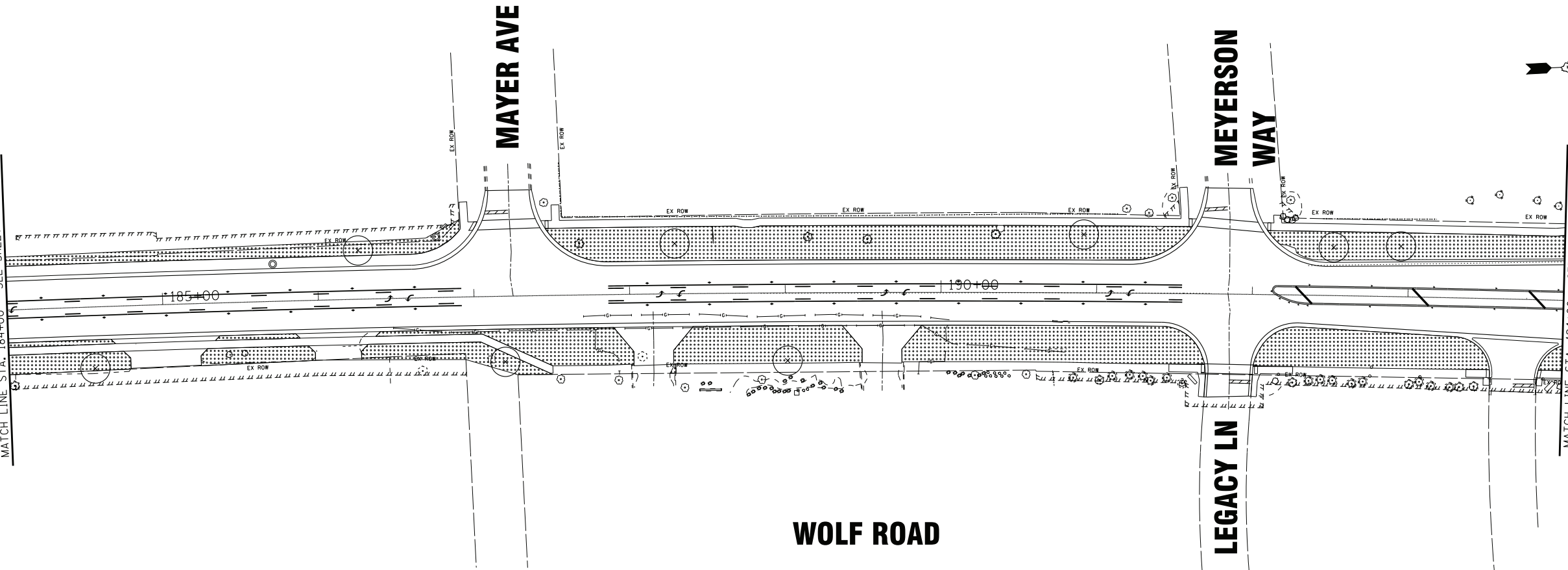


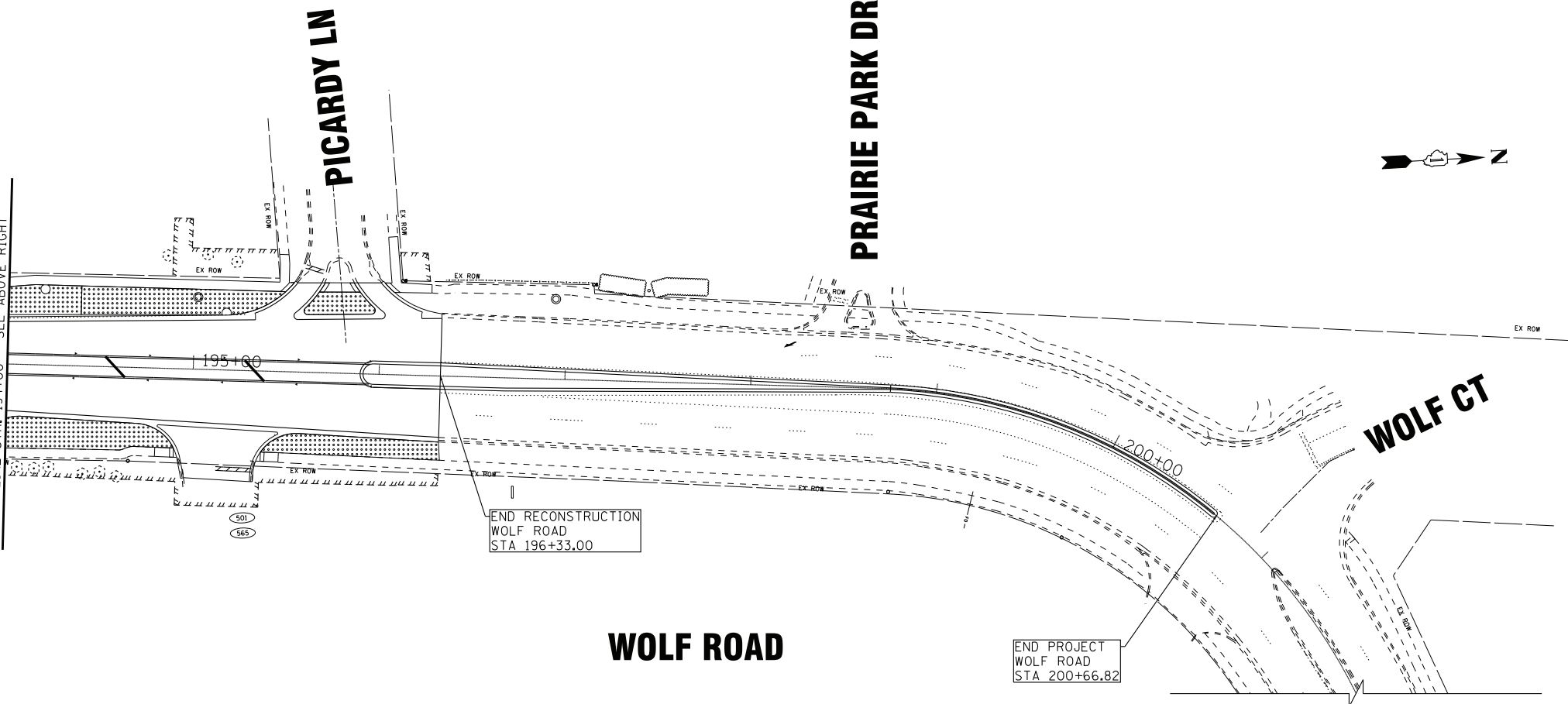
MATCH LINE STA. 184+00 - SEE SHEET NO. 200



MATCH LINE STA. 194+00 - SEE BELOW LEFT

WOLF ROAD

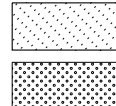
MATCH LINE STA. 194+00 - SEE ABOVE RIGHT



WOLF ROAD

WOLF CT

LEGEND



SODDING (SALT TOLERANT)



TREE



SEEDING, CLASS 1B



TREE TRUNK PROTECTION

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DESIGNED - AMW	REVISED -
DRAWN - CJC	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_Lndscp4.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

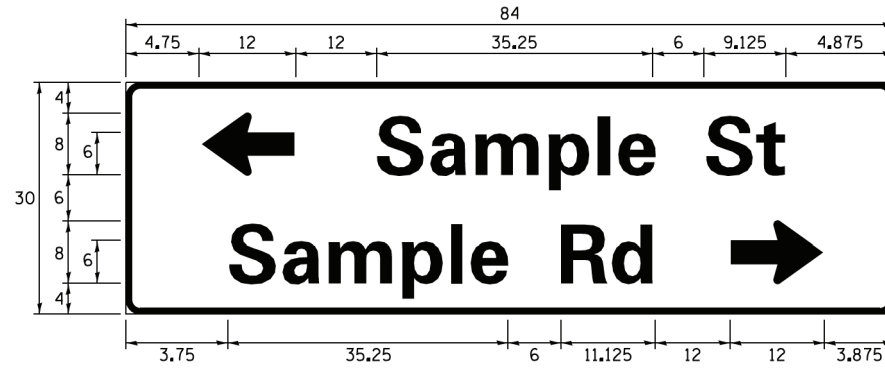
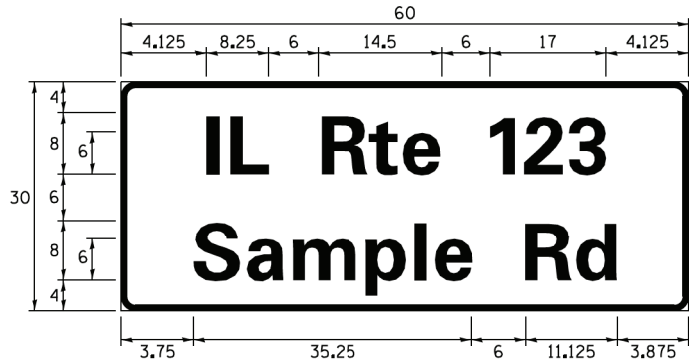
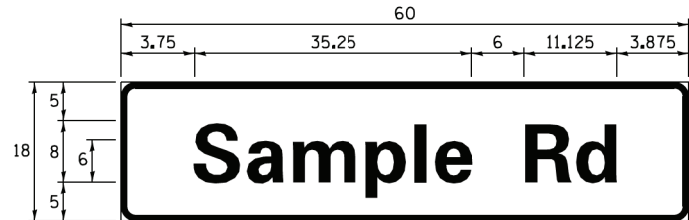
LANDSCAPING PLAN
WOLF ROAD

SCALE: 1" = 40'

STA. 184+00 TO STA. 201+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	201
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE $\frac{3}{4}$ " WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

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

PARTS LISTING:

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

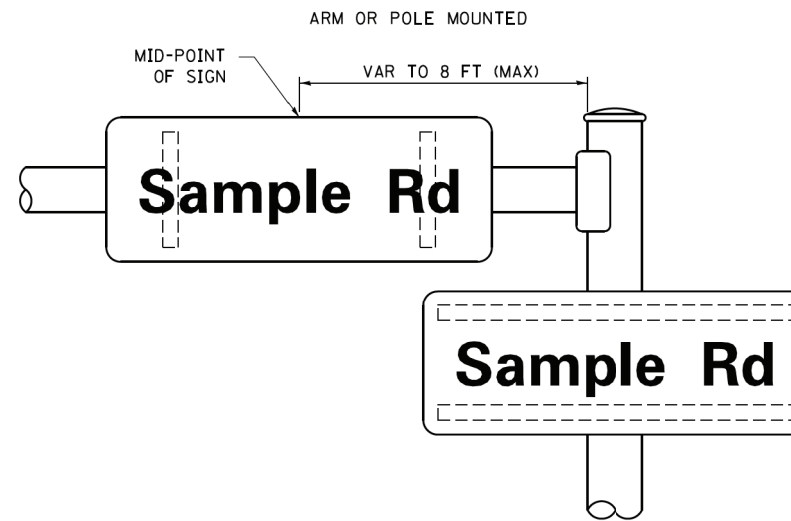
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

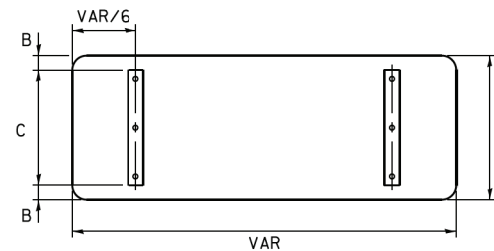
(8") UPPER CASE AND (6") LOWER CASE

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

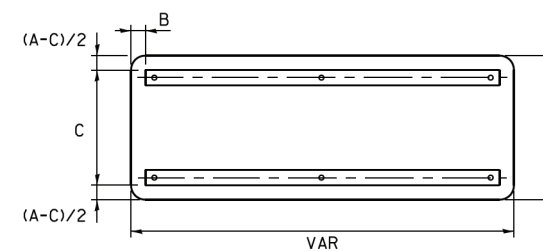
MOUNTING LOCATION



SUPPORTING CHANNELS



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



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

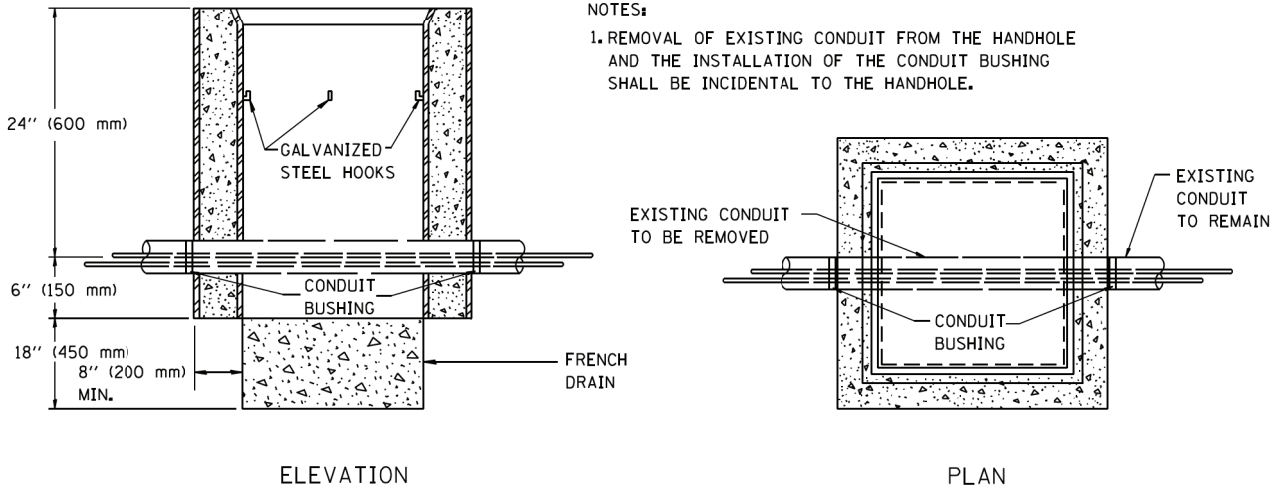
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 PROJECT NO. 11-111-000-10-000-10-000
 DATE 11/17/2015

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...	...	CHECKED -	REVISED -
...	...	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HANDHOLE TO INTERCEPT EXISTING CONDUIT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

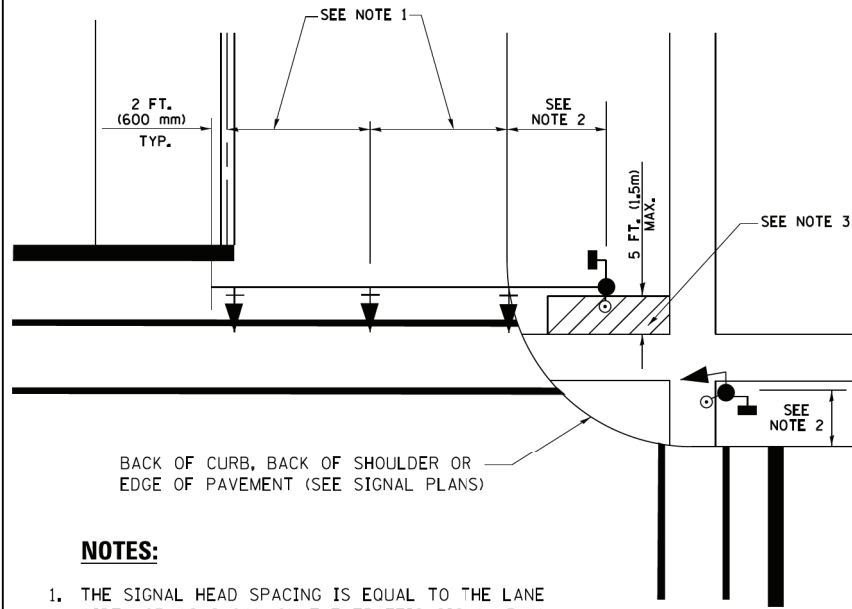
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	203
TS-03		CONTRACT NO. 60T05		
ILLINOIS FED. AID PROJECT				



NOTES:
 1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.

**DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT**

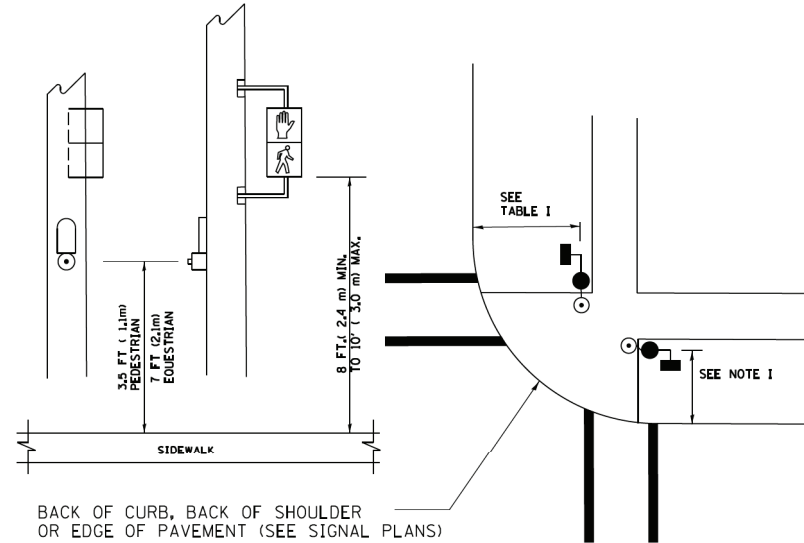
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

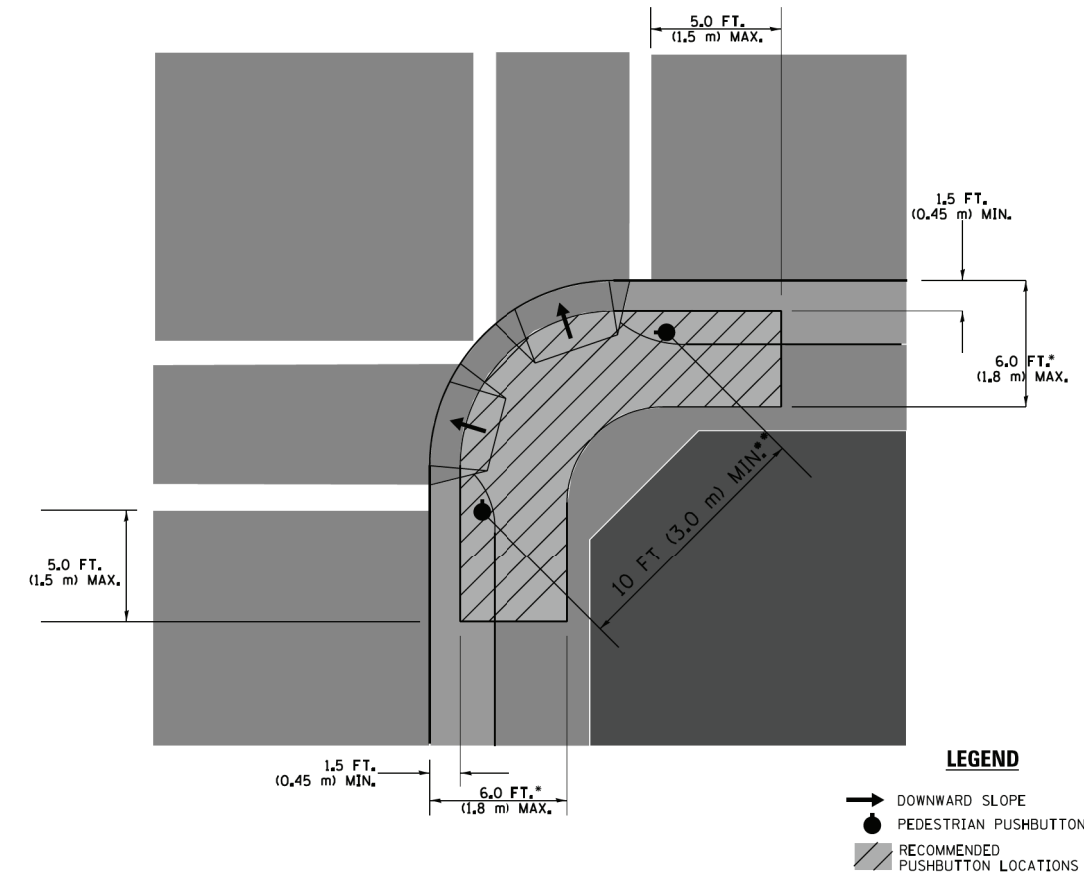
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

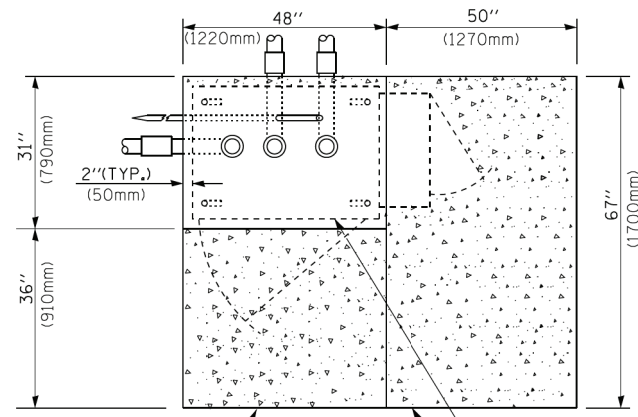
TRAFFIC SIGNAL EQUIPMENT OFFSET

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

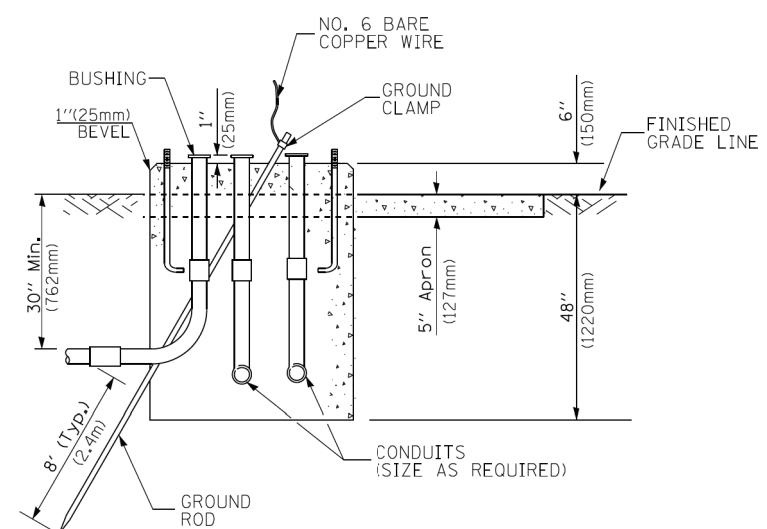
NOTES:

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

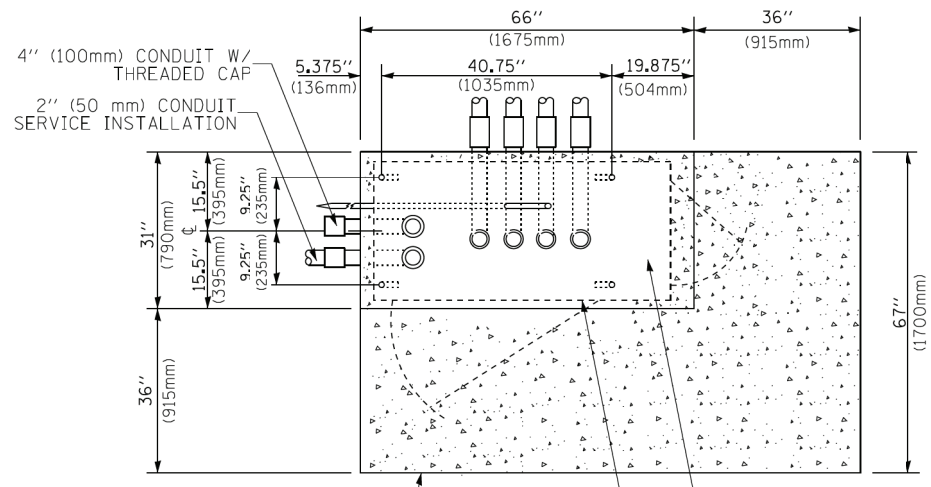
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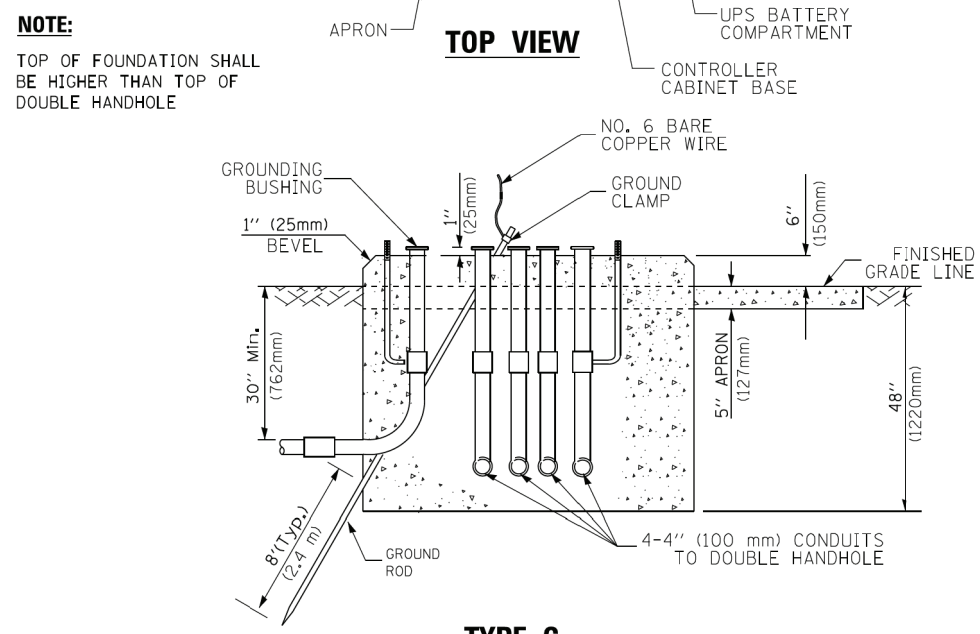
TOP VIEW



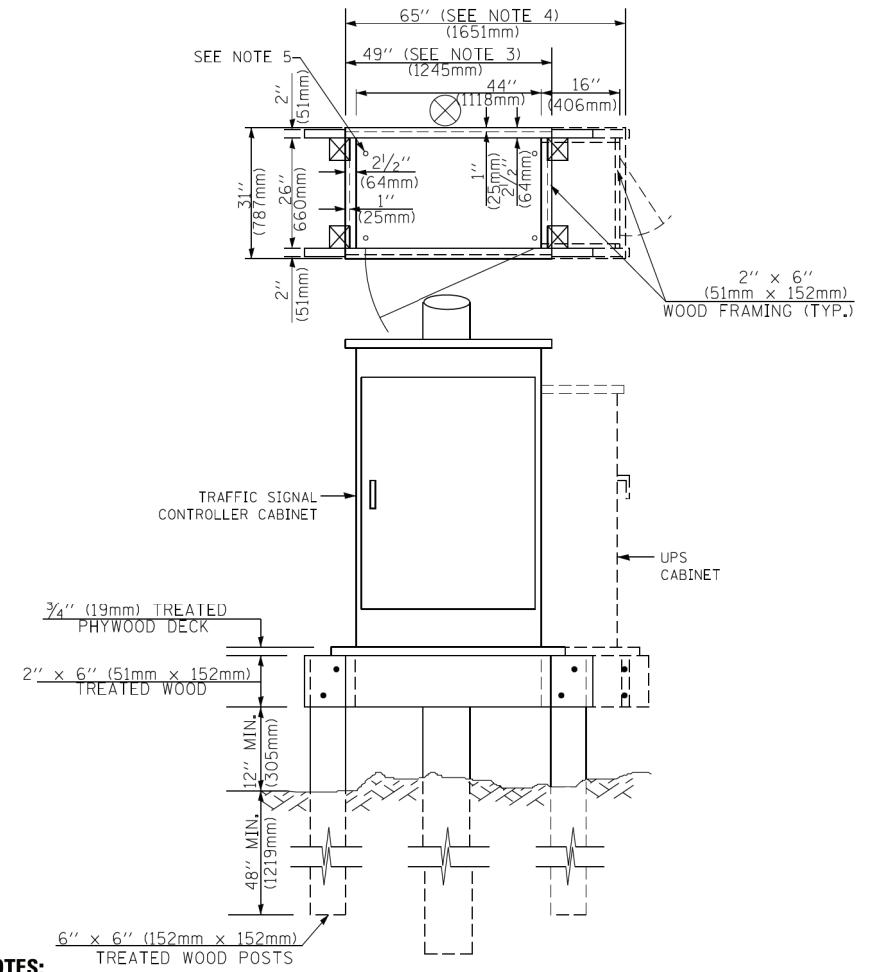
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	6'-0" (1.8m)

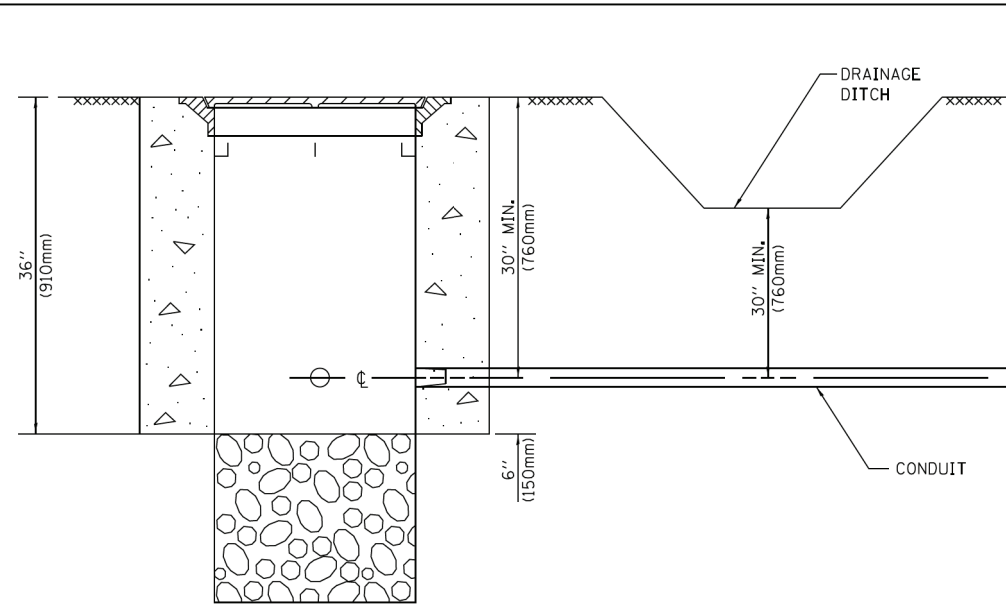
DEPTH OF FOUNDATION

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

NOTES:

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

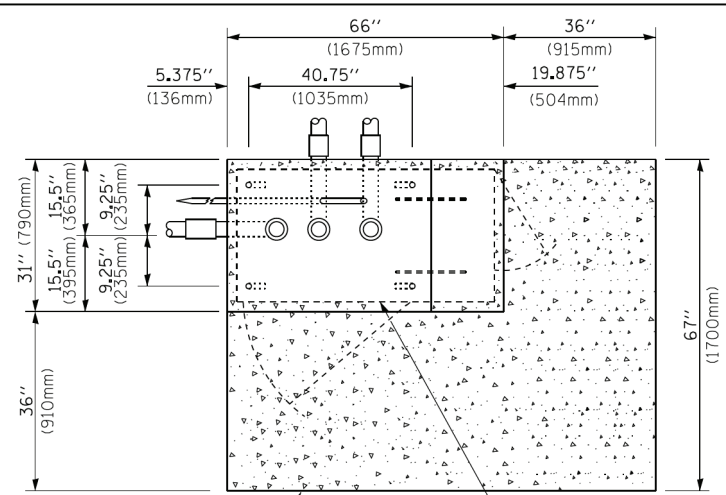
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



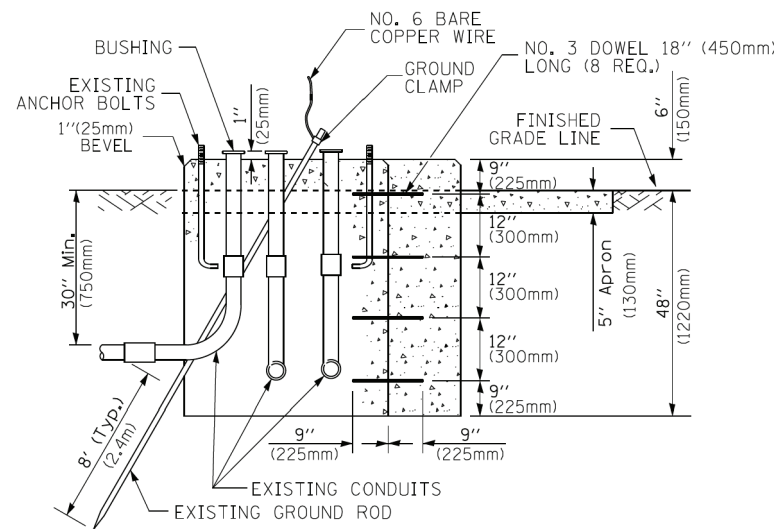
NOTES:

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

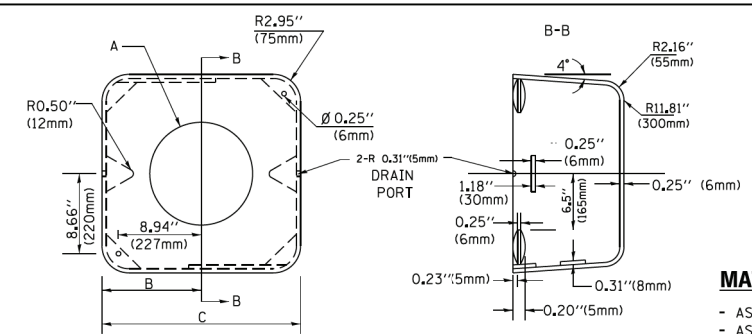
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



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



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

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

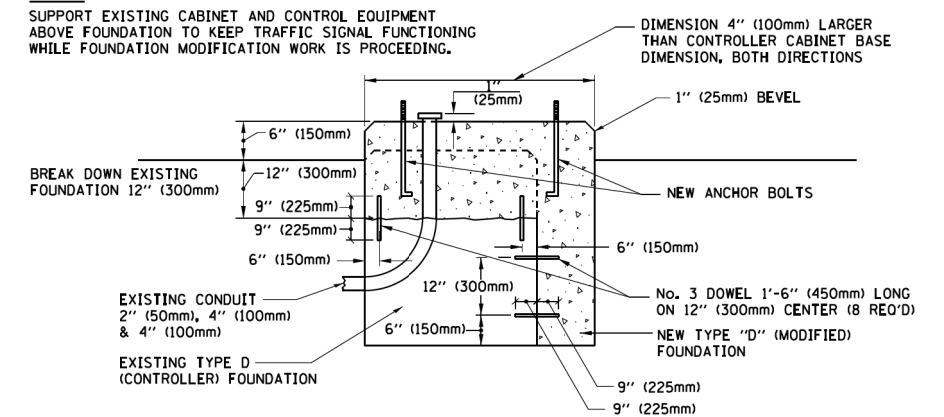
SHROUD

NOTES:

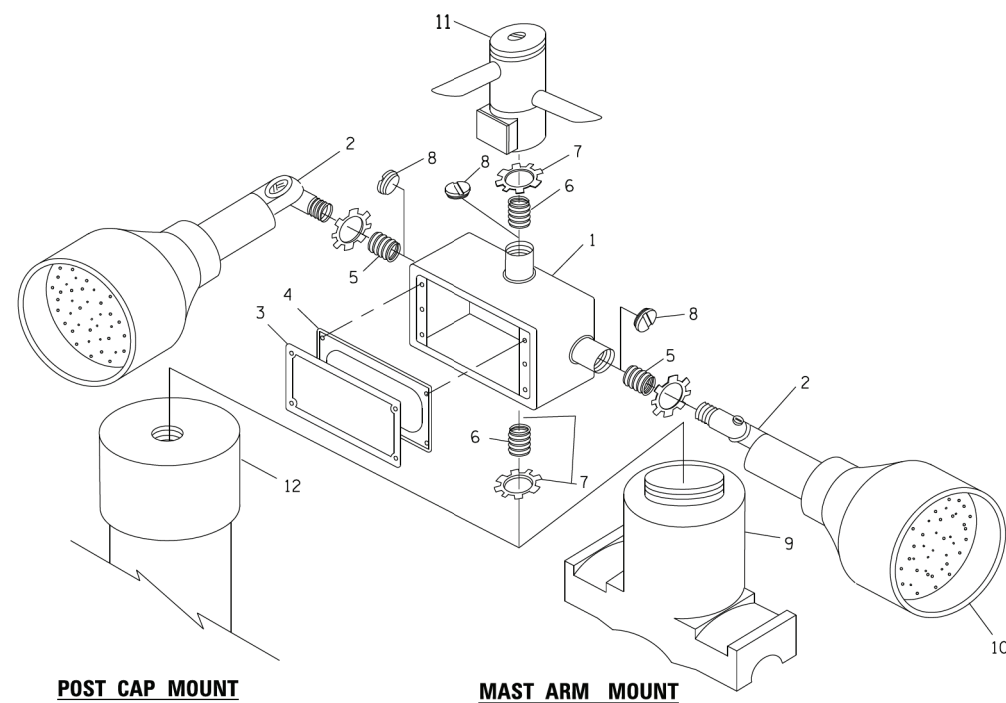
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

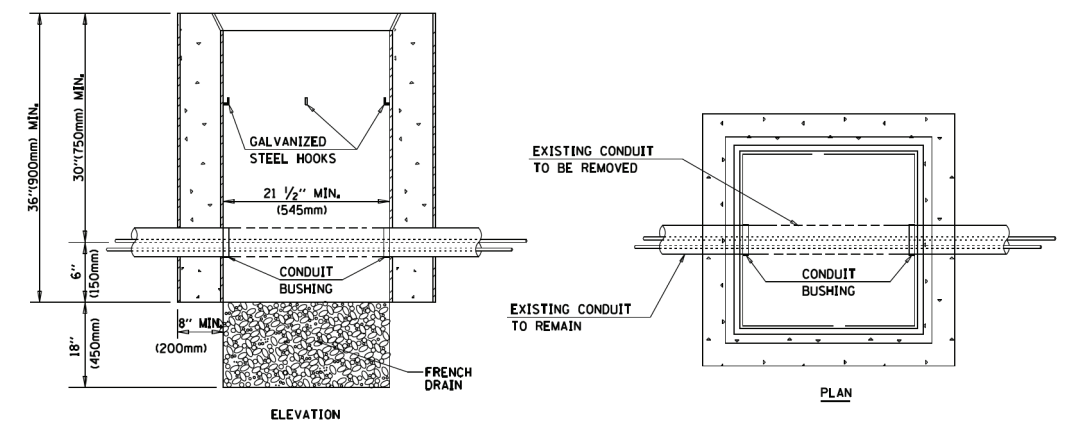
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

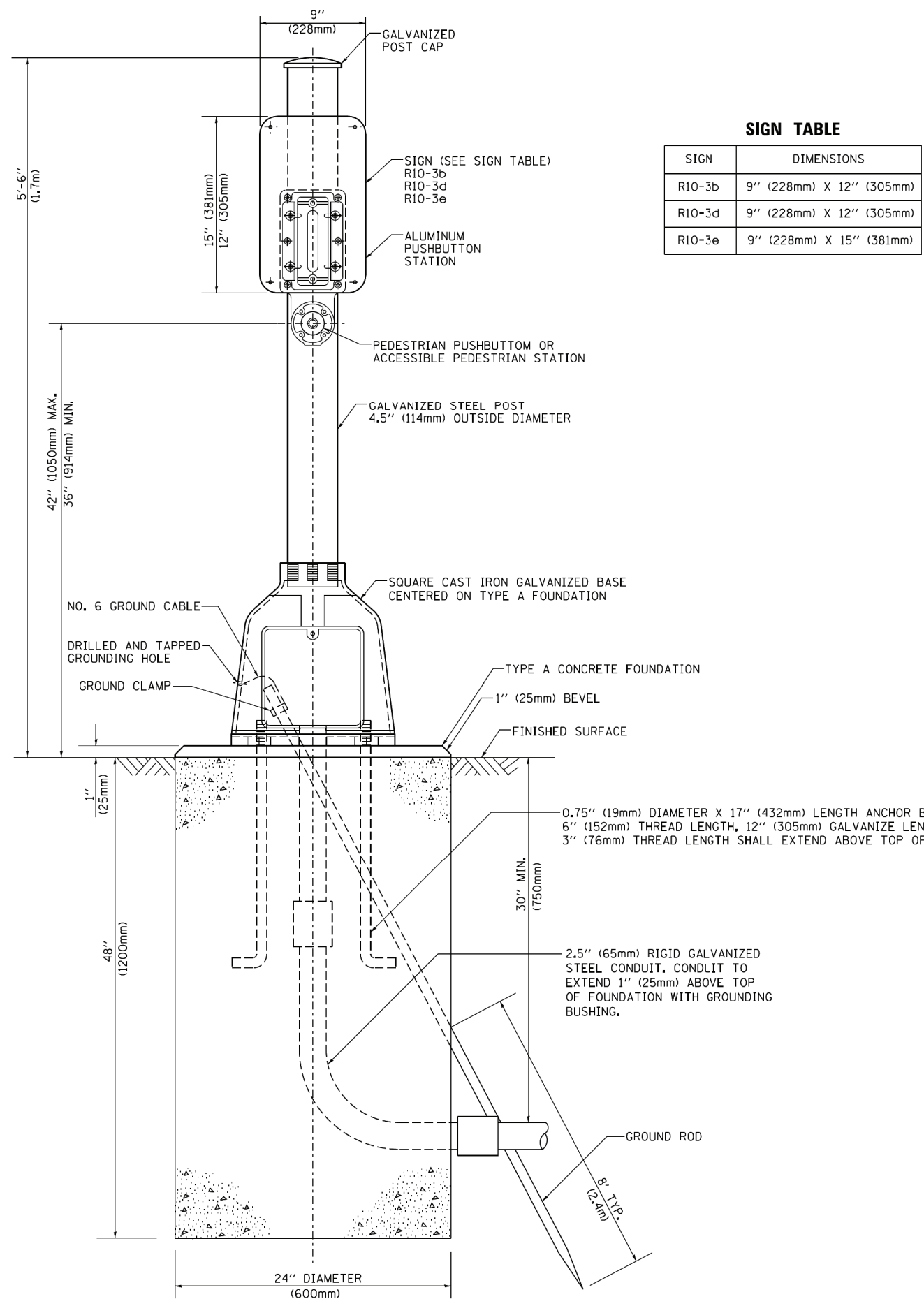
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

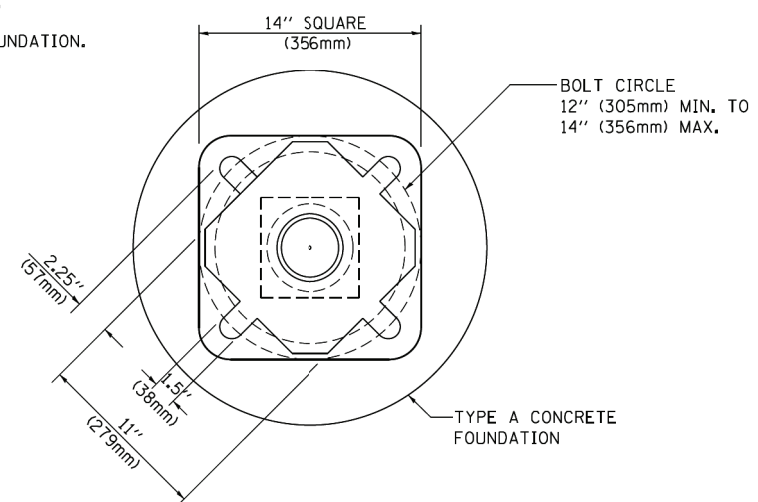
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 209
TS-05		CONTRACT NO. 60T05		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
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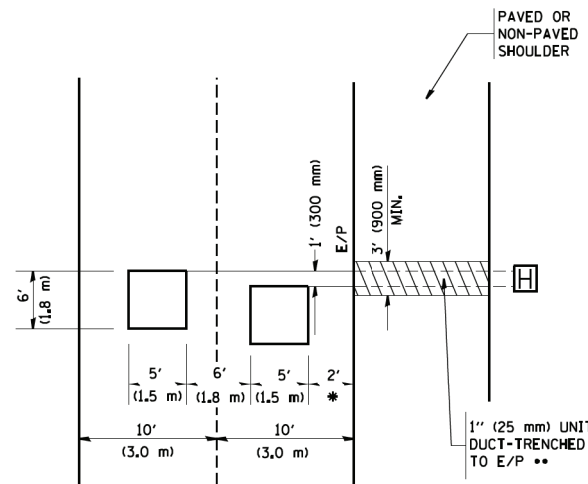
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2692	3941-R	COOK	331	210
SCALE: NONE		SHEET NO. 7 OF 7 SHEETS		STA.	TO STA.	

TS-05		CONTRACT NO. 60T05	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



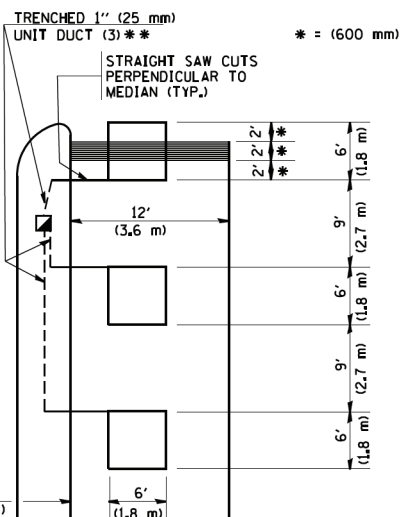
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



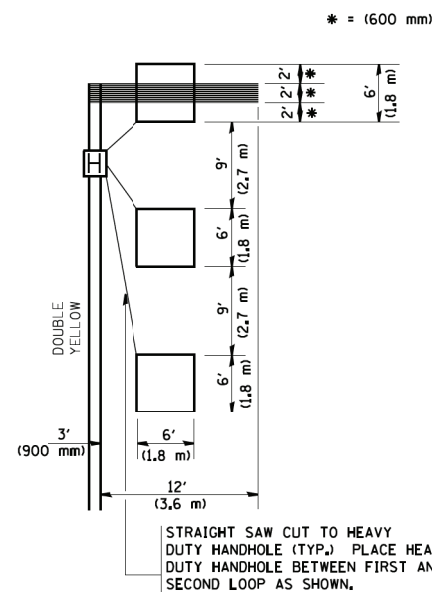
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

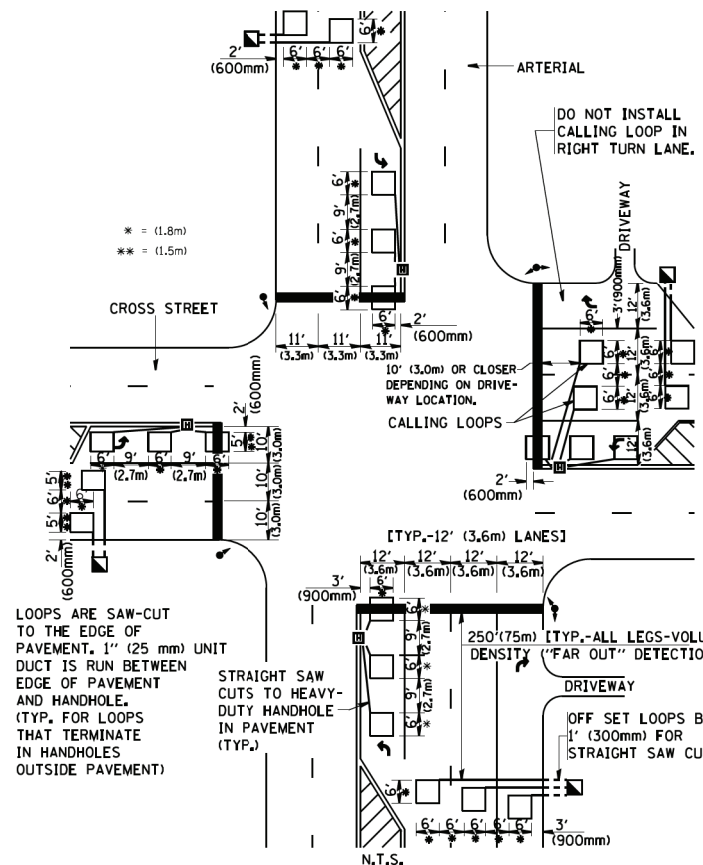
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)

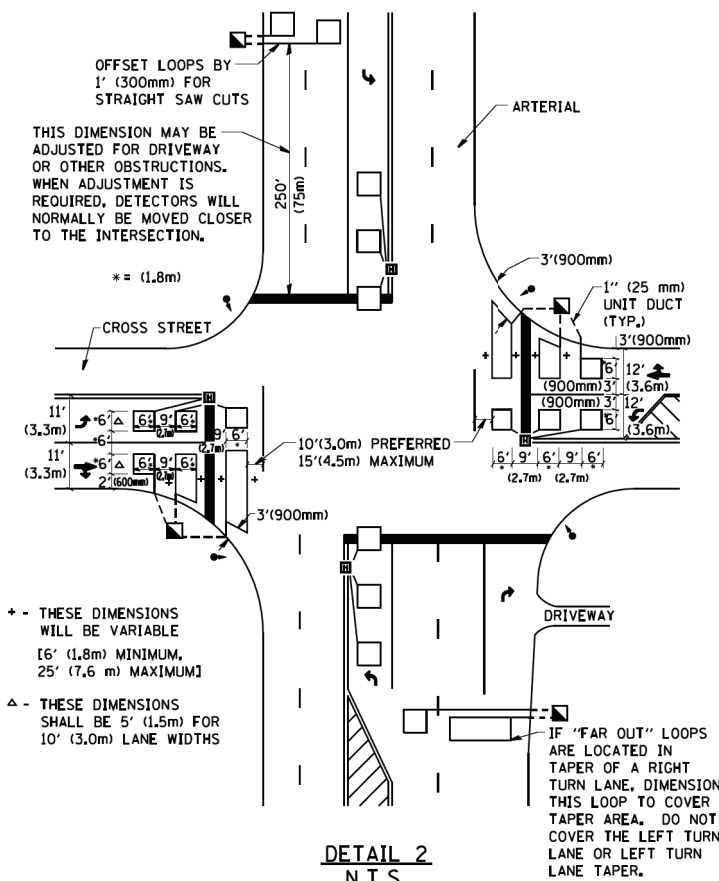


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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 PLOT DATE = 1/4/2008

DESIGNED -
 DRAWN -
 CHECKED - R.K.F.
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
 DETAILS FOR ROADWAY RESURFACING**

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

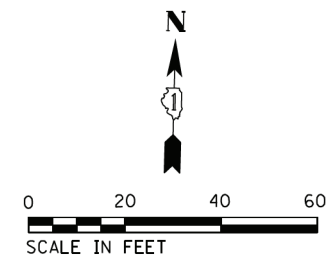
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-07		331	211
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5			8			8			11		11			14		18			18			22			22			26			26		PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE
	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3						
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◇					
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS E/B	R ←Y	R	R	R	R	R	R	G ←G	G ←Y	G ←G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇				
MAIN STREET FAR RIGHT SIGNAL E/B	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇				
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS W/B	R ←Y	G ←G	G ←Y	G ←G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
MAIN STREET FAR RIGHT SIGNAL W/B	R	G	G	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	R	G	◇			
CROSS STREET FAR RIGHT SIGNAL S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇		
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	R	G	◇			
CROSS STREET FAR RIGHT SIGNAL N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	G	R	G	R	G	R	G	◇			
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	FH	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇			
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇			
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	FH	H	H	◇				
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	FH	H	H	◇				

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

FILE NAME = ... USER NAME = drivekosgn ... DESIGNED - ... REVISIONS ...



NOTE: CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF EXISTING AERIAL LINES DURING CONSTRUCTION.

IL RTE 68 (DUNDEE RD)

WOLF RD

MATCH LINE 47+50

MATCH LINE STA 47+50

PRE-STAGE 1

IL RTE 68 (DUNDEE RD)

REMOVAL NOTES:

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

- 1 EACH SERVICE INSTALLATION
- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PUSH BUTTONS
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE VILLAGE OF WHEELING, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE'S PUBLIC WORKS YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE OF ILLINOIS, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE STOCK.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY

**TS 3200
ECON 92**

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAOD\CAOD Sheets\0160705-shr-ts-Temp Wolf at Dundee-Prestage 1.dgn
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USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = 0160705-shr-ts-Temp Wolf at Dundee-Prestage 1.dgn	CHECKED - JA	REVISED -
PLOT SCALE = 48.0000' / in.	DATE - 1/09/2020	REVISED -
PLOT DATE = 1/7/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

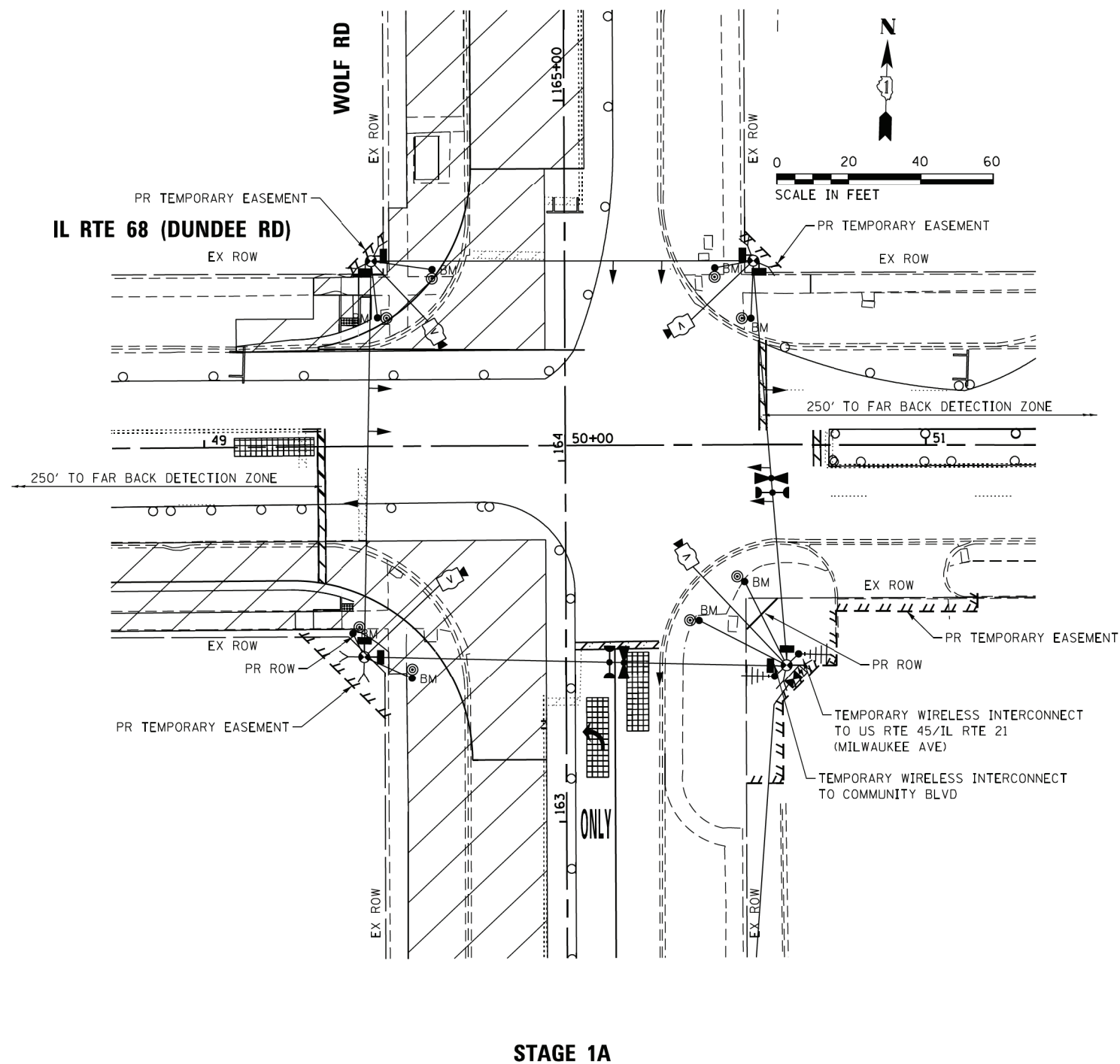
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 68 (DUNDEE RD) AND WOLF RD PRE-STAGE 1

SCALE: 1" = 20'

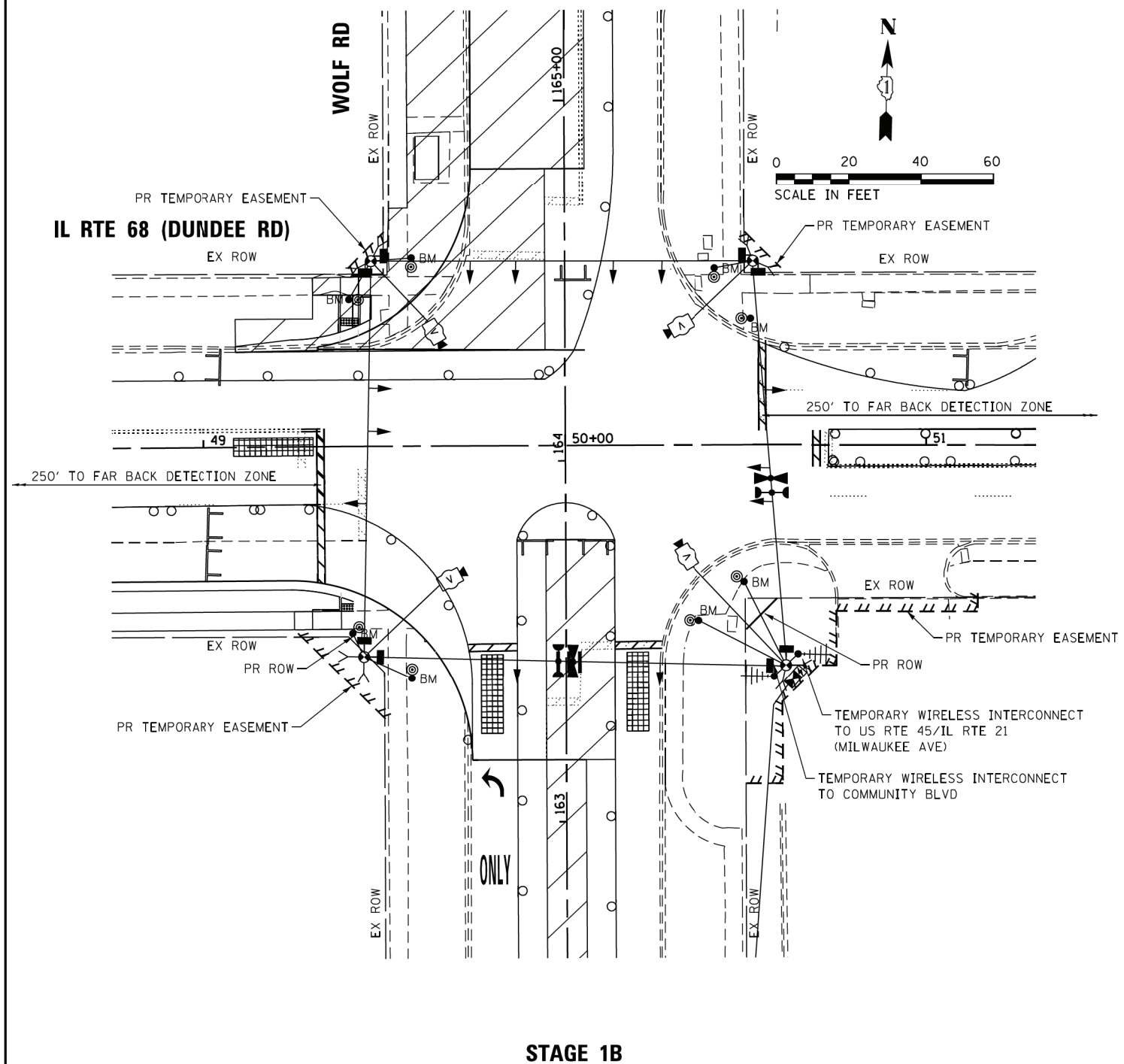
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	214
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CA00\CA00 Sheets\160705-shr-ts-Temp Wolf at Dundee-Stage 1A&1B.dgn
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STAGE 1A



STAGE 1B

**TS 3200
 ECON 92**



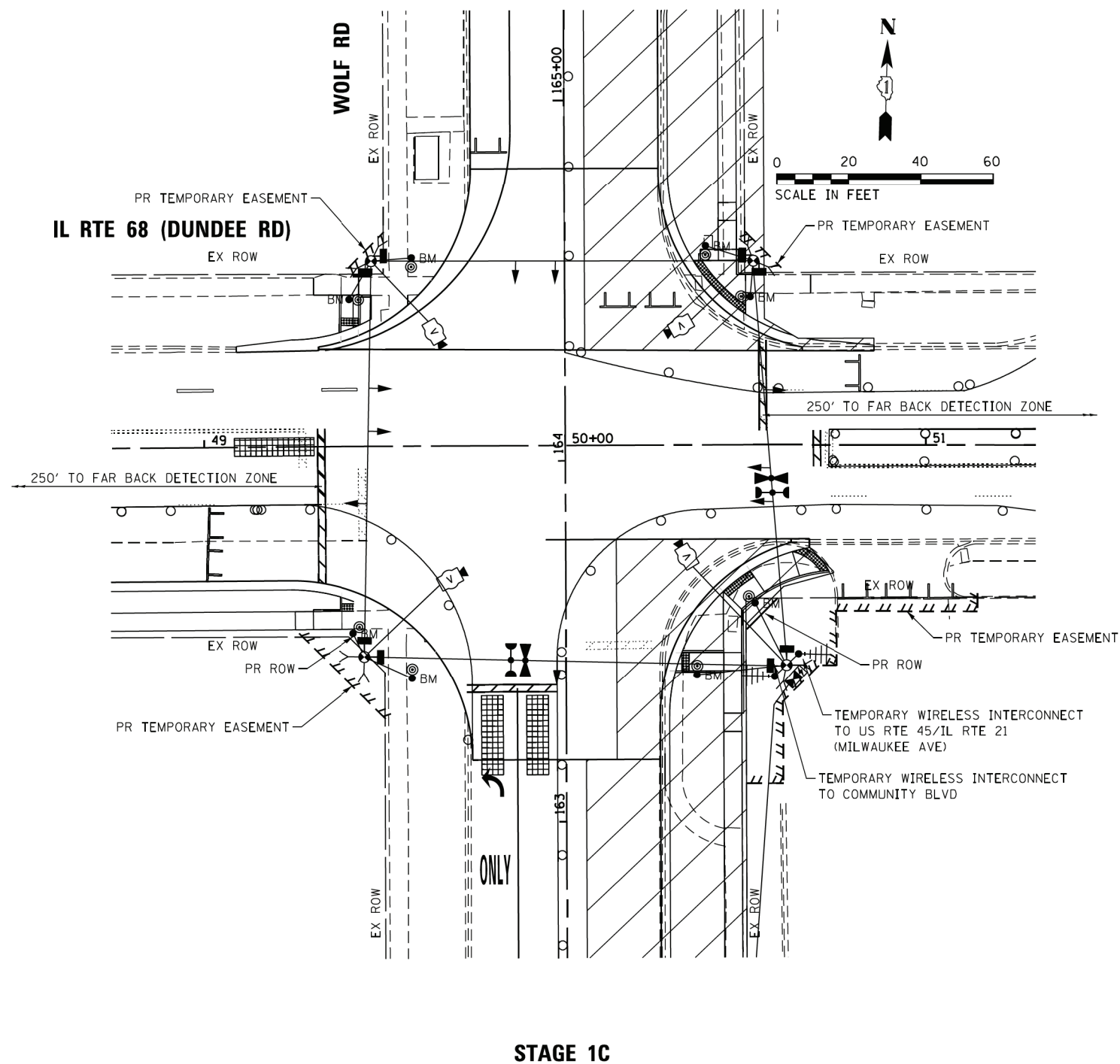
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PLOT DATE = 1/7/2020		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

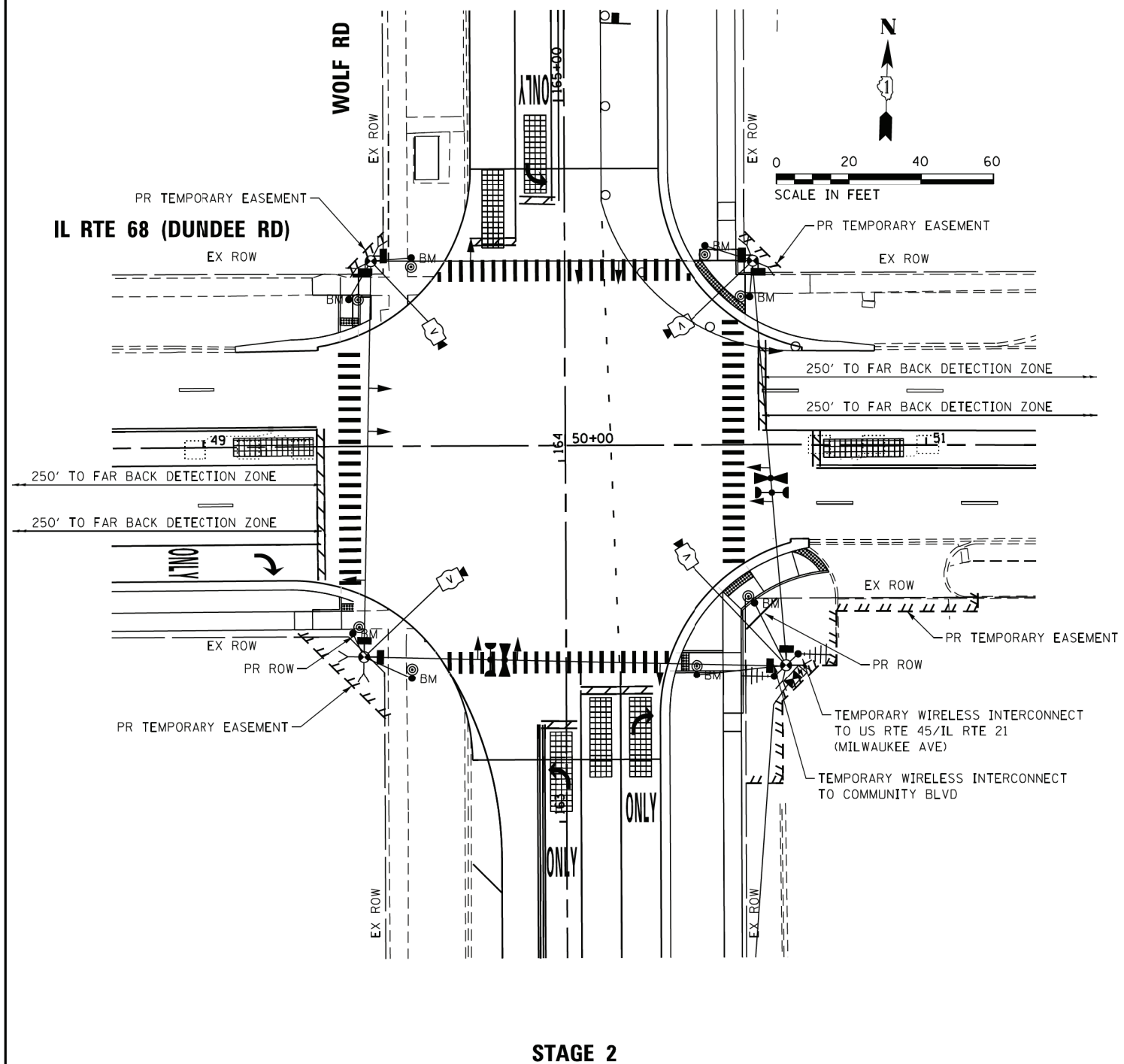
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN	
IL RTE 68 (DUNDEE RD) AND WOLF RD STAGE 1A AND STAGE 1B	
SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 215
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAOD\CAOD Sheets\1630105-shr-ts-Temp Wolf at Dundee-Stage 1C&2.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



STAGE 1C



STAGE 2

**TS 3200
ECON 92**



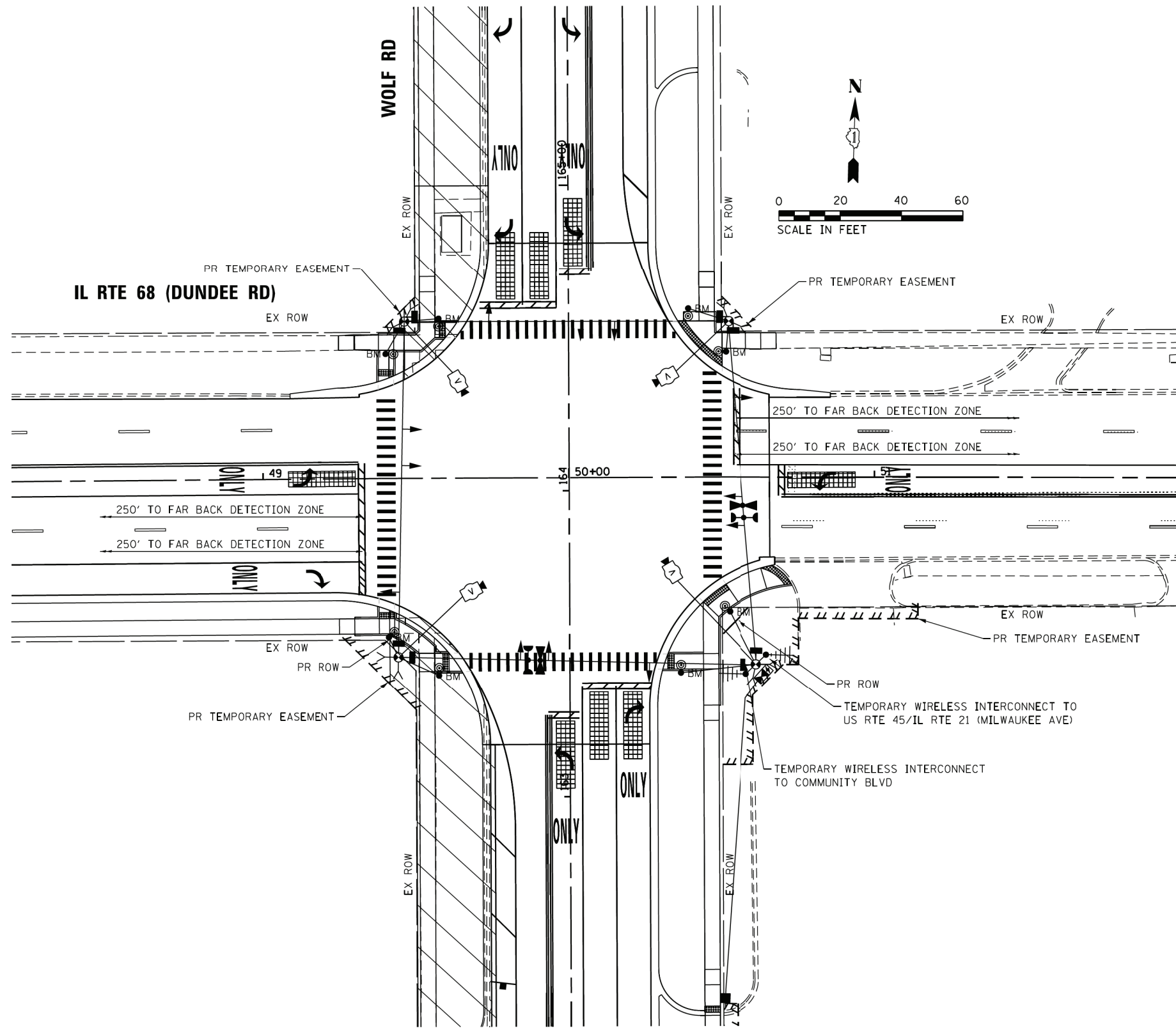
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PLOT SCALE = 48.0000' / in.	DATE - 1/9/2020	REVISED -
PLOT DATE = 1/7/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN	
IL RTE 68 (DUNDEE RD) AND WOLF RD STAGE 1C AND STAGE 2	
SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 216
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-35 B & W PTB 163-06 Ph II DI Wolf Road\CADD\Sheets\0160T05-shr-ts-Temp Wolf at Dundee-Stage 3.dgn
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STAGE 3

**TS 3200
ECON 92**



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ts-Temp Wolf at Dundee-Stage 3.dgn	CHECKED - JA	REVISED -
PLOT SCALE = 40.0000' / 1"	DATE - 1/9/2020	REVISED -
PLOT DATE = 1/7/2020		

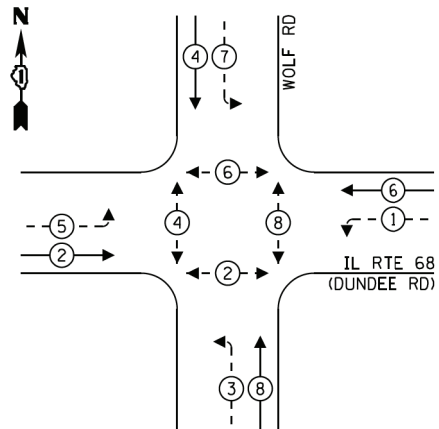
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 68 (DUNDEE RD) AND WOLF RD STAGE 3**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 217
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

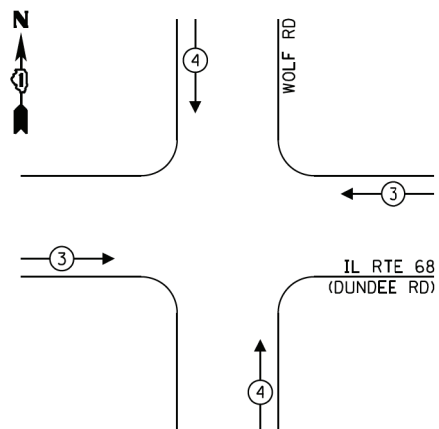
EXISTING AND PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * → OL OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				593.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: KATHY NYSTROM
PHONE: (847) 816-5489
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

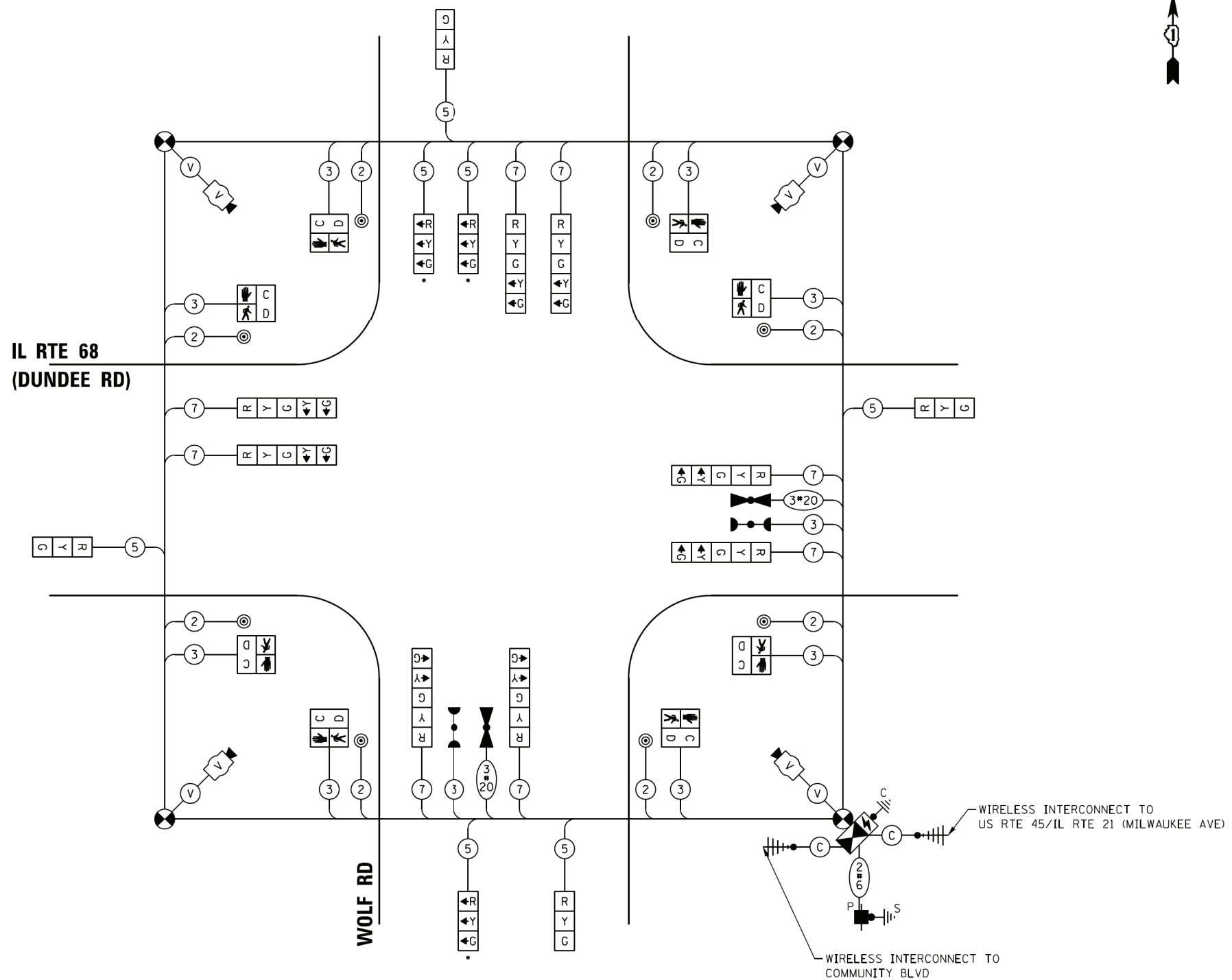
1. ALL PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED WHEN EXISTING PAVEMENT IS REMOVED.
2. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA.
3. PEDESTRIAN SIGNAL HEADS AT THIS LOCATION SHALL BE DETERMINED BY THE RESIDENT ENGINEER ON LOCATION.

- BAG COMPLETE SIGNAL HEAD DURING PRE-STAGE 1, STAGE 2, AND STAGE 3 AND ADJUST TEMPORARY SIGNAL PROGRAMMING

PRE-STAGE 1, STAGE 2, AND STAGE 3

CABLE PLAN

(NOT TO SCALE)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 68 (DUNDEE RD) AND WOLF RD – PRE-STAGE 1, STAGE 2, & STAGE 3

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	218
CONTRACT NO. 60T05				

TS 3200
ECON 92

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160T05-shr-ta-Temp Cable Wolf at Dundee.dgn
MODEL = Default
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PLOT DATE = 1/7/2020

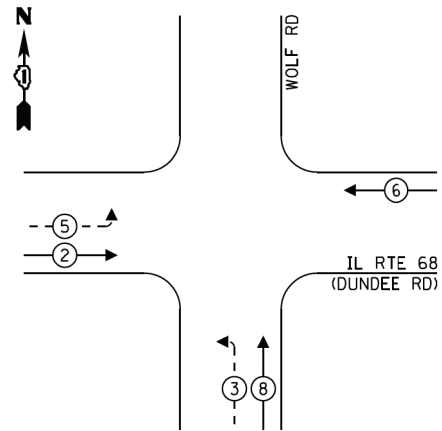
DESIGNED - NLS
REVISOR - NLS
CHECKED - JA
DATE - 1/9/2020

REVISED -
REVISED -
REVISED -
REVISED -

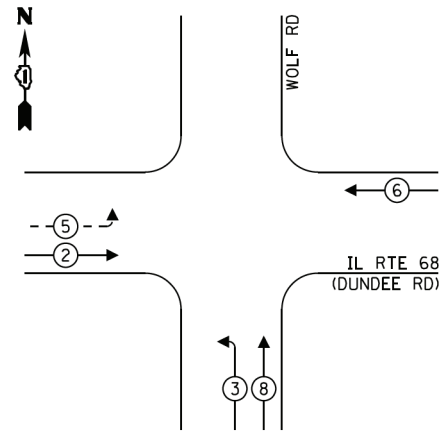
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ILLINOIS FED. AID PROJECT

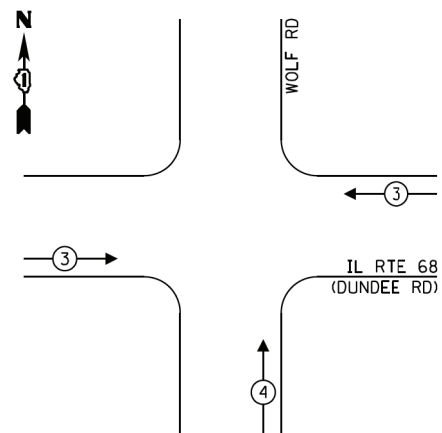
**PROPOSED CONTROLLER SEQUENCE
STAGES 1A & 1C**



**PROPOSED CONTROLLER SEQUENCE
STAGE 1B**



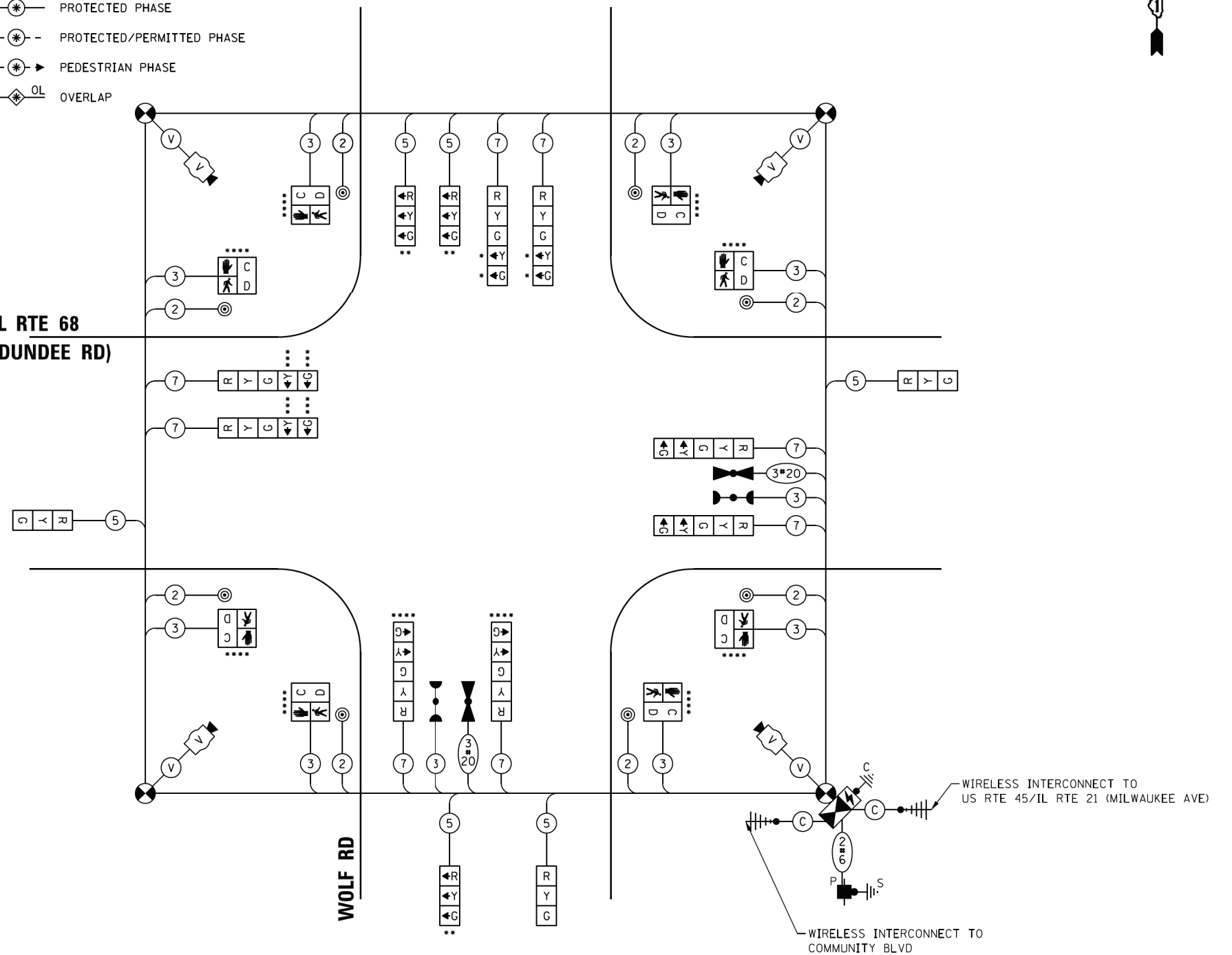
**PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ⊙ OL OVERLAP

**IL RTE 68
(DUNDEE RD)**



- BAG THESE SECTIONS DURING STAGE 1B AND ADJUST TEMPORARY SIGNAL PROGRAMMING
- BAG COMPLETE SIGNAL HEAD DURING STAGES 1A AND 1C AND ADJUST TEMPORARY SIGNAL PROGRAMMING
- BAG THESE SECTIONS DURING STAGES 1A, 1B, AND 1C AND ADJUST TEMPORARY SIGNAL PROGRAMMING
- BAG COMPLETE SIGNAL HEAD DURING STAGES 1A, 1B, AND 1C AND ADJUST TEMPORARY SIGNAL PROGRAMMING

STAGE 1A, STAGE 1B, STAGE 1C

CABLE PLAN

(NOT TO SCALE)

CONSTRUCTION NOTES:

1. ALL PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED WHEN EXISTING PAVEMENT IS REMOVED.
2. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA.
3. PEDESTRIAN SIGNAL HEADS AT THIS LOCATION SHALL BE DETERMINED BY THE RESIDENT ENGINEER ON LOCATION.

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	14	10	10	14.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				591.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: KATHY NYSTROM
PHONE: (847) 816-5489
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



USER NAME = smaxwell
FILE NAME = D:\60105-shr-ta-Temp Cable Wolf Rd\DRAWN\dee_02.dgn NLS
PLOT SCALE = 48.0000' / in.
PLOT DATE = 1/7/2020

DESIGNED - NLS
REVISOR -
CHECKED - JA
DATE - 1/9/2020

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

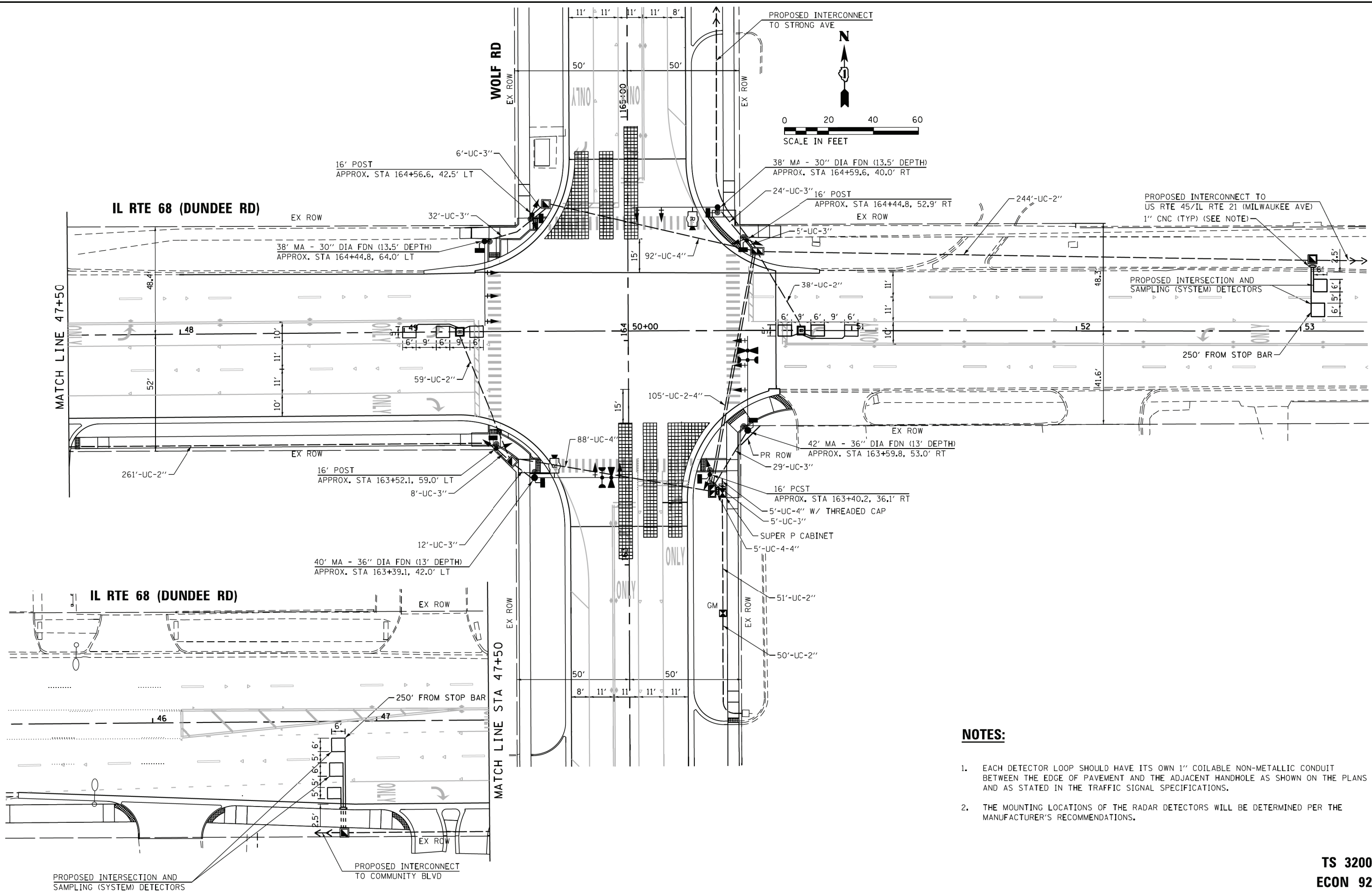
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 68 (DUNDEE RD) AND WOLF RD - STAGE 1A, STAGE 1B, & STAGE 1C
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	219
CONTRACT NO. 60T05				

TS 3200
ECON 92

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160105-shr-ta-Temp Cable Wolf at Dundee_02.dgn
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 MODEL DRIVER = I:\01_PDF.plt



NOTES:

1. EACH DETECTOR LOOP SHOULD HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

**TS 3200
ECON 92**



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\0160705-shr-ts-Wolf at Dundee	DRAWN - NLS	REVISED -
PLOT SCALE = 48.0000 ft / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

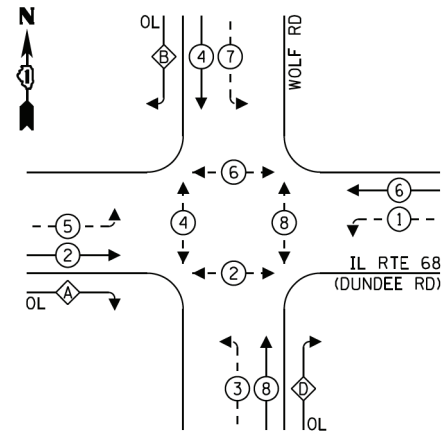
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 68 (DUNDEE RD) AND WOLF RD**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	220
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



LEGEND:

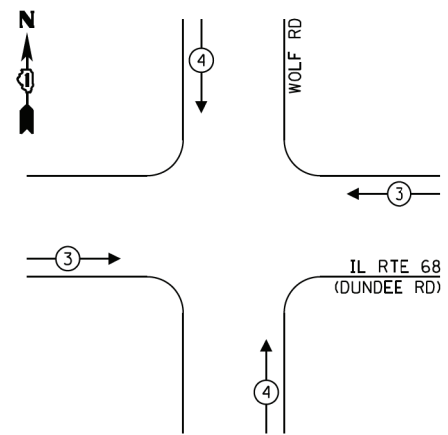
- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
D	= 8 +	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



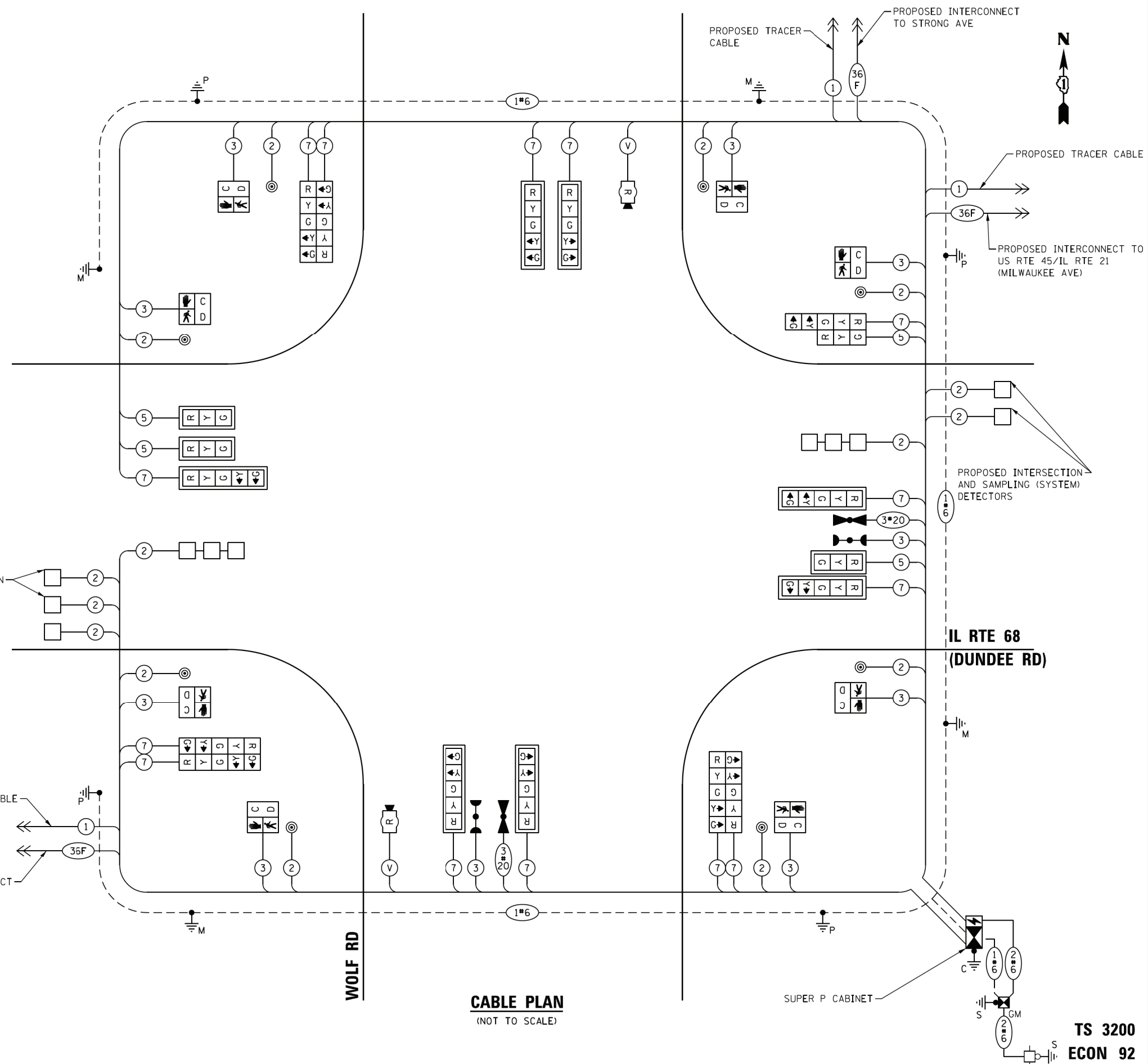
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
RADAR SYSTEM	1	50	100	50.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				577.2

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

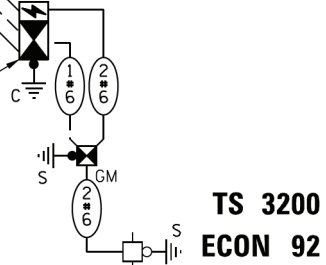
ENERGY SUPPLY: CONTACT: KATHY NYSTROM
PHONE: (847) 816-5489
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

IL RTE 68 (DUNDEE RD)

WOLF RD



TS 3200
ECON 92

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-sh-ta-Cable Wolf et Dundee.dgn
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DESIGNED - NLS	REVISED -
DRAWN - NLS	REVISED -
CHECKED - JA	REVISED -
DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

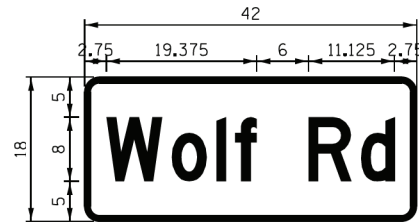
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 68 (DUNDEE RD) AND WOLF RD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	221
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

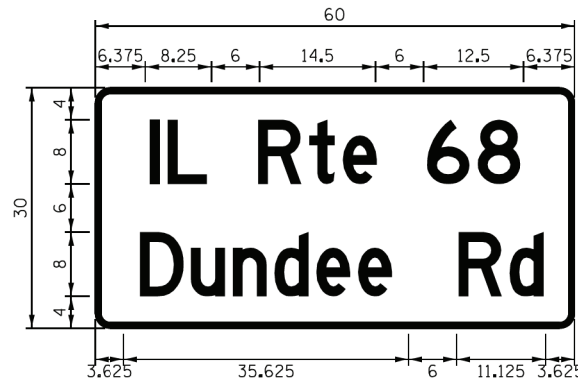
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	5.25	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	12.5	2	ZZ	2

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

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	10.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	703
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	121
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	415
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1249
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1611
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	907
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2440
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2305
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	134
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	680
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	361
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	13
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	306
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF WHEELING

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAAD\CAAD Sheets\0160T05-shr-ta-Signs and Schedule-Wolf at Dundee.dgn
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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 68 (DUNDEE RD) AND WOLF RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	222
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

TS 3200
ECON 92

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAOD\CAOD Sheets\0160T05-shr-ta-Temp Wolf at Strong-Prestage 1.dgn
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 PLOT DRIVER = IDDT_PDF.plt



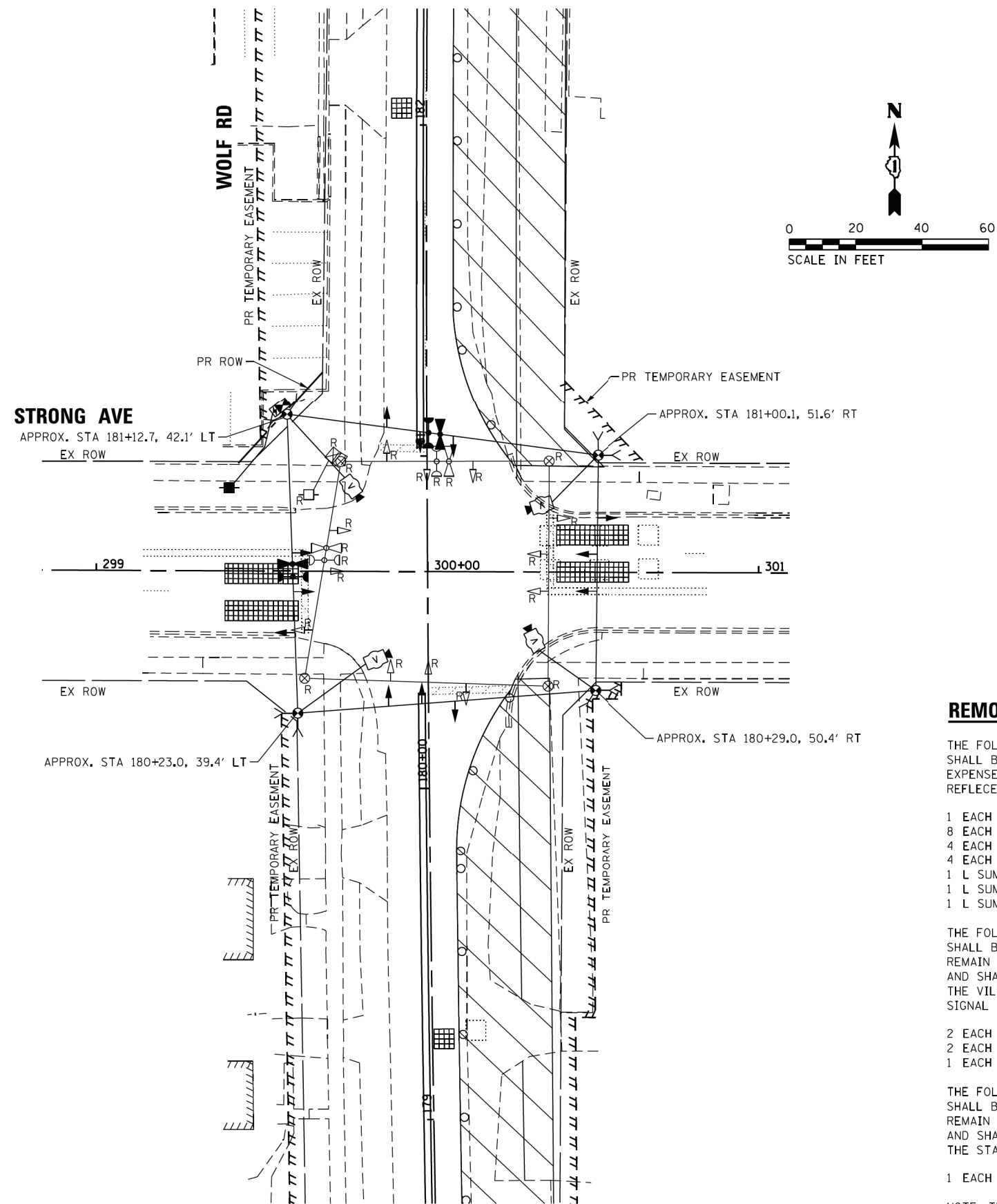
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FILE NAME = 0160T05-shr-ta-Temp Wolf at Strong-Prestage 1.dgn	CHECKED - JA	REVISED -
PLOT SCALE = 48.0000' / in.	DATE - 1/9/2020	REVISED -
PLOT DATE = 1/7/2020		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
 WOLF RD AND STRONG AVE PRE-STAGE 1

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	223
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				



PRE-STAGE 1

REMOVAL NOTES:

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

- 1 EACH SERVICE INSTALLATION
- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 4 EACH WOOD POLE AND GUY WIRES
- 1 L SUM SPAN WIRE
- 1 L SUM TETHER WIRE
- 1 L SUM ELECTRIC CABLE AERIAL SUSPENDED

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE VILLAGE OF WHEELING, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE'S PUBLIC WORKS YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE OF ILLINOIS, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE STOCK.

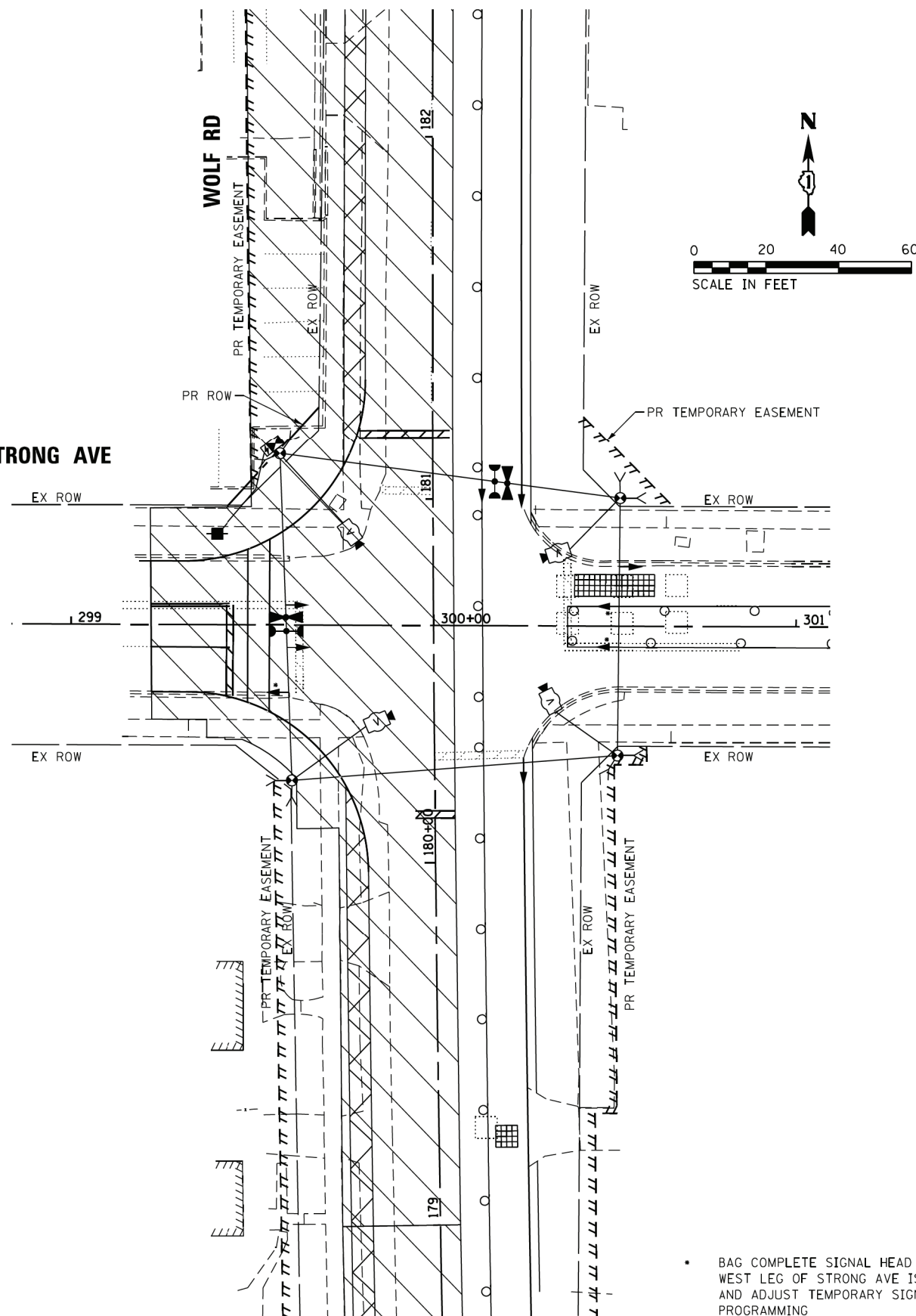
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

NOTE: THE EXISTING CONDUITS, LOOP DETECTORS, AND MAGNETIC DETECTORS SHALL BE ABANDONED.

TS 3202
 ECON 92

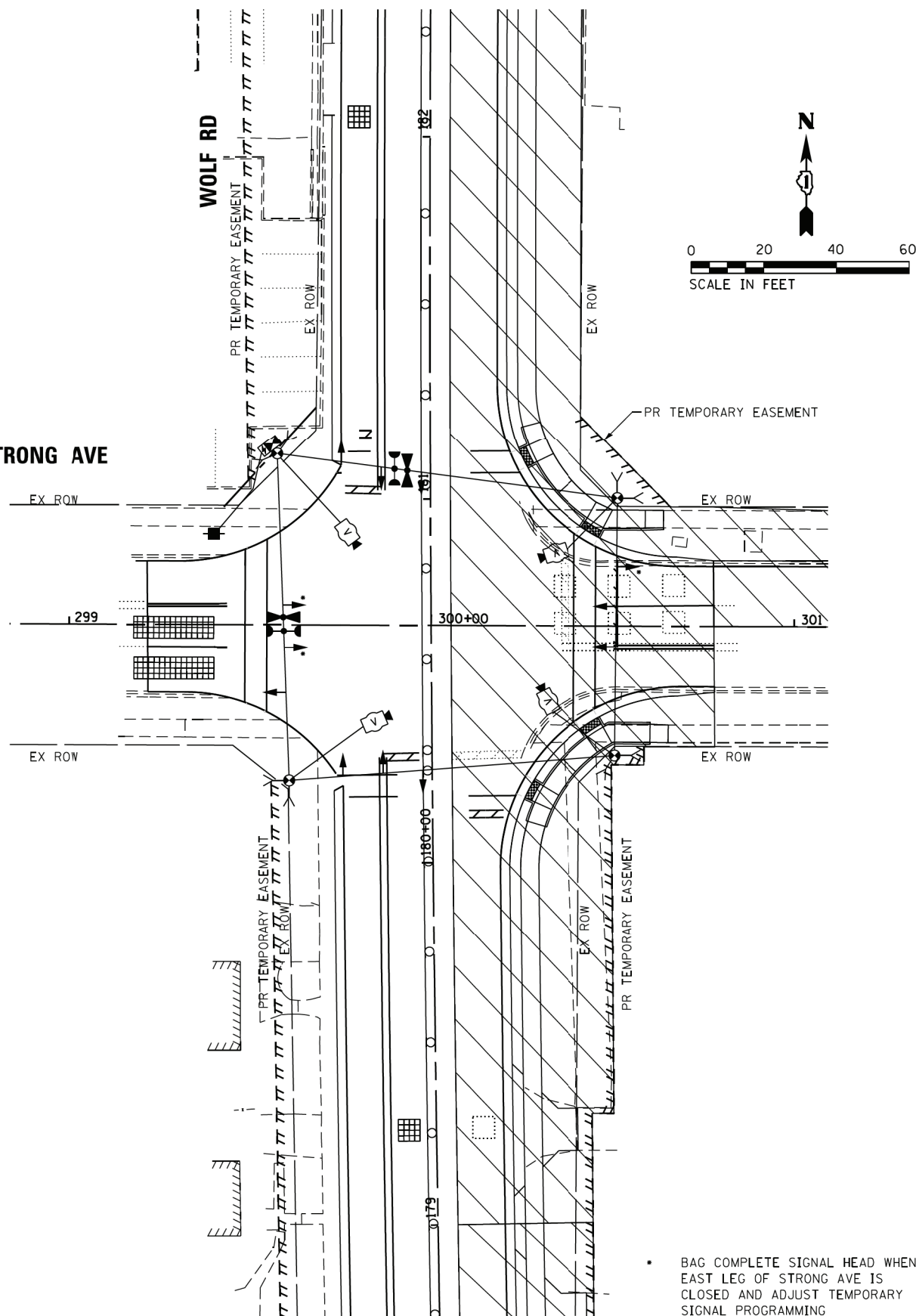
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STRONG AVE



STAGE 1

STRONG AVE



STAGE 2

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
WOLF RD AND STRONG AVE STAGE 1 & STAGE 2**

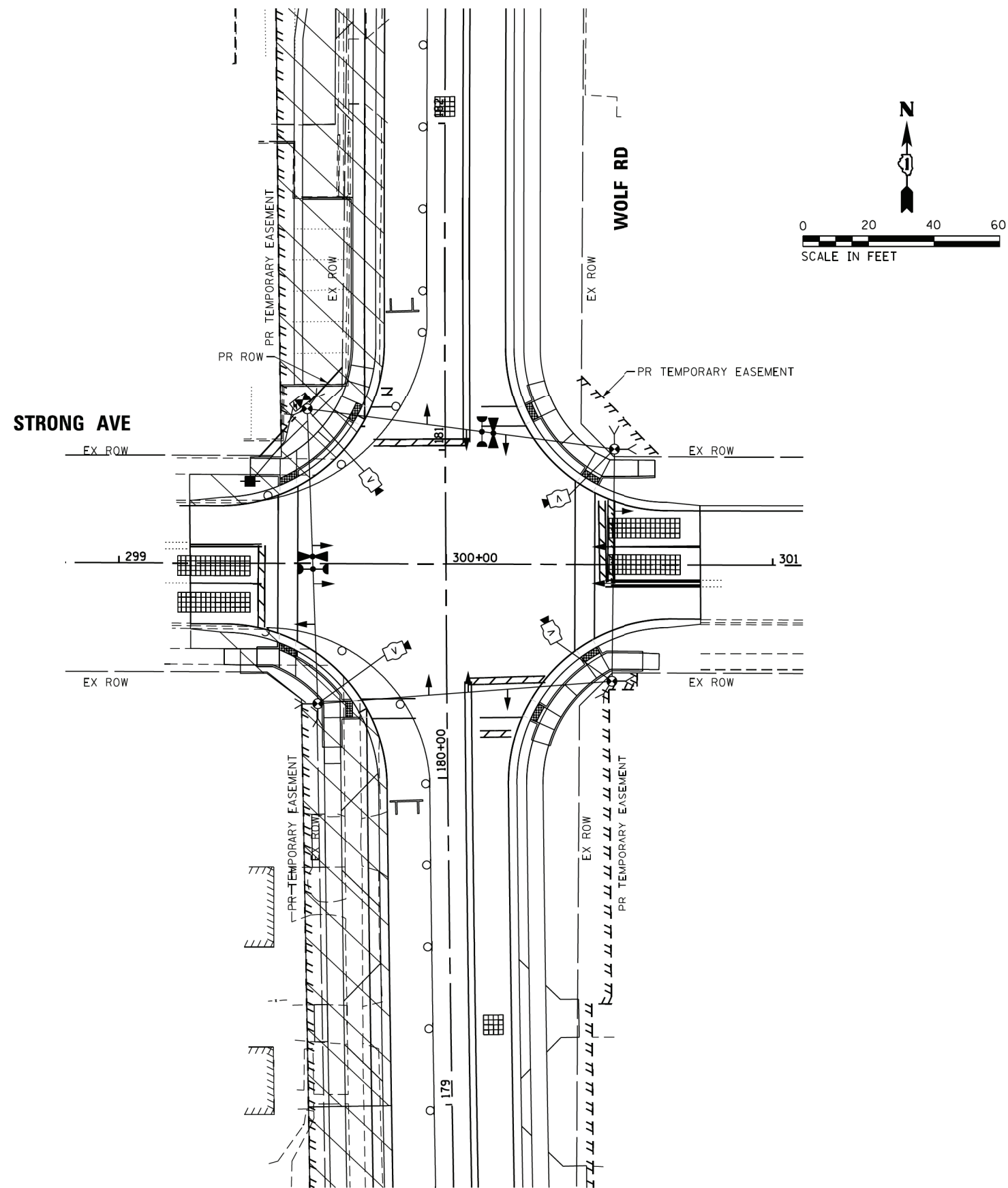
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	224
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

**TS 3202
ECON 92**



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = 0160T05-sh1-ta-Temp Wolf at Strong-Stage 1&2.dgn	DRAWN - NLS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -



STAGE 3

**TS 3202
ECON 92**

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 MODEL = Default
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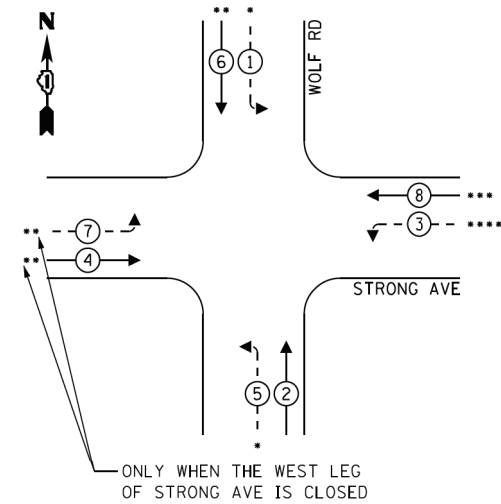
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
WOLF RD AND STRONG AVE STAGE 3**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	225
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE

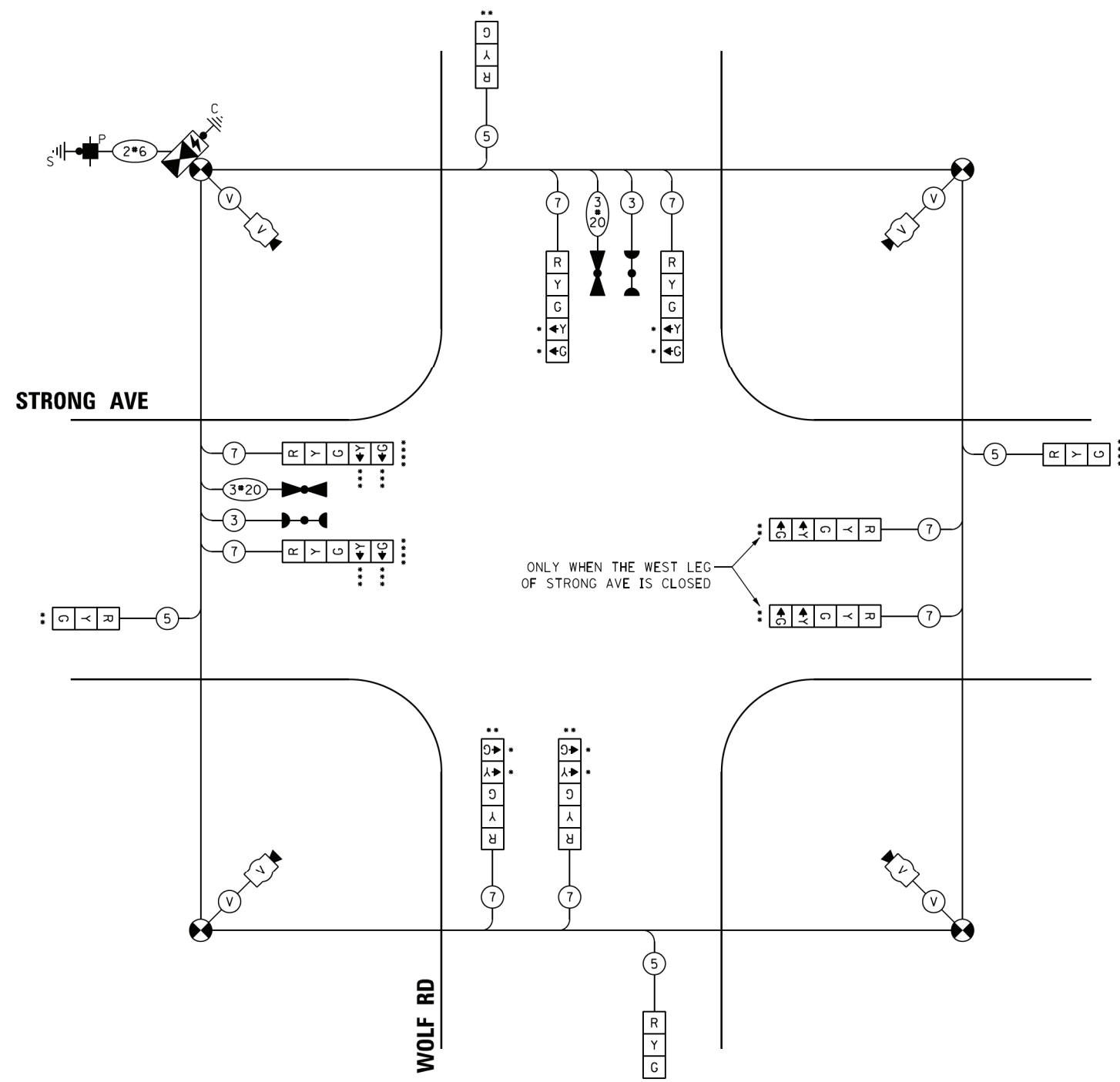
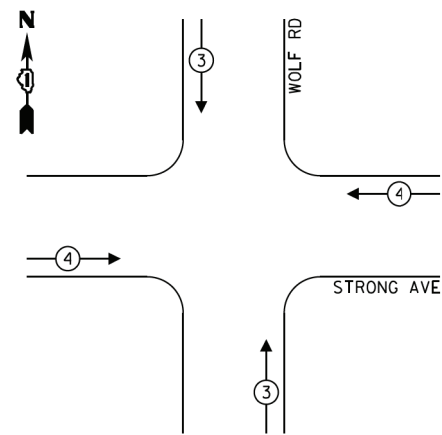


LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←OL→ OVERLAP

- * DEACTIVATE PHASE DURING PRESTAGE 1, STAGE 1, STAGE 2, AND STAGE 3
- ** DEACTIVATE PHASE DURING STAGE 1
- *** DEACTIVATE PHASE DURING STAGE 2 WHEN THE WEST LEG OF STRONG AVE IS CLOSED
- **** DEACTIVATE PHASE DURING STAGE 1 AND STAGE 2 WHEN THE WEST LEG OF STRONG AVE IS CLOSED

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



- * BAG THESE SECTIONS DURING PRESTAGE 1, STAGE 1, STAGE 2, AND STAGE 3 AND ADJUST TEMPORARY SIGNAL PROGRAMMING
- ** BAG COMPLETE SIGNAL HEAD DURING STAGE 1 AND ADJUST TEMPORARY SIGNAL PROGRAMMING
- *** BAG THESE SECTIONS DURING STAGE 1 AND ADJUST TEMPORARY SIGNAL PROGRAMMING
- **** BAG COMPLETE SIGNAL HEAD DURING STAGE 2 WHEN THE EAST LEG OF STRONG AVE IS CLOSED AND ADJUST TEMPORARY SIGNAL PROGRAMMING

CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				433.8

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: KATHY NYSTROM
PHONE: (847) 816-5489
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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MODEL = Default
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CHECKED - JA	REVISED -
DATE - 1/9/2020	REVISED -

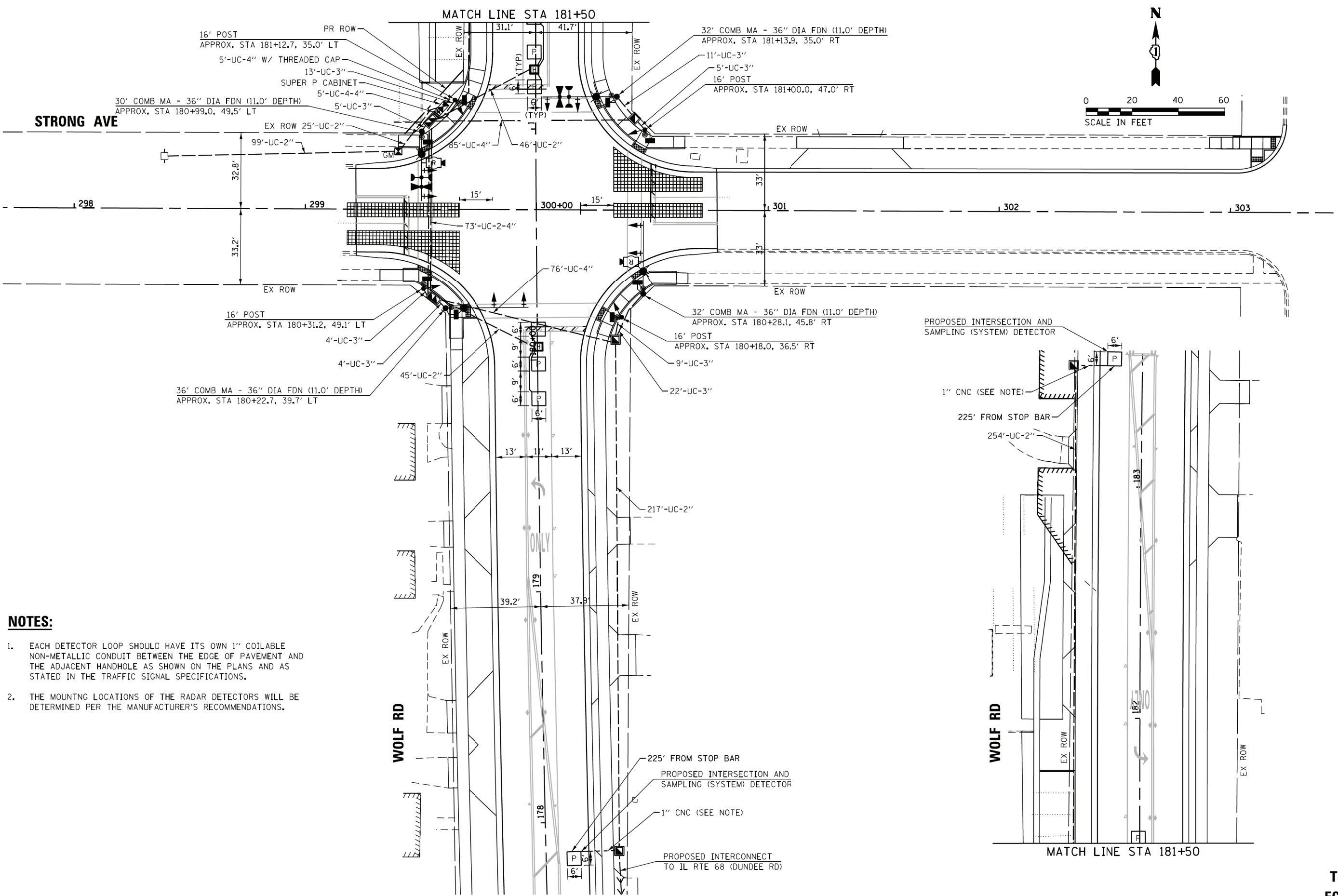
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE WOLF RD AND STRONG AVE - PRE-STAGE 1, STAGES 1, 2, & 3
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	226
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

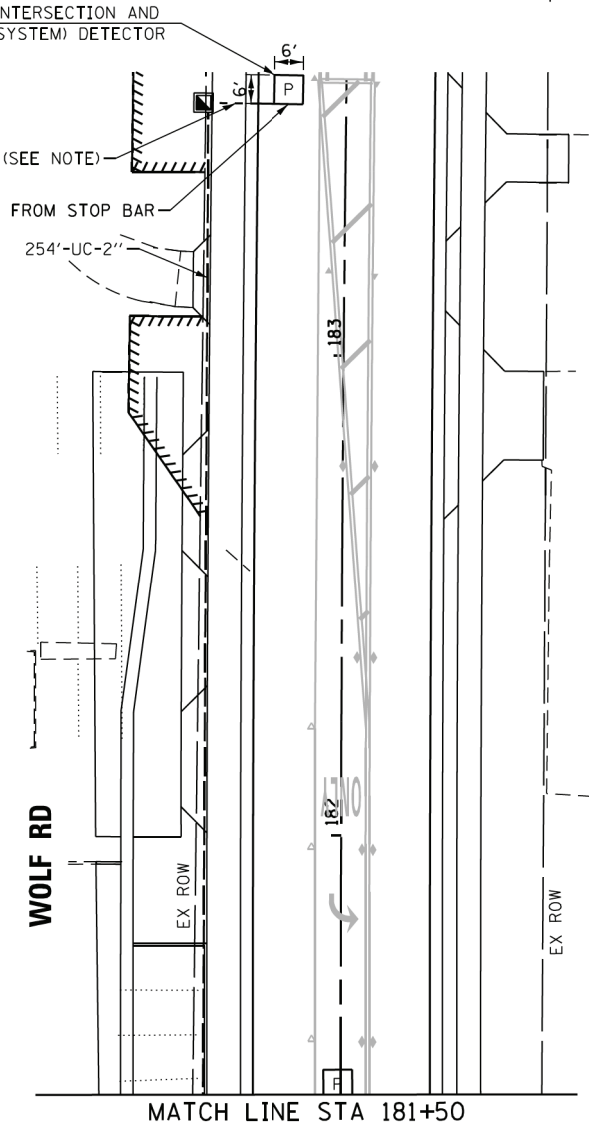
**TS 3202
ECON 92**

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NOTES:

1. EACH DETECTOR LOOP SHOULD HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



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PLOT SCALE = 40.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

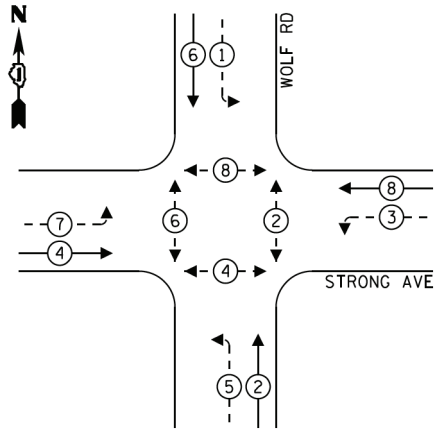
**TRAFFIC SIGNAL MODERNIZATION PLAN
WOLF RD AND STRONG AVE**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

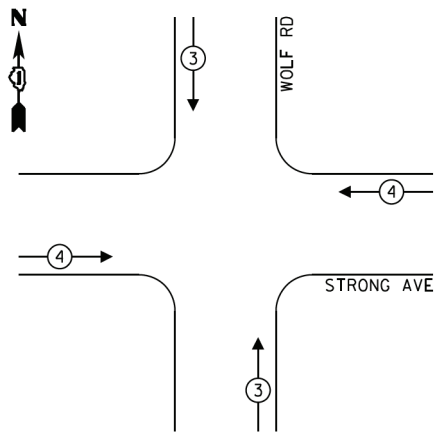
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2692	3941-R	COOK	331	227
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

**TS 3202
ECON 92**

PROPOSED CONTROLLER SEQUENCE

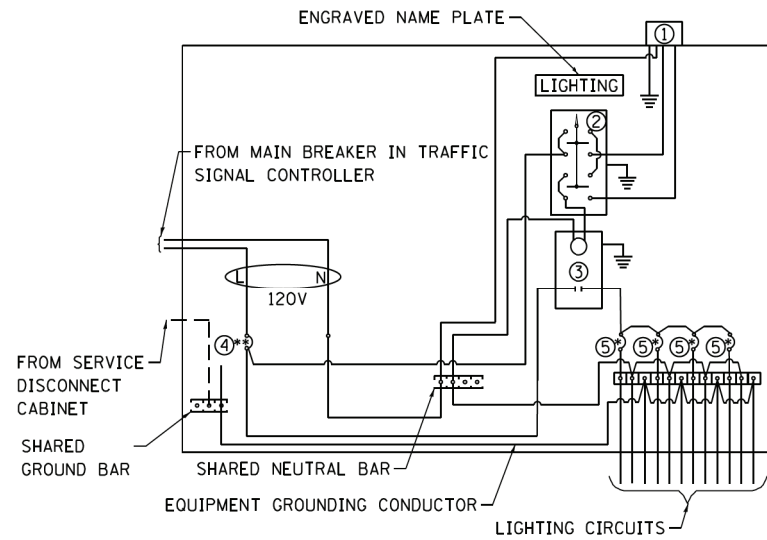


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP



COMBINATION LIGHTING CONTROLLER WIRING DIAGRAM

COMBINATION LIGHTING CONTROLLER GENERAL NOTES:

- ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- THE CIRCUIT BREAKER SHALL BE CLEARLY LABELED FOR LIGHTING ACCORDING TO ARTICLE 1068.01(F) OF THE STANDARD SPECIFICATIONS.
- INSTALL UNDER EAVE PHOTOCELL ON TRAFFIC SIGNAL CONTROLLER CABINET PER ARTICLE 1068.01(E)(2) OF THE STANDARD SPECIFICATIONS.
- ALL LIGHTING EQUIPMENT SHALL BE INSTALLED ON A SIDE MOUNTED INSULATED SUBPANEL PER ARTICLE 1068.01(E)(9) OF THE STANDARD SPECIFICATIONS ON THE LOWER RIGHT HAND SIDE OF THE TRAFFIC SIGNAL CONTROLLER OR AS DIRECTED BY THE ENGINEER.
- PROVIDE AN ENGRAVED STAINLESS STEEL NAMEPLATE ON THE SUB PANEL READING "LIGHTING".

COMBINATION LIGHTING CONTROLLER LEGEND:

- ⊕ GROUND CONNECTED TO SHARED GROUND BAR
- INDICATES SHARED WITH TRAFFIC SIGNAL CONTROLLER EQUIPMENT
- ① PHOTOCELL WITH INTEGRAL SURGE ARRESTER
- ② HAND-OFF-AUTO SELECTOR SWITCH
- ③ 30 AMP, 1 POLE ELECTRICALLY HELD CONTACTOR
- ④ 30 AMP, 1 POLE, CIRCUIT BREAKER
- ⑤ 15 AMP, 1 POLE, BRANCH BREAKER
- * QUANTITY OF BRANCH BREAKERS SHALL DEPEND ON THE COMBINATION LIGHTING CIRCUIT DIAGRAM OR AS DIRECTED BY THE ENGINEER.
- ** SIZE LARGER AS NEEDED.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
RADAR SYSTEM	1	50	100	50.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				493.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: KATHY NYSTROM
PHONE: (847) 816-5489
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



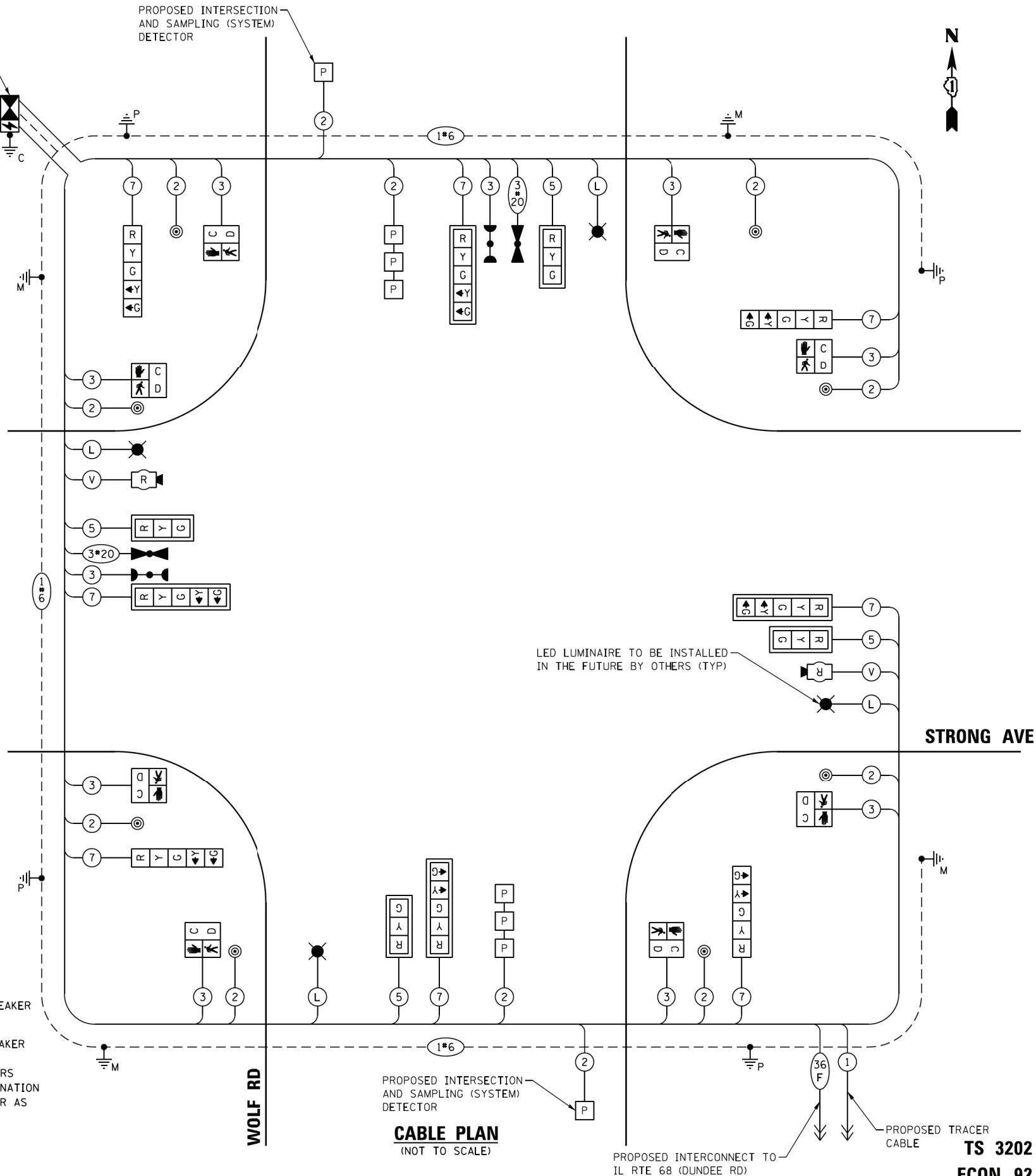
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PLOT DATE = 1/7/2020

DESIGNED - NLS	REVISED -
DRAWN - NLS	REVISED -
CHECKED - JA	REVISED -
DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE WOLF RD AND STRONG AVE

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



LED LUMINAIRE TO BE INSTALLED IN THE FUTURE BY OTHERS (TYP)

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR

CABLE PLAN (NOT TO SCALE)

PROPOSED INTERCONNECT TO IL RTE 68 (DUNDEE RD)

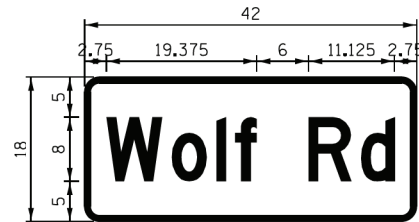
TS 3202 ECON 92

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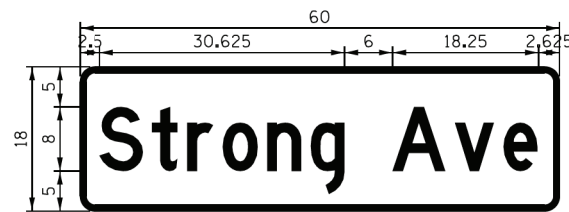
F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 228
CONTRACT NO. 60T05				ILLINOIS FED. AID PROJECT

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	5.25	1	ZZ	2



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

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

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	25.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	686
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	73
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	332
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
* ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	401
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1035
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1347
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	669
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1257
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	933
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	157
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	555
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	44
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
PREFORMED DETECTOR LOOP	FOOT	252
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	256
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
* COMBINATION LIGHTING CONTROLLER	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF WHEELING

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160T05-sht-ta-Signs and Schedule-Wolf at Strong.dgn
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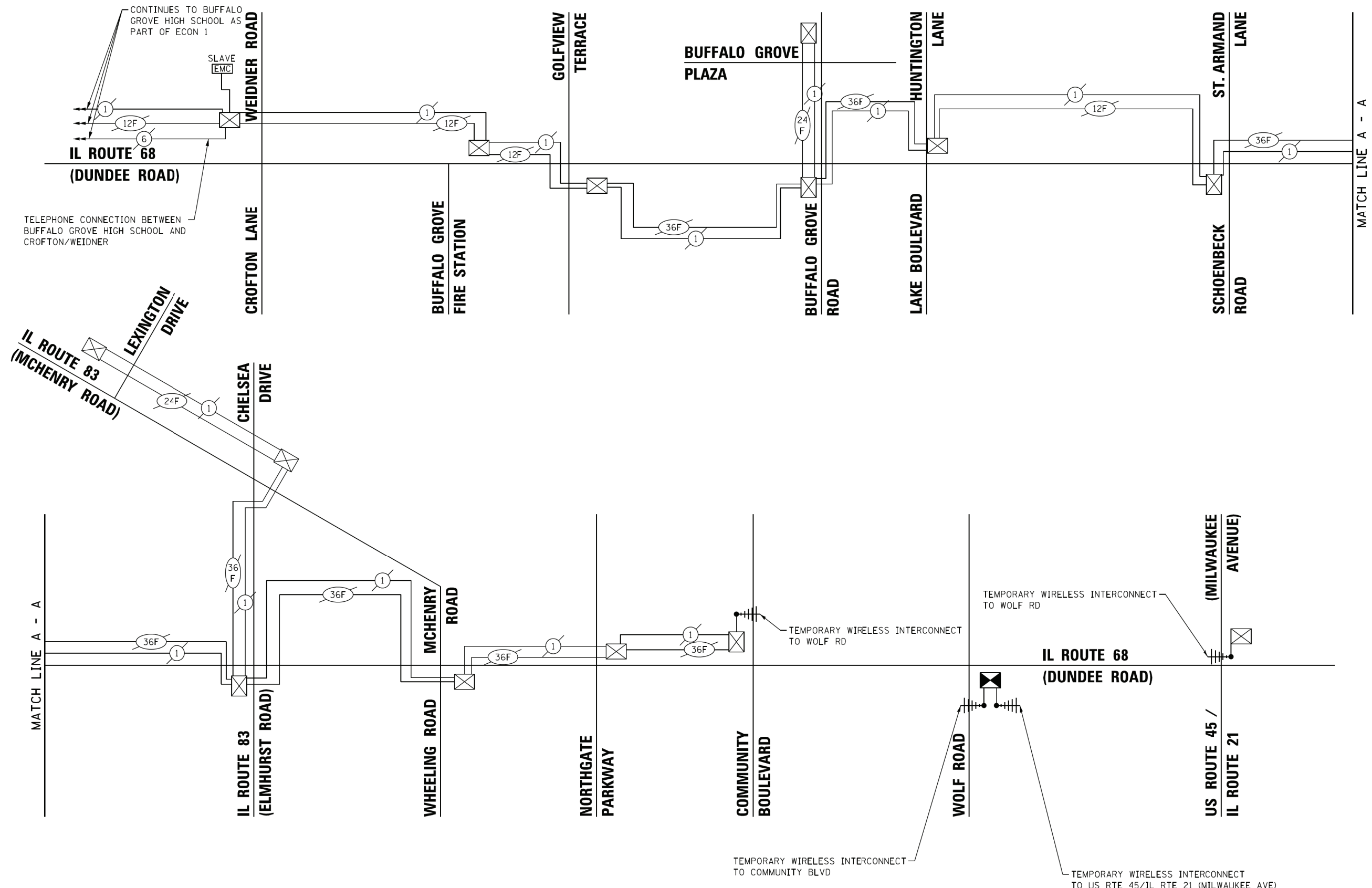
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
WOLF RD AND STRONG AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	229
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

TS 3202
ECON 92



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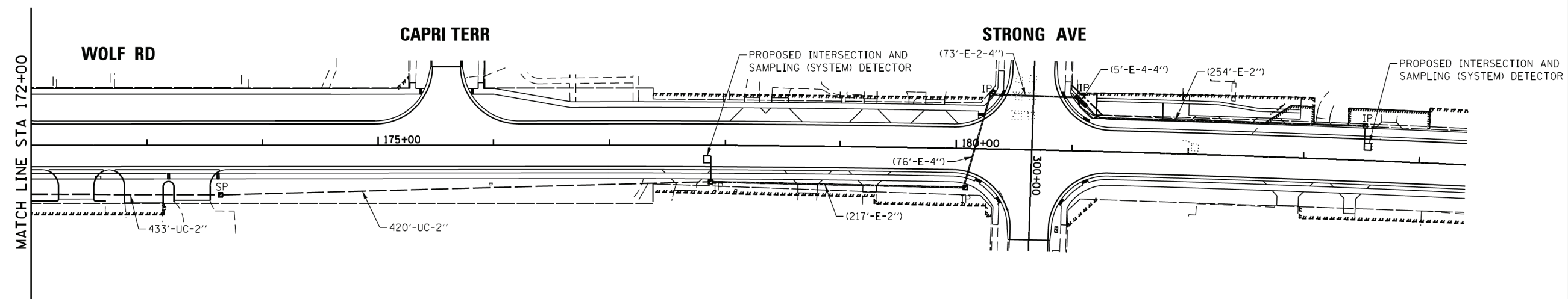
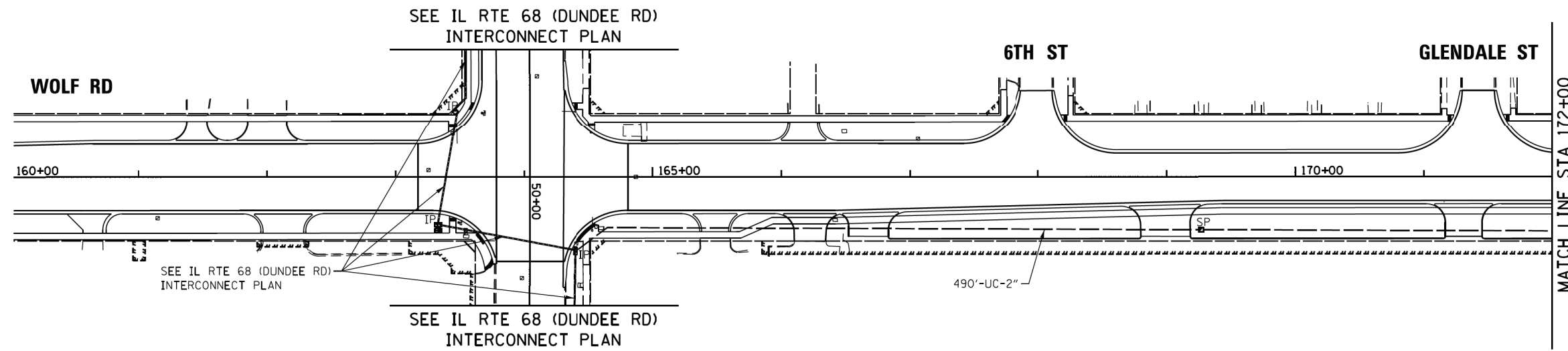
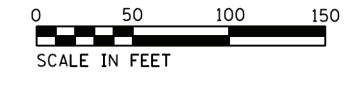
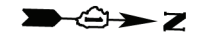
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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY INTERCONNECT SCHEMATIC			
IL RTE 68 (DUNDEE RD) - CROFTON LN /WEIDNER RD TO US RTE 45 /IL RTE 21 (MILWAUKEE AVE)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	230
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

ECON 92



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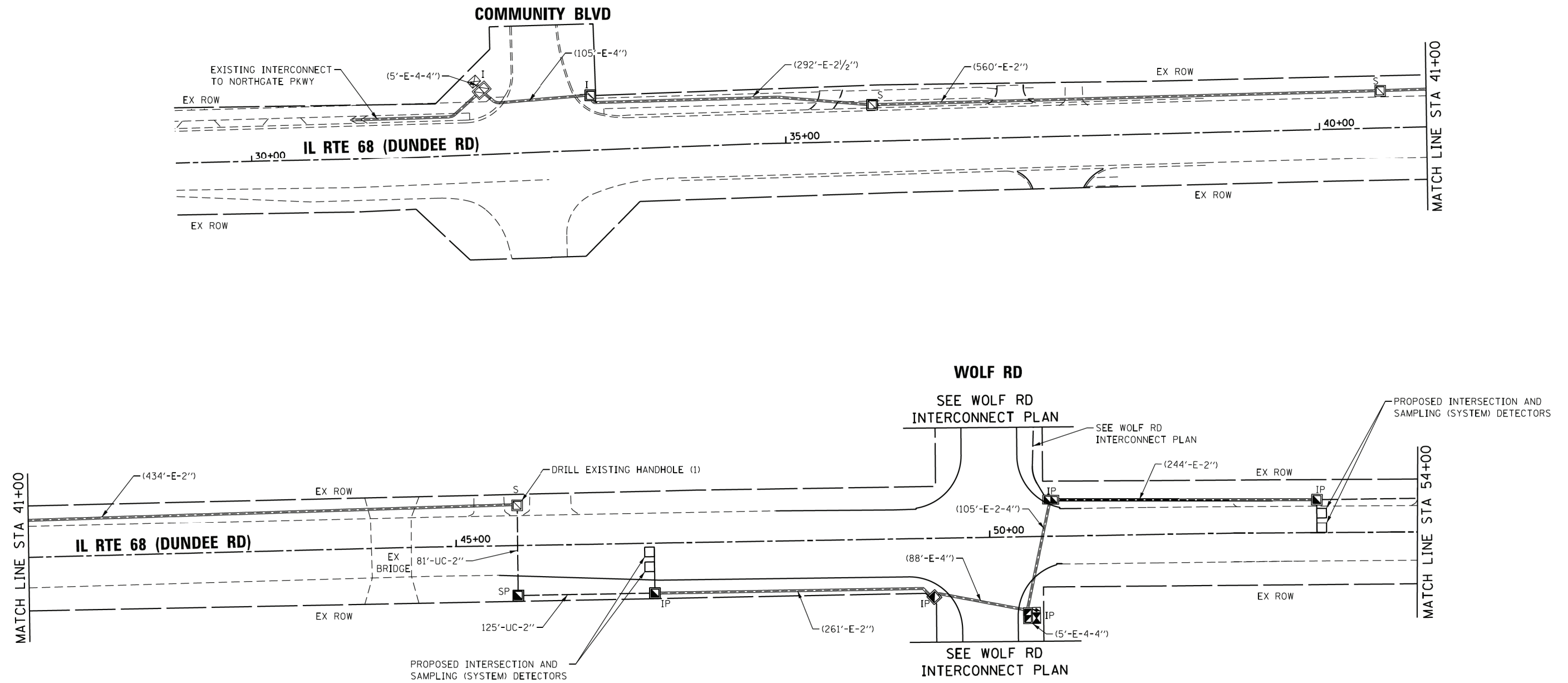
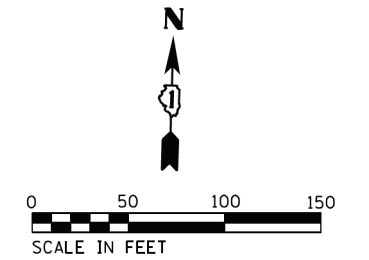
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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN	
WOLF RD -	
IL RTE 68 (DUNDEE RD) TO STRONG AVE	
SCALE:	STA. TO STA.
SHEET NO. 1 OF 1 SHEETS	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	231
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

ECON 92



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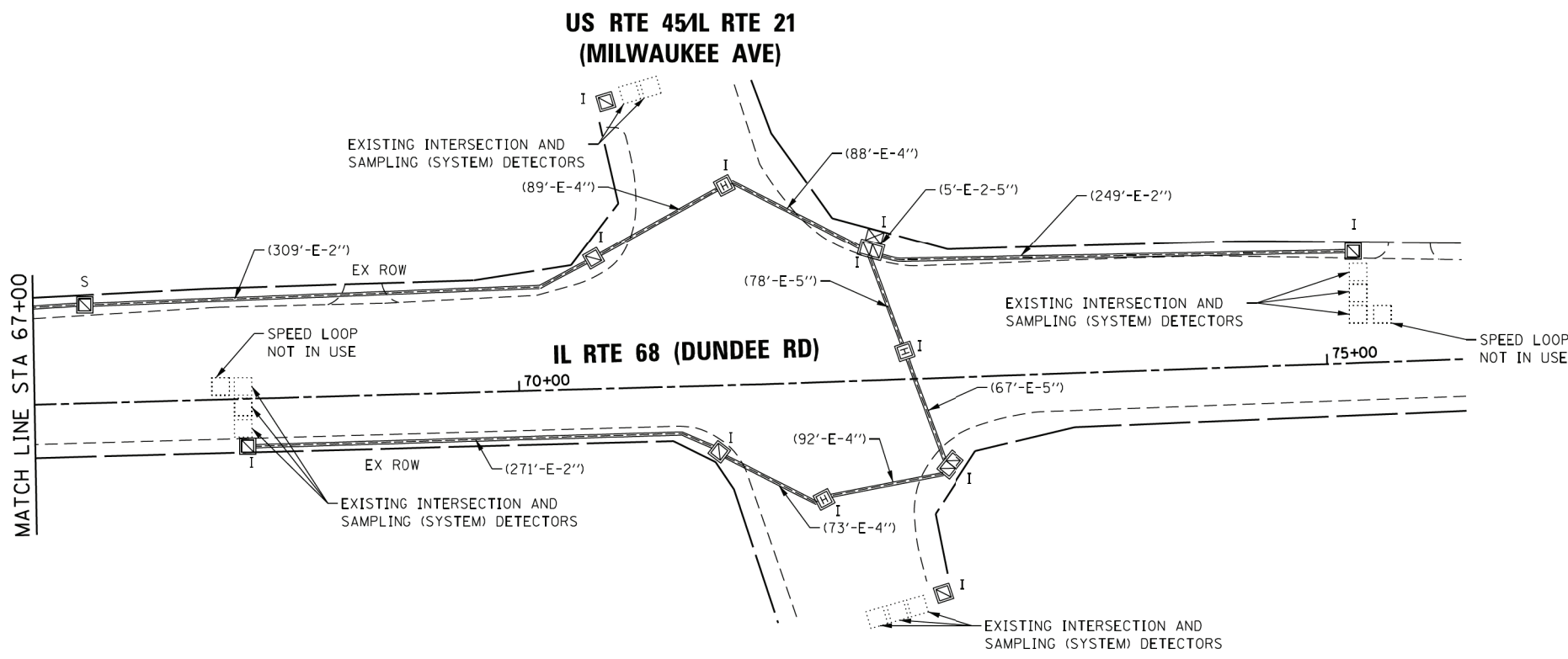
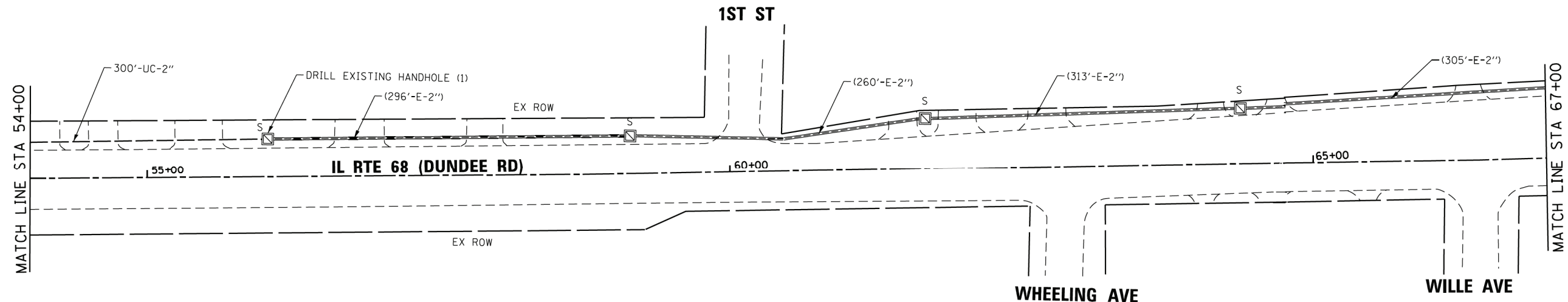
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 68 (DUNDEE RD) -
COMMUNITY BLVD TO US RTE 45 /IL RTE 21 (MILWAUKEE AVE)

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 232
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

ECON 92



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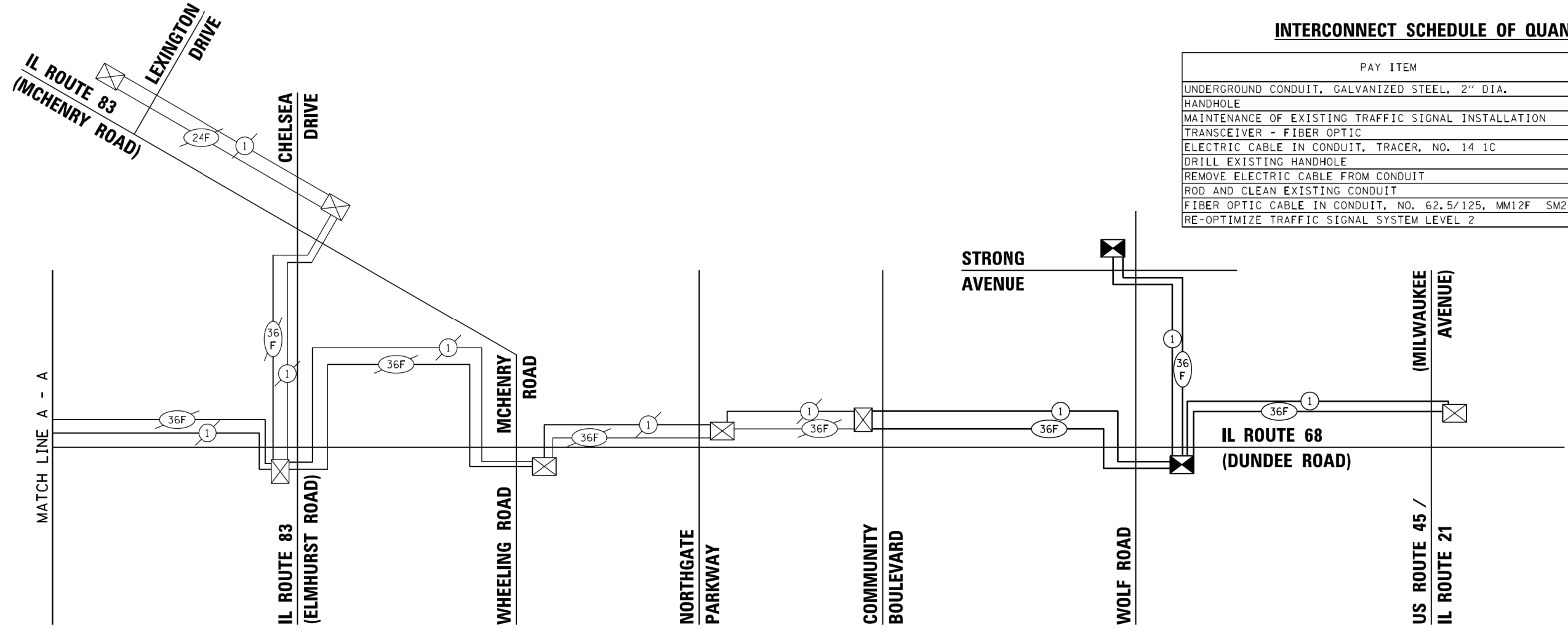
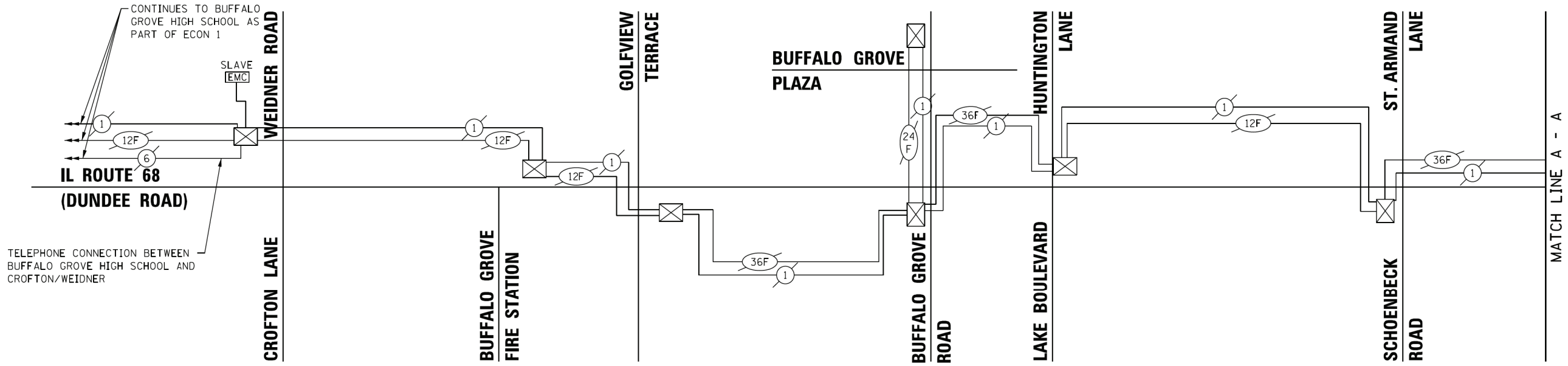
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
IL RTE 68 (DUNDEE RD) -
COMMUNITY BLVD TO US RTE 45/IL RTE 21 (MILWAUKEE AVE)**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	233
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

ECON 92



INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1849
HANDHOLE	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6367
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6332
ROD AND CLEAN EXISTING CONDUIT	FOOT	3061
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	6436
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2

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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC
IL RTE 68 (DUNDEE RD) -
CROFTON LN /WEIDNER RD TO US RTE 45 /IL RTE 21 (MILWAUKEE AVE)

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

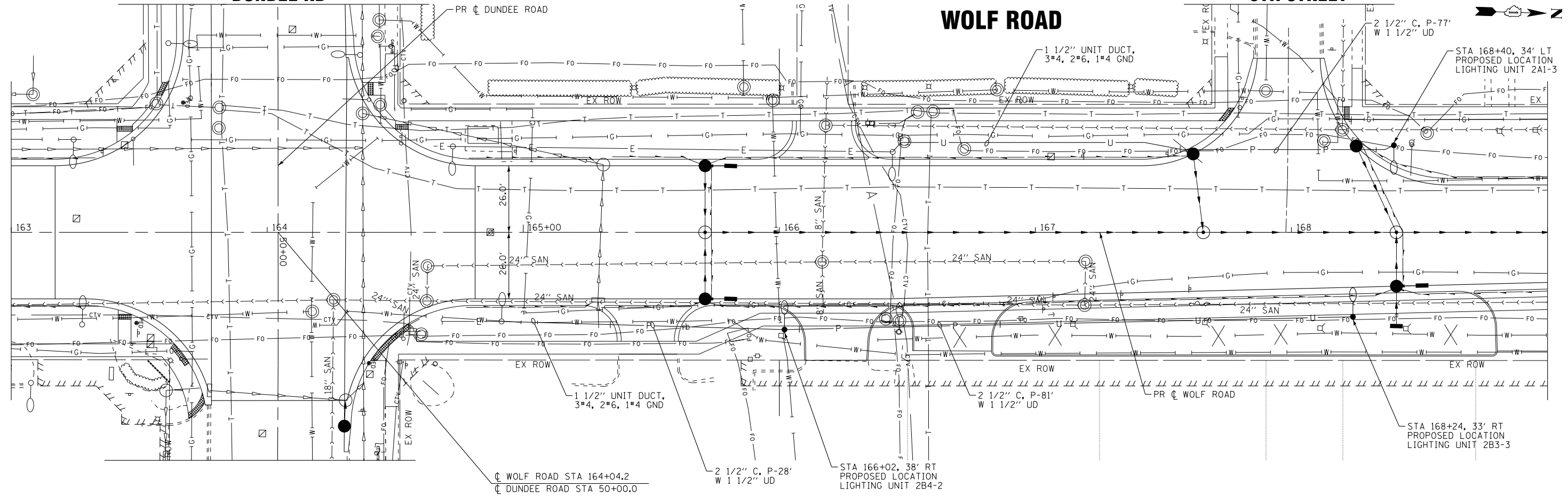
F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 234
CONTRACT NO. 60T05				ILLINOIS FED. AID PROJECT

ECON 92

DUNDEE RD

WOLF ROAD

6TH STREET



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CHECKED - JFM	REVISED -
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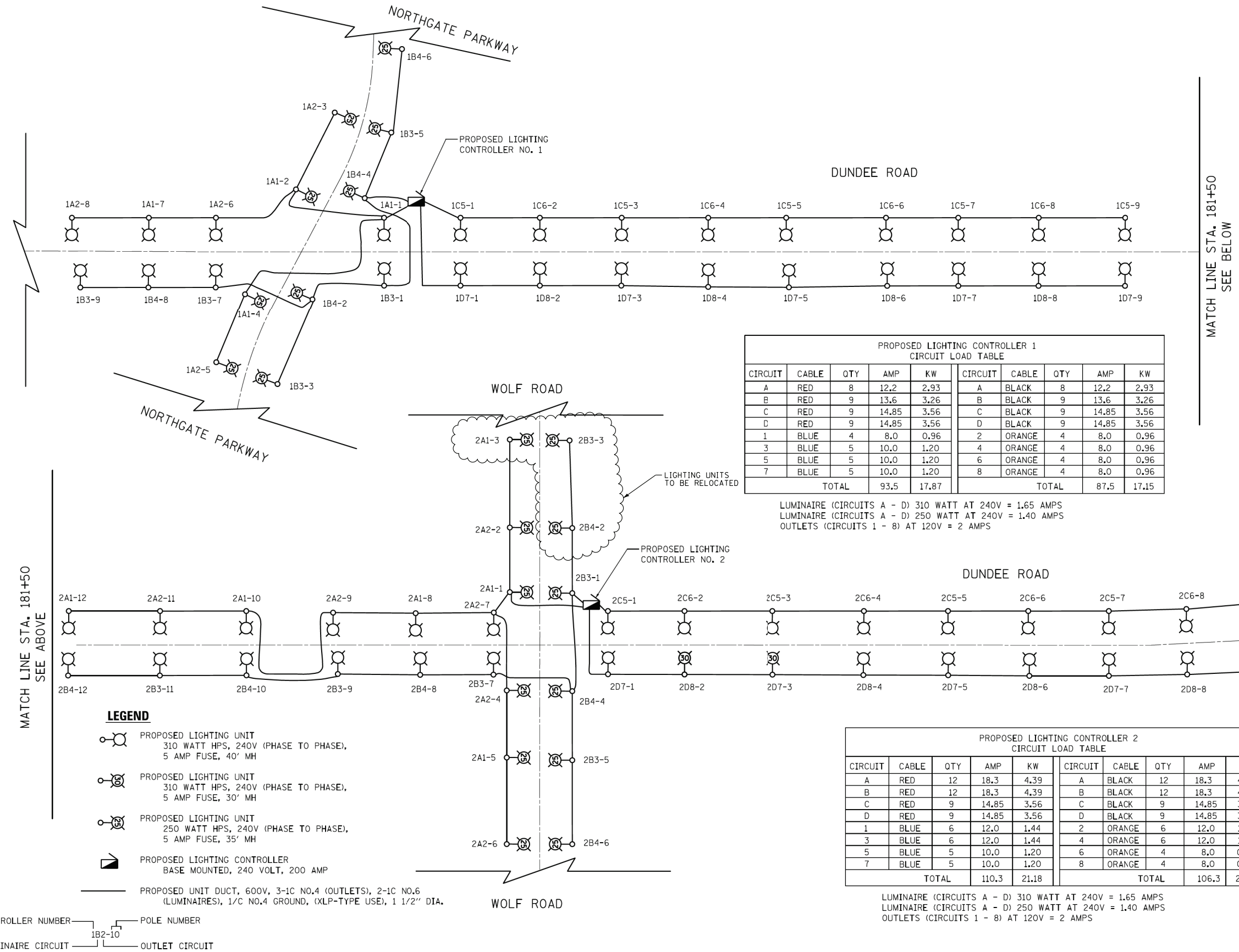
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DEPARTMENT OF TRANSPORTATION

STREET LIGHTING
WOLF ROAD

SCALE: 1" = 20'

STA. 163+00 TO STA. 169+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	235
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60T05	



**PROPOSED LIGHTING CONTROLLER 1
CIRCUIT LOAD TABLE**

CIRCUIT	CABLE	QTY	AMP	KW	CIRCUIT	CABLE	QTY	AMP	KW
A	RED	8	12.2	2.93	A	BLACK	8	12.2	2.93
B	RED	9	13.6	3.26	B	BLACK	9	13.6	3.26
C	RED	9	14.85	3.56	C	BLACK	9	14.85	3.56
D	RED	9	14.85	3.56	D	BLACK	9	14.85	3.56
1	BLUE	4	8.0	0.96	2	ORANGE	4	8.0	0.96
3	BLUE	5	10.0	1.20	4	ORANGE	4	8.0	0.96
5	BLUE	5	10.0	1.20	6	ORANGE	4	8.0	0.96
7	BLUE	5	10.0	1.20	8	ORANGE	4	8.0	0.96
TOTAL					TOTAL				
93.5					87.5				
17.87					17.15				

LUMINAIRE (CIRCUITS A - D) 310 WATT AT 240V = 1.65 AMPS
 LUMINAIRE (CIRCUITS A - D) 250 WATT AT 240V = 1.40 AMPS
 OUTLETS (CIRCUITS 1 - 8) AT 120V = 2 AMPS

**PROPOSED LIGHTING CONTROLLER 2
CIRCUIT LOAD TABLE**

CIRCUIT	CABLE	QTY	AMP	KW	CIRCUIT	CABLE	QTY	AMP	KW
A	RED	12	18.3	4.39	A	BLACK	12	18.3	4.39
B	RED	12	18.3	4.39	B	BLACK	12	18.3	4.39
C	RED	9	14.85	3.56	C	BLACK	9	14.85	3.56
D	RED	9	14.85	3.56	D	BLACK	9	14.85	3.56
1	BLUE	6	12.0	1.44	2	ORANGE	6	12.0	1.44
3	BLUE	6	12.0	1.44	4	ORANGE	6	12.0	1.44
5	BLUE	5	10.0	1.20	6	ORANGE	4	8.0	0.96
7	BLUE	5	10.0	1.20	8	ORANGE	4	8.0	0.96
TOTAL					TOTAL				
110.3					106.3				
21.18					20.70				

LUMINAIRE (CIRCUITS A - D) 310 WATT AT 240V = 1.65 AMPS
 LUMINAIRE (CIRCUITS A - D) 250 WATT AT 240V = 1.40 AMPS
 OUTLETS (CIRCUITS 1 - 8) AT 120V = 2 AMPS

- LEGEND**
- PROPOSED LIGHTING UNIT
310 WATT HPS, 240V (PHASE TO PHASE),
5 AMP FUSE, 40' MH
 - PROPOSED LIGHTING UNIT
310 WATT HPS, 240V (PHASE TO PHASE),
5 AMP FUSE, 30' MH
 - PROPOSED LIGHTING UNIT
250 WATT HPS, 240V (PHASE TO PHASE),
5 AMP FUSE, 35' MH
 - PROPOSED LIGHTING CONTROLLER
BASE MOUNTED, 240 VOLT, 200 AMP
 - PROPOSED UNIT DUCT, 600V, 3-1C NO.4 (OUTLETS), 2-1C NO.6
(LUMINAIRES), 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA.
- CONTROLLER NUMBER POLE NUMBER
 LUMINAIRE CIRCUIT OUTLET CIRCUIT

MATCH LINE STA. 181+50
SEE BELOW

MATCH LINE STA. 181+50
SEE ABOVE

**FOR
REFERENCE
ONLY**

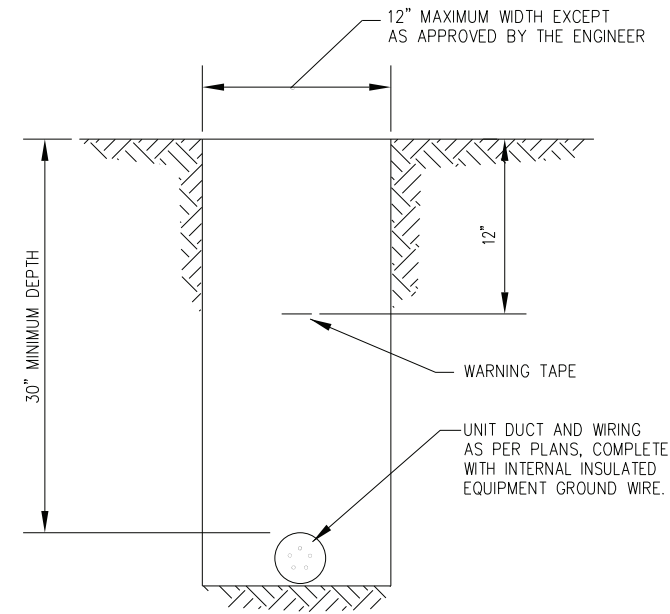
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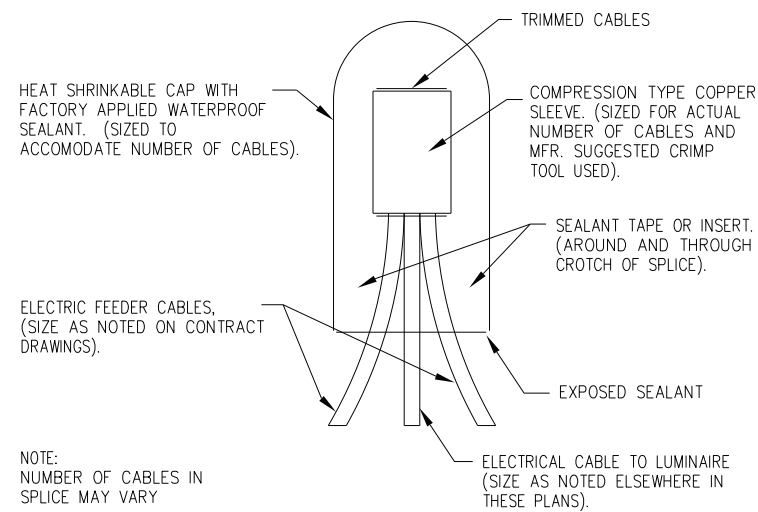
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F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 236
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				



TYPICAL WIRING IN TRENCH DETAIL

NO SCALE

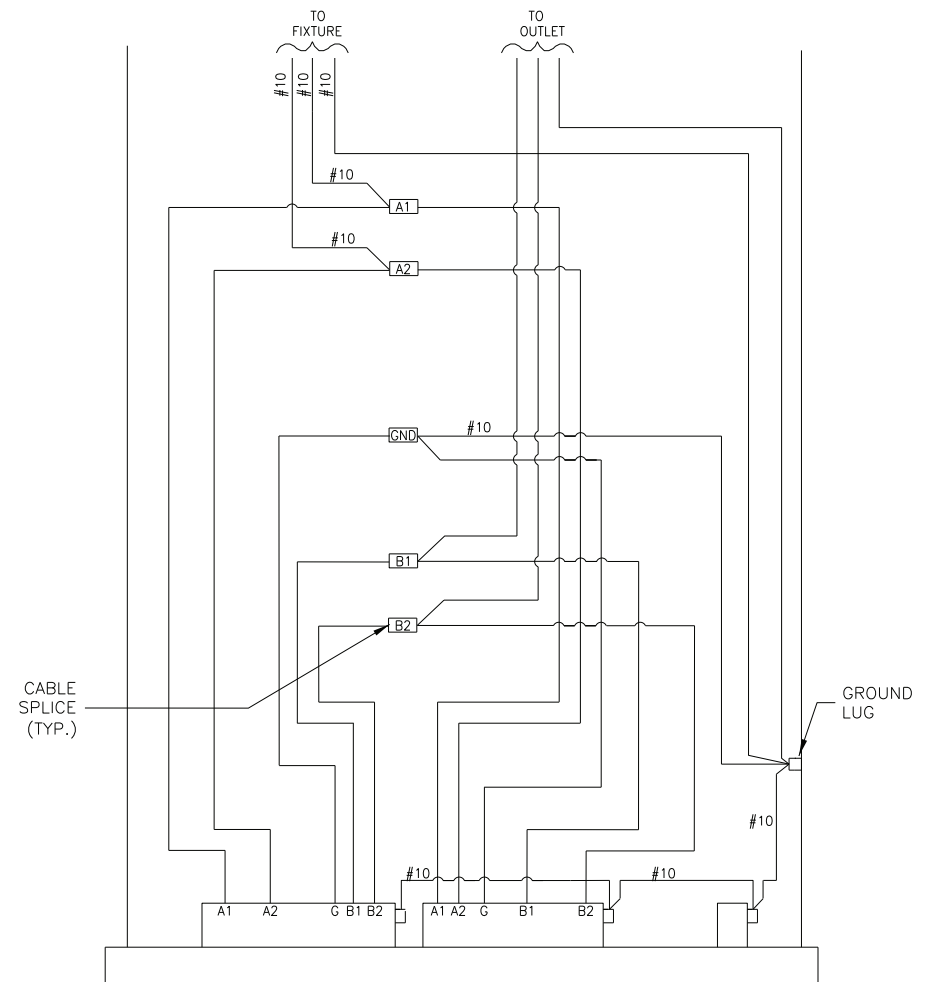


SPlicing ELECTRICAL CABLES
BASIC MATERIALS AND METHODS

NO SCALE

NOTE:
NUMBER OF CABLES IN
SPlice MAY VARY

ELECTRICAL CABLE TO LUMINAIRE
(SIZE AS NOTED ELSEWHERE IN
THESE PLANS).



POLE BASE WIRING DETAIL

NO SCALE

NOTE:

1. ALTERNATE PHASE CIRCUITING OF FESTOONS AND LUMINAIRES AS SHOWN ON PLANS.
2. GROUND POLE AND TRANSFORMER BASE TO GROUND ROD IN METAL HELIX FOUNDATION.

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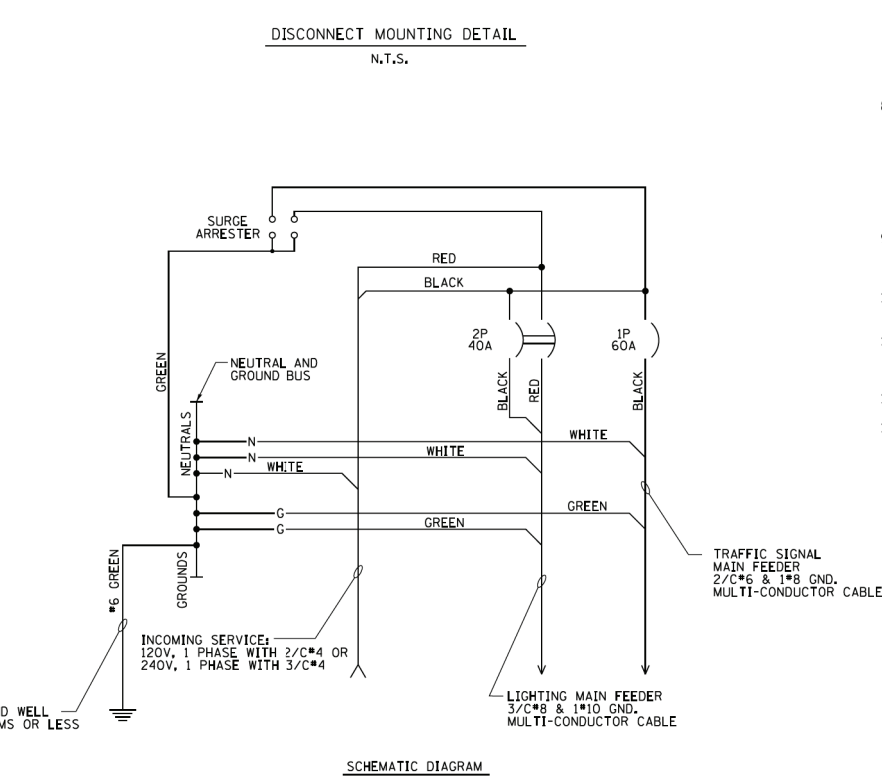
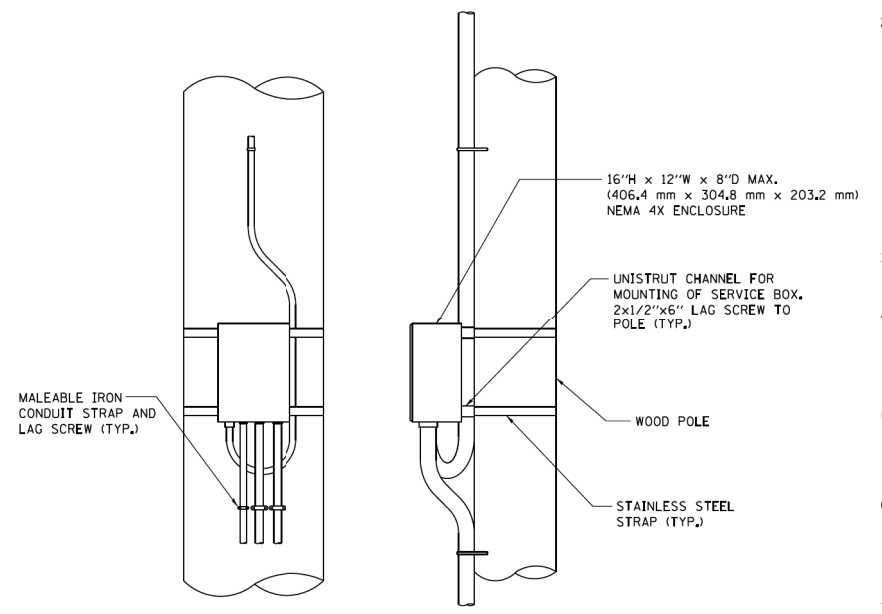
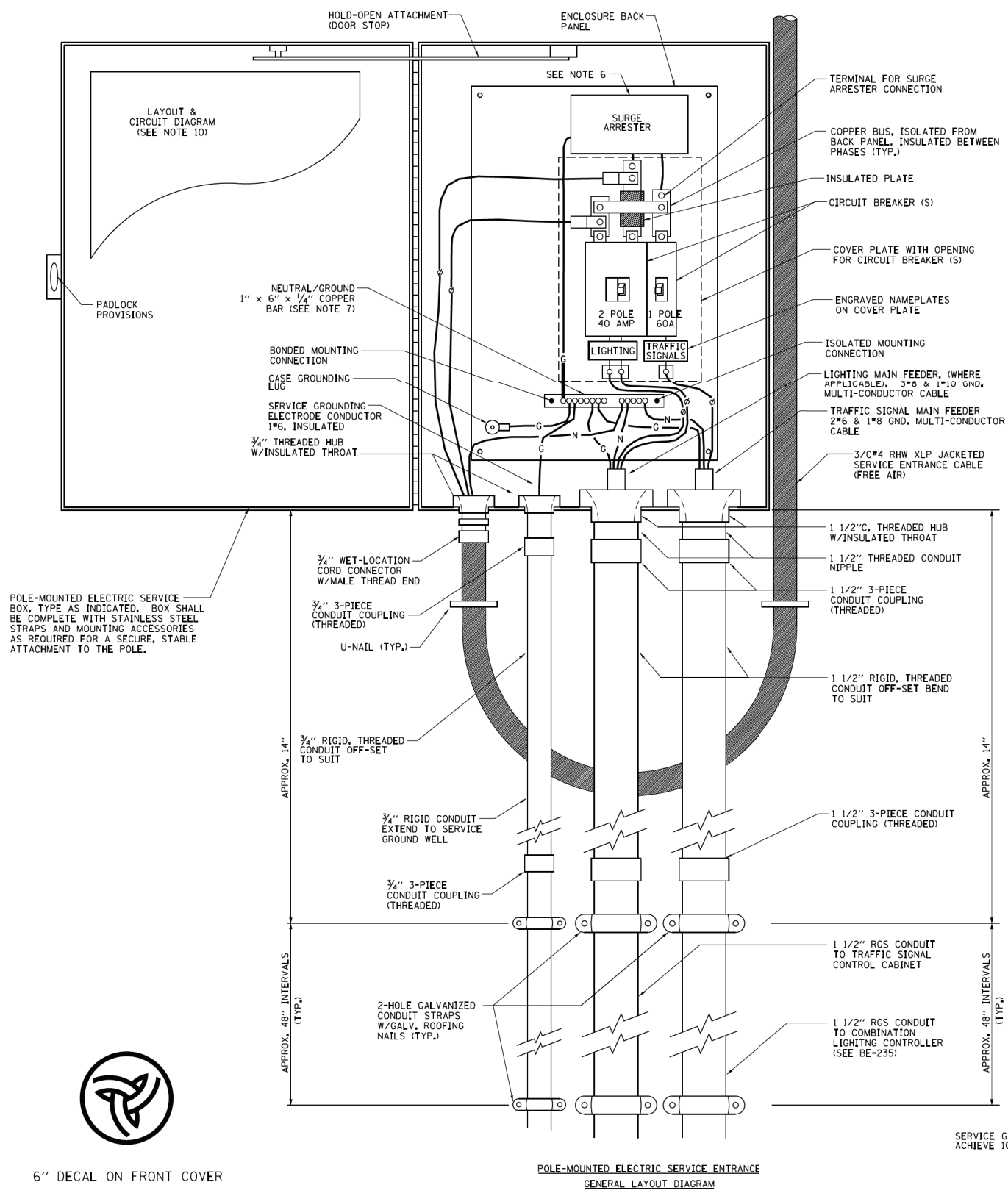
STATE OF ILLINOIS
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LIGHTING DETAILS

SCALE: N.T.S.

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	237
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	



- NOTES:**
- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
 - THE POLE-MOUNTED ELECTRIC SERVICE BOX DETAIL DEPICTS THE BASIC CONSTRUCTION OF THE EQUIPMENT. SLIGHT MODIFICATIONS APPLY FOR DIFFERING SERVICES AND APPLICATIONS AS FOLLOWS:
 - TYPE A FULLY EQUIPPED FOR 240/120V, 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER
 - TYPE A1 FULLY EQUIPPED FOR 240/120V, 3W SERVICE, BLANK COVER IN LIEU OF LIGHTING MAIN BREAKER
 - TYPE B EQUIPPED FOR 120V, SERVICE, COMPLETE WITH 1P, 60A, TRAFFIC SIGNALS MAIN BREAKER
 - TYPE B1 EQUIPPED FOR 120V, SERVICE, COMPLETE WITH 1P, 40A, TRAFFIC SURVEILLANCE MAIN BREAKER
 - THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
 - THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H120B56LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
 - CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
 - THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOY230L065XST OR APPROVED EQUAL.
 - BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
 - THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
 - THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
 - A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
 - A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
 - LUGS AND CONNECTORS SHALL BE RATED FOR 75°C CONDUCTOR.
 - THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



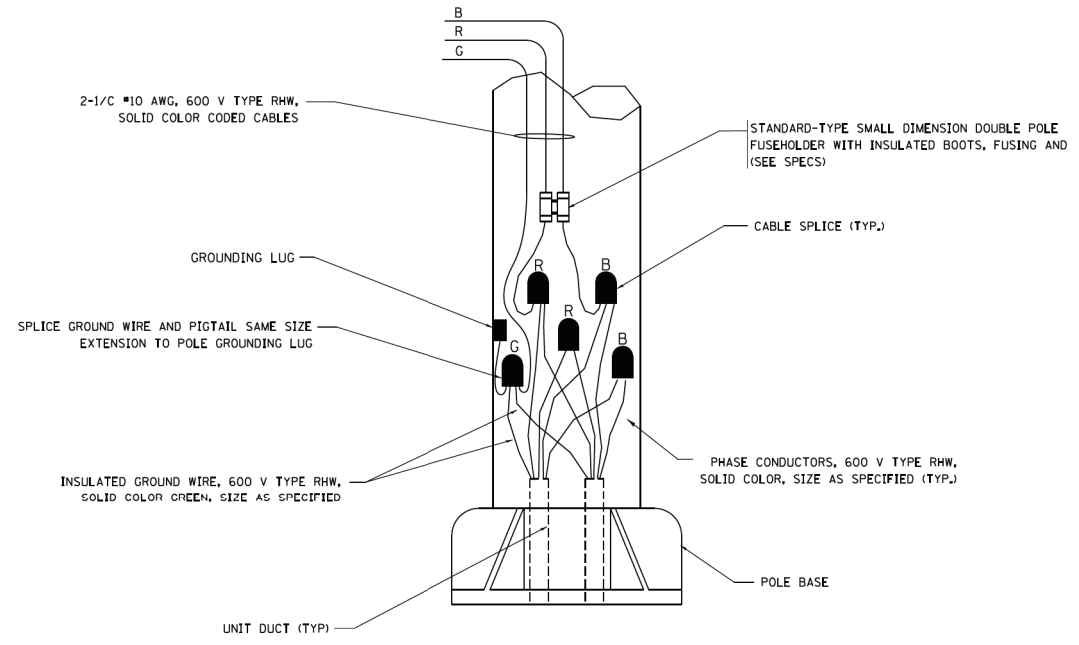
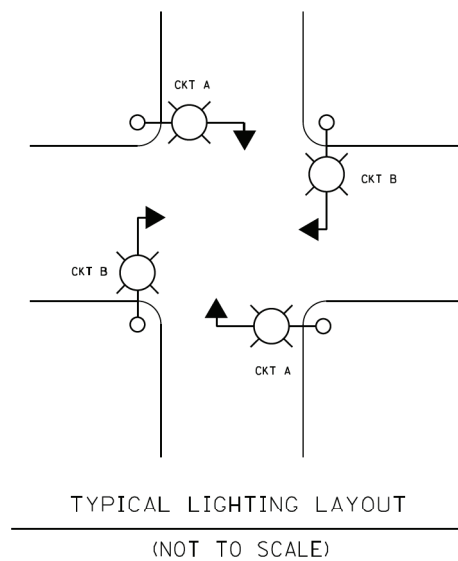
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 R. TOMSONS 08-13-04
 MAP 10-25-12
 CONTRACT NO. 60T05

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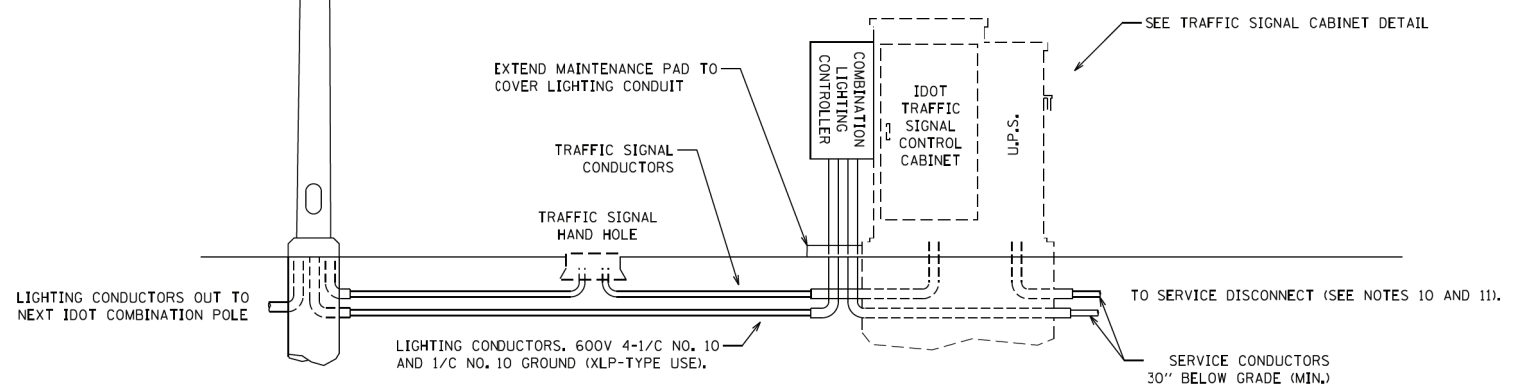
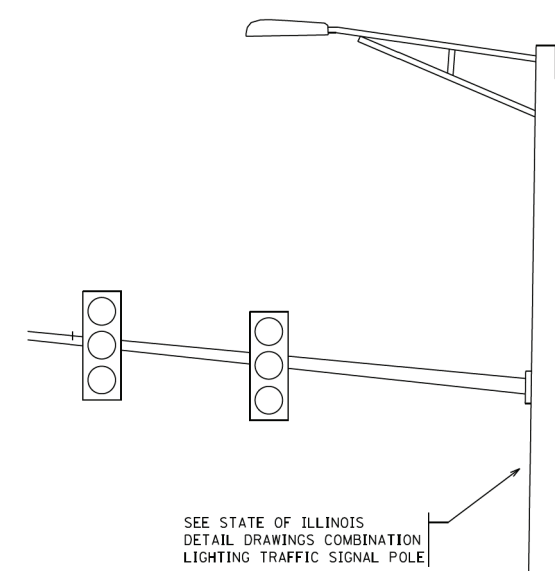
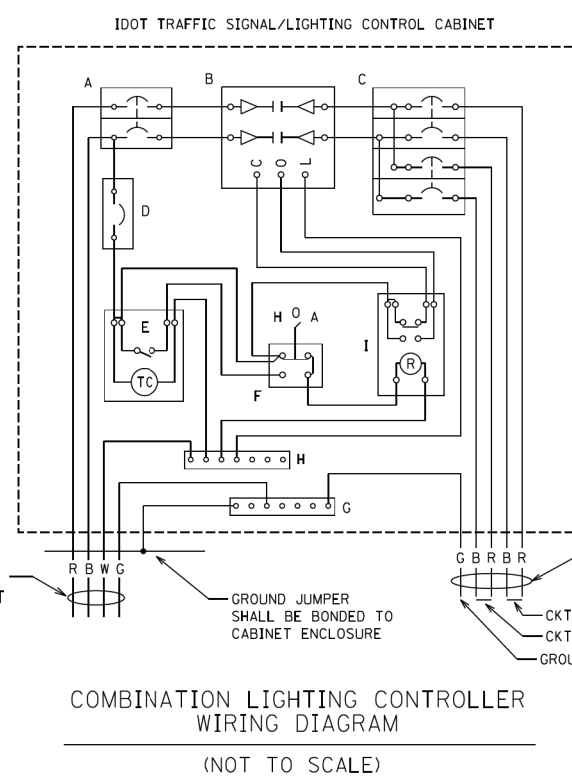
PANEL EQUIPMENT

BILL OF MATERIALS		
ITEM	QUANTITY	DESCRIPTION
A	1	CIRCUIT BREAKER, THERMAL MAGNETIC MOLDED CASE, 2 POLE, 240 VOLT 100 AMP FRAME, 30 AMP TRIP, INTERRUPTING RATING 22K RMS SYMETRICALL AMP
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 30 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	2	CIRCUIT BREAKERS, 2 POLE, 100 AMP. FRAME 20 AMP. NON-INTERCHANGABLE TRIP INTERRUPTING RATING 10,000 AMP AT 240 V.
D	1	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 15 AMP NON-INTERCHANGABLE TRIP, INTERRUPTING RATING 22K RMS SYMETRICAL AMP AT 240V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH)
F	1	H-O-A SWITCH
G	1	COPPER GROUND BUS 1/4" (6,35) X 1" (25,4) X 12" (304,8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
H	1	COPPER NEUTRAL BUS 1/4" (6,35) X 1" (25,4) X 12" (304,8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
I	1	RELAY, 2 POLE, SINGLE THROW, 120 VOLT COIL, CURRENT RATING TO BE COORDINATED WITH CONTACTOR



NOTES:

- ALL WIRING RELATED TO THE LIGHTING CONTROLS SHALL BE #10 AWG, 600V, TYPE SWITCH BOARD WIRE, STRANDED COPPER.
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE ENCLOSURE.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.
- THE COMBINATION POLE LIGHTING CABLING DETAIL IS INTENDED TO SHOW CONNECTIONS ONLY, FOR FURTHER INFORMATION ON THE COMBINATION LIGHT POLE, THE TRAFFIC SIGNAL CONTROL CABINET, AND THE SERVICE DISCONNECT BOX OR CABINET REFER TO THE RESPECTIVE DETAIL DRAWINGS.
- COMBINATION LIGHTING SHALL BE TIMED TO ENERGIZE 20 MINUTES PRIOR TO DUSK AND DE-ENERGIZE 20 MINUTES AFTER DAWN.
- COMBINATION LIGHTING CONTROLLER AND ALL COMBINATION POLES SHALL HAVE IDOT DESIGNATIONS AND LABELS. LIGHTING CONTROLLER DESIGNATIONS SHALL BE COORDINATED WITH THE BUREAU OF TRAFFIC - LIGHTING SECTION.
- ENCLOSURE SHALL BE UNPAINTED, NATURAL ALUMINUM FINISH. SHALL BE U.L. LISTED NEMA TYPE 3R AND SHALL BE 26" X 17" X 15"
- 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
- ELECTRIC SERVICE SHALL BE 120V/240V SERVICE AND SHALL BE A SHARED SERVICE FOR COMBINATION LIGHTING AND TRAFFIC SIGNALS.
- CONDUIT SIZES TO THE SERVICE DISCONNECT SHALL BE COORDINATED WITH THE SERVICE DISCONNECT DETAILS. REFER TO THE FOLLOWING DETAIL DRAWINGS FOR THE SERVICE DISCONNECT.
 - FOR POLE MOUNTED ELECTRIC SERVICE USE "COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX" (BE-230).
 - FOR GROUND MOUNTED ELECTRIC SERVICE USE "STANDARD COMBINATION LIGHTING DISCONNECT" CONTAINED IN THE TRAFFIC SIGNAL DETAILS.



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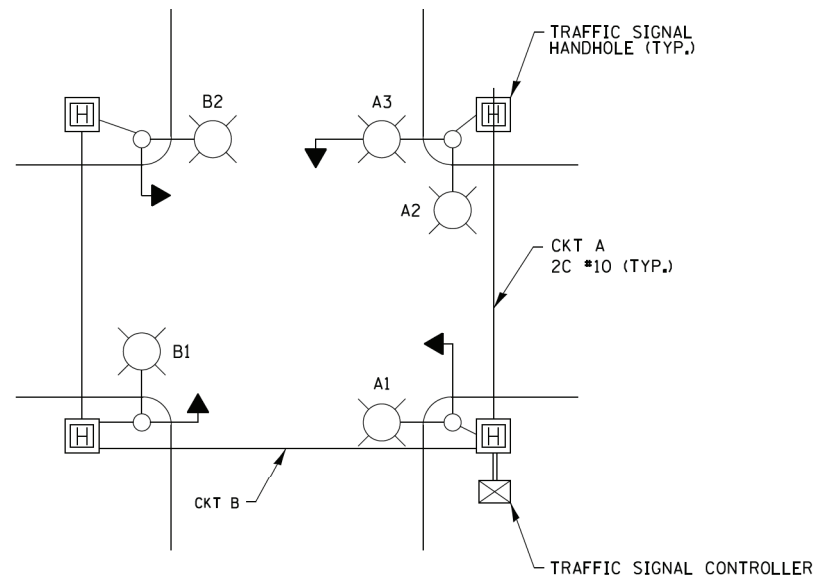
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

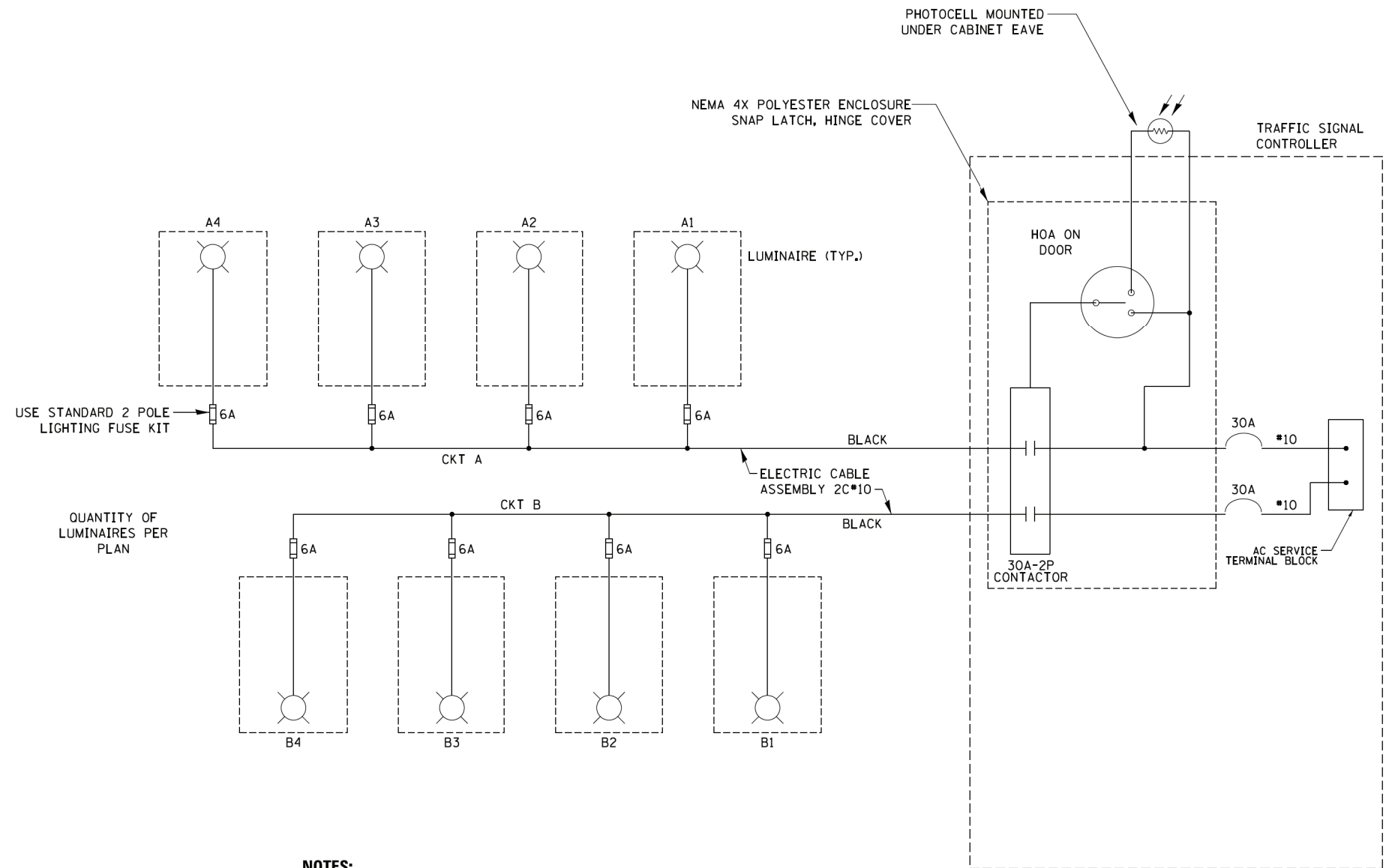
COMBINATION LIGHTING CONTROLLER

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	239
BE-235		CONTRACT NO. 60T05		
ILLINOIS FED. AID PROJECT				



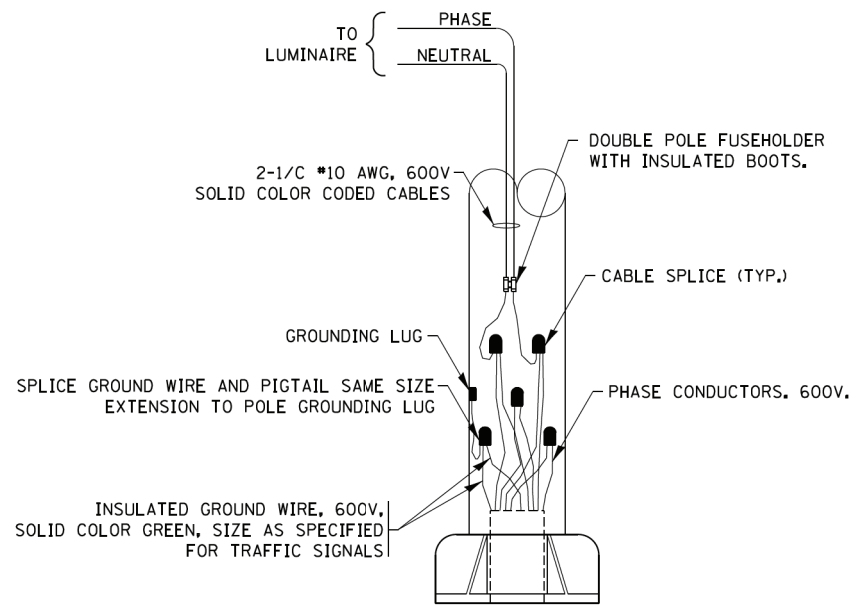
TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



QUANTITY OF LUMINAIRES PER PLAN

NOTES:

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. ALL CONTROLLERS TO HAVE TWO FUSED LIGHTING BRANCH CIRCUITS.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

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 PROJECT NO. = 3941-R
 DATE = 1/8/2020
 FILED AT: KILGORE, ILLINOIS, PROJECT NO. 3941-R

FILE NAME = be240.dgn	USER NAME = foatemj	DESIGNED - RT	REVISED - 02/10/2015
		DRAWN -	REVISED - 10/13/2015
		CHECKED - RT	REVISED - T.G. 4/12/2017
		DATE - 08/18/2014	REVISED - R. TOMSONS 3/22/18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

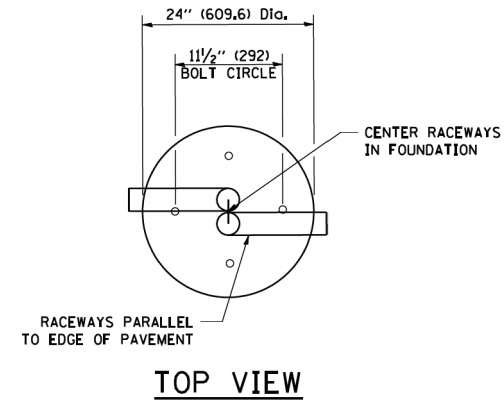
COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

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

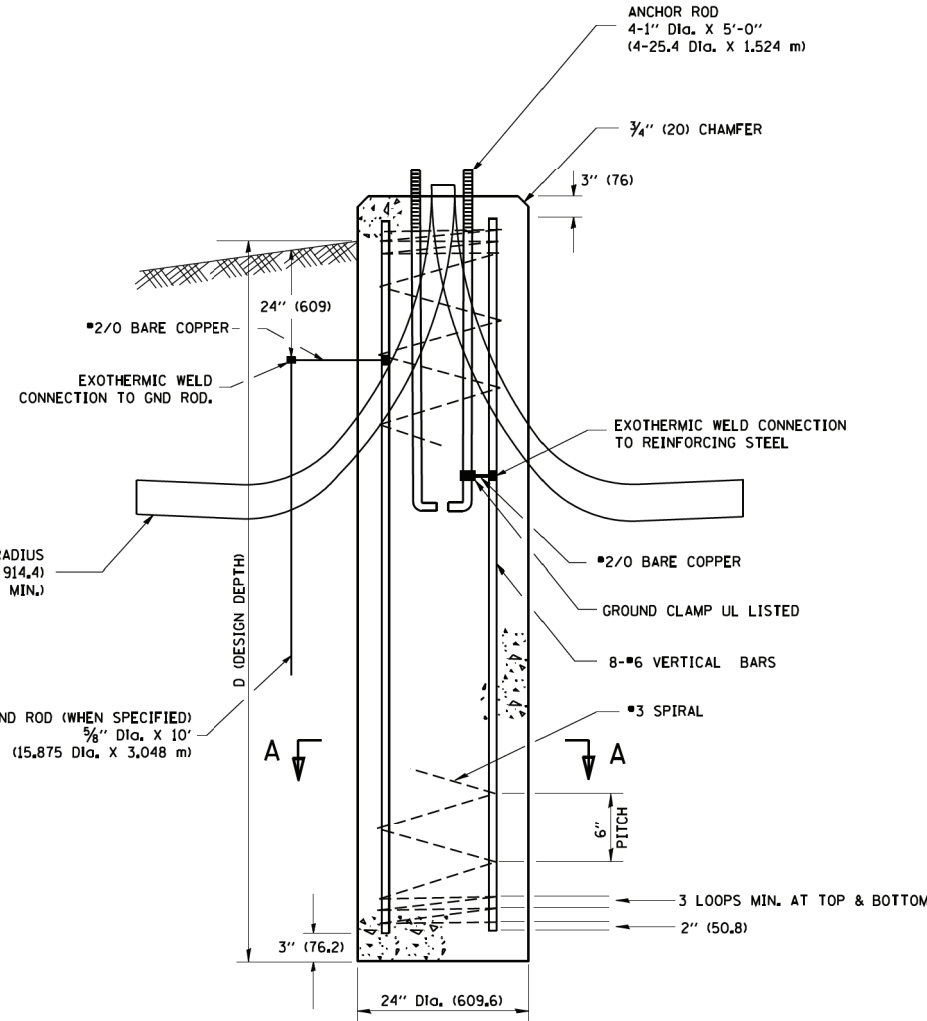
F.A. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 240
BE-240		CONTRACT NO. 60T05		
ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O _u = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY O _u = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY O _u = 1.50 TON/SO. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



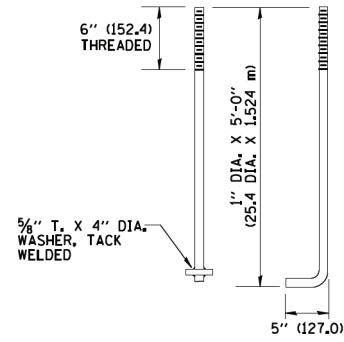
TOP VIEW



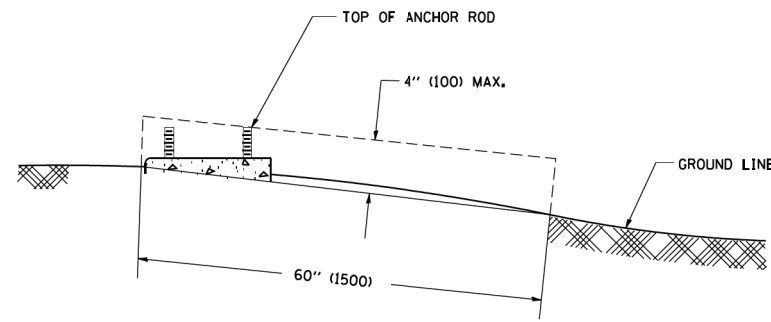
FOUNDATION DETAIL

NOTES

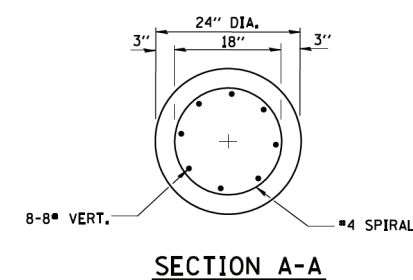
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 MM) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 M) CHORD ACROSS THE FOUNDATION, 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 DH, 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 UM(6 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.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

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PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 12" (292 mm) BOLT CIRCLE
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	241
BE-300		CONTRACT NO. 60T05		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

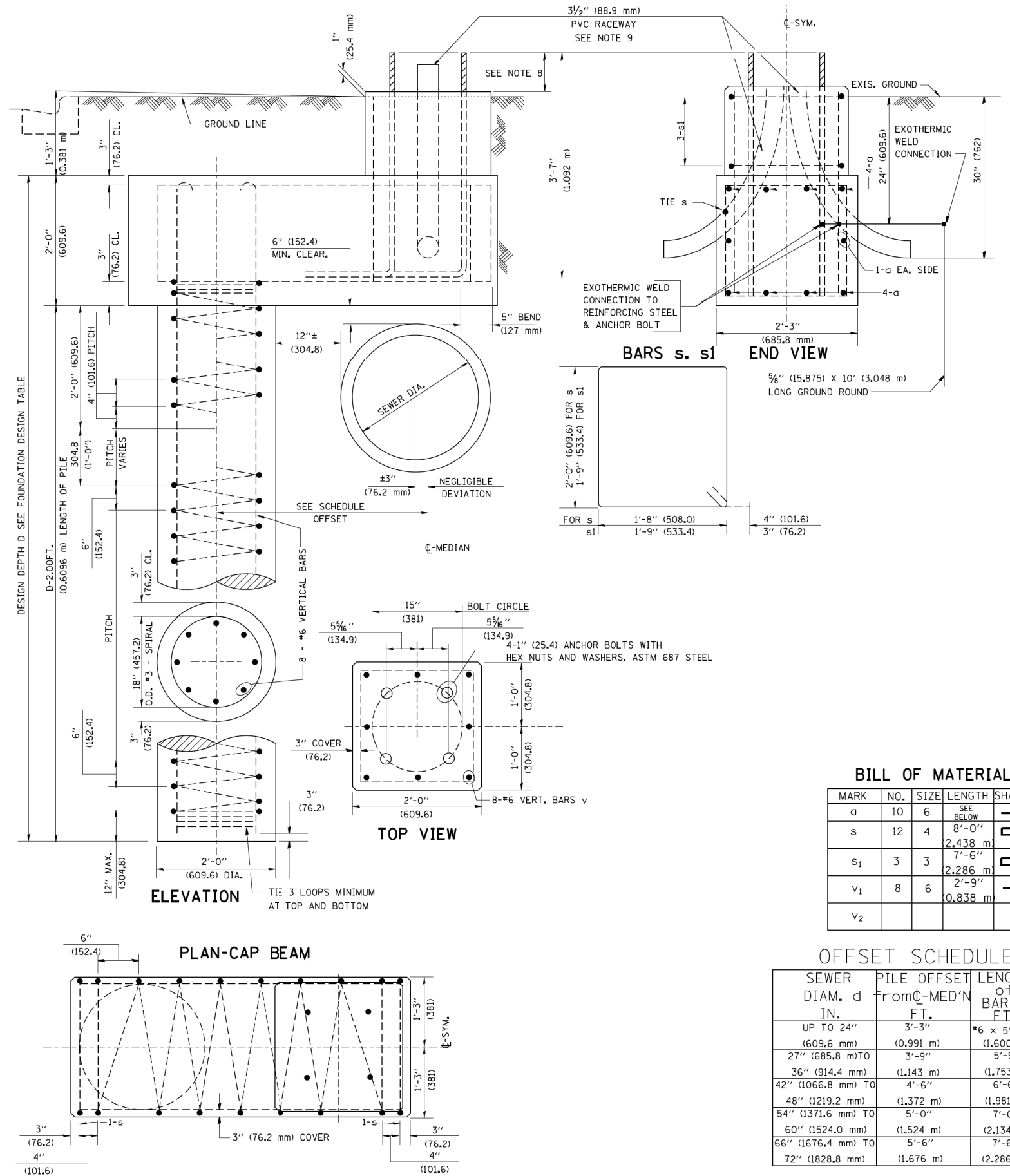
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FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- 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 BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- 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 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" 2,438 m	□
s ₁	3	3	7'-6" 2,286 m	□
v ₁	8	6	2'-9" 0,838 m	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MEDIAN IN.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
42" (1066.8 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
48" (1219.2 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)
54" (1371.6 mm) TO	6'-0" (1.828 m)	
60" (1524.0 mm)		
66" (1676.4 mm) TO		
72" (1828.8 mm)		

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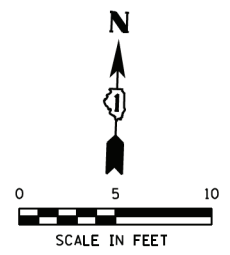
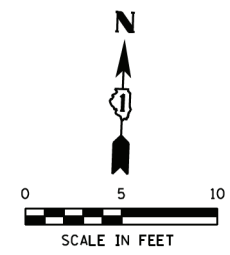
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

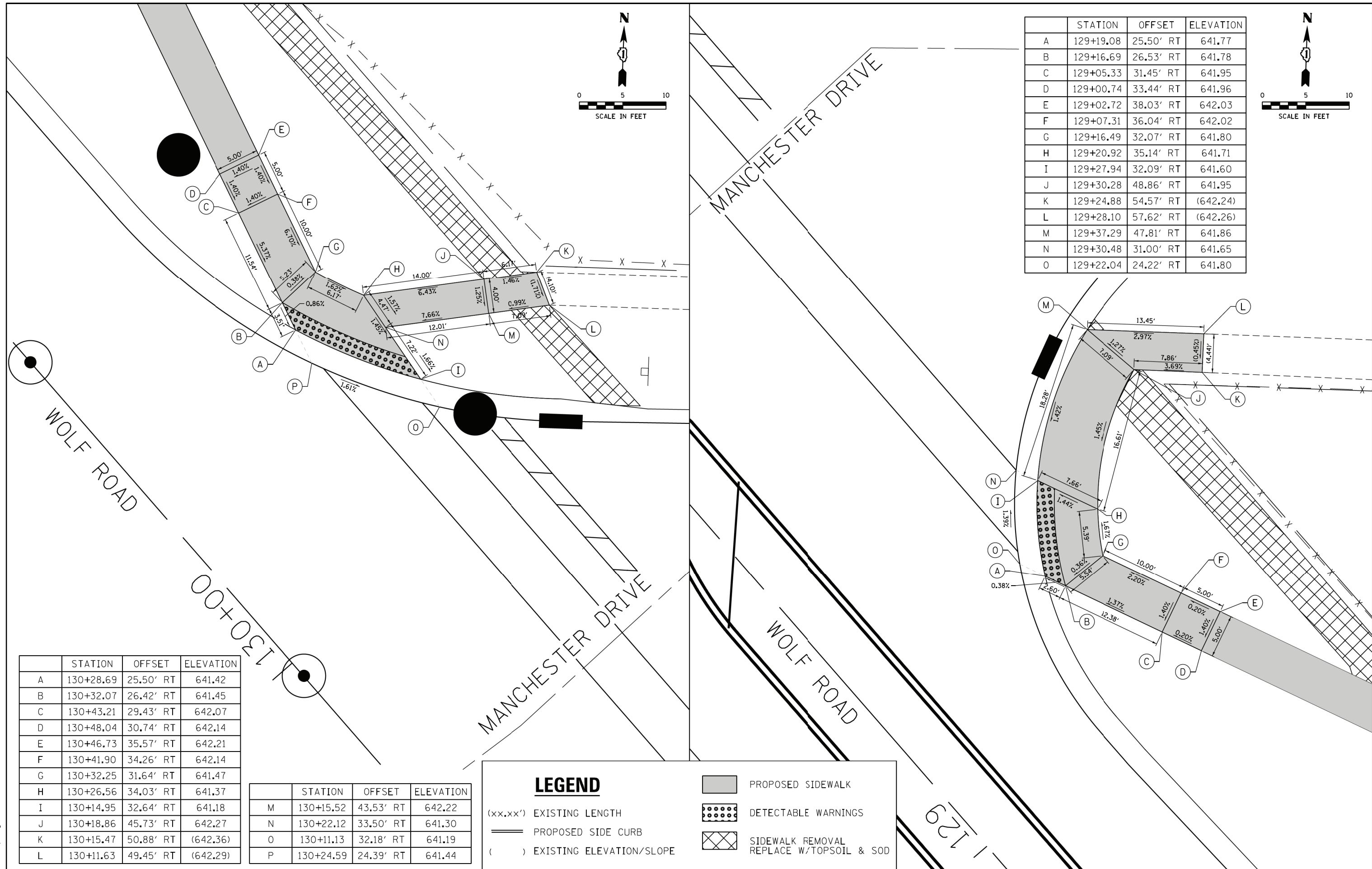
LIGHT POLE FOUNDATION OFFSET
40' (12.192 m) TO 47 1/2' (14.478 m) M.H.
15" (381 mm) BOLT CIRCLE

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
2692 3941-R COOK 331 242
BE-310 CONTRACT NO. 60T05
ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	129+19.08	25.50' RT	641.77
B	129+16.69	26.53' RT	641.78
C	129+05.33	31.45' RT	641.95
D	129+00.74	33.44' RT	641.96
E	129+02.72	38.03' RT	642.03
F	129+07.31	36.04' RT	642.02
G	129+16.49	32.07' RT	641.80
H	129+20.92	35.14' RT	641.71
I	129+27.94	32.09' RT	641.60
J	129+30.28	48.86' RT	641.95
K	129+24.88	54.57' RT	(642.24)
L	129+28.10	57.62' RT	(642.26)
M	129+37.29	47.81' RT	641.86
N	129+30.48	31.00' RT	641.65
O	129+22.04	24.22' RT	641.80



	STATION	OFFSET	ELEVATION
A	130+28.69	25.50' RT	641.42
B	130+32.07	26.42' RT	641.45
C	130+43.21	29.43' RT	642.07
D	130+48.04	30.74' RT	642.14
E	130+46.73	35.57' RT	642.21
F	130+41.90	34.26' RT	642.14
G	130+32.25	31.64' RT	641.47
H	130+26.56	34.03' RT	641.37
I	130+14.95	32.64' RT	641.18
J	130+18.86	45.73' RT	642.27
K	130+15.47	50.88' RT	(642.36)
L	130+11.63	49.45' RT	(642.29)

	STATION	OFFSET	ELEVATION
M	130+15.52	43.53' RT	642.22
N	130+22.12	33.50' RT	641.30
O	130+11.13	32.18' RT	641.19
P	130+24.59	24.39' RT	641.44

LEGEND

(xx.xx') EXISTING LENGTH

— PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD



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 PLOT DATE = 1/7/2020

DESIGNED - NLS
 DRAWN - SDM
 CHECKED - EJB
 DATE - 1/9/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
 MANCHESTER DR

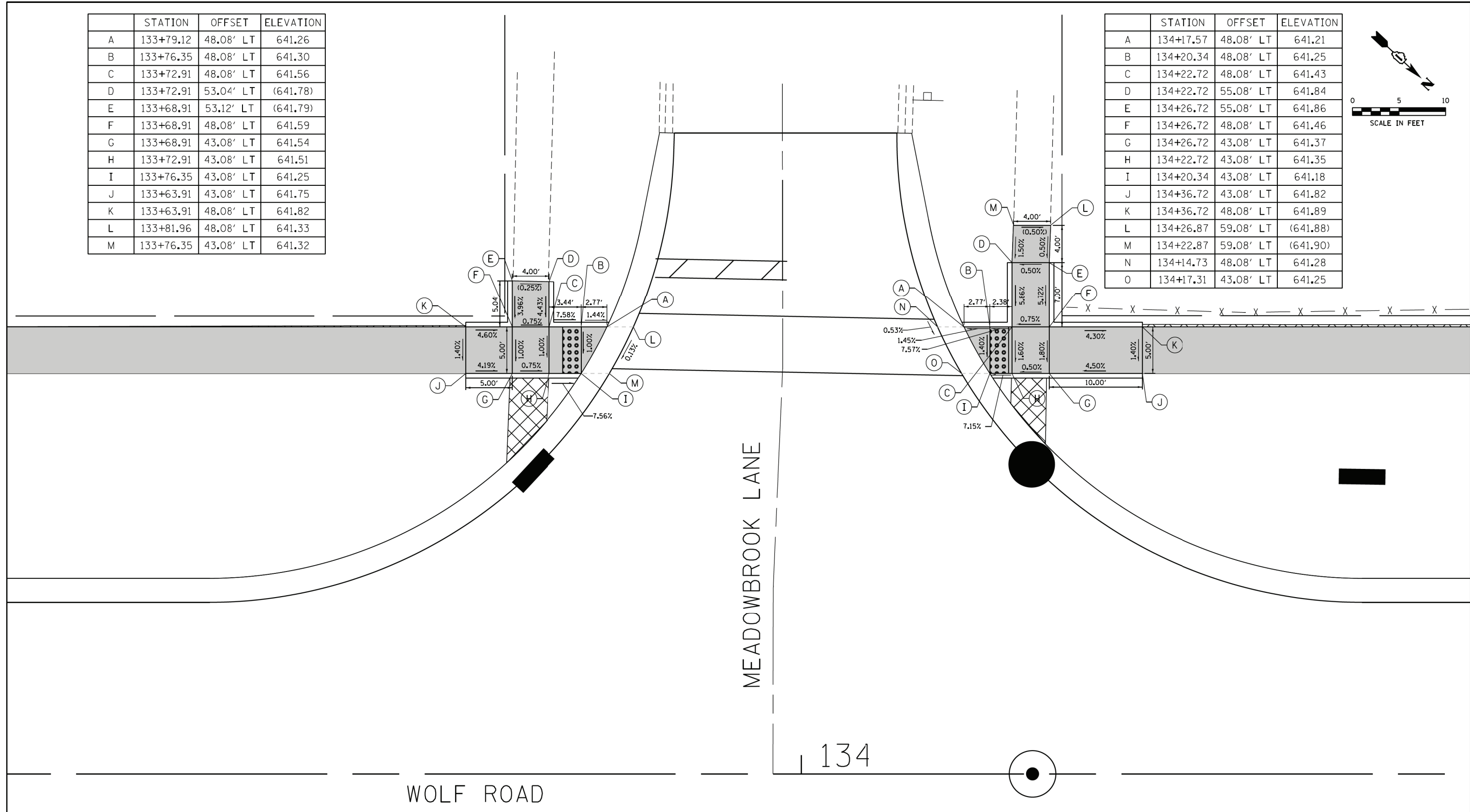
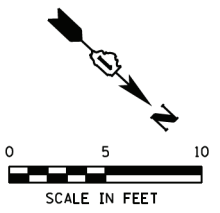
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	243
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

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	STATION	OFFSET	ELEVATION
A	133+79.12	48.08' LT	641.26
B	133+76.35	48.08' LT	641.30
C	133+72.91	48.08' LT	641.56
D	133+72.91	53.04' LT	(641.78)
E	133+68.91	53.12' LT	(641.79)
F	133+68.91	48.08' LT	641.59
G	133+68.91	43.08' LT	641.54
H	133+72.91	43.08' LT	641.51
I	133+76.35	43.08' LT	641.25
J	133+63.91	43.08' LT	641.75
K	133+63.91	48.08' LT	641.82
L	133+81.96	48.08' LT	641.33
M	133+76.35	43.08' LT	641.32

	STATION	OFFSET	ELEVATION
A	134+17.57	48.08' LT	641.21
B	134+20.34	48.08' LT	641.25
C	134+22.72	48.08' LT	641.43
D	134+22.72	55.08' LT	641.84
E	134+26.72	55.08' LT	641.86
F	134+26.72	48.08' LT	641.46
G	134+26.72	43.08' LT	641.37
H	134+22.72	43.08' LT	641.35
I	134+20.34	43.08' LT	641.18
J	134+36.72	43.08' LT	641.82
K	134+36.72	48.08' LT	641.89
L	134+26.87	59.08' LT	(641.88)
M	134+22.87	59.08' LT	(641.90)
N	134+14.73	48.08' LT	641.28
O	134+17.31	43.08' LT	641.25



WOLF ROAD

MEADOWBROOK LANE

134

LEGEND

- (xx.xx')
- PROPOSED SIDE WALK
- PROPOSED SIDE CURB
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

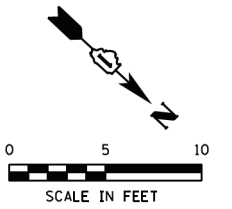
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STA.	TO STA.

F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 244
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

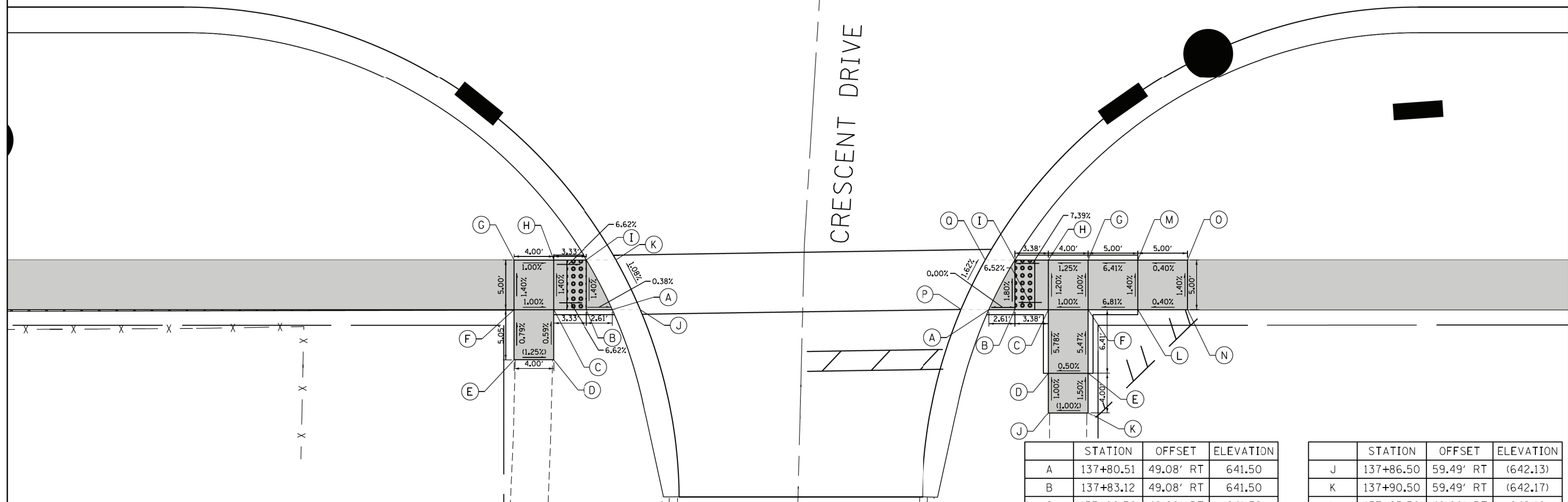
137

138

WOLF ROAD



CRESCENT DRIVE



	STATION	OFFSET	ELEVATION
A	137+42.49	49.08' RT	641.58
B	137+39.88	49.08' RT	641.59
C	137+36.55	49.08' RT	641.81
D	137+36.55	54.13' RT	(641.84)
E	137+32.55	54.13' RT	(641.89)
F	137+32.55	49.08' RT	641.85
G	137+32.55	44.08' RT	641.78
H	137+36.55	44.08' RT	641.74
I	137+39.88	44.08' RT	641.52
J	137+45.31	49.08' RT	641.65
K	137+42.86	44.08' RT	641.59

	STATION	OFFSET	ELEVATION
A	137+80.51	49.08' RT	641.50
B	137+83.12	49.08' RT	641.50
C	137+86.50	49.08' RT	641.72
D	137+86.50	55.49' RT	642.09
E	137+90.50	55.49' RT	642.11
F	137+90.50	49.08' RT	641.76
G	137+90.50	44.08' RT	641.71
H	137+86.50	44.08' RT	641.66
I	137+83.12	44.08' RT	641.41

	STATION	OFFSET	ELEVATION
J	137+86.50	59.49' RT	(642.13)
K	137+90.50	59.49' RT	(642.17)
L	137+95.50	49.08' RT	642.10
M	137+95.50	44.08' RT	642.03
N	138+00.50	49.08' RT	642.12
O	138+00.50	44.08' RT	642.05
P	137+77.70	49.06' RT	641.58
Q	137+80.14	44.08' RT	641.49

LEGEND

(xx.xx') EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
CRESCENT DR

SCALE: 1"=5'

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

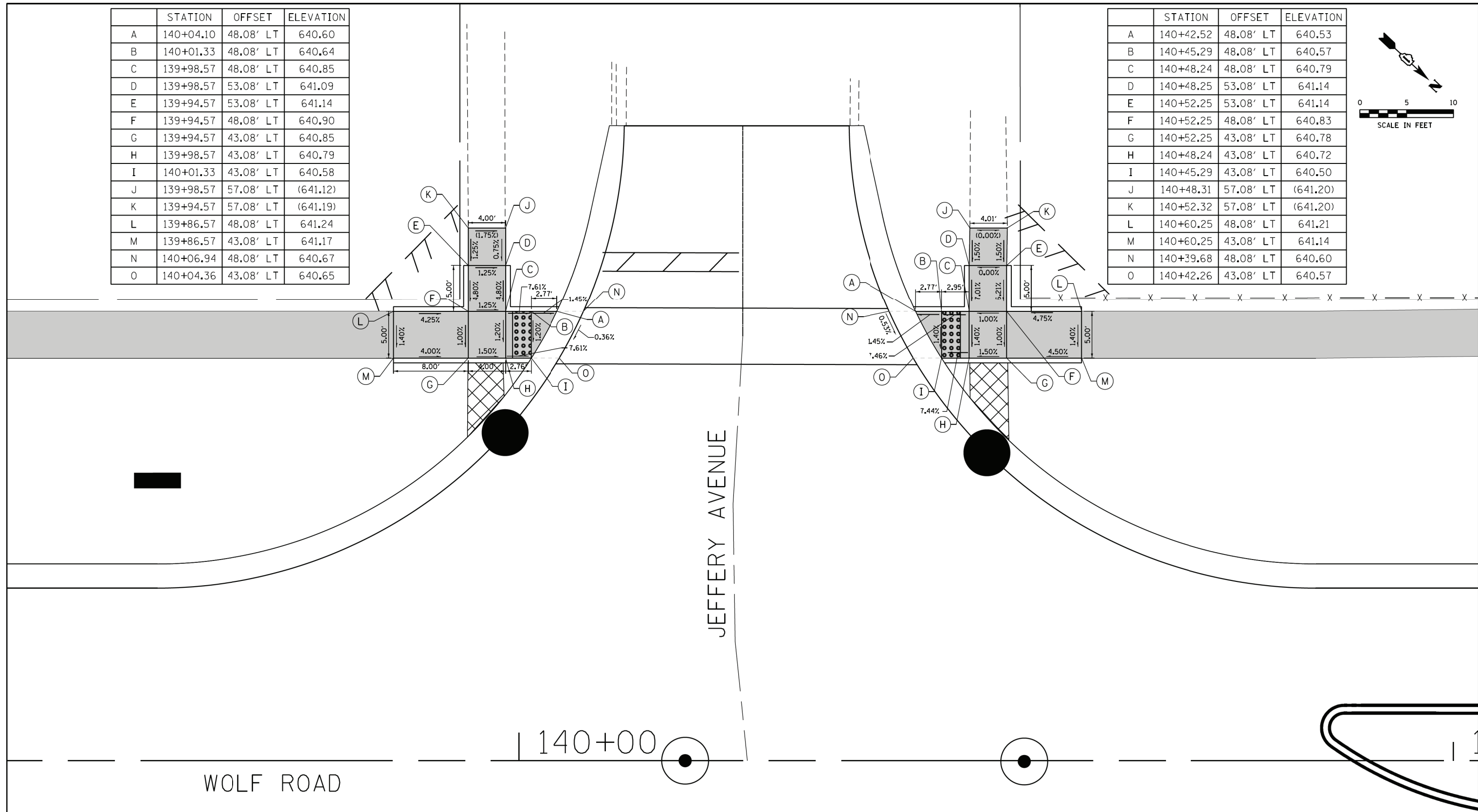
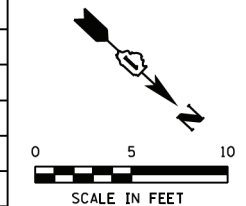
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	245

CONTRACT NO. 60T05

ILLINOIS FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	140+04.10	48.08' LT	640.60
B	140+01.33	48.08' LT	640.64
C	139+98.57	48.08' LT	640.85
D	139+98.57	53.08' LT	641.09
E	139+94.57	53.08' LT	641.14
F	139+94.57	48.08' LT	640.90
G	139+94.57	43.08' LT	640.85
H	139+98.57	43.08' LT	640.79
I	140+01.33	43.08' LT	640.58
J	139+98.57	57.08' LT	(641.12)
K	139+94.57	57.08' LT	(641.19)
L	139+86.57	48.08' LT	641.24
M	139+86.57	43.08' LT	641.17
N	140+06.94	48.08' LT	640.67
O	140+04.36	43.08' LT	640.65

	STATION	OFFSET	ELEVATION
A	140+42.52	48.08' LT	640.53
B	140+45.29	48.08' LT	640.57
C	140+48.24	48.08' LT	640.79
D	140+48.25	53.08' LT	641.14
E	140+52.25	53.08' LT	641.14
F	140+52.25	48.08' LT	640.83
G	140+52.25	43.08' LT	640.78
H	140+48.24	43.08' LT	640.72
I	140+45.29	43.08' LT	640.50
J	140+48.31	57.08' LT	(641.20)
K	140+52.32	57.08' LT	(641.20)
L	140+60.25	48.08' LT	641.21
M	140+60.25	43.08' LT	641.14
N	140+39.68	48.08' LT	640.60
O	140+42.26	43.08' LT	640.57



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W Wolf Road\CAAD\CAAD Sheets\0160T05-shr-ada-Wolf at Jeffery.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ada-Wolf at Jeffery.dgn	DRAWN - LRD	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=5'		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.
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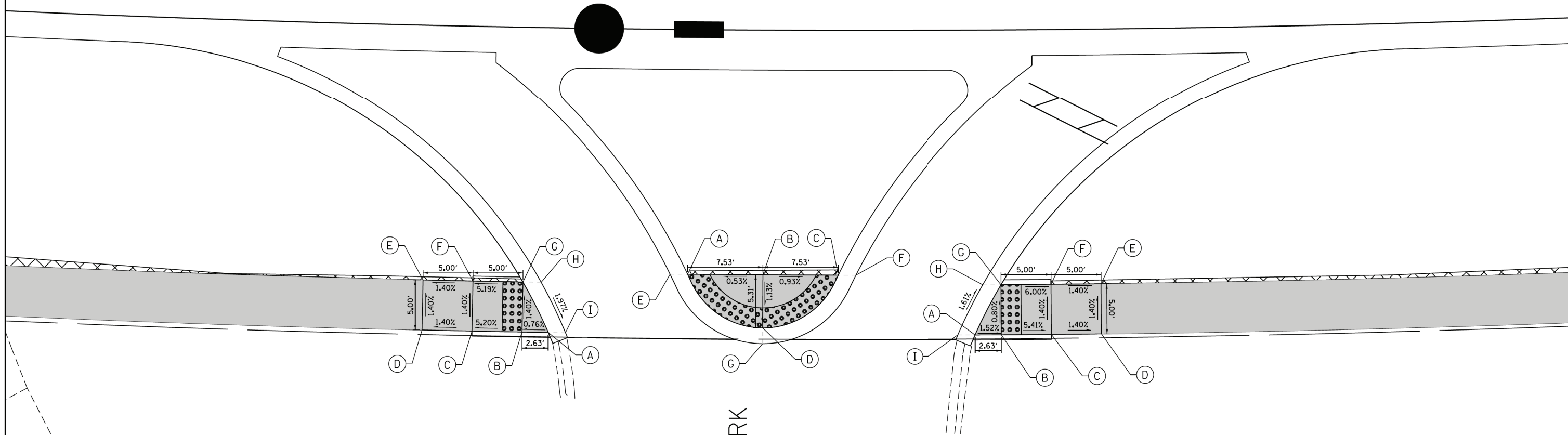
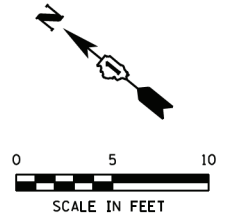
ADA RAMP DETAILS
JEFFERY AVE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	246
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

143

142

WOLF ROAD



HERITAGE PARK
ENTRANCE

	STATION	OFFSET	ELEVATION
A	142+70.58	49.08' LT	642.83
B	142+73.14	49.08' LT	642.81
C	142+78.01	49.08' LT	642.55
D	142+82.89	49.08' LT	642.48
E	142+82.91	44.08' LT	642.41
F	142+78.03	44.08' LT	642.48
G	142+73.14	44.08' LT	642.74
H	142+71.35	44.08' LT	642.77
I	142+68.89	49.08' LT	642.88

	STATION	OFFSET	ELEVATION
A	142+56.99	43.08' LT	643.09
B	142+49.62	43.08' LT	643.13
C	142+42.26	43.08' LT	643.06
D	142+49.62	48.38' LT	643.19
E	142+58.71	43.09' LT	643.06
F	142+40.54	43.08' LT	643.07
G	142+49.62	49.96' LT	643.22

	STATION	OFFSET	ELEVATION
A	142+28.82	49.08' LT	642.86
B	142+26.26	49.08' LT	642.82
C	142+21.39	49.08' LT	642.55
D	142+16.51	49.08' LT	642.48
E	142+16.49	44.08' LT	642.41
F	142+21.37	44.08' LT	642.48
G	142+26.26	44.08' LT	642.78
H	142+28.05	44.08' LT	642.81
I	142+30.51	49.08' LT	642.90

LEGEND

- (xx.xx')
- EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-Wolf at Heritage Park.dgn
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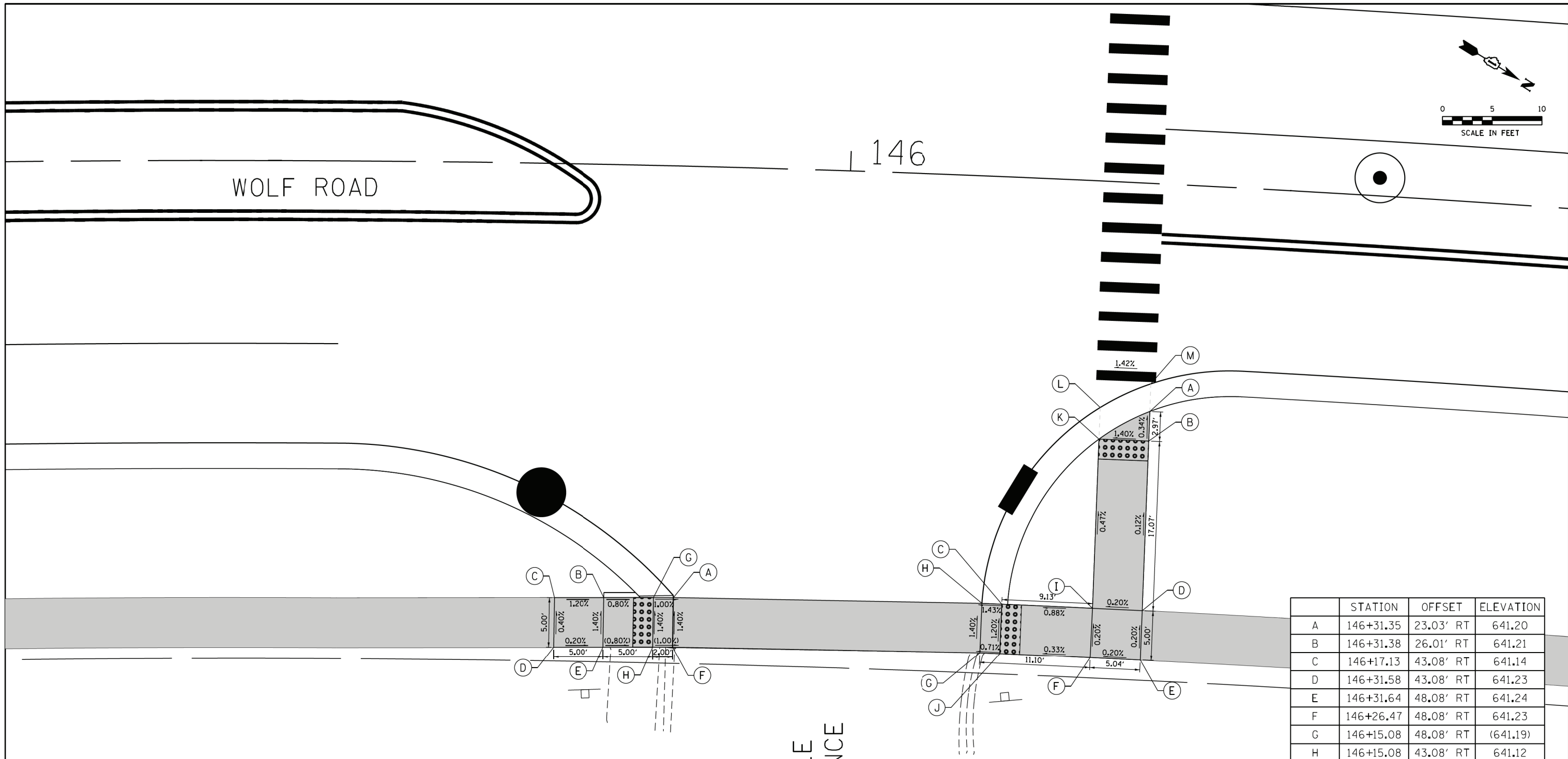
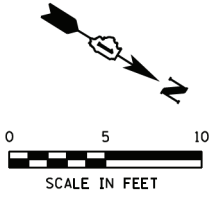
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PLOT SCALE = 10.0000' / 1"	CHECKED - EJB	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
HERITAGE PARK ENTRANCE

SCALE: 1"=5' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	247
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	145+83.24	43.53' RT	641.11
B	145+76.08	43.68' RT	641.17
C	145+70.96	43.78' RT	641.23
D	145+70.96	48.78' RT	641.25
E	145+76.09	48.68' RT	641.24
F	145+83.28	48.53' RT	(641.18)
G	145+81.19	43.56' RT	641.13
H	145+81.22	48.56' RT	(641.20)

	STATION	OFFSET	ELEVATION
A	146+31.35	23.03' RT	641.20
B	146+31.38	26.01' RT	641.21
C	146+17.13	43.08' RT	641.14
D	146+31.58	43.08' RT	641.23
E	146+31.64	48.08' RT	641.24
F	146+26.47	48.08' RT	641.23
G	146+15.08	48.08' RT	(641.19)
H	146+15.08	43.08' RT	641.12
I	146+26.47	43.08' RT	641.22
J	146+17.13	48.08' RT	641.20
K	146+26.31	26.06' RT	641.14
L	146+26.29	22.87' RT	641.18
M	146+31.32	20.25' RT	641.26

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160T05-shr-ada-wolf et Holmes Middle School.dgn
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 PLOT DATE = 1/7/2020



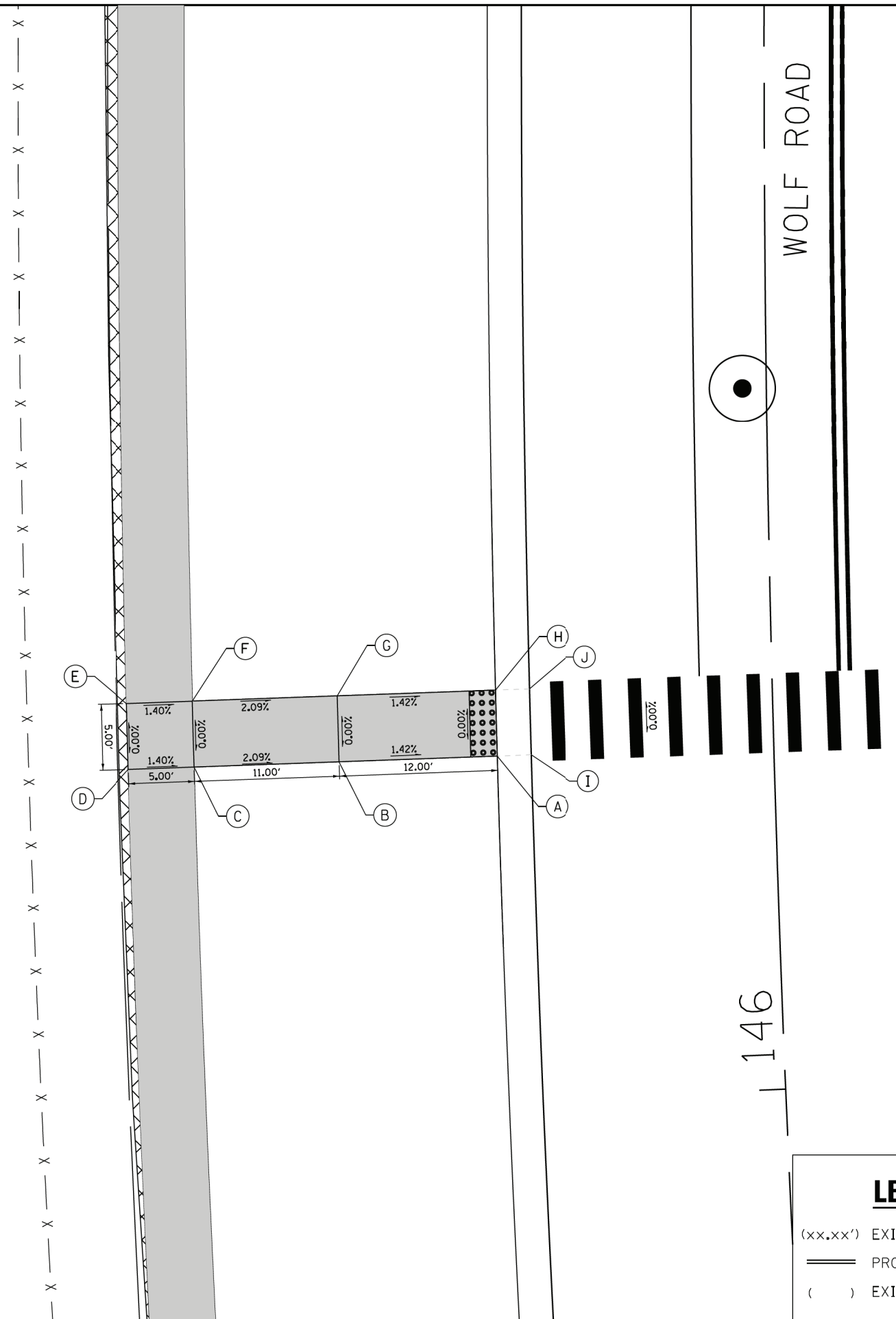
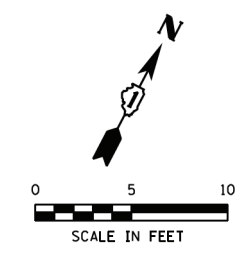
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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
HOLMES MIDDLE SCHOOL ENTRANCE	
SCALE: 1"=5'	SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	248
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	146+25.91	21.08' LT	641.11
B	146+25.81	33.08' LT	641.28
C	146+25.72	44.08' LT	641.51
D	146+25.68	49.08' LT	641.58
E	146+30.55	49.08' LT	641.58
F	146+30.61	44.08' LT	641.51
G	146+30.73	33.08' LT	641.28
H	146+30.86	21.08' LT	641.11
I	146+25.91	18.50' LT	641.17
J	146+30.86	18.50' LT	641.17



LEGEND

- (xx.xx') EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAAD\CAAD Sheets\0160T05-shr-ada-Wolf at Holmes Middle School 2.dgn
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 PLOT DRIVER = IDDT_PDF.plt



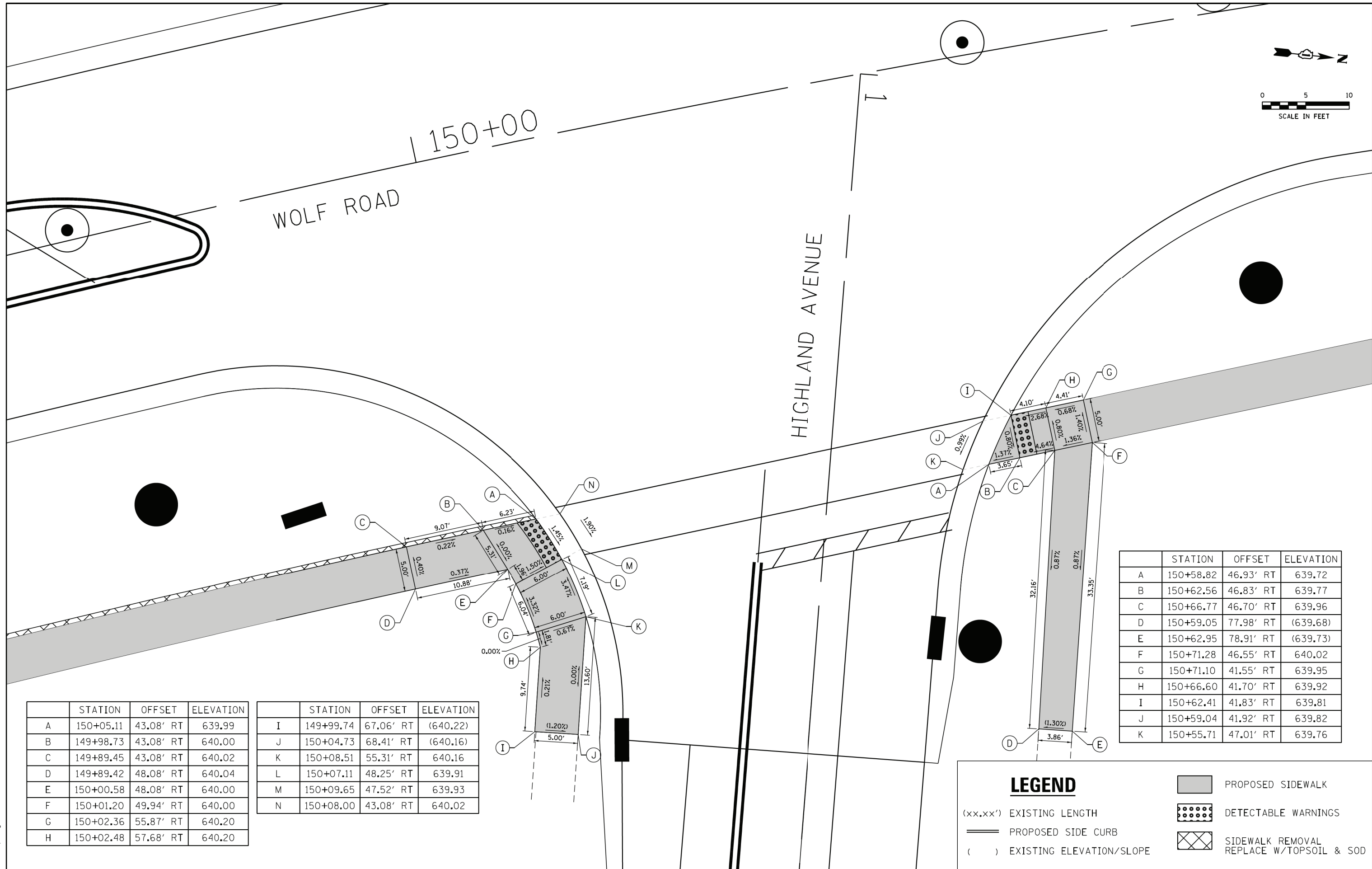
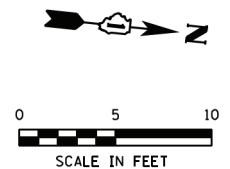
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PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
HOLMES MIDDLE SCHOOL ENTRANCE**

SCALE: 1"=5' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	249
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	150+05.11	43.08' RT	639.99
B	149+98.73	43.08' RT	640.00
C	149+89.45	43.08' RT	640.02
D	149+89.42	48.08' RT	640.04
E	150+00.58	48.08' RT	640.00
F	150+01.20	49.94' RT	640.00
G	150+02.36	55.87' RT	640.20
H	150+02.48	57.68' RT	640.20

	STATION	OFFSET	ELEVATION
I	149+99.74	67.06' RT	(640.22)
J	150+04.73	68.41' RT	(640.16)
K	150+08.51	55.31' RT	640.16
L	150+07.11	48.25' RT	639.91
M	150+09.65	47.52' RT	639.93
N	150+08.00	43.08' RT	640.02

	STATION	OFFSET	ELEVATION
A	150+58.82	46.93' RT	639.72
B	150+62.56	46.83' RT	639.77
C	150+66.77	46.70' RT	639.96
D	150+59.05	77.98' RT	(639.68)
E	150+62.95	78.91' RT	(639.73)
F	150+71.28	46.55' RT	640.02
G	150+71.10	41.55' RT	639.95
H	150+66.60	41.70' RT	639.92
I	150+62.41	41.83' RT	639.81
J	150+59.04	41.92' RT	639.82
K	150+55.71	47.01' RT	639.76

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160T05-shr-ada-wolf at Highland.dgn
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 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ada-wolf at Highland	DRAWN - SDM	REVISED -
PLOT SCALE = 10,0000 / 1in	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

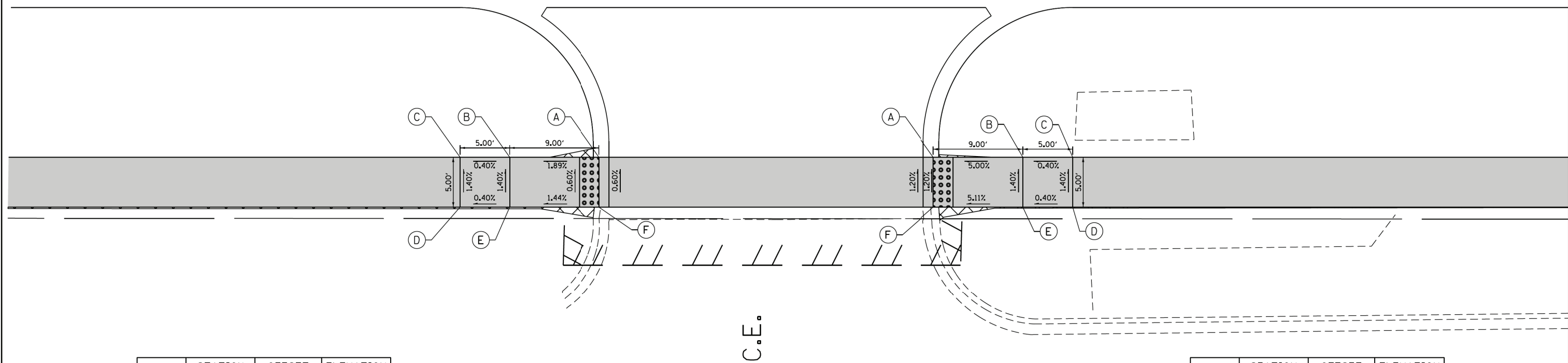
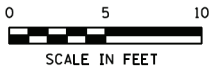
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMP DETAILS	
HIGHLAND AVE	
SCALE: 1"=5'	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	250
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

WOLF ROAD

162



	STATION	OFFSET	ELEVATION
A	161+95.81	43.58' RT	646.15
B	161+86.81	43.58' RT	645.98
C	161+81.81	43.58' RT	645.96
D	161+81.81	48.58' RT	646.03
E	161+86.81	48.58' RT	646.05
F	161+95.81	48.58' RT	646.18

	STATION	OFFSET	ELEVATION
A	162+29.43	43.58' RT	646.98
B	162+38.43	43.58' RT	647.43
C	162+43.43	43.58' RT	647.45
D	162+43.43	48.58' RT	647.52
E	162+38.43	48.58' RT	647.50
F	162+29.43	48.58' RT	647.04

LEGEND

- (xx.xx') EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-Wolf at BP Gas Station.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = 0160T05-shr-ada-Wolf at BP Gas Station.dgn	DRAWN - SDM	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
BP GAS STATION ENTRANCE

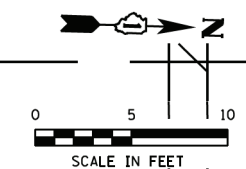
SCALE: 1"=5'

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	251
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

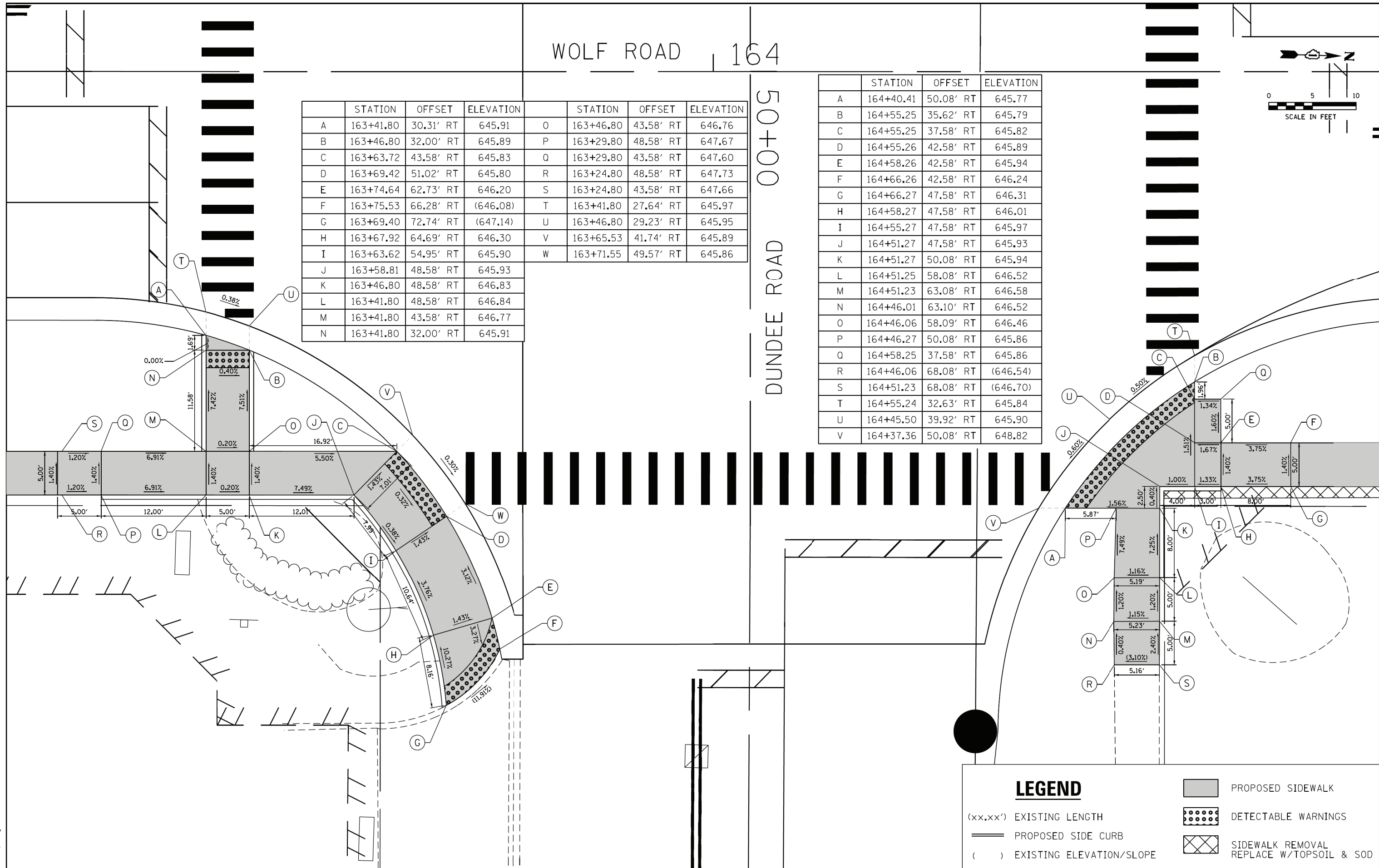
WOLF ROAD 164

DUNDEE ROAD 00+05



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	163+41.80	30.31' RT	645.91	O	163+46.80	43.58' RT	646.76
B	163+46.80	32.00' RT	645.89	P	163+29.80	48.58' RT	647.67
C	163+63.72	43.58' RT	645.83	Q	163+29.80	43.58' RT	647.60
D	163+69.42	51.02' RT	645.80	R	163+24.80	48.58' RT	647.73
E	163+74.64	62.73' RT	646.20	S	163+24.80	43.58' RT	647.66
F	163+75.53	66.28' RT	(646.08)	T	163+41.80	27.64' RT	645.97
G	163+69.40	72.74' RT	(647.14)	U	163+46.80	29.23' RT	645.95
H	163+67.92	64.69' RT	646.30	V	163+65.53	41.74' RT	645.89
I	163+63.62	54.95' RT	645.90	W	163+71.55	49.57' RT	645.86
J	163+58.81	48.58' RT	645.93				
K	163+46.80	48.58' RT	646.83				
L	163+41.80	48.58' RT	646.84				
M	163+41.80	43.58' RT	646.77				
N	163+41.80	32.00' RT	645.91				

	STATION	OFFSET	ELEVATION
A	164+40.41	50.08' RT	645.77
B	164+55.25	35.62' RT	645.79
C	164+55.25	37.58' RT	645.82
D	164+55.26	42.58' RT	645.89
E	164+58.26	42.58' RT	645.94
F	164+66.26	42.58' RT	646.24
G	164+66.27	47.58' RT	646.31
H	164+58.27	47.58' RT	646.01
I	164+55.27	47.58' RT	645.97
J	164+51.27	47.58' RT	645.93
K	164+51.27	50.08' RT	645.94
L	164+51.25	58.08' RT	646.52
M	164+51.23	63.08' RT	646.58
N	164+46.01	63.10' RT	646.52
O	164+46.06	58.09' RT	646.46
P	164+46.27	50.08' RT	645.86
Q	164+58.25	37.58' RT	645.86
R	164+46.06	68.08' RT	(646.54)
S	164+51.23	68.08' RT	(646.70)
T	164+55.24	32.63' RT	645.84
U	164+45.50	39.92' RT	645.90
V	164+37.36	50.08' RT	648.82



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160705-shr-ada-Wolf at Dundee.dgn
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USER NAME = smaxwell	DESIGNED - EJB	REVISED -
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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
DUNDEE RD	
SCALE: 1"=5'	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

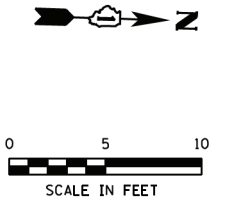
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	252
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	163+41.30	35.18' LT	645.65
B	163+47.32	39.40' LT	645.62
C	163+58.95	53.57' LT	645.59
D	163+61.27	58.58' LT	645.55
E	163+58.70	58.58' LT	645.59
F	163+58.66	66.73' LT	646.17
G	163+58.64	71.73' LT	646.20
H	163+53.64	71.70' LT	646.26
I	163+53.66	66.70' LT	646.24
J	163+53.70	58.70' LT	645.65
K	163+50.92	53.77' LT	645.68
L	163+47.32	49.08' LT	646.05
M	163+41.30	49.08' LT	646.08
N	163+41.30	44.08' LT	646.04
O	163+41.30	39.40' LT	645.69
P	163+47.32	44.08' LT	645.97

	STATION	OFFSET	ELEVATION
Q	163+49.48	44.08' LT	645.95
R	163+56.69	53.63' LT	645.62
S	163+64.03	58.58' LT	645.60
T	163+61.82	53.50' LT	645.61
U	163+47.32	36.11' LT	645.69
V	163+41.30	32.21' LT	645.71

	STATION	OFFSET	ELEVATION
A	164+35.82	62.12' LT	645.75
B	164+37.67	57.10' LT	645.71
C	164+46.05	57.02' LT	646.01
D	164+45.96	48.13' LT	645.95
E	164+50.10	43.58' LT	645.85
F	164+50.11	40.17' LT	645.59
G	164+55.11	36.38' LT	645.55
H	164+55.11	40.18' LT	645.58
I	164+55.10	43.58' LT	645.84
J	164+65.10	43.58' LT	646.61
K	164+70.10	43.58' LT	646.68
L	164+70.09	48.58' LT	646.73
M	164+65.09	48.58' LT	646.68
N	164+55.09	48.58' LT	645.90
O	164+52.31	48.58' LT	645.94
P	164+50.98	50.04' LT	645.96
Q	164+51.05	56.97' LT	646.02

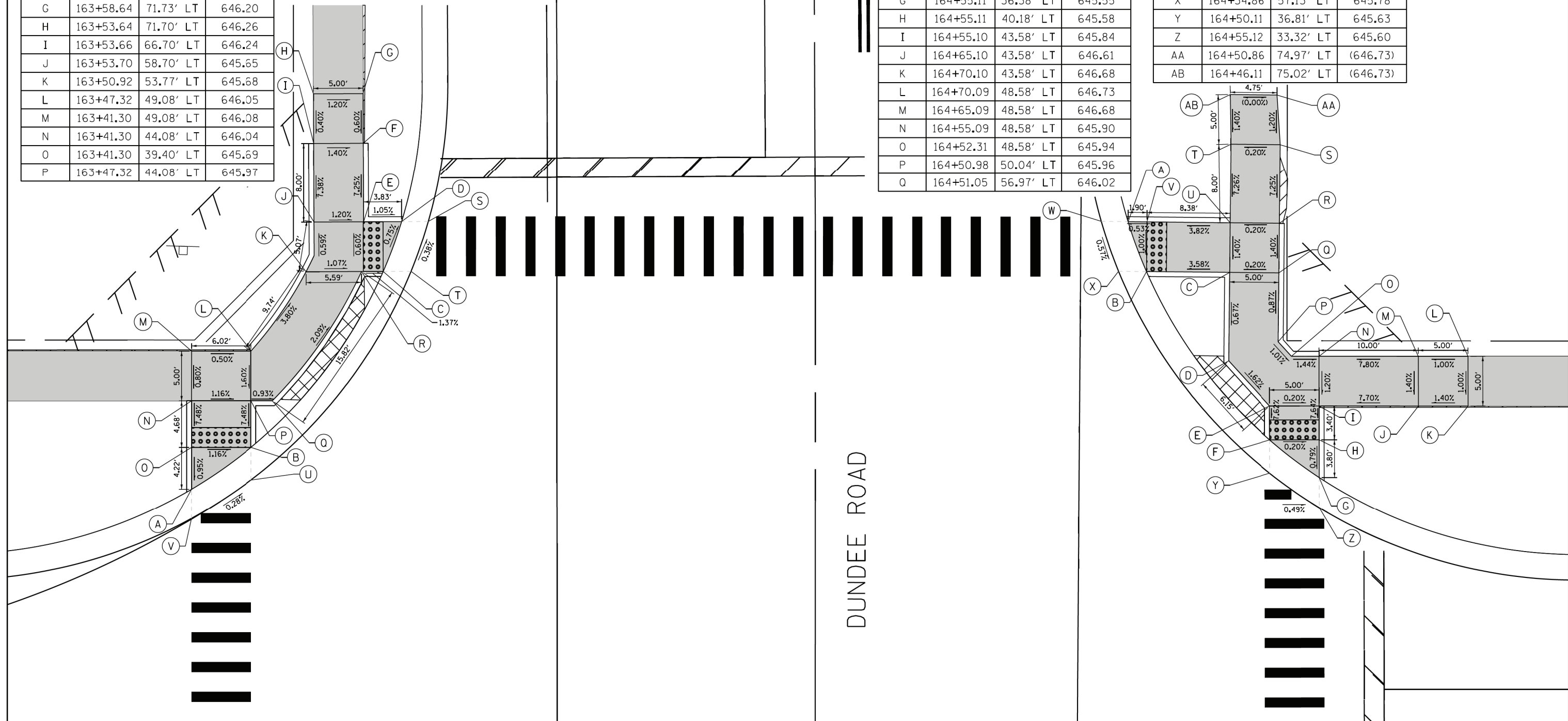
	STATION	OFFSET	ELEVATION
R	164+51.10	61.97' LT	646.09
S	164+51.18	69.97' LT	646.67
T	164+46.18	70.02' LT	646.66
U	164+46.10	62.02' LT	646.08
V	164+37.72	62.10' LT	645.76
W	164+37.72	62.10' LT	645.81
X	164+34.86	57.13' LT	645.78
Y	164+50.11	36.81' LT	645.63
Z	164+55.12	33.32' LT	645.60
AA	164+50.86	74.97' LT	(646.73)
AB	164+46.11	75.02' LT	(646.73)



49

DUNDEE ROAD

WOLF ROAD 164



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\JOBS\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-wolf at Dundee 2.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - EJB	REVISED -
FILE NAME = 0160T05-shr-ada-wolf at Dundee	DRAWN - LRD	REVISED -
PLOT SCALE = 10.0000 / 1 in.	CHECKED - SDM	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

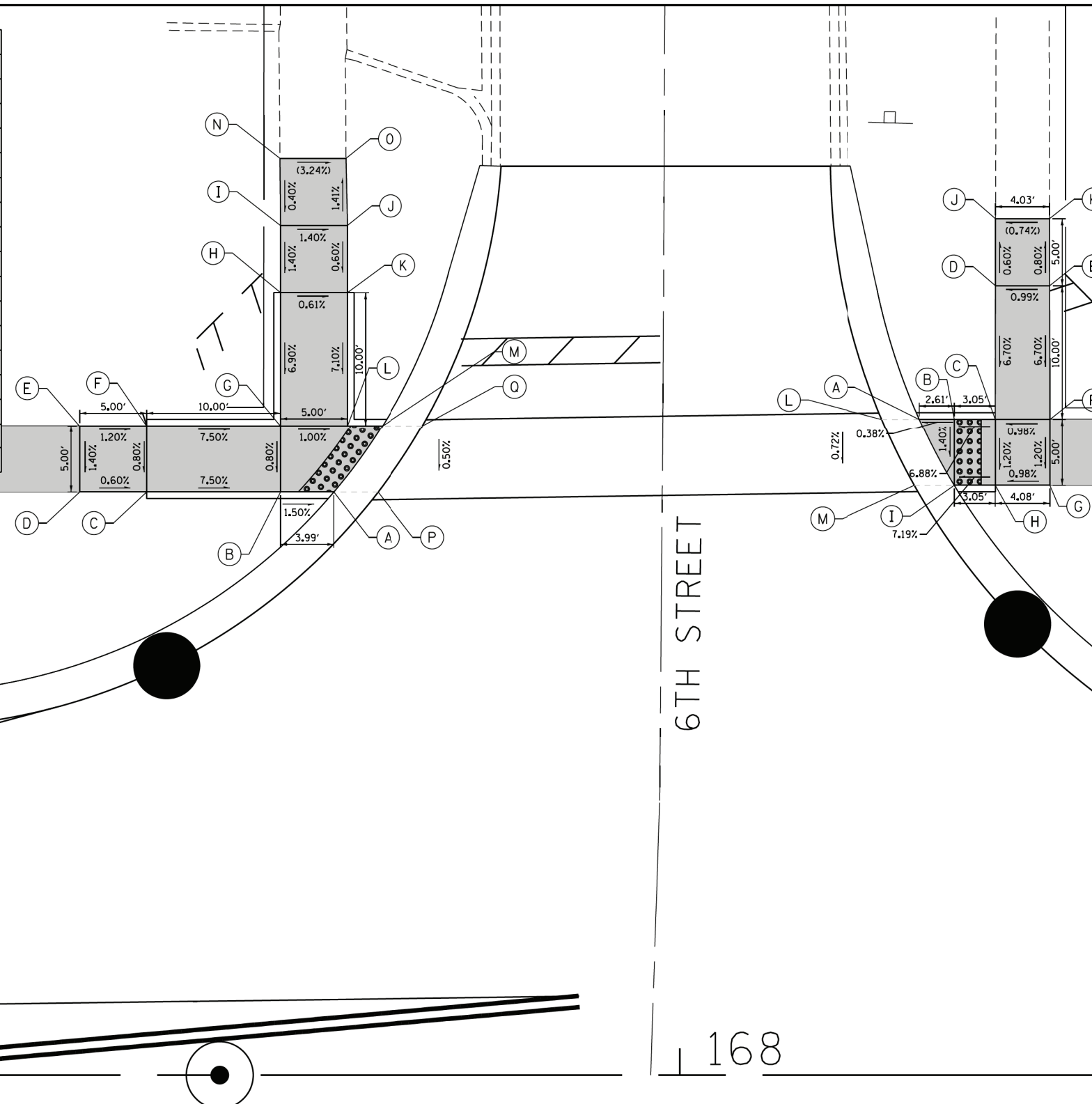
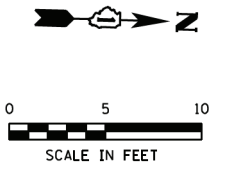
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
DUNDEE RD
SCALE: 1"=5'

F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 253
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	167+74.11	43.58' LT	644.98
B	167+70.13	43.58' LT	645.04
C	167+60.13	43.58' LT	645.79
D	167+55.13	43.58' LT	645.82
E	167+55.13	48.58' LT	645.89
F	167+60.13	48.58' LT	645.83
G	167+70.13	48.58' LT	645.08
H	167+70.18	58.58' LT	645.77
I	167+70.13	63.58' LT	645.84
J	167+75.13	63.61' LT	645.77
K	167+75.13	58.58' LT	645.74
L	167+75.13	48.58' LT	645.03
M	167+77.76	48.58' LT	645.01
N	167+70.09	68.58' LT	(645.86)
O	167+75.03	68.58' LT	(645.70)
P	167+77.43	43.58' LT	645.05
Q	167+80.76	48.58' LT	645.08

	STATION	OFFSET	ELEVATION
A	168+17.96	49.08' LT	644.98
B	168+20.58	49.08' LT	644.99
C	168+23.63	49.08' LT	645.20
D	168+23.64	59.08' LT	645.87
E	168+27.69	59.08' LT	645.91
F	168+27.71	49.08' LT	645.24
G	168+27.71	44.08' LT	645.18
H	168+23.63	44.08' LT	645.14
I	168+20.58	44.08' LT	644.92
J	168+23.65	64.08' LT	(645.84)
K	168+27.68	64.08' LT	(645.87)
L	168+15.15	49.08' LT	645.05
M	168+17.59	44.08' LT	645.01



6TH STREET

168

WOLF ROAD

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-Wolf at 6th Street.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ada-Wolf at 6th Street.dgn	DRAWN - SDM	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

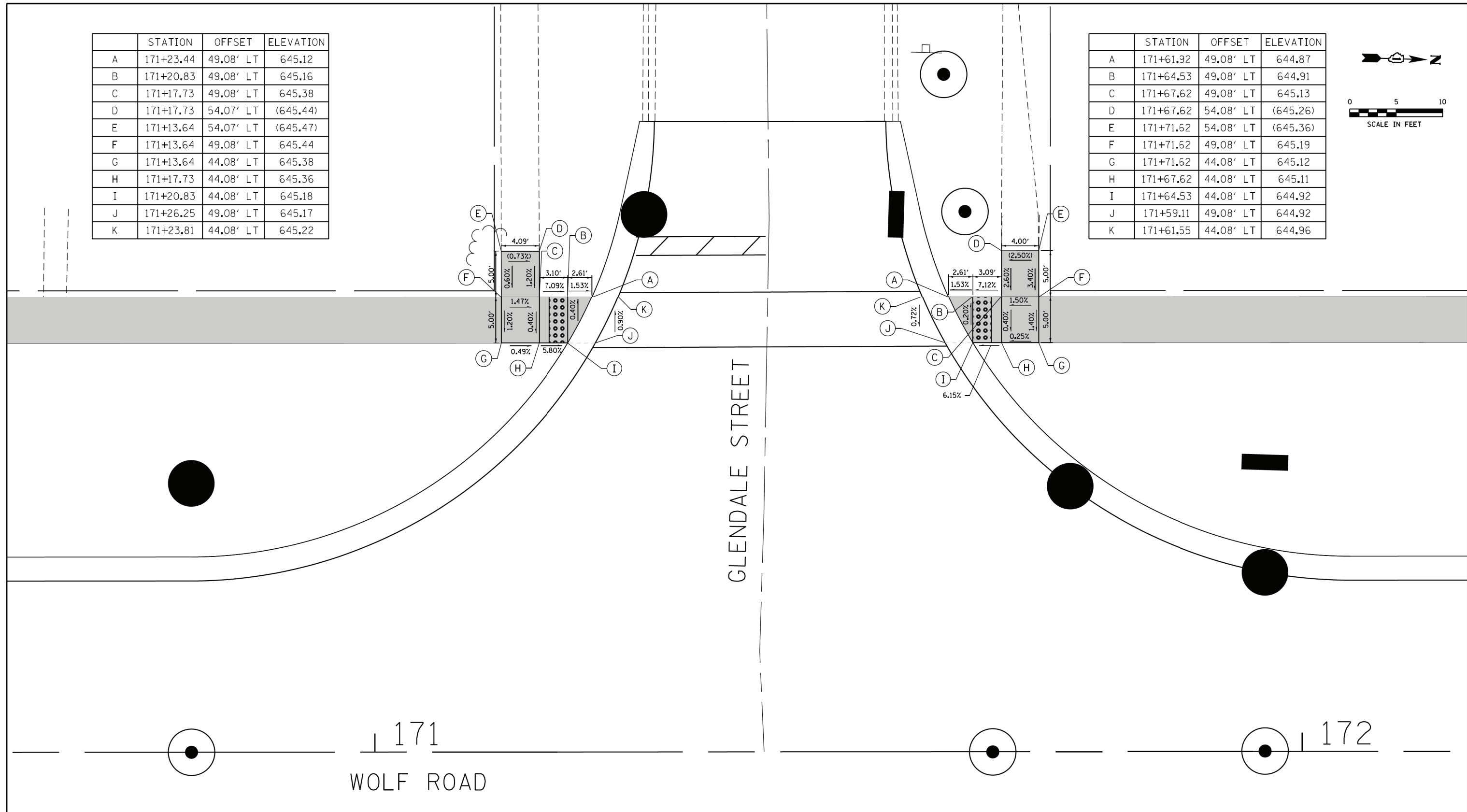
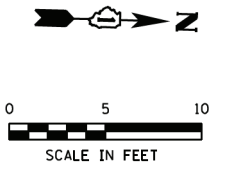
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
6TH ST	
SCALE: 1"=5'	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	254
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	171+23.44	49.08' LT	645.12
B	171+20.83	49.08' LT	645.16
C	171+17.73	49.08' LT	645.38
D	171+17.73	54.07' LT	(645.44)
E	171+13.64	54.07' LT	(645.47)
F	171+13.64	49.08' LT	645.44
G	171+13.64	44.08' LT	645.38
H	171+17.73	44.08' LT	645.36
I	171+20.83	44.08' LT	645.18
J	171+26.25	49.08' LT	645.17
K	171+23.81	44.08' LT	645.22

	STATION	OFFSET	ELEVATION
A	171+61.92	49.08' LT	644.87
B	171+64.53	49.08' LT	644.91
C	171+67.62	49.08' LT	645.13
D	171+67.62	54.08' LT	(645.26)
E	171+71.52	54.08' LT	(645.36)
F	171+71.52	49.08' LT	645.19
G	171+71.52	44.08' LT	645.12
H	171+67.62	44.08' LT	645.11
I	171+64.53	44.08' LT	644.92
J	171+59.11	49.08' LT	644.92
K	171+61.55	44.08' LT	644.96



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAAD\CAAD Sheets\0160T05-shr-ada-Wolf at Glendale.dgn
 MODEL DRIVER = IDOT_PDF.plt

	USER NAME = smaxwell	DESIGNED - NLS	REVISED -
	FILE NAME = D:\60T05-shr-ada-Wolf at Glendale	DRAWN - LRD	REVISED -
	PLOT SCALE = 10.0000 / 1 in.	CHECKED - MCV	REVISED -
	PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

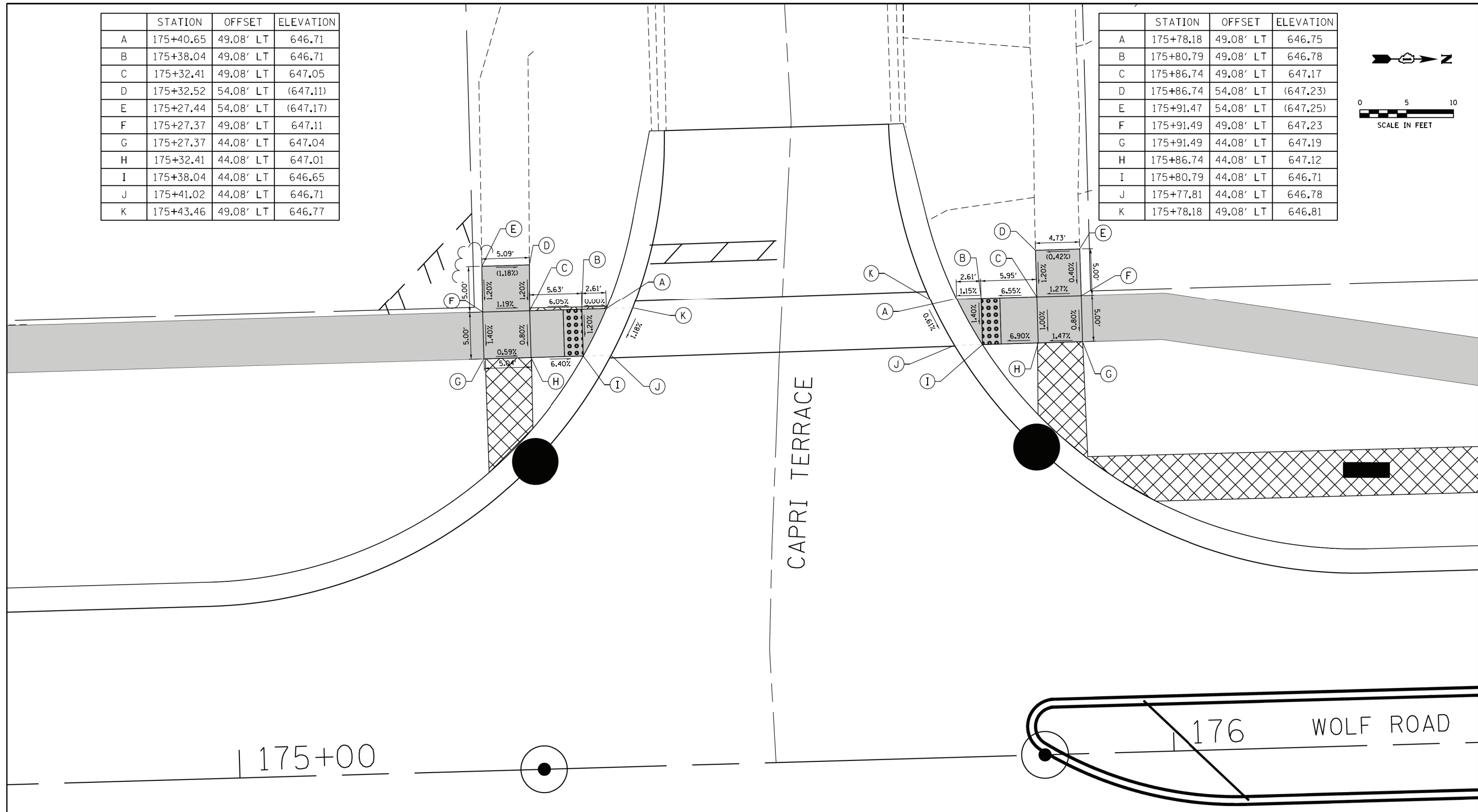
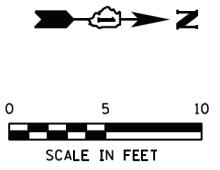
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMP DETAILS GLENDALE ST	
SCALE: 1"=5'	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	255
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	175+40.65	49.08' LT	646.71
B	175+38.04	49.08' LT	646.71
C	175+32.41	49.08' LT	647.05
D	175+32.52	54.08' LT	(647.11)
E	175+27.44	54.08' LT	(647.17)
F	175+27.37	49.08' LT	647.11
G	175+27.37	44.08' LT	647.04
H	175+32.41	44.08' LT	647.01
I	175+38.04	44.08' LT	646.65
J	175+41.02	44.08' LT	646.71
K	175+43.46	49.08' LT	646.77

	STATION	OFFSET	ELEVATION
A	175+78.18	49.08' LT	646.75
B	175+80.79	49.08' LT	646.78
C	175+86.74	49.08' LT	647.17
D	175+86.74	54.08' LT	(647.23)
E	175+91.47	54.08' LT	(647.25)
F	175+91.49	49.08' LT	647.23
G	175+91.49	44.08' LT	647.19
H	175+86.74	44.08' LT	647.12
I	175+80.79	44.08' LT	646.71
J	175+77.81	44.08' LT	646.78
K	175+78.18	49.08' LT	646.81



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\JOBS\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-wolf at Capri.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ada-wolf at Capri.dgn	DRAWN - LRD	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - EJB	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
CAPRI TERR	
SCALE: 1"=5'	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	256
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

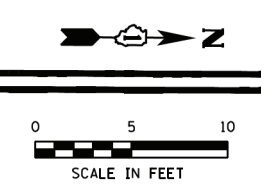
180+00

181

WOLF ROAD

STRONG AVENUE

00+00



	STATION	OFFSET	ELEVATION
A	180+17.66	25.45' RT	648.41
B	180+22.41	27.97' RT	648.33
C	180+20.82	30.52' RT	648.51
D	180+28.09	35.99' RT	648.20
E	180+34.09	42.82' RT	647.89
F	180+36.54	41.08' RT	647.74
G	180+39.54	45.86' RT	647.67
H	180+36.90	47.30' RT	647.89
I	180+37.79	49.02' RT	647.89
J	180+37.56	60.26' RT	648.64
K	180+37.32	65.26' RT	(648.66)
L	180+32.45	65.16' RT	(648.78)
M	180+32.54	60.16' RT	648.71
N	180+32.75	50.16' RT	647.96
O	180+32.49	49.69' RT	647.96
P	180+30.00	45.71' RT	647.92
Q	180+24.68	39.65' RT	648.21
R	180+18.17	34.76' RT	648.54
S	180+14.31	32.71' RT	648.60
T	180+09.64	30.91' RT	648.84
U	180+11.14	26.14' RT	648.83
V	180+16.40	28.17' RT	648.55
W	180+18.74	23.11' RT	648.39
X	180+23.75	25.76' RT	648.31
Y	180+38.65	39.59' RT	647.72
Z	180+41.81	44.62' RT	647.64

	STATION	OFFSET	ELEVATION
A	180+89.25	46.30' RT	647.64
B	180+92.13	41.58' RT	647.70
C	180+94.61	43.29' RT	647.85
D	181+01.64	35.35' RT	647.96
E	181+10.24	29.36' RT	648.08
F	181+08.93	26.66' RT	647.93
G	181+13.68	24.46' RT	647.98
H	181+14.91	27.20' RT	648.15
I	181+20.15	25.49' RT	648.42
J	181+21.41	30.34' RT	648.43
K	181+16.95	31.77' RT	648.20
L	181+12.41	33.87' RT	648.13
M	181+04.97	39.09' RT	647.99
N	180+98.97	45.79' RT	647.86
O	180+96.73	50.26' RT	647.84
P	180+96.65	59.32' RT	648.49
Q	180+96.60	64.32' RT	(648.56)
R	180+91.76	64.27' RT	(648.36)
S	180+91.63	55.27' RT	648.42
T	180+91.91	47.71' RT	647.79
U	180+86.97	45.09' RT	647.64
V	180+90.01	40.11' RT	647.70
W	181+07.72	24.38' RT	647.93
X	181+12.73	22.06' RT	647.98

LEGEND

- (xx.xx')
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\JOB5\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-wolf at Strong Street.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - EJB	REVISED -
FILE NAME = D:\0160T05-shr-ada-wolf at Strong Street.dgn	DRAWN - EJB	REVISED -
PLOT SCALE = 10.0000 / 1 in.	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
STRONG AVE

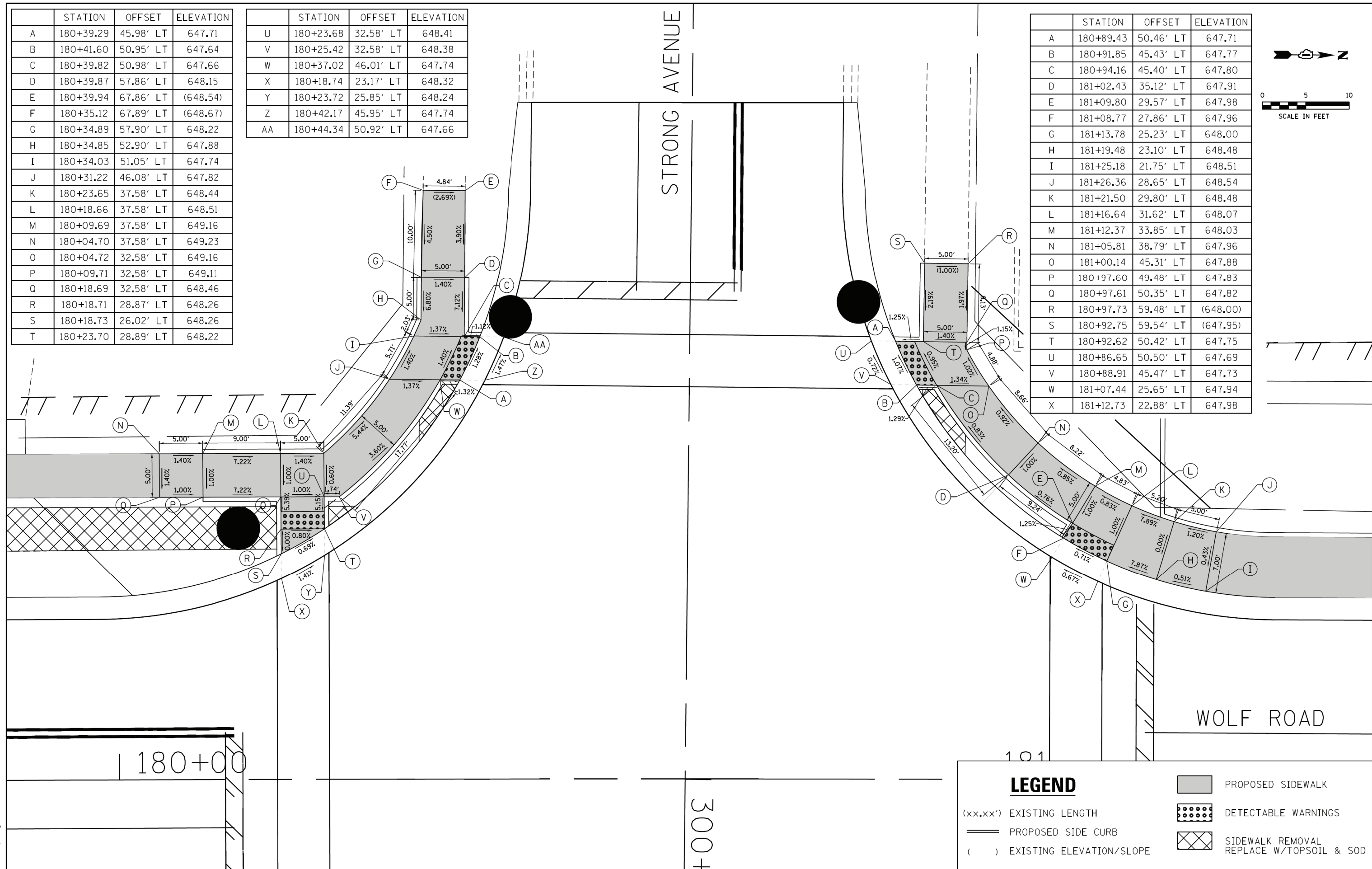
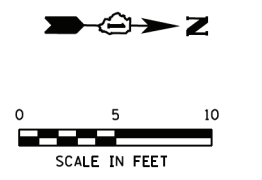
SCALE: 1"=5' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	257
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	180+39.29	45.98' LT	647.71
B	180+41.60	50.95' LT	647.64
C	180+39.82	50.98' LT	647.66
D	180+39.87	57.86' LT	648.15
E	180+39.94	67.86' LT	(648.54)
F	180+35.12	67.89' LT	(648.67)
G	180+34.89	57.90' LT	648.22
H	180+34.85	52.90' LT	647.88
I	180+34.03	51.05' LT	647.74
J	180+31.22	46.08' LT	647.82
K	180+23.65	37.58' LT	648.44
L	180+18.66	37.58' LT	648.51
M	180+09.69	37.58' LT	649.16
N	180+04.70	37.58' LT	649.23
O	180+04.72	32.58' LT	649.16
P	180+09.71	32.58' LT	649.11
Q	180+18.69	32.58' LT	648.46
R	180+18.71	28.87' LT	648.26
S	180+18.73	26.02' LT	648.26
T	180+23.70	28.89' LT	648.22

	STATION	OFFSET	ELEVATION
U	180+23.68	32.58' LT	648.41
V	180+25.42	32.58' LT	648.38
W	180+37.02	46.01' LT	647.74
X	180+18.74	23.17' LT	648.32
Y	180+23.72	25.85' LT	648.24
Z	180+42.17	45.95' LT	647.74
AA	180+44.34	50.92' LT	647.66

	STATION	OFFSET	ELEVATION
A	180+89.43	50.46' LT	647.71
B	180+91.85	45.43' LT	647.77
C	180+94.16	45.40' LT	647.80
D	181+02.43	35.12' LT	647.91
E	181+09.80	29.57' LT	647.98
F	181+08.77	27.86' LT	647.96
G	181+13.78	25.23' LT	648.00
H	181+19.48	23.10' LT	648.48
I	181+25.18	21.75' LT	648.51
J	181+26.36	28.65' LT	648.54
K	181+21.50	29.80' LT	648.48
L	181+16.64	31.62' LT	648.07
M	181+12.37	33.85' LT	648.03
N	181+05.81	38.79' LT	647.96
O	181+00.14	45.31' LT	647.88
P	180+97.60	49.48' LT	647.83
Q	180+97.61	50.35' LT	647.82
R	180+97.73	59.48' LT	(648.00)
S	180+92.75	59.54' LT	(647.95)
T	180+92.62	50.42' LT	647.75
U	180+86.65	50.50' LT	647.69
V	180+88.91	45.47' LT	647.73
W	181+07.44	25.65' LT	647.94
X	181+12.73	22.88' LT	647.98



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\JOBS\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-Wolf at Strong Street 2.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - EJB	REVISED -
FILE NAME = 0160T05-shr-ada-Wolf at Strong Street 2.dgn	DRAWN - EJB	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 1/9/2020	DATE - 1/9/2020	REVISED -

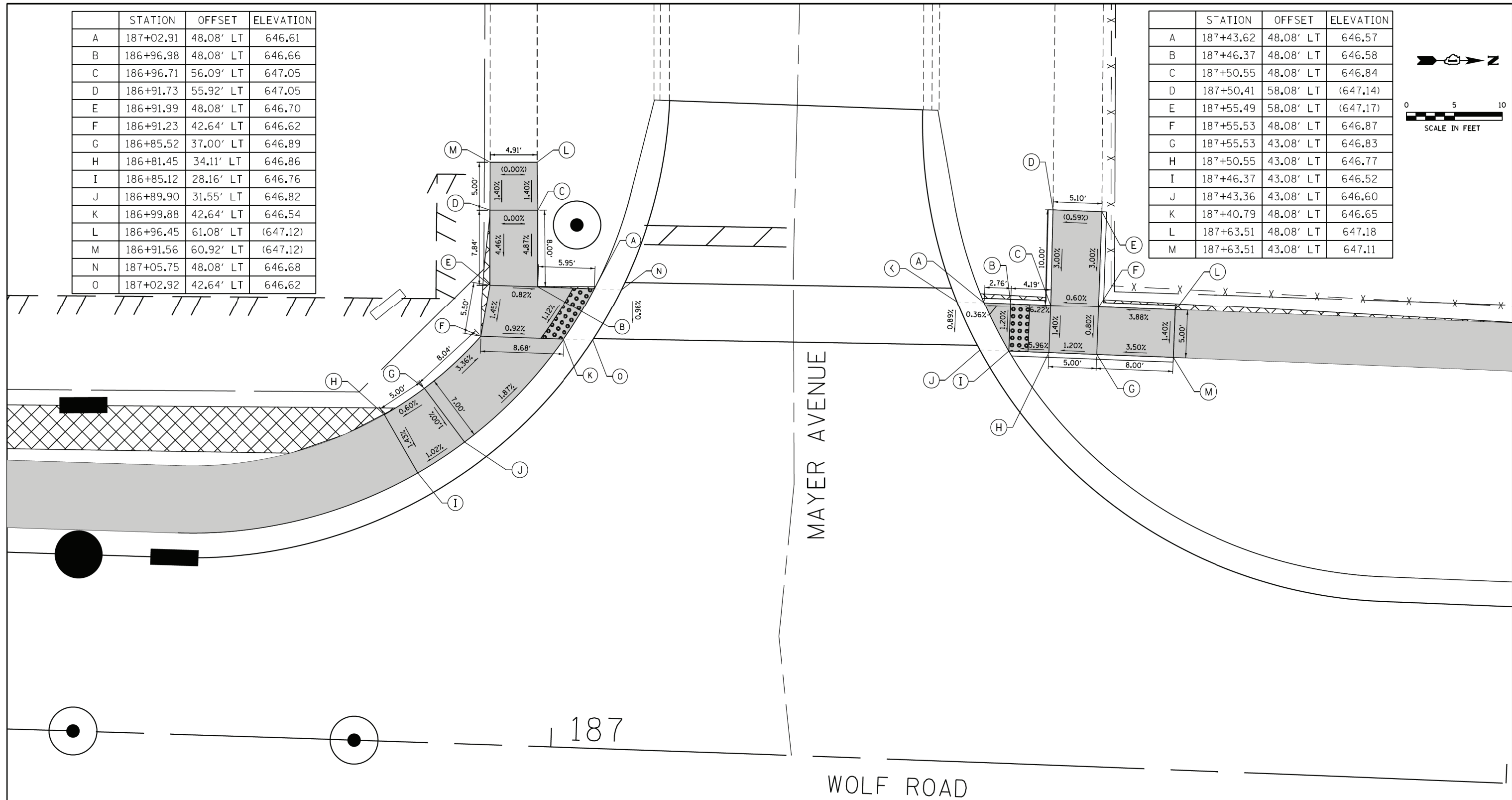
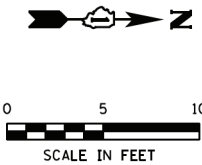
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
STRONG AVE	
SCALE: 1"=5'	SHEET NO. 2 OF 2 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	258
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	187+02.91	48.08' LT	646.61
B	186+96.98	48.08' LT	646.66
C	186+96.71	56.09' LT	647.05
D	186+91.73	55.92' LT	647.05
E	186+91.99	48.08' LT	646.70
F	186+91.23	42.64' LT	646.62
G	186+85.52	37.00' LT	646.89
H	186+81.45	34.11' LT	646.86
I	186+85.12	28.16' LT	646.76
J	186+89.90	31.55' LT	646.82
K	186+99.88	42.64' LT	646.54
L	186+96.45	61.08' LT	(647.12)
M	186+91.56	60.92' LT	(647.12)
N	187+05.75	48.08' LT	646.68
O	187+02.92	42.64' LT	646.62

	STATION	OFFSET	ELEVATION
A	187+43.62	48.08' LT	646.57
B	187+46.37	48.08' LT	646.58
C	187+50.55	48.08' LT	646.84
D	187+50.41	58.08' LT	(647.14)
E	187+55.49	58.08' LT	(647.17)
F	187+55.53	48.08' LT	646.87
G	187+55.53	43.08' LT	646.83
H	187+50.55	43.08' LT	646.77
I	187+46.37	43.08' LT	646.52
J	187+43.36	43.08' LT	646.60
K	187+40.79	48.08' LT	646.65
L	187+63.51	48.08' LT	647.18
M	187+63.51	43.08' LT	647.11



LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAAD\CAAD Sheets\0160T05-shr-ada-Wolf at Mayer.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = 0160T05-shr-ada-Wolf at Mayer	DRAWN - LRD	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

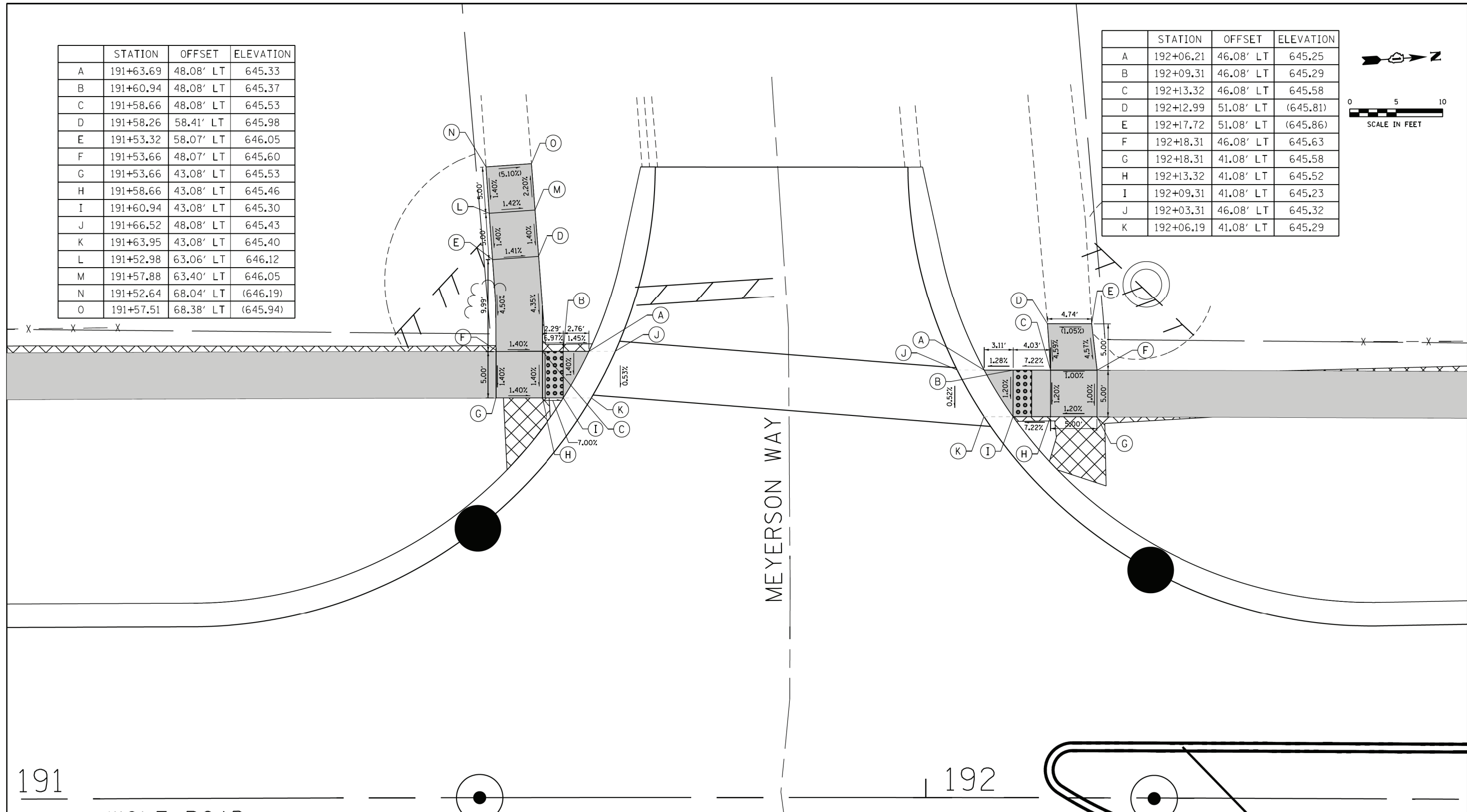
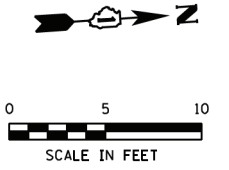
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
MAYER AVE	
SCALE: 1"=5'	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	259
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	191+63.69	48.08' LT	645.33
B	191+60.94	48.08' LT	645.37
C	191+58.66	48.08' LT	645.53
D	191+58.26	58.41' LT	645.98
E	191+53.32	58.07' LT	646.05
F	191+53.66	48.07' LT	645.60
G	191+53.66	43.08' LT	645.53
H	191+58.66	43.08' LT	645.46
I	191+60.94	43.08' LT	645.30
J	191+66.52	48.08' LT	645.43
K	191+63.95	43.08' LT	645.40
L	191+52.98	63.06' LT	646.12
M	191+57.88	63.40' LT	646.05
N	191+52.64	68.04' LT	(646.19)
O	191+57.51	68.38' LT	(645.94)

	STATION	OFFSET	ELEVATION
A	192+06.21	46.08' LT	645.25
B	192+09.31	46.08' LT	645.29
C	192+13.32	46.08' LT	645.58
D	192+12.99	51.08' LT	(645.81)
E	192+17.72	51.08' LT	(645.86)
F	192+18.31	46.08' LT	645.63
G	192+18.31	41.08' LT	645.58
H	192+13.32	41.08' LT	645.52
I	192+09.31	41.08' LT	645.23
J	192+03.31	46.08' LT	645.32
K	192+06.19	41.08' LT	645.29



191
WOLF ROAD

192

MEYERSON WAY

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAAD\CAAD Sheets\0160T05-shr-ada-Wolf at Legacy and Meyerson 2.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ada-Wolf at Legacy and Meyerson 2.dwg	CHECKED - MCV	REVISED -
PLOT SCALE = 10,0000 / 1in	DATE - 1/9/2020	REVISED -
PLOT DATE = 1/7/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
MEYERSON WAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	260

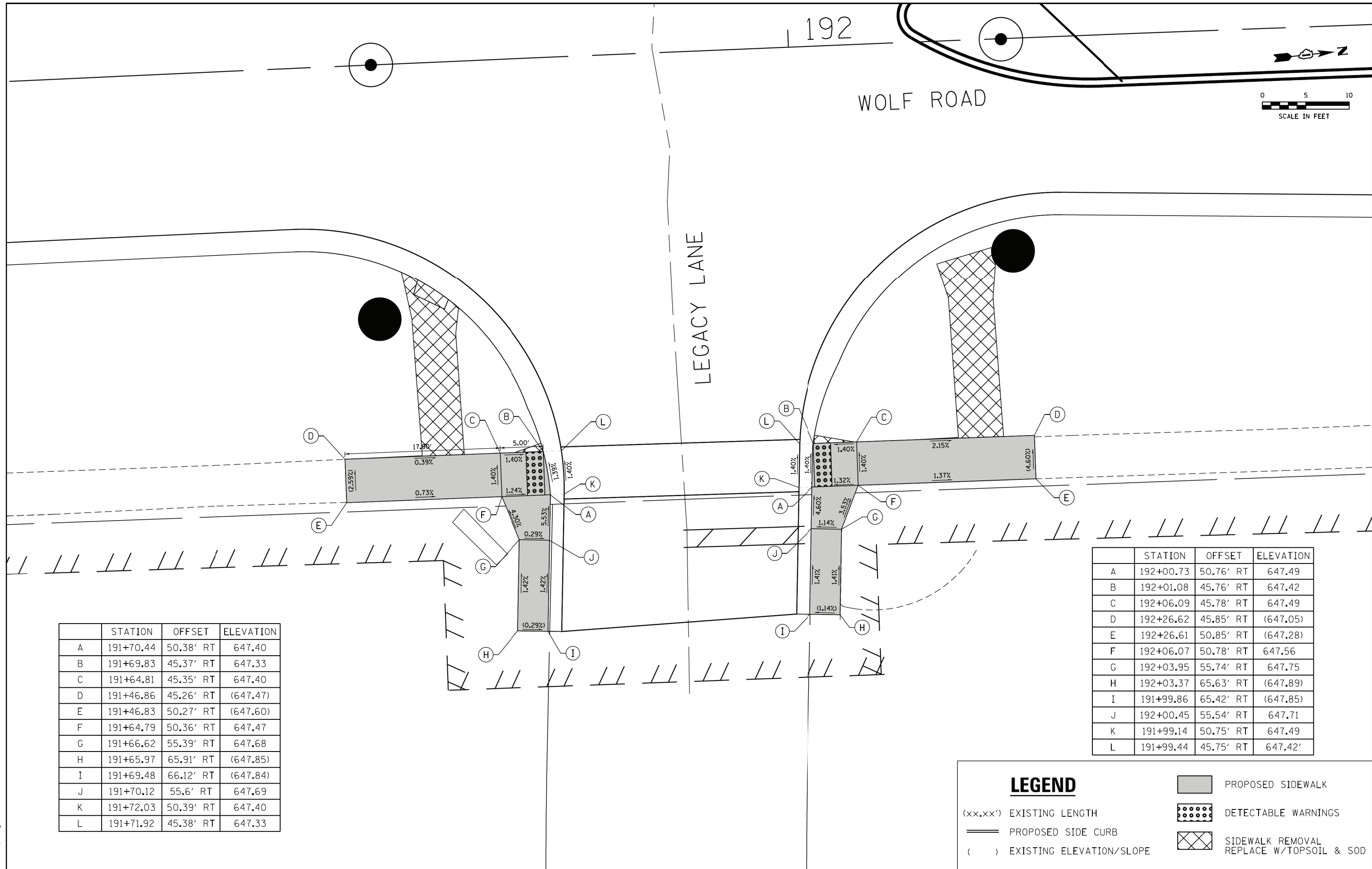
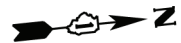
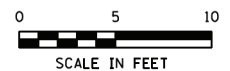
SCALE: 1"=5' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT CONTRACT NO. 60T05

192

WOLF ROAD

LEGACY LANE



	STATION	OFFSET	ELEVATION
A	191+70.44	50.38' RT	647.40
B	191+69.83	45.37' RT	647.33
C	191+64.81	45.35' RT	647.40
D	191+46.86	45.26' RT	(647.47)
E	191+46.83	50.27' RT	(647.60)
F	191+64.79	50.36' RT	647.47
G	191+66.62	55.39' RT	647.68
H	191+65.97	65.91' RT	(647.85)
I	191+69.48	66.12' RT	(647.84)
J	191+70.12	55.6' RT	647.69
K	191+72.03	50.39' RT	647.40
L	191+71.92	45.38' RT	647.33

	STATION	OFFSET	ELEVATION
A	192+00.73	50.76' RT	647.49
B	192+01.08	45.76' RT	647.42
C	192+06.09	45.78' RT	647.49
D	192+26.62	45.85' RT	(647.05)
E	192+26.61	50.85' RT	(647.28)
F	192+06.07	50.78' RT	647.56
G	192+03.95	55.74' RT	647.75
H	192+03.37	65.63' RT	(647.89)
I	191+99.86	65.42' RT	(647.85)
J	192+00.45	55.54' RT	647.71
K	191+99.14	50.75' RT	647.49
L	191+99.44	45.75' RT	647.42'

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160105-shr-ada-Wolf at Legacy and Meyerson.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell
 FILE NAME = 0160105-shr-ada-Wolf at Legacy and Meyerson.dgn
 PLOT SCALE = 10.0000 / 1 in.
 PLOT DATE = 1/7/2020

DESIGNED - NLS
 CHECKED - MCV
 DATE - 1/9/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

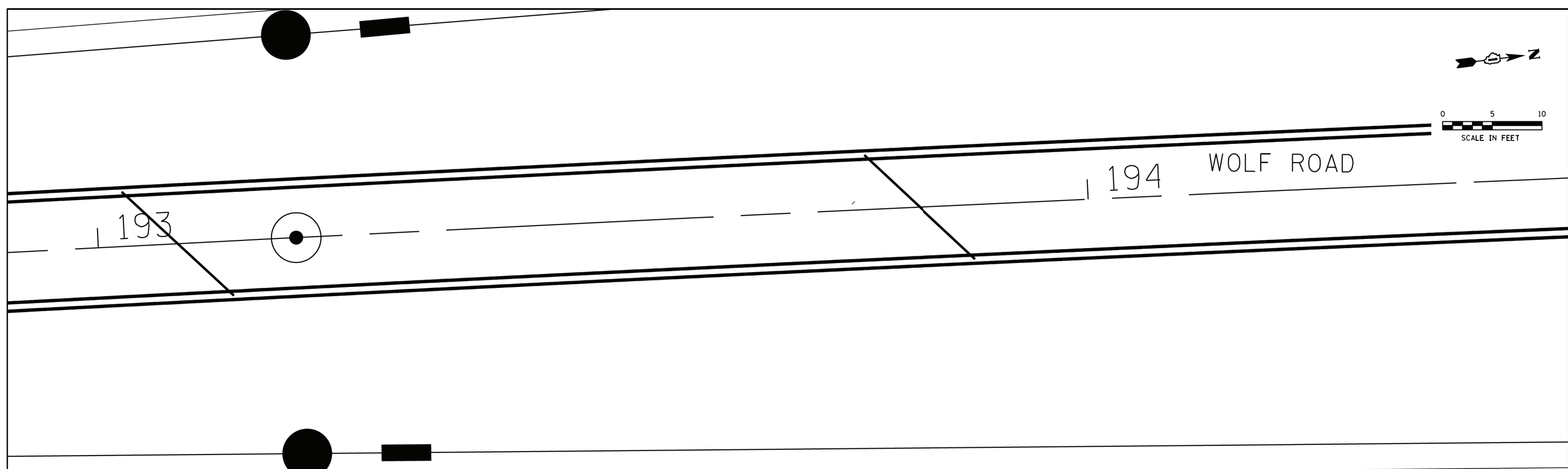
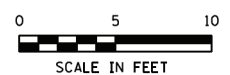
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
 LEGACY LN
 SCALE: 1"=5'
 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

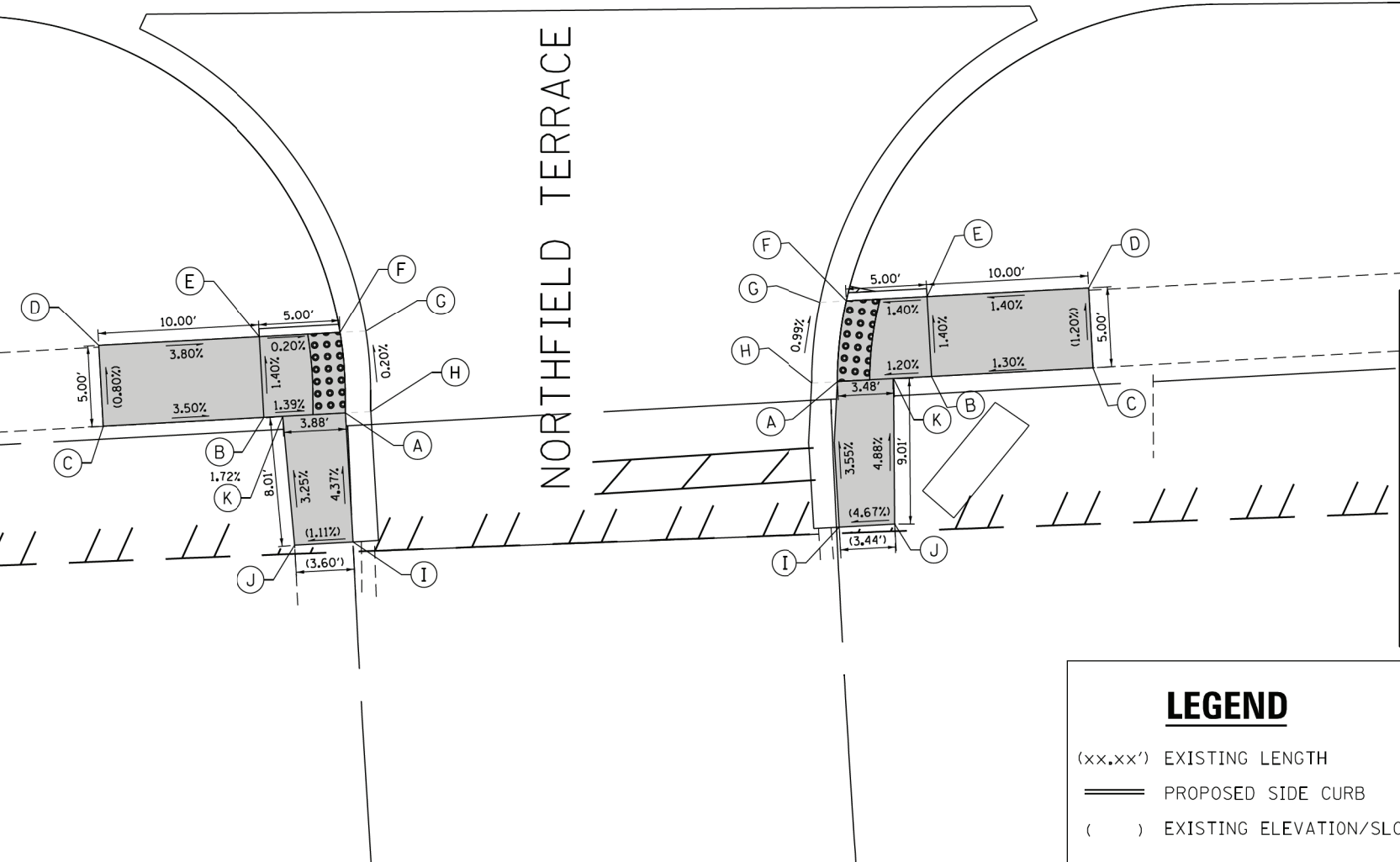
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	261

CONTRACT NO. 60T05

ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	193+53.38	50.66' RT	647.09
B	193+48.31	50.69' RT	647.16
C	193+38.27	50.73' RT	(647.51)
D	193+38.25	45.73' RT	(647.47)
E	193+48.28	45.69' RT	647.09
F	193+53.29	45.66' RT	647.08
G	193+54.89	45.65' RT	647.09
H	193+54.96	50.65' RT	(647.10)
I	193+53.45	58.66' RT	(647.44)
J	193+49.84	58.68' RT	(647.40)
K	193+49.48	50.68' RT	647.14



	STATION	OFFSET	ELEVATION
A	193+84.04	50.18' RT	647.10
B	193+89.89	50.13' RT	647.17
C	193+99.92	50.05' RT	(647.30)
D	193+99.88	45.06' RT	(647.24)
E	193+89.85	45.13' RT	647.10
F	193+84.83	45.17' RT	647.03
G	193+83.19	45.18' RT	647.04
H	193+82.45	50.19' RT	(647.09)
I	193+83.74	59.18' RT	(647.42)
J	193+87.19	59.15' RT	(647.58)
K	193+87.53	50.15' RT	647.14

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160T05-shr-ada-wolf at Northfield Terrace.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = D:\60T05-shr-ada-wolf at Northfield Terrace.dgn	DRAWN - SDM	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - EJB	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

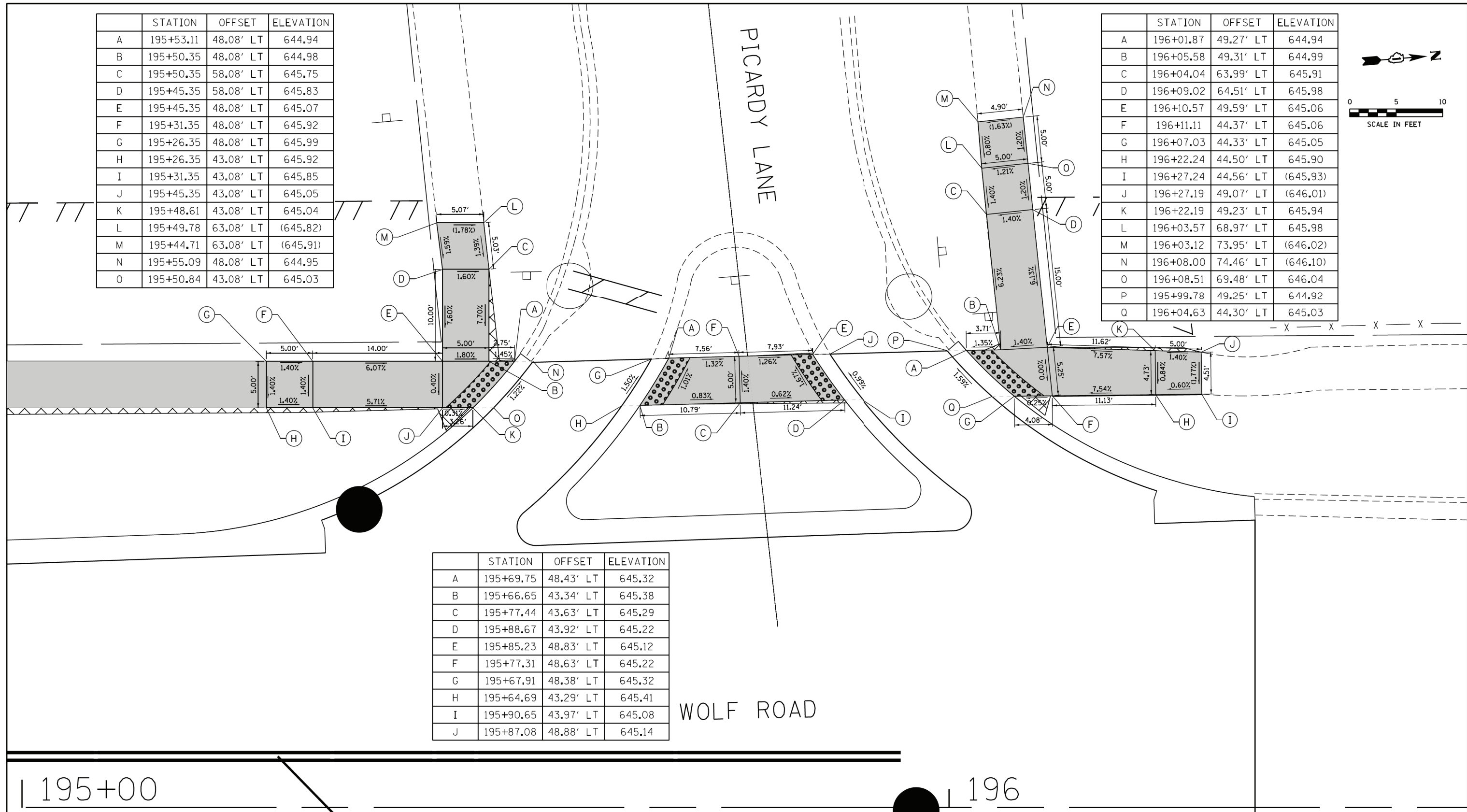
ADA RAMP DETAILS NORTHFIELD TERR		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2692	3941-R	COOK	331	262
SCALE: 1"=5'		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 60T05

ILLINOIS FED. AID PROJECT	
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	STATION	OFFSET	ELEVATION
A	195+53.11	48.08' LT	644.94
B	195+50.35	48.08' LT	644.98
C	195+50.35	58.08' LT	645.75
D	195+45.35	58.08' LT	645.83
E	195+45.35	48.08' LT	645.07
F	195+31.35	48.08' LT	645.92
G	195+26.35	48.08' LT	645.99
H	195+26.35	43.08' LT	645.92
I	195+31.35	43.08' LT	645.85
J	195+45.35	43.08' LT	645.05
K	195+48.61	43.08' LT	645.04
L	195+49.78	63.08' LT	(645.82)
M	195+44.71	63.08' LT	(645.91)
N	195+55.09	48.08' LT	644.95
O	195+50.84	43.08' LT	645.03

	STATION	OFFSET	ELEVATION
A	196+01.87	49.27' LT	644.94
B	196+05.58	49.31' LT	644.99
C	196+04.04	63.99' LT	645.91
D	196+09.02	64.51' LT	645.98
E	196+10.57	49.59' LT	645.06
F	196+11.11	44.37' LT	645.06
G	196+07.03	44.33' LT	645.05
H	196+22.24	44.50' LT	645.90
I	196+27.24	44.56' LT	(645.93)
J	196+27.19	49.07' LT	(646.01)
K	196+22.19	49.23' LT	645.94
L	196+03.57	68.97' LT	645.98
M	196+03.12	73.95' LT	(646.02)
N	196+08.00	74.46' LT	(646.10)
O	196+08.51	69.48' LT	646.04
P	195+99.78	49.25' LT	644.92
Q	196+04.63	44.30' LT	645.03

	STATION	OFFSET	ELEVATION
A	195+69.75	48.43' LT	645.32
B	195+66.65	43.34' LT	645.38
C	195+77.44	43.63' LT	645.29
D	195+88.67	43.92' LT	645.22
E	195+85.23	48.83' LT	645.12
F	195+77.31	48.63' LT	645.22
G	195+67.91	48.38' LT	645.32
H	195+64.69	43.29' LT	645.41
I	195+90.65	43.97' LT	645.08
J	195+87.08	48.88' LT	645.14



195+00

196

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\JOBS\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CAD\CADD Sheets\0160T05-shr-ada-wolf at Picardy Lane.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = 0160T05-shr-ada-wolf at Picardy Lane.dgn	DRAWN - LRD	REVISED -
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PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

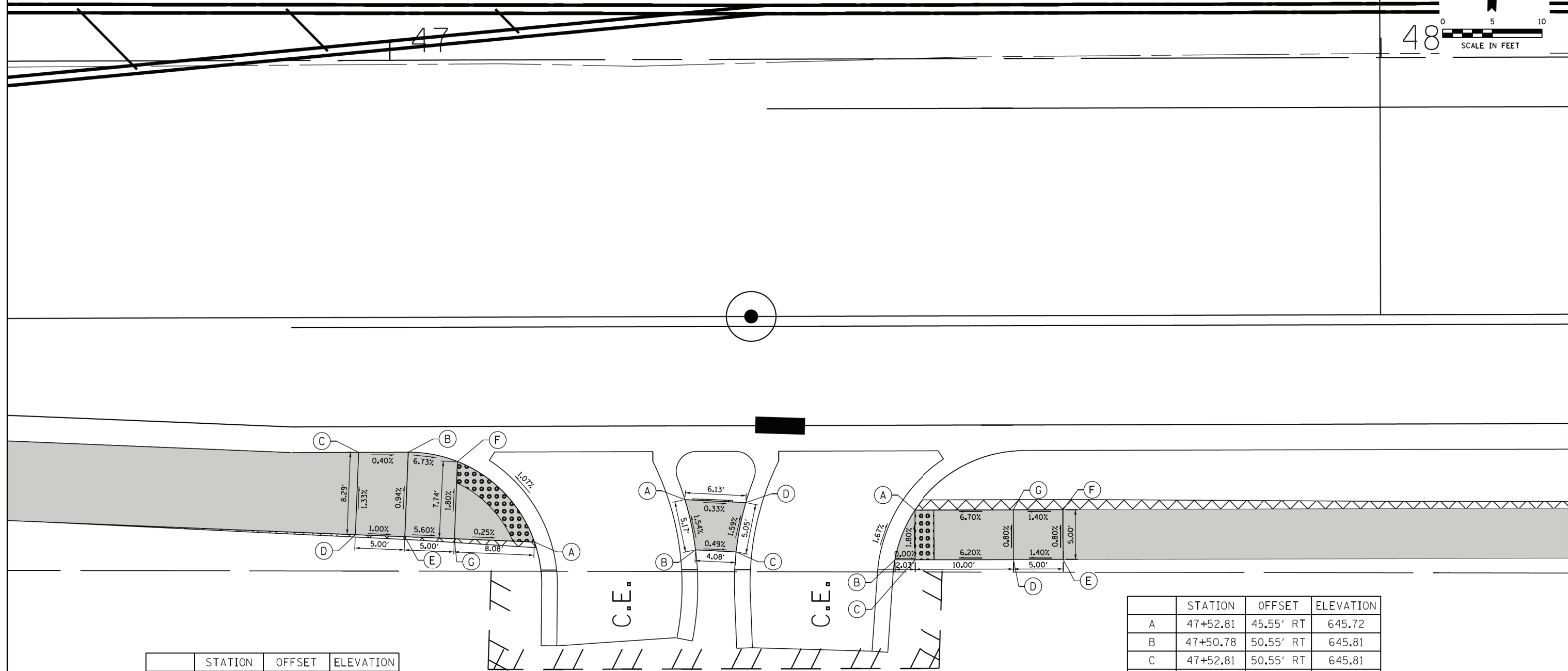
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
PICARDY LN

SCALE: 1"=5' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	263
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				

DUNDEE ROAD



	STATION	OFFSET	ELEVATION
A	47+14.44	48.65' RT	645.78
B	47+01.74	39.58' RT	646.00
C	46+96.74	39.58' RT	646.02
D	46+96.38	47.87' RT	646.13
E	47+01.37	48.08' RT	646.08
F	47+06.70	40.53' RT	645.66
G	47+06.37	48.30' RT	645.80

	STATION	OFFSET	ELEVATION
A	47+29.66	44.43' RT	645.86
B	47+30.72	49.49' RT	645.94
C	47+34.79	49.71' RT	645.92
D	47+35.78	44.75' RT	645.84

	STATION	OFFSET	ELEVATION
A	47+52.81	45.55' RT	645.72
B	47+50.78	50.55' RT	645.81
C	47+52.81	50.55' RT	645.81
D	47+62.81	50.55' RT	646.43
E	47+67.81	50.55' RT	646.50
F	47+67.81	45.55' RT	646.46
G	47+62.81	45.55' RT	646.39

LEGEND

- (xx.xx') EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-wolf at Dundee.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = smaxwell	DESIGNED - SDM	REVISED -
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PLOT SCALE = 10.0000 / 1in.	CHECKED - NLS	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

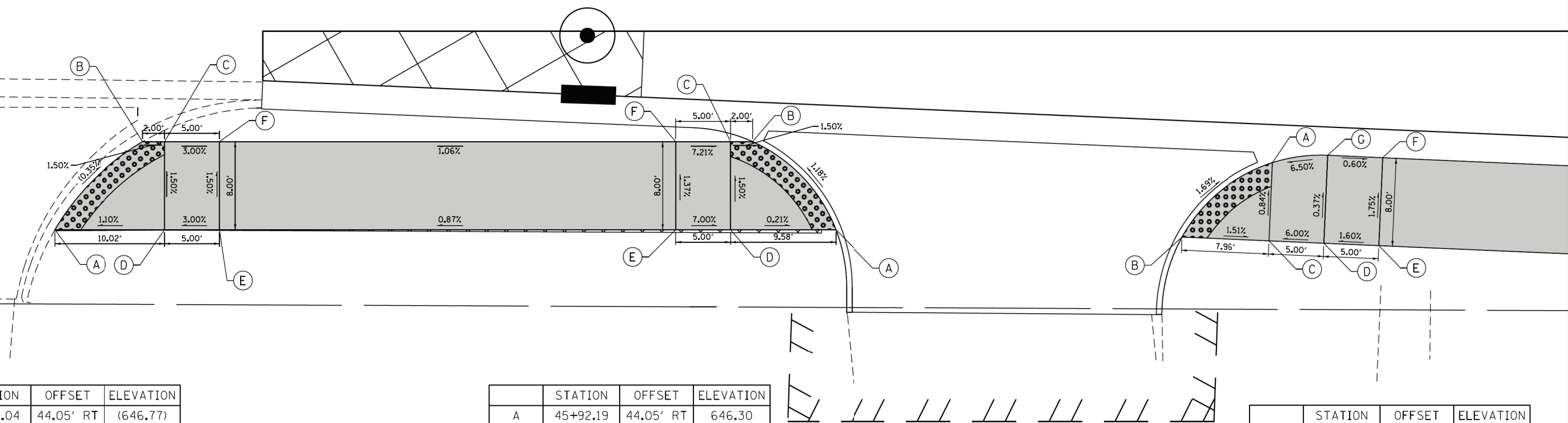
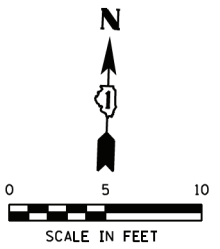
ADA RAMP DETAILS DUNDEE RD ENTRANCE STA 47 + 33		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=5'	SHEET NO. 1 OF 1 SHEETS	2692	3941-R	COOK	331	264
STA. TO STA.		CONTRACT NO. 60T05				

ILLINOIS FED. AID PROJECT					
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45+00

46

DUNDEE ROAD



	STATION	OFFSET	ELEVATION
A	45+21.04	44.05' RT	(646.77)
B	45+29.06	36.05' RT	(646.73)
C	45+31.06	36.05' RT	646.76
D	45+31.06	44.05' RT	646.88
E	45+36.06	44.05' RT	647.03
F	45+36.06	36.05' RT	646.91

	STATION	OFFSET	ELEVATION
A	45+92.19	44.05' RT	646.30
B	45+84.62	36.05' RT	646.17
C	45+82.62	36.05' RT	646.20
D	45+82.62	44.05' RT	646.32
E	45+77.62	44.05' RT	646.67
F	45+77.62	36.05' RT	646.56

	STATION	OFFSET	ELEVATION
A	46+32.02	37.96' RT	645.99
B	46+23.76	44.72' RT	646.17
C	46+31.72	45.06' RT	646.05
D	46+36.71	45.28' RT	646.35
E	46+41.71	45.50' RT	646.43
F	46+42.05	37.50' RT	646.29
G	46+37.06	37.29' RT	646.32

LEGEND

- (xx.xx')
- EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013 Jobs\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160T05-shr-ada-wolf at Dundee 4.dgn
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USER NAME = smaxwell	DESIGNED - NLS	REVISED -
FILE NAME = 0160T05-shr-ada-wolf at Dundee	DRAWN - SDM	REVISED -
PLOT SCALE = 10.0000 / 1 in.	CHECKED - MCV	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

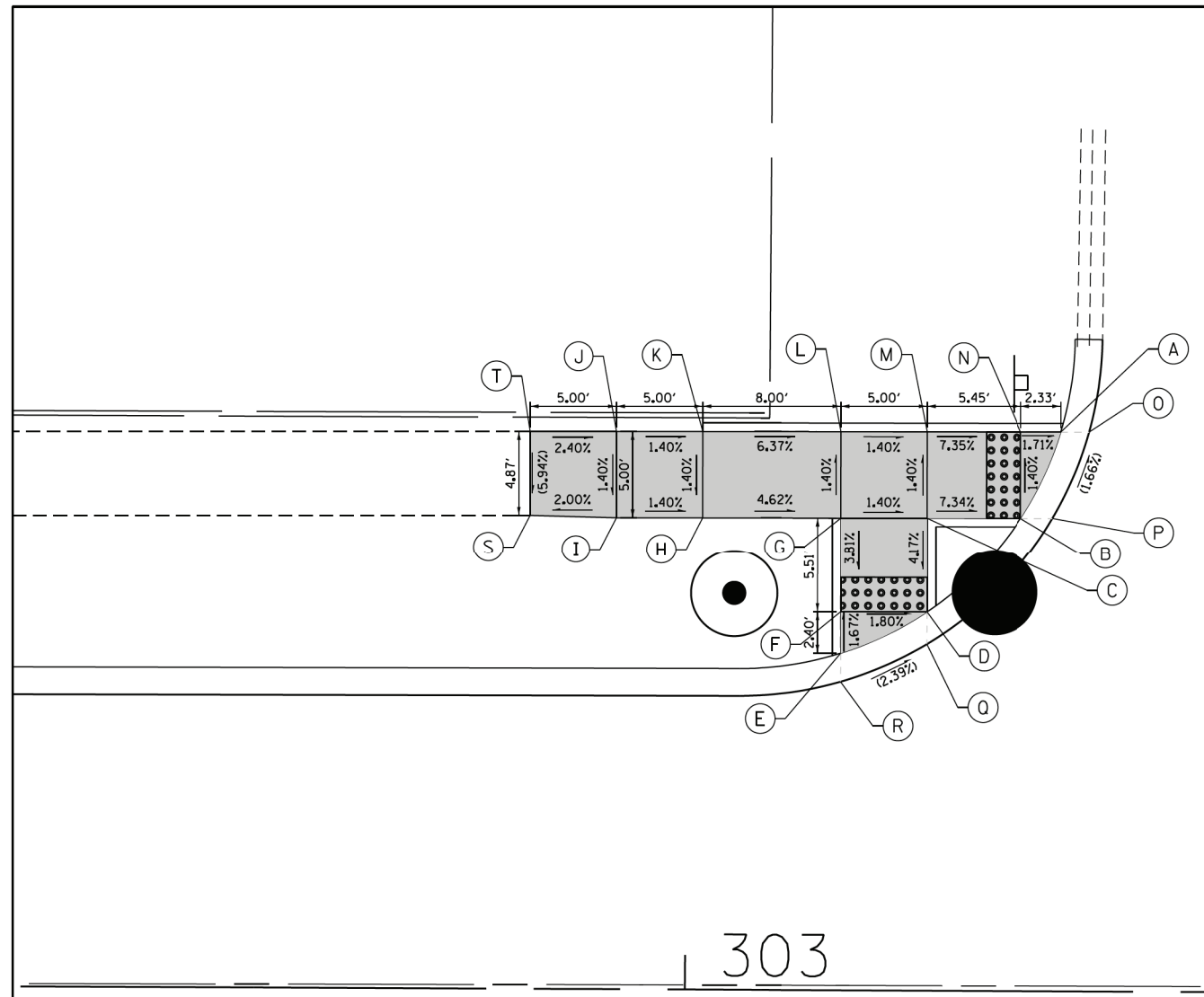
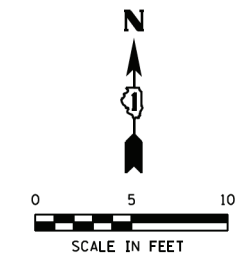
ADA RAMP DETAILS
DUNDEE RD ENTRANCES STA 45+00 & STA 46+08

SCALE: 1"=5'

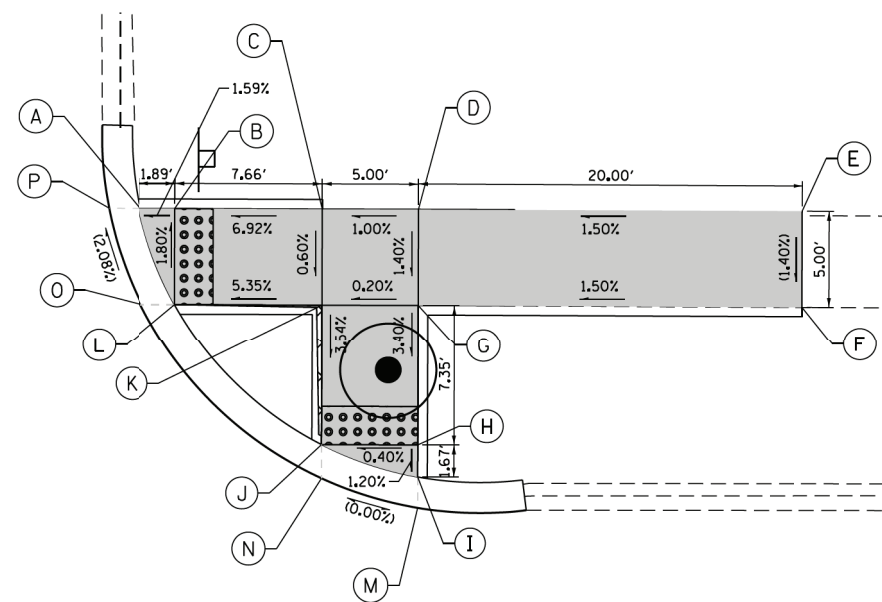
SHEET NO. 1 OF 1 SHEETS

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	265
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				



3RD STREET



304

STRONG AVENUE

	STATION	OFFSET	ELEVATION
A	303+21.67	32.46' LT	644.28
B	303+19.35	27.45' LT	644.39
C	303+13.90	27.43' LT	644.79
D	303+13.92	21.92' LT	644.56
E	303+08.93	19.50' LT	644.69
F	303+08.92	21.90' LT	644.65
G	303+08.90	27.41' LT	644.86
H	303+00.90	27.39' LT	645.23
I	302+95.90	27.37' LT	645.30
J	302+95.89	32.37' LT	645.37
K	303+00.89	32.39' LT	645.30
L	303+08.89	32.41' LT	644.79
M	303+13.89	32.43' LT	644.72
N	303+19.33	32.45' LT	644.32
O	303+23.31	32.46' LT	644.28
P	303+21.21	27.45' LT	644.37
Q	303+13.93	20.05' LT	644.59
R	303+08.93	17.85' LT	644.72
S	302+90.90	27.49' LT	(645.20)
T	302+90.89	32.36' LT	(645.49)

	STATION	OFFSET	ELEVATION
A	303+53.31	32.48' LT	644.20
B	303+55.20	32.49' LT	644.23
C	303+62.86	32.50' LT	644.76
D	303+67.86	32.51' LT	644.81
E	303+87.86	32.50' LT	(645.11)
F	303+87.87	27.50' LT	(645.04)
G	303+67.87	27.51' LT	644.74
H	303+67.89	20.16' LT	644.49
I	303+67.89	18.49' LT	644.47
J	303+62.89	20.15' LT	644.47
K	303+62.87	27.50' LT	644.73
L	303+55.21	27.49' LT	644.32
M	303+67.89	16.89' LT	644.48
N	303+62.89	18.40' LT	644.48
O	303+53.42	27.48' LT	644.31
P	303+51.69	32.48' LT	644.20

LEGEND

- (xx.xx')
- EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

FILE NAME = S:\Projects\2013\085\13-35 B & W PTB 163-06 Ph II 01 Wolf Road\CADD\CADD Sheets\0160705-shr-ada-Strong at 3rd.dwg
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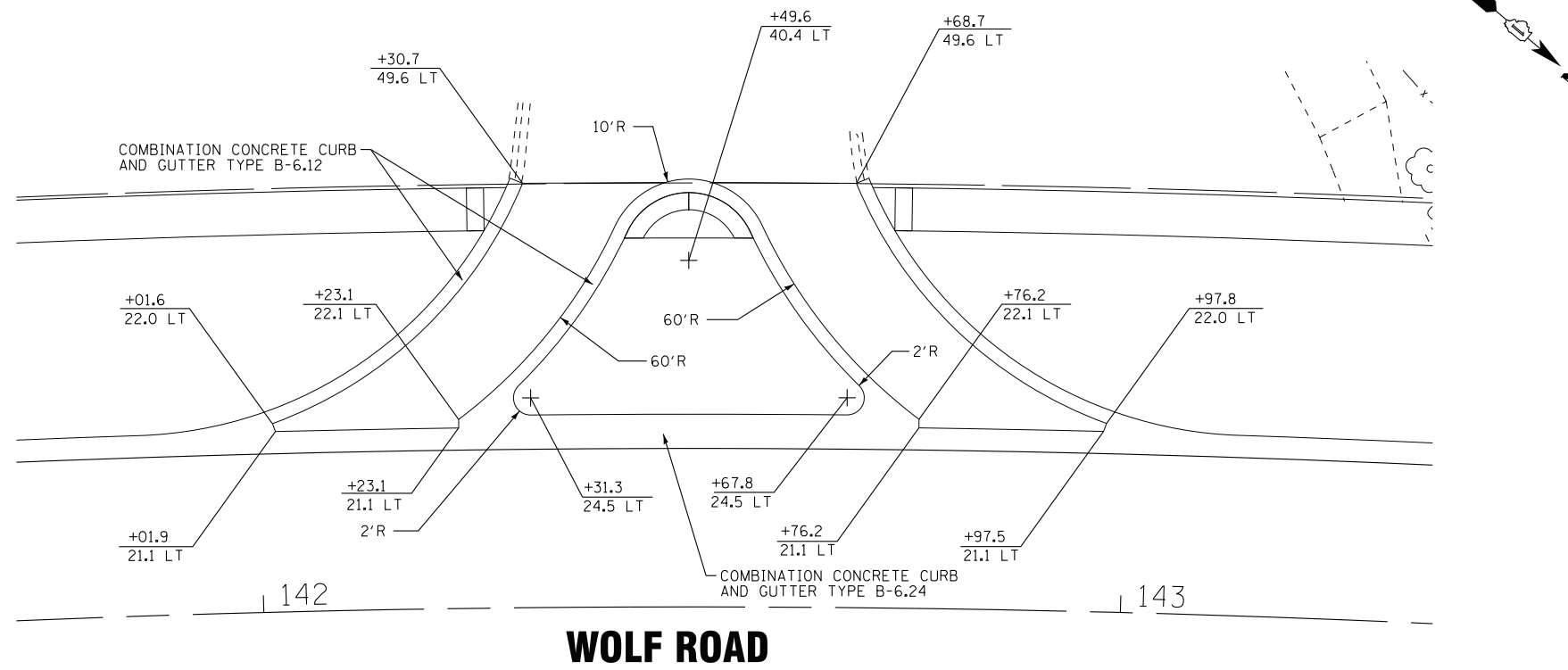


USER NAME = smaxwell	DESIGNED - SDM	REVISED -
FILE NAME = D:\60705-shr-ada-Strong at 3rd	DRAWN - SDM	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - NLS	REVISED -
PLOT DATE = 1/7/2020	DATE - 1/9/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
3RD STREET
SCALE: 1"=5'
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	266
CONTRACT NO. 60T05				
ILLINOIS FED. AID PROJECT				



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 LICENSE NO. 184-001121 - EXPIRES 4/30/2021
 1/8/2020 12:02:43 PM
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BAXTER & WOODMAN consulting engineers	DESIGNED - AMW	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - JFM	REVISED -
	DATE - 1-10-20	FILE - D160T05-SHT_Details.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

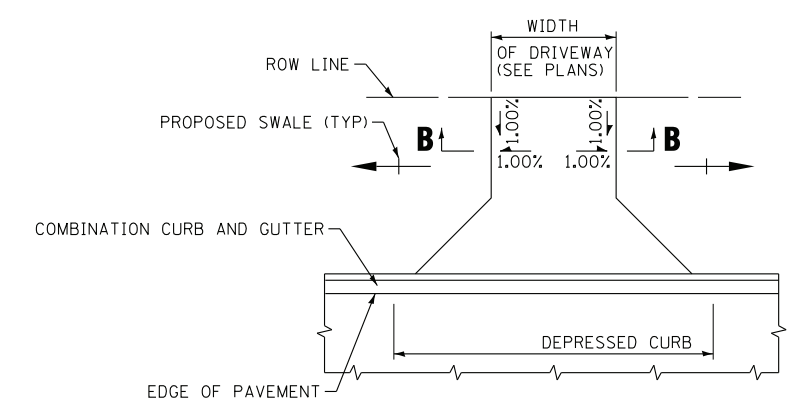
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WOLF ROAD

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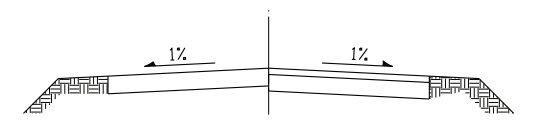
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	267
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60T05	

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-001121 - EXPIRES 4/30/2021
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ADJACENT TO CURB AND GUTTER



SECTION B-B

DRIVEWAY DRAINAGE DETAIL

NOTE:
 WHEN PROPOSED DRIVEWAY ENTRANCE SLOPES TOWARDS THE ROW PROVIDE SLOPE AS SHOWN ABOVE TO DRAIN TO PROPOSED SWALES.



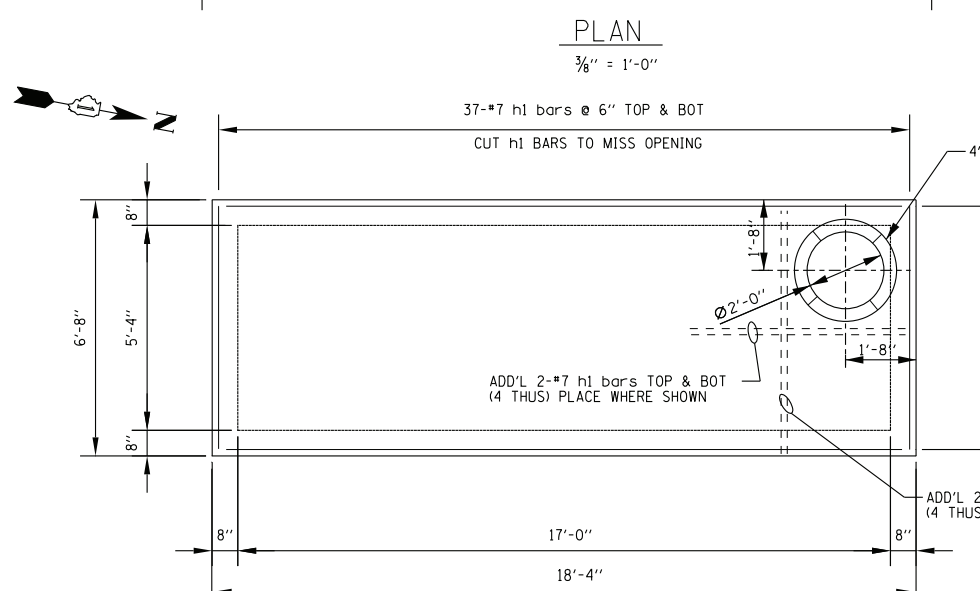
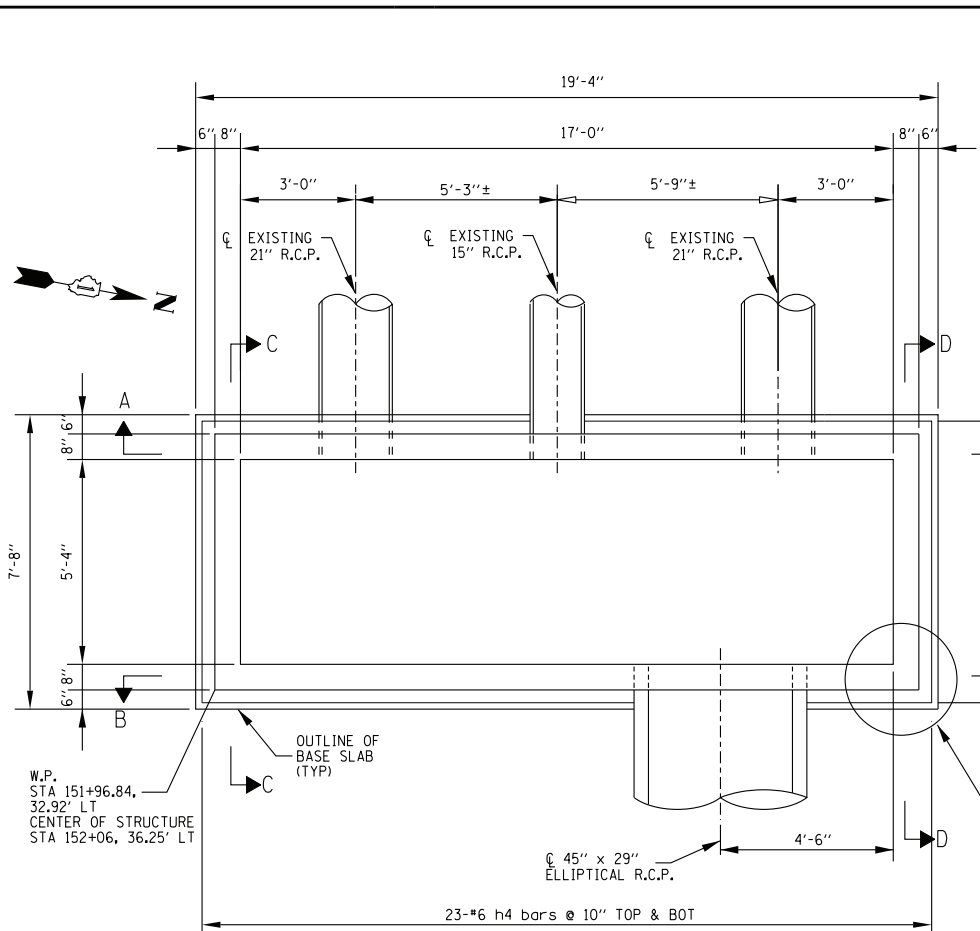
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DRAWN - CJC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

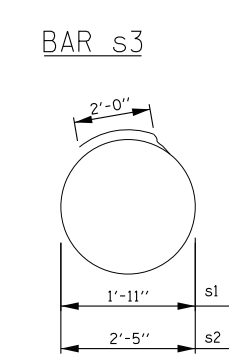
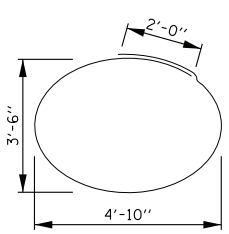
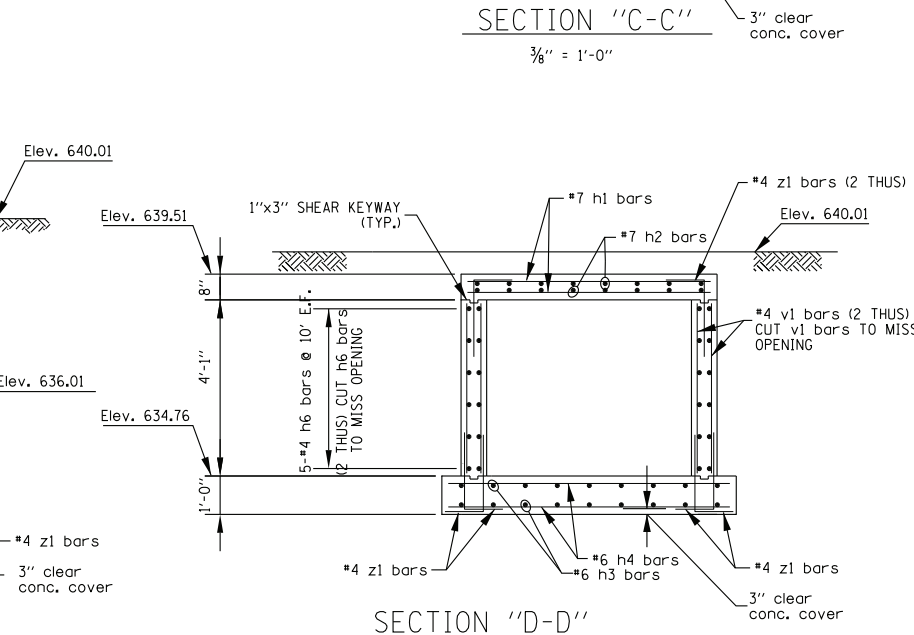
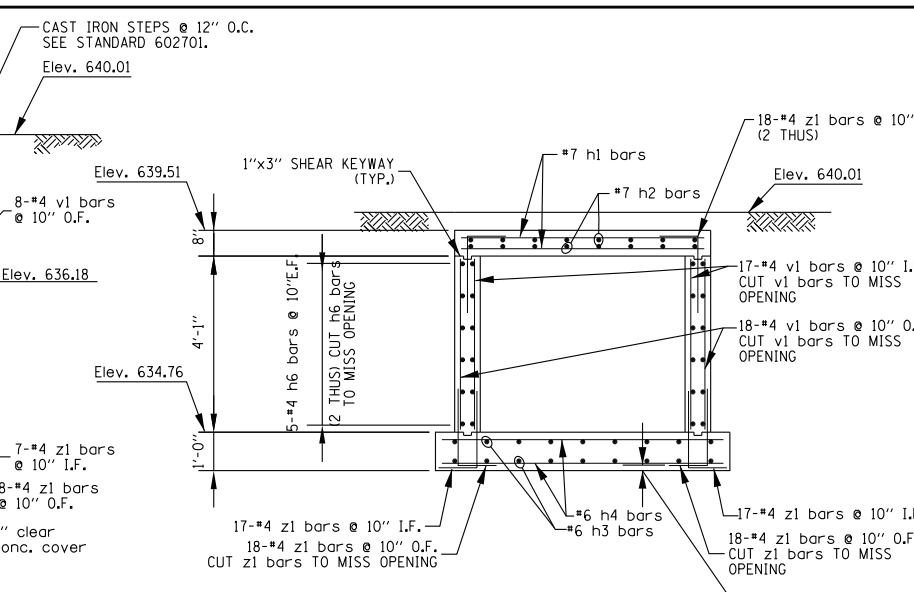
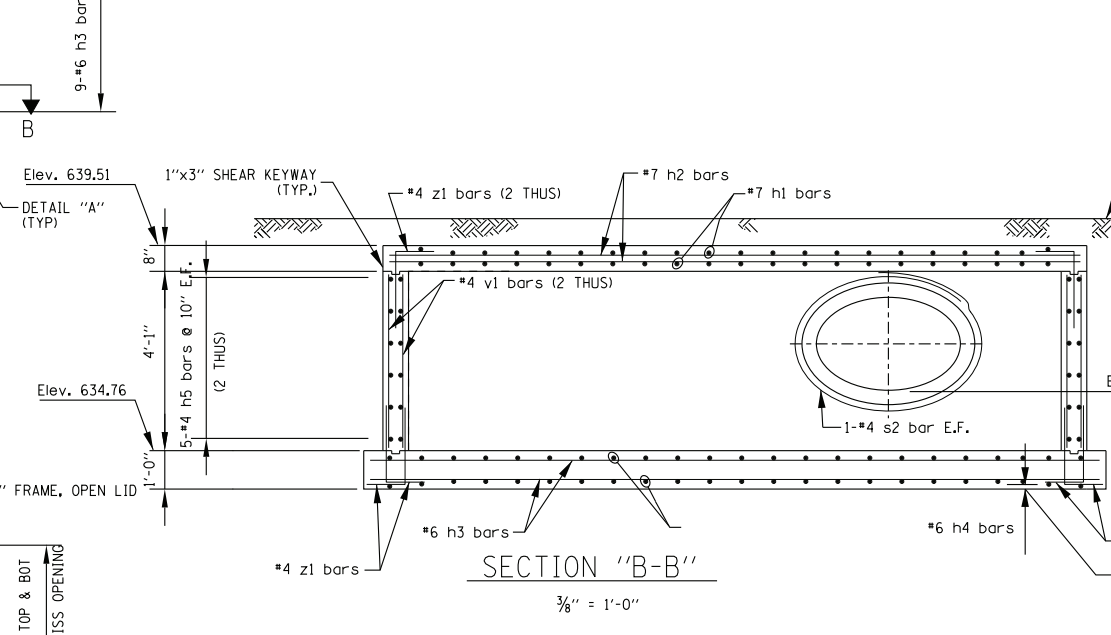
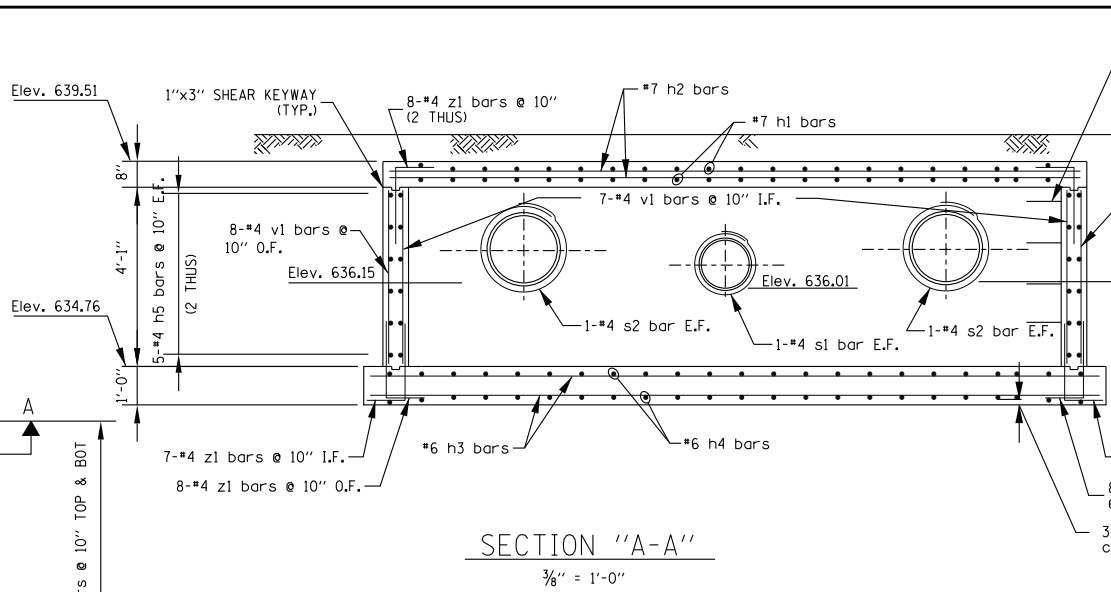
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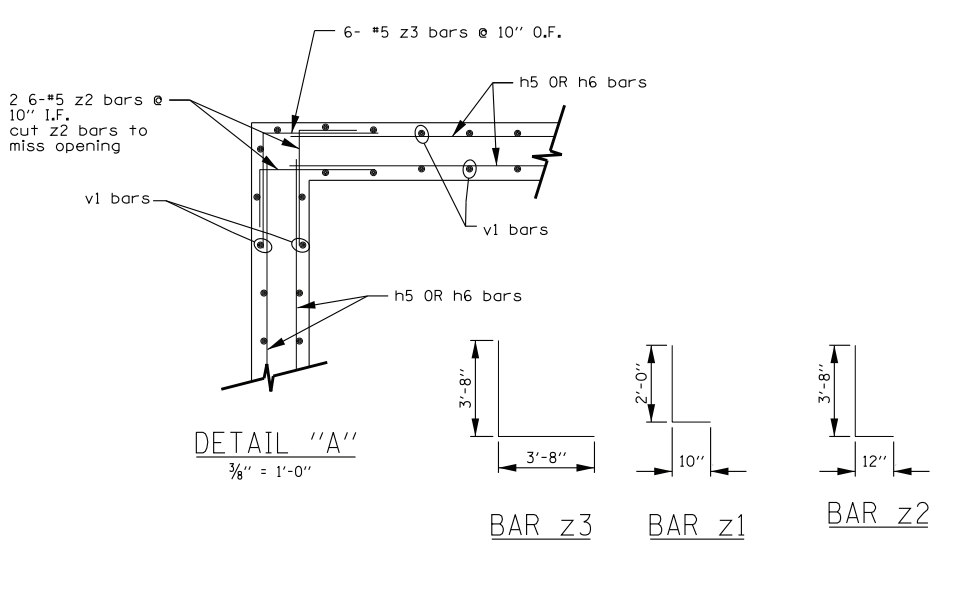
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	268
CONTRACT NO. 60T05				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- NOTES**
- PERFORM WORK IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2020.
 - DESIGN LOADING: HS20-44
 - ALLOWABLE SOIL BEARING CAPACITY = 2000 P.S.F. MINIMUM.
 - CONCRETE SHALL BE CLASS SI (f'c = 3500 P.S.I. MIN.)
 - REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53, GRADE 60.
 - PLACE REINFORCING BARS TO PROVIDE 2 INCHES CLEAR CONCRETE COVER EXCEPT WHERE SHOWN ON DRAWING.



BAR SCHEDULE				
BAR	NO.	SIZE	LENGTH	SHAPE
h1	82	7	6'-4"	—
h2	26	7	18'-0"	—
h3	18	6	19'-0"	—
h4	46	6	7'-4"	—
h5	20	4	5'-8"	—
h6	20	4	17'-8"	—
v1	100	4	3'-11"	—
z1	152	4	2'-10"	—
z2	48	5	4'-8"	—
z3	24	5	7'-4"	—
s1	4	4	8'-1"	○
s2	2	4	9'-8"	○
CONCRETE STRUCTURES		CU. YD.	13.4	
REINFORCEMENT BARS		LB.	4,130	
4" FRAME, OPEN LID		EA.	1	
CAST IRON STEPS		EA.	4	



BAXTER WOODMAN
consulting engineers

DESIGNED - BAB/J	REVISED -
DRAWN - CJC	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_structure.dgn

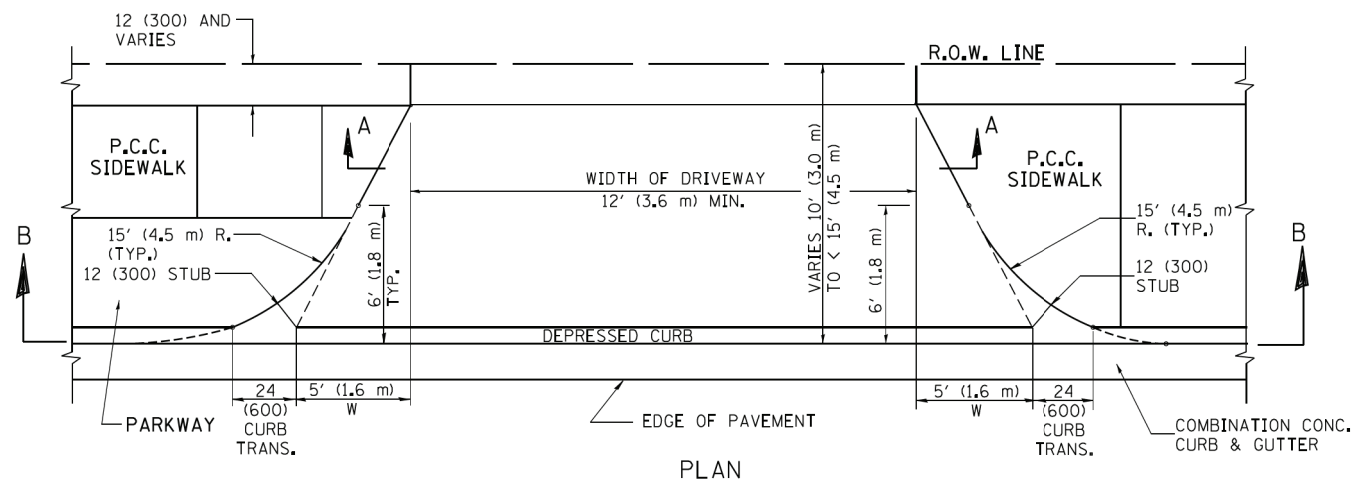
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JUNCTION CHAMBER
STATION 152 + 06

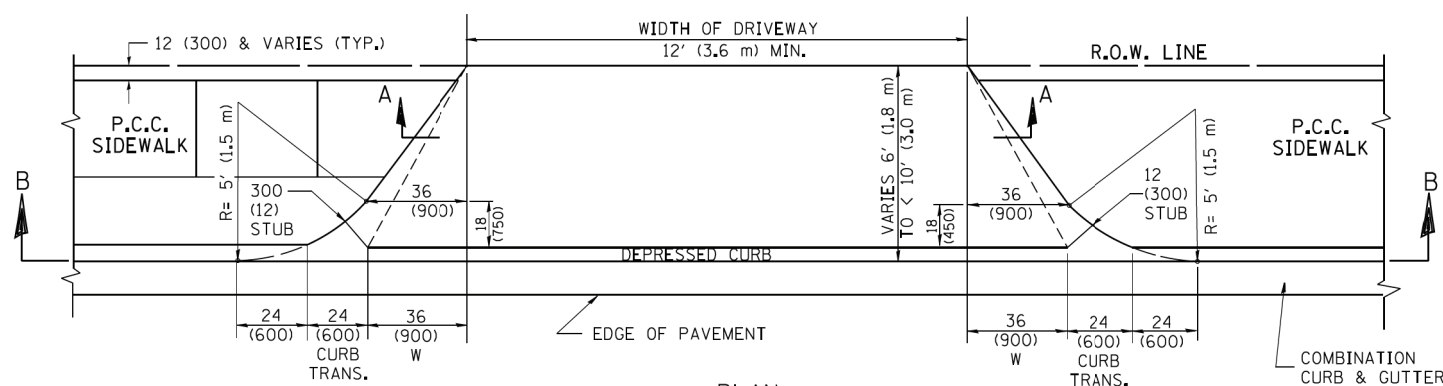
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F.A.U. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 269
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

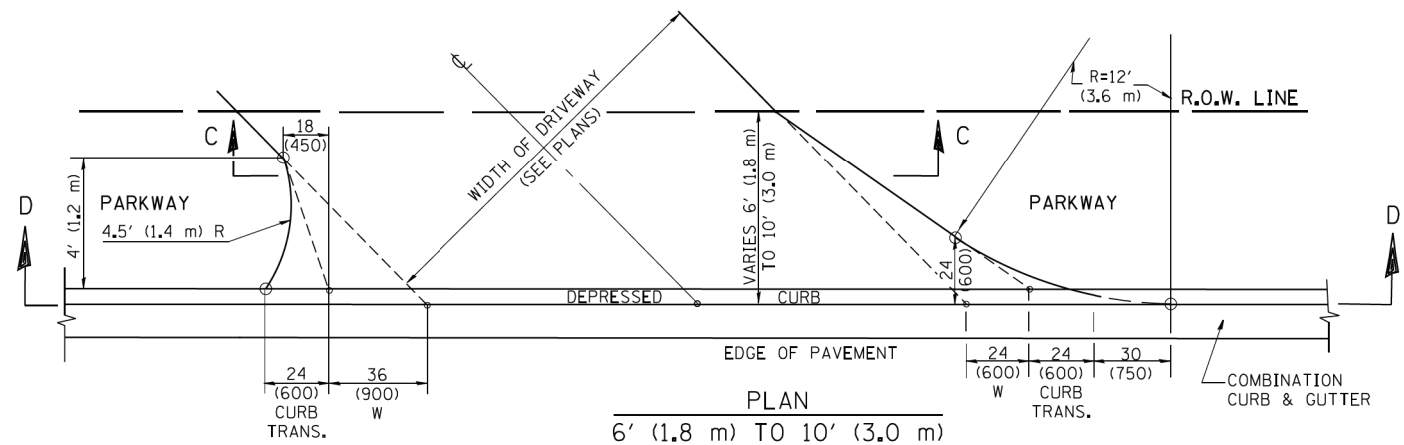
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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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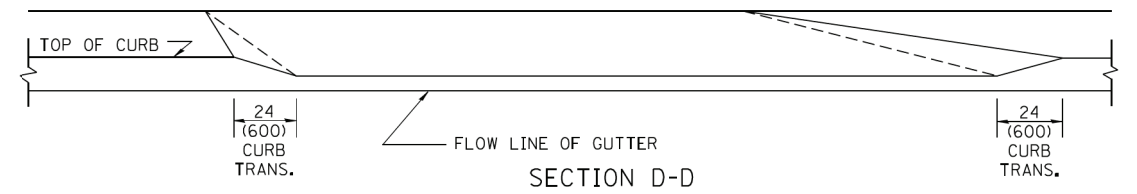
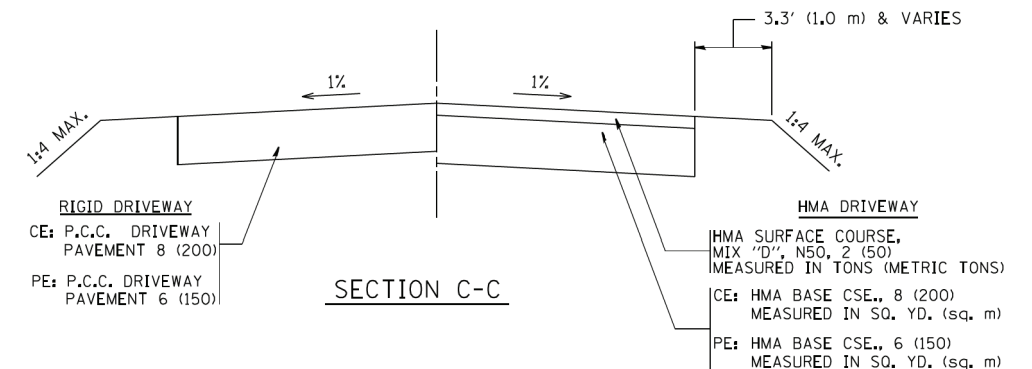
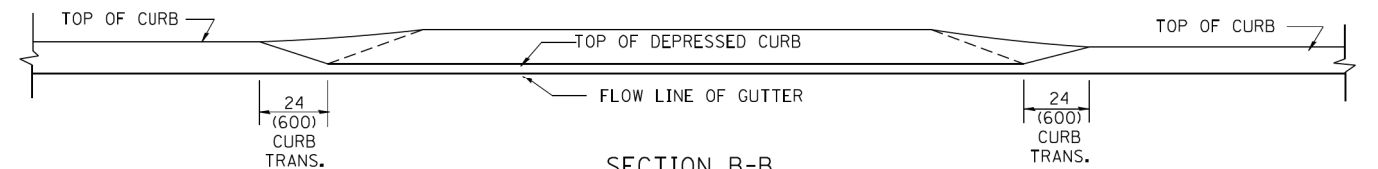
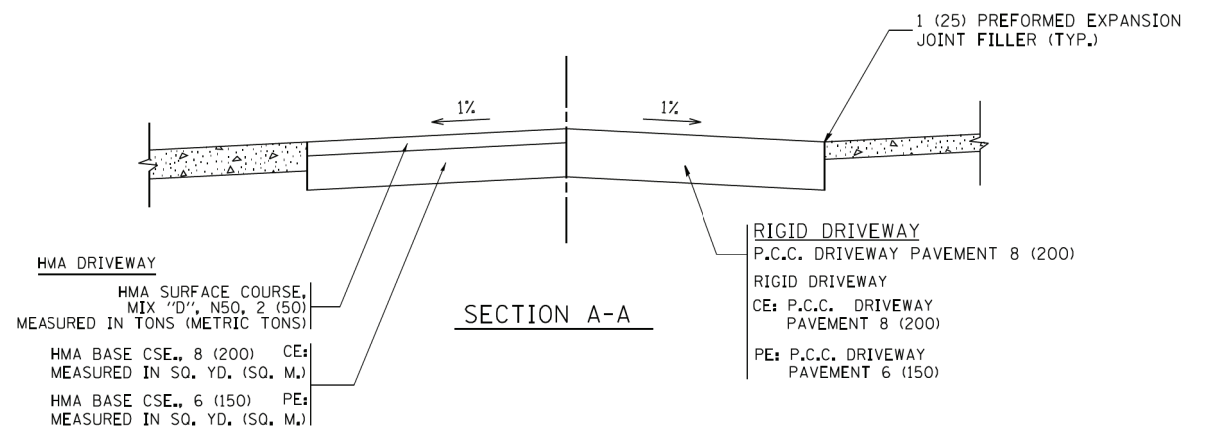
PLAN
10' (3.0 m) TO < 15' (4.5 m)



PLAN
6' (1.8 m) TO < 10' (3.0 m)



PLAN
6' (1.8 m) TO 10' (3.0 m)



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

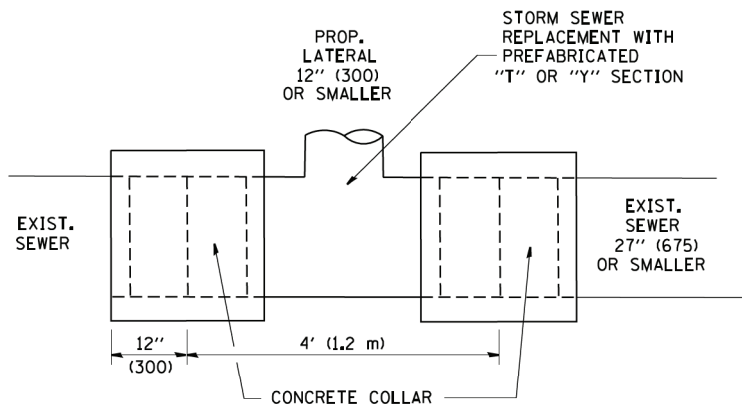
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	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

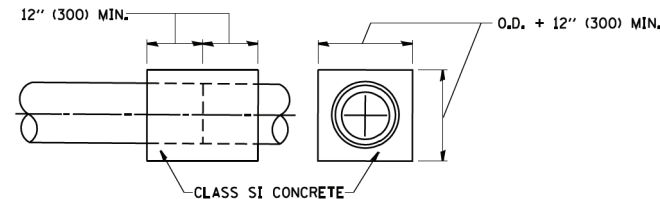
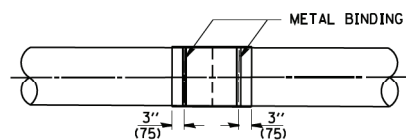
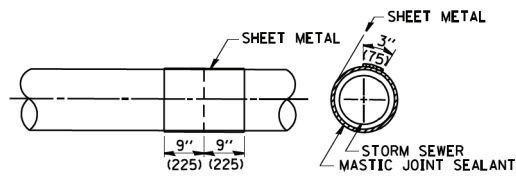
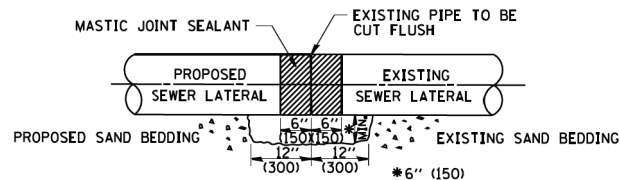
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	271
BD400-02 (BD-02)			CONTRACT NO. 60T05	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

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

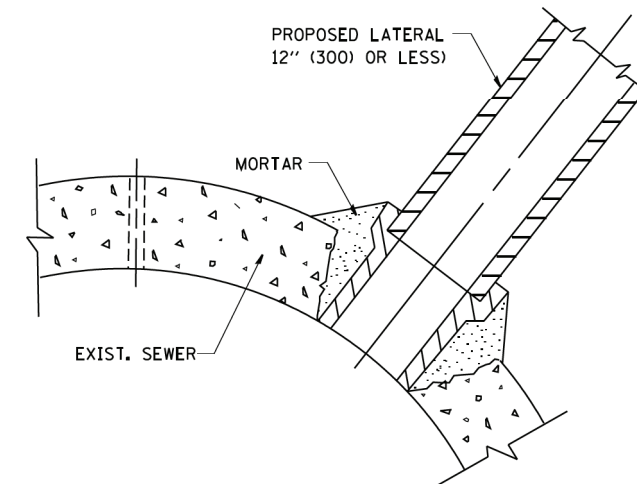


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

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		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	272
BD500-01 (BD-7)			CONTRACT NO. 60T05	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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 PROJECT NO. 12/15/2009
 PROJECT TITLE: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
 SHEET NO. 275 OF 275

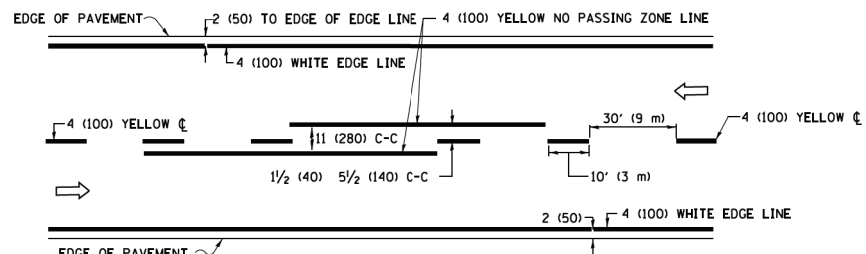
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

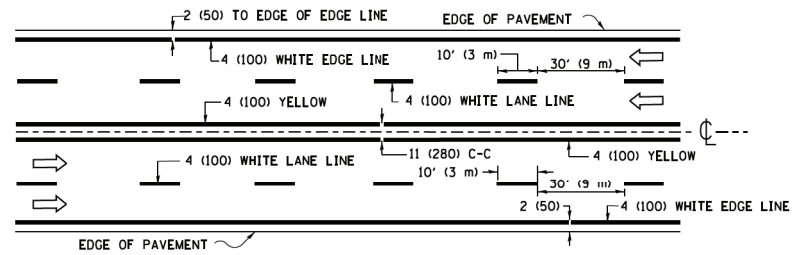
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REMOVAL AND REPLACEMENT**

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

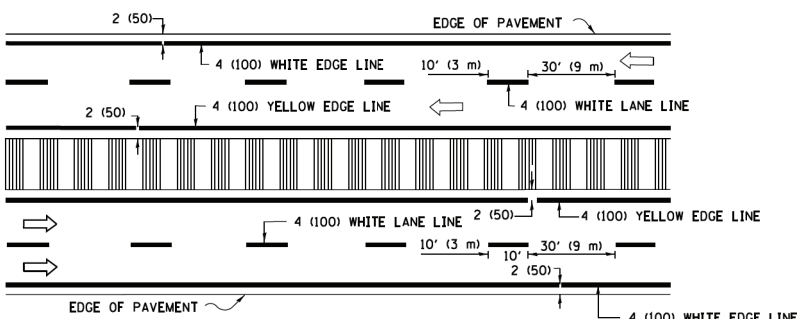
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2692	3941-R	COOK	331	275
BD600-06 (BD-24)			CONTRACT NO. 60T05	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

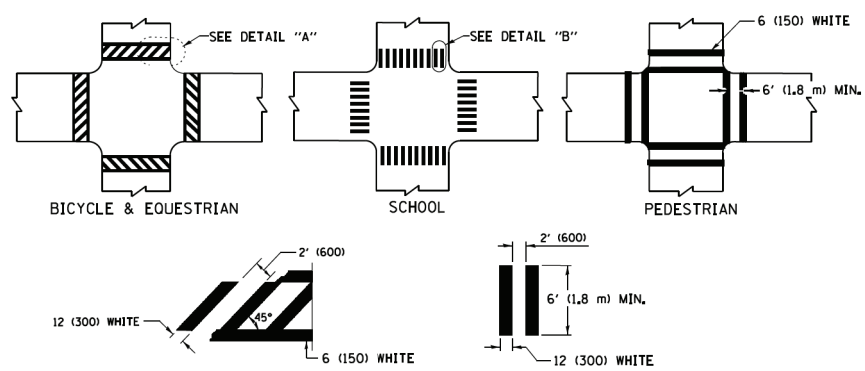


MULTI-LANE UNDIVIDED



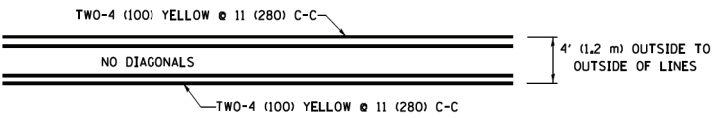
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

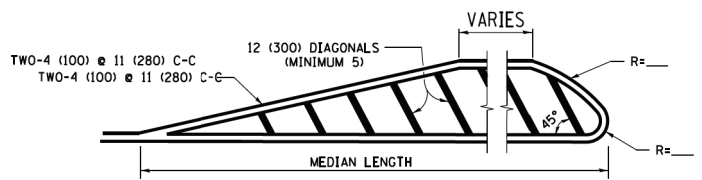


TYPICAL CROSSWALK MARKING

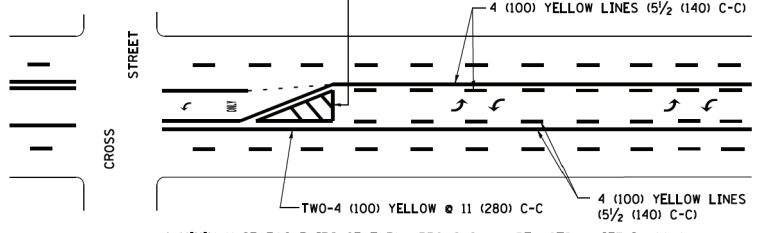
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



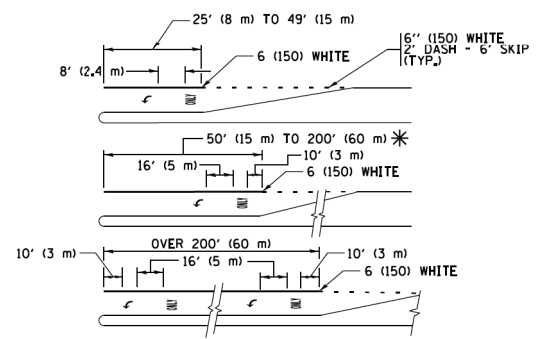
4' (1.2 m) WIDE MEDIANS ONLY



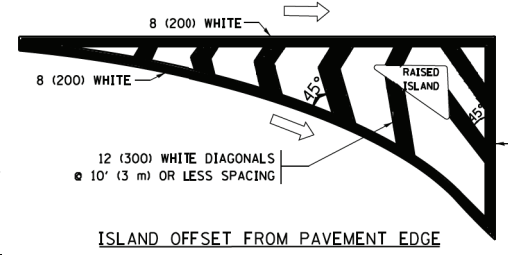
MEDIANS OVER 4' (1.2 m) WIDE



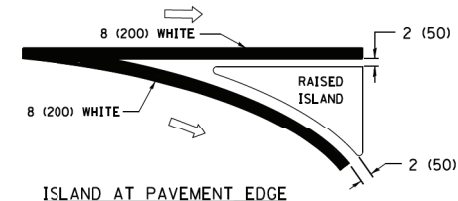
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



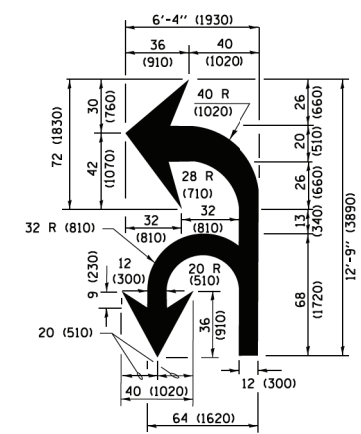
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



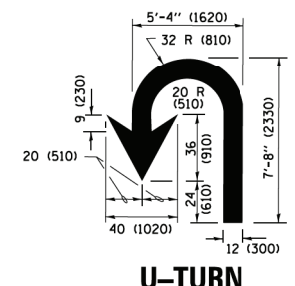
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - C. JUCIUS 12-21-15	SCALE: NONE			SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-13		CONTRACT NO. 60T05	ILLINOIS FED. AID PROJECT
PLOT DATE = 6/23/2017	DATE = 03-19-90	REVISED - C. JUCIUS 04-12-16									
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES											

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

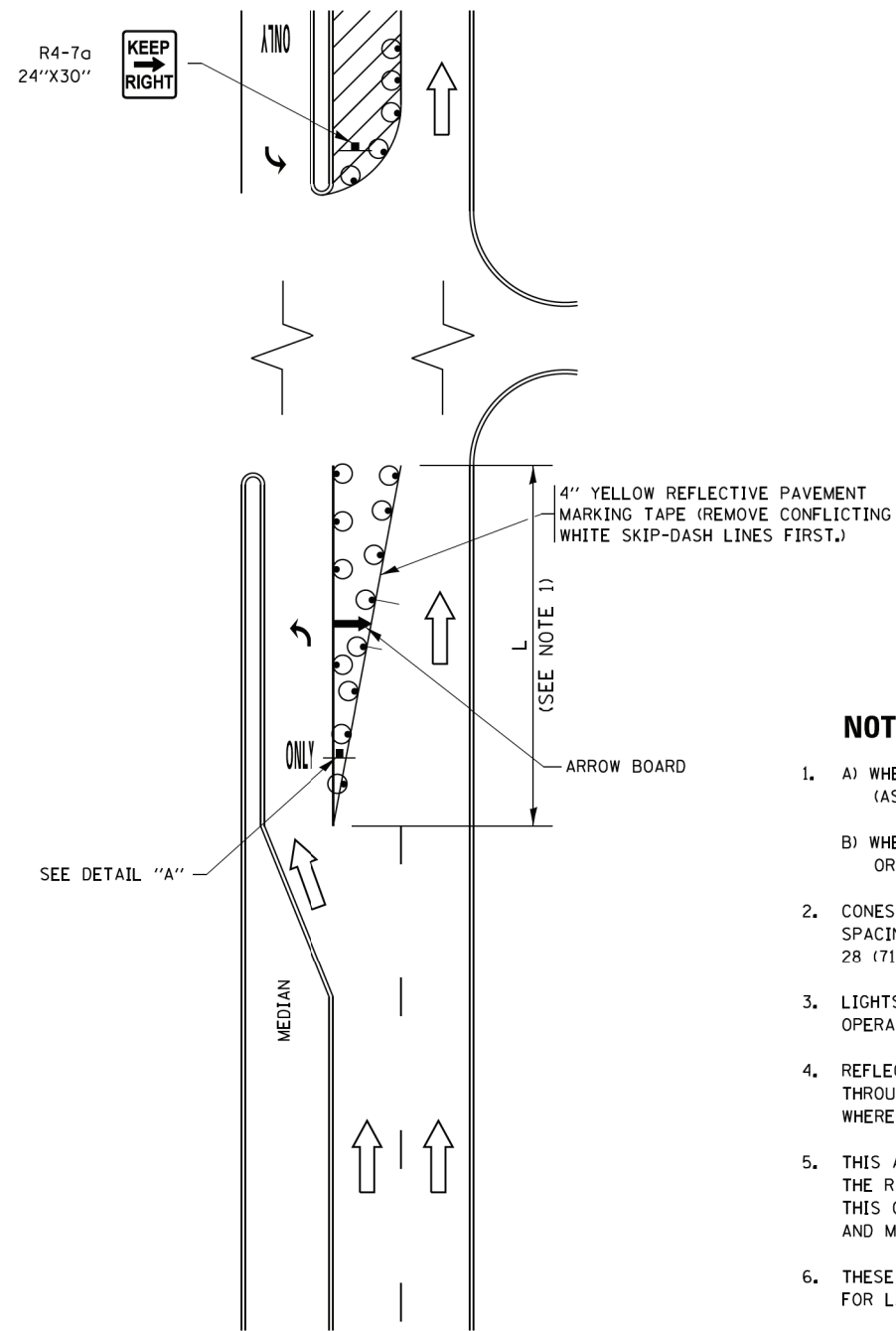


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

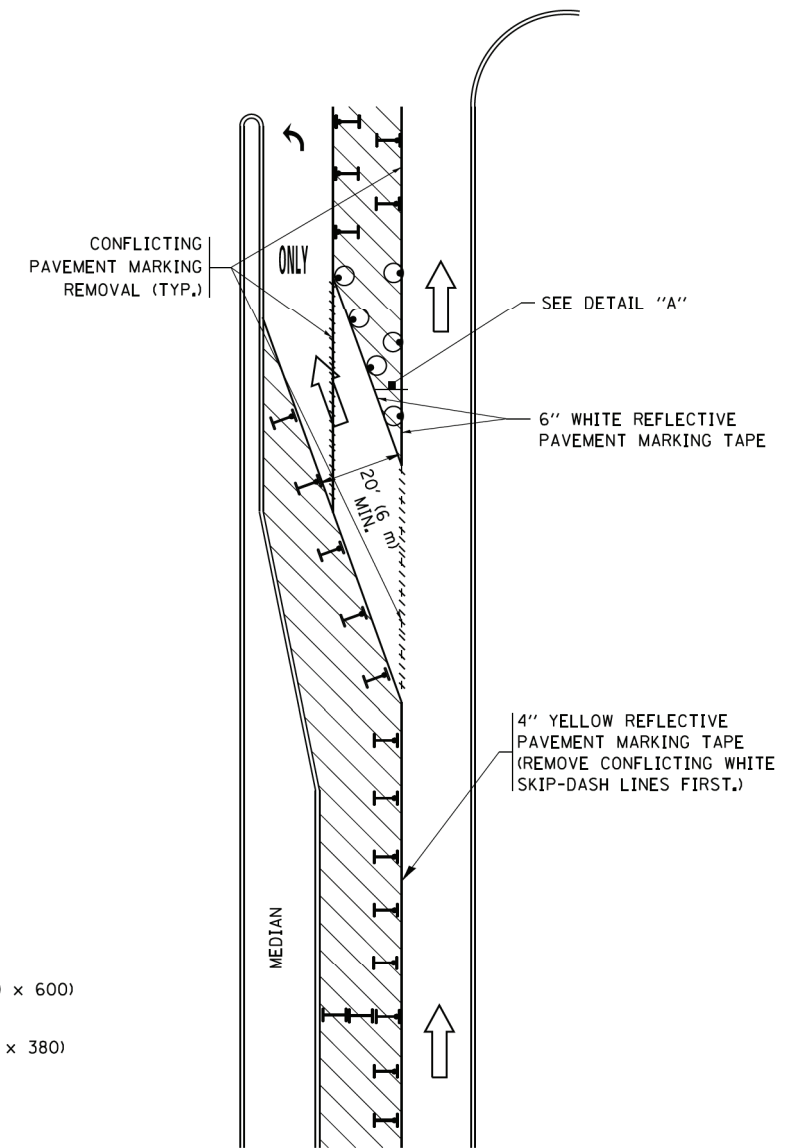


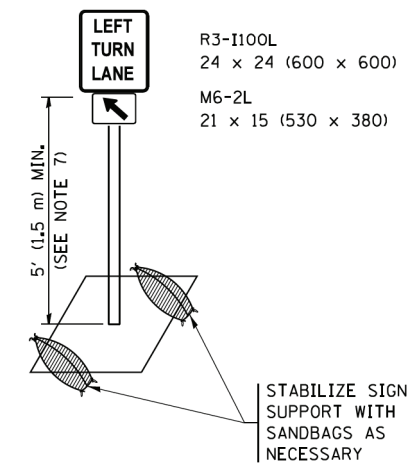
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A


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


FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A. RTE. = 2692	SECTION = 3941-R	COUNTY = COOK	TOTAL SHEETS = 331	SHEET NO. = 280
		REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.	TC-14		CONTRACT NO. 60T05	
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		ILLINOIS FED. AID PROJECT							
		REVISED - T. RAMMACHER 01-06-00	REVISED -									

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. 09-08-001
 PROJECT TITLE: I-55/2692/3941-R
 SHEET NO. 280 OF 331
 DATE: 9/15/2016






ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424






 FOR ILLINOIS ROUTES
M1-50-2424

 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

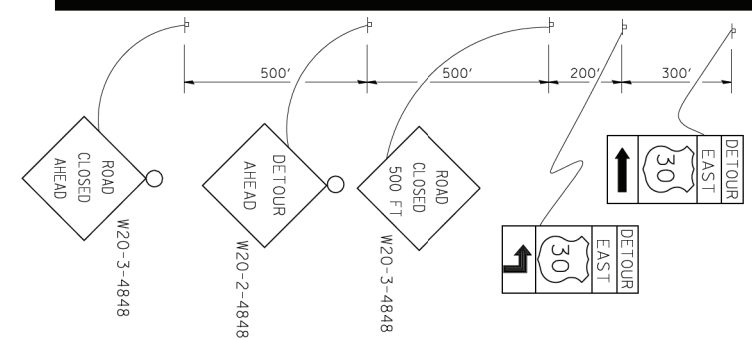
ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

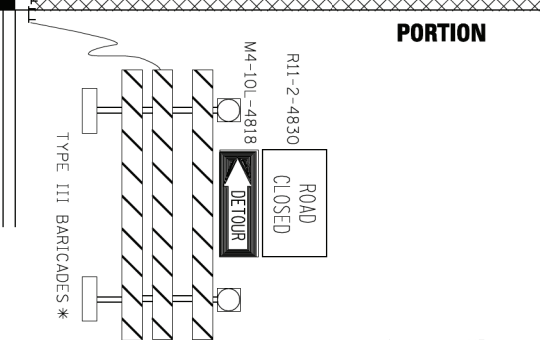
CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412

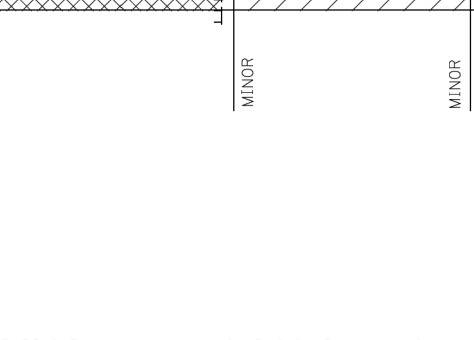
STATE ROUTE



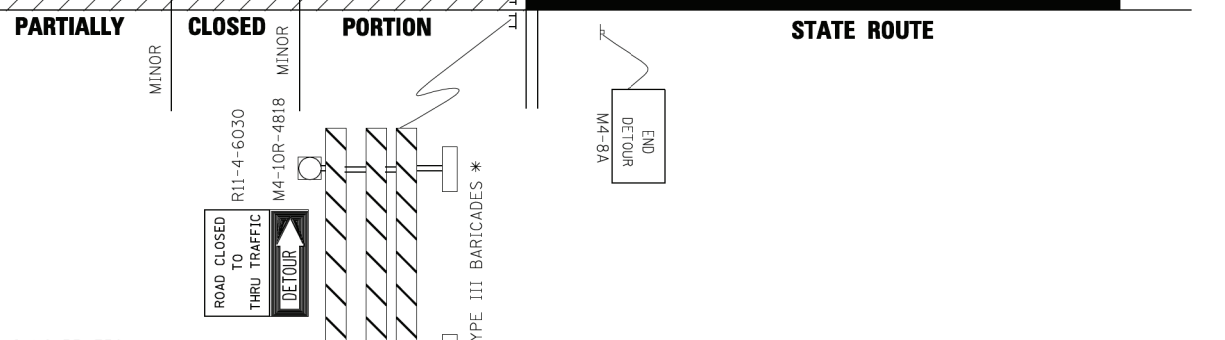
COMPLETELY CLOSED PORTION



PARTIALLY CLOSED PORTION



STATE ROUTE



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	2692	3941-R	COOK	331	282
		TC-21		CONTRACT NO. 60T05		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



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

NOTES:

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

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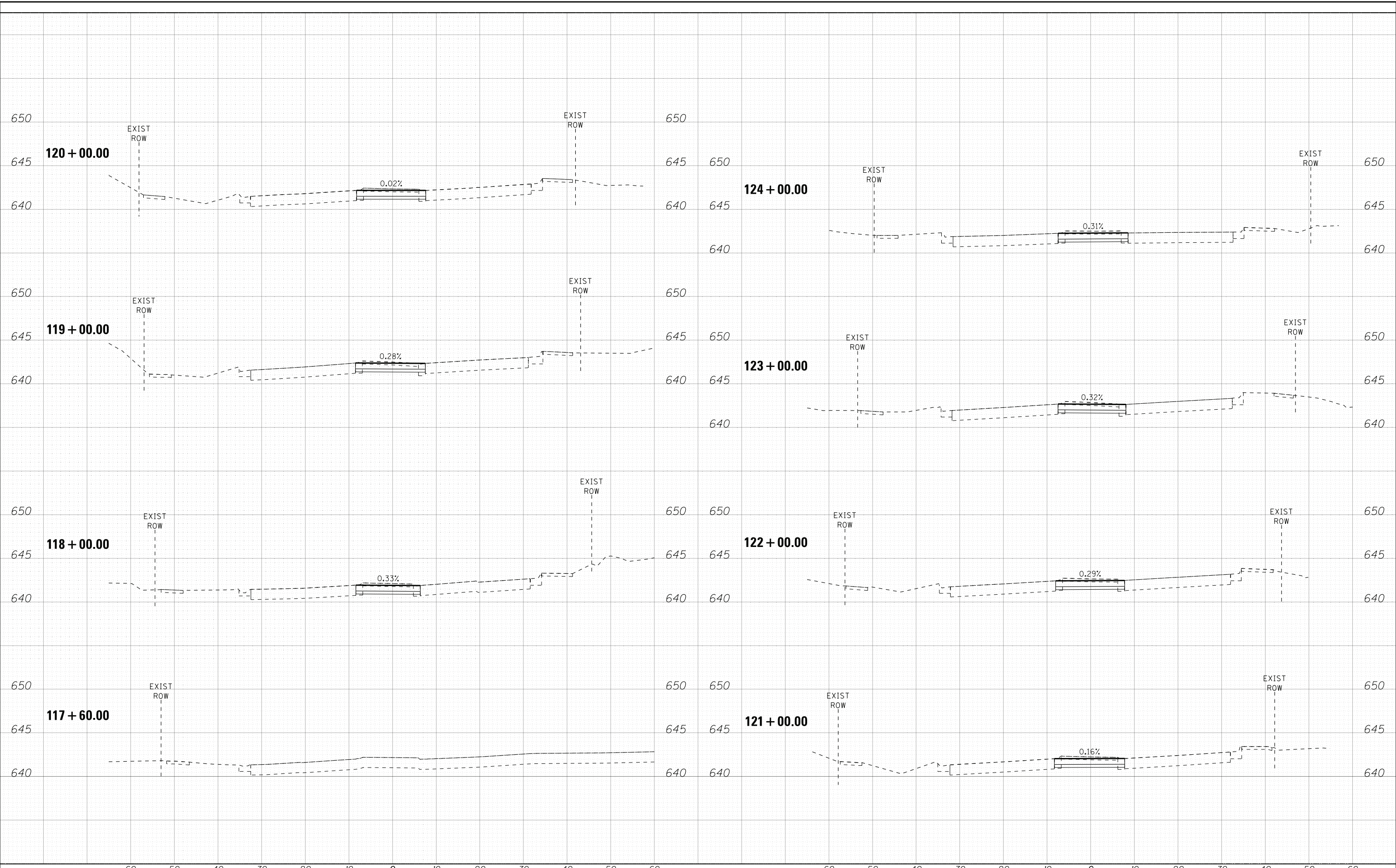
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. 2692	SECTION 3941-R	COUNTY COOK	TOTAL SHEETS 331	SHEET NO. 284
TC-26		CONTRACT NO. 60T05		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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Consulting Engineers

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

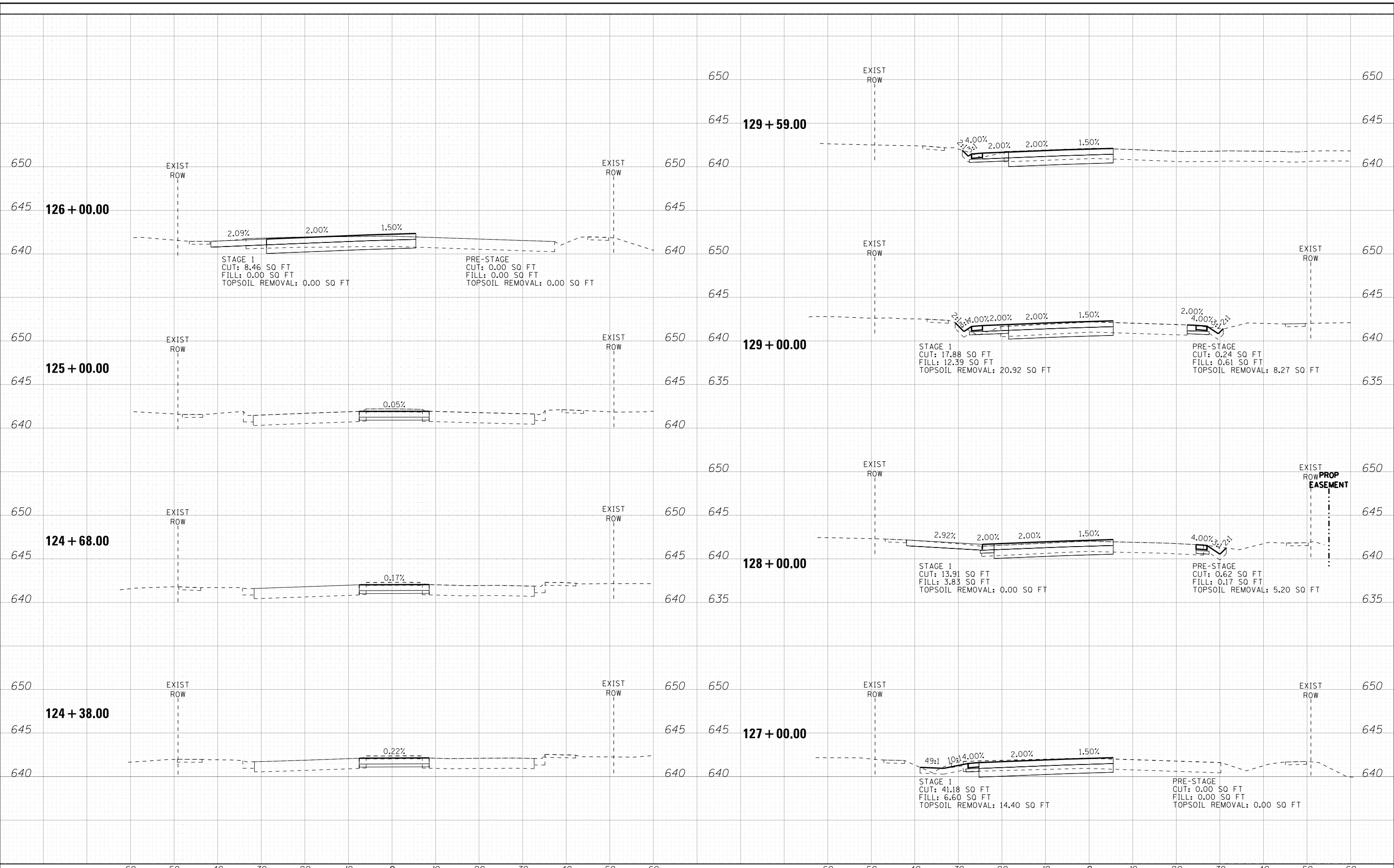
**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 117+60.00 TO STA. 124+00.00

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2692	3941-R	COOK	331	285
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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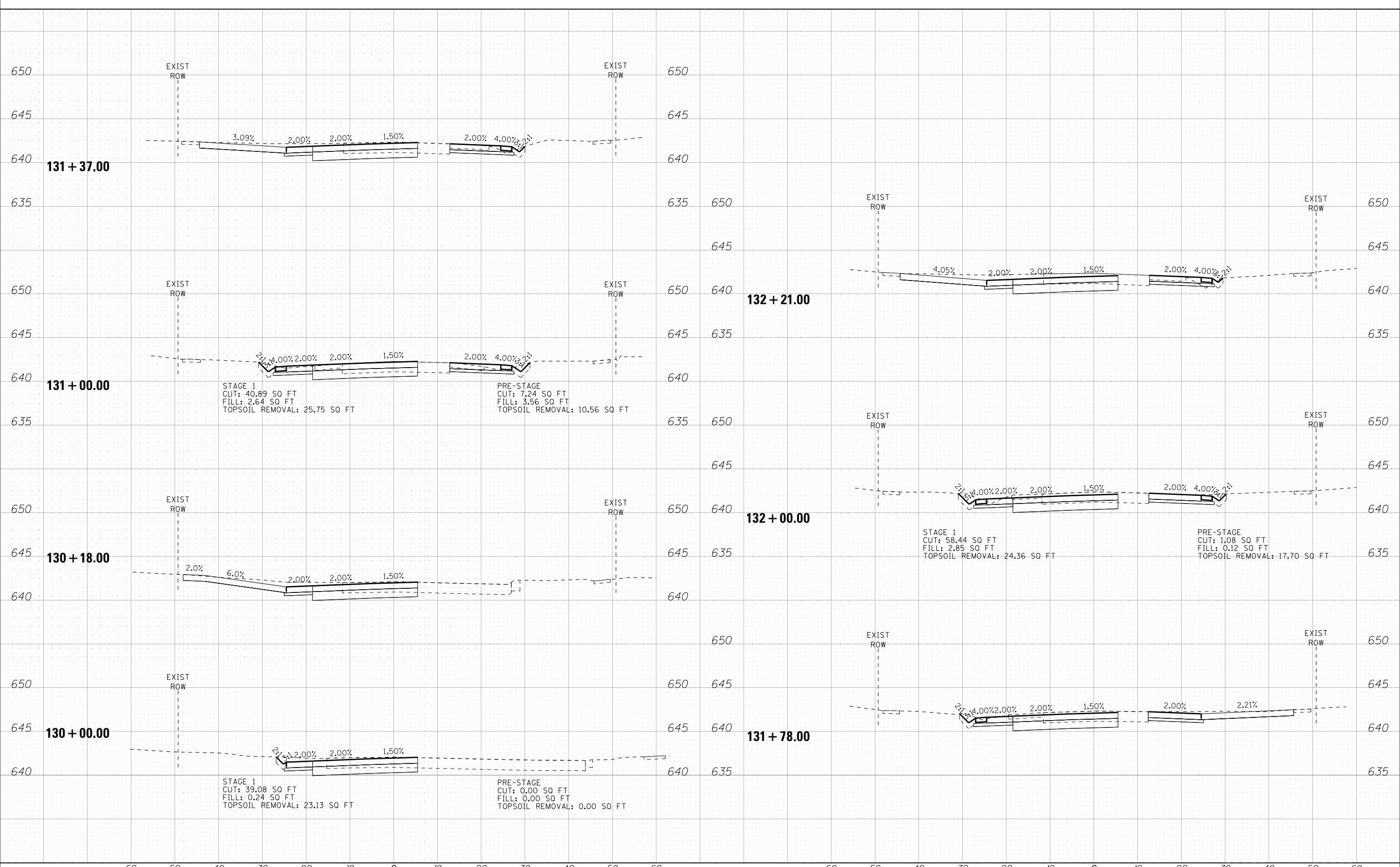
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5' STA. 124+38.00 TO STA. 129+59.00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	286
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

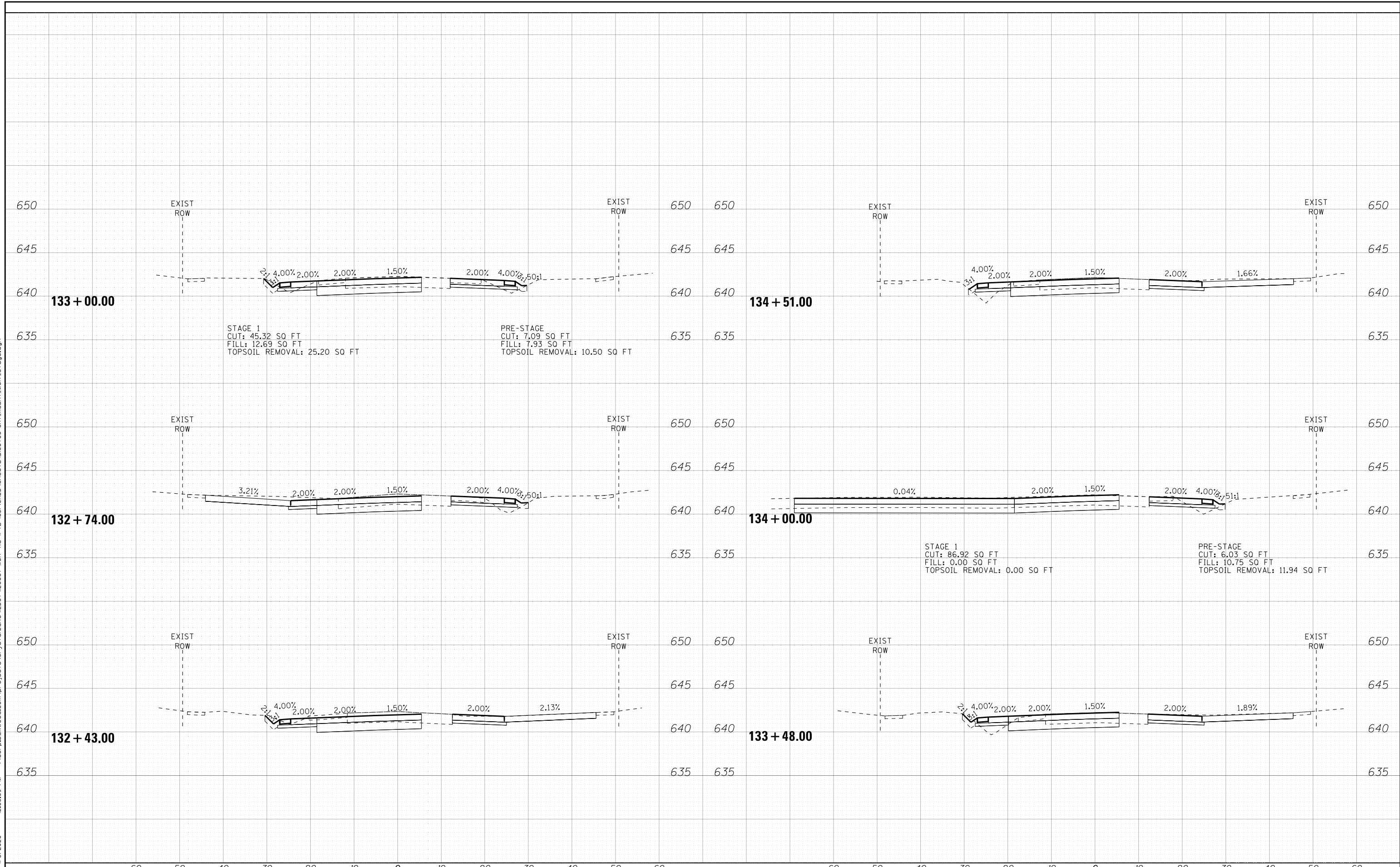
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TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 130+00.00 TO STA. 132+21.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	287
CONTRACT NO. 60T05				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

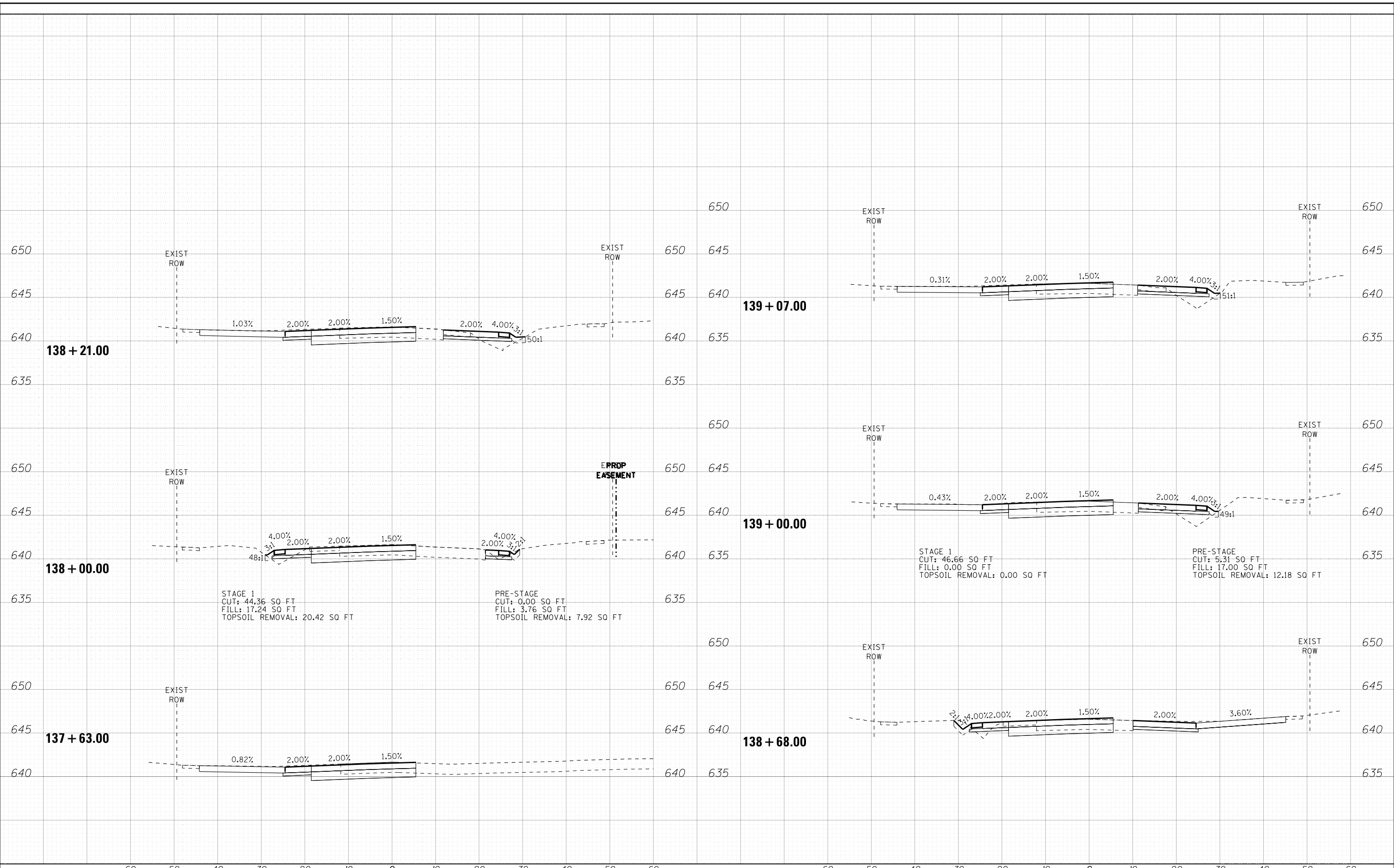
**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 132+43.00 TO STA. 134+51.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	288
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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STAGE 1
 CUT: 44.36 SQ FT
 FILL: 17.24 SQ FT
 TOPSOIL REMOVAL: 20.42 SQ FT

PRE-STAGE
 CUT: 0.00 SQ FT
 FILL: 3.76 SQ FT
 TOPSOIL REMOVAL: 7.92 SQ FT

STAGE 1
 CUT: 46.66 SQ FT
 FILL: 0.00 SQ FT
 TOPSOIL REMOVAL: 0.00 SQ FT

PRE-STAGE
 CUT: 5.31 SQ FT
 FILL: 17.00 SQ FT
 TOPSOIL REMOVAL: 12.18 SQ FT

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DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSstt_Wolf_Stage.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

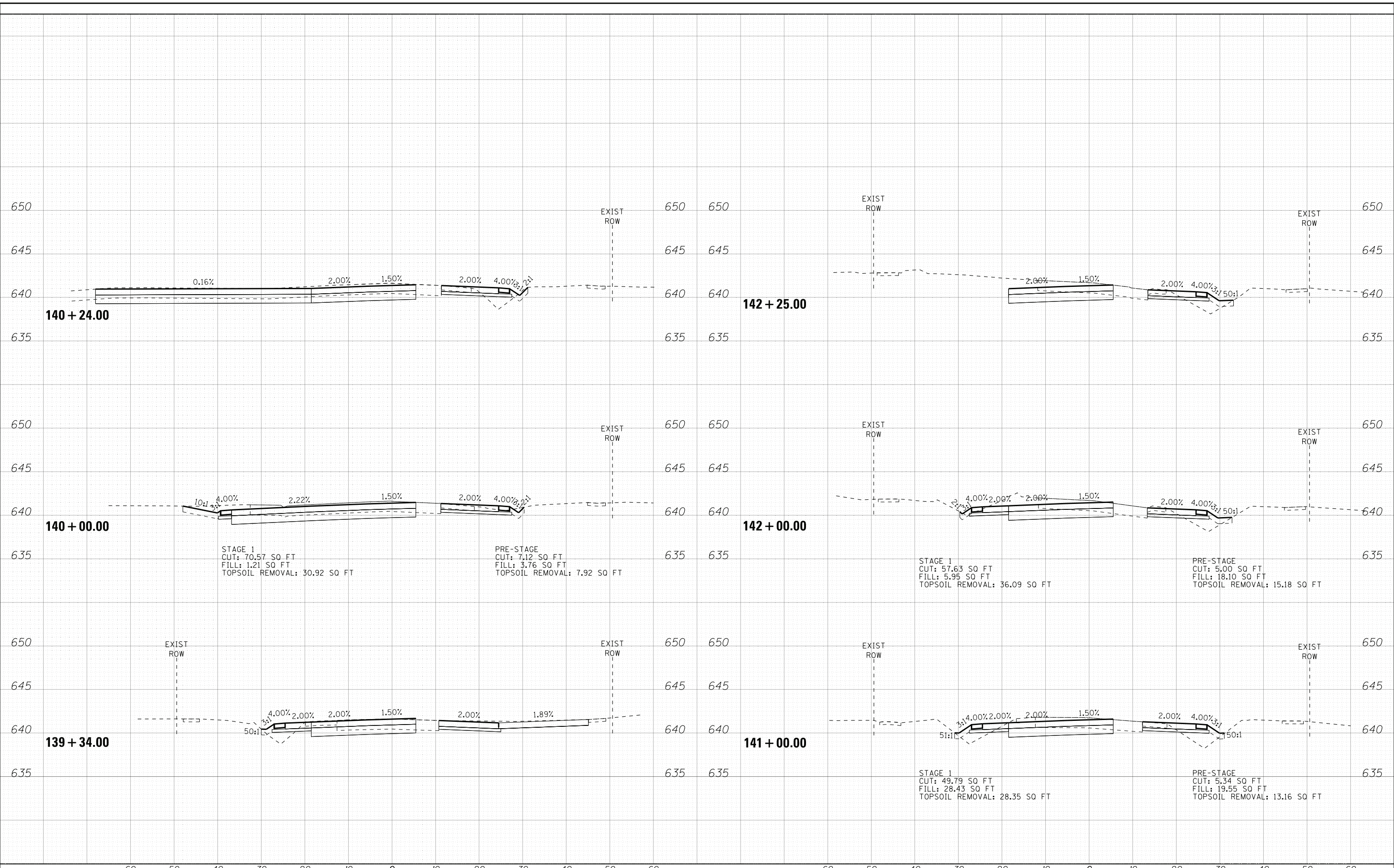
**CROSS SECTIONS
 TEMPORARY
 WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 137+63.00 TO STA. 139+07.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	290
CONTRACT NO. 60T05				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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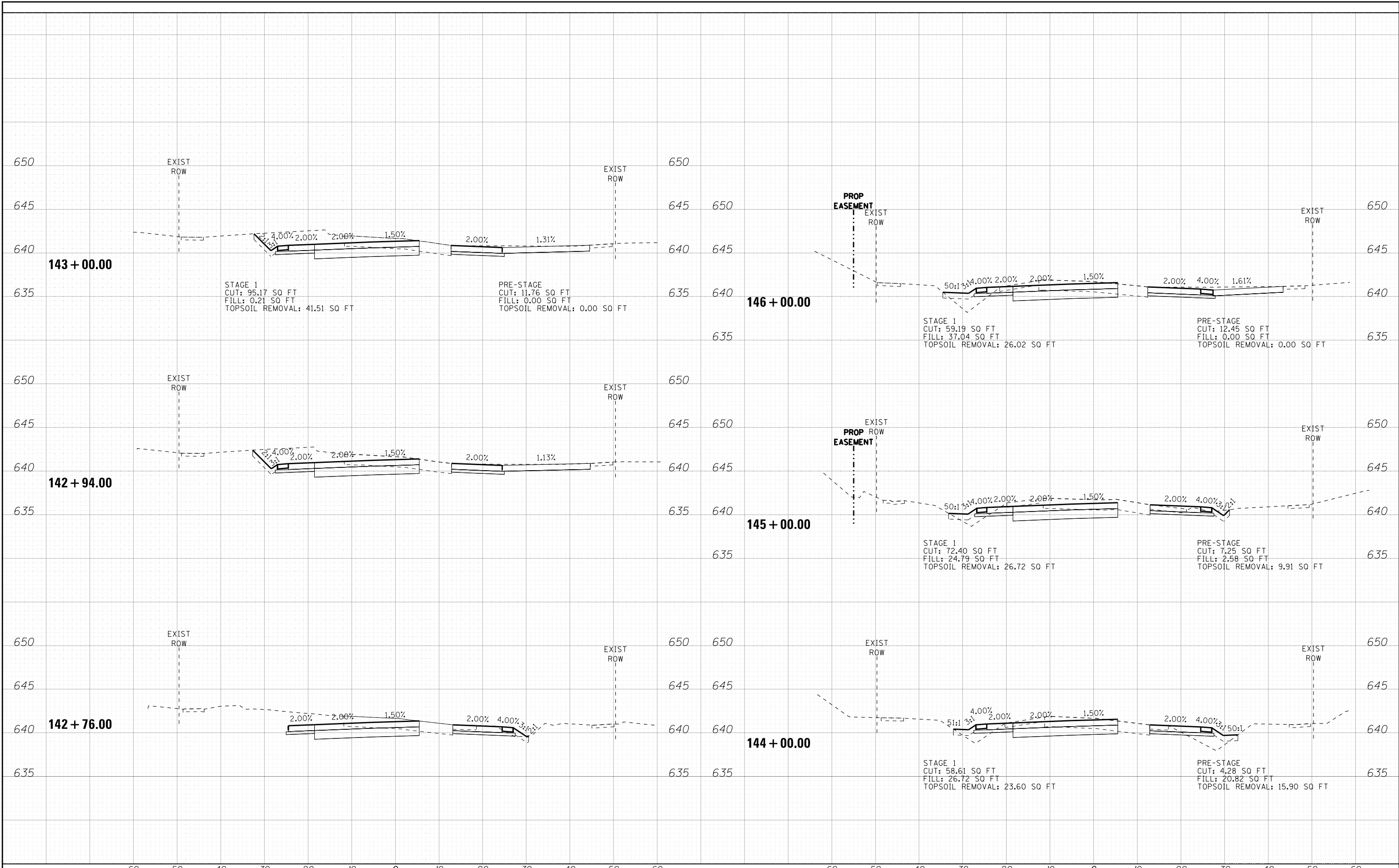
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5' STA. 139+34.00 TO STA. 142+25.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	291
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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Consulting Engineers

DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSsht_Wolf_Stage.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

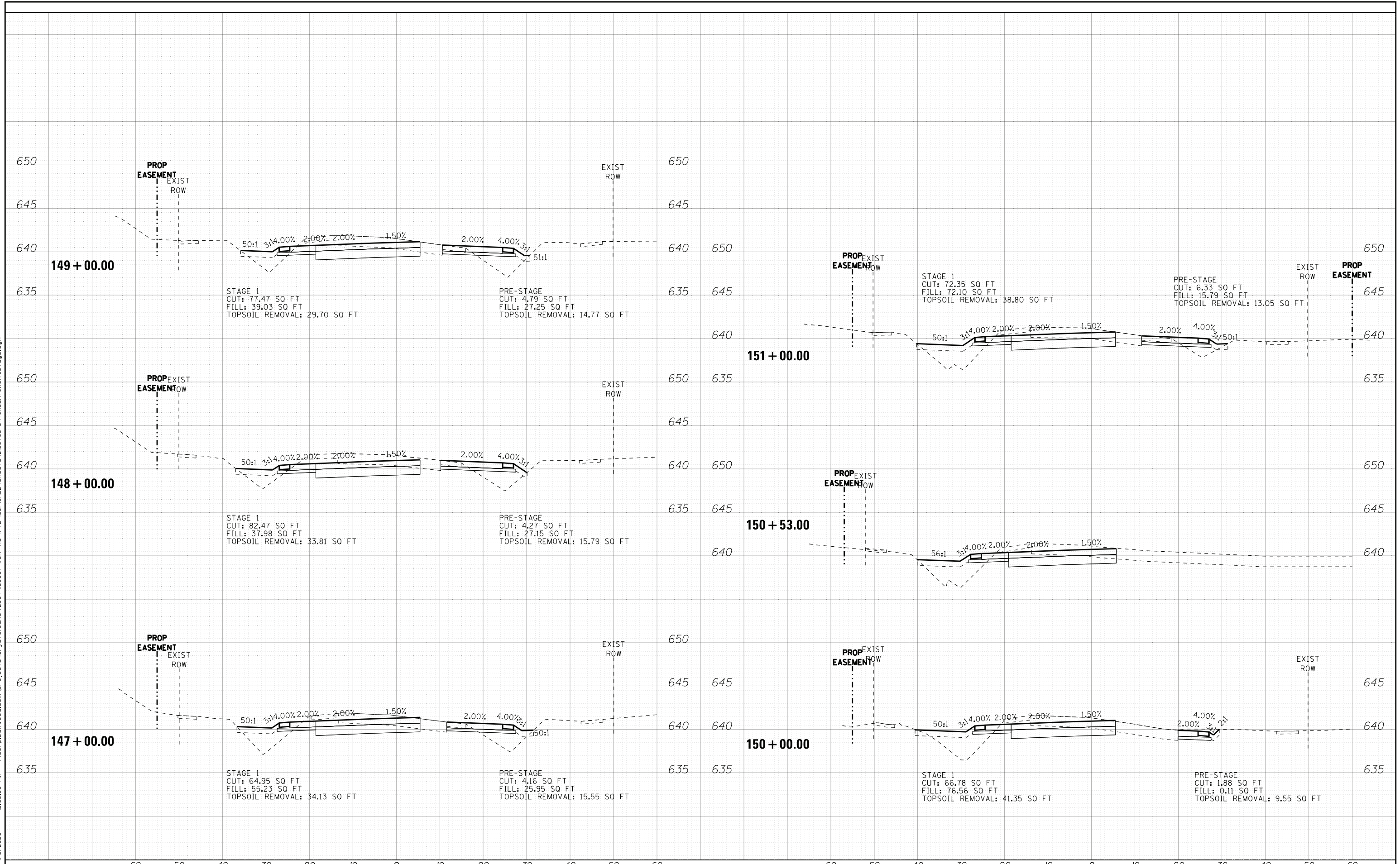
**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 142+76.00 TO STA. 146+00.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	292
CONTRACT NO. 60T05				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSsht_Wolf_Stage.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

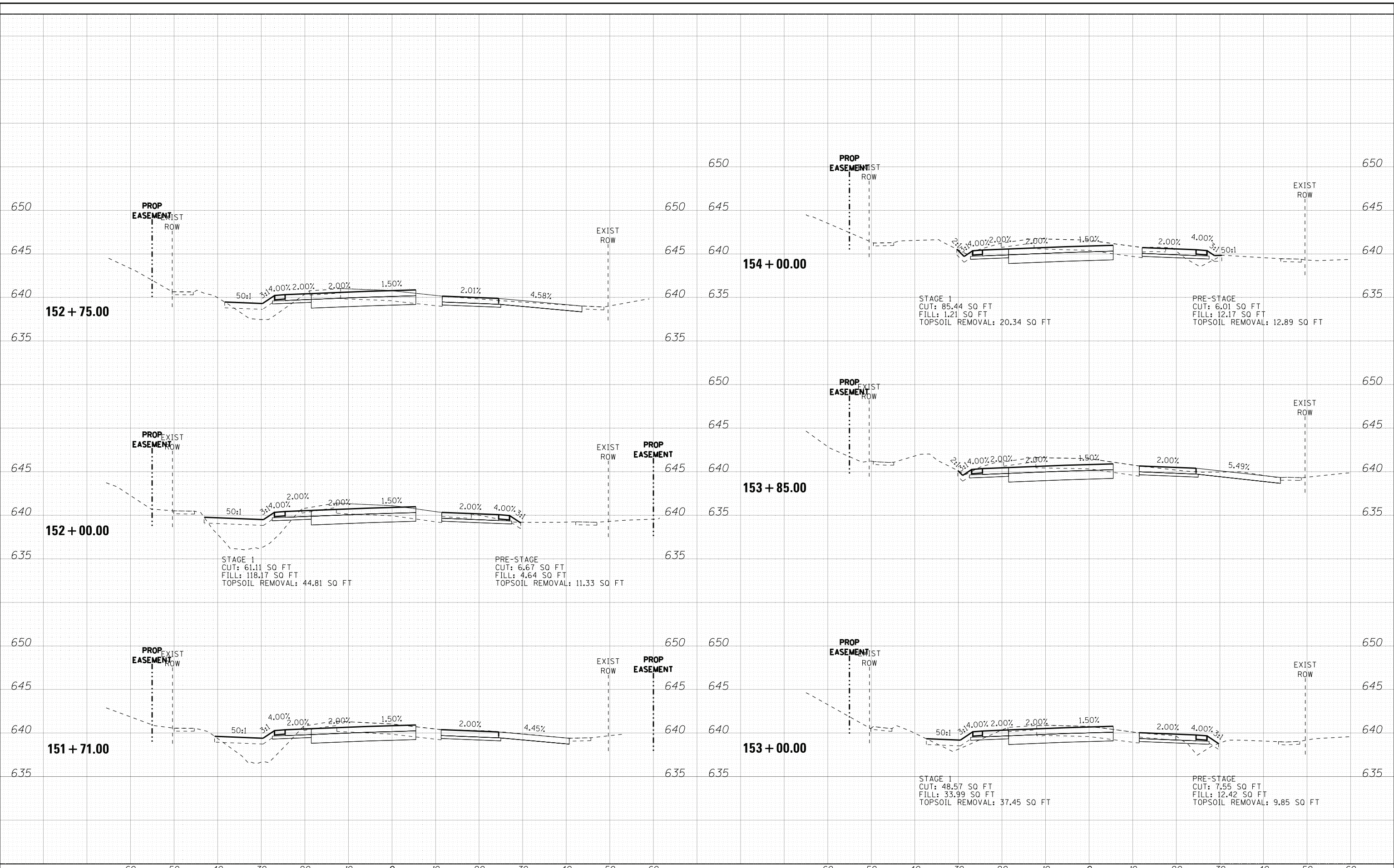
**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 147+00.00 TO STA. 151+00.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	293
CONTRACT NO. 60T05				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSsht_Wolf_Stage.dgn

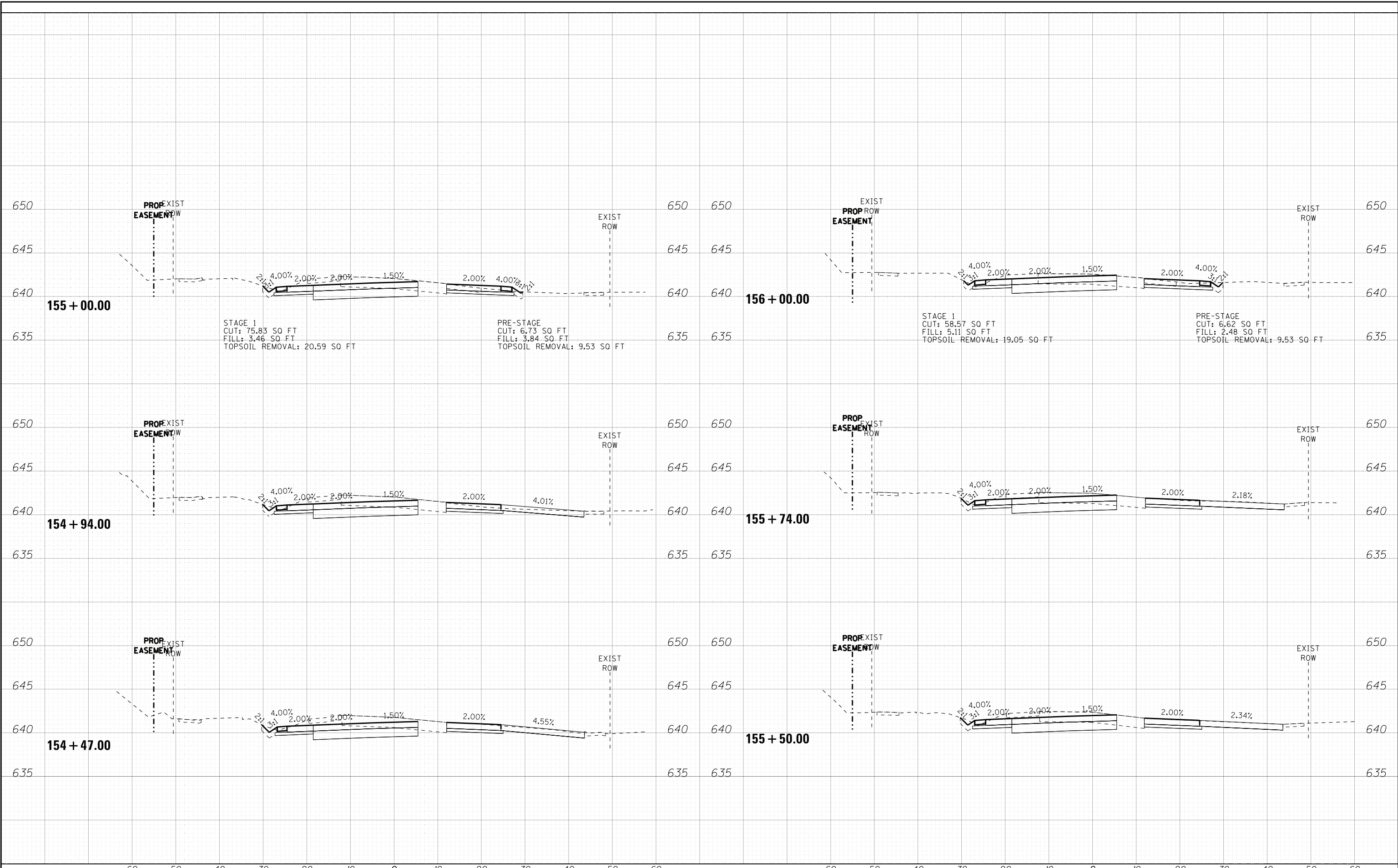
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5' STA. 151+71.00 TO STA. 154+00.00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	294
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

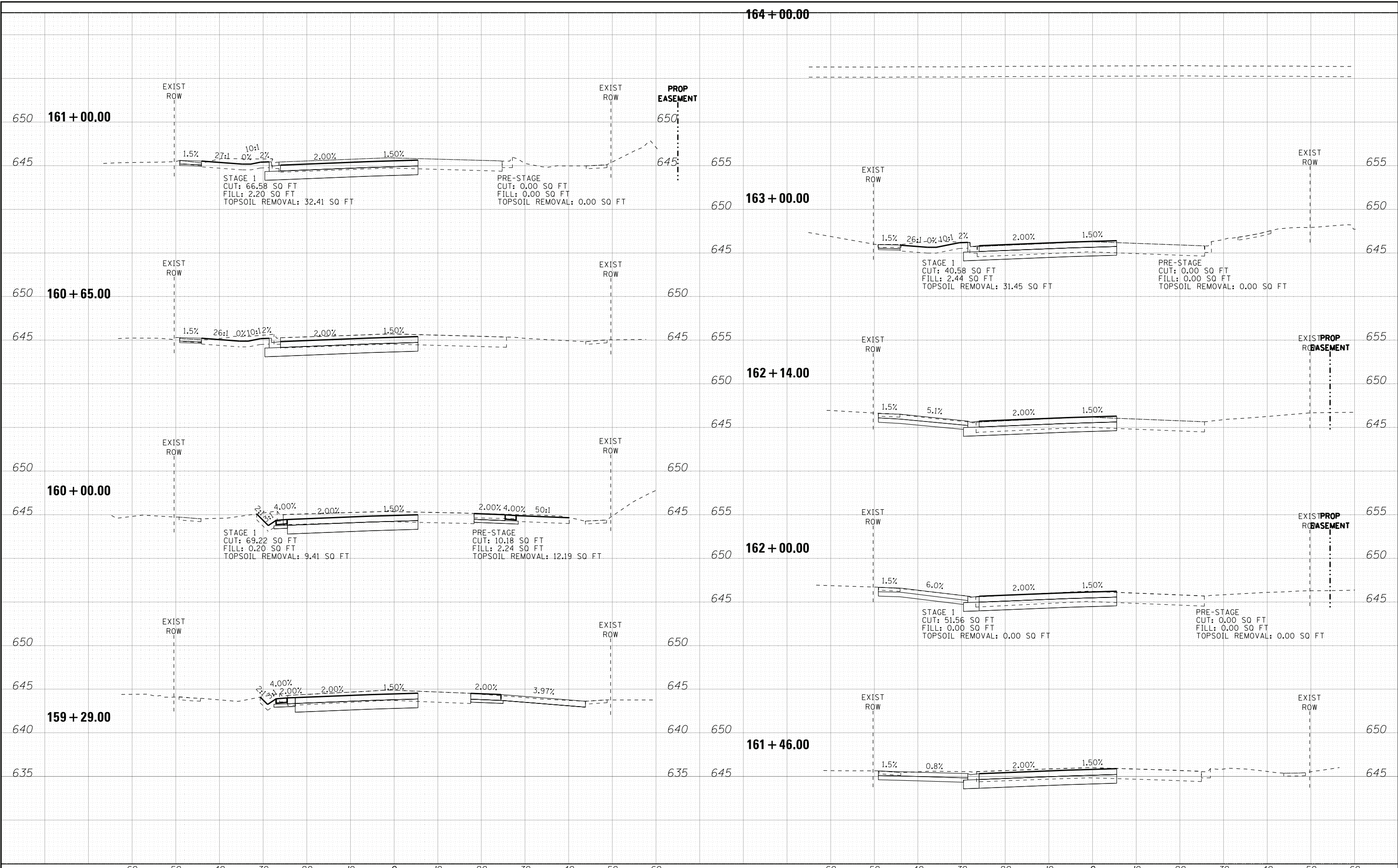
SCALE: H: 1"=10' V: 1"=5'

STA. 154+47.00 TO STA. 156+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	295
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**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

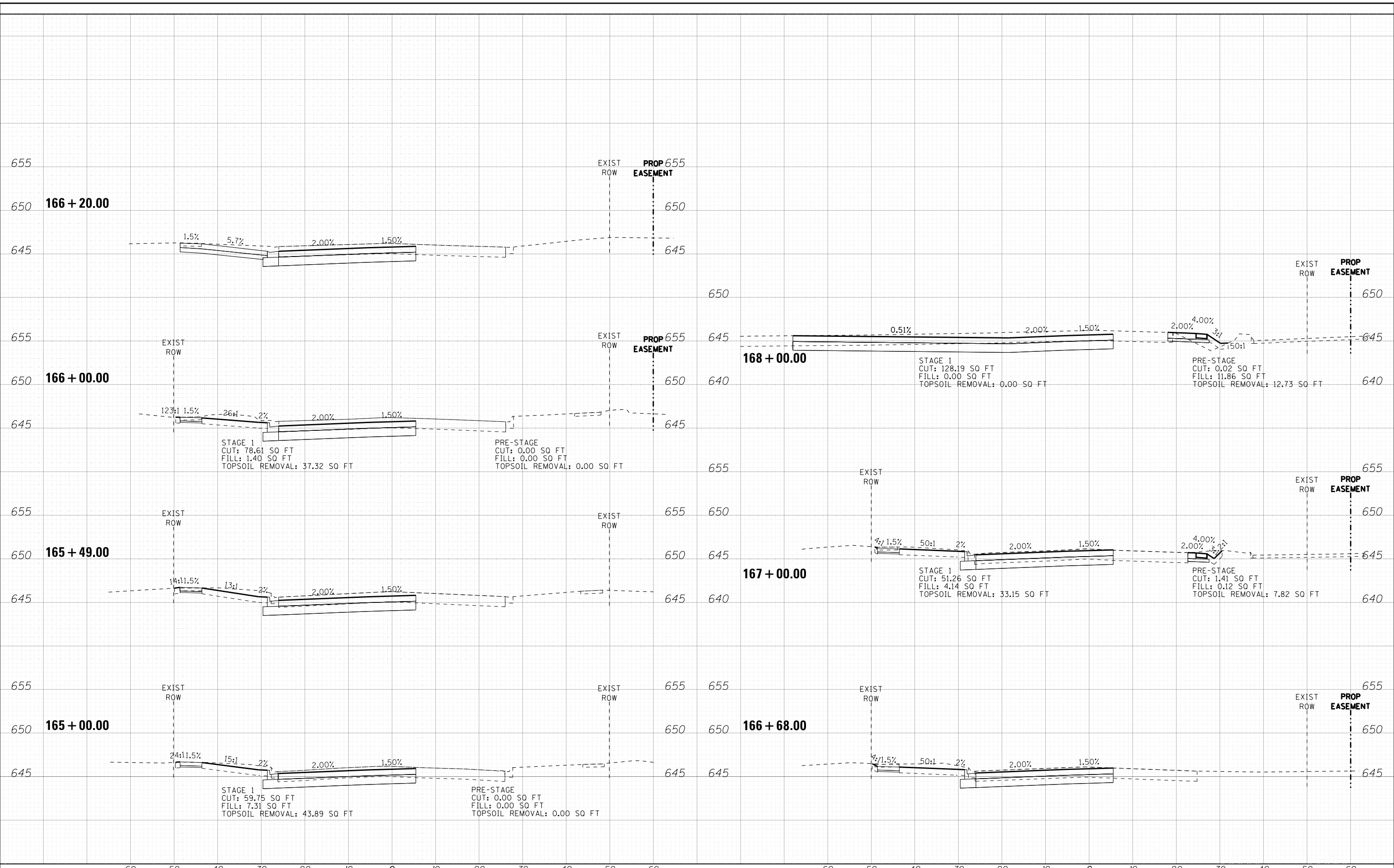
SCALE: H: 1"=10' V: 1"=5'

STA. 159+29.00 TO STA. 164+00.00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	297
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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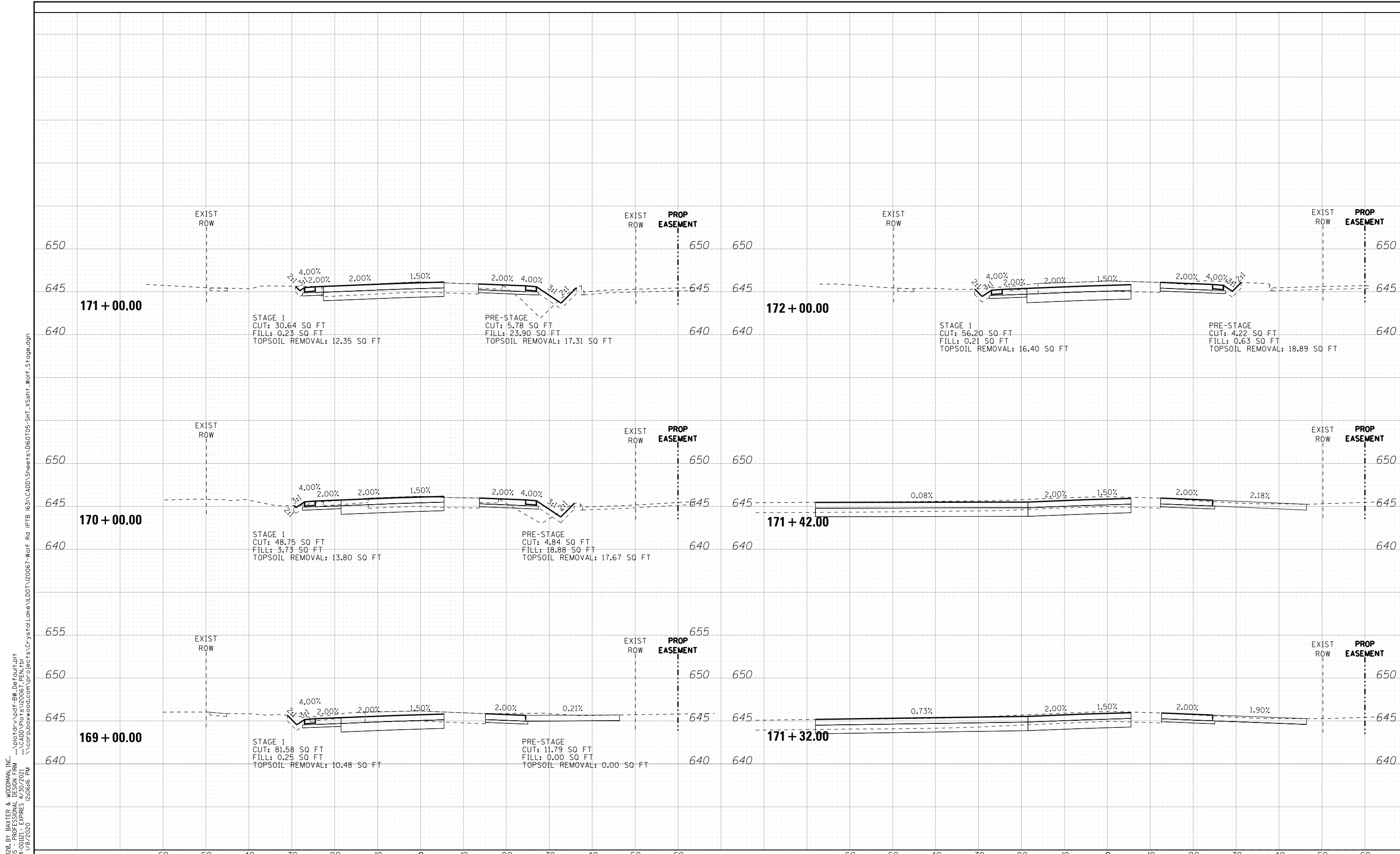
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DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSsht_Wolf_Stage.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 TEMPORARY
 WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'
 STA. 165+00.00 TO STA. 168+00.00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	298
CONTRACT NO. 60T05			ILLINOIS FED. AID PROJECT	



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DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSstt_Wolf_Stage.dgn

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DEPARTMENT OF TRANSPORTATION

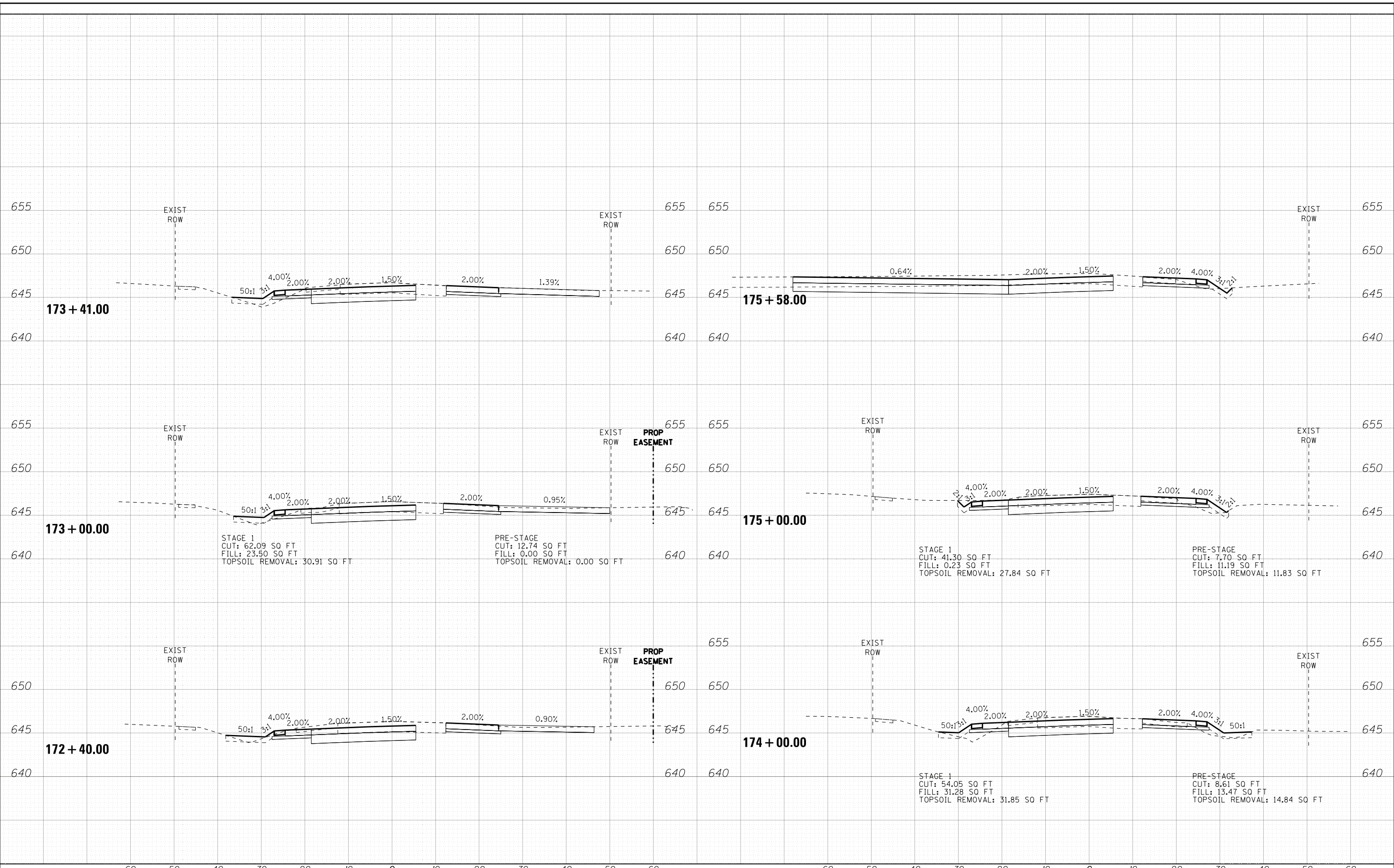
**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5'

STA. 169+00.00 TO STA. 172+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	299
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T05	

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DESIGNED - AMW	REVISED -
DRAWN - KAR	REVISED -
CHECKED - JFM	REVISED -
DATE - 1-10-20	FILE - D160T05-SHT_XSsht_Wolf_Stage.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TEMPORARY
WOLF ROAD**

SCALE: H: 1"=10' V: 1"=5' STA. 172+40.00 TO STA. 175+58.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	3941-R	COOK	331	300
CONTRACT NO. 60T05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				