

**PART OF THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 4 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.**

**LEGEND**

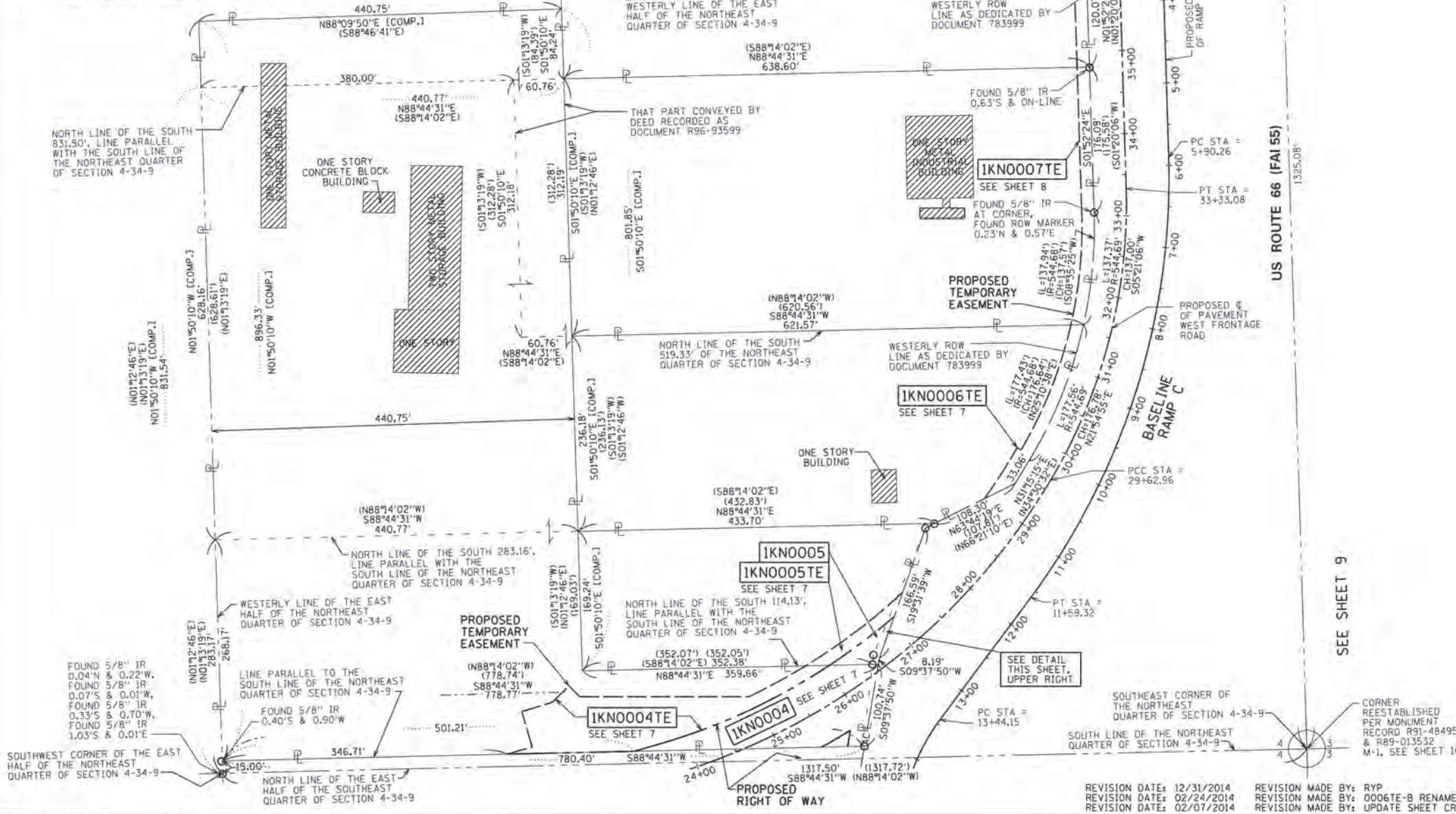
- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY DEED LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



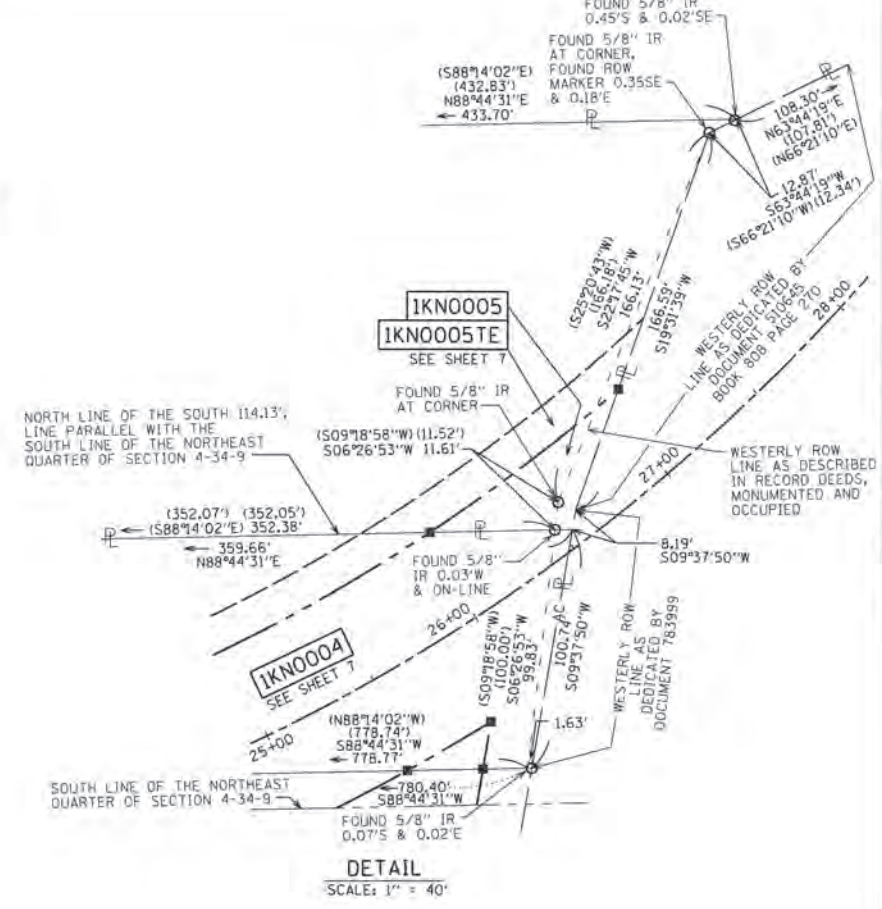
BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011, TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9997662896.

- NOTES:
1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
  2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
  3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
  4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
  5. SECTION CORNER RE-ESTABLISHED PER PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOCIATES, INC. UNDER JOB NO. 91-001-02 DATED AUGUST 22, 2002 IN CONJUNCTION WITH THE SURROUNDING SECTION MONUMENTATION FOUND AT THE TIME OF SURVEY.
  6. SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.



US ROUTE 66 (FAI 55)  
1325.08'



STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20 \_\_\_\_ A.D., AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**SPACECO, INC.**

CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 6

LIMITS: SECTION: AT INTERSTATE 55 TO STA. 24+00  
COUNTY: WILL JOB NO.: R-91-033-01  
TO STA. 36+81.46  
SCALE: 1" = 80' SHEET 6 OF 18 SHEETS

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

SHEET NO. 101 OF 225

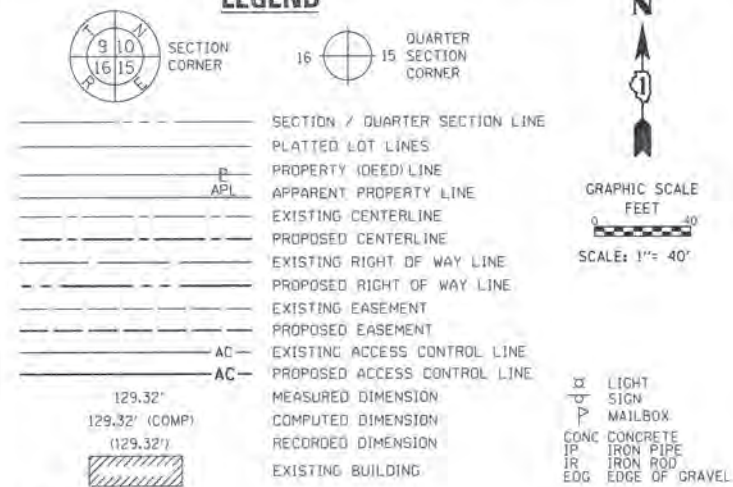
DOT USE ONLY  
65  
RECEIVED  
DEC 31 2014  
PLATS & LL -13

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 02/24/2014 REVISION MADE BY: 0006TE-B RENAME TO 0019TE/SDS  
REVISION DATE: 02/07/2014 REVISION MADE BY: UPDATE SHEET CROSS REFERENCES



PART OF THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 4 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND ⊕ "MAC" NAIL SET  
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1KN0004	9.886	0.336	0	9.550	0.372		04-10-04-208-023
1KN0004TE							
1KN0005	1.520	0.036	0	1.484	0.042		04-10-04-208-022
1KN0005TE							
1KN0006TE	3.060	0	0	3.060	0.084		04-10-04-208-020

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-00157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20 \_\_\_\_ A.D. AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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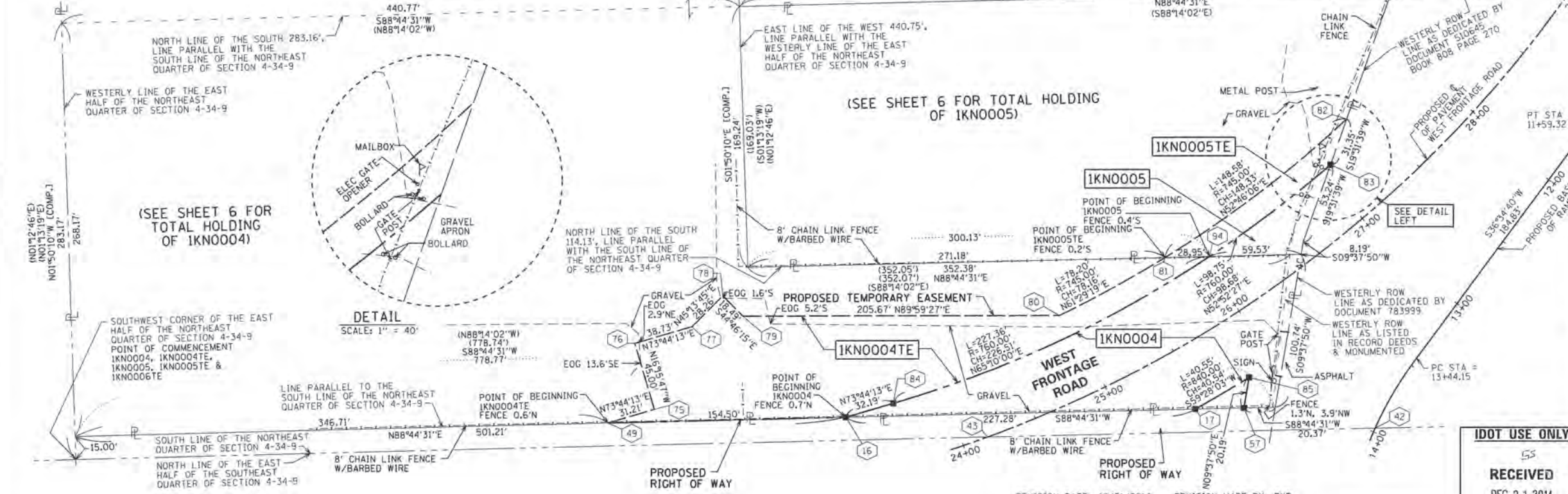
COORDINATE/STATION TABLE  
 ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset
16	1744554.11	1021152.04	23+31.88	40.00 L
17	1744559.10	1021379.26	25+44.00	40.00 R
42	1744546.66	1021496.09	13+97.37	0.00 L
43	1744541.13	1021244.18	24+16.75	0.00 R
49	1744550.72	1020997.58	21+82.65	80.00 L
57	1744559.79	1021410.80	25+70.09	55.21 R
75	1744559.46	1021027.54	22+13.86	80.00 L
76	1744602.66	1021014.94	22+13.86	125.00 L
77	1744613.50	1021052.12	22+52.59	125.00 L
78	1744633.41	1021072.18	22+77.43	138.49 L
79	1744620.28	1021085.20	22+86.26	122.24 L
80	1744620.31	1021290.88	24+93.10	55.00 L
81	1744657.62	1021359.56	25+77.07	55.00 L
82	1744747.37	1021477.66	27+36.62	55.00 L
83	1744717.81	1021467.18	27+07.34	40.00 L
84	1744563.12	1021182.93	23+64.07	40.00 L
85	1744579.70	1021414.18	25+82.61	40.00 R
86	1744859.87	1021576.45	28+97.66	55.00 L
87	1744922.18	1021616.42	29+77.43	54.97 L
88	1744919.46	1021621.15	29+77.40	49.51 L
89	1745070.19	1021681.41	31+53.66	49.54 L
94	1744658.25	1021388.50	26+03.40	40.00 L

PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997662896.

NOTES:

1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
5. SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.



**SPACECO INC.**  
 CONSULTING ENGINEERS  
 SITE DEVELOPMENT ENGINEERS  
 LAND SURVEYORS

9575 W. Higgins Road, Suite 700,  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4040 Fax: (847) 696-4065

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 U.S. ROUTE 6

LIMITS: SECTION: AT INTERSTATE 55 JOB NO.: R-91-033-01  
 STA. 24+00 TO STA. 31+53.66  
 SCALE: 1" = 40' SHEET 7 OF 18 SHEETS

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

SHEET NO. 102 OF 225

RECEIVED  
 DEC 31 2014  
 PLATS & LE 13

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
 REVISION DATE: 09/08/2014 REVISION MADE BY: RYP  
 REVISION DATE: 02/24/2014 REVISION MADE BY: 0006TE-B RENAME TO 0019TE/SDS  
 REVISION DATE: 02/07/2014 REVISION MADE BY: SDS



**PART OF THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 4 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.**

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1KN0007TE	4.559	0	0	4.559	0.108		04-10-04-208-021
1KN0019TE	7.786	0	0	7.786	0.069		04-10-04-208-020

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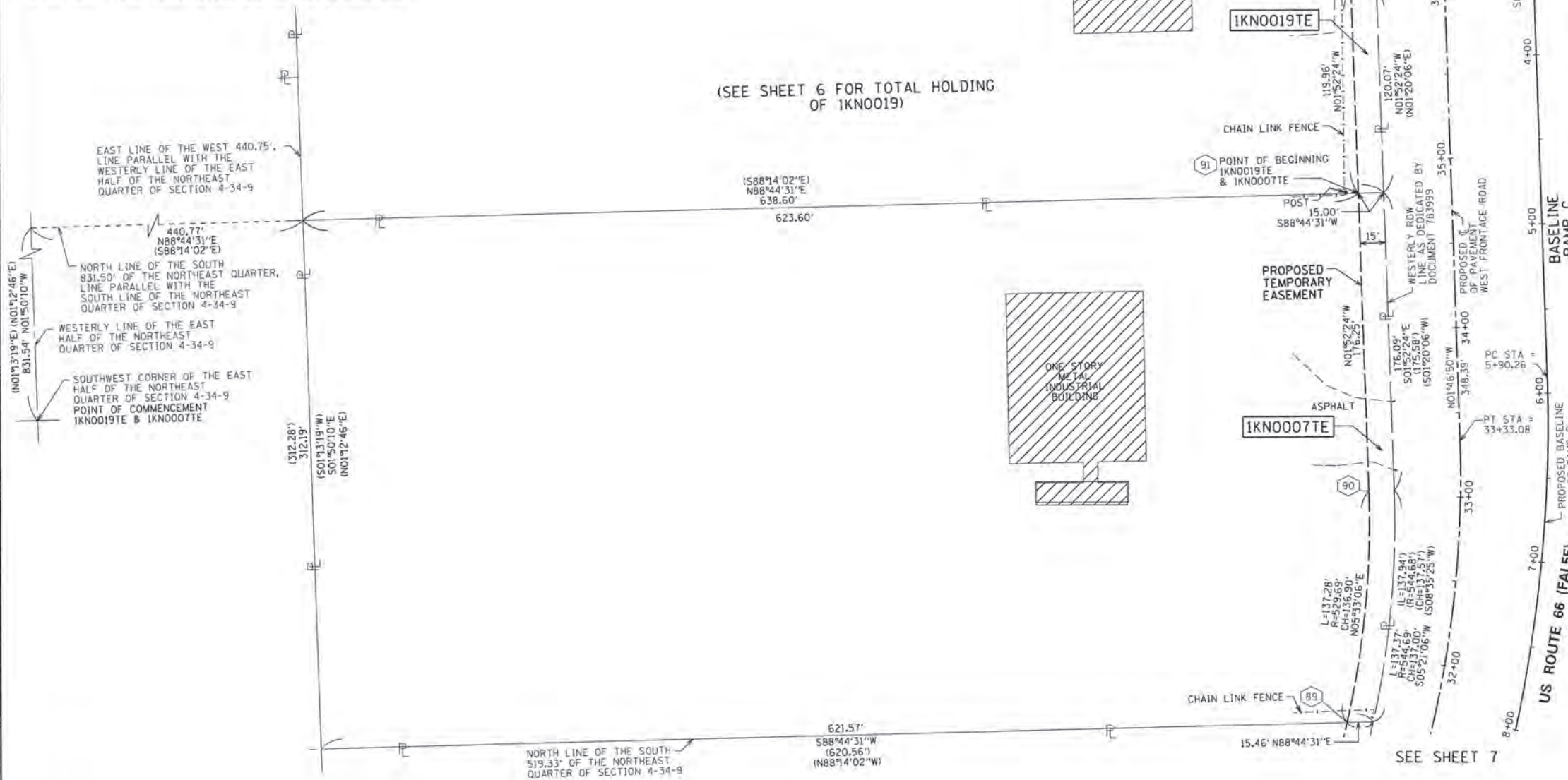
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**COORDINATE/STATION TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset
89	1745070.19	1021681.41	31+53.66	49.54 L
90	1745206.44	1021694.66	33+02.66	54.15 L
91	1745382.60	1021688.90	34+81.45	55.09 L
92	1745582.50	1021682.49	36+81.46	55.28 L
93	1745582.83	1021697.49	36+81.33	40.28 L
95	1745502.46	1021684.97	36+01.41	55.28 L

(SEE SHEET 6 FOR TOTAL HOLDING OF 1KN0019TE)



**LEGEND**

SECTION CORNER 9 10 15 16 QUARTER SECTION CORNER

GRAPHIC SCALE FEET 1" = 40'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011) ADJUSTMENT, EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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COUNTY OF COOK )

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**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 66

LIMITS: SECTION: AT INTERSTATE 55 COUNTY: WILL  
JOB NO.: R-91-033-01  
STA. 31+53.66 TO STA. 36+81.46  
SCALE: 1" = 40' SHEET 8 OF 18 SHEETS

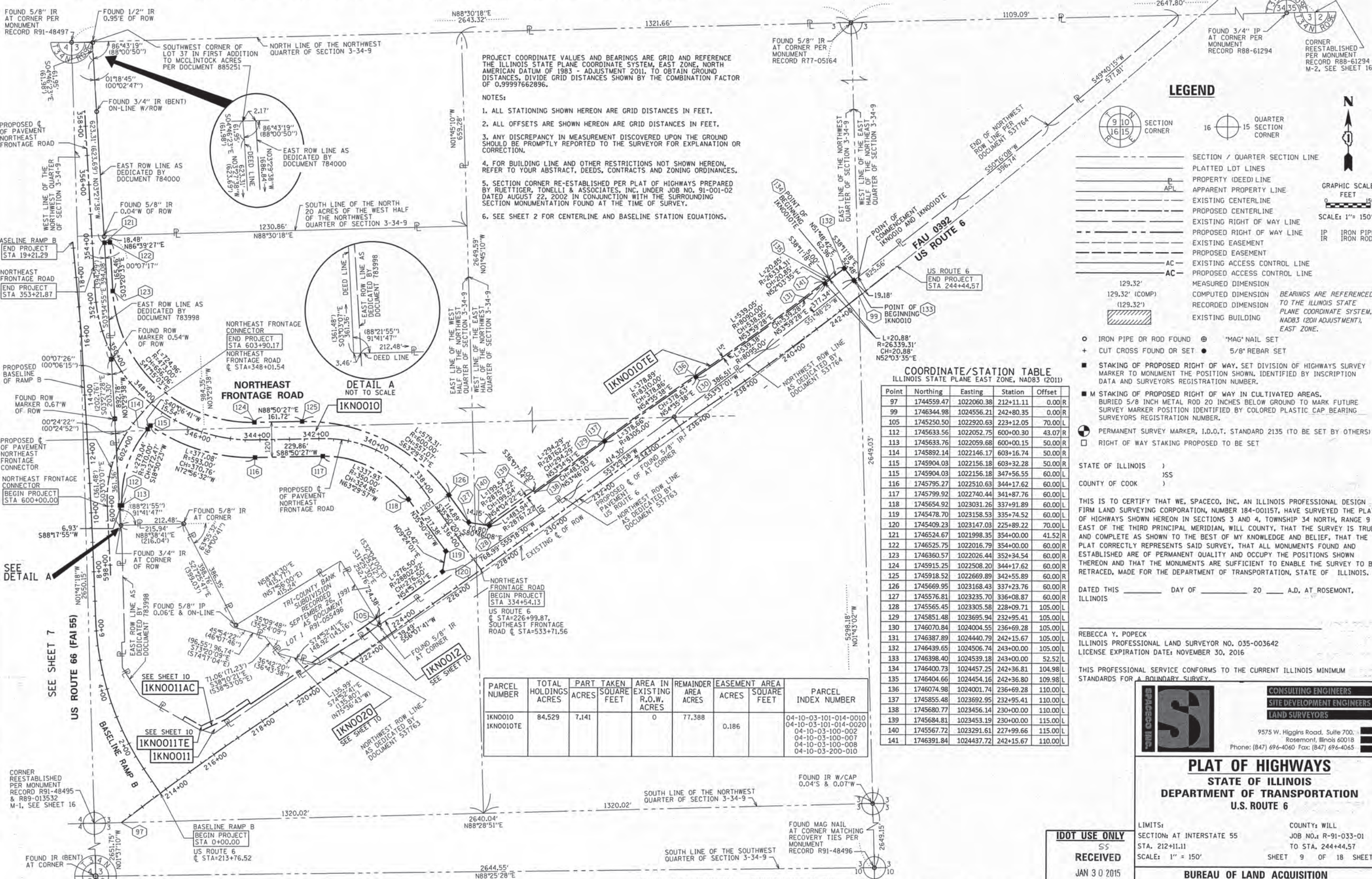
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196 SHEET NO. 103 OF 225

RECEIVED  
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PLATS & LL

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 02/24/2014 REVISION MADE BY: 0006TE-B RENAME TO 0019TE/SDS  
REVISION DATE: 02/07/2014 REVISION MADE BY: SDS



PART OF THE NORTH HALF OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



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6. SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.

### LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
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- GRAPHIC SCALE
- SCALE: 1" = 150'
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

COORDINATE/STATION TABLE  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset
97	1744559.47	1022060.38	212+11.11	0.00 R
99	1746344.98	1024556.21	242+80.35	0.00 R
105	1745250.50	1022920.63	223+12.05	70.00 L
112	1745633.56	1022052.75	600+00.30	43.07 R
113	1745633.76	1022059.68	600+00.15	50.00 R
114	1745892.14	1022146.17	603+16.74	50.00 R
115	1745904.03	1022156.18	603+32.28	50.00 R
115	1745904.03	1022156.18	347+56.55	60.00 L
116	1745795.27	1022510.63	344+17.62	60.00 L
117	1745799.92	1022740.44	341+87.76	60.00 L
118	1745654.92	1023031.26	337+91.89	60.00 L
119	1745478.70	1023158.53	335+74.52	60.00 L
120	1745409.23	1023147.03	225+89.22	70.00 L
121	1746524.67	1021998.35	354+00.00	41.52 R
122	1746525.75	1022016.79	354+00.00	60.00 R
123	1746360.57	1022026.44	352+34.54	60.00 R
124	1745915.25	1022508.20	344+17.62	60.00 R
125	1745918.52	1022669.89	342+55.89	60.00 R
126	1745669.95	1023168.43	337+23.76	60.00 R
127	1745576.81	1023235.70	336+08.87	60.00 R
128	1745565.45	1023305.58	228+09.71	105.00 L
129	1745851.48	1023695.94	232+95.41	105.00 L
130	1746070.84	1024004.55	236+69.28	105.00 L
131	1746387.89	1024440.79	242+15.67	105.00 L
132	1746439.65	1024506.74	243+00.00	105.00 L
133	1746398.40	1024539.18	243+00.00	52.52 L
134	1746400.73	1024457.25	242+36.81	104.98 L
135	1746404.66	1024454.16	242+36.80	109.98 L
136	1746074.98	1024001.74	236+69.28	110.00 L
137	1745855.48	1023692.95	232+95.41	110.00 L
138	1745680.77	1023456.14	230+00.00	110.00 L
139	1745684.81	1023453.19	230+00.00	115.00 L
140	1745567.72	1023291.61	227+99.66	115.00 L
141	1746391.84	1024437.72	242+15.67	110.00 L

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IKNO010	84.529	7.141		0	77.388	0.186		04-10-03-101-014-0010
IKNO010TE								04-10-03-101-014-0020
								04-10-03-100-002
								04-10-03-100-007
								04-10-03-100-008
								04-10-03-200-010

RECEIVED  
JAN 30 2015  
PLATS & LEGALS

**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

9575 W. Higgins Road, Suite 700  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

### PLAT OF HIGHWAYS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 6

LIMITS: SECTION: AT INTERSTATE 55 TO STA. 212+11.11  
SCALE: 1" = 150'

COUNTY: WILL  
JOB NO.: R-91-033-01  
TO STA. 244+44.57  
SHEET 9 OF 18 SHEETS

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

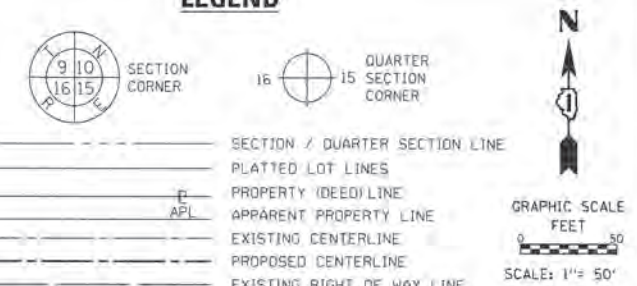
SHEET NO. 104 OF 225

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 07/18/2014 REVISION MADE BY: JMS  
REVISION DATE: 03/21/2014 REVISION MADE BY: SDS  
REVISION DATE: 01/30/2015 REVISION MADE BY: SDS  
REVISION DATE: 01/13/2015 REVISION MADE BY: RYP



PART OF THE NORTHWEST QUARTER OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



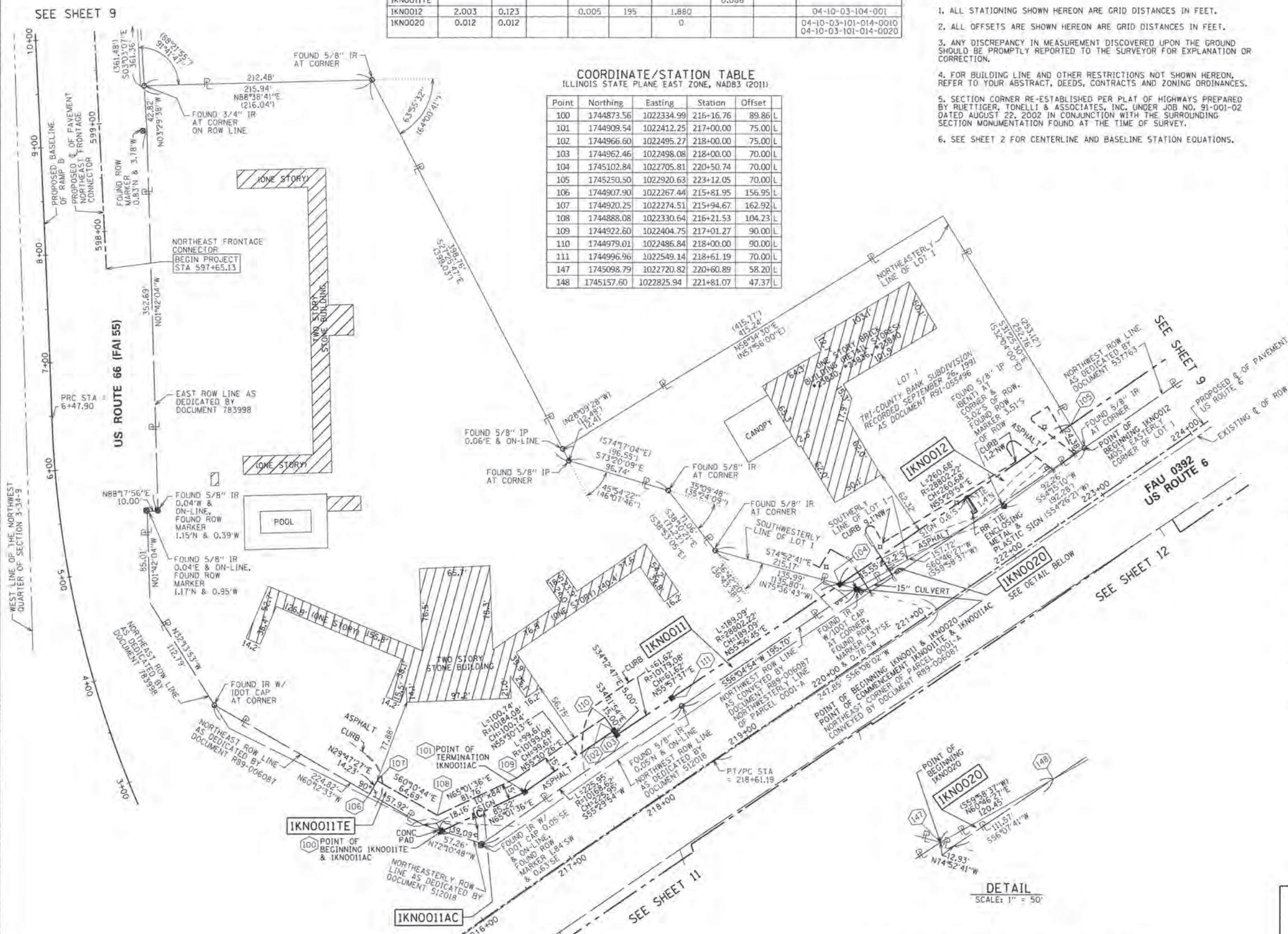
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
IKN0010 IKN0010TE	84.529	7.141		0	77.388	0.186		04-10-03-101-014-0010 04-10-03-101-014-0020 04-10-03-100-002 04-10-03-100-007 04-10-03-100-008
IKN0011 IKN0011TE	5.857	0.142		0	5.715	0.086		04-10-03-100-004
IKN0012	2.003	0.123		0.005	1.880			04-10-03-104-001
IKN0020	0.012	0.012			0			04-10-03-101-014-0010 04-10-03-101-014-0020

PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011, TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997662896.

- NOTES:
1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
  2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
  3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
  4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
  5. SECTION CORNER RE-ESTABLISHED PER PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOCIATES, INC. UNDER JOB NO. 91-001-02 DATED AUGUST 22, 2002 IN CONJUNCTION WITH THE SURROUNDING SECTION MONUMENTATION FOUND AT THE TIME OF SURVEY.
  6. SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.

COORDINATE/STATION TABLE  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset
100	1744873.56	1022334.99	216+16.76	89.86 L
101	1744909.54	1022412.25	217+00.00	75.00 L
102	1744966.60	1022495.27	218+00.00	75.00 L
103	1744962.46	1022498.08	218+00.00	70.00 L
104	1745102.84	1022705.81	220+50.74	70.00 L
105	1745250.50	1022920.63	223+12.05	70.00 L
106	1744907.90	1022267.44	215+81.95	156.95 L
107	1744920.25	1022274.51	215+94.67	162.92 L
108	1744888.08	1022330.64	216+21.53	104.23 L
109	1744922.60	1022404.75	217+01.27	90.00 L
110	1744979.01	1022486.84	218+00.00	90.00 L
111	1744996.96	1022549.14	218+61.19	70.00 L
147	1745098.79	1022720.82	220+60.89	58.20 L
148	1745157.60	1022825.94	221+81.07	47.37 L



- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
  - ⊕ 'MAC' NAIL SET
  - + CUT CROSS FOUND OR SET
  - 5/8" REBAR SET
  - STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20 \_\_\_\_ A.D. AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**SPACECO INC.**  
CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 6

LIMITS: SECTION: AT INTERSTATE 55  
STA. 215+81.95  
SCALE: 1" = 50'

COUNTY: WILL  
JOB NO.: R-91-033-01  
TO STA. 223+12.05  
SHEET 10 OF 18 SHEETS

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

SHEET NO. 105 OF 225

RECEIVED  
DEC 31 2014  
PLATS & L.L.

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 07/18/2014 REVISION MADE BY: JMS  
REVISION DATE: 03/21/2014 REVISION MADE BY: SDS

DETAIL  
SCALE: 1" = 50'



**PART OF THE NORTHWEST QUARTER OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.**

**LEGEND**

SECTION CORNER  
QUARTER SECTION CORNER  
SECTION / QUARTER SECTION LINE  
PLATTED LOT LINES  
PROPERTY (DEED) LINE  
APPL APPARENT PROPERTY LINE  
EXISTING CENTERLINE  
PROPOSED CENTERLINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
EXISTING EASEMENT  
PROPOSED EASEMENT  
EXISTING ACCESS CONTROL LINE  
AC PROPOSED ACCESS CONTROL LINE  
MEASURED DIMENSION  
129.32'  
129.32' (COMP)  
(129.32')  
COMPUTED DIMENSION  
RECORDED DIMENSION  
EXISTING BUILDING  
BOLLARD LIGHT (LP)  
SIGN  
CONC CONCRETE  
IRON PIPE  
IRON ROD  
IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET  
STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.  
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)  
RIGHT OF WAY STAKING PROPOSED TO BE SET

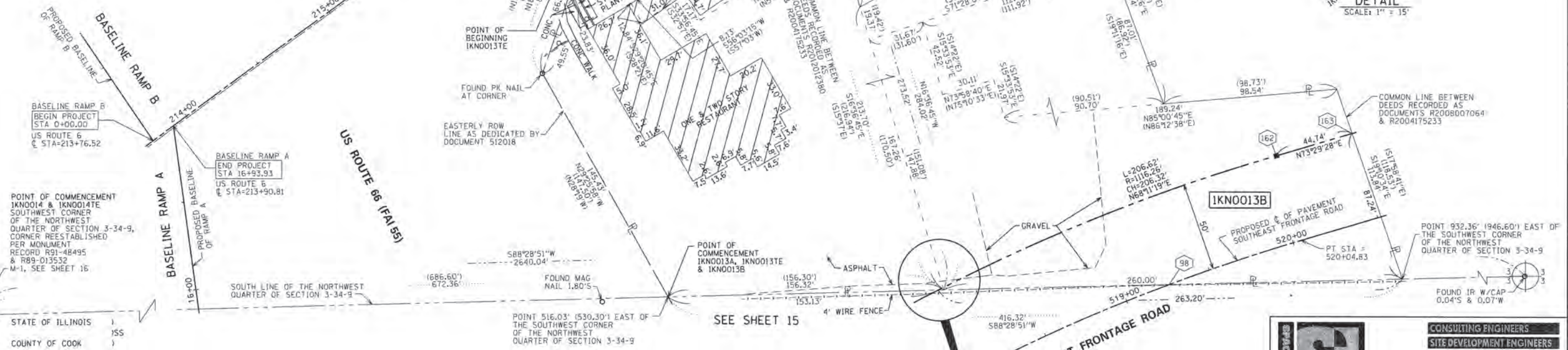
PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997662896.

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6. SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.

**COORDINATE/STATION TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset	
98	1744578.25	1022768.41	519+25.78	0.00	R
149	1744744.26	1022429.02	216+18.93	70.00	R
150	1744836.97	1022562.53	217+82.61	70.00	R
151	1744843.67	1022572.36	217+94.59	70.00	R
152	1744848.70	1022570.87	217+96.20	65.00	R
153	1744884.86	1022624.37	218+61.19	65.00	R
154	1744953.95	1022726.85	219+84.51	65.00	R
155	1744760.39	1022434.53	216+32.82	60.00	R
156	1744847.03	1022559.53	217+85.82	60.00	R
157	1744853.74	1022569.38	217+97.81	60.00	R
158	1744860.78	1022567.30	218+00.06	53.00	R
159	1744894.82	1022617.69	218+61.19	53.00	R
160	1744965.99	1022723.22	219+88.24	53.00	R
161	1744574.78	1022637.53	518+07.47	50.00	L
162	1744551.44	1022829.08	520+04.83	50.00	L
163	1744664.15	1022871.98	520+49.57	50.00	L

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.



THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20 \_\_\_\_ A.D. AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
IKN0013A IKN0013B IKN0013TE	1.857	0.030 0.276	0	1.551		0.036		04-10-03-101-009 04-10-03-101-008 04-10-03-101-015
IKN0014 IKN0014TE	0.602	0.011	0	0.591		0.055		04-10-03-101-006

**IDOT USE ONLY**  
RECEIVED  
DEC 31 2014  
PLATS & LLS

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 03/21/2014 REVISION MADE BY: SDS

**SPACECO INC.**  
CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS  
9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 6  
LIMITS: SECTION: AT INTERSTATE 55 TO STA. 213+76.52  
COUNTY: WILL JOB NO.: R-91-033-01  
TO STA. 219+88.24 SHEET 11 OF 18 SHEETS  
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196  
SHEET NO. 106 OF 225



PART OF THE NORTHWEST QUARTER OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

**LEGEND**

SECTION CORNER 16 QUARTER SECTION CORNER 15

GRAPHIC SCALE FEET 40  
SCALE: 1" = 40'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IKNO015A	4.969	0.014		0	4.048			04-10-03-101-011
IKNO015B		0.907				0.108		04-10-03-101-013
IKNO015TE-A						0.086		
IKNO015TE-B								

**COORDINATE/STATION TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset	
154	1744953.95	1022726.85	219+84.51	65.00	R
160	1744965.99	1022723.22	219+88.24	53.00	R
163	1744664.15	1022871.98	520+49.57	50.00	L
164	1744974.13	1022735.24	220+02.73	53.00	R
165	1744972.13	1022735.84	220+02.11	55.00	R
166	1745138.57	1022978.59	222+95.88	55.00	R
167	1745075.72	1022905.20	221+99.98	65.00	R
168	1745067.27	1022910.55	221+99.58	75.00	R
169	1745138.90	1023014.15	223+25.22	75.00	R
170	1744583.07	1022950.33	521+01.65	50.00	R
171	1744583.98	1022953.38	521+04.84	50.00	R
172	1744725.52	1023284.08	524+53.73	50.00	R
173	1744809.05	1023228.69	524+47.02	50.00	L
174	1744679.85	1022924.97	521+04.84	50.00	L
175	1744645.68	1023124.15	522+80.65	50.00	R
176	1744618.26	1023136.33	522+81.02	80.00	R
177	1744672.23	1023249.41	524+00.00	80.00	R
178	1744698.77	1023235.43	524+00.00	50.00	R

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND ⊕ 'MAG' NAIL SET  
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

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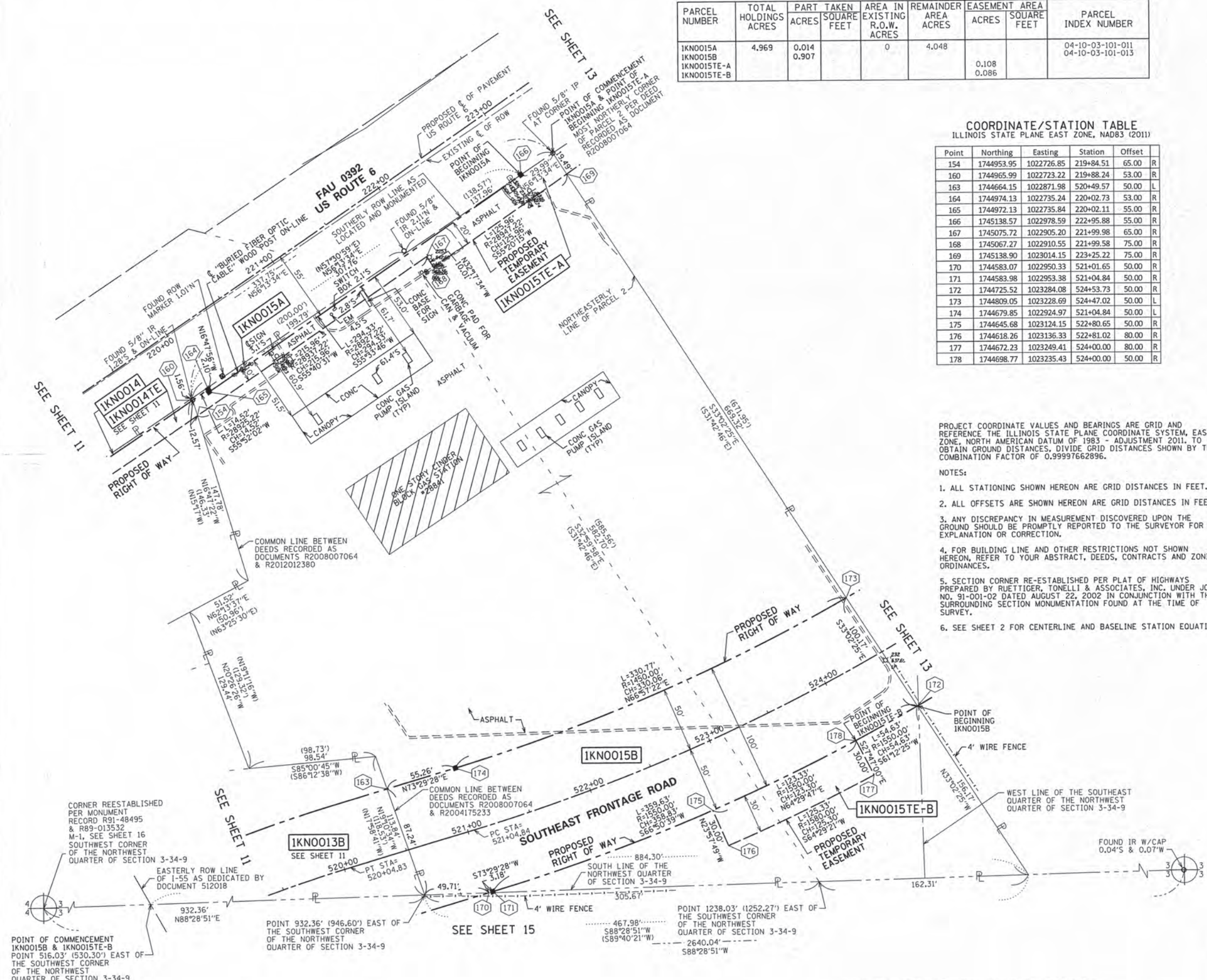
STATE OF ILLINOIS )  
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**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 6**

LIMITS: SECTION: AT INTERSTATE 55 COUNTY: WILL  
STA. 219+84.51 JOB NO.: R-91-033-01  
SCALE: 1" = 40' TO STA. 223+25.22  
SHEET 12 OF 18 SHEETS

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

SHEET NO. 107 OF 225

REVISION DATE: 02/11/2015 REVISION MADE BY: RYP  
REVISION DATE: 01/30/2015 REVISION MADE BY: SDS  
REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 03/21/2014 REVISION MADE BY: SDS

POINT OF COMMENCEMENT IKNO015B & IKNO015TE-B POINT 516.03' (530.30') EAST OF THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER OF SECTION 3-34-9

EASTERLY ROW LINE OF 1-55 AS DEDICATED BY DOCUMENT 512018

POINT 932.36' (946.60') EAST OF THE SOUTHWEST QUARTER OF SECTION 3-34-9

POINT 1238.03' (1252.27') EAST OF THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER OF SECTION 3-34-9

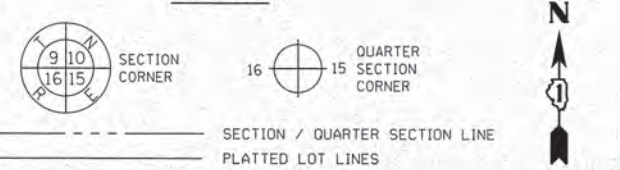
POINT 467.98' (588'28'51"W) (589'40'21"W) 2640.04' (588'28'51"W)

FOUND IR W/CAP 0.04'S & 0.07'W



PART OF THE NORTHWEST QUARTER OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

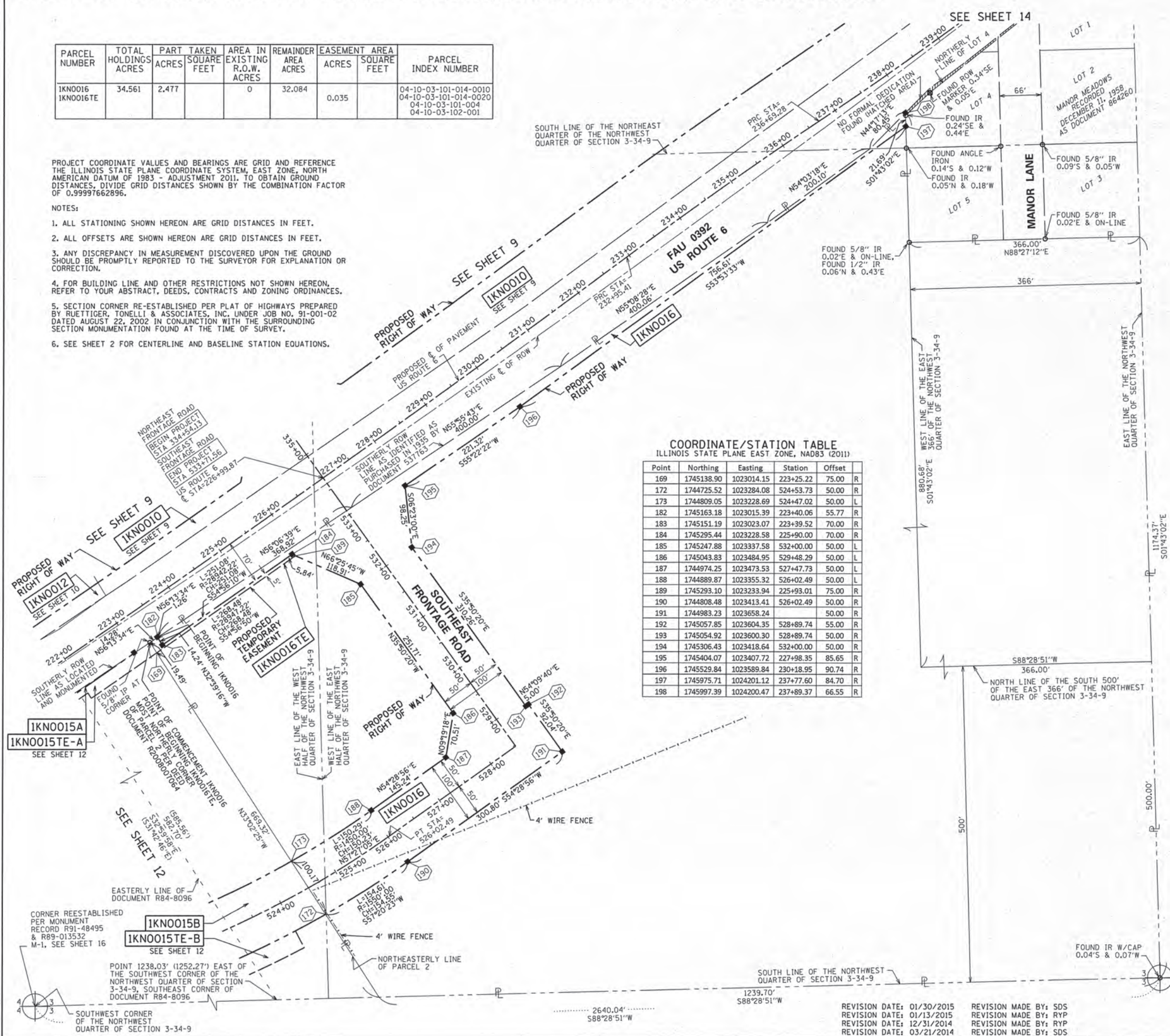


PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1KNO016 1KNO016TE	34.561	2.477		0	32.084	0.035		04-10-03-101-014-0010 04-10-03-101-014-0020 04-10-03-101-004 04-10-03-102-001

PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997662896.

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- SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.



COORDINATE/STATION TABLE  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

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169	1745138.90	1023014.15	223+25.22	75.00	R
172	1744725.52	1023284.08	524+53.73	50.00	R
173	1744809.05	1023228.69	524+47.02	50.00	L
182	1745163.18	1023015.39	223+40.06	55.77	R
183	1745151.19	1023023.07	223+39.52	70.00	R
184	1745295.44	1023228.58	225+90.00	70.00	R
185	1745247.88	1023337.58	532+00.00	50.00	L
186	1745043.83	1023484.95	529+48.29	50.00	L
187	1744974.25	1023473.53	527+47.73	50.00	L
188	1744889.87	1023355.32	526+02.49	50.00	L
189	1745293.10	1023233.94	225+93.01	75.00	R
190	1744808.48	1023413.41	526+02.49	50.00	R
191	1744983.23	1023658.24		50.00	R
192	1745057.85	1023604.35	528+89.74	55.00	R
193	1745054.92	1023600.30	528+89.74	50.00	R
194	1745306.43	1023418.64	532+00.00	50.00	R
195	1745404.07	1023407.72	227+98.35	85.65	R
196	1745529.84	1023589.84	230+18.95	90.74	R
197	1745975.71	1024201.12	237+77.60	84.70	R
198	1745997.39	1024200.47	237+89.37	66.55	R

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20 \_\_\_\_ A.D., AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**SPACECO INC.**  
CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 6

LIMITS: SECTION: AT INTERSTATE 55 COUNTY: WILL  
STA. 222+00.00 JOB NO.: R-91-033-01  
SCALE: 1" = 80' TO STA. 238+00.00 SHEET 13 OF 18 SHEETS

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196 SHEET NO. 108 OF 225

RECEIVED  
JAN 30 2015  
PLATS & LETTERS

REVISION DATE: 01/30/2015 REVISION MADE BY: SDS  
REVISION DATE: 01/13/2015 REVISION MADE BY: RYP  
REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 03/21/2014 REVISION MADE BY: SDS



**PART OF THE NORTHWEST QUARTER OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.**

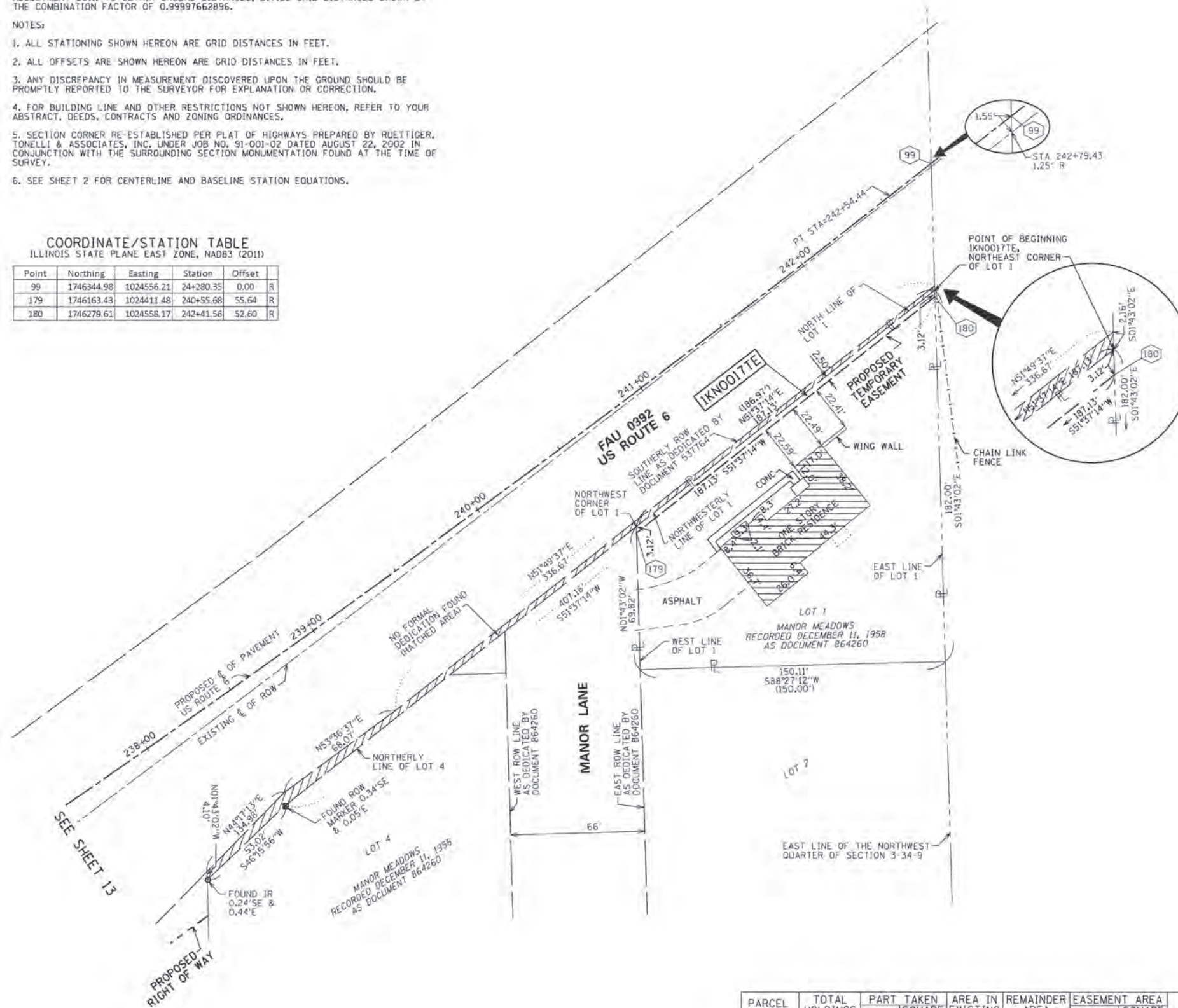
PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997662896.

**NOTES:**

1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
5. SECTION CORNER RE-ESTABLISHED PER PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOCIATES, INC. UNDER JOB NO. 91-001-02 DATED AUGUST 22, 2002 IN CONJUNCTION WITH THE SURROUNDING SECTION MONUMENTATION FOUND AT THE TIME OF SURVEY.
6. SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.

**COORDINATE/STATION TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset	
99	1746344.98	1024556.21	24+280.35	0.00	R
179	1746163.43	1024411.48	240+55.68	55.64	R
180	1746279.61	1024558.17	242+41.56	52.60	R



**LEGEND**

SECTION CORNER: 9 10 15 16

QUARTER SECTION CORNER: 16

GRAPHIC SCALE: 1" = 30'

SECTION / QUARTER SECTION LINE: ---

PLATTED LOT LINES: ---

PROPERTY (DEED) LINE: ---

APPARENT PROPERTY LINE: ---

EXISTING CENTERLINE: ---

PROPOSED CENTERLINE: ---

EXISTING RIGHT OF WAY LINE: ---

PROPOSED RIGHT OF WAY LINE: ---

EXISTING EASEMENT: ---

PROPOSED EASEMENT: ---

AC: EXISTING ACCESS CONTROL LINE

AC: PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION: 129.32'

COMPUTED DIMENSION: 129.32' (COMP)

RECORDED DIMENSION: 129.32'

EXISTING BUILDING: [Hatched Area]

BOLLARD LIGHT SIGN: [Symbol]

CONC CONCRETE: [Symbol]

IRON PIPE: [Symbol]

IRON ROD: [Symbol]

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011) ADJUSTMENT, EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D. AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
IKN0017TE	0.434	0	0	0.434	0.011		04-10-03-103-001

**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

9575 W. Higgins Road, Suite 700  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 6**

LIMITS: SECTION: AT INTERSTATE 55 TO STA. 238+00.00  
COUNTY: WILL JOB NO.: R-91-033-01 TO STA. 242+79.43  
SCALE: 1" = 30' SHEET 14 OF 18 SHEETS

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

SHEET NO. 109 OF 225

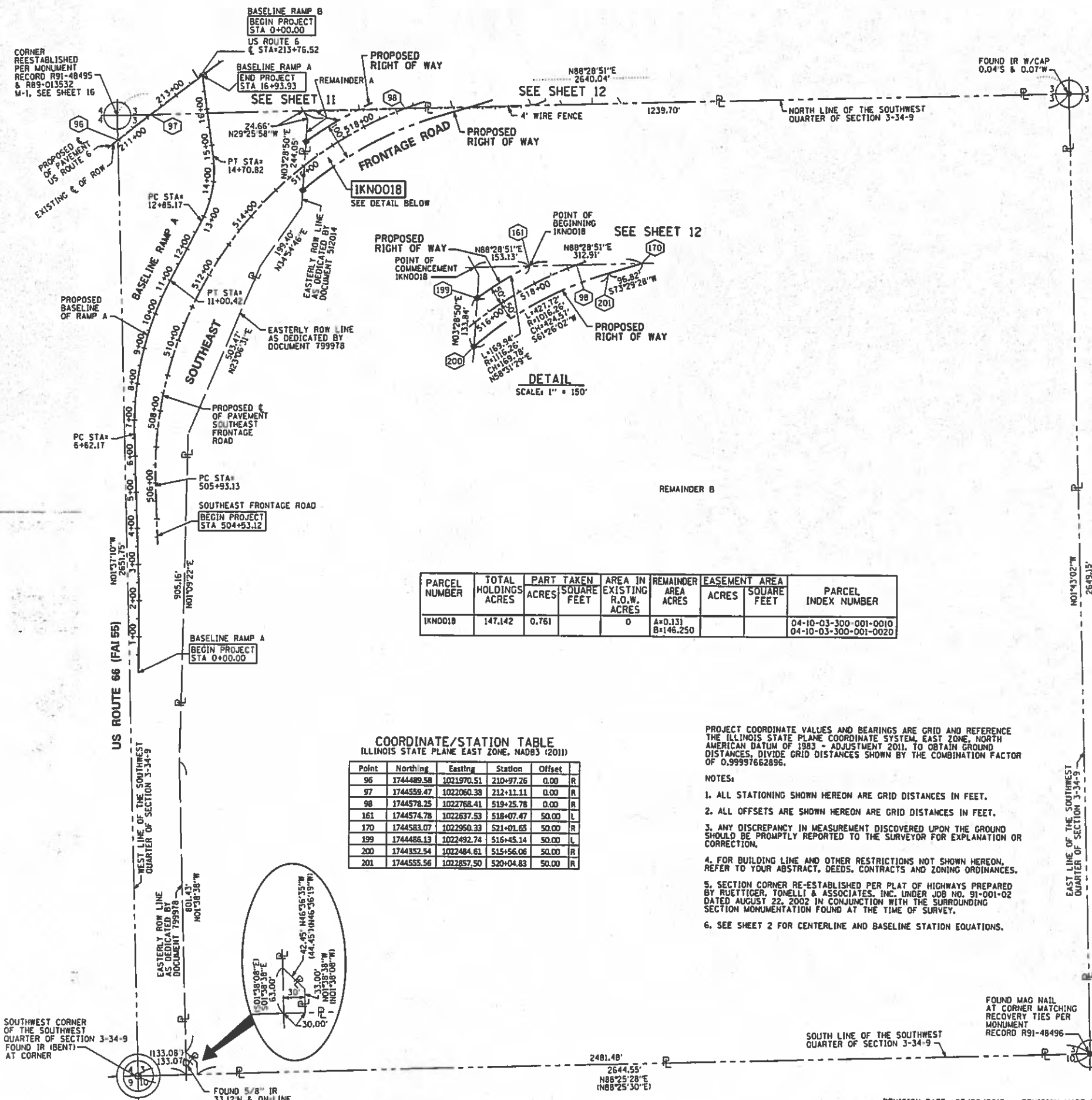
**IDOT USE ONLY**

RECEIVED  
DEC 31 2014  
PLATS & L.S.

REVISION DATE: 12/31/2014 REVISION MADE BY: RYP  
REVISION DATE: 02/07/2014 REVISION MADE BY: SDS



PART OF THE SOUTHWEST QUARTER OF SECTION 3 TWP. 34 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



### LEGEND

	SECTION CORNER		QUARTER CORNER	
	SECTION / QUARTER SECTION LINE		PLATTED LOT LINES	
	PROPERTY (DEED) LINE		APPARENT PROPERTY LINE	
	EXISTING CENTERLINE		PROPOSED CENTERLINE	
	EXISTING RIGHT OF WAY LINE		PROPOSED RIGHT OF WAY LINE	SCALE: 1" = 150'
	EXISTING EASEMENT		PROPOSED EASEMENT	
	EXISTING ACCESS CONTROL LINE		PROPOSED ACCESS CONTROL LINE	IP IRON PIPE IR IRON ROD
	MEASURED DIMENSION		COMPUTED DIMENSION	
	RECORDED DIMENSION		EXISTING BUILDING	BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
	IRON PIPE OR ROD FOUND		MAG NAIL SET	
	CUT CROSS FOUND OR SET		5/8 REBAR SET	STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
	STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.		PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)	
	RIGHT OF WAY STAKING PROPOSED TO BE SET			

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING SQUARE FEET	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
IKNO018	147.142	0.761	0	A=0.131 B=146.250			04-10-03-300-001-0010 04-10-03-300-001-0020

#### COORDINATE/STATION TABLE

ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	Station	Offset	
96	1744489.58	1021970.51	210+97.26	0.00	R
97	1744559.47	1022060.38	212+11.11	0.00	R
98	1744578.25	1022768.41	519+25.78	0.00	R
161	1744574.78	1022637.53	518+07.47	50.00	L
170	1744583.07	1022950.33	521+01.65	50.00	R
199	1744486.13	1022492.74	516+45.14	50.00	L
200	1744352.54	1022484.61	515+56.06	50.00	R
201	1744555.56	1022857.50	520+04.83	50.00	R

PROJECT COORDINATE VALUES AND BEARINGS ARE GRID AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011, TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997662896.

NOTES:

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- SECTION CORNER RE-ESTABLISHED PER PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOCIATES, INC. UNDER JOB NO. 91-001-02 DATED AUGUST 22, 2002 IN CONJUNCTION WITH THE SURROUNDING SECTION MONUMENTATION FOUND AT THE TIME OF SURVEY.
- SEE SHEET 2 FOR CENTERLINE AND BASELINE STATION EQUATIONS.

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 34 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, 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 THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20 \_\_\_\_\_ A.D. AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

9575 W. Higgins Road, Suite 700  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

### PLAT OF HIGHWAYS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 6

LIMITS: COUNTY: WILL  
SECTION: AT INTERSTATE 55 JOB NO.: R-91-033-01  
STA. 504+53.12 TO STA. 519+25.78  
SCALE: 1" = 150' SHEET 15 OF 18 SHEETS

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

SHEET NO. 110 OF 225

DOT USE ONLY  
RECEIVED  
APR 20 2015  
PLATS & RECORDS

REVISION DATE: 05/20/2015 REVISION MADE BY: RYP  
REVISION DATE: 03/21/2014 REVISION MADE BY: SDS



**THIS SHEET LEFT INTENTIONALLY BLANK**

FILE NAME =D160130-sht-intentional1.dgn  
 PLOT DATE =1/16/2016  
 PLOT SCALE=100.0000 ' / in.



**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.
-------------	-------------------------	------	---------

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	111
<b>CONTRACT NO. 60130</b>				
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



**THIS SHEET LEFT INTENTIONALLY BLANK**

FILE NAME =D160130-sht-intentional2.dgn  
 PLOT DATE =1/16/2016  
 PLOT SCALE=100.0000 ' / in.



**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: NONE	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.
-------------	-------------------------	------	---------

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	112
<b>CONTRACT NO. 60130</b>				
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



**THIS SHEET LEFT INTENTIONALLY BLANK**

FILE NAME =D160130-sht-intentional3.dgn  
 PLOT DATE =1/16/2016  
 PLOT SCALE=100.0000 ' / in.



**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

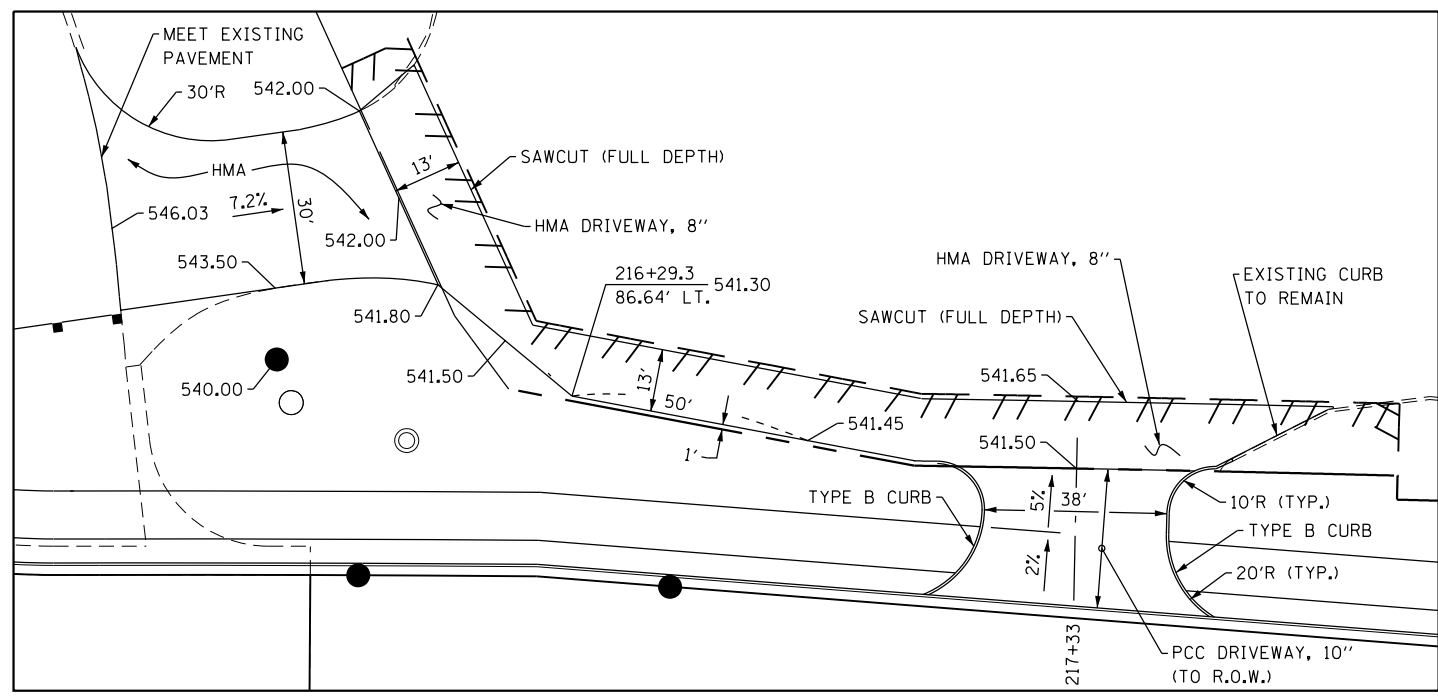
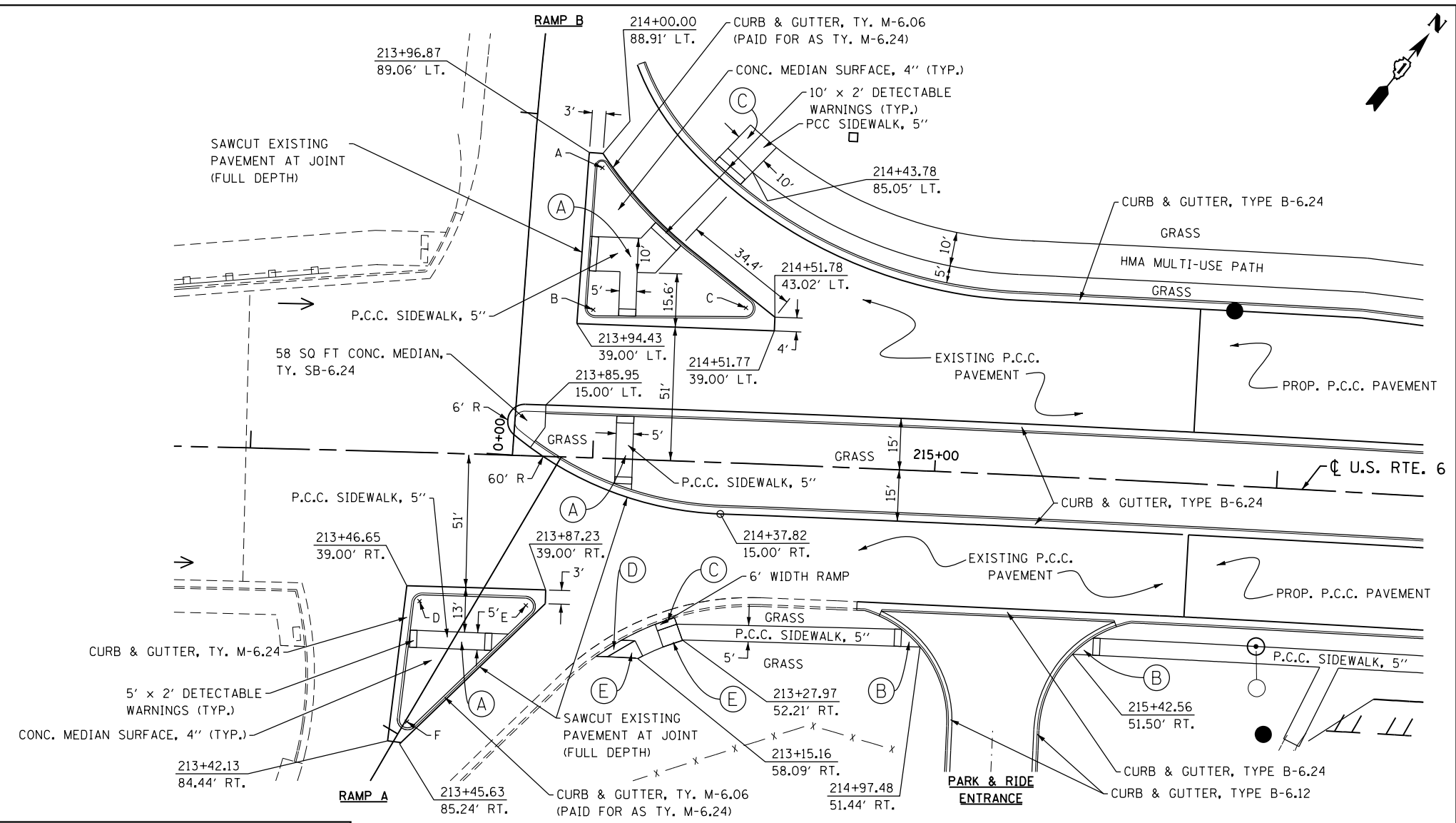
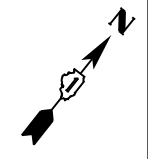
DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: NONE    SHEET NO. 3 OF 3 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	113
<b>CONTRACT NO. 60130</b>				
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				





ISLAND CURB RADIUS			
POINT	STATION	OFFSET	RADIUS TO FACE OF CURB
A	214+00.00	84.75 LT	2'
B	213+99.00	43.25 LT	3'
C	214+43.70	45.40 LT	2'
D	213+50.44	43.38 RT	3'
E	213+81.54	43.69 RT	3'
F	213+47.64	78.70 RT	3'

- LEGEND**
- (A) MEDIAN PEDESTRIAN CROSSING, STD 424031
  - (B) ENTRANCE PEDESTRIAN CROSSING, STD. 424026
  - (C) DIAGONAL CURBED RAMP, STD. 424006
  - (D) PERPENDICULAR CURBED RAMP, STD. 424001
  - (E) TURNING SPACE

FILE NAME = 0160130-sht-20scale01.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 40,0000' / 1" =

**CR**  
**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

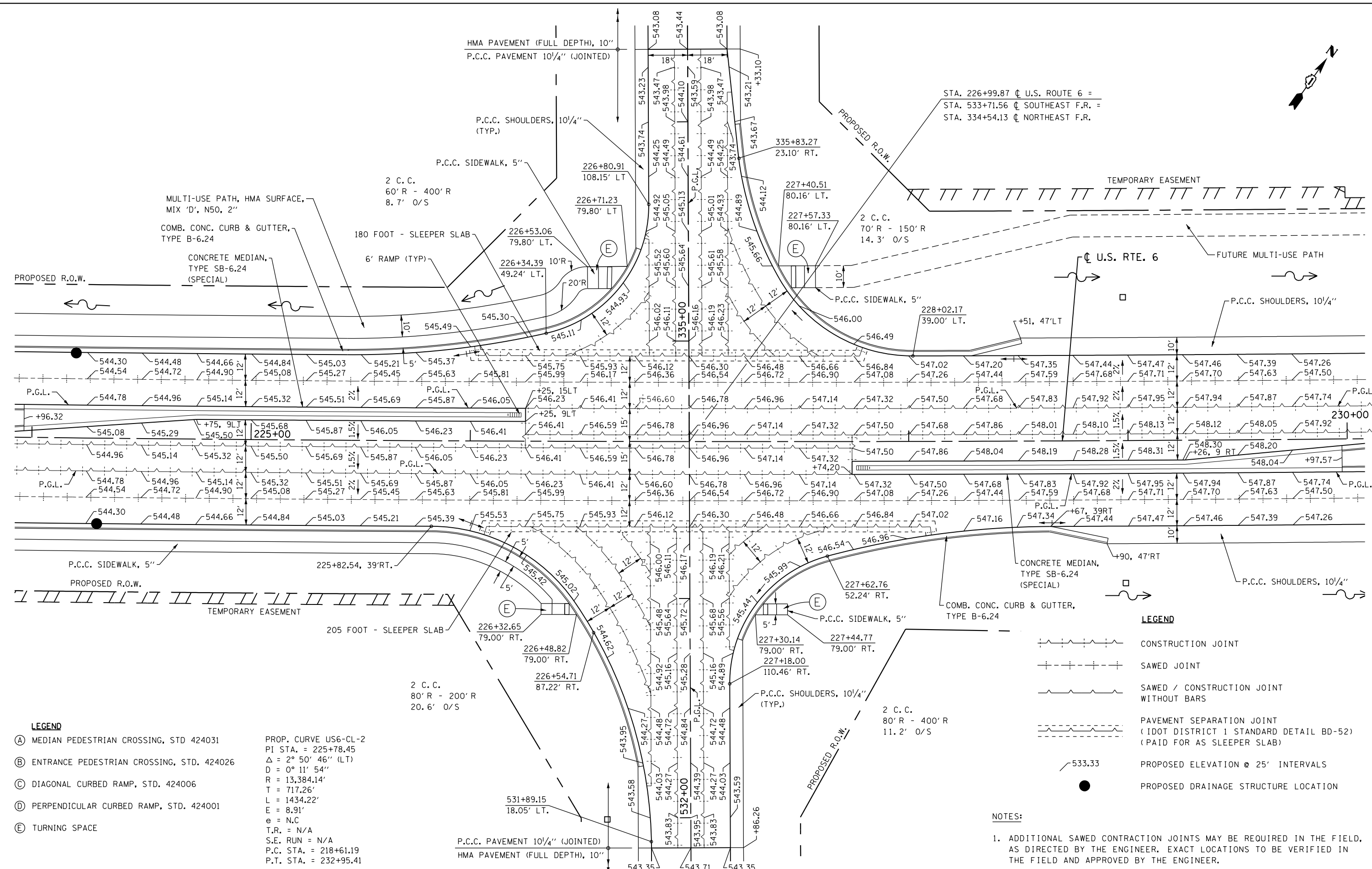
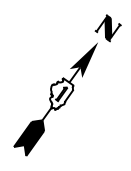
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILS AND ELEVATIONS  
 U.S. 6 AT RAMPS 'A' & 'B'**

SCALE: 1" = 20'    SHEET NO. 1 OF 3 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	114
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





- LEGEND**
- (A) MEDIAN PEDESTRIAN CROSSING, STD. 424031
  - (B) ENTRANCE PEDESTRIAN CROSSING, STD. 424026
  - (C) DIAGONAL CURBED RAMP, STD. 424006
  - (D) PERPENDICULAR CURBED RAMP, STD. 424001
  - (E) TURNING SPACE

PROP. CURVE US6-CL-2  
 PI STA. = 225+78.45  
 $\Delta = 2^\circ 50' 46''$  (LT)  
 $D = 0^\circ 11' 54''$   
 $R = 13,384.14'$   
 $T = 717.26'$   
 $L = 1434.22'$   
 $E = 8.91'$   
 $e = N.C$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 218+61.19$   
 $P.T. STA. = 232+95.41$

- LEGEND**
- CONSTRUCTION JOINT
  - SAWED JOINT
  - SAWED / CONSTRUCTION JOINT WITHOUT BARS
  - PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD-52) (PAID FOR AS SLEEPER SLAB)
  - PROPOSED ELEVATION @ 25' INTERVALS
  - PROPOSED DRAINAGE STRUCTURE LOCATION

**NOTES:**

- ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.

FILE NAME = 0160130-sht-20scale02.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 40,0000' / 1" =

**CR** CHRISTIAN-ROGE & ASSOCIATES, INC.  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - S.J.P.  
 DRAWN - B.K.  
 CHECKED - M.P.  
 DATE - JANUARY 15, 2016

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

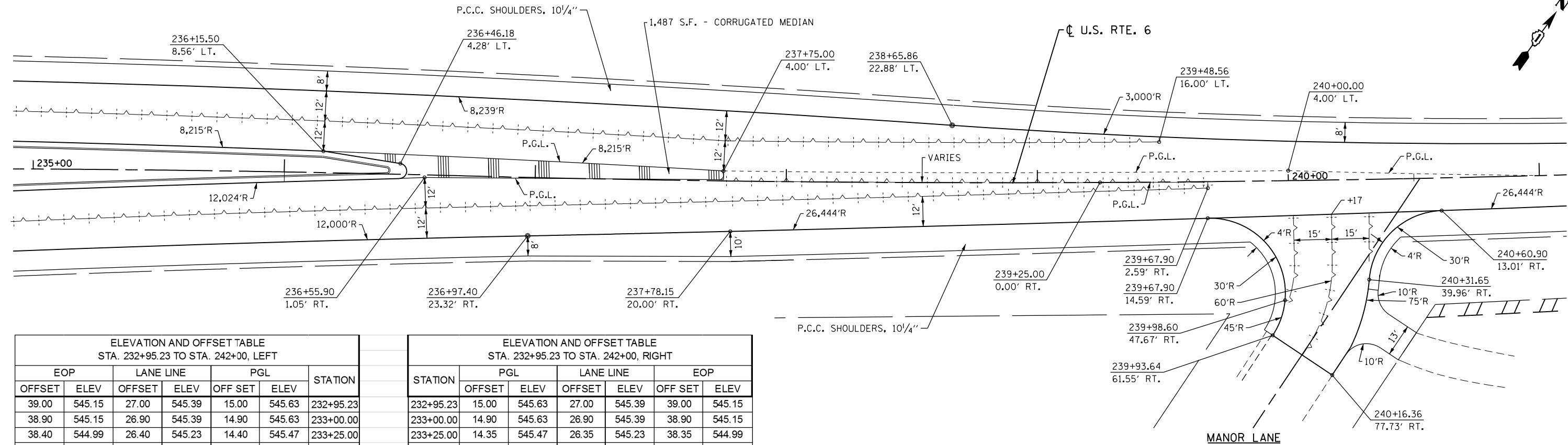
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILS AND ELEVATIONS  
 U.S. 6 AT EAST FRONTAGE ROADS**

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 233+00 TO STA. 244+45

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	115
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





ELEVATION AND OFFSET TABLE STA. 232+95.23 TO STA. 242+00, LEFT						
EOP		LANE LINE		PGL		STATION
OFFSET	ELEV	OFFSET	ELEV	OFF SET	ELEV	
39.00	545.15	27.00	545.39	15.00	545.63	232+95.23
38.90	545.15	26.90	545.39	14.90	545.63	233+00.00
38.40	544.99	26.40	545.23	14.40	545.47	233+25.00
37.90	544.83	25.90	545.07	13.90	545.31	233+50.00
37.40	544.66	25.40	544.90	13.40	545.14	233+75.00
36.89	544.50	24.89	544.74	12.89	544.98	234+00.00
36.43	544.34	24.43	544.58	12.43	544.82	234+25.00
35.89	544.18	23.89	544.42	11.89	544.66	234+50.00
35.39	544.01	23.39	544.25	11.39	544.49	234+75.00
34.88	543.85	22.88	544.09	10.88	544.33	235+00.00
34.38	543.69	22.38	543.93	10.38	544.17	235+25.00
33.88	543.53	21.88	543.77	9.88	544.01	235+50.00
33.38	543.36	21.38	543.60	9.38	543.84	235+75.00
32.88	543.20	20.88	543.44	8.88	543.68	236+00.00
32.38	543.04	20.38	543.28	8.38	543.52	236+25.00
31.87	542.88	19.87	543.12	7.87	543.36	236+50.00
31.37	542.71	19.37	542.95	7.37	543.19	236+75.00
30.76	542.55	18.76	542.79	6.76	543.03	237+00.00
29.99	542.39	17.99	542.63	5.99	542.87	237+25.00
29.08	542.24	17.08	542.48	5.08	542.72	237+50.00
28.00	541.58	16.00	541.82	4.00	542.06	237+75.00
26.82	542.07	16.00	542.29	4.00	542.53	238+00.00
26.72	542.03	16.00	542.24	4.00	542.48	238+25.00
25.45	542.05	16.00	542.24	4.00	542.48	238+50.00
23.92	542.12	16.00	542.28	4.00	542.52	238+75.00
22.28	542.24	16.00	542.37	4.00	542.61	239+00.00
20.70	542.38	16.00	542.47	4.00	542.71	239+25.00
19.29	542.56	16.00	542.63	4.00	542.87	239+50.00
17.94	542.77			4.00	543.05	239+75.00
16.75	543.04			4.00	543.29	240+00.00
15.70	543.31			3.69	543.55	240+25.00
14.78	543.57			2.78	543.81	240+50.00
13.99	543.83			2.00	544.07	240+75.00
13.33	544.06			0.00	544.33	241+00.00
12.80	544.33			0.00	544.59	241+25.00
12.41	544.60			0.00	544.85	241+50.00
12.15	544.87			0.00	545.11	241+75.00
12.01	545.13			0.00	545.37	242+00.00

ELEVATION AND OFFSET TABLE STA. 232+95.23 TO STA. 242+00, RIGHT						
STATION	PGL		LANE LINE		EOP	
	OFFSET	ELEV	OFFSET	ELEV	OFF SET	ELEV
232+95.23	15.00	545.63	27.00	545.39	39.00	545.15
233+00.00	14.90	545.63	26.90	545.39	38.90	545.15
233+25.00	14.35	545.47	26.35	545.23	38.35	544.99
233+50.00	13.73	545.31	25.73	545.07	37.73	544.83
233+75.00	13.02	545.14	25.02	544.90	37.02	544.66
234+00.00	12.24	544.98	24.24	544.74	36.24	544.50
234+25.00	11.38	544.82	23.38	544.58	35.38	544.34
234+50.00	10.45	544.66	22.45	544.42	34.45	544.18
234+75.00	9.45	544.49	21.45	544.25	33.45	544.01
235+00.00	8.39	544.33	20.39	544.09	32.39	543.85
235+25.00	7.31	544.17	19.31	543.93	31.31	543.69
235+50.00	6.20	544.01	18.20	543.77	30.20	543.53
235+75.00	5.08	543.84	17.08	543.60	29.08	543.36
236+00.00	3.93	543.68	15.93	543.44	27.93	543.20
236+25.00	2.75	543.52	14.75	543.28	26.75	543.04
236+50.00	1.42	543.36	13.42	543.12	25.42	542.88
236+75.00	0.61	543.19	12.61	542.95	24.61	542.71
237+00.00	0.49	543.03	11.20	542.82	23.20	542.58
237+25.00	0.29	542.87	10.13	542.67	22.13	542.43
237+50.00	0.00	542.72	9.02	542.54	21.02	542.30
237+75.00	0.00	542.06	8.17	541.90	20.17	541.66
238+00.00	0.00	542.53	7.27	542.38	19.27	542.14
238+25.00	0.00	542.48	6.42	542.35	18.42	542.11
238+50.00	0.00	542.48	5.62	542.37	17.62	542.13
238+75.00	0.00	542.52	4.88	542.42	16.88	542.18
239+00.00	0.00	542.61	4.19	542.53	16.19	542.29
239+25.00	0.00	542.71	3.56	542.64	15.56	542.40
239+50.00	0.00	542.87	2.97	542.81	14.97	542.57
239+75.00	0.00	543.05	2.44	543.00	14.44	542.76
240+00.00	0.00	543.29	1.96	543.25	13.96	543.01
240+25.00	0.00	543.55	1.53	543.52	13.53	543.28
240+50.00	0.00	543.81	1.16	543.79	13.16	543.55
240+75.00	0.00	544.07	1.16	544.05	13.16	543.81
241+00.00	0.00	544.33			12.88	544.07
241+25.00	0.00	544.59			12.53	544.34
241+50.00	0.00	544.85			12.25	544.61
241+75.00	0.00	545.11			12.05	544.87
242+00.00	0.00	545.37			12.00	545.13

**LEGEND**

- CONSTRUCTION JOINT
- SAWED JOINT
- SAWED / CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD-52) (PAID FOR AS SLEEPER SLAB)
- PROPOSED ELEVATION @ 25' INTERVALS
- PROPOSED DRAINAGE STRUCTURE LOCATION

**NOTES:**

- ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.

FILE NAME = D:\160130-shr-20scale03.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 40.0000' / 1" =

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - S.J.P.  
 DRAWN - B.K.  
 CHECKED - M.P.  
 DATE - JANUARY 15, 2016

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

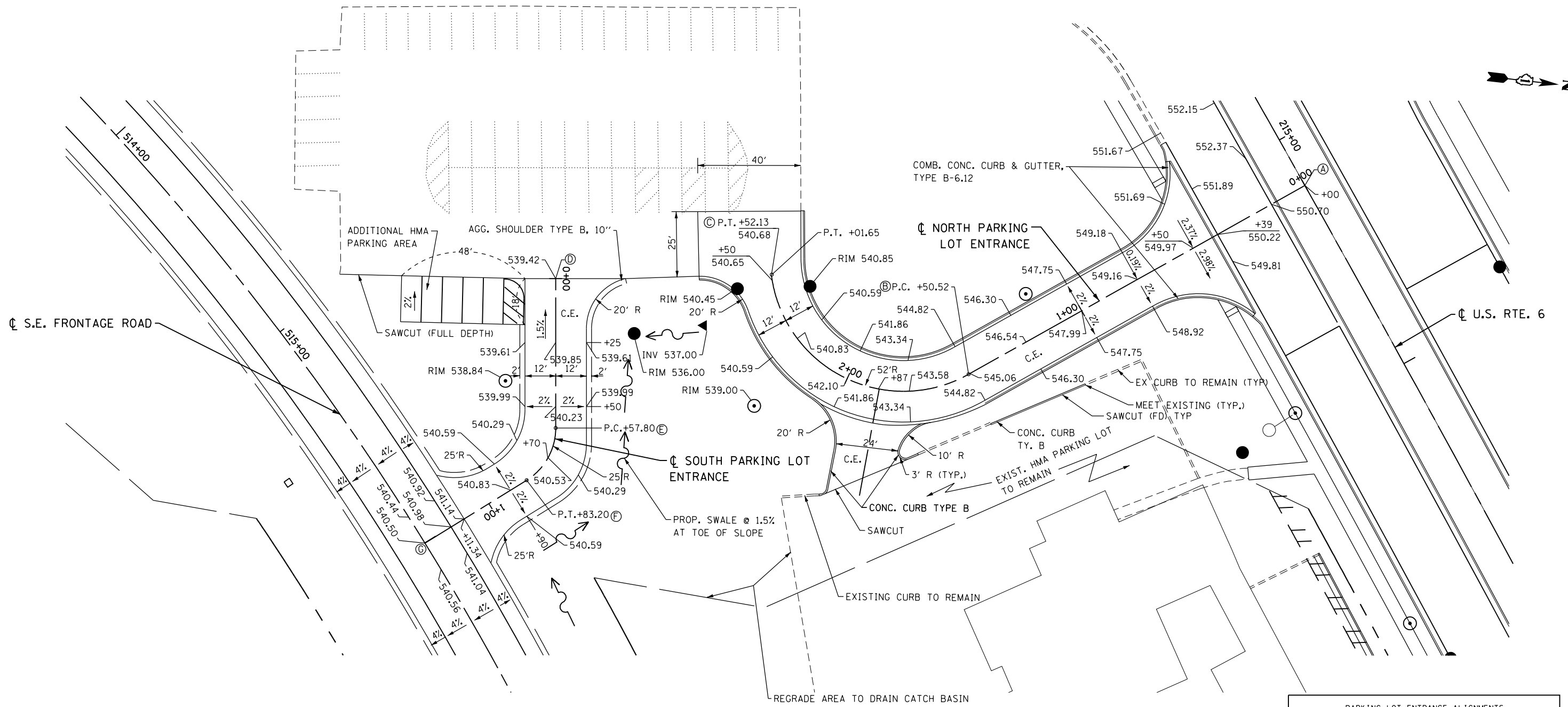
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILS AND ELEVATIONS  
 U.S. 6 TRANSITION**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	116
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





NOTE:  
 1. ALL ENTRANCES, DRIVEWAYS AND ADDITIONAL PARKING AREAS SHALL BE PAID FOR AS HMA COMMERCIAL ENTRANCE.

PARKING LOT ENTRANCE ALIGNMENTS			
POINT	STATION	NORTHING	EASTING
A	0+00.00	1,744,744.1934	1,022,308.4377
B	PC 1+50.52	1,744,622.8034	1,022,396.5484
C	PT 2+52.13	1,744,541.1102	1,022,366.8186
D	0+00.00	1,744,457.5575	1,022,377.6420
E	PC 0+57.80	1,744,464.1415	1,022,435.6258
F	PT 0+83.20	1,744,455.1567	1,022,457.1782
G	1+29.34	1,744,418.4881	1,022,486.0971



DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

GUIDE SIGN SEQUENCE  
NUMBERING CODE

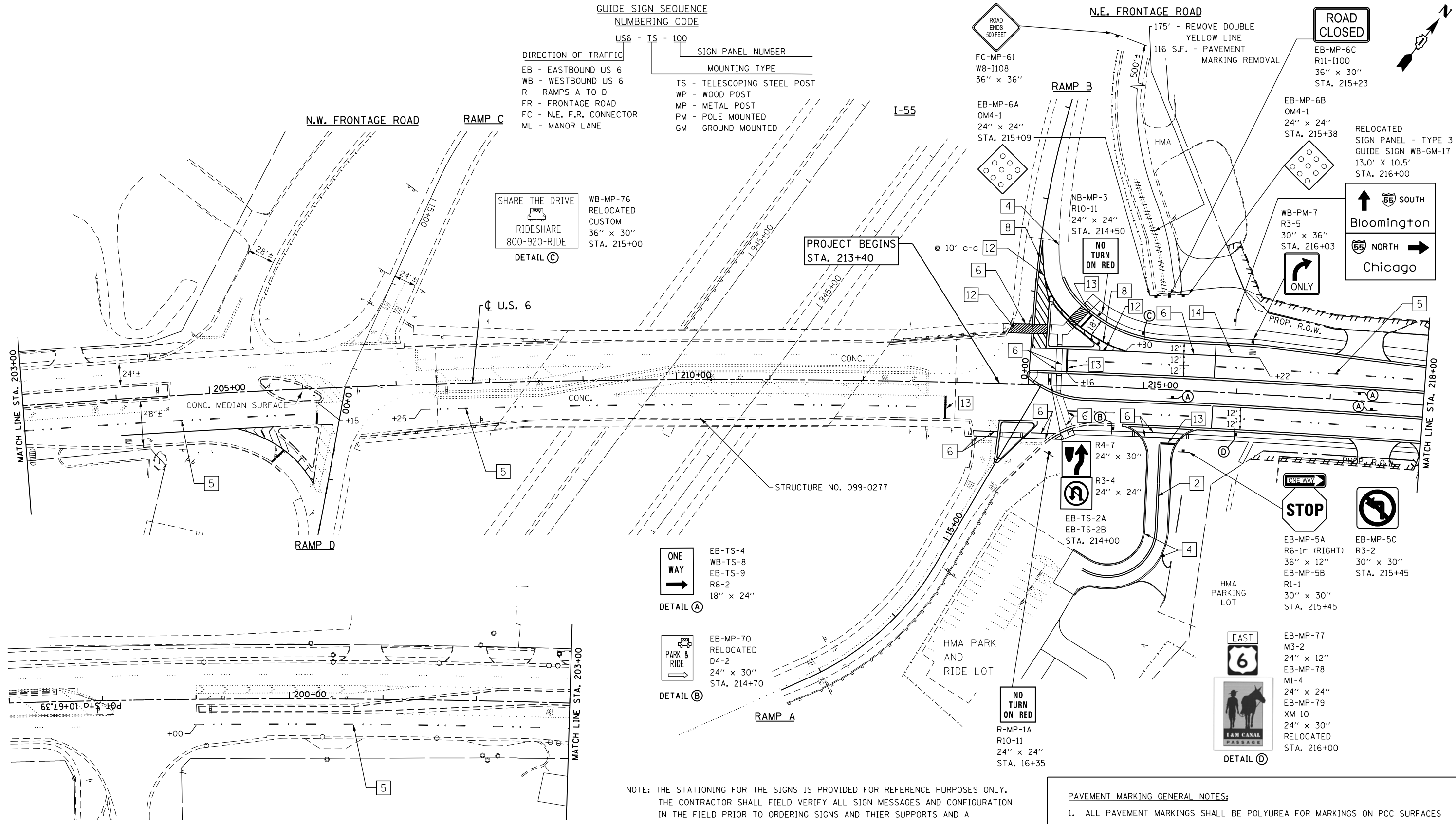
DIRECTION OF TRAFFIC		SIGN PANEL NUMBER	
EB - EASTBOUND US 6		TS - TELESCOPING STEEL POST	
WB - WESTBOUND US 6		WP - WOOD POST	
R - RAMPS A TO D		MP - METAL POST	
FR - FRONTAGE ROAD		PM - POLE MOUNTED	
FC - N.E. F.R. CONNECTOR		GM - GROUND MOUNTED	
ML - MANOR LANE			

SHARE THE DRIVE  
RIDESHARE  
800-920-RIDE  
DETAIL C

WB-MP-76  
RELOCATED  
CUSTOM  
36" x 30"  
STA. 215+00

PROJECT BEGINS  
STA. 213+40

N.E. FRONTAGE ROAD



ONE WAY  
DETAIL A

EB-TS-4  
WB-TS-8  
EB-TS-9  
R6-2  
18" x 24"

PARK & RIDE  
DETAIL B

EB-MP-70  
RELOCATED  
D4-2  
24" x 30"  
STA. 214+70

STOP  
ONE WAY  
HMA PARKING LOT

EB-MP-5A  
R6-1r (RIGHT)  
36" x 12"  
EB-MP-5B  
R1-1  
30" x 30"  
STA. 215+45

EB-MP-5C  
R3-2  
30" x 30"  
STA. 215+45

EAST  
6  
TAM CANAL  
PASSAGE  
DETAIL D

EB-MP-77  
M3-2  
24" x 12"  
EB-MP-78  
M1-4  
24" x 24"  
EB-MP-79  
XM-10  
24" x 30"  
RELOCATED  
STA. 216+00

NOTE: THE STATIONING FOR THE SIGNS IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL SIGN MESSAGES AND CONFIGURATION IN THE FIELD PRIOR TO ORDERING SIGNS AND THEIR SUPPORTS AND A POSSIBILITY OF PLACING THEM ON LIGHT POLES.

- PAVEMENT MARKING GENERAL NOTES:
- ALL PAVEMENT MARKINGS SHALL BE POLYUREA FOR MARKINGS ON PCC SURFACES AND THERMOPLASTIC ON HMA SURFACES.
  - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL "TC-11" FOR TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
  - PAVEMENT MARKING SHALL BE PLACED AS SHOWN ON "DISTRICT ONE PAVEMENT MARKINGS TC-13"

LEGEND

1 LINE 4" (YELLOW SOLID LINE)	5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	9 LINE 12" (YELLOW SOLID LINE)	13 LINE 24" (WHITE STOP BAR)
2 LINE 4" (DOUBLE YELLOW SOLID LINES)	6 LINE 6" (WHITE SOLID LINE)	10 LINE 12" (YELLOW DIAGONAL LINE)	14 LETTERS AND SYMBOLS (TYP.)
3 LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11 LINE 12" (WHITE SOLID LINE)	15 LINE 6" (WHITE LANE LINE - 3' DASH, 9' SKIP)
4 LINE 4" (WHITE SOLID LINE)	8 LINE 8" (WHITE SOLID LINE)	12 LINE 12" (WHITE DIAGONAL LINE)	16 LINE 4" (YELLOW LANE LINE - 2' DASH, 6' SKIP)

FILE NAME = 0160130-shr-pm01.dgn  
PLOT DATE = 1/16/2016  
PLOT SCALE = 100.0000' / 1"

**CR**  
CHRISTIAN-ROGE & ASSOCIATES, INC.  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN  
U.S. 6

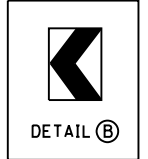
SCALE: 1" = 50' SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	118
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

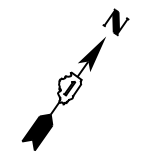


DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



W1-8  
24" x 30"



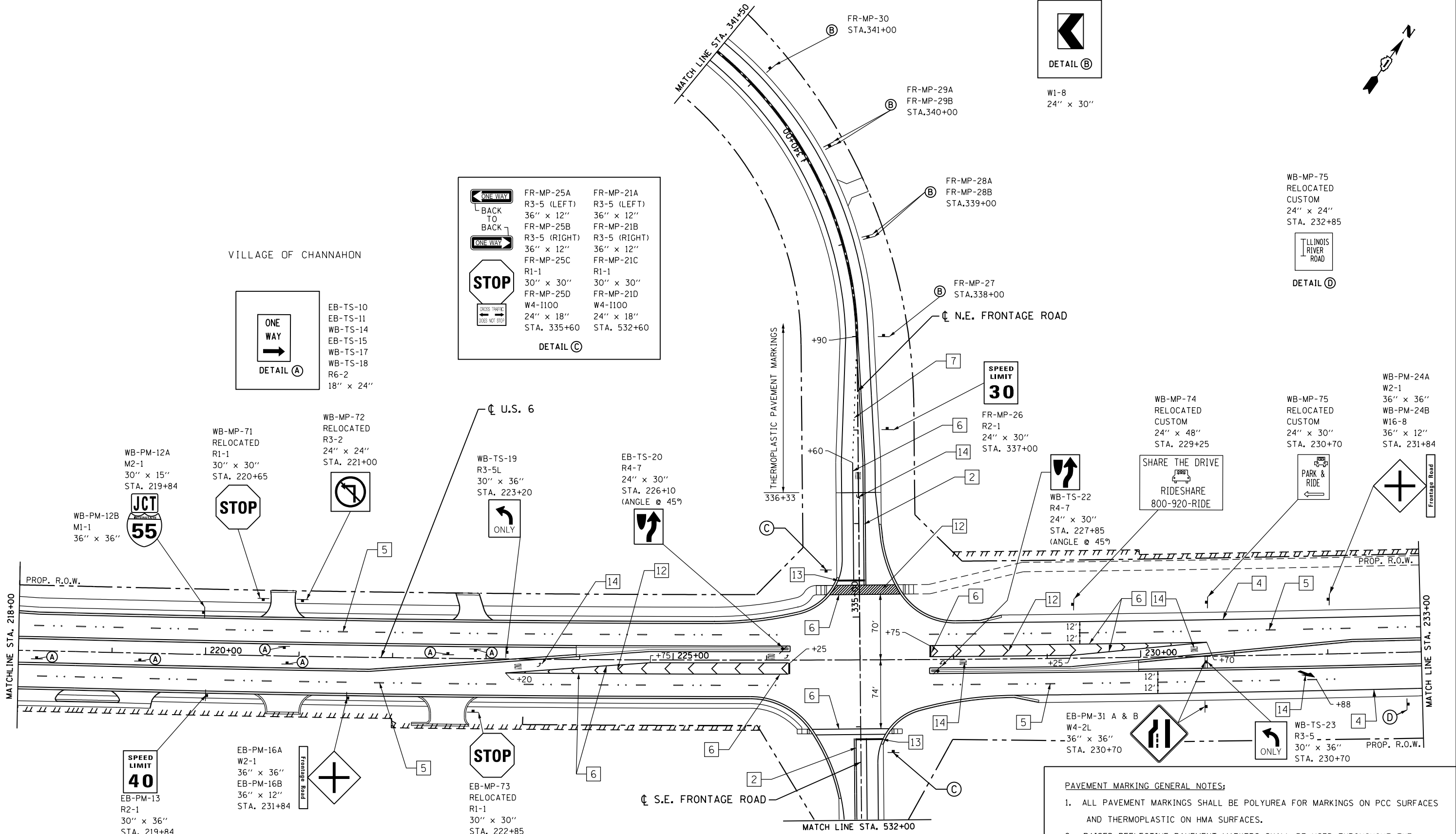
	FR-MP-25A R3-5 (LEFT) 36" x 12"	FR-MP-21A R3-5 (LEFT) 36" x 12"
	FR-MP-25B R3-5 (RIGHT) 36" x 12"	FR-MP-21B R3-5 (RIGHT) 36" x 12"
	FR-MP-25C R1-1 30" x 30"	FR-MP-21C R1-1 30" x 30"
	FR-MP-25D W4-I100 24" x 18"	FR-MP-21D W4-I100 24" x 18"
	STA. 335+60	STA. 532+60

DETAIL C

VILLAGE OF CHANNAHON

	EB-TS-10 EB-TS-11 WB-TS-14 EB-TS-15 WB-TS-17 WB-TS-18 R6-2 18" x 24"
--	---

DETAIL A



- PAVEMENT MARKING GENERAL NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE POLYUREA FOR MARKINGS ON PCC SURFACES AND THERMOPLASTIC ON HMA SURFACES.
  - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL "TC-11" FOR TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
  - PAVEMENT MARKING SHALL BE PLACED AS SHOWN ON "DISTRICT ONE PAVEMENT MARKINGS TC-13"

<b>LEGEND</b>			
1 LINE 4" (YELLOW SOLID LINE)	5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	9 LINE 12" (YELLOW SOLID LINE)	13 LINE 24" (WHITE STOP BAR)
2 LINE 4" (DOUBLE YELLOW SOLID LINES)	6 LINE 6" (WHITE SOLID LINE)	10 LINE 12" (YELLOW DIAGONAL LINE)	14 LETTERS AND SYMBOLS (TYP.)
3 LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11 LINE 12" (WHITE SOLID LINE)	15 LINE 6" (WHITE LANE LINE - 3' DASH, 9' SKIP)
4 LINE 4" (WHITE SOLID LINE)	8 LINE 8" (WHITE SOLID LINE)	12 LINE 12" (WHITE DIAGONAL LINE)	16 LINE 4" (YELLOW LANE LINE - 2' DASH, 6' SKIP)

FILE NAME = 0160130-shr-pm02.dgn  
PLOT DATE = 1/16/2016  
PLOT SCALE = 100.0001' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

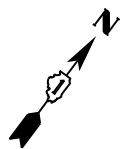
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN  
U.S. 6**

SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	119
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





VILLAGE OF CHANNAHON

AGRICULTURAL

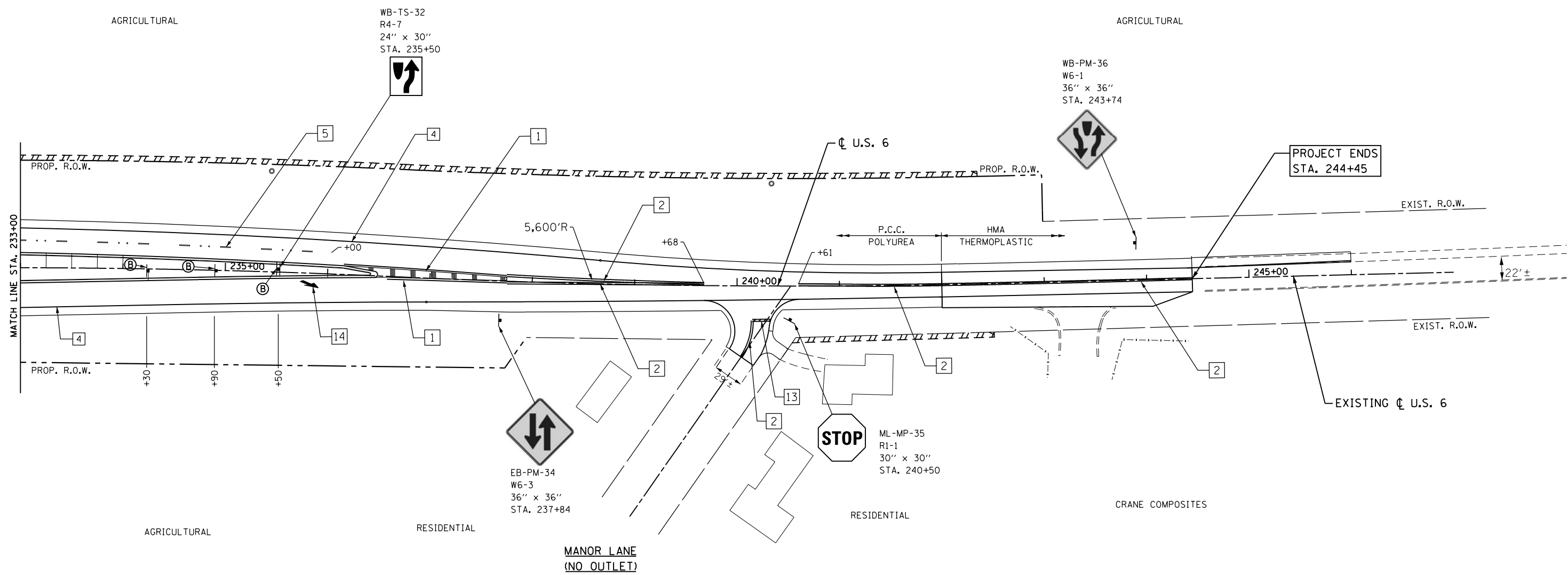
AGRICULTURAL

AGRICULTURAL

RESIDENTIAL

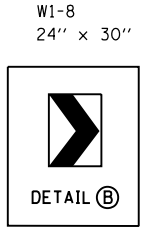
RESIDENTIAL

CRANE COMPOSITES



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

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



PAVEMENT MARKING GENERAL NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA FOR MARKINGS ON PCC SURFACES AND THERMOPLASTIC ON HMA SURFACES.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL "TC-11" FOR TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
3. PAVEMENT MARKING SHALL BE PLACED AS SHOWN ON "DISTRICT ONE PAVEMENT MARKINGS TC-13"

LEGEND

- |   |  |  |
|---|--|--|
| 1 LINE 4" (YELLOW SOLID LINE)           | 5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 9 LINE 12" (YELLOW SOLID LINE)                   |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES)   | 6 LINE 6" (WHITE SOLID LINE)                     | 10 LINE 12" (YELLOW DIAGONAL LINE)               |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)   | 11 LINE 12" (WHITE SOLID LINE)                   |
| 4 LINE 4" (WHITE SOLID LINE)            | 8 LINE 8" (WHITE SOLID LINE)                     | 12 LINE 12" (WHITE DIAGONAL LINE)                |
|   |  | 13 LINE 24" (WHITE STOP BAR)                     |
|   |  | 14 LETTERS AND SYMBOLS (TYP.)                    |
|   |  | 15 LINE 6" (WHITE LANE LINE - 3' DASH, 9' SKIP)  |
|   |  | 16 LINE 4" (YELLOW LANE LINE - 2' DASH, 6' SKIP) |

FILE NAME = 0160130-sht-pm03.dgn  
PLOT DATE = 1/16/2016  
PLOT SCALE = 1/8" = 50' / 1/4" = 100'

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN  
U.S. 6**

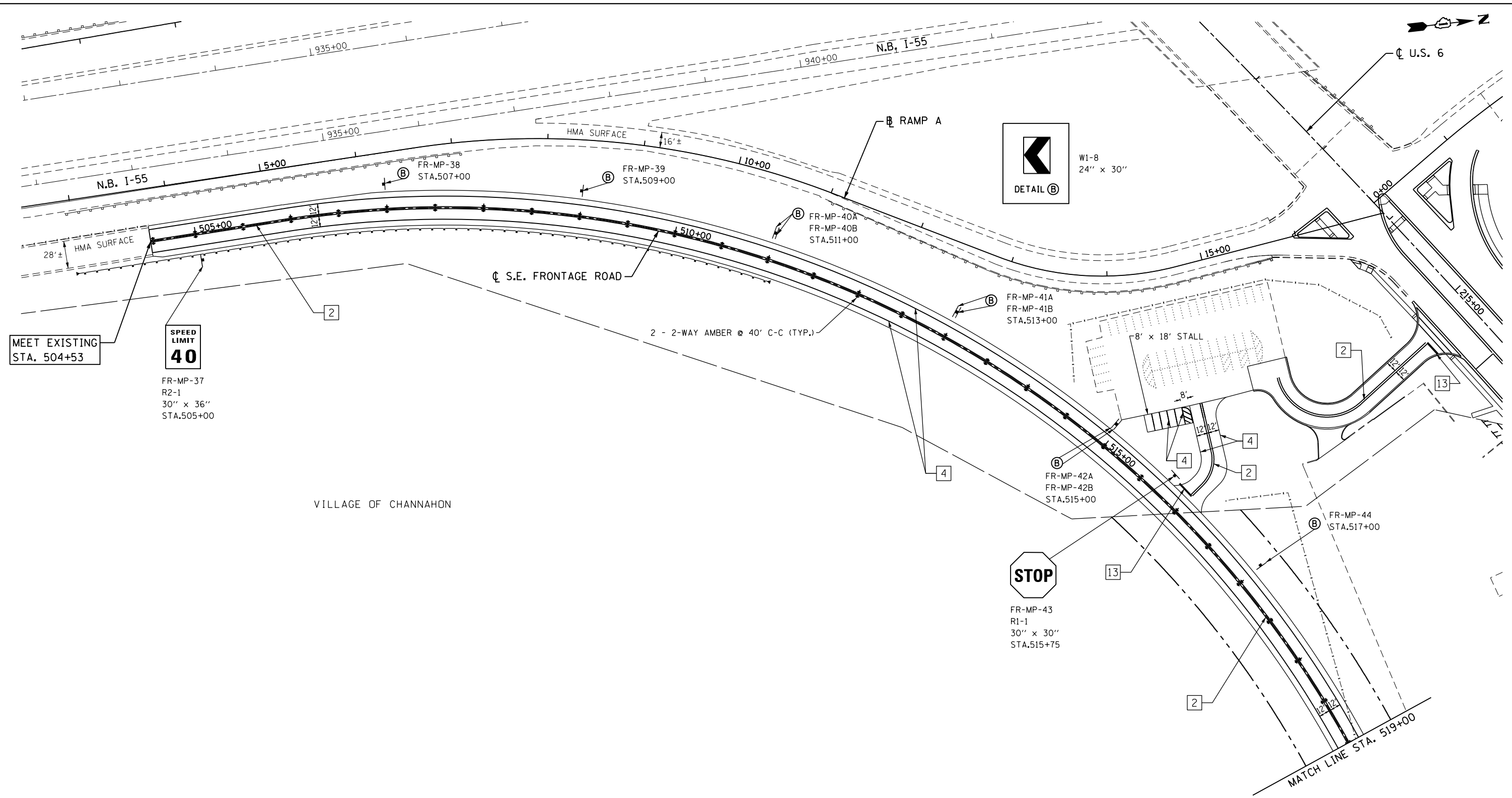
SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	120
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

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



MEET EXISTING  
STA. 504+53

**SPEED LIMIT**  
**40**  
FR-MP-37  
R2-1  
30" x 36"  
STA.505+00

VILLAGE OF CHANNAHON

**STOP**  
FR-MP-43  
R1-1  
30" x 30"  
STA.515+75

**PAVEMENT MARKING GENERAL NOTES:**

- ALL PAVEMENT MARKINGS SHALL BE POLYUREA FOR MARKINGS ON PCC SURFACES AND THERMOPLASTIC ON HMA SURFACES.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL "TC-11" FOR TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
- PAVEMENT MARKING SHALL BE PLACED AS SHOWN ON "DISTRICT ONE PAVEMENT MARKINGS TC-13"

**LEGEND**

- |   |  |                                    |  |
|---|--|------------------------------------|--|
| 1 LINE 4" (YELLOW SOLID LINE)           | 5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 9 LINE 12" (YELLOW SOLID LINE)     | 13 LINE 24" (WHITE STOP BAR)                     |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES)   | 6 LINE 6" (WHITE SOLID LINE)                     | 10 LINE 12" (YELLOW DIAGONAL LINE) | 14 LETTERS AND SYMBOLS (TYP.)                    |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)   | 11 LINE 12" (WHITE SOLID LINE)     | 15 LINE 6" (WHITE LANE LINE - 3' DASH, 9' SKIP)  |
| 4 LINE 4" (WHITE SOLID LINE)            | 8 LINE 8" (WHITE SOLID LINE)                     | 12 LINE 12" (WHITE DIAGONAL LINE)  | 16 LINE 4" (YELLOW LANE LINE - 2' DASH, 6' SKIP) |

FILE NAME =D160130-shr-pm04.dgn  
PLOT DATE =1/16/2016  
PLOT SCALE=100.0000' / in.

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

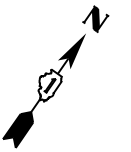
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**  
**S.E. FRONTAGE ROAD**

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	121
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

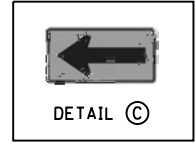
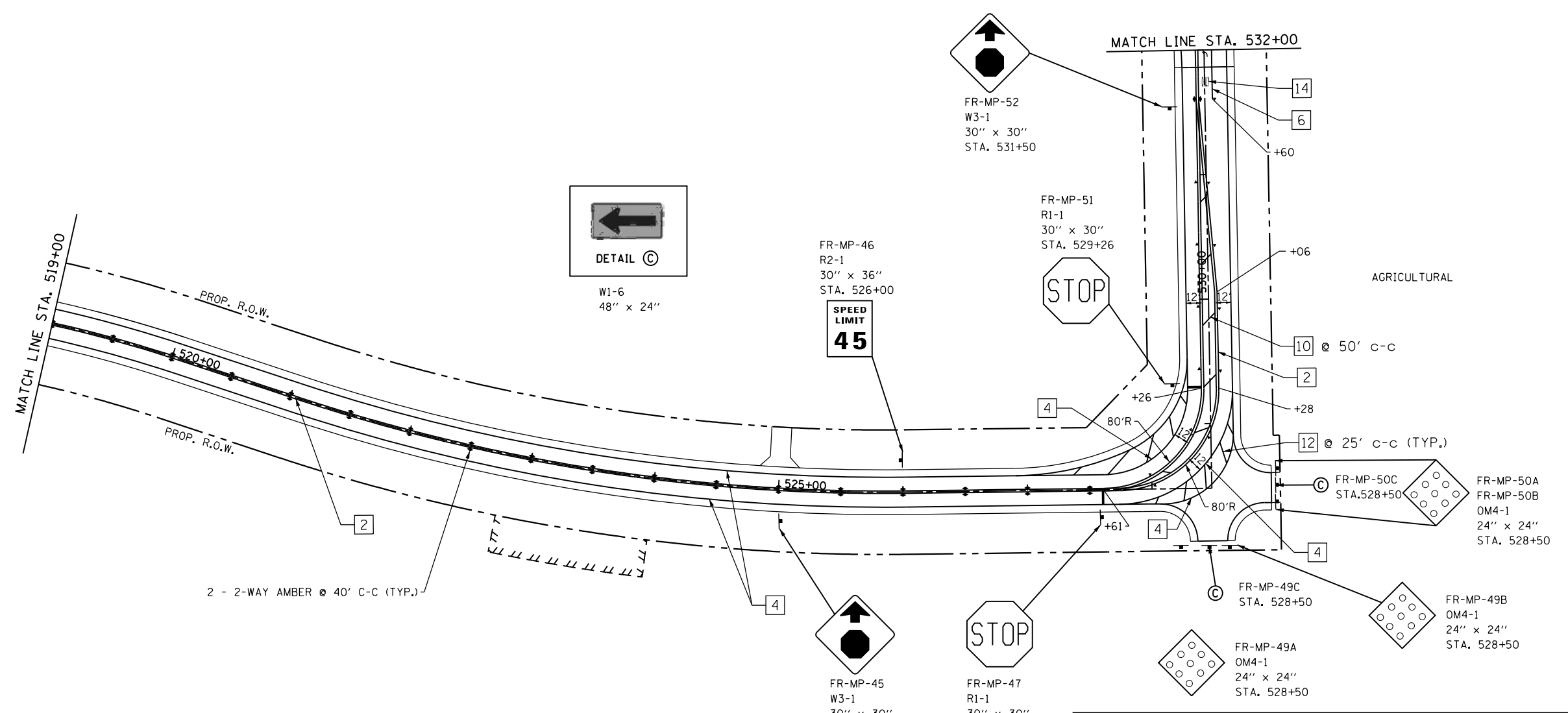




VILLAGE OF CHANNAHON

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.					

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.					



**LEGEND**

- |   |  |                                    |  |
|---|--|------------------------------------|--|
| 1 LINE 4" (YELLOW SOLID LINE)           | 5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 9 LINE 12" (YELLOW SOLID LINE)     | 13 LINE 24" (WHITE STOP BAR)                     |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES)   | 6 LINE 6" (WHITE SOLID LINE)                     | 10 LINE 12" (YELLOW DIAGONAL LINE) | 14 LETTERS AND SYMBOLS (TYP.)                    |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)   | 11 LINE 12" (WHITE SOLID LINE)     | 15 LINE 6" (WHITE LANE LINE - 3' DASH, 9' SKIP)  |
| 4 LINE 4" (WHITE SOLID LINE)            | 8 LINE 8" (WHITE SOLID LINE)                     | 12 LINE 12" (WHITE DIAGONAL LINE)  | 16 LINE 4" (YELLOW LANE LINE - 2' DASH, 6' SKIP) |

**PAVEMENT MARKING GENERAL NOTES:**

- ALL PAVEMENT MARKINGS SHALL BE POLYUREA FOR MARKINGS ON PCC SURFACES AND THERMOPLASTIC ON HMA SURFACES.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL "TC-11" FOR TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
- PAVEMENT MARKING SHALL BE PLACED AS SHOWN ON "DISTRICT ONE PAVEMENT MARKINGS TC-13"

FILE NAME = 0160130-sht-pm05.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 100.0000' / 1"



DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN  
S.E. FRONTAGE ROAD**

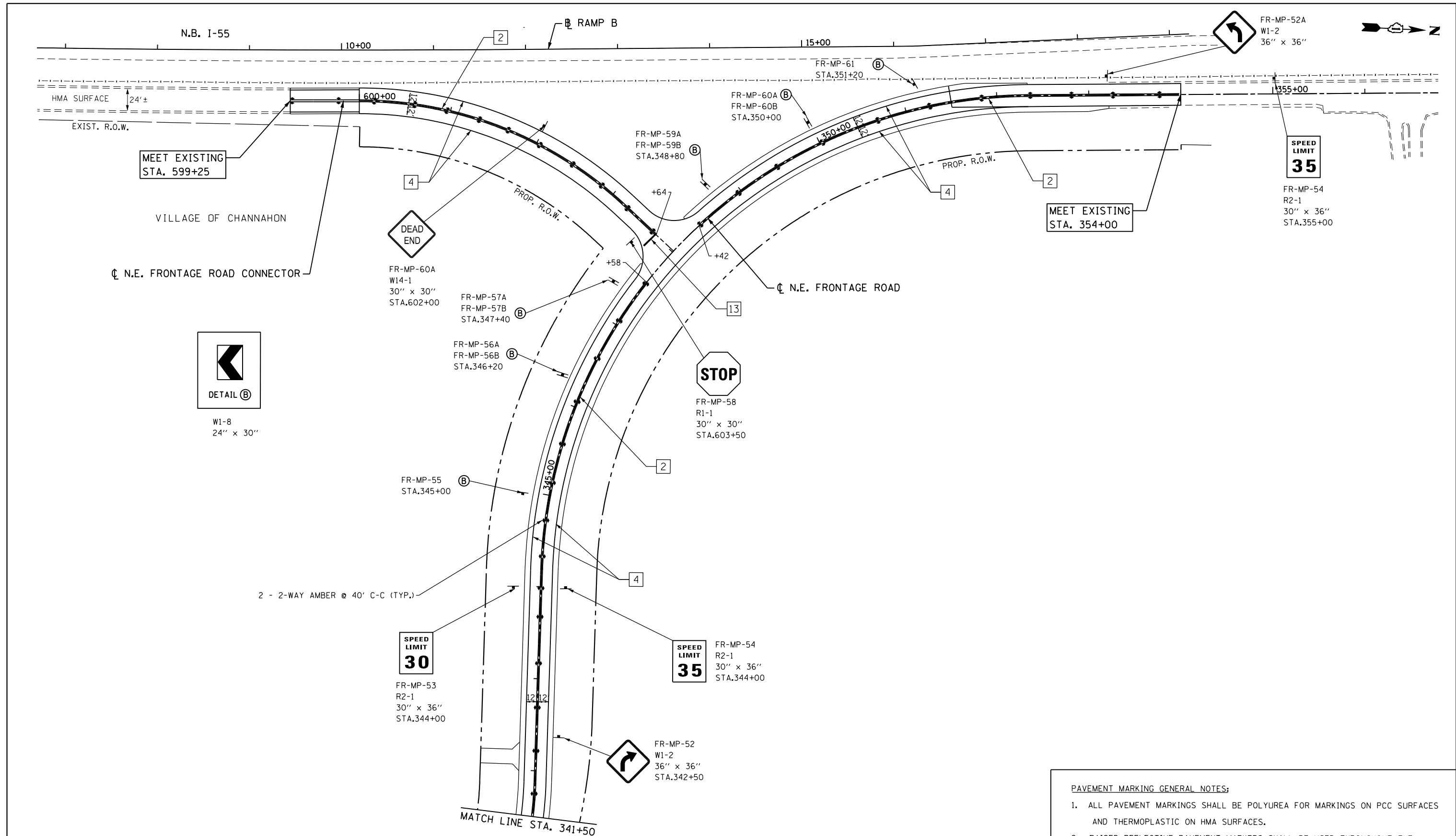
SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	122
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



**PAVEMENT MARKING GENERAL NOTES:**

- ALL PAVEMENT MARKINGS SHALL BE POLYUREA FOR MARKINGS ON PCC SURFACES AND THERMOPLASTIC ON HMA SURFACES.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL "TC-11" FOR TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
- PAVEMENT MARKING SHALL BE PLACED AS SHOWN ON "DISTRICT ONE PAVEMENT MARKINGS TC-13"

<b>LEGEND</b>			
1 LINE 4" (YELLOW SOLID LINE)	5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	9 LINE 12" (YELLOW SOLID LINE)	13 LINE 24" (WHITE STOP BAR)
2 LINE 4" (DOUBLE YELLOW SOLID LINES)	6 LINE 6" (WHITE SOLID LINE)	10 LINE 12" (YELLOW DIAGONAL LINE)	14 LETTERS AND SYMBOLS (TYP.)
3 LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11 LINE 12" (WHITE SOLID LINE)	15 LINE 6" (WHITE LANE LINE - 3' DASH, 9' SKIP)
4 LINE 4" (WHITE SOLID LINE)	8 LINE 8" (WHITE SOLID LINE)	12 LINE 12" (WHITE DIAGONAL LINE)	16 LINE 4" (YELLOW LANE LINE - 2' DASH, 6' SKIP)

FILE NAME = D160130-sht-pm06.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 100.0000' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

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

**PAVEMENT MARKING AND SIGNING PLAN**  
**N.E. FRONTAGE ROAD**

SCALE: 1" = 50'    SHEET NO. 6 OF 6 SHEETS    STA.    TO STA.

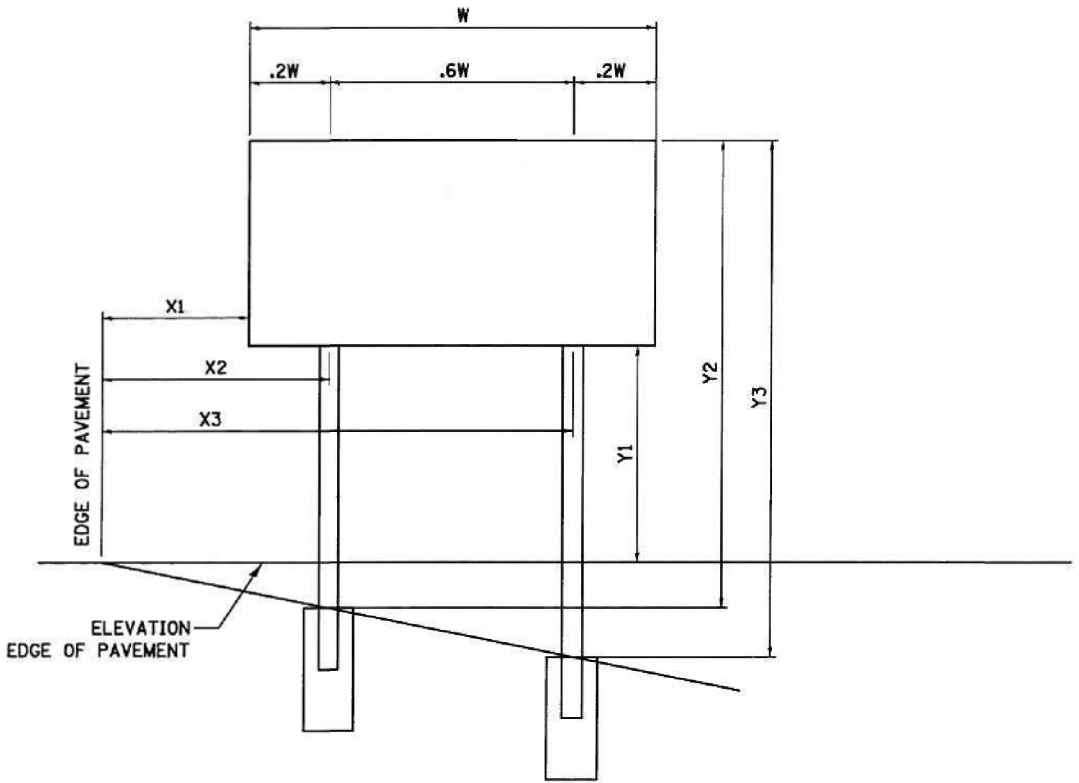
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	123
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



BREAK-AWAY WIDE FLANGE STEEL SIGN POST SCHEDULE																				
SIGN NAME	LOCATION		SIGN DESCRIPTION	SIGN SIZE			X1	X2	X3	Y1	Y2	Y3	NUMBER OF POSTS	POST TYPE	TOTAL LENGTH (Y2+Y3)	72700100	73400100	73700100	73700200	
	STATION	OFFSET		W (FT)	D (FT)	(SQ FT)										STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	CONCRETE FOUNDATION	REMOVE GROUND MOUNTED SIGN SUPPORT	REMOVE CONCRETE FOUNDATION GROUND MOUNT	
																(FOOT)	(POUNDS)	(CU YD)	(EACH)	(EACH)
US ROUTE 6 @ I-55																				
WB-GM-17	216+00	LT	CHICAGO BLOOMINGTON	13.0	10.5	141.1	21.0	23.7	31.8	7.0	18.5	20.6	2	W12 X 26	39.1	1,007.0	2.8	2	2	
TOTAL																1,007	2.8	2	2	

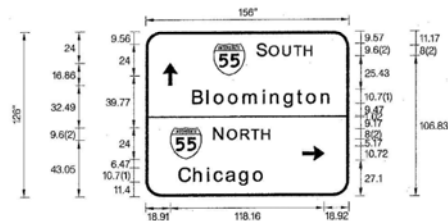
NOTE: THE CONTRACTOR SHALL FIELD VERIFY ALL SIGN MESSAGES AND CONFIGURATIONS IN THE FIELD PRIOR TO ORDERING SIGNS AND STEEL POSTS.

NOTE: FOR ADDITIONAL DETAILS, SEE STANDARDS BAW-A-1 AND STANDARD BAW-A-2





SIGN DETAIL



FONT:  
 (1) ClearViewHwy-5-W-R  
 (2) ClearViewHwy-5-W

Panel Style: guide\_con\_advance.ssf  
 Dimensions are in Custom (") Letter locations are panel edge to lower left corner

SIGN NUMBER	US6-GM-672
WIDTH x HGHT.	156" x 126"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: High Intensity COLOR: GreenGreen
LEGEND/BORDER	TYPE: High Intensity COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	51.96	92.42	24	24
ARMED	90	13.45	85.14	10.72	16.87
M1_1	0	18.91	28.84	24	24
ARMED	0	120.2	27.17	10.72	16.87

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE	
S	O	U	T	H							ClearViewHwy-5-W	
85.57	95	105.29	113.87	122.03						42.56	9.6,8	
B	I	O	O	M	I	N	G	T	O	N	ClearViewHwy-5-W-R	
36.38	47.47	52.98	63.78	75	90.27	95.94	106.32	116.44	123.92	135.14	106.16	10.76,71
N	O	R	T	H							ClearViewHwy-5-W	
52.53	63	73.28	81.22	89.37							42.96	9.6,8
C	H	I	C	A	G	O					ClearViewHwy-5-W-R	
25.85	37.11	47.7	52.95	61.99	72.25	83					65.38	10.76,71

COPYRIGHT © 2010 BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL ENGINEER FROM  
 23,000 S. LA SALLE ST. CHICAGO, IL 60601  
 4/7/2010 9:04:02 PM C:\D:\STATEN\LD\100533-AD-Desig\W010-010-CADD-SURVEY\DRAWINGS\0005\W003-#001-SIGN-DETS-REPORTS.dgn

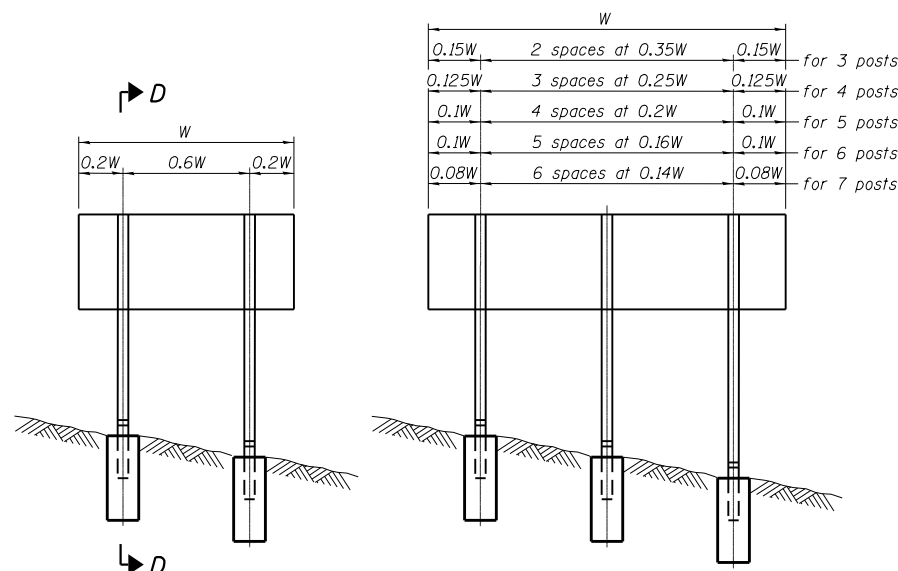


DESIGNED	-	DJS	REVISED	-	
DRAWN	-	UKB	REVISED	-	
CHECKED	-	RWL	REVISED	-	
DATE	-	11-8-10	FILE	-	100153-W010-SIGN-DETS-REPORTS.dgn

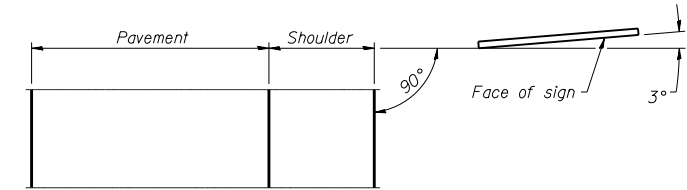
NOTE : SIGN SHOWN ON THIS SHEET IS RELOCATED ONLY AS PART OF CONTRACT NO. 60I30

**FOR INFORMATION ONLY**

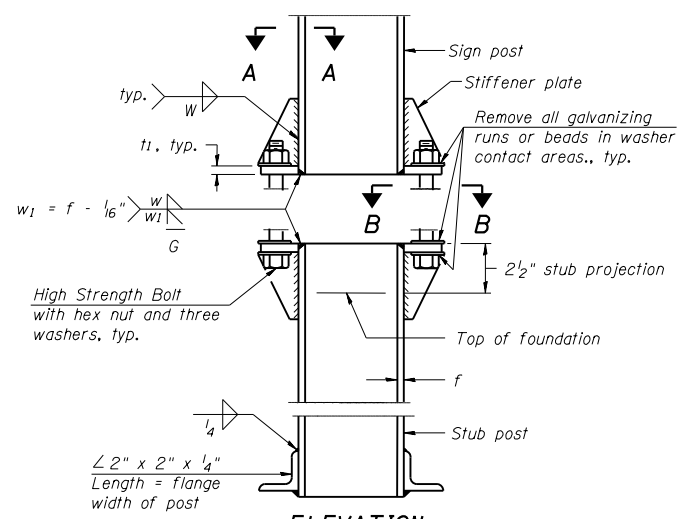
FILE NAME =D160130-shr-GM SIGN PANEL DETAIL PLOT DATE =1/16/2016 PLOT SCALE=100.0000' / in.	CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 221 NORTH LASALLE STREET, SUITE 300 CHICAGO, ILLINOIS 60601 PHONE: (312) 577-3300	DESIGNED - S.J.P.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GROUND MOUNTED SIGN PANEL DETAIL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - B.K.	REVISED -		55	99(1&2)AC-R-3	WILL	225	125			
		CHECKED - M.P.	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60I30			
		DATE - JANUARY 15, 2016	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



**ELEVATION**

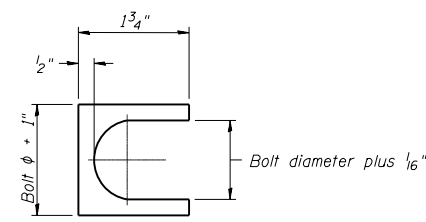


**LOCATION SKETCH**



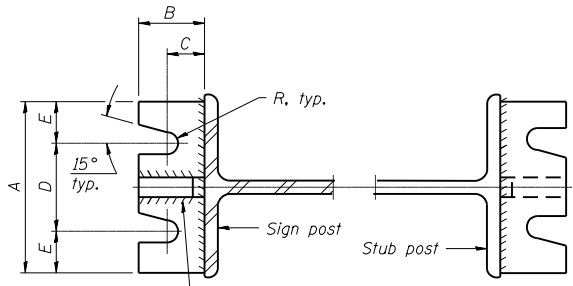
**ELEVATION  
SIGN POST & STUB POST**

Post Spacing	Number of Posts
0.15W (2 spaces at 0.35W)	for 3 posts
0.125W (3 spaces at 0.25W)	for 4 posts
0.1W (4 spaces at 0.2W)	for 5 posts
0.1W (5 spaces at 0.16W)	for 6 posts
0.08W (6 spaces at 0.14W)	for 7 posts



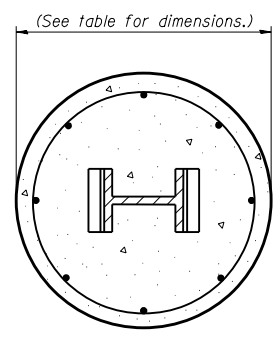
**SHIM DETAIL**

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

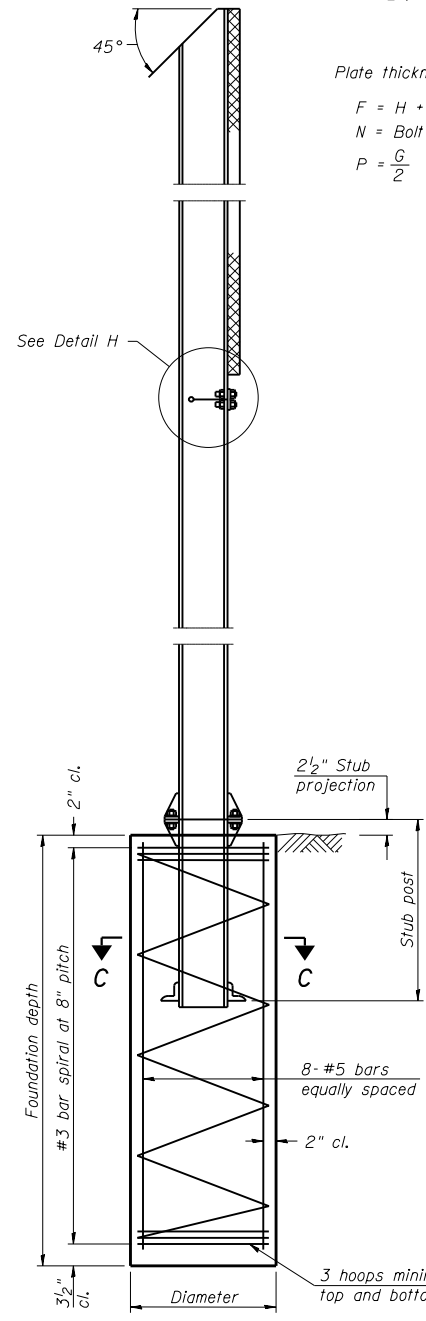


**SECTION A-A**

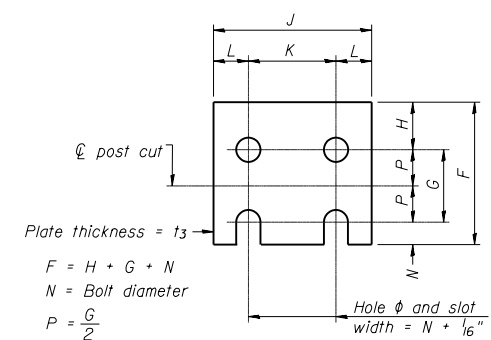
**SECTION B-B**



**SECTION C-C**

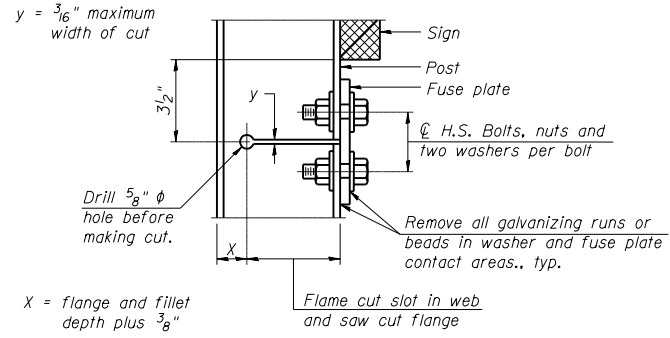


**SECTION D-D**

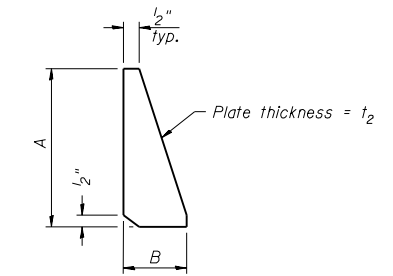


**FUSE PLATE DETAIL**  
(Install with notches down.)

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



**DETAIL H**



**STIFFENER PLATE DETAIL**

**GENERAL NOTES**

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:  
Structural steel - 20,000 p.s.i.  
Reinforcing steel - 20,000 p.s.i.  
Concrete - 1,400 p.s.i.  
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1 6-1-12

(Sheet 1 of 2)

FILE NAME = D160130-sht-sign-stl.post-1.dgn  
PLOT DATE = 1/16/2016  
PLOT SCALE = 40.0001" / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.  
DRAWN - B.K.  
CHECKED - M.P.  
DATE - JANUARY 15, 2016

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BREAK-AWAY WIDE FLANGE  
STEEL SIGN POST DETAILS**

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

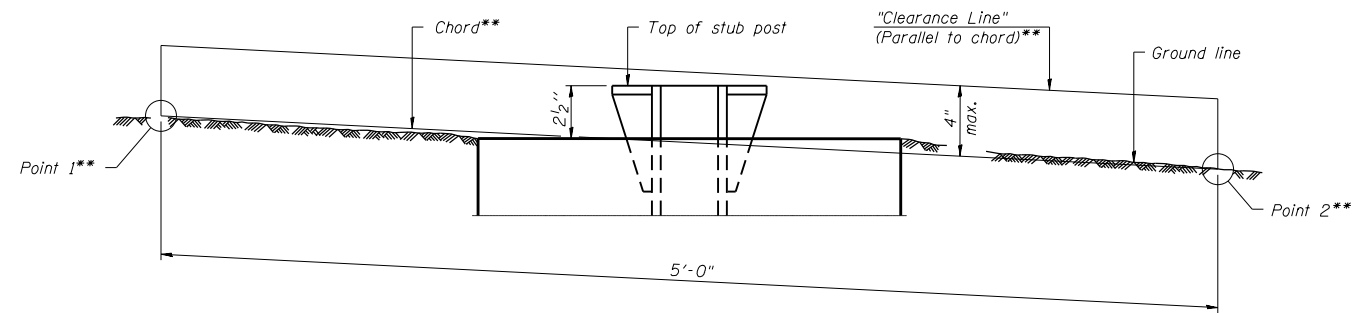
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	126
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

\*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"
W16x45	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"



ELEVATION  
GROUND LINE & STUB POST

\*\* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2

6-1-12

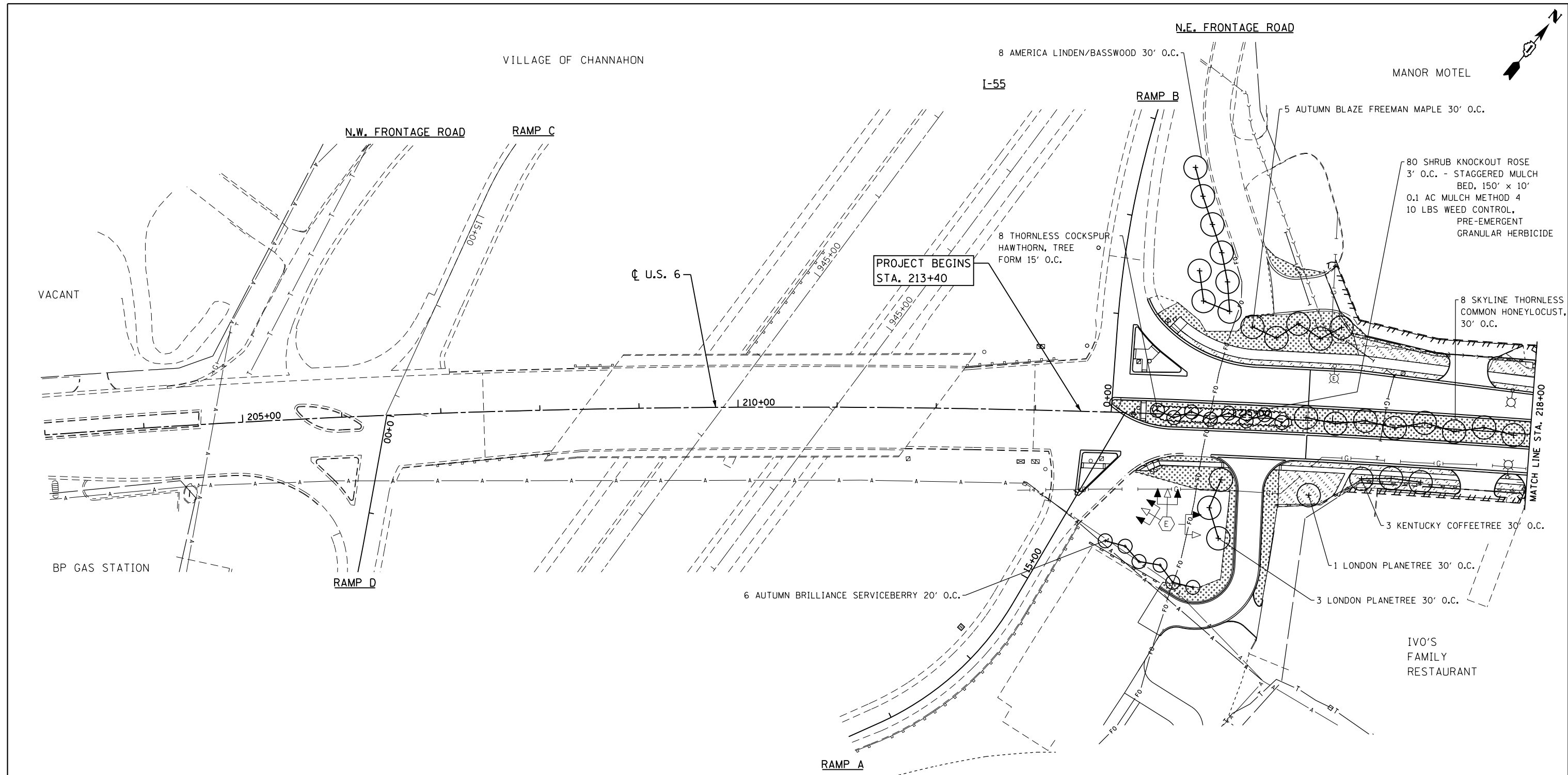
(Sheet 2 of 2)

FILE NAME = 0160130-sht-sign-stl.post-11.dgn	DESIGNED - S.J.P.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT DATE = 1/16/2016	DRAWN - B.K.	REVISED -			55	99(1&2)AC-R-3	WILL	225	127	
PLOT SCALE = 40.0001' / in.	CHECKED - M.P.	REVISED -			CONTRACT NO. 60130					
	DATE - JANUARY 15, 2016	REVISED -			SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



**LANDSCAPING LEGEND**

	SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
	SODDING (SALT TOLERANT)
	CONSTRUCTION LIMITS
	SEEDING CLASS 3 & CLASS 4 W/ EROSION CONTROL BLANKET
	SEEDING CLASS 4B, WITH EROSION CONTROL BLANKET
	PERMANENT AGGREGATE DITCH CHECK
	SHRUB BED

FILE NAME = 0160130-shr-1s01.dgn  
 PLOT DATE = 3/11/2016  
 PLOT SCALE = 100.0000' / 1" =

**CR**  
**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED	- S.J.P.	REVISED	-
DRAWN	- B.K.	REVISED	-
CHECKED	- M.P.	REVISED	-
DATE	- MARCH 11, 2016	REVISED	-

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

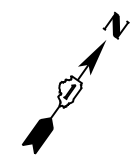
**LANDSCAPING PLAN**  
**U.S. 6**  
 SCALE: 1" = 50'  
 SHEET NO. 1 OF 6 SHEETS  
 STA. 213+40 TO STA. 218+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	128
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

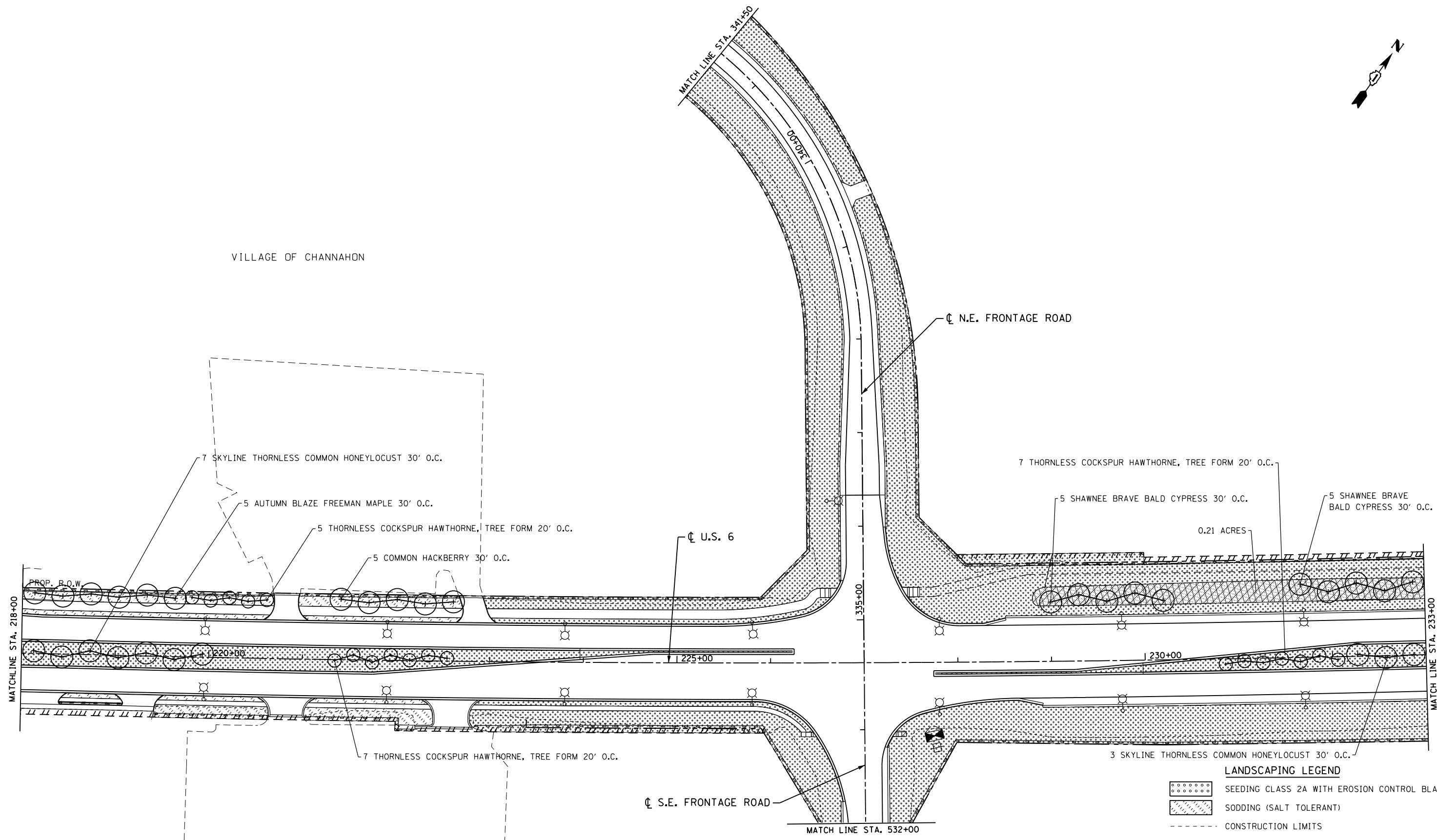


DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



VILLAGE OF CHANNAHON



**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SODDING (SALT TOLERANT)
- CONSTRUCTION LIMITS
- SEEDING CLASS 3 & CLASS 4 W/ EROSION CONTROL BLANKET
- SEEDING CLASS 4B, WITH EROSION CONTROL BLANKET
- PERMANENT AGGREGATE DITCH CHECK
- SHRUB BED

FILE NAME = 0160130-shr-1s02.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 100.0000' / 1"

**CR**  
**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

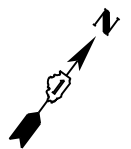
DESIGNED	- S.J.P.	REVISED	-
DRAWN	- B.K.	REVISED	-
CHECKED	- M.P.	REVISED	-
DATE	- JANUARY 15, 2016	REVISED	-

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

**LANDSCAPING PLAN**  
**U.S. 6**

SCALE: 1" = 50'    SHEET NO. 2 OF 6 SHEETS    STA. 218+00 TO STA. 233+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	129
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



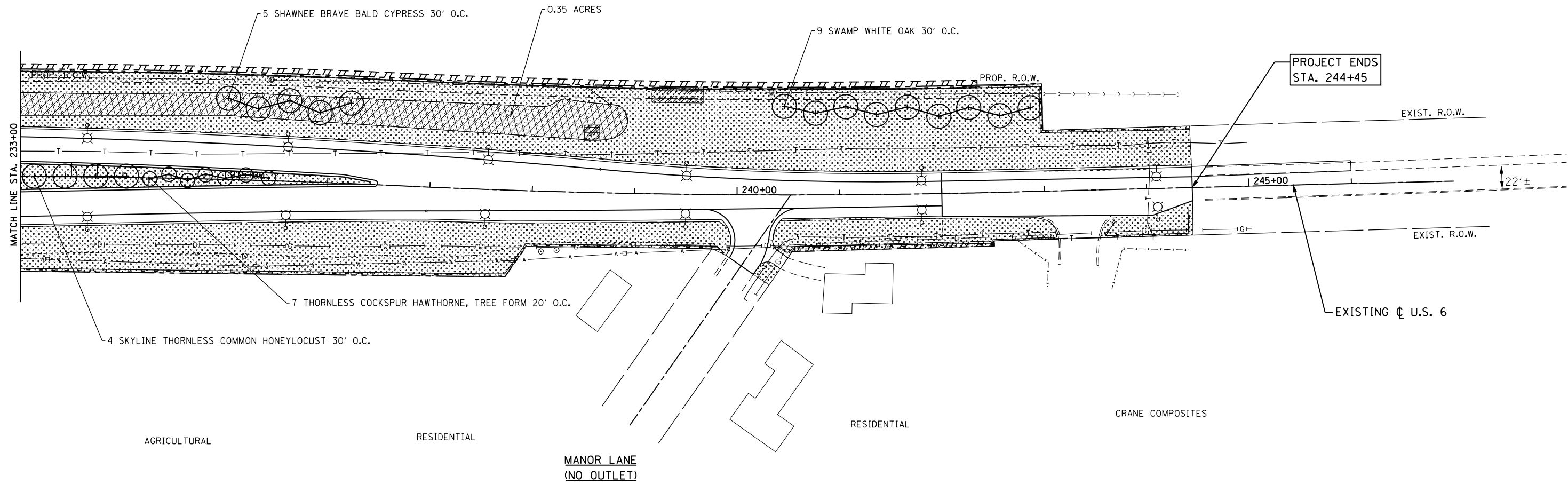
VILLAGE OF CHANNAHON

AGRICULTURAL

AGRICULTURAL

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



PROJECT ENDS STA. 244+45

EXIST. R.O.W.

EXIST. R.O.W.

EXISTING  $\phi$  U.S. 6

AGRICULTURAL

RESIDENTIAL

RESIDENTIAL

CRANE COMPOSITES

MANOR LANE  
(NO OUTLET)

LANDSCAPING LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SODDING (SALT TOLERANT)
- CONSTRUCTION LIMITS
- SEEDING CLASS 3 & CLASS 4 W/ EROSION CONTROL BLANKET
- SEEDING CLASS 4B, WITH EROSION CONTROL BLANKET
- PERMANENT AGGREGATE DITCH CHECK
- SHRUB BED

FILE NAME = 0160130-shr-1s03.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 1/80.0000 "/>

**CR**  
**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED	- S.J.P.	REVISED	-
DRAWN	- B.K.	REVISED	-
CHECKED	- M.P.	REVISED	-
DATE	- JANUARY 15, 2016	REVISED	-

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

**LANDSCAPING PLAN**  
**U.S. 6**

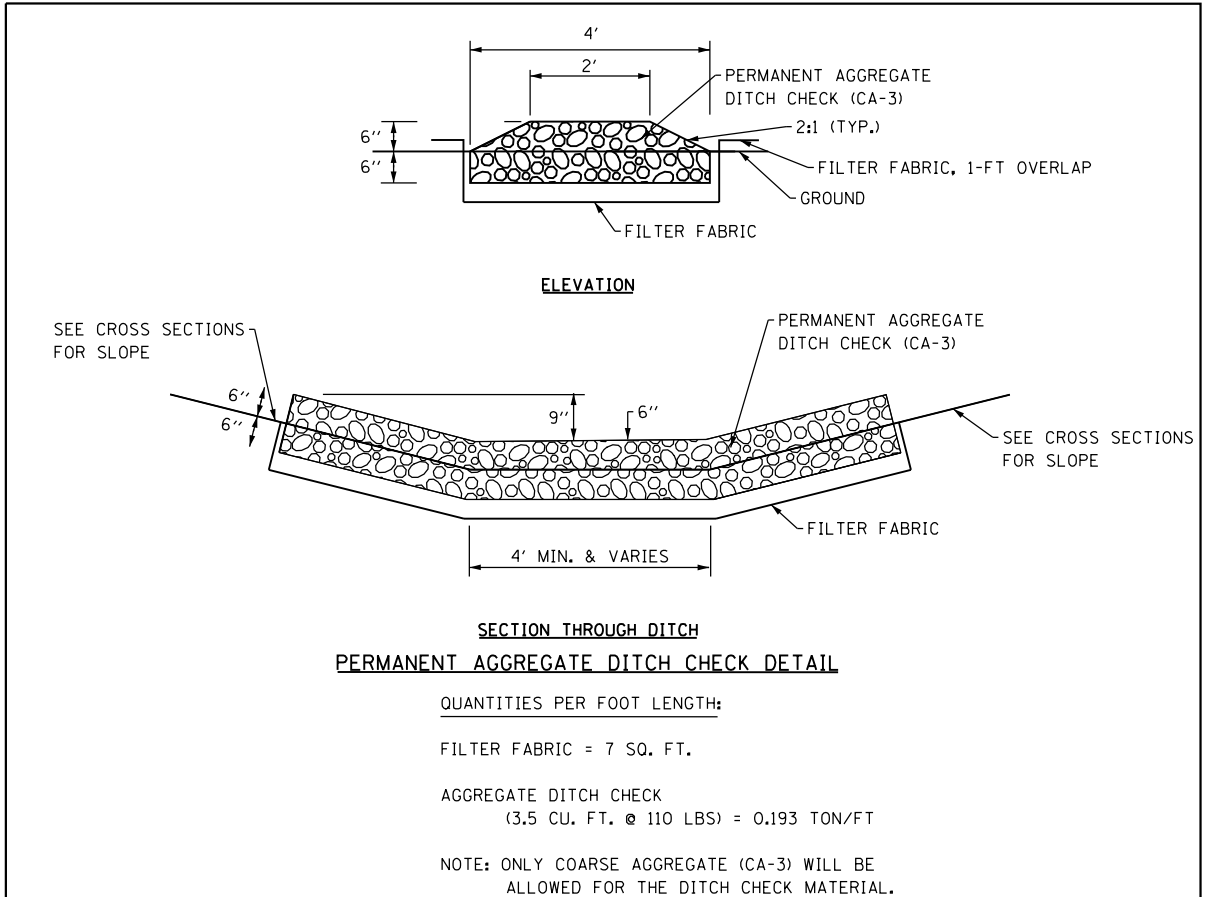
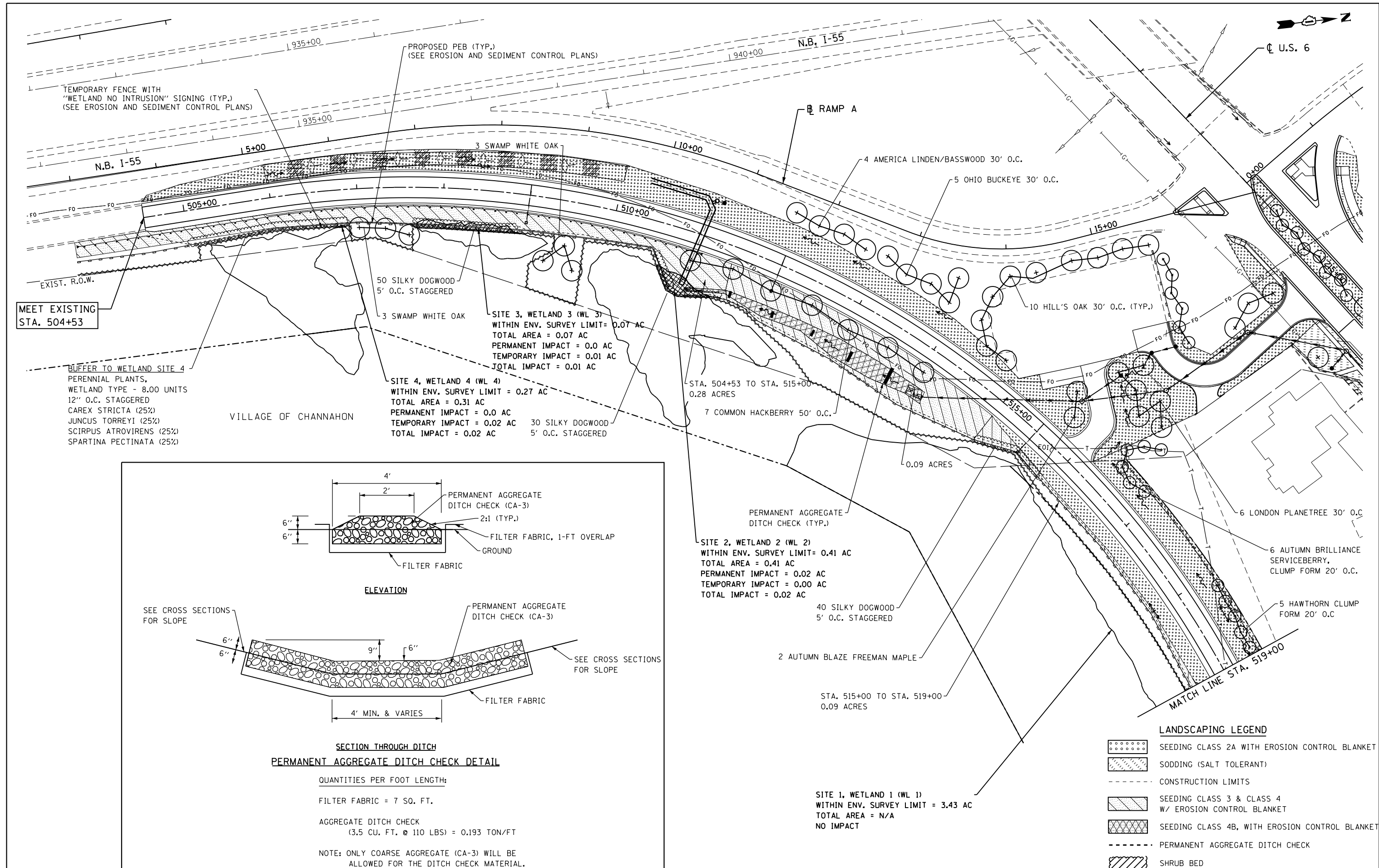
SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. 233+00 TO STA. 244+45

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	130
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

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



**LANDSCAPING LEGEND**

	SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
	SODDING (SALT TOLERANT)
	CONSTRUCTION LIMITS
	SEEDING CLASS 3 & CLASS 4 W/ EROSION CONTROL BLANKET
	SEEDING CLASS 4B, WITH EROSION CONTROL BLANKET
	PERMANENT AGGREGATE DITCH CHECK
	SHRUB BED

FILE NAME = 0160130-shr-1s04.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 1/8" = 1' / 1/4"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

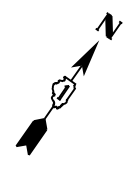
DESIGNED	- S.J.P.	REVISED	-
DRAWN	- B.K.	REVISED	-
CHECKED	- M.P.	REVISED	-
DATE	- JANUARY 15, 2016	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN  
S.E. FRONTAGE ROAD**

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. 504+53 TO STA. 519+00

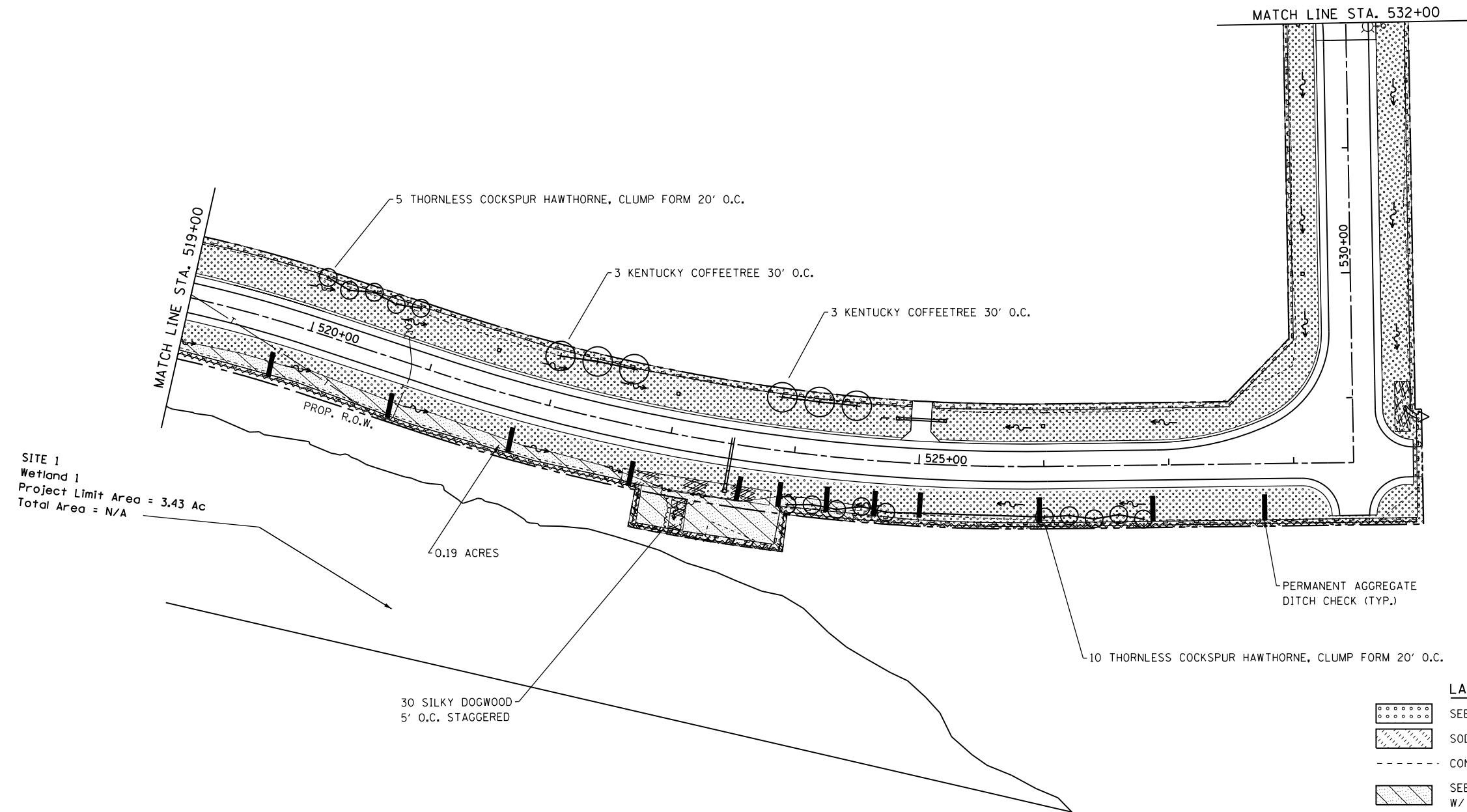
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	131
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



VILLAGE OF CHANNAHON

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

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



SITE 1  
Wetland 1  
Project Limit Area = 3.43 Ac  
Total Area = N/A

AGRICULTURAL

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SODDING (SALT TOLERANT)
- CONSTRUCTION LIMITS
- SEEDING CLASS 3 & CLASS 4 W/ EROSION CONTROL BLANKET
- SEEDING CLASS 4B, WITH EROSION CONTROL BLANKET
- PERMANENT AGGREGATE DITCH CHECK
- SHRUB BED

FILE NAME = D160130-shr-1s05.dgn  
PLOT DATE = 1/16/2016  
PLOT SCALE = 1/8" = 1' / 1/8" = 1'

**CR**  
**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN  
S.E. FRONTAGE ROAD**

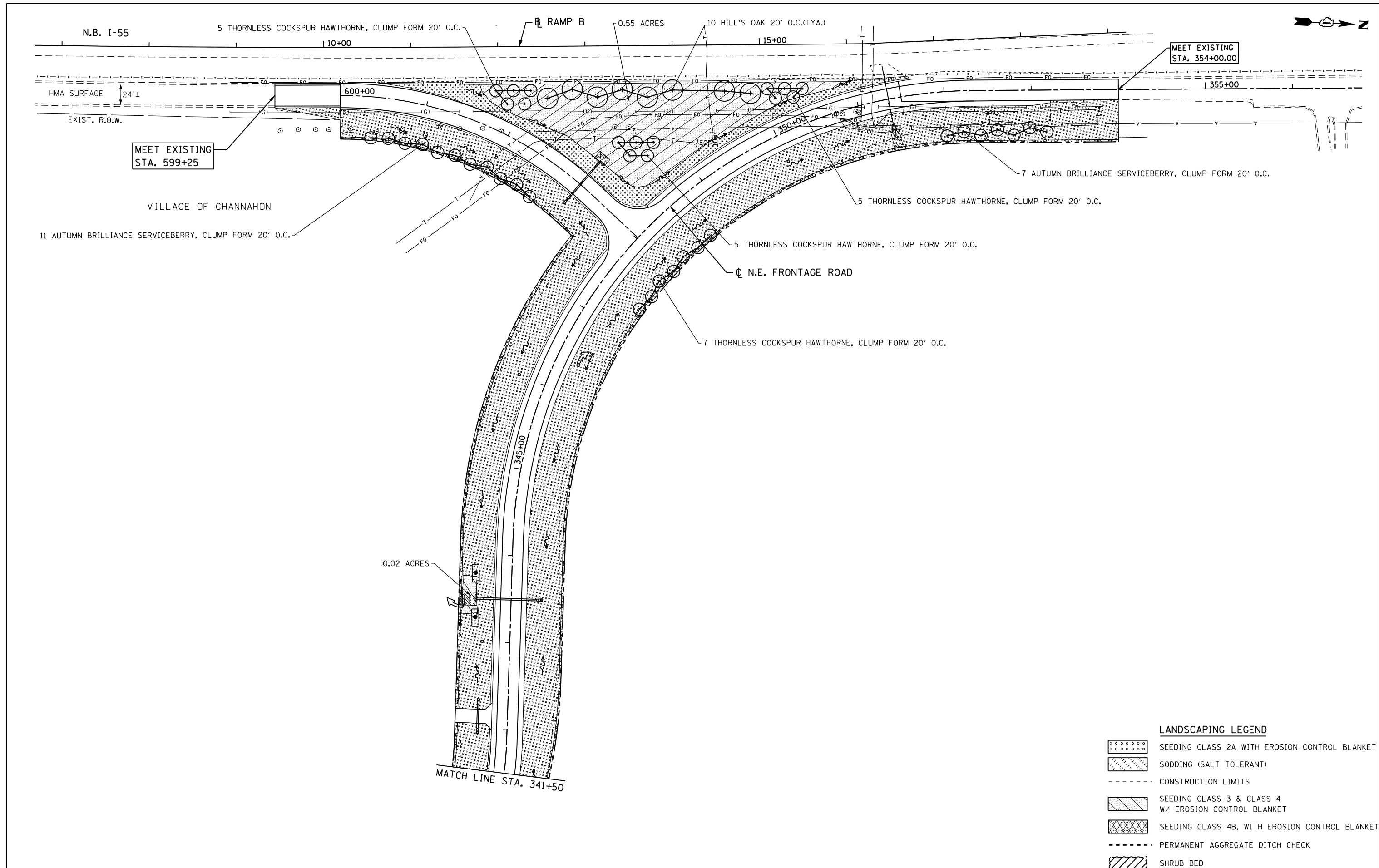
SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. 519+00 TO STA. 532+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	132
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 60130	



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

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



MEET EXISTING STA. 354+00.00

MEET EXISTING STA. 599+25

VILLAGE OF CHANNAHON

11 AUTUMN BRILLIANCE SERVICEBERRY, CLUMP FORM 20' O.C.

7 AUTUMN BRILLIANCE SERVICEBERRY, CLUMP FORM 20' O.C.

5 THORNLESS COCKSPUR HAWTHORNE, CLUMP FORM 20' O.C.

5 THORNLESS COCKSPUR HAWTHORNE, CLUMP FORM 20' O.C.








N.E. FRONTAGE ROAD

7 THORNLESS COCKSPUR HAWTHORNE, CLUMP FORM 20' O.C.

0.02 ACRES

MATCH LINE STA. 341+50

**LANDSCAPING LEGEND**

-  SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
-  SODDING (SALT TOLERANT)
-  CONSTRUCTION LIMITS
-  SEEDING CLASS 3 & CLASS 4 W/ EROSION CONTROL BLANKET
-  SEEDING CLASS 4B, WITH EROSION CONTROL BLANKET
-  PERMANENT AGGREGATE DITCH CHECK
-  SHRUB BED

FILE NAME = 0160130-sht-1s06.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 100.0000' / 1"

**CR**  
 CHRISTIAN-ROGE & ASSOCIATES, INC.  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN  
 N.E. FRONTAGE ROAD**

SCALE: 1" = 50' SHEET NO. 6 OF 6 SHEETS STA. 341+50 TO STA. 354+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	133
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

# 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			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				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)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				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				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				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				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE 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)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

## RAILROAD SYMBOLS

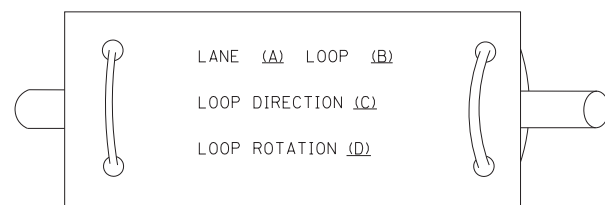
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		



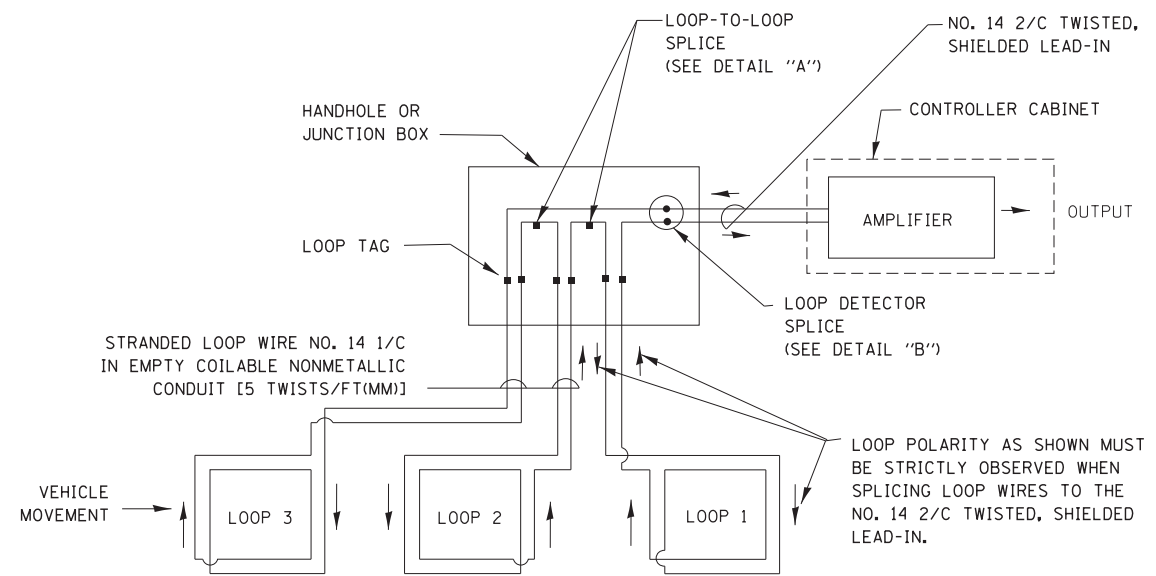
**LOOP DETECTOR NOTES**

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**

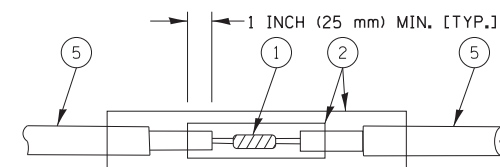


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

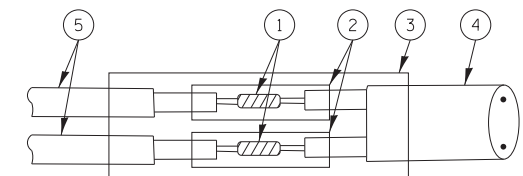


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

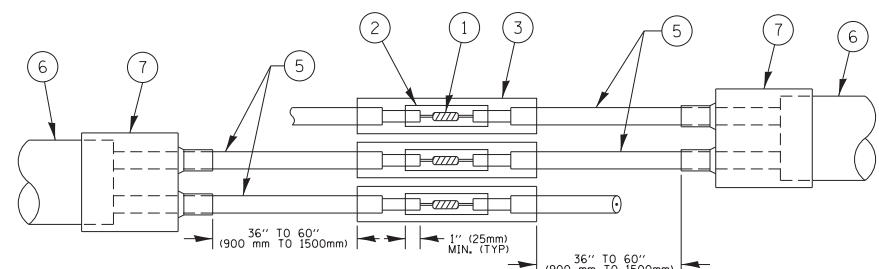


DETAIL "A"  
LOOP-TO-LOOP SPLICE

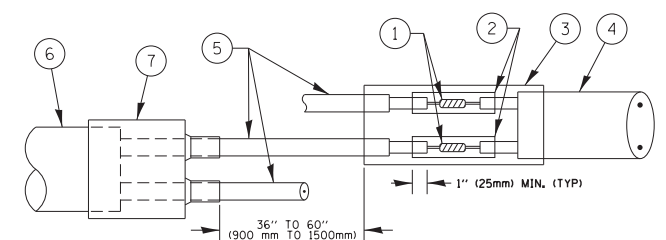


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

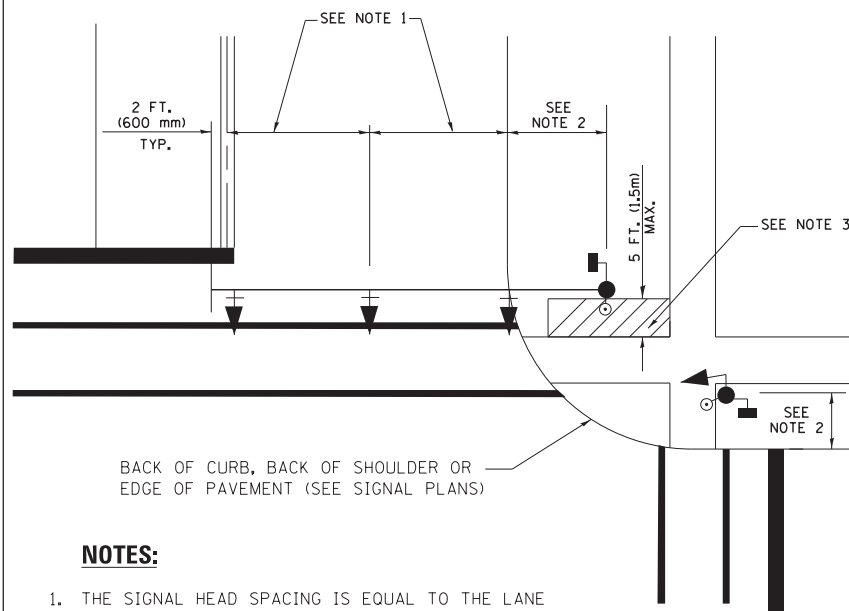
**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		PLOT SCALE = 50.0000' / in.	CHECKED - DAD		REVISED -				<b>TS-05</b>		CONTRACT NO. 60130	
		PLOT DATE = 1/13/2014	DATE - 10-28-09		REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

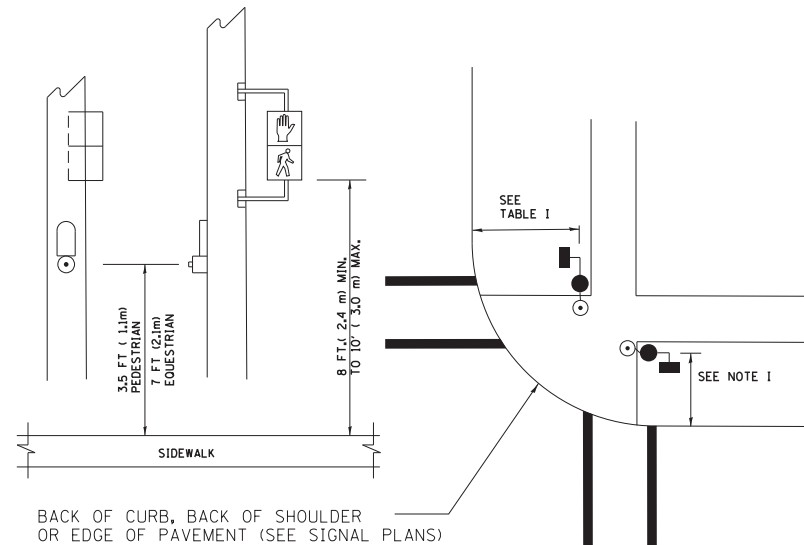
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**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."

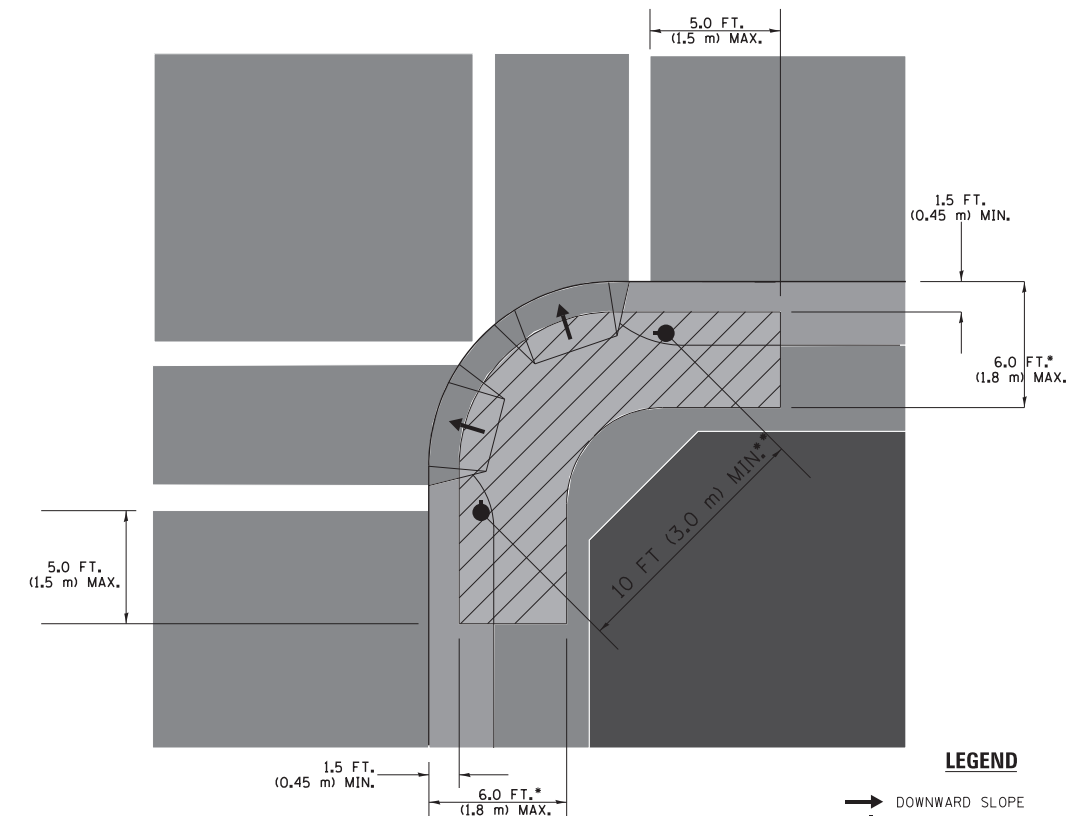
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**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.

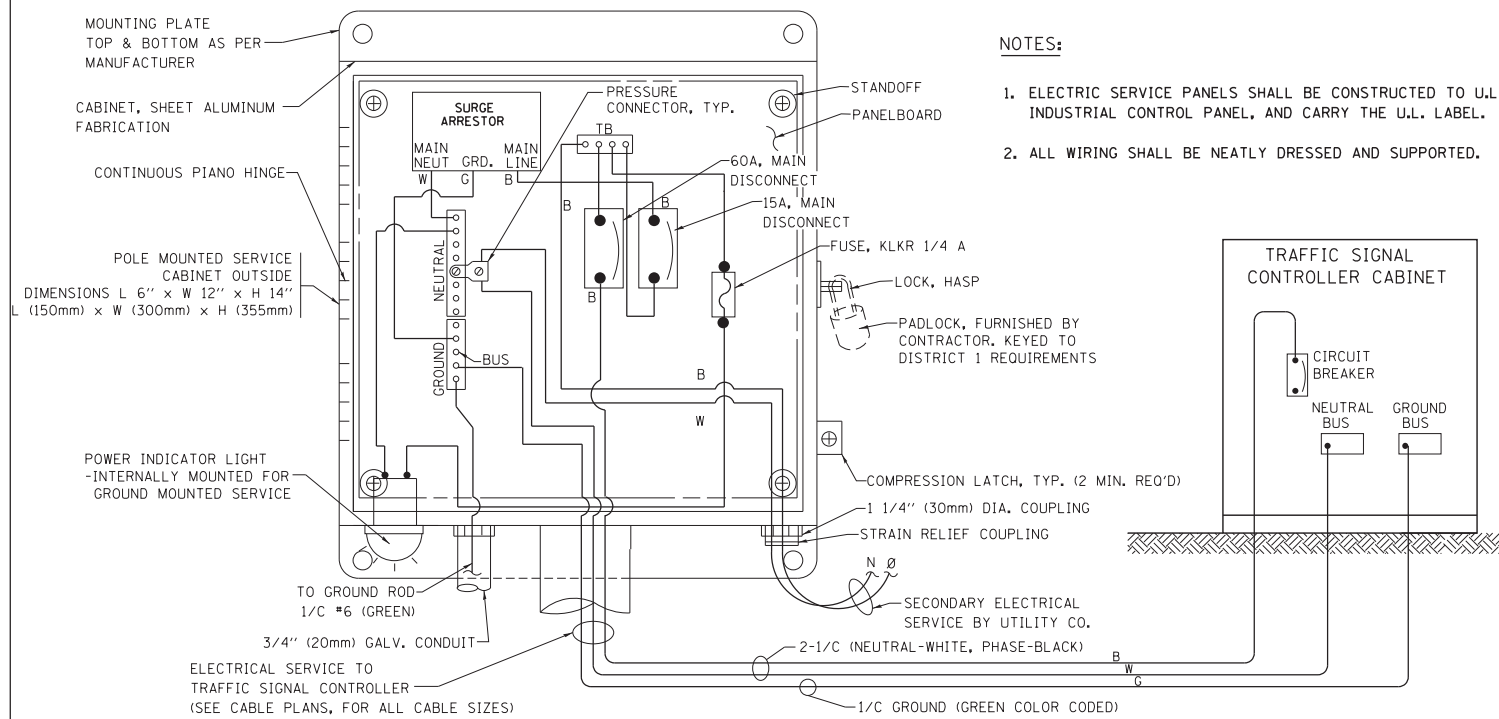
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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.

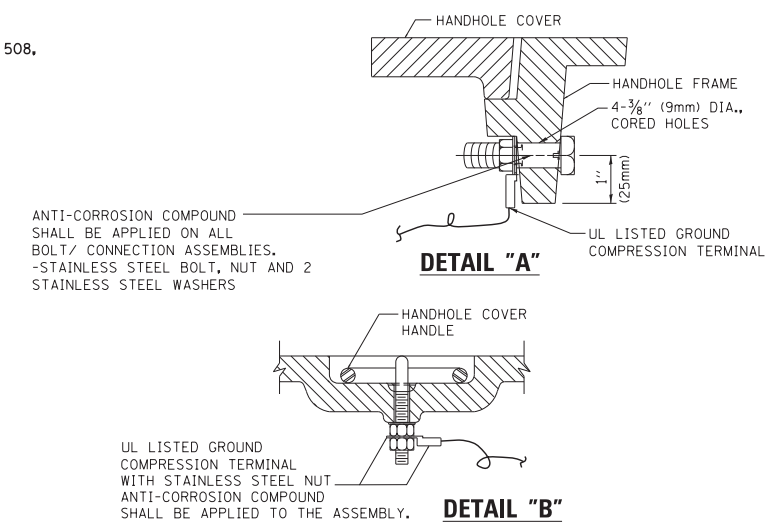
**NOTES:**

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.



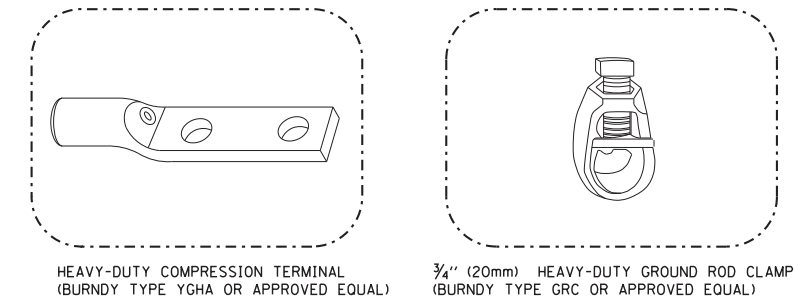
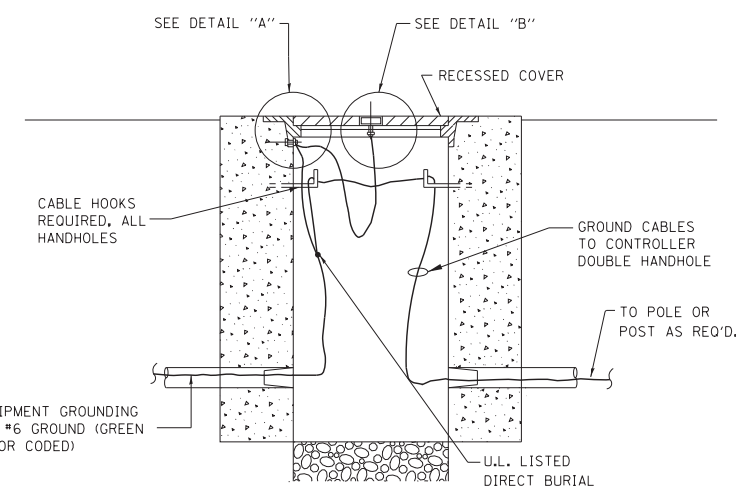


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**

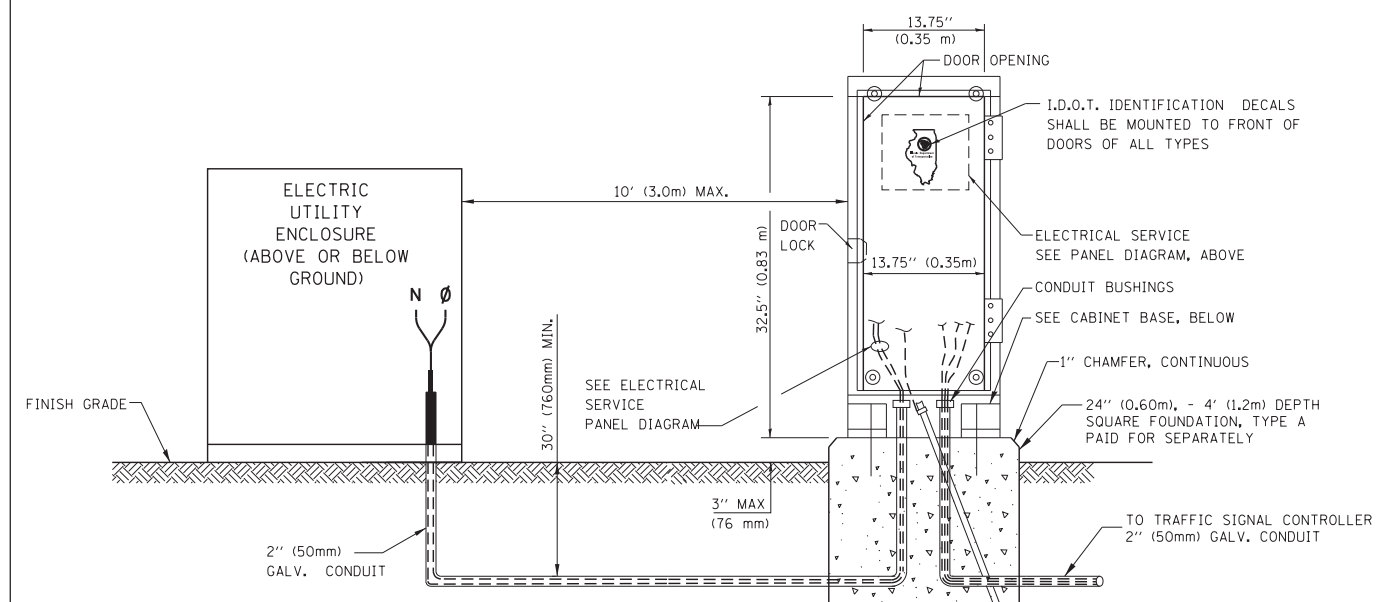
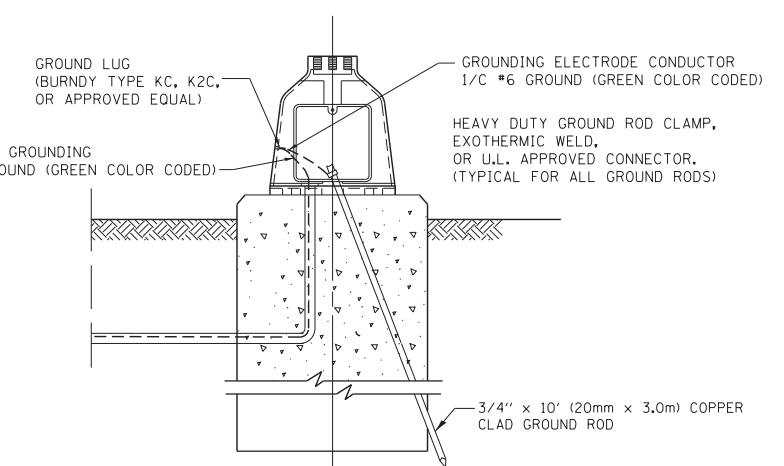
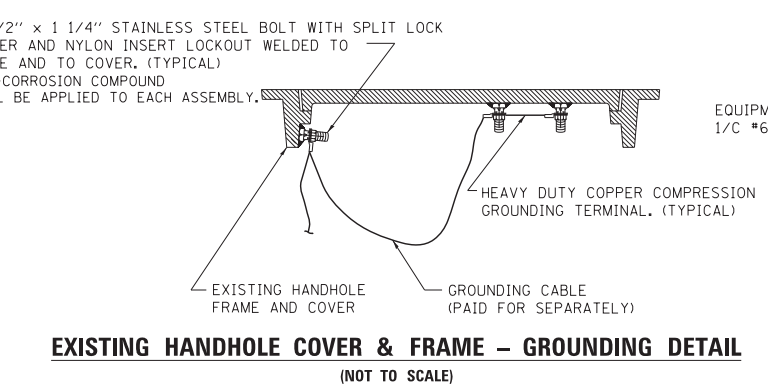


**NOTES:  
GROUNDING SYSTEM**

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.

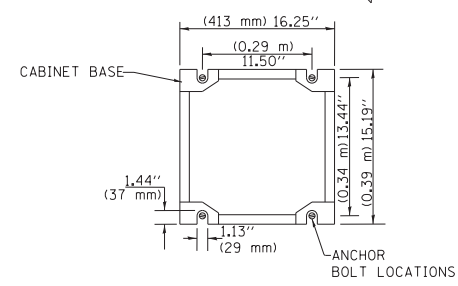


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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

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

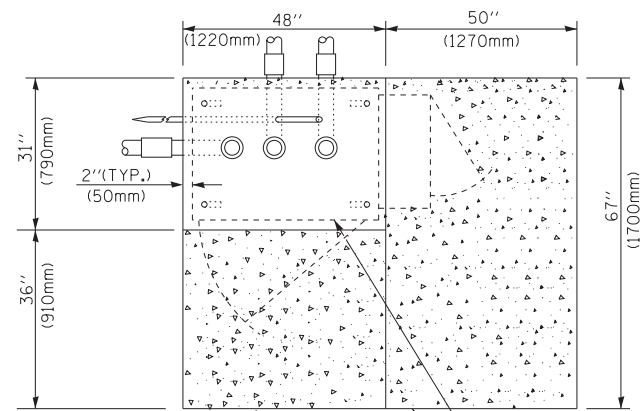


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		DATE - 10-28-09	REVISED -

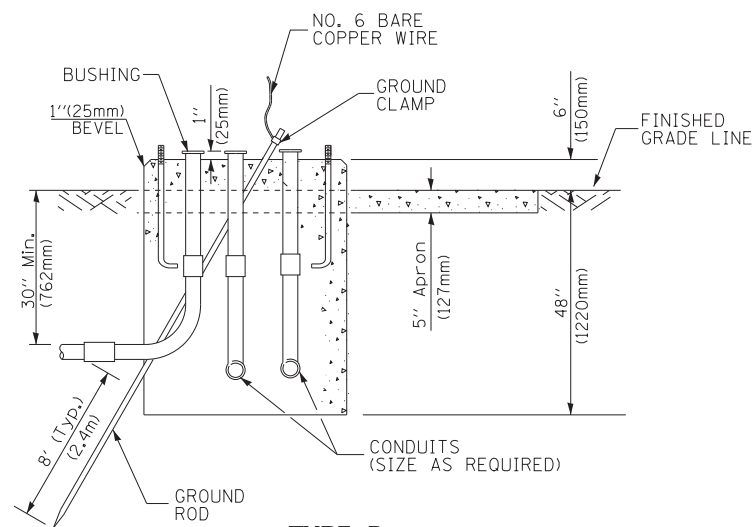
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

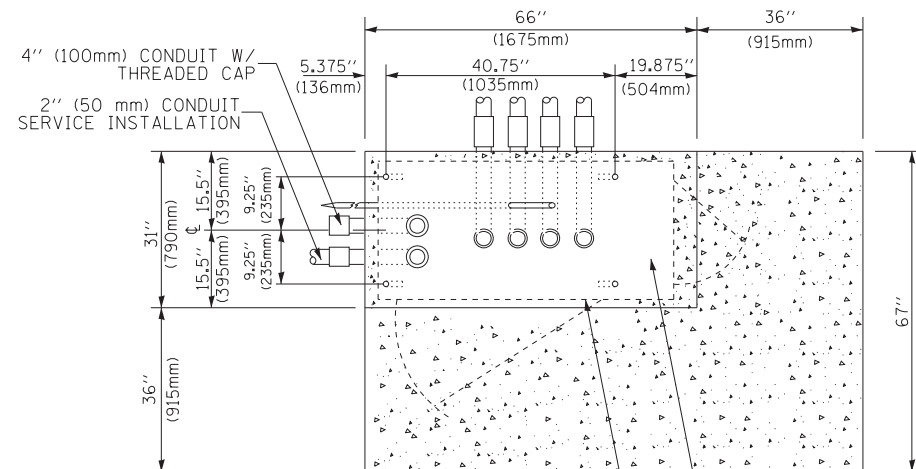
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<b>TS-05</b>	WILL	225	137
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60130



**TOP VIEW**



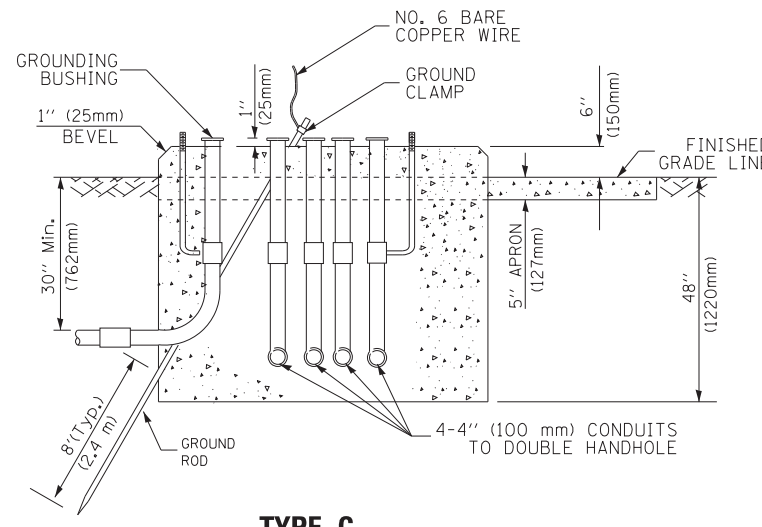
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



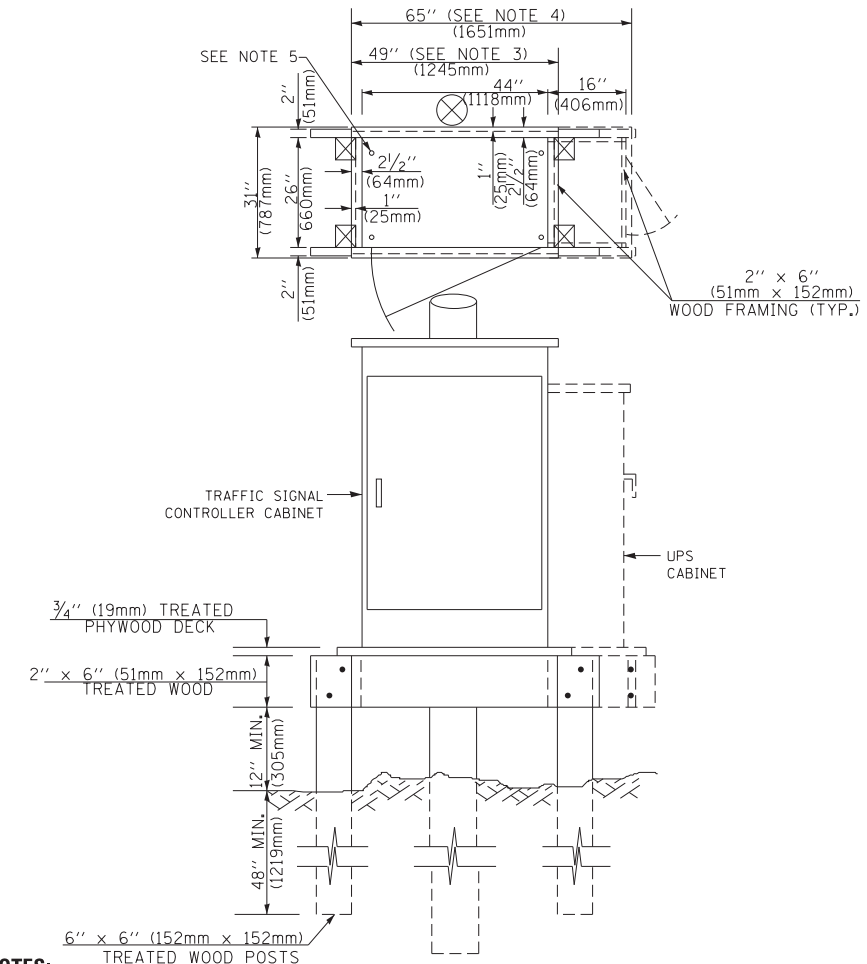
**TOP VIEW**

**NOTE:**

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	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)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	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..

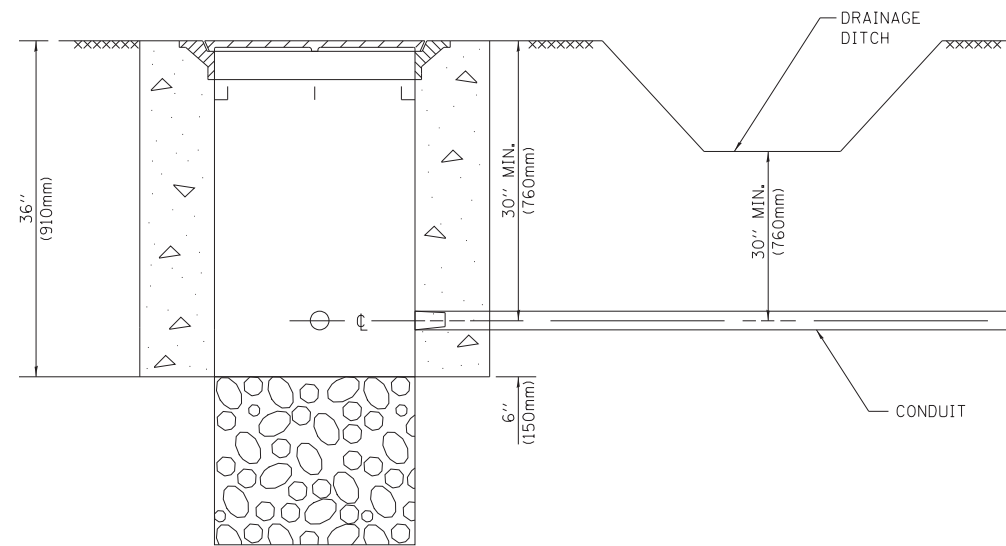
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS				WILL	225	138
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

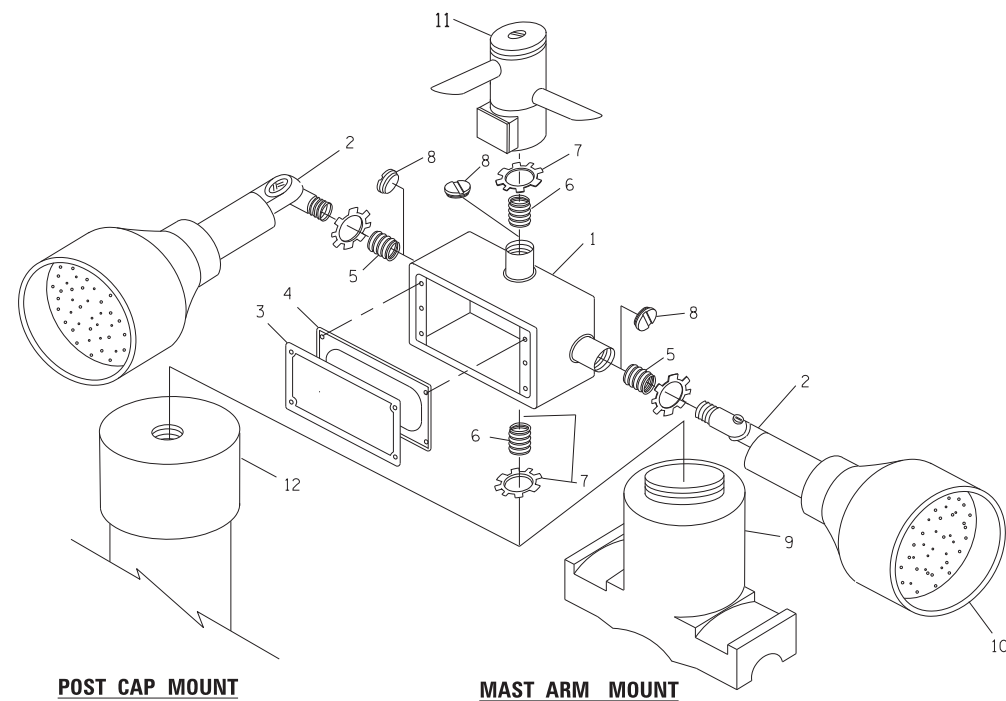




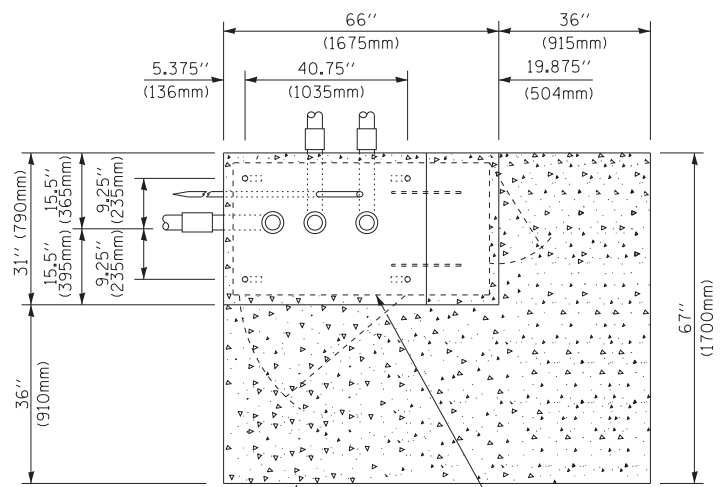
**NOTES:**

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

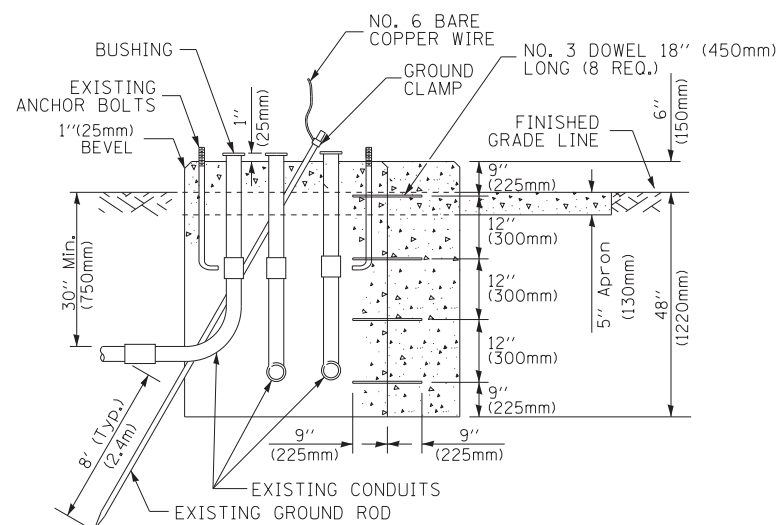
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



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



**TOP VIEW**  
(NOT TO SCALE)

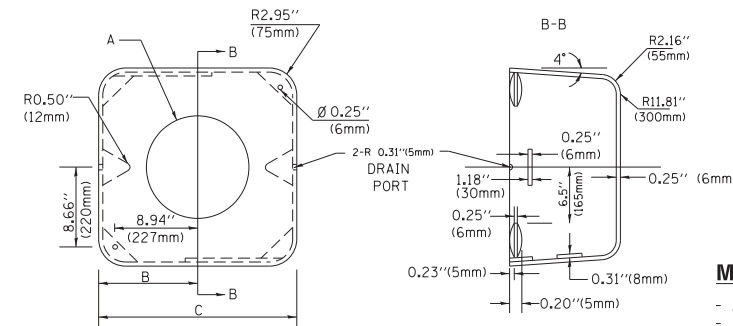


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**

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

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

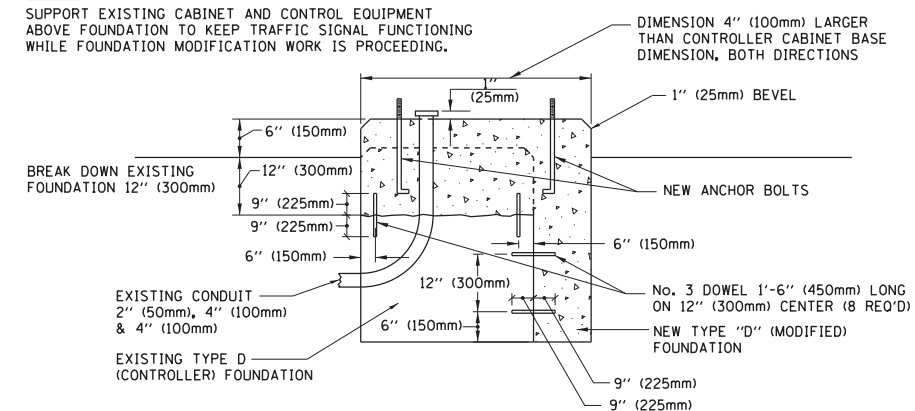
**SHROUD**

**NOTES:**

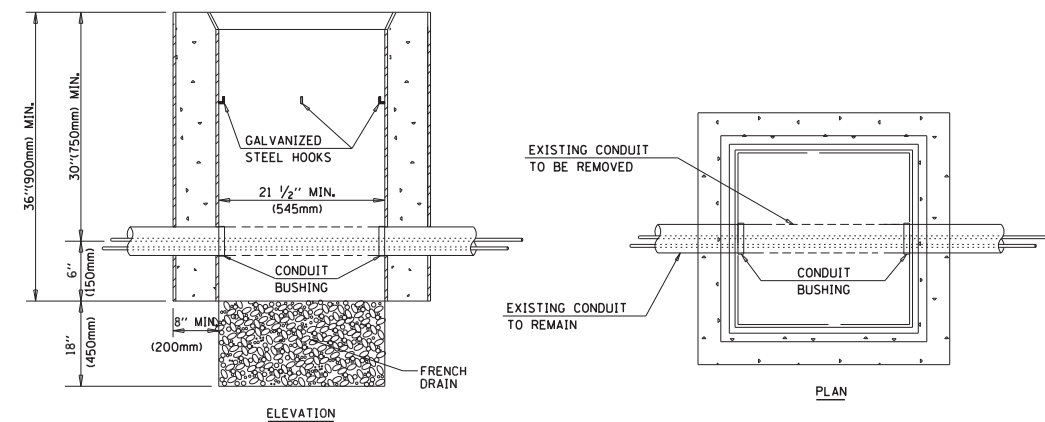
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

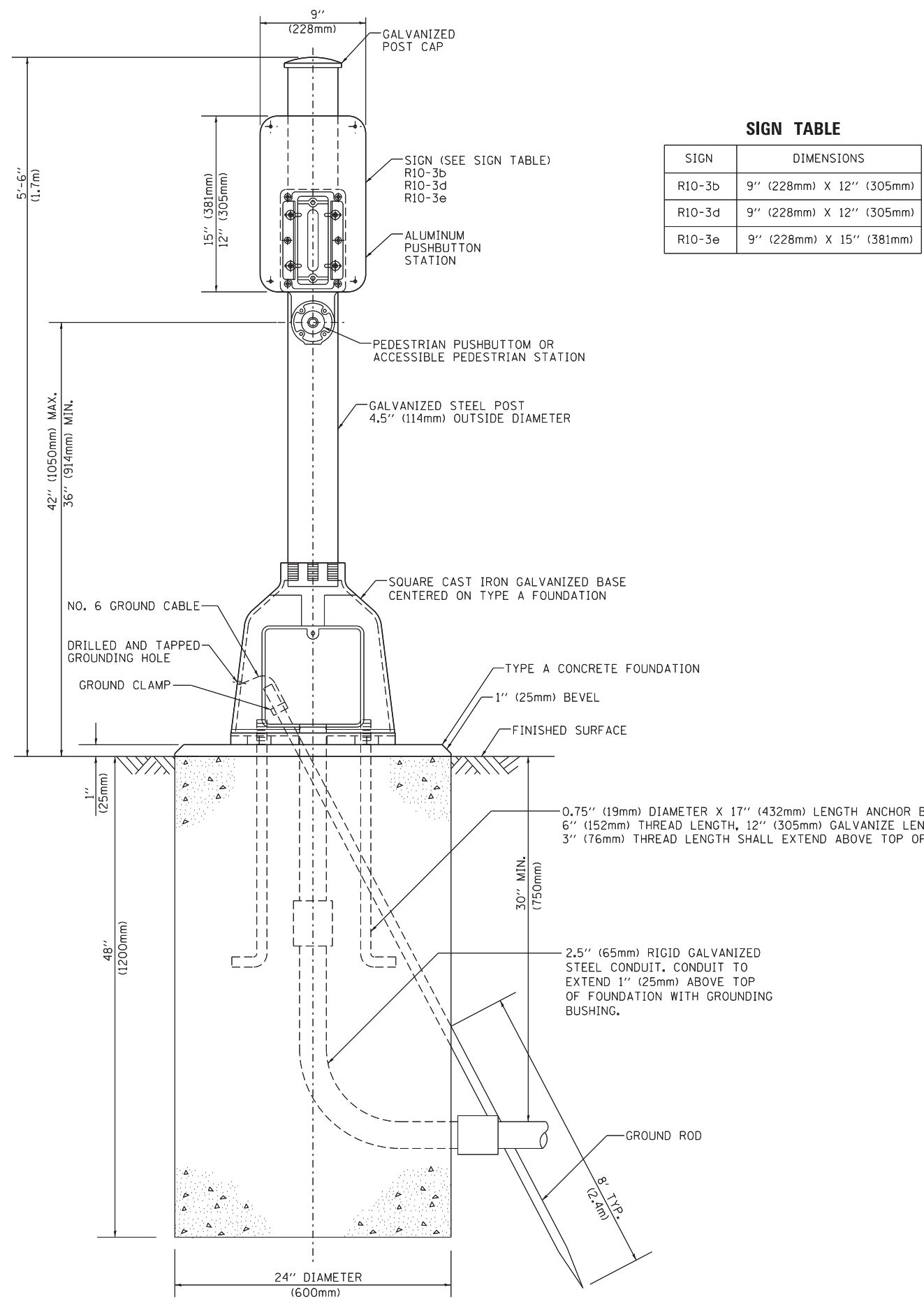
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

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

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

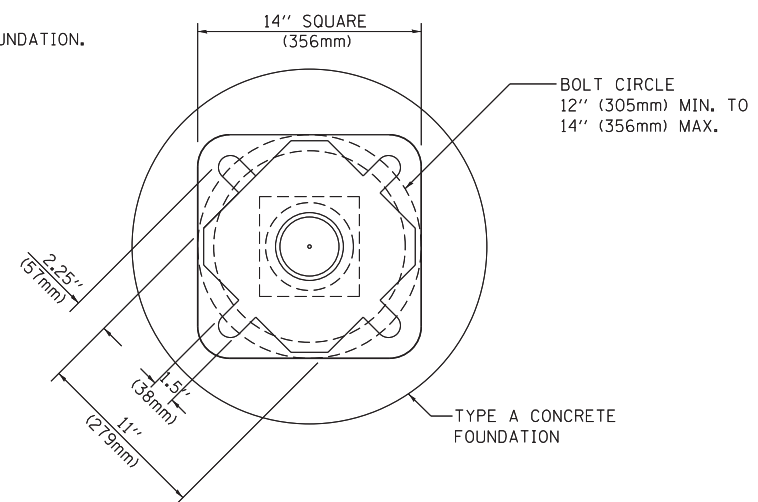
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	WILL	225	139
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60130	



**SIGN TABLE**

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



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

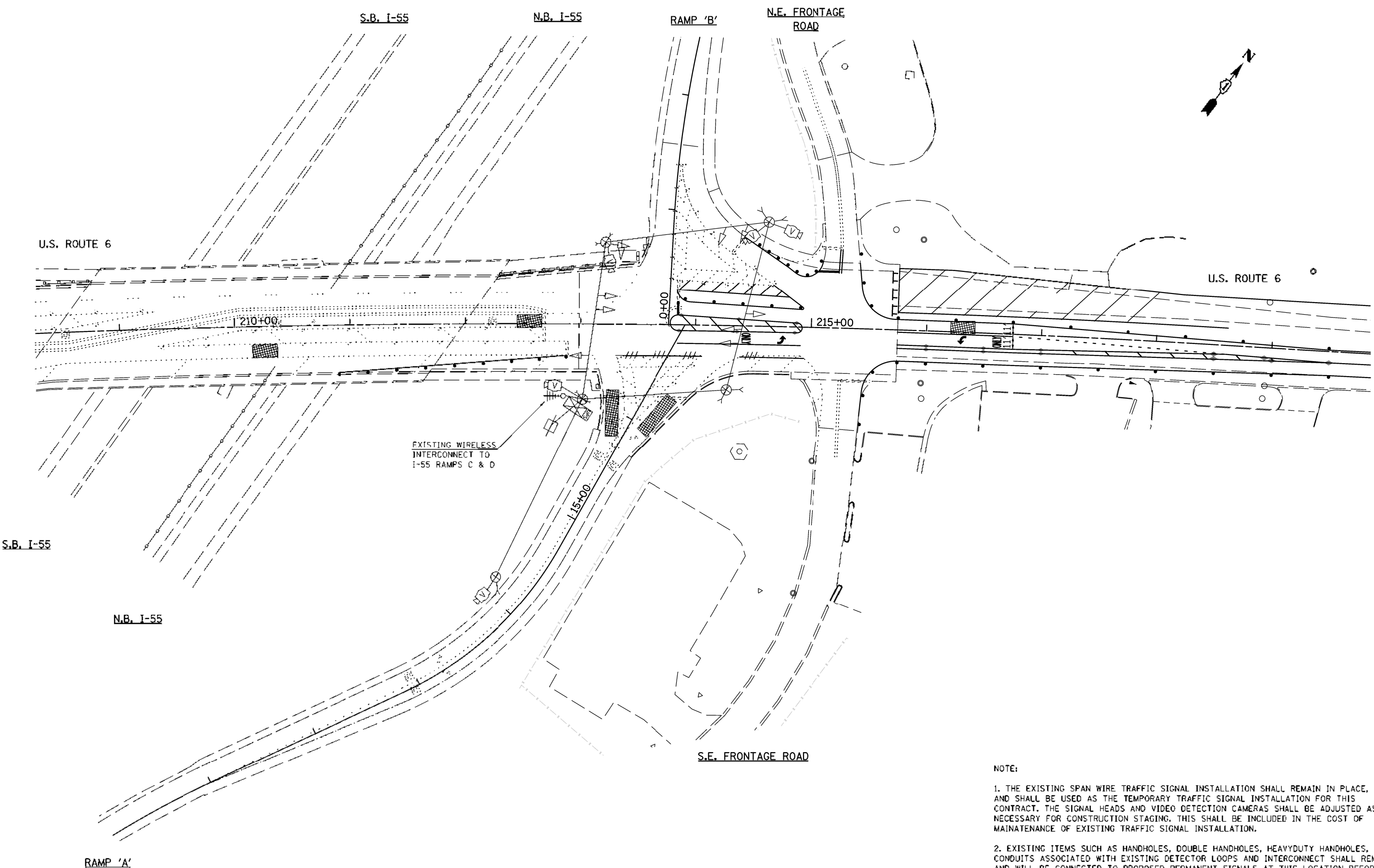
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PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	225	140
<b>TS-05</b>			CONTRACT NO. 60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTE:**

1. THE EXISTING SPAN WIRE TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN PLACE, AND SHALL BE USED AS THE TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR THIS CONTRACT. THE SIGNAL HEADS AND VIDEO DETECTION CAMERAS SHALL BE ADJUSTED AS NECESSARY FOR CONSTRUCTION STAGING. THIS SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.
2. EXISTING ITEMS SUCH AS HANDHOLES, DOUBLE HANDHOLES, HEAVYDUTY HANDHOLES, AND CONDUITS ASSOCIATED WITH EXISTING DETECTOR LOOPS AND INTERCONNECT SHALL REMAIN AND WILL BE CONNECTED TO PROPOSED PERMANENT SIGNALS AT THIS LOCATION BEFORE THE REMOVAL OF EXISTING SPAN WIRE SIGNALS, AS SPECIFIED ON TS SHT NO.13.

TS SHT NO. 8

**TS 12260**

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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fax: 312.277.8800  
web: www.spaan-tech.com

DESIGNER: MA	REVISED
DRAWN: CAD	REVISED
CHECKED: MA	REVISED
DATE: DECEMBER 2015	REVISED

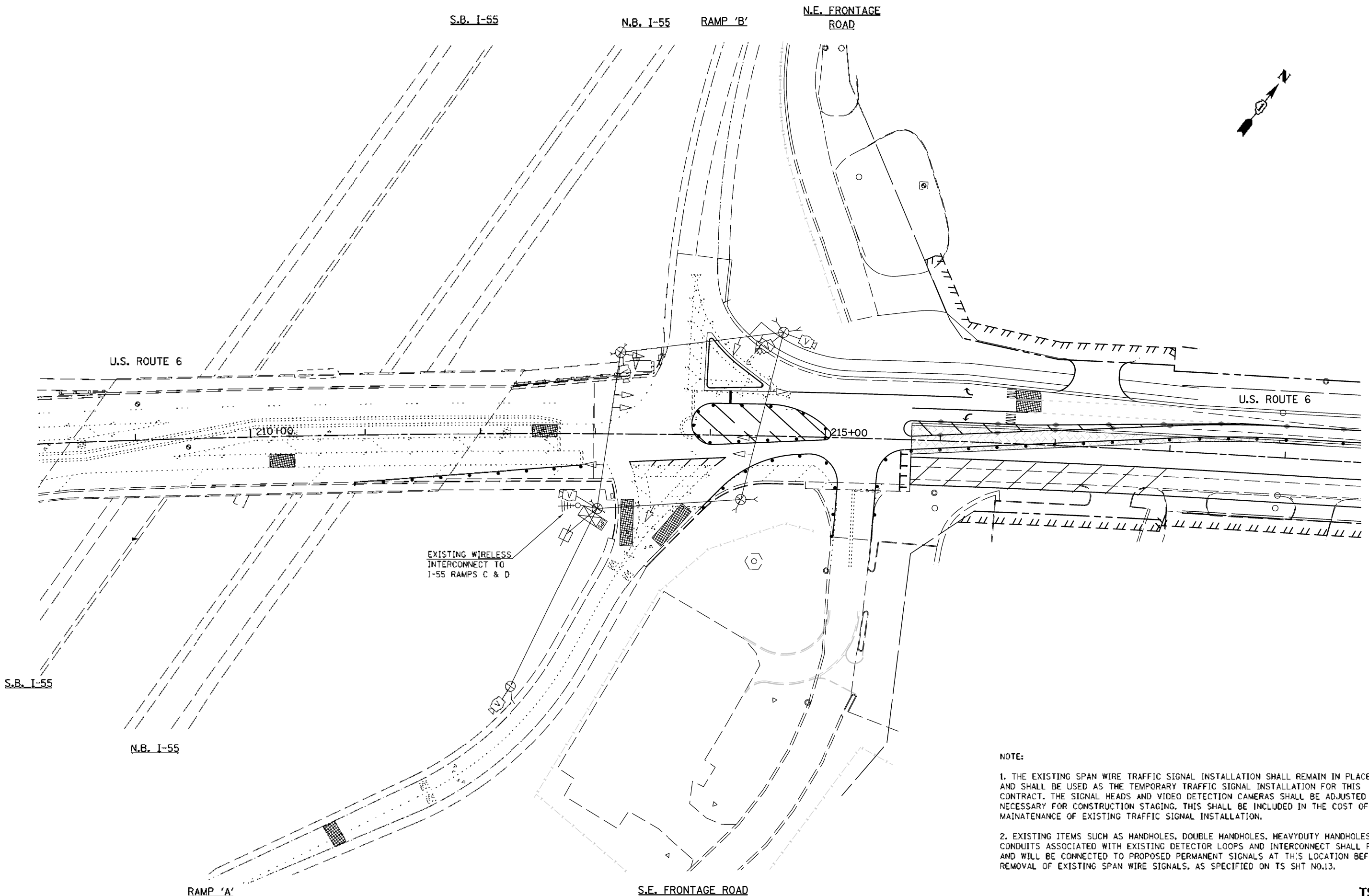
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TEMPORARY TRAFFIC SIGNAL  
US RTE 6 AT I-55 RAMPS A & B - STAGE I**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	93(1&2)AC-R-3	WILL	225	141
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

TS SHT NO.9



**NOTE:**

1. THE EXISTING SPAN WIRE TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN PLACE, AND SHALL BE USED AS THE TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR THIS CONTRACT. THE SIGNAL HEADS AND VIDEO DETECTION CAMERAS SHALL BE ADJUSTED AS NECESSARY FOR CONSTRUCTION STAGING. THIS SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.
2. EXISTING ITEMS SUCH AS HANDHOLES, DOUBLE HANDHOLES, HEAVYDUTY HANDHOLES, AND CONDUITS ASSOCIATED WITH EXISTING DETECTOR LOOPS AND INTERCONNECT SHALL REMAIN AND WILL BE CONNECTED TO PROPOSED PERMANENT SIGNALS AT TH'S LOCATION BEFORE THE REMOVAL OF EXISTING SPAN WIRE SIGNALS, AS SPECIFIED ON TS SHT NO.13.

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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DATE: DECEMBER 2015	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TEMPORARY TRAFFIC SIGNAL  
 US RTE 6 AT I-55 RAMPS A & B - STAGE II**

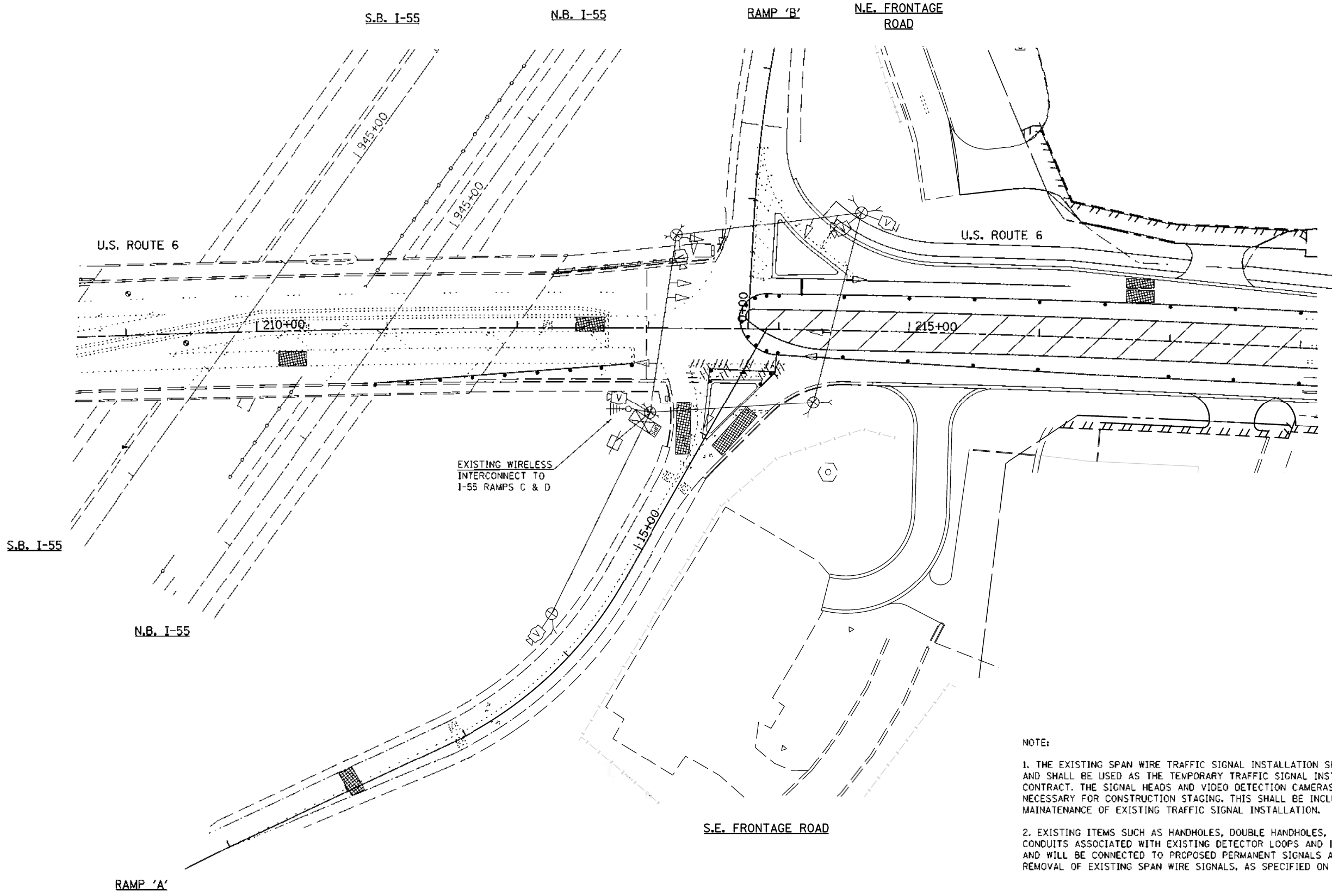
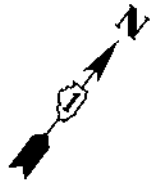
SCALE: 1"=40'

SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	142
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 12260**





**NOTE:**

1. THE EXISTING SPAN WIRE TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN PLACE, AND SHALL BE USED AS THE TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR THIS CONTRACT. THE SIGNAL HEADS AND VIDEO DETECTION CAMERAS SHALL BE ADJUSTED AS NECESSARY FOR CONSTRUCTION STAGING. THIS SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.
2. EXISTING ITEMS SUCH AS HANDHOLES, DOUBLE HANDHOLES, HEAVYDUTY HANDHOLES, AND CONDUITS ASSOCIATED WITH EXISTING DETECTOR LOOPS AND INTERCONNECT SHALL REMAIN AND WILL BE CONNECTED TO PROPOSED PERMANENT SIGNALS AT THIS LOCATION BEFORE THE REMOVAL OF EXISTING SPAN WIRE SIGNALS, AS SPECIFIED ON TS SHT NO.13.

TS SHT NO.10

**TS 12260**

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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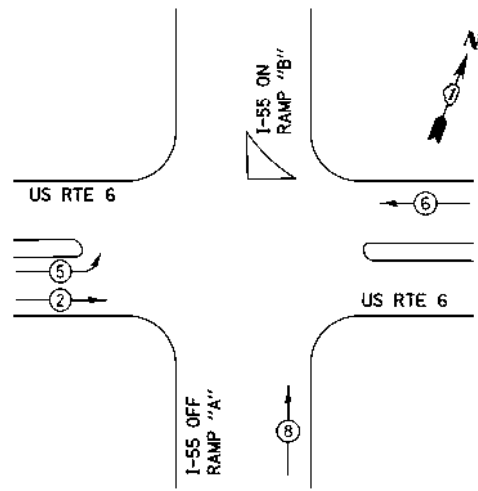
DESIGNED: MA	REVISED
DRAWN: CAD	REVISED
CHECKED: MA	REVISED
DATE: DECEMBER 2015	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TEMPORARY TRAFFIC SIGNAL  
US RTE 6 AT I-55 RAMPS A & B - STAGE III**  
SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.

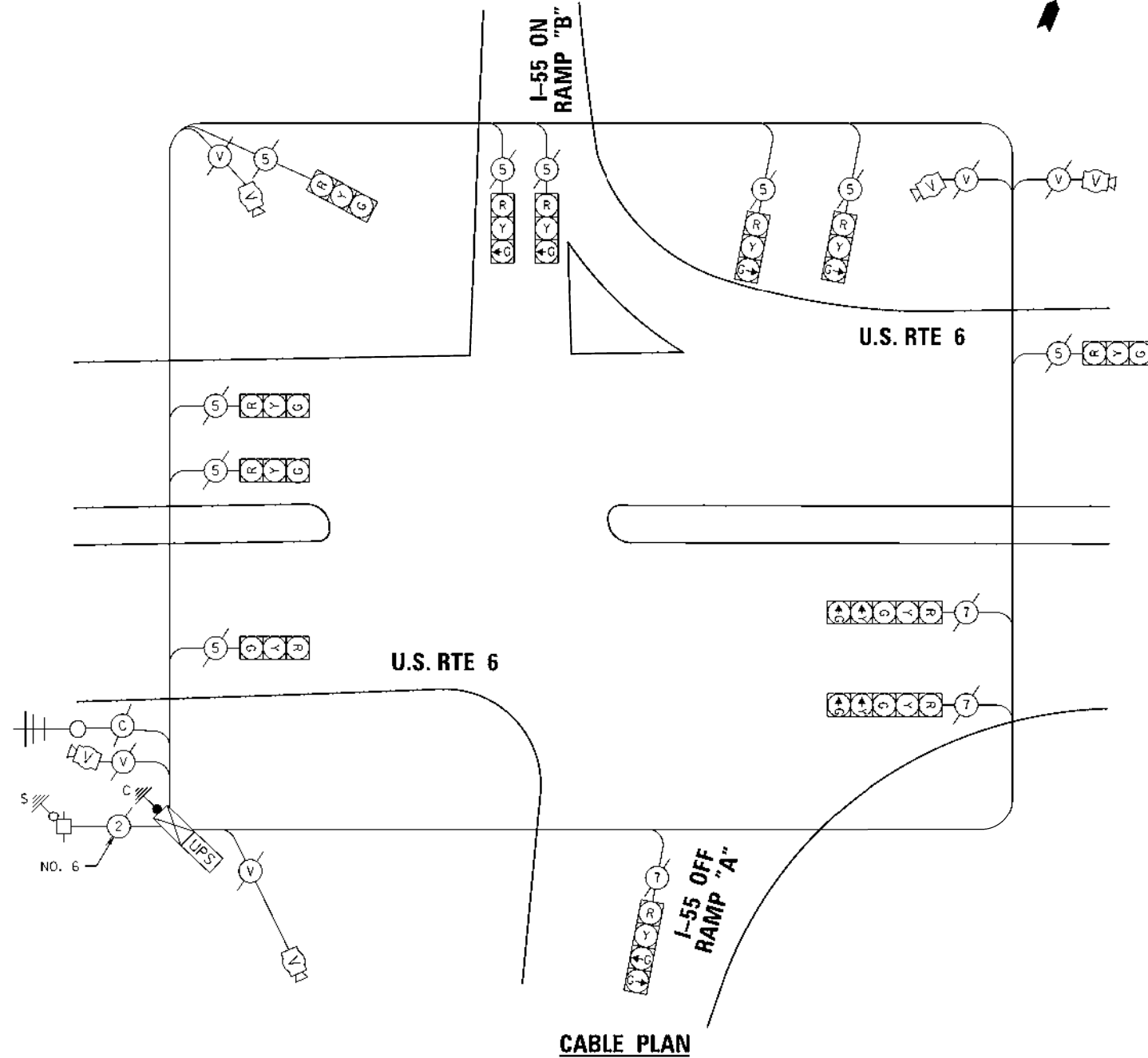
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	143
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

**TEMPORARY CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**

- LEGEND**
- DUAL ENTRY PHASE
  - SINGLE ENTRY PHASE
  - OVERLAP
  - PEDESTRIAN PHASE
  - \*** NUMBER REFERS TO ASSOCIATED PHASE



**FOR INFORMATION ONLY**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	13		15	0.25	48.75
ARROW	4		12	0.10	4.8
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1		150	1.00	150.00
UPS	1		25	1.00	25.0
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 505.55

VILLAGE OF CHANNAHON  
 24555 S. NAVAJO DRIVE  
 CHANNAHON, ILLINOIS 60410  
 ENERGY SUPPLY: CONTACT: MARK ANDERSON  
 PHONE: 815-724-5988  
 COMPANY: COMED

TS SHT NO.11

**CR** CHRISTIAN-ROGE & ASSOCIATES, INC.  
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 211 WEST WACKER DRIVE  
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DATE - DECEMBER 2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, AND PHASE DESIGNATION DIAGRAM  
 FOR EXISTING TEMPORARY TRAFFIC SIGNAL INSTALLATION  
 U.S. RTE 6 AND I-55 RAMPS "A" & "B"**

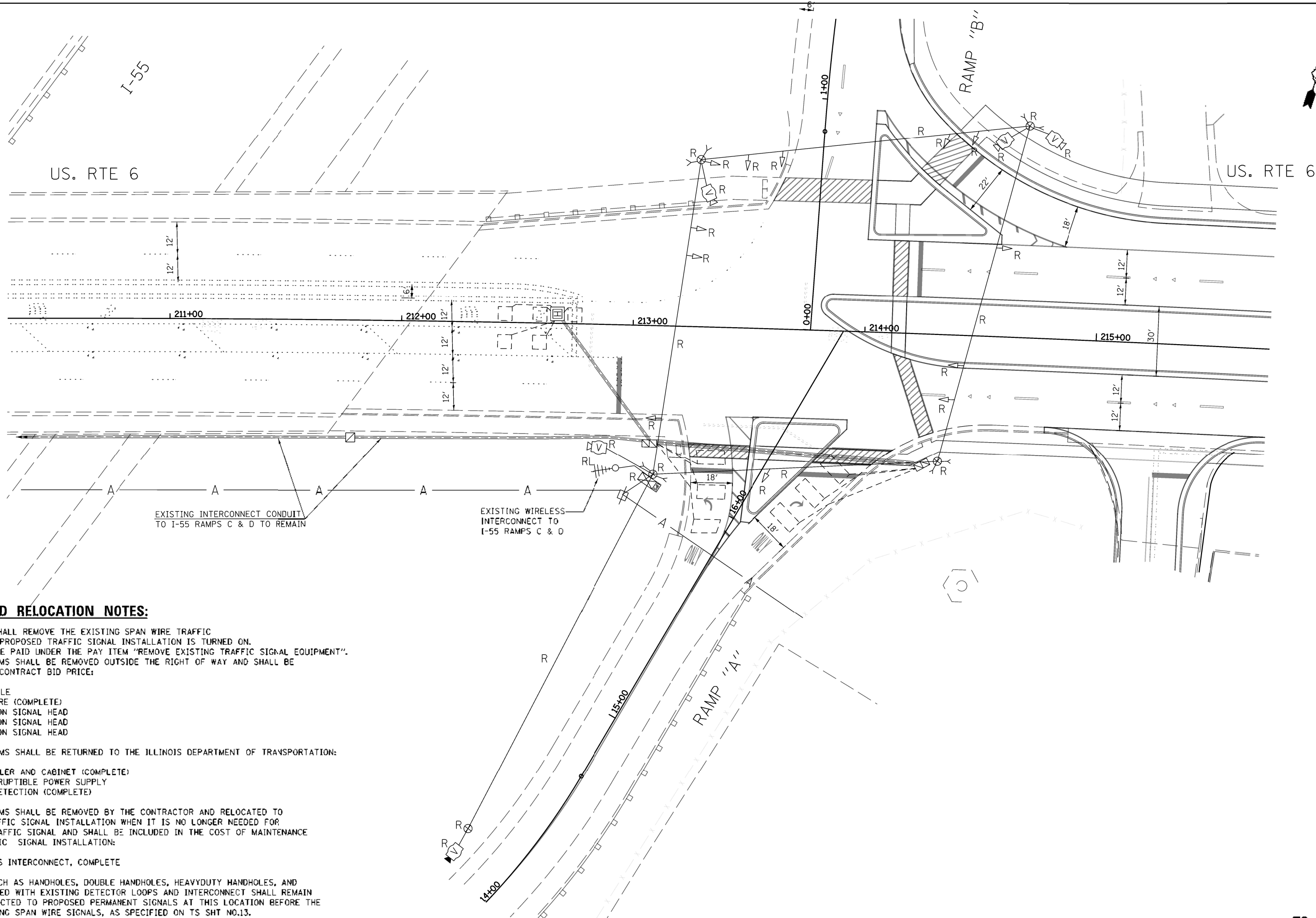
SCALE: N.T.S. SHEET NO. OF SHEETS STA. - TO STA. -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	9901&21AC-R-3	WILL	225	144
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

**TS 12260**





**REMOVAL AND RELOCATION NOTES:**

THE CONTRACTOR SHALL REMOVE THE EXISTING SPAN WIRE TRAFFIC SIGNAL AFTER THE PROPOSED TRAFFIC SIGNAL INSTALLATION IS TURNED ON. THIS WORK SHALL BE PAID UNDER THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT". THE FOLLOWING ITEMS SHALL BE REMOVED OUTSIDE THE RIGHT OF WAY AND SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 5 EACH WOOD POLE
- 1 EACH SPAN WIRE (COMPLETE)
- 9 EACH 3-SECTION SIGNAL HEAD
- 1 EACH 4-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION:

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY
- 1 EACH VIDEO DETECTION (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION WHEN IT IS NO LONGER NEEDED FOR THE TEMPORARY TRAFFIC SIGNAL AND SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION:

- 1 EACH WIRELESS INTERCONNECT, COMPLETE

EXISTING ITEMS SUCH AS HANDHOLES, DOUBLE HANDHOLES, HEAVY DUTY HANDHOLES, AND CONDUITS ASSOCIATED WITH EXISTING DETECTOR LOOPS AND INTERCONNECT SHALL REMAIN AND WILL BE CONNECTED TO PROPOSED PERMANENT SIGNALS AT THIS LOCATION BEFORE THE REMOVAL OF EXISTING SPAN WIRE SIGNALS, AS SPECIFIED ON TS SHT NO.13.

EXISTING INTERCONNECT CONDUIT TO I-55 RAMPS C & D TO REMAIN

EXISTING WIRELESS INTERCONNECT TO I-55 RAMPS C & D

TS SHT NO.12

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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DATE - DECEMBER 2015	REVISED -

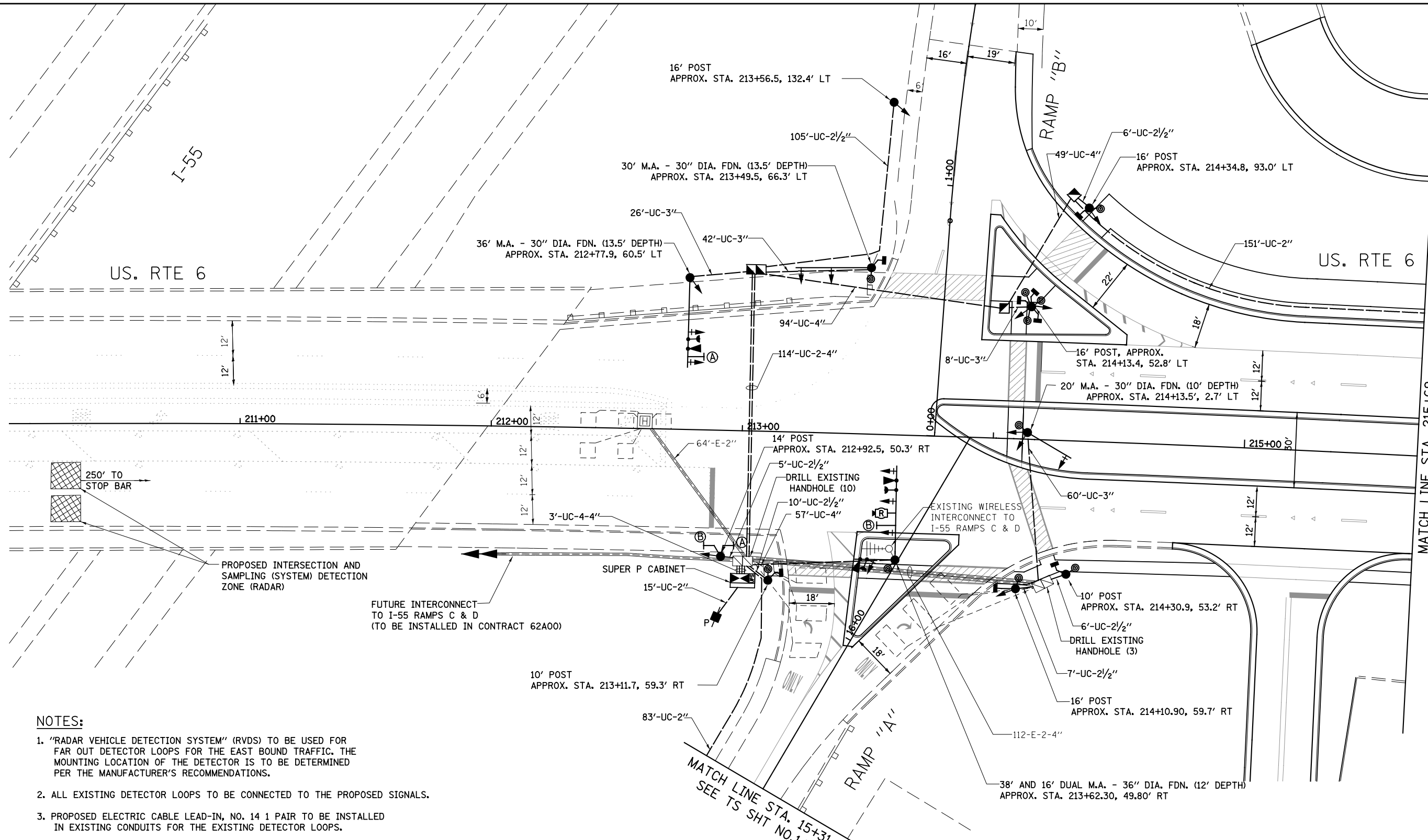
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING SPAN WIRE REMOVAL PLAN  
U.S. RTE 6 AT I-55 AT RAMPS 'A' & 'B'**

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

F.A.I. RTE. 55		SECTION 99H1&21AC-R-3	COUNTY WILL	TOTAL SHEETS	
				225	145
CONTRACT NO. 60130				TS 12260	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

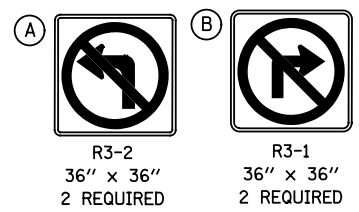
TS SHT NO.13



**NOTES:**

- "RADAR VEHICLE DETECTION SYSTEM" (RVDS) TO BE USED FOR FAR OUT DETECTOR LOOPS FOR THE EAST BOUND TRAFFIC. THE MOUNTING LOCATION OF THE DETECTOR IS TO BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
- ALL EXISTING DETECTOR LOOPS TO BE CONNECTED TO THE PROPOSED SIGNALS.
- PROPOSED ELECTRIC CABLE LEAD-IN, NO. 14 1 PAIR TO BE INSTALLED IN EXISTING CONDUITS FOR THE EXISTING DETECTOR LOOPS.
- THE EXISTING WIRELESS INTERCONNECT SHALL BE RELOCATED TO THE PROPOSED TRAFFIC SIGNAL WHEN IT IS NO LONGER NEEDED FOR THE TEMPORARY TRAFFIC SIGNAL. THIS WORK SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.

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



SIGN PANEL, TYPE 1

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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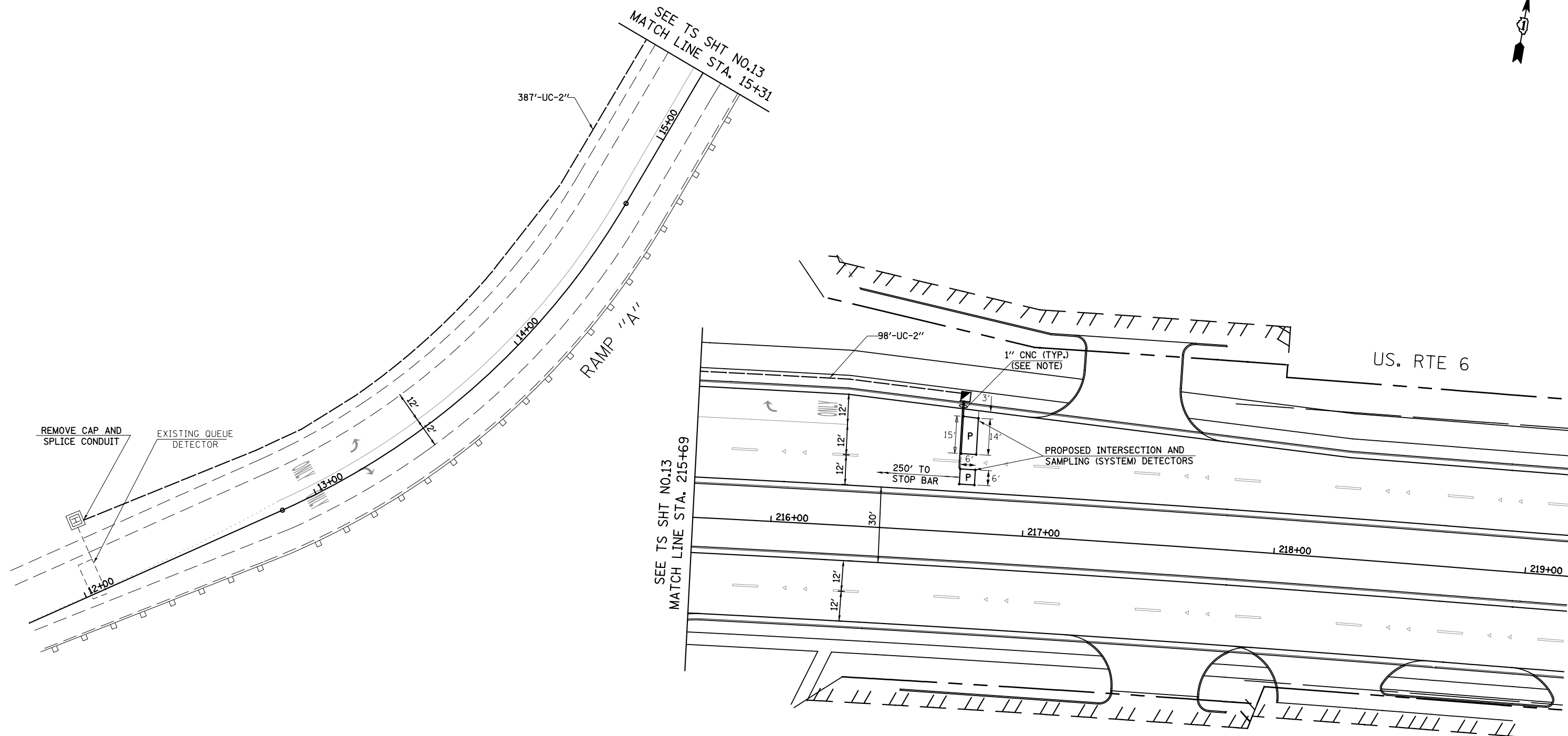
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)**  
**U.S. RTE 6 AT I-55 AT RAMPS 'A' & 'B'**

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 99(1&2)AC-R-3	COUNTY WILL	TOTAL SHEETS 225	SHEET NO. 146
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS 12260



REMOVE CAP AND SPLICE CONDUIT  
EXISTING QUEUE DETECTOR

NOTE: EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS

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

TS SHT NO.14

 <p><b>CHRISTIAN-ROGE &amp; ASSOCIATES, INC.</b> ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274</p>	 <p><b>SPAAN Tech, Inc.</b> 311 South Wacker Drive, Suite 2400 Chicago, IL 60606 phone: 312.277.8803 fax: 312.277.8800 web: www.spaanTech.com</p>
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DATE - DECEMBER 2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)  
U.S. RTE 6 AT I-55 AT RAMPS 'A' & 'B'**

SCALE: 1" = 20'    SHEET NO. 2 OF 2 SHEETS    STA.    TO STA.

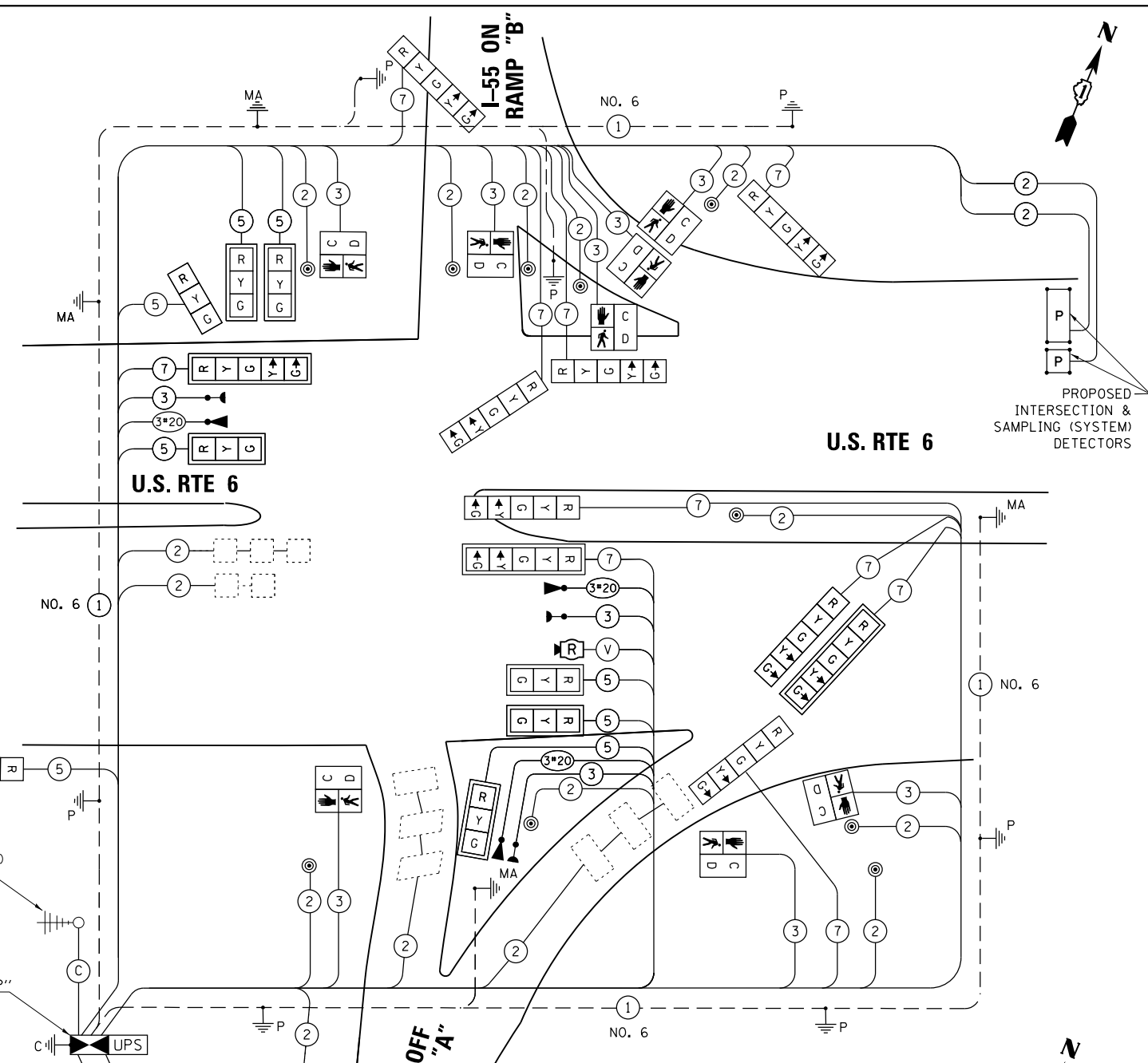
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	147
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 12260**



**NOTE:**

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



EXISTING WIRELESS INTERCONNECT TO I-55 RAMPS C & D (RELOCATED FROM TEMPORARY SPAN WIRE SIGNALS AT THIS LOCATION)

SUPER "P" CABINET  
C UPS

EXISTING QUEUE DETECTOR

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	18		11	0.50	99
(YELLOW)	18		20	0.25	90
(GREEN)	18		12	0.25	54
ARROW	20		10	0.10	20
PED. SIGNAL	8		20	1.00	160
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
RADAR SYSTEM	1		150	1.00	150
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 698

TS SHT NO.15

VILLAGE OF CHANNAHON  
24555 S. NAVAJO DRIVE  
CHANNAHON, ILLINOIS 60410  
ENERGY SUPPLY: CONTACT: MARK ANDERSON  
PHONE: 815-724-5988  
COMPANY: COMED

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
211 WEST WACKER DRIVE  
CHICAGO, ILLINOIS 60606  
PHONE: (312)372-2023 FAX: (312)372-5274

**SPAAN Tech, Inc.**  
311 South Wacker Drive, Suite 2400  
Chicago, IL 60606  
phone: 312.277.8800 fax: 312.277.8808 web: www.spaan-tech.com

DESIGNED - M.A.	REVISED -
DRAWN - CADD	REVISED -
CHECKED - M.A.	REVISED -
DATE - DECEMBER 2015	REVISED -

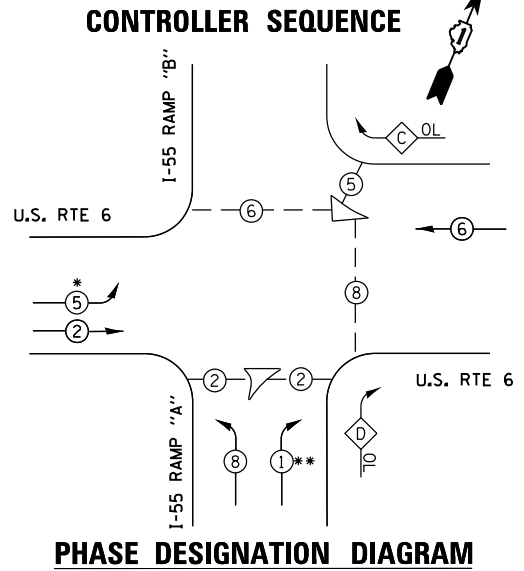
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
U.S. RTE 6 AND I-55 RAMPS A & B  
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ FT	36
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	734
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	137
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	136
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	440
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCIVER - HBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,760
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,230
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,330
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,387
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,990
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	45
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,040
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 16 FT. AND 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	12
DRILL EXISTING HANDHOLE	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	7
PERFORMED DETECTOR LOOP	FOOT	92
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	9
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	487
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE P SUPER CABINET (SPECIAL)	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, FAR BACK	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO THE VILLAGE OF CHANNAHON



**RIGHT TURN OVERLAP PHASE DESIGNATION**

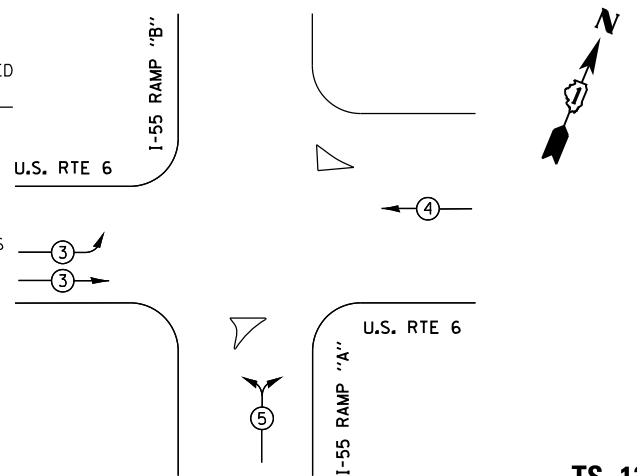
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6 + 8	
D	= 8 + 1	

\* Phase 5 is a leading left turn  
\*\*Phase 1 is lagging right turn and only comes up with phase 6

**LEGEND**

- ⊛ DUAL ENTRY PHASE
- ⊠ SINGLE ENTRY PHASE
- ⊞ OL OVERLAP
- ⊙ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

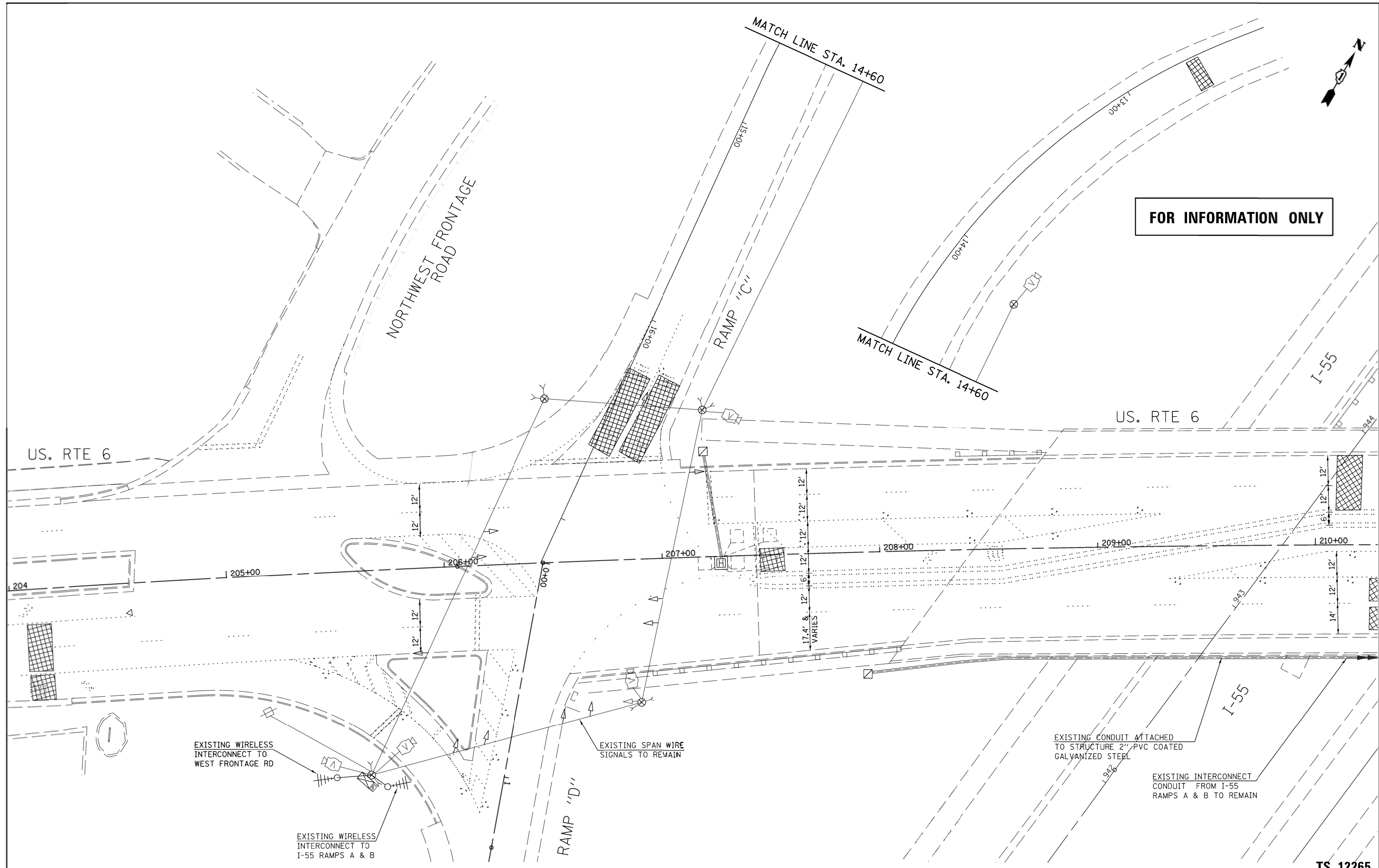


TS 12260

F.A.I. RTE. 55	SECTION 99(1&2)AC-R-3	COUNTY WILL	TOTAL SHEETS 225	SHEET NO. 148
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60130	



**FOR INFORMATION ONLY**



TS SHT NO.16

TS 12265

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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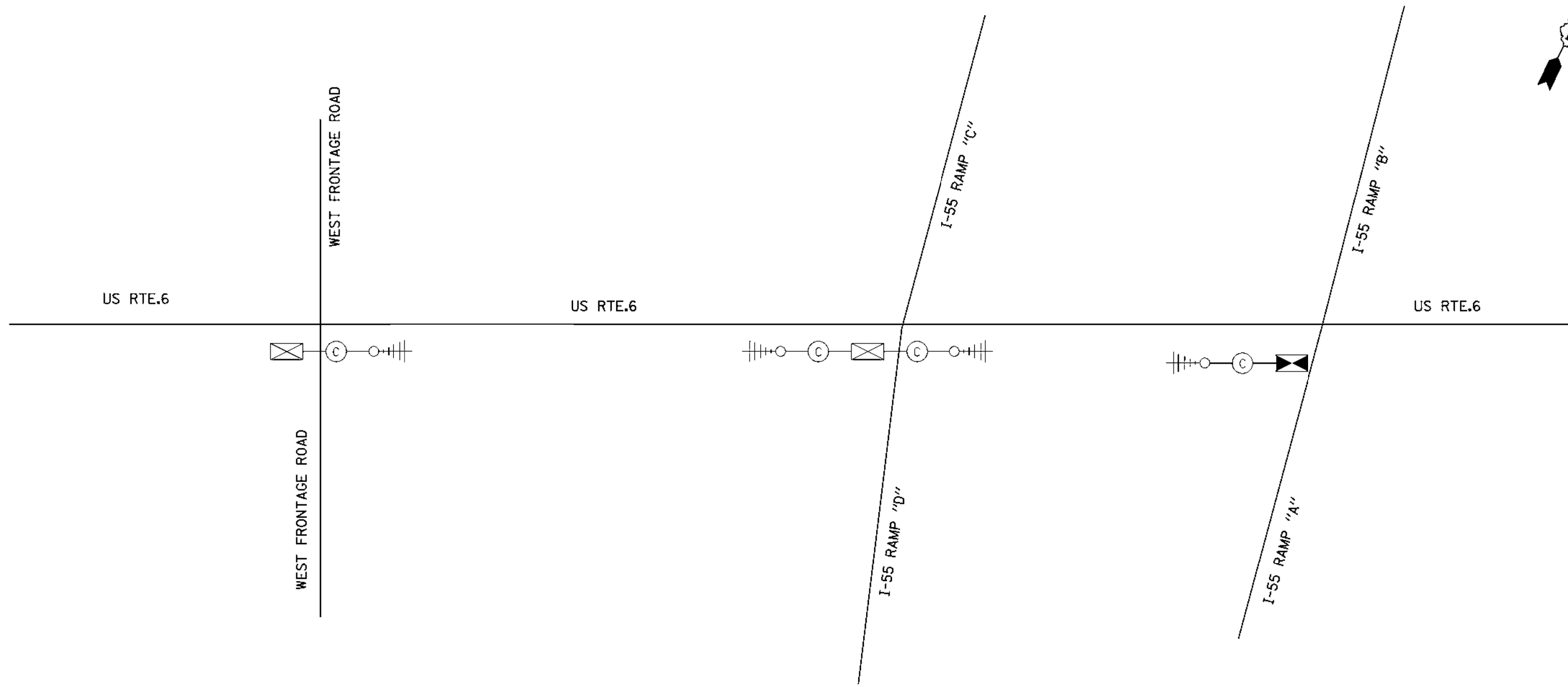
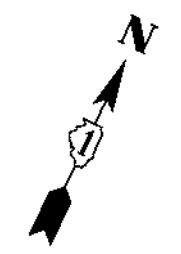
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TEMPORARY SPAN WIRE SIGNAL INSTALLATION  
U.S. RTE 6 AT I-55 AT RAMPS 'C' & 'D'**  
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99H1&2IAC-R-3	WILL	225	149
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTE:**

THE EXISTING WIRELESS INTERCONNECT AT RAMP "A" SHOWN INSTALLED AT THE PERMANENT TRAFFIC SIGNAL CONTROLLER WAS RELOCATED FROM THE TEMPORARY SPAN WIRE TRAFFIC SIGNALS AT THE SAME LOCATION, THIS WORK SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.

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

TS SHT NO.17

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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DATE - DECEMBER 2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC PLAN  
 US 6 AND I-55 (RAMPS A,B,C,D)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	9901&21AC-R-3	WILL	225	150
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

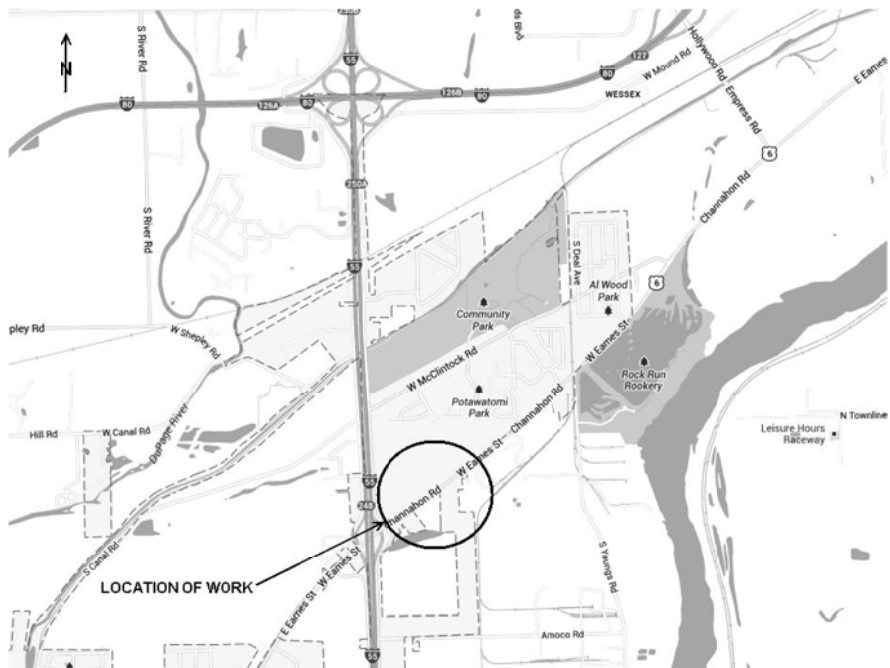


**LIGHTING DRAWING LIST:**

SHEET NO.	TITLE
LT-01	SHEET INDEX
LT-02	GENERAL NOTES, LEGEND AND ABBREVIATIONS
LT-03	PROPOSED LIGHTING PLAN, SHEET A
LT-04	PROPOSED LIGHTING PLAN, SHEET B
LT-05	PROPOSED LIGHTING PLAN, SHEET C
LT-06	IDOT PARKING LOT LIGHT POLE RELOCATION
LT-07	SINGLE LINE WIRING DIAGRAM

**IDOT DISTRICT 1 STANDARD DETAILS:**

SHEET NO.	IDOT STD. DETAIL NO.	TITLE
LT-08	BE-215	LIGHTING CONTROLLER, SINGLE DOOR
LT-09	BE-220	ELECTRIC SERVICE INSTALLATION, AERIAL, REMOTE DISCONNECT
LT-10	BE-300	LIGHT POLE FOUNDATION, 30' TO 35' M.H., 11.5" BOLT CIRCLE
LT-11	BE-301	LIGHT POLE FOUNDATION, 40' TO 47.5' M.H., 15" BOLT CIRCLE
LT-12	BE-402	ALUMINUM LIGHT POLE, 35'-0" MOUNTING HEIGHT
LT-13	BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
LT-14	BE-702	MISC. ELECTRICAL DETAILS, SHEET A



**BILL OF MATERIAL**

DESCRIPTION	UNIT	VILLAGE QUANTITY	IDOT QUANTITY	TOTAL QUANTITY
REMOVAL OF UNDERGROUND CABLE	FOOT		900	900
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	30	1	31
MAINTENANCE OF LIGHTING SYSTEM	CAL MO		1	1
LOCATING UNDERGROUND CABLE	FOOT	2000		2,000
ELECTRIC SERVICE INSTALLATION	EACH	1		1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	540		540
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	6,000	150	6,150
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	410		410
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	30		30
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1		1
LIGHT POLE, ALUMINUM, 35 FT. M.H., 6 FT. MAST ARM	EACH	30		30
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	270	10	280
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	30		30
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH		1.0	1.0
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH		1	1
REMOVAL OF POLE FOUNDATION	EACH		2	2
RELOCATE EXISTING LIGHTING UNIT	EACH		1	1

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		NO.			

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		NO.			

LT-01

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SURVEYED	
PLOTTED	
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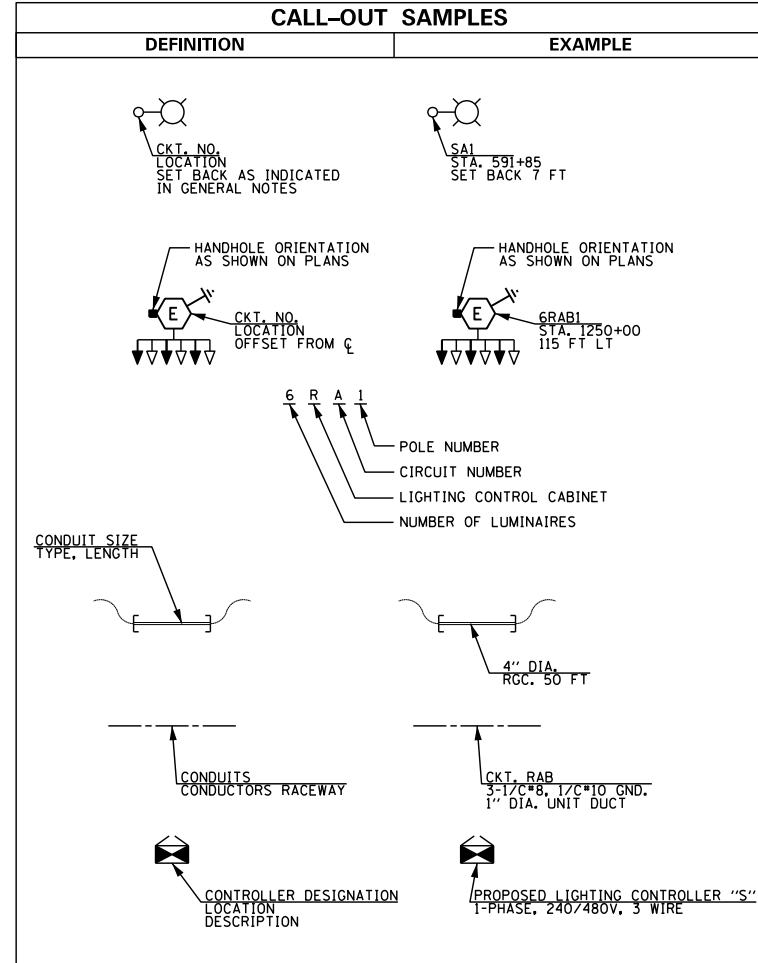
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NOTE BOOK	
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NO.	

PLOT DATE = 1/5/2016  
 FILE NAME = LT-02\_GenNotesLegend & Abbreviations.dgn

**IDOT LIGHTING LEGEND:**

- PROPOSED LIGHTING UNIT (CHANNAHON) 35' M.H., 15' M.A., 240V (LINE - NEUTRAL) 250W HPS M-C-III LUMINAIRE WITH 9" HIGH TRANSFORMER BASE, UNO
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT TO BE REMOVED
- PROPOSED UNIT DUCT 1/2" DIA. POLYETHYLENE, 3-1/C#2, 1/C#4 GROUND (XLP-TYPE USE)
- EXISTING UNIT DUCT IN TRENCH TO REMAIN
- EXISTING UNIT DUCT IN TRENCH TO BE REMOVED
- PROPOSED UNDERGROUND 4" RGSC WITH UNIT DUCT, 1/2" DIA. POLYETHYLENE WITH 3-1/C #2, 1/C #4 GROUND, (XLP-TYPE USE)
- PROPOSED RGSC IN TRENCH, SIZE AND CONDUCTORS AS NOTED ON PLANS
- PROPOSED LIGHTING CONTROLLER CABINET, BASE MOUNTED, 240/480V, 1-PH
- PROPOSED GROUND ROD, COPPER-CLAD STEEL, 3/8" DIA. X 10' LONG, UNO
- PROPOSED ELECTRIC UTILITY POLE
- IDOT IDOT LIGHTING UNIT TO BE RELOCATED
- IDOT RELOCATED IDOT LIGHTING UNIT
- IDOT IDOT LIGHTING UNIT TO BE REMOVED
- EXISTING IDOT LIGHTING TOWER

**CALL-OUT SAMPLES**



**ABBREVIATIONS:**

- A AMPERS
- AC ALTERNATING CURRENT
- ADA AMERICANS WITH DISABILITIES ACT
- C CONDUIT
- CKT CIRCUIT
- COMED COMMONWEALTH EDISON
- DCO DUPLEX CONVENIENCE OUTLET
- DIA DIAMETER
- E EXISTING LIGHTING UNIT TO REMAIN
- EPR ETHYLENE PROPOLYENE RUBBER
- FT FEET
- GND GROUND
- HPS HIGH PRESSURE SODIUM
- IDOT ILLINOIS DEPARTMENT OF TRANSPORTATION
- IN INCHES
- LT LEFT
- MA MAST ARM
- MH MOUNTING HEIGHT
- MTW MACHINE TOOL WIRE
- P PROPOSED
- PC PHOTOCELL CONTROL
- PH PHASE
- PVC POLYVINYL CHLORIDE
- (R) EXISTING LIGHTING UNIT TO BE RELOCATED
- R EXISTING LIGHTING UNIT TO BE REMOVED
- RGSC RIGID GALVANIZED STEEL CONDUIT
- RT RIGHT
- SB SET BACK
- STA STATION
- T TEMPORARY
- TYP TYPICAL
- UD UNIT DUCT
- UNO UNLESS NOTED OTHERWISE
- V VOLTS
- W WATTS
- WI WIRES
- XLP CROSS-LINKED POLYETHYLENE

**GENERAL NOTES:**

1. ALL POLES SHALL BE SET BACK 4' FROM FACE OF CURB TO CENTER OF POLE OR 13' FROM EDGE OF TRAVELED ROADWAY TO CENTER OF POLE WHERE THERE IS NO CURB, U.N.O.
2. SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
3. ALL WORK SHALL CONFORM TO THE LATEST IDOT AND IDOT DISTRICT 1 STANDARDS, SPECIFICATIONS, SUPPLEMENTAL SPECIFICATION, SPECIAL PROVISIONS, NATIONAL ELECTRICAL CODE, AND NATIONAL ELECTRICAL SAFETY CODE.
4. BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE STARTING WORK.
5. THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS WORK CONSIDERING LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
6. ALL NEW UNIT DUCTS AND UNDERGROUND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE), UNLESS NOTED OTHERWISE.
7. FOR THE PARKING LOT LIGHTING, THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER FROM THE IDOT BEFORE WORK BEGINS. CONTACT IDOT EMC, PHONE (708) 524-2145.
8. AFTER PROPOSED LIGHTING IS IN OPERATION, CONTRACTOR SHALL COORDINATE THE REMOVAL OF COMED'S EXISTING INTERSECTION BEACON LIGHTS ALONG U.S. RTE. 6 WITHIN THE PROJECT LIMITS.
9. IN ADDITION TO CONTACTING JULIE FOR LOCATIONS OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL REQUEST IDOT DISTRICT 1 TO HAVE IDOT'S UNDERGROUND FACILITIES THAT MAY CONFLICT WITH THIS PROJECT LOCATED. IDOT'S FACILITIES ARE NOT INCLUDED IN THE JULIE SYSTEM. CONTACT IDOT EMC, PHONE (708) 524-2145.
10. REMOVAL OF UNIT DUCT SHALL CONSIST OF REMOVING ALL CONDUCTORS FROM THE UNIT DUCT AND ABANDONING THE REMAINING RACEWAY IN PLACE.

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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 IDFPF LICENSE NO. 184.002673 web: www.SpaanTech.com

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CHECKED - IB	REVISED -
DATE - FEBRUARY 4, 2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

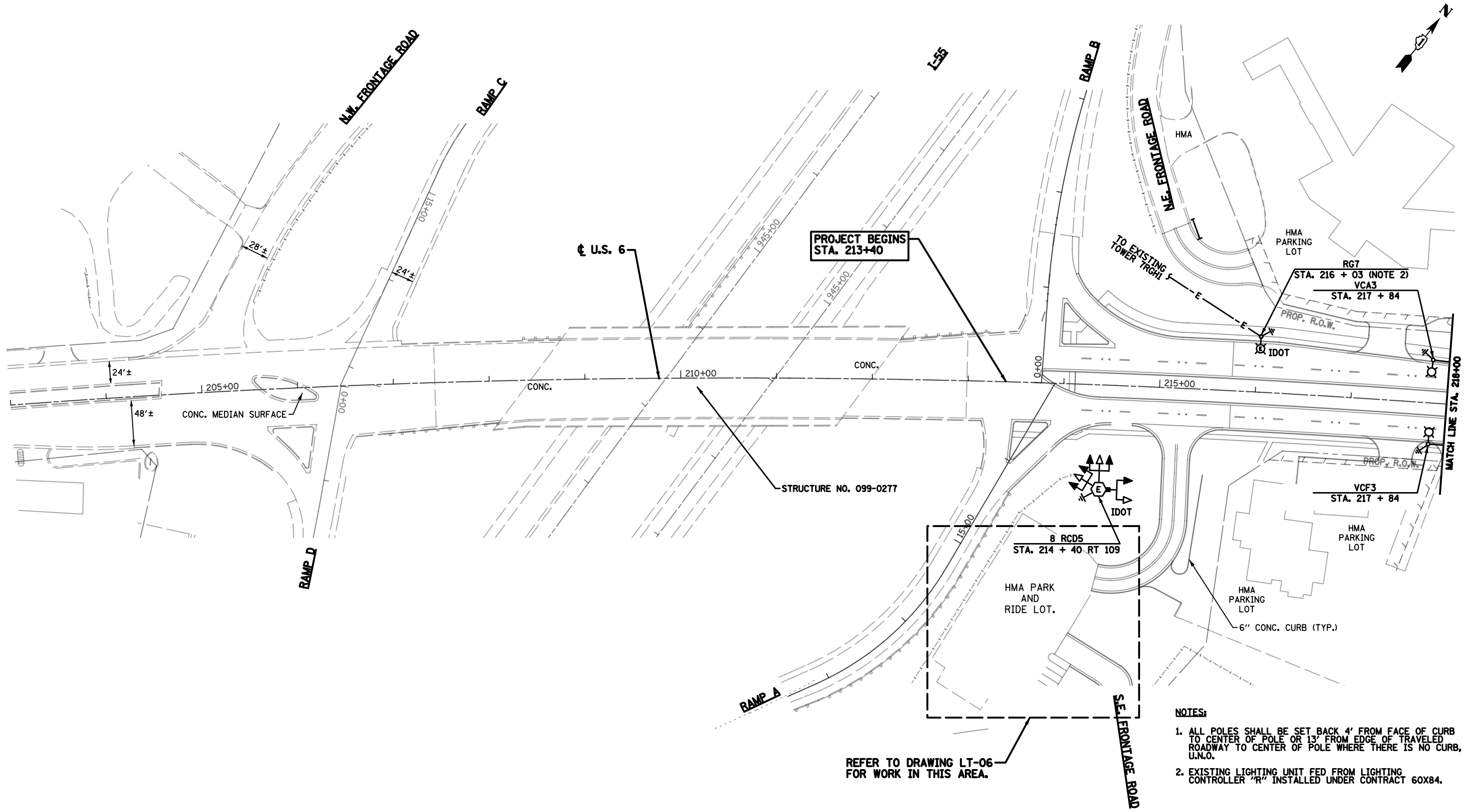
**GENERAL NOTES, LEGEND AND ABBREVIATIONS  
 U.S. 6 EAST OF I-55**

SCALE NONE SHEET NO. 2 OF XX SHEETS STA. XXX+XX TO STA. XXX+XX

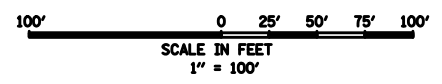
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	152	225
CONTRACT NO. 60130			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	

DATE	
BY	
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PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	



- NOTES:**
1. ALL POLES SHALL BE SET BACK 4' FROM FACE OF CURB TO CENTER OF POLE OR 13' FROM EDGE OF TRAVELED ROADWAY TO CENTER OF POLE WHERE THERE IS NO CURB, U.N.O.
  2. EXISTING LIGHTING UNIT FED FROM LIGHTING CONTROLLER "R" INSTALLED UNDER CONTRACT 60X84.



LT-03

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 211 WEST WACKER DRIVE  
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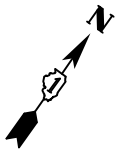
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN, SHEET A  
 U.S. 6 EAST OF I-55**

SCALE 1"=100' SHEET NO. 3 OF XX SHEETS STA. 203+00 TO STA. 218+00

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	153	225
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





DATE	
BY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
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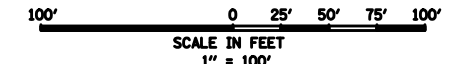
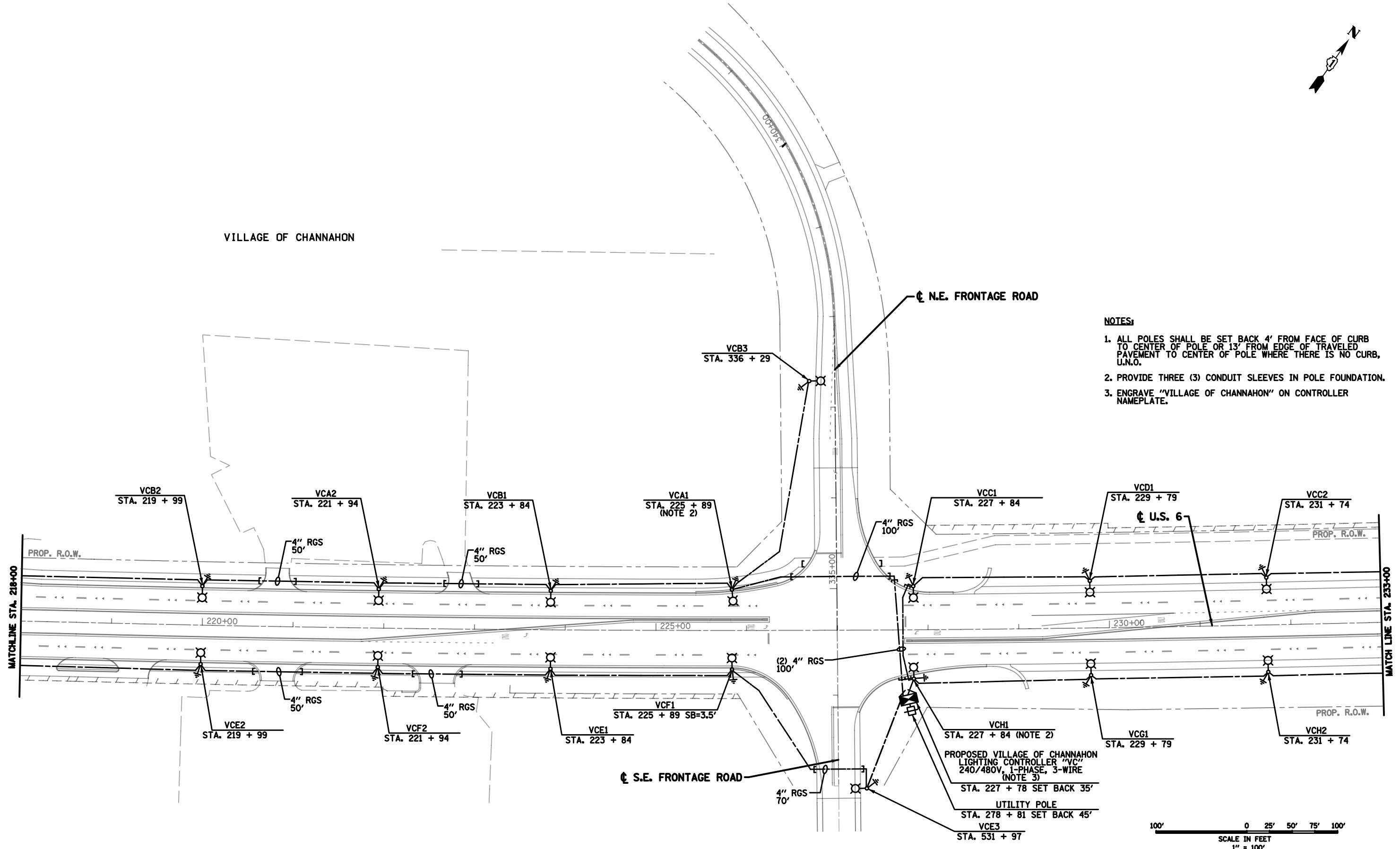
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BY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

VILLAGE OF CHANNAHON

☐ N.E. FRONTAGE ROAD

**NOTES:**

1. ALL POLES SHALL BE SET BACK 4' FROM FACE OF CURB TO CENTER OF POLE OR 13' FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF POLE WHERE THERE IS NO CURB, U.N.O.
2. PROVIDE THREE (3) CONDUIT SLEEVES IN POLE FOUNDATION.
3. ENGRAVE "VILLAGE OF CHANNAHON" ON CONTROLLER NAMEPLATE.



LT-04

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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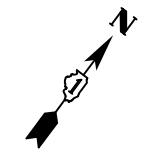
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DRAWN - RC	REVISED -
CHECKED - IB	REVISED -
DATE - FEBRUARY 4, 2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN, SHEET B  
 U.S. 6 EAST OF I-55  
 SCALE 1"=100' SHEET NO. 4 OF XX SHEETS STA. 218+00 TO STA. 233+00

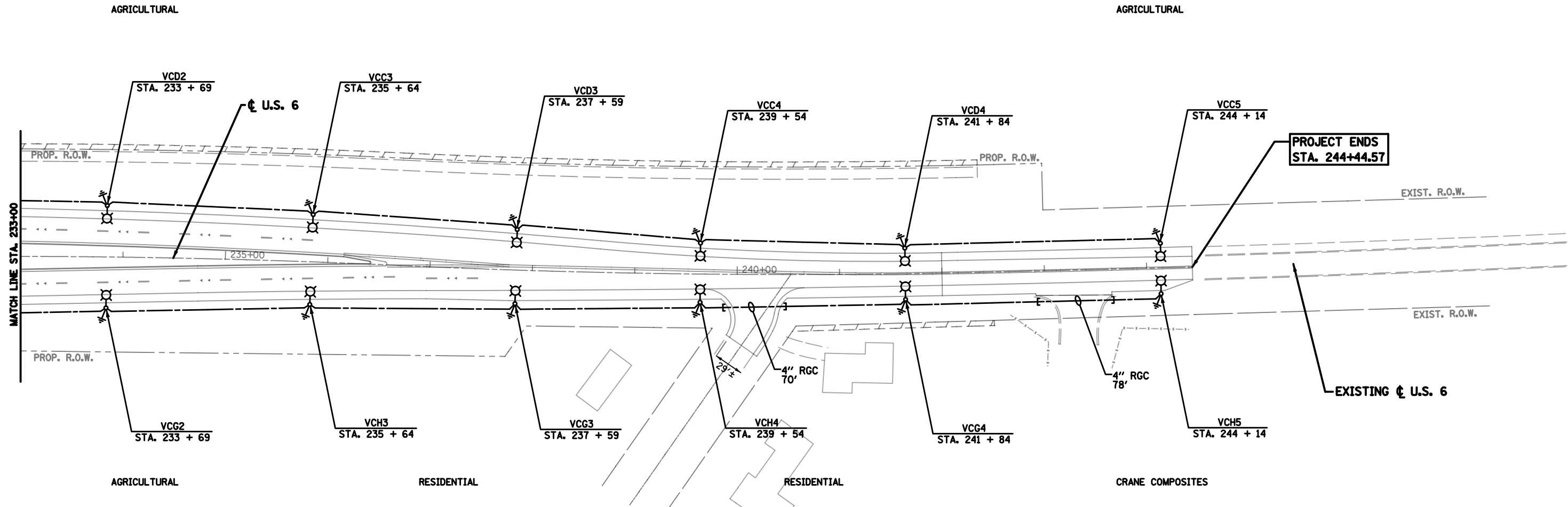
F.A.T. RTE. 55	SECTION 99(1&2)AC-R-3	COUNTY WILL	TOTAL SHEETS 154	SHEET NO. 225
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VILLAGE OF CHANNAHON

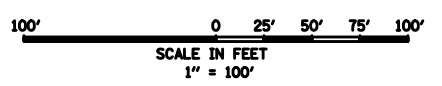


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AREAS CHECKED	

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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



**NOTE:**  
 1. ALL PROPOSED POLES SHALL BE SET BACK 4' FROM FACE OF CURB TO CENTER OF POLE OR 13' FROM EDGE OF TRAVELED ROADWAY TO CENTER OF POLE WHERE THERE IS NO CURB, U.N.O.



LT-05

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 211 WEST WACKER DRIVE  
 CHICAGO, ILLINOIS 60606  
 PHONE: (312)372-2023 FAX: (312)372-5274

**SPAAN Tech, Inc.**  
 311 South Wacker Drive, Suite 2400 Chicago, IL 60606 phone: 312.277.8800 fax: 312.277.8809  
 IDPR LICENSE NO. 184.002673 web: www.SpaanTech.com

DESIGNED - YK	REVISED -
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CHECKED - IB	REVISED -
DATE - FEBRUARY 4, 2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

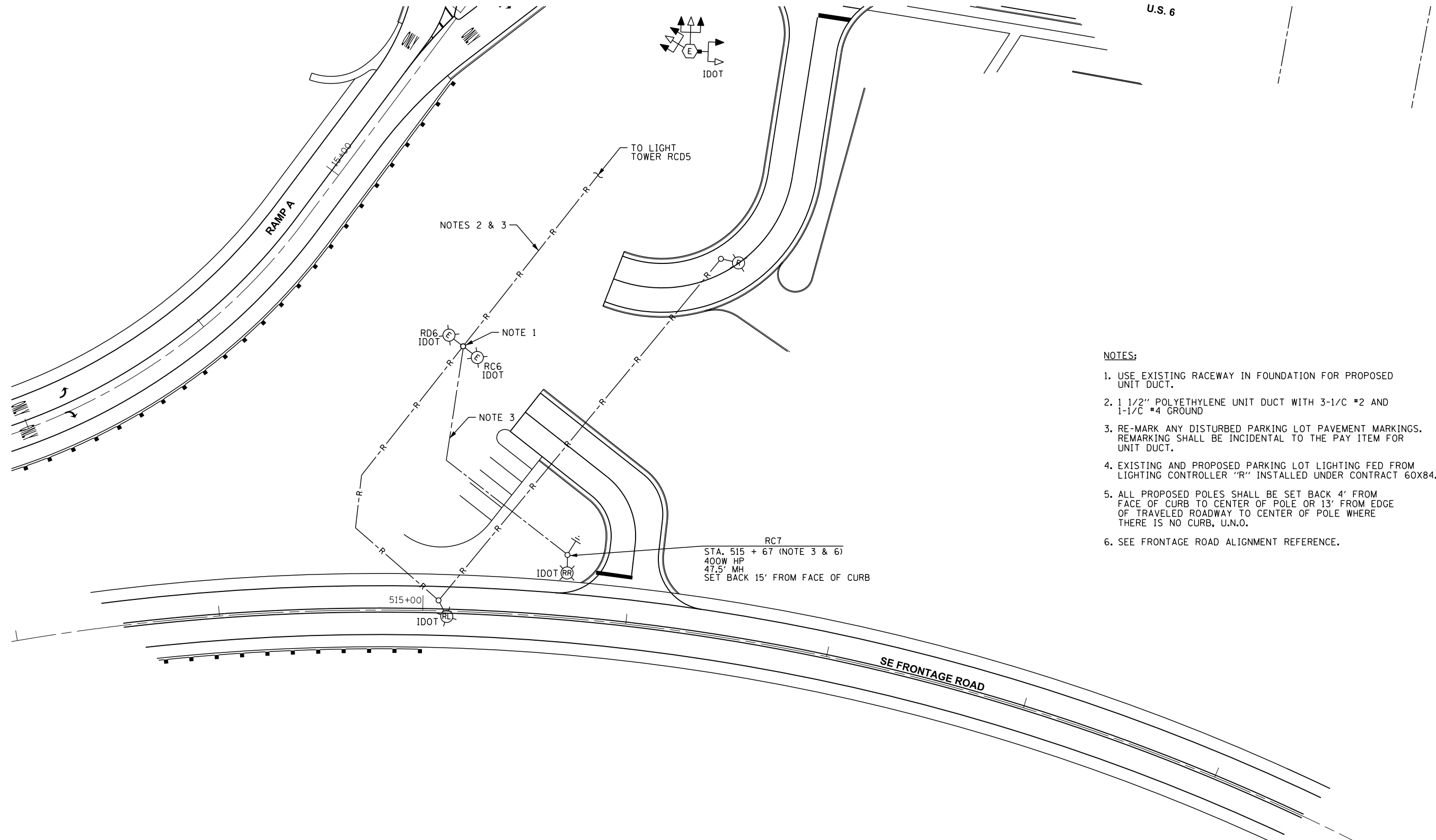
PROPOSED LIGHTING PLAN, SHEET C  
 U.S. 6 EAST OF I-55

SCALE 1"=100' SHEET NO. 5 OF XX SHEETS STA. 233+00 TO STA. 244+45

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	155	225
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

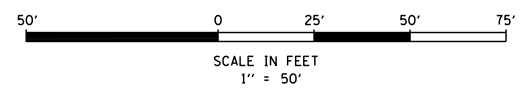
DATE	
BY	
NO.	
FINISHED SURVEY	
NO. OF SHEETS	
DATE	
BY	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
NO. OF SHEETS	
DATE	
BY	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



- NOTES:**
1. USE EXISTING RACEWAY IN FOUNDATION FOR PROPOSED UNIT DUCT.
  2. 1 1/2" POLYETHYLENE UNIT DUCT WITH 3-1/C #2 AND 1-1/C #4 GROUND
  3. RE-MARK ANY DISTURBED PARKING LOT PAVEMENT MARKINGS. REMARKING SHALL BE INCIDENTAL TO THE PAY ITEM FOR UNIT DUCT.
  4. EXISTING AND PROPOSED PARKING LOT LIGHTING FED FROM LIGHTING CONTROLLER "R" INSTALLED UNDER CONTRACT 60X84.
  5. ALL PROPOSED POLES SHALL BE SET BACK 4' FROM FACE OF CURB TO CENTER OF POLE OR 13' FROM EDGE OF TRAVELED ROADWAY TO CENTER OF POLE WHERE THERE IS NO CURB, U.N.O.
  6. SEE FRONTAGE ROAD ALIGNMENT REFERENCE.

RC7  
 STA. 515 + 67 (NOTE 3 & 6)  
 400W HP  
 47.5' MH  
 SET BACK 15' FROM FACE OF CURB



LT-06

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 211 WEST WACKER DRIVE  
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 PHONE: (312)372-2023 FAX: (312)372-5274

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 311 South Wacker Drive, Suite 2400 Chicago, IL 60606  
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 IDPFR LICENSE NO. 184.002673 web: www.SpaanTech.com

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DRAWN - RC	REVISED -
CHECKED - IB	REVISED -
DATE - FEBRUARY 4, 2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IDOT PARKING LOT LIGHT POLE RELOCATION  
 U.S. 6 EAST OF I-55**

SCALE 1"=50' SHEET NO. 6 OF XX SHEETS STA. XXX+XX TO STA. XXX+XX

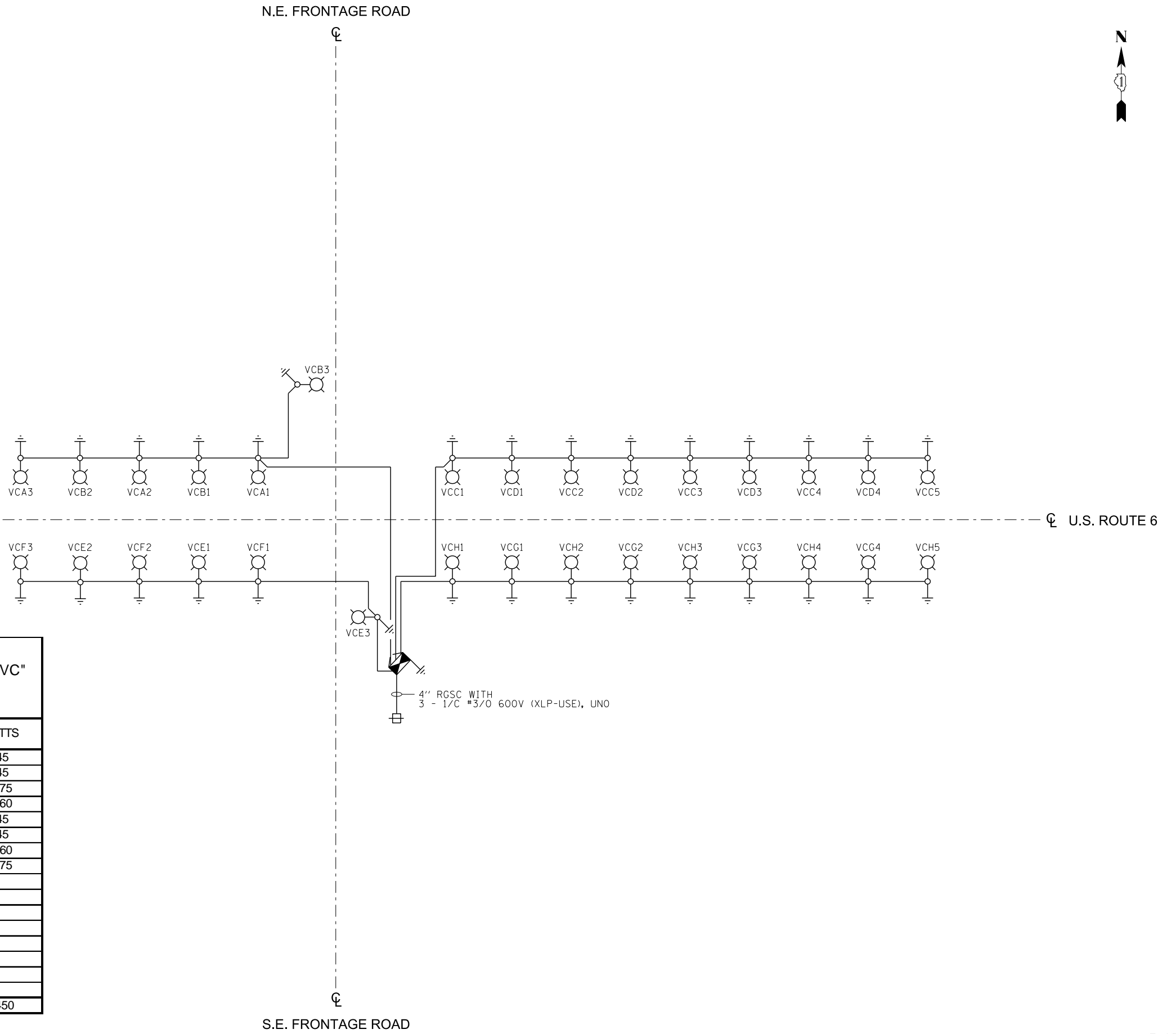
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	156	225
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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TEMPLATE	
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AREAS CHECKED	

DATE	
BY	
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NO. BOOK	
AREAS CHECKED	

LEGEND	DESCRIPTION
	PROPOSED LIGHT POLE 35' MH WITH 250W HPS LUMINAIRE, 240V, 5A FUSE
	PROPOSED UNIT DUCT, 1 1/2" DIA. POLYETHYLENE WITH 3 - 1/C #2 AND 1 - 1/C #4 GROUND 600V (XLP-USE), UNO
	PROPOSED LIGHTING CONTROLLER "VC"
	ComEd SERVICE POLE
	GROUND ROD



PANEL SCHEDULE AND LOAD TABULATION					
PROPOSE VILLAGE OF CHANNAHON LIGHTING CONTROLLER "VC"					
240 240/ 480 VOLT 1-PHASE, 3-WIRE					
MAIN BREAKER: 100A					
CIRCUIT	DESCRIPTION	BREAKER TRIP AMPS	AMPS		WATTS
			RED	BLACK	
A	(3) 250W HPS	50	3.9	--	945
B	(3) 250W HPS	50	--	3.9	945
C	(5) 250W HPS	50	6.6	--	1575
D	(4) 250W HPS	50	--	5.3	1260
E		50	3.9	--	945
F	(3) 250W HPS	50	--	3.9	945
G	(4) 250W HPS	50	5.3	--	1260
H	(5) 250W HPS	50	--	6.6	1575
I					
J					
K					
L					
M					
N					
O					
P					
<b>TOTAL</b>			<b>19.7</b>	<b>19.7</b>	<b>9,450</b>

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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DESIGNED - YK	REVISED -
DRAWN - RC	REVISED -
CHECKED - IB	REVISED -
DATE - FEBRUARY 4, 2014	REVISED -

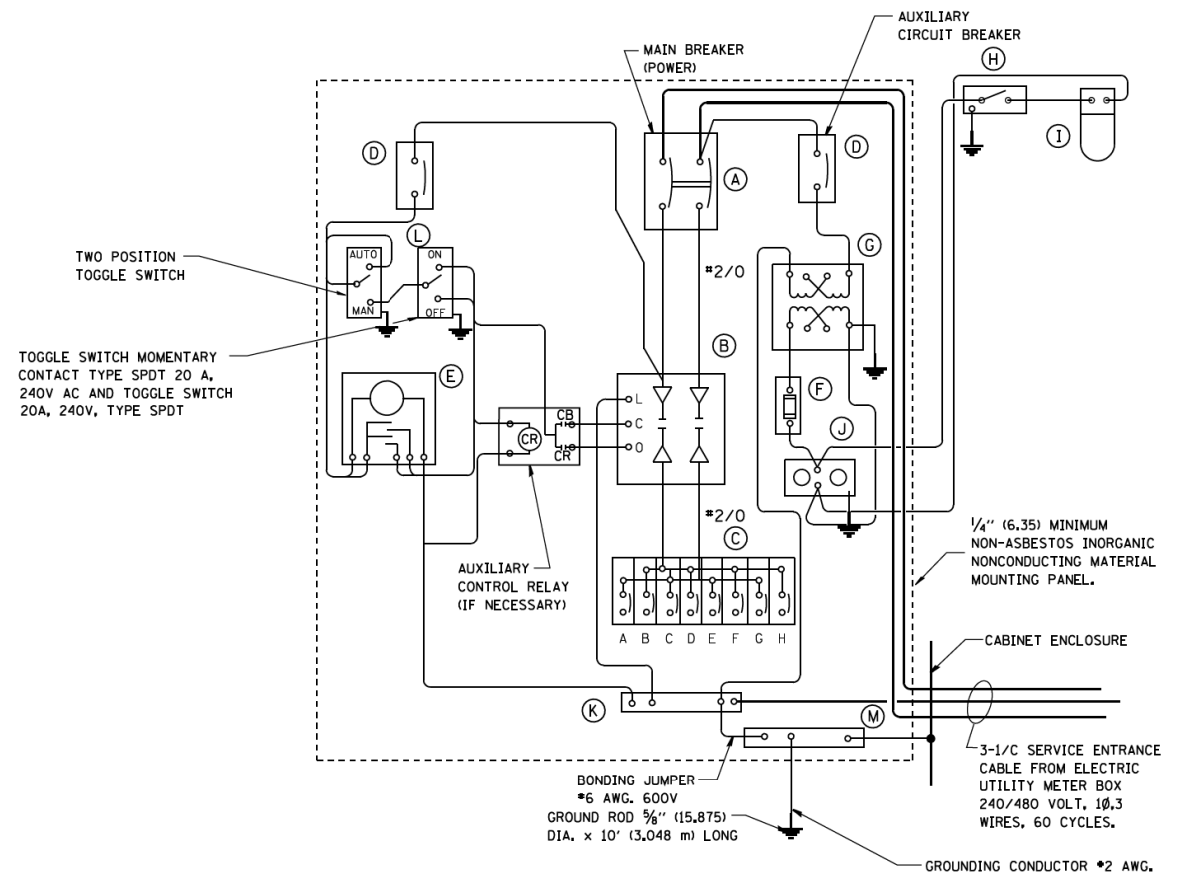
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM**  
**U.S. 6 EAST OF I-55**

SCALE NONE SHEET NO. 7 OF XX SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	157	225
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

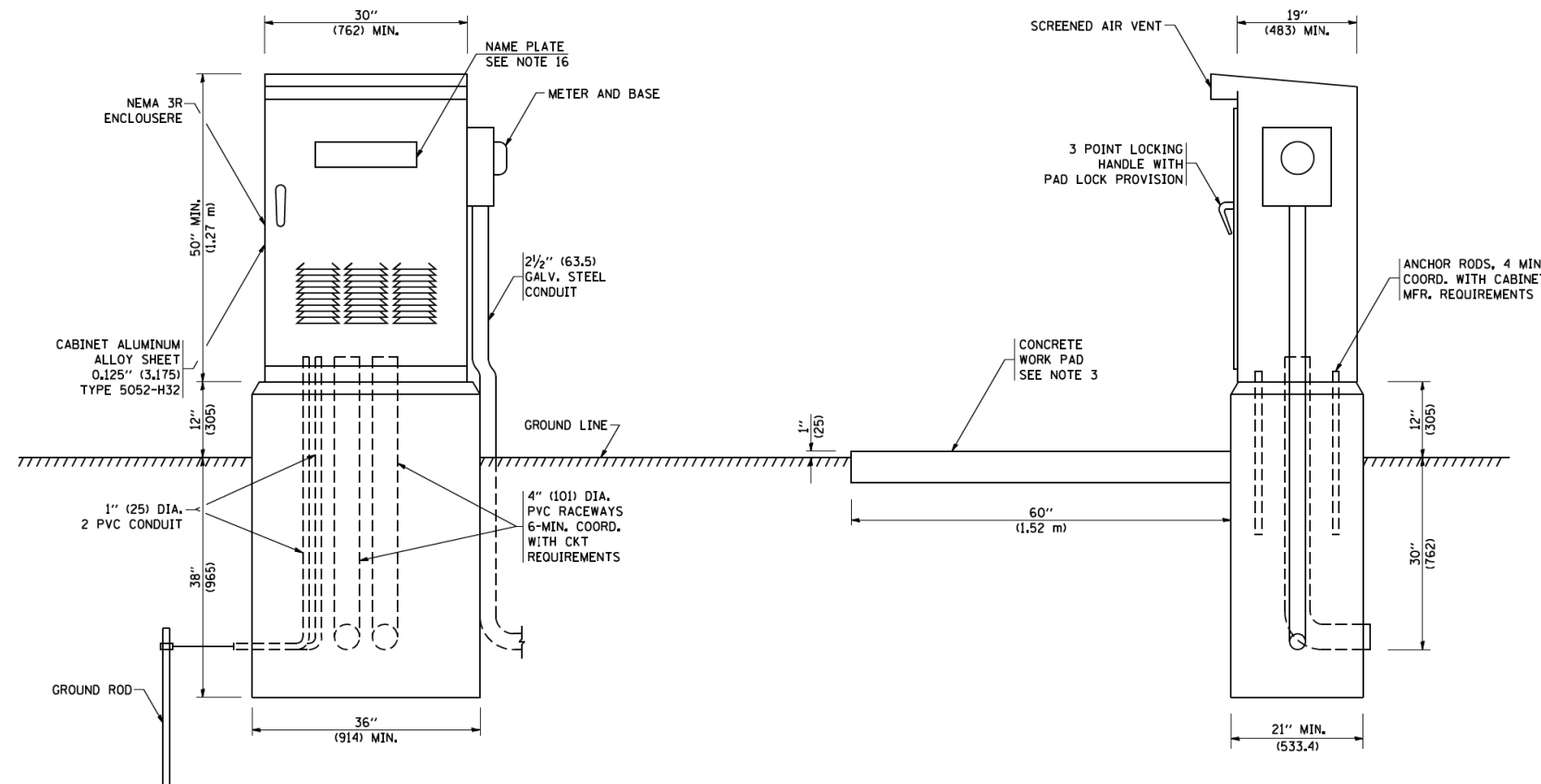
LT-07



**PANEL WIRING DIAGRAM**

**PANEL EQUIPMENT**

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH).
F	1	20 A., 120 V. FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 HZ.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS



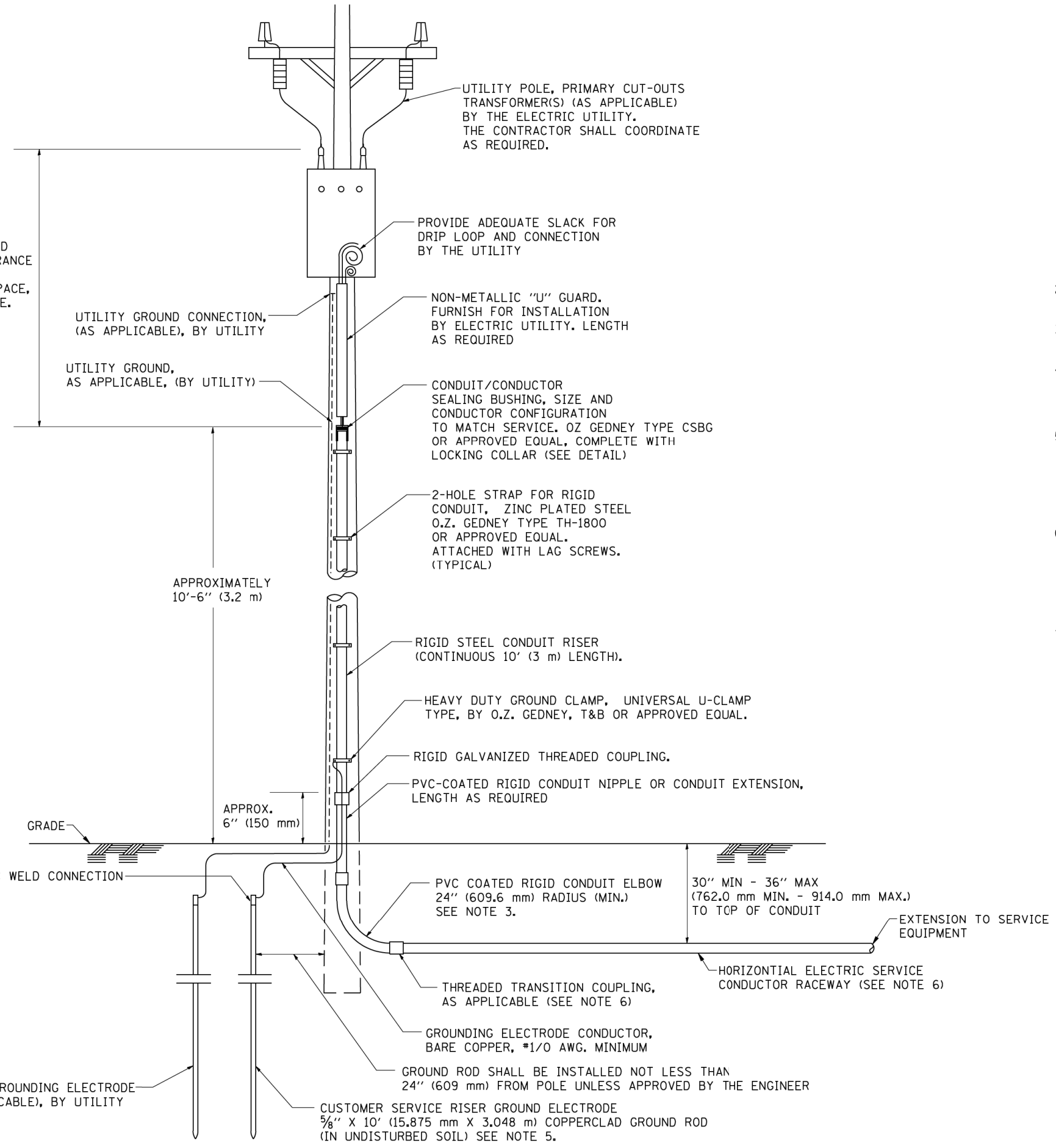
**NOTES:**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

LT-08

FILE NAME = W:\dstad\22x34\be215.dgn	USER NAME = gegl:anobt	DESIGNED - DRAWN -	REVISED - 08-20-04 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING CONTROLLER SINGLE DOOR</b>		F.A. RTE. -	SECTION 991&2AC-R-3	COUNTY	TOTAL SHEETS 158	SHEET NO. 225
PLOT SCALE = 50.0000 / IN.	PLOT DATE = 1/4/2008	CHECKED - DATE -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>BE-215</b>		CONTRACT NO. 60130	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

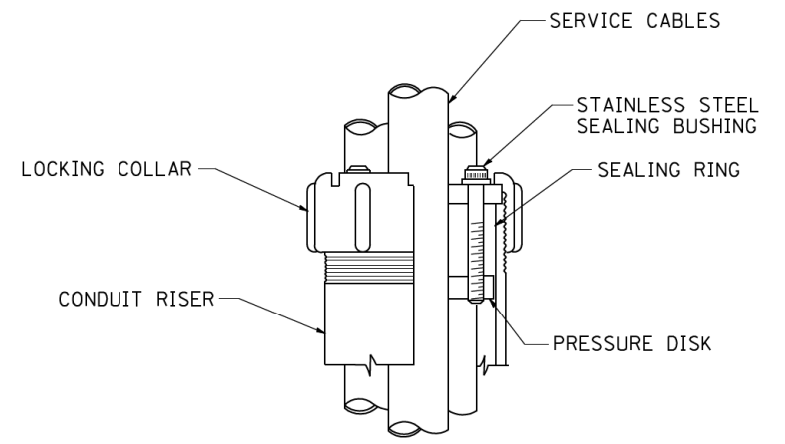


**APPLICATION**

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

**NOTES**

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



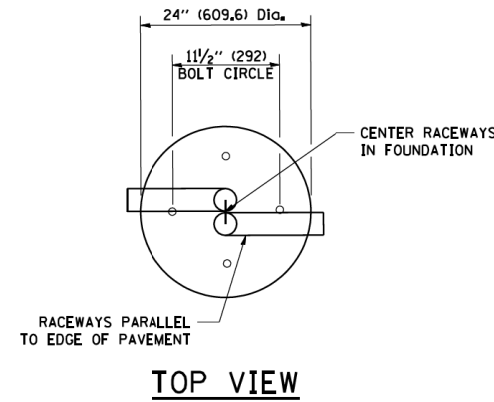
**SEALING BUSHING DETAIL**

FILE NAME = W:\distad\22x34\be220.dgn	USER NAME = geglennobt	DESIGNED - DRAWN -	REVISED - 03-03-06 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT</b>			F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 99(1&2)AC-R-3 159 225
PLOT SCALE = 50.0000' / IN.	CHECKED - MEA	DATE -	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		<b>BE-220</b>		CONTRACT NO. 60130	
PLOT DATE = 1/4/2008	DATE -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

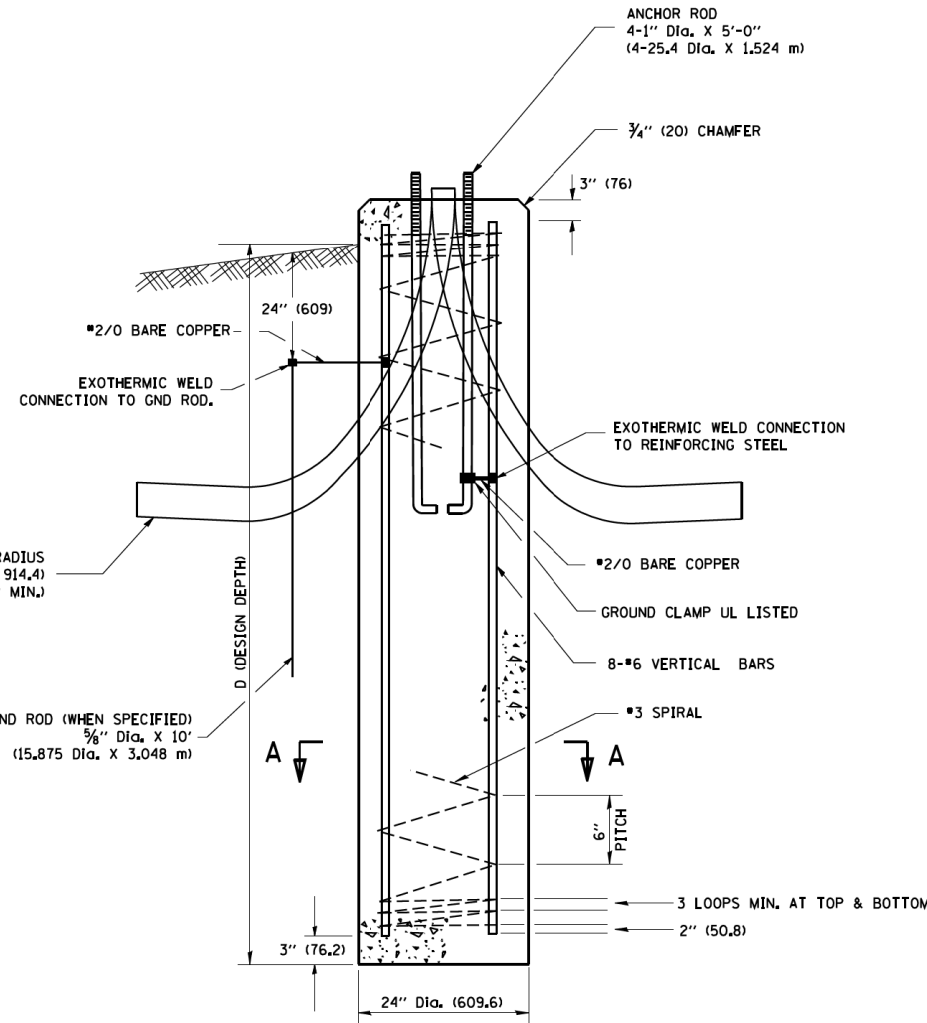


**LIGHT POLE FOUNDATION DEPTH TABLE**  
**30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT**

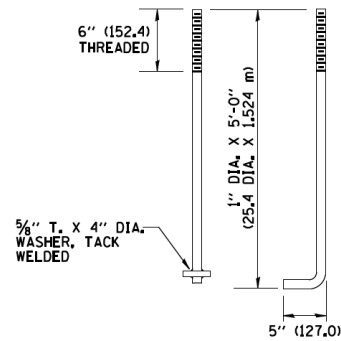
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O <sub>u</sub> = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY O <sub>u</sub> = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY O <sub>u</sub> = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61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



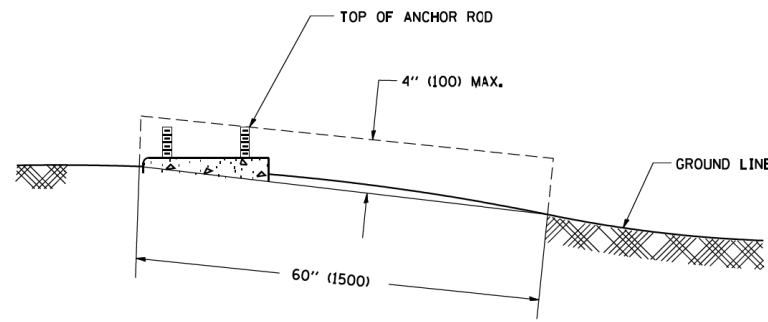
**TOP VIEW**



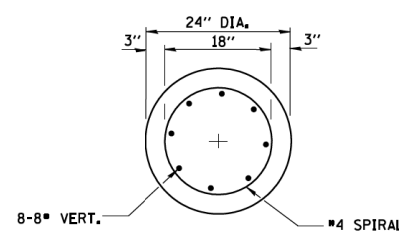
**FOUNDATION DETAIL**



**ANCHOR BOLT DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**

**NOTES**

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

FILE NAME =  
 W:\diststd\22x34\be300.dgn

USER NAME = gaglianob  
 PLOT SCALE = 50.0000 / IN.  
 PLOT DATE = 1/4/2008

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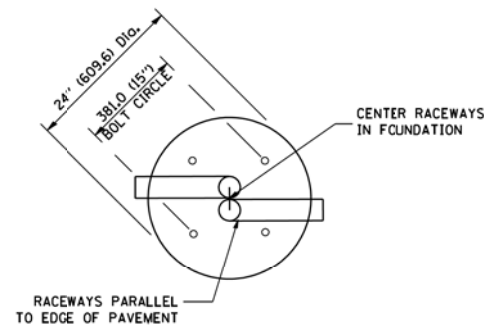
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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

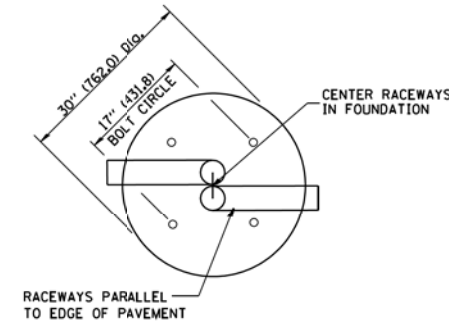
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	991&21AC-R-3		160	225
BE-300		CONTRACT NO.	60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



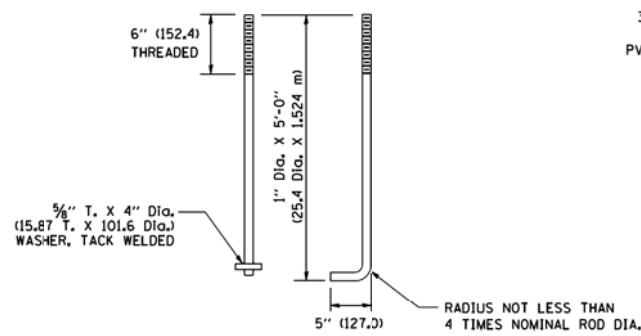
**TOP VIEW**



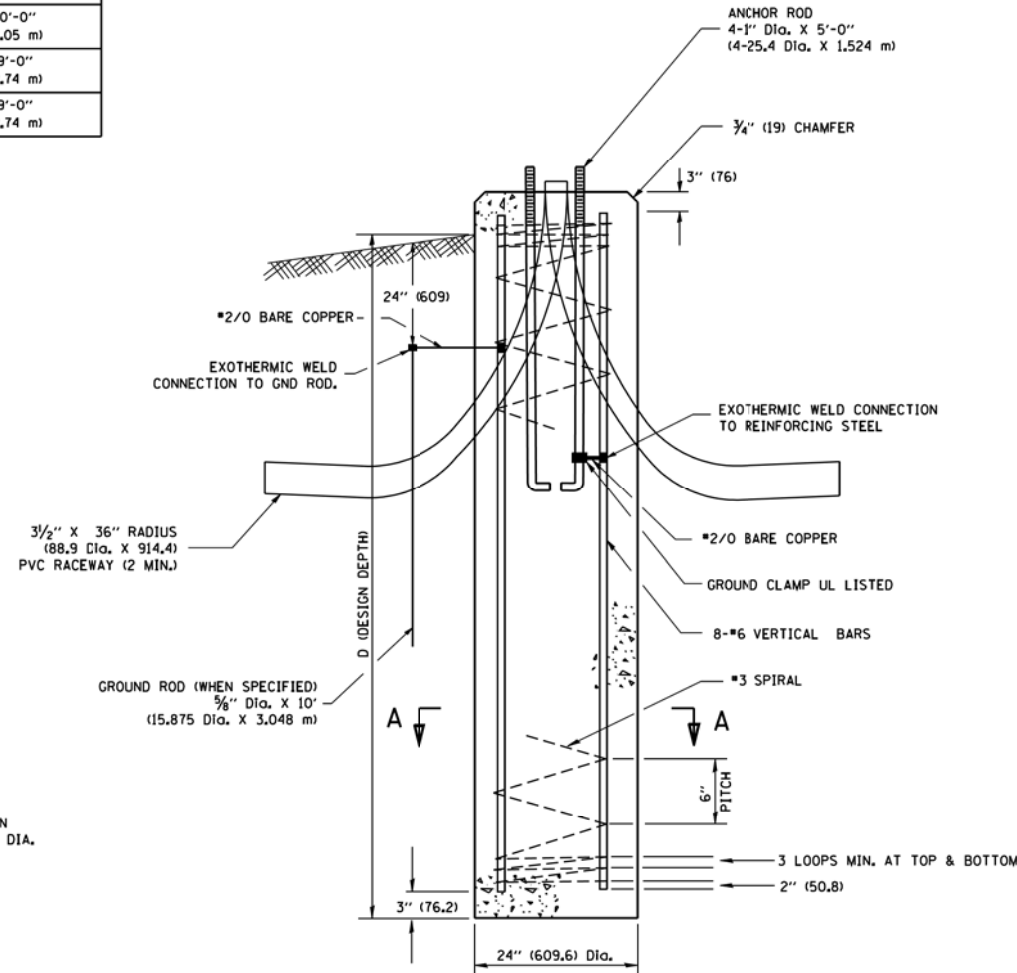
**TOP VIEW**

**NOTES**

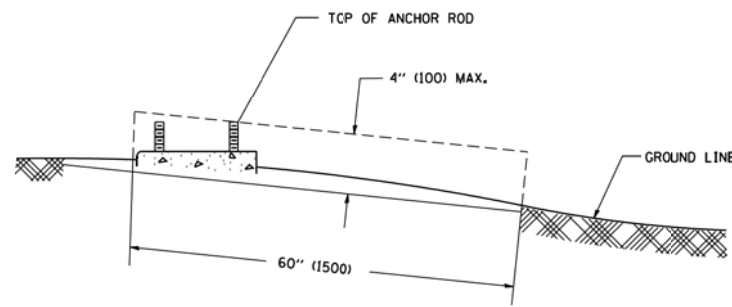
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



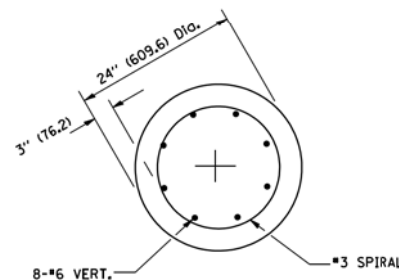
**ANCHOR ROD DETAIL**



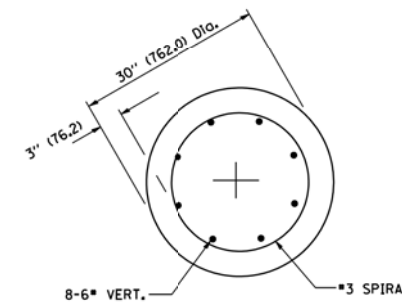
**FOUNDATION DETAIL**



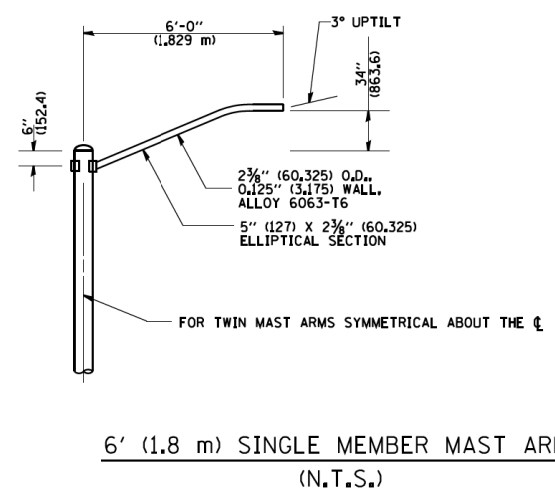
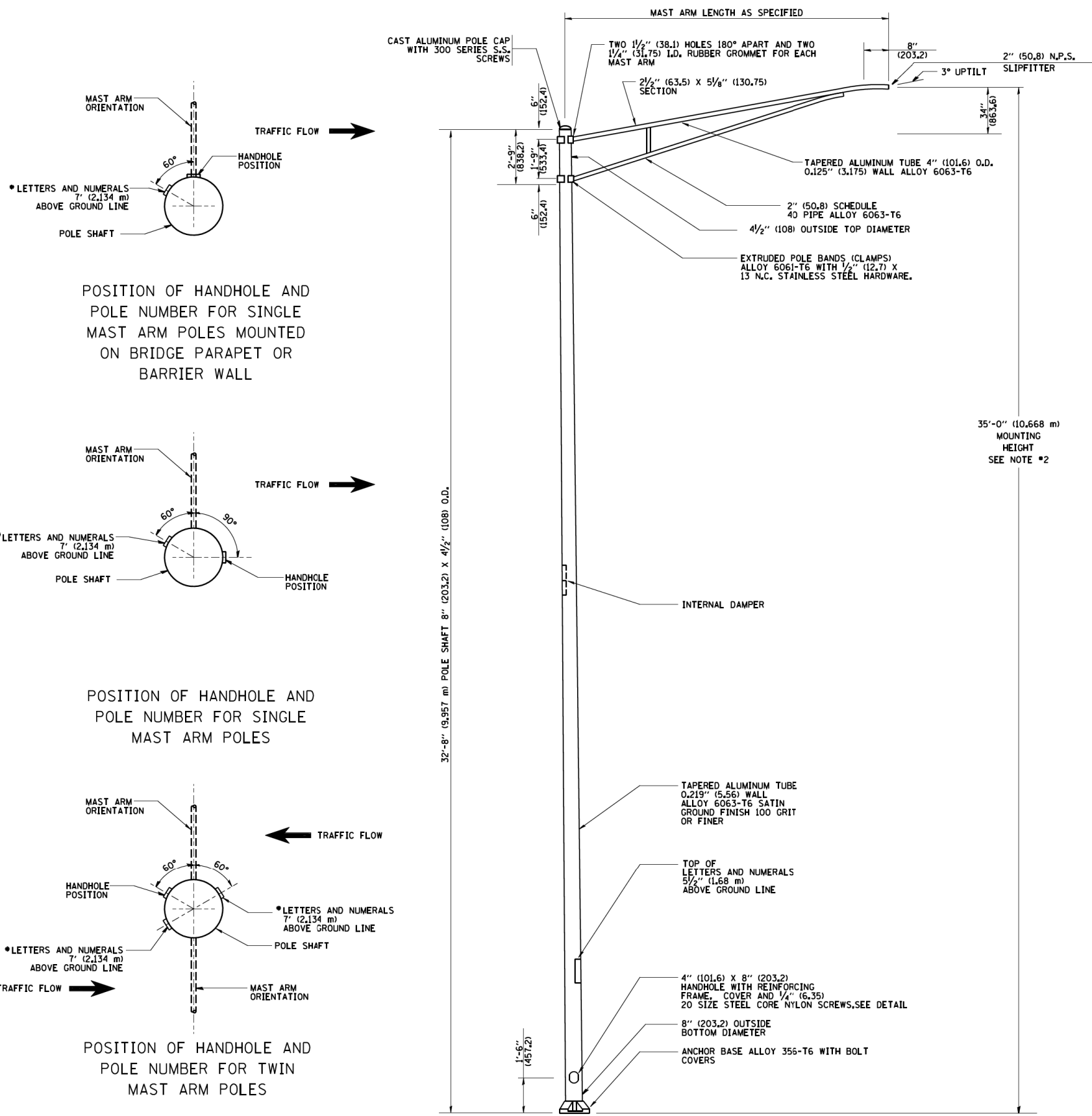
**FOUNDATION EXTENSION DETAIL**



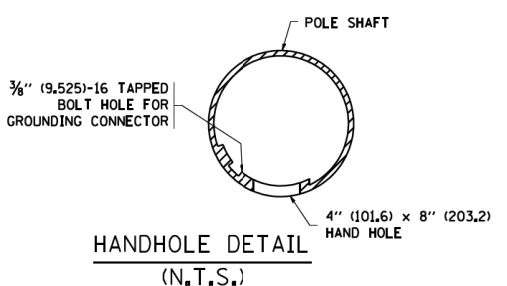
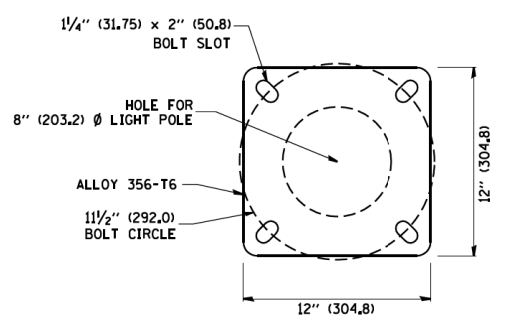
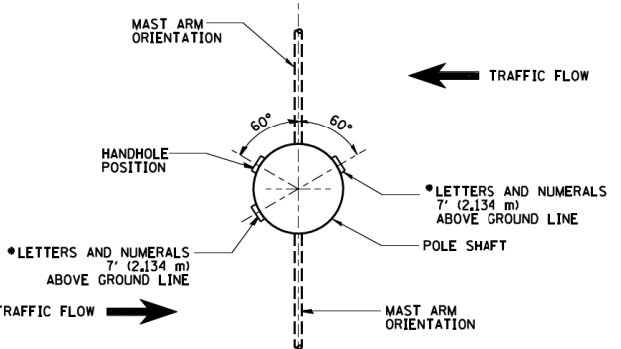
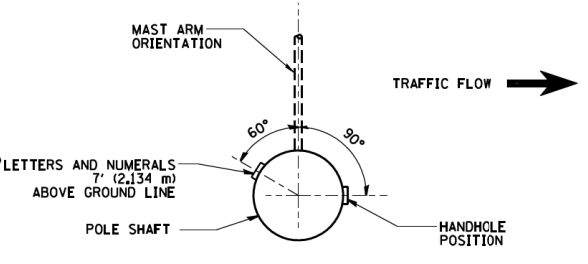
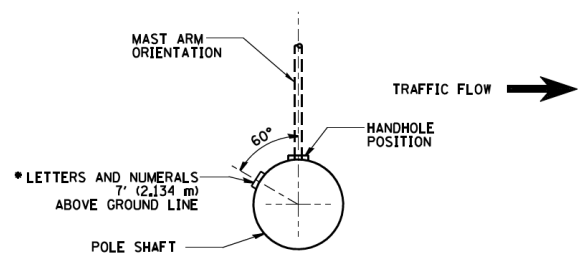
**SECTION A-A**



**SECTION A-A**



- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
  2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
  3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
  4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
  5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
  6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
  7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



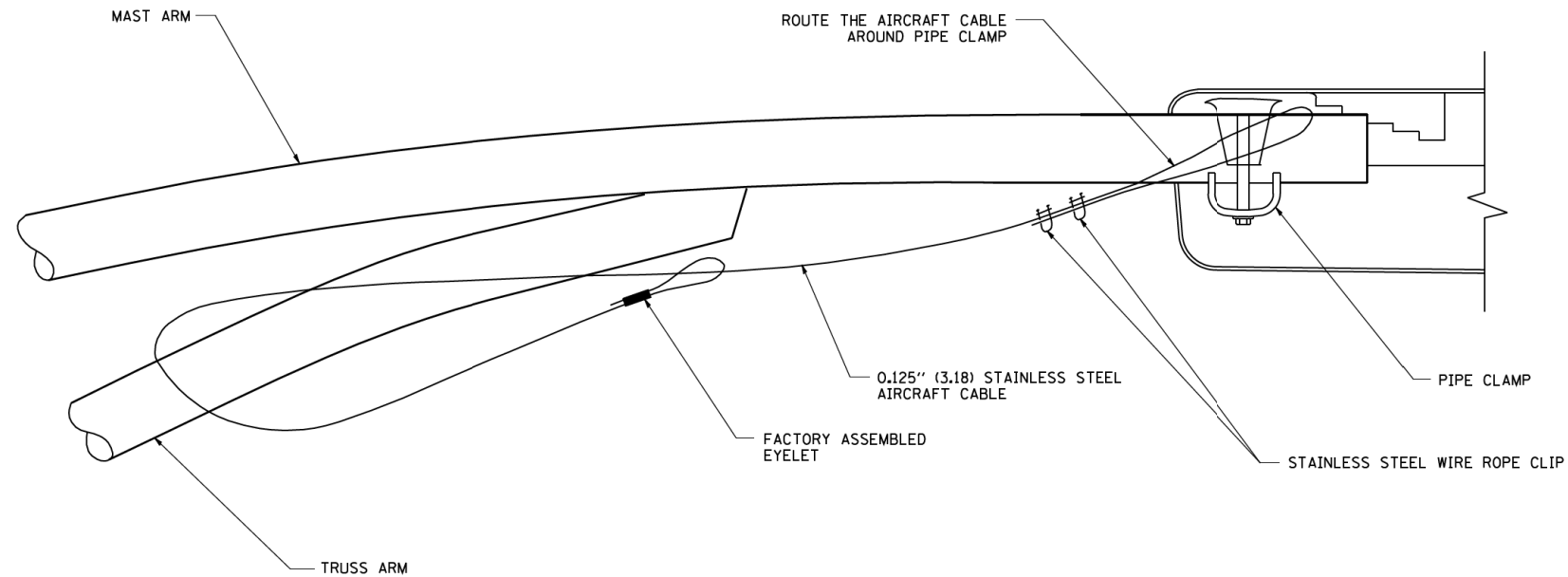
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PLOT DATE = 1/4/2008	DATE -	REVISOR -	DATE -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

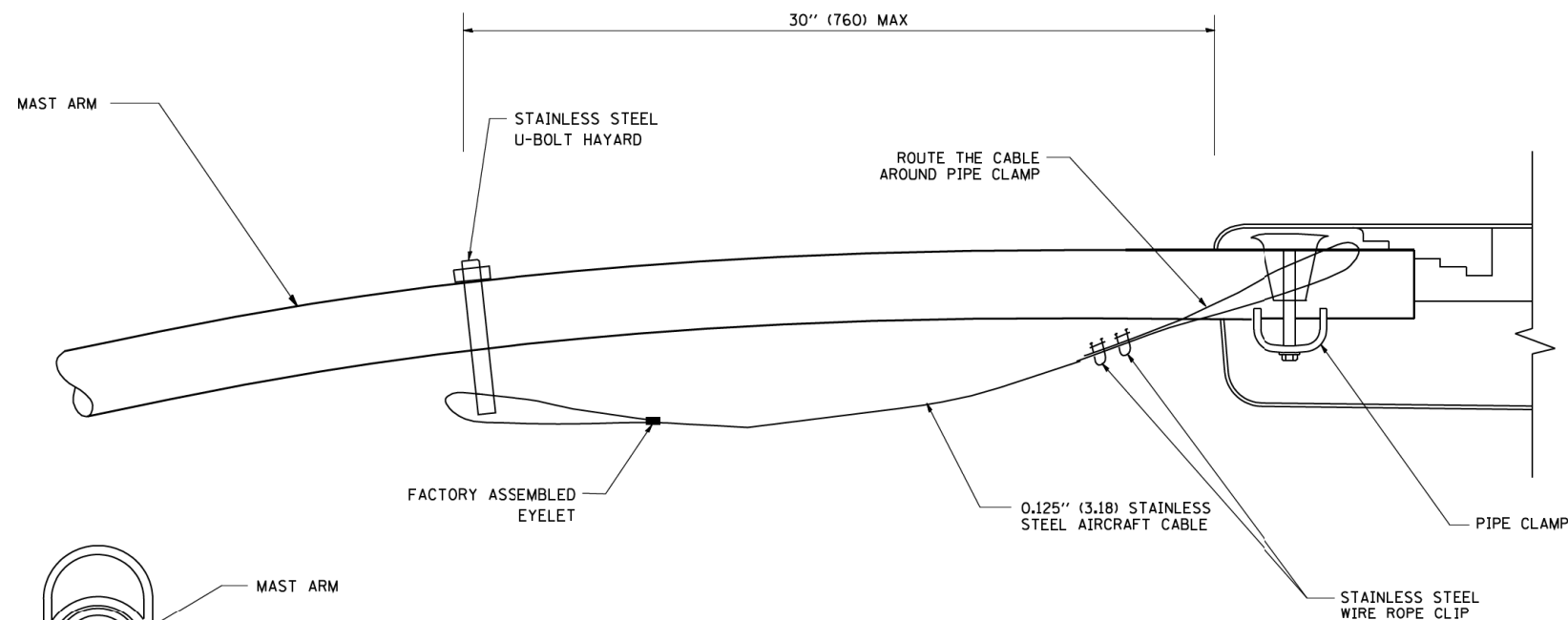
<b>ALUMINUM LIGHT POLE</b>			
<b>35'-0" (10.668 m) MOUNTING HEIGHT</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	99(1&2)AC-R-3		162	225
<b>BE-402</b>		CONTRACT NO.	60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

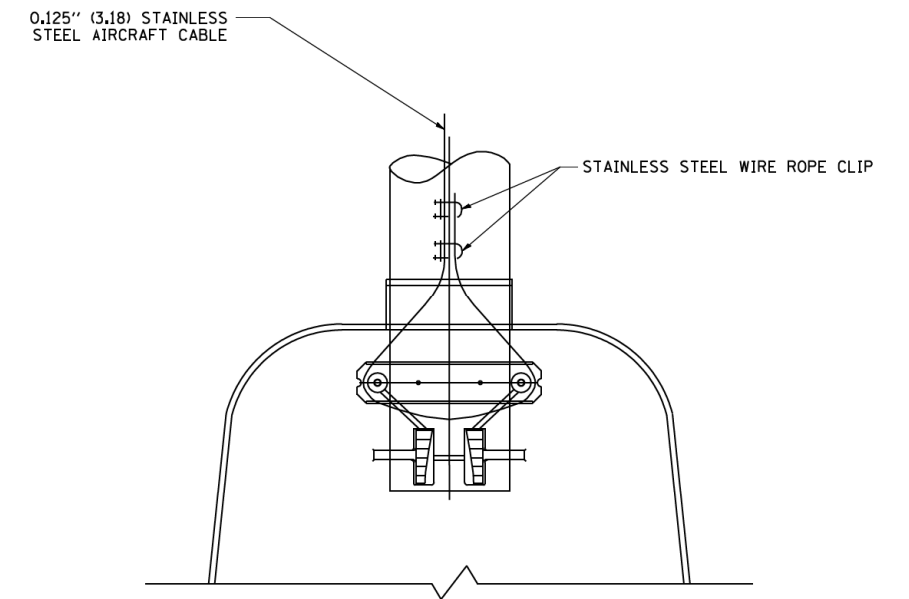
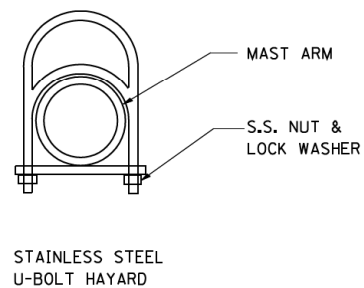




**SIDE VIEW (TRUSS ARM)**  
N.T.S.



**SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)**  
N.T.S.

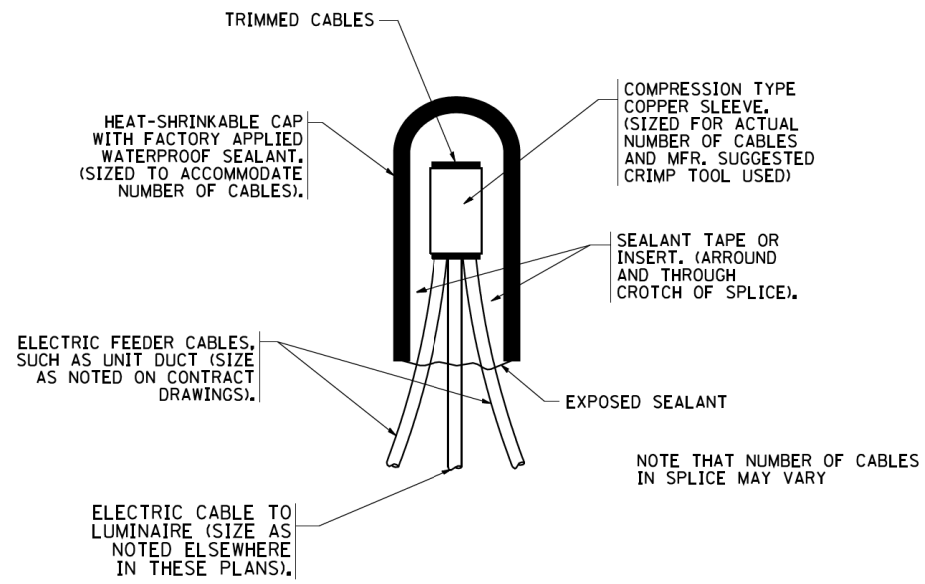


**BOTTOM VIEW**  
N.T.S.

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

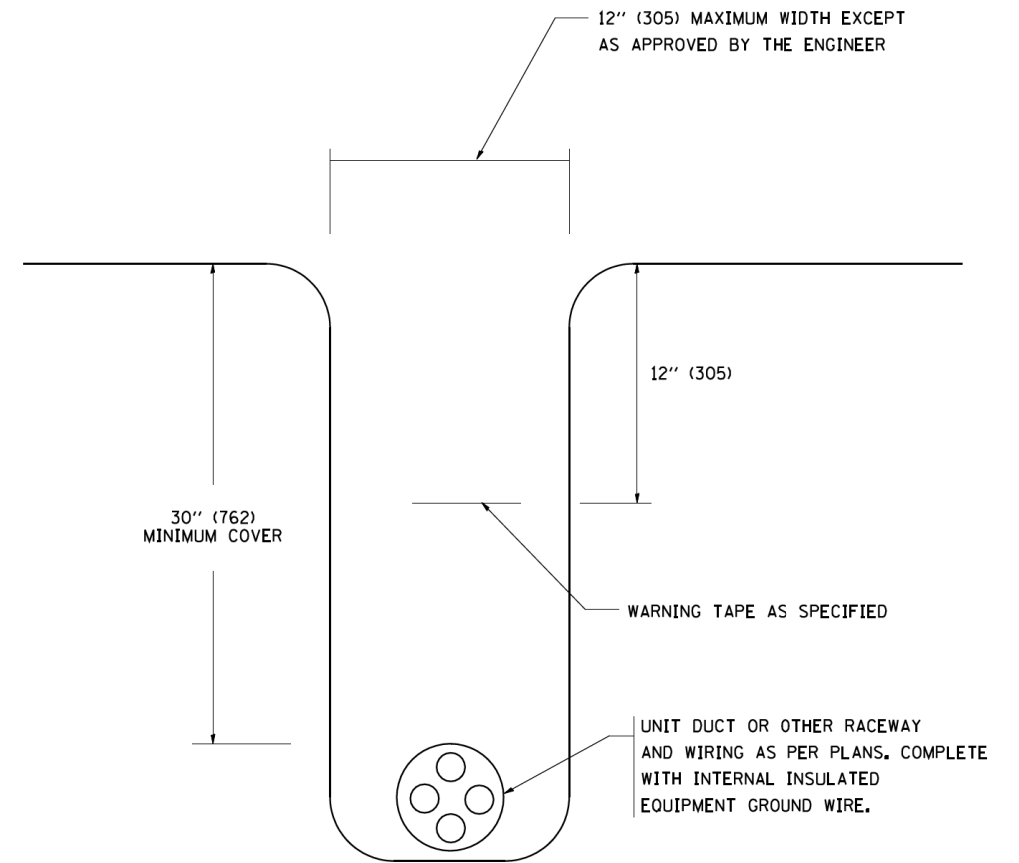
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	PLOT SCALE = 50.000 ' / IN. PLOT DATE = 1/4/2008	CHECKED - DATE -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	99(1&2)AC-R-3		163	225
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FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT												



**TYPICAL SPLICE DETAIL**

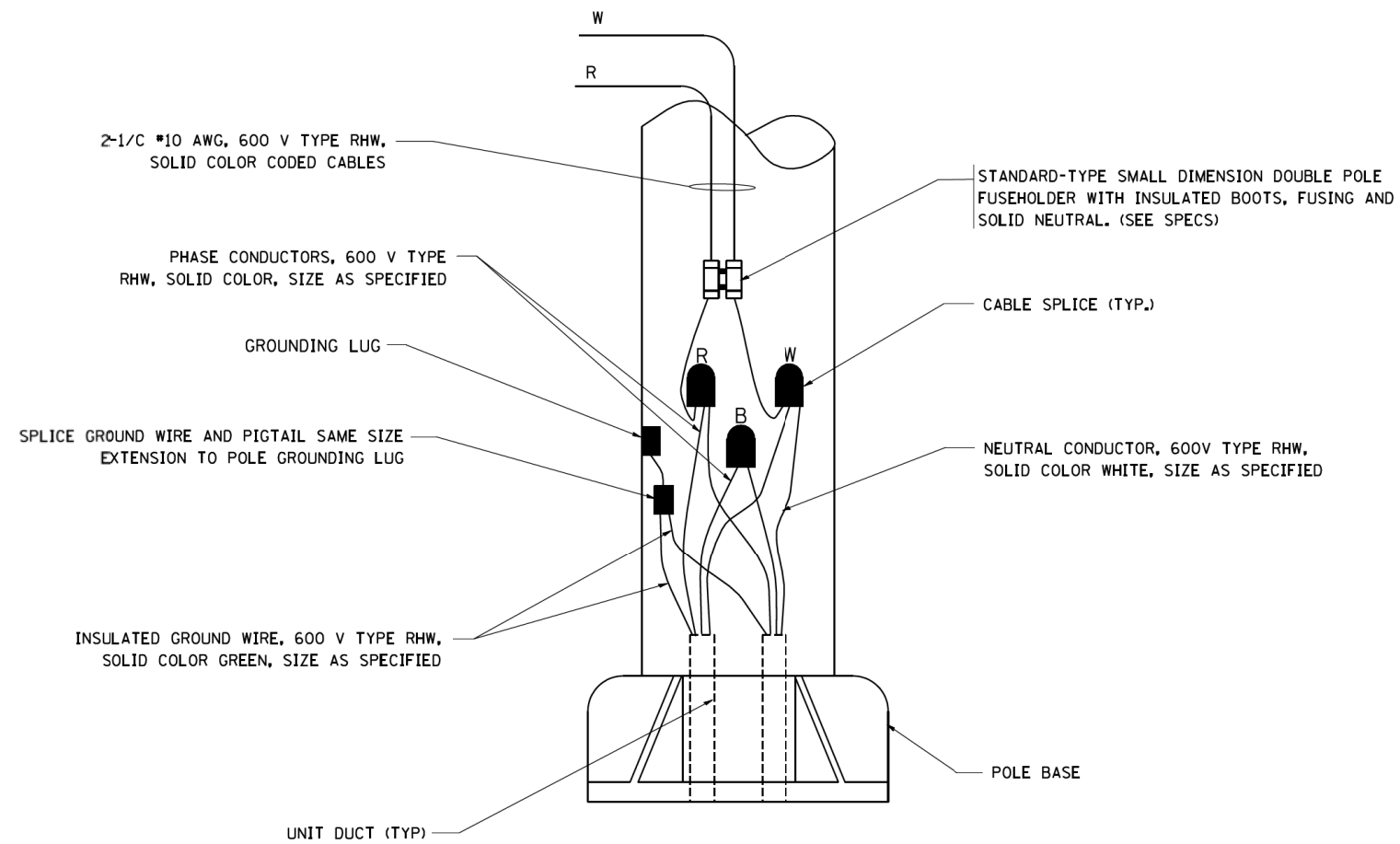
N.T.S.

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



**TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.



**POLE WIRING DETAIL**

N.T.S.

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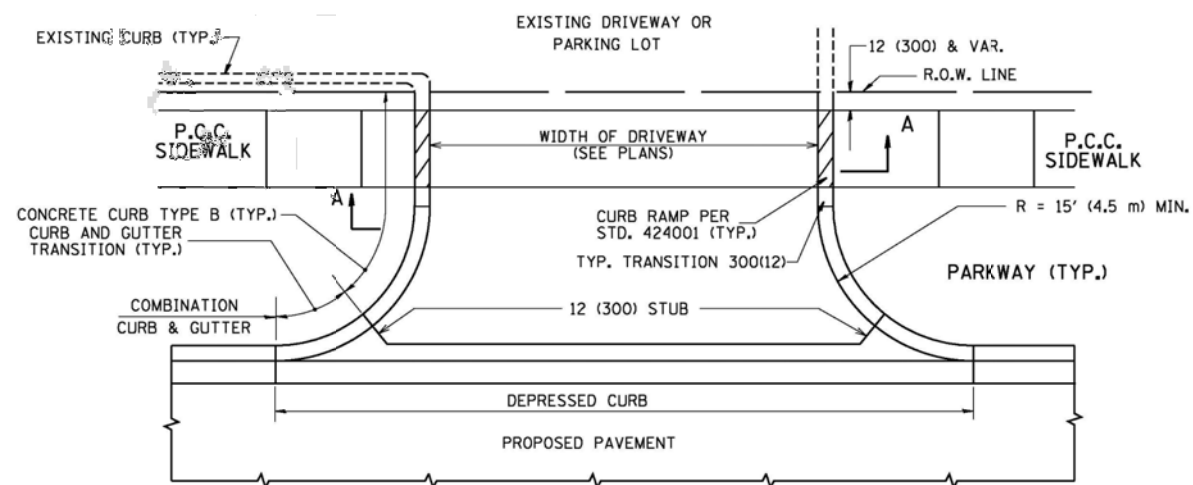
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

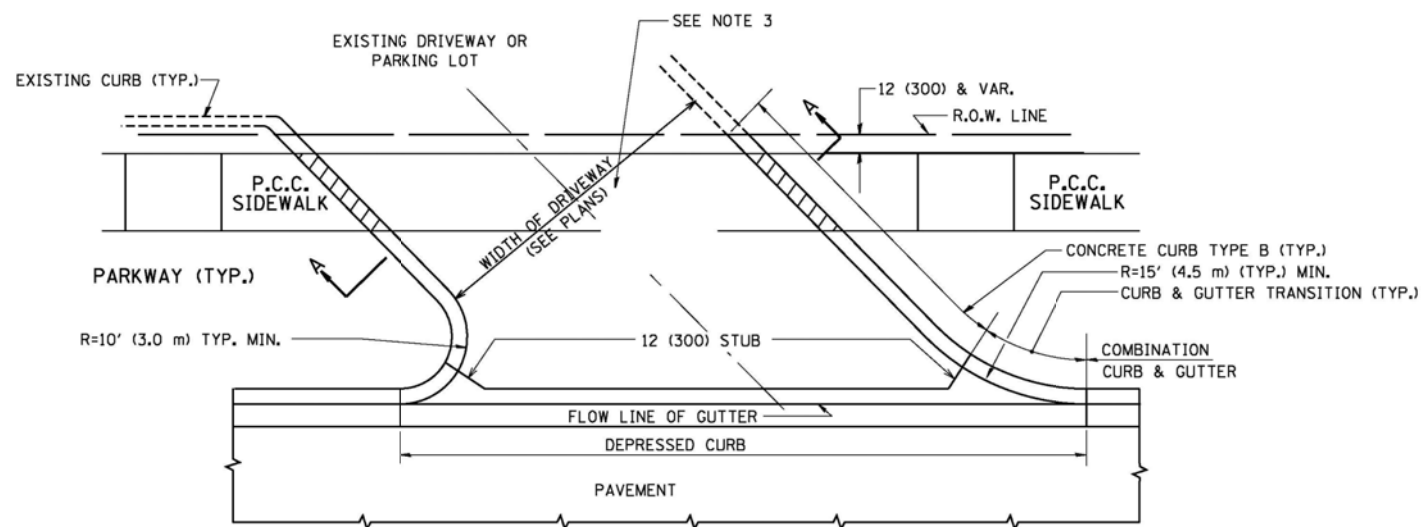
**MISC. ELECTRICAL DETAILS  
 SHEET A**

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

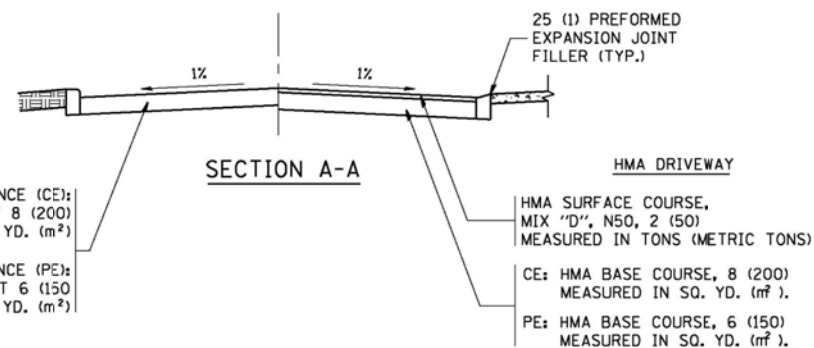
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BE-702			CONTRACT NO. 60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B

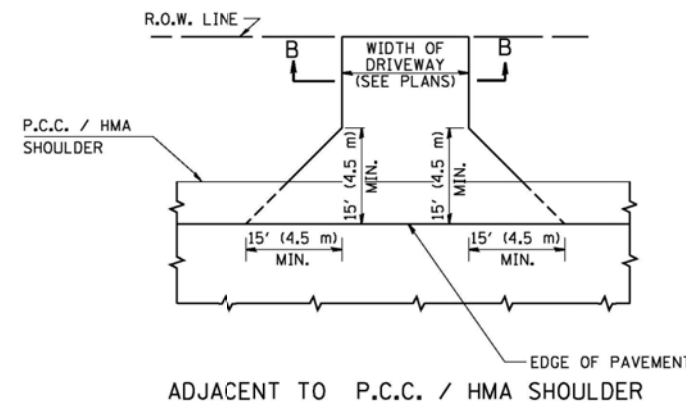


WITH CONCRETE CURB, TYPE B

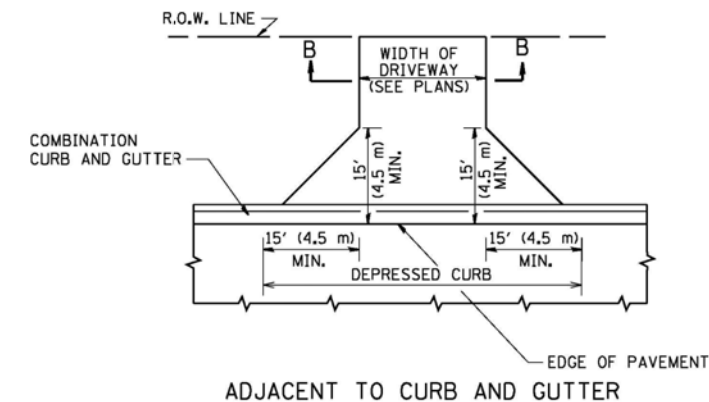


**RIGID DRIVEWAY**  
 COMMERCIAL ENTRANCE (CE):  
 P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)  
 NON-COMMERCIAL ENTRANCE (PE):  
 P.C.C. DRIVEWAY PAVEMENT 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

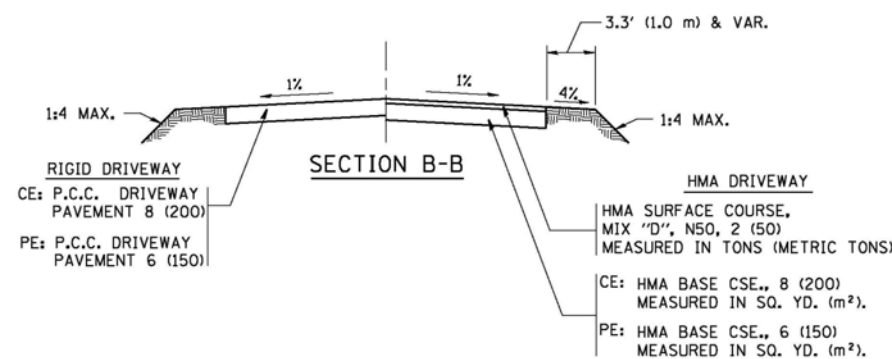
**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 AGGREGATE BASE CSE., TYPE B, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).

**GENERAL NOTES:**

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

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

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

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

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

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

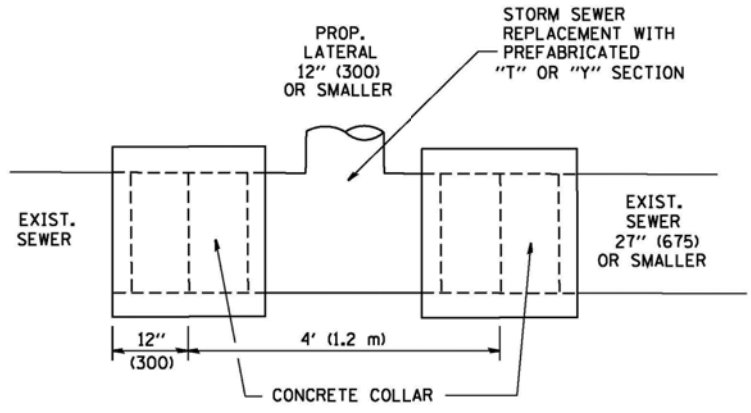
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	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

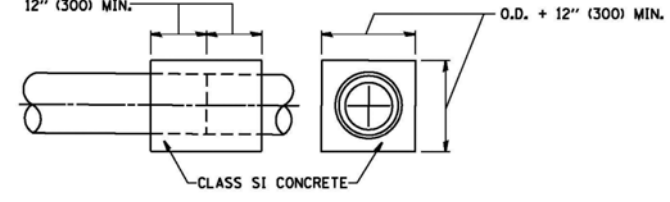
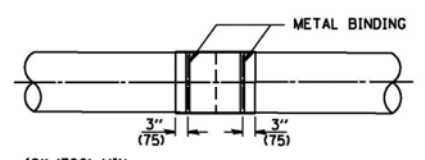
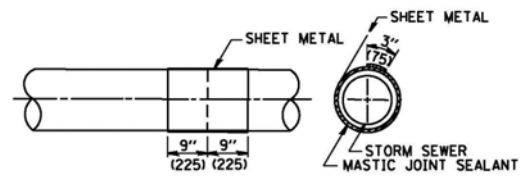
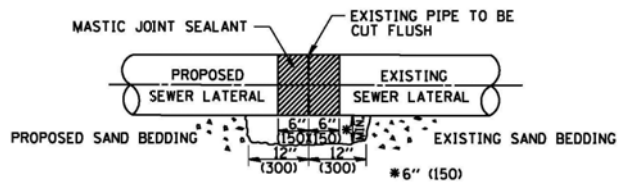
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>BD0156-07 (BD-01)</b>		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**DETAIL "A"**

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

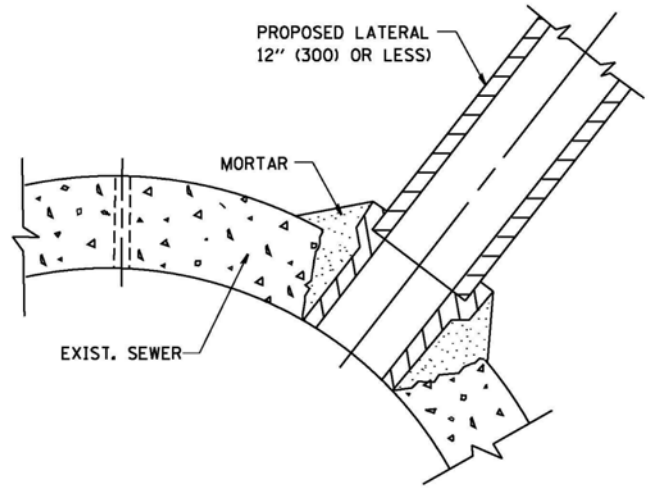


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

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



**DETAIL "C"**

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

**NOTES**

**MATERIAL**

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

**CONSTRUCTION METHODS**

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

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

**GENERAL**

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

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

**BASIS OF PAYMENT**

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

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

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

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

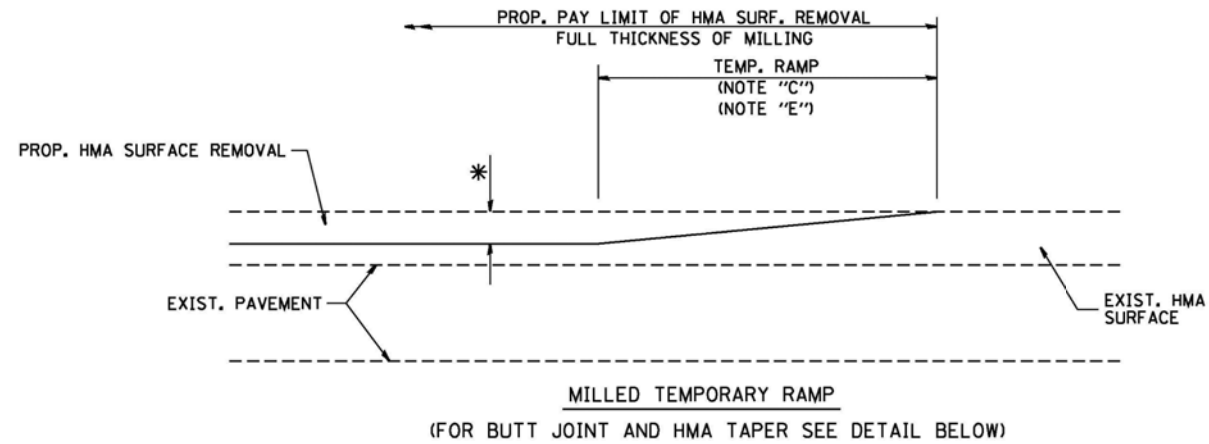
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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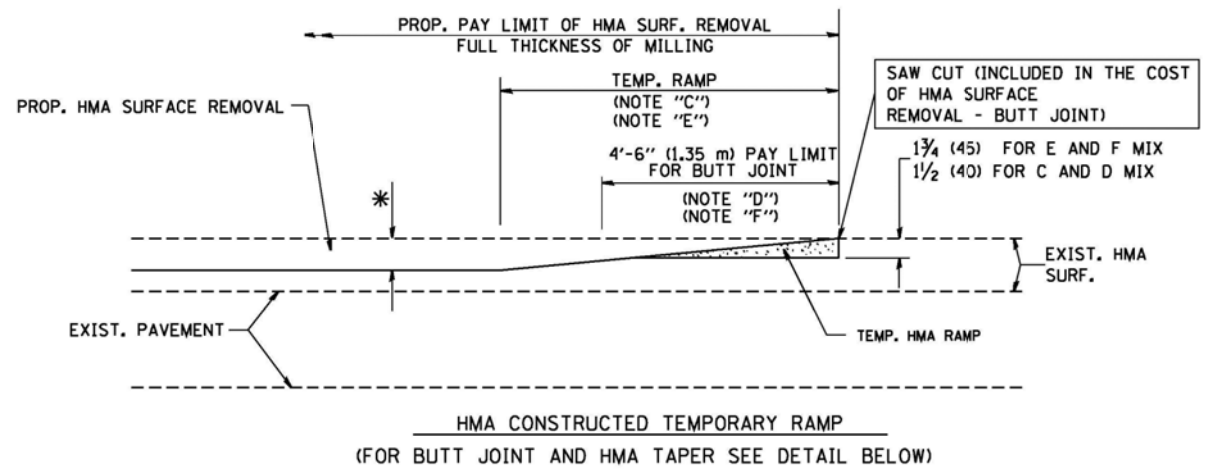
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

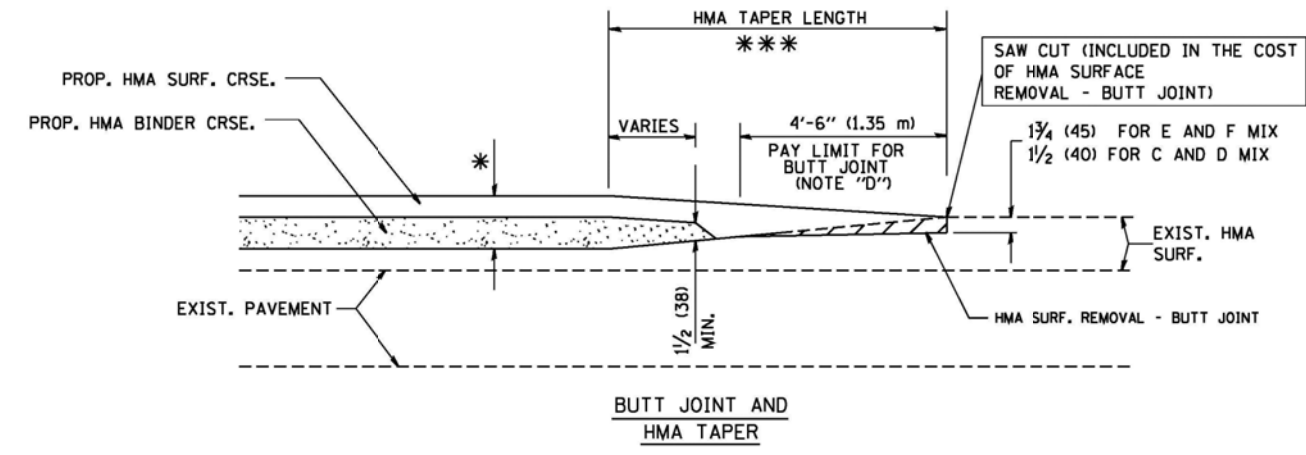
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<b>BD500-01 (BD-7)</b>			<b>CONTRACT NO. 60130</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



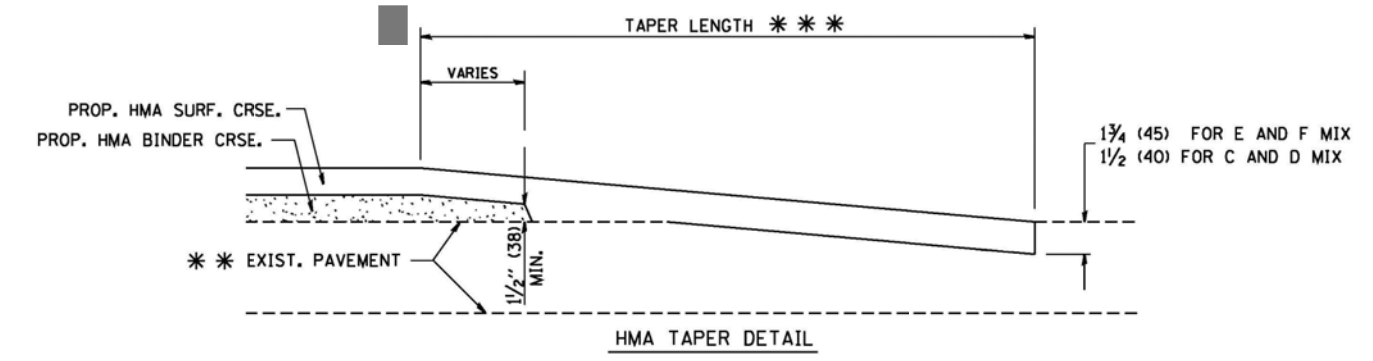
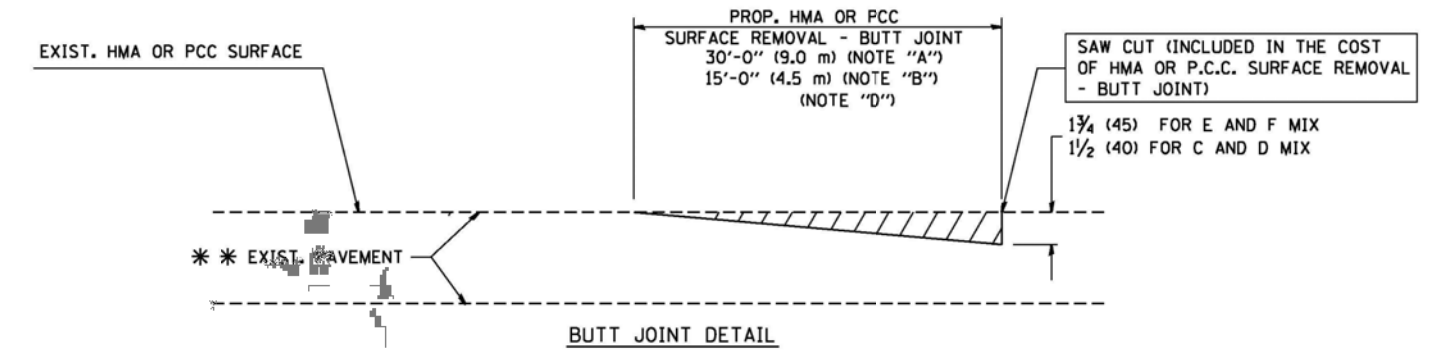
**OPTION 1**



**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

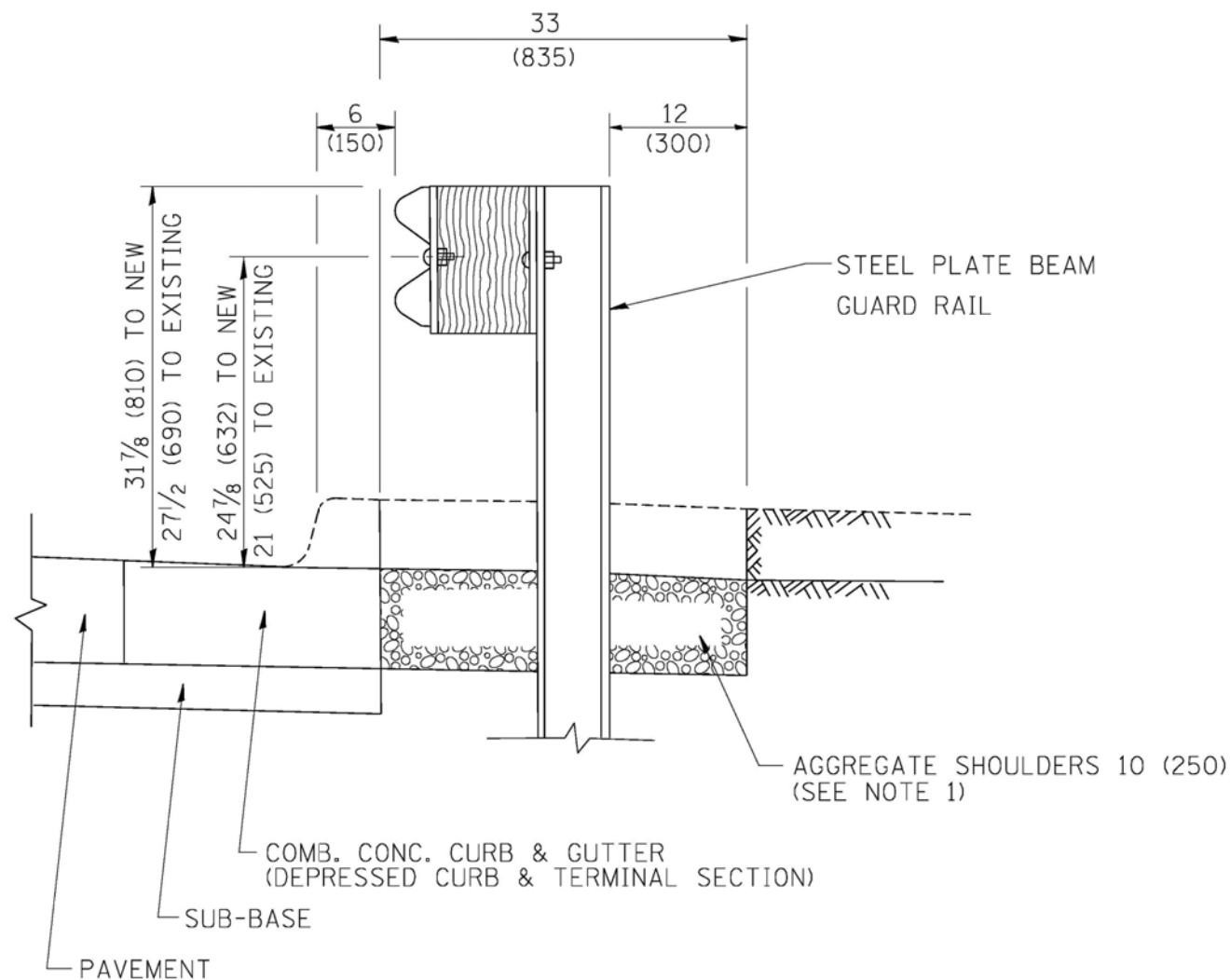
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2000	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. 119+32	TO STA. 197+40

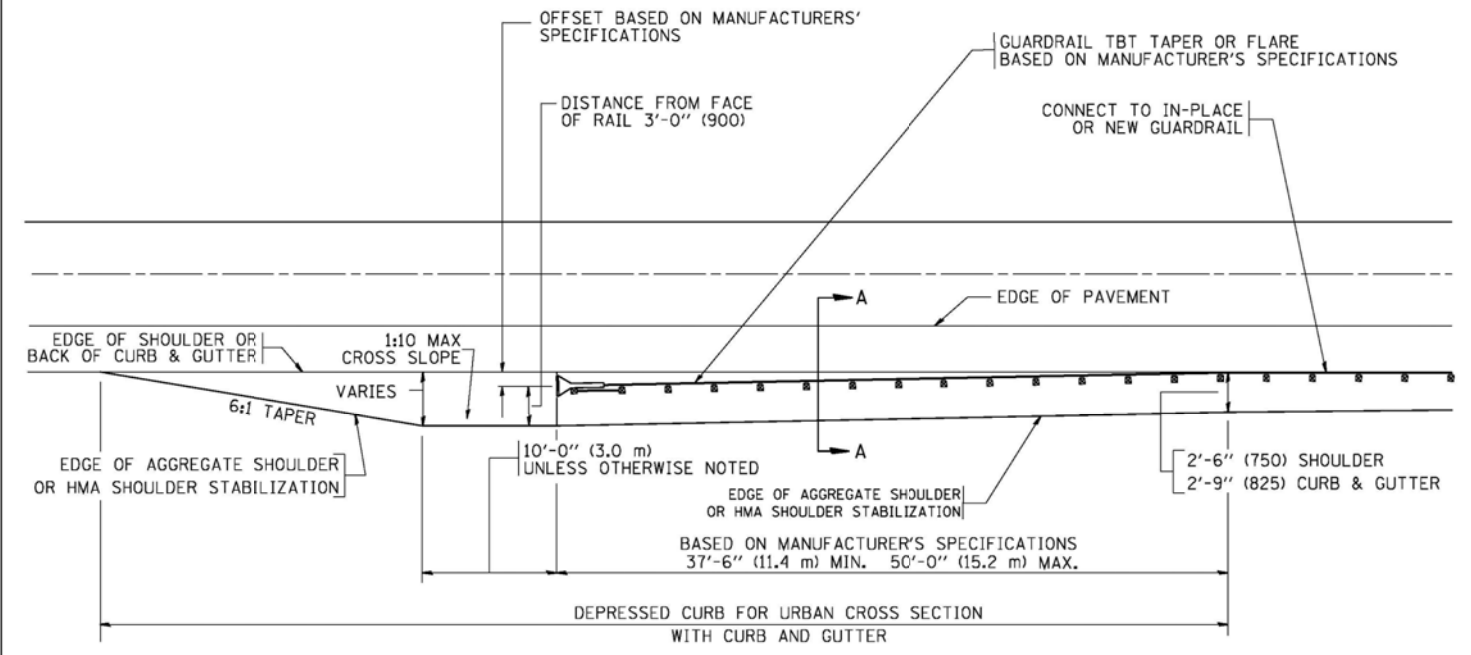
F.A.U. RTE. 55	SECTION 99(1&2)AC-R-3	COUNTY WILL	TOTAL SHEETS 225	SHEET NO. 167
BD400-05 BD32		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

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

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



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

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

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

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - M. DE YONG	REVISED - E. GOMEZ 08-28-00
es:\pw\work\PIWIDD\DRIVAKOSGN\d8108315\bd634.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 49.9999" / IN.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 9/21/2009	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR DEPRESSED CURB &amp; GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL.</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

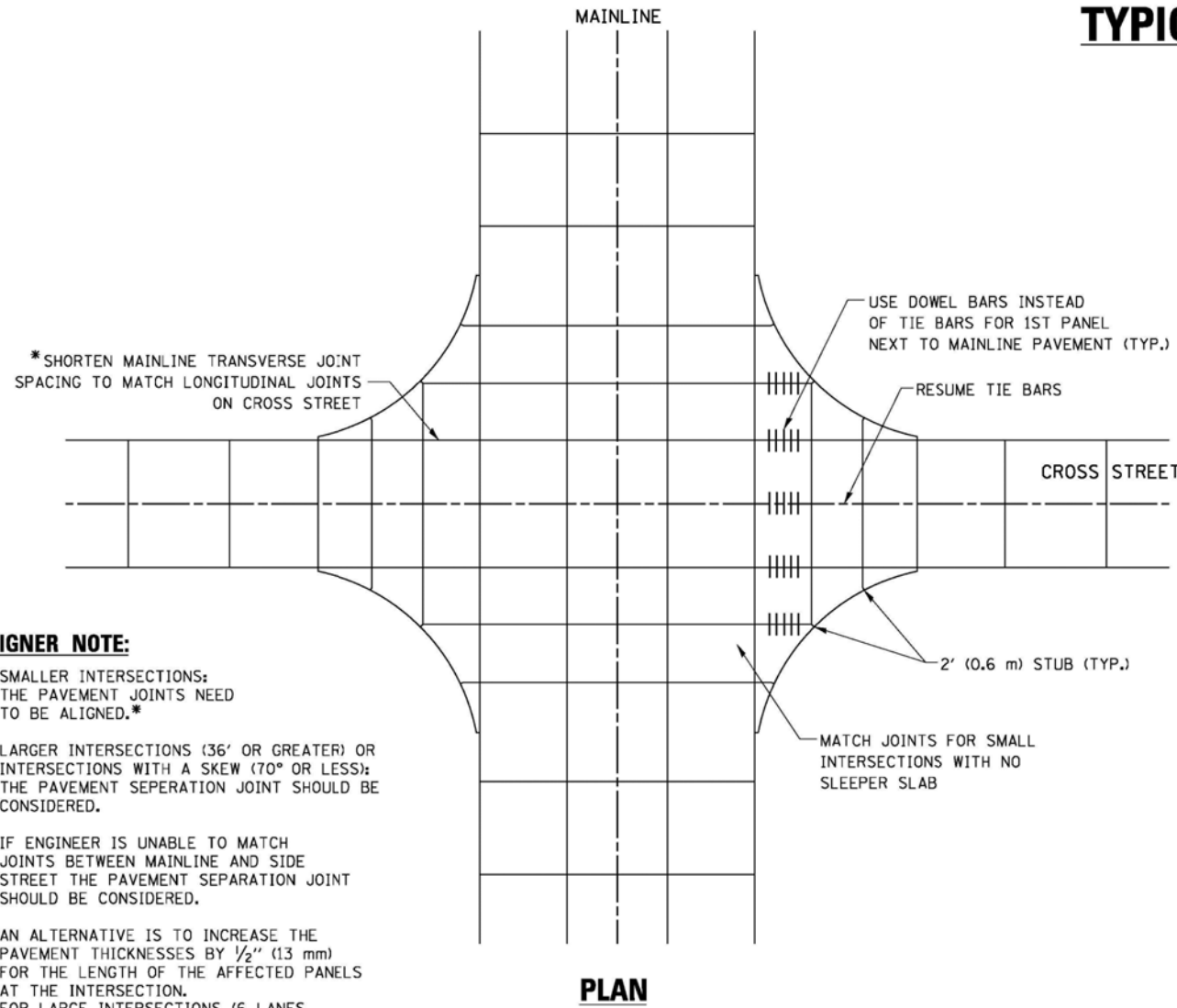
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	991&21AC-R-3	WILL	225	168
<b>BD600-10 (BD 34)</b>		CONTRACT NO.	60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





# TYPICAL APPLICATION

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

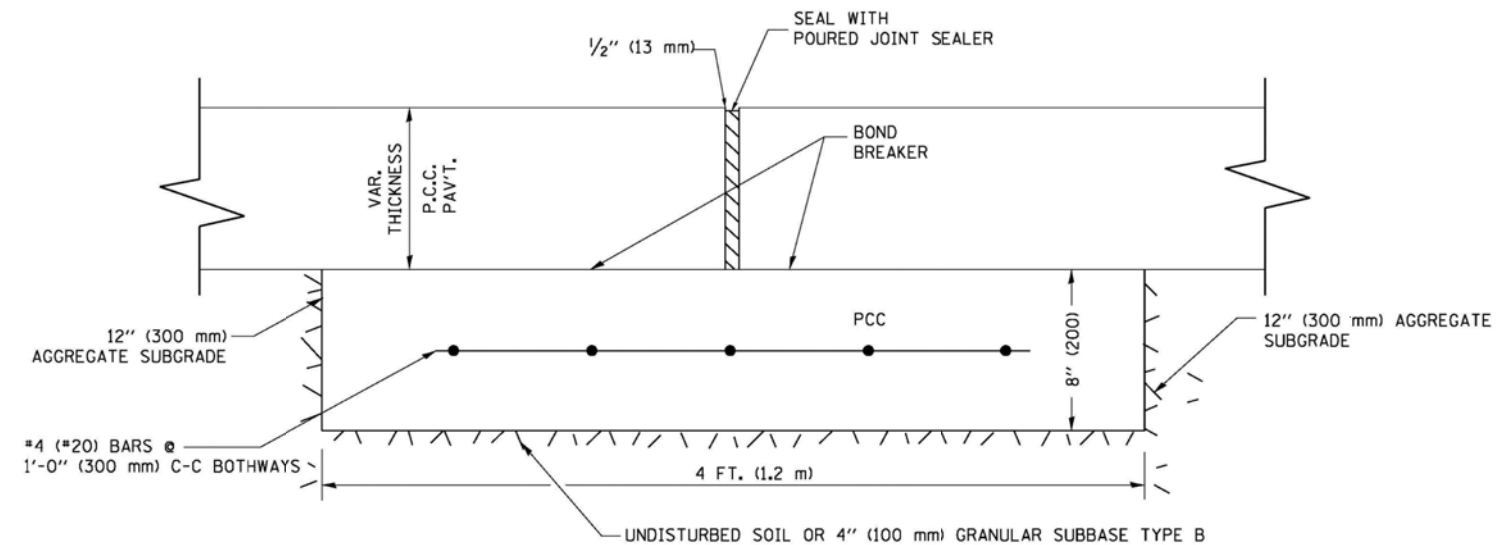
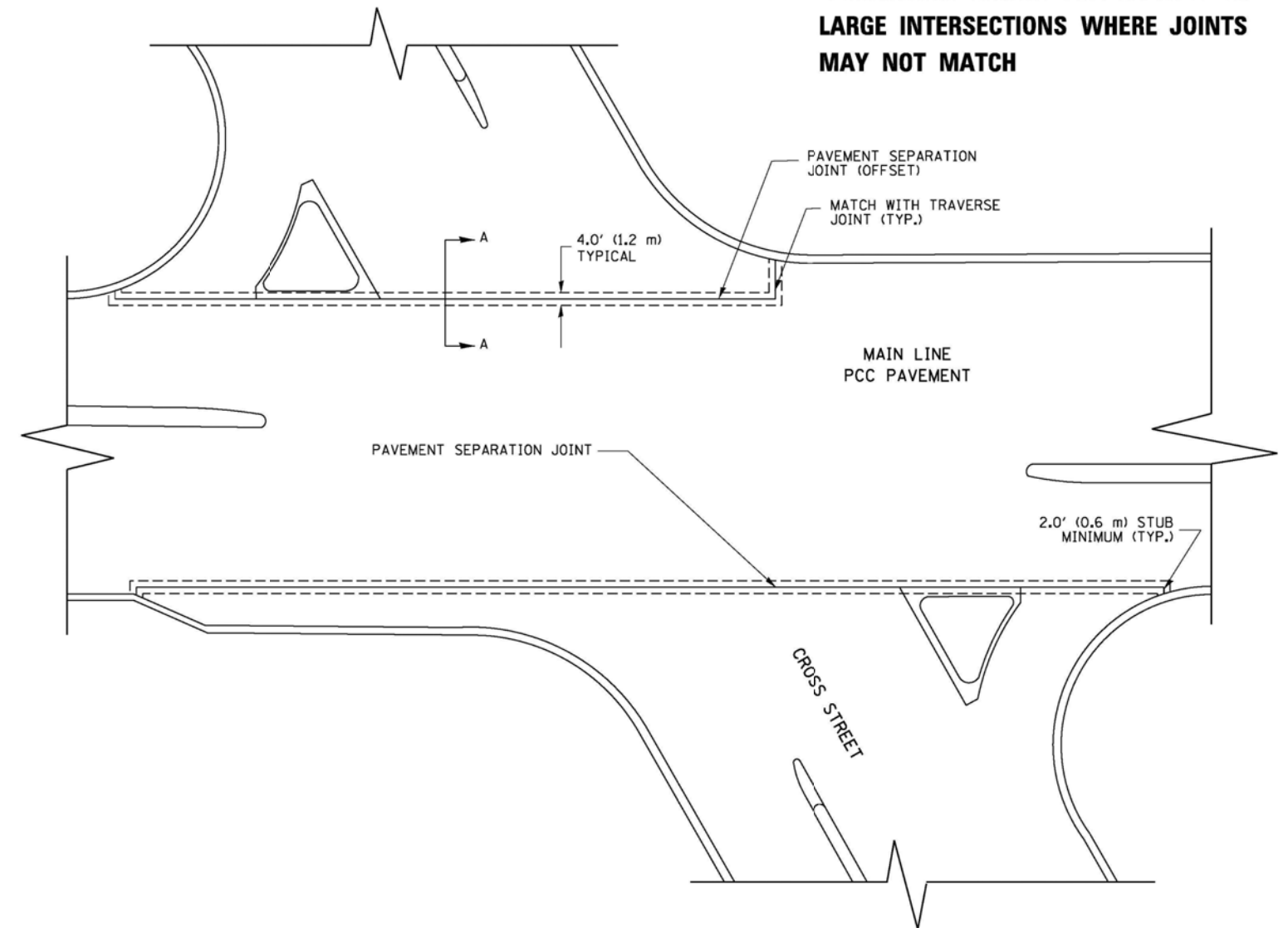


**DESIGNER NOTE:**

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

**NOTE:**

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



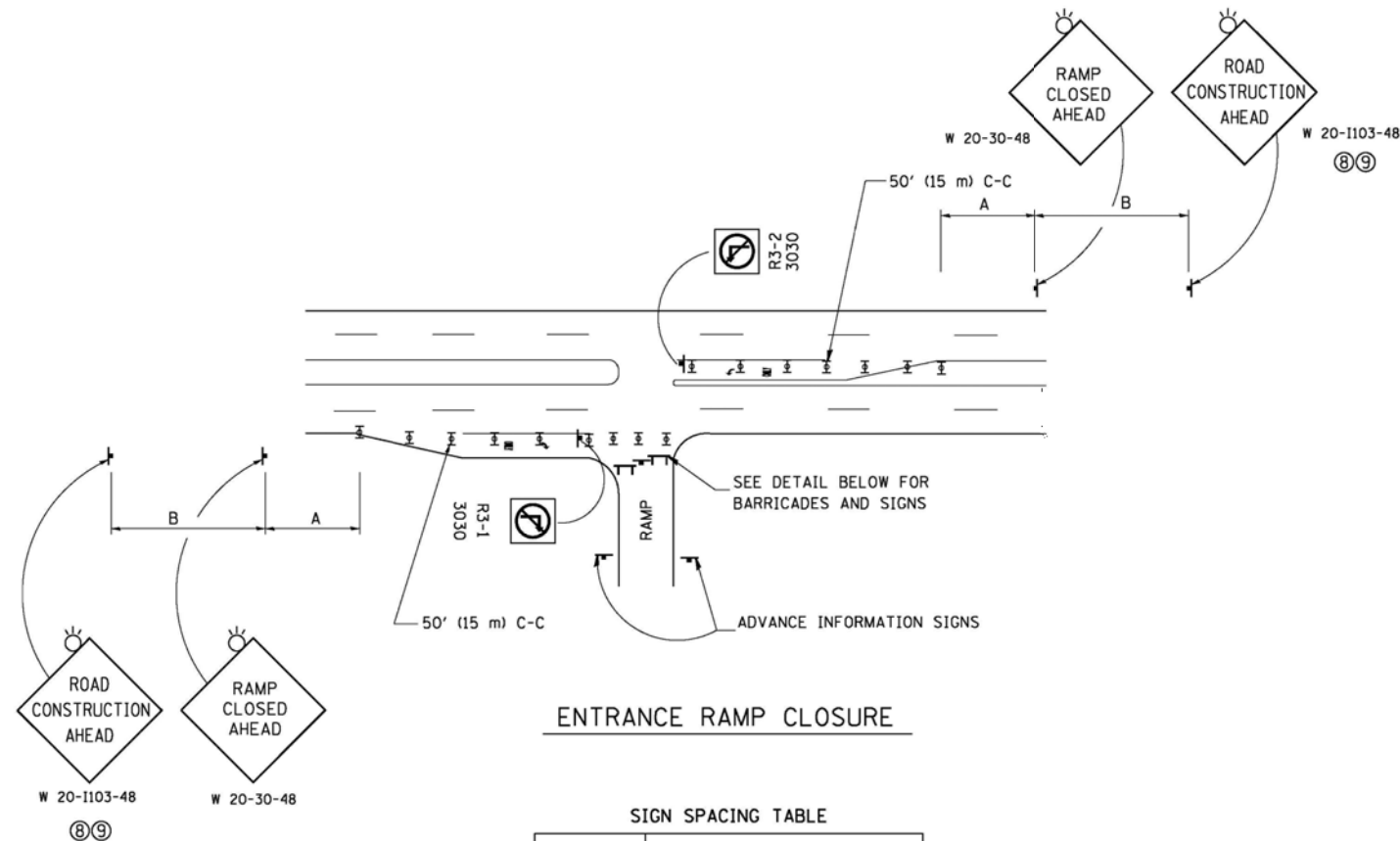
**PROPOSED SECTION A-A**

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bd52.dgn		DRAWN -	REVISED -
	PLOT SCALE = 49.9999' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/26/2011	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD52			CONTRACT NO. 60130	
ILLINOIS FED. AID PROJECT				

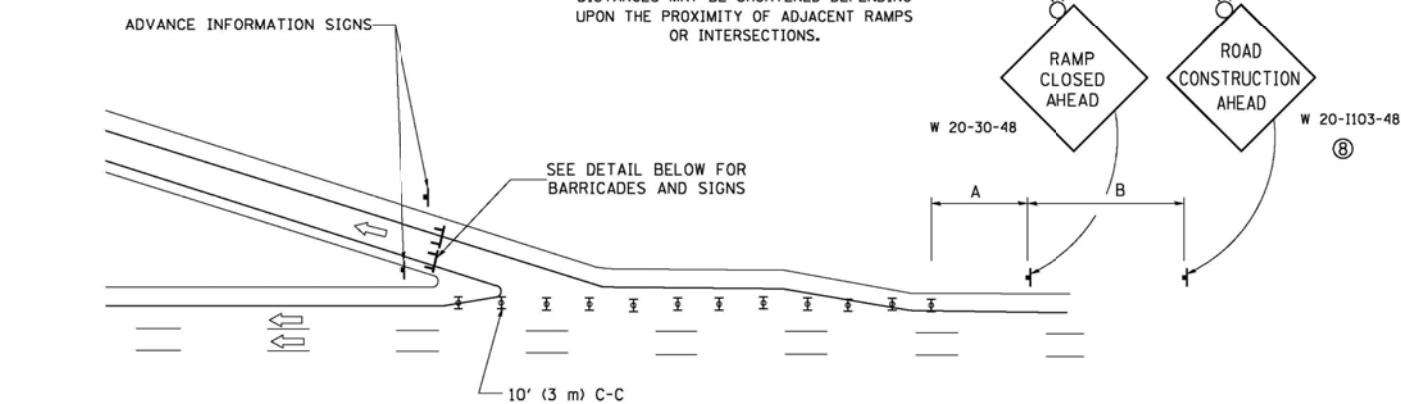


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

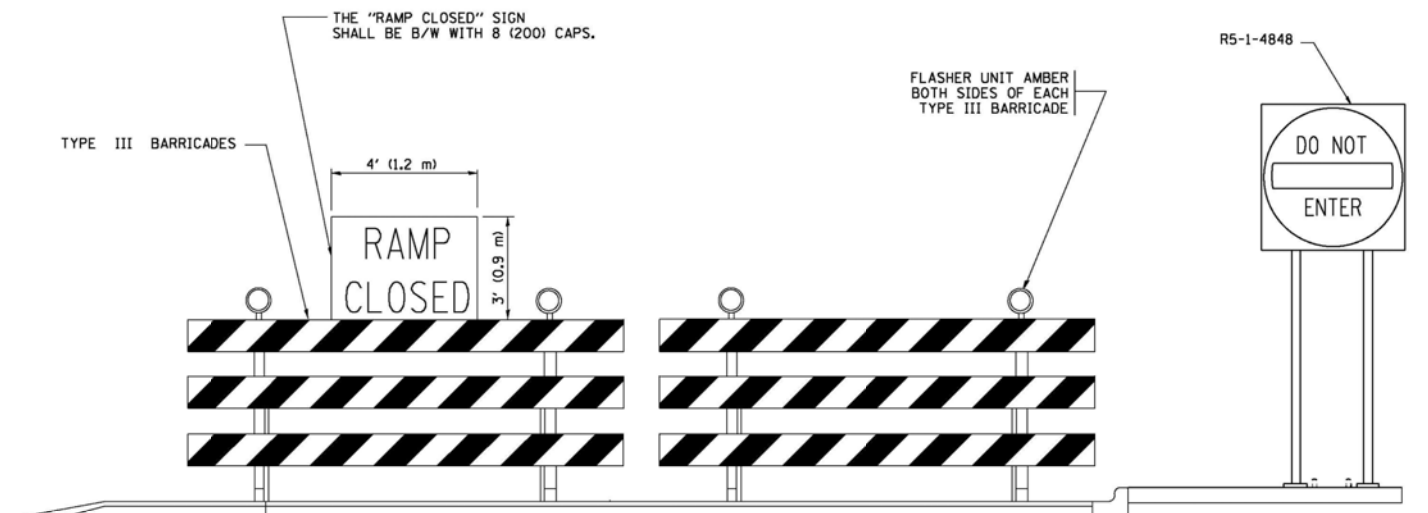
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

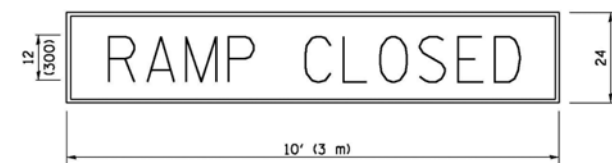
**SYMBOLS**

- ☒ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ☒ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



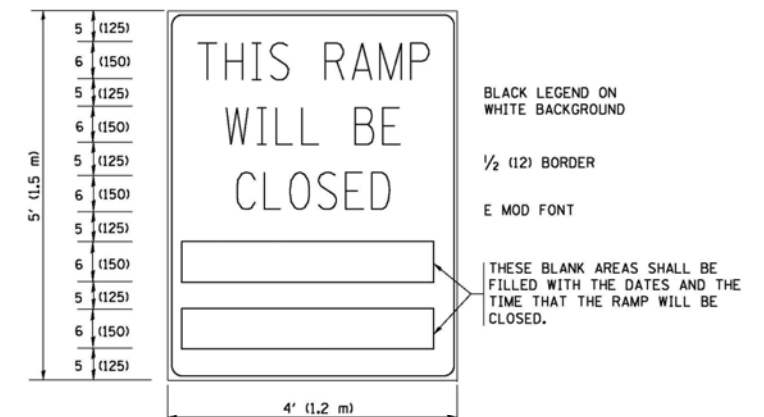
**DETAIL FOR REQUIRED BARRICADES & SIGNS**

**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND  
1/2 (12) BORDER  
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

FILE NAME =	USER NAME = Footemj	DESIGNED - DWS	REVISED - JAF 02-06
as\pw_work\pwidat\Footemj\d0108315\to06.dgn		DRAWN -	REVISED - SPB 01-07
	PLOT SCALE = 58.000' / 1" =	CHECKED -	REVISED - SPB 12-09
	PLOT DATE = 7/8/2013	DATE - 02-83	REVISED - MD 06-13

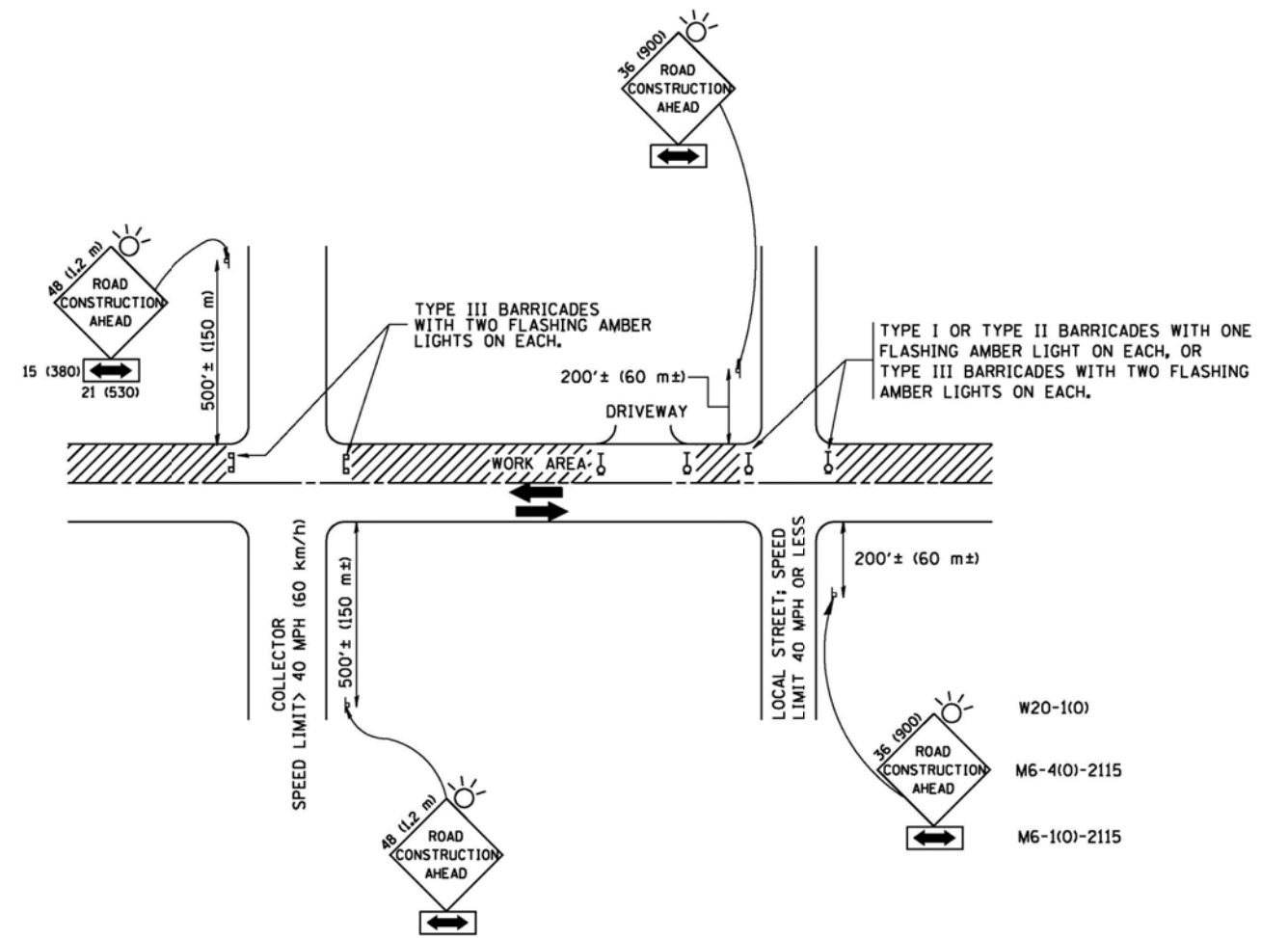
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

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

F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	9911&21AC-R-3	WILL	225	170A
TC-08		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

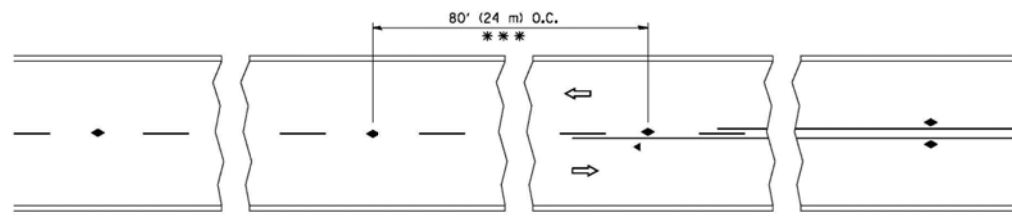
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	PLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2000	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

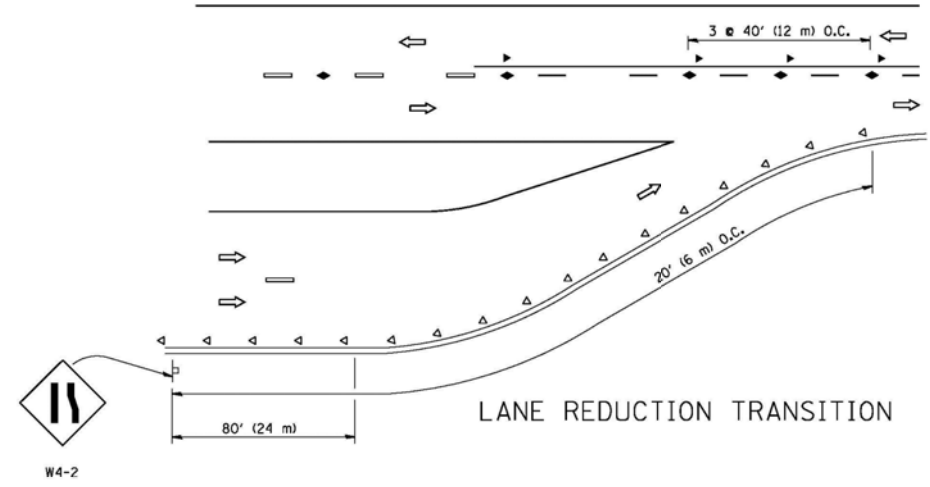
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F.R.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

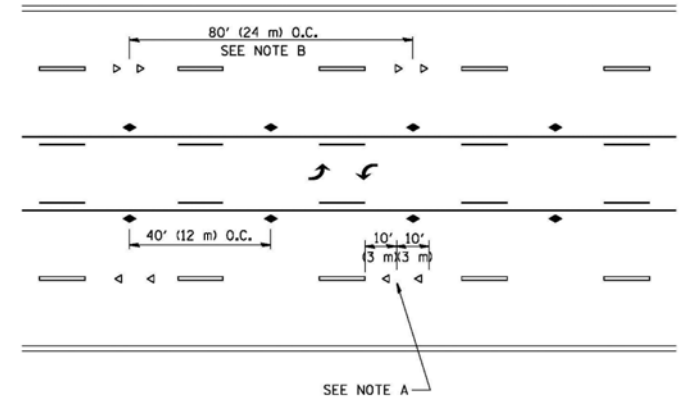


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

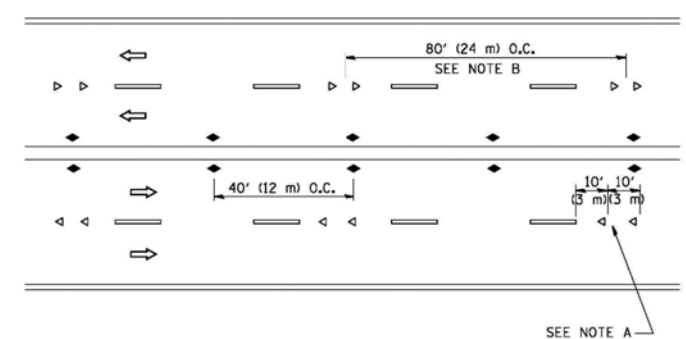
TWO-LANE/TWO-WAY



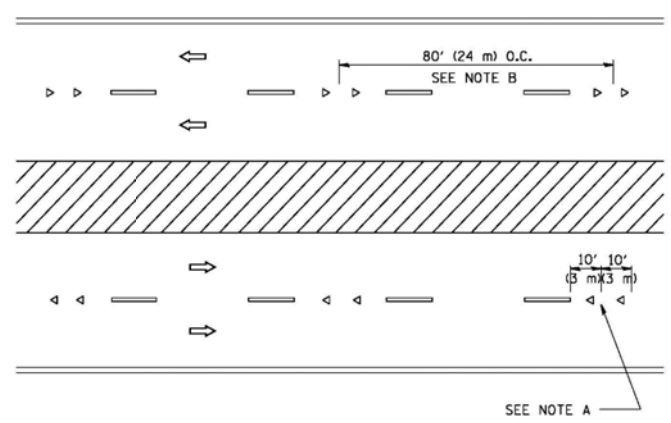
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

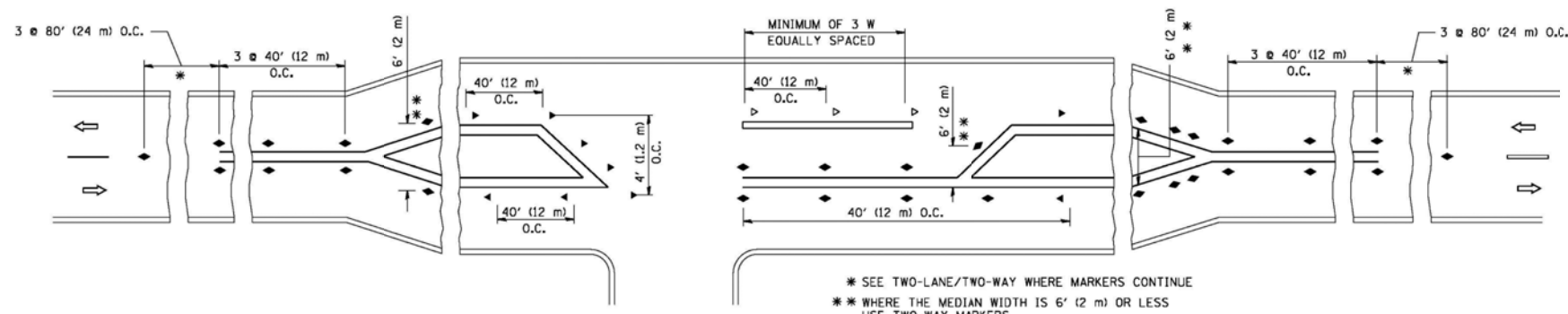
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

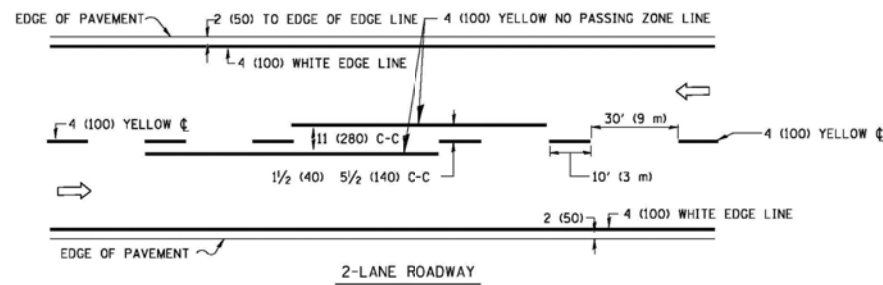
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
c:\pw\work\pwidot\drivakosgn\d0108315\td1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

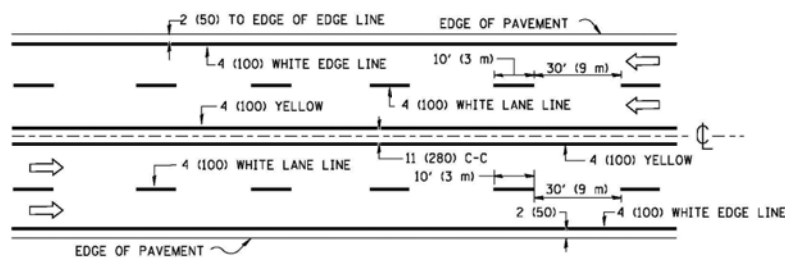
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

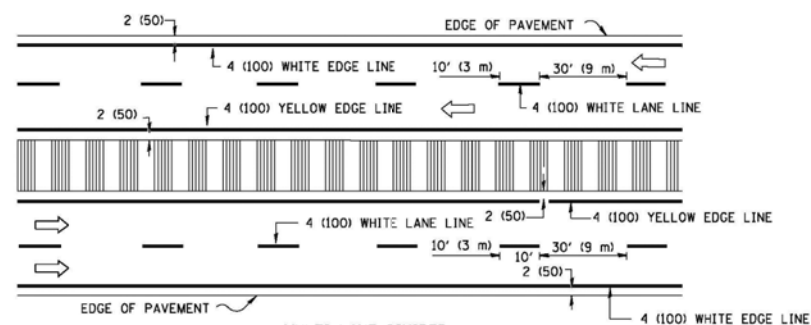
FED. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	172
TC-11			CONTRACT NO. 60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



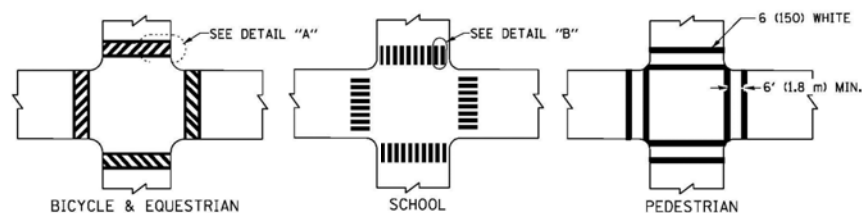
MULTI-LANE UNDIVIDED



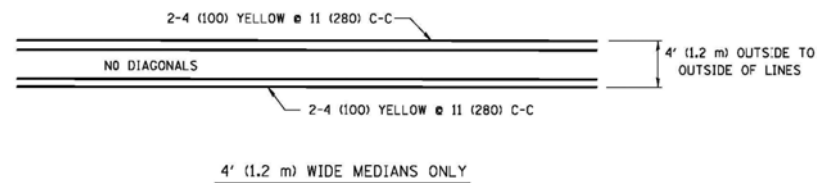
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

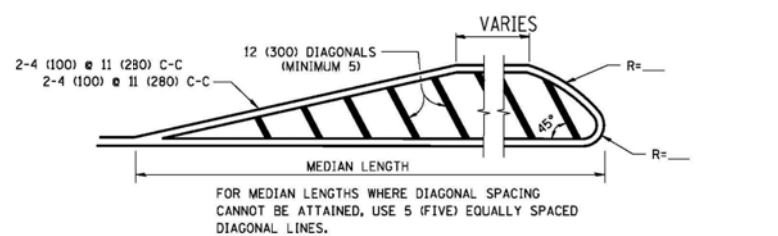
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

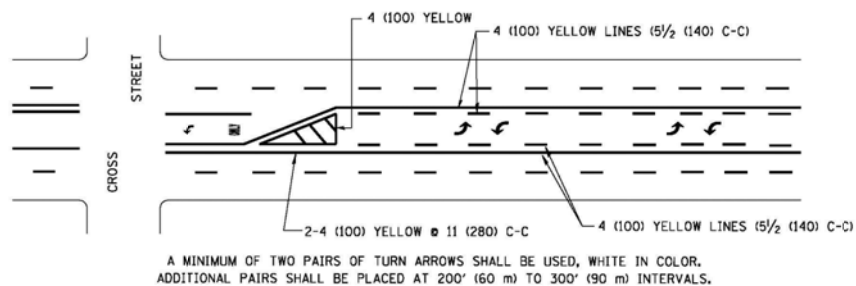


4' (1.2 m) WIDE MEDIANS ONLY



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

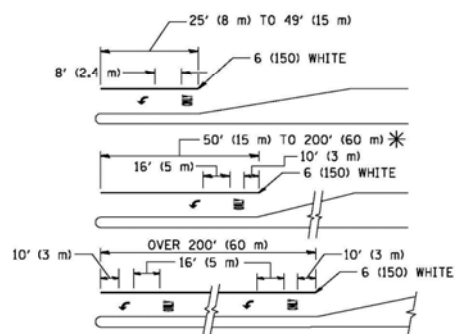
MEDIANS OVER 4' (1.2 m) WIDE



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

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

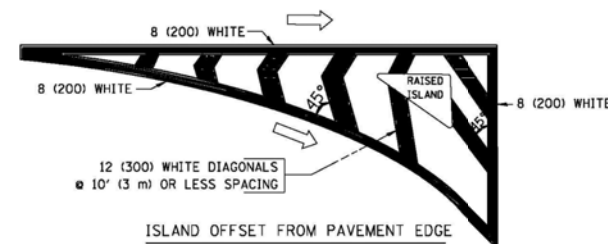


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

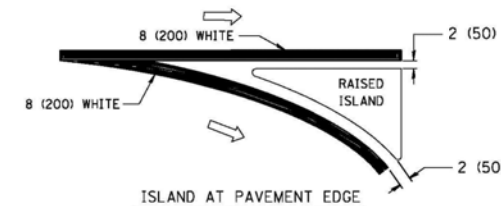
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
LANE LINES	5 (125) ON FREEWAYS	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
TWO WAY LEFT TURN MARKING	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
CROSSWALK LINES (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
CROSSWALK LINES (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
PAINTED MEDIANS	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

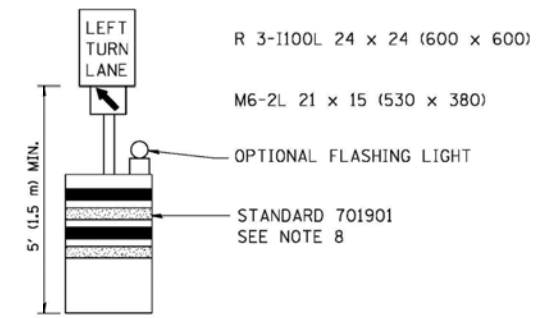
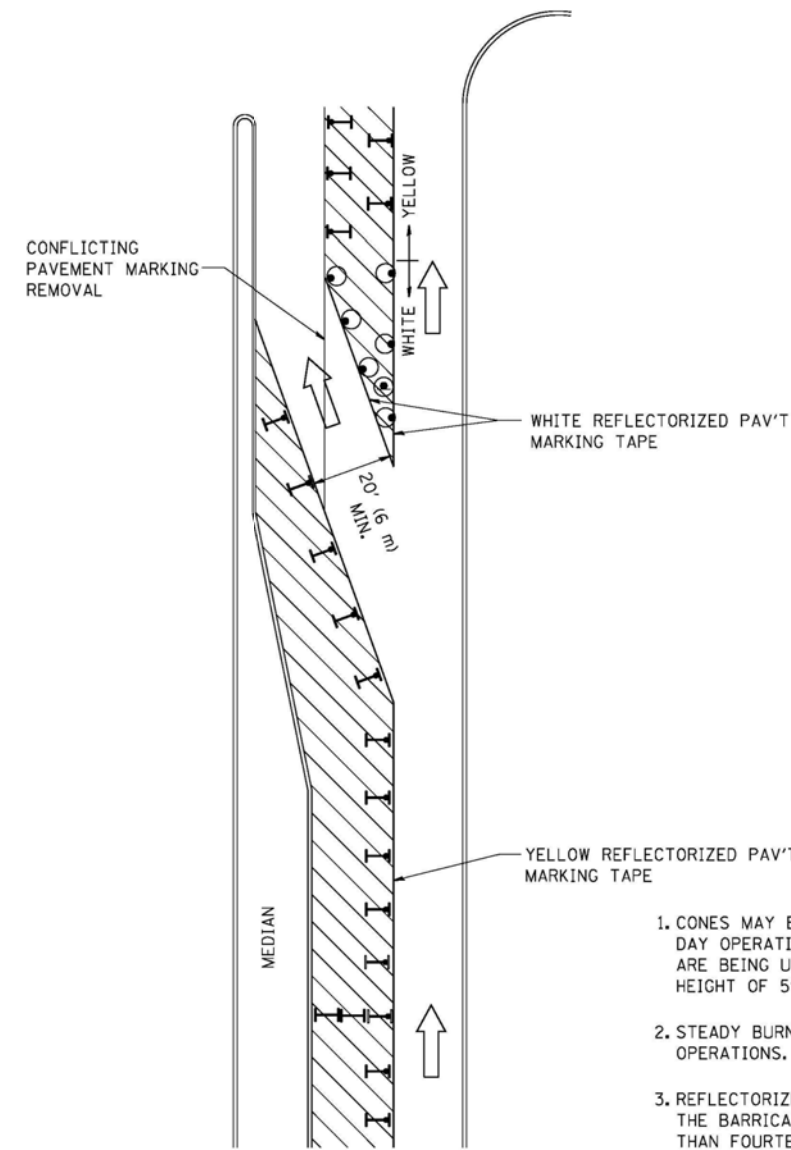
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drvakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
ci:\pw_work\p\wdot\drvakosgn\d0188315\td	3.dgn	DRAWN -	REVISED - C. JUICIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		FED. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		55	991821AC-R-3	WILL	225	173
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		TC-13		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						











**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

**LEGEND**

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

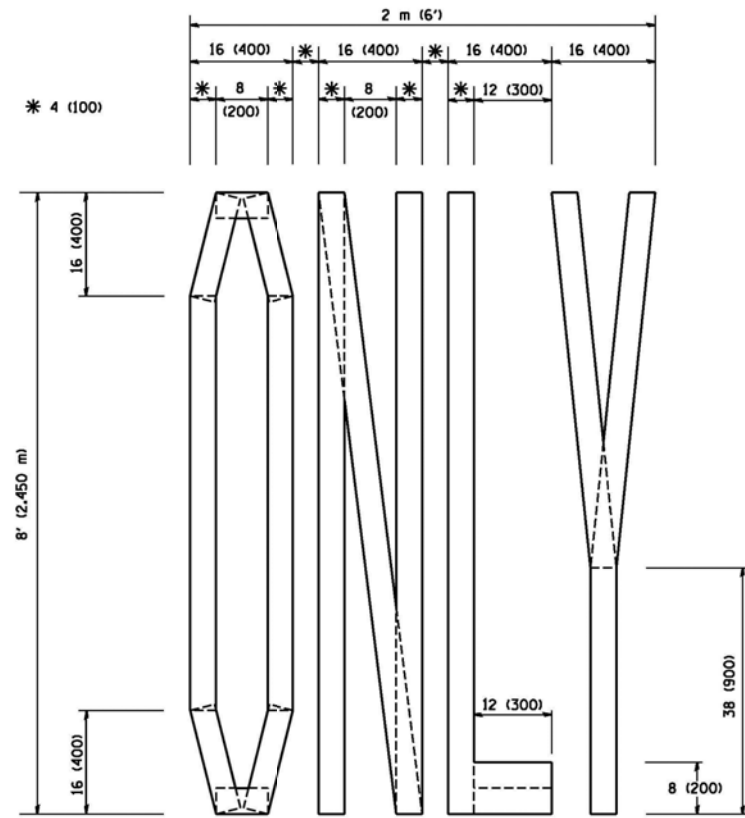
FILE NAME =	USER NAME = drivakosgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
ci:\pw\work\FW100T\DRIVAKOSGN\d0100315\14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
		REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT SCALE = 49.9999' / IN.		REVISED - T. RAMMACHER 01-06-00	REVISED -
PLOT DATE = 9/14/2009			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

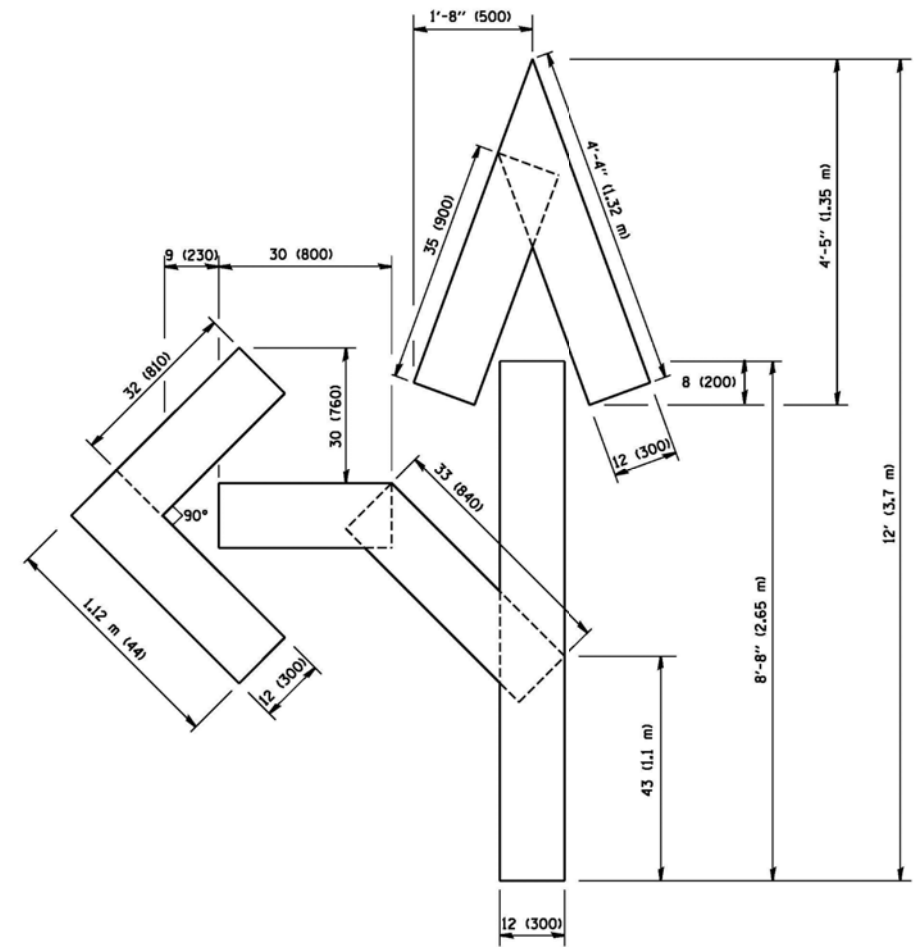
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

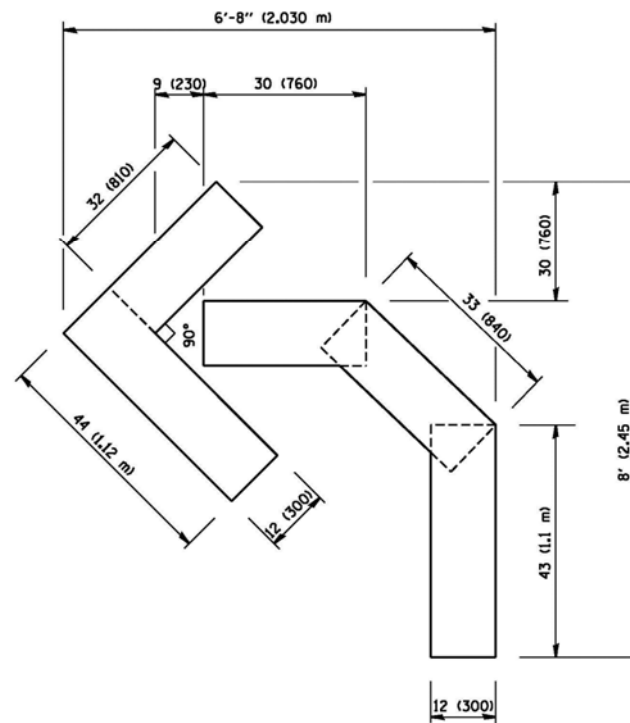
FED. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	174
<b>TC-14</b>		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\to16.dgn	USER NAME = geglennobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000" / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

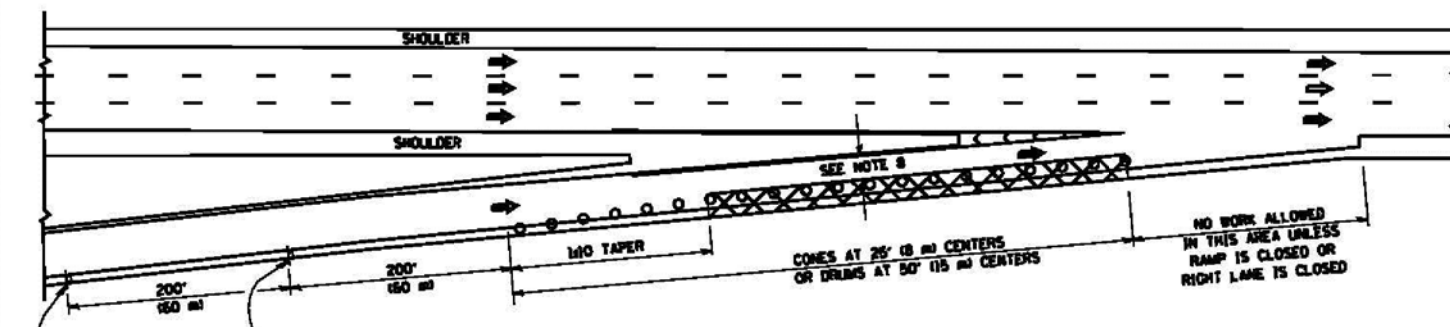
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

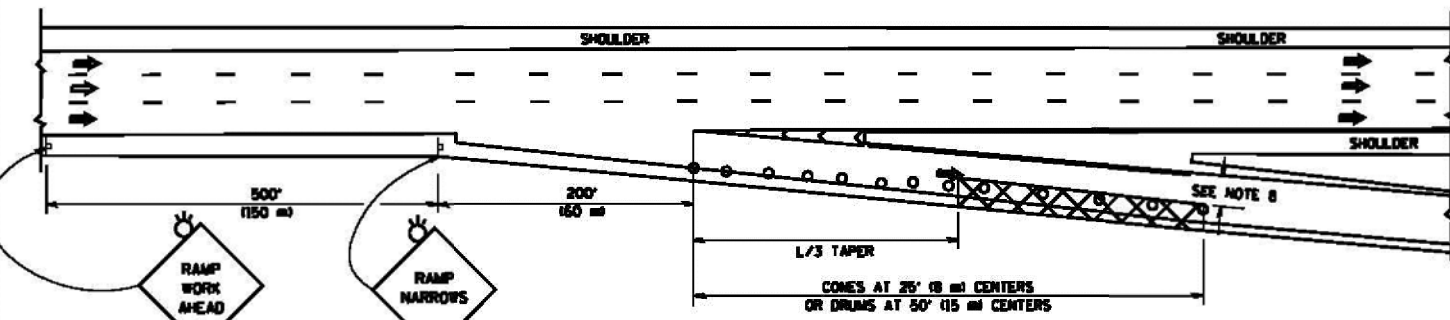
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILLI	225	175
TC-16		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

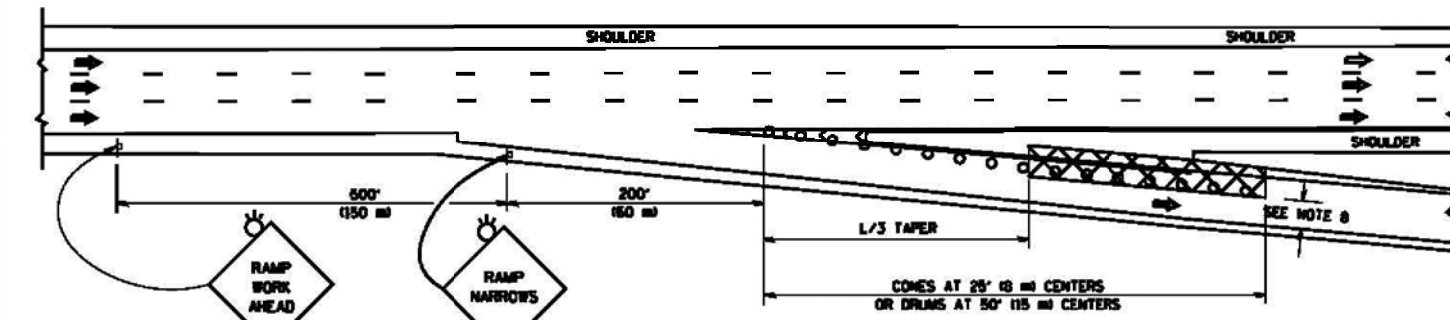
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

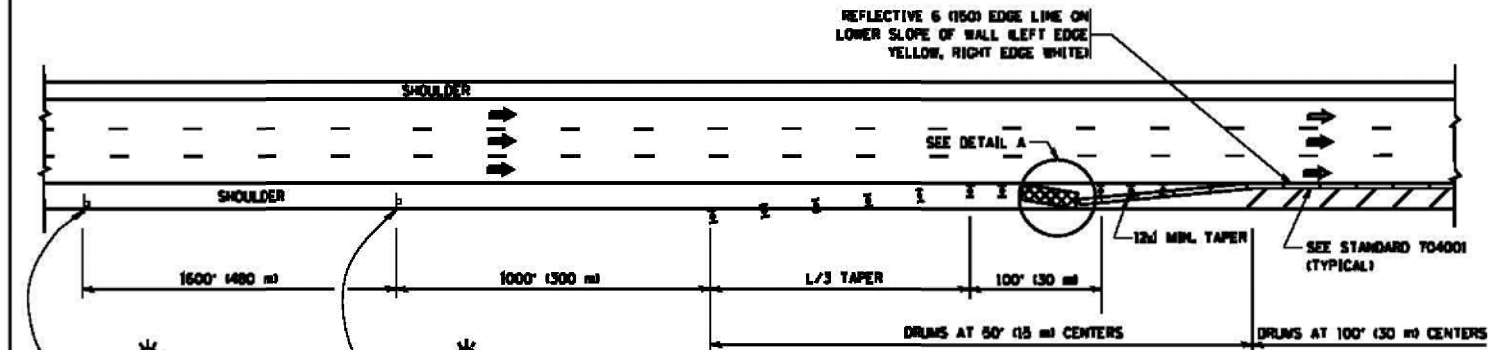
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES**

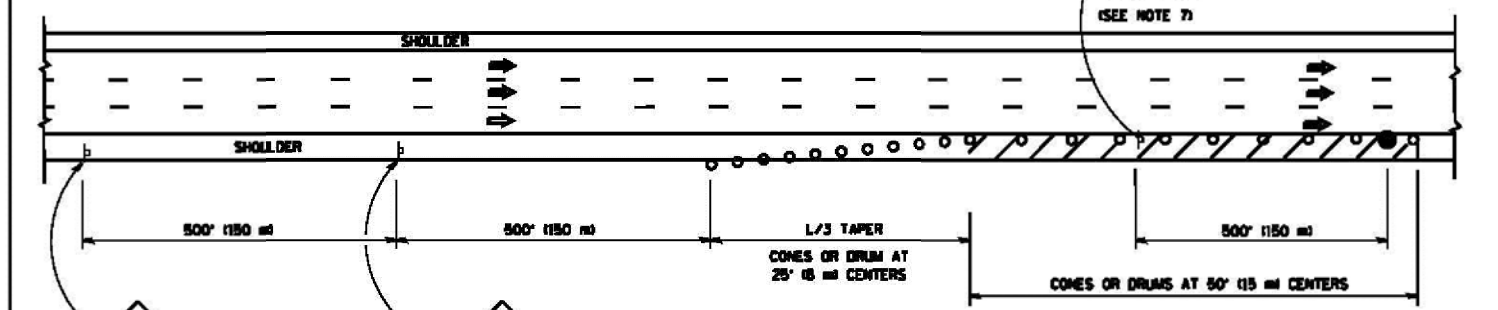
1. THE "L" DISTANCE EQUALS:
 

SPEED LIMIT	FORMULAS
45 mph (80 km/hr) OR GREATER	METRIC: $L = 0.66WS$ ENGLISH: $L = WS$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/HR)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

**SHOULDER CLOSURE DETAILS**

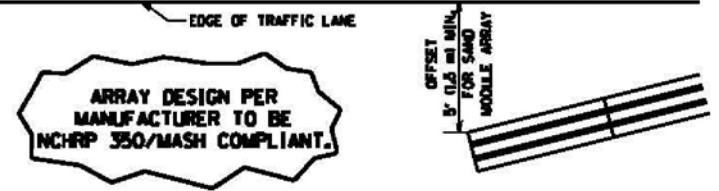


**PERMANENT SHOULDER CLOSURE**



**DAYTIME SHOULDER CLOSURE**

THIS DETAIL IS USED WHERE:  
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



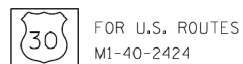
**DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRDACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12" MIN. WIDTH TANGENT SECTION  
16" MIN. WIDTH CURVE SECTION.

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

FILE NAME =	USER NAME = lsgoo	DESIGNED - J.A.F. 12-06	REVISED - J.A.F. 12-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>	F.A. RTE. = 55	SECTION = 99(1&2)AC-R-3	COUNTY = WILL	TOTAL SHEETS = 225	SHEET NO. = 176		
on\p...work\p...do\l...g...d\0106315\scf7.dgn	PLOT SCALE = 1/8" = 1'-0"	DRAWN - D.W.S.	REVISED - S.P.B. 01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. = 60130	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		
	PLOT DATE = 4/17/2014	CHECKED -	REVISED - S.P.B. 12-09									
		DATE = 11-96	REVISED - M.D. 06-13									

**ROUTE MARKERS**



FOR U.S. ROUTES  
M1-40-2424



FOR ILLINOIS ROUTES  
M1-50-2424



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

**ARROWS SIGNS**



M5-1L-2115



M5-1R-2115



M6-1-2115



M6-1-2115



M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**



M3-1-2412



M3-2-2412



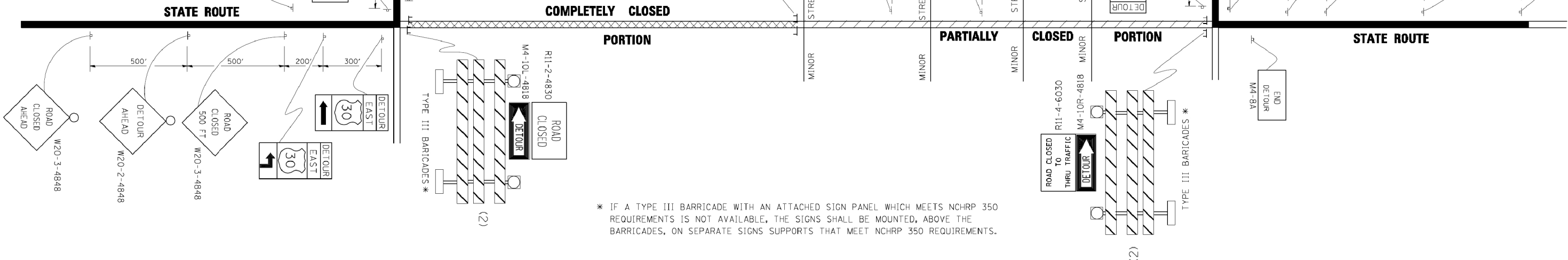
M3-3-2412



M3-4-2412



M4-8-2412



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

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
cs:\p\work\PW100T\DRIVAKOSGN\d8108315\121.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		PLOT SCALE = 49.9999' / IN.	REVISED -
		PLOT DATE = 9/14/2009	REVISED -

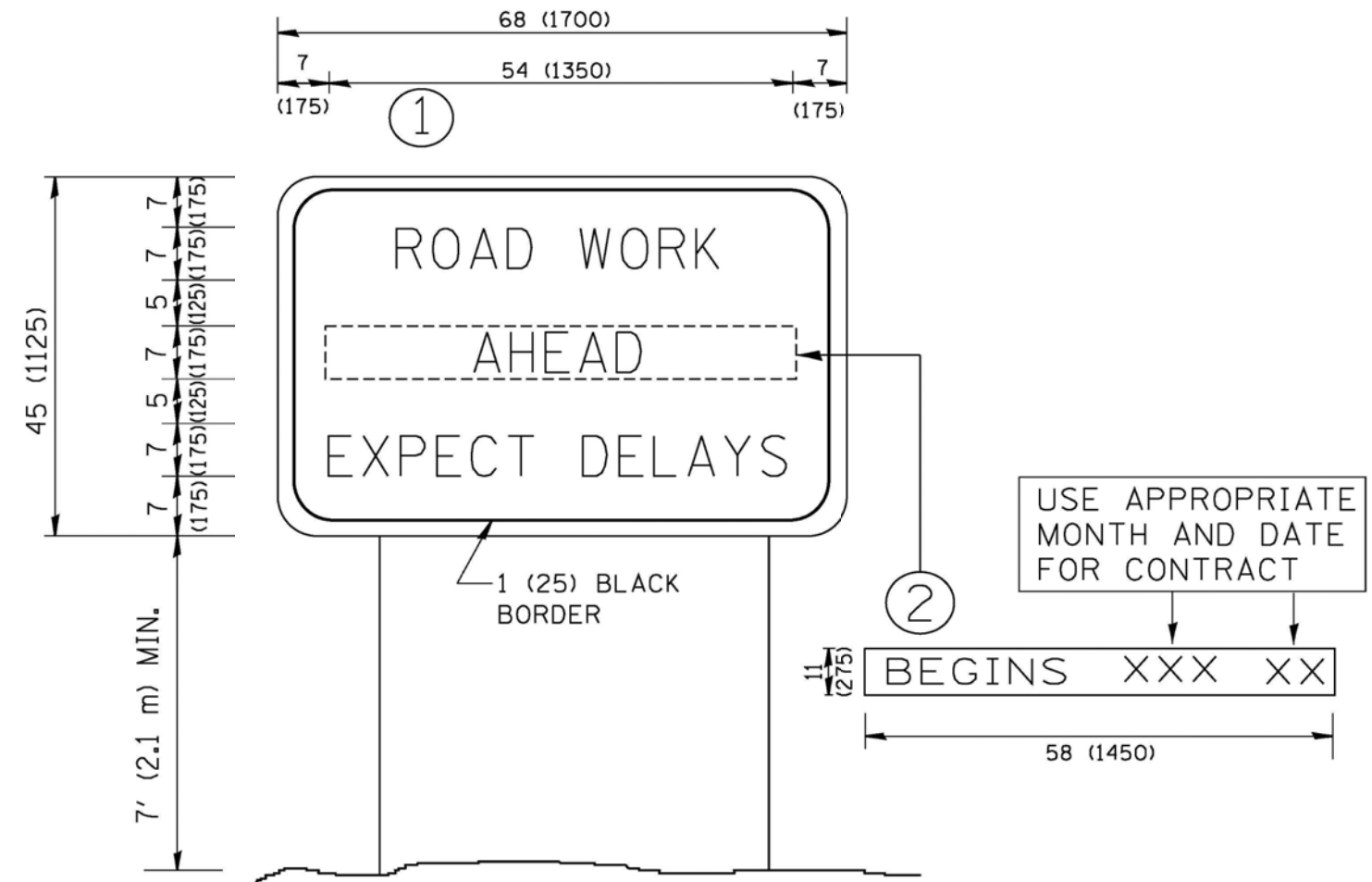
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING  
FOR CLOSING STATE HIGHWAYS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	177
TC-21		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

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

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

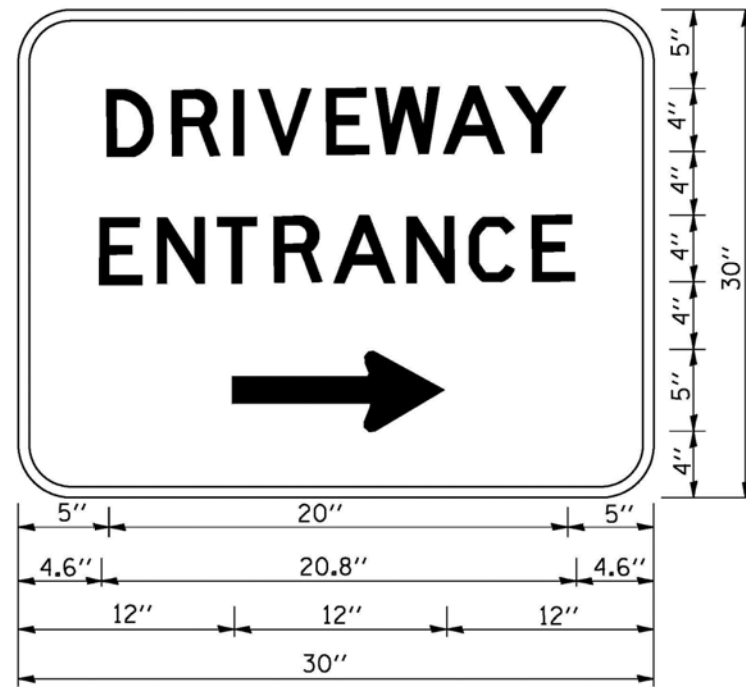
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		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / 1IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F&A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	178
TC-22		CONTRACT NO. 60130		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

**NOTES:**

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

FILE NAME = W:\diststd\22x34\to26.dgn	USER NAME = goglieno	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

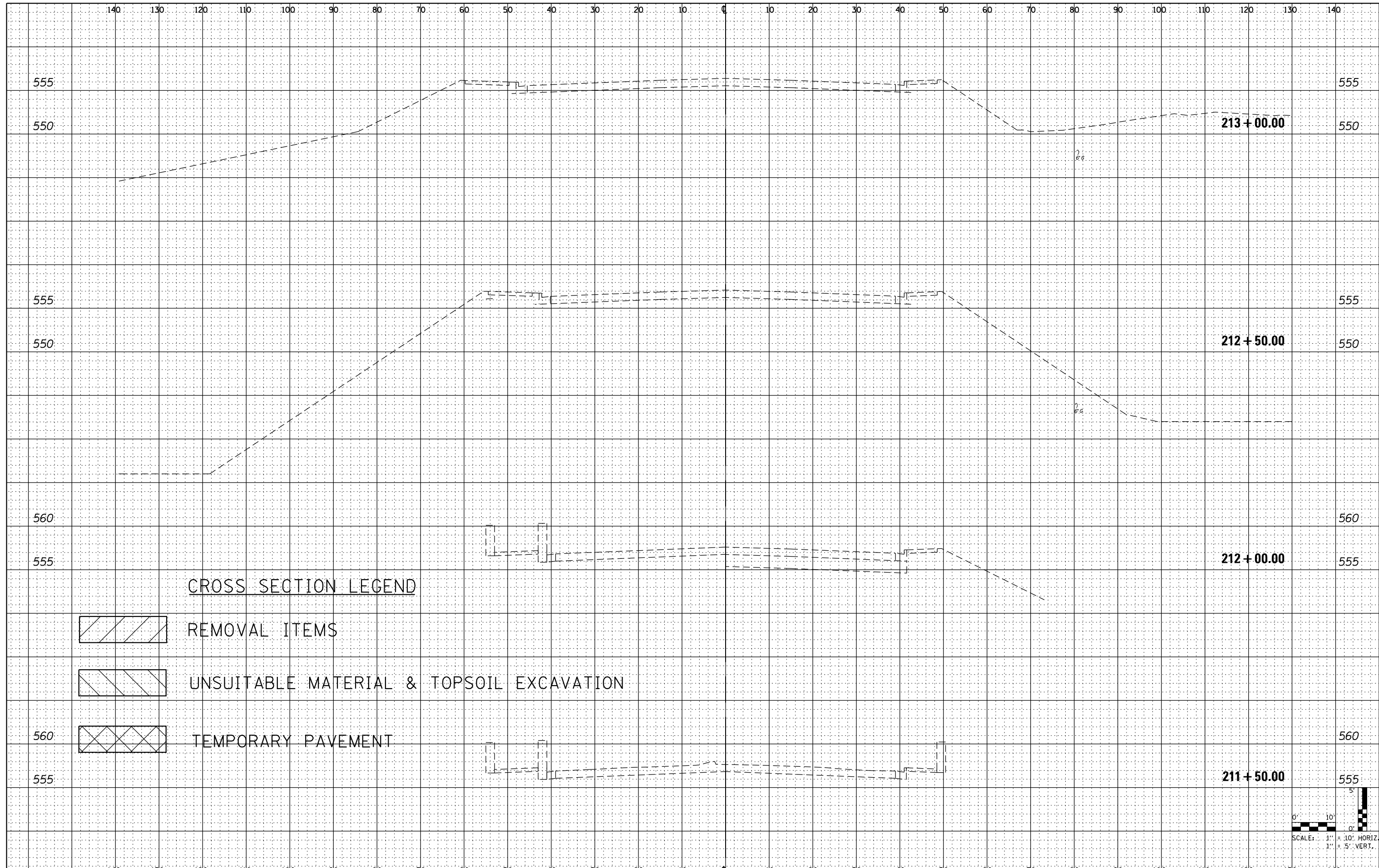
**DRIVEWAY ENTRANCE SIGNING**

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

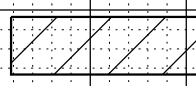
F&A RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	179
TC-26			CONTRACT NO. 60130	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

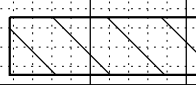
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	



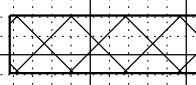
**CROSS SECTION LEGEND**



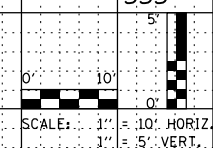
REMOVAL ITEMS



UNSUITABLE MATERIAL & TOPSOIL EXCAVATION



TEMPORARY PAVEMENT



FILE NAME = D160130-sht-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1\"/>

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED	- S.J.P.	REVISED	-
DRAWN	- B.K.	REVISED	-
CHECKED	- M.P.	REVISED	-
DATE	- JANUARY 15, 2016	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

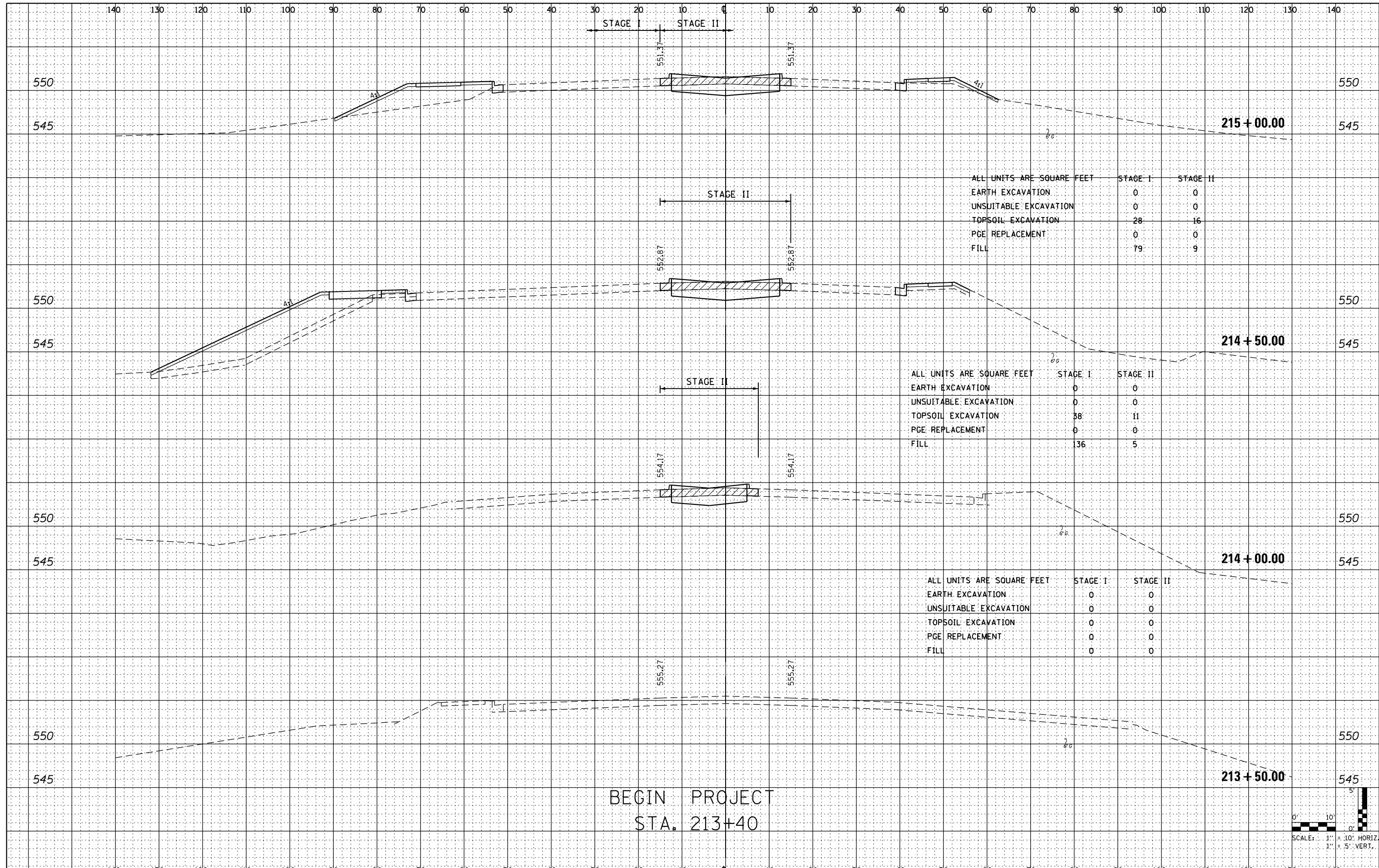
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 1 OF 19 SHEETS STA. 211+50 TO STA. 213+00

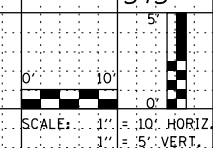
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	180
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



BEGIN PROJECT  
STA. 213+40



FILE NAME = D160130-shr-US6.dgn  
PLOT DATE = 1/16/2016  
PLOT SCALE = 20.0000' / 1"

**CR**  
**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
221 NORTH LASALLE STREET, SUITE 300  
CHICAGO, ILLINOIS 60601  
PHONE: (312) 577-3300

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

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

**CROSS SECTIONS**  
**U.S. 6**

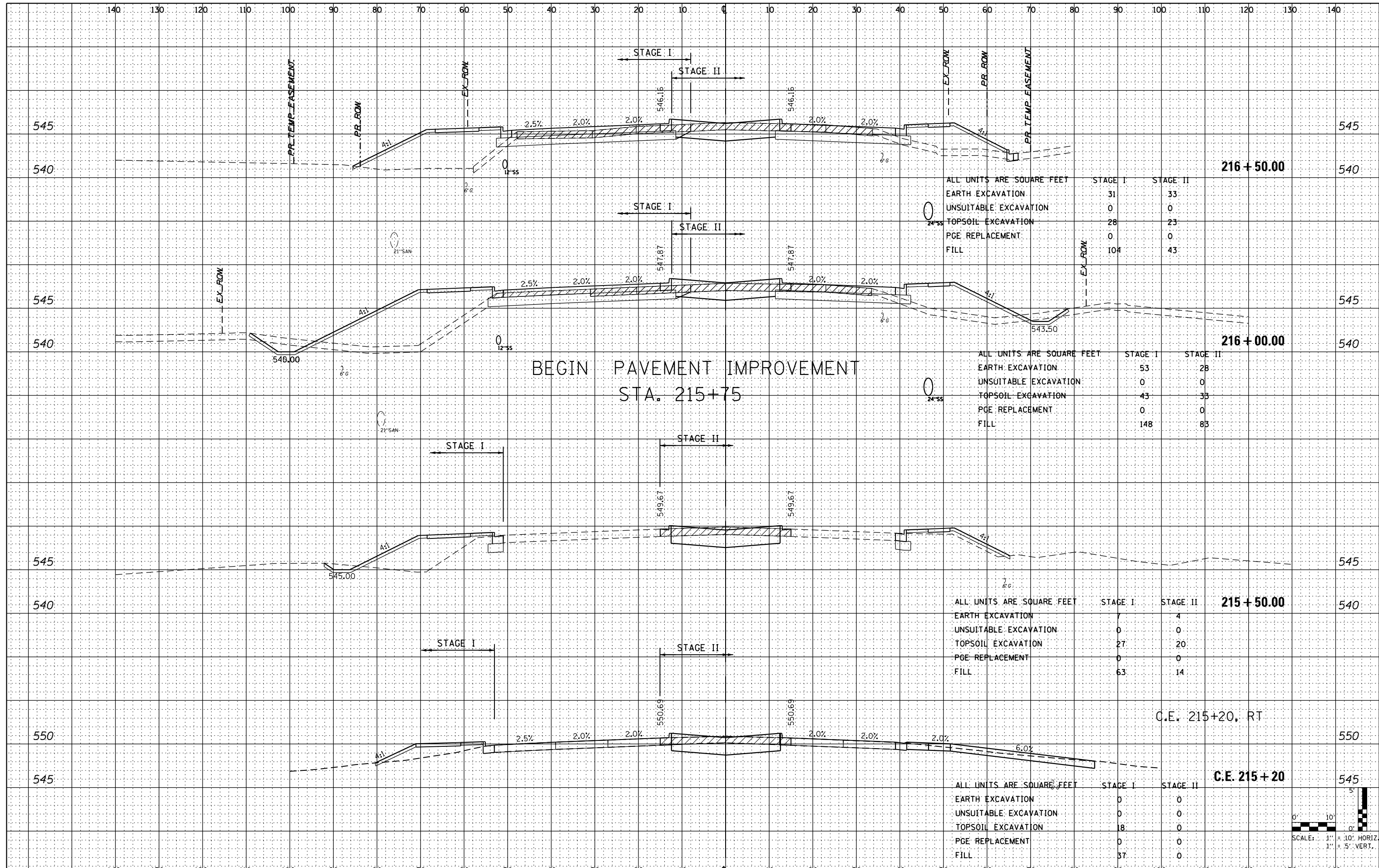
SCALE: 1" = 20' SHEET NO. 2 OF 19 SHEETS STA. 213+50 TO STA. 215+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	181
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

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



ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	31	33
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	28	23
PGE REPLACEMENT	0	0
FILL	104	43

ALL UNITS ARE SQUARE FEET

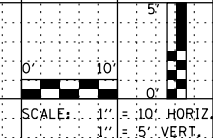
	STAGE I	STAGE II
EARTH EXCAVATION	53	28
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	43	33
PGE REPLACEMENT	0	0
FILL	148	83

ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	7	4
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	27	20
PGE REPLACEMENT	0	0
FILL	63	14

ALL UNITS ARE SQUARE FEET

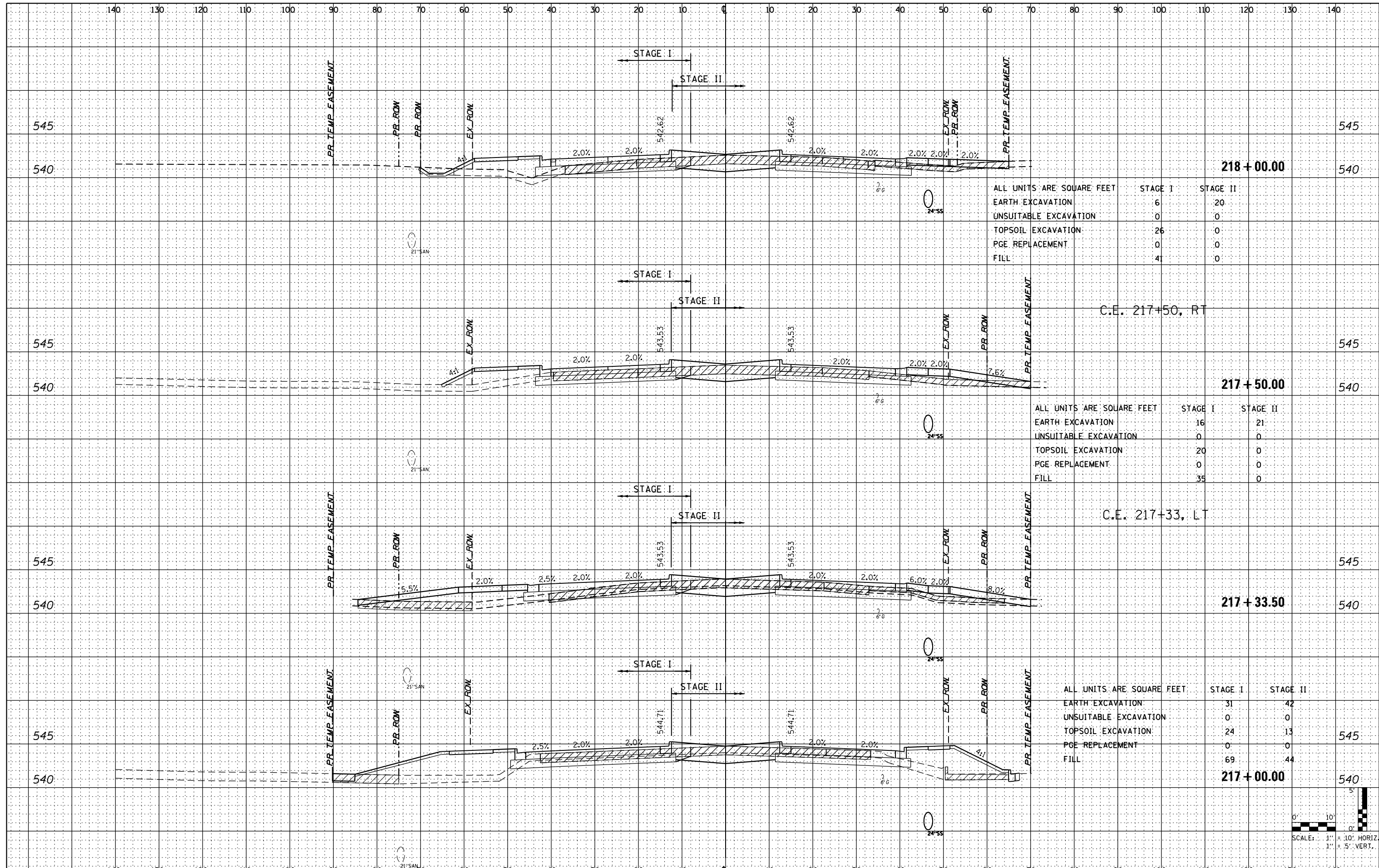
	STAGE I	STAGE II
EARTH EXCAVATION	0	0
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	18	0
PGE REPLACEMENT	0	0
FILL	37	0



**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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 PHONE: (312) 577-3300

DATE	
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NOTE BOOK	
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NO.	

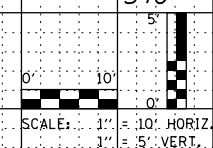
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	6	20
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	26	0
FILL	0	0
	41	0

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	16	21
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	20	0
FILL	0	0
	35	0

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	31	42
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	24	13
FILL	0	0
	69	44



FILE NAME = 0160130-sht-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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DESIGNED - S.J.P.	REVISED -
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DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

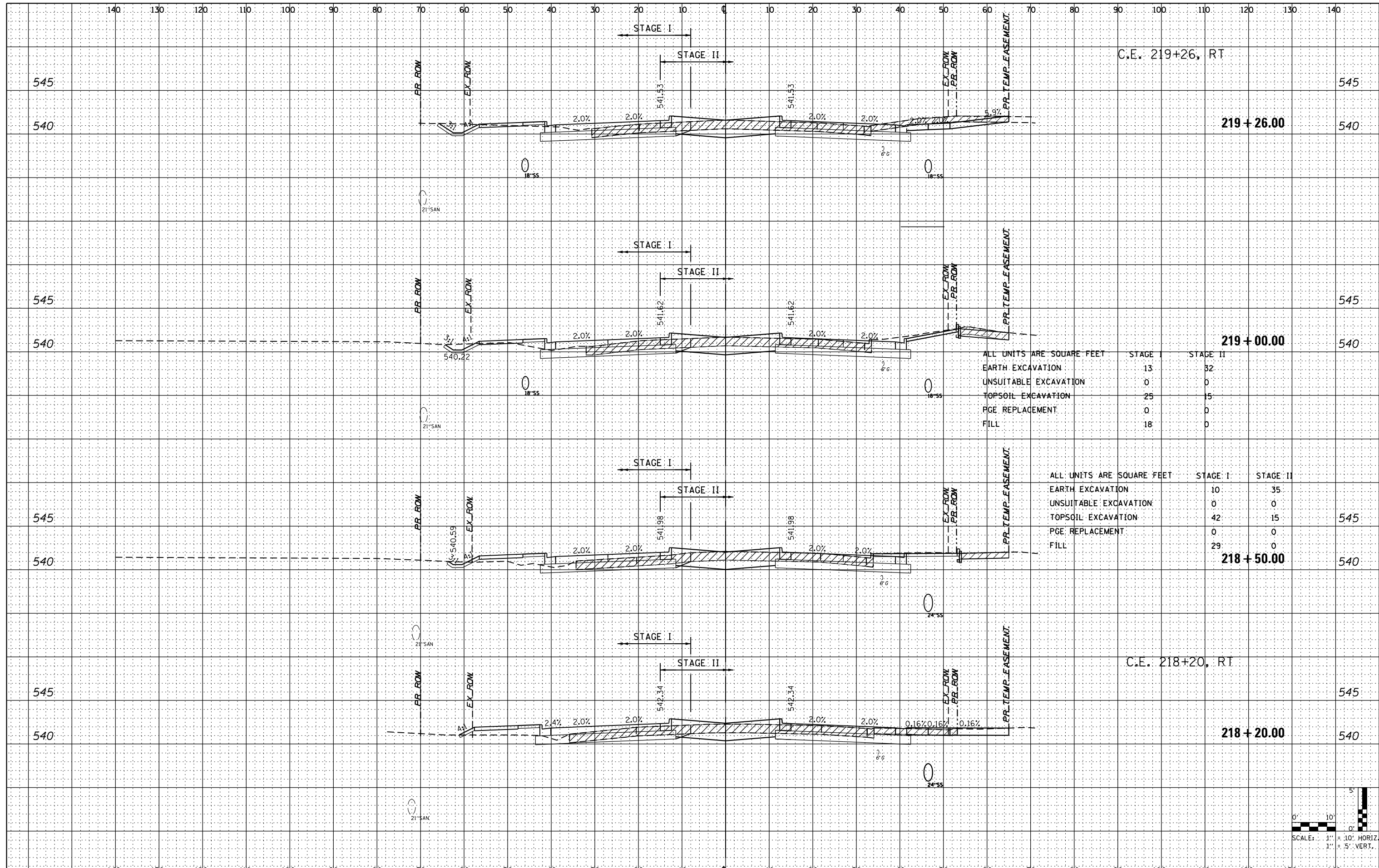
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 4 OF 19 SHEETS STA. 217+00 TO STA. 218+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	183
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

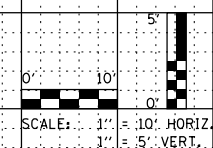


ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	13	32
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	25	15
PGE REPLACEMENT	0	0
FILL	18	0

ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	10	35
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	42	15
PGE REPLACEMENT	0	0
FILL	29	0



FILE NAME = 0160130-shr-US6.dgn  
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 PLOT SCALE = 20.0000' / 1\"/>

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DATE - JANUARY 15, 2016	REVISED -

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

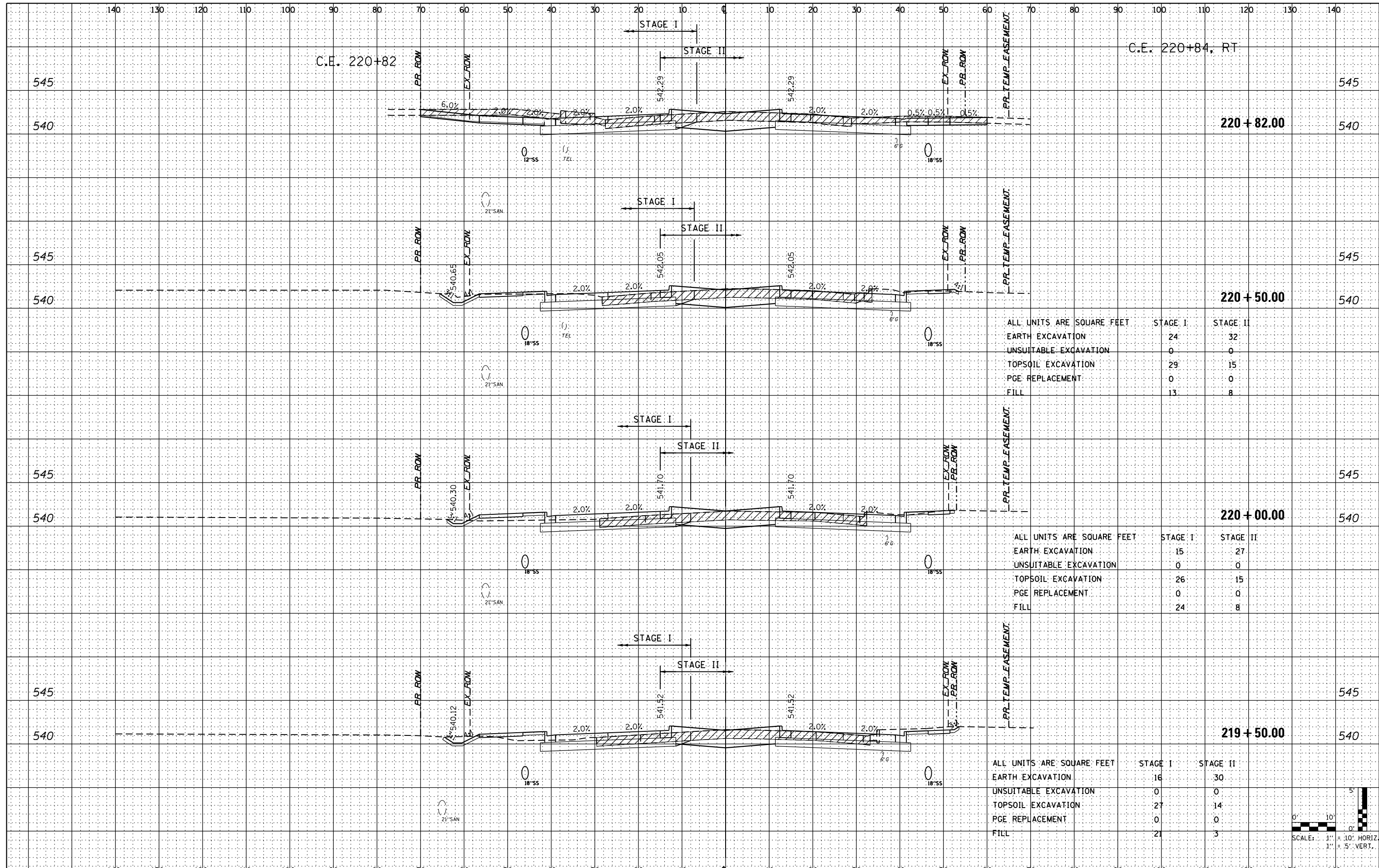
**CROSS SECTIONS**  
**U.S. 6**

SCALE: 1" = 20' SHEET NO. 5 OF 19 SHEETS STA. 218+20 TO STA. 219+26

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	184
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

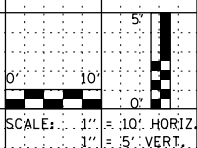
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	24	32
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	29	15
PGE REPLACEMENT	0	0
FILL	13	8

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	15	27
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	26	15
PGE REPLACEMENT	0	0
FILL	24	8

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	16	30
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	27	14
PGE REPLACEMENT	0	0
FILL	21	3



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DRAWN	- B.K.	REVISED	-
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 U.S. 6**

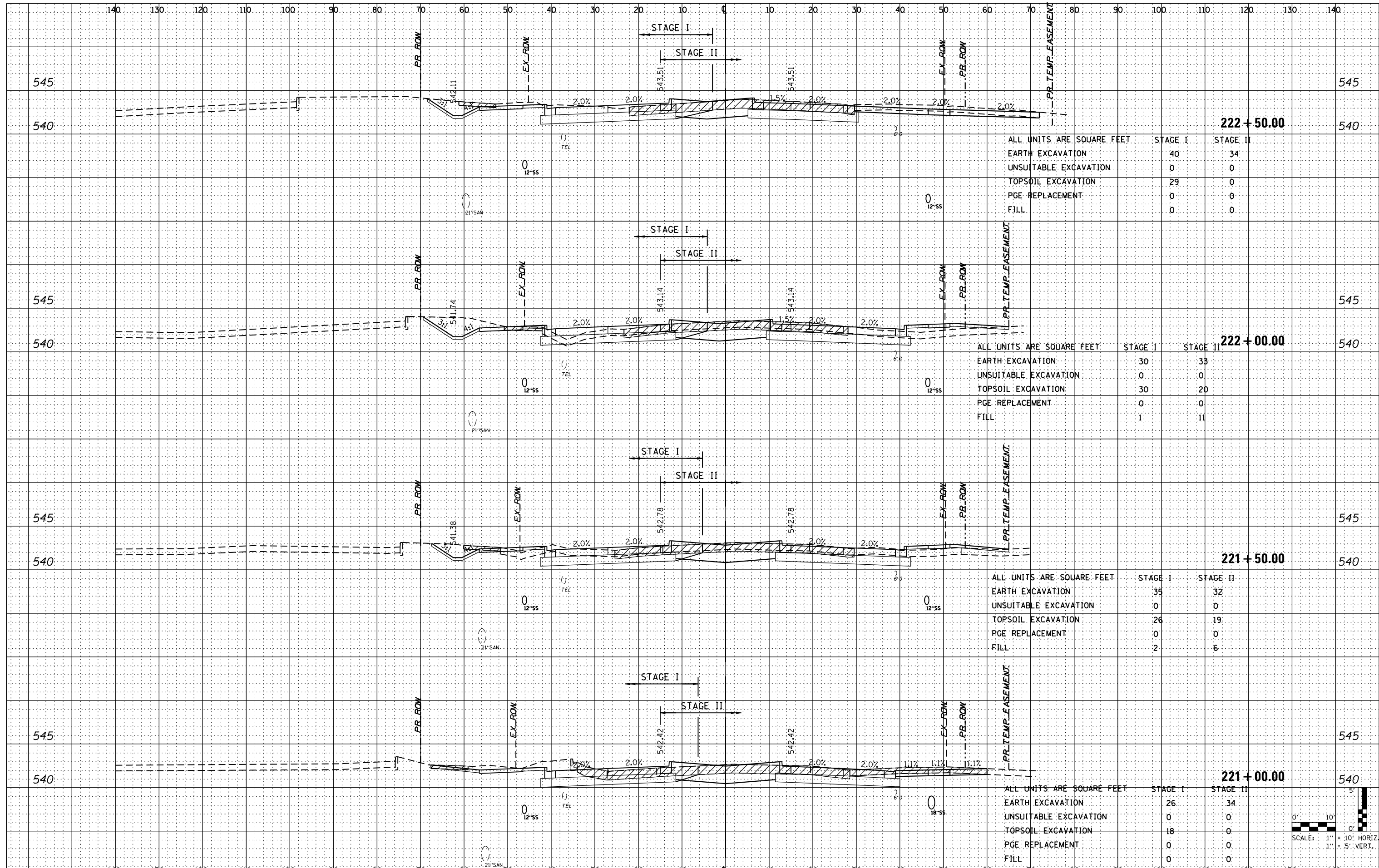
SCALE: 1" = 20'    SHEET NO. 6 OF 19 SHEETS    STA. 219+50    TO STA. 220+82

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	185
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

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

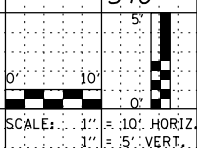


ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		40	34
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		29	0
PGE REPLACEMENT		0	0
FILL		0	0

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		30	33
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		30	20
PGE REPLACEMENT		0	0
FILL		1	11

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		35	32
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		26	19
PGE REPLACEMENT		0	0
FILL		2	6

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		26	34
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		18	0
PGE REPLACEMENT		0	0
FILL		0	0



FILE NAME = 0160130-sht-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED	- S.J.P.	REVISED	-
DRAWN	- B.K.	REVISED	-
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DATE	- JANUARY 15, 2016	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

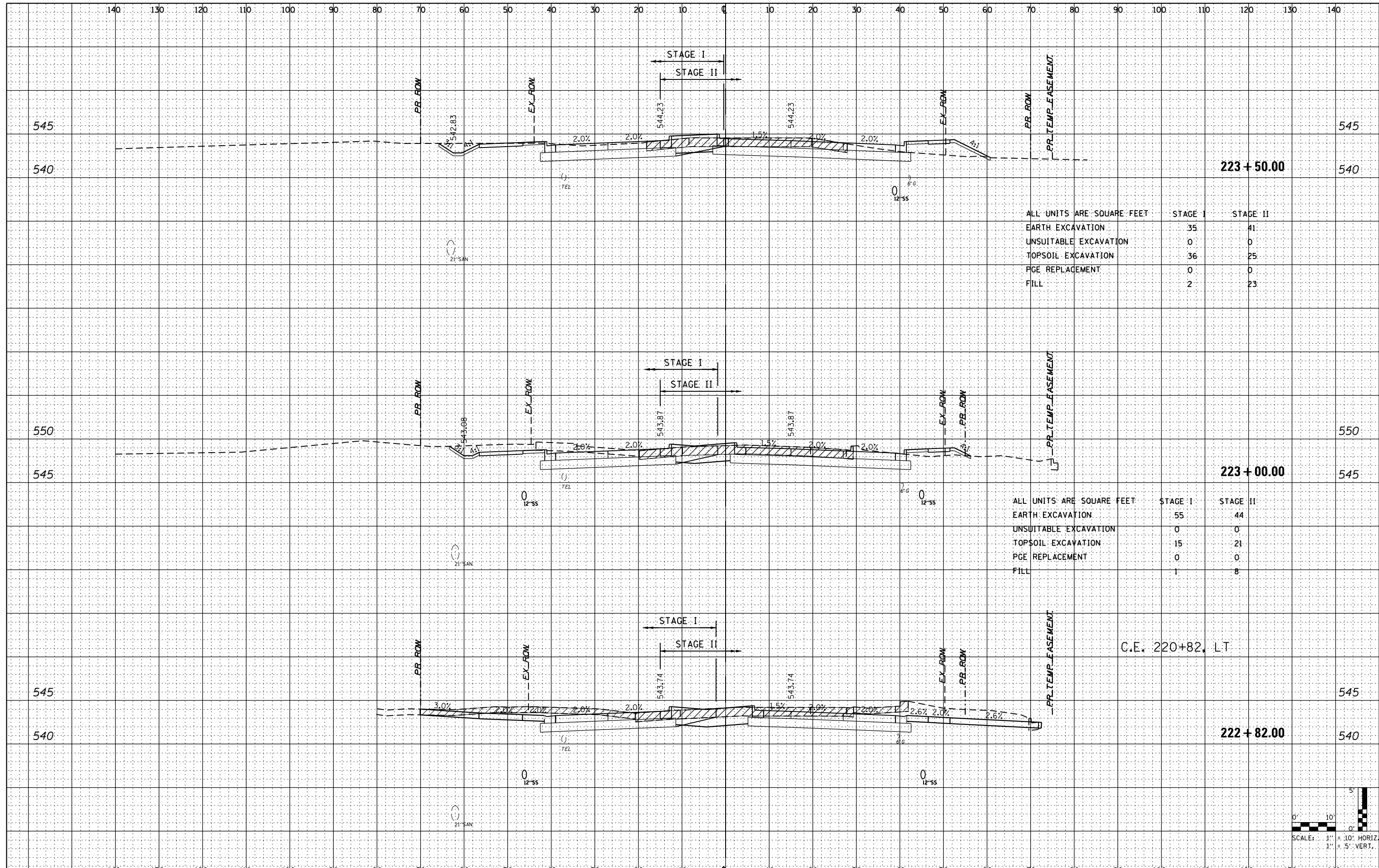
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 7 OF 19 SHEETS STA. 221+00 TO STA. 222+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	186
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



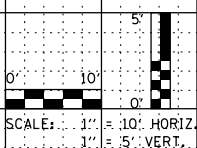
ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	35	41
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	36	25
PGE REPLACEMENT	0	0
FILL	2	23

ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	55	44
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	15	21
PGE REPLACEMENT	0	0
FILL	1	8

G.E. 220+82, LT



FILE NAME = 0160130-sht-US6.dgn  
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 PLOT SCALE = 20.0000' / 1"

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**STATE OF ILLINOIS  
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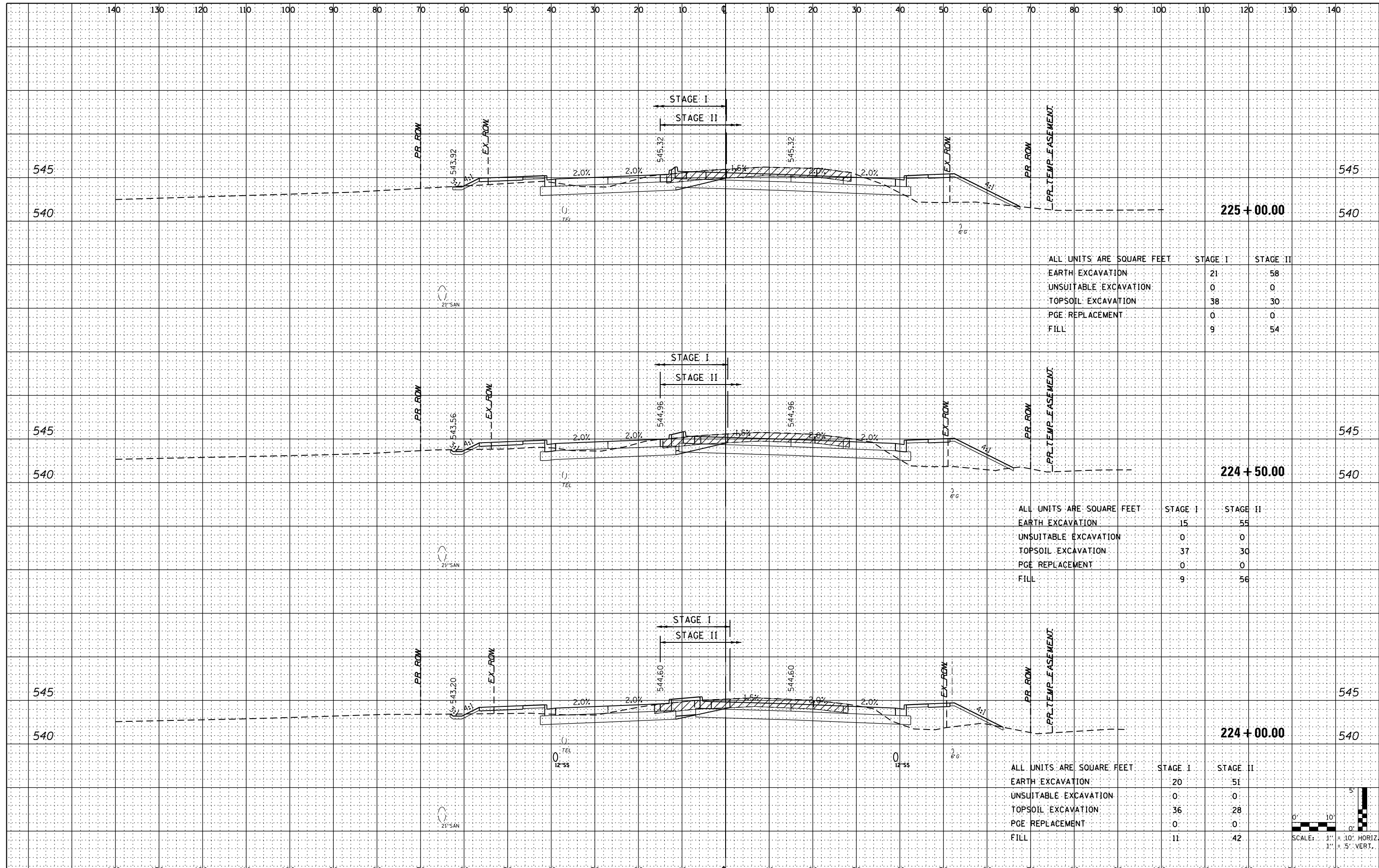
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 8 OF 19 SHEETS STA. 222+82 TO STA. 223+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	187
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



ALL UNITS ARE SQUARE FEET

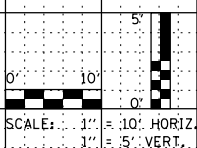
	STAGE I	STAGE II
EARTH EXCAVATION	21	58
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	38	30
PGE REPLACEMENT	0	0
FILL	9	54

ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	15	55
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	37	30
PGE REPLACEMENT	0	0
FILL	9	56

ALL UNITS ARE SQUARE FEET

	STAGE I	STAGE II
EARTH EXCAVATION	20	51
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	36	28
PGE REPLACEMENT	0	0
FILL	11	42



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**STATE OF ILLINOIS  
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**CROSS SECTIONS  
 U.S. 6**

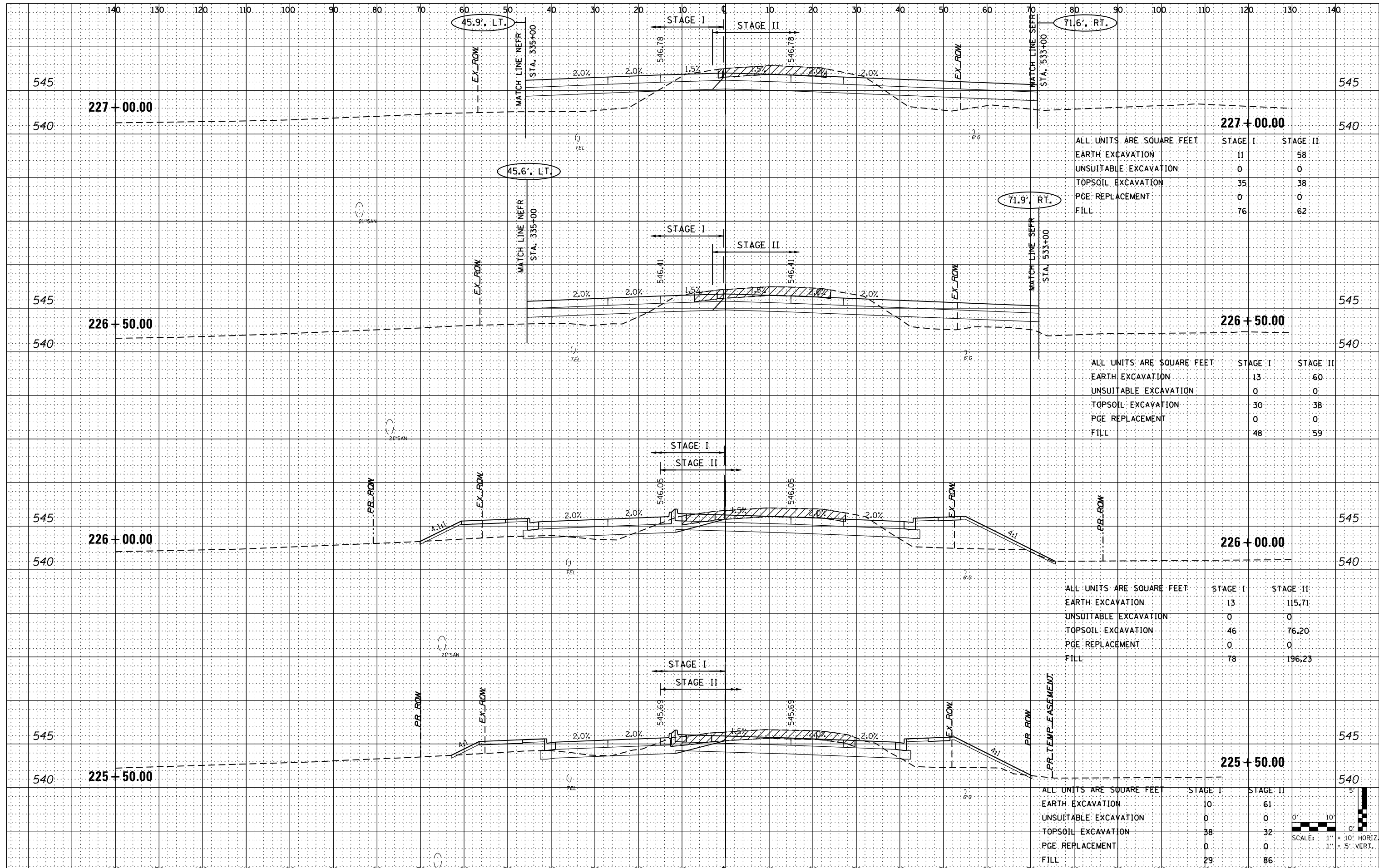
SCALE: 1" = 20' SHEET NO. 9 OF 19 SHEETS STA. 224+00 TO STA. 225+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	188
CONTRACT NO. 60130				

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

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

DATE	
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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	

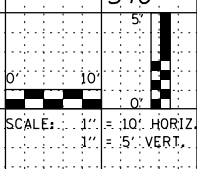


ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	11	58
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	35	38
FILL	0	0
	76	62

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	13	60
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	30	38
FILL	0	0
	48	59

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	13	115.71
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	46	76.20
FILL	0	0
	78	196.23

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	0	61
TOPSOIL EXCAVATION	38	32
PGE REPLACEMENT	0	0
FILL	29	86



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 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 U.S. 6**

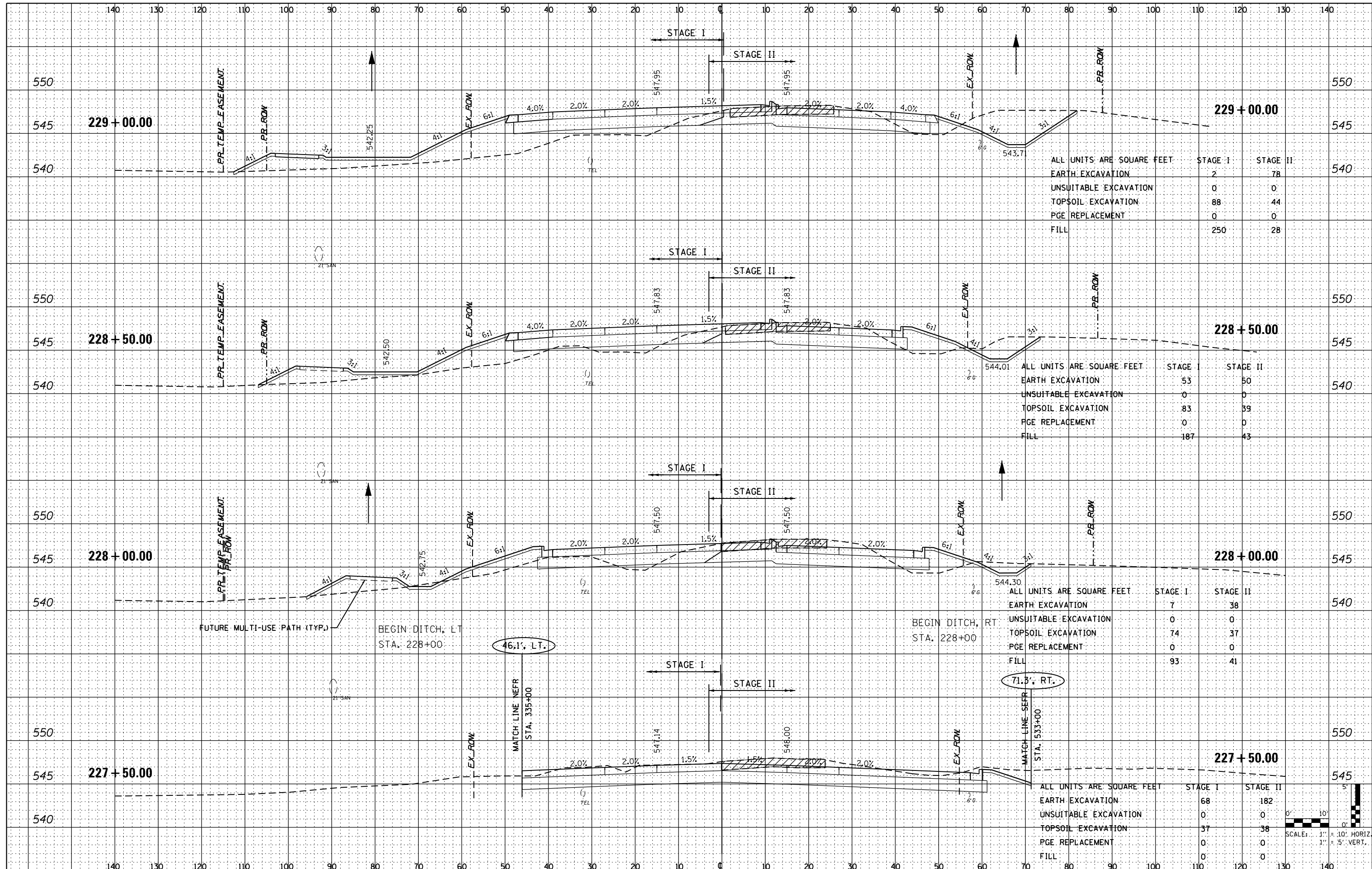
SCALE: 1" = 20'  
 SHEET NO. 10 OF 19 SHEETS  
 STA. 225+50 TO STA. 227+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	189
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
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TEMPLATE	
NOTE BOOK	
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AREAS CHECKED	

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TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		2	78
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		88	44
PGE REPLACEMENT		0	0
FILL		250	28

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		53	50
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		83	39
PGE REPLACEMENT		0	0
FILL		187	43

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		7	38
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		74	37
PGE REPLACEMENT		0	0
FILL		93	41

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		68	182
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		37	38
PGE REPLACEMENT		0	0
FILL		0	0

FILE NAME = D160130-shr-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CR**  
 CHRISTIAN-ROGE & ASSOCIATES, INC.  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED - S.J.P.  
 DRAWN - B.K.  
 CHECKED - M.P.  
 DATE - JANUARY 15, 2016

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

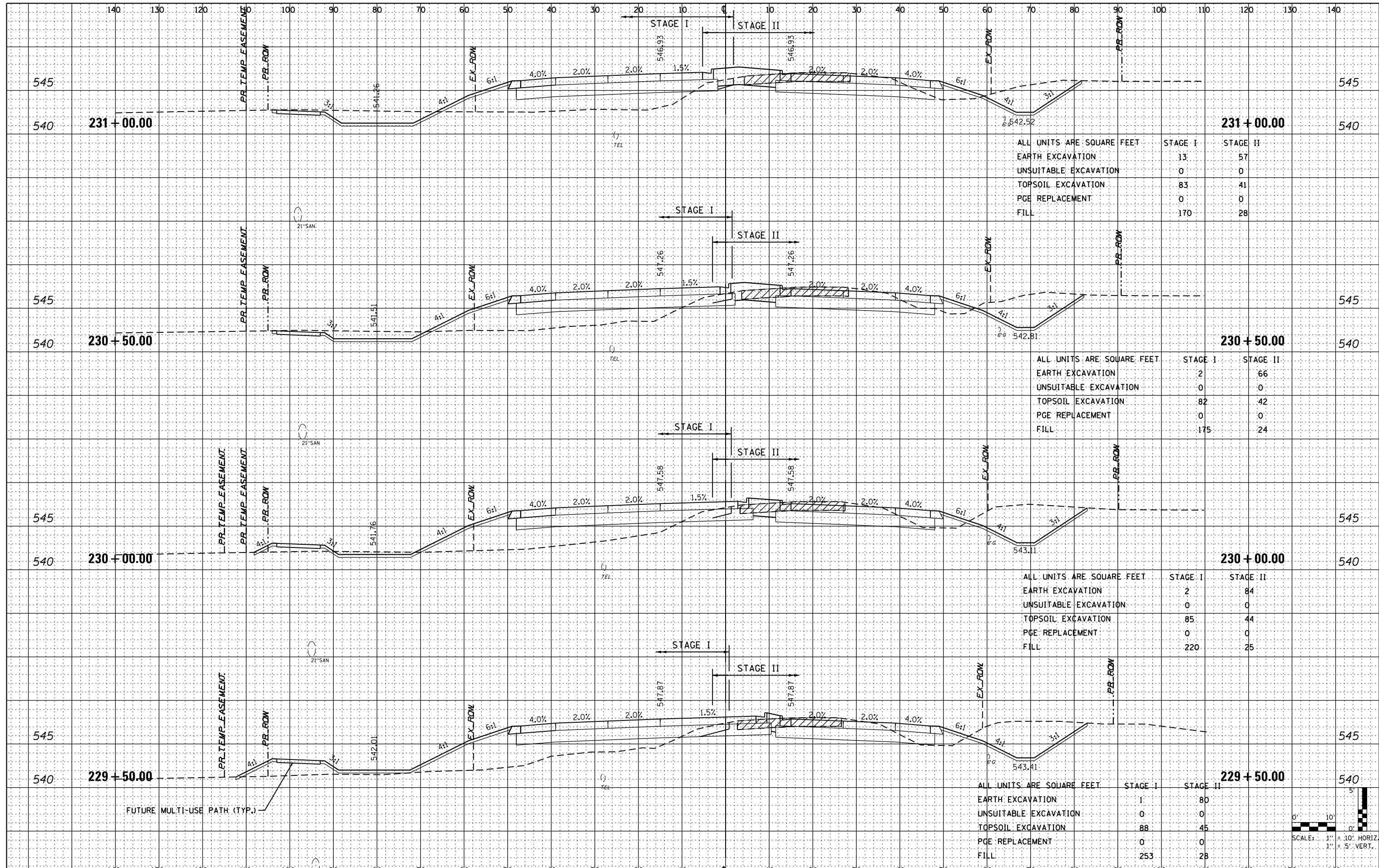
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 11 OF 19 SHEETS STA. 227+50 TO STA. 229+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	190
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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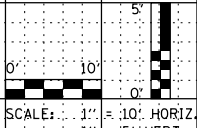


ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	13	57
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	83	41
FILL	0	0
	170	28

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	2	66
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	82	42
FILL	0	0
	175	24

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	2	84
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	85	44
FILL	0	0
	220	25

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	1	80
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	88	45
FILL	0	0
	253	28



FILE NAME = 0160130-shr-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

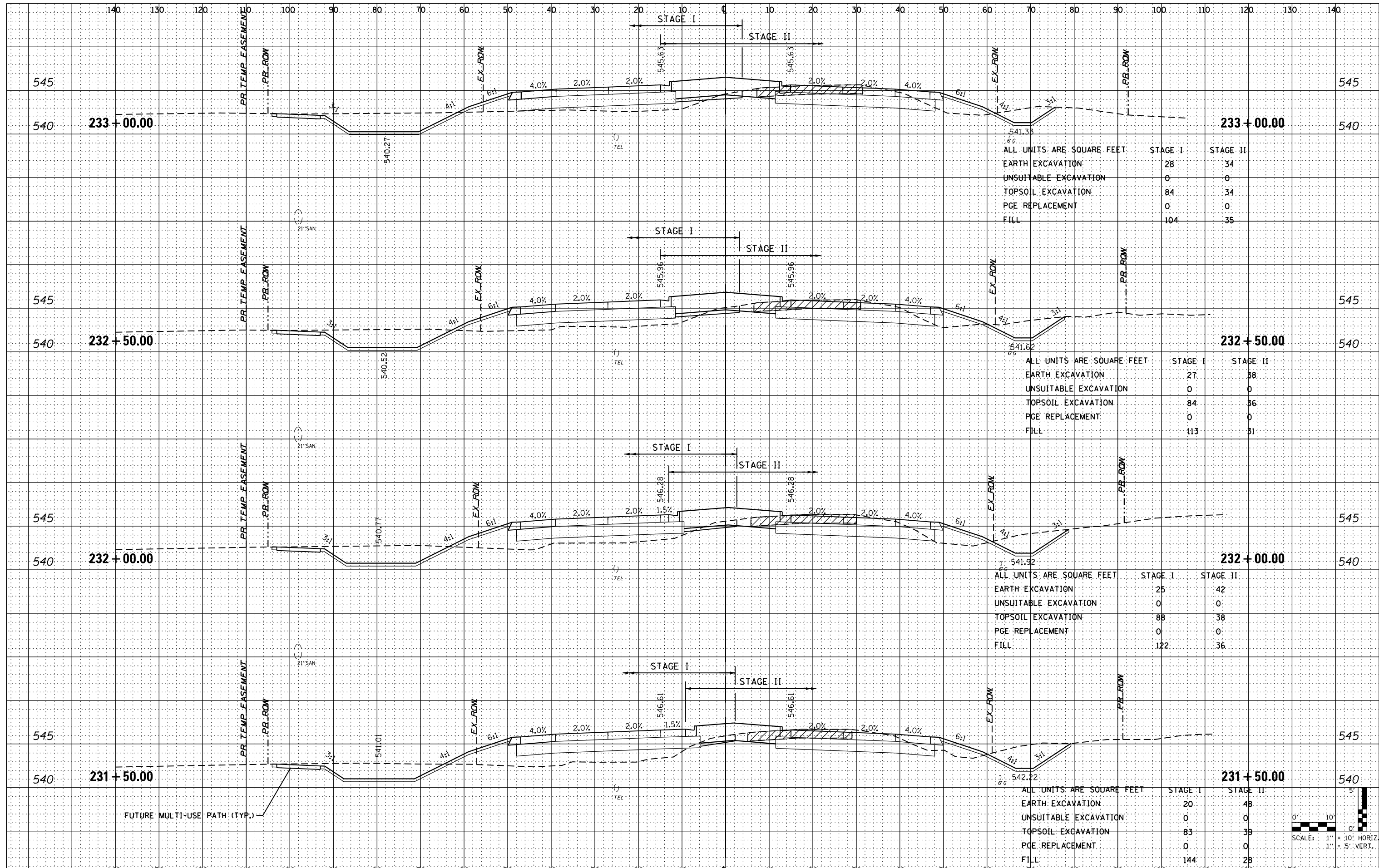
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 12 OF 19 SHEETS STA. 229+50 TO STA. 231+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	191
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK	
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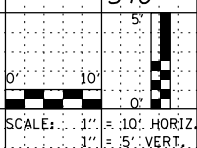


ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	84	34
PGE REPLACEMENT	0	0
FILL	104	35

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	84	36
PGE REPLACEMENT	0	0
FILL	113	31

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	0	42
TOPSOIL EXCAVATION	88	38
PGE REPLACEMENT	0	0
FILL	122	36

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	83	39
PGE REPLACEMENT	0	0
FILL	144	28



FILE NAME = 0160130-shr-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CR**  
 CHRISTIAN-ROGE & ASSOCIATES, INC.  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

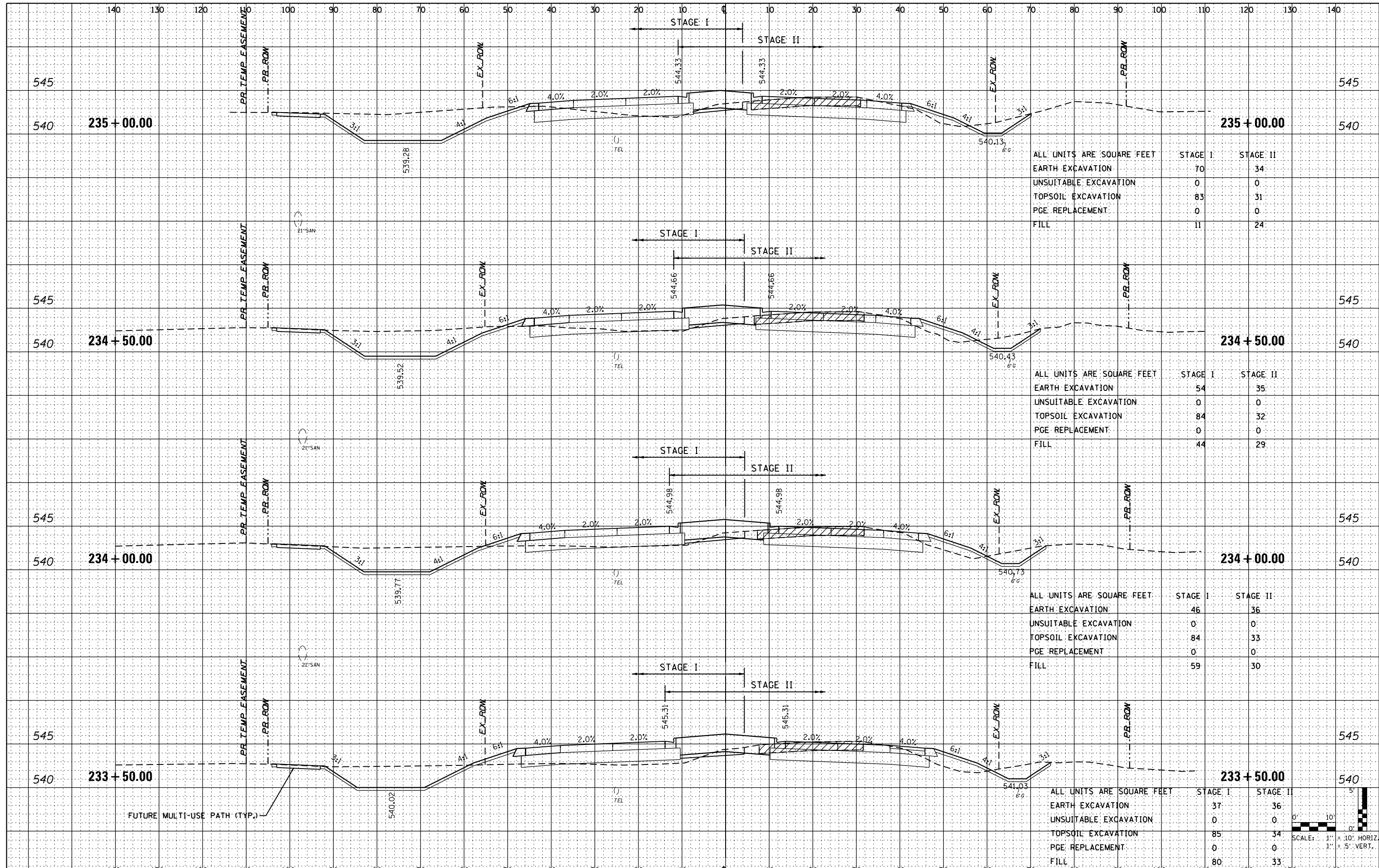
**CROSS SECTIONS**  
**U.S. 6**

SCALE: 1" = 20'  
 SHEET NO. 13 OF 19 SHEETS  
 STA. 231+50 TO STA. 233+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	192
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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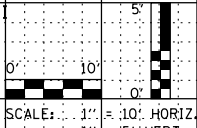


ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		70	34
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		83	31
PGE REPLACEMENT		0	0
FILL		11	24

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		54	35
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		84	32
PGE REPLACEMENT		0	0
FILL		44	29

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		46	36
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		84	33
PGE REPLACEMENT		0	0
FILL		59	30

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		37	36
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		85	34
PGE REPLACEMENT		0	0
FILL		80	33



FILE NAME = 0160130-shr-US6.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

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

**CROSS SECTIONS**  
**U.S. 6**

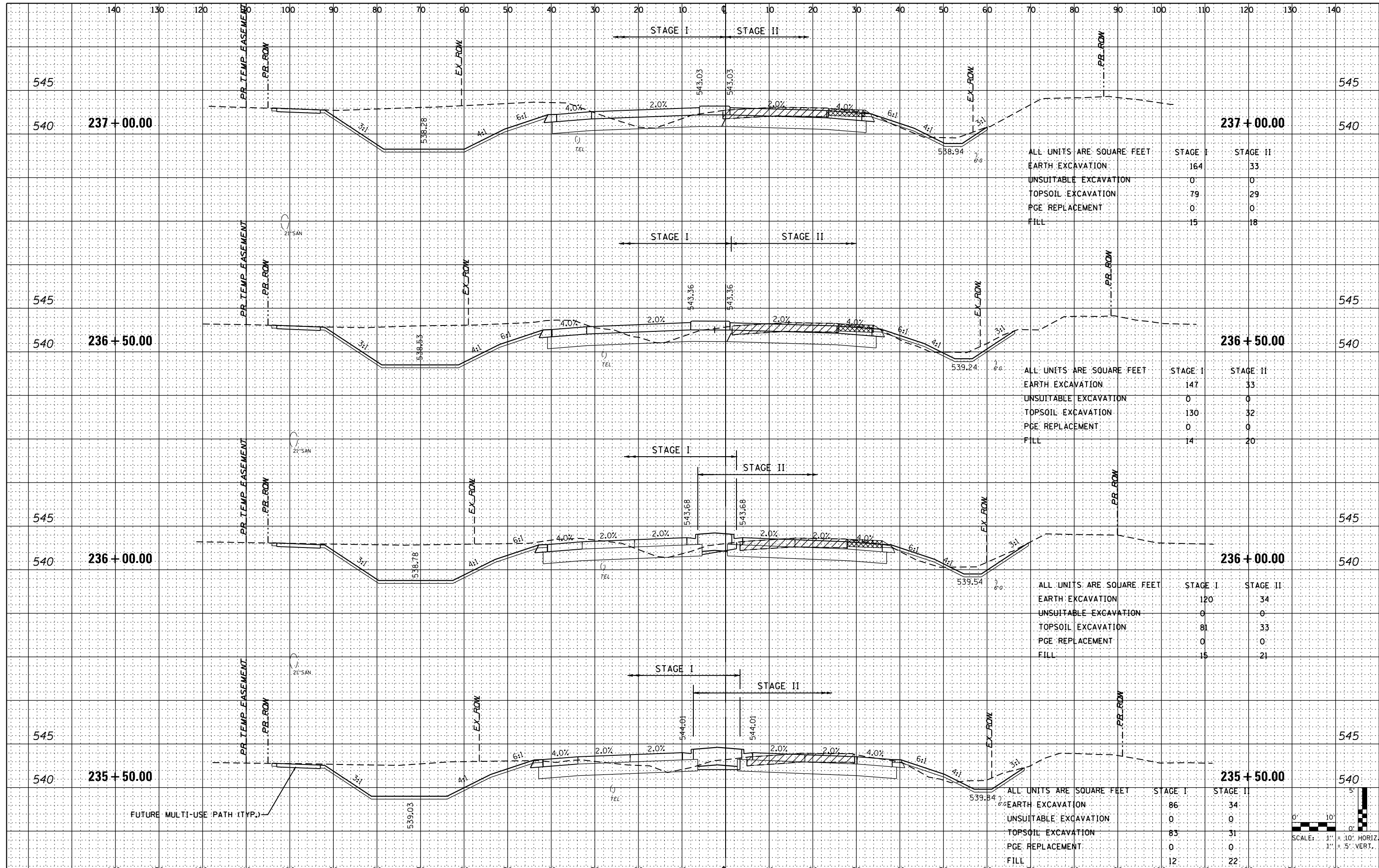
SCALE: 1" = 20' SHEET NO. 14 OF 19 SHEETS STA. 233+50 TO STA. 235+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	193
				CONTRACT NO. 60130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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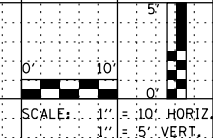


ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	164	33
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	79	29
PGE REPLACEMENT	0	0
FILL	15	18

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	147	33
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	130	32
PGE REPLACEMENT	0	0
FILL	14	20

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	120	34
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	81	33
PGE REPLACEMENT	0	0
FILL	15	21

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	86	34
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	83	31
PGE REPLACEMENT	0	0
FILL	12	22



FILE NAME = 0160130-shr-US6.dgn  
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**CR**  
 CHRISTIAN-ROGE & ASSOCIATES, INC.  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

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DRAWN	- B.K.	REVISED	-
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DATE	- JANUARY 15, 2016	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

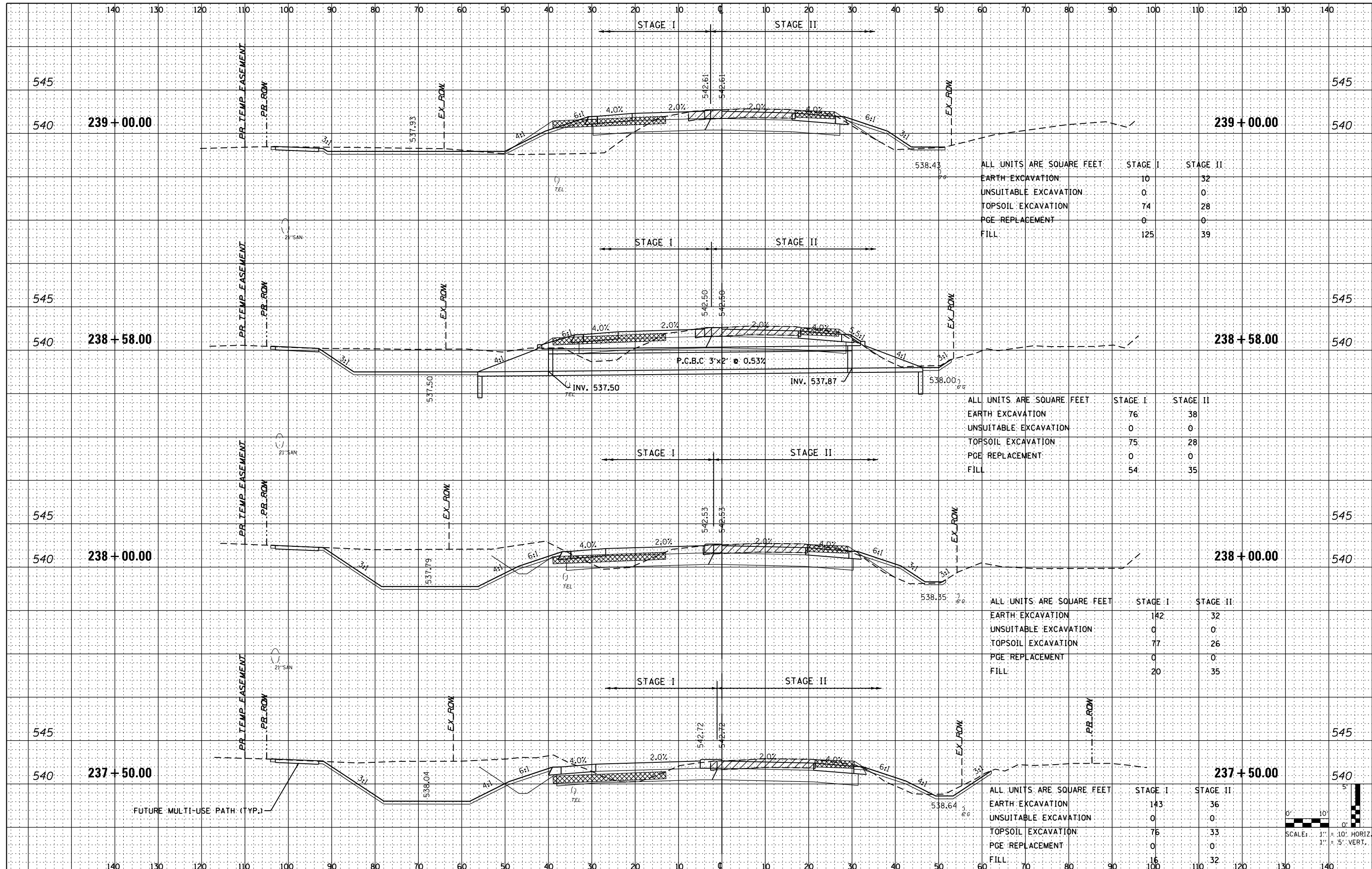
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20'  
 SHEET NO. 15 OF 19 SHEETS  
 STA. 235+50 TO STA. 237+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	194
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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TEMPLATE	
NO. BOOK	
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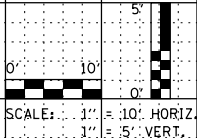


ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	10	32
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	74	28
FILL	0	0
	125	39

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	76	38
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	75	28
FILL	0	0
	54	35

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	142	32
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	77	26
FILL	0	0
	20	35

ALL UNITS ARE SQUARE FEET		
EARTH EXCAVATION	STAGE I	STAGE II
UNSUITABLE EXCAVATION	143	36
TOPSOIL EXCAVATION	0	0
PGE REPLACEMENT	76	33
FILL	0	0
	16	32



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 PLOT DATE = 1/16/2016  
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**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

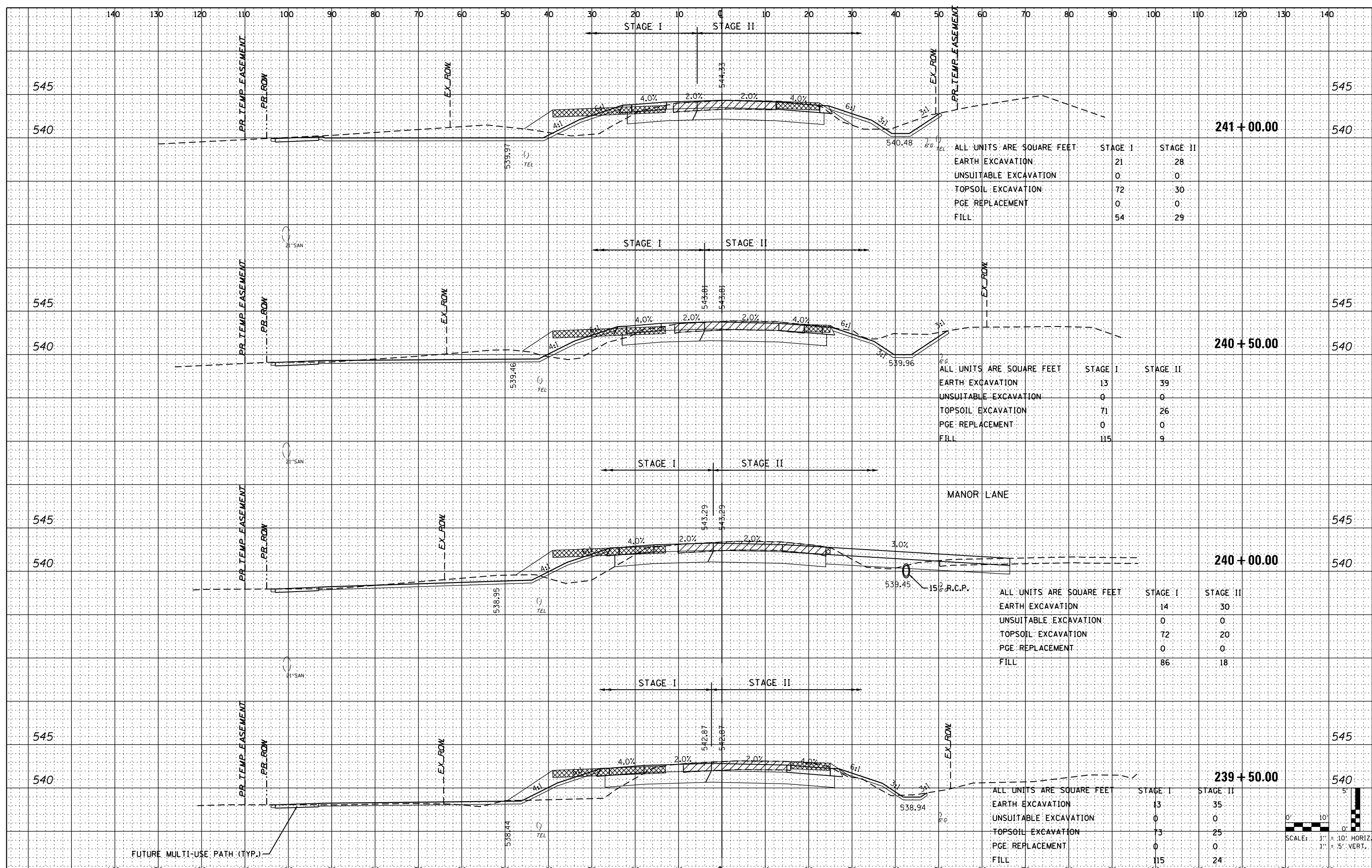
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20'  
 SHEET NO. 16 OF 19 SHEETS  
 STA. 237+50 TO STA. 239+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	195
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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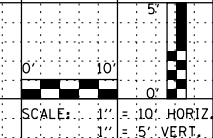


ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	21	28
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	72	30
PGE REPLACEMENT	0	0
FILL	54	29

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	13	39
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	71	26
PGE REPLACEMENT	0	0
FILL	115	9

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	14	30
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	72	20
PGE REPLACEMENT	0	0
FILL	86	18

ALL UNITS ARE SQUARE FEET		
STAGE I	STAGE II	
EARTH EXCAVATION	13	35
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	73	25
PGE REPLACEMENT	0	0
FILL	115	24



FILE NAME = 0160130-sht-US6.dgn  
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**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

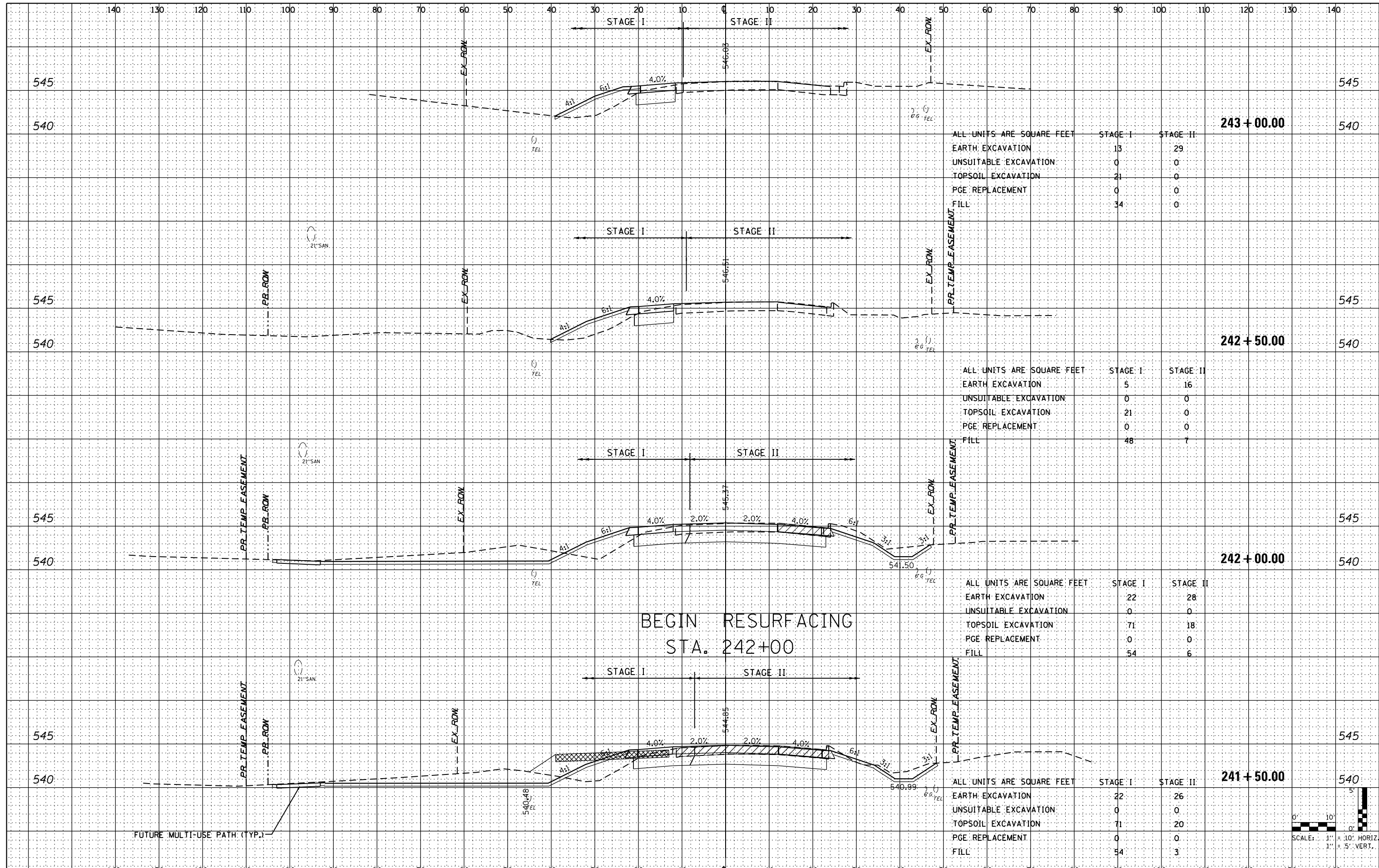
**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20' SHEET NO. 17 OF 19 SHEETS STA. 239+50 TO STA. 241+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	196
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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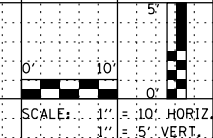


ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		13	29
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		21	0
PGE REPLACEMENT		0	0
FILL		34	0

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		5	16
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		21	0
PGE REPLACEMENT		0	0
FILL		48	7

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		22	28
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		71	18
PGE REPLACEMENT		0	0
FILL		54	6

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION		22	26
UNSUITABLE EXCAVATION		0	0
TOPSOIL EXCAVATION		71	20
PGE REPLACEMENT		0	0
FILL		54	3



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 U.S. 6**

SCALE: 1" = 20'  
 SHEET NO. 18 OF 19 SHEETS  
 STA. 241+50 TO STA. 243+00

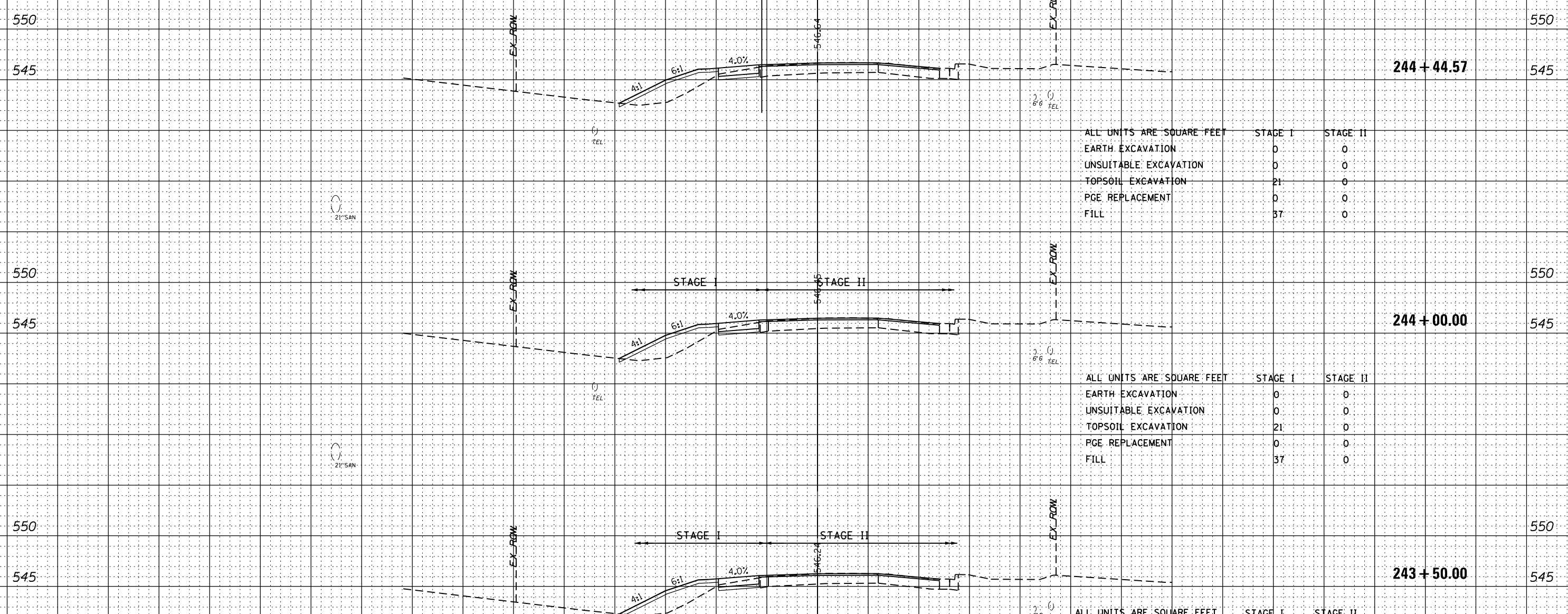
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	197
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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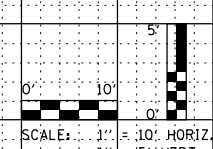
PROJECT ENDS  
STA. 244+44.47



ALL UNITS ARE SQUARE FEET	STAGE I	STAGE II
EARTH EXCAVATION	0	0
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	21	0
PGE REPLACEMENT	0	0
FILL	37	0

ALL UNITS ARE SQUARE FEET	STAGE I	STAGE II
EARTH EXCAVATION	0	0
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	21	0
PGE REPLACEMENT	0	0
FILL	37	0

ALL UNITS ARE SQUARE FEET	STAGE I	STAGE II
EARTH EXCAVATION	0	0
UNSUITABLE EXCAVATION	0	0
TOPSOIL EXCAVATION	21	0
PGE REPLACEMENT	0	0
FILL	37	0



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**CROSS SECTIONS**  
**U.S. 6**

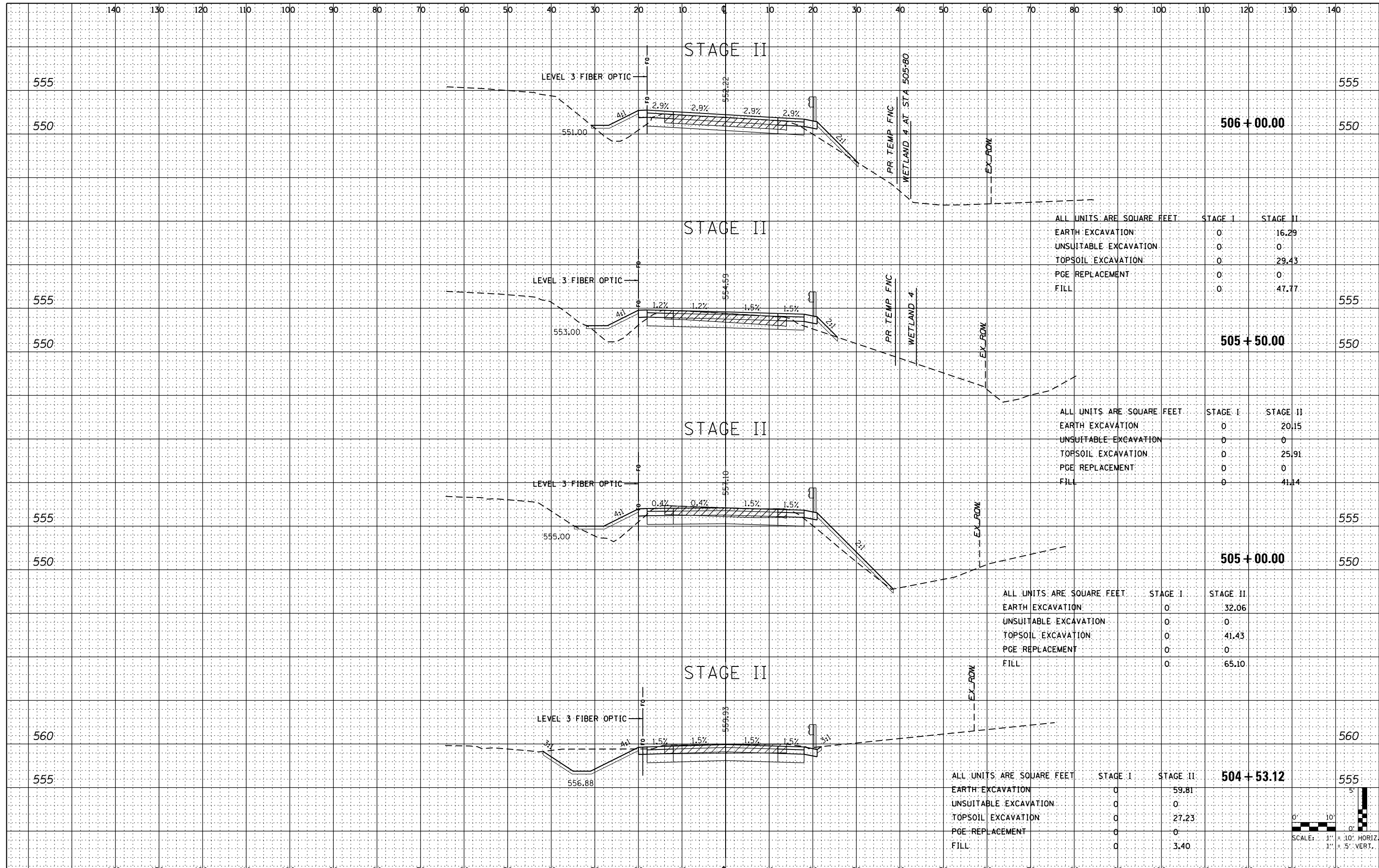
SCALE: 1" = 20' SHEET NO. 19 OF 19 SHEETS STA. 243+50 TO STA. 244+44.57

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	198
CONTRACT NO. 60130				

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	

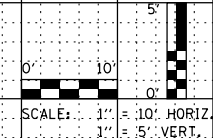


ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	16.29	
UNSUITABLE EXCAVATION	0	0	
TOPSOIL EXCAVATION	0	29.43	
PGE REPLACEMENT	0	0	
FILL	0	47.77	

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	20.15	
UNSUITABLE EXCAVATION	0	0	
TOPSOIL EXCAVATION	0	25.91	
PGE REPLACEMENT	0	0	
FILL	0	41.14	

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	32.06	
UNSUITABLE EXCAVATION	0	0	
TOPSOIL EXCAVATION	0	41.43	
PGE REPLACEMENT	0	0	
FILL	0	65.10	

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	59.81	
UNSUITABLE EXCAVATION	0	0	
TOPSOIL EXCAVATION	0	27.23	
PGE REPLACEMENT	0	0	
FILL	0	3.40	



FILE NAME = D160130-shr-SEFR.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1"

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 221 NORTH LASALLE STREET, SUITE 300  
 CHICAGO, ILLINOIS 60601  
 PHONE: (312) 577-3300

DESIGNED	- S.J.P.	REVISED	- MAY 7, 2015 - 404
DRAWN	- B.K.	REVISED	-
CHECKED	- M.P.	REVISED	-
DATE	- JANUARY 15, 2016	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

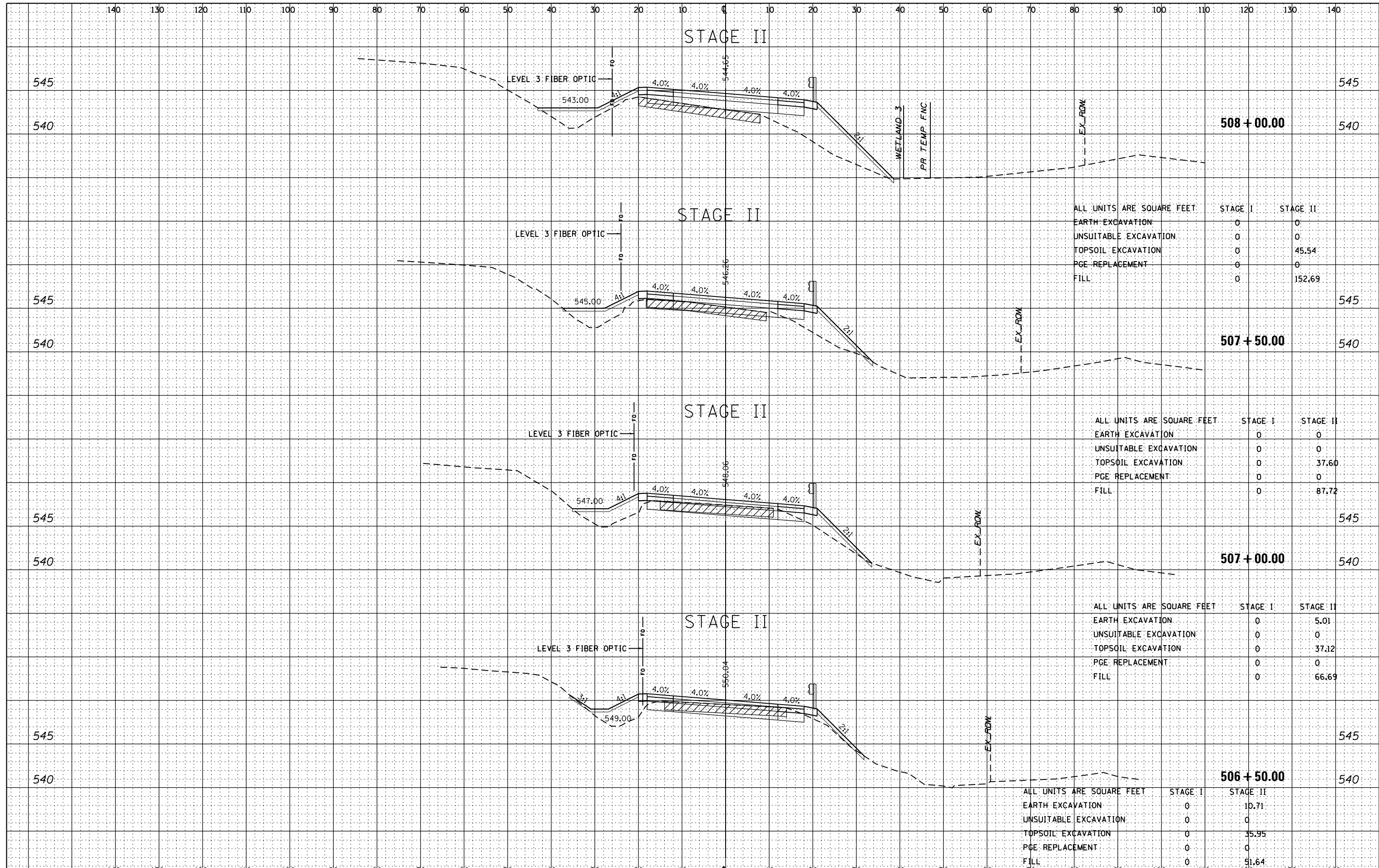
**CROSS SECTIONS  
 SOUTH EAST FRONTAGE ROAD**

SCALE: NONE SHEET NO. 1 OF 15 SHEETS STA. 504+50 TO STA. 506+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	199
CONTRACT NO. 60130				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	



ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	0	0
UNSUITABLE EXCAVATION	0	0	0
TOPSOIL EXCAVATION	0	0	45.54
PGE REPLACEMENT	0	0	0
FILL	0	0	152.69

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	0	0
UNSUITABLE EXCAVATION	0	0	0
TOPSOIL EXCAVATION	0	0	37.60
PGE REPLACEMENT	0	0	0
FILL	0	0	87.72

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	0	5.01
UNSUITABLE EXCAVATION	0	0	0
TOPSOIL EXCAVATION	0	0	37.12
PGE REPLACEMENT	0	0	0
FILL	0	0	66.69

ALL UNITS ARE SQUARE FEET		STAGE I	STAGE II
EARTH EXCAVATION	0	0	10.71
UNSUITABLE EXCAVATION	0	0	0
TOPSOIL EXCAVATION	0	0	35.95
PGE REPLACEMENT	0	0	0
FILL	0	0	51.64

FILE NAME = 0160130-shr-SEFR.dgn  
 PLOT DATE = 1/16/2016  
 PLOT SCALE = 20.0000' / 1" =

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DESIGNED - S.J.P.	REVISED - MAY 7, 2015 - 404
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 15, 2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 SOUTH EAST FRONTAGE ROAD**

SCALE: NONE      SHEET NO. 2 OF 15 SHEETS      STA. 506+50      TO STA. 508+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1&2)AC-R-3	WILL	225	200

CONTRACT NO. 60130

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