

FILE NAME: E:\pav\contingency\pavbentley\contingency\projects\documents\projects\kane\013296-02\Draw-C33\Roadway\CADD\Sheets\SectionC-shht.pmk-02.cmt.dgn  
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**LOCAL COORDINATE SYSTEM**

	USER NAME = Mike Moes	DESIGNED - JMS/MPM	REVISED -
	PLOT SCALE = 100.0000' / in.	DRAWN - MPM	REVISED -
	PLOT DATE = 9/6/2018	CHECKED - KDF	REVISED -
		DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 25**


SCALE: 1"=50'    SHEET 2 OF 2 SHEETS    STA. 609+50 TO STA. XXX+XX

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	101
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				

FILE NAME E:\pva\contingency\pkbentley\contingent\projects\documents\projects\kened\13296-02\Draw-C3\Roadway\GADD\_Sheets\SectionC-shr-signing\schedule.cnt.dgn

SIGN NUMBER	ALIGNMENT	MUTCD CODE	PANEL DESCRIPTION	SIGN SUPPORT	ACTION	EXISTING SIZE	REMOVE SIGN PANEL ASSEMBLY (EA)		RELOCATE SIGN PANEL ASSEMBLY (EA)		PROPOSED STATION	PROPOSED OFFSET	PROPOSED SIZE (IN)	SIGN PANEL (SQ FT)			NOTES		
							TYPE A	TYPE B	TYPE A	TYPE B				TYPE 1	TYPE 2	WOOD POST		METAL POST	
																		TYPE A	TYPE B
S1-A	IL-25	W2-7 W16-8aP	OFFSET SIDE ROAD BOLZ RD / CHEROKEE RD OFFSET INT.	POST MOUNTED (GROUND)	TO BE RELOCATED	30 x 30 42 x 15			1		604+44	42.2 RT				15.0			RELOCATE EXISTING FLASHING BEACON
S1-B	IL-25/CHEROKEE	D3-1	CHEROKEE RD CHEROKEE RD J.F. KENNEDY DR J.F. KENNEDY DR	POST MOUNTED (GROUND)	TO BE RELOCATED	36 x 9 36 x 9 36 x 9 36 x 9			1		FIELD LOCATE	FIELD LOCATE						12.5	
S1-C	IL-25/CHEROKEE	SPECIAL R2-1	NO PARKING SNOW EMERGENCY SPEED LIMIT 25	POST MOUNTED (GROUND)	TO BE RELOCATED	24 x 20 18 x 24			1		FIELD LOCATE	FIELD LOCATE						15	
S1-D	IL-25/CHEROKEE	R1-1	STOP	POST MOUNTED (GROUND)	TO BE RELOCATED	30 x 30			1		608+66	53.14 RT						13.5	
S1-E	IL-25	SPECIAL SPECIAL	ADOPT-A-HIGHWAY IN LOVING MEMORY	POST MOUNTED (GROUND)	TO BE RELOCATED	24 x 30 24 x 12			1		609+27	36.0 LT					14.5 (x2)		
S1-F	IL-25	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	TO BE REMOVED	30 x 36	1												
S1-G	IL-25/BOLZ RD	D3-1	BOLZ RD BOLZ RD J.F. KENNEDY DR J.F. KENNEDY DR	POST MOUNTED (GROUND)	MAINTAIN EXISTING	36 x 9 36 x 9 36 x 9 36 x 9													
S1-H	IL-25/BOLZ RD	R2-1	STOP	POST MOUNTED (GROUND)	TO BE RELOCATED	30 x 30			1		611+23	53.5 LT						13.5	
S1-I	ALAMEDA	R1-1	STOP	POST MOUNTED (GROUND)	MAINTAIN EXISTING														
S1-J	BOLZ RD	SPECIAL R2-1 SPECIAL	NO PARKING/SNOW EMERGENCY SPEED LIMIT 35 NEIGHBORHOOD WATCH	POST MOUNTED (GROUND)	TO BE RELOCATED	24 x 20 18 x 24 12 x 18			1		FIELD LOCATE	FIELD LOCATE						16	
S1-K	IL-25	SPECIAL SPECIAL	ADOPT-A-HIGHWAY IN LOVING MEMORY	POST MOUNTED (GROUND)	TO BE RELOCATED	24 x 30 24 x 12			1		614+55	36.0 RT					14.5 (x2)		
S1-L	IL-25	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	TO BE REMOVED	30 x 36	1												
S1-M	IL-25	W2-7 W16-8aP	OFFSET SIDE ROAD BOLZ RD / CHEROKEE RD OFFSET INT.	POST MOUNTED (GROUND)	TO BE RELOCATED	30 x 30 42 x 15			1		617+98	38.0 LT						15.5 (x2)	
S1-1	IL-25	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	PROPOSED SIGN						610+40	36.25 LT	30 x 36	7.50				13.5 (x2)	
S1-2	IL-25	R4-7	KEEP RIGHT	POST MOUNTED (PAVEMENT)	PROPOSED SIGN						613+62	5.50 RT	24 x 30	5.00				13.5	
S1-3	IL-25	R2-1	SPEED LIMIT 45	POST MOUNTED (GROUND)	PROPOSED SIGN						615+50	36.25 RT	30 x 36	7.50				13.5 (x2)	
S1-4	IL-25	R9-9	SIDEWALK CLOSED	POST MOUNTED (GROUND)	PROPOSED SIGN						623+00	55.0 LT	24 x 12	2.00				11.5	
S1-5	LONGMEADOW	OM4-1	OBJECT MARKER (END OF ROADWAY)	POST MOUNTED (GROUND)	PROPOSED SIGN						2269+65	26.0 RT	18 x 18	2.25				11.0	
S1-6	LONGMEADOW	OM4-1	OBJECT MARKER (END OF ROADWAY)	POST MOUNTED (GROUND)	PROPOSED SIGN						2269+65	2.0 RT	18 x 18	2.25				11.0	
S1-7	LONGMEADOW	OM4-1	OBJECT MARKER (END OF ROADWAY)	POST MOUNTED (GROUND)	PROPOSED SIGN						2269+65	12.5 LT	18 x 18	2.25				11.0	
S1-8	LONGMEADOW	OM4-1	OBJECT MARKER (END OF ROADWAY)	POST MOUNTED (GROUND)	PROPOSED SIGN						2269+65	28.0 LT	18 x 18	2.25				11.0	
S1-9	IL-25	R11-2	ROAD CLOSED	TYPE 3 BARRICADE MOUNTED	PROPOSED SIGN						613+75	43.0 LT	48 x 30		10.0				TYPE III MOUNTED
S1-10	IL-25	R11-2	ROAD CLOSED	TYPE 3 BARRICADE MOUNTED	PROPOSED SIGN						612+68	33.0 RT	48 x 30		10.0				TYPE III MOUNTED
S1-11	IL-25	R11-2	ROAD CLOSED	TYPE 3 BARRICADE MOUNTED	PROPOSED SIGN						613+00	33.0 RT	48 x 30		10.0				TYPE III MOUNTED
S1-12	IL-25	R11-2	ROAD CLOSED	TYPE 3 BARRICADE MOUNTED	PROPOSED SIGN						612+63	33.0 LT	48 x 30		10.0				TYPE III MOUNTED
S1-13	IL-25	R11-2	ROAD CLOSED	TYPE 3 BARRICADE MOUNTED	PROPOSED SIGN						612+95	33.0 LT	48 x 30		10.0				TYPE III MOUNTED

**LOCAL COORDINATE SYSTEM**

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	PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
SIGN SCHEDULE**

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

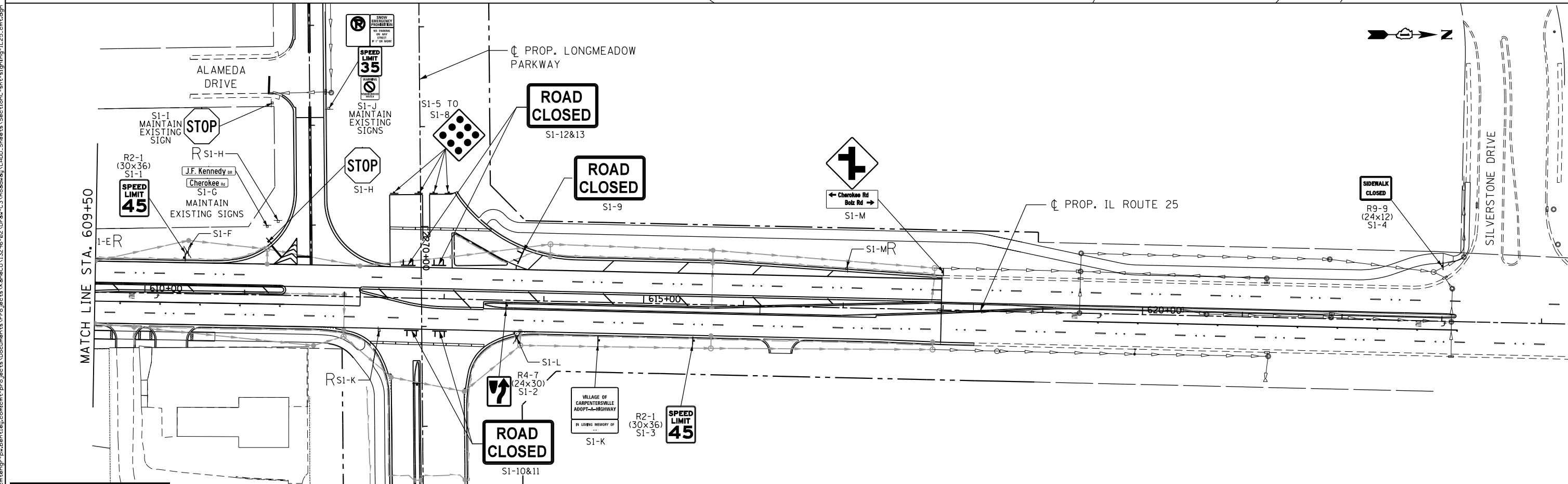
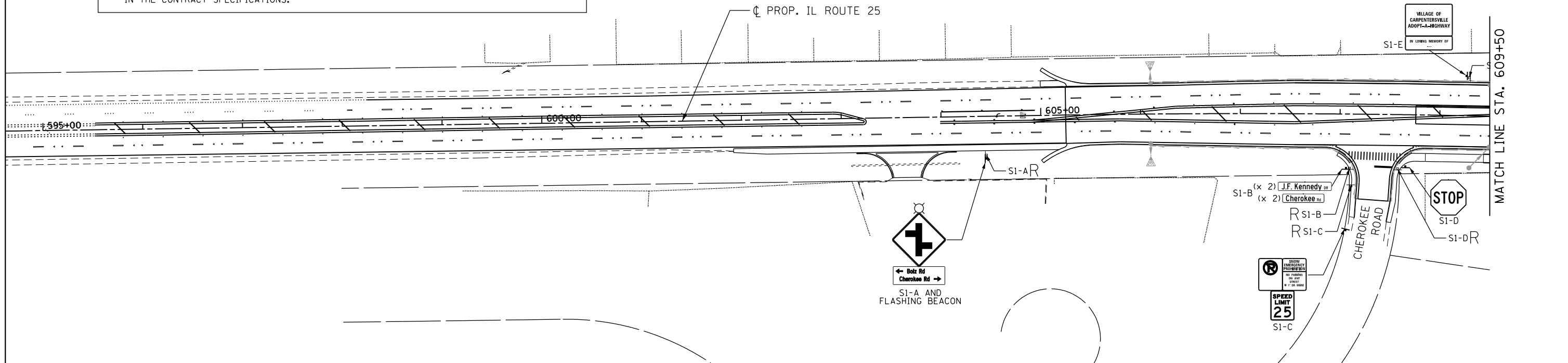
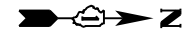
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	102
CONTRACT NO. 61F04			ILLINOIS FED. AID PROJECT	

**SIGNING PLAN GENERAL NOTES**

1. REFER TO THE SIGN SCHEDULE ON SHEET 102 FOR DETAILS ON ALL PROPOSED SIGN REMOVALS, RELOCATIONS, AND INSTALLATIONS.
2. ALL SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. SIGN FACES SHALL BE OF TYPE A REFLECTIVE SHEETING.
3. SIGN LOCATIONS SHOWN ON THE PLANS AND SCHEDULES ARE APPROXIMATE AND ARE TO BE CONSIDERED AS A GUIDE. FINAL LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
4. ALL EXISTING SIGNS TO BE REMOVED SHALL BE DELIVERED TO THE LOCATIONS AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.

**LEGEND**

- X SIGN REMOVAL
- R SIGN RELOCATION
- † PROPOSED SIGN LOCATION (SEE SIGN SCHEDULE)
- ⊡ EXISTING SIGN



LOCAL COORDINATE SYSTEM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION






SIGNING PLAN  
ILLINOIS ROUTE 25

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 595+00 TO STA. 623+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	103
				CONTRACT NO. 61F04
ILLINOIS FED. AID PROJECT				

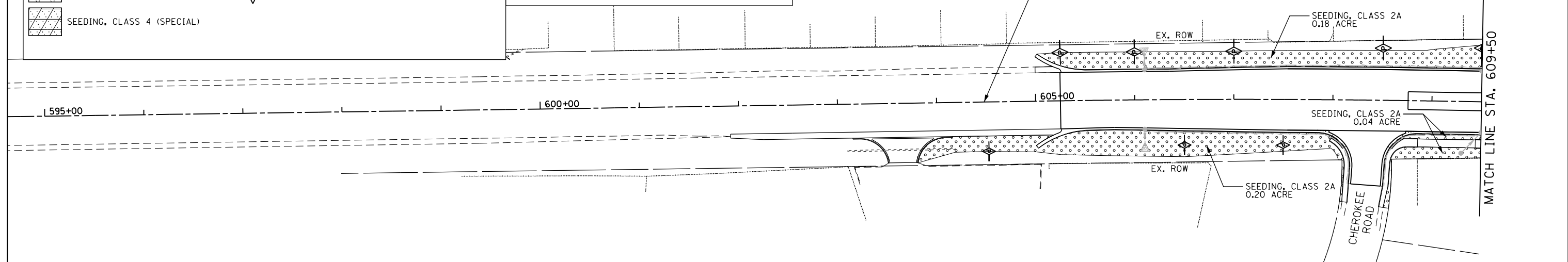
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**LEGEND**






-  SEEDING, CLASS 2A & FERTILIZER NUTRIENTS
-  RIPRAP
-  SEEDING, CLASS 3 (SPECIAL)
-  SEEDING, CLASS 4 (SPECIAL)
-  PERMEABLE PLASTIC BERM

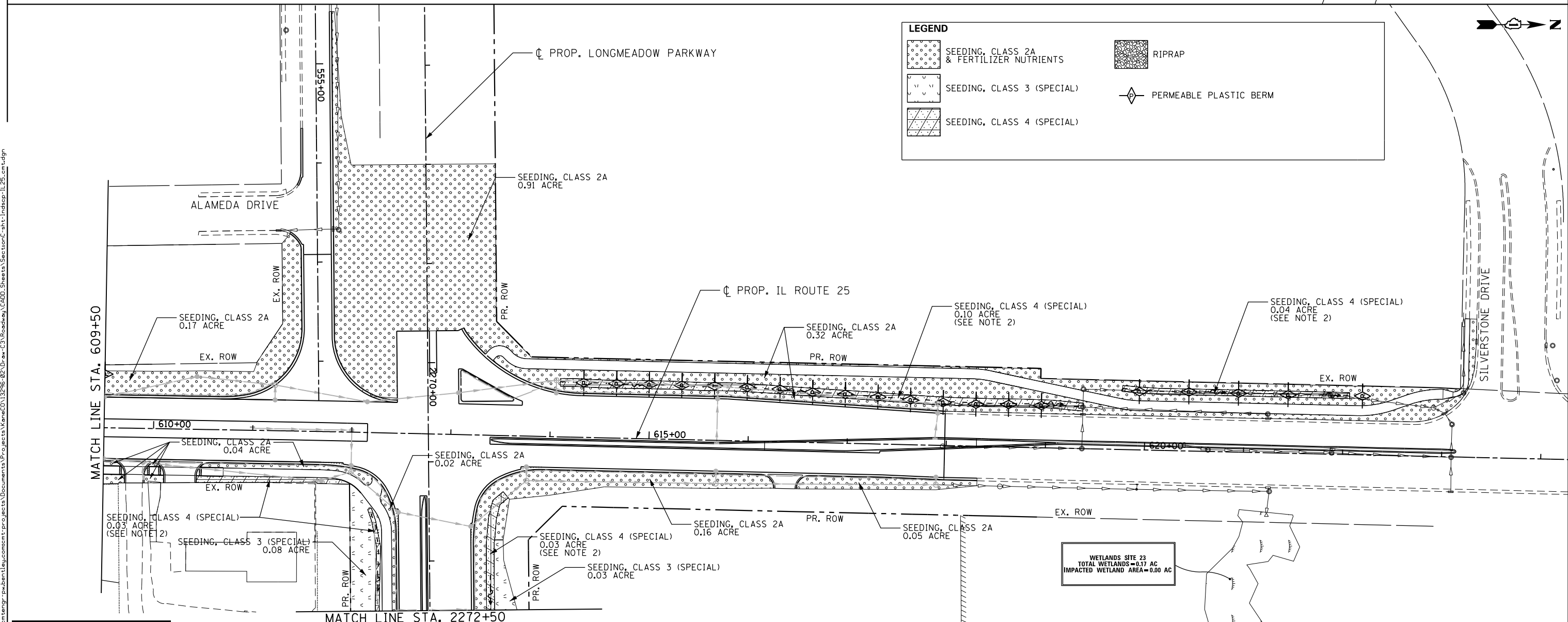
**NOTES**

1. SEE EROSION AND SEDIMENT CONTROL PLAN FOR STABILIZATION MEASURES.
2. SEEDING, CLASS 4 (SPECIAL) IS TO BE PLACED ALONG DITCH BOTTOMS AND 2 FEET UP THE SLOPE FROM THE EDGE OF THE DITCH AT THE LOCATIONS SHOWN ON THE PLANS.



**LEGEND**

-  SEEDING, CLASS 2A & FERTILIZER NUTRIENTS
-  RIPRAP
-  SEEDING, CLASS 3 (SPECIAL)
-  SEEDING, CLASS 4 (SPECIAL)
-  PERMEABLE PLASTIC BERM



WETLANDS SITE 23  
TOTAL WETLANDS = 0.17 AC  
IMPACTED WETLAND AREA = 0.00 AC

**LOCAL COORDINATE SYSTEM**



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JMS	REVISED -
PLOT DATE = 9/6/2018	CHECKED - KDF	REVISED -
	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

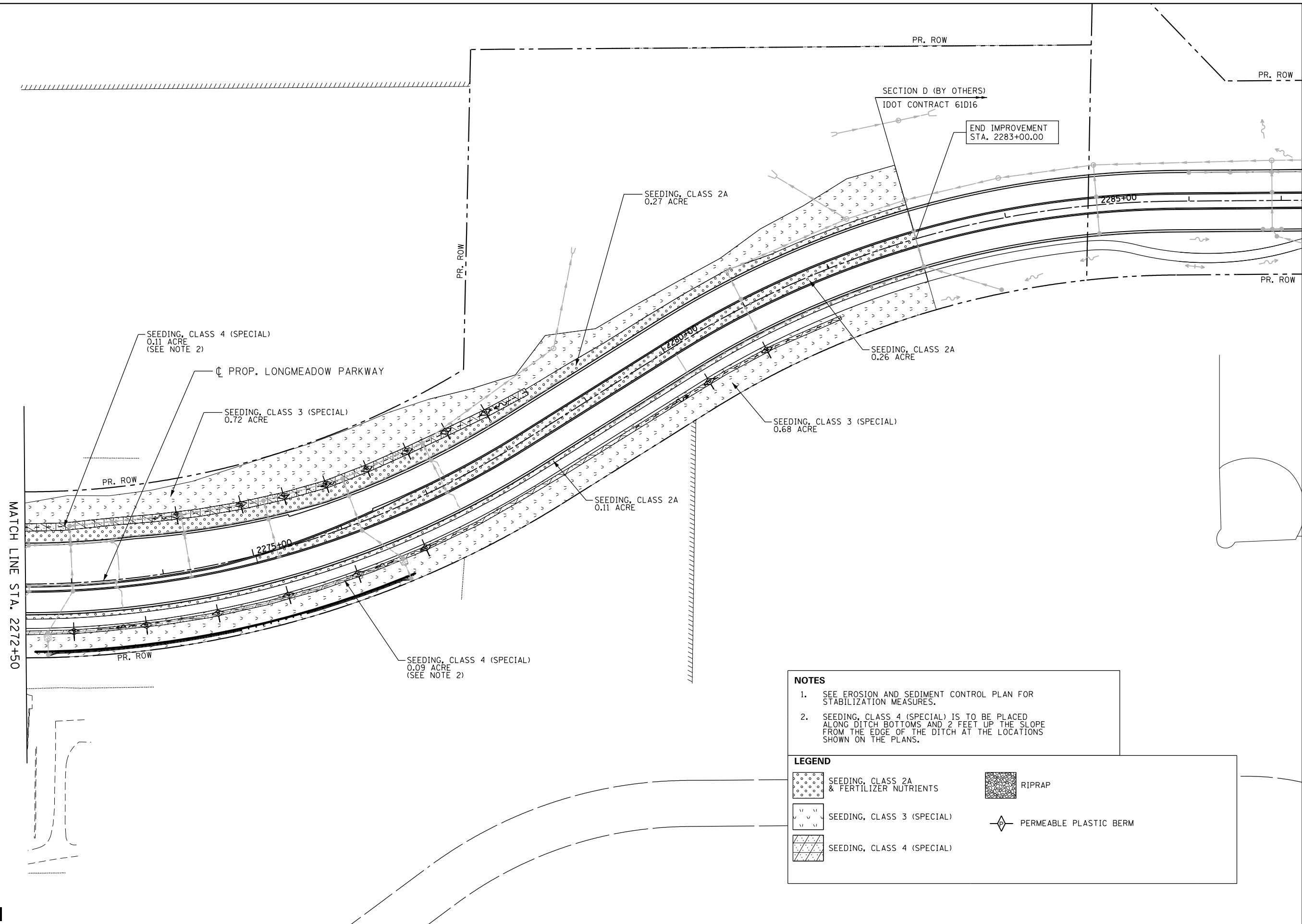
**LANDSCAPING PLAN  
ILLINOIS ROUTE 25**

SCALE: 1"=50'    SHEET 1    OF 3    SHEETS    STA. 604+25    TO STA. 623+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	104
				CONTRACT NO. 61F04
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA. 2272+50

- NOTES**
- SEE EROSION AND SEDIMENT CONTROL PLAN FOR STABILIZATION MEASURES.
  - SEEDING, CLASS 4 (SPECIAL) IS TO BE PLACED ALONG DITCH BOTTOMS AND 2 FEET UP THE SLOPE FROM THE EDGE OF THE DITCH AT THE LOCATIONS SHOWN ON THE PLANS.

**LEGEND**

	SEEDING, CLASS 2A & FERTILIZER NUTRIENTS		RIPRAP
	SEEDING, CLASS 3 (SPECIAL)		PERMEABLE PLASTIC BERM
	SEEDING, CLASS 4 (SPECIAL)		

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LOCAL COORDINATE SYSTEM



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
DRAWN - JPZ	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - KDF	REVISOR -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

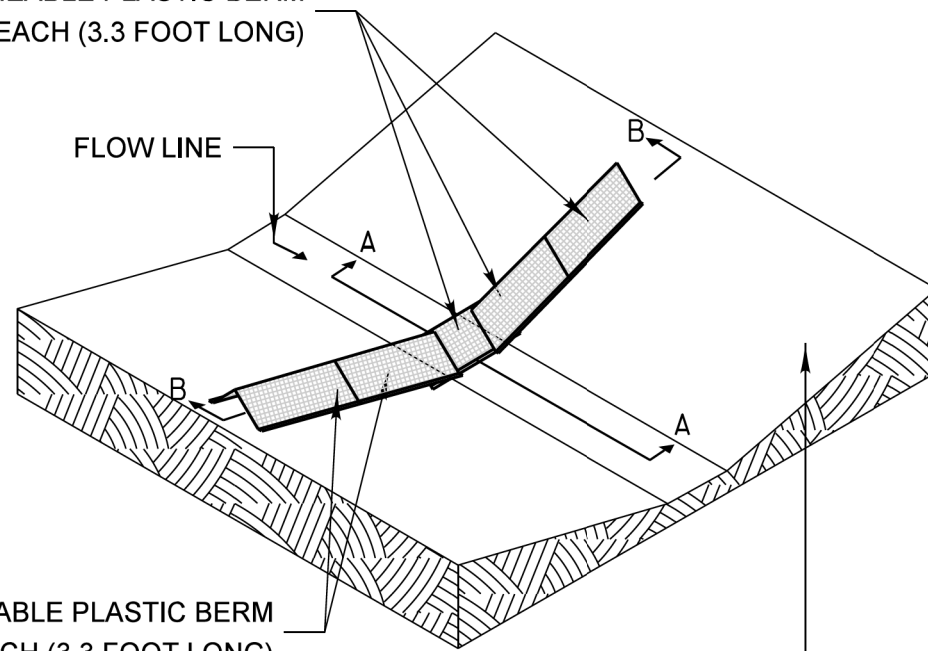
LANDSCAPING PLAN  
LONGMEADOW PARKWAY

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 2272+50 TO STA. 2283+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	105
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F04	

# FOR USE WHILE ESTABLISHING FINAL LANDSCAPING

PERMEABLE PLASTIC BERM  
ONE EACH (3.3 FOOT LONG)



PERMEABLE PLASTIC BERM  
ONE EACH (3.3 FOOT LONG)

DITCHLINE WITH EROSION  
CONTROL BLANKET &  
SEEDING APPLIED

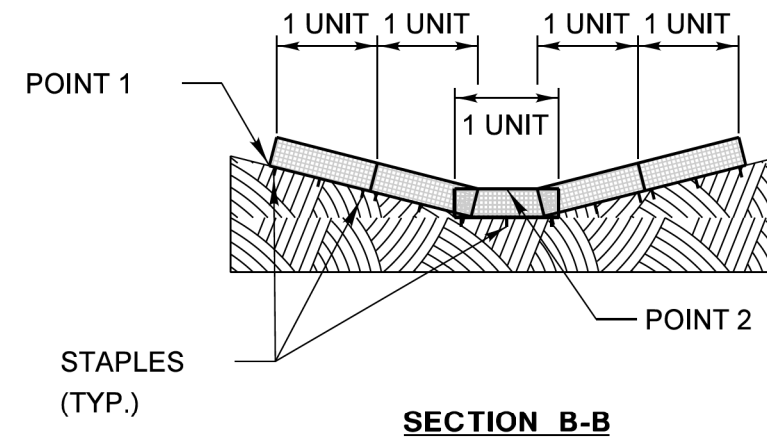
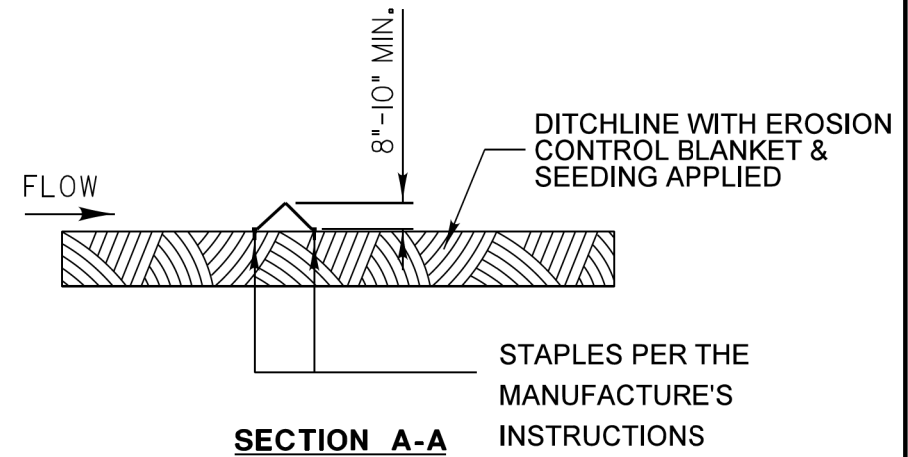
## PERMEABLE PLASTIC BERM ISOMETRIC

NOTES:  
THE PERMEABLE PLASTIC BERM SHALL REPLACE THE TEMPORARY DITCH CHECK AFTER THE INSTALLATION OF EROSION CONTROL BLANKET AND SEEDING.

EACH PERMEABLE PLASTIC BERM IS 3.3 FEET IN LENGTH. THE MINIMUM INSTALLATION IN A DITCH SHALL BE THREE UNITS. THE INSTALLATION SHOWN WILL BE MEASURED AND PAID FOR AS A PERMEABLE PLASTIC BERM 16.5 FEET IN LENGTH (5 UNITS).

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS THROUGH OR OVER THE BERM AND NOT AROUND THE ENDS.



LOCAL COORDINATE SYSTEM



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - KDF	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

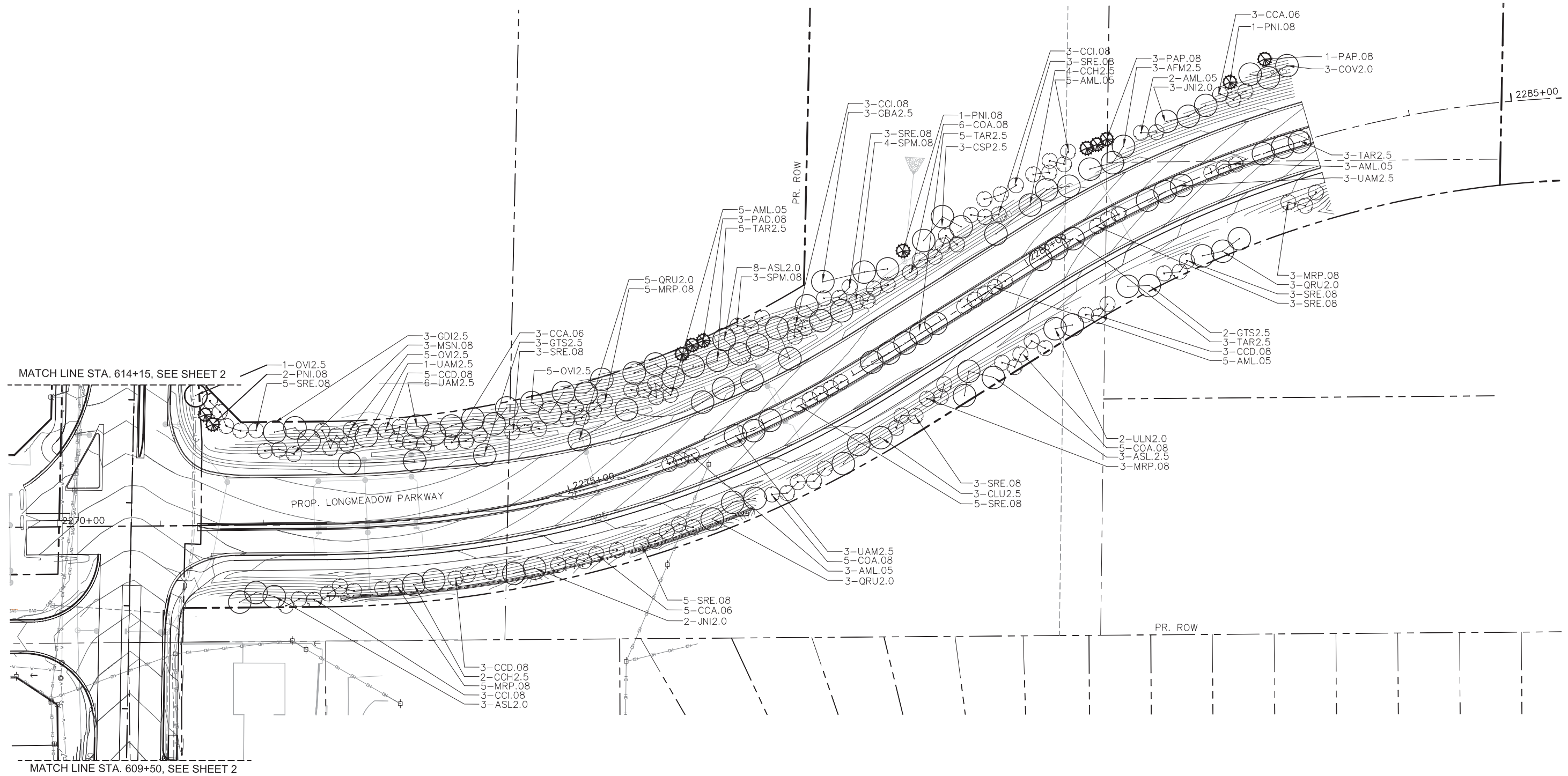
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN  
DETAILS

SCALE: NA SHEET 3 OF 3 SHEETS STA. - TO STA. -

F.A.U. RTE. 2298	SECTION 18-00215-22-CH	COUNTY KANE	TOTAL SHEETS 195	SHEET NO. 106
CONTRACT NO. 61F04			ILLINOIS FED. AID PROJECT	

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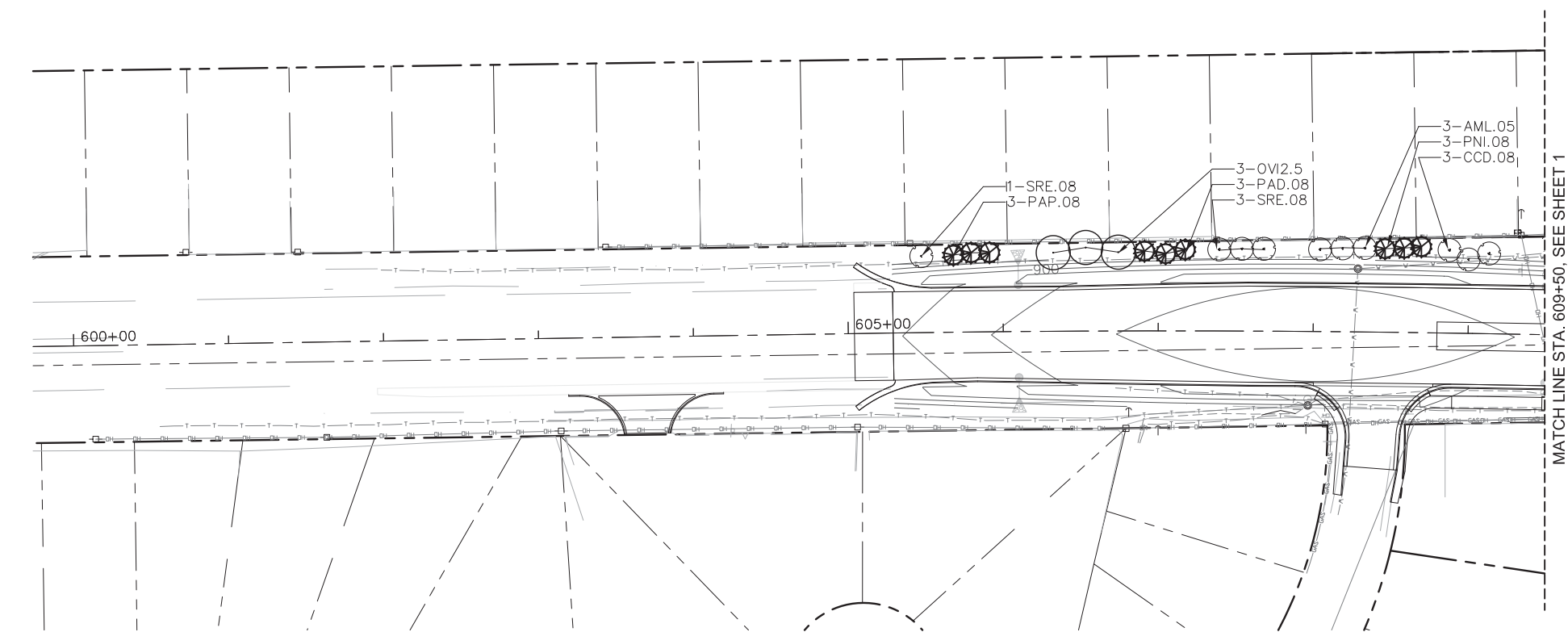
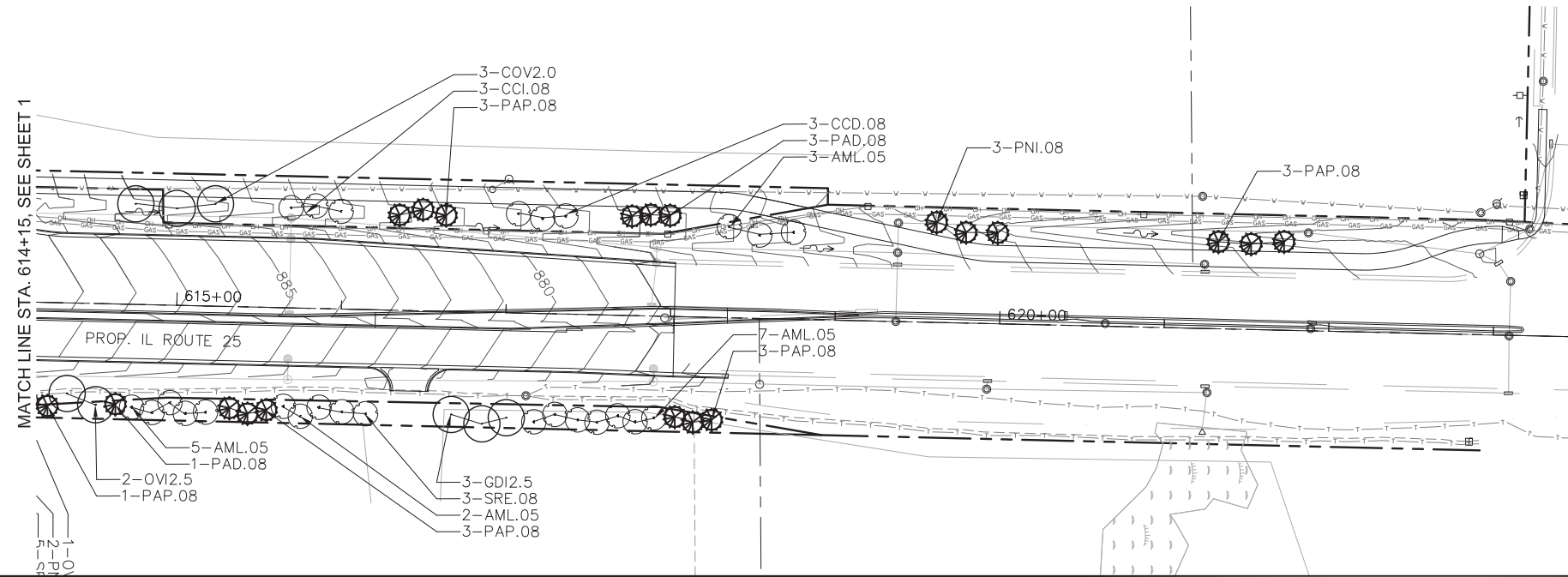


USER NAME =	DESIGNED — XS/MPW	REVISED -
	DRAWN — XS/MPW	REVISED -
PLOT SCALE= 1:1	CHECKED — TCK	REVISED -
PLOT DATE = 8/10/18	DATE — 8/10/18	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>C-3 PLANTING PLAN</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	107
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				



FILE NAME = \$FILE\$.S



USER NAME =	DESIGNED — XS/MPW	REVISED -
	DRAWN — XS/MPW	REVISED -
PLOT SCALE= 1:1	CHECKED — TCK	REVISED -
PLOT DATE = 8/10/18	DATE — 8/10/18	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C-3  
PLANTING PLAN**

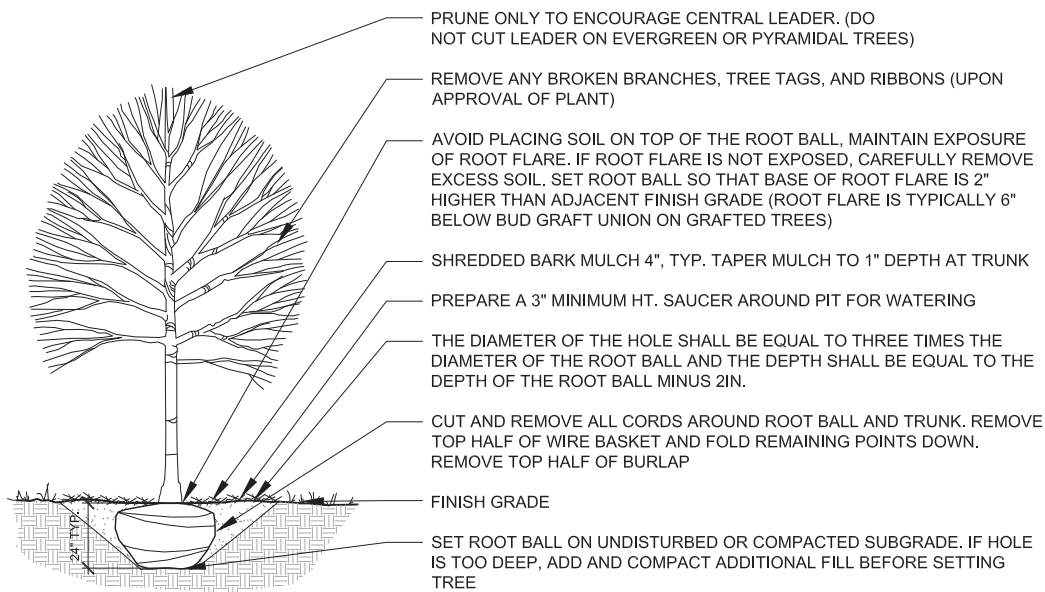
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	108
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				

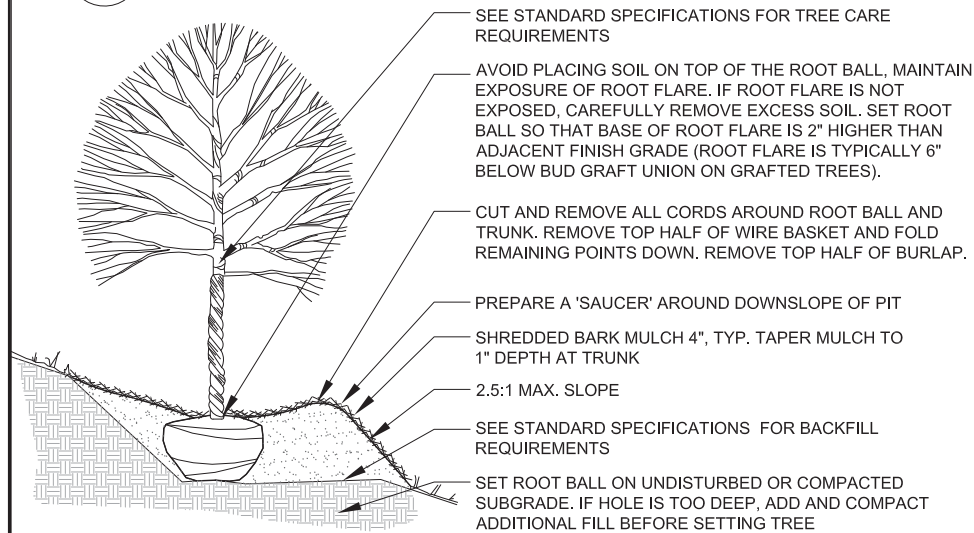


# PLANTING NOTES

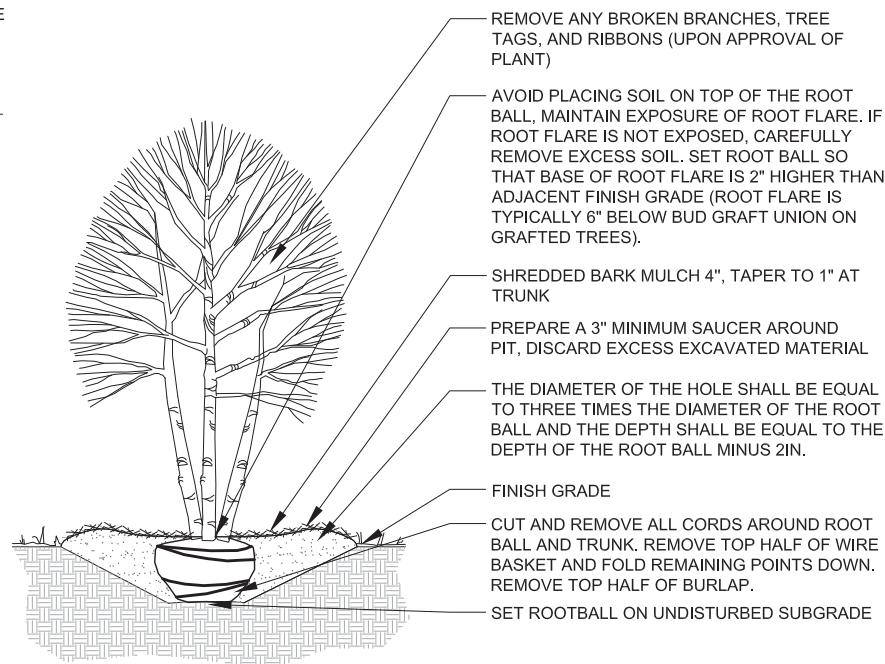
1. THE CONTRACTOR SHALL COORDINATE THE PLANTING, LANDSCAPING AND RESTORATION WORK WITH WORK BY THE GRADING CONTRACTOR AND THE UTILITY CONTRACTORS. THE RESTORATION AND PLANTING WORK SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER, NOT WITHSTANDING THE PLANTING RESTRICTIONS AS DESCRIBED IN THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
2. ALL PLANT MATERIAL NOT PLANTED ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL WILL RESULT IN THE REJECTION OF THE PLANT MATERIAL AND THE REPLACEMENT SHALL BE AT NO ADDITIONAL COST TO THE CONTRACTOR.
3. ALL WORK SHALL BE IN ACCORDANCE WITH SECTIONS 253 AND 254 OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE DETAILS SHOWN ON THE PLANS. THE CONTRACTOR SHALL FURNISH THE INITIAL WATERING AND ALL ADDITIONAL WATERING DURING THE PERIOD OF ESTABLISHMENT.
4. THE INTENT OF THE PLANTING PLAN IS TO LOOK NATURAL AND PLEASANT. THE CONTRACTOR SHALL GROUP THE TREES AND SCRUBS TO LOOK NATURAL IN A SOMEWHAT RANDOM ORDER.
5. THE CONTRACTOR SHALL BE CAREFUL WHEN PLANTING TREES AND SCRUBS NEAR AN INTERSECTION TO AVOID THE NECESSARY SIGHT TRIANGLE OF APPROACHING TRAFFIC. IF IN DOUBT, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER REGARDING CLEAR DISTANCE OF THE SIGHT TRIANGLE.
6. PLACE TREES NO CLOSER THAN 5' TO THE BACK OF CURB, TREE LOCATIONS TO BE REVIEWED BY ENGINEER PRIOR TO PLANTING.
7. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTH OF ANY UNDERGROUND UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION.
8. THE CONTRACTOR SHALL FOLLOW THE PLANTING PLANS AND MAY ADJUST LOCATIONS TO FIT FIELD CONDITIONS BUT SHALL NOT INSTALL TREES DIRECTLY ABOVE ANY MAJOR DRAINAGE CULVERTS.
9. THE CONTRACTOR SHALL SCHEDULE PLANT MATERIAL TO KEEP UP WITH THE PLANTING OPERATION. IF PLANTINGS ARE NOT PLANTED IMMEDIATELY AFTER DELIVERY TO THE JOB SITE, THE CONTRACTOR SHALL HARBOR THE PLANTINGS AS DESCRIBED IN ARTICLE 253.06 OF THE STANDARD SPECIFICATIONS FOR TEMPORARY STORAGE.



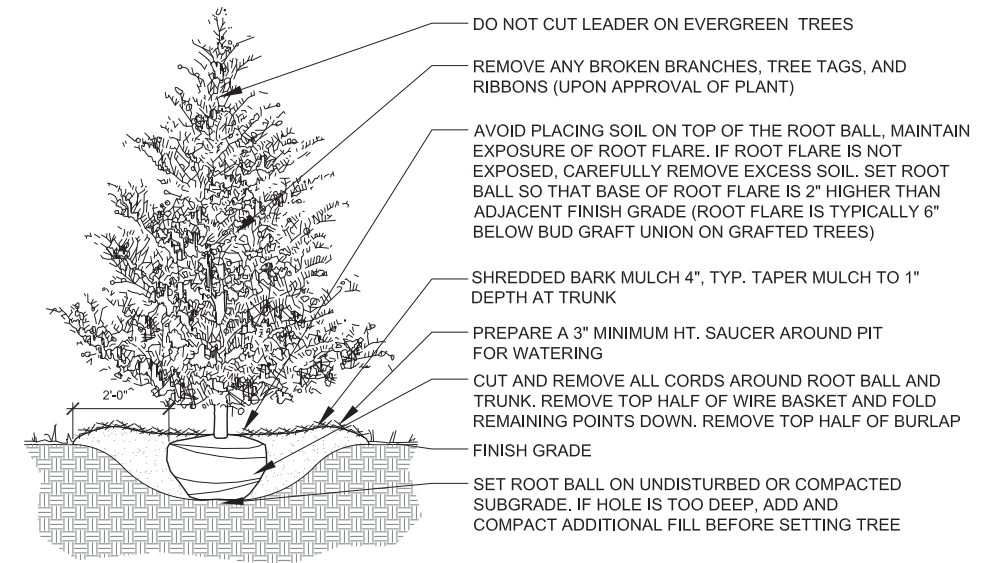
**1 SHADE TREE PLANTING**  
1/2"=1'-0"



**2 TREE PLANTING DETAIL - SLOPE**  
1/2"=1'-0"



**3 ORNAMENTAL TREE PLANTING**  
1/2"=1'-0"



**4 EVERGREEN TREE PLANTING**  
1/2"=1'-0"

# PLANTING SCHEDULE

ITEM NUMBER	CODE	ITEM NAME	SIZE	UNIT	QTY
<b>SHADE TREE</b>					
A2001916	ASL2.0	TREE, ACER SACCHARUM LEGACY (LEGACY SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	2" C	EACH	14
A2000220	AFM2.5	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	3
A2002616	COV2.0	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY), 2" CALIPER, BALLED AND BURLAPPED	2" C	EACH	6
A2002820	CSP2.5	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	3
A2002920	CCH2.5	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	6
B2010120	CLU2.5	TREE, CLADRASTIS LUTEA (AMERICAN YELLOWWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	3
A2004514	GBA2.5	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2-1/2" CALIPER BALLED AND BURLAPPED	2 1/2" C	EACH	3
A2004720	GTS2.5	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	5
A2005020	GDI2.5	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	6
A2005120	JNI2.0	TREE, JUGLANS NIGRA (BLACK WALNUT), 2" CALIPER, BALLED AND BURLAPPED	2" C	EACH	5
A2005620	OVI2.5	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	16
A2007116	QRU2.0	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	2" C	EACH	11
A2007920	TAR2.5	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	16
A2018726	ULN2.0	TREE, ULMUS CARPINIFOLIA NEW HORIZON (NEW HORIZON SMOOTHLEAF ELM), 2" CALIPER, BALLED AND BURLAPPED	2" C	EACH	2
A2008470	UAM2.5	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	2 1/2" C	EACH	13
<b>INTERMEDIATE TREE</b>					
B2000964	AML.05	TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	5' HT	EACH	43
A2002566	CCA.08	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	6' HT	EACH	11
B2001167	CCD.08	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 8' HEIGHT, BALLED AND BURLAPPED	8' HT	EACH	17
B2001266	COA.08	TREE, CORNUS ALTERNIFOLIA (PAGODA DOG WOOD), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	6' HT	EACH	16
B2001770	CCI.08	TREE, CRATAEGUS CRUGGALLI VAR. INERMIS (THORNLESS COCKSPUR HAWTHORN), 8' HEIGHT, BALLED AND BURLAPPED, MULTI-HEADS	8' HT	EACH	12
B2004586	MRP.08	TREE, MALUS RED PEACOCK (RED PEACOCK CRABAPPLE), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	7' HT	EACH	16
B2005068	MSN.08	TREE, MALUS SNOWDRIFT (SNOWDRIFT CRABAPPLE), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	7' HT	EACH	3
B2006168	SPM.08	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	7' HT	EACH	7
B2006320	SRE.08	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	2 1/2" C	EACH	40
<b>EVERGREEN TREE</b>					
D2001988	PAD.08	EVERGREEN, PICEA GLAUCA DENSATA (BLACK HILLS SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	8' HT	EACH	10
D2002188	PAP.08	EVERGREEN, PICEA PUNGENS (COLORADO SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	8' HT	EACH	20
D2002788	PNI.08	EVERGREEN, PINUS NIGRA (AUSTRIAN PINE), 8' HEIGHT, BALLED AND BURLAPPED	8' HT	EACH	10

FILE NAME = \$FILES



USER NAME =	DESIGNED -- XS/MPW	REVISED -
PLOT SCALE= 1:1	DRAWN -- XS/MPW	REVISED -
PLOT DATE = 8/10/18	CHECKED -- TCK	REVISED -
	DATE -- 8/10/18	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANTING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	109
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

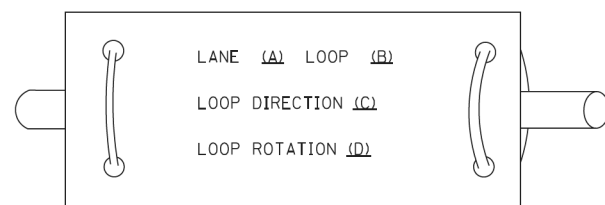
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		 	SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I	 	 			
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP	 	 			
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR	 	 			
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	 	 			
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR	 	 			
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

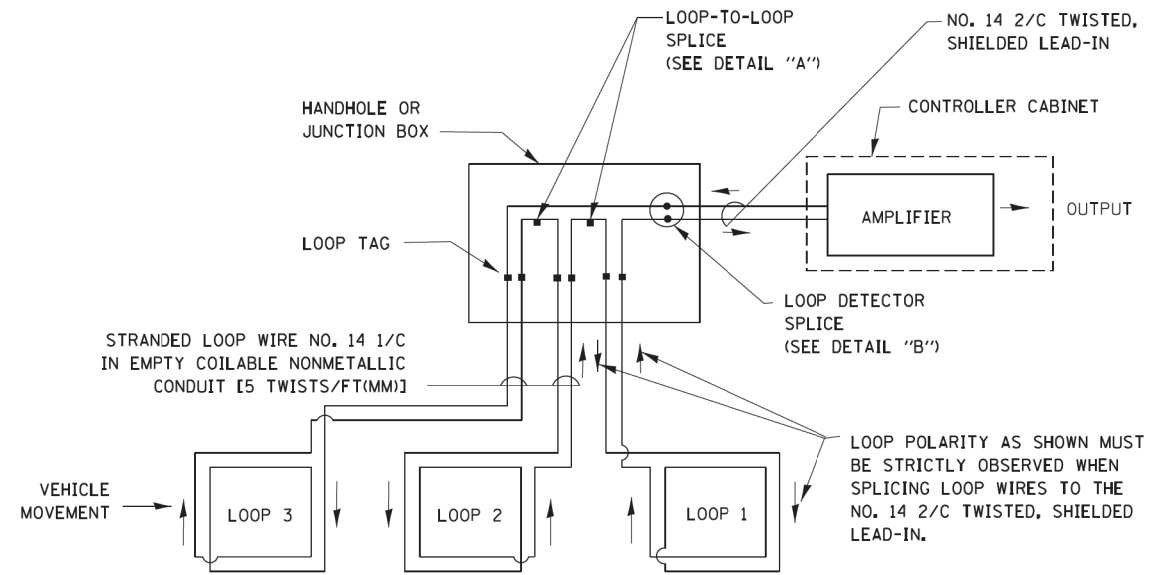
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

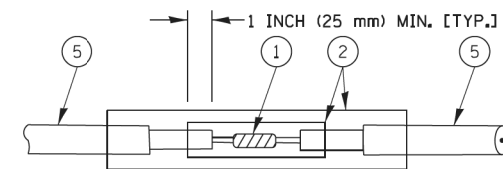


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

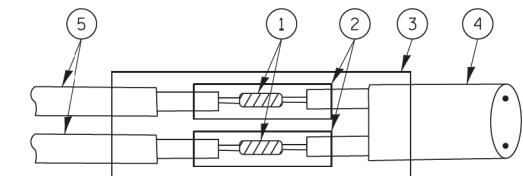


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

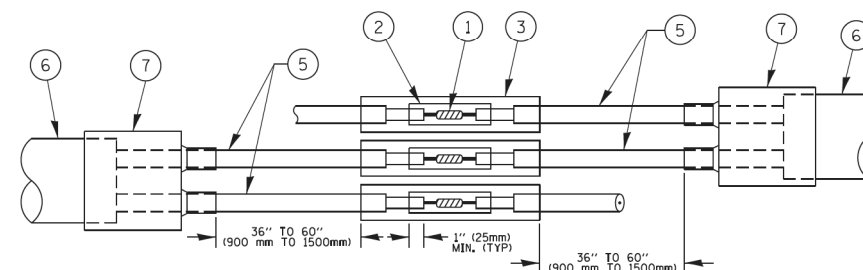


DETAIL "A"  
LOOP-TO-LOOP SPLICE

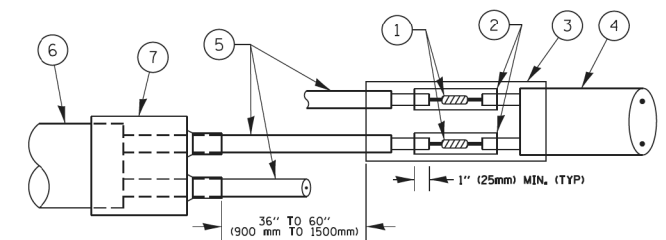


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

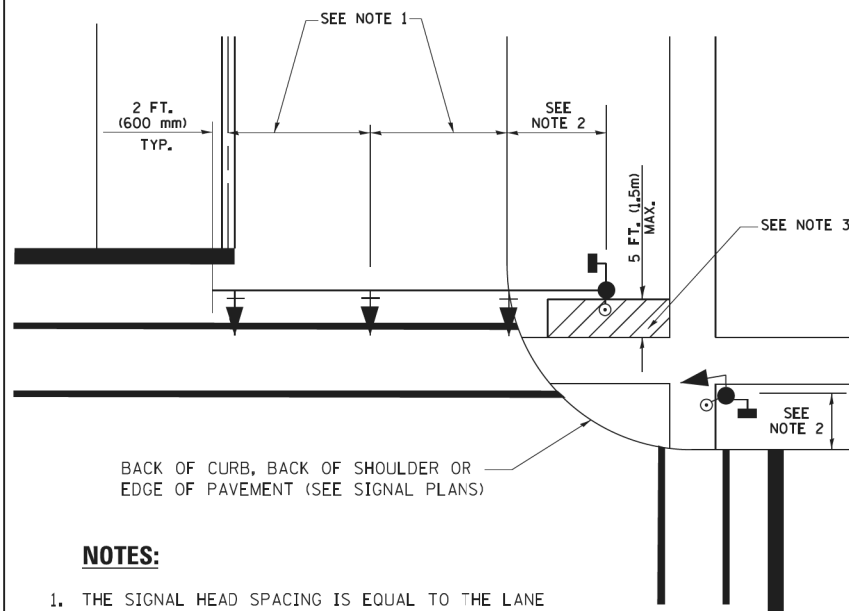
**PRE-FORMED LOOP**

**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>		F.A.U. RTE. 2298	SECTION 18-00215-22-CH	COUNTY KANE	TOTAL SHEETS 195	SHEET NO. 111	
ca:\pwwork\pwwork\footemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000' / in.	DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 61F04	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -									
		DATE - 10-28-09	REVISED -									

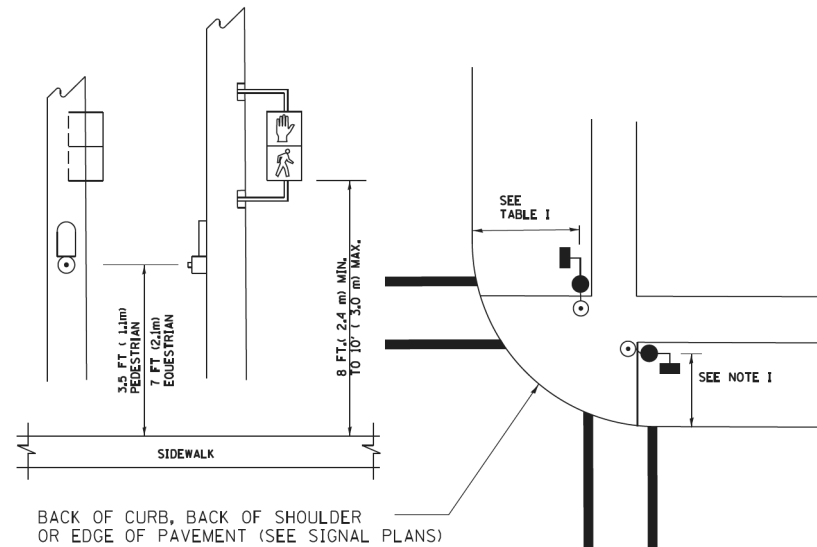
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

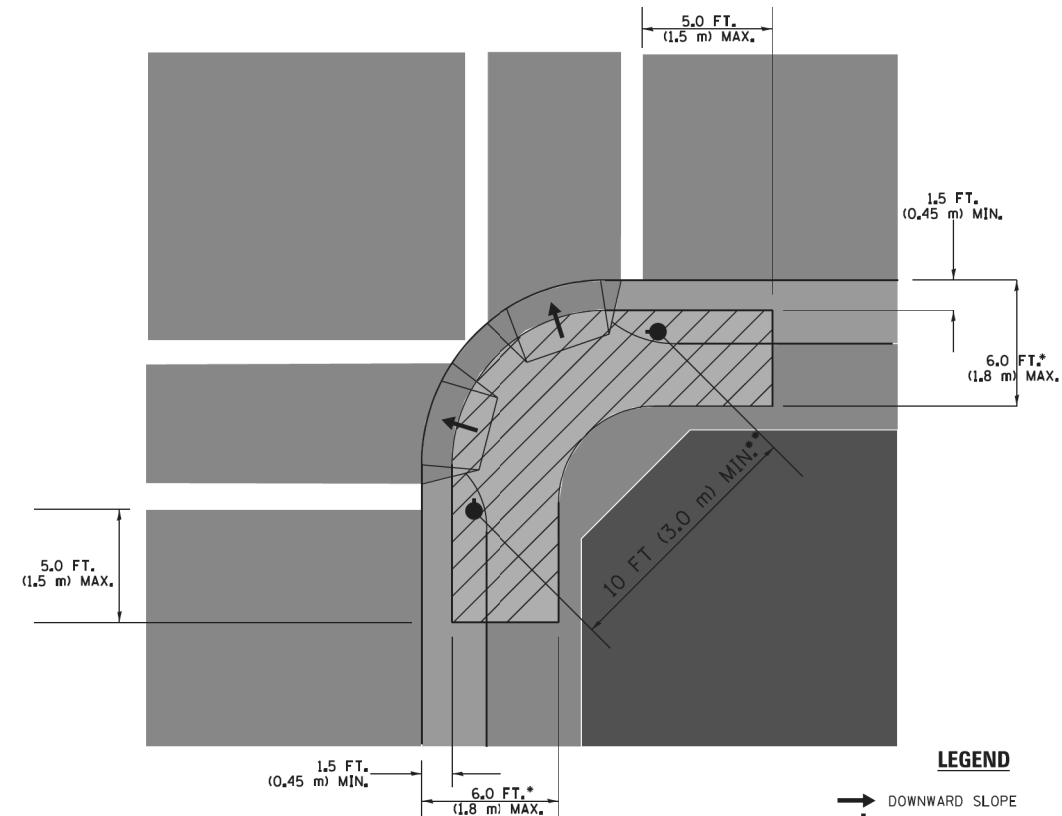
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

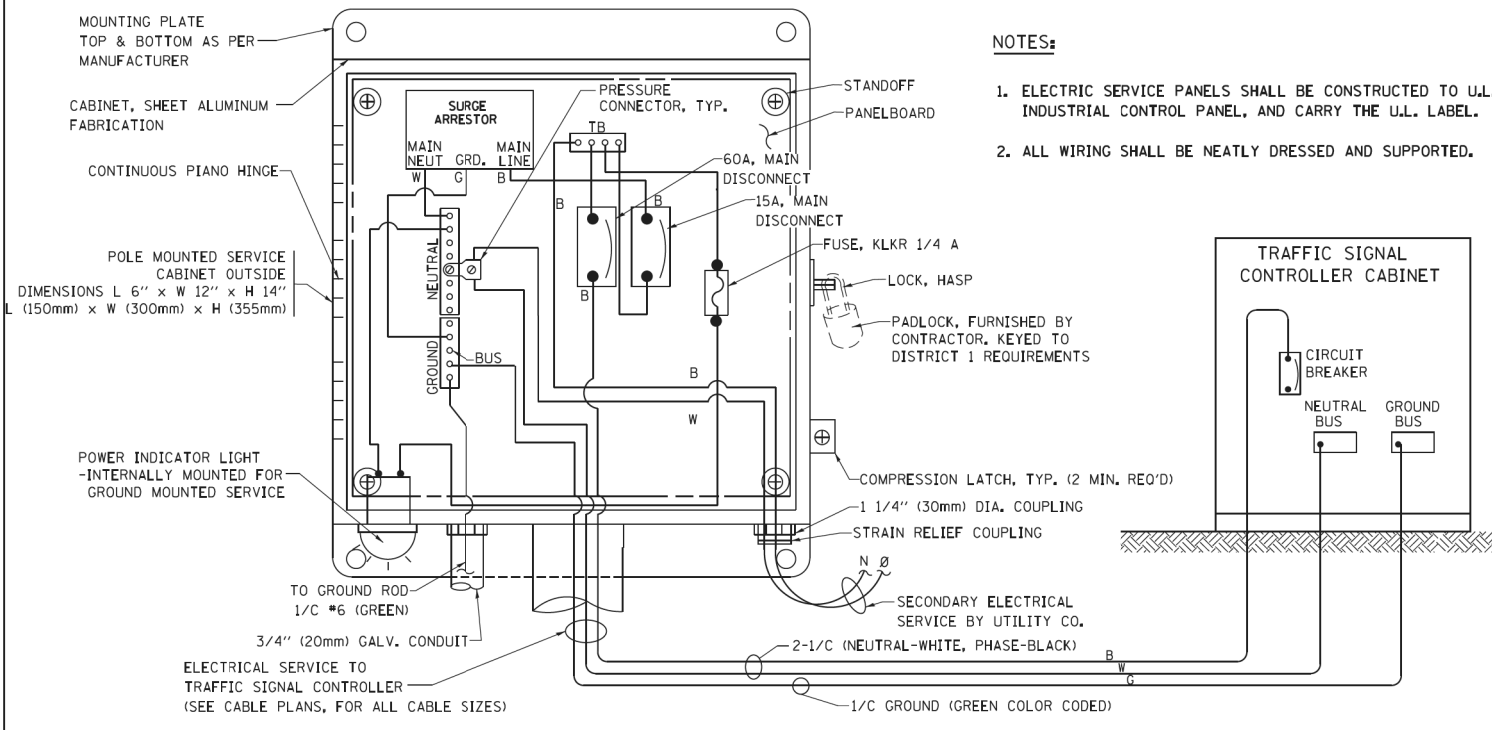
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

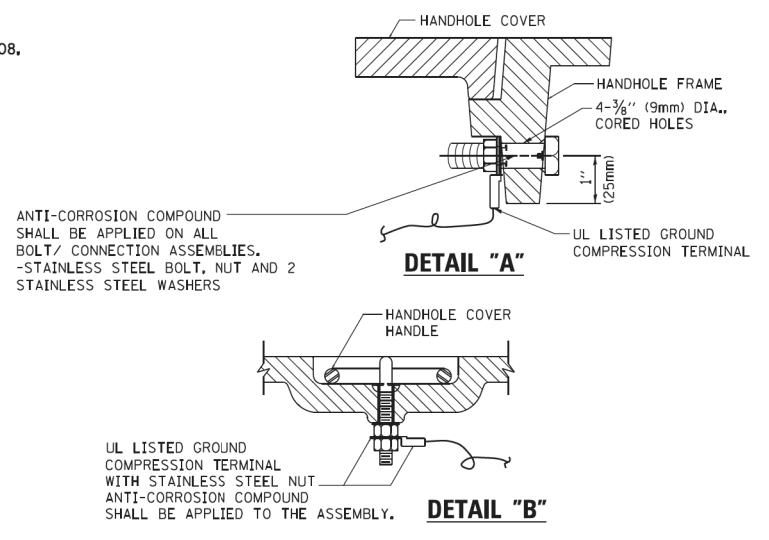
**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.



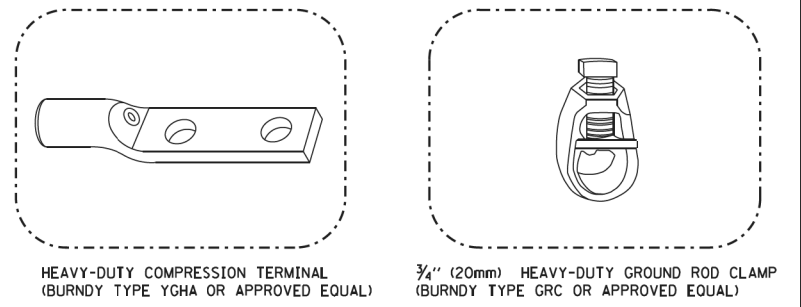
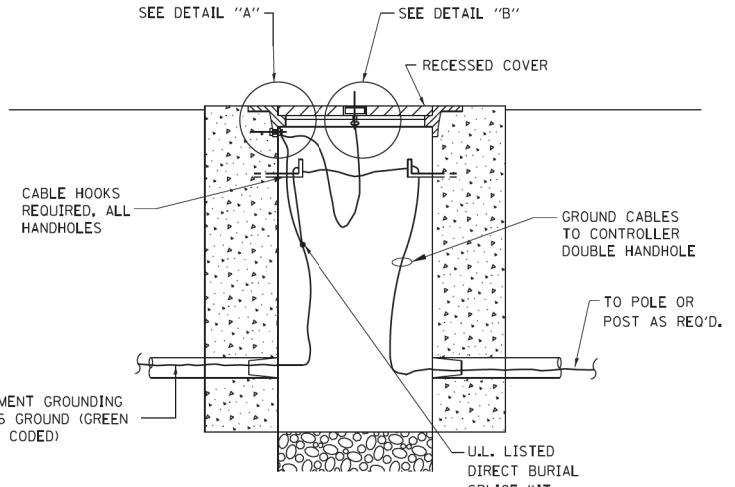


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**



**NOTES:**  
**GROUNDING SYSTEM**

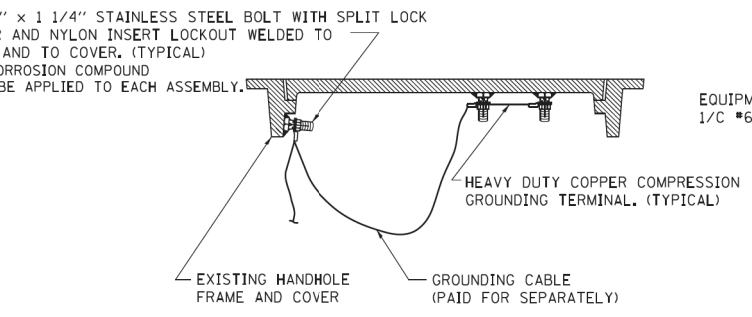
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



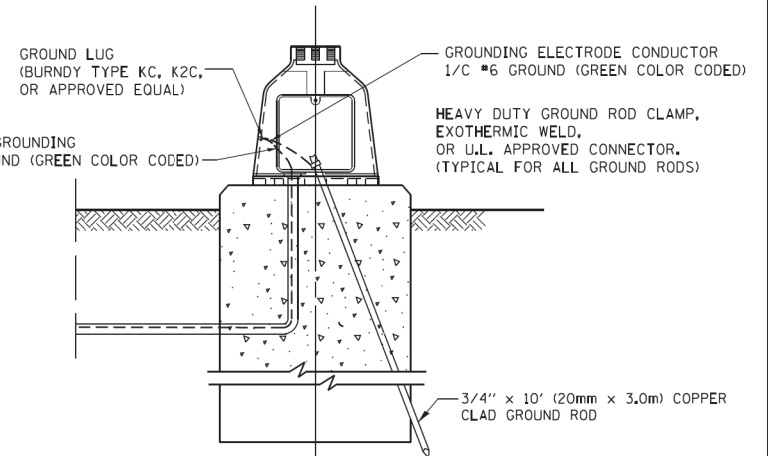
**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

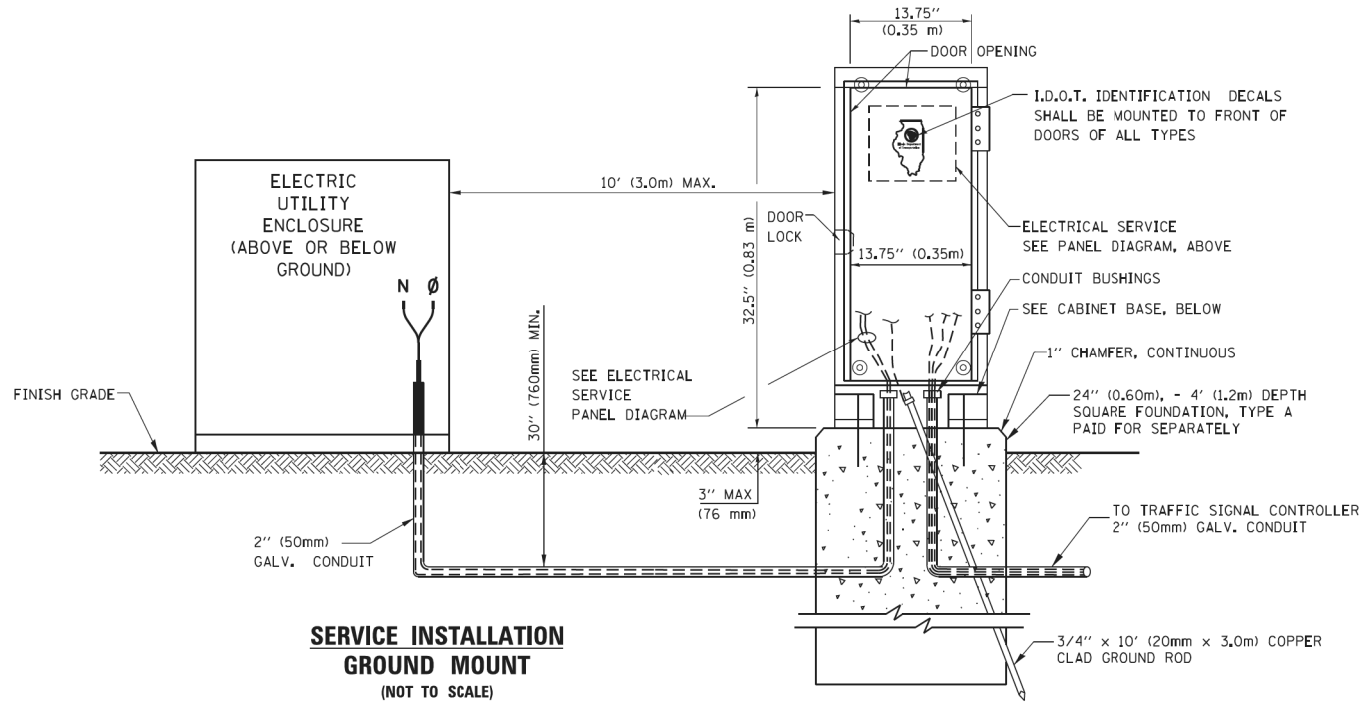
**HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**



**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**

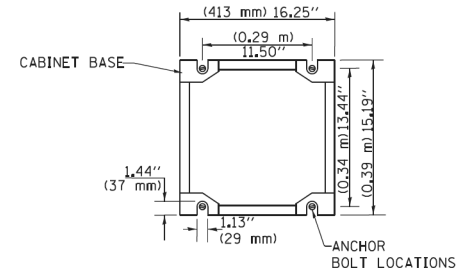


**MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)**

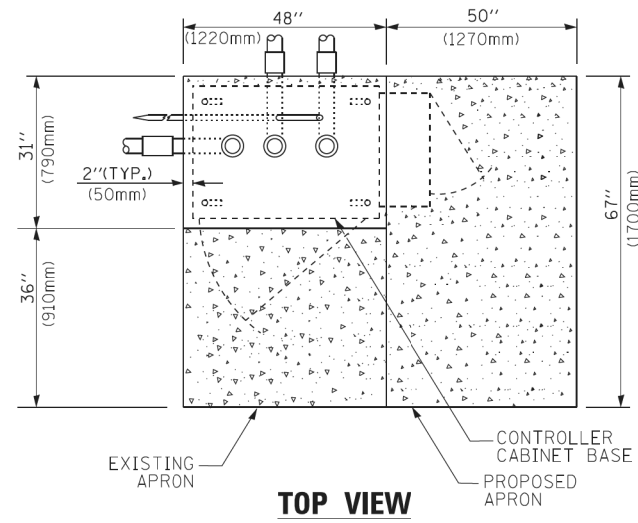


**SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)**

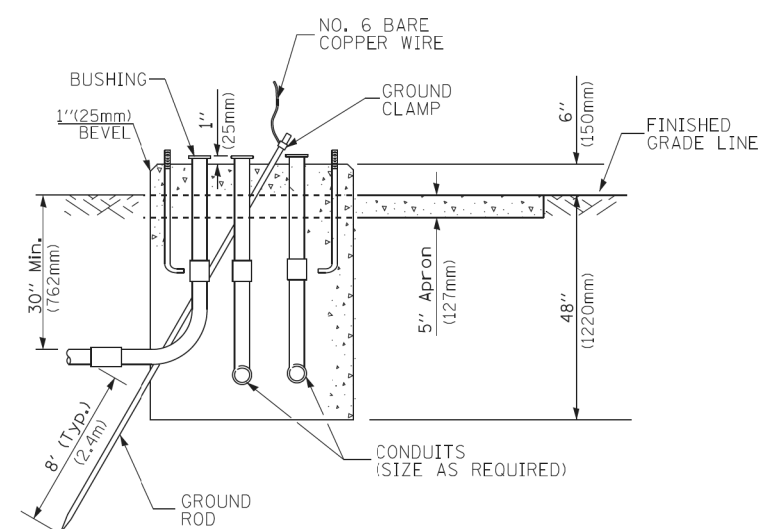
**CABINET - BASE BOLT PATTERN (NOT TO SCALE)**



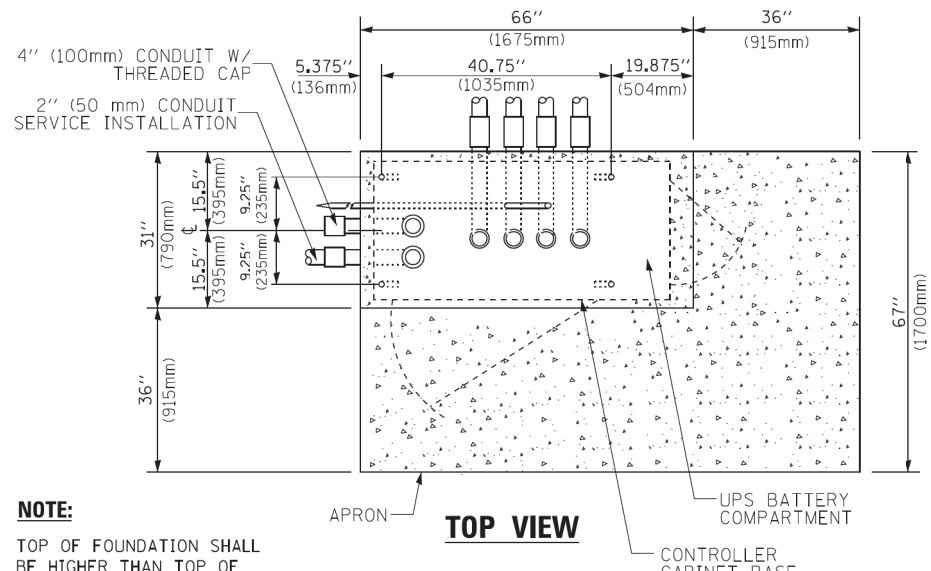
FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.U. RTE. 2298	SECTION 18-00215-22-CH	COUNTY KANE	TOTAL SHEETS 195	SHEET NO. 113
ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 61F04		
		CHECKED - DAD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-28-09	REVISED -									



**TOP VIEW**

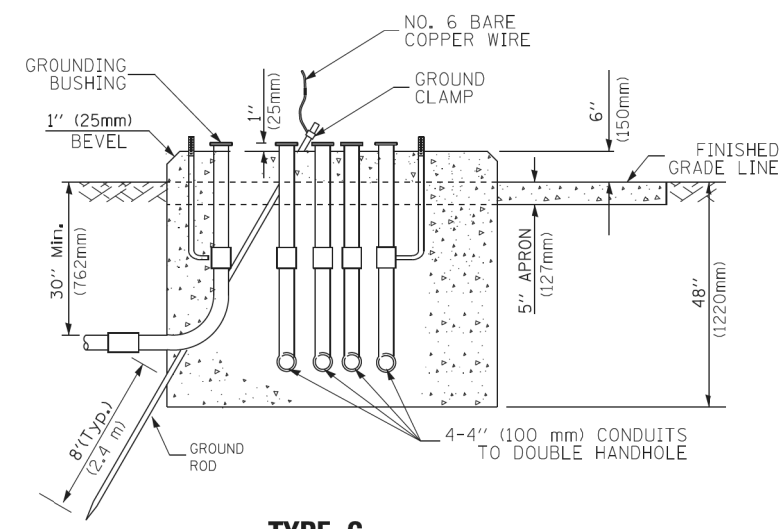


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

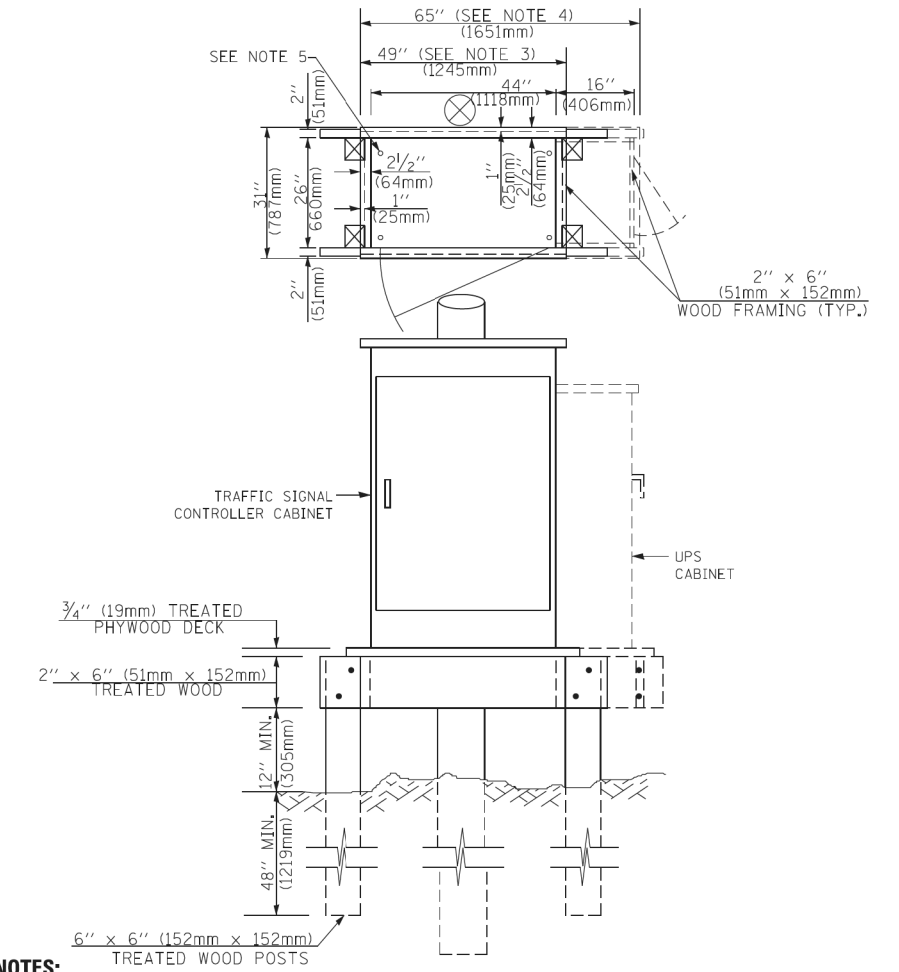


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

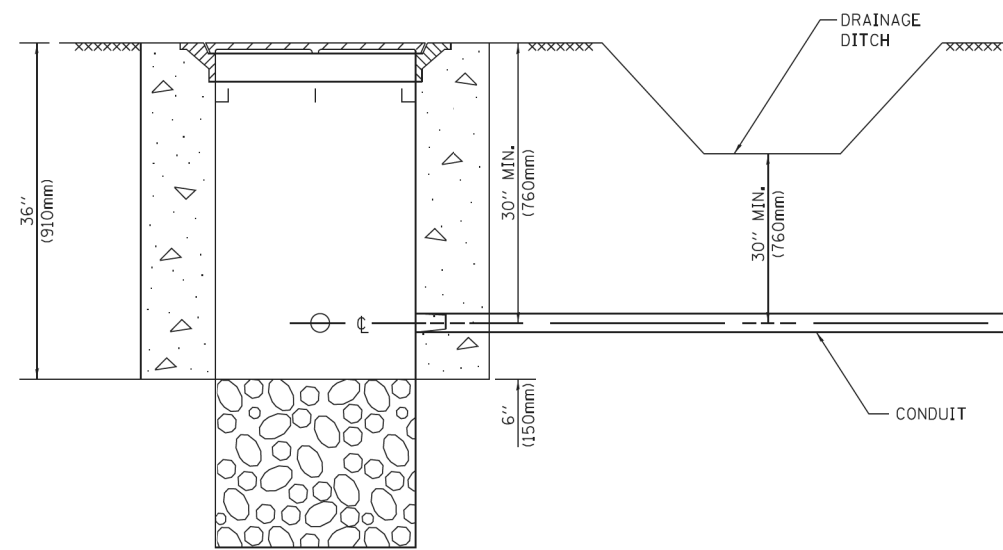
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

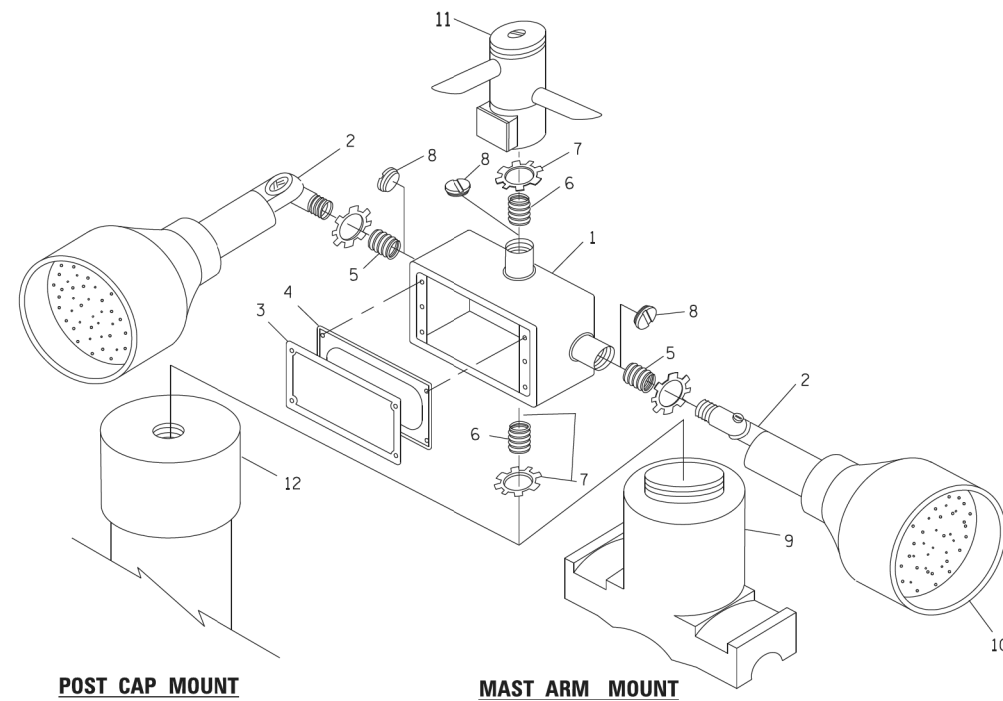
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ca:\p\work\p\dot\footemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000' / in.	DRAWN - BCK	REVISED -			2298	18-00215-22-CH	KANE	195	114
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -			<b>TS-05</b>		<b>CONTRACT NO. 61FO4</b>		
		DATE - 10-28-09	REVISED -			SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



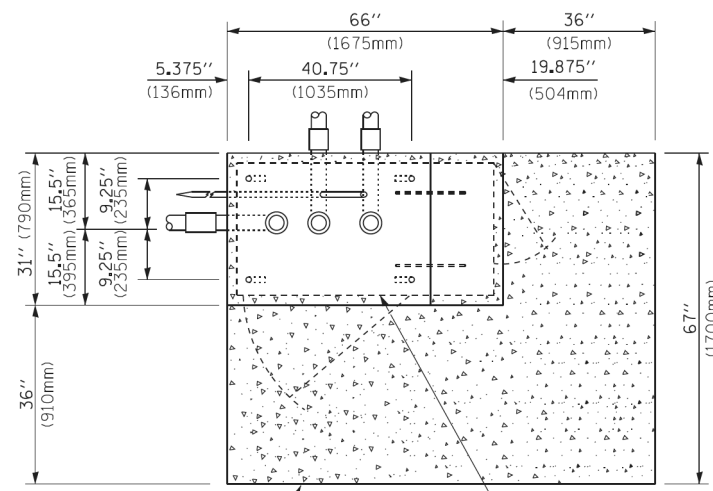
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

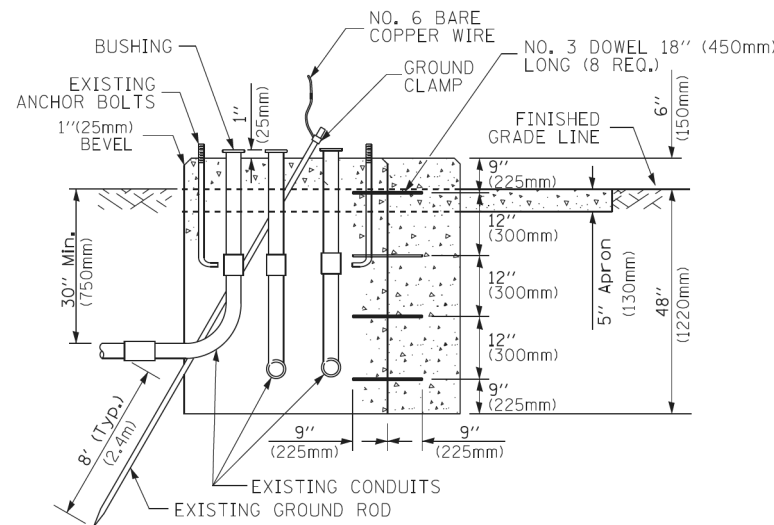
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

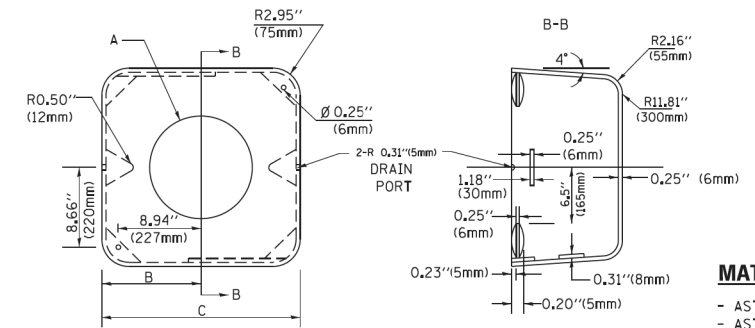


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5,4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

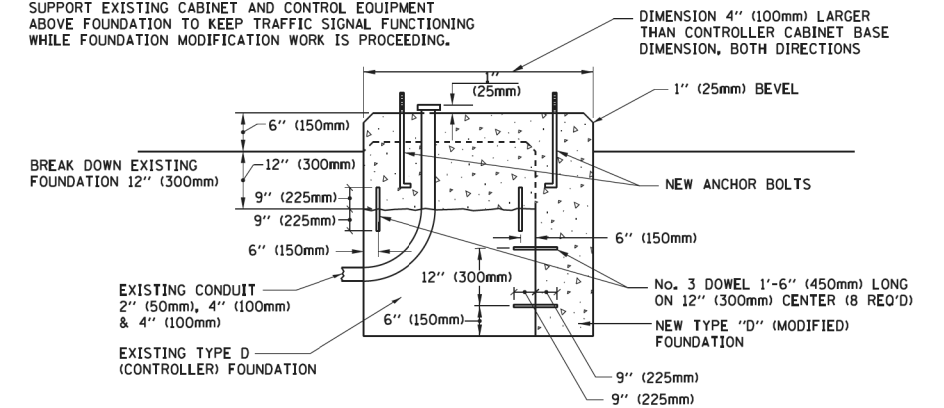
**SHROUD**

**NOTES:**

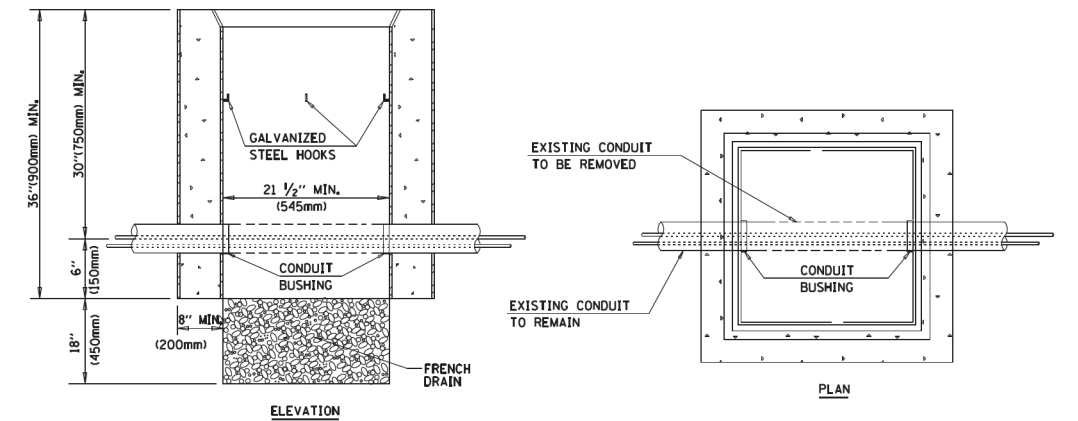
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

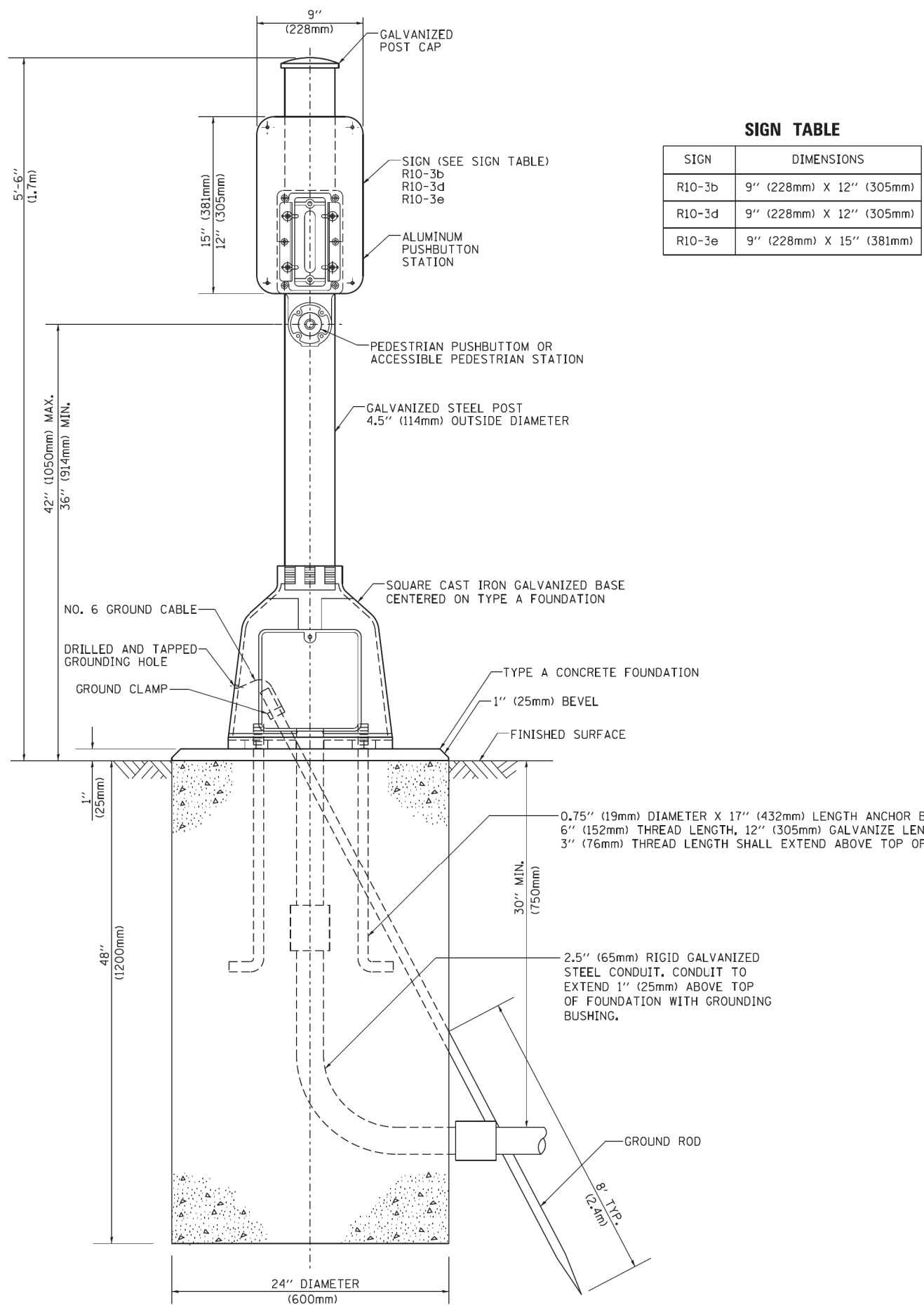
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE

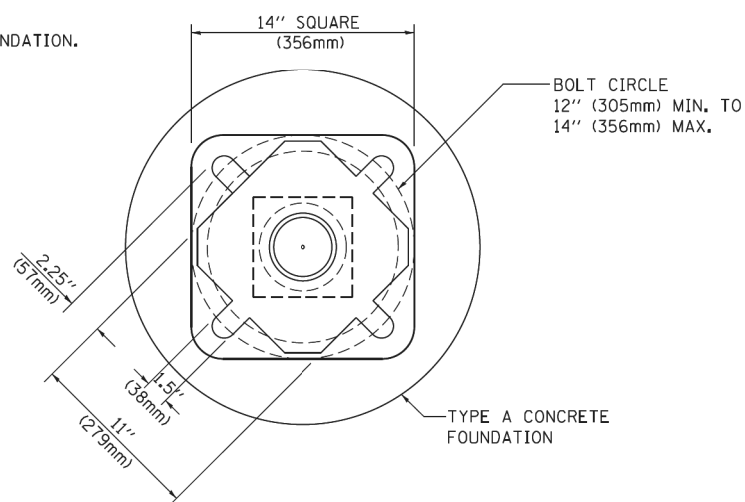
SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	115
	TS-05			
		CONTRACT NO.		61F04
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

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PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	116
<b>TS-05</b>			<b>CONTRACT NO. 61F04</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

DESCRIPTION	UNIT OF MEASURE	TOTAL QUANTITY
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1070
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	212
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	400
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
PREFORMED DETECTOR LOOP	FOOT	466

FILE NAME = p:\a\contingr-pk-bentley\content-projects\Documents\Projects\KendCD\13296-02\Draw-C3\Roadway\CADD\_Sheets\BurnsMcD\SectionC-shr-tasq2018-1L25.bmd.dgn

**LOCAL COORDINATE SYSTEM**

**BURNS  
McDONNELL**  
200 W. ADAMS STREET / SUITE 1600  
CHICAGO, IL 60606  
P: (312)-223-0920 / F: (312)-223-9664  
WEB: WWW.BURNSMCD.COM

USER NAME = Mike Moes	DESIGNED - Designed By	REVISED -
	DRAWN - Drawn By	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - Checked By	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION  
SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 25 AND LONGMEADOW PARKWAY**

SCALE: NONE    SHEET 1 OF 1 SHEETS    STA.    TO STA.

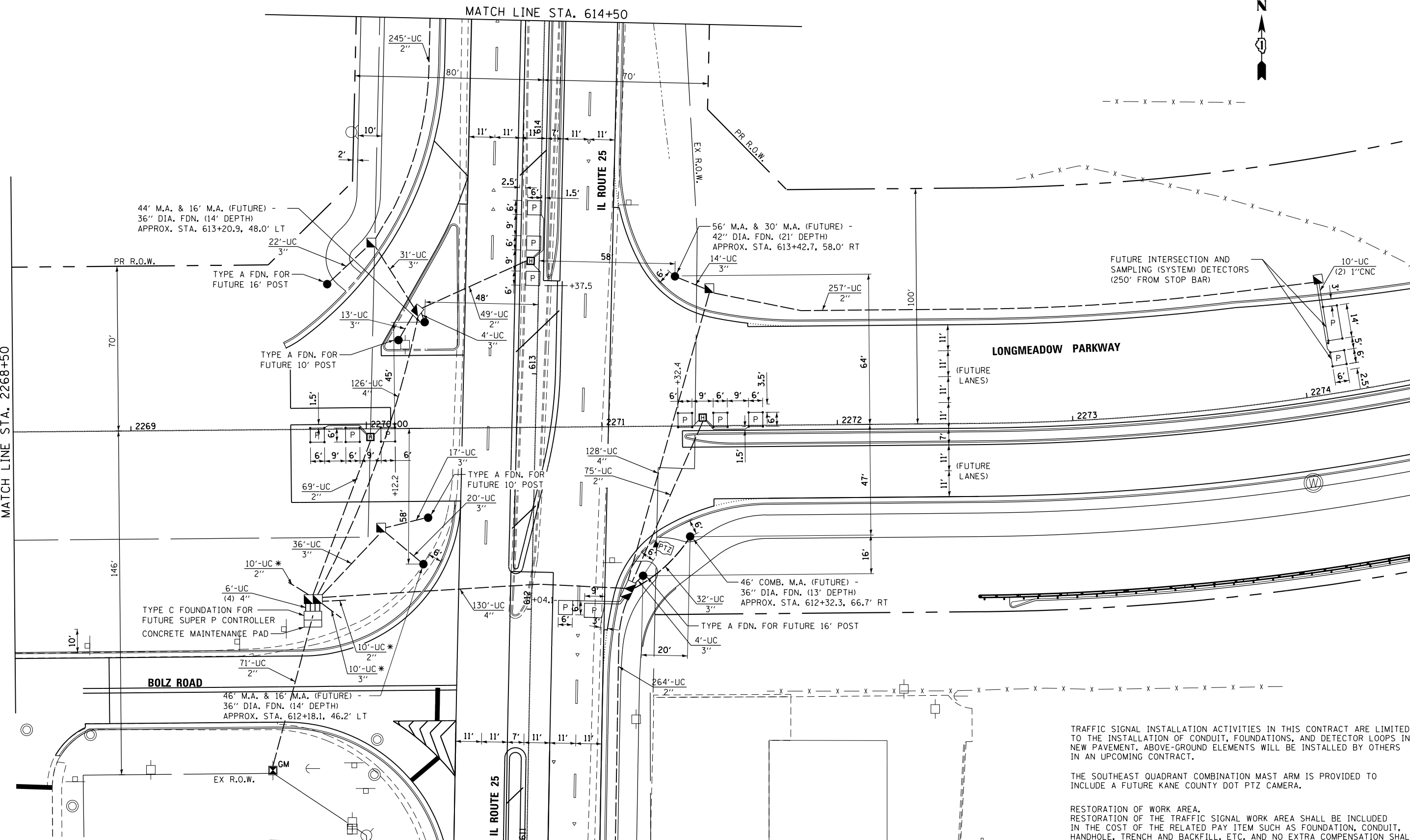
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	117
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 614+50

MATCH LINE STA. 2268+50

MATCH LINE STA. 611+00



\* CONDUIT SEGMENTS SO MARKED SHALL BE CAPPED FOR FUTURE EXTENSION.

TRAFFIC SIGNAL INSTALLATION ACTIVITIES IN THIS CONTRACT ARE LIMITED TO THE INSTALLATION OF CONDUIT, FOUNDATIONS, AND DETECTOR LOOPS IN NEW PAVEMENT. ABOVE-GROUND ELEMENTS WILL BE INSTALLED BY OTHERS IN AN UPCOMING CONTRACT.

THE SOUTHEAST QUADRANT COMBINATION MAST ARM IS PROVIDED TO INCLUDE A FUTURE KANE COUNTY DOT PTZ CAMERA.

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

FILE NAME = p:\a\contingency\pobantley\contingency\projects\Documents\Projects\KaneCo\13296-02\Draw-C3\Roadway\CADD\Sheets\BurnsMcD\SectionC-shr-tp1en2018-IL 25-01\_b.mxd

**LOCAL COORDINATE SYSTEM**

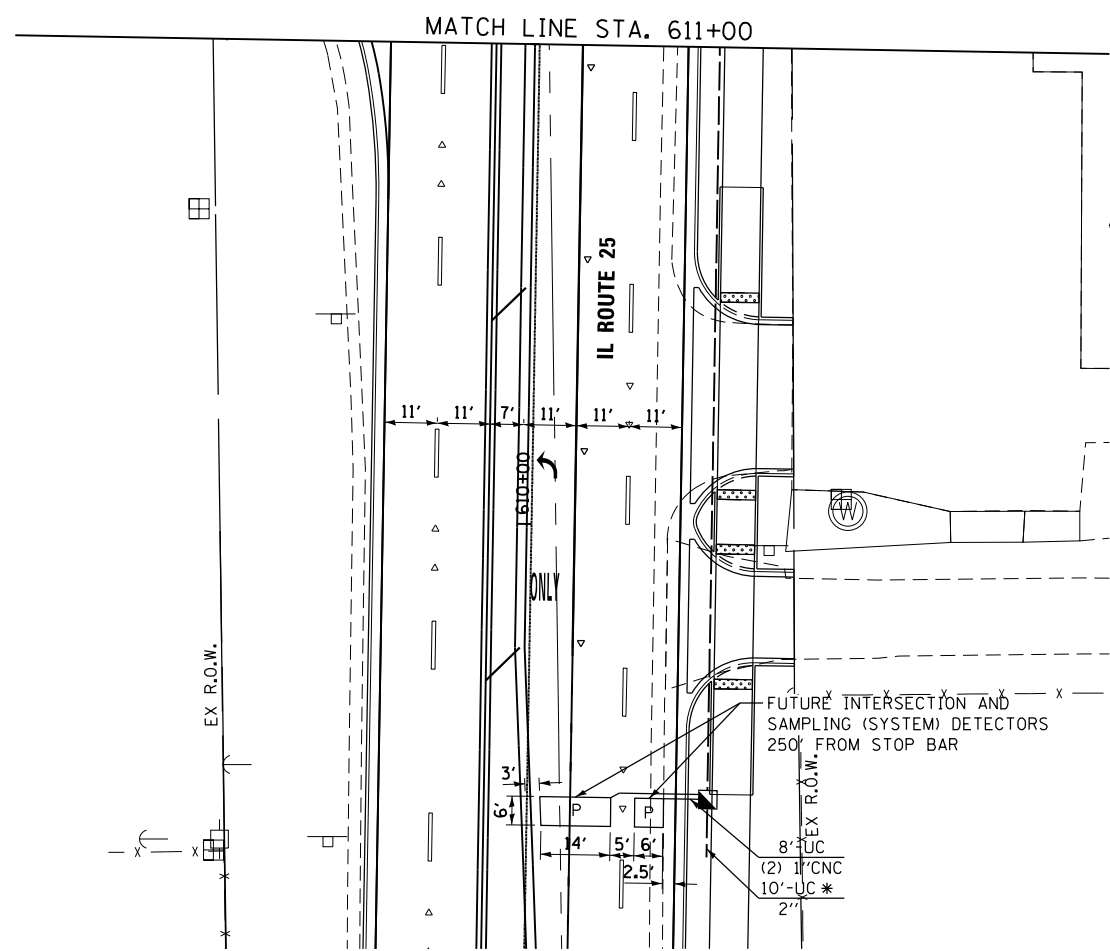
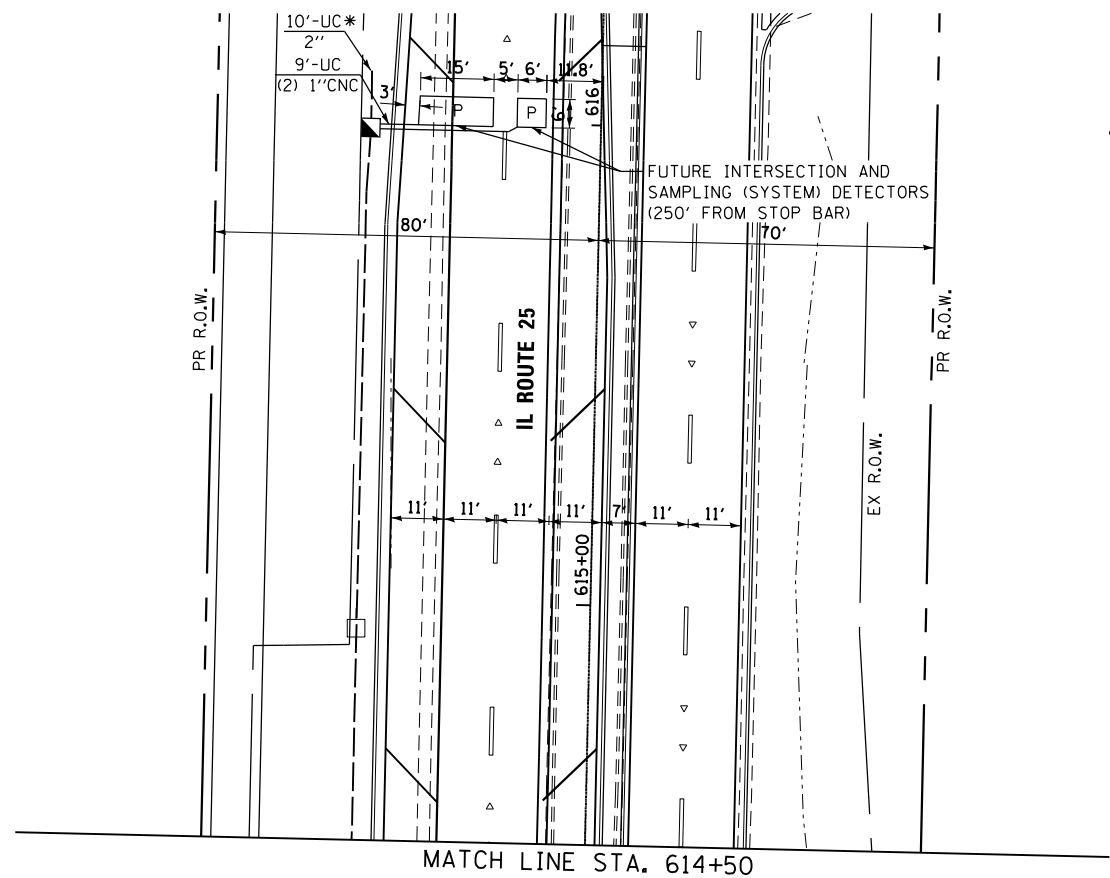
**BURNS MEDONNELL**  
 200 W. ADAMS STREET / SUITE 1600  
 CHICAGO, IL 60606  
 P: (312)-223-0920 / F: (312)-223-9664  
 WEB: WWW.BURNSMCD.COM

USER NAME = Mike Moes	DESIGNED - Designed By	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - Drawn By	REVISED -
PLOT DATE = 9/24/2018	CHECKED - Checked By	REVISED -
	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL INSTALLATION PLAN</b>	
<b>LONGMEADOW PARKWAY AT IL ROUTE 25</b>	
SCALE: 1"=20'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	118
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				



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

\* CONDUIT SEGMENTS SO MARKED SHALL BE  
 CAPPED FOR FUTURE EXTENSION.

**LOCAL COORDINATE SYSTEM**

**BURNS  
 McDONNELL**  
 200 W. ADAMS STREET / SUITE 1600  
 CHICAGO, IL 60606  
 P: (312)-223-0920 / F: (312)-223-9664  
 WEB: WWW.BURNSMCD.COM

USER NAME = Mike Moes	DESIGNED - Designed By	REVISED -
	DRAWN - Drawn By	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - Checked By	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
 LONGMEADOW PARKWAY AT IL ROUTE 25**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	119
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

FILE NAME = p:\mntengr\proj\benj\locmnt\proj\docs\Documents\Projects\Kane\18296-02\Draw-C3\Roadway\CADD\_Sheets\BurnsMcD\SectionC-sht-tsp\ben2018-IL 25-02\_bmd.dgn

**BENCHMARK:** East bolt of fire hydrant with cut "X" at southwest corner of Alameda Drive and Bolz Road.  
Sta. 2268+23.70, Offset 146.9' Rt., Elev. 894.98

**EXISTING STRUCTURE:** None

**DESIGN STRESSES**

**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (AASHTO M270 Gr50)

**DESIGN SPECIFICATIONS**

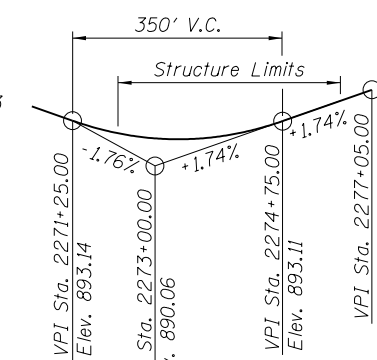
2017 AASHTO LRFD Bridge Design Specifications,  
 Customary U.S. Units, 8th Edition

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structure Excavation	Cu. Yd.	446
Concrete Structures	Cu. Yd.	140.7
* Form Liner Textured Surface	Sq. Ft.	2,888
Stud Shear Connectors	Each	496
Reinforcement Bars, Epoxy Coated	Pound	15,020
Bicycle Railing	Foot	424
Pile Shoes	Each	53
Furnishing Soldier Piles (HP Section)	Foot	1,412
Driving Soldier Piles	Foot	1,412
Untreated Timber Lagging	Sq. Ft.	3,161
Geocomposite Wall Drain	Sq. Yd.	353
* Anti-Graffiti Protection System	Sq. Ft.	2,888
* Staining Concrete Structures	Sq. Ft.	2,888
** Pipe Underdrains For Structures 4"	Foot	432
* Special Provision		
** GBSP		

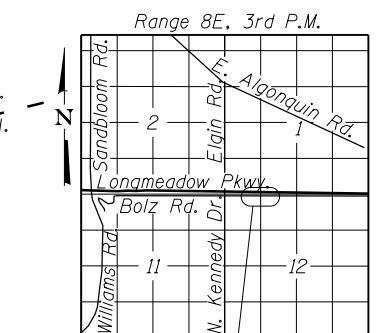
**HORIZONTAL CURVE DATA**

P.I. Sta. = 2275+46.53  
 $\Delta = 31^\circ 34' 06''$  (LT)  
 $D = 5^\circ 38' 47''$   
 $R = 1,014.74'$   
 $T = 286.84'$   
 $L = 559.10'$   
 $E = 39.76'$   
 P.C. Sta. = 2272+59.69  
 P.T. Sta. = 2278+18.79

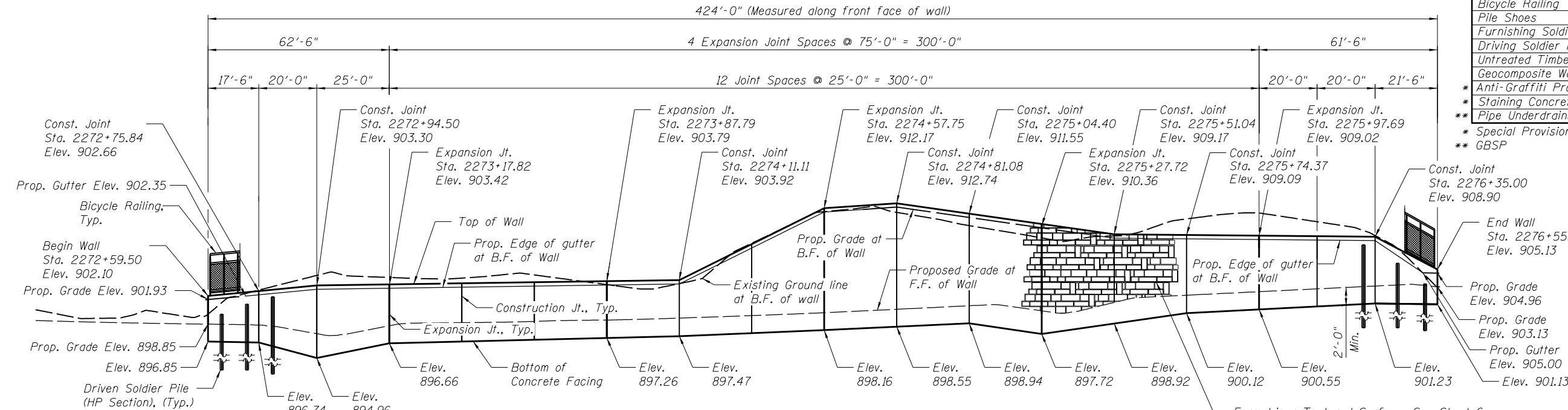


**PROFILE GRADE**

Along Profile Grade Line

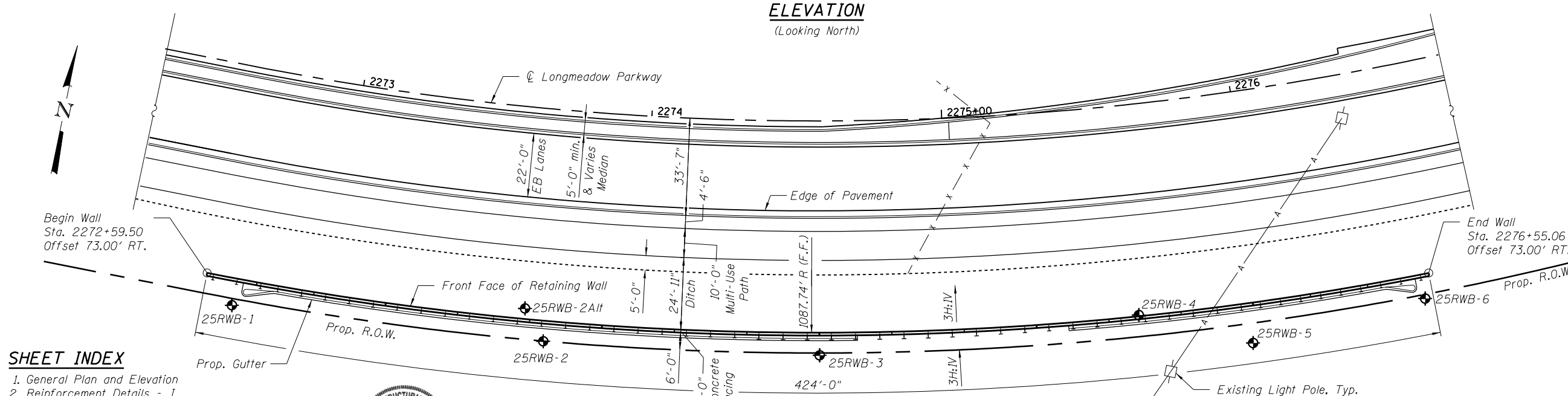


**LOCATION SKETCH**



**ELEVATION**

(Looking North)



**PLAN**

**SHEET INDEX**

1. General Plan and Elevation
2. Reinforcement Details - I
3. Reinforcement Details - II
4. Reinforcement Details - III
5. Soldier Pile Wall Details - I
6. Soldier Pile Wall Details - II
7. Railing Details
8. HP Pile Details
9. Boring Log - I
10. Boring Log - II
11. Boring Log - III
12. Boring Log - IV
13. Boring Log - V
14. Boring Log - VI



A.P. Ananthan  
 Exp. Date: 11/30/2018

"I certify that to the best of my knowledge, information and belief, this design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of the structure and complies with the requirements of the current "2014 AASHTO LRFD Bridge Design Specifications, 7th Edition, with 2015 Interim Revisions."

**NOTES:**

1. Wall Stations and Offsets are given to the front face of the wall.
2. Wall to be built along straight chords between construction joints.
3. Wall longitudinal dimensions are measured radially along front face of wall.

**LEGEND**

- A — Existing Aerial line
- x - x - Existing Fence
- ◆ Boring Location
- Prop. Ditch Line

**LOCAL COORDINATE SYSTEM**



USER NAME = Prabhu Ananthan	DESIGNED - CPB	REVISED -
DRAWN - DH	REVISIONS -	
PLOT SCALE = 40.0018' / in.	CHECKED - PA	REVISIONS -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIONS -

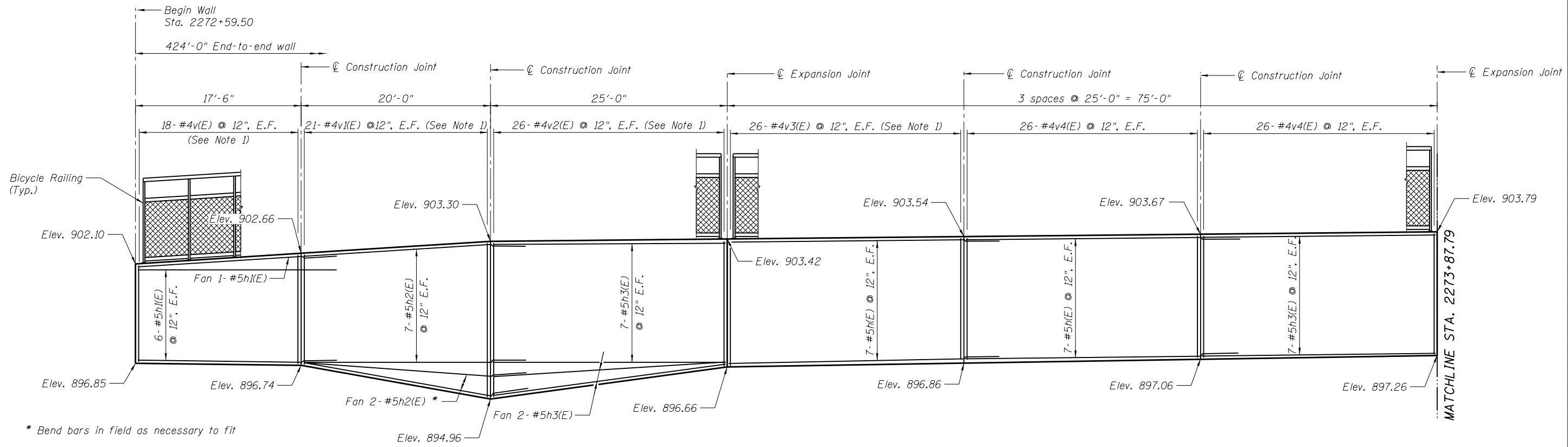
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
 STRUCTURE NO. 045-F034

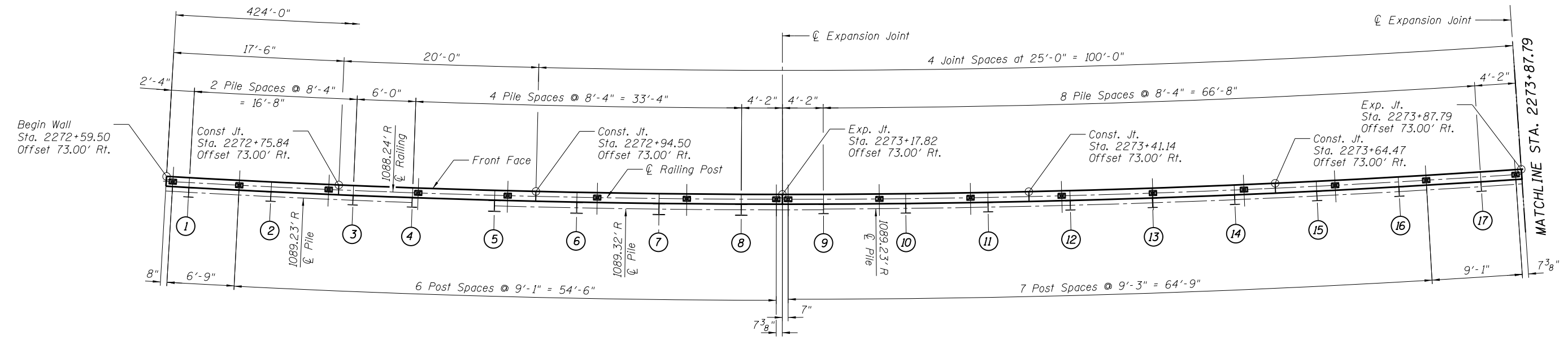
SCALE: SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	120
CONTRACT NO. 61F04			ILLINOIS FED. AID PROJECT	





**PART ELEVATION**  
(Looking North)



**PART PLAN**



**MINIMUM BAR LAP**  
#5 = 3'-7"

**NOTES**

1. See cutting diagram on Sheet No. 6.
2. Cut or adjust fanned horizontal bars as needed to allow 2" min. clearance between bars.
3. Wall longitudinal dimensions are measured radially along front face of wall.
4. Pedestrian Railing post spacings are measured radially along centerline post.
5. E.F. = Each Face

FILE NAME: E:\cmt\cmtengr\p\abentley\cmt\cmt\projects\Documents\Projects\045-F034-Remaining Wall\SectionC-str-Solder-Pile Reinforcing Wall.02-cmt.dgn



USER NAME = Prabhu Ananthan	DESIGNED - CPB	REVISED -
DRAWN - DH	REVISED -	
PLOT SCALE = 11:0.0060 1" = 10'	CHECKED - PA	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

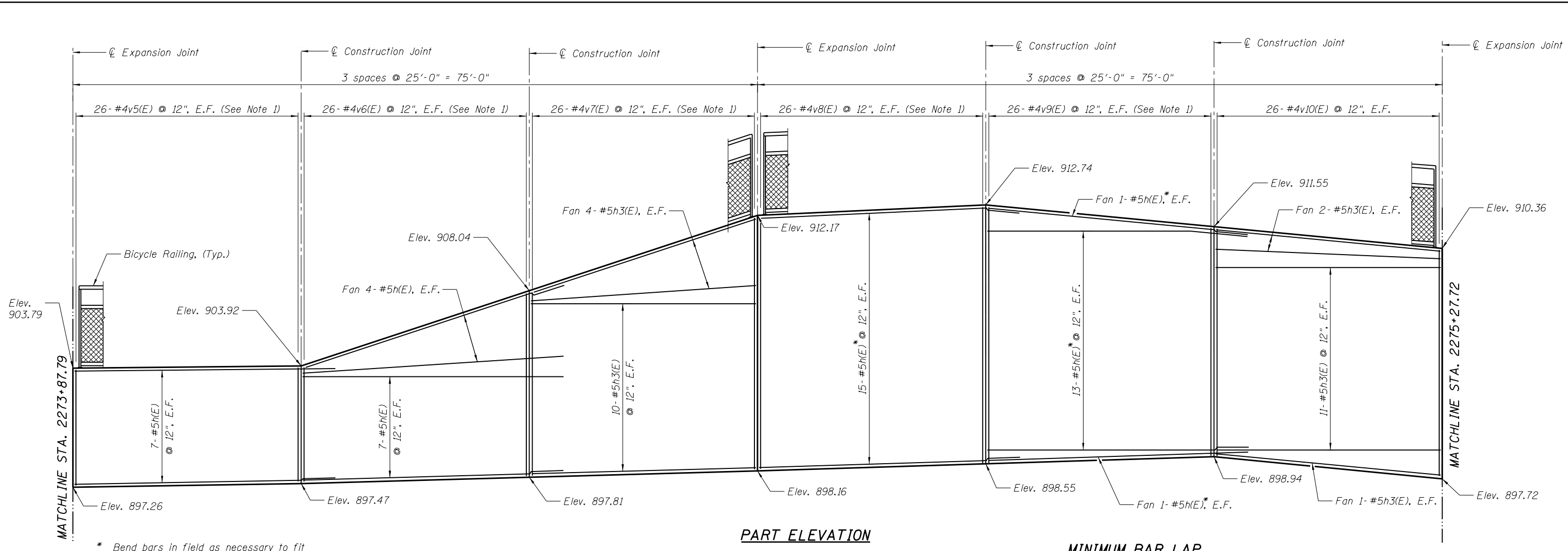
**REINFORCEMENT DETAILS - I  
STRUCTURE NO. 045-F034**

SCALE: SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	121
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

FILE NAME: E:\proj\contract\proj\sectors\documents\projects\kenec\13236\22-02-ar\bridge\cadd\Sheets\045-F034 - Retaining Wall\SectorC-str-Solder-Pile Retaining Wall.03-cont.dgn



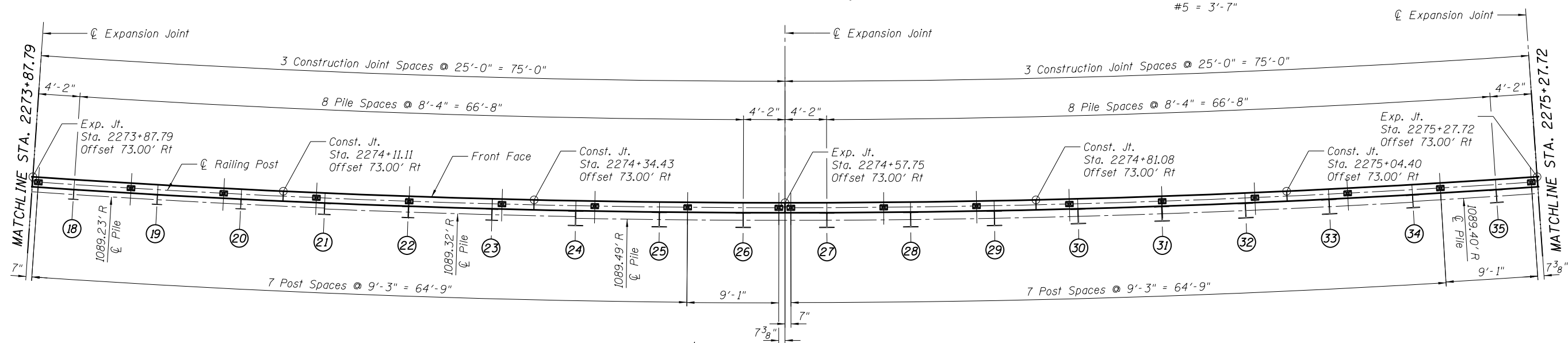
**PART ELEVATION**

(Looking North)

**MINIMUM BAR LAP**

#5 = 3'-7"

\* Bend bars in field as necessary to fit



**PART PLAN**

**NOTES**

- 1. See cutting diagram on Sheet No. 6.
- 2. Cut or adjust fanned horizontal bars as needed to allow 2" min. clearance between bars.
- 3. Wall longitudinal dimensions are measured radially along front face of wall.
- 4. Pedestrian Railing post spacings are measured radially along centerline post.
- 5. E.F. = Each Face



USER NAME = Prabhu Ananthan  
 PLOT SCALE = 1/1000 1" = 10'  
 PLOT DATE = 9/6/2018

DESIGNED - CPB  
 DRAWN - DH  
 CHECKED - PA  
 DATE - 9/6/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

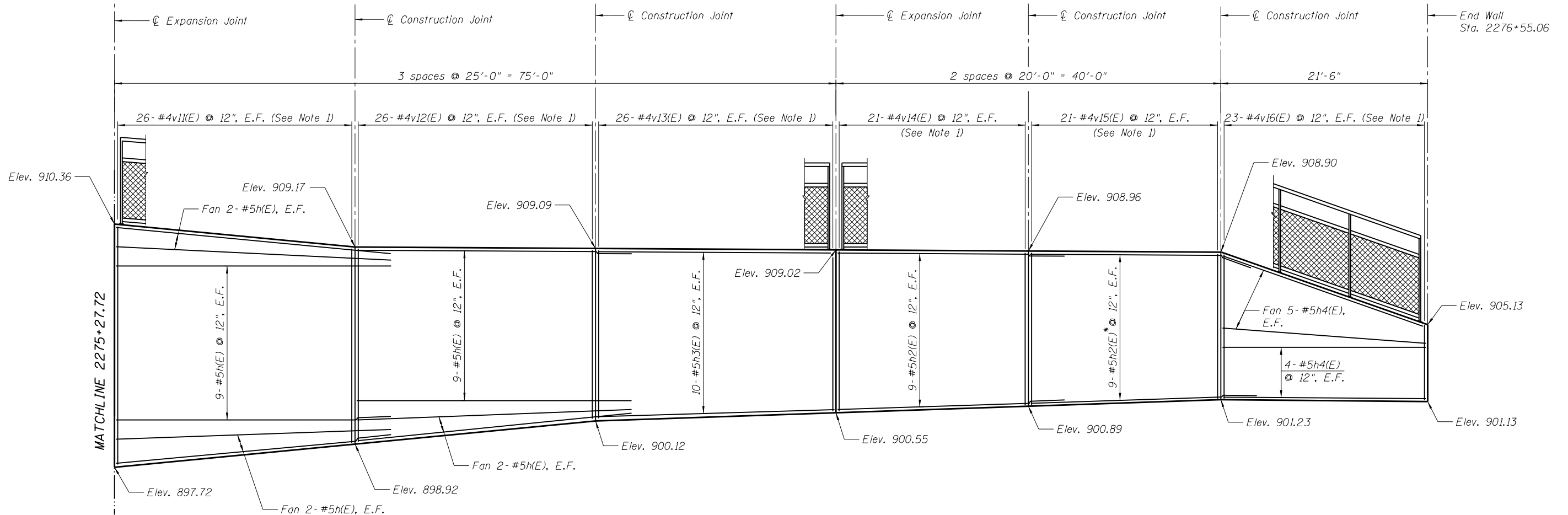
**REINFORCEMENT DETAILS - II  
 STRUCTURE NO. 045-F034**

SCALE: SHEET 3 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	122
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

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 License No. 184-000613 © Copyright CMT, Inc.



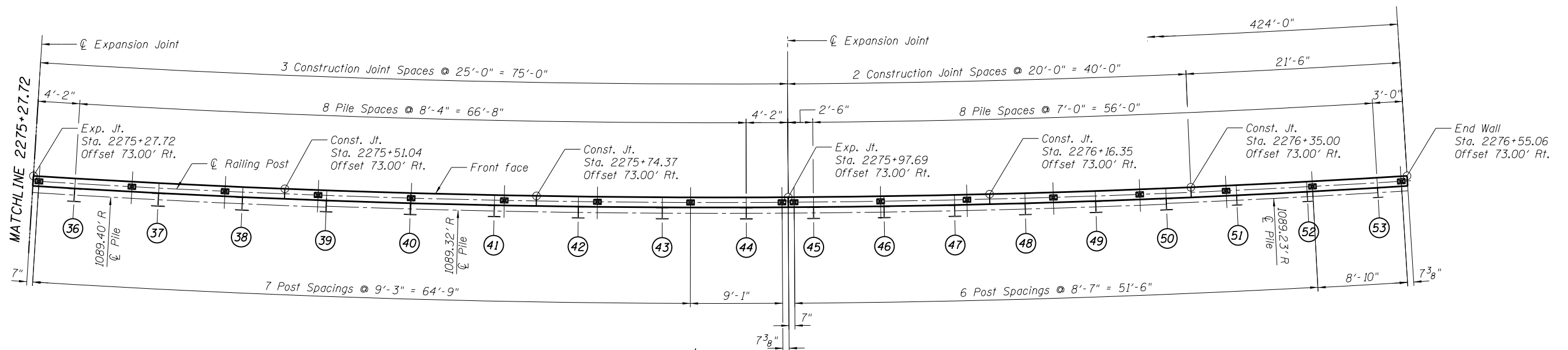
**PART ELEVATION**

(Looking North)

\* Bend bars in field as necessary to fit

**MINIMUM BAR LAP**

#5 = 3'-7"



**PART PLAN**

**NOTES**

1. See cutting diagram on Sheet No. 6.
2. Cut or adjust fanned horizontal bars as needed to allow 2" min. clearance between bars.
3. Wall longitudinal dimensions are measured radially along front face of wall.
4. Pedestrian Railing post spacings are measured radially along centerline post.
5. E.F. = Each Face



USER NAME = Prabhu Ananthan	DESIGNED - CPB	REVISED -
PLOT SCALE = 11/0.0060 1' = 1/4"	DRAWN - DH	REVISED -
PLOT DATE = 9/6/2018	CHECKED - PA	REVISED -
	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

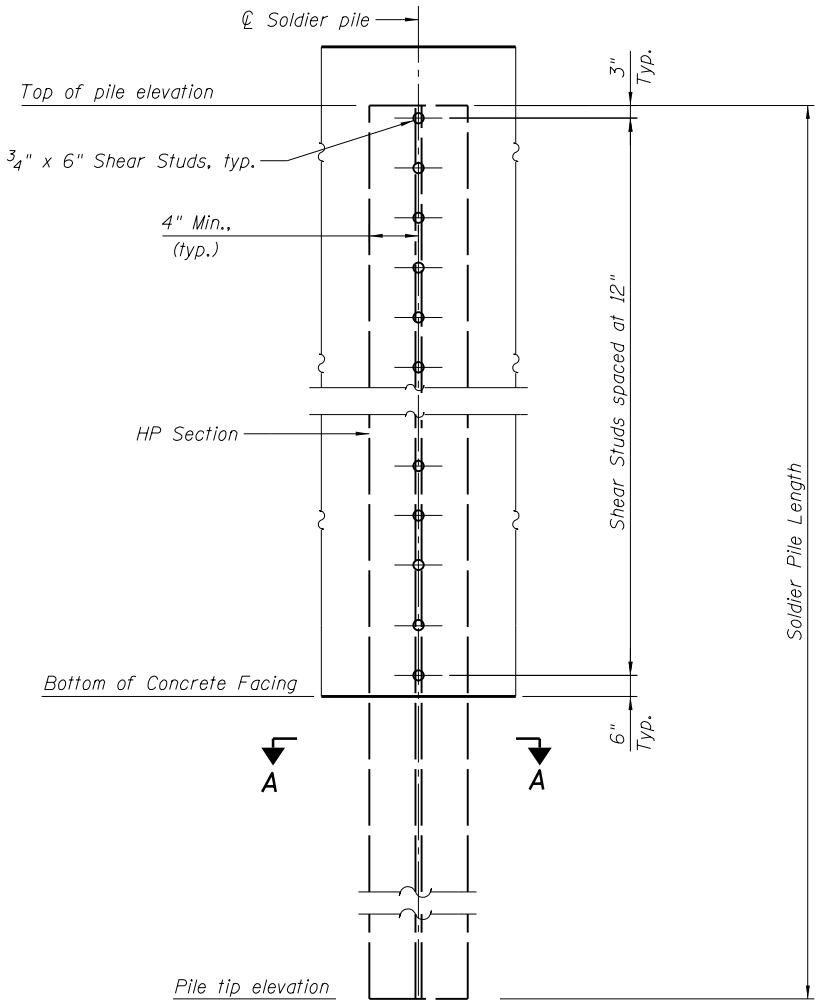
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STRUCTURE NO. 045-F034**

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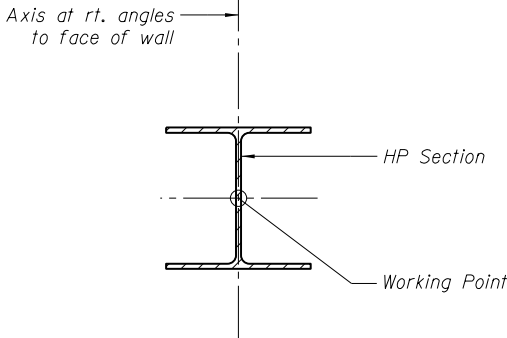
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	123
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				

**SOLDIER PILE DATA**

Soldier Pile Number	Station	Offset to Working Point	Pile Size	Top of Pile Elevation	Estimated Length of Soldier Pile (Ft.)	Number of Shear Connectors
1	2272+61.69	74.49	HP12x53	900.67	20.0	6
2	2272+69.47	74.49	HP12x53	900.94	21.0	6
3	2272+77.24	74.49	HP12x53	901.21	21.0	7
4	2272+82.84	74.49	HP12x53	901.40	22.0	7
5	2272+90.61	74.58	HP14x89	901.66	26.0	8
6	2272+98.39	74.58	HP14x89	901.82	26.0	9
7	2273+06.16	74.58	HP14x89	901.86	25.0	8
8	2273+13.93	74.58	HP14x89	901.90	25.0	8
9	2273+21.71	74.49	HP12x53	901.94	22.0	7
10	2273+29.48	74.49	HP12x53	901.98	22.0	7
11	2273+37.26	74.49	HP12x53	902.02	22.0	7
12	2273+45.03	74.49	HP12x53	902.06	22.0	7
13	2273+52.80	74.49	HP12x53	902.11	22.0	7
14	2273+60.58	74.49	HP12x53	902.15	22.0	7
15	2273+68.35	74.49	HP12x53	902.19	22.0	7
16	2273+76.13	74.49	HP12x53	902.23	22.0	7
17	2273+83.90	74.49	HP12x53	902.27	22.0	7
18	2273+91.68	74.49	HP12x53	902.31	22.0	7
19	2273+99.45	74.49	HP12x53	902.35	21.0	7
20	2274+07.22	74.49	HP12x53	902.40	21.0	7
21	2274+15.00	74.58	HP14x89	903.10	25.0	8
22	2274+22.77	74.58	HP14x89	904.48	26.0	9
23	2274+30.55	74.58	HP14x89	905.86	27.0	10
24	2274+38.32	74.75	HP18x181	907.23	32.0	11
25	2274+46.09	74.75	HP18x181	908.60	34.0	13
26	2274+53.87	74.75	HP18x181	909.98	35.0	14
27	2274+61.64	74.75	HP18x181	910.76	36.0	15
28	2274+69.42	74.75	HP18x181	910.95	36.0	15
29	2274+77.19	74.75	HP18x181	911.14	36.0	15
30	2274+84.96	74.75	HP18x181	911.04	35.0	14
31	2274+92.74	74.75	HP18x181	910.64	35.0	14
32	2275+00.51	74.75	HP18x181	910.25	34.0	13
33	2275+08.29	74.75	HP18x181	909.85	34.0	13
34	2275+16.06	74.66	HP16x121	909.45	32.0	13
35	2275+23.83	74.66	HP16x121	909.06	32.0	13
36	2275+31.61	74.66	HP16x121	908.66	32.0	13
37	2275+39.38	74.66	HP16x121	908.26	31.0	12
38	2275+47.16	74.66	HP16x121	907.86	30.0	11
39	2275+54.93	74.58	HP14x89	907.65	28.0	11
40	2275+62.70	74.58	HP14x89	907.63	28.0	10
41	2275+70.48	74.58	HP14x89	907.60	27.0	10
42	2275+78.25	74.58	HP14x89	907.58	27.0	9
43	2275+86.03	74.58	HP14x89	907.55	27.0	9
44	2275+93.80	74.58	HP14x89	907.53	26.0	9
45	2276+00.02	74.58	HP14x89	907.51	26.0	9
46	2276+06.55	74.58	HP14x89	907.49	26.0	9
47	2276+13.08	74.58	HP14x89	907.47	26.0	9
48	2276+19.61	74.58	HP14x89	907.45	26.0	8
49	2276+26.14	74.58	HP14x89	907.43	26.0	8
50	2276+32.67	74.58	HP14x89	907.40	26.0	8
51	2276+39.20	74.49	HP12x53	906.61	22.0	7
52	2276+45.73	74.49	HP12x53	905.38	21.0	6
53	2276+52.26	74.49	HP12x53	904.16	20.0	5



**SOLDIER PILE ELEVATION AND  
SHEAR STUD CONNECTION DETAILS**



**SECTION A-A**

FILE NAME = ... \\cmtengr-pk-bentley\cmtengr-projects\Documents\Projects\Kens\045-F034 - Retaining Wall\SectionC-str-Soldier Pile Retaining Wall.05-cmt.dgn



USER NAME = Prabhu Anathan	DESIGNED - CPB	REVISED -
PLOT SCALE = 4.0002' / 1"	DRAWN - DH	REVISED -
PLOT DATE = 9/6/2018	CHECKED - PA	REVISED -
	DATE - 9/6/2018	REVISED -

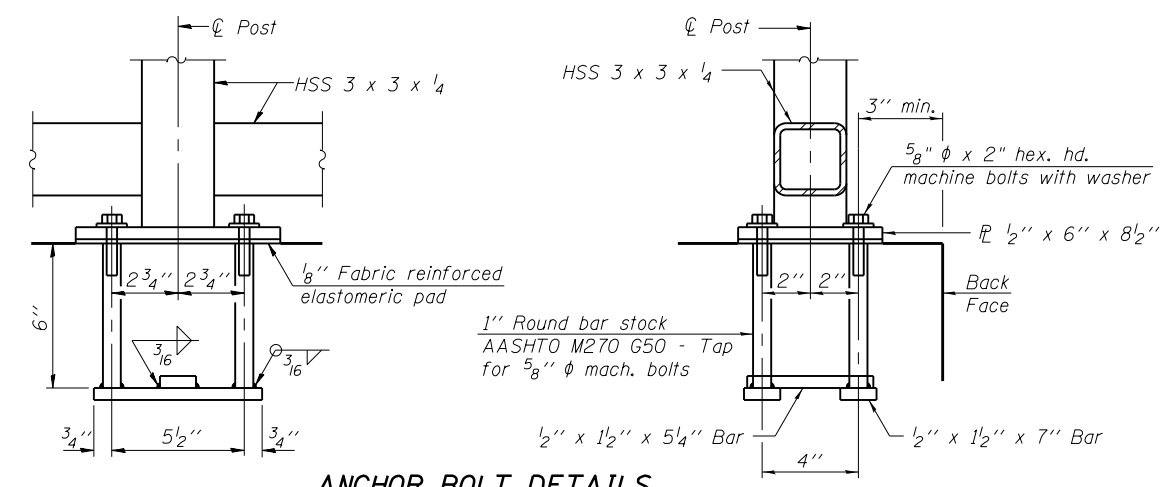
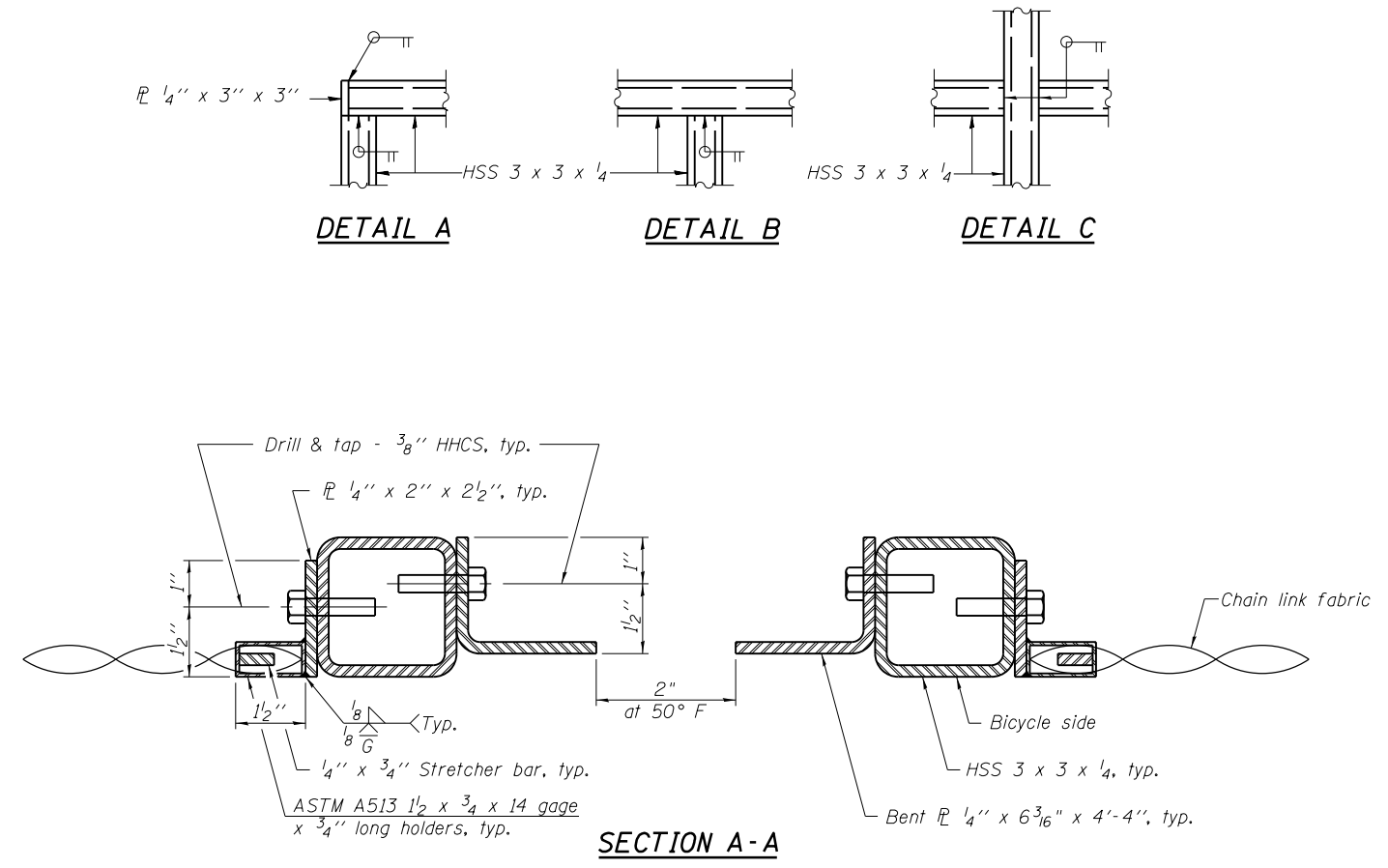
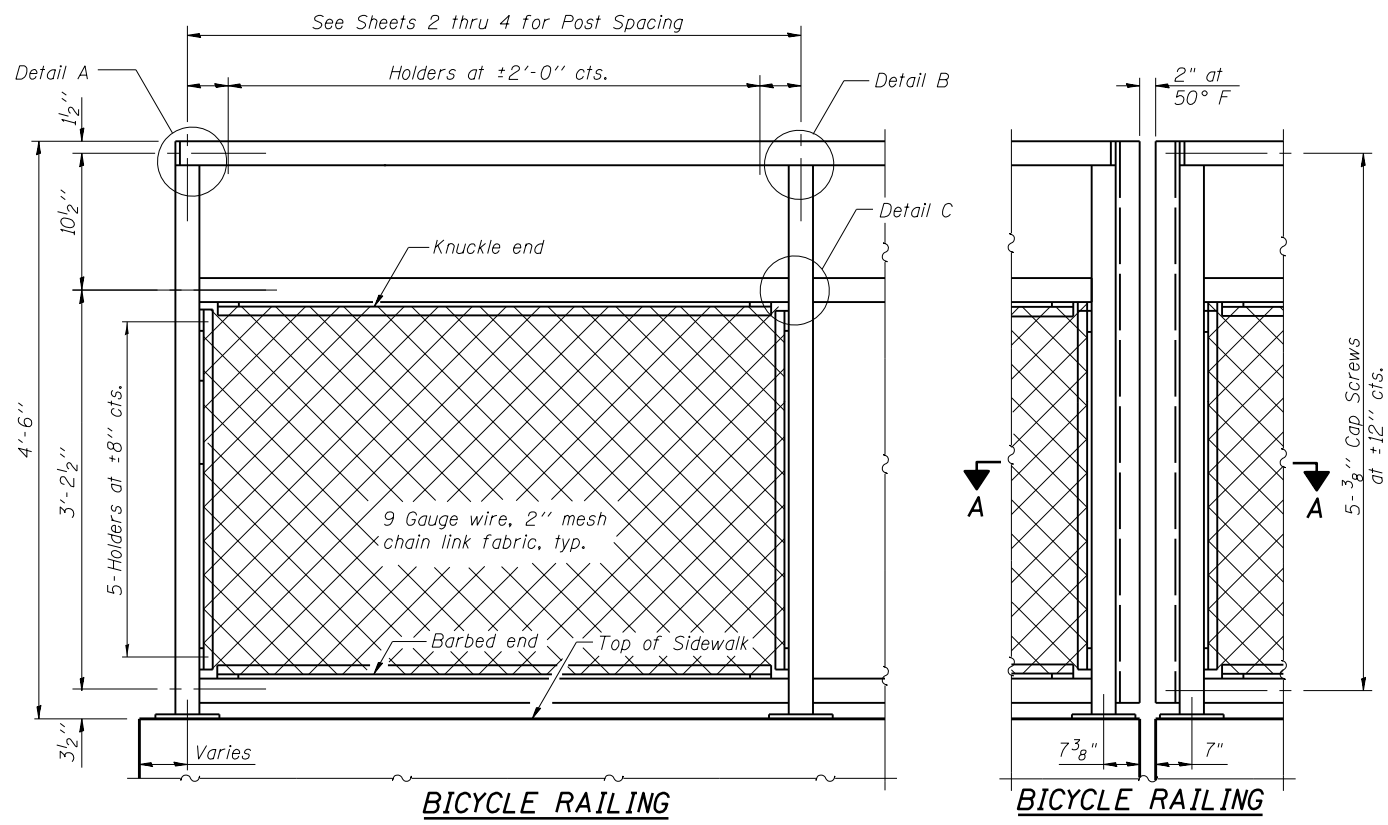
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SOLDIER PILE WALL DETAILS - I</b>	
<b>STRUCTURE NO. 045-F034</b>	
SCALE:	SHEET 5 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	124
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				



FILE NAME: E:\pvt\contingency\pvt\contingency\projects\Documents\Projects\Kane\045-F034-Retaining Wall\SectionC-str-Solder-File Retaining Wall.07.cnt.dgn  
 License No. 184-000613 © Copyright CMT, Inc.



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

**NOTE:**  
 All post, railing, splices, anchor devices, and bent plates shall be painted using the Organic Zinc Rich Primer / Epoxy / Urethane Paint System. The entire system shall be shop applied. The color of the final finish coat shall be submitted by the contractor for approval by the Kane County Division of Transportation.

**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing	Foot	424



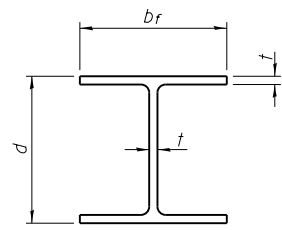
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PLOT DATE = 9/6/2018	CHECKED - PA	REVISED -
	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RAILING DETAILS  
 STRUCTURE NO. 045-F034**

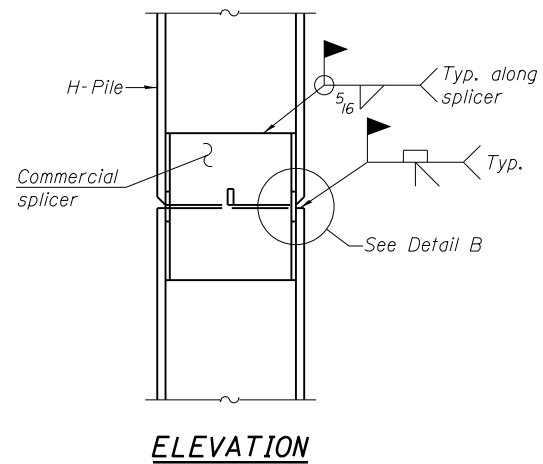
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	126
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F04	

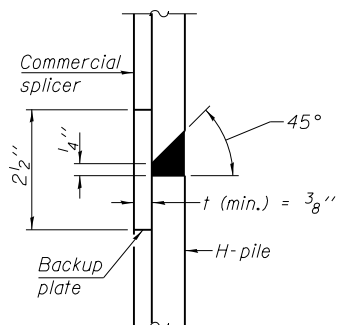


**STEEL PILE TABLE**

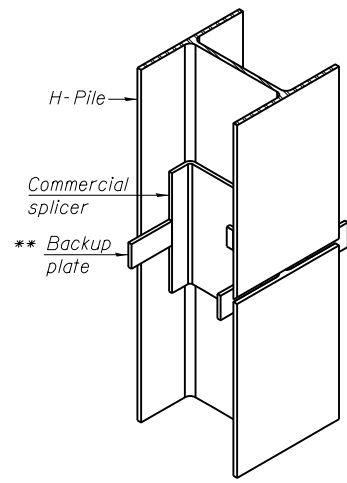
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



**ELEVATION**

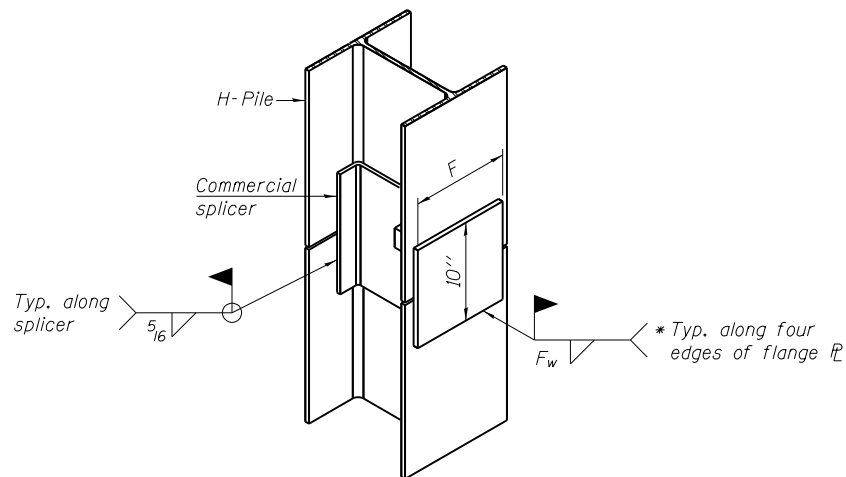


**DETAIL "B"**



**ISOMETRIC VIEW**

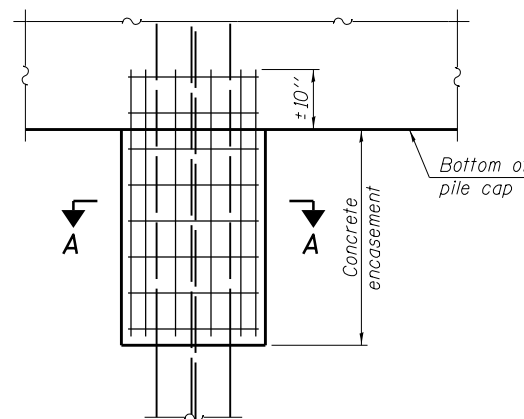
**WELDED COMMERCIAL SPLICE**



**ISOMETRIC VIEW**

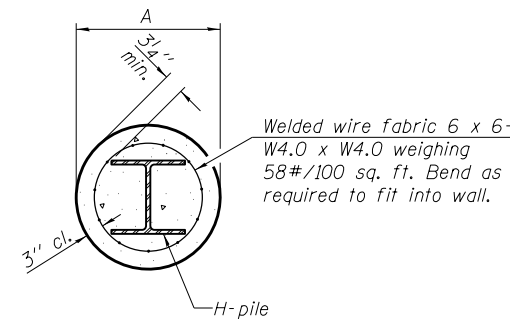
**WELDED COMMERCIAL SPLICE ALTERNATE**

- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer (5/16" min.).



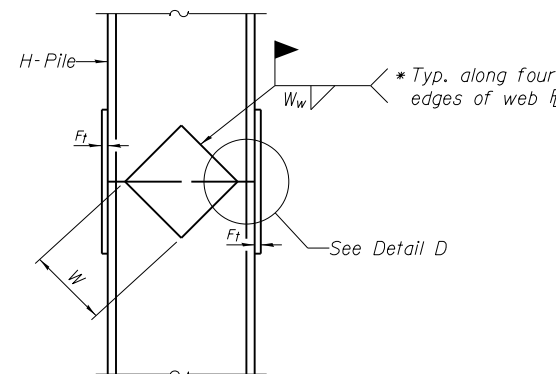
**ELEVATION**

**PILE ENCASEMENT**



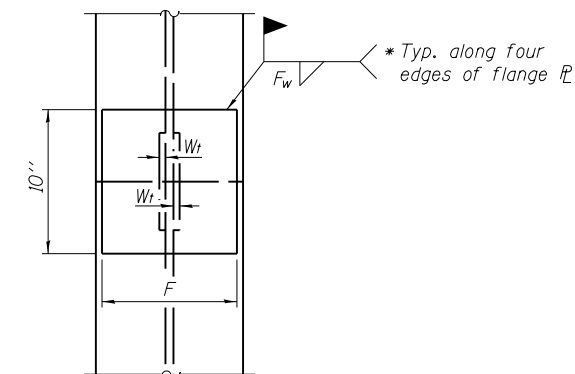
**SECTION A-A**

Note:  
Forms for encasement may be omitted when soil conditions permit.



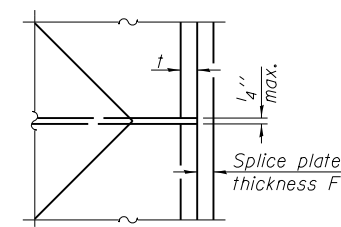
**ELEVATION**

**WELDED PLATE FIELD SPLICE**



**END VIEW**

Designation	F	F <sub>t</sub>	F <sub>w</sub>	W	W <sub>t</sub>	W <sub>w</sub>
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"



**DETAIL D**

Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.

FILE NAME: E:\pca\contingency\pca\contingency\projects\documents\projects\documents\projects\kenc0013296-02\Drawings\bridge\CAD\Sheets\045-F034-Remaining Wall\SectionC-str-Solder-Pile Remaining Wall.08-cmt.dgn

F-HP

1-27-12



USER NAME = Prabhu Ananthan  
 DRAWN - DH  
 CHECKED - PA  
 DATE - 9/6/2018

DESIGNED - CPB  
 DRAWN - DH  
 CHECKED - PA  
 DATE - 9/6/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS  
 STRUCTURE NO. 045-F034

SCALE: SHEET 8 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	127
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				



### BORING LOG 25RWB-1

wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

WEI Job No.: 310-06-01  
Client: **Crawford, Murphy, & Tilly, Inc.**  
Project: **Longmeadow Parkway**  
Location: **Kane County, Illinois**

Datum: NAVD 88  
Elevation: 901.75 ft  
North: 1993500.99 ft  
East: 1004943.80 ft  
Station: 2272+69.28  
Offset: 82.31 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
900.8	12-inch thick, black LOAM, trace gravel --TOPSOIL--														
898.8	Stiff, brown CLAY LOAM, trace gravel; damp --RDR= 2-- --hard drilling--			1	2 2 3	1.00 P	19					9	10 12	NP	5
	Medium dense to dense, brown SANDY GRAVEL; damp --RDR=4--			2	5 10 26	NP	5					10	11 10 8	NP	4
	--hard drilling, 3.0 to 10.0 feet-- --possible cobbles--			3	18 19 20	NP	7								
				4	11 12 17	NP	6								
891.3	Dense, brown, fine to coarse SAND, trace gravel; damp --RDR=3--			5	15 16 24	NP	4								
	--hard drilling--			6	24 23 19	NP	6								
886.3	Very dense, brown SANDY GRAVEL; damp --RDR=4--			7	18 25 36	NP	5								
883.8	Medium dense, brown, fine to coarse SAND, trace gravel; damp --RDR=3--			8	16 10 10	NP	5								
								876.8	Boring terminated at 25.00 ft	25					

#### GENERAL NOTES

Begin Drilling **04-10-2017** Complete Drilling **04-10-2017**  
Drilling Contractor **Wang Testing Services** Drill Rig **D-50 ATV**  
Driller **K&N** Logger **J. Foote** Checked by **C. Marin**  
Drilling Method **3.25" HSA; boring backfilled upon completion**

#### WATER LEVEL DATA

While Drilling  **DRY**  
At Completion of Drilling  **DRY**  
Time After Drilling **NA**  
Depth to Water  **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



### BORING LOG 25RWB-2

wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

WEI Job No.: 310-06-01  
Client: **Crawford, Murphy, & Tilly, Inc.**  
Project: **Longmeadow Parkway**  
Location: **Kane County, Illinois**

Datum: NAVD 88  
Elevation: 904.50 ft  
North: 1993510.53 ft  
East: 1005051.48 ft  
Station: 2273+69.38  
Offset: 80.07 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
903.6	11-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL--														
	Medium dense to very dense, brown SANDY GRAVEL; damp --RDR=4--			1	9 11 15	NP	5								
	--rig chatter-- --hard drilling, 1.0 to 12.5 feet-- --possible cobbles--			2	18 16 18	NP	5								
				3	6 14 17	NP	5								
				4	17 31 35	NP	3								
				5	60/5	NP	8								
892.0	--AUGER REFUSAL-- Boring terminated at 12.50 ft														

#### GENERAL NOTES

Begin Drilling **04-06-2017** Complete Drilling **04-06-2017**  
Drilling Contractor **Wang Testing Services** Drill Rig **D-50 ATV**  
Driller **K&N** Logger **J. Rowells** Checked by **C. Marin**  
Drilling Method **3.25" HSA; boring backfilled upon completion**

#### WATER LEVEL DATA

While Drilling  **DRY**  
At Completion of Drilling  **DRY**  
Time After Drilling **NA**  
Depth to Water  **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME: E:\proj\contingency\proj\contingency\Documents\Projects\Kane\045-F034 - Retaining Wall\Section\str-5\older-File Retaining Wall\_09.cnt.dgn



USER NAME = Prabhu Ananthan  
DESIGNED - CPB  
DRAWN - DH  
CHECKED - PA  
DATE - 9/6/2018

REVISOR -  
REVISION -  
REVISOR -  
REVISION -  
REVISOR -  
REVISION -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOG - I  
STRUCTURE NO. 045-F034

SCALE: SHEET 9 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	128
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F04	





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 Fax: 630 953-9938

### BORING LOG 25RWB-2AIt

WEI Job No.: 310-06-01

Client: **Crawford, Murphy, & Tilly, Inc.**  
 Project: **Longmeadow Parkway**  
 Location: **Kane County, Illinois**

Datum: NAVD 88  
 Elevation: 904.00 ft  
 North: 1993520.35 ft  
 East: 1005043.04 ft  
 Station: 2273+62.61  
 Offset: 69.36 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	903.5	6-inch thick, black LOAM --TOPSOIL--															
	902.5	Stiff, brown CLAY LOAM, trace gravel; moist			1	7 9 16	1.25 P	14						9	12 16 19	NP	5
		Medium dense to dense, brown SANDY GRAVEL; damp to moist --RDR= 3 to 4--			2	4 6 7	NP	5		881.0	Very stiff, brown and gray SILTY LOAM, trace gravel; moist to saturated --RDR=3-- --L <sub>L</sub> (%)=25, P <sub>L</sub> (%)=16--25 --%Gravel=0.9-- --%Sand=5.9-- --%Silt=76.5-- --%Clay=16.7--			10 10 11	2.50 P	16	
					3	7 9 12	NP	5						8 8 12	3.03 B	15	
					4	10 12 13	NP	5		875.3	Very dense, brown SANDY GRAVEL; moist --RDR=3 to 4--30			12 30 41	NP	4	
		--hard drilling, 10.0 to 23.0 feet-- --possible cobbles--			5	12 10 12	NP	5									
					6	13 15 9	NP	4						21 36 50/5	NP	4	
					7	12 19 11	NP	5									
					8	8 9 12	NP	4		864.0				23 43 38	NP	4	

WANGENG\3100601\GPI WANGENG.GDT 4/27/17

#### GENERAL NOTES

Begin Drilling: **04-10-2017** Complete Drilling: **04-10-2017**  
 Drilling Contractor: **Wang Testing Services** Drill Rig: **D-50 ATV**  
 Driller: **K&N** Logger: **J. Foote** Checked by: **C. Marin**  
 Drilling Method: **3.25" HSA; boring backfilled upon completion**

#### WATER LEVEL DATA

While Drilling: **28.50 ft**  
 At Completion of Drilling: **DRY**  
 Time After Drilling: **NA**  
 Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Boring terminated at 40.00 ft

FILE NAME: E:\paw\contingency\paw\contingency\projects\documents\projects\kenc001\3226-02\Drawings\Bridges\CADD\Sheets\045-F034-Remaining Well\0-cmt.dgn



USER NAME = Prabhu Ananthan	DESIGNED - CPB	REVISED -
PLOT SCALE = 2.0001' / in.	DRAWN - DH	REVISED -
PLOT DATE = 9/6/2018	CHECKED - PA	REVISED -
	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BORING LOG - II  
 STRUCTURE NO. 045-F034**

SCALE: SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	129
CONTRACT NO. 61F04			ILLINOIS FED. AID PROJECT	

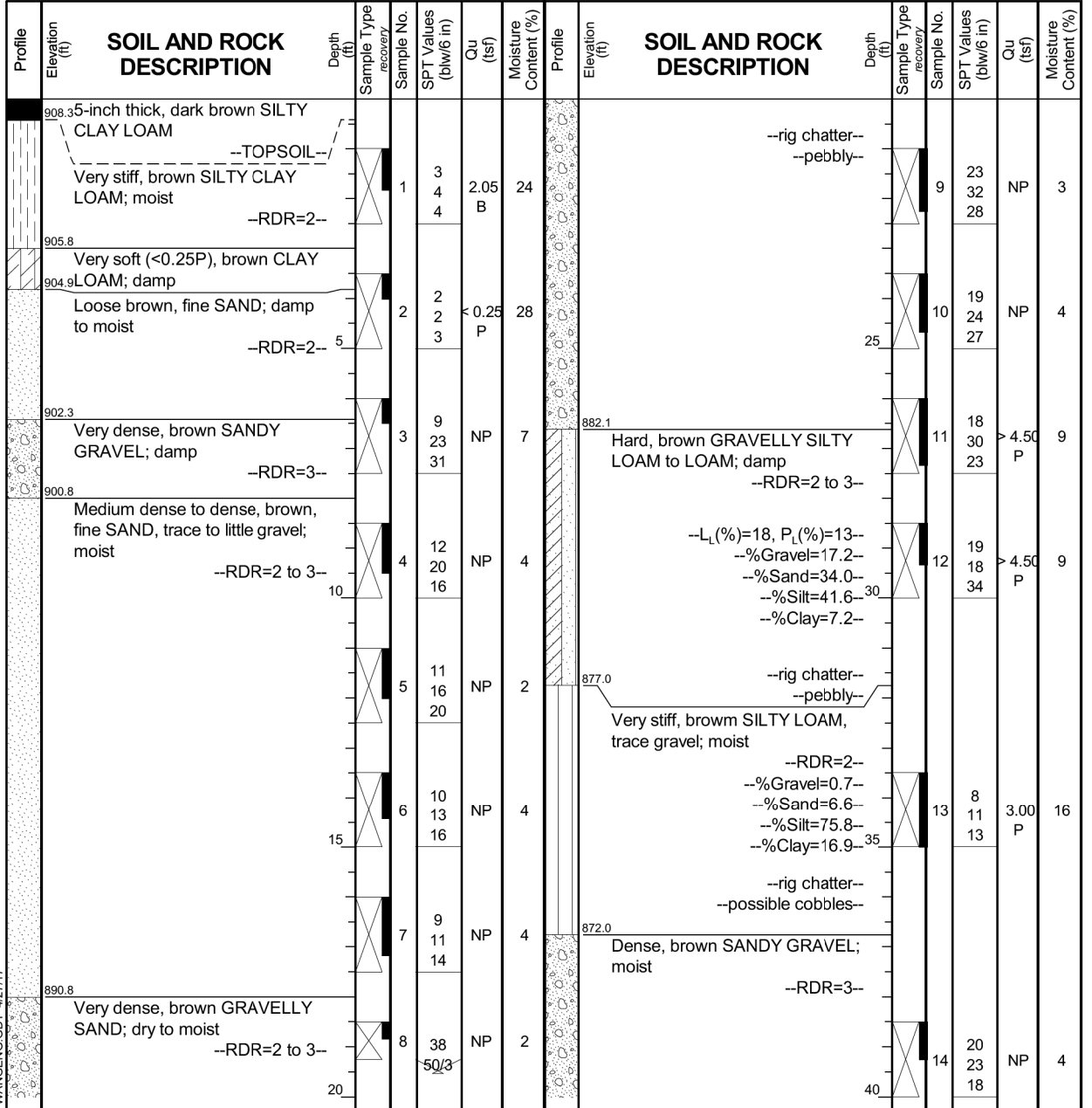
**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG 25RWB-3**  
 WEI Job No.: 310-06-01

Datum: NAVD 88  
 Elevation: 908.75 ft  
 North: 1993525.08 ft  
 East: 1005145.84 ft  
 Station: 2274+57.87  
 Offset: 80.79 RT

Client: **Crawford, Murphy, & Tilly, Inc.**  
 Project: **Longmeadow Parkway**  
 Location: **Kane County, Illinois**

Page 1 of 2



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-06-2017	Complete Drilling	04-06-2017	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 ATV	At Completion of Drilling	▼	DRY	
Driller	K&N	Logger	J. Rowells	Time After Drilling		NA	
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method	3.25" HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

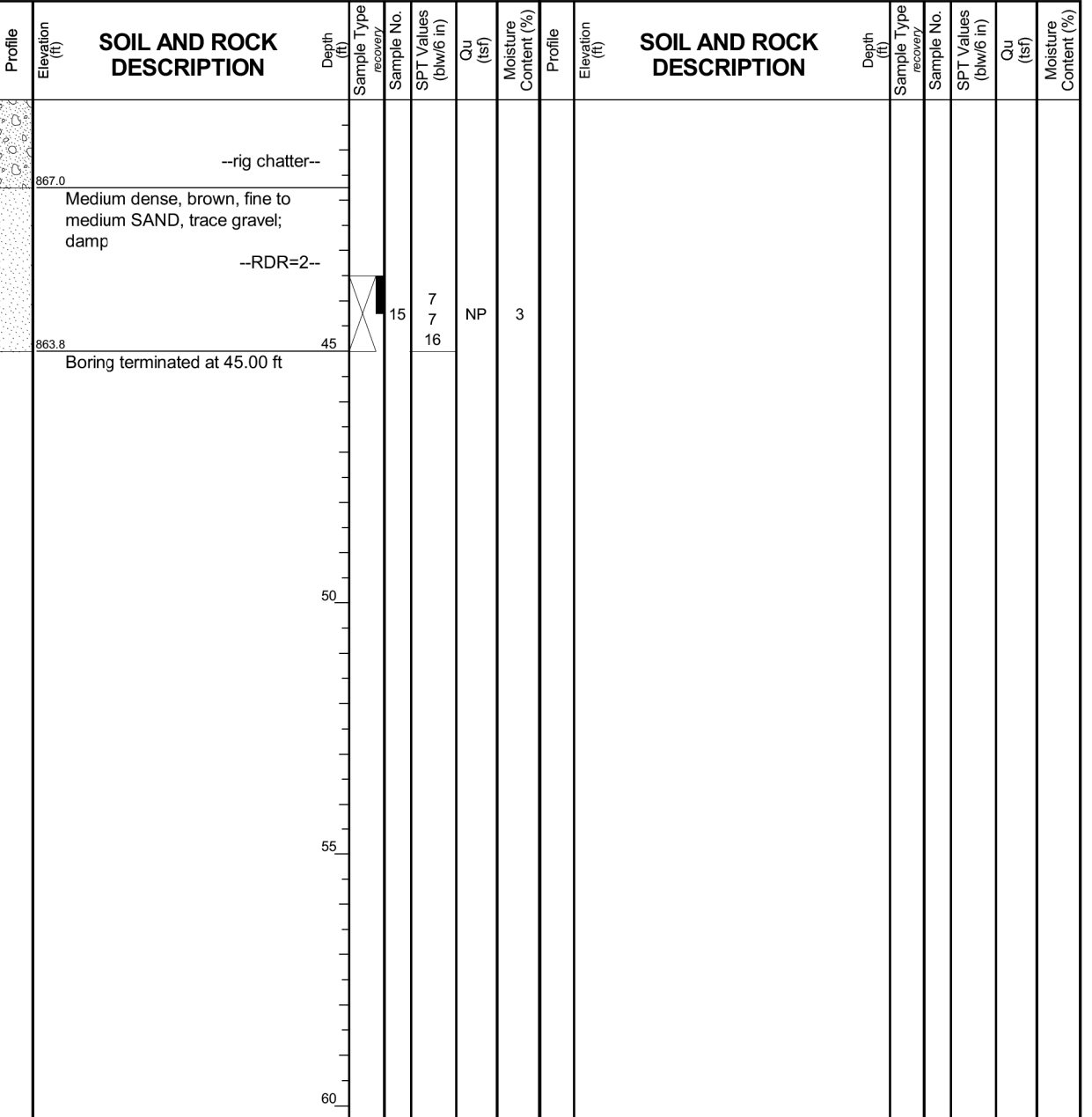
**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG 25RWB-3**  
 WEI Job No.: 310-06-01

Datum: NAVD 88  
 Elevation: 908.75 ft  
 North: 1993525.08 ft  
 East: 1005145.84 ft  
 Station: 2274+57.87  
 Offset: 80.79 RT

Client: **Crawford, Murphy, & Tilly, Inc.**  
 Project: **Longmeadow Parkway**  
 Location: **Kane County, Illinois**

Page 2 of 2



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-06-2017	Complete Drilling	04-06-2017	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 ATV	At Completion of Drilling	▼	DRY	
Driller	K&N	Logger	J. Rowells	Time After Drilling		NA	
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method	3.25" HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

**CMT**  
 License No. 184-000613

USER NAME = Prabh Ananthan	DESIGNED - CPB	REVISED -
PLOT SCALE = 2.000' / in.	DRAWN - DH	REVISED -
PLOT DATE = 9/6/2018	CHECKED - PA	REVISED -
	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**BORING LOG - III**  
**STRUCTURE NO. 045-F034**

SCALE: SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	130

CONTRACT NO. 61F04  
 ILLINOIS FED. AID PROJECT

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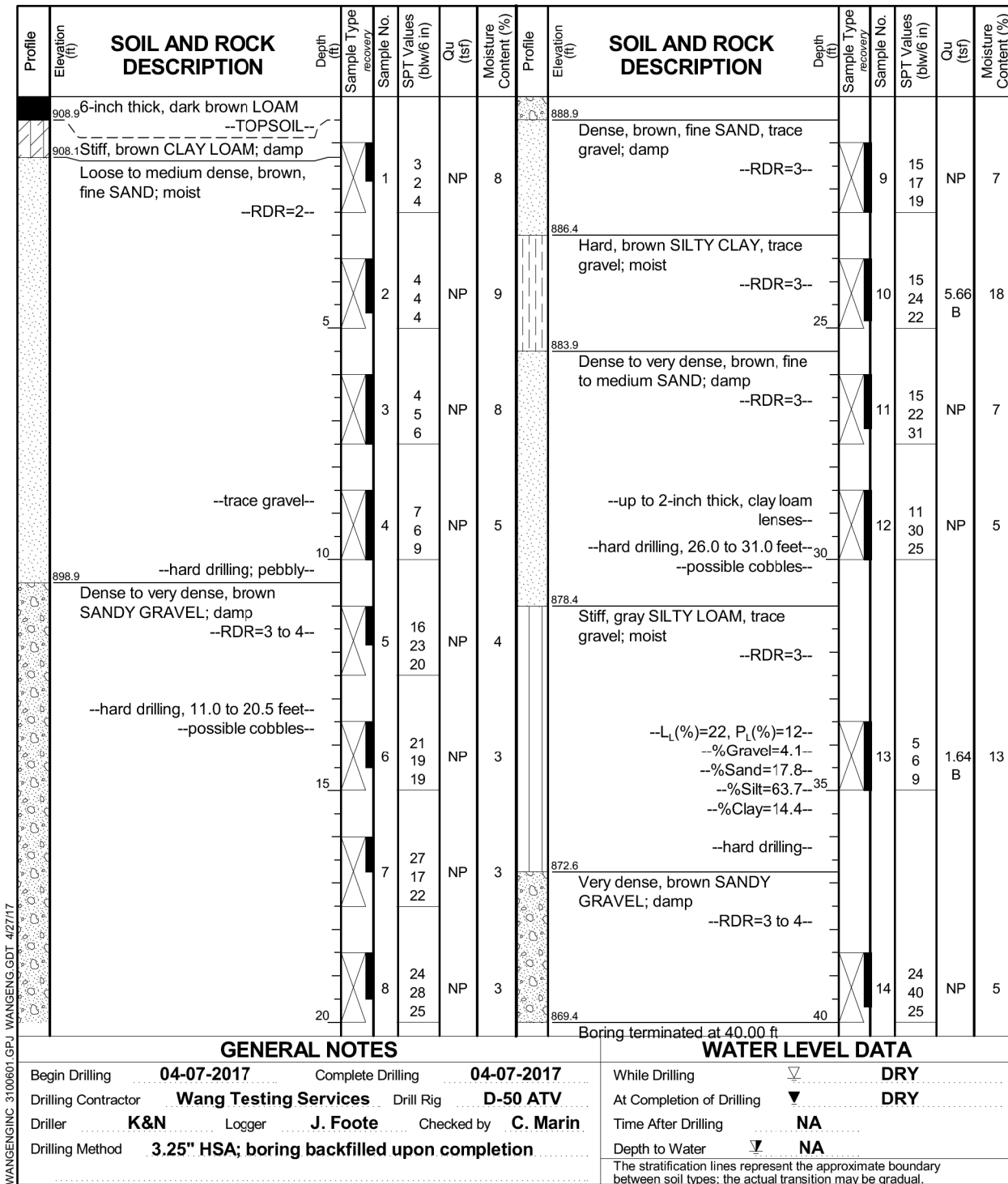
### BORING LOG 25RWB-4

Page 1 of 1

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Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

WEI Job No.: 310-06-01  
Client: **Crawford, Murphy, & Tilly, Inc.**  
Project: **Longmeadow Parkway**  
Location: **Kane County, Illinois**

Datum: NAVD 88  
Elevation: 909.37 ft  
North: 1993556.17 ft  
East: 1005252.31 ft  
Station: 2275+60.77  
Offset: 72.56 RT



WANGENG INC 3100601.GPJ WANGENG.GDT 4/27/17

FILE NAME: E:\proj\contengr\pk-bentley\commint\projects\Documents\Projects\KaneCO\13236-02\Drawings\Bridge\CAD\Sheets\045-F034-Retaining Wall\Section\str-Solder-Pile Retaining Wall.12.cmt.dgn



USER NAME = Prabhu Ananthan  
PLOT SCALE = 2.0001' / in.  
PLOT DATE = 9/6/2018

DESIGNED - CPB  
DRAWN - DH  
CHECKED - PA  
DATE - 9/6/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

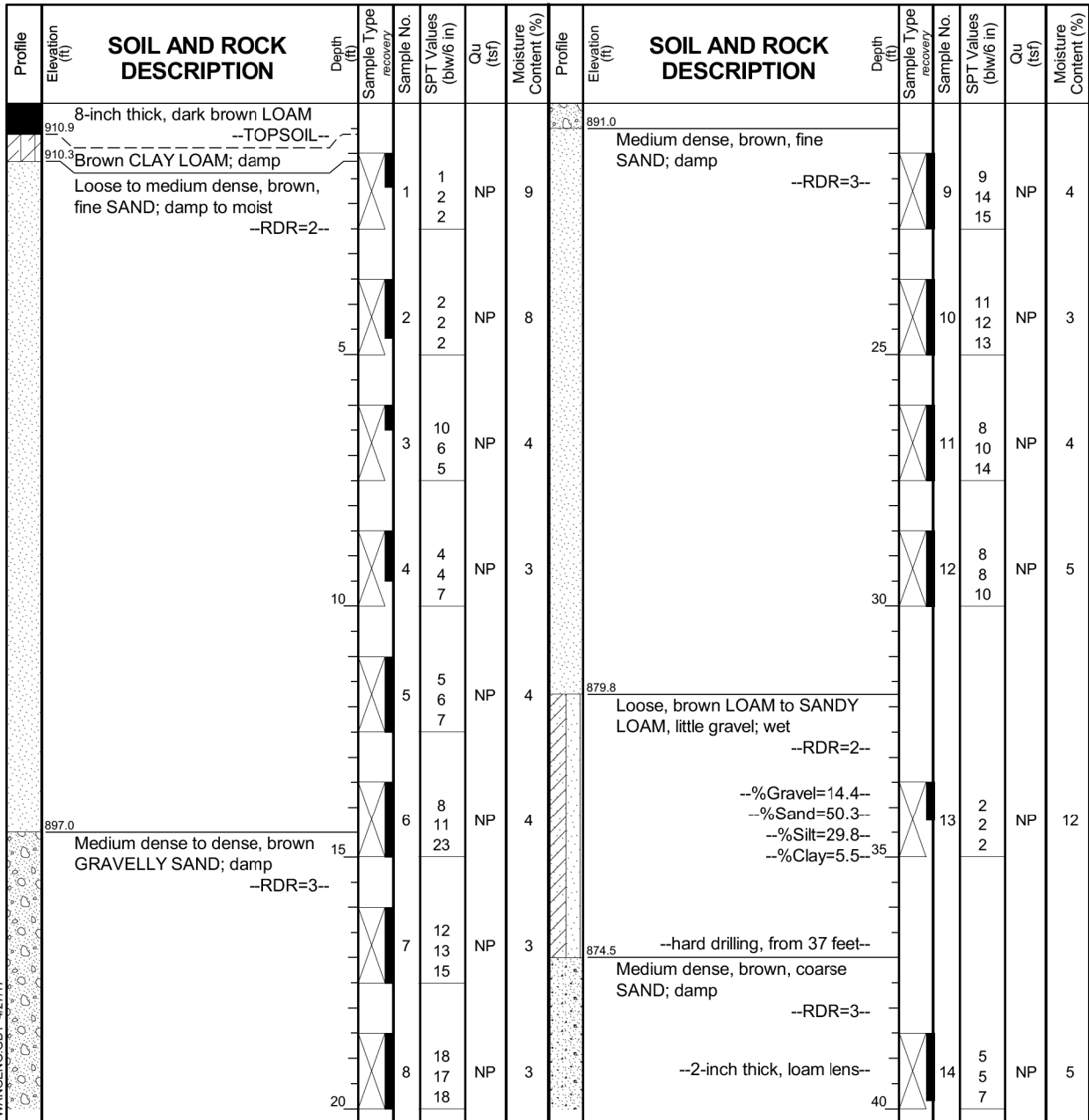
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOG - IV  
STRUCTURE NO. 045-F034

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

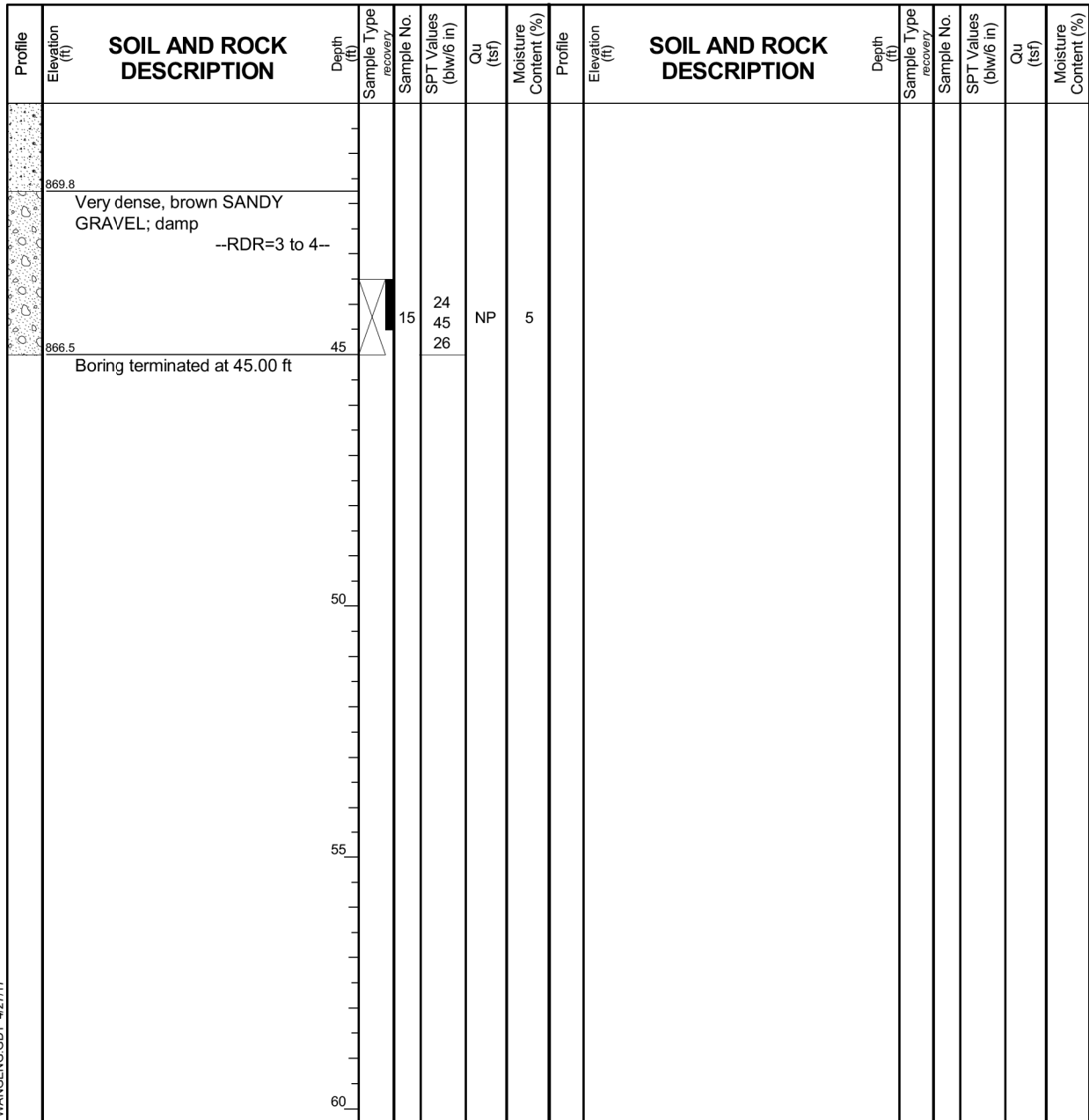
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	131
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT



GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	04-07-2017	Complete Drilling	04-07-2017	While Drilling	▼ DRY
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 ATV	At Completion of Drilling	▼ DRY
Driller	K&N	Logger	J. Foote	Time After Drilling	NA
Checked by	C. Marin	Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	04-07-2017	Complete Drilling	04-07-2017	While Drilling	▼ DRY
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 ATV	At Completion of Drilling	▼ DRY
Driller	K&N	Logger	J. Foote	Time After Drilling	NA
Checked by	C. Marin	Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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USER NAME	= Prabu Ananthan	DESIGNED	- CPB	REVISED	-
DRAWN	- DH	CHECKED	- PA	REVISED	-
DATE	- 9/6/2018				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOG - V  
STRUCTURE NO. 045-F034

SCALE: SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	132
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F04	



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# BORING LOG 25RWB-6

Page 1 of 1

WEI Job No.: 310-06-01

Client: **Crawford, Murphy, & Tilly, Inc.**  
 Project: **Longmeadow Parkway**  
 Location: **Kane County, Illinois**

Datum: NAVD 88  
 Elevation: 904.50 ft  
 North: 1993586.50 ft  
 East: 1005346.39 ft  
 Station: 2276+52.40  
 Offset: 81.41 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
903.7	10-inch thick, black LOAM --TOPSOIL--							884.0	Dense, brown SANDY GRAVEL; damp						
	Medium stiff, dark brown to brown CLAY to SILTY CLAY; moist --RDR=2--			1	2 2 4	0.98 B	25	881.5	Medium dense, brown SANDY LOAM, little gravel; moist --RDR=3--			9	16 15 15	NP	4
901.5	Stiff to very stiff, brown CLAY LOAM to SILTY CLAY LOAM, trace gravel; moist --RDR=2--			2	2 2 4	3.28 B	26	879.0	Medium dense to dense, brown SANDY GRAVEL; damp --RDR=3 to 4--			10	12 11 13	NP	12
	--L <sub>L</sub> (%)=42, P <sub>L</sub> (%)=18-- --%Gravel=2.8-- --%Sand=22.9-- --%Silt=47.5-- --%Clay=26.8--			3	4 5 6	1.50 P	25					11	10 14 13	NP	2
896.5	Medium dense, brown SANDY GRAVEL; damp --RDR=3--			4	5 5 6	NP	4	874.5	Boring terminated at 30.00 ft			12	13 16 18	NP	3
	--hard drilling, 7.0 to 13.5 feet--			5	7 6 6	NP	6								
891.5	Medium dense, brown SANDY LOAM; damp --RDR=2--			6	5 5 7	NP	12								
889.0	Very stiff, brown CLAY LOAM to SILTY CLAY LOAM --few silt lenses--			7	3 4 10	2.54 B	16								
886.5	--hard drilling, 17.5 to 28.5 feet-- --possible cobbles--			8	11 11 9	NP	10								
	Medium dense, brown GRAVELLY LOAM; damp --RDR=3--														

WANGENGINC 3100601.GPJ WANGENG.GDT 4/27/17

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-10-2017	Complete Drilling	04-10-2017	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services		Drill Rig	▼		DRY	
Driller	K&N	Logger	J. Foote	Time After Drilling	NA		
Checked by	C. Marin		Drilling Method	▼		NA	
3.25" HSA; boring backfilled upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

FILE NAME: E:\paw\contingency\paw\contingency\projects\Documents\Projects\KaneCO\13236-02\Drawings\Bridges\CADD\_Sheets\045-F034\_Retaining Wall\SectionC-str-Solder-Pile Retaining Wall\_14.cmt.dgn



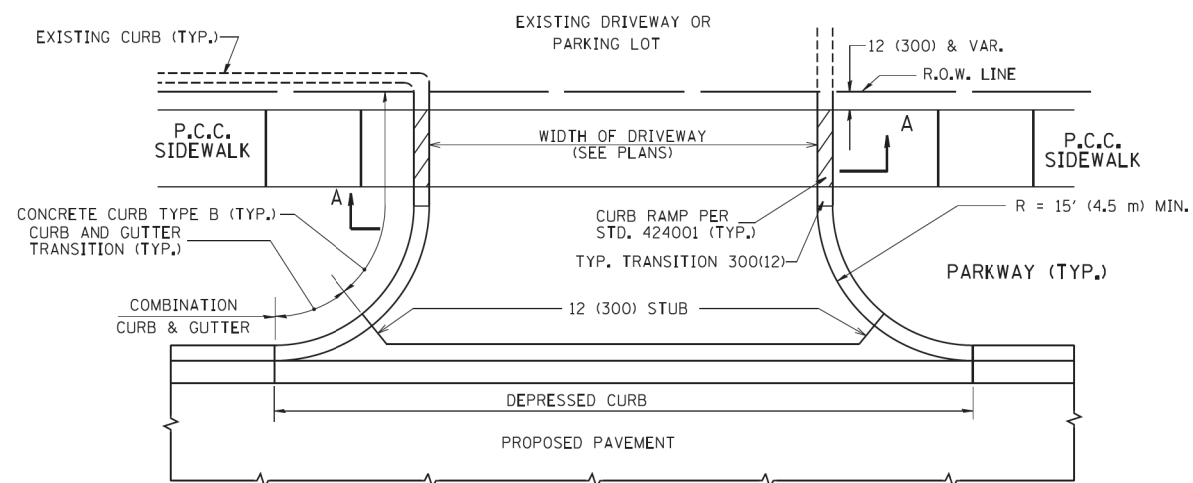
USER NAME = Prabhu Ananthan	DESIGNED - CPB	REVISED -
PLOT SCALE = 2.0001' / in.	DRAWN - DH	REVISED -
PLOT DATE = 9/6/2018	CHECKED - PA	REVISED -
	DATE - 9/6/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

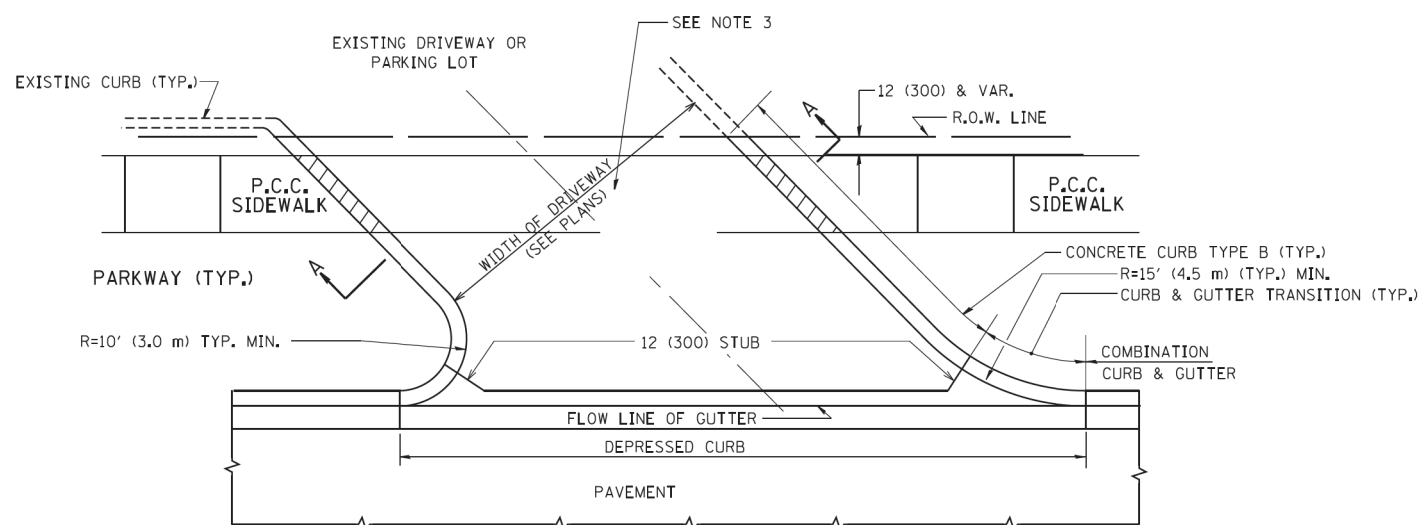
BORING LOG - VI  
 STRUCTURE NO. 045-F034

SCALE: SHEET 14 OF 14 SHEETS STA. TO STA.

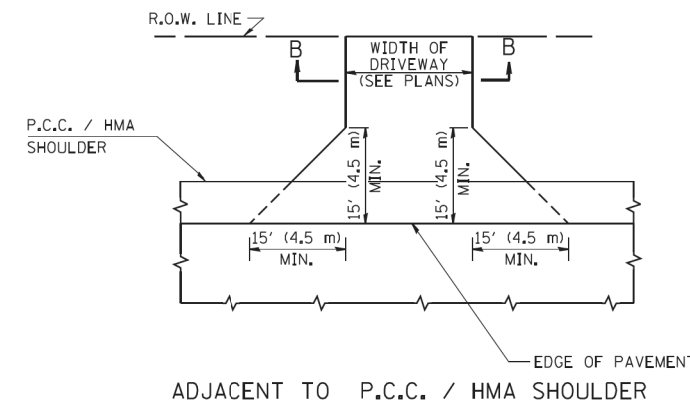
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	133
CONTRACT NO. 61F04			ILLINOIS FED. AID PROJECT	



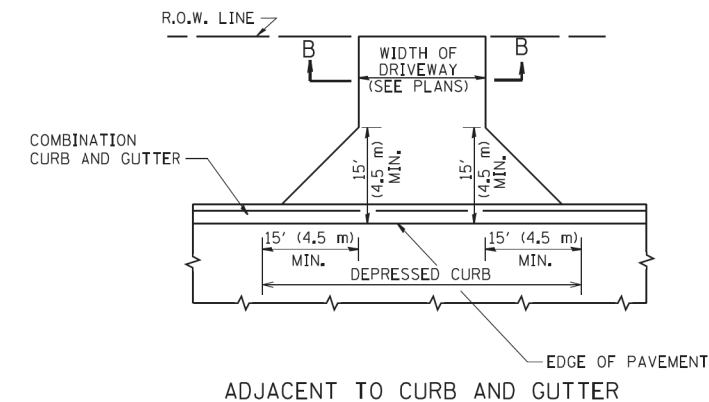
WITH CONCRETE CURB, TYPE B



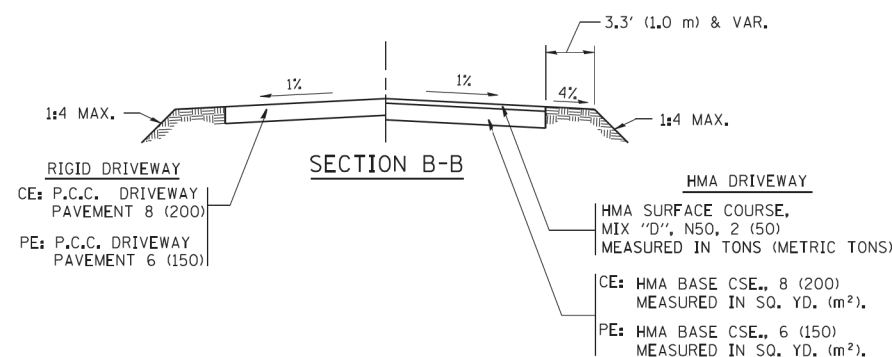
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX 'D', N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

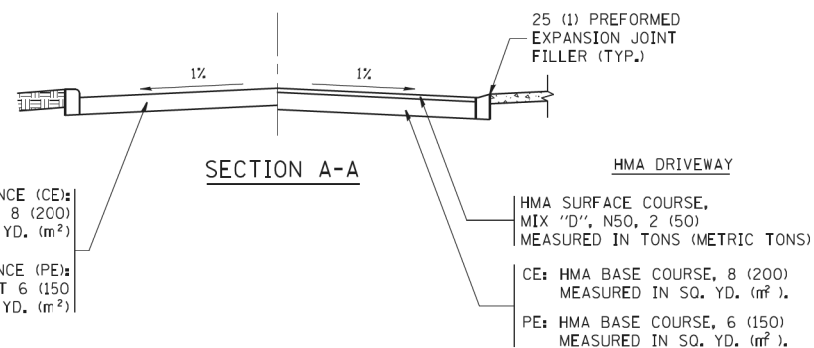
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



FILE NAME =	USER NAME = lleyso	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
ca:\pwork\pwork\lleyso\d0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

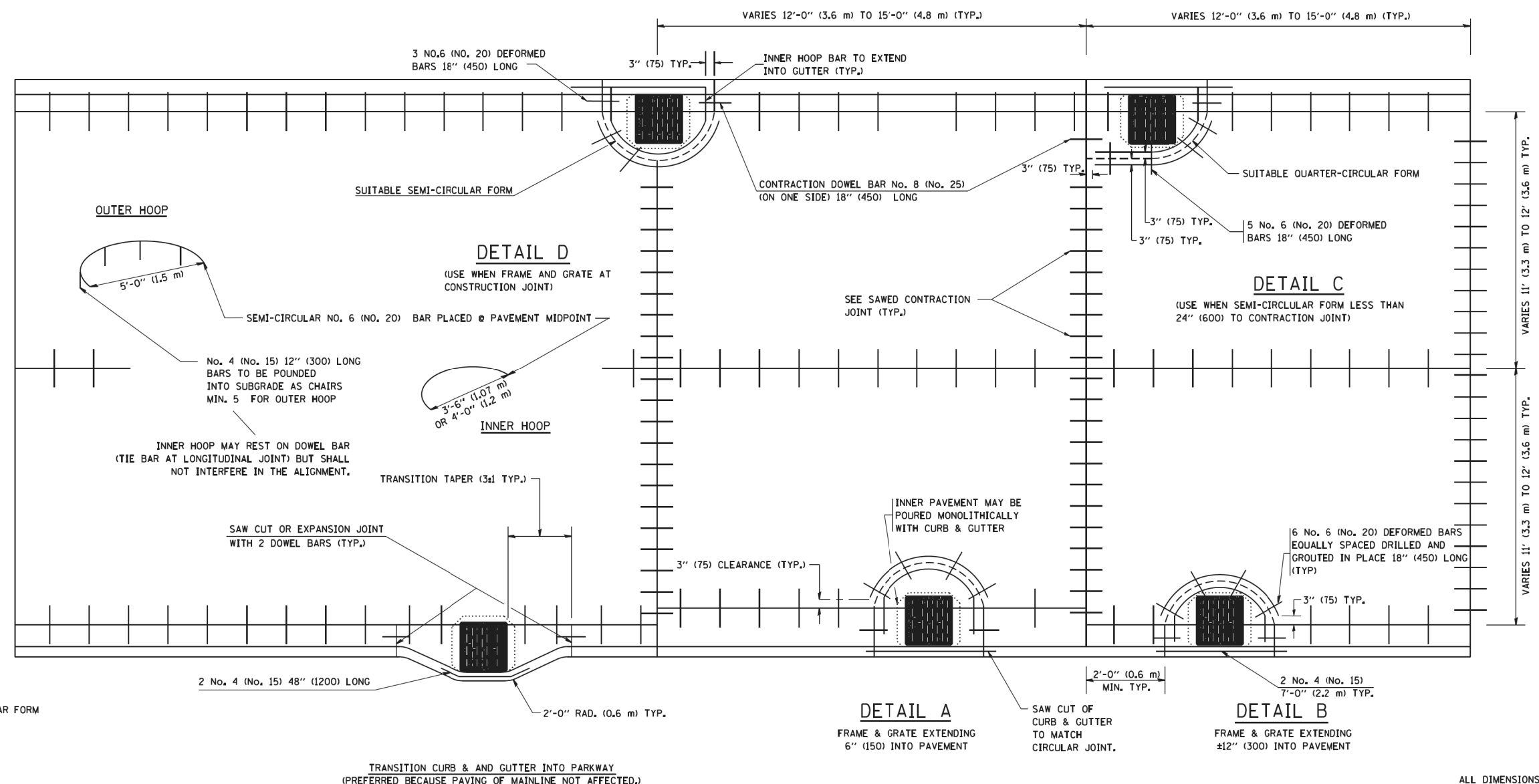
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	134
<b>BD0156-07 (BD-01)</b>		CONTRACT NO. 61F04		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

**DESIGNER NOTE:**  
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"

**NOTES :**

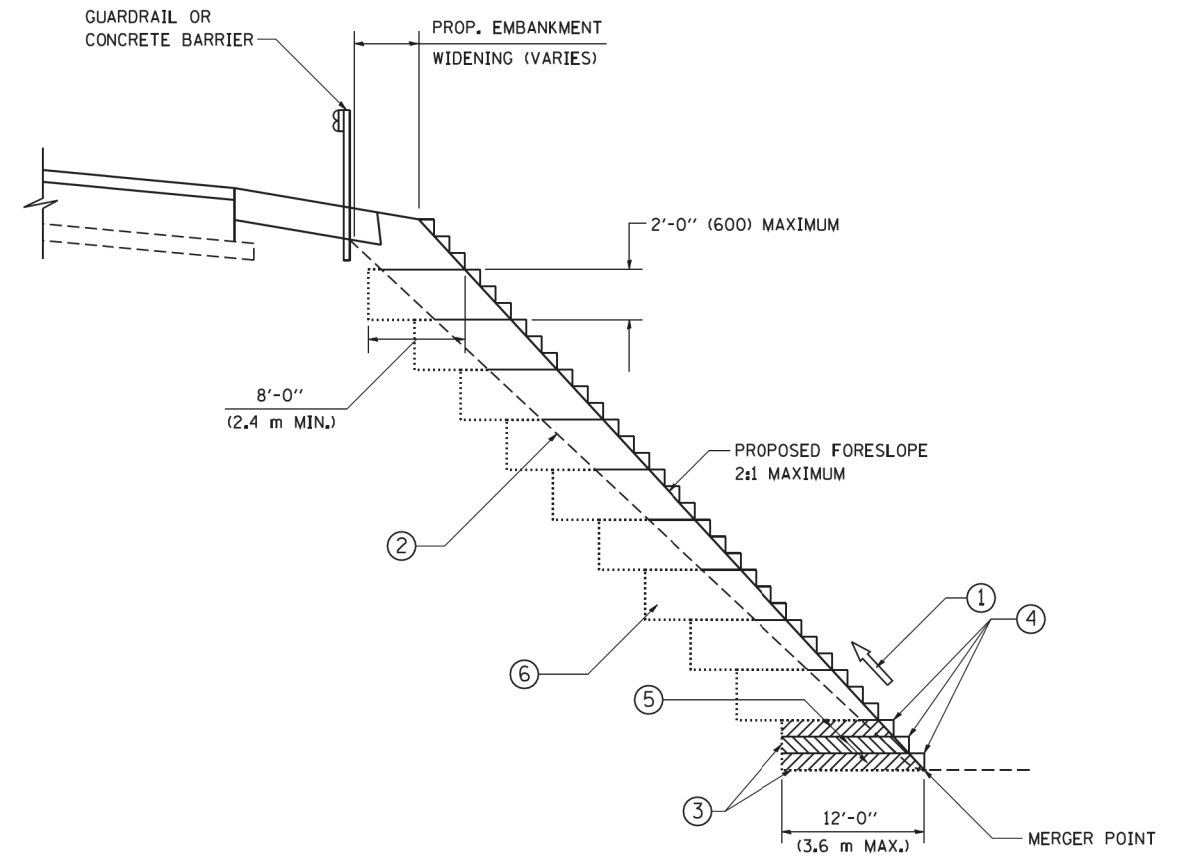
1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



**LEGEND:**  
 ..... CASTING  
 - - - - - SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

FILE NAME = W:\diststd\22x34\bd48.dgn	USER NAME = geglano	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2298	18-00215-22-CH	KANE	195	135
		CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02						<b>BD-48</b>		CONTRACT NO. 61F04		
		DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gegl1enobt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

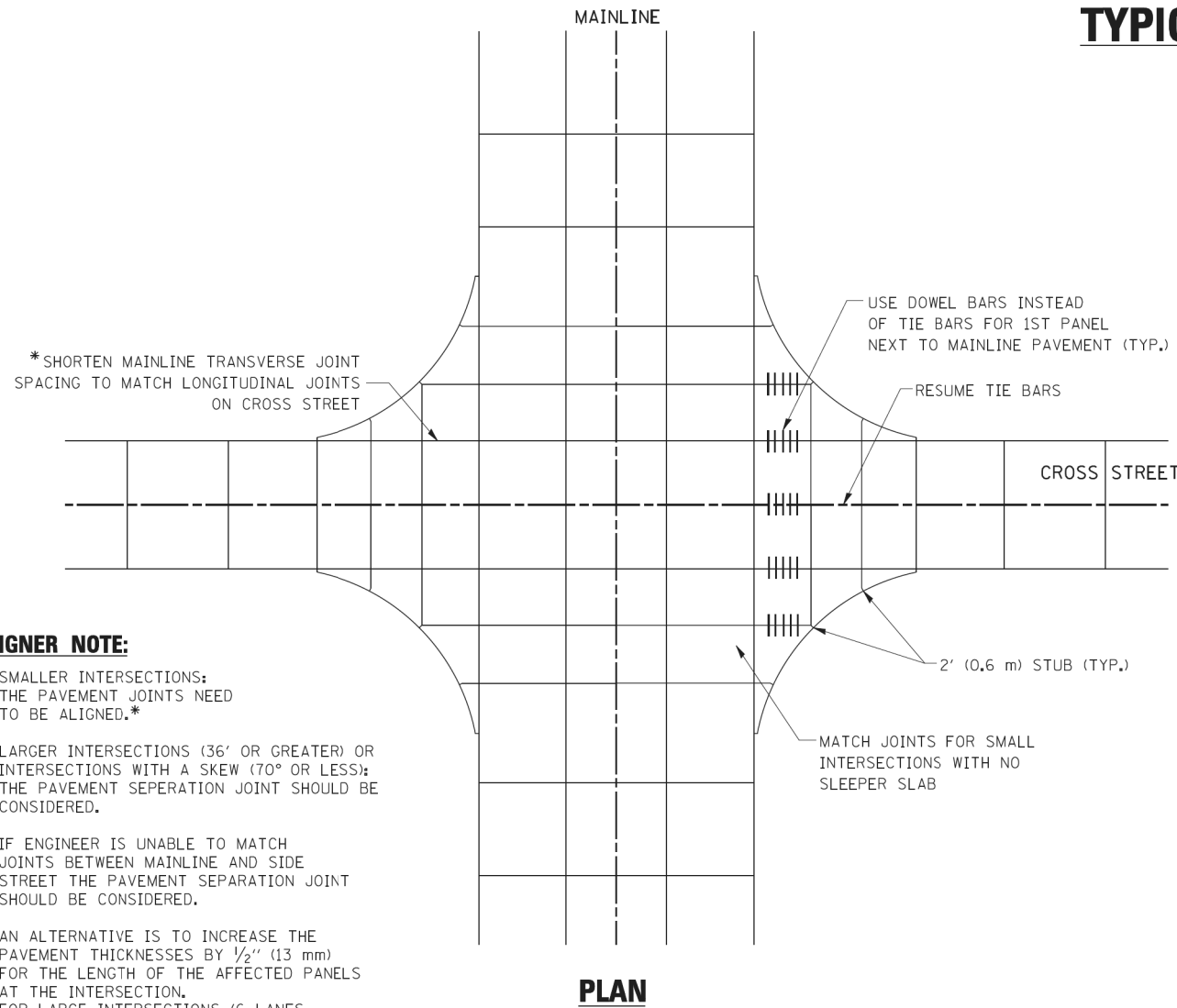
<b>BENCHING DETAIL FOR EMBANKMENT WIDENING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	136
<b>BD-51</b>		<b>CONTRACT NO. 61F04</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



# TYPICAL APPLICATION

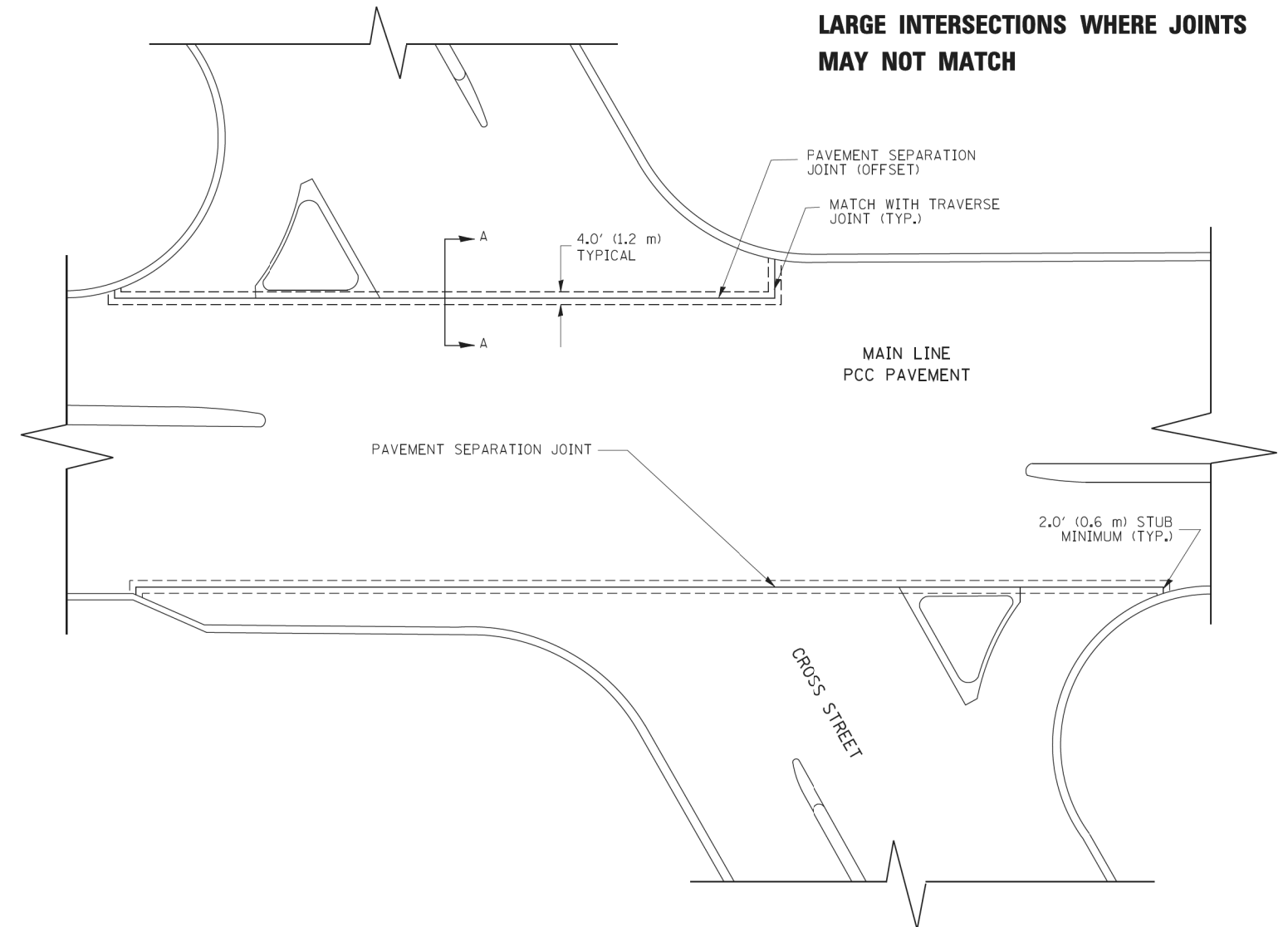
**THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH**



**PLAN**

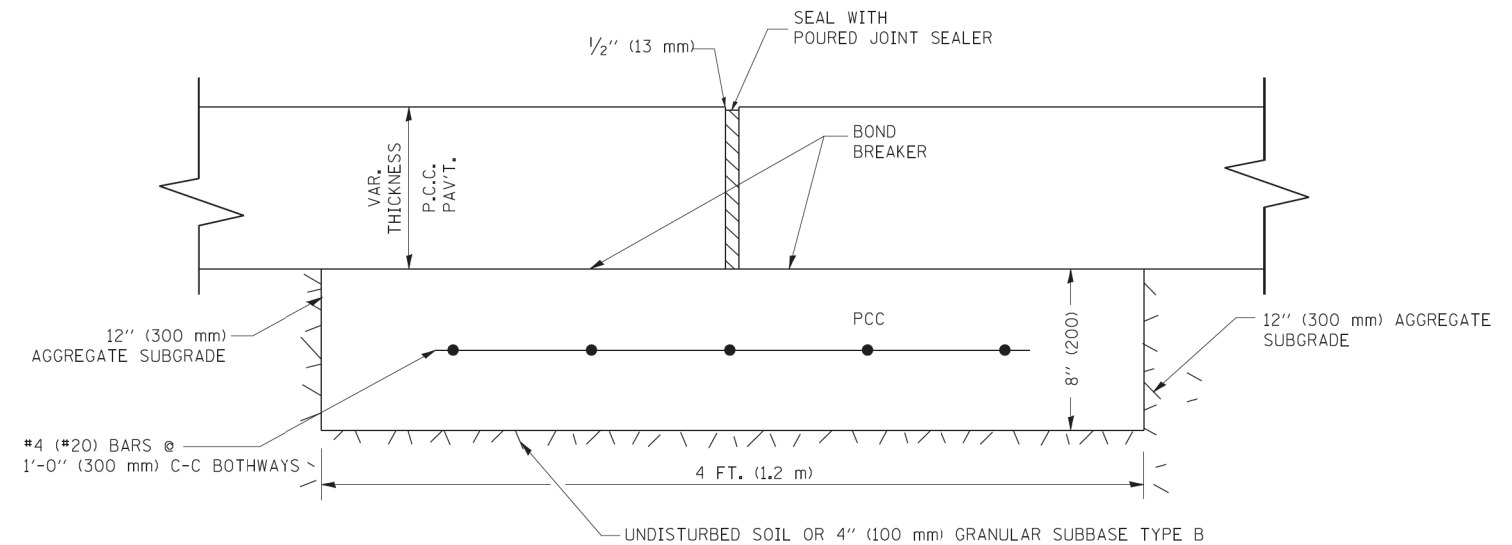
**DESIGNER NOTE:**

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.\*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPERATION JOINTS USED.



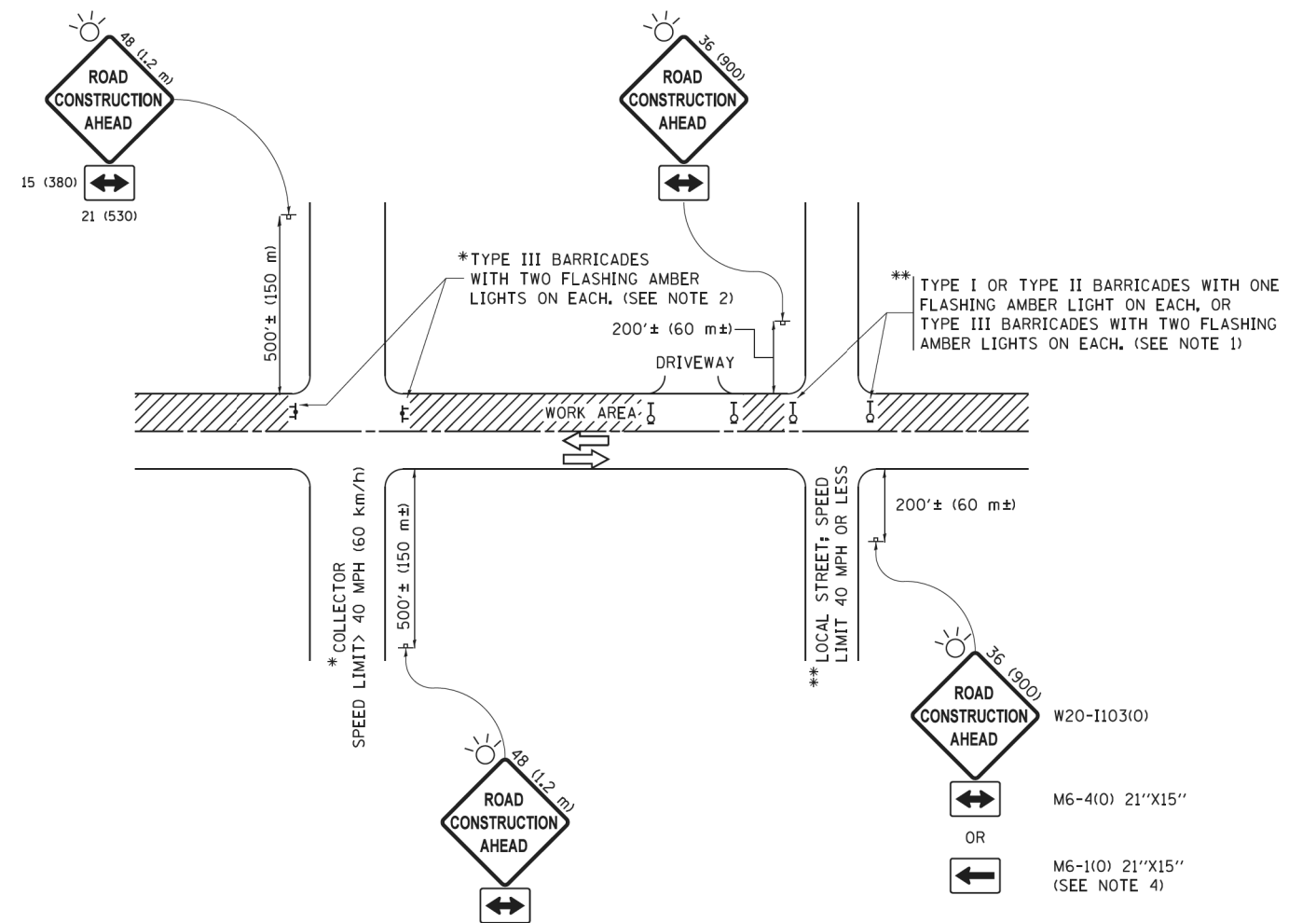
**NOTE:**

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



**PROPOSED SECTION A-A**

FILE NAME = bd52.dgn	USER NAME = luyso	DESIGNED - DRAWN -	REVISED - CADD 06-18-10 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS</b>			F.A.U. RTE. 2298	SECTION 18-00215-22-CH	COUNTY KANE	TOTAL SHEETS 195	SHEET NO. 137
PLOT SCALE = 49.9999' / IN. PLOT DATE = 2/25/2011	CHECKED - DATE -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	<b>BD52</b>			CONTRACT NO. 61F04		ILLINOIS FED. AID PROJECT	



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

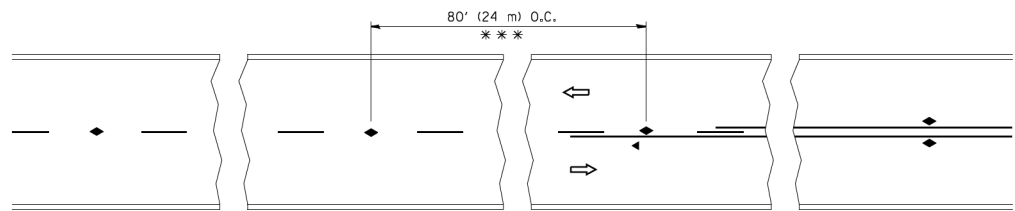
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Default	PLOT SCALE = 50.000' / in	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

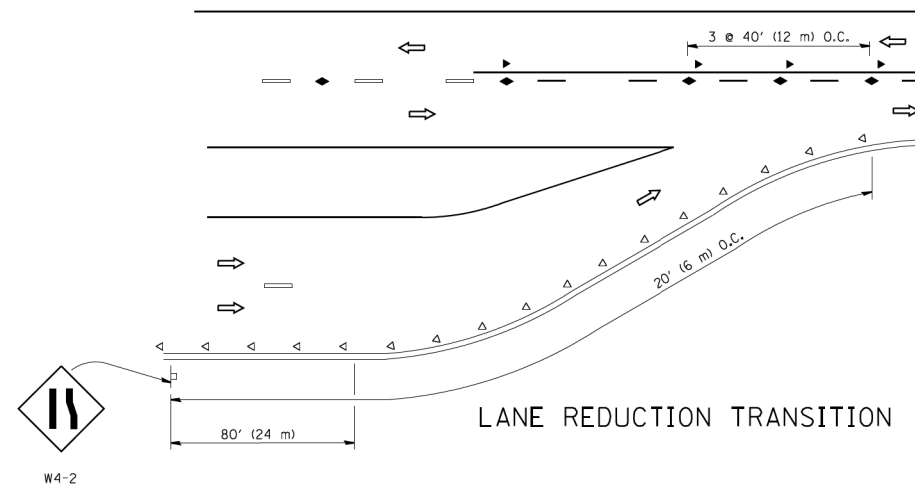
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	138
<b>TC-10</b>		<b>CONTRACT NO. 61FO4</b>		
<small>ILLINOIS FED. AID PROJECT</small>				

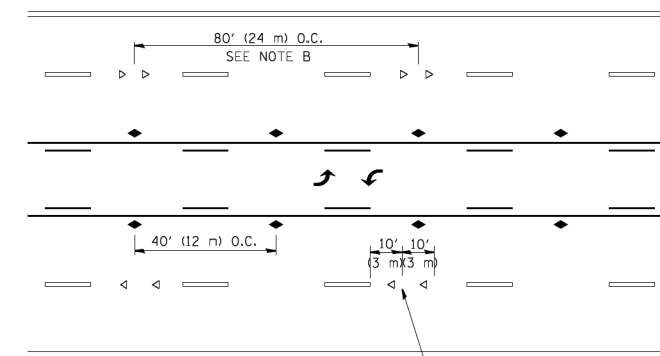


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

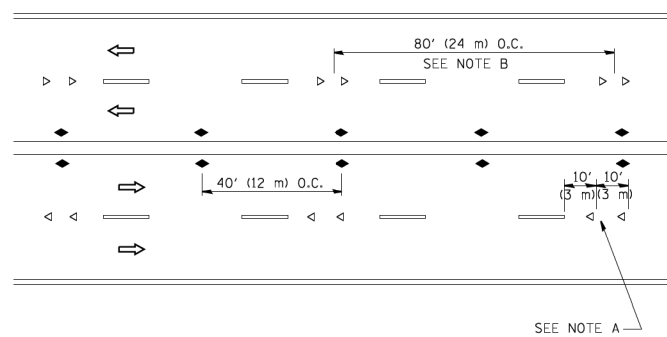
TWO-LANE/TWO-WAY



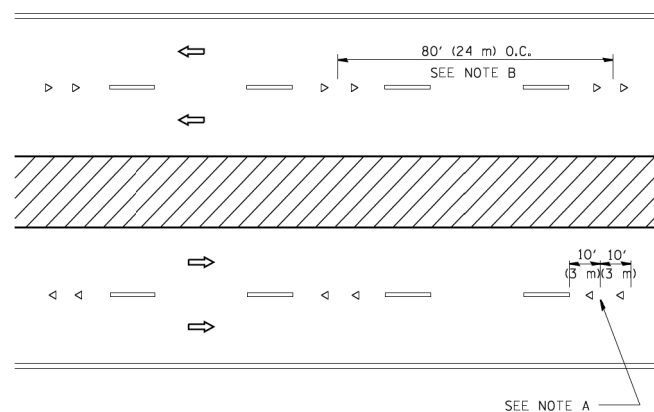
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

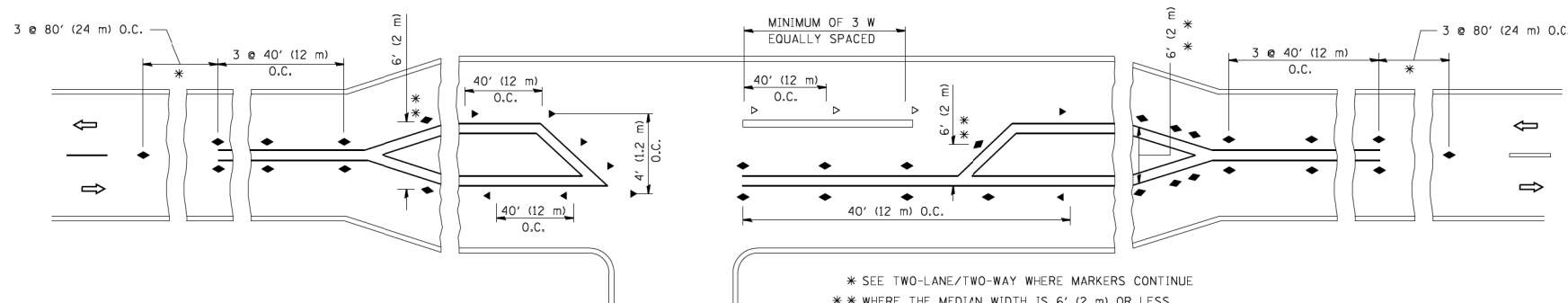
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

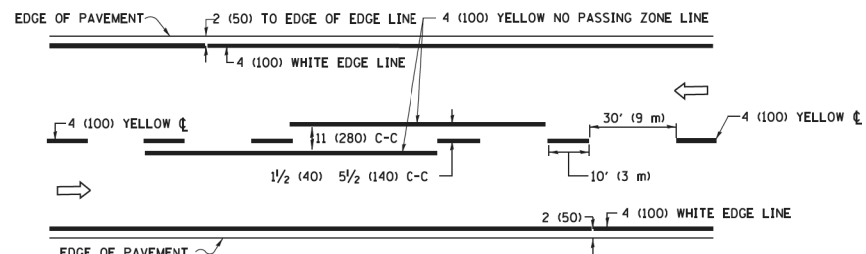
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

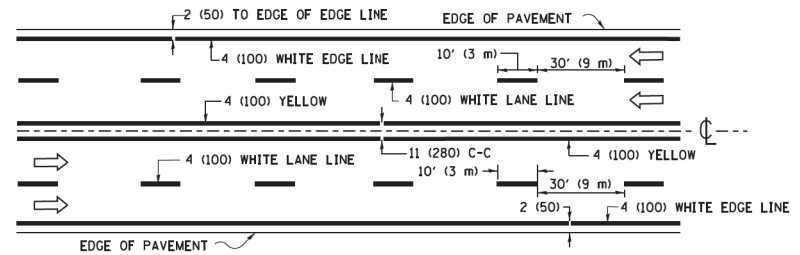
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

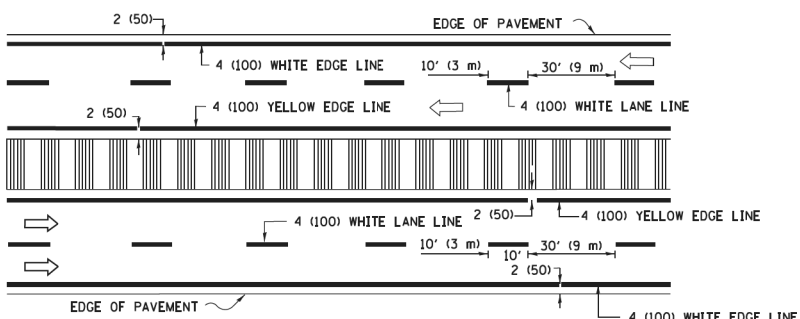
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	139
TC-11		CONTRACT NO. 61F04		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

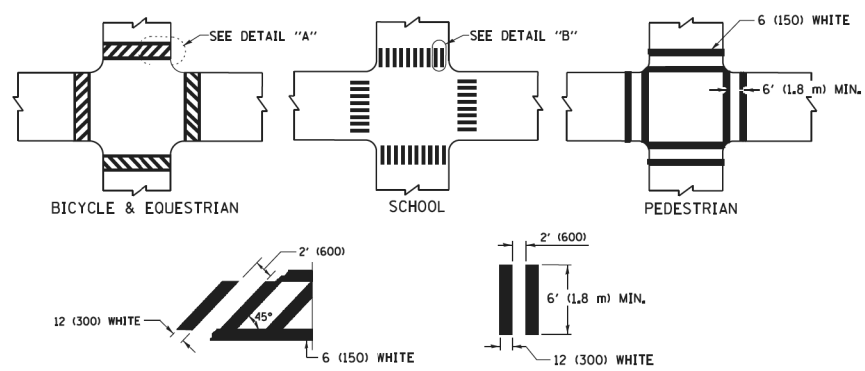


**MULTI-LANE UNDIVIDED**



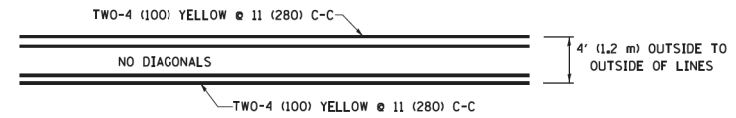
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

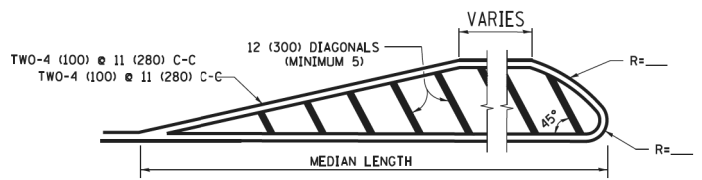


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

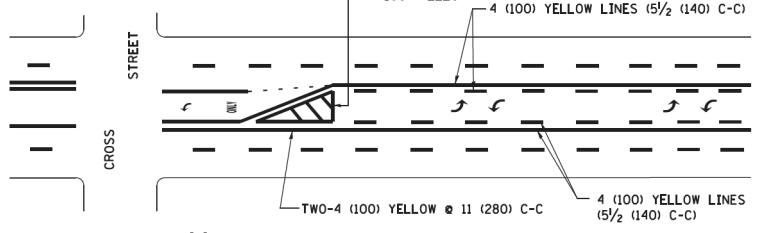


**4' (1.2 m) WIDE MEDIANS ONLY**



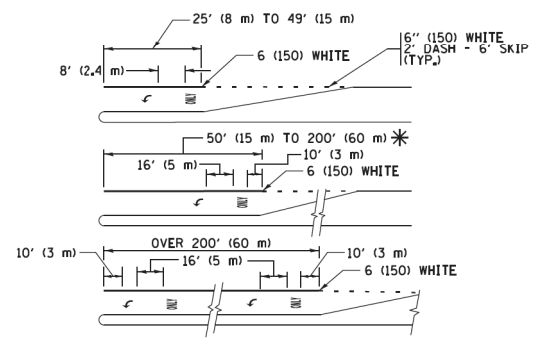
**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



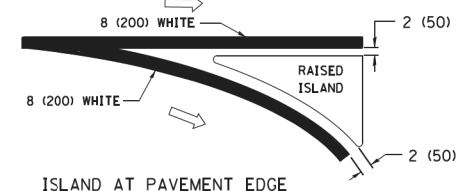
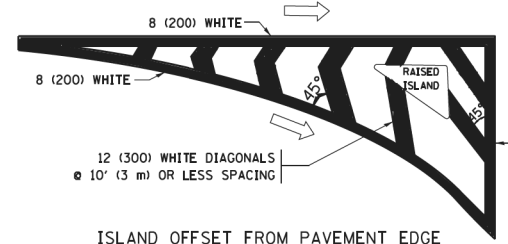
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

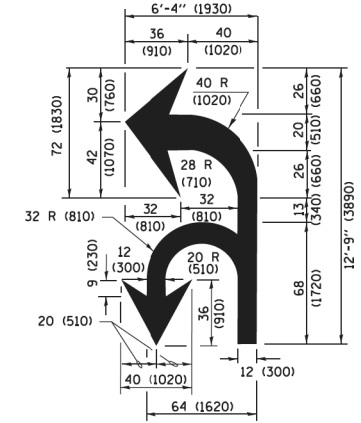


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

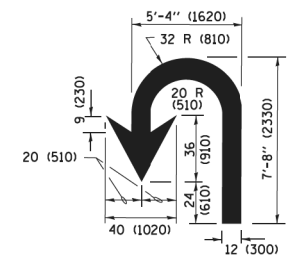
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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Default	PLOT SCALE = 50,000' / in	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

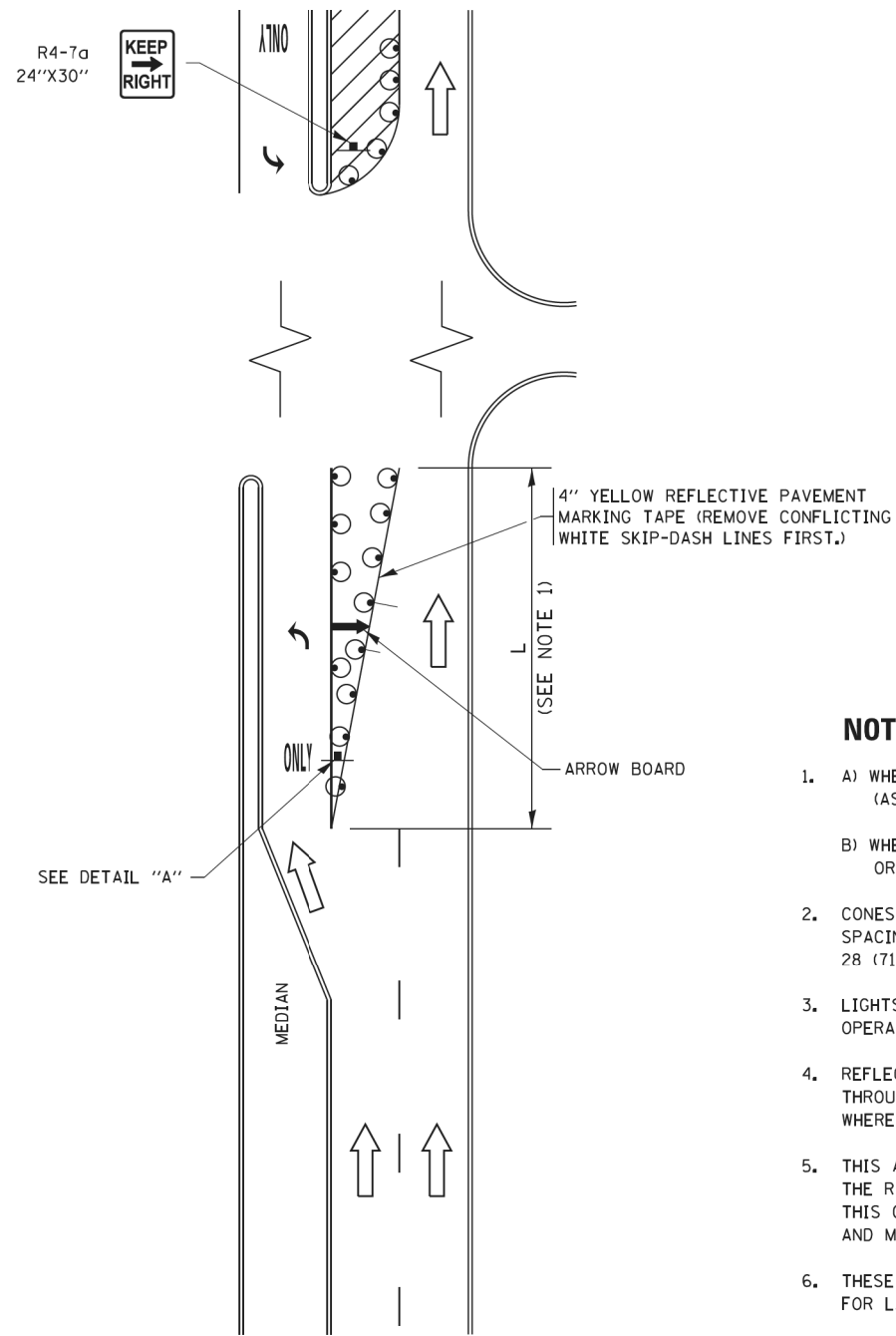
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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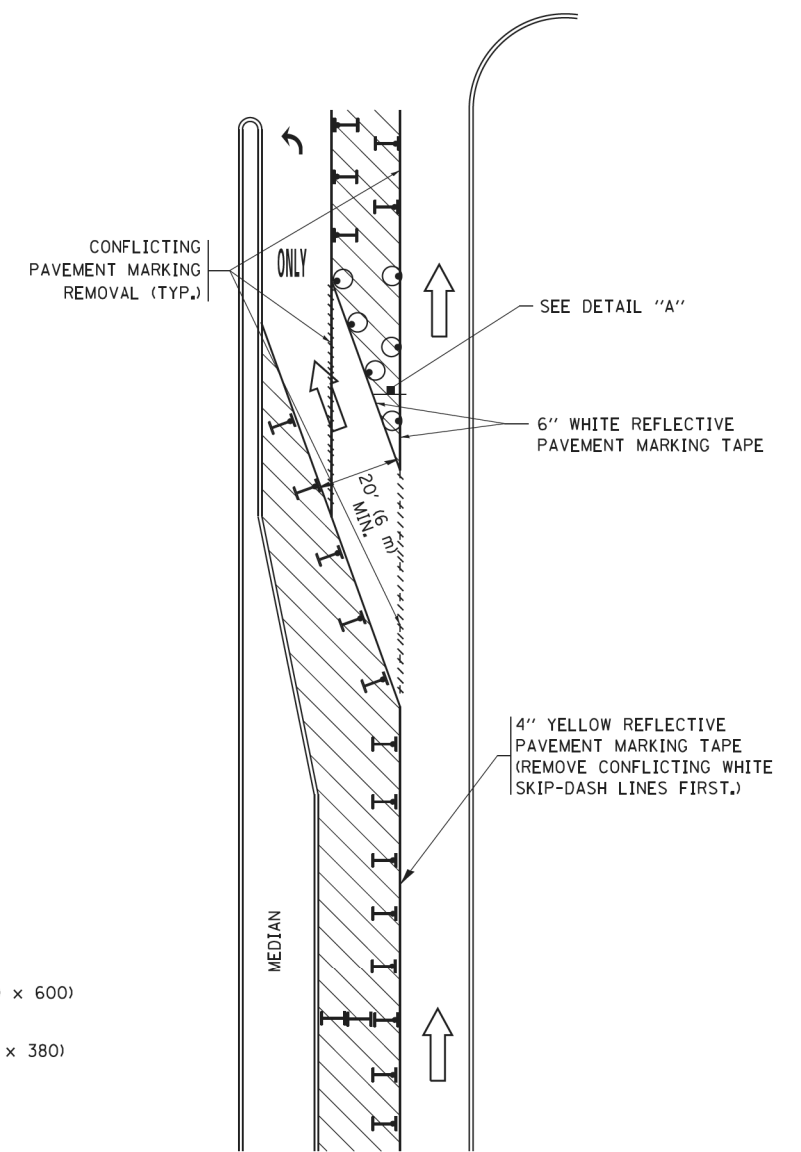
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	140
TC-13		CONTRACT NO.	61FO4	
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



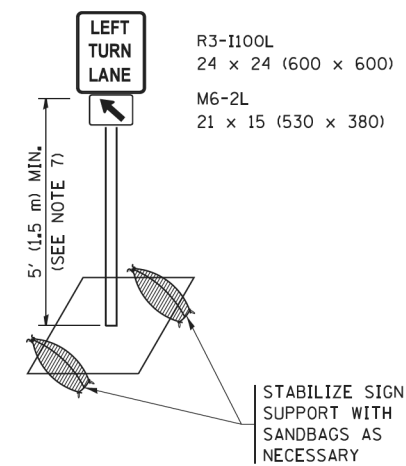
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

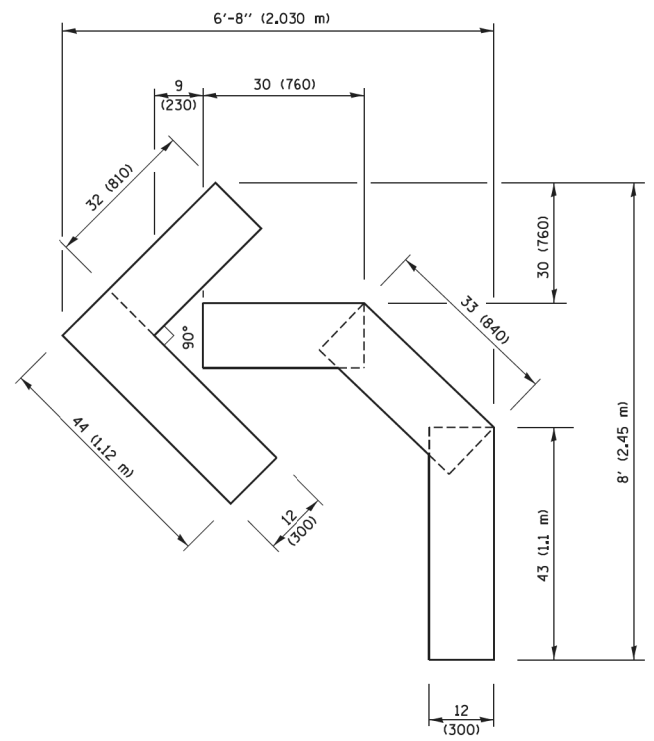
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



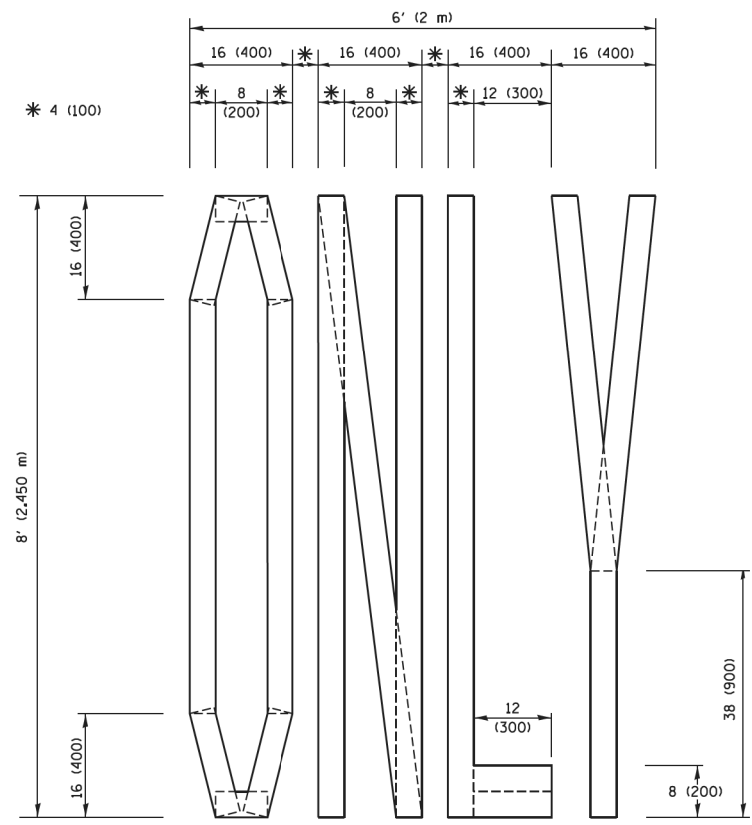
**DETAIL A**

All dimensions are in inches (millimeters) unless otherwise shown.

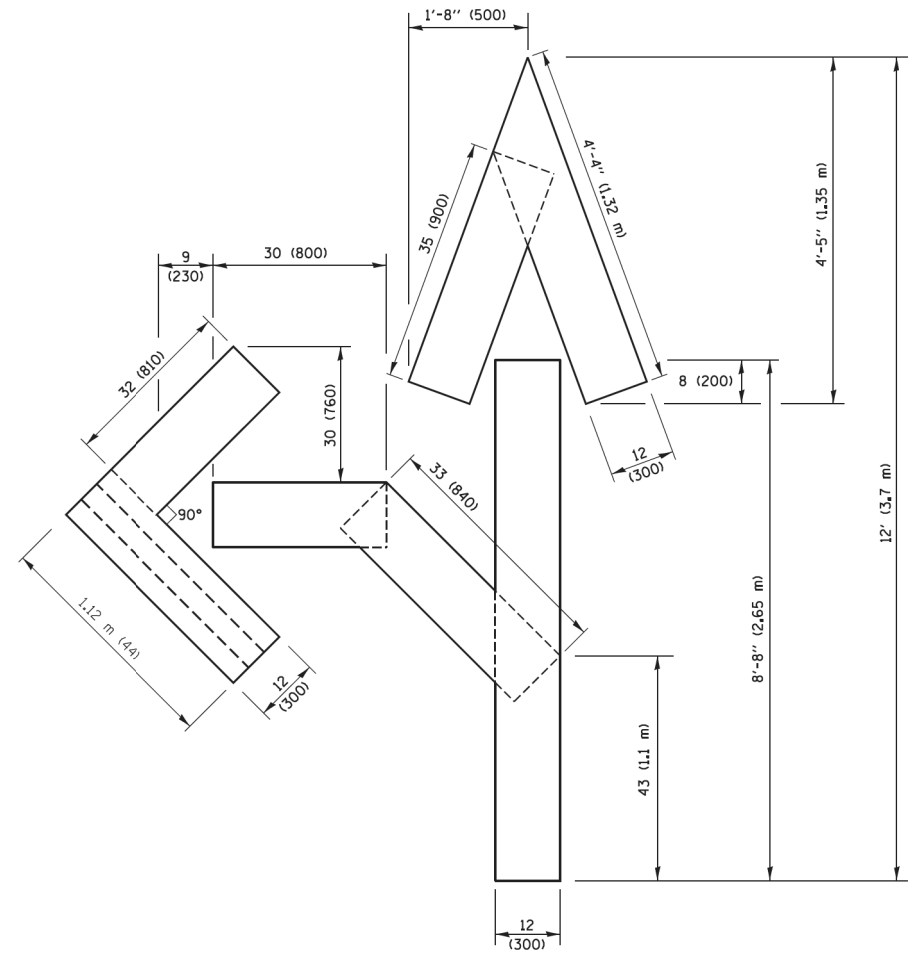
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p:\1\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\Dist 1\REVISED ADD Data\CA\HOUSE\10-07-95		REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13					2298	18-00215-22-CH	KANE	195	141
Default	PLOT SCALE = 50,0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16					<b>TC-14</b>		<b>CONTRACT NO. 61F04</b>		ILLINOIS FED. AID PROJECT
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -	SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.					



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

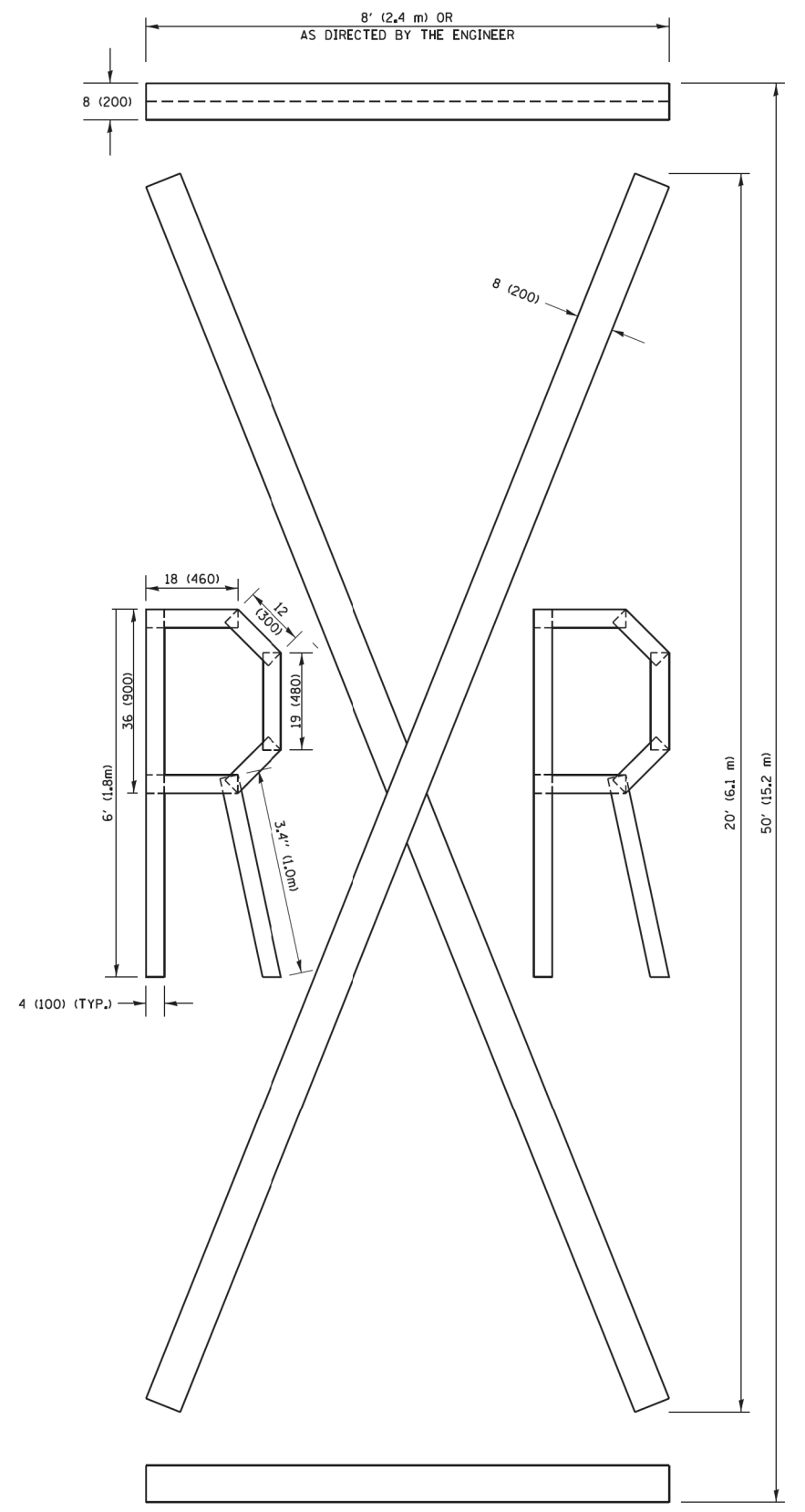


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

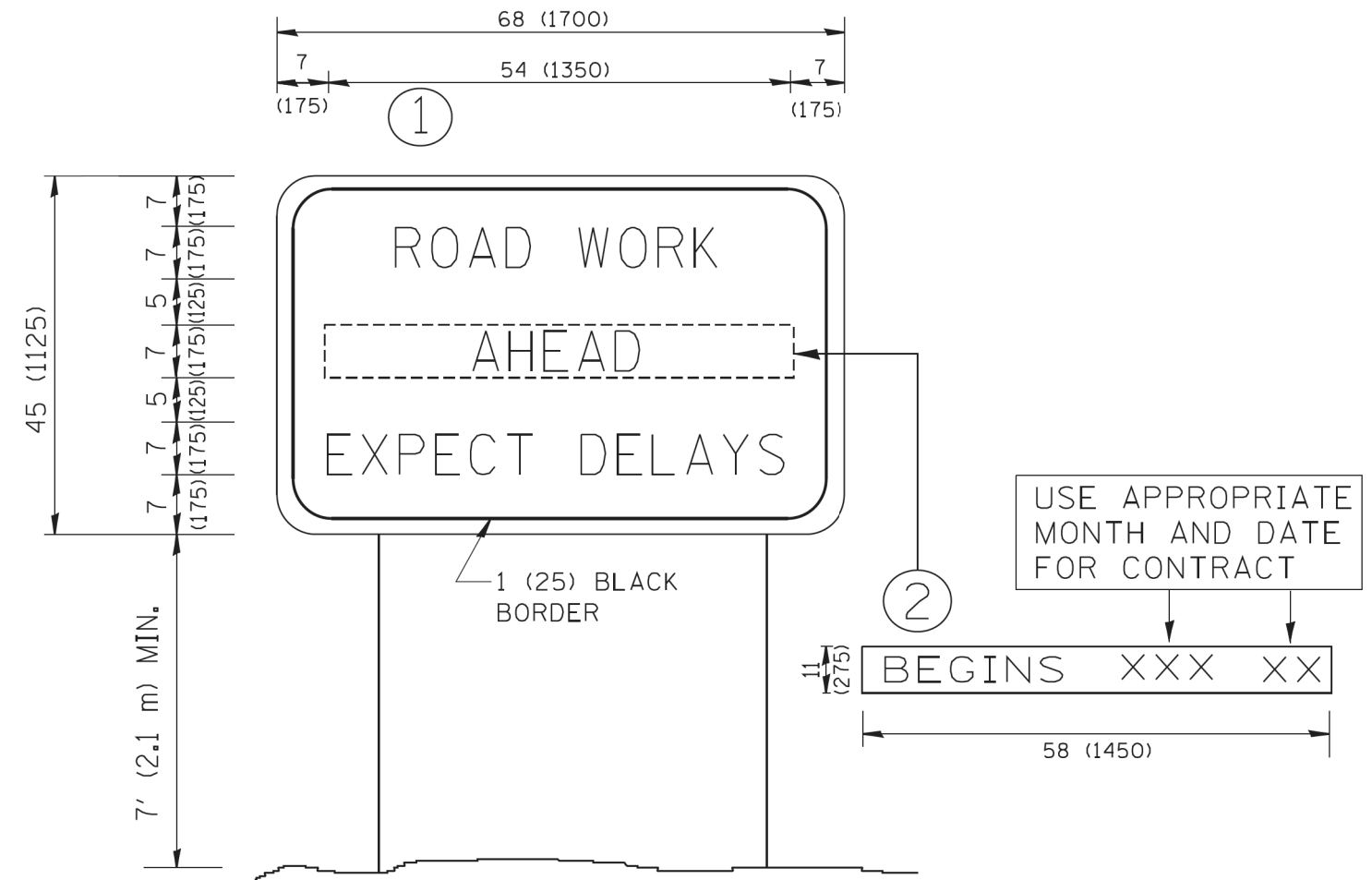
All dimensions are in Inches (millimeters) unless otherwise shown.

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PLOT SCALE = 50,0000 ' / in.		CHECKED -	REVISED -E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE -	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	142
<b>TC-16</b>		<b>CONTRACT NO. 61F04</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

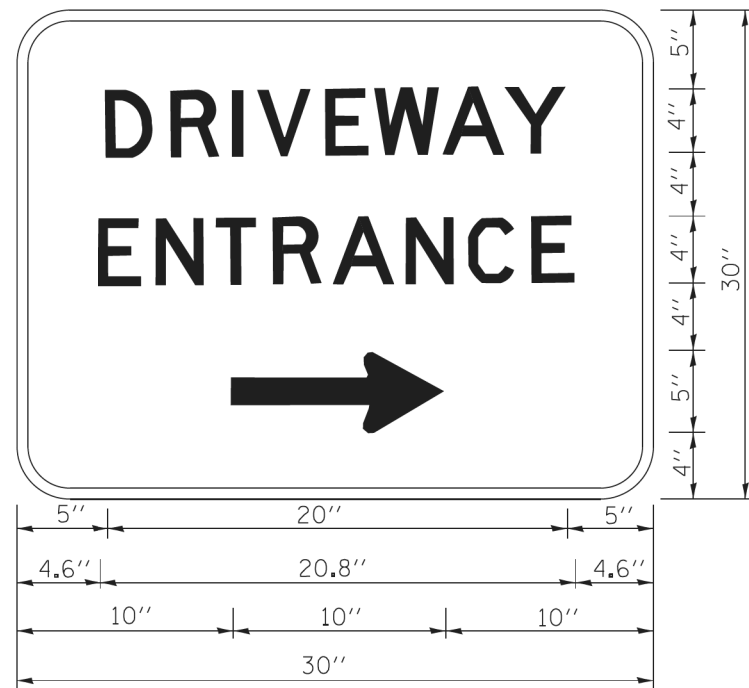
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	143
<b>TC-22</b>		<b>CONTRACT NO. 61F04</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)  
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = gaglienob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ca:\pwork\pwork\gaglienob\d0108315\to26.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

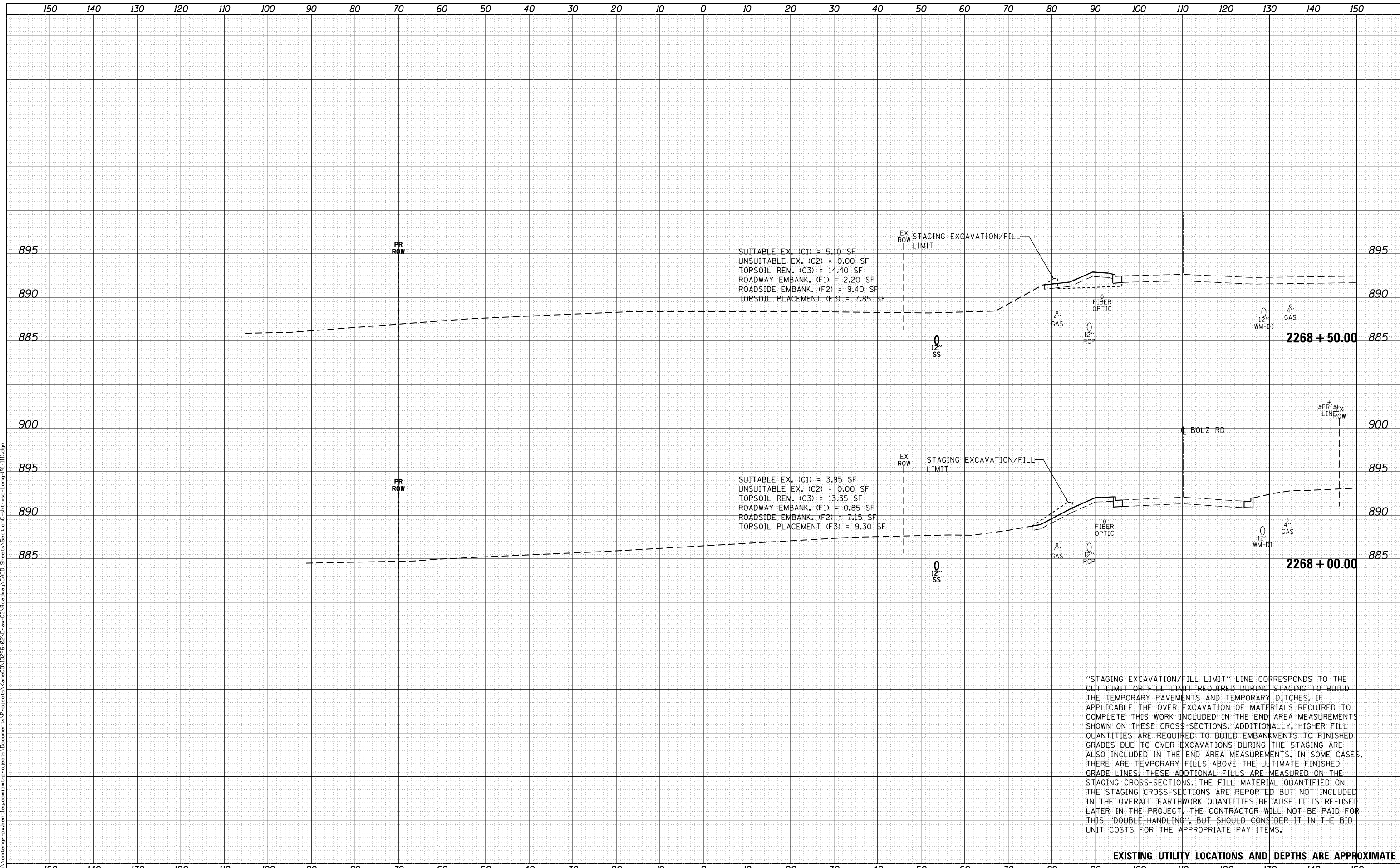
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<b>TC-26</b>			<b>CONTRACT NO. 61F04</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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"STAGING EXCAVATION/FILL LIMIT" LINE CORRESPONDS TO THE CUT LIMIT OR FILL LIMIT REQUIRED DURING STAGING TO BUILD THE TEMPORARY PAVEMENTS AND TEMPORARY DITCHES. IF APPLICABLE THE OVER EXCAVATION OF MATERIALS REQUIRED TO COMPLETE THIS WORK INCLUDED IN THE END AREA MEASUREMENTS SHOWN ON THESE CROSS-SECTIONS. ADDITIONALLY, HIGHER FILL QUANTITIES ARE REQUIRED TO BUILD EMBANKMENTS TO FINISHED GRADES DUE TO OVER EXCAVATIONS DURING THE STAGING ARE ALSO INCLUDED IN THE END AREA MEASUREMENTS. IN SOME CASES, THERE ARE TEMPORARY FILLS ABOVE THE ULTIMATE FINISHED GRADE LINES. THESE ADDITIONAL FILLS ARE MEASURED ON THE STAGING CROSS-SECTIONS. THE FILL MATERIAL QUANTIFIED ON THE STAGING CROSS-SECTIONS ARE REPORTED BUT NOT INCLUDED IN THE OVERALL EARTHWORK QUANTITIES BECAUSE IT IS RE-USED LATER IN THE PROJECT. THE CONTRACTOR WILL NOT BE PAID FOR THIS "DOUBLE-HANDLING", BUT SHOULD CONSIDER IT IN THE BID UNIT COSTS FOR THE APPROPRIATE PAY ITEMS.

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes  
 DESIGNED - BRF  
 DRAWN - BRF  
 CHECKED - JMS  
 DATE - 9/6/2018

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 1 OF 20 SHEETS STA. TO STA.

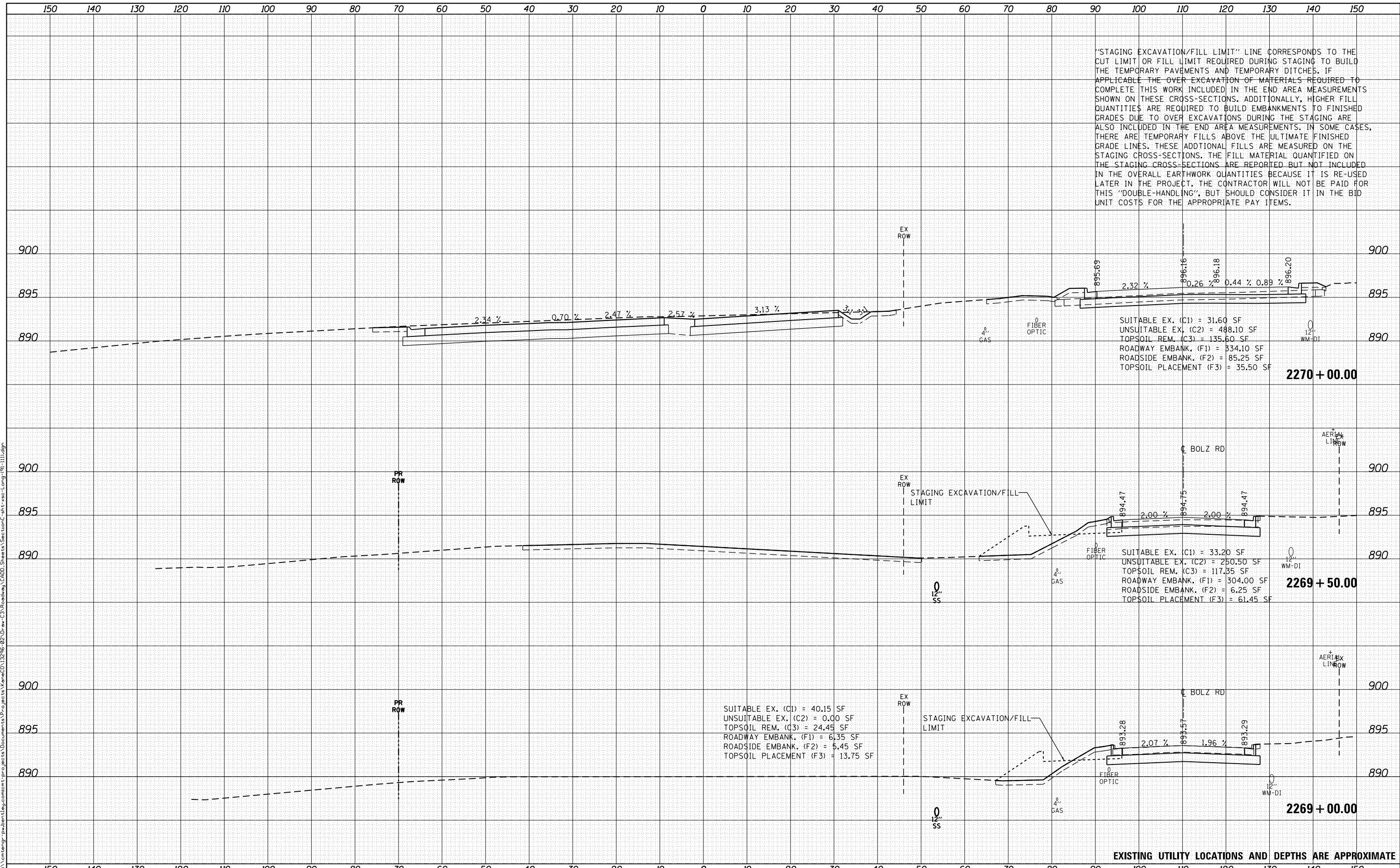
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2298	18-00215-22-CH	KANE	195	145
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY	
PLOTTED	
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NOTE BOOK	
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"STAGING EXCAVATION/FILL LIMIT" LINE CORRESPONDS TO THE CUT LIMIT OR FILL LIMIT REQUIRED DURING STAGING TO BUILD THE TEMPORARY PAVEMENTS AND TEMPORARY DITCHES. IF APPLICABLE THE OVER EXCAVATION OF MATERIALS REQUIRED TO COMPLETE THIS WORK INCLUDED IN THE END AREA MEASUREMENTS SHOWN ON THESE CROSS-SECTIONS. ADDITIONALLY, HIGHER FILL QUANTITIES ARE REQUIRED TO BUILD EMBANKMENTS TO FINISHED GRADES DUE TO OVER EXCAVATIONS DURING THE STAGING ARE ALSO INCLUDED IN THE END AREA MEASUREMENTS. IN SOME CASES, THERE ARE TEMPORARY FILLS ABOVE THE ULTIMATE FINISHED GRADE LINES. THESE ADDITIONAL FILLS ARE MEASURED ON THE STAGING CROSS-SECTIONS. THE FILL MATERIAL QUANTIFIED ON THE STAGING CROSS-SECTIONS ARE REPORTED BUT NOT INCLUDED IN THE OVERALL EARTHWORK QUANTITIES BECAUSE IT IS RE-USED LATER IN THE PROJECT. THE CONTRACTOR WILL NOT BE PAID FOR THIS "DOUBLE-HANDLING", BUT SHOULD CONSIDER IT IN THE BID UNIT COSTS FOR THE APPROPRIATE PAY ITEMS.

SUITABLE EX. (C1) = 31.60 SF  
 UNSUITABLE EX. (C2) = 488.10 SF  
 TOPSOIL REM. (C3) = 135.60 SF  
 ROADWAY EMBANK. (F1) = 534.10 SF  
 ROADSIDE EMBANK. (F2) = 85.25 SF  
 TOPSOIL PLACEMENT (F3) = 35.50 SF

SUITABLE EX. (C1) = 33.20 SF  
 UNSUITABLE EX. (C2) = 250.50 SF  
 TOPSOIL REM. (C3) = 117.35 SF  
 ROADWAY EMBANK. (F1) = 304.00 SF  
 ROADSIDE EMBANK. (F2) = 6.25 SF  
 TOPSOIL PLACEMENT (F3) = 61.45 SF

SUITABLE EX. (C1) = 40.15 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 24.45 SF  
 ROADWAY EMBANK. (F1) = 6.35 SF  
 ROADSIDE EMBANK. (F2) = 5.45 SF  
 TOPSOIL PLACEMENT (F3) = 13.75 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 9/6/2018

DESIGNED - BRF  
 DRAWN - BRF  
 CHECKED - JMS  
 DATE - 9/6/2018

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

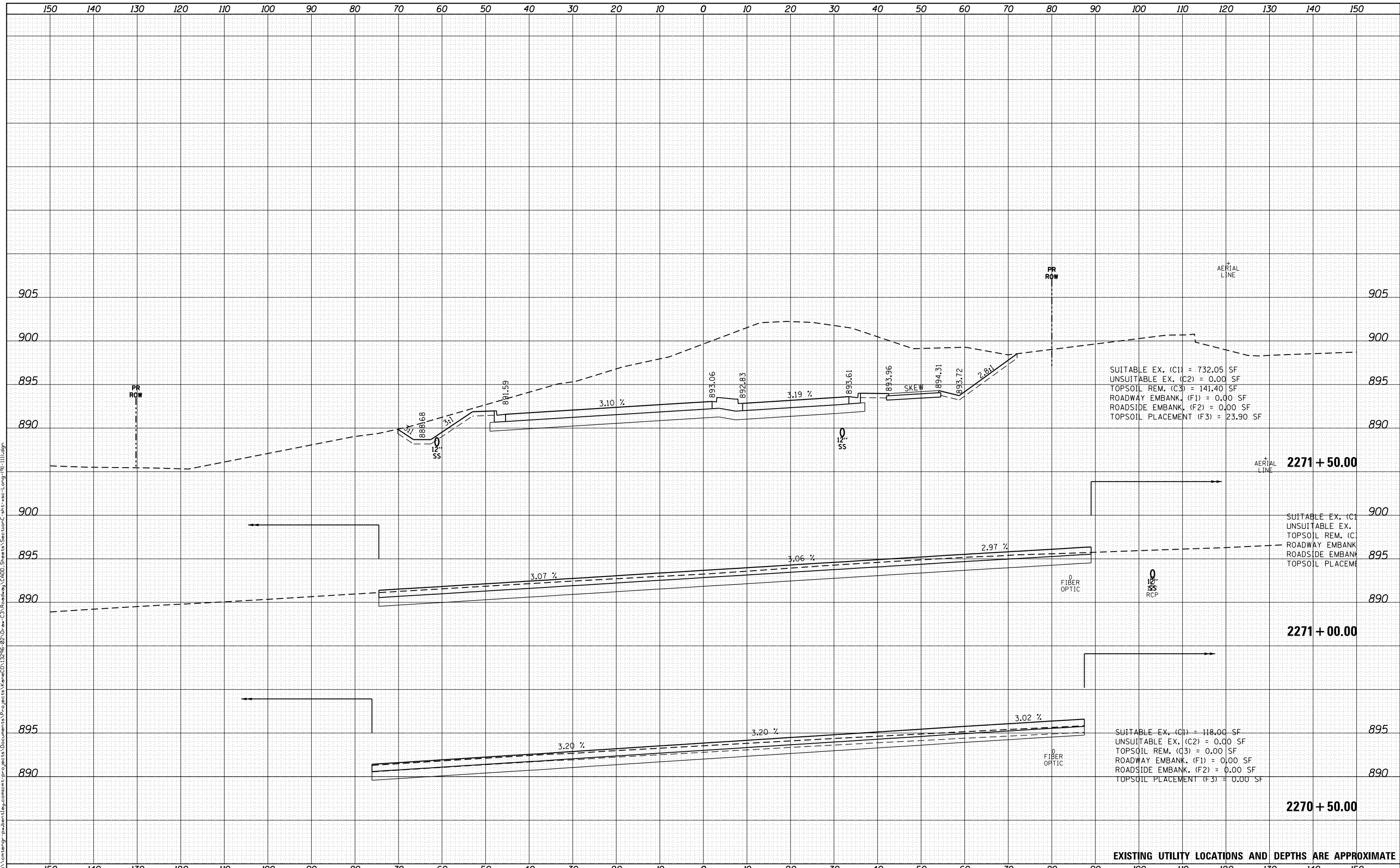
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F04			ILLINOIS FED. AID PROJECT	

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ORIGINAL SURVEY	
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SUITABLE EX. (C1) = 732.05 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 141.40 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 23.90 SF

2271 + 50.00

SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 0.00 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 0.00 SF

2271 + 00.00

SUITABLE EX. (C1) = 118.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 0.00 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 0.00 SF

2270 + 50.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 3 OF 20 SHEETS STA. TO STA.

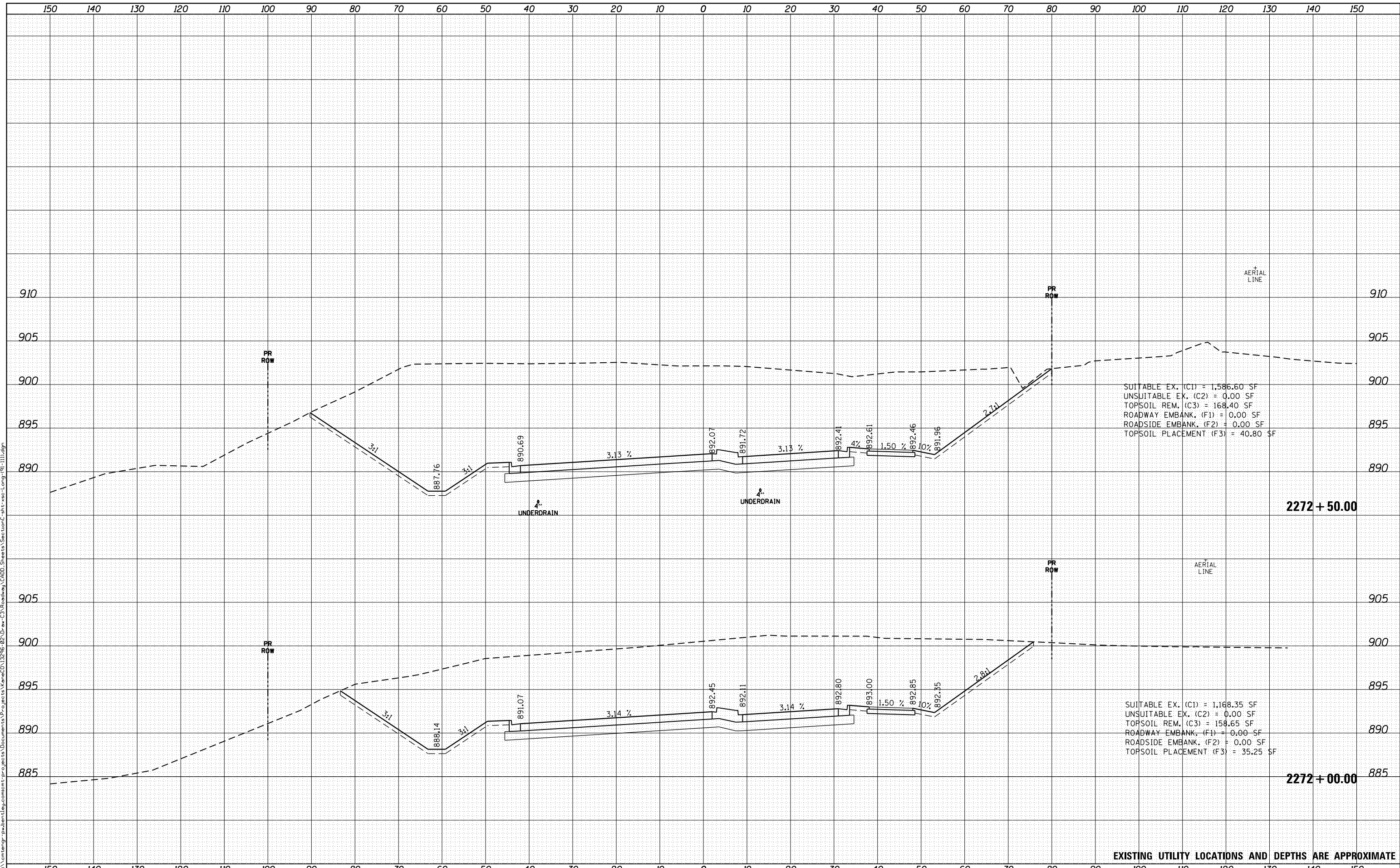
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2298	18-00215-22-CH	KANE	195	147
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

DATE	
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FINAL SURVEY NO.	
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SUITABLE EX. (C1) = 1,586.60 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 168.40 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 40.80 SF

SUITABLE EX. (C1) = 1,168.35 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 158.65 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 35.25 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / 1"	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
LONGMEADOW PARKWAY**

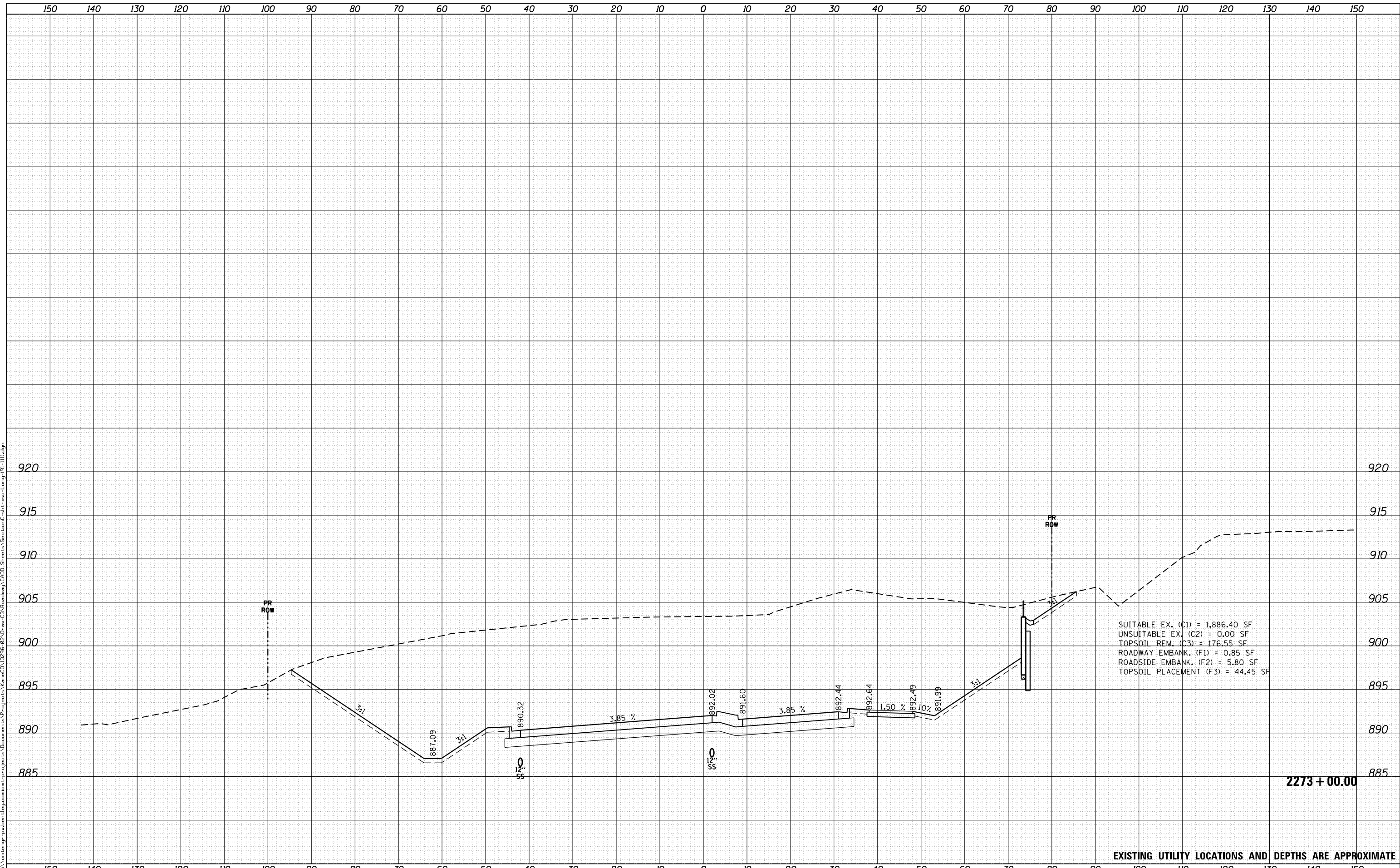
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	148
			CONTRACT NO. 61F04	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY NO.	
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SUITABLE EX. (C1) = 1,886.40 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 176.55 SF  
 ROADWAY EMBANK. (F1) = 0.85 SF  
 ROADSIDE EMBANK. (F2) = 5.80 SF  
 TOPSOIL PLACEMENT (F3) = 44.45 SF

2273 + 00.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REvised -
	DRAWN - BRF	REvised -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REvised -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REvised -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 5 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	149
CONTRACT NO. 61F04				

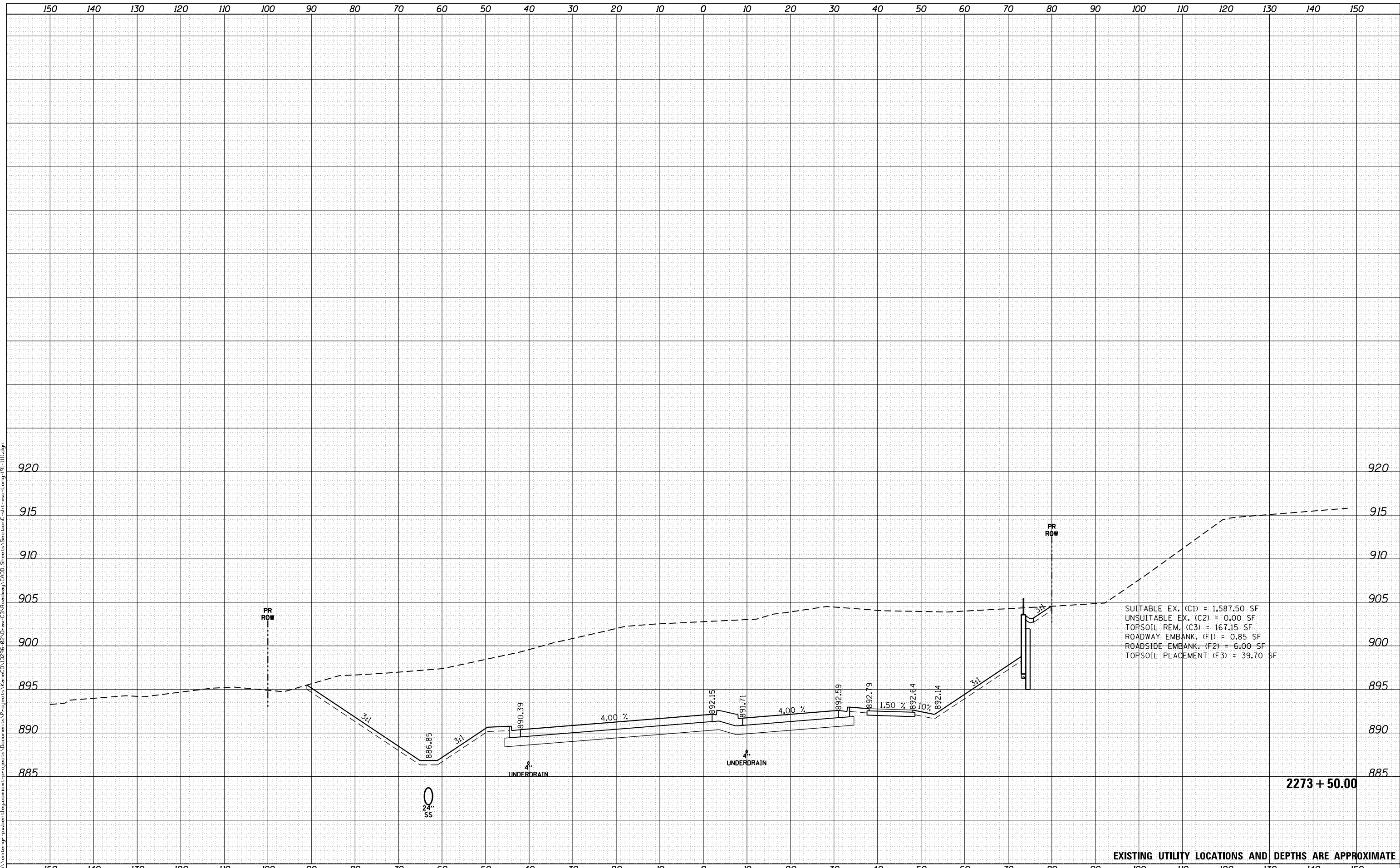
ILLINOIS FED. AID PROJECT



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PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

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ORIGINAL SURVEY NO.	
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NOTE BOOK AREAS CHECKED	

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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 6 OF 20 SHEETS STA. TO STA.

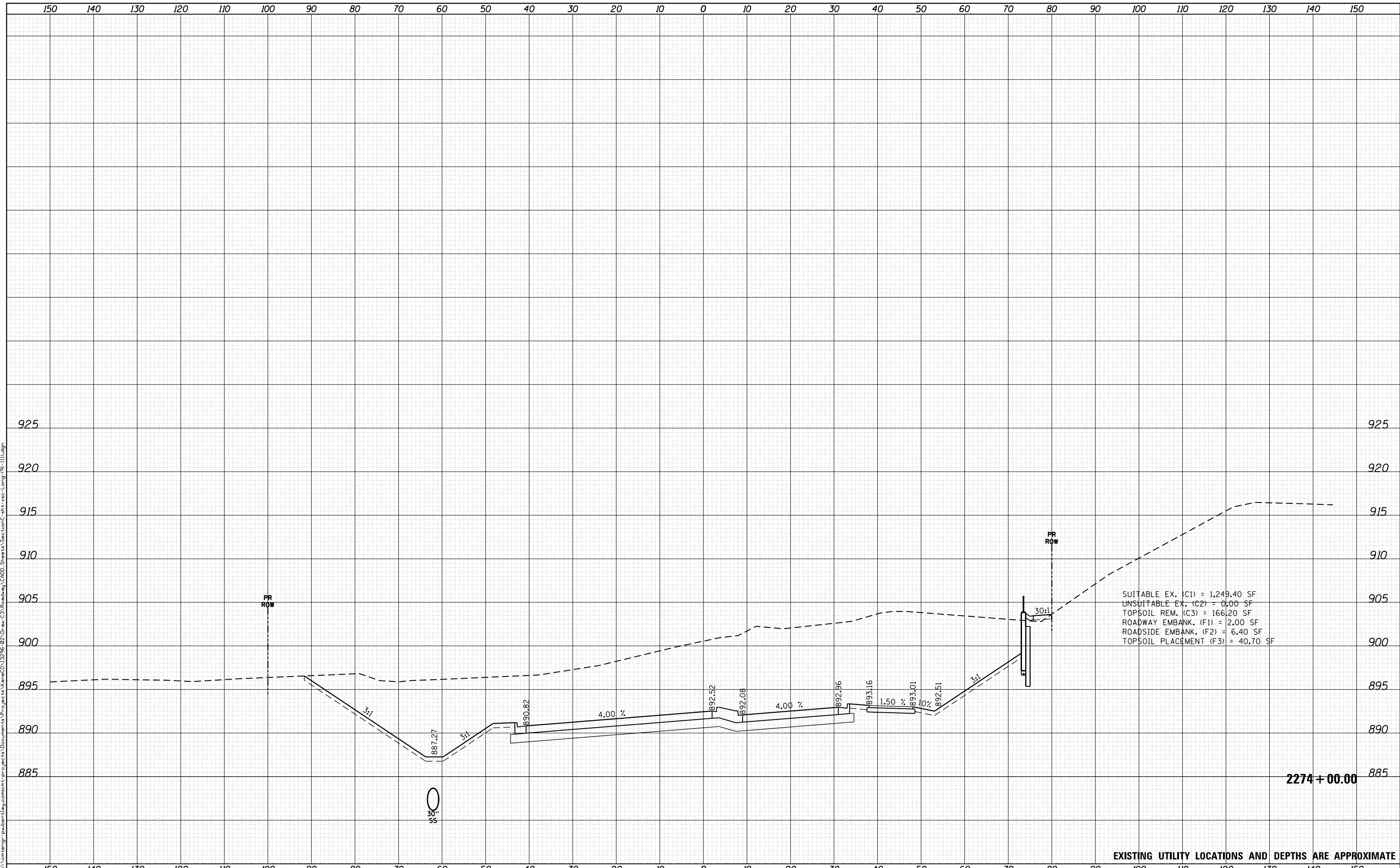
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2298	18-00215-22-CH	KANE	195	150
CONTRACT NO. 61F04				

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NOTE BOOK AREAS CHECKED	

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ORIGINAL SURVEY NO.	
SURVEYED AREAS CHECKED	
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NOTE BOOK AREAS CHECKED	

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2274 + 00.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISED -
	DRAWN - BRF	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 7 OF 20 SHEETS STA. TO STA.

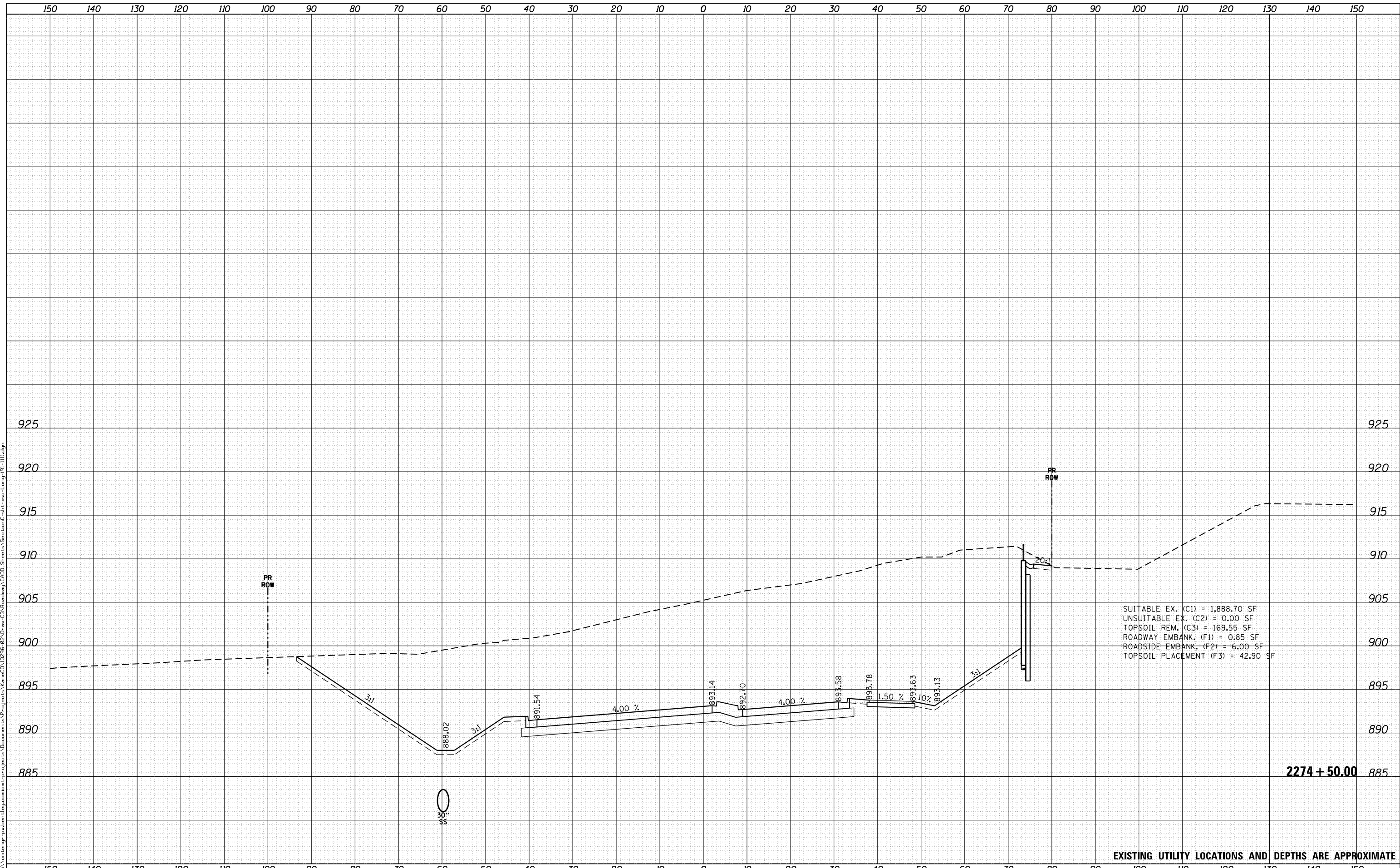
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	151
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME: p:\1\cm\engr-pw\ben\stj\csm\cm\projects\Documents\Projects\Kane\CD\13296-02\Draw-C3\Roadway\CADD\Sheets\Section-C\sh-c\sec-1.dgn



SUITABLE EX. (C1) = 1,888.70 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 169.55 SF  
 ROADWAY EMBANK. (F1) = 0.85 SF  
 ROADSIDE EMBANK. (F2) = 6.00 SF  
 TOPSOIL PLACEMENT (F3) = 42.90 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / 1"	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 8 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	152
CONTRACT NO. 61F04				

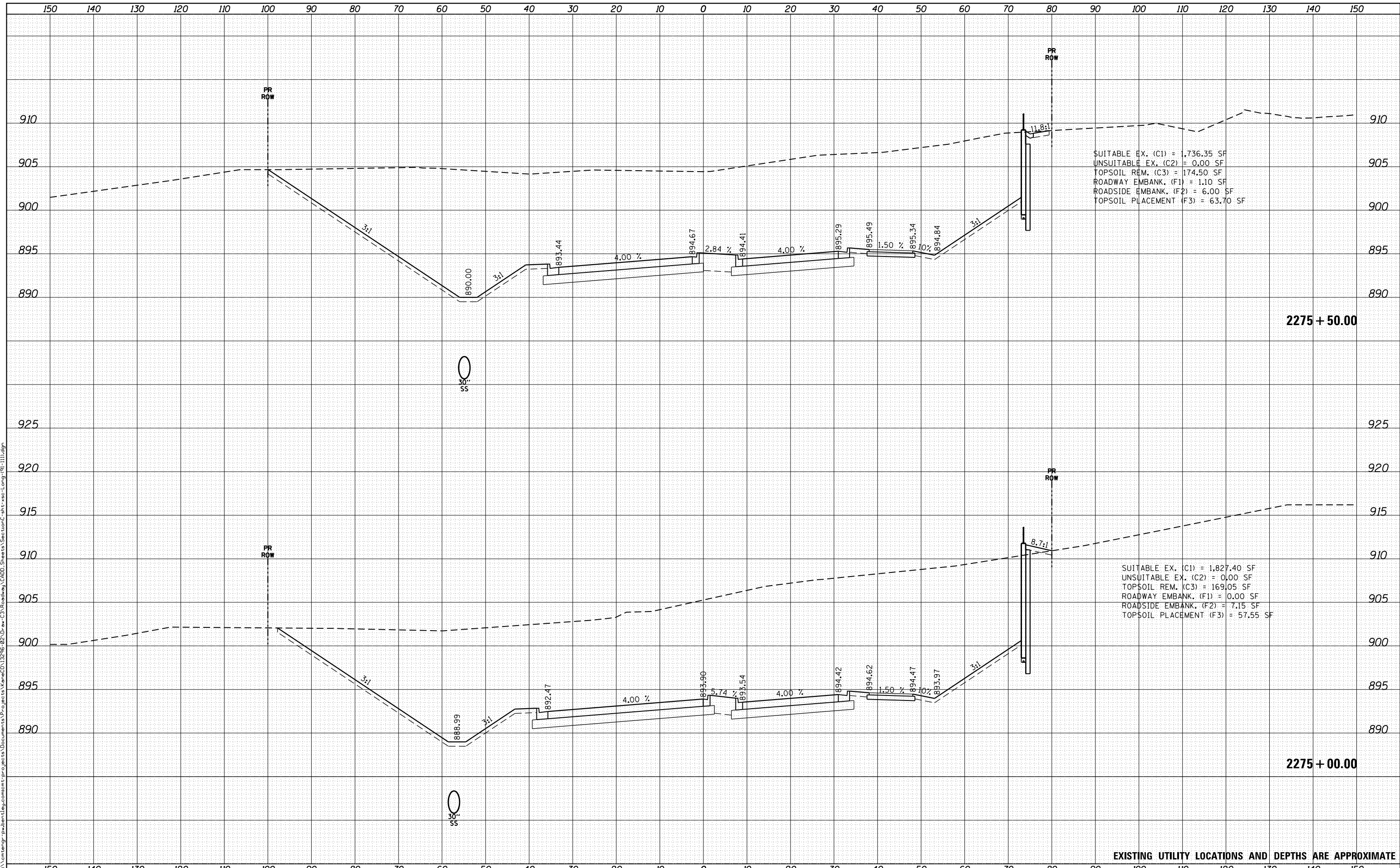
ILLINOIS FED. AID PROJECT



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
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FILE NAME: p:\1\m\engr-pw\ben\stlay\csm\cmt\projects\2298\2298-02\Draw-C3\Roadway\CADD\Sheets\Section\csh\csh-111.dgn



EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
LONGMEADOW PARKWAY**

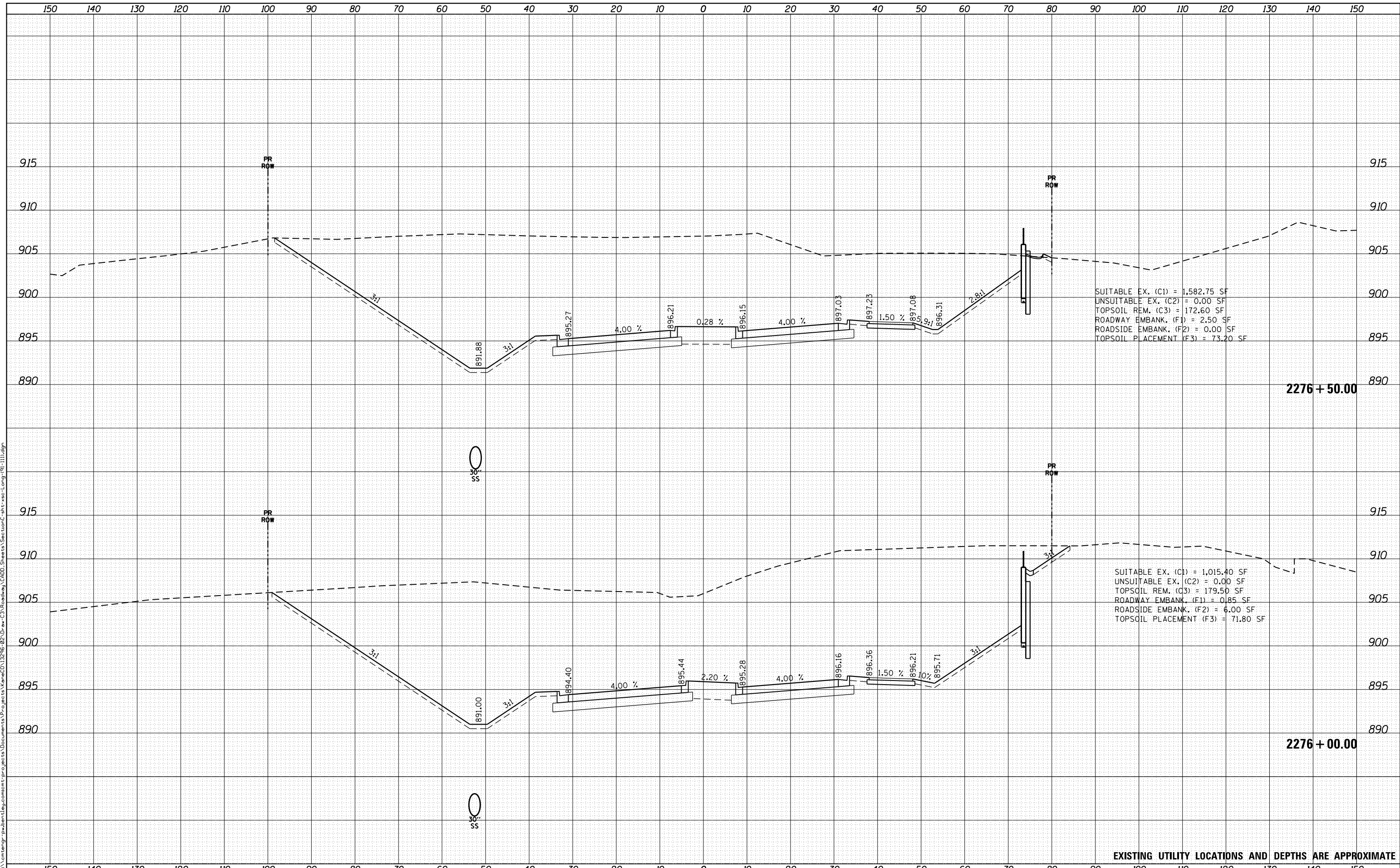
SCALE: 1"=10'/5'    SHEET 9 OF 20 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	153
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = p:\1\cm\engr-pw\ben\stj\csm\cm\projects\Documents\Projects\Kane\CD\13296-02\Draw-C3\Roadway\CADD\Sheets\Section\csh\csh-1111.dgn



SUITABLE EX. (C1) = 1,582.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 172.60 SF  
 ROADWAY EMBANK. (F1) = 2.50 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 73.20 SF

SUITABLE EX. (C1) = 1,015.40 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 179.50 SF  
 ROADWAY EMBANK. (F1) = 0.85 SF  
 ROADSIDE EMBANK. (F2) = 6.00 SF  
 TOPSOIL PLACEMENT (F3) = 71.80 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 9/6/2018

DESIGNED - BRF  
 DRAWN - BRF  
 CHECKED - JMS  
 DATE - 9/6/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 10 OF 20 SHEETS STA. TO STA.

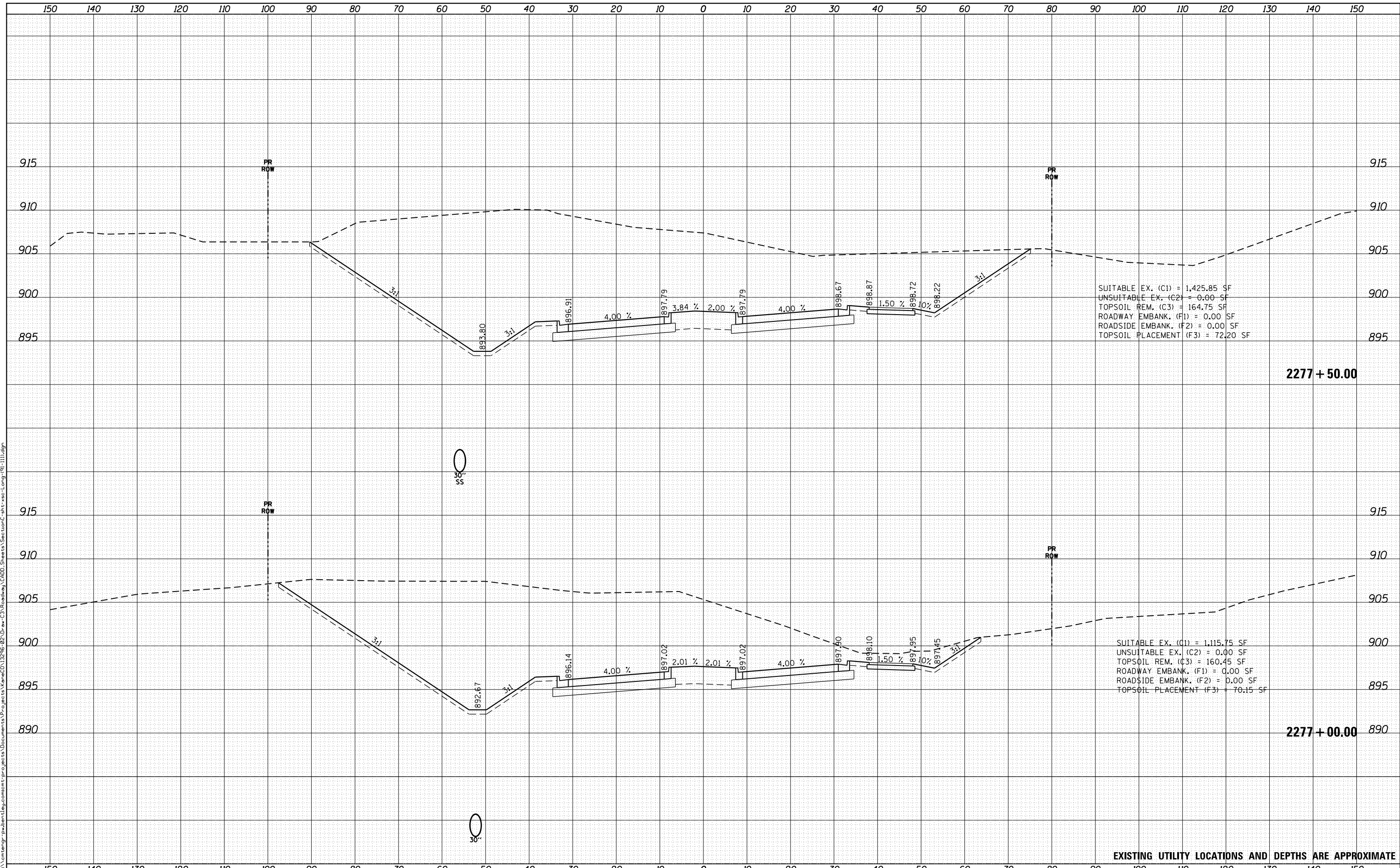
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	154
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME = p:\1\cm\engr-pw\ben\stj\csm\cm\projects\Documents\Projects\Kane\CD\12296-02\Draw-C3\Roadway\CADD\Sheets\SectionC-sh1-xec-Leng-01-111.dgn



SUITABLE EX. (C1) = 1,425.85 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 164.75 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 72.20 SF

SUITABLE EX. (C1) = 1,115.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 160.45 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 70.15 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REvised -
	DRAWN - BRF	REvised -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REvised -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REvised -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 11 OF 20 SHEETS STA. TO STA.

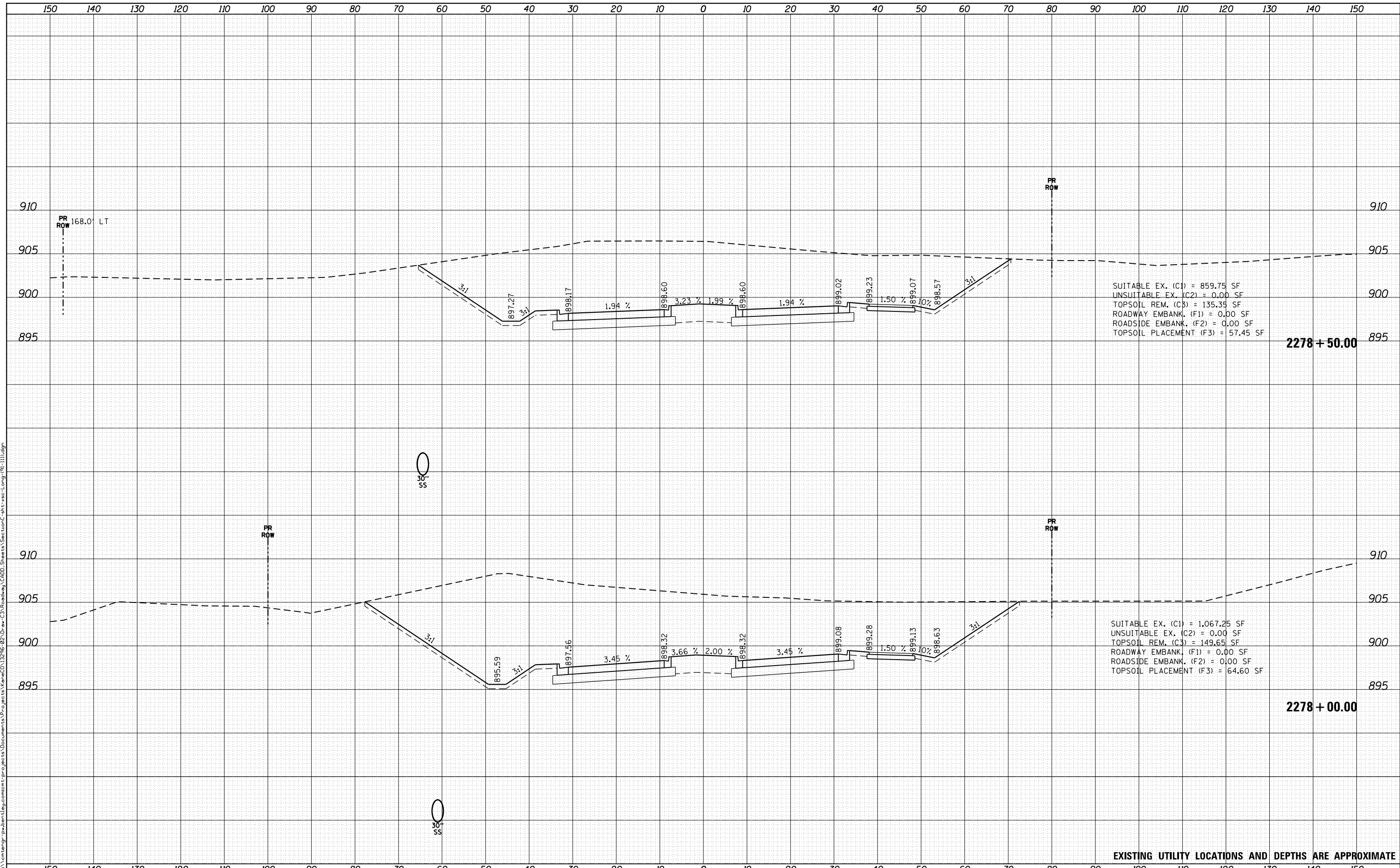
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	155
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME: p:\1\cm\engr-pw\ben\stj\csm\ent\projects\Documents\Projects\Kane\CD\12296-22\Draw-C3\Roadway\CADD\Sheets\Section\csh\csh-1111.dgn



SUITABLE EX. (C1) = 859.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 135.35 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 57.45 SF

SUITABLE EX. (C1) = 1,067.25 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 149.65 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 64.60 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 LONGMEADOW PARKWAY**

SCALE: 1"=10'/5' SHEET 12 OF 20 SHEETS STA. TO STA.

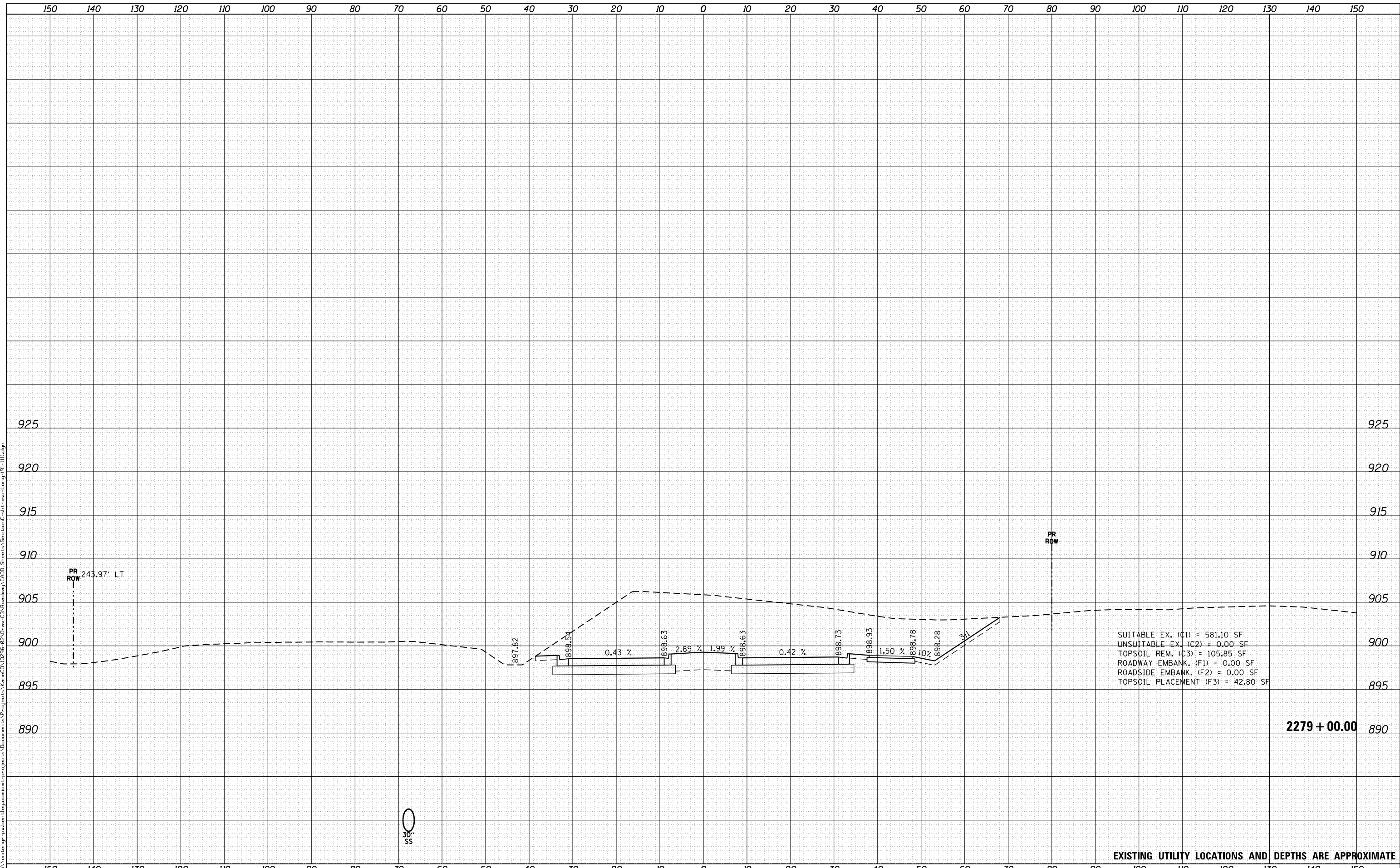
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	156
			CONTRACT NO. 61F04	

ILLINOIS FED. AID PROJECT

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

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

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SUITABLE EX. (C1) = 581.10 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 105.85 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 42.80 SF

2279 + 00.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 13 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	157
CONTRACT NO. 61F04				

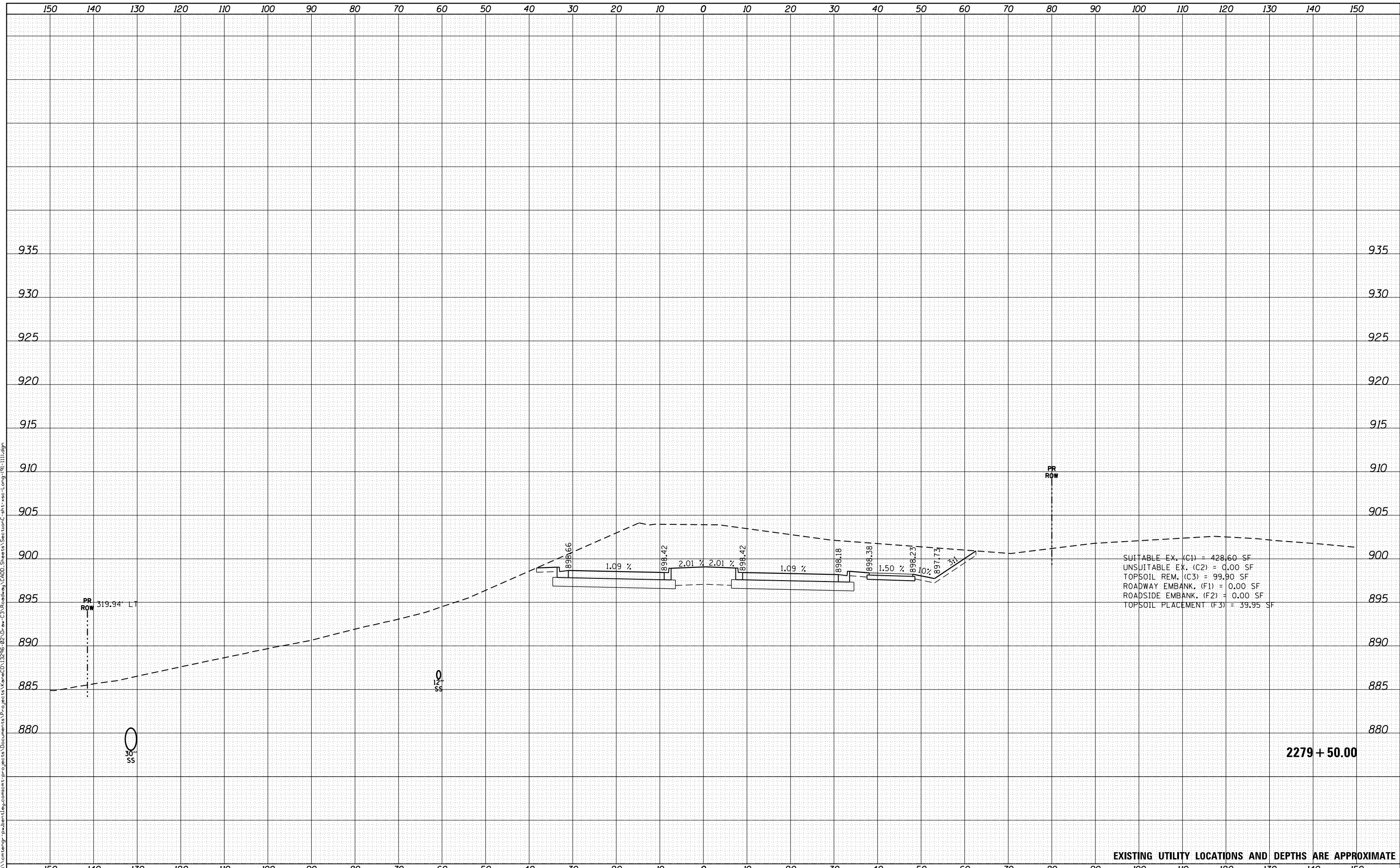
ILLINOIS FED. AID PROJECT



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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

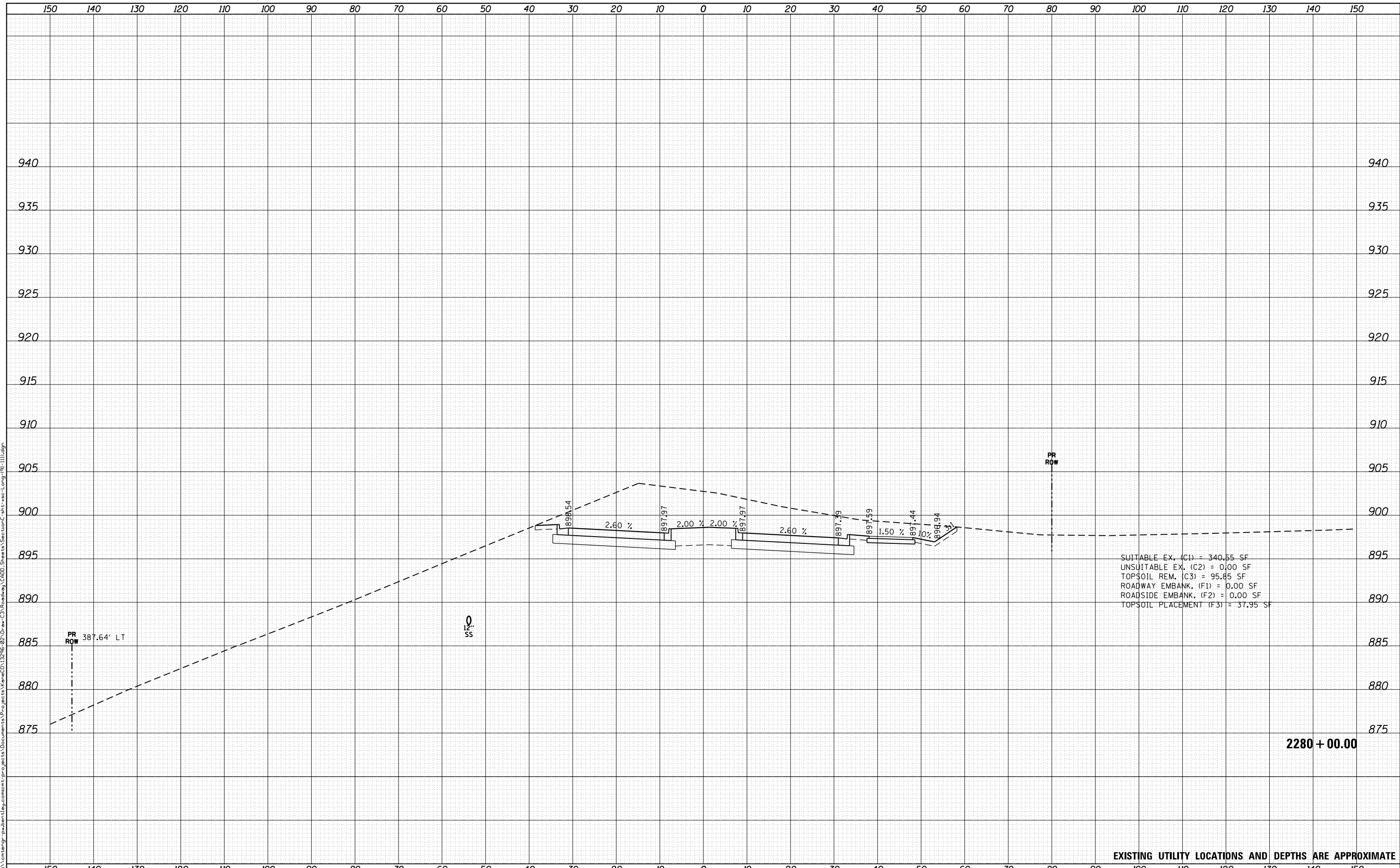
CROSS SECTIONS	
LONGMEADOW PARKWAY	
SCALE: 1"=10'/5'	SHEET 14 OF 20 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	158
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY	
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USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
LONGMEADOW PARKWAY**

SCALE: 1"=10'/5'    SHEET 15 OF 20 SHEETS    STA.    TO STA.

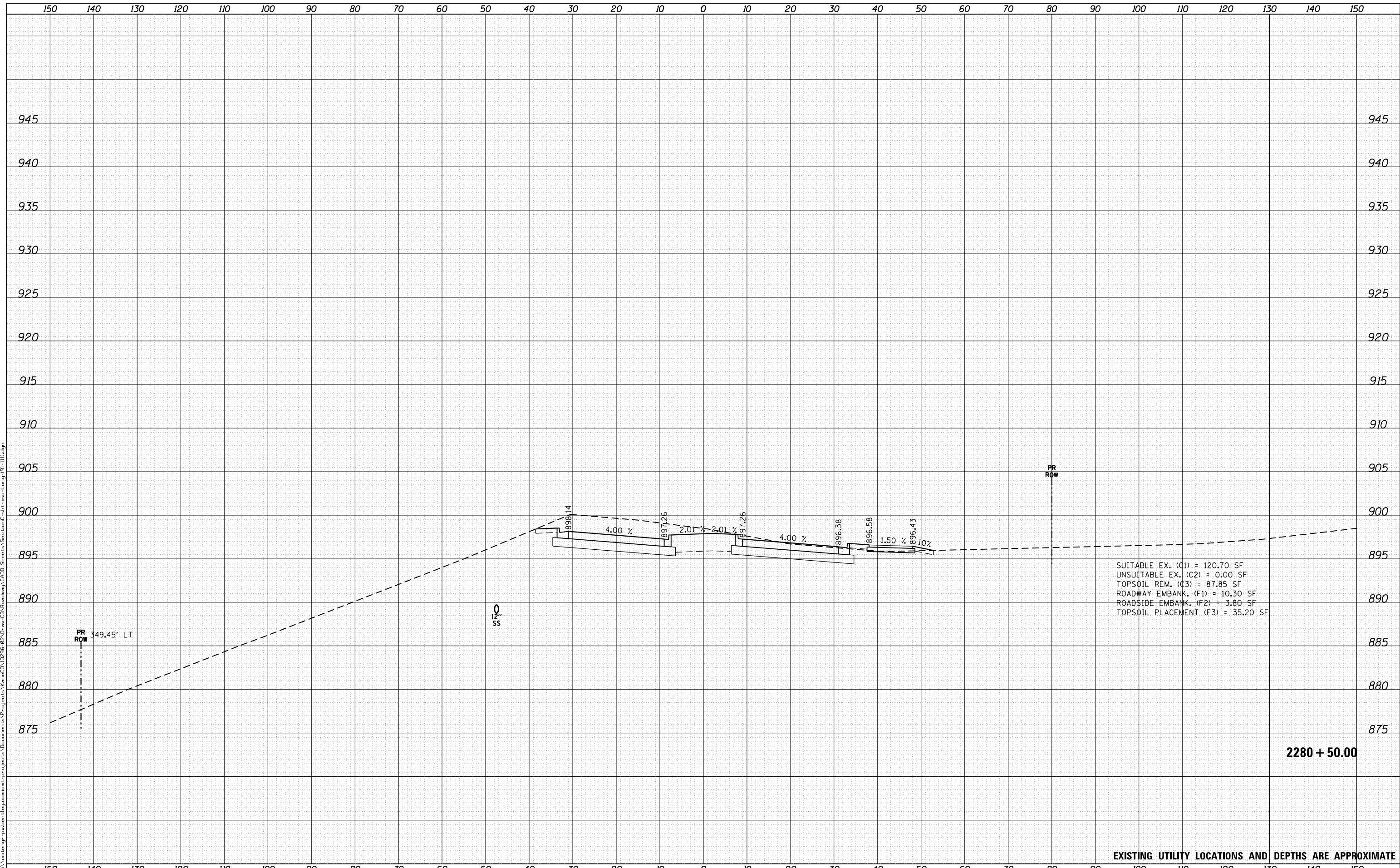
EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	159
			CONTRACT NO. 61F04	
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = p:\1\cm\engr-pw\ben\stj\document\projects\Documents\Projects\Kane\CD\13296-02\Draw-C3\Roadway\CD\Drawings\Section-C\shx\sec1.dgn



SUITABLE EX. (C1) = 120.70 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 87.85 SF  
 ROADWAY EMBANK. (F1) = 10.30 SF  
 ROADSIDE EMBANK. (F2) = 3.80 SF  
 TOPSOIL PLACEMENT (F3) = 35.20 SF

2280 + 50.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 16 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	160
CONTRACT NO. 61F04				

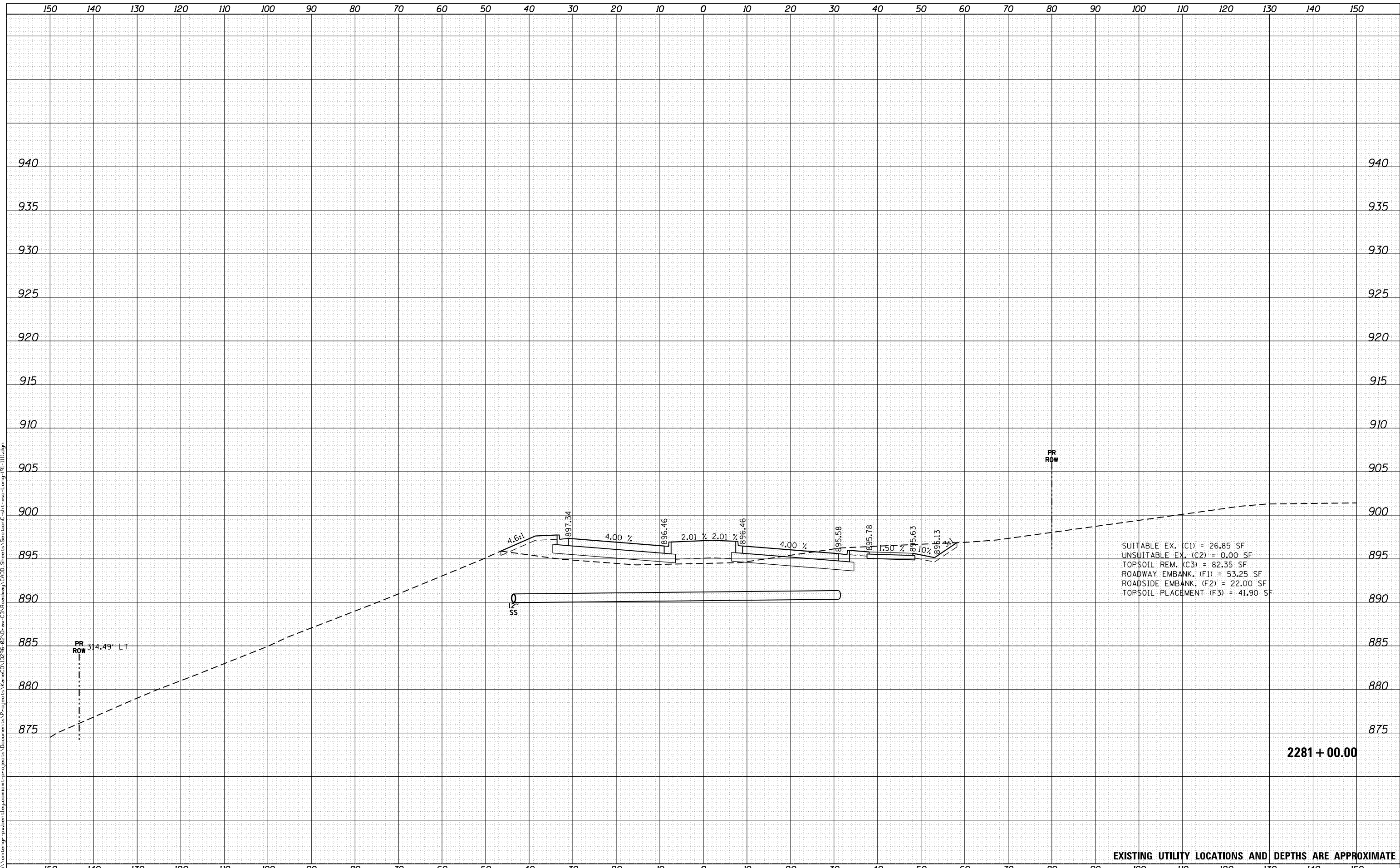
ILLINOIS FED. AID PROJECT



DATE	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
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SUITABLE EX. (C1) = 26.85 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 82.35 SF  
 ROADWAY EMBANK. (F1) = 53.25 SF  
 ROADSIDE EMBANK. (F2) = 22.00 SF  
 TOPSOIL PLACEMENT (F3) = 41.90 SF

2281 + 00.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISIED -
	DRAWN - BRF	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 17 OF 20 SHEETS STA. TO STA.

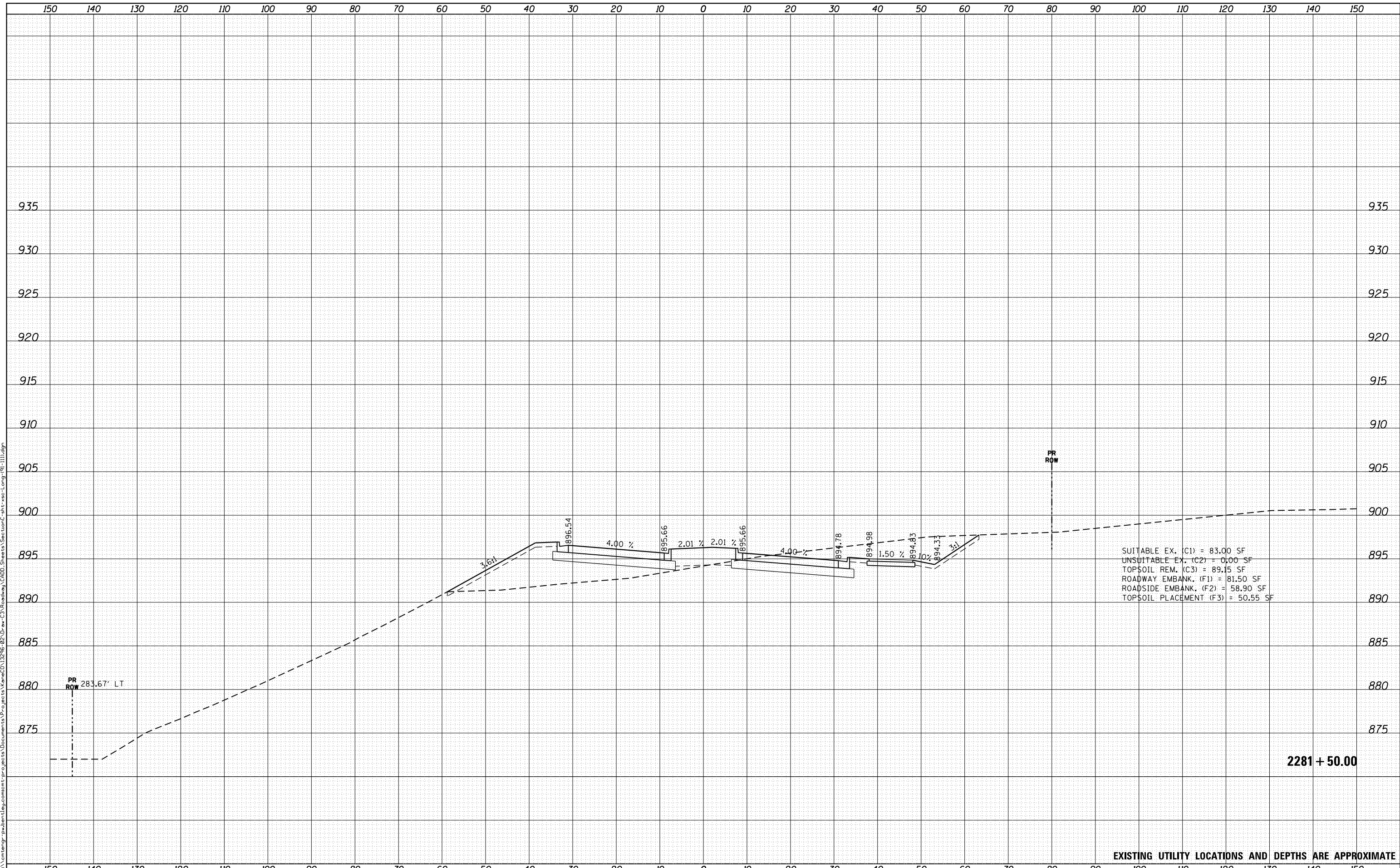
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	161
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

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SUITABLE EX. (C1) = 83.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 89.15 SF  
 ROADWAY EMBANK. (F1) = 81.50 SF  
 ROADSIDE EMBANK. (F2) = 58.90 SF  
 TOPSOIL PLACEMENT (F3) = 50.55 SF

2281 + 50.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 9/6/2018

DESIGNED - BRF  
 DRAWN - BRF  
 CHECKED - JMS  
 DATE - 9/6/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LONGMEADOW PARKWAY

SCALE: 1"=10'/5' SHEET 18 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	162
CONTRACT NO. 61F04				

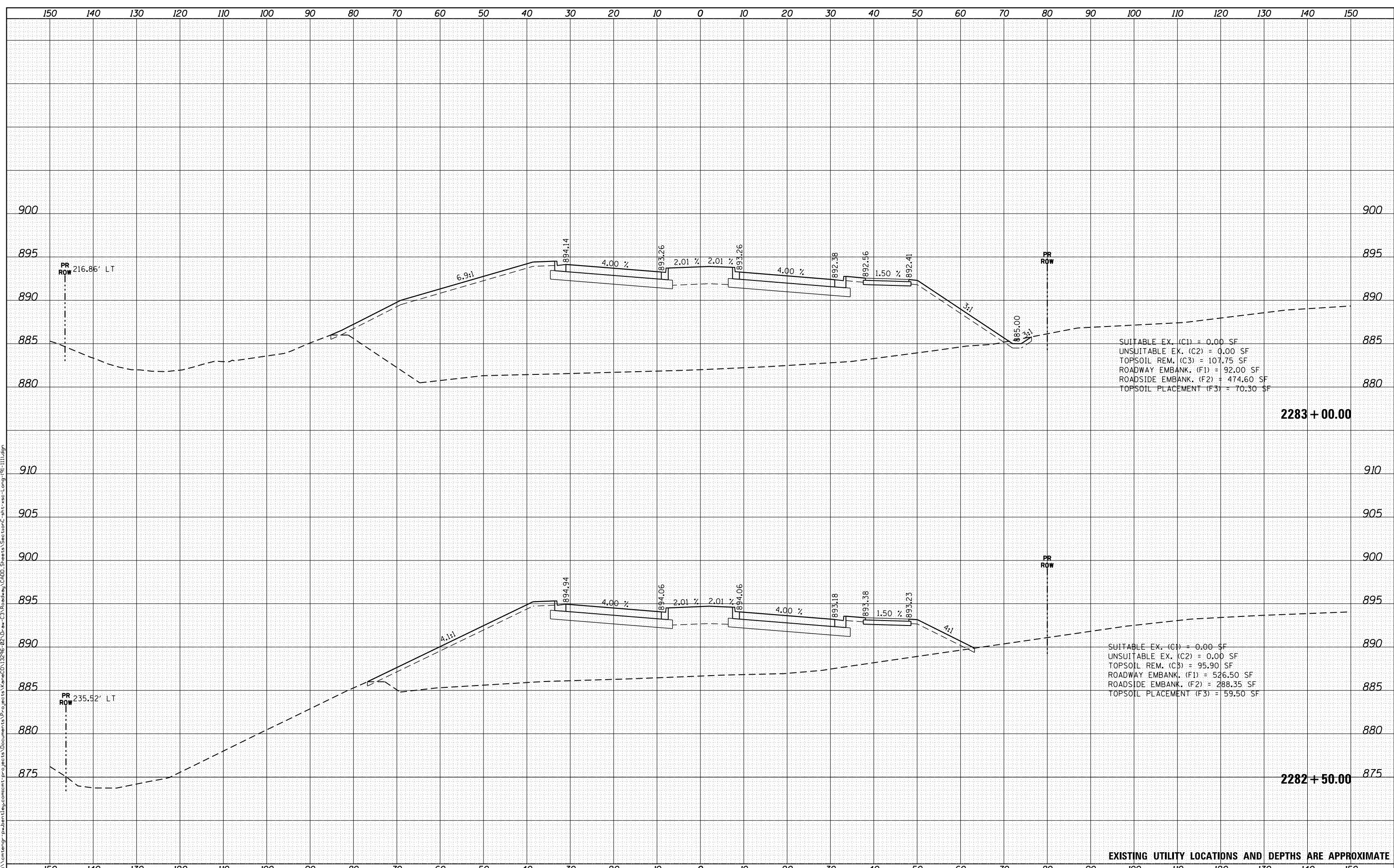
ILLINOIS FED. AID PROJECT



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

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
	CHECKED

FILE NAME = p:\1\cm\engr-pw\ben\stj\csm\cm\projects\Documents\Projects\Kane\CD\12296-02\Draw-C3\Roadway\CADD\Sheets\Section\csh\csh-1111.dgn



SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 107.75 SF  
 ROADWAY EMBANK. (F1) = 92.00 SF  
 ROADSIDE EMBANK. (F2) = 474.60 SF  
 TOPSOIL PLACEMENT (F3) = 70.30 SF

SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 95.90 SF  
 ROADWAY EMBANK. (F1) = 526.50 SF  
 ROADSIDE EMBANK. (F2) = 288.35 SF  
 TOPSOIL PLACEMENT (F3) = 59.50 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISED -
	DRAWN - BRF	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - JMS	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LONGMEADOW PARKWAY

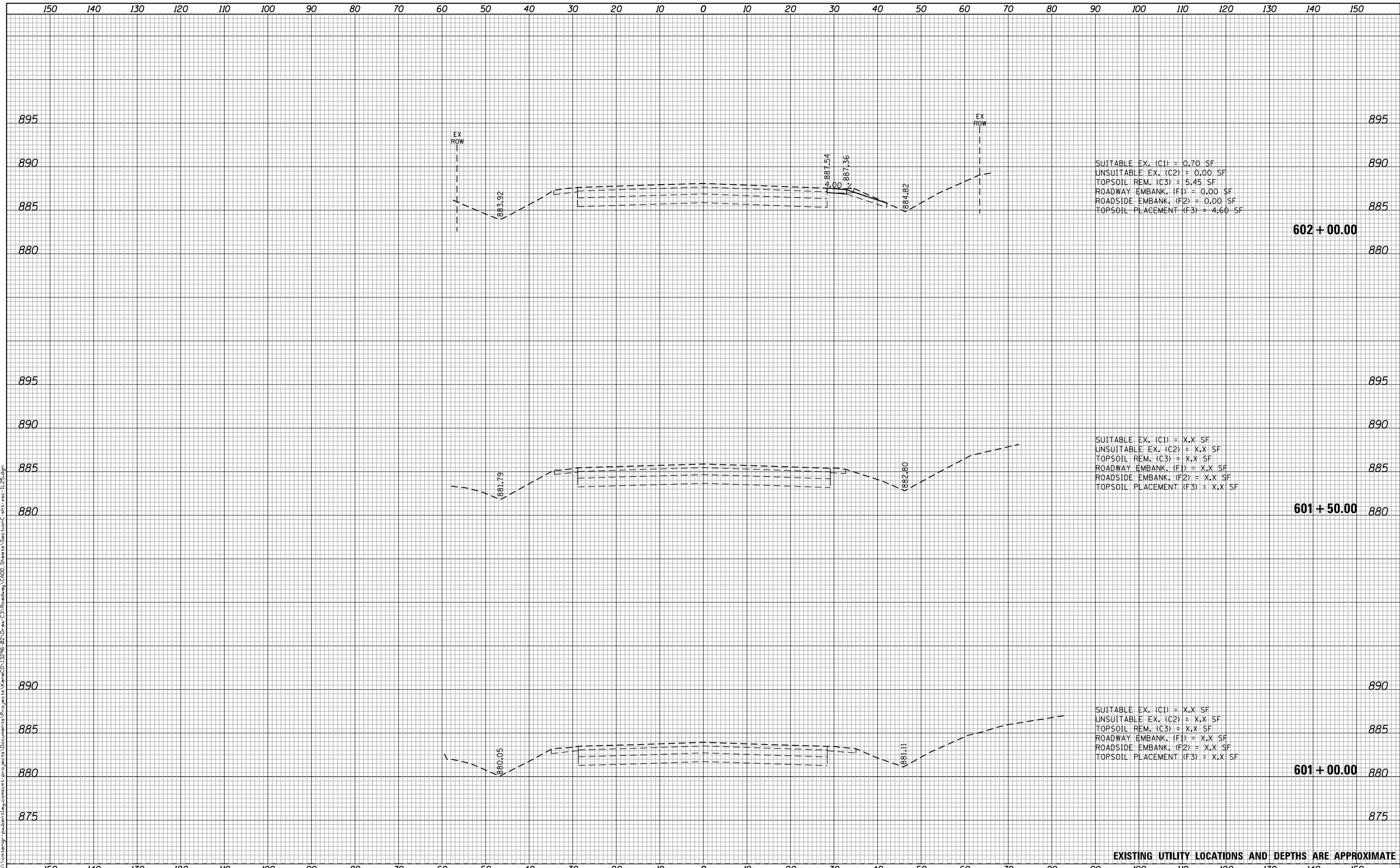
SCALE: 1"=10'/5' SHEET 20 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	164
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

FILE NAME: p:\1\m\temp\pwbentley\csm\cmt\projects\Documents\Projects\Kane\CD\12298-02\Draw-C3\Roadway\CADD\_Sheets\SectionC-ht-xc-IL25.dgn



SUITABLE EX. (C1) = 0.70 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 5.45 SF  
 ROADWAY EMBANK. (F1) = 0.00 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 4.60 SF

SUITABLE EX. (C1) = X.X SF  
 UNSUITABLE EX. (C2) = X.X SF  
 TOPSOIL REM. (C3) = X.X SF  
 ROADWAY EMBANK. (F1) = X.X SF  
 ROADSIDE EMBANK. (F2) = X.X SF  
 TOPSOIL PLACEMENT (F3) = X.X SF

SUITABLE EX. (C1) = X.X SF  
 UNSUITABLE EX. (C2) = X.X SF  
 TOPSOIL REM. (C3) = X.X SF  
 ROADWAY EMBANK. (F1) = X.X SF  
 ROADSIDE EMBANK. (F2) = X.X SF  
 TOPSOIL PLACEMENT (F3) = X.X SF

602 + 00.00

601 + 50.00

601 + 00.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25  
 SCALE: 1"=10'/5' SHEET 1 OF 15 SHEETS STA. TO STA.

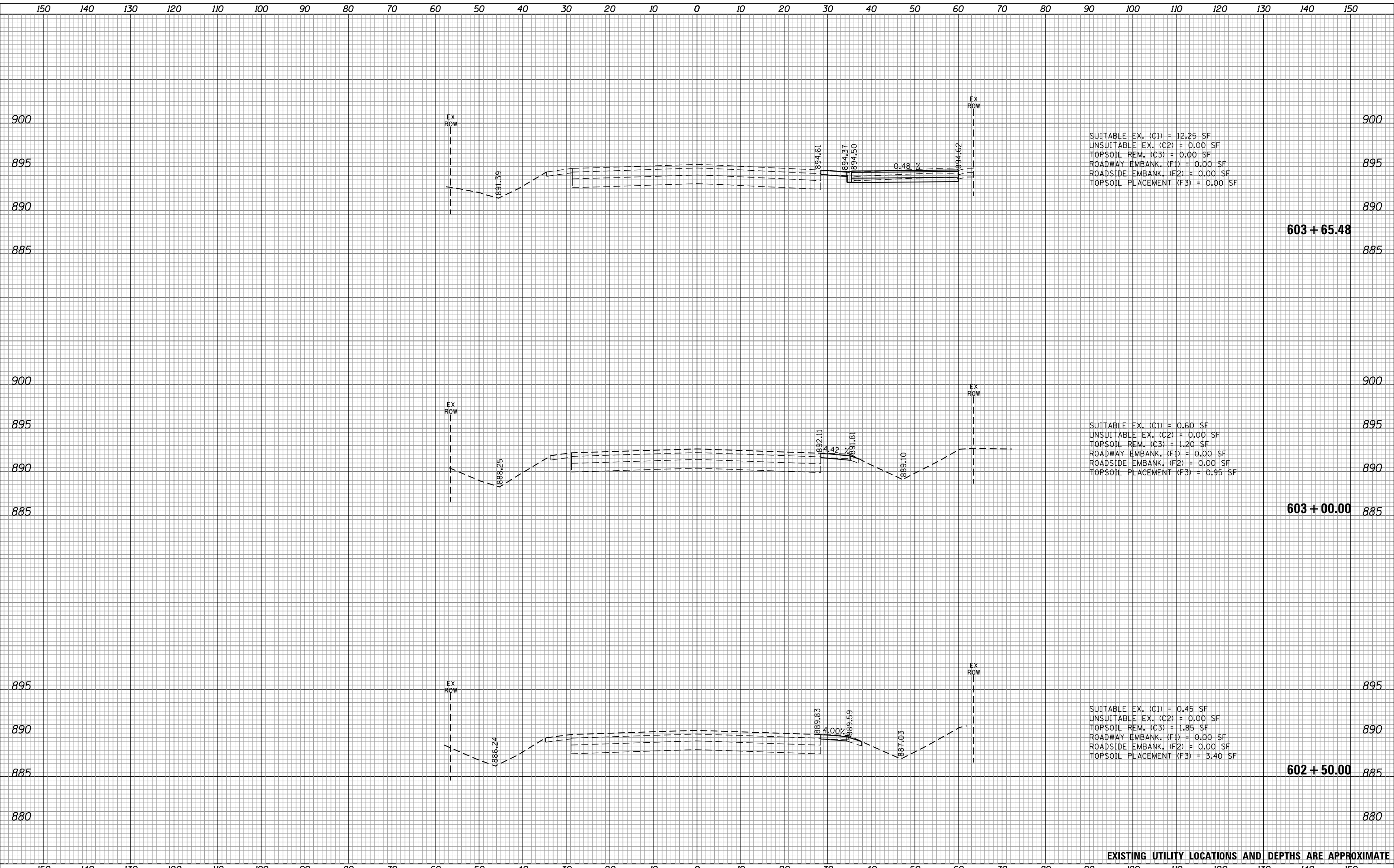
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	165
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FILE NAME: p:\1\m\temp\pwbentley\csm\cmt\projects\Documents\Projects\Kane\CD\12298-02\Draw-C3\Roadway\CGDD\_Sheets\SectionC-sh1-xpc-IL25.dgn



EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ILLINOIS ROUTE 25**

SCALE: 1"=10'/5' SHEET 2 OF 15 SHEETS STA. TO STA.

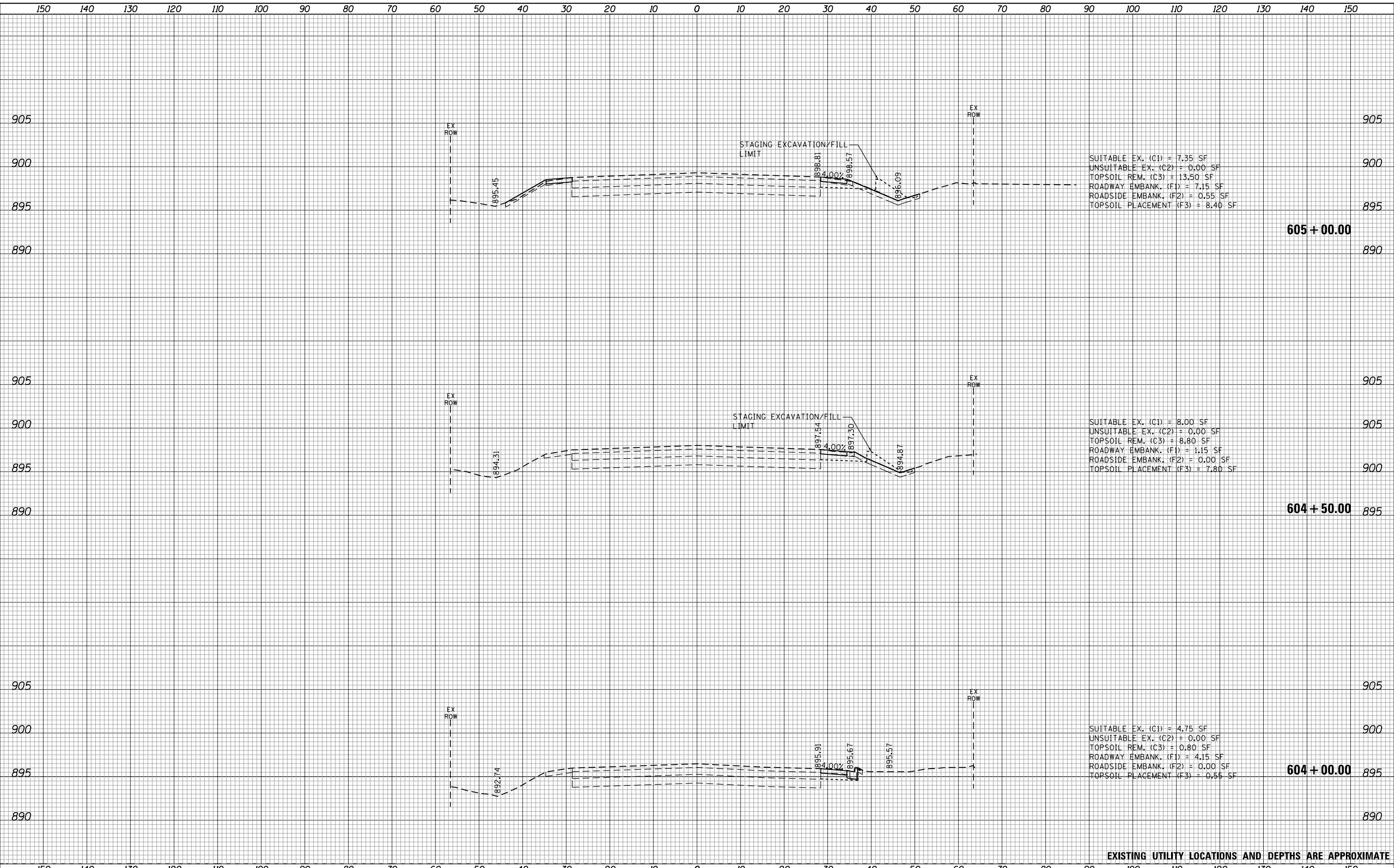
F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	166
CONTRACT NO.			61F04	

ILLINOIS FED. AID PROJECT

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

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

FILE NAME: p:\1\m\temp\pwbentley\csm\cmt\projects\kane\12298-02\Draw-C3\Roadway\CADD\_Sheets\Section-C-h1-xpc-IL25.dgn



EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISED -
	DRAWN - BRF	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ILLINOIS ROUTE 25**

SCALE: 1"=10'/5' SHEET 3 OF 15 SHEETS STA. TO STA.

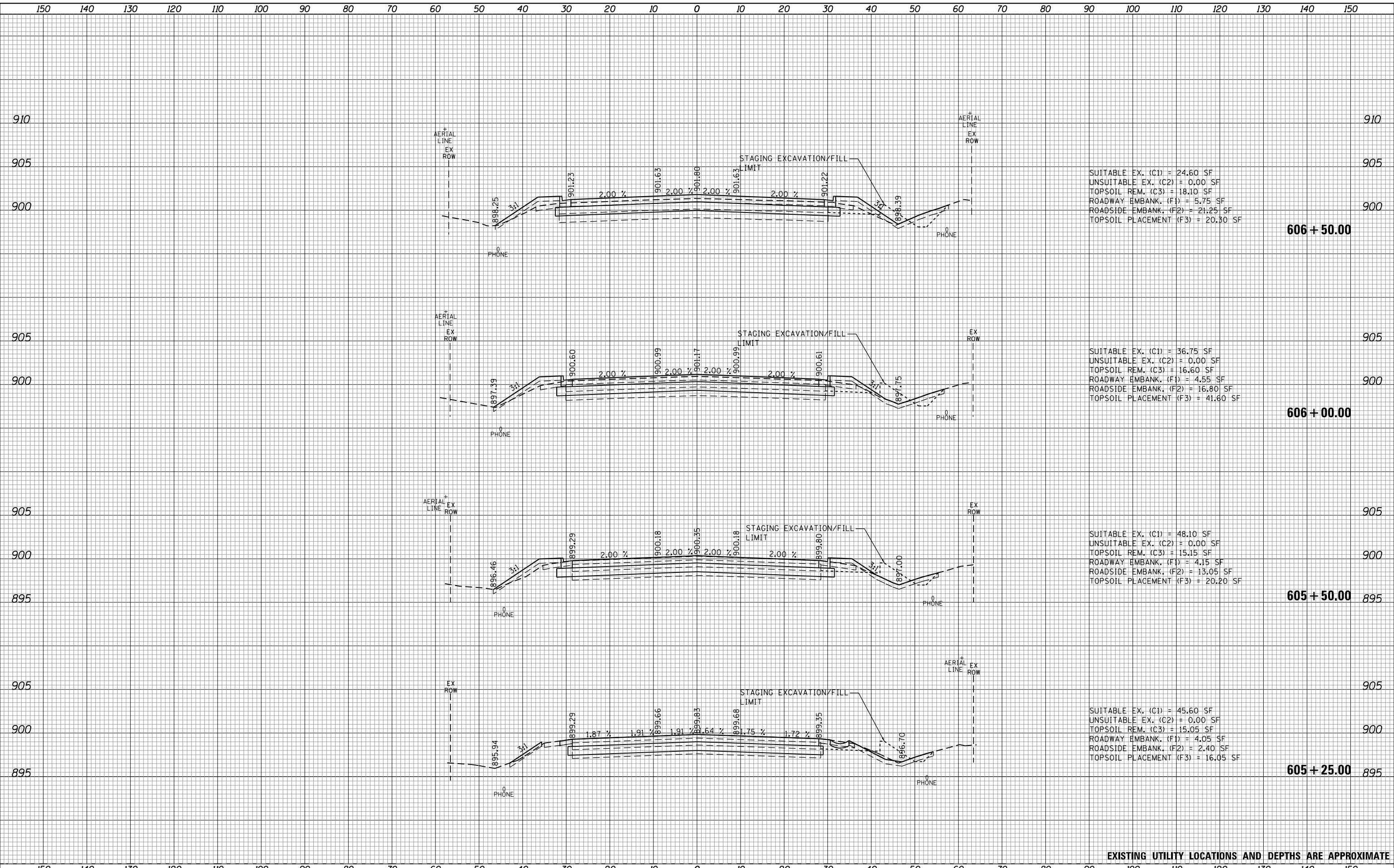
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	167
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
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SUITABLE EX. (C1) = 24.60 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 18.10 SF  
 ROADWAY EMBANK. (F1) = 5.75 SF  
 ROADSIDE EMBANK. (F2) = 21.25 SF  
 TOPSOIL PLACEMENT (F3) = 20.30 SF

SUITABLE EX. (C1) = 36.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 16.60 SF  
 ROADWAY EMBANK. (F1) = 4.55 SF  
 ROADSIDE EMBANK. (F2) = 16.80 SF  
 TOPSOIL PLACEMENT (F3) = 41.60 SF

SUITABLE EX. (C1) = 48.10 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 15.15 SF  
 ROADWAY EMBANK. (F1) = 4.15 SF  
 ROADSIDE EMBANK. (F2) = 13.05 SF  
 TOPSOIL PLACEMENT (F3) = 20.20 SF

SUITABLE EX. (C1) = 45.60 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 15.05 SF  
 ROADWAY EMBANK. (F1) = 4.05 SF  
 ROADSIDE EMBANK. (F2) = 2.40 SF  
 TOPSOIL PLACEMENT (F3) = 16.05 SF

**606 + 50.00**

**606 + 00.00**

**605 + 50.00**

**605 + 25.00**

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ILLINOIS ROUTE 25**

SCALE: 1"=10'/5' SHEET 4 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	168
CONTRACT NO.			61F04	

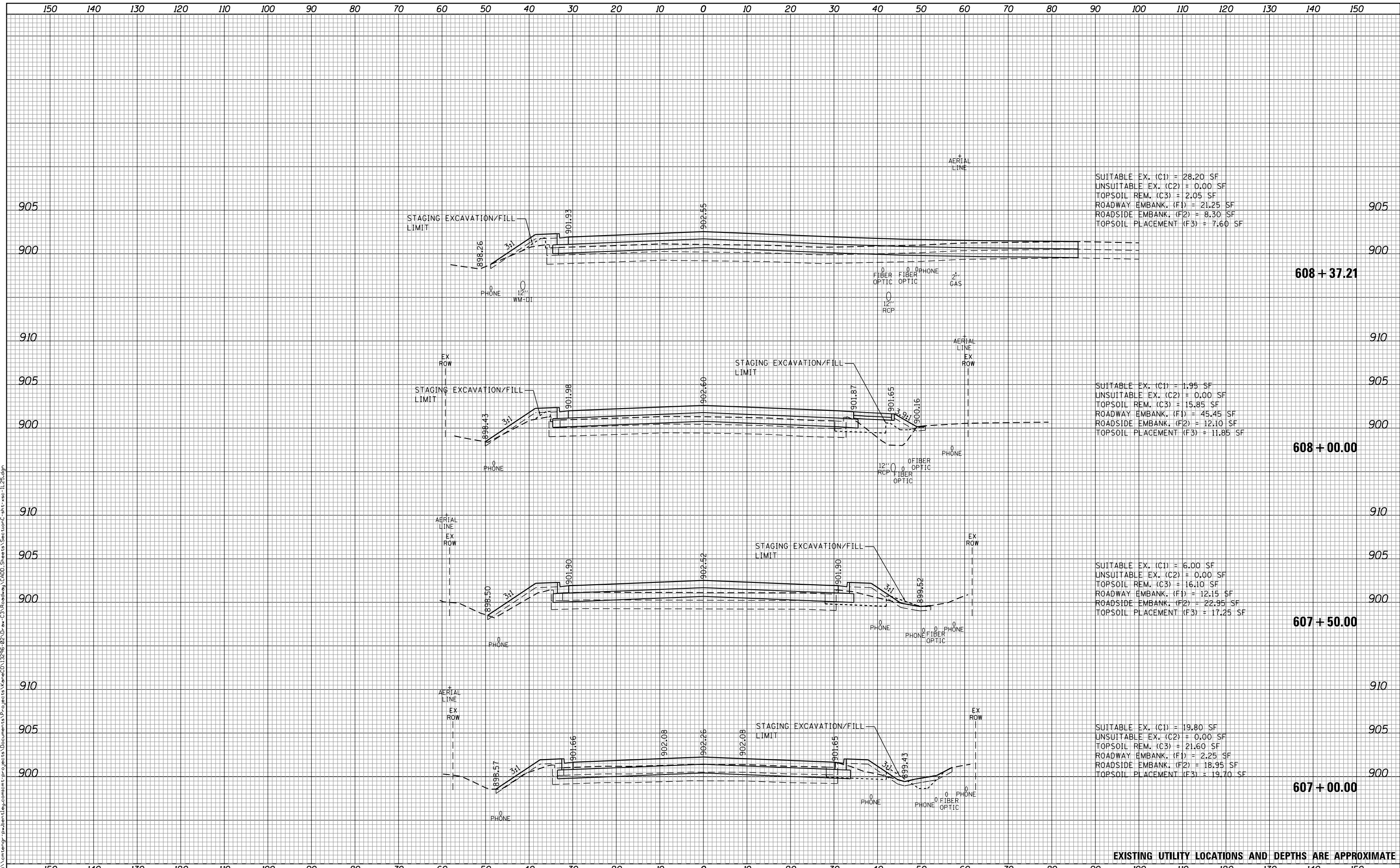
ILLINOIS FED. AID PROJECT



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
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FILE NAME: p:\1\cm\eng\p\abentley\comment\projects\Documents\Projects\Kane\CD\12296 02\Draw-C3\Roadway\CADD\_Sheets\SectionC-sh1-xpc-IL25.dgn



SUITABLE EX. (C1) = 28.20 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 2.05 SF  
 ROADWAY EMBANK. (F1) = 21.25 SF  
 ROADSIDE EMBANK. (F2) = 8.30 SF  
 TOPSOIL PLACEMENT (F3) = 7.60 SF

SUITABLE EX. (C1) = 1.95 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 15.85 SF  
 ROADWAY EMBANK. (F1) = 45.45 SF  
 ROADSIDE EMBANK. (F2) = 12.10 SF  
 TOPSOIL PLACEMENT (F3) = 11.85 SF

SUITABLE EX. (C1) = 6.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 16.10 SF  
 ROADWAY EMBANK. (F1) = 12.15 SF  
 ROADSIDE EMBANK. (F2) = 22.95 SF  
 TOPSOIL PLACEMENT (F3) = 17.25 SF

SUITABLE EX. (C1) = 19.80 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 21.60 SF  
 ROADWAY EMBANK. (F1) = 2.25 SF  
 ROADSIDE EMBANK. (F2) = 18.95 SF  
 TOPSOIL PLACEMENT (F3) = 19.70 SF

608 + 37.21

608 + 00.00

607 + 50.00

607 + 00.00

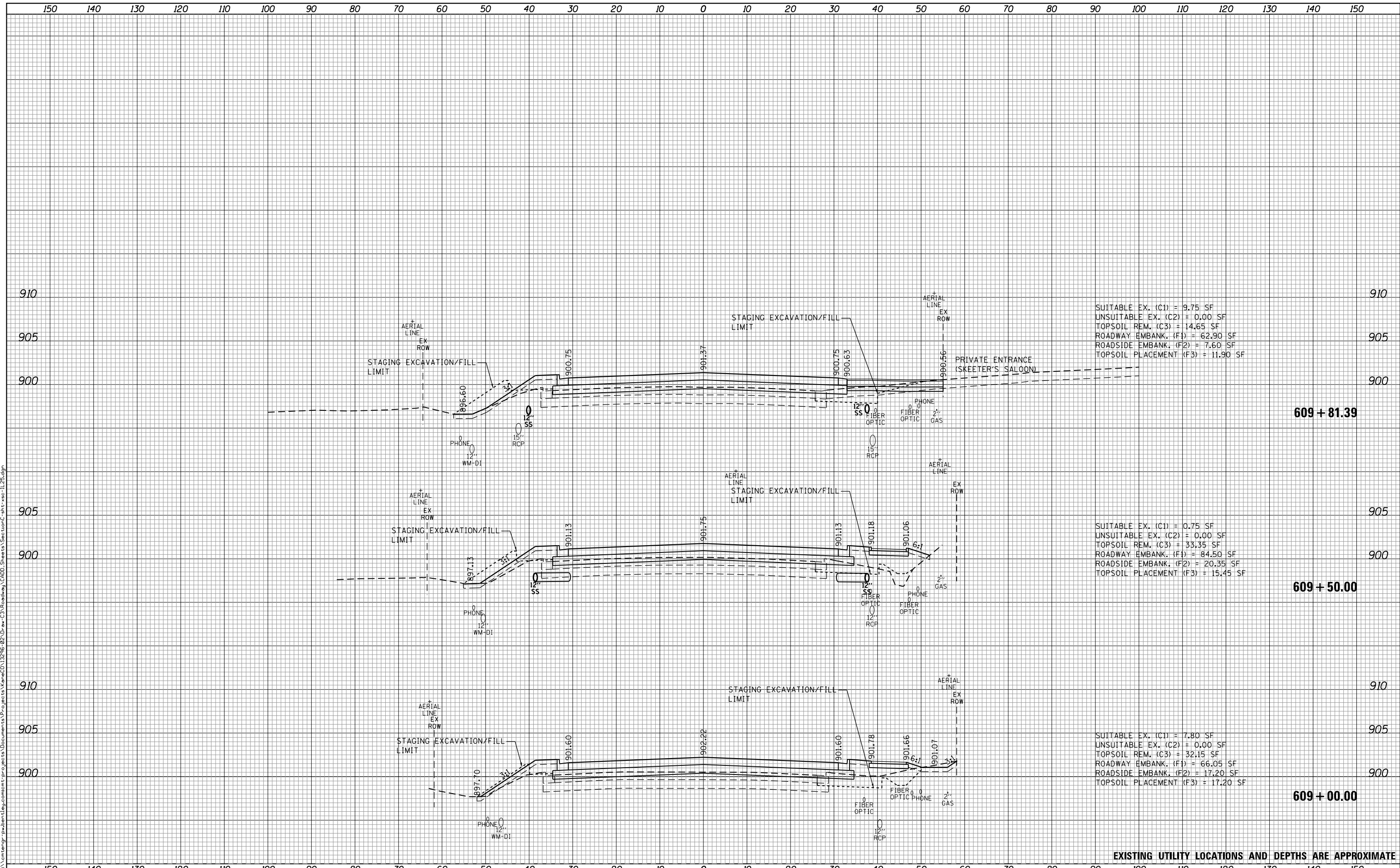
EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

	USER NAME = Mike Moes	DESIGNED - BRF	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>ILLINOIS ROUTE 25</b>		F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 20.0000' / in.	DRAWN - BRF	REVISED -		SCALE: 1"=10'/5'	SHEET 5	OF 15 SHEETS	STA.	TO STA.	2298	18-00215-22-CH	KANE	195
	PLOT DATE = 9/6/2018	CHECKED - JMS	REVISED -								CONTRACT NO. 61F04		
		DATE - 9/6/2018	REVISED -								ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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SUITABLE EX. (C1) = 9.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 14.65 SF  
 ROADWAY EMBANK. (F1) = 62.90 SF  
 ROADSIDE EMBANK. (F2) = 7.60 SF  
 TOPSOIL PLACEMENT (F3) = 11.90 SF

SUITABLE EX. (C1) = 0.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 33.35 SF  
 ROADWAY EMBANK. (F1) = 84.50 SF  
 ROADSIDE EMBANK. (F2) = 20.35 SF  
 TOPSOIL PLACEMENT (F3) = 15.45 SF

SUITABLE EX. (C1) = 7.80 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 32.15 SF  
 ROADWAY EMBANK. (F1) = 66.05 SF  
 ROADSIDE EMBANK. (F2) = 17.20 SF  
 TOPSOIL PLACEMENT (F3) = 17.20 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25

SCALE: 1"=10'/5' SHEET 6 OF 15 SHEETS STA. TO STA.

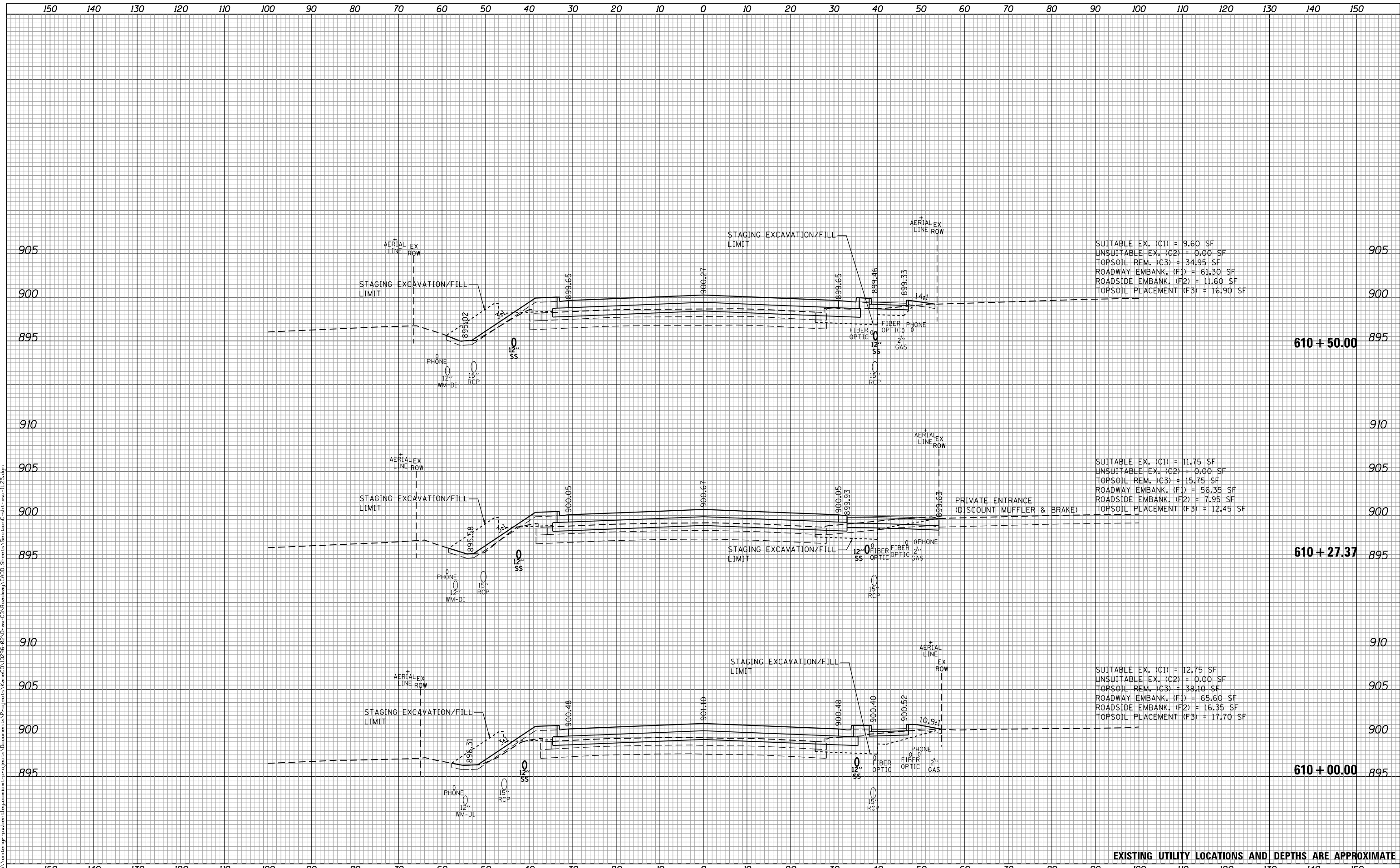
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	170
			CONTRACT NO. 61F04	

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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ORIGINAL SURVEY	
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TEMPLATE	
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FILE NAME: p:\1\m\temp\pwbentley\comment\projects\Documents\Projects\Kane\CD\12296 02\Draw-C3\Roadway\CADD\_Sheets\SectionC-sh1-xsc-IL25.dgn



SUITABLE EX. (C1) = 9.60 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 34.95 SF  
 ROADWAY EMBANK. (F1) = 61.30 SF  
 ROADSIDE EMBANK. (F2) = 11.60 SF  
 TOPSOIL PLACEMENT (F3) = 16.90 SF

SUITABLE EX. (C1) = 11.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 15.75 SF  
 ROADWAY EMBANK. (F1) = 56.35 SF  
 ROADSIDE EMBANK. (F2) = 7.95 SF  
 TOPSOIL PLACEMENT (F3) = 12.45 SF

SUITABLE EX. (C1) = 12.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 38.10 SF  
 ROADWAY EMBANK. (F1) = 65.60 SF  
 ROADSIDE EMBANK. (F2) = 16.35 SF  
 TOPSOIL PLACEMENT (F3) = 17.70 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

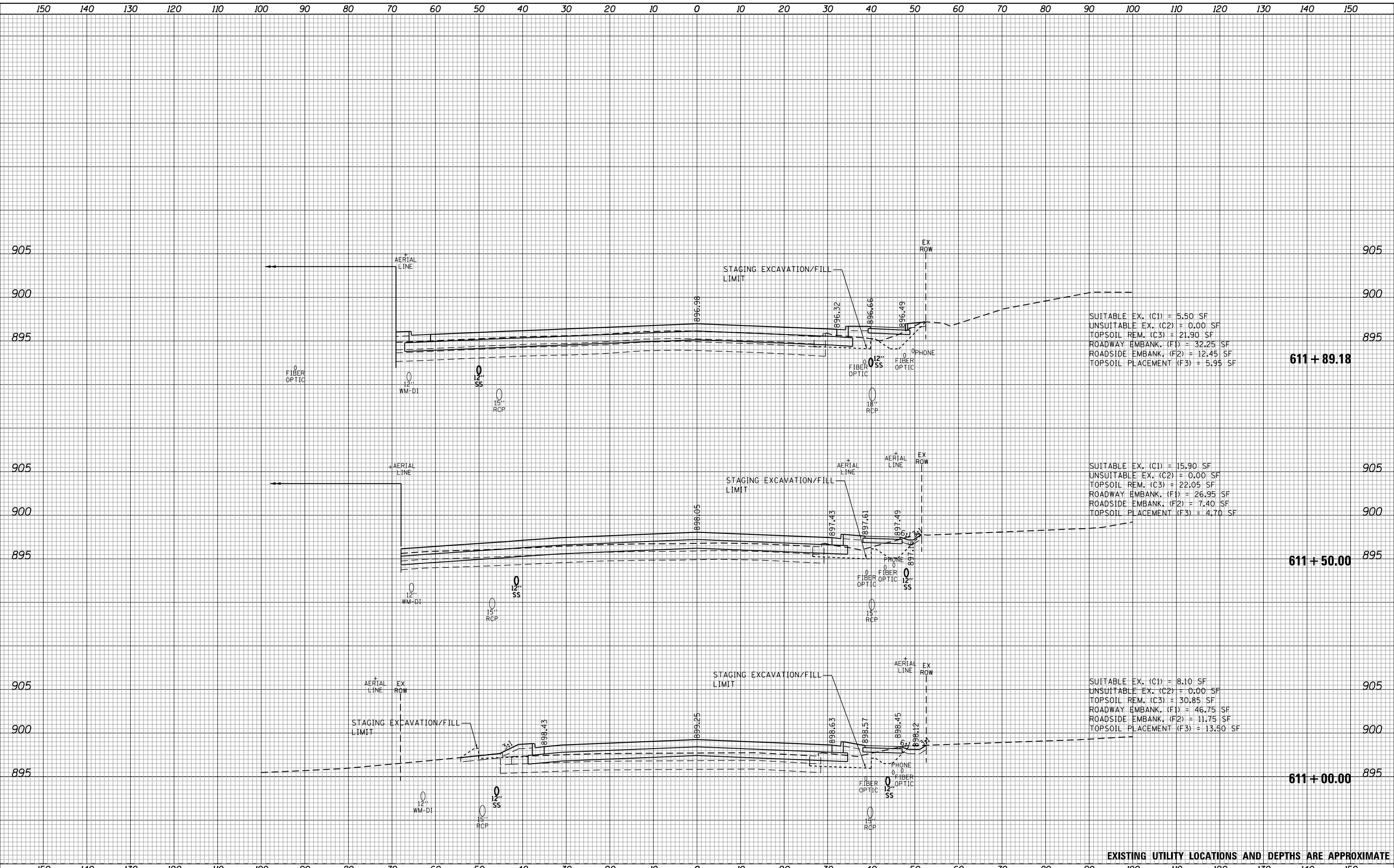
	USER NAME = Mike Moes	DESIGNED - BRF	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>ILLINOIS ROUTE 25</b>		F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISED -		SCALE: 1"=10'/5'	SHEET 7	OF 15 SHEETS	STA.	TO STA.	2298	18-00215-22-CH	KANE	195
	PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -								CONTRACT NO. 61F04		

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ILLINOIS ROUTE 25**  
SCALE: 1"=10'/5' SHEET 8 OF 15 SHEETS STA. TO STA.

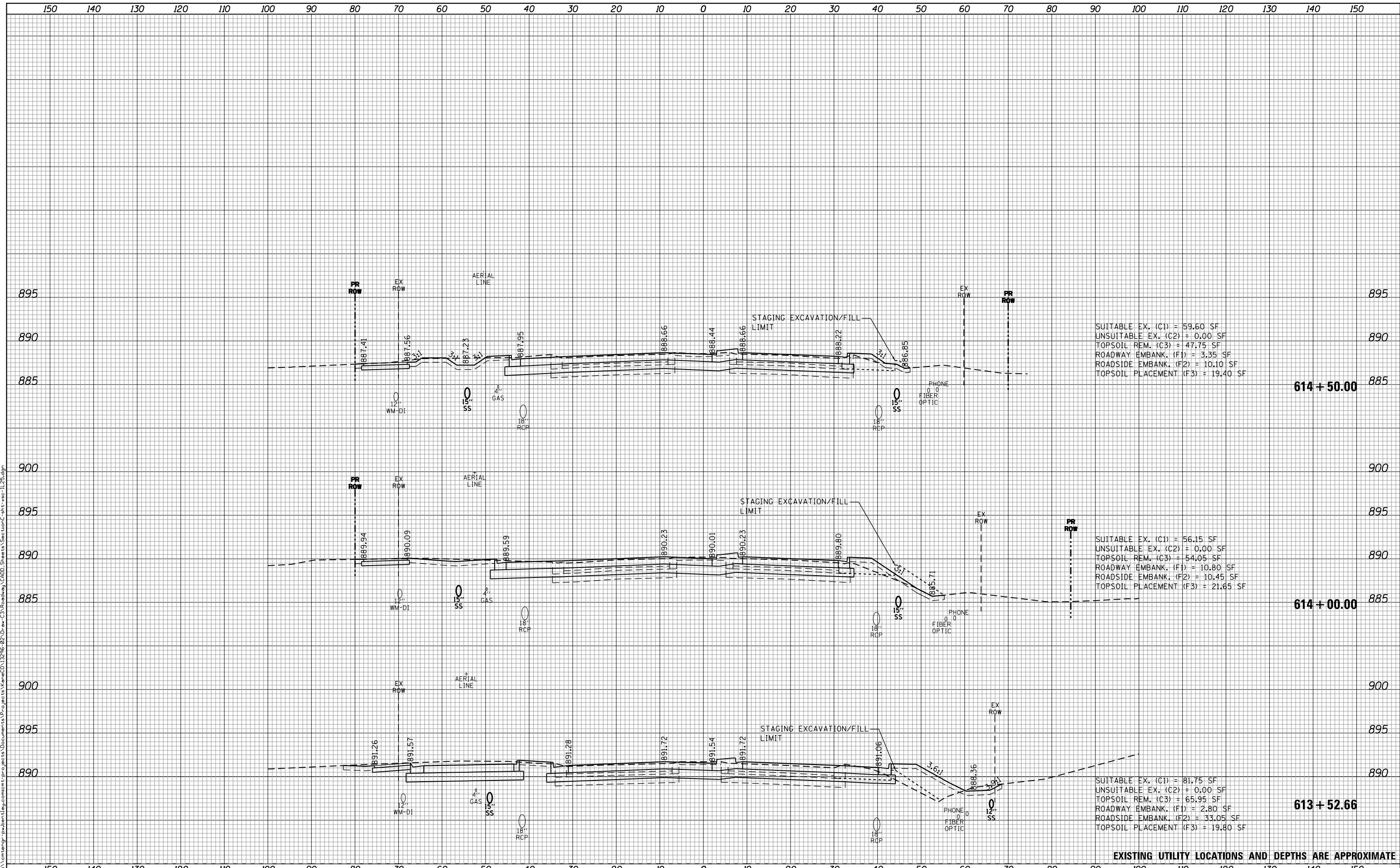
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	172
CONTRACT NO.			61F04	

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME: Mike Moes  
 PLOT SCALE: 20.0000' / in.  
 PLOT DATE: 9/6/2018

DESIGNED - BRF  
 DRAWN - BRF  
 CHECKED - JMS  
 DATE - 9/6/2018

REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25

SCALE: 1"=10'/5' SHEET 9 OF 15 SHEETS STA. TO STA.

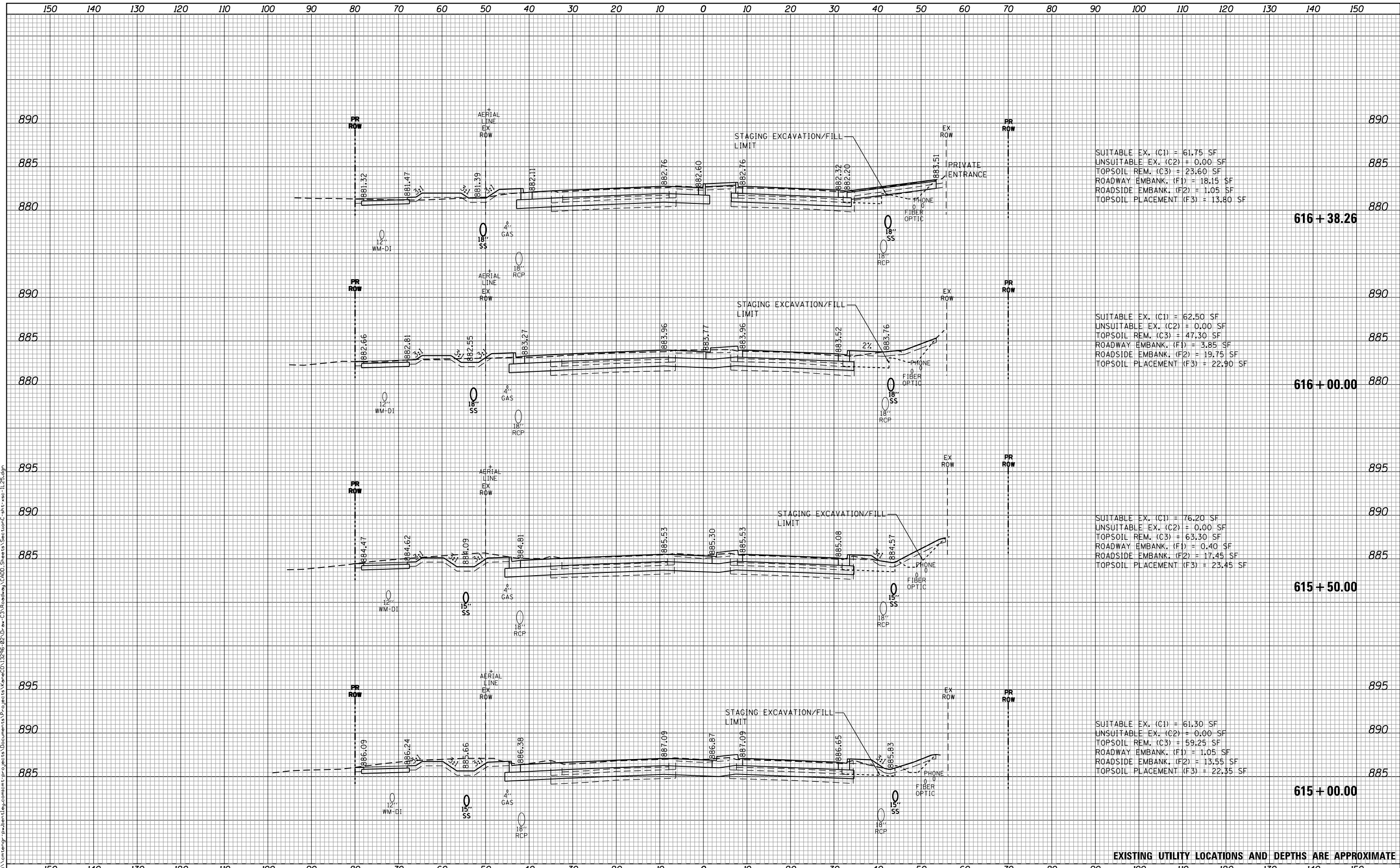
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	173
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

DATE	
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ORIGINAL SURVEY	
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FINAL SURVEY	
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ORIGINAL SURVEY	
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FINAL SURVEY	
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SUITABLE EX. (C1) = 61.75 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 23.60 SF  
 ROADWAY EMBANK. (F1) = 18.15 SF  
 ROADSIDE EMBANK. (F2) = 1.05 SF  
 TOPSOIL PLACEMENT (F3) = 13.80 SF

SUITABLE EX. (C1) = 62.50 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 47.30 SF  
 ROADWAY EMBANK. (F1) = 3.85 SF  
 ROADSIDE EMBANK. (F2) = 19.75 SF  
 TOPSOIL PLACEMENT (F3) = 22.90 SF

SUITABLE EX. (C1) = 76.20 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 63.30 SF  
 ROADWAY EMBANK. (F1) = 0.40 SF  
 ROADSIDE EMBANK. (F2) = 17.45 SF  
 TOPSOIL PLACEMENT (F3) = 23.45 SF

SUITABLE EX. (C1) = 61.30 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 59.25 SF  
 ROADWAY EMBANK. (F1) = 1.05 SF  
 ROADSIDE EMBANK. (F2) = 13.55 SF  
 TOPSOIL PLACEMENT (F3) = 22.35 SF

616 + 38.26

616 + 00.00

615 + 50.00

615 + 00.00

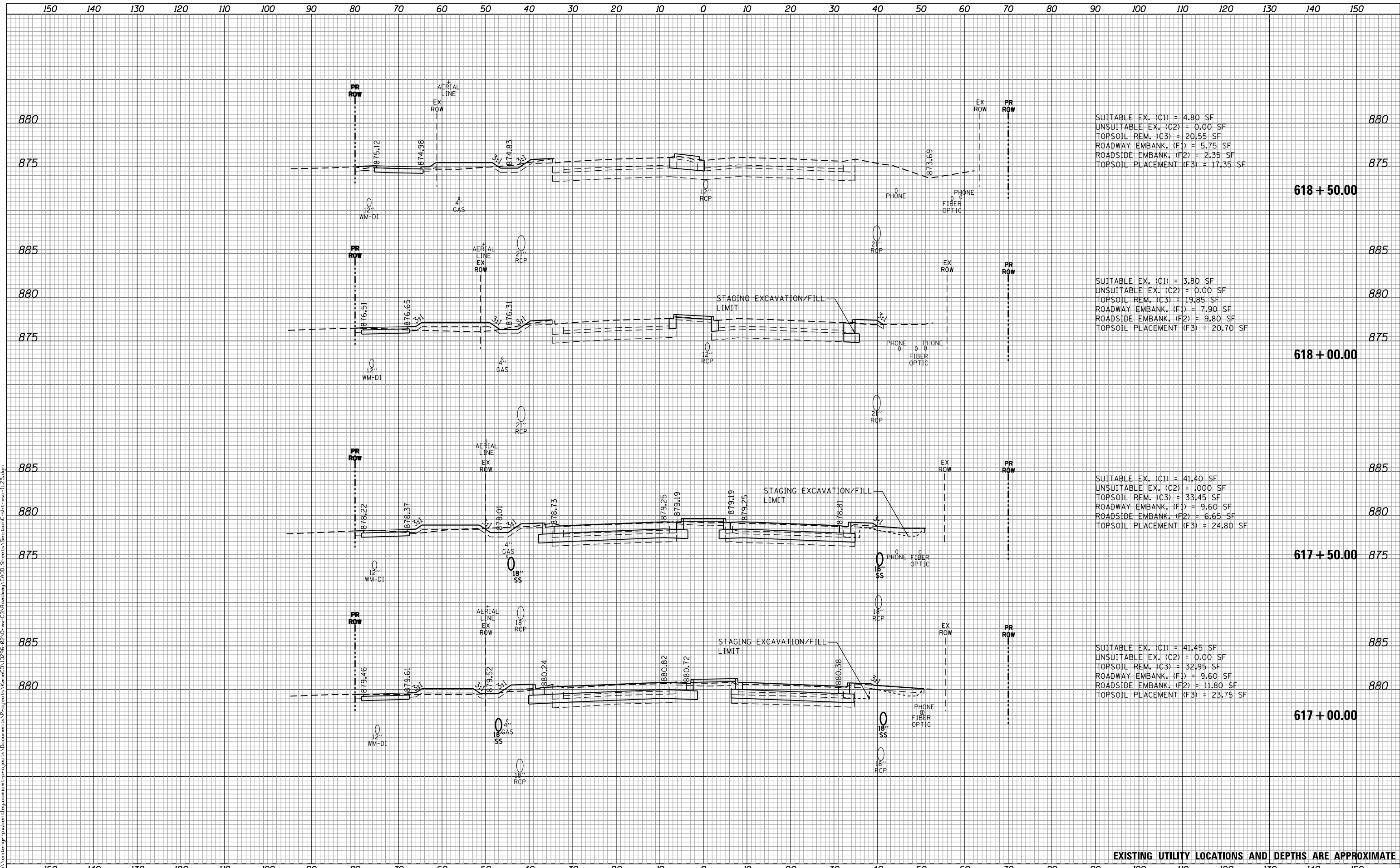
EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

	USER NAME = Mike Moes	DESIGNED - BRF	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>ILLINOIS ROUTE 25</b>		F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 20.0000' / in.	DRAWN - BRF	REVISED -		SCALE: 1"=10'/5'	SHEET 10	OF 15 SHEETS	STA.	TO STA.	2298	18-00215-22-CH	KANE	195
	PLOT DATE = 9/6/2018	CHECKED - JMS	REVISED -								CONTRACT NO. 61F04		
		DATE - 9/6/2018	REVISED -								ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
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SUITABLE EX. (C1) = 4.80 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 20.55 SF  
 ROADWAY EMBANK. (F1) = 5.75 SF  
 ROADSIDE EMBANK. (F2) = 2.35 SF  
 TOPSOIL PLACEMENT (F3) = 17.35 SF

SUITABLE EX. (C1) = 3.80 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 19.85 SF  
 ROADWAY EMBANK. (F1) = 7.90 SF  
 ROADSIDE EMBANK. (F2) = 9.80 SF  
 TOPSOIL PLACEMENT (F3) = 20.70 SF

SUITABLE EX. (C1) = 41.40 SF  
 UNSUITABLE EX. (C2) = .000 SF  
 TOPSOIL REM. (C3) = 33.45 SF  
 ROADWAY EMBANK. (F1) = 9.60 SF  
 ROADSIDE EMBANK. (F2) = 6.65 SF  
 TOPSOIL PLACEMENT (F3) = 24.80 SF

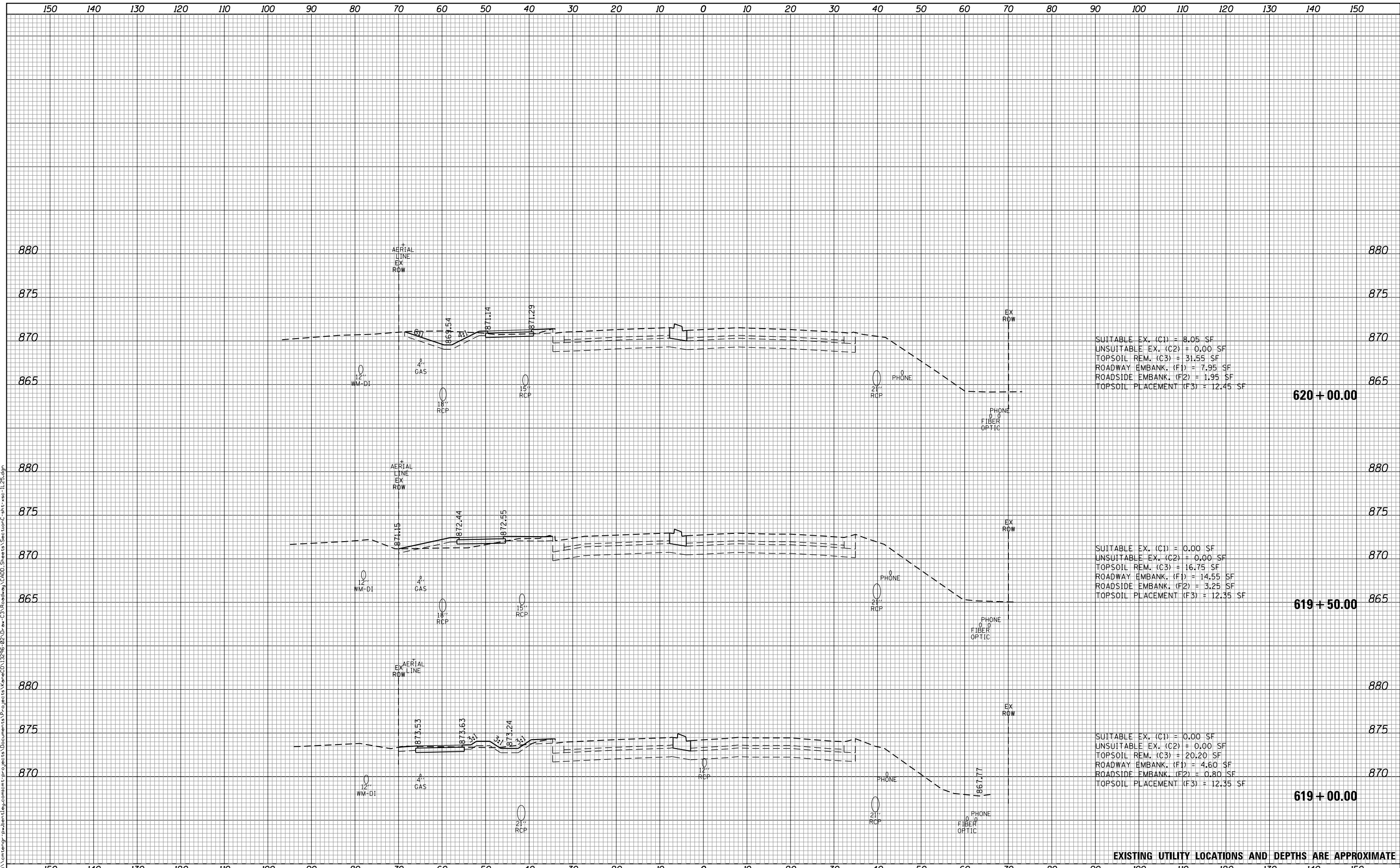
SUITABLE EX. (C1) = 41.45 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 32.95 SF  
 ROADWAY EMBANK. (F1) = 9.60 SF  
 ROADSIDE EMBANK. (F2) = 11.80 SF  
 TOPSOIL PLACEMENT (F3) = 23.75 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

FILE NAME = p:\1\m\temp\pawbentley\comment\projects\Documents\Projects\Kane\CD\12296 02\Draw-C3\Roadway\CADD\_Sheets\Section-C-h1-xpc-IL25.dgn



SUITABLE EX. (C1) = 8.05 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 31.55 SF  
 ROADWAY EMBANK. (F1) = 7.95 SF  
 ROADSIDE EMBANK. (F2) = 1.95 SF  
 TOPSOIL PLACEMENT (F3) = 12.45 SF

SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 16.75 SF  
 ROADWAY EMBANK. (F1) = 14.55 SF  
 ROADSIDE EMBANK. (F2) = 3.25 SF  
 TOPSOIL PLACEMENT (F3) = 12.35 SF

SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 20.20 SF  
 ROADWAY EMBANK. (F1) = 4.60 SF  
 ROADSIDE EMBANK. (F2) = 0.80 SF  
 TOPSOIL PLACEMENT (F3) = 12.35 SF

620 + 00.00

619 + 50.00

619 + 00.00

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - BRF	REVISED -
	DRAWN - BRF	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25

SCALE: 1"=10'/5' SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	176
CONTRACT NO. 61F04				

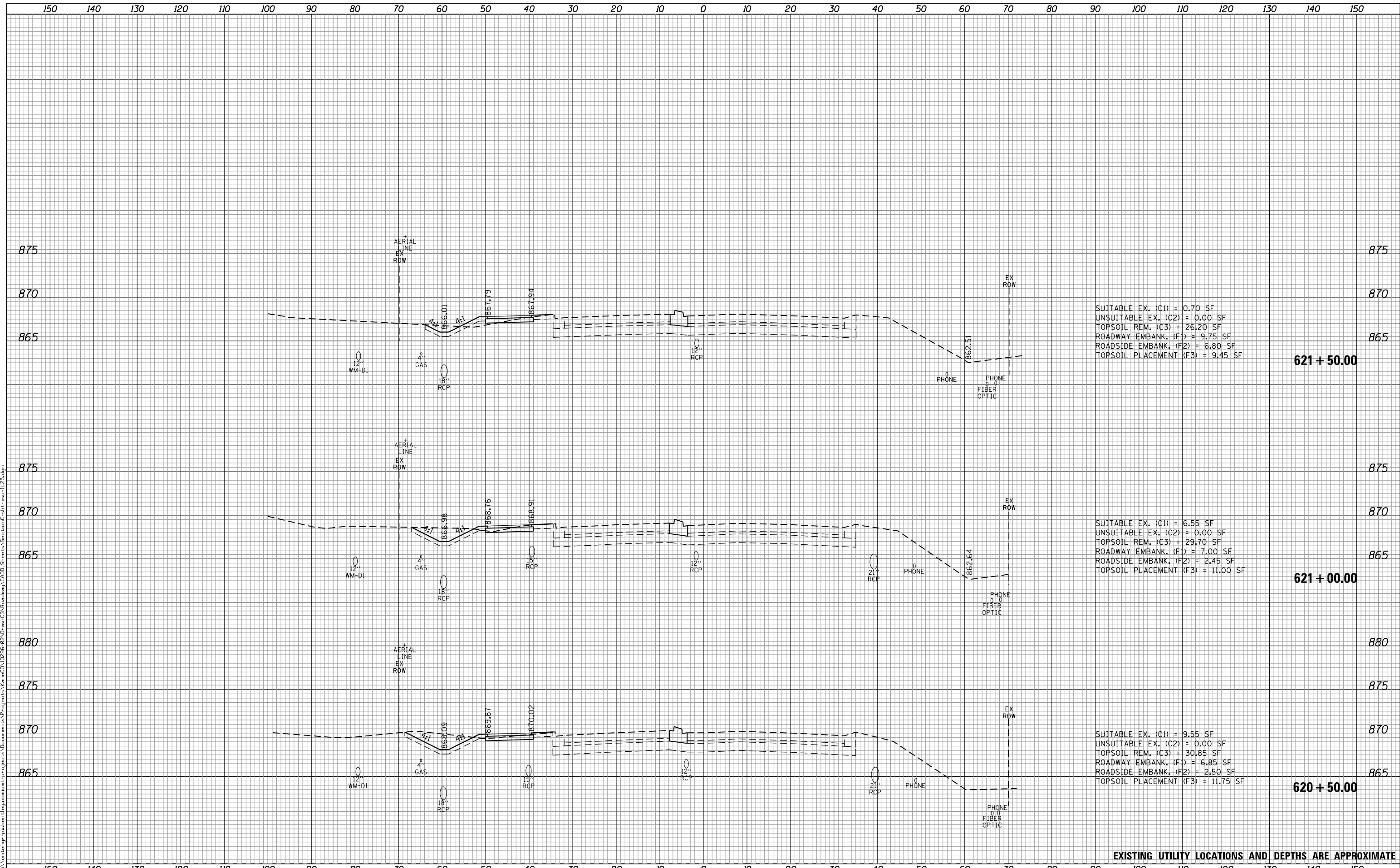
ILLINOIS FED. AID PROJECT



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

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

FILE NAME: p:\1\temp\pwbentley\comment\projects\Documents\Projects\Kane\CD\12296-02\Draw-C3\Roadway\CD\Sheets\Section\csh1.xls-IL25.dgn



621 + 50.00  
 SUITABLE EX. (C1) = 0.70 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 26.20 SF  
 ROADWAY EMBANK. (F1) = 9.75 SF  
 ROADSIDE EMBANK. (F2) = 6.80 SF  
 TOPSOIL PLACEMENT (F3) = 9.45 SF

621 + 00.00  
 SUITABLE EX. (C1) = 6.55 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 29.70 SF  
 ROADWAY EMBANK. (F1) = 7.00 SF  
 ROADSIDE EMBANK. (F2) = 2.45 SF  
 TOPSOIL PLACEMENT (F3) = 11.00 SF

620 + 50.00  
 SUITABLE EX. (C1) = 9.55 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 30.85 SF  
 ROADWAY EMBANK. (F1) = 6.85 SF  
 ROADSIDE EMBANK. (F2) = 2.50 SF  
 TOPSOIL PLACEMENT (F3) = 11.75 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 9/6/2018

REVISD	-
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REVISD	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25

SCALE: 1"=10'/5' SHEET 13 OF 15 SHEETS STA. TO STA.

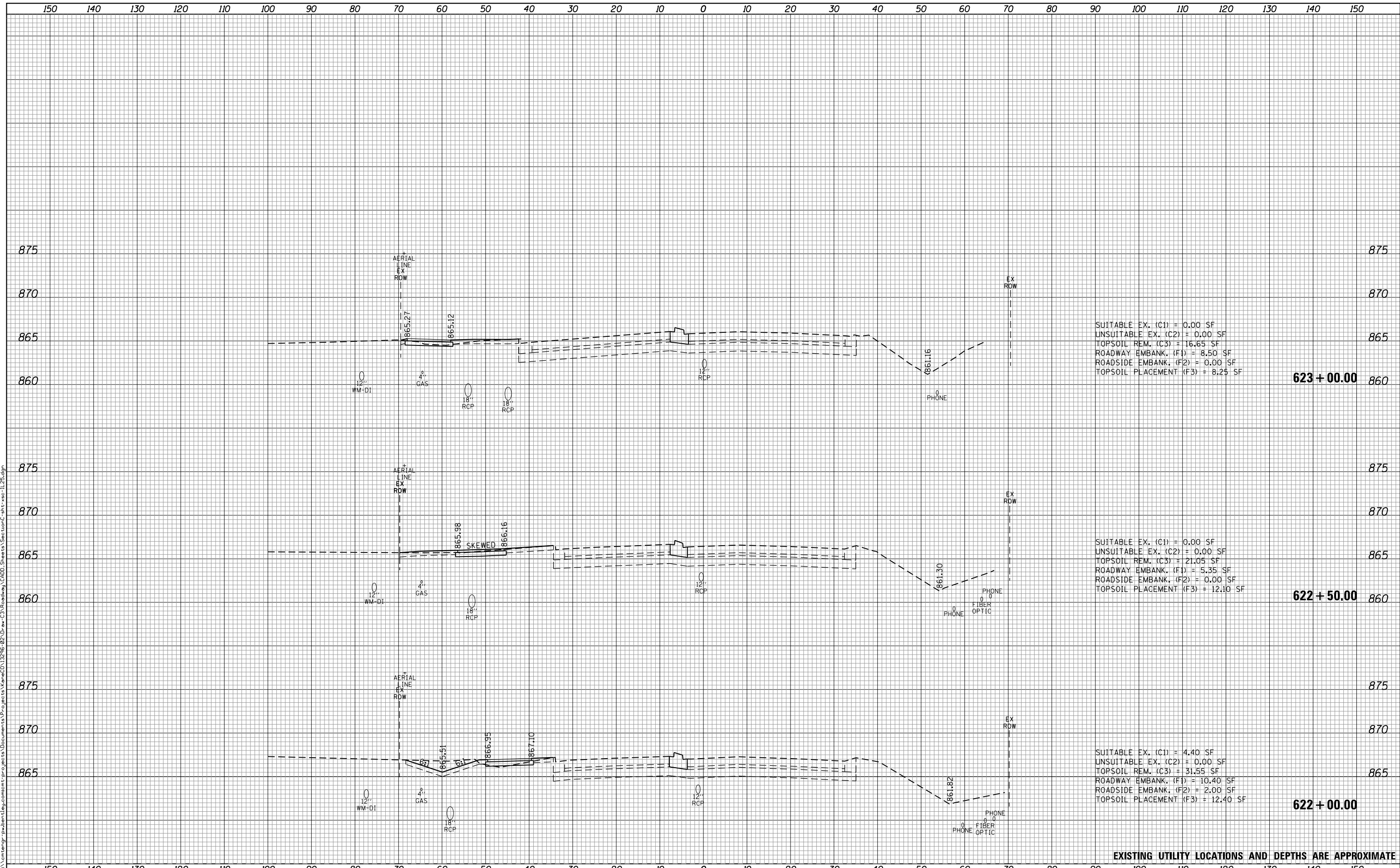
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	177
			CONTRACT NO. 61F04	

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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FILE NAME: p:\1\temp\pwbentley\comment\projects\Documents\Projects\Kane\CD\13296\22\CD-ar-C3\Roadway\CD\Sheets\Section\cshx-1L25.dgn



SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 16.65 SF  
 ROADWAY EMBANK. (F1) = 8.50 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 8.25 SF

SUITABLE EX. (C1) = 0.00 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 21.05 SF  
 ROADWAY EMBANK. (F1) = 5.35 SF  
 ROADSIDE EMBANK. (F2) = 0.00 SF  
 TOPSOIL PLACEMENT (F3) = 12.10 SF

SUITABLE EX. (C1) = 4.40 SF  
 UNSUITABLE EX. (C2) = 0.00 SF  
 TOPSOIL REM. (C3) = 31.55 SF  
 ROADWAY EMBANK. (F1) = 10.40 SF  
 ROADSIDE EMBANK. (F2) = 2.00 SF  
 TOPSOIL PLACEMENT (F3) = 12.40 SF

EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- BRF
DRAWN	- BRF
CHECKED	- JMS
DATE	- 9/6/2018
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 9/6/2018

REVISED	-
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REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25

SCALE: 1"=10'/5' SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	178
CONTRACT NO. 61F04				

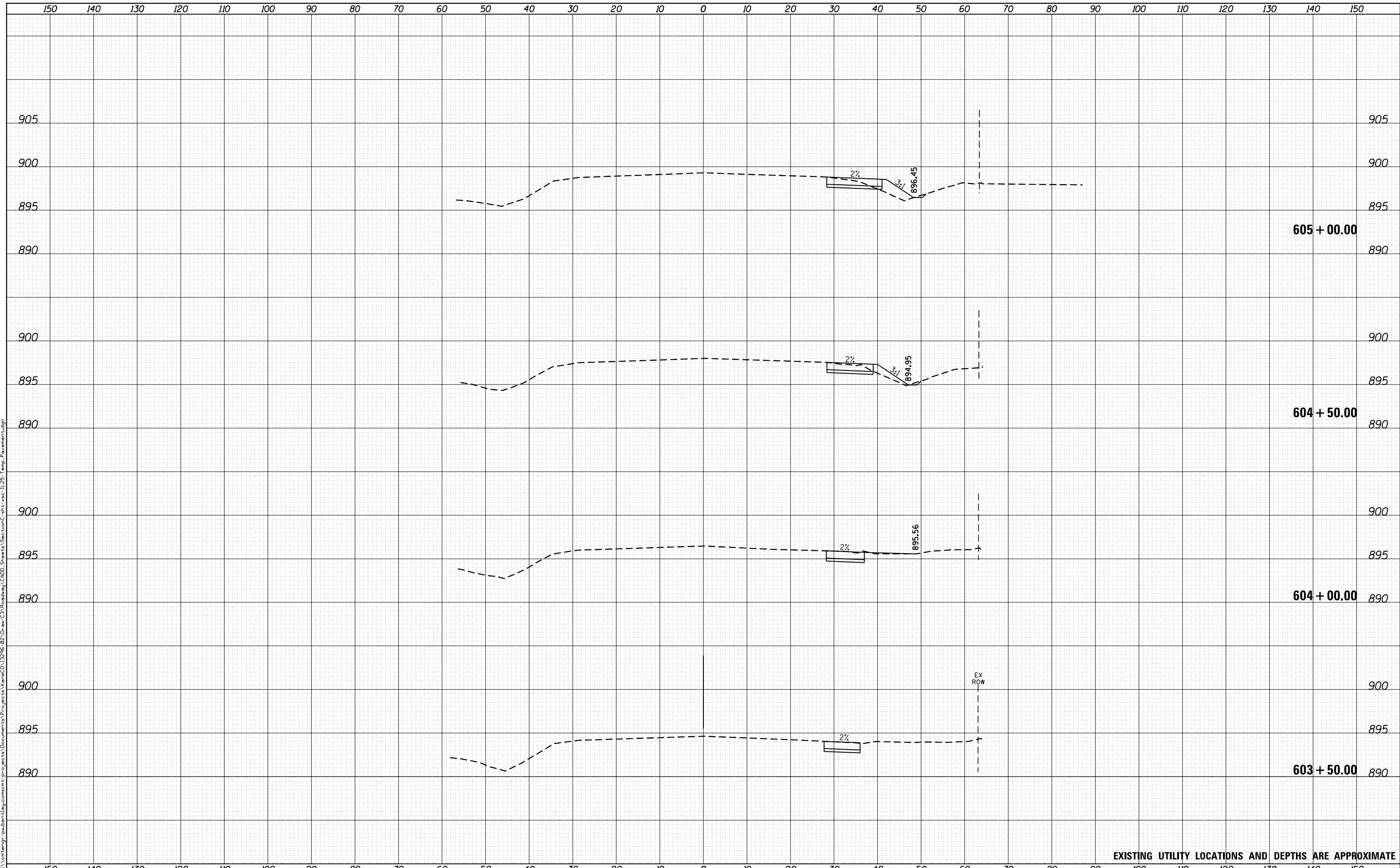
ILLINOIS FED. AID PROJECT



DATE	
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FINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK NO.	
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DATE	
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ORIGINAL SURVEY NO.	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - PFR	REVISED -
	DRAWN - PFR	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

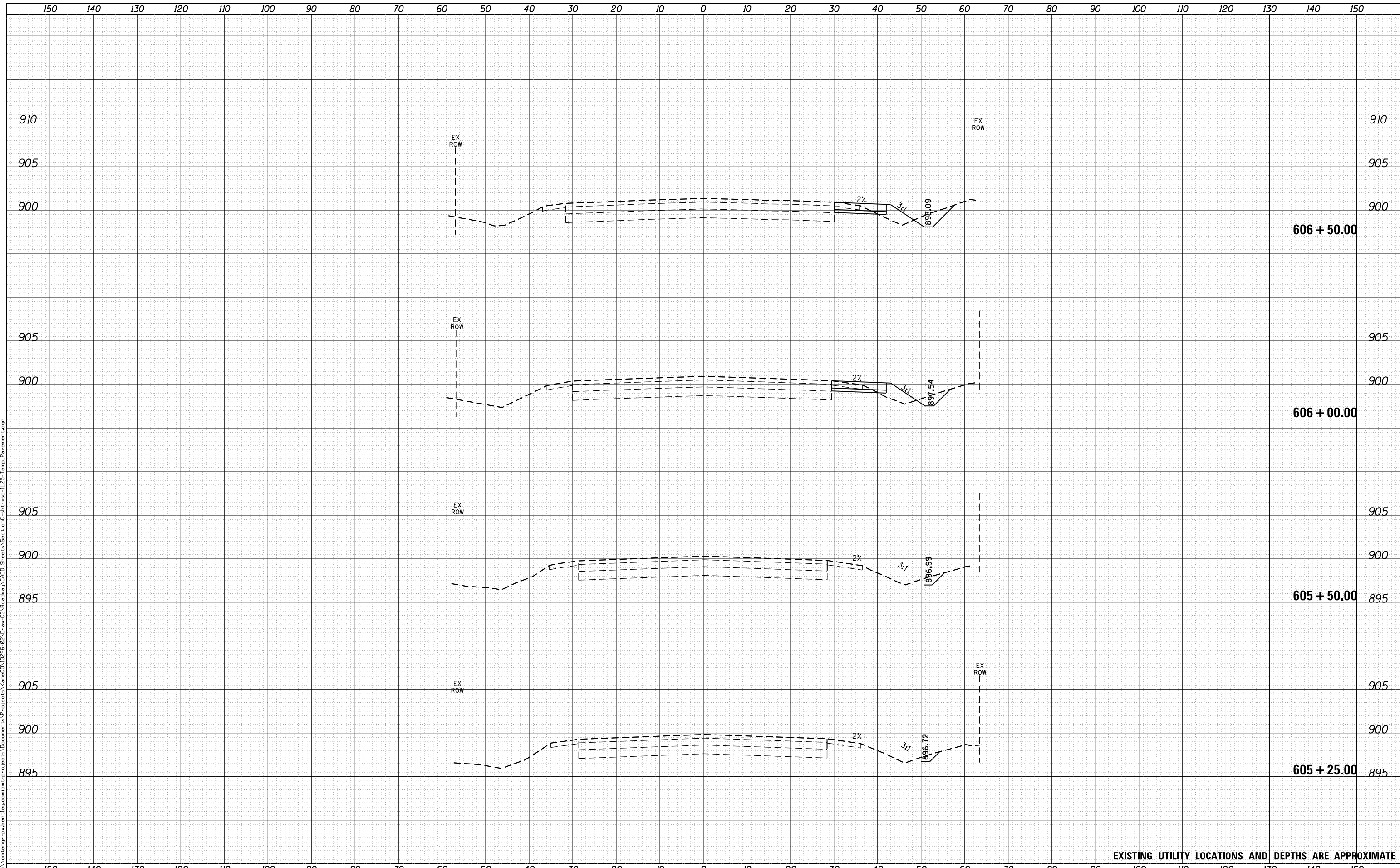
<b>CROSS SECTIONS ILLINOIS ROUTE 25 - STAGE 1</b>			
SCALE: 1"=10'/5'	SHEET 1	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	180
				CONTRACT NO. 61F04
ILLINOIS FED. AID PROJECT				

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

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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	= Mike Moes
DESIGNED	- PFR
DRAWN	- PFR
CHECKED	- JMS
DATE	- 9/6/2018
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 9/6/2018

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

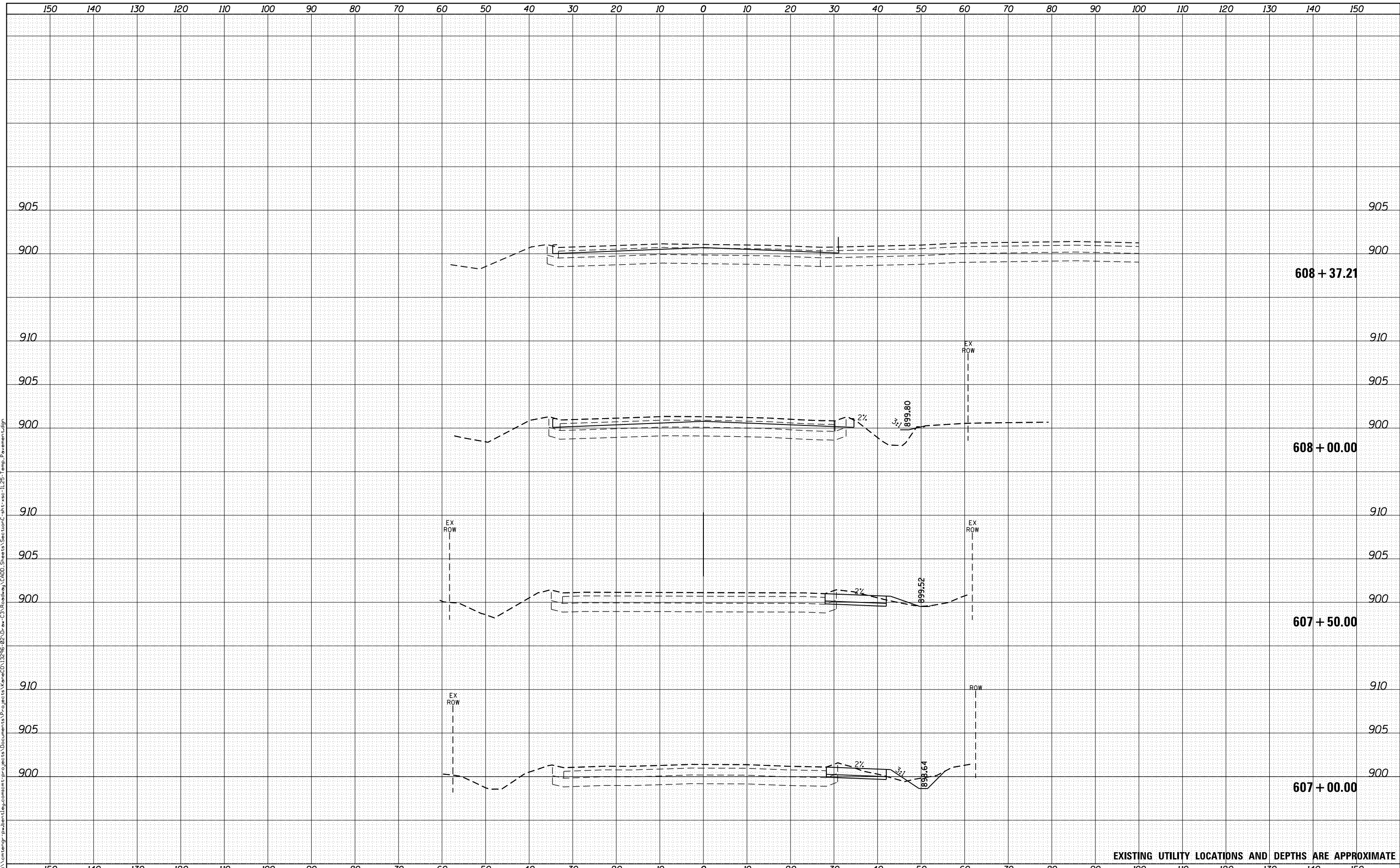
<b>CROSS SECTIONS</b>			
<b>ILLINOIS ROUTE 25 - STAGE 1</b>			
SCALE: 1"=10'/5'	SHEET 2	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	181
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY	
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TEMPLATE	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME - Mike Moes	DESIGNED - PFR	REVISIED -
	DRAWN - PFR	REVISIED -
PLOT SCALE - 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE - 9/6/2018	DATE - 9/6/2018	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

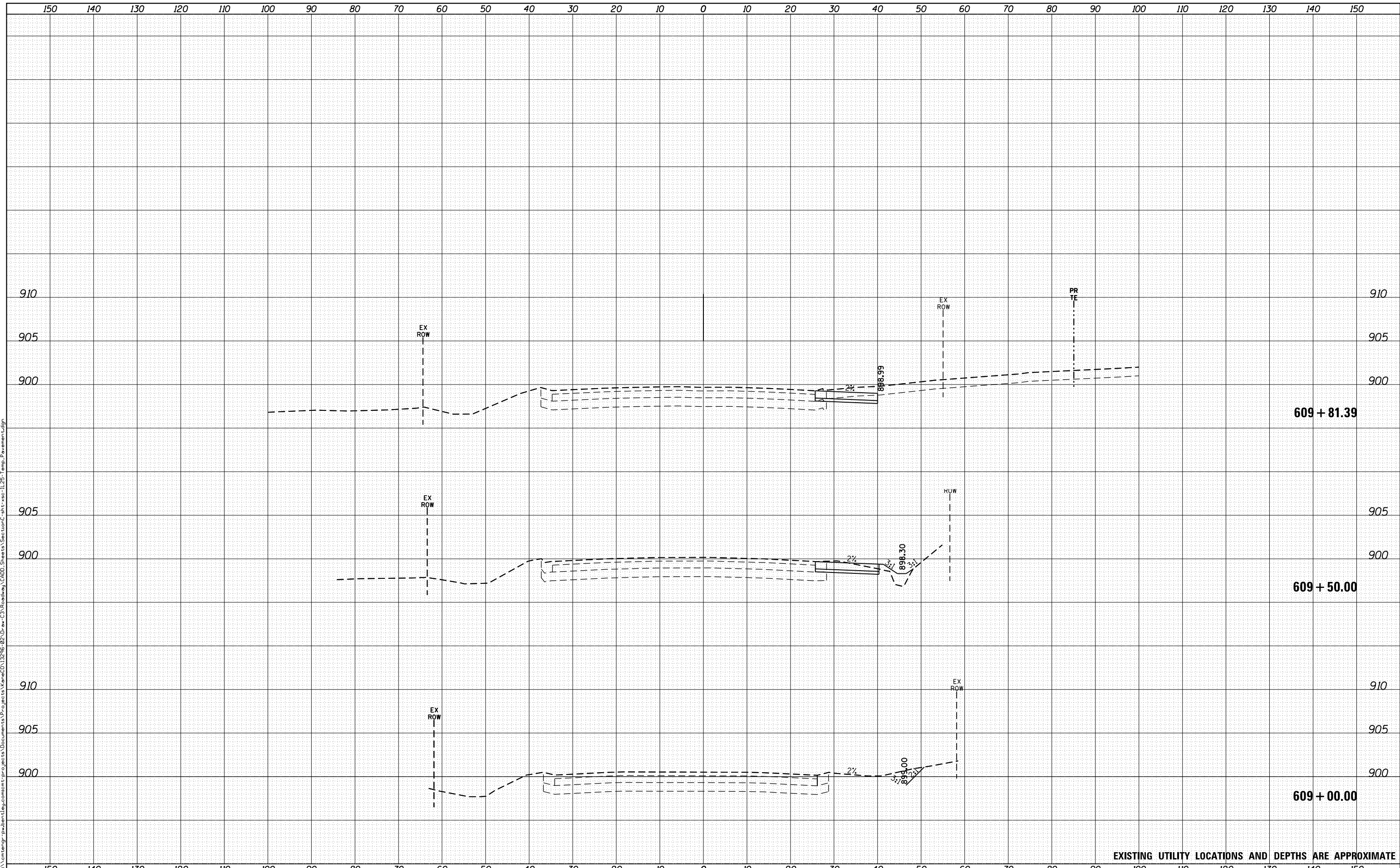
<b>CROSS SECTIONS</b>			
<b>ILLINOIS ROUTE 25 - STAGE 1</b>			
SCALE: 1"=10'/5'	SHEET 3	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	182
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	- Mike Moes	DESIGNED	- PFR	REVISED	-
		DRAWN	- PFR	REVISED	-
PLOT SCALE	- 20.0000' / in.	CHECKED	- JMS	REVISED	-
PLOT DATE	- 9/6/2018	DATE	- 9/6/2018	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ILLINOIS ROUTE 25 - STAGE 1**

SCALE: 1"=10'/5' SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	183
CONTRACT NO.			61F04	
ILLINOIS FED. AID PROJECT				

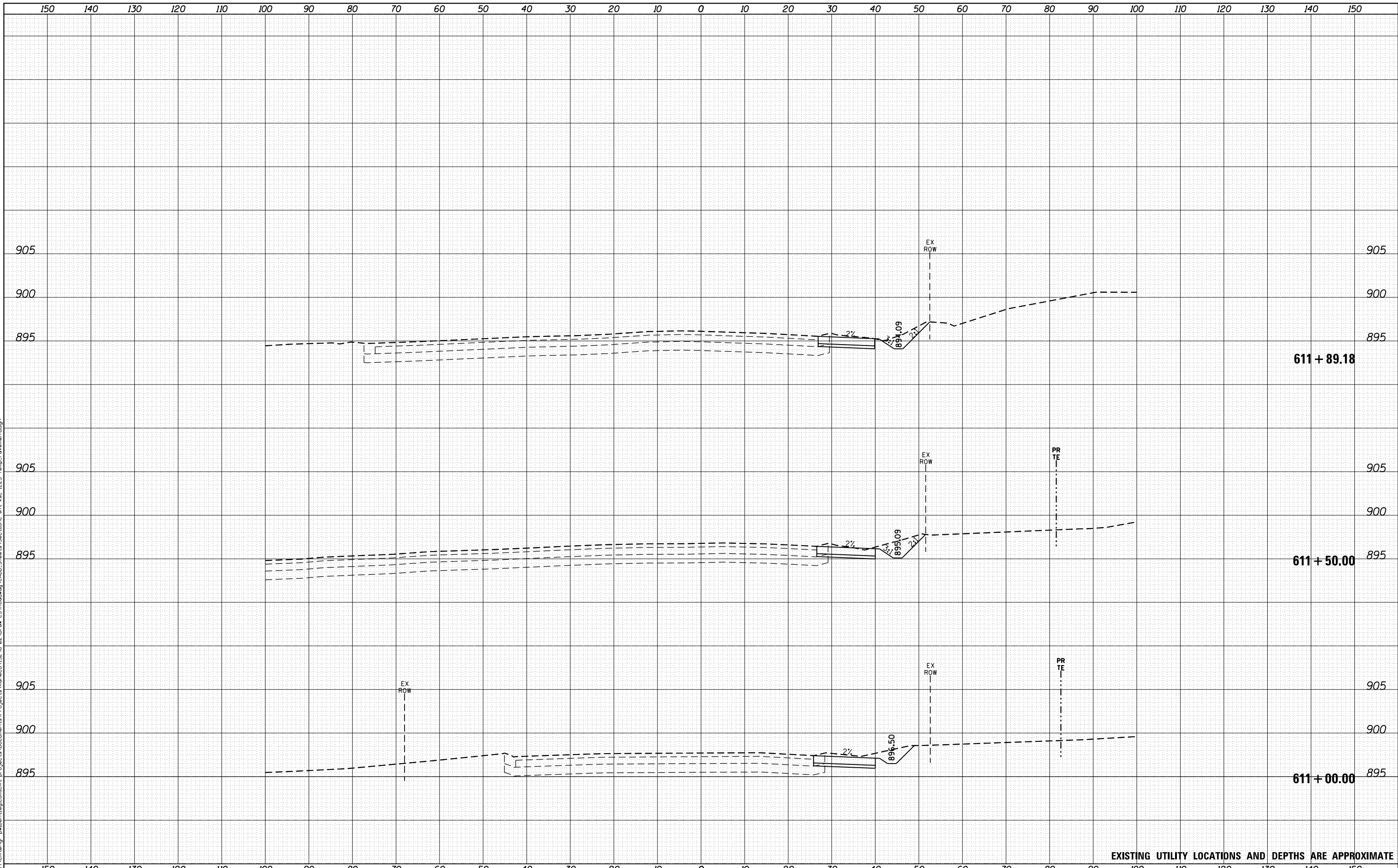




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BY	DATE
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NOTE BOOK	PLOTTED
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



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USER NAME = Mike Moes  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 9/6/2018

DESIGNED - PFR  
 DRAWN - PFR  
 CHECKED - JMS  
 DATE - 9/6/2018

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 ILLINOIS ROUTE 25 - STAGE 1

SCALE: 1"=10'/5' SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	185
CONTRACT NO. 61F04				

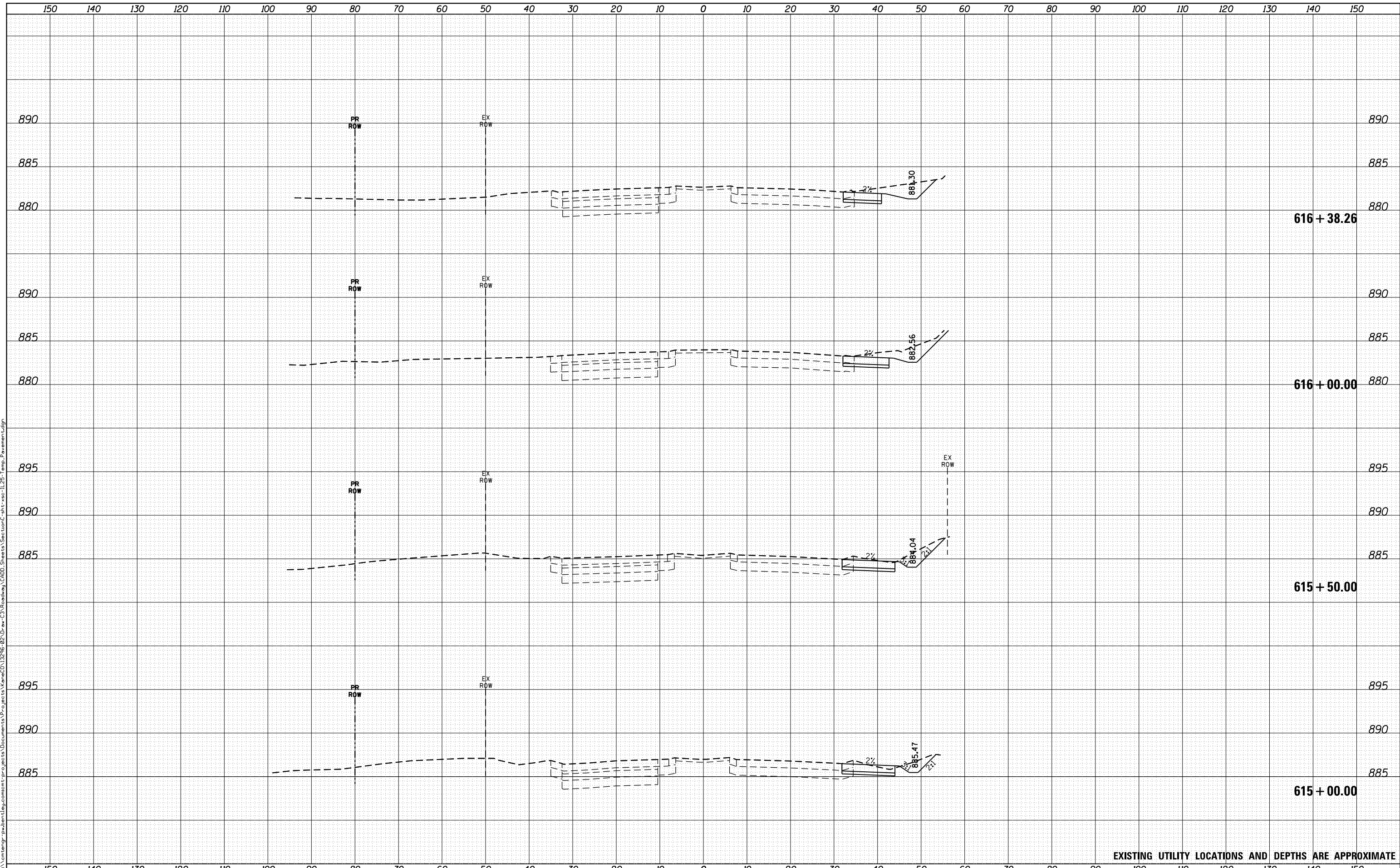
ILLINOIS FED. AID PROJECT



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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME = Mike Moes	DESIGNED - PFR	REVISIED -
	DRAWN - PFR	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE = 9/6/2018	DATE - 9/6/2018	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ILLINOIS ROUTE 25 - STAGE 1**

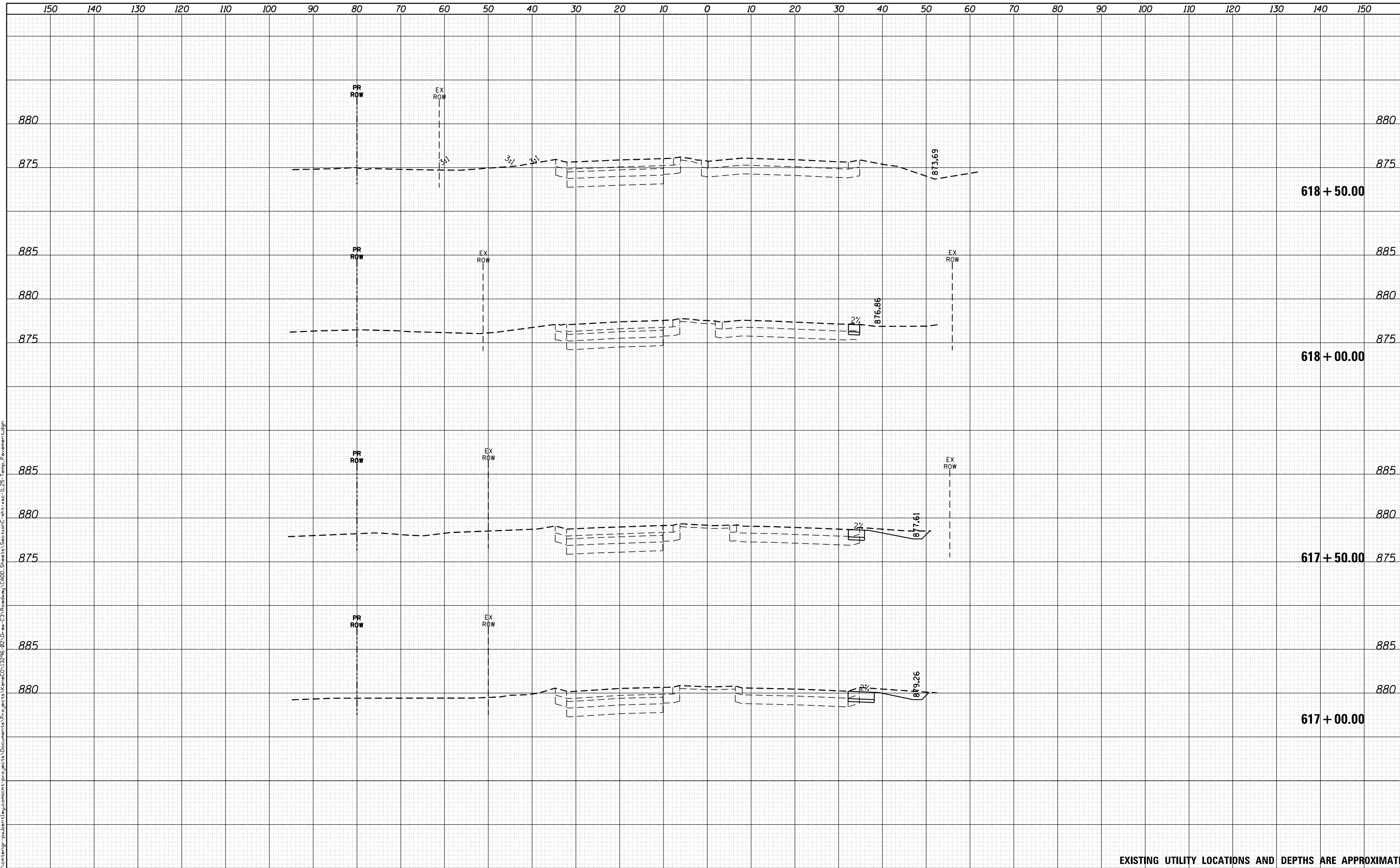
SCALE: 1"=10'/5' SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	187
CONTRACT NO. 61F04				

ILLINOIS FED. AID PROJECT

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
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ORIGINAL SURVEY	
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TEMPLATE	
AREAS CHECKED	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

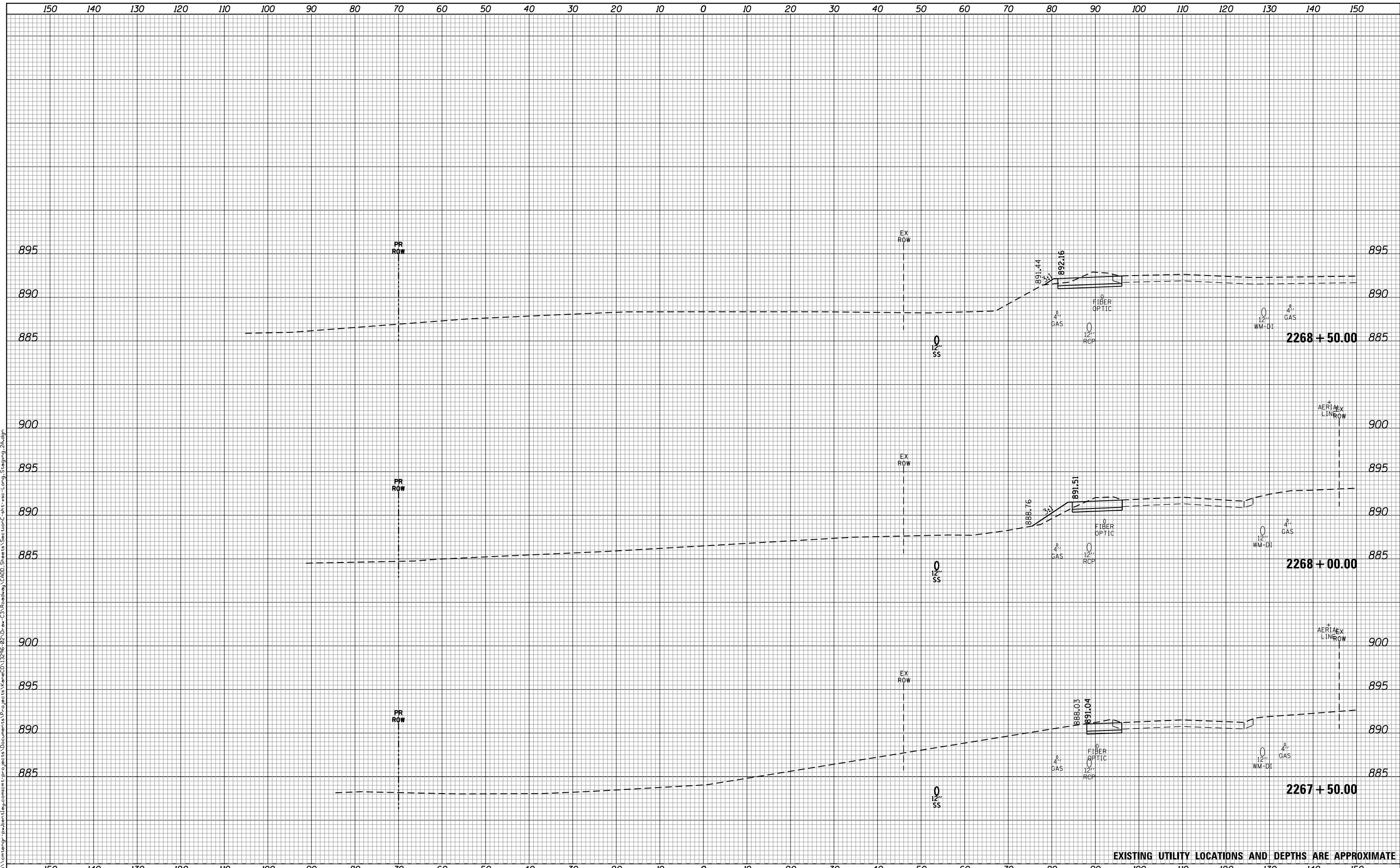




DATE	
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FINAL SURVEY NO.	
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ORIGINAL SURVEY NO.	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME - Mike Moes	DESIGNED - MPM	REVISIED -
	DRAWN - MPM	REVISIED -
PLOT SCALE - 20.0000' / 1"	CHECKED - JMS	REVISIED -
PLOT DATE - 9/6/2018	DATE - 9/6/2018	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
LONGMEADOW PARKWAY - STAGE 2A	
SCALE: 1"=10'/5'	STA. TO STA.
SHEET 2	OF 3 SHEETS

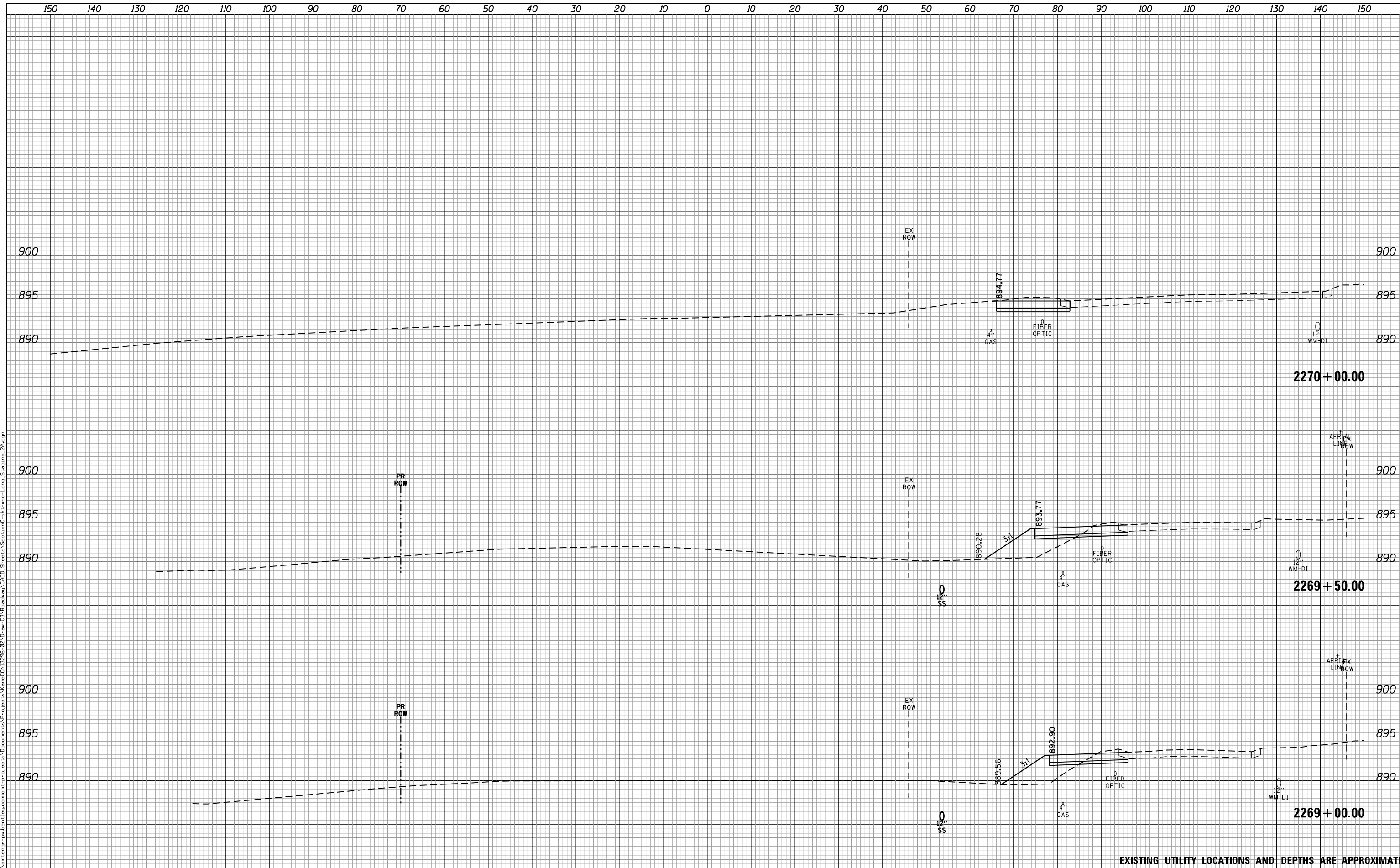
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	190
CONTRACT NO. 61F04				
ILLINOIS FED. AID PROJECT				



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

ORIGINAL SURVEY NO.	SURVEYED	DATE
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME - Mike Moes	DESIGNED - MPM	REVISIED -
	DRAWN - MPM	REVISIED -
PLOT SCALE - 20.0000' / in.	CHECKED - JMS	REVISIED -
PLOT DATE - 9/6/2018	DATE - 9/6/2018	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
LONGMEADOW PARKWAY - STAGE 2A	
SCALE: 1"=10'/5'	STA. TO STA.
SHEET 3	OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	191
				CONTRACT NO. 61F04

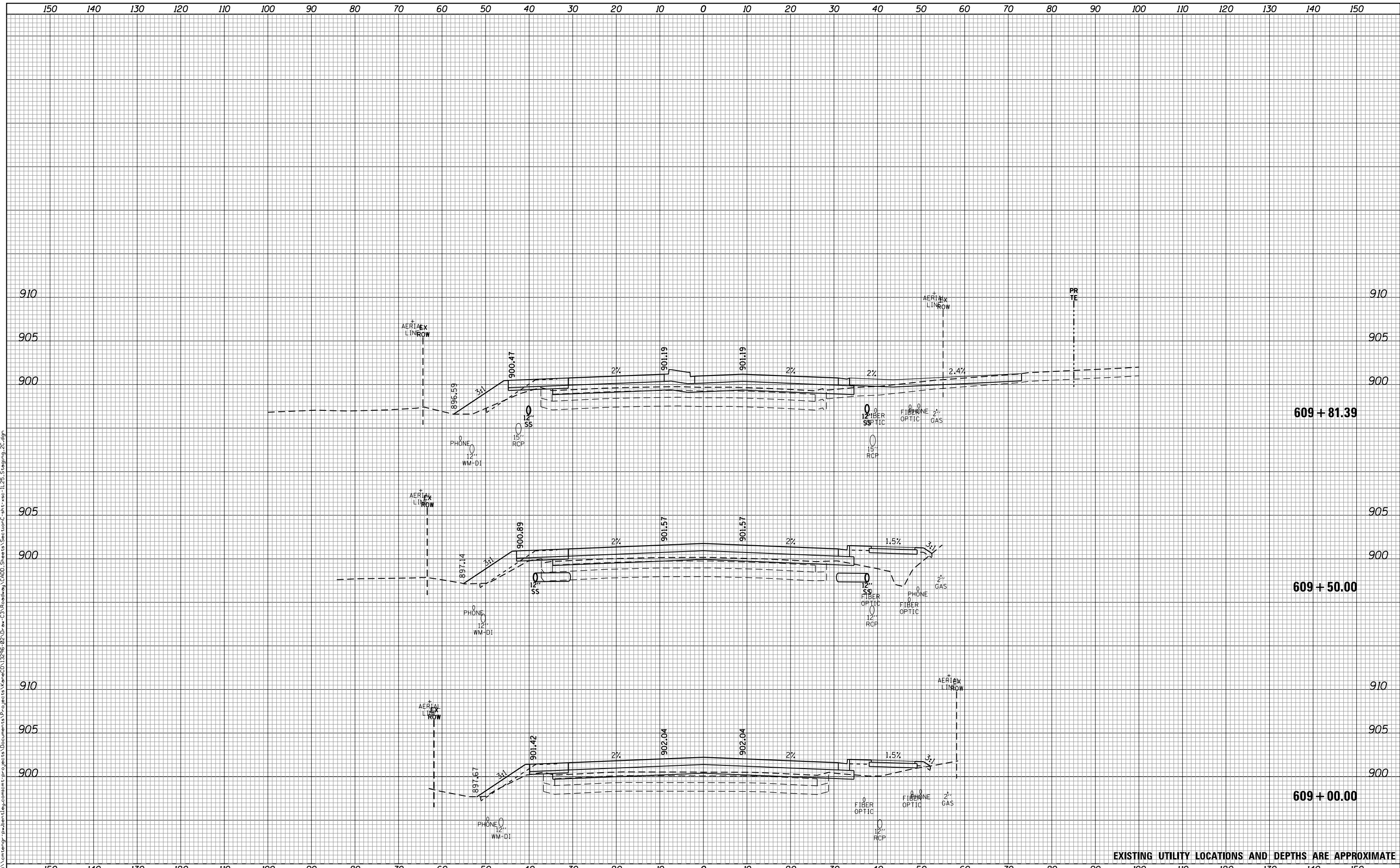
ILLINOIS FED. AID PROJECT



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FINAL SURVEY	
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EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE



USER NAME	- Mike Moes
DESIGNED	- MPM
DRAWN	- MPM
CHECKED	- JMS
DATE	- 9/6/2018
PLLOT SCALE	- 20.0000' / in.
PLLOT DATE	- 9/6/2018

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REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>			
<b>ILLINOIS ROUTE 25 - STAGE 2C</b>			
SCALE: 1"=10'/5'	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	18-00215-22-CH	KANE	195	193
			CONTRACT NO. 61F04	
ILLINOIS FED. AID PROJECT				



