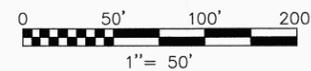


PT OF W 1/2 SEC 27 & PT OF E 1/2 SEC 28, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40007	SIMBA INVESTMENTS, LLC	3.029	0.294	0.000	2.735	0.262	27-27-300-007	TEMPORARY	
OH40008	MARQUETTE BANK AS TRUSTEE UNDER TRUST NO. 18800	4.270	0.386	0.000	3.884	0.000	27-27-300-010	TEMPORARY	
OH40008TE-A		N/A	N/A	N/A	N/A	0.052	27-27-321-007	TEMPORARY	
OH40008TE-B		N/A	N/A	N/A	N/A	0.229		TEMPORARY	
OH40009	AMERICAN CHARTERED BANK	1.085	0.035	0.000	1.050	0.105	27-27-320-006	TEMPORARY	
OH40009 SIGN EASEMENT		N/A	N/A	N/A	N/A	0.021		SIGN EASEMENT	
OH40010	SCP 2006-C23-214, LLC	1.796	0.115	0.000	1.681	0.076	27-27-320-005	TEMPORARY	
OH40010 SIGN EASEMENT		N/A	N/A	N/A	N/A	0.021		SIGN EASEMENT	
OH40011	SSM HEALTH CARE	60.009	2.398	0.000	57.611	0.000	27-27-100-015	TEMPORARY	
OH40011TE-A		N/A	N/A	N/A	N/A	0.051	27-27-100-019	TEMPORARY	

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS

CORNER	STATION	OFFSET
A	81+81.47	75.00 R
B	81+81.47	77.00 R
C	81+98.47	77.00 R
D	81+98.47	75.00 R
E	82+01.80	75.00 R
F	82+01.80	95.00 R
G	85+95.00	86.00 R
H	85+95.00	130.00 R
I	86+20.54	130.00 R
J	86+20.54	75.77 R
K	86+39.49	77.00 R
L	86+55.00	86.00 R
M	86+55.00	130.00 R



F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	401

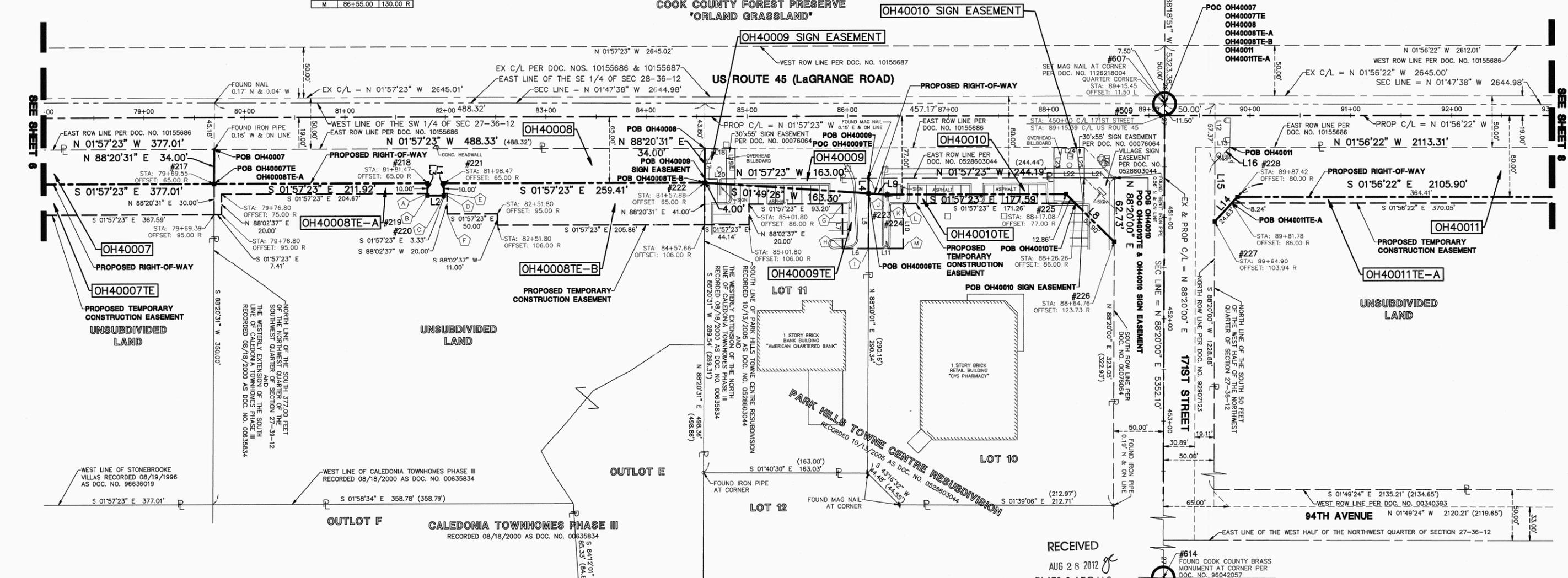
STATION 78+00 TO STATION 93+00

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT



UNSUBDIVIDED LAND  
COOK COUNTY FOREST PRESERVE  
'ORLAND GRASSLAND'

UNSUBDIVIDED LAND  
COOK COUNTY FOREST PRESERVE  
'ORLAND GRASSLAND'



DATE	BY	MADE	CHECKED	INKED

R.O.W. PLAT	NO.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- EX. CONCRETE CURB & GUTTER
- EX. EDGE OF PAVEMENT
- EX. GUARD RAIL
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
- STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- POINT OF BEGINNING
- POINT OF COMMENCEMENT
- EX. MISCELLANEOUS MANHOLE (MH)
- EX. STORM MANHOLE (BH)
- EX. STORM CATCH BASIN (CB)
- EX. STORM INLET (NL)
- EX. FLARED END SECTION (FES)
- EX. SANITARY MANHOLE (SMH)
- EX. FIRE HYDRANT/AUX. VALVE
- EX. VALVE BOX
- EX. VALVE VAULT (V.V.)
- EX. IRRIGATION CONTROL BOX
- EX. ELECTRICAL METER
- EX. ELECTRICAL OUTLET
- EX. UTILITY POLE
- EX. UTILITY POLE WITH LIGHT
- EX. GUY WIRE
- EX. LIGHT STANDARD
- EX. STREET LIGHT
- EX. GROUND LIGHT
- EX. SIGN
- EX. DOUBLE POLE SIGN
- EX. MAILBOX
- EX. BOLLARD
- EX. FLAG POLE
- EX. ELECTRICAL EQUIPMENT
- EX. TELEPHONE PEDESTAL

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	N 88°02'37" E	12.00'	L14	S 48°41'00" E	32.87'
L2	S 01°57'23" E	17.00'	L15	S 88°20'00" W	57.94'
L3	S 88°02'37" W	12.00'	L16	N 46°48'11" W	21.28'
L4	N 88°20'01" E	14.77'	L17	S 88°20'31" W	30.00'
L5	N 88°20'01" E	54.23'	L18	N 01°57'23" W	30.00'
L6	S 01°57'23" E	25.54'	L19	N 88°20'31" E	30.00'
L7	S 88°02'37" W	44.00'	L20	S 01°57'23" E	30.00'
L8	S 42°27'43" W	66.76'	L21	S 01°57'23" E	30.00'
L9	S 01°49'26" W	18.71'	L22	S 01°57'23" E	30.00'
L10	N 88°02'37" E	44.00'	L23	S 88°20'00" W	30.00'
L11	S 01°57'23" E	34.46'	L24	N 01°57'23" W	30.00'
L12	N 88°20'00" E	42.37'	L25	N 88°20'00" E	30.00'
L13	N 01°56'22" W	15.00'			

STATE OF ILLINOIS } SS  
COUNTY OF DuPAGE } SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 37 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 21ST DAY OF AUGUST A.D., 2012.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350  
LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013

REVISION DATE	DESCRIPTION	INITIALS
08/21/12	ADDED OH40009 & OH40010 SIGN EASEMENTS	BJP
10/17/11	ISSUED FINAL SURVEY TO IDOT	WWW
08/15/11	DELETED PARCEL OH40145	WWW
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
07/14/11	DELETE TEMPORARY EASEMENT OH40145TE-D	BJP
02/14/11	PER ENGINEERING CONSULTANT MEMO	BJP



IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



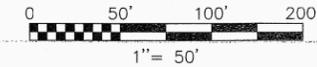
PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 330/US ROUTE 45  
SECTION: 131st St to 179th St COOK COUNTY  
PROJECT: JOB NO. R-90-004-07  
STATION 78+00 TO STATION 93+00

SCALE: 1" = 50' SHEET 7 OF 55

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

PT OF NW 1/4 SEC 27 & PT OF NE 1/4 SEC 28, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40011	SSM HEALTH CARE	60.009	2.398	0.000	57.611	0.000	27-27-100-015 27-27-100-019	N/A	
OH40011TE-A		N/A	N/A	N/A	N/A	0.051		TEMPORARY	
OH40011TE-B		N/A	N/A	N/A	N/A	0.197		TEMPORARY	



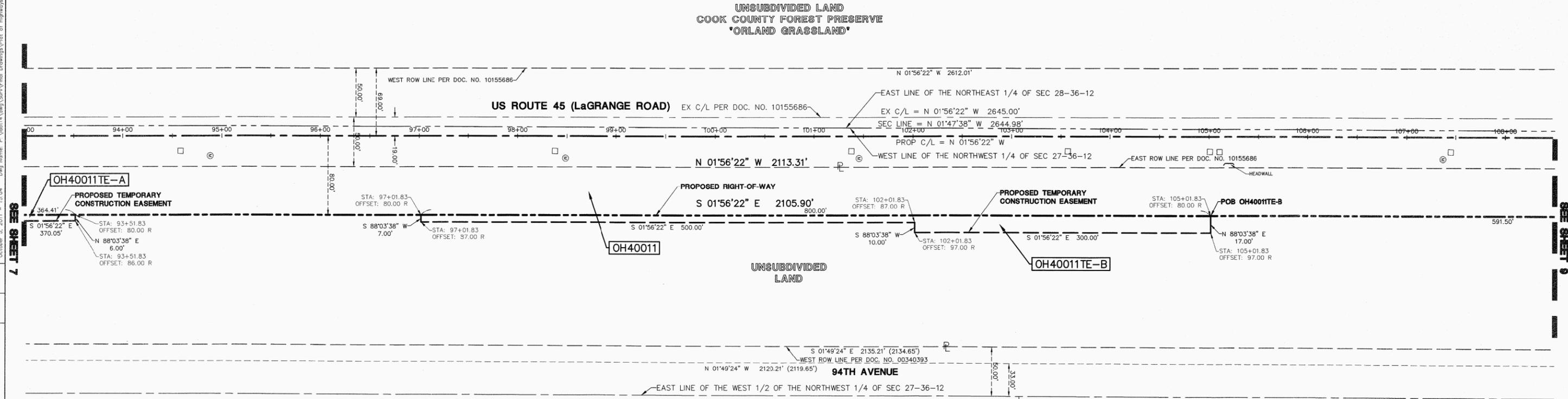
F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	402
STATION 93+00 TO STATION 108+00				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

October 5, 2011 - 15:04 Dwg Name: P:\est14\reg\Surv\Final Drawings\Plot of Highways\08-STA-093-108.dwg Updated By: bwright

SEE SHEET 7

SEE SHEET 9

DATE	BY	MADE	CHECKED	INKED	NOTEBOOK NO.



LEGEND	
	SECTION CORNER
	QUARTER SECTION CORNER
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER, QUARTER SECTION LINE
	PLATTED LOT LINE
	PROPERTY (DEED) LINE
	CENTERLINE
	EXISTING RIGHT-OF-WAY LINE
	PROPOSED RIGHT-OF-WAY LINE
	PROPOSED EASEMENT
	MEASURED DIMENSION
	COMPUTED DIMENSION
	RECORD DATA
	EXISTING BUILDING
	EX. CONCRETE CURB & GUTTER
	EX. EDGE OF PAVEMENT
	EX. GUARD RAIL
	PK NAIL SET
	REPLACED AFTER CONSTRUCTION
	IRON ROD SET
	IRON PIPE OR ROD FOUND
	CUT CROSS FOUND OR SET
	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
	STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
	POINT OF BEGINNING
	POINT OF COMMENCEMENT
	EX. MISCELLANEOUS MANHOLE (MH)
	EX. STORM MANHOLE (MH)
	EX. STORM CATCH BASIN (CB)
	EX. STORM INLET (INL)
	EX. FLARED END SECTION (FES)
	EX. SANITARY MANHOLE (SMH)
	EX. FIRE HYDRANT/AUX. VALVE
	EX. VALVE BOX
	EX. VALVE VAULT (V.V.)
	EX. IRRIGATION CONTROL BOX
	EX. ELECTRICAL METER
	EX. ELECTRICAL OUTLET
	EX. UTILITY POLE
	EX. UTILITY POLE WITH LIGHT
	EX. GUY WIRE
	EX. LIGHT STANDARD
	EX. STREET LIGHT
	EX. GROUND LIGHT
	EX. SIGN
	EX. DOUBLE POLE SIGN
	EX. MAILBOX
	EX. BOLLARD
	EX. FLAG POLE

**SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS**

STATE OF ILLINOIS )  
COUNTY OF DUPAGE ) SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 37 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 17TH DAY OF OCTOBER A.D., 2011.

*William W. Wright*  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350  
LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013



RECEIVED  
OCT 24 2011  
PLATS & LEGALS

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

700 Spring Drive, Lombard, IL 60148 ph: 630.681.8900 fx: 630.681.8988 manhard.com  
Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers  
Construction Managers • Environmental Scientists • Landscape Architects • Planners

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 330/US ROUTE 45  
SECTION: 131st St to 179th St COOK COUNTY  
PROJECT: JOB NO. R-90-004-07  
STATION 93+00 TO STATION 108+00

SCALE: 1" = 50' SHEET 8 OF 55

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196

REVISION DATE	DESCRIPTION	INITIALS
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
08/15/11	DELETED TOTAL HOLDING DETAIL FOR PARCEL OH40145	WWW
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
07/14/11	DELETE TEMPORARY EASEMENTS OH40145TE-B, OH40145TE-C, OH40145TE-D, & OH40145TE-E	BJP
02/14/11	PER ENGINEERING CONSULTANT MEMO	BJP
10/15/10	REVISED TOTAL HOLDING FOR PARCEL OH40145	BJP
09/17/10	PER IDOT REVIEW	BJP

RECORDING: RECORDED ON AS DOCUMENT NO.

PT OF SEC 21, 22, 27 & 28, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40011	SSM HEALTH CARE	60.009	2.398	0.000	57.611	0.000	27-27-100-015	N/A	
OH40012	JACK DEVELOPMENT, LLC	3.335	0.169	0.000	3.166	0.000	27-27-100-022	TEMPORARY	
OH40012E-A		N/A	N/A	N/A	N/A	0.032			
OH40012E-B		N/A	N/A	N/A	N/A	0.013			
OH40013	RDV VENTURES, LLC	0.916	0.154	0.000	0.762	0.000	27-27-100-017	TEMPORARY	
OH40013E-A		N/A	N/A	N/A	N/A	0.098			
OH40013E-B		N/A	N/A	N/A	N/A	0.030			
OH40014	ADVOCATE HEALTH AND HOSPITALS CORPORATION	16.217	0.519	0.000	15.698	0.000	27-22-300-024	TEMPORARY	
OH40014E-A		N/A	N/A	N/A	N/A	0.516			
OH40141	K2 DEVELOPMENT, LLC	1.230	0.010	0.000	1.220	0.008	27-21-403-010	TEMPORARY	
OH40142E	K2 DEVELOPMENT LLC II	0.746	N/A	N/A	N/A	0.036	27-21-403-008	TEMPORARY	
OH40143	FIRST NATIONAL BANK OF ILLINOIS AS TRUSTEE UNDER TRUST NO. 3761	3.092	215.30 FT. 0.005 AC.	0.000	3.087	0.000	27-21-403-009	N/A	
OH40143E-A		N/A	N/A	N/A	N/A	0.026			
OH40143E-B		N/A	N/A	N/A	N/A	0.063			

\*\* SEE SHEET 30 FOR DETAIL OF OH40012E-B

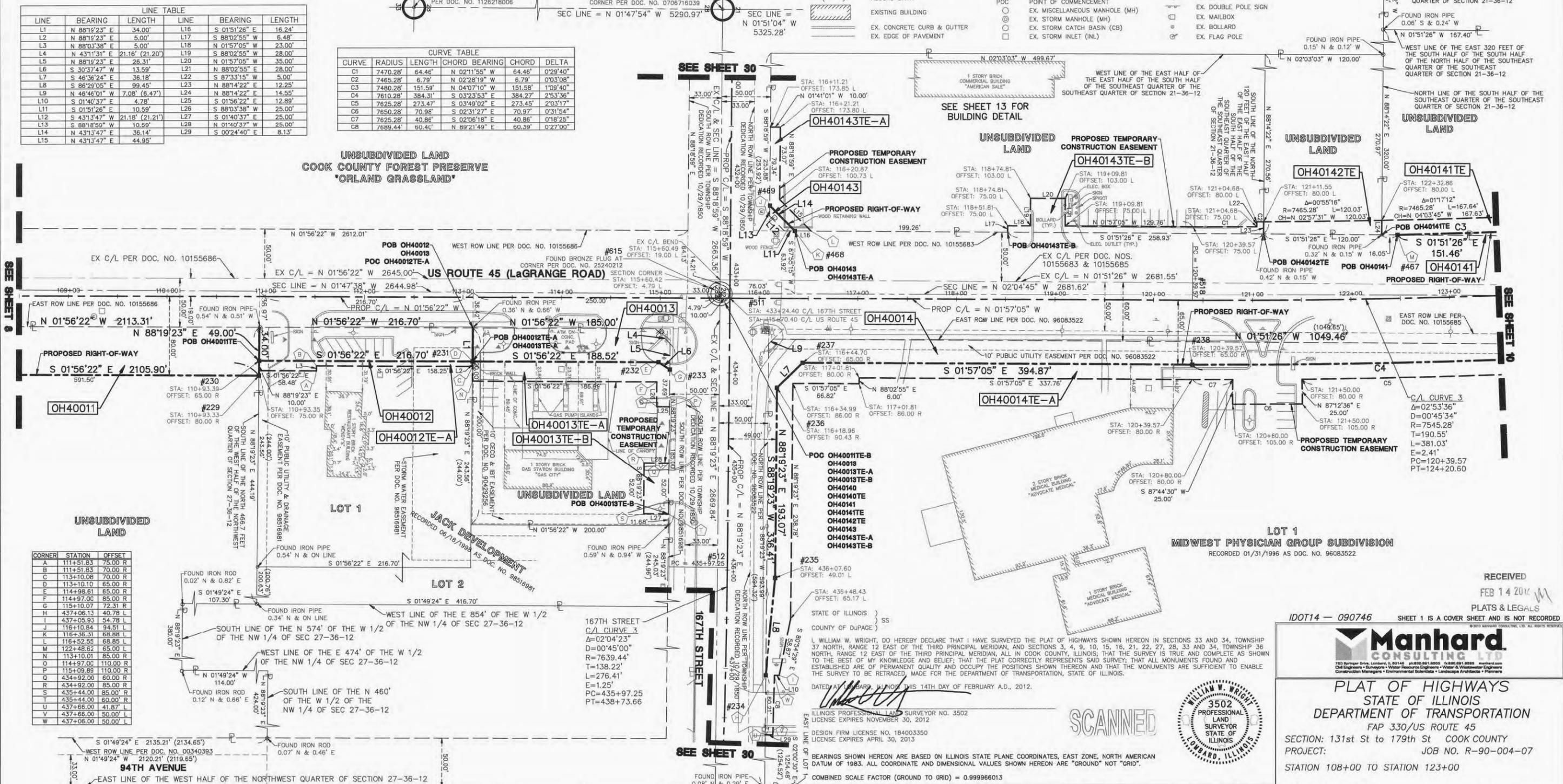
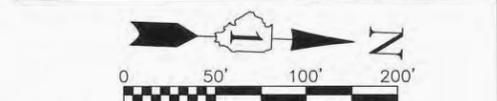
LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	N 88°19'23" E	34.00'	L16	S 01°51'26" E	16.24'
L2	N 88°19'23" E	5.00'	L17	S 88°02'55" W	6.48'
L3	N 88°03'38" E	5.00'	L18	N 01°57'05" W	23.00'
L4	N 43°13'47" E	21.16' (21.20')	L19	S 88°02'55" W	28.00'
L5	N 88°19'23" E	26.31'	L20	N 01°57'05" W	35.00'
L6	S 30°37'47" W	13.59'	L21	N 88°02'55" E	28.00'
L7	S 46°36'24" E	36.18'	L22	S 87°33'15" W	5.00'
L8	S 86°29'05" E	99.45'	L23	N 88°14'22" E	12.25'
L9	N 46°46'01" W	7.08' (6.47')	L24	N 88°14'22" E	14.55'
L10	S 01°40'37" E	4.78'	L25	S 01°56'22" E	12.89'
L11	S 01°51'26" E	10.59'	L26	S 88°03'38" W	25.00'
L12	S 43°13'47" W	21.18' (21.21')	L27	S 01°40'37" E	25.00'
L13	S 88°19'23" E	10.59'	L28	N 01°49'24" W	25.00'
L14	N 43°13'47" E	36.14'	L29	S 00°24'40" E	8.13'
L15	N 43°13'47" E	44.95'			

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	7470.28'	64.46'	N 02°11'55" W	64.46'	0°29'40"
C2	7465.28'	6.79'	N 02°28'19" W	6.79'	0°03'08"
C3	7480.28'	151.59'	N 04°07'10" W	151.58'	1°09'40"
C4	7610.28'	384.31'	S 03°23'53" E	384.27'	2°53'36"
C5	7625.28'	273.47'	S 03°49'02" E	273.45'	2°03'17"
C6	7650.28'	70.98'	S 02°31'27" E	70.97'	0°31'54"
C7	7625.28'	40.86'	S 02°06'18" E	40.86'	0°18'25"
C8	7689.44'	60.40'	N 89°21'49" E	60.39'	0°27'00"

**LEGEND**

- EX. GUARD RAIL
- PK MAIL SET
- REPLACED AFTER CONSTRUCTION
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT STAKES FOUND OR SET
- THESE CROSS REFERENCE FOUND OR SET MONUMENTATION WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
- STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- POINT OF BEGINNING
- POINT OF COMMENCEMENT
- EX. MISCELLANEOUS MANHOLE (MH)
- EX. STORM MANHOLE (MH)
- EX. STORM CATCH BASIN (CB)
- EX. STORM INLET (NL)
- EX. FLARED END SECTION (FES)
- EX. SANITARY MANHOLE (SMH)
- EX. FIRE HYDRANT/AUX. VALVE
- EX. VALVE BOX
- EX. VALVE VAULT (V.V.)
- EX. IRRIGATION CONTROL BOX
- EX. ELECTRICAL METER
- EX. ELECTRICAL OUTLET
- EX. UTILITY POLE
- EX. UTILITY POLE WITH LIGHT
- EX. GUY WIRE
- EX. LIGHT STANDARD
- EX. STREET LIGHT
- EX. GROUND LIGHT
- EX. SIGN
- EX. DOUBLE POLE SIGN
- EX. MAILBOX
- EX. BOLLARD
- EX. FLAG POLE

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	403



CORNER	STATION	OFFSET
A	111+51.83	75.00 R
B	111+51.83	70.00 R
C	113+10.08	70.00 R
D	113+10.10	65.00 R
E	114+98.61	65.00 R
F	114+97.00	85.00 R
G	115+10.07	72.31 R
H	437+06.13	40.78 L
I	437+05.93	54.78 L
J	116+10.84	94.51 L
K	116+39.31	69.88 L
L	116+52.55	68.85 L
M	122+48.62	65.00 L
N	113+10.01	85.00 R
O	114+97.00	110.00 R
P	115+09.69	110.00 R
Q	434+92.00	80.00 R
R	434+92.00	85.00 R
S	435+44.00	85.00 R
T	435+44.00	60.00 R
U	437+66.00	41.87 L
V	437+66.00	50.00 L
W	437+08.00	50.00 L

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTION CORNERS AND ROW MONUMENTS

REVISION DATE	DESCRIPTION	INITIALS
02/14/12	REVISED PER IDOT REVIEW	WWW
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
08/15/11	DELETED PARCEL OH40145E-F	WWW
08/02/11	NEW OWNER - PARCEL OH40013	BJP
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
		INITIALS



RECEIVED  
FEB 14 2012

PLATS & LEGALS  
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

DOT14 - 090746

**Manhard CONSULTING LTD**  
3502 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 330/US ROUTE 45  
SECTION: 131st St to 179th St COOK COUNTY  
PROJECT: JOB NO. R-90-004-07  
STATION 108+00 TO STATION 123+00

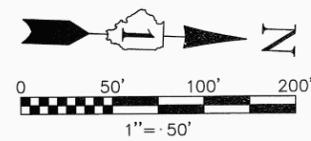
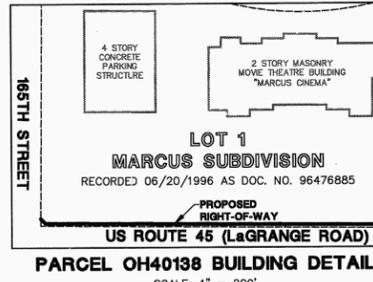
SCALE: 1" = 50' SHEET 9 OF 55

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

RECORDING: RECORDED ON AS DOCUMENT NO.

PT OF SE 1/4 SEC 21 & PT OF SW 1/4 SEC 22, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40014		16.217	0.519	0.000	15.698	0.000	27-22-300-024	N/A	
OH40014E-A	ADVOCATE HEALTH AND HOSPITALS CORPORATION	N/A	N/A	N/A	N/A	0.516		TEMPORARY	
OH40014E-B		N/A	N/A	N/A	N/A	260 SQ. FT. 0.006 AC.		TEMPORARY	
OH40015	ROMANA MARTINEZ	1.031	0.060	0.000	0.971	0.105	27-22-300-021	TEMPORARY	
OH40016	GREATBANC TRUST COMPANY AS TRUSTEE UNDER TRUST NO. 8418	8.206	0.082	0.000	8.124	0.165	27-22-300-011	TEMPORARY	
OH40017	FIRST NATIONAL BANK IN CHICAGO HEIGHTS AS TRUSTEE UNDER TRUST NO. 1447	0.377	0.030	0.000	0.347	0.088	27-22-300-008	TEMPORARY	
OH40018	KATHLEEN E. SCHLENKER TRUST DATED OCTOBER 16, 1992	1.789	0.090	0.000	1.699	0.113	27-22-300-023	TEMPORARY	
OH40019	LIF REAL ESTATE COMPANY, INC.	10.204	0.108	0.000	10.096	0.129	27-21-403-016	TEMPORARY	
OH40138	B & G REALTY	11.604	0.128	0.000	11.476	0.135	27-21-401-008	TEMPORARY	
OH40139	NORTH STAR TRUST COMPANY AS TRUSTEE UNDER TRUST NO. 8274	6.842	0.105	0.000	6.737	0.066	27-21-403-015	TEMPORARY	
OH40140	MAE G. DOLJANNI	5.448	0.038	0.000	5.410	0.058	27-21-403-012	TEMPORARY	
OH40141	K2 DEVELOPMENT, LLC	1.230	0.010	0.000	1.220	0.058	27-21-403-010	TEMPORARY	

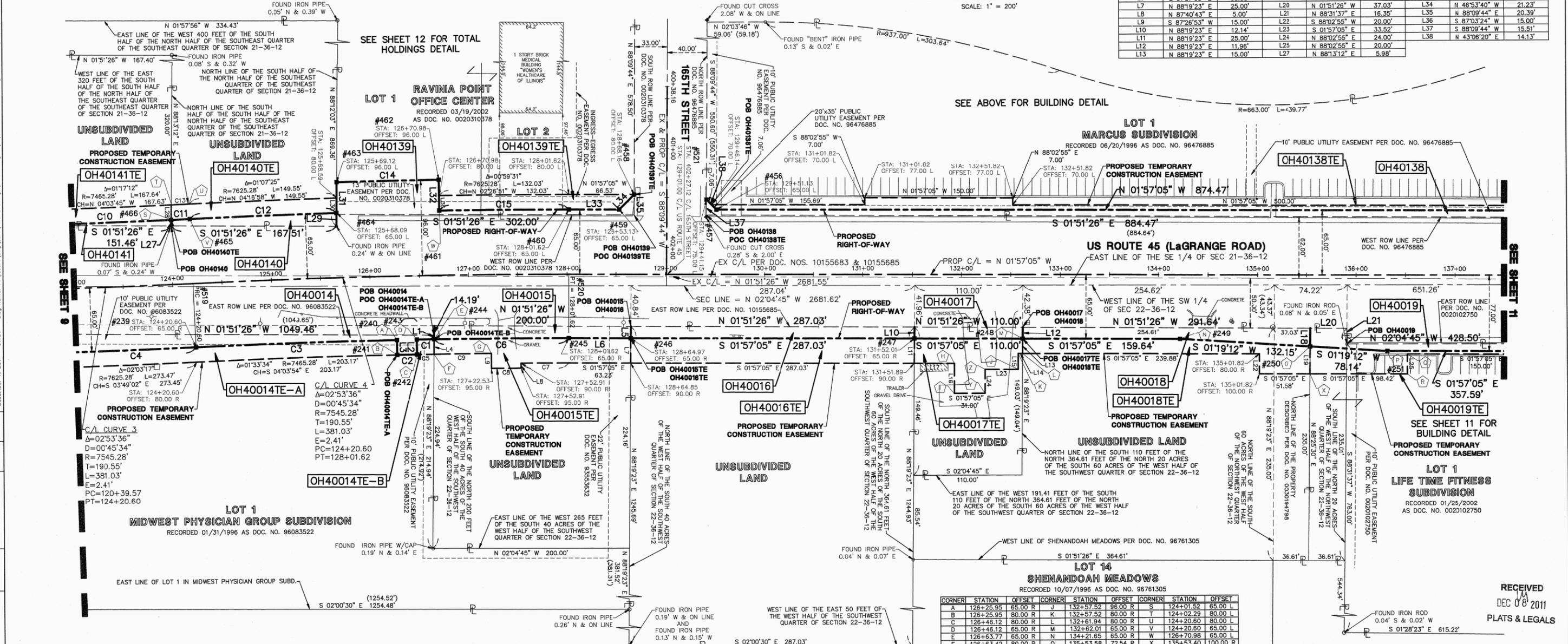


F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	404

STATION 123+00 TO STATION 137+00

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	N 88°19'23" E	4.19'	L14	S 01°57'05" E	4.42'	L28	N 88°3'12" E	15.02'
L2	N 86°52'04" E	15.00'	L15	N 88°02'55" E	16.00'	L29	N 88°12'03" E	13.25'
L3	S 86°42'53" W	15.00'	L16	S 88°02'55" W	30.00'	L30	N 88°12'03" E	15.01'
L4	N 88°19'23" E	15.00'	L17	S 01°57'05" E	41.11'	L31	S 88°12'03" W	32.28'
L5	N 88°19'23" E	12.62'	L18	N 88°23'30" E	19.02'	L32	N 87°03'24" E	31.00'
L6	S 01°57'05" E	63.35'	L19	N 88°23'30" E	27.46'	L33	N 01°57'05" W	51.50'
L7	N 88°19'23" E	25.00'	L20	N 01°51'26" W	37.03'	L34	N 46°53'40" W	21.23'
L8	N 87°40'43" E	5.00'	L21	N 88°31'37" E	16.35'	L35	N 88°09'44" E	20.39'
L9	S 87°26'53" W	15.00'	L22	S 88°02'55" W	20.00'	L36	S 87°03'24" W	15.00'
L10	N 88°19'23" E	12.14'	L23	S 01°57'05" E	33.52'	L37	S 88°09'44" W	15.51'
L11	N 88°19'23" E	25.00'	L24	N 88°02'55" E	24.00'	L38	N 43°06'20" E	14.13'
L12	N 88°19'23" E	11.96'	L25	N 88°02'55" E	20.00'			
L13	N 88°19'23" E	15.00'	L27	N 88°13'12" E	5.98'			



**LEGEND**

	SECTION CORNER		PK NAIL SET		EX. SANITARY MANHOLE (SMH)
	QUARTER SECTION CORNER		REPLACED AFTER CONSTRUCTION		EX. FIRE HYDRANT/AUX. VALVE
	SECTION LINE		IRON ROD SET		EX. VALVE BOX
	QUARTER SECTION LINE		IRON PIPE OR ROD FOUND		EX. VALVE VAULT (V.V.)
	QUARTER, QUARTER SECTION LINE		CUT CROSS FOUND OR SET		EX. IRRIGATION CONTROL BOX
	PLATTED LOT LINE		THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.		EX. ELECTRICAL METER
	PROPERTY (DEED) LINE		EX. ELECTRICAL OUTLET		EX. UTILITY POLE
	CENTERLINE		EX. UTILITY POLE WITH LIGHT		EX. GUY WIRE
	EXISTING RIGHT-OF-WAY LINE		EX. LIGHT STANDARD		EX. STREET LIGHT
	PROPOSED RIGHT-OF-WAY LINE		EX. GROUND LIGHT		EX. SIGN
	PROPOSED EASEMENT		EX. DOUBLE POLE SIGN		EX. MAILBOX
	MEASURED DIMENSION		EX. BOLLARD		EX. FLAG POLE
	COMPUTED DIMENSION		EX. STORM MANHOLE (MH)		
	RECORD DATA		EX. STORM CATCH BASIN (CB)		
	EXISTING BUILDING		EX. STORM INLET (NL)		
	EX. CONCRETE CURB & GUTTER		EX. FLARED END SECTION (FES)		
	EX. EDGE OF PAVEMENT				
	EX. GUARD RAIL				

**CURVE TABLE**

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	7480.28'	17.50'	S 03°03'55" E	17.50'	0°08'03"
C2	7485.28'	19.96'	S 03°12'32" E	19.96'	0°09'11"
C3	7480.28'	203.58'	S 04°03'54" E	203.57'	1°33'34"
C4	7610.28'	384.31'	S 03°23'53" E	384.27'	2°53'36"
C5	7485.28'	17.12'	S 03°04'00" E	17.12'	0°07'53"
C6	7485.28'	136.87'	S 02°28'29" E	136.66'	1°02'49"
C7	7485.28'	48.14'	S 02°08'11" E	48.14'	0°22'12"
C8	7450.28'	29.99'	S 02°26'12" E	29.99'	0°13'50"
C9	7485.28'	58.48'	S 02°46'35" E	58.48'	0°26'56"
C10	7480.28'	151.59'	N 04°07'10" W	151.58'	1°09'40"
C11	7480.28'	18.91'	N 04°46'20" W	18.91'	0°08'42"
C12	7610.28'	148.76'	N 04°17'05" W	148.76'	1°07'12"
C13	7485.28'	18.11'	N 04°46'31" W	18.11'	0°08'20"
C14	7441.28'	103.16'	N 03°19'49" W	103.16'	0°46'25"
C15	7610.28'	131.77'	N 02°26'51" W	131.77'	0°59'31"

STATE OF ILLINOIS }  
 COUNTY OF COOK } SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SPRINGFIELD, ILLINOIS THIS 6TH DAY OF DECEMBER A.D., 2011.

*William W. Wright*  
 WILLIAM W. WRIGHT  
 3502 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
 LOWARD, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
 LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184403350  
 LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999996013

REVISION DATE	DESCRIPTION	WWW
12/06/11	REVISED PARCEL OH40138TE PER IDOT	B.J.P.
10/17/11	ISSUED FINAL SURVEY TO IDOT	WWW
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	B.J.P.
07/25/11	REVISED OWNER FOR PARCEL OH40019	WWW
03/22/11	REVISED OWNER FOR PARCEL OH40140	B.J.P.
		WWW
		INITIALS

**SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS**

RECEIVED DEC 08 2011 PLATS & LEGALS

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

**Manhard CONSULTING LTD**  
 700 Spring Drive, Lombard, IL 60148  
 708.281.8800  
 708.281.8888  
 manhard.com

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAP 330/US ROUTE 45  
 SECTION: 131st St to 179th St COOK COUNTY  
 PROJECT: JOB NO. R-90-004-07  
 STATION 123+00 TO STATION 137+00

SCALE: 1" = 50' SHEET 10 OF 55

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

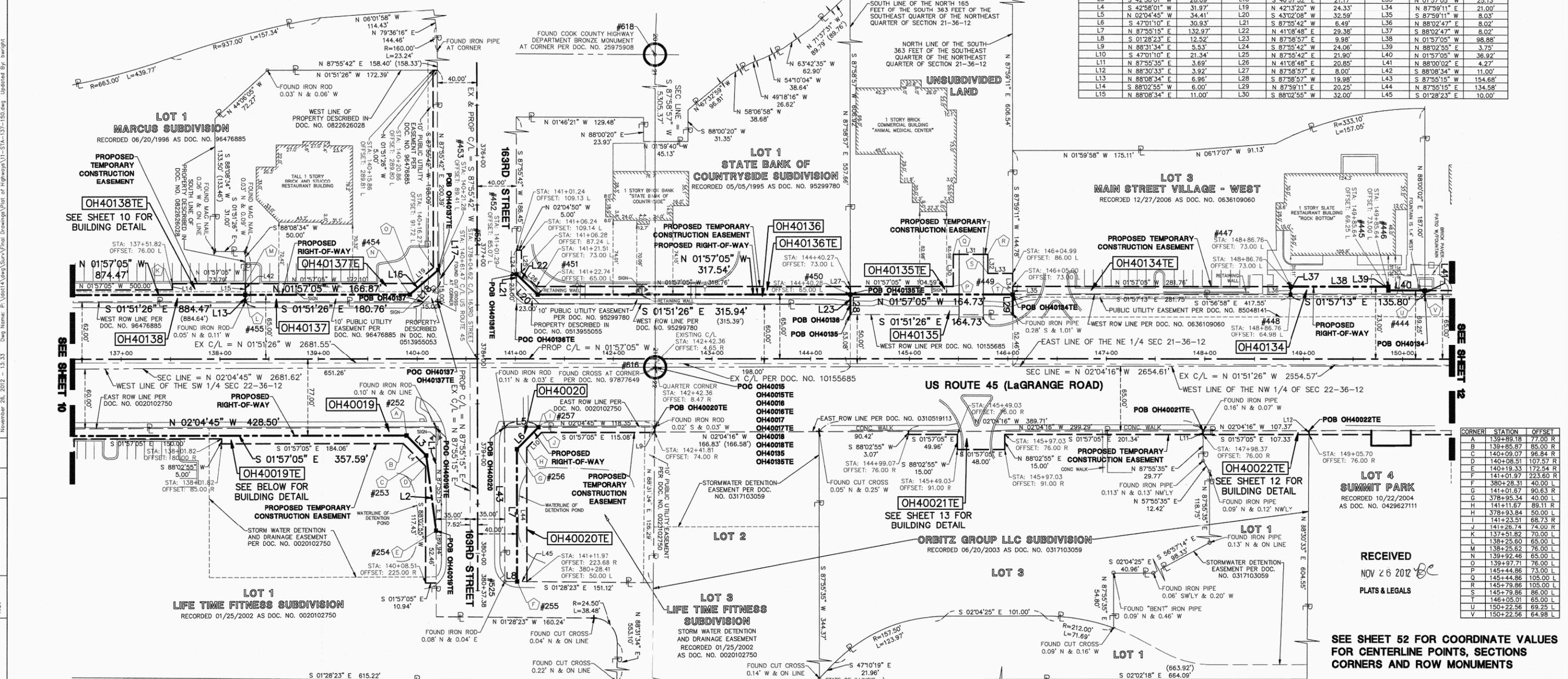
RECORDING: RECORDED ON AS DOCUMENT NO.

PT OF E 1/2 OF SEC 21 & PT OF W 1/2 OF SEC 22, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40019	LIF REAL ESTATE COMPANY, INC.	10.204	0.108	0.000	10.096	0.129	27-22-300-025	TEMPORARY	
OH40020	LIF REAL ESTATE COMPANY, INC.	0.542	0.050	0.000	0.492	0.049	27-22-320-001	TEMPORARY	
OH40021TE	16165 LAGRANGE ROAD, LLC	2.477	N/A	N/A	N/A	0.040	27-22-102-016	TEMPORARY	
OH40022TE	STANDARD BANK AND TRUST COMPANY AS TRUSTEE UNDER TRUST NO. 19902	5.153	N/A	N/A	N/A	408 SQ. FT. 0.009 AC.	27-22-102-013 27-22-102-014	TEMPORARY	
OH40134	TATUM AND SHEA, LTD	1.503	0.022	0.000	1.481	0.052	27-21-202-013	TEMPORARY	
OH40135	BRYAN LANTOW, D.V.M.	2.287	0.076	0.000	2.211	0.063	27-21-202-002	TEMPORARY	
OH40136	STATE BANK OF COUNTRYSIDE	2.424	0.074	0.000	2.350	0.064	27-21-202-006 27-21-424-001	TEMPORARY	
OH40137	16310 S. LAGRANGE, LLC	1.138	0.038	0.000	1.100	0.069	27-21-401-007	TEMPORARY	
OH40138	B & G REALTY	11.604	0.128	0.000	11.476	0.135	27-21-401-008	TEMPORARY	

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	405
STATION 137+00 TO STATION 150+00				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	N 87°55'15" E	103.57'	L16	N 42°13'20" W	37.77'	L31	N 01°57'05" W	35.00'
L2	S 80°19'57" W	76.39'	L17	N 87°55'42" E	16.70'	L32	N 88°02'55" E	19.00'
L3	S 42°58'01" W	28.09'	L18	S 46°57'52" E	21.17'	L33	N 01°57'05" W	25.13'
L4	S 42°58'01" W	31.97'	L19	N 42°13'20" W	24.33'	L34	N 87°59'11" W	21.00'
L5	N 02°04'45" W	34.41'	L20	S 43°02'08" W	32.69'	L35	S 87°59'11" W	8.03'
L6	S 47°01'10" E	30.93'	L21	S 87°55'42" E	6.49'	L36	N 88°02'47" W	8.02'
L7	N 87°55'15" E	132.97'	L22	N 41°08'48" E	29.36'	L37	S 88°02'47" W	8.02'
L8	S 01°28'23" E	12.52'	L23	N 87°58'57" E	9.98'	L38	N 01°57'05" W	98.86'
L9	N 88°31'34" E	5.53'	L24	S 87°55'42" E	24.06'	L39	N 88°02'55" E	3.75'
L10	S 47°01'10" E	21.34'	L25	N 87°55'42" E	21.90'	L40	N 01°57'05" W	36.92'
L11	N 87°55'35" E	3.69'	L26	N 41°08'48" E	20.85'	L41	N 88°00'02" E	4.27'
L12	N 88°30'33" E	3.92'	L27	N 87°58'57" E	8.00'	L42	S 88°08'34" W	11.00'
L13	N 88°08'34" E	6.96'	L28	S 87°58'57" W	19.98'	L43	S 87°55'15" E	154.68'
L14	S 88°02'55" W	6.00'	L29	N 87°59'11" E	20.25'	L44	N 87°55'15" E	134.58'
L15	N 88°08'34" E	11.00'	L30	S 88°02'55" W	32.00'	L45	S 01°28'23" E	10.00'



BY	DATE	MADE	CHECKED	LINKED	NO.

**LEGEND**

SECTION CORNER	PK NAIL SET	EX. SANITARY MANHOLE (SMH)
QUARTER SECTION CORNER	REPLACED AFTER CONSTRUCTION	EX. FIRE HYDRANT/AUX. VALVE
SECTION LINE	IRON ROD SET	EX. VALVE BOX
QUARTER SECTION LINE	IRON PIPE OR ROD FOUND	EX. VALVE VAULT (V.V.)
PLATTED LOT LINE	CUT CROSS FOUND OR SET	EX. IRRIGATION CONTROL BOX
PROPERTY (DEED) LINE	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION; WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.	EX. ELECTRICAL METER
CENTERLINE		EX. ELECTRICAL OUTLET
EXISTING RIGHT-OF-WAY LINE		EX. UTILITY POLE
PROPOSED RIGHT-OF-WAY LINE		EX. UTILITY POLE WITH LIGHT
PROPOSED EASEMENT		EX. GUY WIRE
MEASURED DIMENSION	STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.	EX. LIGHT STANDARD
COMPUTED DIMENSION		EX. STREET LIGHT
RECORD DATA		EX. GROUND LIGHT
EXISTING BUILDING		EX. SIGN
EX. CONCRETE CURB & GUTTER	POB POINT OF BEGINNING	EX. DOUBLE POLE SIGN
EX. EDGE OF PAVEMENT	POC POINT OF COMMENCEMENT	EX. MAILBOX
EX. GUARD RAIL	EX. MISCELLANEOUS MANHOLE (MH)	EX. BOLLARD
	EX. STORM MANHOLE (MH)	EX. FLAG POLE
	EX. STORM CATCH BASIN (CB)	
	EX. STORM INLET (NLI)	
	EX. FLARED END SECTION (FES)	

**US ROUTE 45 (LaGrange Road)**

**LOT 1 LIFE TIME FITNESS SUBDIVISION**  
RECORDED 01/25/2002 AS DOC. NO. 0020102750

**PARCEL OH40019 BUILDING DETAIL**  
SCALE: 1" = 200'

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS, THIS 26TH DAY OF NOVEMBER, A.D., 2012.

WILLIAM W. WRIGHT  
3502 PROFESSIONAL LAND SURVEYOR  
STATE OF ILLINOIS  
COOK COUNTY, ILLINOIS

DESIGN FIRM LICENSE NO. 184003350  
LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99996013

REVISION DATE	DESCRIPTION	INITIALS
11/26/12	REVISED PARCEL OH40134 PER IDOT	WWW
12/06/11	REVISED PARCEL OH40138TE PER IDOT	WWW
11/05/11	REVISED PROP C/L OF EAST 163RD ST; REVISED PARCEL OH40020 & OH40020-TE	WWW
10/17/11	ISSUED FINAL SURVEY TO IDOT	BUP
09/20/11	REVISED PARCEL OH40137TE PER IDOT	WWW
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
07/25/11	NEW OWNER FOR PARCELS OH40019 AND OH40020	BUP

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

**Manhard CONSULTING LTD**  
700 Springer Drive, Lombard, IL 60148 PH: 630.951.8800 FAX: 630.951.8888 manhard.com  
Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers  
Construction Managers • Environmental Scientists • Landscape Architects • Planners

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 330/US ROUTE 45  
SECTION: 131st St to 179th St COOK COUNTY  
PROJECT: JOB NO. R-90-004-07  
STATION 137+00 TO STATION 150+00

SCALE: 1" = 50' SHEET 11 OF 55

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

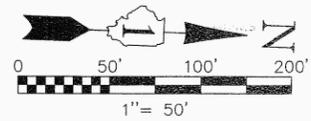
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November 26, 2012 13:33 Day Name: P:\2014\2014\_Visit\Drawings\Plat of Highways\11-STA-137-150.dwg Updated By: bwright



PT OF NE1/4 SEC 21 & PT OF NW 1/4 SEC 22, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40147TE-A	INTER-CONTINENTAL REAL ESTATE AND DEVELOPMENT CORPORATION	15.744	N/A	N/A	N/A	0.068	27-22-103-029	TEMPORARY	
OH40147TE-B						0.048	27-22-103-028	TEMPORARY	
OH40148TE	LA-Z RECLINER SHOP, INC.	1.328	N/A	N/A	N/A	0.037	27-22-100-027	TEMPORARY	

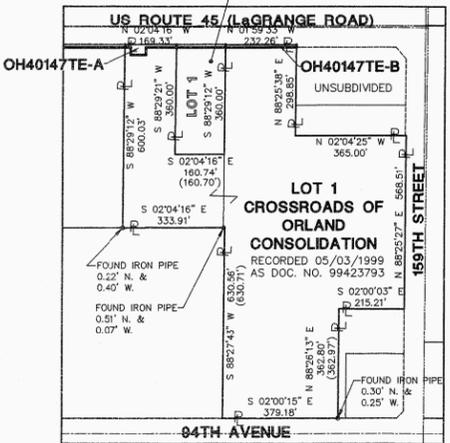


F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	406A

STATION 160+50 TO STATION 169+00

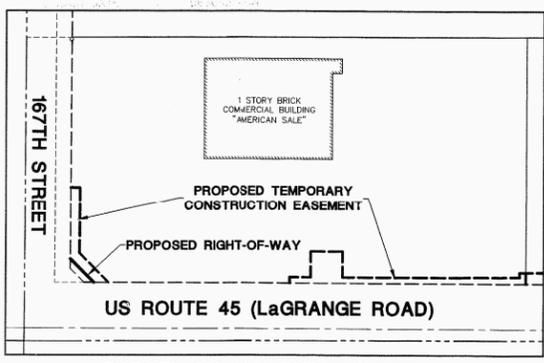
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

LA-Z-BOY SUBDIVISION  
NUMBER TWO  
RECORDED 05/03/1999  
AS DOC. NO. 99423792

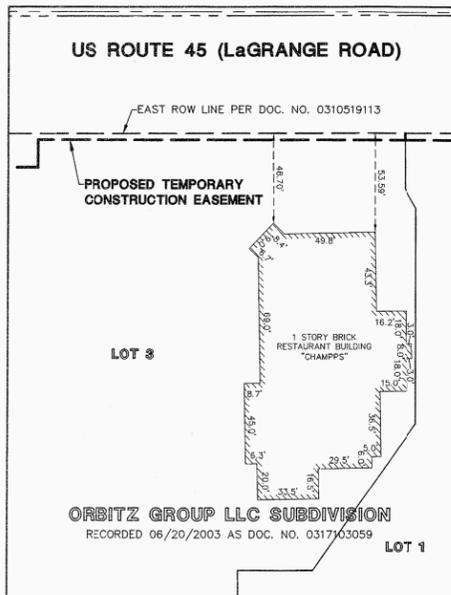
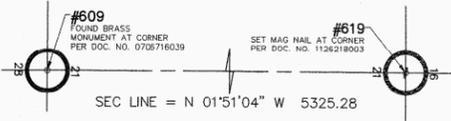


PARCEL OH40147TE-A & OH40147TE-B  
TOTAL HOLDINGS DETAIL  
SCALE: 1" = 300'

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS



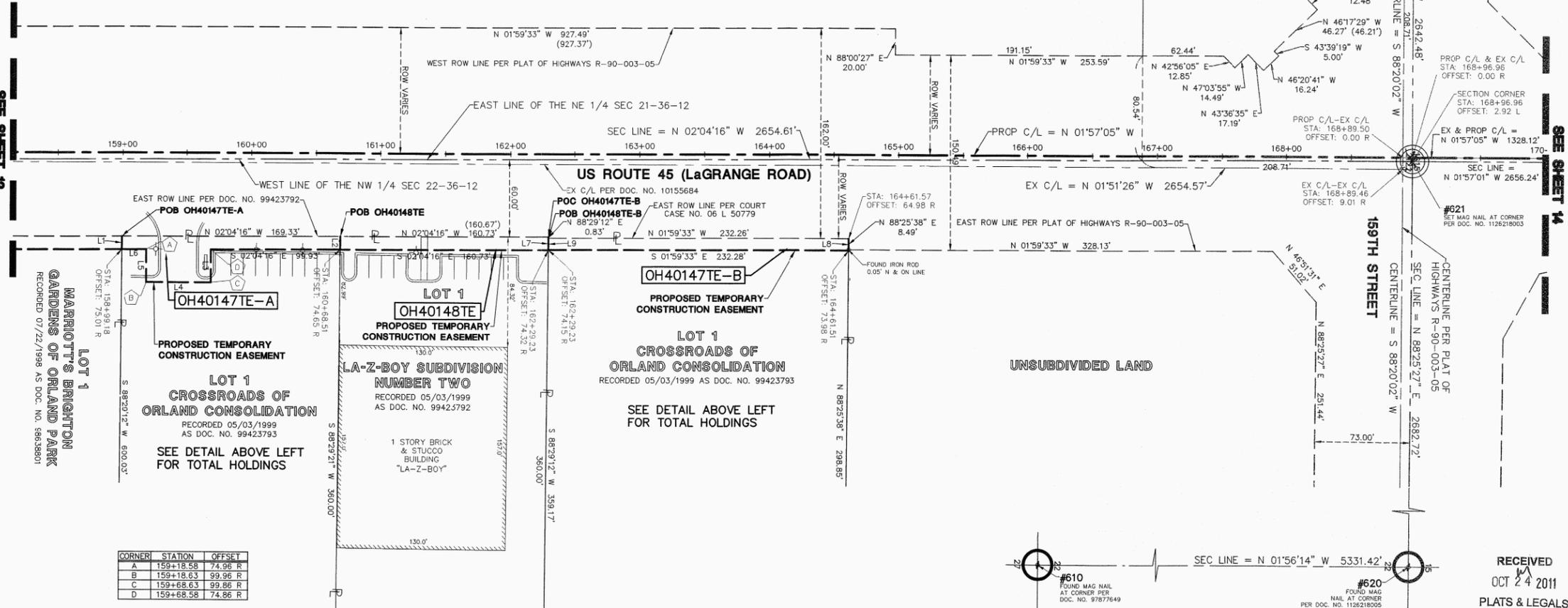
PARCEL OH40143 BUILDING DETAIL  
SCALE: 1" = 100'



PARCEL OH4002TE BUILDING DETAIL  
SCALE: 1" = 50'

SEE SHEET 52

LOT 1  
MARRIOTT'S BRIGHTON GARDENS OF ORLAND PARK  
RECORDED 07/22/1998 AS DOC. NO. 9863801



CORNER	STATION	OFFSET
A	159+18.58	74.96 R
B	159+18.63	99.96 R
C	159+68.63	99.86 R
D	159+68.58	74.86 R

LINE	BEARING	LENGTH
L1	S 88°29'12" W	10.00'
L2	N 88°29'21" E	10.00'
L3	N 87°55'44" E	25.00'
L4	S 02°04'16" E	50.00'
L5	S 87°55'44" W	25.00'
L6	S 02°04'16" E	19.40'
L7	N 88°29'12" E	10.00'
L8	N 88°25'38" E	9.00'
L9	S 88°29'12" W	9.00'

STATE OF ILLINOIS )  
COUNTY OF DuPAGE ) SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 37 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 12TH DAY OF OCTOBER A.D., 2011.

*William W. Wright*  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350  
LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013



REVISION DATE	DESCRIPTION	INITIALS
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
11/10/10	REVISED PER IDOT REVIEW	SJP
10/08/10	ADDED PARCELS OH40147TE-A, OH40147TE-B & OH40148TE	SJP
09/17/10	PER IDOT REVIEW	BJP

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



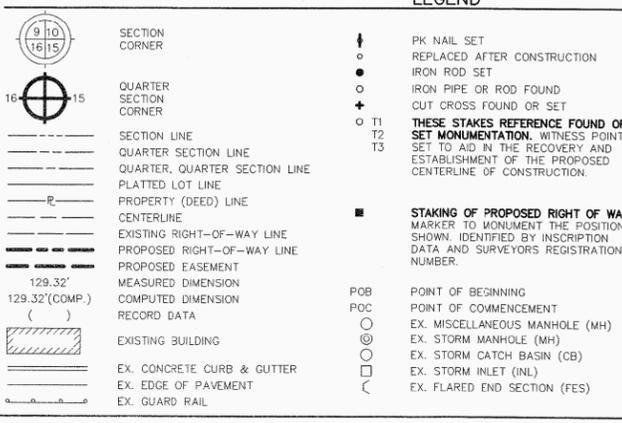
PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 330/US ROUTE 45  
SECTION: 131st St to 179th St COOK COUNTY  
PROJECT: JOB NO. R-90-004-07  
STATION 160+50 TO STATION 169+00

SCALE: 1" = 50' SHEET 13 OF 55

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

DATE	BY	MADE	CHECKED	INKED

R.O.W. PLAT	NOTEBOOK NO.



RECEIVED  
OCT 24 2011  
PLATS & LEGALS

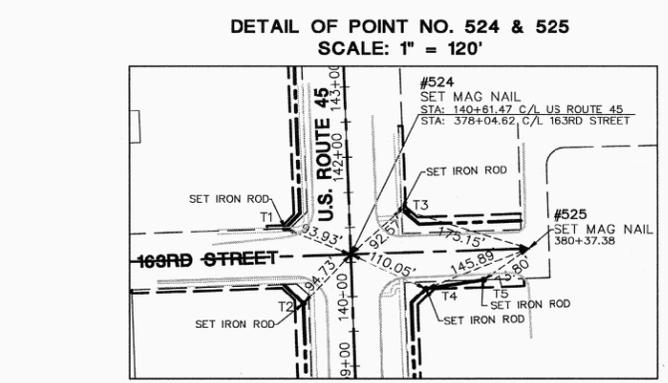
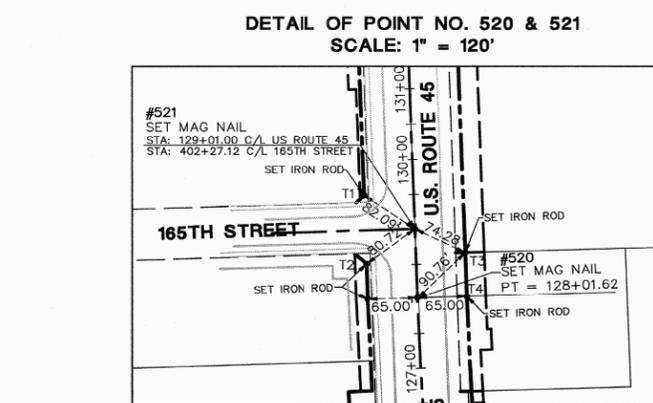
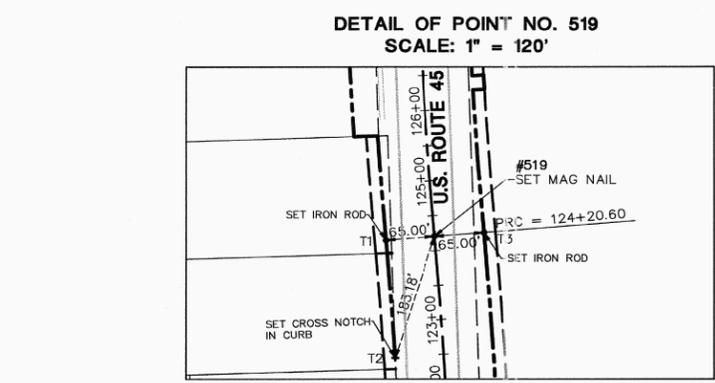
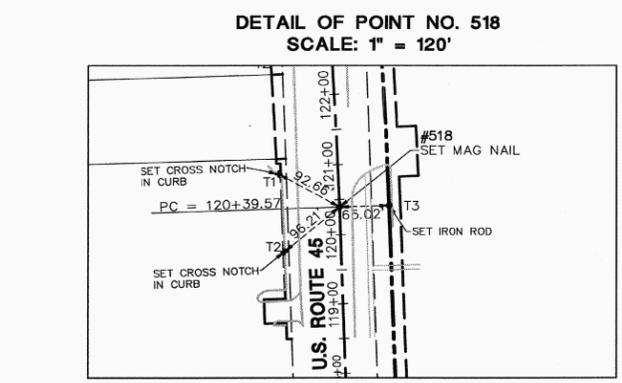
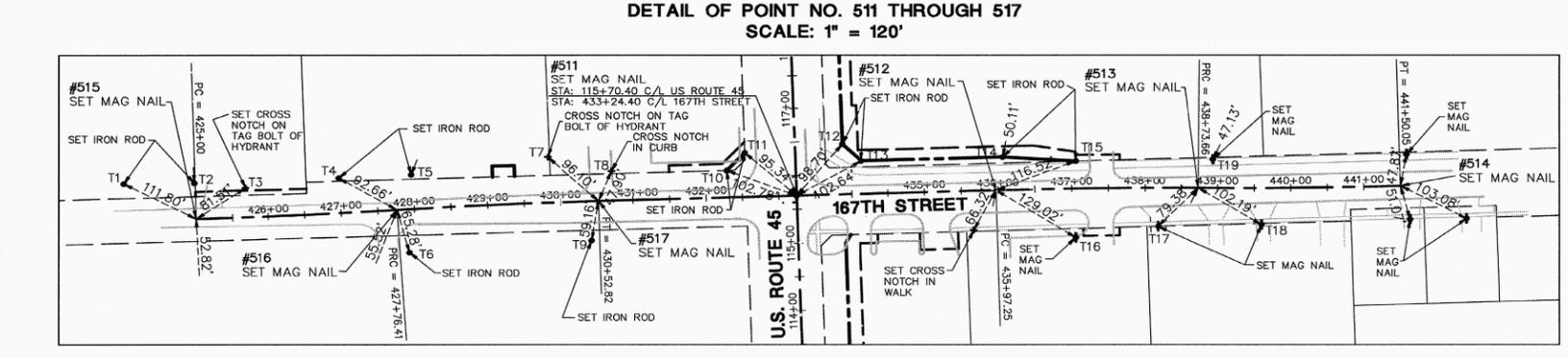
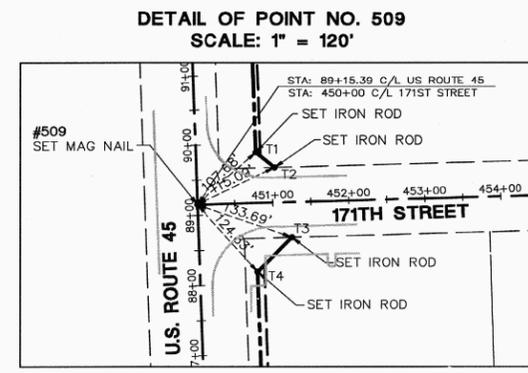
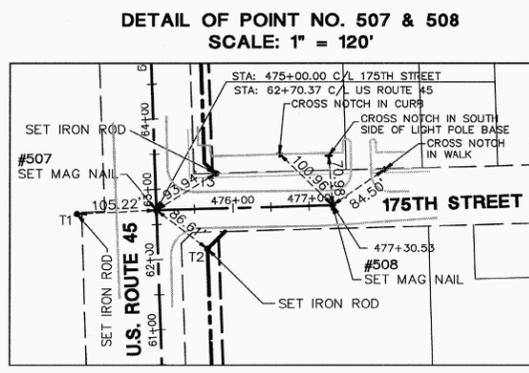
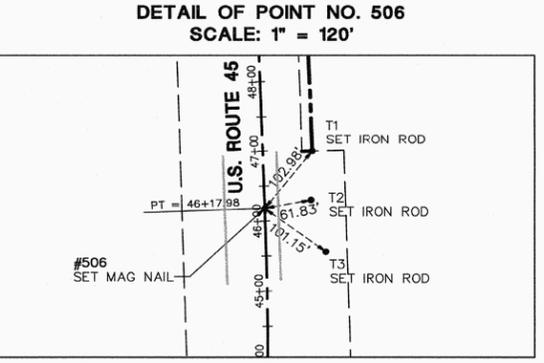
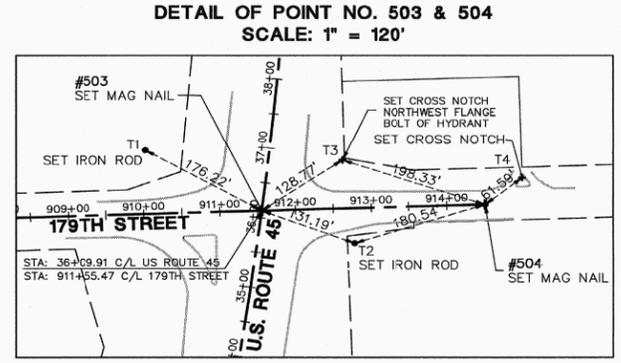
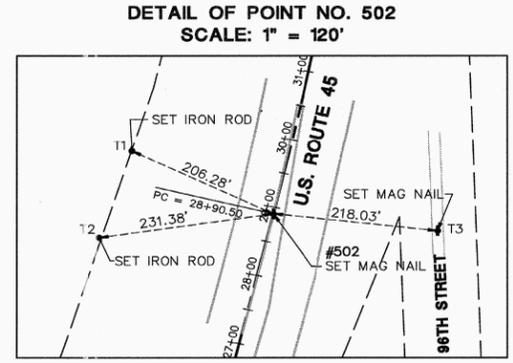
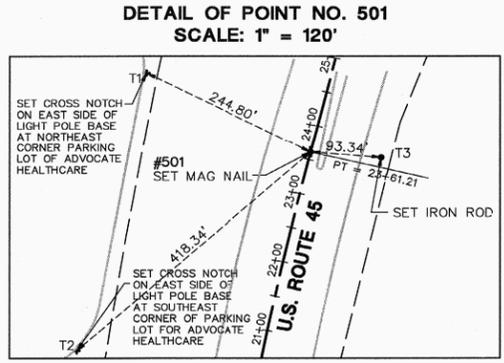
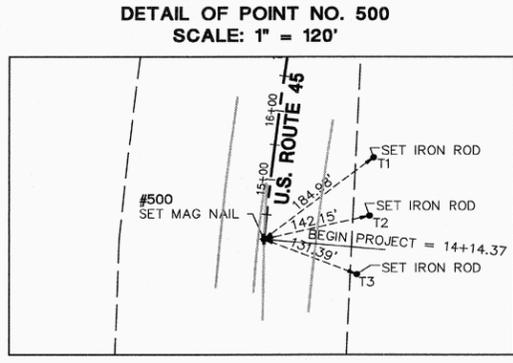


# COORDINATE TABLE

PROPOSED PARCEL CORNERS			PROPOSED PARCEL CORNERS			PROPOSED PARCEL CORNERS			PROPOSED ROADWAY / CENTERLINE			SECTION CORNERS			PROPOSED RAILROAD CENTERLINE		
POINT NUMBER	NORTHING	EASTING	POINT NUMBER	NORTHING	EASTING	POINT NUMBER	NORTHING	EASTING	POINT NUMBER	NORTHING	EASTING	POINT NUMBER	NORTHING	EASTING	POINT NUMBER	NORTHING	EASTING
200	1785573.527	1116198.853	300	1806267.463	1115468.561	400	1805222.136	1115384.108	500	1782331.377	1115677.466	600	1781759.874	1113564.572	800	1812285.175	1117010.855
201	1785819.064	1116190.116	301	1806417.330	1115463.640	401	1805058.160	1115389.894	501	1783264.134	1115834.997	601	1787063.046	1113398.293	801	1812236.552	1116975.395
202	1786060.022	1116162.755	302	1806596.852	1115468.289	402	1805043.169	1115390.205	502	1783778.376	1115960.527	602	1781842.911	1116230.335	802	1812083.444	1116838.367
203	1787087.874	1116146.002	303	1806702.000	1115455.390	403	1804893.256	1115395.313	503	1784485.476	1116090.917	603	1784488.990	1116136.339	803	1812010.896	1116779.643
204	1787112.417	1116169.195	304	1806841.461	1115451.873	404	1804783.319	1115399.059	504	1784494.250	1116385.316	604	1781920.217	1118899.739	804	1811867.694	1116675.027
205	1787195.103	1116157.097	305	1807001.922	1115448.255	405	1804610.293	1115404.954	505	1784491.434	1116136.468	605	1787219.284	1118734.218	805	1811814.846	1116633.448
206	1787209.549	1116141.810	306	1807151.902	1115445.287	406	1804463.953	1115409.940	506	1787142.835	1116079.052	606	1784647.100	1121491.649	806	1811684.643	1116523.263
207	1787658.789	1116126.465	307	1807226.897	1115443.952	407	1804434.654	1115388.744	507	1787149.470	1116309.486	607	1789785.975	1115977.258	807	1811661.322	1116503.528
208	1787659.131	1116136.459	308	1807292.362	1115442.869	408	1804354.673	1115390.856	508	1789786.400	1115988.750	608	1787142.288	1116060.059	808	1810744.328	1115727.522
209	1787679.119	1116135.776	309	1807324.611	1115445.214	409	1804325.905	1115414.643	509	1792439.735	1115898.902	609	1792351.407	1113232.244	809	1810419.414	1115452.564
210	1787678.778	1116125.782	310	1807341.344	1115441.909	410	1803732.700	1115434.855	510	1792447.730	1116171.635	610	1792507.788	1118563.157	810	1812016.006	1116814.553
211	1787805.580	1116121.451	311	1807344.756	1115662.859	411	1803441.365	1115444.781	511	1792450.830	1116448.013	611	1789629.360	1110586.186	811	1811806.323	1116859.181
212	1788379.736	1116101.838	312	1807347.707	1115952.778	412	1803151.358	1115454.862	512	1792453.957	1116724.371	612	1789980.988	1110738.454	812	1811777.798	1116937.223
213	1788380.077	1116111.832	313	1807350.115	1115423.033	413	1803133.847	1115439.073	513	1792405.632	1115075.273	613	1792272.508	1110569.264	813	1811673.948	1116474.273
214	1788400.066	1116111.180	314	1807375.748	1115423.827	414	1803116.913	1115349.198	514	1792418.636	1115351.356	614	1789941.649	1121327.692	814	1810570.719	1115650.766
215	1788399.724	1116101.155	315	1807414.155	1115423.954	415	1803019.447	1115437.070	515	1792431.817	1115627.440	615	1792429.661	1115894.457	815	1810520.327	1115618.773
216	1788466.453	1116098.878	316	1807486.453	1115424.282	416	1802984.961	1115457.983	516	1792908.636	1115882.926	616	1795109.519	1115797.167	816	1810390.145	1115510.853
217	1788843.239	1116086.006	317	1807694.512	1115424.331	417	1802893.062	1115461.461	517	1793289.013	1115860.344	617	1795247.328	1121153.583	817	1810340.521	1115468.933
218	1789055.036	1116078.771	318	1807939.531	1115424.395	418	1802893.130	1115463.460	518	1793669.330	1115837.762	618	1794922.747	1110495.088	818	1809508.137	1113918.890
219	1789055.446	1116090.764	319	1801095.211	1115424.934	419	1802680.299	1115471.393	519	1793768.644	1115834.378	619	1797673.908	1113060.228	819	1808144.357	1113577.403
220	1789072.436	1116090.183	320	1801235.152	1115424.982	420	1802635.313	1115472.244	520	1794920.926	1115795.118	620	1797836.163	1118382.927	820	1809027.529	1113469.555
221	1789072.026	1116078.190	321	1801240.254	1115429.298	421	1802466.310	1115478.002	521	1794928.441	1115794.862	621	1797762.393	1115701.226	821	1807926.167	1113381.721
222	1789331.281	1116069.335	322	1801040.089	1115424.609	422	1802312.264	1115483.251	522	1794936.836	1116027.469	622	1800417.093	1115610.825	822	1807802.794	1113281.426
223	1789349.494	1116074.532	323	18010625.709	1115407.500	423	1802312.336	1115485.355	523	1801744.542	1115662.629	623	1803071.927	1115520.896	823	1807767.822	1113253.397
224	1789513.198	1116075.127	324	1801071.488	1115407.895	424	1801814.198	1115502.617	524	1801764.844	1115641.538	624	1805722.524	1115443.276	824	1812276.243	1117021.394
225	1789690.885	1116069.085	325	1811254.742	1115410.782	425	1801781.725	1115470.457	525	1801731.010	1115122.767	625	1805881.553	1120804.466	825	1812004.136	1116822.949
226	1789739.936	1116114.135	326	1811360.882	1115411.336	426	1801701.975	1115479.803	526	1803071.825	1115517.406	626	1808366.734	1115365.986	826	1811794.453	1116667.577
227	1789839.304	1116090.958	327	1811458.283	1115410.870	427	1801678.858	1115504.842	527	1803074.823	1115517.304	627	1808449.349	1118042.628	827	1811765.928	1116645.619
228	1789861.006	1116066.270	328	1811458.331	1115420.870	428	1801499.836	1115510.931	528	1803079.933	1115790.915	628	1808271.859	1112752.134	828	1811662.079	1116482.669
229	1791965.705	1115995.003	329	1811478.331	1115420.774	429	1801299.951	1115517.742	529	1803083.034	1115851.371	629	1811023.576	1115282.625	829	1810561.911	1115670.647
230	1791965.266	1115980.010	330	1811478.283	1115410.775	430	1800796.241	1115534.904	530	1803089.954	1115945.741	630	1810843.871	1110041.888	830	1810511.487	1115629.629
231	1792181.846	1115972.676	331	1811643.650	1115409.984	431	1800795.226	1115501.919	531	1803093.314	1116014.062	631	1813653.277	1115220.201	831	1810381.115	1115521.552
232	1792370.254	1115966.296	332	1811643.659	1115406.658	432	1800630.321	1115507.538	532	1803096.449	1116136.582	632	1813657.350	1115338.227	832	1810331.461	1115479.606
233	1792381.945	1115973.219	333	1811790.852	1115407.053	433	1800631.335	1115540.522	533	1803055.275	1114850.791	633	1813487.950	1110046.822	833	1808813.291	1114194.635
234	1792490.966	1116279.874	334	1811790.825	1115415.425	434	1800475.425	1115545.834	534	1804398.679	1115472.199	634	1816307.851	1115254.120	834	1808759.999	1114149.249
235	1792497.064	1116180.610	335	1811814.825	1115417.117	435	1799915.083	1115564.926	535	1804397.420	1115472.242	635	1816488.430	1120550.967	835	1808669.663	1114068.830
236	1792491.414	1115987.623	336	1811814.852	1115407.117	436	1799735.983	1115571.028	536	1804408.206	1115684.413	636	1818957.392	1115168.488	836	1808618.414	1114021.150
237	1792516.268	1115961.334	337	1812692.980	1115407.750	437	1799481.421	1115579.701	537	1805719.540	1115427.195	637	1800248.760	1110349.523	837	1811568.332	1116439.582
238	1792910.908	1115947.889	338	1812946.420	1115409.161	438	1799162.639	1115590.563	538	1805718.179	1115581.287	638	1803152.005	1118204.958	838	1811493.547	1116382.452
239	1793294.502	1115925.112	339	1812942.140	1115414.156	439	1799136.672	1115561.430	539	1805706.643	1116057.017	639	1813745.109	1117881.334	839	1810891.488	1115872.956
240	1793497.565	1115910.681	340	1813222.716	1115409.445	440	1799137.654	1115591.414	540	1805716.143	1115272.972	640	1813748.778	1117987.656	840	1810822.774	1115808.654
241	1793498.424	1115925.656	341	1813272.581	1115408.608	441	1799087.663	1115593.117	541	1806271.224	1115408.399	641	1816141.761	1109949.853	841	1810891.488	1115872.956
242	1793518.353	1115924.539	342	1813300.839	1115408.134	442	1799087.122	1115576.003	542	1807373.628	1115381.611	642	1818795.781	1109883.766	842	1810822.774	1115808.654
243	1793517.533	1115909.561	343	1813325.074	1115409.532	443	1798780.741	1115587.025	543	1807373.628	1115381.611	643	1818876.587	1112511.127	843	1810822.774	1115808.654
244	1793535.006	1115908.625	344	1813454.332	1115416.988	444	1798686.615	1115692.926	544	1807771.947	1115375.565	644	1813572.499	1112692.029	844	1810822.774	1115808.654
245	1793671.543	1115902.724	345	1813580.461	1115416.748	445	1798589.721	1115694.183	545	1808832.815	1115382.883	645	1784322.653	1110814.370	845	1810822.774	1115808.654
246	1793734.856	1115900.567	346	1813610.698	1115436.103	446	1798589.218	1115679.441	546	1809056.016	1115346.726	646	1784322.653	1110814.370	846	1810822.774	1115808.654
247	1794021.722	1115890.793	347	1813721.342	1115452.874	447	1798750.393	1115682.909	547	1809275.845	1115343.828	647	1784322.653	1110814.370	847	1810822.774	1115808.654
248	1794131.659	1115887.047	348	1813748.842	1115423.417	448	1798751.041	1115701.818	548	1810172.316	1115344.906	648	1784322.653	1110814.370	848	1810822.774	1115808.654
249	1794291.210	1115881.															

# CENTERLINE RECOVERY TIE DETAILS

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	4060
CENTERLINE RECOVERY TIE DETAILS				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	SECTION CORNER		PK NAIL SET
	QUARTER SECTION CORNER		REPLACED AFTER CONSTRUCTION IRON ROD SET
	SECTION LINE		IRON PIPE OR ROD FOUND
	QUARTER SECTION LINE		CUT CROSS FOUND OR SET
	QUARTER QUARTER SECTION LINE		THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
	PLATTED LOT LINE		STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
	PROPERTY (DEED) LINE		EXISTING RIGHT-OF-WAY LINE
	CENTERLINE		PROPOSED RIGHT-OF-WAY LINE
	MEASURED DIMENSION		PROPOSED EASEMENT
	COMPUTED DIMENSION		EXISTING BUILDING
	RECORD DATA		

**SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS**

STATE OF ILLINOIS )  
COUNTY OF DuPAGE ) SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 37 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED 11/05/11 AT CHICAGO, ILLINOIS, THIS 9TH DAY OF NOVEMBER A.D., 2011.

*William W. Wright*  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350  
LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013



RECEIVED  
NOV 09 2011

REVISION DATE	DESCRIPTION	INITIALS
11/05/11	DELETED PT 523; REVISED PT 525	WWW
10/17/11	ISSUED FINAL SURVEY TO IDOT	WWW

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 330/US ROUTE 45  
SECTION: 131st St to 179th St COOK COUNTY  
PROJECT: JOB NO. R-90-004-07  
CENTERLINE RECOVERY TIE DETAILS

SCALE: 1" = 50' SHEET 53 OF 55

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

RECORDING: RECORDED ON AS DOCUMENT NO.

November 5, 2011 - 12:35 Dwg Name: P:\1014\Draws\Plan\Drawings\Plan of Highways\33 C. TIE DETAILS.dwg Updated By: wright

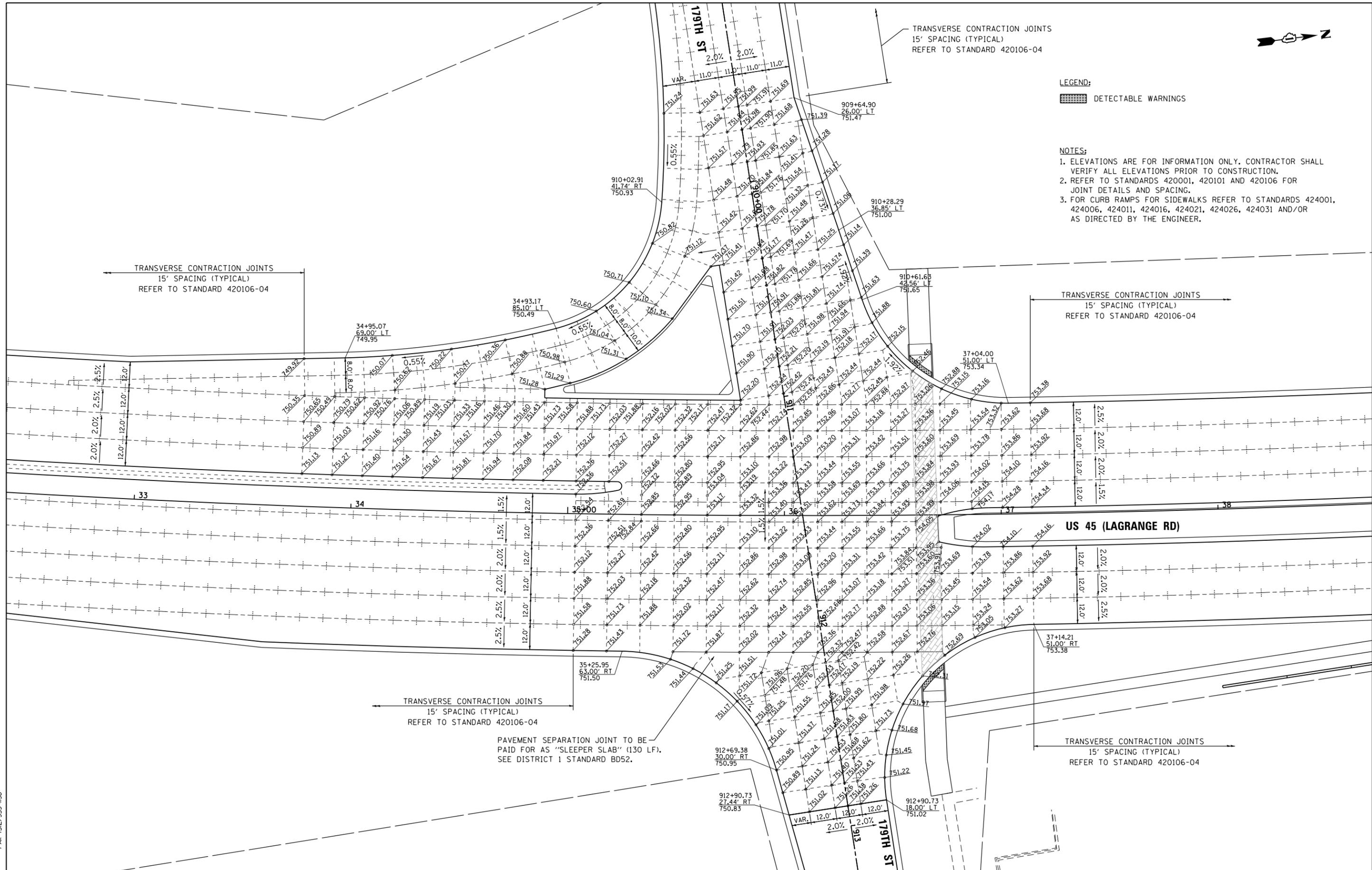
DATE	
BY	
MADE	
CHECKED	
INKE	
NOTEBOOK NO.	



TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

LEGEND:  
[Hatched Box] DETECTABLE WARNINGS

NOTES:  
1. ELEVATIONS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.  
2. REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.  
3. FOR CURB RAMP FOR SIDEWALKS REFER TO STANDARDS 424001, 424006, 424011, 424016, 424021, 424026, 424031 AND/OR AS DIRECTED BY THE ENGINEER.



TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

PAVEMENT SEPARATION JOINT TO BE PAID FOR AS "SLEEPER SLAB" (130 LF).  
SEE DISTRICT 1 STANDARD BD52.

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

100 S. WACKER DR.  
100 S/WITE CAV  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998



FILE NAME = D160F05-SHT-PAVEMENT-DETAILS01.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
PLOT SCALE = 48.0001" / in.  
PLOT DATE = 3/13/2013

DESIGNED - JTF  
DRAWN - JTF  
CHECKED - MJT  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

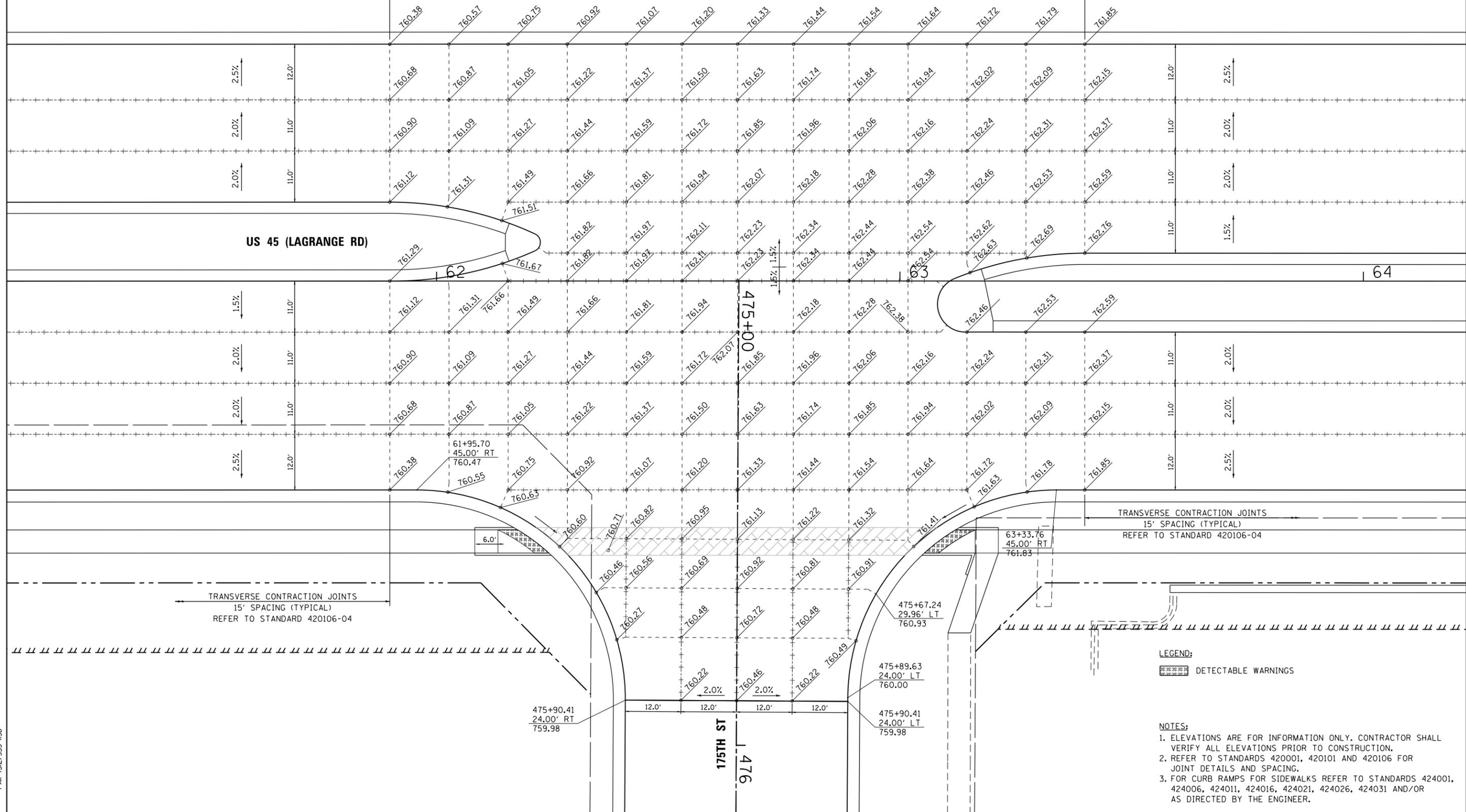
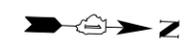
INTERSECTION DETAILS  
US 55 (LAGRANGE ROAD) AND 179TH STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	407
PD-01		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04



US 45 (LAGRANGE RD)

64

475+00

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

LEGEND:  
[Hatched Box] DETECTABLE WARNINGS

NOTES:  
1. ELEVATIONS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.  
2. REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.  
3. FOR CURB RAMPS FOR SIDEWALKS REFER TO STANDARDS 424001, 424006, 424011, 424016, 424021, 424026, 424031 AND/OR AS DIRECTED BY THE ENGINEER.

URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME = D160F05-SHT-PAVEMENT-DETAILS02.dgn	USER NAME = Frank.Stallone	DESIGNED - JTF	REVISED -
		DRAWN - JTF	REVISED -
		CHECKED - MJT	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS  
US 45 (LAGRANGE ROAD) AND 175TH STREET

SCALE: 1"=10' SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 408
PD-02			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

US 45 (LAGRANGE ROAD)

2.5%  
2.0%  
2.0%

2.5%  
2.0%  
2.0%

1.5%  
2.0%  
2.0%  
2.5%  
2.5%

1.5%  
2.0%  
2.0%  
2.5%  
2.5%

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

LEGEND:

 DETECTABLE WARNINGS

NOTES:

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- REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.
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CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998



FILE NAME =  
D160F05-SHT-PAVEMENT-DETAILS03.dgn

USER NAME = Frank.Stallone  
PLOT SCALE = 20.0001' / in.  
PLOT DATE = 3/13/2013

DESIGNED - JTF  
DRAWN - JTF  
CHECKED - MJT  
DATE - 03/13/13

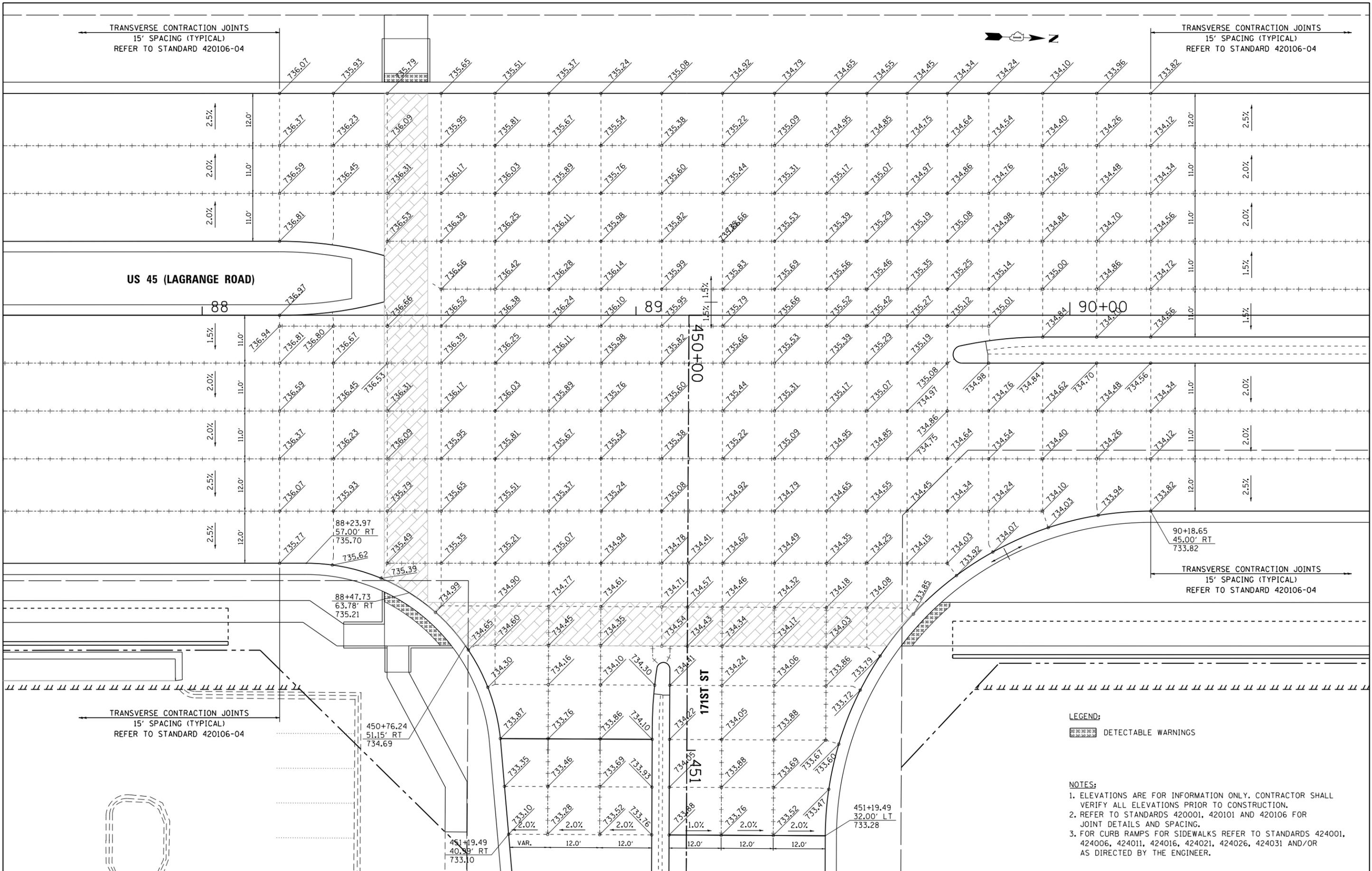
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS  
US 45 (LAGRANGE ROAD) AND 171ST STREET

SCALE: 1"=10' SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	409
<b>PD-03</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

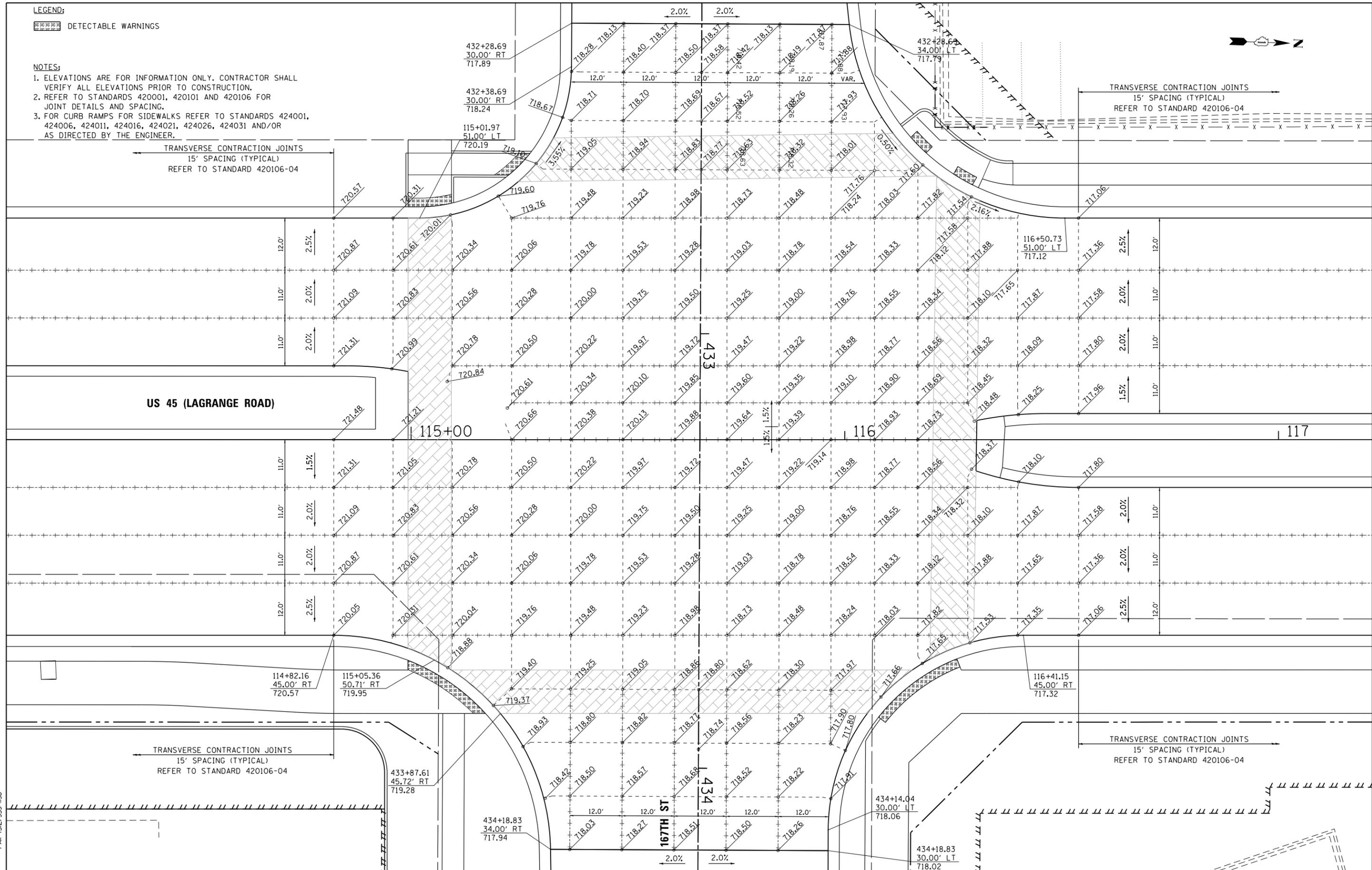


**LEGEND:**

DETECTABLE WARNINGS

**NOTES:**

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- REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.
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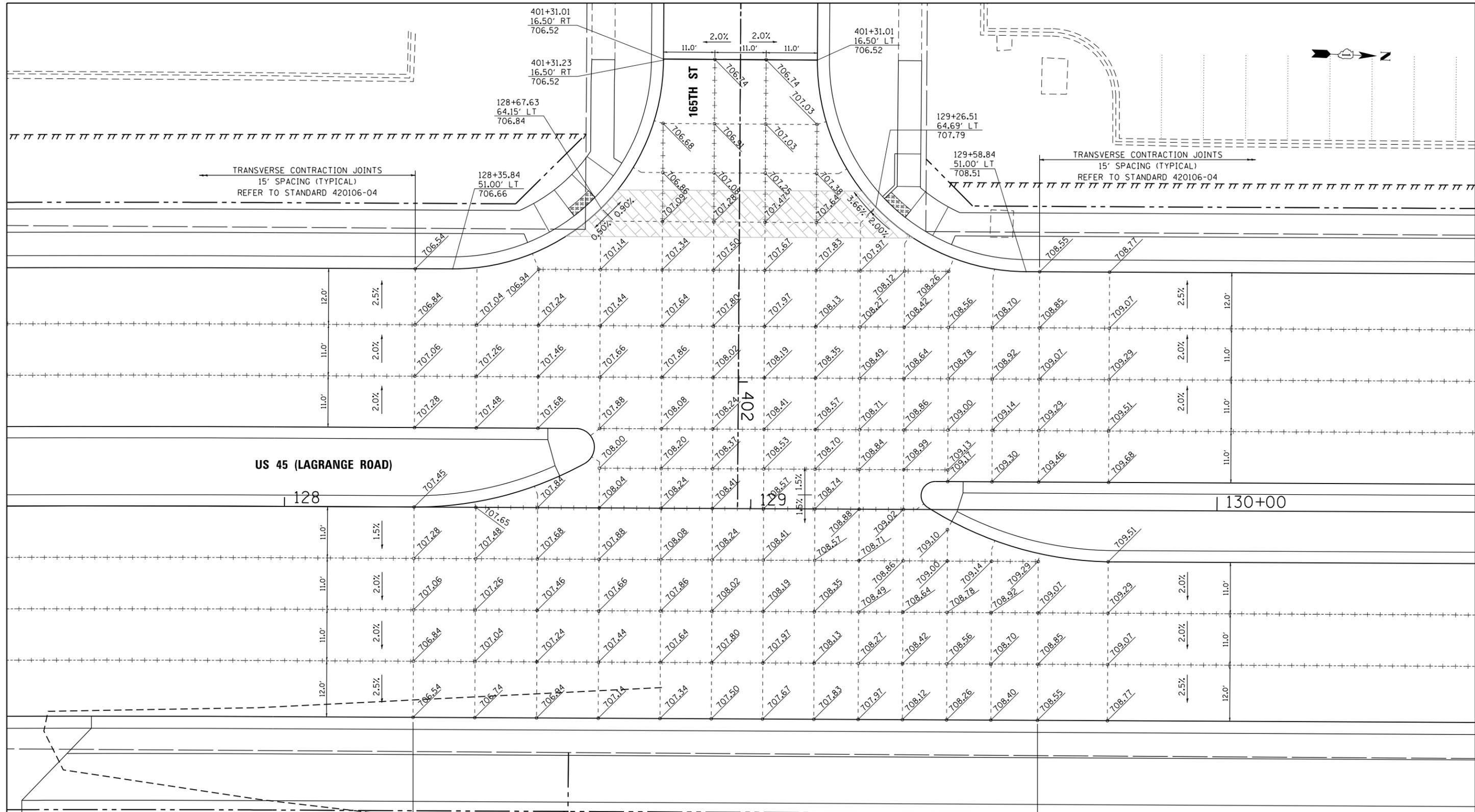
100 S. WACKER DR.  
 10TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =	USER NAME = Frank.Stallone	DESIGNED - JTF	REVISED -
D160F05-SHT-PAVEMENT-DETAILS04.dgn		DRAWN - JTF	REVISED -
		CHECKED - MJT	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

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

**INTERSECTION DETAILS**  
**US 45 (LAGRANGE ROAD) AND 167TH STREET**  
 SCALE: 1"=10' SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	410
<b>PD-04</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

US 45 (LAGRANGE ROAD)

128

402

129

130+00

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

TRANSVERSE CONTRACTION JOINTS  
15' SPACING (TYPICAL)  
REFER TO STANDARD 420106-04

LEGEND:  
[Symbol] DETECTABLE WARNINGS

NOTES:  
1. ELEVATIONS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.  
2. REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.  
3. FOR CURB RAMPS FOR SIDEWALKS REFER TO STANDARDS 424001, 424006, 424011, 424016, 424021, 424026, 424031 AND/OR AS DIRECTED BY THE ENGINEER.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =  
D160F05-SHT-PAVEMENT-DETAILS05.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
PLOT SCALE = 20.0001" / in.  
PLOT DATE = 3/13/2013

DESIGNED - JTF  
DRAWN - JTF  
CHECKED - MJT  
DATE - 03/13/13

REVISED -  
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REVISED -  
REVISED -

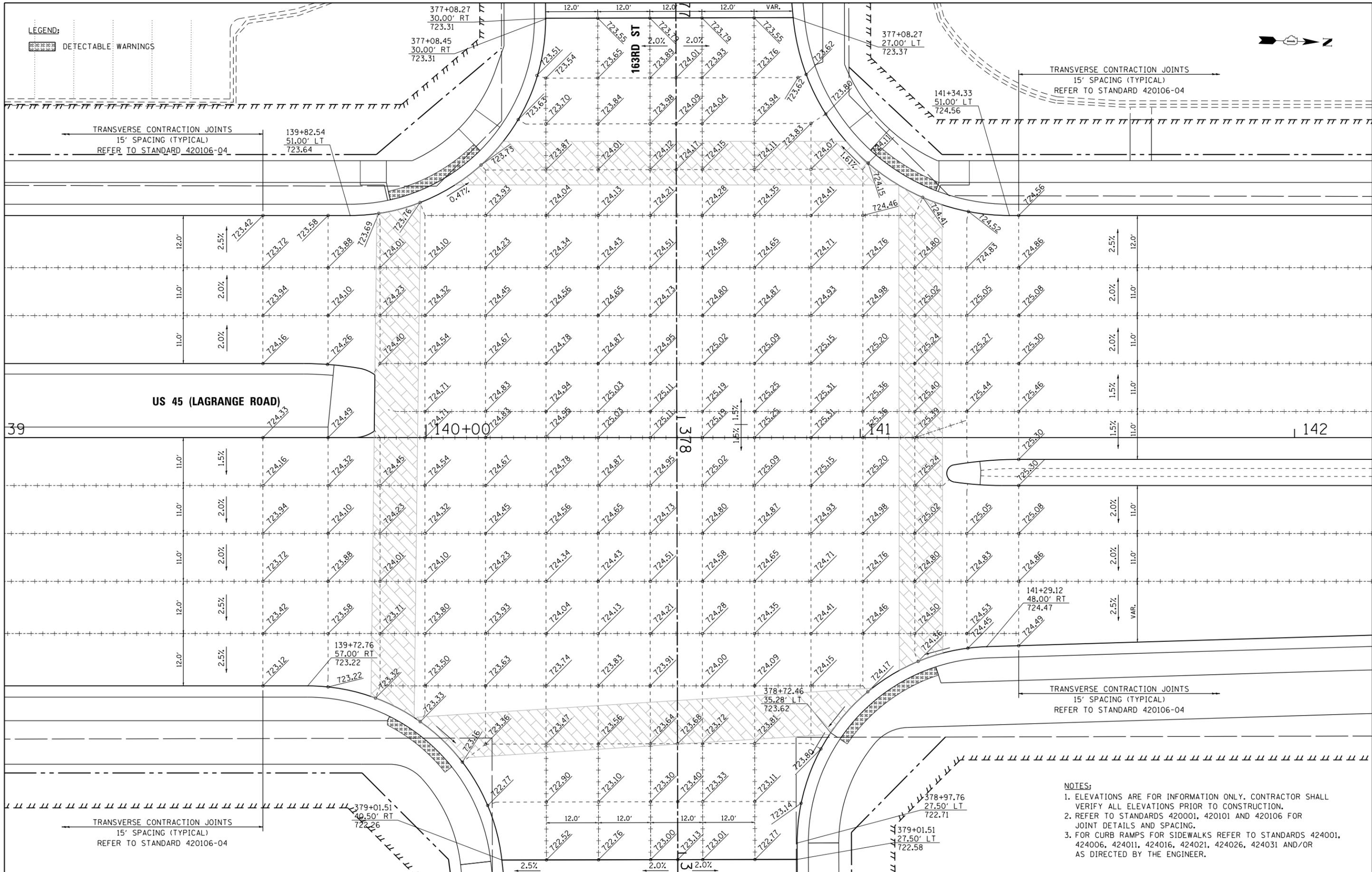
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS  
US 45 (LAGRANGE ROAD) AND 165TH STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	411
PD-05			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

LEGEND:  
 DETECTABLE WARNINGS



US 45 (LAGRANGE ROAD)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS  
 US 45 (LAGRANGE ROAD) AND 163RD STREET

- NOTES:
- ELEVATIONS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.
  - REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.
  - FOR CURB RAMP FOR SIDEWALKS REFER TO STANDARDS 424001, 424006, 424011, 424016, 424021, 424026, 424031 AND/OR AS DIRECTED BY THE ENGINEER.

FILE NAME = D160F05-SHT-PAVEMENT-DETAILS06.dgn  
 SHT.PLAN

USER NAME = Frank.Stallone  
 PLOT SCALE = 20.0001" / in.  
 PLOT DATE = 3/13/2013

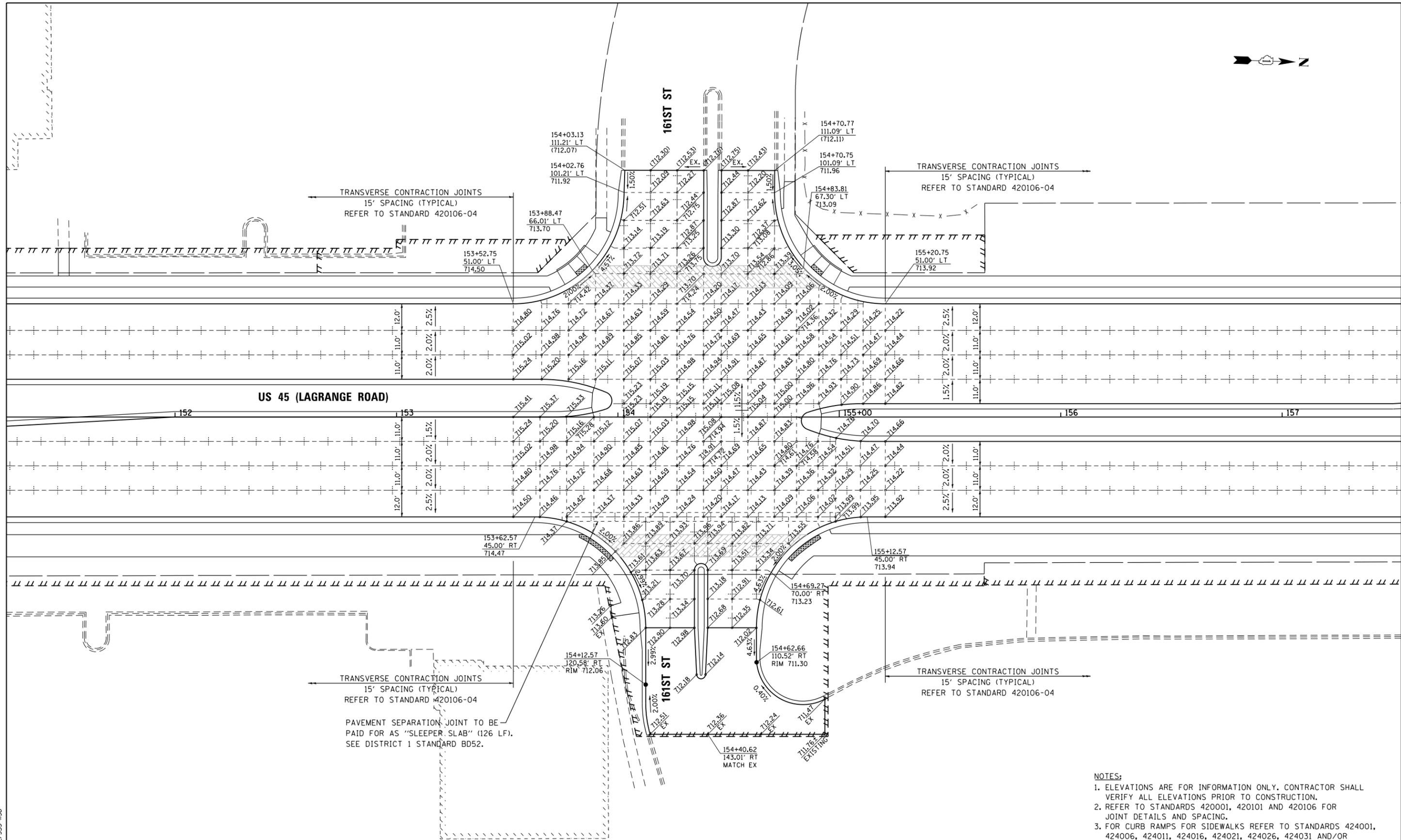
DESIGNED - JTF  
 DRAWN - JTF  
 CHECKED - MJT  
 DATE - 03/13/13

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

SCALE: 1"=10' SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	412
PD-06			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				





- NOTES:**
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  - REFER TO STANDARDS 420001, 420101 AND 420106 FOR JOINT DETAILS AND SPACING.
  - FOR CURB RAMP FOR SIDEWALKS REFER TO STANDARDS 424001, 424006, 424011, 424016, 424021, 424026, 424031 AND/OR AS DIRECTED BY THE ENGINEER.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

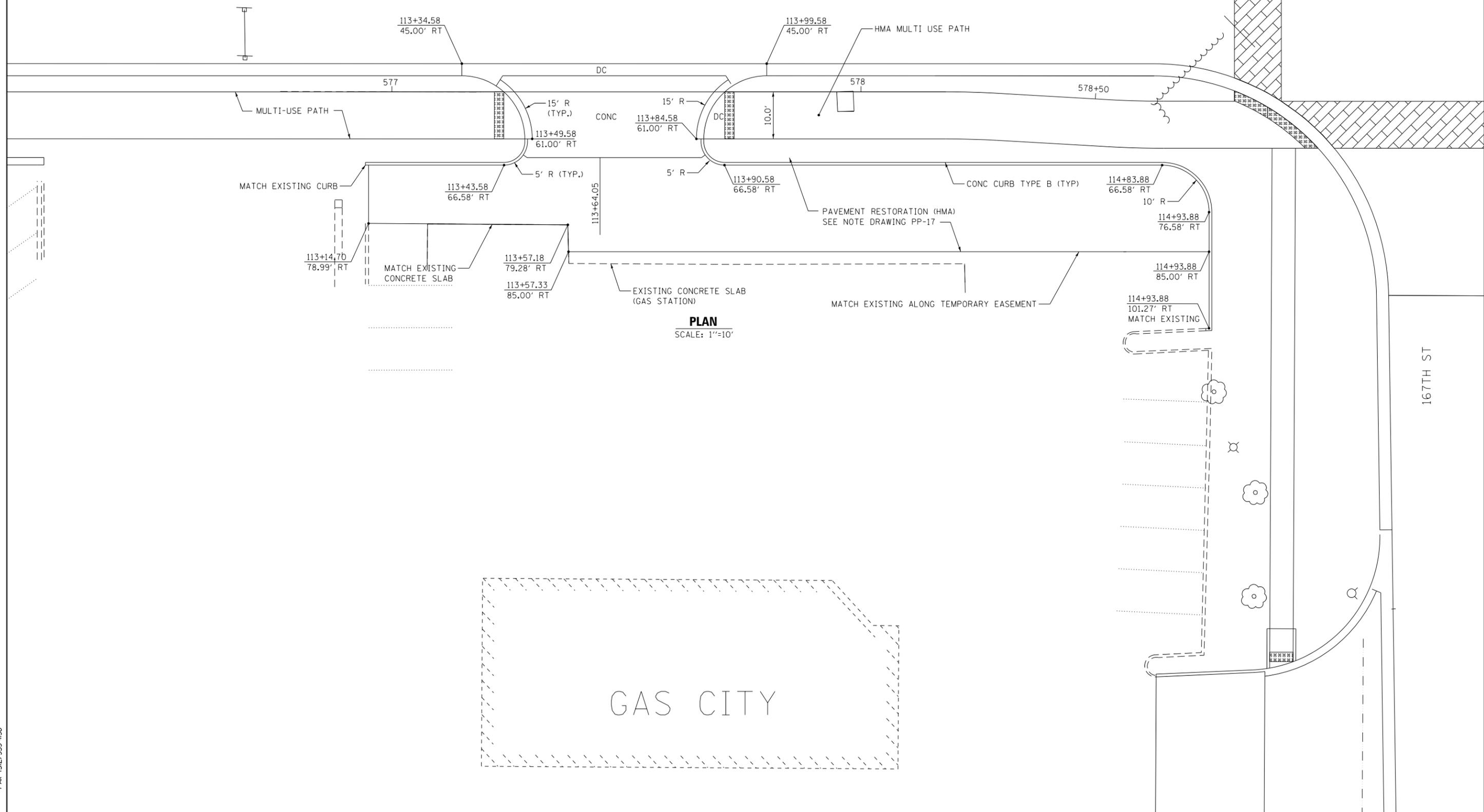
FILE NAME = D160F05-SHT-PAVEMENT-DETAILS07.dgn	USER NAME = Frank.Stallone	DESIGNED - JTF	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001" / in.	DRAWN - JTF	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - MJT	REVISED -
		DATE - 03/13/13	REVISED -

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

**INTERSECTION DETAILS**  
**US 45 (LAGRANGE ROAD) AND 161ST STREET**  
 SCALE: 1"=20' SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	413
<b>PD-07</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

US 45 (LAGRANGE RD)



**PLAN**  
SCALE: 1"=10'

**URS**  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4198

FILE NAME = D160F05-SHT-PAVEMENT-DETAILS08.dgn	USER NAME = Frank_Stallone	DESIGNED - JTF	REVISED -
		DRAWN - JTF	REVISED -
		CHECKED - MJT	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

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

**DRIVEWAY PAVEMENT DETAILS**  
**AT STA. 113 + 82.50**

SCALE: AS SHOWN SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 414
<b>PD-08</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND**

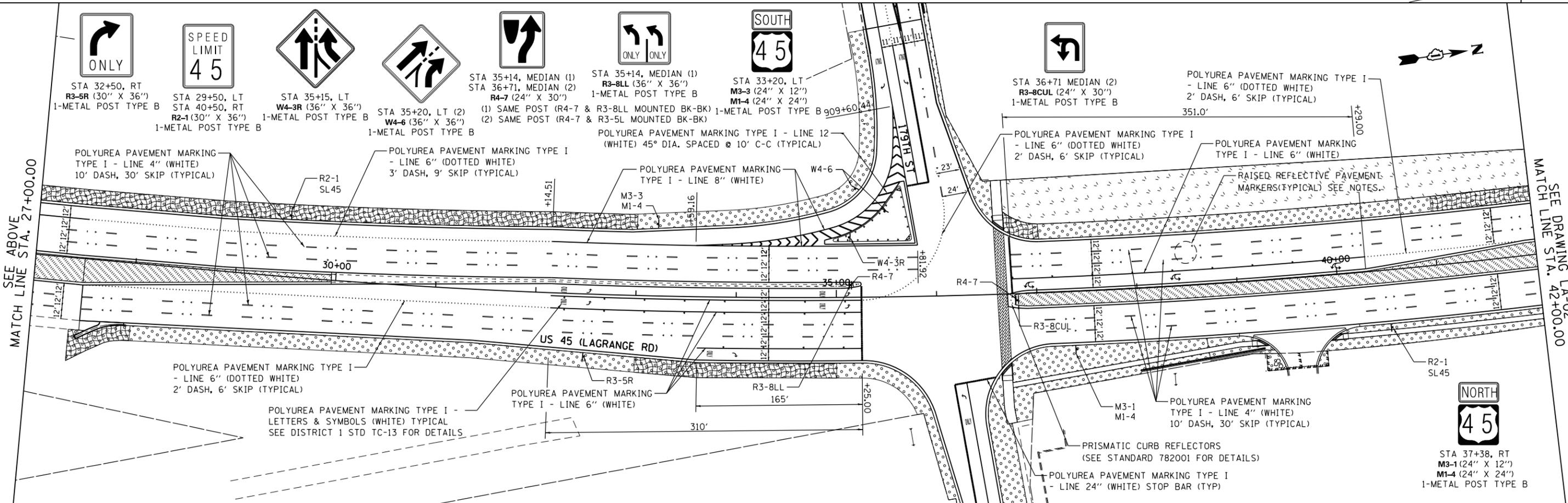
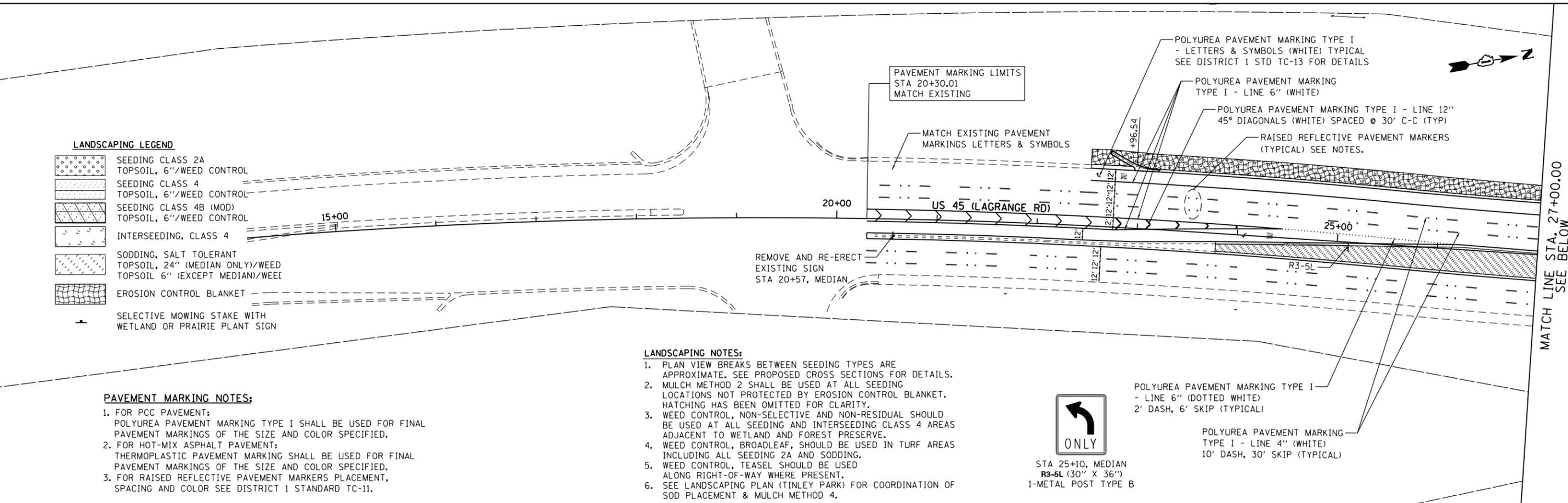
-  SEEDING CLASS 2A  
TOPSOIL, 6"/WEED CONTROL
-  SEEDING CLASS 4  
TOPSOIL, 6"/WEED CONTROL
-  SEEDING CLASS 4B (MOD)  
TOPSOIL, 6"/WEED CONTROL
-  INTERSEEDING, CLASS 4
-  SODDING, SALT TOLERANT  
TOPSOIL, 24" (MEDIAN ONLY)/WEED  
TOPSOIL 6" (EXCEPT MEDIAN)/WEED
-  EROSION CONTROL BLANKET
-  SELECTIVE MOWING STAKE WITH  
WETLAND OR PRAIRIE PLANT SIGN

**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT,  
SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

**LANDSCAPING NOTES:**

1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.



100 S. WACKER DR.  
 100 S. WACKER DR.  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998



FILE NAME =	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
D160F05-SHT-LNDSCP-PMK01.dgn		DRAWN - BFH	REVISED -
		CHECKED - MJT	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
US 45 (LAGRANGE ROAD)**

SCALE: 1"=50' SHEET NO. 1 OF 6 SHEETS STA. BEGIN TO STA. 42+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	415
<b>LA-01</b>		<b>CONTRACT NO. 60F05</b>		
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND**

	SEEDING CLASS 2A TOPSOIL, 6"/WEED CONTROL		SODDING, SALT TOLERANT TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL
	SEEDING CLASS 4 TOPSOIL, 6"/WEED CONTROL		EROSION CONTROL BLANKET
	SEEDING CLASS 4B (MOD) TOPSOIL, 6"/WEED CONTROL		SELECTIVE MOWING STAKE WITH WETLAND OR PRAIRIE PLANT SIGN
	INTERSEEDING, CLASS 4		



STA 52+89, LT  
W1-2 (36" X 36")  
1-METAL POST TYPE B



175th St  
STA 54+16, RT  
W2-2R (36" X 36")  
W16-8P (30" X 9")  
1-METAL POST TYPE B

RAISED REFLECTIVE PAVEMENT MARKERS  
(TYPICAL) SEE NOTES.

US 45 (LAGRANGE RD)

**LANDSCAPING NOTES:**

1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 4" (WHITE)  
10' DASH, 30' SKIP (TYPICAL)

**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

SPEED  
LIMIT  
45



STA 60+10, LT  
R2-1 (30" X 36")  
1-METAL POST TYPE B

STA 62+71, LT  
W1-7 (48" X 24")  
1-METAL POST TYPE B

PRISMATIC CURB REFLECTORS  
(SEE STD 782001 FOR DETAILS)

POLYUREA PAVEMENT MARKING TYPE I -  
LETTERS & SYMBOLS (WHITE) TYPICAL  
SEE DISTRICT 1 STD TC-13 FOR DETAILS

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 6" (WHITE)

**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

US 45 (LAGRANGE RD)

175th St

48" X 18"  
96th Ave  
US Rte 45



STA 62+05, MEDIAN (1)  
R3-8U (24" X 30")  
1-METAL POST TYPE B

STA 62+05, MEDIAN (1)  
STA 63+28, MEDIAN (2)  
R4-7 (24" X 30")  
1-METAL POST TYPE B

STA 63+28, MEDIAN (3)  
R3-5L (24" X 30")  
1-METAL POST TYPE B

(1) SAME POST (R4-7 & R3-8U MOUNTED BK-BK)  
(2) SAME POST (R4-7 & R3-5L MOUNTED BK-BK)

STA 63+60, RT. RELOCATE EXISTING SIGNS  
WITH 1 METAL POST TYPE B, ILLINOIS SYMBOL,  
ADOPT A HIGHWAY, AND KEEP ILLINOIS CLEAN SIGN

D3-1 (175TH ST, RTE 45)

R1-1

POLYUREA PAVEMENT MARKING TYPE I  
- LINE 24" (WHITE) STOP BAR (TYP)



STA 63+00, RT  
R1-1 (36" X 36")  
1-METAL POST TYPE B



STA 66+83, RT  
R1-1 (36" X 36")  
1-METAL POST TYPE B

URS  
100 S. WACKER DR.  
1000 N. MICHIGAN AVE  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

FILE NAME = D160F05-SHT-LNDSCP-PMK02.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
		DRAWN - BFH	REVISED -
		CHECKED - MJT	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: 1"=50' SHEET 2 OF 6 SHEETS STA. 42+00.00 TO STA. 72+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	416
LA-02		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

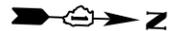
**LANDSCAPING NOTES:**

1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

**LANDSCAPING LEGEND**

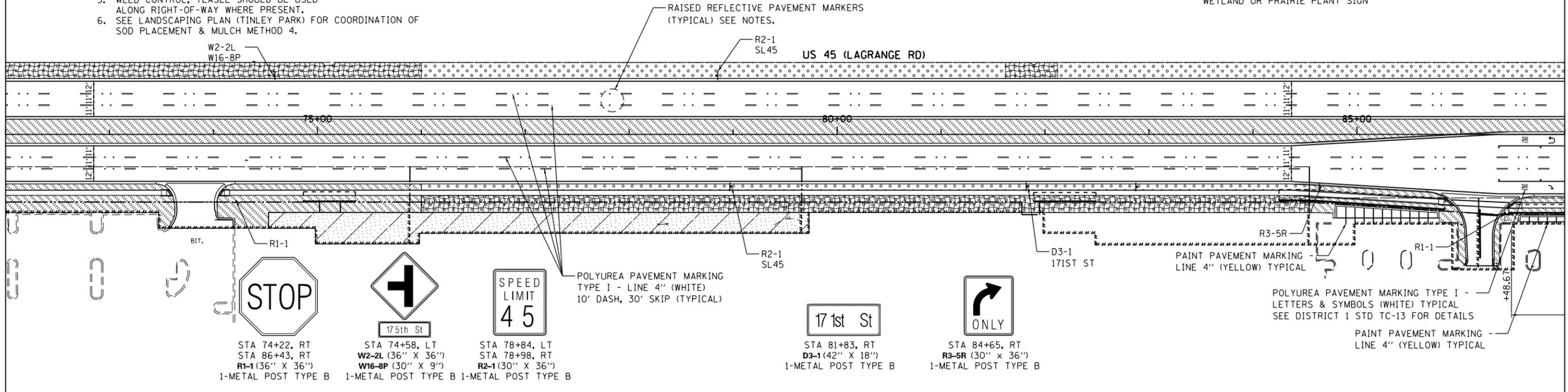
- SEEDING CLASS 2A TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4 TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4B (MOD) TOPSOIL, 6"/WEED CONTROL
- INTERSEEDING, CLASS 4
- SODDING, SALT TOLERANT TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL
- TOPSOIL 6" (EXCEPT MEDIAN)/WEED CONTROL
- EROSION CONTROL BLANKET

SELECTIVE MOWING STAKE WITH WETLAND OR PRAIRIE PLANT SIGN



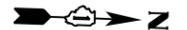
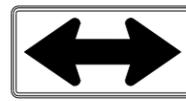
SEE DRAWING LA-02  
MATCH LINE STA. 72+00.00

MATCH LINE STA. 87+00.00  
SEE BELOW



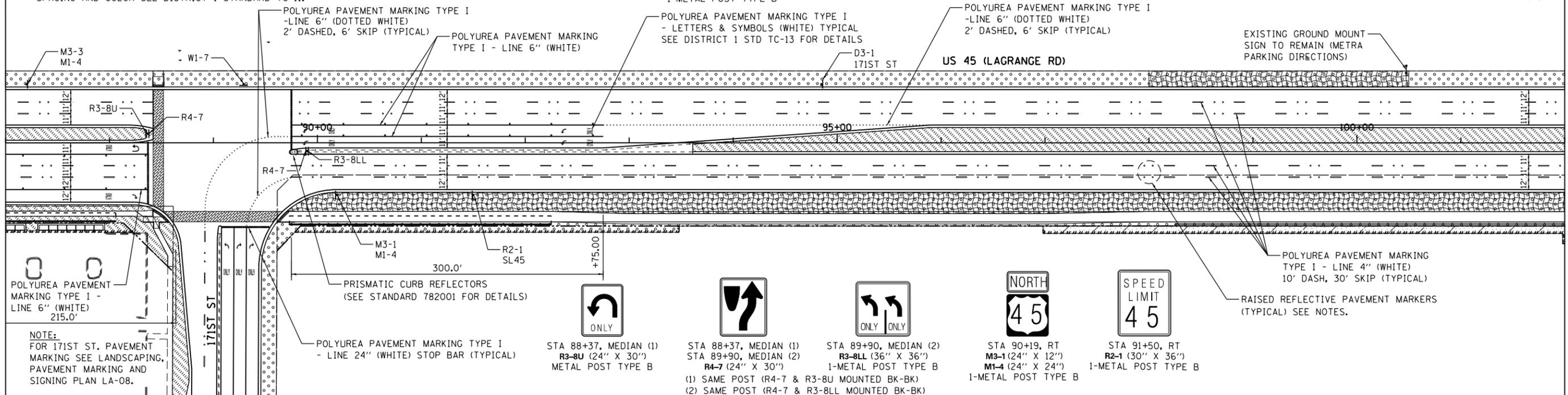
**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT: POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT: THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.



SEE ABOVE  
MATCH LINE STA. 87+00.00

MATCH LINE STA. 102+00.00  
SEE DRAWING LA-04



URS  
100 S. WACKER DR.  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME = D:\160F05-SHT-LNDSCP-PMK03.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
PLOT SCALE = 100.000091' / in.	CHECKED - MJT	DRAWN - BFH	REVISED -
SHT_DOUBLE PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

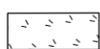
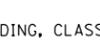
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
US 55 (LAGRANGE ROAD)**

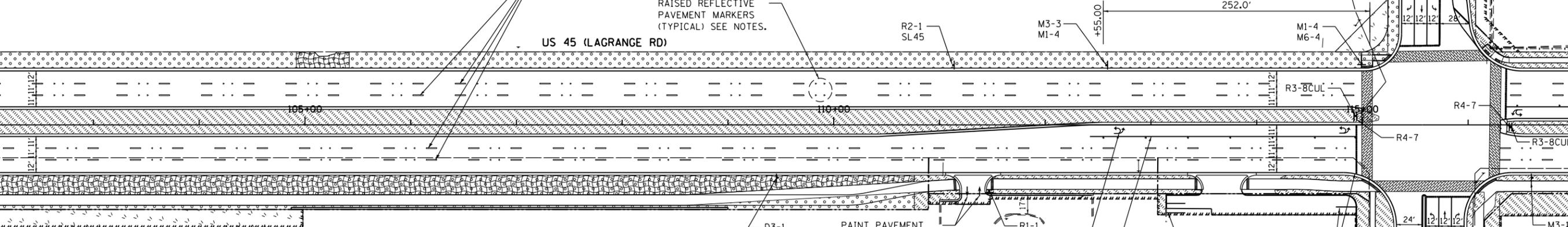
SCALE: 1"=50' SHEET 3 OF 6 SHEETS STA. 72+00.00 TO STA. 102+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 417
LA-03		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND**

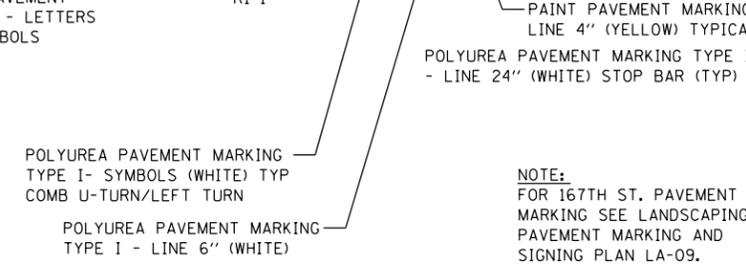
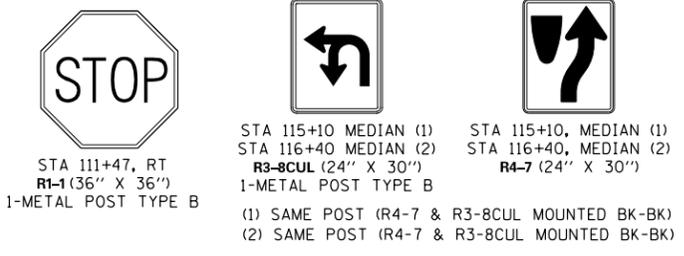
-  SEEDING CLASS 2A  
TOPSOIL, 6"/WEED CONTROL
-  SEEDING CLASS 4  
TOPSOIL, 6"/WEED CONTROL
-  SEEDING CLASS 4B (MOD)  
TOPSOIL, 6"/WEED CONTROL
-  INTERSEEDING, CLASS 4
-  SODDING, SALT TOLERANT  
TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL  
TOPSOIL 6" (EXCEPT MEDIAN)/WEED CONTROL
-  EROSION CONTROL BLANKET
-  SELECTIVE MOWING STAKE WITH  
WETLAND OR PRAIRIE PLANT SIGN

SEE DRAWING LA-03  
MATCH LINE STA. 102+00.00



**LANDSCAPING NOTES:**

1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.



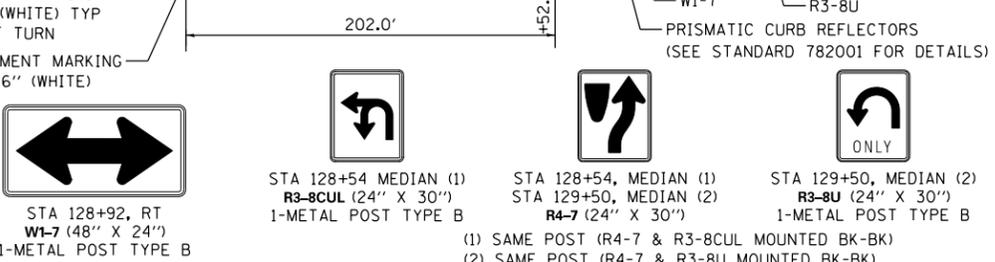
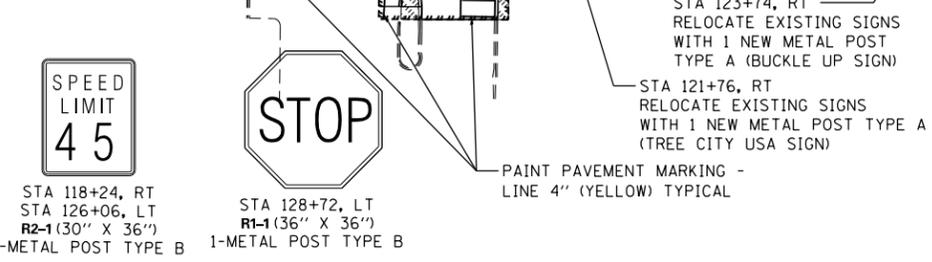
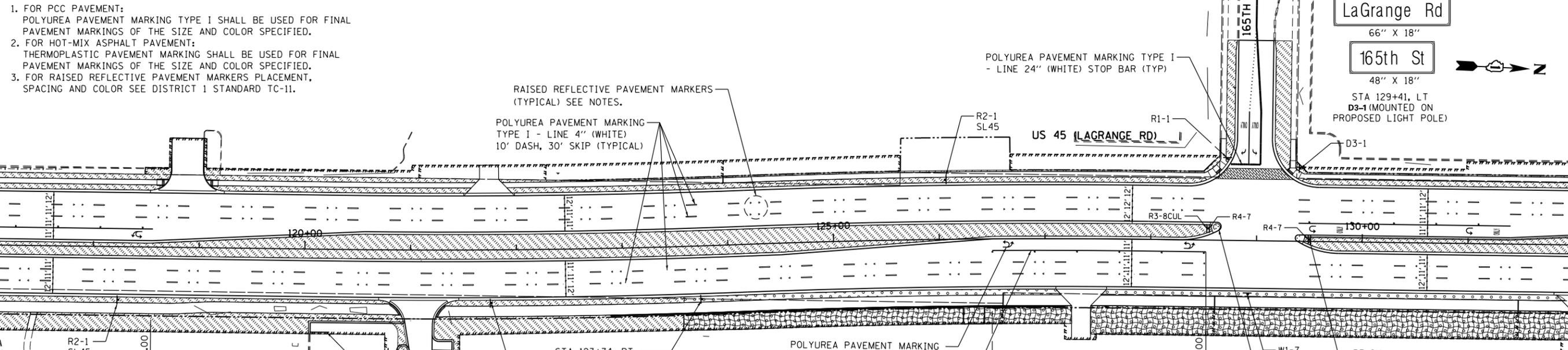
NOTE:  
FOR 167TH ST. PAVEMENT MARKING SEE LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN LA-09.

MATCH LINE STA. 117+00.00  
SEE BELOW

**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

SEE ABOVE  
MATCH LINE STA. 117+00.00



MATCH LINE STA. 132+00.00  
SEE DRAWING LA-05



100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME = D:\160F05-SHT-LANDSCP-PMK04.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
PLOT SCALE = 100.000091' / in.	CHECKED - MJT	DRAWN - BFH	REVISED -
PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISIONS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN</b>			
<b>US 45 (LAGRANGE ROAD)</b>			
SCALE: 1"=50'	SHEET 4 OF 6 SHEETS	STA. 102+00.00 TO STA. 132+00.00	

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 418
<b>LA-04</b>		CONTRACT NO. 60F05	ILLINOIS FED. AID PROJECT	

163rd St

STA 135+90, RT  
D3-1 (48" X 18")  
1-METAL POST TYPE A

RAISED REFLECTIVE PAVEMENT MARKERS  
(TYPICAL) SEE NOTES.

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 4" (WHITE)  
10' DASH, 30' SKIP (TYPICAL)

**LANDSCAPING NOTES:**

1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

SPEED LIMIT  
45

SOUTH  
45

STA 138+95, LT  
STA 143+50, RT  
R2-1 (30" X 36")  
1-METAL POST TYPE B

STA 139+78, LT  
M3-3 (24" X 12")  
M1-4 (24" X 24")  
1-METAL POST TYPE B

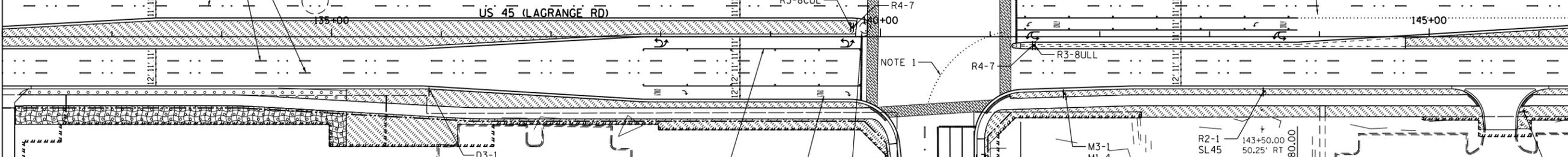
POLYUREA PAVEMENT MARKING TYPE I  
- LINE 6" (DOTTED WHITE)  
2' DASH, 6' SKIP (TYPICAL)

STOP

STA 145+86, RT  
STA 146+27, LT  
R1-1 (36" X 36")  
1-METAL POST TYPE B

SEE DRAWING LA-04  
MATCH LINE STA. 132+00.00

MATCH LINE STA. 147+00.00  
SEE BELOW



**LANDSCAPING LEGEND**

- |  |  |  |   |
|--|--|--|---|
|  | SEEDING CLASS 2A<br>TOPSOIL, 6"/WEED CONTROL       |  | SODDING, SALT TOLERANT<br>TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL |
|  | SEEDING CLASS 4<br>TOPSOIL, 6"/WEED CONTROL        |  | EROSION CONTROL BLANKET   |
|  | SEEDING CLASS 4B (MOD)<br>TOPSOIL, 6"/WEED CONTROL |  | SELECTIVE MOWING STAKE WITH<br>WETLAND OR PRAIRIE PLANT SIGN      |
|  | INTERSEEDING, CLASS 4                              |  |   |

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 6" (WHITE)

POLYUREA PAVEMENT MARKING TYPE I -  
LETTERS & SYMBOLS (WHITE) TYPICAL  
SEE DISTRICT 1 STD TC-13 FOR DETAILS

PRISMATIC CURB REFLECTORS  
(SEE STANDARD 782001 FOR DETAILS)



STA 139+74, MEDIAN (1)  
STA 141+40, MEDIAN (2)  
R4-7 (24" X 30")



STA 139+74, MEDIAN (1)  
R3-8CUL (24" X 30")  
1-METAL POST TYPE B



STA 141+40, MEDIAN (2)  
R3-BULL (36" X 36")  
1-METAL POST TYPE B

NORTH  
45

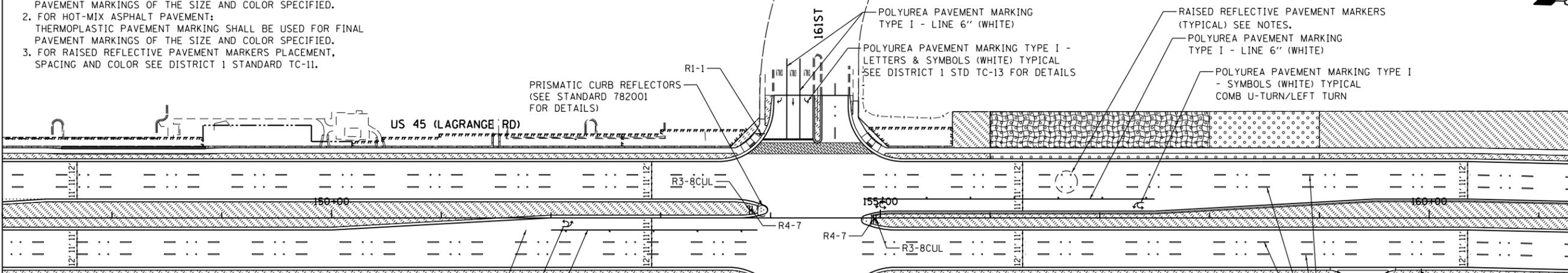
STA 141+68, RT  
M3-1 (24" X 12")  
M1-4 (24" X 24")  
1-METAL POST TYPE B

**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT,  
SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

SEE ABOVE  
MATCH LINE STA. 147+00.00

MATCH LINE STA. 162+00.00  
SEE DRAWING LA-06



POLYUREA PAVEMENT MARKING TYPE I  
- LINE 6" (DOTTED WHITE)  
2' DASH, 6' SKIP (TYPICAL)

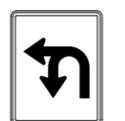
POLYUREA PAVEMENT MARKING TYPE I  
- SYMBOLS (WHITE) TYPICAL  
COMB U-TURN/LEFT TURN ARROWS

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 6" (WHITE)

(1) SAME POST (R4-7 & R3-8CUL MOUNTED BK-BK)  
(2) SAME POST (R4-7 & R3-8CUL MOUNTED BK-BK)



STA 153+82, MEDIAN (1)  
STA 154+95, MEDIAN (2)  
R4-7 (24" X 30")



STA 153+82, MEDIAN (1)  
STA 154+95, MEDIAN (2)  
R3-8CUL (24" X 30")  
1-METAL POST TYPE B

188.0'

POLYUREA PAVEMENT MARKING TYPE I  
- LINE 24" (WHITE) STOP BAR (TYPICAL)

R1-1

265.0'

STOP

STA 153+91, LT  
STA 154+75, RT  
R1-1 (36" X 36")  
1-METAL POST TYPE B

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 4" (WHITE)  
10' DASH, 30' SKIP (TYPICAL)

M2-1  
M1-4  
D3-2

JCT  
6  
159th St

STA 159+94, RT  
M2-1 (30" X 21")  
M1-4 (36" X 36")  
D3-2 (36" X 9")  
1-METAL POST TYPE B

URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME = D160F05-SHT-LNDSCP-PMK05.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
		DRAWN - BFH	REVISED -
		CHECKED - MJT	REVISED -
SHT_DOUBLE PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: 1"=50' SHEET 5 OF 6 SHEETS STA. 132+00.00 TO STA. 162+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	419
LA-05		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SPEED LIMIT  
35

STA 163+30, LT  
R2-1 (30" X 36")  
1-METAL POST TYPE B

REMOVE & RE-ERECT EXISTING SIGN  
STA 165+90, MEDIAN  
STA 166+23, MEDIAN  
STA 167+93, MEDIAN

NOTE 1:  
EXISTING SIGNS MOUNTED  
ON LIGHT POLE TO REMAIN  
STA 164+77.7, LT  
STA 167+08.2, LT  
STA 167+74.5, RT

LANDSCAPING LEGEND

- SEEDING CLASS 2A  
TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4  
TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4B (MOD)  
TOPSOIL, 6"/WEED CONTROL
- INTERSEEDING, CLASS 4
- SODDING, SALT TOLERANT  
TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL  
TOPSOIL 6" (EXCEPT MEDIAN)/WEED CONTROL
- EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH  
WETLAND OR PRAIRIE PLANT SIGN

SEE DRAWING LA-05  
MATCH LINE STA. 162+00.00

163+54.27

R2-1  
SL45

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 4" (WHITE)  
10' DASH, 30' SKIP (TYPICAL)

W4-2R  
NOTE 1

RAISED REFLECTIVE  
PAVEMENT MARKERS  
(TYPICAL) SEE NOTES.

PAVEMENT MARKING LIMITS  
STA 168+00.00  
MATCH EXISTING

M3-3  
M1-4  
NOTE 1

159TH ST

US 45 (LAGRANGE RD)

POLYUREA PAVEMENT MARKING TYPE  
- LINE 6" (DOTTED WHITE)  
2' DASH, 6' SKIP (TYPICAL)

SPEED LIMIT  
35

STA 162+80, RT  
R2-1 (30" X 36")  
1-METAL POST TYPE B

POLYUREA PAVEMENT MARKING  
TYPE I - LINE 6" (WHITE)

POLYUREA PAVEMENT MARKING TYPE I -  
LETTERS & SYMBOLS (WHITE) TYPICAL  
SEE DISTRICT 1 STD TC-13 FOR DETAILS

PRISMATIC CURB REFLECTORS  
(SEE STANDARD 782001 FOR DETAILS)

POLYUREA PAVEMENT MARKING TYPE I  
- LINE 24" (WHITE) STOP BAR (TYPICAL)

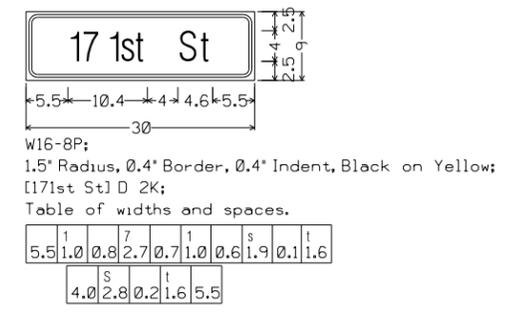
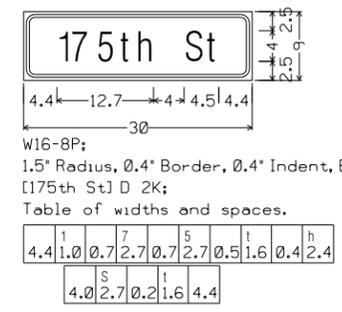
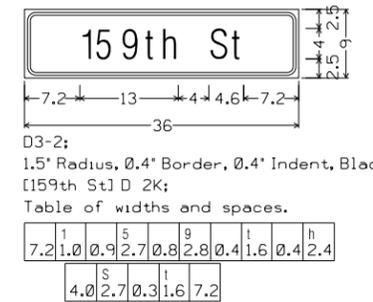
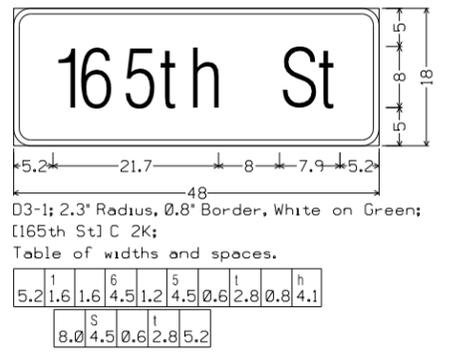
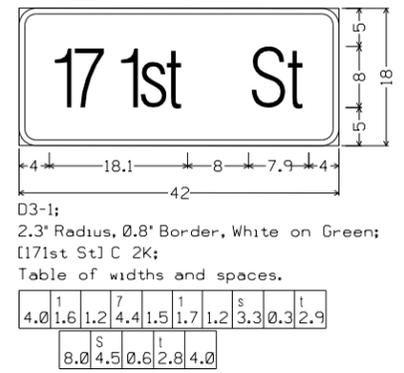
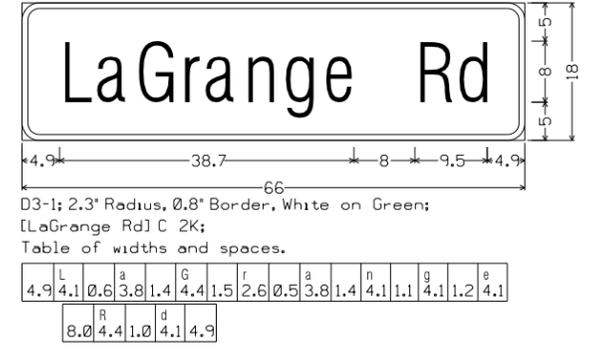
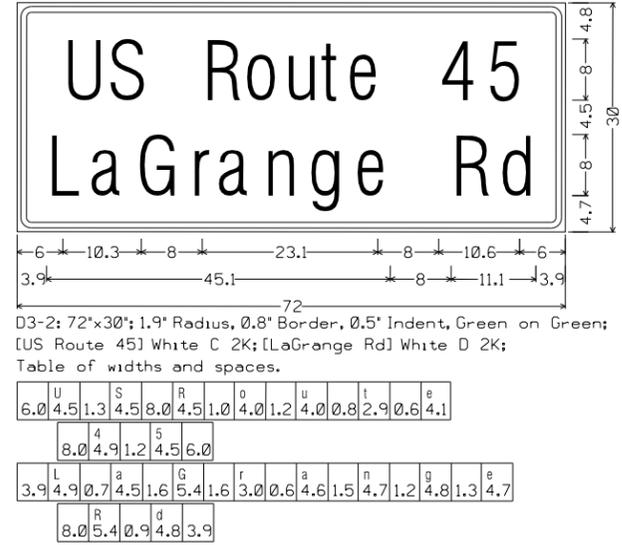
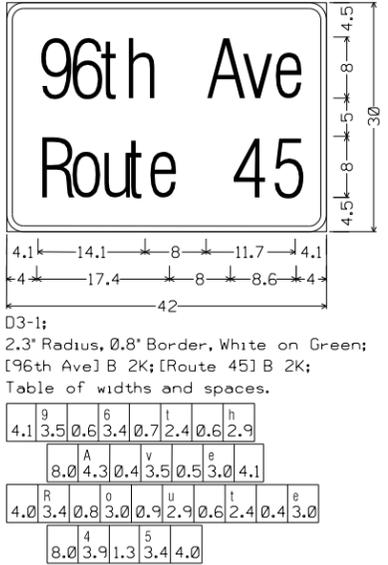
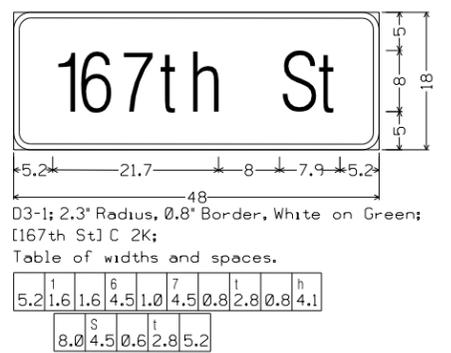
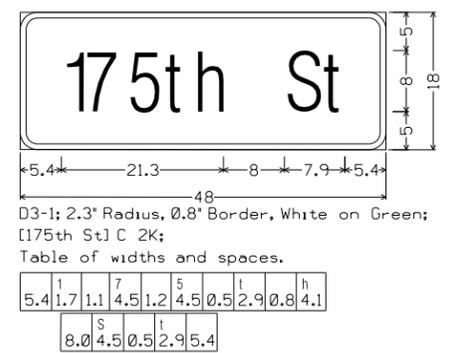
M1-4  
M6-3  
M1-4  
M6-4  
NOTE 1

PAVEMENT MARKING NOTES:

1. FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL  
PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL  
PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT,  
SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

LANDSCAPING NOTES:

1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE  
APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING  
LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET.  
HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD  
BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS  
ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS  
INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED  
ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF  
SOD PLACEMENT & MULCH METHOD 4.



URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME = D160F05-SHT-LNDSKP-PMK06.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
PLOT SCALE = 100.000091' / in.	CHECKED - MJT	DRAWN - BFH	REVISED -
SHT_DOUBLE PLAN	DATE - 03/13/13	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

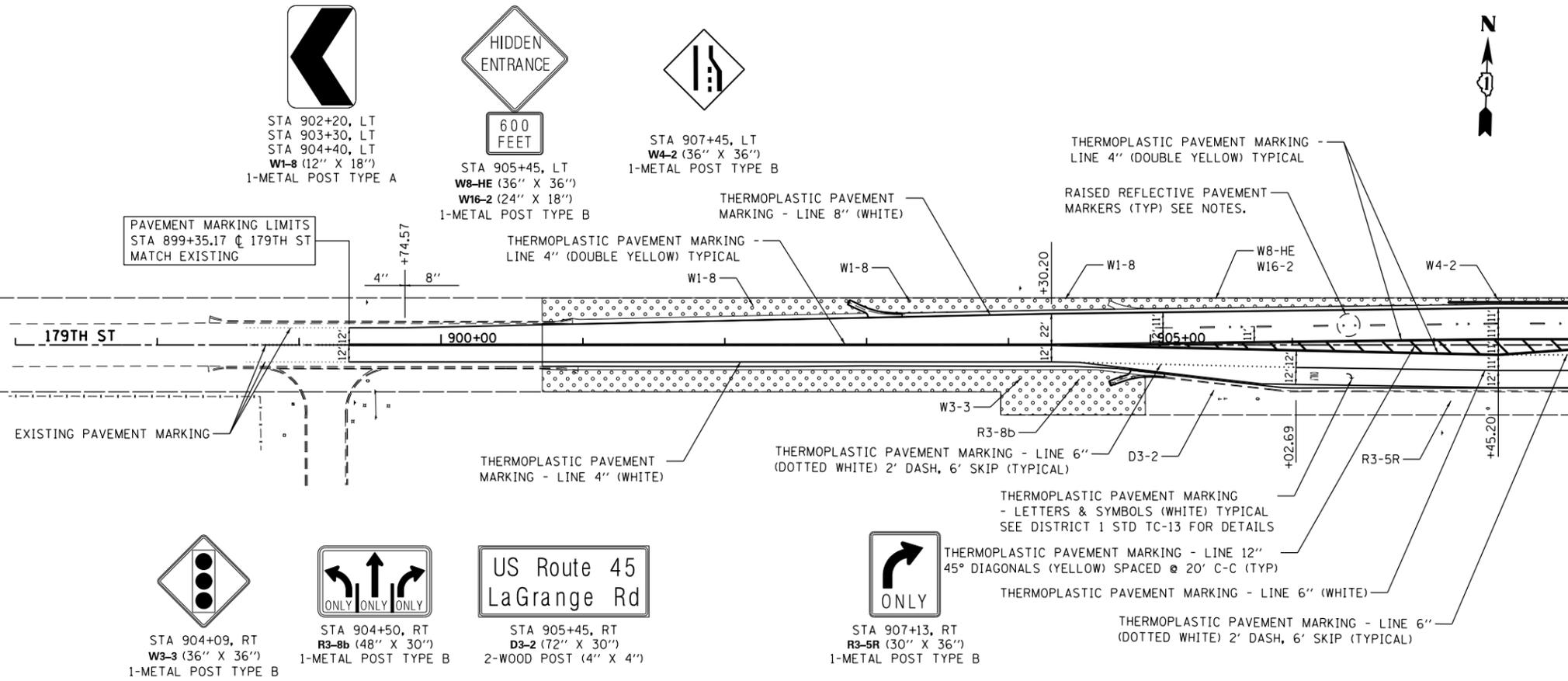
LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: 1"=50' SHEET 6 OF 6 SHEETS STA. 162+00.00 TO STA. END

F.A.P RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 420
LA-06		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

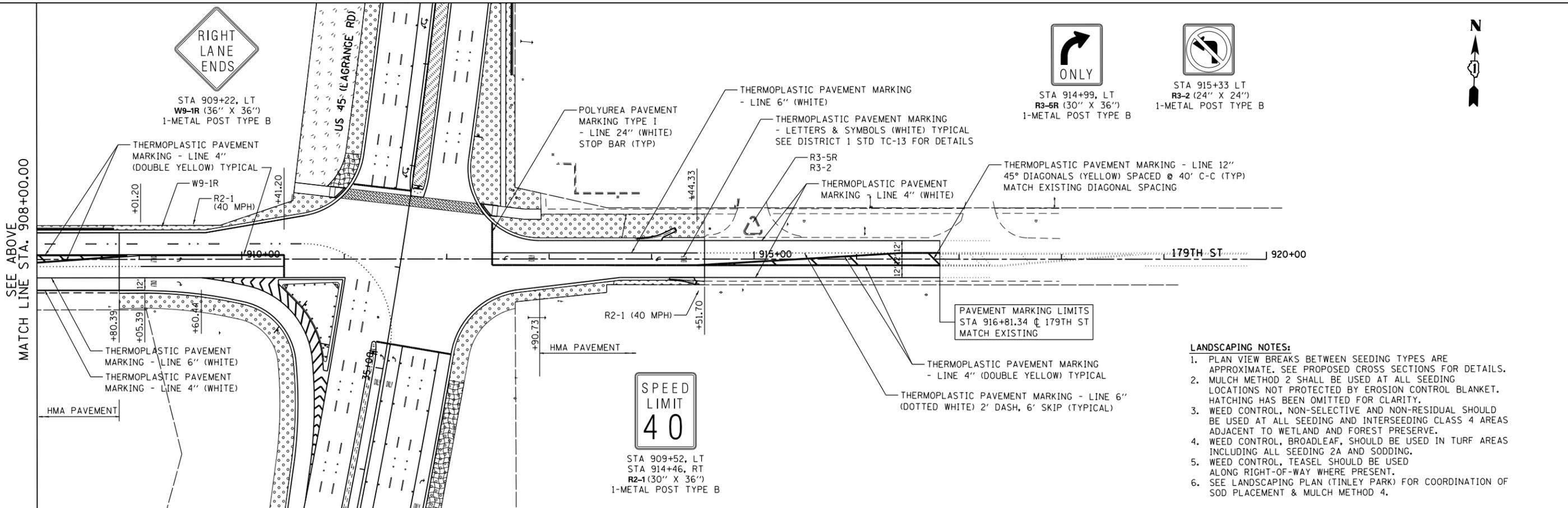
**LANDSCAPING LEGEND**

	SEEDING CLASS 2A TOPSOIL, 6"/WEED CONTROL
	SEEDING CLASS 4 TOPSOIL, 6"/WEED CONTROL
	SEEDING CLASS 4B (MOD) TOPSOIL, 6"/WEED CONTROL
	INTERSEEDING, CLASS 4
	SODDING, SALT TOLERANT TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL TOPSOIL 6" (EXCEPT MEDIAN)/WEED CONTROL
	EROSION CONTROL BLANKET
	SELECTIVE MOWING STAKE WITH WETLAND OR PRAIRIE PLANT SIGN



- PAVEMENT MARKING NOTES:**
- FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
  - FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
  - ALL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS ALONG 179TH ST SHALL BE IN ACCORDANCE WITH COOK COUNTY HIGHWAY DEPARTMENT (CCHD) STANDARDS. SEE DRAWING NOS. CCHD-02 AND CCHD-03

MATCH LINE STA. 908+00.00  
SEE BELOW



- LANDSCAPING NOTES:**
- PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
  - MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
  - WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
  - WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
  - WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
  - SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

**URS**  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

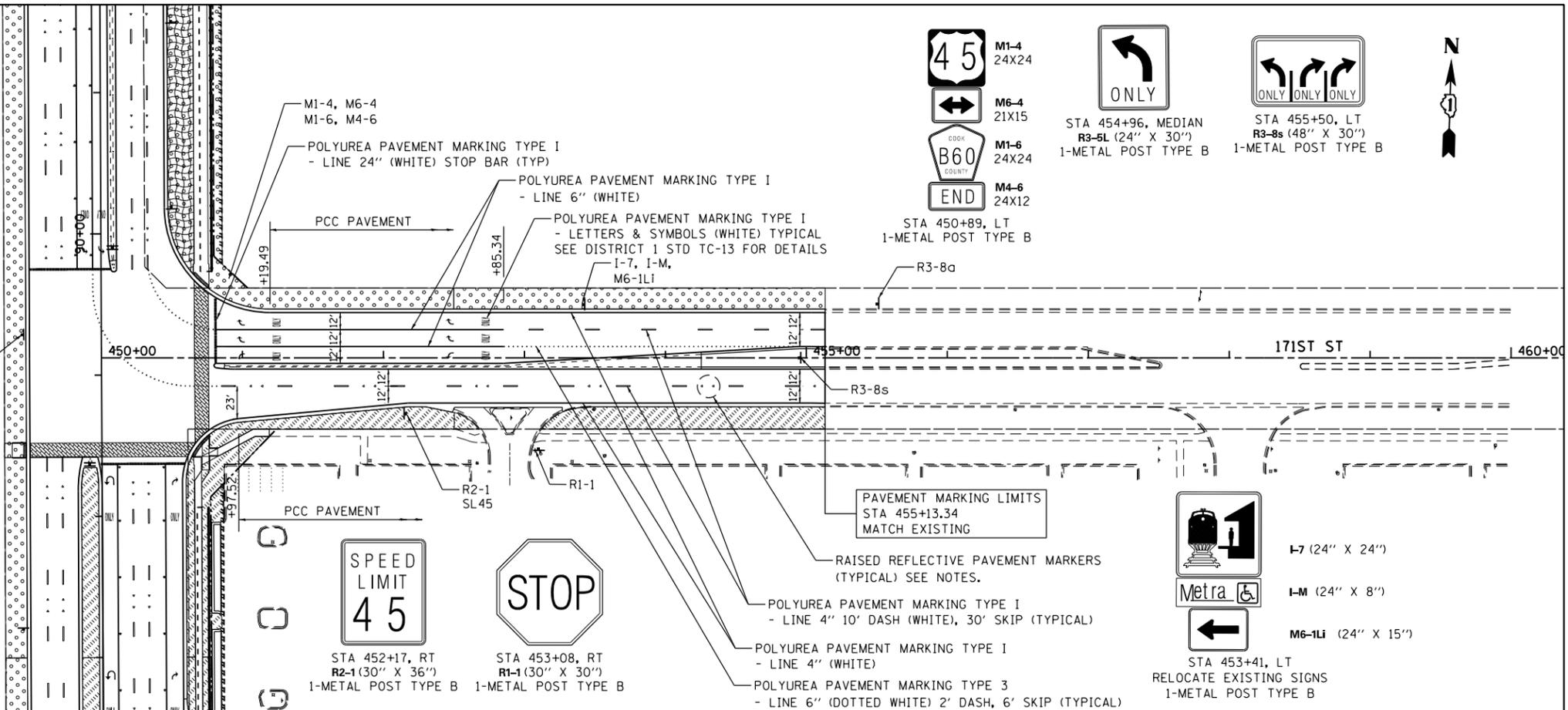
FILE NAME = D160F05-SHT-LNDSCP-PMK07.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN 179TH STREET</b>	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 421	
PLOT SCALE = 1/8" = 100.000000' / in.	CHECKED - MJT	REVISED -	SCALE: 1" = 50'			SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>LA-07</b>		CONTRACT NO. 60F05	ILLINOIS FED. AID PROJECT
PLOT DATE = 3/13/2013	DATE = 03/13/13	REVISED -									

**PAVEMENT MARKING NOTES:**

- FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
- FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
- ALL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS ALONG 171ST ST SHALL BE IN ACCORDANCE WITH COOK COUNTY HIGHWAY DEPARTMENT (CCHD) STANDARDS.  
SEE DRAWING NOS. CCHD-02 AND CCHD-03

W1-7, SEE US 45 PAVEMENT MARKING PLANS

US 45 (LAGRANGE RD)



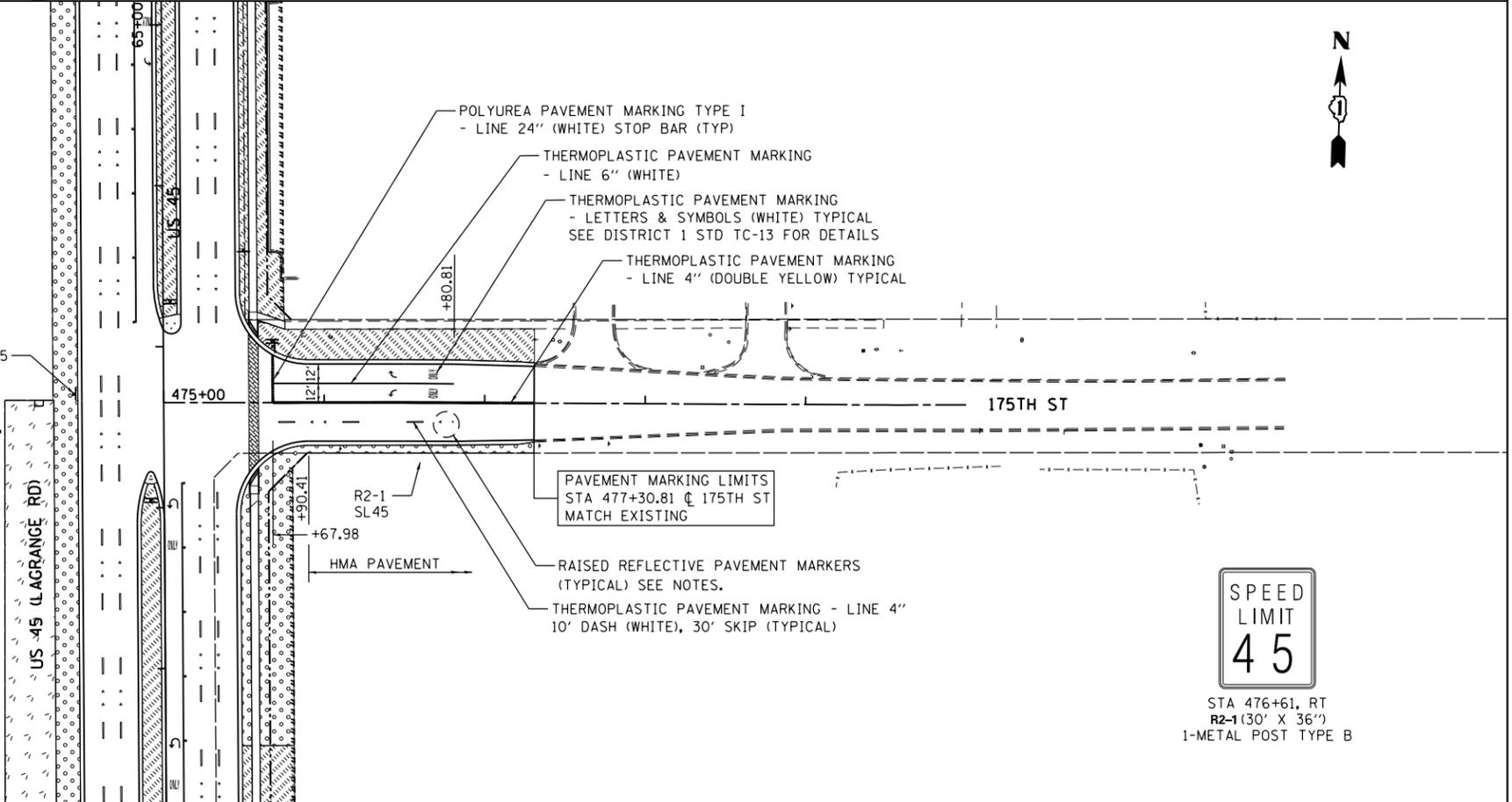
**LANDSCAPING NOTES:**

- PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
- MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
- WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
- WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
- WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
- SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4 TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4B (MOD) TOPSOIL, 6"/WEED CONTROL
- INTERSEEDING, CLASS 4
- SODDING, SALT TOLERANT TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL TOPSOIL 6" (EXCEPT MEDIAN)/WEED CONTROL
- EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH WETLAND OR PRAIRIE PLANT SIGN

W1-7, SEE US 45 PAVEMENT MARKING PLANS



100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME = D160F05-SHT-LNDSCP-PMK08.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -
		DRAWN - BFH	REVISED -
		CHECKED - MJT	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
175TH STREET AND 171ST STREET**

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

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 422
LA-08		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND**

-  SEEDING CLASS 2A
-  TOPSOIL, 6" WEED CONTROL
-  SEEDING CLASS 4
-  TOPSOIL, 6" WEED CONTROL
-  SEEDING CLASS 4B (MOD)
-  TOPSOIL, 6" WEED CONTROL
-  INTERSEEDING, CLASS 4
-  SODDING, SALT TOLERANT
-  TOPSOIL, 24" (MEDIAN ONLY) WEED CONTROL
-  TOPSOIL 6" (EXCEPT MEDIAN) WEED CONTROL
-  EROSION CONTROL BLANKET
-  SELECTIVE MOWING STAKE WITH WETLAND OR PRAIRIE PLANT SIGN

**LANDSCAPING NOTES:**

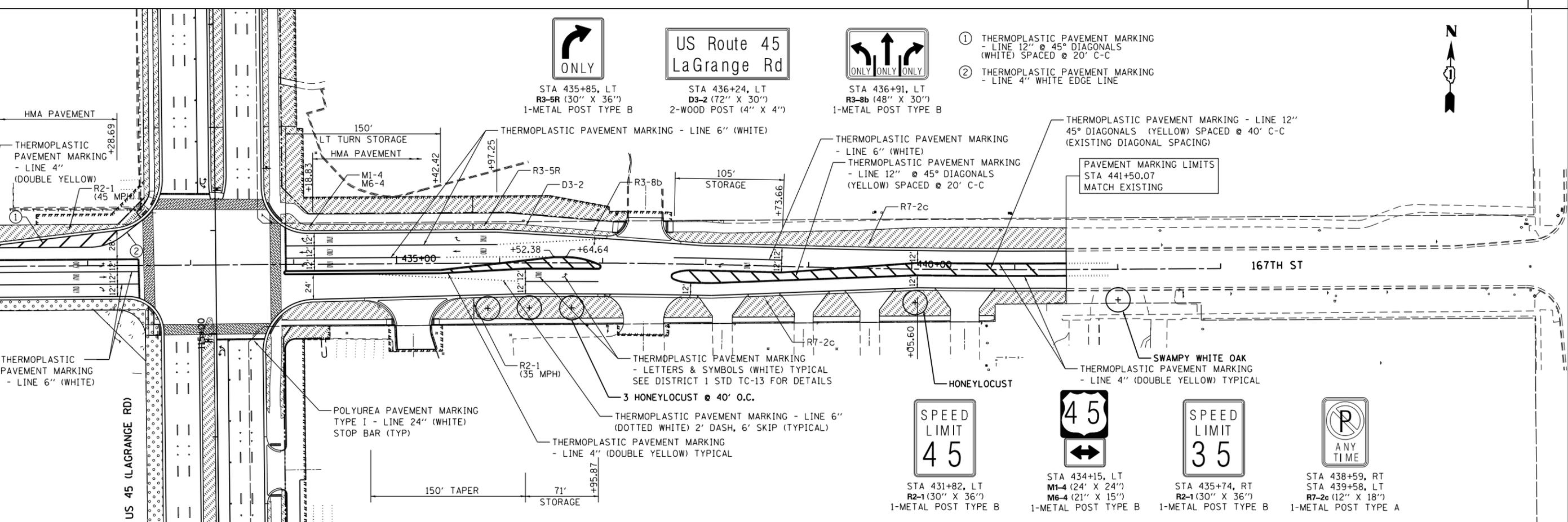
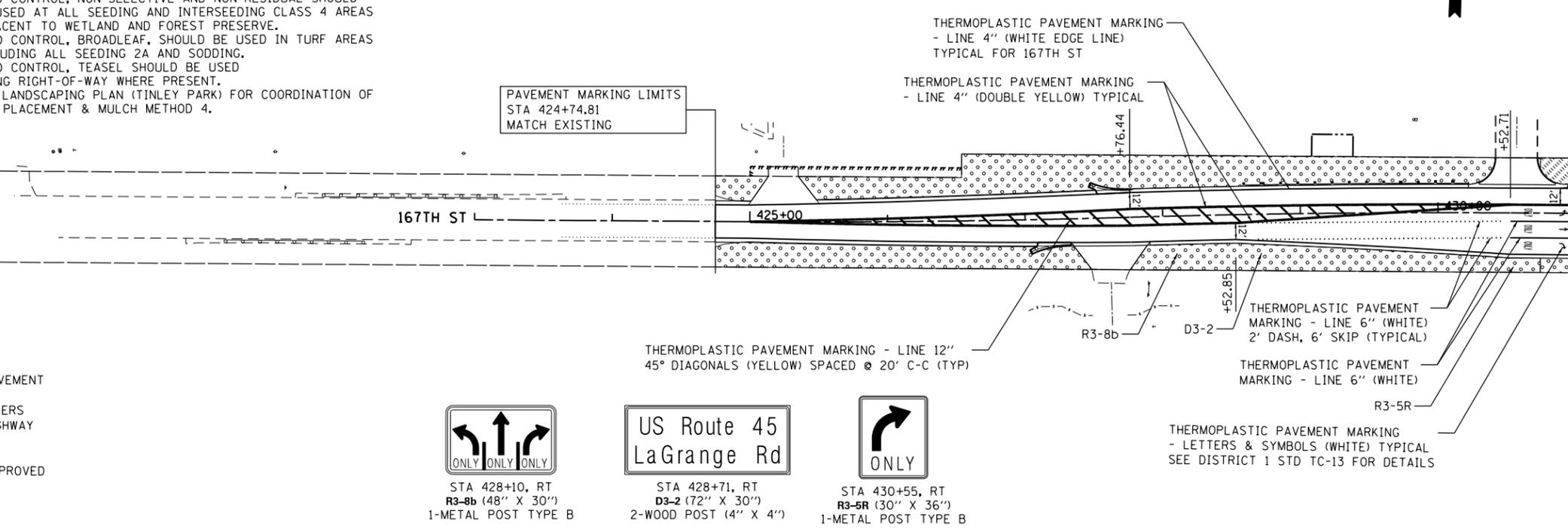
1. PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
2. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
3. WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
4. WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
5. WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
6. SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

**PAVEMENT MARKING NOTES:**

1. FOR PCC PAVEMENT: POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
2. FOR HOT-MIX ASPHALT PAVEMENT: THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
3. ALL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS ALONG 167TH ST SHALL BE IN ACCORDANCE WITH COOK COUNTY HIGHWAY DEPARTMENT (CCHD) STANDARDS. SEE DRAWING NOS. CCHD-02 AND CCHD-03
4. THE PAVEMENT MARKINGS & SIGNING EAST 167TH ST SHALL BE APPROVED AND MAINTAINED BY THE VILLAGE.

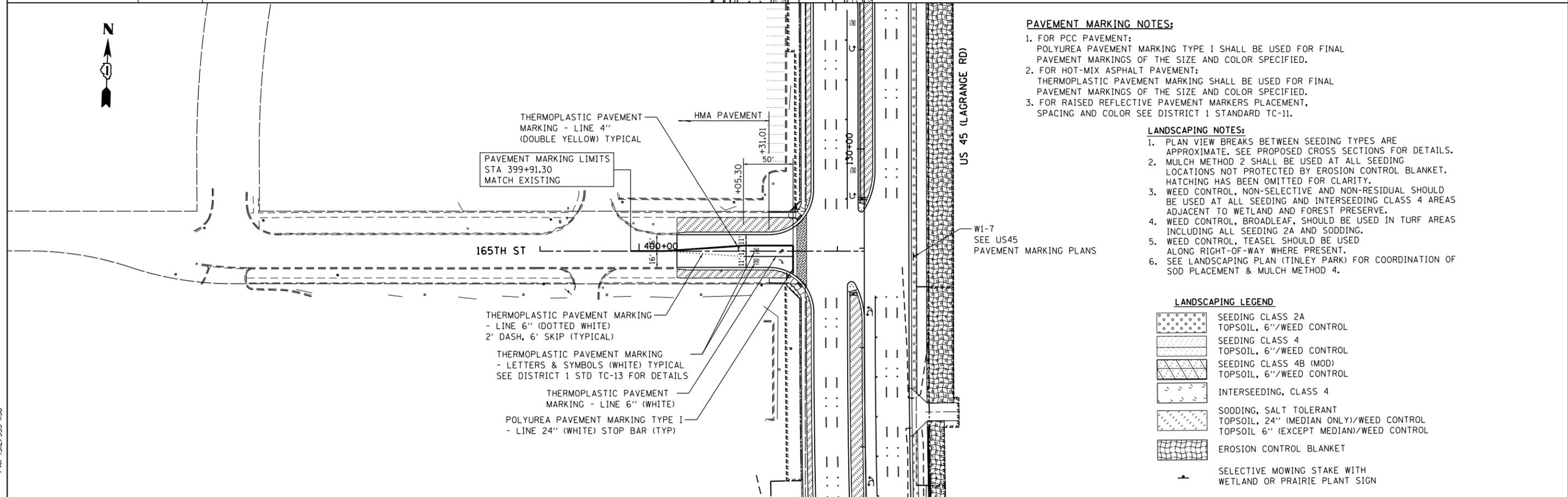
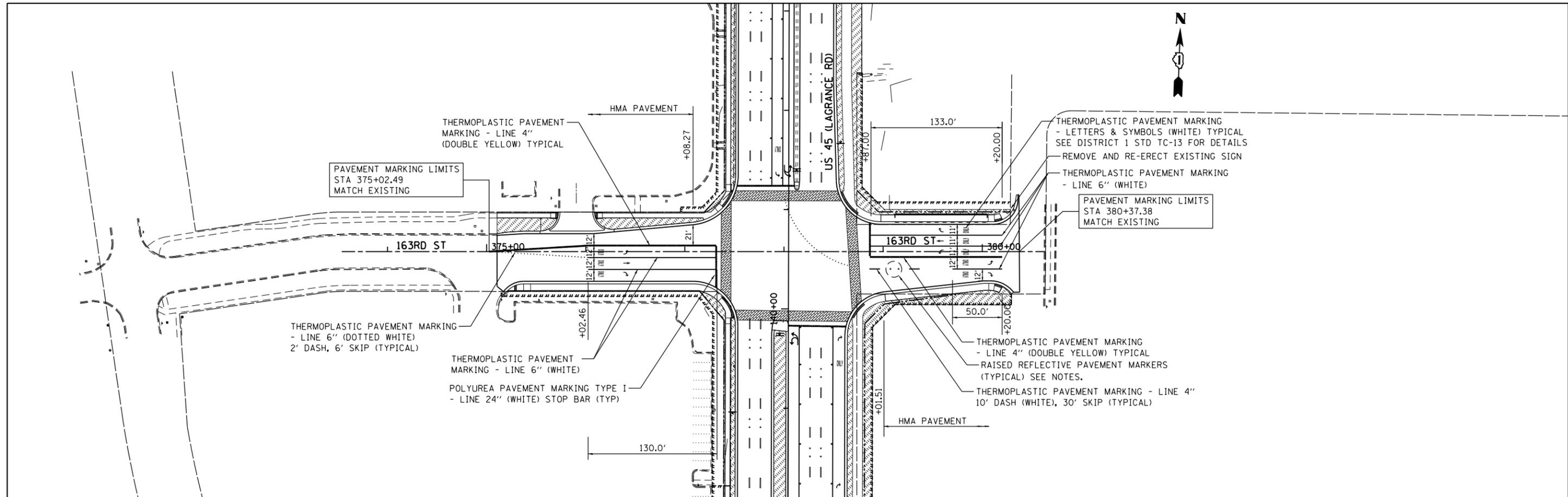


MATCH LINE STA. 431+00.00  
SEE BELOW



**URS**  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME = D160F05-SHT-LNDSKP-PMK09.dgn	USER NAME = Frank.Stallone	DESIGNED - BFH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN 167TH STREET</b>			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 423
PLOT SCALE = 100.000091' / in.	CHECKED - MJT	DATE - 03/13/13	REVISED -		SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>LA-09</b>		CONTRACT NO. 60F05	ILLINOIS FED. AID PROJECT	
SHT_DOUBLE PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -									



**PAVEMENT MARKING NOTES:**

- FOR PCC PAVEMENT:  
POLYUREA PAVEMENT MARKING TYPE I SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
- FOR HOT-MIX ASPHALT PAVEMENT:  
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR FINAL PAVEMENT MARKINGS OF THE SIZE AND COLOR SPECIFIED.
- FOR RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT, SPACING AND COLOR SEE DISTRICT 1 STANDARD TC-11.

**LANDSCAPING NOTES:**

- PLAN VIEW BREAKS BETWEEN SEEDING TYPES ARE APPROXIMATE. SEE PROPOSED CROSS SECTIONS FOR DETAILS.
- MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING HAS BEEN OMITTED FOR CLARITY.
- WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL SHOULD BE USED AT ALL SEEDING AND INTERSEEDING CLASS 4 AREAS ADJACENT TO WETLAND AND FOREST PRESERVE.
- WEED CONTROL, BROADLEAF, SHOULD BE USED IN TURF AREAS INCLUDING ALL SEEDING 2A AND SODDING.
- WEED CONTROL, TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
- SEE LANDSCAPING PLAN (TINLEY PARK) FOR COORDINATION OF SOD PLACEMENT & MULCH METHOD 4.

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A  
TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4  
TOPSOIL, 6"/WEED CONTROL
- SEEDING CLASS 4B (MOD)  
TOPSOIL, 6"/WEED CONTROL
- INTERSEEDING, CLASS 4
- SODDING, SALT TOLERANT  
TOPSOIL, 24" (MEDIAN ONLY)/WEED CONTROL
- EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH  
WETLAND OR PRAIRIE PLANT SIGN

W1-7  
SEE US45  
PAVEMENT MARKING PLANS

100 S. WACKER DR.  
 5TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

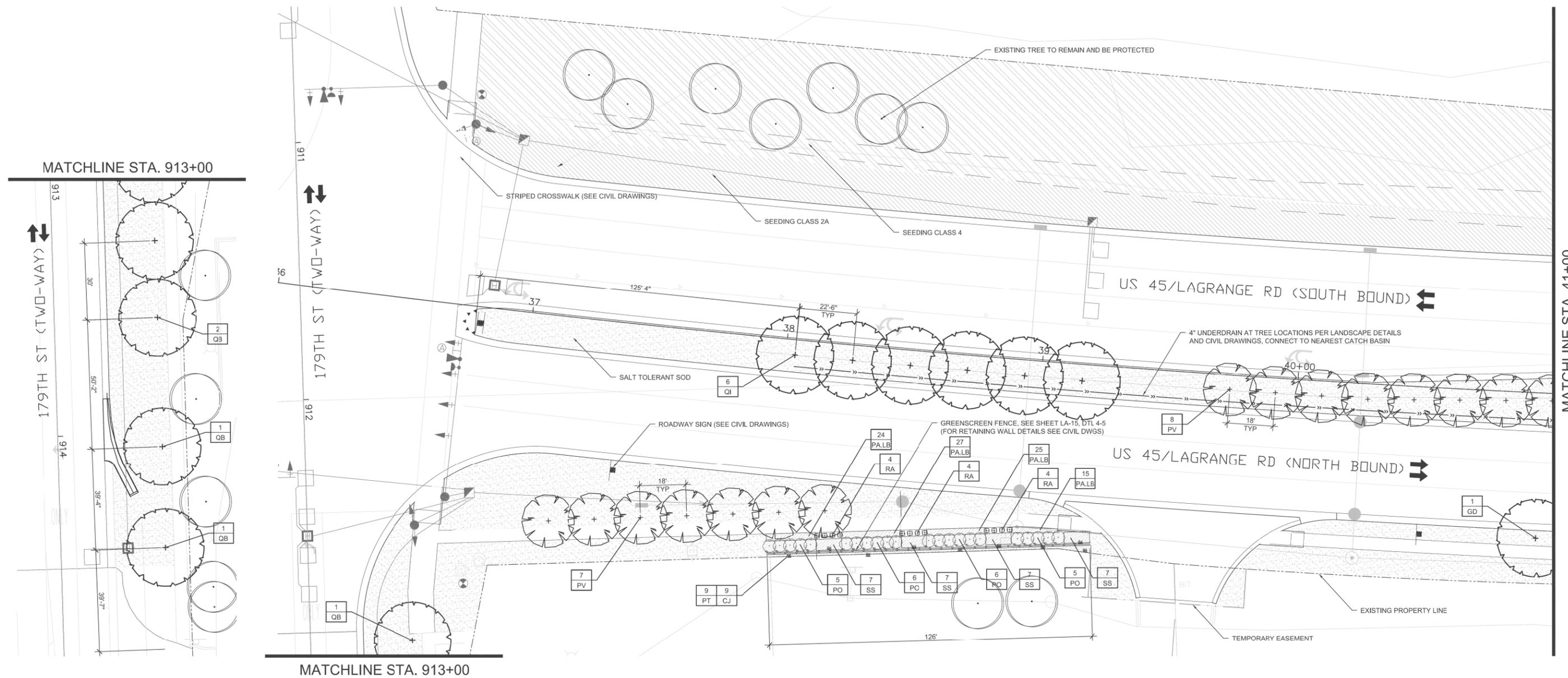
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	PLOT SCALE = 100.000091' / in.	CHECKED - MJT	REVISED -
	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING, PAVEMENT MARKING AND SIGNING PLAN  
165TH STREET AND 163RD STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	424
<b>LA-10</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 913+00

179TH ST (TWO-WAY)

179TH ST (TWO-WAY)

MATCHLINE STA. 913+00

1 LANDSCAPE PLAN  
1"=20'-0"



PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
GD	1	Gymnocladus dioica	Kentucky Coffee Tree	2.5" cal.	B&B	matching heads
QB	5	Quercus bicolor	Swamp White Oak	2.5" cal.	B&B	matching heads
QI	6	Quercus imbricaria	Shingle Oak	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
PV	15	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5" cal.	B&B	matching heads
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
RA	12	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
PO	22	Physocarpus opulifolius 'Monlo'	Diablo Ninebark	48"H	B&B	40" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
PALB	91	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	gal.	pot	18" o.c.
CJ	9	Clematis x 'Jackmanii'	Jackman Clematis	gal.	pot	per plan
PT	9	Parthenocissus tricuspidata	Boston Ivy	gal.	pot	per plan
SS	28	Schizachyrium scoparium	Little Bluestem	3 gal.	pot	30" o.c.

NOTES:

- ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
- ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO EXISTING SOD SHALL REMAIN IN NEW PLANTING AREAS.
- PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACING INDICATED.
- ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
- NO PLANTING SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB.
- MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING MAY HAVE BEEN OMITTED FOR CLARITY.
- WEED CONTROL. NON-SELECTIVE AND NON-RESIDUAL (WETLAND SHOULD BE USED AT ALL INTERSEEDING CLASS 4 AREAS.)
- INTERSEEDING. CLASS 4 SHOULD BE USED WITHIN THE LIMITS OF SELECTIVE CLEARING.
- FOR LANDSCAPE PLANTING DETAILS, SEE SHEETS LA-11 & LA-12.
- FOR PLANT SCHEDULE, SEE SHEET LA-13.
- FOR PROPOSED LANDSCAPE WALL DETAILS, SEE SHEET LA-14.
- COORDINATE ALL LANDSCAPE PLANTINGS WITH NEW AND EXISTING UTILITY LINES AND STRUCTURES.
- CONNECT ALL UNDERDRAINS TO NEAREST DRAINAGE STRUCTURE. COORDINATE WITH EOR/AOR.
- ALL NEW SHADE TREES SHALL BE 15'-0" MIN. AWAY FROM OVERHEAD UTILITY LINES AND STRUCTURES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND SURVEY WITH PROPOSED PLANES. COORDINATE ANY DISCREPANCIES WITH EOR/AOR.

LEGEND:

- EXISTING PROPERTY LINE
- - - TEMPORARY EASEMENT
- LANDSCAPE WALL
- GREEN SCREEN FENCE
- 4" UNDERDRAIN
- EXISTING LANDSCAPE TO REMAIN AND BE PROTECTED. COORDINATE WITH LANDSCAPE ARCHITECT
- PERENNIALS/ORNAMENTAL GRASS TOPSOIL 12"
- SALT TOLERANT SOD TOPSOIL 6"
- SEEDING CLASS 2A TOPSOIL 6"
- SEEDING CLASS 4 TOPSOIL 6"
- WETLAND SITE
- SHADE TREE TOPSOIL 36"
- ORNAMENTAL TREE TOPSOIL 36"
- SHRUBS + VINES TOPSOIL 24"
- EXISTING TREE TO REMAIN AND BE PROTECTED

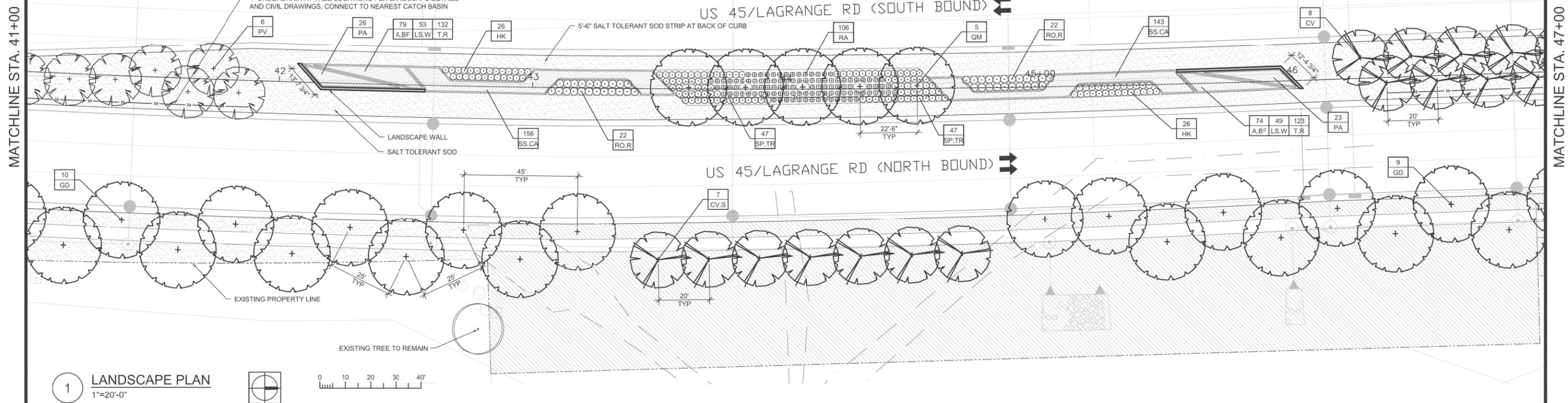
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		DRAWN = JR	REVISED =
		CHECKED = BM	REVISED =
		DATE = 03/13/13	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN US 45 (LAGRANGE ROAD)		F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 425
SCALE: AS SHOWN	SHEET NO. 1 OF 15 SHEETS	STA. BEGIN	TO STA. 41+00.00	CONTRACT NO. 60F05		

ILLINOIS FED. AID PROJECT	
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WETLAND SITE 16, ISOLATED  
LANDSCAPE TO CONFORM TO  
DESCRIPTION AS DOCUMENTED  
IN THE 404 PERMIT



1 LANDSCAPE PLAN  
1"=20'-0"

PLANT SCHEDULE						
<b>SHADE TREES</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
GD	19	Gymnocladus dioica	Kentucky Coffee Tree	2.5" cal.	B&B	matching heads
QM	5	Quercus muehlenbergii	Chinkapin Oak	2.5" cal.	B&B	matching heads
<b>ORNAMENTAL TREES</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CV	8	Crataegus viridis 'Winter King'	Winter King Hawthorn	8"H	B&B	multi-stem
CV.S	7	Crataegus viridis 'Winter King'	Winter King Hawthorn	2.5" cal.	B&B	matching heads
PV	6	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5" cal.	B&B	matching heads
<b>SHRUBS</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
HK	52	Hypericum kalmianum 'Ames'	St. Johnswort	18"H	pot	30" o.c.
RA	106	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
RO.R	44	Rosa 'Radrazz'	Knock Out Red Rose	3 gal.	pot	36" o.c.
SP.TR	94	Spiraea 'Tor'	Birchleaf Tor Spirea	24"H	pot	30" o.c.
<b>PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
A.B.F	153	Agastache 'Blue Fortune'	Blue Fortune Agastache	gal.	pot	15" o.c.
LS.W	102	Liatris spicata 'White'	White Blazing Star	gal.	pot	15" o.c.
PA	49	Pennisetum alopecuroides	Fountain Grass	gal.	pot	30" o.c.
SS.CA	299	Schizachyrium scoparium 'Carousel'	Carousel Little Bluestem	3 gal.	pot	24" o.c.
T.R	255	Red Impression Tulip/Darwin Hybrid	Red Impression Tulip	12+ cm	bulb	15" interplanted

- NOTES:**
- ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
  - ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO EXISTING SOD SHALL REMAIN IN NEW PLANTING AREAS.
  - PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACING INDICATED.
  - ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
  - NO PLANTING SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB.
  - MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING MAY HAVE BEEN OMITTED FOR CLARITY.
  - WEED CONTROL NON-SELECTIVE AND NON-RESIDUAL (WETLAND SHOULD BE USED AT ALL INTERSEEDING CLASS 4 AREAS.)

- INTERSEEDING. CLASS 4 SHOULD BE USED WITHIN THE LIMITS OF SELECTIVE CLEARING.
- FOR LANDSCAPE PLANTING DETAILS, SEE SHEETS LA-11 & LA-12.
- FOR PROPOSED LANDSCAPE WALL DETAILS, SEE SHEET LA-14.
- COORDINATE ALL LANDSCAPE PLANTINGS WITH NEW AND EXISTING UTILITY LINES AND STRUCTURES.
- CONNECT ALL UNDERDRAINS TO NEAREST DRAINAGE STRUCTURE. COORDINATE WITH EOR/AOR.
- ALL NEW SHADE TREES SHALL BE 15'-0" MIN. AWAY FROM OVERHEAD UTILITY LINES AND STRUCTURES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND SURVEY WITH PROPOSED PLANES. COORDINATE ANY DISCREPANCIES WITH EOR/AOR.

**LEGEND:**

- EXISTING PROPERTY LINE
- - - TEMPORARY EASEMENT
- SHADE TREE TOPSOIL 36"
- ORNAMENTAL TREE TOPSOIL 36"
- SHRUBS + VINES TOPSOIL 24"
- EXISTING TREE TO REMAIN AND BE PROTECTED
- ▬ LANDSCAPE WALL
- GREEN SCREEN FENCE
- 4" UNDERDRAIN
- ▨ EXISTING LANDSCAPE TO REMAIN AND BE PROTECTED. COORDINATE WITH LANDSCAPE ARCHITECT
- ▨ PERENNIALS/ORNAMENTAL GRASS TOPSOIL 12"
- ▨ SALT TOLERANT SOD TOPSOIL 6"
- ▨ SEEDING CLASS 2A TOPSOIL 6"
- ▨ SEEDING CLASS 4 TOPSOIL 6"
- ▨ WETLAND SITE

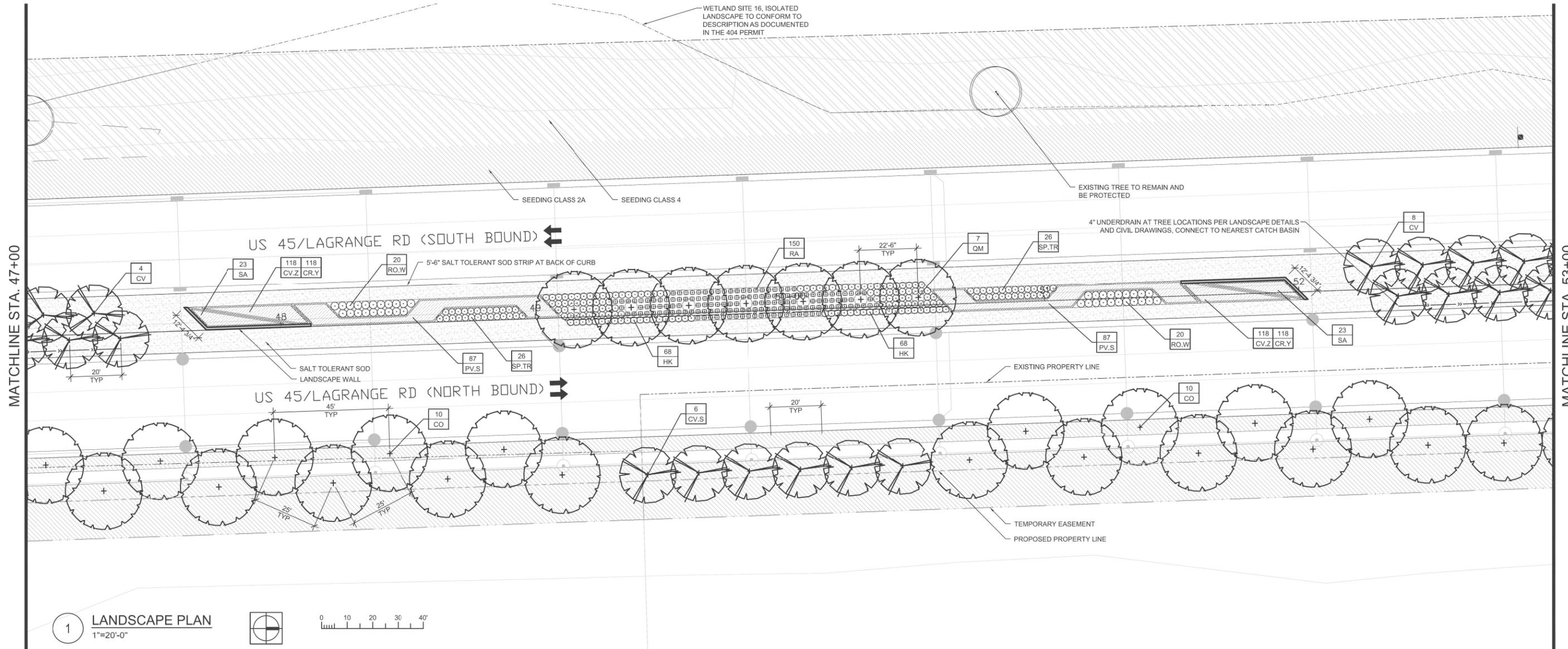
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		CHECKED = BM	REVISED =
		DATE = 03/13/13	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: AS SHOWN SHEET NO. 2 OF 15 SHEETS STA. 41+00.00 TO STA. 47+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	426
LA-02			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



1 LANDSCAPE PLAN  
1"=20'-0"

PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CO	20	<i>Celtis occidentalis</i>	Northern Hackberry	2.5" cal.	B&B	matching heads
QM	7	<i>Quercus muehlenbergii</i>	Chinkapin Oak	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CV	12	<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn	8'H	B&B	multi-stem
CV.S	6	<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn	2.5" cal.	B&B	matching heads
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
HK	136	<i>Hypericum kalmianum</i> 'Ames'	St. Johnswort	18"H	pot	30" o.c.
RA	150	<i>Rhus aromatica</i> 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
RO.W	40	<i>Rosa JACruwhi</i> 'Wild Spice'	Wild Spice White Rose	3 gal.	pot	36" o.c.
SP.TR	52	<i>Spiraea Tor</i>	Birchleaf Tor Spiraea	24"H	pot	30" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CR.Y	236	<i>Crocus</i> 'Yellow'	Yellow Crocus	8 cm.	pot	15" interplanted
CV.Z	236	<i>Coreopsis verticillata</i> 'Zagreb'	Zagreb Coreopsis	gal.	pot	15" o.c.
PV.S	174	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switch Grass	3 gal.	pot	30" o.c.
SA	46	<i>Sesleria autumnalis</i>	Autumn Moor Grass	3 gal.	pot	30" o.c.

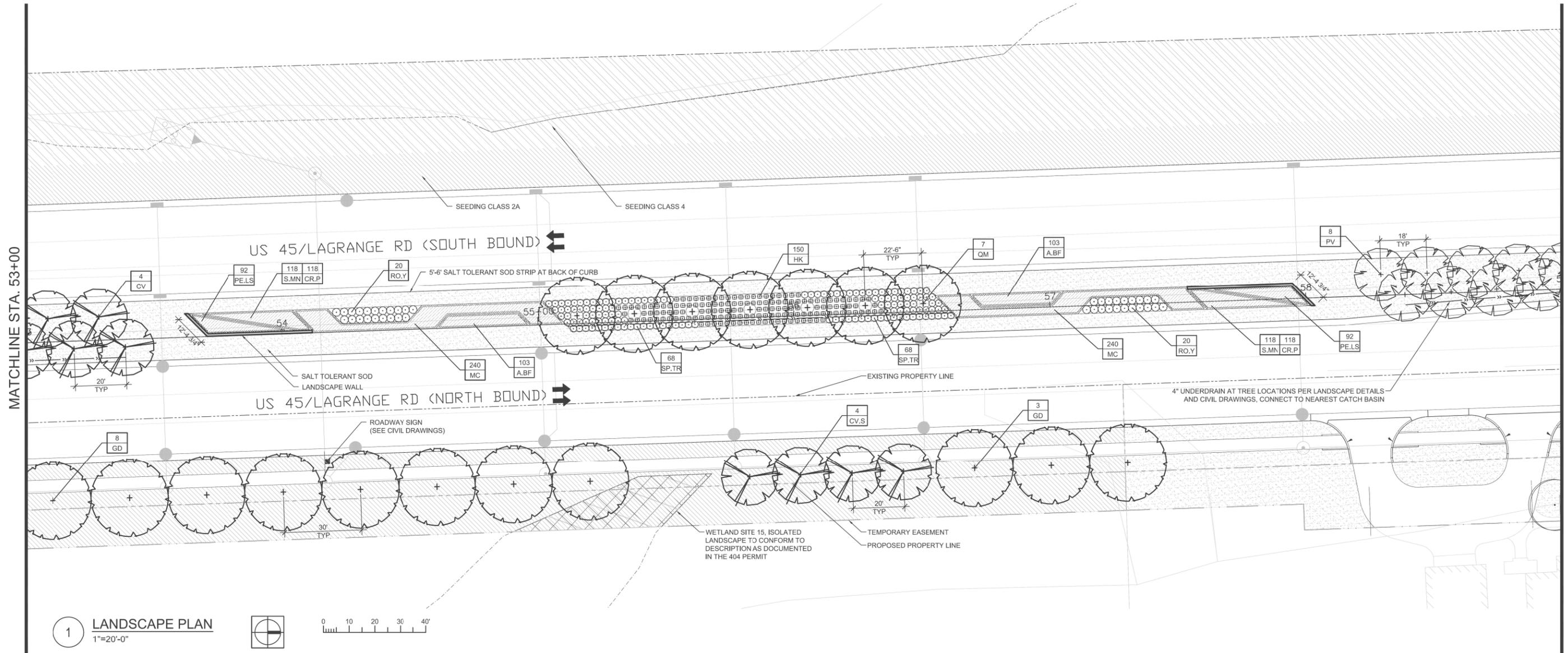
- NOTES:**
- ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
  - ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO EXISTING SOD SHALL REMAIN IN NEW PLANTING AREAS.
  - PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACING INDICATED.
  - ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
  - NO PLANTING SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB.
  - MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING MAY HAVE BEEN OMITTED FOR CLARITY.
  - WEED CONTROL NON-SELECTIVE AND NON-RESIDUAL (WETLAND SHOULD BE USED AT ALL INTERSEEDING CLASS 4 AREAS.)

- INTERSEEDING. CLASS 4 SHOULD BE USED WITHIN THE LIMITS OF SELECTIVE CLEARING.
- FOR LANDSCAPE PLANTING DETAILS, SEE SHEETS LA-11 & LA-12.
- FOR PROPOSED LANDSCAPE WALL DETAILS, SEE SHEET LA-14.
- FOR ADDITIONAL PLANTING NOTES, SEE SHEET LA-12.
- COORDINATE ALL LANDSCAPE PLANTINGS WITH NEW AND EXISTING UTILITY LINES AND STRUCTURES.
- CONNECT ALL UNDERDRAINS TO NEAREST DRAINAGE STRUCTURE. COORDINATE WITH EOR/AOR.
- ALL NEW SHADE TREES SHALL BE 15'-0" MIN. AWAY FROM OVERHEAD UTILITY LINES AND STRUCTURES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND SURVEY WITH PROPOSED PLANES. COORDINATE ANY DISCREPANCIES WITH EOR/AOR.

**LEGEND:**

- EXISTING PROPERTY LINE
- - - - - TEMPORARY EASEMENT
- LANDSCAPE WALL
- GREEN SCREEN FENCE
- 4" UNDERDRAIN
- EXISTING LANDSCAPE TO REMAIN AND BE PROTECTED. COORDINATE WITH LANDSCAPE ARCHITECT
- PERENNIALS/ORNAMENTAL GRASS TOPSOIL 12"
- SALT TOLERANT SOD TOPSOIL 6"
- SEEDING CLASS 2A TOPSOIL 6"
- SEEDING CLASS 4 TOPSOIL 6"
- WETLAND SITE
- SHADE TREE TOPSOIL 36"
- ORNAMENTAL TREE TOPSOIL 36"
- SHRUBS + VINES TOPSOIL 24"
- EXISTING TREE TO REMAIN AND BE PROTECTED

FILE NAME = 7102_land.dwg	USER NAME = jrossman	DESIGNED = AB	REVISED =	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPING PLAN US 45 (LAGRANGE ROAD)</b>		F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 427	
PLOT SCALE = AS SHOWN		CHECKED = BM	REVISED =		SCALE: AS SHOWN	SHEET NO. 3 OF 15 SHEETS	STA. 47+00.00 TO STA. 53+00.00	<b>LA-03</b>		CONTRACT NO. 60F05		
PLOT DATE = 2/4/2013		DATE = 03/13/13	REVISED =		ILLINOIS FED. AID PROJECT							



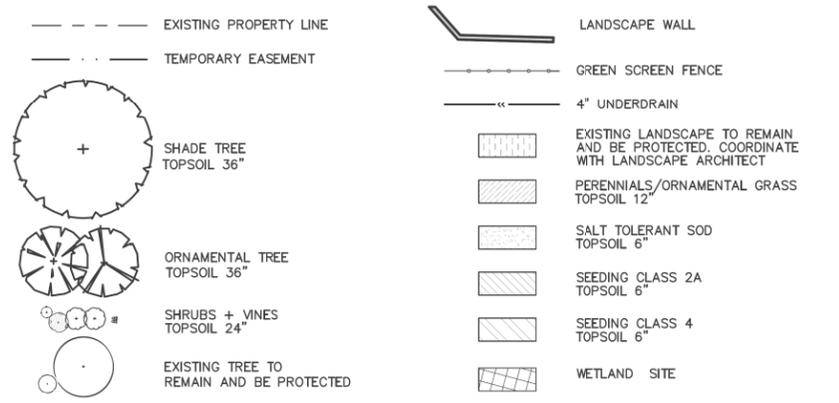
1 LANDSCAPE PLAN  
1"=20'-0"

PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
GD	11	Gymnocladus dioica	Kentucky Coffee Tree	2.5" cal.	B&B	matching heads
QM	7	Quercus muehlenbergii	Chinkapin Oak	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CV	4	Crataegus virdis 'Winter King'	Winter King Hawthorn	8"H	B&B	multi-stem
CV.S	4	Crataegus virdis 'Winter King'	Winter King Hawthorn	2.5" cal.	B&B	matching heads
PV	8	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5" cal.	B&B	matching heads
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
HK	150	Hypericum kalmianum 'Ames'	St. Johnswort	18"H	pot	30" o.c.
RO.Y	40	Rosa 'Baline	Easy Elegance Yellow Submarine Rose	3 gal.	pot	36" o.c.
SP.TR	136	Spirea 'Tor'	Birchleaf Tor Spirea	24"H	pot	30" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
A.B.F.	206	Agastache 'Blue Fortune'	Blue Fortune Agastache	gal.	pot	15" o.c.
CR.P	236	Crocus 'Purple'	Purple Crocus	8 cm.	pot	15" intersplanted
MC	480	Molinia caerulea 'Moorflamme'	Moorflamme Purple Moore Grass	gal.	pot	18" o.c.
P.E.L.S.	184	Perovskia atriplicifolia 'Little Spire'	Little Spire Russian Sage	gal.	pot	15" o.c.
S.MN	236	Salvia 'May Night'	May Night Salvia	gal.	pot	15" o.c.

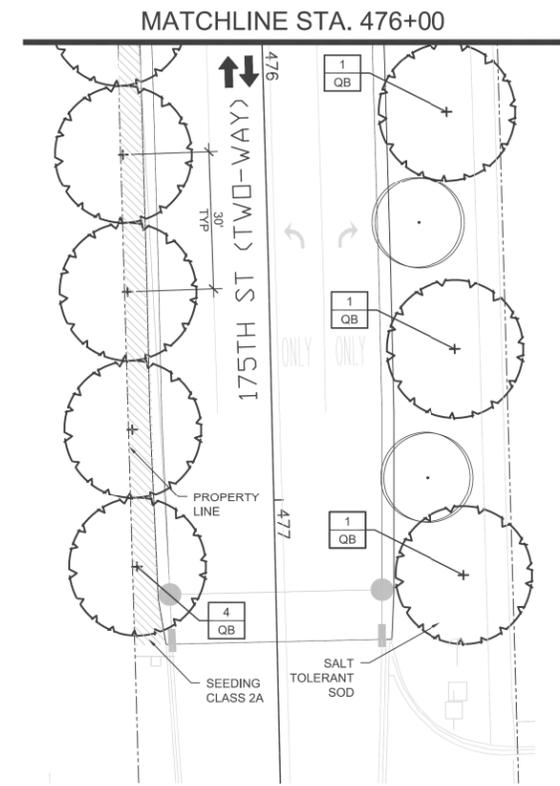
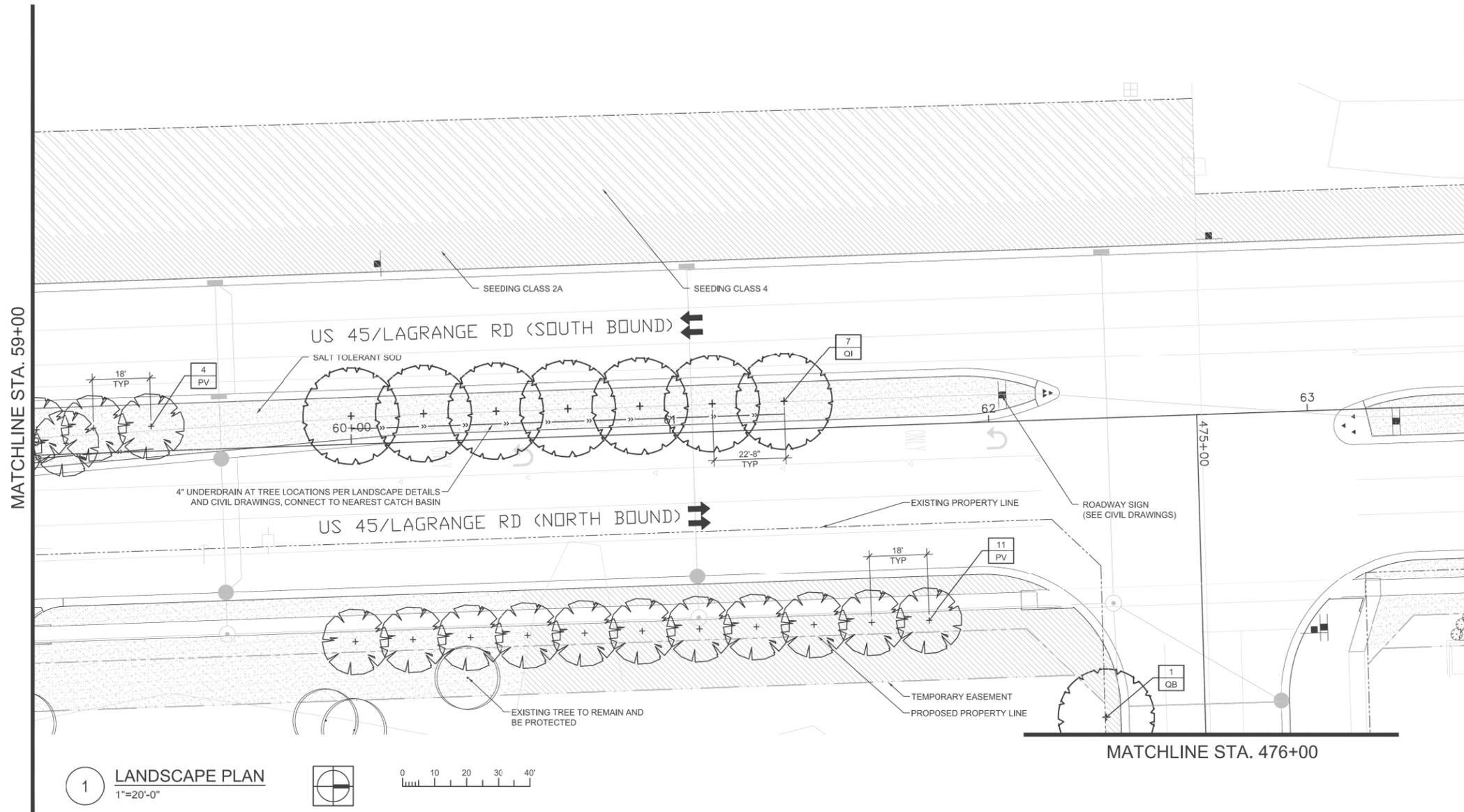
NOTES:

- ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
- ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO EXISTING SOD SHALL REMAIN IN NEW PLANTING AREAS.
- PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACING INDICATED.
- ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
- NO PLANTING SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB.
- MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING MAY HAVE BEEN OMITTED FOR CLARITY.
- WEED CONTROL NON-SELECTIVE AND NON-RESIDUAL (WETLAND SHOULD BE USED AT ALL INTERSEEDING CLASS 4 AREAS.)
- INTERSEEDING. CLASS 4 SHOULD BE USED WITHIN THE LIMITS OF SELECTIVE CLEARING.
- FOR LANDSCAPE PLANTING DETAILS, SEE SHEETS LA-11 & LA-12.
- FOR PLANT SCHEDULE, SEE SHEET LA-13.
- FOR PROPOSED LANDSCAPE WALL DETAILS, SEE SHEET LA-14.
- FOR ADDITIONAL PLANTING NOTES, SEE SHEET LA-12.
- COORDINATE ALL LANDSCAPE PLANTINGS WITH NEW AND EXISTING UTILITY LINES AND STRUCTURES.
- CONNECT ALL UNDERDRAINS TO NEAREST DRAINAGE STRUCTURE. COORDINATE WITH EOR/AOR.
- ALL NEW SHADE TREES SHALL BE 15'-0" MIN. AWAY FROM OVERHEAD UTILITY LINES AND STRUCTURES.
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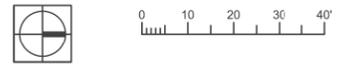
LEGEND:



FILE NAME = 7102_land.dwg	USER NAME = j.grossman	DESIGNED = AB	REVISED =	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPING PLAN US 45 (LAGRANGE ROAD)</b>		F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 428	
PLOT SCALE = AS SHOWN		CHECKED = BM	REVISED =		SCALE: AS SHOWN	SHEET NO. 4 OF 15 SHEETS	STA. 53+00.00 TO STA. 59+00.00	<b>LA-04</b>		CONTRACT NO. 60F05		
PLOT DATE = 2/4/2013		DATE = 03/13/13	REVISED =		ILLINOIS FED. AID PROJECT							



1 LANDSCAPE PLAN  
1"=20'-0"



**NOTES:**

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**LEGEND:**

- EXISTING PROPERTY LINE
- TEMPORARY EASEMENT
- SHADE TREE TOPSOIL 36"
- ORNAMENTAL TREE TOPSOIL 36"
- SHRUBS + VINES TOPSOIL 24"
- EXISTING TREE TO REMAIN AND BE PROTECTED
- LANDSCAPE WALL
- GREEN SCREEN FENCE
- 4" UNDERDRAIN
- EXISTING LANDSCAPE TO REMAIN AND BE PROTECTED. COORDINATE WITH LANDSCAPE ARCHITECT
- PERENNIALS/ORNAMENTAL GRASS TOPSOIL 12"
- SALT TOLERANT SOD TOPSOIL 6"
- SEEDING CLASS 2A TOPSOIL 6"
- SEEDING CLASS 4 TOPSOIL 6"
- WETLAND SITE

PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
QB	8	Quercus bicolor	Swamp White Oak	2.5" cal.	B&B	matching heads
QI	7	Quercus imbricaria	Shingle Oak	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
PV	15	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5" cal.	B&B	matching heads

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		DRAWN = JR	REVISED =
	PLOT SCALE = AS SHOWN	CHECKED = BM	REVISED =
	PLOT DATE = 2/4/2013	DATE = 03/13/13	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

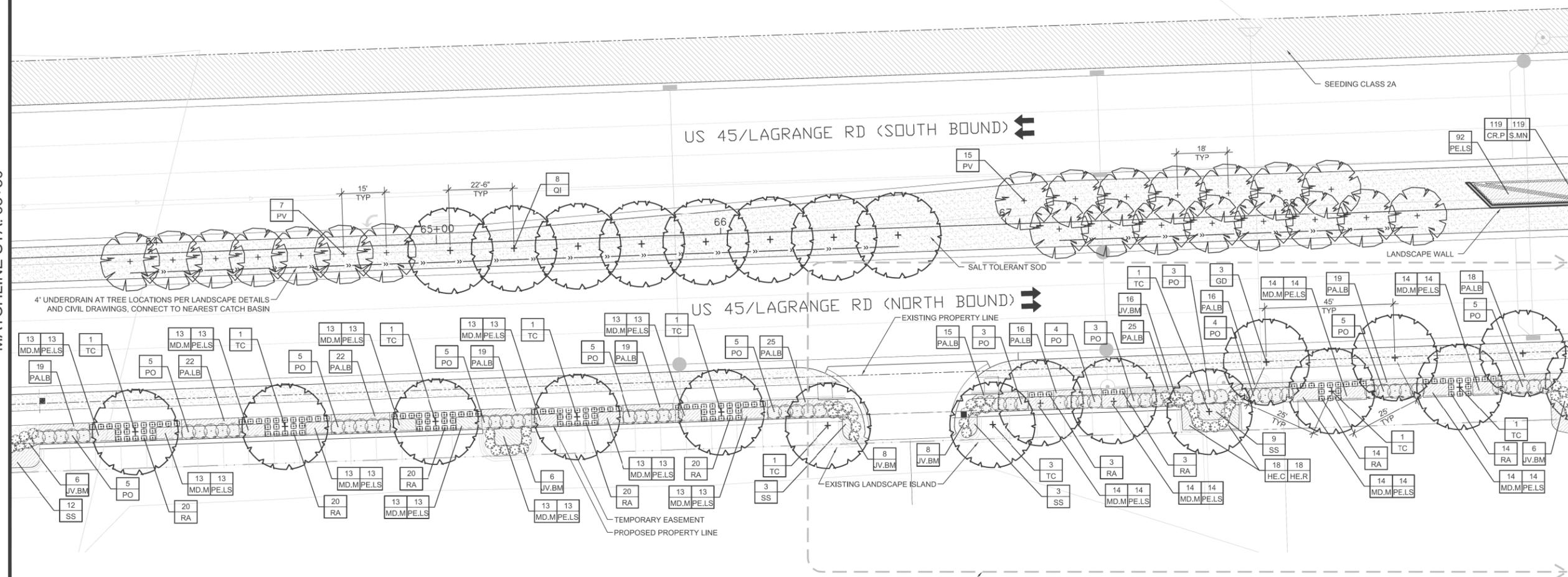
LANDSCAPING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: AS SHOWN SHEET NO. 5 OF 15 SHEETS STA. 59+00.00 TO STA. 63+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 429
LA-05		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 63+50

MATCHLINE STA. 69+00



1 LANDSCAPE PLAN  
1"=20'-0"

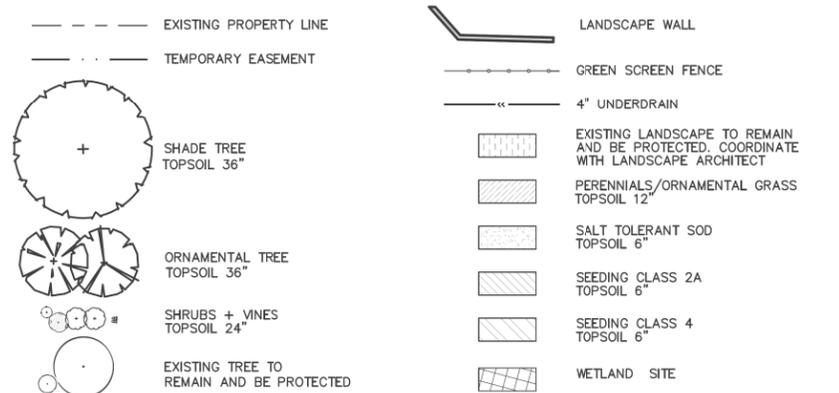
CONTRACTOR TO OBTAIN UPDATED SURVEY FOR AREA AND COORDINATE CHANGES BETWEEN AOR & EOR AND ALL UTILITIES

PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
GD	3	Gymnocladus dioica	Kentucky Coffee Tree	2.5" cal.	B&B	matching heads
QI	8	Quercus imbricaria	Shingle Oak	2.5" cal.	B&B	matching heads
TC	12	Tilia cordata	Little Leaf Linden	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
PV	22	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5" cal.	B&B	matching heads
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
JV.BM	50	Juniper virginiana 'Blue Mountain'	Blue Mountain Juniper	5 gal.	pot	42" o.c.
PO	57	Physocarpus opulifolius 'Monto'	Diablo Ninebark	36"H	B&B	40" o.c.
RA	134	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CR.P	119	Crocus 'Purple'	Purple Crocus	8 cm.	pot	15" interplanted
HE.C	18	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	gal.	pot	15" o.c.
HE.R	18	Hemerocallis 'Rosy Returns'	Rosy Returns Pink Daylily	gal.	pot	15" o.c.
MD.M	227	Mondardia didyma 'Marshall's Delight'	Marshall's Delight Monarda	gal.	pot	15" o.c.
PALB	235	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	gal.	pot	18" o.c.
PELS	319	Paroskia atriplicifolia 'Little Spire'	Little Spire Russian Sage	gal.	pot	15" o.c.
S.MN	119	Salvia 'May Night'	May Night Salvia	gal.	pot	15" o.c.
SS	27	Schizachyrium scoparium	Little Bluestem	3 gal.	pot	30" o.c.

NOTES:

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LEGEND:



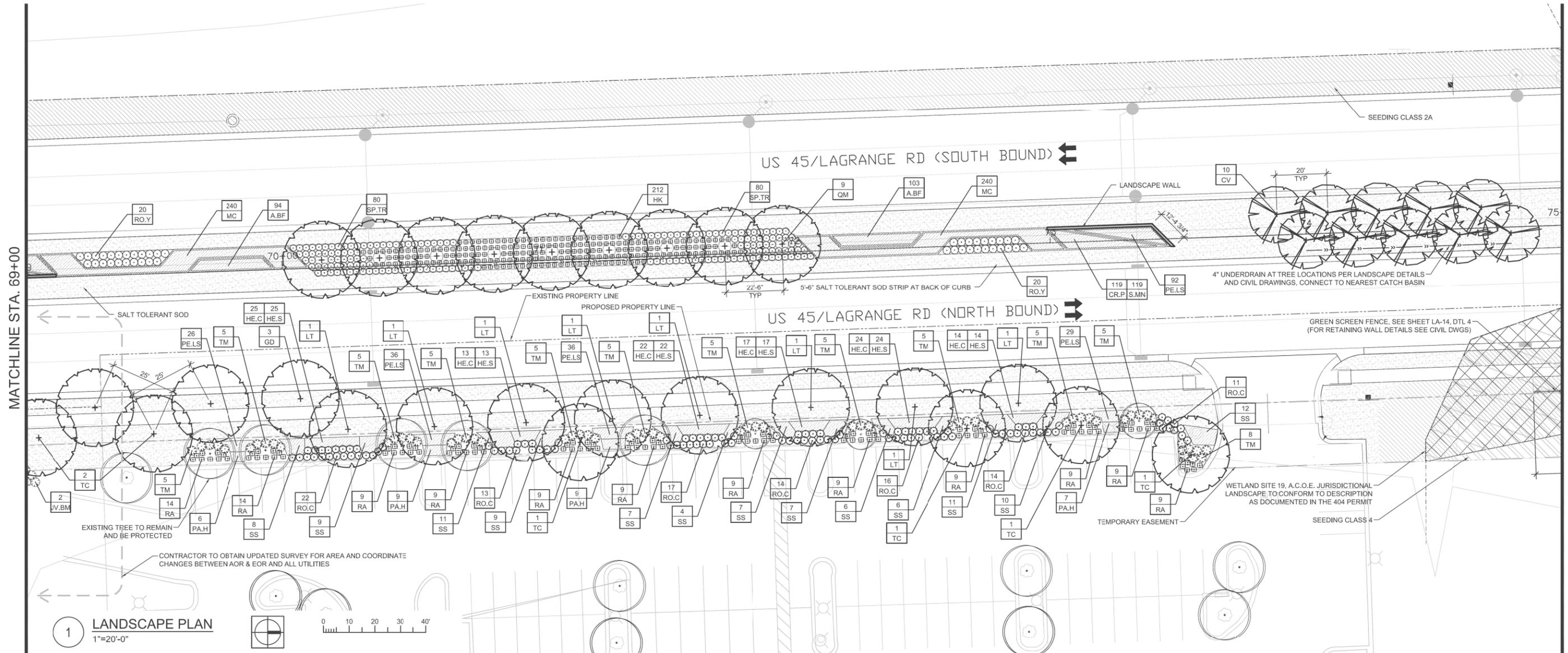
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: AS SHOWN SHEET NO. 6 OF 15 SHEETS STA. 63+50.00 TO STA. 69+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 430
LA-06			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



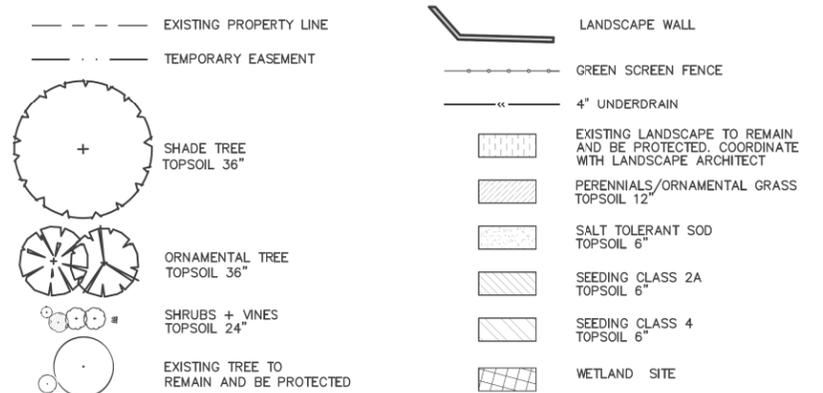
1 LANDSCAPE PLAN  
1"=20'-0"

PLANT SCHEDULE						
<b>SHADE TREES</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
GD	3	Gymnocladus dioica	Kentucky Coffee Tree	2.5" cal.	B&B	matching heads
LT	8	Liliodendron tulipifera	Tulip Tree	2.5" cal.	B&B	matching heads
QM	9	Quercus muehlenbergii	Chinkapin Oak	2.5" cal.	B&B	matching heads
TC	6	Tilia cordata	Little Leaf Linden	2.5" cal.	B&B	matching heads
<b>ORNAMENTAL TREES</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CV	10	Crataegus virdis 'Winter King'	Winter King Hawthorn	8'H	B&B	multi-stem
<b>SHRUBS</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
HK	212	Hypericum kalmianum 'Ames'	St. Johnswort	18"H	pot	30" o.c.
JV.BM	2	Juniper virginiana 'Blue Mountain'	Blut Mountain Juniper	5 gal.	pot	42" o.c.
RA	118	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
RO.C	107	Rosa x 'Noelesa' P.P.# 13869	Flower Carpet Yellow Rose	3 gal.	pot	30" o.c.
RO.Y	40	Rosa Baline	Easy Elegance Yellow Submarine Rose	3 gal.	pot	36" o.c.
SP.TR	160	Spiraea 'Tor'	Birchleaf Tor Spiraea	24"H	pot	30" o.c.
TM	63	Taxus x media 'Densiformis'	Dense Spreading Yew	3"W	B&B	30" o.c.
<b>PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER</b>						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
A.BF	197	Agastache 'Blue Fortune'	Blue Fortune Agastache	gal.	pot	15" o.c.
CR.P	119	Crocus 'Purple'	Purple Crocus	8 cm.	pot	15" interplanted
HE.C	115	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	gal.	pot	15" o.c.
HE.S	115	Hemerocallis 'Stella d'Oro'	Stella d'Oro Yellow Daylily	gal.	pot	15" o.c.
MC	480	Molinia caerulea 'Moorflamme'	Moorflamme Purple Moore Grass	gal.	pot	18" o.c.
PA.H	31	Pennisetum alopecuroides 'Hamlin'	Hamlin Dwarf Fountain Grass	gal.	pot	15" o.c.
PE.LS	219	Perovskia atriplicifolia 'Little Spire'	Little Spire Russian Sage	gal.	pot	15" o.c.
S.MN	119	Salvia 'May Night'	May Night Salvia	gal.	pot	15" o.c.
SS	107	Schizachyrium scoparium	Little Bluestem	3 gal.	pot	30" o.c.

**NOTES:**

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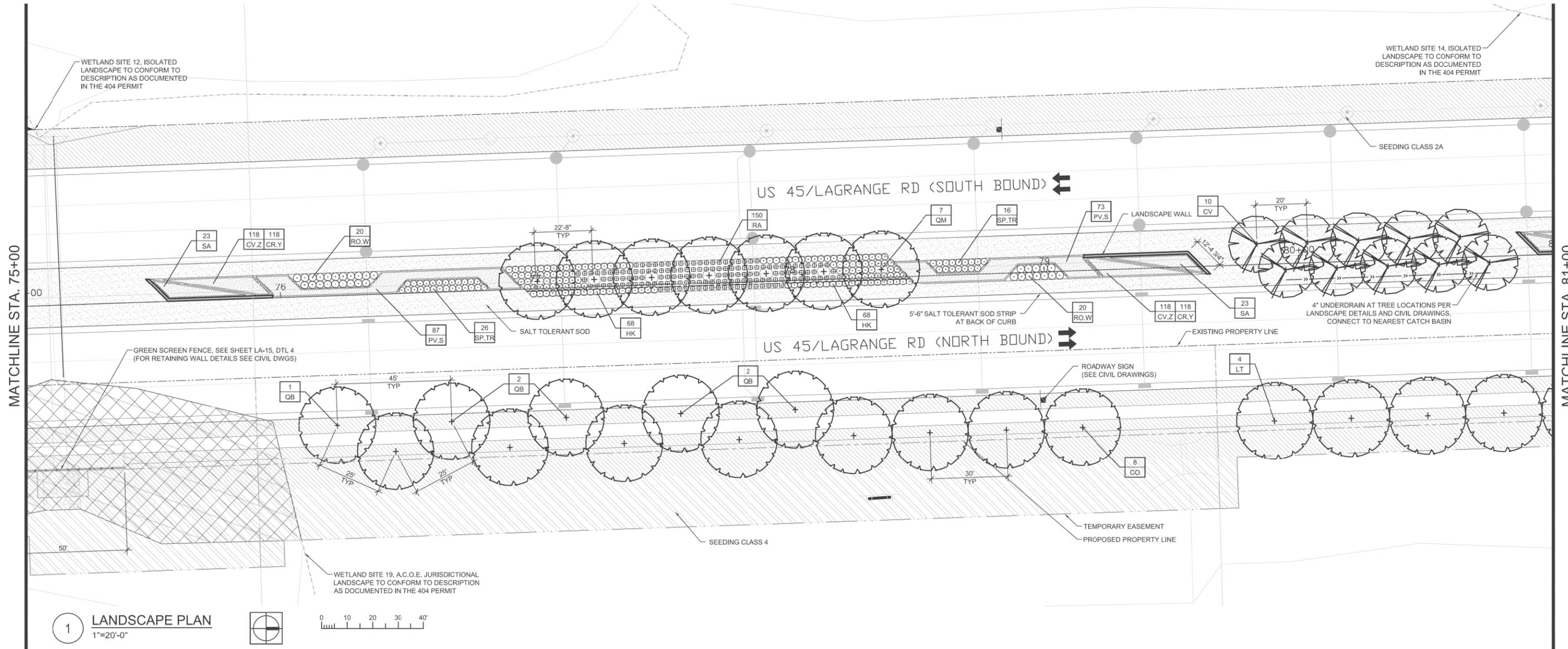
**LEGEND:**



FILE NAME = 7102_land.dwg	USER NAME = jrossman	DESIGNED = AB	REVISED =
		DRAWN = JR	REVISED =
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		DATE = 03/13/13	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING PLAN US 45 (LAGRANGE ROAD)</b>		F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 431
SCALE: AS SHOWN		SHEET NO. 7 OF 15 SHEETS		STA. 69+00.00 TO STA. 75+00.00		CONTRACT NO. 60F05
ILLINOIS FED. AID PROJECT						



1 LANDSCAPE PLAN  
1"=20'-0"

PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CO	8	Cellis occidentalis	Northern Hackberry	2.5" cal.	B&B	matching heads
LT	4	Liliodendron tulipifera	Tulip Tree	2.5" cal.	B&B	matching heads
QB	5	Quercus bicolor	Swamp White Oak	2.5" cal.	B&B	matching heads
QM	7	Quercus muehlenbergii	Chinkapin Oak	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CV	10	Crataegus virdis 'Winter King'	Winter King Hawthorn	8'H	B&B	multi-stem
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
HK	136	Hypericum kalmianum 'Ames'	St. Johnswort	18"H	pot	30" o.c.
RA	150	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
RO.W	40	Rosa JACruwhi 'Wild Spice'	Wild Spice White Rose	2 gal.	pot	36" o.c.
SP.TR	42	Spiraea Tor	Birchleaf Tor Spiraea	24"H	pot	30" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CR.Y	236	Crocus 'Yellow'	Yellow Crocus	8 cm.	pot	15" interplanted
CV.Z	236	Coreopsis verticillata 'Zagreb'	Zagreb Coreopsis	gal.	pot	15" o.c.
PV.S	160	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	3 gal.	pot	30" o.c.
SA	46	Sesleria autumnalis	Autumn Moor Grass	3 gal.	pot	30" o.c.

- NOTES:**
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- FOR ADDITIONAL PLANTING NOTES, SEE SHEET LA-12.
- COORDINATE ALL LANDSCAPE PLANTINGS WITH NEW AND EXISTING UTILITY LINES AND STRUCTURES.
- CONNECT ALL UNDERDRAINS TO NEAREST DRAINAGE STRUCTURE. COORDINATE WITH EOR/AOR.
- ALL NEW SHADE TREES SHALL BE 15'-0" MIN. AWAY FROM OVERHEAD UTILITY LINES AND STRUCTURES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND SURVEY WITH PROPOSED PLANES. COORDINATE ANY DISCREPANCIES WITH EOR/AOR.

**LEGEND:**

- EXISTING PROPERTY LINE
- - - - - TEMPORARY EASEMENT
- LANDSCAPE WALL
- GREEN SCREEN FENCE
- 4" UNDERDRAIN
- SHADE TREE TOPSOIL 36"
- ORNAMENTAL TREE TOPSOIL 36"
- SHRUBS + VINES TOPSOIL 24"
- EXISTING TREE TO REMAIN AND BE PROTECTED
- EXISTING LANDSCAPE TO REMAIN AND BE PROTECTED. COORDINATE WITH LANDSCAPE ARCHITECT
- PERENNIALS/ORNAMENTAL GRASS TOPSOIL 12"
- SALT TOLERANT SOD TOPSOIL 6"
- SEEDING CLASS 2A TOPSOIL 12"
- SEEDING CLASS 4 TOPSOIL 6"
- WETLAND SITE

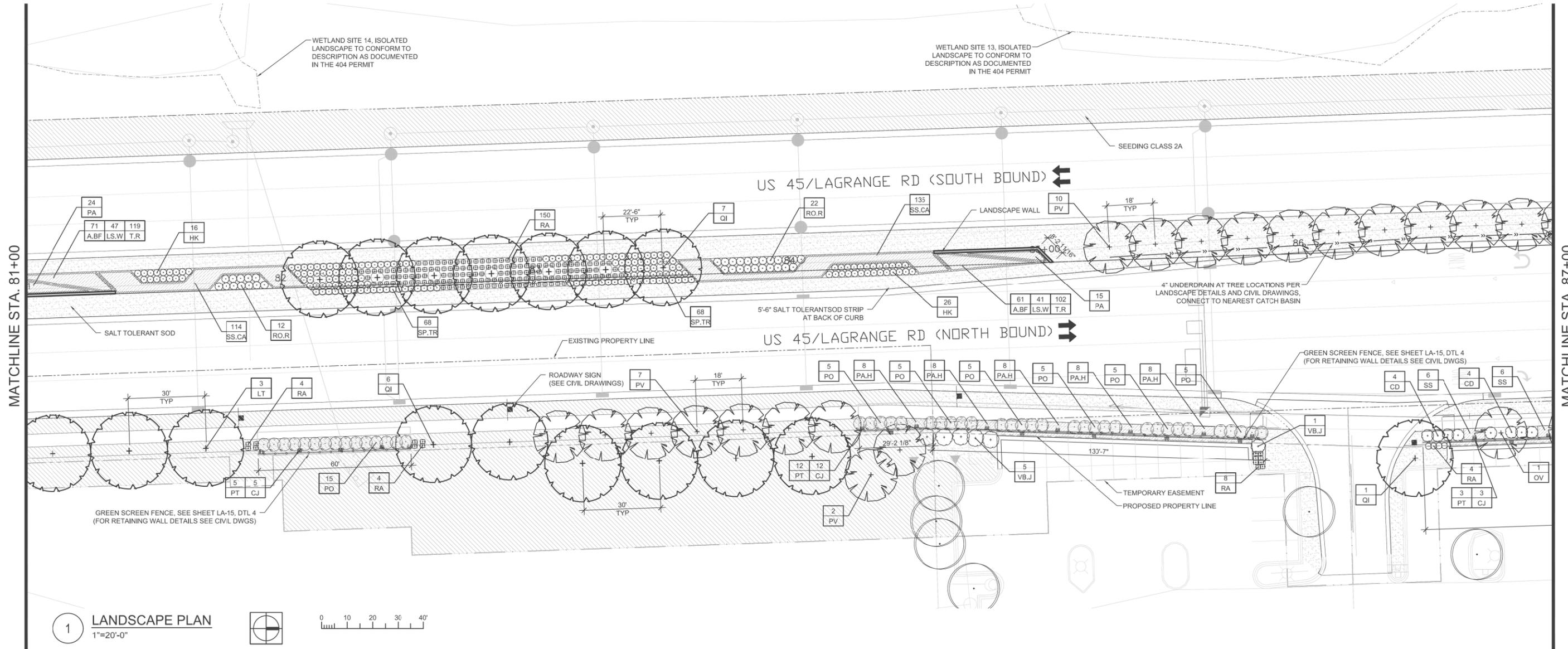
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: AS SHOWN SHEET NO. 8 OF 15 SHEETS STA. 75+00.00 TO STA. 81+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 432
LA-08			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



1 **LANDSCAPE PLAN**  
1"=20'-0"

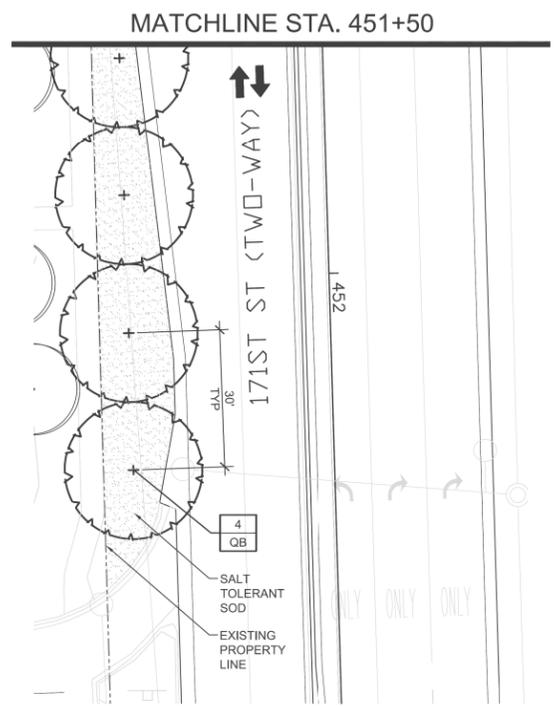
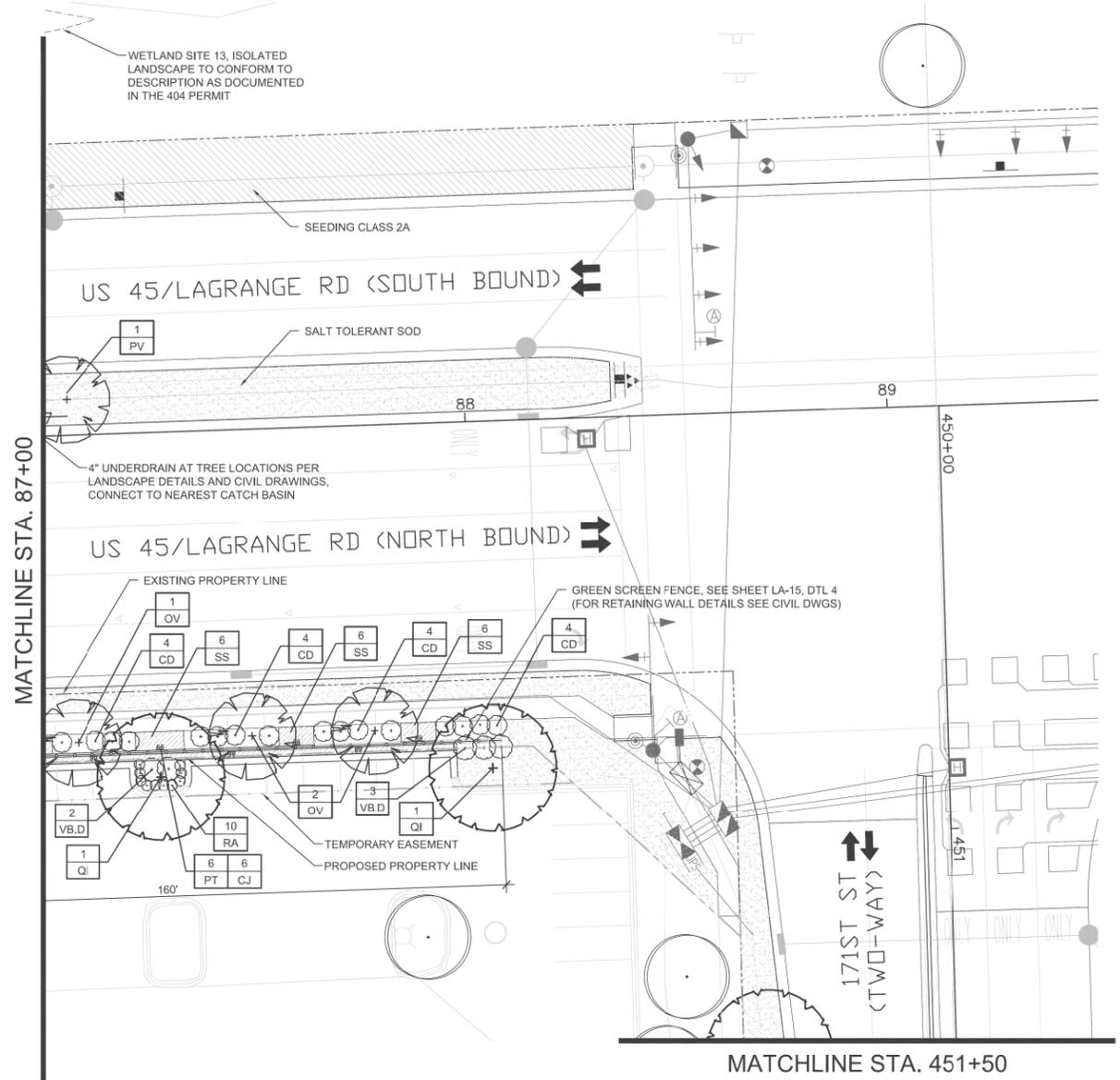
PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
LT	3	Liliodendron tulipifera	Tulip Tree	2.5" cal.	B&B	matching heads
QI	14	Quercus imbricaria	Shingle Oak	2.5" cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
OV	1	Ostrya virginiana	American Hopbeam	10"H	B&B	multi-stem
PV	19	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5" cal.	B&B	matching heads
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CD	8	Cornus racemosa	Gray Dogwood	36"H	B&B	48" o.c.
HK	42	Hypericum kalmianum 'Ames'	St. Johnswort	18"H	pot	30" o.c.
PO	45	Physocarpus opulifolius 'Monlo'	Diablo Ninebark	36"H	B&B	40" o.c.
RA	170	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
RO.R	34	Rosa 'Radrizz'	Knock Out Red Rose	3 gal.	pot	36" o.c.
SP.TR	136	Spirea 'Tor'	Birchleaf Tor Spirea	24"H	pot	30" o.c.
VB.J	6	Viburnum nudum 'Winterthur'	Winterthur Viburnum	48"H	B&B	60" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
A.BF	132	Agastache 'Blue Fortune'	Blue Fortune Agastache	gal.	pot	15" o.c.
CJ	20	Clematis x 'Jackmanii'	Jackman Clematis	gal.	pot	per plan
LS.W	88	Liatris spicata 'White'	White Blazing Star	gal.	pot	15" o.c.
PA	39	Pennisetum alopecuroides	Fountain Grass	gal.	pot	30" o.c.
PA.H	40	Pennisetum alopecuroides 'Hamlin'	Hamlin Dwarf Fountain Grass	gal.	pot	15" o.c.
PT	20	Parthenocissus tricuspidata	Boston Ivy	gal.	pot	per plan
SS	12	Schizachyrium scoparium	Little Bluestem	3 gal.	pot	30" o.c.
SS.CA	249	Schizachyrium scoparium 'Carousel'	Carousel Little Bluestem	3 gal.	pot	24" o.c.
T.R	221	Red Impression Tulip/Darwin Hybrid	Red Impression Tulip	12+ cm	bulb	15" interplanted

- NOTES:**
- ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
  - ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO EXISTING SOD SHALL REMAIN IN NEW PLANTING AREAS.
  - PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACING INDICATED.
  - ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
  - NO PLANTING SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 72" FROM FACE OF MEDIAN CURB.
  - MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET. HATCHING MAY HAVE BEEN OMITTED FOR CLARITY.
  - WEED CONTROL NON-SELECTIVE AND NON-RESIDUAL (WETLAND SHOULD BE USED AT ALL INTERSEEDING CLASS 4 AREAS.)
  - INTERSEEDING. CLASS 4 SHOULD BE USED WITHIN THE LIMITS OF SELECTIVE CLEARING.
  - FOR LANDSCAPE PLANTING DETAILS, SEE SHEETS LA-11 & LA-12.
  - FOR PLANT SCHEDULE, SEE SHEET LA-13.
  - FOR PROPOSED LANDSCAPE WALL DETAILS, SEE SHEET LA-14.
  - FOR ADDITIONAL PLANTING NOTES, SEE SHEET LA-12.
  - COORDINATE ALL LANDSCAPE PLANTINGS WITH NEW AND EXISTING UTILITY LINES AND STRUCTURES.
  - CONNECT ALL UNDERDRAINS TO NEAREST DRAINAGE STRUCTURE. COORDINATE WITH EOR/AOR.
  - ALL NEW SHADE TREES SHALL BE 15'-0" MIN. AWAY FROM OVERHEAD UTILITY LINES AND STRUCTURES.
  - CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND SURVEY WITH PROPOSED PLANES. COORDINATE ANY DISCREPANCIES WITH EOR/AOR.

**LEGEND:**

- EXISTING PROPERTY LINE
- - - - - TEMPORARY EASEMENT
- LANDSCAPE WALL
- GREEN SCREEN FENCE
- 4" UNDERDRAIN
- EXISTING LANDSCAPE TO REMAIN AND BE PROTECTED. COORDINATE WITH LANDSCAPE ARCHITECT
- PERENNIALS/ORNAMENTAL GRASS TOPSOIL 12"
- SALT TOLERANT SOD TOPSOIL 6"
- SEEDING CLASS 2A TOPSOIL 6"
- SEEDING CLASS 4 TOPSOIL 6"
- WETLAND SITE
- SHADE TREE TOPSOIL 36"
- ORNAMENTAL TREE TOPSOIL 36"
- SHRUBS + VINES TOPSOIL 24"
- EXISTING TREE TO REMAIN AND BE PROTECTED

MATCHLINE STA. 87+00



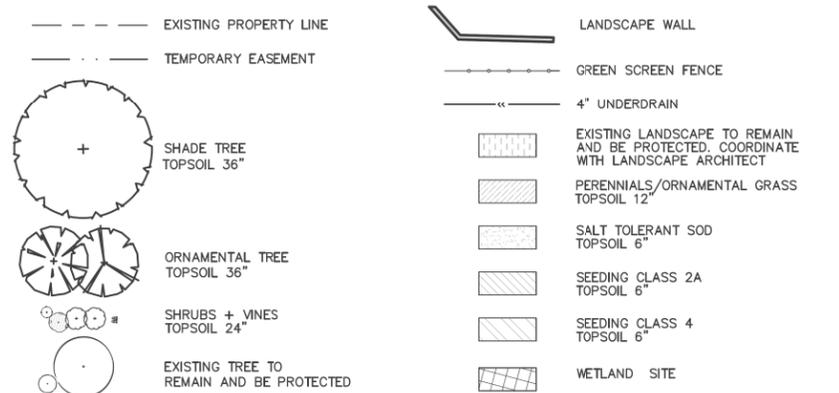
1 LANDSCAPE PLAN  
1"=20'-0"  
0 10 20 30 40'

PLANT SCHEDULE						
SHADE TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
QB	4	Quercus bicolor	Swamp White Oak	2.5' cal.	B&B	matching heads
QI	2	Quercus imbricaria	Shingle Oak	2.5' cal.	B&B	matching heads
ORNAMENTAL TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
OV	3	Ostrya virginiana	American Hophornbeam	10'H	B&B	multi-stem
PV	1	Prunus virginiana 'Canada Red'	Canada Red Cherry	2.5' cal.	B&B	matching heads
SHRUBS						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CD	16	Cornus racemosa	Gray Dogwood	36"H	B&B	48" o.c.
RA	10	Rhus aromatica 'Gro Low'	Grow Low Sumac	24"W	pot	30" o.c.
VB.D	5	Viburnum dentatum	Arrowwood Dogwood	36"H	B&B	48" o.c.
PERENNIALS, ORNAMENTAL GRASSES, VINES AND OTHER						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CJ	6	Clematis x Jackmanii	Jackman Clematis	gal.	pot	per plan
PT	6	Parthenocissus tricuspidata	Boston Ivy	gal.	pot	per plan
SS	18	Schizachyrium scoparium	Little Bluestem	3 gal.	pot	30" o.c.

NOTES:

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LEGEND:



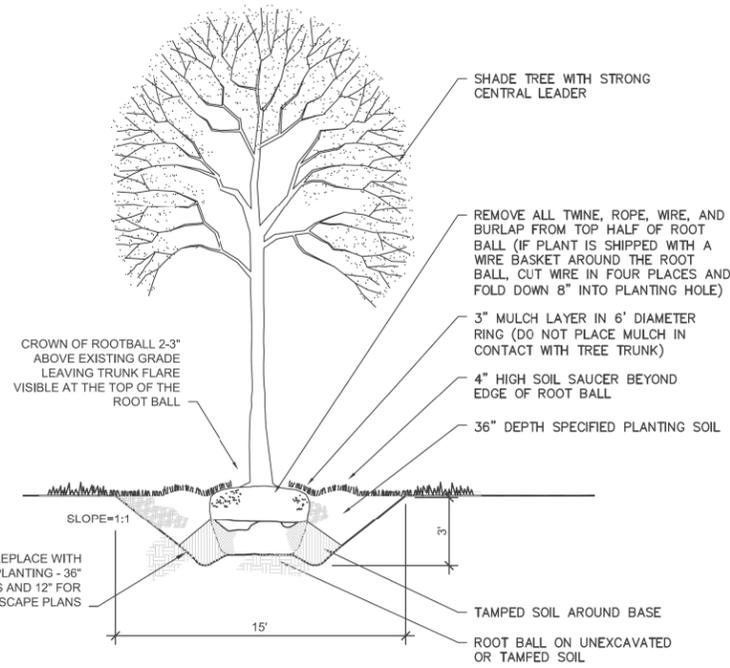
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

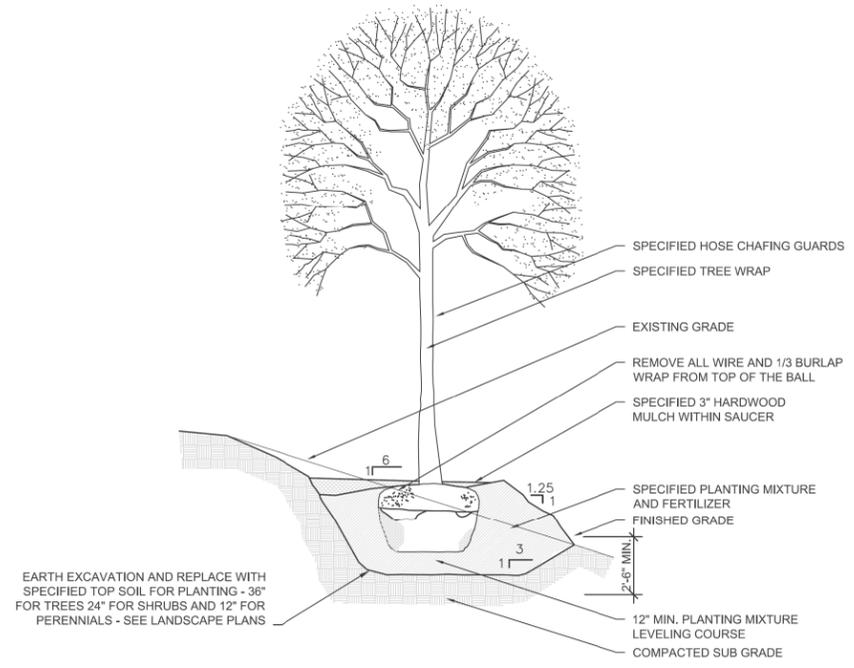
LANDSCAPING PLAN  
US 45 (LAGRANGE ROAD)

SCALE: AS SHOWN SHEET NO. 10 OF 15 SHEETS STA. 87+00.00 TO STA. 89+50.00

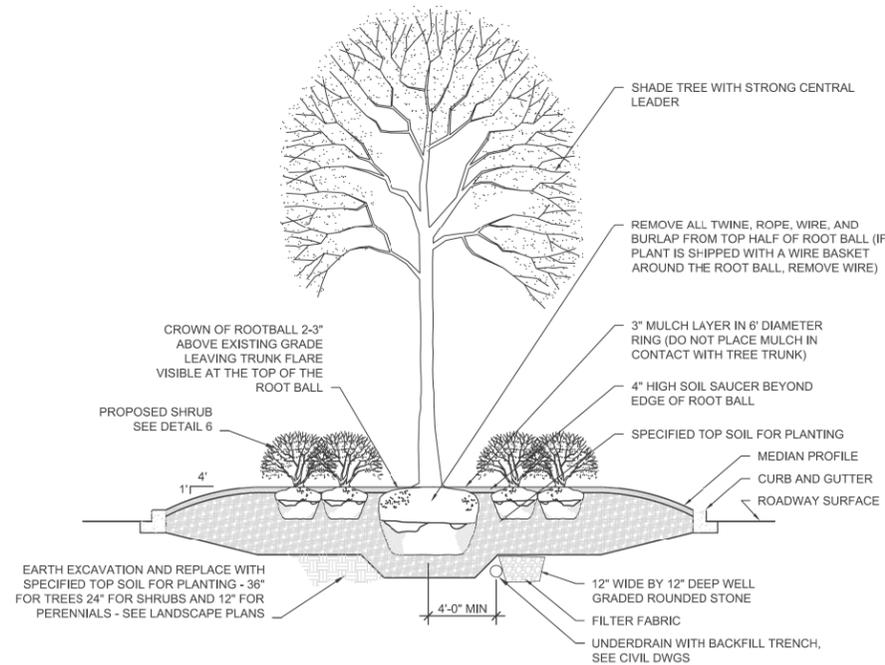
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LA-10		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



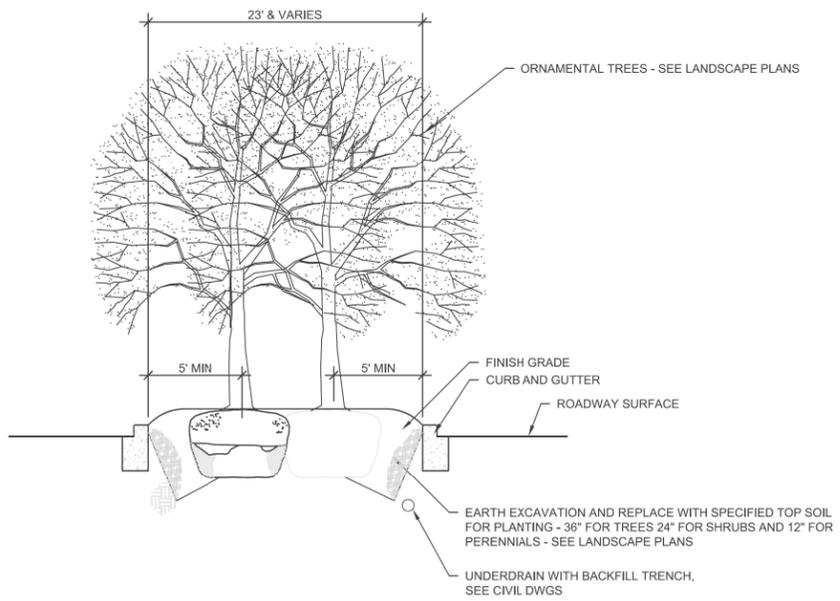
**1 TREE PLANTING SECTION**  
NOT TO SCALE



**2 TREE PLANTING ON SLOPE SECTION**  
NOT TO SCALE



**3 SHADE TREE PLANTING IN MEDIAN SECTION**  
NOT TO SCALE



**4 ORNAMENTAL TREE PLANTING IN MEDIAN SECTION**  
NOT TO SCALE

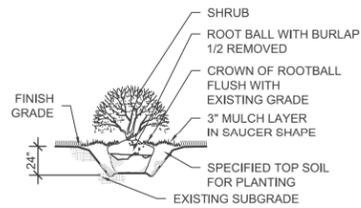
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

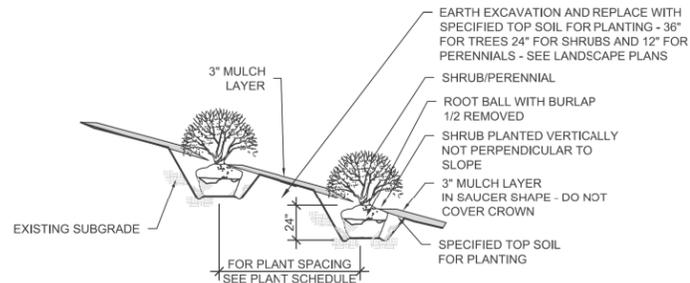
**LANDSCAPING DETAILS I**

SCALE: AS SHOWN SHEET NO. 11 OF 15 SHEETS STA. BEGIN TO STA. 89+50.00

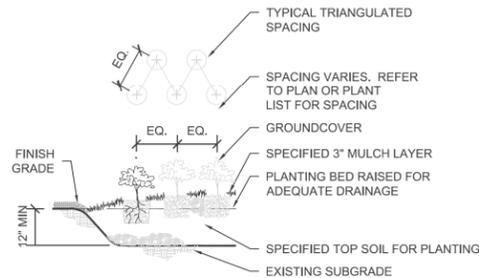
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<b>LA-11</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



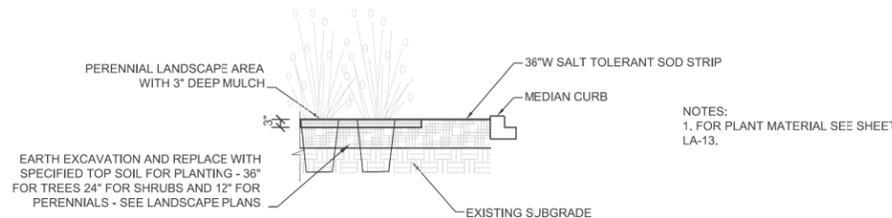
1 **STANDARD SHRUB INSTALLATION**  
NOT TO SCALE



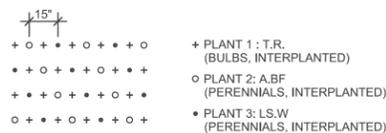
2 **SHRUB/PERENNIAL ON SLOPE INSTALLATION DETAIL**  
NOT TO SCALE



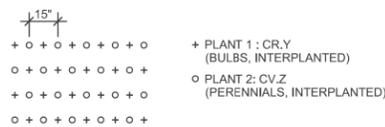
3 **GROUNDCOVER/PERENNIAL INSTALLATION**  
NOT TO SCALE



4 **MEDIAN PLANTING BED EDGE DETAIL**  
NOT TO SCALE



5 **INERPLANTING DETAIL - 3 PLANTS**  
NOT TO SCALE



6 **INERPLANTING DETAIL - 2 PLANTS**  
NOT TO SCALE

**GENERAL PLANTING NOTES**

- CONTRACTOR SHALL VERIFY SITE CONDITIONS BEFORE PROCEEDING WITH WORK AND SHALL REPORT ANY CONFLICT TO A/E.
- EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES SHALL BE DETERMINED AND VERIFIED IN THE FIELD BY CONTRACTOR. CONTRACTOR SHALL REPORT ANY CONFLICTS TO A/E PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL COORDINATE THIS WORK WITH OTHER TRADES AND MAINTAIN DRAINAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL KEEP ALL AREAS CLEAN, NEAT AND ORDERLY AT ALL TIMES.
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION OUTSIDE THE LIMITS OF GRADING. ALL EXISTING PARKWAY TREES AND EXISTING INTERIOR TREES SHALL BE PROTECTED WHILE PROJECT IS UNDER CONSTRUCTION AND SHALL BE REPLACED IF DAMAGED BY CONTRACTOR.
- CONTRACTOR SHALL INFORM A/E AS EACH PHASE OF WORK IS UNDERTAKEN.
- SLOPE ALL PLANTING AREAS AWAY FROM BUILDING AT 2% MINIMUM GRADE.
- FINISH GRADE SHALL BE 4" MINIMUM BELOW BUILDING FINISH FLOOR ELEVATION (ADJACENT TO BUILDING SLABS). ALL AREAS SHALL BE RECEIVED BY CONTRACTOR AT +/- 0.1 FOOT TO FINISH GRADE.
- FINISH GRADE SHALL BE 1" BELOW FINISH PAVING SURFACE IN LAWN AREAS AND 2" IN PLANTING AREAS.
- PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.
- AT LEAST ONE PLANT OF EACH SPECIES DELIVERED TO THE SITE WILL HAVE AN IDENTIFICATION TAG FROM THE SUPPLYING NURSERY SHOWING COMMON AND BOTANICAL PLANT NAMES. ALL PLANTS SHALL BE PROTECTED AGAINST HEAT, SUN, WIND AND FROST DURING TRANSPORTATION TO THE SITE AND WHILE BEING HELD AT THE SITE. DO NOT STORE PLANTS IN TOTAL DARKNESS MORE THAN ONE DAY.
- DO NOT DAMAGE PLANT ROOT BALL DURING TRANSPORTATION OR PLANTING.
- CONTRACTOR SHALL NOTIFY THE A/E AT THE TIME OF DELIVERY OF ANY PLANT MATERIAL THAT IS DAMAGED OR IN POOR CONDITION TO DETERMINE ACCEPTABILITY.
- ALL TREES SHALL BE SINGLE TRUNK STANDARDS UNLESS OTHERWISE NOTED.
- ALL ROCK AND DEBRIS 1" AND LARGER SHALL BE REMOVED FROM PLANTING AREAS AND THEN LEGALLY DISPOSED OF OFF SITE. ALL EXCESS MATERIALS RESULTING FROM CONTRACT WORK SHALL BE LEGALLY DISPOSED OF OFF SITE BY CONTRACTOR.
- A/E RESERVES THE RIGHT TO INSPECT ALL PLANT MATERIALS BEFORE PLANTING. MATERIAL MAY BE REJECTED AT ANY TIME DUE TO CONDITION, FORM OR DAMAGE BEFORE OR AFTER PLANTING. CONTRACTOR SHALL STAKE LOCATION OF ALL TREES, HEDGE LINES AND PLANTING BEDS AND HAVE LAYOUT APPROVED BY A/E PRIOR TO PLANTING.
- THE PLANTING PLANS ARE DIAGRAMMATIC. PLANT MATERIALS SHALL BE SPOTTED APPROXIMATELY AS SHOWN ON THE LANDSCAPE DRAWING AND ARE TO BE APPROVED BY THE A/E BEFORE BEING REMOVED FROM CONTAINERS AND EXCAVATING SOIL FOR PLANTING.
- INSTALL ALL PLANT MATERIAL IN ACCORDANCE WITH DETAILS. ALL FINISH GRADING AND PLANTING OPERATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- ALL PLANT TYING MATERIAL AND MARKING TAPES SHALL BE REMOVED AT THE TIME OF PLANTING.
- PROVIDE NEW TOPSOIL THAT IS FERTILE, FRIABLE AND NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY, CLAY LUMPS, BRUSH, WEEDS, AND OTHER LITTER AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIMENSION AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT NECESSARY FOR VIGOROUS GROWTH OF SPECIFIED PLANTINGS. OBTAIN TOPSOIL THAT OCCURS IN A DEPTH OF NOT LESS THAN 6". DO NOT OBTAIN SOIL FROM BOGS OR MARSHES.
- MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL ON A SITE SPECIFIC BASIS AT RATES APPROPRIATE FOR AREA TREES AND SHRUBS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL A MIN 3" LAYER OF HARDWOOD BARK MULCH (SEE SPECS.) AROUND ALL TREES AND IN ALL GROUND COVER / SHRUB AREAS. CREATE A NATURAL SPADED EDGE WHERE PLANTING BEDS MEET TURF AREAS.
- WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. FLOOD PLANTS TWICE DURING FIRST TWENTY-FOUR HOUR PERIOD OF PLANTING.
- CONTRACTOR SHALL REPAIR TO ITS ORIGINAL CONDITION ANY AREA OR ITEM DAMAGED AS A RESULT OF THEIR WORK. ANY EXISTING LANDSCAPE INDICATED ON THE PLANS THAT IS DAMAGED OR REMOVED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED IN KIND AND EQUIVALENT SIZE. CONTRACTOR SHALL REPAIR AND SOD IN KIND ALL TURF AREAS DAMAGED AS A RESULT OF PROJECT CONSTRUCTION.
- CONTRACTOR TO GUY AND STAKE TREES, IF REQUIRED, AS DIRECTED BY A/E, IMMEDIATELY AFTER PLANTING. PROVIDE A MINIMUM OF TWO GUY WIRES PER TREE ON THE UPHILL SIDE OF TREES PLANTED ON SLOPES STEEPER THAN 3:1.
- PROVIDE WIRE TIES AND GUYS OF 2-STRAND, TWISTED, PLIABLE GALVANIZED IRON WIRE, NOT LIGHTER THAN 12 GAGE WITH ZINC-COATED TURNBUCKLES. PROVIDED NOT LESS THAN 1/2" DIAMETER RUBBER OR PLASTIC HOSE, CUT TO REQUIRED LENGTHS AND OF UNIFORM COLOR, MATERIAL, AND SIZE TO PROTECT TREE TRUNKS FROM DAMAGE BY WIRES.
- CONTRACTOR TO WARRANTY ALL TREES AND SHRUBS AGAINST DEATH AND DEFECTS INCLUDING UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM NEGLIGENCE BY OWNER, ABUSE OR DAMAGE BY OTHERS OR UNUSUAL PHENOMENON OR INCIDENTS WHICH ARE BEYOND THE CONTRACTOR'S CONTROL (SEE SPECS).
- PROTECT SEEDED AREAS AND SLOPES AGAINST EROSION AND SEED LOSS DUE TO BIRDS AND OTHER WILDLIFE BY APPLYING SHORT TERM, BIODEGRADABLE EROSION CONTROL BLANKETS, MATS, AND/OR NETTING AFTER COMPLETION OF SEEDING OPERATIONS. ADHERE TO MANUFACTURER'S SPECIFICATIONS FOR REQUIRED PLACEMENT AND STAKING.
- REMOVE AGGREGATE FILL TO AN ADEQUATE DEPTH TO ENSURE THAT NO PART OF THE PLANT MATERIAL IS IN CONTACT OR AFFECTED BY THE LIME IN THE AGGREGATE FILL AS APPROVED BY A/E.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING DETAILS II

SCALE: AS SHOWN SHEET NO. 12 OF 15 SHEETS STA. BEGIN TO STA. 89+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	436
LA-12			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

## PLANT SCHEDULE

DECIDUOUS TREES						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
CO	28	Celtis occidentalis	Northern Hackberry	2 1/2" cal.	B&B	matching heads
GD	37	Gymnocladus dioicus	Kentuck Coffee Tree	2 1/2" cal.	B&B	matching heads
LT	15	Liliodendron Tulipferia	Tulip Tree	2 1/2" cal.	B&B	matching heads
QB	22	Quercus bicolor	Swamp White Oak	2 1/2" cal.	B&B	matching heads
QM	35	Quercus muehlenbergii	Chinkapin Oak	2 1/2" cal.	B&B	matching heads
QI	37	Quercus imbricaria	Shingle Oak	2 1/2" cal.	B&B	matching heads
TC	18	Tilia cordata	Little leaf Linden	2 1/2" cal.	B&B	matching heads
ORNAMENTAL TREES						
CV	44	Crataegus viridis 'Winter King'	Winter King Hawthorn	8' H	B&B	medium
CV-S	17	Crataegus viridis 'Winter King'	Winter King Hawthorn	2 1/2" cal.	B&B	matching heads
OV	4	Ostrya virginiana	American Hophornbeam	2 1/2" cal.	B&B	matching heads
PV	86	Prunus virginiana 'Canada Red'	Canada Red Cherry	2 1/2" cal.	B&B	matching heads
DECIDUOUS SHRUBS						
CD	24	Cornus racemosa	Grey Dogwood	3' H	B&B	48" o.c.
HK	728	Hypericum kalmianum 'Ames'	St. Johnswort	18" H	pot	30" o.c.
JV.BM	52	Juniper virginiana 'Blue Mountain'	'Blue Montain' Juniper	5 gal.	pot	42" o.c.
PO	124	Physocarpus opulifolius 'Monlo'	Diablo Ninebark	3' H	B&B	40" o.c.
RA	850	Rhus aromatic 'Gro Low'	Grow Low Sumac	2' W	pot	30" o.c.
RO.C	107	Rosa x 'Noelesa' P.P.# 13869	Flower Carpet Yellow Rose	3 gal.	pot	30" o.c.
RO.R	78	Rosa 'Radrazz'	Knock Out Red Rose	3 gal.	pot	36" o.c.
RO.W	80	Rosa JACrumhi	Wild Spice White Rose	3 gal.	pot	36" o.c.
RO.Y	80	Rosa BAline	Easy Elegance Yellow Submarine Rosa	3 gal.	pot	36" o.c.
SP.TR	620	Spirea 'Tor'	Birchleaf Tor Spirea	2' H	pot	30" o.c.
TM	63	Taxus x media 'Densifomis'	Dense Spreading Yew	3' W	B&B	30" o.c.
VB.D	5	Viburnum dentatum	Arrowwood Dogwood	3' H	B&B	48" o.c.
VB.J	6	Viburnum nudum 'Winterthur'	Winterthur Viburnum	48" H	B&B	60" o.c.
PERENNIAL, ORNAMENTAL GRASSES, VINES AND OTHER						
A.BF	688	Agastache 'Blue Fortune'	Blue Fortune Agastache	15" gal.	pot	per plan
CJ	35	Clematis x 'Jackmanii'	Jackman Clematis	gal.	pot	per plan
CR.P	474	Crocus purple	Purple Crocus	8 cm	pot	15" interpolated
CR.Y	472	Crocus Yellow	Yellow Crocus	8 cm	pot	15" interpolated
CV.Z	472	Coreopsis Verticillata Zagreb.	Zagreb coreopsis	15" gal.	pot	per plan
HE.CA	133	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	gal.	pot	15" o.c.
HE.RR	18	Hemerocallis 'Rosy Returns'	Rosy Return Pink Daylily	gal.	pot	15" o.c.
HE.SO	115	Hemerocallis 'Stella d' Oro'	Stella d' Oro Yellow Daylily	gal.	pot	15" o.c.
LS.W	190	Liatris spicata 'White'	White Blazing Star	gal.	pot	15" o.c.
MC	960	Molinia caerulea 'Moorflamme'	Moorflamme Purple Moore Grass	gal.	pot	18" o.c.
MD.M	227	Monarda didyma 'Marshalls Delight'	Marshalls Delight Monarda	gal	pot	15" o.c.
P.T	35	Parthenocissus tricuspidata	Boston Ivy	gal	pot	per plan
PE.LS	722	Perovskia atriplicifolia 'Little Spire'	Little Spire Russian sage	gal	pot	15" o.c.
PA	88	Pennisetum alopecuroides	Fountain Grass	gal.	pot	30" o.c.
PA.H	71	Pennisetum alopecuroides 'Hamlin'	Hamlin Dwarf Fountain Grass	gal.	pot	24" o.c.
PA.LB	235	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	gal.	pot	18" o.c.
PV.S	334	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	gal.	pot	30" o.c.
SA	92	Seslaria autumnalis	Autumn Moor Grass	3 gal.	Pot	30" o.c.
S.MN	474	Salvia 'May Night'	'May Night' Salvia	15" gal.	Pot	per plan
SS	192	Schizachyrium scoparium	Little Bluestem	3 gal.	Pot	30" o.c.
SS.CA	548	Schizachyrium scoparium 'Carousel'	Carousel Little Bluestem	3 gal.	Pot	24" o.c.
T.R	476	Red Impression Tulip / Darwin Hybrid	Red Impression Tulip	12+ cm	bulb	15" interpolated
SOD	4382	IDOT salt tolerant sod mix	Sod	sq yd	roll	

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 SUITE 500  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4198



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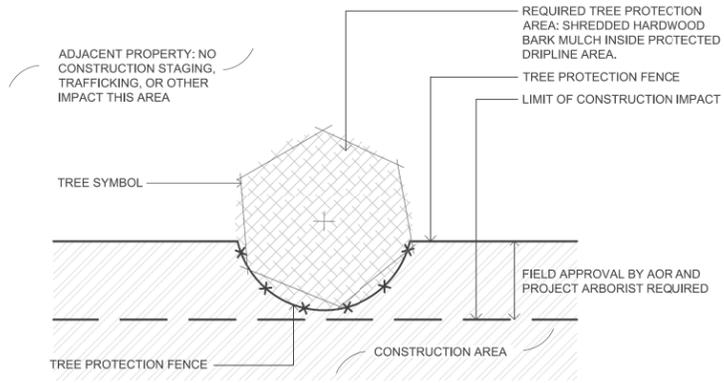
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PLOT DATE = 2/4/2013	CHECKED = BM	REVISED =
	DATE = 03/13/13	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

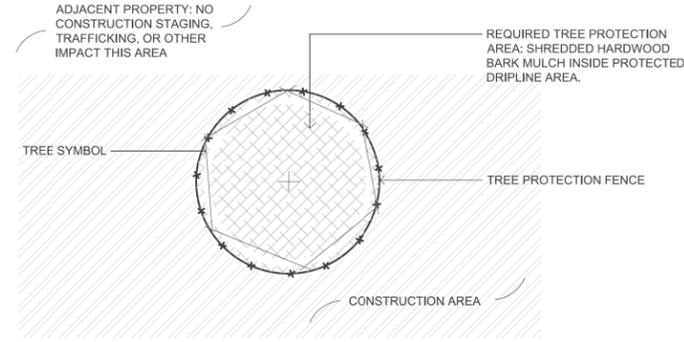
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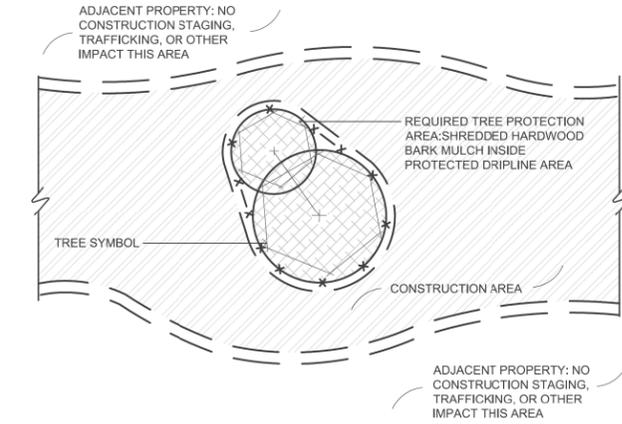
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	437
<b>LA-13</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



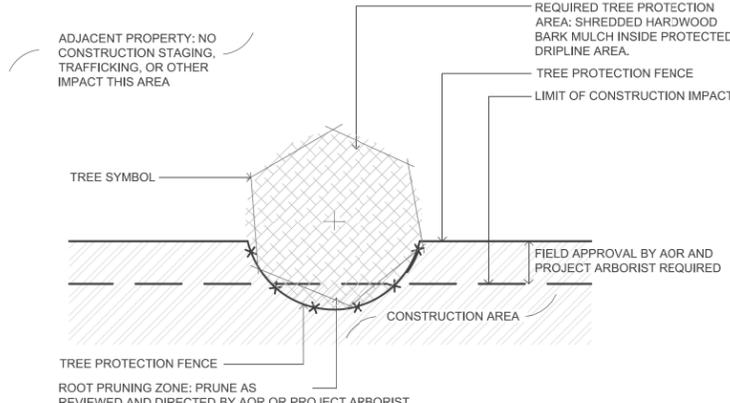
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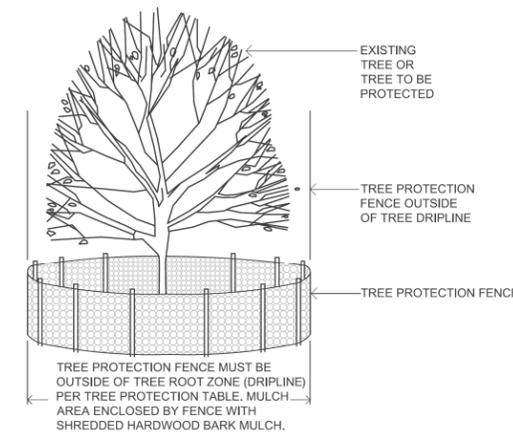
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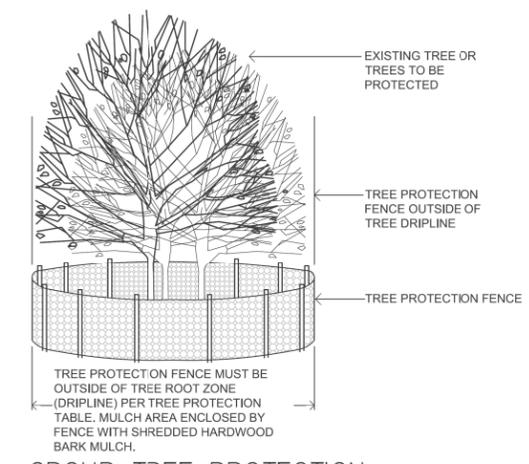
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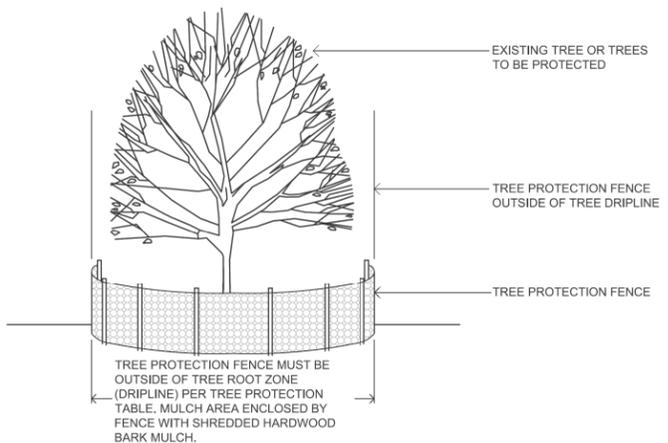
1B TREE PROTECTION FENCE INTERSECTS PROJECT ~~NOT~~ ROOT PRUNING REQUIRED PLAN NOT TO SCALE



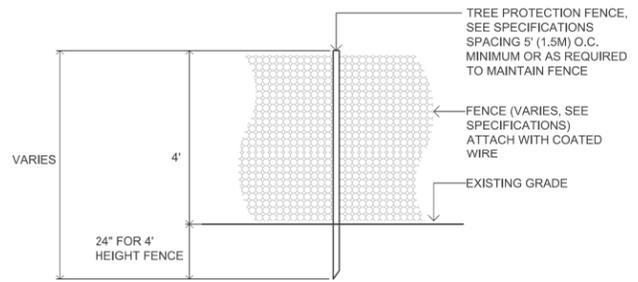
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3B GROUP TREE PROTECTION ENTIRELY WITHIN CONSTRUCTION AREA ELEVATION NOT TO SCALE



1C TREE PROTECTION FENCE INTERSECTS PROJECT ~~NOT~~ ROOT PRUNING REQUIRED ELEVATION NOT TO SCALE



4 TREE PROTECTION FENCE NOT TO SCALE

TREE PROTECTION	FLAG TAPE COLOR	MEASURED TREE CALIPER	RADIUS OF TREE PROTECTION FENCE AT EDGE OF DRIPLINE	MULCH RADIUS UNDER ENTIRE DRIPLINE
ADJACENT PROPERTY	NONE	VARIES	NONE, TREE PROTECTED BY TREE PROTECTION FENCE AT PROTECTION LIMITS	NONE
TREE WITH TREE PROTECTION FENCE	GREEN	0 CM-20.3 CM (0"-8")	MINIMUM 2.44M (8') OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES
TREE WITH TREE PROTECTION FENCE	GREEN	>20.3 CM-63.5 CM (>8"-25")	0.3048M (1") RADIUS FENCE FOR EACH 2.54CM (1") CALIPER OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES
TREE WITH TREE PROTECTION FENCE	GREEN	>63.5 CM (>25")	MINIMUM 2.44M (8') OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES
TREE WITH TREE PROTECTION FENCE, ROOTPRUNED	GREEN & YELLOW	0 CM-20.3 CM (0"-8")	MINIMUM 2.44M (8') OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES
TRFF WITH TRFF PROTECTION FENCE, ROOTPRUNED	GREEN & YELLOW	>20.3 CM-63.5 CM (>8"-25")	0.3048M (1") RADIUS FENCE FOR EACH 2.54CM (1") CALIPER OR AS APPROVED BY AOT OR PROJECT ARBORIST	YES
TREE WITH TREE PROTECTION FENCE, ROOTPRUNED	GREEN & YELLOW	>63.5 CM (>25")	MINIMUM 2.44M (8') OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES
TREE TO BE RELOCATED	BLUE	0 CM-20.3 CM (0"-8")	NONE, TREE PROTECTED BY TREE PROTECTION FENCE AT PROTECTION LIMITS	YES, IF PROTECTED
TREE TO BE REMOVED	RED	NONE	TREES MUST BE REMOVED PRIOR TO START OF CONSTRUCTION	NONE

5 TREE PROTECTION NOTES AND TABLE NOT TO SCALE

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		DRAWN = JR	REVISED =
	PLOT SCALE = AS SHOWN	CHECKED = BM	REVISED =
	PLOT DATE = 2/4/2013	DATE = 03/13/13	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TREE PROTECTION DETAILS			
SCALE: AS SHOWN	SHEET NO. 14 OF 15 SHEETS	STA. BEGIN TO STA. 89+50.00	

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 438
LA-14			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 41+00



MATCHLINE STA. 913+00

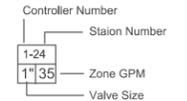
MATCHLINE STA. 913+00

**GENERAL IRRIGATION NOTES**

1. CONTACT ALL UTILITIES AND GENERAL CONTRACTOR AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
2. MAINTAIN ALL CODES REQUIRED BY STATE AND LOCAL AUTHORITIES.
3. COORDINATE ELECTRICAL HOOKUP WITH GENERAL CONTRACTOR, ELECTRICIAN AND OWNER. THE CONTROLLER WILL BE A STAND ALONE MOUNT WITH ELECTRICAL BROUGHT TO THE CONTROLLER LOCATION. THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS FROM THE POWER DROP TO THE CONTROLLER.
4. COORDINATE ALL SLEEVES AND PENETRATIONS WITH GENERAL CONTRACTOR. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR BORES, SLEEVES OR PENETRATIONS RELATED TO THE IRRIGATION.
5. IRRIGATION HEADS AND LINES ARE SCHEMATIC - MINOR FIELD ADJUSTMENTS MAY BE REQUIRED.
6. INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTANT WITH MANUFACTURER'S RECOMMENDATIONS.
7. MAINLINE PIPING SHALL BE INSTALLED AT MINIMUM OF 12" LATERAL LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12"
8. CAP OR PLUG ALL OPENINGS AS SOON AS LINES ARE INSTALLED TO PREVENT DEBRIS IN THE LINE.
9. THOROUGHLY FLUSH ALL LINES PRIOR TO THE OPERATION OF SPRINKLER HEADS.
10. INSTALL WIRES A MIN. OF 10" BELOW GRADE.
  - SPICES ARE NOT ALLOWED IN THE TRENCH.
  - PROVIDE A 24" EXPANSION LOOP AT EACH CHANGE IN DIRECTION.
  - 5 FEET OF EXCESS DECODER WIRE IS TO BE AT EACH DECODER LOCATION FOR EASE OF ACCESS.
11. THE IRRIGATION SYSTEM SHALL BE TESTED AT OPERATING PRESSURE FOR A MINIMUM OF 4 HOURS. REPAIR ALL LEAKS AND RETEST AFTER CURING.
12. UPON COMPLETION OF TEST, COMPLETE ASSEMBLY OF ALL EQUIPMENT AND SPRINKLERS FOR PROPER DISTRIBUTION.
13. PROVIDE 'AS BUILT' DRAWINGS SHOWING ALL COMPONENTS OF THE SYTEM PRIOR TO FINAL PAYMENT. PROVIDE FINAL GPM OF ZONES, WIRE RUNS, HEADS, VALVES, PIPE SIZES ETC...
14. ALL GASKETED PRESSURE PIPE AND FITTINGS SHALL BE THRUST BLOCKED. NO CONCRETE PREFORMED BLOCKS WILL BE ALLOWED.
15. ALL EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
16. ALL BIDDERS SHALL VISIT AND REVIEW THE SITE AND FAMILIAR THEMSELVES WITH THE SITE THE SITE PRIOR TO SUBMITTING A BID.
17. CONTRACTOR TO PROVIDE BLOW OUT TAP AFTER RPZ UNIT.
18. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND ACQUIRING ALL PERMITS.
19. PRIOR TO INSTALLATION, FIELD TEST THE SYSTEM PRESSURE AT THE POINT OF CONNECTION. THE SYSTEM IS BASED ON GPM AND PRESSURE FURNISHED BY OTHERS. CONTRACTOR IS RESPONSIBLE TO VERIFY PRESSURE IS AT LEAST 30 STATIC PSI AND NOTIFY OWNER IF PRESSURE IS LOWER.
20. DRAWING IS SCHEMATIC, FIELD ADJUSTMENTS MAY BE NEEDED. LOCATE ALL MAIN LINES AND LATERAL LINES IN TURF OR PLANTING AREAS. COMPONENTS ARE DRAWN OUTSIDE OF AREAS FOR EASE OF READING.
21. CONTRACTOR IS RESPONSIBLE FOR FINAL HEAD PLACEMENT AND NOZZLES SELECTION TO ENSURE THAT THE SPRINKLER SPRAY DOES NOT REACH THE STREET.

**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ⊗ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ①② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER. CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURES RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- Ⓜv BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⌘ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURES RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



**URS**  
 100 S. WACKER DR.  
 SUITE 500  
 CHICAGO IL 60606  
 TEL (312)-939-1000  
 FAX (312)-939-4198

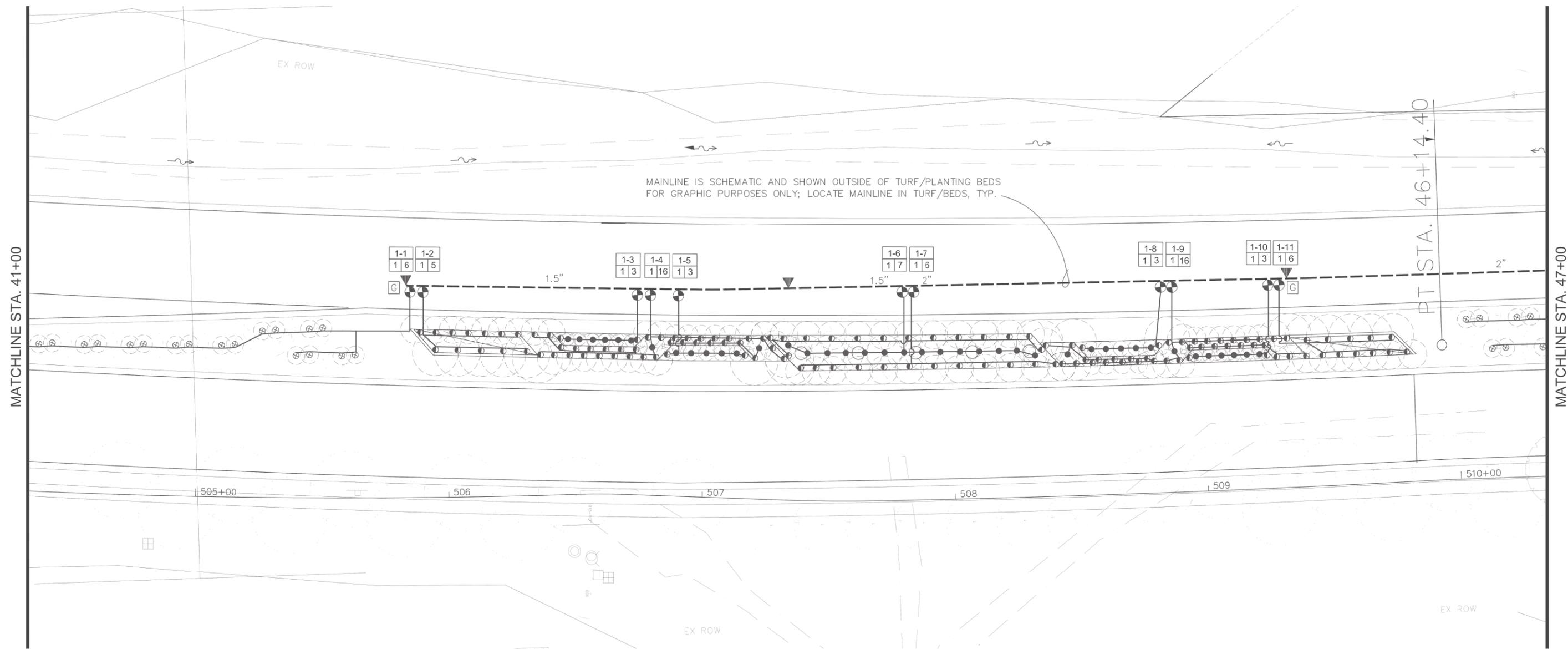
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		CHECKED — BM	REVISED —
		PLOT DATE = 11/26/2012	REVISED —
		DATE — 03/13/13	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

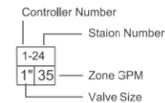
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	439
<b>IR-01</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◑ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ① ② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL, BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER, BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- MV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
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- 2" PIPE SIZE



FILE NAME =	USER NAME = jrossman
LaGrangeIRR_020413.dwg	

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DRAWN — JR	REVISIONS
PLOT SCALE = AS SHOWN	CHECKED — BM
PLOT DATE = 11/26/2012	DATE — 03/13/13

DESIGNED — AB	REVISIONS
DRAWN — JR	REVISIONS
CHECKED — BM	REVISIONS
DATE — 03/13/13	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

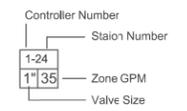
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	440
<b>IR-02</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
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- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
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- 2" PIPE SIZE



FILE NAME =	USER NAME = jrossman
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DESIGNED — AB	REVISD —
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CHECKED — BM	REVISD —
DATE — 03/13/13	REVISD —

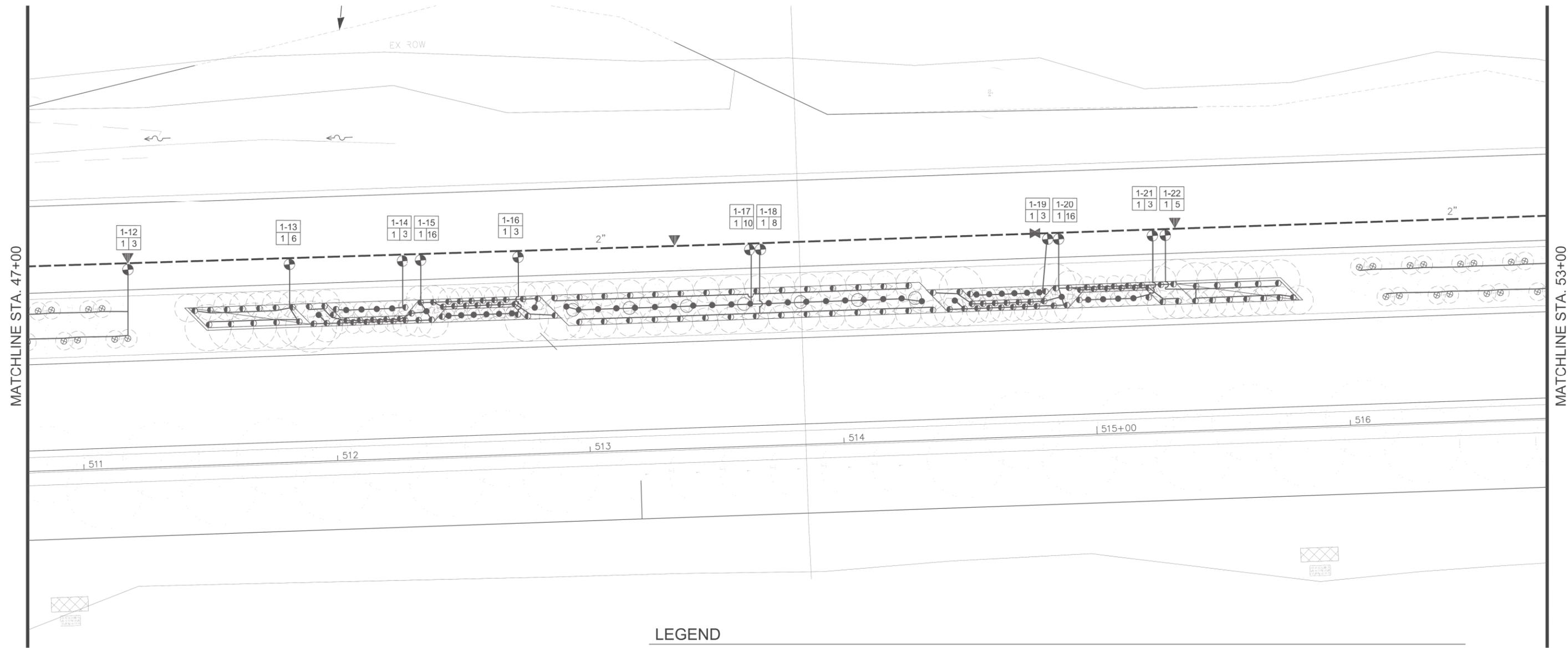
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PLOT DATE = 11/26/2012

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

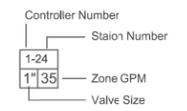
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	441
<b>IR-03</b>			CONTRACT NO. 60F05	
ILLINOIS   FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
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- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ①② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER, BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- ⓂV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- Ⓜ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⊗ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



FILE NAME = LaGrangeRR_020413.dwg	USER NAME = jrossman	DESIGNED — AB	REVISED —
		DRAWN — JR	REVISED —
	PLOT SCALE = AS SHOWN	CHECKED — BM	REVISED —
	PLOT DATE = 11/26/2012	DATE — 03/13/13	REVISED —

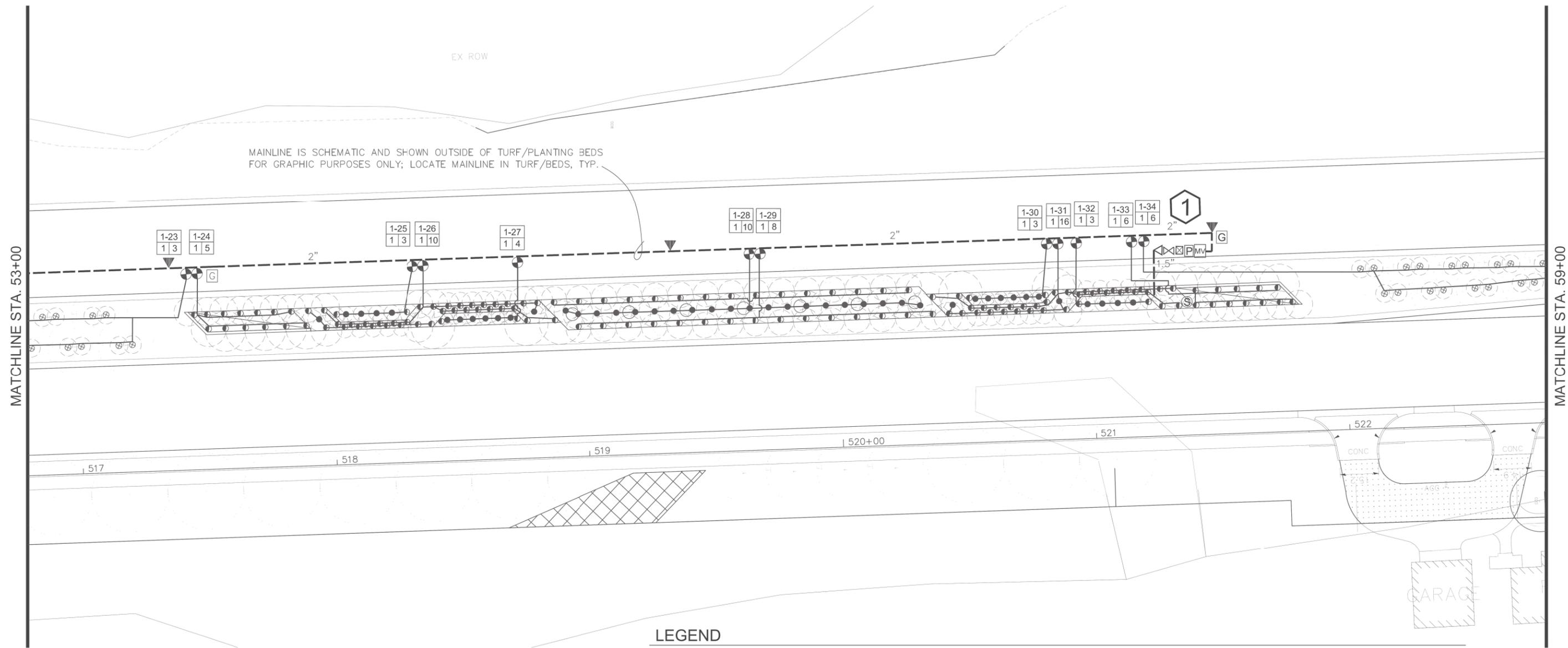
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

SCALE: AS SHOWN | SHEET NO. 3 OF 12 SHEETS | STA. 47+00.00 TO STA. 53+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 442
<b>IR-03</b>			CONTRACT NO. 60F05	

ILLINOIS FED. AID PROJECT

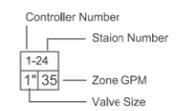


MATCHLINE STA. 53+00

MATCHLINE STA. 59+00

**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ⊗ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ①② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURES RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- MV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- WP WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⊗ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURES RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



FILE NAME =	USER NAME = jrossman
LaGrangeRR_020413.dwg	

DESIGNED — AB	REVISD —
DRAWN — JR	REVISD —
PLOT SCALE = AS SHOWN	CHECKED — BM
PLOT DATE = 11/26/2012	DATE — 03/13/13

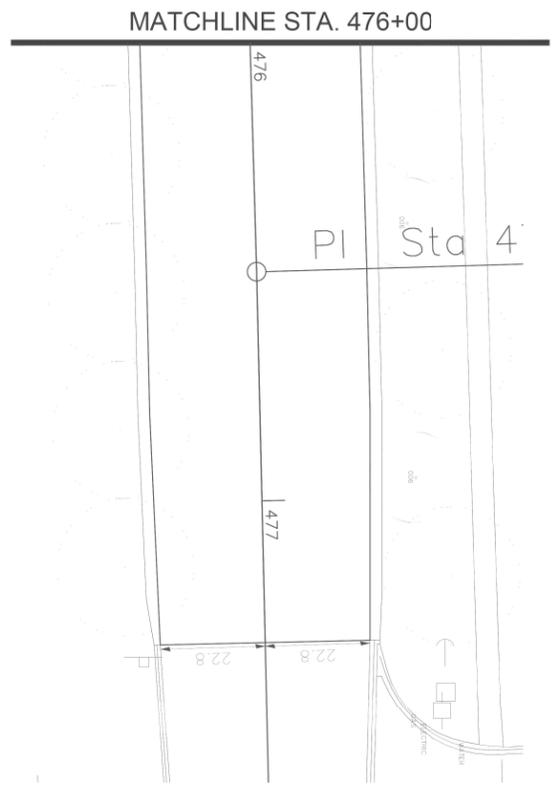
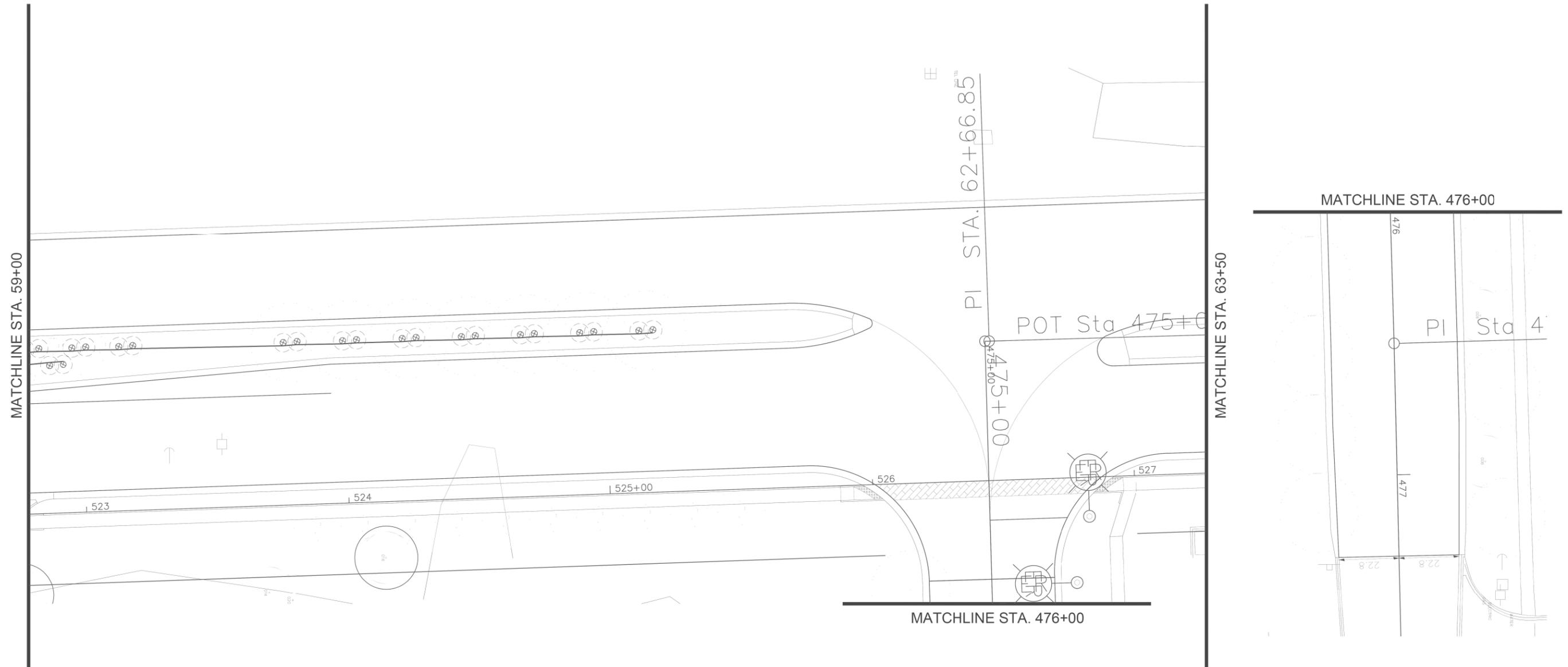
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CHECKED — BM	REVISD —
DATE — 03/13/13	REVISD —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

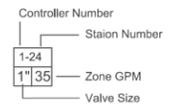
SCALE: AS SHOWN | SHEET NO. 4 OF 12 SHEETS | STA. 53+00.00 TO STA. 59+00.00

F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	443
<b>IR-04</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◑ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ① ② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ✕ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- Ⓜ BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION. ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⊠ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



FILE NAME = LaGrangeRR_020413.dwg	USER NAME = jrossman	DESIGNED — AB	REVISED —
		DRAWN — JR	REVISED —
	PLOT SCALE = AS SHOWN	CHECKED — BM	REVISED —
	PLOT DATE = 11/26/2012	DATE — 03/13/13	REVISED —

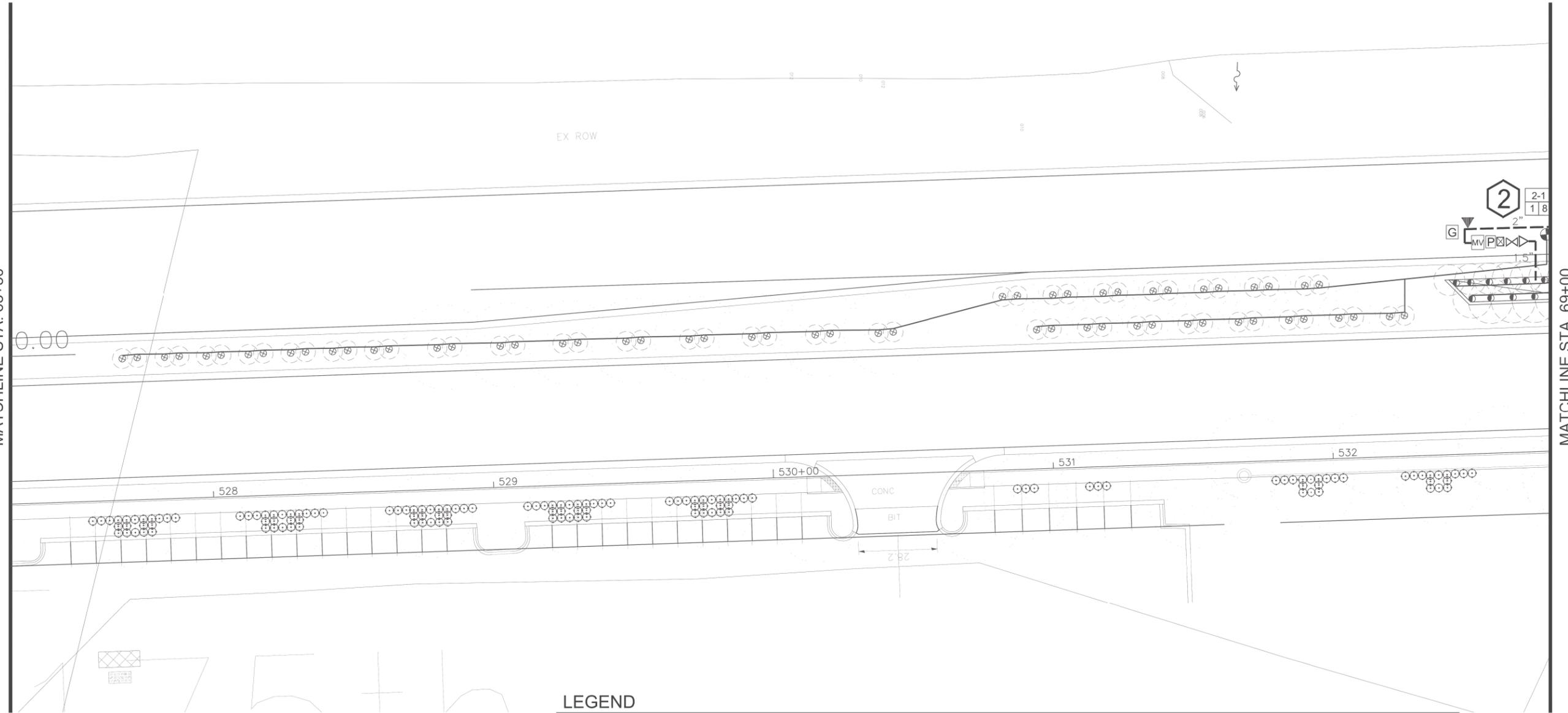
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

SCALE: AS SHOWN | SHEET NO. 5 OF 12 SHEETS | STA. 59+00.00 TO STA. 63+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	444
<b>IR-05</b>		CONTRACT NO. 60F05		
ILLINOIS   FED. AID PROJECT				

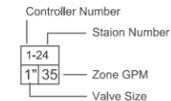
MATCHLINE STA. 63+50



MATCHLINE STA. 69+00

**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ⊗ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ① ② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER. CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURES RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- MV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- P WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- X 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURES RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



FILE NAME = LaGrangeRR_020413.dwg	USER NAME = jrossman	DESIGNED — AB	REVISED —
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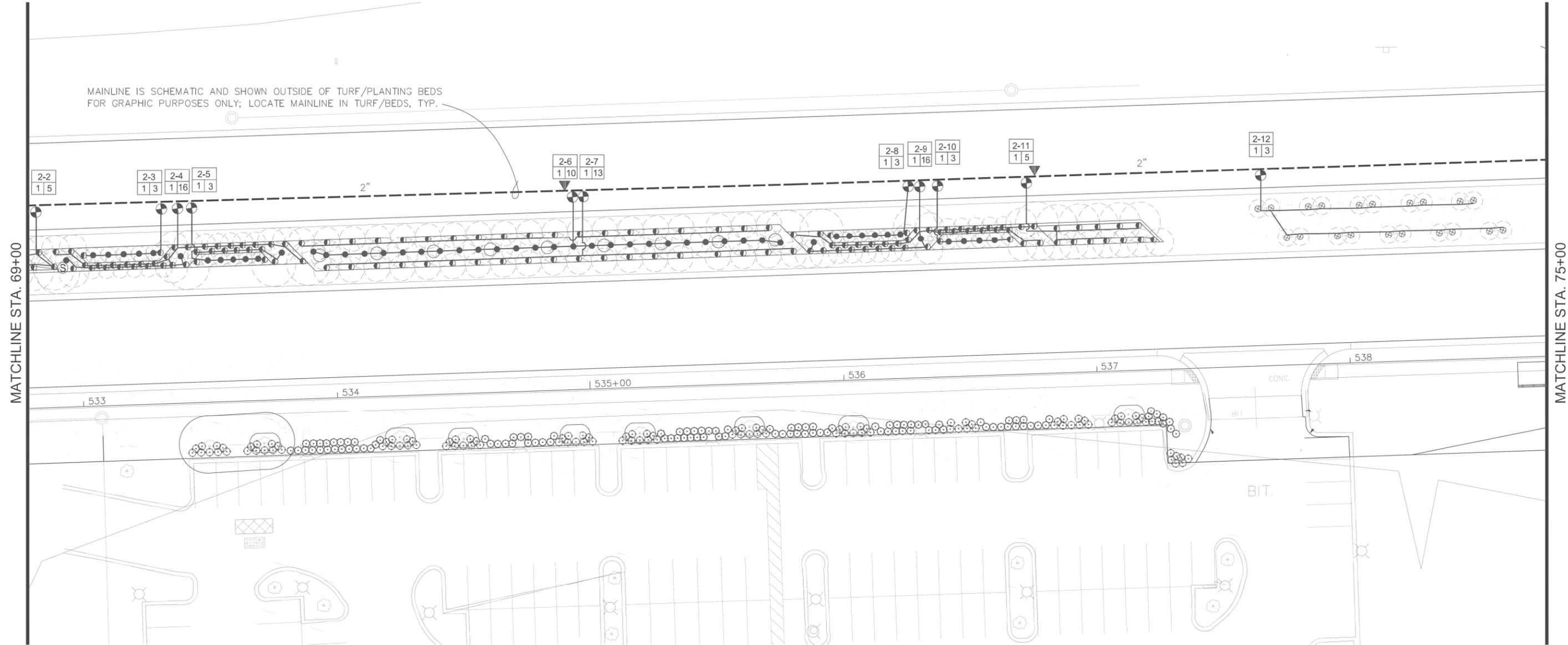
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

SCALE: AS SHOWN | SHEET NO. 6 OF 12 SHEETS | STA. 63+50.00 TO STA. 69+00.00

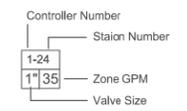
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 445
<b>IR-06</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

MAINLINE IS SCHEMATIC AND SHOWN OUTSIDE OF TURF/PLANTING BEDS FOR GRAPHIC PURPOSES ONLY; LOCATE MAINLINE IN TURF/BEDS, TYP.



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◑ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- - - CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ① ② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- MV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⌘ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



100 S. WACKER DR.  
 SUITE 500  
 CHICAGO IL 60606  
 TEL (312)-939-1000  
 FAX (312)-939-4198  
**URS**

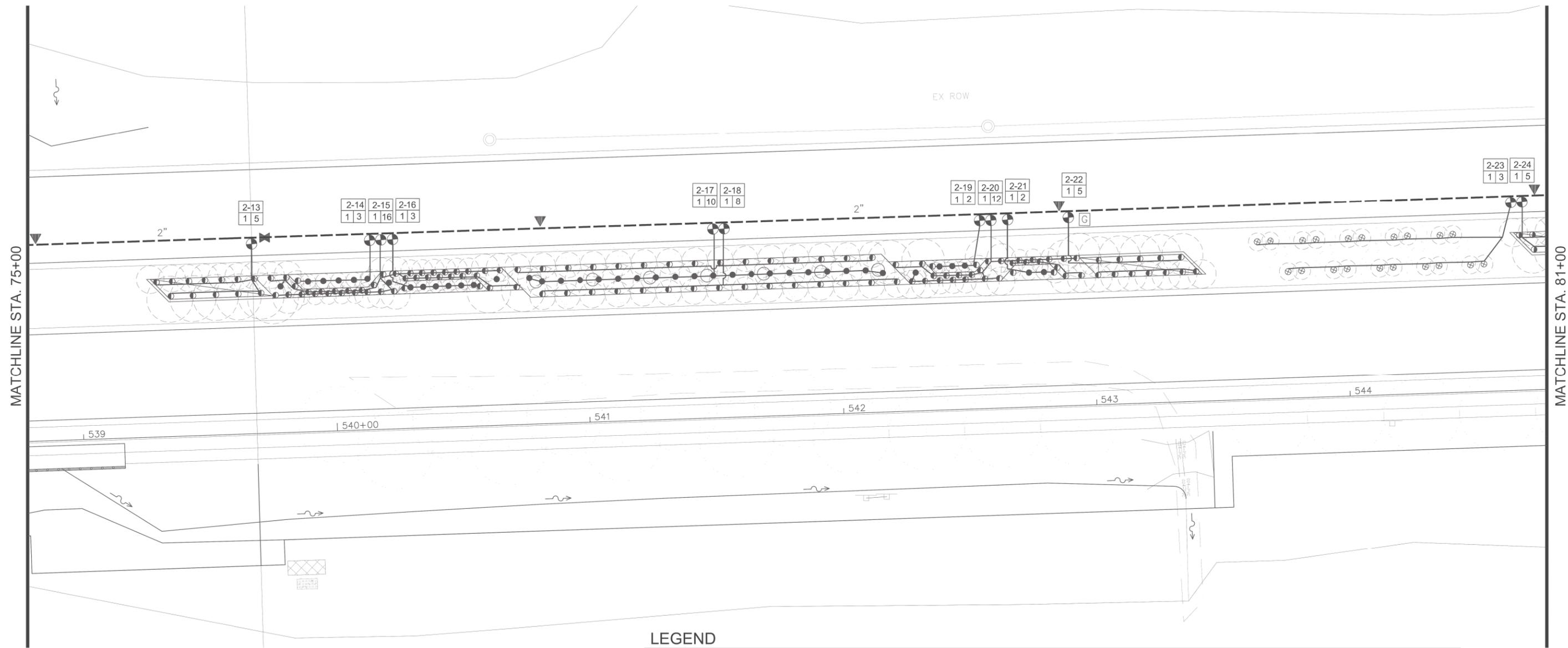
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		PLOT DATE = 11/26/2012	REVISED —
		DATE — 03/13/13	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

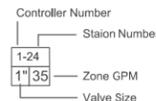
SCALE: AS SHOWN | SHEET NO. 7 OF 12 SHEETS | STA. 69+00.00 TO STA. 75+00.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	446
<b>IR-07</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
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- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ① ② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURES RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- Ⓜ MV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
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- 2" PIPE SIZE



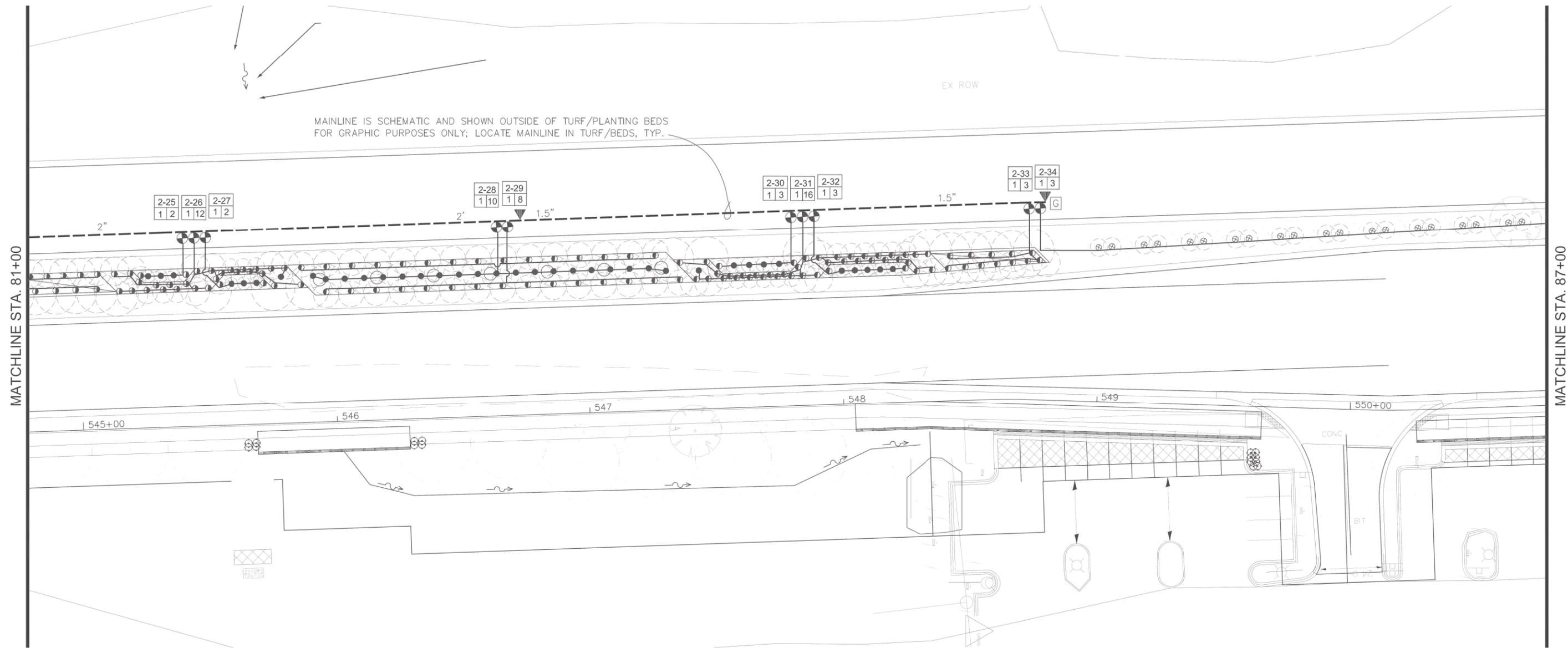
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

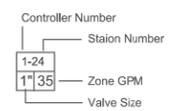
SCALE: AS SHOWN SHEET NO. 8 OF 12 SHEETS STA. 75+00.00 TO STA. 81+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	447
<b>IR-08</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◑ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
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- ①② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER, BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
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- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- ⓂV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⊗ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



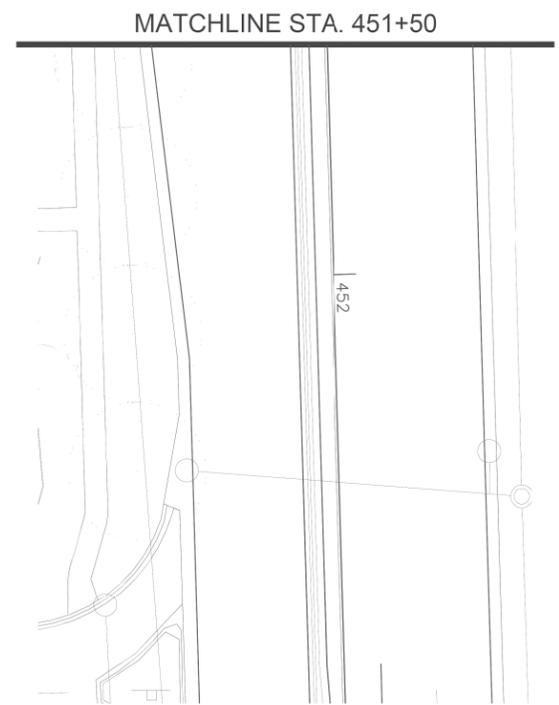
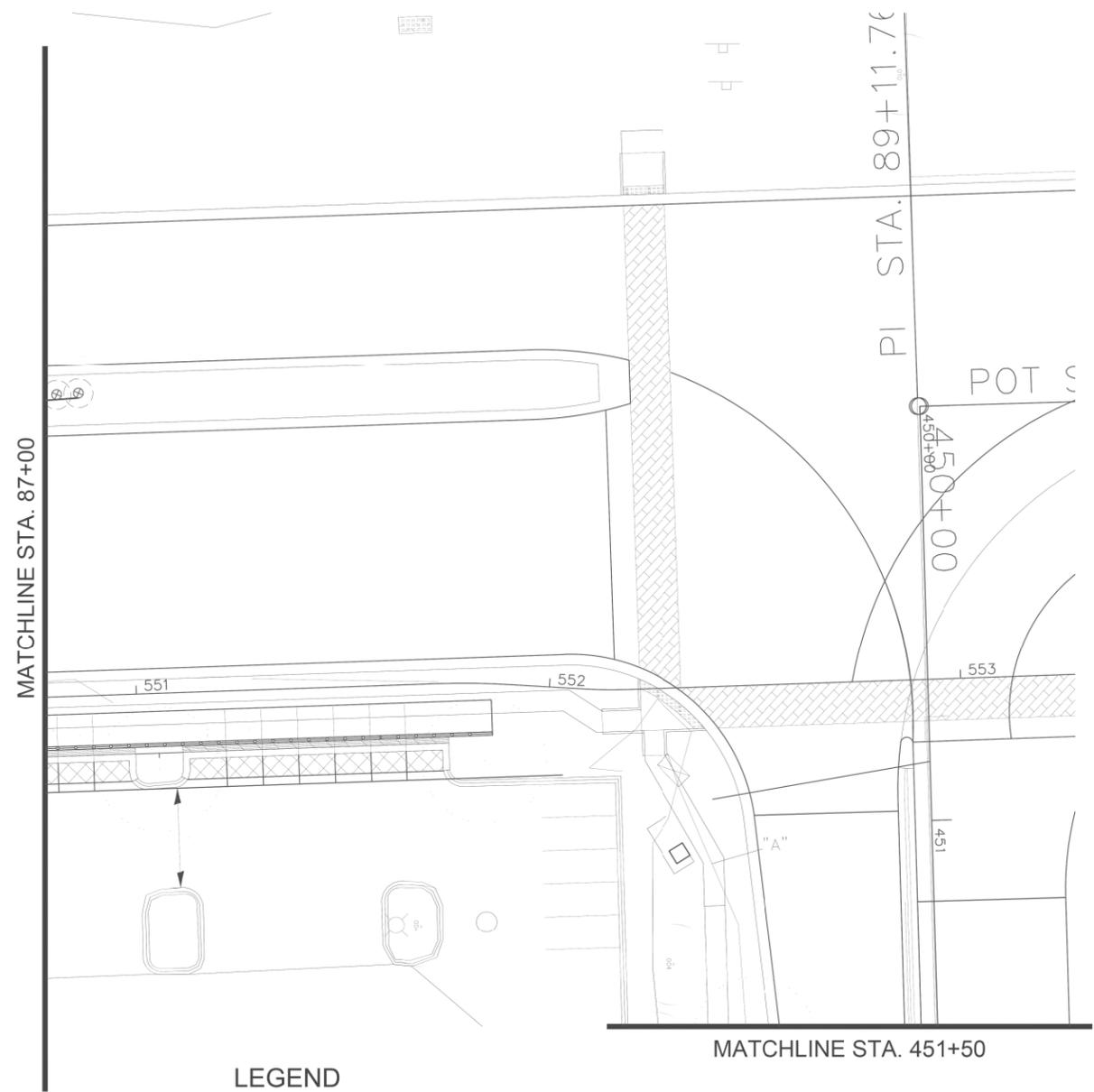
URS  
 100 S. WACKER DR.  
 SUITE 500  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4198

FILE NAME = LaGrangeRR_020413.dwg	USER NAME = jrossman	DESIGNED — AB	REVISED —
		DRAWN — JR	REVISED —
		CHECKED — BM	REVISED —
		DATE — 03/13/13	REVISED —

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

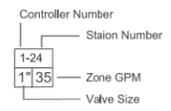
**IRRIGATION PLAN**  
**US 45 (LAGRANGE ROAD)**  
 SCALE: AS SHOWN SHEET NO. 9 OF 12 SHEETS STA. 81+00.00 TO STA. 87+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	448
<b>IR-09</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◑ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES- NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- - - CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- ① ② BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- MV BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊠ 1.5" BLOW OUT TAP WITH PLUG
- ⊗ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



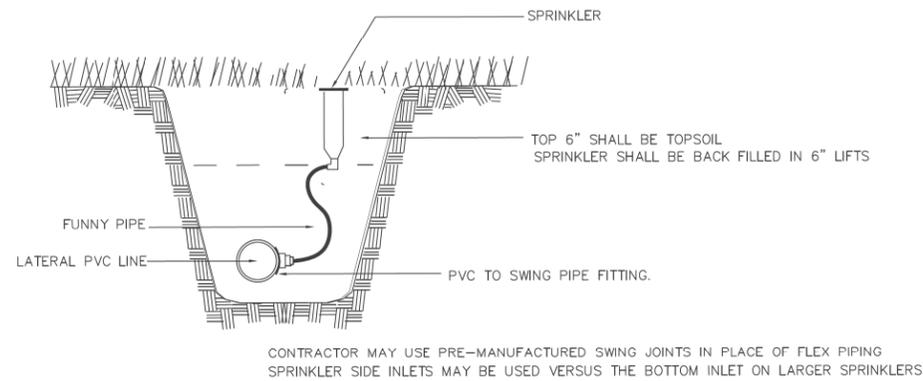
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		DRAWN — JR	REVISED —
		CHECKED — BM	REVISED —
		DATE — 03/13/13	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

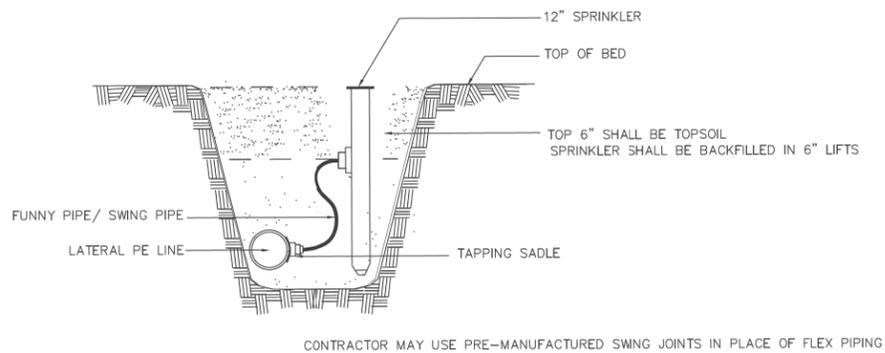
SCALE: AS SHOWN SHEET NO. 10 OF 12 SHEETS STA. 87+00.00 TO STA. 89+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 449
<b>IR-10</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



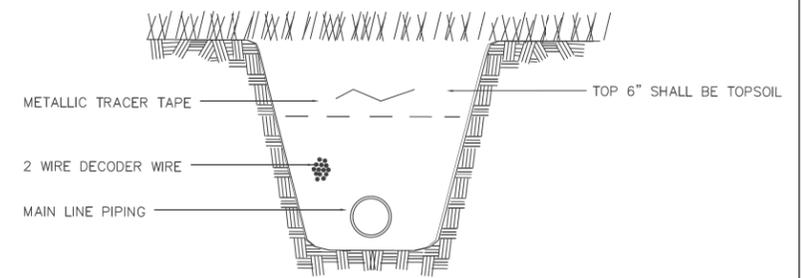
**1** 4" SPRAY HEAD- TURF

NO SCALE



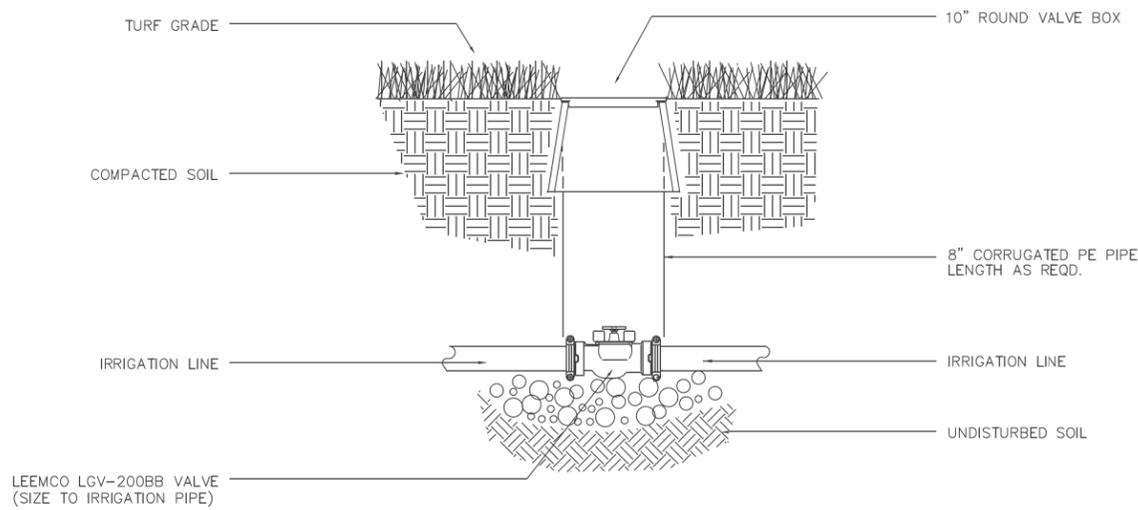
**2** 12" SPRAY HEAD- PLANTINGS

NO SCALE



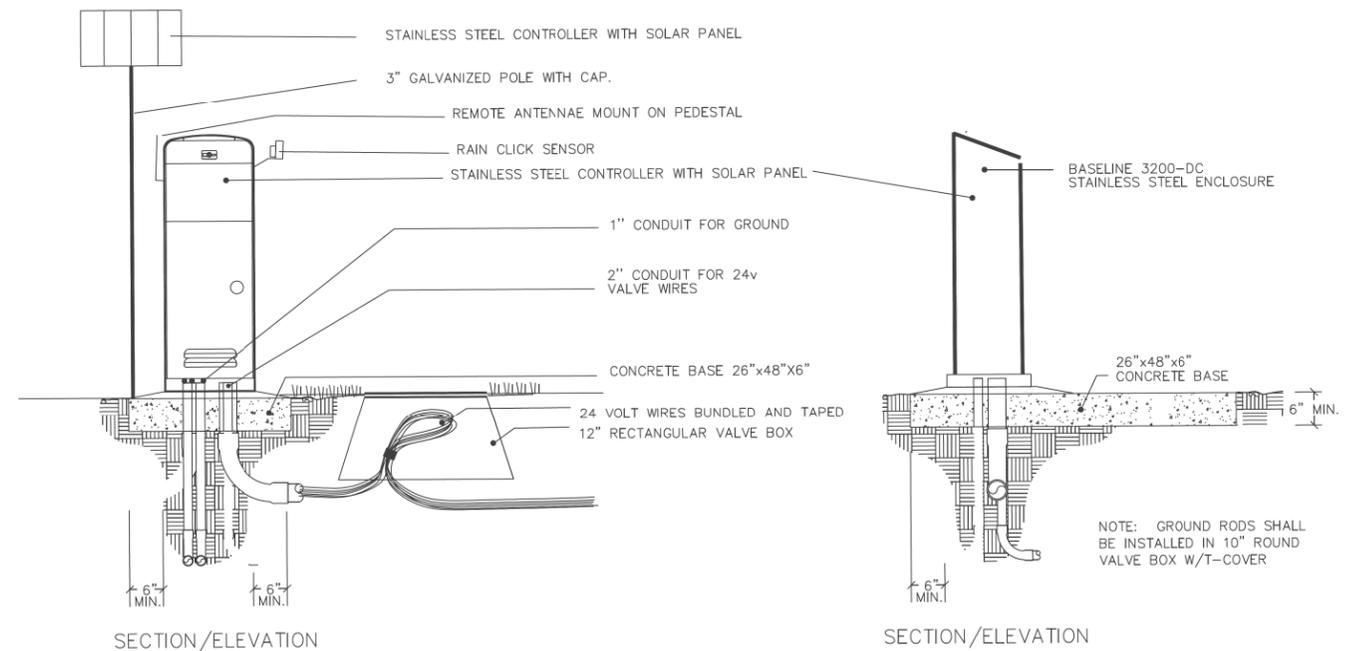
**3** WIRE TRENCH

NO SCALE



**4** ISOLATION VALVE 3" and SMALLER

NO SCALE

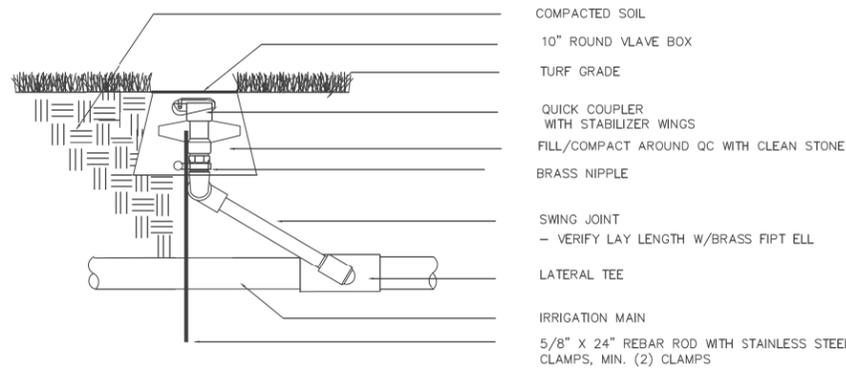


**5** CONTROLLER MOUNT

NO SCALE

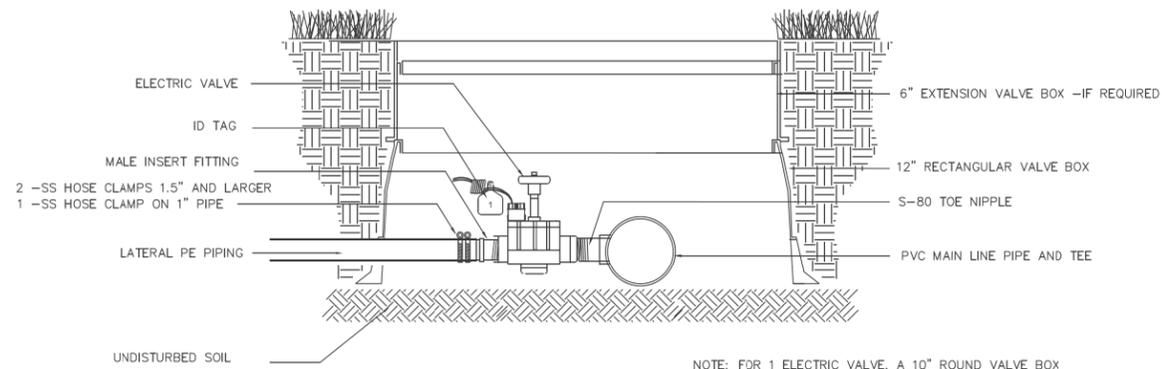
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		DRAWN — JR	REVISED —
	PLOT SCALE = AS SHOWN	CHECKED — BM	REVISED —
	PLOT DATE = 11/26/2012	DATE — 03/13/13	REVISED —

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	450
<b>IR-11</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



**6** QUICK COUPLING

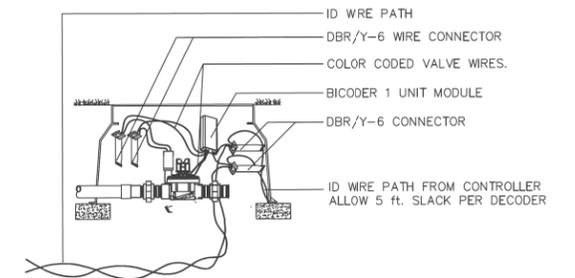
NO SCALE



**7** ELECTRIC VALVE - PE PIPE

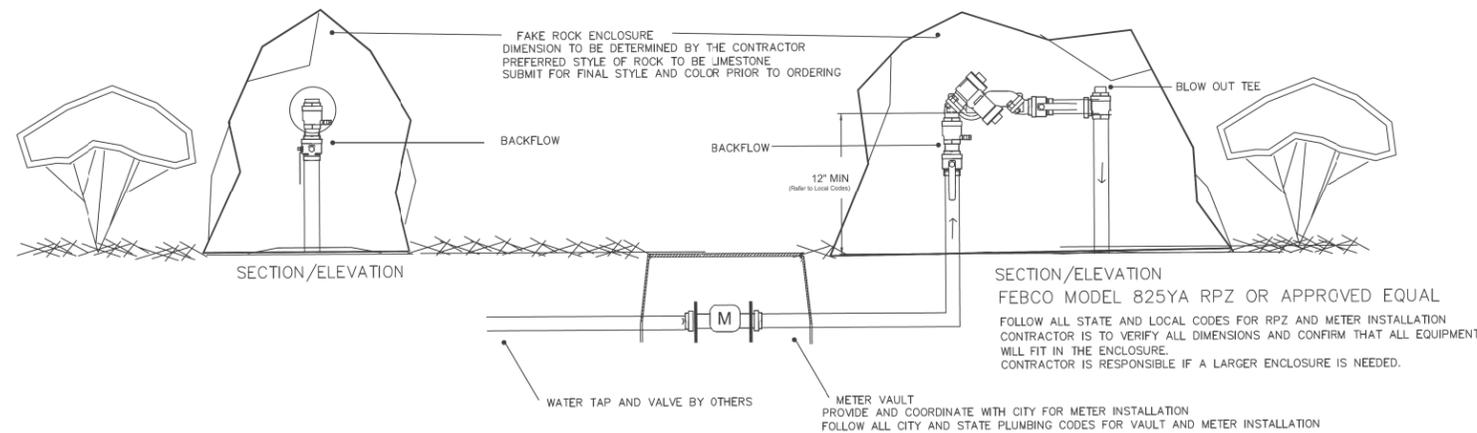
NO SCALE

NOTE: FOR 1 ELECTRIC VALVE, A 10" ROUND VALVE BOX MAY BE USED W/PIPE RISER, SEE ISOLATION VALVE DETAIL



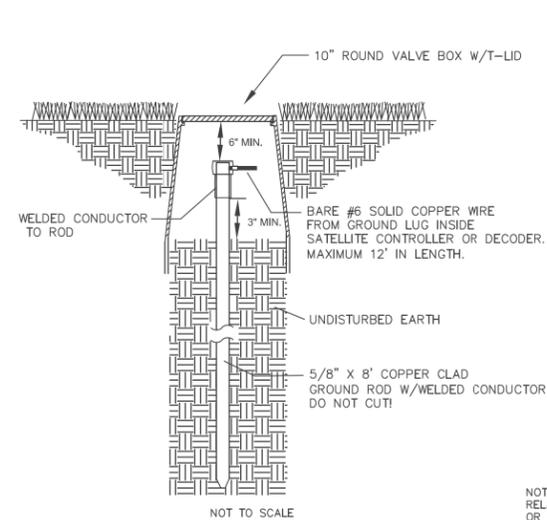
**8** SINGLE DECODER SCHEMATIC

NO SCALE



**9** BACKFLOW /METER ENCLOSURE

NO SCALE

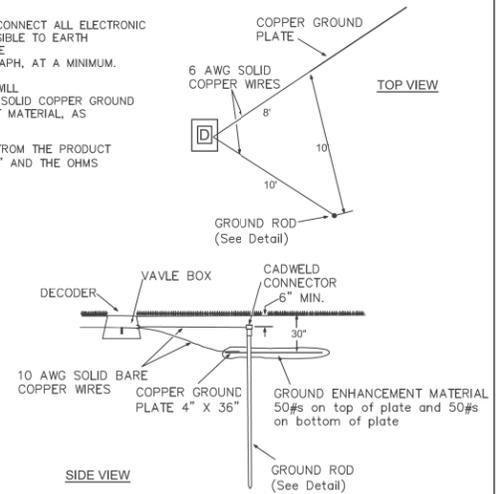


**EARTH GROUNDING**

IT IS THE RESPONSIBILITY OF THE INSTALLER TO CONNECT ALL ELECTRONIC IRRIGATION EQUIPMENT FOR WHICH HE IS RESPONSIBLE TO EARTH GROUND. GROUNDING COMPONENTS WILL INCLUDE THE ITEMS DESCRIBED IN THE FOLLOWING PARAGRAPH, AT A MINIMUM.

AT THE VERY MINIMUM, THE GROUNDING CIRCUIT WILL INCLUDE A COPPER CLAD STEEL GROUND ROD, A SOLID COPPER GROUND PLATE AND 100 POUNDS OF GEM EARTH CONTACT MATERIAL, AS DEFINED PER THE FOLLOWING DETAIL.

CONTRACTOR TO PROVIDE WRITTEN VERIFICATION FROM THE PRODUCT DISTRIBUTOR THAT THE GROUNDING WAS "MEGGED" AND THE OHMS ARE WITH IN THE ACCEPTABLE LIMITS.



NOTE: GROUNDING PLATE AND ALL OTHER RELATED MATERIALS BY PAIGE ELECTRIC CO. OR APPROVED EQUAL.

**10** GROUNDING SCHEMATIC

NO SCALE

FILE NAME =	USER NAME = jrossman
LaGrangeRR_020413.dwg	

DESIGNED -- AB	REVISED --
DRAWN -- JR	REVISED --
PLOT SCALE = AS SHOWN	CHECKED -- BM
PLOT DATE = 11/26/2012	DATE -- 03/13/13

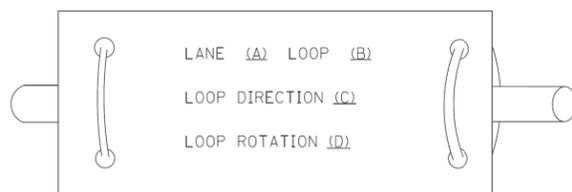
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CHECKED -- BM	REVISED --
DATE -- 03/13/13	REVISED --

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	451
IR-12		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

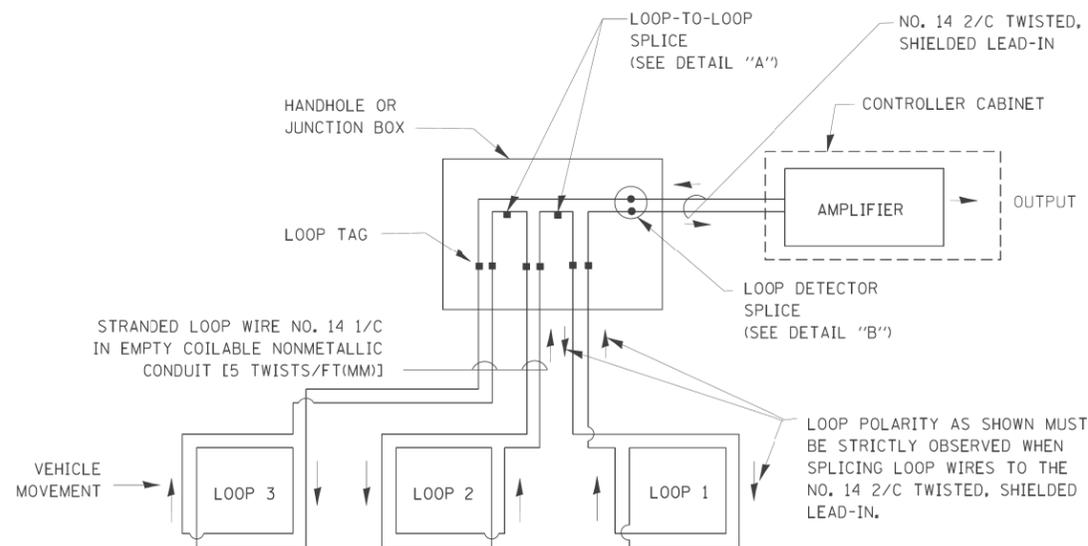
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

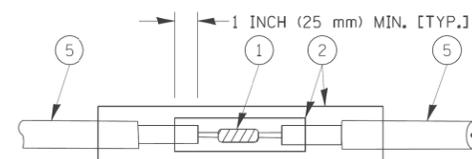


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

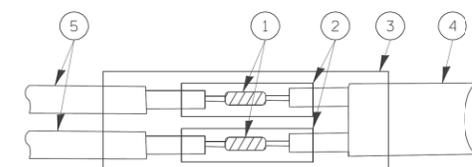


**DETECTOR LOOP WIRING SCHEMATIC**

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

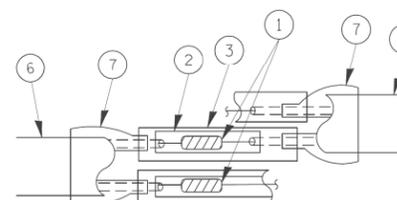


**DETAIL "A"  
LOOP-TO-LOOP SPLICE**

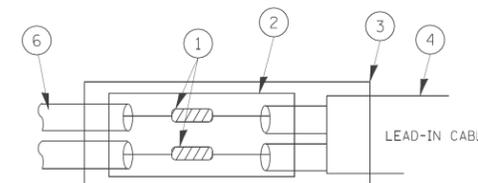


**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**TYPE I LOOP**



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

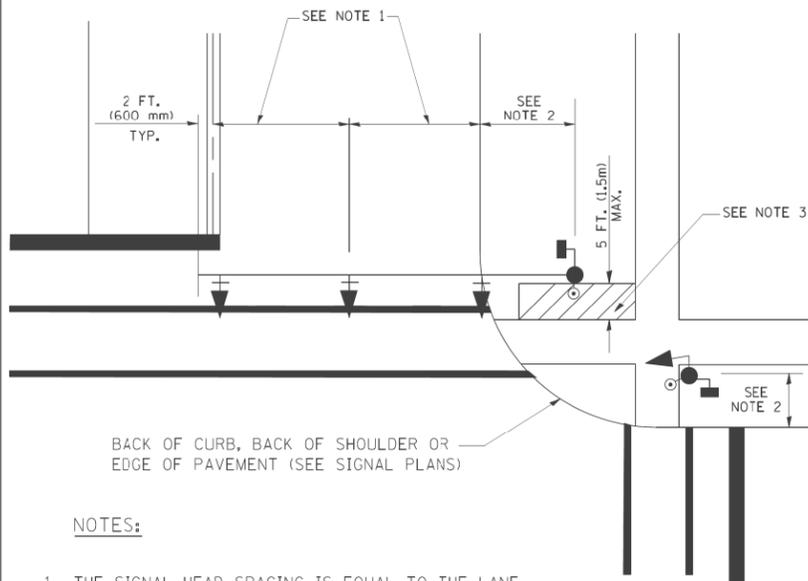
**LOOP DETECTOR SPLICE**

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

FILE NAME = c:\pwwork\pwi001\BAUERDL\d0108315\ts05.dgn	USER NAME = bauerdl	DESIGNED - DAD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 452
PLOT SCALE = 50,0000' / IN.	CHECKED - DAD	REVISIED -	REVISIED -		SCALE: NONE	SHEET NO. 1 OF 6 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 60F05		
PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

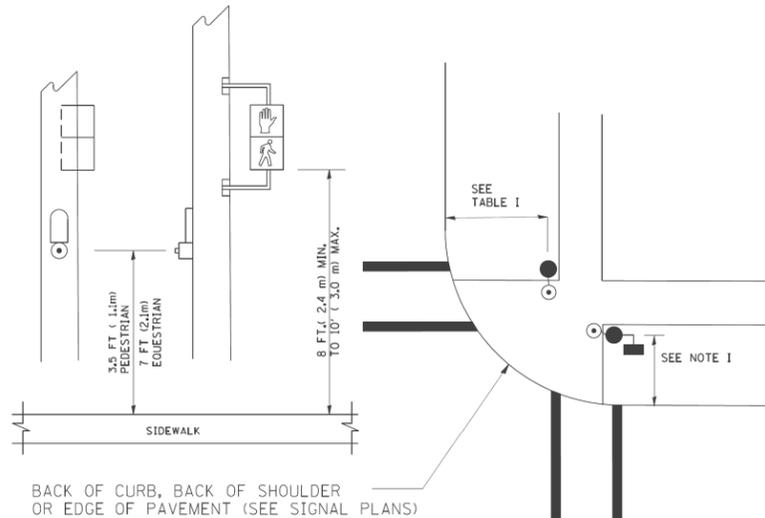
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

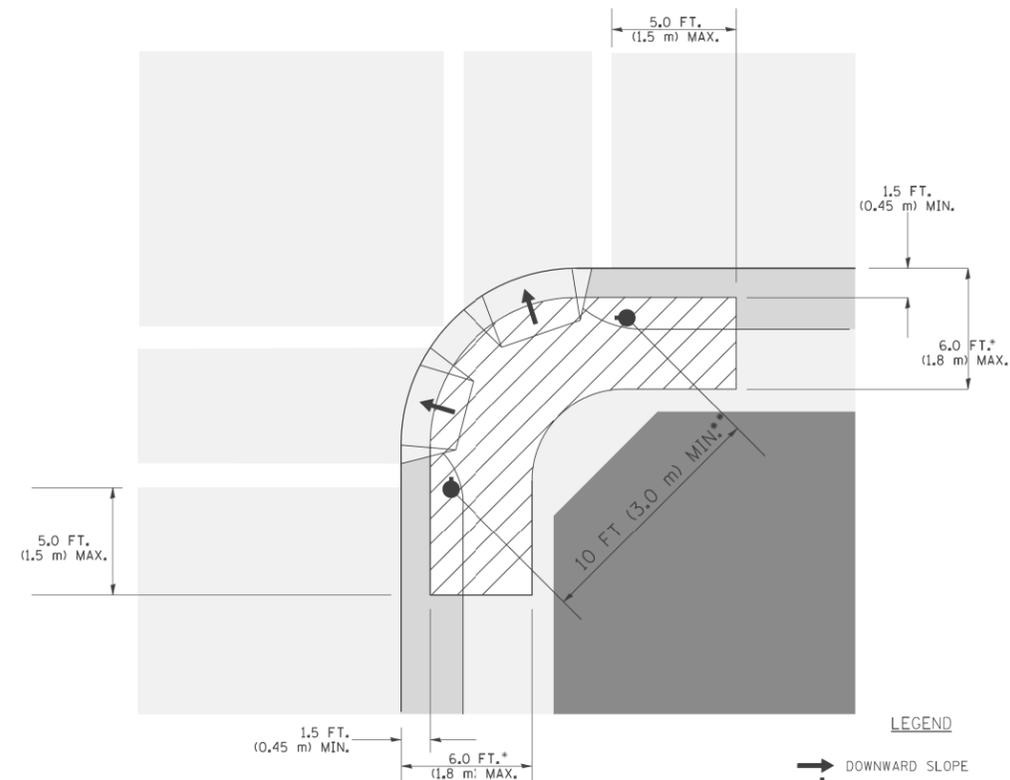
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- /// RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

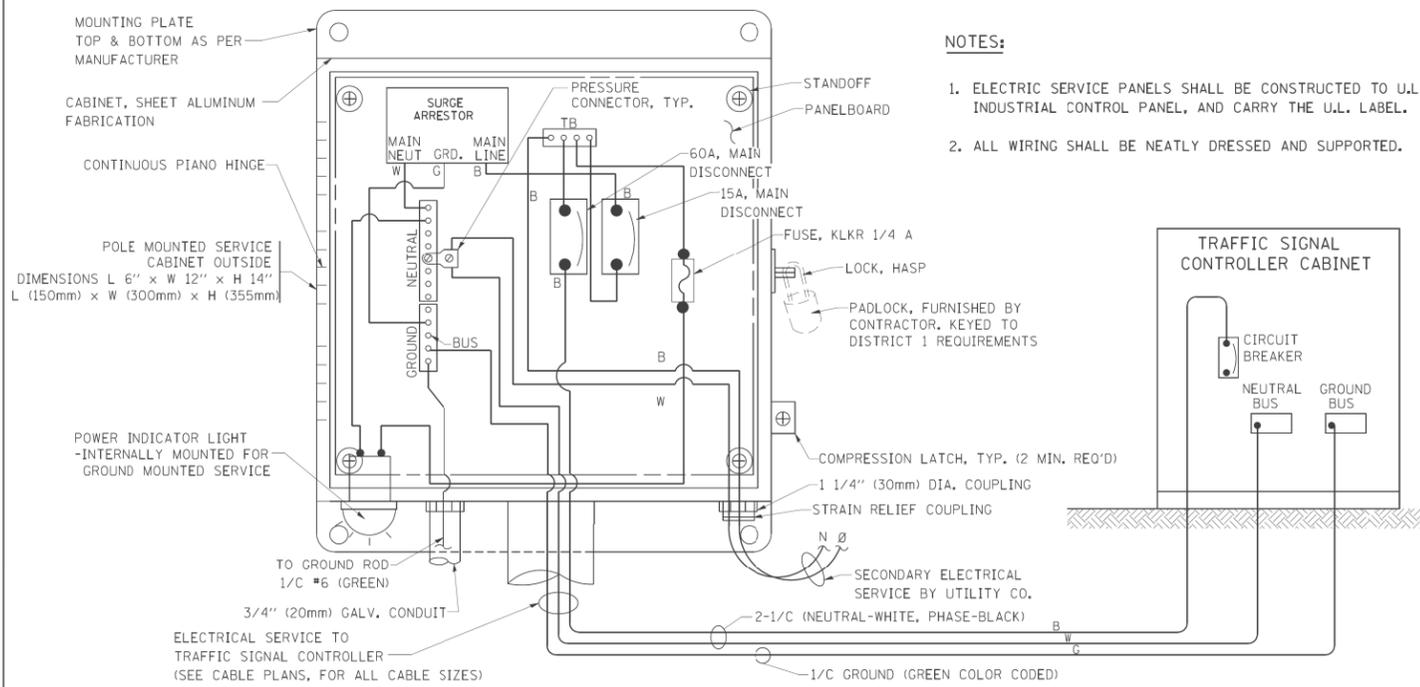
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

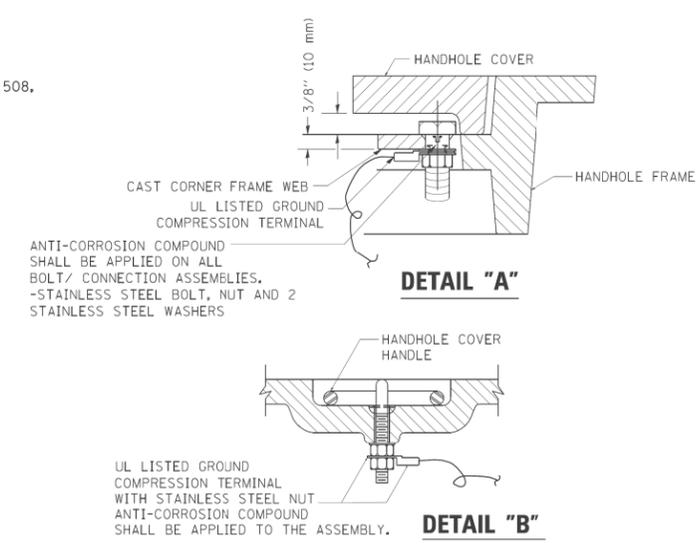
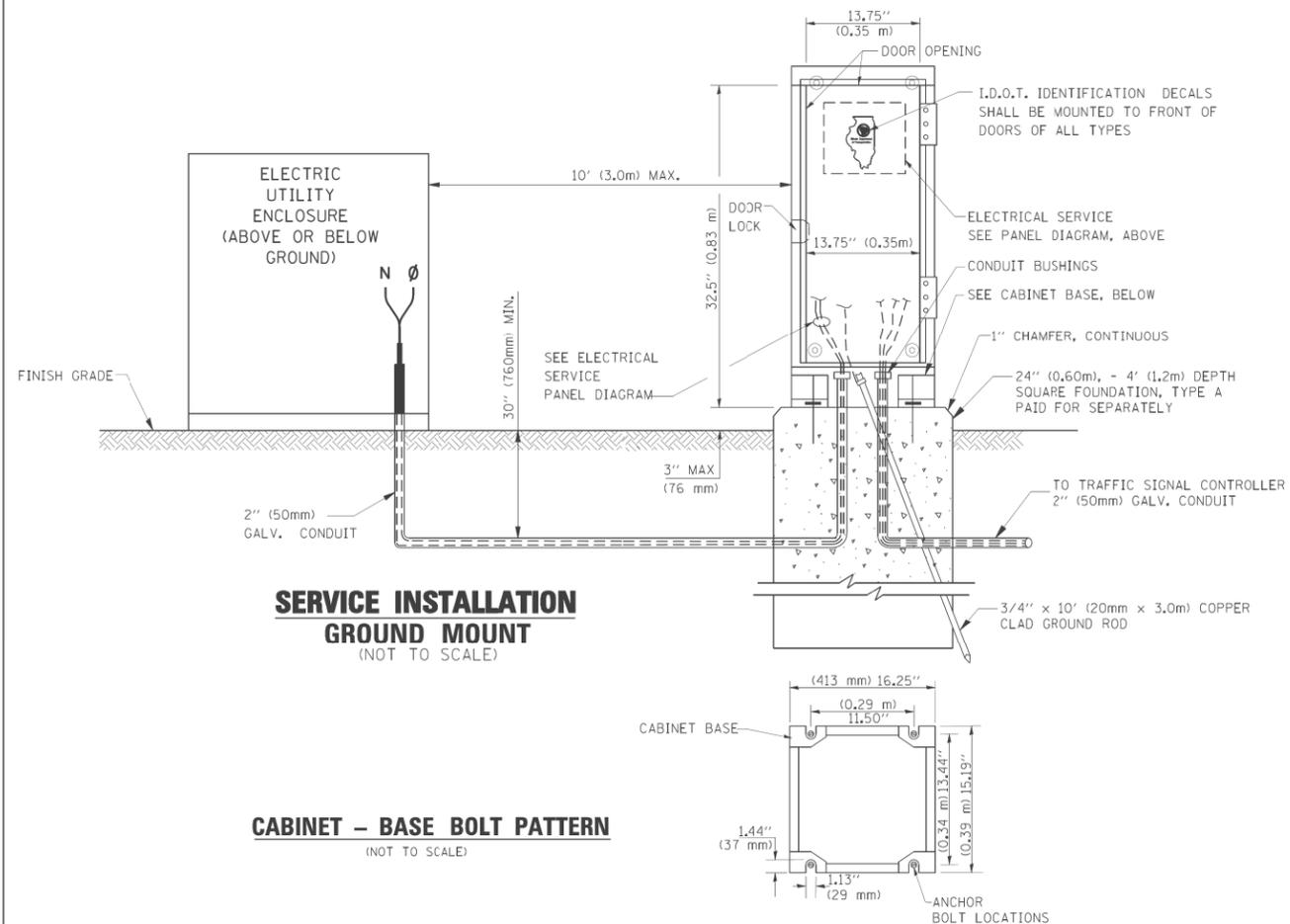
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

**NOTES:**

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



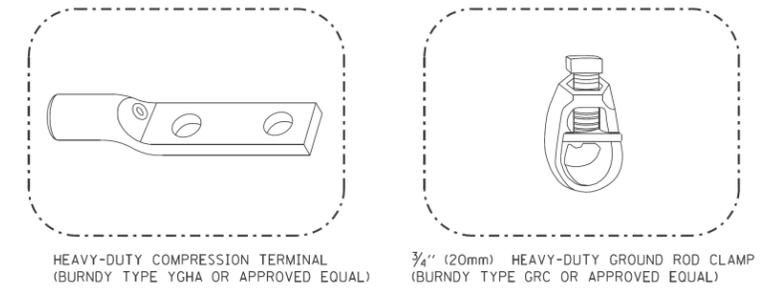
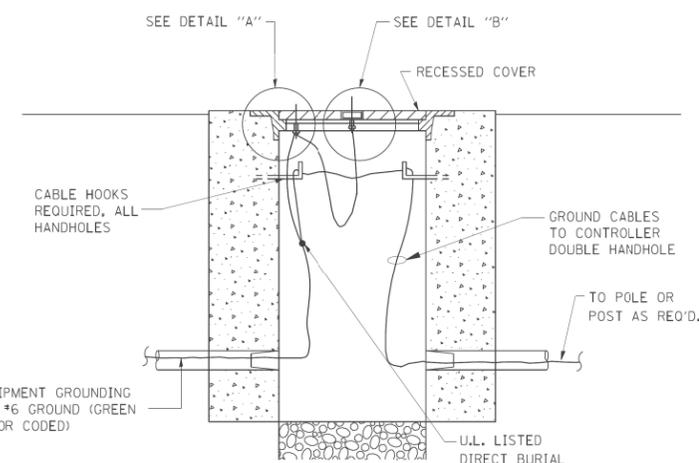
**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



**NOTES:**

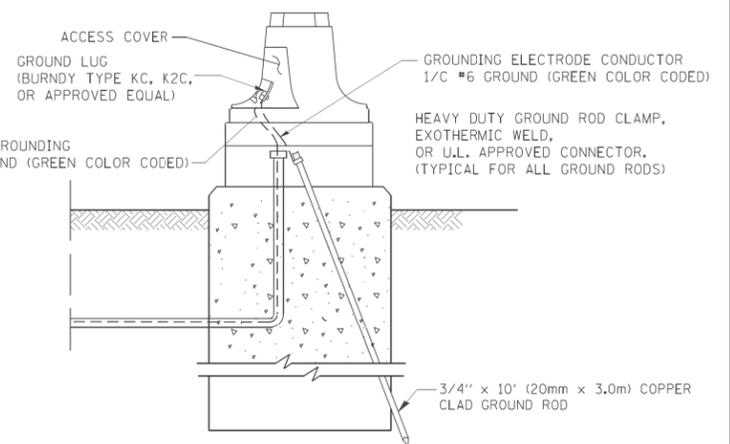
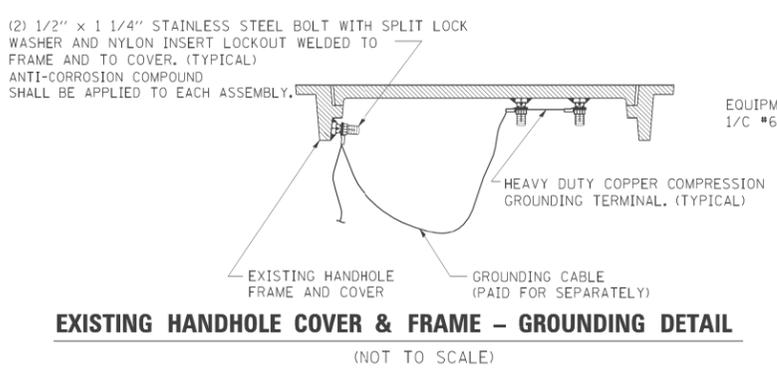
**GROUNDING SYSTEM**

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

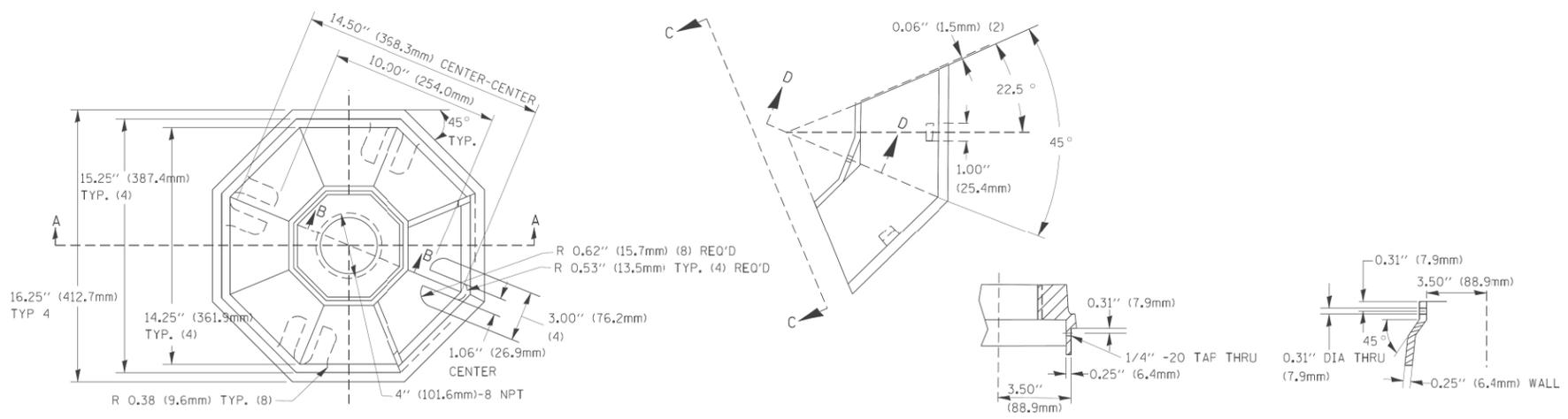


**NOTES:**

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



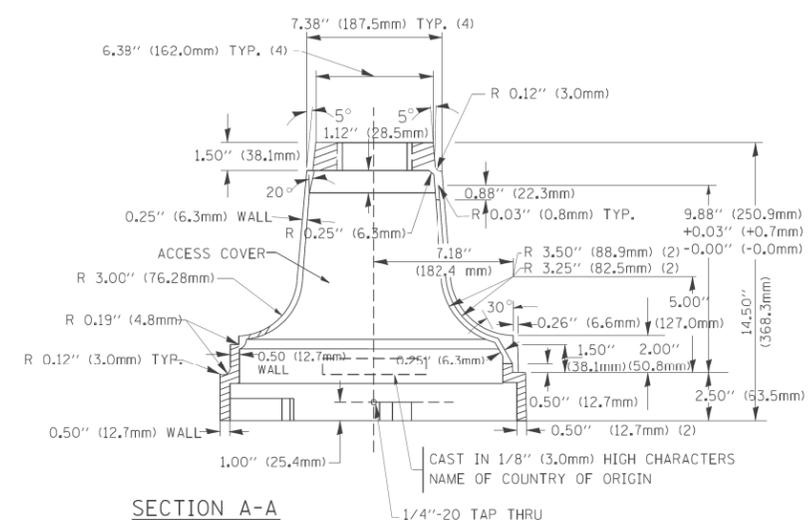
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et:\pwwork\pwi001\BAUERDL\d0108315\ts05.dgn	DRAWN - BCK	REVISED -	330			103R-3	COOK	932	454	
PLOT SCALE = 50,0000' / IN.	CHECKED - DAD	REVISED -	<b>TS-05</b>			CONTRACT NO. 60F05				
PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
					SCALE: NONE	SHEET NO. 3 OF 6 SHEETS	STA. TO STA.			



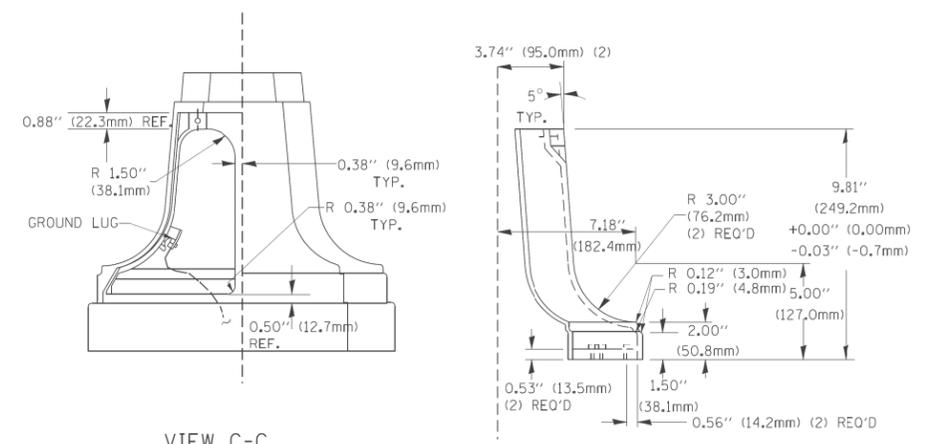
TOP VIEW

SECTION B-B

SECTION D-D

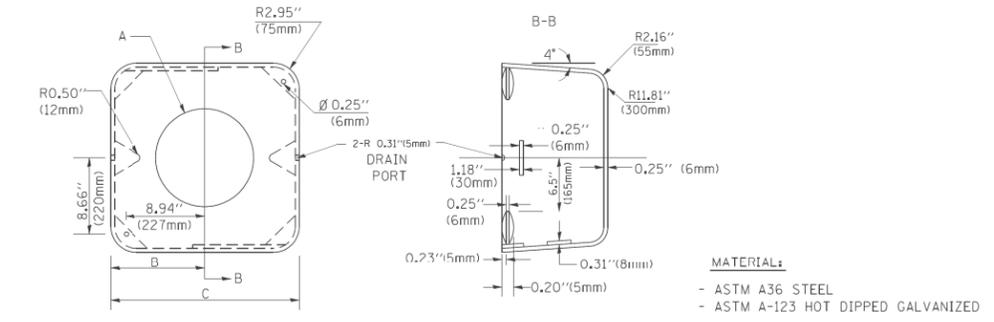


SECTION A-A



VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



SHROUD

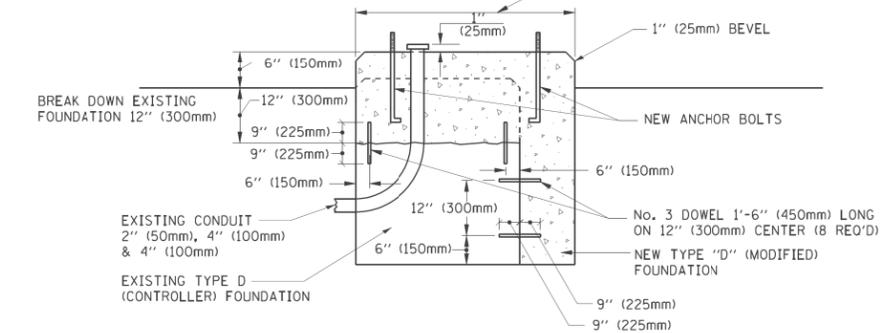
A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\" (241mm)	19\" (483mm)	7\" (178mm) - 12\" (300mm)	53 lbs (24kg)
VARIABLES	10.75\" (273mm)	21.5\" (546mm)	7\" (178mm) - 12\" (300mm)	68 lbs (31 kg)
VARIABLES	13.0\" (330mm)	26\" (660mm)	7\" (178mm) - 12\" (300mm)	81 lbs (37 kg)
VARIABLES	18.5\" (470mm)	37\" (940mm)	7\"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

NOTES:

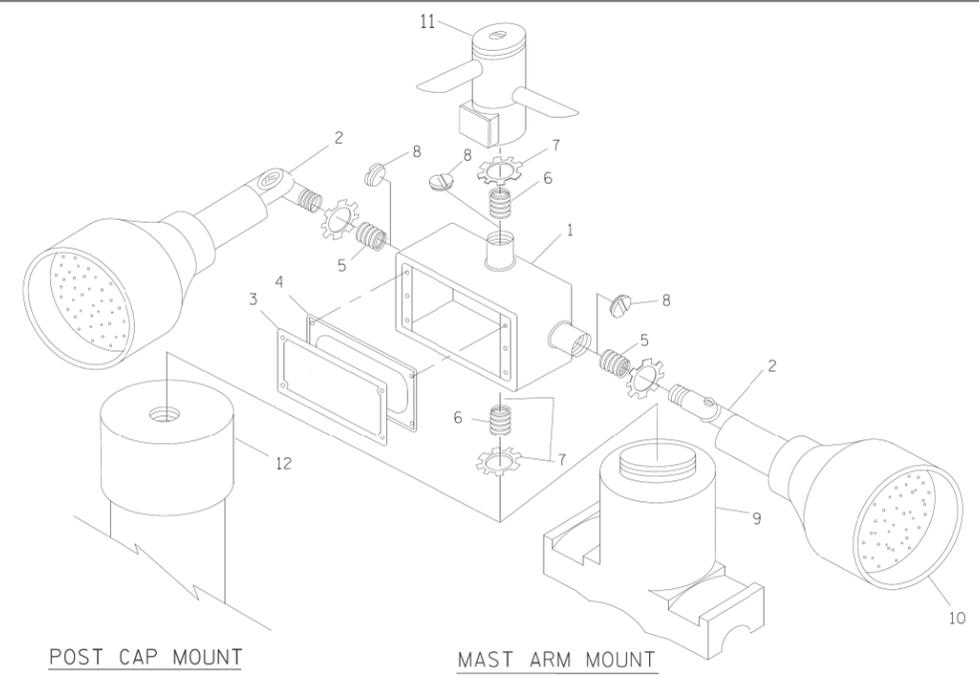
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

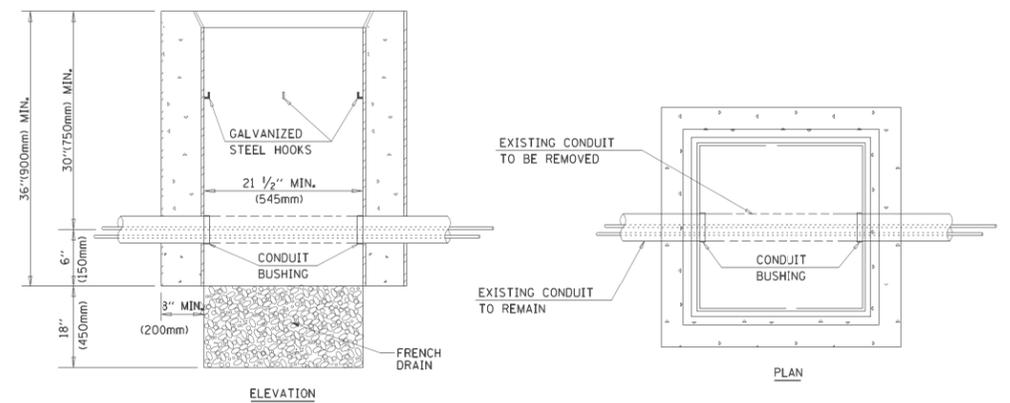
MAST ARM MOUNT

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:

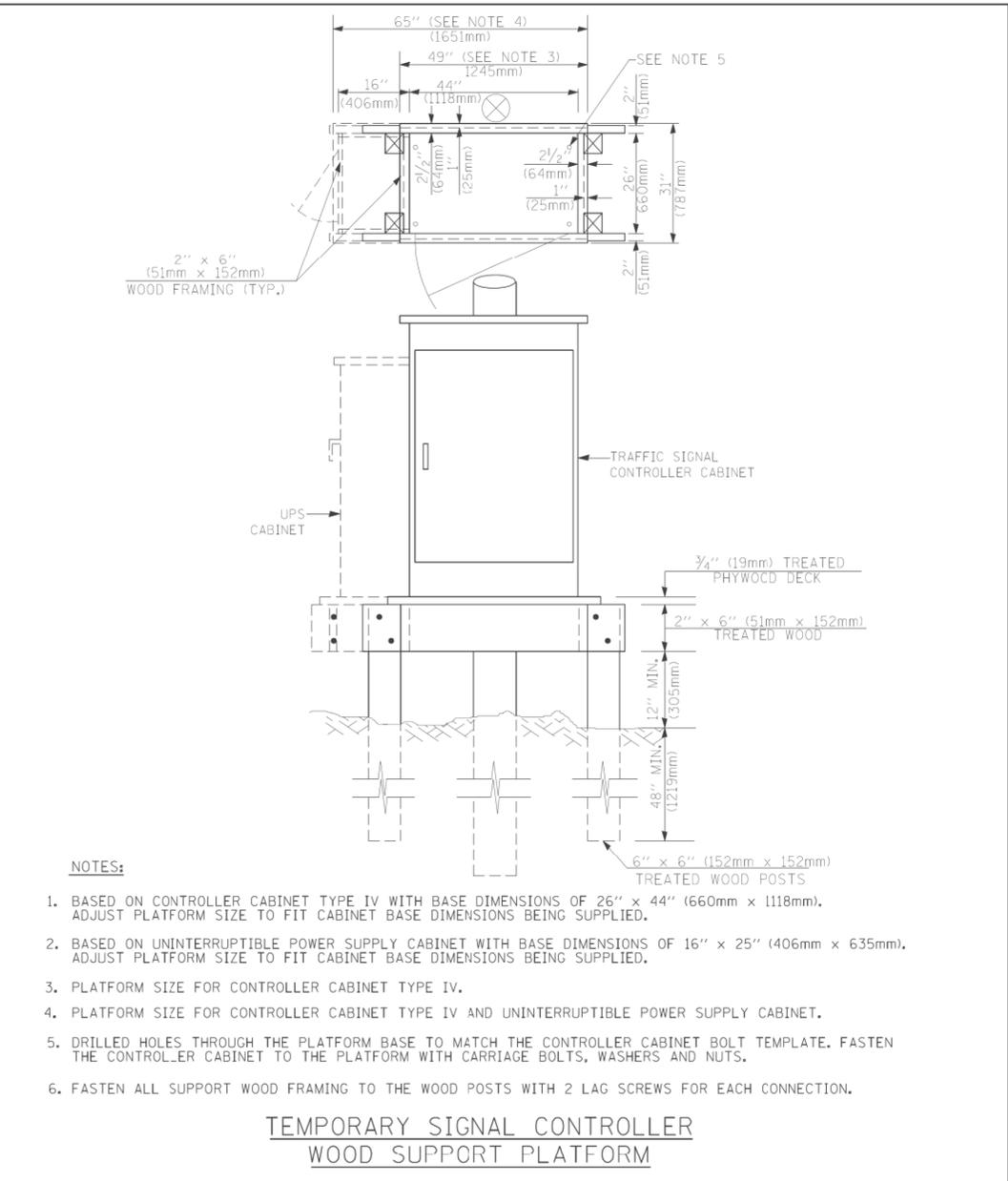
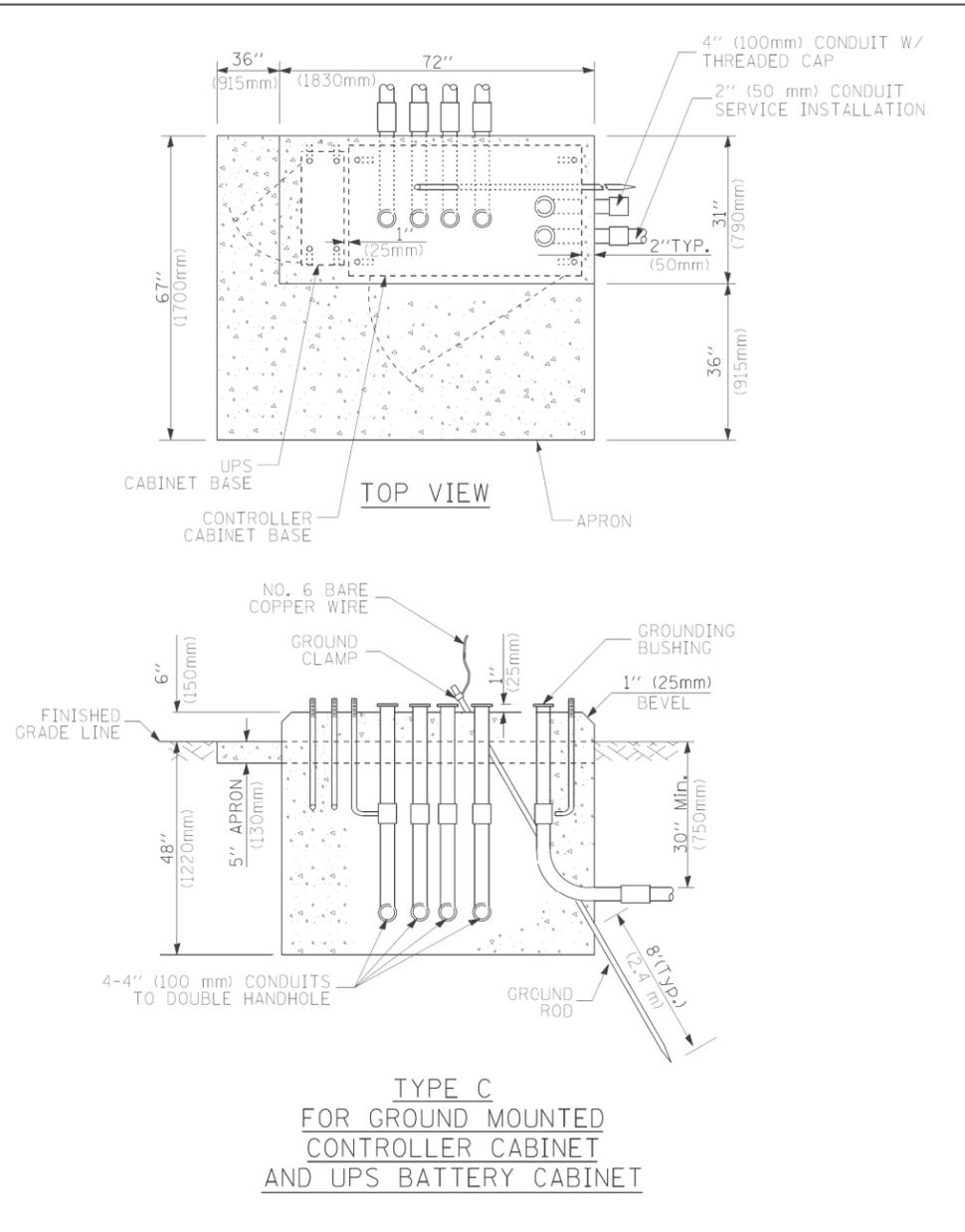
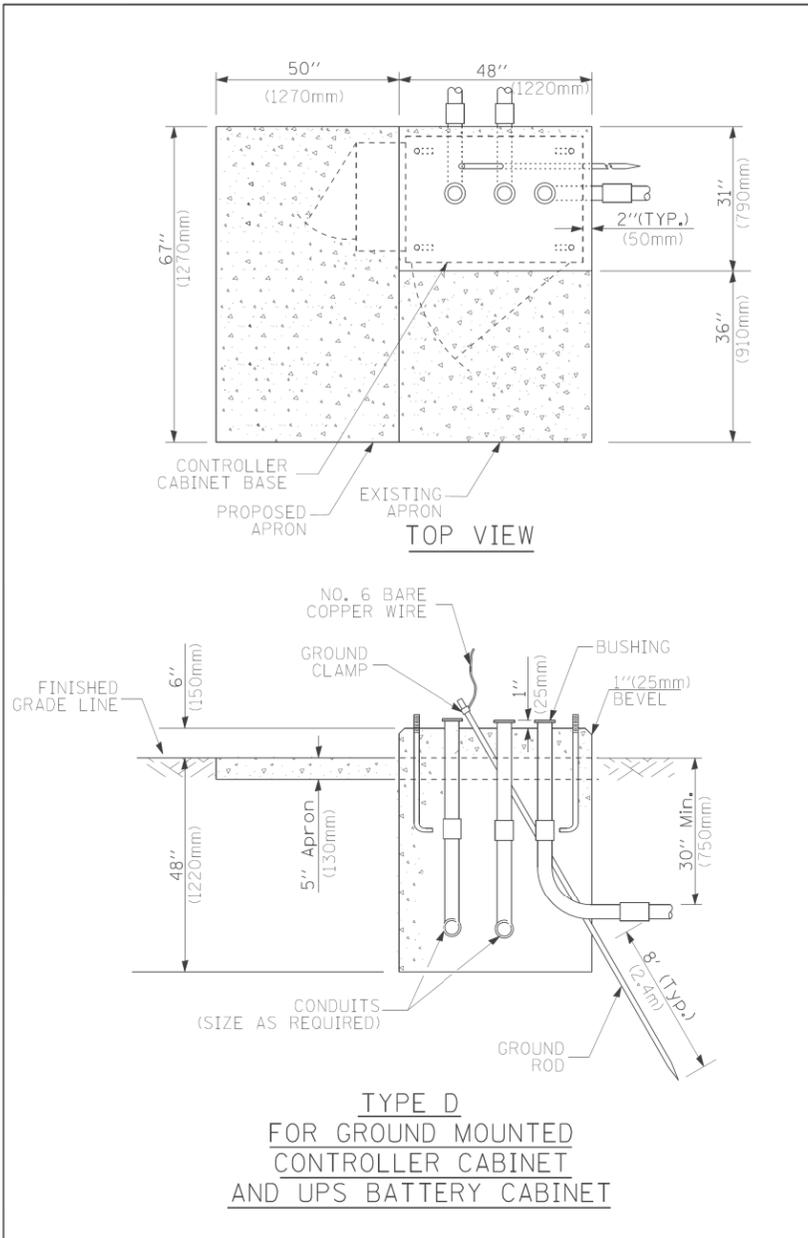
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT



- 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.

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

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

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

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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up 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.

**CABLE SLACK**

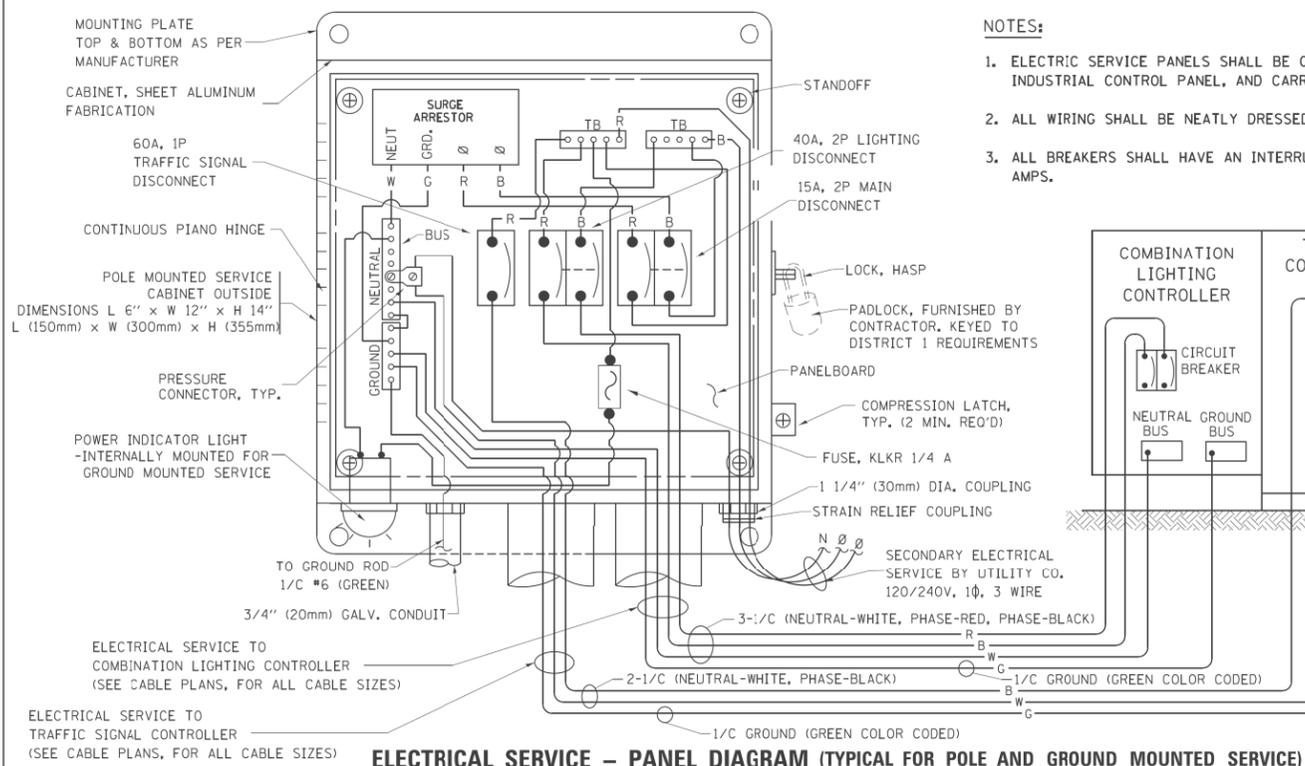
**VERTICAL CABLE LENGTH**

**DEPTH OF FOUNDATION**

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

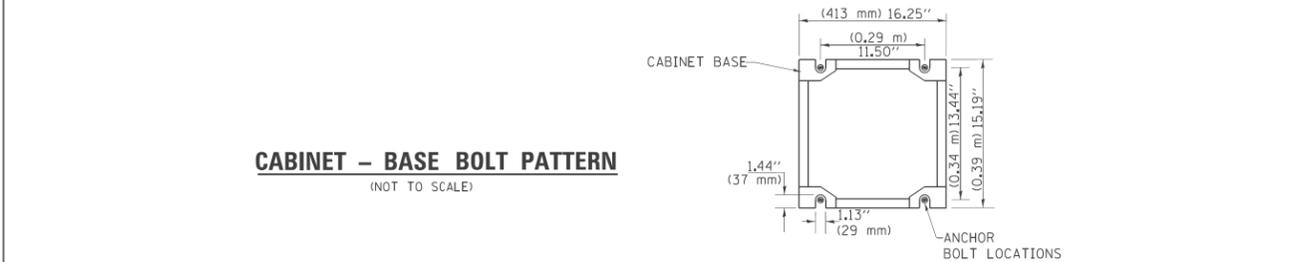
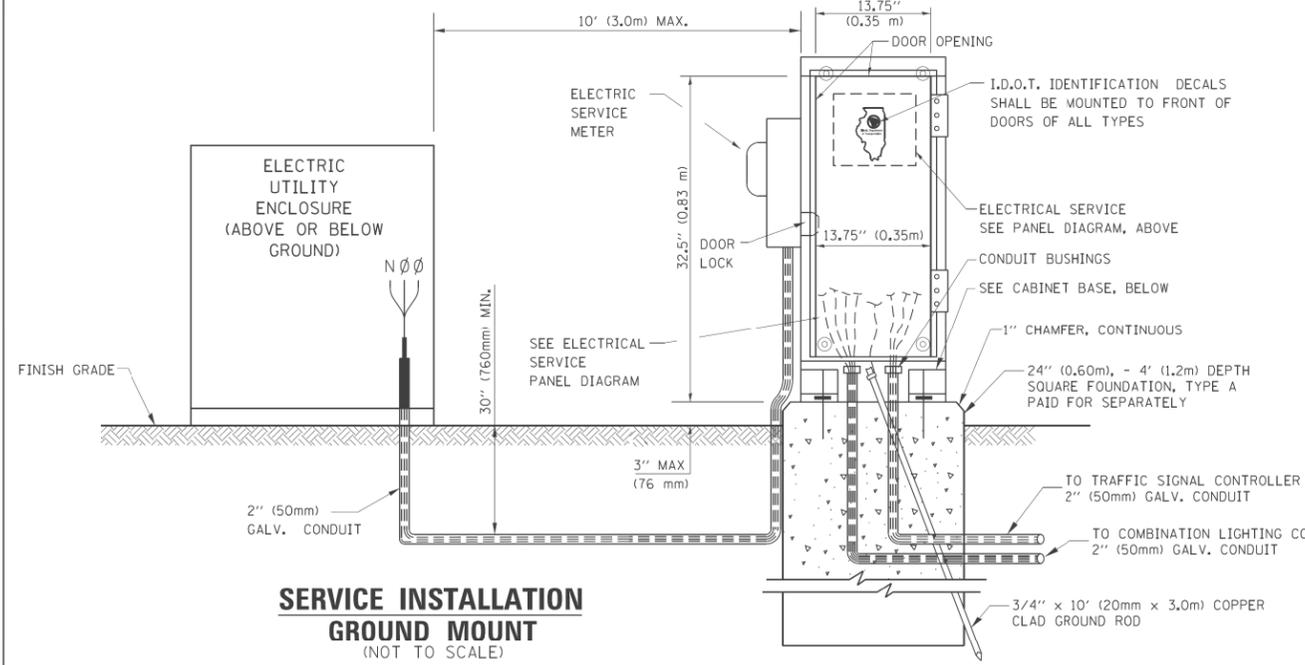
# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM21F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH			CT	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC	CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				<b>RAILROAD SYMBOLS</b>			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				RAILROAD CONTROL CABINET			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT				FLASHING SIGNAL			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER				CROSSING GATE			
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSBUCK			
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

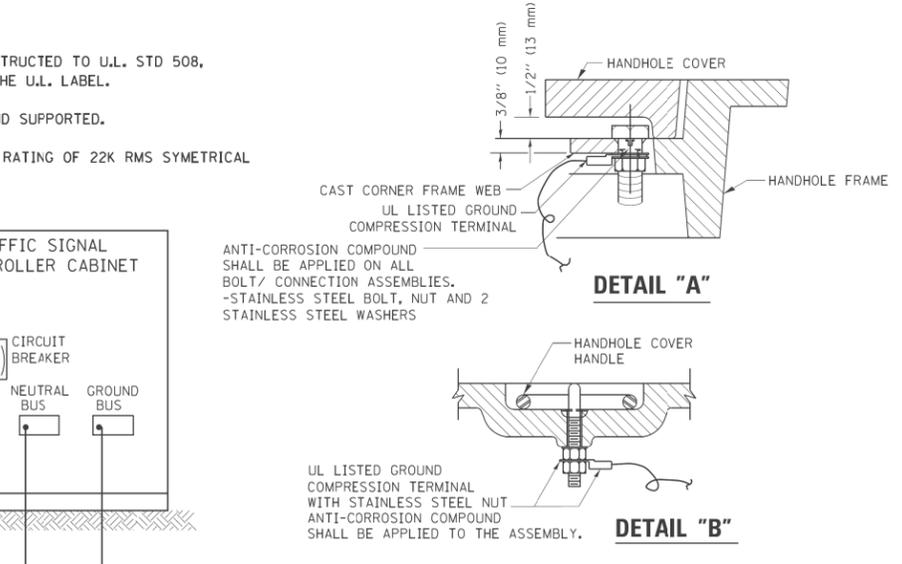


- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
  2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
  3. ALL BREAKERS SHALL HAVE AN INTERRUPT RATING OF 22K RMS SYMMETRICAL AMPS.

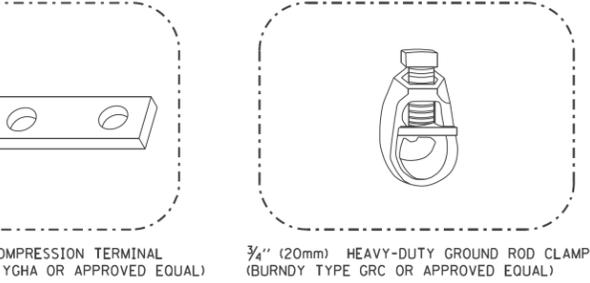
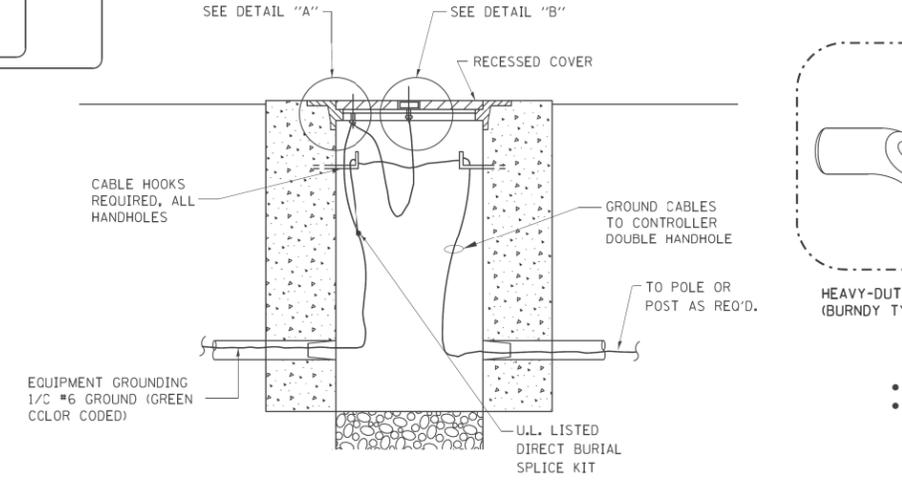
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
(NOT TO SCALE)



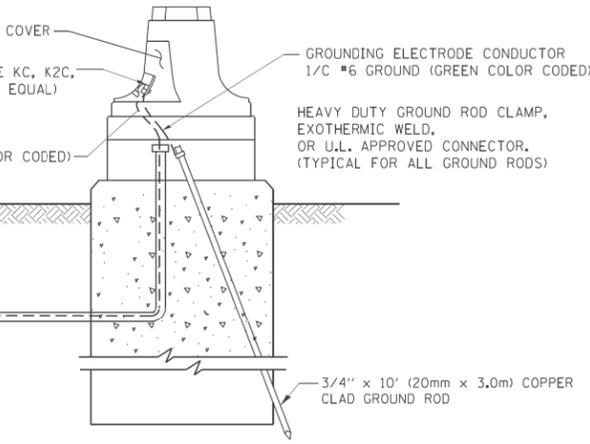
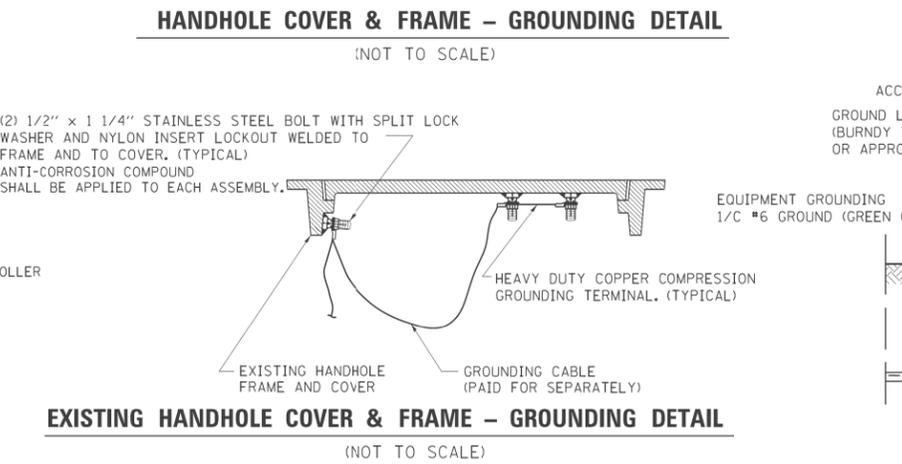
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PLOT SCALE = 999.9980' / in.		CHECKED - DAD	REVISED -
PLOT DATE = 9/20/2011		DATE - 8/24/11	REVISED -



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



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



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1  
STANDARD COMBINATION LIGHTING DISCONNECT**

SCALE: SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	458
CONTRACT NO. 60F05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

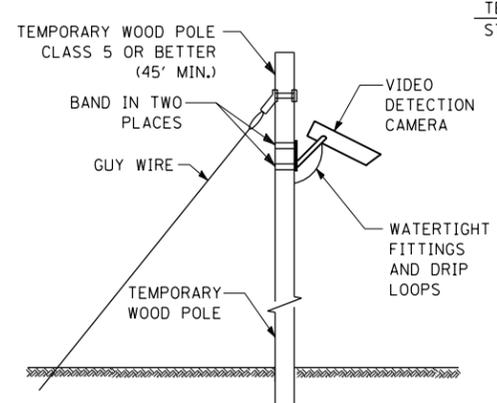
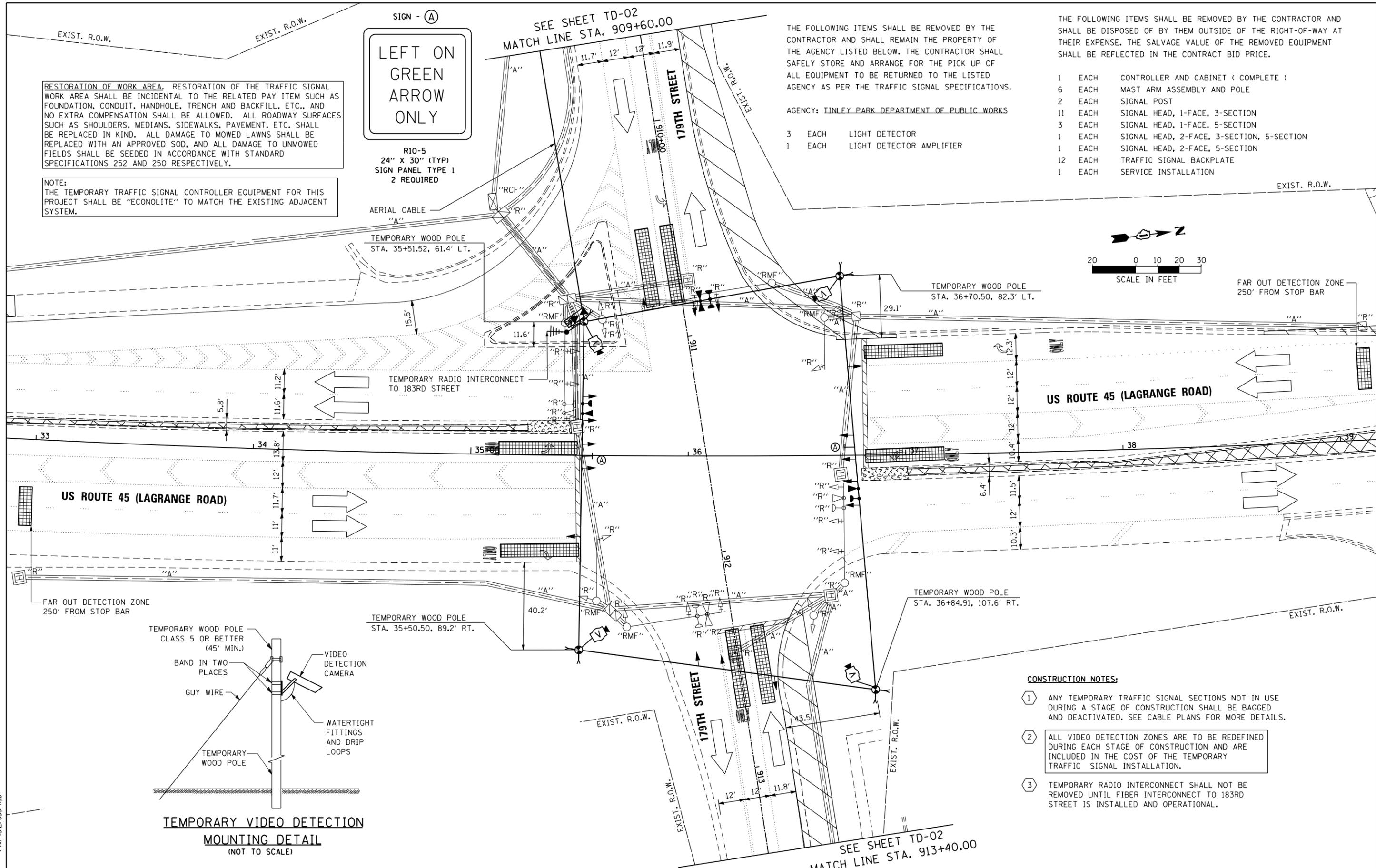
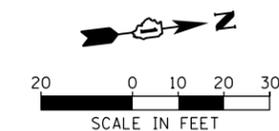
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: TINLEY PARK DEPARTMENT OF PUBLIC WORKS

- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

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

- 1 EACH CONTROLLER AND CABINET ( COMPLETE )
- 6 EACH MAST ARM ASSEMBLY AND POLE
- 2 EACH SIGNAL POST
- 11 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 3 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 3-SECTION, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 12 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH SERVICE INSTALLATION



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET IS INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME = D160F05-SHT-TD01.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

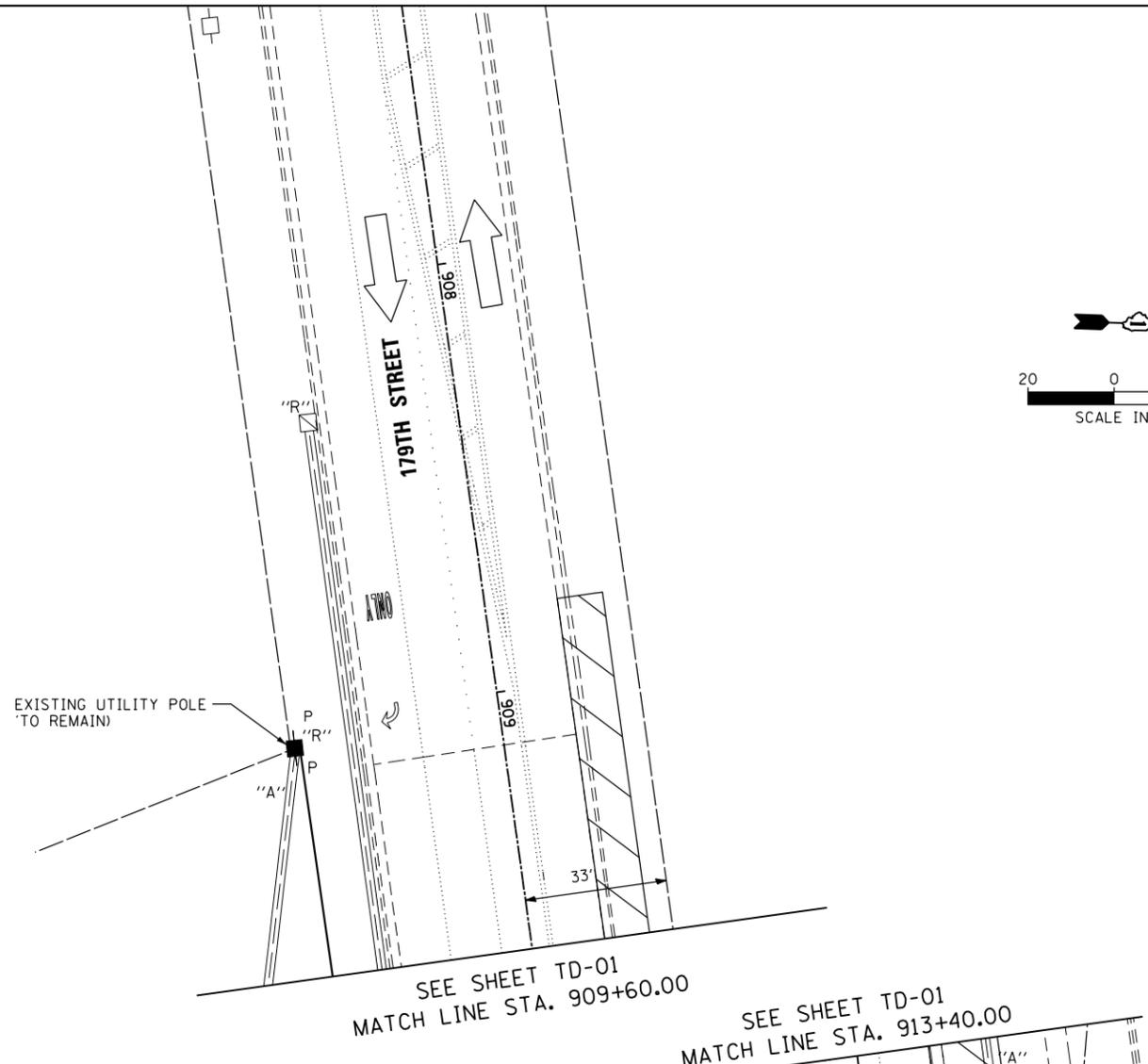
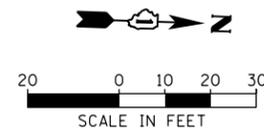
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - PRE-STAGE  
US 45 (LAGRANGE ROAD) AND 179TH STREET  
SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	460
<b>TD-01</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**NOTES FOR TEMPORARY TRAFFIC SIGNAL:**

1. ALL CONTROL EQUIPMENT SUCH AS COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.

**CONTINUATION OF THE NOTES FOR TEMPORARY TRAFFIC SIGNAL:**

5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENT AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

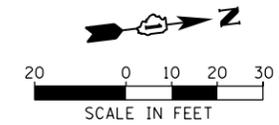
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		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING  
TRAFFIC SIGNAL EQUIPMENT PLAN - PRE-STAGE  
US 45 (LAGRANGE ROAD) AND 179TH STREET**

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	461
<b>TD-02</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



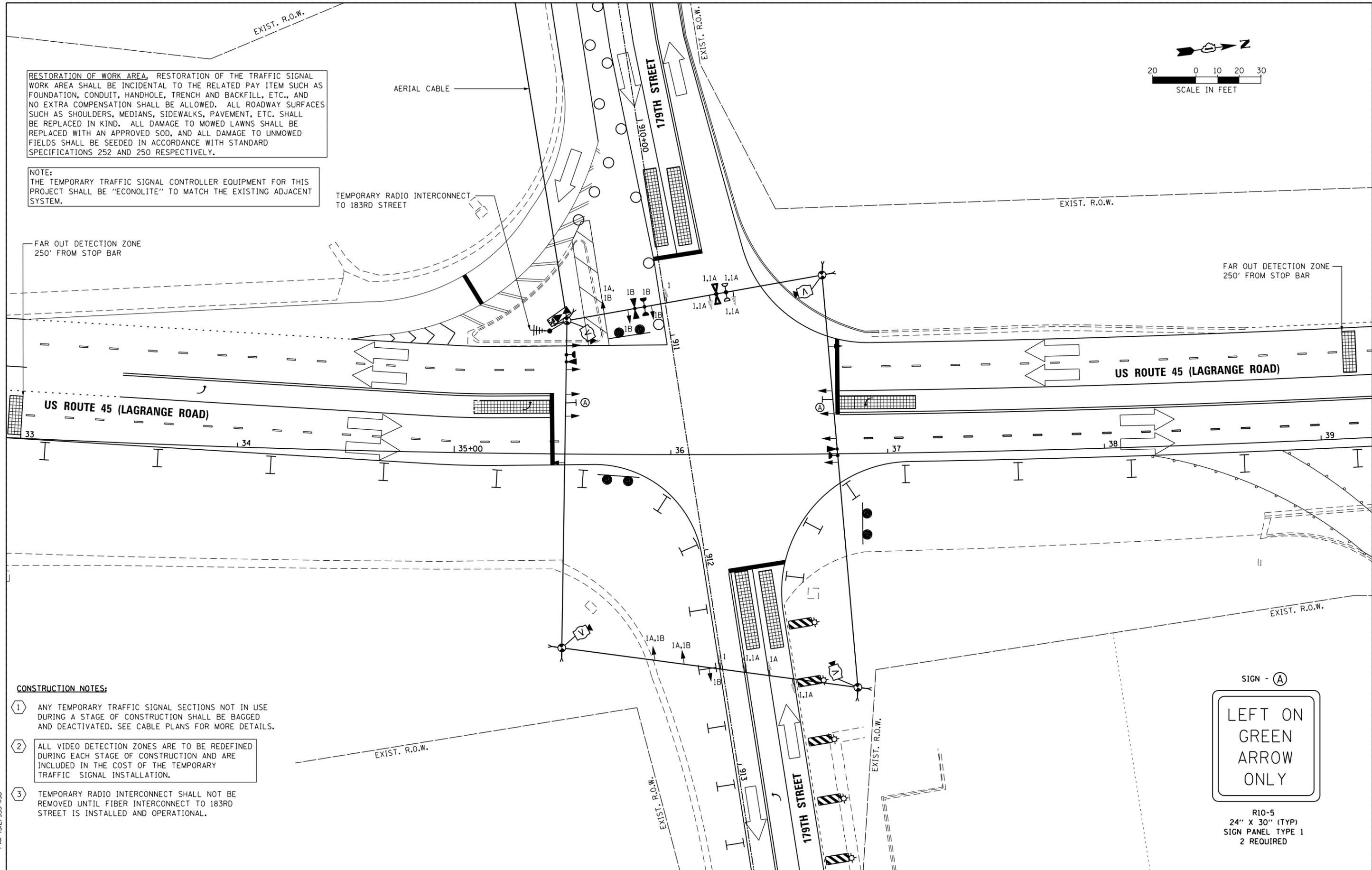
**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC.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

**NOTE:**  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TEMPORARY RADIO INTERCONNECT TO 183RD STREET

FAR OUT DETECTION ZONE  
250' FROM STOP BAR

FAR OUT DETECTION ZONE  
250' FROM STOP BAR



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET IS INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

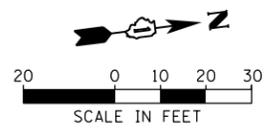
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		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 1  
US 45 (LAGRANGE ROAD) AND 179TH STREET**

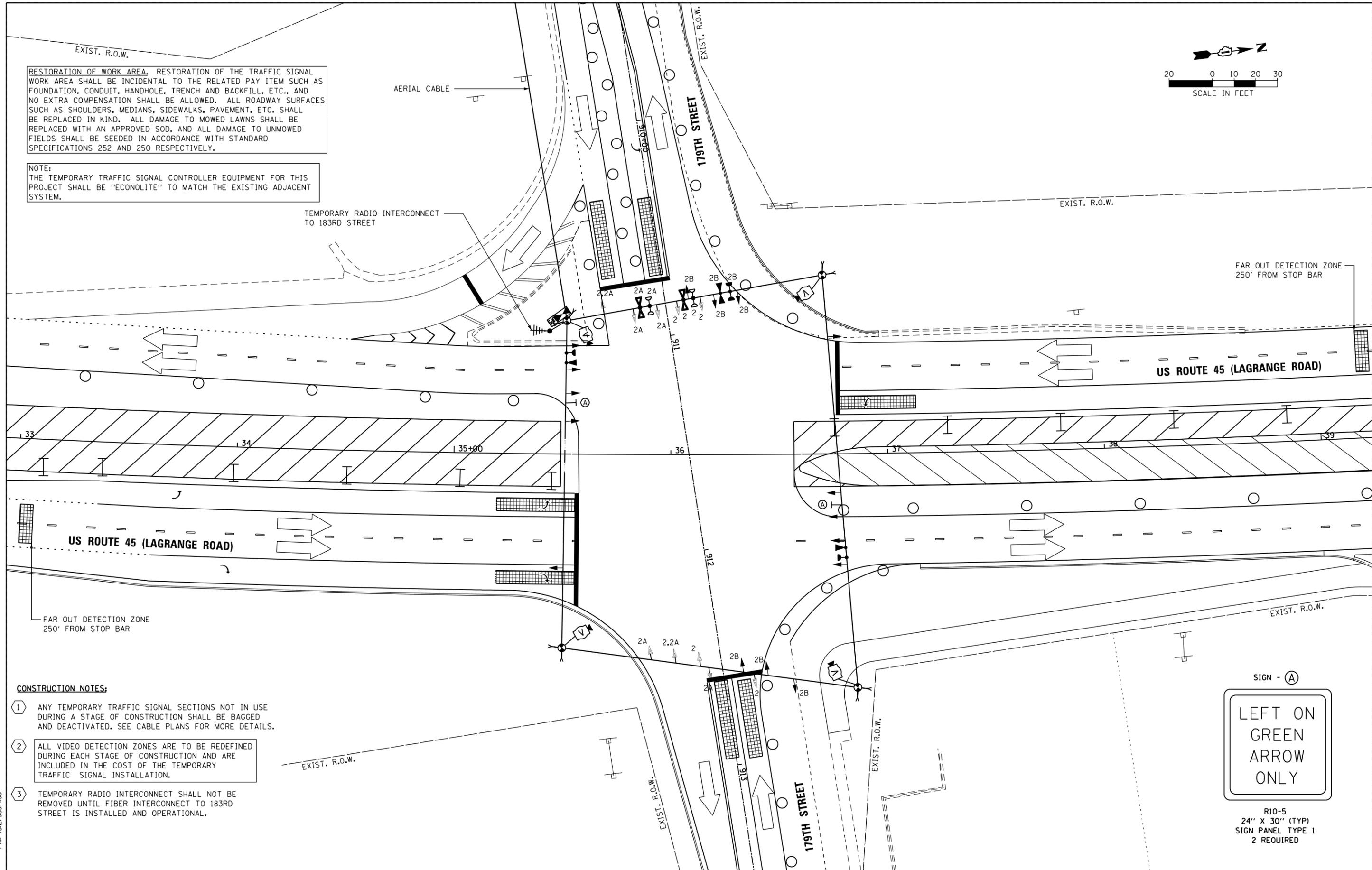
SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	462
<b>TD-03</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



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

**NOTE:**  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET IS INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

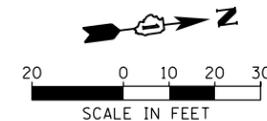
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		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 2  
US 45 (LAGRANGE ROAD) AND 179TH STREET**

SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. TO STA.

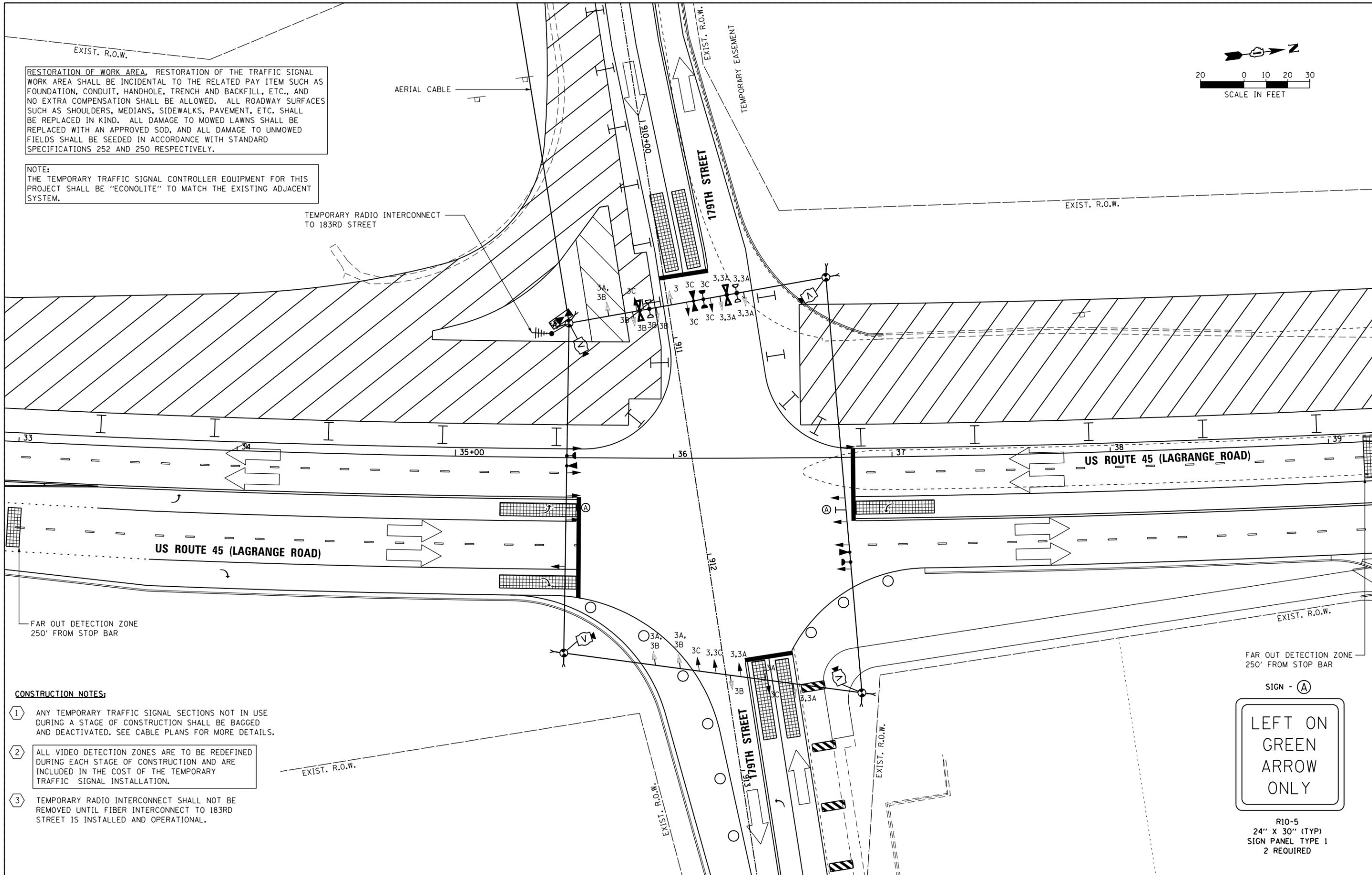
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	463
<b>TD-04</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TEMPORARY RADIO INTERCONNECT TO 183RD STREET



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET IS INSTALLED AND OPERATIONAL.

FAR OUT DETECTION ZONE  
250' FROM STOP BAR



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

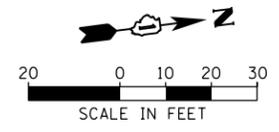
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		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 3  
US 45 (LAGRANGE ROAD) AND 179TH STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	464
<b>TD-05</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TEMPORARY RADIO INTERCONNECT TO 183RD STREET

FAR OUT DETECTION ZONE  
250' FROM STOP BAR

US ROUTE 45 (LAGRANGE ROAD)

US ROUTE 45 (LAGRANGE ROAD)

FAR OUT DETECTION ZONE  
250' FROM STOP BAR

**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET IS INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 10TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

FILE NAME = D160F05-SHT-TD06.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

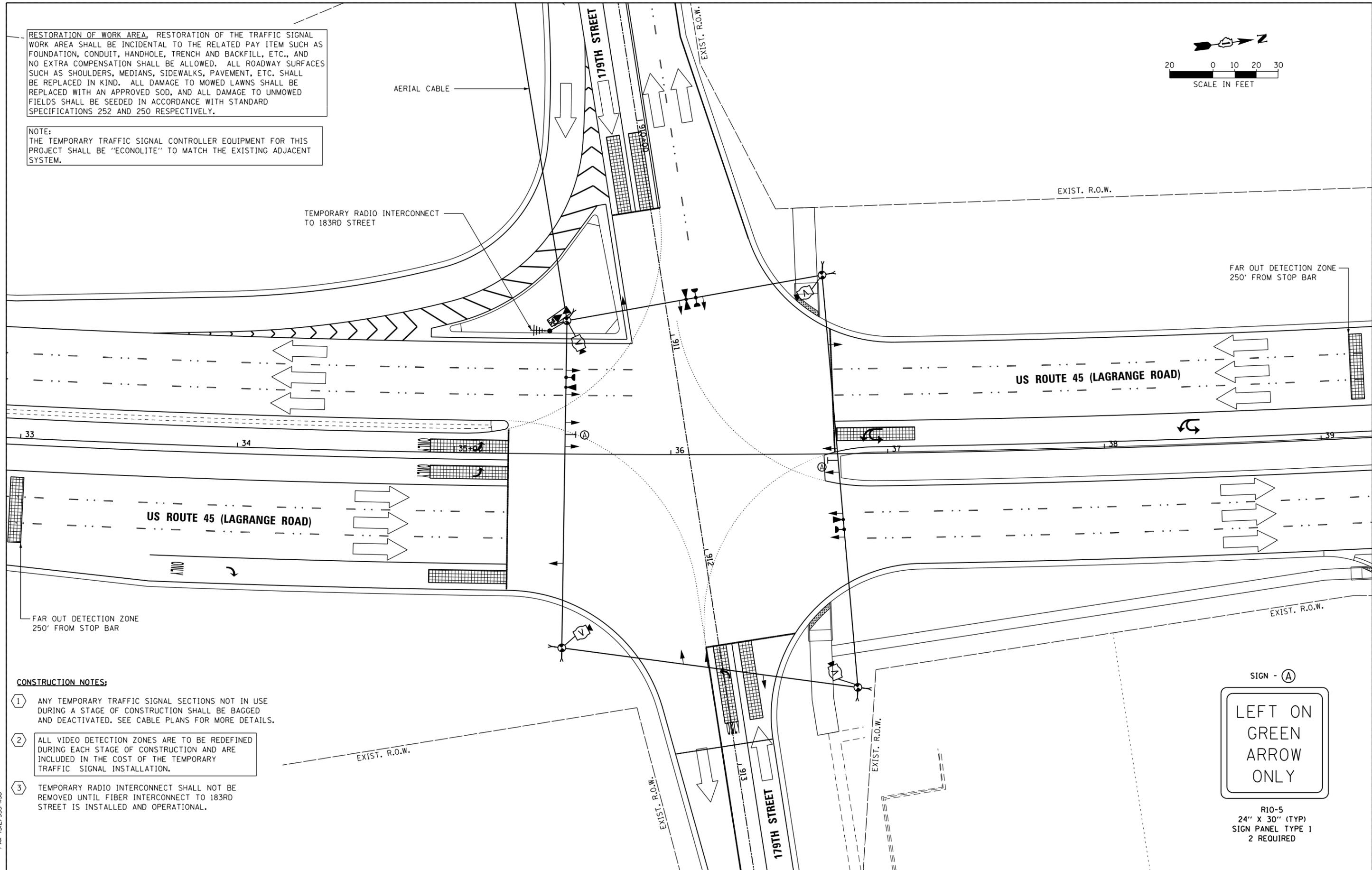
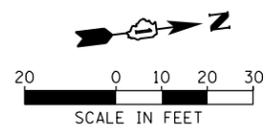
**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 4  
US 45 (LAGRANGE ROAD) AND 179TH STREET**

SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 465
<b>TD-06</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET IS INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

FILE NAME = D160F05-SHT-TD07.dgn	USER NAME = Frank_Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

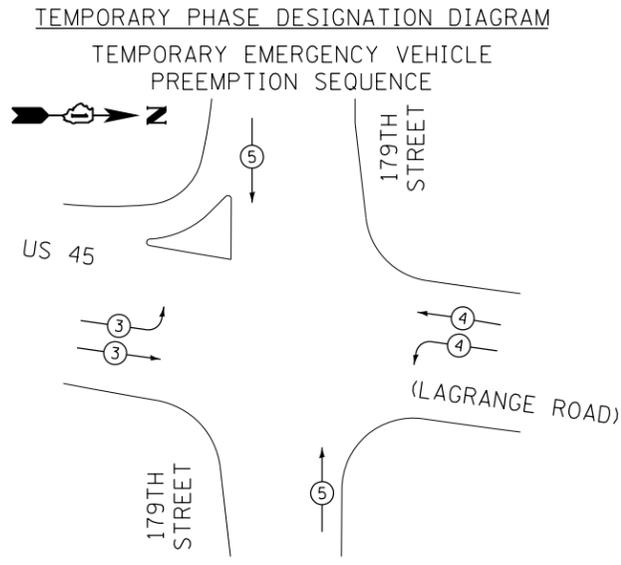
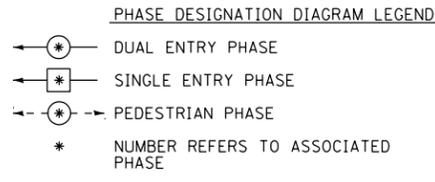
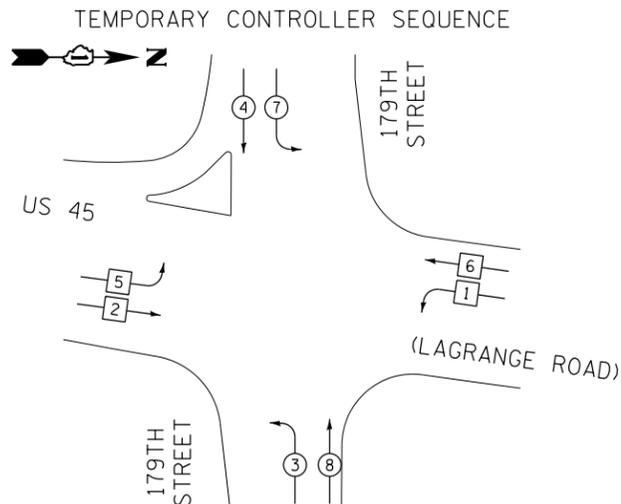
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - FINAL GEOMETRICS  
US 45 (LAGRANGE ROAD) AND 179TH STREET**

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

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 466
<b>TD-07</b>			CONTRACT NO. 60F05	

ILLINOIS FED. AID PROJECT



TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	18	17		0.50	153.0
(YELLOW)	18	25		0.25	112.5
(GREEN)	18	15		0.25	67.5
ARROW	8	12		0.10	9.6
PED. SIGNAL	--	25		1.00	0.0
CONTROLLER	1	100		1.00	100.0
ILLUM. SIGN	--	25		0.05	0.0
VIDEO SYSTEM	1	150		1.00	150.0
FLASHER		25		0.50	
ENERGY COST TO:	50% I.D.O.T.				TOTAL = 592.6
	50% Village of Tinley Park				

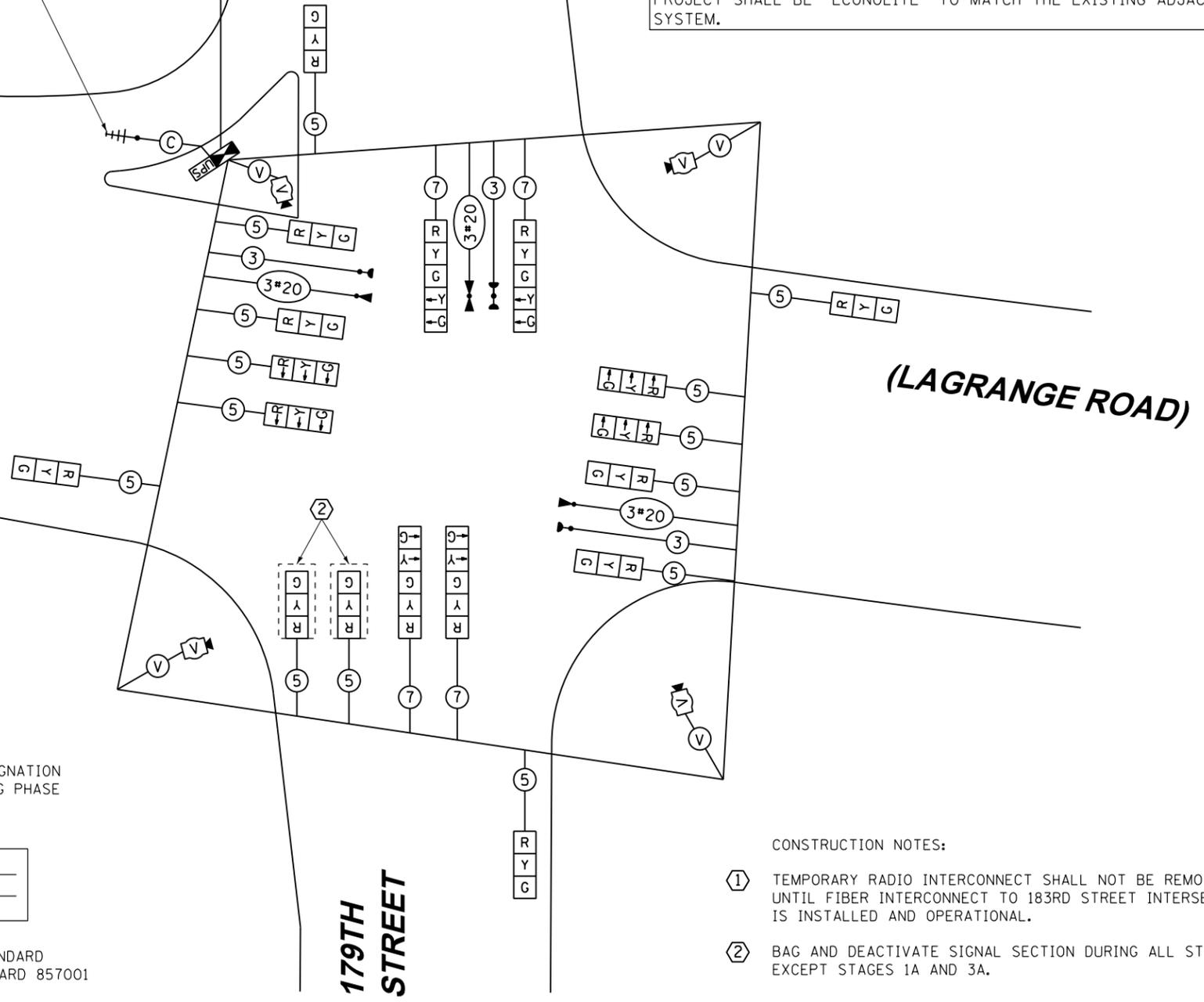
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 VILLAGE OF TINLEY PARK  
 16250 S. OAK PARK AVE. TINLEY PARK, IL 60477  
 ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
 PHONE: (708) 235-2337  
 COMPANY: COMMONWEALTH EDISON

TEMPORARY RADIO INTERCONNECT TO 183RD STREET

US ROUTE 45

179TH STREET

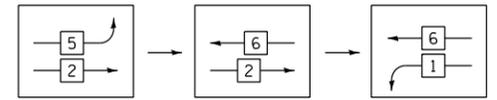
(LAGRANGE ROAD)



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

NOTE: THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FOR PHASES 1, 2, 5, & 6 IN THE PHASE DESIGNATION DIAGRAM SHOWN AT TOP LEFT, THE FOLLOWING PHASE SEQUENCE SHALL BE FOLLOWED FOR STAGE 2:



PHASES 3, 4, 7, & 8 SHALL FOLLOW THE STANDARD SEQUENCE IN ACCORDANCE WITH STATE STANDARD 857001

- CONSTRUCTION NOTES:
- TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET INTERSECTION IS INSTALLED AND OPERATIONAL.
  - BAG AND DEACTIVATE SIGNAL SECTION DURING ALL STAGES EXCEPT STAGES 1A AND 3A.

**TEMPORARY CABLE PLAN**  
**PRE-STAGE, STAGE 1, 1A, 1B, 2, 3, 3A, 3B, 3C, 4 & FINAL GEOMETRICS**

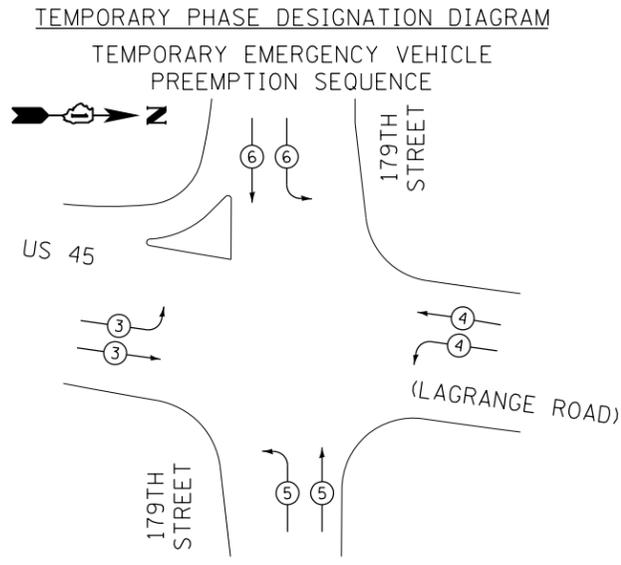
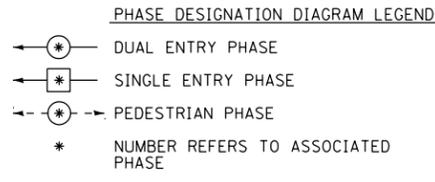
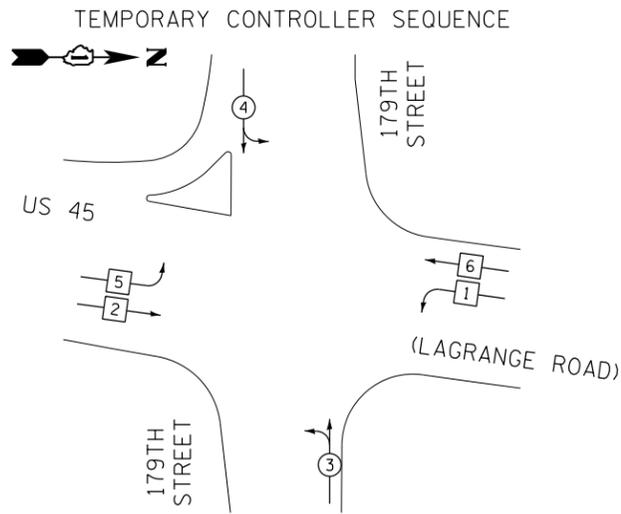
URS  
 100 S. WACKER DR.  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998

FILE NAME = D:\60F05-SHT-TD08.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISIONS
SHT.PLAN	PLOT SCALE = 48.0000' / in.	DRAWN - MRF	REVISIONS
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISIONS
		DATE - 03/13/13	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 US 45 (LAGRANGE ROAD) AND 179th STREET - PRE-STAGE, STAGE 1, 1A, 1B, 2, 3, 3A, 3B, 3C, 4 & FINAL GEOMETRICS  
 SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	467
TD-08		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



**TEMPORARY EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTORS	3	4	5	6
MOVEMENT	→	→	↗	↓

**I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	WATTAGE	INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17			0.50	136.0
(YELLOW)	16	25			0.25	100.0
(GREEN)	20	15			0.25	75.0
ARROW	--	12			0.10	0.0
PED. SIGNAL	--	25			1.00	0.0
CONTROLLER	1	100			1.00	100.0
ILLUM. SIGN	--	25			0.05	0.0
VIDEO SYSTEM	1	150			1.00	150.0
FLASHER		25			0.50	
ENERGY COST TO:	50% I.D.O.T.					TOTAL = 561.0
	50% Village of Tinley Park					

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 VILLAGE OF TINLEY PARK  
 16250 S. OAK PARK AVE. TINLEY PARK, IL 60477  
 ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
 PHONE: (708) 235-2337  
 COMPANY: COMMONWEALTH EDISON

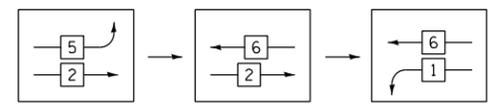
TEMPORARY RADIO INTERCONNECT TO 183RD STREET

US ROUTE 45

179TH STREET

(LAGRANGE ROAD)

FOR PHASES 1, 2, 5, & 6 IN THE PHASE DESIGNATION DIAGRAM SHOWN AT TOP LEFT, THE FOLLOWING PHASE SEQUENCE SHALL BE FOLLOWED:



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

NOTE: THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

- CONSTRUCTION NOTES:**
- ① TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 183RD STREET INTERSECTION IS INSTALLED AND OPERATIONAL.
  - ② BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 2A AND 2B.

**TEMPORARY CABLE PLAN  
STAGE 2A AND 2B**

URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

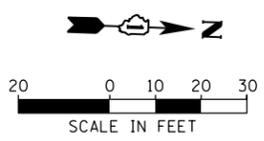
FILE NAME = D160F05-SHT-TD08B.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 48.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
 US 45 (LAGRANGE ROAD) AND 179th STREET - STAGE 2A AND 2B  
 SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	468
TD-08B			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE DRAWING TD-10  
MATCH LINE STA. 909+60.00

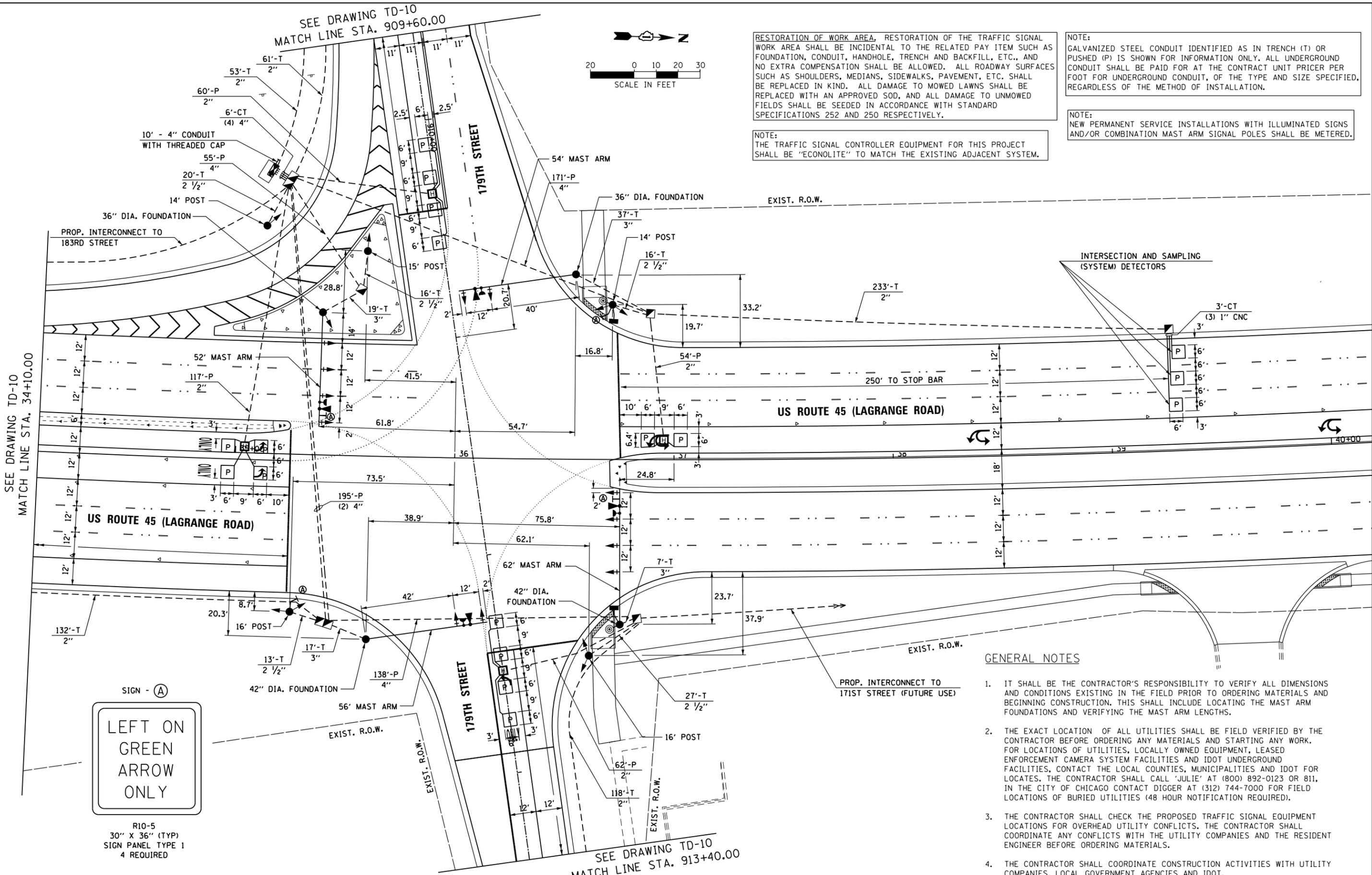


RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.

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

NOTE:  
NEW PERMANENT SERVICE INSTALLATIONS WITH ILLUMINATED SIGNS AND/OR COMBINATION MAST ARM SIGNAL POLES SHALL BE METERED.



**GENERAL NOTES**

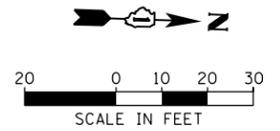
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



R10-5  
30" X 36" (TYP)  
SIGN PANEL TYPE 1  
4 REQUIRED

URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

FILE NAME = D160F05-SHT-TD09.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL INSTALLATION PLAN US 45 (LAGRANGE ROAD) AND 179TH STREET</b>	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 469	
PLOT SCALE = 48.0000' / in.	CHECKED - MJL	REVISED -	SCALE: 1"=20'			SHEET 1 OF 2 SHEETS	STA. TO STA.	<b>TD-09</b>		CONTRACT NO. 60F05	
PLOT DATE = 3/14/2013	DATE = 03/13/13	REVISED -				ILLINOIS FED. AID PROJECT					

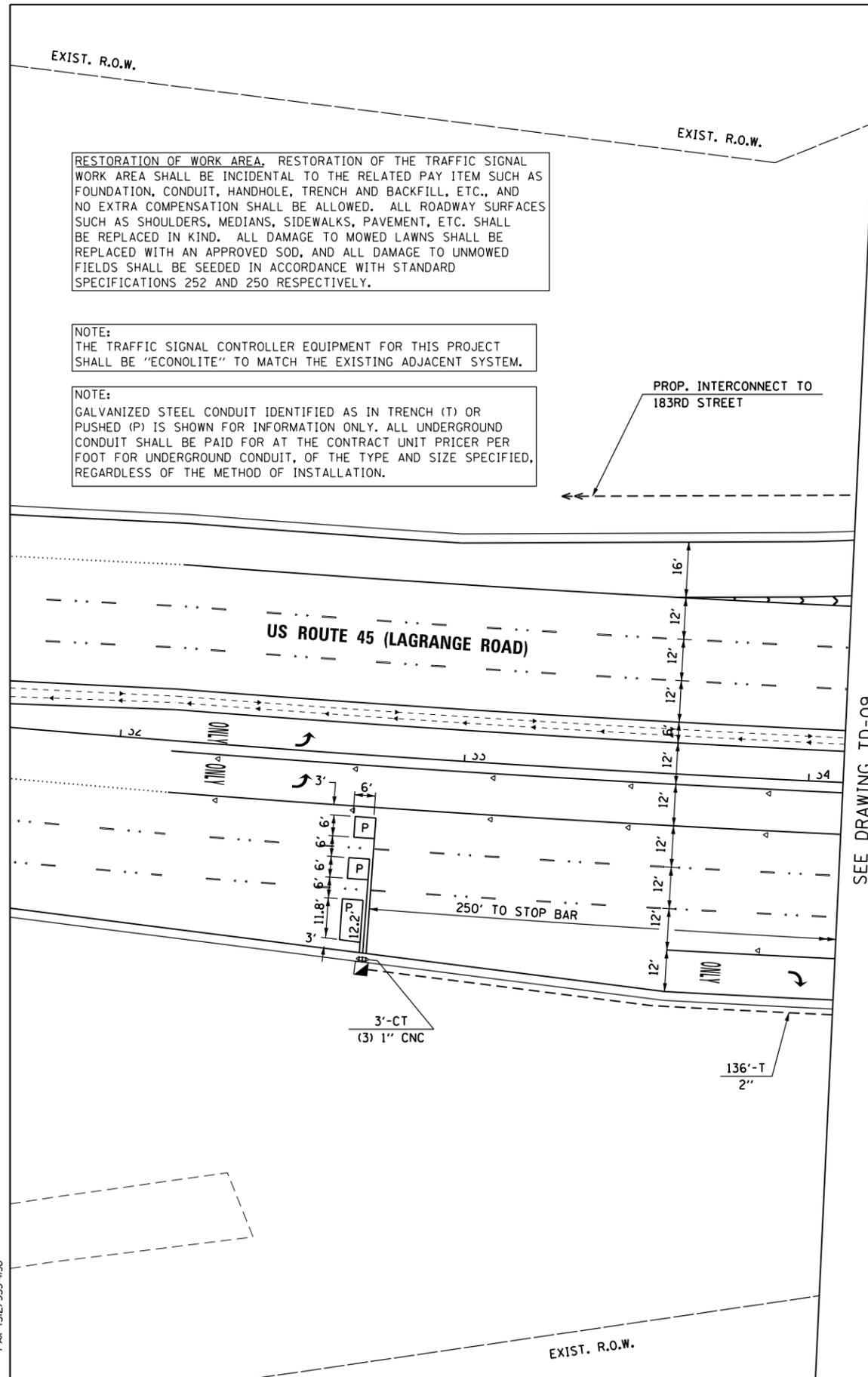


RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

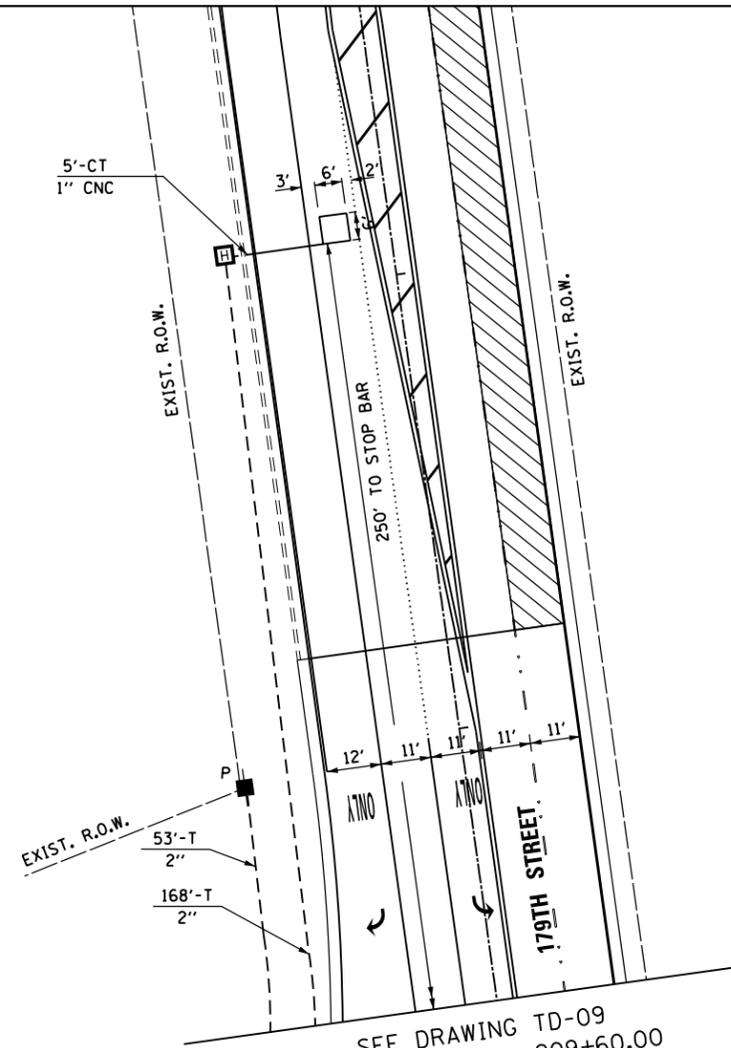
NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.

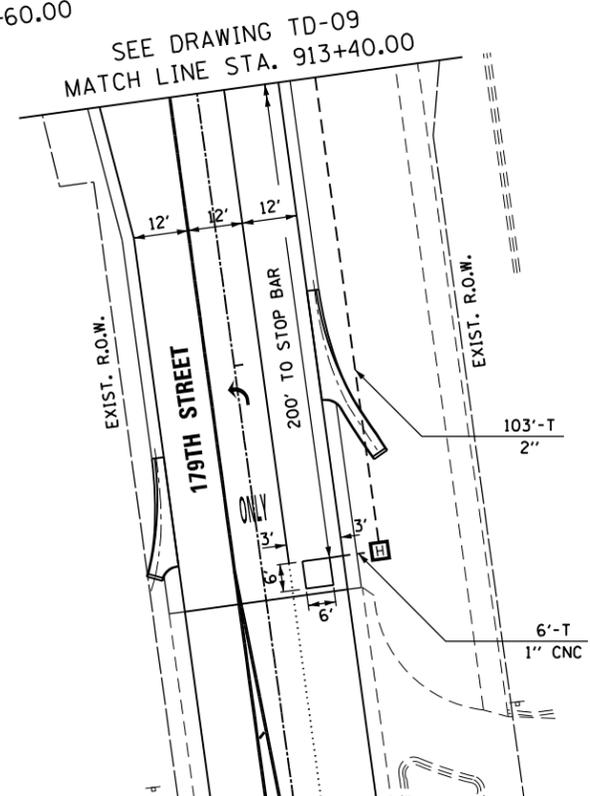
PROP. INTERCONNECT TO 183RD STREET



SEE DRAWING TD-09  
MATCH LINE STA. 34+10.00



SEE DRAWING TD-09  
MATCH LINE STA. 909+60.00



SEE DRAWING TD-09  
MATCH LINE STA. 913+40.00

**GENERAL NOTES**

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

**URS**  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

FILE NAME = D160F05-SHT-TD10.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
US 45 (LAGRANGE ROAD) AND 179TH STREET**  
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	470
<b>TD-10</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

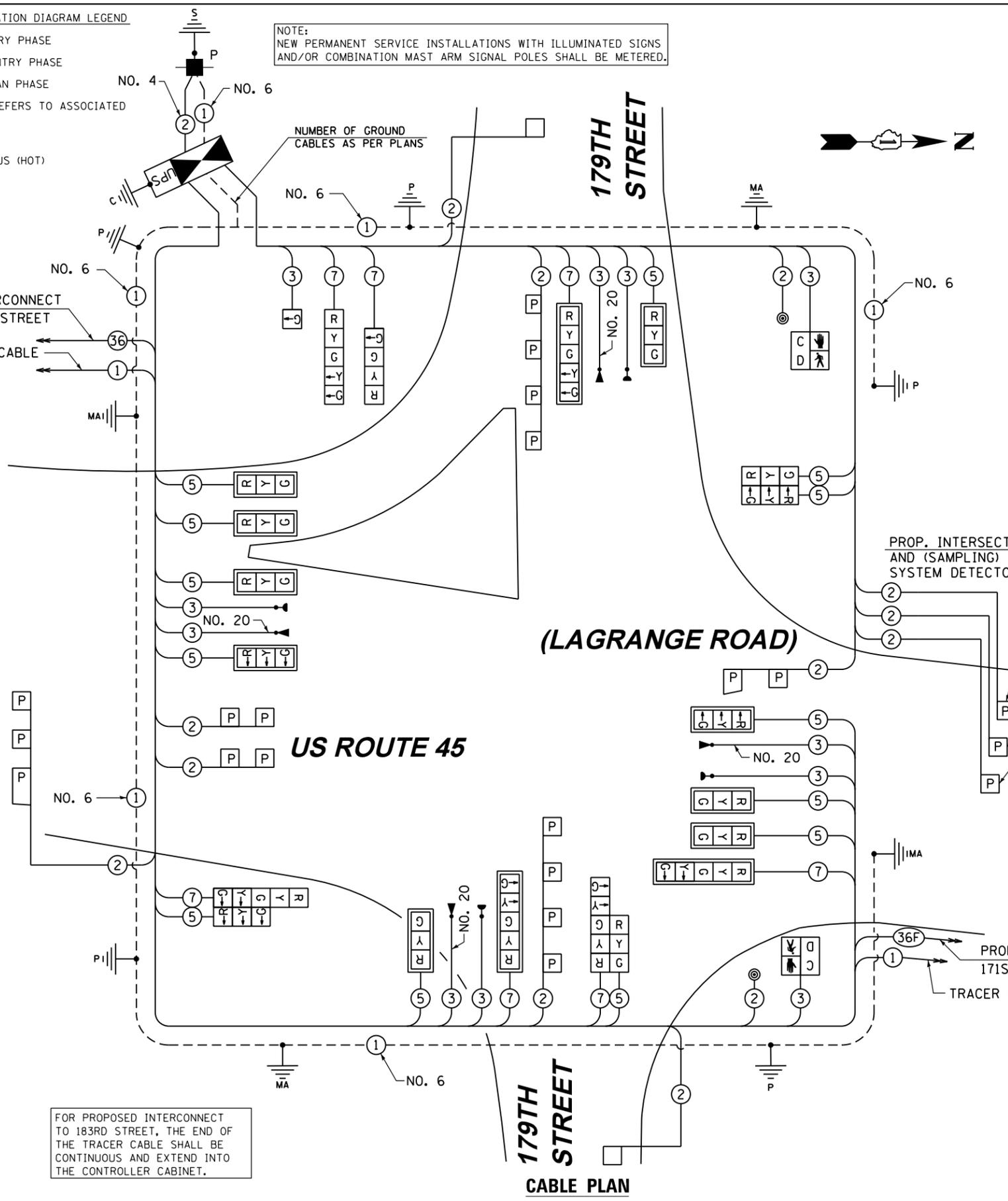
ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SO FT	44
SIGN PANEL - TYPE 2	SO.FT.	30
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1350
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	92
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	80
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	788
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	622
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1979
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3784
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1999
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3747
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	124
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1050
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	66
PREFORMED DETECTOR LOOP	FOOT	710
* LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	13
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1282
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO TINLEY PARK DEPARTMENT OF PUBLIC WORKS

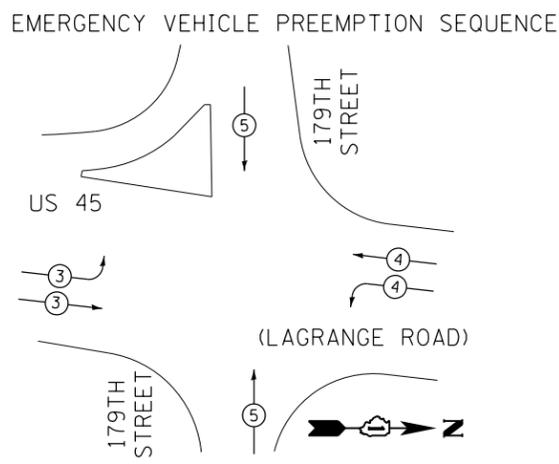
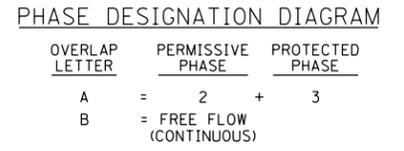
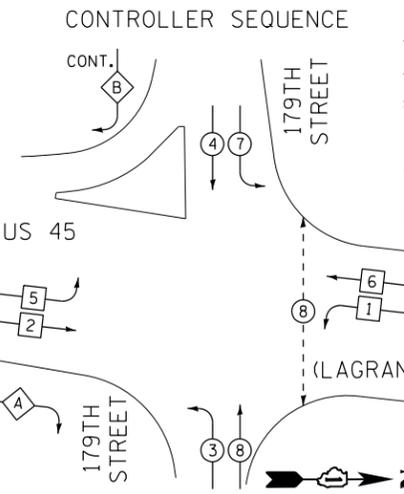
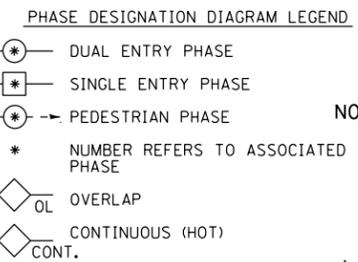
FOR PROPOSED INTERCONNECT TO 171ST STREET, THE ENDS OF THE TRACER CABLE AND THE FIBER OPTIC INTERCONNECT CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET, BUT SHALL NOT BE CONNECTED TO THE CONTROLLER.

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

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



NOTE: NEW PERMANENT SERVICE INSTALLATIONS WITH ILLUMINATED SIGNS AND/OR COMBINATION MAST ARM SIGNAL POLES SHALL BE METERED.



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	17	0.50	170.0
(YELLOW)	20	25	0.25	125.0
(GREEN)	22	15	0.25	82.5
ARROW	12	12	0.10	14.4
PED. SIGNAL		25	1.00	0.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	4	25	0.05	5.0
ARROW (GREEN)	2	15	1.00	30.0
FLASHER		25	0.50	
ENERGY COST TO:	50% I.D.O.T.			TOTAL = 526.9
	50% Village of Tinley Park			

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 VILLAGE OF TINLEY PARK  
 16250 S. OAK PARK AVE. TINLEY PARK, IL 60477  
 ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
 PHONE: (708) 235-2337  
 COMPANY: COMMONWEALTH EDISON

FOR PROPOSED INTERCONNECT TO 183RD STREET, THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

URS  
 100 S. WACKER DR.  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4988

FILE NAME	USER NAME	DESIGNED	REVISIONS
D160F05-SHT-TD11.dgn	Frank.Stallone	MRF	MRF
SHT.PLAN		MJL	MJL

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 US 45 (LAGRANGE ROAD) AND 179TH STREET

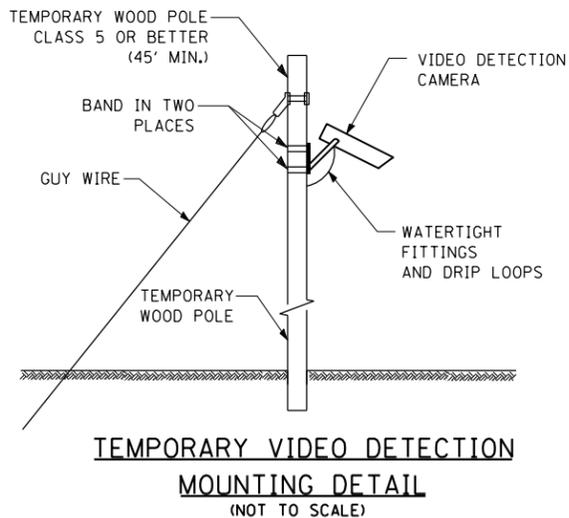
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	471
TD-11		CONTRACT NO.	60F05	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

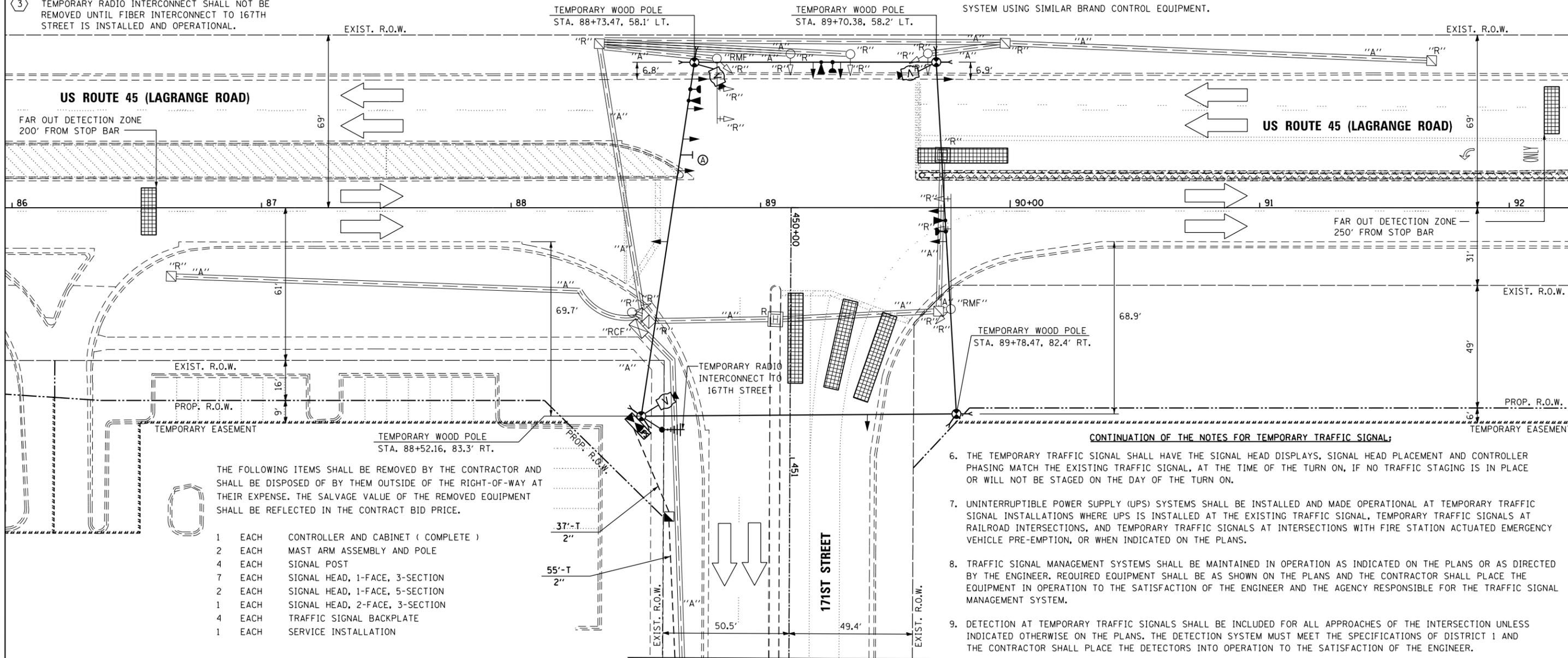
**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 167TH STREET IS INSTALLED AND OPERATIONAL.



**NOTES FOR TEMPORARY TRAFFIC SIGNAL:**

1. ALL CONTROL EQUIPMENT SUCH AS COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.



**CONTINUATION OF THE NOTES FOR TEMPORARY TRAFFIC SIGNAL:**

6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENT AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

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

- |   |      |                                     |
|---|------|-------------------------------------|
| 1 | EACH | CONTROLLER AND CABINET ( COMPLETE ) |
| 2 | EACH | MAST ARM ASSEMBLY AND POLE          |
| 4 | EACH | SIGNAL POST                         |
| 7 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION      |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION      |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION      |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE            |
| 1 | EACH | SERVICE INSTALLATION                |

SEE SHEET TD-13  
MATCH LINE STA. 451+80.00

100 S. WACKER DR.  
 SUITE 500  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME = D160F05-SHT-TD12.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -
SHT.PLAN	PLOT SCALE = 40.0000' / in.		
	PLOT DATE = 3/14/2013		

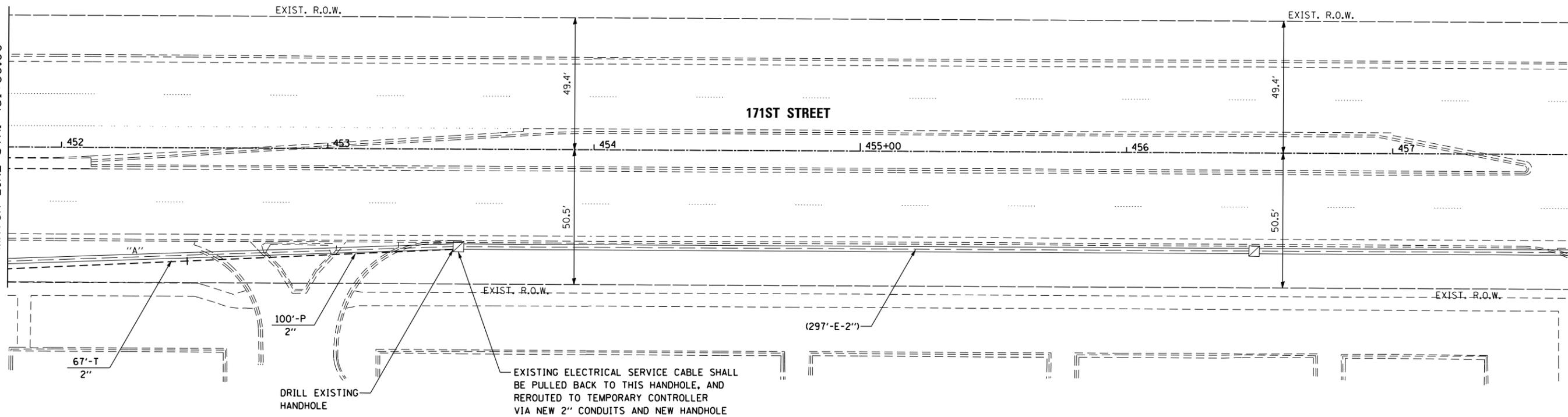
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - PRE-STAGE  
US 45 (LAGRANGE ROAD) AND 171ST STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	472
TD-12			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE DRAWING TD-12  
 MATCH LINE STA. 451+80.00

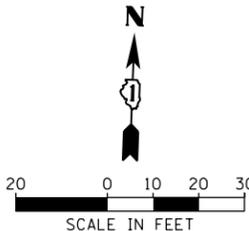


SEE DRAWING TD-14  
 MATCH LINE STA. 457+70.00

EXISTING ELECTRICAL SERVICE CABLE SHALL BE PULLED BACK TO THIS HANDHOLE, AND REROUTED TO TEMPORARY CONTROLLER VIA NEW 2" CONDUITS AND NEW HANDHOLE

**CONSTRUCTION NOTES:**

- ① MAINTAIN ELECTRICAL SERVICE CABLE SLACK DURING CABLE PULLING AND REINSTALLATION.
- ② TRAFFIC SIGNAL OPERATION SHALL BE MAINTAINED THROUGH THE USE OF A BACKUP GENERATOR AND/OR THE UNINTERRUPTIBLE POWER SUPPLY FOR THE TEMPORARY TRAFFIC SIGNAL, OR AS APPROVED BY THE ENGINEER.



FILE NAME = D160F05-SHT-TD13.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

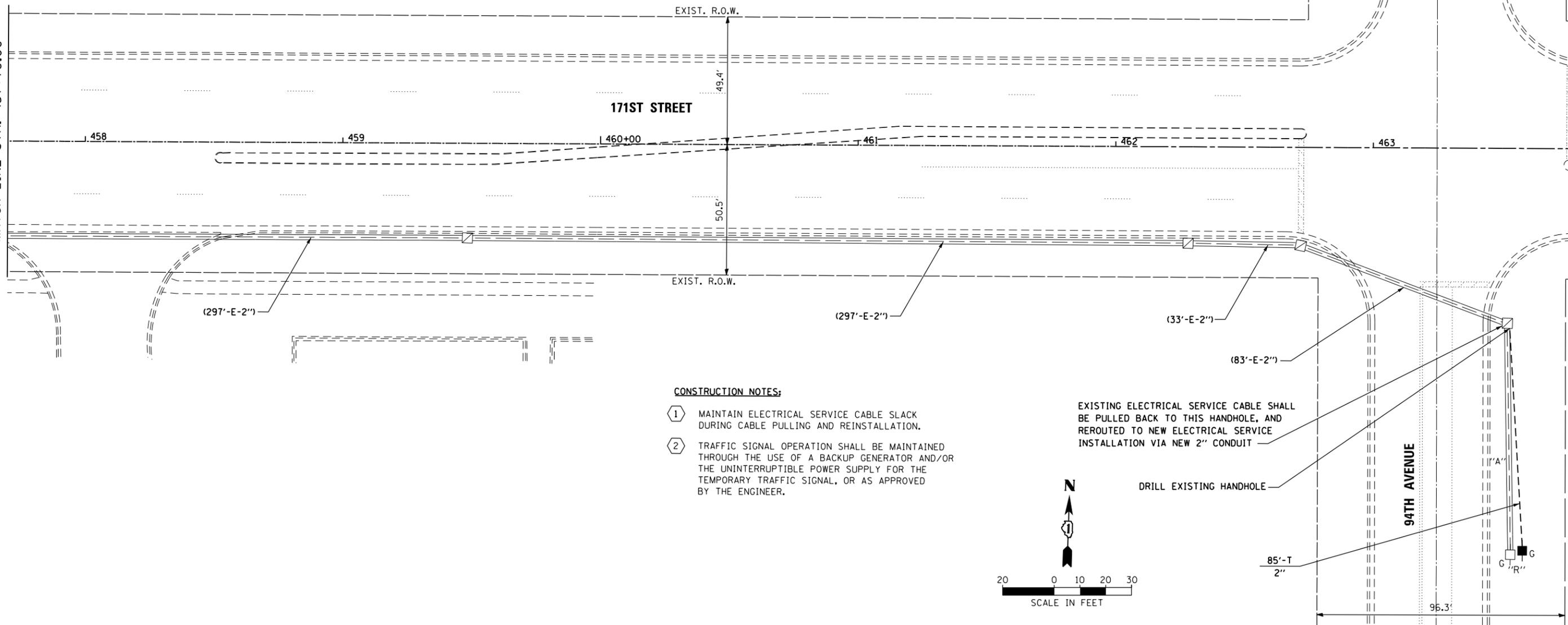
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - PRE-STAGE  
 US 45 (LAGRANGE ROAD) AND 171ST STREET**

SCALE: 1"=20' SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 473
<b>TD-13</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE DRAWING TD-13  
 MATCH LINE STA. 457+70.00

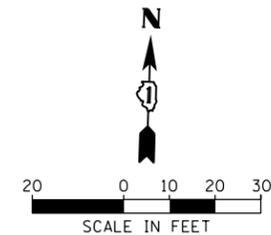


**CONSTRUCTION NOTES:**

- ① MAINTAIN ELECTRICAL SERVICE CABLE SLACK DURING CABLE PULLING AND REINSTALLATION.
- ② TRAFFIC SIGNAL OPERATION SHALL BE MAINTAINED THROUGH THE USE OF A BACKUP GENERATOR AND/OR THE UNINTERRUPTIBLE POWER SUPPLY FOR THE TEMPORARY TRAFFIC SIGNAL, OR AS APPROVED BY THE ENGINEER.

EXISTING ELECTRICAL SERVICE CABLE SHALL BE PULLED BACK TO THIS HANDHOLE, AND REROUTED TO NEW ELECTRICAL SERVICE INSTALLATION VIA NEW 2" CONDUIT

DRILL EXISTING HANDHOLE



FILE NAME = D160F05-SHT-TD14.dgn	USER NAME = Frank_Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

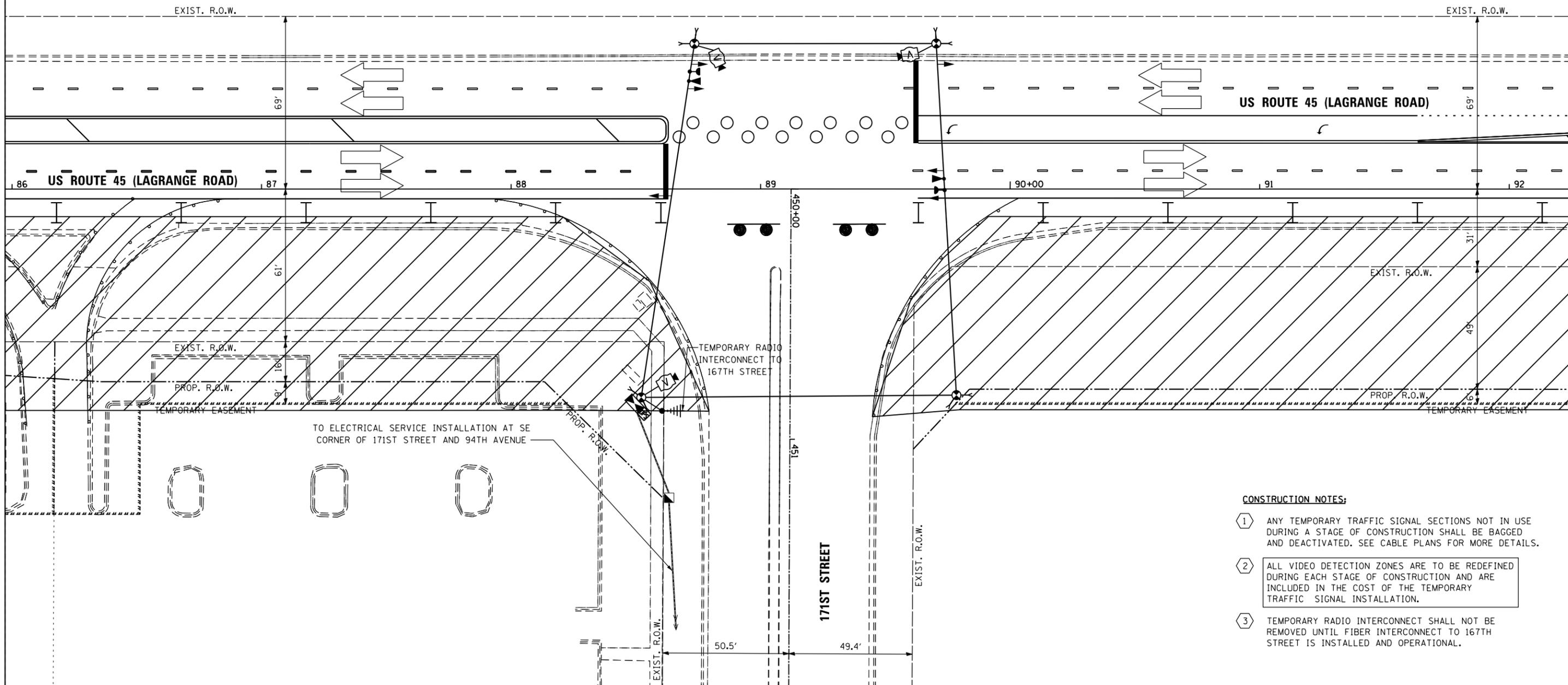
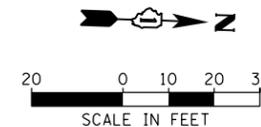
**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING  
 TRAFFIC SIGNAL EQUIPMENT PLAN - PRE-STAGE  
 US 45 (LAGRANGE ROAD) AND 171ST STREET**

SCALE: 1"=20' SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 474
<b>TD-14</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 167TH STREET IS INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 10TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
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**URS**

FILE NAME = D160F05-SHT-TD15.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 1  
US 45 (LAGRANGE ROAD) AND 171ST STREET**

SCALE: 1"=20' SHEET 4 OF 8 SHEETS STA. TO STA.

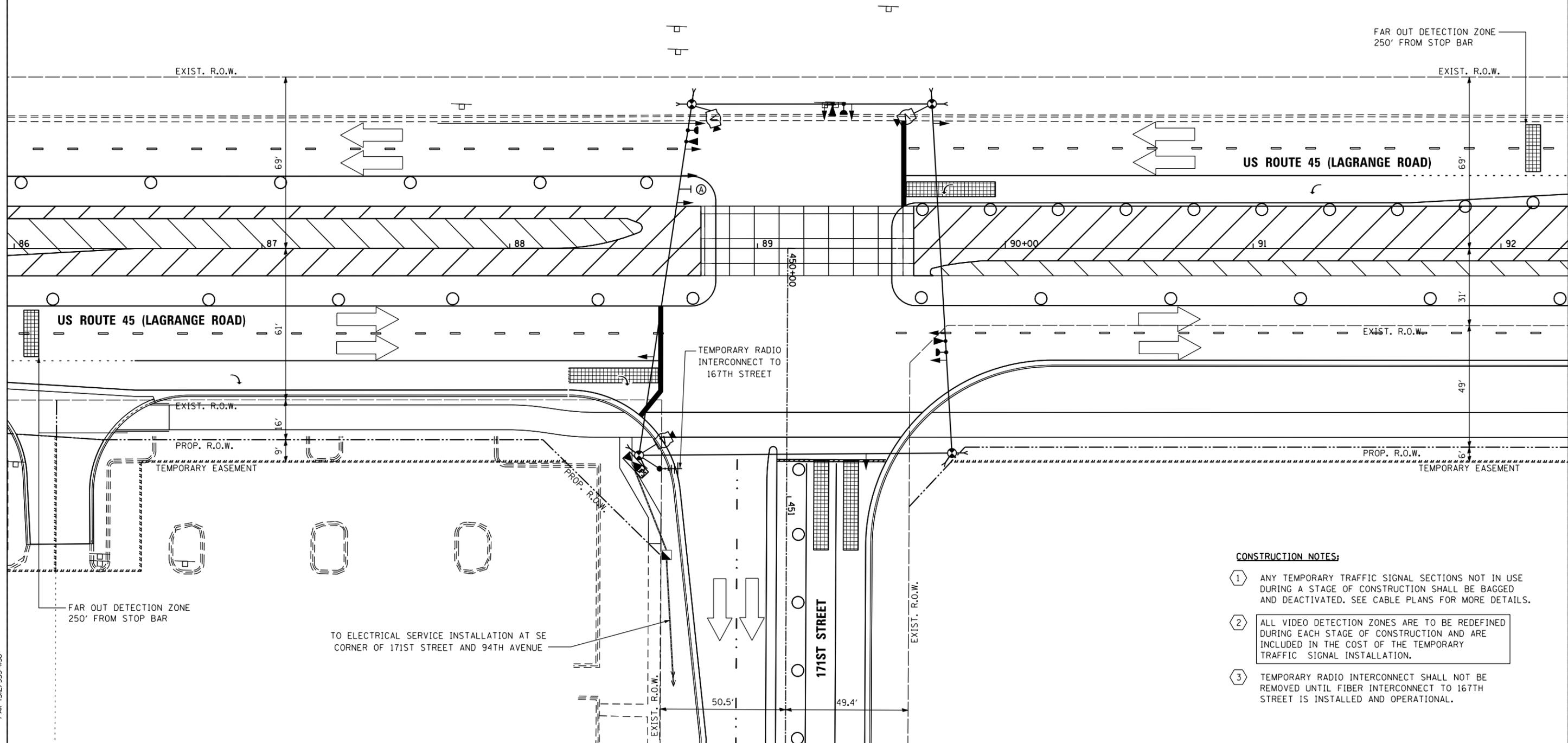
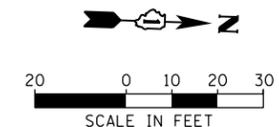
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	475
<b>TD-15</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
1 REQUIRED



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 167TH STREET IS INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME = D160F05-SHT-TD16.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 2  
US 45 (LAGRANGE ROAD) AND 171ST STREET**

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

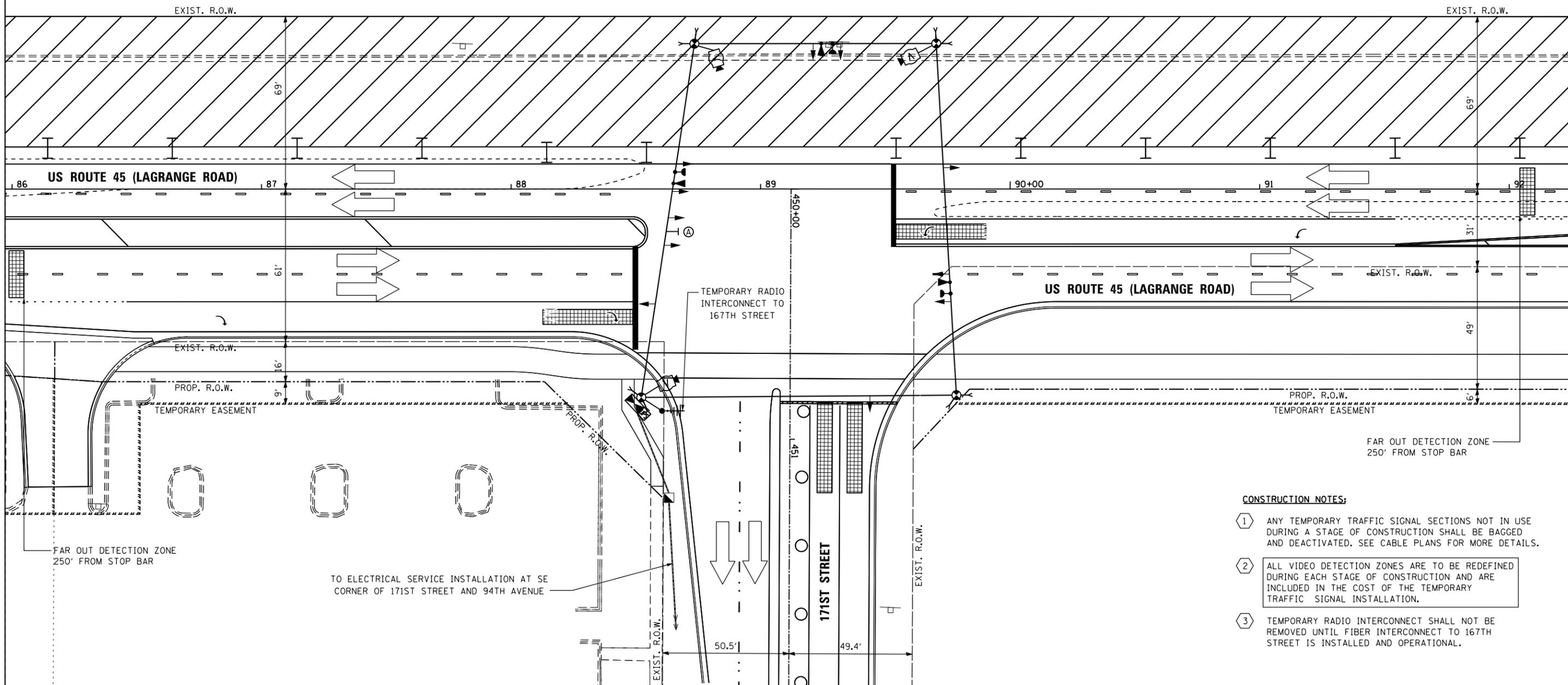
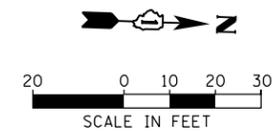
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 476
<b>TD-16</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
1 REQUIRED



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 167TH STREET IS INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
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 CHICAGO, IL 60606  
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**URS**

FILE NAME = D160F05-SHT-TD17.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 3  
US 45 (LAGRANGE ROAD) AND 171ST STREET

SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. TO STA.

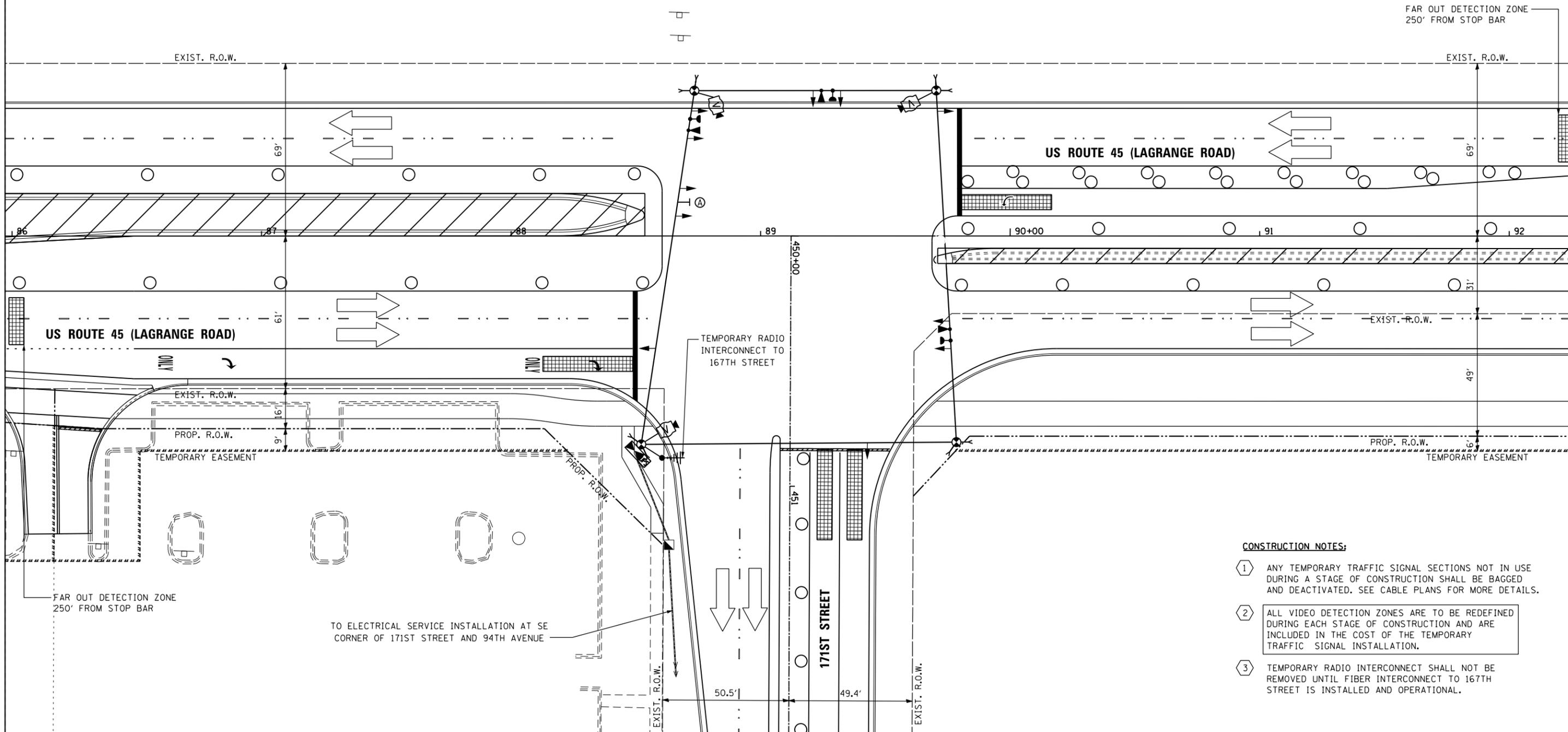
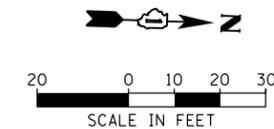
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 477
<b>TD-17</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
1 REQUIRED



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 167TH STREET IS INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

FILE NAME = D160F05-SHT-TD18.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 4  
US 45 (LAGRANGE ROAD) AND 171ST STREET**

SCALE: 1"=20'    SHEET 7 OF 8 SHEETS    STA.    TO STA.

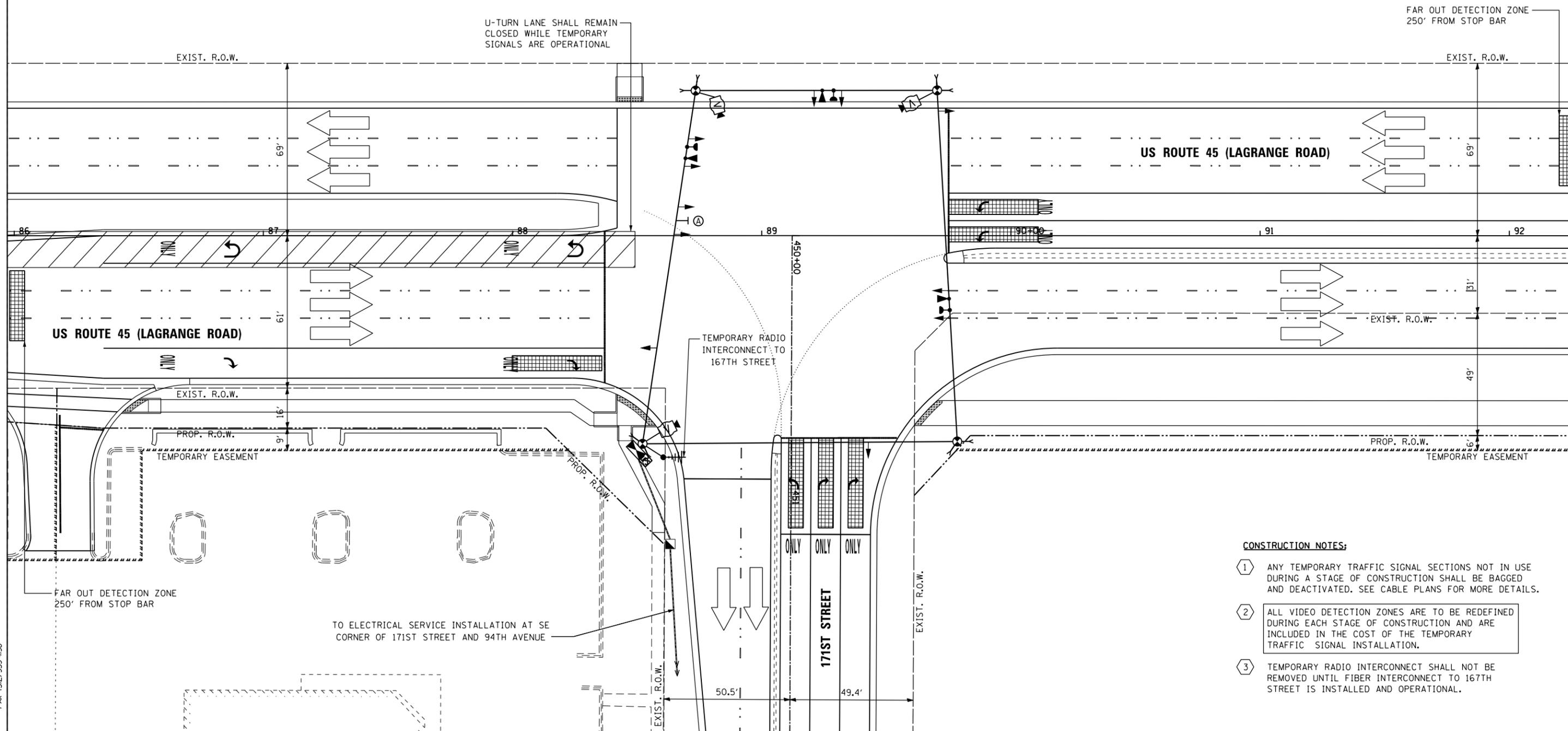
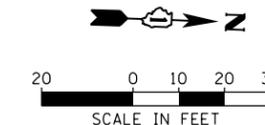
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 478
<b>TD-18</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
1 REQUIRED



- CONSTRUCTION NOTES:**
- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
  - 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO 167TH STREET IS INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 10TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

FILE NAME = D160F05-SHT-TD19.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

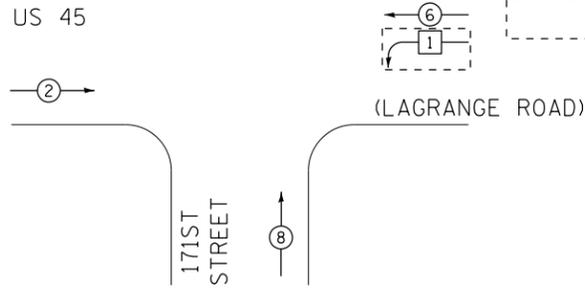
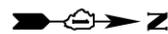
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION - FINAL GEOMETRICS  
US 45 (LAGRANGE ROAD) AND 171ST STREET

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

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 479
<b>TD-19</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

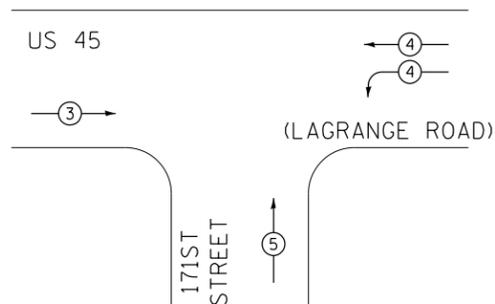
TEMPORARY CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊠ SINGLE ENTRY PHASE
- ⊙ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE
- PHASE DISABLED IN STAGES 1 AND 2A

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	↶	↑

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCANDE.)	LED	% OPERATION	
SIGNAL (RED)	11		17	0.50	93.5
(YELLOW)	11		25	0.25	68.8
(GREEN)	11		15	0.25	41.3
ARROW	4		12	0.10	4.8
PED. SIGNAL	--		25	1.00	0.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	--		25	0.05	0.0
VIDEO SYSTEM	1		150	1.00	150.0
FLASHER			25	0.50	
ENERGY COST TO: 100% I.D.O.T.					TOTAL = 458.4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
 PHONE: (708) 235-2337  
 COMPANY: COMMONWEALTH EDISON

NOTE:

AT 171ST STREET AND US ROUTE 45, THE ELECTRICAL SERVICE CABLE SHALL BE PULLED BACK TO THE HANDHOLE LOCATED AT STA. 453+49, AND REROUTED TO THE TEMPORARY CONTROLLER VIA NEW 2" CONDUIT.

AT 171ST STREET AND 94TH AVENUE, THE ELECTRICAL SERVICE CABLE SHALL BE PULLED BACK TO THE HANDHOLE LOCATED AT STA. 463+52, AND REROUTED TO THE NEW ELECTRICAL SERVICE INSTALLATION VIA NEW 2" CONDUIT.

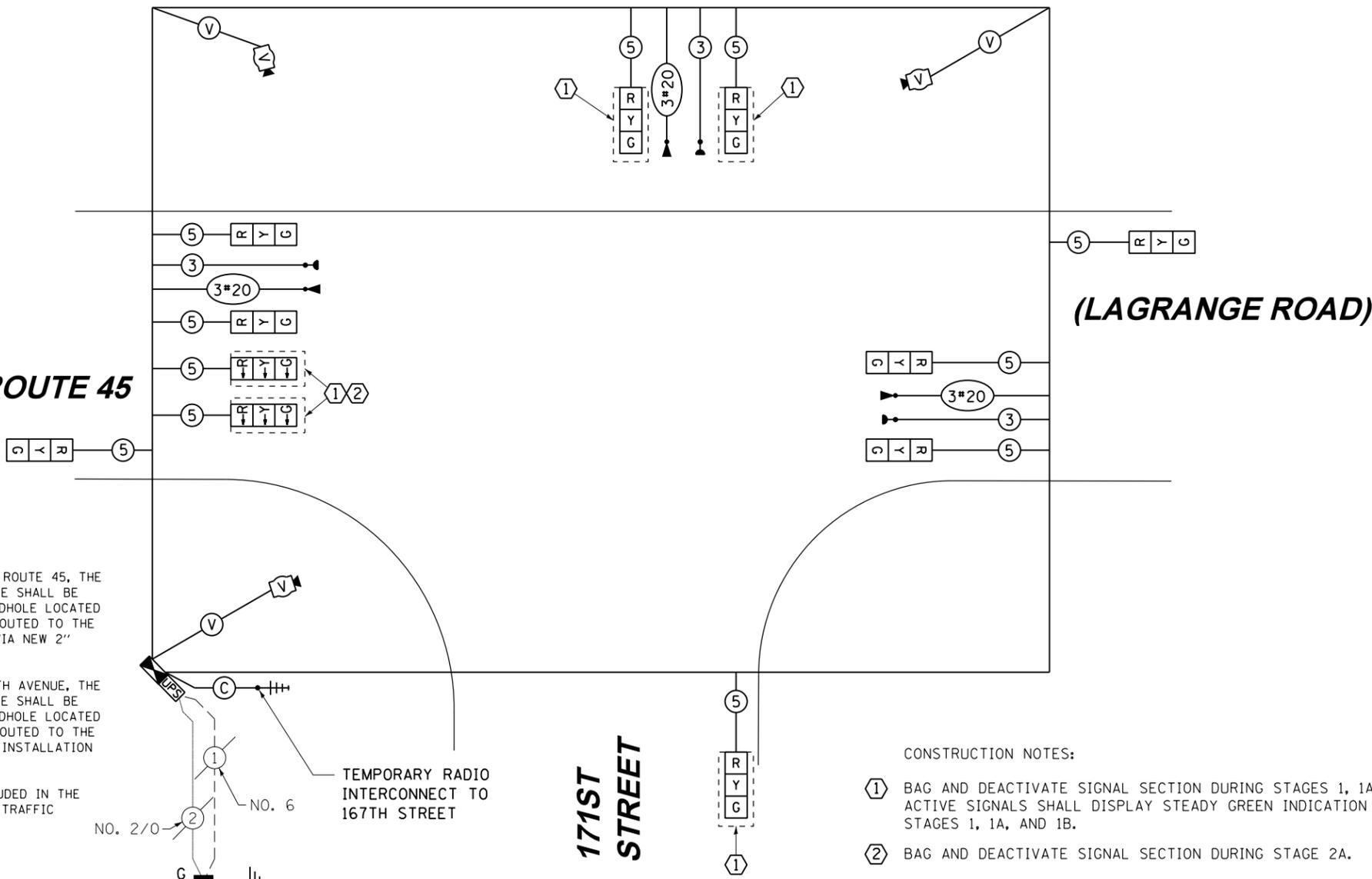
ALL WORK SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTE:  
 ELECTRICAL SERVICE INSTALLATION IS LOCATED AT THE INTERSECTION OF 171ST STREET AND 94TH AVENUE

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

NOTE:  
 THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

US ROUTE 45



TEMPORARY CABLE PLAN  
 PRE-STAGE, STAGE 1, 2, 3, 4 & FINAL GEOMETRICS

CONSTRUCTION NOTES:

- ① BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 1, 1A, AND 1B. ACTIVE SIGNALS SHALL DISPLAY STEADY GREEN INDICATION DURING STAGES 1, 1A, AND 1B.
- ② BAG AND DEACTIVATE SIGNAL SECTION DURING STAGE 2A.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME = D:\60F05-SHT-TD21.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISIONS
SHT.PLAN	PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISIONS
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISIONS
		DATE - 03/13/13	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 US 45 (LAGRANGE ROAD) AND 171ST STREET

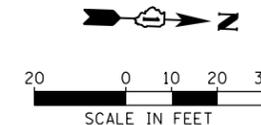
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 480
TD-21		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

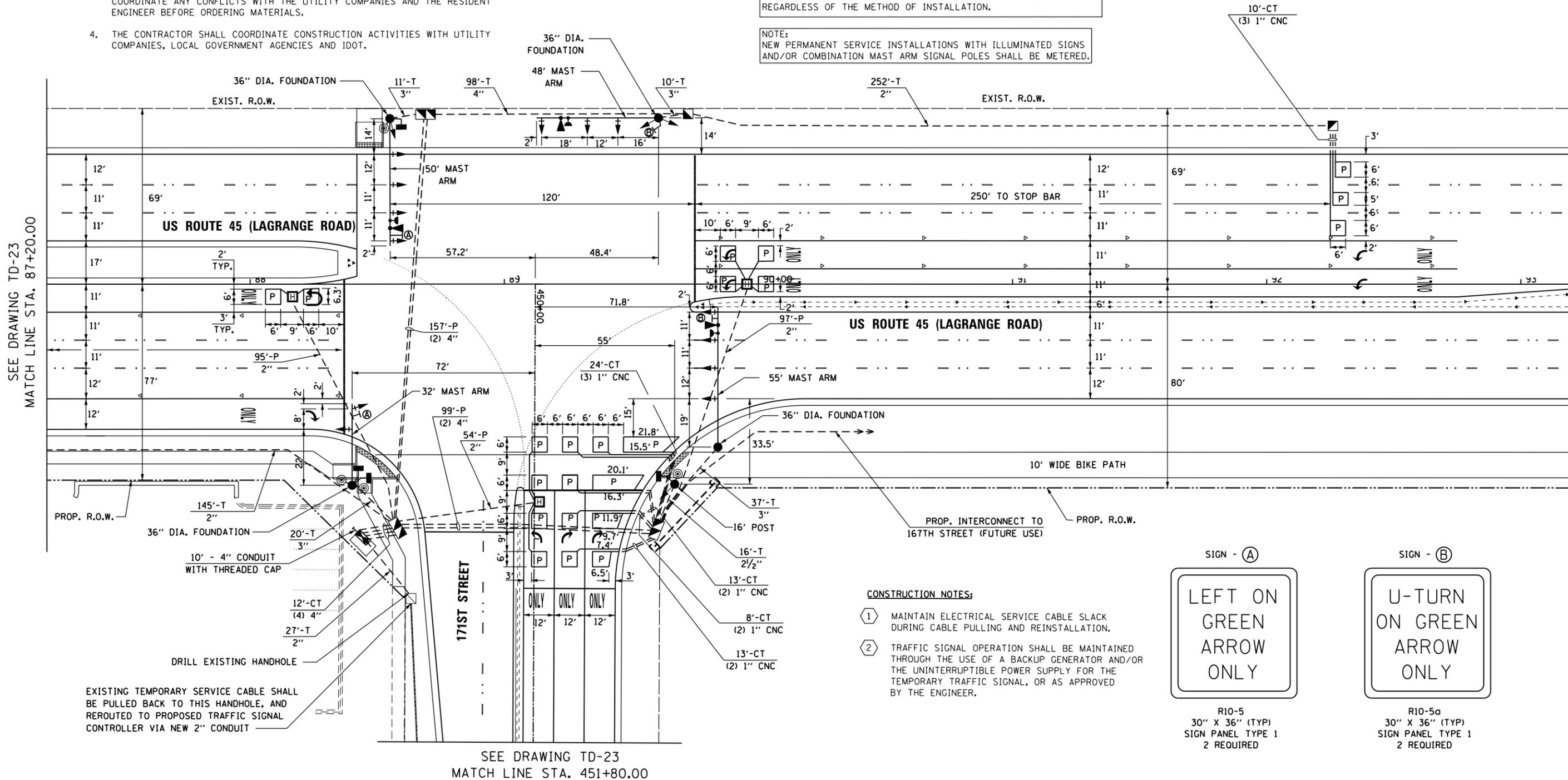
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.

NOTE:  
NEW PERMANENT SERVICE INSTALLATIONS WITH ILLUMINATED SIGNS AND/OR COMBINATION MAST ARM SIGNAL POLES SHALL BE METERED.



SEE DRAWING TD-23  
MATCH LINE STA. 87+20.00

SEE DRAWING TD-23  
MATCH LINE STA. 451+80.00

**CONSTRUCTION NOTES:**

- MAINTAIN ELECTRICAL SERVICE CABLE SLACK DURING CABLE PULLING AND REINSTALLATION.
- TRAFFIC SIGNAL OPERATION SHALL BE MAINTAINED THROUGH THE USE OF A BACKUP GENERATOR AND/OR THE UNINTERRUPTIBLE POWER SUPPLY FOR THE TEMPORARY TRAFFIC SIGNAL, OR AS APPROVED BY THE ENGINEER.



R10-5  
30" X 36" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED



R10-5a  
30" X 36" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

FILE NAME = D160F05-SHT-TD22.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL INSTALLATION PLAN US 45 (LAGRANGE ROAD) AND 171ST STREET</b>	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 481	
SHT.PLAN	PLOT SCALE = 48.0000' / in.	CHECKED - MJL	REVISED -			SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA. TO STA.	<b>TD-22</b>		CONTRACT NO. 60F05
	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -			ILLINOIS FED. AID PROJECT					

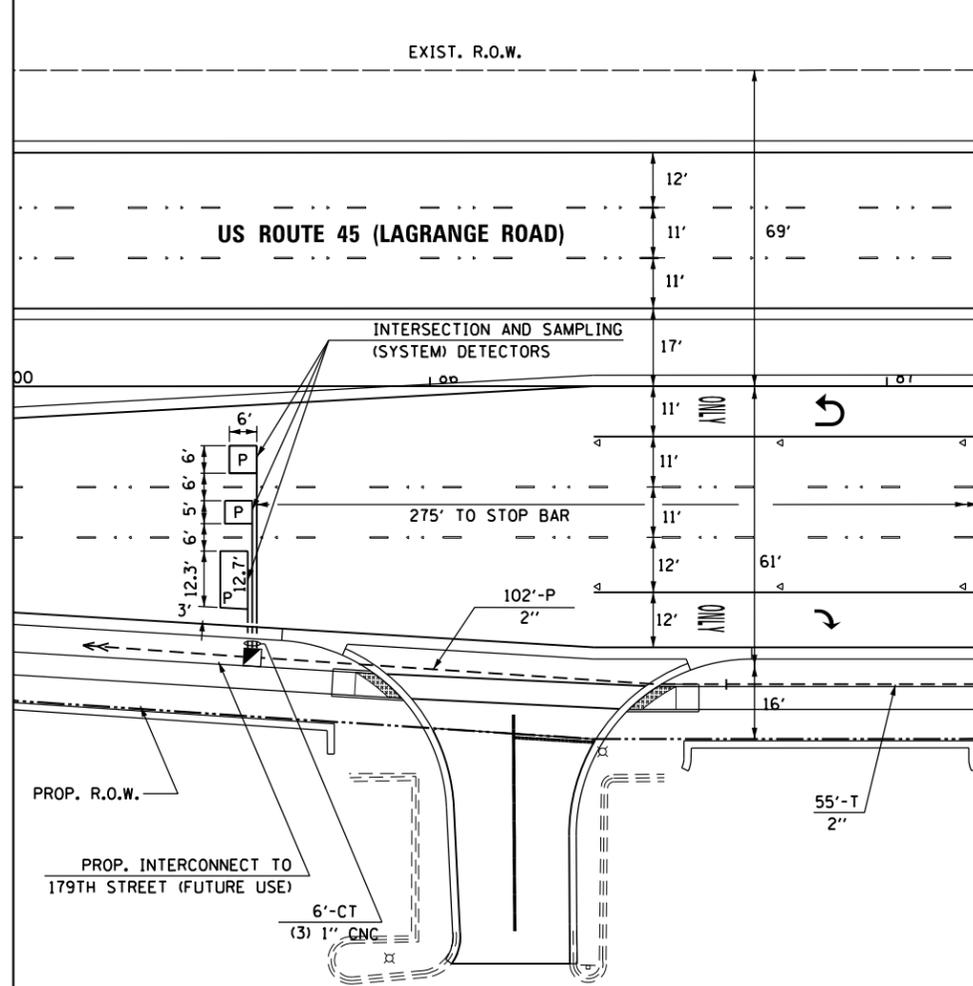
**GENERAL NOTES**

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

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

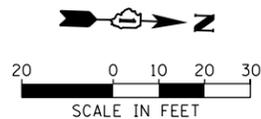
NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

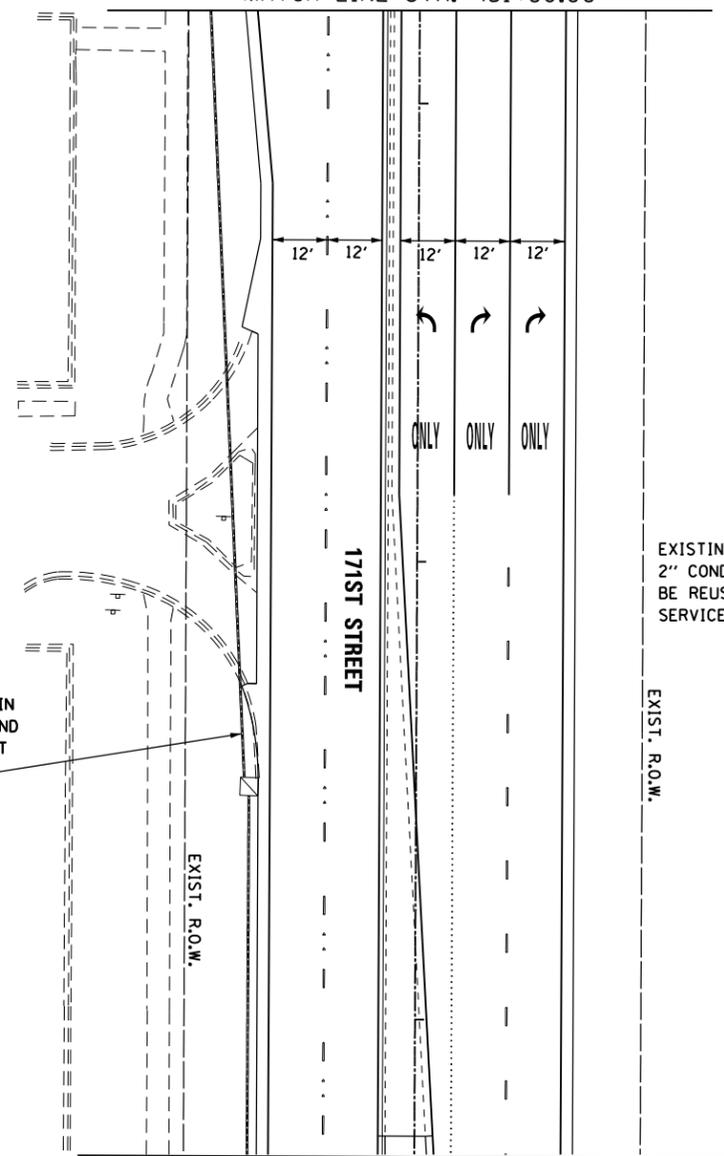


SEE DRAWING TD-22  
MATCH LINE STA. 87+20.00

EXISTING SERVICE CABLE IN 2" CONDUIT, TO REMAIN AND BE REUSED FOR PERMANENT SERVICE INSTALLATION

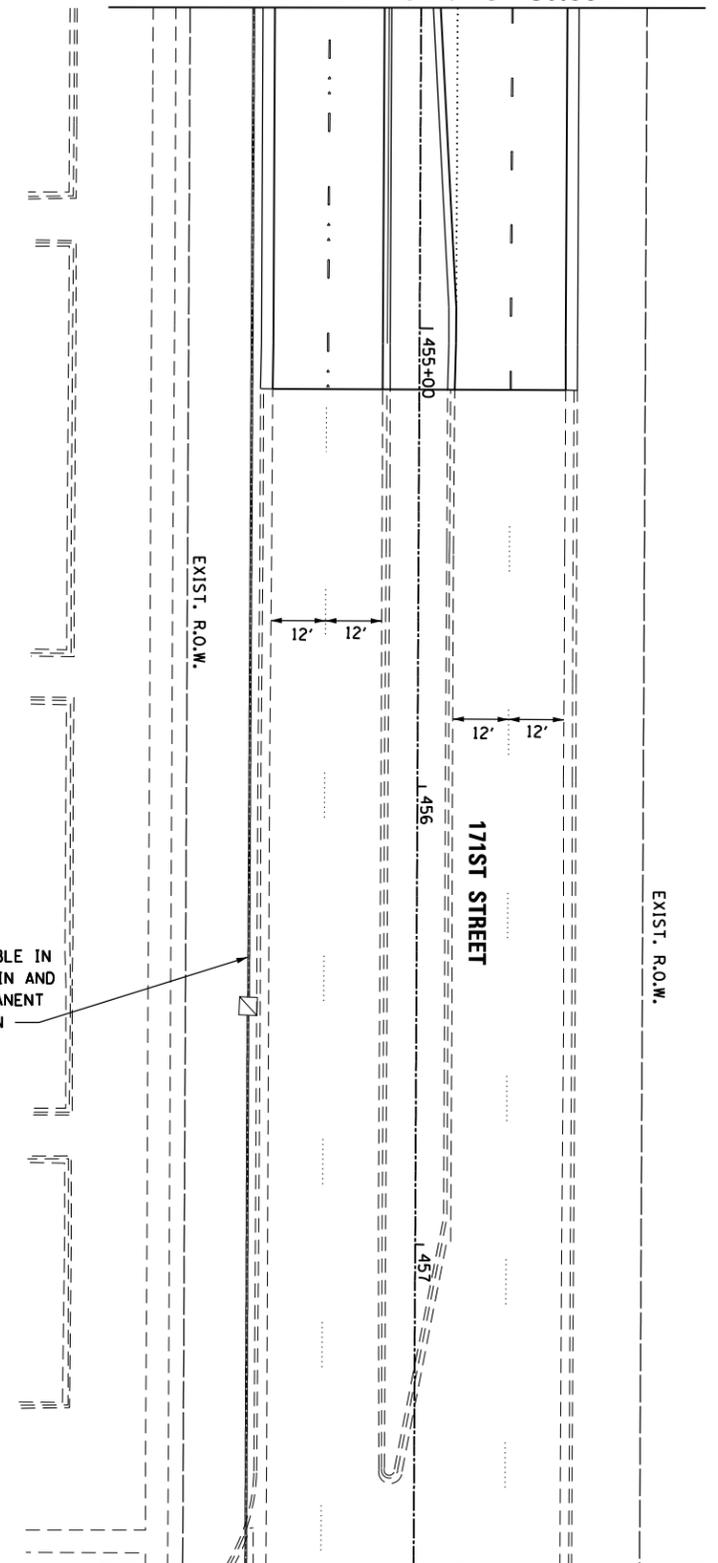


SEE DRAWING TD-22  
MATCH LINE STA. 451+80.00



SEE VIEW TO RIGHT  
MATCH LINE STA. 454+30.00

SEE VIEW TO LEFT  
MATCH LINE STA. 454+30.00



SEE DRAWING TD-23A  
MATCH LINE STA. 457+70.00

URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

FILE NAME = D160F05-SHT-TD23.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

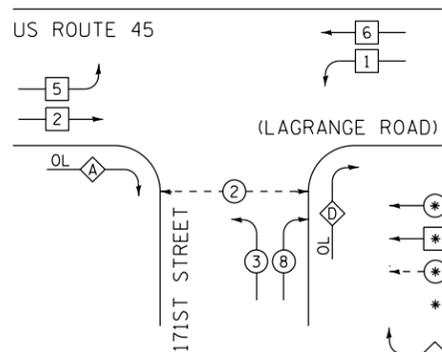
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
US 45 (LAGRANGE ROAD) AND 171ST STREET

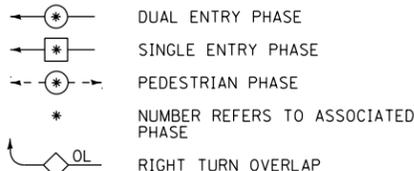
SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	482
TD-23		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE



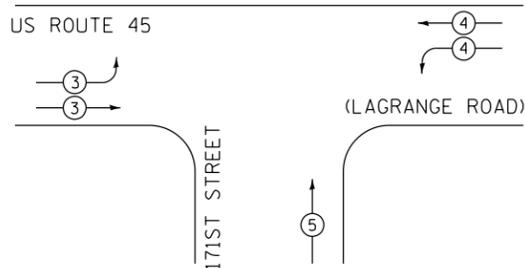
PHASE DESIGNATION DIAGRAM LEGEND



PHASE DESIGNATION DIAGRAM

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

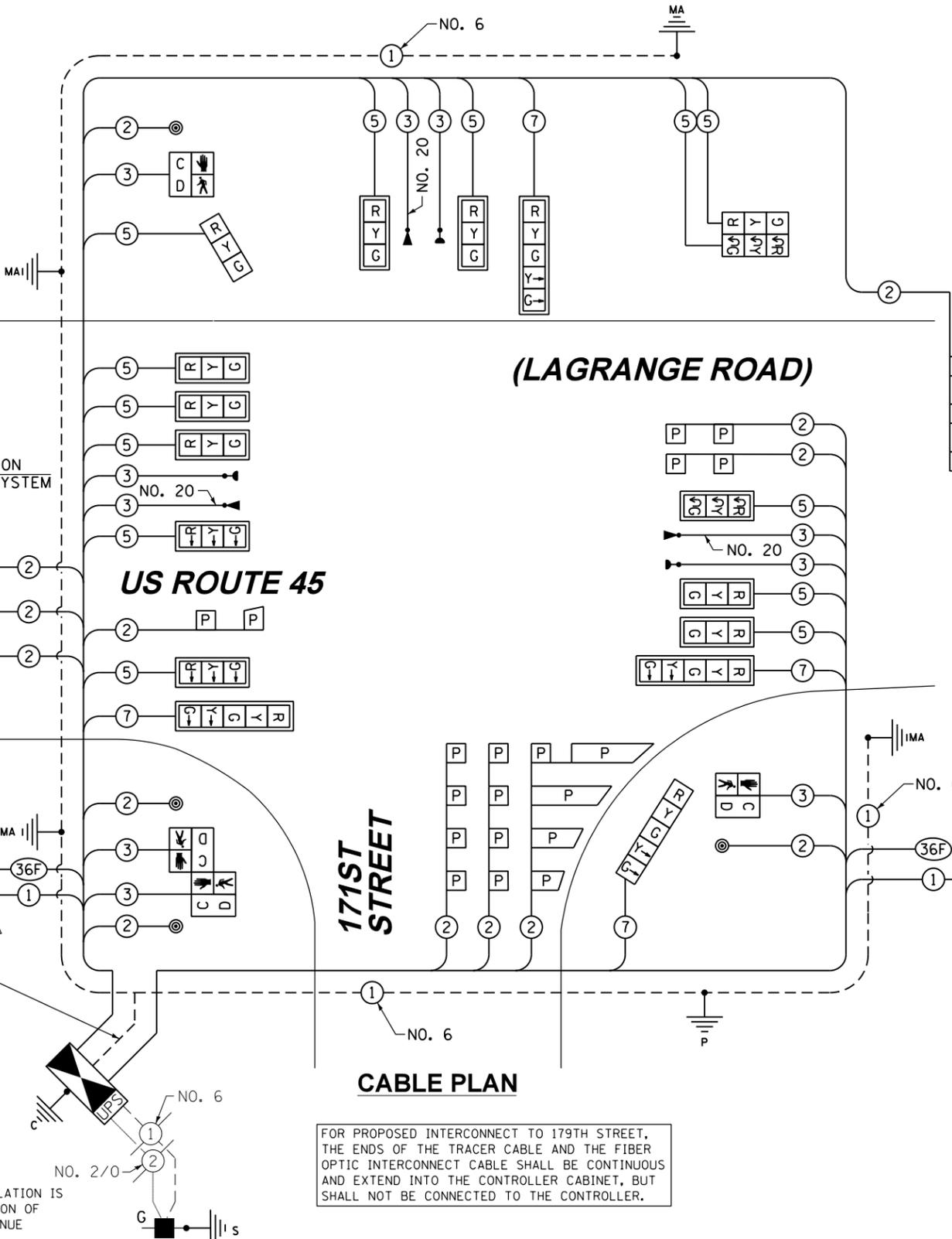


PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

PROP. INTERCONNECT TO 179TH STREET

TRACER CABLE  
NUMBER OF GROUND CABLES AS PER PLANS

NOTE: ELECTRICAL SERVICE INSTALLATION IS LOCATED AT THE INTERSECTION OF 171ST STREET AND 94TH AVENUE



CABLE PLAN

FOR PROPOSED INTERCONNECT TO 179TH STREET, THE ENDS OF THE TRACER CABLE AND THE FIBER OPTIC INTERCONNECT CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET, BUT SHALL NOT BE CONNECTED TO THE CONTROLLER.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SO FT	42
SIGN PANEL - TYPE 2	SO FT	15
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1171
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	78
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	569
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	511
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1458
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3553
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	850
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2528
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	612
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	10
PERFORMED DETECTOR LOOP	FOOT	988
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE AND REINSTALL EXISTING CABLE FROM CONDUIT	EACH	388
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	919
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO TINLEY PARK DEPARTMENT OF PUBLIC WORKS

FOR PROPOSED INTERCONNECT TO 167TH STREET, THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE: NEW PERMANENT SERVICE INSTALLATIONS WITH ILLUMINATED SIGNS AND/OR COMBINATION MAST ARM SIGNAL POLES SHALL BE METERED.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	17	0.50	0.50	144.5
(YELLOW)	17	25	0.25	0.25	106.3
(GREEN)	17	15	0.25	0.25	63.8
ARROW	8	12	0.10	0.10	9.6
PED. SIGNAL	4	25	1.00	1.00	100.0
CONTROLLER	1	100	1.00	1.00	100.0
ILLUM. SIGN	3	25	0.05	0.05	3.8
FLASHER		25	0.50		
ENERGY COST TO:					
TOTAL =					528.0

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
PHONE: (708) 235-2337  
COMPANY: COMMONWEALTH EDISON

FILE NAME = D160F05-SHT-TD24.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
US 45 (LAGRANGE ROAD) AND 171ST STREET  
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 483
TD-24		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

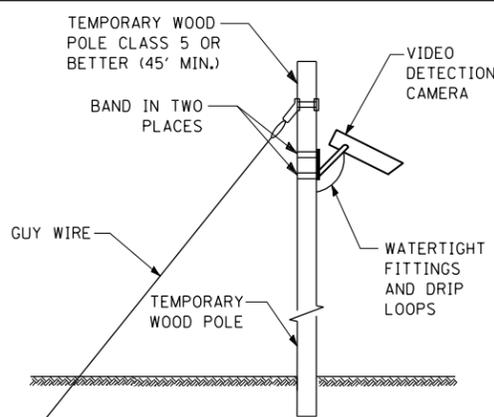


RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 171ST STREET AND 163RD STREET ARE INSTALLED AND OPERATIONAL.

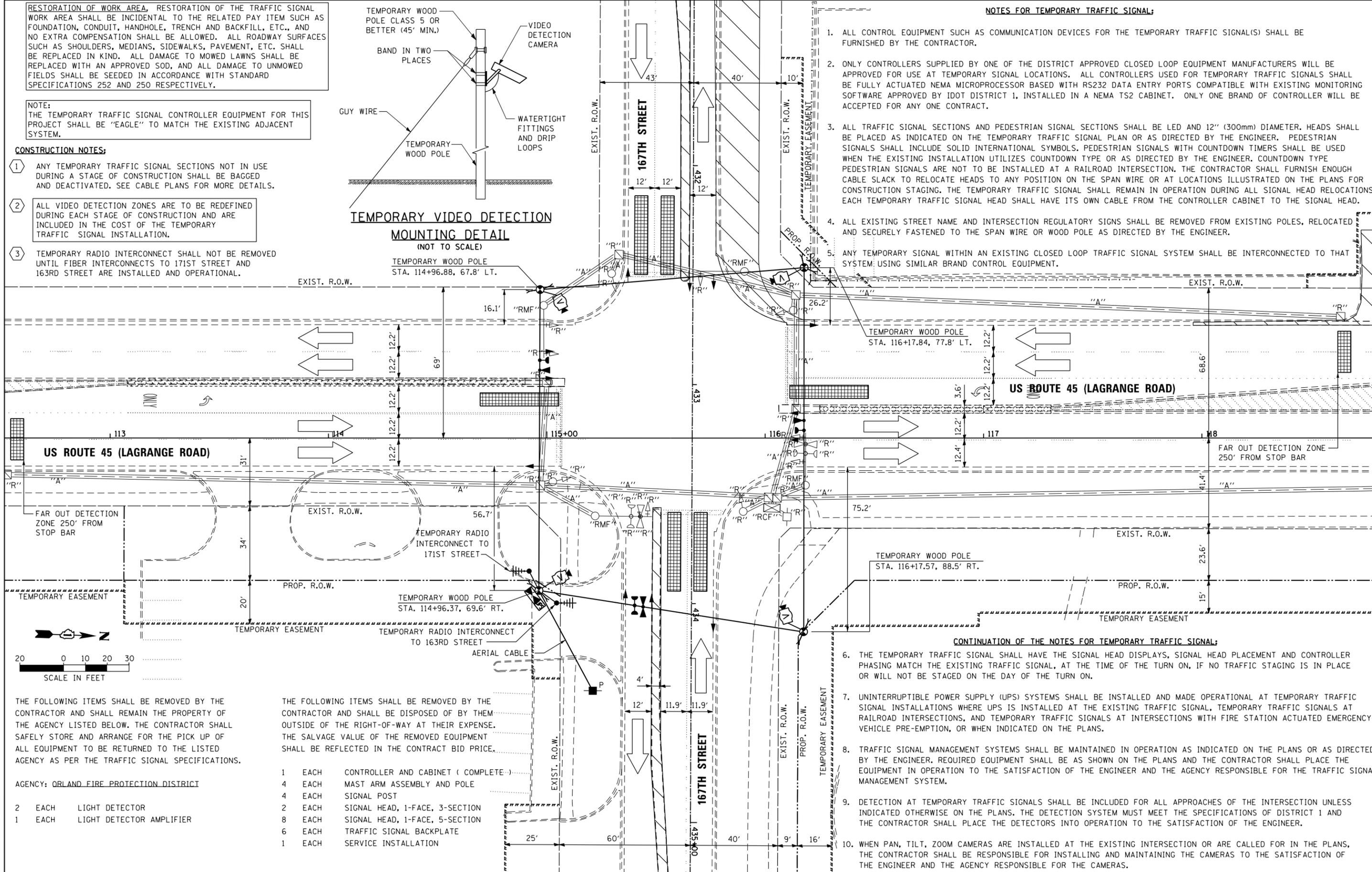


**TEMPORARY VIDEO DETECTION MOUNTING DETAIL**  
(NOT TO SCALE)

TEMPORARY WOOD POLE  
STA. 114+96.88, 67.8' LT.

**NOTES FOR TEMPORARY TRAFFIC SIGNAL:**

1. ALL CONTROL EQUIPMENT SUCH AS COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.



**CONTINUATION OF THE NOTES FOR TEMPORARY TRAFFIC SIGNAL:**

6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENT AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

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

AGENCY: ORLAND FIRE PROTECTION DISTRICT

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

- 1 EACH CONTROLLER AND CABINET ( COMPLETE )
- 4 EACH MAST ARM ASSEMBLY AND POLE
- 4 EACH SIGNAL POST
- 2 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH SERVICE INSTALLATION



FILE NAME = D:\160F05-SHT-TD25.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
PLOT SCALE = 40.0025' / in.  
PLOT DATE = 3/14/2013

DESIGNED - MRF  
DRAWN - MRF  
CHECKED - MJL  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

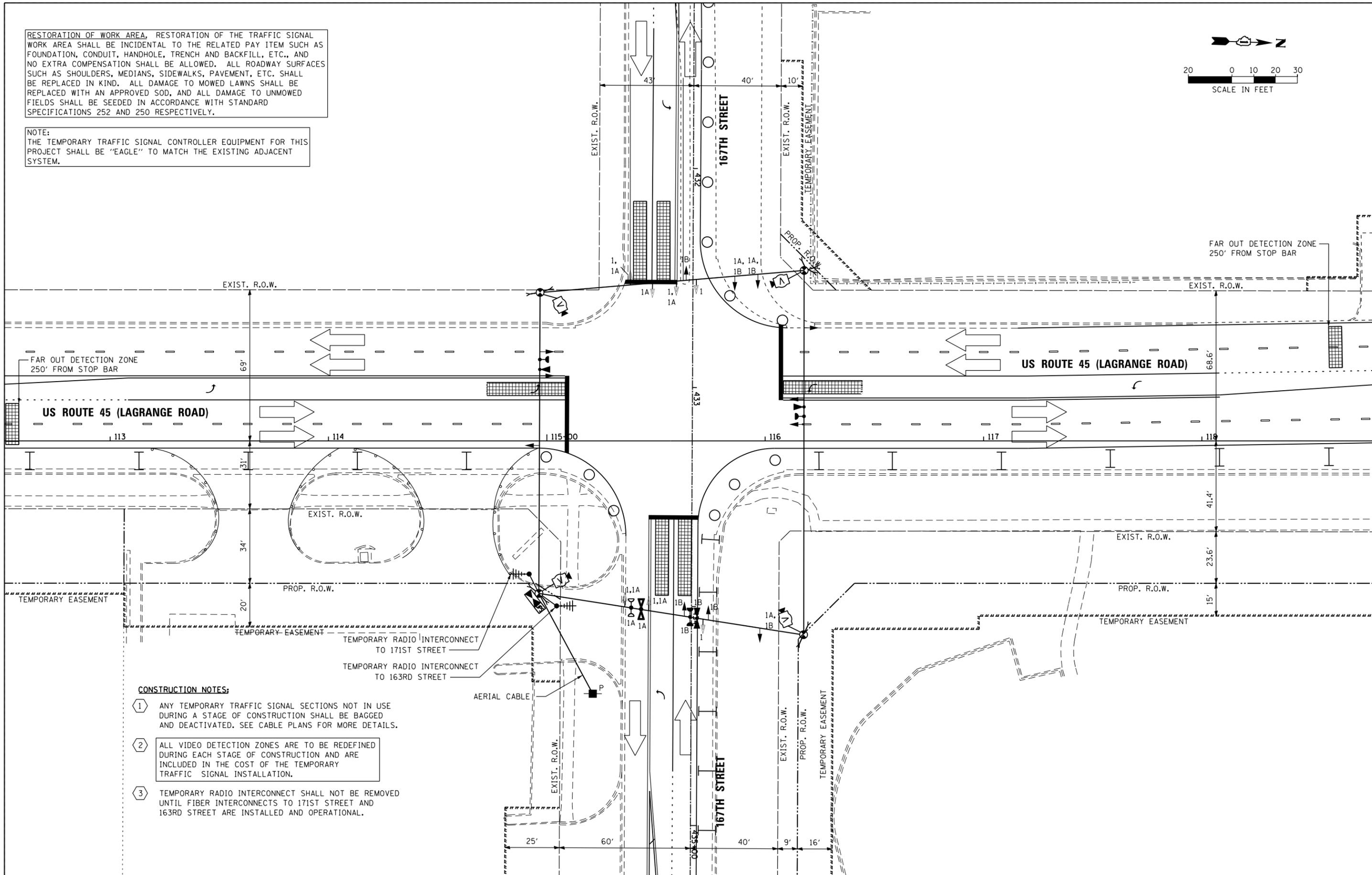
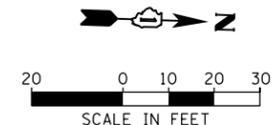
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - PRE-STAGE  
US 45 (LAGRANGE ROAD) AND 167TH STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	484
TD-25		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 171ST STREET AND 163RD STREET ARE INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME = D160F05-SHT-TD26.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
DESIGNED - MRF  
DRAWN - MRF  
CHECKED - MJL  
DATE - 03/13/13  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/14/2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

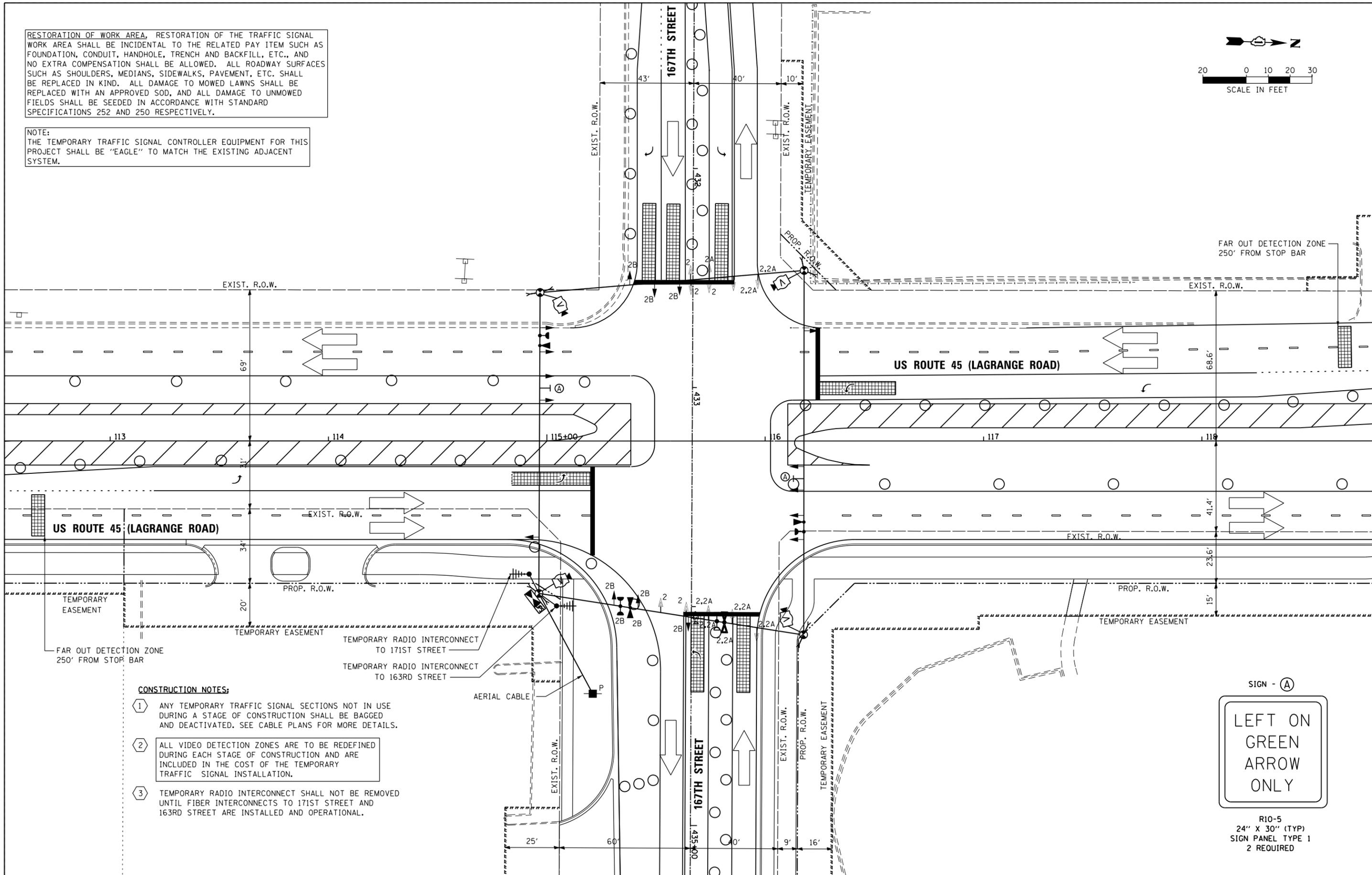
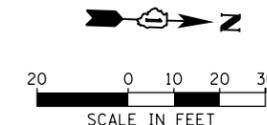
**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 1  
US 45 (LAGRANGE ROAD) AND 167TH STREET**

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	485
<b>TD-26</b>			<b>CONTRACT NO. 60F05</b>	
<small>ILLINOIS FED. AID PROJECT</small>				

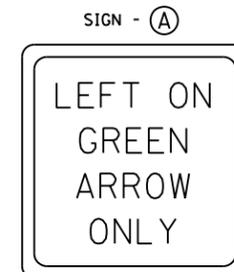
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 171ST STREET AND 163RD STREET ARE INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =  
D160F05-SHT-TD27.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
DESIGNED - MRF  
DRAWN - MRF  
CHECKED - MJL  
DATE - 03/13/13  
PLOT SCALE = 40.0025' / in.  
PLOT DATE = 3/14/2013

REVISED -  
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REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

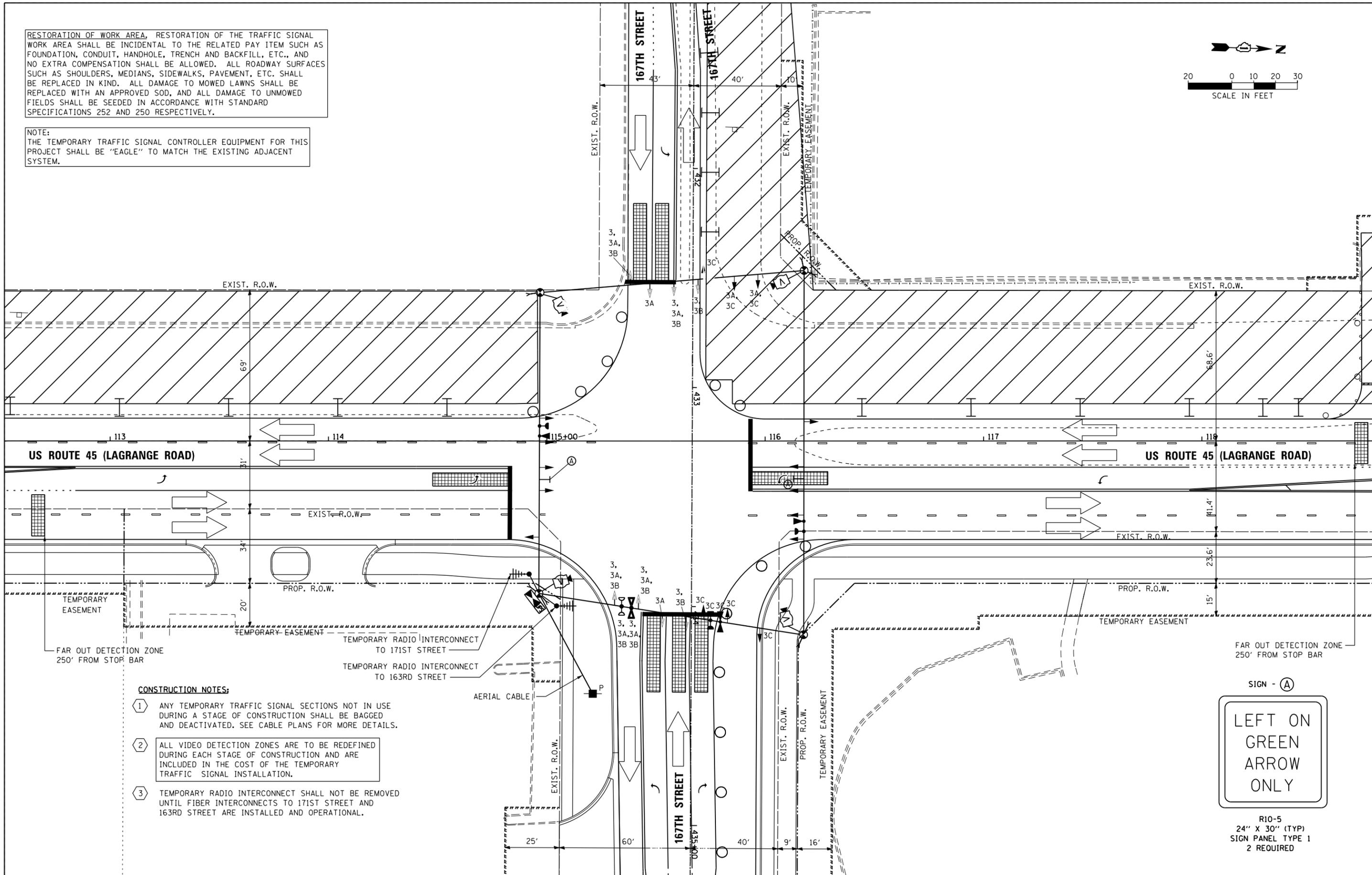
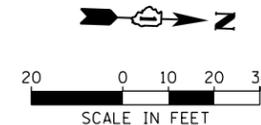
TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 2  
US 45 (LAGRANGE ROAD) AND 167TH STREET

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	486
<b>TD-27</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 171ST STREET AND 163RD STREET ARE INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =  
D160F05-SHT-TD28.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
DRAWN - MRF  
PLOT SCALE = 40.0025' / in.  
PLOT DATE = 3/14/2013

DESIGNED - MRF  
CHECKED - MJL  
DATE - 03/13/13

REVISED -  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

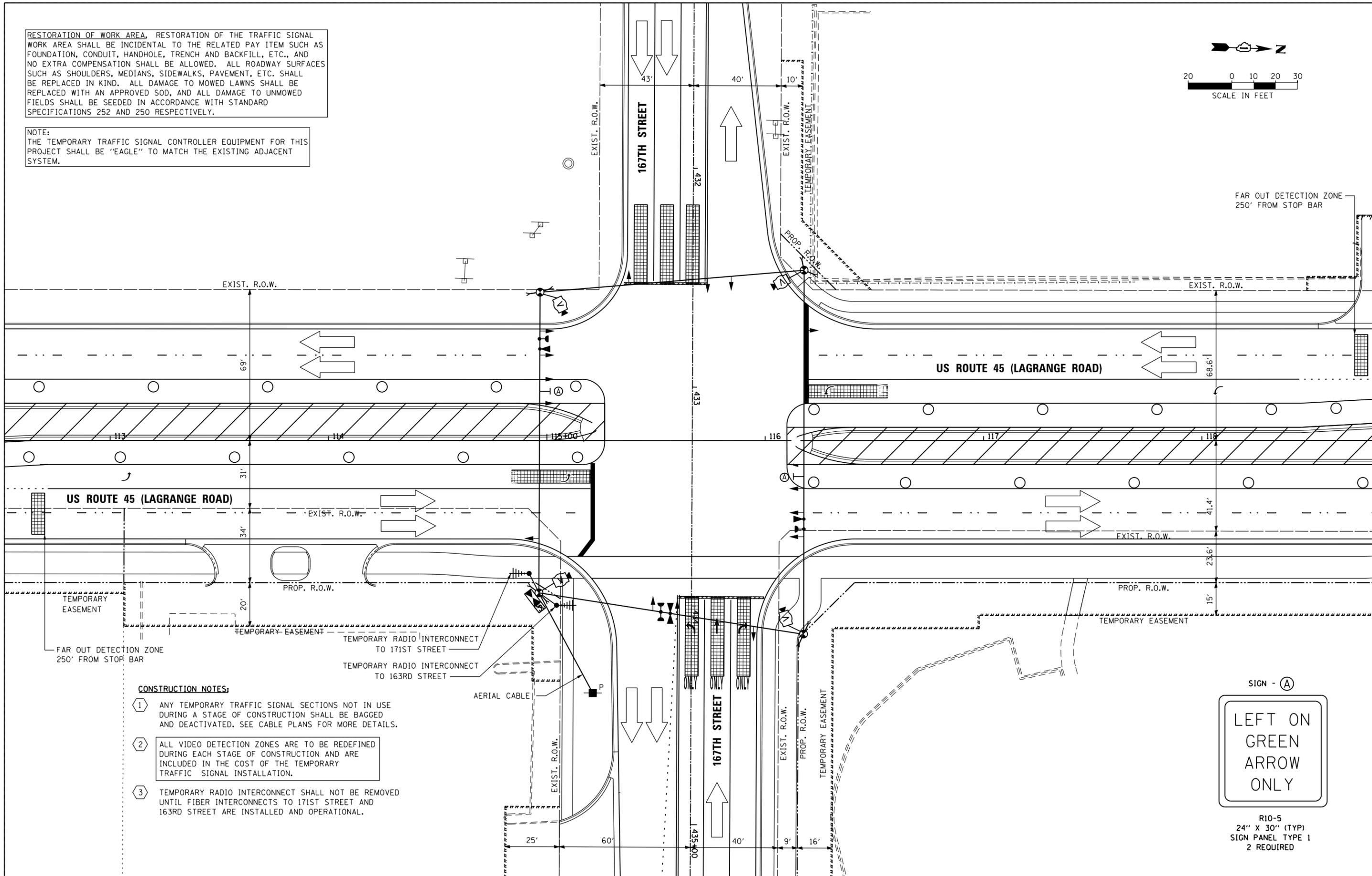
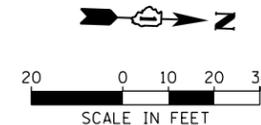
**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 3  
US 45 (LAGRANGE ROAD) AND 167TH STREET**

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	487
<b>TD-28</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 171ST STREET AND 163RD STREET ARE INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =  
D160F05-SHT-TD29.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
DRAWN - MRF  
PLOT SCALE = 40.0025' / in.  
PLOT DATE = 3/14/2013

DESIGNED - MRF  
CHECKED - MJL  
DATE - 03/13/13

REVISED -  
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REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

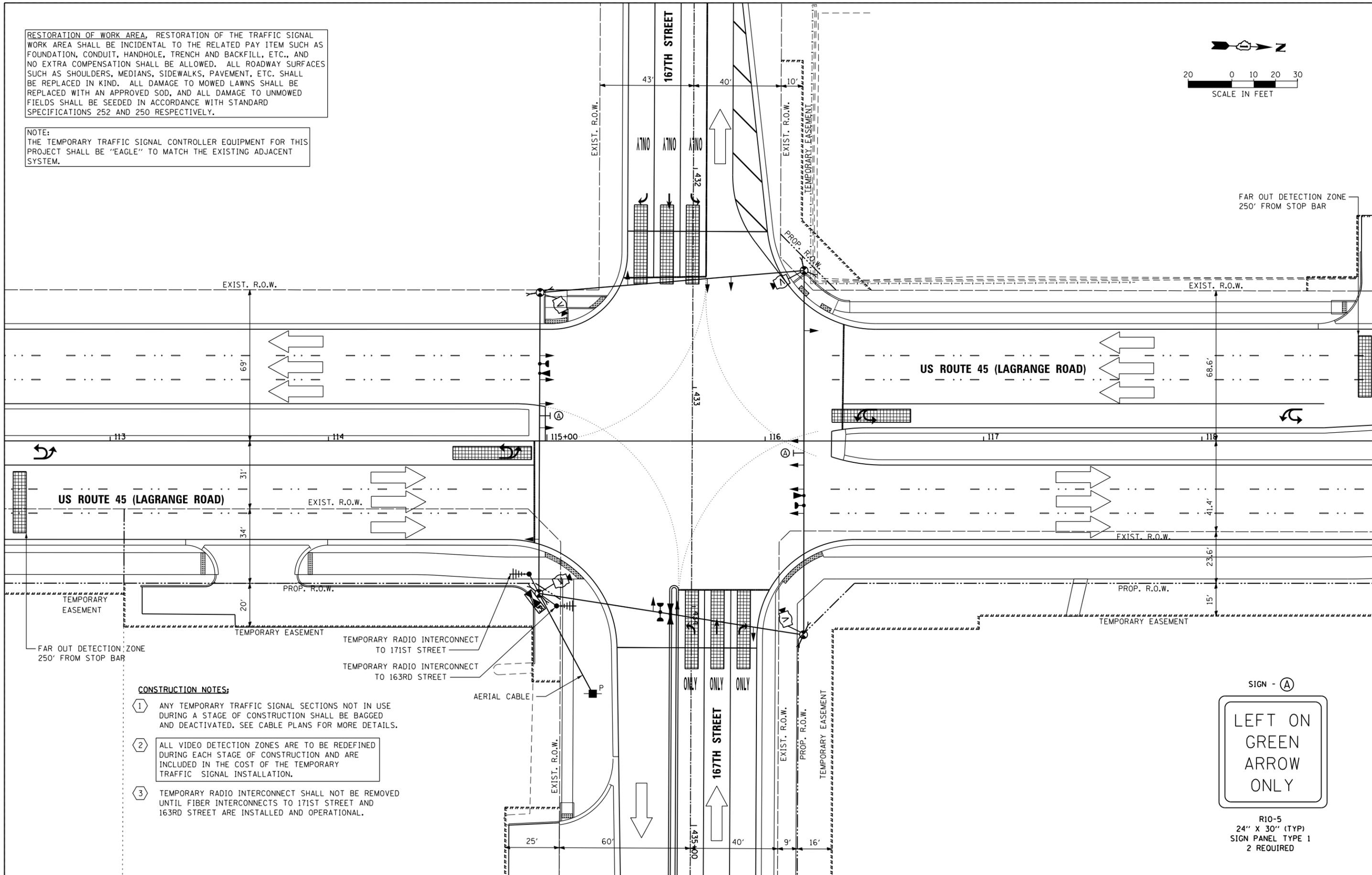
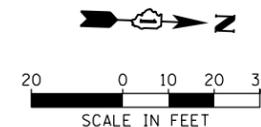
**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 4  
US 45 (LAGRANGE ROAD) AND 167TH STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	488
<b>TD-29</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

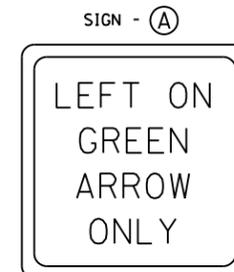
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 171ST STREET AND 163RD STREET ARE INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =  
D160F05-SHT-TD30.dgn  
SHT.PLAN

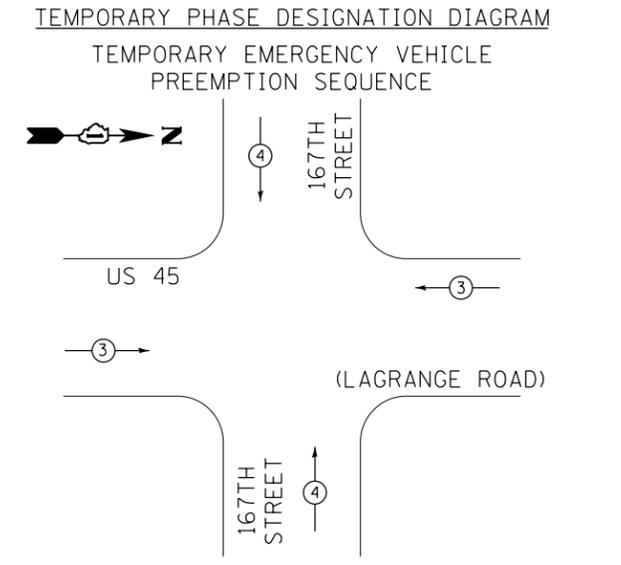
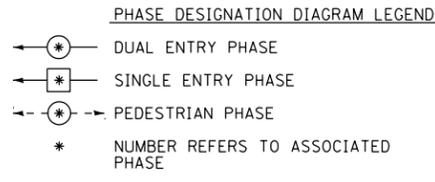
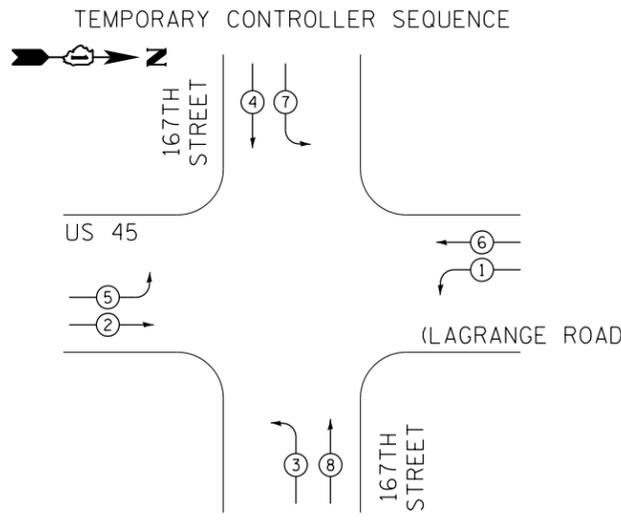
USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
	DRAWN - MRF	REVISED -
PLOT SCALE = 40.0025' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION - FINAL GEOMETRICS  
US 45 (LAGRANGE ROAD) AND 167TH STREET

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

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 489
TD-30		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

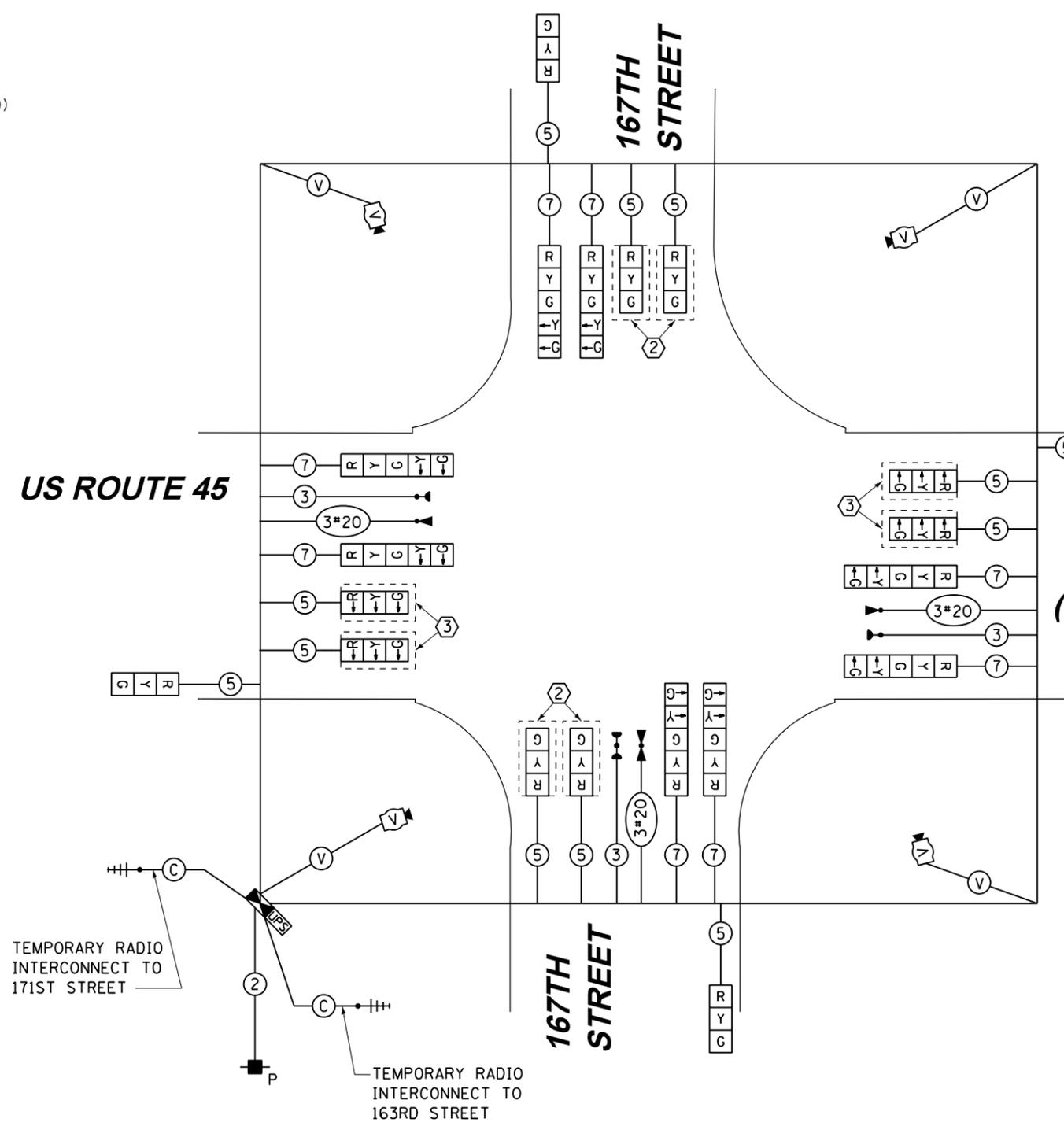


TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↑ ↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCANDE.)	LED	% OPERATION		
SIGNAL (RED)	14		17	0.50		119.0
(YELLOW)	14		25	0.25		87.5
(GREEN)	14		15	0.25		52.5
ARROW	16		12	0.10		19.2
PED. SIGNAL	--		25	1.00		0.0
CONTROLLER	1		100	1.00		100.0
ILLUM. SIGN	--		25	0.05		0.0
VIDEO SYSTEM	1		150	1.00		150.0
FLASHER			25	0.50		
ENERGY COST TO:					TOTAL =	528.2

VILLAGE OF ORLAND PARK  
14700 SOUTH RAVINIA AVE.

ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
PHONE: (708) 235-2337  
COMPANY: COMMONWEALTH EDISON



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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

- CONSTRUCTION NOTES:
- TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 163RD STREET AND 171ST STREET INTERSECTIONS ARE INSTALLED AND OPERATIONAL.
  - BAG AND DEACTIVATE SIGNAL SECTION DURING ALL STAGES EXCEPT STAGE 1A.
  - BAG AND DEACTIVATE SIGNAL SECTION DURING PRE-STAGE, STAGE 1, 1A, AND 1B.

**TEMPORARY CABLE PLAN  
PRE-STAGE, STAGE 1, 1A, & 1B**

100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

**URS**

FILE NAME = D:\160F05-SHT-TD31.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 48.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

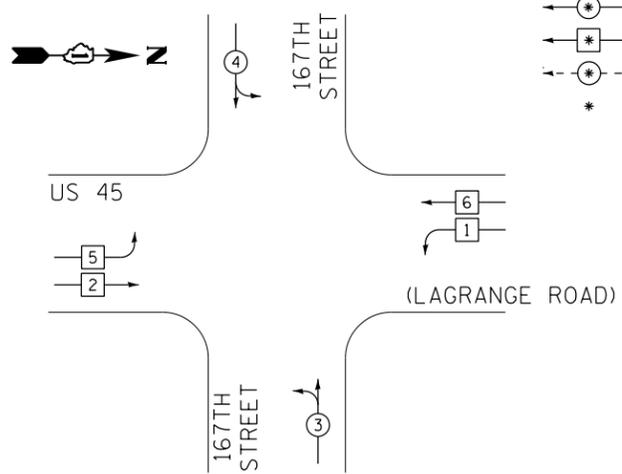
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**US 45 (LAGRANGE ROAD) AND 167TH STREET - PRE-STAGE, STAGE 1, 1A, & 1B**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 490
TD-31		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE

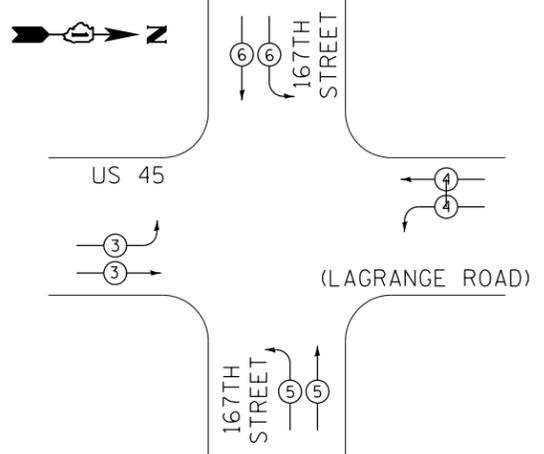


PHASE DESIGNATION DIAGRAM LEGEND

- ⊙ \* DUAL ENTRY PHASE
- ⊙ \* SINGLE ENTRY PHASE
- ⊙ \* PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTORS	3	4	5	6
MOVEMENT	→	→	→	→

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	LED	% OPERATION		
SIGNAL (RED)	20		17	0.50		170.0
(YELLOW)	20		25	0.25		125.0
(GREEN)	24		15	0.25		90.0
ARROW	8		12	0.10		9.6
PED. SIGNAL	--		25	1.00		0.0
CONTROLLER	1		100	1.00		100.0
ILLUM. SIGN	--		25	0.05		0.0
VIDEO SYSTEM	1		150	1.00		150.0
FLASHER			25	0.50		
ENERGY COST TO:					TOTAL =	644.6

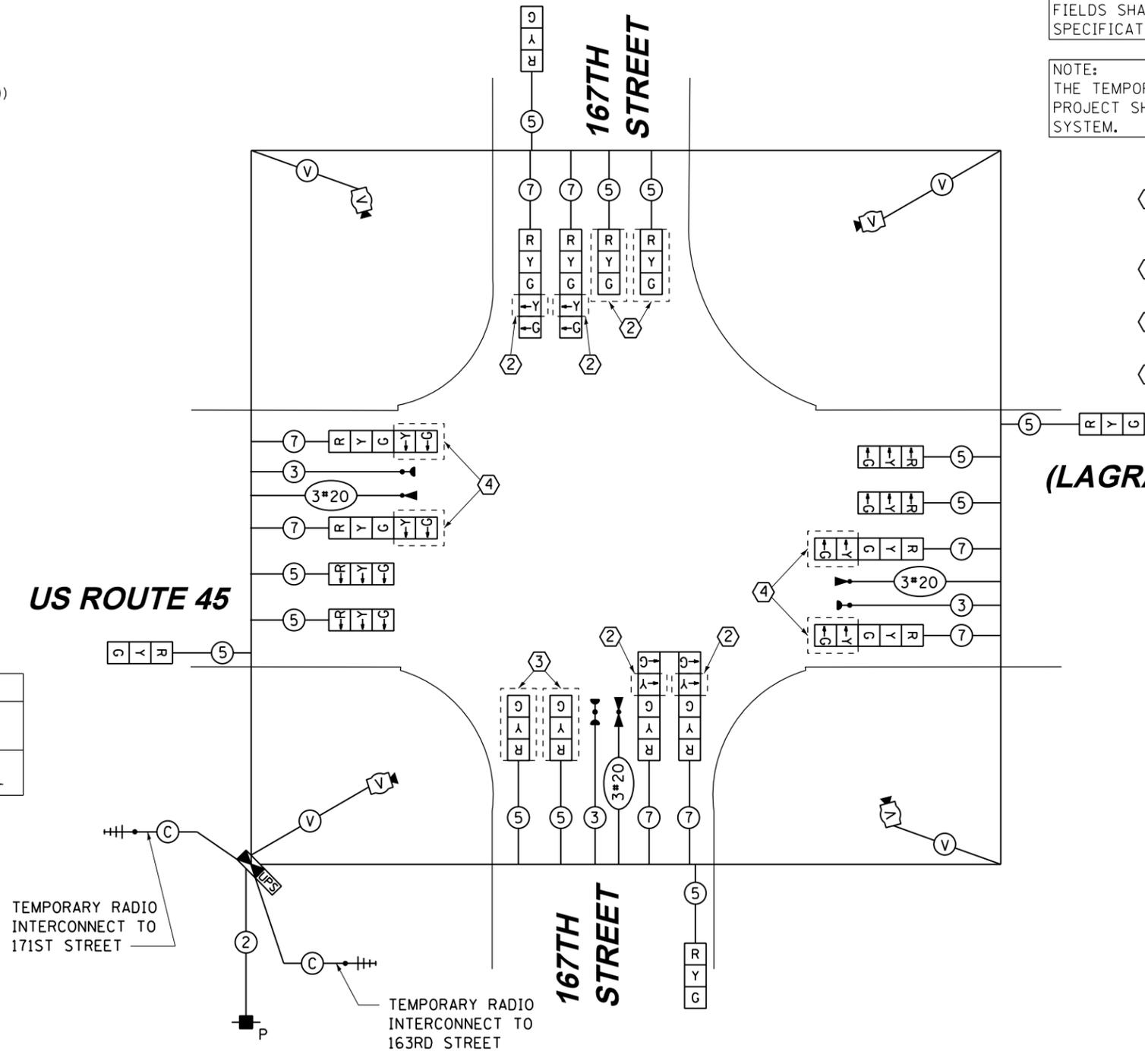
VILLAGE OF ORLAND PARK  
14700 SOUTH RAVINIA AVE.  
ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
PHONE: (708) 235-2337  
COMPANY: COMMONWEALTH EDISON

US ROUTE 45

TEMPORARY RADIO INTERCONNECT TO 171ST STREET

TEMPORARY RADIO INTERCONNECT TO 163RD STREET

TEMPORARY CABLE PLAN  
STAGE 2, 2A, 2B & 3A



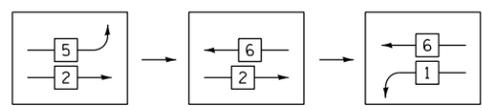
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTES:

- ① TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 163RD STREET AND 171ST STREET INTERSECTIONS ARE INSTALLED AND OPERATIONAL.
- ② BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 2A AND 2B.
- ③ BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 2A, 2B AND 3A.
- ④ BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 2, 2A, 2B AND 3A.

FOR PHASES 1, 2, 5, & 6 IN THE PHASE DESIGNATION DIAGRAM SHOWN AT TOP LEFT, THE FOLLOWING PHASE SEQUENCE SHALL BE FOLLOWED DURING STAGES 2, 2A AND 2B:



PHASES 3, 4, 7, & 8 SHALL FOLLOW THE STANDARD SEQUENCE IN ACCORDANCE WITH STATE STANDARD 857001

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

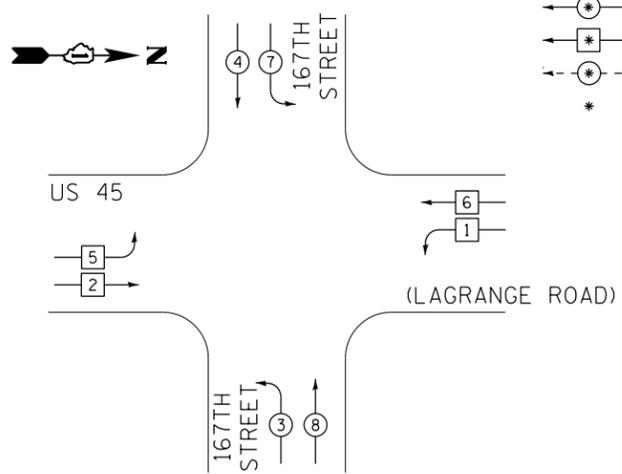
FILE NAME = D:\160F05-SHT-TD32.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISIONS
SHT.PLAN	PLOT SCALE = 48.0000' / in.	DRAWN - MRF	REVISIONS
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISIONS
		DATE - 03/13/13	REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

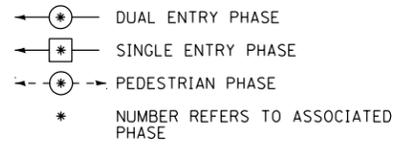
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
US 45 (LAGRANGE ROAD) AND 167TH STREET - STAGE 2, 2A, 2B & 3A  
SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 491
TD-32		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE

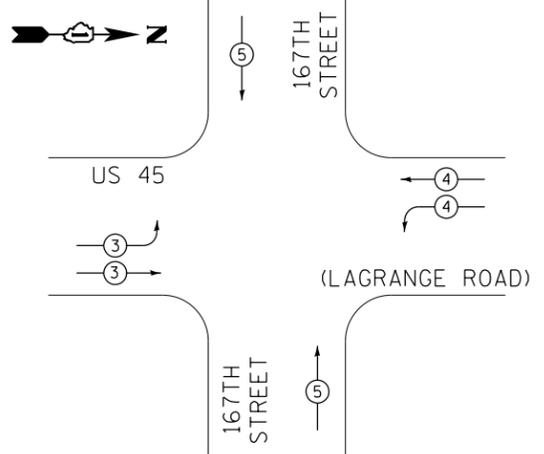


PHASE DESIGNATION DIAGRAM LEGEND



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	→	↑

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCANDE.)	LED	% OPERATION	
SIGNAL (RED)	16		17	0.50	136.0
(YELLOW)	16		25	0.25	100.0
(GREEN)	16		15	0.25	60.0
ARROW	8		12	0.10	9.6
PED. SIGNAL	--		25	1.00	0.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	--		25	0.05	0.0
VIDEO SYSTEM	1		150	1.00	150.0
FLASHER			25	0.50	
ENERGY COST TO:				TOTAL =	555.6

VILLAGE OF ORLAND PARK  
14700 SOUTH RAVINIA AVE.  
ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
PHONE: (708) 235-2337  
COMPANY: COMMONWEALTH EDISON

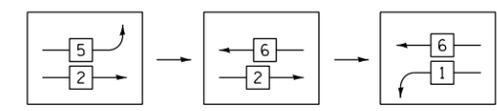
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTES:

- ① TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 163RD STREET AND 171ST STREET INTERSECTIONS ARE INSTALLED AND OPERATIONAL.
- ② BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 3, 3B, 3C, 4 AND FINAL GEOMETRICS.

FOR PHASES 1, 2, 5, & 6 IN THE PHASE DESIGNATION DIAGRAM SHOWN AT TOP LEFT, THE FOLLOWING PHASE SEQUENCE SHALL BE FOLLOWED DURING STAGE 4:

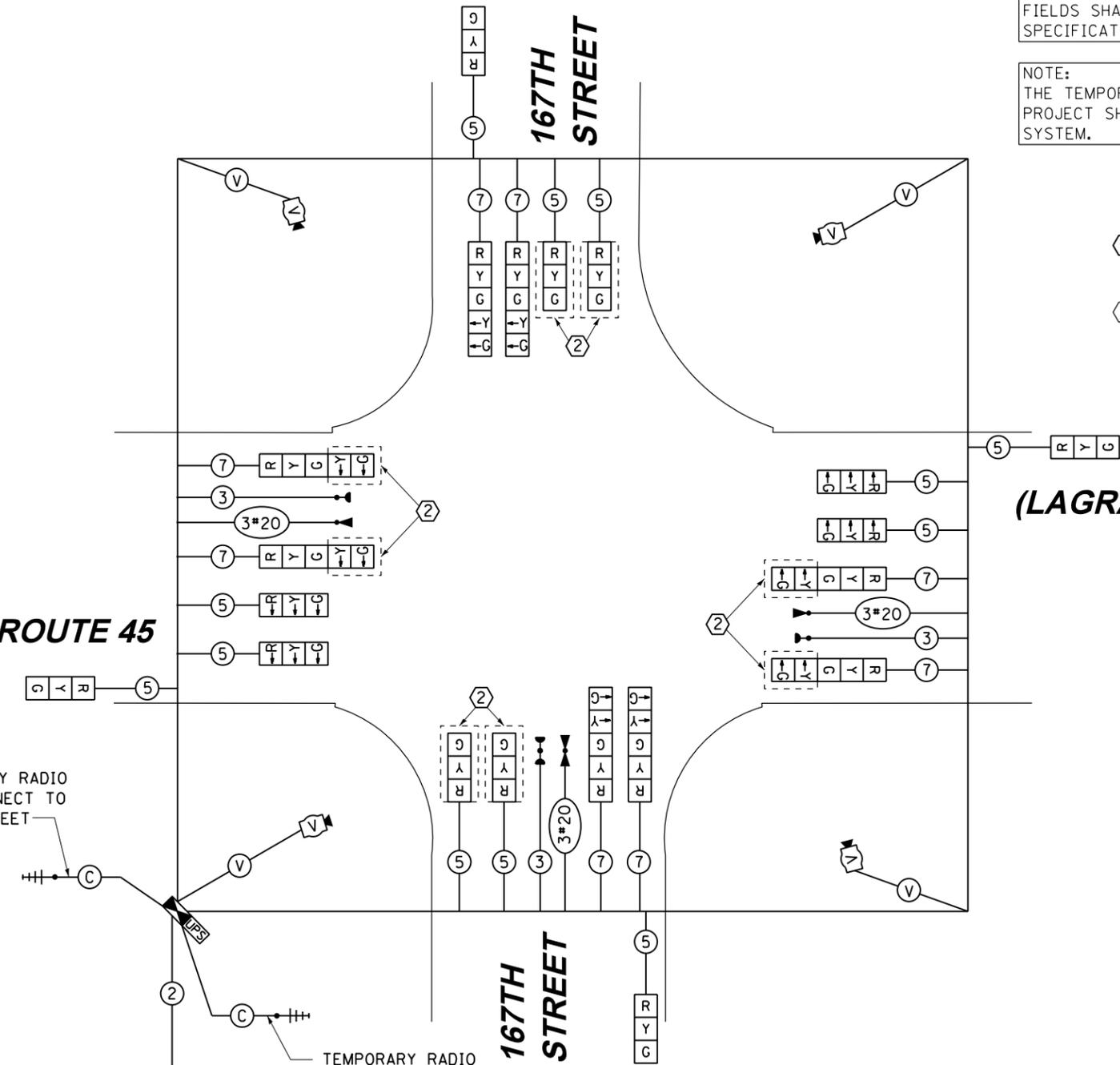


PHASES 3, 4, 7, & 8 SHALL FOLLOW THE STANDARD SEQUENCE IN ACCORDANCE WITH STATE STANDARD 857001

US ROUTE 45

TEMPORARY RADIO INTERCONNECT TO 171ST STREET

TEMPORARY RADIO INTERCONNECT TO 163RD STREET



TEMPORARY CABLE PLAN  
STAGE 3, 3B, 3C, 4, & FINAL GEOMETRICS

100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998



FILE NAME = D:\160F05-SHT-TD32B.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
SHT.PLAN	PLOT SCALE = 48.0000' / in.	DRAWN - MRF	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
US 45 (LAGRANGE ROAD) AND 167TH STREET - STAGE 3, 3B, 3C, 4, & FINAL GEOMETRICS  
SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 492
TD-32B		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

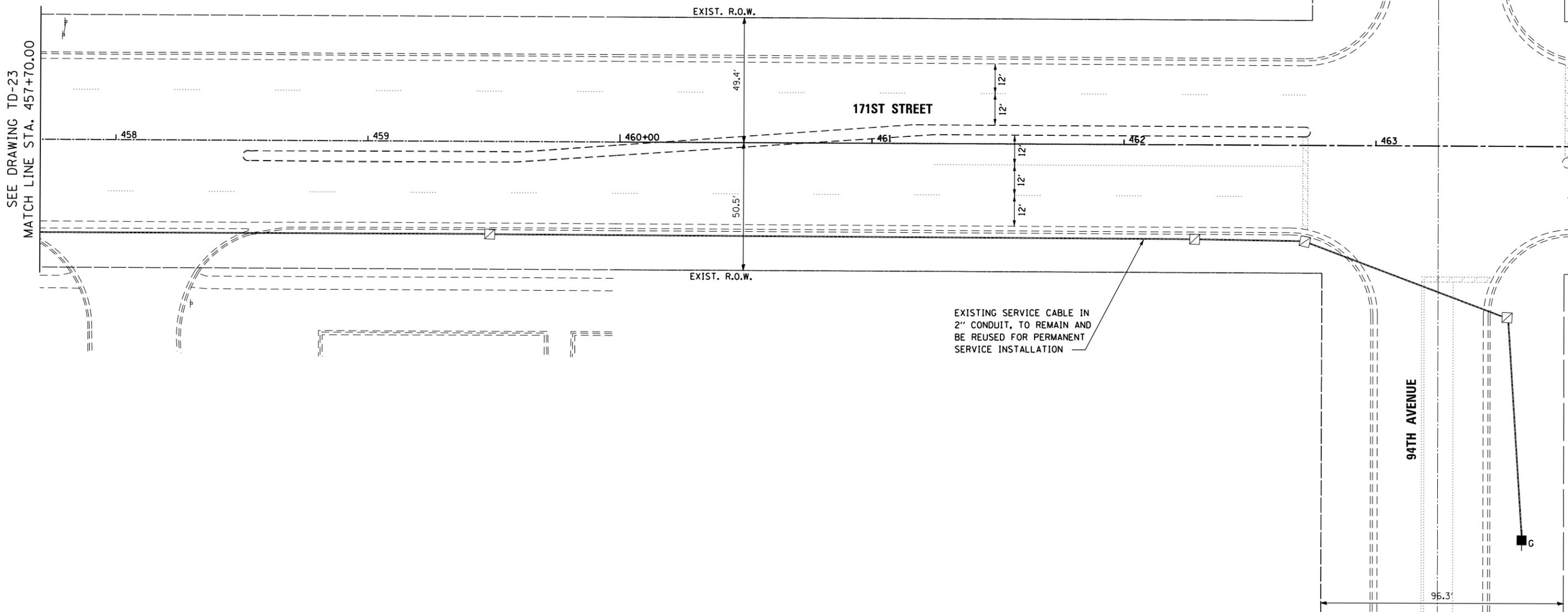
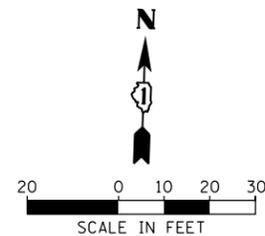
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.

**GENERAL NOTES**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



SEE DRAWING TD-23  
MATCH LINE STA. 457+70.00

**URS**  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4198

FILE NAME =	USER NAME = Frank.Stallone
D160F05-SHT-TD23A.dgn	
SHT.PLAN	

DESIGNED - MRF	REVISOR -
DRAWN - MRF	REVISIONS -
CHECKED - MJL	REVISIONS -
DATE - 03/13/13	REVISIONS -

DESIGNED - MRF	REVISOR -
DRAWN - MRF	REVISIONS -
CHECKED - MJL	REVISIONS -
DATE - 03/13/13	REVISIONS -

DESIGNED - MRF	REVISOR -
DRAWN - MRF	REVISIONS -
CHECKED - MJL	REVISIONS -
DATE - 03/13/13	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
US 45 (LAGRANGE ROAD) AND 171ST STREET**

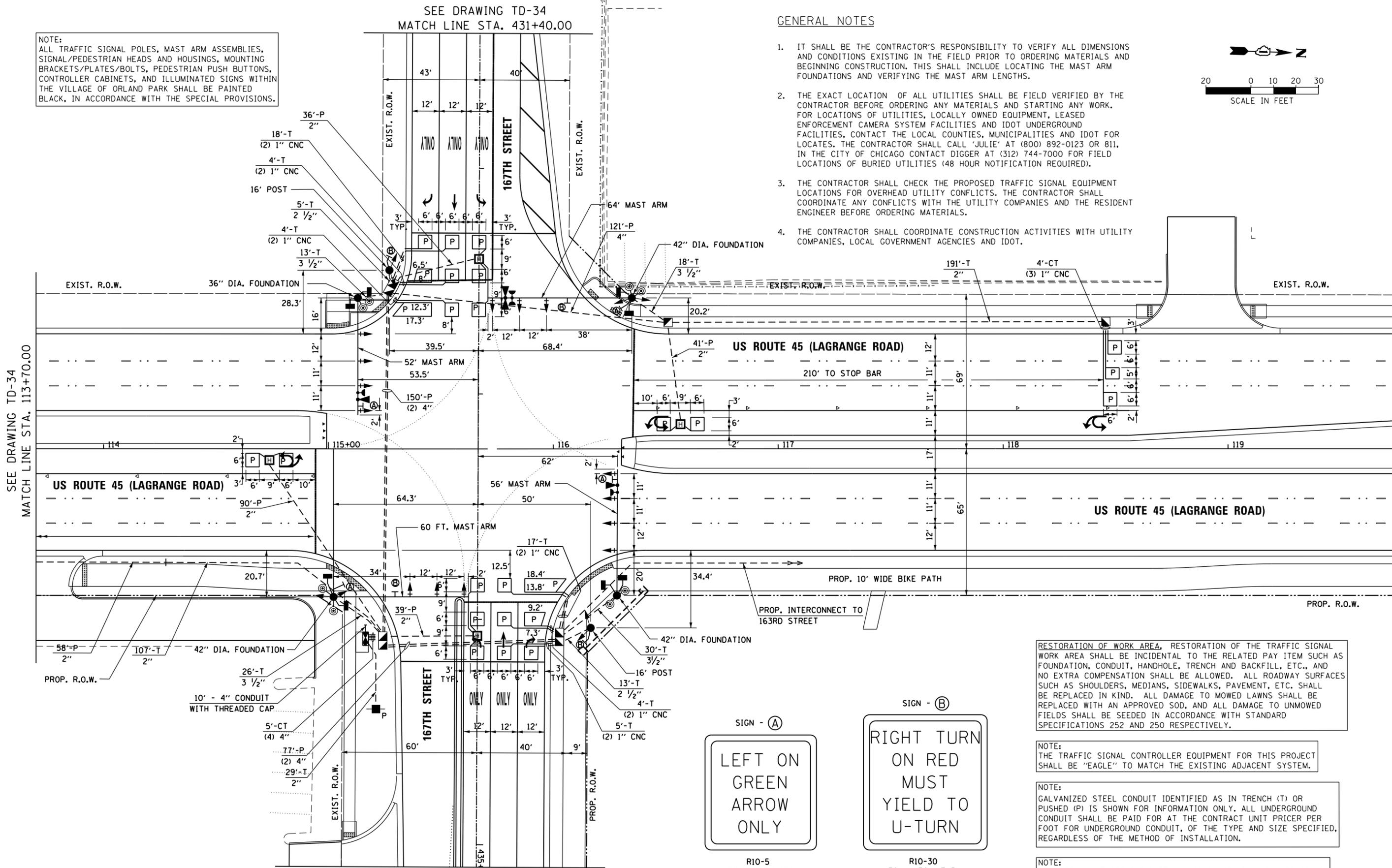
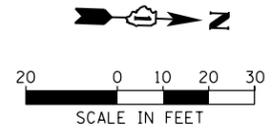
SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	493
<b>TD-23A</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

NOTE:  
ALL TRAFFIC SIGNAL POLES, MAST ARM ASSEMBLIES, SIGNAL/PEDESTRIAN HEADS AND HOUSINGS, MOUNTING BRACKETS/PLATES/BOLTS, PEDESTRIAN PUSH BUTTONS, CONTROLLER CABINETS, AND ILLUMINATED SIGNS WITHIN THE VILLAGE OF ORLAND PARK SHALL BE PAINTED BLACK, IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



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

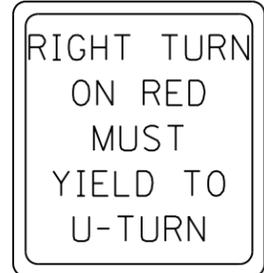
NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE 'EAGLE' TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.

NOTE:  
NEW PERMANENT SERVICE INSTALLATIONS WITH ILLUMINATED SIGNS AND/OR COMBINATION MAST ARM SIGNAL POLES SHALL BE METERED.



R10-5  
30" X 36" (TYP)  
SIGN PANEL TYPE 1  
4 REQUIRED



R10-30  
30" X 36" (TYP)  
SIGN PANEL TYPE 1  
4 REQUIRED

SEE DRAWING TD-34  
MATCH LINE STA. 435+10.00

SEE DRAWING TD-34  
MATCH LINE STA. 113+70.00



FILE NAME = D160F05-SHT-TD33.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

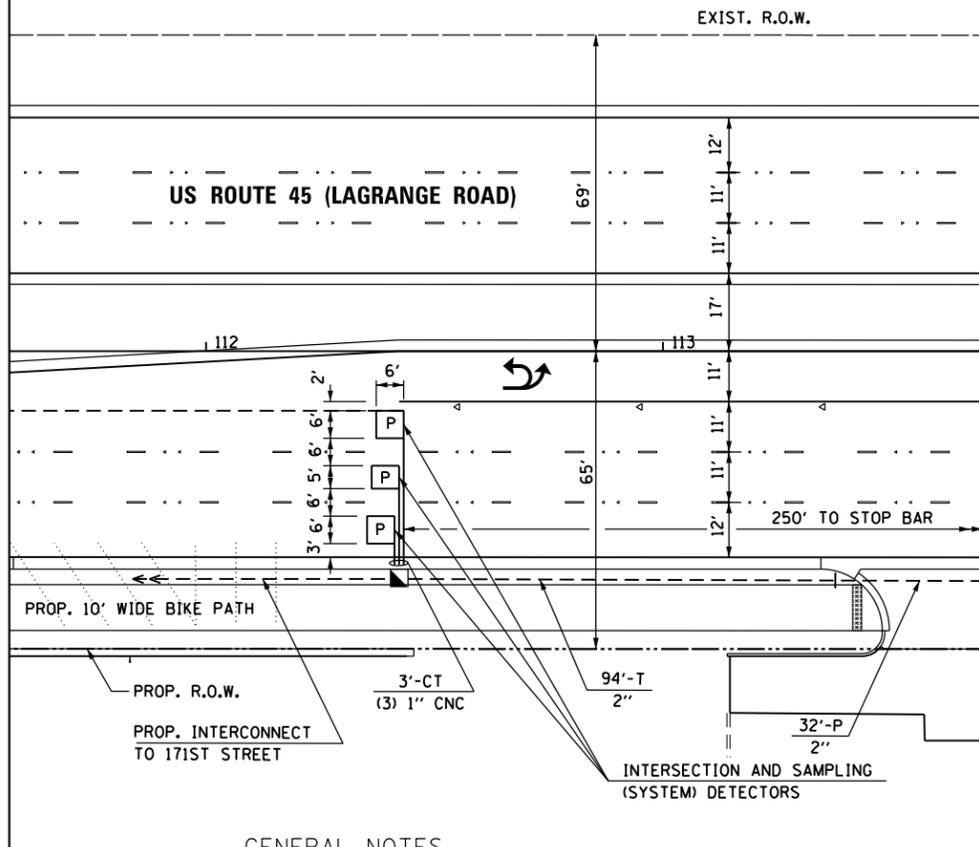
TRAFFIC SIGNAL INSTALLATION PLAN  
US 45 (LAGRANGE ROAD) AND 167TH STREET  
SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 494
TD-33		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

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

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

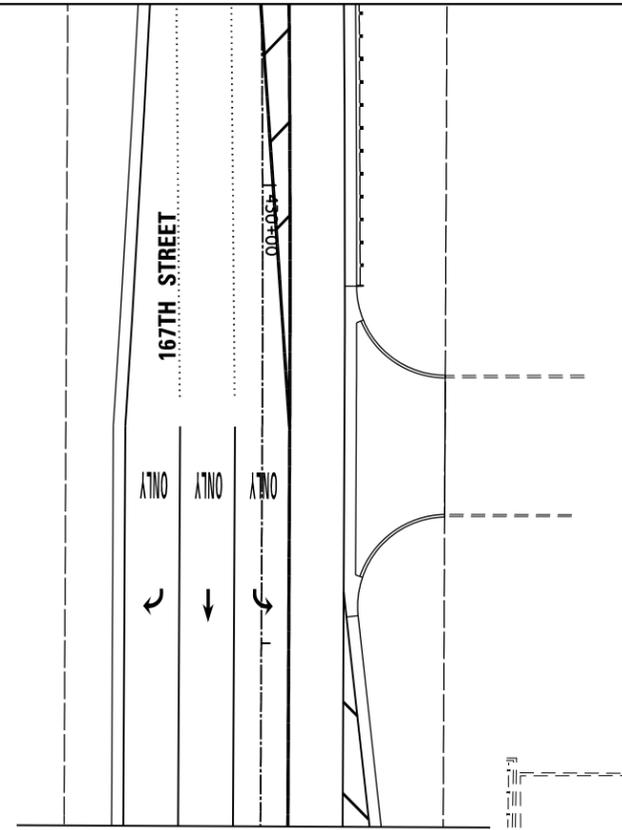
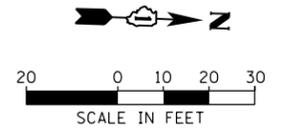
NOTE:  
GALVANIZED STEEL CONDUIT IDENTIFIED AS IN TRENCH (T) OR PUSHED (P) IS SHOWN FOR INFORMATION ONLY. ALL UNDERGROUND CONDUIT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICER PER FOOT FOR UNDERGROUND CONDUIT, OF THE TYPE AND SIZE SPECIFIED, REGARDLESS OF THE METHOD OF INSTALLATION.



SEE DRAWING TD-33  
MATCH LINE STA. 113+70.00

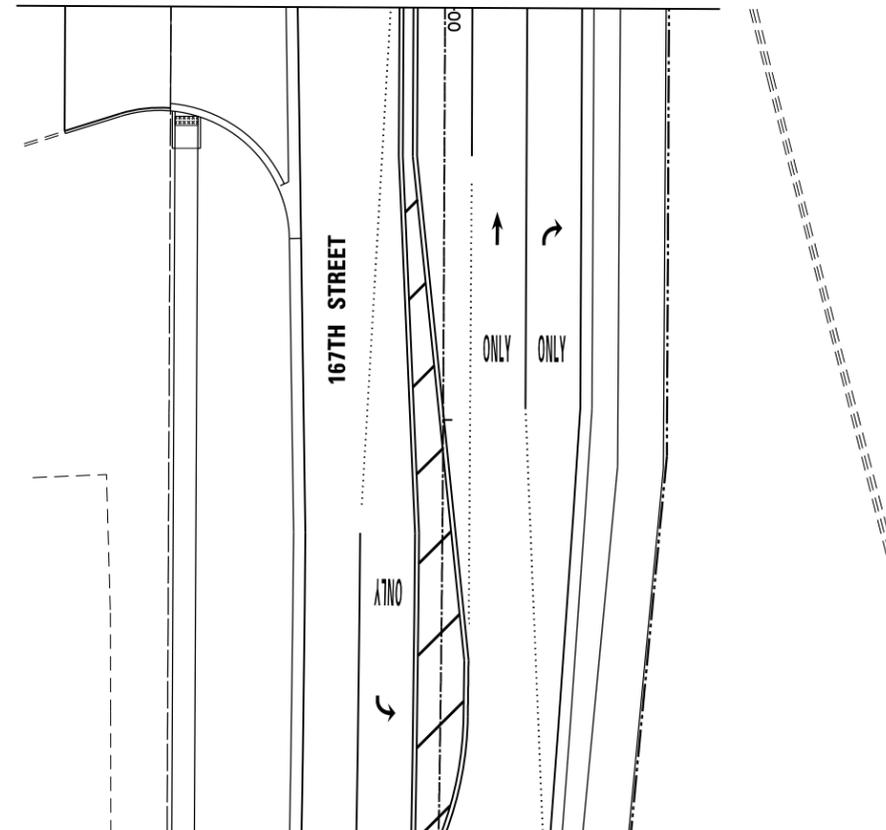
**GENERAL NOTES**

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



SEE DRAWING TD-33  
MATCH LINE STA. 431+40.00

SEE DRAWING TD-33  
MATCH LINE STA. 435+10.00



100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

**URS**

FILE NAME = D160F05-SHT-TD34.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

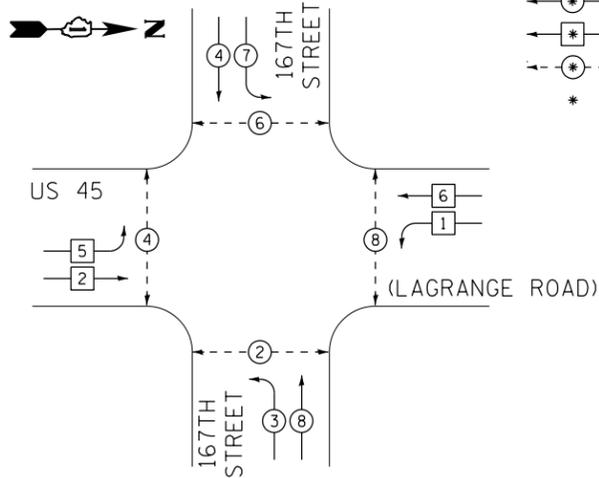
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
US 45 (LAGRANGE ROAD) AND 167TH STREET**

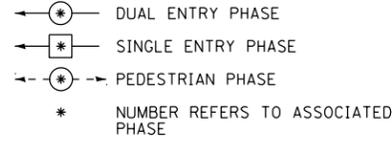
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 495
<b>TD-34</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE

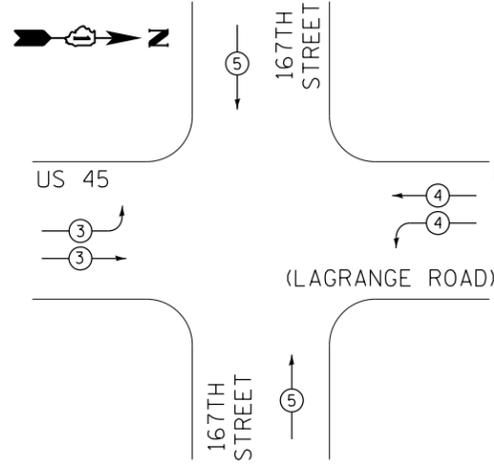


PHASE DESIGNATION DIAGRAM LEGEND



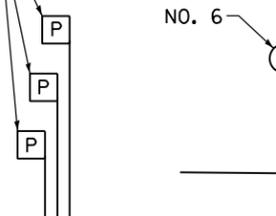
PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



US ROUTE 45

PROP. INTERSECTION AND (SAMPLING) SYSTEM DETECTORS



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION		
SIGNAL (RED)	22	17	0.50			187.0
(YELLOW)	22	25	0.25			137.5
(GREEN)	22	15	0.25			82.5
ARROW	8	12	0.10			9.6
PED. SIGNAL	4	25	1.00			100.0
CONTROLLER	1	100	1.00			100.0
ILLUM. SIGN	4	25	0.05			5.0
FLASHER		25	0.50			
ENERGY COST TO:	TOTAL =					621.6

VILLAGE OF ORLAND PARK  
14700 SOUTH RAVINIA AVE.

ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
PHONE: (708) 235-2337  
COMPANY: COMMONWEALTH EDISON

FILE NAME = D160F05-SHT-TD35.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

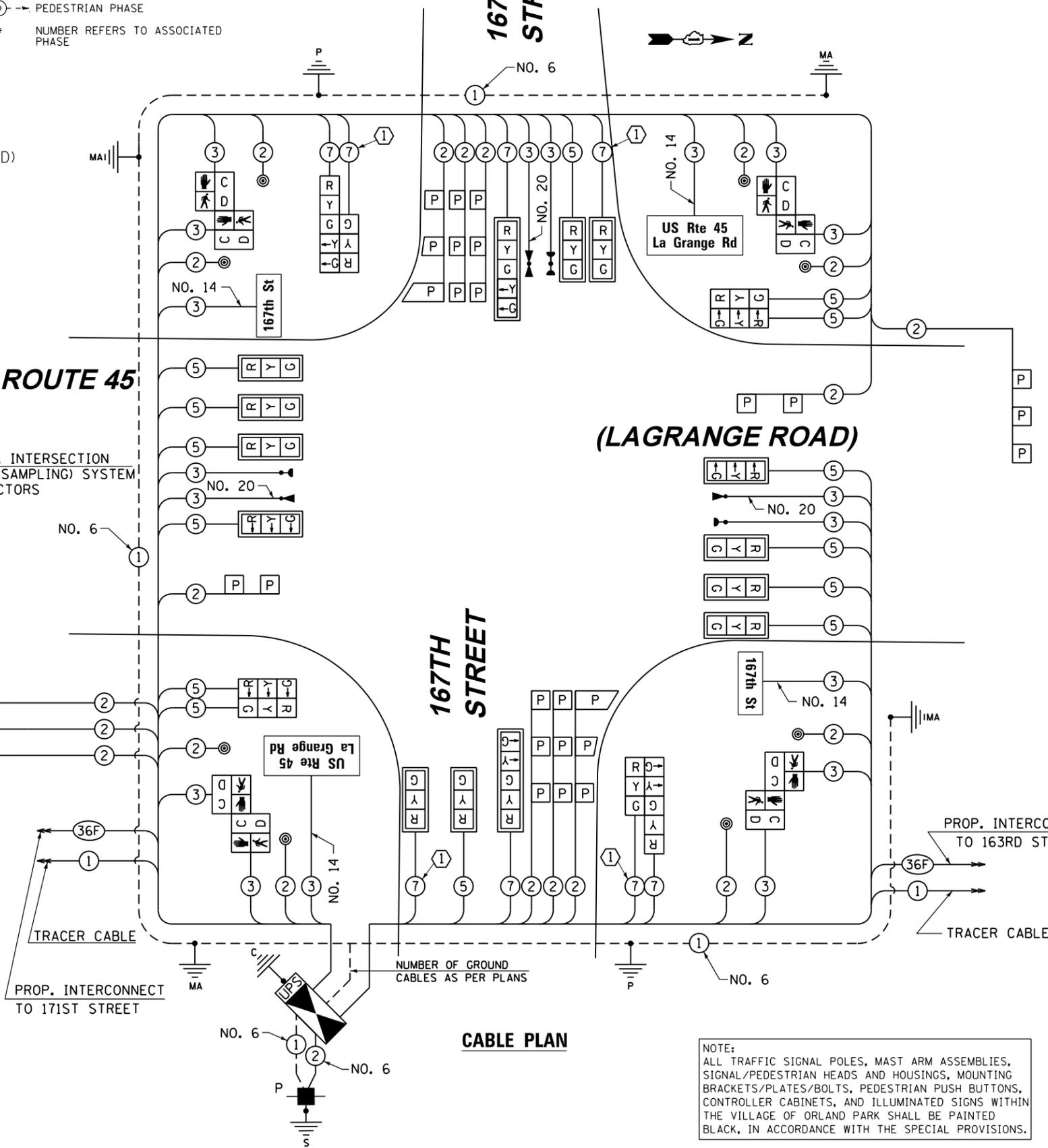
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			
US 45 (LAGRANGE ROAD) AND 167TH STREET			
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SO FT	60
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	717
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	18
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	87
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	597
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1529
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2492
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3203
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1755
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2818
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	47
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	675
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	63
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	12
PERFORMED DETECTOR LOOP	FOOT	996
* LIGHT DETECTOR	EACH	3
* 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	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	907
** LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

- \* 100% COST TO ORLAND FIRE PROTECTION DISTRICT
- \*\* 100% COST TO VILLAGE OF ORLAND PARK

CABLE PLAN



NOTE: ALL TRAFFIC SIGNAL POLES, MAST ARM ASSEMBLIES, SIGNAL/PEDESTRIAN HEADS AND HOUSINGS, MOUNTING BRACKETS/PLATES/BOLTS, PEDESTRIAN PUSH BUTTONS, CONTROLLER CABINETS, AND ILLUMINATED SIGNS WITHIN THE VILLAGE OF ORLAND PARK SHALL BE PAINTED BLACK, IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

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

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

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE: NEW PERMANENT SERVICE INSTALLATIONS WITH ILLUMINATED SIGNS AND/OR COMBINATION MAST ARM SIGNAL POLES SHALL BE METERED.

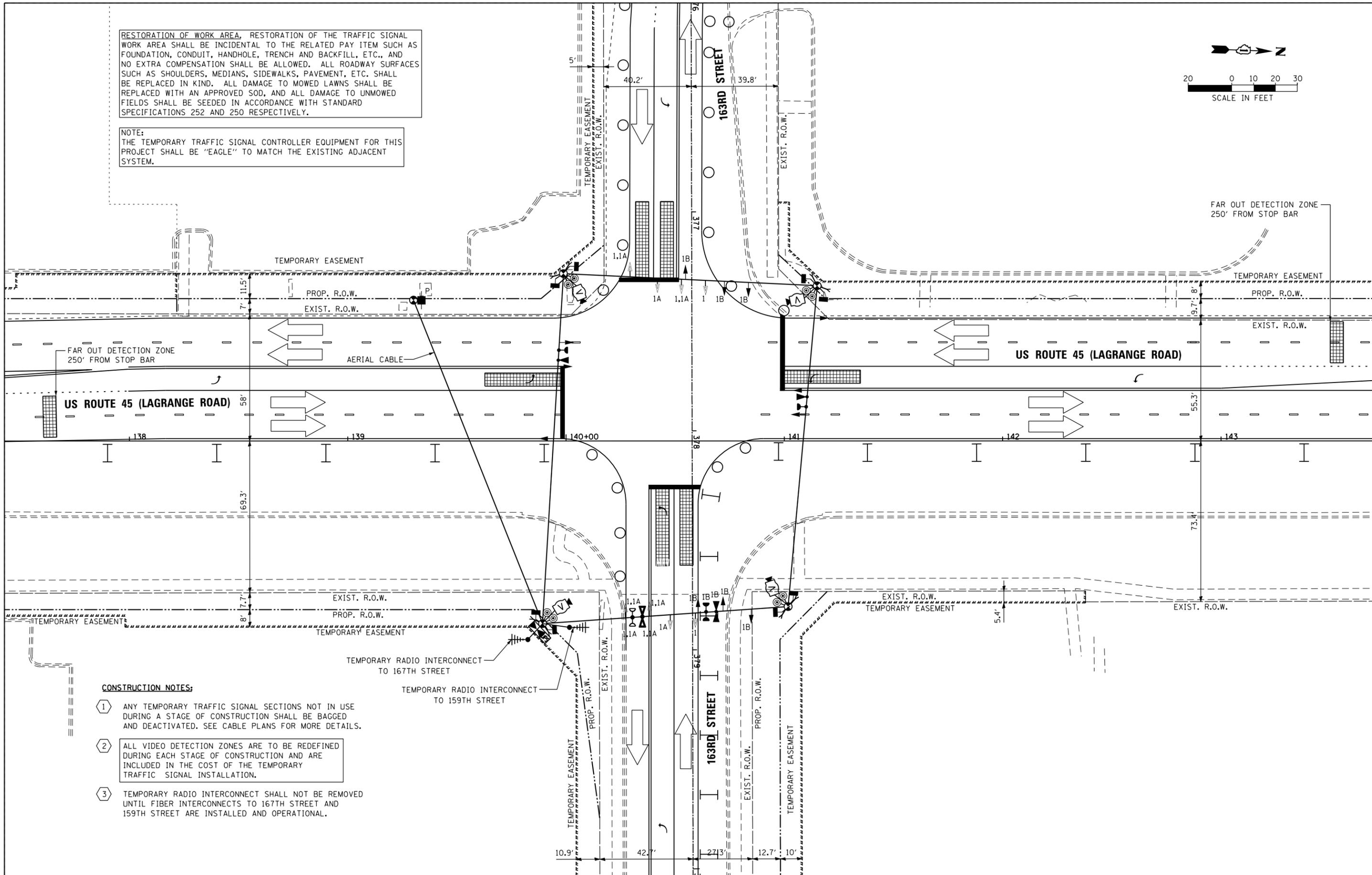
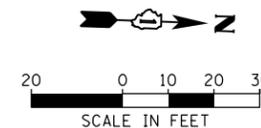
URS  
100 S. WACKER DR.  
SUITE 600  
CHICAGO, IL 60606  
TEL (312) 935-1000  
FAX (312) 935-4998

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 496
TS-35		CONTRACT NO. 60F05		ILLINOIS FED. AID PROJECT



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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- 1 ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- 2 ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3 TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 167TH STREET AND 159TH STREET ARE INSTALLED AND OPERATIONAL.

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998  
**URS**

FILE NAME = D160F05-SHT-TD37.dgn	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 1  
US 45 (LAGRANGE ROAD) AND 163RD STREET**

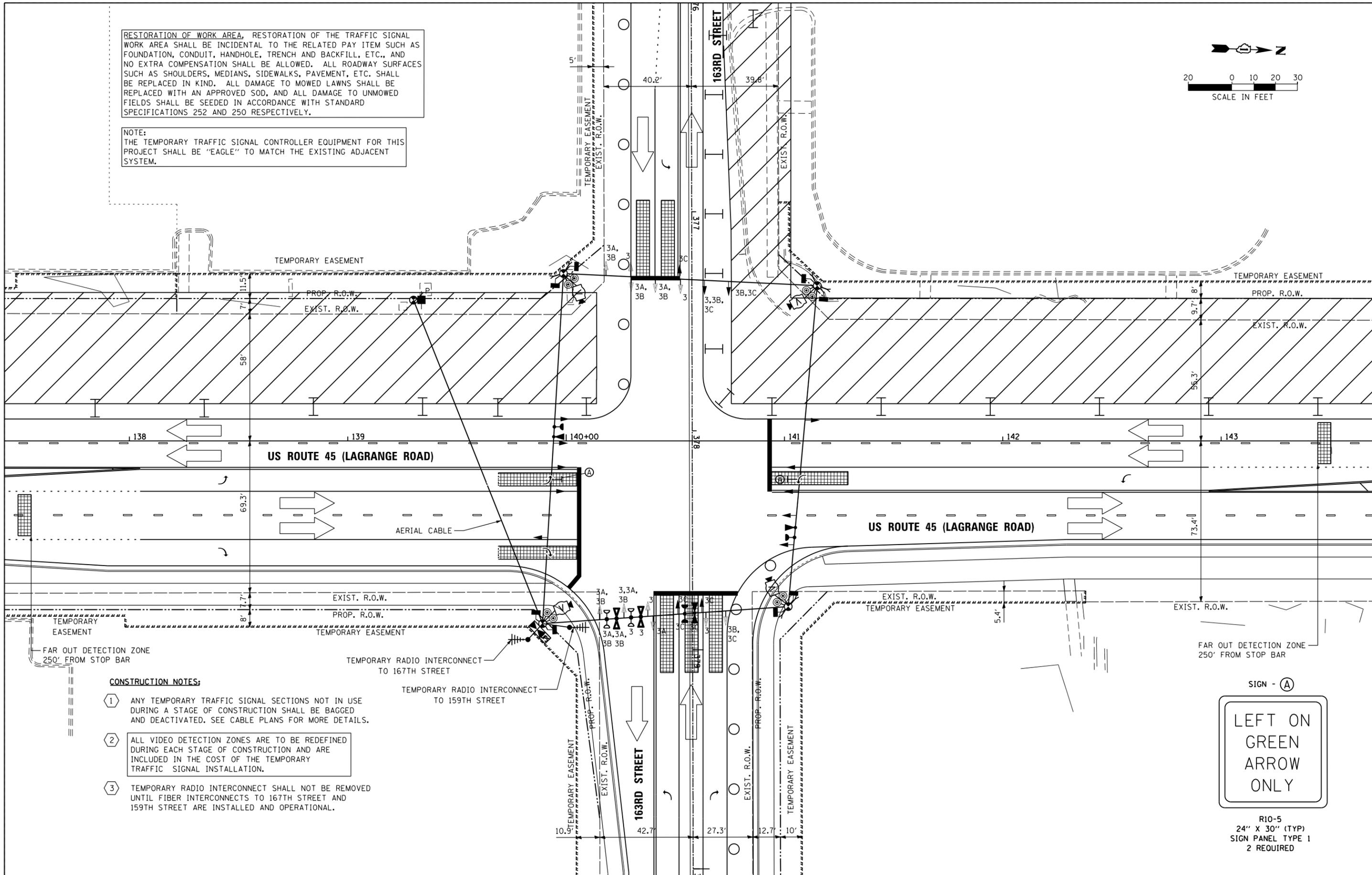
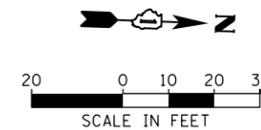
SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	498
<b>TD-37</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



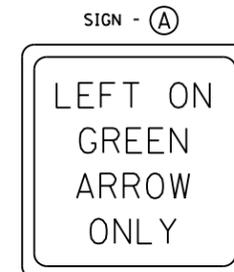
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**CONSTRUCTION NOTES:**

- ① ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLANS FOR MORE DETAILS.
- ② ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- ③ TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECTS TO 167TH STREET AND 159TH STREET ARE INSTALLED AND OPERATIONAL.



R10-5  
24" X 30" (TYP)  
SIGN PANEL TYPE 1  
2 REQUIRED

100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998  
**URS**

FILE NAME =	USER NAME = Frank.Stallone	DESIGNED - MRF	REVISED -
D160F05-SHT-TD39.dgn		DRAWN - MRF	REVISED -
		CHECKED - MJL	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 3  
US 45 (LAGRANGE ROAD) AND 163RD STREET**

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	500
<b>TD-39</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				