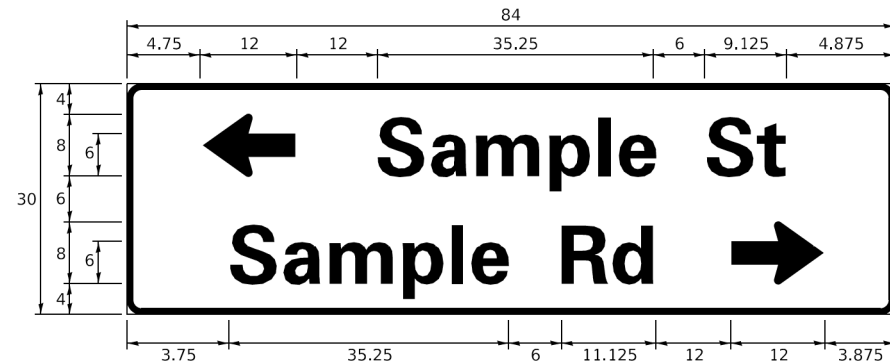
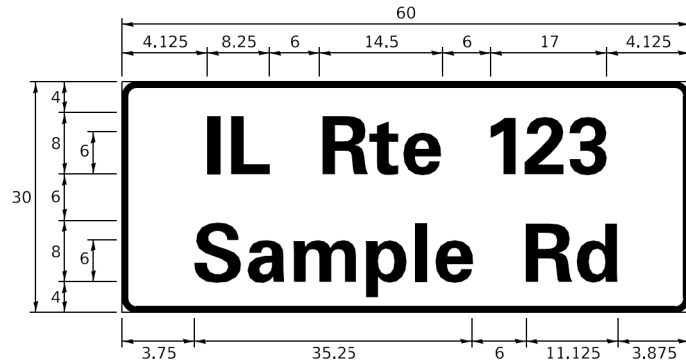
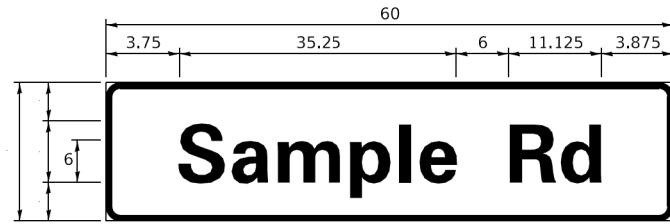


**SIGN PANEL – TYPE 1 OR TYPE 2**



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

**COMMON STREET NAME ABBREVIATIONS AND WIDTHS**

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

**GENERAL NOTES**

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012. AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

**LOCAL SUPPLIERS:**

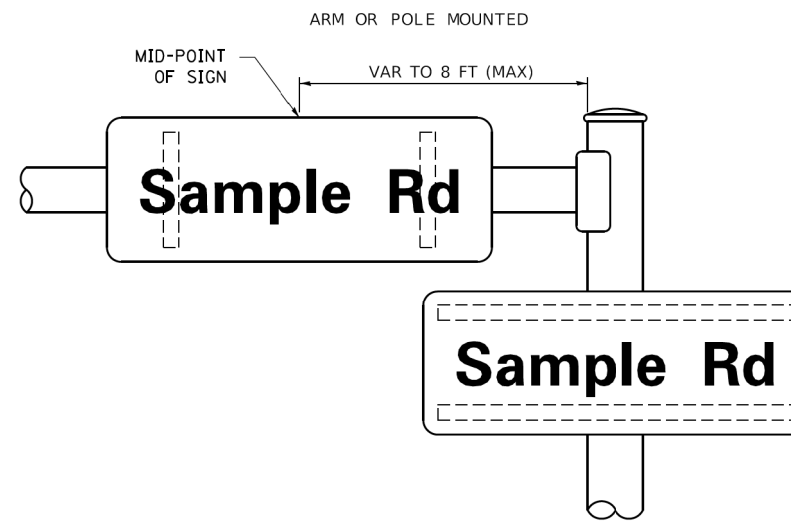
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

**PARTS LISTING:**

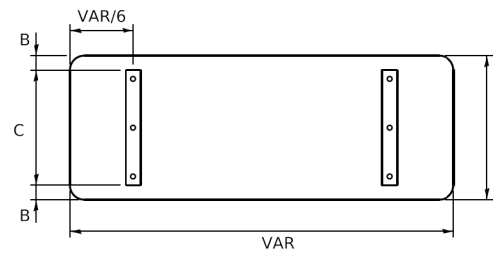
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING PART #HPN034 (UNIVERSAL)

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

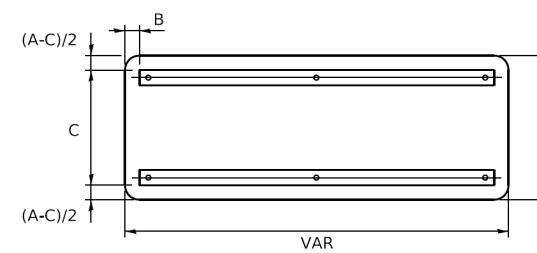
**MOUNTING LOCATION**



**SUPPORTING CHANNELS**



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

**STANDARD ALPHABETS SPACING CHART**

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

MODEL: Default  
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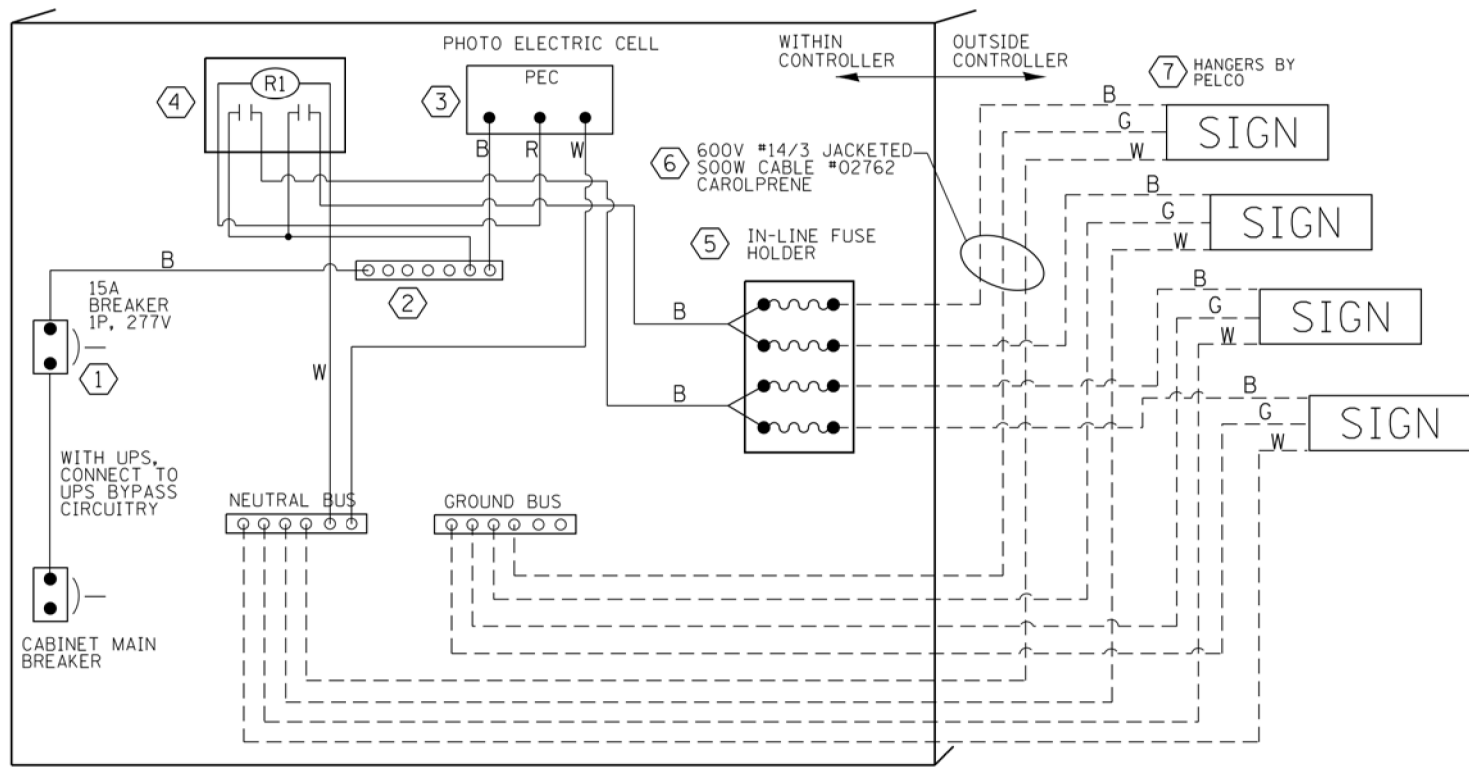
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PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

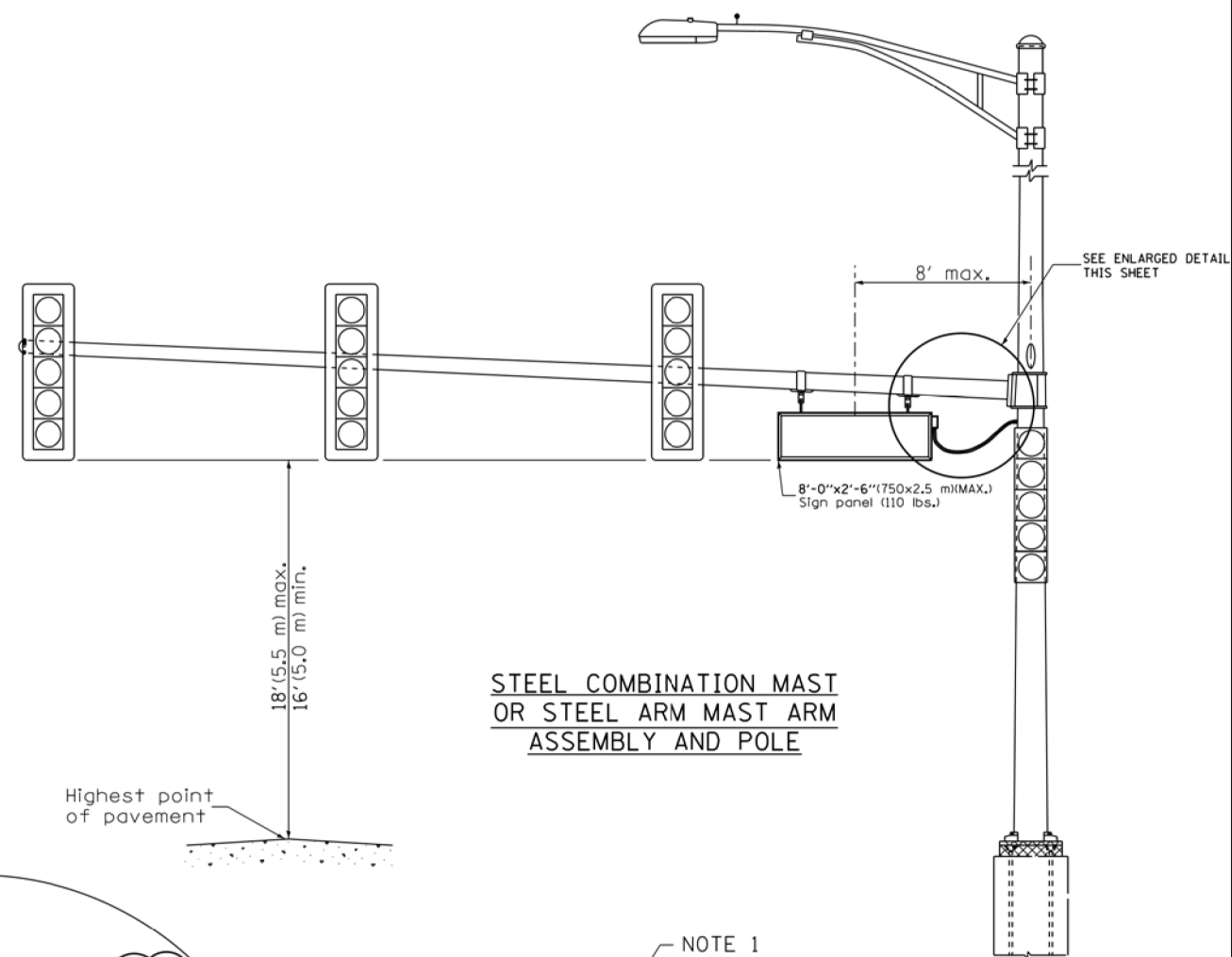
**DISTRICT ONE  
MAST ARM MOUNTED STREET NAME SIGNS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 101
TS-02		CONTRACT NO. 61H29		
ILLINOIS FED. AID PROJECT				



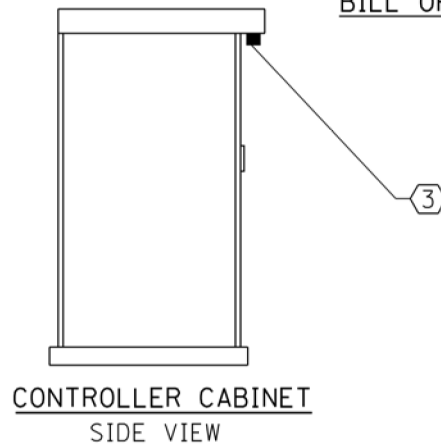
LED SIGN WIRING DETAIL



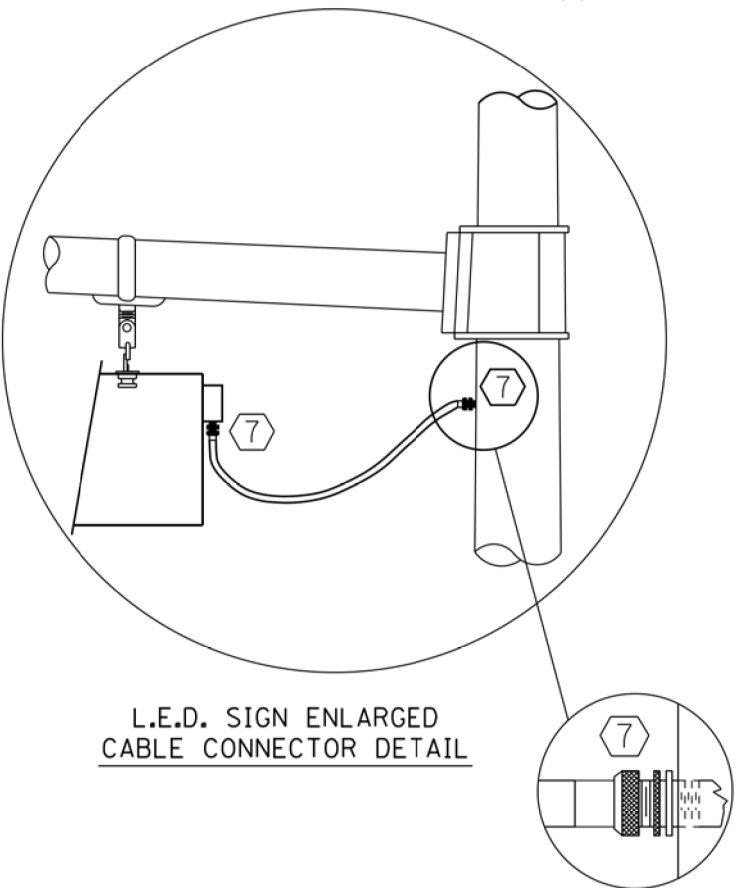
STEEL COMBINATION MAST OR STEEL ARM MAST ARM ASSEMBLY AND POLE

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

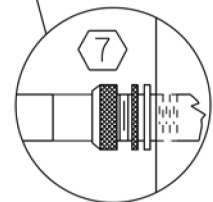
BILL OF MATERIALS



CONTROLLER CABINET SIDE VIEW



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL

8'0 x 2'6" (750 mm x 2.5 mm)(MAX)  
C or D FONT

NOTES:

- SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

FILE NAME: c:\trans\systems\pwr\_local\trans\sys\pwr\_per\11m\mch\05055556\160046-ahh-140200.dgn

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PLOT DATE = 4/16/2019	CHECKED - JLV	REVISED -
	DATE - 04-18-2019	REVISED -

<b>LED ILLUMINATED STREET NAME INSTALLATION AND WIRING DIAGRAM</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	102
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



### REMOVAL AND RELOCATION NOTES

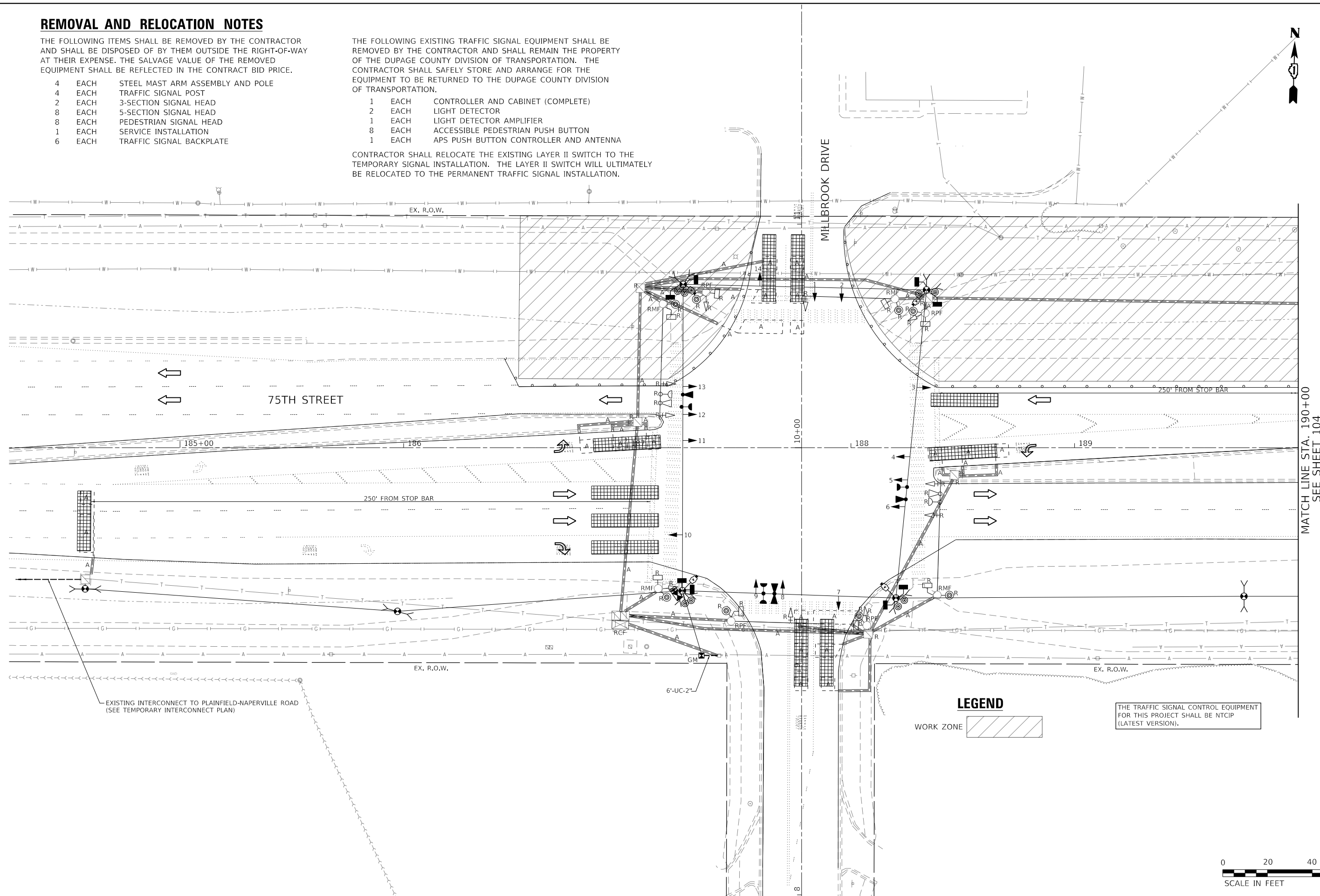
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 2 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 6 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE EQUIPMENT TO BE RETURNED TO THE DUPAGE COUNTY DIVISION OF TRANSPORTATION.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 8 EACH ACCESSIBLE PEDESTRIAN PUSH BUTTON
- 1 EACH APS PUSH BUTTON CONTROLLER AND ANTENNA

CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH TO THE TEMPORARY SIGNAL INSTALLATION. THE LAYER II SWITCH WILL ULTIMATELY BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION.



MATCH LINE STA. 190+00  
SEE SHEET 104

#### LEGEND

WORK ZONE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



MODEL Default  
FILE Name: W:\S00\_Drawing\502\_CADD\_Sheets\040556-sth\plan\_millbrook\_Stage1\_01.dgn



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	DATE -	REVISED -

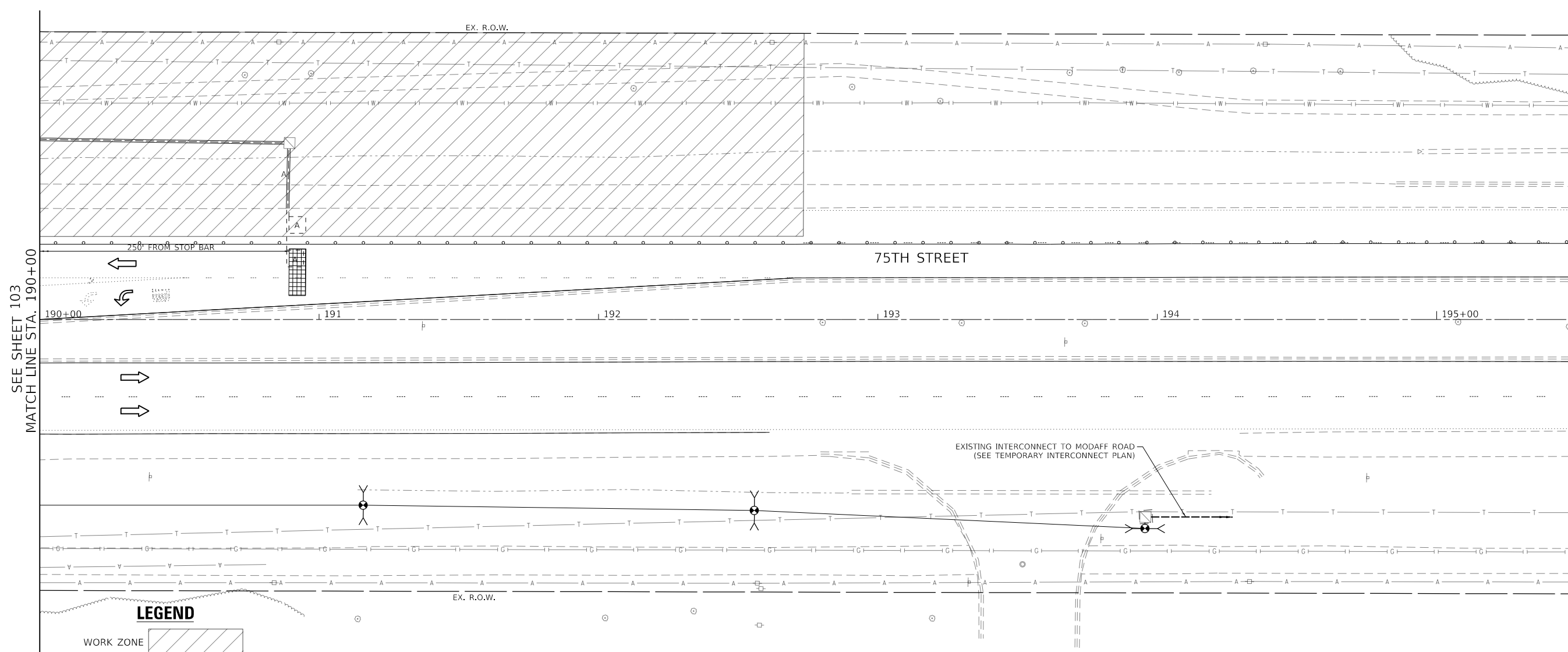
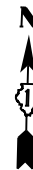
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AT MILLBROOK DRIVE**

SCALE: 1" = 20'    SHEET 1 OF 7 SHEETS    STA. 184+24 TO STA. 190+00

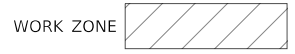
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	103
			CONTRACT NO. 61H29	

ILLINOIS FED. AID PROJECT



SEE SHEET 103  
MATCH LINE STA. 190+00

**LEGEND**



EXISTING INTERCONNECT TO MODAFF ROAD  
(SEE TEMPORARY INTERCONNECT PLAN)



MODEL: Default  
FILE: 18-00233-04-5P\_CADD\_Sheets\040556-shr-traffic-plan\_millbrook\_stage1\_02.dgn



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DRAWN -	REVISED -	
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PLOT DATE = 11/3/2021	DATE -	REVISED -

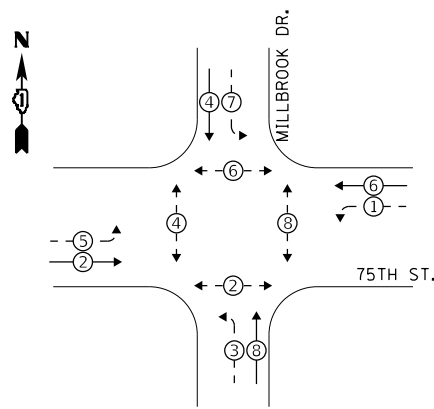
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AND MILLBROOK DRIVE**

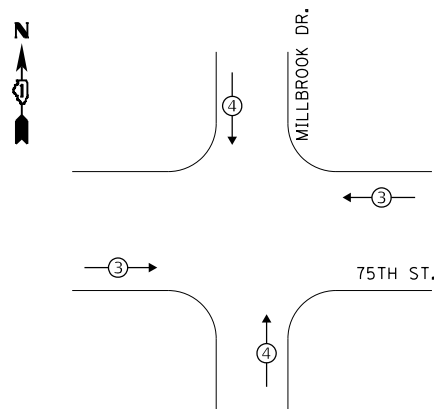
SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 190+00 TO STA. 195+48

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	104
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

**STAGE 1 CONTROLLER SEQUENCE**

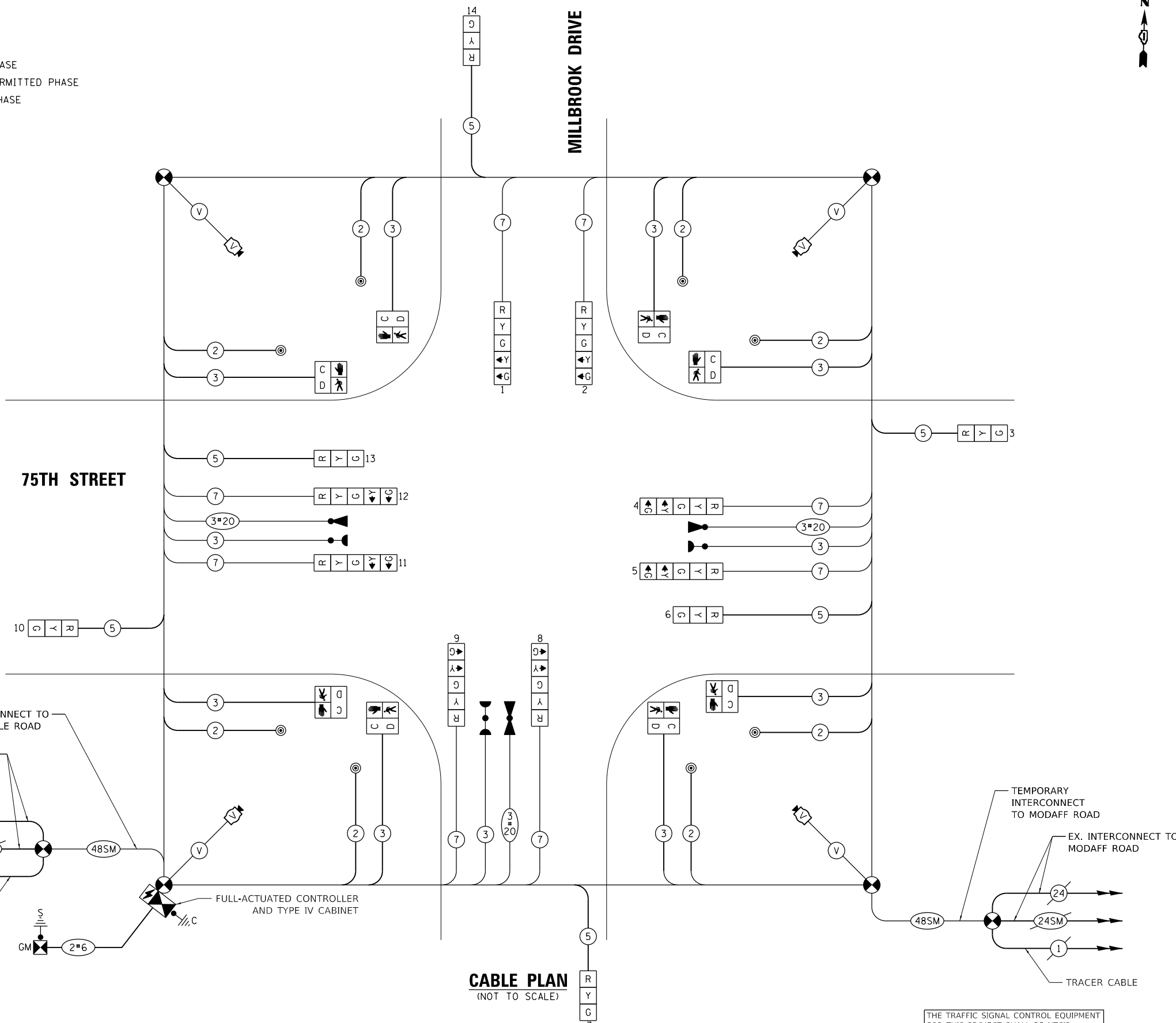


**STAGE 1 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ⊗ PROTECTED PHASE
- ⊗ - PROTECTED/PERMITTED PHASE
- ⊗ - PEDESTRIAN PHASE
- ⊗ OL OVERLAP



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

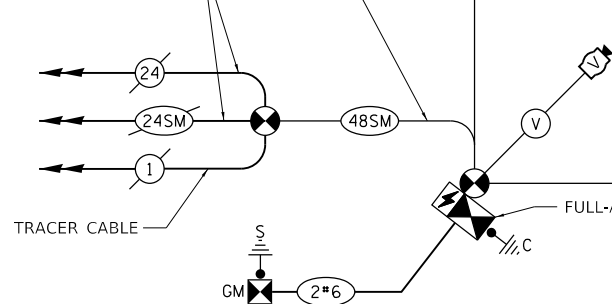
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
<b>TOTAL =</b>				<b>1043.8</b>

ENERGY COSTS TO:  
CITY OF NAPERVILLE  
400 S. EAGLE STREET  
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
PHONE: (630) 420-4183  
COMPANY: NAPERVILLE ELECTRIC  
ACCOUNT NUMBER: ---

TEMPORARY INTERCONNECT TO PLAINFIELD-NAPERVILLE ROAD

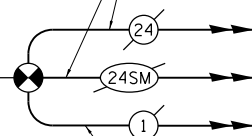
EX. INTERCONNECT TO PLAINFIELD-NAPERVILLE ROAD



FULL-ACTUATED CONTROLLER AND TYPE IV CABINET

TEMPORARY INTERCONNECT TO MODAFF ROAD

EX. INTERCONNECT TO MODAFF ROAD



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TS SHT NO. 14



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 "/>		
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

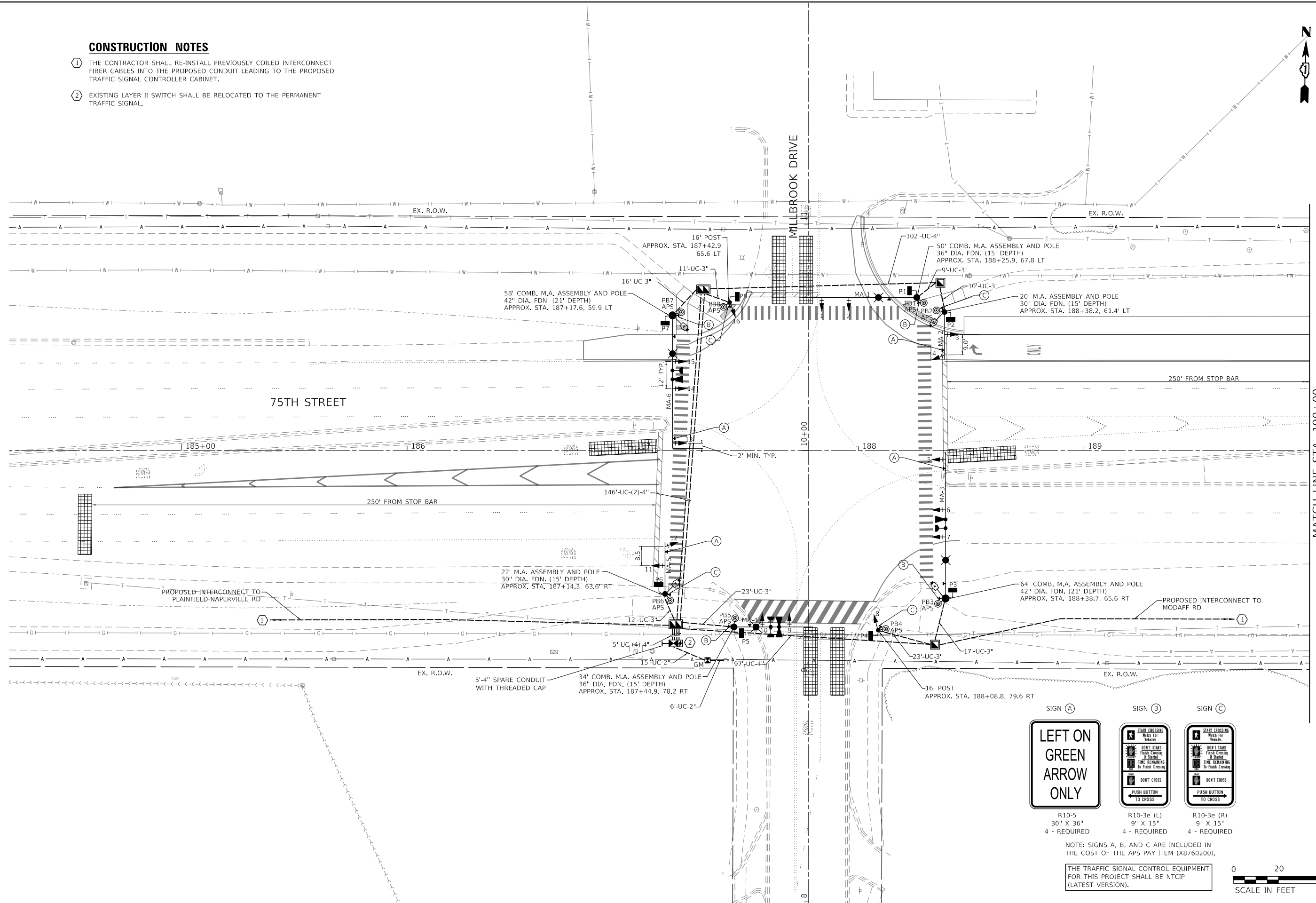
STAGE 1 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AT MILLBROOK DRIVE

SCALE: NONE SHEET 3 OF 7 SHEETS STA. NA TO STA. NA

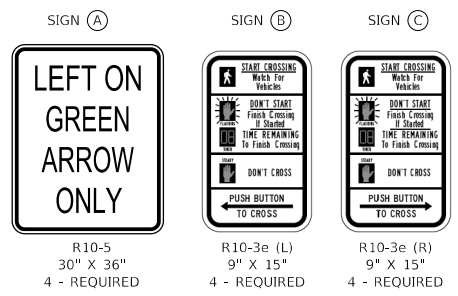
F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 105
		CONTRACT NO. 61H29		
		ILLINOIS FED. AID PROJECT		

**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RE-INSTALL PREVIOUSLY COILED INTERCONNECT FIBER CABLES INTO THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- ② EXISTING LAYER II SWITCH SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL.



MATCH LINE STA. 190+00  
SEE SHEET 107



NOTE: SIGNS A, B, AND C ARE INCLUDED IN THE COST OF THE APS PAY ITEM (X8760200).

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCP (LATEST VERSION).



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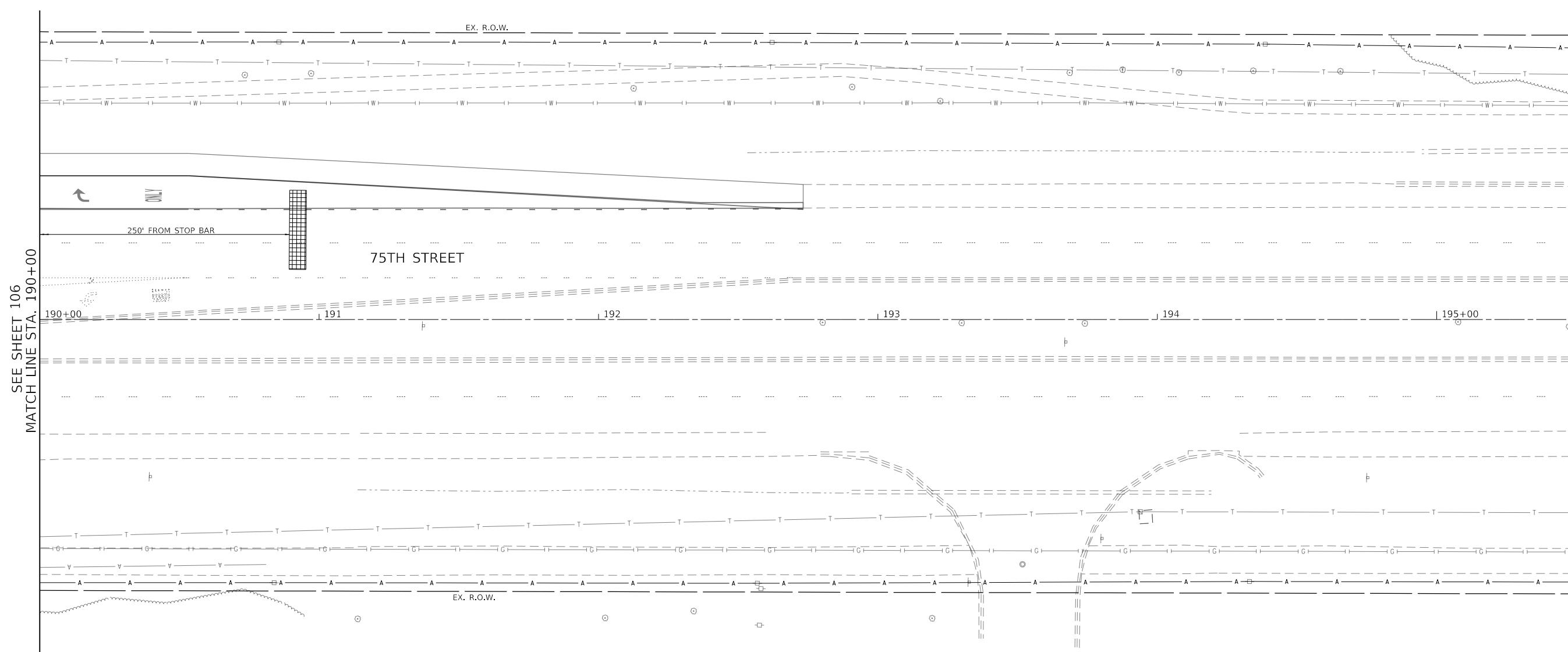
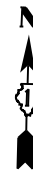
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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT MILLBROOK DRIVE**

SCALE: 1" = 20' SHEET 4 OF 7 SHEETS STA. 184+24 TO STA. 190+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	106
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



SEE SHEET 106  
MATCH LINE STA. 190+00



MODEL: Default  
FILE: \\blm1c1-ws500-Drawing\502\_CADD\_Sheets\040556-sh-tyl\plan\_millbrook\_Final\_02.dgn

311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-6500  
www.bowman.com

USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

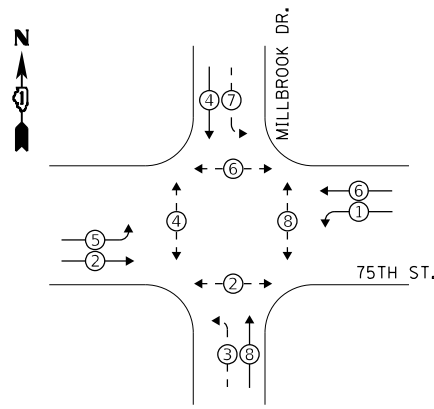
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT MILLBROOK DRIVE**

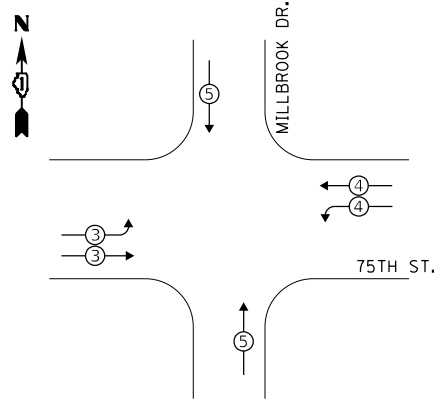
SCALE: 1" = 20'    SHEET 5 OF 7 SHEETS    STA. 190+00 TO STA. 195+48

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	107
			CONTRACT NO. 61H29	
		ILLINOIS	FED. AID PROJECT	

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ← (X) → PROTECTED PHASE
- ← (X) - PROTECTED/PERMITTED PHASE
- ← (X) → PEDESTRIAN PHASE
- ◊ OL OVERLAP

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	4	165	50	330.0
<b>TOTAL =</b>				<b>1617.8</b>

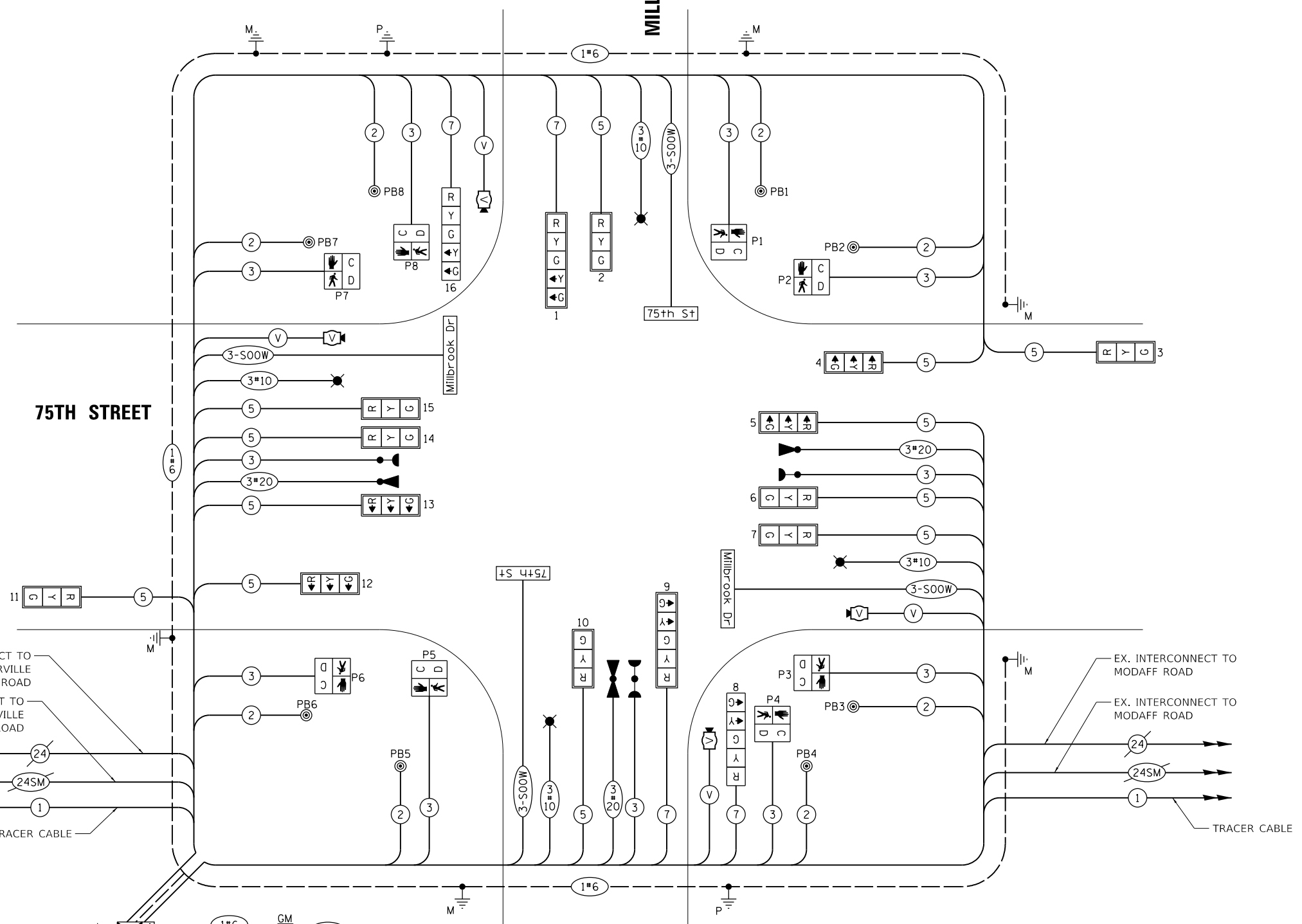
ENERGY COSTS TO:  
**CITY OF NAPERVILLE**  
 400 S. EAGLE STREET  
 NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
 PHONE: (630) 420-4183  
 COMPANY: NAPERVILLE ELECTRIC  
 ACCOUNT NUMBER: \_\_\_\_\_

EX. INTERCONNECT TO PLAINFIELD-NAPERVILLE ROAD  
 EX. INTERCONNECT TO PLAINFIELD-NAPERVILLE ROAD

TRACER CABLE  
 24  
 24SM  
 1

FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL (DUDOT)



**CABLE PLAN**  
 (NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TS SHT NO. 14

MODEL: Defn: W:\S00\_Drawing\502\_CADD\_Sheets\040556-rt-1.dwg; cable plan-millbrook.dwg  
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 Chicago, Illinois 60606  
 312-474-0560  
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USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

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

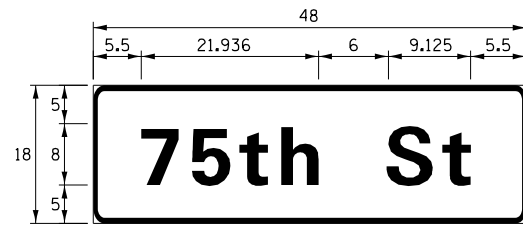
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND**  
**EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**75TH STREET AT MILLBROOK DRIVE**

SCALE: NONE SHEET 6 OF 7 SHEETS STA. NA TO STA. NA

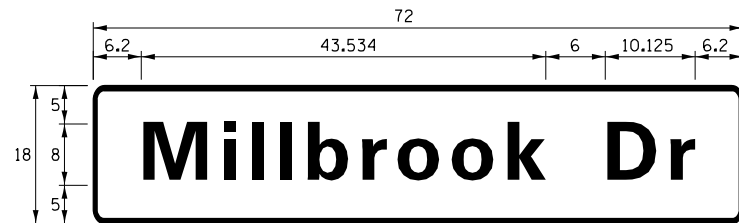
F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 108
		CONTRACT NO. 61H29		
ILLINOIS FED. AID PROJECT				

**LED ILLUMINATED STREET NAME SIGN**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2

**NOTES:**

SIGNS SHALL BE FURNISHED AS DOUBLE-SIDED.

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	21
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	121
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	516
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	985
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,451
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,109
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,705
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	828
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	35
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	729
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	686
RELOCATE SWITCH	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LUMINAIRE, LED, SPECIAL	EACH	4
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	1,028
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VEHICLE DETECTION SYSTEM, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO. 15

MODEL: D:\info\110000\Drawings\502\_CADD\_Sheets\04056-sh1-dgn\1\_schedule-millbrook.dgn



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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS  
AND SCHEDULE OF QUANTITIES  
75TH STREET AT MILLBROOK DRIVE**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 109
		CONTRACT NO. 61H29		
		ILLINOIS FED. AID PROJECT		



**REMOVAL AND RELOCATION NOTES**

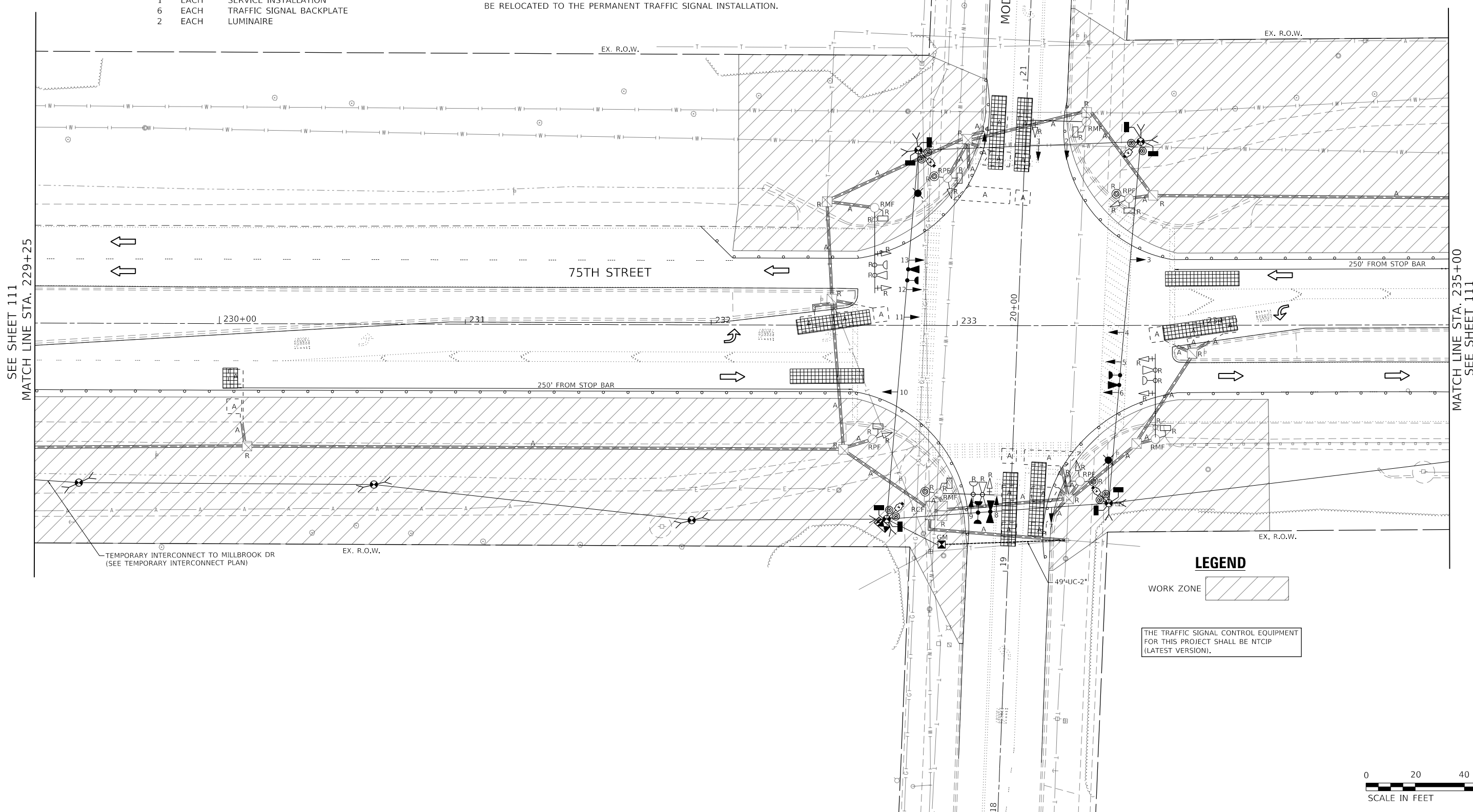
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH COMBINATION MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 2 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH LUMINAIRE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE EQUIPMENT TO BE RETURNED TO THE DUPAGE COUNTY DIVISION OF TRANSPORTATION.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH TO THE TEMPORARY SIGNAL INSTALLATION. THE LAYER II SWITCH WILL ULTIMATELY BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION.



SEE SHEET 111  
MATCH LINE STA. 229+25

MATCH LINE STA. 235+00  
SEE SHEET 111

**LEGEND**

WORK ZONE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCP (LATEST VERSION).



MODEL: Default  
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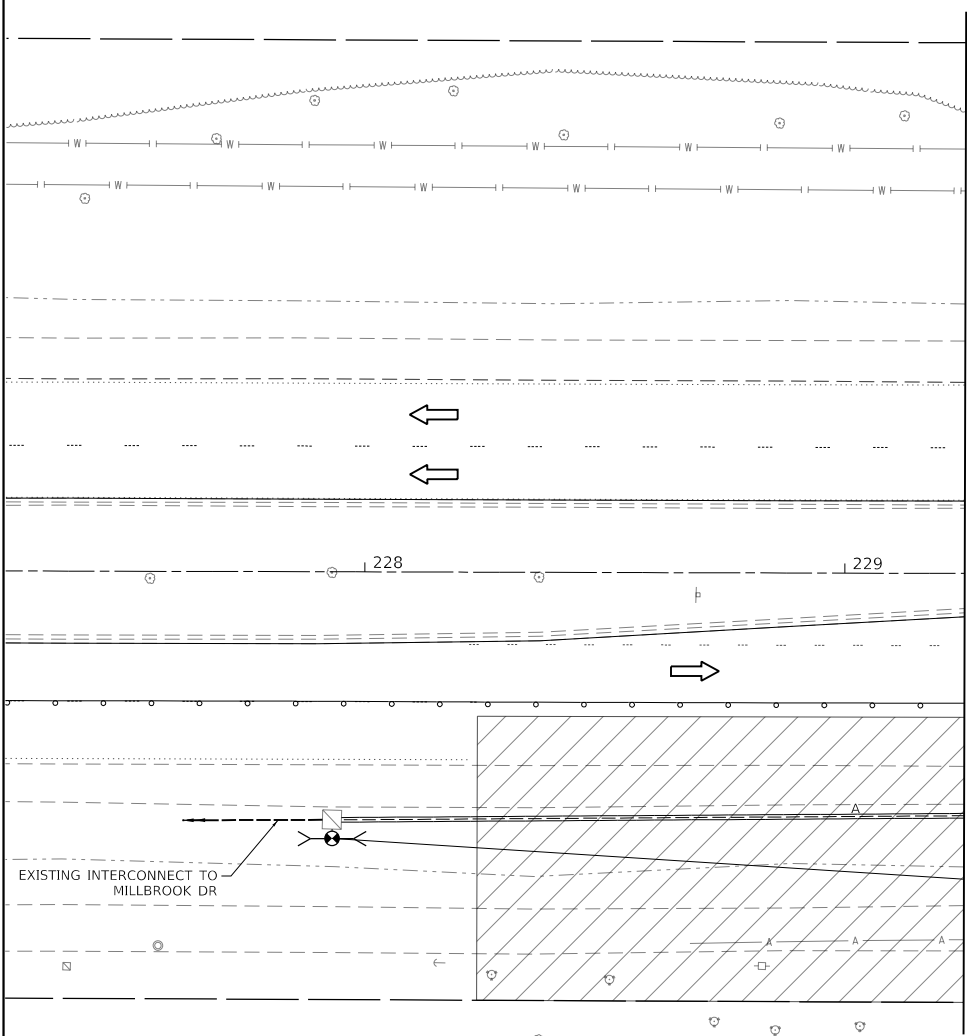
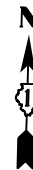
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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

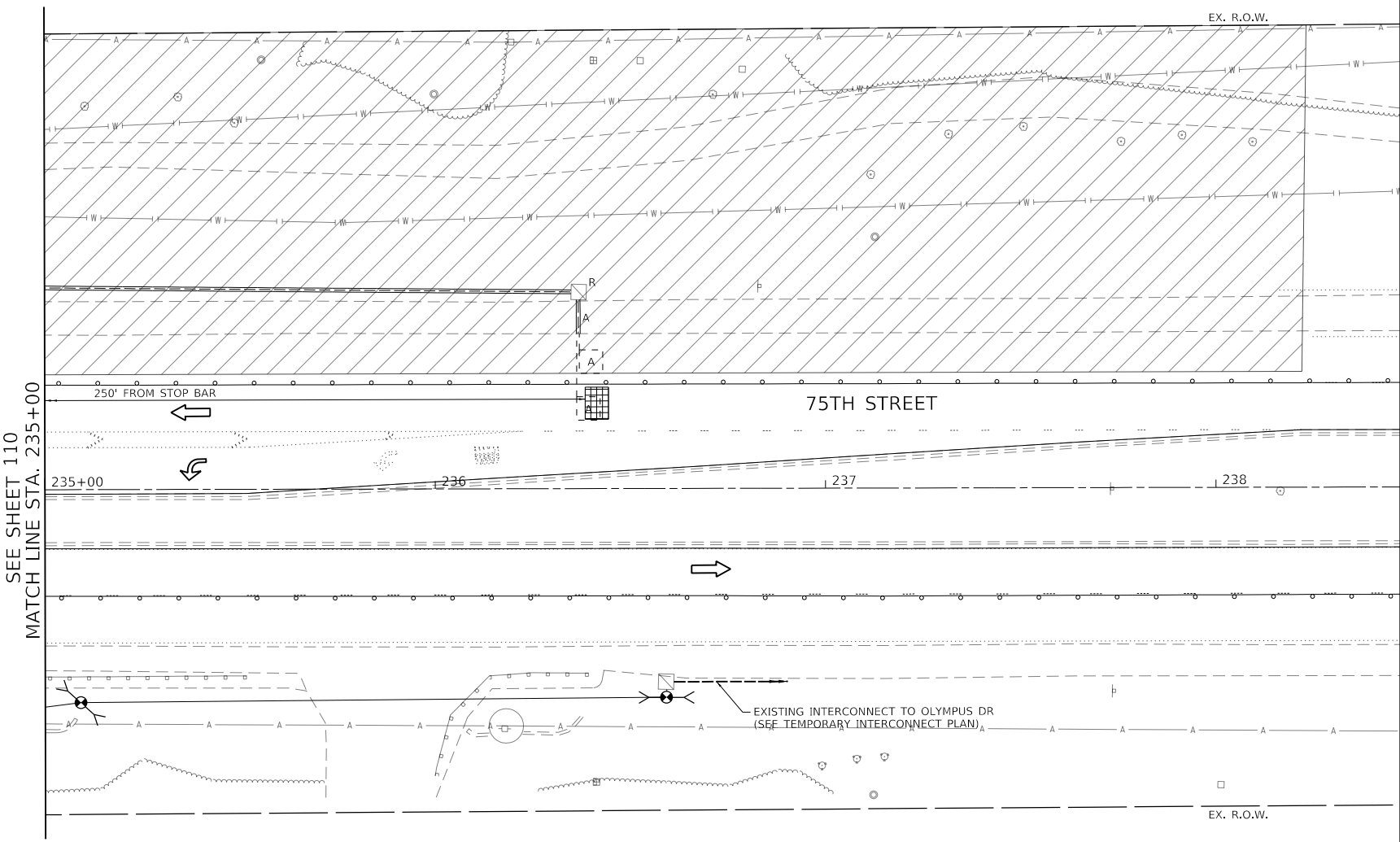
**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN**  
**75TH STREET AT MODAFF ROAD**

SCALE: 1" = 20' SHEET 1 OF 10 SHEETS STA. 229+24 TO STA. 235+00

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 110
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		



MATCH LINE STA. 229+25  
SEE SHEET 110



SEE SHEET 110  
MATCH LINE STA. 235+00

**LEGEND**



MODEL: Default  
FILE: h:\m\18-00233-04-5P\_CADD\_Sheets\040556-shr-traffic\plan\_moddiff\_Stage1\_02.dgn



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	DRAWN -	REVISED -
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PLOT DATE = 11/3/2021	DATE -	REVISED -

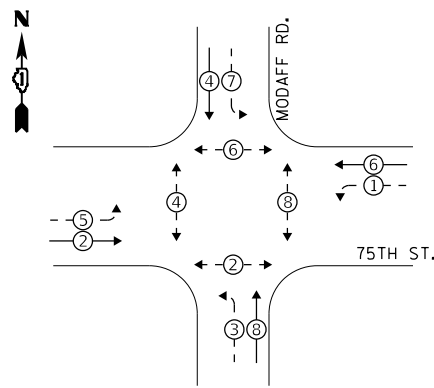
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AT MODAFF ROAD**

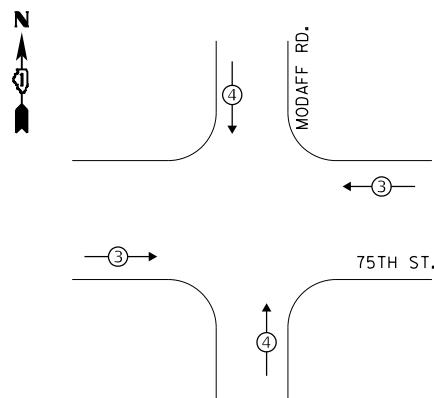
SCALE: 1" = 20' SHEET 2 OF 10 SHEETS STA. 235+00 TO STA. 240+47

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 111
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		

**STAGE 1 CONTROLLER SEQUENCE**

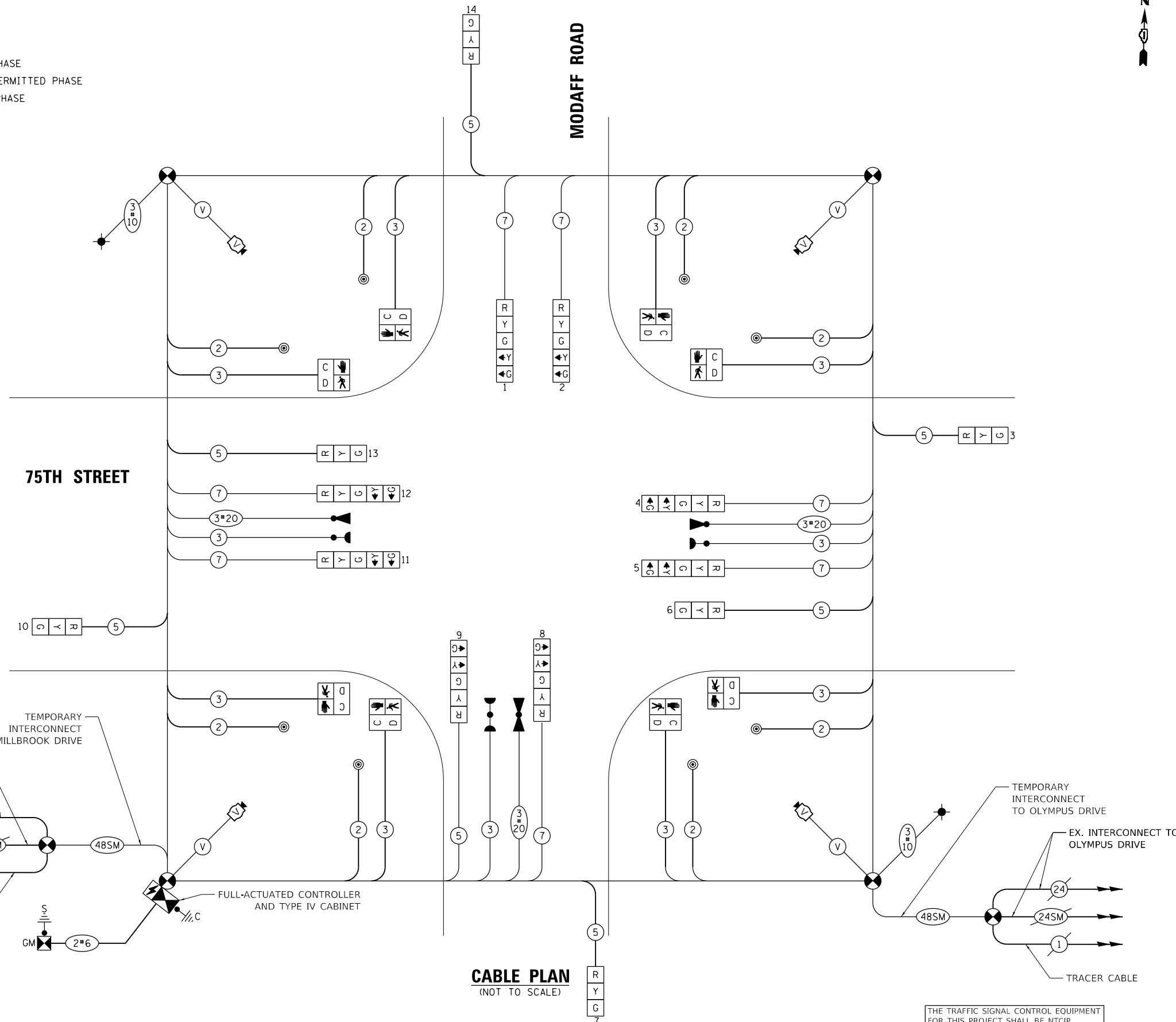


**STAGE 1 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ⊗ PROTECTED PHASE
- ⊗ - PROTECTED/PERMITTED PHASE
- ⊗ - PEDESTRIAN PHASE
- ⊗ OL OVERLAP



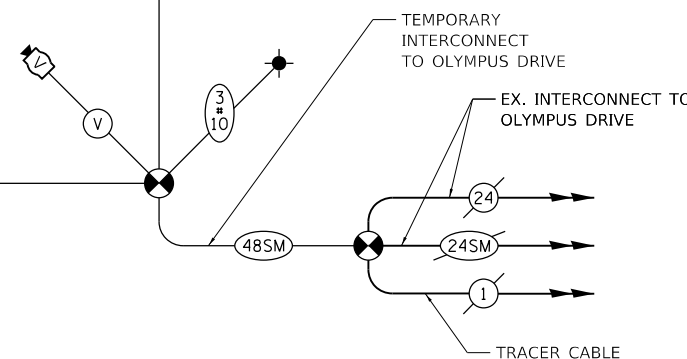
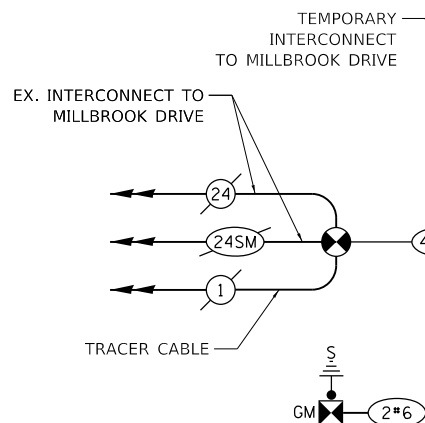
**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	165	50	165.0
<b>TOTAL =</b>				<b>1208.8</b>

ENERGY COSTS TO:  
CITY OF NAPERVILLE  
400 S. EAGLE STREET  
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
PHONE: (630) 420-4183  
COMPANY: NAPERVILLE ELECTRIC  
ACCOUNT NUMBER: ---



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TS SHT NO. 14

**Bowman**

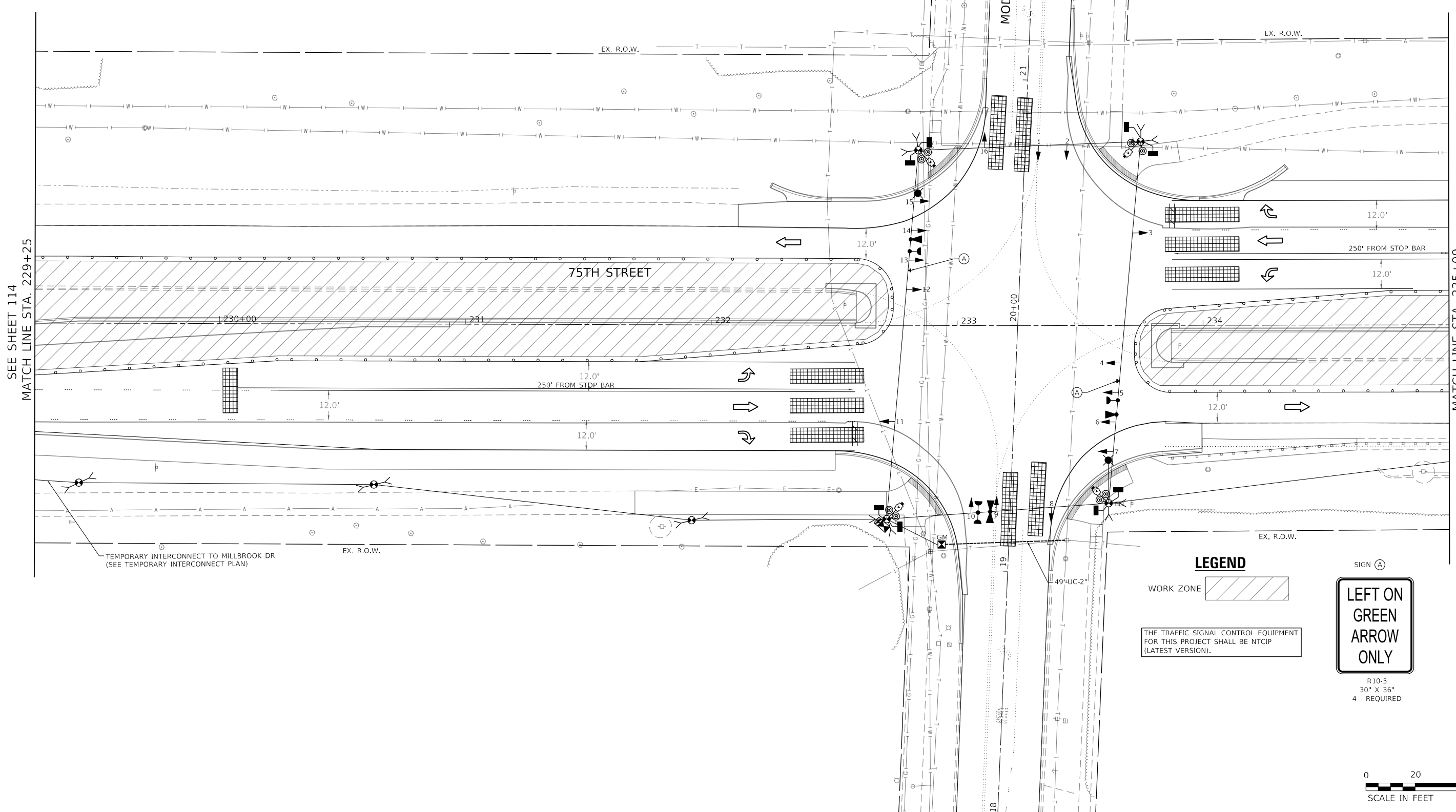
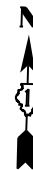
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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AT MODAFF ROAD

SCALE: NONE SHEET 3 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 112
		CONTRACT NO. 61H29		
		ILLINOIS FED. AID PROJECT		



SEE SHEET 114  
MATCH LINE STA. 229+25

MATCH LINE STA. 235+00  
SEE SHEET 114

**LEGEND**

WORK ZONE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCP (LATEST VERSION).

SIGN (A)



R10-5  
30" X 36"  
4 - REQUIRED



MODEL: Default  
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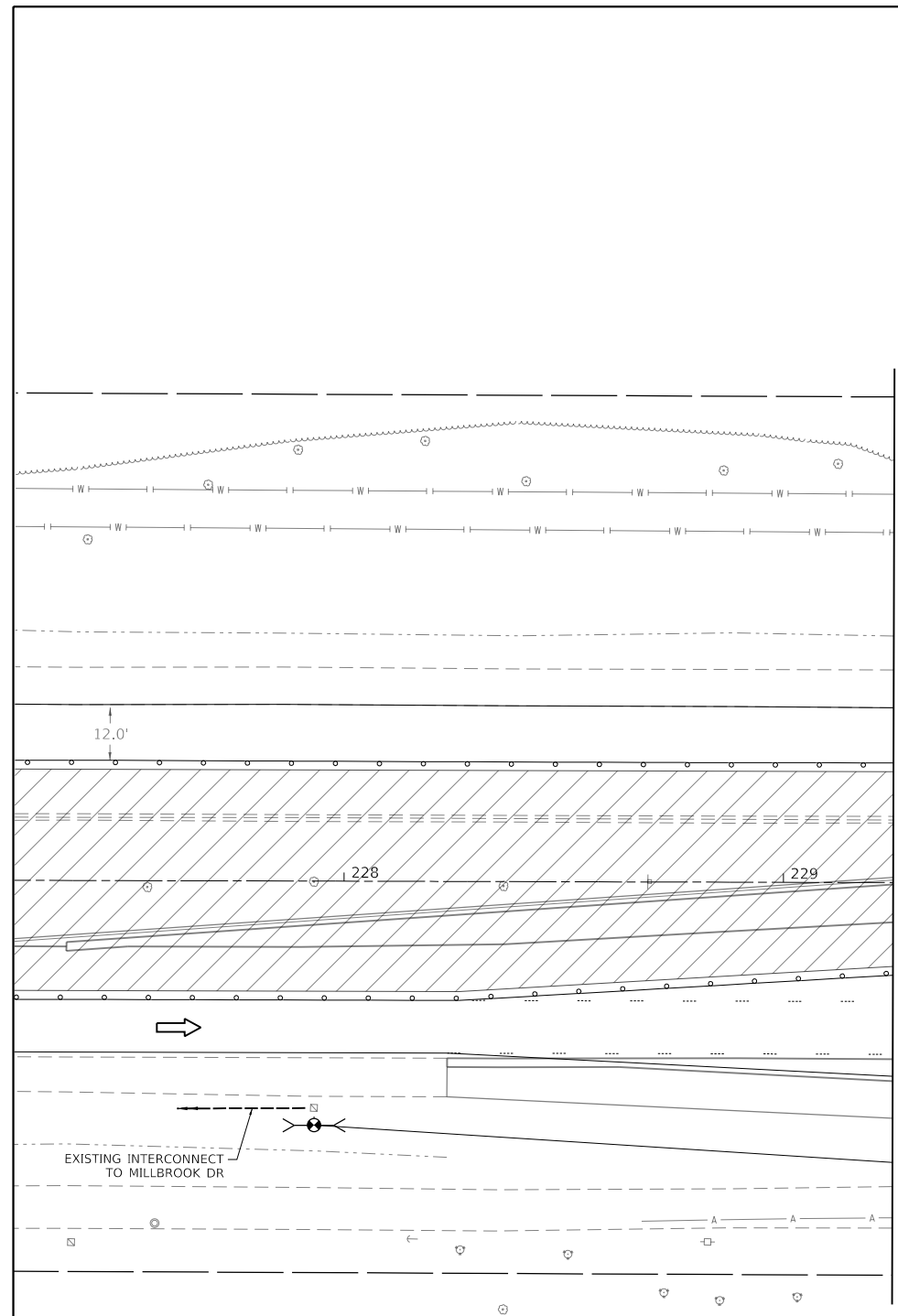
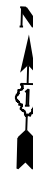
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

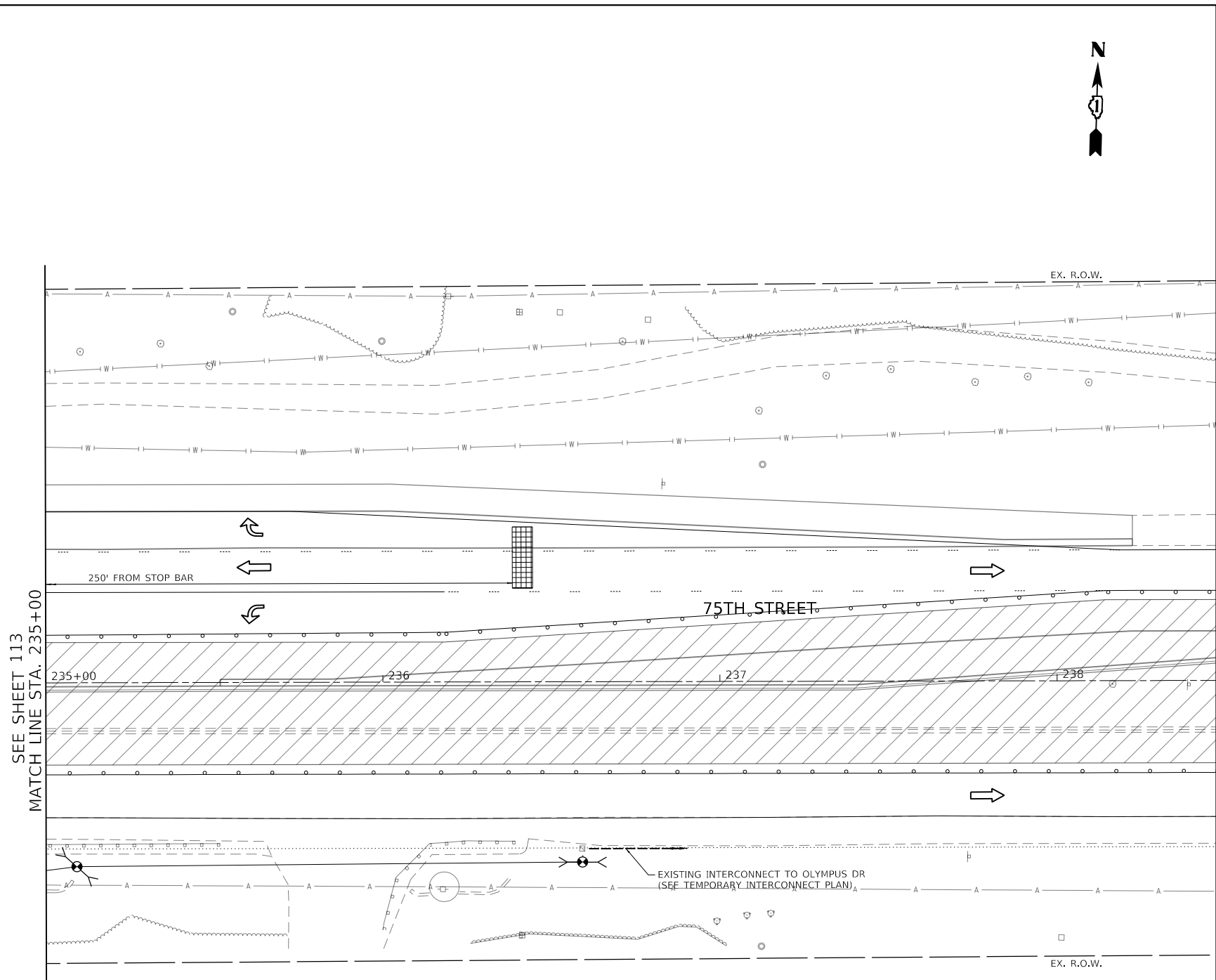
**STAGE II TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT MODAFF ROAD**

SCALE: 1" = 20' SHEET 4 OF 10 SHEETS STA. 229+41 TO STA. 235+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	113
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		



MATCH LINE STA. 229+25  
SEE SHEET 113



SEE SHEET 113  
MATCH LINE STA. 235+00



MODEL: Default  
FILE: h:\m18-00233-04-5P\_CADD\_Sheets\18-00233-04-5P-Stage2\_02.dgn



USER NAME = kberry	DESIGNED -	REVISED -
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	DATE -	REVISED -

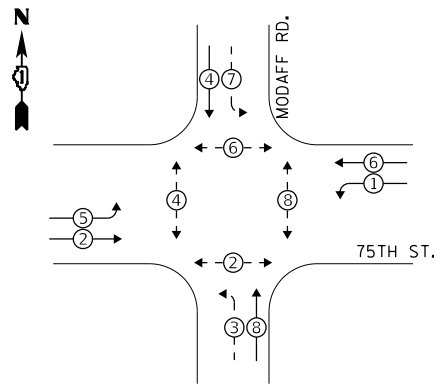
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT MODAFF ROAD**

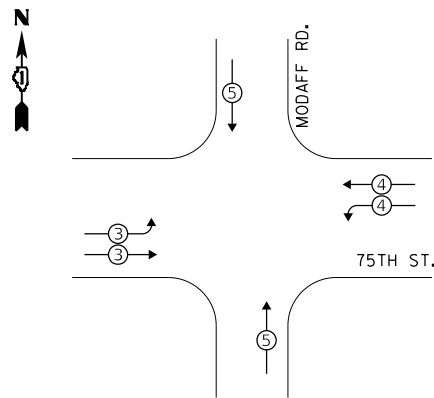
SCALE: 1" = 20' SHEET 5 OF 10 SHEETS STA. 235+00 TO STA. 240+47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	114
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		

**STAGE 2 CONTROLLER SEQUENCE**

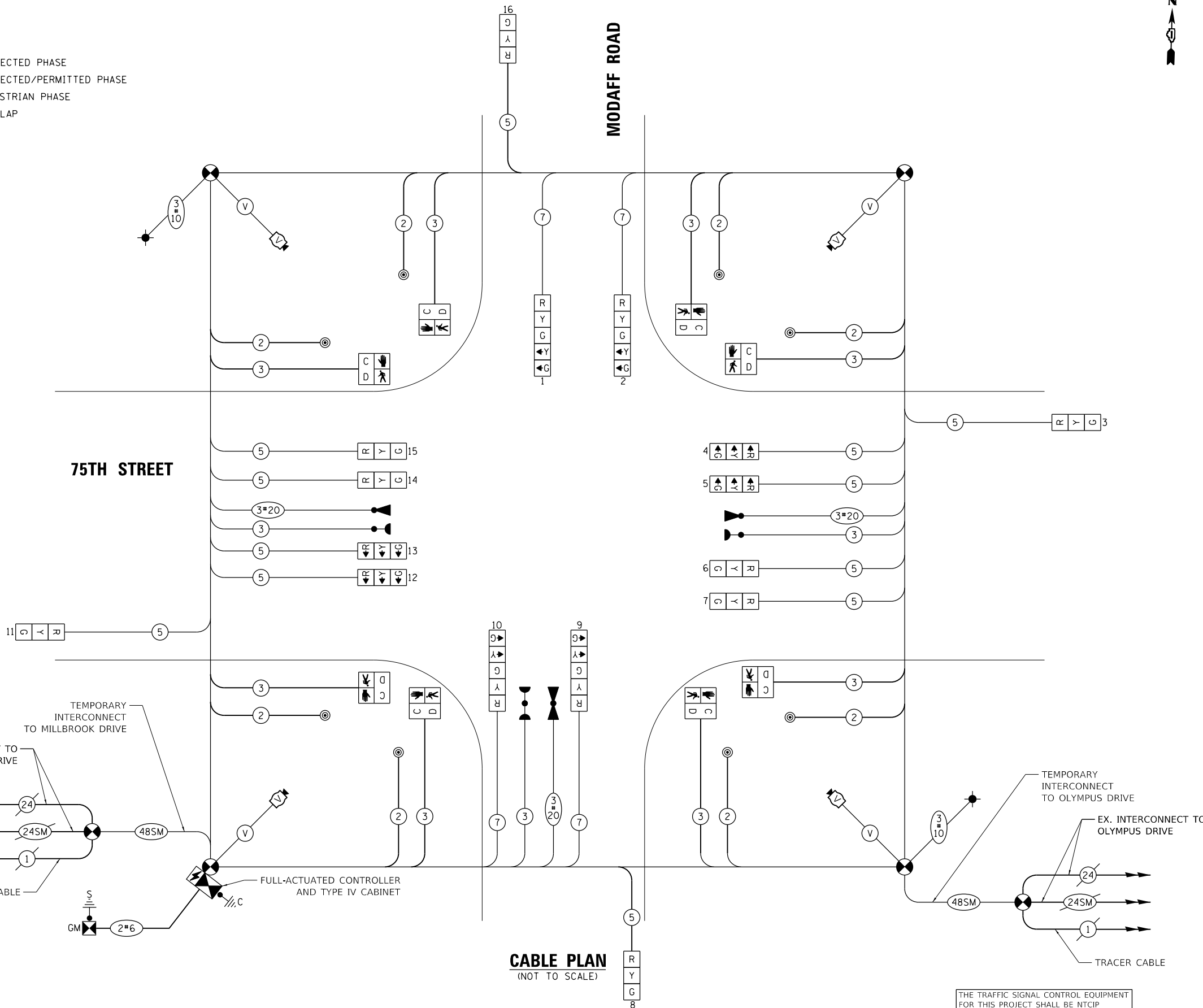


**STAGE 2 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ⊗ PROTECTED PHASE
- ⊗ - PROTECTED/PERMITTED PHASE
- ⊗ - PEDESTRIAN PHASE
- ⊗ OL OVERLAP



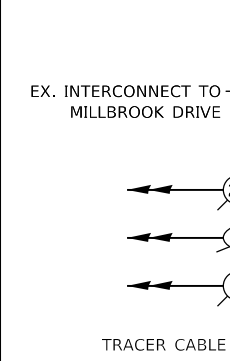
**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	165	50	165.0
<b>TOTAL =</b>				<b>1212.8</b>

ENERGY COSTS TO:  
CITY OF NAPERVILLE  
400 S. EAGLE STREET  
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
PHONE: (630) 420-4183  
COMPANY: NAPERVILLE ELECTRIC  
ACCOUNT NUMBER: ---



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TS SHT NO. 14

**Bowman** 311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-0560  
www.bowman.com

DESIGNED -	REVISOR -
DRAWN -	REVISION -
CHECKED -	REVISION -
DATE -	REVISION -

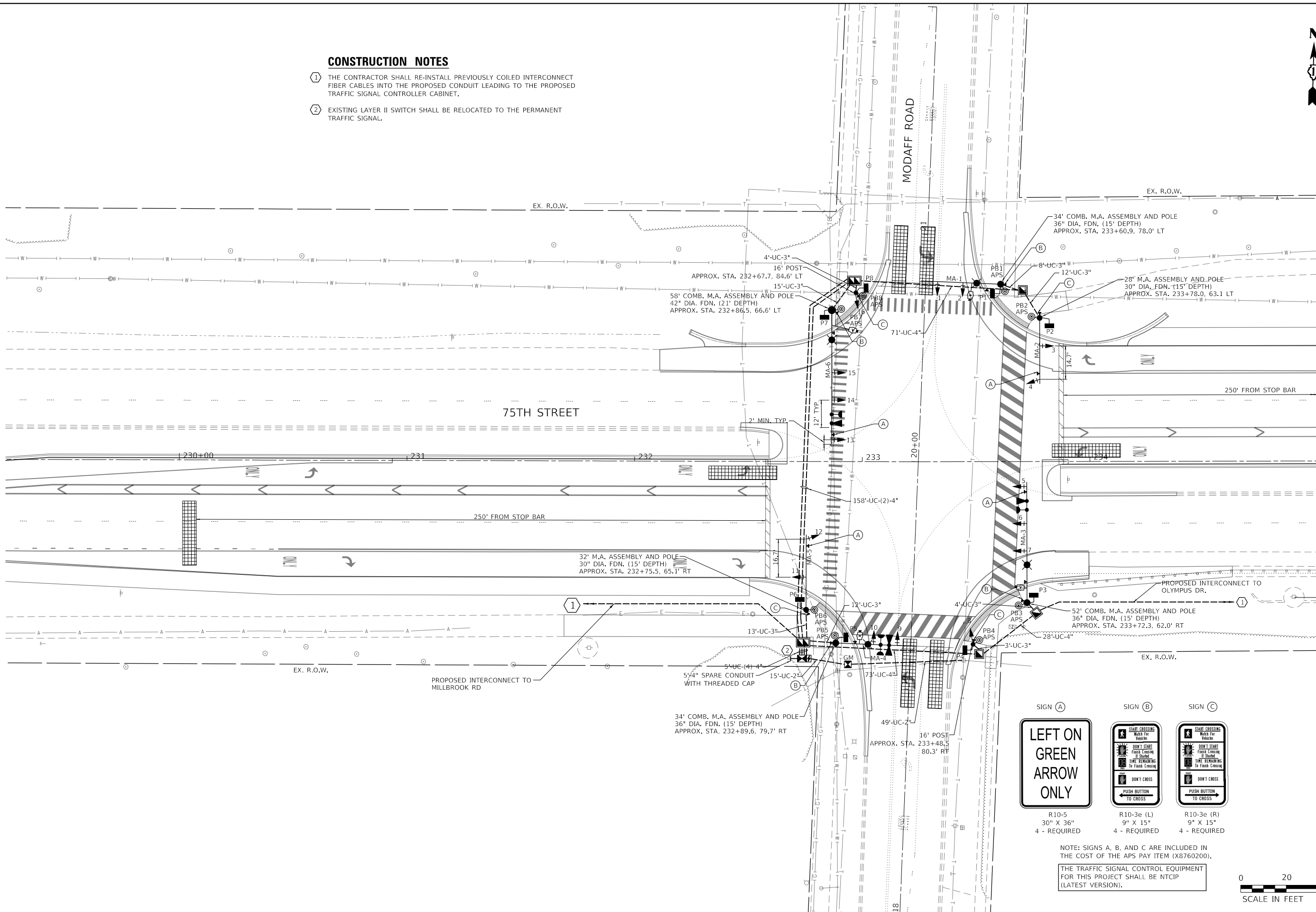
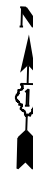
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STAGE 2 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
75TH STREET AT MODAFF ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	115
SCALE: NONE		SHEET 6 OF 10 SHEETS		STA. NA TO STA. NA
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RE-INSTALL PREVIOUSLY COILED INTERCONNECT FIBER CABLES INTO THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- ② EXISTING LAYER II SWITCH SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL.



MATCH LINE STA. 235+00  
SEE SHEET 117

**SIGN (A)**      **SIGN (B)**      **SIGN (C)**

R10-5  
30" X 36"  
4 - REQUIRED

R10-3e (L)  
9" X 15"  
4 - REQUIRED

R10-3e (R)  
9" X 15"  
4 - REQUIRED

NOTE: SIGNS A, B, AND C ARE INCLUDED IN THE COST OF THE APS PAY ITEM (X8760200).  
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



MODEL: Default  
FILE: h:\mhc\18-00233-04-5P\_CADD\_Sheets\040525-shr\design\plan\_modaff\_r11.dwg



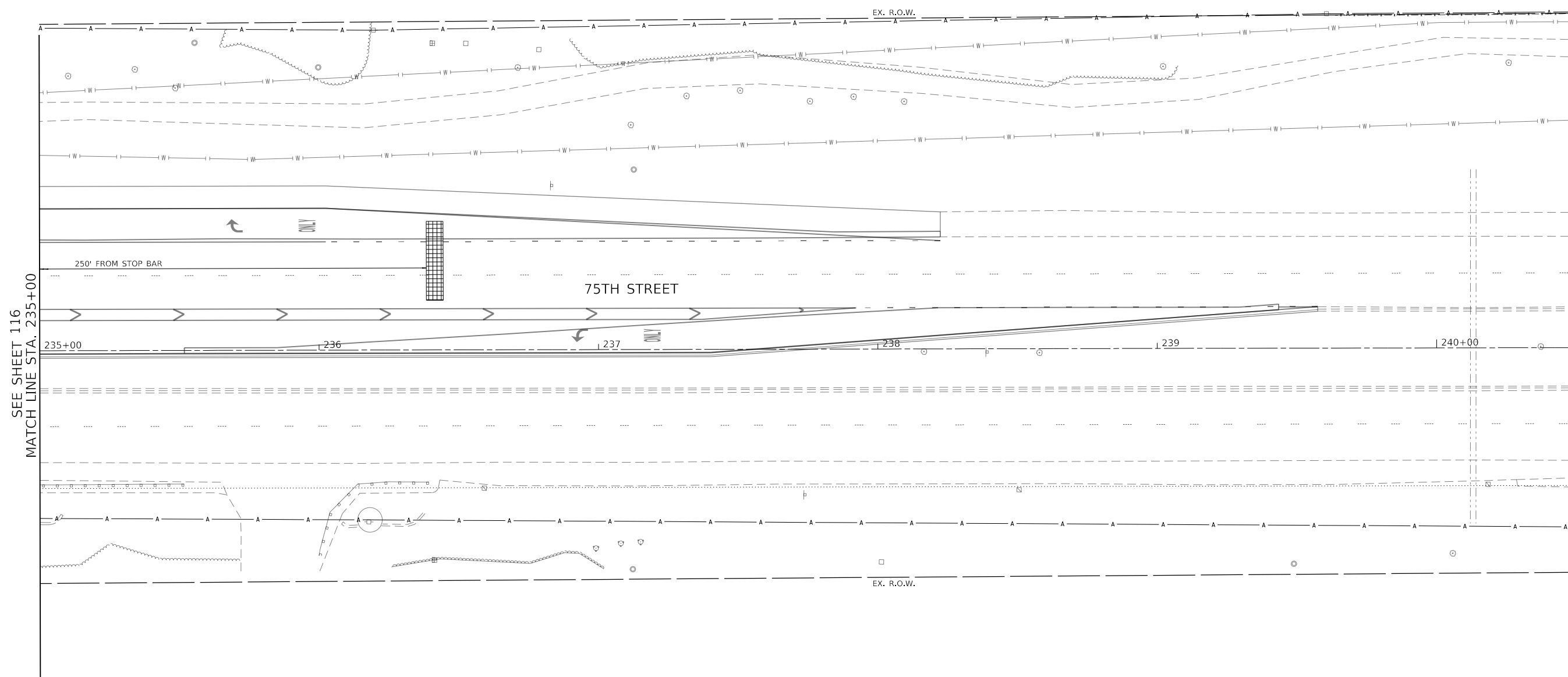
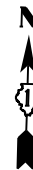
USER NAME = mtomaszewski	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/24/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL INSTALLATION PLAN</b>	
<b>75TH STREET AT MODAFF ROAD</b>	
SCALE: 1" = 20'	SHEET 7 OF 10 SHEETS
STA. 229+24	TO STA. 235+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	116
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				





SEE SHEET 116  
MATCH LINE STA. 235+00



MODEL: Default  
FILE: h:\m\18-00233-04-5P\_CADD\_Sheets\040556-sheet\signal\_plan\_modaff\_final\_02.dgn



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

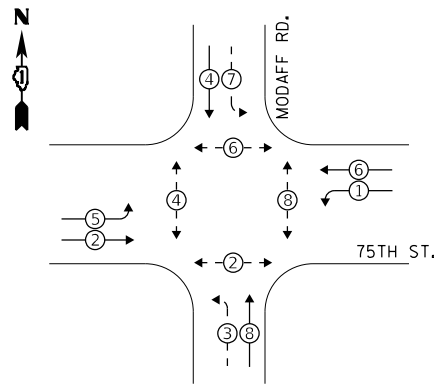
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT MODAFF ROAD**

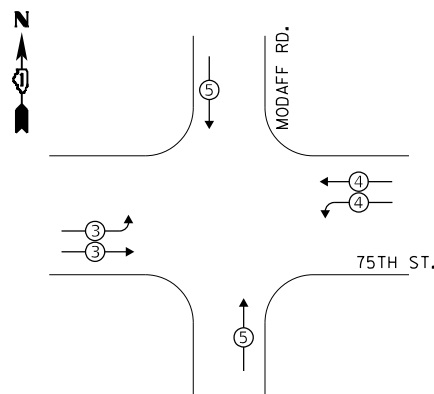
SCALE: 1" = 20' SHEET 8 OF 10 SHEETS STA. 235+00 TO STA. 240+47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	117
			CONTRACT NO. 61H29	
		ILLINOIS	FED. AID PROJECT	

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**LEGEND:**

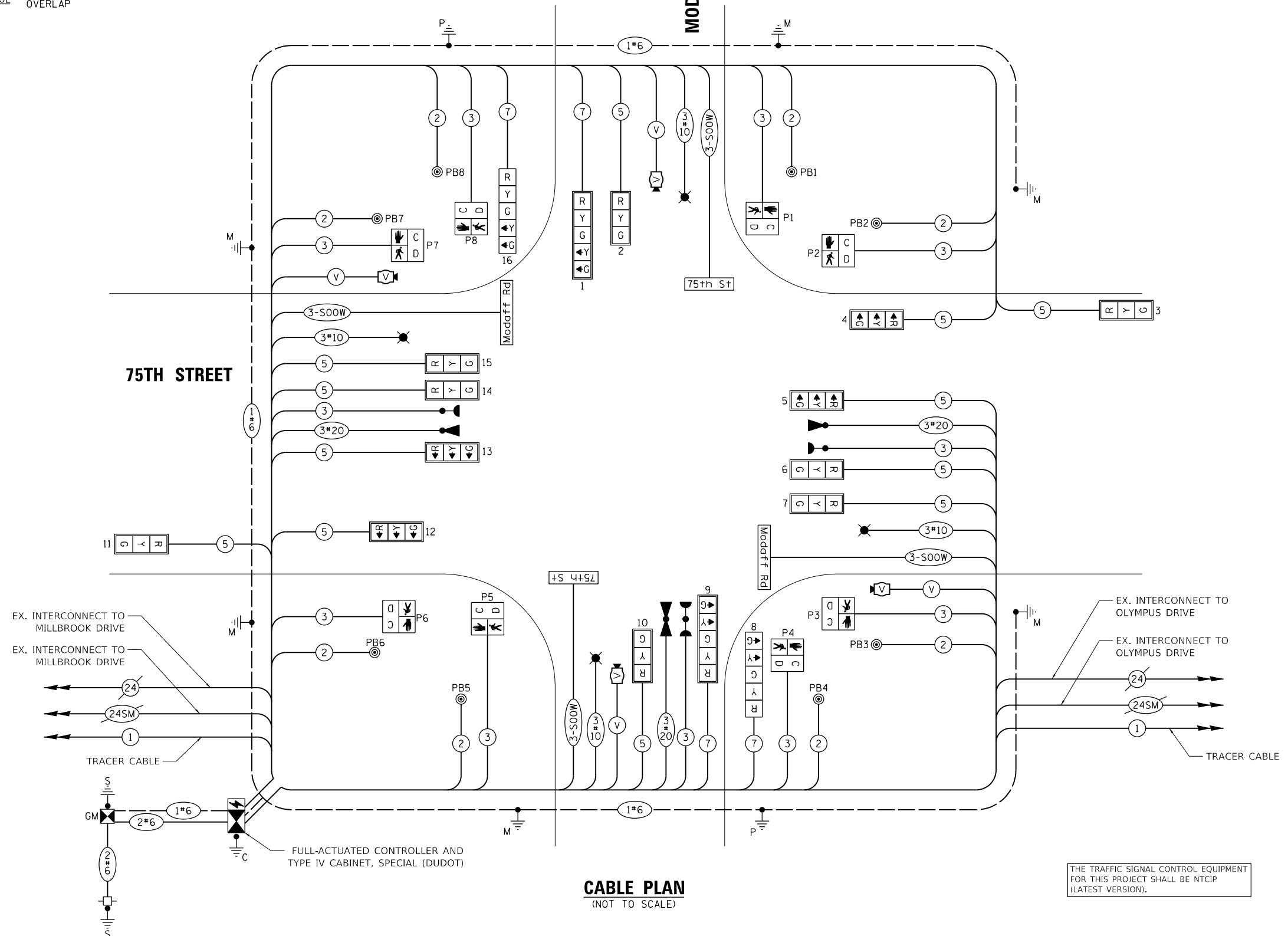
- ⊗ PROTECTED PHASE
- ⊗ - PROTECTED/PERMITTED PHASE
- ⊗ - PEDESTRIAN PHASE
- ⊗ OL OVERLAP

**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	4	165	50	330.0
<b>TOTAL =</b>				<b>1617.8</b>

ENERGY COSTS TO:  
CITY OF NAPERVILLE  
400 S. EAGLE STREET  
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
PHONE: (630) 420-4183  
COMPANY: NAPERVILLE ELECTRIC  
ACCOUNT NUMBER:



**CABLE PLAN**  
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TS SHT NO. 14

MODEL: Defn; FILE NAME: W8500\_Drawing5152\_CADD\_Sheets\040556-rtr\trf1\_cable\_plan.ncs\trf1.dwg

**Bowman** 311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-0560  
www.bowman.com

USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

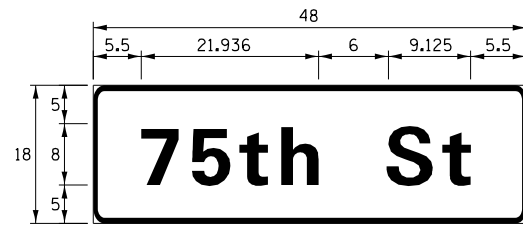
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AT MODAFF ROAD**

SCALE: NONE SHEET 9 OF 10 SHEETS STA. NA TO STA. NA

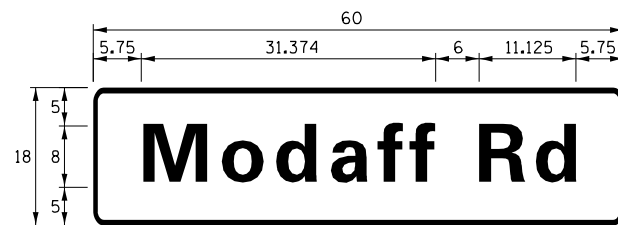
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	118
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		

**LED ILLUMINATED STREET NAME SIGN**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

**NOTES:**

SIGNS SHALL BE FURNISHED AS DOUBLE-SIDED.

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	64
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	71
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	498
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	963
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,372
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,015
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,656
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	747
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	35
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	672
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	660
RELOCATE SWITCH	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LUMINAIRE, LED, SPECIAL	EACH	4
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	1,016
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VEHICLE DETECTION SYSTEM, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO. 15

MODEL: D:\info\110000\Drawings\502\_CADD\_Sheets\040556-sh1-sign1\_schedule-modaff.dgn



311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-0560  
www.bowman.com

USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS  
AND SCHEDULE OF QUANTITIES  
75TH STREET AT MODAFF ROAD**

SCALE: NONE SHEET 10 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 119
		CONTRACT NO. 61H29		
		ILLINOIS FED. AID PROJECT		

### REMOVAL AND RELOCATION NOTES

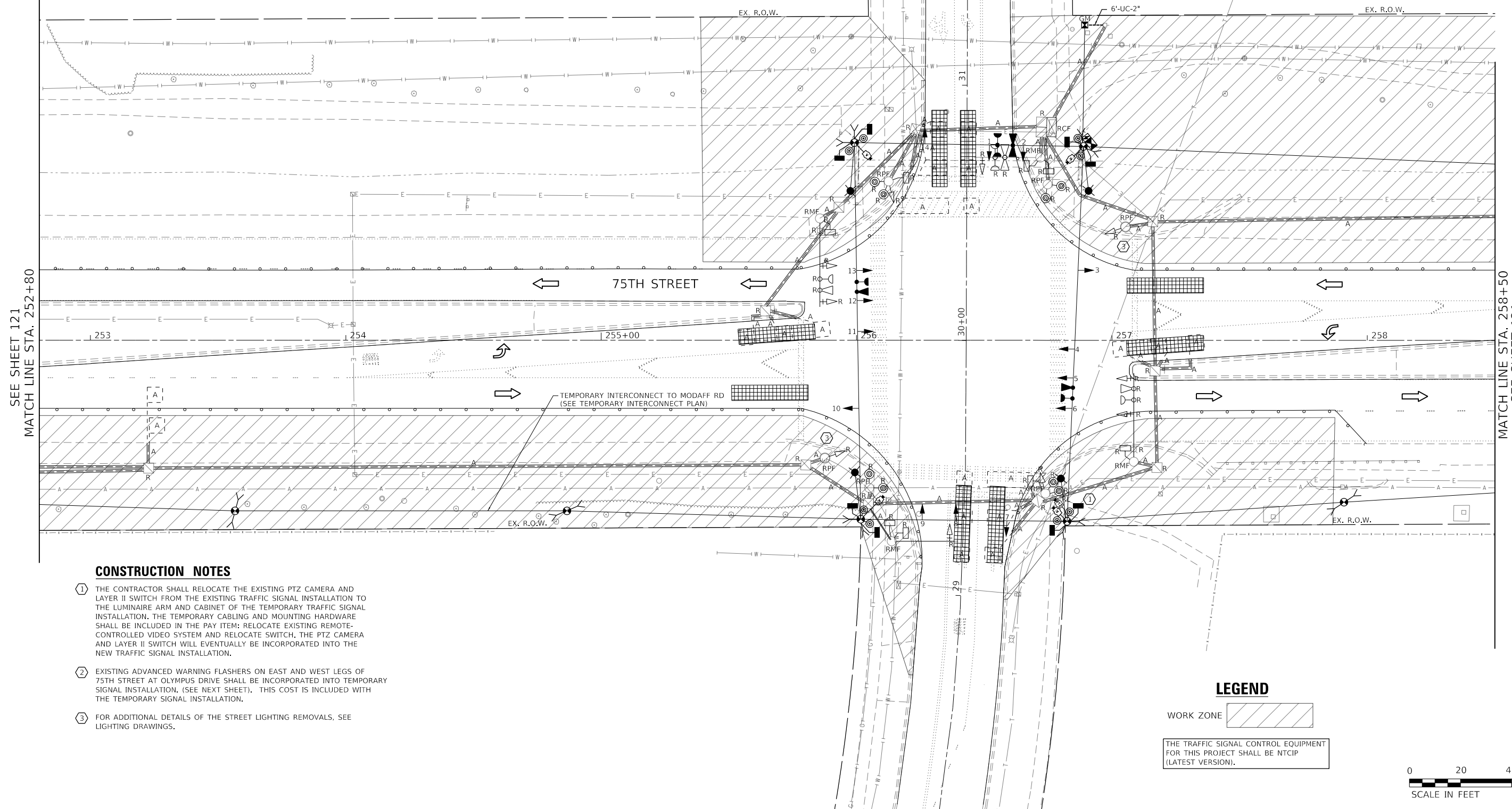
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH COMBINATION MAST ARM ASSEMBLY AND POLE
- 2 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN PUSH-BUTTON POST
- 2 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH LUMINAIRE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE EQUIPMENT TO BE RETURNED TO THE DUPAGE COUNTY DIVISION OF TRANSPORTATION.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

FOR ADDITIONAL DETAILS OF THE STREET LIGHT REMOVALS, SEE LIGHTING DRAWINGS.



SEE SHEET 121  
MATCH LINE STA. 252+80

MATCH LINE STA. 258+50  
SEE SHEET 121

### CONSTRUCTION NOTES

- 1 THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.
- 2 EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT OLYMPUS DRIVE SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET). THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.
- 3 FOR ADDITIONAL DETAILS OF THE STREET LIGHTING REMOVALS, SEE LIGHTING DRAWINGS.

### LEGEND

- WORK ZONE
- THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



MODEL: Default  
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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCALE: 1" = 20'</b>		
SHEET 1	OF 10 SHEETS	STA. 252+74 TO STA. 258+50

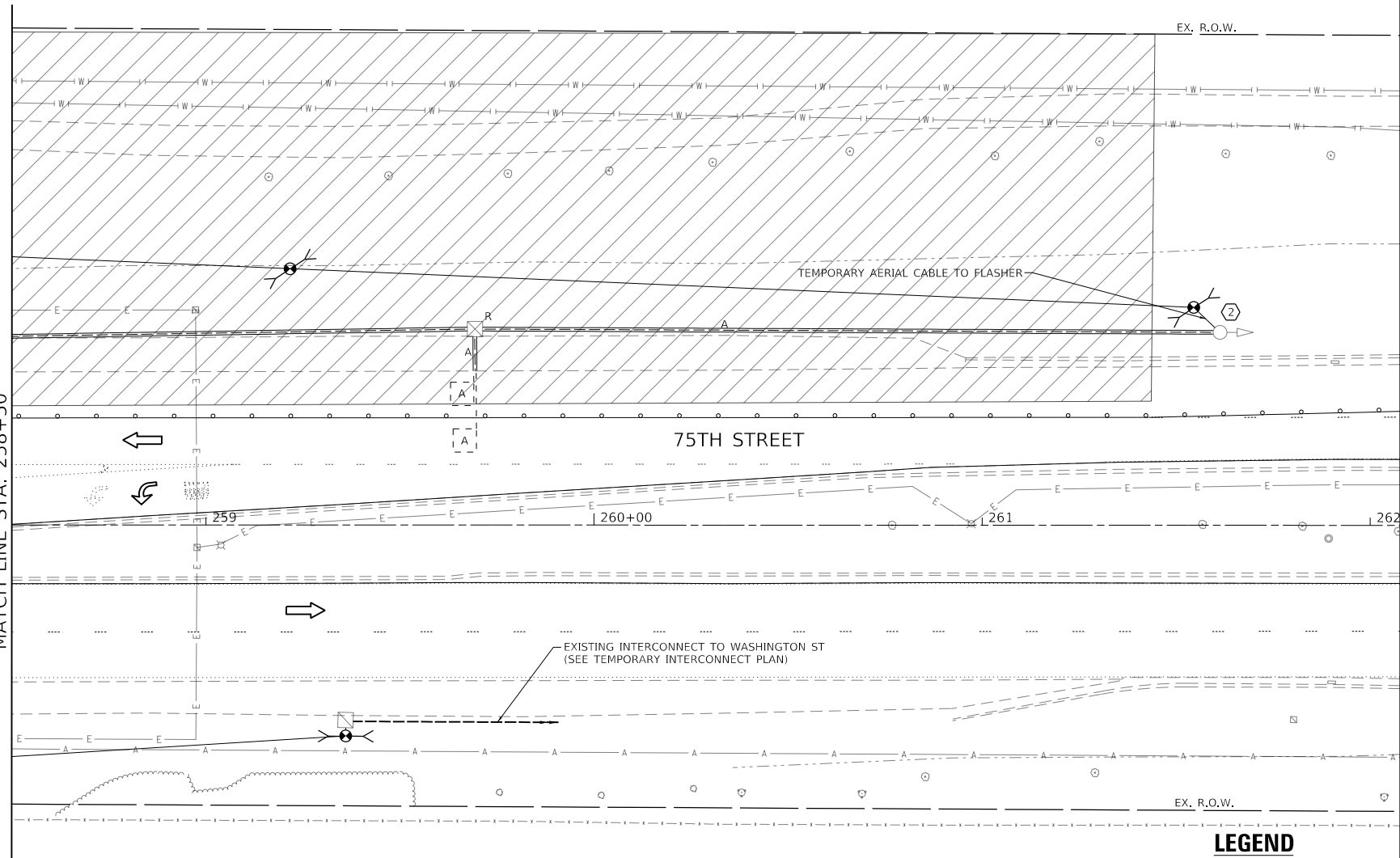
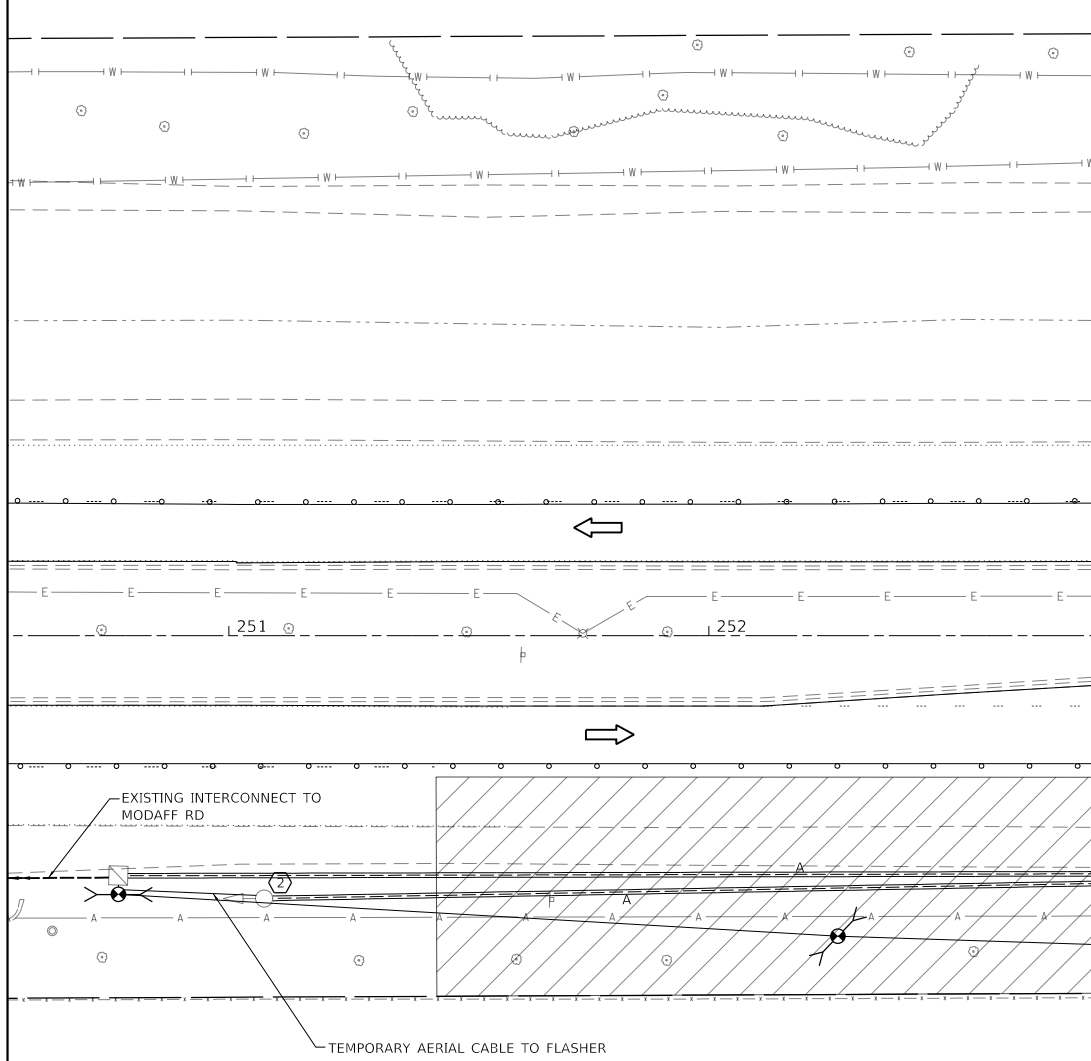
**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AT OLYMPUS DRIVE**

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 120
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

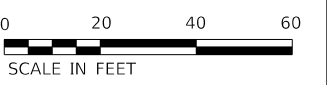


**CONSTRUCTION NOTES**

- ② EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT OLYMPUS DRIVE SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.



**LEGEND**



MODEL: Default  
FILE NAME: W3500\_Drawing0502\_CADD\_Sheets\040565-sh-tyl-tyl-dim\_olympus\_Stage1\_02.dgn



USER NAME = kberry	DESIGNED -	REVISED -
DRAWN -	REVISED -	
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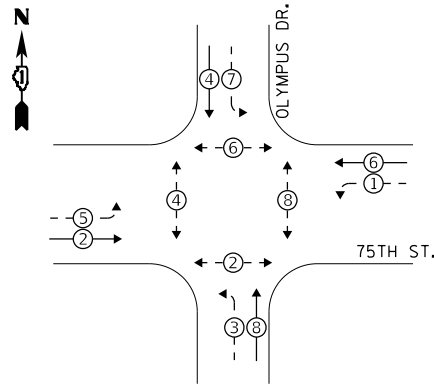
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AT OLYMPUS DRIVE**

SCALE: 1" = 20' SHEET 2 OF 10 SHEETS STA. 258+50 TO STA. 263+98

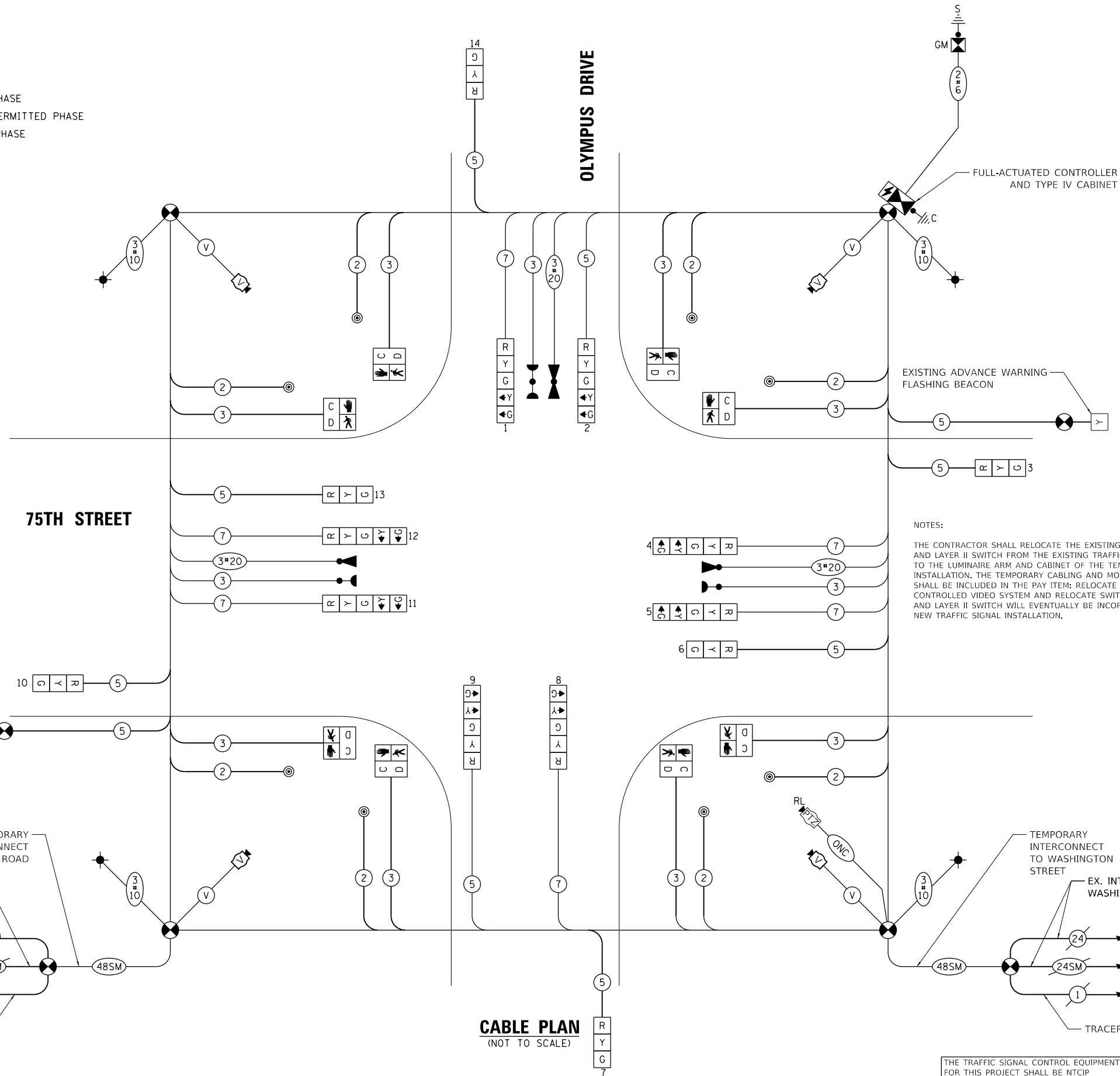
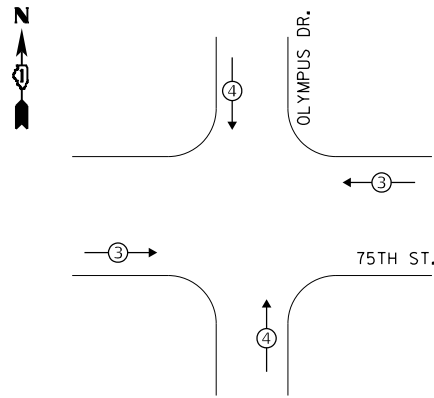
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	121
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

**STAGE 1 CONTROLLER SEQUENCE**



- LEGEND:**
- ⊗ PROTECTED PHASE
  - ⊗ - PROTECTED/PERMITTED PHASE
  - ⊗ - PEDESTRIAN PHASE
  - ⊗ OL OVERLAP

**STAGE 1 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**NOTES:**

THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
<b>TOTAL =</b>				<b>1373.8</b>

ENERGY COSTS TO:  
**CITY OF NAPERVILLE**  
 400 S. EAGLE STREET  
 NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: **RON RITTER**  
 PHONE: (630) 420-4183  
 COMPANY: **NAPERVILLE ELECTRIC**  
 ACCOUNT NUMBER: ---

**TS SHT NO. 14**



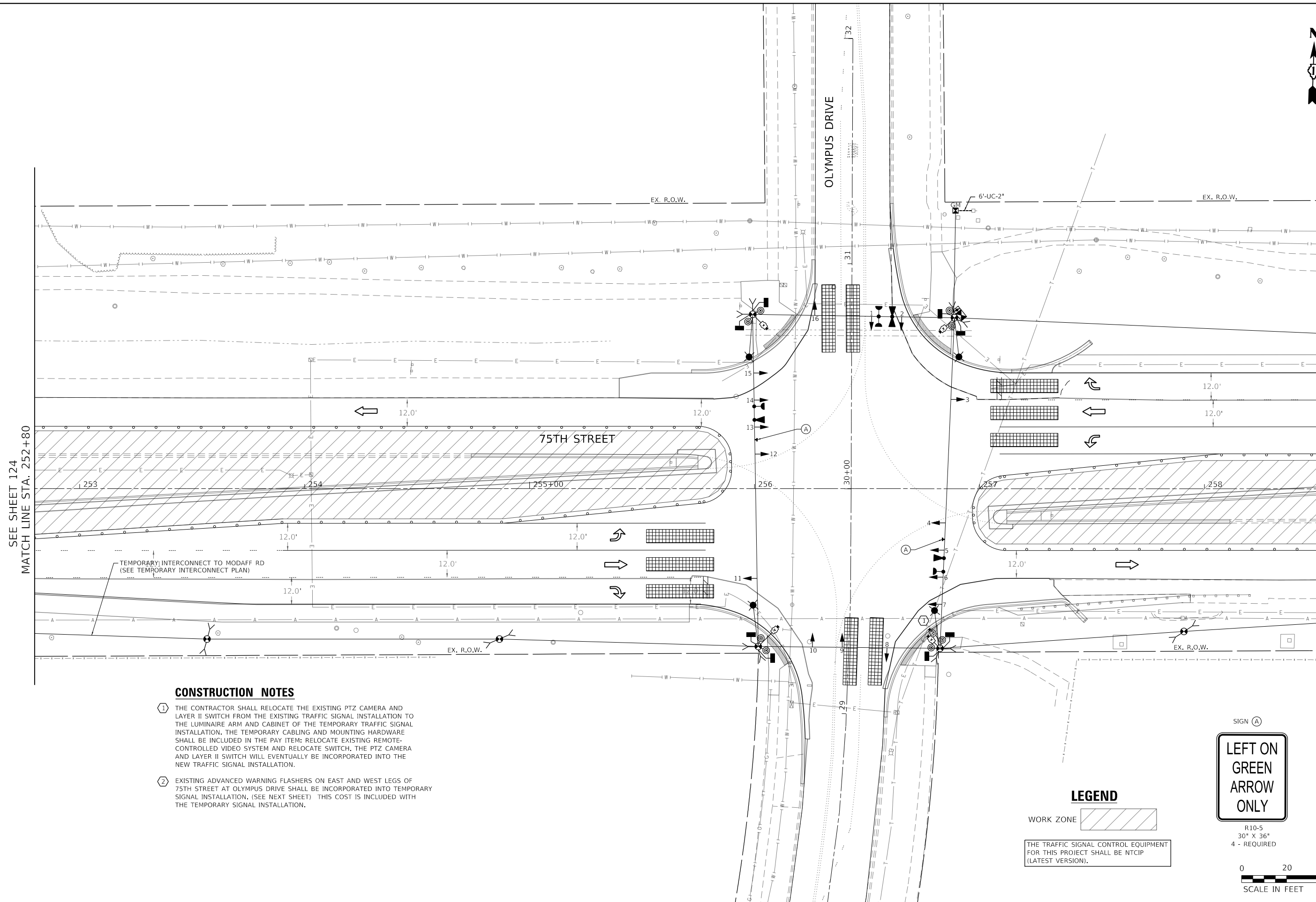
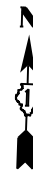
USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
 AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 75TH STREET AT OLYMPUS DRIVE**

SCALE: NONE SHEET 3 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	122
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	



SEE SHEET 124  
MATCH LINE STA. 252+80

MATCH LINE STA. 258+50  
SEE SHEET 124

**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.
- ② EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT OLYMPUS DRIVE SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET) THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.

**LEGEND**

- WORK ZONE
- THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



R10-5  
30" X 36"  
4 - REQUIRED



MODEL: Default  
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 311 S. Wacker Drive, Suite 1950  
 Chicago, Illinois 60606  
 312-474-0500  
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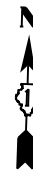
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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGE II TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN</b>			
<b>75TH STREET AT OLYMPUS DRIVE</b>			
SCALE: 1" = 20'	SHEET 4	OF 10 SHEETS	STA. 252+74 TO STA. 258+50

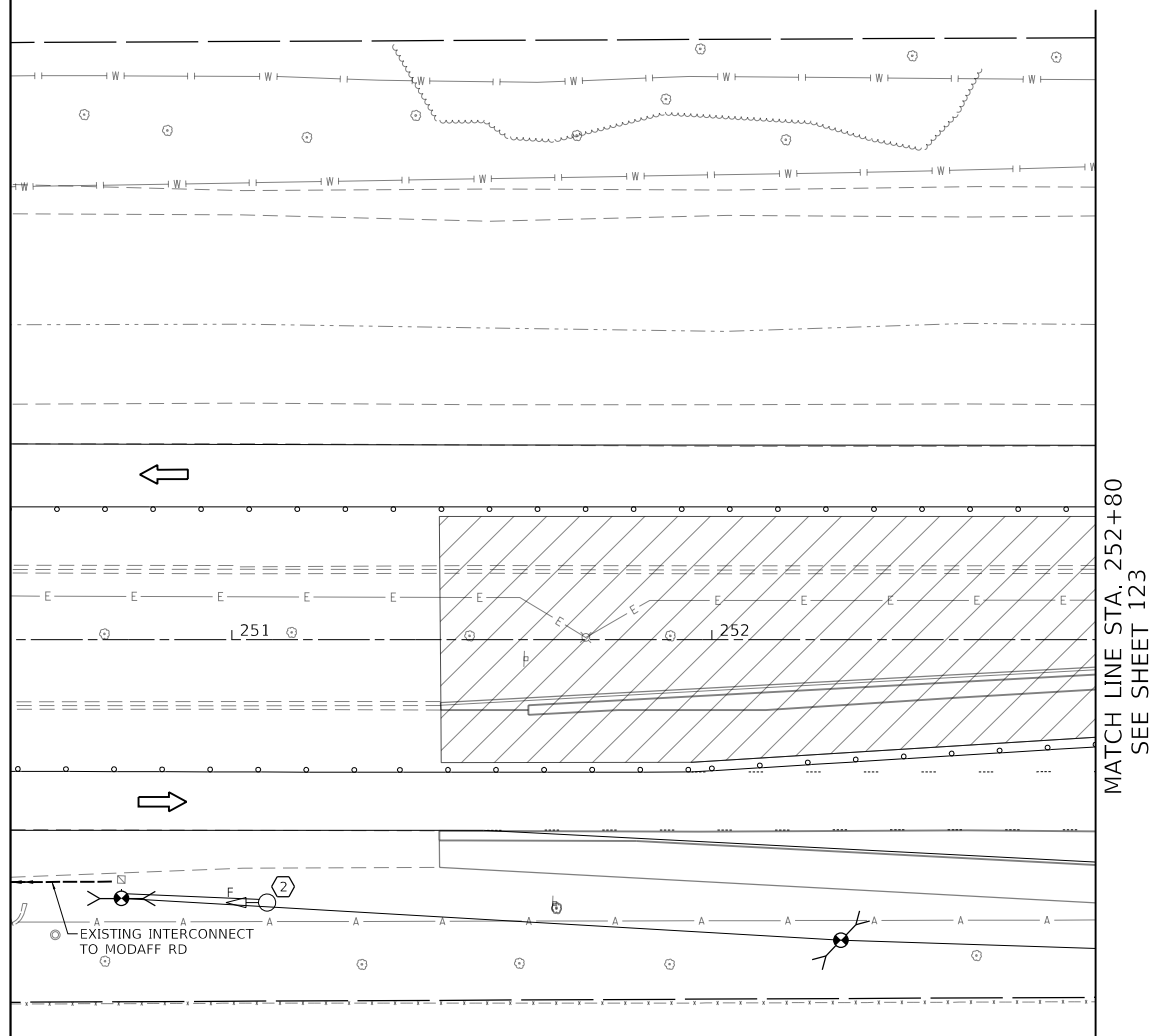
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	123
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				



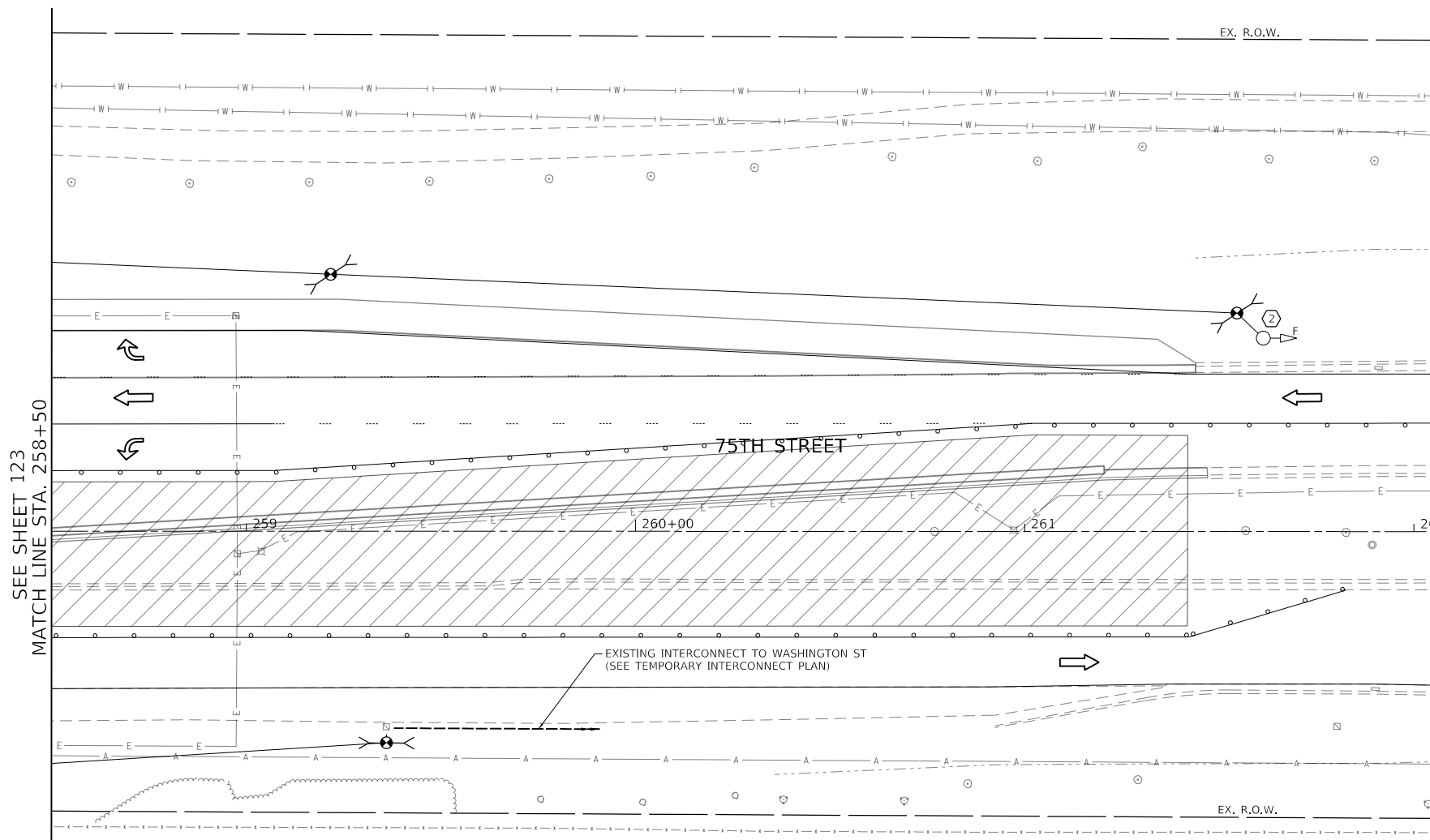


**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.
- ② EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT OLYMPUS DRIVE SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET). THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.



MATCH LINE STA. 252+80  
SEE SHEET 123



SEE SHEET 123  
MATCH LINE STA. 258+50

**LEGEND**



MODEL: Default  
FILE NAME: W8300\_Drawing51592\_CADD\_Sheets\040555-shr-traffic\plan\_olympus\_Stage2\_02.dgn



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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

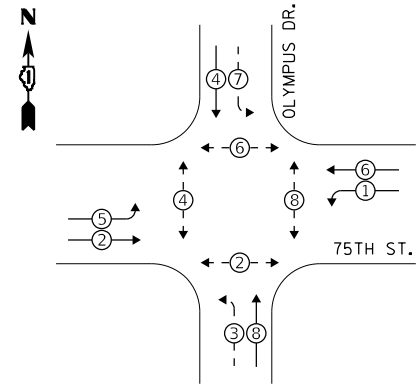
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT OLYMPUS DRIVE**

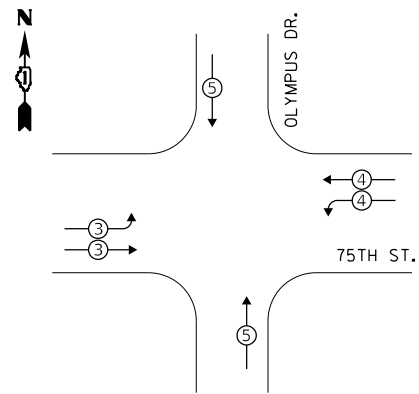
SCALE: 1" = 20' SHEET 5 OF 10 SHEETS STA. 258+50 TO STA. 263+98

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 124
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

**STAGE 2 CONTROLLER SEQUENCE**

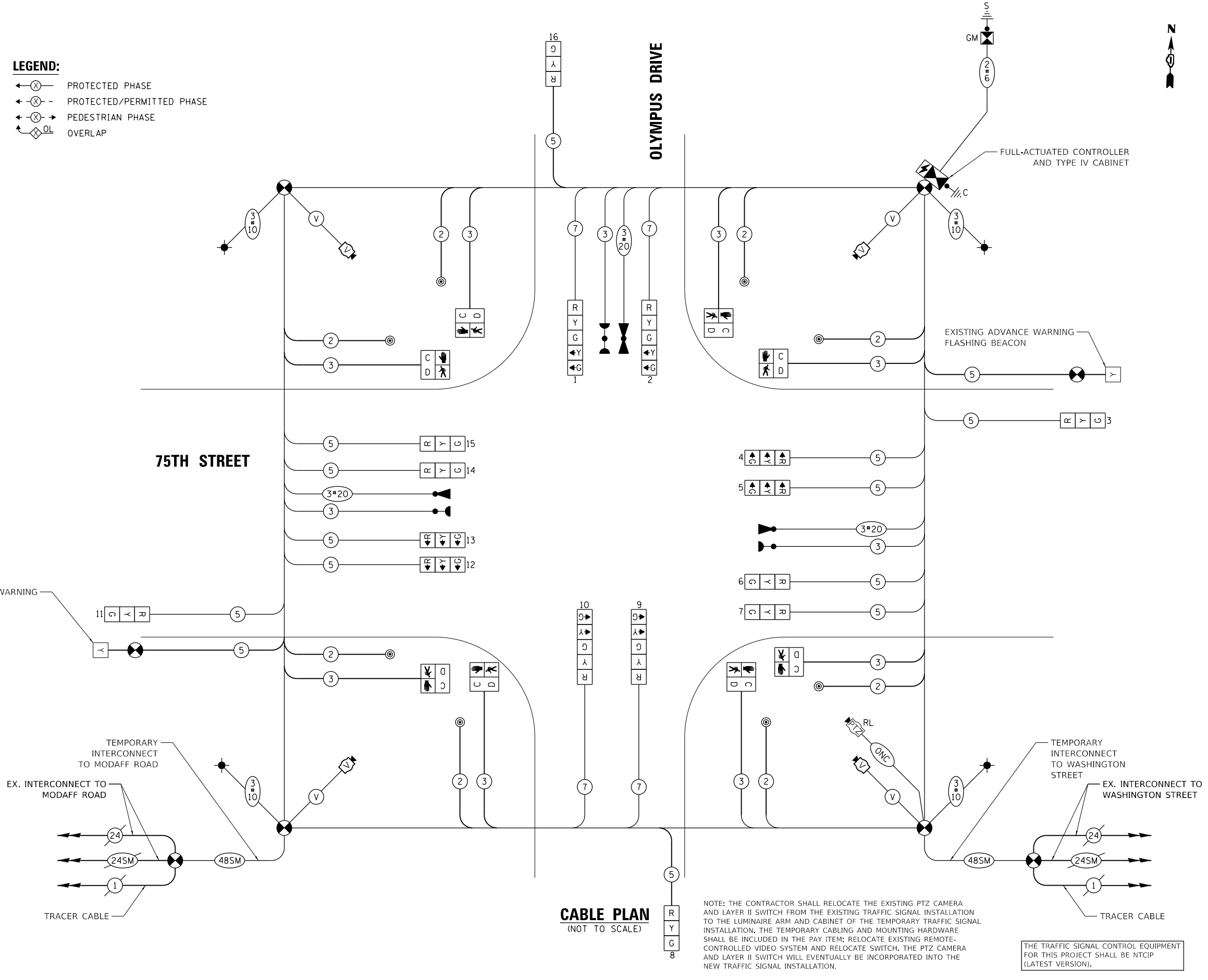


**STAGE 2 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ⊗ PROTECTED PHASE
- ⊗ - PROTECTED/PERMITTED PHASE
- ⊗ - PEDESTRIAN PHASE
- ⊗ OL OVERLAP



**CABLE PLAN**  
(NOT TO SCALE)

NOTE: THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH, THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
<b>TOTAL =</b>				<b>1373.8</b>

ENERGY COSTS TO:  
CITY OF NAPERVILLE  
400 S. EAGLE STREET  
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
PHONE: (630) 420-4183  
COMPANY: NAPERVILLE ELECTRIC  
ACCOUNT NUMBER: ---

TS SHT NO. 14



USER NAME = kberry  
DESIGNED -  
DRAWN -  
PLOT SCALE = 40.0000" / in.  
PLOT DATE = 11/3/2021

REVISOR -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

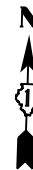
STAGE 2 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AT OLYMPUS DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	125

CONTRACT NO. 61H29

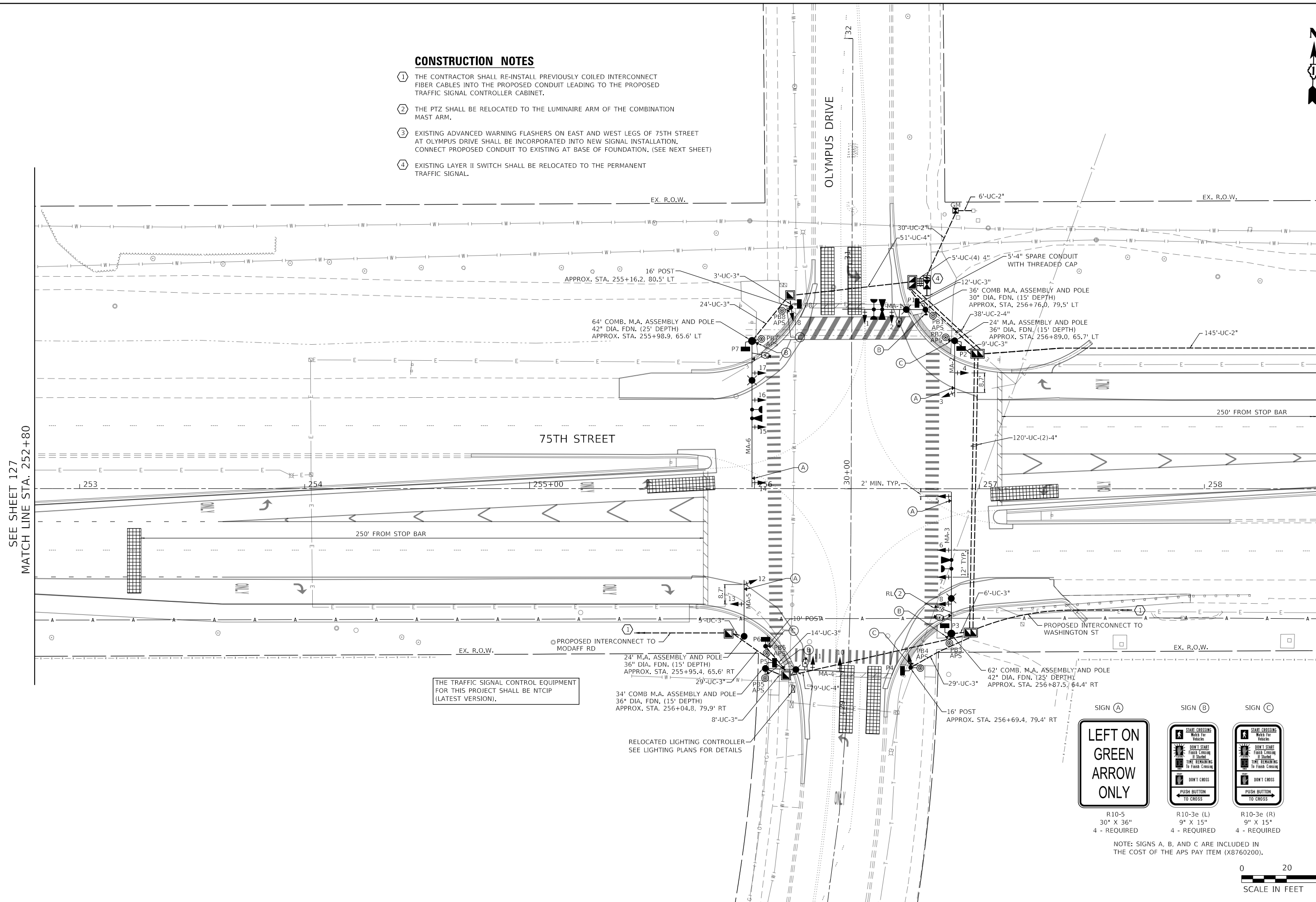
SCALE: NONE SHEET 6 OF 10 SHEETS STA. NA TO STA. NA

ILLINOIS FED. AID PROJECT



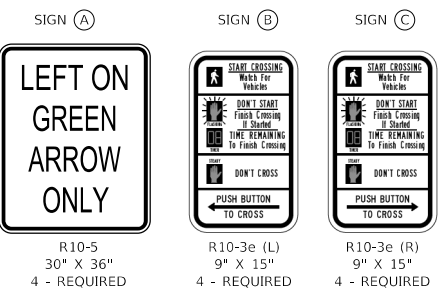
### CONSTRUCTION NOTES

- ① THE CONTRACTOR SHALL RE-INSTALL PREVIOUSLY COILED INTERCONNECT FIBER CABLES INTO THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- ② THE PTZ SHALL BE RELOCATED TO THE LUMINAIRE ARM OF THE COMBINATION MAST ARM.
- ③ EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT OLYMPUS DRIVE SHALL BE INCORPORATED INTO NEW SIGNAL INSTALLATION. CONNECT PROPOSED CONDUIT TO EXISTING AT BASE OF FOUNDATION. (SEE NEXT SHEET)
- ④ EXISTING LAYER II SWITCH SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL.



SEE SHEET 127  
MATCH LINE STA. 252+80

MATCH LINE STA. 258+50  
SEE SHEET 127



NOTE: SIGNS A, B, AND C ARE INCLUDED IN THE COST OF THE APS PAY ITEM (X8760200).



MODEL: Default  
FILE: h:\mhc\wps300\_Drawing\502\_CADD\_Sheets\040556-shr\signal\_plan\_olympus.dwg  
Bowman

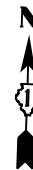


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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

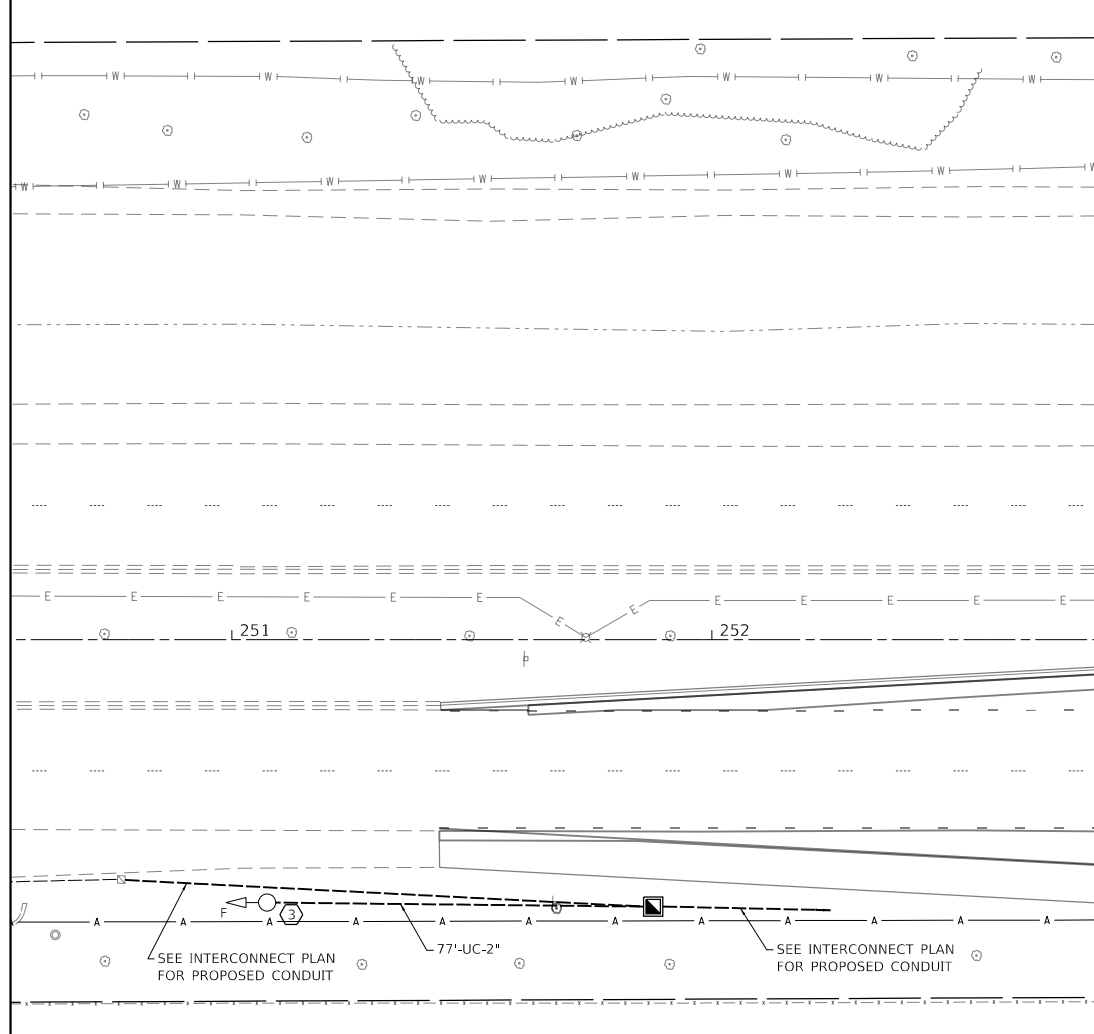
<b>TRAFFIC SIGNAL INSTALLATION PLAN</b>	
<b>75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1" = 20'	SHEET 7 OF 10 SHEETS
STA. 252+74	TO STA. 258+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	126
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

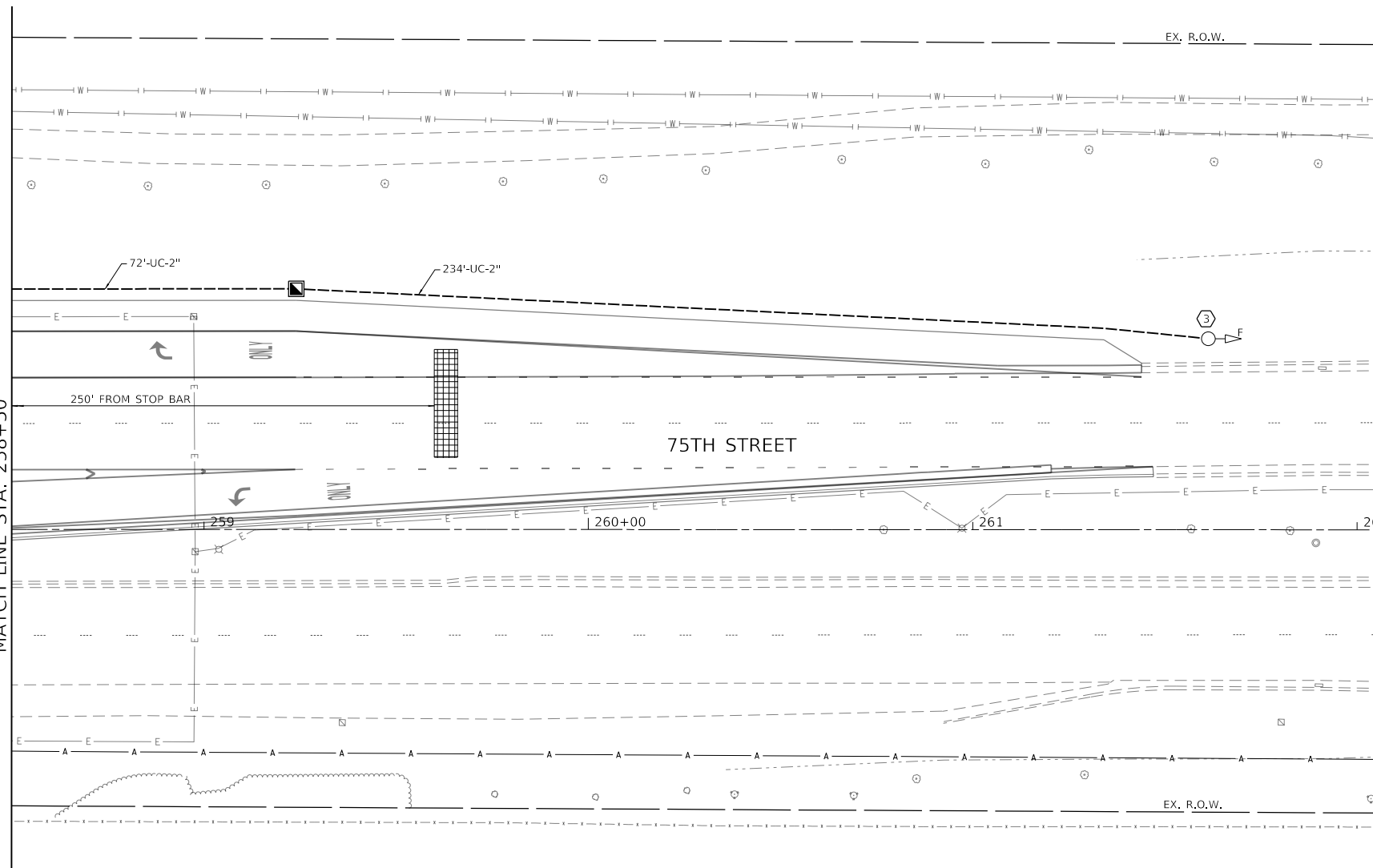


**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RE-INSTALL PREVIOUSLY COILED INTERCONNECT FIBER CABLES INTO THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- ② THE PTZ SHALL BE RELOCATED TO THE LUMINAIRE ARM OF THE COMBINATION MAST ARM.
- ③ EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT OLYMPUS DRIVE SHALL BE INCORPORATED INTO NEW SIGNAL INSTALLATION. CONNECT PROPOSED CONDUIT TO EXISTING AT BASE OF FOUNDATION.



MATCH LINE STA. 252+80  
SEE SHEET 126



SEE SHEET 126  
MATCH LINE STA. 258+50



MODEL: Default  
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	DATE -	REVISED -

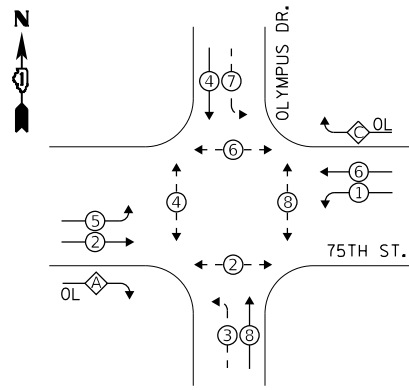
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT OLYMPUS DRIVE**

SCALE: 1" = 20'    SHEET 8 OF 10 SHEETS    STA. 258+50 TO STA. 263+98

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	127
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		

**PROPOSED CONTROLLER SEQUENCE**



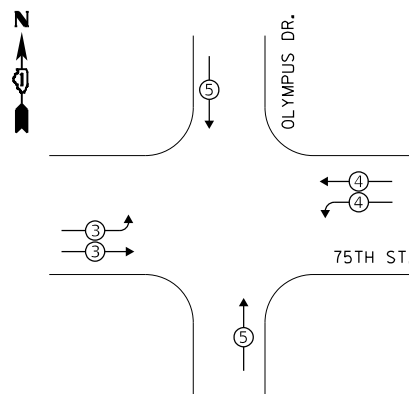
**LEGEND:**

- ⊗ PROTECTED PHASE
- ⊘ PROTECTED/PERMITTED PHASE
- ⊙ PEDESTRIAN PHASE
- ⊖ OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
C	= 6 +	7

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	2	20	50	20.0
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	4	165	50	330.0
<b>TOTAL =</b>				<b>1669.6</b>

ENERGY COSTS TO:  
**CITY OF NAPERVILLE**  
 400 S. EAGLE STREET  
 NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
 PHONE: (630) 420-4183  
 COMPANY: NAPERVILLE ELECTRIC  
 ACCOUNT NUMBER: \_\_\_\_\_

EXISTING ADVANCE WARNING FLASHING BEACON

EX. INTERCONNECT TO MODAFF ROAD  
 EX. INTERCONNECT TO MODAFF ROAD

TRACER CABLE

EX. INTERCONNECT TO WASHINGTON STREET  
 EX. INTERCONNECT TO WASHINGTON STREET

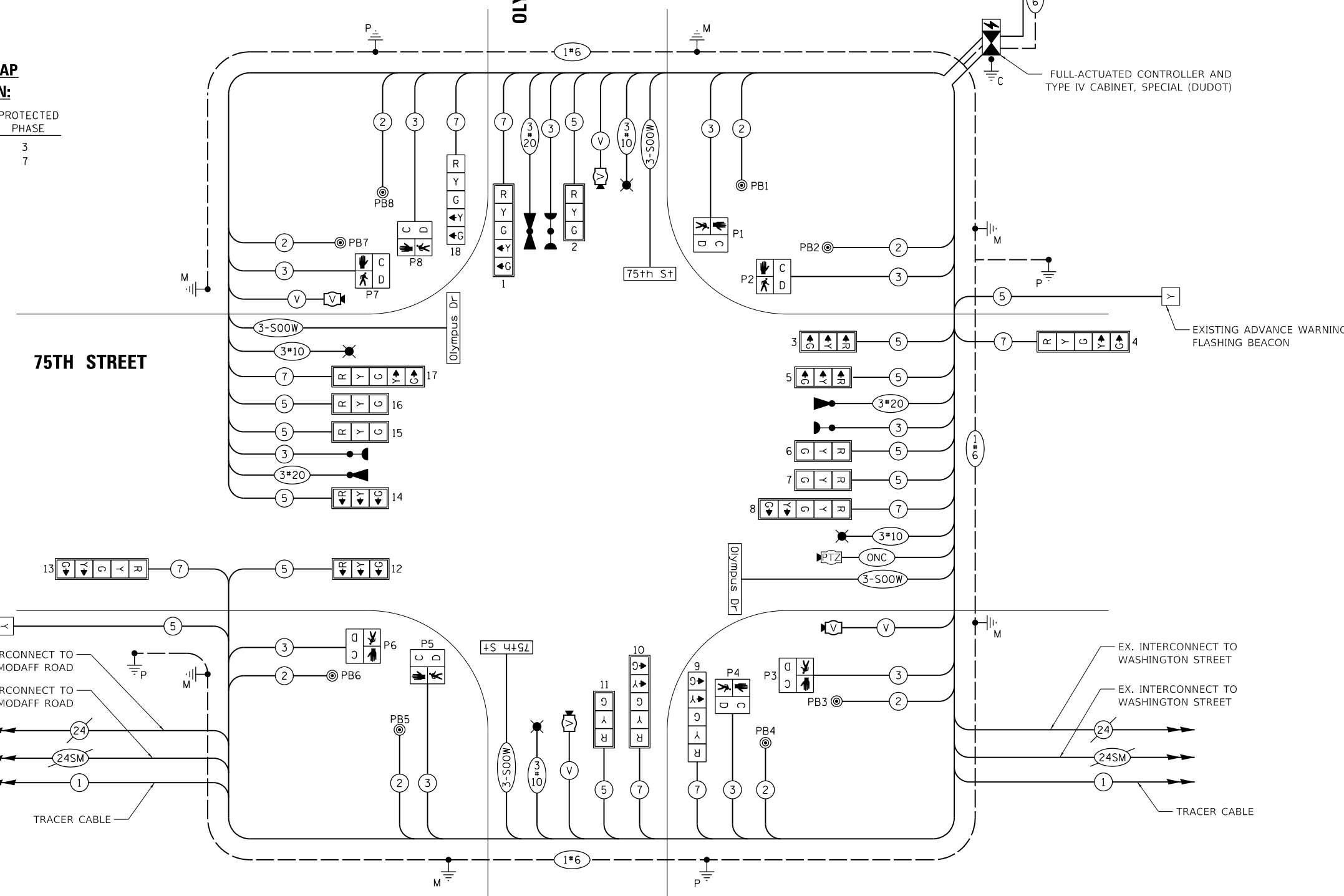
TRACER CABLE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

**CABLE PLAN**  
(NOT TO SCALE)

**75TH STREET**

**OLYMPUS DRIVE**



TS SHT NO. 14

MODEL: Defn: WES00\_Drawing502\_CADD\_Sheets\040565-rt-1.dwg  
 FILE NAME: WES00\_Drawing502\_CADD\_Sheets\040565-rt-1.dwg  
 USER: kberry

**Bowman**

311 S. Wacker Drive, Suite 1950  
 Chicago, Illinois 60606  
 312-474-0560  
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DESIGNED	REVISION
-	-
-	-
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

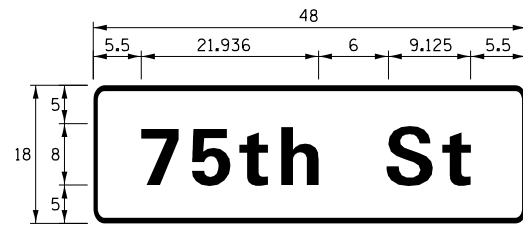
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**75TH STREET AT OLYMPUS DRIVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	128

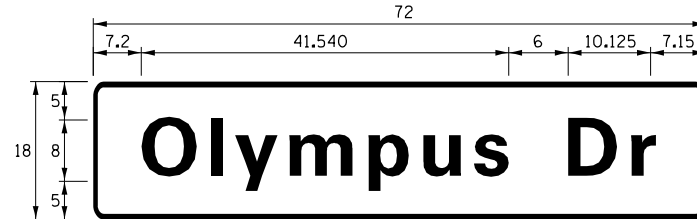
SCALE: NONE SHEET 9 OF 10 SHEETS STA. NA TO STA. NA ILLINOIS FED. AID PROJECT CONTRACT NO. 61H29

**LED ILLUMINATED STREET NAME SIGN**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2

**NOTES:**

SIGNS SHALL BE FURNISHED AS DOUBLE-SIDED.

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	564
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	114
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	455
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,322
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,444
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,065
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,909
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,735
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	50
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,301
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	50
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	632
RELOCATE SWITCH	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
OUTDOOR RATED NETWORK CABLE	FOOT	273
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LUMINAIRE, LED, SPECIAL	EACH	4
RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	2
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	829
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VEHICLE DETECTION SYSTEM, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO. 15

MODEL: Defn.dwg  
FILE NAME: W8300\_Drawing03502\_CADD\_Sheets\040565-sh1-dgn\1\_schedule-olympus.dgn



311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-0560  
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USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS  
AND SCHEDULE OF QUANTITIES  
75TH STREET AT OLYMPUS DRIVE**

SCALE: NONE SHEET 10 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 129
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		

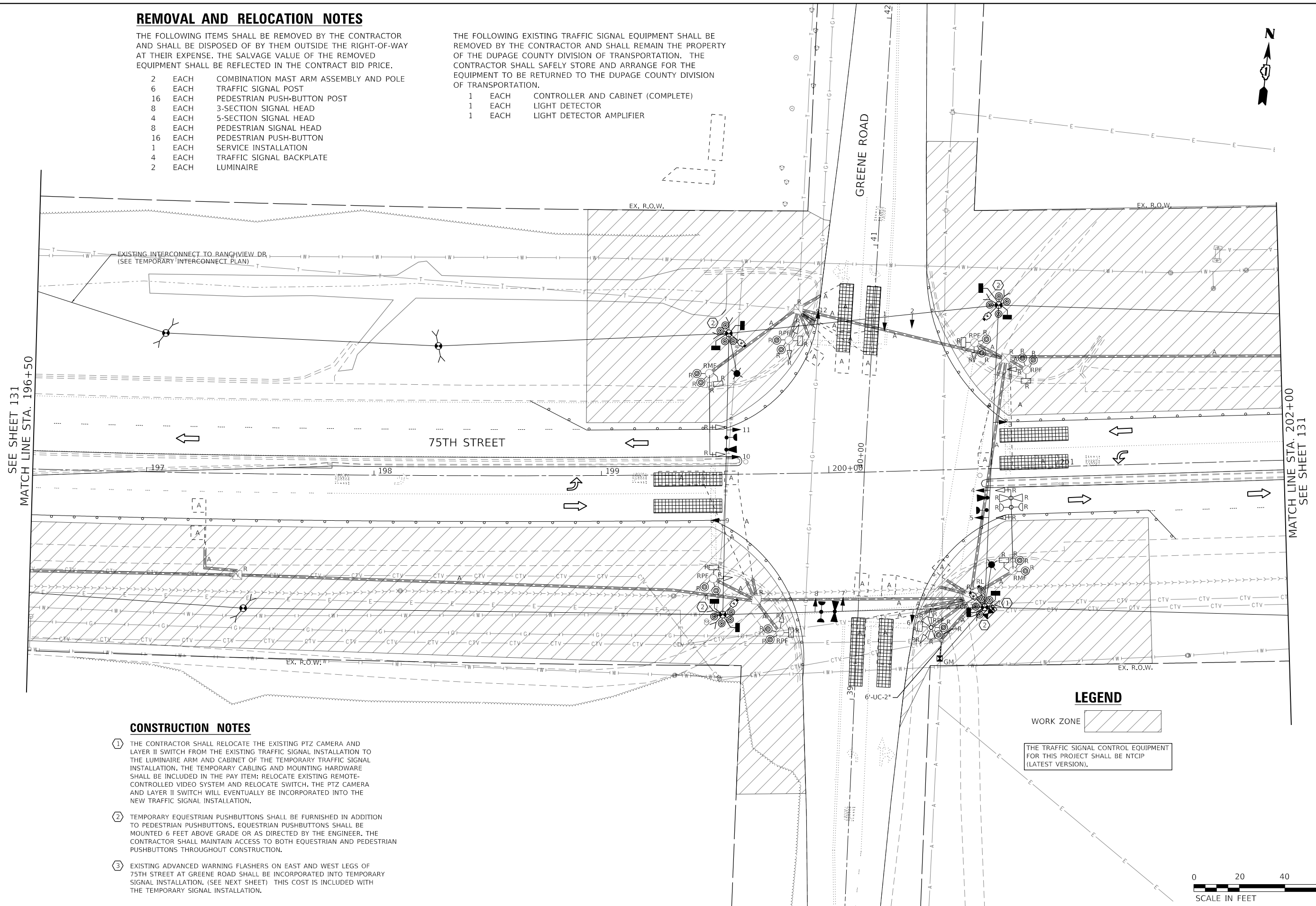
**REMOVAL AND RELOCATION NOTES**

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

- 2 EACH COMBINATION MAST ARM ASSEMBLY AND POLE
- 6 EACH TRAFFIC SIGNAL POST
- 16 EACH PEDESTRIAN PUSH-BUTTON POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 16 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH LUMINAIRE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE EQUIPMENT TO BE RETURNED TO THE DUPAGE COUNTY DIVISION OF TRANSPORTATION.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



SEE SHEET 131  
MATCH LINE STA. 196+50

MATCH LINE STA. 202+00  
SEE SHEET 131

**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.
- ② TEMPORARY EQUESTRIAN PUSHBUTTONS SHALL BE FURNISHED IN ADDITION TO PEDESTRIAN PUSHBUTTONS. EQUESTRIAN PUSHBUTTONS SHALL BE MOUNTED 6 FEET ABOVE GRADE OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BOTH EQUESTRIAN AND PEDESTRIAN PUSHBUTTONS THROUGHOUT CONSTRUCTION.
- ③ EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT GREENE ROAD SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET) THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.

**LEGEND**

- WORK ZONE
- THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



MODEL: Default  
FILE: h:\m\18-00233-04-5P\_CADD\_Sheets\040556-shr\signal\_plan\_green\_Stage1\_01.dgn



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AT GREENE ROAD**

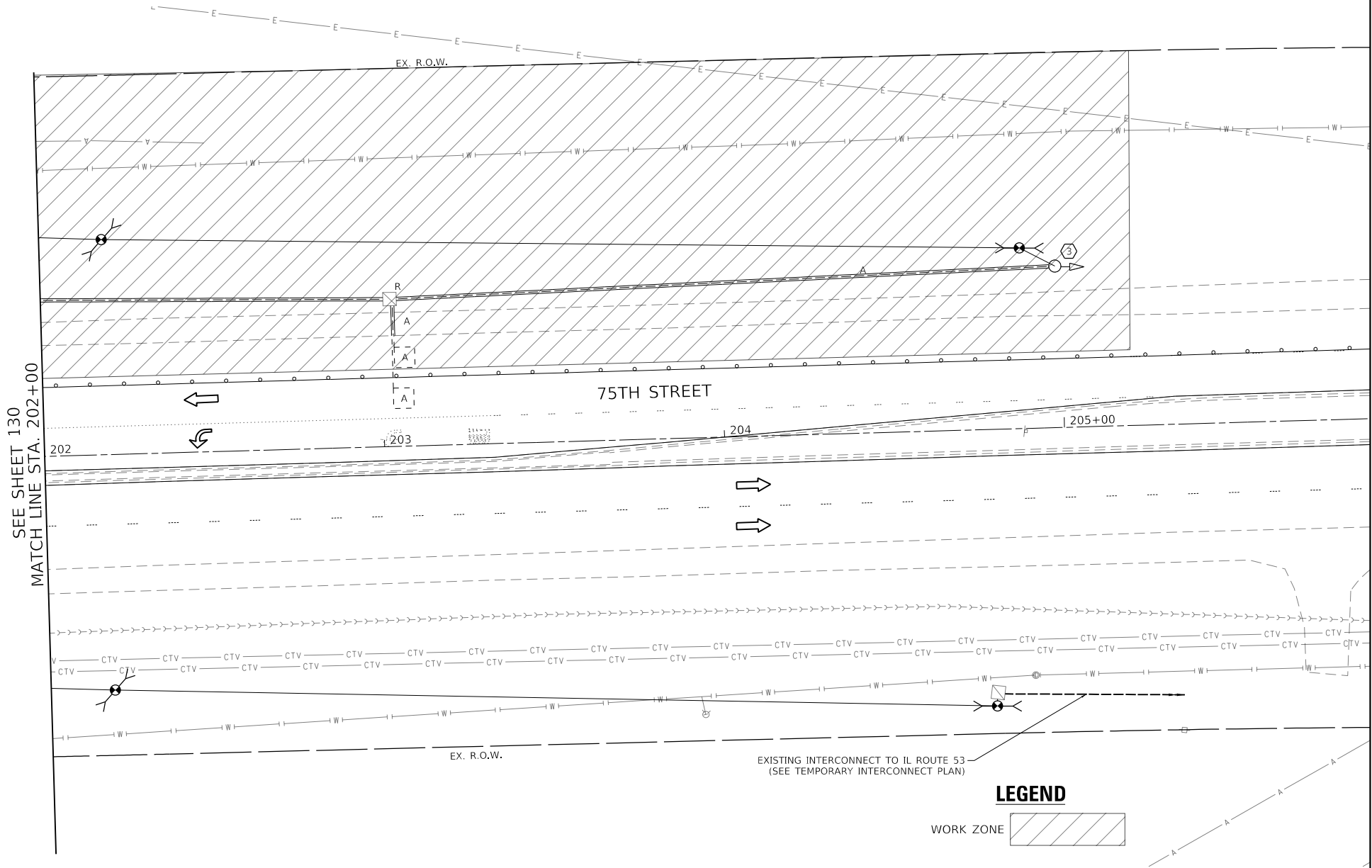
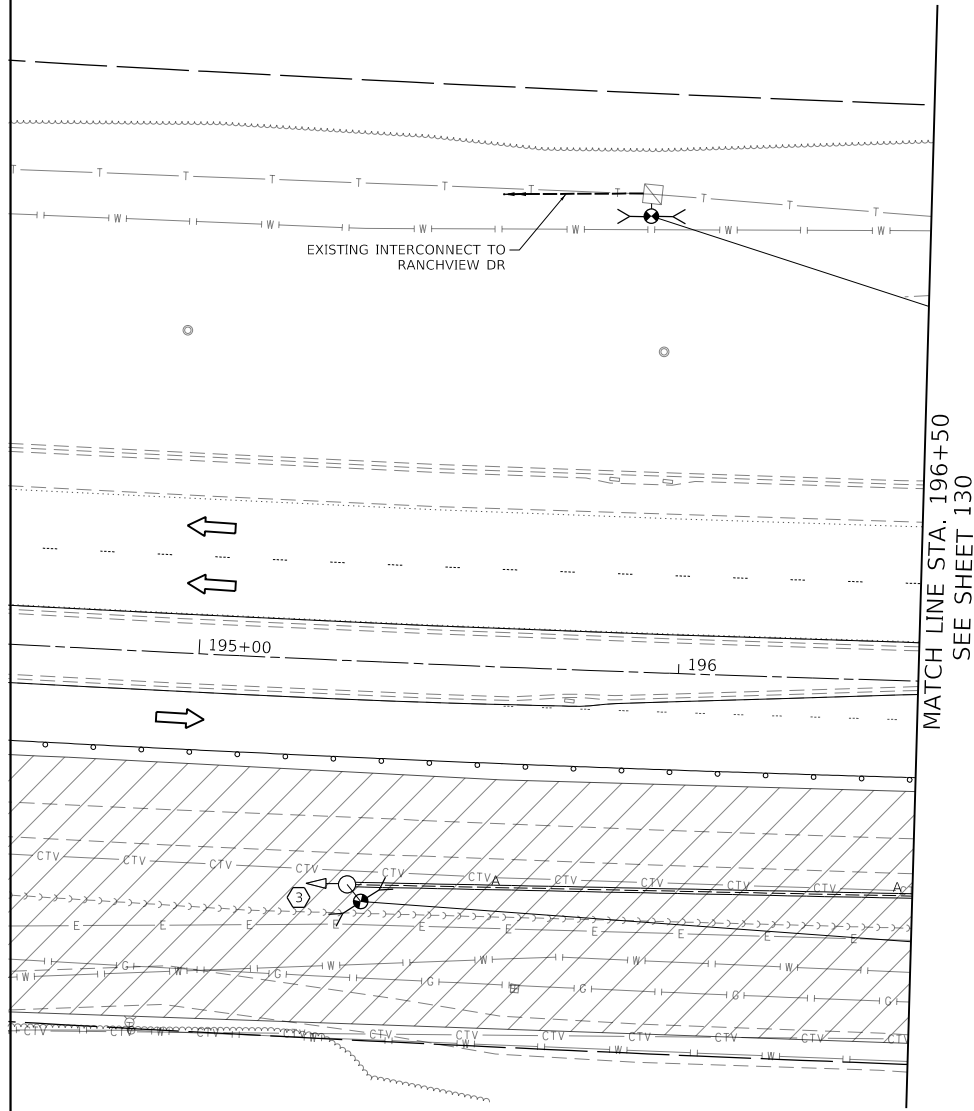
SCALE: 1" = 20' SHEET 1 OF 10 SHEETS STA. 196+18 TO STA. 202+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	130
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION NOTES**

3 EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT GREENE ROAD SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET) THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.



**LEGEND**

WORK ZONE



MODEL: Default  
FILE: h:\mhc\18-000\Drawings\502\_CADD\_Sheets\040556-shc-traffic-plan\_green\_Stage1\_02.dgn



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

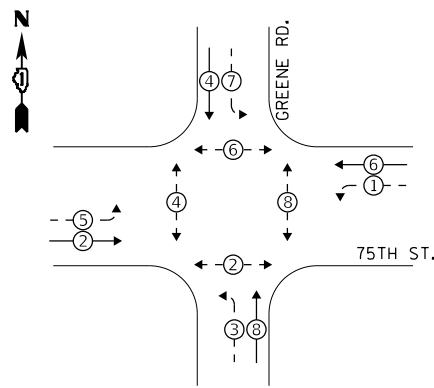
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE I TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
75TH STREET AT GREENE ROAD**

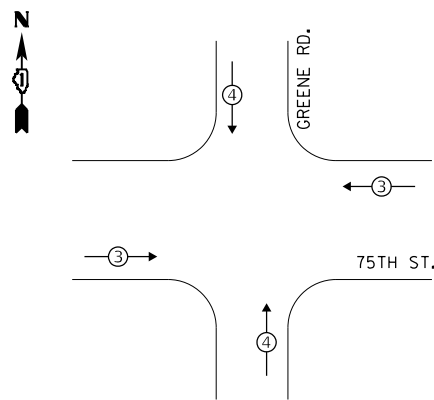
SCALE: 1" = 20' SHEET 2 OF 10 SHEETS STA. 202+00 TO STA. 207+42

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	131
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

**STAGE 1 CONTROLLER SEQUENCE**

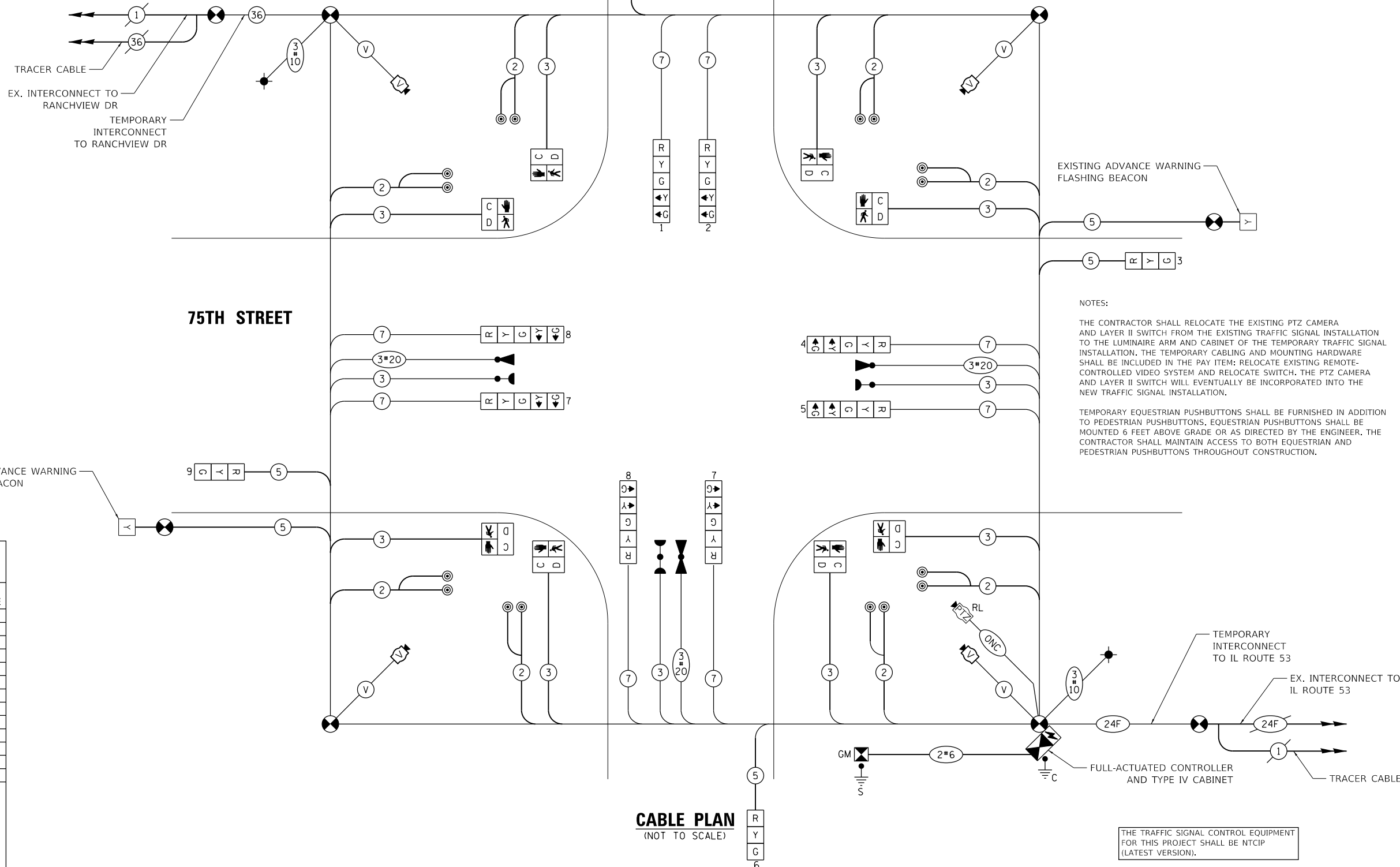


**STAGE 1 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ← (X) → PROTECTED PHASE
- ← (X) - PROTECTED/PERMITTED PHASE
- ← (X) → PEDESTRIAN PHASE
- ← (X) → OVERLAP



**NOTES:**

THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.

TEMPORARY EQUESTRIAN PUSHBUTTONS SHALL BE FURNISHED IN ADDITION TO PEDESTRIAN PUSHBUTTONS. EQUESTRIAN PUSHBUTTONS SHALL BE MOUNTED 6 FEET ABOVE GRADE OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BOTH EQUESTRIAN AND PEDESTRIAN PUSHBUTTONS THROUGHOUT CONSTRUCTION.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	165	50	165.0
<b>TOTAL =</b>				<b>1208.8</b>

ENERGY COSTS TO:  
**CITY OF NAPERVILLE**  
 400 S. EAGLE STREET  
 NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
 PHONE: (630) 420-4183  
 COMPANY: NAPERVILLE ELECTRIC  
 ACCOUNT NUMBER: ---

**Bowman** 311 S. Wacker Drive, Suite 1950  
 Chicago, Illinois 60606  
 312-474-0560  
 www.bowman.com

USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
 AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**75TH STREET AT GREENE ROAD**

SCALE: NONE SHEET 3 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 132
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

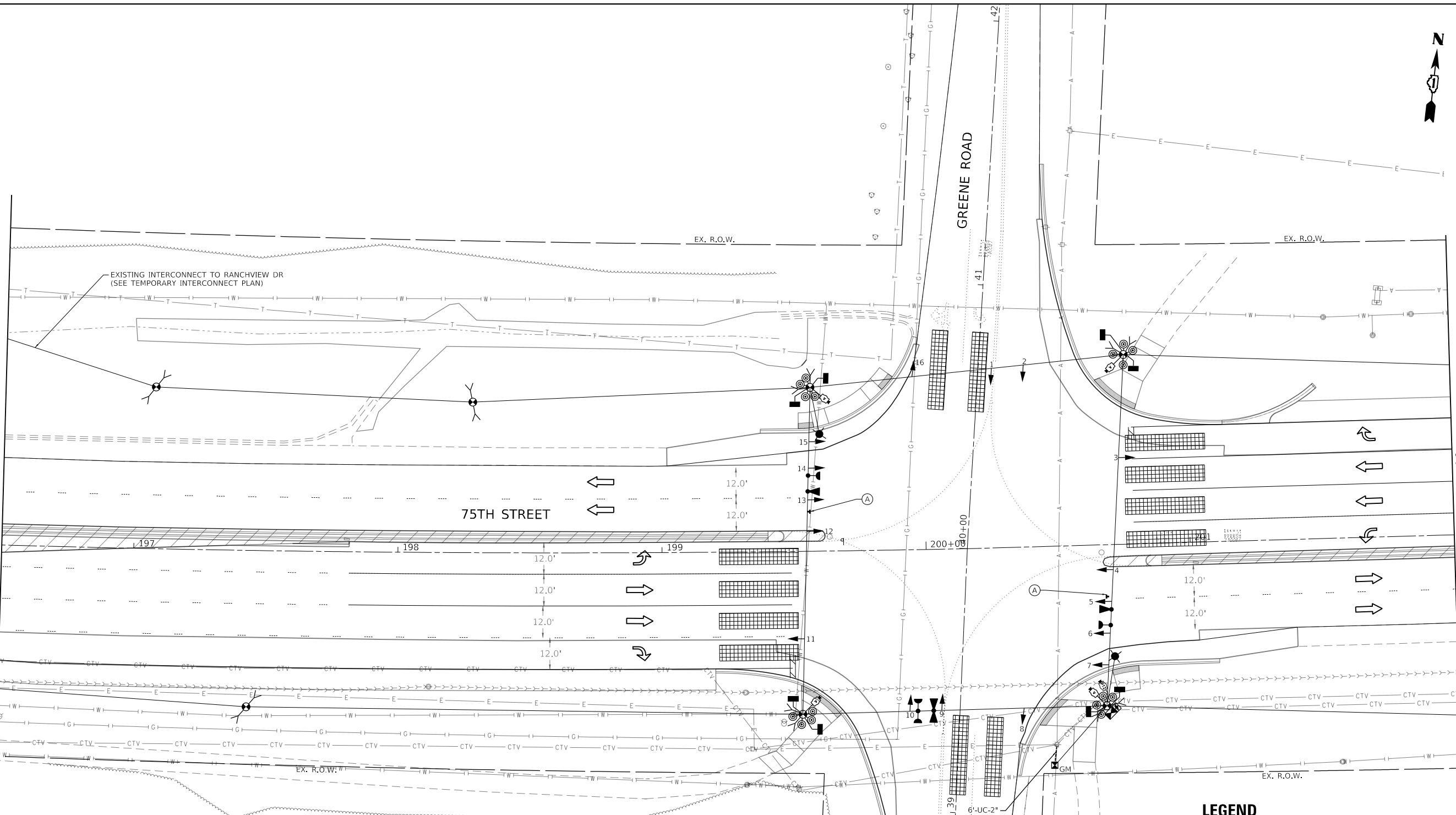
**TS SHT NO. 14**

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SEE SHEET 134  
MATCH LINE STA. 196+50

MATCH LINE STA. 202+00  
SEE SHEET 134



**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.
- ② TEMPORARY EQUESTRIAN PUSHBUTTONS SHALL BE FURNISHED IN ADDITION TO PEDESTRIAN PUSHBUTTONS. EQUESTRIAN PUSHBUTTONS SHALL BE MOUNTED 6 FEET ABOVE GRADE OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BOTH EQUESTRIAN AND PEDESTRIAN PUSHBUTTONS THROUGHOUT CONSTRUCTION.
- ③ EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT GREENE ROAD SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET) THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.



R10-5  
30" X 36"  
4 - REQUIRED

**LEGEND**

WORK ZONE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



MODEL: Default  
FILE NAME: W:\S00\_Drawing\502\_CADD\_Sheets\040556-shr\signal\_plan\_green\_Stage2\_01.dgn



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

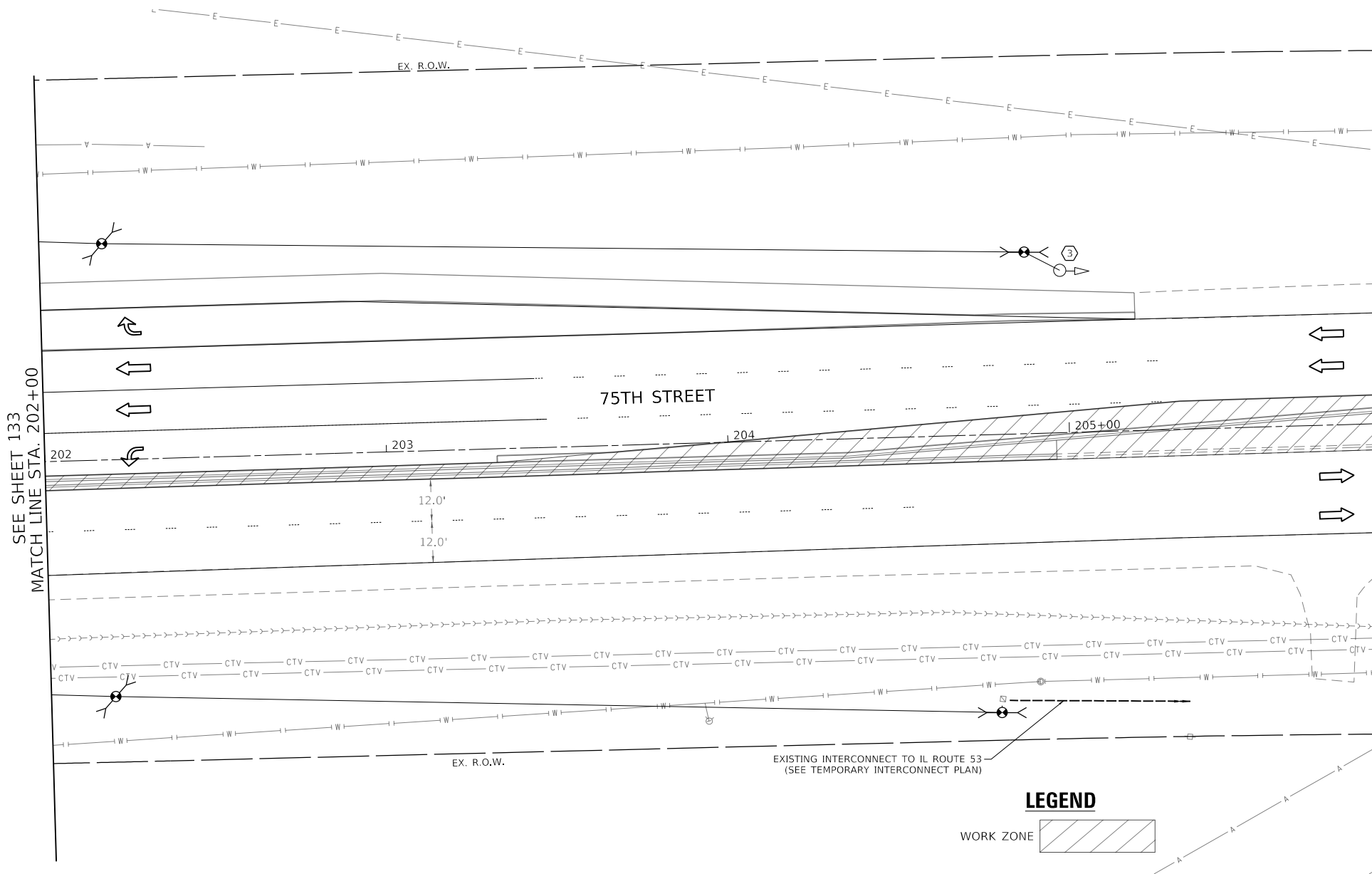
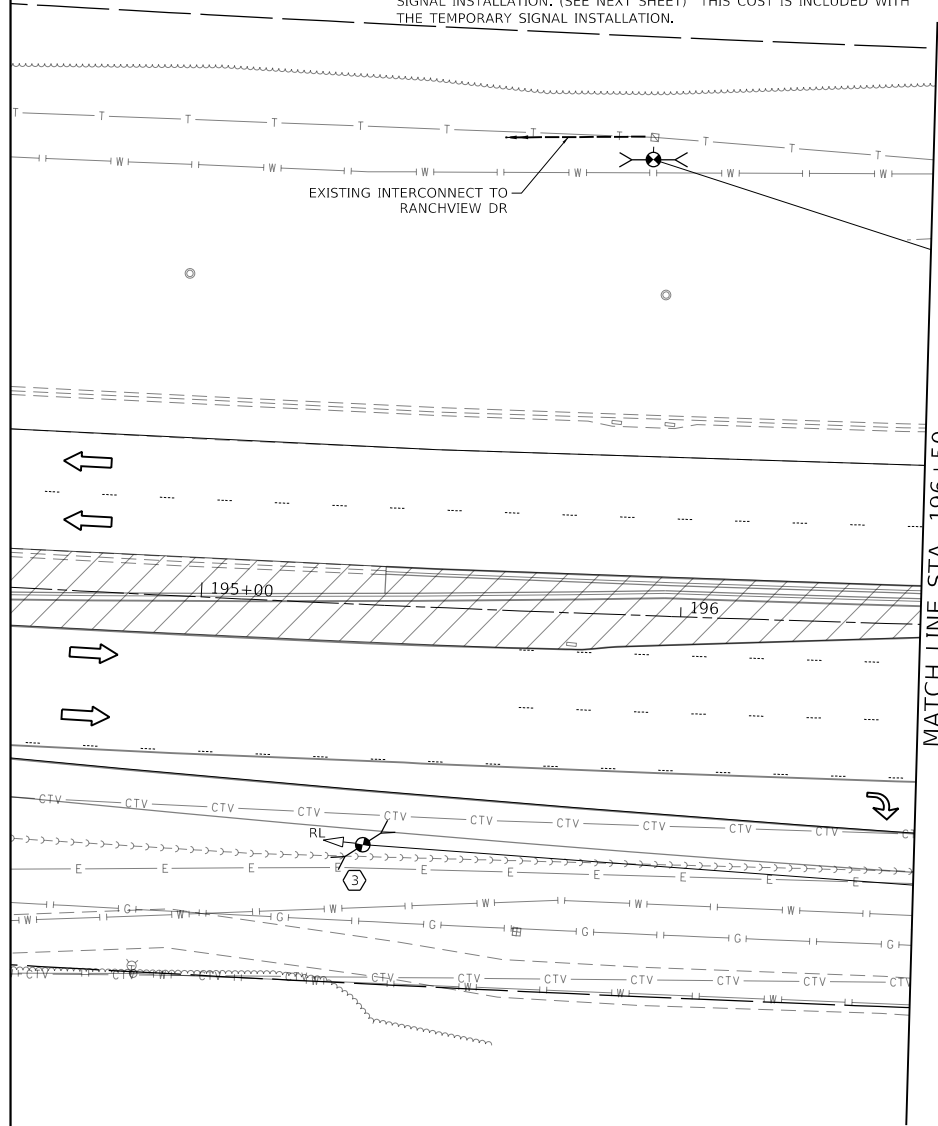
**STAGE II TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**75TH STREET AT GREENE ROAD**

SCALE: 1" = 20'    SHEET 4 OF 10 SHEETS    STA. 196+18 TO STA. 202+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	133
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.
- ② TEMPORARY EQUESTRIAN PUSHBUTTONS SHALL BE FURNISHED IN ADDITION TO PEDESTRIAN PUSHBUTTONS. EQUESTRIAN PUSHBUTTONS SHALL BE MOUNTED 6 FEET ABOVE GRADE OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BOTH EQUESTRIAN AND PEDESTRIAN PUSHBUTTONS THROUGHOUT CONSTRUCTION.
- ③ EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT GREENE ROAD SHALL BE INCORPORATED INTO TEMPORARY SIGNAL INSTALLATION. (SEE NEXT SHEET) THIS COST IS INCLUDED WITH THE TEMPORARY SIGNAL INSTALLATION.



**LEGEND**

WORK ZONE



MODEL: Default  
FILE: h:\mhc\18-000\Drawings\502\_CADD\_Sheets\040556-sh-ct-dgn\plan\_green\_Stage2\_02.dgn

**Bowman**  
311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-6500  
www.bowman.com

USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

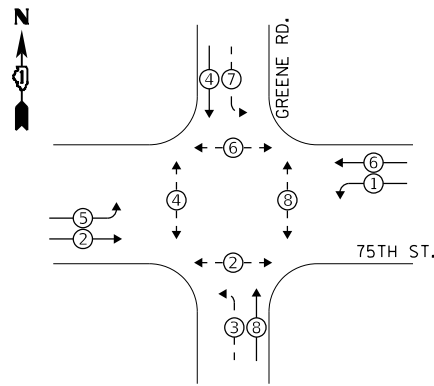
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT GREENE ROAD**

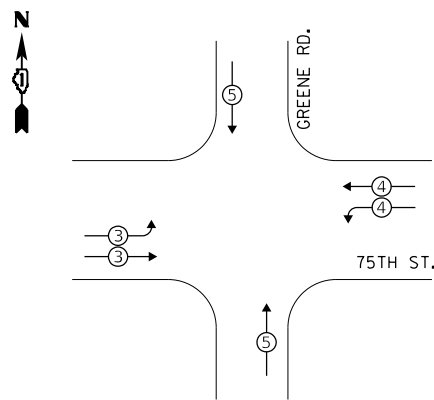
SCALE: 1" = 20'    SHEET 5    OF 10    SHEETS    STA. 202+00    TO STA. 207+42

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	134
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

**STAGE 2 CONTROLLER SEQUENCE**

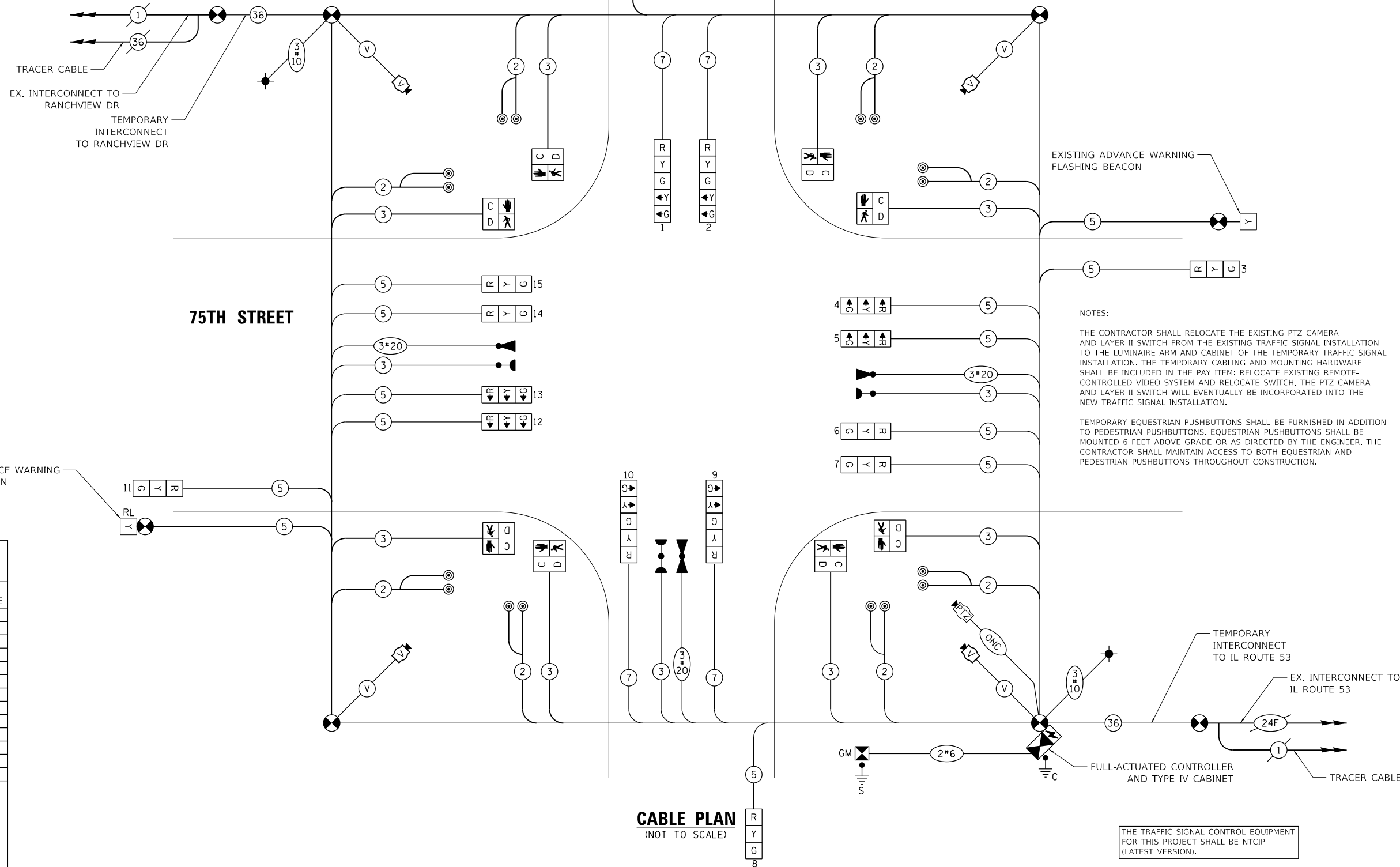


**STAGE 2 EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ⊗ PROTECTED PHASE
- ⊗ - PROTECTED/PERMITTED PHASE
- ⊗ - PEDESTRIAN PHASE
- ⊗ OL OVERLAP



**NOTES:**

THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE LUMINAIRE ARM AND CABINET OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE TEMPORARY CABLING AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE PAY ITEM; RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM AND RELOCATE SWITCH. THE PTZ CAMERA AND LAYER II SWITCH WILL EVENTUALLY BE INCORPORATED INTO THE NEW TRAFFIC SIGNAL INSTALLATION.

TEMPORARY EQUESTRIAN PUSHBUTTONS SHALL BE FURNISHED IN ADDITION TO PEDESTRIAN PUSHBUTTONS. EQUESTRIAN PUSHBUTTONS SHALL BE MOUNTED 6 FEET ABOVE GRADE OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BOTH EQUESTRIAN AND PEDESTRIAN PUSHBUTTONS THROUGHOUT CONSTRUCTION.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	6.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	165	50	165.0
TOTAL =				

ENERGY COSTS TO:  
**CITY OF NAPERVILLE**  
 400 S. EAGLE STREET  
 NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
 PHONE: (630) 420-4183  
 COMPANY: NAPERVILLE ELECTRIC  
 ACCOUNT NUMBER: ---

**Bowman** 311 S. Wacker Drive, Suite 1950  
 Chicago, Illinois 60606  
 312-474-0560  
 www.bowman.com

USER NAME = kberry  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 40,0000' / in.  
 PLOT DATE = 11/3/2021

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
 AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**75TH STREET AT GREENE ROAD**

SCALE: NONE SHEET 6 OF 10 SHEETS STA. NA TO STA. NA

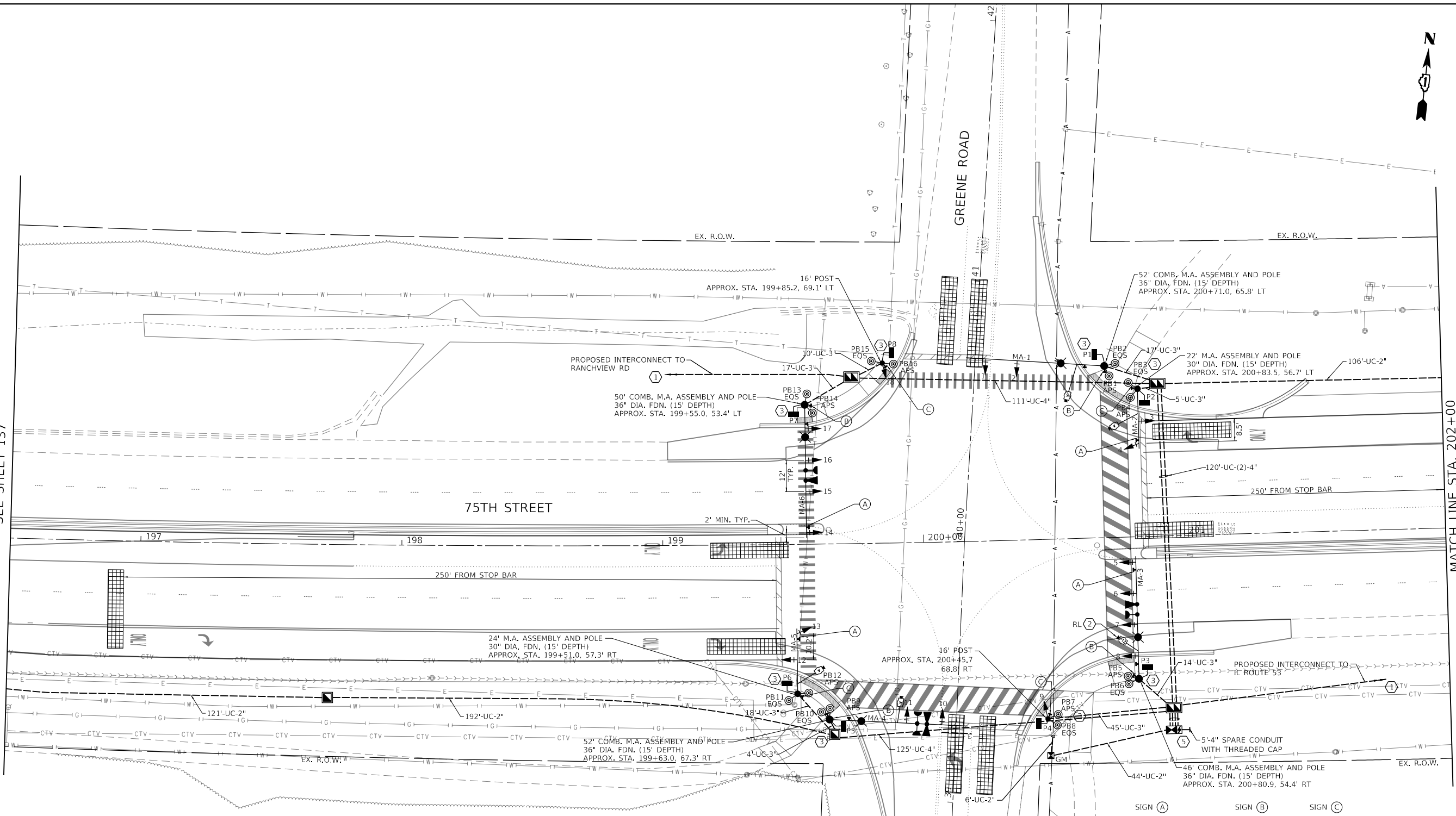
F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 135
CONTRACT NO. 61H29			ILLINOIS FED. AID PROJECT	

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 DATE: 11/3/2021 10:58:11 AM  
 USER: kberry



MATCH LINE STA. 196+50  
SEE SHEET 137

MATCH LINE STA. 202+00  
SEE SHEET 137



**CONSTRUCTION NOTES**

- 1 THE CONTRACTOR SHALL RE-INSTALL PREVIOUSLY COILED INTERCONNECT FIBER CABLES INTO THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- 2 THE PTZ SHALL BE RELOCATED TO THE LUMINAIRE ARM OF THE COMBINATION MAST ARM.
- 3 EACH TRAFFIC SIGNAL POST AND MAST ARM SHALL FEATURE TWO PUSHBUTTONS. ONE SHALL BE MOUNTED AT THE STANDARD HEIGHT FOR PEDESTRIANS. THE OTHER SHALL BE MOUNTED 6 FEET ABOVE THE FINISHED GRADE OF THE SIDEWALK OR PATH FOR EQUESTRIANS, OR AS DIRECTED BY THE ENGINEER.
- 4 EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT GREENE ROAD SHALL BE INCORPORATED INTO NEW SIGNAL INSTALLATION. (SEE NEXT SHEET)
- 5 EXISTING LAYER II SWITCH SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

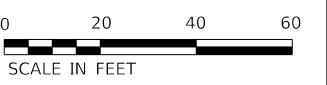
SIGN (A)      SIGN (B)      SIGN (C)

R10-5  
30" X 36"  
4 - REQUIRED

R10-3e (L)  
9" X 15"  
4 - REQUIRED

R10-3e (R)  
9" X 15"  
4 - REQUIRED

NOTE: SIGNS A, B, AND C ARE INCLUDED IN THE COST OF THE APS PAY ITEM (X8760200).



USER NAME = mtomaszewski	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/24/2021	CHECKED -	REVISED -
	DATE -	REVISED -

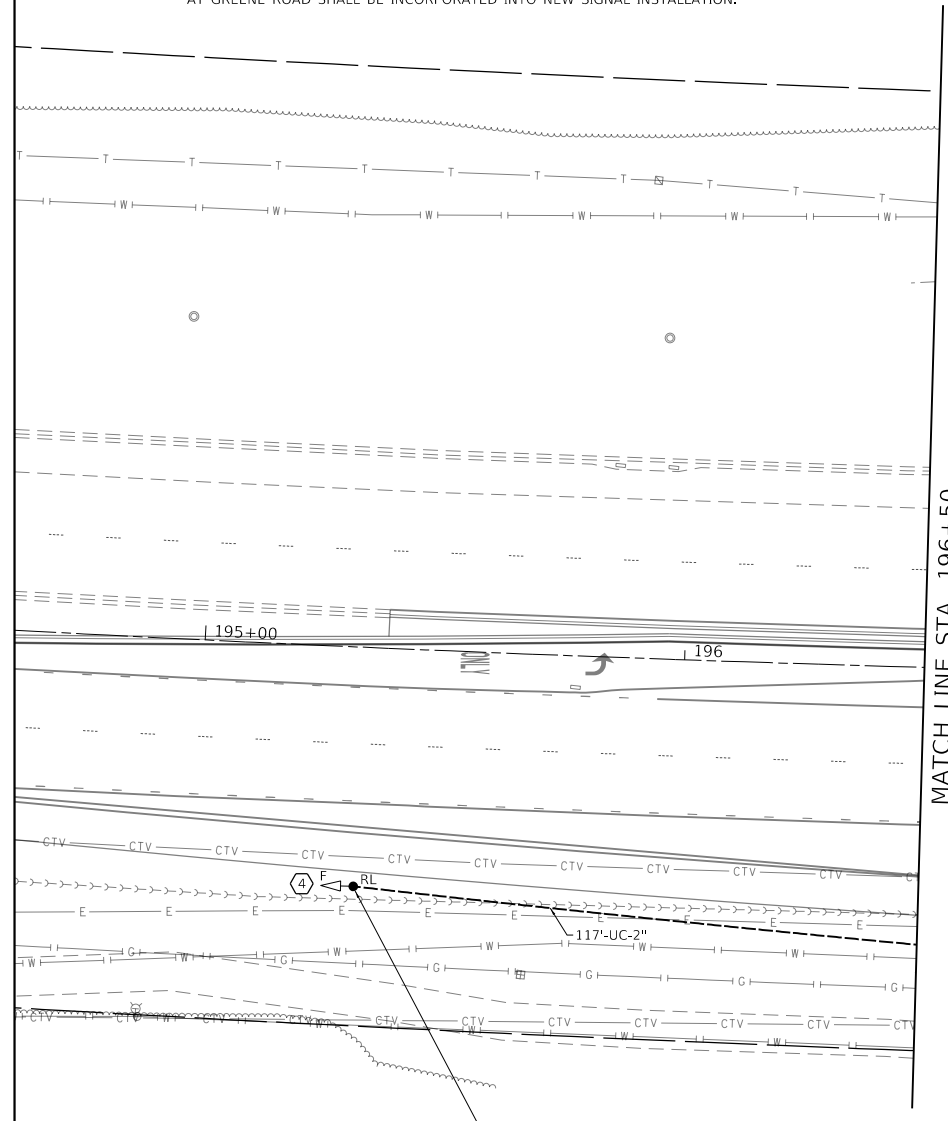
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL INSTALLATION PLAN</b>			
<b>75TH STREET AT GREENE ROAD</b>			
SCALE: 1" = 20'	SHEET 7	OF 10 SHEETS	STA. 196+18 TO STA. 202+00

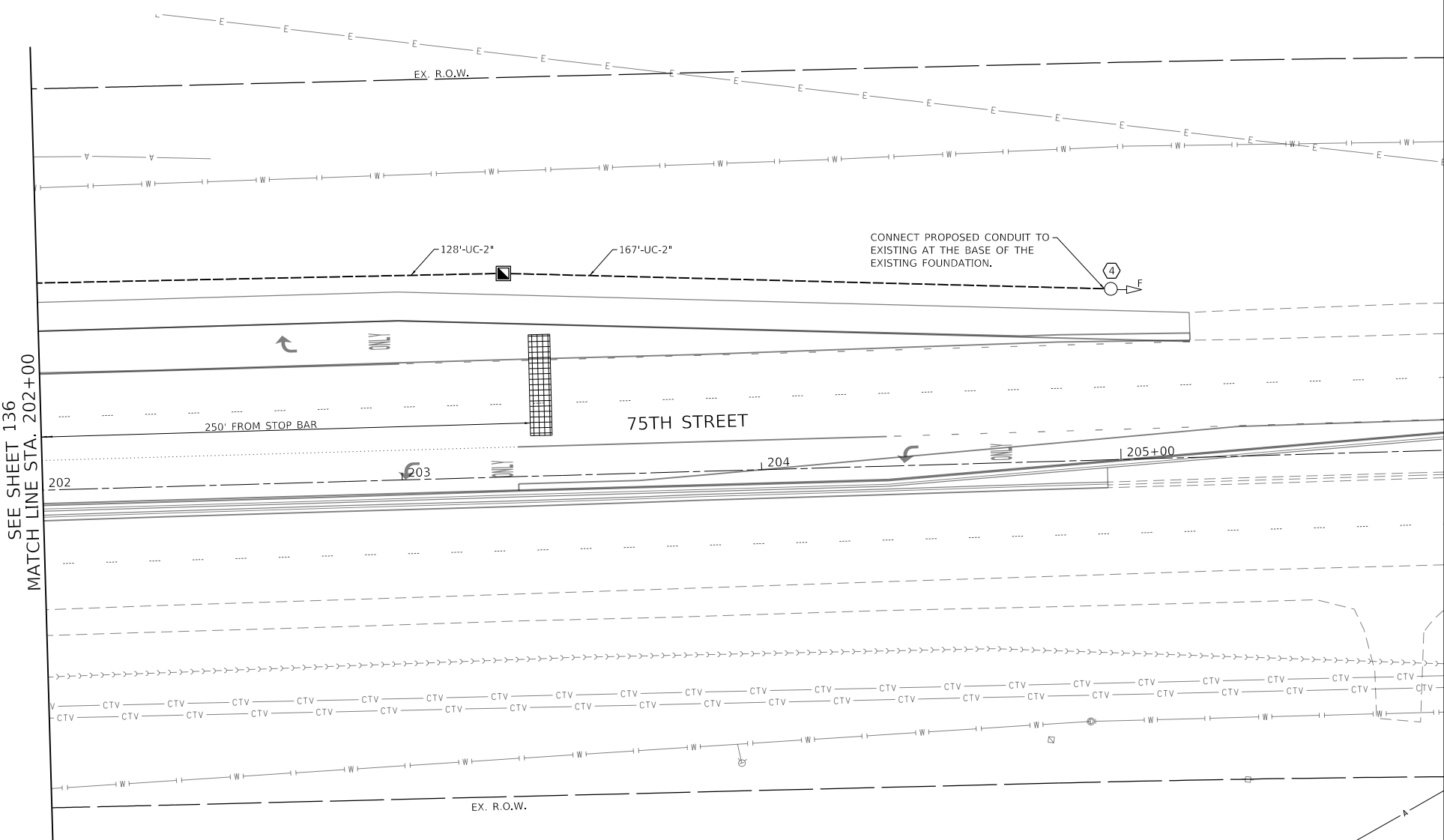
F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 136
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL RE-INSTALL PREVIOUSLY COILED INTERCONNECT FIBER CABLES INTO THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- ② THE PTZ SHALL BE RELOCATED TO THE LUMINAIRE ARM OF THE COMBINATION MAST ARM.
- ③ EACH TRAFFIC SIGNAL POST AND MAST ARM SHALL FEATURE TWO PUSHBUTTONS. ONE SHALL BE MOUNTED AT THE STANDARD HEIGHT FOR PEDESTRIANS. THE OTHER SHALL BE MOUNTED 6 FEET ABOVE THE FINISHED GRADE OF THE SIDEWALK OR PATH FOR EQUESTRIANS, OR AS DIRECTED BY THE ENGINEER.
- ④ EXISTING ADVANCED WARNING FLASHERS ON EAST AND WEST LEGS OF 75TH STREET AT GREENE ROAD SHALL BE INCORPORATED INTO NEW SIGNAL INSTALLATION.



MATCH LINE STA. 196+50  
SEE SHEET 136



SEE SHEET 136  
MATCH LINE STA. 202+00



MODEL: Default  
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Date: 11/3/2021 10:50:00 AM  
User: kberry



USER NAME = kberry	DESIGNED -	REVISED -
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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

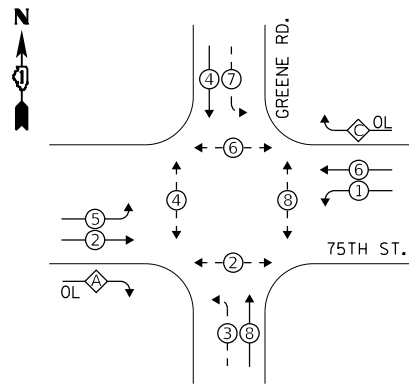
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT GREENE ROAD**

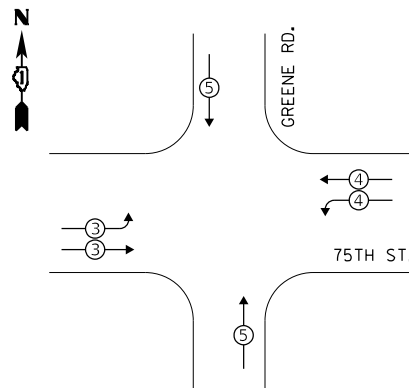
SCALE: 1" = 20'    SHEET 8    OF 10    SHEETS    STA. 202+00    TO STA. 207+42

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	137
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

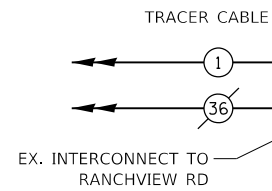
- ⊗ PROTECTED PHASE
- ⊗- PROTECTED/PERMITTED PHASE
- ⊗- PEDESTRIAN PHASE
- ⊗ OL OVERLAP

**RIGHT TURN OVERLAP**

**PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

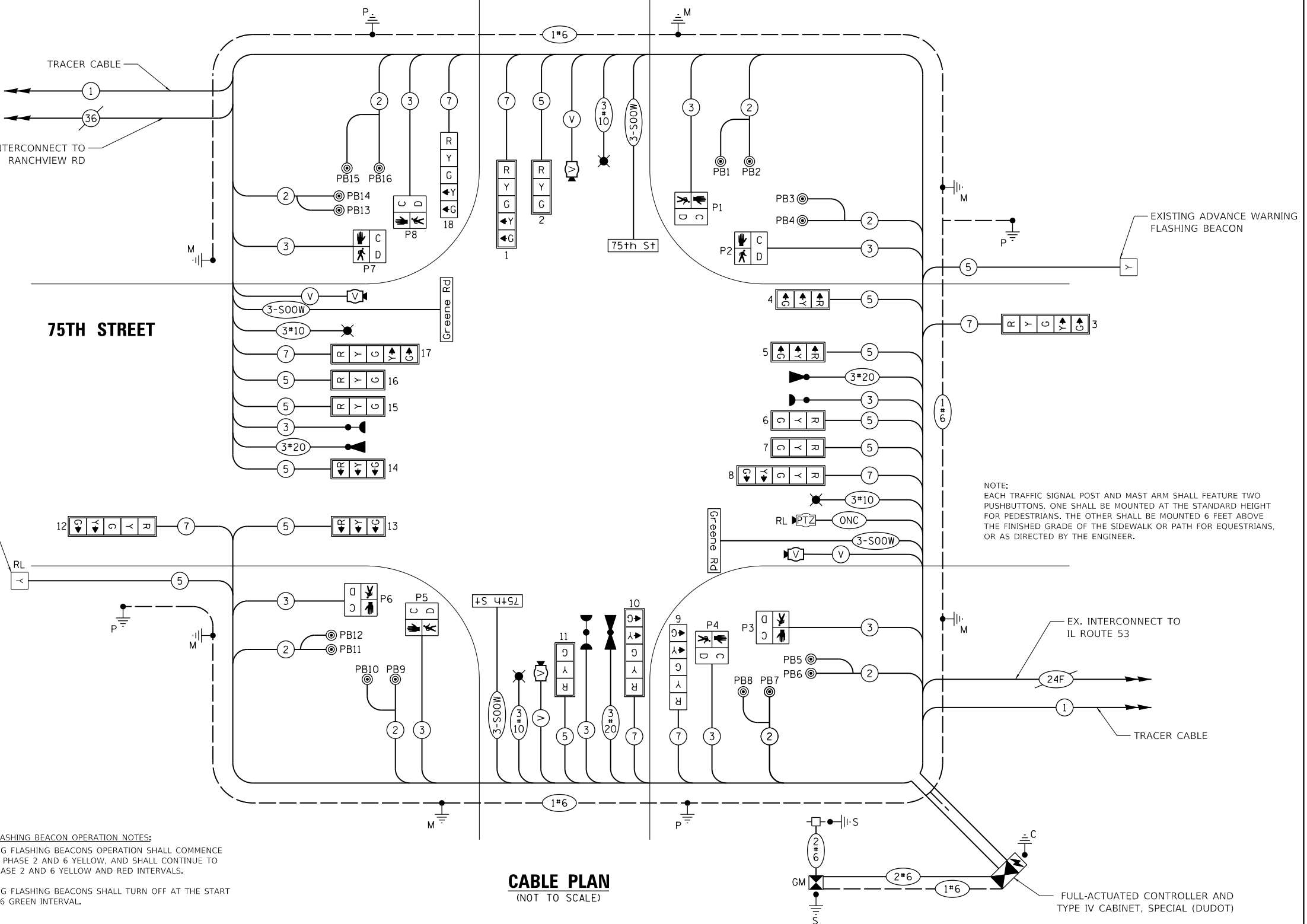
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



**75TH STREET**

**GREENE ROAD**

EXISTING ADVANCE WARNING FLASHING BEACON



NOTE: EACH TRAFFIC SIGNAL POST AND MAST ARM SHALL FEATURE TWO PUSHBUTTONS. ONE SHALL BE MOUNTED AT THE STANDARD HEIGHT FOR PEDESTRIANS. THE OTHER SHALL BE MOUNTED 6 FEET ABOVE THE FINISHED GRADE OF THE SIDEWALK OR PATH FOR EQUESTRIANS, OR AS DIRECTED BY THE ENGINEER.

**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	4	150	100	600.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	2	20	50	20.0
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	4	165	50	330.0
<b>TOTAL =</b>				<b>1669.6</b>

ENERGY COSTS TO:  
CITY OF NAPERVILLE  
400 S. EAGLE STREET  
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: RON RITTER  
PHONE: (630) 420-4183  
COMPANY: NAPERVILLE ELECTRIC  
ACCOUNT NUMBER:

**ADVANCE WARNING FLASHING BEACON OPERATION NOTES:**  
THE ADVANCE WARNING FLASHING BEACONS OPERATION SHALL COMMENCE AT THE START OF THE PHASE 2 AND 6 YELLOW, AND SHALL CONTINUE TO FLASH DURING THE PHASE 2 AND 6 YELLOW AND RED INTERVALS.  
THE ADVANCE WARNING FLASHING BEACONS SHALL TURN OFF AT THE START OF THE PHASE 2 AND 6 GREEN INTERVAL.

TS SHT NO. 14



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AT GREENE ROAD

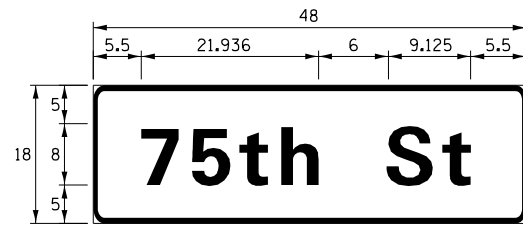
SCALE: NONE SHEET 9 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	138
			CONTRACT NO. 61H29	
			ILLINOIS FED. AID PROJECT	

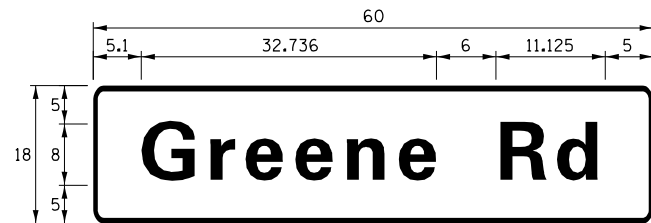


**LED ILLUMINATED STREET NAME SIGN**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

**NOTES:**

SIGNS SHALL BE FURNISHED AS DOUBLE-SIDED.

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	881
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	224
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	522
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	964
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,441
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,188
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,431
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,708
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	64
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,654
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	66
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	897
RELOCATE SWITCH	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
OUTDOOR RATED NETWORK CABLE	FOOT	97
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LUMINAIRE, LED, SPECIAL	EACH	4
RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	2
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	845
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16
RELOCATE EXISTING SIGNAL HEAD AND POST	EACH	1
VEHICLE DETECTION SYSTEM, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO. 15

MODEL: Defn.dwg  
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS  
AND SCHEDULE OF QUANTITIES  
75TH STREET AT GREENE ROAD**

SCALE: NONE SHEET 10 OF 10 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 139
		CONTRACT NO. 61H29		
		ILLINOIS FED. AID PROJECT		



**CONSTRUCTION NOTES**

① THE CONTRACTOR SHALL DISCONNECT THE FIBER OPTIC CABLE FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET AND COIL IT INTO THE INTERCONNECT HANDHOLE. THE CONTRACTOR SHALL SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM; TEMPORARY TRAFFIC SIGNAL INSTALLATION.



MATCH LINE A  
SEE BELOW



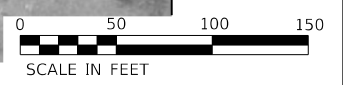
SEE ABOVE  
MATCH LINE A

MATCH LINE B  
SEE BELOW



SEE ABOVE  
MATCH LINE B

MATCH LINE C  
SEE SHEET 141



MODEL: Default  
FILE NAME: W8500\_Drawing0502\_CADD\_Sheets\040556-sh-interconnect\_temp01.dgn



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50' SHEET 1 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	140
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES**

① THE CONTRACTOR SHALL DISCONNECT THE FIBER OPTIC CABLE FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET AND COIL IT INTO THE INTERCONNECT HANDHOLE. THE CONTRACTOR SHALL SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

SEE SHEET 140  
MATCH LINE C



MATCH LINE D  
SEE BELOW



SEE ABOVE  
MATCH LINE D

MATCH LINE E  
SEE BELOW



SEE ABOVE  
MATCH LINE E

MATCH LINE F  
SEE SHEET 142



MODEL: Default  
FILE NAME: W8500\_Drawing502\_CADD\_Sheets\040556-sh-interconnect\_temp02.dgn



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50' SHEET 2 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	141
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



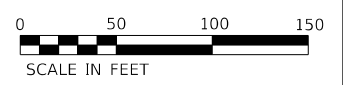


SEE SHEET 141  
MATCH LINE F

MATCH LINE G  
SEE BELOW



SEE ABOVE  
MATCH LINE G



MODEL: Default  
FILE NAME: W8500\_Drawing51502\_CADD\_Sheets\040556-sh-interconnect\_temp03.dgn



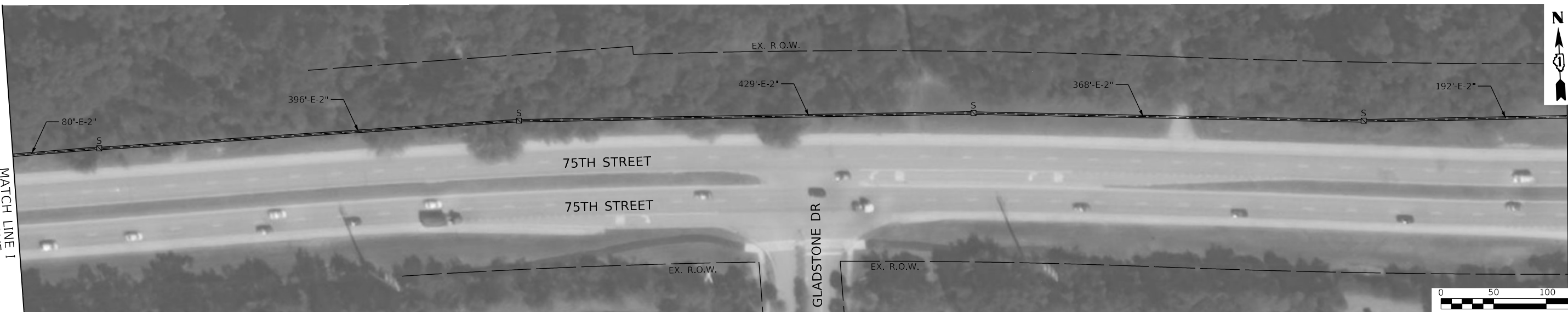
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DRAWN -	REVISED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50' SHEET 3 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	142
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

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

**TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50'    SHEET 4    OF 12    SHEETS    STA. NA    TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-002333-04-5P	DUPAGE	215	143
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION NOTES**

① THE CONTRACTOR SHALL DISCONNECT THE FIBER OPTIC CABLE FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET AND COIL IT INTO THE INTERCONNECT HANDHOLE. THE CONTRACTOR SHALL SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

SEE SHEET 143  
MATCH LINE J

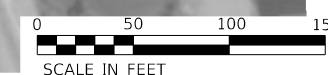


MATCH LINE K  
SEE BELOW

SEE ABOVE  
MATCH LINE K



MATCH LINE L  
SEE BELOW



MODEL: Default  
FILE NAME: W8500\_Drawing0502\_CADD\_Sheets\040556-sh-interconnect\_temp05.dgn



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50' SHEET 5 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	144
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	



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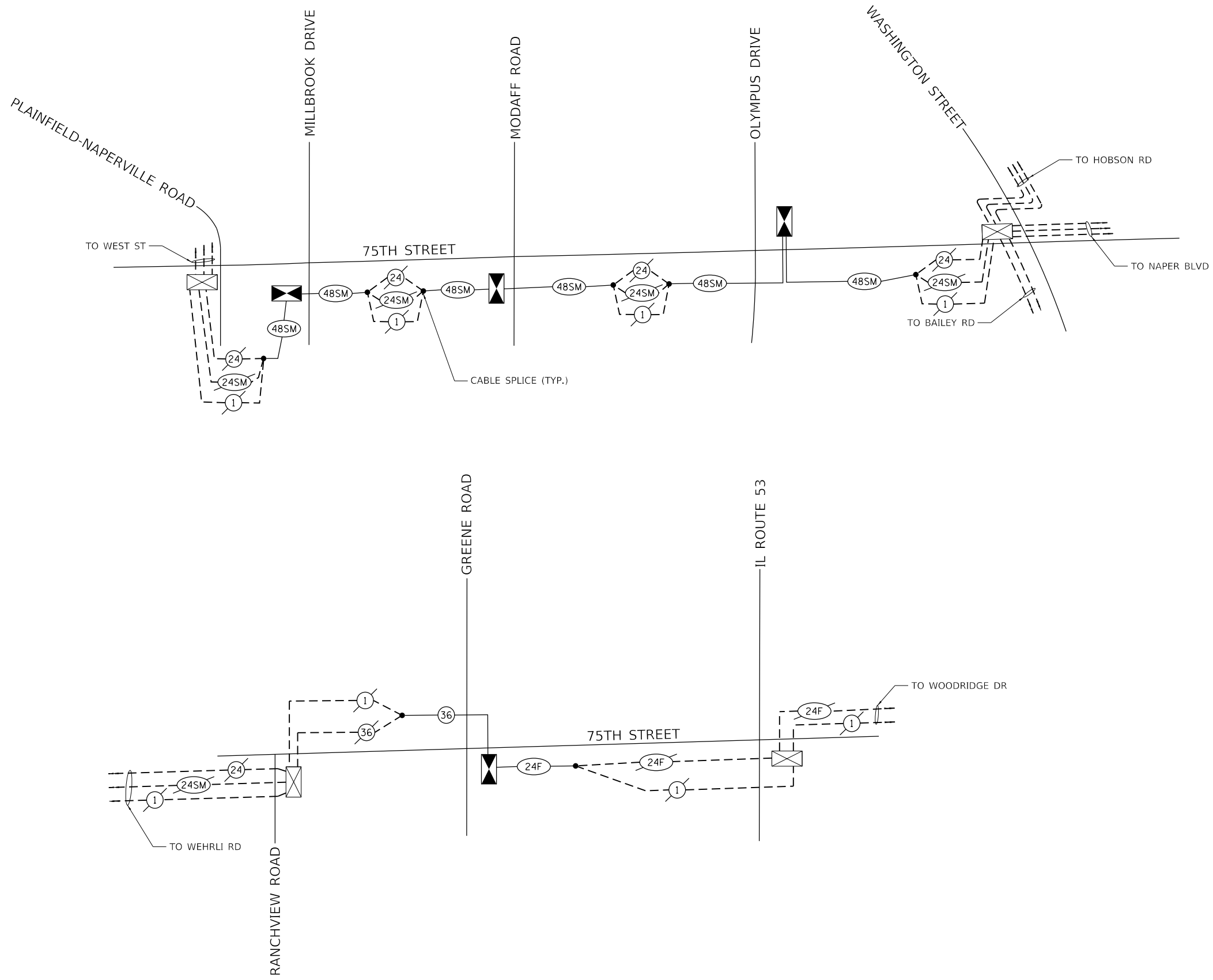
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PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC

SCALE: NONE SHEET 6 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	145
			CONTRACT NO. 61H29	
		ILLINOIS	FED. AID PROJECT	

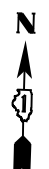




**CONSTRUCTION NOTES**  
 ① THE CONTRACTOR SHALL INSTALL THE PREVIOUSLY COILED FIBER OPTIC CABLES IN THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CABINET. NEW TRACER CABLE SHALL BE INSTALLED FROM THE PROPOSED TRAFFIC SIGNAL CABINET TO THE TEMPORARY CABLE SPLICE POINT ON EACH INTERCONNECT RUN. THE NEW TRACER CABLE WILL THEN BE SPLICED TO THE EXISTING TRACER CABLE OR AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISION FOR CABLE SPLICE SPECIAL FOR MORE DETAILS.



MATCH LINE A  
SEE BELOW



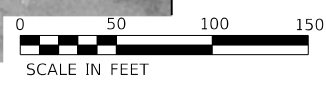
SEE ABOVE  
MATCH LINE A

MATCH LINE B  
SEE BELOW



SEE ABOVE  
MATCH LINE B

MATCH LINE C  
SEE SHEET 147



MODEL: Default  
FILE NAME: W8500\_Drawing0502\_CADD\_Sheets\040556-sh-interconnect01.dwg



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**

SCALE: 1" = 50'    SHEET 7 OF 12 SHEETS    STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	146
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION NOTES**

1 THE CONTRACTOR SHALL INSTALL THE PREVIOUSLY COILED FIBER OPTIC CABLES IN THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CABINET. NEW TRACER CABLE SHALL BE INSTALLED FROM THE PROPOSED TRAFFIC SIGNAL CABINET TO THE TEMPORARY CABLE SPLICE POINT ON EACH INTERCONNECT RUN. THE NEW TRACER CABLE WILL THEN BE SPLICED TO THE EXISTING TRACER CABLE OR AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISION FOR CABLE SPLICE SPECIAL FOR MORE DETAILS.

SEE SHEET 146  
MATCH LINE C



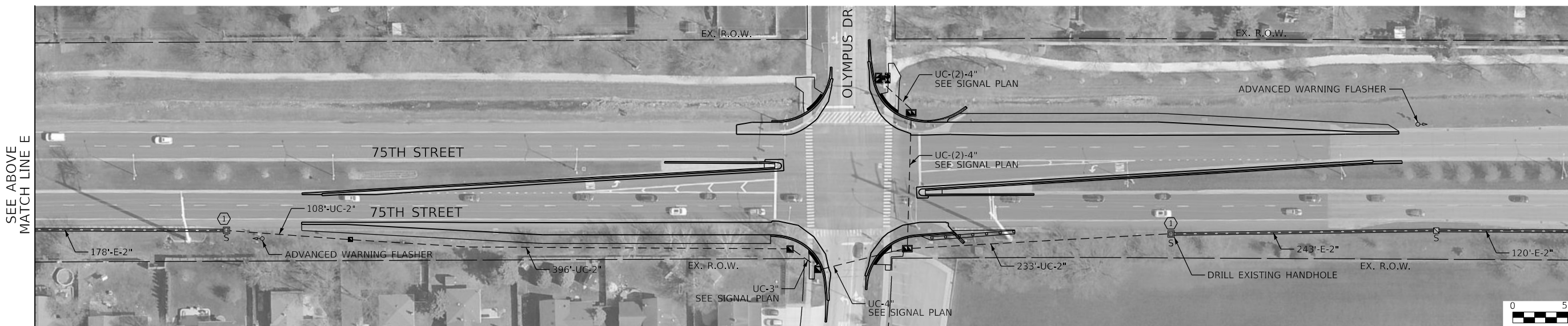
MATCH LINE D  
SEE BELOW



SEE ABOVE  
MATCH LINE D



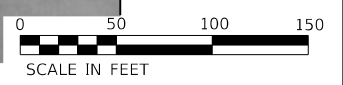
MATCH LINE E  
SEE BELOW



SEE ABOVE  
MATCH LINE E



MATCH LINE F  
SEE SHEET 148



MODEL: Default  
FILE NAME: W8500\_Drawing502\_CADD\_Sheets\040556-sh-interconnect02.dgn



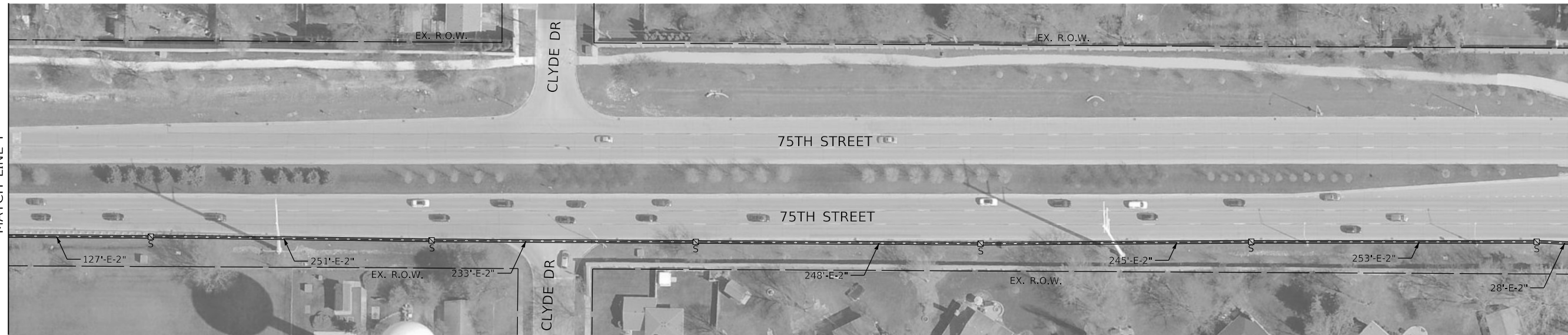
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PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**

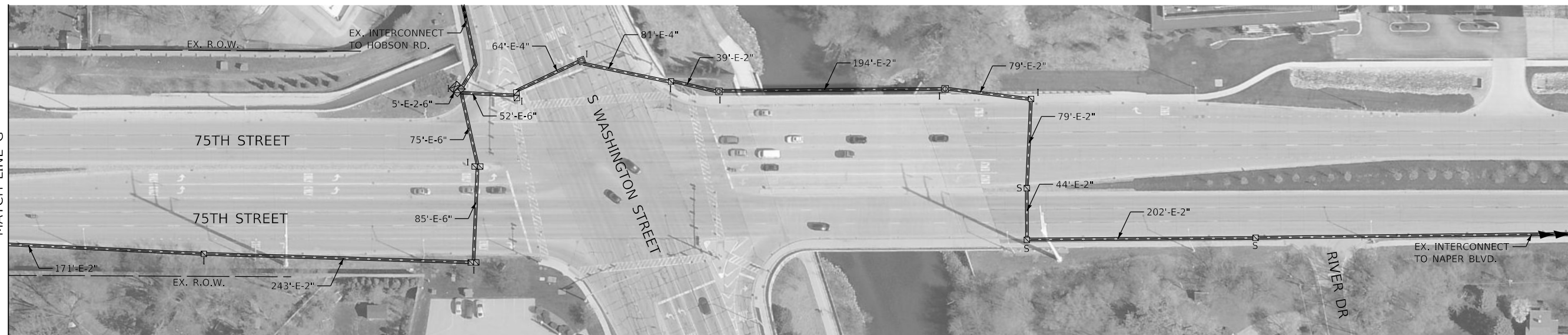
SCALE: 1" = 50' SHEET 8 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	147
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



SEE SHEET 147  
MATCH LINE F

MATCH LINE G  
SEE BELOW



SEE ABOVE  
MATCH LINE G



MODEL: Default  
FILE NAME: W8500\_Drawing51502\_CADD\_Sheets\040556-sh-interconnect03.dgn



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50' SHEET 9 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	148
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				



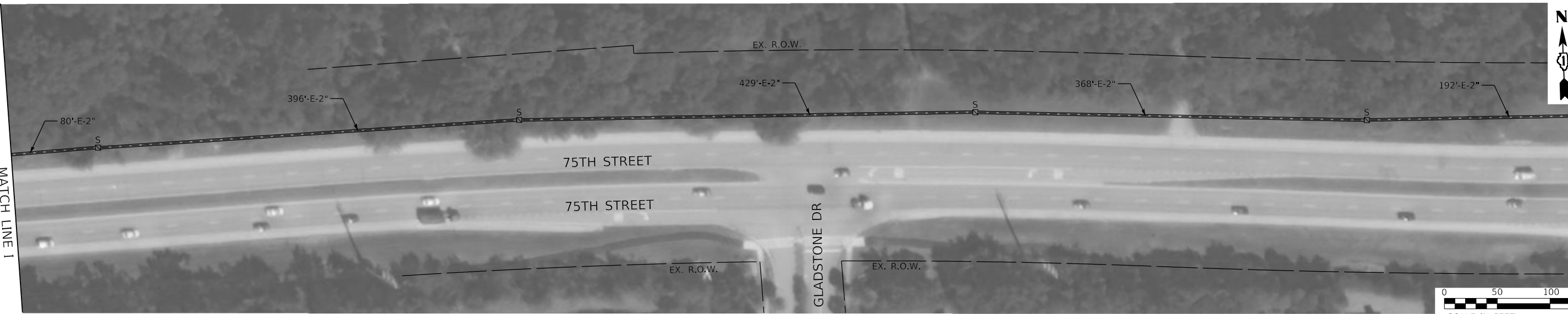


MATCH LINE H  
SEE BELOW



SEE ABOVE  
MATCH LINE H

MATCH LINE I  
SEE BELOW



MATCH LINE I  
SEE ABOVE

MATCH LINE J  
SEE SHEET 149



MODEL: Default  
FILE NAME: W8500\_Drawing502\_CADD\_Sheets\0056-sh-interconnect04.dwg

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Chicago, Illinois 60606  
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USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**

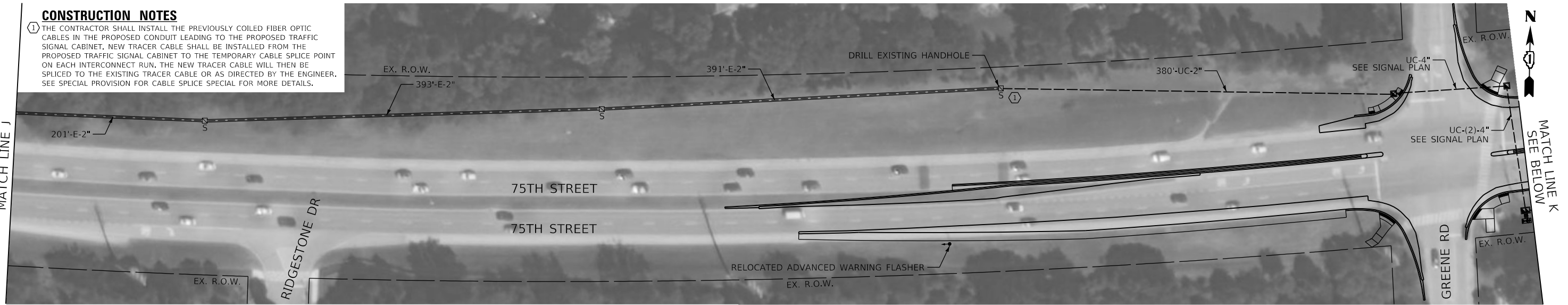
SCALE: 1" = 50' SHEET 9 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	149
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES**

1 THE CONTRACTOR SHALL INSTALL THE PREVIOUSLY COILED FIBER OPTIC CABLES IN THE PROPOSED CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL CABINET. NEW TRACER CABLE SHALL BE INSTALLED FROM THE PROPOSED TRAFFIC SIGNAL CABINET TO THE TEMPORARY CABLE SPLICE POINT ON EACH INTERCONNECT RUN. THE NEW TRACER CABLE WILL THEN BE SPLICED TO THE EXISTING TRACER CABLE OR AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISION FOR CABLE SPLICE SPECIAL FOR MORE DETAILS.

SEE SHEET 149  
MATCH LINE J



SEE ABOVE  
MATCH LINE K



MODEL: Default  
FILE NAME: W8500\_Drawing502\_CADD\_Sheets\0056-sh-interconnect05.dwg



USER NAME = kberry	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

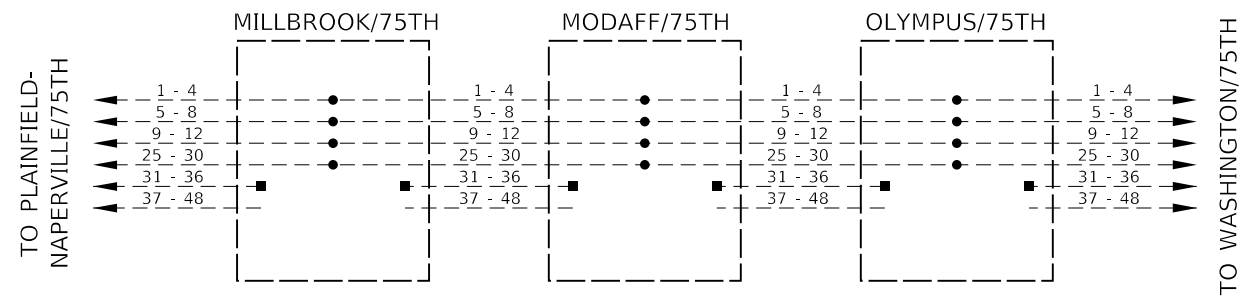
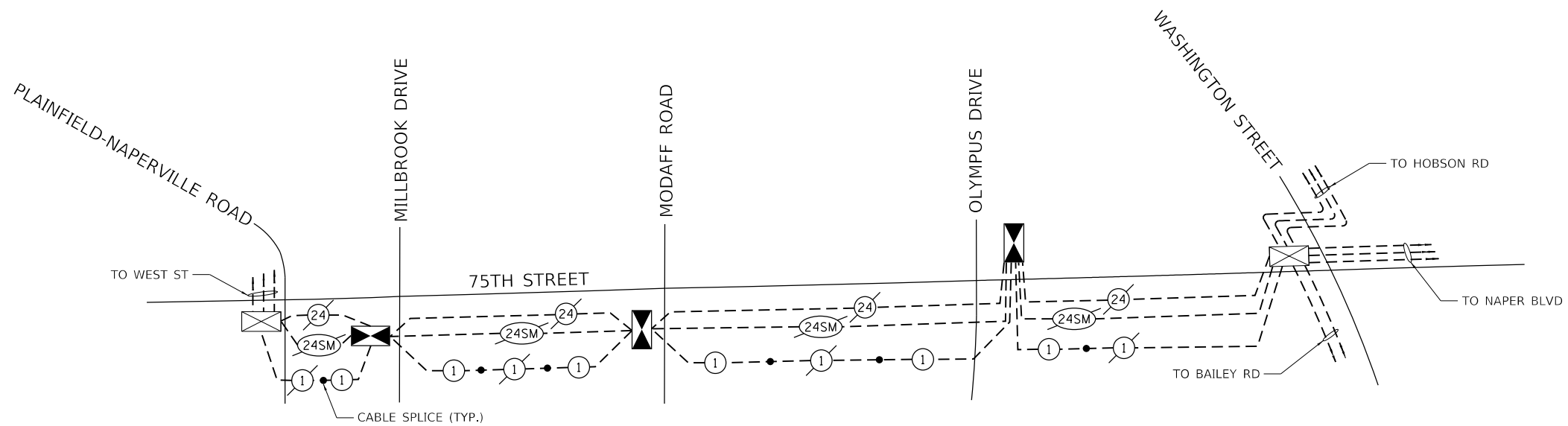
**INTERCONNECT PLAN**

SCALE: 1" = 50' SHEET 11 OF 12 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	150
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

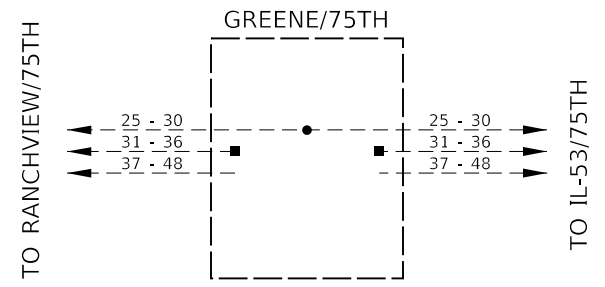
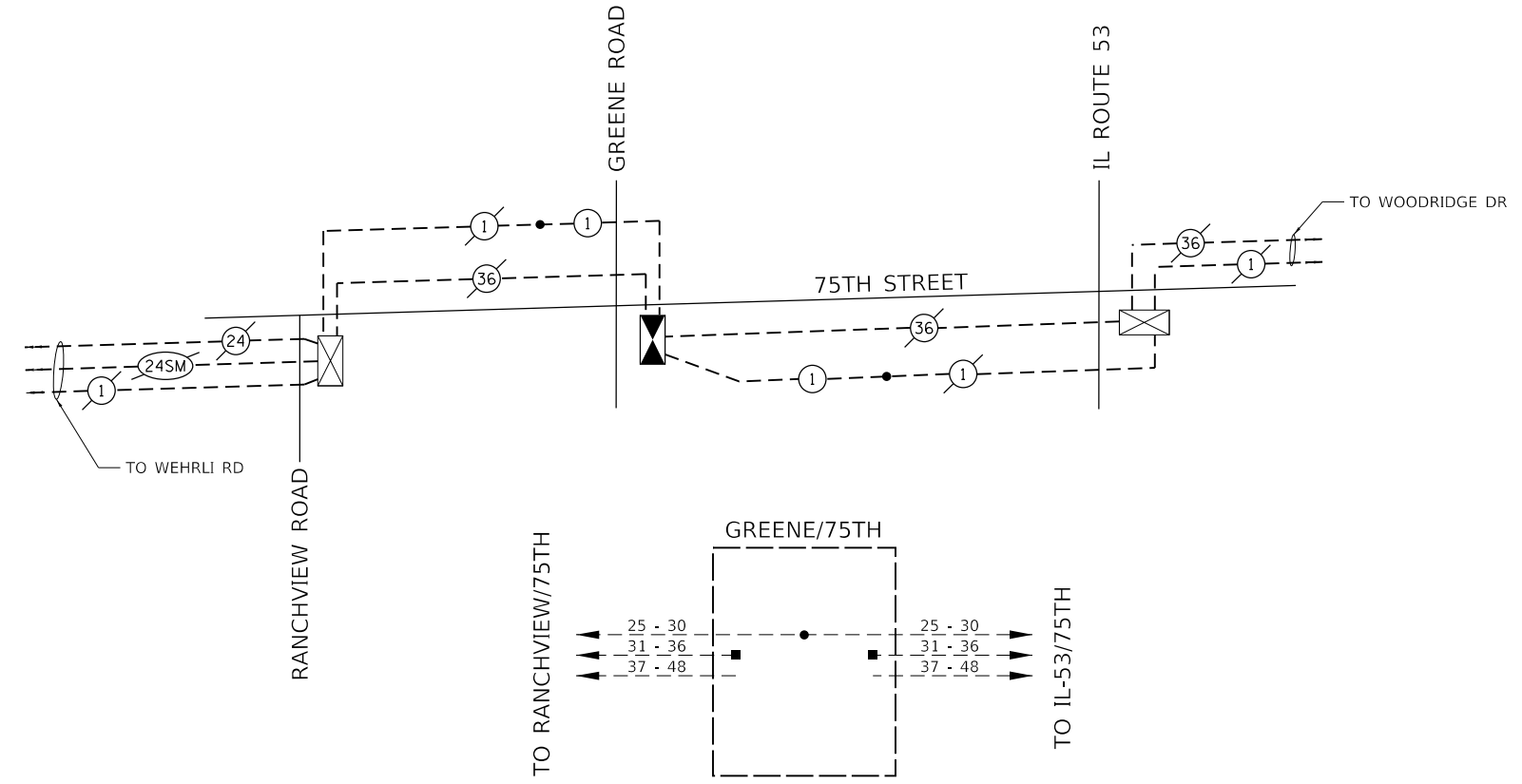
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	151
CONTRACT NO. 61H29				
ILLINOIS		FED. AID PROJECT		



**FIBER LAYOUT SCHEDULE**

INTERSECTION/LOCATION	X1400217	X1400219
	TERMINATE FIBER IN CABINET	SPLICE FIBER IN CABINET
	EACH	EACH
75TH STREET AND MILLBROOK DRIVE	12	18
75TH STREET AND MODAFF ROAD	12	18
75TH STREET AND OLYMPUS DRIVE	12	18
75TH STREET AND GREENE ROAD	6	12



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,079
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	4
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,796
DRILL EXISTING HANDHOLE	EACH	8
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6,558
TERMINATE FIBER IN CABINET	EACH	42
SPLICE FIBER IN CABINET	EACH	66
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	4

**NOTES:**

ITEM "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION" TO BE USED AT INTERSECTION OF 75TH ST AND PLAINFIELD-NAPERVILLE ROAD.

ITEM "RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2" TO BE USED AT INTERSECTIONS OF 75TH ST AND MILLBROOK DR, MODAFF RD, OLYMPUS DR, AND GREENE RD.








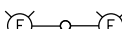






**GENERAL NOTES:**

1. DUE TO WIDENING OF ROADWAY AT INTERSECTION OF 75TH STREET AND OLYMPUS DRIVE, A CERTAIN PORTION OF EXISTING UNIT DUCT, RIGID GALVANIZED STEEL CONDUITS UNDER 75TH STREET HANDHOLES SHALL BE REPLACED WITH PROPOSED ITEMS. NEW WORK ALSO INCLUDES REMOVAL OF TWO EXISTING LIGHTING UNIT WITH TRAFFIC SIGNAL ATTACHED.
2. PRIOR TO THE INSTALLATION OF PROPOSED UNIT DUCT, CONDUITS, HANDHOLES AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING LIGHTING CONDUITS, CABLES AND UNDER GROUND UTILITIES.
3. ALL NEW UNIT DUCT, CONDUITS, HANDHOLES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
4. UNIT DUCT AND CONDUIT SHALL BE INSTALLED IN THE FIELD TO AVOID CONFLICT WITH DRAIN AND OTHER UTILITIES. HOWEVER THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL GROUND UTILITIES.
5. TRENCHES FOR LIGHTING RACEWAY SHALL HAVE A MINIMUM DEPTH OF 30".
6. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.

**BILL OF MATERIALS**

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	226
81400100	HANDHOLE	EACH	2
81603037	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE) , 1 1/4" DIA. POLYETHYLENE	FOOT	939
81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	982
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3
89502380	REMOVE EXISTING HANDHOLE	EACH	1
X0322141	REMOVE TEMPORARY WOOD POLE	EACH	3
X8300005	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, SPECIAL	EACH	3
X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1

**LEGEND**

-  RR EXISTING LIGHTING CONTROLLER TO BE REMOVED AND RELOCATED
-  UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND (XLP-TYPE USE) 1 1/4" DIA. POLYETHYLENE
-  UNDERGROUND CONDUIT, GALVANIZED STEEL
-  PROPOSED LIGHTING HANDHOLE
-  EXISTING HANDHOLE TO BE REMOVED
-  EXISTING HANDHOLE TO REMAIN
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING TWIN MAST ARM LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING CABLE TO BE REMOVED
-  EXISTING CABLE TO REMAIN
-  TEMPORARY WOOD POLE 60'
-  TEMPORARY TRAFFIC SIGNAL POLE
-  AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE

MODEL: D:\dgn\... FILE NAME: P:\projects\2019-01-17\75th St\CD\Drawings\SR1040056-ent.dgn

**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
6330 Belmont Road, Suite 4B  
Downers Grove, IL 60515

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	DRAWN - S.R.	REVISED -
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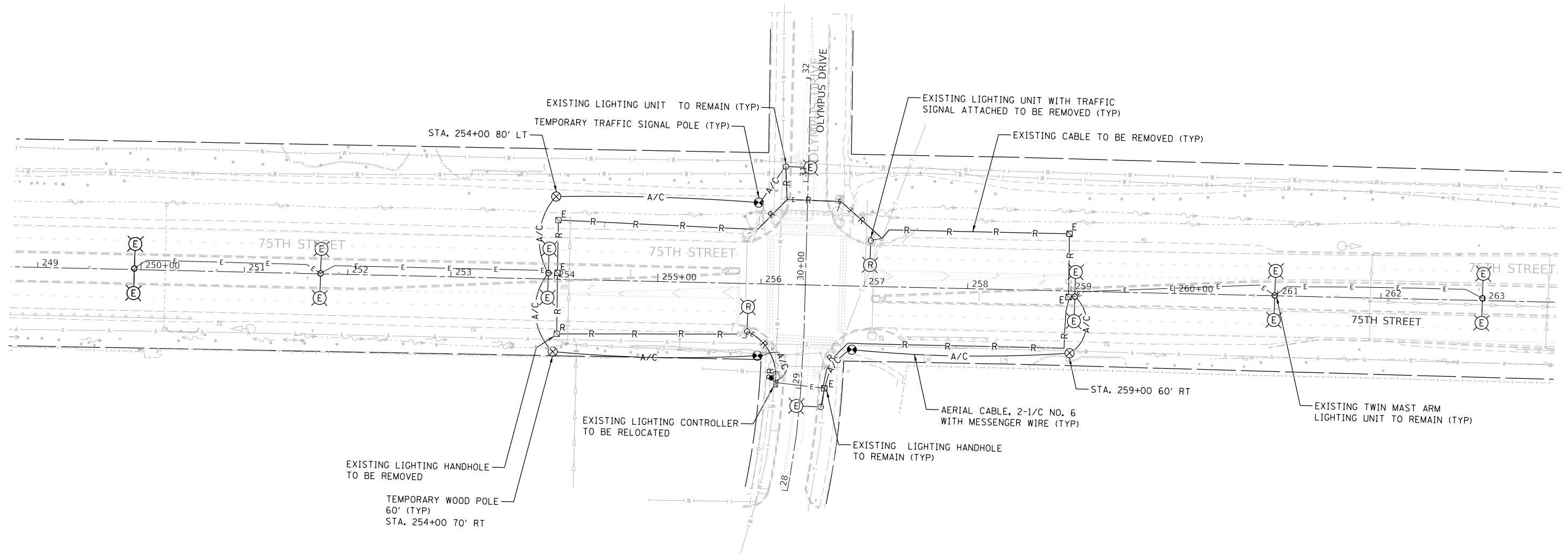
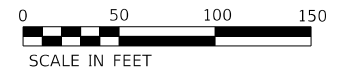
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, LEGEND AND BILL OF MATERIALS  
75TH STREET AT OLYMPUS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P		215	152
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

**LT-01**



1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. SEE TRAFFIC SIGNAL PLAN TO COORDINATE DISCONNECTING THE EXISTING TRAFFIC SIGNAL FROM THE LIGHTING UNITS TO BE REMOVED.
3. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF THE TEMPORARY WOOD POLES AND AERIAL CABLE TO ENSURE LIGHTING IS MAINTAINED DURING ALL STAGES OF CONSTRUCTION UNTIL THE CONTROLLER IS RELOCATED AND THE PROPOSED CIRCUITS ARE INSTALLED AND OPERATIONAL.
4. ABANDONED UNDERGROUND ELECTRIC CABLES SHALL BE REMOVED WITH CONDUIT AND DUCT AS PART OF THE REMOVAL OF LIGHTING UNIT PAY ITEM AS SPECIFIED IN ART. 842 OF THE STANDARD SPECIFICATIONS.

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - B.L.	REVISED -
	DRAWN - S.R.	REVISED -
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PLOT DATE = 11/3/2021	DATE - 09-23-21	REVISED -

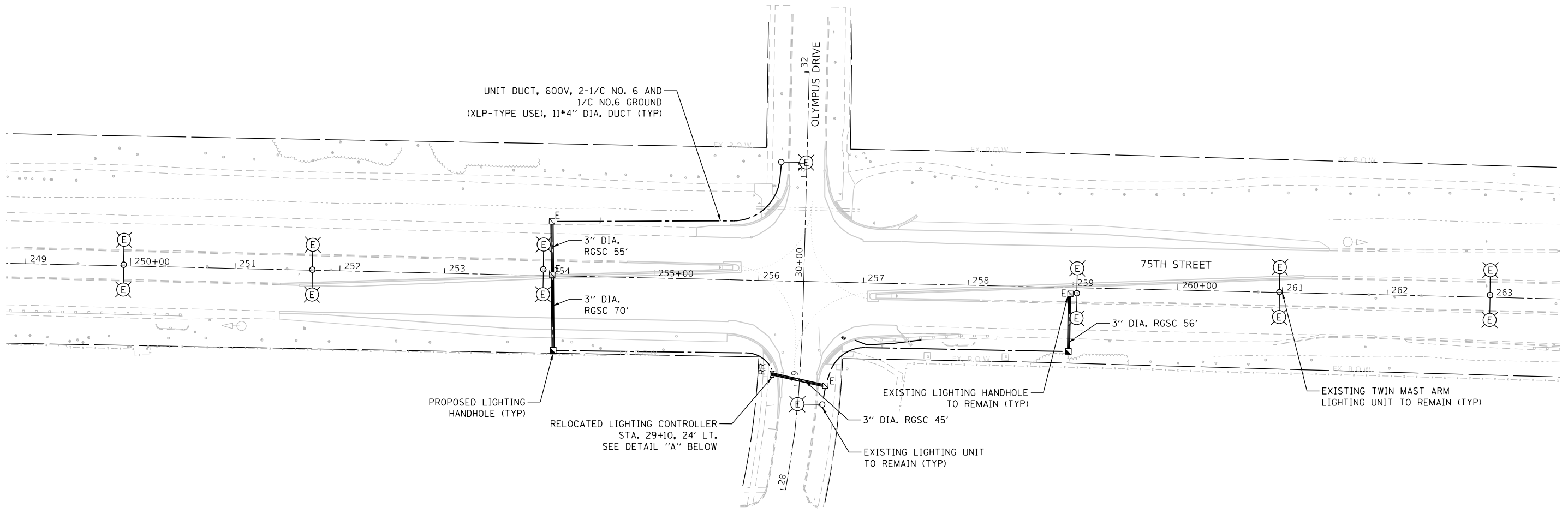
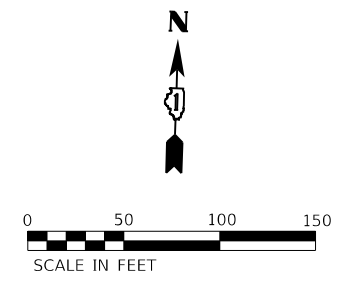
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY REMOVAL LIGHTING PLAN**  
**75TH STREET AT OLYMPUS DRIVE**

SCALE: SHEET OF SHEETS STA. 251+10 TO STA. 261+50

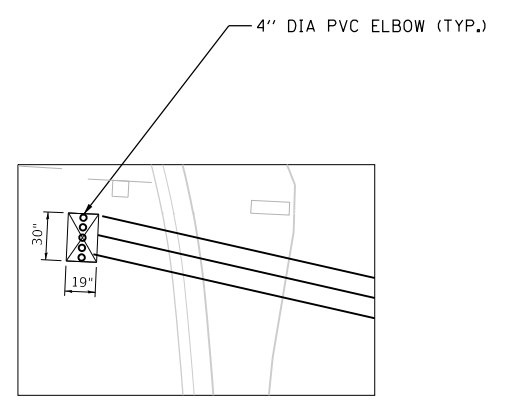
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

**LT-02**



**NOTES:**

- 1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.



**DETAIL A**

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FILE NAME: 18-00233-04-SP.dwg  
DATE: 11/3/2021

**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
6330 Belmont Road, Suite 4B  
Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - B.L.	REVISED -
	DRAWN - S.R.	REVISED -
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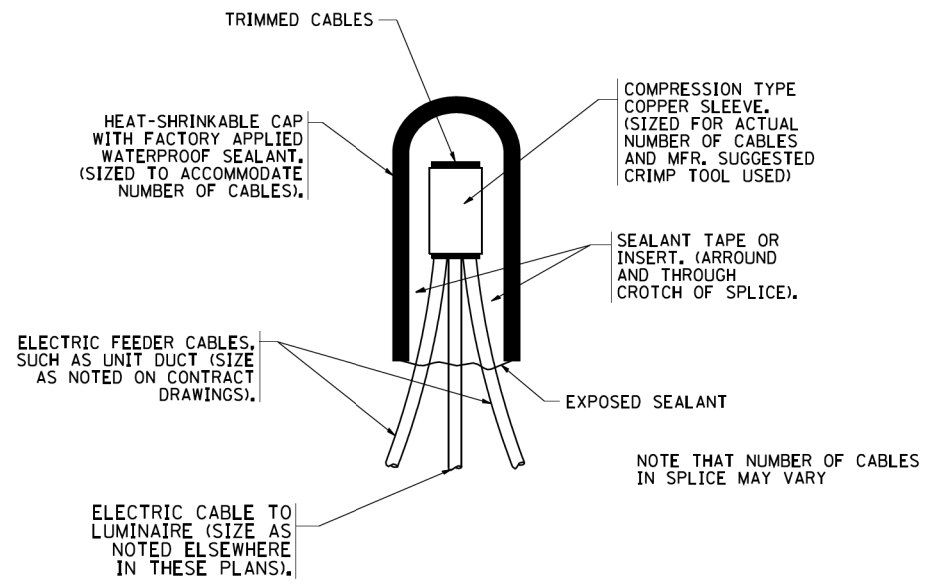
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED LIGHTING PLAN 75TH STREET AT OLYMPUS DRIVE</b>			
SCALE:	SHEET	OF	SHEETS
	251+10		TO STA. 261+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

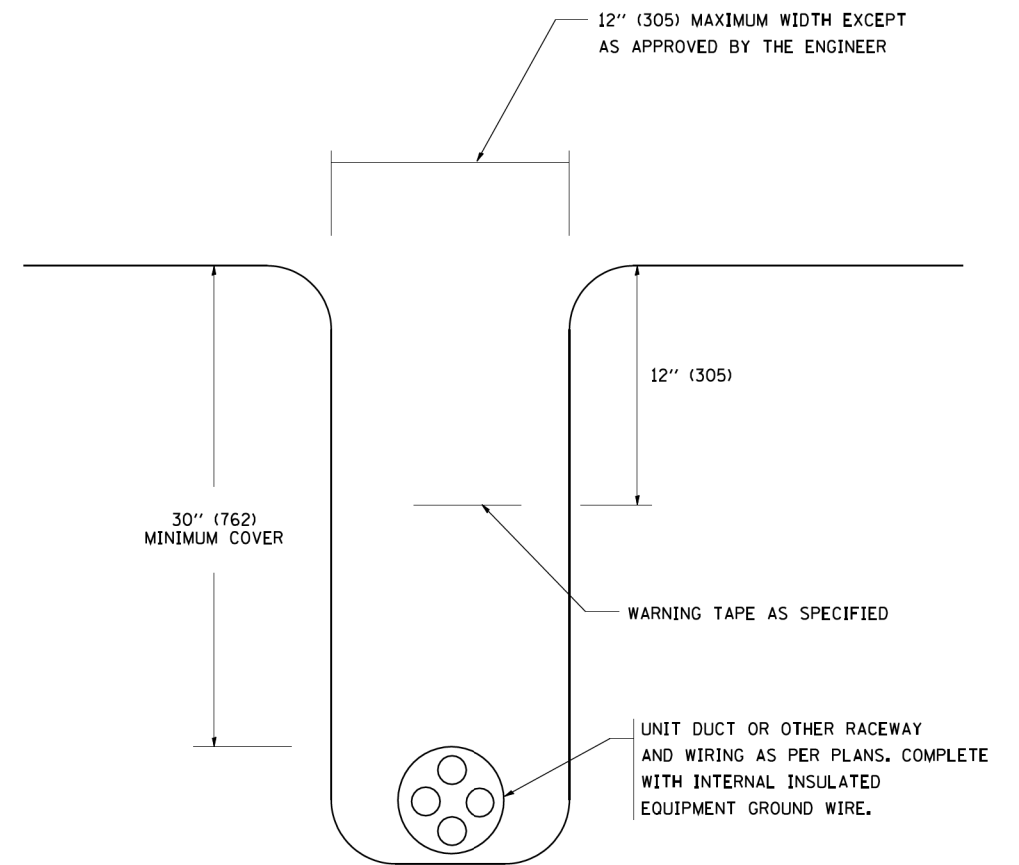
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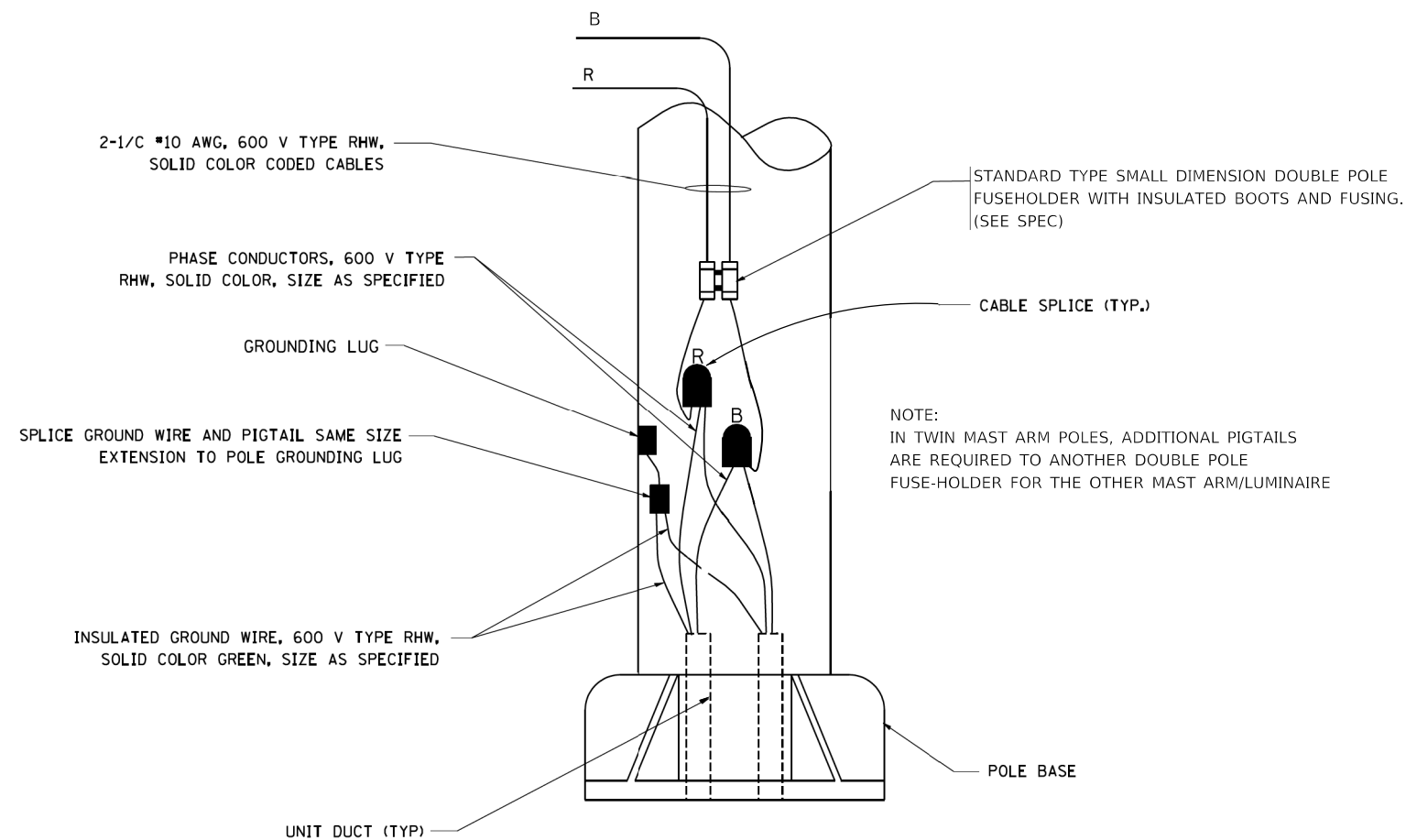
**TYPICAL SPLICE DETAIL**

N.T.S.



**TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.



**POLE WIRING DETAIL**

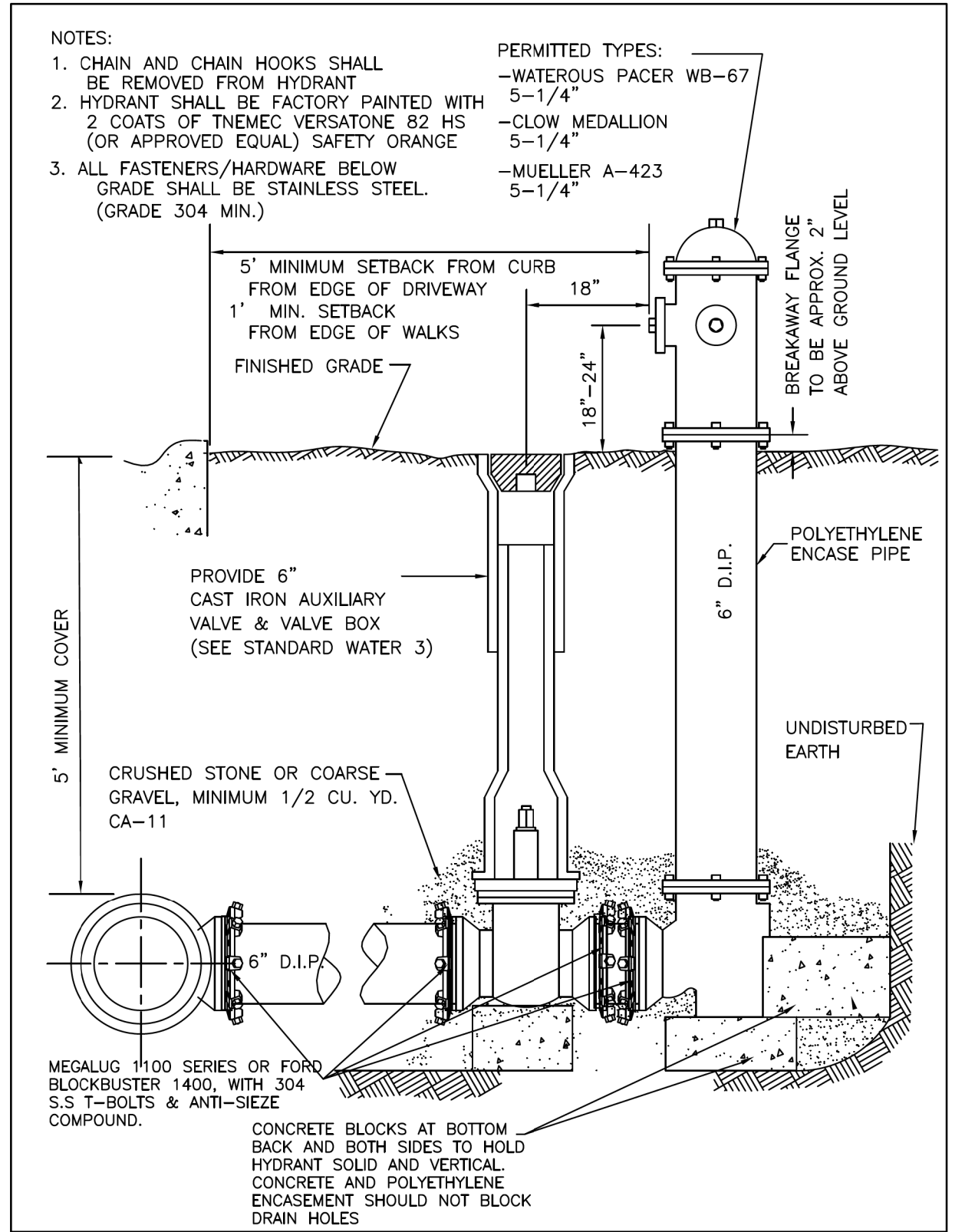
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CONTRACT NO. 61H29			ILLINOIS FED. AID PROJECT	

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 <b>City of Naperville</b> <b>STANDARD</b> <b>DETAIL</b>	<b>HYDRANT</b>		WATER 6
	REVISED: 05/15/2015	SHEET 1 OF 1	<b>490.06</b>

**Bowman**

311 S. Wacker Drive, Suite 1950  
Chicago, Illinois 60606  
312-474-0560  
www.bowman.com

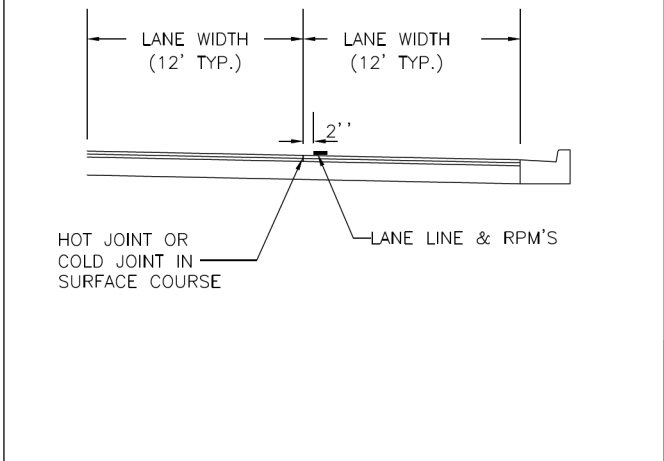
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>CITY OF NAPERVILLE STANDARD DETAILS</b>			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA. NA	TO STA. NA		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	156
CONTRACT NO. 61H29				
ILLINOIS		FED. AID PROJECT		

### PAVEMENT MARKING LOCATION



12-14-2017  
DuPage County D.O.T.

### PAVEMENT MARKINGS AND PAVEMENT MARKERS

#### MATERIALS FOR PAVEMENT MARKINGS:

LOCATION	MATERIAL
ALL MARKINGS ON BITUMINOUS PAVEMENT	THERMOPLASTIC PAVEMENT MARKINGS
ALL MARKINGS ON CONCRETE SURFACES	URETHANE PAVEMENT MARKINGS

#### INSTALLATION OF PAVEMENT MARKINGS:

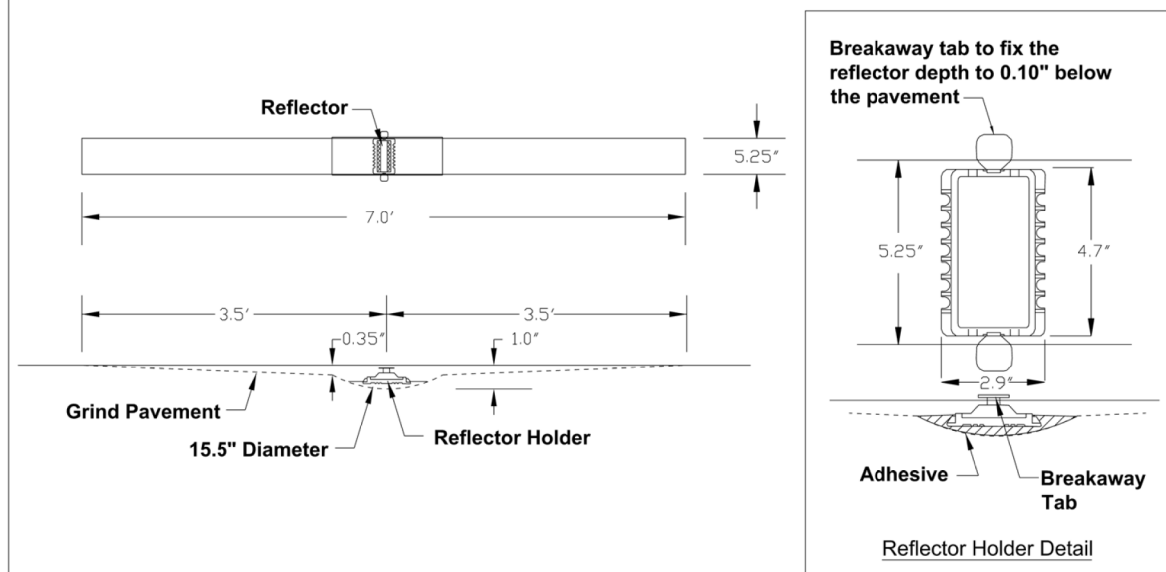
LOCATION	TYPE OF MARKING
PAINTED MEDIANS	4" DOUBLE YELLOW; 11" c-c AND 12" YELLOW @ 45°; 30' c-c
BARRIER MEDIANS	4" YELLOW
TURN BAY TAPERS ALONG THRU LANES	6" WHITE, 2' LONG, 6' SPACE (DOTTED WHITE)
START OF TURN BAYS	ARROW AND "ONLY"
END OF TURN BAYS 150'-200' LONG	ADDITIONAL ARROW 10' FROM END
TURN BAYS > 200' LONG	ADDITIONAL "ONLY"
ALL OTHER MARKINGS PER MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OF ILLINOIS.	

#### INSTALLATION OF RECESSED REFLECTIVE PAVEMENT MARKERS:

LOCATION	SPACING
DOUBLE YELLOW CENTERLINE, & SKIP-DASH WHITE LANE LINES APPROACH & DEPARTURE FROM INTERSECTIONS & CURVES* * EQUAL TO LENGTH OF TURN BAY, OR 200'	40'
ALONG CURVES OR TAPERS	40'
TANGENT SECTIONS	40'
SOLID LANE LINES (TURN BAYS)	40'
END OF PAINTED MEDIANS	3 @ 3' LATERAL
LOCATION	TYPE
DOUBLE YELLOW CENTERLINE	2-WAY YELLOW
PAINTED MEDIANS ≤ 4' WIDE	2-WAY YELLOW
PAINTED MEDIANS > 4' WIDE	1-WAY YELLOW
YELLOW LINE ALONG BARRIER MEDIANS ** EXCEPT IN SPECIAL CIRCUMSTANCES	NONE **
SKIP-DASH WHITE LANE LINES, SOLID LANE LINES (TURN BAYS)	1-WAY WHITE
2-WAY, UNDIVIDED ROADWAY	2-WAY WHITE / RED
1-WAY ROADWAY, OR DIVIDED WITH BARRIER MEDIAN	2-WAY WHITE / RED

9/1/2020  
DuPAGE COUNTY D.O.T.

### RECESSED PAVEMENT MARKER



9/1/2020  
DuPAGE COUNTY D.O.T.

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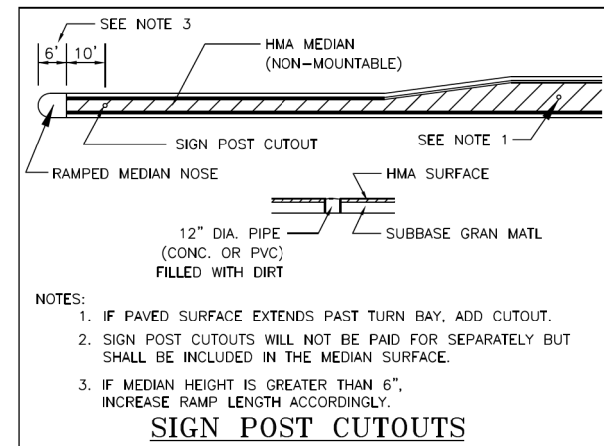
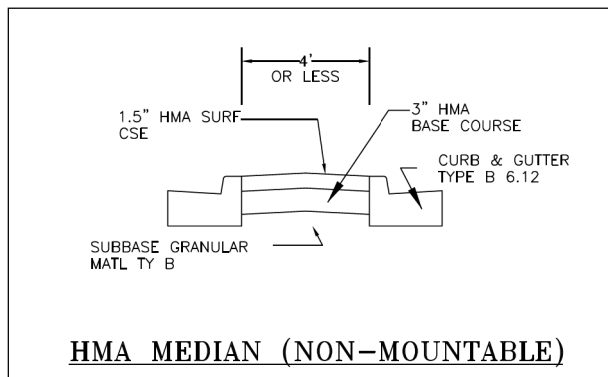
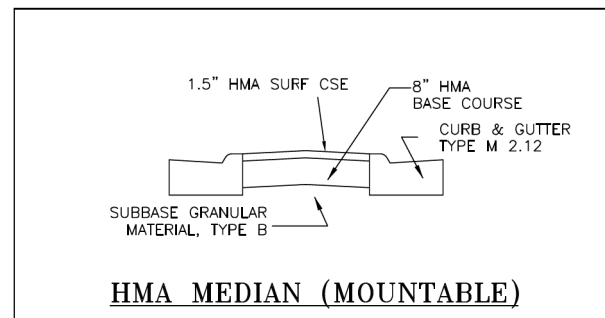
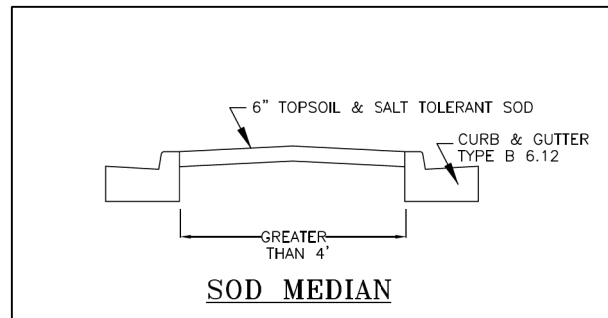
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DUDOT STANDARD DESIGN DETAILS

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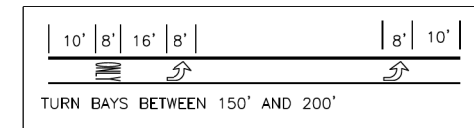
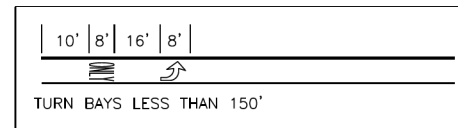
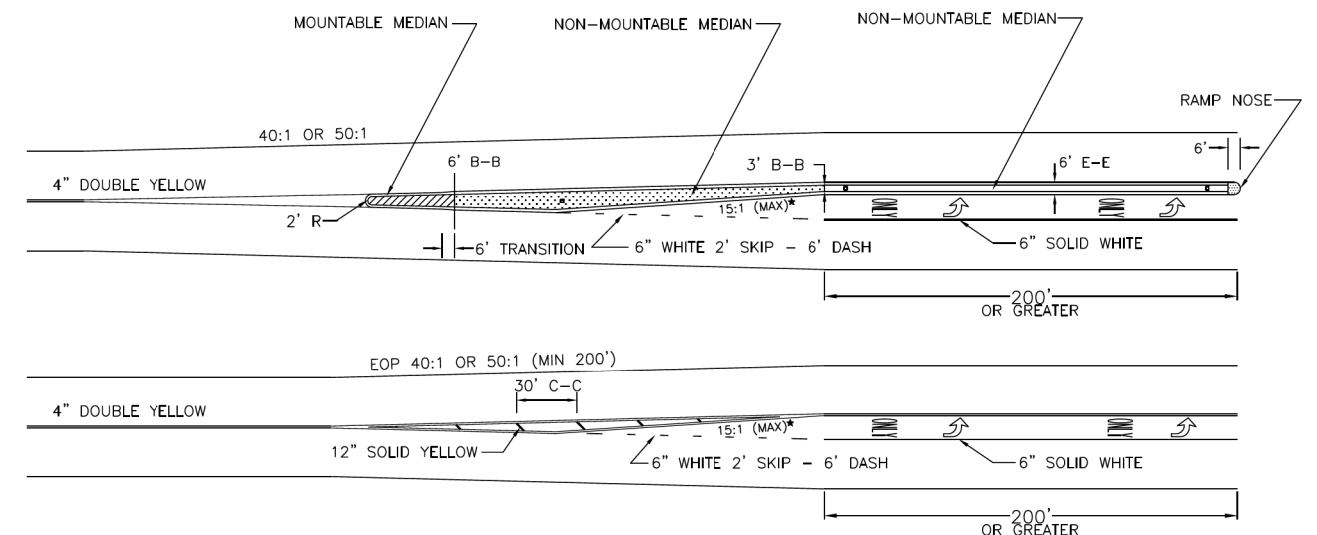
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0369	18-00233-04-5P	DUPAGE	215	157
				CONTRACT NO. 61H29
		ILLINOIS	FED. AID PROJECT	

## MEDIAN DETAILS



## TYPICAL TURN BAYS

- NOTES:
1. SEE MEDIAN DETAILS FOR MEDIAN DEPTH DESIGN, CURB TYPE, AND SIGN POST CUTOUTS.
- \*ADJUST FOR CURVE SECTION (12:1/10:1)



1/30/2018  
DuPAGE COUNTY D.O.T.

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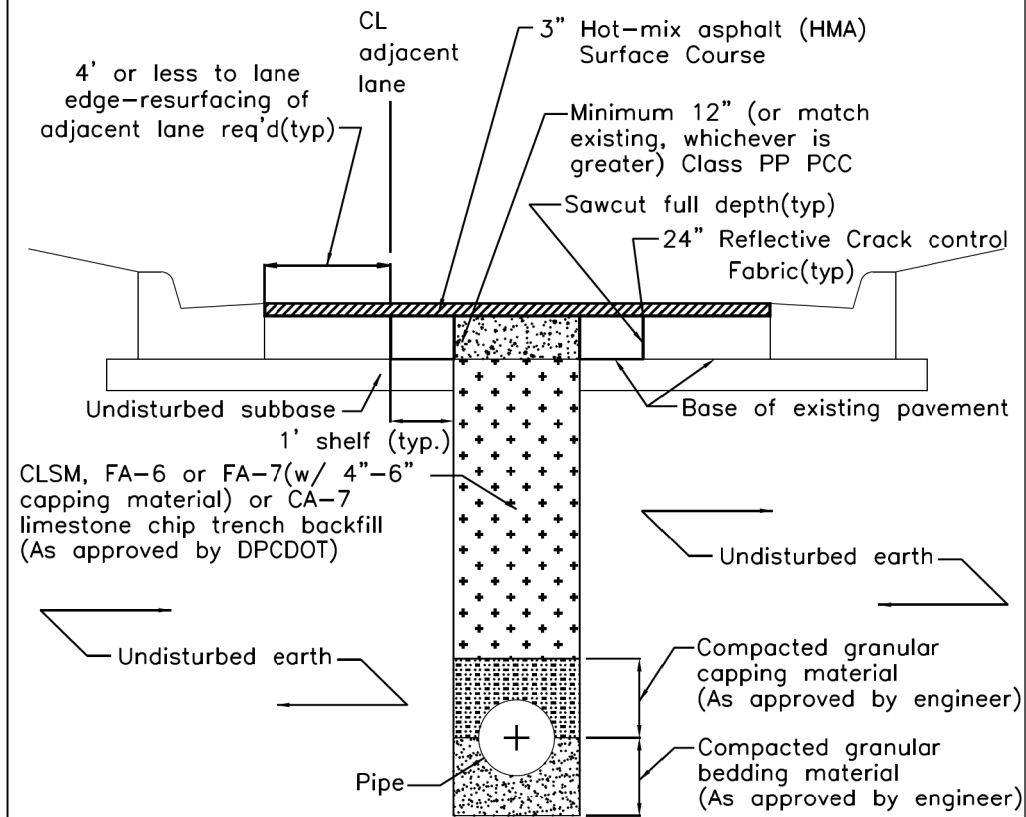
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DUDOT STANDARD DESIGN DETAILS

SCALE: NONE SHEET 2 OF 3 SHEETS STA. NA TO STA. NA

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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

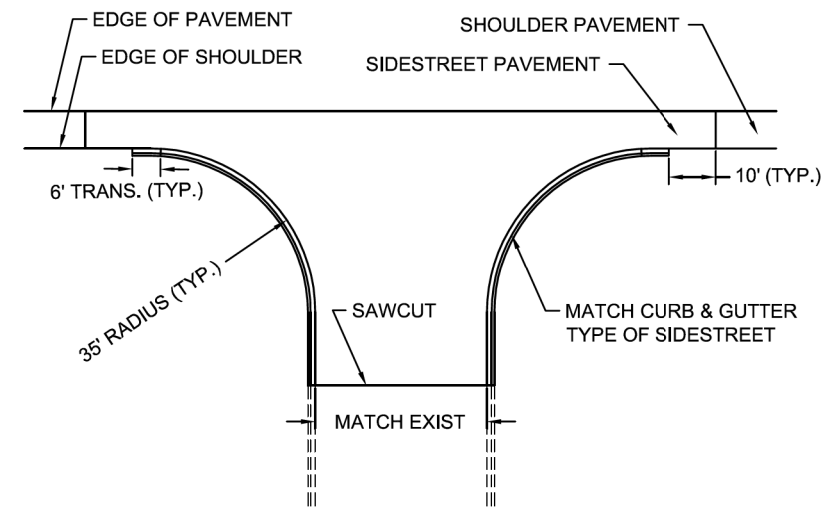
**DUPAGE COUNTY DIVISION OF TRANSPORTATION  
TRENCH BACKFILL STANDARD IN PAVED AREAS**



**Notes:**

1. All materials per IDOT's "Standard Specifications for Road & Bridge Construction" (latest edition) and "Supplemental Recurring Special Provisions" (latest edition).
2. Replace all pavement markings, striping, symbols and pavement markers in kind.

**TYPICAL CURBED SIDE ROAD APPROACH  
UNCURBED HIGHWAY**



**SIDEROAD PAVEMENT SECTION:**

- 1.75" HMA SURFACE COURSE, MIX D, N50
- 2.25" HMA BINDER COURSE, IL-19.0, N50
- 6" HMA BASE COURSE
- 8" SUB-BASE GRANULAR MATERIAL

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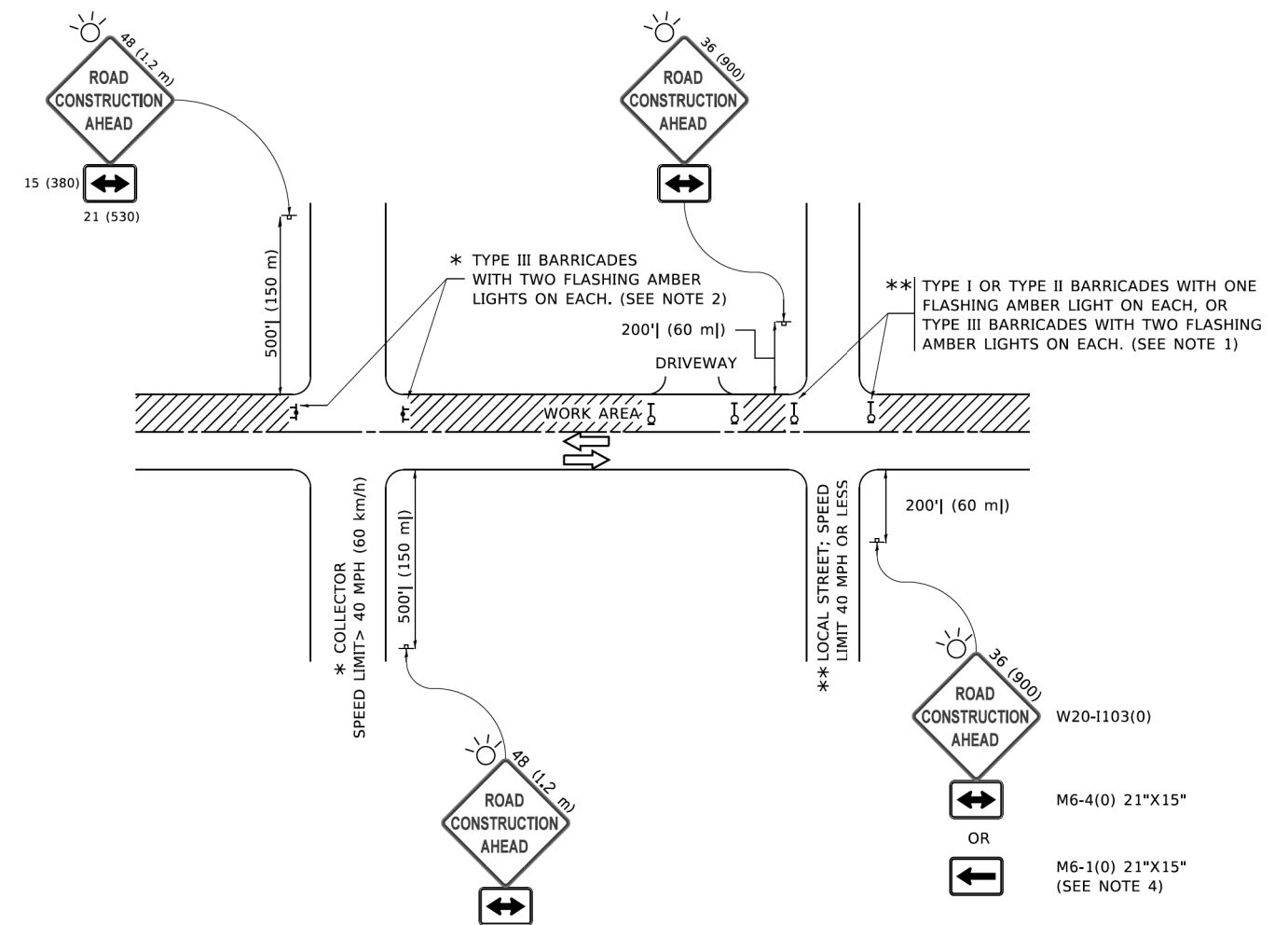
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	DATE - 11/3/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DUDOT STANDARD DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 3 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	159
CONTRACT NO. 61H29				
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) 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. 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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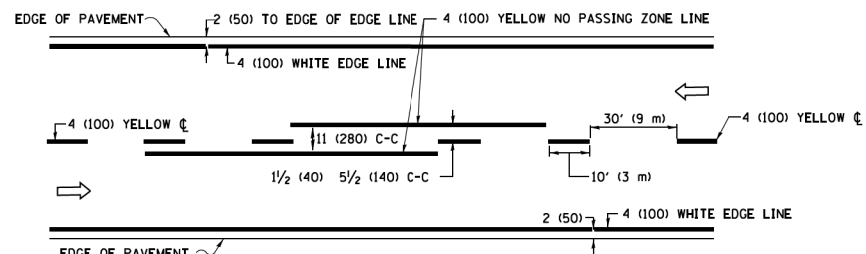
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

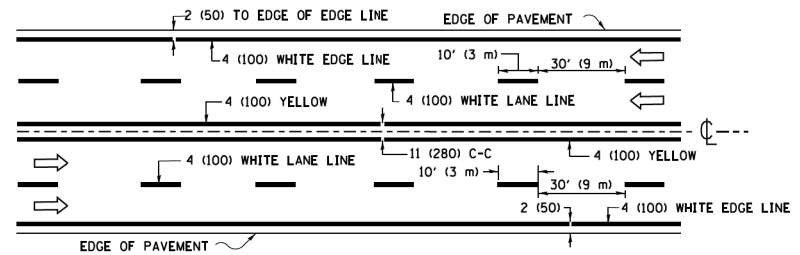
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

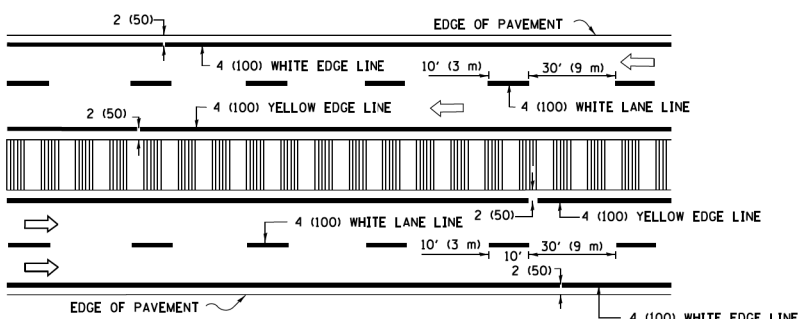
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ILLINOIS   FED. AID PROJECT				



**2-LANE ROADWAY**

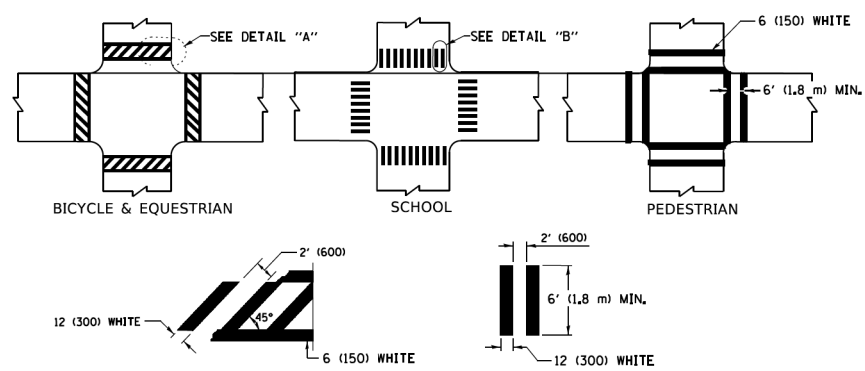


**MULTI-LANE UNDIVIDED**



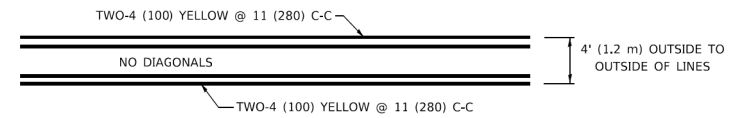
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

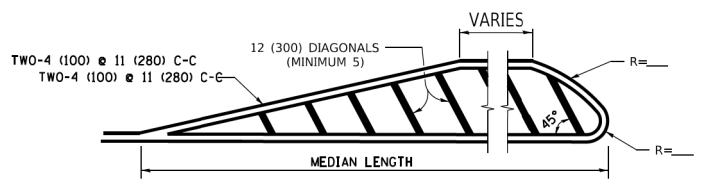


**TYPICAL CROSSWALK MARKING**

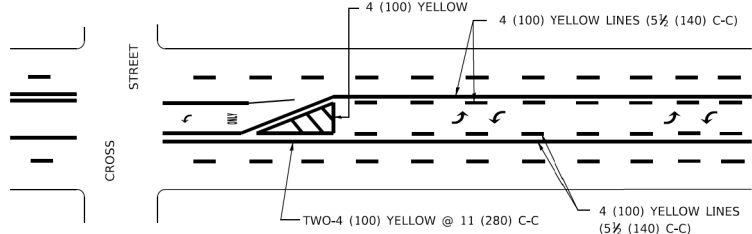
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



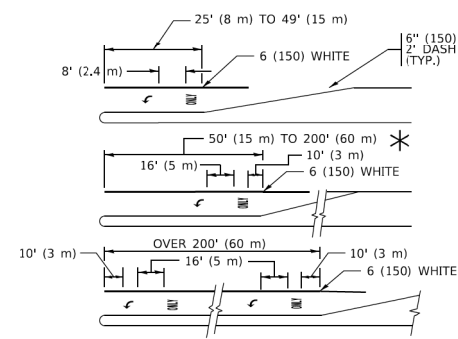
**4' (1.2 m) WIDE MEDIANS ONLY**



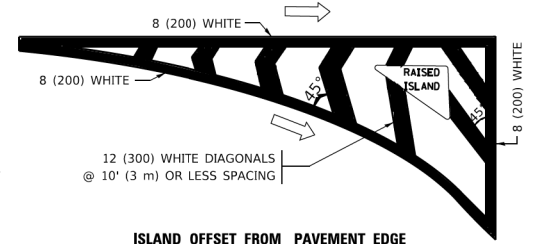
**MEDIANS OVER 4' (1.2 m) WIDE**



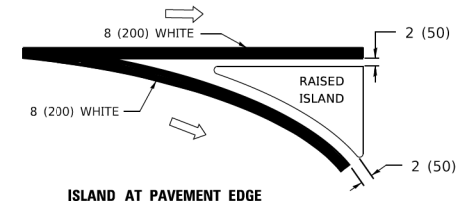
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



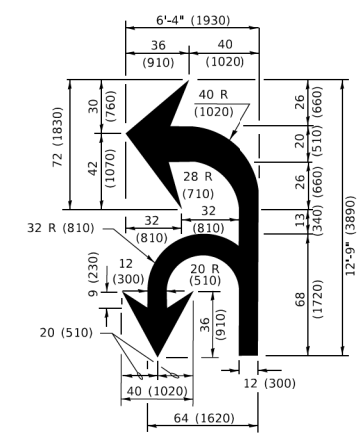
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**



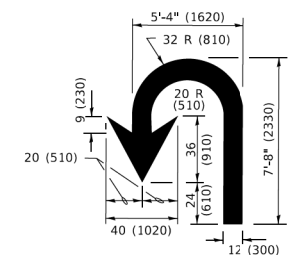
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE 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 1/2 (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 1/2 (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) 2' (600) APART 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) 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 (30 MPH (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" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> EACH) "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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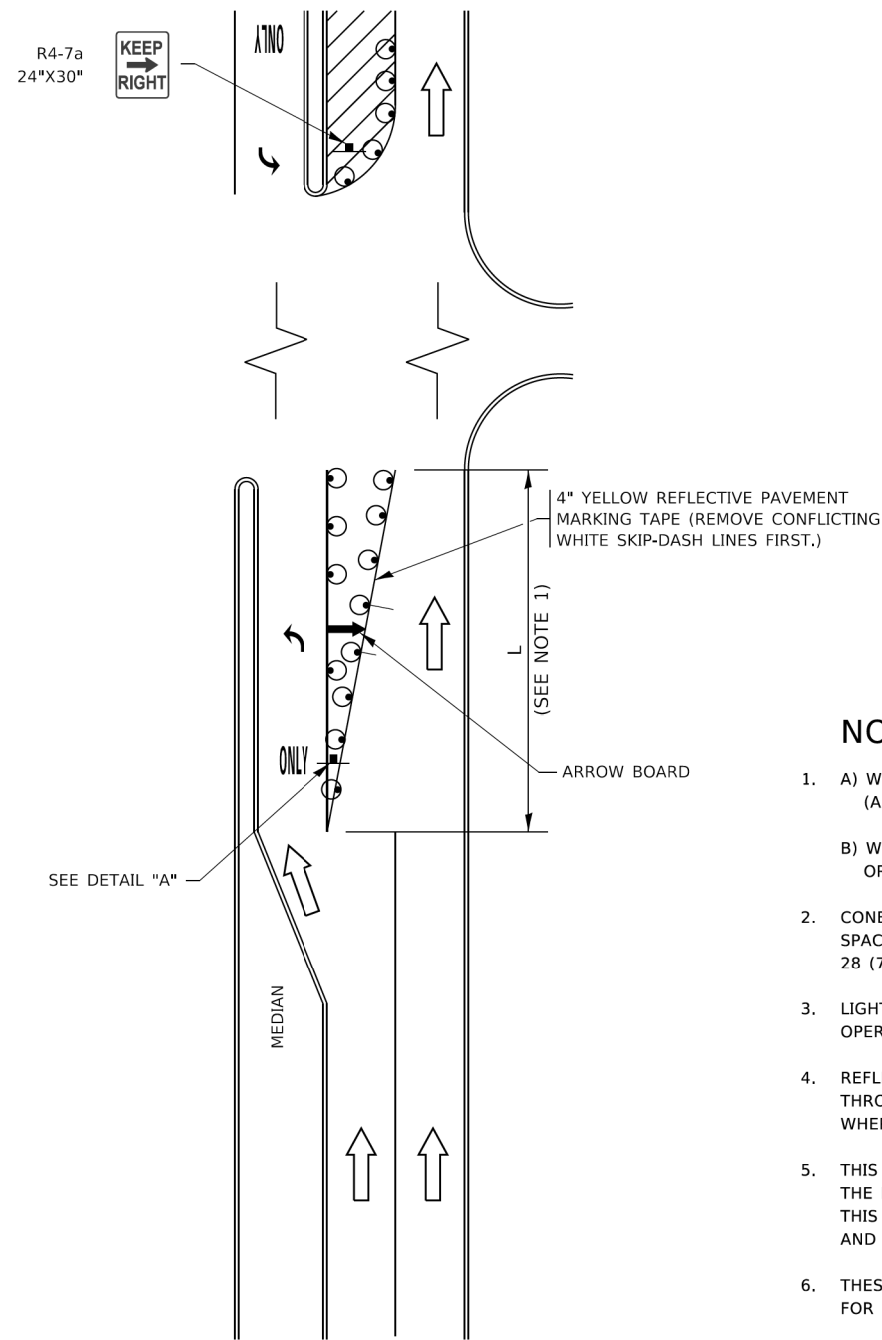
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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		0369	18-00233-04-5P	DUPAGE	215	161
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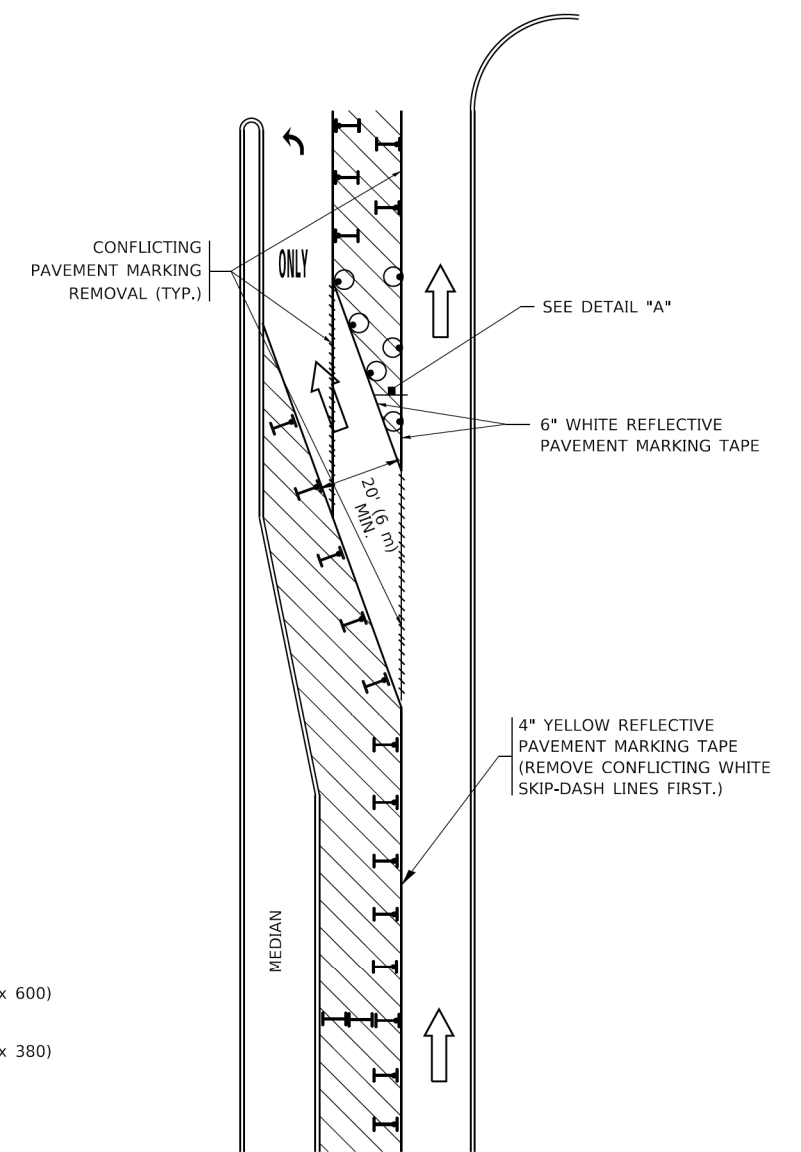
<b>CONTRACT NO. 61H29</b>	
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# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



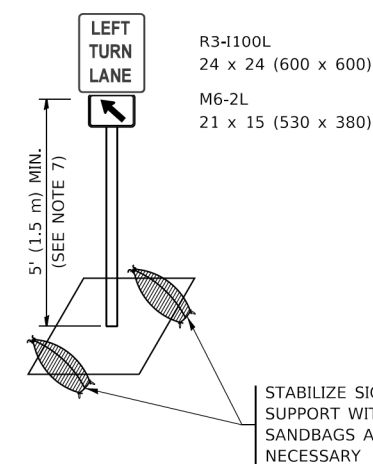
**FIGURE 2**

### 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 ≤ 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" R3-1100R 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 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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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / 1/4"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

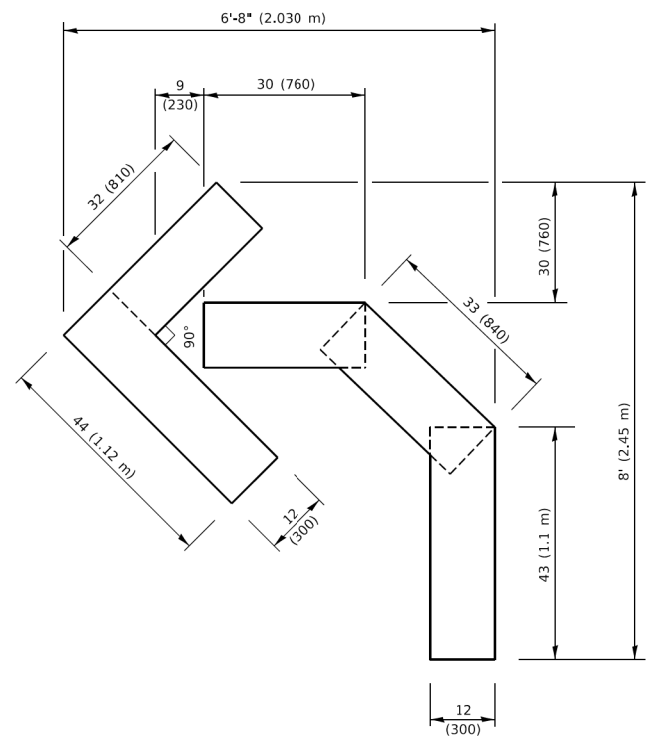
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

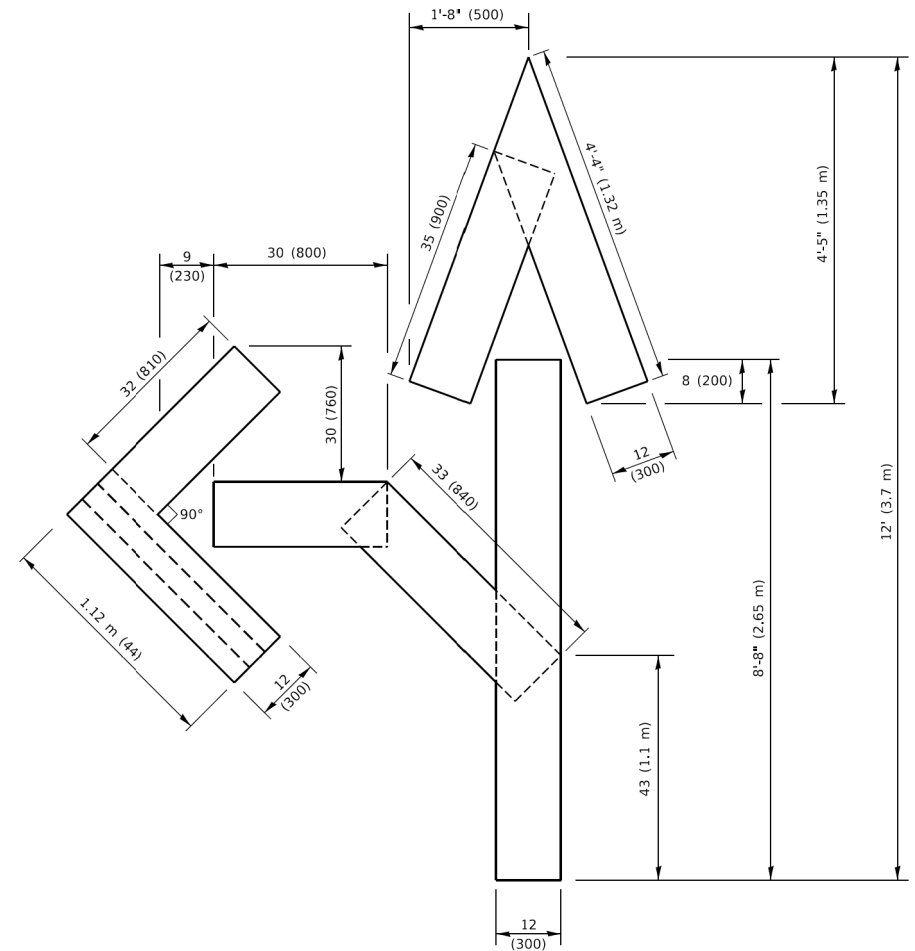
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

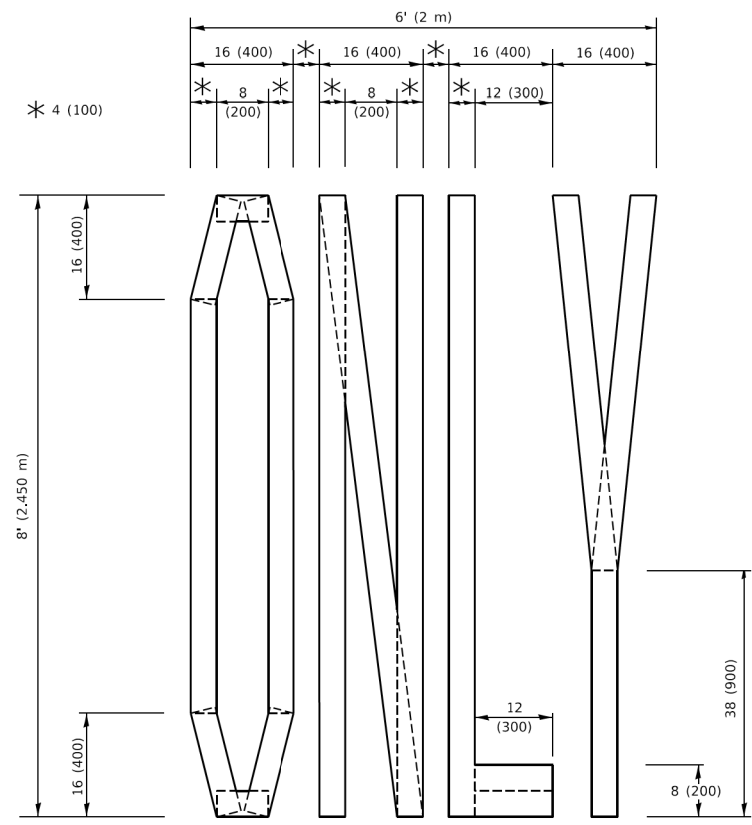




**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

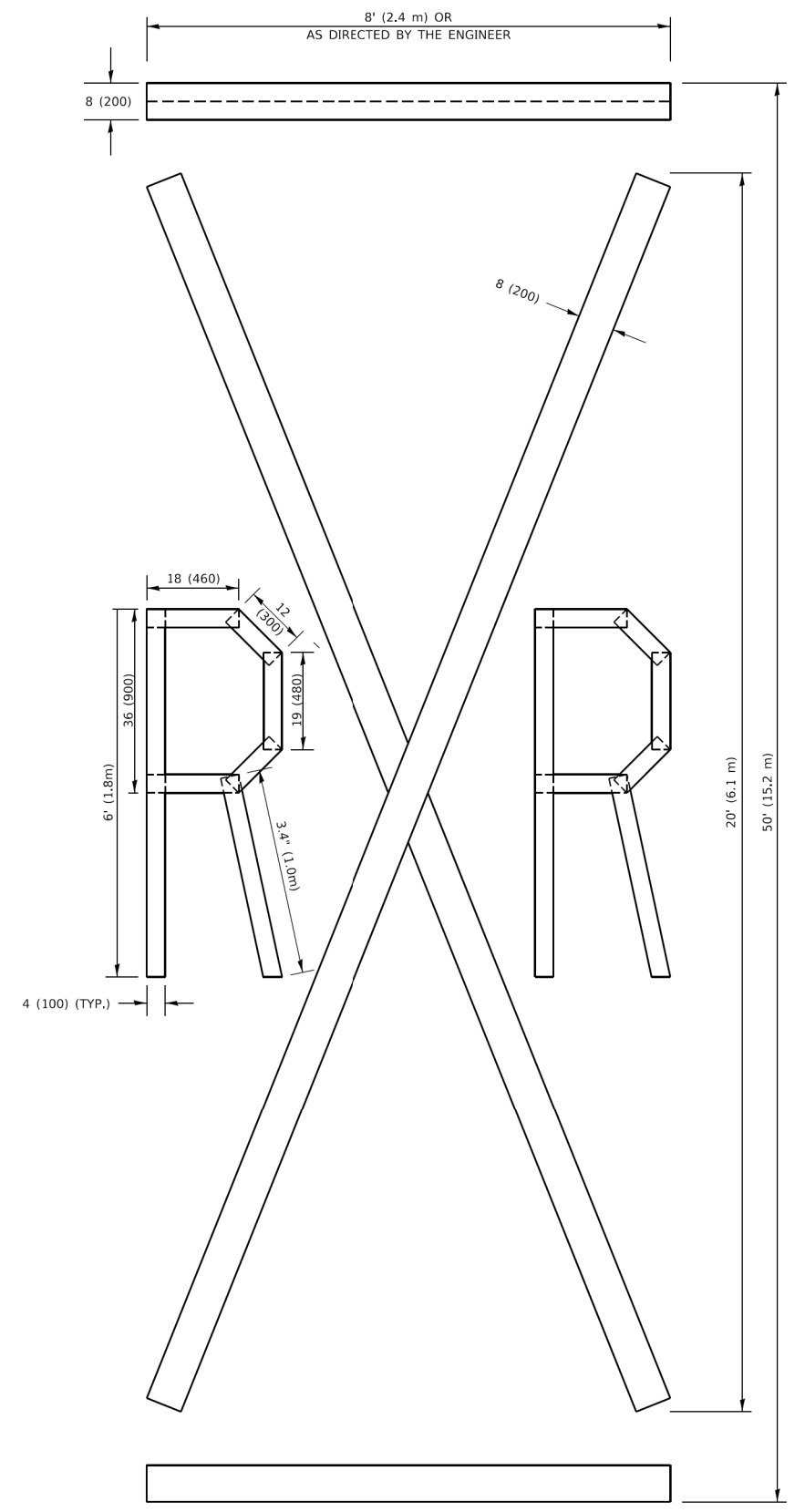


**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)



**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 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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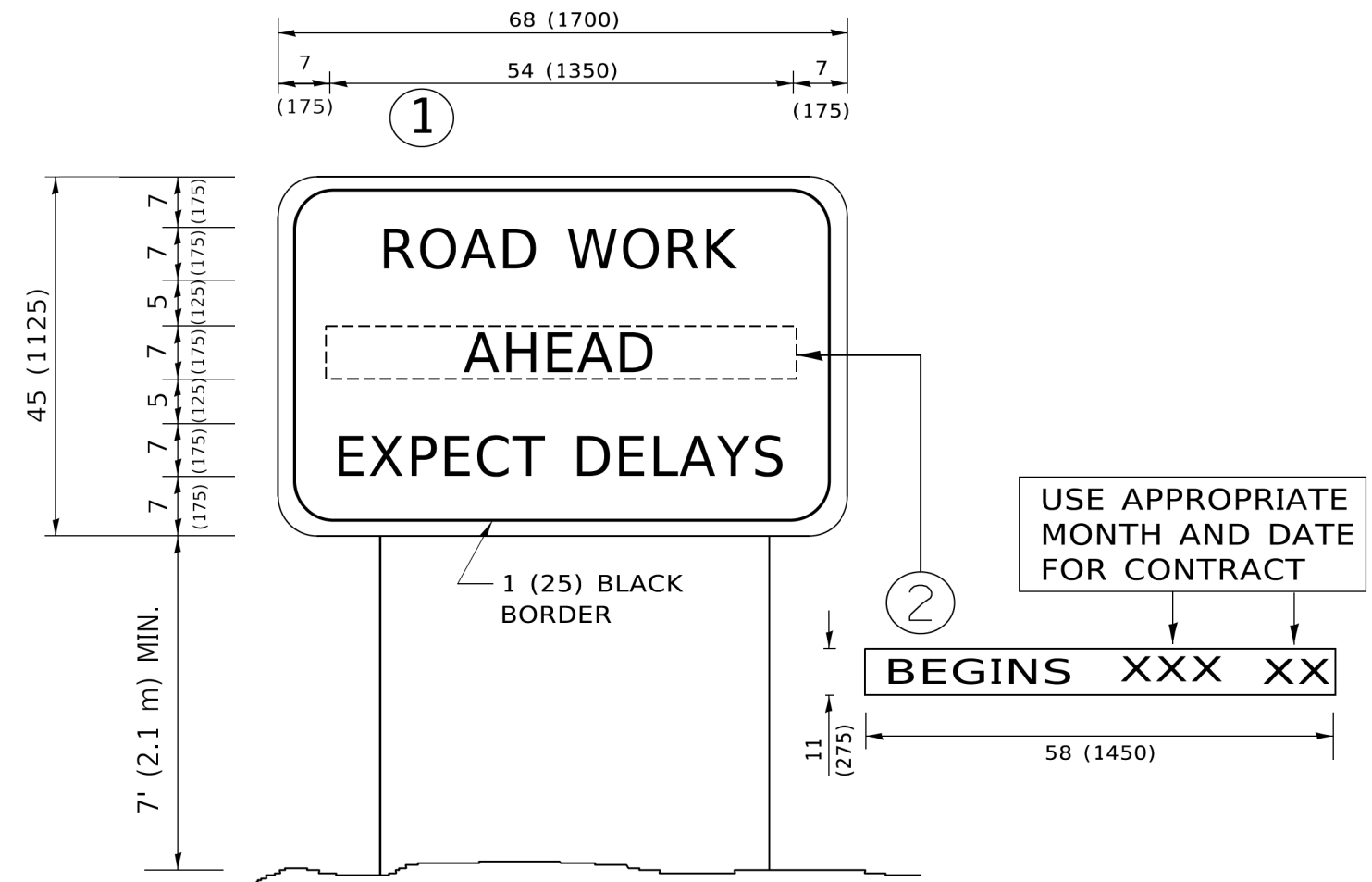
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	163
<b>TC-16</b>			CONTRACT NO. 61H29	
		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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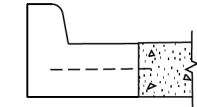
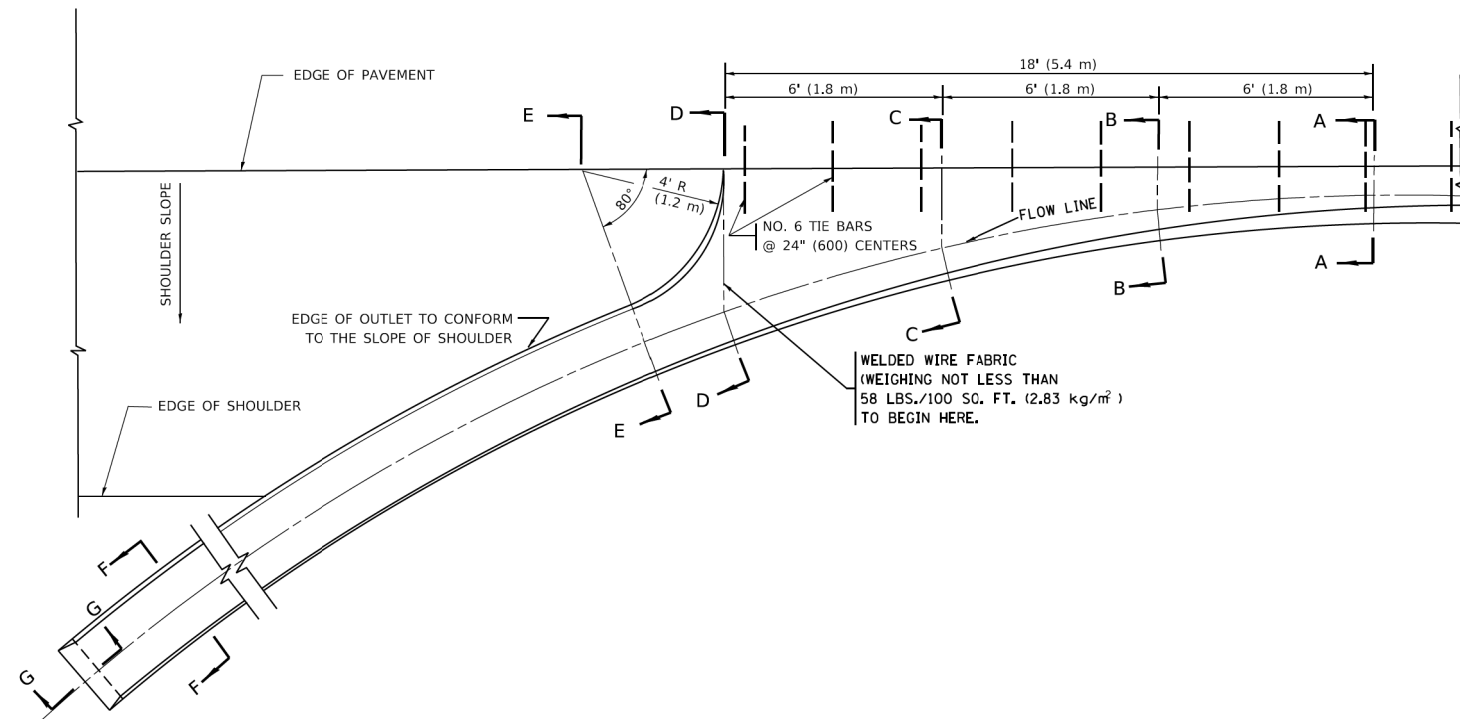
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

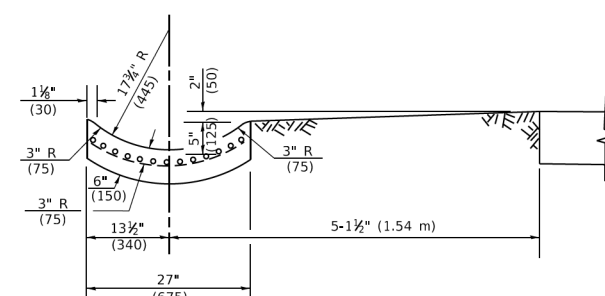
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TC-22		CONTRACT NO. 61H29		
ILLINOIS FED. AID PROJECT				

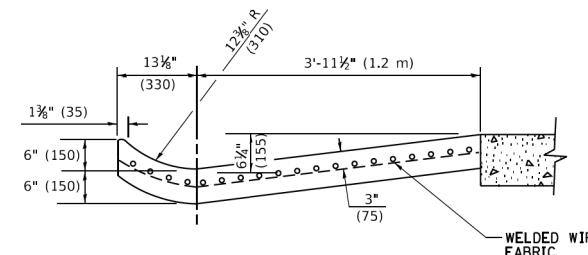


**SECTION A-A \***

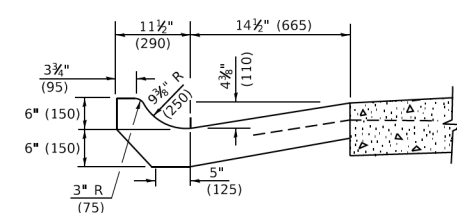
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



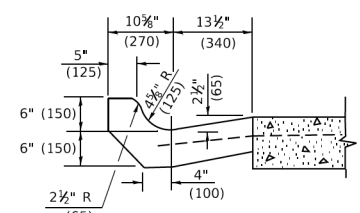
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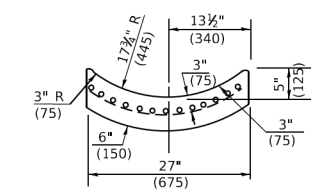
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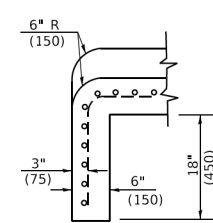
**SECTION C-C**



**SECTION B-B**



**SECTION F-F**



**SECTION G-G**

**GENERAL NOTES**

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001. TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN. IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**QUANTITIES**

FOR SECTION A-A TO E-E AND CURTAIN WALL=  
 1.25 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.  
 1.27 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.  
 FOR SECTION F-F=  
 0.045 CU. YDS. (0.03<sup>3</sup>m ) CLASS SI CONCRETE PER FT. (M).

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

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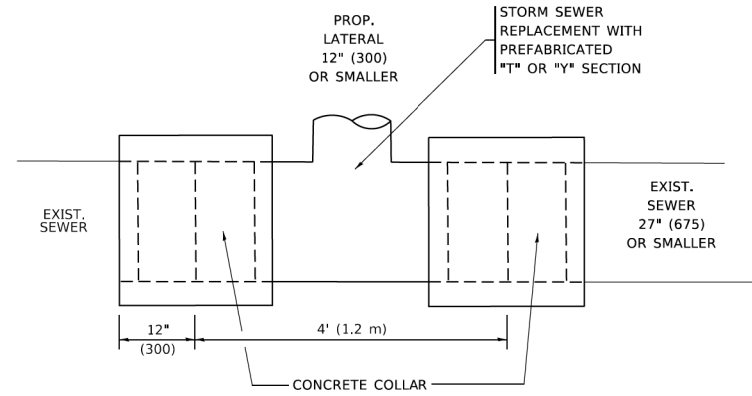
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PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - E. GOMEZ 12-21-00
PLOT DATE = 3/27/2019	DATE - 08-04-86	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE  
CURB AND GUTTER**

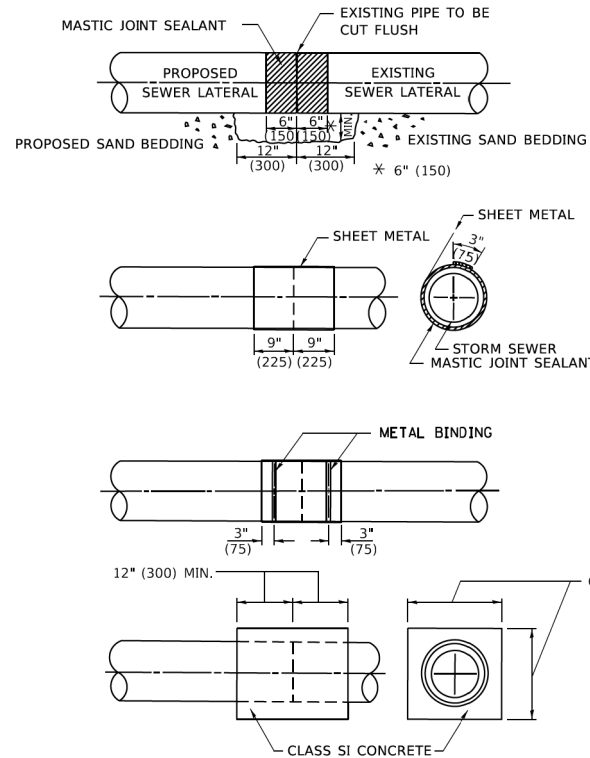
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	165
<b>BD600-01 (BD-03)</b>		CONTRACT NO. 61H29		
ILLINOIS		FED. AID PROJECT		



**DETAIL "A"**

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



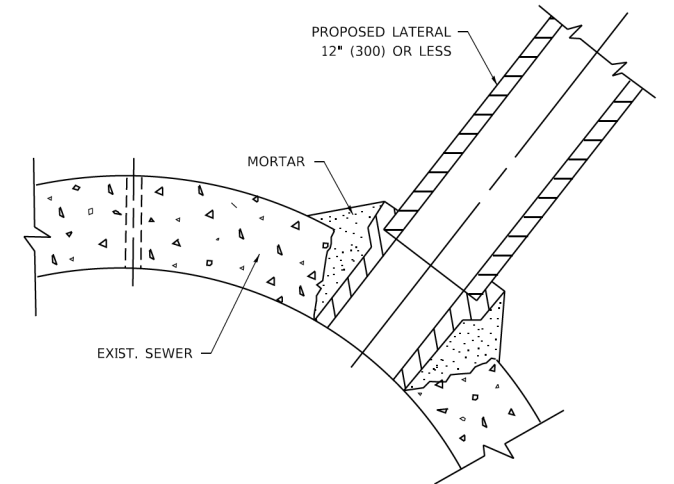
**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



**DETAIL "C"**

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

**NOTES:**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

MODEL: Default; FILE: \\nwc1c-prod\planning\com\del\_illinois\pww\DOT\Documents\DOT\_Offices\Delrefc\_1\Projects\Illinois\22\23\11\CADD\ba\CAD\sheet\bs07.dgn

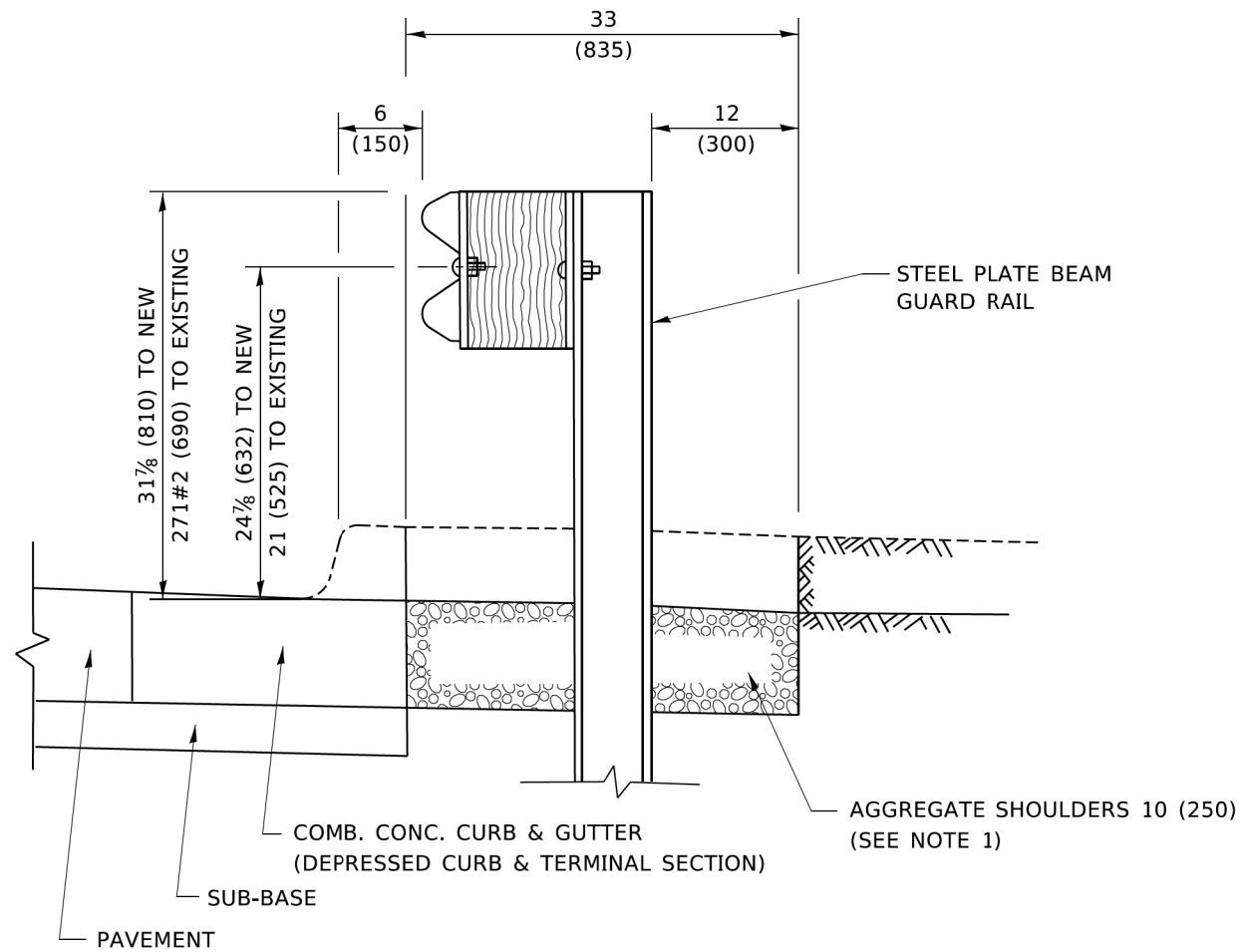
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	DRAWN -	REVISED - R. SHAH 09-09-94
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - R. SHAH 10-25-94
PLOT DATE = 3/27/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	166
BD500-01 (BD-7)			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				



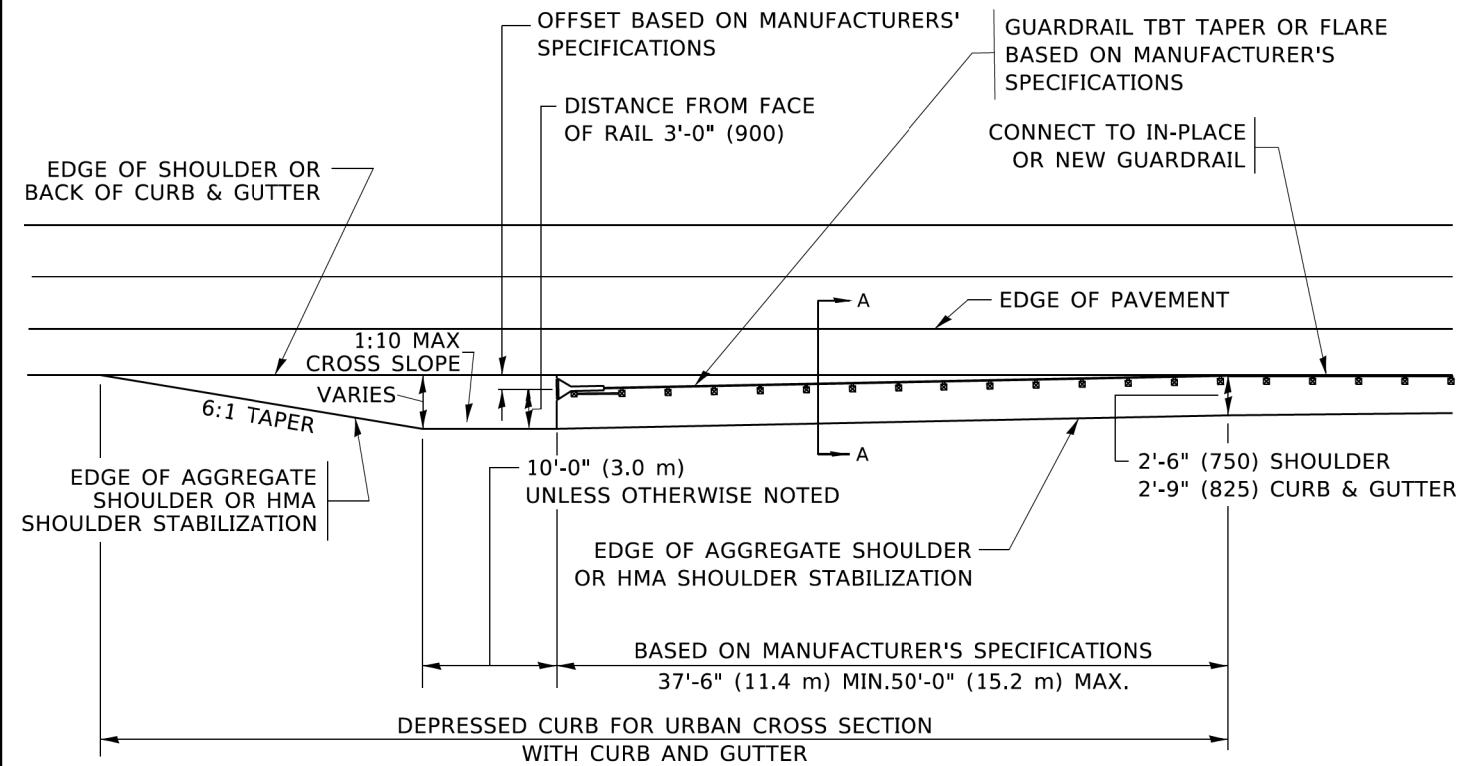
**SECTION A-A**

**NOTES:**

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER**

**[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

MODEL: Default  
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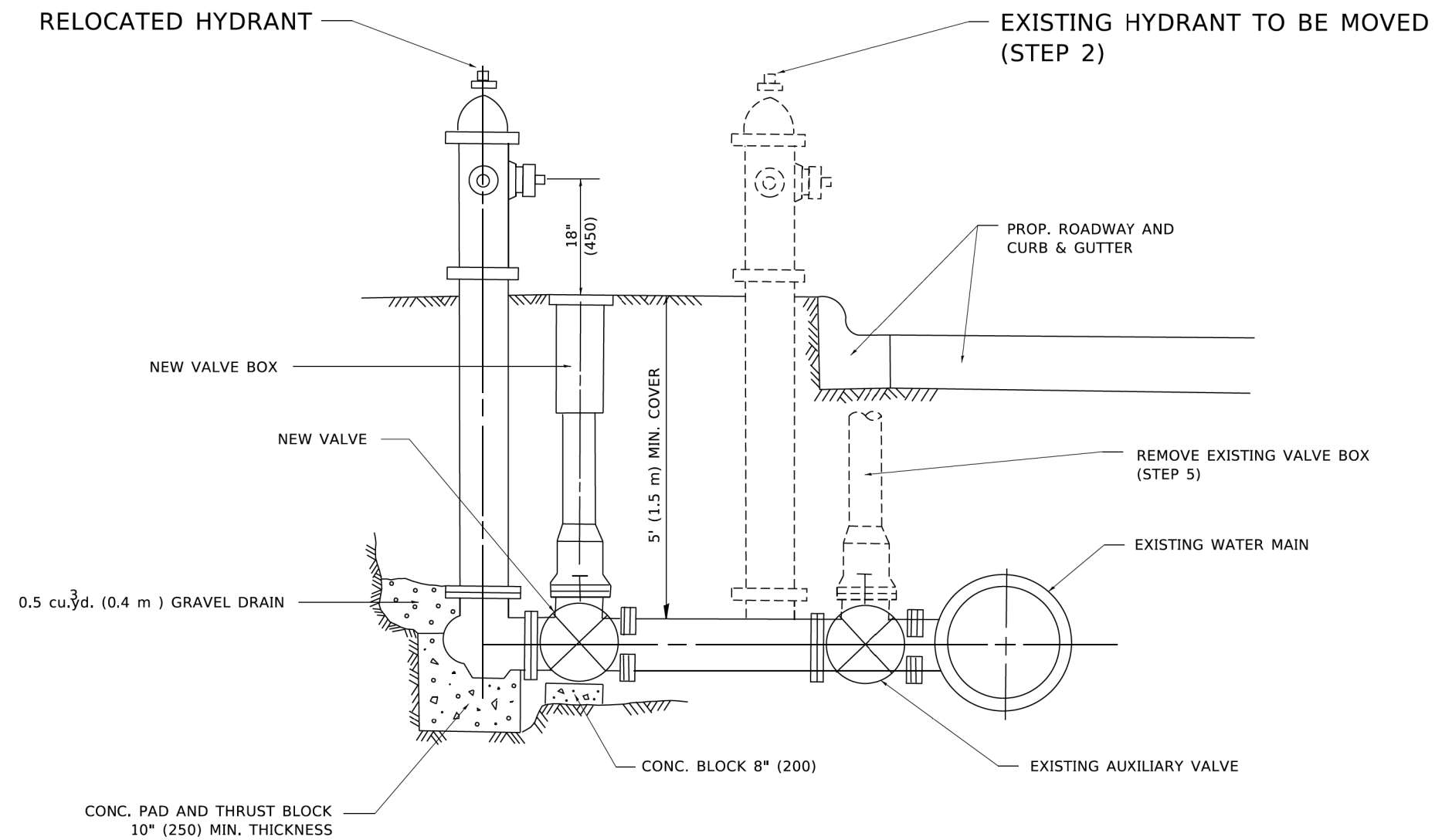
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	DRAWN -	REVISED - R. BORO 09-14-2009
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - R. BORO 08-06-2012
PLOT DATE = 3/27/2019	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	167
<b>BD600-10 (BD 34)</b>		CONTRACT NO. 61H29		
ILLINOIS FED. AID PROJECT				



**SEQUENCE OF CONSTRUCTION:**

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

**NOTE:**

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

# FIRE HYDRANT TO BE MOVED

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

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	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/27/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIRE HYDRANT TO BE MOVED**

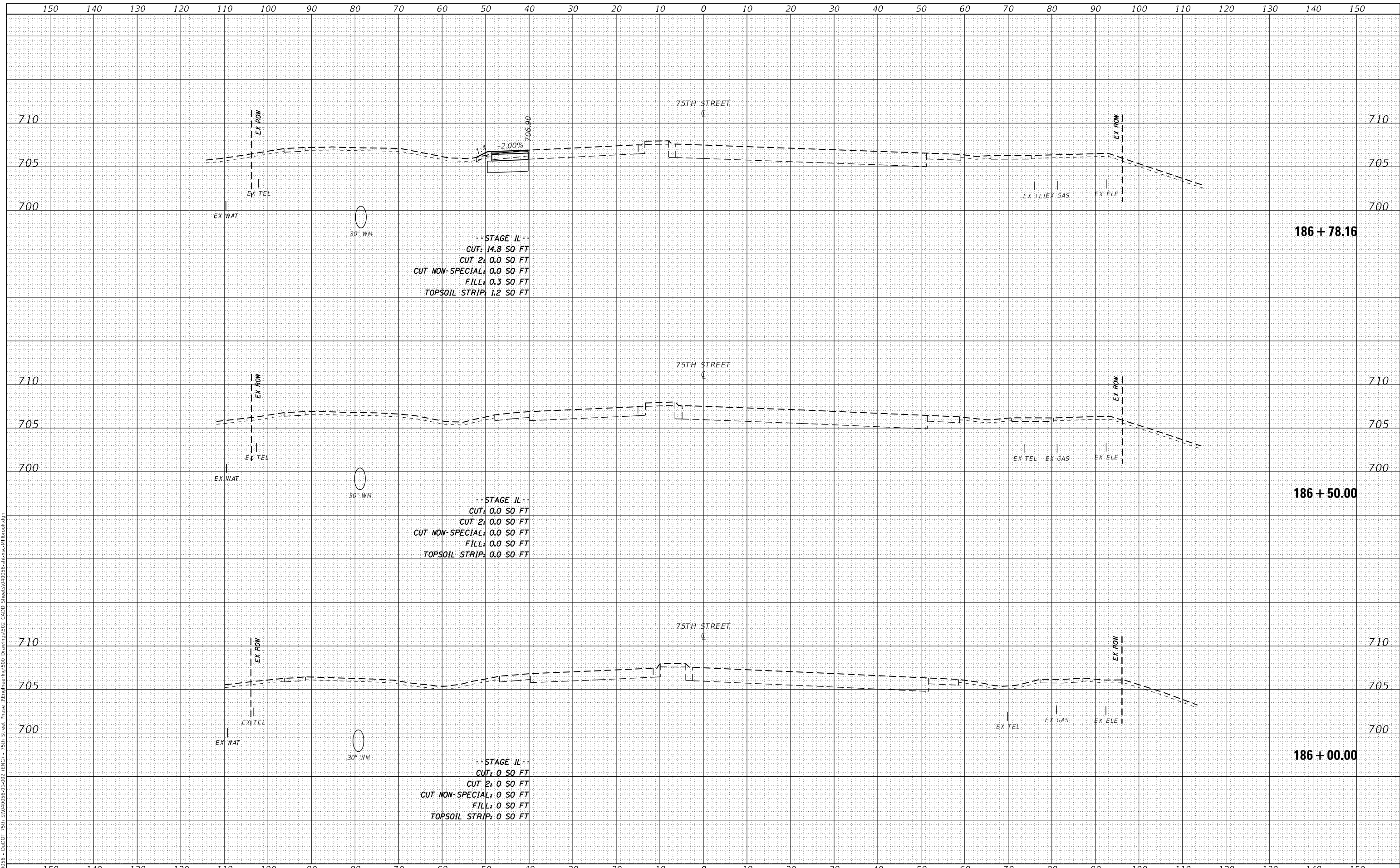
SCALE: NONE    SHEET 1 OF 1 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	168
<b>BD-36</b>		CONTRACT NO. 61H29		
ILLINOIS FED. AID PROJECT				

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

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-- STAGE II --  
 CUT: 14.8 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.3 SQ FT  
 TOPSOIL STRIP: 1.2 SQ FT

-- STAGE II --  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 0.0 SQ FT

-- STAGE II --  
 CUT: 0 SQ FT  
 CUT 2: 0 SQ FT  
 CUT NON-SPECIAL: 0 SQ FT  
 FILL: 0 SQ FT  
 TOPSOIL STRIP: 0 SQ FT



USER NAME = kberry  
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 DATE -  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 11/3/2021

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

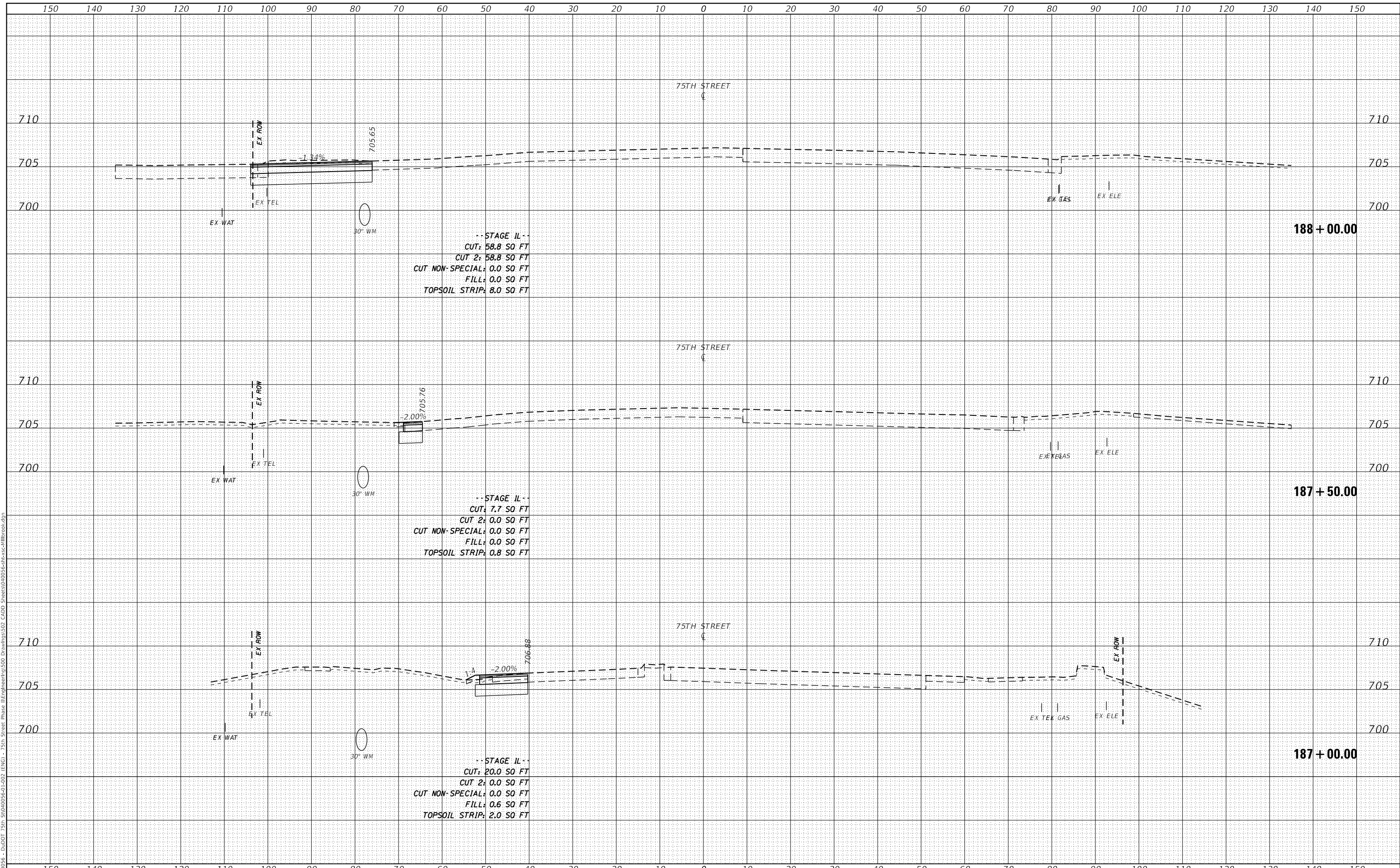
CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE  
 SCALE: 1"=10'H; 1"=5'V SHEET 1 OF 7 SHEETS STA. 186+00.00 TO STA. 186+78.16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	169
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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STAGE II  
 CUT: 58.8 SQ FT  
 CUT 2: 58.8 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 8.0 SQ FT

STAGE II  
 CUT: 7.7 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 0.8 SQ FT

STAGE II  
 CUT: 20.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.6 SQ FT  
 TOPSOIL STRIP: 2.0 SQ FT



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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 11/3/2021

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE  
 SCALE: 1"=10'H; 1"=5'V SHEET 2 OF 7 SHEETS STA. 187+00.00 TO STA. 188+00.00

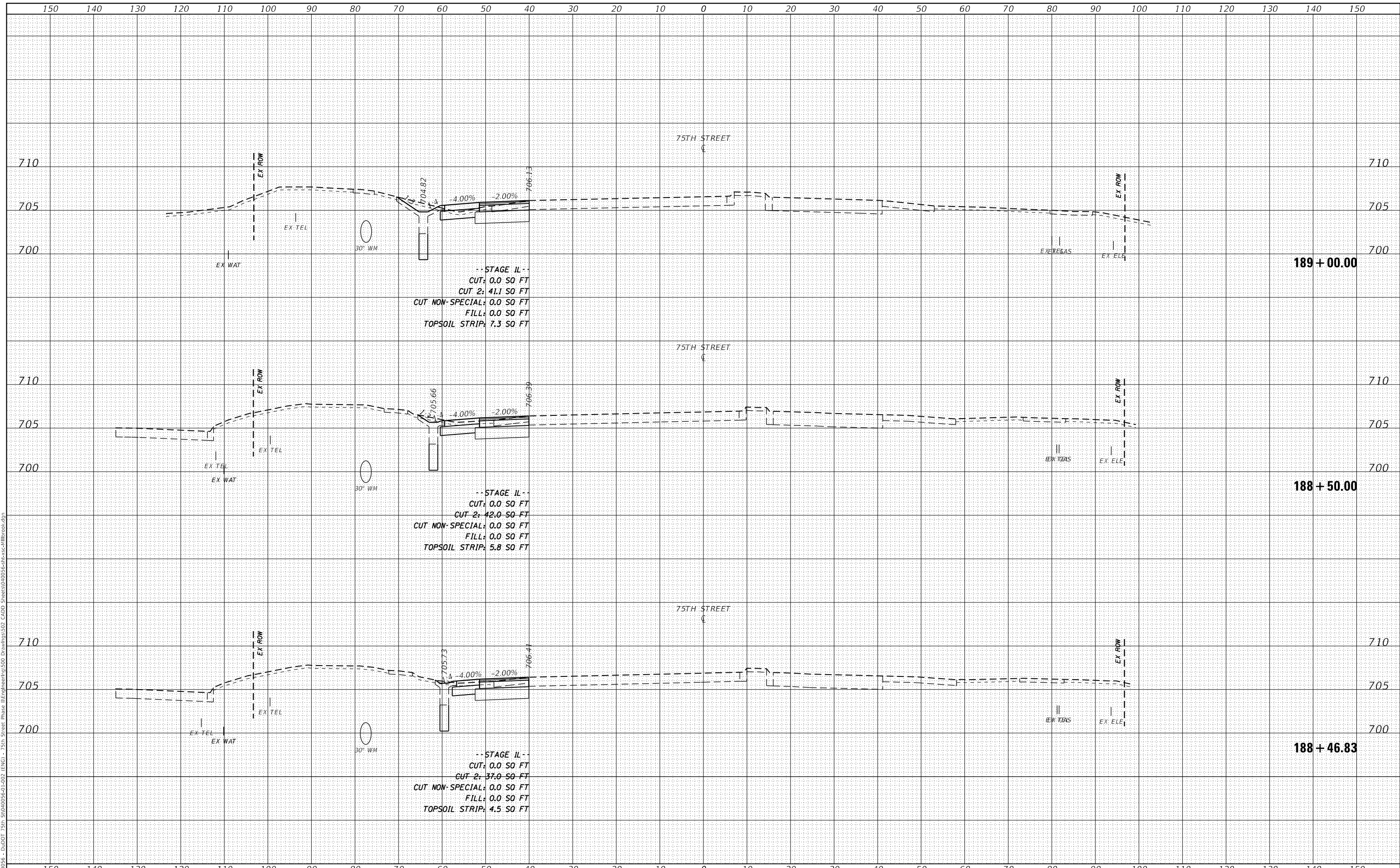
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	170
				CONTRACT NO. 61H29
ILLINOIS FED. AID PROJECT				



DATE	
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE**

SCALE: 1"=10'H; 1"=5'V SHEET 3 OF 7 SHEETS STA. 188+46.83 TO STA. 189+00.00

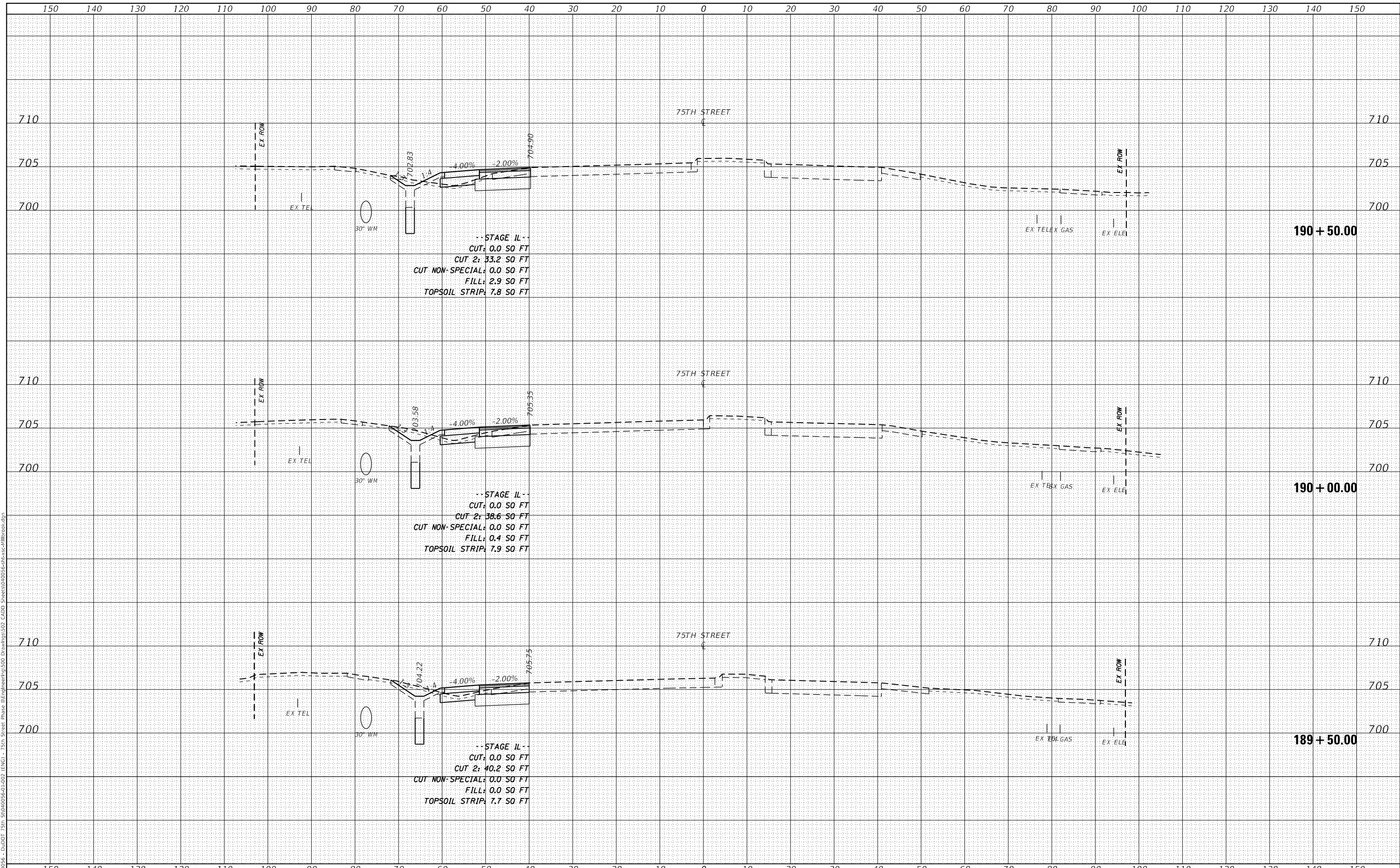
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	171
CONTRACT NO. 61H29				

ILLINOIS FED. AID PROJECT

DATE	
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TEMPLATE	
NOTE BOOK	
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NOTE BOOK	
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-- STAGE II --  
 CUT: 0.0 SO FT  
 CUT 2: 33.2 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 2.9 SO FT  
 TOPSOIL STRIP: 7.8 SO FT

-- STAGE II --  
 CUT: 0.0 SO FT  
 CUT 2: 38.6 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 0.4 SO FT  
 TOPSOIL STRIP: 7.9 SO FT

-- STAGE II --  
 CUT: 0.0 SO FT  
 CUT 2: 40.2 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 0.0 SO FT  
 TOPSOIL STRIP: 7.7 SO FT



USER NAME = kberry  
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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 11/3/2021

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

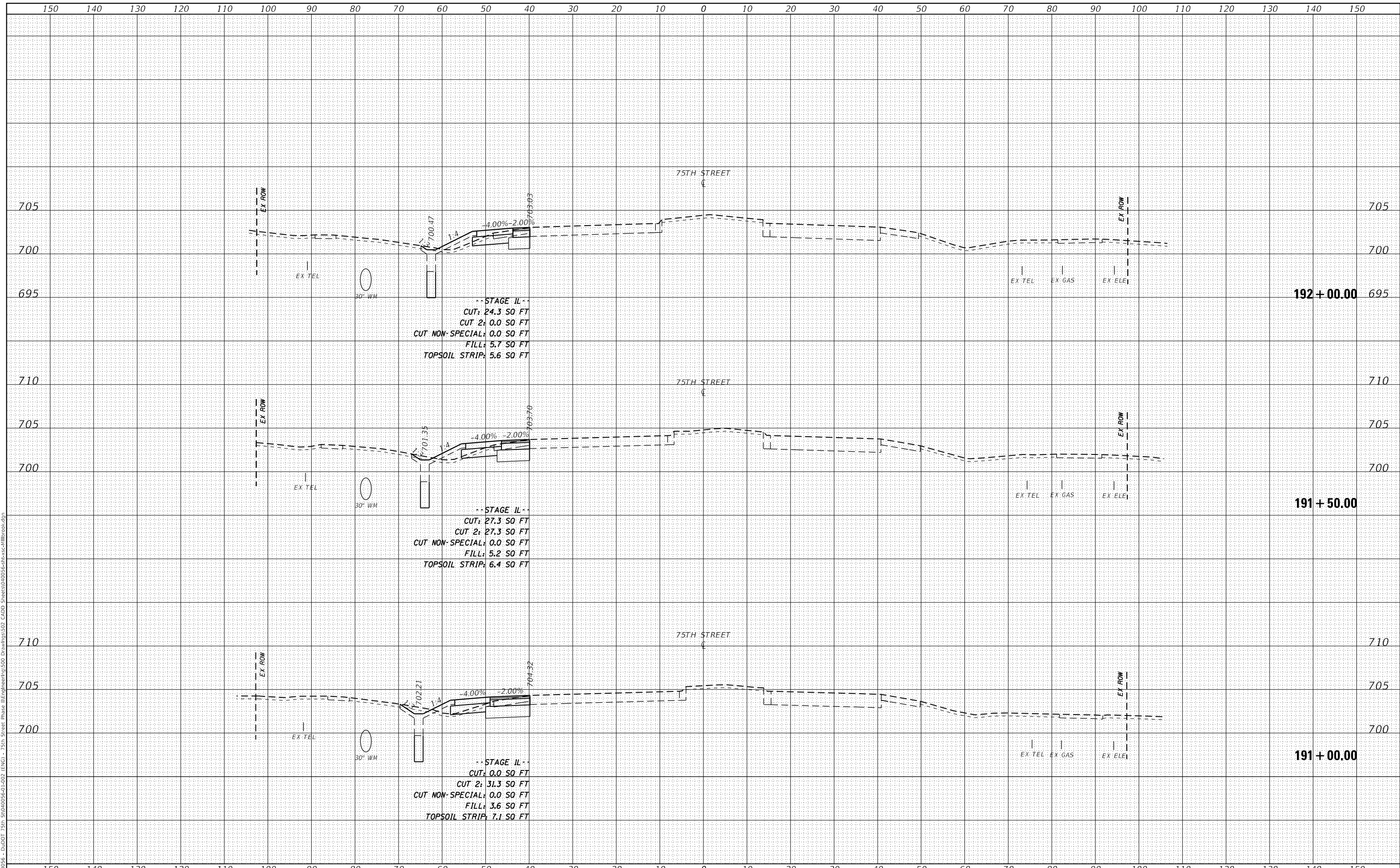
CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE  
 SCALE: 1"=10'H; 1"=5'V SHEET 4 OF 7 SHEETS STA. 189+50.00 TO STA. 190+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	172
			CONTRACT NO. 61H29	
			ILLINOIS FED. AID PROJECT	

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

DATE	
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TEMPLATE	
AREAS CHECKED	
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ORIGINAL SURVEY	
NOTE BOOK	
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PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 11/3/2021

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE**

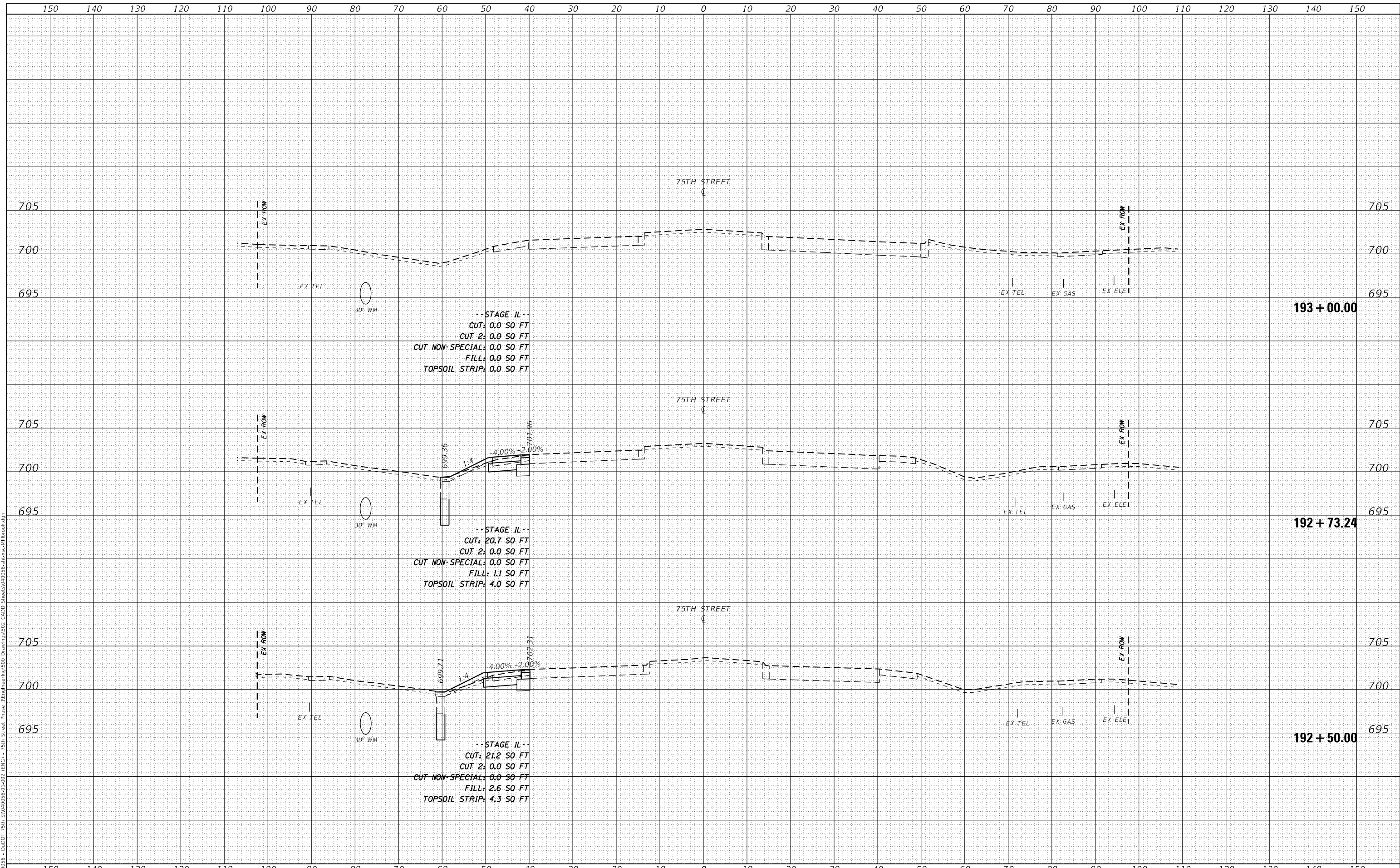
SCALE: 1"=10'H; 1"=5'V SHEET 5 OF 7 SHEETS STA. 191+00.00 TO STA. 192+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	173
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

DATE	
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AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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-- STAGE II --  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 0.0 SQ FT

-- STAGE II --  
 CUT: 20.7 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 1.1 SQ FT  
 TOPSOIL STRIP: 4.0 SQ FT

-- STAGE II --  
 CUT: 21.2 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 2.6 SQ FT  
 TOPSOIL STRIP: 4.3 SQ FT



USER NAME = kberry  
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 PLOT SCALE = 20.0000' / in.  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

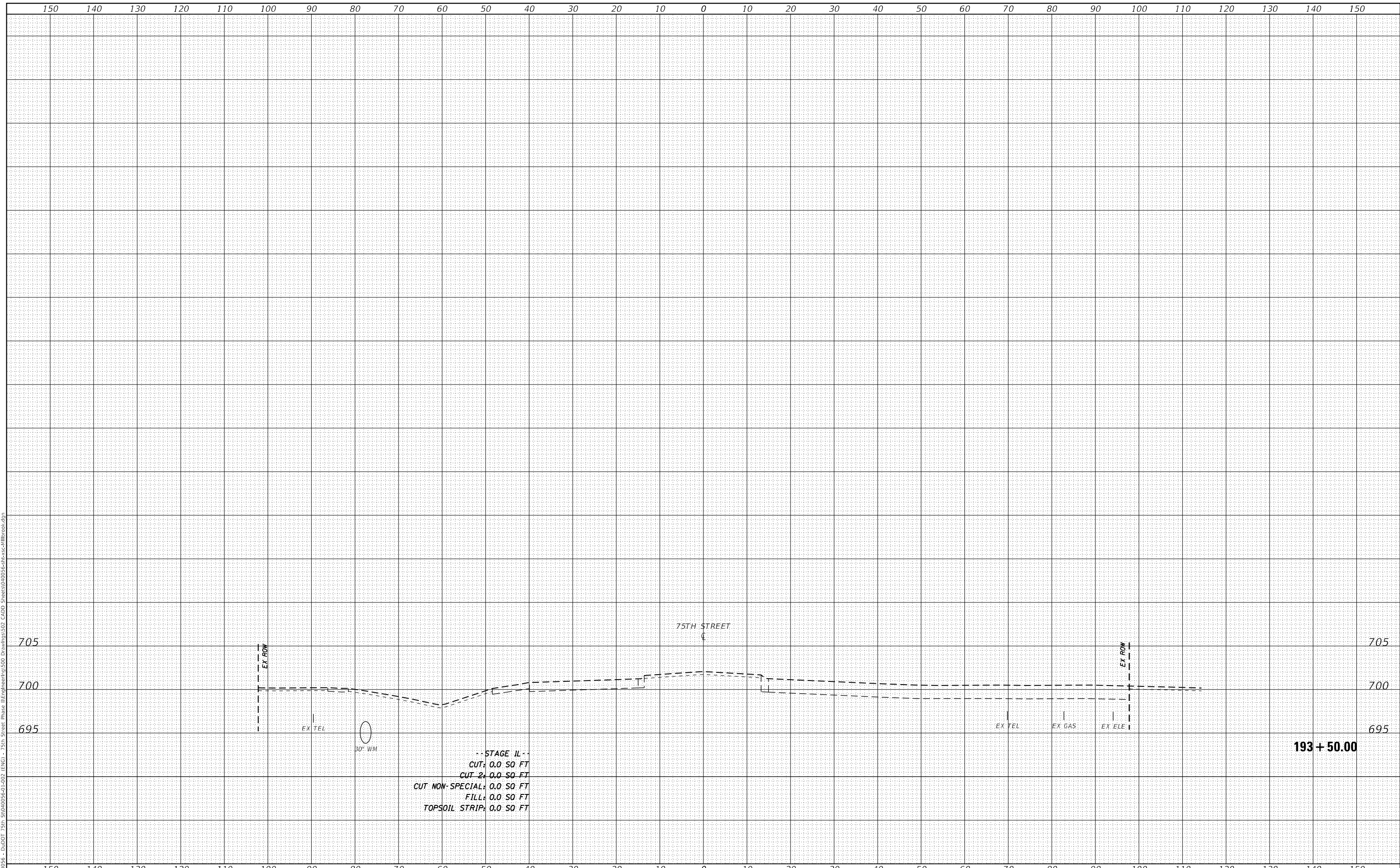
CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE  
 SCALE: 1"=10'H; 1"=5'V SHEET 6 OF 7 SHEETS STA. 192+50.00 TO STA. 193+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	174
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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.. STAGE II ..  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 0.0 SQ FT



USER NAME = kberry  
 PLOT SCALE = 20.0000 ' / in.  
 PLOT DATE = 11/3/2021

DESIGNED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT MILLBROOK DRIVE  
 SCALE: 1"=10'H; 1"=5'V SHEET 7 OF 7 SHEETS STA. 193+50.00 TO STA. 193+50.00

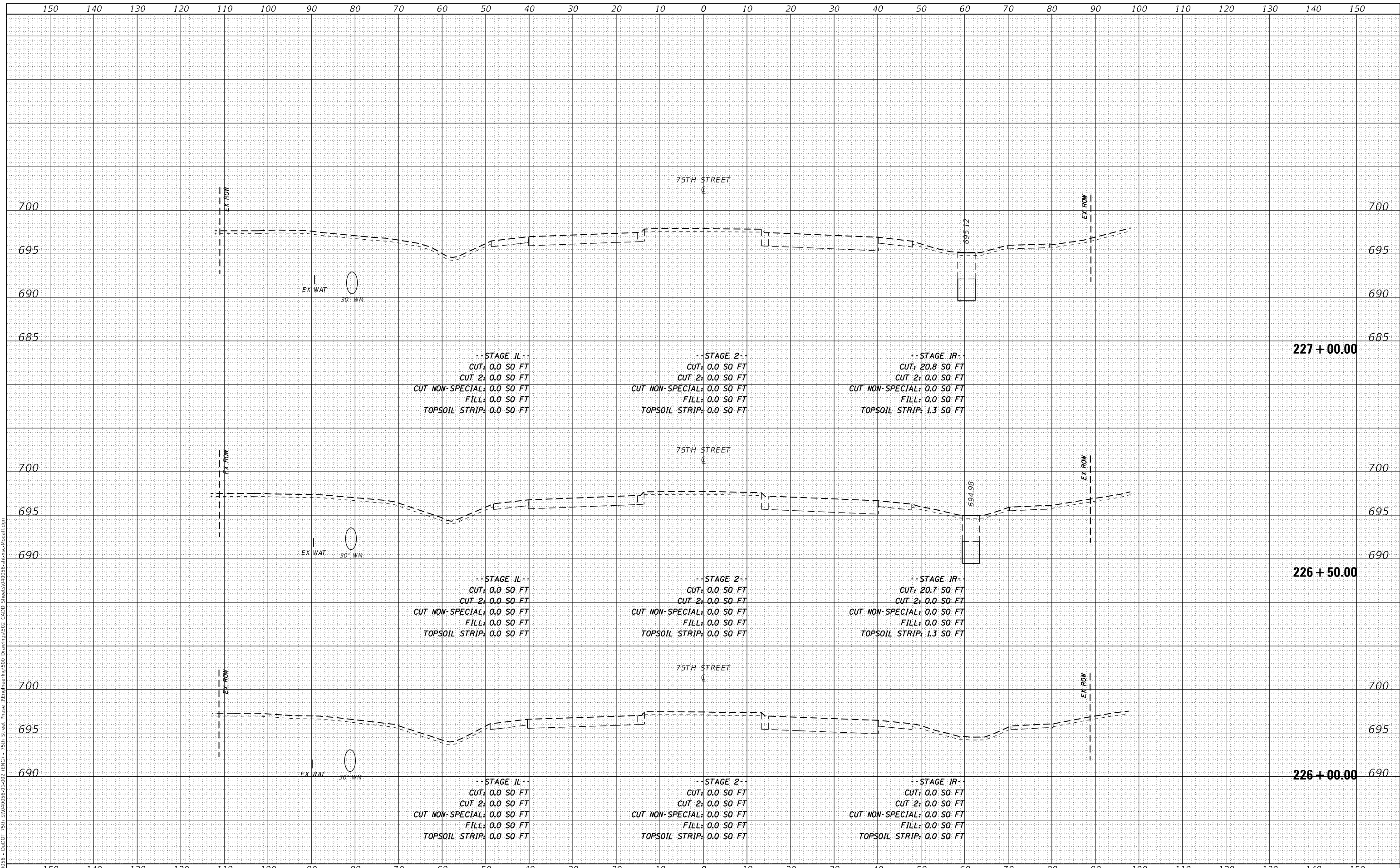
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0369	18-00233-04-5P		215	175
			CONTRACT NO. 61H29	
			ILLINOIS FED. AID PROJECT	



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

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

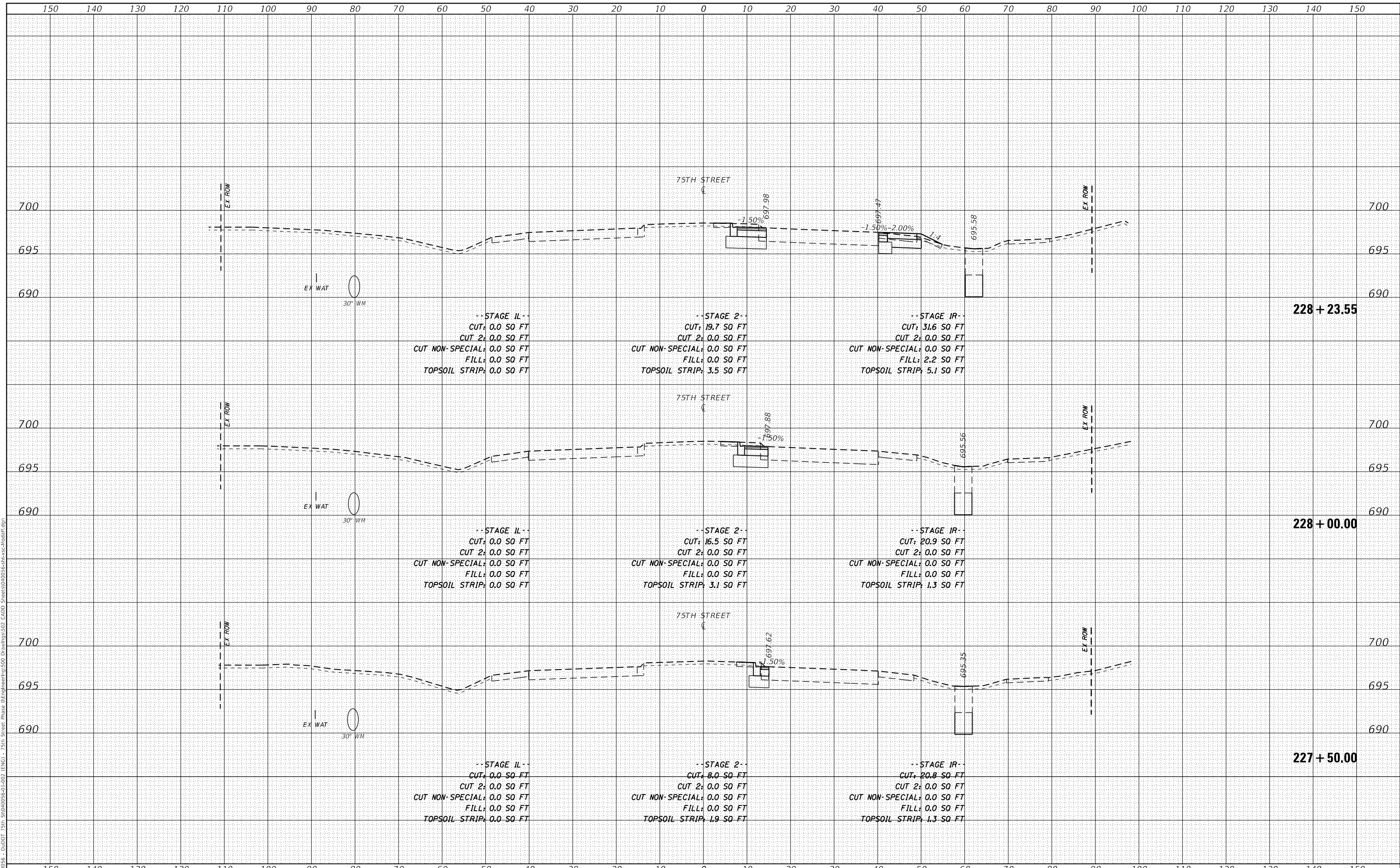
<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 1	OF 14 SHEETS	STA. 226+00.00 TO STA. 227+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	176
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

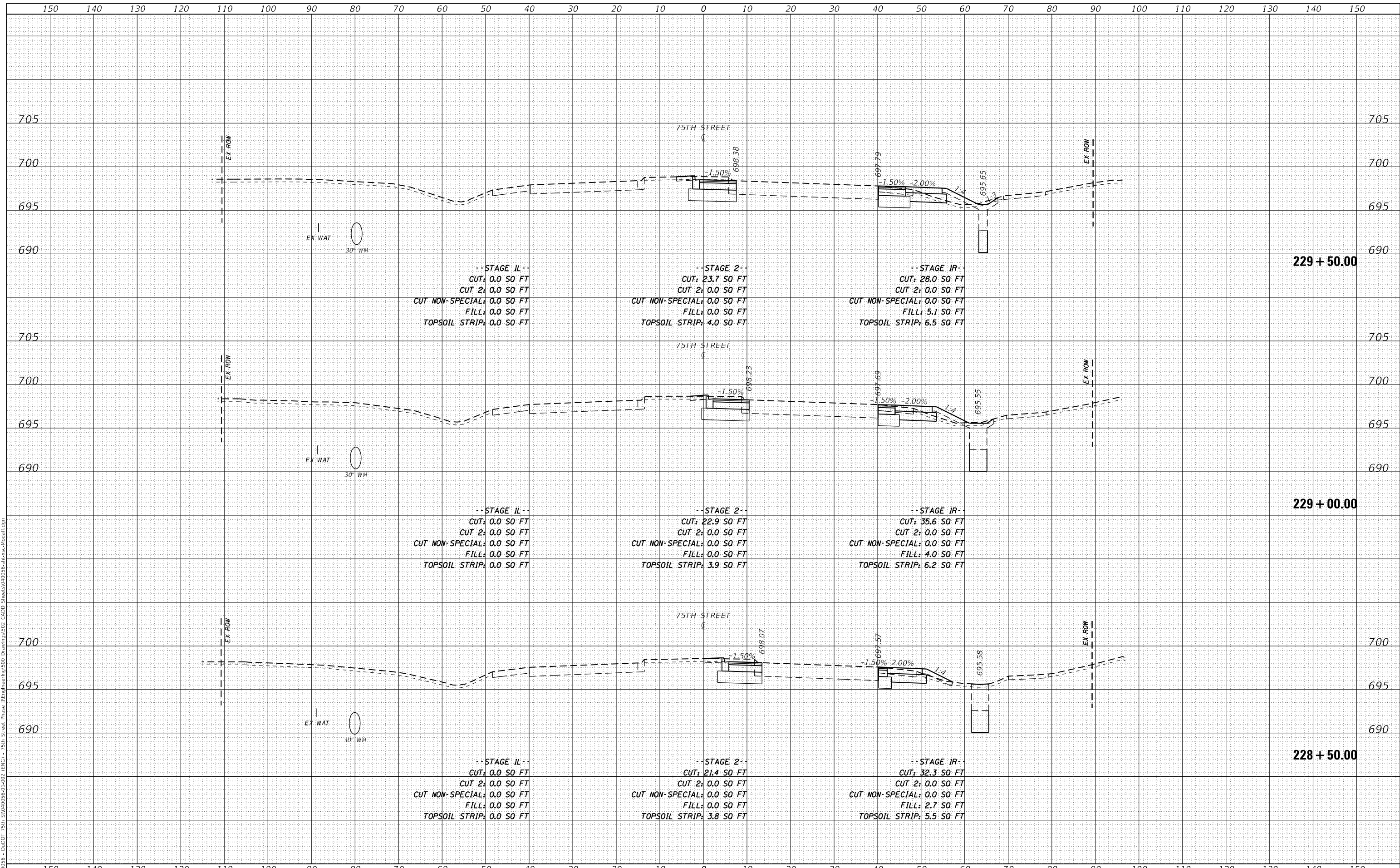
<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 2	OF 14 SHEETS	STA. 227+50.00 TO STA. 228+23.55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	177
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

DATE	
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	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>		
SCALE: 1"=10'H; 1"=5'V	SHEET 3	OF 14 SHEETS
STA. 228+50.00	TO STA. 229+50.00	

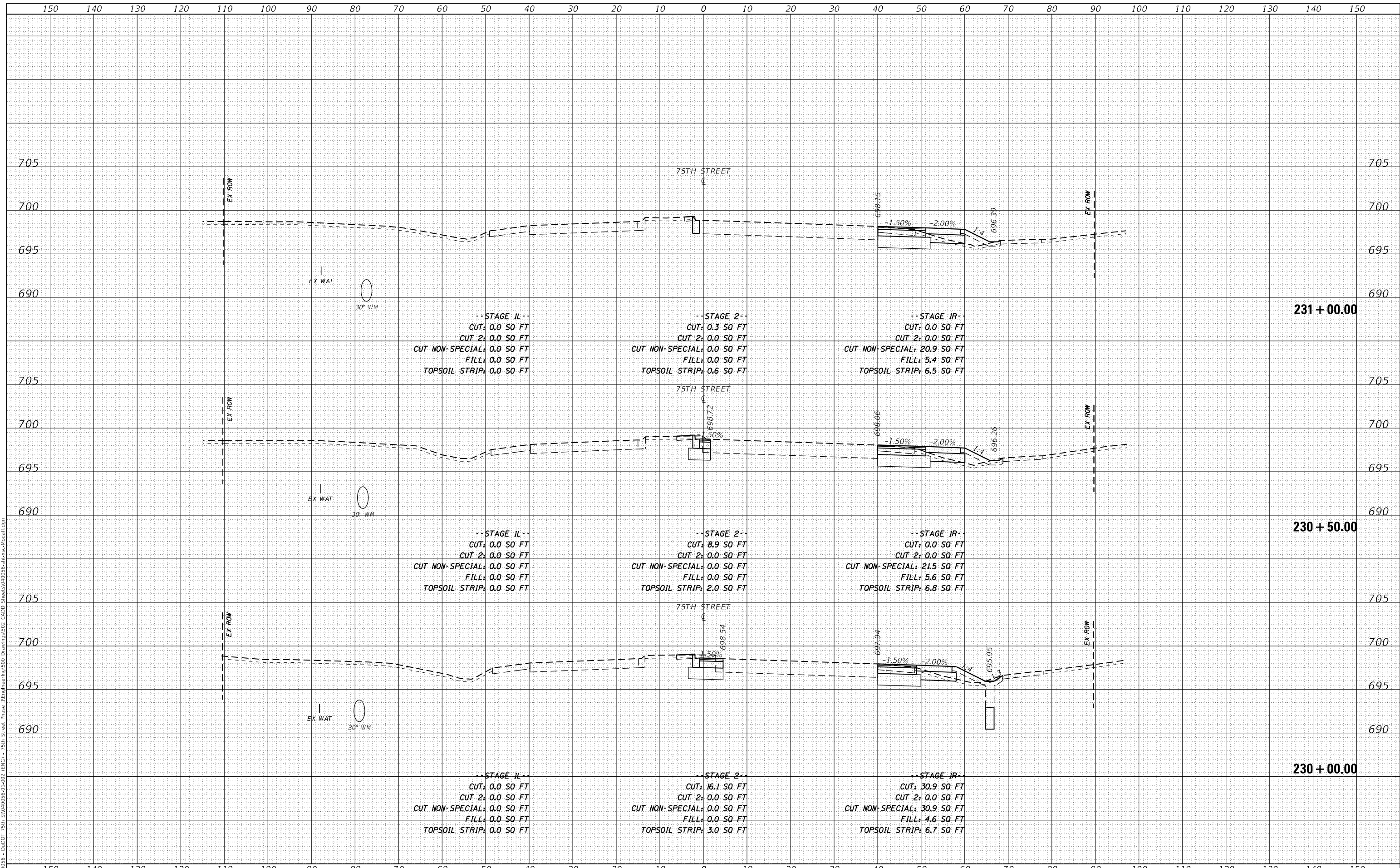
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	178
			CONTRACT NO. 61H29	
			ILLINOIS FED. AID PROJECT	



DATE	
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TEMPLATE	
NOTE BOOK	
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NOTE BOOK	
AREAS CHECKED	

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**STATE OF ILLINOIS  
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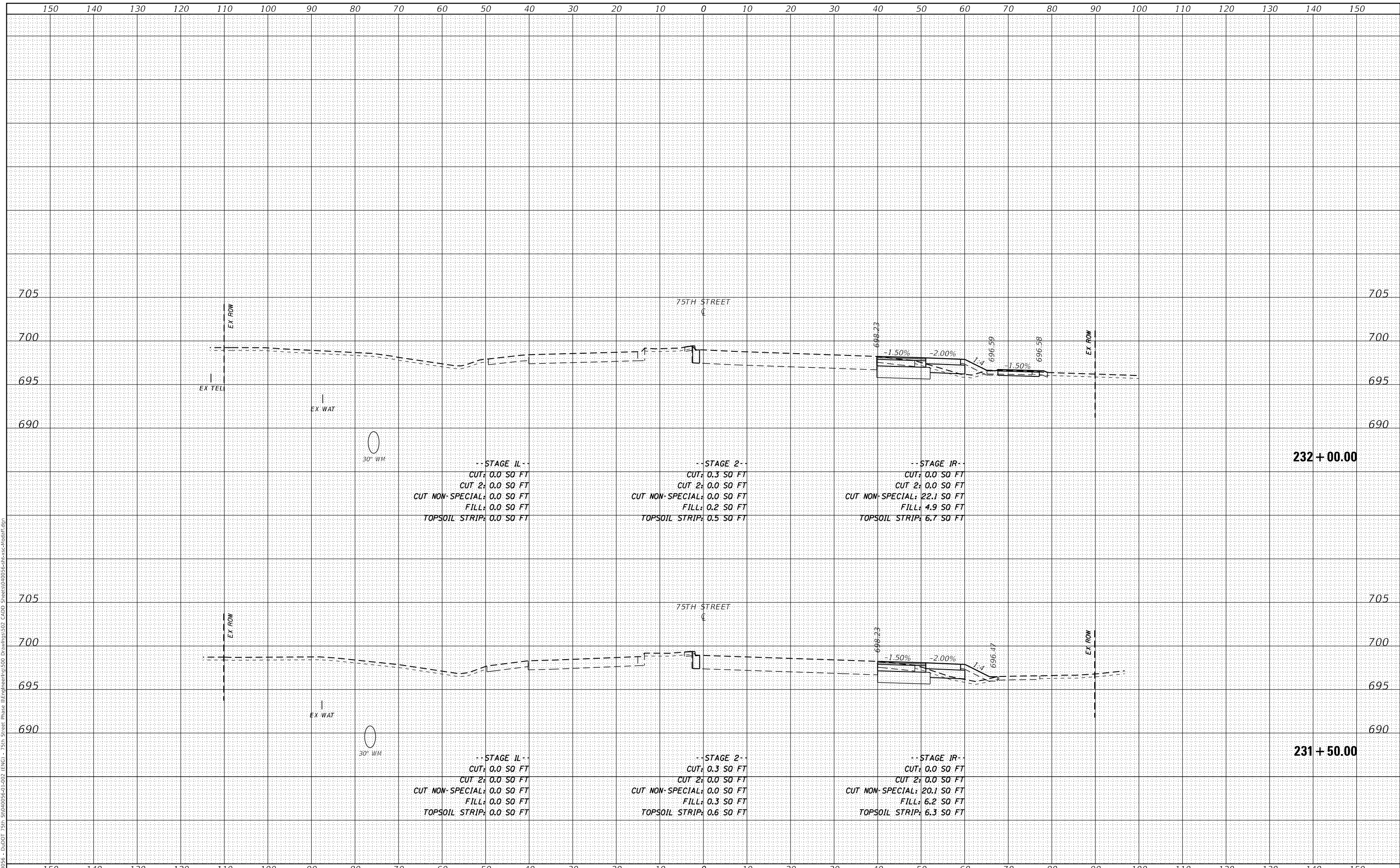
**CROSS SECTIONS  
 75TH STREET AT MODAFF ROAD**  
 SCALE: 1"=10'H; 1"=5'V SHEET 4 OF 14 SHEETS STA. 230+00.00 TO STA. 231+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	179
CONTRACT NO. 61H29			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
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MODEL: Definit  
 FILE NAME: P:\040056 - D:\DOT 75th St\040056-01-02 (ENG) - 75th Street Phase III\Engineering\300 Drawings\302 CADD Sheets\040056-01-02-04-01.dgn



--STAGE II--  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 0.0 SQ FT

--STAGE 2--  
 CUT: 0.3 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.2 SQ FT  
 TOPSOIL STRIP: 0.5 SQ FT

--STAGE IR--  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 22.1 SQ FT  
 FILL: 4.9 SQ FT  
 TOPSOIL STRIP: 6.7 SQ FT

--STAGE II--  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.0 SQ FT  
 TOPSOIL STRIP: 0.0 SQ FT

--STAGE 2--  
 CUT: 0.3 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 0.0 SQ FT  
 FILL: 0.3 SQ FT  
 TOPSOIL STRIP: 0.6 SQ FT

--STAGE IR--  
 CUT: 0.0 SQ FT  
 CUT 2: 0.0 SQ FT  
 CUT NON-SPECIAL: 20.1 SQ FT  
 FILL: 6.2 SQ FT  
 TOPSOIL STRIP: 6.3 SQ FT



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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

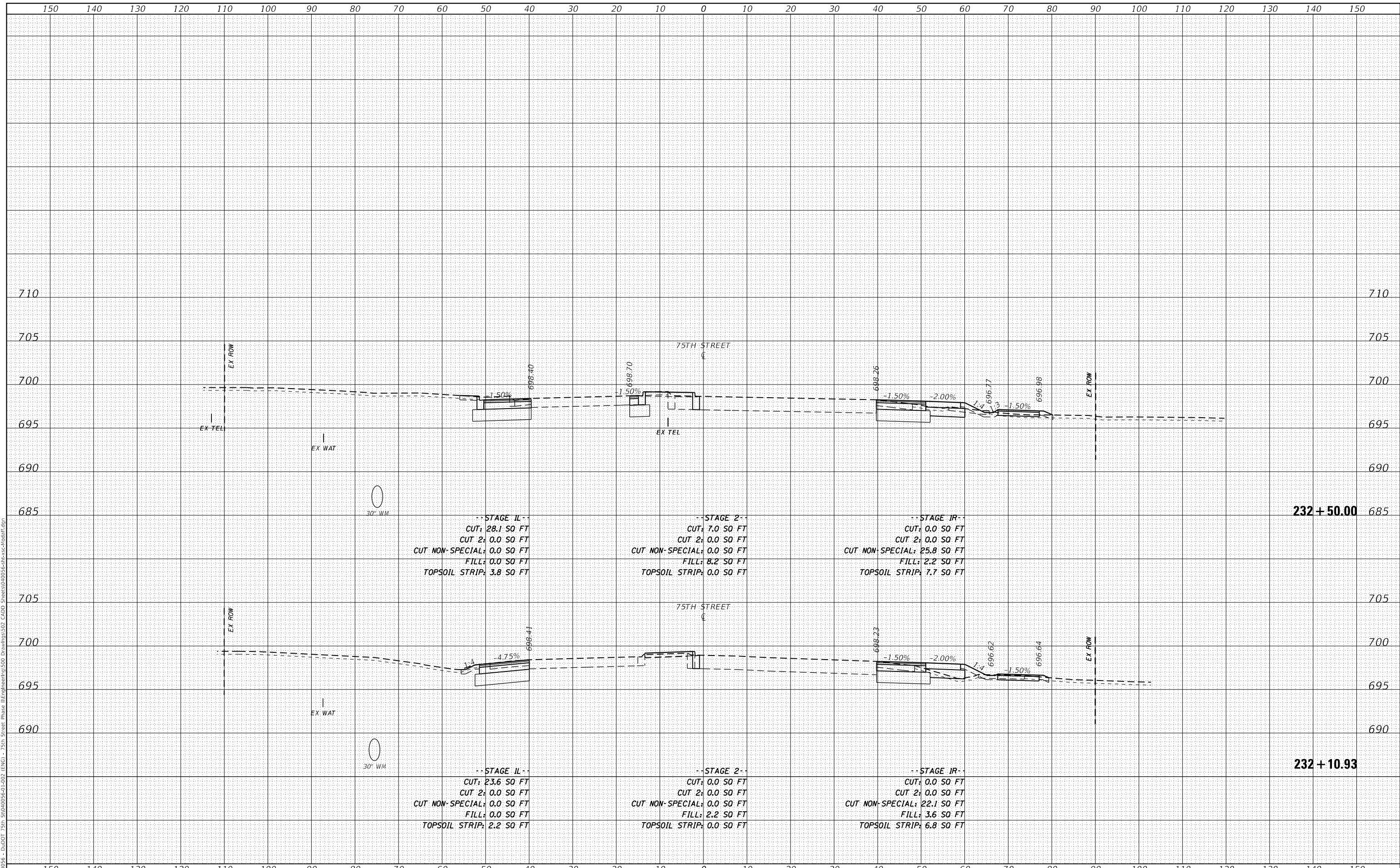
CROSS SECTIONS			
75TH STREET AT MODAFF ROAD			
SCALE: 1"=10'H; 1"=5'V	SHEET 5	OF 14 SHEETS	STA. 231+50.00 TO STA. 232+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	180
CONTRACT NO. 61H29				
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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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

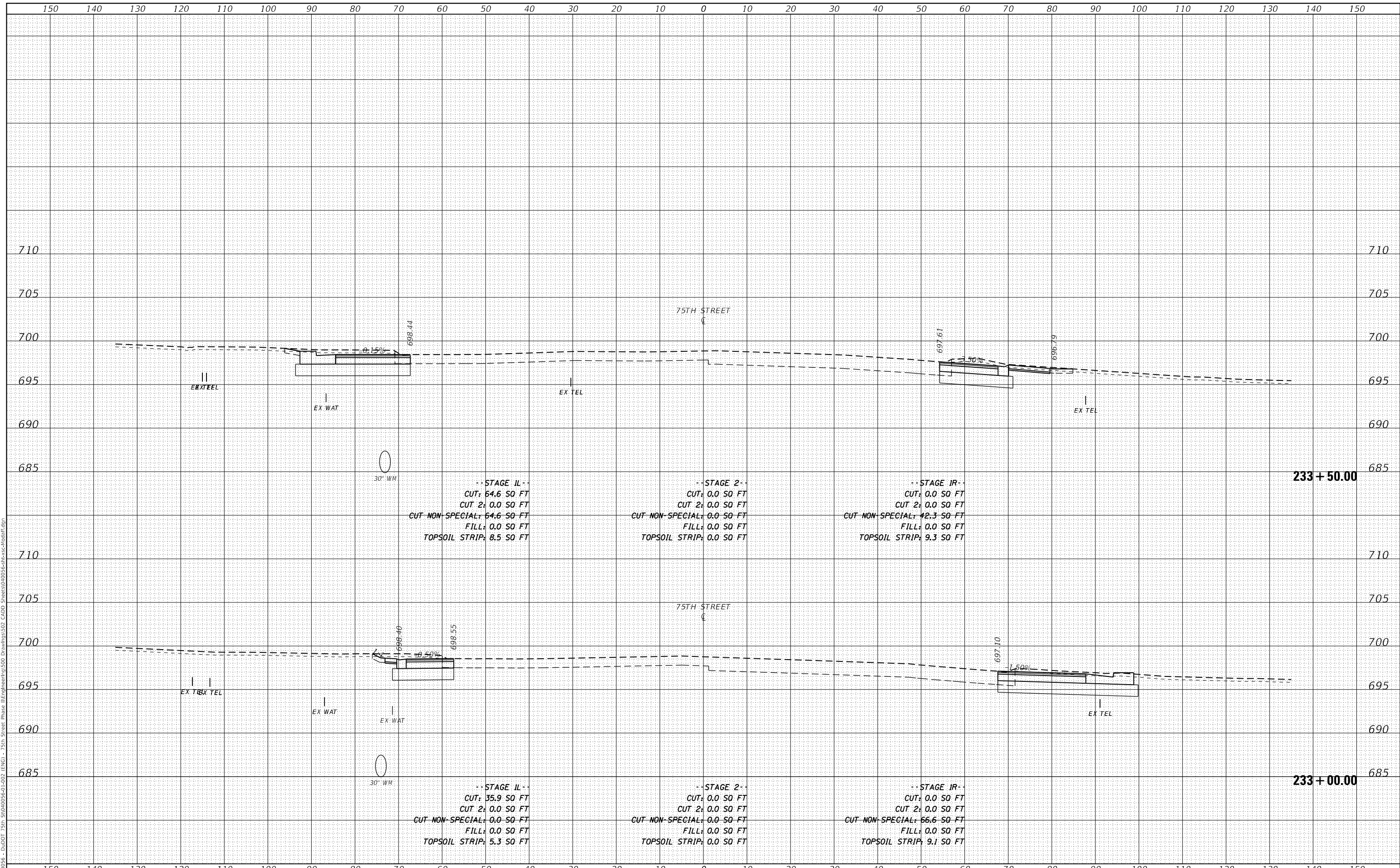
**CROSS SECTIONS  
 75TH STREET AT MODAFF ROAD**  
 SCALE: 1"=10'H; 1"=5'V SHEET 6 OF 14 SHEETS STA. 232+10.93 TO STA. 232+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	181
				CONTRACT NO. 61H29
		ILLINOIS	FED. AID PROJECT	

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 7	OF 14 SHEETS	STA. 233+00.00 TO STA. 233+50.00

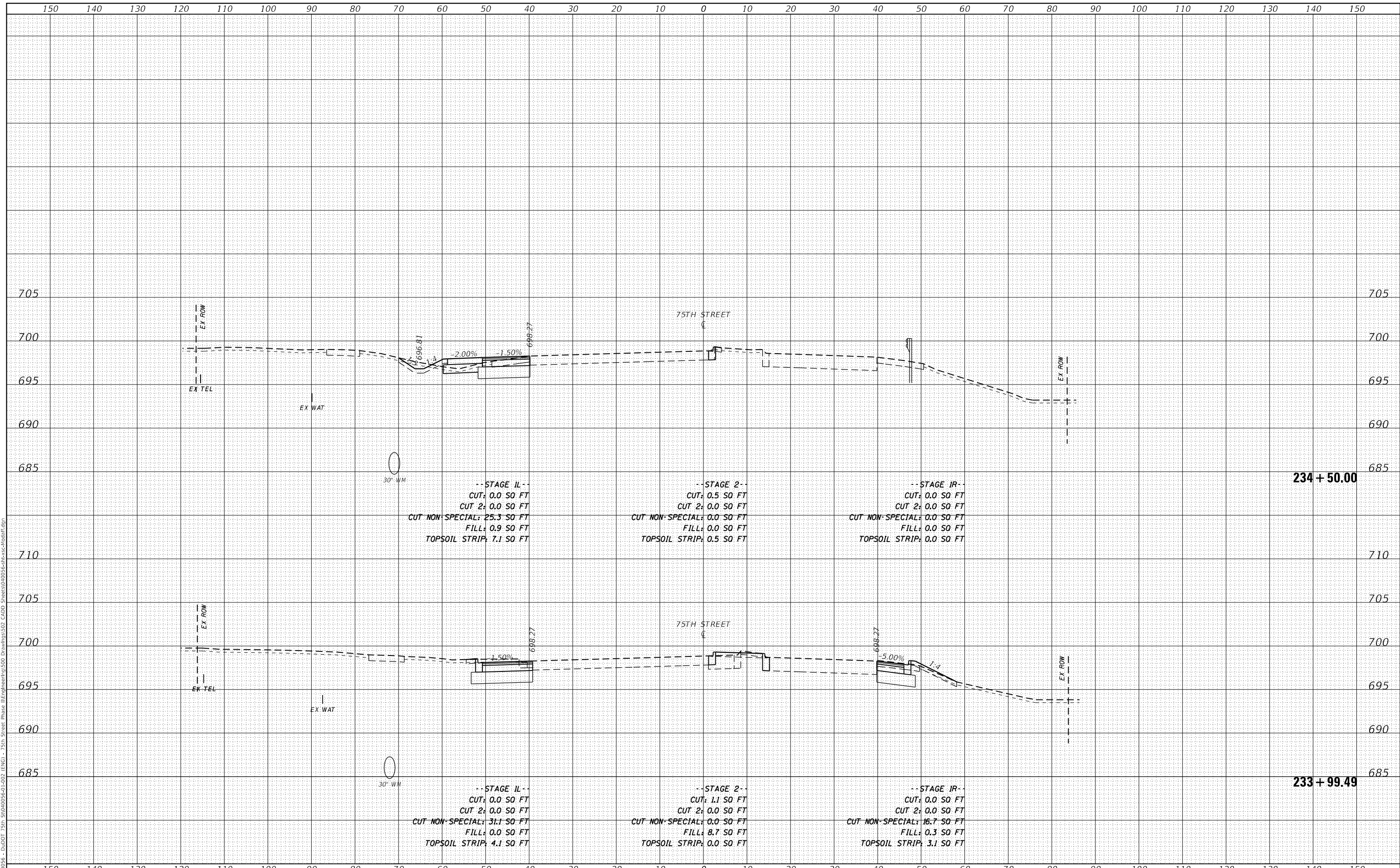
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	182
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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MODEL: Definit  
 FILE NAME: P:\04056-01-02 (ENGR) - 75th Street Phase III\Engineering\300 Drawings\302 CADD Sheets\04056-01-02-enr-302-302a.dgn



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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

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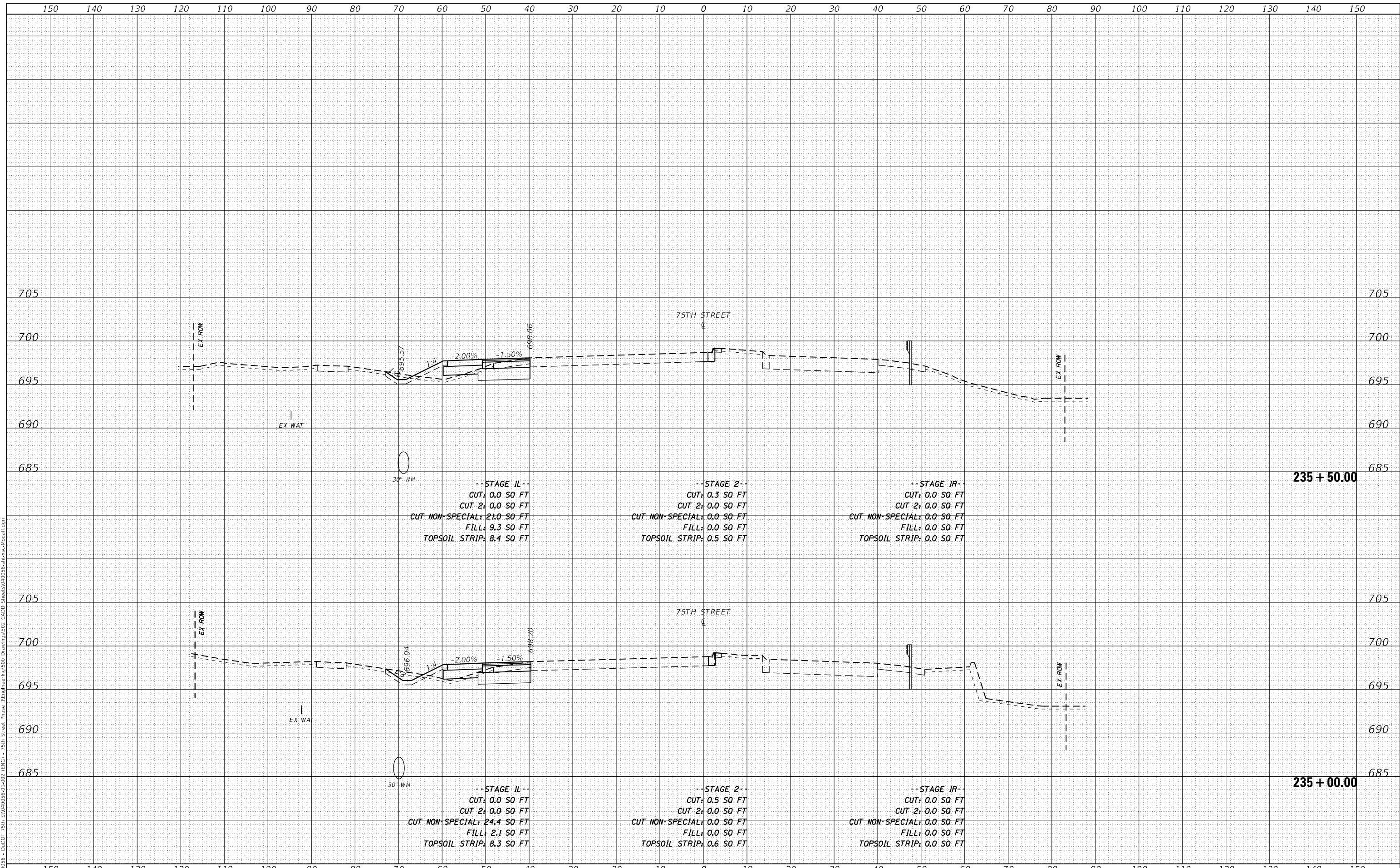
<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 8	OF 14 SHEETS	STA. 233+99.49 TO STA. 234+50.00

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 183
ILLINOIS			CONTRACT NO. 61H29	
FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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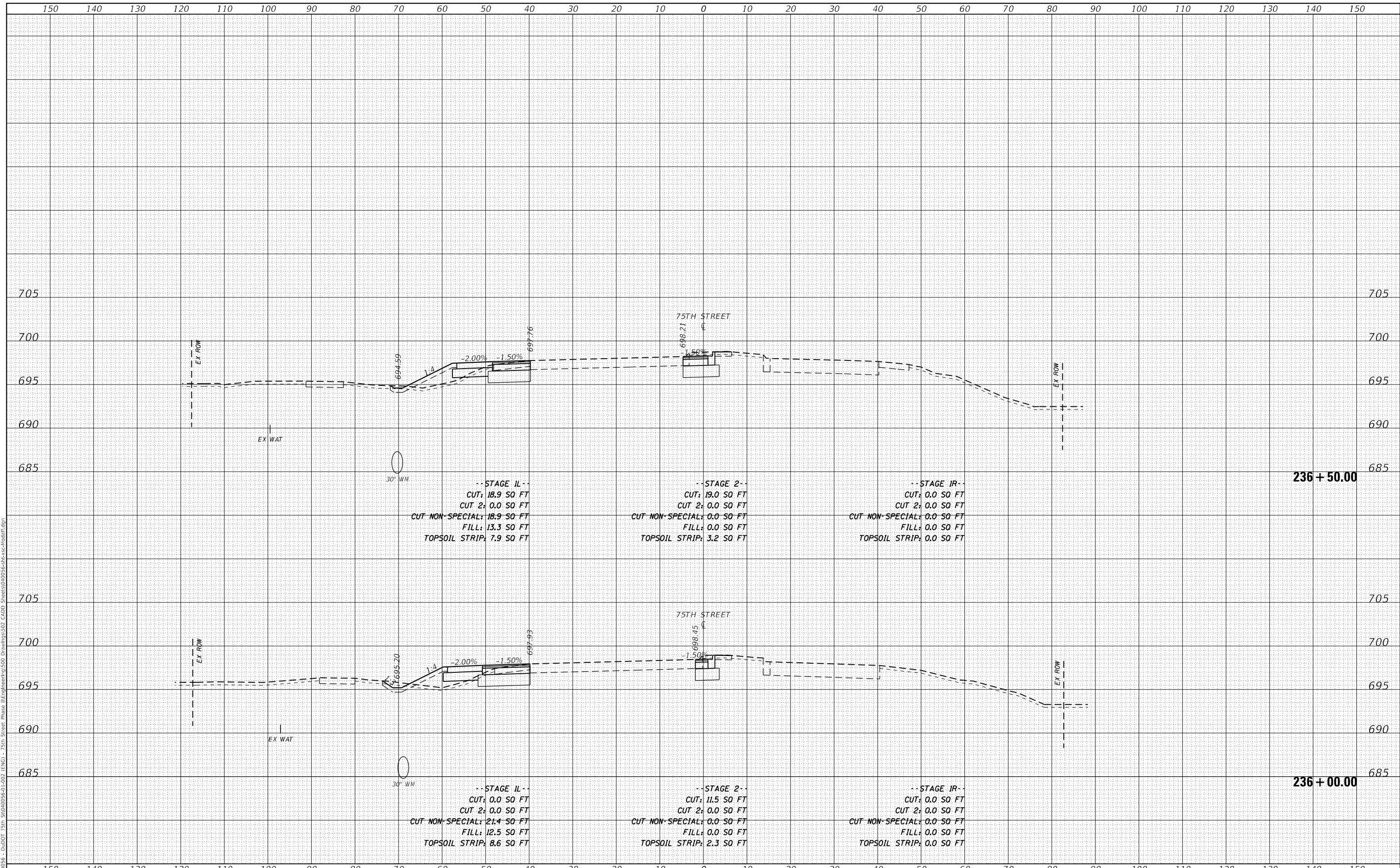
**CROSS SECTIONS  
 75TH STREET AT MODAFF ROAD**  
 SCALE: 1"=10'H; 1"=5'V SHEET 9 OF 14 SHEETS STA. 235+00.00 TO STA. 235+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	184
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 10	OF 14 SHEETS	STA. 236+00.00 TO STA. 236+50.00

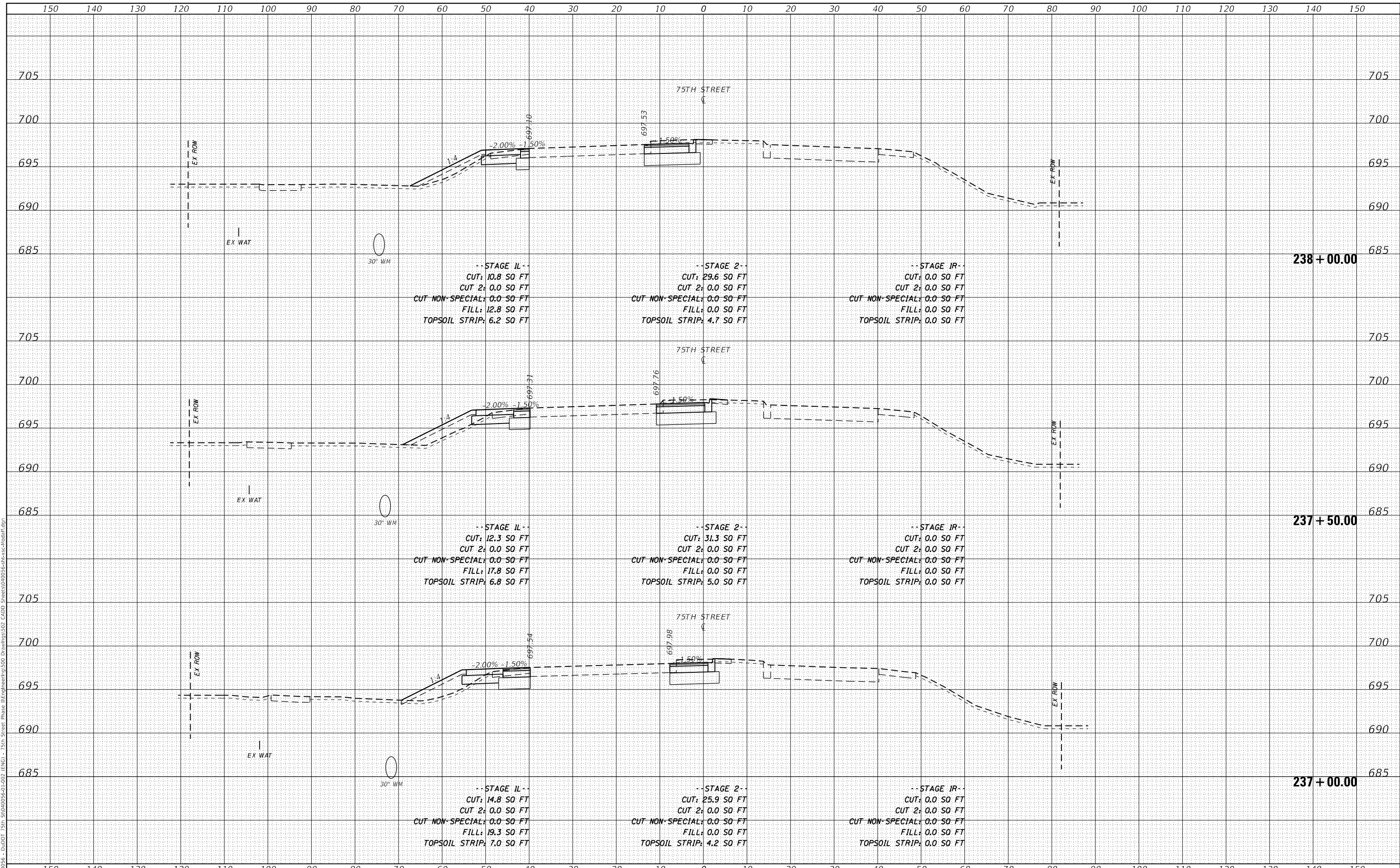
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P		215	185
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT



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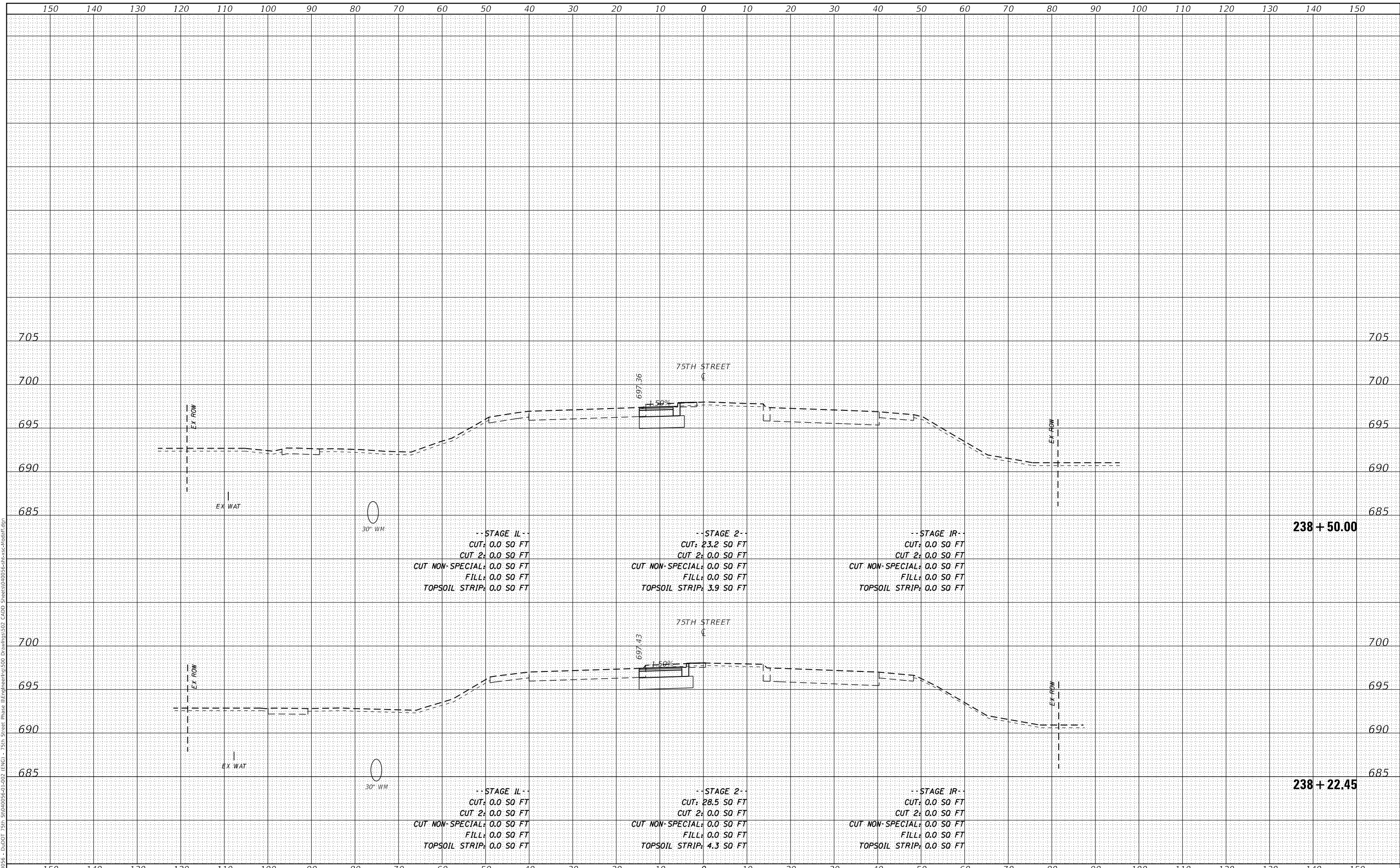
<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 11	OF 14 SHEETS	STA. 237+00.00 TO STA. 238+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	186
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

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NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 75TH STREET AT MODAFF ROAD**

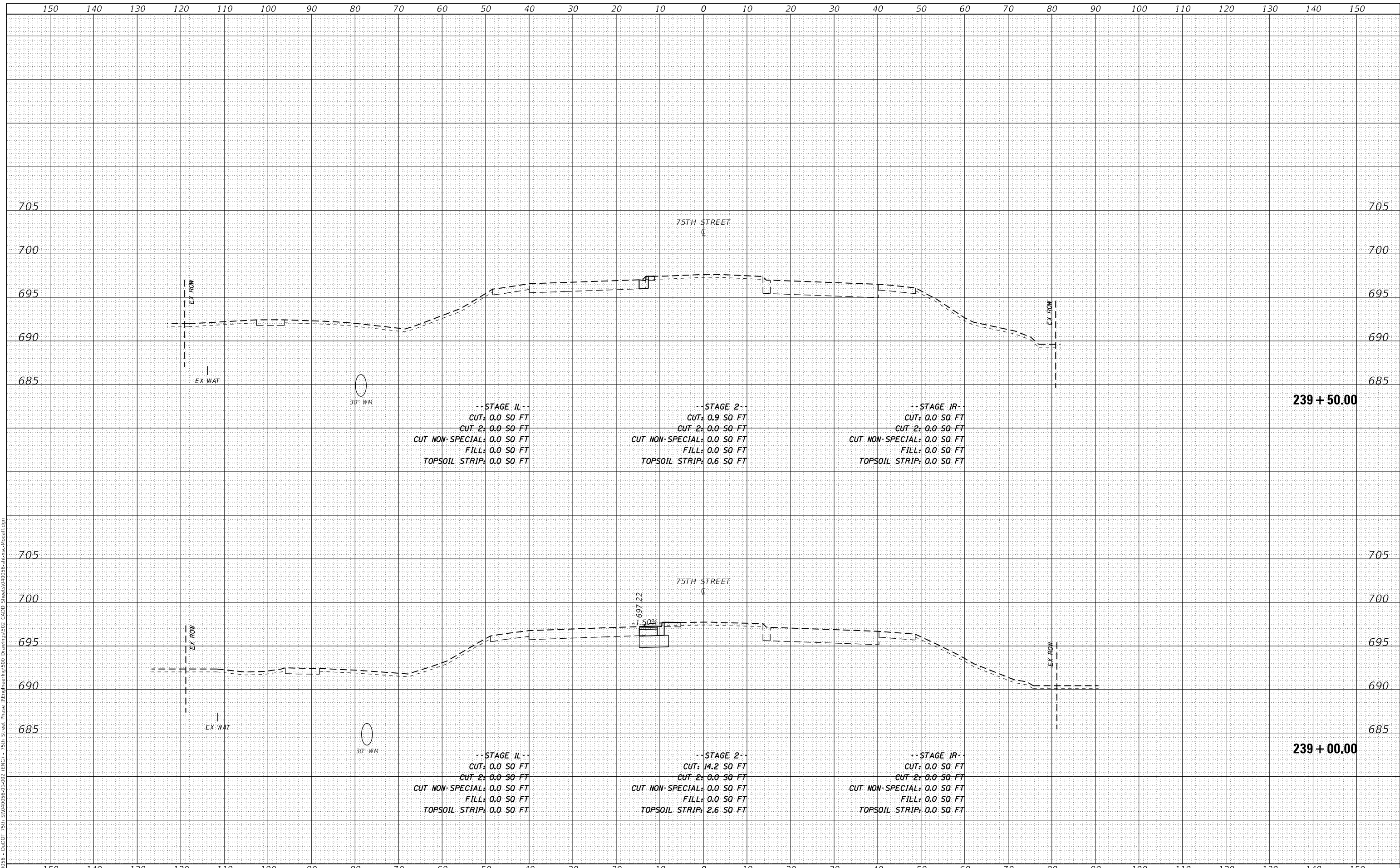
SCALE: 1"=10'H; 1"=5'V SHEET 12 OF 14 SHEETS STA. 238+22.45 TO STA. 238+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	187
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				

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

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PLOT DATE	= 11/3/2021	DATE	-	REVISED	-

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DEPARTMENT OF TRANSPORTATION**

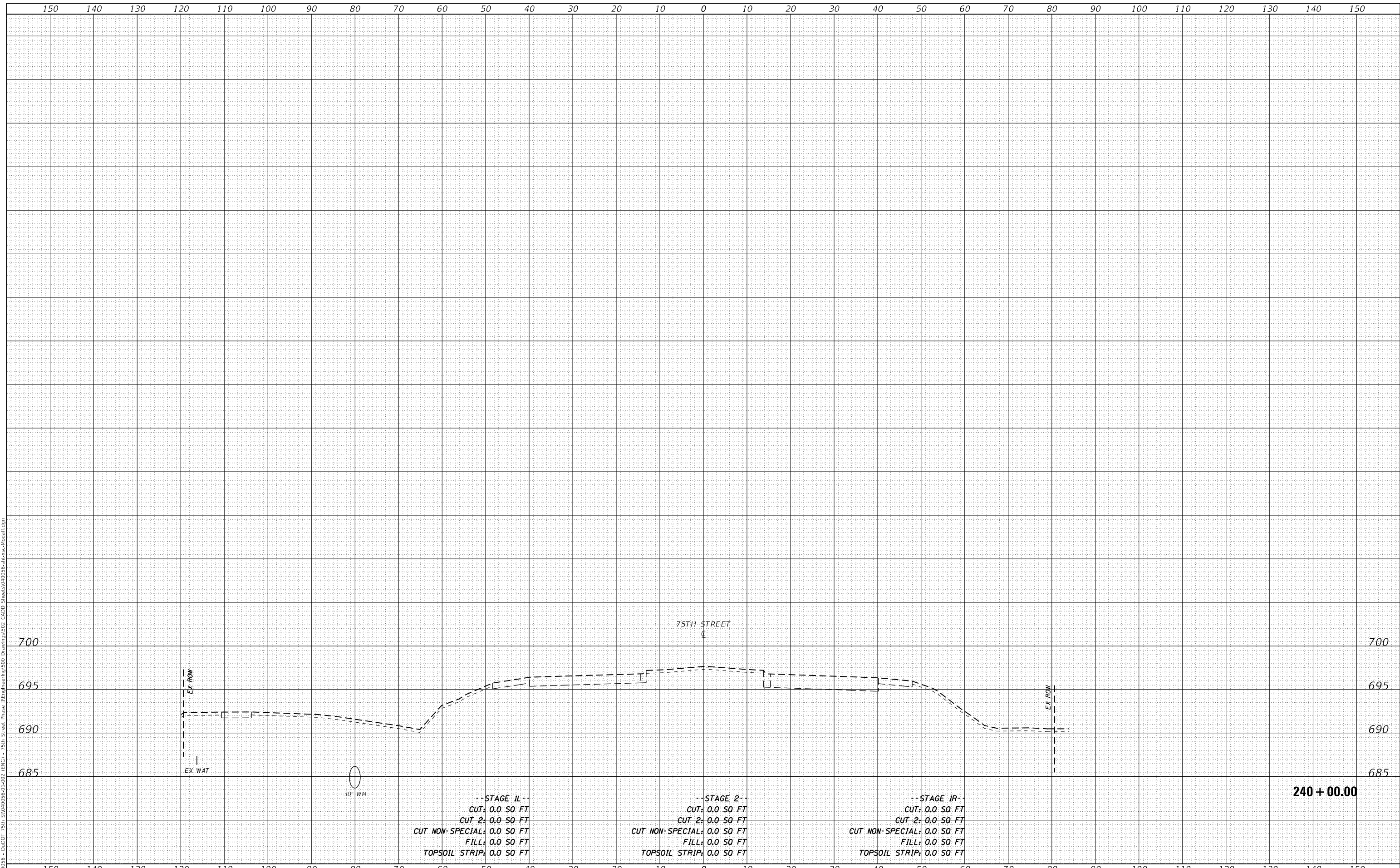
<b>CROSS SECTIONS 75TH STREET AT MODAFF ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 13	OF 14 SHEETS	STA. 239+00.00 TO STA. 239+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	188
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED	DATE
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ORIGINAL SURVEY NO.	SURVEYED	DATE
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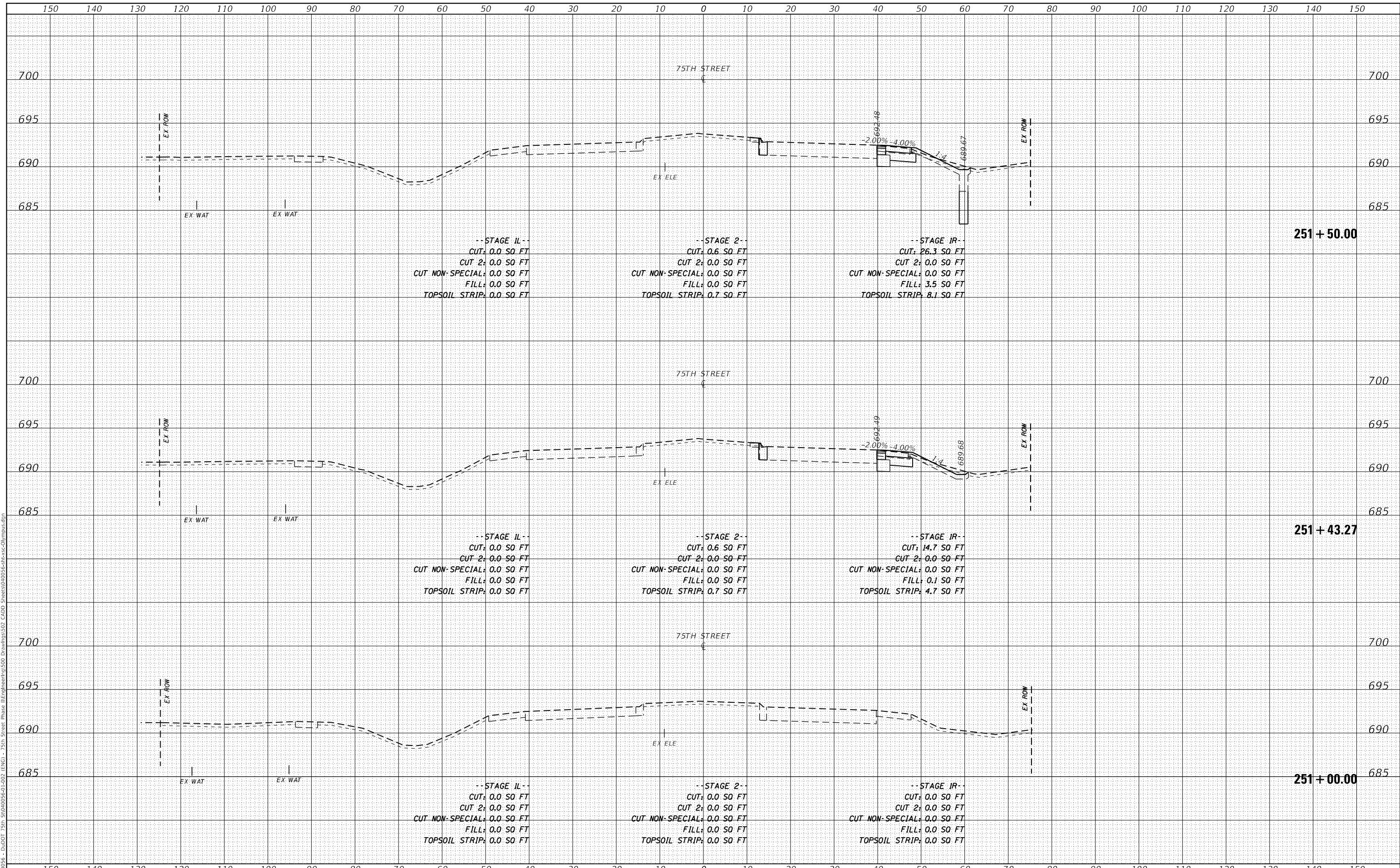
CROSS SECTIONS			
75TH STREET AT MODAFF ROAD			
SCALE: 1"=10'H; 1"=5'V	SHEET 14	OF 14 SHEETS	STA. 240+00.00 TO STA. 240+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	189
				CONTRACT NO. 61H29
				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
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	AREAS CHECKED

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PLOT DATE	= 11/3/2021	DATE	-	REVISED	-

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<b>CROSS SECTIONS</b>	
<b>75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 1 OF 11 SHEETS
STA. 251+00.00	TO STA. 251+50.00

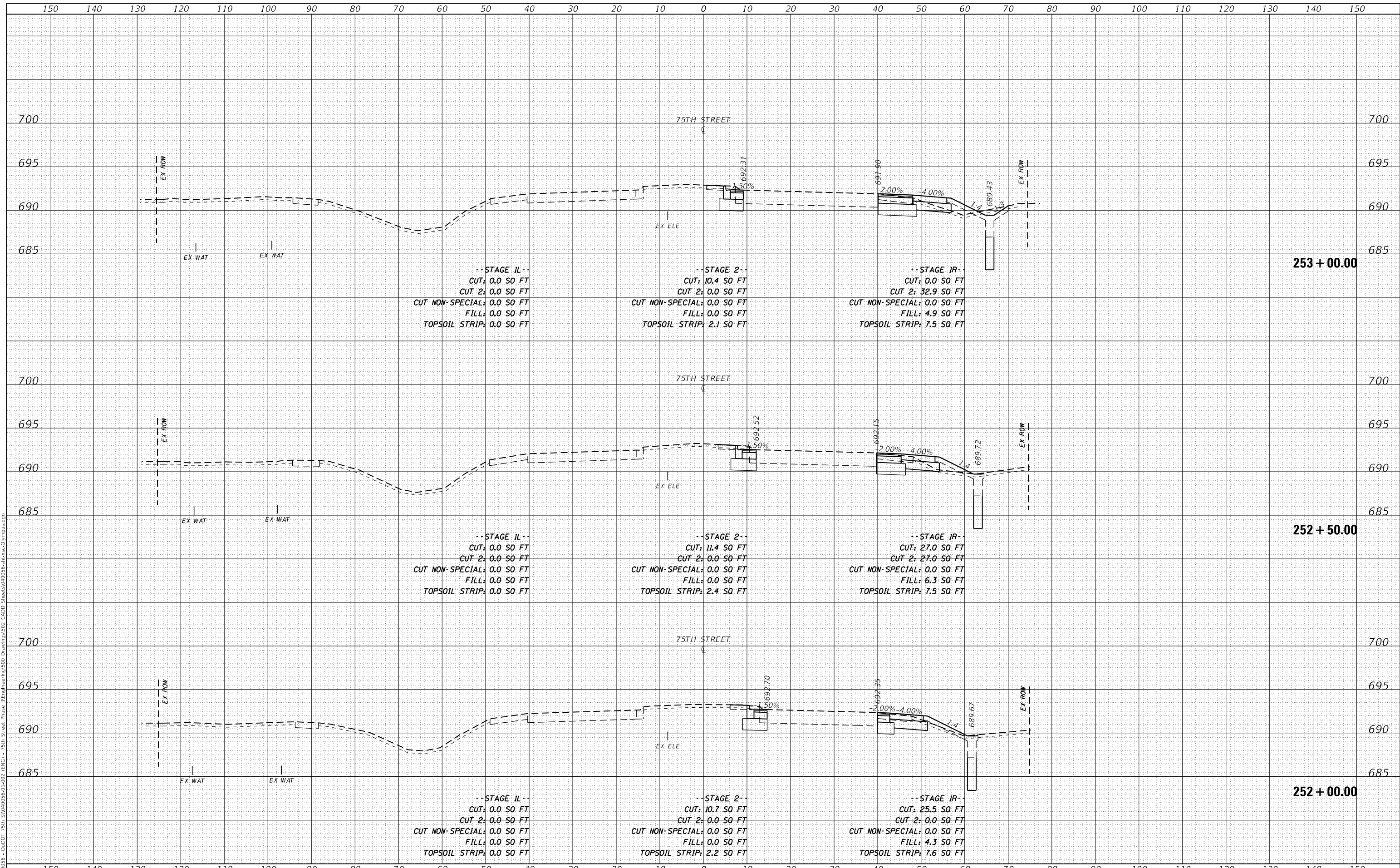
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	190
			CONTRACT NO. 61H29	
		ILLINOIS	FED. AID PROJECT	



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FINAL SURVEY	
NOTE BOOK	
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

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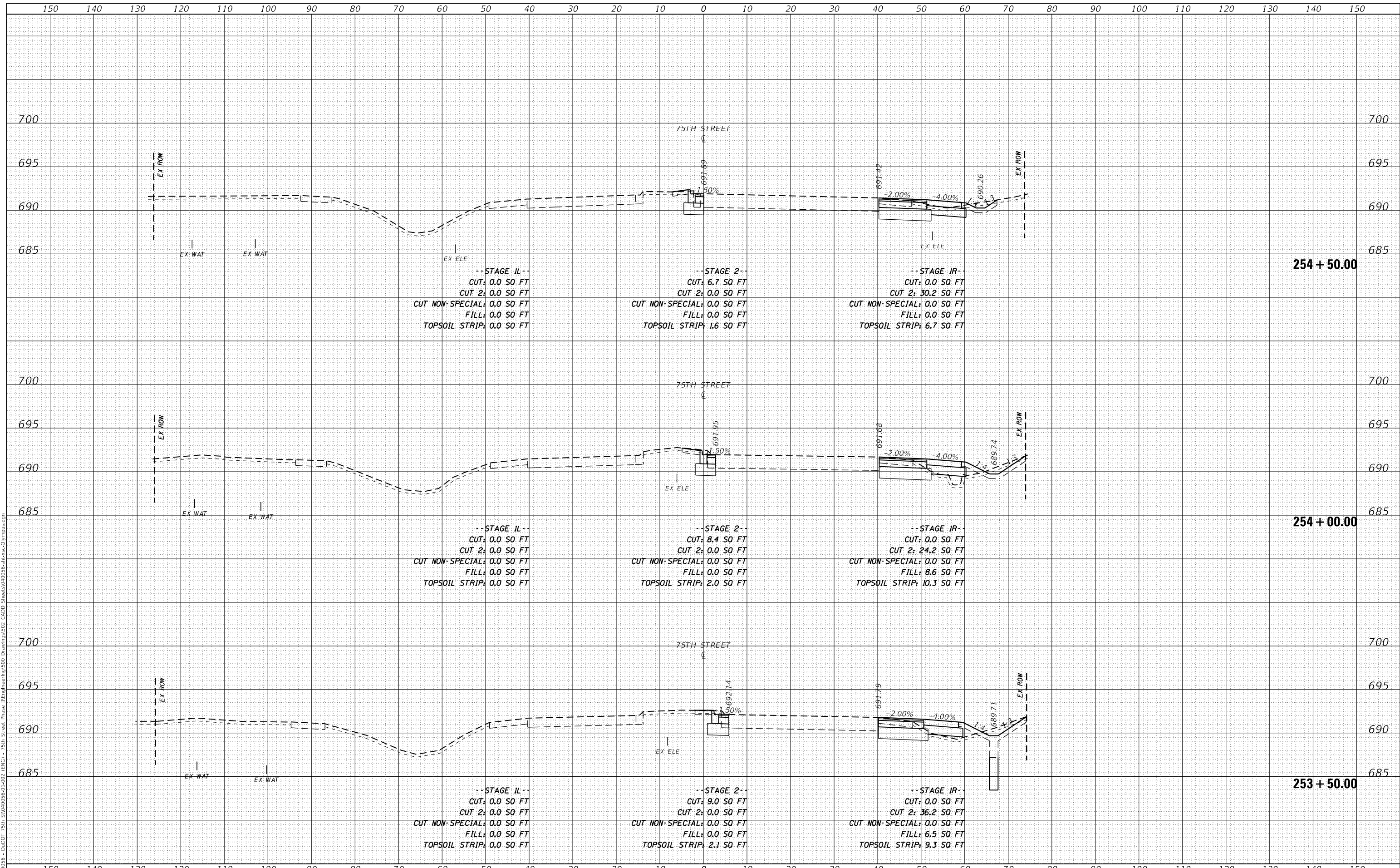
<b>CROSS SECTIONS</b>	
<b>75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 2 OF 11 SHEETS
STA. 252+00.00	TO STA. 253+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	191
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

DATE	
BY	
SURVEYED	
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AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
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MODEL: Definit  
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET AT OLYMPUS DRIVE</b>		
SCALE: 1"=10'H; 1"=5'V	SHEET 3 OF 11 SHEETS	STA. 253+50.00 TO STA. 254+50.00

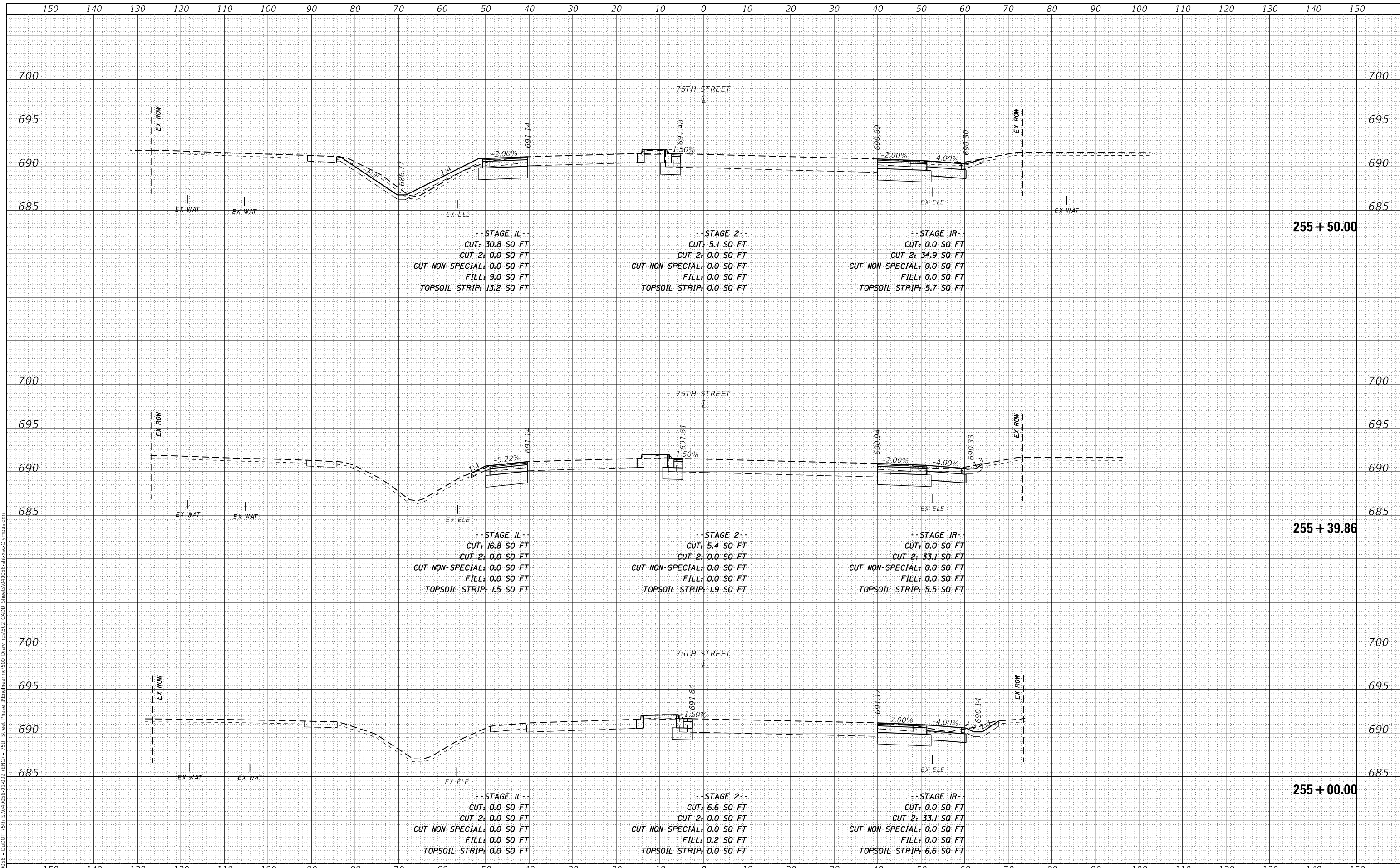
F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 192
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	



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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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PLOT SCALE	= 20.0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 11/3/2021	DATE	-	REVISED	-

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DEPARTMENT OF TRANSPORTATION**

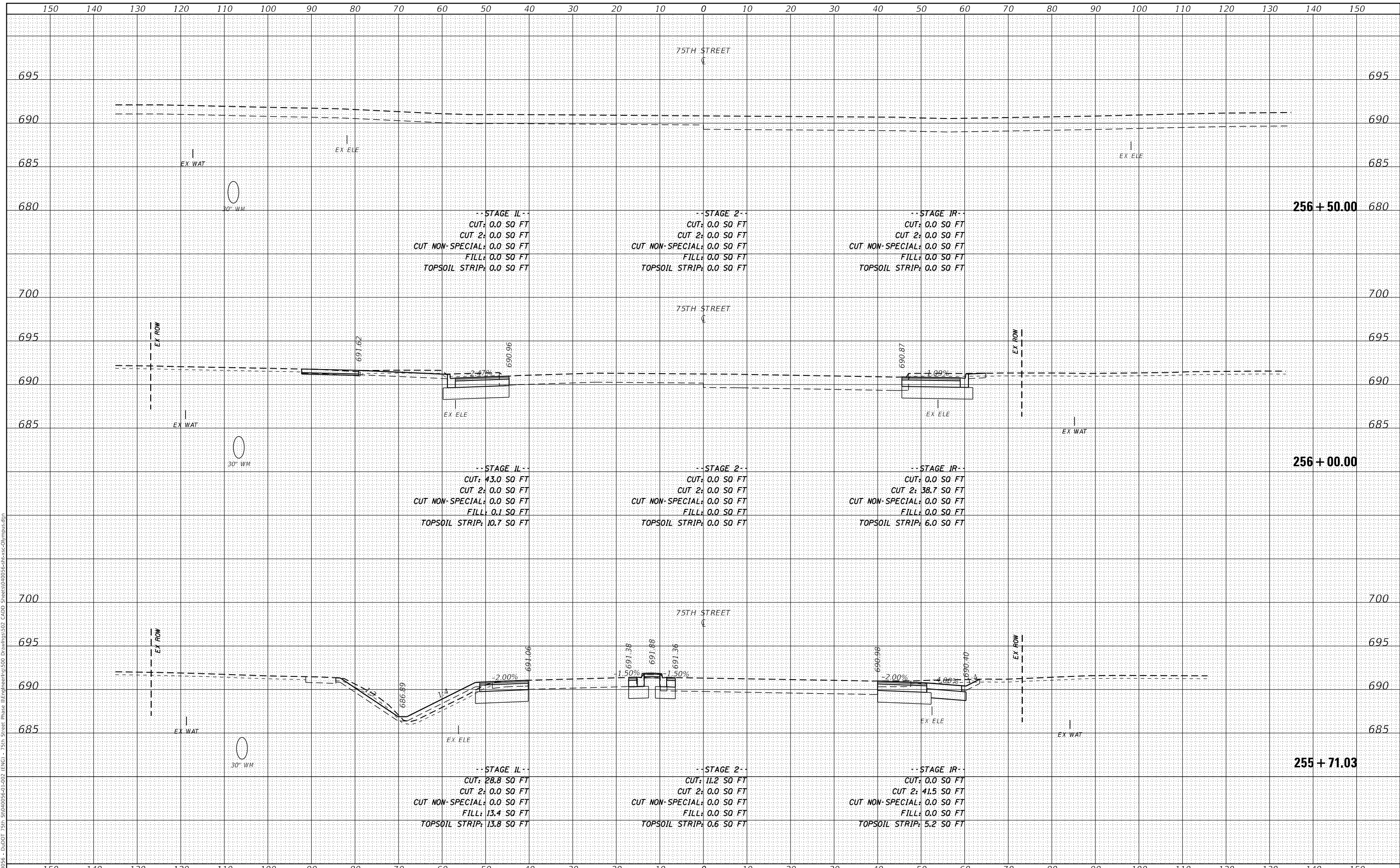
<b>CROSS SECTIONS 75TH STREET AT OLYMPUS DRIVE</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 4	OF 11 SHEETS	STA. 255+00.00 TO STA. 255+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	193
			CONTRACT NO. 61H29	
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
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	AREAS CHECKED

MODEL: Definit  
 FILE NAME: P:\040056 - DuDOT 75th Street Phase II\Engineering\300 Drawings\302 CADD Sheets\040056-st-sec-01\mpus.dgn



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

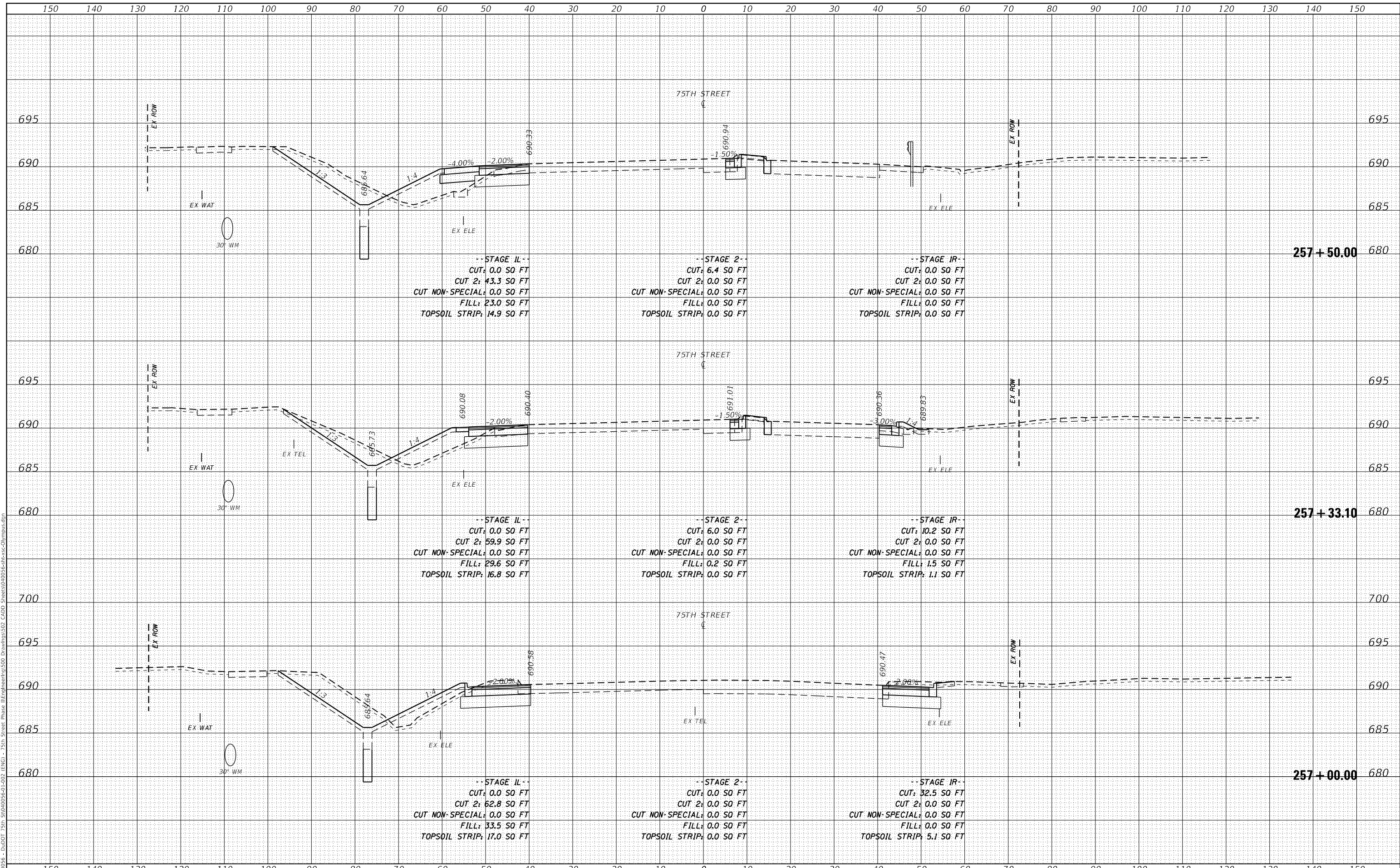
<b>CROSS SECTIONS 75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 5 OF 11 SHEETS
STA. 255+71.03	TO STA. 256+50.00

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 194
ILLINOIS			FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

MODEL: Definit  
 FILE NAME: P:\040056 - D:\DOT 75th St\040056-01-02 (ENGI) - 75th Street Phase III\Engineering\300 Drawings\302 CADD Sheets\040056-enr-sec-01\mpus.dgn



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

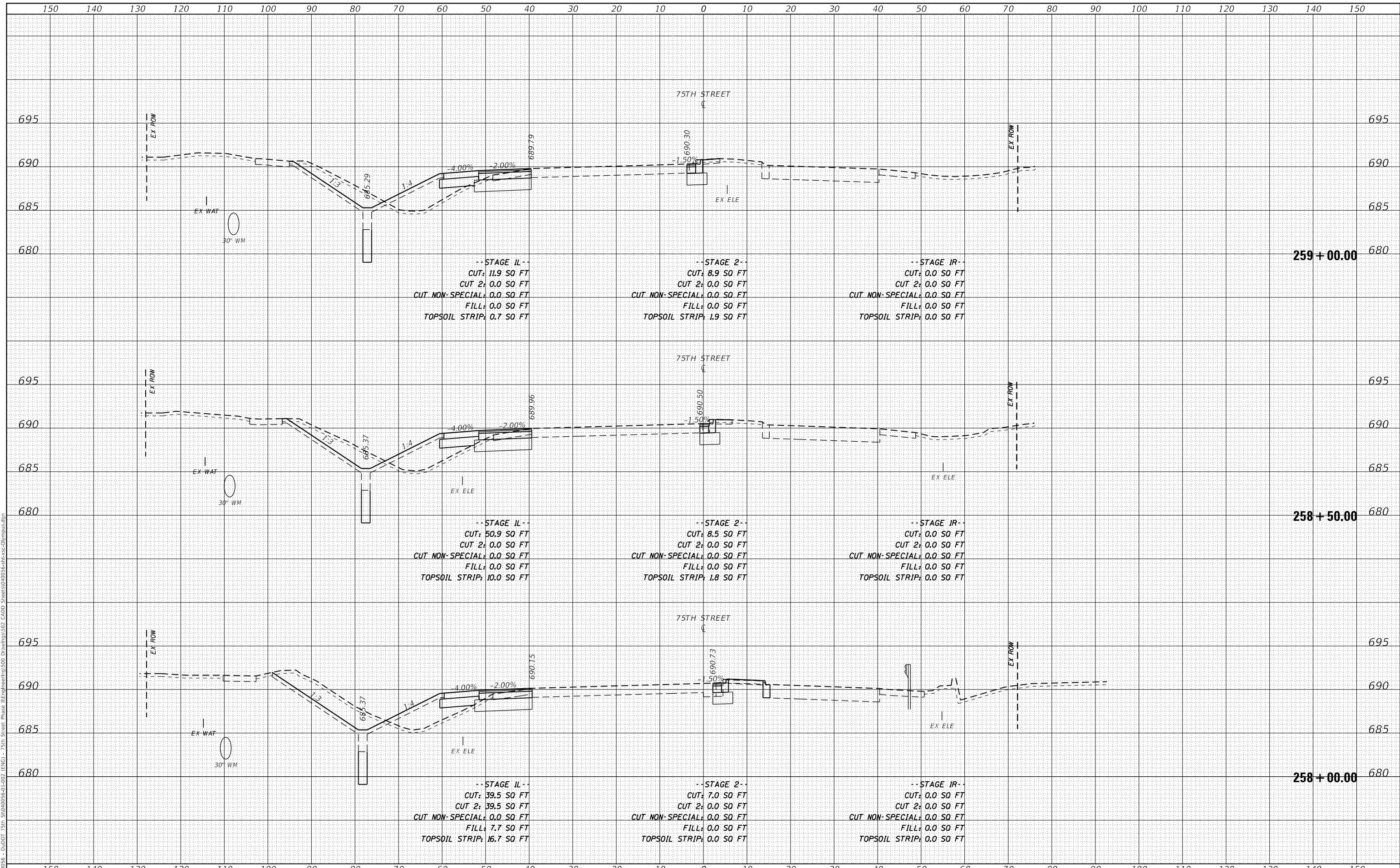
<b>CROSS SECTIONS 75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 6 OF 11 SHEETS
STA. 257+00.00	TO STA. 257+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	195
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

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

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

MODEL: Definit  
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USER NAME	= kberry	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 20.0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 11/3/2021	DATE	-	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
<b>75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 7 OF 11 SHEETS
STA. 258+00.00	TO STA. 259+00.00

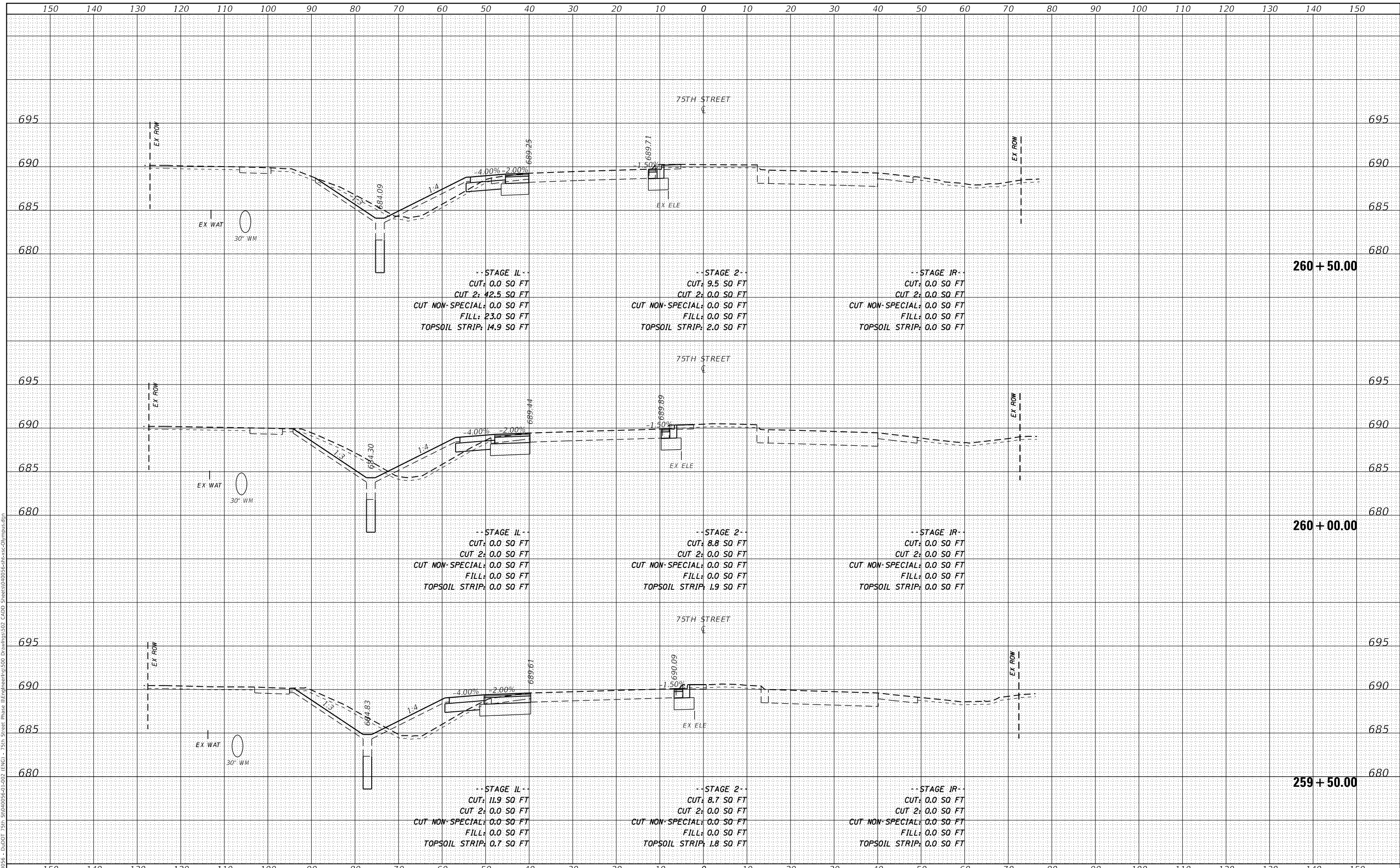
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	196
ILLINOIS			FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Definit  
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

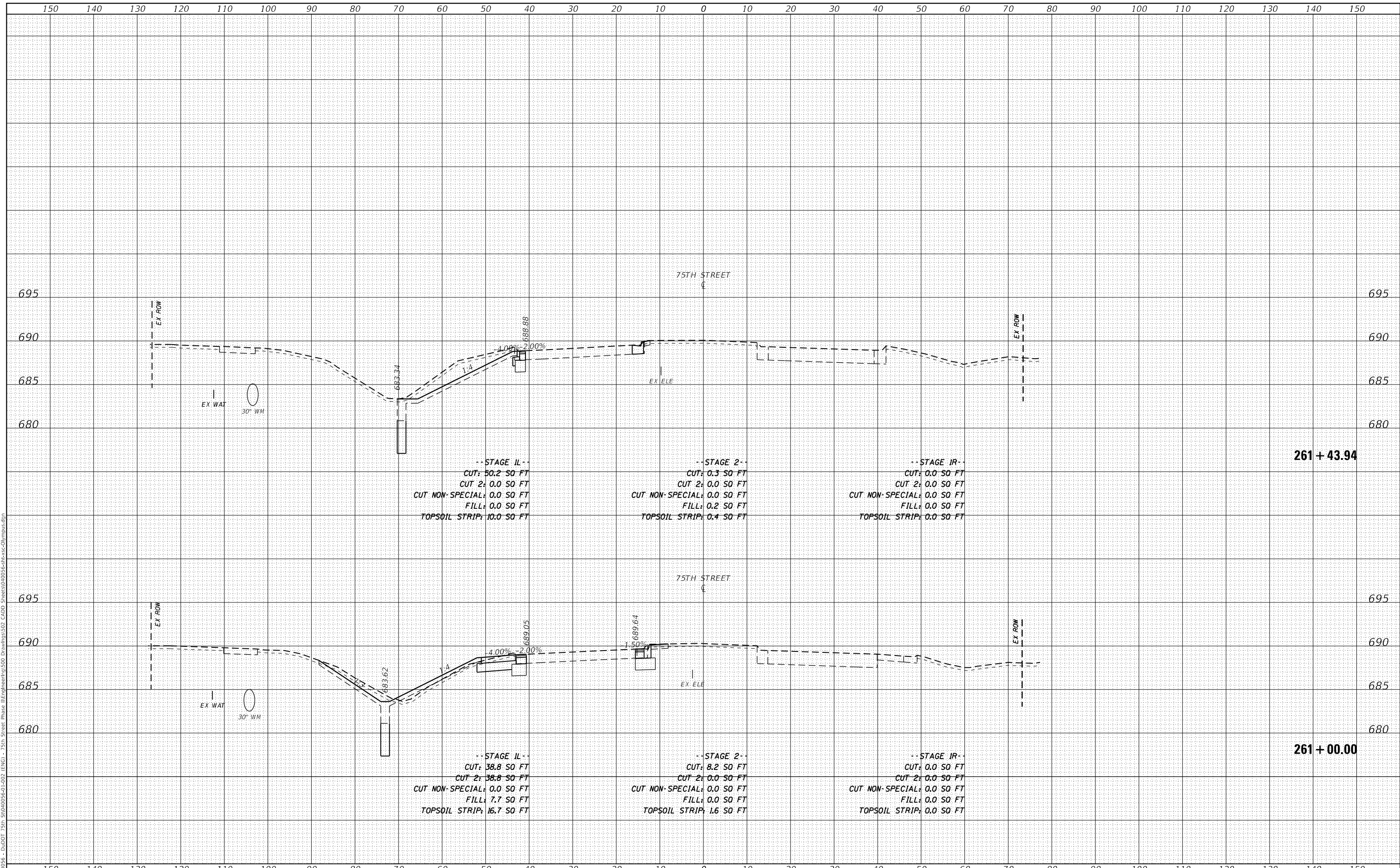
<b>CROSS SECTIONS</b>	
<b>75TH STREET AT OLYMPUS DRIVE</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 8 OF 11 SHEETS
STA. 259+50.00	TO STA. 260+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	197
			CONTRACT NO. 61H29	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
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 311 S. Wacker Drive, Suite 1950  
 Chicago, Illinois 60606  
 312-574-0360  
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

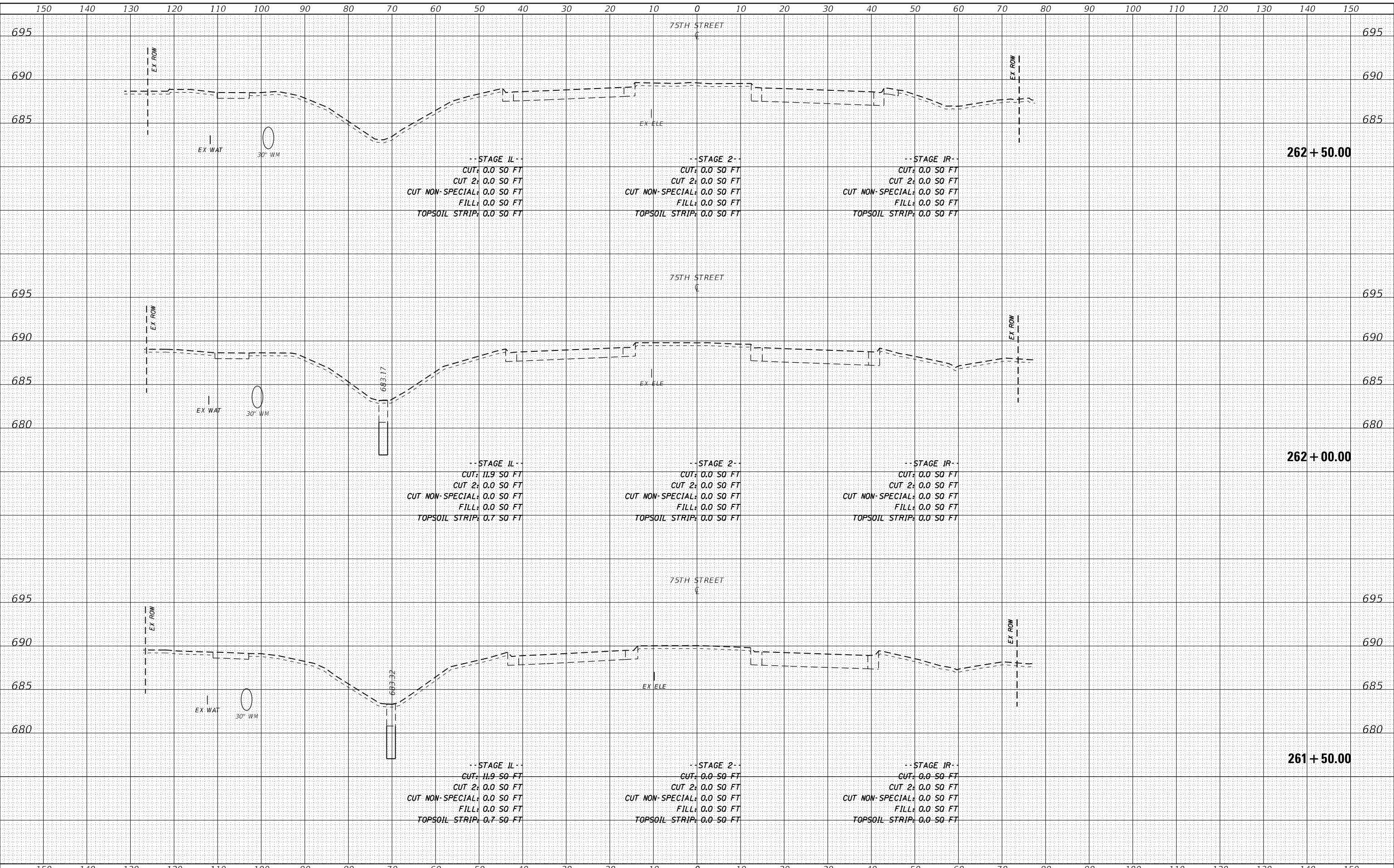
<b>CROSS SECTIONS 75TH STREET AT OLYMPUS DRIVE</b>		
SCALE: 1"=10'H; 1"=5'V	SHEET 9	OF 11 SHEETS
STA. 261+00.00	TO STA. 261+43.94	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P		215	198
CONTRACT NO. 61H29				
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

MODEL: Definit  
 FILE NAME: P:\04056 - DuDOT 75th St\04056-01-02 (ENG) - 75th Street Phase III\Engineering\300 Drawings\302 CADD Sheets\04056-01-02-01.dwg



USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
75TH STREET AT OLYMPUS DRIVE	
SCALE: 1"=10'H; 1"=5'V	SHEET 10 OF 11 SHEETS
STA. 261+50.00	TO STA. 262+50.00

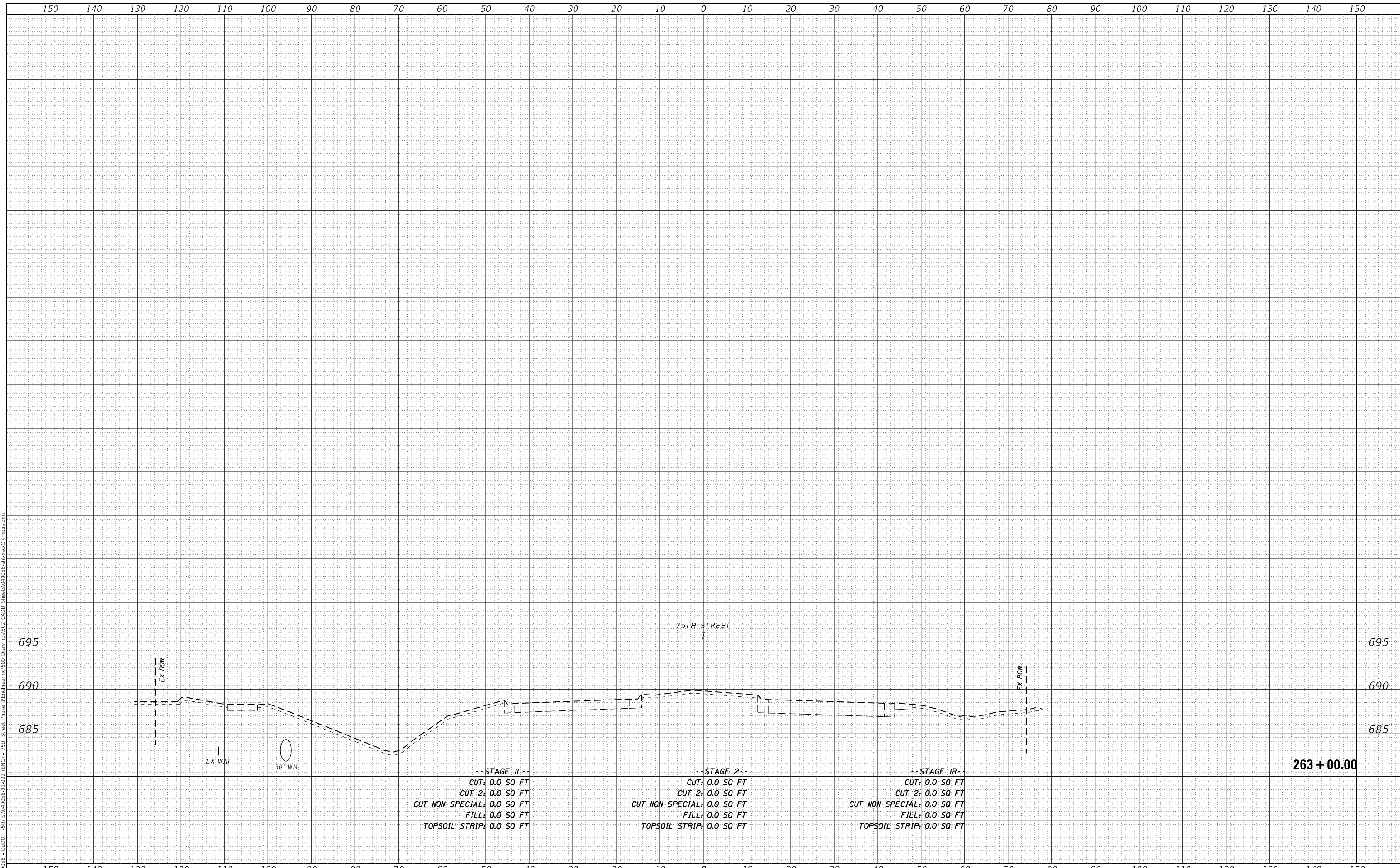
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	199
CONTRACT NO. 61H29				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: Definit  
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USER NAME = kberry  
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 PLOT SCALE = 20.0000 ' / in.  
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 PLOT DATE = 11/3/2021  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

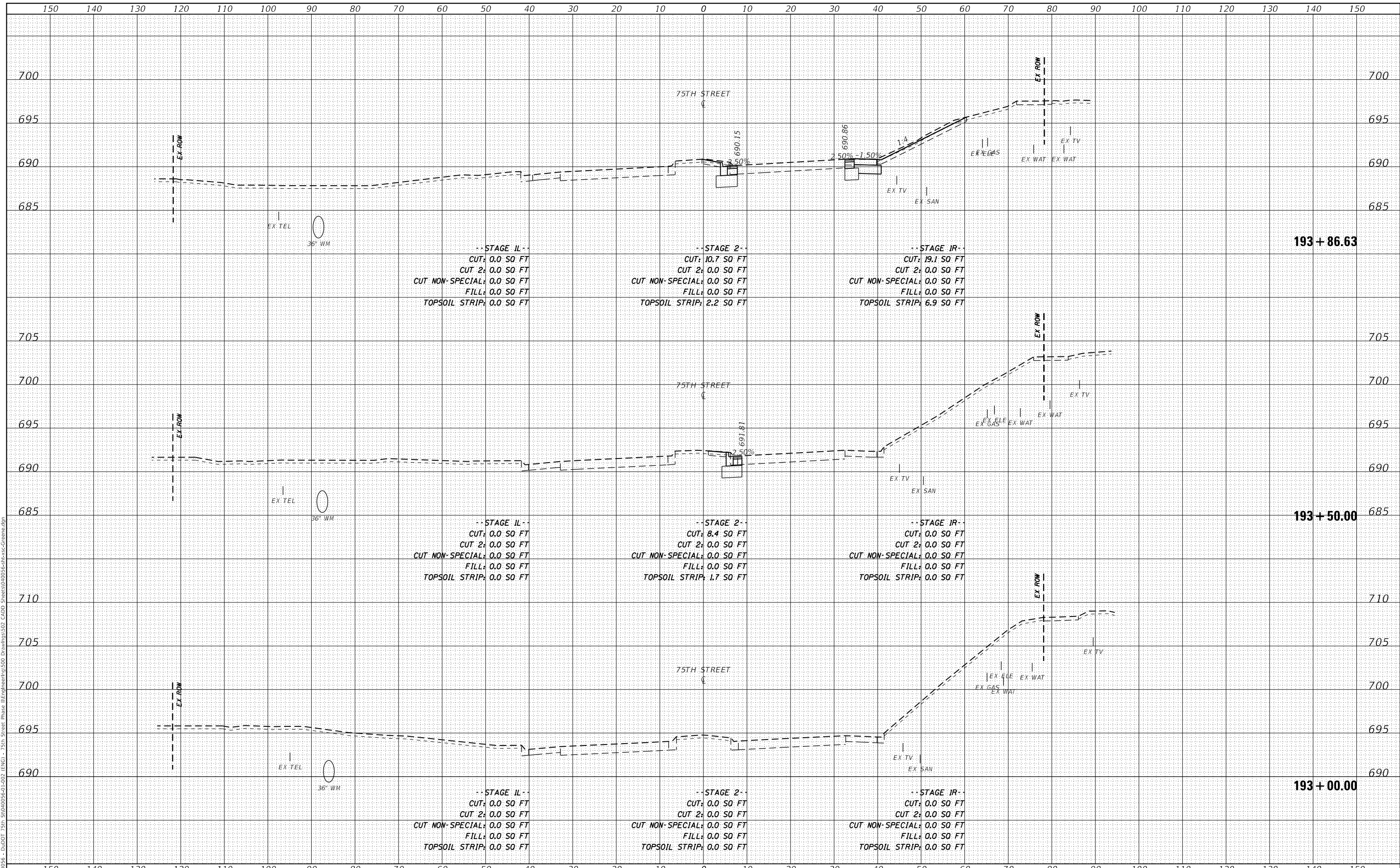
CROSS SECTIONS  
 75TH STREET AT OLYMPUS DRIVE  
 SCALE: 1"=10'H; 1"=5'V  
 SHEET 11 OF 11 SHEETS  
 STA. 263+00.00 TO STA. 263+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	200
				CONTRACT NO. 61H29
				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.	

MODEL: Definit  
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

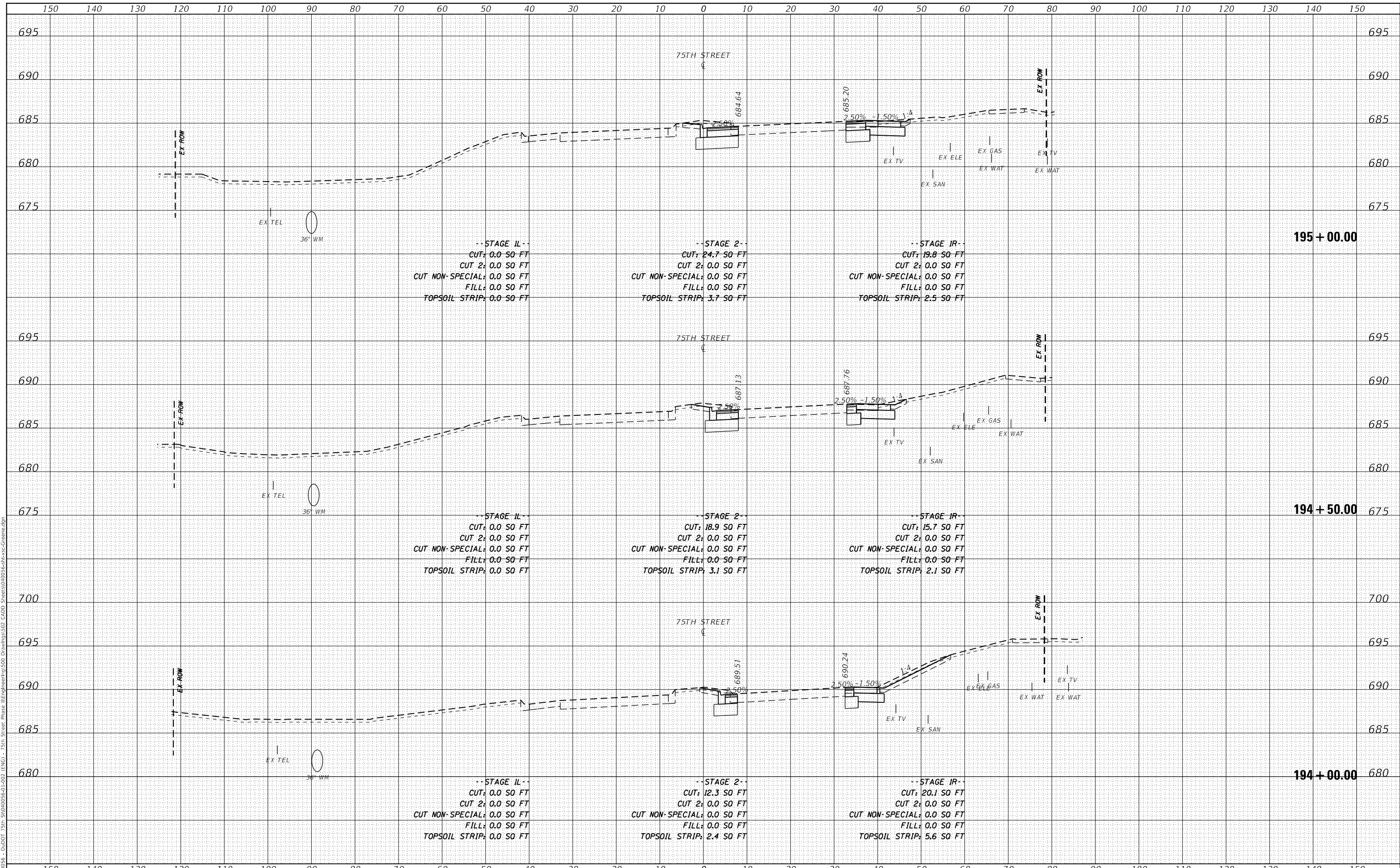
<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 1 OF 15 SHEETS
STA. 193+00.00	TO STA. 193+86.63

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	201
ILLINOIS			FED. AID PROJECT	

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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ORIGINAL SURVEY	
NOTE BOOK	
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

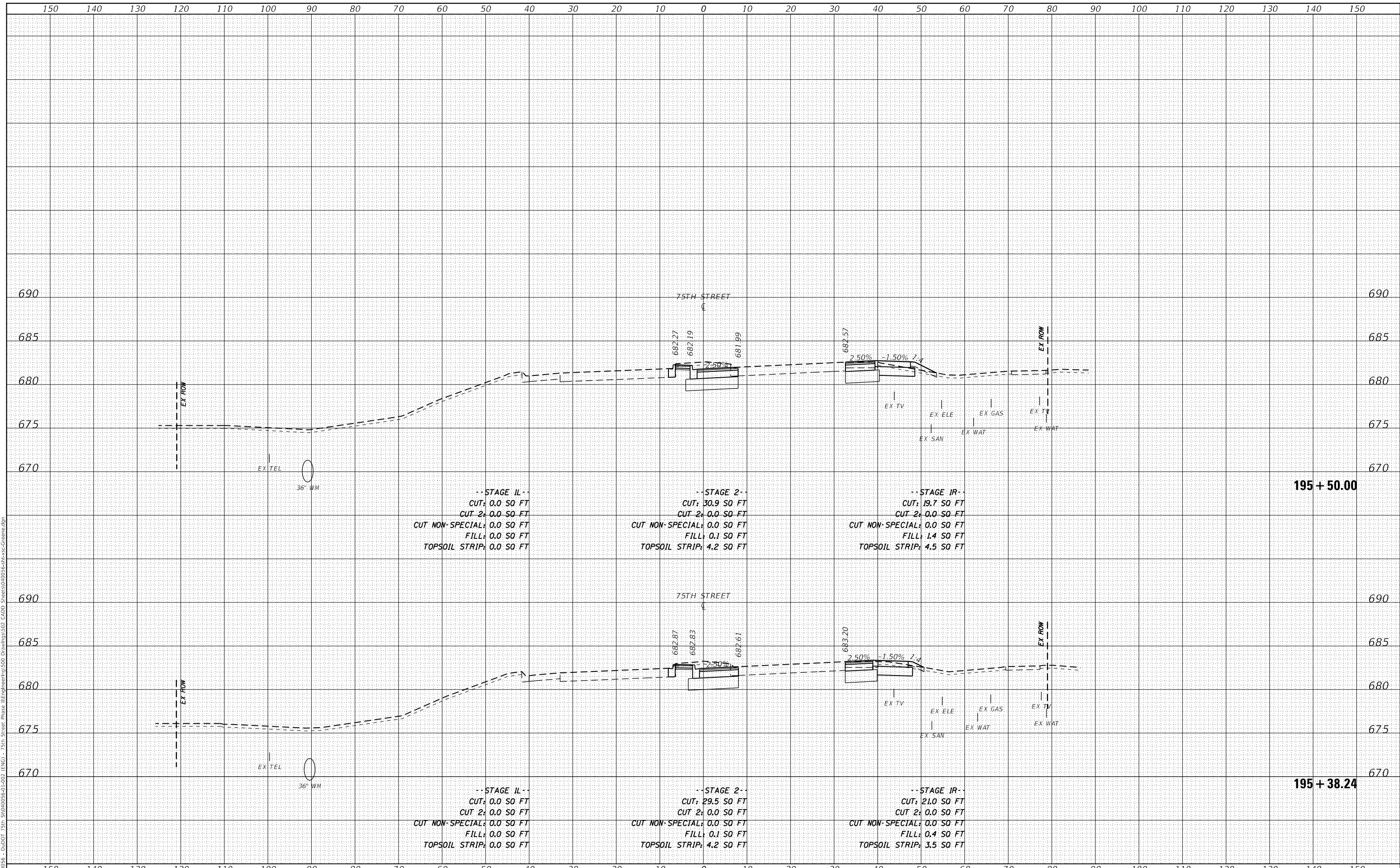
<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 2 OF 15 SHEETS
STA. 194+00.00	TO STA. 195+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	202
CONTRACT NO. 61H29				
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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USER NAME	= kberry
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PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 11/3/2021

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DRAWN	-
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DATE	-
REVISED	-
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REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 3 OF 15 SHEETS
STA. 195+38.24	TO STA. 195+50.00

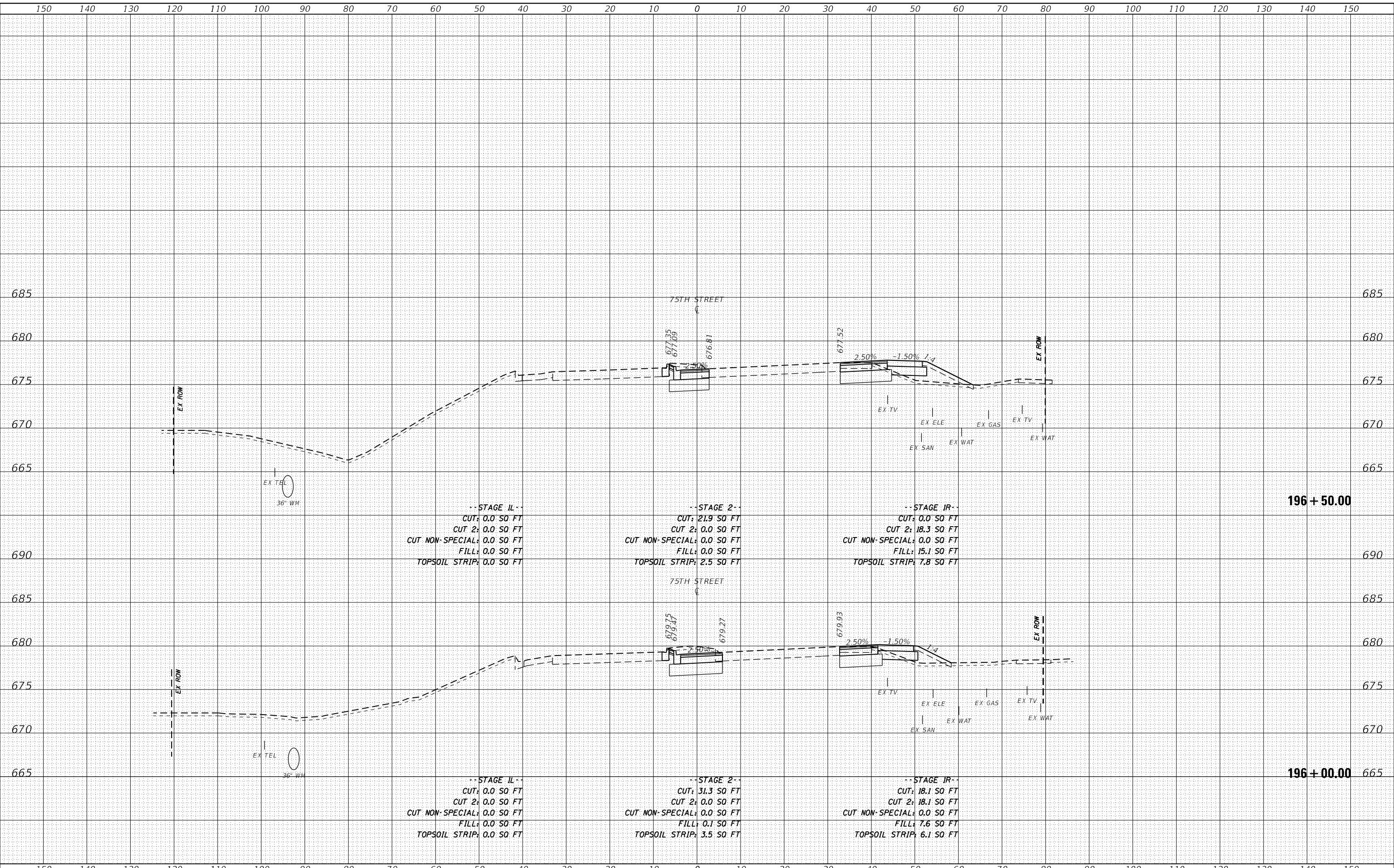
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0369	18-00233-04-5P	DUPAGE	215	203
CONTRACT NO. 61H29				
ILLINOIS		FED. AID PROJECT		



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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 Chicago, Illinois 60606  
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

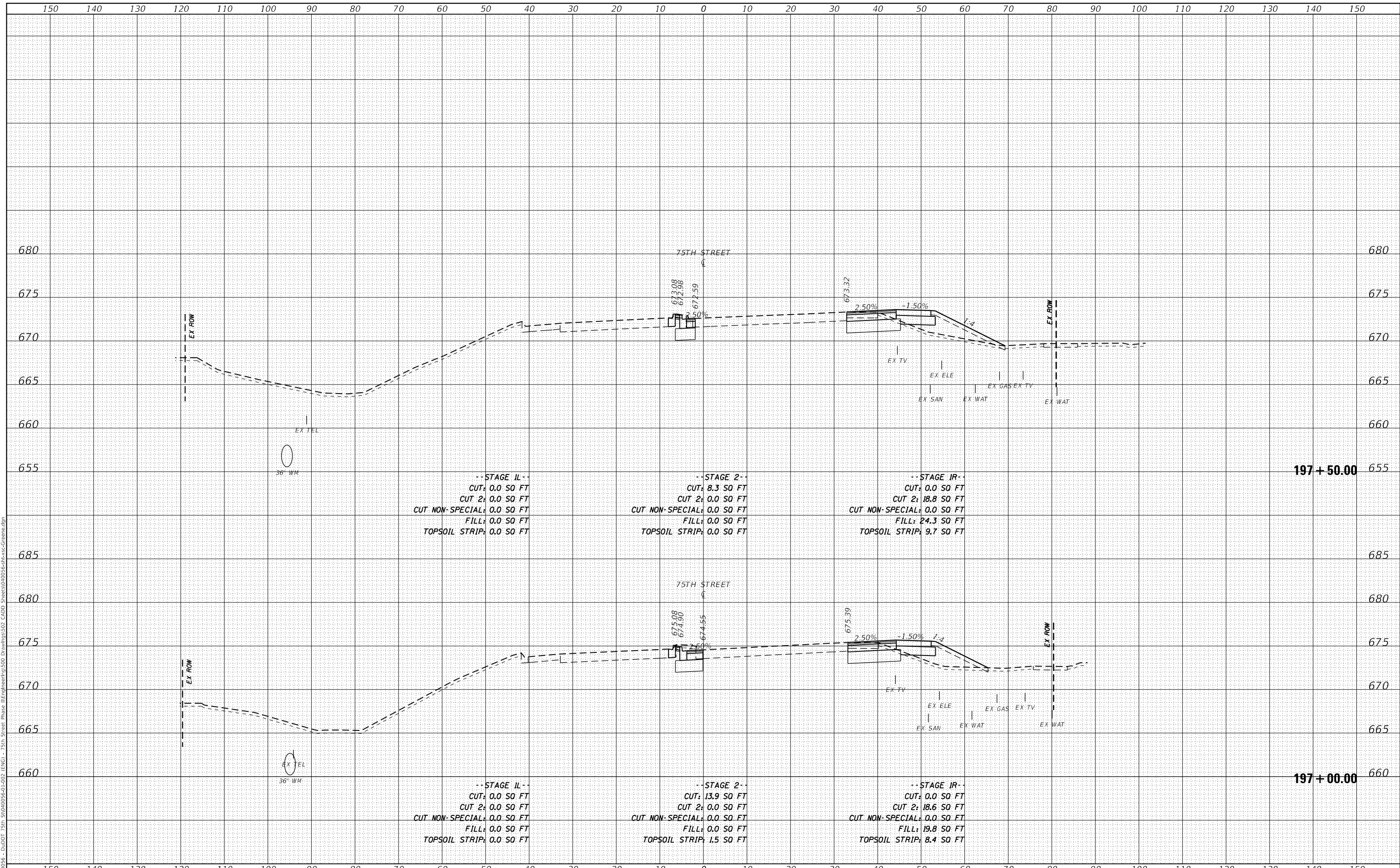
**CROSS SECTIONS  
 75TH STREET AT GREENE ROAD**  
 SCALE: 1"=10'H; 1"=5'V SHEET 4 OF 15 SHEETS STA. 196+00.00 TO STA. 196+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	204
CONTRACT NO. 61H29				
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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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

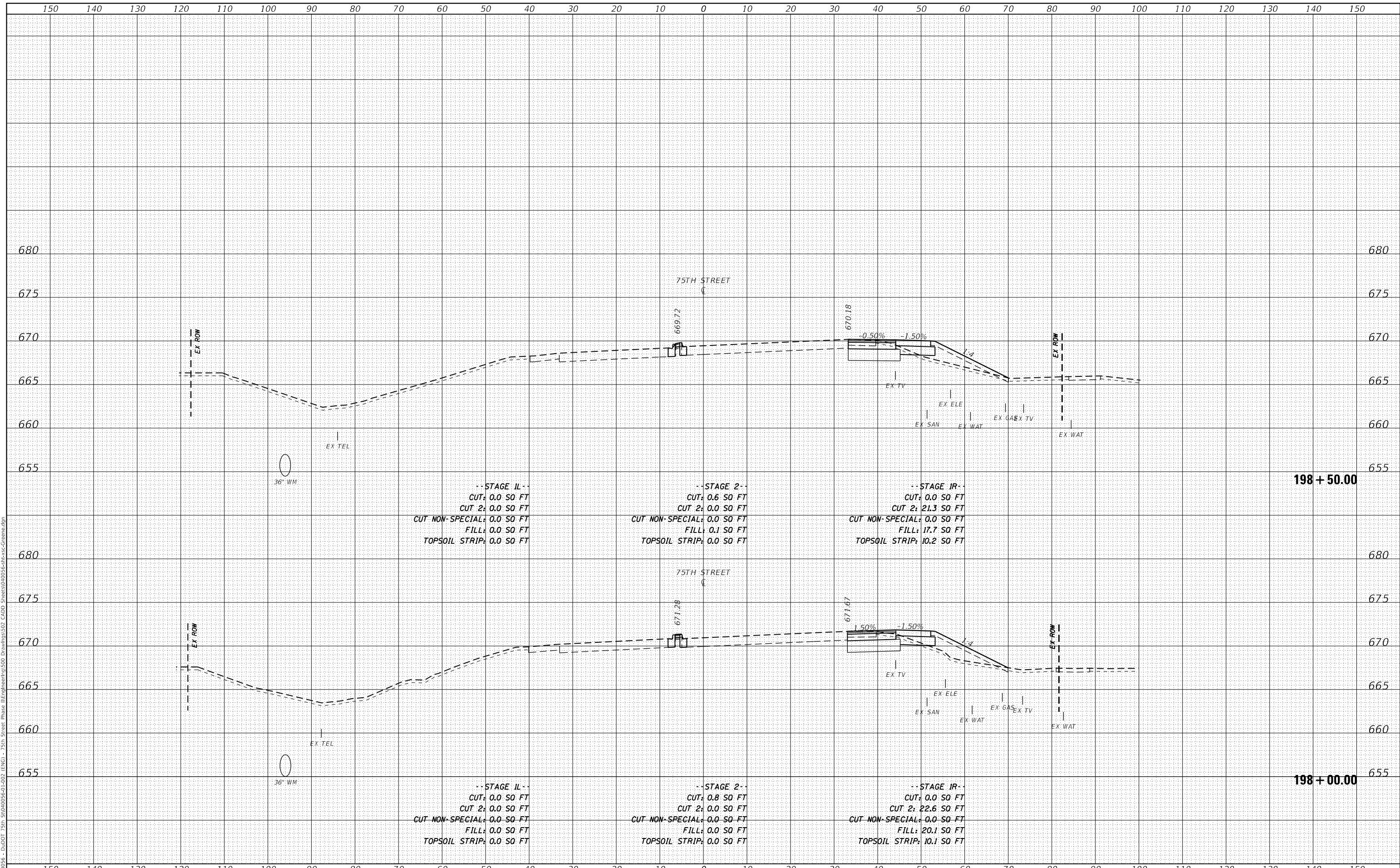
<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 5 OF 15 SHEETS
STA. 197+00.00	TO STA. 197+50.00

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 205
ILLINOIS			CONTRACT NO. 61H29	
FED. AID PROJECT				

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

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

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 FILE NAME: P:\040056 - DuDOT 75th St\040056-01-02 (ENGI) - 75th Street Phase III\Engineering\300 Drawings\302 CADD Sheets\040056-01-02-01-000-000.dgn



-- STAGE II --  
 CUT: 0.0 SO FT  
 CUT 2: 0.0 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 0.0 SO FT  
 TOPSOIL STRIP: 0.0 SO FT

-- STAGE 2 --  
 CUT: 0.6 SO FT  
 CUT 2: 0.0 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 0.1 SO FT  
 TOPSOIL STRIP: 0.0 SO FT

-- STAGE IR --  
 CUT: 0.0 SO FT  
 CUT 2: 21.3 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 17.7 SO FT  
 TOPSOIL STRIP: 10.2 SO FT

-- STAGE II --  
 CUT: 0.0 SO FT  
 CUT 2: 0.0 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 0.0 SO FT  
 TOPSOIL STRIP: 0.0 SO FT

-- STAGE 2 --  
 CUT: 0.8 SO FT  
 CUT 2: 0.0 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 0.0 SO FT  
 TOPSOIL STRIP: 0.0 SO FT

-- STAGE IR --  
 CUT: 0.0 SO FT  
 CUT 2: 22.6 SO FT  
 CUT NON-SPECIAL: 0.0 SO FT  
 FILL: 20.1 SO FT  
 TOPSOIL STRIP: 10.1 SO FT



USER NAME = kberry  
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 DATE -  
 PLOT SCALE = 20.0000 ' / in.  
 PLOT DATE = 11/3/2021

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT GREENE ROAD

SCALE: 1"=10'H; 1"=5'V SHEET 6 OF 15 SHEETS STA. 198+00.00 TO STA. 198+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P		215	206
CONTRACT NO. 61H29				

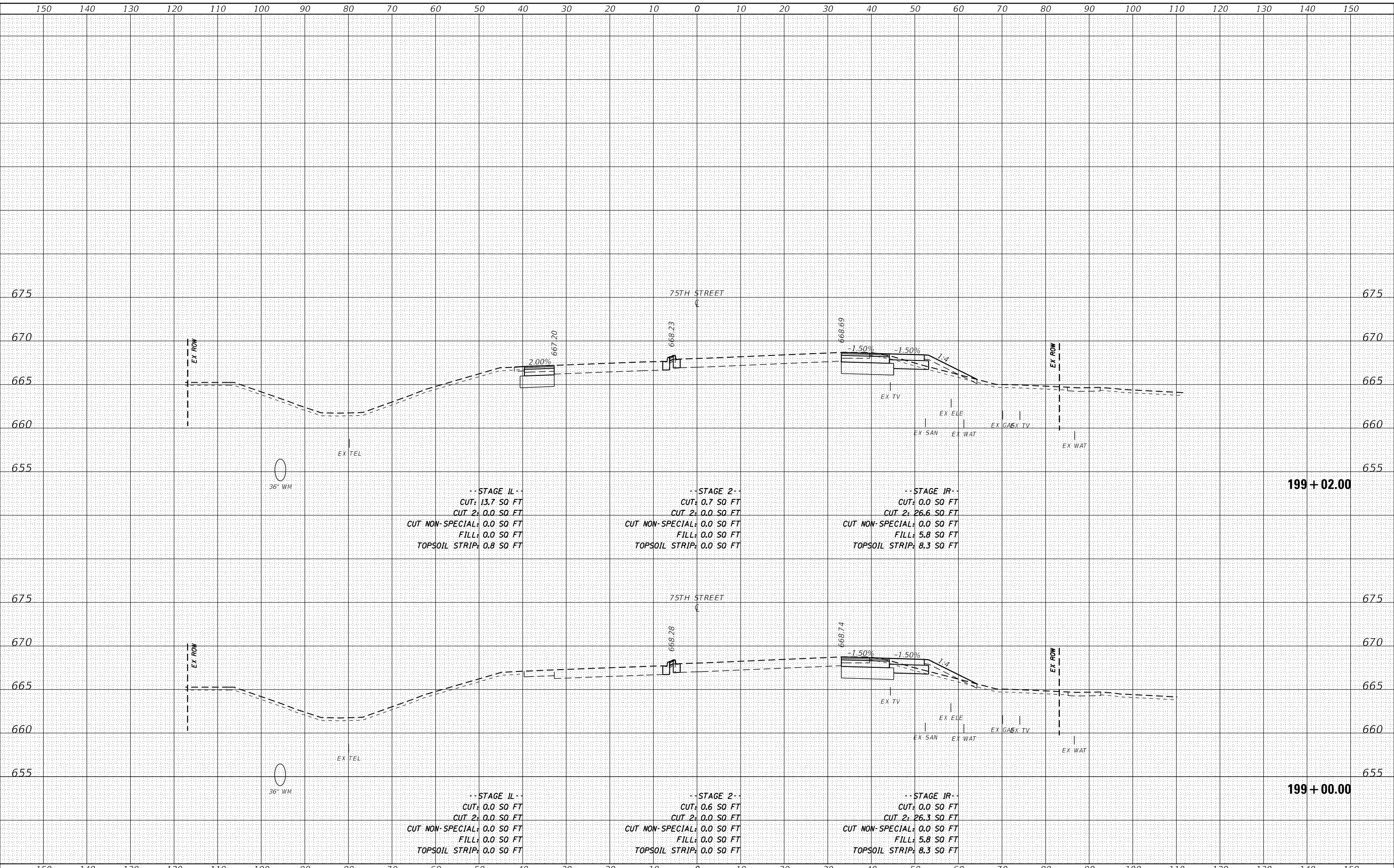
ILLINOIS FED. AID PROJECT



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

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

MODEL: Definit  
 FILE NAME: P:\04056 - D:\DOT 75th St\04056-01-02 (ENGR) - 75th Street Phase III\Engineering\300 Drawings\302 CADD Sheets\04056-01-02-01-02-01.dwg



USER NAME	= kberry	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 20.0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 11/3/2021	DATE	-	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

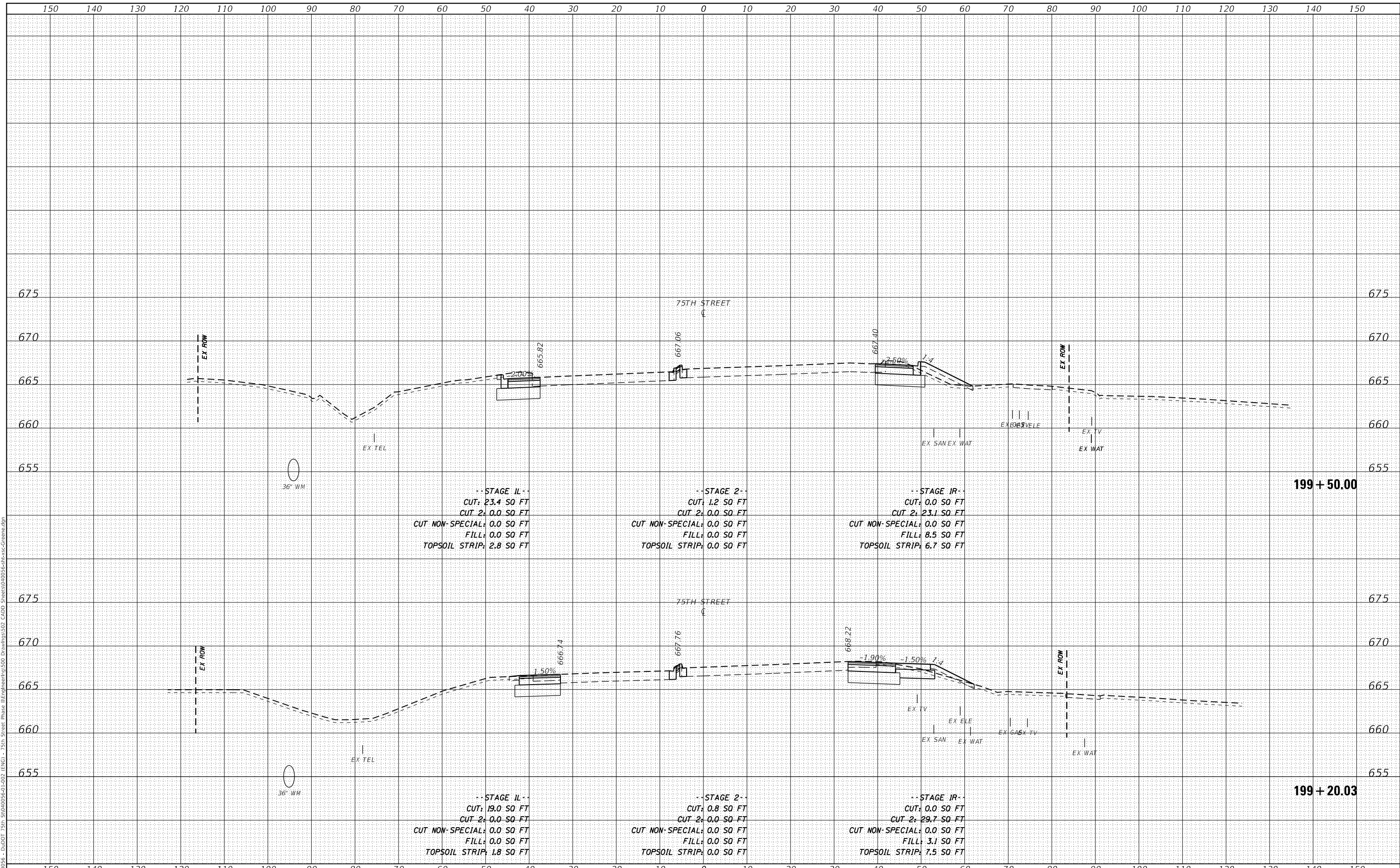
<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>			
SCALE: 1"=10'H; 1"=5'V	SHEET 7	OF 15 SHEETS	STA. 199+00.00 TO STA. 199+02.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	207
				CONTRACT NO. 61H29
				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

MODEL: Definit  
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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

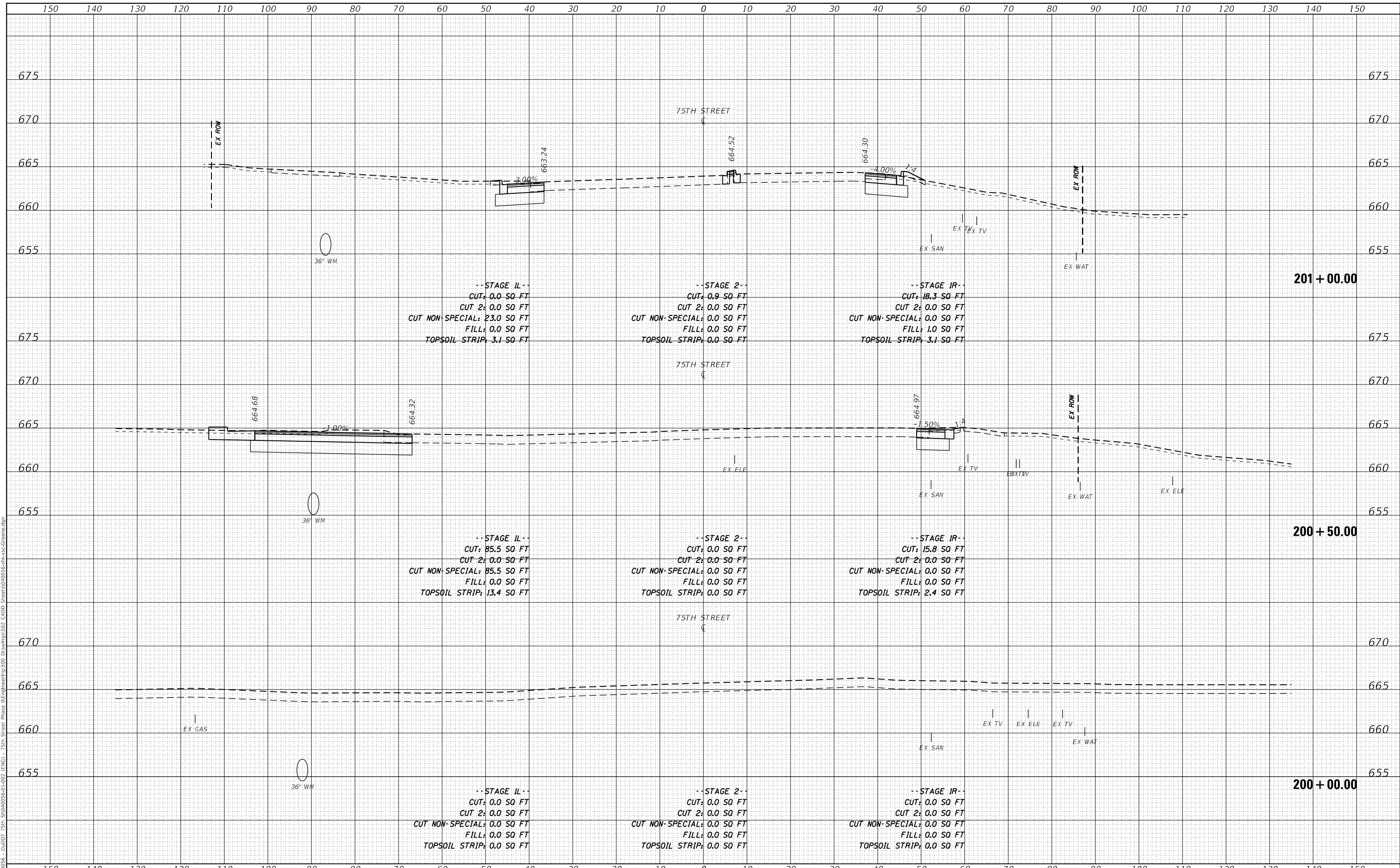
<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 8 OF 15 SHEETS
STA. 199+20.03	TO STA. 199+50.00

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 208
ILLINOIS			FED. AID PROJECT	

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

MODEL: Definit  
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USER NAME = kberry  
 DESIGNED -  
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 CHECKED -  
 DATE -  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 11/3/2021

REVISIED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT GREENE ROAD

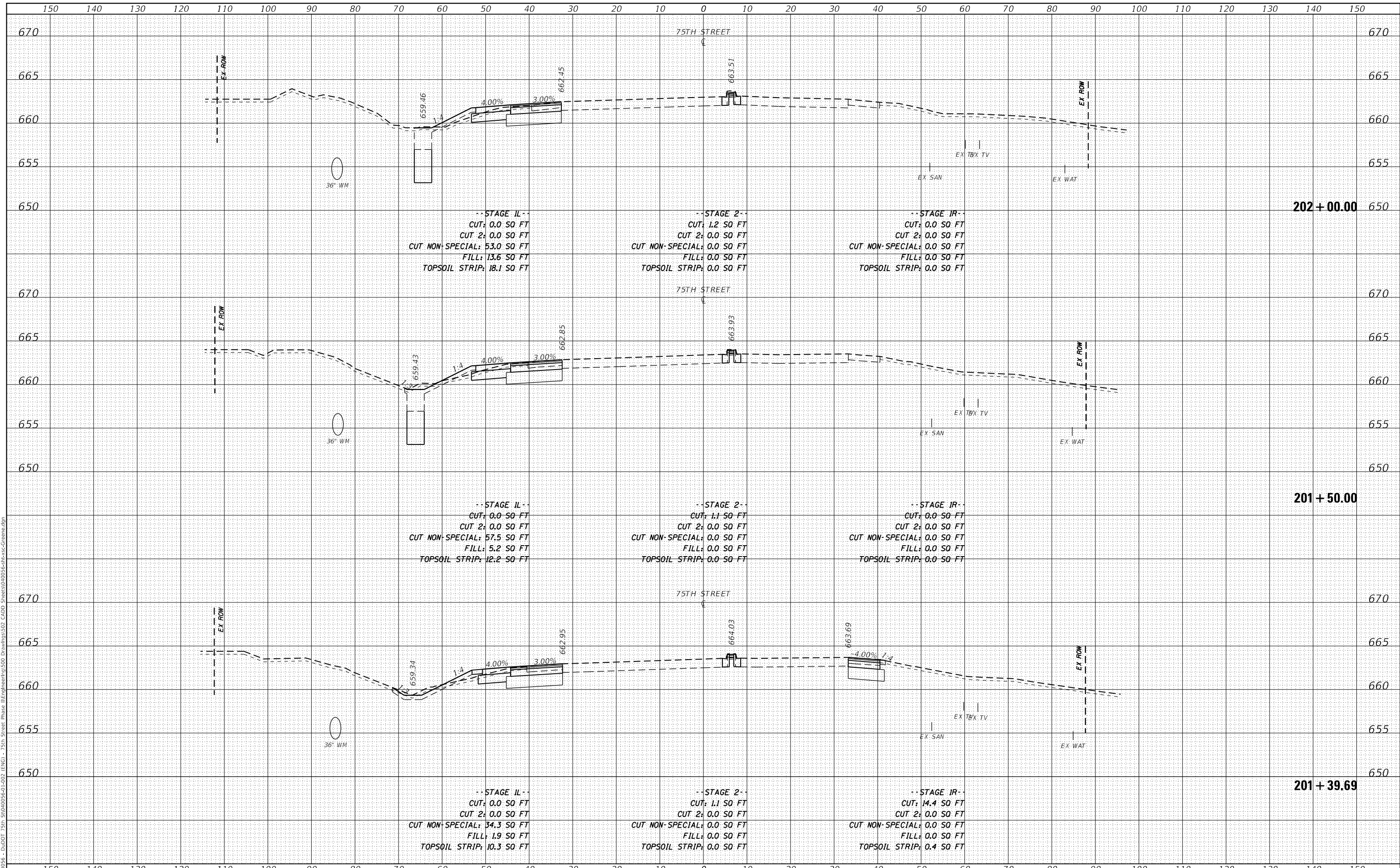
SCALE: 1"=10'H; 1"=5'V SHEET 9 OF 15 SHEETS STA. 200+00.00 TO STA. 201+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	209
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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USER NAME = kberry	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 10 OF 15 SHEETS
STA. 201+39.69	TO STA. 202+00.00

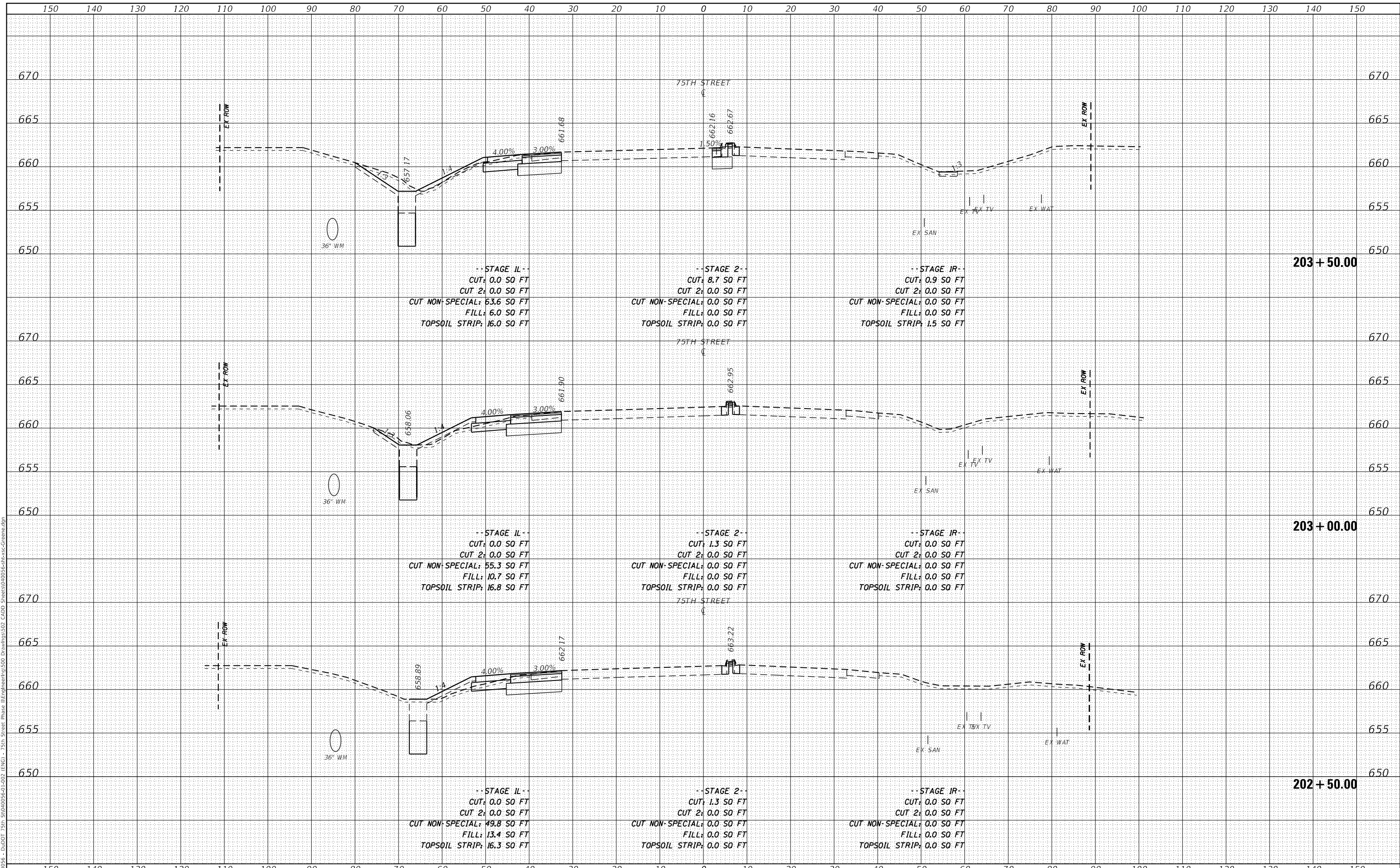
F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 210
CONTRACT NO. 61H29			ILLINOIS FED. AID PROJECT	



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

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

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PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

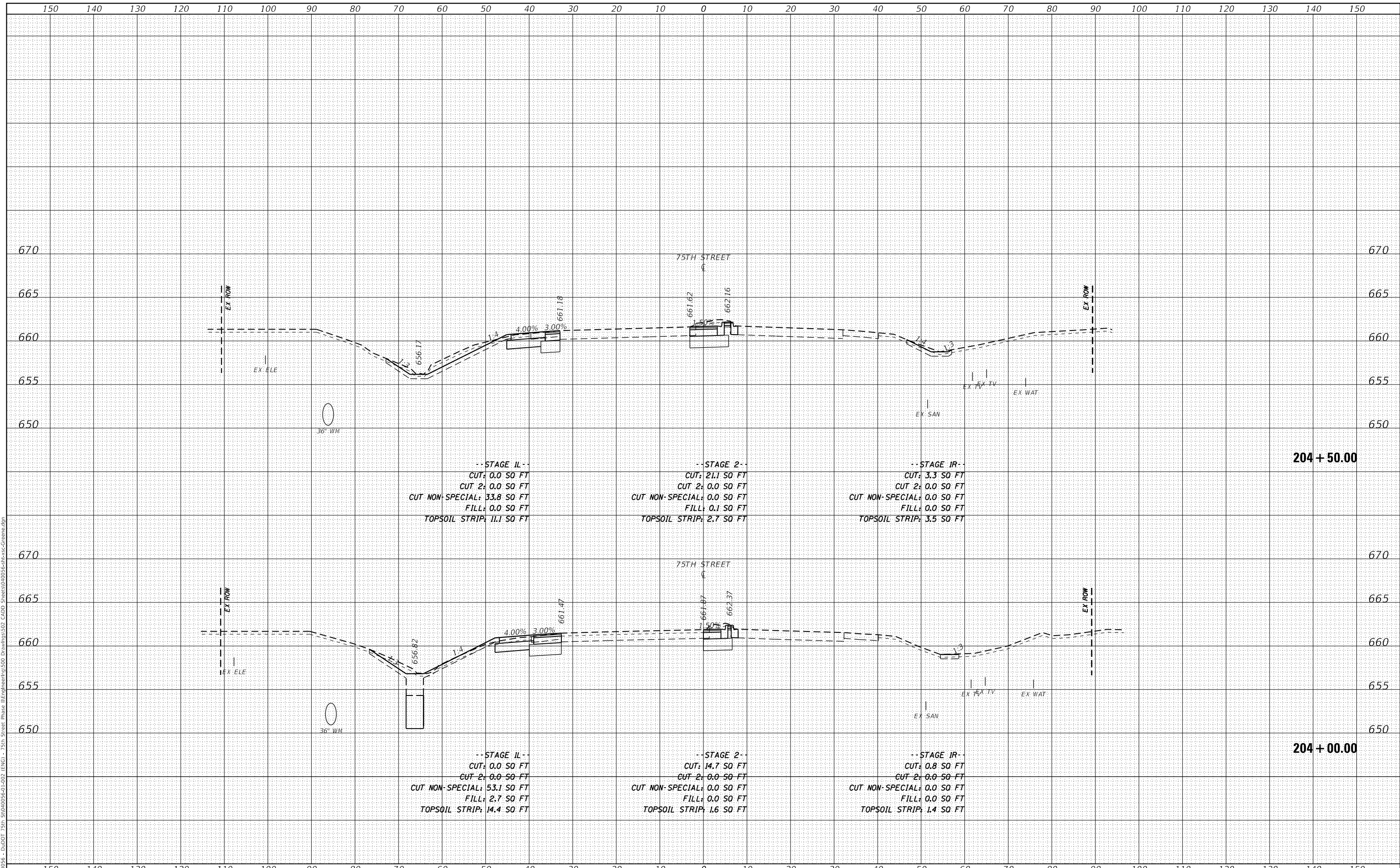
<b>CROSS SECTIONS    75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 11 OF 15 SHEETS
STA. 202+50.00	TO STA. 203+50.00

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY DUPAGE	TOTAL SHEETS 215	SHEET NO. 211
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H29	

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

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

MODEL: Definit  
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 PLOT DATE = 11/3/2021

DESIGNED -  
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 DATE -

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT GREENE ROAD

SCALE: 1"=10'H; 1"=5'V SHEET 12 OF 15 SHEETS STA. 204+00.00 TO STA. 204+50.00

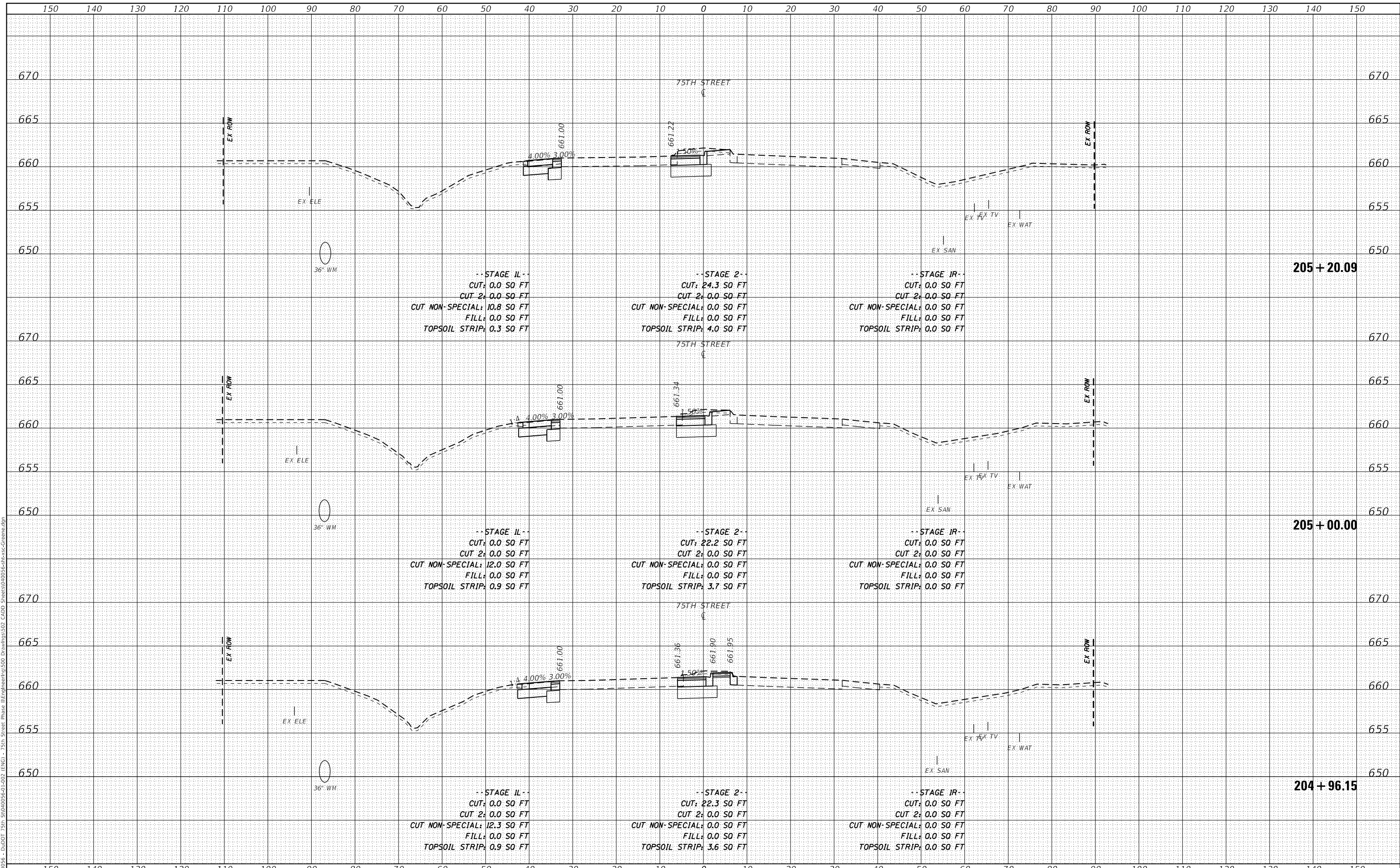
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P		215	212
			CONTRACT NO. 61H29	
		ILLINOIS FED. AID PROJECT		



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

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

MODEL: Definit  
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USER NAME = kberry	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

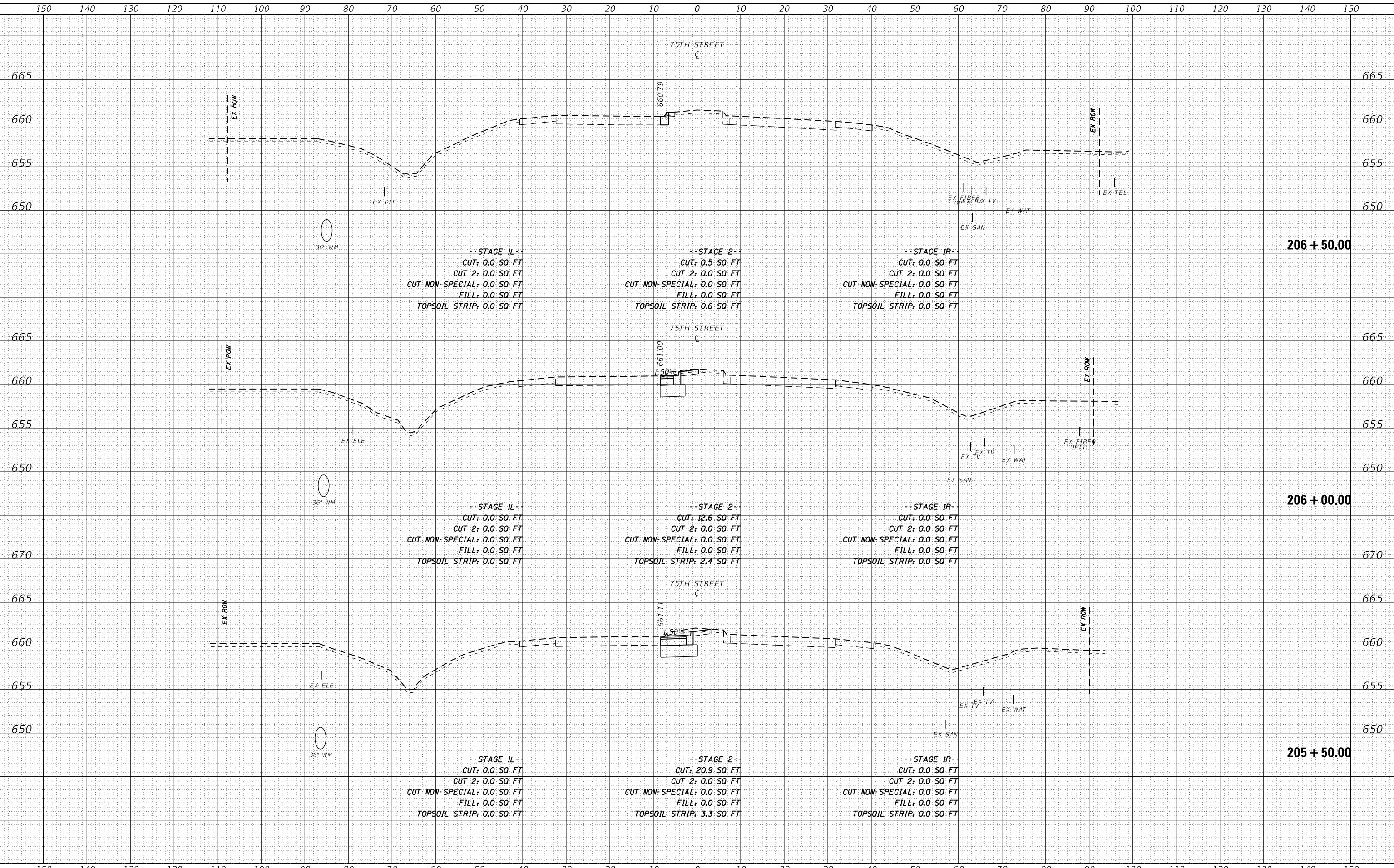
<b>CROSS SECTIONS 75TH STREET AT GREENE ROAD</b>	
SCALE: 1"=10'H; 1"=5'V	SHEET 13 OF 15 SHEETS
STA. 204+96.15	TO STA. 205+20.09

F.A.P. RTE. 0369	SECTION 18-00233-04-5P	COUNTY	TOTAL SHEETS 215	SHEET NO. 213
DUPAGE		CONTRACT NO. 61H29		
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: Definit  
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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISD -
PLOT DATE = 11/3/2021	DATE -	REVISD -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT GREENE ROAD

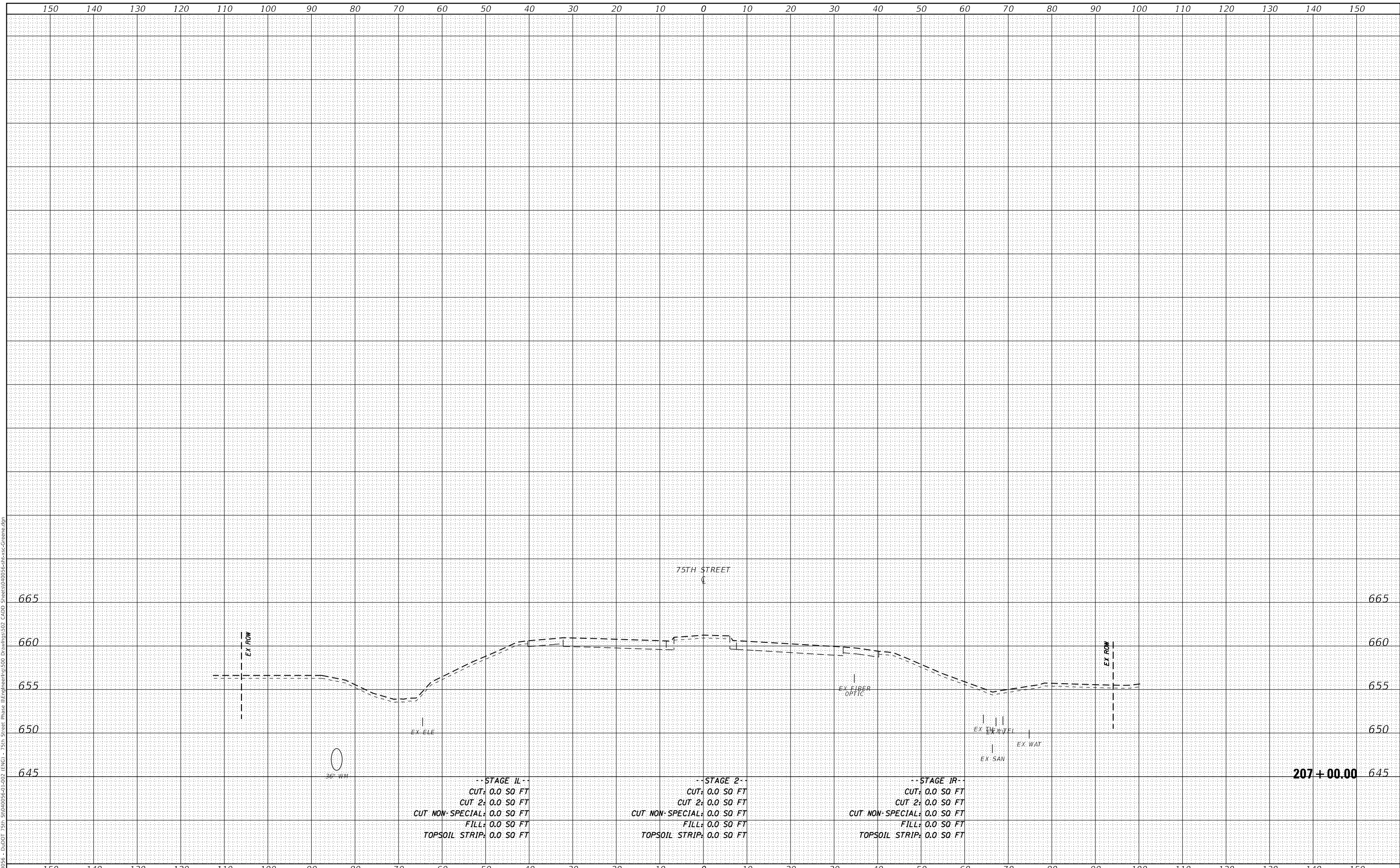
SCALE: 1"=10'H; 1"=5'V SHEET 14 OF 15 SHEETS STA. 205+50.00 TO STA. 206+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P	DUPAGE	215	214
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT

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

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

MODEL: Definit  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 75TH STREET AT GREENE ROAD

SCALE: 1"=10'H; 1"=5'V SHEET 15 OF 15 SHEETS STA. 207+00.00 TO STA. 207+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	18-00233-04-5P		215	215
				CONTRACT NO. 61H29
				ILLINOIS FED. AID PROJECT