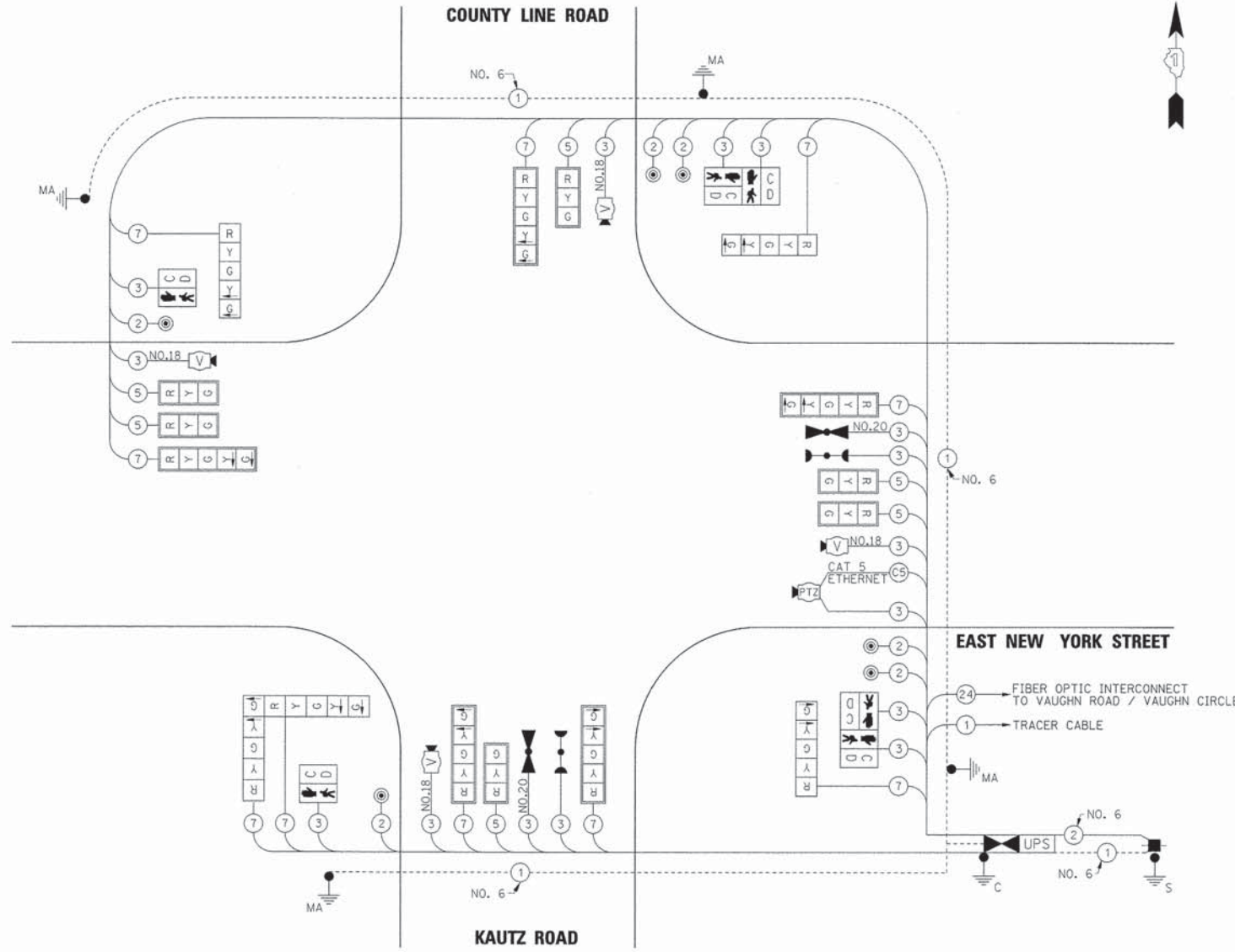


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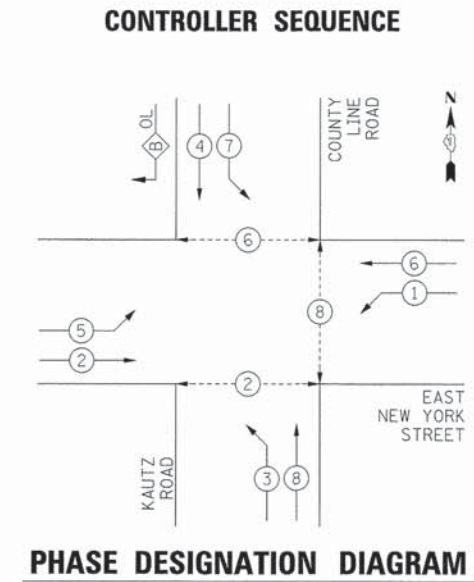
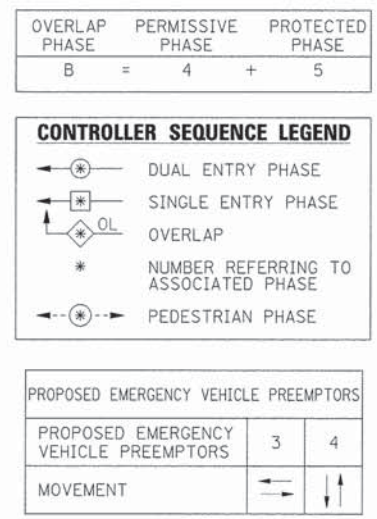
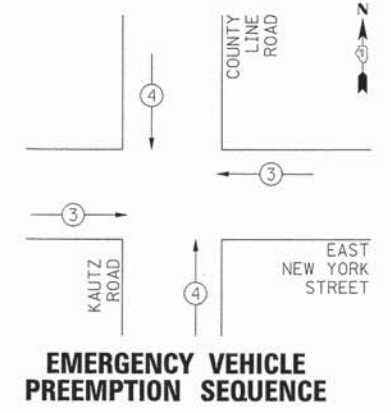
SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	KAUTZ / COUNTY LINE ROAD
SIGN PANEL - TYPE 1	SQ. FT.	31.5
SIGN PANEL - TYPE 2	SQ. FT.	22.5
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	95
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	13
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	74
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	495
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	1
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	993
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1454
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1323
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1989
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	114
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	615
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	11
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
CAT 5 ETHERNET CABLE	FOOT	107
VIDEO DETECTION SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	311
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C	FOOT	919
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	20		12	0.10	24
PED. SIGNAL	6		25	1.00	150
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		15	1.00	15
TOTAL =					585

ENERGY COSTS TO: CITY OF AURORA
44 E. DOWNER PLACE
AURORA, IL 60507-2067

ENERGY SUPPLY CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON



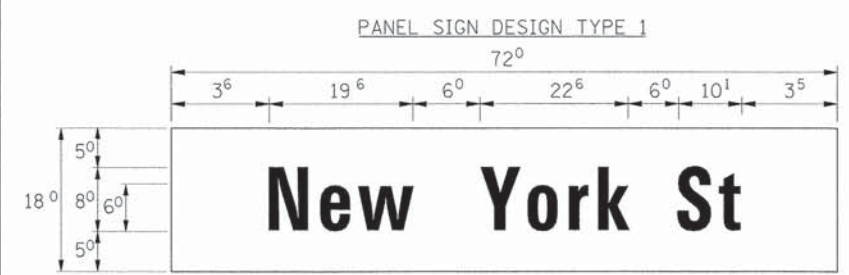
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

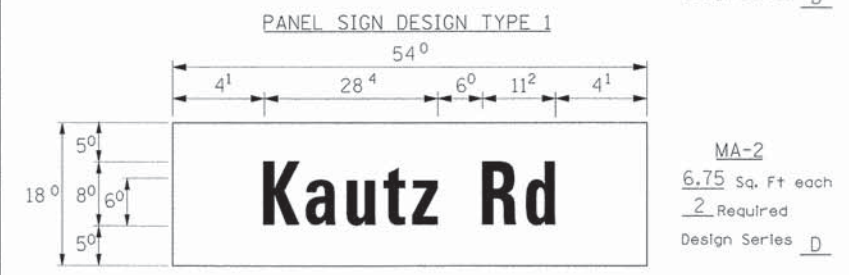
THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA. LIGHT DETECTOR AMPLIFIERS SHALL BE OPTICOM MODEL 764 MULTIMODE PHASE SELECTORS.

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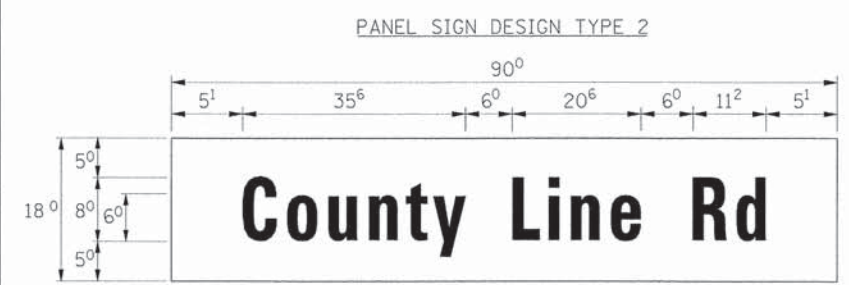
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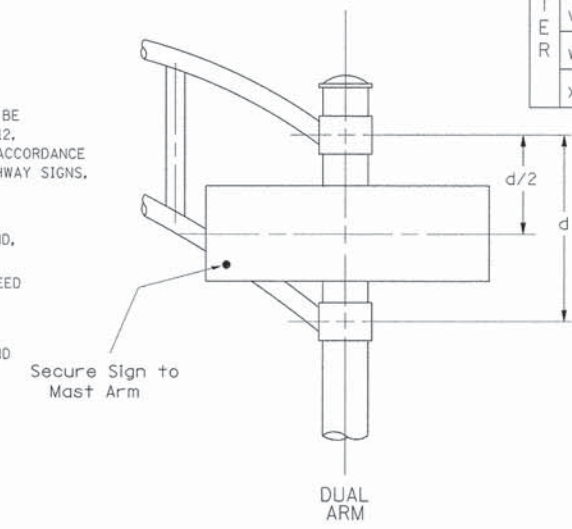
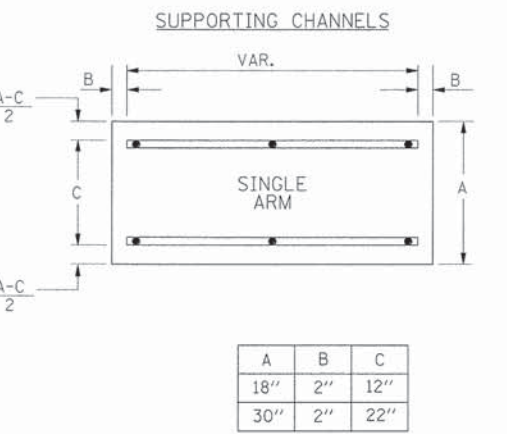
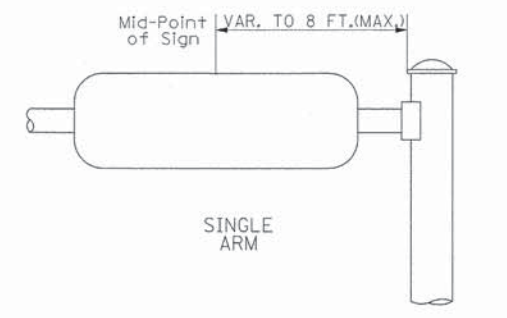
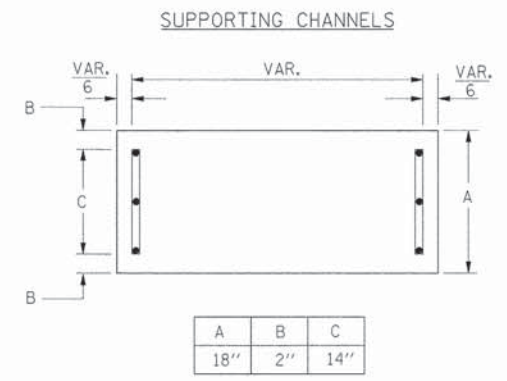
MA-1
9.00 Sq. Ft each
2 Required
Design Series D



MA-2
6.75 Sq. Ft each
2 Required
Design Series D



MA-3
11.25 Sq. Ft each
2 Required
Design Series D



Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g o q	m n p r u														
A W X	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ²	1 ⁴
B	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁶	1 ⁷
C E G	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
D O O R	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
F	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²
H I M N	2 ⁰	2 ¹	2 ²	2 ⁴	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹	2 ⁰	2 ¹
J U	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹
K L	1 ¹	1 ²	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
P	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
S	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
T	1 ¹	1 ²	1 ⁶	1 ⁷	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
V	0 ⁶	1 ⁰	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
Y	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁵	0 ⁷	0 ⁵	0 ⁶	0 ⁶	1 ⁰	1 ¹	1 ²
Z	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹

EXAMPLE, 2³ DENOTES 3/8"

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g o q	m n p r u														
ad h g i j	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷
l m n q u																
b f k o p s	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
c e	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
r	0 ⁶	1 ⁰	1 ²	1 ⁴	0 ⁶	1 ⁰	0 ³	0 ³	0 ⁵	0 ⁶	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰
t z	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
v y	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²
w	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
x	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

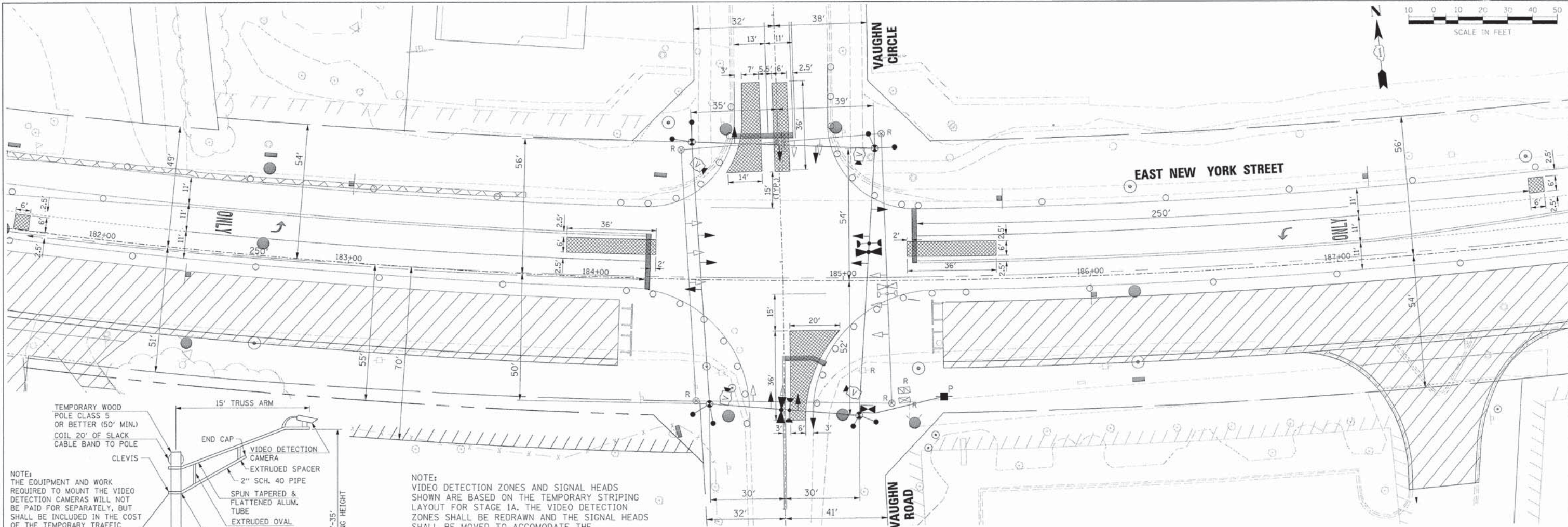
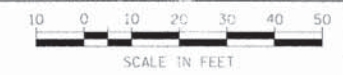
Number To Number
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷
1	2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
2 3 4	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁶	1 ⁷	1 ⁴	1 ⁵
5	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
6	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
7	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁵	0 ⁵	0 ⁶	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴
8	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁴	1 ⁵

GENERAL NOTES

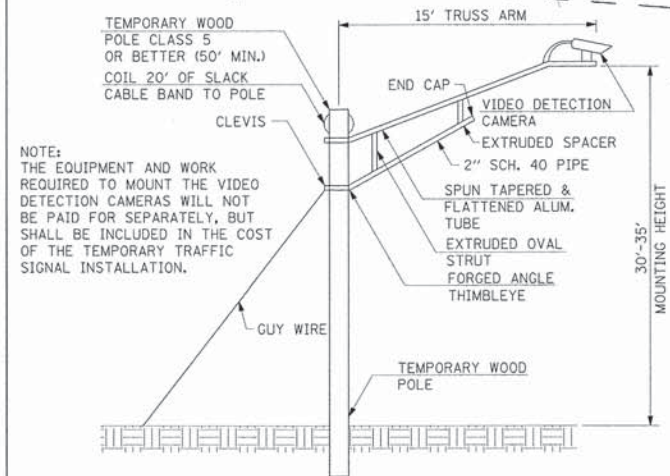
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE 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 HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
 - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
 - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
 - SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
* J.O. HERBERT CO. 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 PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.



DATE	
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DESCRIPTION	



TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL BECOME THE PROPERTY OF THE CITY OF AURORA AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S ELECTRICAL YARD ALONG WITH FIVE (5) COPIES OF A LIST OF EQUIPMENT THAT IS TO REMAIN THE PROPERTY OF THE CITY IN ACCORDANCE WITH THE TRAFFIC SIGNAL SPECIFICATIONS. A LIST OF EQUIPMENT SHALL ALSO BE PROVIDED TO THE CITY'S ENGINEERING DEPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (SEE SCHEDULE OF QUANTITIES FOR REMOVAL ITEMS TO BE PAID FOR SEPARATELY).

4	EACH	TRAFFIC SIGNAL WOOD POLE
10	EACH	TRAFFIC SIGNAL HEADS
1	EACH	SERVICE INSTALLATION
4	EACH	VIDEO DETECTION CAMERAS
2	EACH	LIGHT DETECTORS
2	EACH	CONFIRMATION BEACONS
1	EACH	TRAFFIC SIGNAL CABINET (COMPLETE)
1	ALL	ELECTRIC CABLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL BECOME THE PROPERTY OF THE CITY OF AURORA AND SHALL BE DELIVERED BY THE CONTRACTOR TO EITHER MR. ERIC GALLT (630-256-3237) OR MR. STEVE ZABURUNOV (630-688-8414) ALONG WITH FIVE (5) COPIES OF A LIST OF EQUIPMENT THAT IS TO REMAIN THE PROPERTY OF THE CITY IN ACCORDANCE WITH THE TRAFFIC SIGNAL SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

1	EACH	TRAFFIC SIGNAL CONTROLLER
---	------	---------------------------

NOTE: VIDEO DETECTION ZONES AND SIGNAL HEADS SHOWN ARE BASED ON THE TEMPORARY STRIPING LAYOUT FOR STAGE 1A. THE VIDEO DETECTION ZONES SHALL BE REDRAWN AND THE SIGNAL HEADS SHALL BE MOVED TO ACCOMMODATE THE TEMPORARY STRIPING IN THE REMAINING STAGES.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTABLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.
- ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

LEGEND

	EXISTING RIGHT-OF-WAY
	EXISTING PERMANENT EASEMENT
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT
	PROPOSED RIGHT-OF-WAY



USER NAME = gchris	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 604_tsig02a_vaughn.plan01.dgn	DRAWN - BAH	REVISED -
PLDT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

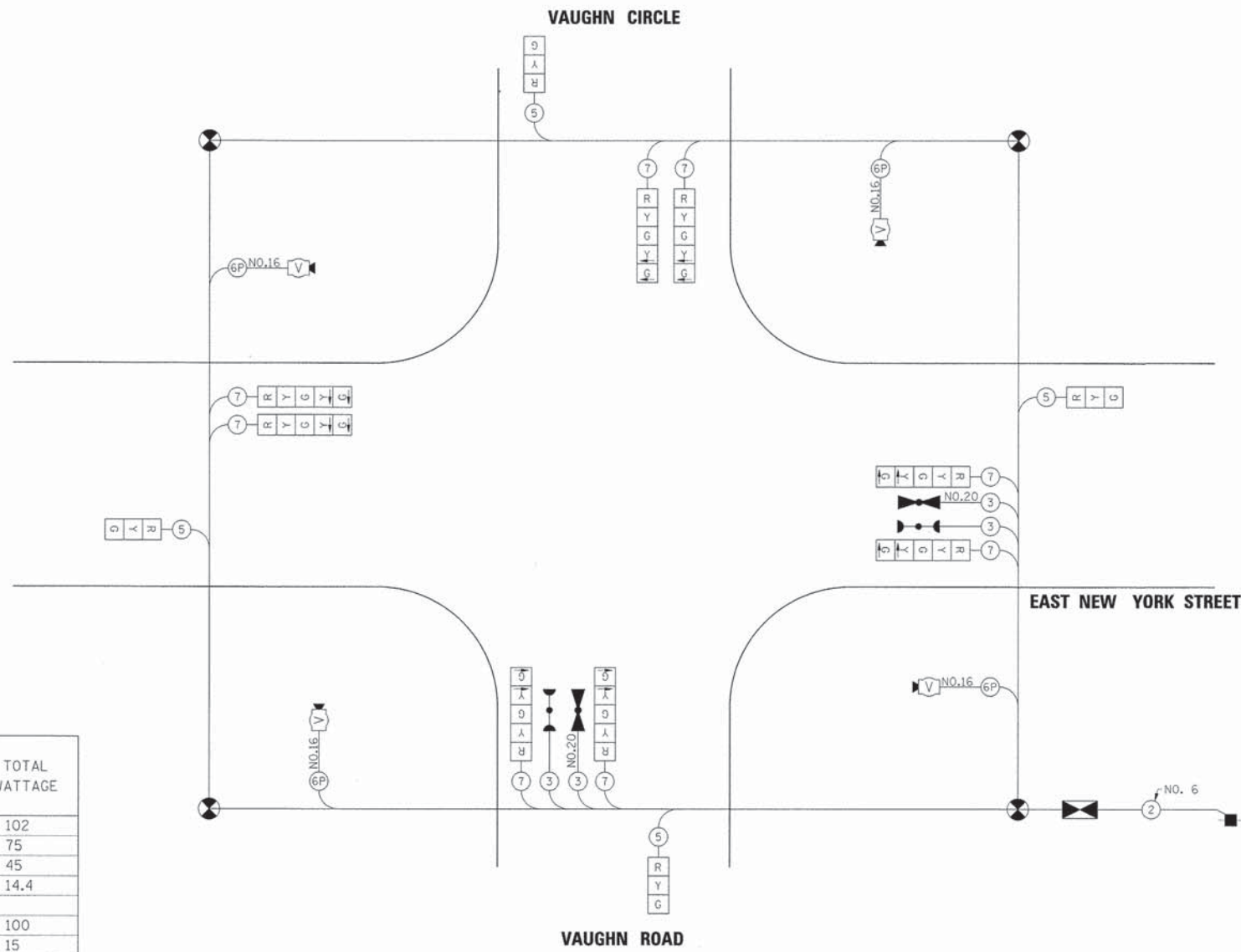
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED VAUGHN ROAD /VAUGHN CIRCLE

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	103
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63838		

PLAN	SUBMITTED	DATE
	PLOTTED	
	BY	
	NO. _____	
	DATE	
	BY	
	NO. _____	
	DATE	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	BY	
	NO. _____	
	DATE	
	BY	
	NO. _____	
	DATE	



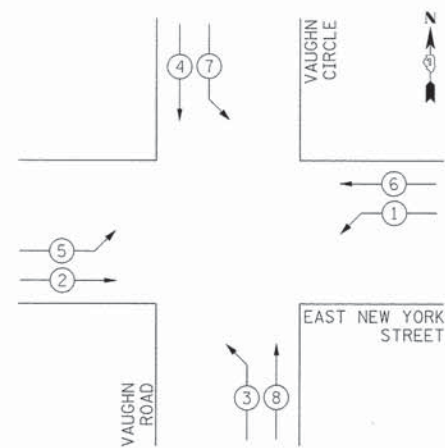
I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS - STAGES 1A & 2A					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	17	0.50	102	
(YELLOW)	12	25	0.25	75	
(GREEN)	12	15	0.25	45	
ARROW	12	12	0.10	14.4	
CONTROLLER	1	100	1.00	100	
VIDEO SYSTEM	1	15	1.00	15	
TOTAL =				351.4	

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS - STAGE 3					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	17	0.50	102	
(YELLOW)	12	25	0.25	75	
(GREEN)	12	15	0.25	45	
ARROW	16	12	0.10	19.2	
CONTROLLER	1	100	1.00	100	
VIDEO SYSTEM	1	15	1.00	15	
TOTAL =				356.2	

ENERGY COSTS TO: CITY OF AURORA
44 E. DOWNER PLACE
AURORA, IL 60507-2067

ENERGY SUPPLY CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

NOTE:
THE NORTHBOUND LEFT-TURN PHASE (3) SHALL BE TURNED OFF IN STAGE 1A.

CONTROLLER SEQUENCE LEGEND

- ← ⊗ → DUAL ENTRY PHASE
- ← ⊠ → SINGLE ENTRY PHASE
- ← ⊠ OL → OVERLAP
- * NUMBER REFERRING TO ASSOCIATED PHASE
- ← ⊗ → PEDESTRIAN PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↑ ↓

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO. OF RAY CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO. OF RAY CHECKED	
	STRUCTURE NOTATION CIRCUIT	
	NO.	

I.D.O.T TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS - STAGE 2B

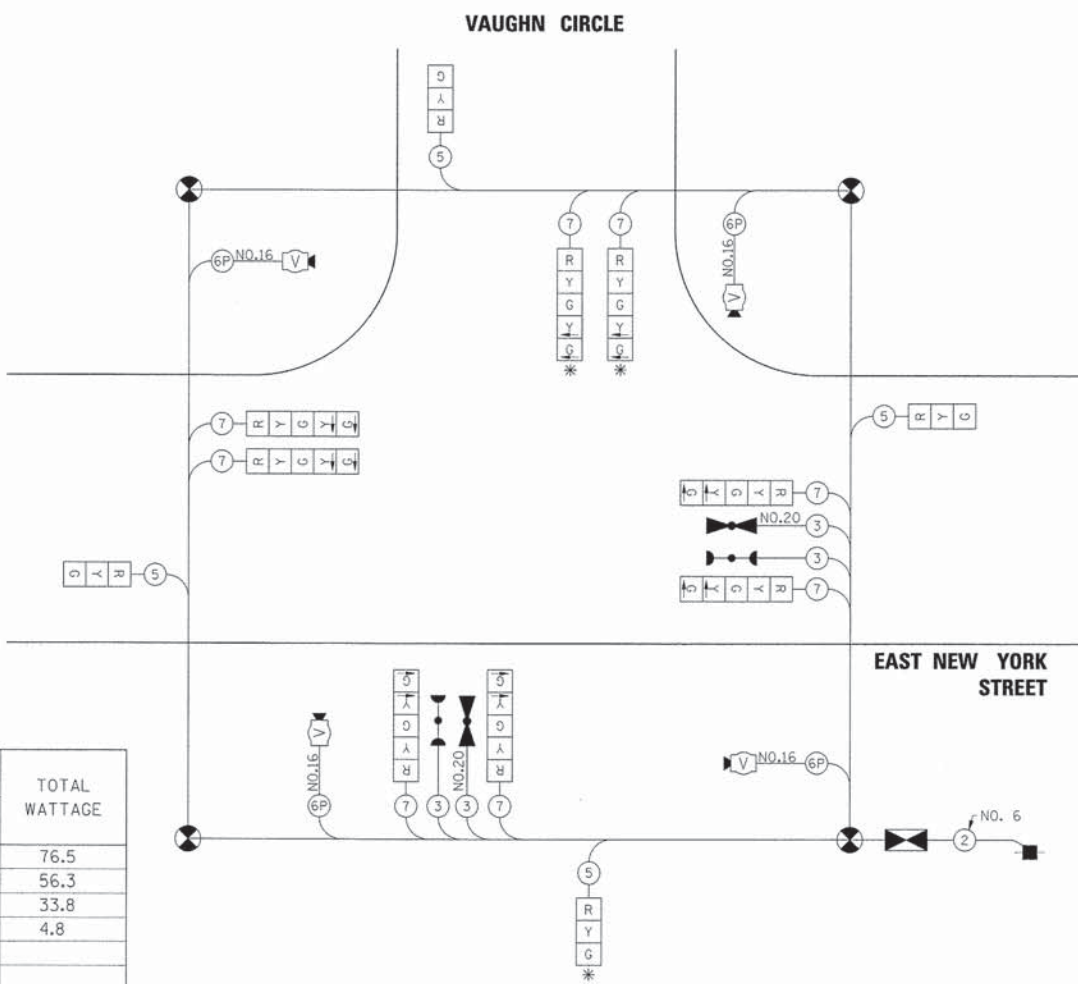
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	9	17	0.50	76.5	
(YELLOW)	9	25	0.25	56.3	
(GREEN)	9	15	0.25	33.8	
ARROW	4	12	.10	4.8	
CONTROLLER	1	100	1.00	100	
VIDEO SYSTEM	1	15	1.00	15	
TOTAL = 286.4					

I.D.O.T TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS - STAGE 2B

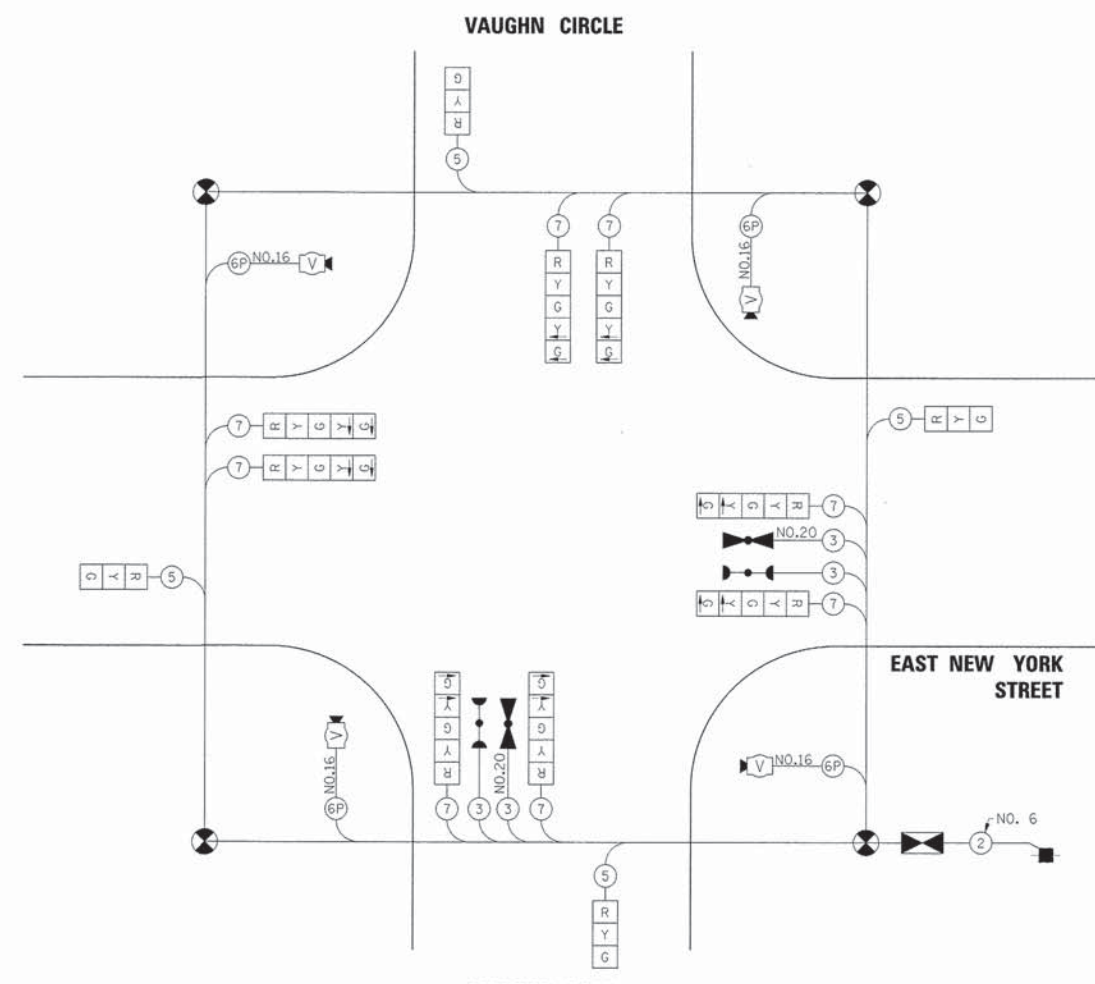
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	17	0.50	102	
(YELLOW)	12	25	0.25	75	
(GREEN)	12	15	0.25	45	
ARROW	8	12	0.10	9.6	
CONTROLLER	1	100	1.00	100	
VIDEO SYSTEM	1	15	1.00	15	
TOTAL = 346.6					

ENERGY COSTS TO: CITY OF AURORA
44 E. DOWNER PLACE
AURORA, IL 60507-2067

ENERGY SUPPLY CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON

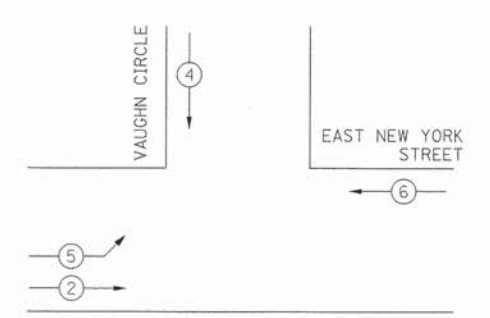


CABLE PLAN - STAGE 1B
* THESE SIGNAL HEADS SHALL BE COVERED IN STAGE 1B.



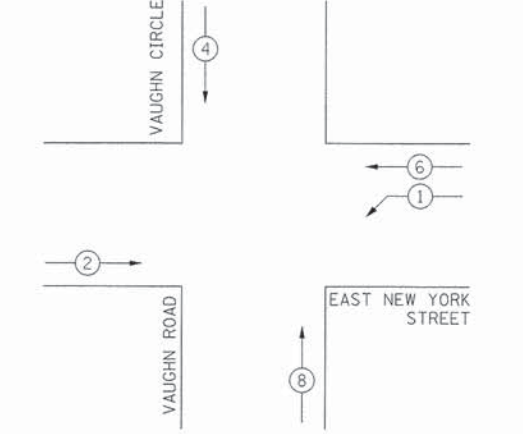
CABLE PLAN - STAGES 2B, 2C & 2D

CONTROLLER SEQUENCE - STAGE 1B



PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE - 2B, 2C & 2D



PHASE DESIGNATION DIAGRAM

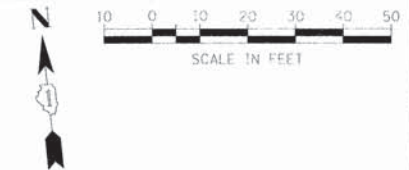
CONTROLLER SEQUENCE LEGEND

- ← ⊙ → DUAL ENTRY PHASE
- ← ⊙ → SINGLE ENTRY PHASE
- ← ⊙ OL → OVERLAP
- * NUMBER REFERRING TO ASSOCIATED PHASE
- ← ⊙ → PEDESTRIAN PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

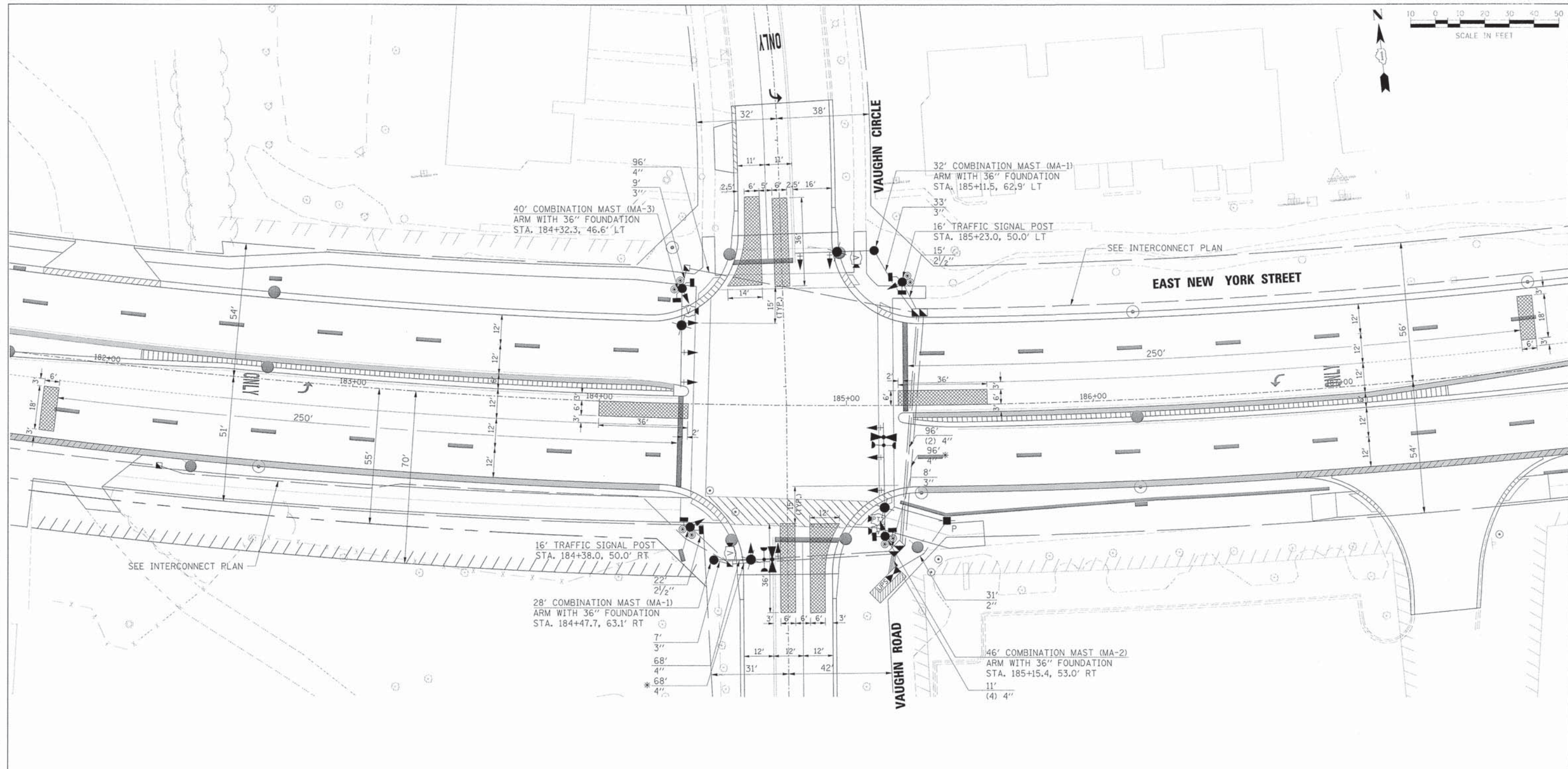
PROPOSED EMERGENCY VEHICLE PREEMPTORS

PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT (STAGE 1B)	←	↓
MOVEMENT (STAGE 2B)	←	↑



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISION		
	NO. OF RAY CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISION		
	NO. OF RAY CHECKED		
	STRUCTURE NOTATION CHNG		
	NO.		



* SEE INTERCONNECT PLAN

- NOTES:
1. MAST ARM FOUNDATIONS SHALL INCLUDE SEPARATE CONDUIT FOR LIGHTING AND TRAFFIC SIGNAL ELECTRIC CABLE.
 2. ALL PROPOSED TRAFFIC SIGNAL MAST ARMS AND POSTS SHALL BE PAINTED BLACK.
 3. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE MAST ARM FOUNDATION LOCATIONS AND THE REQUIRED MAST ARM LENGTHS PRIOR TO ORDERING THE MAST ARM EQUIPMENT.

LEGEND

---	EXISTING RIGHT-OF-WAY
////	EXISTING PERMANENT EASEMENT
////	PROPOSED PERMANENT EASEMENT
////	PROPOSED TEMPORARY EASEMENT
---	PROPOSED RIGHT-OF-WAY

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA. LIGHT DETECTOR AMPLIFIERS SHALL BE OPTICOM MODEL 764 MULTIMODE PHASE SELECTORS.



USER NAME =	gchriss	DESIGNED -	JRS	REVISED -	11/01/2011
FILE NAME =	684_s1g02b_vaughn01.dgn	DRAWN -	BAH	REVISED -	
PLOT SCALE =		CHECKED -	APS	REVISED -	
PLOT DATE =	6/4/2013	DATE -	01/25/2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

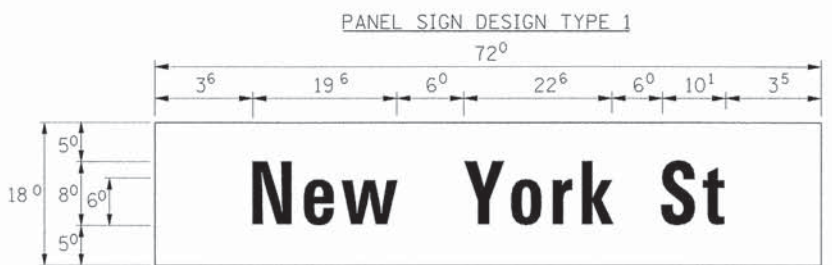
TRAFFIC SIGNAL INSTALLATION PLAN
VAUGHN ROAD /VAUGHN CIRCLE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

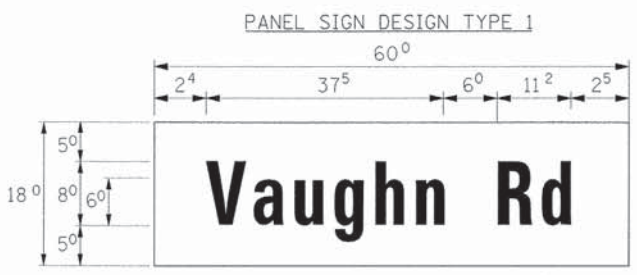
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	106
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63838	

DATE	
BY	
PLAN	
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FILE NAME	
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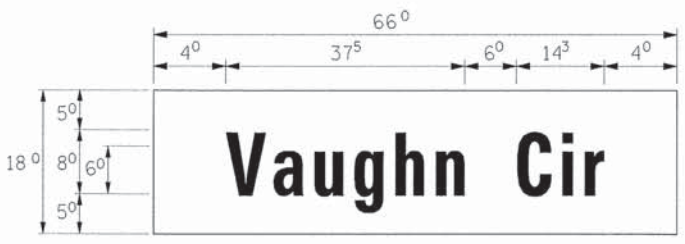
DATE	
BY	
PROFILE	
NOTED	
NO.	
FILE NAME	
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MA-1
9.00 Sq. Ft each
2 Required
Design Series D



MA-2
7.50 Sq. Ft each
2 Required
Design Series D



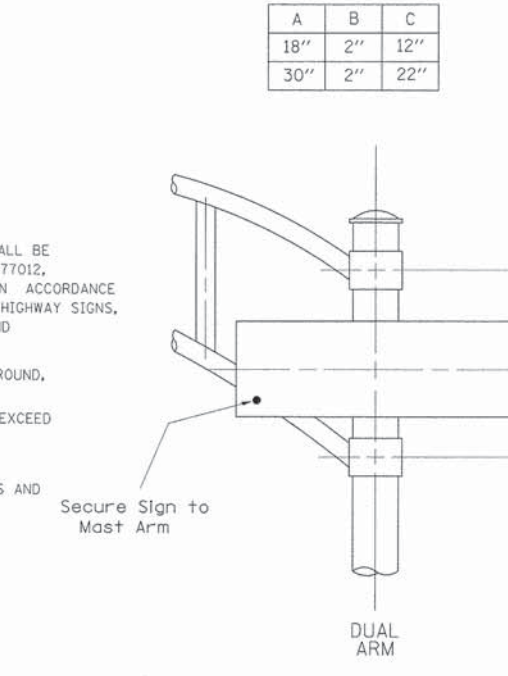
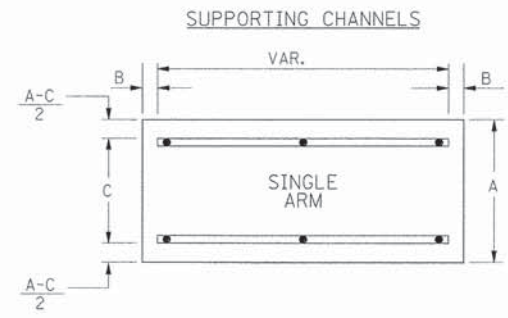
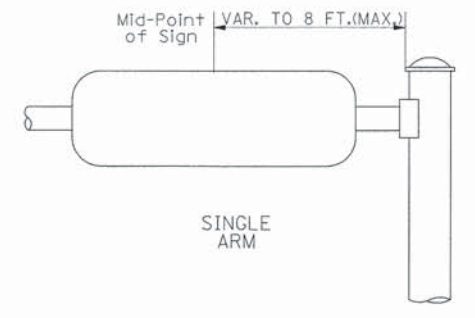
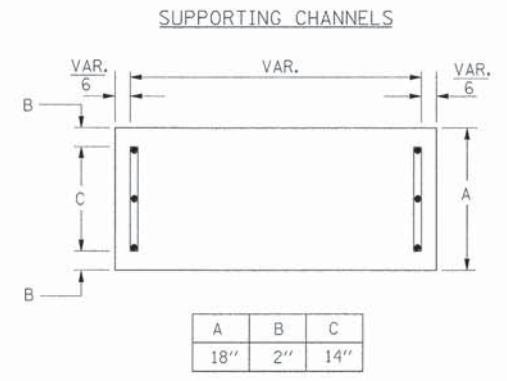
MA-3
8.25 Sq. Ft each
2 Required
Design Series D

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 HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

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



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2 3/8" DENOTES 3/8"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O O R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12	i	11	11
J	30	36	40	50	j	20	22
K	32	41	43	54	k	35	42
L	30	35	40	47	l	11	11
M	37	45	51	61	m	60	70
N	32	40	43	53	n	35	42
O	34	42	45	55	o	36	43
P	32	40	43	53	p	35	42
Q	34	42	45	55	q	35	42
R	32	40	43	53	r	26	32
S	32	40	43	53	s	36	42
T	30	35	40	47	t	27	32
U	32	40	43	53	u	35	42
V	35	44	47	60	v	42	47
W	44	52	60	70	w	55	64
X	34	40	45	53	x	44	51
Y	36	50	50	66	y	46	53
Z	32	40	43	53	z	36	43

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55



HRGreen.com
#104-001322

USER NAME: gchrsaa
FILE NAME: 604_s1g02d_v Vaughn.dgn
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 6/4/2013

DESIGNED - JRS
DRAWN - BAH
CHECKED - APS
DATE - 01/25/2013

REVISED - 11/01/2011
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED
STREET NAME SIGNS
VAUGHN ROAD /VAUGHN CIRCLE

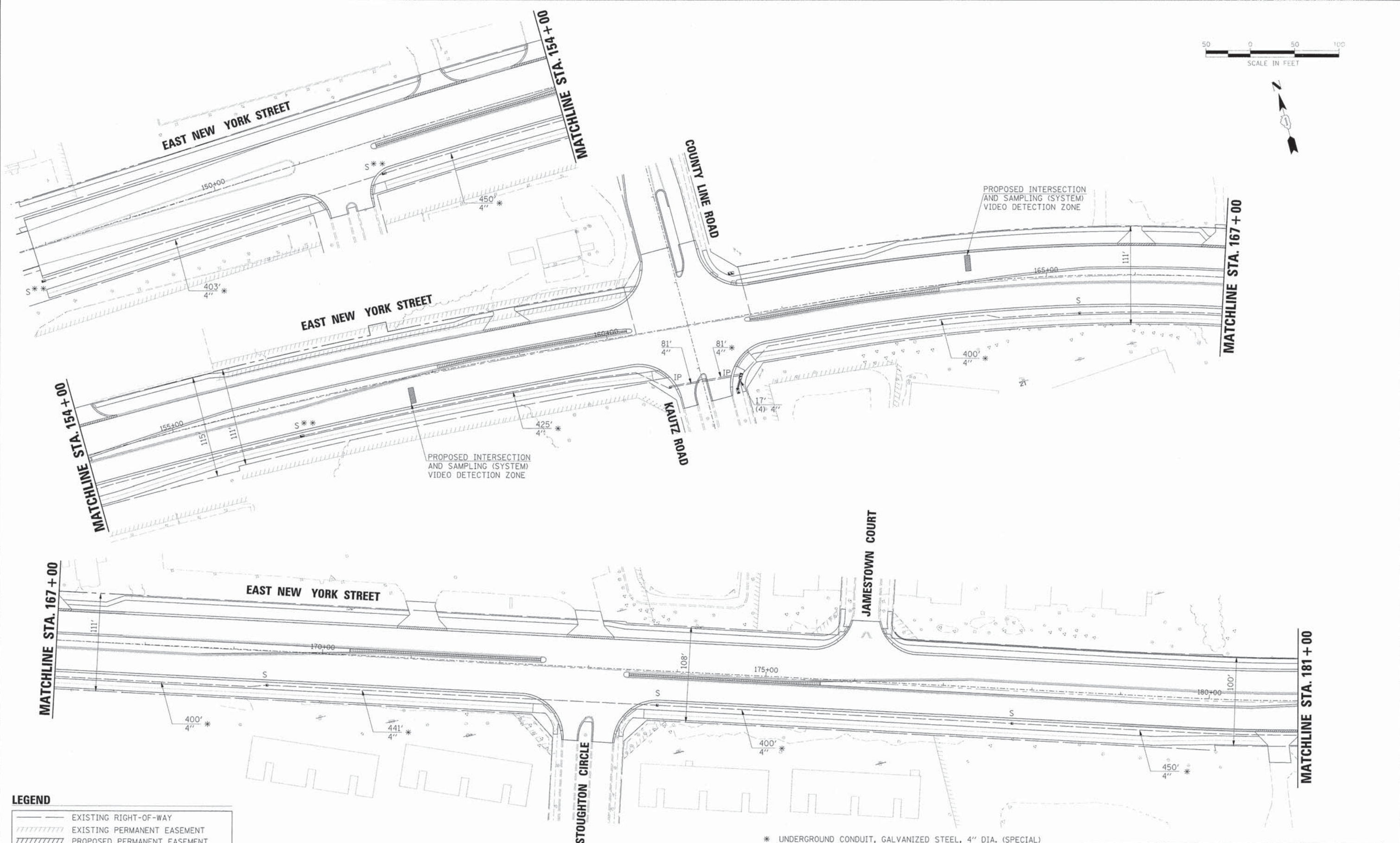
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. R.T.E. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 108
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63838	



PLAN	DATE
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	

PROFILE	DATE
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	



LEGEND

	EXISTING RIGHT-OF-WAY
	EXISTING PERMANENT EASEMENT
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT
	PROPOSED RIGHT-OF-WAY

- * UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (SPECIAL)
(SEE DETAILS AND SPECIAL PROVISIONS)
- ** HANDHOLE (SPECIAL)
(SEE DETAILS AND SPECIAL PROVISIONS)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



USER NAME = gchrs	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 604_sig_int01.dgn	DRAWN - BAH	REVISED -
PLOT SCALE *	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
(SHEET 1 OF 2)

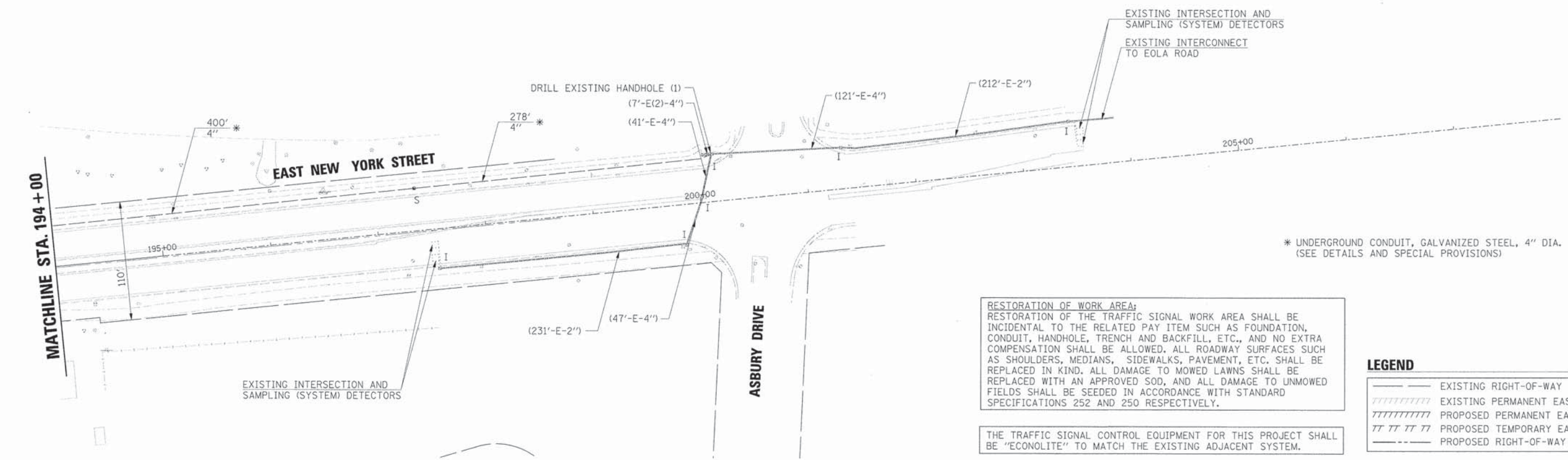
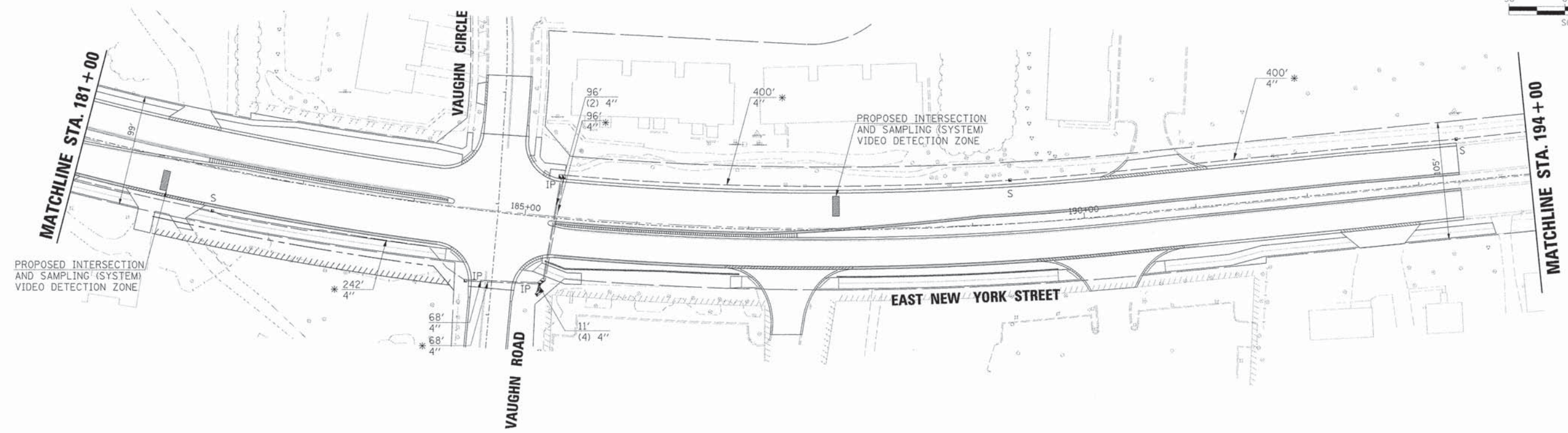
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	109
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63838	



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	DATE _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	DATE _____	



* UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (SPECIAL)
(SEE DETAILS AND SPECIAL PROVISIONS)

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

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

	EXISTING RIGHT-OF-WAY
	EXISTING PERMANENT EASEMENT
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT
	PROPOSED RIGHT-OF-WAY



USER NAME = gchris	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 604_sig_int02.dgn	DRAWN - BAH	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

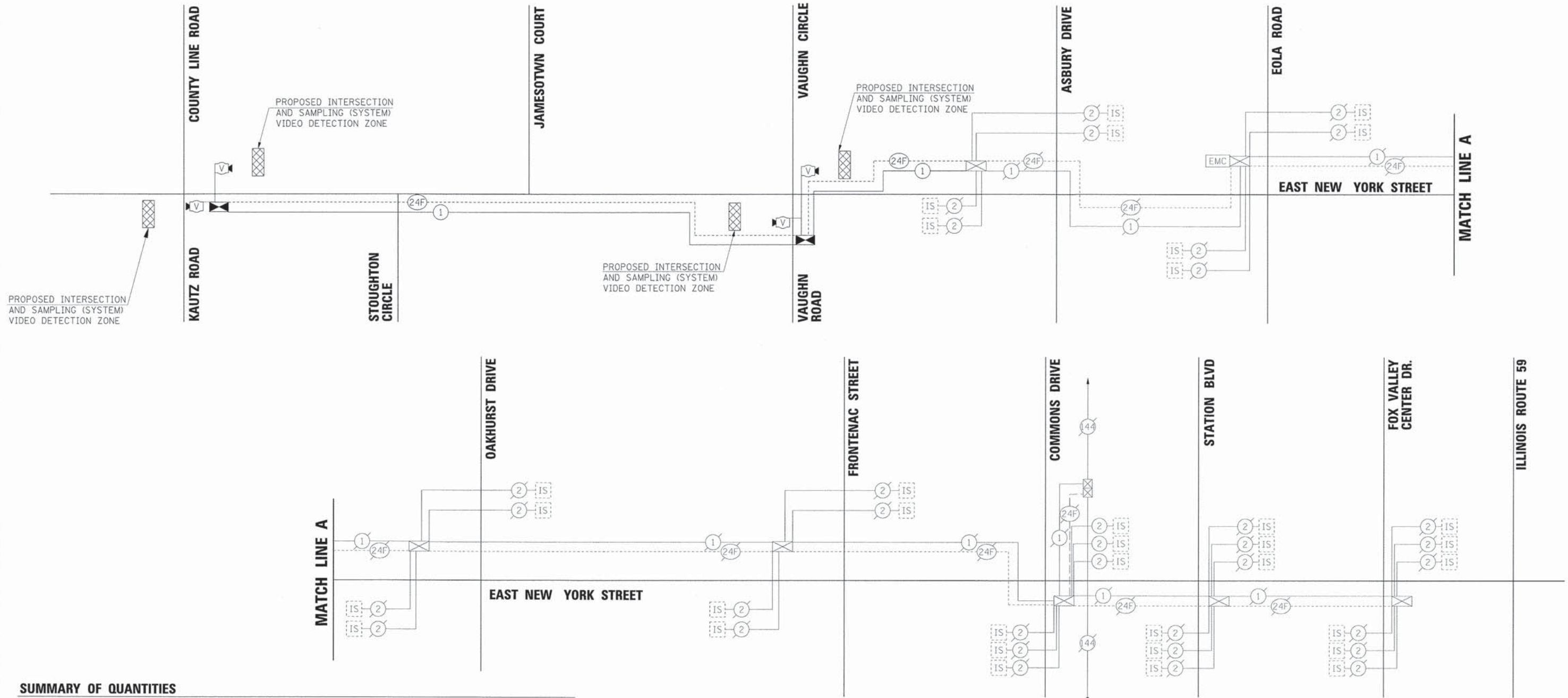
**INTERCONNECT PLAN
(SHEET 2 OF 2)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	110
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63838	

PLAN	SUBMITTED	DATE
	PLOTTED	
	REVISIONS	
	BY	
	DATE	
	NO.	
	NOTE BOOK	
	NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	REVISIONS	
	BY	
	DATE	
	NO.	
	NOTE BOOK	
	NO.	
	FILE NAME	



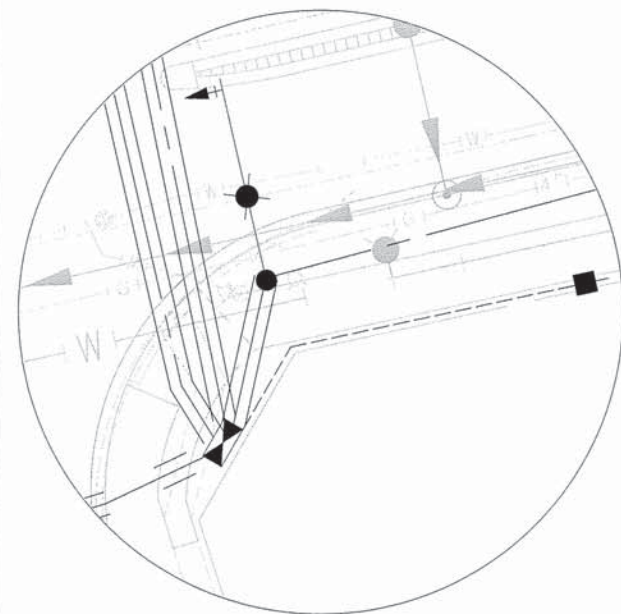
SUMMARY OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	INTERCONNECT
HANDHOLE	EACH	7
TRANSCEIVER - FIBER OPTIC	EACH	2
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4196
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4196
DRILL EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (SPECIAL)	FOOT	5334

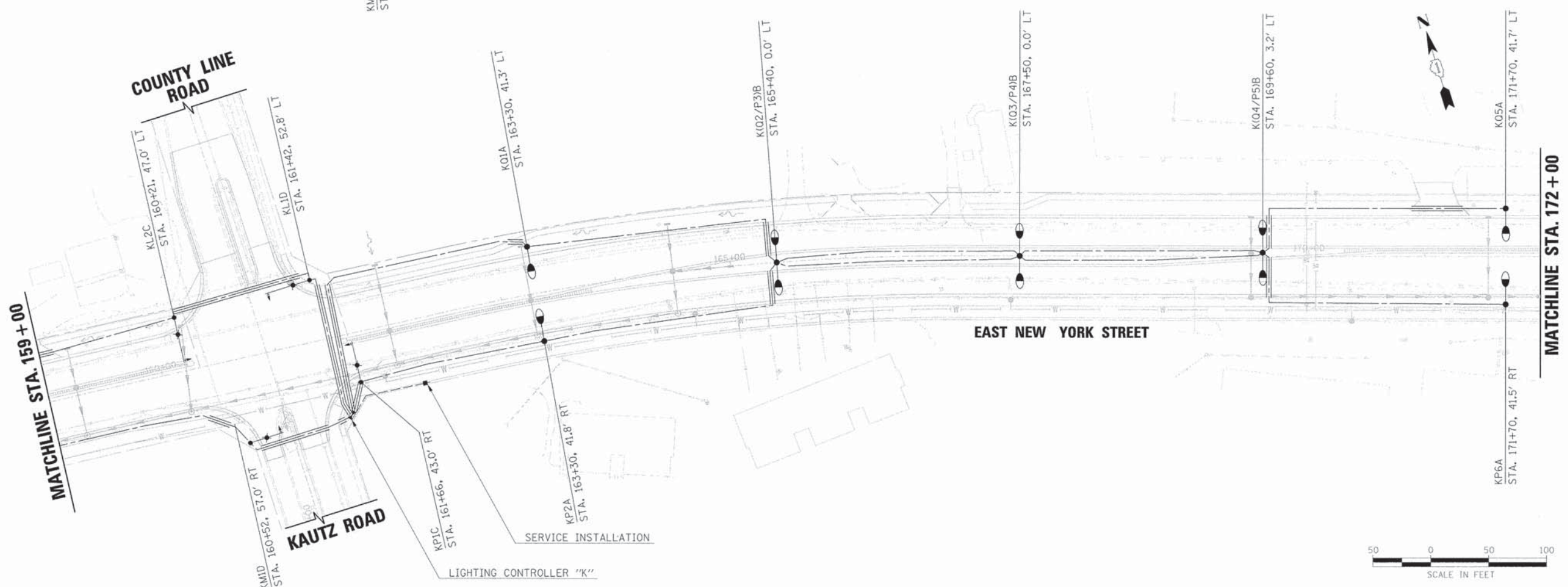
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO. _____		
	CADD FILE NAME		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO. _____		
	STRUCTURE NO./TYPE		
	CH/NO		



KAUTZ ROAD/COUNTY LINE ROAD INTERSECTION ENLARGED VIEW (NOT TO SCALE)



USER NAME =	gchris	DESIGNED -	JRS	REVISED -	11/01/2011
FILE NAME =	684_lg182.pln.dgn	DRAWN -	BAH	REVISED -	
PLOT SCALE =		CHECKED -	APS	REVISED -	
PLOT DATE =	6/4/2013	DATE -	01/25/2013	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

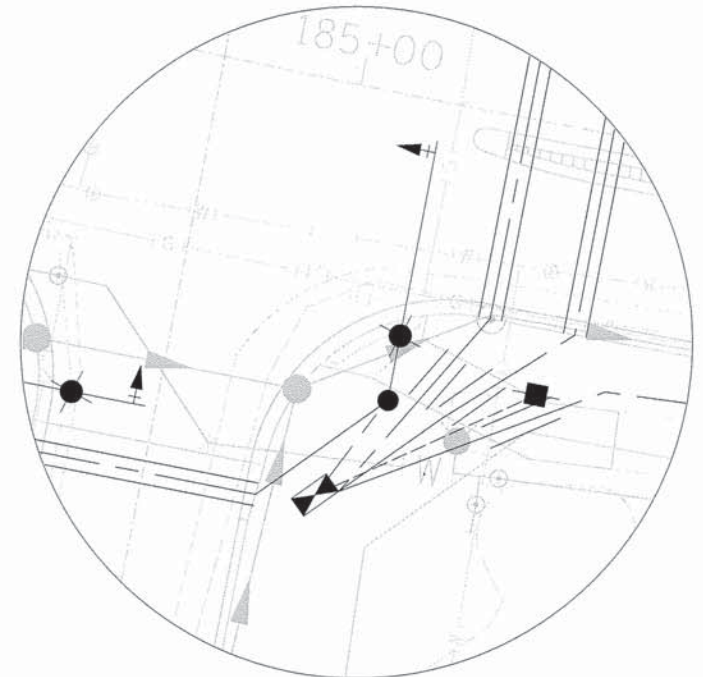
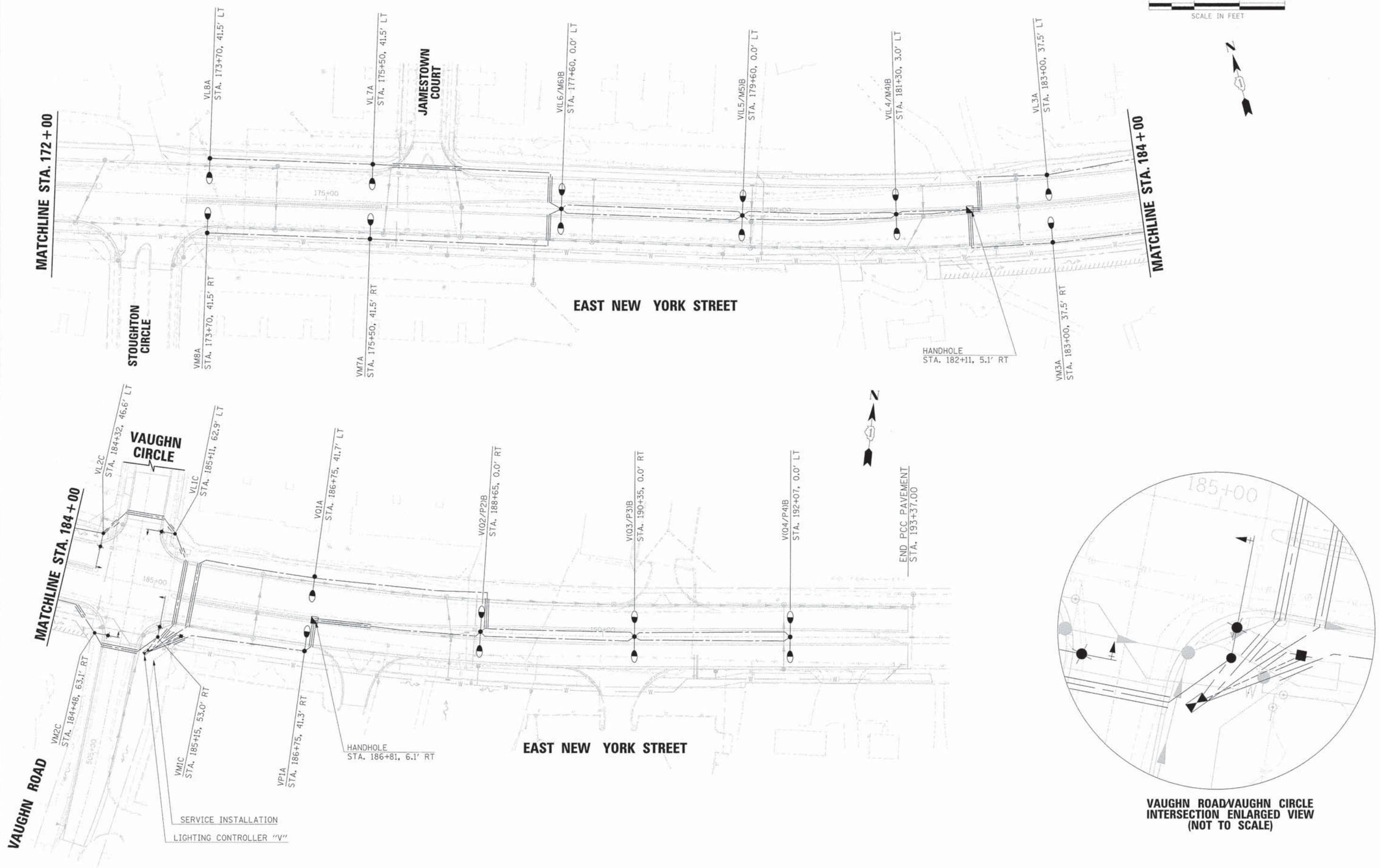
**LIGHTING PLANS
(SHEET 1 OF 2)**

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	113
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63838	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	DATE		
	NO. OF RAY CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	DATE		
	STRUCTURE NOTATIONS CHKD		
	NO.		



VAUGHN ROAD/VAUGHN CIRCLE INTERSECTION ENLARGED VIEW (NOT TO SCALE)



USER NAME =	gch-rss	DESIGNED -	JRS	REVISED -	11/01/2011
FILE NAME =	604_lg03.pln.dgn	DRAWN -	BAH	REVISED -	
PLOT SCALE =		CHECKED -	APS	REVISED -	
PLOT DATE =	6/4/2013	DATE -	01/25/2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

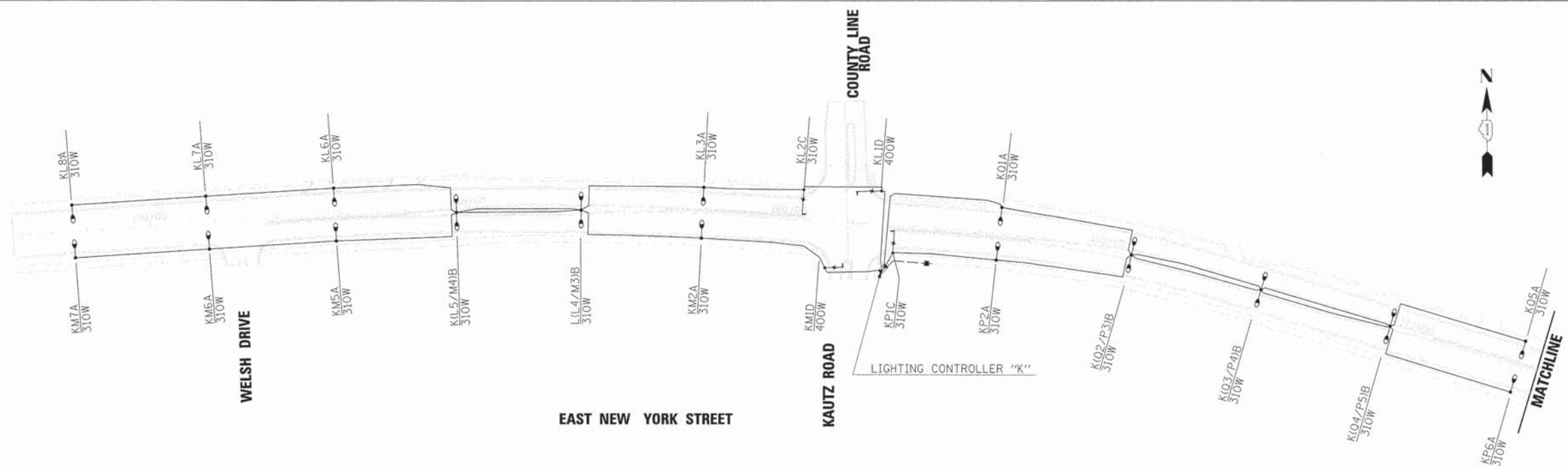
LIGHTING PLANS
(SHEET 2 OF 2)

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	114
CONTRACT NO. 63838				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	



EAST NEW YORK STREET

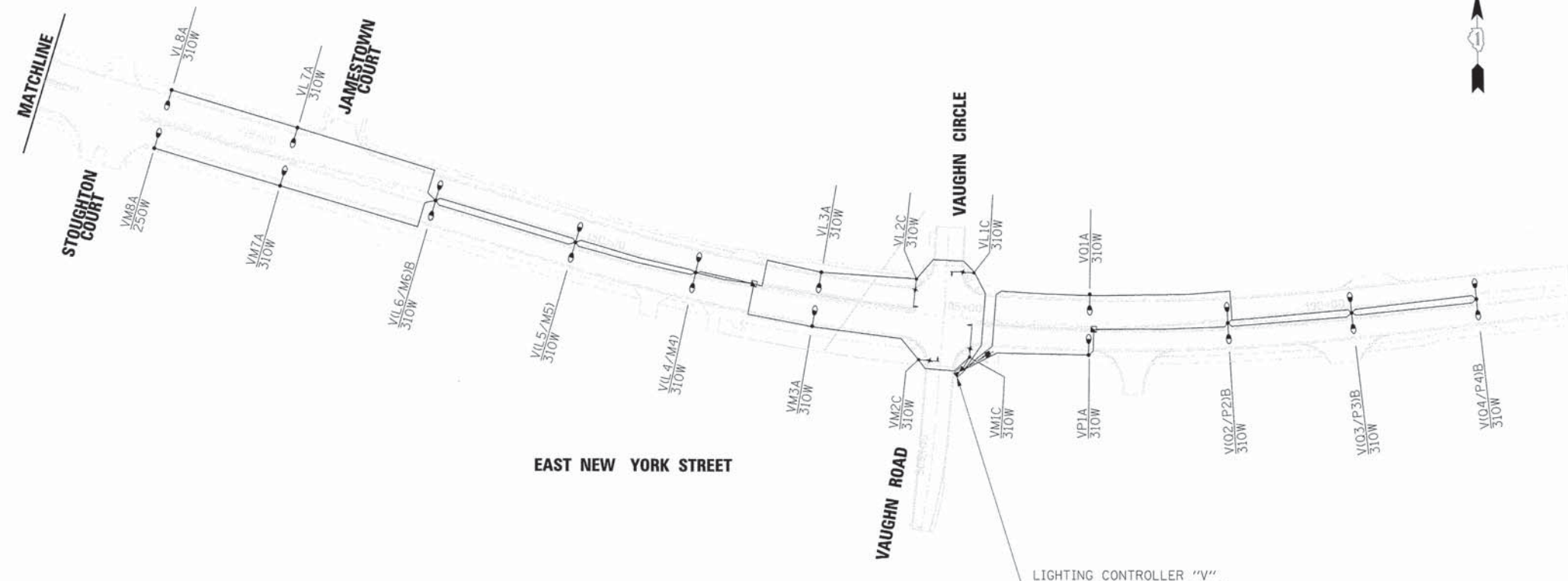
LEGEND

- LUMINAIRE
- ⊕ COMBINATION SIGNAL/LIGHTING UNIT
- ⊞ LIGHTING CONTROLLER
100 AMP - 120/240 VOLT. 1 PHASE
- 3 1/C #6 & 1/C #8 GND
600 V (XLP - TYPE USED-2)
- ⊞ SERVICE INSTALLATION

LUMINAIRE SCHEDULE

TYPE	POWER (W)*	DISTRIBUTION	ORIENTATION	SIGNAL	COMMENTS
A	310	III	SINGLE	N	
B	310	III	TWIN	N	
C	310	III	SINGLE	COMBO	*
D	400	III	SINGLE	COMBO	*

* TYPE C AND D LUMINAIRE SHALL BE INSTALLED ON SIGNAL POLES.



EAST NEW YORK STREET

LIGHTING CONTROLLER "V"

LOAD TABULATION FOR LIGHTING CONTROLLER "K"

CIRCUIT	HPS 310W	HPS 400W	WATTAGE
L	7	1	3,730
M	6	1	3,250
P	6	0	2,880
O	5	0	2,400

TOTAL: 12,260

LOAD TABULATION FOR LIGHTING CONTROLLER "V"

CIRCUIT	HPS 310W	WATTAGE
L	8	2,460
M	7	2,960
P	4	1,480
O	4	8,880

TOTAL: 7,440



USER NAME = gchris
 FILE NAME = 684_1g484_wired.dgn
 PLOT SCALE =
 PLOT DATE = 6/4/2013

DESIGNED - JRS
 DRAWN - BAH
 CHECKED - APS
 DATE - 01/25/2013

REVISED - 11/01/2011
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

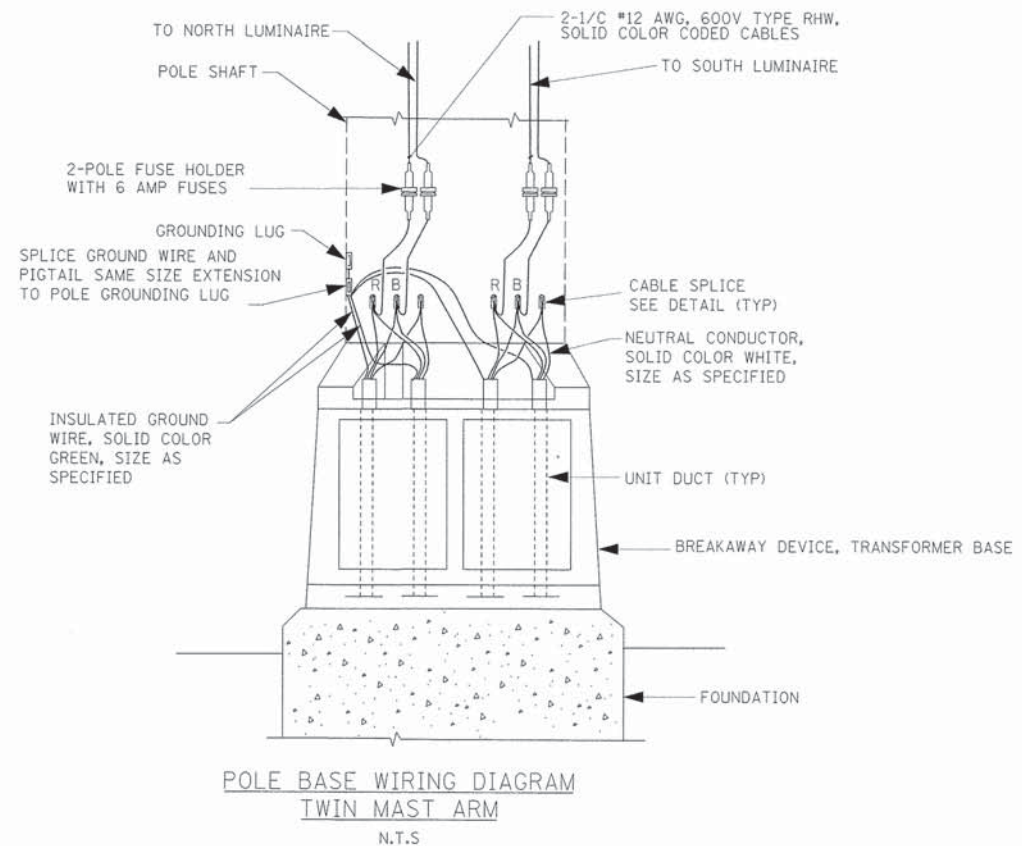
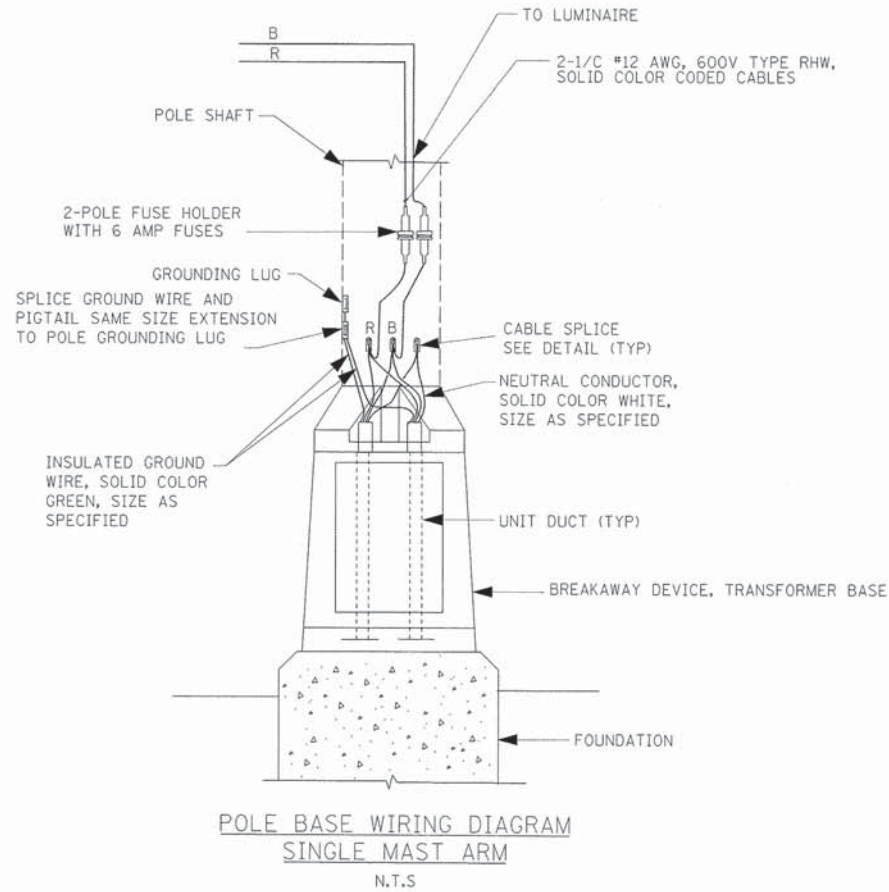
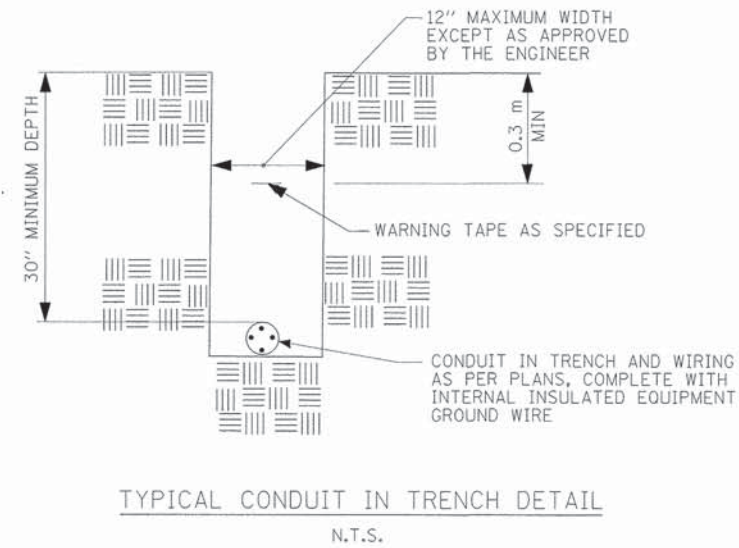
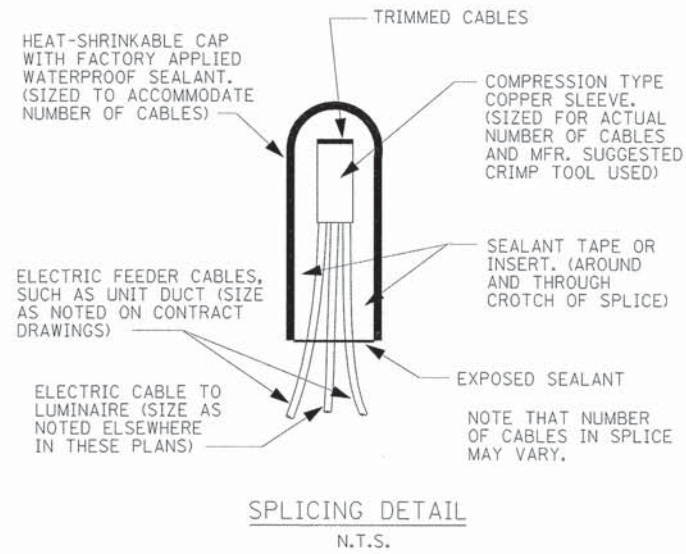
WIRING DIAGRAM
 (SHEET 1 OF 1)

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	115
CONTRACT NO. 63838				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

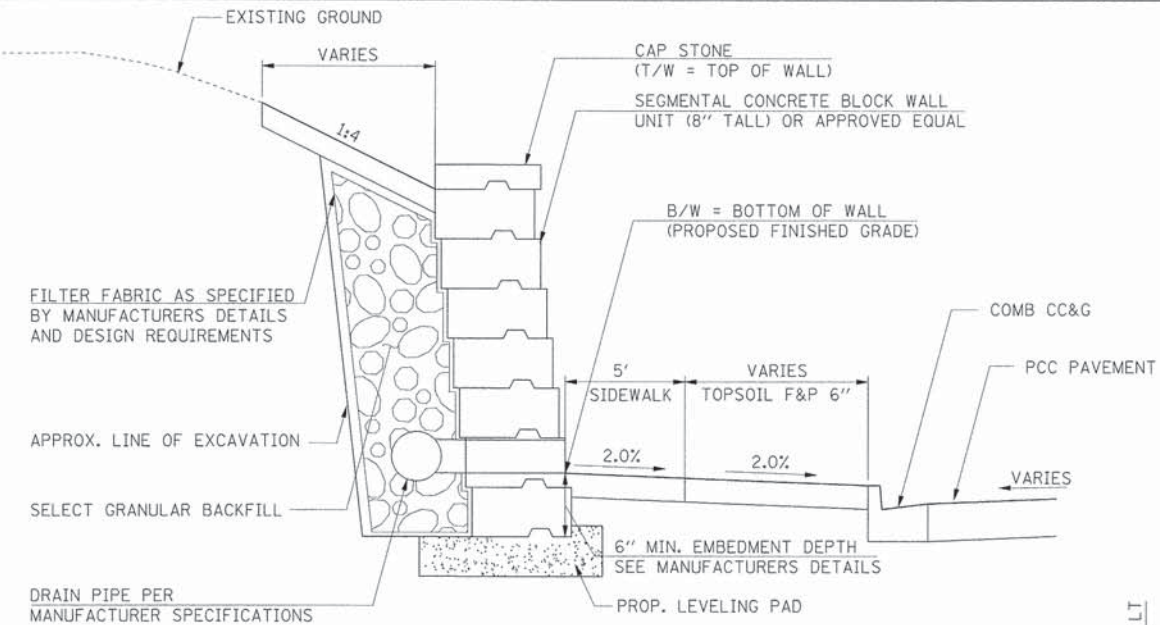
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	NO. OF SHEETS	
	CAD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	NO. OF SHEETS	
	STRUCTURE NOTATION	
	NO.	

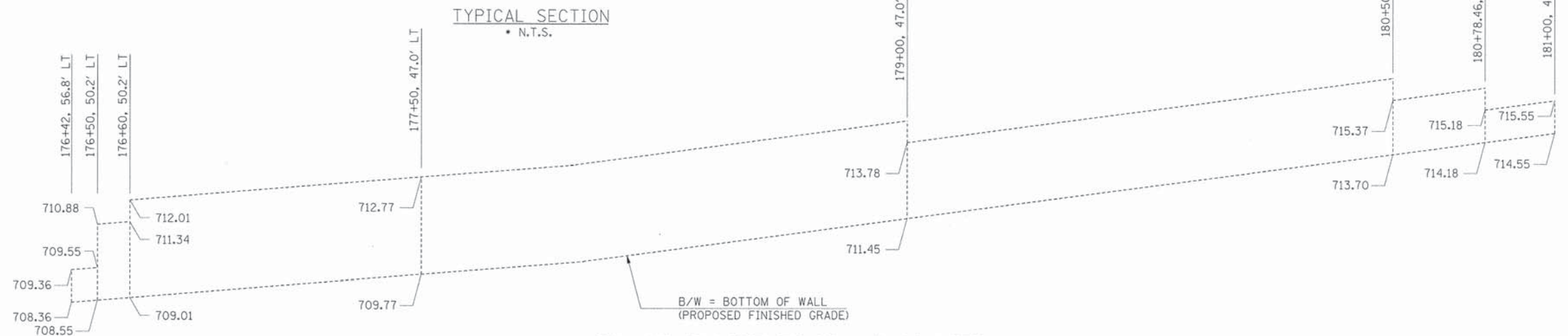


PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS DRWG	
	NO.	



- SEGMENTAL CONCRETE BLOCK WALL NOTES:**
1. WALL SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. IF CONTRACTOR IS TO DEVIATE WITH AN ALTERNATE WALL DESIGN, PROPER WALL SECTIONS AND INSTALLATION SPECIFICATIONS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 2. WALL DIMENSIONS WILL VARY DEPENDING ON WHICH TYPE OF BLOCK USED.
 3. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



STA. 176+42 (LEFT) TO STA. 181+00 (LEFT)
PAY AREA = 1409 SQ FT

- LEGEND**
- INDICATES AREAS OF REVERSE PITCHED CURB AND GUTTER
 - INDICATES AREAS OF DEPRESSED CURB
 - INDICATES AREAS OF BRICK PAVERS
 - EXISTING R.O.W.
 - PROPOSED R.O.W.
 - EX./PR. TEMPORARY EASEMENT
 - EX./PR. PERMANENT EASEMENT

STA. 176+42, 56.7' LT
ELEV = 709.36 (T/W)
ELEV = 708.36 (B/W)

STA. 181+00, 47.0' LT
ELEV = 715.55 (T/W)
ELEV = 714.55 (B/W)



USER NAME = gchris	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 684_rst01.ny.dgn	DRAWN - BAH	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

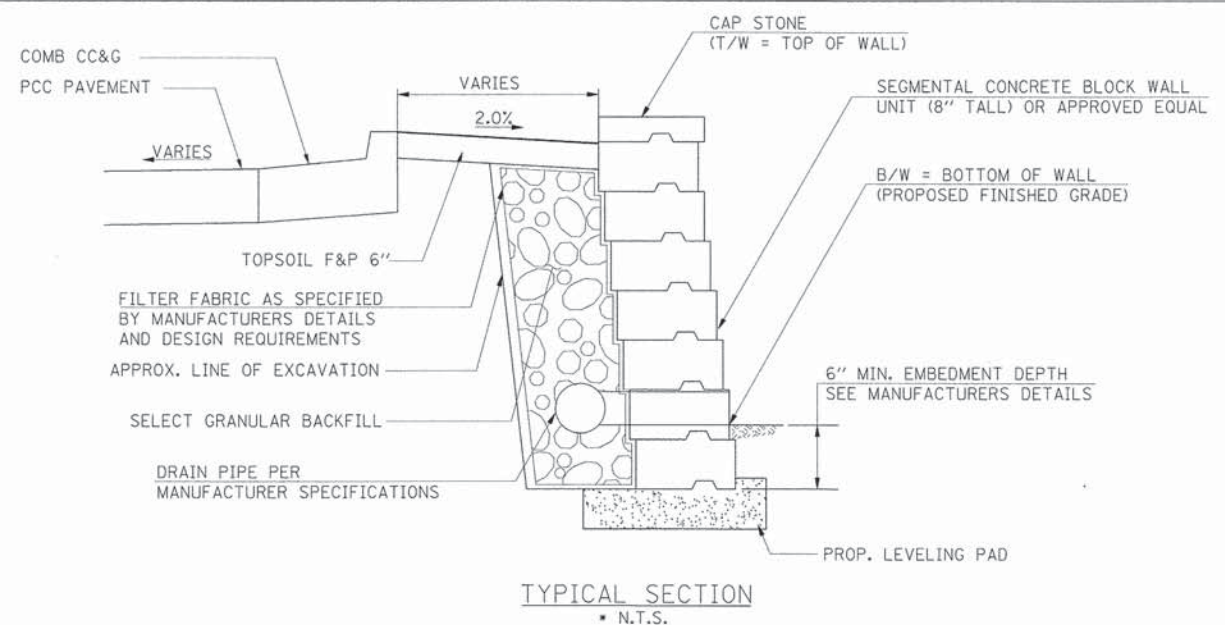
SEGMENTAL CONCRETE BLOCK WALL DETAILS
(SHEET 1 OF 2)

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	117
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63838	

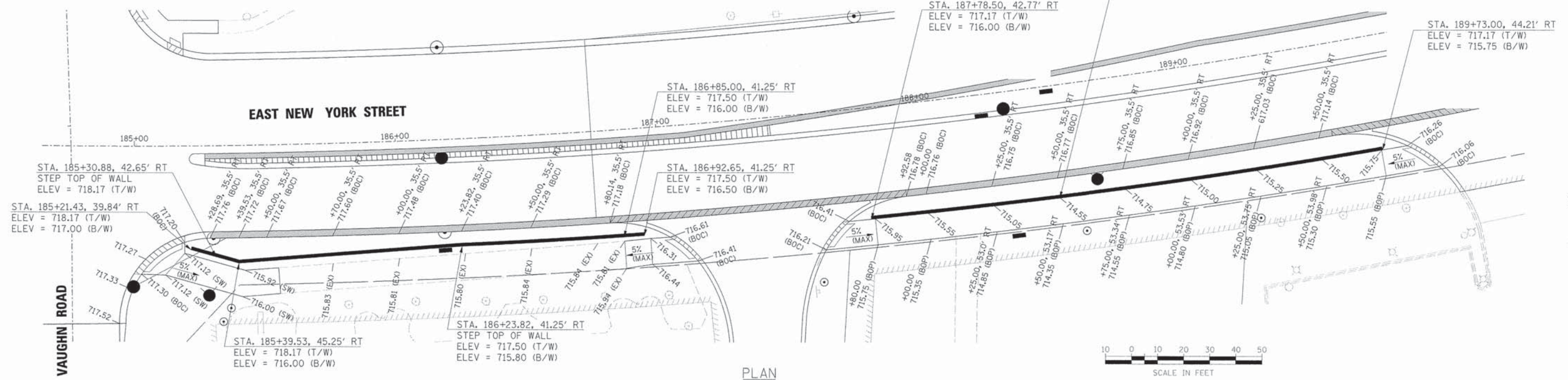
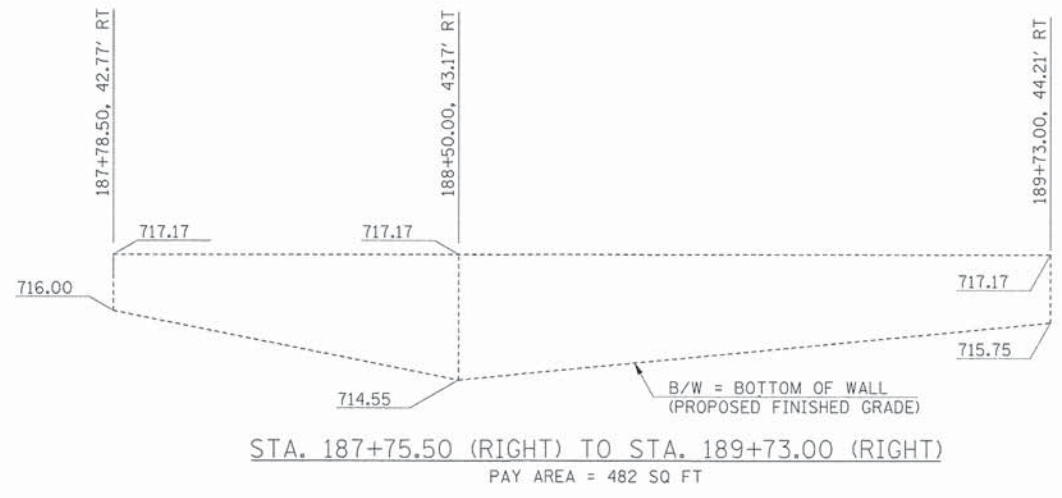
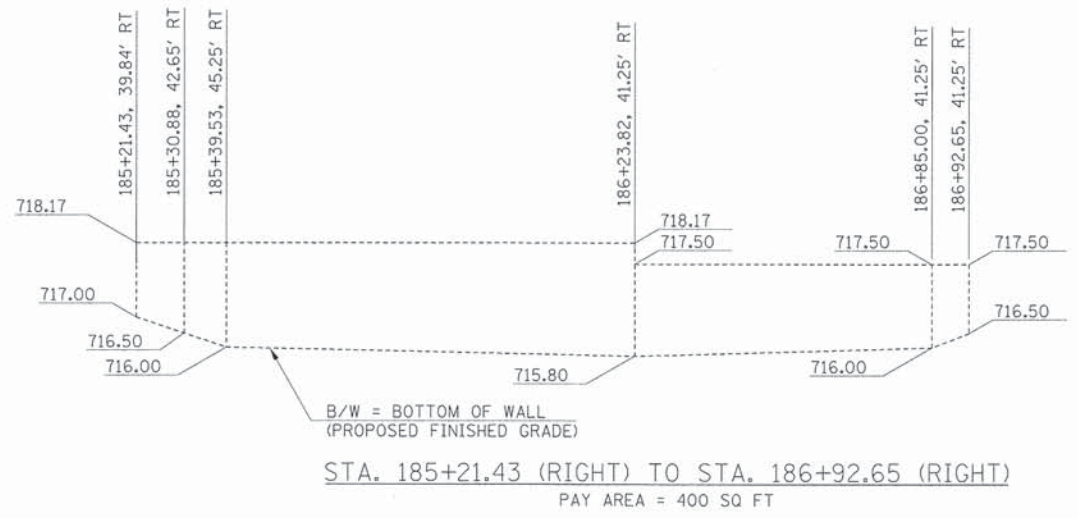
PLAN	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	CADD FILE NAME	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	



- SEGMENTAL CONCRETE BLOCK WALL NOTES:**
1. WALL SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. IF CONTRACTOR IS TO DEVIATE WITH AN ALTERNATE WALL DESIGN, PROPER WALL SECTIONS AND INSTALLATION SPECIFICATIONS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 2. WALL DIMENSIONS WILL VARY DEPENDING ON WHICH TYPE OF BLOCK USED.
 3. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

- LEGEND**
- INDICATES AREAS OF REVERSE PITCHED CURB AND GUTTER
 - INDICATES AREAS OF DEPRESSED CURB
 - INDICATES AREAS OF BRICK PAVERS
 - EXISTING R.O.W.
 - PROPOSED R.O.W.
 - EX./PR. TEMPORARY EASEMENT
 - EX./PR. PERMANENT EASEMENT



USER NAME =	gchriess	DESIGNED -	JRS	REVISED -	11/01/2011
FILE NAME =	604_ret02.ny_02.dgn	DRAWN -	BAH	REVISED -	
PLOT SCALE =		CHECKED -	APS	REVISED -	
PLOT DATE =	6/4/2013	DATE -	01/25/2013	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SEGMENTAL CONCRETE BLOCK WALL DETAILS
(SHEET 2 OF 2)**

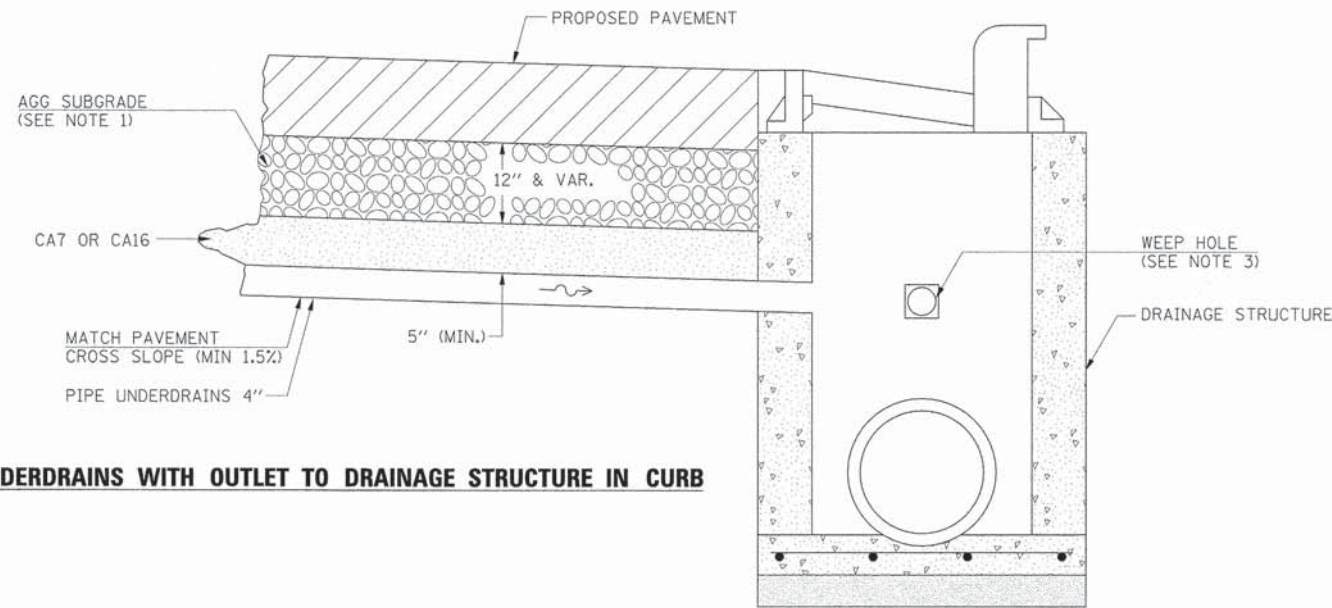
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	118
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63838	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	DATE	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	DATE	
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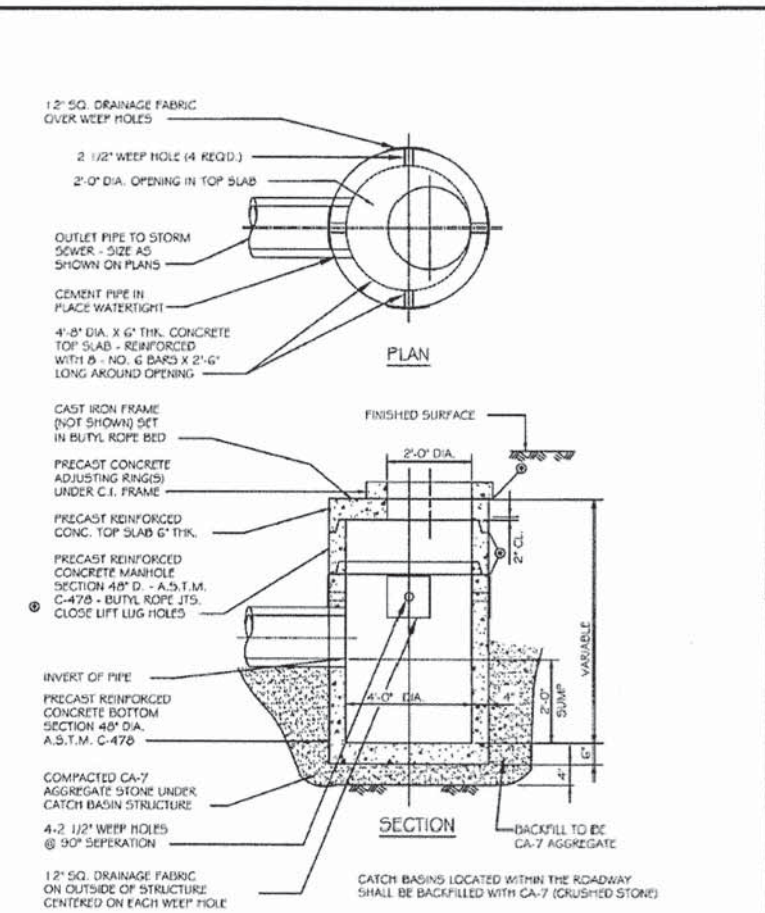
PIPE UNDERDRAINS WITH OUTLET TO DRAINAGE STRUCTURE IN CURB



NOTES:

1. TRANSVERSE PIPE UNDERDRAINS SHALL BE INSTALLED ACROSS THE BOTTOM OF THE AGGREGATE SUBGRADE AT ALL LOCATIONS WHERE THERE IS A SAG IN THE PROPOSED PROFILE GRADE LINE (PGL). SEE PLAN AND PROFILES FOR SAG LOCATIONS. THIS WORK SHALL COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.
2. DRAINAGE STRUCTURES (CATCH BASINS OR INLETS PER PLANS) WHICH ARE LOCATED AT PGL SAG LOCATIONS SHALL INCLUDE FOUR (4) WEEP HOLES, INCLUDING DRAINAGE FABRIC, IN ACCORDANCE WITH CITY OF AURORA STANDARDS (SEE DETAILS BELOW). ALL OTHER DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH TYPICAL IDOT HIGHWAY STANDARDS.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED, WHICH PRICE SHALL INCLUDE THE CA7 OR CA16. ALL EQUIPMENT, LABOR AND MATERIALS REQUIRED TO CONNECT THE PIPE UNDERDRAINS TO THE PROPOSED DRAINAGE STRUCTURES, AS WELL AS THE ADDITION OF WEEP HOLES AND DRAINAGE FABRIC, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE DRAINAGE STRUCTURES.

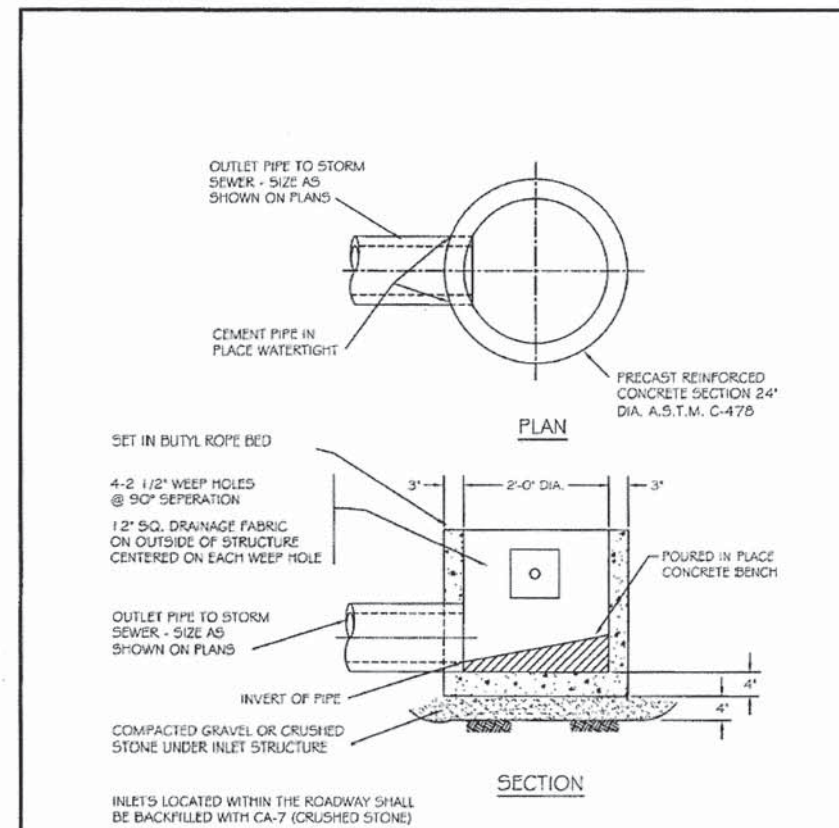
STORM WATER CATCH BASIN TYPE - B



REVISIONS		CATCH BASIN DETAIL	
DATE:	BY:	SCALE:	CHECKED: DF
		NOT TO SCALE	DF
DATE:		DRAWN:	NM
			EXHIBIT III-A-4

CITY OF AURORA CATCH BASIN (PGL SAG LOCATIONS ONLY)

STORM WATER INLET TYPE - A



REVISIONS		STORM INLET DETAIL	
DATE:	BY:	SCALE:	CHECKED: DF
		NOT TO SCALE	DF
DATE:		DRAWN:	NM
			EXHIBIT III-A-5

CITY OF AURORA INLET (PGL SAG LOCATIONS ONLY)



USER NAME	= gchr1ss
FILE NAME	= 604.d0t02.dgn
PLOT SCALE	=
PLOT DATE	= 6/4/2013

DESIGNED	= JRS	REVISED	= 11/01/2011
DRAWN	= BAH	REVISED	=
CHECKED	= APS	REVISED	=
DATE	= 01/25/2013	REVISED	=

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

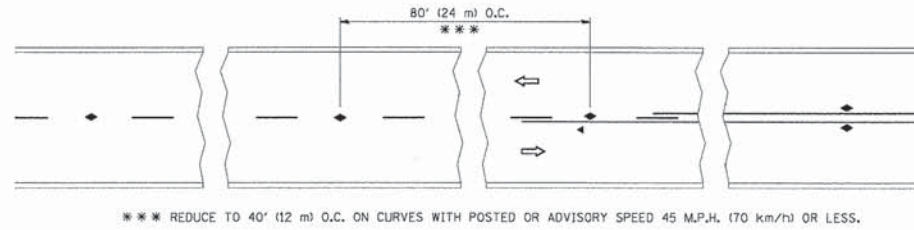
**MISCELLANEOUS DETAILS
(SHEET 2 OF 12)**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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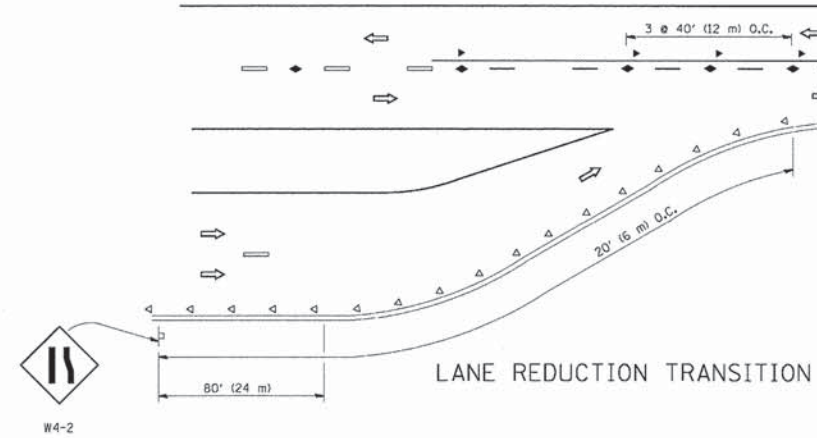
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	120
CONTRACT NO. 63838				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	CADD FILE NAME	
	NO.	

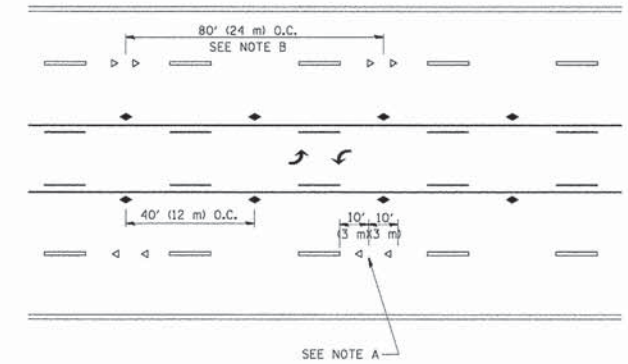
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	STRUCTURE NOTATIONS	
	NO.	



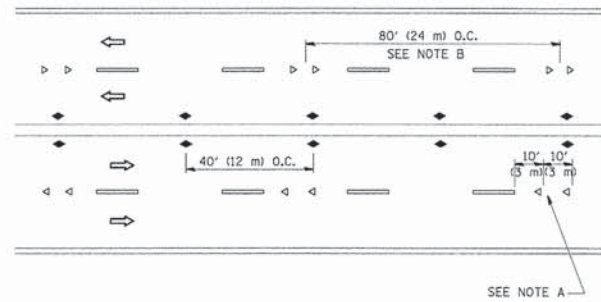
TWO-LANE/TWO-WAY



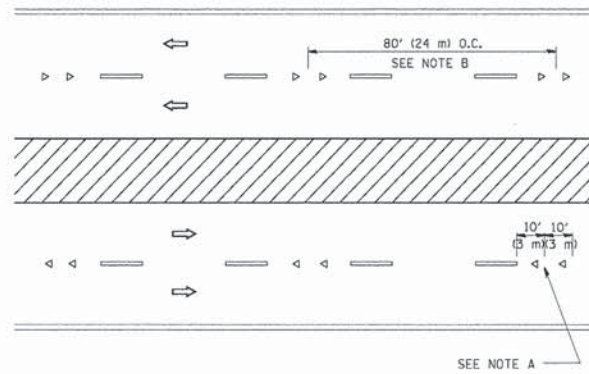
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

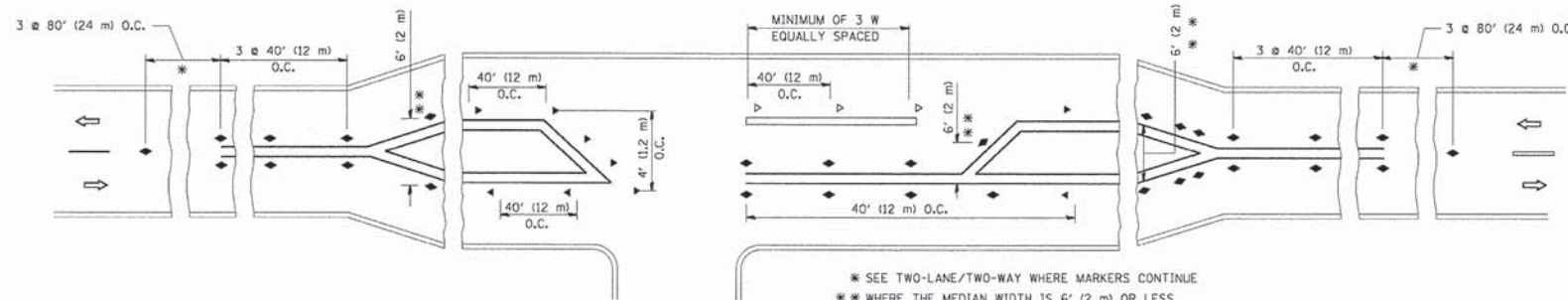
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

FILE NAME =	USER NAME = gchris	DESIGNED -	REVISOR -
604_drt03.dgn	gchris	JRS	T. RAMMACHER 09-19-94
		DRAWN -	REVISOR -
		BAH	T. RAMMACHER 03-12-99
		CHECKED -	REVISOR -
		APS	T. RAMMACHER 01-06-00
		DATE -	REVISOR -
		01/25/2013	C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	121
TC-11		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



USER NAME = gchris	DESIGNED -	REVISOR -
604_drt03.dgn	JRS	11/01/2011
	DRAWN -	REVISOR -
	BAH	
	CHECKED -	REVISOR -
	APS	
	DATE -	REVISOR -
	01/25/2013	

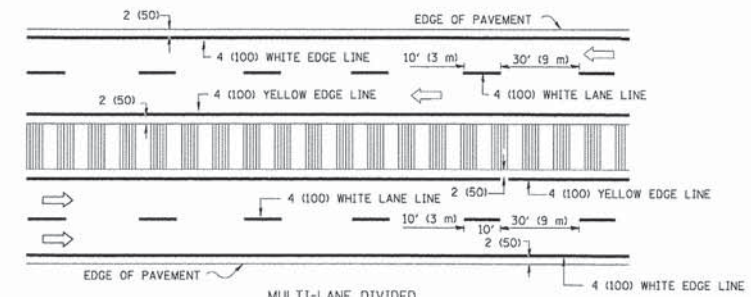
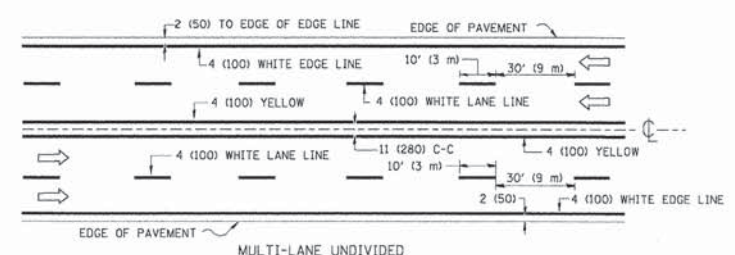
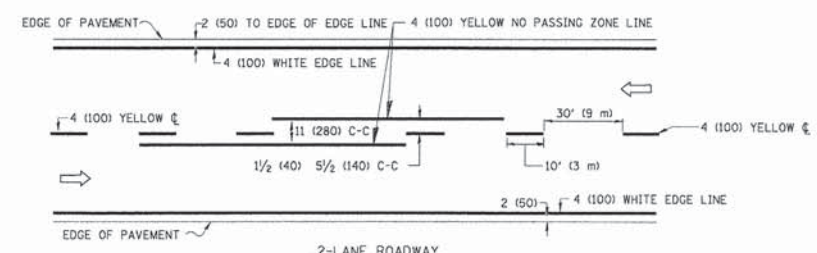
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
(SHEET 3 OF 12)

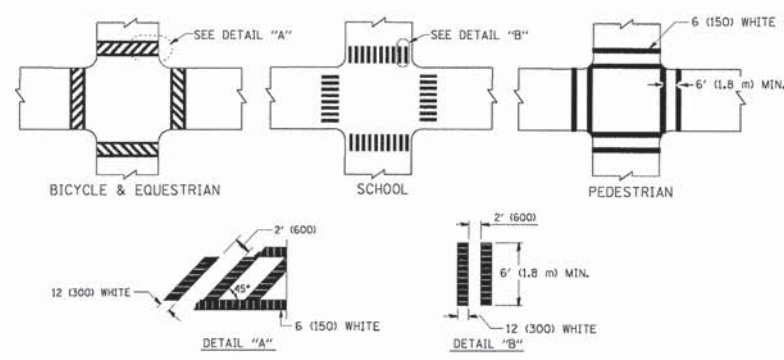
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	121
TC-11		CONTRACT NO. 63838		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN
 SURVEYED BY: _____ DATE: _____
 PLOTTED BY: _____
 CHECKED BY: _____
 REVISIONS: _____
 NO. _____

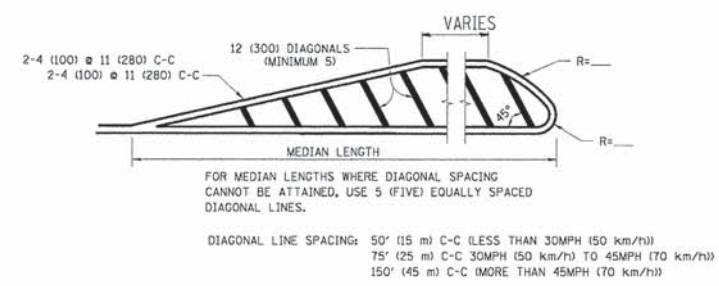
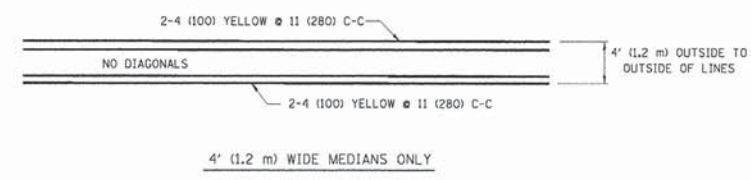
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 NO. _____



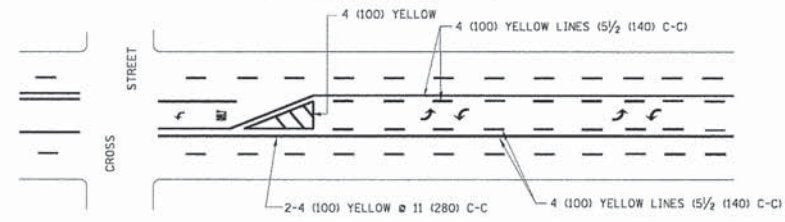
TYPICAL LANE AND EDGE LINE MARKING



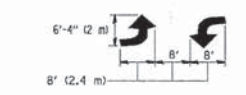
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE

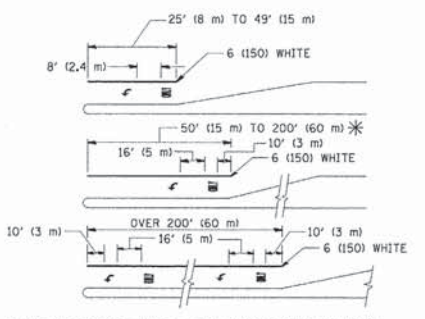


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

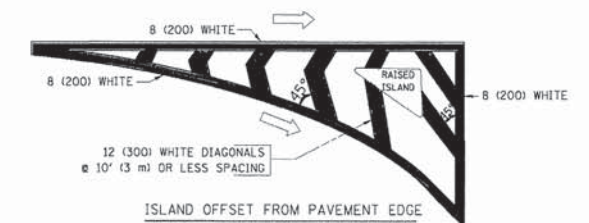


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

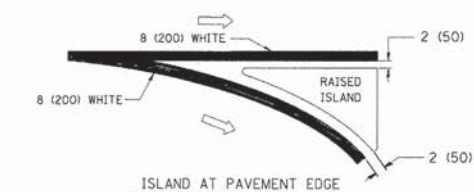
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8" (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=94.0 SQ. FT. (8.7 m ²)
SHOULDER DIAGONALS	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))

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.

FILE NAME =	USER NAME = drsvkeosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
ca:\pav_mrk\pavdot\drsvkeosgn\td0180315\td3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 1/8"=1'-0" / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

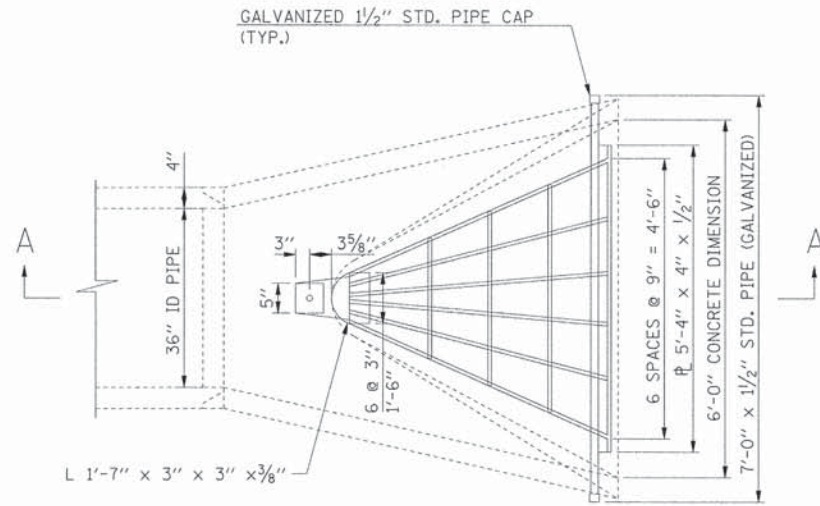
DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS						
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-13 CONTRACT NO.			
		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

USER NAME = gchrsas	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 604_dto104.dgn	DRAWN - BAH	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

MISCELLANEOUS DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(SHEET 4 OF 12)						
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	1522 07-00210-01-PV DUPAGE/KANE 167 122 CONTRACT NO. 63838			
		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

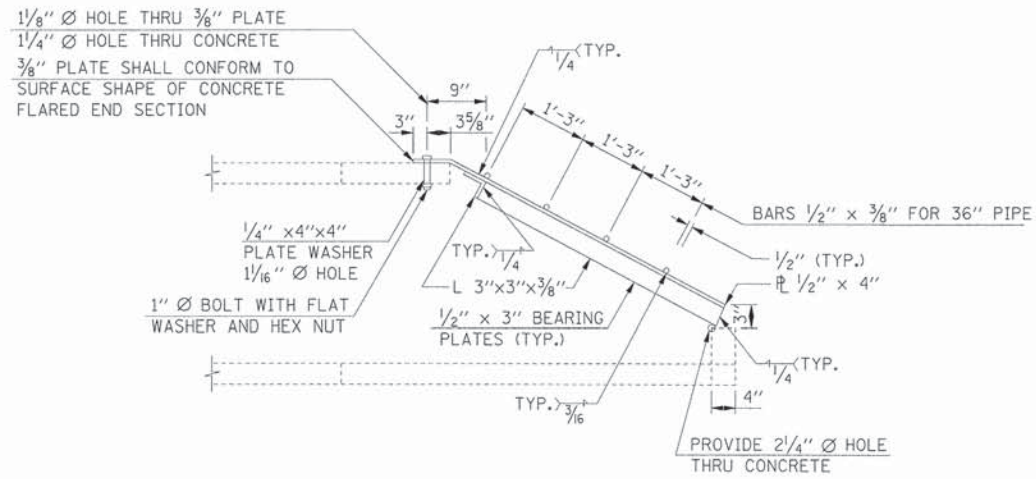
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BY	
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DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



PLAN

APPROX. WEIGHT OF STEEL = 270 LBS



SECTION A-A

GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 36"

GENERAL NOTES

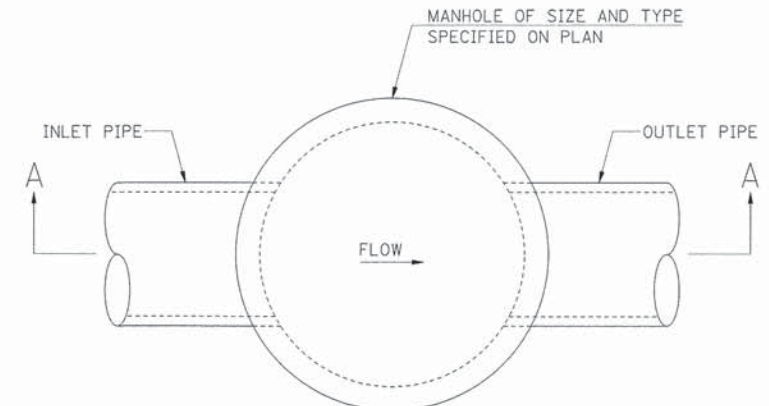
GRATING DETAILS SHOWN ARE INTENDED FOR USE WITH PARTICULAR SIZES OF PRECAST REINFORCED CONCRETE FLARED END SECTIONS AS SHOWN ON STANDARD 542306.

STRUCTURAL STEEL SHAPES AND PLATES SHALL BE ACCORDING TO THE REQUIREMENTS OF ARTICLE 1006.04 OF THE STANDARD SPECIFICATIONS.

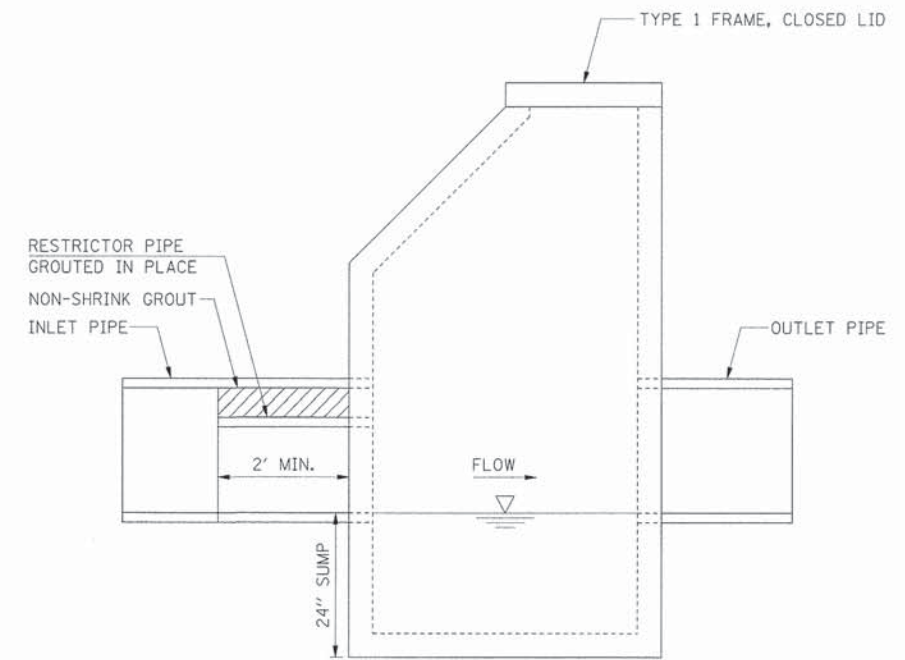
GALVANIZED STEEL PIPE SHALL BE ACCORDING TO THE REQUIREMENTS OF ARTICLE 1006.27(b) OF THE STANDARD SPECIFICATIONS. BOLTS, NUTS, AND WASHERS SHALL BE ACCORDING TO THE REQUIREMENTS OF ARTICLE 1006.27(f) AND ARTICLE 1006.08 OF THE STANDARD SPECIFICATIONS. ALL FABRICATION SHALL BE COMPLETED AND READY FOR ASSEMBLY BEFORE GALVANIZING.

THE CORED HOLES IN THE PRECAST CONCRETE FLARED END SECTIONS SHALL BE TO THE DIAMETERS NOTED. IF CONE-OUT ON THE OTHER END OF THE HOLE OCCURS, THE HOLE SHALL BE FILLED WITH GROUT TO CORRECT DIAMETER OF THE HOLE.

APPROXIMATE WEIGHT OF STEEL SHOWN INCLUDES TOTAL WEIGHT OF GRATING, BOLTS, WASHERS, NUTS AND STEEL PIPE.



PLAN



SECTION A-A

RESTRICTOR MANHOLE

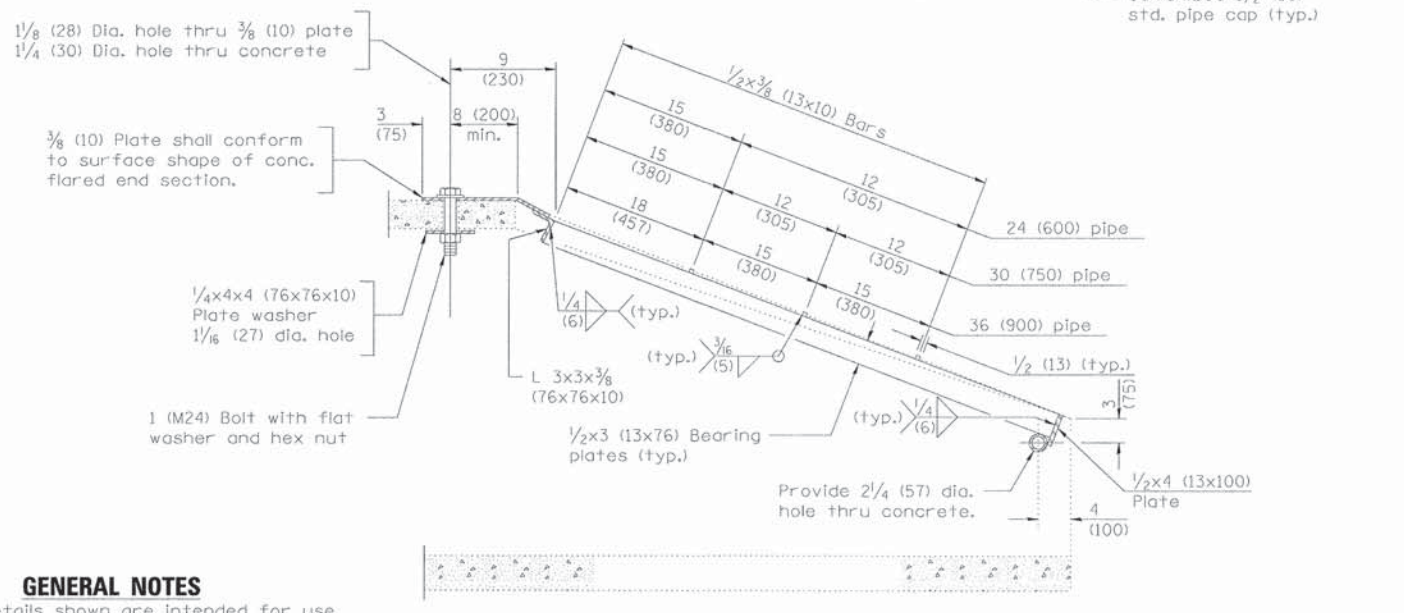
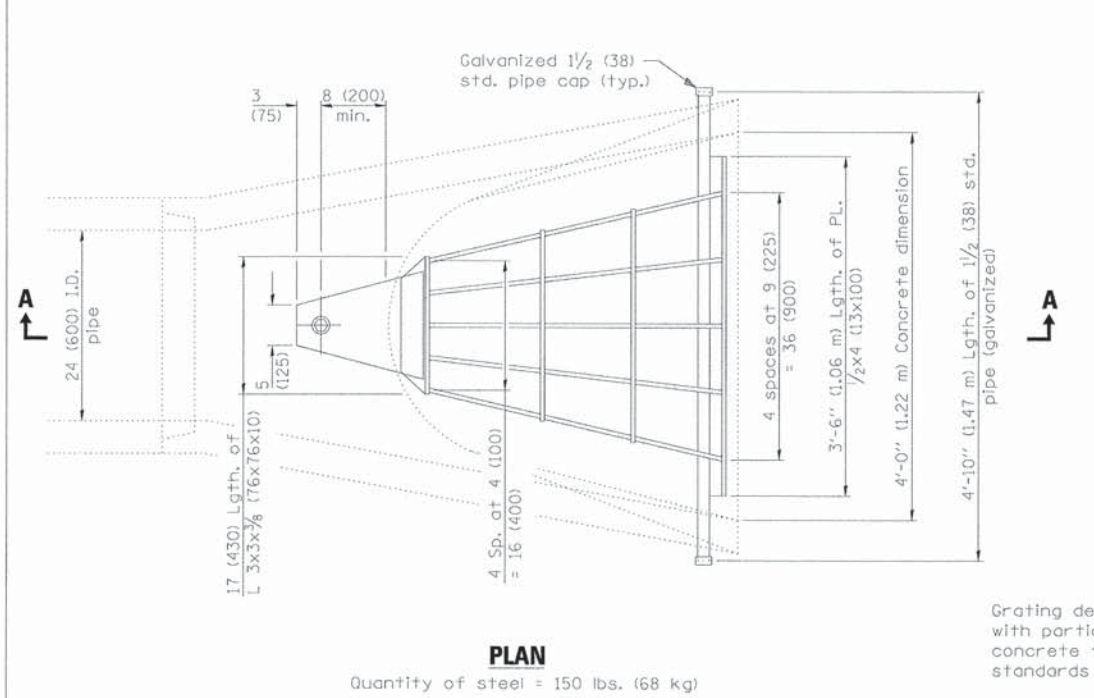
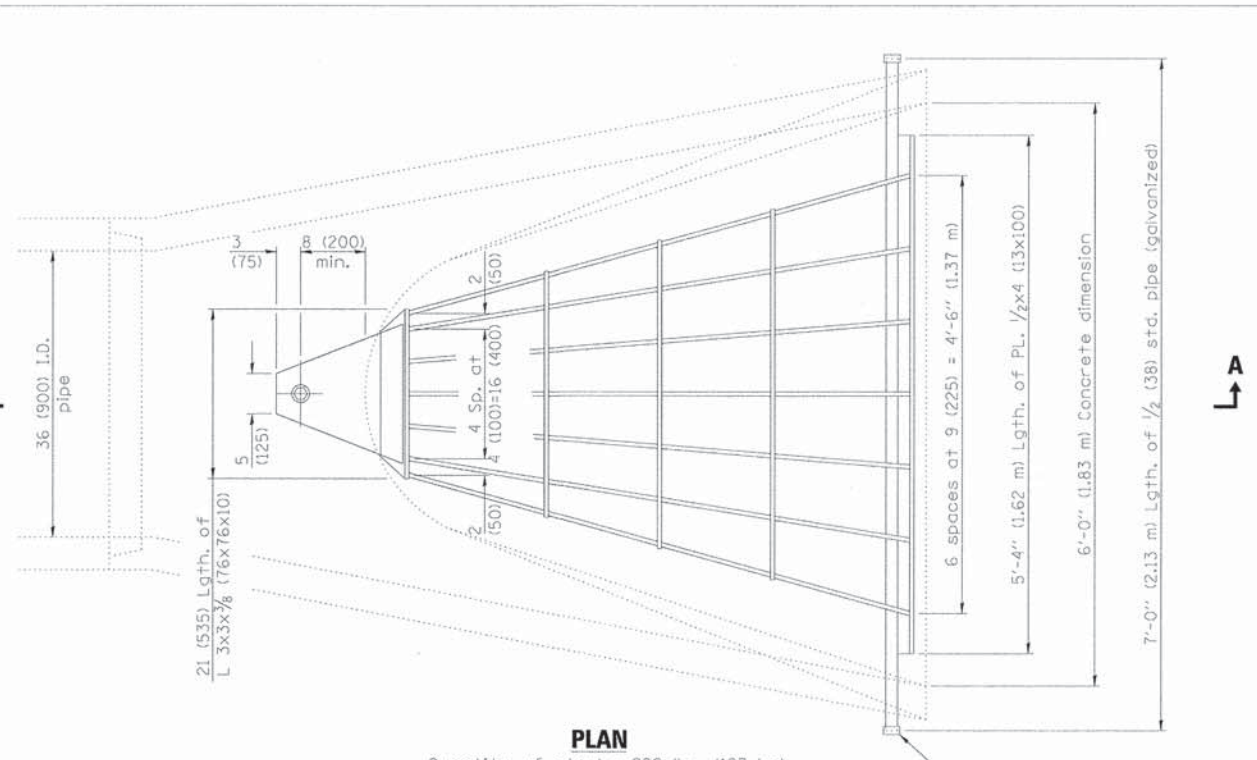
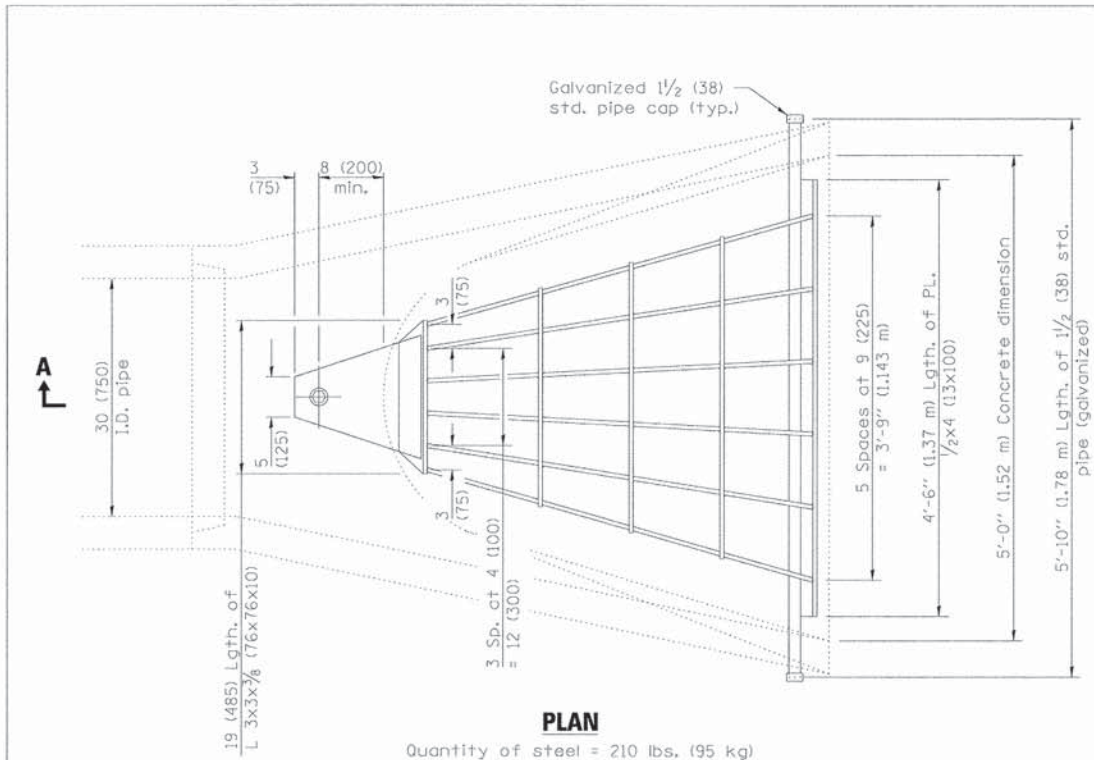
GENERAL NOTES

ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL THE RESTRICTOR PIPES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE DRAINAGE SYSTEM ITEMS (MANHOLES, SEWER PIPES, ETC.).

STORM TAG #	STATION	MANHOLE DIAMETER (FT.)	INSIDE RESTRICTOR DIAMETER (IN.)	INVERT OF RESTRICTOR	PROPOSED HIGH WATER LEVEL
1-21-MH A	157+50	8	24	698.29 (W)	701.75
			21	698.30 (E)	700.71
3-18-MH A	177+32.2	5	21	698.01 (NW)	700.85
5-20-MH A	193+42.8	5	21	706.33 (W)	708.37

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	DATE _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	DATE _____	



GENERAL NOTES

Grating details shown are intended for use with particular sizes of precast reinforced concrete flared end sections as shown on standards 542301 and 542306.

Approximate quantity of steel shown includes total quantity of grating, bolts, nuts, washers and steel pipe.

Holes in the precast concrete flared end sections shall be cored to the diameters noted. If cone-out on the other end of the hole occurs, the hole shall be filled with grout to correct the diameter of the hole.

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

GRATING FOR CONCRETE FLARED END SECTION (FOR 24" (600 mm) THRU 54" (1350 mm) PIPE)
(Sheet 1 of 2)

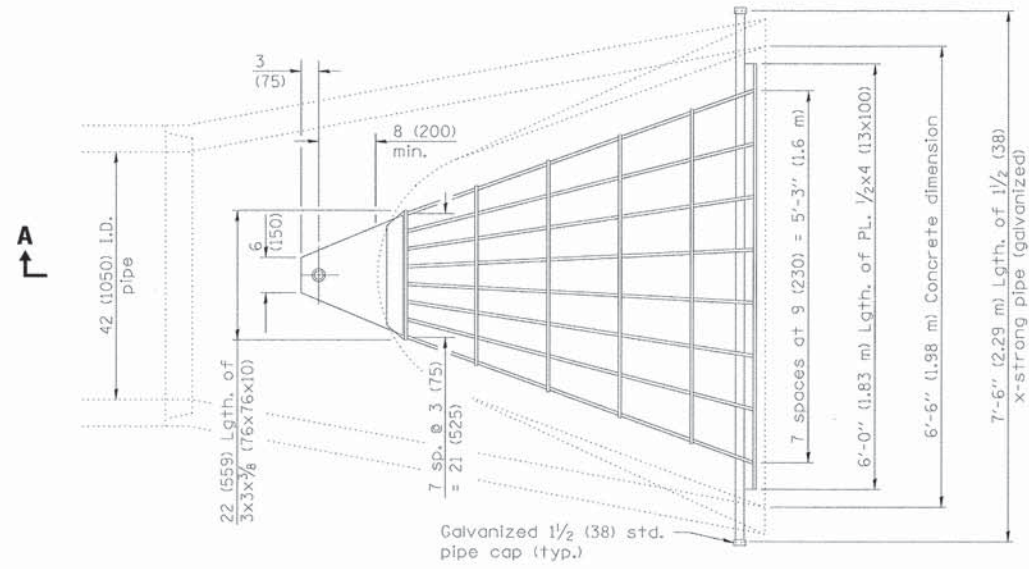
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FILE NAME = 604.dwt07.dgn	DRAWN - BAH	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	125
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63838	

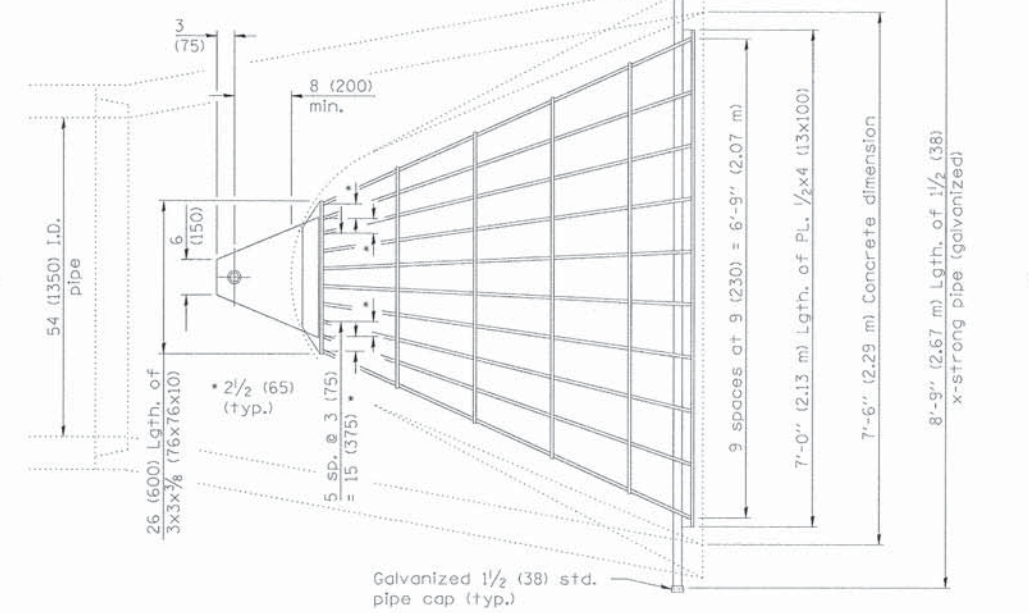
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	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. OF RAY CHECKED	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
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	NO.	



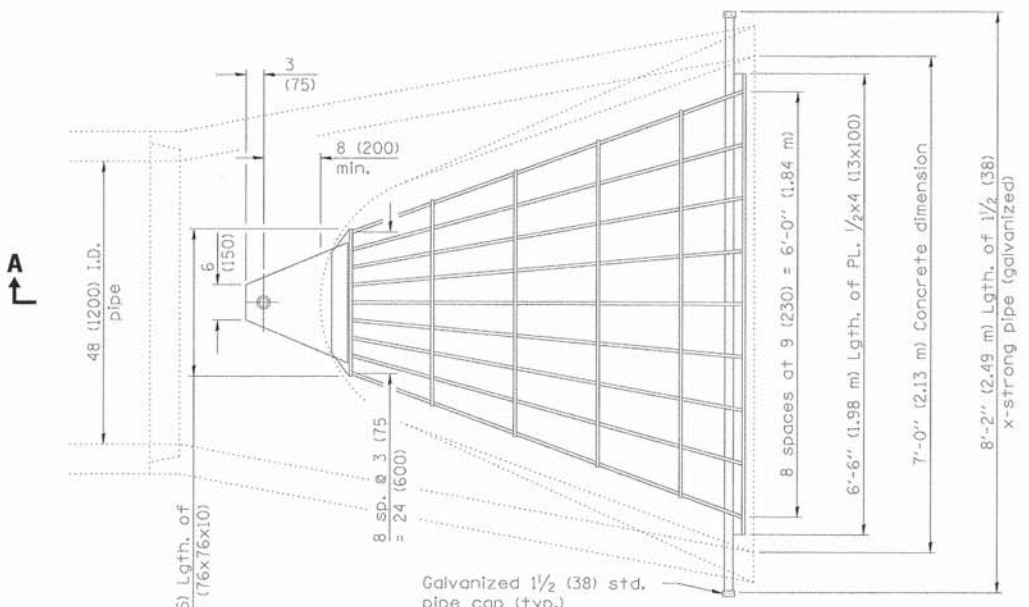
PLAN

Quantity of steel = 320 lbs. (145 kg)



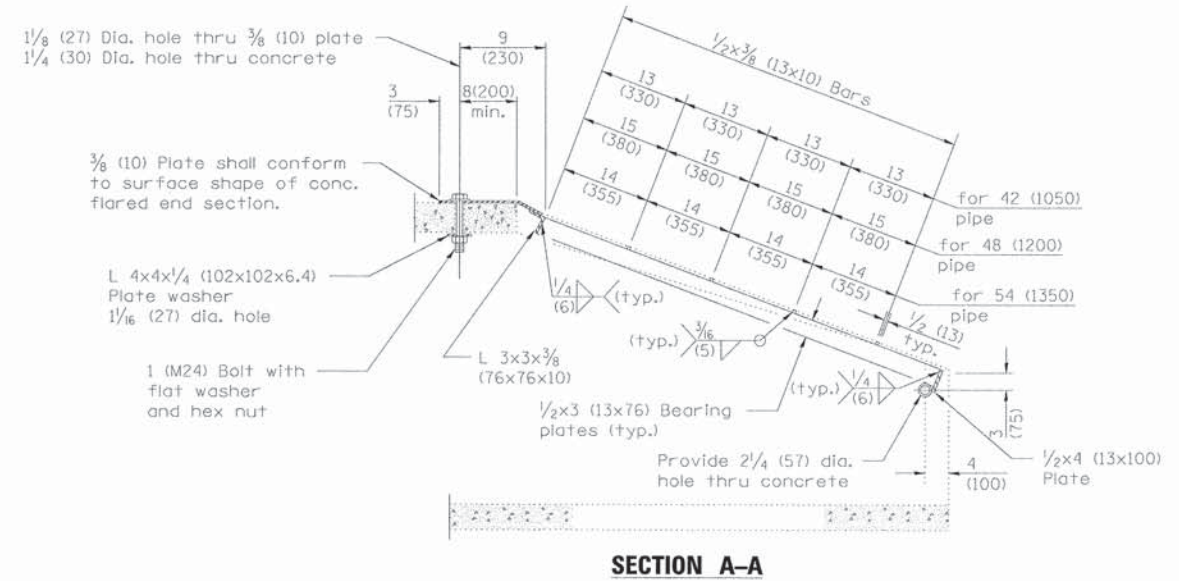
PLAN

Quantity of steel = 425 lbs. (193 kg)



PLAN

Quantity of steel = 400 lbs. (181 kg)



SECTION A-A

**GRATING FOR CONCRETE
FLARED END SECTION
(FOR 24" (600 mm) THRU
54" (1350 mm) PIPE)**

(Sheet 2 of 2)

USER NAME = gchris	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 684_det08.dgn	DRAWN - BAH	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					1522	07-00210-01-PV	DUPAGE/KANE	167	126
					CONTRACT NO. 63838				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
DATE	
BY	
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DATE	
BY	
NO.	
DATE	
BY	
NO.	

WHEN CLSM IS REQUIRED **STANDARD TRENCH BACKFILL**

1. CONTROLLED LOW-STRENGTH MATERIAL (CLSM) I.D.O.T. APPROVED MIX WHEN REQUIRED BY CITY ENGINEER.

2. ALL CLSM INSTALLATIONS REQUIRE CA-7 PLACEMENT TO 1' OVER T.O.P.

3. RIGID PIPE: CA-7 SHALL BE PLACED FROM 4" BELOW PIPE TO THE SPRING LINE. FLEXIBLE PIPE: CA-7 SHALL BE PLACED FROM 4" BELOW PIPE TO 1' OVER T.O.P.

4. MAXIMUM TRENCH WIDTH IN ACCORDANCE WITH SECTION 20-4.05

5. CA-6 OR APPROVED TRENCH BACKFILL FOR NON-PAVED AREAS: SELECT EXCAVATED MATERIAL MAY BE SUBSTITUTED FOR CA-6 AS DIRECTED BY THE ENGINEER.

REVISIONS	DATE	BY	DESCRIPTION
1	01/24/13	DG	

SEWER TRENCH DETAIL PAVED & UNPAVED
 SCALE: NOT TO SCALE CHECKED: LA DRAWING NUMBER: EXHIBIT III-A-1
 DATE: 1/04 DRAWN: DG

REQUIRED WHEN A SEPARATE TRENCH OR A TEN FOOT (10') MINIMUM SEPARATION IS NOT POSSIBLE. REFER TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

MINIMUM DEPTH 42"
 MIN 12"
 MINIMUM 6"
 18" OR GREATER
 6" SANITARY SEWER SERVICE PVC ASTM D-2241 MINIMUM
 CRUSHED CA-7 LIMESTONE
 UNDISTURBED EARTH
 PROVIDE MIN. COVER OF 5'-6"
 VARIABLE SIZE DOMESTIC WATER SERVICE

REVISIONS	DATE	BY	DESCRIPTION
1	01/20/11	JM	

SANITARY AND WATER SERVICE SEPARATION
 SCALE: NOT TO SCALE CHECKED: DP DRAWING NUMBER: EXHIBIT III-C-2
 DATE: 1/04 DRAWN: NM

COVER SHALL BE FLUSH WITH FINISHED GRADE
 FINISHED GRADE
 5'-6" MINIMUM
 5'-0" MINIMUM
 5'-6" MINIMUM
 LOT LINE
 DIRECT CONNECTION
 SERVICE BOX
 CURB STOP COUPLING
 TAP SERVICE PIPING COPPER TUBING TYPE K, 1" DIA MIN.
 CONCRETE BLOCK
 LOOPED DUCTILE IRON WATERMAIN
 CORPORATION STOP COUPLING

REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR CORPORATION COUPLING, SERVICE BOX, CURB BOX, AND PIPE MATERIAL, TYPE, MANUFACTURE, AND SIZES.

NOTES:
 1. WHEN WATERMAIN IS LOCATED WITHIN AN EASEMENT RATHER THAN THE PUBLIC RIGHT-OF-WAY, THE B-BOXES MUST ALSO BE LOCATED WITHIN THE EASEMENT.

REVISIONS	DATE	BY	DESCRIPTION
1	02-21-05	JM	
2	01/20/11	JM	

TYPICAL WATER SERVICE TAP AND BOX
 SCALE: NTS CHECKED: DP DRAWING NUMBER: EXHIBIT III-C-6
 DATE: 06/02 DRAWN: NM

DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	

WHEN CLSM IS REQUIRED **STANDARD TRENCH BACKFILL**

1. CONTROLLED LOW-STRENGTH MATERIAL (CLSM) I.D.O.T. APPROVED MIX WHEN REQUIRED BY CITY ENGINEER.

2. ALL CLSM INSTALLATIONS REQUIRE CA-6 PLACED TO 1' OVER T.O.P.

3. CA-6 OR APPROVED TRENCH BACKFILL FOR NON-PAVED AREAS: SELECT EXCAVATED MATERIAL MAY BE SUBSTITUTED FOR CA-6 AS DIRECTED BY THE ENGINEER.

4. MAXIMUM TRENCH WIDTH IN ACCORDANCE WITH SECTION 20-4.05

REVISIONS	DATE	BY	DESCRIPTION
1	01/25/13	DG	

WATERMAIN TRENCH DETAIL PAVED & UNPAVED
 SCALE: NOT TO SCALE CHECKED: SA DRAWING NUMBER: EXHIBIT III-C-1
 DATE: 1/04 DRAWN: DG

MONOLITHIC CONCRETE THRUST BLOCKING PLACED AGAINST UNDISTURBED VERTICAL EARTH FACE
 WATER MAIN SIZE AS SHOWN ON PLANS
 JOINTS TO BE ACCESSIBLE FOR REPAIRS
 BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & BENDS OF 1 1/4" OR GREATER DEFLECTION
 BLOCKING TO BE A MIN. OF 12" THICK

REVISIONS	DATE	BY	DESCRIPTION
1	01/20/11	JM	

THRUST BLOCKING
 SCALE: NOT TO SCALE CHECKED: DP DRAWING NUMBER: EXHIBIT III-C-3
 DATE: 1/04 DRAWN: NM

THE WORD 'WATER' ON LID
 BOX SHALL BE SCREW TYPE FOR DEPTH ADJUSTMENTS
 OPEN GRADED STONE BACK FILL AROUND BOX
 VALVE
 WATERMAIN
 CONCRETE BLOCK
 MIN 5.5' DEPTH

REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR VALVE AND BOX TYPE, MANUFACTURE, AND SIZES.

NOTES:
 1. ALL NUTS, BOLTS, AND THREADED RODS SHALL BE STAINLESS STEEL (SEE THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR STEEL GRADE).

REVISIONS	DATE	BY	DESCRIPTION
1	01/20/11	JM	

TYPICAL VALVE & BOX
 SCALE: NOT TO SCALE CHECKED: DP DRAWING NUMBER: EXHIBIT III-C-5
 DATE: 1/04 DRAWN: NM

REFER TO STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR FIRE HYDRANT TYPE AND MANUFACTURES.
 THE PUMPER NOZZLE SHALL BE BETWEEN 2 AND 3 FEET FROM THE BACK-OF-CURB.
 HYDRANT TO HAVE A TRAP BREAKAWAY FLANGE.
 REFER TO STANDARD SPECIFICATIONS FOR IMPROVEMENTS AND SEE EXHIBIT III-C-5 FOR VALVE BOX TYPE AND MANUFACTURES.
 THE HYDRANT SHALL HAVE FIVE FEET-SIX INCHES (5.5') DEPTH OF COVER.
 6" FIRE HYDRANT SERVICE FROM LOOPED WATERMAIN
 PRECAST CONCRETE BLOCKS
 PROVIDE POURED IN PLACE CONCRETE THRUST BLOCKING AGAINST UNDISTURBED EARTH
 3/4" OPEN GRADED STONE, WRAPPED IN DRAINAGE FABRIC TO SURROUND HYD. INSTALLATION.
 CURB & GUTTER
 18" TO 22"
 3" MAX
 27" MIN
 6" MIN

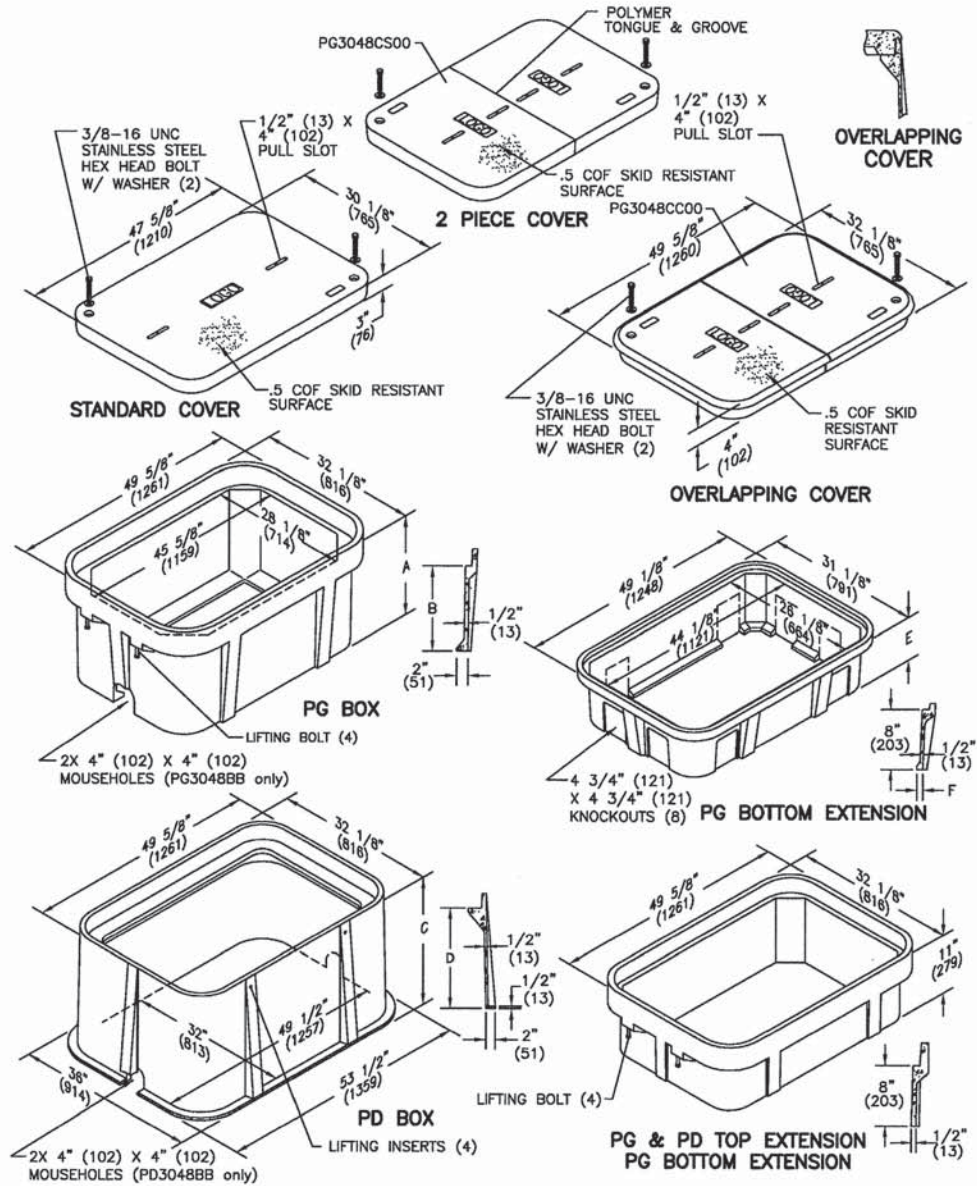
REVISIONS	DATE	BY	DESCRIPTION
1	8/02	NM, redraw	
2	1/04	SAZ, redraw	
3	01/20/11	JM, Revisions	

HYDRANT INSTALLATION
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 DATE: 8/02 DRAWN: NM/SAZ



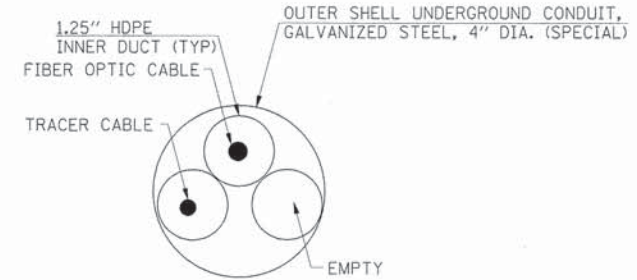
SPECIFICATIONS/DATA

30" x 48" PG Style (Stackable) Assembly
30" x 48" PD Style (Nestable) Assembly



APRIL 2008

HANDHOLE (SPECIAL) DETAIL



UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (SPECIAL) DETAIL

NOTE:
 FOR THE CONDUIT RUNS WEST OF KAUTZ ROAD, ALL THREE OF THE INNER DUCTS SHALL BE LEFT EMPTY.

ENCLOSURE DRAWINGS

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

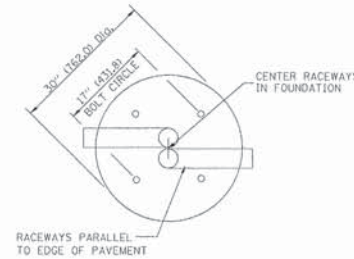
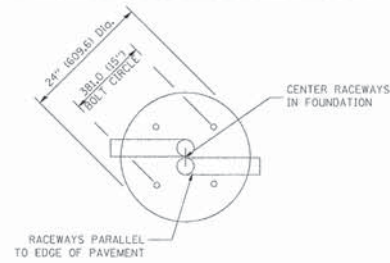
MISCELLANEOUS DETAILS
(SHEET 11 OF 12)

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63838				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

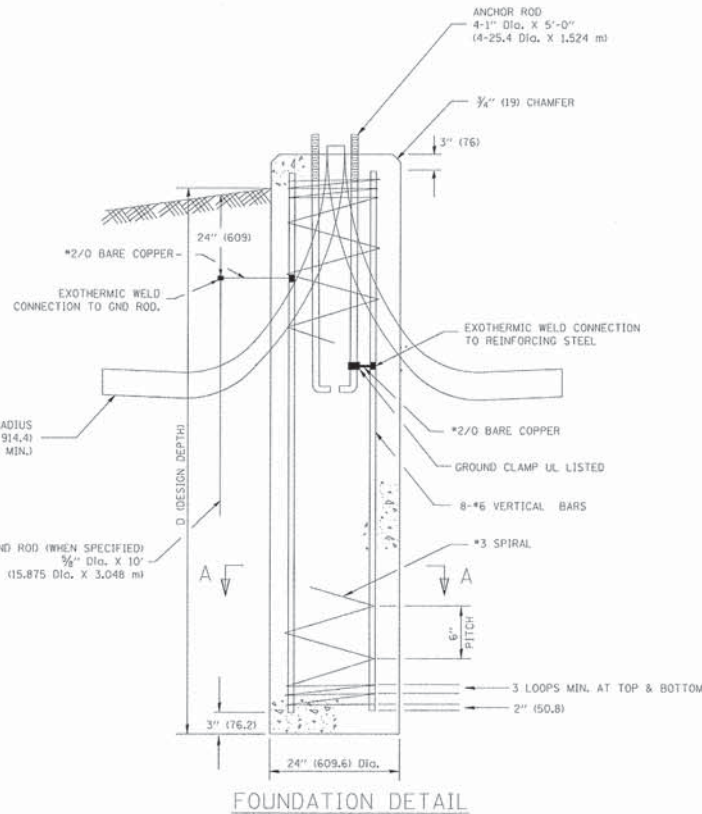
LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Du = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Du = 0.75 TON/SO. FT.	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Du = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)

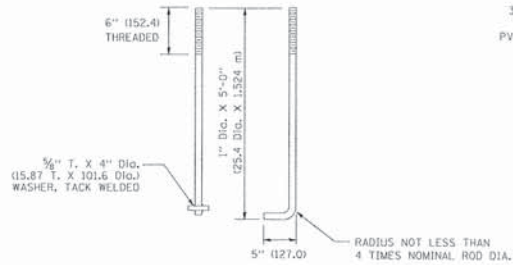


TOP VIEW

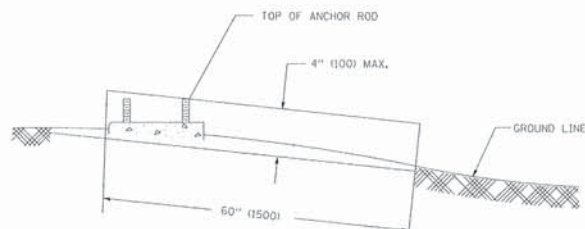
TOP VIEW



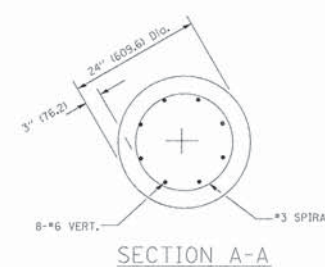
FOUNDATION DETAIL



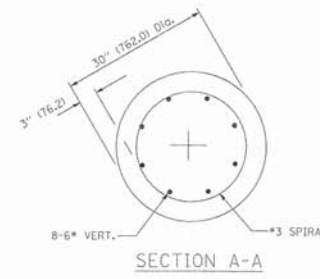
ANCHOR ROD DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DL, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG (MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

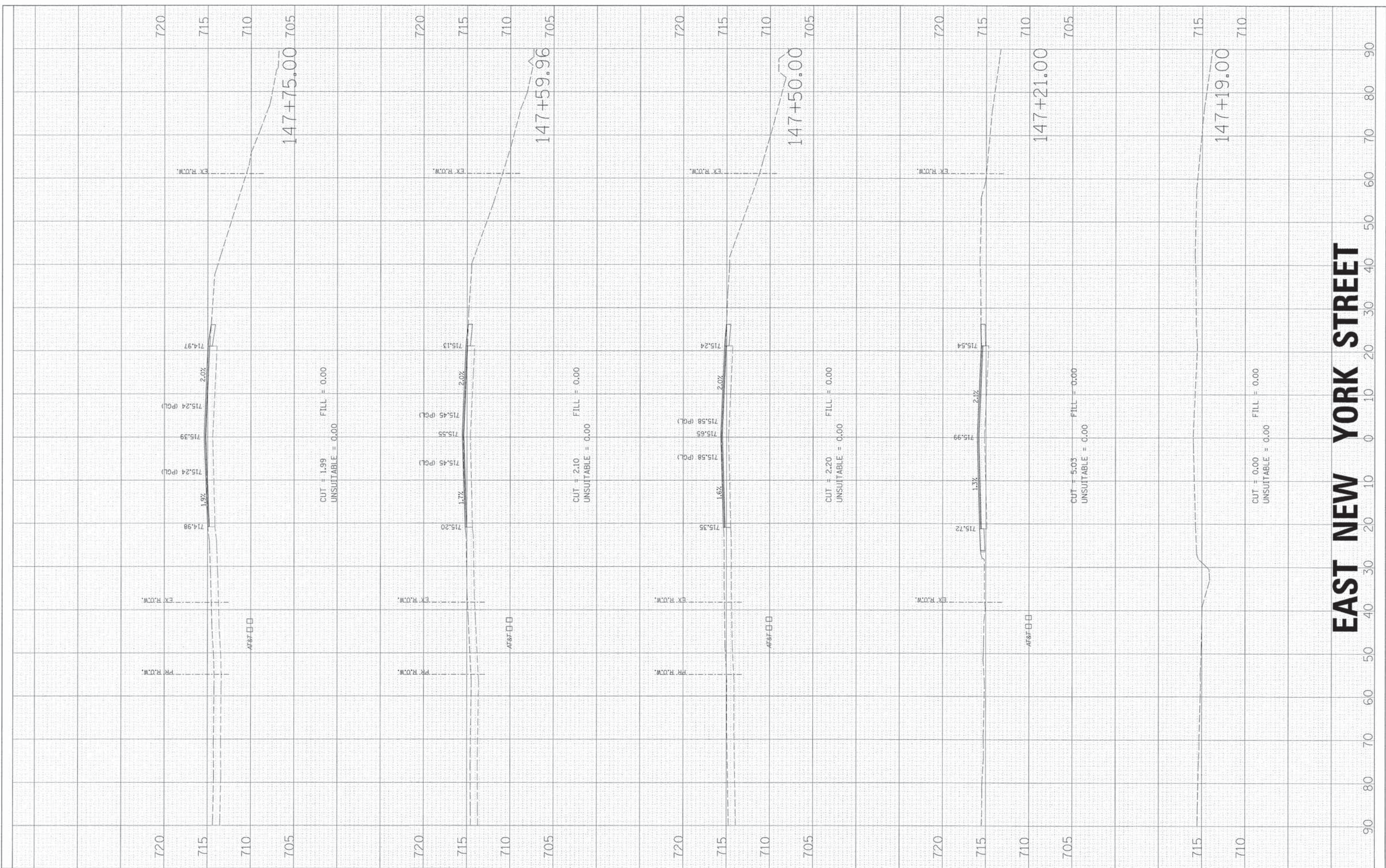
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PLOT DATE = 6/4/2013	DATE -	REVISED -	FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT				

PLAN	DATE
BY	
REVISIONS	
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PROFILE	DATE
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REVISIONS	
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FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
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NOTE BOOK		
AREAS CHECKED		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

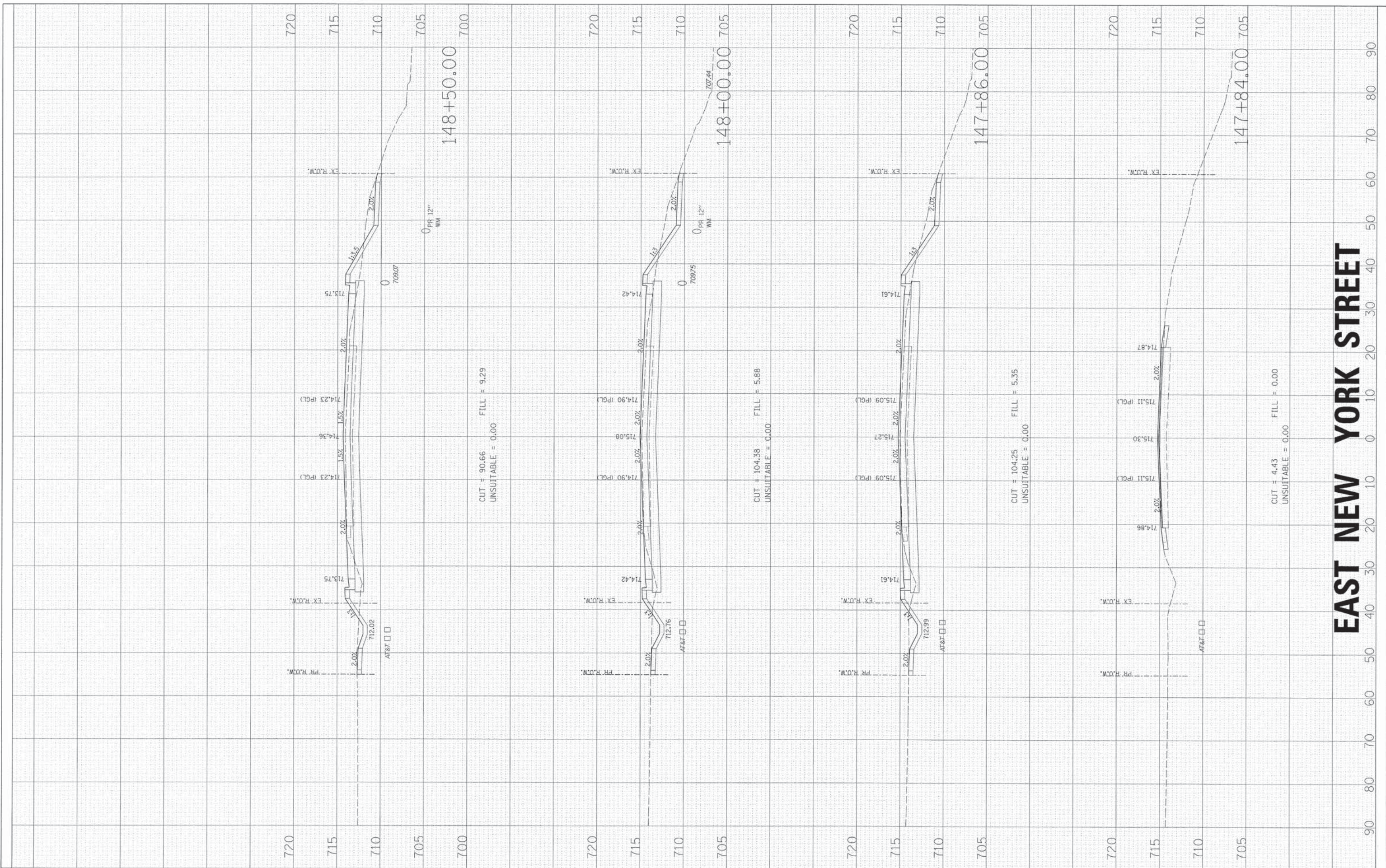
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 147+19.00 TO STA. 147+75.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 131
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
NO. _____		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
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EAST NEW YORK STREET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

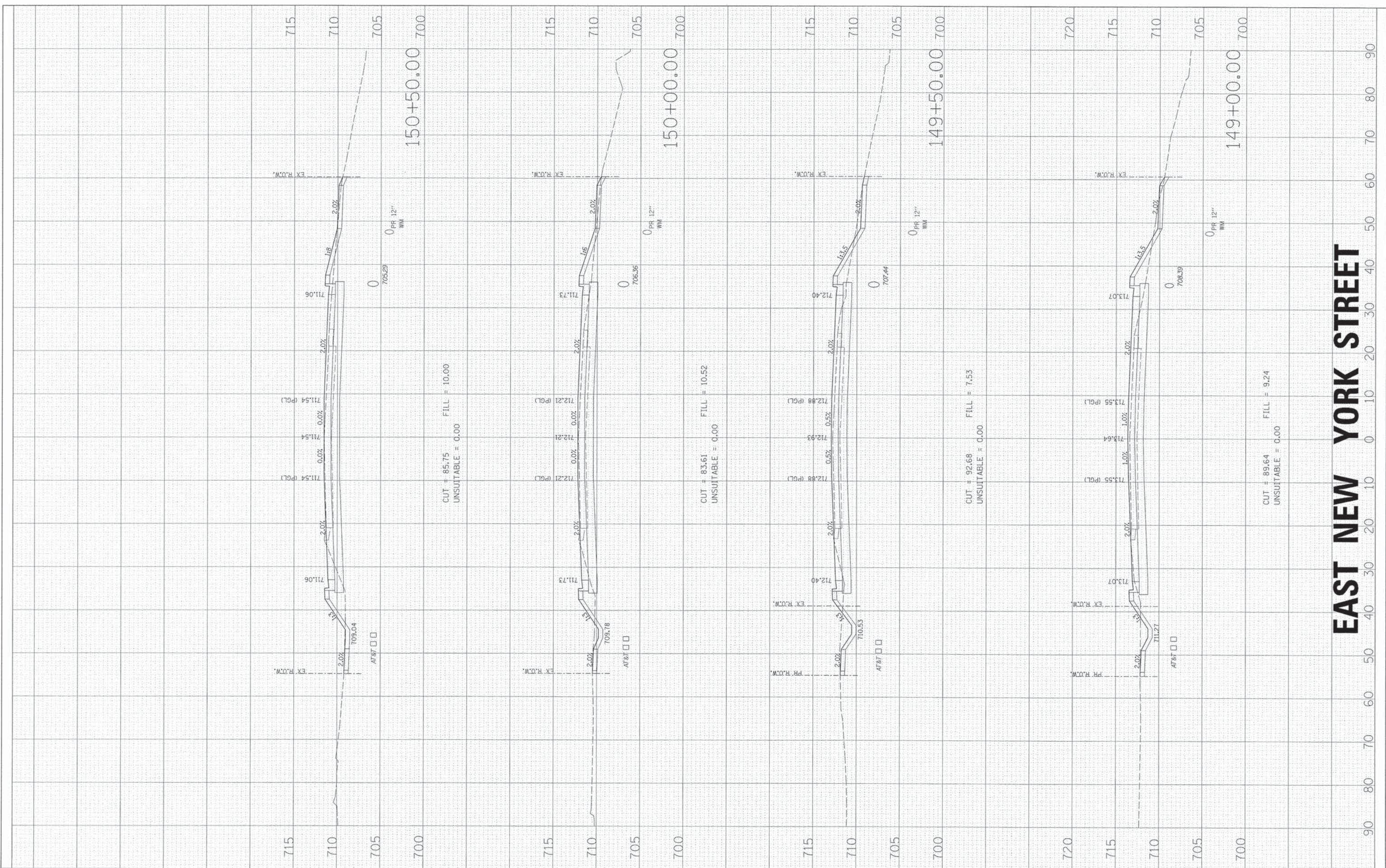
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1522	07-00210-01-PV	DUPAGE/KANE	167	132
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
REVISIONS		
NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

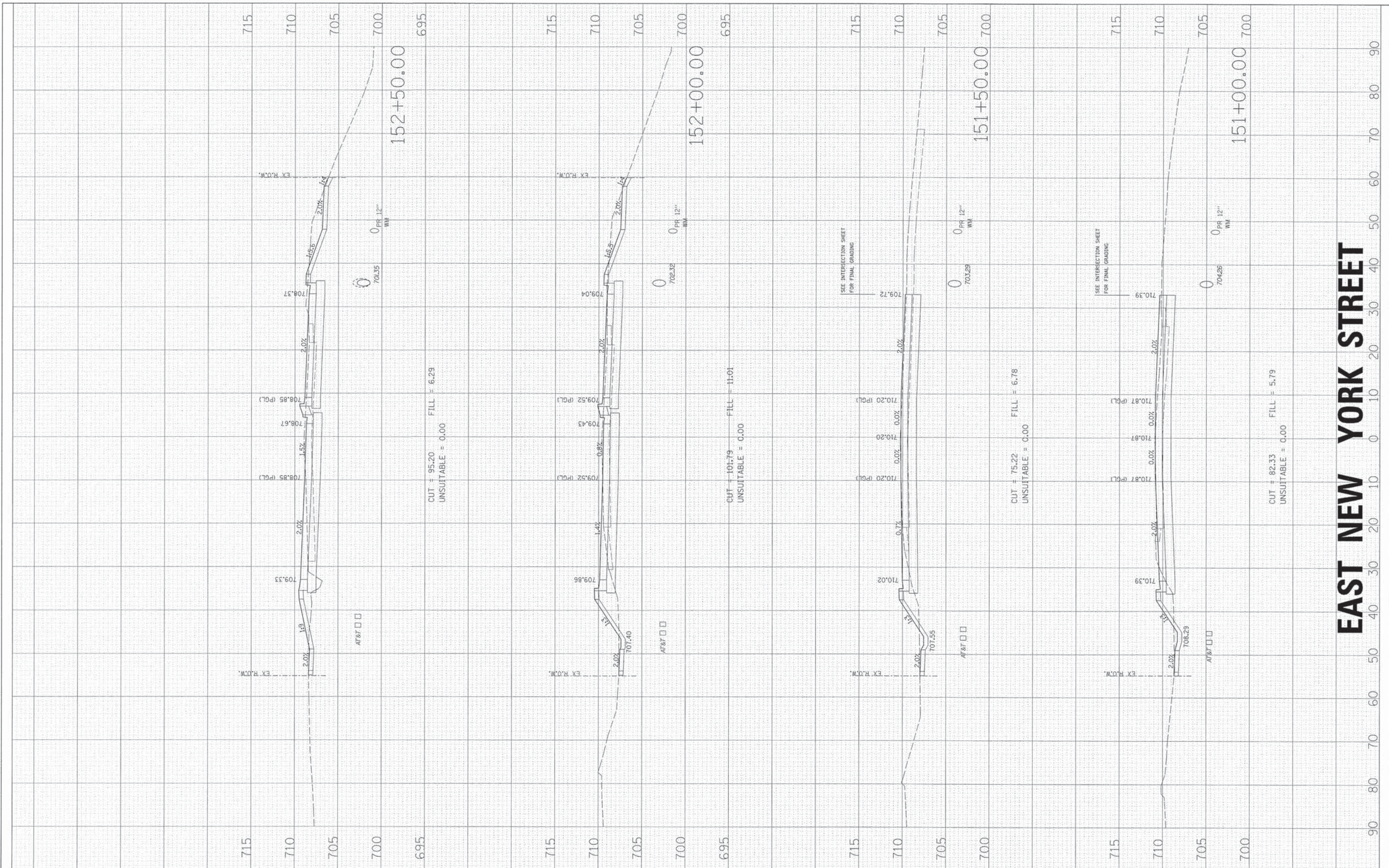
CROSS SECTIONS

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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

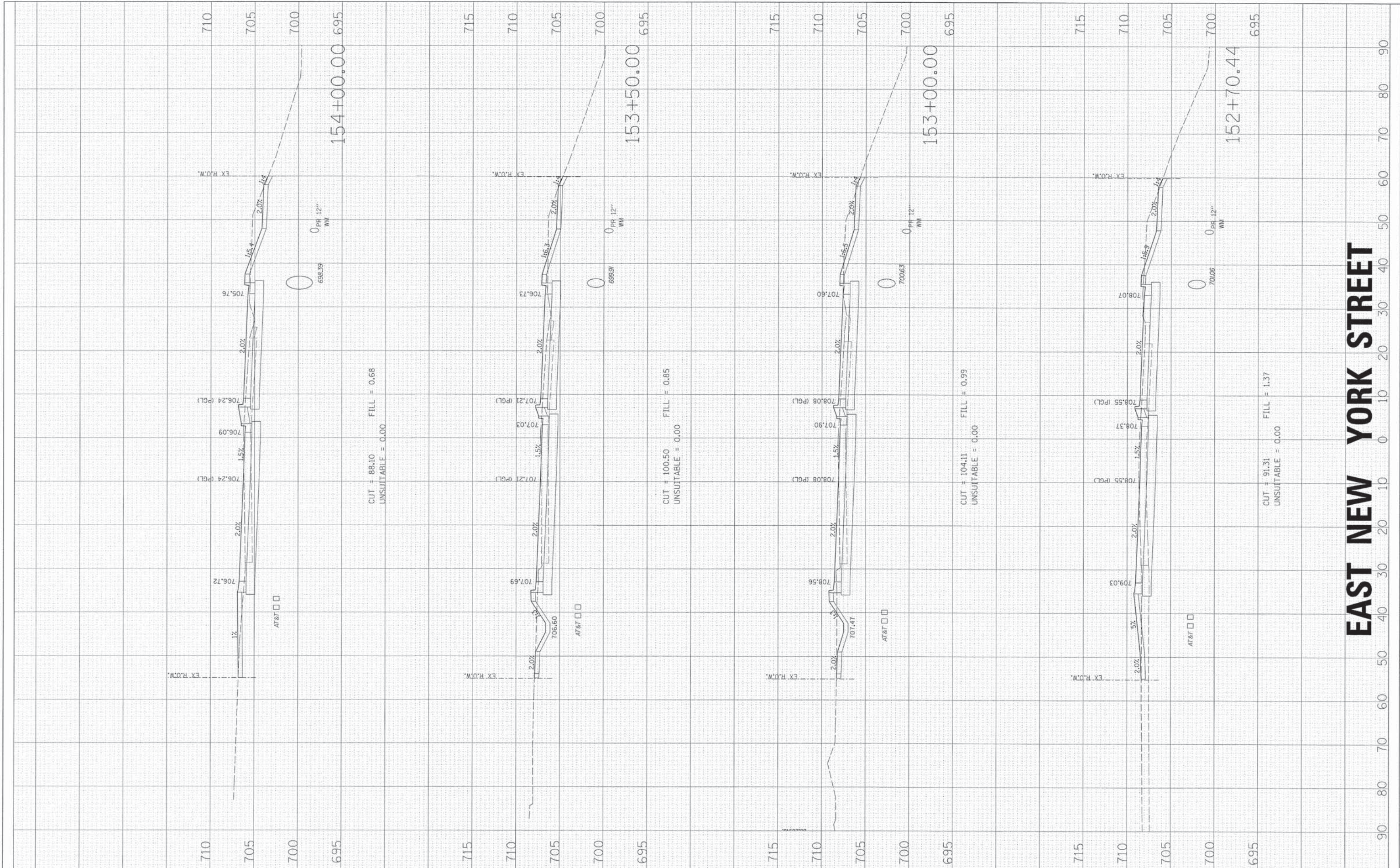
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 151+00.00 TO STA. 152+50.00

F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 134
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO.		

FINAL SURVEY	BY	DATE
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

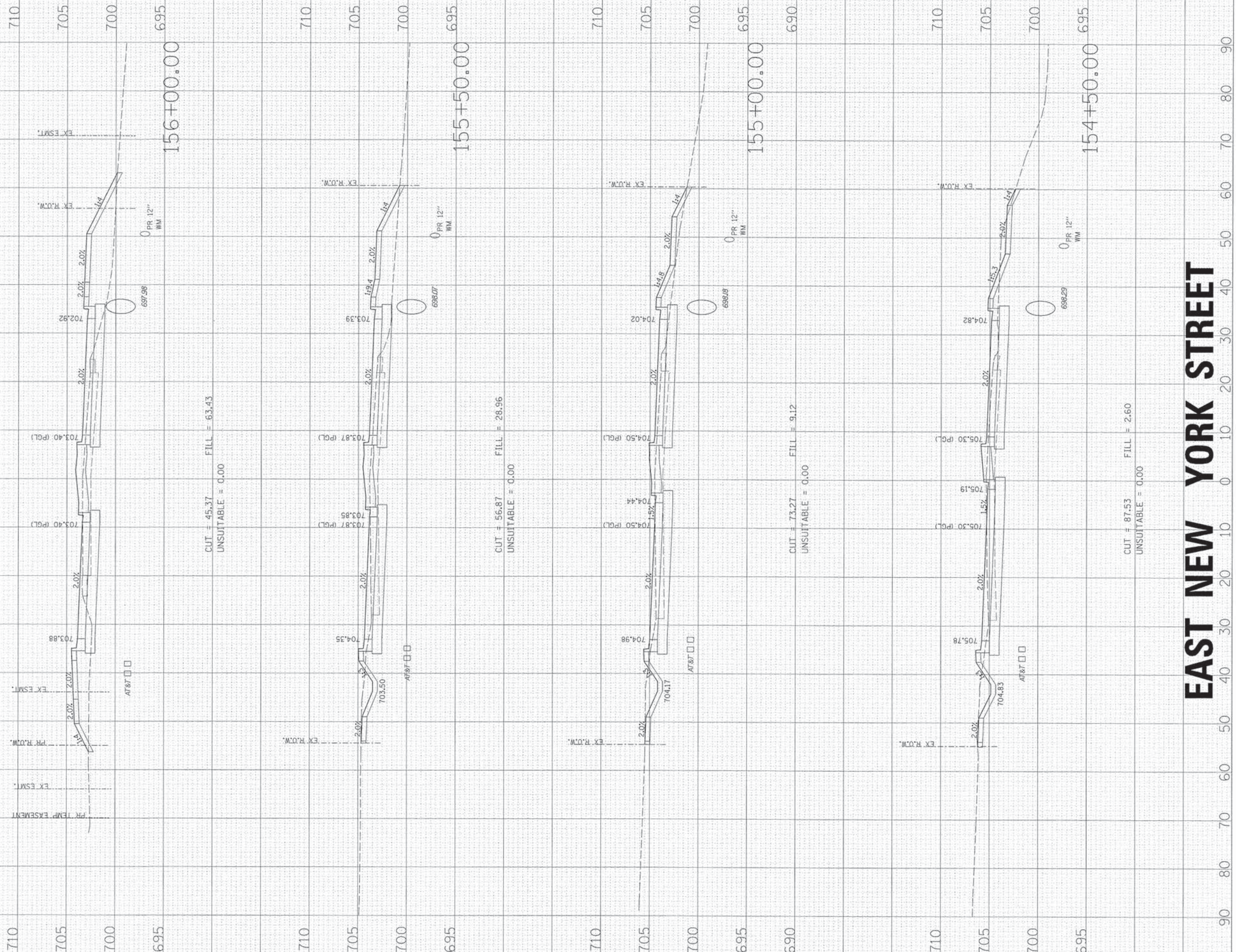
CROSS SECTIONS

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	135
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

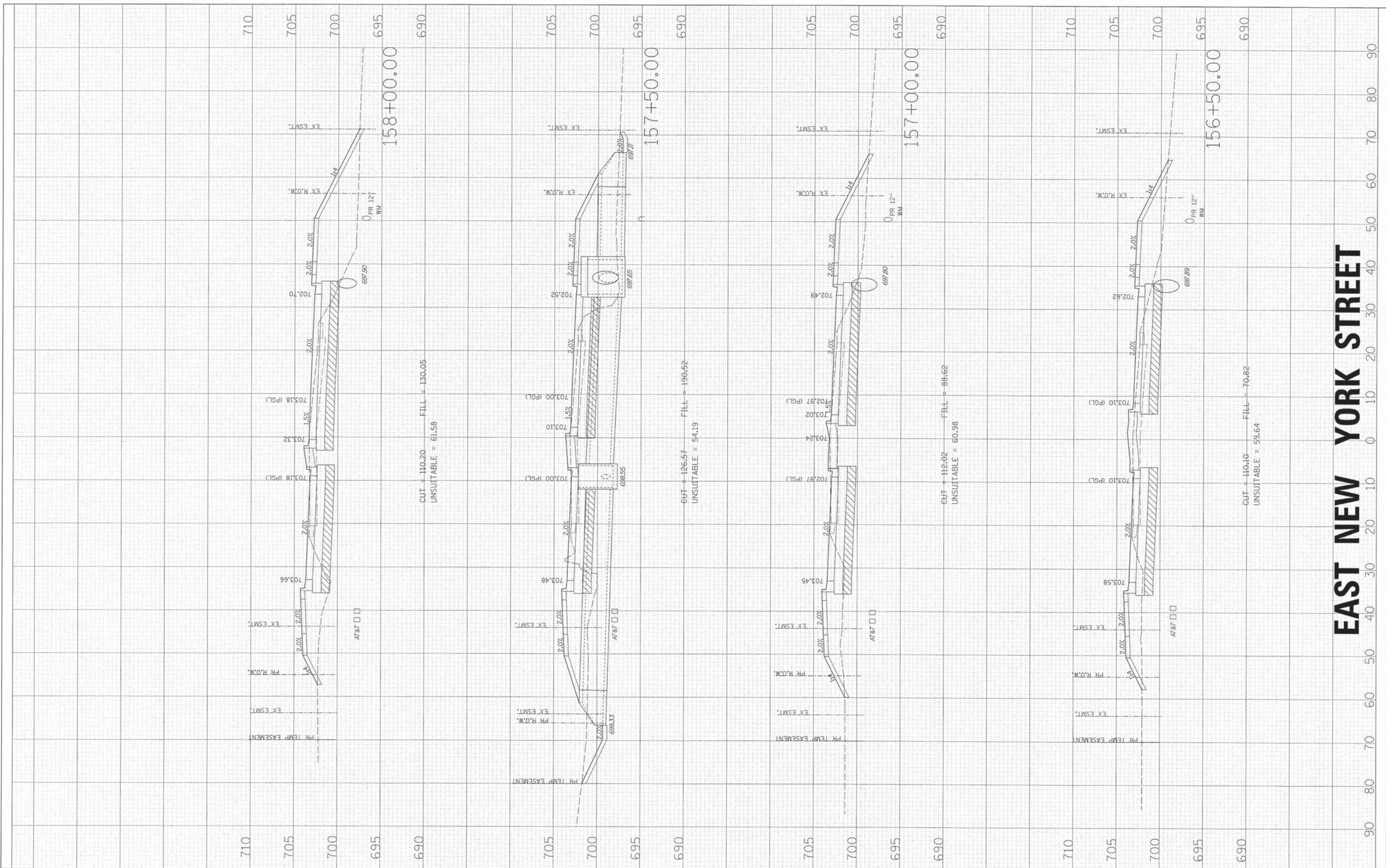
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
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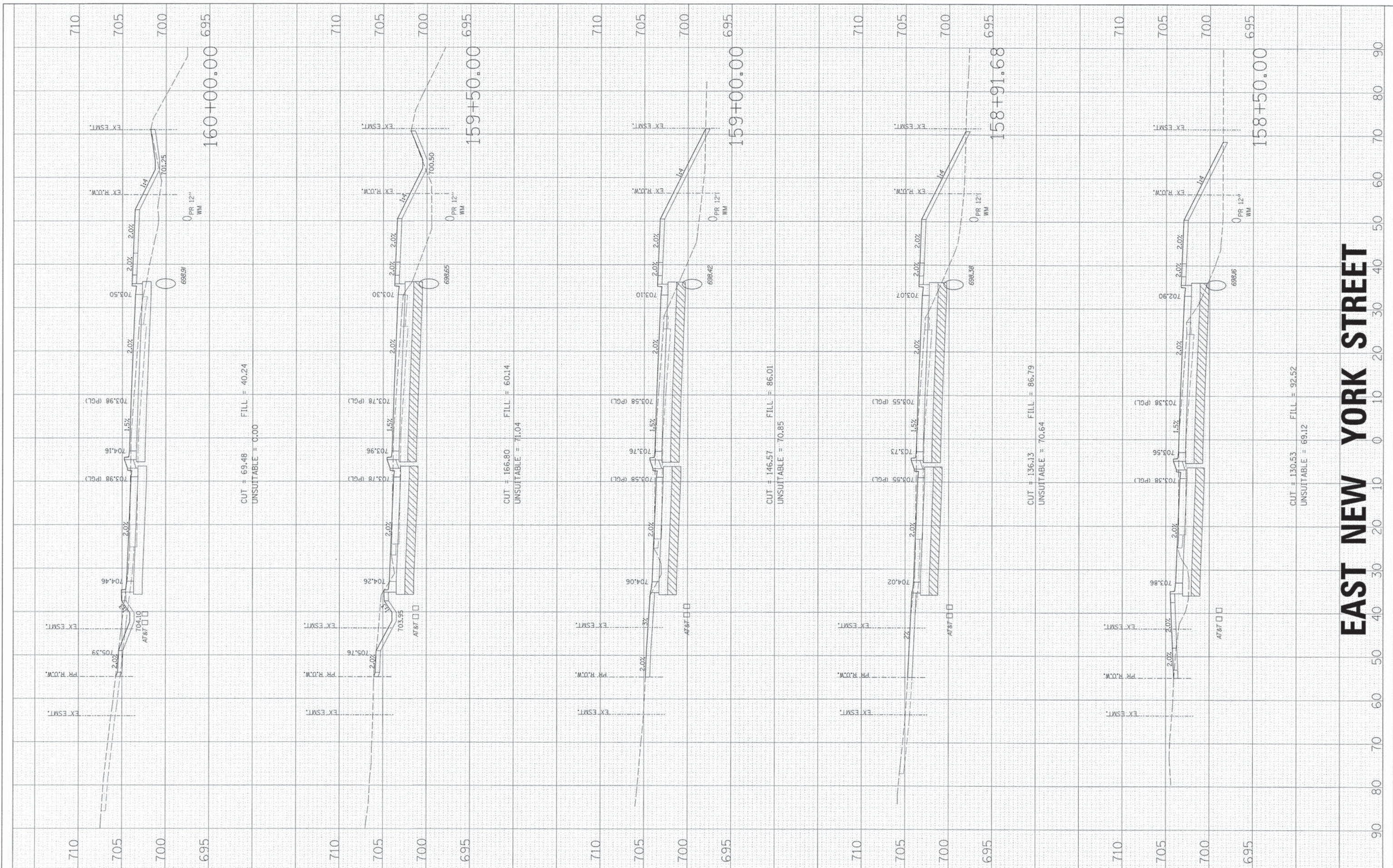
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	

FINAL SURVEY	BY	DATE
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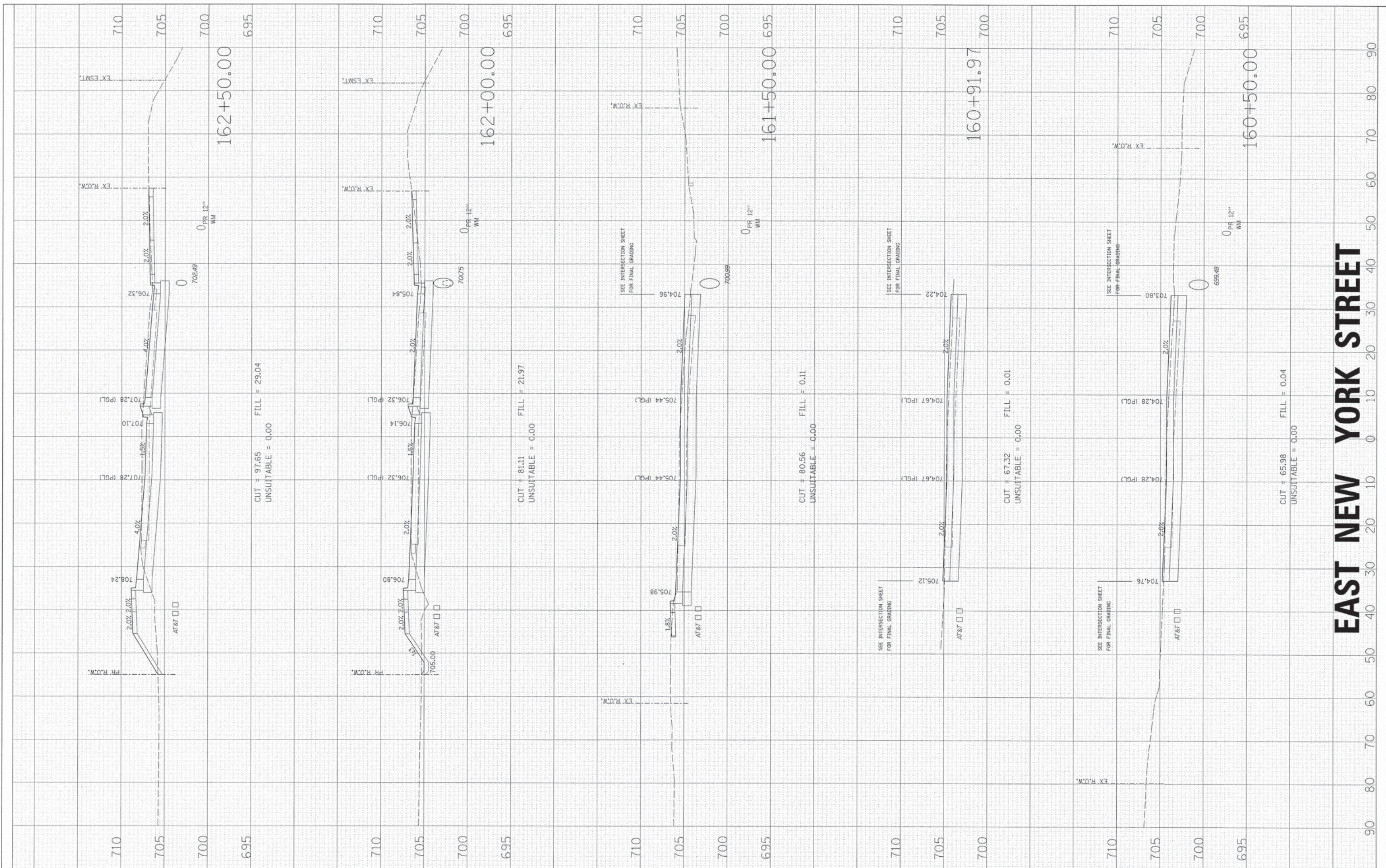
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.				

FINAL SURVEY	BY	DATE
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

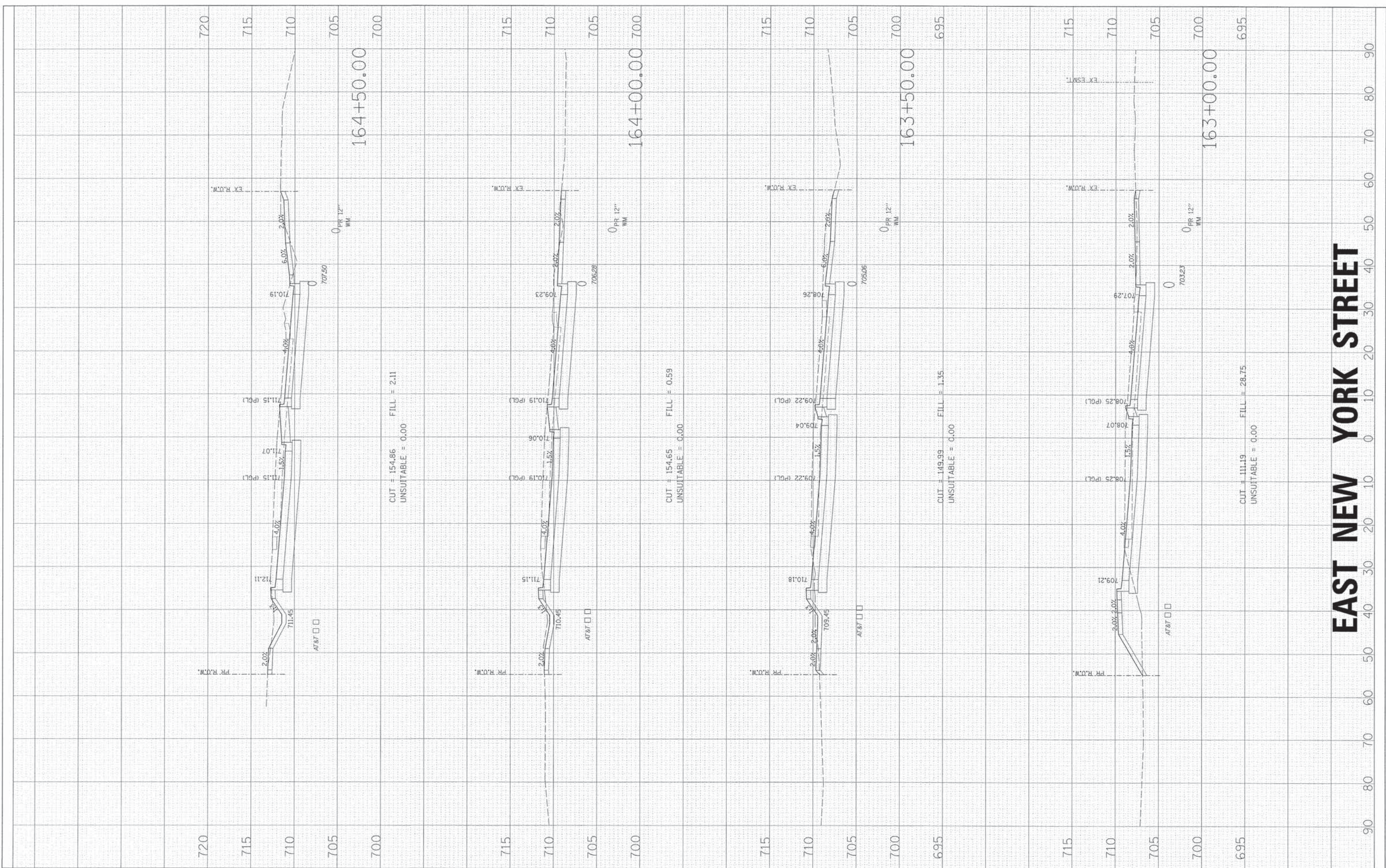
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CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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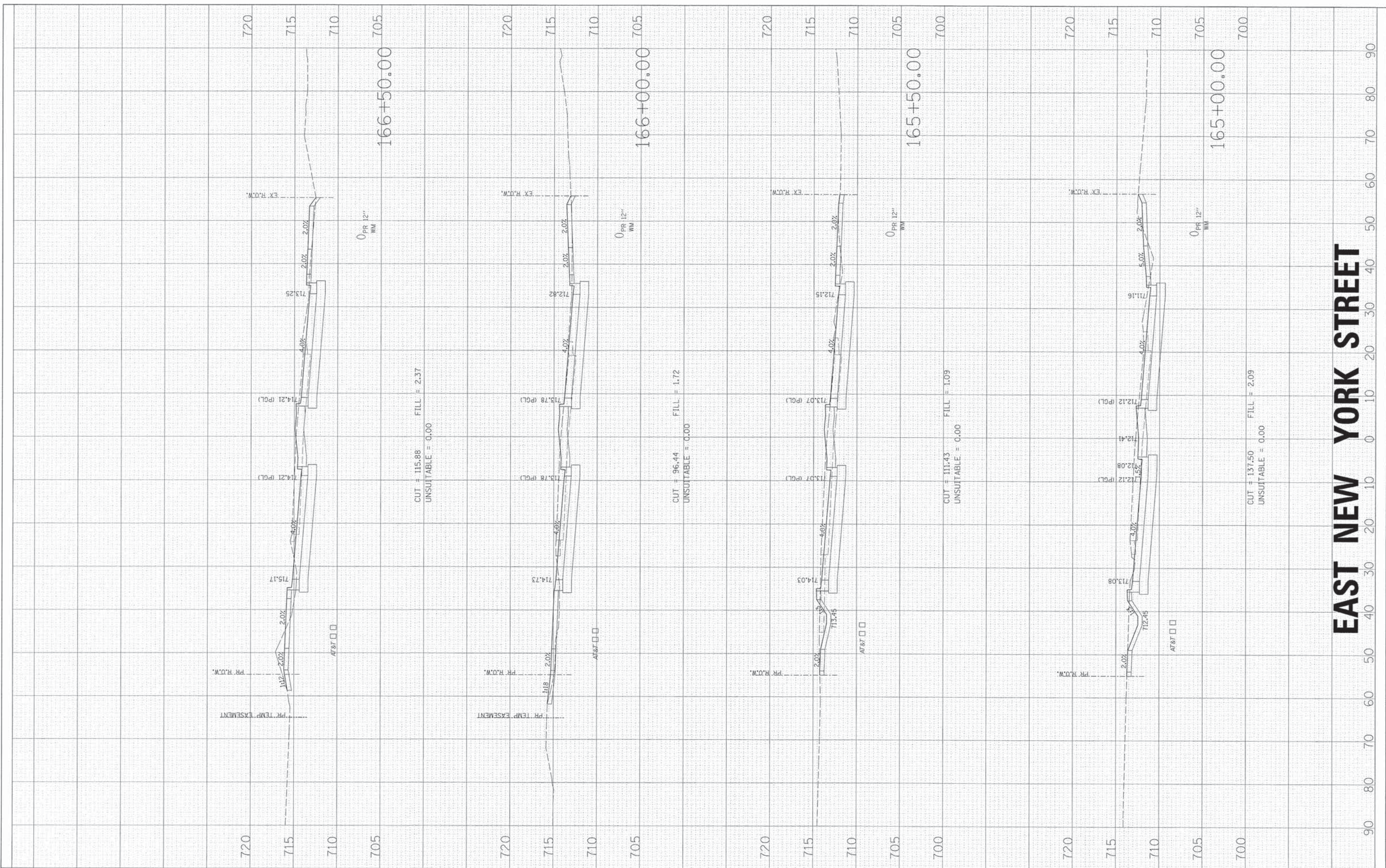
CROSS SECTIONS

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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 140
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	BY	DATE
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NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
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DEPARTMENT OF TRANSPORTATION**

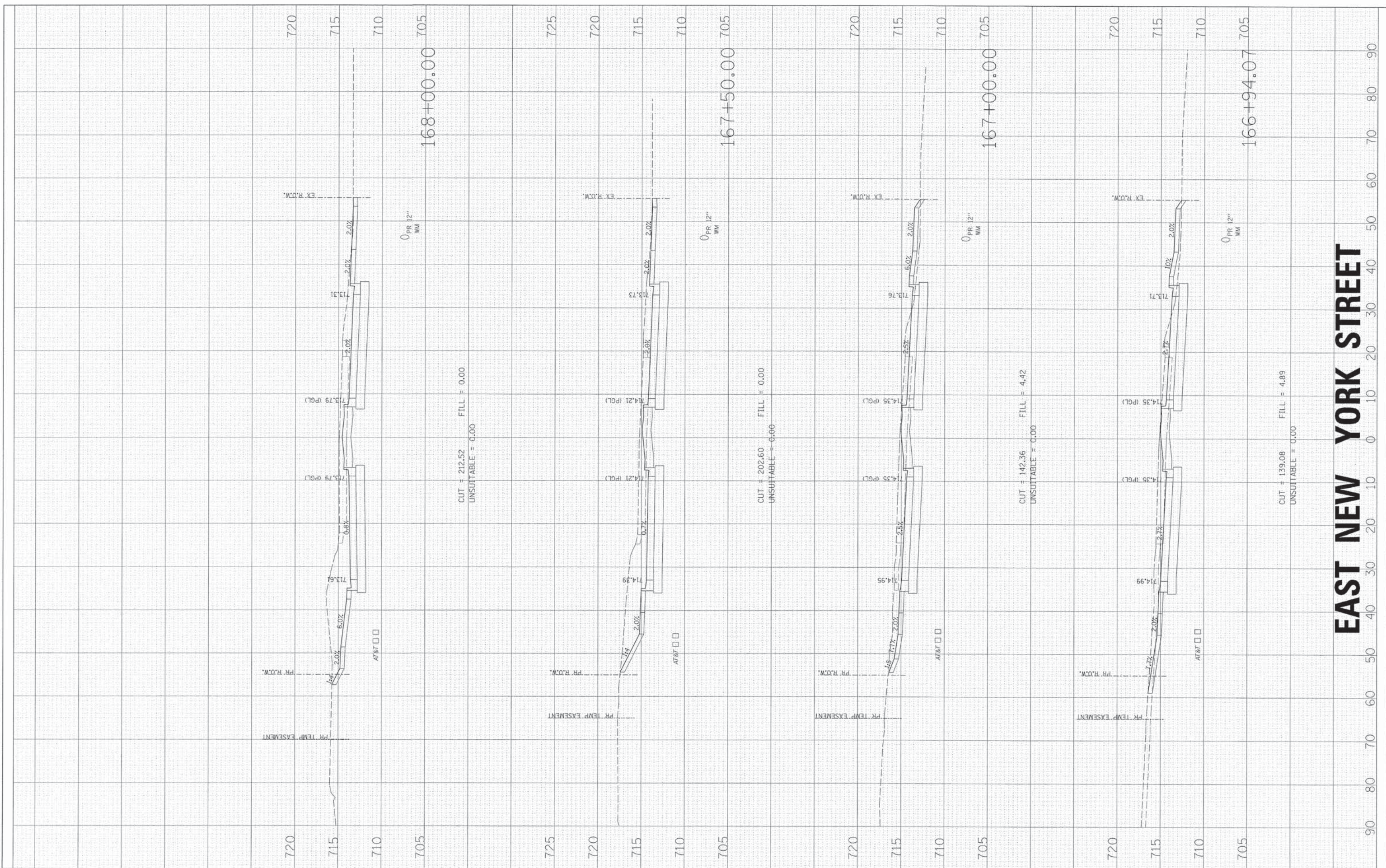
CROSS SECTIONS

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1522	07-00210-01-PV	DUPAGE/KANE	167	141
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.				

ORIGINAL SURVEY PLOTTED DATE NO. BY DATE

FINAL SURVEY PLOTTED DATE NO. BY DATE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

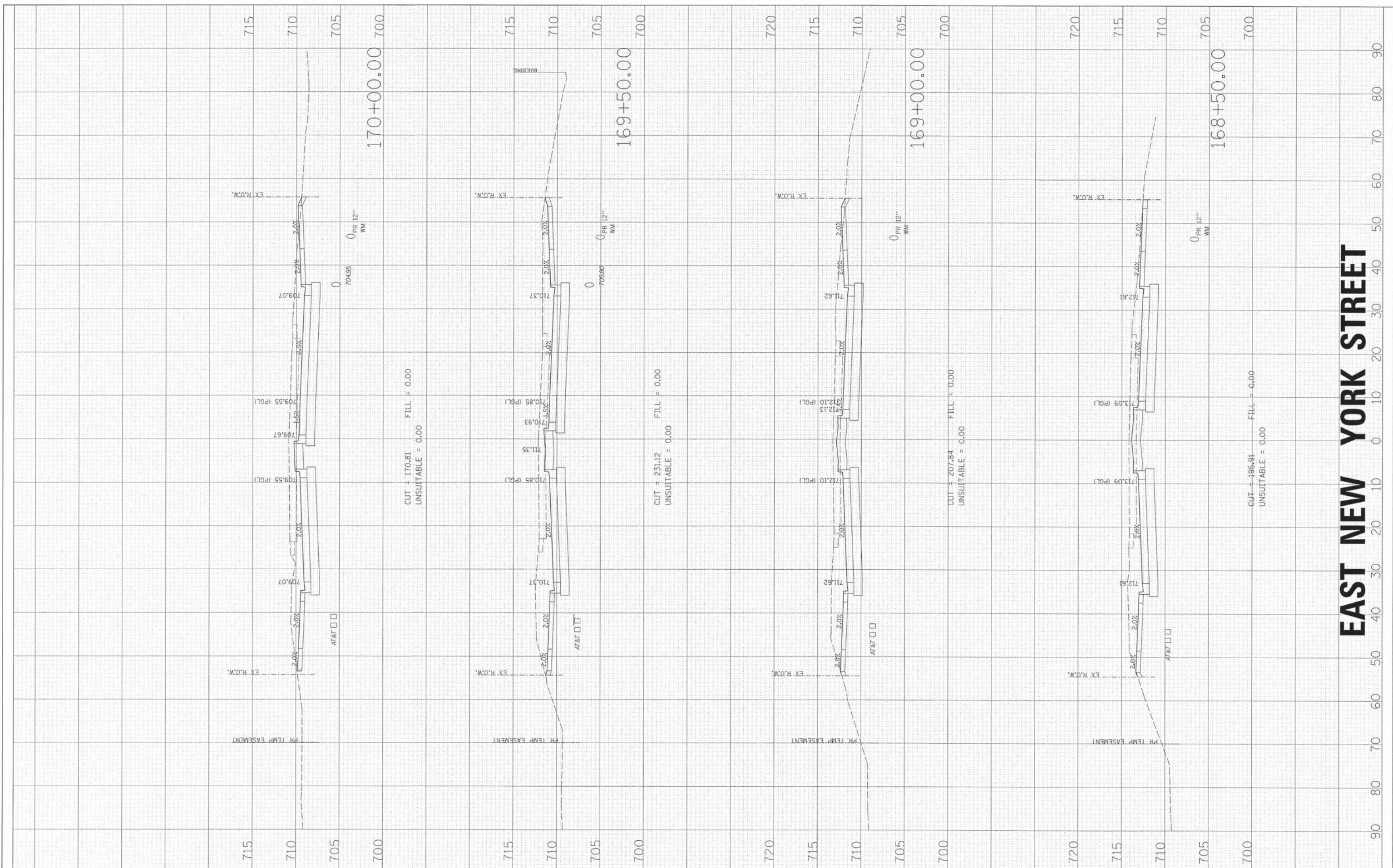
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 166+94.07 TO STA. 168+00.00

F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 142
CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



EAST NEW YORK STREET

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 #184-001322

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

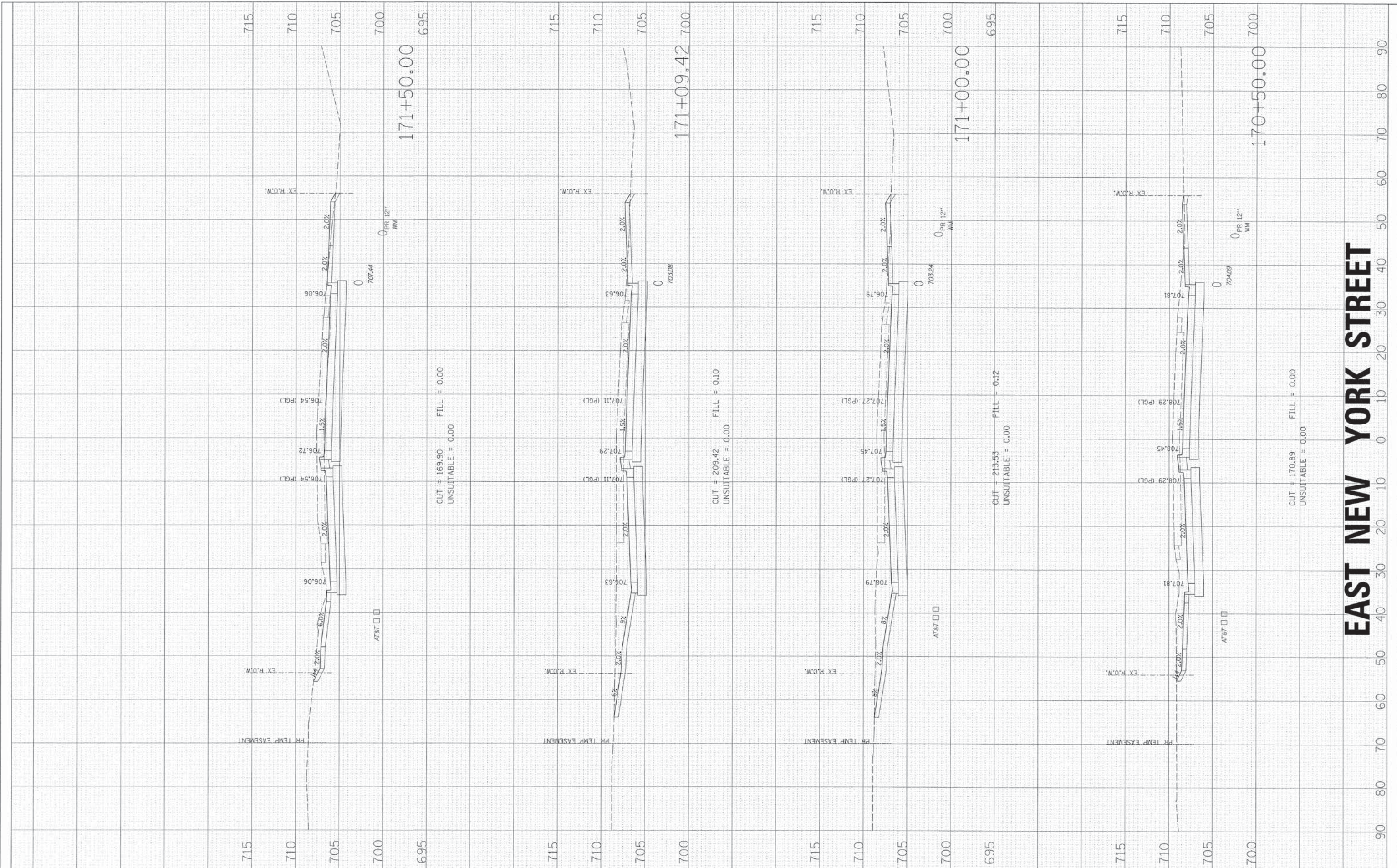
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 168+50.00 TO STA. 170+00.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 143
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY	DESIGNED	BY	DATE
NOTE BOOK	NO. _____		
AREAS CHECKED			



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

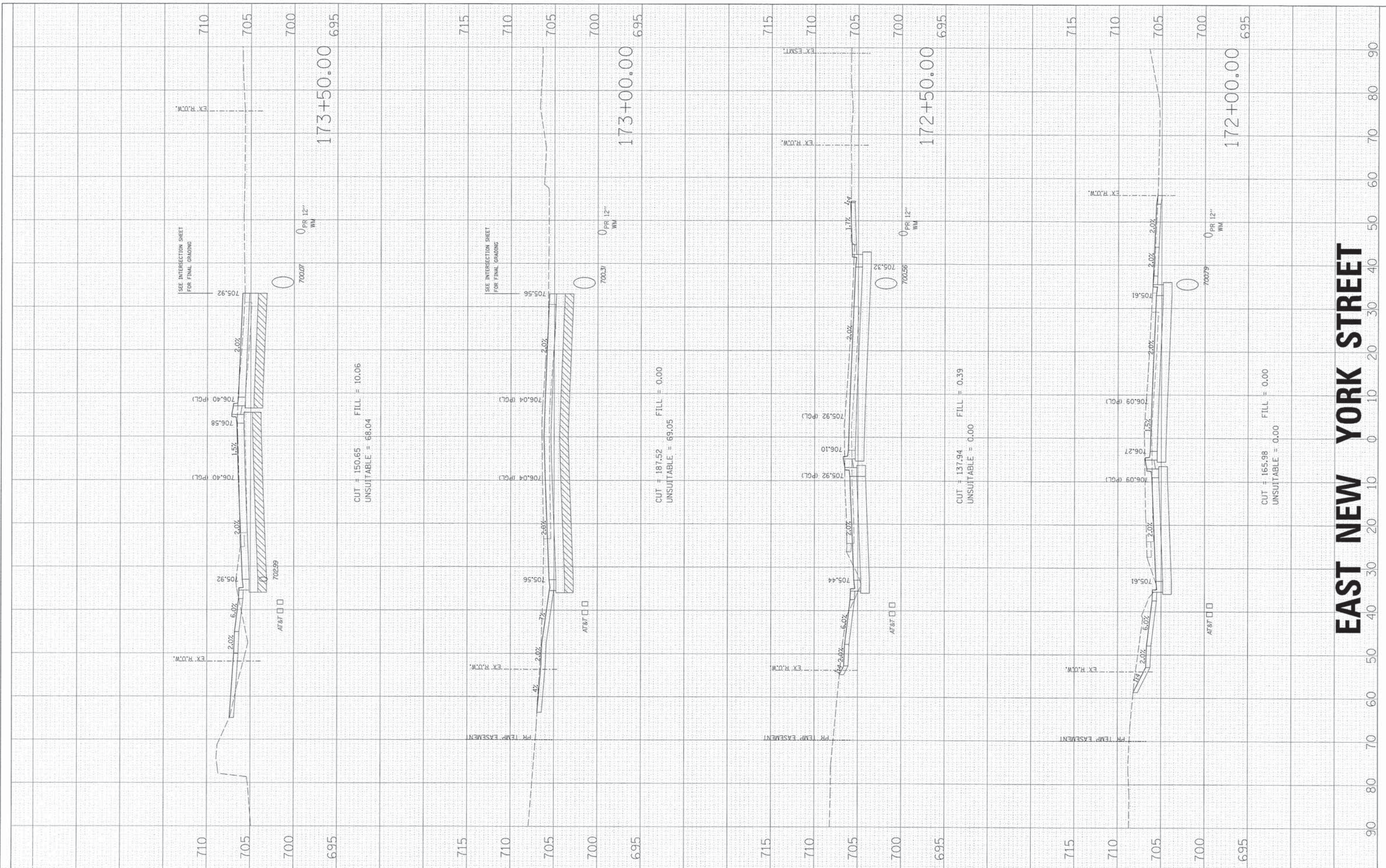
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 170+50.00 TO STA. 171+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	144
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

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

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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

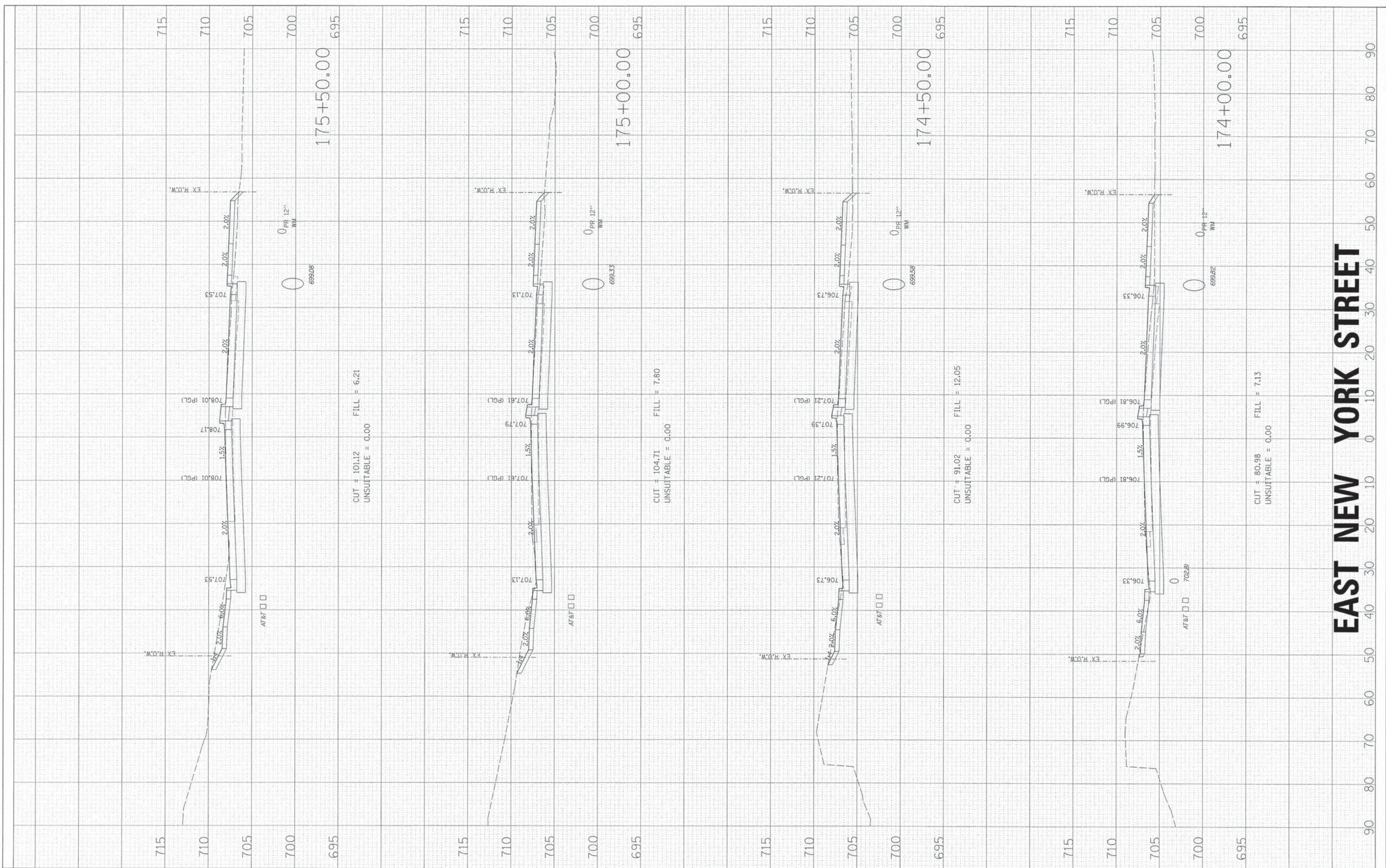
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 172+00.00 TO STA. 173+50.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 145
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
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EAST NEW YORK STREET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

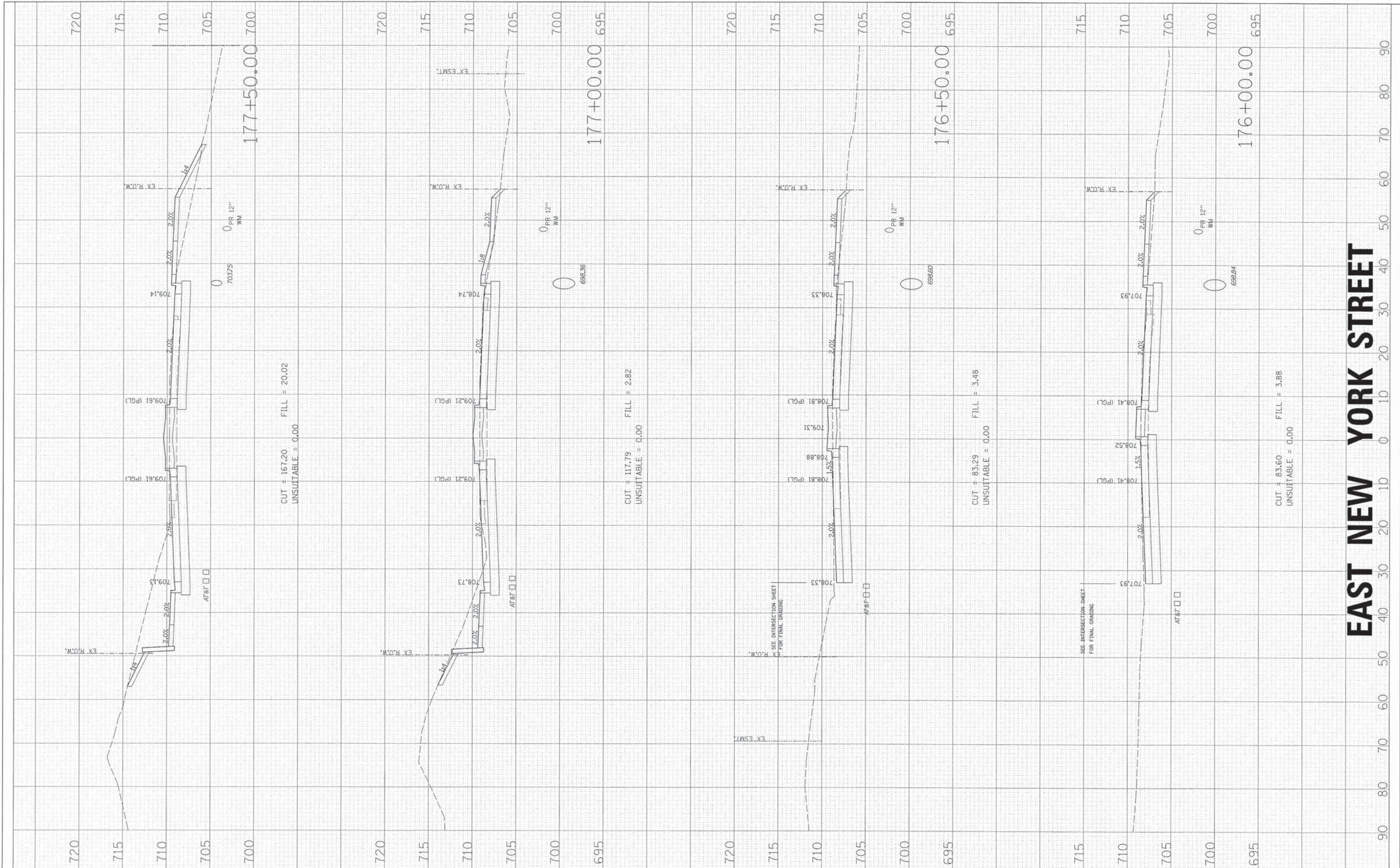
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 174+00.00 TO STA. 175+50.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 146
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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



EAST NEW YORK STREET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

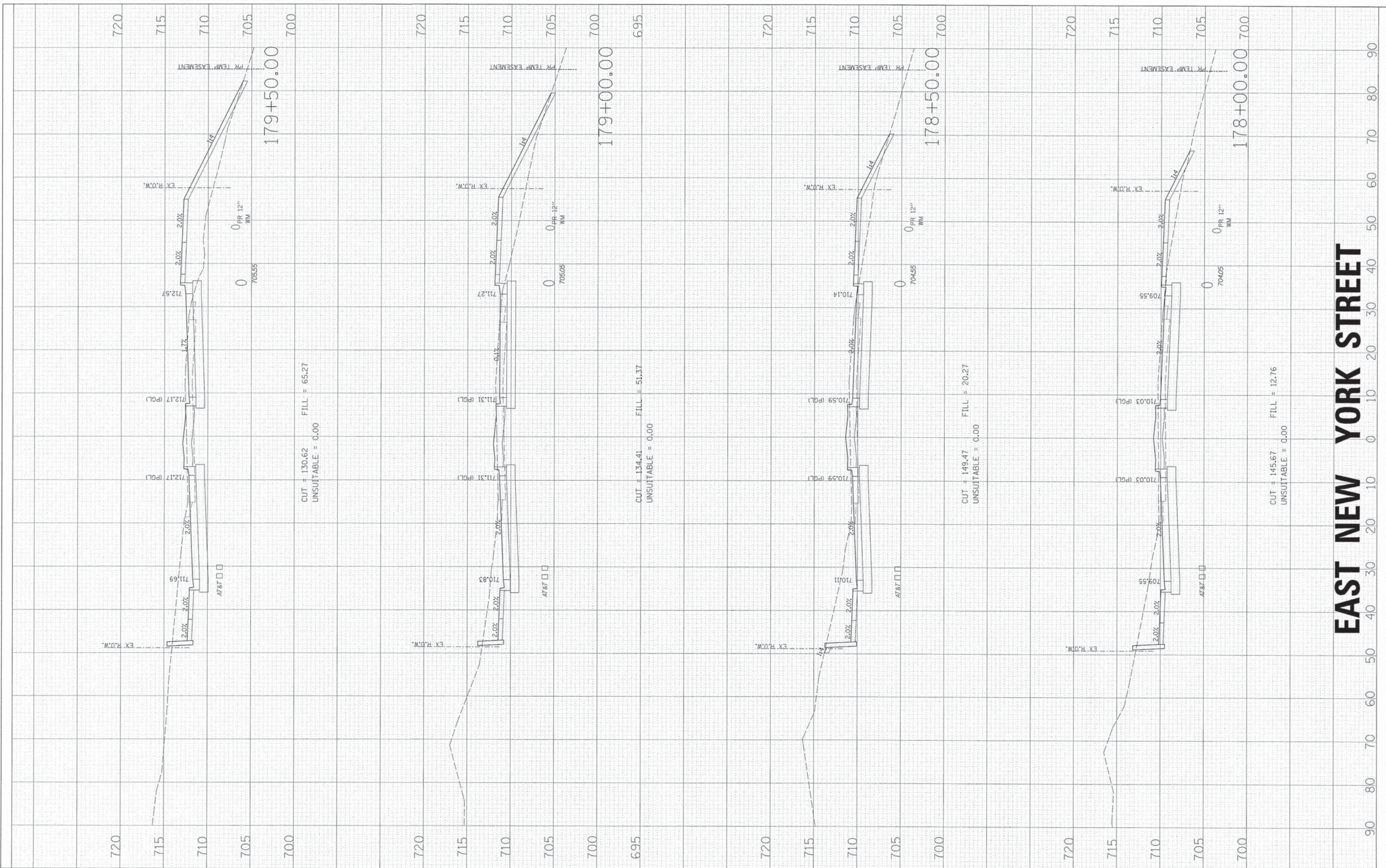
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 176+00.00 TO STA. 177+50.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	147
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO.	

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	NO.
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	NO.
AREAS CHECKED	



EAST NEW YORK STREET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

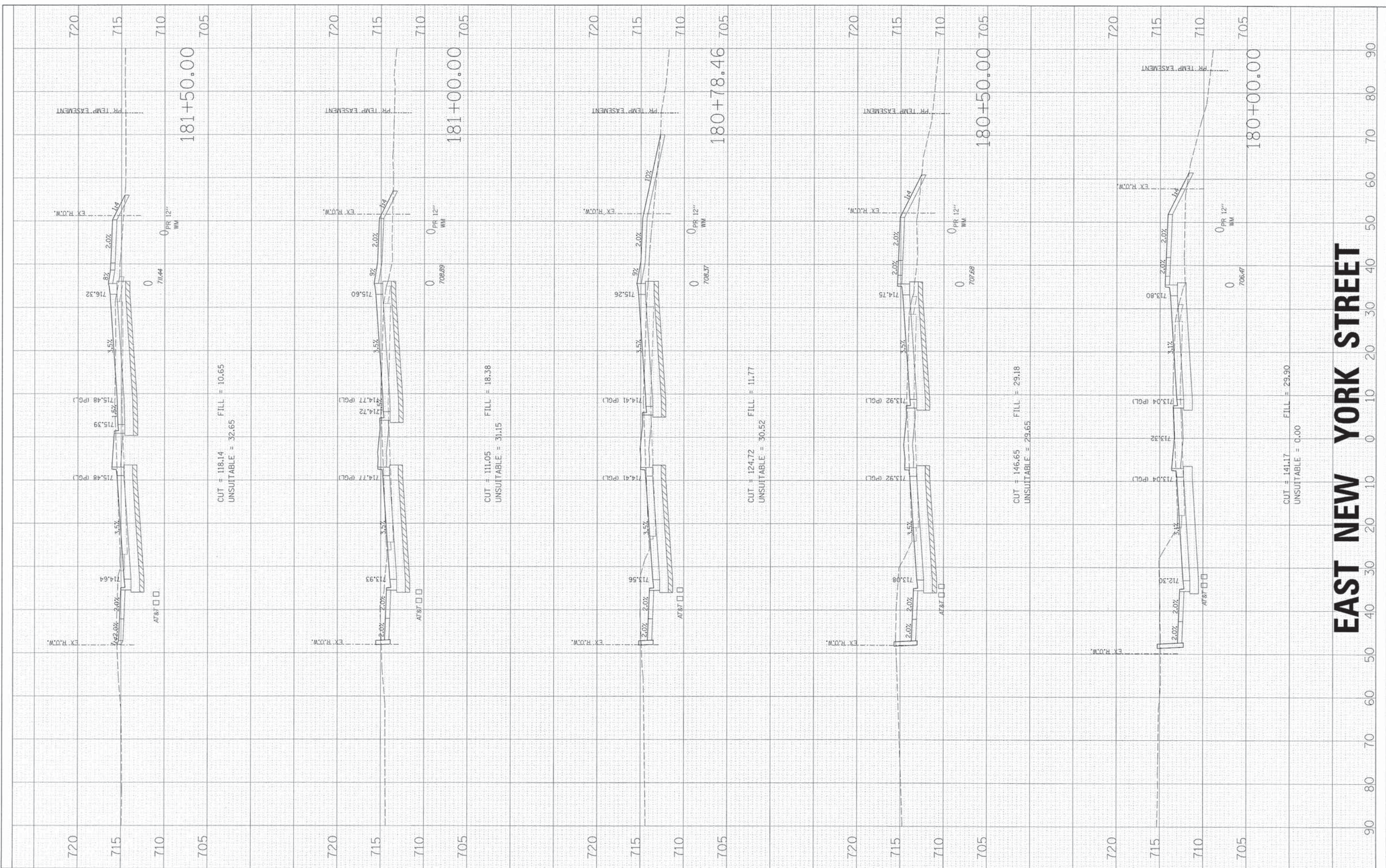
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 178+00.00 TO STA. 179+50.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	148
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.				

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTED	DATE
TEMP. AREAS	
AREAS CHECKED	

FINAL SURVEY	DATE
NOTED	BY
TEMP. AREAS	
AREAS CHECKED	



EAST NEW YORK STREET



USER NAME = gchris	DESIGNED = JRS	REVISED = 11/01/2011
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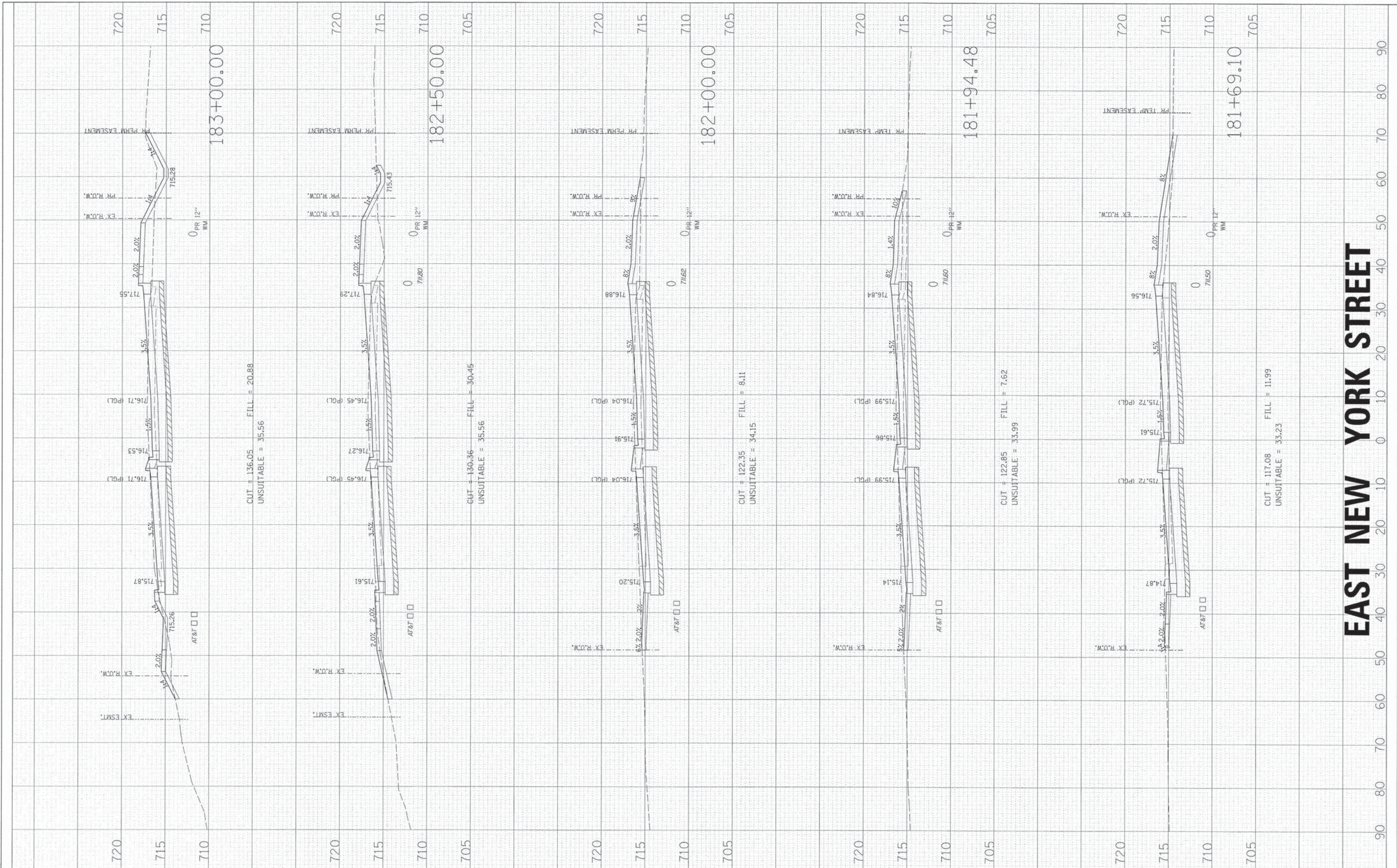
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET NO. OF	SHEETS	STA. 180+00.00 TO STA. 181+50.00

F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 149
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SUPPORTED	BY	DATE
NOTE BOOK NO.	TEMP. DATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SUPPORTED	BY	DATE
NOTE BOOK NO.	TEMP. DATE		
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	AREAS CHECKED		



EAST NEW YORK STREET

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USER NAME =	gchris	DESIGNED =	JRS	REVISED =	11/01/2011
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

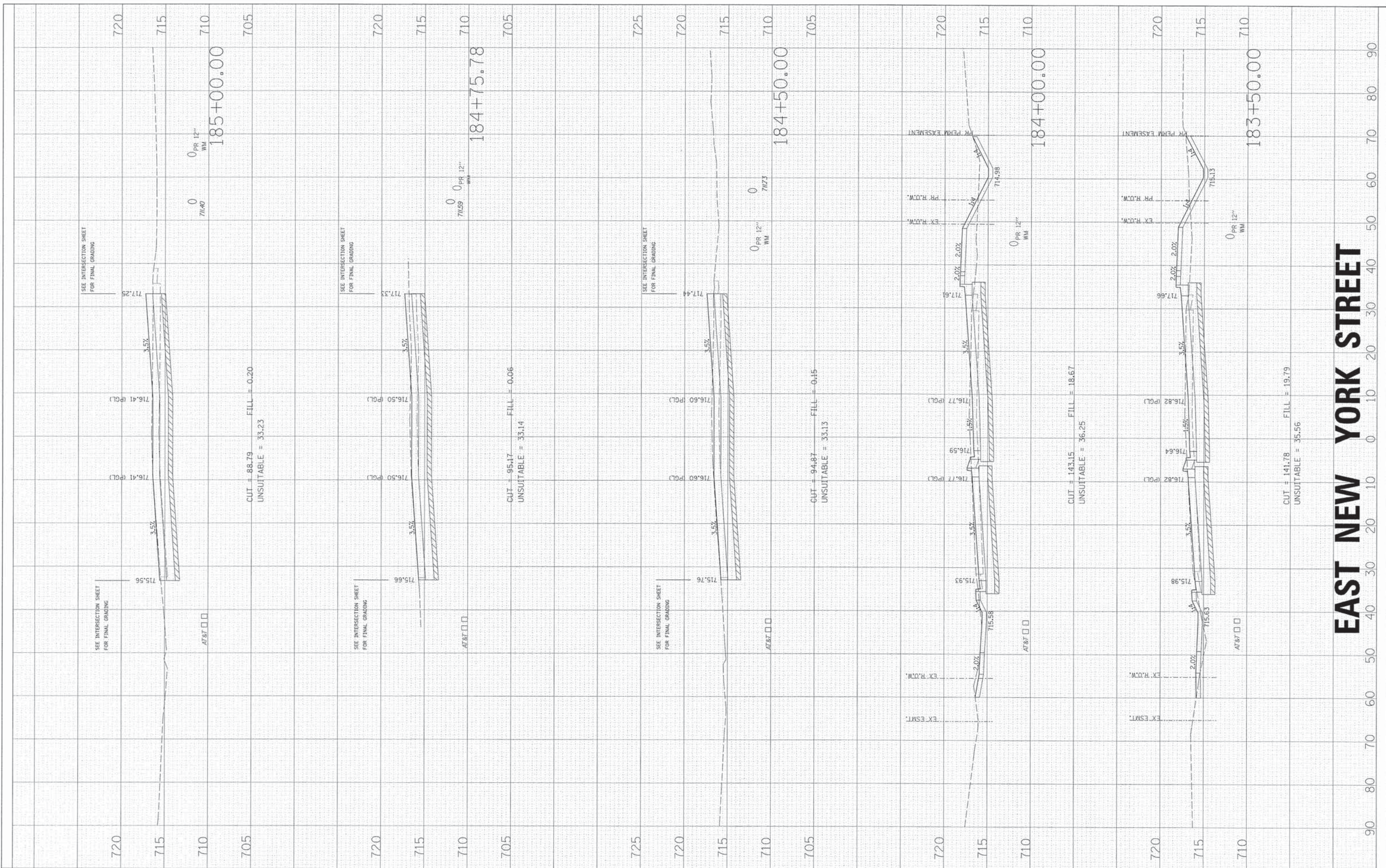
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 181+69.10 TO STA. 183+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	150
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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AREAS CHECKED		
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USER NAME = gchris	DESIGNED = JRS	REVISED = 11/01/2011
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

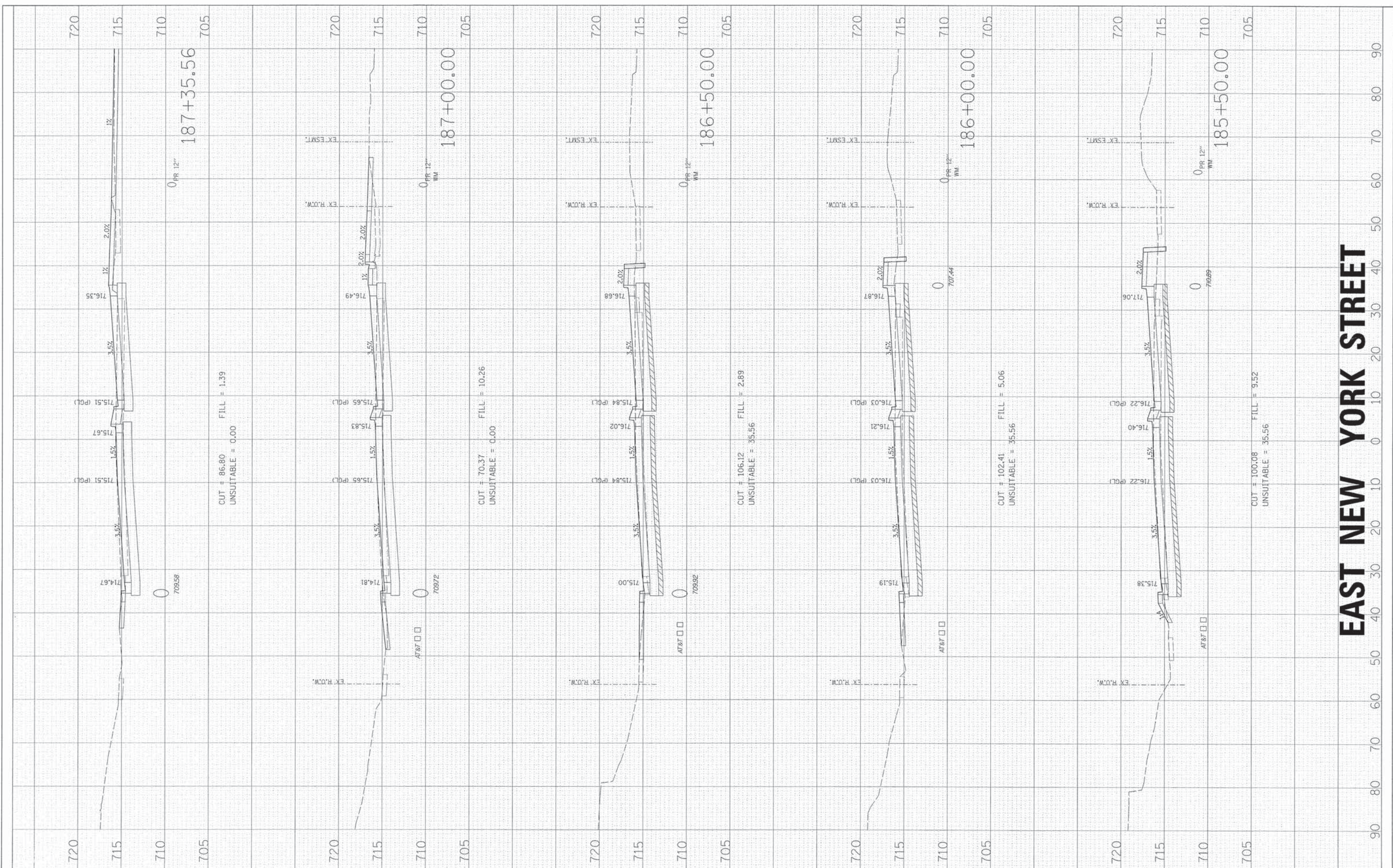
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 183+50.00 TO STA. 185+00.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 151
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
NOTED	BY
NO.:	

ORIGINAL SURVEY	DATE
NOTED	BY
NO.:	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

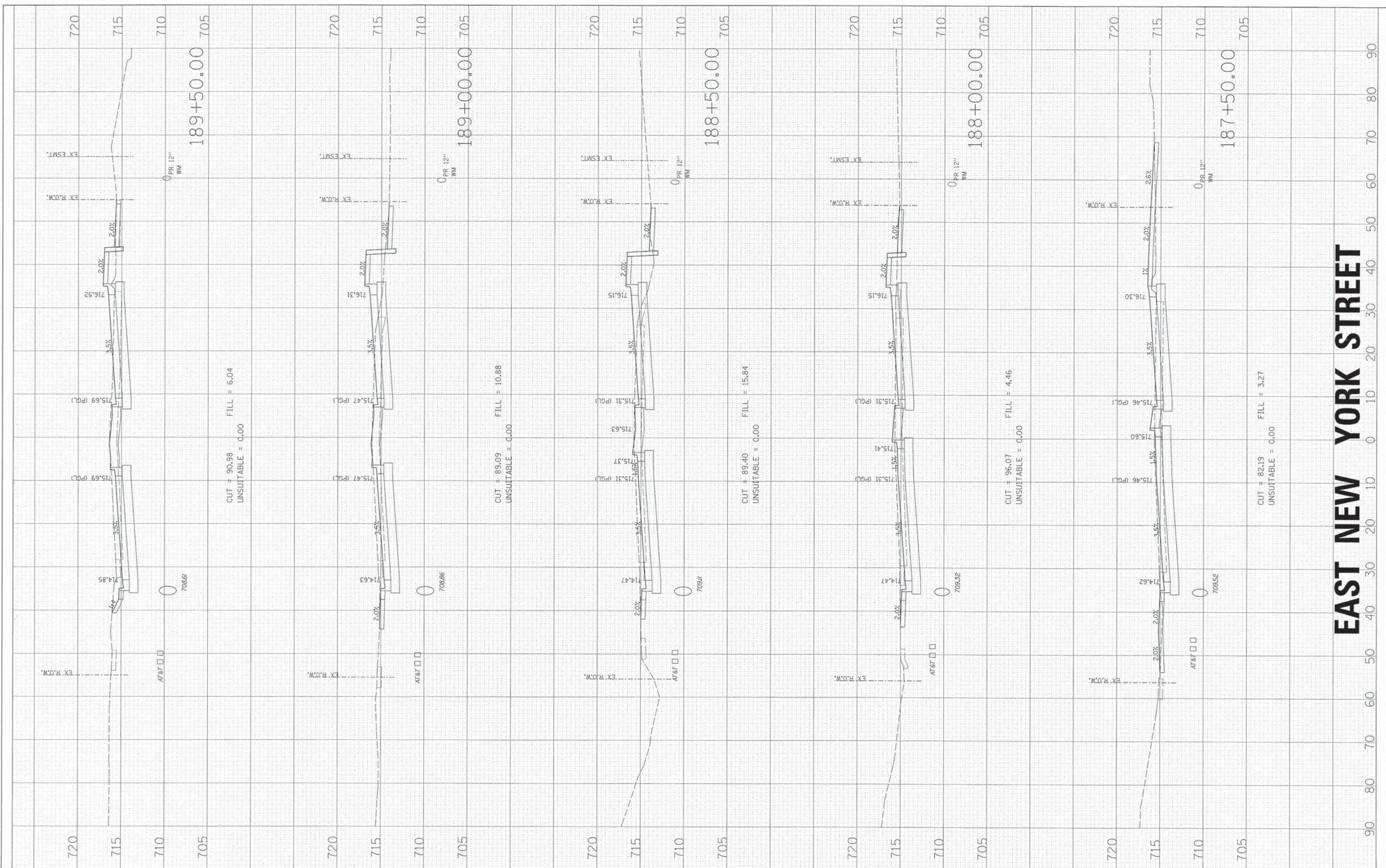
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 185+50.00 TO STA. 187+35.56
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 152
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO.		

FINAL SURVEY	DATE
SURVEYED	BY
NOTED	
PLotted	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTED	
PLotted	
AREAS	
CHECKED	
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USER NAME = gchris	DESIGNED = JRS	REVISED = 11/01/2011
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

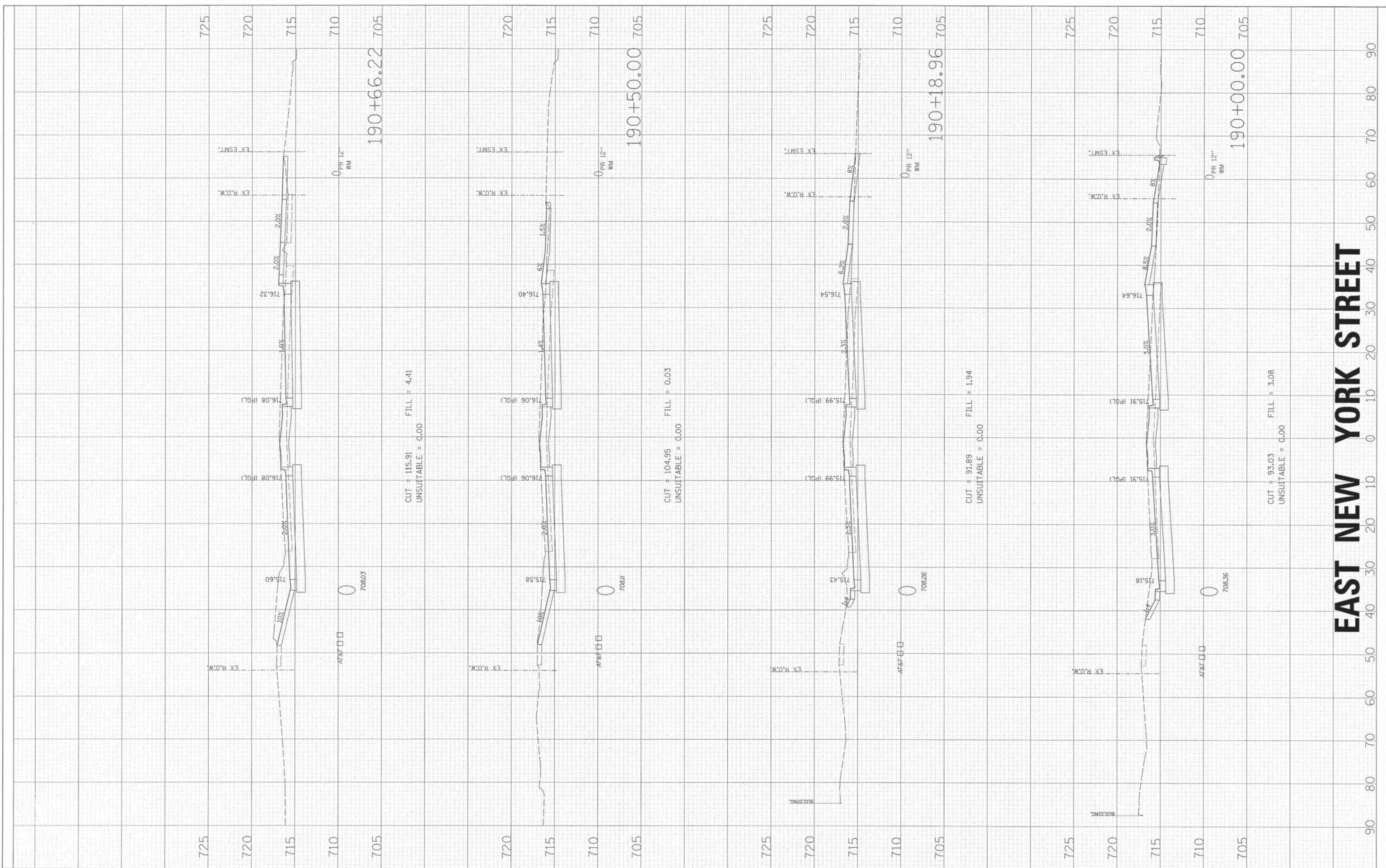
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 187+50.00 TO STA. 189+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	153
CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



EAST NEW YORK STREET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

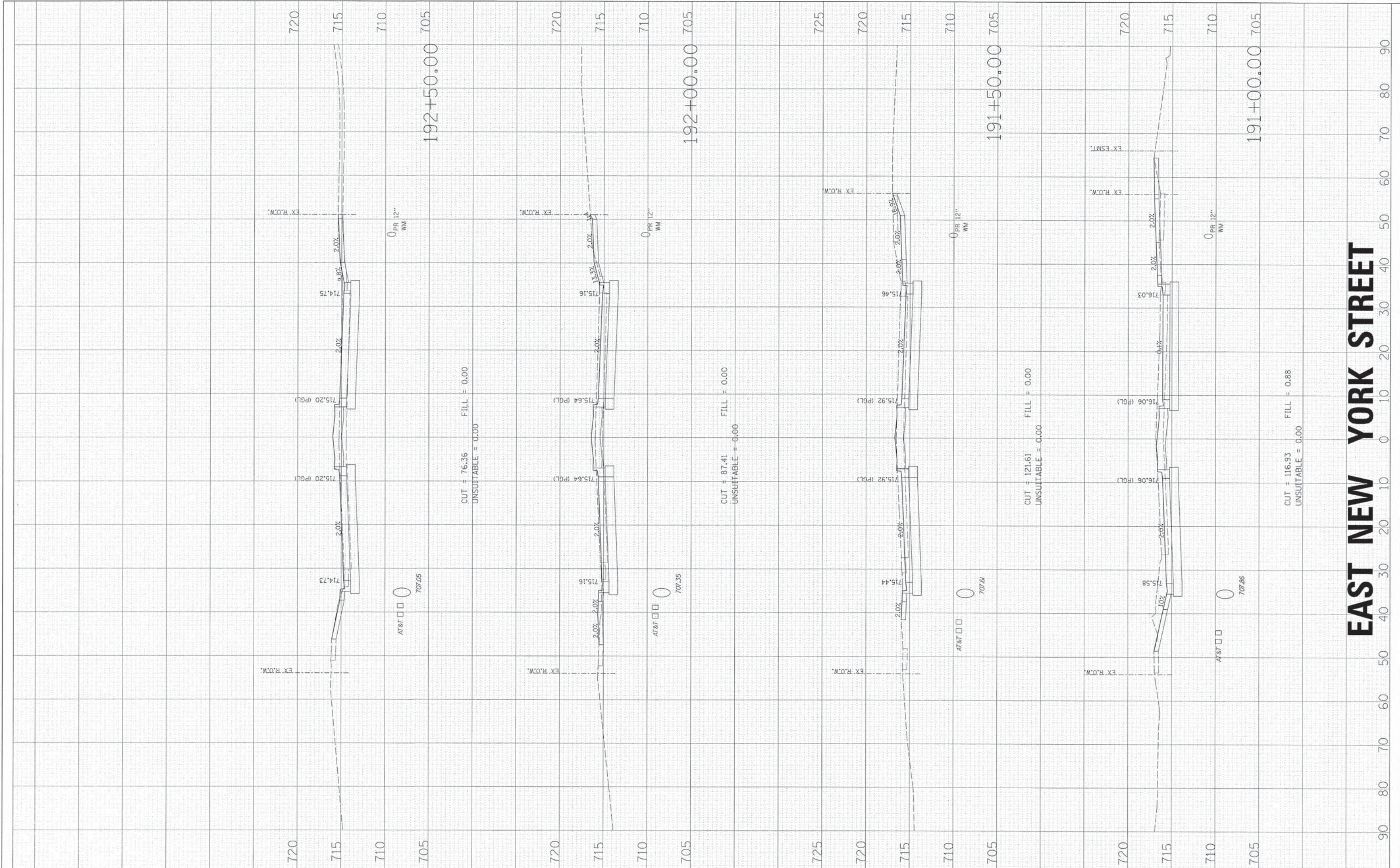
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 190+00.00 TO STA. 190+66.22
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 154
CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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



EAST NEW YORK STREET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

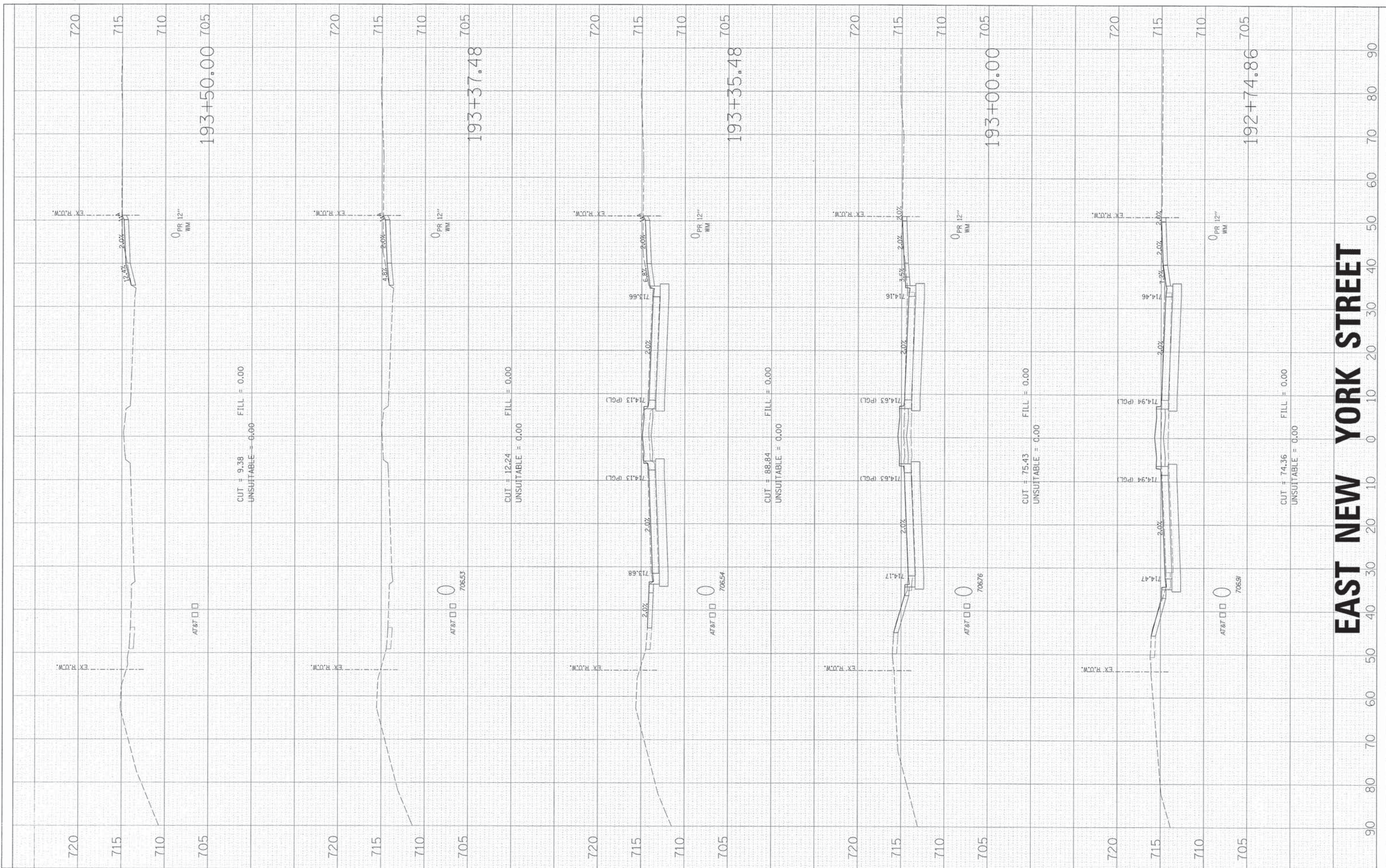
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 191+00.00 TO STA. 192+50.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 155
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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NO.		



EAST NEW YORK STREET

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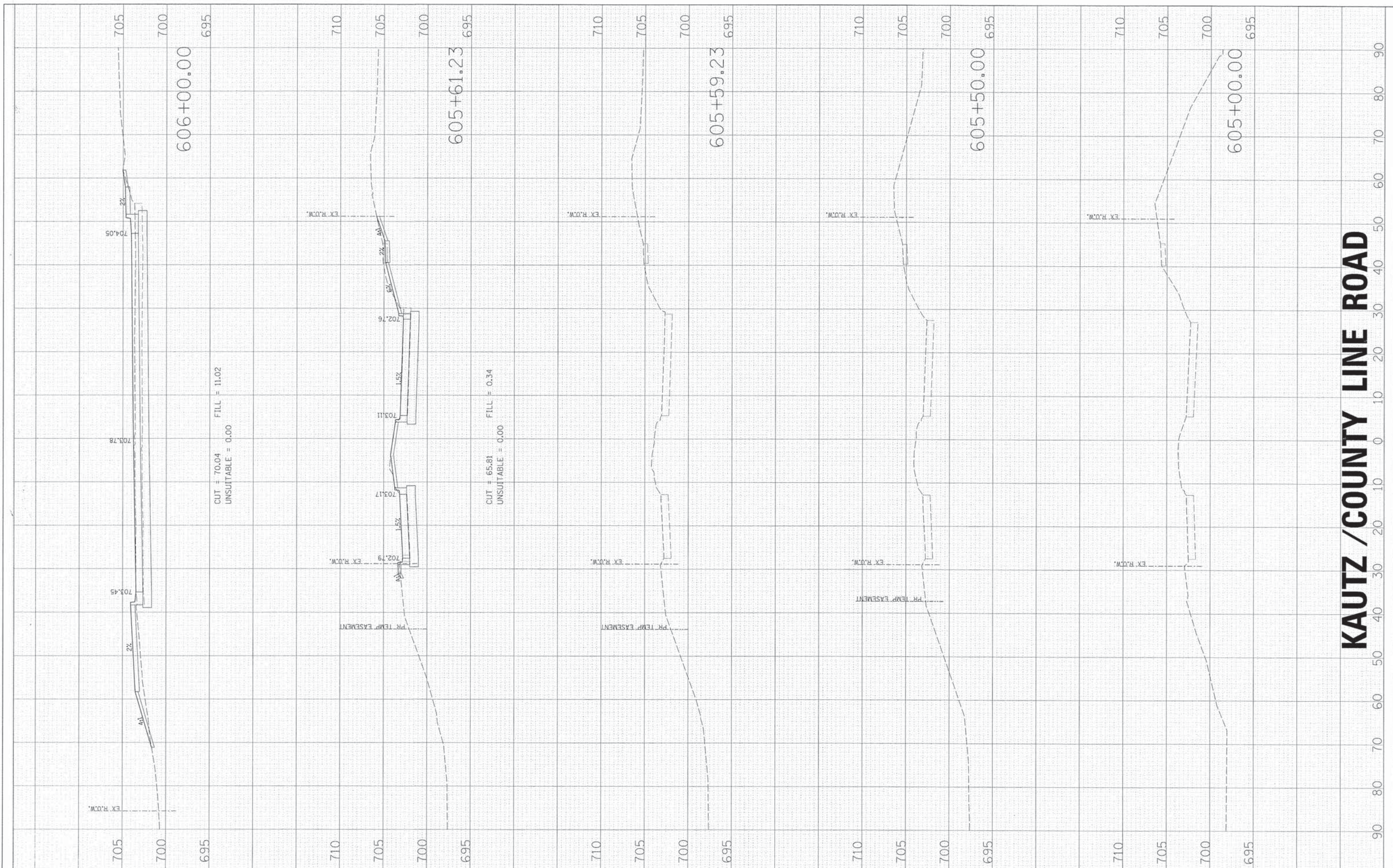
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 192+74.86 TO STA. 193+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	156
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

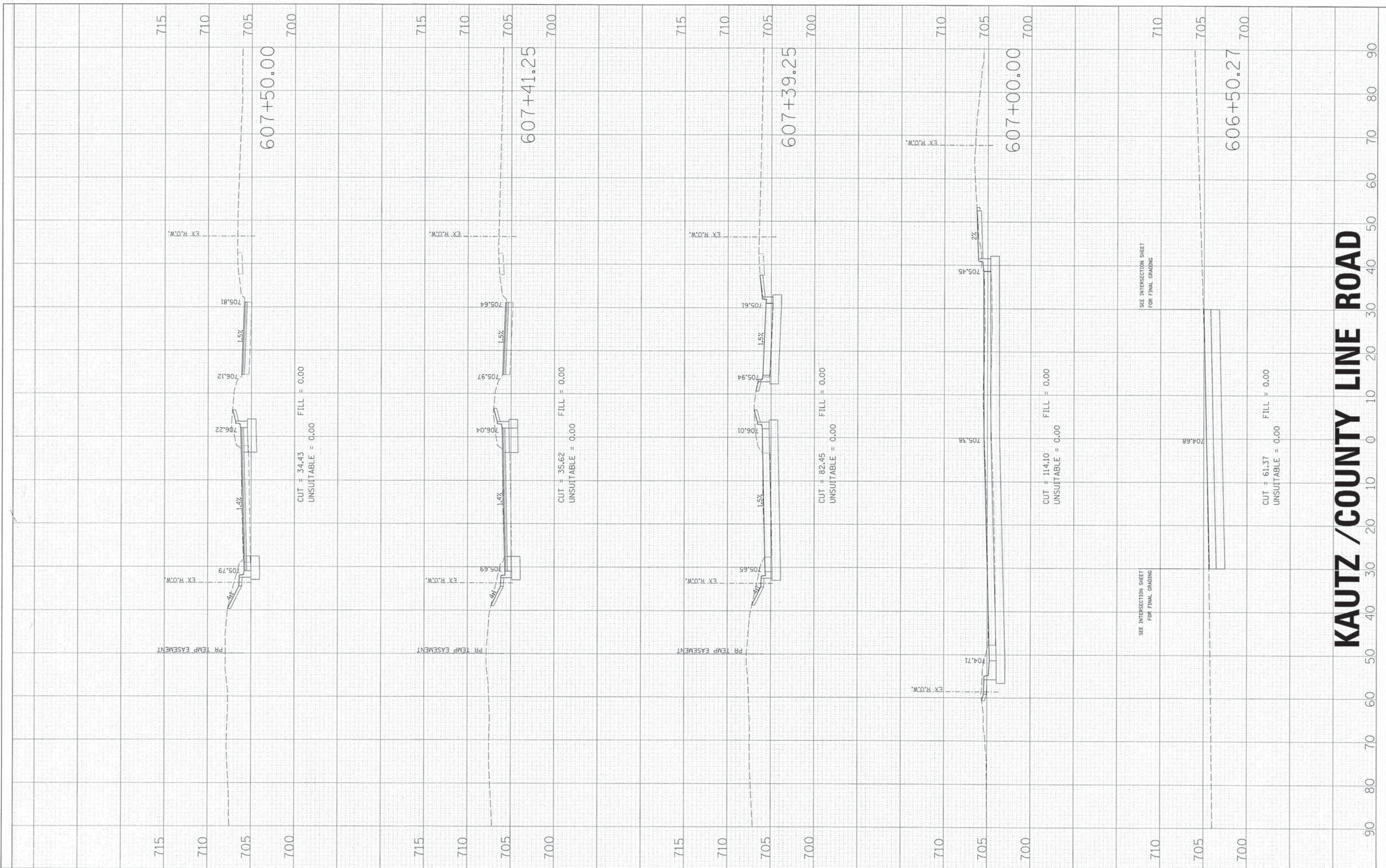
CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 605+00.00 TO STA. 606+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	157
FED. ROAD DIST. NO.		[ILLINOIS] FED. AID PROJECT		

KAUTZ / COUNTY LINE ROAD

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
NO.		



KAUTZ / COUNTY LINE ROAD

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET NO.	OF	SHEETS
			STA. 606+50.27 TO STA. 607+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	158
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.				

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

ORIGINAL SURVEY	REVISION	DATE
NOTE BOOK NO.	TEMPLATE	AREAS CHECKED



KAUTZ / COUNTY LINE ROAD

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

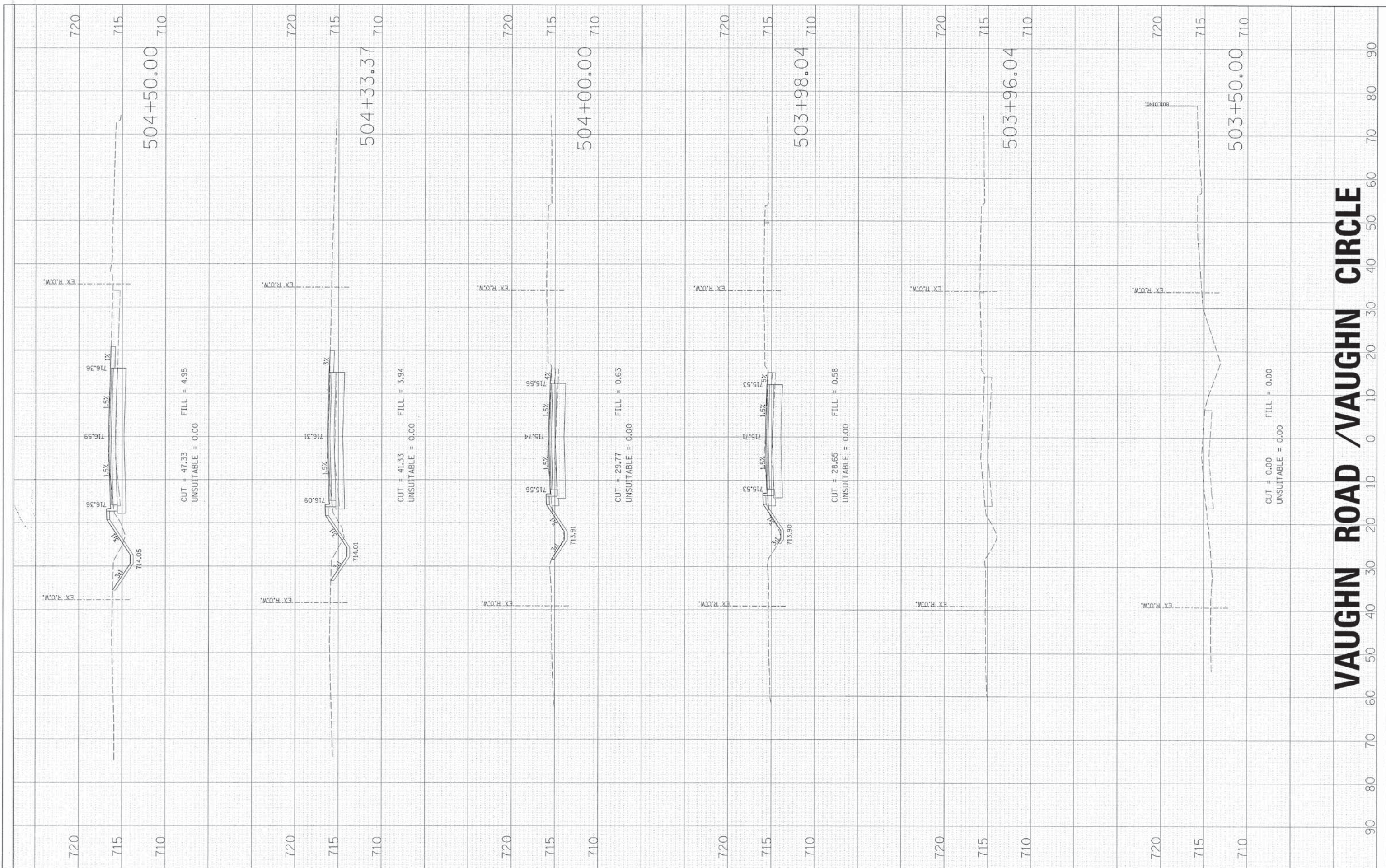
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 608+00.00 TO STA. 609+50.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	159
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	AREAS		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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VAUGHN ROAD / VAUGHN CIRCLE

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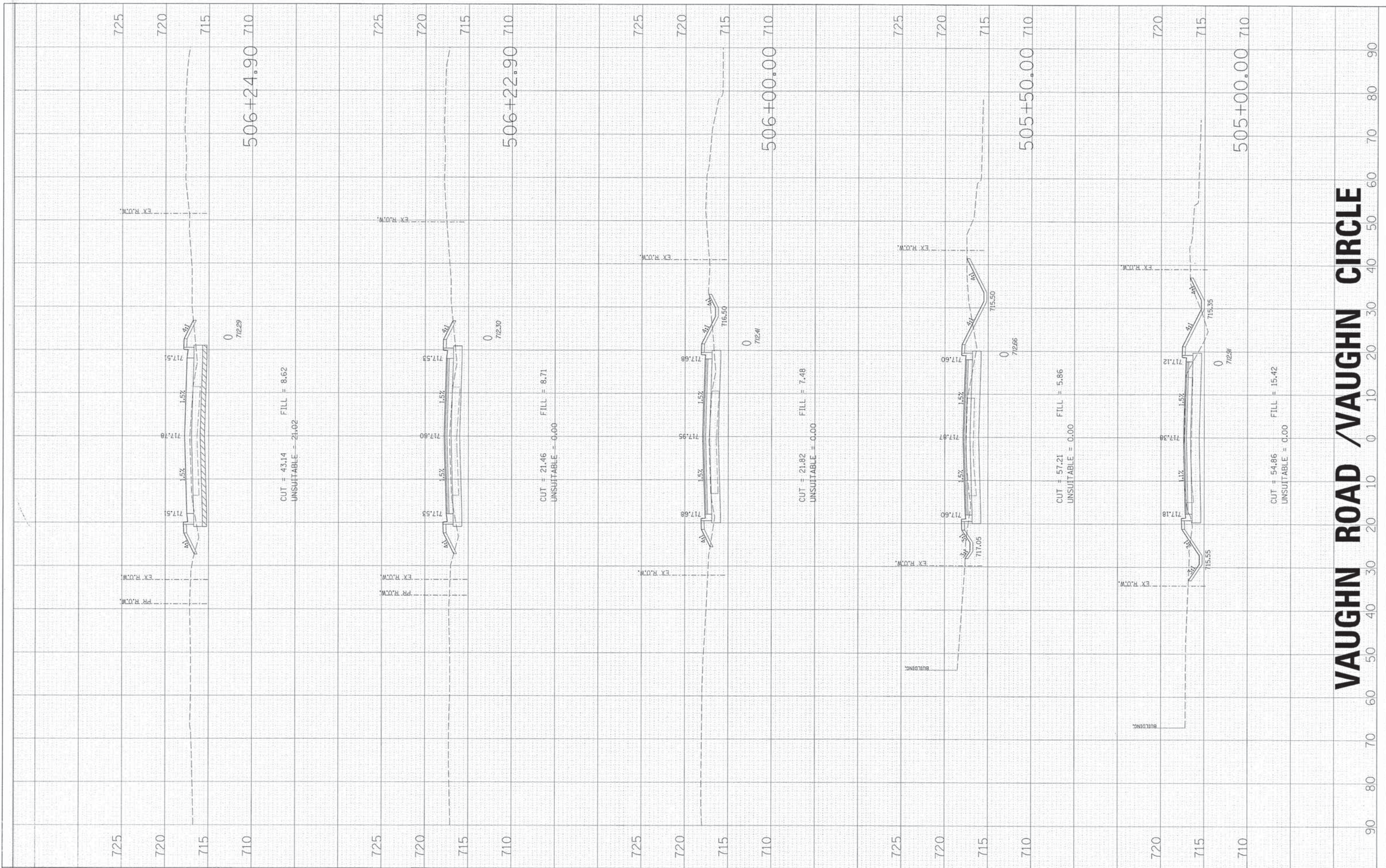
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 503+50.00 TO STA. 504+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1522	07-00210-01-PV	DUPAGE/KANE	167	160
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NO. _____		
PLOTTED		
REVISIONS		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NO. _____		
PLOTTED		
REVISIONS		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

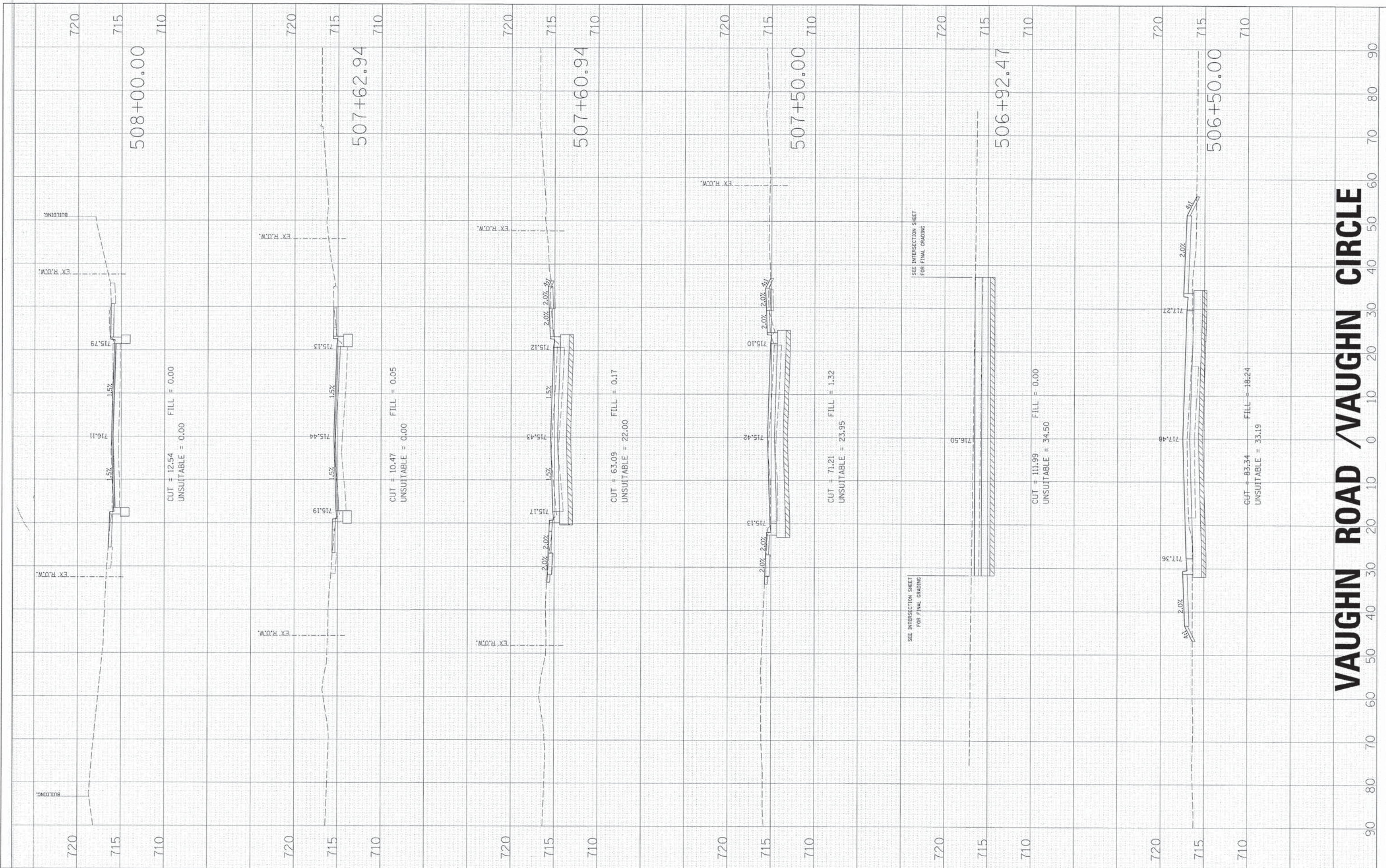
CROSS SECTIONS			
SCALE:	SHEET NO. OF	SHEETS	STA. 505+00.00 TO STA. 506+24.90

F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 161
FED. ROAD DIST. NO. [ILLINOIS]		FED. AID PROJECT		

VAUGHN ROAD / VAUGHN CIRCLE

FINAL SURVEY	BY	DATE
SURVEYED		
FIELD		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
FIELD		
NOTE BOOK		
NO.		



VAUGHN ROAD / VAUGHN CIRCLE

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = gchris99	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 604_xs_voughn.rdg	DRAWN - BAH	REVISED -
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PLOT DATE = 6/4/2013	DATE - 01/25/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

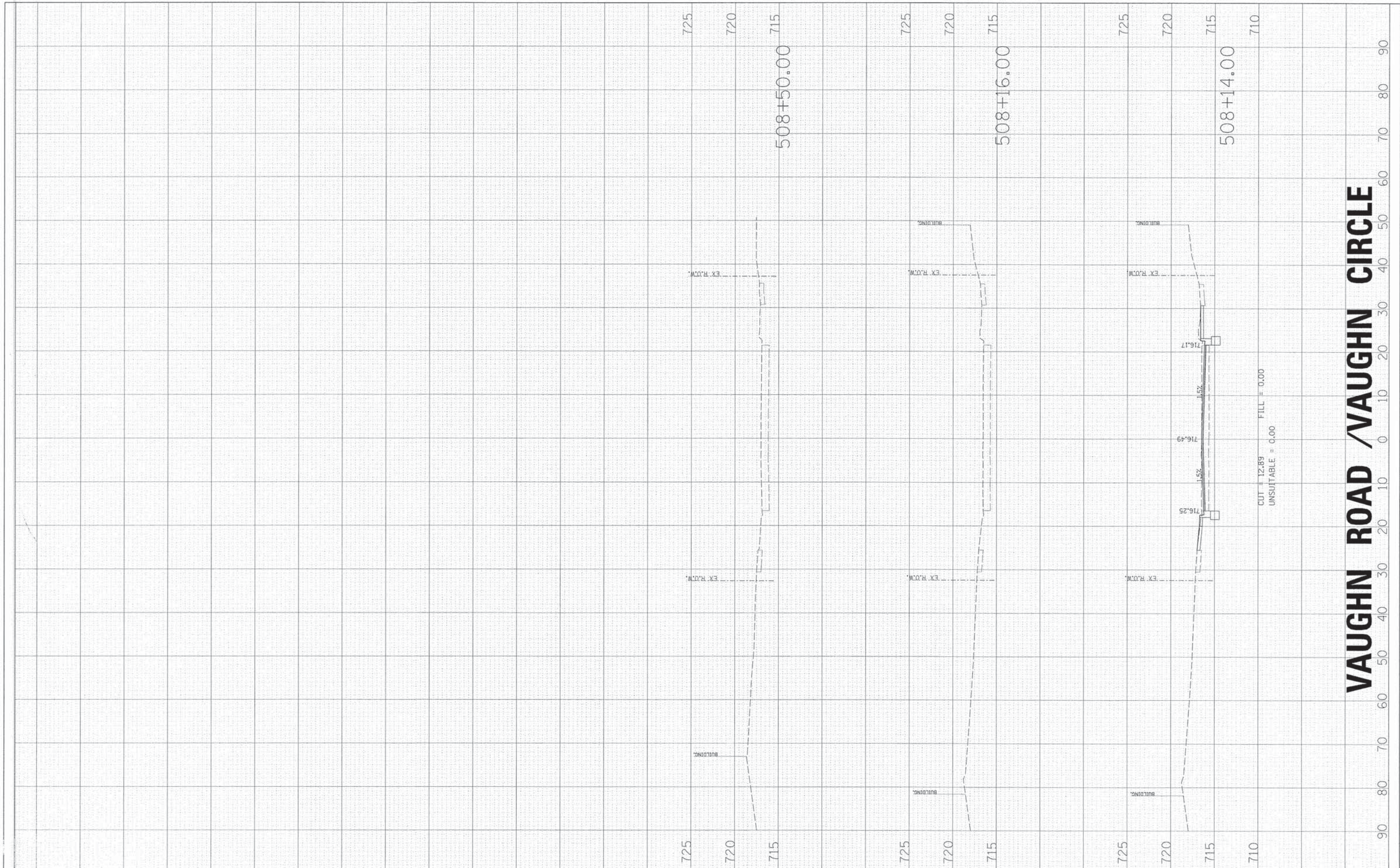
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 506+50.00 TO STA. 508+00.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 162
FED. ROAD DIST. NO.		[ILLINOIS] FED. AID PROJECT		

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

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



VAUGHN ROAD / VAUGHN CIRCLE

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

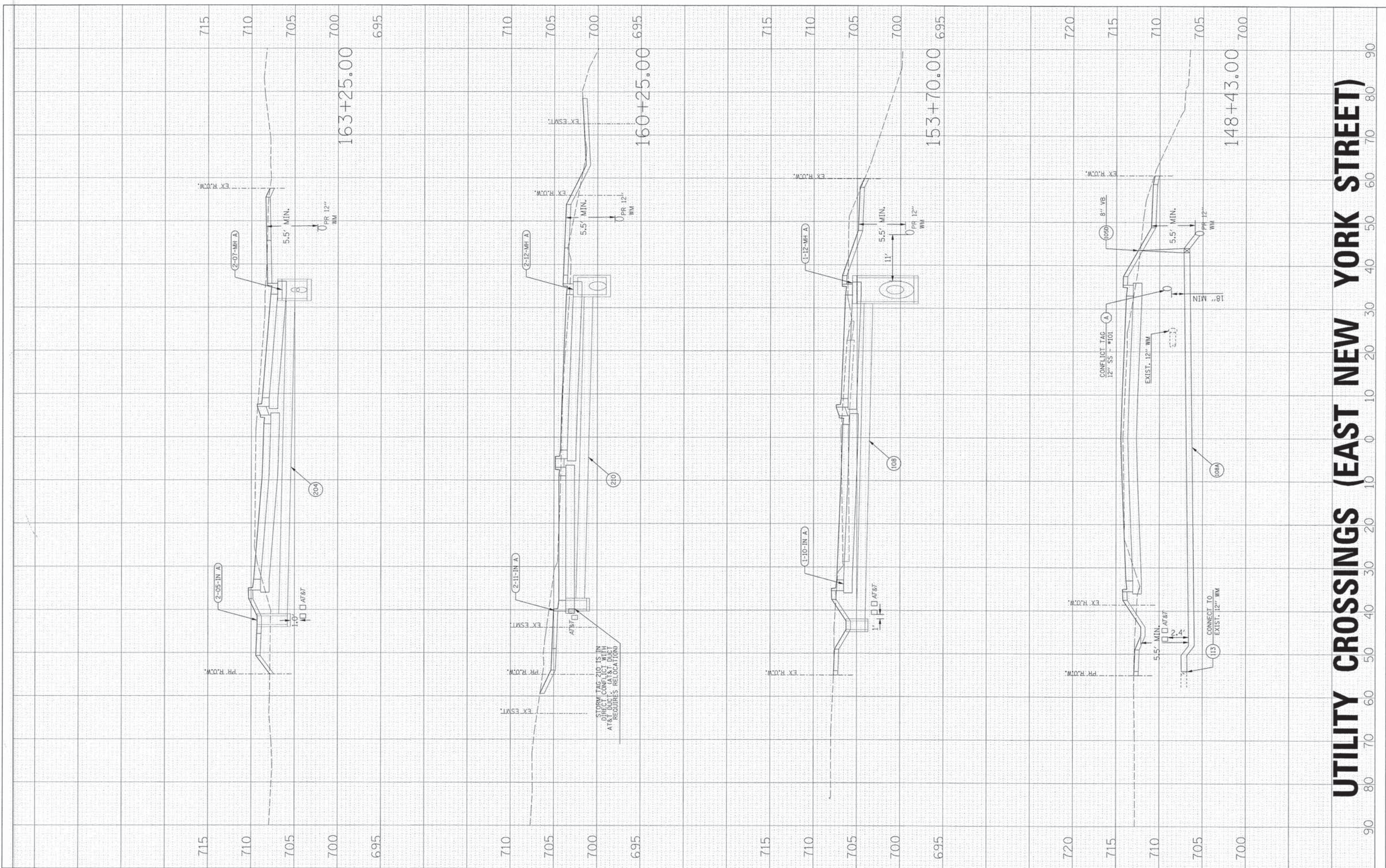
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 508+14.00 TO STA. 508+50.00

F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 163
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



UTILITY CROSSINGS (EAST NEW YORK STREET)

HRGreen.com
 Illinois Professional Design Firm
 # 184-001522

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FILE NAME = 604_ws_nygrsqv.dgn	DRAWN - BAH	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

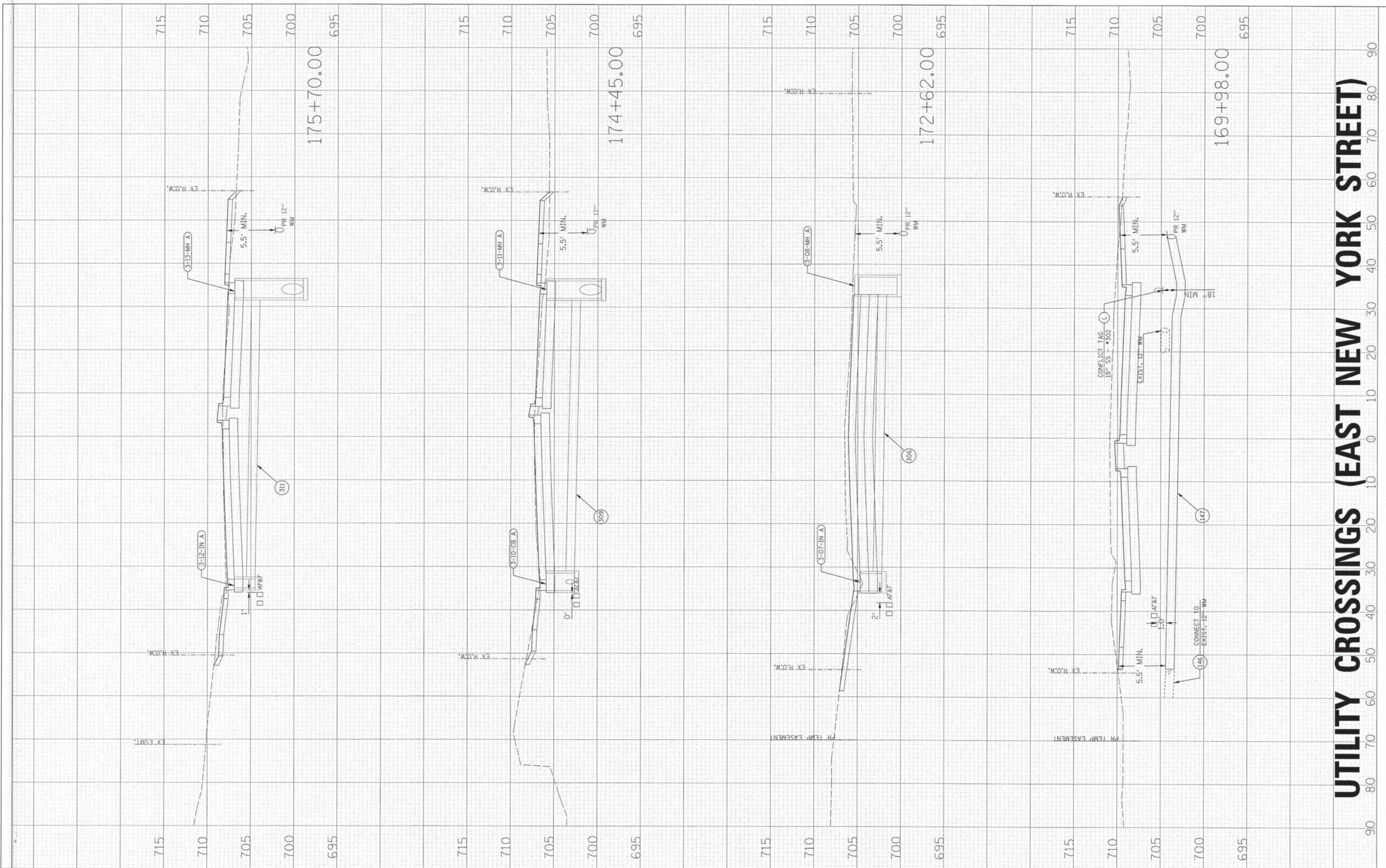
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 148+43.00 TO STA. 163+25.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 164
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
TOP/LITE		
AREAS		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
TOP/LITE		
AREAS		
NO.		



UTILITY CROSSINGS (EAST NEW YORK STREET)

HRGreen.com
 Illinois Professional Design Firm
 # 184-001922

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

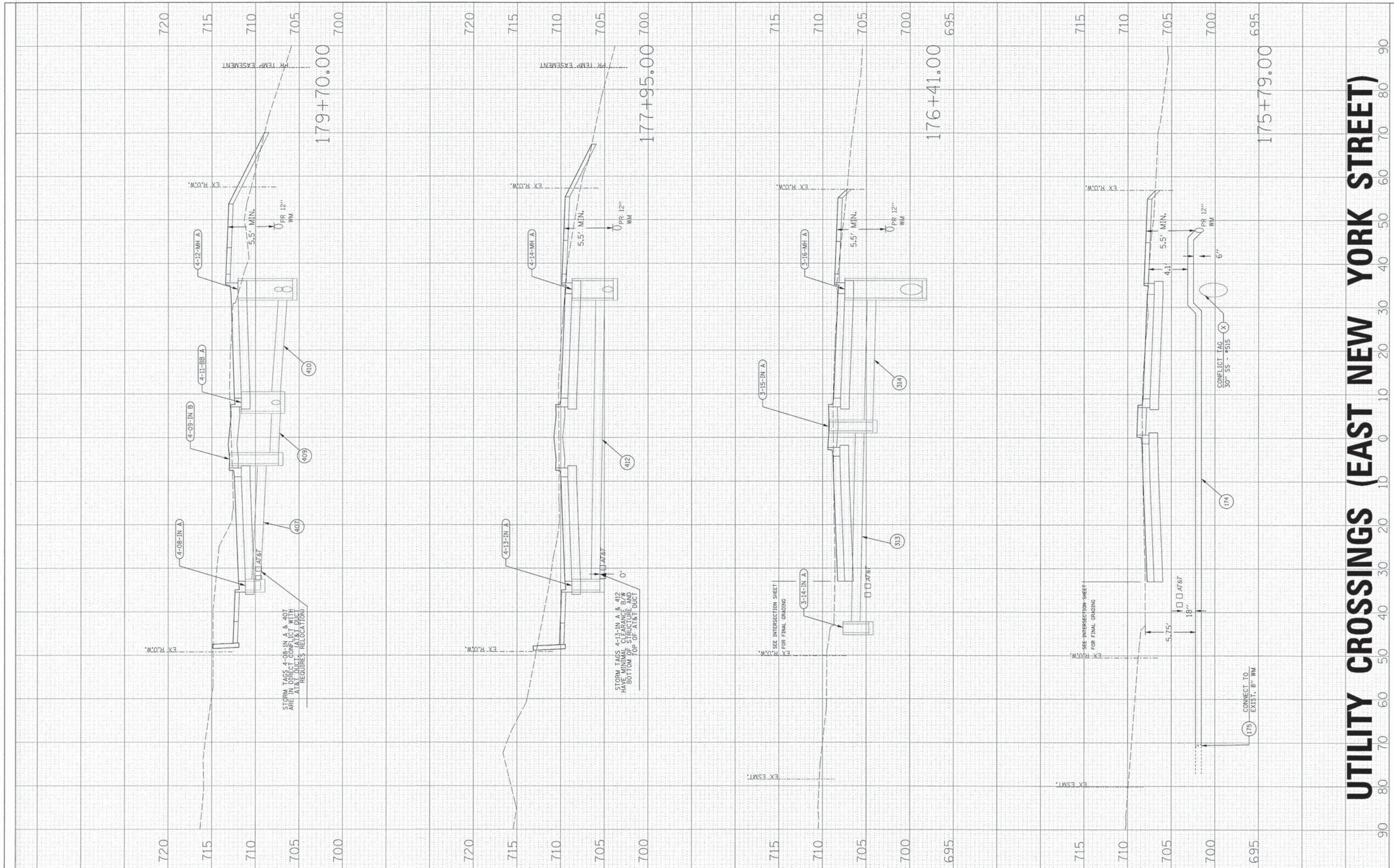
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 169+98.00 TO STA. 175+70.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 165
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



UTILITY CROSSINGS (EAST NEW YORK STREET)

HRGreen.com
 Illinois Professional Design Firm
 #154-001322

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PLOT DATE 6/5/2013	DATE - 01/25/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

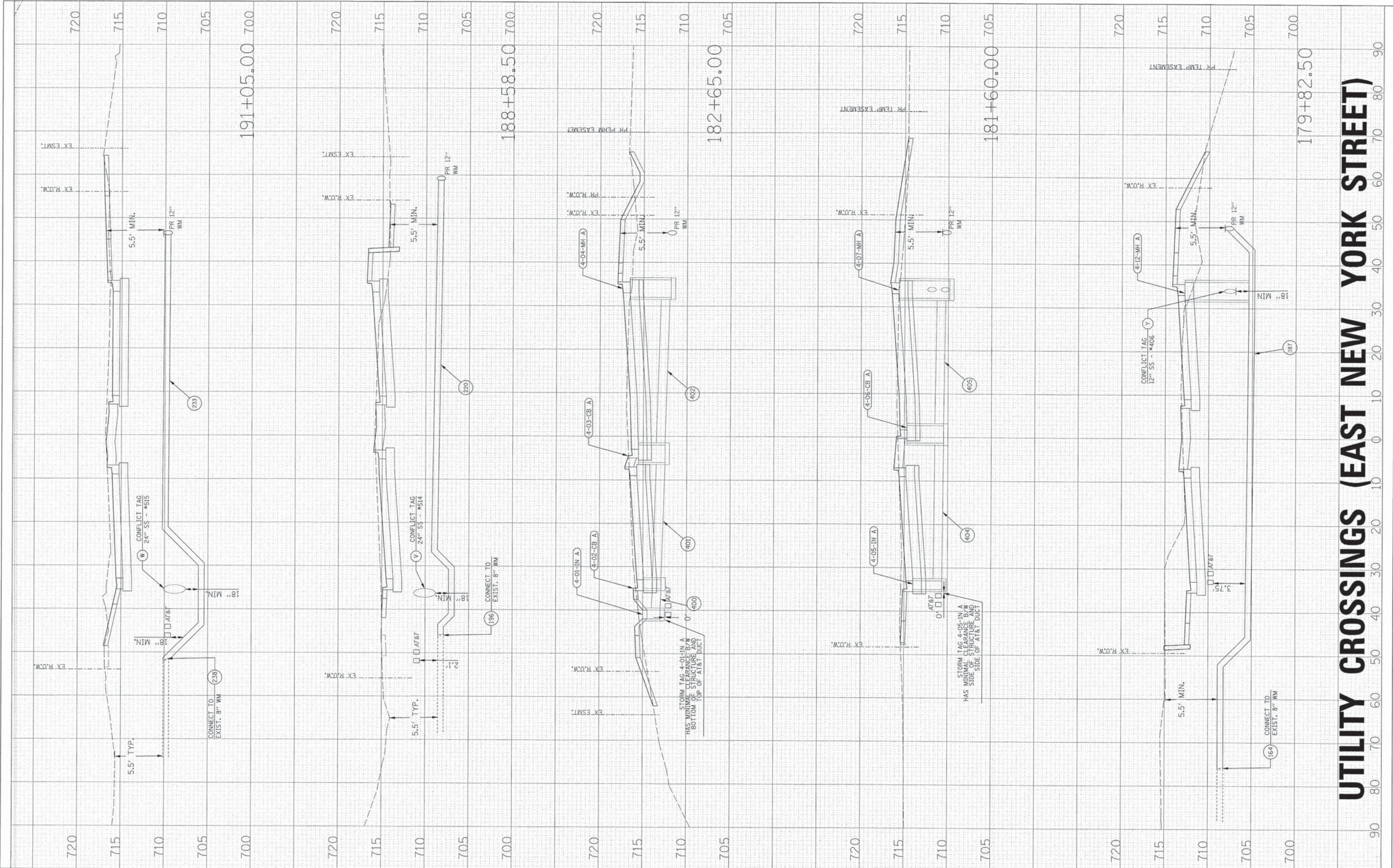
CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 175+79.00 TO STA. 179+70.00
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F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 166
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	BY	DATE
REVISIONS		
NO. DATE		
NO.		

ORIGINAL SURVEY	BY	DATE
REVISIONS		
NO. DATE		
NO.		



UTILITY CROSSINGS (EAST NEW YORK STREET)

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = gchris	DESIGNED - JRS	REVISED - 11/01/2011
FILE NAME = 684_xs_nj(uniquel).dgn	DRAWN - BAH	REVISED -
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PLOT DATE = 6/5/2013	DATE - 01/25/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 179+82.50 TO STA. 188+58.50

F.A.U. RTE. 1522	SECTION 07-00210-01-PV	COUNTY DUPAGE/KANE	TOTAL SHEETS 167	SHEET NO. 167
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		