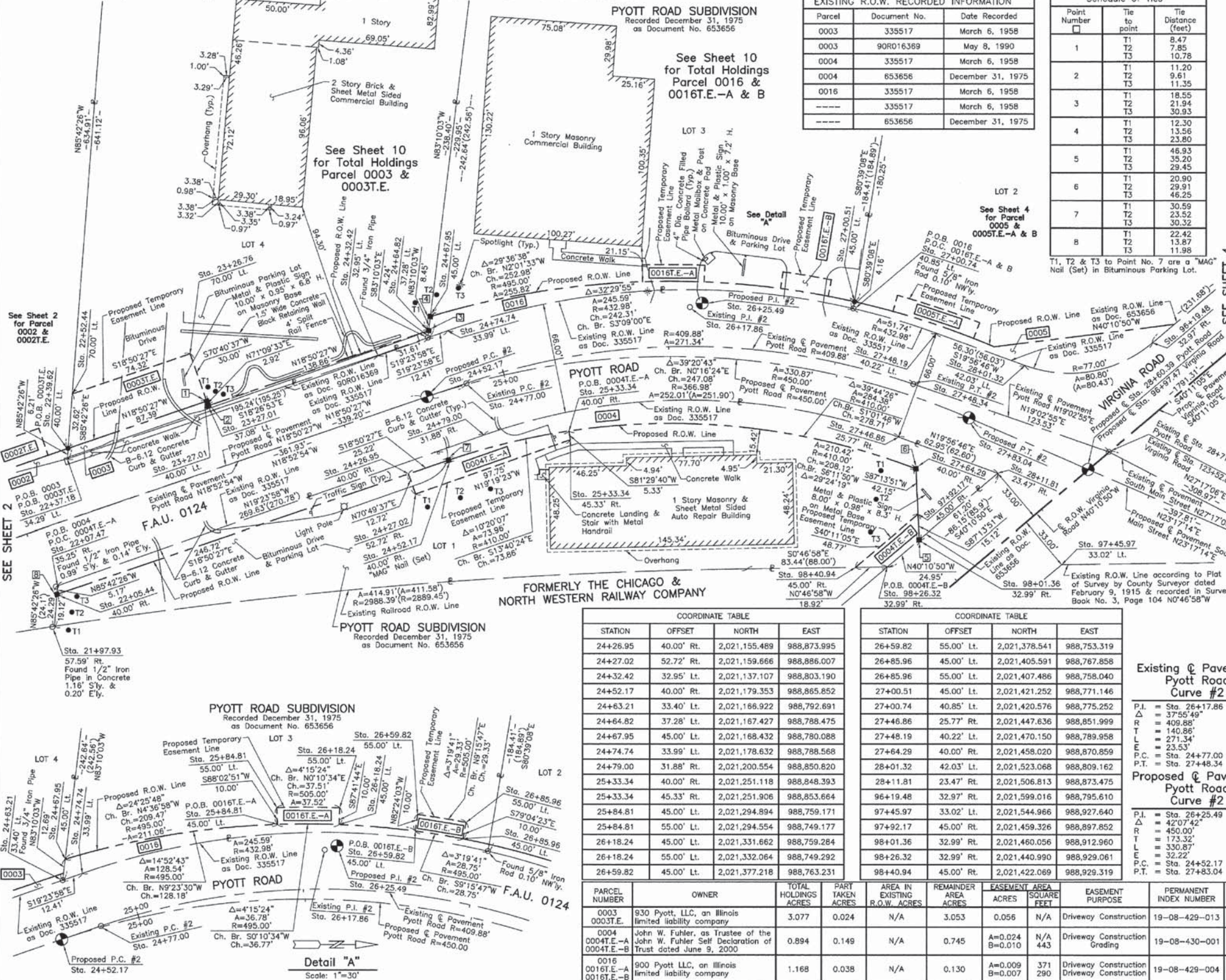


PART OF THE SE 1/4 OF SEC. 8, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Parcel	Document No.	Date Recorded
0003	335517	March 6, 1958
0003	90R016369	May 8, 1990
0004	335517	March 6, 1958
0004	653656	December 31, 1975
0016	335517	March 6, 1958
0016	335517	March 6, 1958
0016	653656	December 31, 1975

Point Number	Tie to Point	Tie Distance (feet)
1	T1	8.47
	T2	7.85
	T3	10.78
2	T1	11.20
	T2	9.61
	T3	11.35
3	T1	18.55
	T2	21.94
	T3	30.93
4	T1	12.30
	T2	13.56
	T3	23.80
5	T1	46.93
	T2	35.20
	T3	29.45
6	T1	20.90
	T2	29.91
	T3	46.25
7	T1	30.59
	T2	23.52
	T3	30.32
8	T1	22.42
	T2	13.87
	T3	11.98

LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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 STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

STATION	OFFSET	NORTH	EAST
24+26.95	40.00' Rt.	2,021,155.489	988,873.995
24+27.02	52.72' Rt.	2,021,159.666	988,886.007
24+32.42	32.95' Lt.	2,021,137.107	988,803.190
24+52.17	40.00' Rt.	2,021,179.353	988,865.852
24+63.21	33.40' Lt.	2,021,166.922	988,792.691
24+64.82	37.28' Lt.	2,021,167.427	988,788.475
24+67.95	45.00' Lt.	2,021,168.432	988,780.088
24+74.74	33.99' Lt.	2,021,178.632	988,788.568
24+79.00	31.88' Rt.	2,021,200.554	988,850.620
25+33.34	40.00' Rt.	2,021,251.118	988,848.393
25+33.34	45.33' Rt.	2,021,251.906	988,853.664
25+84.81	45.00' Lt.	2,021,294.894	988,759.171
25+84.81	55.00' Lt.	2,021,294.554	988,749.177
26+18.24	45.00' Lt.	2,021,331.662	988,759.284
26+18.24	55.00' Lt.	2,021,332.064	988,749.292
26+59.82	45.00' Lt.	2,021,377.218	988,763.231

STATION	OFFSET	NORTH	EAST
26+59.82	55.00' Lt.	2,021,378.541	988,753.319
26+85.96	45.00' Lt.	2,021,405.591	988,767.858
26+85.96	55.00' Lt.	2,021,407.486	988,758.040
27+00.51	45.00' Lt.	2,021,421.252	988,771.146
27+00.74	40.85' Lt.	2,021,420.576	988,775.252
27+46.86	25.77' Rt.	2,021,447.636	988,851.999
27+48.19	40.22' Lt.	2,021,470.150	988,789.958
27+64.29	40.00' Rt.	2,021,458.020	988,780.859
28+01.32	42.03' Lt.	2,021,523.068	988,809.162
28+11.81	23.47' Rt.	2,021,506.813	988,873.475
96+19.48	32.97' Rt.	2,021,599.016	988,795.610
97+45.97	33.02' Lt.	2,021,544.966	988,927.640
97+92.17	45.00' Rt.	2,021,459.326	988,897.852
98+01.36	32.99' Rt.	2,021,460.056	988,912.960
98+26.32	32.99' Rt.	2,021,440.990	988,929.061
98+40.94	45.00' Rt.	2,021,422.669	988,929.319

Existing @ Pavement Pyott Road Curve #2

P.I. = Sta. 26+17.86
 Δ = 37°54'49"
 R = 409.88'
 L = 140.86'
 T = 271.34'
 E = 23.53'
 P.C. = Sta. 24+77.00
 P.T. = Sta. 27+48.34

Proposed @ Pavement Pyott Road Curve #2

P.I. = Sta. 26+25.49
 Δ = 42°07'42"
 R = 450.00'
 L = 330.87'
 T = 32.22'
 P.C. = Sta. 24+52.17
 P.T. = Sta. 27+83.04

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0003	930 Pyott, LLC, an Illinois limited liability company	3.077	0.024	N/A	3.053	0.056	N/A	Driveway Construction	19-08-429-013	
0004	John W. Fuhler, as Trustee of the John W. Fuhler Self Declaration of Trust dated June 9, 2000	0.894	0.149	N/A	0.745	A=0.024 B=0.014	443	Driveway Construction Grading	19-08-430-001	
0016	900 Pyott LLC, an Illinois limited liability company	1.168	0.038	N/A	0.130	A=0.009 B=0.007	371 290	Driveway Construction Driveway Construction	19-08-429-004	

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
21+97.93	57.59' Rt.	2,020,944.417	988,964.603
22+05.44	40.00' Rt.	2,020,945.849	988,945.529
22+07.47	35.25' Rt.	2,020,946.236	988,940.377
22+37.18	34.29' Lt.	2,020,951.896	988,864.974
22+39.62	40.00' Lt.	2,020,952.361	988,858.778
22+52.44	70.00' Lt.	2,020,954.803	988,826.246
23+26.76	70.00' Lt.	2,021,025.139	988,802.246
23+27.01	37.08' Lt.	2,021,036.008	988,833.518
23+27.01	40.00' Lt.	2,021,035.066	988,830.557

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-PP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 22+00 TO STATION 29+00
 STATION 96+00 TO STATION 99+00
 SCALE: 1"=30' SHEET 3 OF 17

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-PP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME *	USER NAME * jlorincz	DESIGNED -	REVISED -	STATE OF ILLINOIS	SOUTH MAIN STREET	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
G:\CH11\0113\Road\Sheets\Plat of Highway	2.dgn	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS	0124	08-00106-00-PP	McHENRY	232	101
PLOT SCALE = 50,000 ft / in.	CHECKED -	REVISOR -	REVISOR -	SCALE: NONE	SHEET NO. 2 OF 16 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63843	
PLOT DATE = 7/17/2014	DATE -	REVISOR -	REVISOR -							

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0005 0005T.E.-A 0005T.E.-B	Chicago Title Land Trust Company, as successor to Grand National Bank, as Trustee under Trust Agreement dated the 14th day of April, 1995 and known as Trust Number 595-112	2.100	0.047	N/A	2.053	A=0.012 B=0.047	Driveway Construction Driveway Construction	19-08-429-003 19-08-429-011	
0006 0006T.E.	Chicago Title Land Trust Company, as successor to The First National Bank of Crystal Lake, as Trustee under Trust Agreement dated the 10th day of March, 1988, and known as Trust Number 88-108	5.075	0.127	0.092	4.948	0.013	Driveway Construction	19-08-427-005	

LEGEND

- SECTION CORNER 16
 - QUARTER SECTION CORNER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - 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. STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.
- STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

LOT 1

Parcel	Document No.	Date Recorded
0005	335517	March 6, 1958
0005	653656	December 31, 1975
0005	2000R018924	April 17, 2000
0006	335517	March 6, 1958
0006	90R017367	May 15, 1990
0006	335517	March 6, 1958
0006	653656	December 31, 1975
0006	91R024052	June 28, 1991

SARILLO'S RESUBDIVISION
Recorded April 17, 2000
as Document No. 2000R018924

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	20.40
	T2	19.06
	T3	26.13
2	T1	26.41
	T2	21.09
	T3	28.41
3	T1	25.40
	T2	18.46
	T3	15.34
4	T1	18.92
	T2	11.82
	T3	17.38
5	T1	17.74
	T2	11.21
	T3	18.20

T1, T2 & T3 to Point No. 1 are a "MAG" Nail (Set) in Bituminous Drive.
T1 to Point No. 2 is a Cross Cut (Set) in Concrete Curb.
T2 & T3 to Point No. 2 are a "MAG" Nail (Set) in Bituminous Parking Lot.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
27+68.17	55.00' Lt.	2,021,495.970	988,783.680
27+80.24	45.00' Lt.	2,021,504.621	988,798.001
28+01.32	42.03' Lt.	2,021,523.068	988,809.162
28+11.81	23.47' Rt.	2,021,506.813	988,873.475
29+46.72	51.88' Lt.	2,021,660.519	988,857.595
29+51.20	21.09' Rt.	2,021,635.785	988,926.400
29+61.27	53.46' Lt.	2,021,674.507	988,861.905
30+38.74	61.82' Lt.	2,021,748.974	988,884.850
30+67.82	30.91' Lt.	2,021,763.284	988,924.658
91+59.75	32.94' Rt.	2,021,950.258	988,498.992
93+88.07	32.96' Rt.	2,021,775.818	988,646.304
94+00.00	33.04' Lt.	2,021,809.290	988,704.423
94+00.00	43.04' Lt.	2,021,815.742	988,712.063
94+37.88	32.96' Rt.	2,021,737.764	988,678.440
94+37.88	70.14' Rt.	2,021,713.770	988,650.044
94+54.78	33.04' Lt.	2,021,767.434	988,739.770
94+54.78	43.04' Lt.	2,021,773.886	988,747.410
94+74.72	0.04' Lt.	2,021,730.906	988,727.425
94+74.72	33.04' Lt.	2,021,752.197	988,752.637
94+93.51	32.97' Rt.	2,021,695.265	988,714.330
94+93.51	70.13' Rt.	2,021,671.281	988,685.946
95+50.00	42.07' Lt.	2,021,700.519	988,808.108
95+95.99	0.03' Lt.	2,021,638.257	988,805.665
95+95.99	33.03' Lt.	2,021,659.548	988,830.878
96+02.35	32.97' Rt.	2,021,612.108	988,784.555
96+19.48	32.97' Rt.	2,021,599.016	988,795.610
97+45.97	33.02' Lt.	2,021,544.966	988,927.640

Existing Pavement
Pyott Road
Curve #2

Proposed Pavement
Pyott Road
Curve #2

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
27+00.51	45.00' Lt.	2,021,421.252	988,771.146
27+00.74	40.85' Lt.	2,021,420.576	988,775.252
27+22.05	45.00' Lt.	2,021,444.228	988,776.938
27+22.05	55.00' Lt.	2,021,446.905	988,767.303
27+46.86	25.77' Rt.	2,021,447.636	988,851.999
27+48.19	40.22' Lt.	2,021,470.150	988,789.958
27+68.17	45.00' Lt.	2,021,492.322	988,792.991

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0124 (SOUTH MAIN STREET)
SECTION 08-00106-00-FP McHENRY COUNTY
PROJECT JOB NO. R-55-001-97
STATION 27+00 TO STATION 31+80.85
STATION 91+00 TO STATION 98+00
SCALE: 1"=30'
SHEET 4 OF 17

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

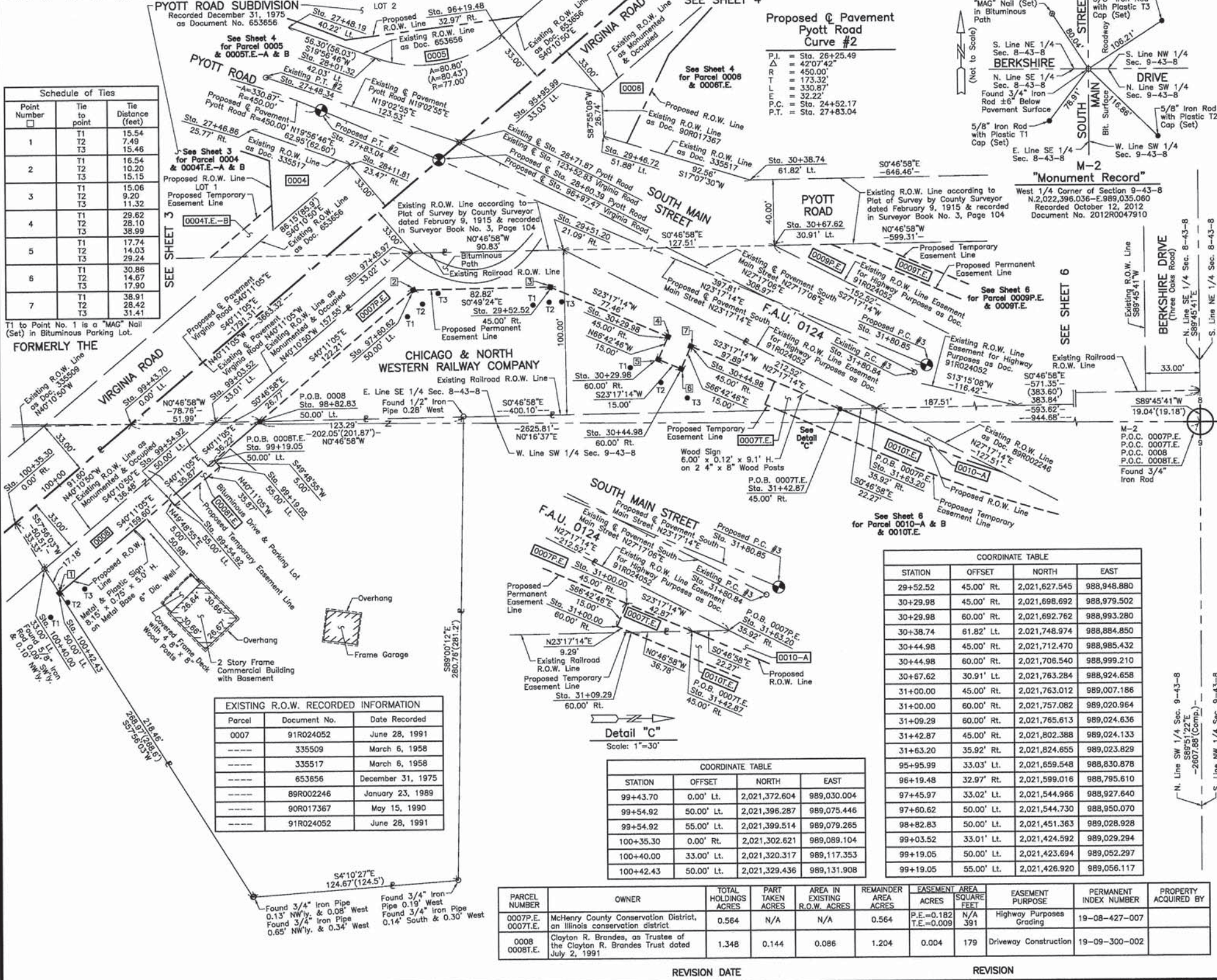
USER NAME = jalarinez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PLAT OF HIGHWAYS	F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 102
3dgn	DRAWN -	REVISED -	SCALE: NONE	SHEET NO. 3 OF 16 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	CHECKED -	REVISED -							
	DATE -	REVISED -							

FILE NAME = G:\CH11\0113\Road\Sheets\Plat of Highway

PLOT SCALE = 50,000 ft / in.
PLOT DATE = 7/17/2014

CONTRACT NO. 63843

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	15.54
	T2	7.49
	T3	15.46
2	T1	16.54
	T2	10.20
	T3	15.15
3	T1	15.06
	T2	9.20
	T3	11.32
4	T1	29.62
	T2	28.10
	T3	38.99
5	T1	17.74
	T2	14.03
	T3	29.24
6	T1	30.86
	T2	28.42
	T3	31.41

T1 to Point No. 1 is a "MAG" Nail (Set) in Bituminous Parking Lot.

Proposed Pavement Pyott Road Curve #2

P.I. = Sta. 26+25.49
 Δ = 42°07'42"
R = 450.00'
L = 173.32'
T = 330.87'
E = 32.22'
P.C. = Sta. 24+52.17
P.T. = Sta. 27+83.04

LEGEND

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
C.L. CENTER LINE
P.R.W. EXISTING RIGHT OF WAY LINE
P.P.R.W. PROPOSED RIGHT OF WAY LINE
P.E. PROPOSED EASEMENT
M.D. MEASURED DIMENSION
C.D. COMPUTED DIMENSION
R.D. RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING 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 STD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
29+52.52	45.00' Rt.	2,021,627.545	988,948.880
30+29.98	45.00' Rt.	2,021,698.692	988,979.502
30+29.98	60.00' Rt.	2,021,692.762	988,993.280
30+38.74	61.82' Lt.	2,021,748.974	988,884.850
30+44.98	45.00' Rt.	2,021,712.470	988,985.432
30+44.98	60.00' Rt.	2,021,706.540	988,999.210
30+67.62	30.91' Lt.	2,021,763.284	988,924.658
31+00.00	45.00' Rt.	2,021,763.012	989,007.186
31+00.00	60.00' Rt.	2,021,757.082	989,020.964
31+09.29	60.00' Rt.	2,021,765.613	989,024.636
31+42.87	45.00' Rt.	2,021,802.388	989,024.133
31+63.20	35.92' Rt.	2,021,824.655	989,023.829
95+95.99	33.03' Lt.	2,021,659.548	988,830.878
96+19.48	32.97' Rt.	2,021,599.016	988,795.610
97+45.97	33.02' Lt.	2,021,544.966	988,927.640
97+60.62	50.00' Lt.	2,021,544.730	988,950.070
98+82.83	50.00' Lt.	2,021,451.363	989,028.928
99+03.52	33.01' Lt.	2,021,424.592	989,029.294
99+19.05	50.00' Lt.	2,021,423.694	989,052.297
99+19.05	55.00' Lt.	2,021,426.920	989,056.117

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
99+43.70	0.00' Lt.	2,021,372.604	989,030.004
99+54.92	50.00' Lt.	2,021,396.287	989,075.446
99+54.92	55.00' Lt.	2,021,399.514	989,079.265
100+35.30	0.00' Rt.	2,021,302.621	989,089.104
100+40.00	33.00' Lt.	2,021,320.317	989,117.353
100+42.43	50.00' Lt.	2,021,329.436	989,131.908

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
27+46.86	25.77' Rt.	2,021,447.636	988,851.999
27+48.19	40.22' Lt.	2,021,470.150	988,789.958
28+01.32	42.03' Lt.	2,021,523.068	988,809.162
28+11.81	23.47' Lt.	2,021,506.813	988,873.475
29+46.72	51.88' Lt.	2,021,660.519	988,857.595
29+51.20	21.09' Rt.	2,021,635.785	988,926.400

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0007	91R024052	June 28, 1991
---	335509	March 6, 1958
---	335517	March 6, 1958
---	653656	December 31, 1975
---	89R002246	January 23, 1989
---	90R017367	May 15, 1990
---	91R024052	June 28, 1991

PARCEL INFORMATION

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0007P.E. 0007T.E.	McHenry County Conservation District, an Illinois conservation district	0.564	N/A	N/A	0.564	P.E.=0.182 T.E.=0.009	N/A 391	Highway Purposes Grading	19-08-427-007	
0008 0008T.E.	Clayton R. Brandes, as Trustee of the Clayton R. Brandes Trust dated July 2, 1991	1.348	0.144	0.086	1.204	0.004	179	Driveway Construction	19-09-300-002	

REVISION DATE **REVISION**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON SOUTH MAIN STREET PLAT OF HIGHWAYS

SCALE: NONE SHEET NO. 4 OF 16 SHEETS STA. TO STA.

MADE BY **AS DOCUMENT NO.**

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP McHENRY COUNTY PROJECT JOB NO. R-55-001-97 STATION 27+00 TO STATION 31+80.85 STATION 95+00 TO STATION 101+00 SCALE: 1"=30' SHEET 5 OF 17

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

FILE NAME: G:\CH\1\1013\Road\Sheets\Plat of Highway
USER NAME: jalorinoz
DESIGNED: - REVISION: -
DRAWN: - REVISION: -
CHECKED: - REVISION: -
DATE: - REVISION: -
PLOT SCALE: 50,000 ft / in.
PLOT DATE: 7/17/2014

F.A.U. 0124 SECTION 08-00106-00-FP COUNTY McHENRY TOTAL SHEETS 232 SHEET NO. 103
CONTRACT NO. 63843 ILLINOIS FED. AID PROJECT

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

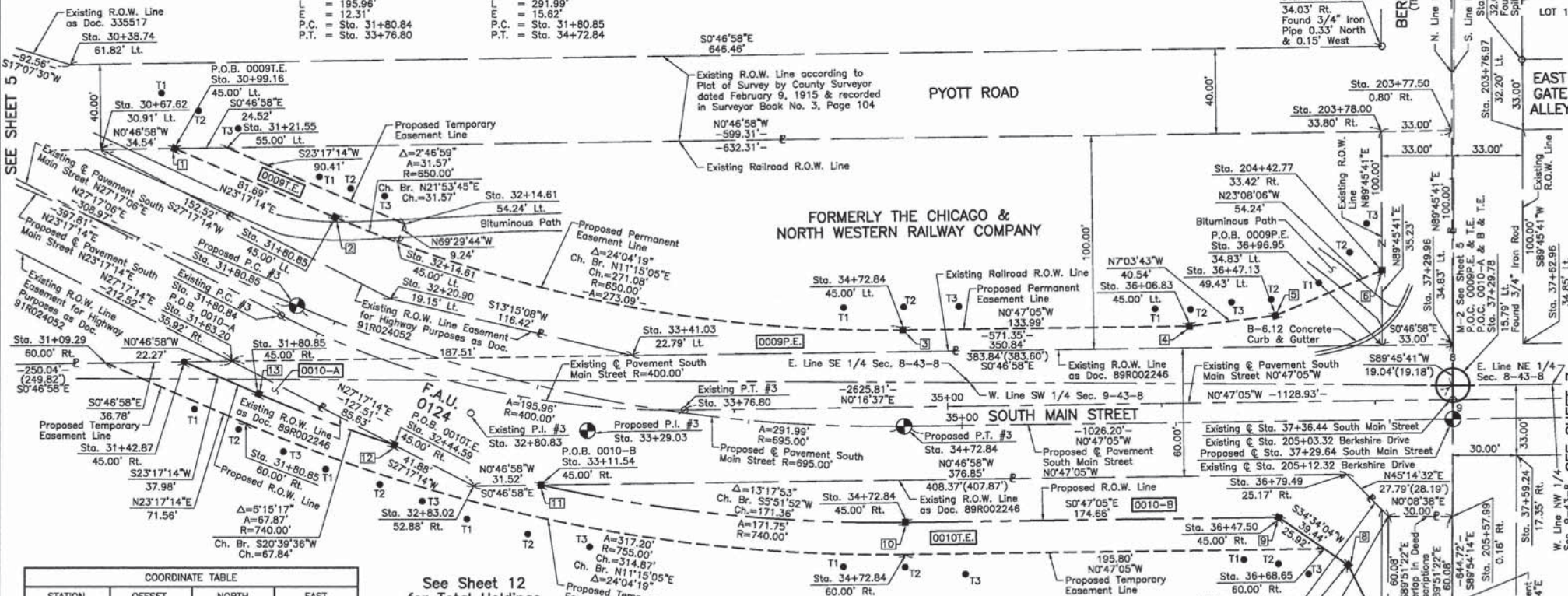
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0009P.E. 0009T.E.	McHenry County Conservation District, an Illinois conservation district	1.216	N/A	N/A	1.216	P.E.=0.233 T.E.=0.023	Highway Purposes Grading	19-08-427-007	
0010-A 0010-B 0010T.E.	City of Crystal Lake	274.136	A=0.012 B=0.218	0.041	273.906	0.185	Grading	19-09-200-038 19-09-300-017 19-09-300-023 19-09-300-024 19-09-400-007	

Parcel	Document No.	Date Recorded
0009	89R002246	January 23, 1989
0009	91R024052	June 28, 1991
0010	89R002246	January 23, 1989
-----	335517	March 6, 1958
-----	843026	October 15, 1982
-----	91R024052	June 28, 1991
-----	96R036161	July 12, 1996

Existing Pavement Curve #3	Proposed Pavement Curve #3
P.I. = Sta. 32+80.83	P.I. = Sta. 33+29.03
Δ = 28°04'11"	Δ = 24°04'19"
R = 400.00'	R = 695.00'
T = 99.99'	T = 148.18'
L = 195.96'	L = 291.99'
E = 12.31'	E = 15.62'
P.C. = Sta. 31+80.84	P.C. = Sta. 31+80.85
P.T. = Sta. 33+76.80	P.T. = Sta. 34+72.84

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



STATION	OFFSET	NORTH	EAST
31+63.20	35.92' Rt.	2,021,824.655	989,023.829
31+80.85	45.00' Lt.	2,021,872.856	988,956.481
31+80.85	45.00' Rt.	2,021,837.276	989,039.149
31+80.85	60.00' Rt.	2,021,831.346	989,052.927
32+14.61	45.00' Lt.	2,021,902.148	988,988.254
32+14.61	54.24' Lt.	2,021,905.386	988,959.595
32+20.90	19.15' Lt.	2,021,898.832	988,994.581
32+44.59	45.00' Rt.	2,021,900.755	989,063.086
32+83.02	52.88' Rt.	2,021,937.977	989,082.287
33+11.54	45.00' Rt.	2,021,969.496	989,081.856
33+41.03	22.79' Lt.	2,022,012.149	989,021.268
34+72.84	45.00' Lt.	2,022,138.730	989,009.374
34+72.84	45.00' Rt.	2,022,139.963	989,099.365
34+72.84	60.00' Rt.	2,022,140.168	989,114.364
36+06.83	45.00' Lt.	2,022,272.703	989,007.539
36+47.13	49.43' Lt.	2,022,312.937	989,002.554
36+47.50	45.00' Rt.	2,022,314.804	989,096.973
36+68.65	60.00' Rt.	2,022,335.952	989,111.682
36+79.49	25.17' Rt.	2,022,346.314	989,076.709
36+96.95	34.83' Lt.	2,022,362.959	989,016.476

STATION	OFFSET	NORTH	EAST
37+29.78	15.79' Lt.	2,022,396.036	989,035.060
37+29.96	34.83' Lt.	2,022,395.957	989,016.025
37+59.24	17.35' Rt.	2,022,425.954	989,067.792
37+62.96	34.85' Lt.	2,022,428.955	989,015.552
203+38.00	34.03' Rt.	2,022,362.376	988,876.470
203+43.96	32.00' Lt.	2,022,428.401	988,882.548
203+76.97	32.00' Lt.	2,022,428.539	988,915.546
203+77.50	0.80' Rt.	2,022,395.541	988,916.021
203+78.00	33.80' Rt.	2,022,362.542	988,916.472
204+42.77	33.42' Rt.	2,022,362.812	988,981.245
205+57.97	30.16' Rt.	2,022,365.882	989,096.443
205+57.99	0.16' Rt.	2,022,395.882	989,096.518
205+80.90	48.92' Rt.	2,022,347.078	989,119.348
206+18.05	30.21' Rt.	2,022,365.731	989,156.526
206+18.07	0.21' Rt.	2,022,395.731	989,156.602

Point Number	Tie to point	Tie Distance (feet)
1	T1	26.69
1	T2	20.91
1	T3	31.16
2	T1	20.37
2	T2	15.33
2	T3	25.22
3	T1	29.74
3	T2	10.89
3	T3	28.36
4	T1	18.03
4	T2	7.91
4	T3	22.73
5	T1	25.47
5	T2	7.85
5	T3	21.46
6	T1	30.14
6	T2	17.27
6	T3	22.97
7	T1	24.34
7	T2	13.50
7	T3	18.78

Point Number	Tie to point	Tie Distance (feet)
8	T1	22.79
8	T2	32.58
8	T3	18.95
9	T1	25.60
9	T2	21.79
9	T3	30.00
10	T1	32.64
10	T2	20.93
10	T3	37.14
11	T1	38.20
11	T2	23.76
11	T3	36.83
12	T1	34.07
12	T2	19.66
12	T3	29.38
13	T1	30.89
13	T2	19.03
13	T3	29.30

STATION	OFFSET	NORTH	EAST
30+38.74	61.82' Lt.	2,021,748.974	988,884.850
30+67.62	30.91' Lt.	2,021,763.284	988,924.658
30+99.16	45.00' Lt.	2,021,797.823	988,924.186
31+09.29	80.00' Rt.	2,021,765.613	989,024.636
31+21.55	55.00' Lt.	2,021,822.339	988,923.851
31+42.87	45.00' Rt.	2,021,802.388	989,024.133

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E., AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

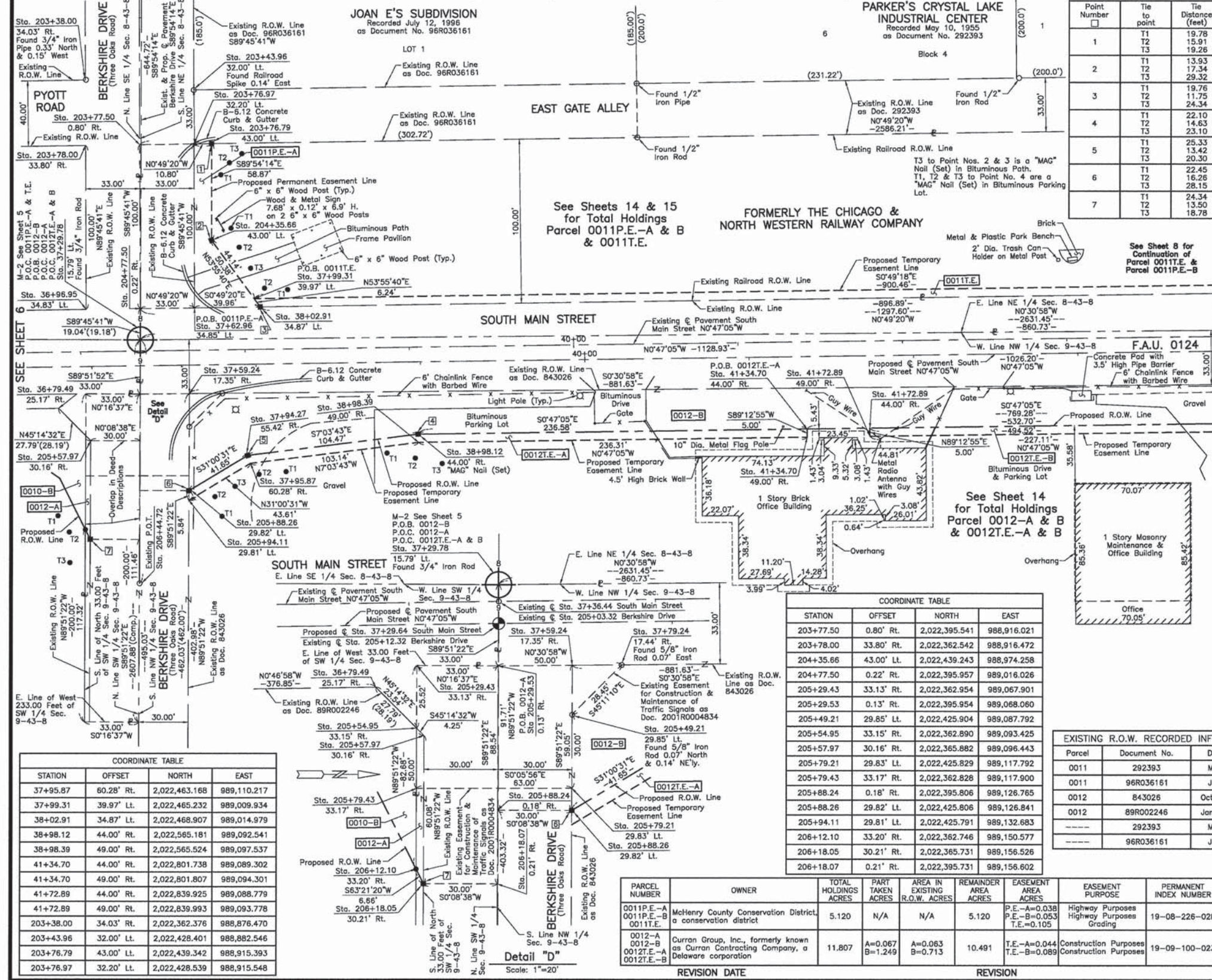
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown.

COORDINATE TABLE

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0124 (SOUTH MAIN STREET)
SECTION 08-00106-00-FP McHENRY COUNTY
PROJECT JOB NO. R-55-001-97
STATION 30+00 TO STATION 38+00
STATION 203+00 TO STATION 206+44.72
SCALE: 1"=30'
SHEET 6 OF 17

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

PART OF THE EAST 1/2 OF SEC. 8 AND PART OF THE WEST 1/2 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



Point Number	Tie to point	Tie Distance (feet)
1	T1	19.78
	T2	15.91
	T3	19.26
2	T1	13.93
	T2	17.34
	T3	24.34
3	T1	19.76
	T2	11.75
	T3	24.34
4	T1	22.10
	T2	14.63
	T3	23.10
5	T1	25.33
	T2	13.42
	T3	20.30
6	T1	22.45
	T2	16.26
	T3	28.15
7	T1	24.34
	T2	13.50
	T3	18.78

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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. STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

STATION	OFFSET	NORTH	EAST
203+77.50	0.80' Rt.	2,022,395.541	988,916.021
203+78.00	33.80' Rt.	2,022,362.542	988,916.472
204+35.66	43.00' Lt.	2,022,439.243	988,974.258
204+77.50	0.22' Rt.	2,022,395.957	989,016.026
205+29.43	33.13' Rt.	2,022,362.954	989,067.901
205+29.53	0.13' Rt.	2,022,395.954	989,068.060
205+49.21	29.85' Lt.	2,022,425.904	989,087.792
205+54.95	33.15' Rt.	2,022,362.890	989,093.425
205+57.97	30.16' Rt.	2,022,365.882	989,096.443
205+79.21	29.83' Lt.	2,022,425.829	989,117.792
205+79.43	33.17' Rt.	2,022,362.828	989,117.900
205+88.24	0.18' Rt.	2,022,395.806	989,126.785
205+88.26	29.82' Lt.	2,022,425.806	989,126.841
205+94.11	29.81' Lt.	2,022,425.791	989,132.683
206+12.10	33.20' Rt.	2,022,362.746	989,150.577
206+18.05	30.21' Rt.	2,022,365.731	989,156.526
206+18.07	0.21' Rt.	2,022,395.731	989,156.602

Parcel	Document No.	Date Recorded
0011	292393	May 10, 1955
0011	96R036161	July 12, 1996
0012	843026	October 15, 1982
0012	89R002246	January 23, 1989
-----	292393	May 10, 1955
-----	96R036161	July 12, 1996

STATION	OFFSET	NORTH	EAST
37+95.87	60.28' Rt.	2,022,463.168	989,110.217
37+99.31	39.97' Lt.	2,022,465.232	989,009.934
38+02.91	34.87' Lt.	2,022,468.907	989,014.979
38+98.12	44.00' Rt.	2,022,565.181	989,092.541
38+98.39	49.00' Rt.	2,022,565.524	989,097.537
41+34.70	44.00' Rt.	2,022,801.738	989,089.302
41+34.70	49.00' Rt.	2,022,801.807	989,094.301
41+72.89	44.00' Rt.	2,022,839.925	989,088.779
41+72.89	49.00' Rt.	2,022,839.993	989,093.778
203+38.00	34.03' Rt.	2,022,362.376	988,876.470
203+43.96	32.00' Lt.	2,022,428.401	988,882.546
203+76.79	43.00' Lt.	2,022,439.342	988,915.393
203+76.97	32.20' Lt.	2,022,428.539	988,915.548

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0011P.E.-A 0011P.E.-B 0011T.E.	McHenry County Conservation District, a conservation district	5.120	N/A	N/A	5.120	P.E.-A=0.038 P.E.-B=0.053 T.E.=0.105	Highway Purposes Highway Purposes Grading	19-08-226-028	
0012-A 0012-B 0012T.E.-A 0012T.E.-B	Curran Group, Inc., formerly known as Curran Contracting Company, a Delaware corporation	11.807	A=0.067 B=1.249	A=0.063 B=0.713	10.491	T.E.-A=0.044 T.E.-B=0.089	Construction Purposes Construction Purposes	19-09-100-023	

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0124 (SOUTH MAIN STREET)

SECTION 08-00106-00-FP McHENRY COUNTY
PROJECT JOB NO. R-55-001-97
STATION 36+00 TO STATION 44+00
STATION 203+00 TO STATION 206+44.72
SCALE: 1"=30' SHEET 7 OF 17

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = G:\CH1\0113\Road\Sheets\Plat of Highway
USER NAME = jorgansz
DESIGNED -
DRAWN -
PLOT SCALE = 50.0001 ft / in.
PLOT DATE = 7/17/2014

REVISION DATE REVISION MADE BY

DESIGNED -
DRAWN -
CHECKED -
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET
PLAT OF HIGHWAYS

SCALE: NONE SHEET NO. 6 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	105

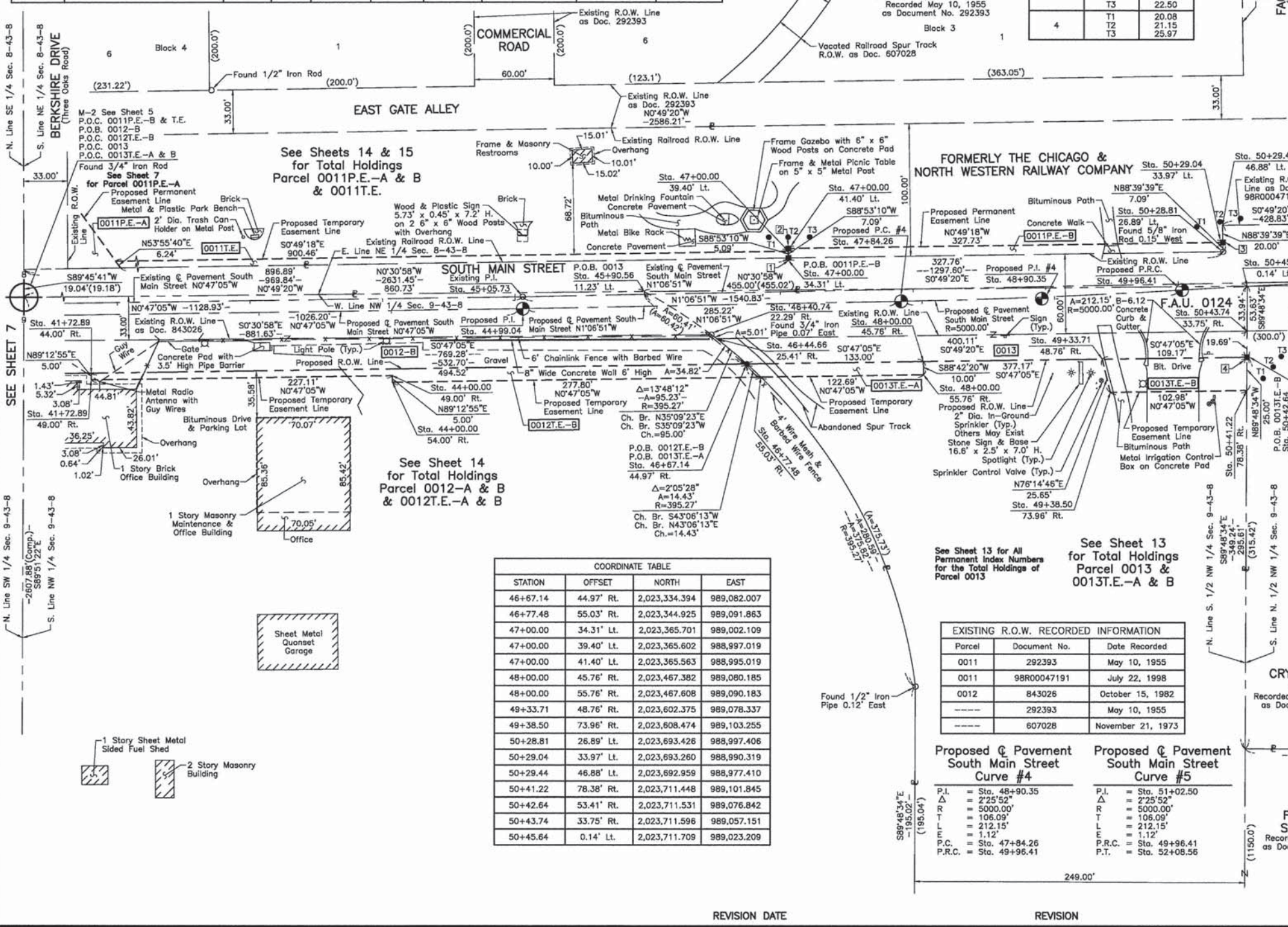
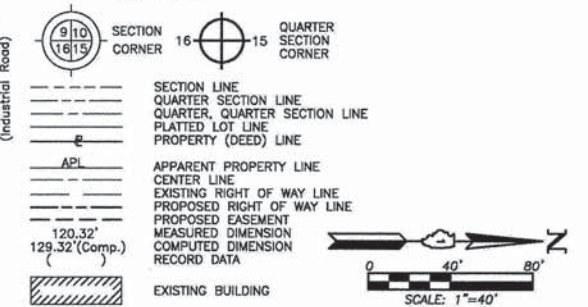
CONTRACT NO. 63843
ILLINOIS FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 8 AND PART OF THE NW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0011P.E.-A 0011P.E.-B 0011T.E.	McHenry County Conservation District, a conservation district	5.120	N/A	N/A	5.120	P.E.-A=0.038 P.E.-B=0.053 T.E.=0.105	Highway Purposes Highway Purposes Grading	19-08-226-028	
0012-A 0012-B 0012T.E.-A 0012T.E.-B	Curran Group, Inc., formerly known as Curran Contracting Company, a Delaware corporation	11.807	A=0.067 B=1.249	A=0.063 B=0.713	10.491	T.E.-A=0.044 T.E.-B=0.089	Construction Purposes Construction Purposes	19-09-100-023	
0013 0013T.E.-A 0013T.E.-B	City of Crystal Lake, an Illinois municipal corporation	35.822	0.517	0.343	35.305	T.E.-A=0.029 T.E.-B=0.061	Construction Purposes Construction Purposes	19-09-100-025 19-09-100-026 19-09-100-027	

Point Number	Tie to point	Tie Distance (feet)
1	T1	21.58
	T2	15.63
	T3	22.37
2	T1	17.05
	T2	8.54
	T3	18.23
3	T1	22.93
	T2	15.73
	T3	22.50
4	T1	20.08
	T3	25.97

LEGEND



STATION	OFFSET	NORTH	EAST
46+67.14	44.97' Rt.	2,023,334.394	989,082.007
46+77.48	55.03' Rt.	2,023,344.925	989,091.863
47+00.00	34.31' Lt.	2,023,365.701	989,002.109
47+00.00	39.40' Lt.	2,023,365.602	988,997.019
47+00.00	41.40' Lt.	2,023,365.563	988,995.019
48+00.00	45.76' Rt.	2,023,467.382	989,080.185
48+00.00	55.76' Rt.	2,023,467.608	989,090.183
49+33.71	48.76' Rt.	2,023,602.375	989,078.337
49+38.50	73.96' Rt.	2,023,608.474	989,103.255
50+28.81	26.89' Lt.	2,023,693.426	988,997.406
50+29.04	33.97' Lt.	2,023,693.260	988,990.319
50+29.44	46.88' Lt.	2,023,692.959	988,977.410
50+41.22	78.38' Rt.	2,023,711.448	989,101.845
50+42.64	53.41' Rt.	2,023,711.531	989,076.842
50+43.74	33.75' Rt.	2,023,711.596	989,057.151
50+45.64	0.14' Lt.	2,023,711.709	989,023.209

Parcel	Document No.	Date Recorded
0011	292393	May 10, 1955
0011	98R00047191	July 22, 1998
0012	843026	October 15, 1982
---	292393	May 10, 1955
---	607028	November 21, 1973

Proposed Pavement South Main Street Curve #4		Proposed Pavement South Main Street Curve #5	
P.I.	= Sta. 48+90.35	P.I.	= Sta. 51+02.50
Δ	= 2'25"52"	Δ	= 2'25"52"
R	= 5000.00'	R	= 5000.00'
T	= 106.09'	T	= 106.09'
L	= 212.15'	L	= 212.15'
E	= 1.12'	E	= 1.12'
P.C.	= Sta. 47+84.26	P.R.C.	= Sta. 49+96.41
P.R.C.	= Sta. 49+96.41	P.T.	= Sta. 52+08.56

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

STATION	OFFSET	NORTH	EAST
41+72.89	44.00' Rt.	2,022,839.925	989,088.779
41+72.89	49.00' Rt.	2,022,839.993	989,093.778
44+00.00	49.00' Rt.	2,023,067.086	989,090.668
44+00.00	54.00' Rt.	2,023,067.155	989,095.668
45+90.56	11.23' Lt.	2,023,256.728	989,027.308
46+40.74	22.29' Rt.	2,023,307.550	989,059.851
46+44.66	25.41' Rt.	2,023,311.531	989,062.892

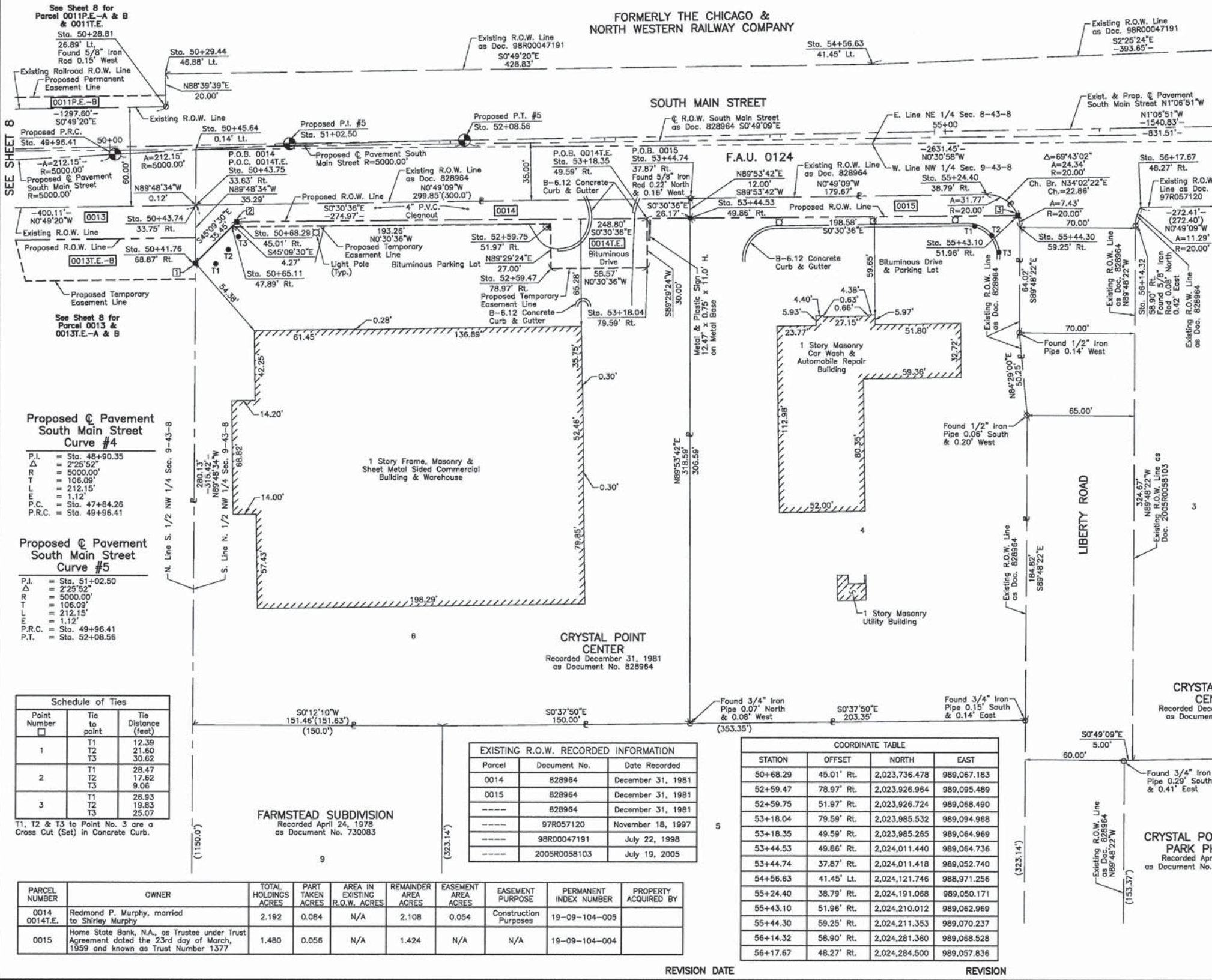
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 41+00 TO STATION 51+00
 SCALE: 1"=40' SHEET 8 OF 17

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

PART OF THE NE 1/4 OF SEC. 8 AND PART OF THE NW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

FORMERLY THE CHICAGO & NORTH WESTERN RAILWAY COMPANY



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

Proposed Pavement South Main Street Curve #4

P.I. = Sta. 48+90.35
 Δ = 2°25'52"
 R = 5000.00'
 T = 108.09'
 L = 212.15'
 P.C. = Sta. 47+84.26
 P.R.C. = Sta. 49+96.41

Proposed Pavement South Main Street Curve #5

P.I. = Sta. 51+02.50
 Δ = 2°25'52"
 R = 5000.00'
 T = 108.09'
 L = 212.15'
 P.C. = Sta. 49+96.41
 P.T. = Sta. 52+08.56

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	12.39
	T2	21.60
	T3	30.82
2	T1	28.47
	T2	17.62
	T3	9.06
3	T1	26.93
	T2	19.83
	T3	25.07

T1, T2 & T3 to Point No. 3 are a Cross Cut (Set) in Concrete Curb.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0014	Redmond P. Murphy, married to Shirley Murphy	2.192	0.084	N/A	2.108	0.054	Construction Purposes	19-09-104-005	
0015	Home State Bank, N.A., as Trustee under Trust Agreement dated the 23rd day of March, 1959 and known as Trust Number 1377	1.480	0.056	N/A	1.424	N/A	N/A	19-09-104-004	

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0014	828964	December 31, 1981
0015	828964	December 31, 1981
-----	828964	December 31, 1981
-----	97R057120	November 18, 1997
-----	98R00047191	July 22, 1998
-----	2005R0058103	July 19, 2005

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
50+68.29	45.01' Rt.	2,023,736.478	989,067.183
52+59.47	78.97' Rt.	2,023,926.964	989,095.489
52+59.75	51.97' Rt.	2,023,926.724	989,068.490
53+18.04	79.59' Rt.	2,023,985.532	989,094.968
53+18.35	49.59' Rt.	2,023,985.265	989,064.969
53+44.53	49.86' Rt.	2,024,011.440	989,064.736
53+44.74	37.87' Rt.	2,024,011.418	989,052.740
54+56.63	41.45' Lt.	2,024,121.746	988,971.256
55+24.40	38.79' Rt.	2,024,191.068	989,050.171
55+43.10	51.96' Rt.	2,024,210.012	989,062.969
55+44.30	59.25' Rt.	2,024,211.353	989,070.237
56+14.32	58.90' Rt.	2,024,281.360	989,068.528
56+17.67	48.27' Rt.	2,024,284.500	989,057.836

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
50+28.81	26.89' Lt.	2,023,693.426	988,997.406
50+29.44	46.88' Lt.	2,023,692.959	988,977.410
50+41.76	68.87' Rt.	2,023,711.479	989,092.320
50+43.74	33.75' Rt.	2,023,711.596	989,057.151
50+43.75	33.63' Rt.	2,023,711.597	989,057.028
50+45.64	0.14' Lt.	2,023,711.709	989,023.209
50+65.11	47.89' Rt.	2,023,733.468	989,070.210

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60048
 (847) 358-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 49+00 TO STATION 57+00
 SCALE: 1"=30' SHEET 8 OF 17

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

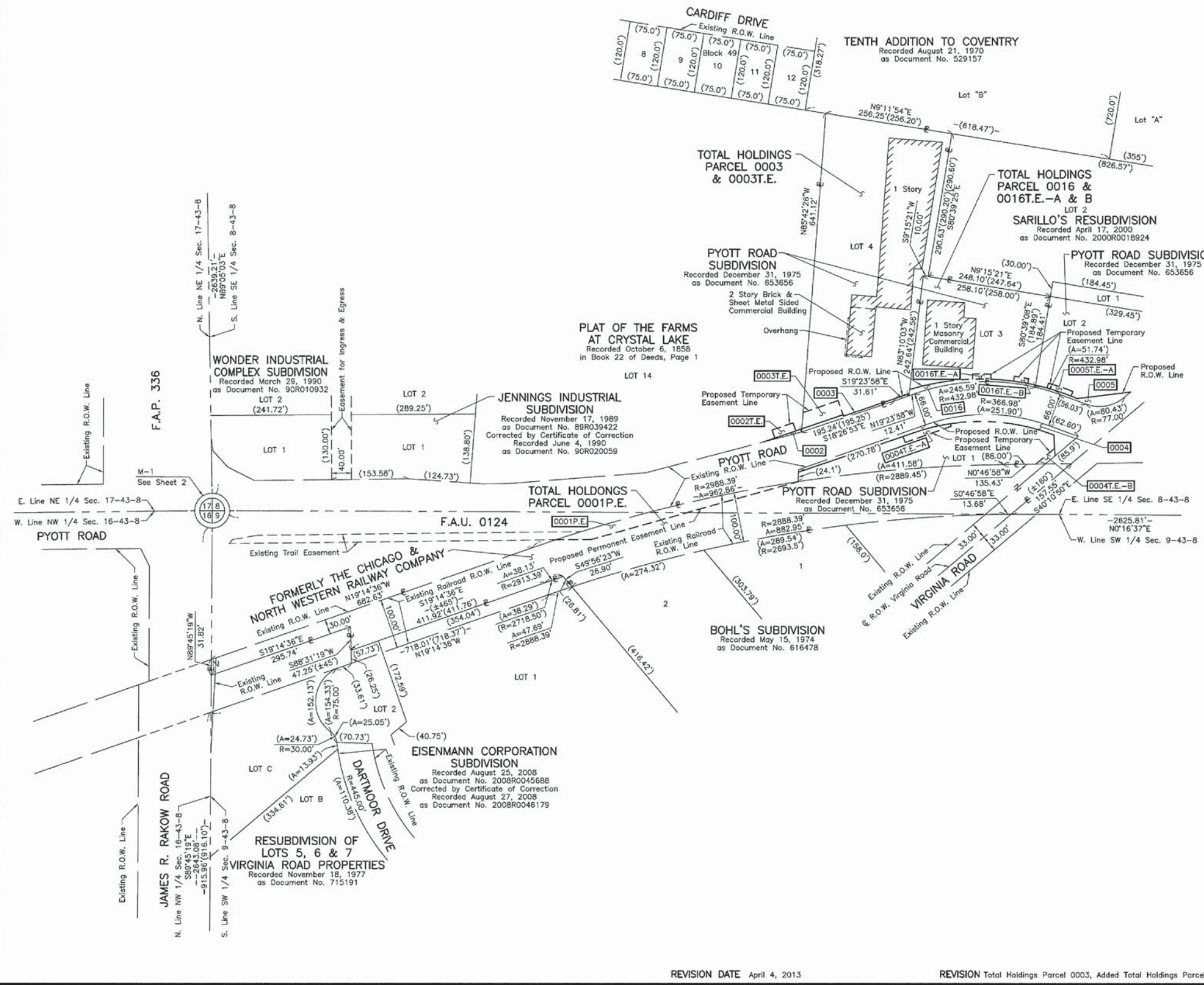
USER NAME	DESIGNED	REVISION
jalorincz	-	-
Budgn	-	-
PLOT SCALE = 58,000:1 ft / in.	CHECKED	REVISION
PLOT DATE = 7/17/2014	DATE	REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE	SHEET NO.	STA.	TO STA.
NONE	8 OF 16 SHEETS		

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	107
				CONTRACT NO. 63843
ILLINOIS FED. AID PROJECT				

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER 16 SECTION CORNER 15

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER
SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0124 (SOUTH MAIN STREET)
SECTION 08-00106-00-FP McHENRY COUNTY
PROJECT JOB NO. R-55-001-97
STATION NONE TO STATION
SCALE: 1"=100' SHEET 10 OF 17

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

REVISION DATE April 4, 2013 REVISION Total Holdings Parcel 0003, Added Total Holdings Parcel 0016 MADE BY

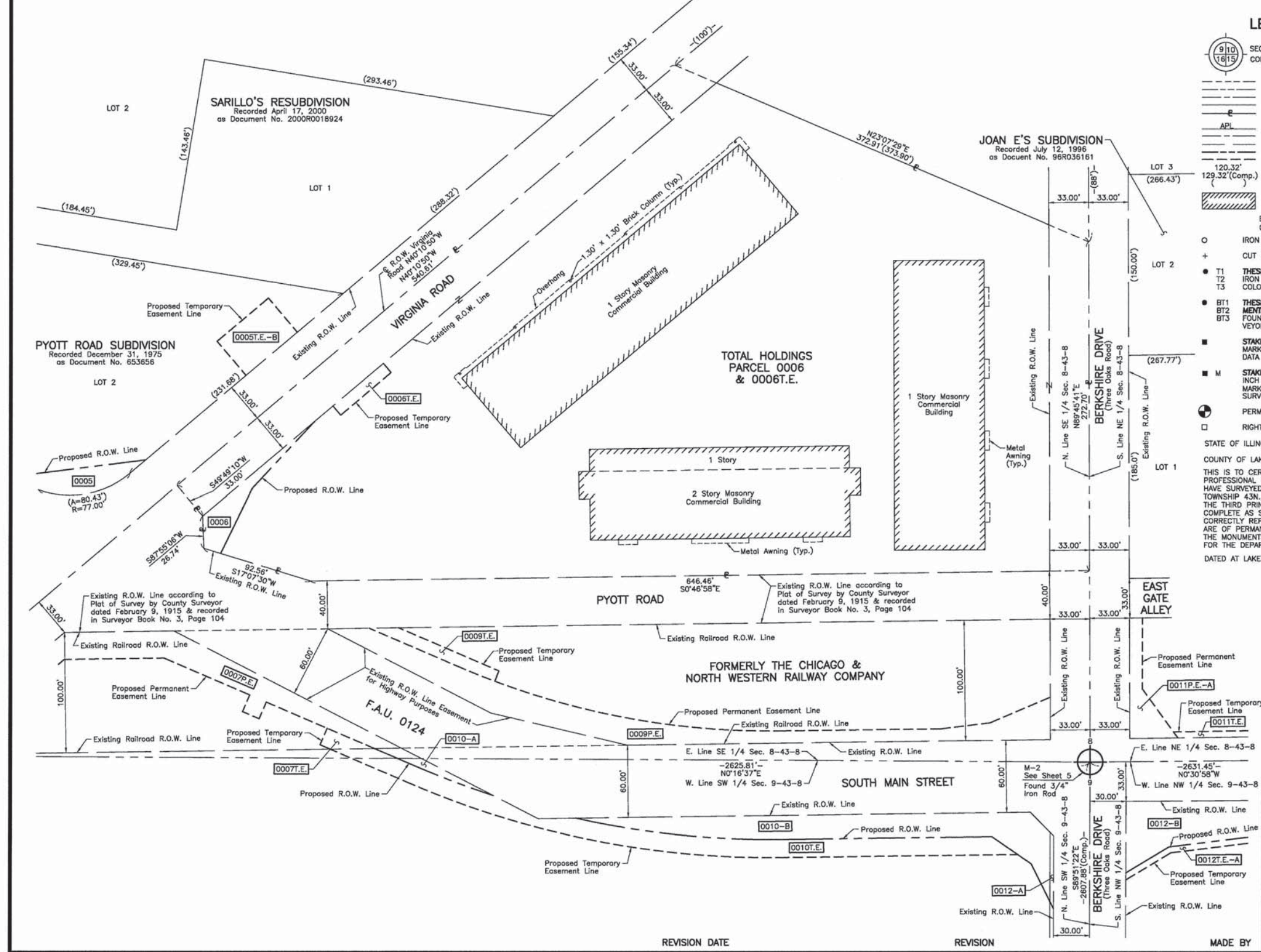
ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME =	USER NAME = jslorincz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PLAT OF HIGHWAYS	SCALE: NONE	SHEET NO. 9 OF 16 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
G:\CH11\0113\Road\Sheets\Plat of Highway	9.dgn	DRAWN -	REVISED -								
		CHECKED -	REVISED -								
		DATE -	REVISED -								

PLAT SCALE = 50,000 ft / in.	CHECKED -	REVISED -
PLAT DATE = 7/17/2014	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	108
CONTRACT NO. 63843				

PART OF THE EAST 1/2 OF SEC. 8 AND PART OF THE WEST 1/2 OF SEC 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
 - QUARTER SECTION CORNER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - API
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - "MAG" NAIL SET
 - CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 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.
 - BT2 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.
 - BT3 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 STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS ____ DAY OF _____, 20__ A.D.

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60048
 (847) 356-3371

PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION NONE TO STATION
 SCALE: 1"=40' SHEET 11 OF 17

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME +	USER NAME + jalarinez	DESIGNED -	REVISED -
G:\CH11\0112\Road\Sheets\Plat of Highway	10.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50,000 ft / in.	CHECKED -	REVISED -
	PLOT DATE = 7/17/2014	DATE -	REVISED -

STATE OF ILLINOIS	DESIGNED -	REVISED -
DEPARTMENT OF TRANSPORTATION	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

REVISION DATE

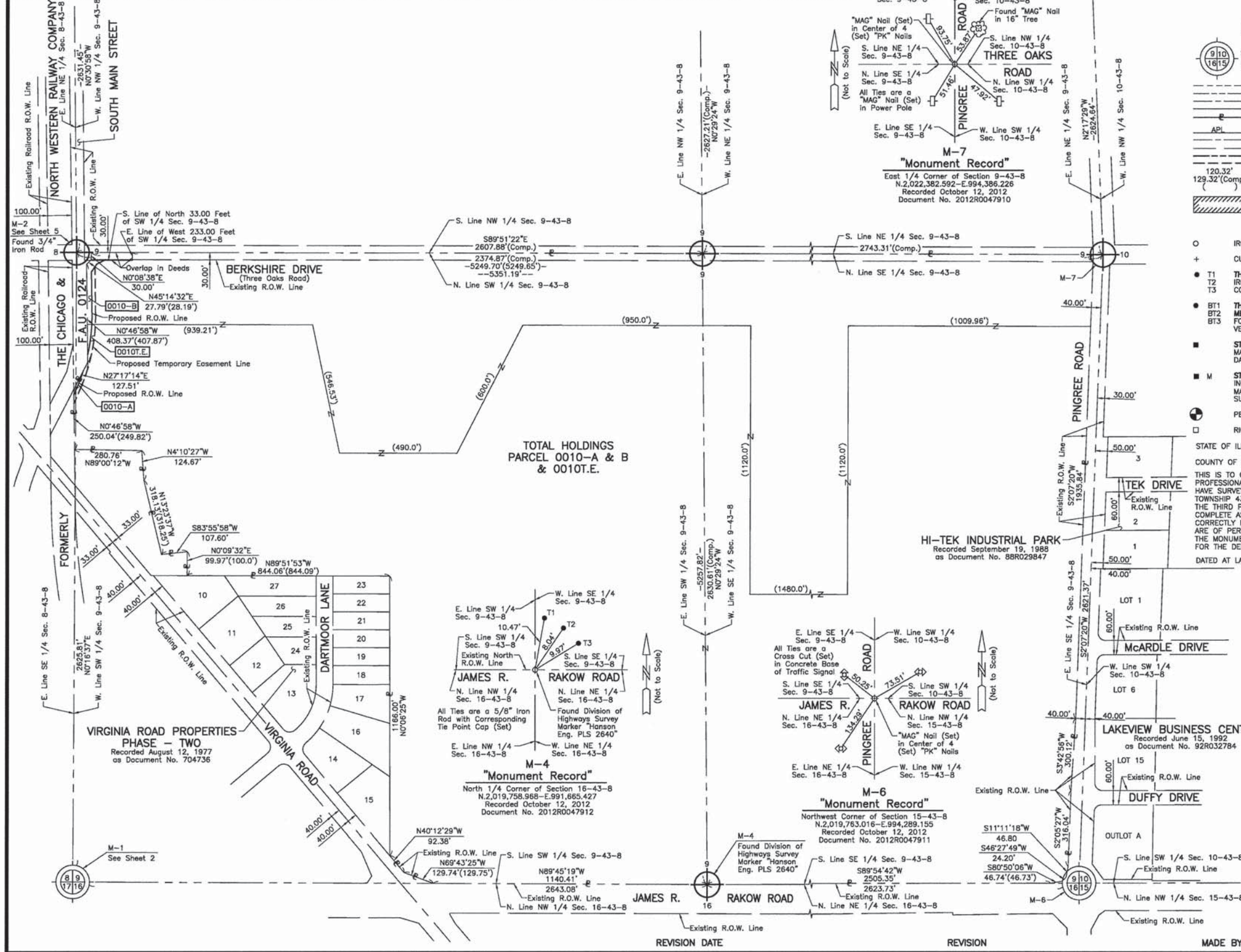
REVISION

MADE BY

SCALE: NONE	SHEET NO. 10 OF 16 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	109
			CONTRACT NO.	63843
ILLINOIS FED. AID PROJECT				

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
 - QUARTER SECTION CORNER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - "MAG" NAIL SET
 - CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - 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. STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

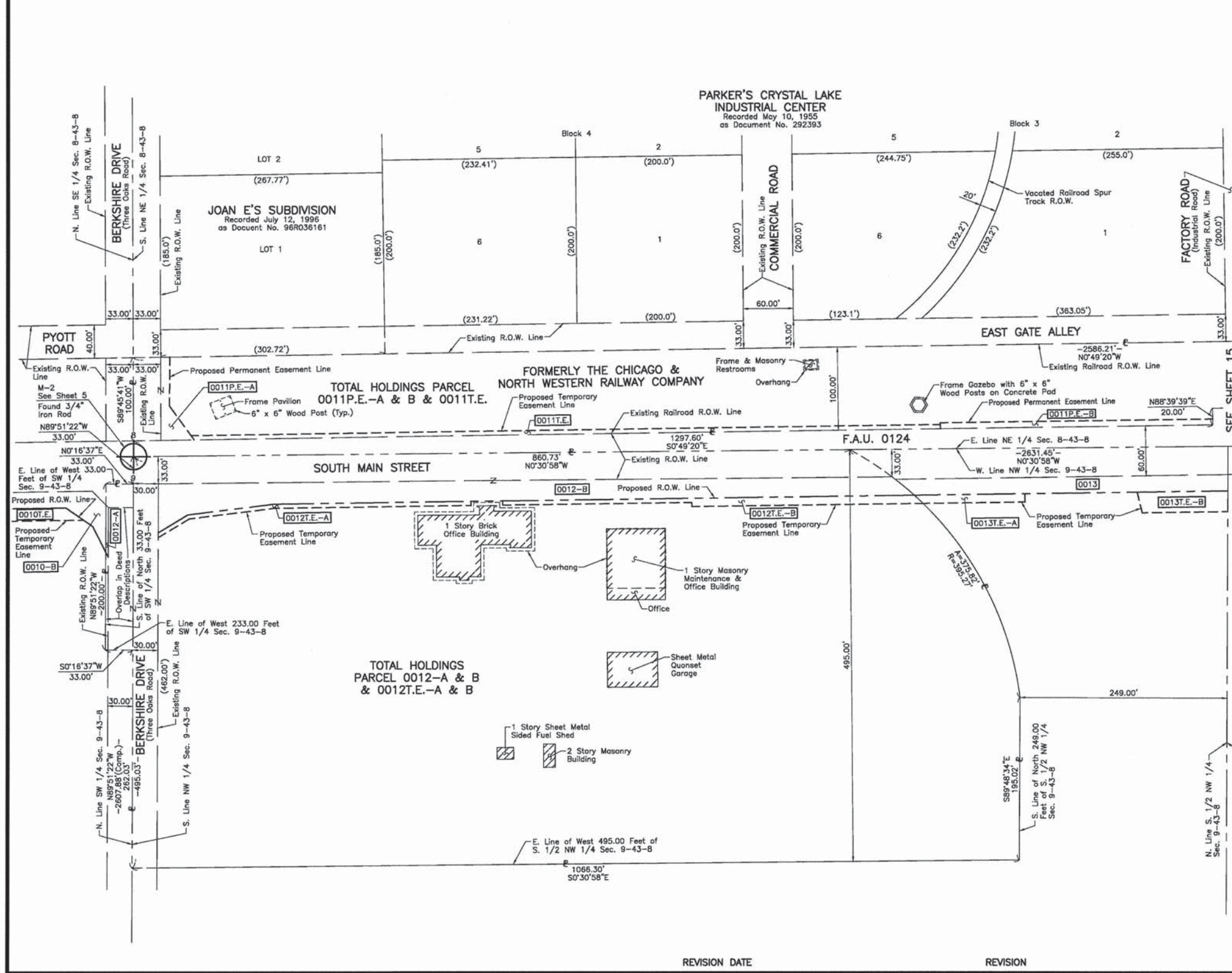
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION NONE TO STATION
 SCALE: 1"=200' SHEET 12 OF 12

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = G:\CH11\0113\Road\Sheets\Plat of Highway	USER NAME = jalorincz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PLAT OF HIGHWAYS	F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 110
		DRAWN -	REVISED -	SCALE: NONE	SHEET NO. 11 OF 16 SHEETS	0124	08-00106-00-FP	McHENRY	CONTRACT NO. 63843	ILLINOIS FED. AID PROJECT
		PLOT SCALE = 58,000 ft / in.	REVISED -	MADE BY	STA.					
		PLOT DATE = 7/17/2014	REVISED -	REVISION DATE	REVISION					

PART OF THE EAST 1/2 OF SEC. 8 AND PART OF THE WEST 1/2 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
 - QUARTER SECTION CORNER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - "MAG" NAIL SET
 - CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - 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. STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____, 20____ A.D.

 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046 (847) 356-3371 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION NONE TO STATION
 SCALE: 1"=60' SHEET 14 OF 17

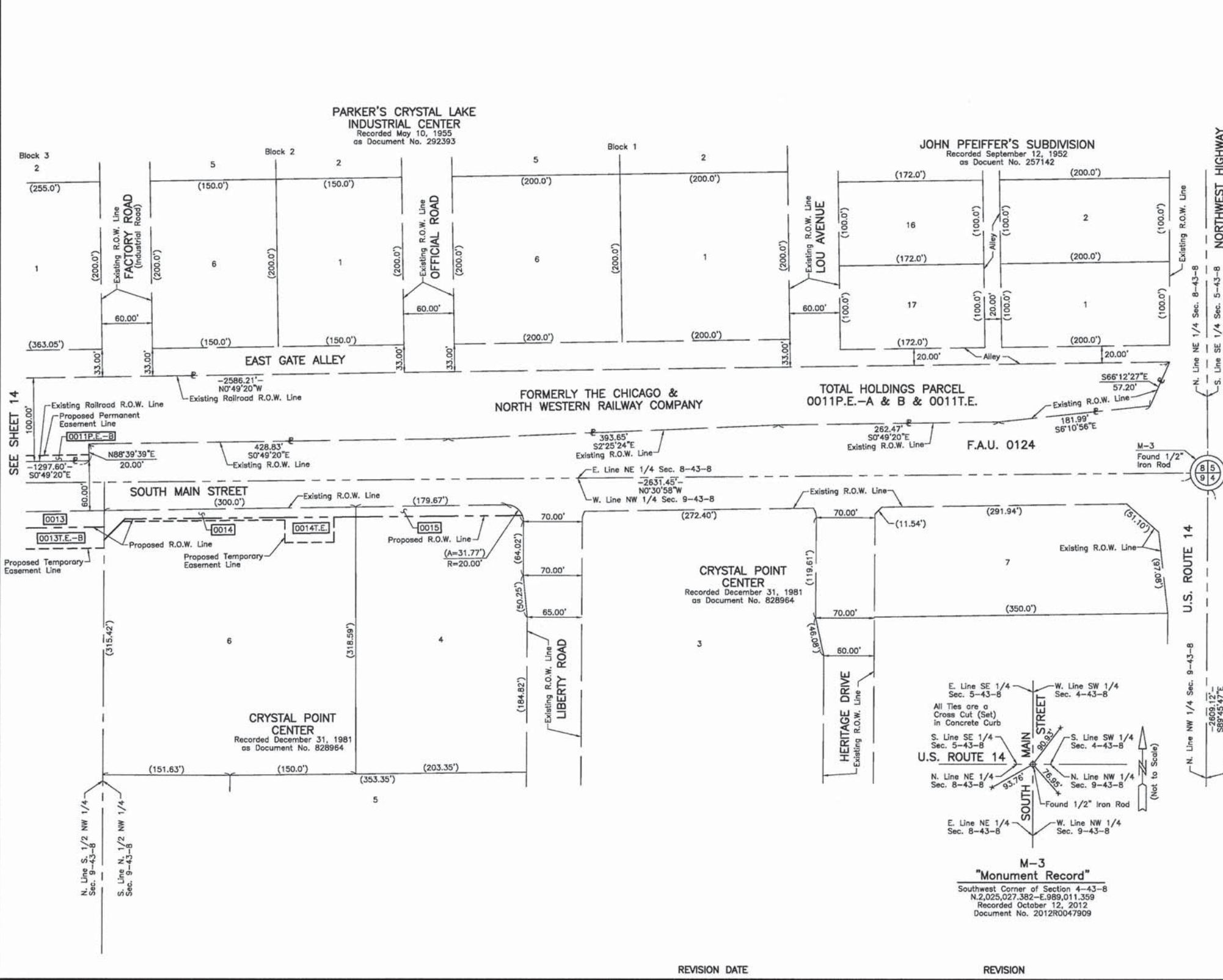
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = G:\CH1\N\133\Road\Sheets\Plat of Highway	USER NAME = jorgense	DESIGNED -	REVISION -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PLAT OF HIGHWAYS	SCALE: NONE	SHEET NO. 13 OF 16 SHEETS	STA.	TO STA.	F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 112	CONTRACT NO. 63843	
		DRAWN -	REVISED -													
		CHECKED -	REVISED -													
		DATE -	REVISED -													

ILLINOIS FED. AID PROJECT

PART OF THE NE 1/4 OF SEC. 8 AND PART OF THE NW 1/4 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - API
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - "MAG" NAIL SET
 - CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T3 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - 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. STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60048
 (847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION NONE TO STATION
 SCALE: 1"=60' SHEET 15 OF 17

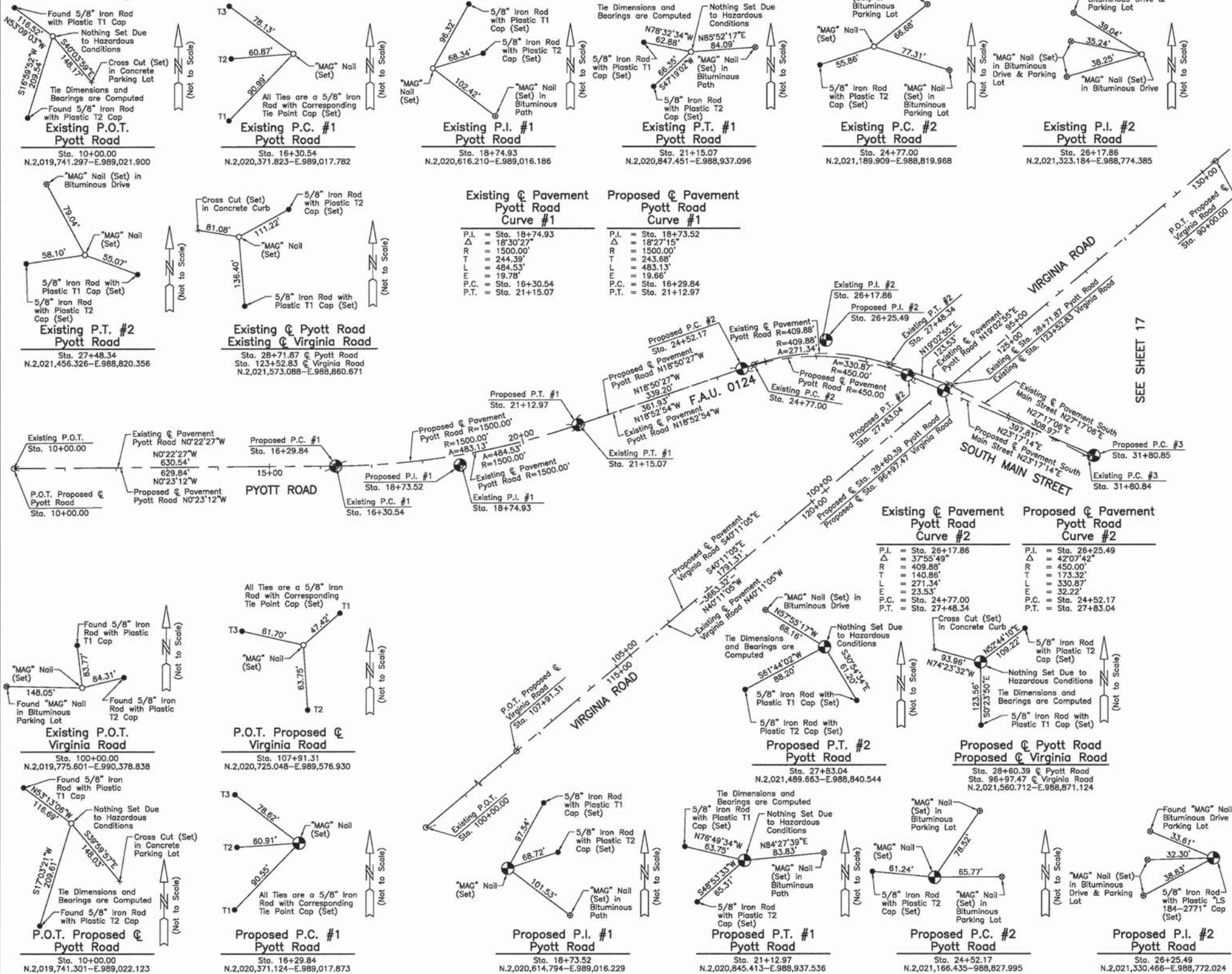
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.U. 0124 (SOUTH MAIN STREET)	SECTION 08-00106-00-FP	COUNTY McHENRY	JOB NO. R-55-001-97	RECORDING: RECORDED ON	AS DOCUMENT NO.
USER NAME = jgarnoz	DESIGNED -	REVISED -	STATE OF ILLINOIS	SOUTH MAIN STREET	
14.dgn	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS	
PLOT SCALE = 50,000 Ft / in.	CHECKED -	REVISED -	SCALE: NONE	SHEET NO. 14 OF 16 SHEETS	STA. TO STA.
PLOT DATE = 7/17/2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT		

FILE NAME =
 G:\CH11\0113\Road\Sheets\Plat of Highway

TOTAL SHEETS 232
 SHEET NO. 113
 CONTRACT NO. 63843

PART OF THE SE 1/4 OF SEC. 8, PART OF THE SW 1/4 OF SEC. 9, PART OF THE NW 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 17, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - "MAG" NAIL SET
 - CUT CROSS FOUND OR SET
 - 5/8 REBAR SET
 - T1 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T3 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - B1/B2/B3 IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - 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 STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 9, TOWNSHIP 43N., RANGE 8E. AND SECTION 17, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 0124 (SOUTH MAIN STREET)
 SECTION 08-00106-00-FP McHENRY COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 10+00.00 TO STATION 31+80.85
 STATION 90+00.00 TO STATION 107+91.31
 SCALE: 1"=100' SHEET 16 OF 17

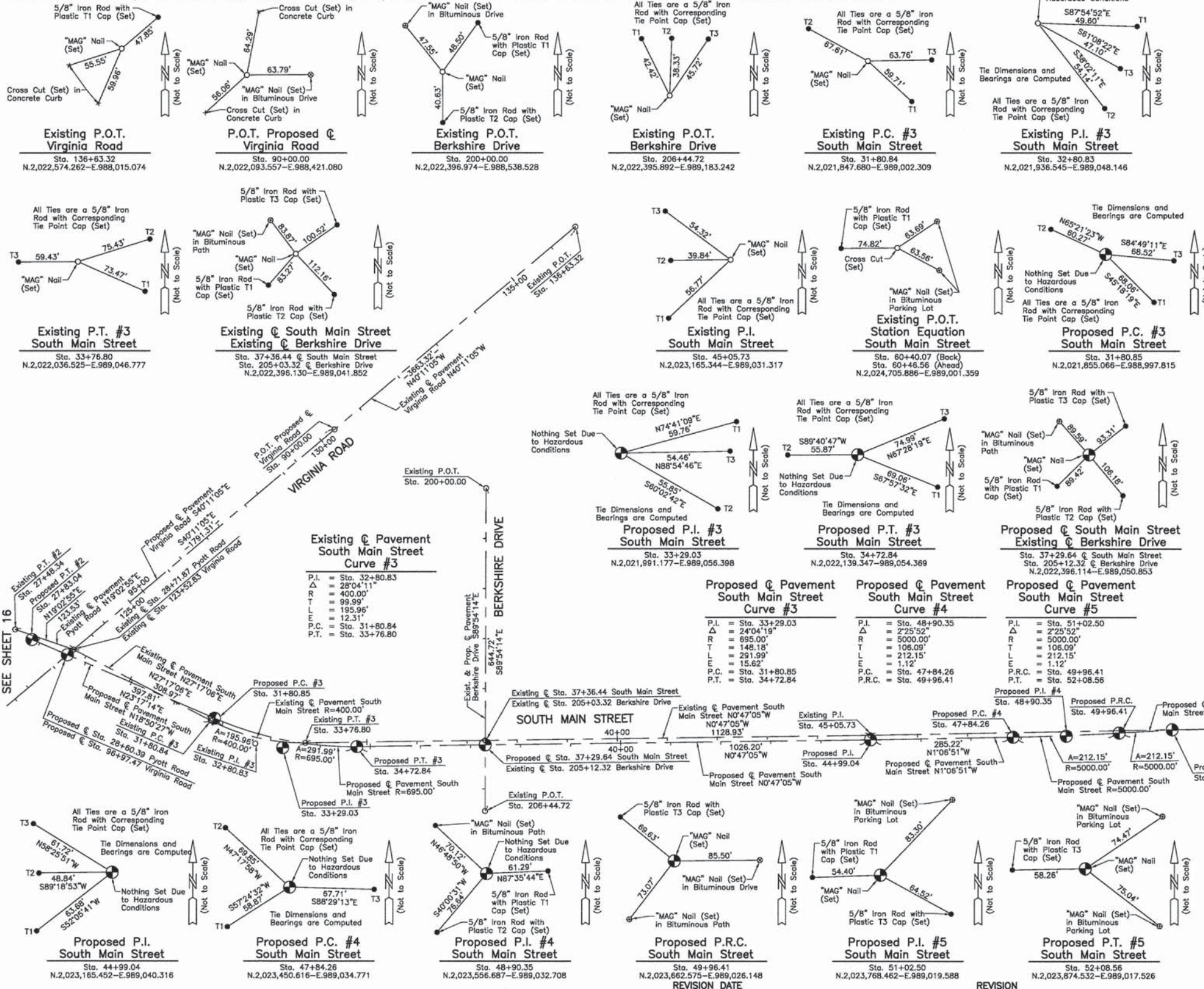
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

ROUTE F.A.U. 0124 (SOUTH MAIN STREET) SECTION 08-00106-00-FP COUNTY McHENRY JOB NO. R-55-001-97 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME: G:\CH1\0113\Road\Sheets\Plat of Highway	USER NAME: jgornicz	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PLAT OF HIGHWAYS	F.A.U. RTE.: 0124	SECTION: 08-00106-00-FP	COUNTY: McHENRY	TOTAL SHEETS: 232	SHEET NO.: 114
	DESIGNED: 15.dgn	DRAWN: -	REVISED: -							
	PLOT SCALE: 58,0001 ft / in.	CHECKED: -	REVISED: -							
	PLOT DATE: 7/17/2014	DATE: -	REVISED: -							

SCALE: NONE	SHEET NO. 15 OF 16 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
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PART OF THE EAST 1/2 OF SEC. 8 AND PART OF THE WEST 1/2 OF SEC. 9, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER 15

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- ⊙ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1
- T2
- T3
- BT1
- BT2
- BT3
- 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. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 43N., RANGE 8E. AND SECTION 9, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY 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 TRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0124 (SOUTH MAIN STREET)

SECTION 08-00106-00-FP McHENRY COUNTY
PROJECT JOB NO. R-55-001-97
STATION 27+83.04 TO STATION 60+40.07
STATION 90+00.00 TO STATION 97+00.00
STATION 200+00.00 TO STATION 206+44.72
SCALE: 1"=100' SHEET 17 OF 17

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

ROUTE F.A.U. 0124 (SOUTH MAIN STREET)		SECTION 08-00106-00-FP		COUNTY McHENRY		JOB NO. R-55-001-97		RECORDING: RECORDED ON		AS DOCUMENT NO.	
FILE NAME =	USER NAME = jalorncz	DESIGNED -	REVISION -	DESIGNED -	REVISION -	DESIGNED -	REVISION -	DESIGNED -	REVISION -	F.A.U. RTE.	TOTAL SHEETS NO.
G:\CH\1\0113\Road\Sheets\Plat of Highway	16.dgn	DRAWN -	REVISION -	DRAWN -	REVISION -	DRAWN -	REVISION -	DRAWN -	REVISION -	0124	232 115
	PLOT SCALE = 58,000 ft / in.	CHECKED -	REVISION -	CHECKED -	REVISION -	CHECKED -	REVISION -	CHECKED -	REVISION -		CONTRACT NO. 63843
	PLOT DATE = 7/17/2014	DATE -	REVISION -	DATE -	REVISION -	DATE -	REVISION -	DATE -	REVISION -		ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET
PLAT OF HIGHWAYS

SCALE: NONE SHEET NO. 16 OF 16 SHEETS STA. TO STA.



	STATION	OFFSET	ELEVATION
A	27+50.00	27.50	LT 896.67
B	27+89.36	29.50	LT 896.55
C	27+75.91	148.53	LT -----
D	27+91.34	27.50	LT 896.67
E	96+03.43	24.00	RT 895.89
F	94+75.00	22.95	RT 896.93
G	95+80.30	24.00	LT 896.07
H	96+00.00	28.36	LT 895.83
I	96+02.47	36.70	LT 895.64
J	29+63.90	58.50	LT -----
K	96+15.83	36.00	LT 895.58
L	29+56.22	29.50	LT 895.06
M	29+64.89	27.50	LT 895.09
N	29+75.00	27.50	LT 894.98
O	29+91.71	27.50	LT 894.81
P	29+91.43	23.50	LT 894.89
Q	97+59.77	58.76	RT 895.15
R	97+88.66	52.43	RT -----
S	97+79.20	24.00	RT 895.51
T	97+85.08	22.60	RT 895.55
U	98+25.00	17.81	RT 895.77
V	98+43.00	15.65	RT 895.85
W	97+85.57	36.00	LT 895.29
X	97+85.57	156.00	LT -----
Y	97+50.00	41.39	LT 895.25
Z	29+45.16	29.50	RT 895.28
AA	99+00.00	36.00	LT 895.47

• STATIONING REFERENCES VIRGINIA ROAD

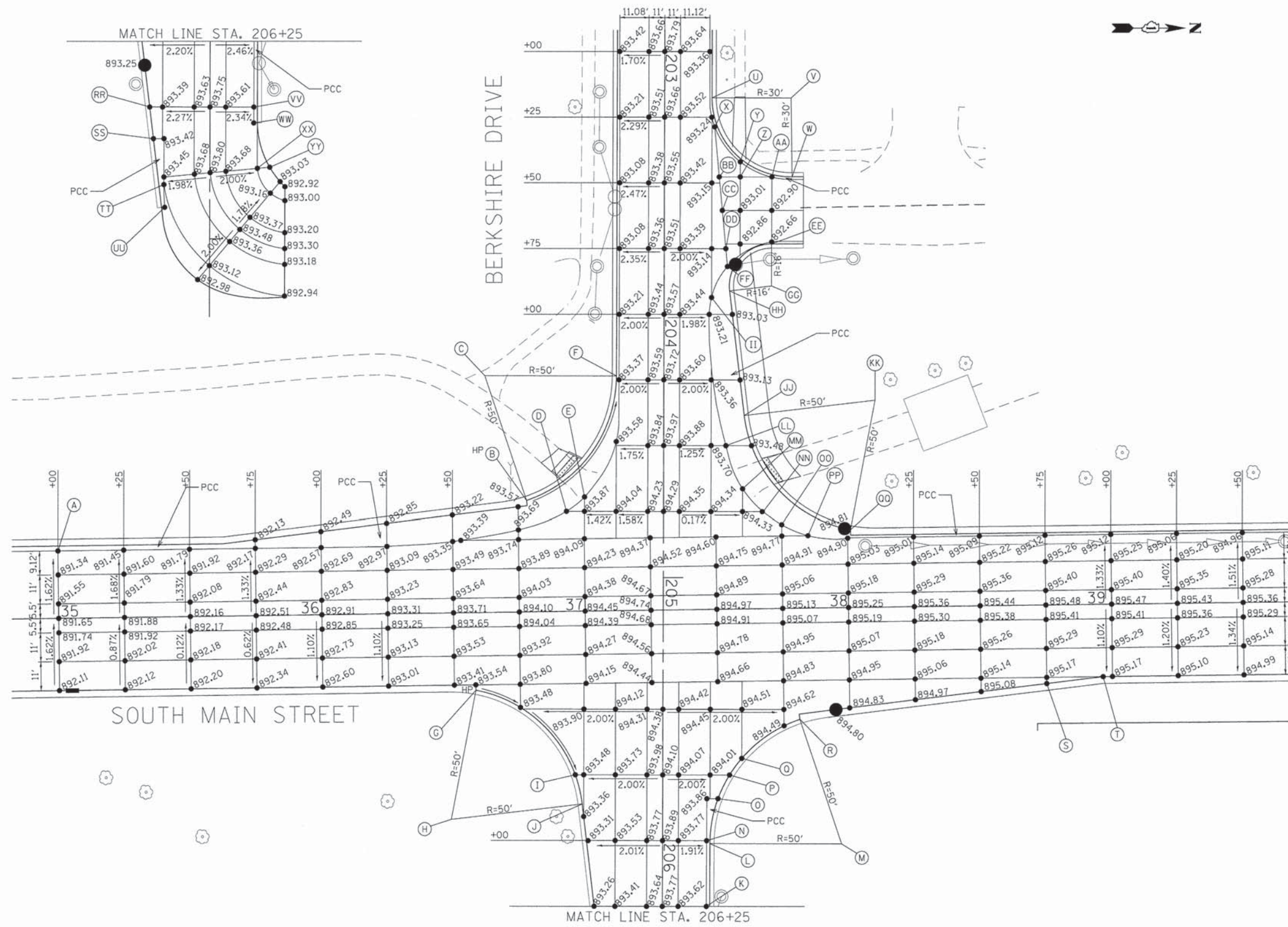
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

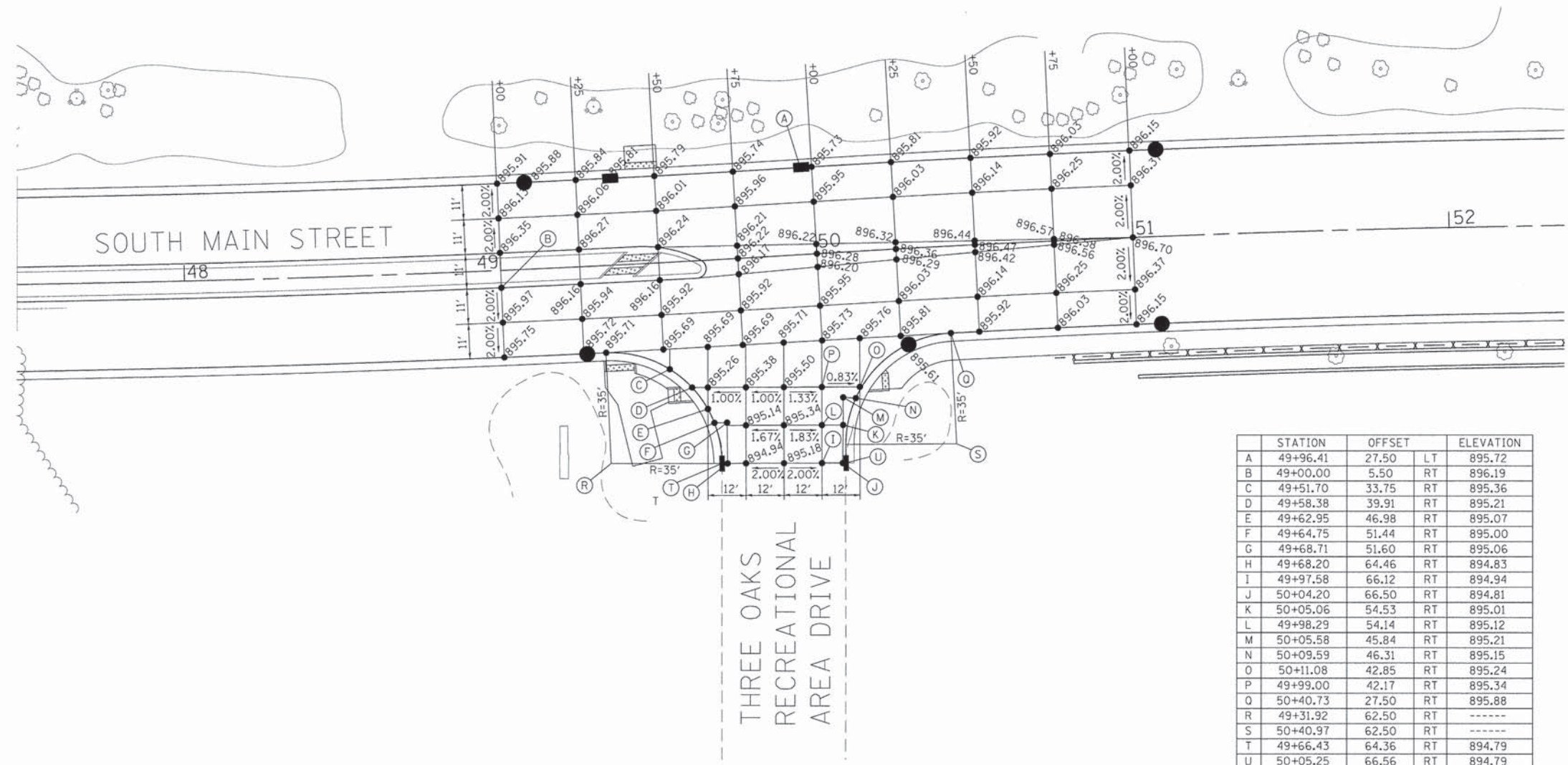
**SOUTH MAIN STREET
INTERSECTION DETAILS - SOUTH MAIN / VIRGINIA**

SCALE: NTS SHEET NO. 1 OF 3 SHEETS STA. TO STA.

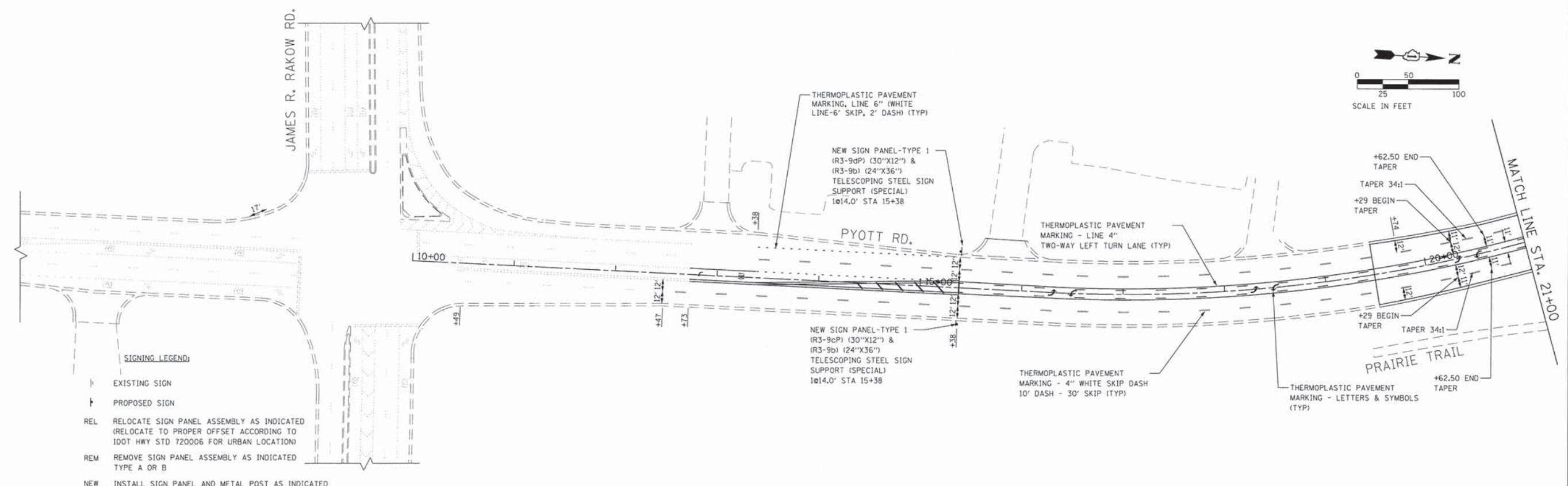
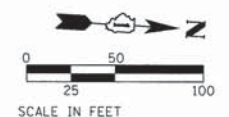
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	MCHENRY	232	116
CONTRACT NO. 63843				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET		ELEVATION
A	35+00.00	25.63	LT	891.17
B	204+70.91	52.02	RT	893.60
C	204+23.53	68.00	RT	-----
D	204+75.00	36.86	RT	893.79
E	204+69.55	30.00	RT	893.76
F	204+23.53	18.00	RT	893.34
G	205+42.92	71.02	RT	893.52
H	205+92.07	80.22	RT	-----
I	205+75.00	33.22	RT	893.41
J	205+86.11	30.57	RT	893.39
K	206+25.00	16.69	LT	893.36
L	206+01.12	18.00	LT	893.52
M	206+01.12	68.00	LT	-----
N	206+00.00	16.75	LT	893.57
O	205+84.01	21.02	LT	893.83
P	205+75.00	25.37	LT	894.00
Q	205+68.62	30.00	LT	894.14
R	205+53.74	52.02	LT	894.60
S	38+75.00	29.86	RT	895.15
T	38+96.46	27.50	RT	895.17
U	203+17.61	18.00	LT	893.27
V	203+17.61	48.00	LT	-----
W	203+47.61	48.46	LT	892.57
X	203+28.65	19.03	LT	893.20
Y	203+41.94	28.79	LT	892.90
Z	203+47.69	28.79	LT	892.91
AA	203+47.76	40.79	LT	892.71
BB	203+47.70	20.82	LT	893.09
CC	203+60.45	22.01	LT	893.08
DD	203+75.00	23.37	LT	893.01
EE	203+73.17	40.73	LT	892.64
FF	203+81.81	24.01	LT	893.01
GG	203+89.17	40.76	LT	-----
HH	203+91.07	24.88	LT	893.02
II	203+93.60	18.00	LT	893.17
JJ	204+38.54	30.57	LT	893.23
KK	204+32.58	80.22	LT	-----
LL	204+50.00	23.61	LT	893.63
MM	204+66.36	30.00	LT	894.03
NN	204+75.00	37.83	LT	894.35
OO	204+79.85	44.87	LT	894.58
PP	204+83.98	54.87	LT	894.82
QQ	204+81.73	71.02	LT	894.86
RR	206+50.00	22.91	RT	893.29
SS	206+62.07	21.46	RT	893.34
TT	206+79.51	17.44	RT	893.45
UU	206+88.20	17.12	RT	893.41
VV	206+50.00	16.68	LT	893.36
WW	206+56.05	16.64	LT	893.42
XX	206+73.32	18.06	LT	893.44
YY	206+72.88	22.75	LT	893.31

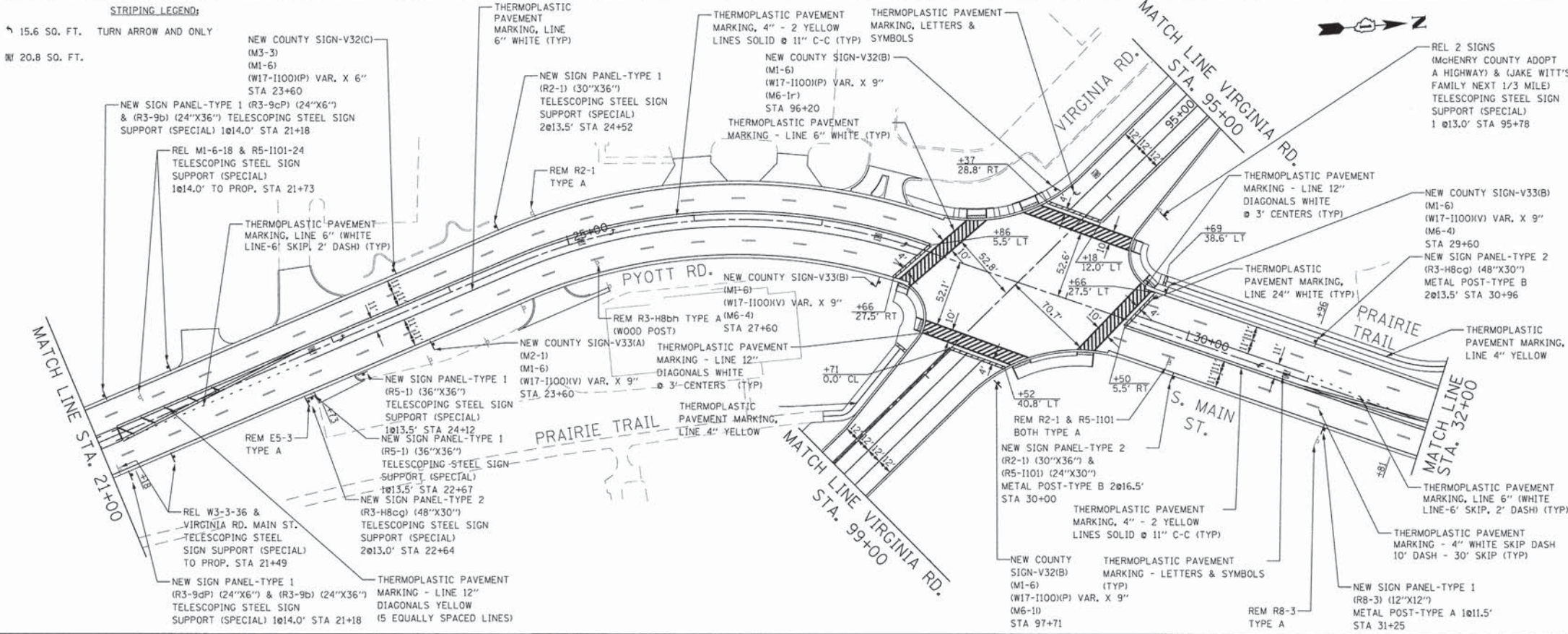


FILE NAME = G:\CH11\0113\Road\Sheets\113pp003.dgn	USER NAME = jelorinez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET INTERSECTION DETAILS - SOUTH MAIN / THREE OAKS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 28,0000 ' / in.	DRAWN -	REVISED -		SCALE: NTS	SHEET NO. 3 OF 3 SHEETS	STA.	0124	08-00106-00-FP	MCHENRY	232	118
	PLOT DATE = 7/17/2014	CHECKED -	REVISED -		TO STA.			CONTRACT NO. 63843				
		DATE -	REVISED -					(ILLINOIS) FED. AID PROJECT				



- SIGNING LEGEND:**
- EXISTING SIGN
 - PROPOSED SIGN
 - REL RELOCATE SIGN PANEL ASSEMBLY AS INDICATED (RELOCATE TO PROPER OFFSET ACCORDING TO IDOT HWY STD 720006 FOR URBAN LOCATION)
 - REM REMOVE SIGN PANEL ASSEMBLY AS INDICATED TYPE A OR B
 - NEW INSTALL SIGN PANEL AND METAL POST AS INDICATED

- STRIPING LEGEND:**
- 15.6 SO. FT. TURN ARROW AND ONLY
 - 20.8 SO. FT.



- NOTES:**
1. ALL SIDEWALKS AND CURB RAMP SHALL BE CONSTRUCTED AS SHOWN ON THE PLAN AND PROFILE SHEETS.
 2. ALL SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 3. ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
 4. DIMENSIONS TO PAVEMENT MARKINGS SHALL BE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF THE GAP FOR DOUBLE LINES UNLESS OTHERWISE INDICATED.
 5. TURN LANE MARKINGS (ARROW AND "ONLY") TO BE INSTALLED AS SHOWN ON DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAILS.
 6. EXISTING SIGNS ARE TO BE RELOCATED OR REPLACED AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SIGNS. ALL SALVAGED SIGNS WHICH ARE IN GOOD SHAPE SHALL BE RETURNED TO THE PUBLIC WORKS DEPARTMENT OR AS INDICATED ON THE PLANS. EXISTING SIGNS LOCATED ALONG COUNTY ROUTES SHALL BE RETURNED TO THE COUNTY.
 7. MEDIAN DIAGONAL LINE PAVEMENT MARKINGS TO BE INSTALLED AS SHOWN ON DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAILS.
 8. SEE IDOT STANDARDS 720006, 720011, 720016, 728001, 729001, AND 731001 FOR SIGN INSTALLATION AND MOUNTING DETAILS.
 9. NEW SUPPORT AND HARDWARE SHALL BE USED FOR RELOCATED SIGNS SIMILAR TO EXISTING SUPPORTS. THE COST OF THE SUPPORTS SHALL BE INCLUDED IN THE ITEM RELOCATE SIGN PANEL ASSEMBLY TYPE A OR B.
 10. SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS AND RECESSED REFLECTIVE MARKERS DETAILS FOR PLACEMENT OF MARKERS.
 11. FOR NEW SIGNS SEE SHEET 122.
 12. FOR RECESSED REFLECTIVE PAVEMENT MARKERS "SEE DISTRICT DETAIL TC-11".

FILE NAME =	USER NAME = jalorinez
G:\CH\1\0113\Road\Sheets\113TRF101.dgn	
PLOT SCALE = 50.0000' / 1" =	CHECKED -
PLOT DATE = 7/17/2014	DATE -

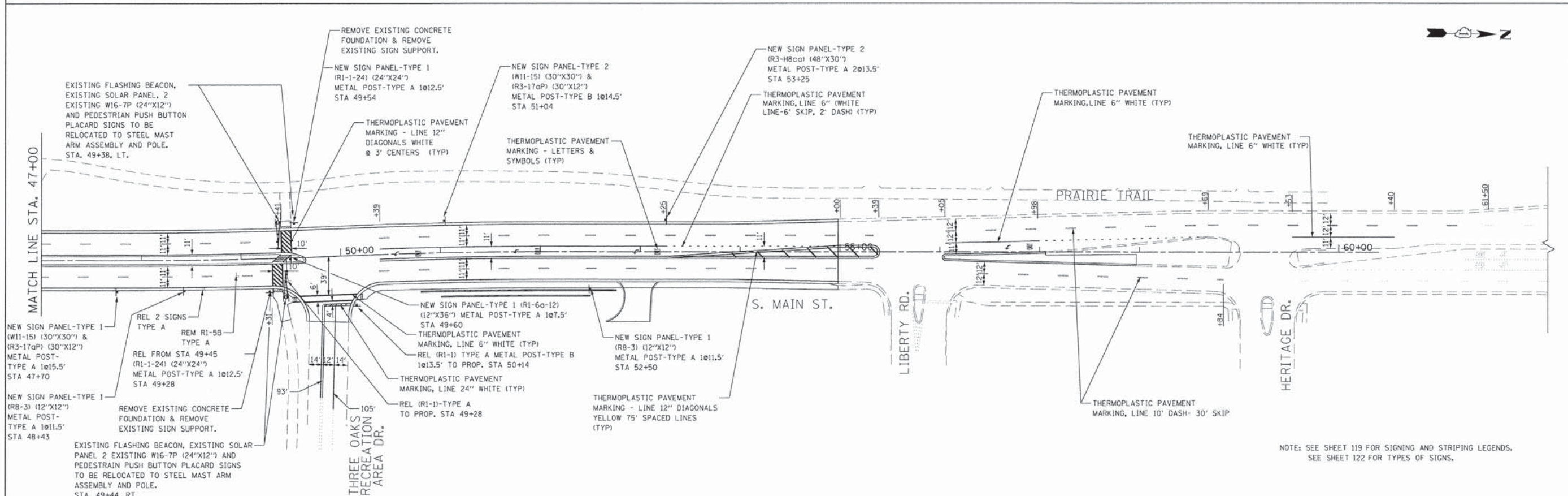
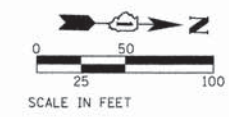
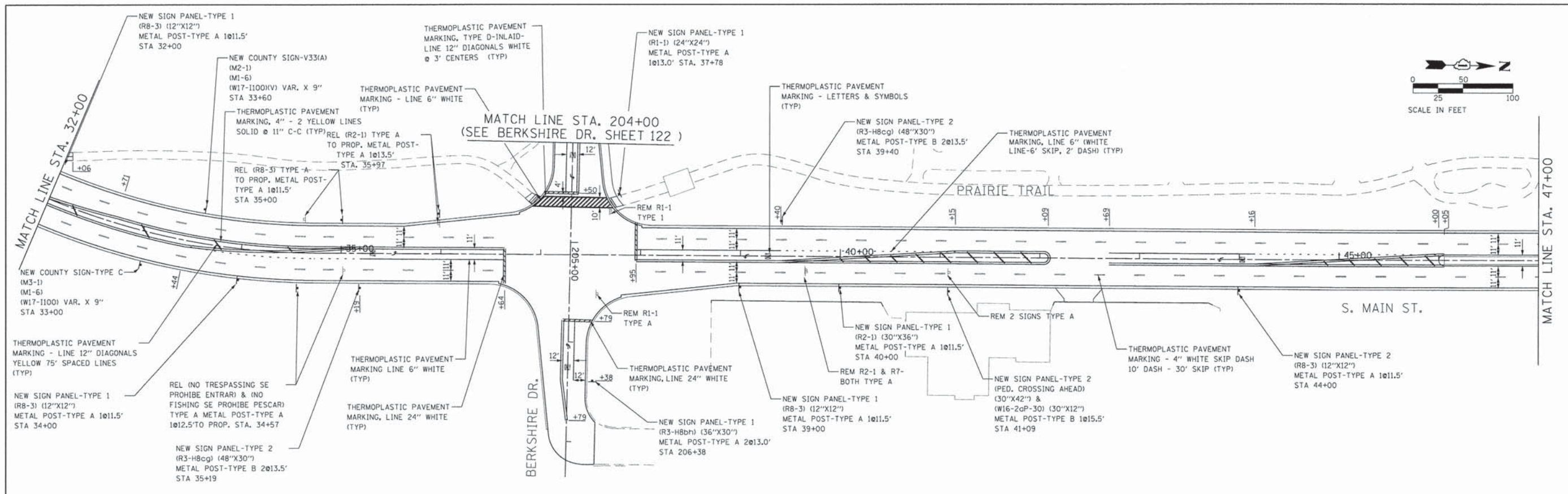
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH MAIN STREET
PAVEMENT MARKING AND SIGNING PLAN - SOUTH MAIN ST.**

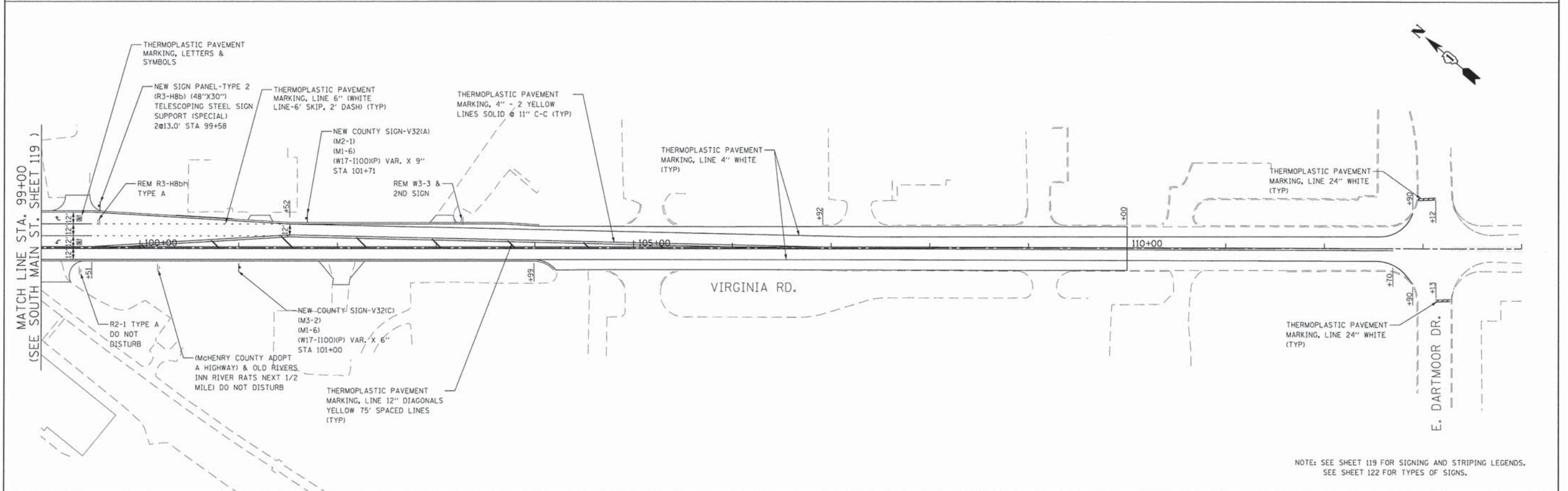
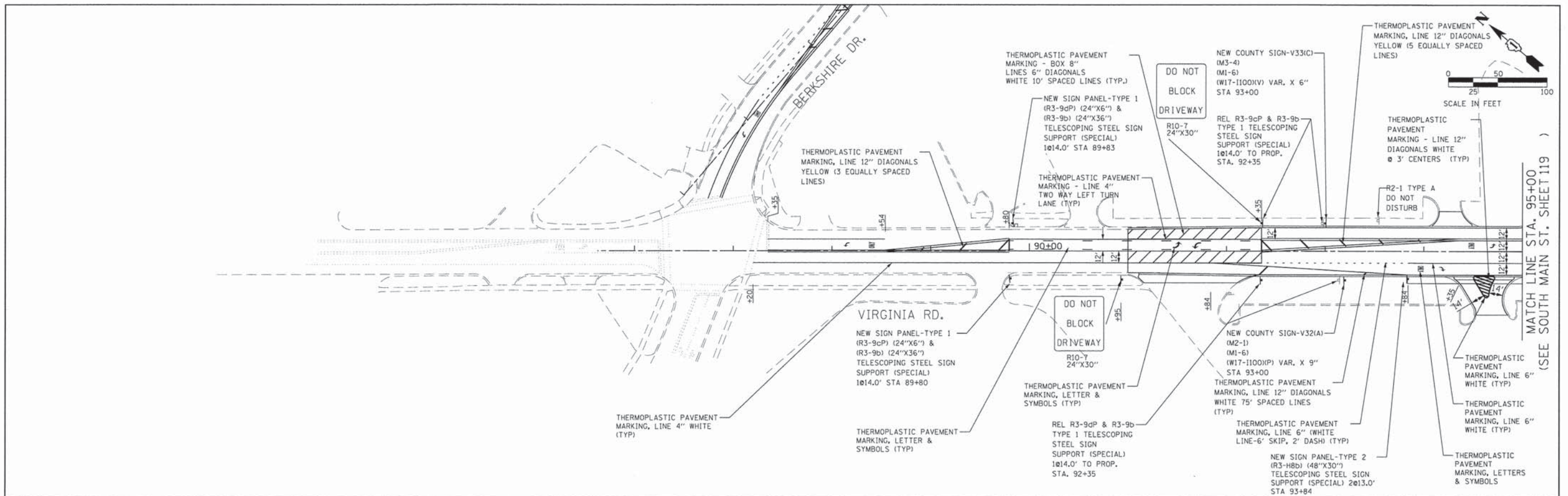
SCALE: 1"=50' SHEET NO. 1 OF 4 SHEETS STA. 10+00.00 TO STA. 32+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	MCHENRY	232	119
			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				



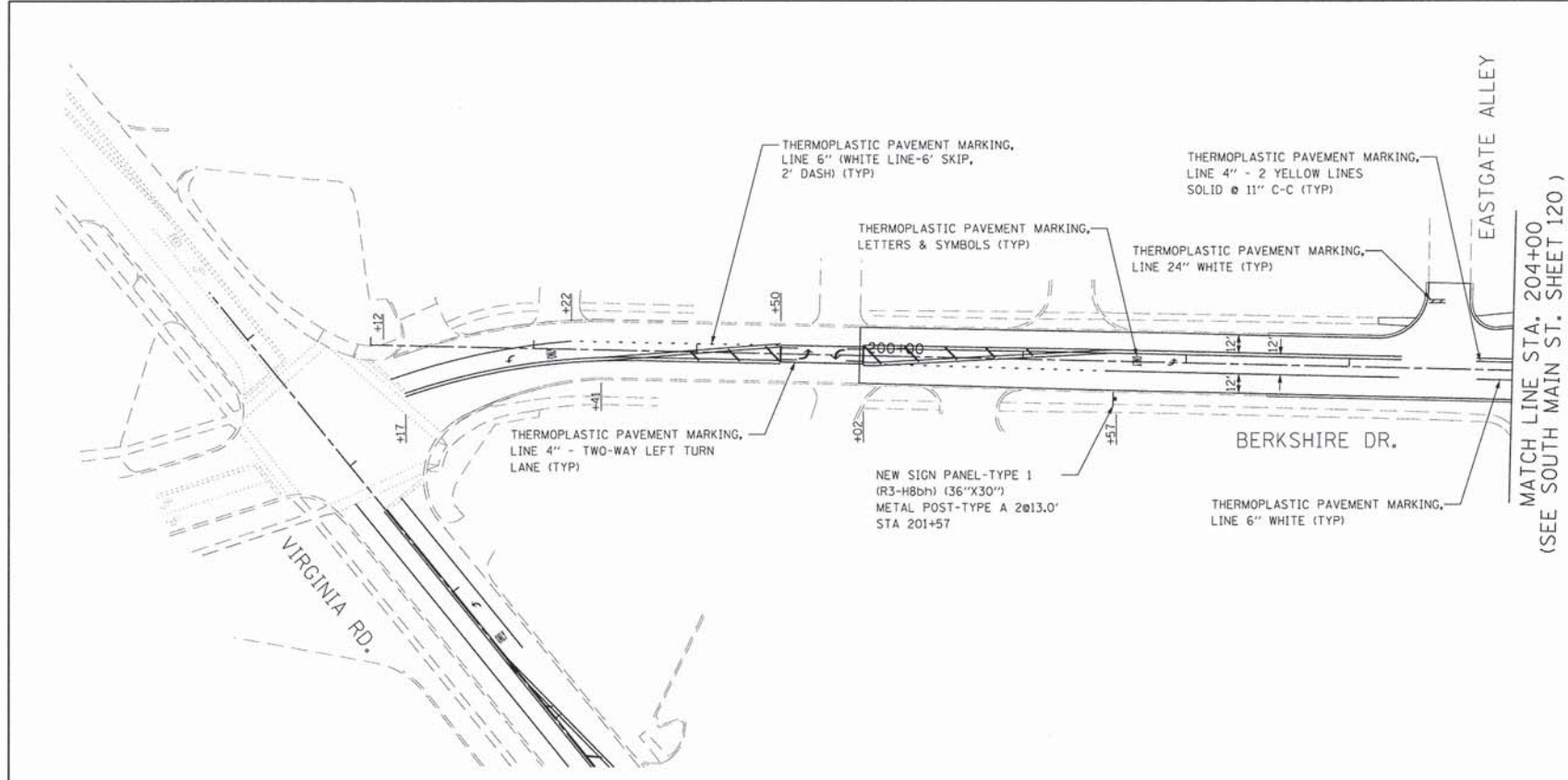
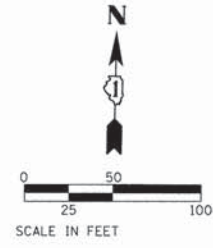
NOTE: SEE SHEET 119 FOR SIGNING AND STRIPING LEGENDS.
SEE SHEET 122 FOR TYPES OF SIGNS.

FILE NAME = G:\CH11\0113\Road\Sheets\113TRF102.dgn	USER NAME = jalornaz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PAVEMENT MARKING AND SIGNING PLAN - SOUTH MAIN ST.		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 50,000' / 1"	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	0124	08-00106-00-FP	MCHENRY	232	120
	PLOT DATE = 7/17/2014	CHECKED -	REVISED -						CONTRACT NO. 63843				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



NOTE: SEE SHEET 119 FOR SIGNING AND STRIPING LEGENDS.
SEE SHEET 122 FOR TYPES OF SIGNS.

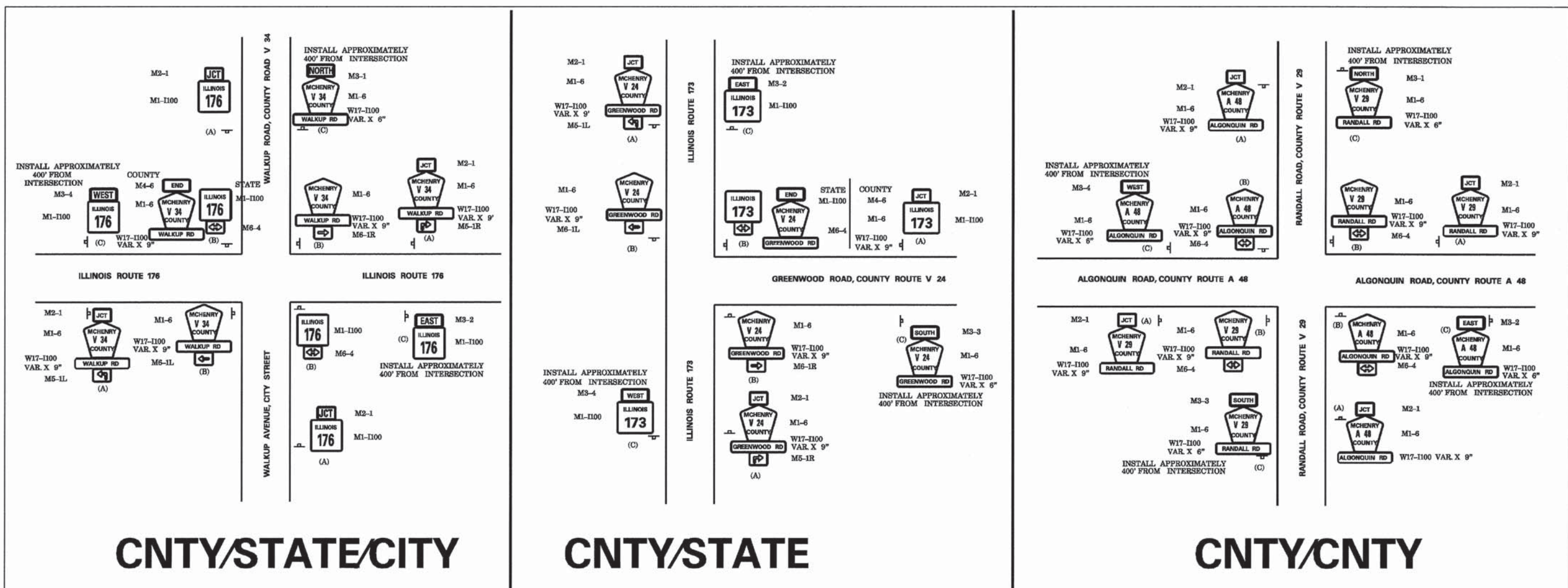
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PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -	0124			08-00106-00-FP	MCHEMRY	232	121			
PLOT DATE = 7/17/2014	DATE -	REVISED -	SCALE: 1"=50'			SHEET NO. 3 OF 4 SHEETS		STA. 90+00.00 TO STA. 114+00.00		CONTRACT NO. 63843		
ILLINOIS FED. AID PROJECT												



NOTE: SEE SHEET 119 FOR SIGNING AND STRIPING LEGENDS.

FILE NAME = G:\CH11\11313\Road\Sheets\113TRF301.dgn	USER NAME = jalorinez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PAVEMENT MARKING AND SIGNING PLAN - BERKSHIRE DR.	F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,0000' / 1"	DRAWN -	REVISED -			0124	08-00106-00-FP	MCHENRY	232	122
	PLOT DATE = 7/17/2014	CHECKED -	REVISED -			CONTRACT NO. 63843				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 4 OF 4 SHEETS STA. 200+00.00 TO STA. 207+00.00



CNTY/STATE/CITY

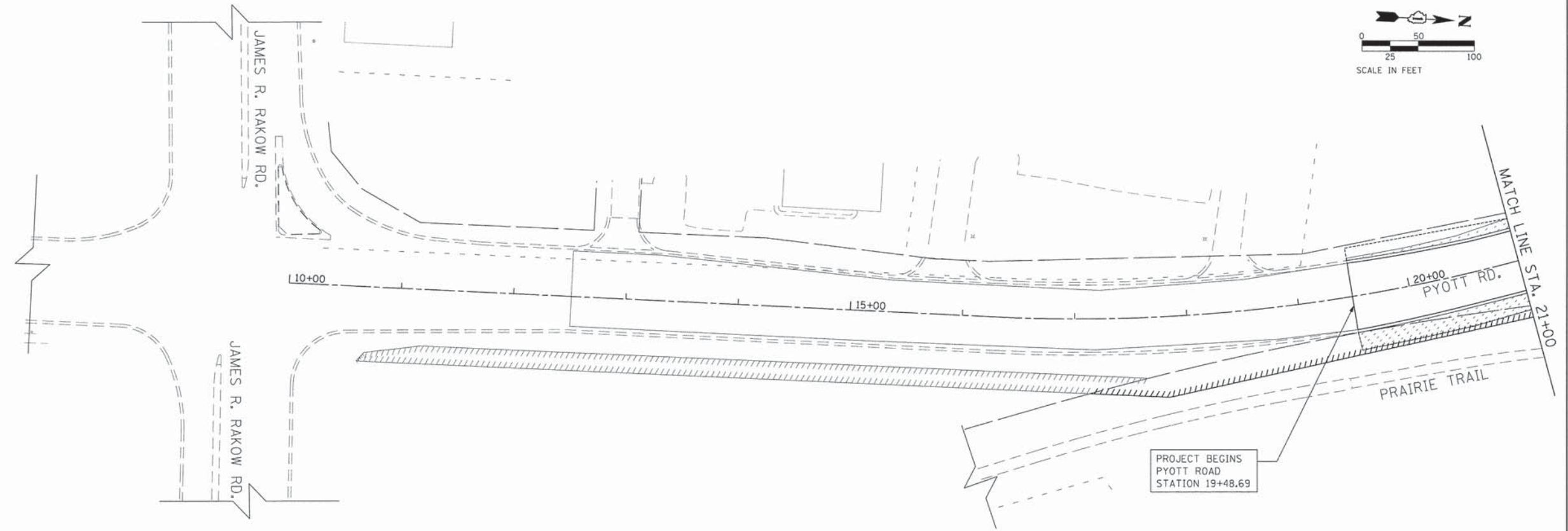
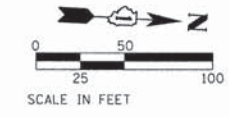
CNTY/STATE

CNTY/CNTY

JUNCTION SIGN LOCATION (A):
 IN URBAN AREAS, THE JUNCTION SIGN SHALL BE INSTALLED IN THE BLOCK PRECEDING THE INTERSECTION.
 IN RURAL AREAS, THE JUNCTION SIGN SHALL BE INSTALLED AT LEAST 400 FEET IN ADVANCE OF THE INTERSECTION.

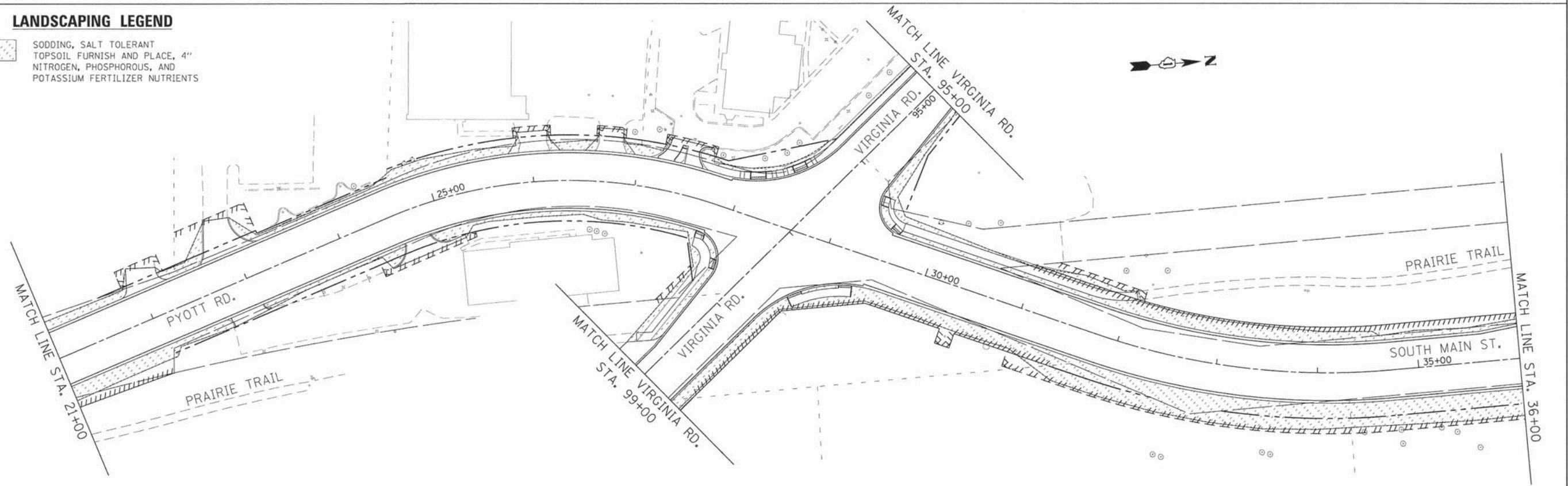
CONFIRMATION SIGN LOCATIONS (C):
 CONFIRMATION SIGN ASSEMBLIES SHALL BE INSTALLED APPROXIMATELY 400 FEET FROM THE INTERSECTION.

SIGN TYPE	SIGN CODE	SIGN COLOR	SIGN SIZE	LEGEND/SYMBOL
STATE RTE. MARKER	M1-I100	BLACK ON WHITE	24" X 24"	ILLINOIS "XX"
COUNTY RTE. MARKER	M1-6	YELLOW ON BLUE	24" X 24"	MCHENRY "XXX" COUNTY
JUNCTION (STATE RTE.)	M2-1	BLACK ON WHITE	21" X 16"	JUNCTION
JUNCTION (CTY. RTE.)	M2-2	YELLOW ON BLUE	21" X 16"	JUNCTION
DIRECTION (STATE RTE.)	M3-1	BLACK ON WHITE	24" X 12"	NORTH
DIRECTION (STATE RTE.)	M3-2	BLACK ON WHITE	24" X 12"	EAST
DIRECTION (STATE RTE.)	M3-3	BLACK ON WHITE	24" X 12"	SOUTH
DIRECTION (STATE RTE.)	M3-4	BLACK ON WHITE	24" X 12"	WEST
DIRECTION (CTY. RTE.)	M3-1	YELLOW ON BLUE	24" X 12"	NORTH
DIRECTION (CTY. RTE.)	M3-2	YELLOW ON BLUE	24" X 12"	EAST
DIRECTION (CTY. RTE.)	M3-3	YELLOW ON BLUE	24" X 12"	SOUTH
DIRECTION (CTY. RTE.)	M3-4	YELLOW ON BLUE	24" X 12"	WEST
END	M4-6	YELLOW ON BLUE	24" X 12"	END
BEGIN	M4-11	YELLOW ON BLUE	24" X 12"	BEGIN
ADVANCE ARROW	M5-1L	YELLOW ON BLUE	15" X 21"	ADV. LEFT ARROW
ADVANCE ARROW	M5-1R	YELLOW ON BLUE	15" X 21"	ADV. RIGHT ARROW
ARROW	M6-1L	YELLOW ON BLUE	15" X 21"	LEFT ARROW
ARROW	M6-1R	YELLOW ON BLUE	15" X 21"	RIGHT ARROW
ARROW (STATE RTE.)	M6-4	BLACK ON WHITE	15" X 21"	DOUBLE ARROW
ARROW (CTY. RTE.)	M6-4	YELLOW ON BLUE	15" X 21"	DOUBLE ARROW
ROAD NAME (STATE RTE.)	W17-I100	BLACK ON WHITE	VARIABLE X 9"	FOR SIGNS A & B
ROAD NAME (STATE RTE.)	W17-I100	BLACK ON WHITE	VARIABLE X 6"	FOR SIGN C
ROAD NAME (CTY. RTE.)	W17-I100	YELLOW ON BLUE	VARIABLE X 9"	FOR SIGNS A & B
ROAD NAME (CTY. RTE.)	W17-I100	YELLOW ON BLUE	VARIABLE X 6"	FOR SIGN C



LANDSCAPING LEGEND

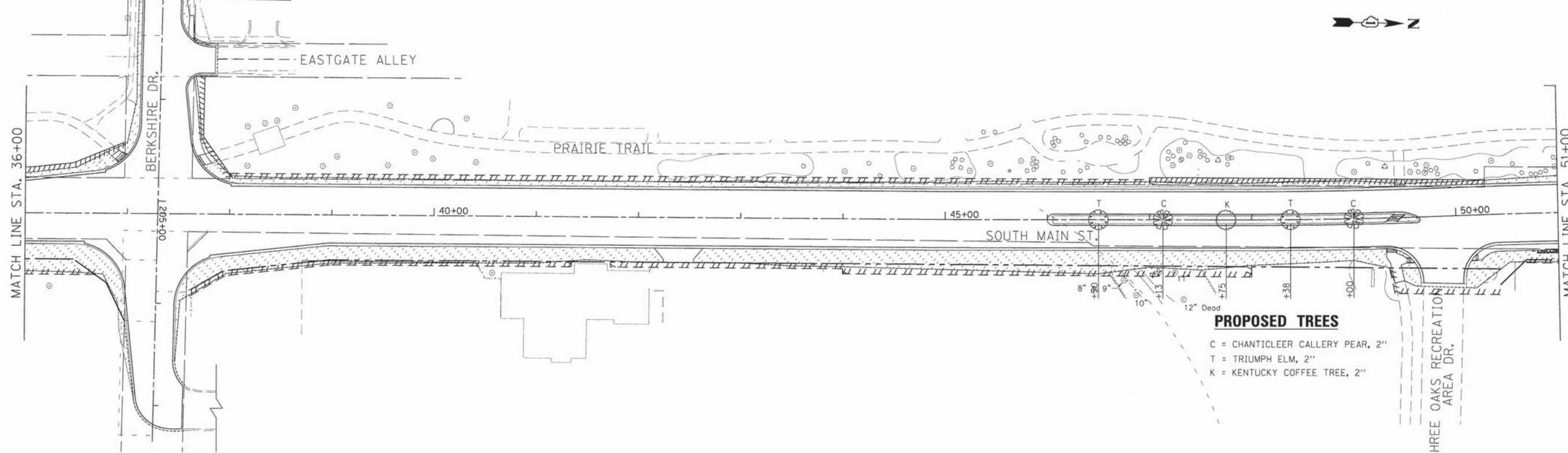
- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" NITROGEN, PHOSPHOROUS, AND POTASSIUM FERTILIZER NUTRIENTS



FOR TREE REMOVAL, SEE SHEETS 22 THRU 24 .

FILE NAME = G:\CH11\0113\Road\Sheets\113L SPI01.dgn	USER NAME = jalorincz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET LANDSCAPING PLANS - SOUTH MAIN ST.	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,0000' / 1"	DRAWN -	REVISED -			0124	08-00106-00-FP	MCHENRY	232	124
	PLOT DATE = 7/17/2014	CHECKED -	REVISED -			CONTRACT NO. 63843				
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE: 1"=50'	SHEET NO. 1 OF 3 SHEETS		STA. 10+00.00 TO STA. 36+00.00		

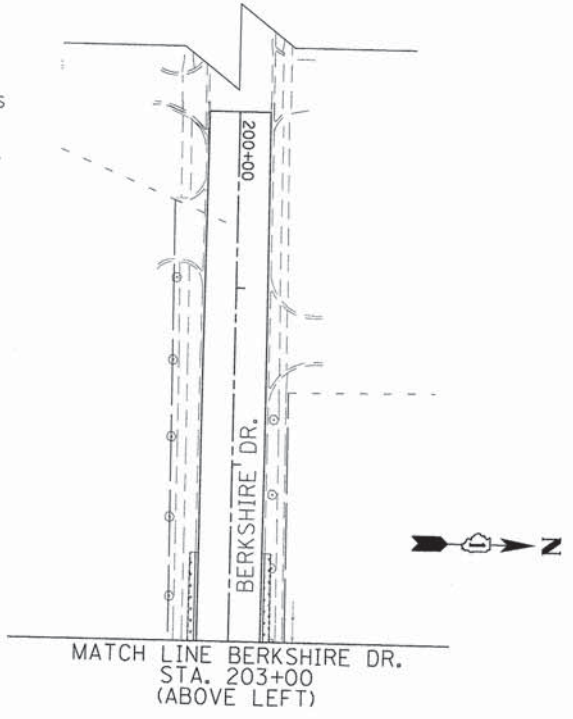
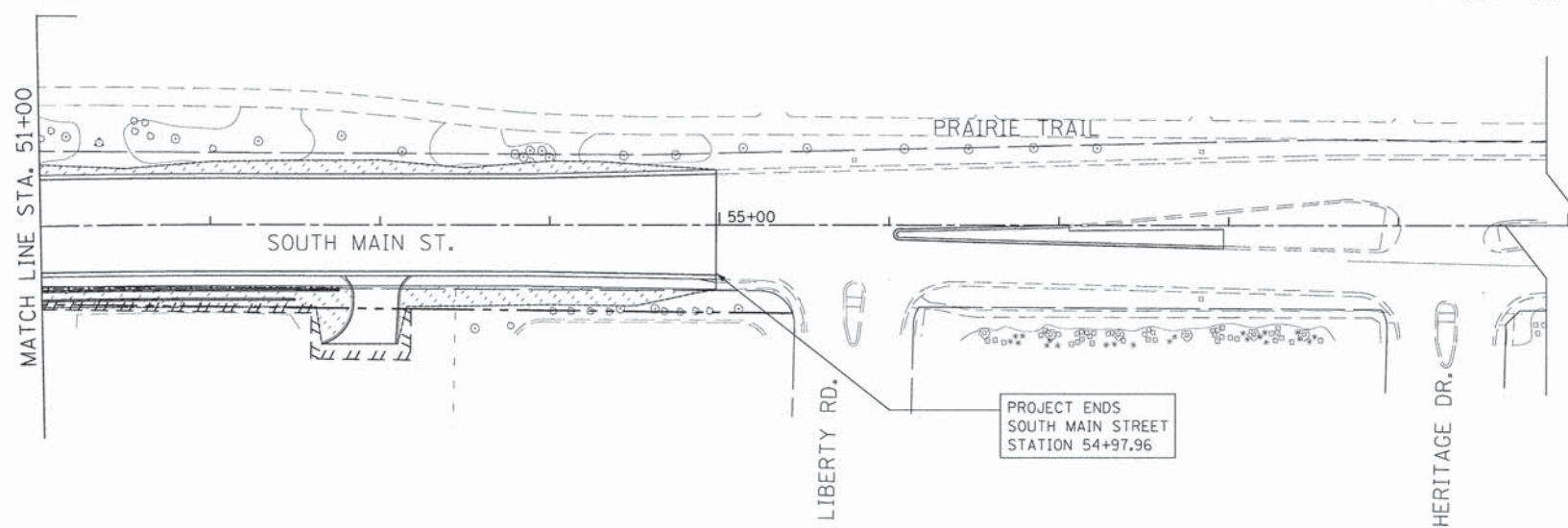
MATCH LINE BERKSHIRE DR.
STA. 203+00 (BELOW RIGHT)



PROPOSED TREES
 C = CHANTICLEER CALLERY PEAR, 2"
 T = TRIUMPH ELM, 2"
 K = KENTUCKY COFFEE TREE, 2"

LANDSCAPING LEGEND

- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" NITROGEN, PHOSPHOROUS, AND POTASSIUM FERTILIZER NUTRIENTS
- SHREDDED BARK MULCH, 3" TOPSOIL FURNISH AND PLACE, 12"




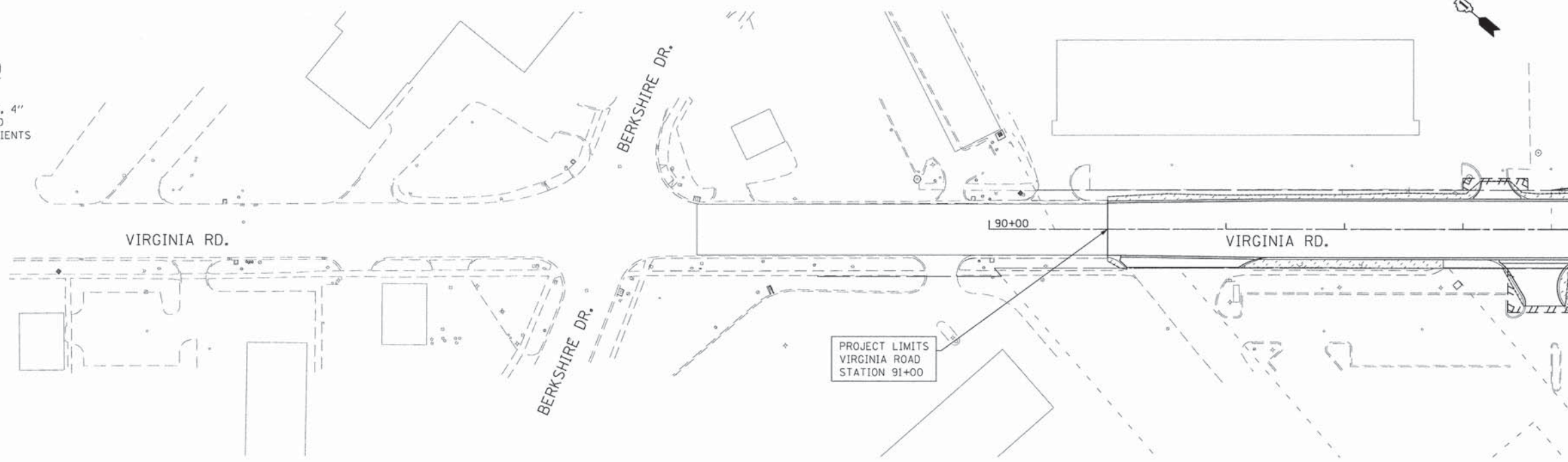
FOR TREE REMOVAL, SEE SHEETS 22 THRU 24 .

FILE NAME = G:\CH11\0113\Road\Sheets\113LSP102.dgn	USER NAME = jalornoz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET LANDSCAPING PLANS - SOUTH MAIN ST.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50,0000' / 1"	DRAWN -	REVISED -			0124	08-00106-00-FP	MCHENRY	232	125	
	PLOT DATE = 7/17/2014	CHECKED -	REVISED -			CONTRACT NO. 63843					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=50' SHEET NO. 2 OF 3 SHEETS STA. 36+00.00 TO STA. 60+00.00

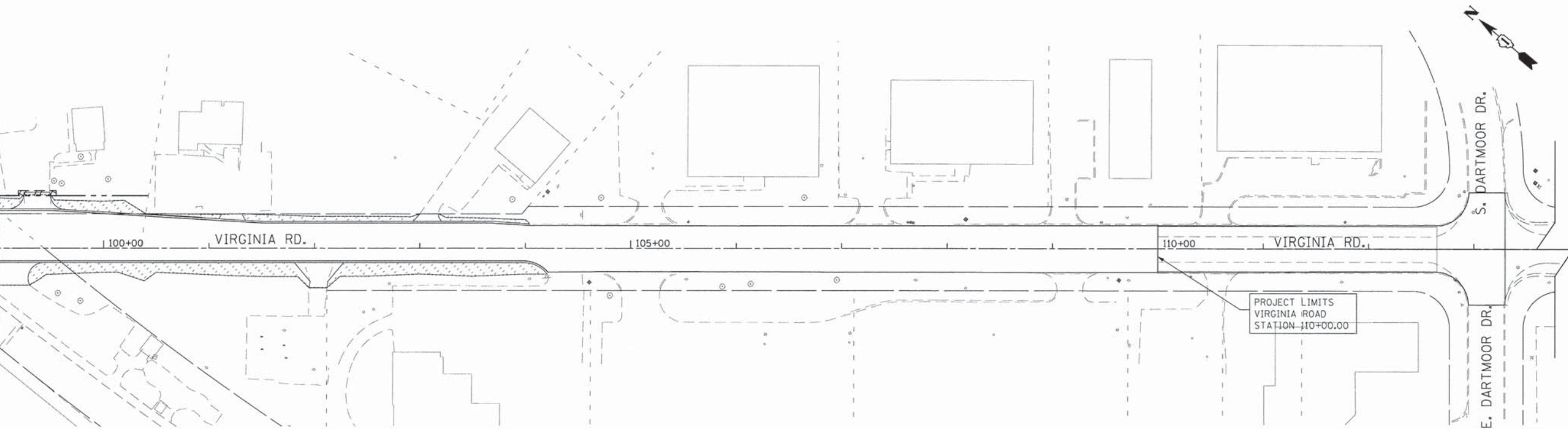
LANDSCAPING LEGEND


 SODDING, SALT TOLERANT
 TOPSOIL FURNISH AND PLACE, 4"
 NITROGEN, PHOSPHOROUS, AND
 POTASSIUM FERTILIZER NUTRIENTS



MATCH LINE STA. 95+00
 (SEE SOUTH MAIN ST. SHEET 124)

MATCH LINE STA. 99+00
 (SEE SOUTH MAIN ST. SHEET 124)



FOR TREE REMOVAL, SEE SHEETS 22 THRU 24 .

FILE NAME *	USER NAME = jlorinez	DESIGNED -	REVISED -
C:\CH\1\0113\Road\Sheets\113LSP201.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 7/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET
LANDSCAPING PLANS - VIRGINIA RD.

SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. 90+00.00 TO STA. 114+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	126
			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY ECONOLITE CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY THE COUNTY, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON, THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN-ON.
- UPON COMPLETION OF THE PERMANENT TRAFFIC SIGNAL INSTALLATION, THE NEW VIDEO VEHICLE DETECTION SYSTEM COMPLETE, SHALL BE RELOCATED FROM THE TEMPORARY TRAFFIC SIGNAL INSTALLATION TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION. THE NEW VIDEO VEHICLE DETECTION SYSTEM RELOCATION SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH. IF THE CONTRACTOR DECIDED TO USE THEIR OWN VIDEO DETECTION CAMERAS, THE CAMERAS SHALL REMAIN THE PROPERTY OF THE TRAFFIC SIGNAL CONTRACTOR.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING UNINTERRUPTIBLE POWER SUPPLY (UPS)-COMPLETE UNIT TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE RELOCATION OF THE UPS SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH. AFTER THE PERMANENT TRAFFIC SIGNAL INSTALLATION HAS BEEN TURNED-ON, THE CONTRACTOR SHALL REMOVE THE UPS AND ARRANGE FOR PICK UP OR DELIVERY OF ALL EQUIPMENT TO THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
- THE CONTRACTOR SHALL INSTALL TEMPORARY INTERSECTION LIGHTING ON THE TEMPORARY WOOD POLES USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL LUMINAIRES, ARMS, CABLES, AND ASSOCIATED CONNECTORS SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- THE INSTALLATION AND MAINTENANCE OF THE EMERGENCY PRE-EMPTION EQUIPMENT SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH.

REMOVAL NOTES

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

AGENCY: MCHENRY COUNTY DIVISION OF TRANSPORTATION
1 EACH CABINET AND CONTROLLER (COMPLETE)

AGENCY: CITY OF CRYSTAL LAKE
4 EACH LIGHT DETECTOR
1 EACH LIGHT DETECTOR AMPLIFIER

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

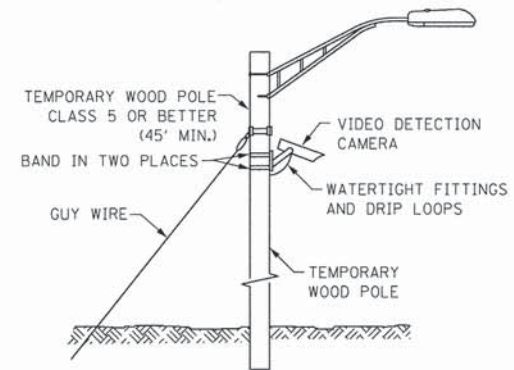
- 6 EACH SIGNAL HEAD, 3-SECTION
- 10 EACH SIGNAL HEAD, 5-SECTION
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 8 EACH PEDESTRIAN PUSHBUTTONS

RESTORATION OF WORK AREA:

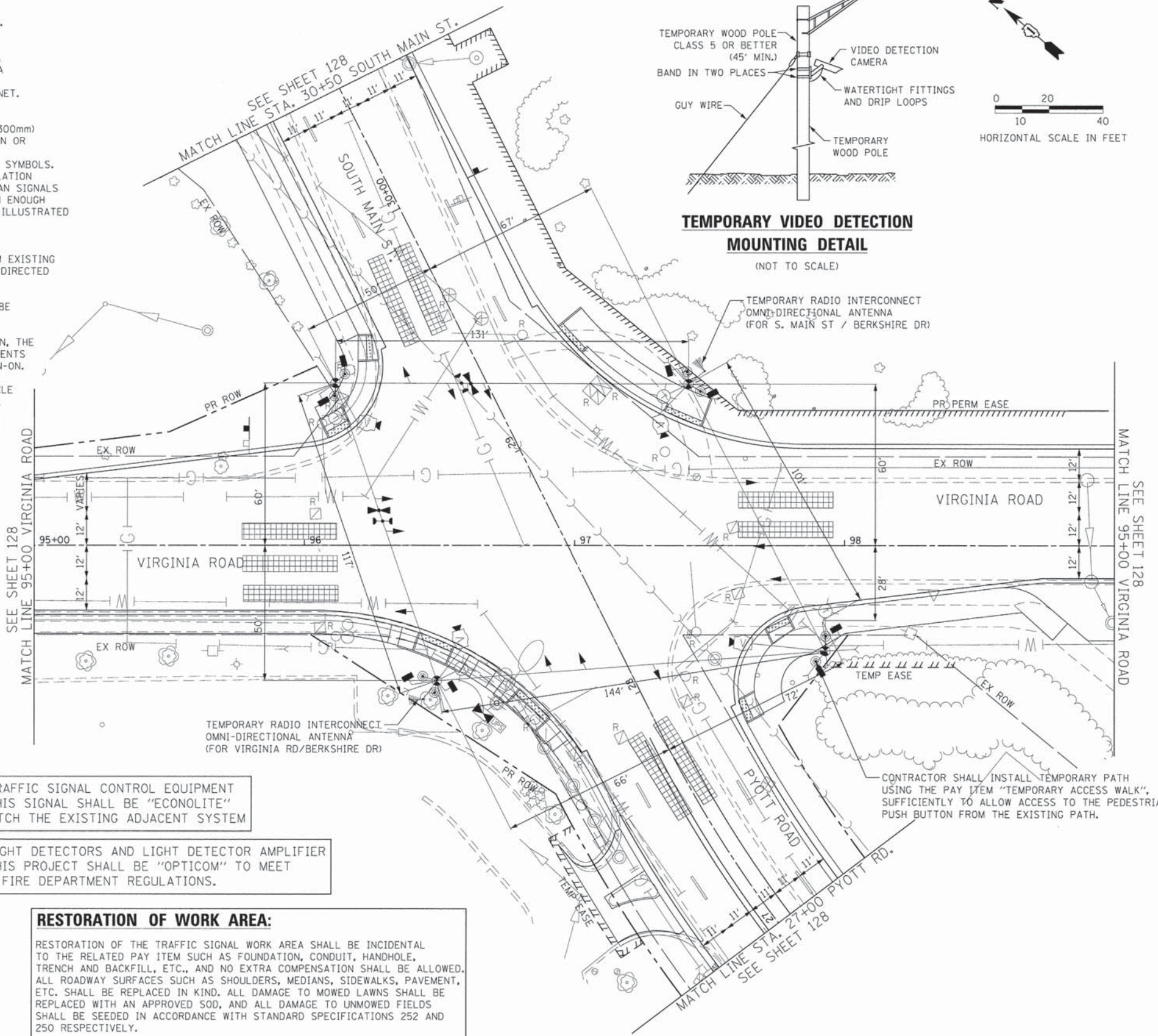
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL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

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

THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIER FOR THIS PROJECT SHALL BE "OPTICOM" TO MEET LOCAL FIRE DEPARTMENT REGULATIONS.

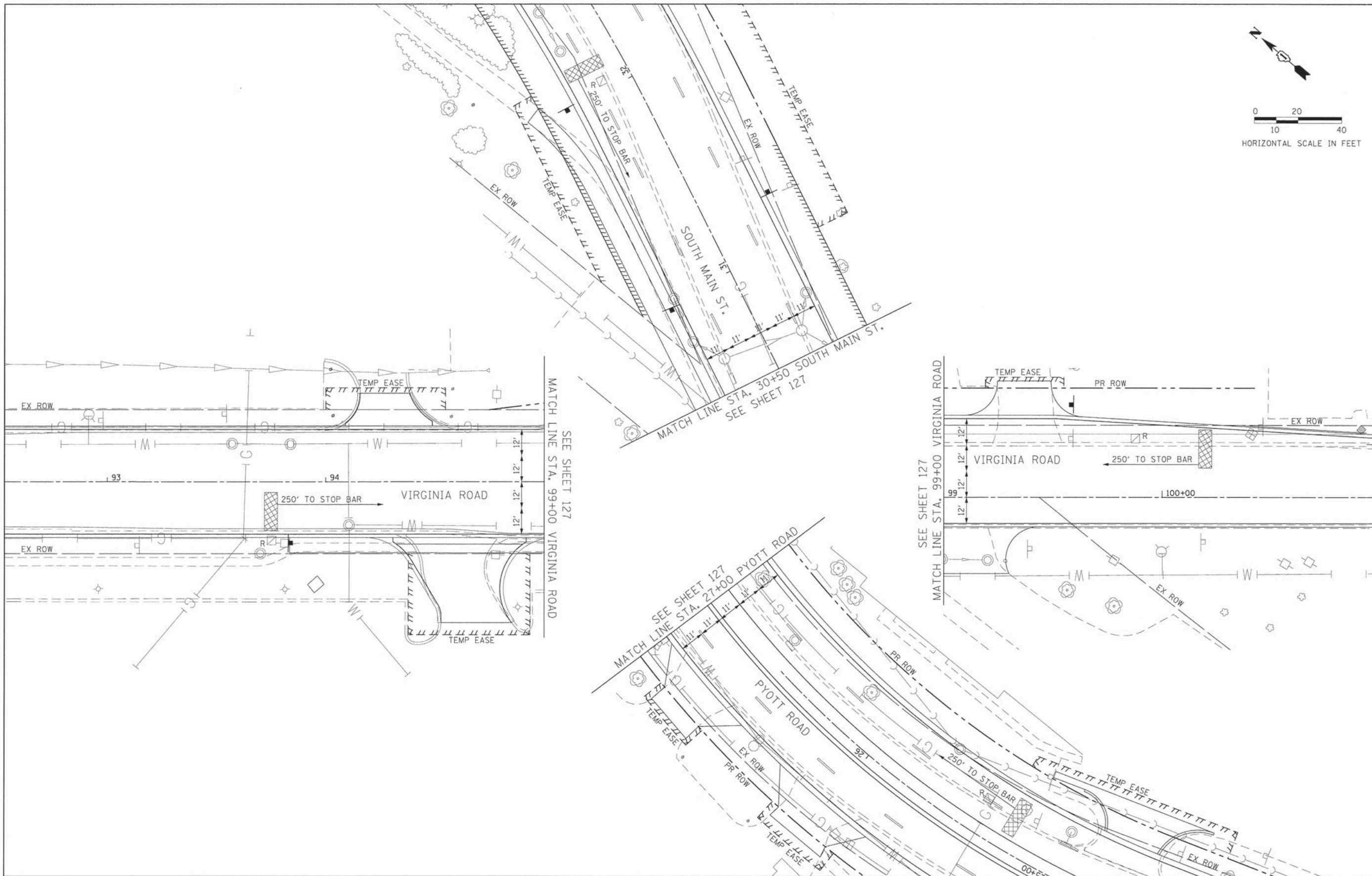
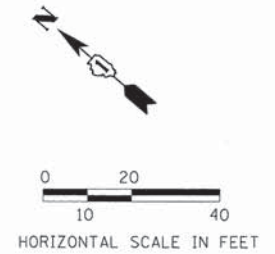


TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

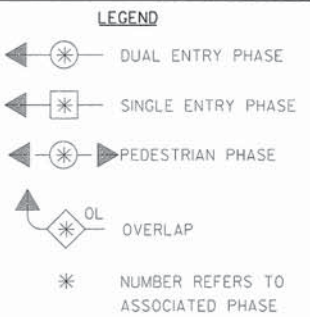
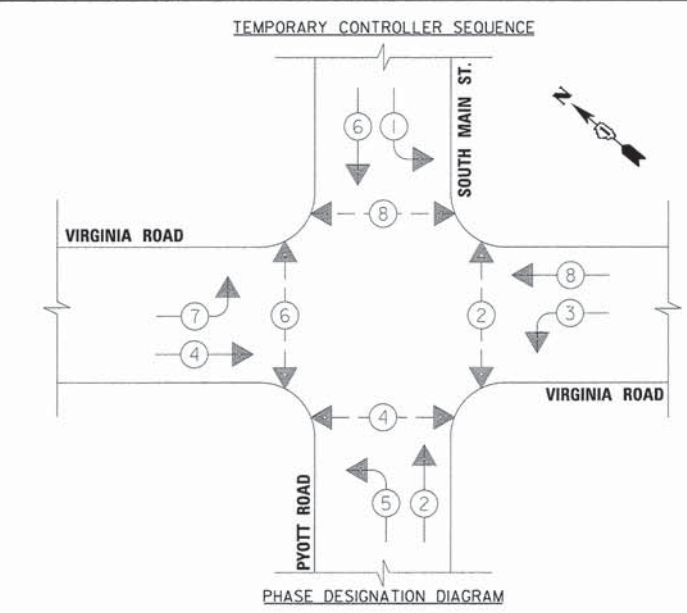


CONTRACTOR SHALL INSTALL TEMPORARY PATH USING THE PAY ITEM "TEMPORARY ACCESS WALK", SUFFICIENTLY TO ALLOW ACCESS TO THE PEDESTRIAN PUSH BUTTON FROM THE EXISTING PATH.

FILE NAME: G:\CHI\1\0113\Traffic\CD\Sheets\113-TS-001\TEMP MV.dgn	USER NAME: jolornoz	DESIGNED: HJF	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VIRGINIA ROAD AND S. MAIN STREET TEMPORARY TRAFFIC SIGNAL INSTALLATION (1 of 2)		F.A.U. RTE. 0124	SECTION 08-0106-0 Q-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 127
	PLOT SCALE: 20,0000 1/ in.	CHECKED: HJF	REVISED: -		SCALE: 1"=20'	SHEET NO. 1 OF 7 SHEETS	STA. TO STA.	CONTRACT NO. 63843		ILLINOIS FED. AID PROJECT	
	PLOT DATE: 7/17/2014	DATE: -	REVISED: -								

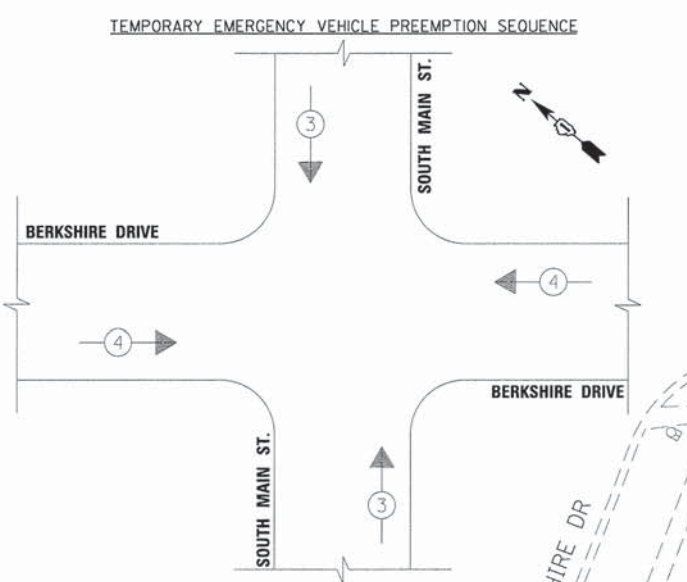


FILE NAME = G:\CH11\0113\Traffic\CD\Sheets\113-15-2013_TEMP.MXD	USER NAME = jlorinez	DESIGNED = HJF	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VIRGINIA ROAD AND S. MAIN STREET TEMPORARY TRAFFIC SIGNAL INSTALLATION (2 of 2)			F.A.U. RTE. 0124	SECTION 08-00106-0 0-FP	COUNTY MCHENRY	TOTAL SHEETS 232	SHEET NO. 128
	PLOT SCALE = 28,0000' / in.	CHECKED = HJF	REVISED =		SCALE: 1"=20'	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	CONTRACT NO. 63843				
	PLOT DATE = 7/17/2014	DATE =	REVISED =		ILLINOIS FED. AID PROJECT							



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

THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS SIGNAL SHALL BE "OPTICOM" TO MATCH EXISTING.

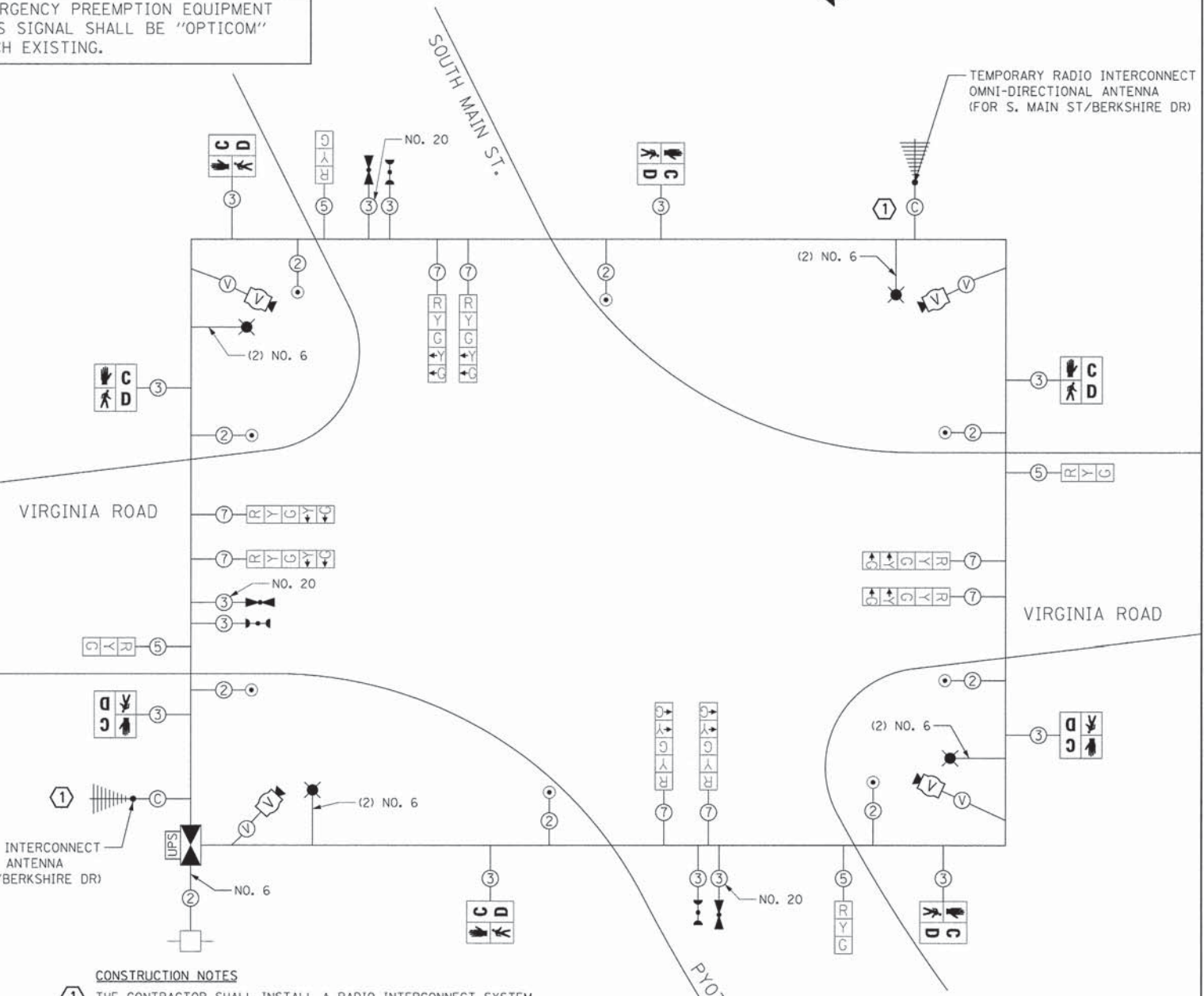


PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTORS	3 4
MOVEMENT	↑ ↓ ← →

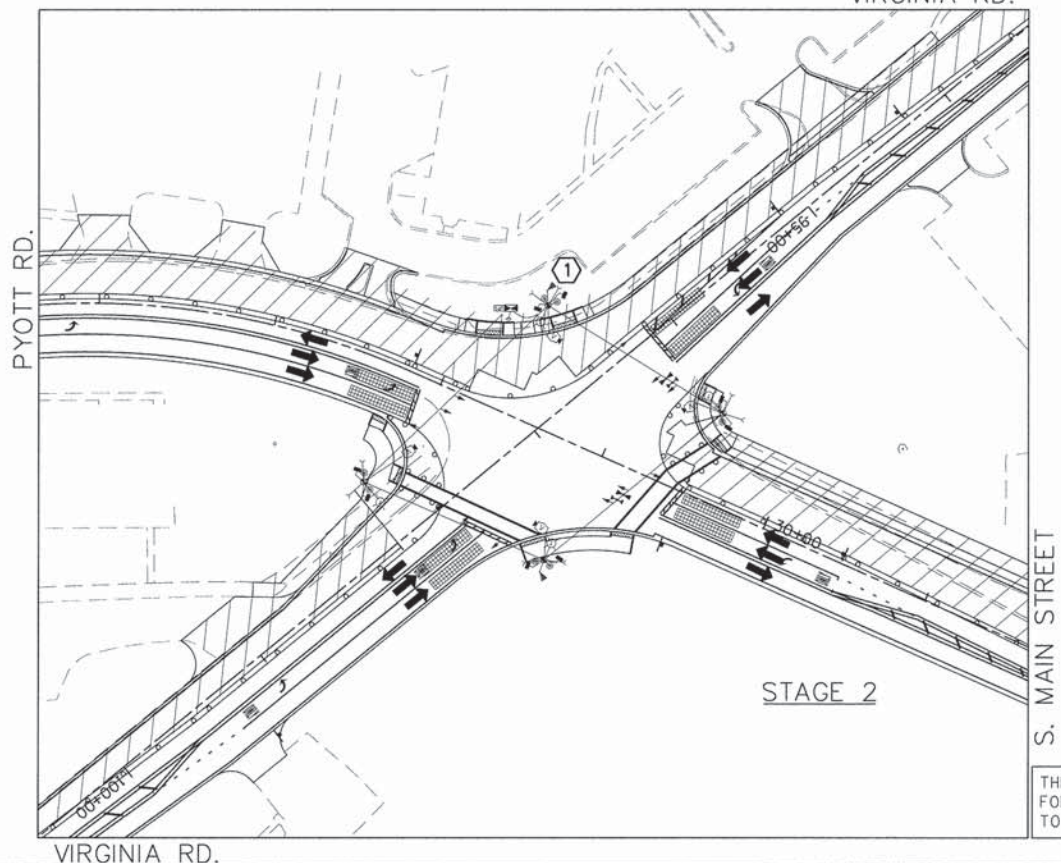
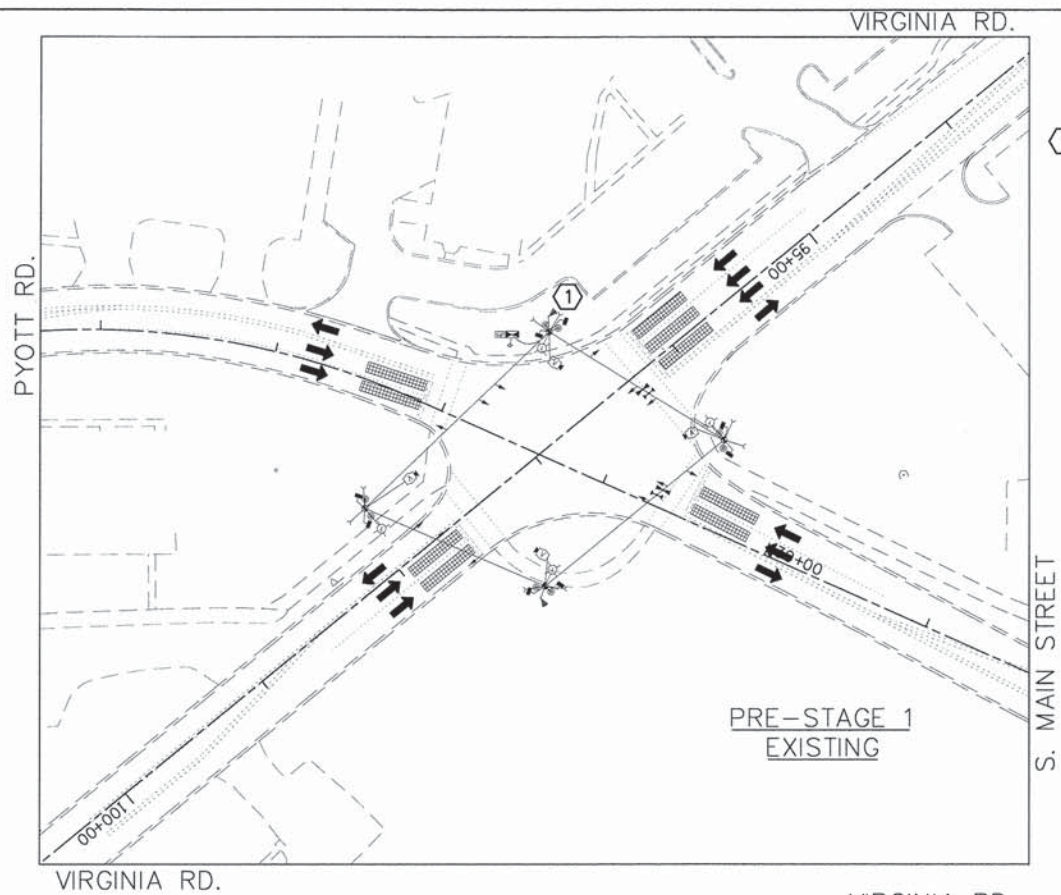
McHENRY COUNTY DIVISION OF TRANSPORTATION TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102.0
SIGNAL (YELLOW)	12		25	0.25	75.0
SIGNAL (GREEN)	12		15	0.25	45.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1	100		1.00	100.0
BATTERY BACKUP	1	25		1.00	25.0
VIDEO SYSTEMS	1	150		1.00	150.0
LUMINAIRE	4	250		0.50	500.0
L.E.D. ST. NAME SIGN			64	0.50	
FLASHER				0.05	
TOTAL =					1216.2

ENERGY COSTS - BILLED TO: CITY OF CRYSTAL LAKE
ADDRESS: 100 W. WOODSTOCK ST.

ENERGY SUPPLY - CONTACT: LISA COOK
PHONE: (630) 650-5542
COMPANY: COMED - LIBERTYVILLE

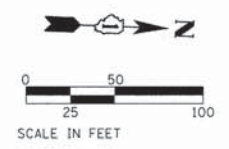


- CONSTRUCTION NOTES**
- THE CONTRACTOR SHALL INSTALL A RADIO INTERCONNECT SYSTEM TO MAINTAIN THE EXISTING INTERCONNECT BETWEEN S. MAIN ST. & VIRGINIA RD., VIRGINIA RD. & BERKSHIRE DR. AND S. MAIN ST & BERKSHIRE DR. THE COST OF THE RADIO INTERCONNECT SHALL BE INCLUDED IN THE COST OF THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- IMPORTANT NOTES**
- ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH ALL MOT STAGING OF TEMPORARY TRAFFIC SIGNAL INSTALLATION REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
 - MULTIPLE SIGNAL HEAD ADDITIONS AND RELOCATIONS TO THIS TEMPORARY TRAFFIC SIGNAL WILL BE NECESSARY TO COMPLEMENT CONSTRUCTION SEQUENCING IN ALL MOT STAGE CONSTRUCTION. ALL LABOR AND MATERIAL NECESSARY TO PERFORM THIS WORK IN A MANNER ACCEPTABLE TO THE McHENRY COUNTY DIVISION OF TRANSPORTATION TRAFFIC ENGINEER SHALL BE CONSIDERED A PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.



CONSTRUCTION NOTES

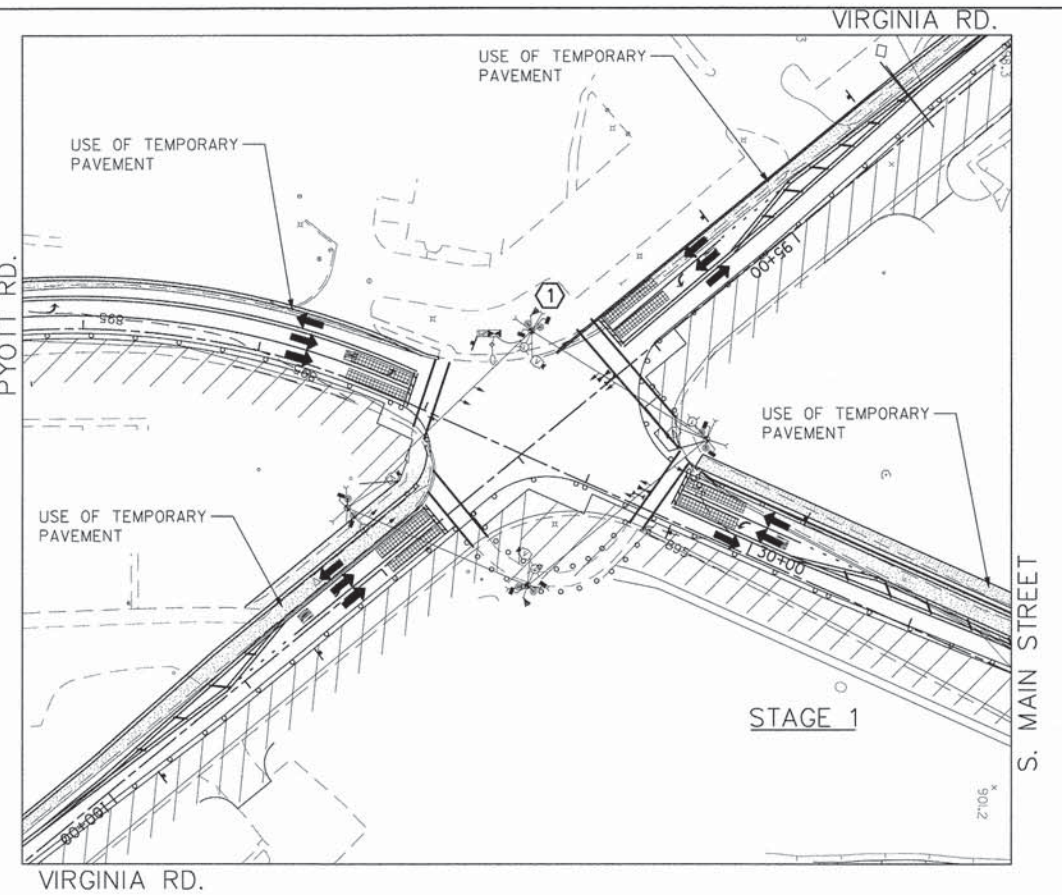
1 THE CONTRACTOR SHALL INSTALL A RADIO INTERCONNECT SYSTEM TO MAINTAIN THE EXISTING INTERCONNECT BETWEEN S. MAIN ST. & VIRGINIA RD., VIRGINIA RD. & BERKSHIRE DR. AND S. MAIN ST & BERKSHIRE DR. THE COST OF THE RADIO INTERCONNECT SHALL BE INCIDENTAL TO THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.



- LEGEND:**
- ↑ SIGN ON PORTABLE OR PERMANENT SUPPORT
 - ↑ DIRECTION OF TRAFFIC
 - ▨ WORK AREA
 - ▨ TEMPORARY PAVEMENT
 - ☀ FLASHING BEACON
 - CONE, DRUM OR BARRICADE

NOTE:
DURING STAGE 2 OF CONSTRUCTION THE PEDESTRIAN TRAFFIC SIGNAL HEADS CONTROLLING THE WEST AND SOUTH APPROACH CROSSWALKS SHALL BE BAGGED.

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



FILE NAME =	USER NAME = jalorinez	DESIGNED -	REVISED -
G:\CH11\013\Traffic\00\Sheets\113-TS-301	STAGING MV.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50,0000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 7/17/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**VIRGINIA ROAD AND S. MAIN STREET
TEMPORARY TRAFFIC SIGNAL STAGING**

SCALE: 1"=50' SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	130
TS-XX			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES

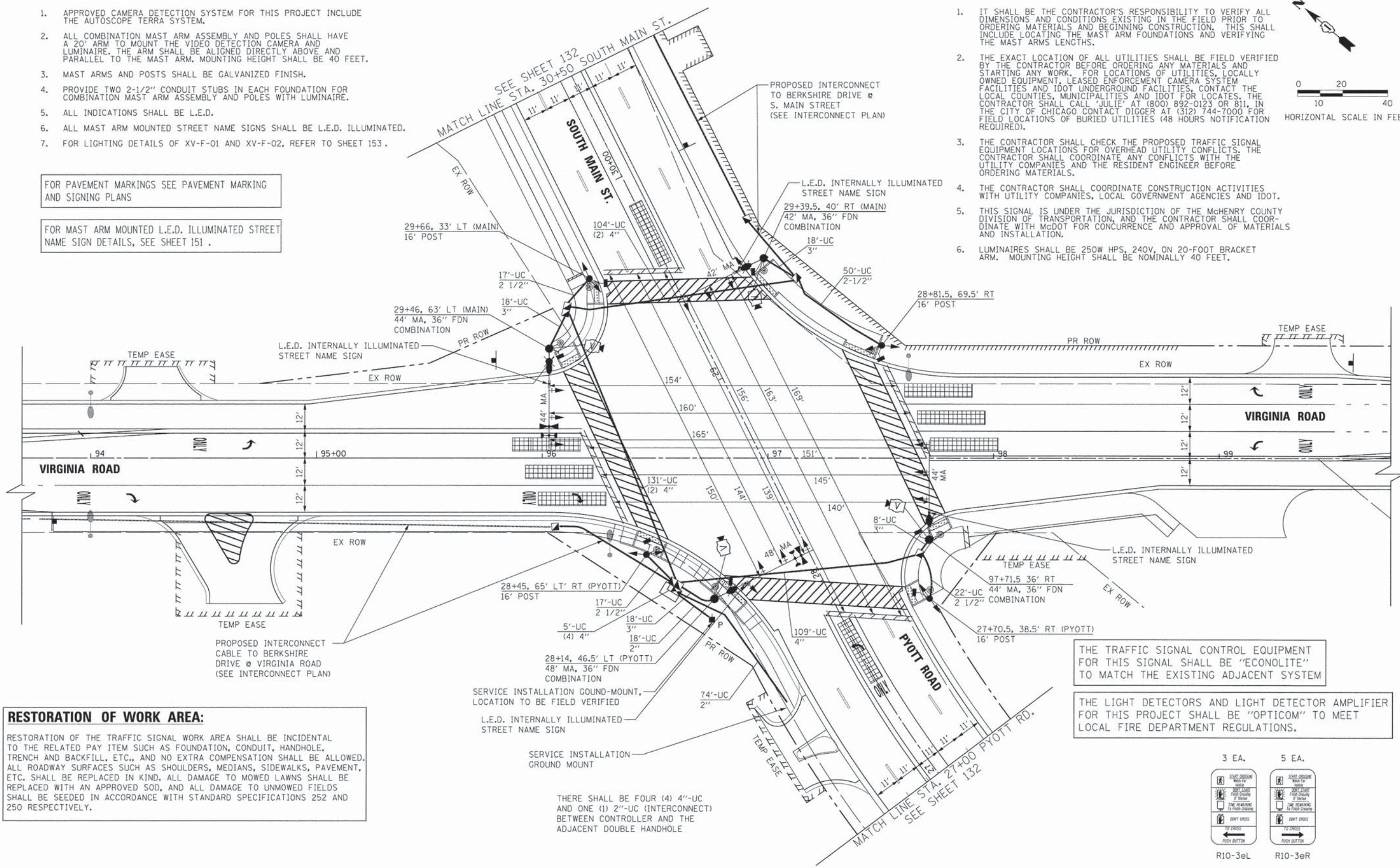
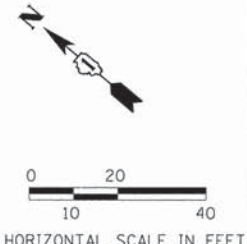
1. APPROVED CAMERA DETECTION SYSTEM FOR THIS PROJECT INCLUDE THE AUTOSCOPE TERRA SYSTEM.
2. ALL COMBINATION MAST ARM ASSEMBLY AND POLES SHALL HAVE A 20' ARM TO MOUNT THE VIDEO DETECTION CAMERA AND LUMINAIRE. THE ARM SHALL BE ALIGNED DIRECTLY ABOVE AND PARALLEL TO THE MAST ARM. MOUNTING HEIGHT SHALL BE 40 FEET.
3. MAST ARMS AND POSTS SHALL BE GALVANIZED FINISH.
4. PROVIDE TWO 2-1/2" CONDUIT STUBS IN EACH FOUNDATION FOR COMBINATION MAST ARM ASSEMBLY AND POLES WITH LUMINAIRE.
5. ALL INDICATIONS SHALL BE L.E.D.
6. ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL BE L.E.D. ILLUMINATED.
7. FOR LIGHTING DETAILS OF XV-F-01 AND XV-F-02, REFER TO SHEET 153.

FOR PAVEMENT MARKINGS SEE PAVEMENT MARKING AND SIGNING PLANS

FOR MAST ARM MOUNTED L.E.D. ILLUMINATED STREET NAME SIGN DETAILS, SEE SHEET 151.

GENERAL NOTES

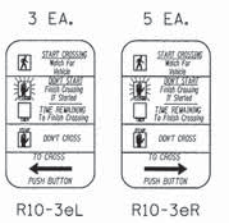
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
5. THIS SIGNAL IS UNDER THE JURISDICTION OF THE McHENRY COUNTY DIVISION OF TRANSPORTATION, AND THE CONTRACTOR SHALL COORDINATE WITH MCDOT FOR CONCURRENCE AND APPROVAL OF MATERIALS AND INSTALLATION.
6. LUMINAIRES SHALL BE 250W HPS, 240V, ON 20-FOOT BRACKET ARM. MOUNTING HEIGHT SHALL BE NOMINALLY 40 FEET.



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

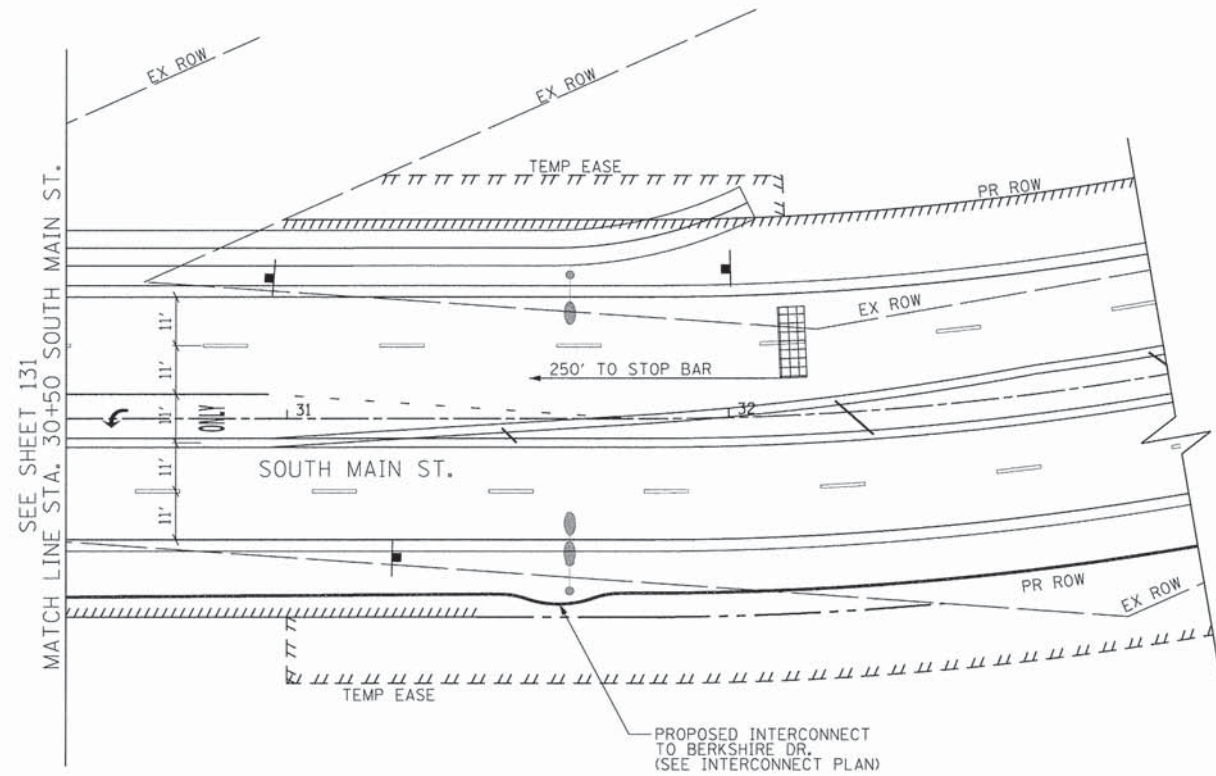
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIER FOR THIS PROJECT SHALL BE "OPTICOM" TO MEET LOCAL FIRE DEPARTMENT REGULATIONS.



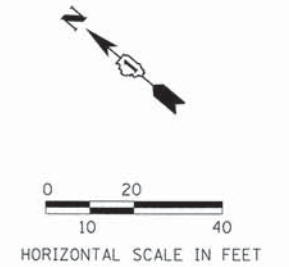
THERE SHALL BE FOUR (4) 4"-UC AND ONE (1) 2"-UC (INTERCONNECT) BETWEEN CONTROLLER AND THE ADJACENT DOUBLE HANDHOLE

FILE NAME =	USER NAME = jgalorinoz	DESIGNED - HJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VIRGINIA ROAD AND S. MAIN STREET TRAFFIC SIGNAL INSTALLATION PLAN (1 of 2)	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Gr\CHI\1\0113\Traffic\CD\Sheets\113-TS-001	LS1 MV.dgn	DRAWN - RJB	REVISED -			0124	08-00106-0 0-FP	McHENRY	232	131	
	PLOT SCALE = 28.0000' / 1" =	CHECKED - HJF	REVISED -			SCALE: 1"=20'		SHEET NO. 5 OF 7 SHEETS		STA. TO STA.	
	PLOT DATE = 7/17/2014	DATE -	REVISED -			CONTRACT NO. 63843 ILLINOIS FED. AID PROJECT					



GENERAL NOTES

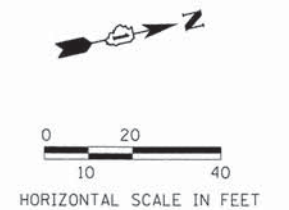
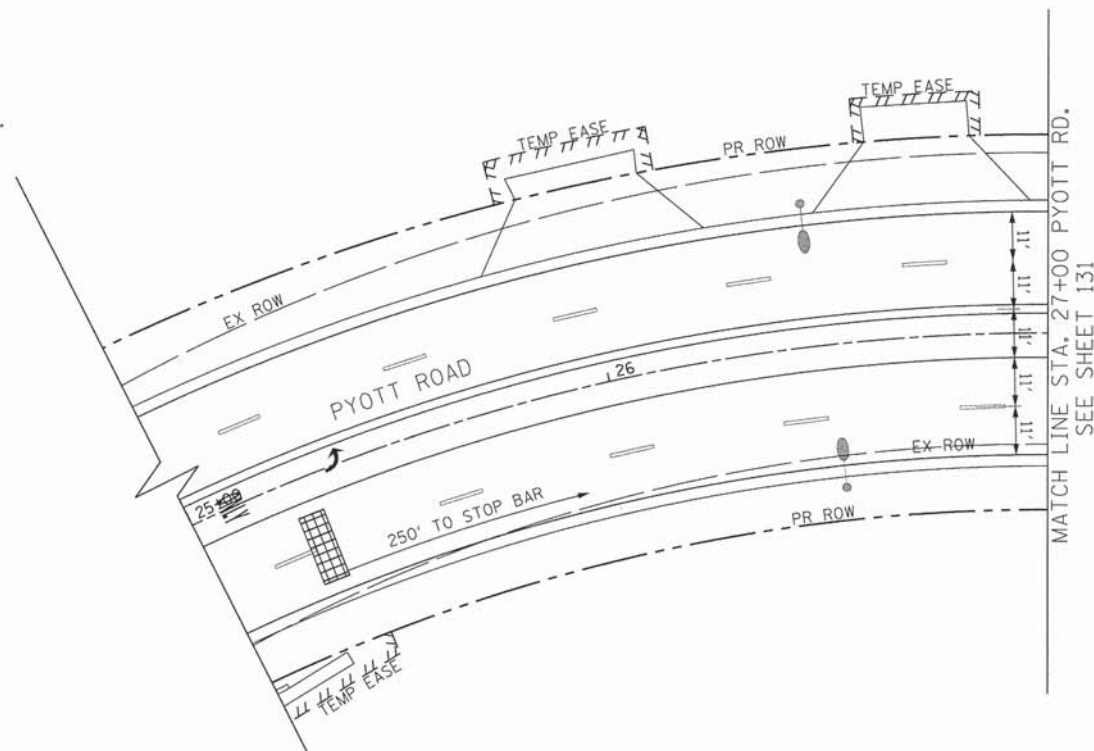
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
5. THIS SIGNAL IS UNDER THE JURISDICTION OF THE MCHENRY COUNTY DIVISION OF TRANSPORTATION, AND THE CONTRACTOR SHALL COORDINATE WITH MCDOT FOR CONCURRENCE AND APPROVAL OF MATERIALS AND INSTALLATION.
6. LUMINAIRES SHALL BE 250W HPS, 240V, ON 20-FOOT BRACKET ARM. MOUNTING HEIGHT SHALL BE NOMINALLY 40 FEET.



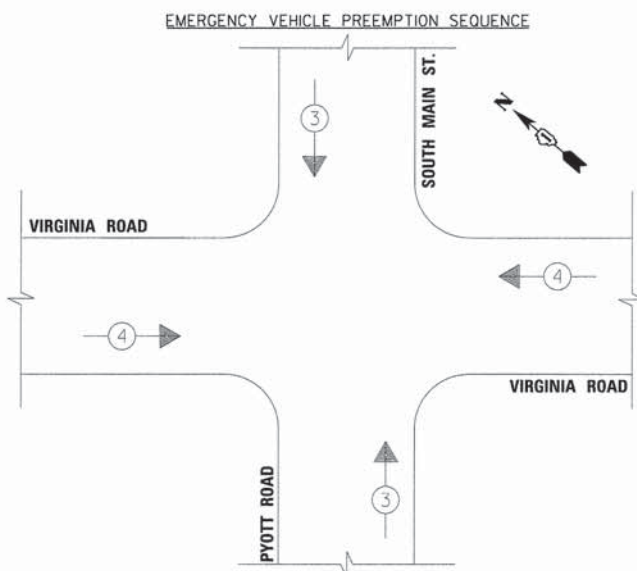
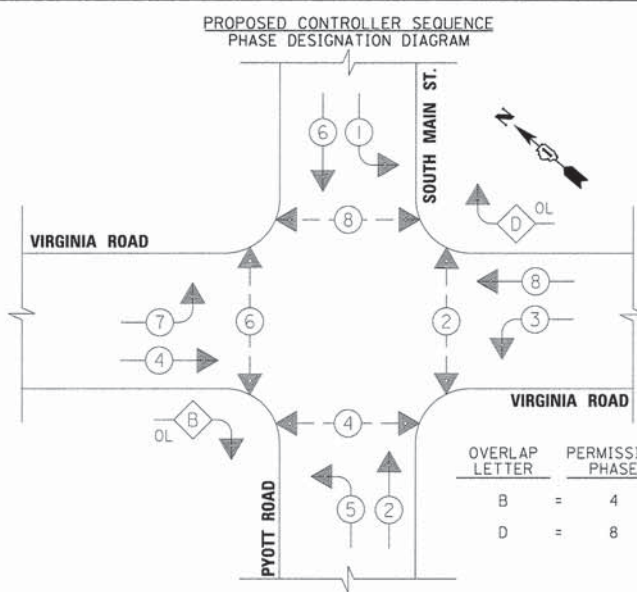
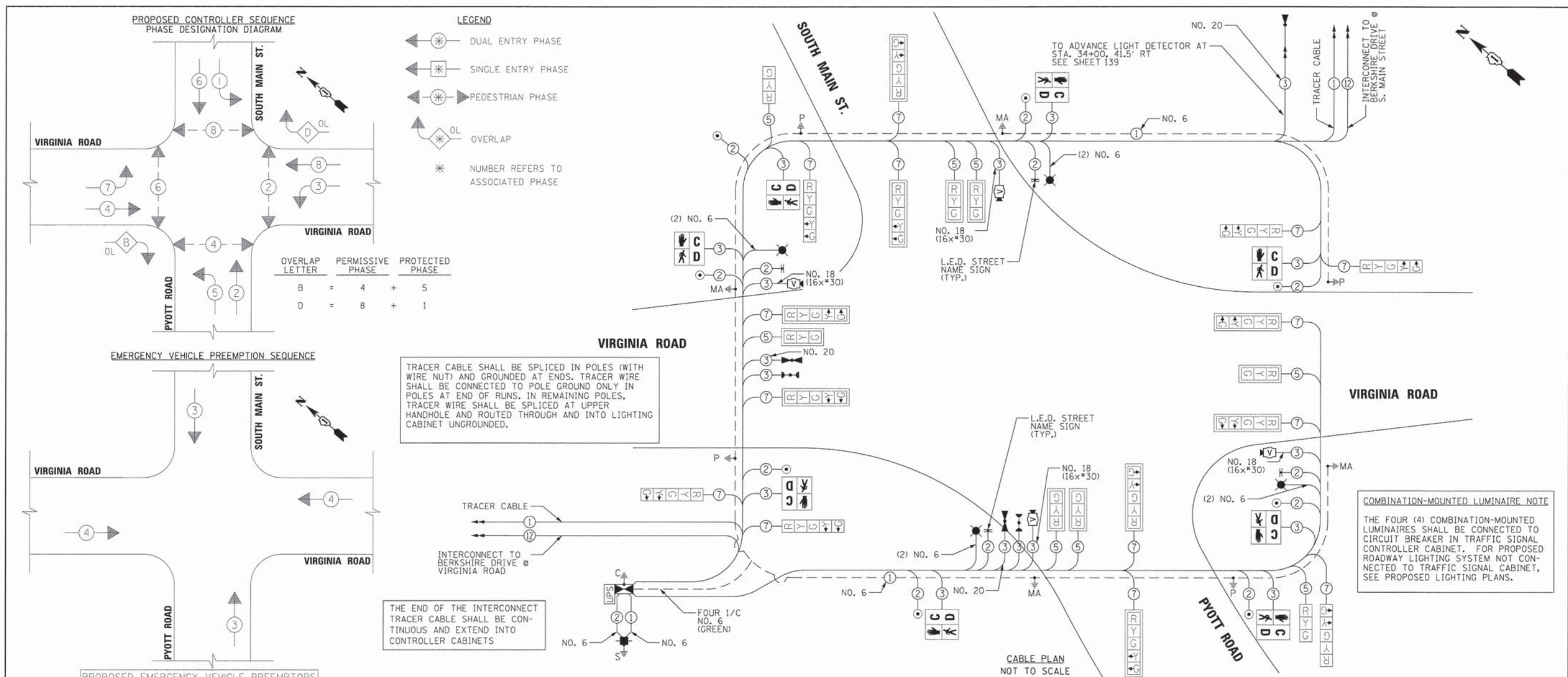
CONSTRUCTION NOTES

1. APPROVED CAMERA DETECTION SYSTEM FOR THIS PROJECT INCLUDE THE AUTOSCOPE TERRA SYSTEM.
2. ALL COMBINATION MAST ARM ASSEMBLY AND POLES SHALL HAVE A 20' ARM TO MOUNT THE VIDEO DETECTION CAMERA AND LUMINAIRE. THE ARM SHALL BE ALIGNED DIRECTLY ABOVE AND PARALLEL TO THE MAST ARM. MOUNTING HEIGHT SHALL BE 40 FEET.
3. MAST ARMS AND POSTS SHALL BE GALVANIZED FINISH.
4. PROVIDE 2-2" CONDUIT STUBS IN EACH FOUNDATION FOR MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE.
5. ALL INDICATIONS SHALL BE L.E.D.

FOR PAVEMENT MARKINGS SEE PAVEMENT MARKING AND SIGNING PLANS



FILE NAME =	USER NAME = jalarinez	DESIGNED - HJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VIRGINIA ROAD AND S. MAIN STREET TRAFFIC SIGNAL INSTALLATION PLAN (2 of 2)		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH01\0113\Traffic\CD\Sheets\113-TS-001	TS1 MV.dgn	DRAWN - RJB	REVISED -		SCALE: 1"=20'	SHEET NO. 6 OF 7 SHEETS	STA.	TO STA.	0124	08-00106-0 0-FP	MCHENRY	232 132
	PLOT SCALE = 28,0000' / in.	CHECKED - HJF	REVISED -									CONTRACT NO. 63843
	PLOT DATE = 7/17/2014	DATE -	REVISED -									ILLINOIS FED. AID PROJECT



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

LEGEND

- ◀ ⊛ ⊛ → DUAL ENTRY PHASE
- ◀ ⊛ ⊛ → SINGLE ENTRY PHASE
- ◀ ⊛ ⊛ → PEDESTRIAN PHASE
- ◀ ⊛ ⊛ → OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TRACER CABLE SHALL BE SPliced IN POLES (WITH WIRE NUT) AND GROUNDED AT ENDS. TRACER WIRE SHALL BE CONNECTED TO POLE GROUND ONLY IN POLES AT END OF RUNS. IN REMAINING POLES, TRACER WIRE SHALL BE SPliced AT UPPER HANDHOLE AND ROUTED THROUGH AND INTO LIGHTING CABINET UNGROUNDED.

THE END OF THE INTERCONNECT TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO CONTROLLER CABINETS

COMBINATION-MOUNTED LUMINAIRE NOTE
THE FOUR (4) COMBINATION-MOUNTED LUMINAIRES SHALL BE CONNECTED TO CIRCUIT BREAKER IN TRAFFIC SIGNAL CONTROLLER CABINET. FOR PROPOSED ROADWAY LIGHTING SYSTEM NOT CONNECTED TO TRAFFIC SIGNAL CABINET, SEE PROPOSED LIGHTING PLANS.

SUMMARY OF QUANTITIES

NO.	CODE NO.	ITEM	UNIT	TOTAL
1	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
2	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	74
3	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	106
4	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	62
5	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	620
6	81400100	HANDHOLE	EACH	2
7	81400300	DOUBLE HANDHOLE	EACH	2
8	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2925
9	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
10	86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
11	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2353
12	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1310
13	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1792
14	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3128
15	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	200
16	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1458
17	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
18	87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
19	87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	2
20	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
21	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16

NO.	CODE NO.	ITEM	UNIT	TOTAL
22	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
23	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
24	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
25	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
26	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
27	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
28	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
29	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	14
30	88700200	LIGHT DETECTOR	EACH	4
31	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
32	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
33	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
34	89100400	ILLUMINATED SIGN, LED	EACH	4
35	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1
36	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
37	89502380	REMOVE EXISTING HANDHOLE	EACH	13
38	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
39	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
40	X0326895	VIDEO DETECTION SYSTEM	EACH	1
41	X8210425	LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR, 250 WATT, 240 VOLT	EACH	4
42	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,847
43	20073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4

McHENRY COUNTY DIVISION OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	22	17	0.50	187.0	
SIGNAL (YELLOW)	22	25	0.25	137.5	
SIGNAL (GREEN)	22	15	0.25	82.5	
ARROW	28	12	0.10	33.6	
PED. SIGNAL	8	25	1.00	200.0	
CONTROLLER	1	100	1.00	100.0	
BATTERY BACKUP	1	25	1.00	25.0	
VIDEO SYSTEMS	1	150	1.00	150.0	
LUMINAIRE	4	250	0.50	500.0	
L.E.D. ST. NAME SIGN	4	64	0.50	128.0	
FLASHER			0.05		
TOTAL =					1543.6

ENERGY COSTS - BILLED TO: CITY OF CRYSTAL LAKE
ADDRESS: 100 W. WOODSTOCK ST.

ENERGY SUPPLY - CONTACT: LISA COOK
PHONE: (630) 650-5542
COMPANY: COMED - LIBERTYVILLE

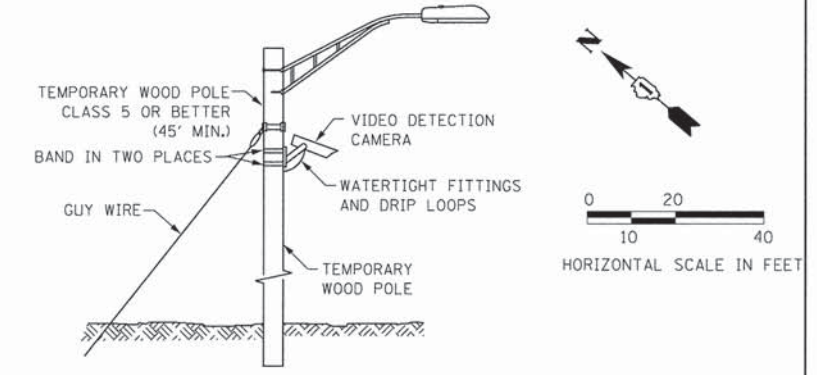
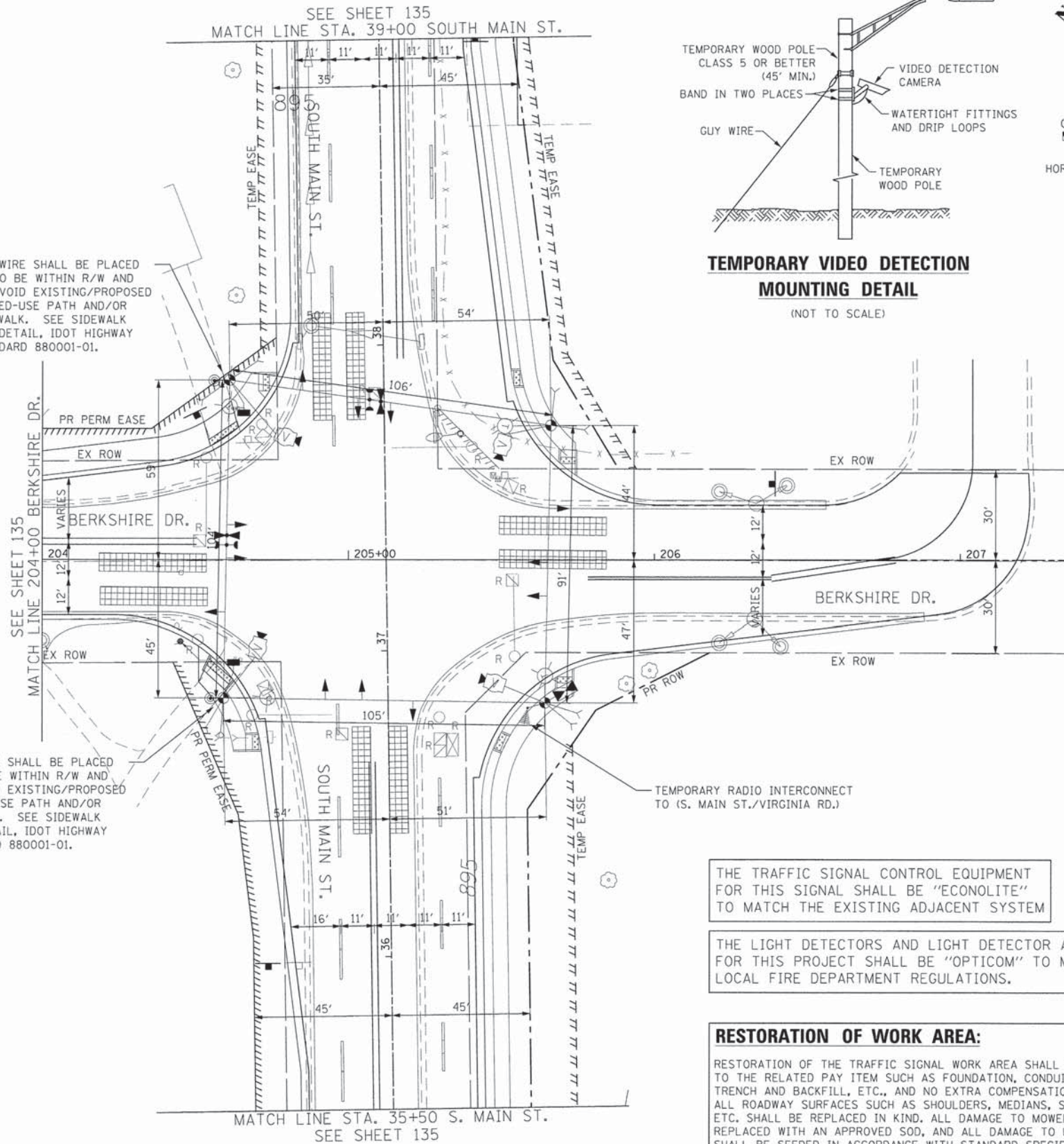
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY ECONOLITE CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY THE COUNTY, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON, THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN-ON.
- UPON COMPLETION OF THE PERMANENT TRAFFIC SIGNAL INSTALLATION, THE TEMPORARY TRAFFIC SIGNAL SHALL BE REMOVED BY THE CONTRACTOR. THE VIDEO VEHICLE DETECTION SYSTEM SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH. IF THE CONTRACTOR DECIDED TO USE THEIR OWN VIDEO DETECTION CAMERAS, THE CAMERAS SHALL REMAIN THE PROPERTY OF THE TRAFFIC SIGNAL CONTRACTOR.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING UNINTERRUPTIBLE POWER SUPPLY (UPS)-COMPLETE UNIT TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE RELOCATION OF THE UPS SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH. AFTER THE PERMANENT TRAFFIC SIGNAL INSTALLATION HAS BEEN TURNED-ON, THE CONTRACTOR SHALL REMOVE THE UPS AND ARRANGE FOR PICK UP OR DELIVERY OF ALL EQUIPMENT TO THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
- THE CONTRACTOR SHALL INSTALL TEMPORARY INTERSECTION LIGHTING ON THE TEMPORARY WOOD POLES USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL LUMINAIRES, ARMS, CABLES, AND ASSOCIATED CONNECTORS SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH.
- THE INSTALLATION AND MAINTENANCE OF THE EMERGENCY PRE-EMPTION EQUIPMENT SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" EACH.

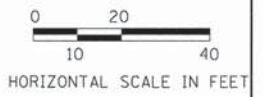
REMOVAL NOTES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT IS OWNED BY THE CITY OF CRYSTAL LAKE AND SHALL BE REMOVED AND SALVAGED BY THE CONTRACTOR. THE FOLLOWING ITEMS SHALL BE REMOVED AND REINSTALLED ON THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND ULTIMATELY THE PERMANENT TRAFFIC SIGNAL INSTALLATIONS: * THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CABINET AND CONTROLLER (COMPLETE)
- * 3 EACH LIGHT DETECTOR
- * 1 EACH LIGHT DETECTOR AMPLIFIER
- 4 EACH SIGNAL HEAD, 3-SECTION
- 8 EACH SIGNAL HEAD, 5-SECTION
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN PUSHBUTTONS
- 1 EACH SERVICE INSTALLATION



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

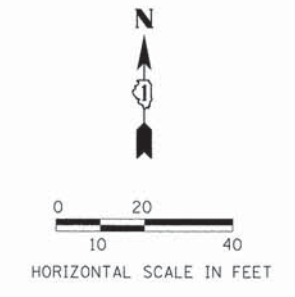
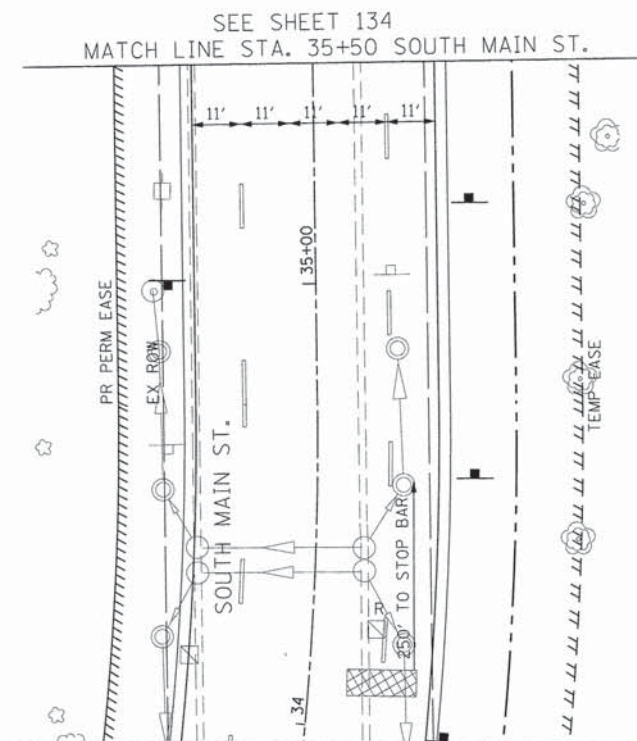
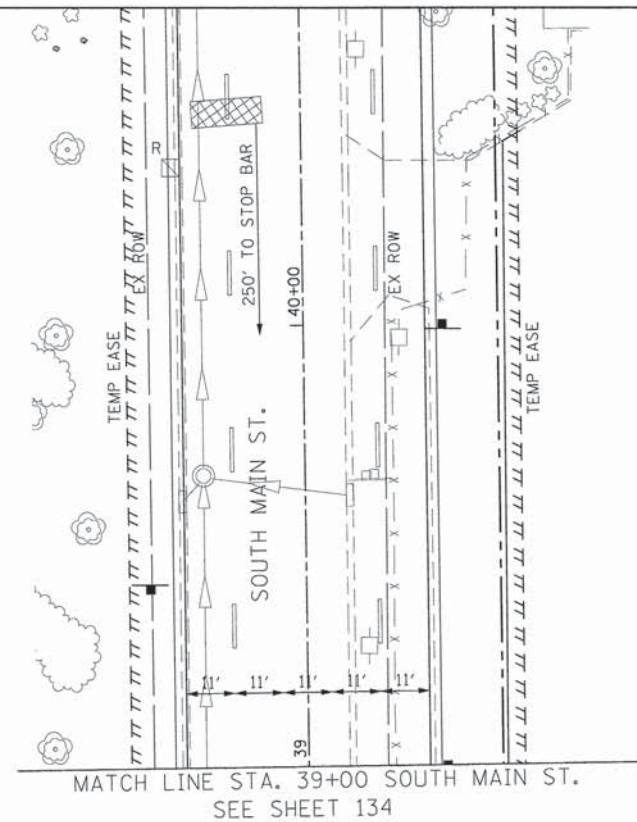
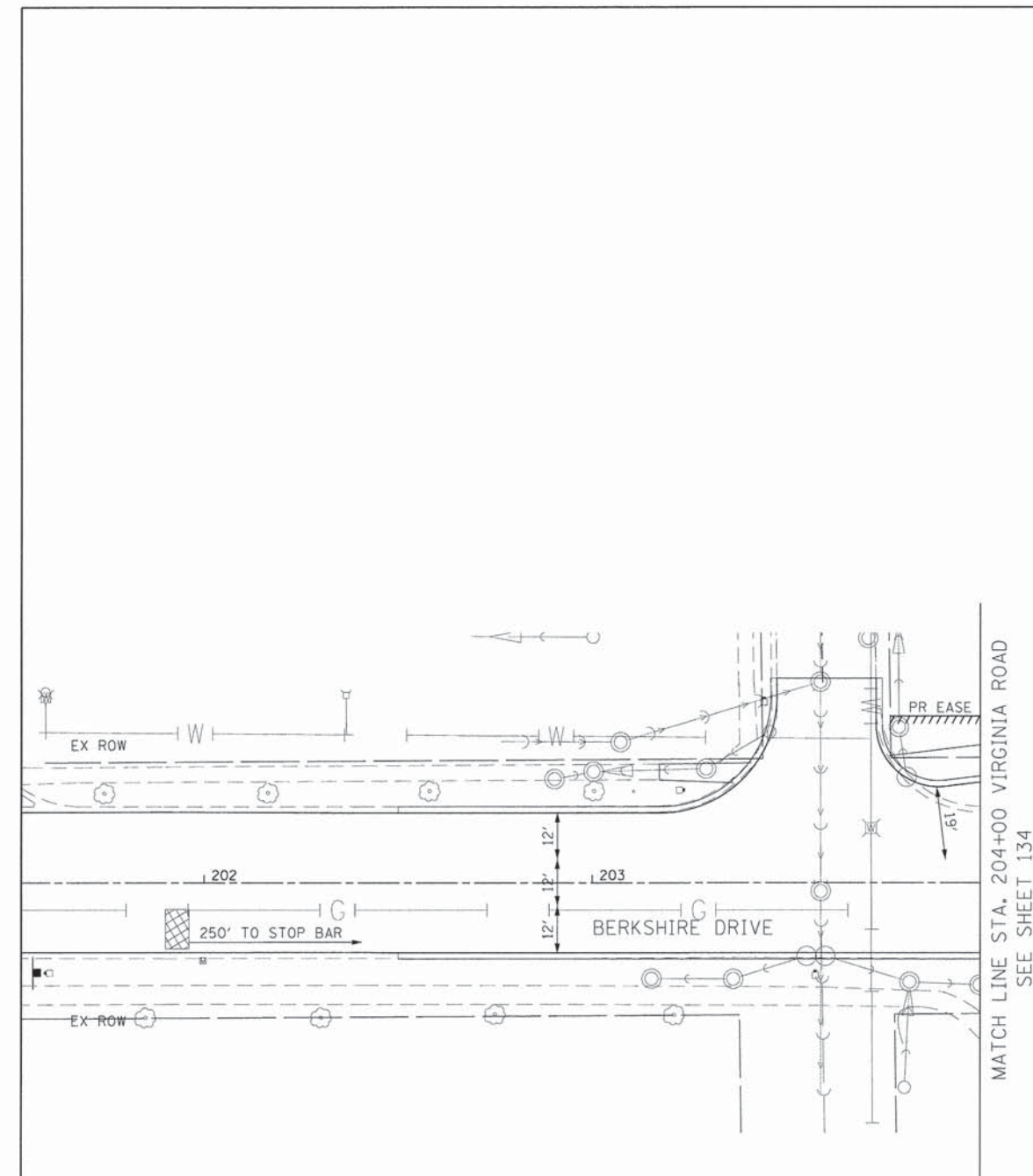


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIER FOR THIS PROJECT SHALL BE "OPTICOM" TO MEET LOCAL FIRE DEPARTMENT REGULATIONS.

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

FILE NAME =	USER NAME = jalarinez	DESIGNED - HJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. MAIN STREET AND BERKSHIRE DRIVE TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN (1 of 2)	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
G:\CH11\0113\Traffic\CO\Sheets\113-15-002A_TEMP_MB.dgn	DRAWN - RJB	REVISED -	0124			08-00106-0 0-FP	McHENRY	232	134	
PLOT SCALE = 28,8000' / in.	CHECKED - HJF	REVISED -	CONTRACT NO. 63843							
PLOT DATE = 7/17/2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE: 1"=20'	SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.		



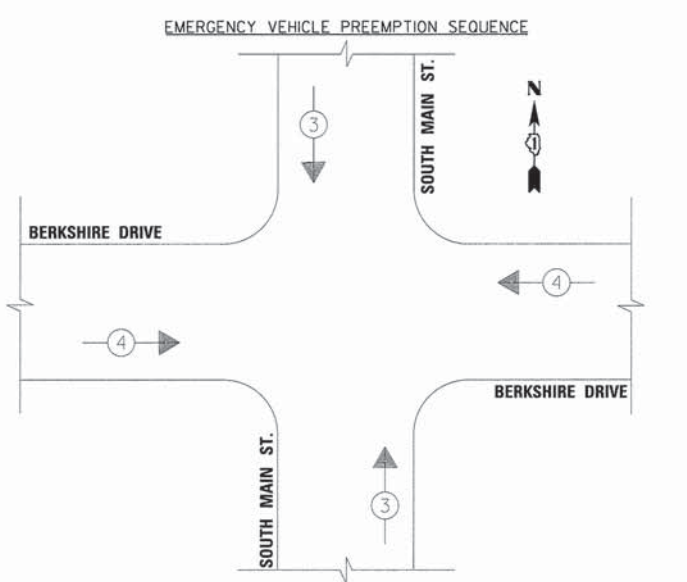
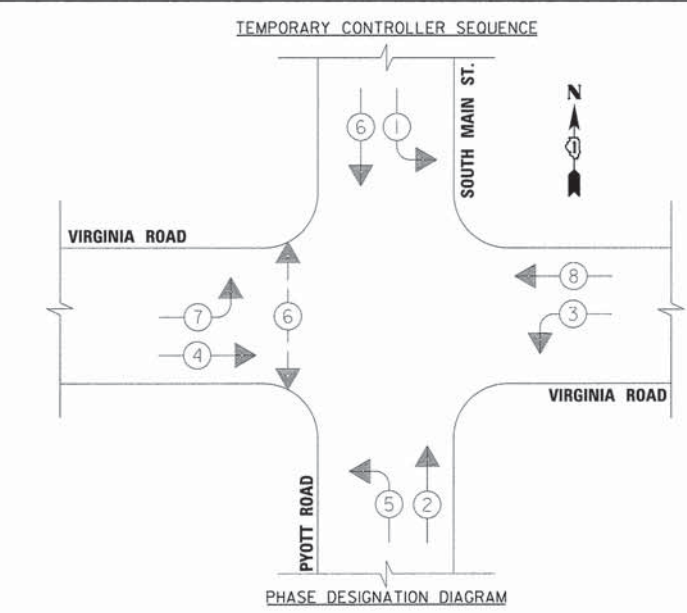
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	PLOT SCALE = 20,000' / in.	CHECKED - HJF	REVISED -
	PLOT DATE = 7/17/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S. MAIN STREET AND BERKSHIRE DRIVE
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN (2 of 2)**

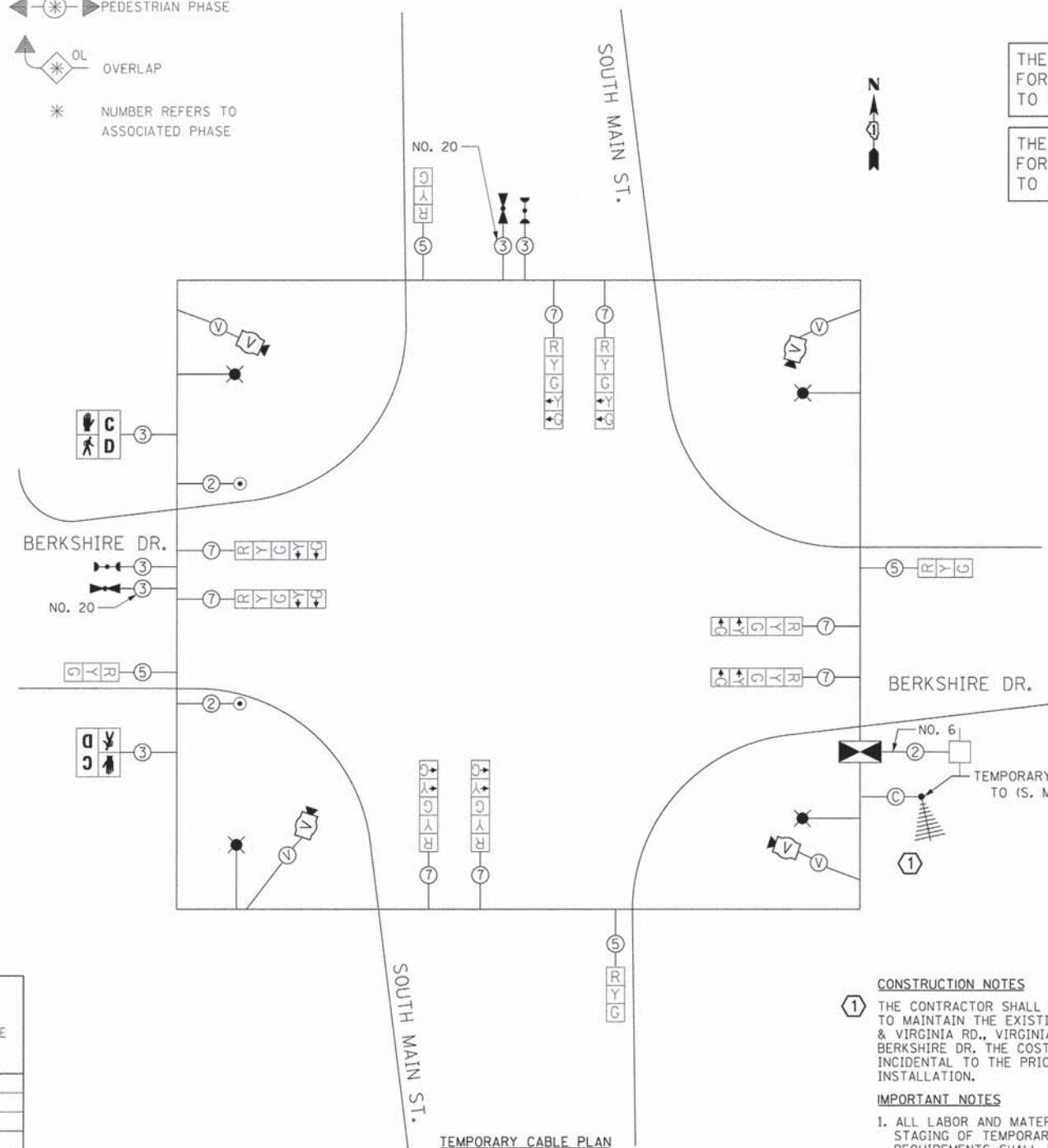
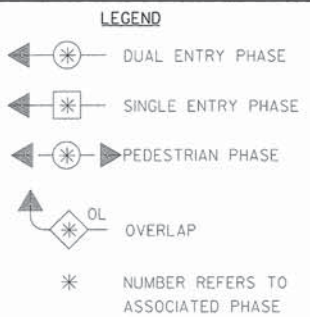
SCALE: 1"=20' SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-0 0-FP	MCHENRY	232	135
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTORS	3	4		
MOVEMENT	↑	→		



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

THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS SIGNAL SHALL BE "OPTICOM" TO MATCH EXISTING.

- CONSTRUCTION NOTES**
- THE CONTRACTOR SHALL INSTALL A RADIO INTERCONNECT SYSTEM TO MAINTAIN THE EXISTING INTERCONNECT BETWEEN S. MAIN ST. & VIRGINIA RD., VIRGINIA RD. & BERKSHIRE DR. AND S. MAIN ST & BERKSHIRE DR. THE COST OF THE RADIO INTERCONNECT SHALL BE INCIDENTAL TO THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- IMPORTANT NOTES**
- ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH ALL MOT STAGING OF TEMPORARY TRAFFIC SIGNAL INSTALLATION REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
 - MULTIPLE SIGNAL HEAD ADDITIONS AND RELOCATIONS TO THIS TEMPORARY TRAFFIC SIGNAL WILL BE NECESSARY TO COMPLEMENT CONSTRUCTION SEQUENCING IN ALL MOT STAGE CONSTRUCTION. ALL LABOR AND MATERIAL NECESSARY TO PERFORM THIS WORK IN A MANNER ACCEPTABLE TO THE MCHENRY COUNTY DIVISION OF TRANSPORTATION TRAFFIC ENGINEER SHALL BE CONSIDERED A PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

CITY OF CRYSTAL LAKE
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102.0
SIGNAL (YELLOW)	12		25	0.25	75.0
SIGNAL (GREEN)	12		15	0.25	45.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1	100		1.00	100.0
BATTERY BACKUP	1	25		1.00	25.0
VIDEO SYSTEMS	1	150		1.00	150.0
LUMINAIRE	4	250		0.50	500.0
L.E.D. ST. NAME SIGN			64	0.50	
FLASHER				0.05	
TOTAL =					1066.2

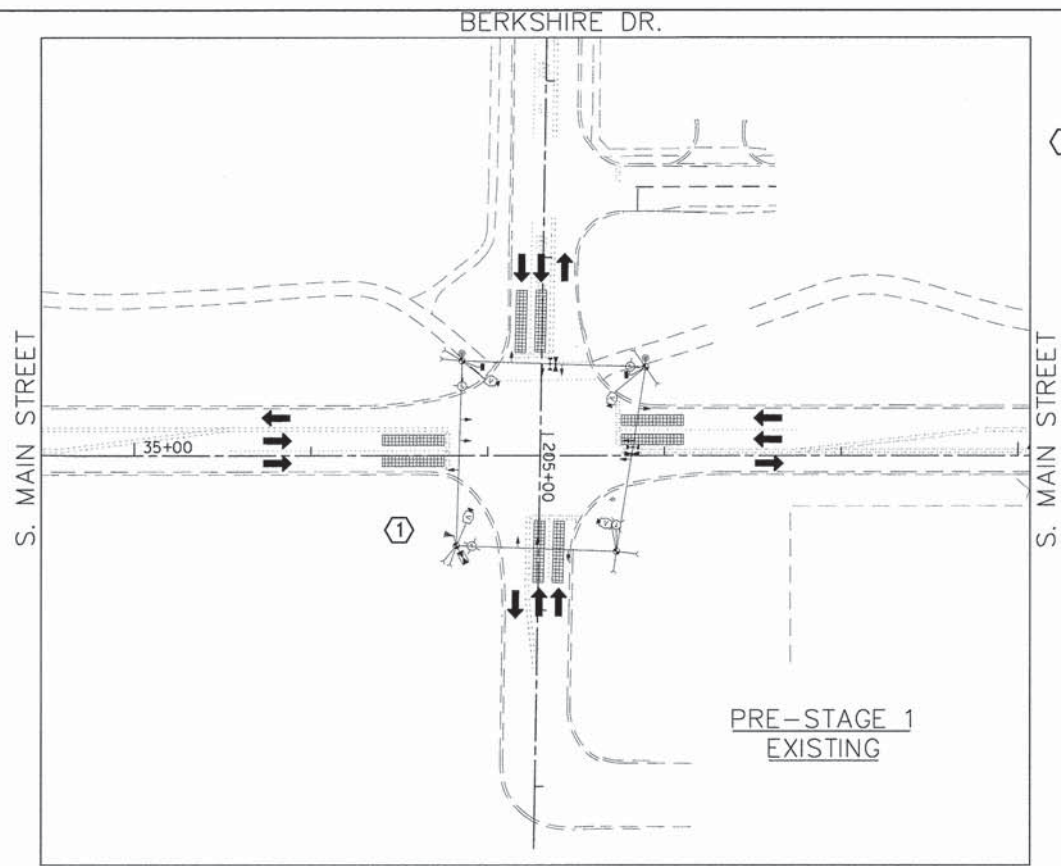
ENERGY COSTS - BILLED TO: CITY OF CRYSTAL LAKE
ADDRESS: 100 W. WOODSTOCK ST.

ENERGY SUPPLY - CONTACT: LISA COOK
PHONE: (630) 650-5542
COMPANY: COMED - LIBERTYVILLE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

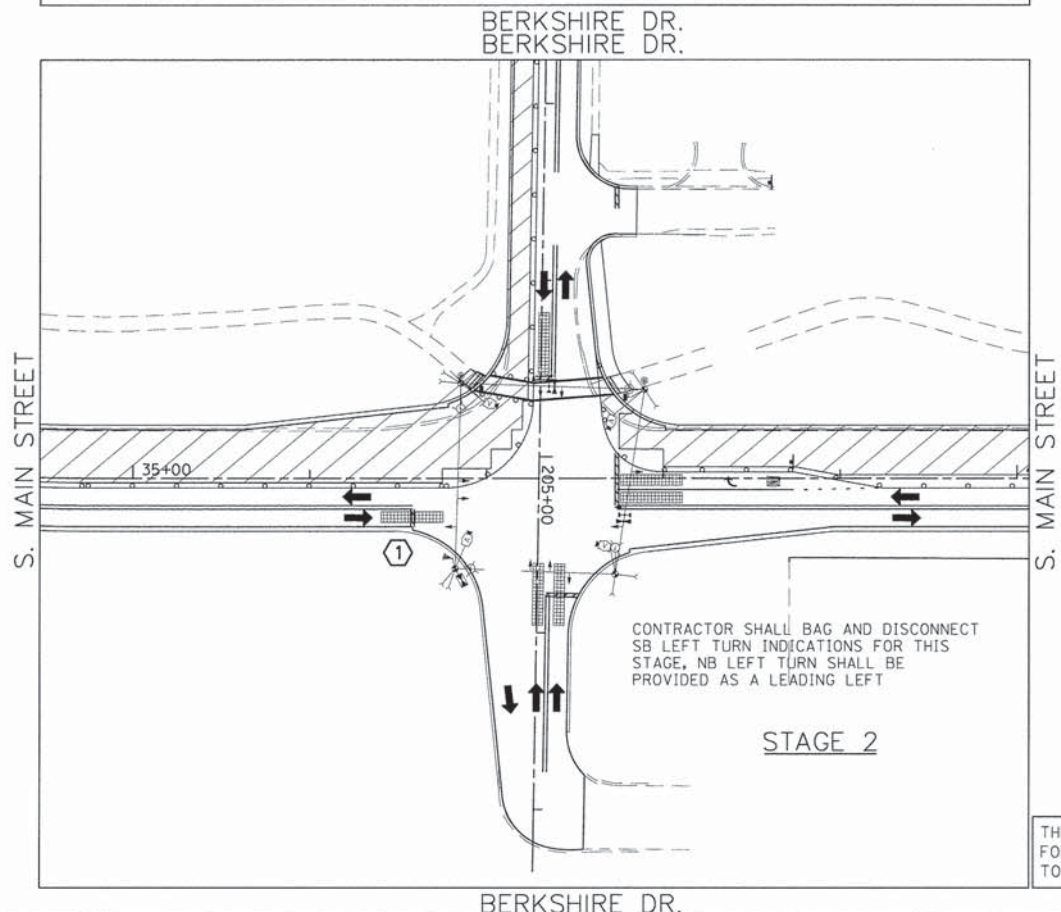
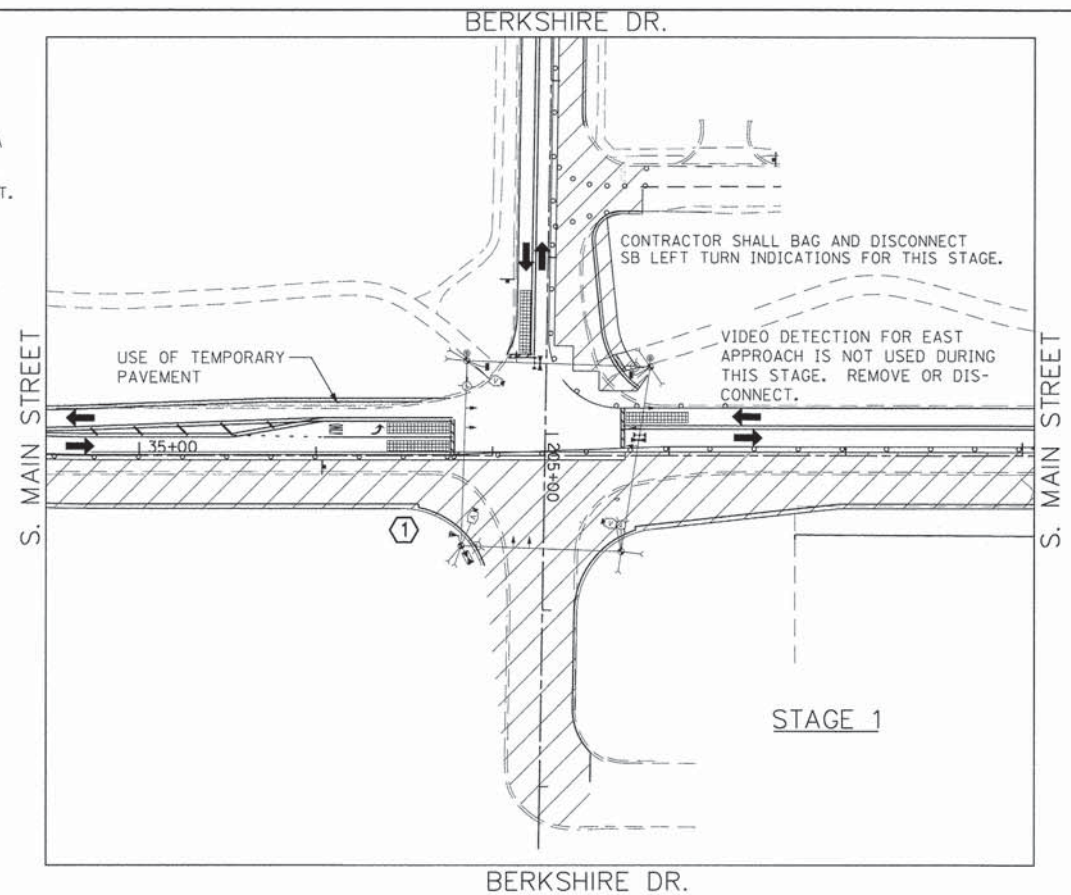
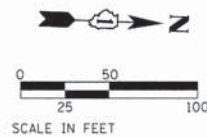
S. MAIN STREET AND BERKSHIRE DRIVE
TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM

FILE NAME = G:\CH11\0113\Traffic\CO\Sheets\113-TS-2021-CAB MB.dgn	USER NAME = jalorinez	DESIGNED -	REVISED -	SCALE: 1"=20'	SHEET NO. 3 OF 7 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 28,000' / 1"	DRAWN -	REVISED -				0124	08-00106-00-FP	MCHENRY	232	136
	PLOT DATE = 7/17/2014	CHECKED -	REVISED -				CONTRACT NO. 63843				
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				



CONSTRUCTION NOTES

① THE CONTRACTOR SHALL INSTALL A RADIO INTERCONNECT SYSTEM TO MAINTAIN THE EXISTING INTERCONNECT BETWEEN S. MAIN ST. & VIRGINIA RD., VIRGINIA RD. & BERKSHIRE DR. AND S. MAIN ST & BERKSHIRE DR. THE COST OF THE RADIO INTERCONNECT SHALL BE INCIDENTAL TO THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.



LEGEND:

- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ▩ TEMPORARY PAVEMENT
- ☀ FLASHING BEACON
- CONE, DRUM OR BARRICADE

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

FILE NAME =	USER NAME = jatorinez	DESIGNED -	REVISED -
G:\CH1\1\0113\Traffic\CD\Sheets\113-TS-302-STAGING MB.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S. MAIN STREET AND BERKSHIRE DRIVE
TEMPORARY TRAFFIC SIGNAL STAGING**

SCALE: 1"=50' SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	137
	TS-XX		CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- LUMINAIRES SHALL BE 250W HPS, 240V, ON 20-FOOT BRACKET ARM. MOUNTING HEIGHT SHALL BE NOMINALLY 40 FEET.

CONSTRUCTION NOTES

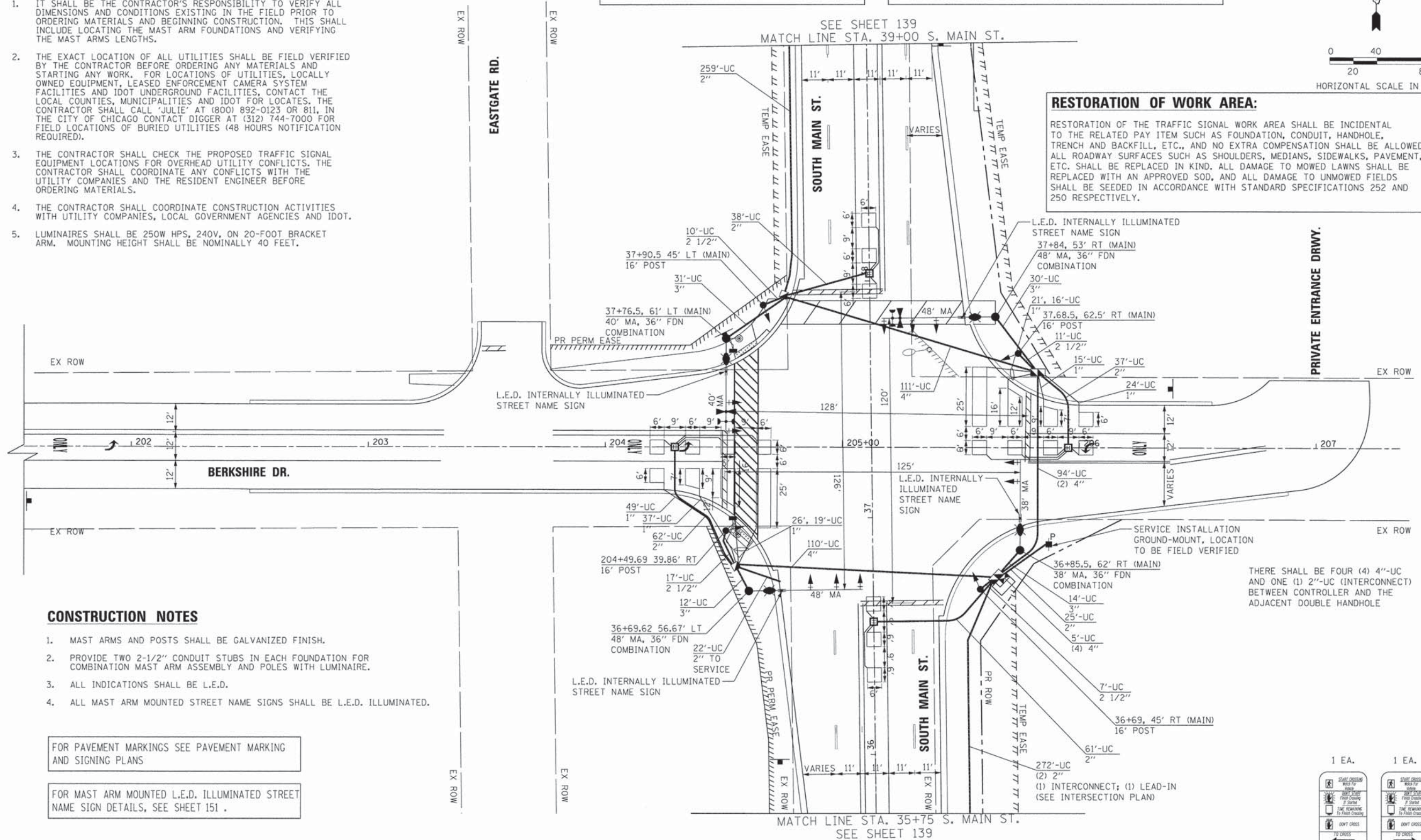
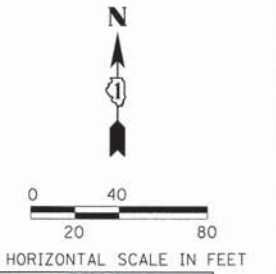
- MAST ARMS AND POSTS SHALL BE GALVANIZED FINISH.
- PROVIDE TWO 2-1/2" CONDUIT STUBS IN EACH FOUNDATION FOR COMBINATION MAST ARM ASSEMBLY AND POLES WITH LUMINAIRE.
- ALL INDICATIONS SHALL BE L.E.D.
- ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL BE L.E.D. ILLUMINATED.

FOR PAVEMENT MARKINGS SEE PAVEMENT MARKING AND SIGNING PLANS

FOR MAST ARM MOUNTED L.E.D. ILLUMINATED STREET NAME SIGN DETAILS, SEE SHEET 151.

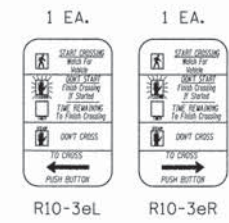
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIER FOR THIS PROJECT SHALL BE "OPTICOM" TO MEET LOCAL FIRE DEPARTMENT REGULATIONS.

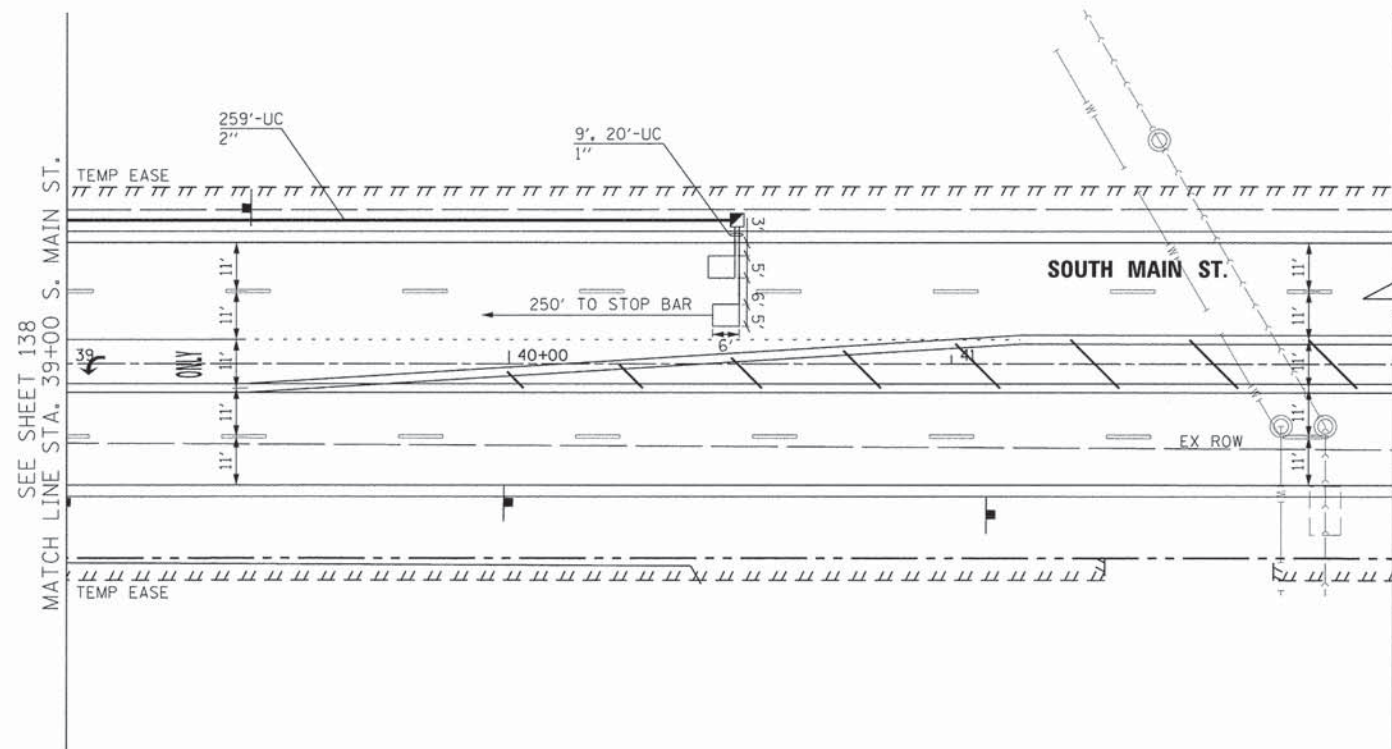
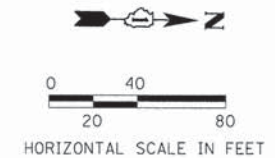


RESTORATION OF WORK AREA:
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

THERE SHALL BE FOUR (4) 4"-UC AND ONE (1) 2"-UC (INTERCONNECT) BETWEEN CONTROLLER AND THE ADJACENT DOUBLE HANDHOLE



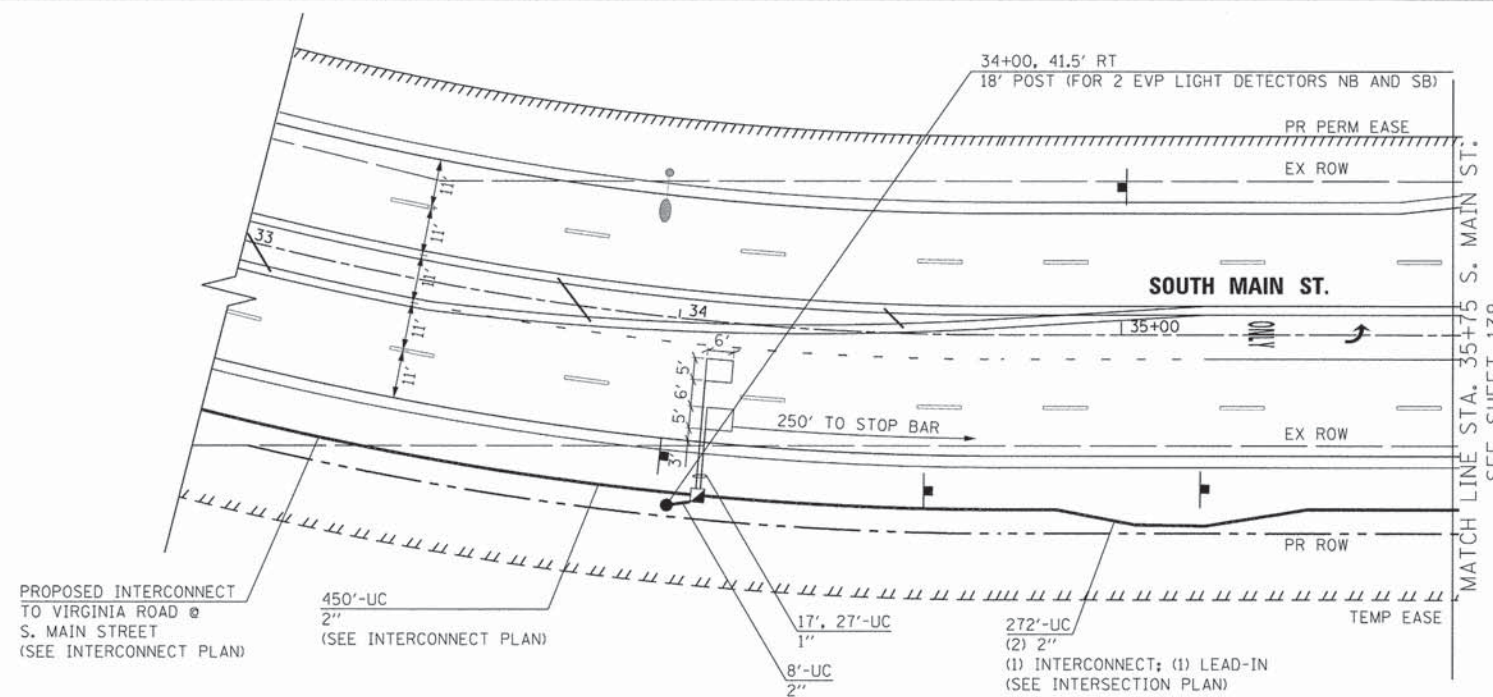
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		DRAWN -	REVISED -					0124	08-00106-00-FP	MCHENRY	232	138
		PLOT SCALE = 28,0000' / 1"	REVISED -					CONTRACT NO. 63843				
		PLOT DATE = 7/17/2014	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1"=20'		SHEET NO. 5 OF 7 SHEETS STA. TO STA.						



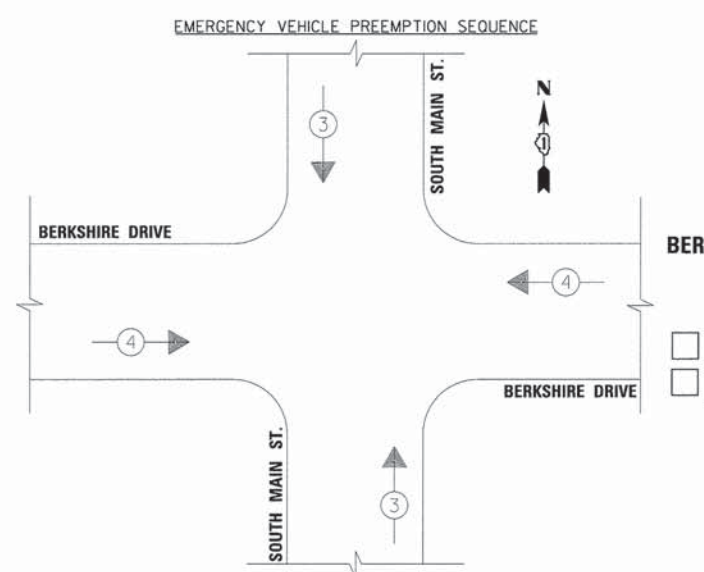
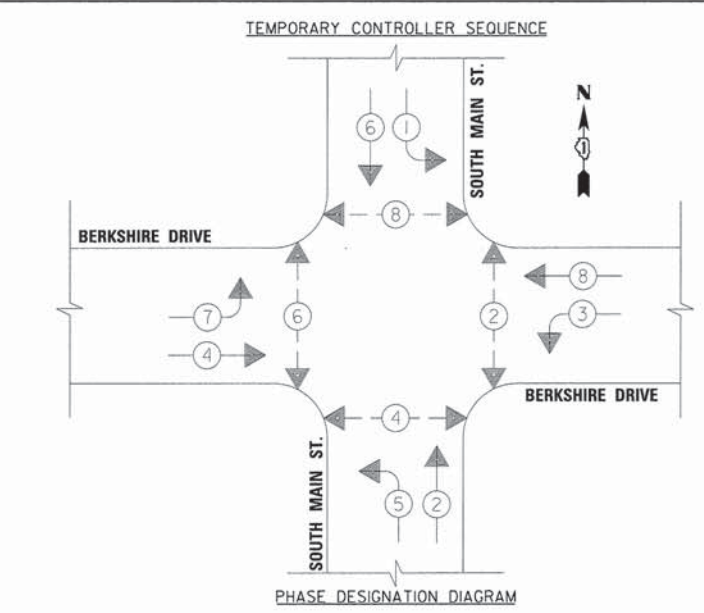
GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
5. LUMINAIRES SHALL BE 250W HPS, 240V, ON 20-FOOT BRACKET ARM. MOUNTING HEIGHT SHALL BE NOMINALLY 40 FEET.

FOR PAVEMENT MARKINGS SEE PAVEMENT MARKING AND SIGNING PLANS



FILE NAME * G:\CH11\0113\Traffic\CD\Sheets\113-TS-0028	USER NAME * galarinez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. MAIN STREET AND BERKSHIRE DRIVE TRAFFIC SIGNAL INSTALLATION PLAN (2 of 2)	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 28,0000 ' / in.	CHECKED -	REVISED -			0124	08-00106-00-FP	MCHENRY	232	139
	PLOT DATE = 7/17/2014	DATE -	REVISED -			CONTRACT NO. 63843				
	SCALE: 1"=20' SHEET NO. 6 OF 7 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT									



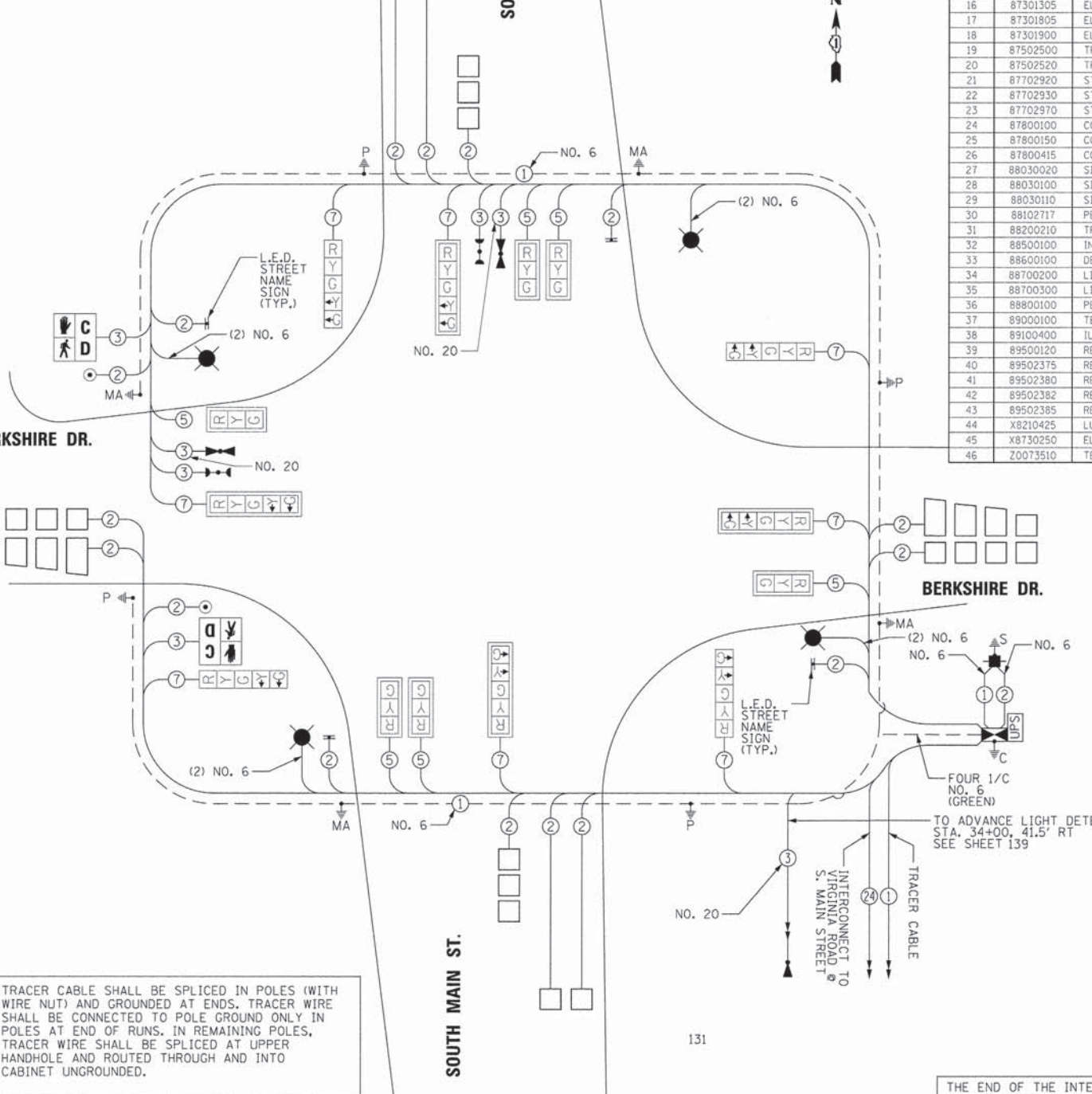
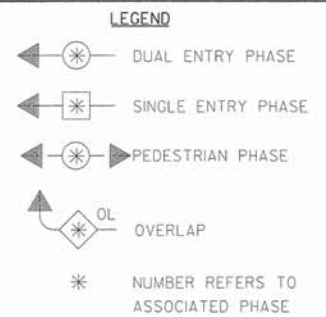
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑ ↓	← →

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14		17	0.50	119.0
SIGNAL (YELLOW)	14		25	0.25	87.5
SIGNAL (GREEN)	14		15	0.25	52.5
ARROW	16		12	0.10	19.2
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1	100		1.00	100.0
BATTERY BACKUP	1	25		1.00	25.0
VIDEO SYSTEMS		150		1.00	
LUMINAIRE	4	250		0.50	500.0
L.E.D. ST. NAME SIGN	4		64	0.50	128.0
FLASHER					
TOTAL =					1081.2

ENERGY COSTS - BILLED TO: CITY OF CRYSTAL LAKE
 ADDRESS: 100 W. WOODSTOCK ST.

ENERGY SUPPLY - CONTACT: LISA COOK
 PHONE: (630) 650-5542
 COMPANY: COMED - LIBERTYVILLE

FILE NAME = G:\CH11\0113\Traffic\CO\Sheets\113-TS-002	USER NAME = jalarinoz	DESIGNED -	REVISED -
CAB MB.dgn		DRAWN -	REVISED -
PLOT SCALE = 20,0000' / in.		CHECKED -	REVISED -
PLOT DATE = 7/17/2014		DATE -	REVISED -



TRACER CABLE SHALL BE SPLICED IN POLES (WITH WIRE NUT) AND GROUNDED AT ENDS. TRACER WIRE SHALL BE CONNECTED TO POLE GROUND ONLY IN POLES AT END OF RUNS. IN REMAINING POLES, TRACER WIRE SHALL BE SPLICED AT UPPER HANDHOLE AND ROUTED THROUGH AND INTO CABINET UNGROUNDED.

CABLE PLAN NOT TO SCALE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

NO.	CODE NO.	ITEM	UNIT	TOTAL
1	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
2	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	704
3	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	52
4	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	87
5	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	429
6	81400100	HANDHOLE	EACH	4
7	81400200	HEAVY-DUTY HANDHOLE	EACH	4
8	81400300	DOUBLE HANDHOLE	EACH	2
9	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1868
10	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
11	86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
12	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1266
13	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1038
14	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1883
15	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1667
16	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2708
17	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	200
18	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	546
19	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
20	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
21	87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
22	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
23	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	2
24	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20
25	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
26	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	56
27	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
28	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
29	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
30	88102117	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
31	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
32	88500100	INDUCTIVE LOOP DETECTOR	EACH	10
33	88600100	DETECTOR LOOP, TYPE I	FOOT	995
34	88700200	LIGHT DETECTOR	EACH	6
35	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
36	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
37	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
38	89100400	ILLUMINATED SIGN, LED	EACH	4
39	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1
40	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
41	89502380	REMOVE EXISTING HANDHOLE	EACH	9
42	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
43	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
44	X8210425	LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR, 250 WATT, 240 VOLT	EACH	4
45	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	883
46	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4

COMBINATION-MOUNTED LUMINAIRE NOTE
 THE FOUR (4) COMBINATION-MOUNTED LUMINAIRES SHALL BE CONNECTED TO CIRCUIT BREAKER IN TRAFFIC SIGNAL CONTROLLER CABINET. FOR PROPOSED ROADWAY LIGHTING SYSTEM NOT CONNECTED TO TRAFFIC SIGNAL CABINET, SEE PROPOSED LIGHTING PLANS.

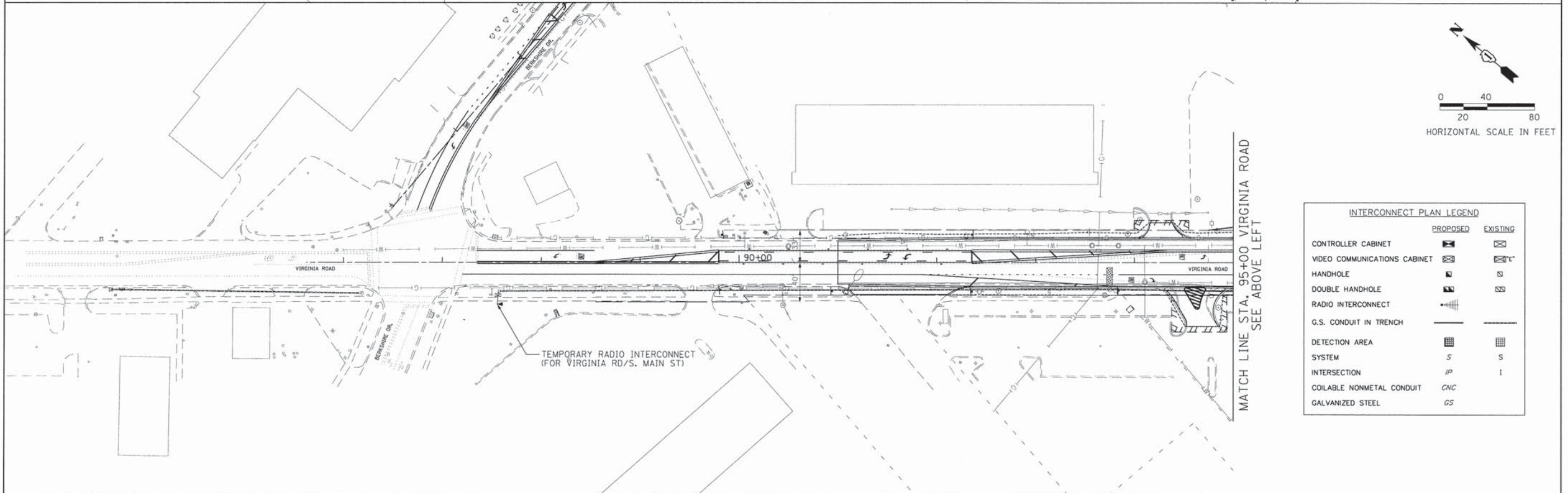
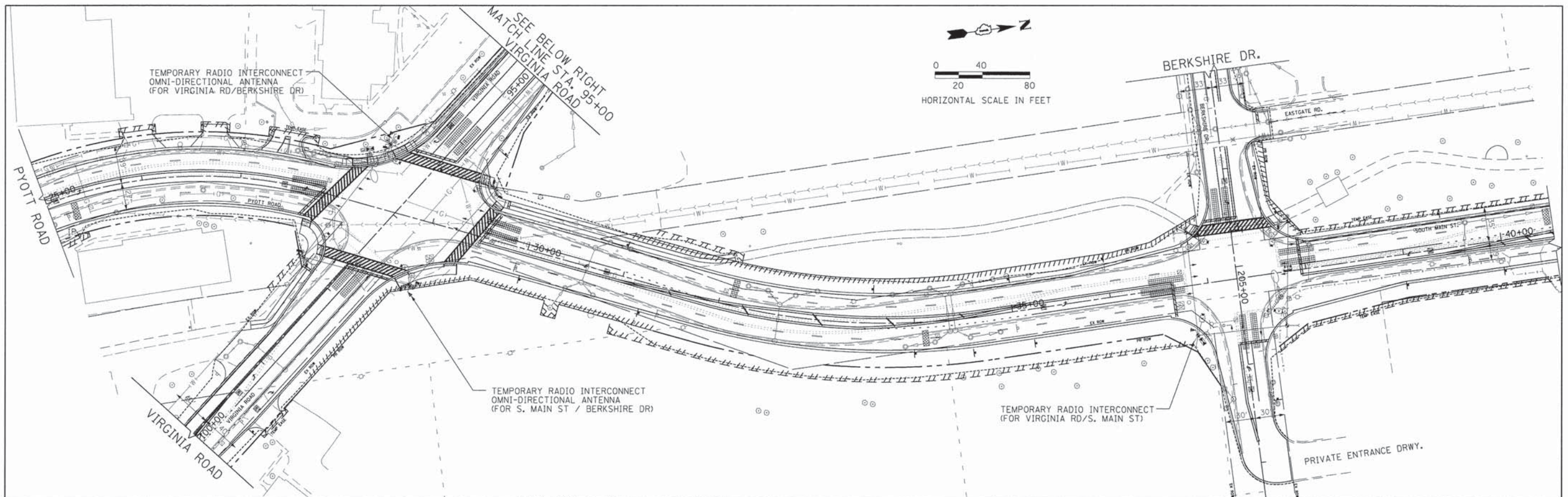
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS SIGNAL SHALL BE "OPTICOM" TO MATCH EXISTING.

THE END OF THE INTERCONNECT TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO CONTROLLER CABINETS

S. MAIN STREET AND BERKSHIRE DRIVE
 CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 SCALE: 1"=20' SHEET NO. 7 OF 7 SHEETS STA. TO STA.

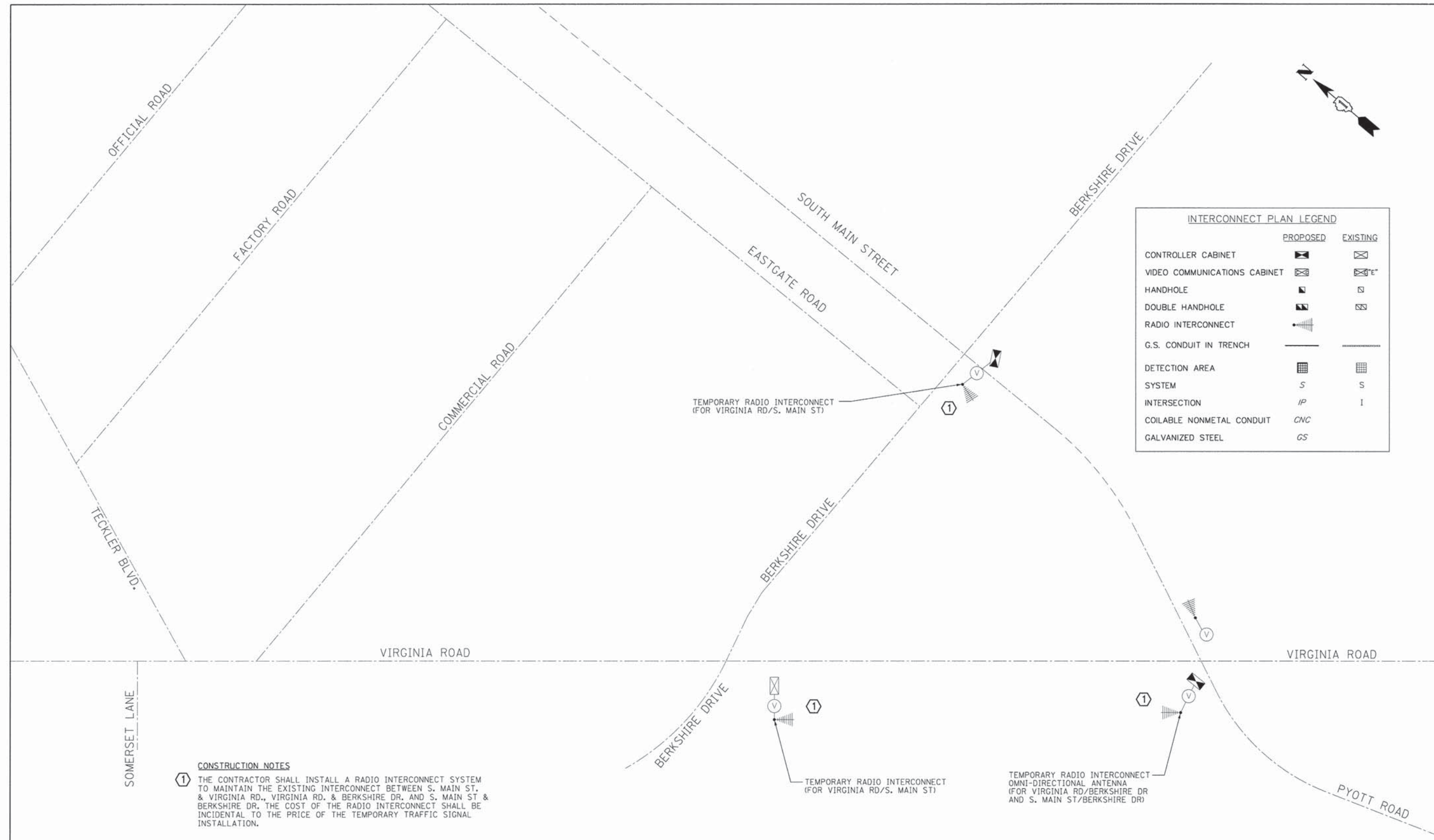
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	140
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		
VIDEO COMMUNICATIONS CABINET		
HANDHOLE		
DOUBLE HANDHOLE		
RADIO INTERCONNECT		
G.S. CONDUIT IN TRENCH		
DETECTION AREA		
SYSTEM		
INTERSECTION		
COILABLE NONMETAL CONDUIT	CNC	
GALVANIZED STEEL	GS	

FILE NAME *	USER NAME * jalarinoz	DESIGNED - RJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET TEMPORARY INTERCONNECT PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH11\18113\Traffic\CD\Sheets\113-TS-003	TEMP INTER.dgn	DRAWN - RJB	REVISED -			0124	08-00106-00-FP	McHENRY	232	141	
	PLOT SCALE = 50,0000' / 1" =	CHECKED - HJF	REVISED -			SCALE: 1"=50'		SHEET NO. 1 OF 4 SHEETS		CONTRACT NO. 63843	
	PLOT DATE = 7/17/2014	DATE - #DATE	REVISED -			STA. TO STA.		ILLINOIS FED. AID PROJECT			



INTERCONNECT PLAN LEGEND		
	PROPOSED	EXISTING
CONTROLLER CABINET		
VIDEO COMMUNICATIONS CABINET		
HANDHOLE		
DOUBLE HANDHOLE		
RADIO INTERCONNECT		
G.S. CONDUIT IN TRENCH		
DETECTION AREA		
SYSTEM	S	S
INTERSECTION	IP	I
COILABLE NONMETAL CONDUIT	CNC	
GALVANIZED STEEL	GS	

CONSTRUCTION NOTES

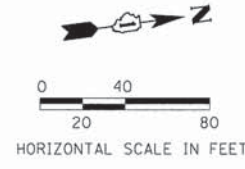
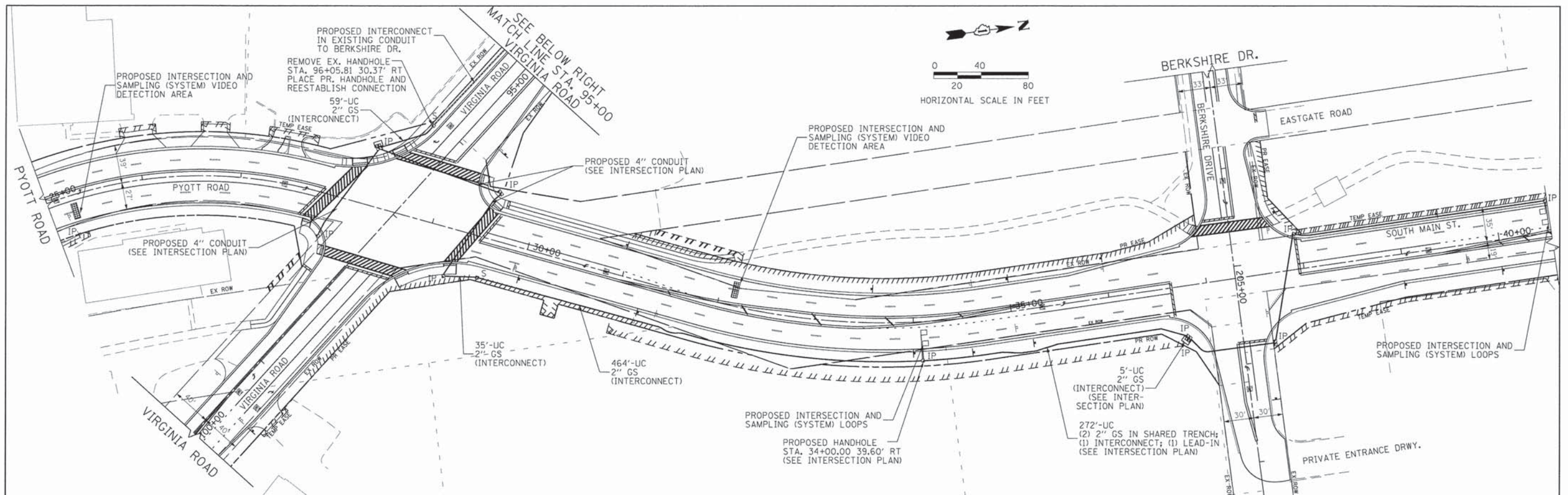
① THE CONTRACTOR SHALL INSTALL A RADIO INTERCONNECT SYSTEM TO MAINTAIN THE EXISTING INTERCONNECT BETWEEN S. MAIN ST. & VIRGINIA RD., VIRGINIA RD. & BERKSHIRE DR. AND S. MAIN ST & BERKSHIRE DR. THE COST OF THE RADIO INTERCONNECT SHALL BE INCIDENTAL TO THE PRICE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY RADIO INTERCONNECT (FOR VIRGINIA RD/S. MAIN ST)

TEMPORARY RADIO INTERCONNECT (FOR VIRGINIA RD/S. MAIN ST)

TEMPORARY RADIO INTERCONNECT OMNI-DIRECTIONAL ANTENNA (FOR VIRGINIA RD/BERKSHIRE DR AND S. MAIN ST/BERKSHIRE DR)

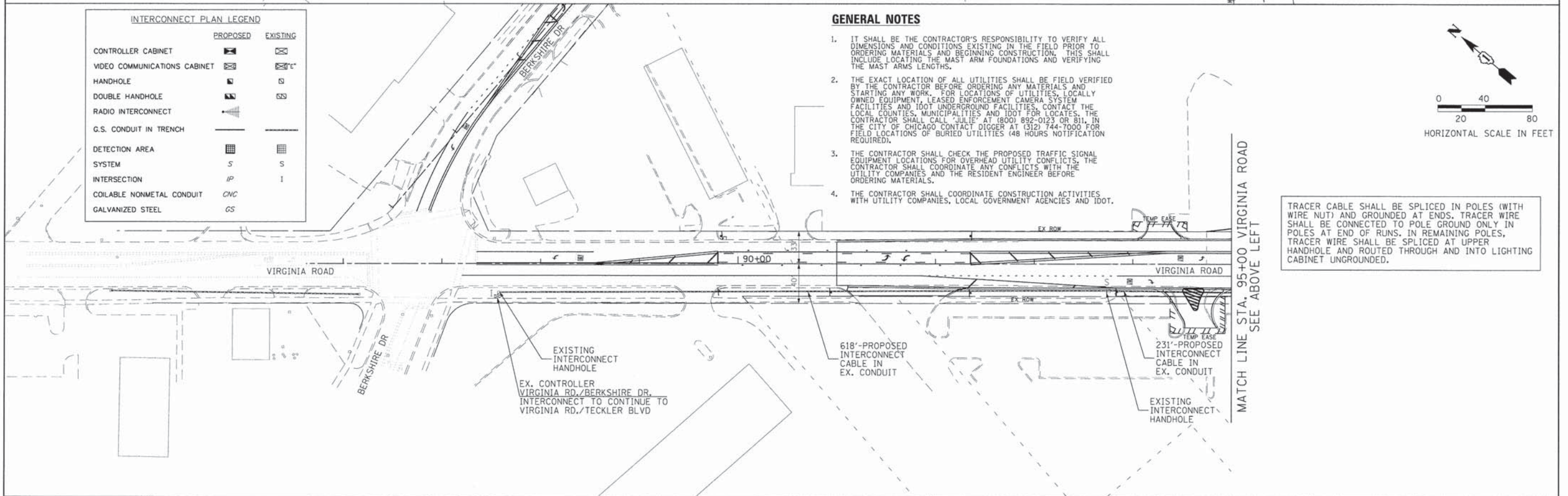
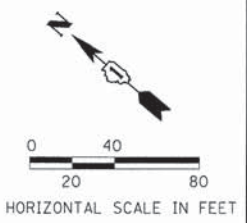
FILE NAME =	USER NAME = jalarinez	DESIGNED - HJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. MAIN STREET TEMPORARY INTERCONNECT SCHEMATIC	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH11\0113\Traffic\CD\Sheets\113-TS-002	TEMP SCH.dgn	DRAWN - RJB	REVISED -			0124	08-00106-0 0-FP	MCHENRY	232	142	
	PLOT SCALE = 20,0000' / in.	CHECKED - HJF	REVISED -			CONTRACT NO. 63843					
	PLOT DATE = 7/17/2014	DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT					



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET	[Symbol]	[Symbol]
VIDEO COMMUNICATIONS CABINET	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
RADIO INTERCONNECT	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH	[Symbol]	[Symbol]
DETECTION AREA	[Symbol]	[Symbol]
SYSTEM	S	S
INTERSECTION	IP	I
COILABLE NONMETAL CONDUIT	CNC	
GALVANIZED STEEL	GS	

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

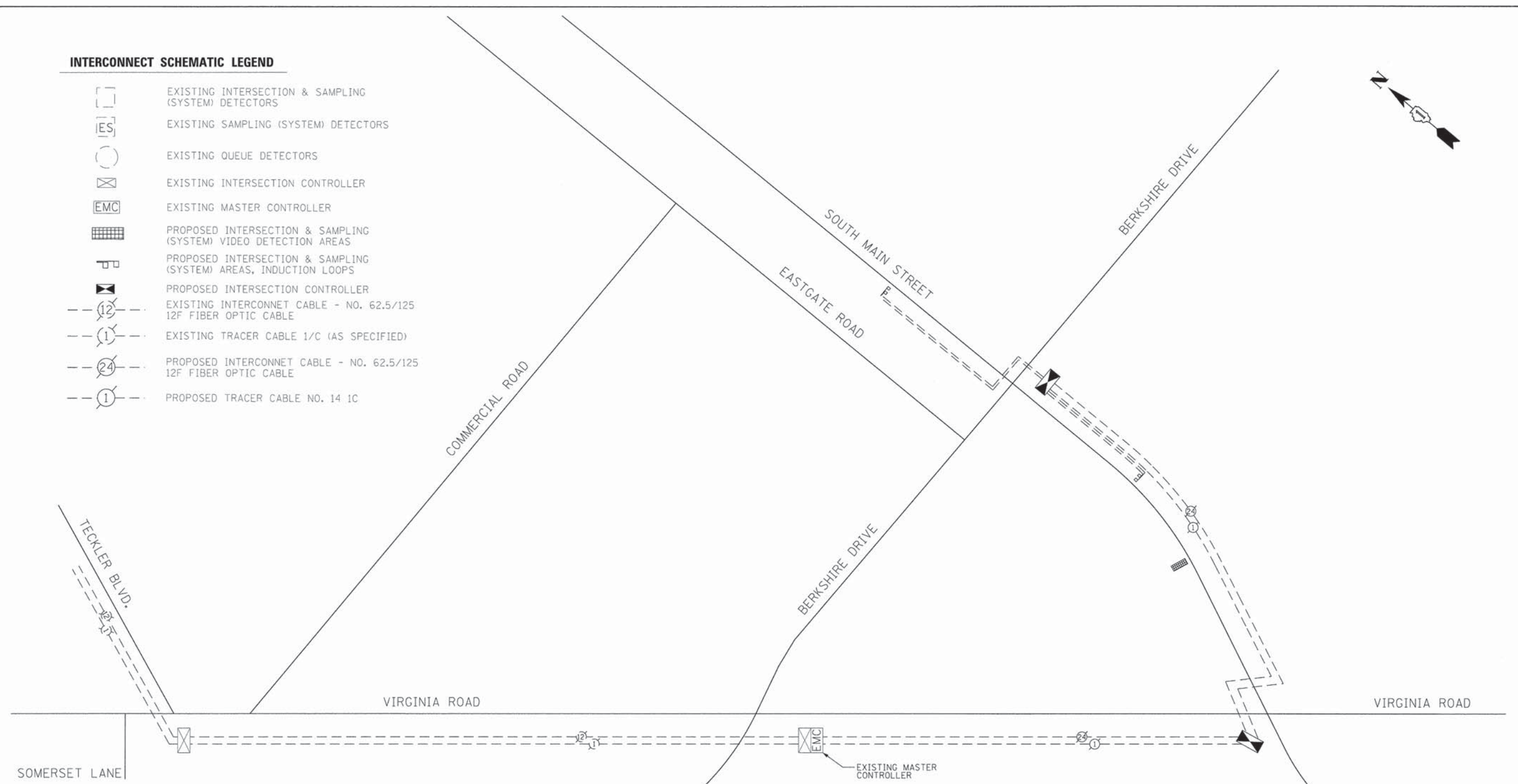
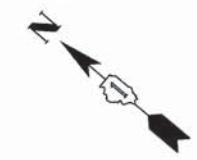


TRACER CABLE SHALL BE SPLICED IN POLES (WITH WIRE NUT) AND GROUNDED AT ENDS. TRACER WIRE SHALL BE CONNECTED TO POLE GROUND ONLY IN POLES AT END OF RUNS. IN REMAINING POLES, TRACER WIRE SHALL BE SPLICED AT UPPER HANDHOLE AND ROUTED THROUGH AND INTO LIGHTING CABINET UNGROUNDED.

FILE NAME * G:\CH1\0113\Traffic\CD\Sheets\113-TS-003	USER NAME * jelarincz	DESIGNED - RJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S. MAIN STREET INTERCONNECT PLAN	F.A.I. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 143
PLOT SCALE = 58.0000' / 1"	CHECKED - HJF	DATE - #DATE	REVISED -			SCALE: 1"=50'	SHEET NO. 3 OF 4 SHEETS	STA. 10+00.00 TO STA. 35+00.00	CONTRACT NO. 63843	
PLOT DATE = 7/17/2014	REVISED -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

INTERCONNECT SCHEMATIC LEGEND

- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- EXISTING SAMPLING (SYSTEM) DETECTORS
- EXISTING QUEUE DETECTORS
- EXISTING INTERSECTION CONTROLLER
- EXISTING MASTER CONTROLLER
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) VIDEO DETECTION AREAS
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) AREAS, INDUCTION LOOPS
- PROPOSED INTERSECTION CONTROLLER
- EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- EXISTING TRACER CABLE 1/C (AS SPECIFIED)
- PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- PROPOSED TRACER CABLE NO. 14 IC



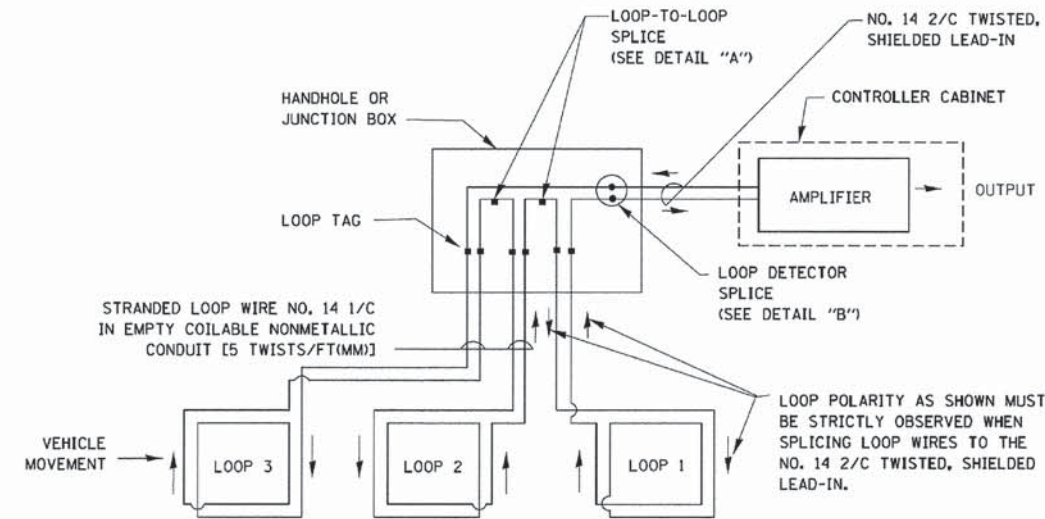
TRAFFIC SIGNAL INTERCONNECT - SUMMARY OF QUANTITIES

NO.	CODE NO.	ITEM	UNIT	TOTAL
1	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	830
2	81400100	HANDHOLE	EACH	2
3	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2
4	87100160	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F	FOOT	2100
5	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 IC	FOOT	2100
6	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	880
7	89502380	REMOVE EXISTING HANDHOLE	EACH	1

NO.	CODE NO.	ITEM	UNIT	TOTAL
8	X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1
9	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
10	Z0033047	TEMPORARY RE-OPTIMIZATION OF EXISTING TRAFFIC SIGNAL SYSTEM	L SUM	1

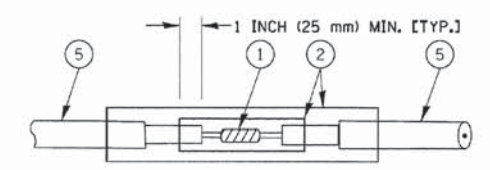
LOOP DETECTOR NOTES

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 DIVESHOLES 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.

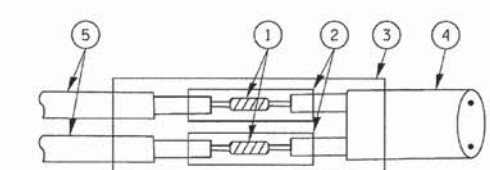


DETECTOR LOOP WIRING SCHEMATIC

- 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.

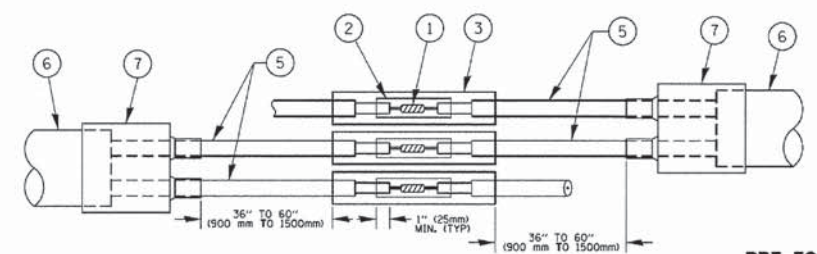


DETAIL "A"
LOOP-TO-LOOP SPLICE

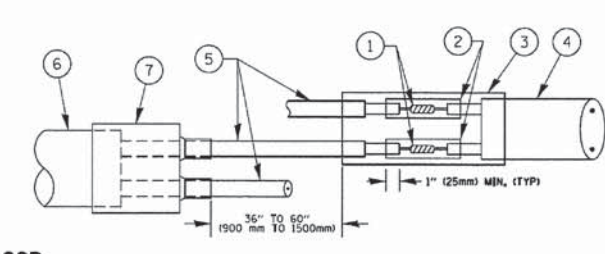


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



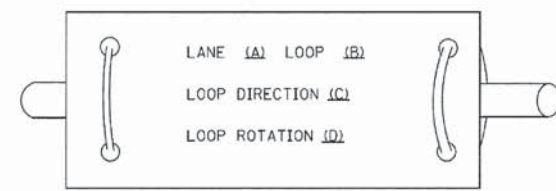
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

LOOP LEAD-IN CABLE TAG

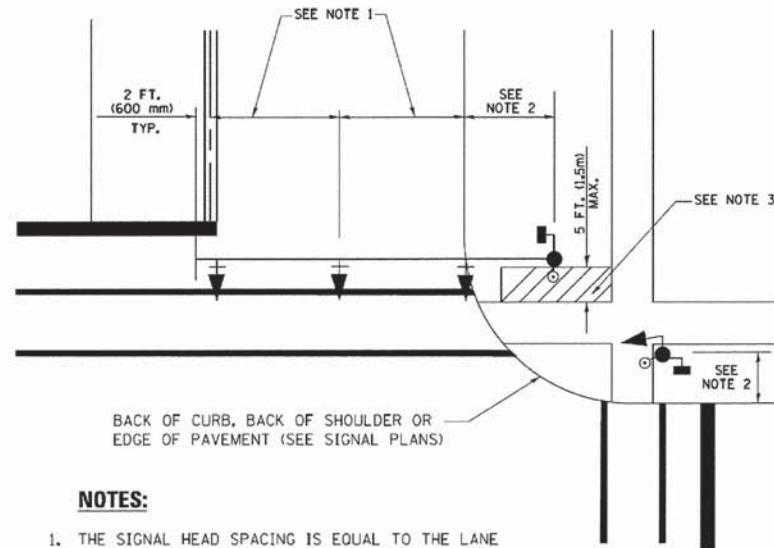


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

TranSystems
1475 EAST WOODFIELD ROAD, SUITE 600
SCHAMBERG, ILLINOIS 60173
(847) 605-9600

FILE NAME = c:\p\work\PROJECTS\DISTRICT1\DCU\02511\traffsig_legend.dgn	USER NAME = kanthaphixajbo	DESIGNED DAD	REVISED - 01/01/14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 28,800 ' / in.	CHECKED DAD	REVISED -	0124			08-00106-00-FP	McHENRY	232	145	
PLOT DATE = 7/17/2014	DATE 10/28/09	REVISED -	SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 63843		ILLINOIS FED. AID PROJECT		

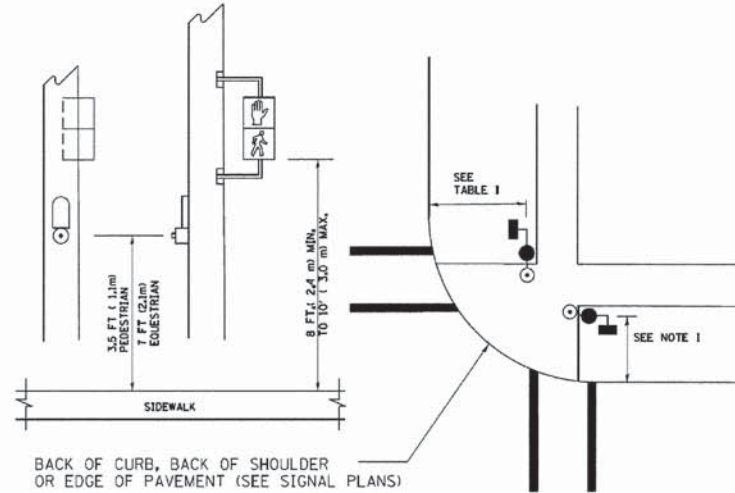
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

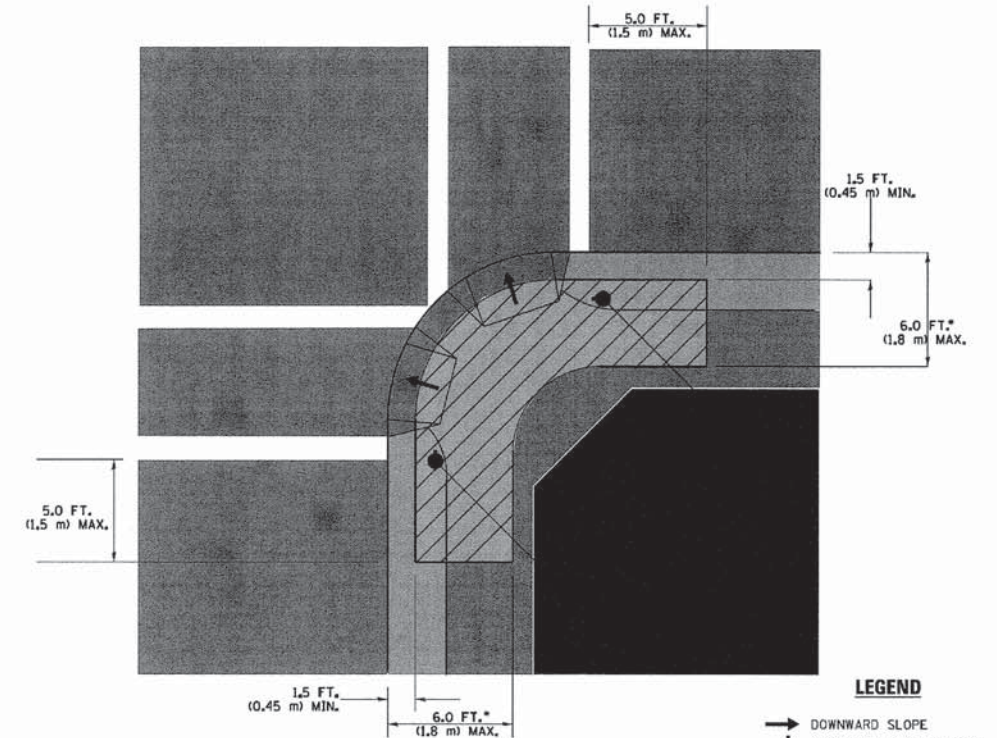
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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

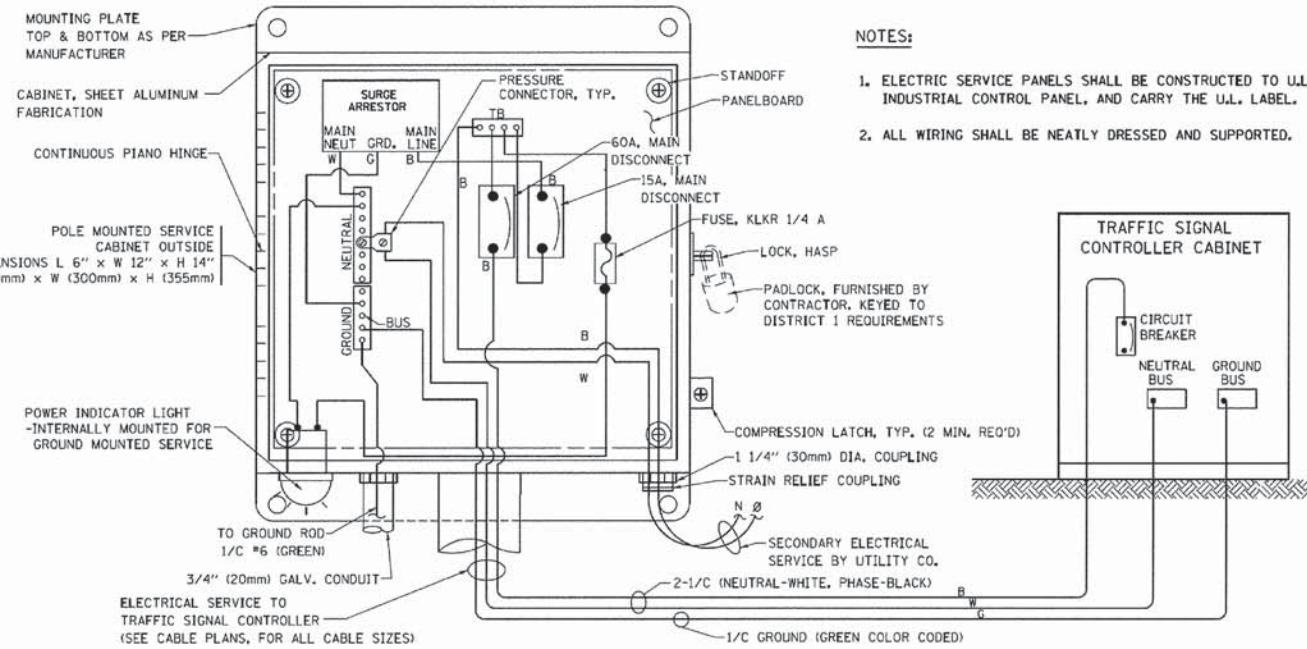
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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:

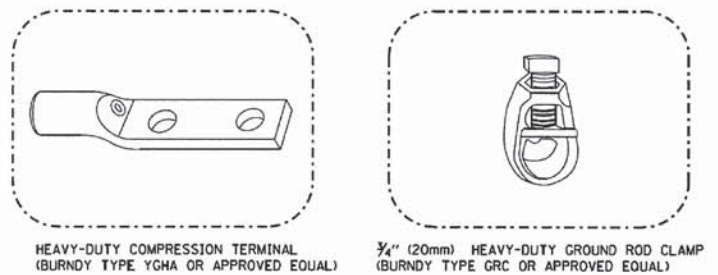
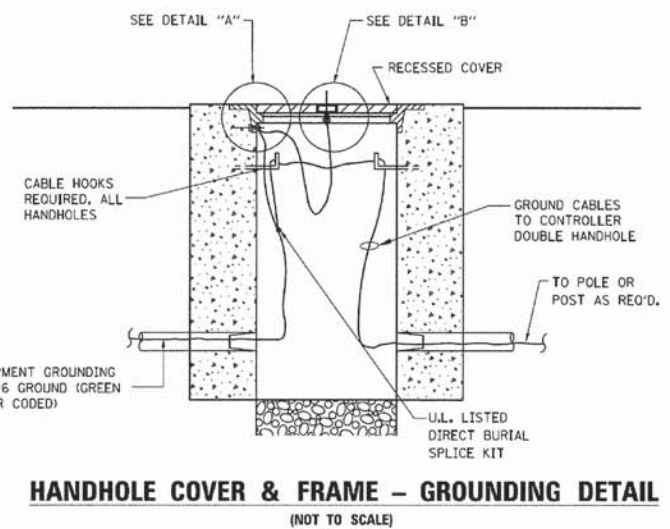
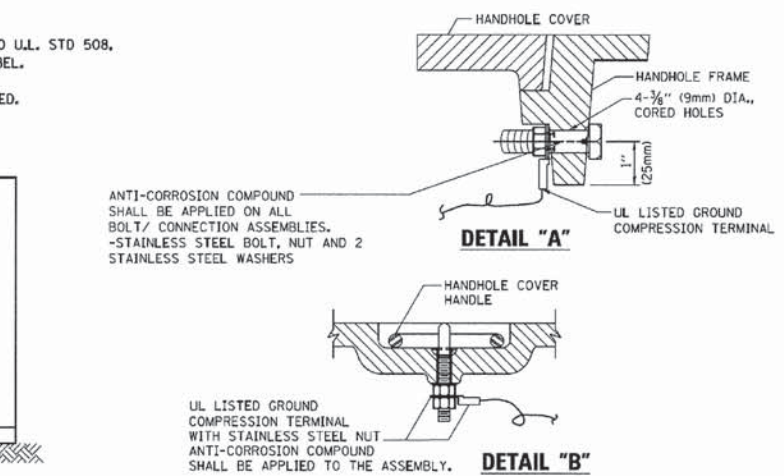
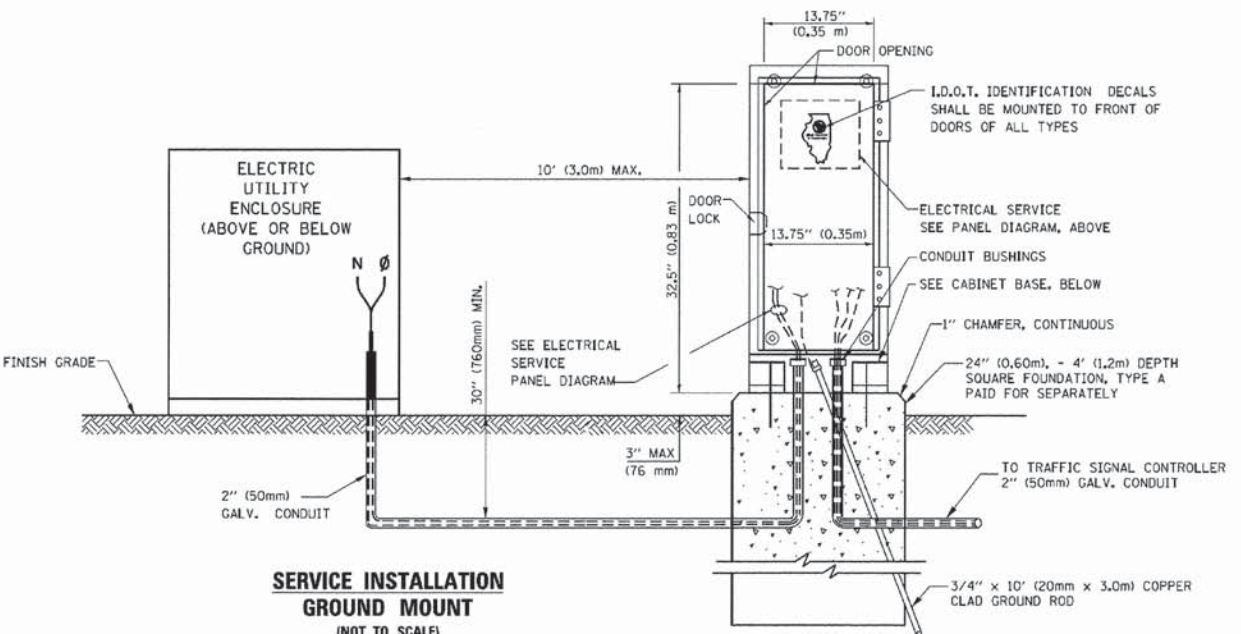
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM 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.

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(847) 605-9600

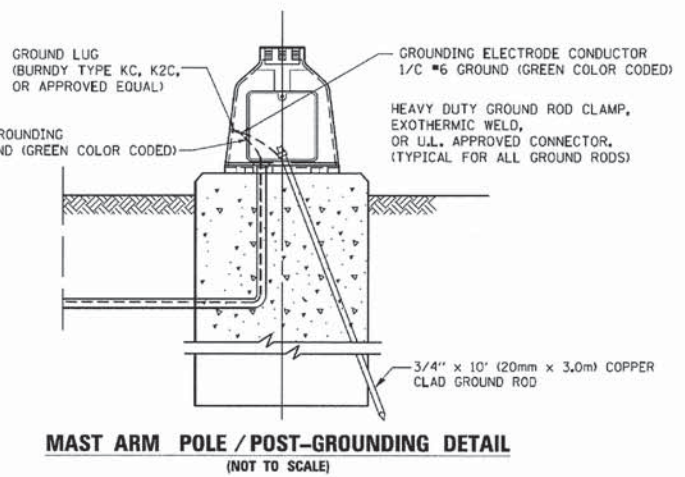
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Drawn BCK	CHECKED DAD	DATE 10/28/09	REVISED -			0124	08-00106-00-FP	MCHENRY	232	146	
PLOT SCALE = 28,000 1/4" = 1'			REVISED -			CONTRACT NO. 63843					
PLOT DATE = 7/17/2014			REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: N.T.S.		SHEET NO. 2 OF 6 SHEETS		STA. TO STA.			



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

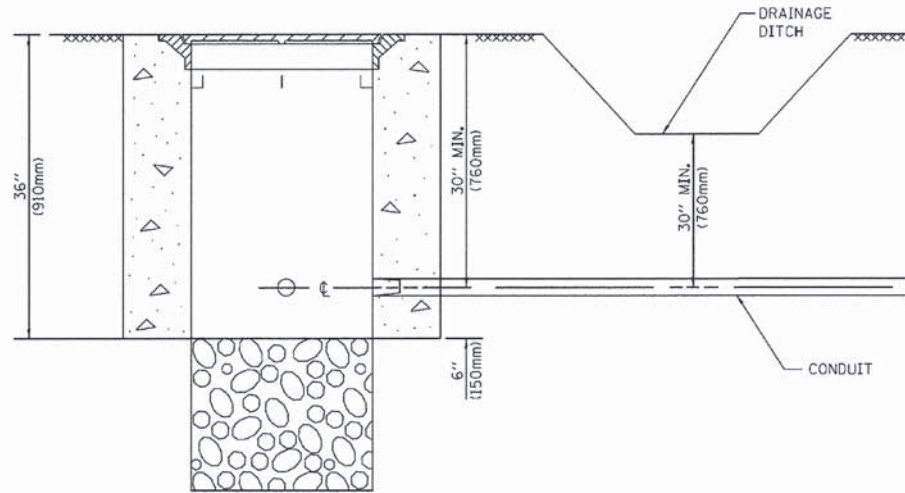


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, U.L. APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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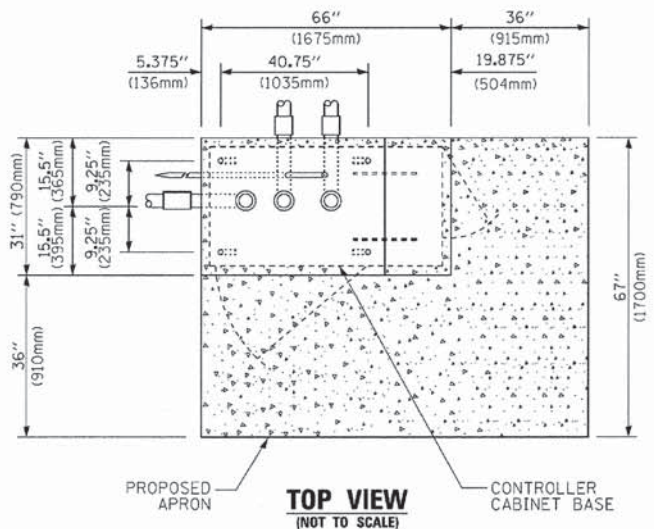
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PLOT SCALE = 28,000 1/4" = 1"	DATE 10/28/09	REVISOR	REVISED -			CONTRACT NO. 63843		ILLINOIS FED. AID PROJECT			
PLOT DATE = 7/17/2014	REVISOR	REVISED -	SCALE: N.T.S.			SHEET NO. 3 OF 6 SHEETS	STA.	TO STA.			



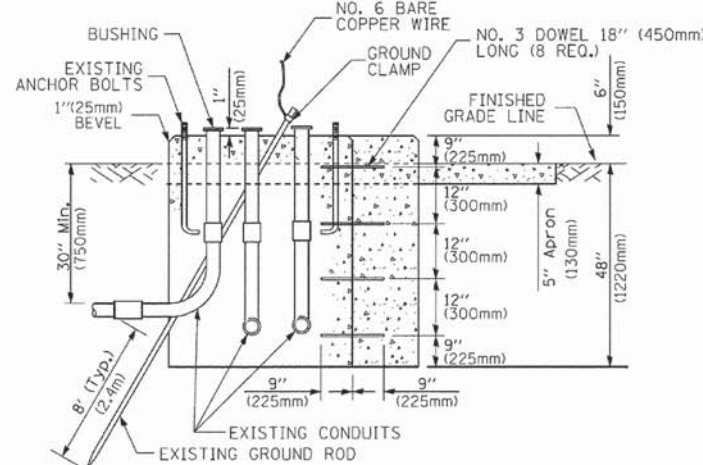
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

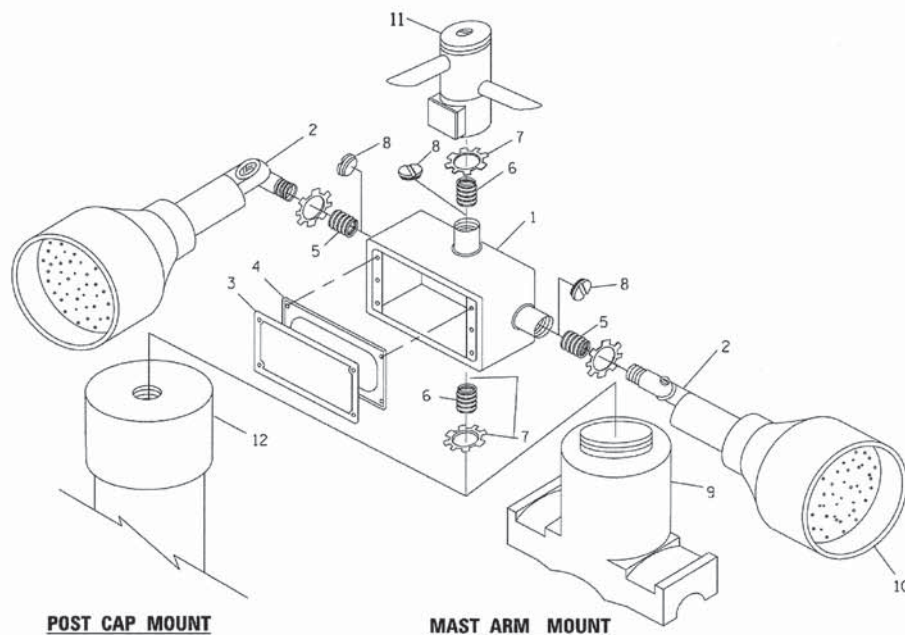


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

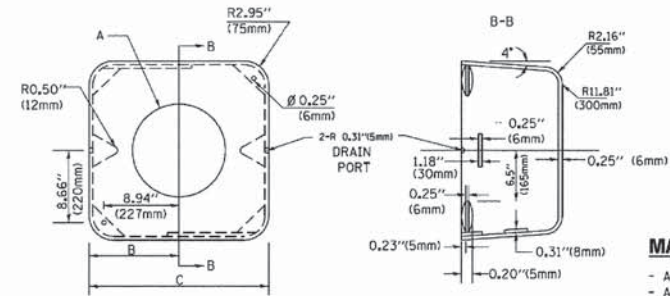
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE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



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



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)

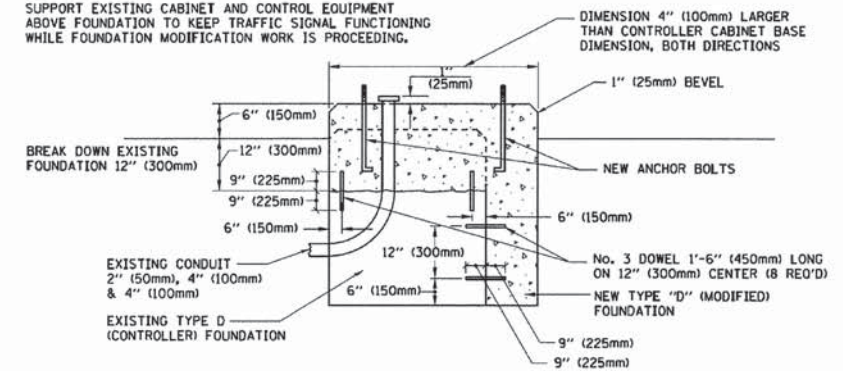
SHROUD

NOTES:

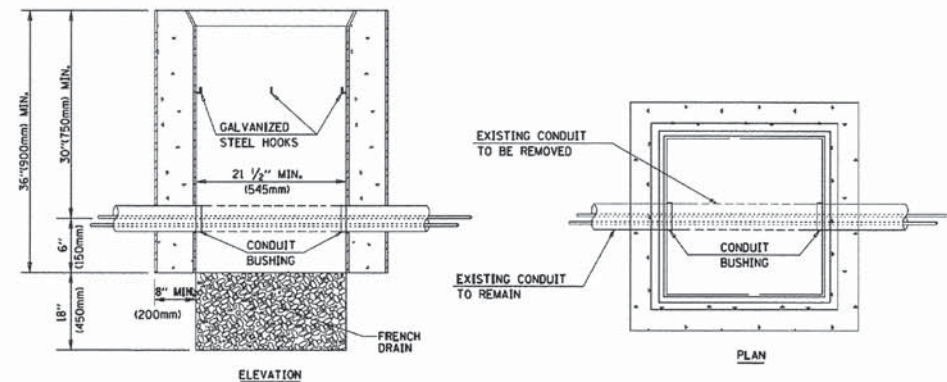
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



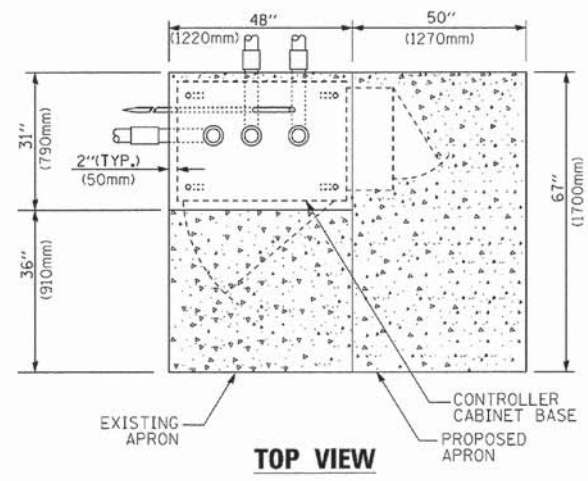
NOTES:

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.

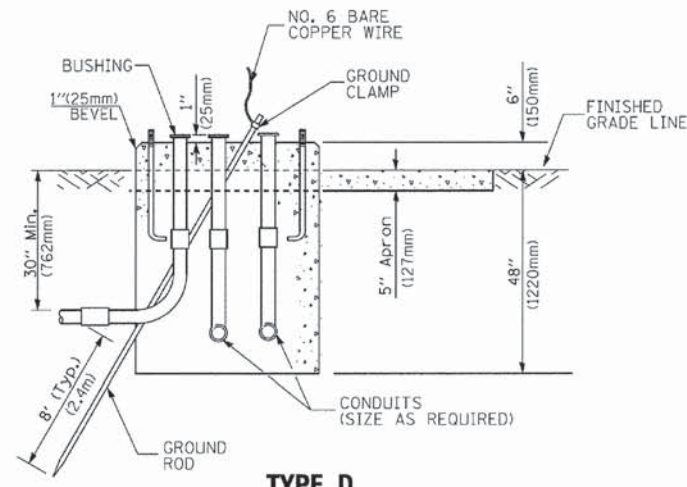
HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = jalarina	DESIGNED DAG	REVISED -
G:\01\1117\Road\Sheets\District Details\145-15-205.510.kwd		DRAWN BCK	REVISED -
	PLOT SCALE = 20.000 1" = 10'	CHECKED DAD	REVISED -
	PLOT DATE = 7/17/2014	DATE 10/28/09	REVISED -

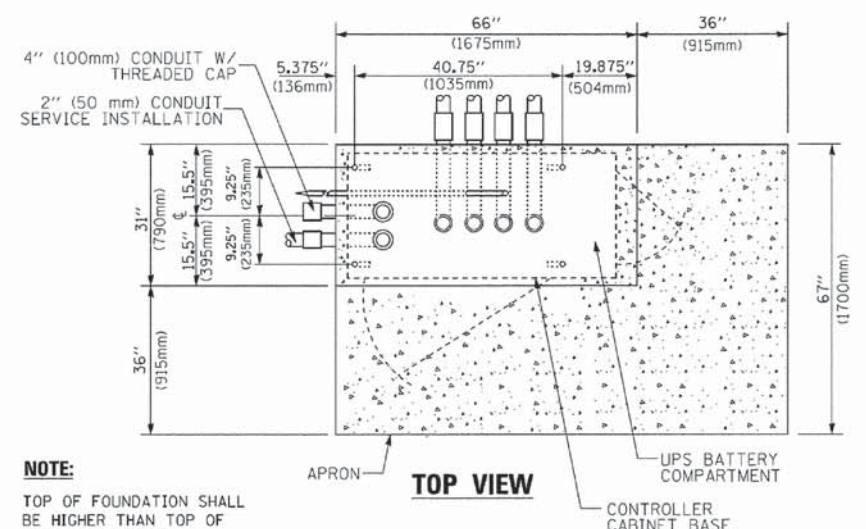
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	148
			CONTRACT NO. 63843	
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TOP VIEW

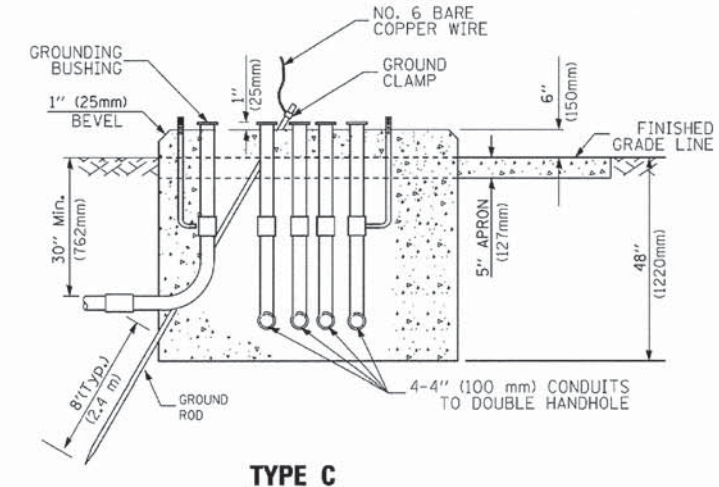


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

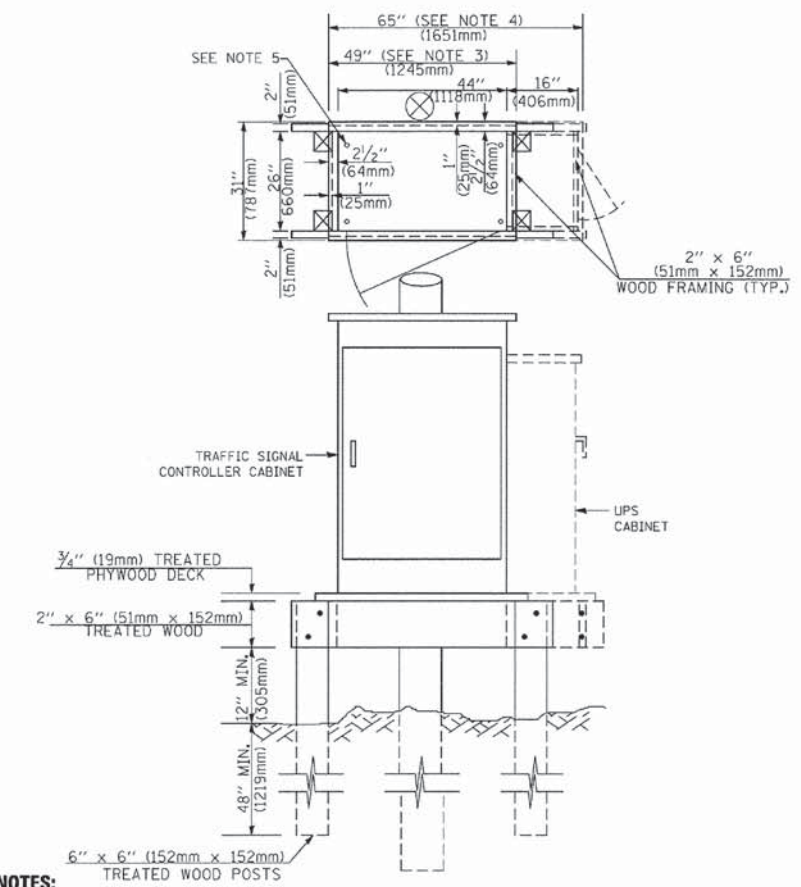


TOP VIEW

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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 56' (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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SCHAMBERG, ILLINOIS 60173
(847) 605-9600

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET			
RAILROAD CONTROL CABINET			
COMMUNICATIONS CABINET			
MASTER CONTROLLER			
MASTER MASTER CONTROLLER			
UNINTERRUPTABLE POWER SUPPLY			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT			
STEEL MAST ARM ASSEMBLY AND POLE			
ALUMINUM MAST ARM ASSEMBLY AND POLE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA			
SIGNAL POST			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM			
GUY WIRE			
SIGNAL HEAD			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)			
SIGNAL HEAD WITH BACKPLATE			
SIGNAL HEAD OPTICALLY PROGRAMMED			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)			
PEDESTRIAN SIGNAL HEAD			
PEDESTRIAN PUSHBUTTON DETECTOR			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR			
ILLUMINATED SIGN "NO LEFT TURN"			
ILLUMINATED SIGN "NO RIGHT TURN"			
DETECTOR LOOP, TYPE I			
PREFORMED DETECTOR LOOP			
MICROWAVE VEHICLE SENSOR			
VIDEO DETECTION CAMERA			
VIDEO DETECTION ZONE			
PAN, TILT, ZOOM CAMERA			
WIRELESS DETECTOR SENSOR			
WIRELESS ACCESS POINT			

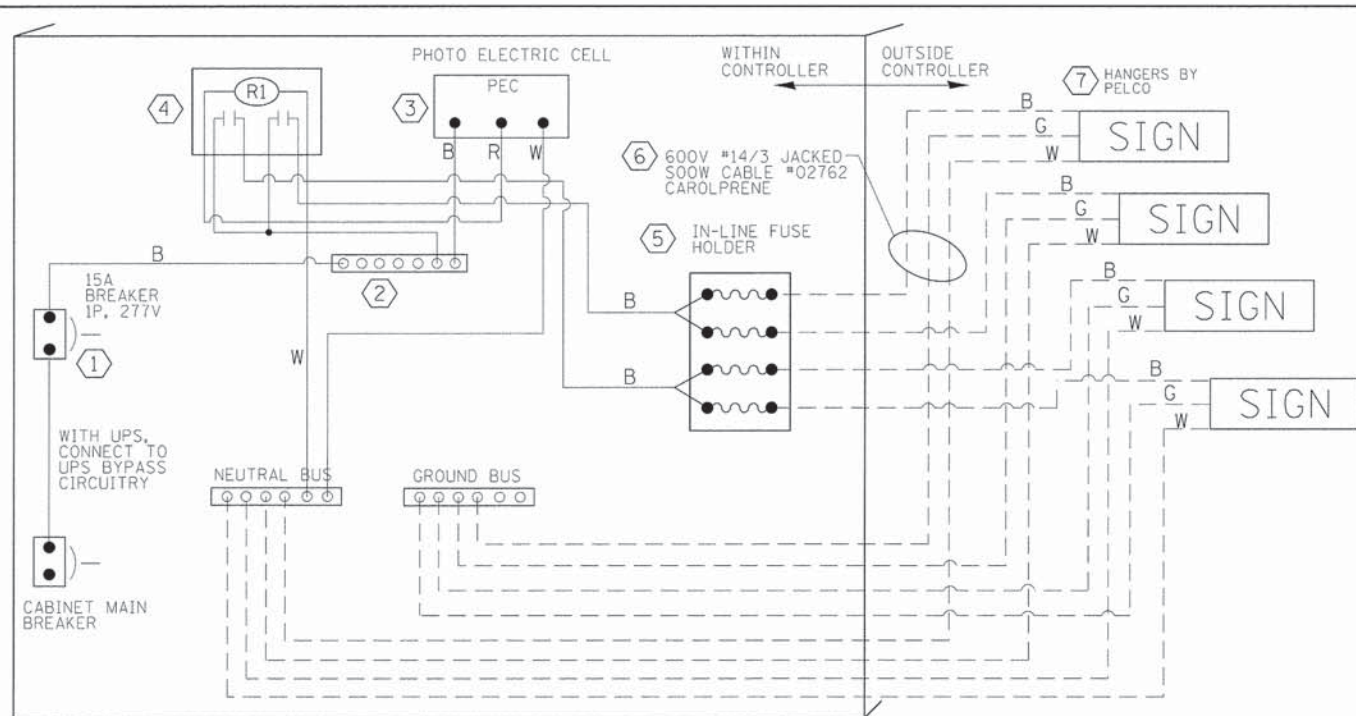
ITEM	REMOVAL	EXISTING	PROPOSED
EMERGENCY VEHICLE LIGHT DETECTOR			
CONFIRMATION BEACON			
HANDHOLE			
HEAVY DUTY HANDHOLE			
DOUBLE HANDHOLE			
JUNCTION BOX			
UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)			
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			
COMMON TRENCH			
COILABLE NONMETALLIC CONDUIT (EMPTY)			
SYSTEM ITEM			
INTERSECTION ITEM			
REMOVE ITEM			
RELOCATE ITEM			
ABANDON ITEM			
12" (300mm) TRAFFIC SIGNAL SECTION			
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE			
SIGNAL FACE			
SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD			
"RB" INDICATES REFLECTIVE BACKPLATE			
12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL			
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID			
PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER			
RADIO INTERCONNECT			
RADIO REPEATER			
DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED			
GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)			

ITEM	REMOVAL	EXISTING	PROPOSED
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
COAXIAL CABLE			
VENDOR CABLE FOR CAMERA			
COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
FIBER OPTIC CABLE NO. 62.5/125, MM12F			
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST AND FOUNDATION TO BE REMOVED			
INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SAMPLING (SYSTEM) DETECTOR			
QUEUE DETECTOR			
PREFORMED QUEUE DETECTOR			
PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PREFORMED SAMPLING (SYSTEM) DETECTOR			

RAILROAD SYMBOLS

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

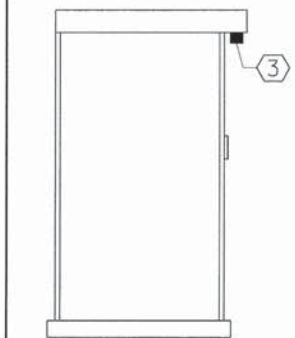
TranSystems
 1475 EAST WOODFIELD ROAD, SUITE 600
 SCHAMBOURG, ILLINOIS 60173
 (847) 605-9600



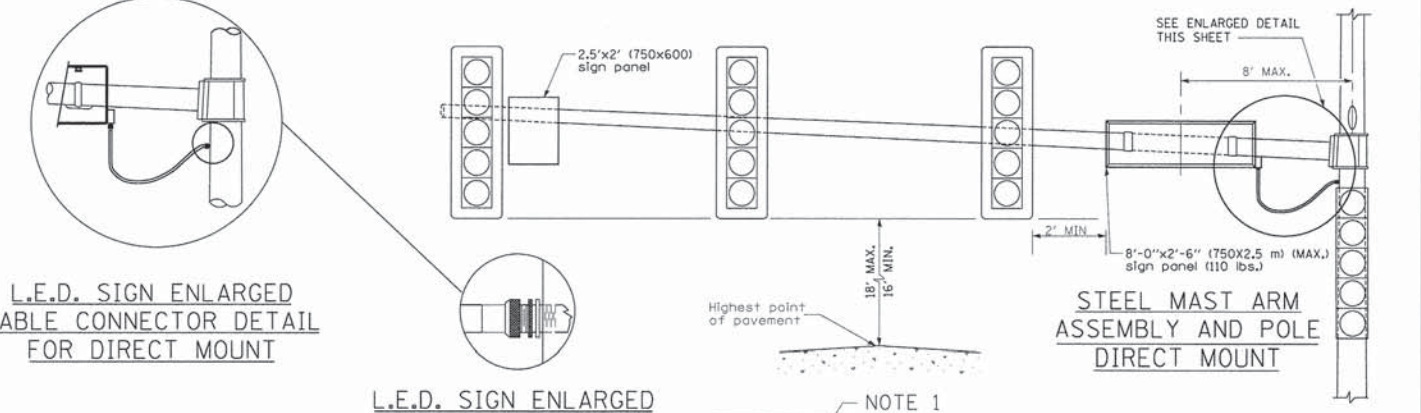
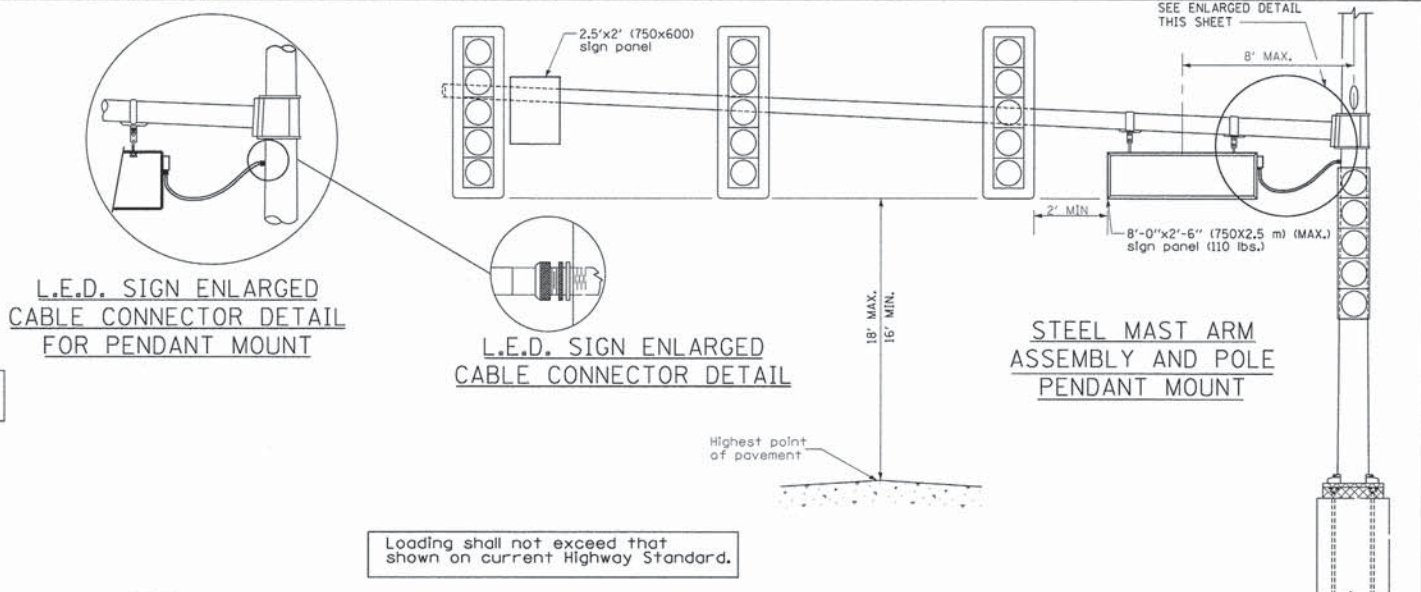
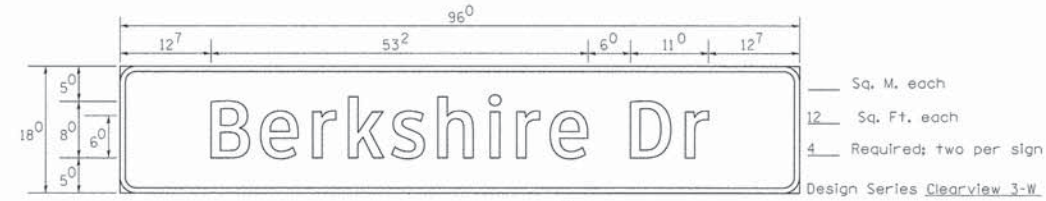
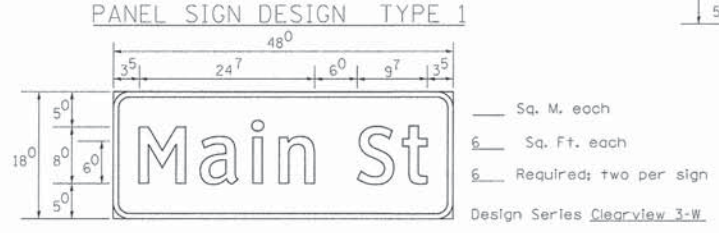
LED SIGN WIRING DETAIL

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere of 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	Pendant (SE-5015) Direct mount (AB-0104-L-SP) Additional sign stiffeners may be required for direct mounted signs.	S.S. HARDWARE

BILL OF MATERIALS



CONTROLLER CABINET SIDE VIEW

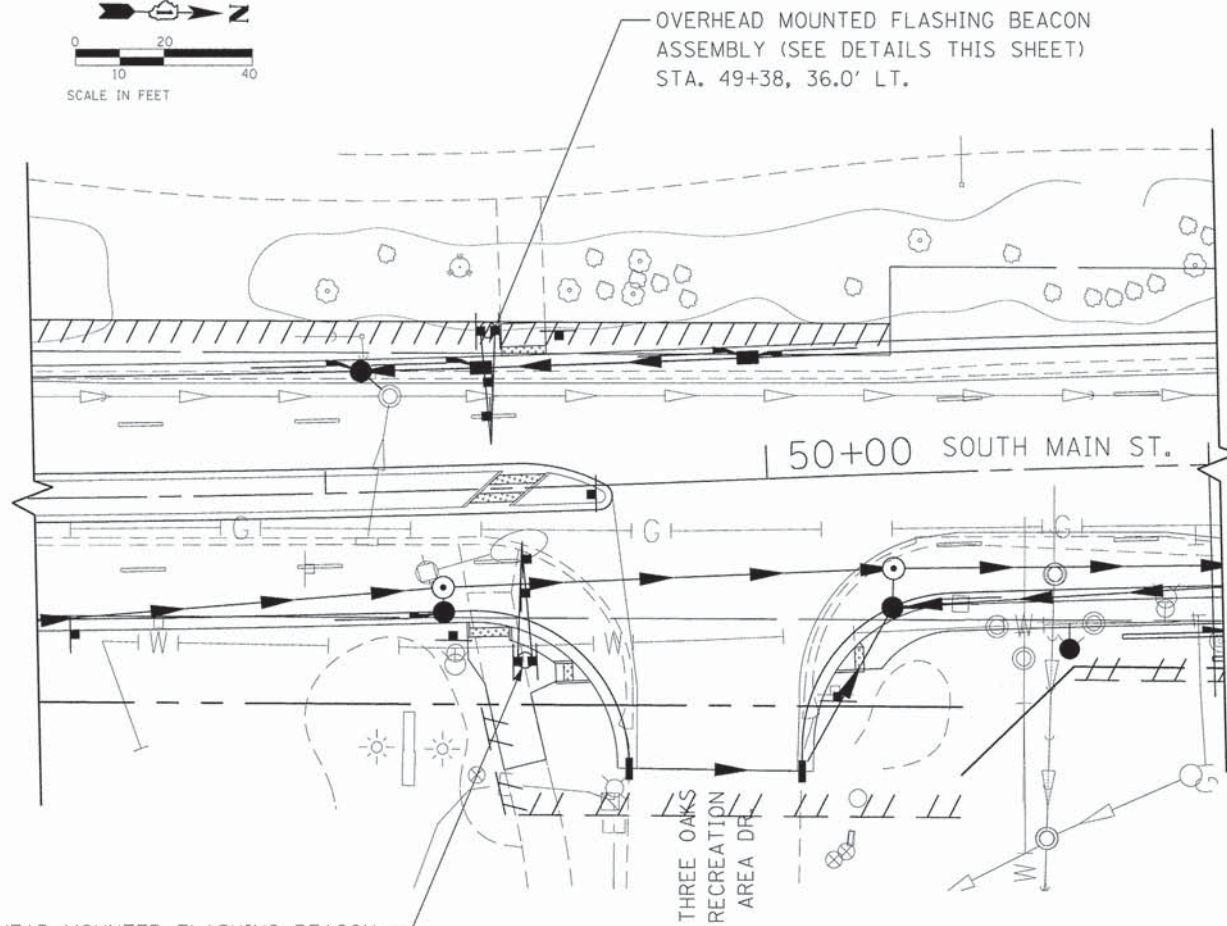
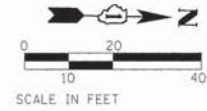


LED ILLUMINATED SIGN PANEL
8'0" x 2'6" (750 mm x 2.5 mm)(MAX.)
C or D FONT

- NOTES:
- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
 - CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
 - SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
 - ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
 - ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
 - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

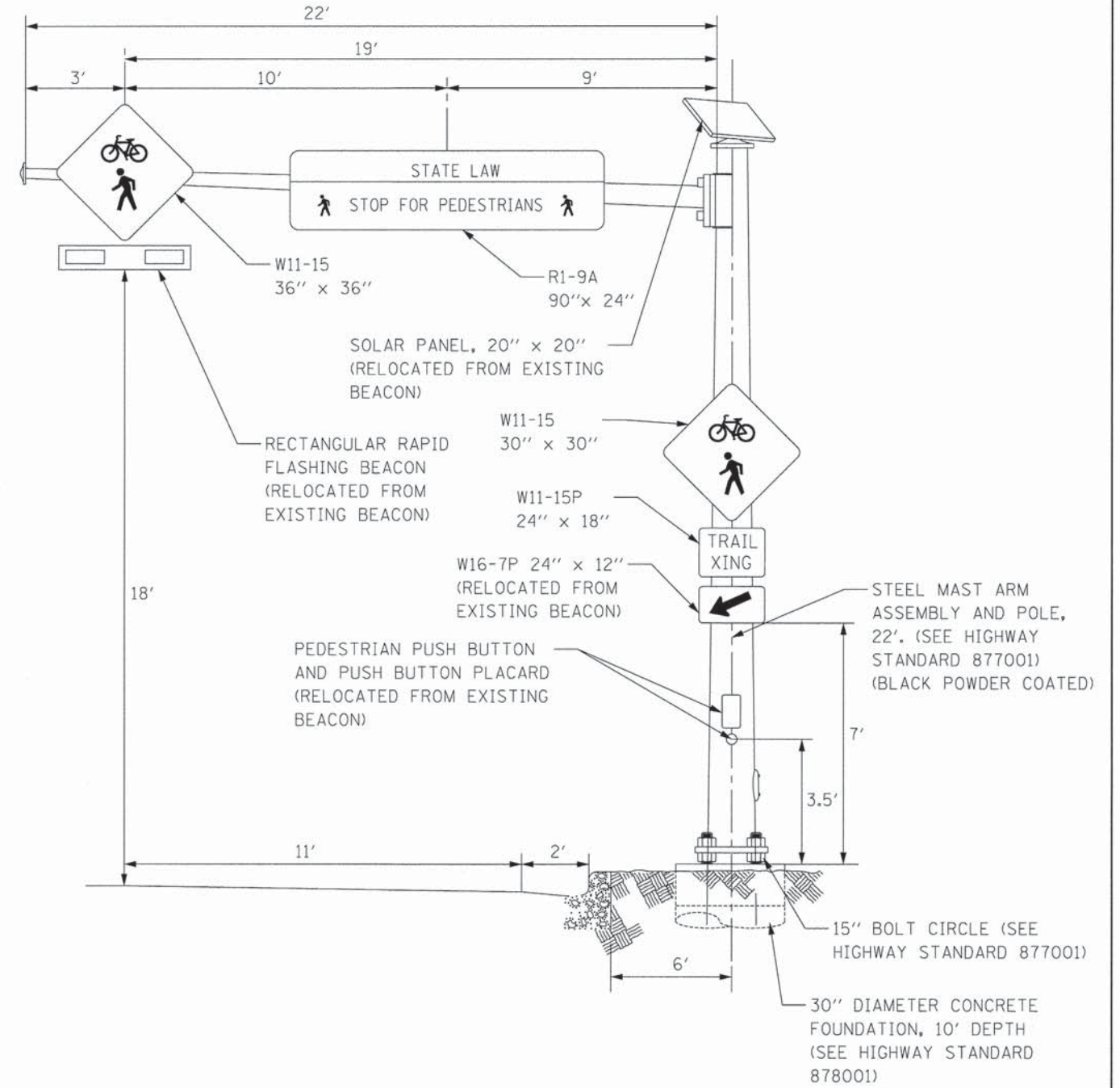
Loading shall not exceed that shown on current Highway Standard.

NOTE 1



OVERHEAD MOUNTED FLASHING BEACON ASSEMBLY (SEE DETAILS THIS SHEET) STA. 49+44, 39.0' RT.

OVERHEAD MOUNTED FLASHING BEACON ASSEMBLY (SEE DETAILS THIS SHEET) STA. 49+38, 36.0' LT.



RADIO ACTIVATED SOLAR ADVANCE FLASHING BEACON SYSTEM (COMPLETE) DETAILS

FILE NAME = G:\CH11\0113\Road\Sheets\113PED001.dgn	USER NAME = jelorincz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET FLASHING BEACON PLAN			F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY MCHENRY	TOTAL SHEETS 232	SHEET NO. 152
	PLOT SCALE = 28,0000' / in.	CHECKED -	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 63843		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 7/17/2014	DATE -	REVISED -									

LIGHTING SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	672
UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	3559
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	100
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	18
LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM	EACH	18
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6"	EACH	18
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	18
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	4
LIGHTING CONTROLLER, SPECIAL	EACH	1
REMOVAL OF POLE FOUNDATION	EACH	1

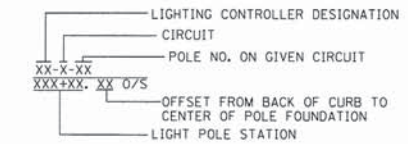
GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
- PROPOSED ROADWAY LIGHT POLES SHALL HAVE A SET-BACK OF 2.4 FEET (MIN) FROM THE BACK OF CURB TO THE CENTER OF POLE, UNLESS OTHERWISE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTE THE REQUIREMENTS FOR THE ELECTRICAL SERVICE FOR THE PROPOSED ROADWAY LIGHTING. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRIC UTILITY COMPANY.
- PARALLEL UNIT DUCT RUNS SHOWN ON THE PLANS SHALL BE PLACED IN A COMMON TRENCH.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- CONDUIT LENGTHS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL DISTANCE REQUIREMENTS IN THE FIELD.
- ALL UNIT DUCT RUNS SHALL INCLUDE A TRACER WIRE FOR LOCATING.
- HANDHOLE COVER ON LIGHT POLES SHALL HAVE STEEL/STAINLESS SCREWS. NO NYLON SCREWS ALLOWED.
- THERE IS ONE LIGHT POLE REMOVAL ITEM AT THE BERKSHIRE INTERSECT. THIS IS NOT SHOWN ON THE PLAN BUT IS ACCOUNTED FOR IN THE QUANTITY.

LEGEND

- PROPOSED ROADWAY LIGHTING UNIT
POLE/ARM: ALUMINUM, 40' M.H., 15' TRUSS MAST ARM
LUMINAIRE: 250W HPS, CUTOFF, FLAT GLASS
FOUNDATION: METAL HELIX WITH BREAKAWAY TRANSFORMER BASE
- PROPOSED COMBINATION-MOUNTED LIGHTING UNIT
SEE TRAFFIC SIGNAL PLANS
- UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE, GRAY TRACER WIRE, 1/C NO. 14 STRANDED
- PROPOSED SERVICE INSTALLATION, 120/240V, 1Ø, 3 WIRE
- EXISTING LIGHTING CONTROLLER CABINET
- PROPOSED MCHENRY COUNTY CONTROLLER, SINGLE DOOR CONSOLE TYPE
- UNDERGROUND CONDUIT, 2 1/2" DIA. GALVANIZED STEEL (UNLESS OTHERWISE NOTED)

CIRCUIT DESIGNATION SCHEME

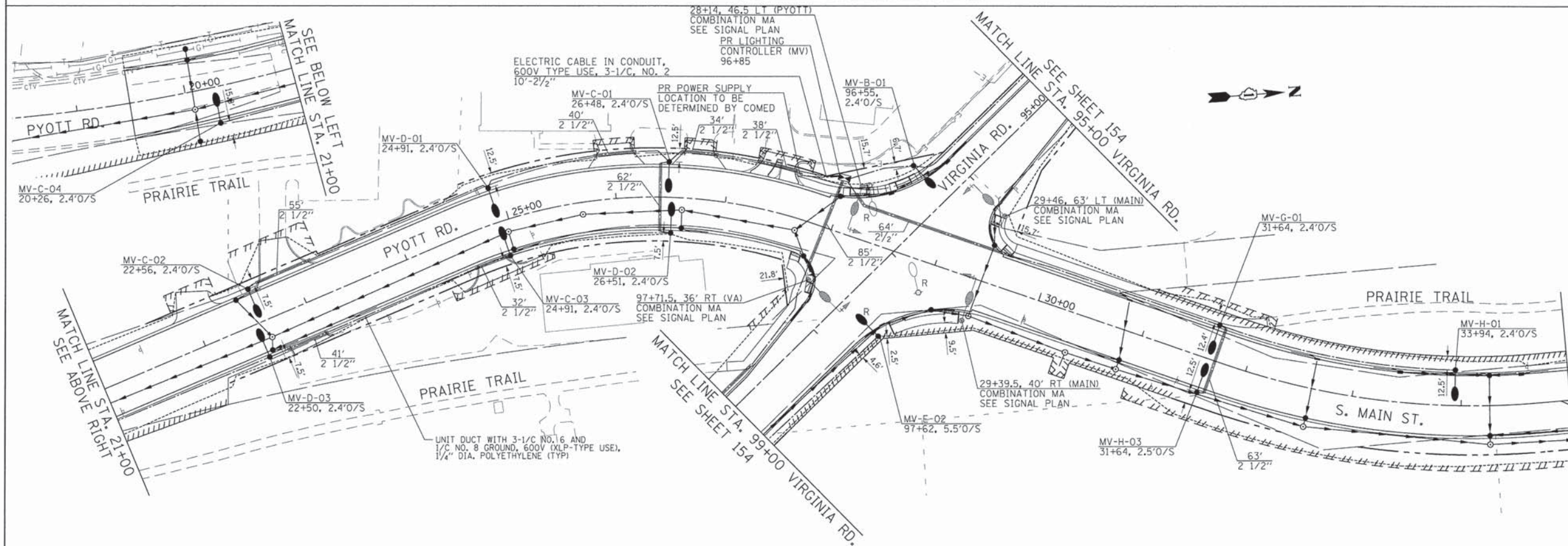


COMBINATION-MOUNTED LUMINAIRES

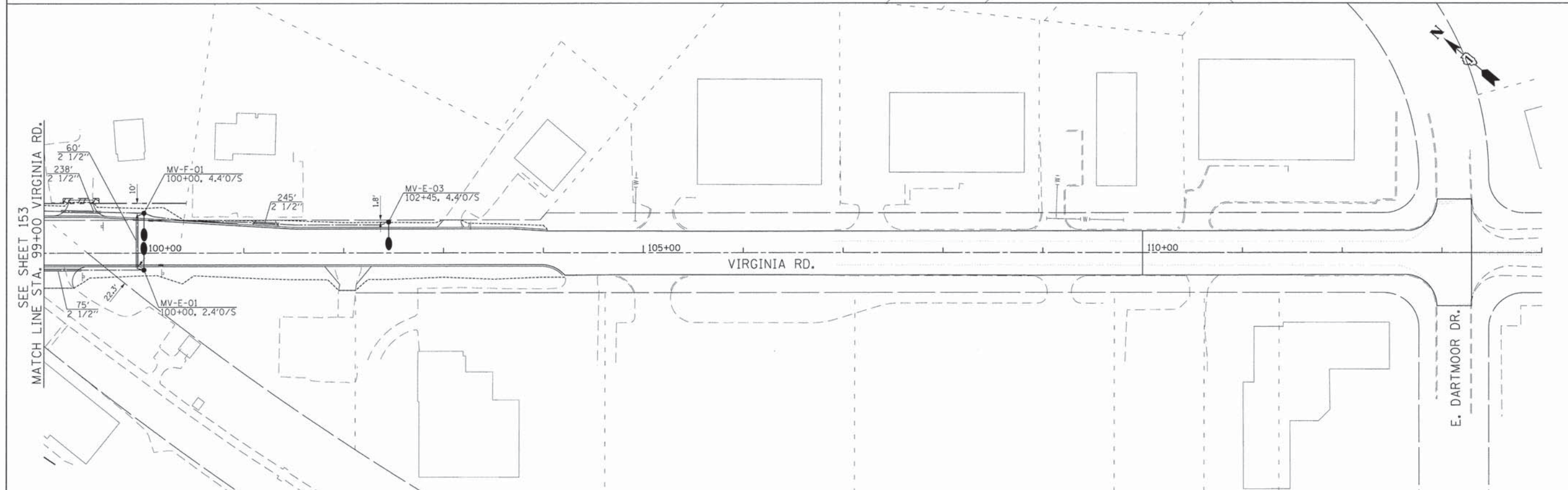
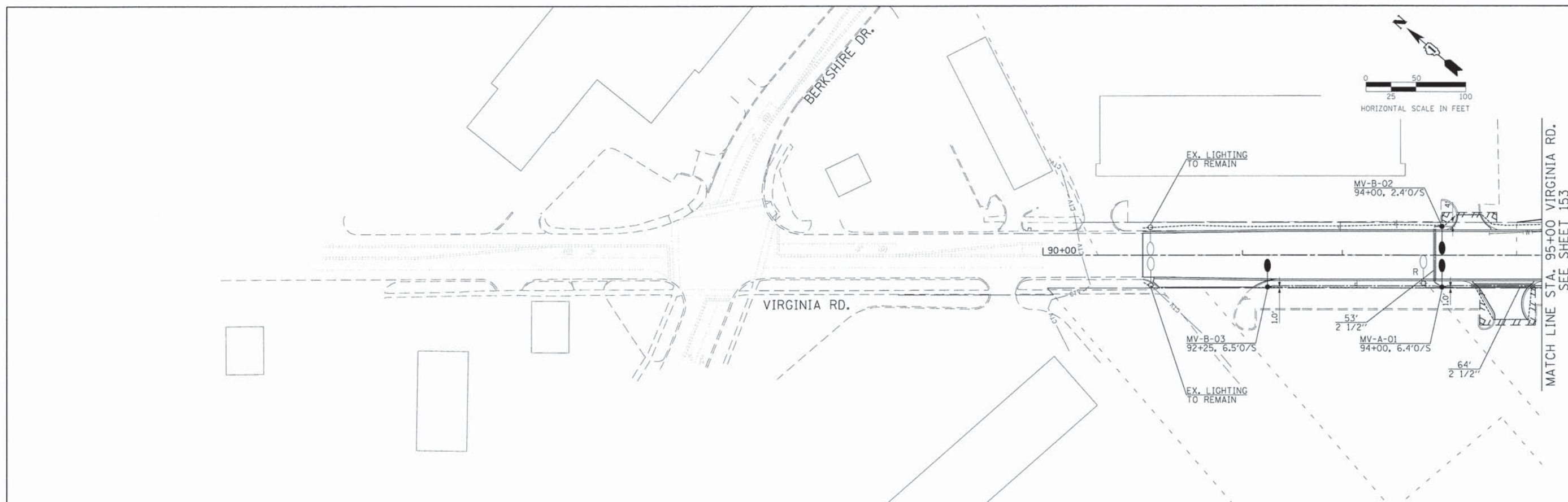
- FOUR (4) LUMINAIRES ARE ON COMBINATION-TYPE MAST ARM SIGNAL SUPPORTS. MOUNTING HEIGHT IS 40 FEET AND BRACKET ARM LENGTH IS 20 FEET. SEE TRAFFIC SIGNAL PLANS FOR DETAILS.

TRACER CABLE #14 IC SHALL BE INCLUDED IN THE UNIT DUCT AT NO ADDITIONAL COST. TRACER CABLE SHALL BE SPLICED IN POLES (WITH WIRE NUT) AND GROUNDED AT ENDS. TRACER WIRE SHALL BE CONNECTED TO POLE GROUND ONLY IN POLES AT END OF RUNS. IN REMAINING POLES, TRACER WIRE SHALL BE SPLICED AT UPPER HANDHOLE AND ROUTED THROUGH AND INTO LIGHTING CABINET UNGROUNDED.

ALL UNIT DUCT FOR LIGHTING RUNS SHALL CONTAIN AN INSULATED, ORANGE TRACER WIRE 1/C NO. 14, IN DUCT STRANDED. THE COST OF THE TRACER WIRE SHALL BE INCLUDED IN THE COST OF THE PAY ITEM UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE.



FILE NAME = G:\CH11\8113\Traffic\CO\Sheets\113-RL-001	USER NAME = jelorinoz	DESIGNED - RJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET ROADWAY LIGHTING PLANS	F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 153	
PLOT SCALE = 50.0000' / 1" =	DRAWN - RJB	CHECKED - HJF	REVISED -			SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS	STA. 19+00.00 TO STA. 35+00.00	CONTRACT NO. 63843		
PLOT DATE = 7/17/2014	DATE - #DATE	REVISED -				ILLINOIS FED. AID PROJ. CT					



FILE NAME :	USER NAME :
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PLOT DATE = 7/17/2014	

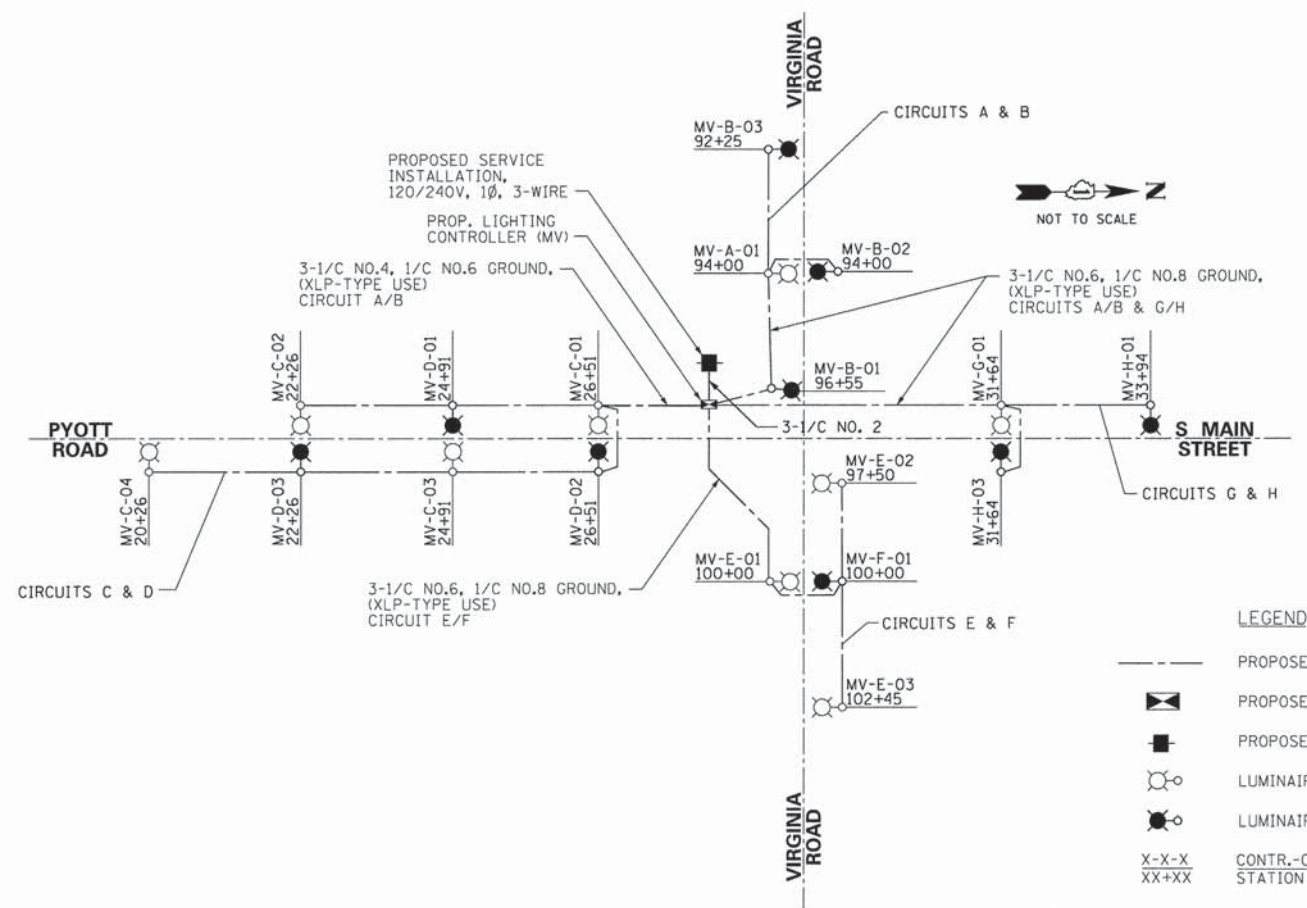
DESIGNED - RJB	REVISED -
DRAWN - RJB	REVISED -
CHECKED - HJF	REVISED -
DATE - **DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH MAIN STREET
ROADWAY LIGHTING PLANS**

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 90+00.00 TO STA. 114+00.00

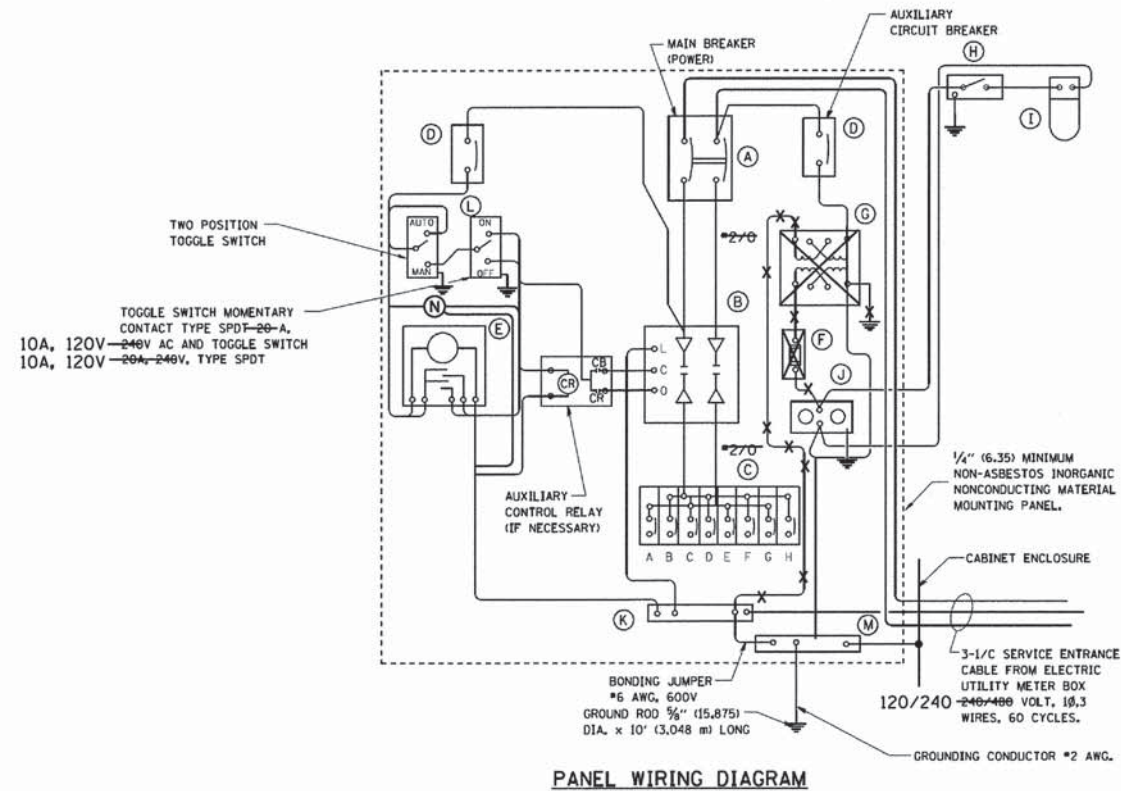
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	154
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



- LEGEND**
- PROPOSED CIRCUIT CABLES (TYPE AND SIZE AS INDICATED)
 - ⏏ PROPOSED CONTROLLER, Ø PHASE, 120/240V
 - PROPOSED SERVICE CONNECTION, Ø PHASE, 120/240V
 - LUMINAIRE, 250W, 120V ON RED CIRCUIT
 - LUMINAIRE, 250W, 120V ON BLACK CIRCUIT
 - X-X-X
XX+XX CONTR.-CIRCUIT-POLE
STATION

LOAD TABULATION

PROPOSED CONTROLLER "MV" PYOTT RD /VIRGINIA RD			
CIRCUIT	NO. OF LIGHTS	AMPS	WATTAGE
A	1	2.29	250
B	3	6.88	750
C	4	9.17	1000
D	3	6.88	750
E	3	6.88	750
F	1	2.29	250
G	1	2.29	250
H	2	4.58	500
TOTAL	18	41.25	4,500



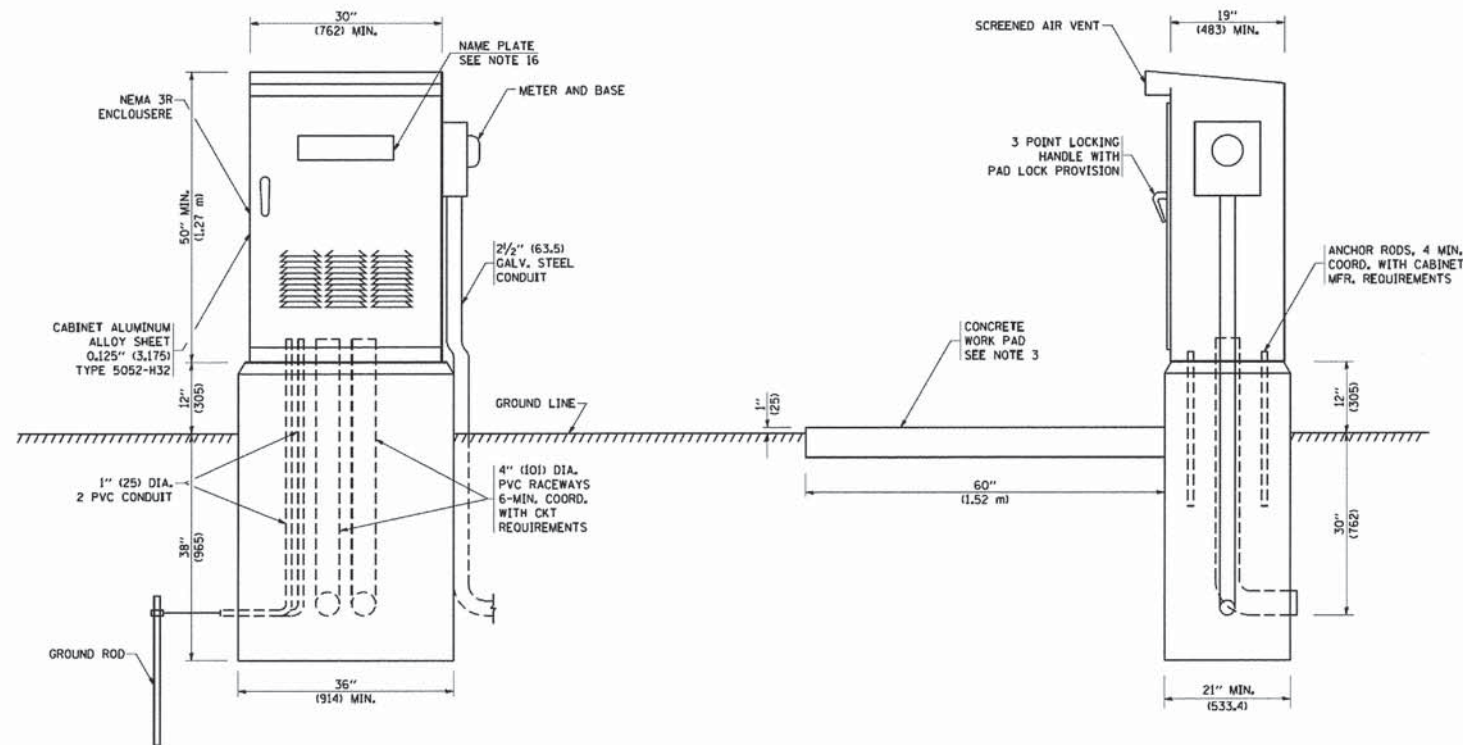
PANEL WIRING DIAGRAM

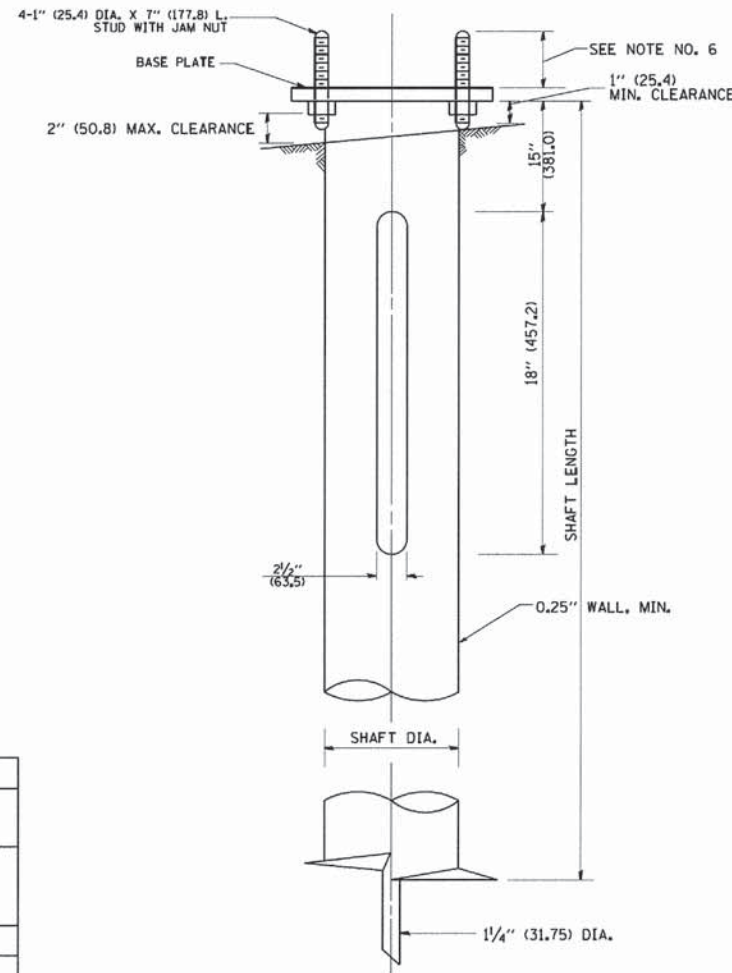
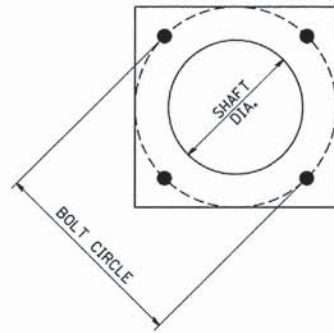
PANEL EQUIPMENT

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, 120/240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT, 120 V
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 2050 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V, 120 V 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V, 120 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
N	1	EXTERNALLY-MOUNTED PHOTOCCELL OPERATED ON 120V

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" (1828.8 mm) 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. HAVE A NATURAL FINISH, NOT PAINTED.
- 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. READ "MCHENRY COUNTY DIVISION OF TRANSPORTATION.
- A CORBIN LOCK SHALL BE FURNISHED FOR THE LIGHTING CABINET. THE LOCK SHALL BE KEYED TO MCHENRY COUNTY REQUIREMENTS.





HELIX FOUNDATION SIZE

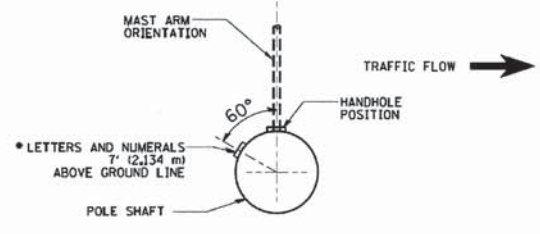
POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

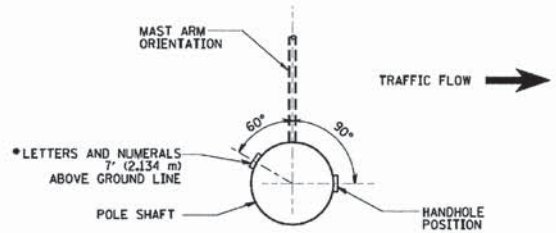
ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES:

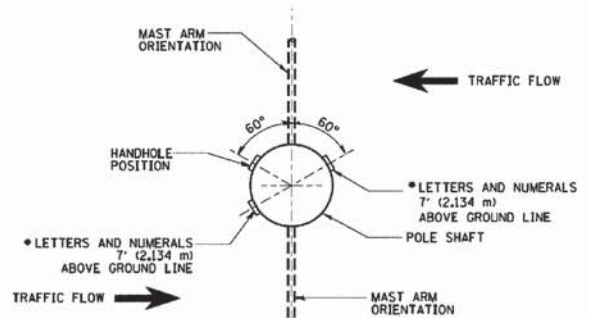
- ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
- THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.



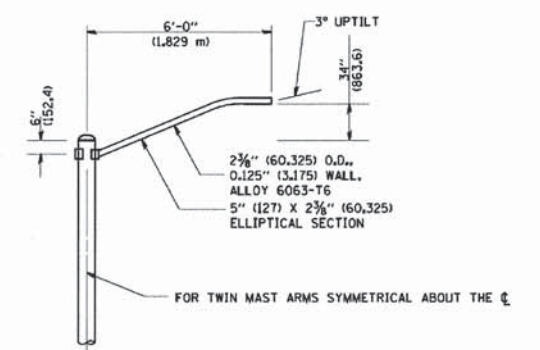
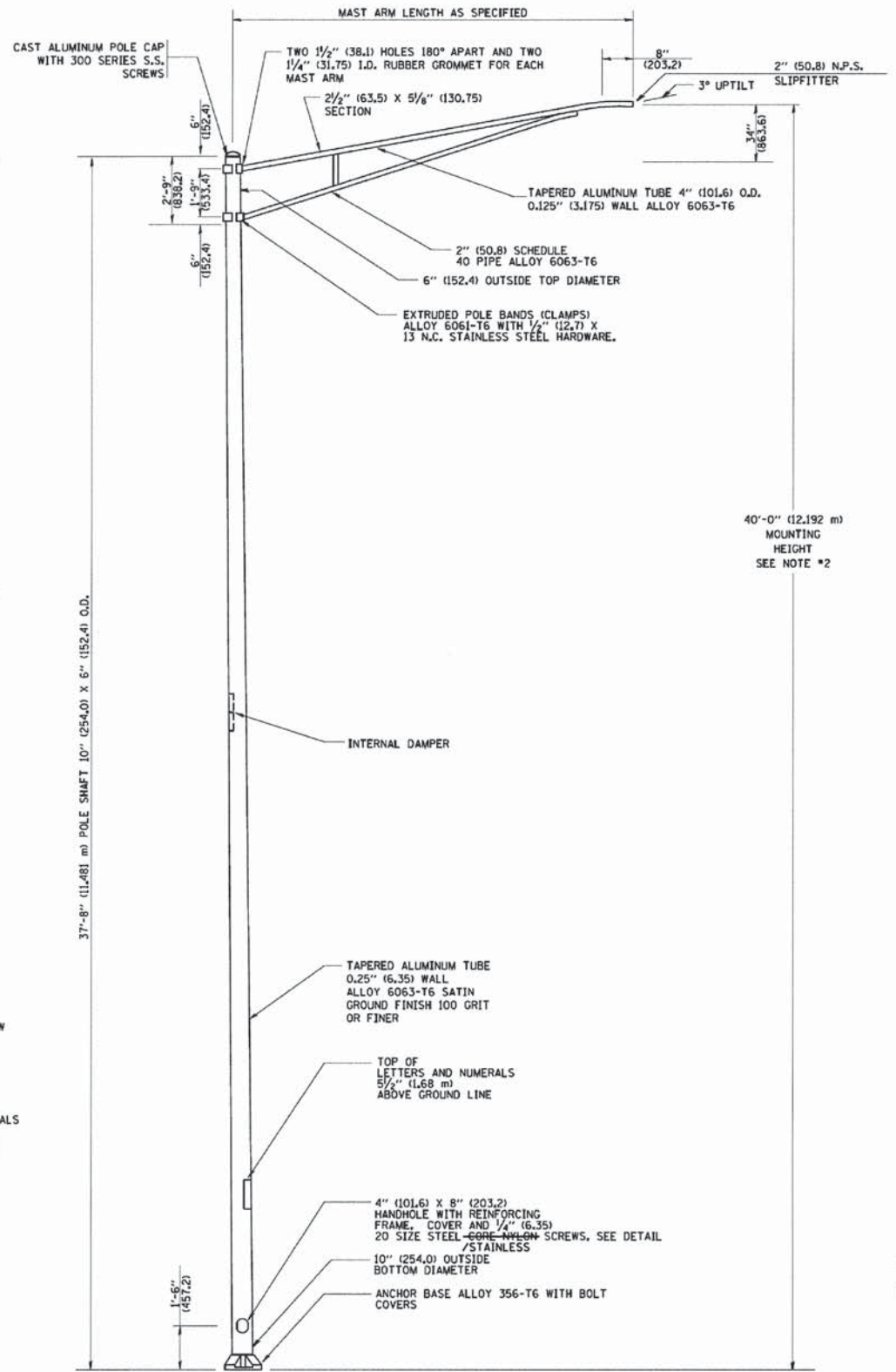
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

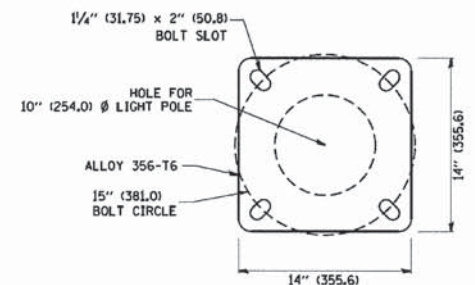


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

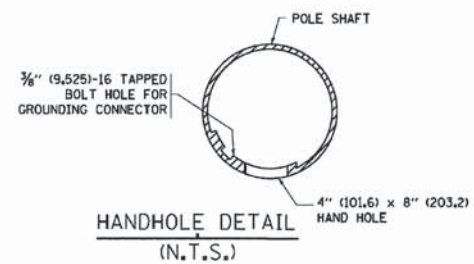


6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)

- 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 LUMINAIRE.
 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.

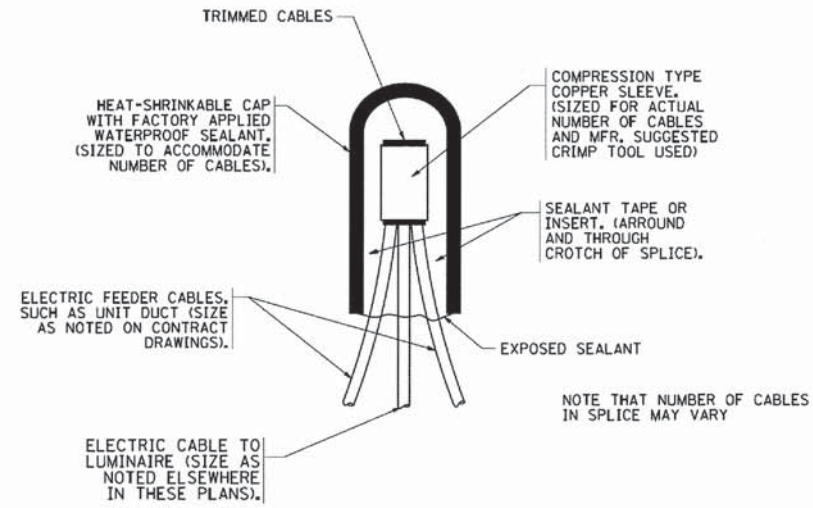


LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE



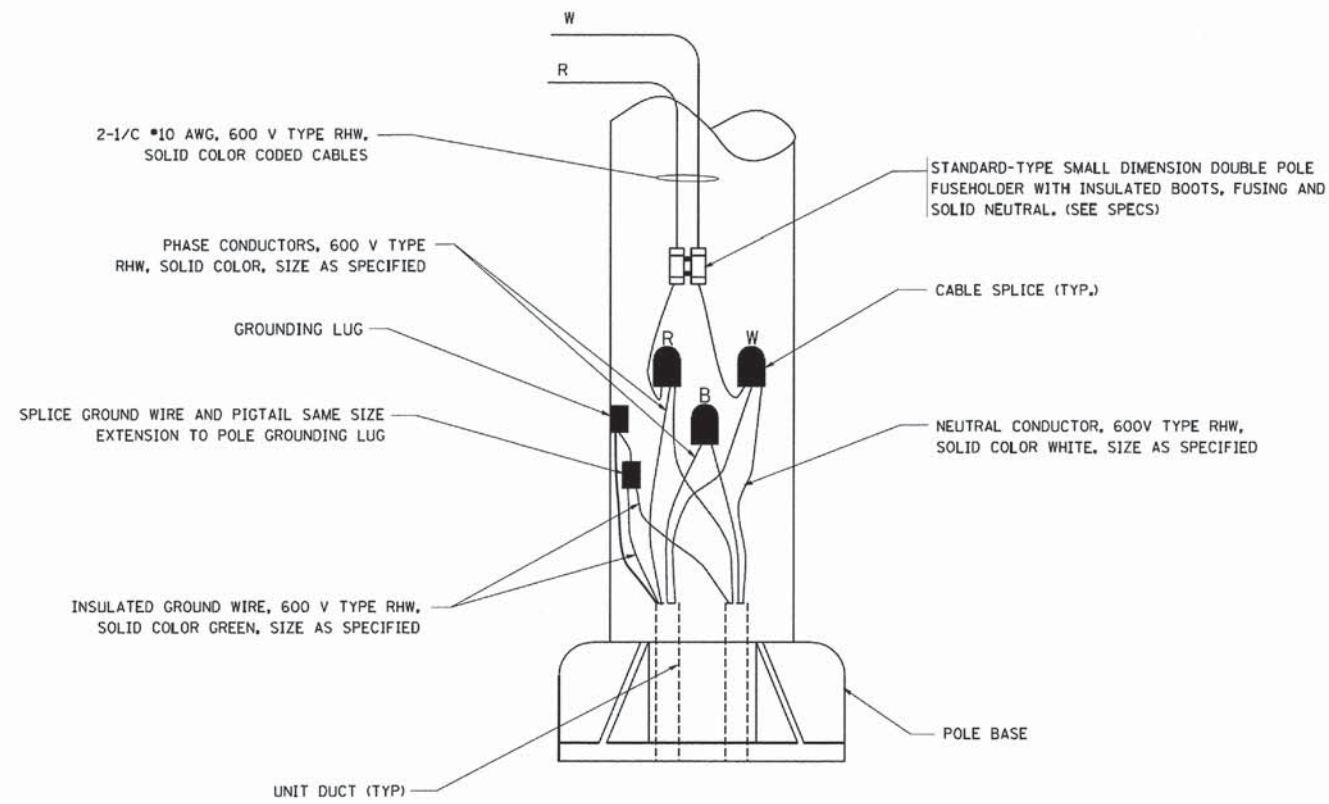
HANDHOLE DETAIL (N.T.S.)

FILE NAME = G:\CH01\0113\Traffic\CD\Sheets\113-RL-203	USER NAME = jalvarez	DESIGNED -	REVISED - R. TOMSONS 09-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALUMINUM LIGHT POLE 40'-0" (12.192 m) MOUNTING HEIGHT		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	BE401.dgn	DRAWN -	REVISED - R. TOMSONS 09-02-03		SCALE: N.T.S.	SHEET NO. 158 OF 232 SHEETS	STA.	TO STA.	0124	08-00106-0 0-FP	MCHENRY	232 158
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - R. TOMSONS 01-18-13		CONTRACT NO. 63843		ILLINOIS FED. AID PROJECT					
	PLOT DATE = 7/17/2014	DATE -	REVISED -									



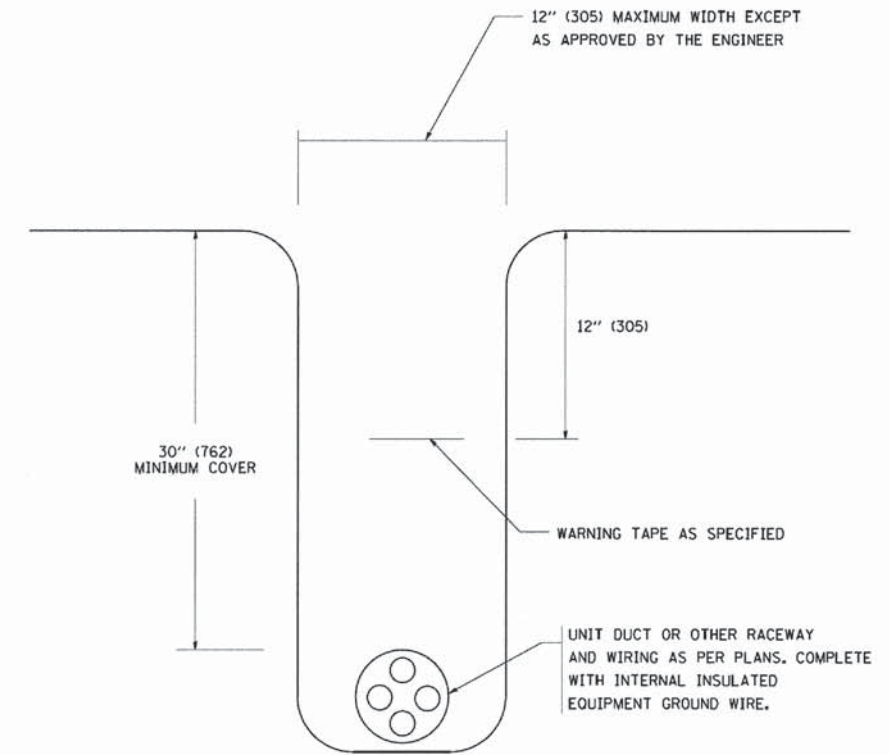
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

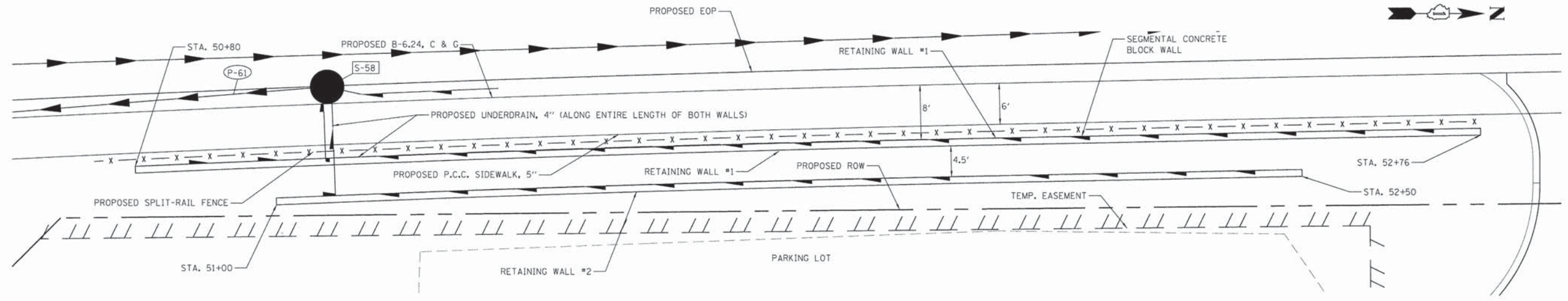


TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

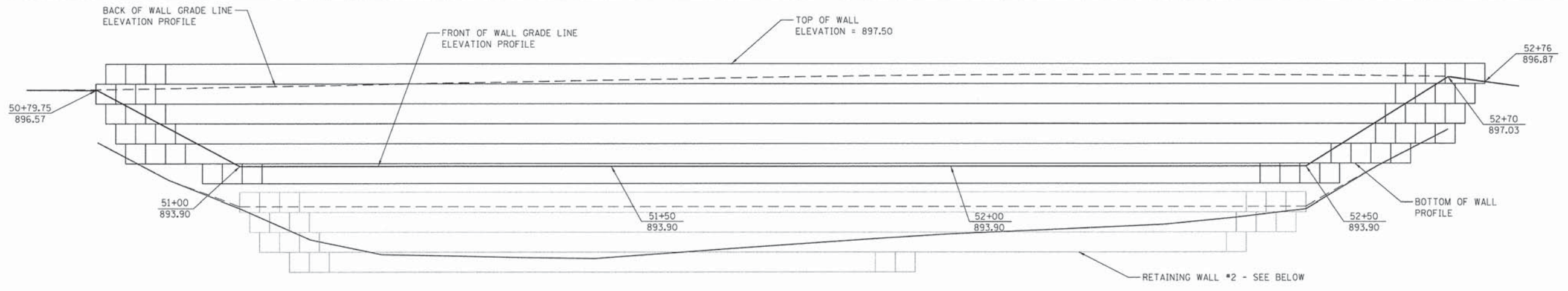
SEE SHEET NO 153 FOR TRACER CABLE SPLICING REQUIREMENTS.

FILE NAME *	USER NAME = jalarinoz	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - STANDARD DRAWING	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CHI\1\0113\Traffic\CD\Sheets\113-RL-208	BE702.dgn	DRAWN -	REVISED -			0124	08-00106-0 0-FP	McHENRY	232	159	
	PLOT SCALE = 1/800' = 1/4"	CHECKED -	REVISED -			BE-702		CONTRACT NO. 63843			
	PLOT DATE = 7/17/2014	DATE -	REVISED -			SCALE: N.T.S.	SHEET NO. 159 OF 232 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

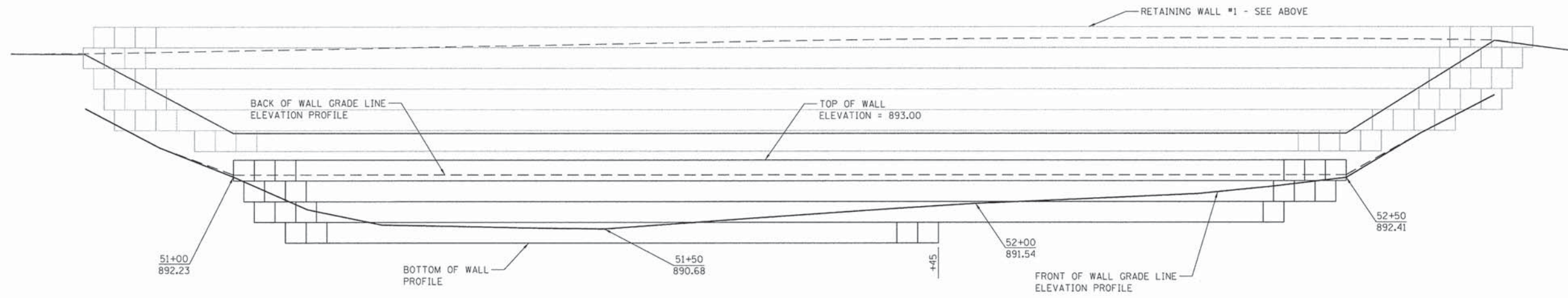


FOR RETAINING WALL SECTIONS, SEE SHEET 161

PLAN

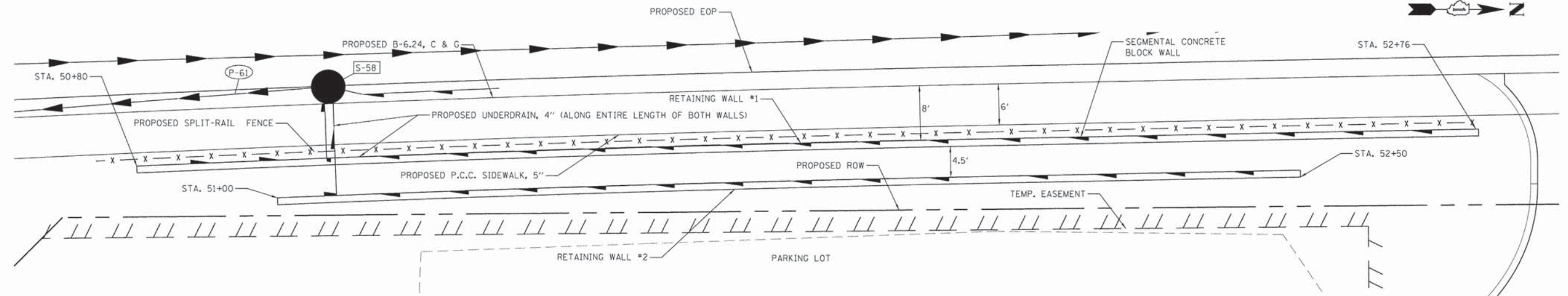


ELEVATION - RETAINING WALL #1

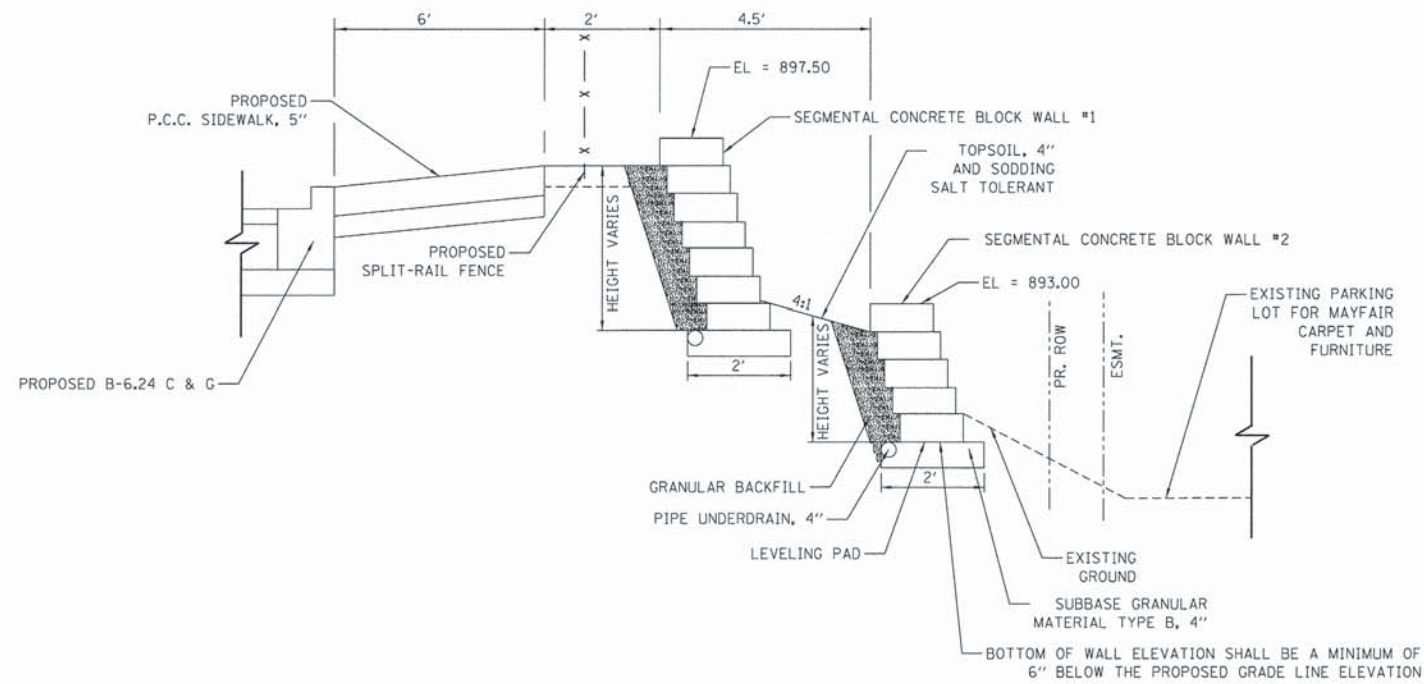


ELEVATION - RETAINING WALL #2

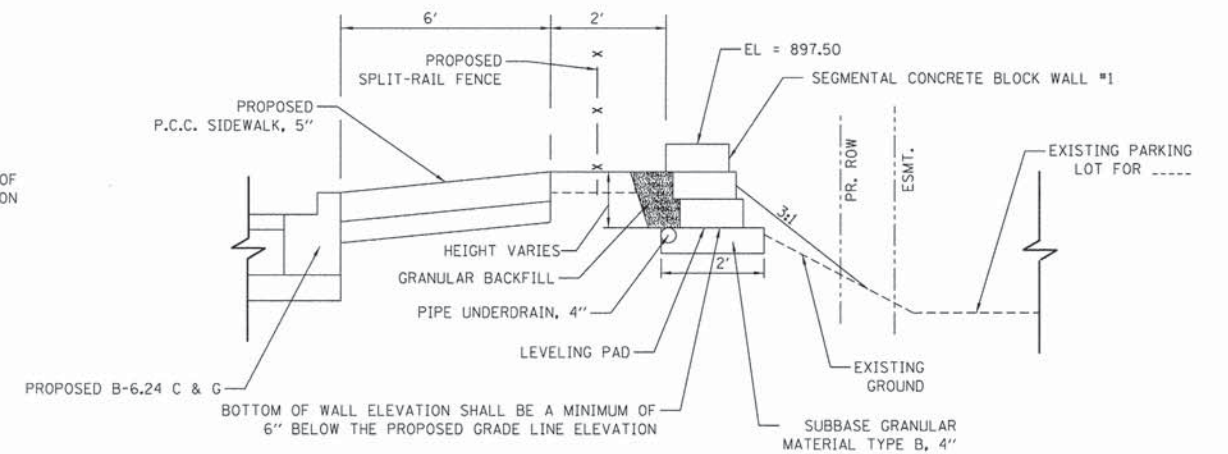
FILE NAME = G:\CH11\0113\Road\Sheets\113RET001.dgn	USER NAME = jatorinez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET SEGMENTAL CONCRETE BLOCK WALL DETAILS		F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 160	
	PLOT SCALE = 7,5000 ft / in.	CHECKED -	REVISED -		SCALE: NTS	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 63843				
	PLOT DATE = 7/17/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



PLAN



DOUBLE WALL SECTION
STA. 51+00 TO STA. 52+50



SINGLE WALL SECTION
STA. 50+80 TO STA. 51+00
STA. 52+50 TO STA. 52+76

FILE NAME + G:\CH11\0113\Road\Sheets\113RET002.dgn	USER NAME + jalarinoz	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET
SEGMENTAL CONCRETE BLOCK WALL DETAILS

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

F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 161
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	

UW-01

NOTE:
ALL MANHOLES MUST BE DAMP PROOF
PER IDOT SPECIFICATIONS 1060
"WATER PROOFING MATERIALS"

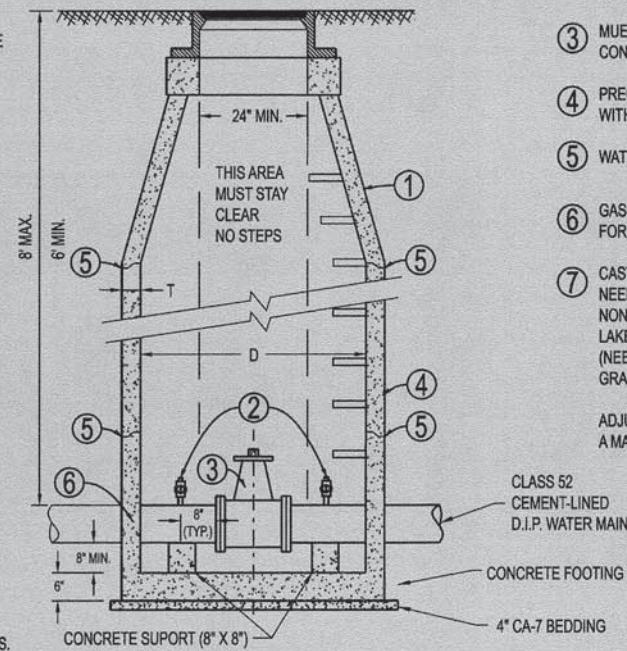
ALL LIDS TO BE USED ON WATER
SYSTEM STRUCTURE SHALL BEAR THE
WORDS "CITY OF CRYSTAL LAKE
WATER".

DRAIN FOR VALVE VAULT SHALL
BE CONSTRUCTED ONLY WHEN
SHOWN ON THE PLANS.

FRAME AND RING(S) TO BE SET IN
MORTAR BED OR SEALED WITH A
PREFORMED BITUMEN SEAL (E-Z-
STICK OR APPROVED EQUAL).

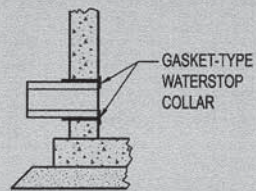
FOR PRESSURE CONNECTION,
SEE DETAIL UW-2.

DIAMETER OF WATER MAIN	D	T
8 INCHES AND OVER	5 FT.	5"



- ① CONCENTRIC CONES REQUIRED
- ② 1" (PREFERRED, 3/4" MIN.) MUELLER, A.Y. McDONALD, OR FORD CORPORATION STOP EACH SIDE OF VALVE MUST BE A COMPRESSION FITTING.
- ③ MUELLER 2380-23-9020 OR AMERICAN FLOW CONTROL 2500-1 RESILIENT SEAT GATE VALVE
- ④ PRECAST CONCRETE MANHOLE SECTIONS WITH A MINIMUM THICKNESS OF 5"
- ⑤ WATERTIGHT JOINT
- ⑥ GASKET-TYPE WATERSTOP COLLAR FOR ALL WATER MAIN CONNECTIONS
- ⑦ CAST IRON MANHOLE FRAME & COVER SIMILAR TO NEENAH R-1712, OR EQUAL WITH STANDARD DUTY, NON-ROCKING TYPE LIDS WITH "CITY OF CRYSTAL LAKE WATER" CAST INTO LID. (NEENAH R-2535, OR EQUAL MAY BE USED IN GRASSY AREAS)

ADJUSTING RING HEIGHT NOT TO EXCEED 8" WITH A MAXIMUM OF THREE (3) ADJUSTMENT RINGS.



NOTE: ALL VALVE HARDWARE
MUST BE STAINLESS STEEL
INCLUDING NUTS, BOLTS & WASHERS.

Approved: City Engineer

Victor C. Ramirez
Victor C. Ramirez, P.E.
Director of Engineering and Building

Drawing Name

**STANDARD
VALVE VAULT**

Drawing Number

UW-01

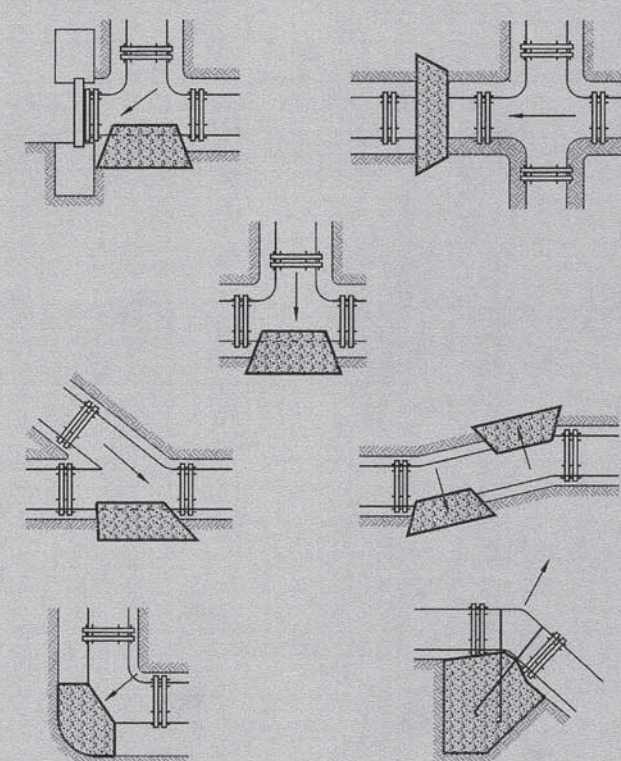
Date: 4/15/2007

Drawn Checked
EM JN



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UW-03



BEARING AREA (SQ. FT.)					
PIPE SIZE	TEE/PLUG	90°	45°	21 1/2°	11 1/4°
6	4	2	1	1	1
8	6	4	3	1	1
10	7	5	3	2	1
12	8	6	4	3	2
14	12	9	6	4	3
16	15	12	7	5	3
18	18	15	9	5	4
24	40	30	15	10	5

NOTES:

ALL BLOCKING SHALL BE POURED CLASS SI CONCRETE AGAINST UNDISTURBED EARTH.

ALL BENDS OR ELBOWS GREATER THAN 11 1/4" SHALL HAVE THRUST BLOCKING. FORM AS TO NOT COVER BOLTS.

IN LEU OF THRUST BLOCKING "MEGA LUG" (EBAA) JOINT RESTRAINTS OR APPROVED EQUAL CAN BE USED AS APPROVED BY THE ENGINEER.

Approved: City Engineer

Victor C. Ramirez
Victor C. Ramirez, P.E.
Director of Engineering and Building

Drawing Name

**THRUST BLOCK
INSTALLATION**

Drawing Number

UW-03

Date: 4/15/2007

Drawn Checked
EM JN



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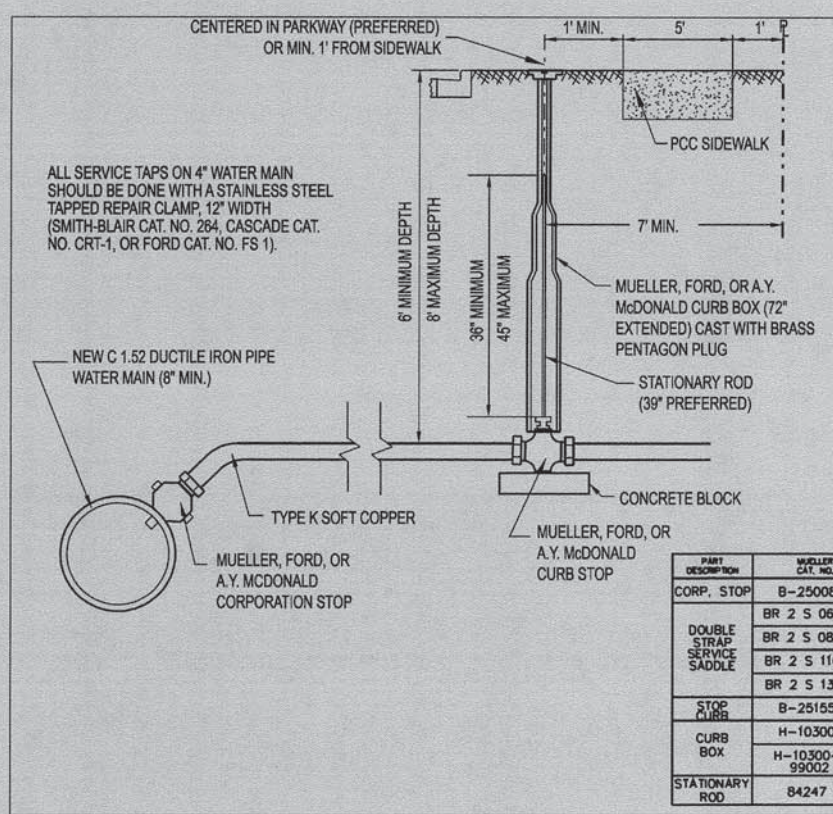
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G:\CH11\113\Road\Sheets\113std001.dgn	jramirez	-	-
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH MAIN STREET
PROJECT DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	MCHEMRY	232	162
				CONTRACT NO. 63843
ILLINOIS FED. AID PROJECT				



ALL SERVICE TAPS ON 4" WATER MAIN SHOULD BE DONE WITH A STAINLESS STEEL TAPPED REPAIR CLAMP, 12" WIDTH (SMITH-BLAIR CAT. NO. 264, CASCADE CAT. NO. CRT-1, OR FORD CAT. NO. FS 1).

- NOTES:**
1. NO CORPORATION STOPS OR CURB BOXES MAY BE LOCATED UNDER PAVED AREAS INCLUDING DRIVES AND SIDEWALKS
 2. ALL WATER MAIN HARDWARE SHALL BE MUELLER, A.Y. McDONALD, OR FORD.
 3. SERVICE TO BE CONTINUOUS WITHOUT JOINTS FROM CORPORATION STOP TO CURB STOP.
 4. MULTIPLE TAPS INTO MAIN SHALL BE NO CLOSER THAN 2' APART.
 5. TRENCH FROM MAIN TO BACK OF SIDEWALK TO BE COMPACTED TRENCH BACKFILL.
 6. NO FLARE FITTINGS WILL BE ACCEPTED.
 7. ALL CURB BOX ADJUSTMENTS TO BE MADE WITH GALVANIZED PIPE AND COUPLINGS (SCREWED ON)
 8. ALL COPPER TO BE REAMED BOTH INSIDE AND OUTSIDE AFTER CUTTING.
 9. B-BOXES (TWO OR MORE) FOR ALL MULTI-UNIT BUILDINGS MUST BE CLEARLY AND PERMANENTLY LABELED BY WELDING THE UNIT NUMBER/LETTER ONTO THE B-BOX TOP

PART DESCRIPTION	MUELLER CAT. NO.	FORD CAT. NO.	A.Y. McDONALD CAT. NO.	SERVICE SIZE
CORP. STOP	B-25008	FB1000-Q	4701BQ	
DOUBLE STRAP SERVICE SADDLE	BR 2 S 0684 CC	20285-750-CC	3855 6	
	BR 2 S 0899 CC	20285-962-CC	3855 8	
	BR 2 S 1104 CC	20285-1212-CC	3855 10	
	BR 2 S 1314 CC	20285-1438-CC	3855 12	
STOP CURB	B-25155	B44-M-Q	6104Q	
CURB BOX	H-10300	EW2-60-56	5614	1" & 1.25" A.Y. McD.
	H-10300-99002	EW2-60-57	5615	1.25" FORD, 1.5" & 2"
STATIONARY ROD	B4247	ROD-36	5660	

Approved: City Engineer

 Victor C. Ramirez, P.E.
 Director of Engineering and Building

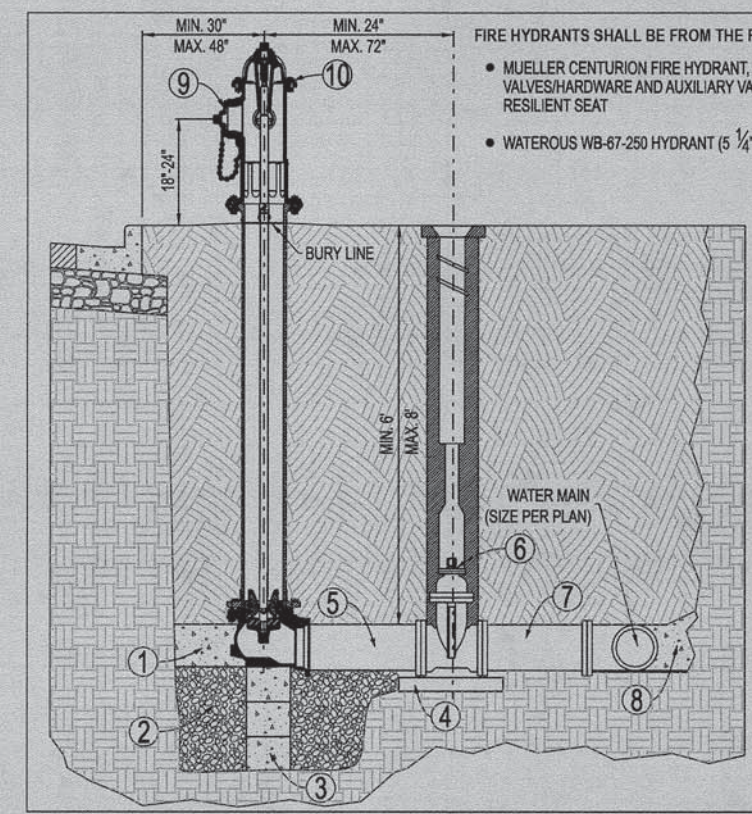
Drawing Name
WATER SERVICE INSTALLATION

Drawing Number
UW-04

Date: 4/15/2007

Drawn: EM
 Checked: JN

CRYSTAL LAKE ILLINOIS
 Engineering Division



- FIRE HYDRANTS SHALL BE FROM THE FOLLOWING LIST, AS COORDINATED WITH THE CITY:
- MUELLER CENTURION FIRE HYDRANT, OPT-094 (5 1/4" BARREL) WITH MUELLER VALVES/HARDWARE AND AUXILIARY VALVE 6" GATE VALVE NO. 2360-23-9020 MODIFIED WEDGE RESILIENT SEAT
 - WATEROUS WB-67-250 HYDRANT (5 1/4" PACER) WITH SERIES 2500-1 RESILIENT WEDGE GATE VALVE

- 1 PROVIDE CLASS SI CONCRETE BASE AND BLOCKING AGAINST UNDISTURBED EARTH
- 2 DRAIN SUMP TO BE 3/4 CUBIC YARD OF 3/4" WASHED STONE
- 3 CONCRETE SUPPORT
- 4 CONCRETE BLOCK OR BRICK SUPPORT
- 5 PIPE AS REQUIRED TO MAINTAIN 24" SEPARATION AS SHOWN (DIRECT MECHANICAL JOINT CONNECTION IF APPROVED BY CITY)
- 6 RUBBER VALVE BOX STABILIZER
- 7 USE "CORTEN" STEEL TIE RODS BETWEEN AUXILIARY VALVE AND WATER MAIN (STAINLESS STEEL MAY BE REQUIRED BY THE CITY ENGINEER). ANY DISTANCE GREATER THAN 30" SHALL BE RODDED TO MEGA-LUG FLANGE. NO COUPLINGS ARE PERMITTED IN RODS.
- 8 CONCRETE BLOCKING CAST IN PLACE 3000 P.S.I.
- 9 4" PORT TO FACE PAVEMENT OR AS DIRECTED BY CITY ENGINEER
- 10 ALL NEWLY INSTALLED HYDRANTS MUST BE TOP COATED WITH RUST-OLEUM FIRE HYDRANT ENAMEL (COLOR = FIRE HYDRANT RED)
- 11 MIN. 48" BETWEEN HYDRANT AND ANY VERTICAL OBSTRUCTIONS.
- 12 MIN. 72" BETWEEN HYDRANT AND ANY LANDSCAPING WITH A MATURE HEIGHT GREATER THAN 12".
- 13 ALL VALVE AND HYDRANT HARDWARE MUST BE STAINLESS STEEL INCLUDING NUTS, BOLTS, AND WASHERS.

Approved: City Engineer

 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name
FIRE HYDRANT

Drawing Number
UW-06

Date: 11/2/2007

Drawn: EM
 Checked: JN

CRYSTAL LAKE ILLINOIS
 Engineering Division

FILE NAME	USER NAME	DESIGNED	REVISED
Gr\CH11\2013\Road\Sheets\113\td002.dgn	vramirez	-	-
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET
PROJECT DETAILS

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	MCHENRY	232	163
CONTRACT NO. 63843				
ILLINOIS FED. AID PROJECT				

CITY OF CRYSTAL LAKE WATER MAIN CHLORINATION SPECIFICATIONS:

1. DISINFECTION OF WATER MAINS SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION, CURRENT EDITION
2. THE CITY ENGINEERING DIVISION AND WATER DIVISION SHALL BE NOTIFIED 48 HOURS IN ADVANCE FOR SCHEDULING OF ANY TESTING CHLORINATING, FLUSHING, OR SAMPLING.
3. ONLY CITY WATER DIVISION PERSONNEL MAY OPERATE WATER VALVES ON LIVE MAINS.
4. A WATER VALVE JUMPER IS REQUIRED TO MAINTAIN PRESSURE ON THE CHLORINATED LINES DURING THE SAMPLING PROCEDURE FOR PROPER INSTALLATION AND REQUIREMENTS SEE THE STANDARD WATER VALVE JUMPER DETAIL.
5. WATER MAINS SHALL BE FLUSHED WITH A MINIMUM VELOCITY OF 2.5 FPS.
6. THE INITIAL CHLORINE CONCENTRATION SHALL BE 50 mg/L WITH A MINIMUM 24 HOUR RESIDUAL OF 25 mg/L.
7. THE METHOD OF CHLORINE APPLICATION SHALL BE APPROVED BY THE CITY:
 - a. LIQUID CHLORINE W/CHLORINATING DEVICE WITH BACKFLOW PREVENTER.
 - b. CHLORINE BEARING COMPOUNDS IN WATER.
 - c. TABLET DISINFECTION.
8. ALL NEW VALVES AND HYDRANTS SHALL BE OPERATED WHILE LINE IS BEING CHLORINATED.
9. THE CITY ENGINEERING DIVISION SHALL DETERMINE LOCATION AND QUANTITY OF CORPORATION STOPS FOR FLUSHING AND CHLORINATING.
10. THE FINAL FLUSHING RESIDUAL IN THE NEW CHLORINATED LINES SHALL BE BETWEEN 0.2 AND 2.0 mg/L.
11. ALL WATER SAMPLES SHALL BE COLLECTED ON TWO (2) CONSECUTIVE DAYS AND PASS BACTERIOLOGICAL TEST RESULTS. IN THE EVENT THAT THE FIRST SET OF SAMPLES TAKEN TWO (2) CONSECUTIVE DAYS APART FAIL TO PASS, ANOTHER SET OF SAMPLES MAY BE TAKEN TWO (2) DAYS APART (PER STATE SPECS). IF THE SECOND SET FAILS TO PASS TESTING, THEN THE PROCEDURE MUST BE REPEATED WITH THE MAIN BEING RECHLORINATED, REFRESHED, AND RESAMPLED.
12. STATE CERTIFIED LAB MUST BE USED FOR SAMPLES.

CHLORINE REQUIREMENTS TO PRODUCE 50 mg/L CONCENTRATION IN 100 FEET OF PIPE-BY DIAMETER

PIPE SIZE IN INCHES	100% CHLORINE, LB.	1% CHLORINE SOLUTION, GALS.
4	0.027	0.33
6	0.061	0.73
8	0.108	1.30
10	0.170	2.04
12	0.240	2.88

NUMBER OF 5-GRAIN HYPOCHLORITE TABLETS REQUIRED FOR A DOSAGE OF 50mg/L PER LENGTH OF PIPE SECTION

PIPE SIZE IN INCHES	LENGTH OF PIPE SECTION IN FEET				
	UP TO 13	18	20	30	40
2	1	1	1	1	1
4	1	1	2	2	2
6	2	2	3	3	4
8	2	3	5	5	6
10	3	5	7	7	9
12	5	6	10	10	14

Approved: City Engineer

Victor C. Ramirez
Victor C. Ramirez, P.E.
Director of Engineering and Building

Drawing Name

CHLORINATION SPECIFICATIONS

Drawing Number

UW-08

Date: 4/15/2007

Drawn: EM
Checked: LZ



L:\ENGINEERING AND BUILDING\ENGINEERING\DETAILS AND STANDARDS\

UW-08

PROJECT NAME: _____
 CONTRACTOR: _____
 WITNESS: _____
 LINE PRESSURIZED DATE: _____ TIME: _____ am / pm
 LINE TESTED DATE: _____ TIME: _____ am / pm

PRESSURE TEST

	2-HOUR	24-HOUR
TOTAL LENGTH OF MAIN (FEET)		
PIPE DIAMETER (INCHES)		
TEST PRESSURE (PSI)		
TOTAL ALLOWABLE LEAKAGE IN ONE HOUR (GALLONS)		
TOTAL ALLOWABLE LEAKAGE IN TIME FRAME (GALLONS)		

CALCULATION FOR ACTUAL WATER VOLUME LOSS

	2-HOUR	24-HOUR
SURFACE AREA OF SUPPLY VESSEL (FEET)		
MAXIMUM ALLOWABLE DROP IN WATER LEVEL (FEET)		
ACTUAL DROP IN WATER LEVEL (FEET)		
GALLONS		
INITIAL METER READING		
24TH HOUR METER READING		
TOTAL ALLOWABLE LEAKAGE (GALLONS)		
ACTUAL LEAKAGE (GALLONS)		
PASS OR FAIL		

LOCATION DIAGRAM:



NOTES:

Approved: City Engineer

Victor C. Ramirez
Victor C. Ramirez, P.E.
Director of Engineering and Building

Drawing Name

WATER MAIN TEST REPORT

Drawing Number

UW-09

Date: 4/1/2007

Drawn: EM
Checked: LZ



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UW-09

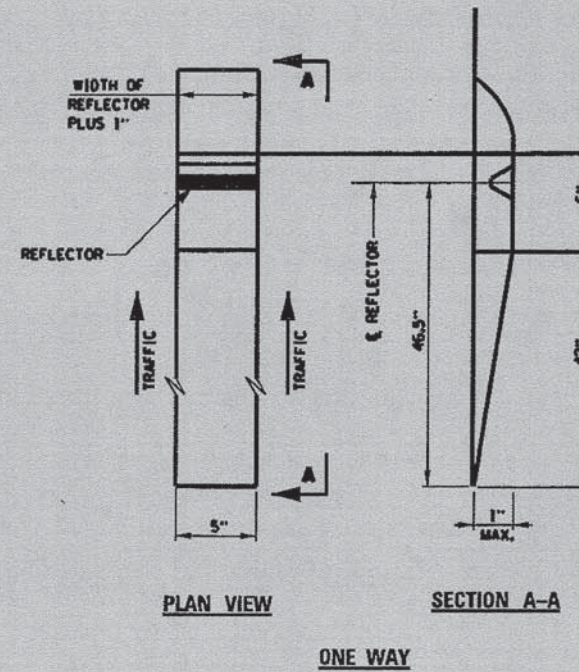
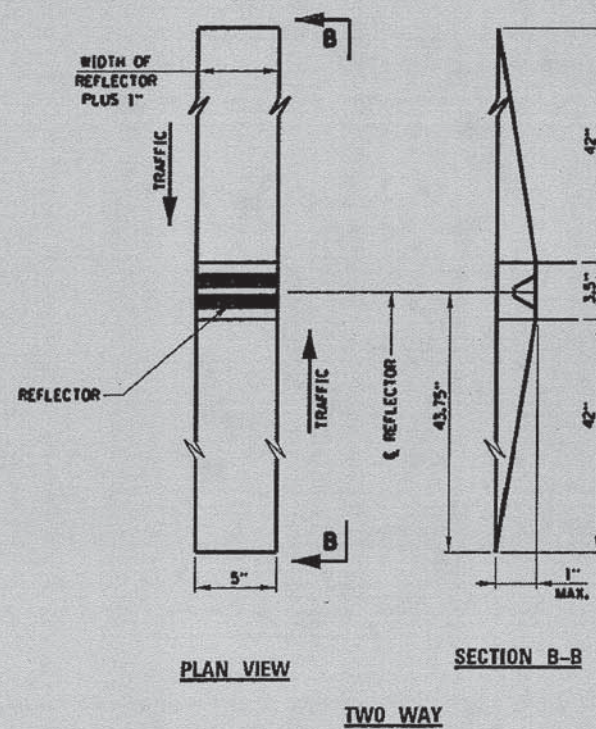
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET PROJECT DETAILS

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 164
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



RECESSED REFLECTIVE MARKERS

INSTALLATION NOTES:

1. SAWCUT IN DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BAND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR $\frac{1}{2}$ TO $\frac{1}{4}$ INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES 290.

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO IDOT HIGHWAY STANDARD 781001-02 (OR LATEST) FOR MARKER PLACEMENT.
2. IDOT STANDARD 781001-02 SHALL BE MODIFIED TO REFLECT IN RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

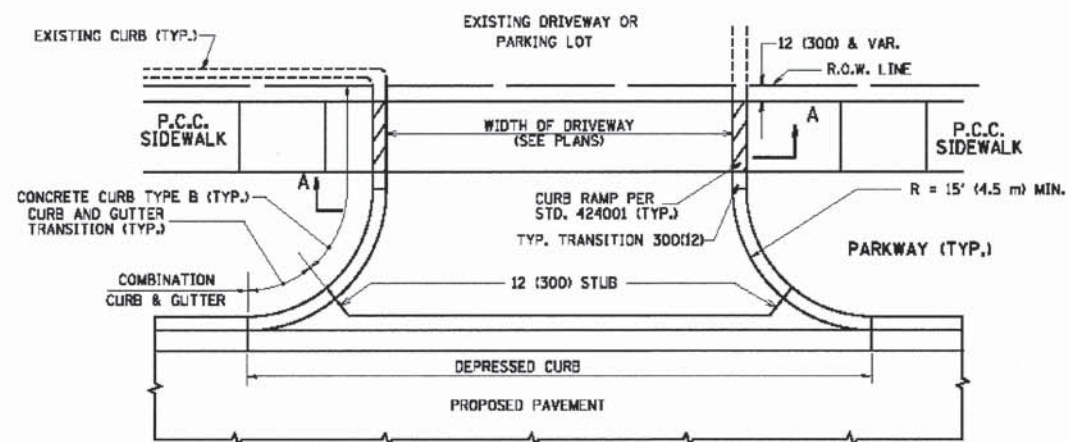
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

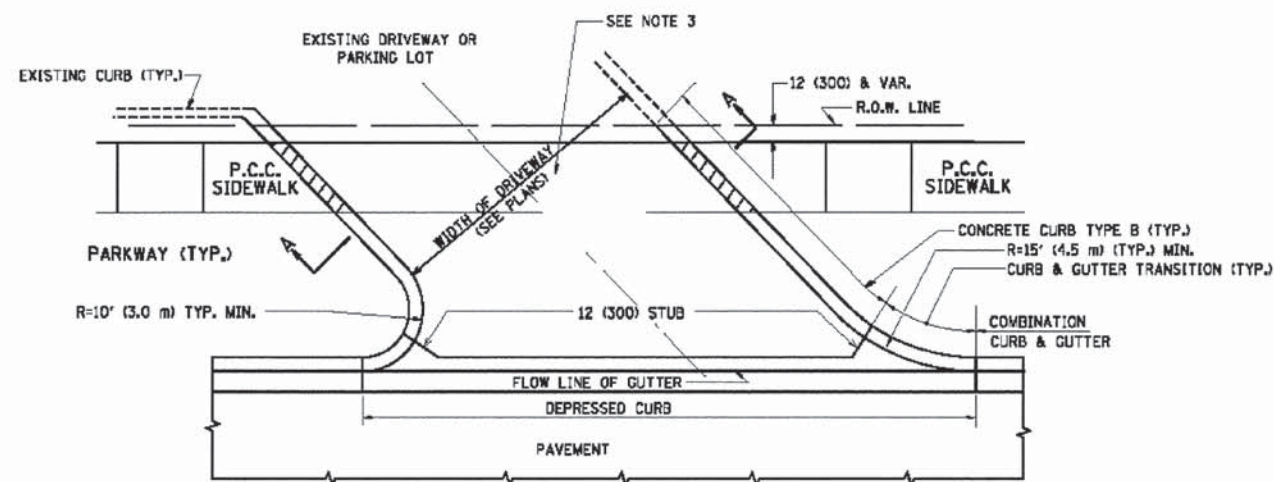
SOUTH MAIN STREET
RECESSED REFLECTIVE PAVEMENT MARKER DETAIL

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

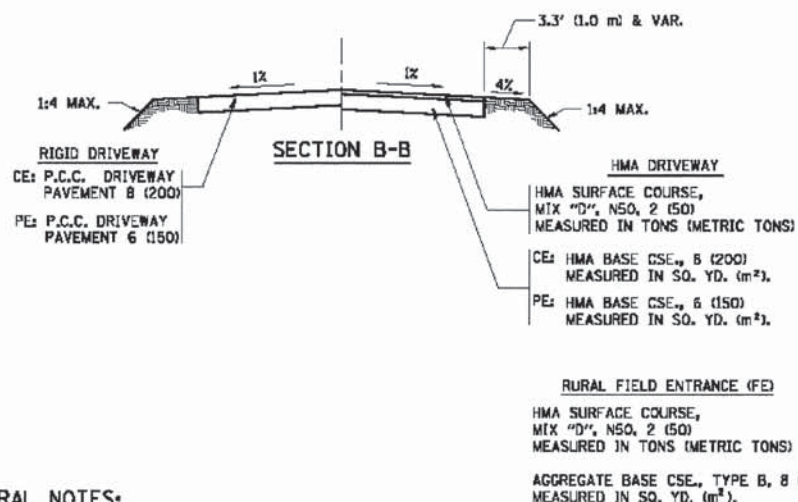
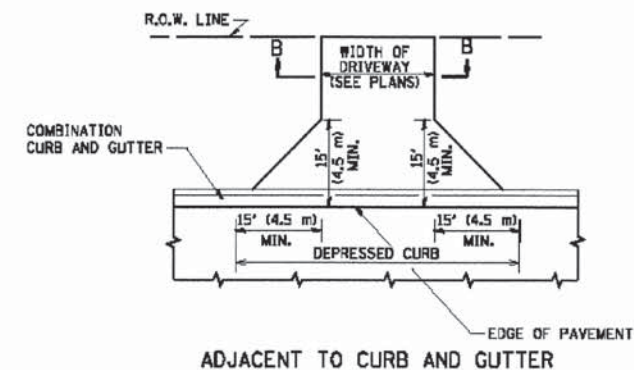
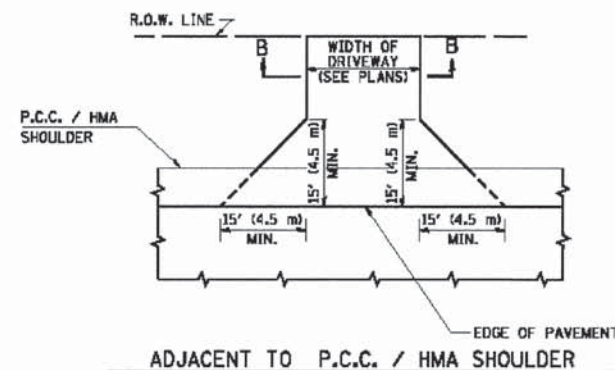
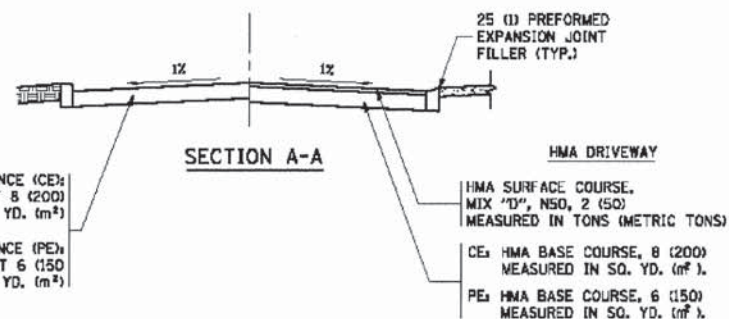
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	165
			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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.

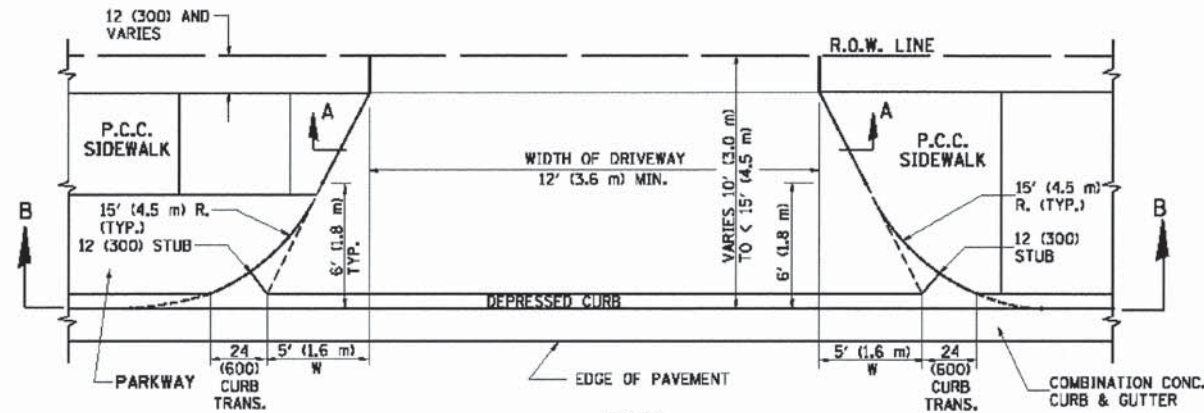
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

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.

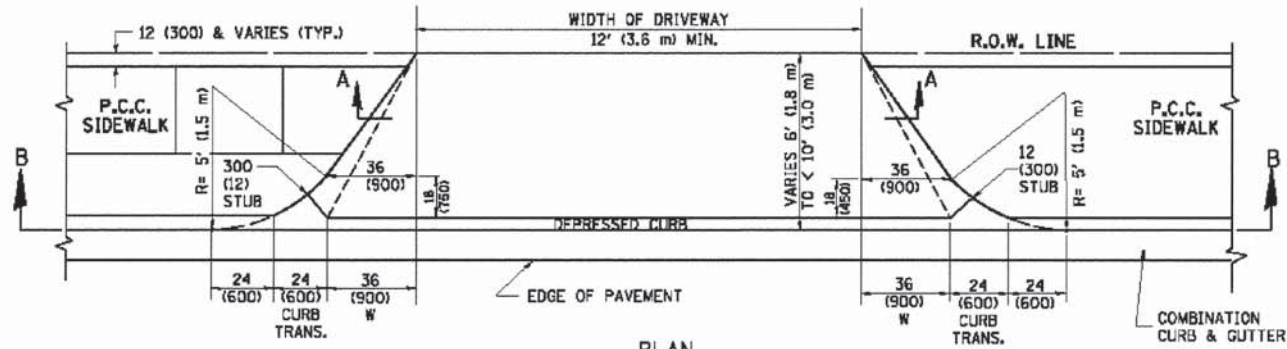
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = g_lorinez	DESIGNED R. SHAH	REVISED - P. LAFLUER 04-15-03
C:\D\1\B\13\Road\Sheets\District Details\MS-51-18-80-213.D		DRAWN	REVISED - R. BORO 01-01-07
	PLOT SCALE = 28,000' / in.	CHECKED	REVISED - R. BORO 06-11-08
	PLOT DATE = 7/17/2014	DATE 11-04-95	REVISED - R. BORO 09-06-11

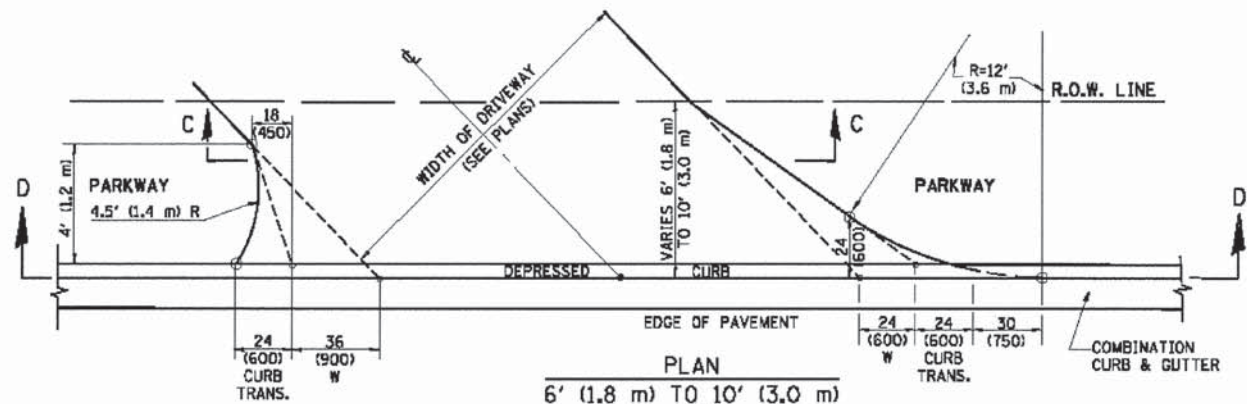
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	MCHENRY	232	166
			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				



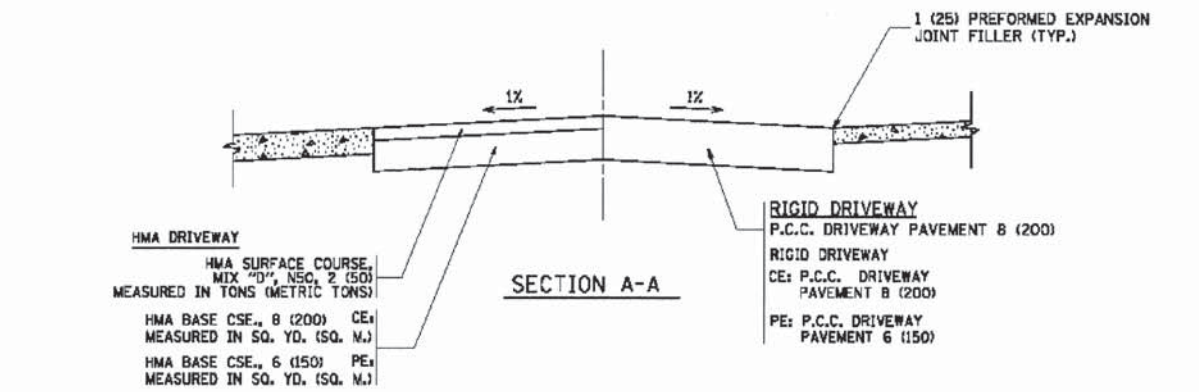
PLAN
10' (3.0 m) TO < 15' (4.5 m)



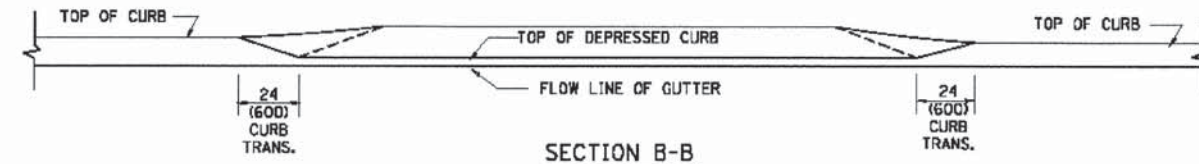
PLAN
6' (1.8 m) TO < 10' (3.0 m)



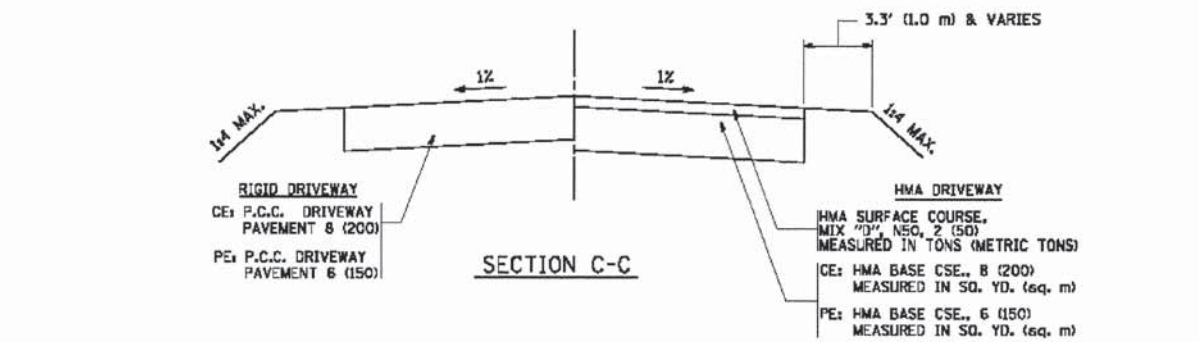
PLAN
6' (1.8 m) TO 10' (3.0 m)



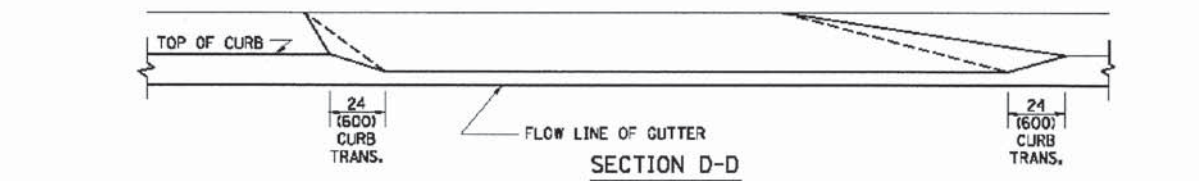
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

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

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

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND
FACE OF CURB < 15' BD-02

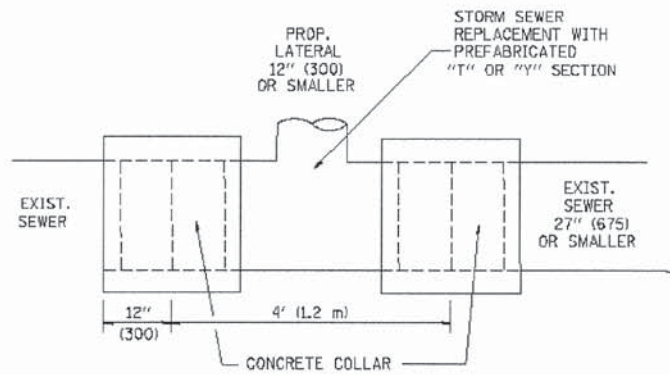
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				

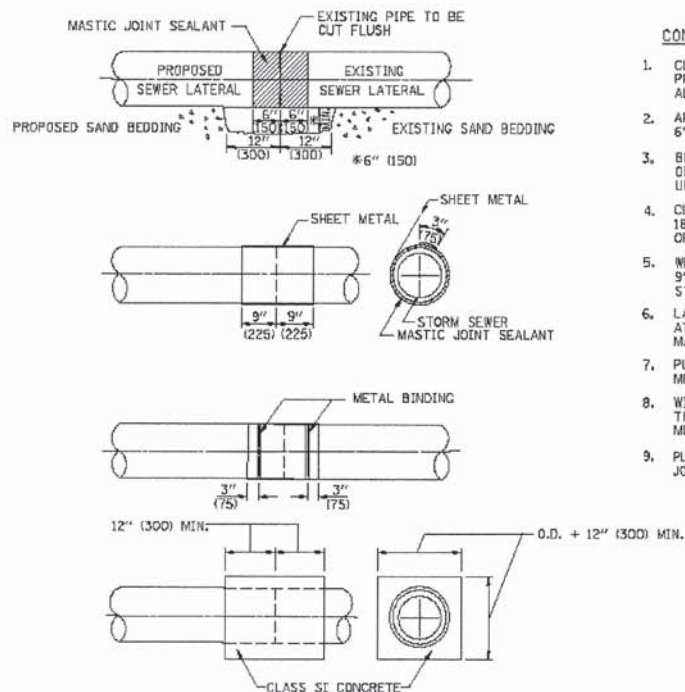
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GA08181137RoadSheets\District Details\845-07-111-80-02.DWG	jaloncz	R. SHAH	M. GOMEZ 04-06-01
			P. LAFLEUR 04-15-03
			R. BORO 01-01-07
			R. BORO 09-06-11

PLOT SCALE = 28,000 * / in.
PLOT DATE = 7/17/2014

CHECKED
DATE 11-06-95



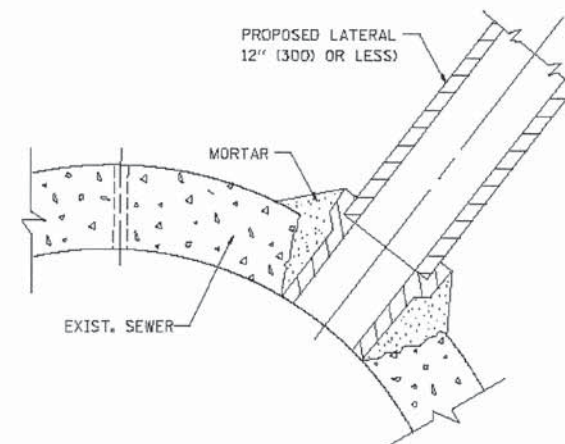
DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 L1 (D.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT DOES NOT COME BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

TranSystems
1475 EAST WOODFIELD ROAD, SUITE 600
SCHAMBERG, ILLINOIS 60173
(847) 605-9600

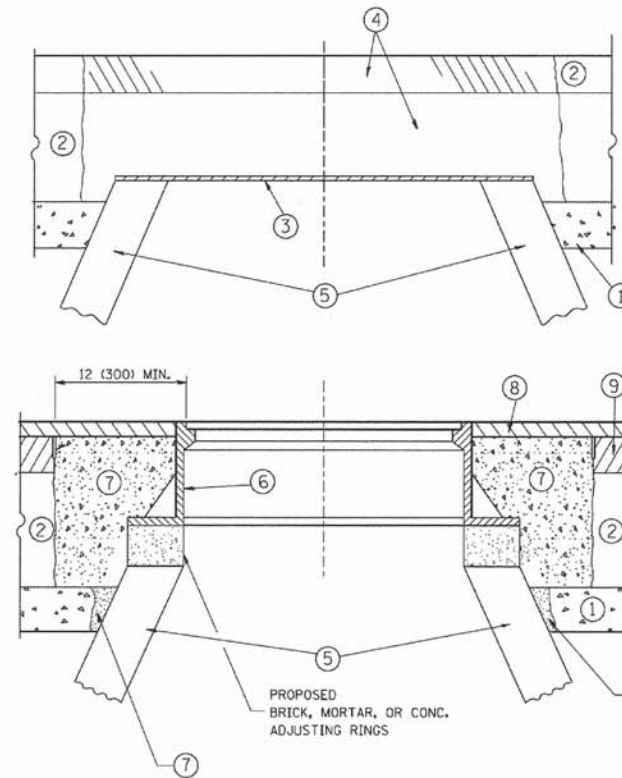
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G:\D\1\1127\Road\Sheets\District Details\MS-ST-112-80-87.SHT		DRAWN	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 20,000 ' / in.	CHECKED	REVISED - R. SHAH 10-25-94
	PLOT DATE = 7/17/2014	DATE 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETAIL OF STORM SEWER CONNECTION TO
EXISTING SEWER BD-07

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	168
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

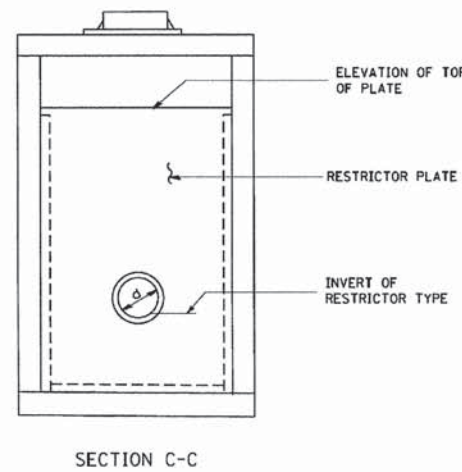
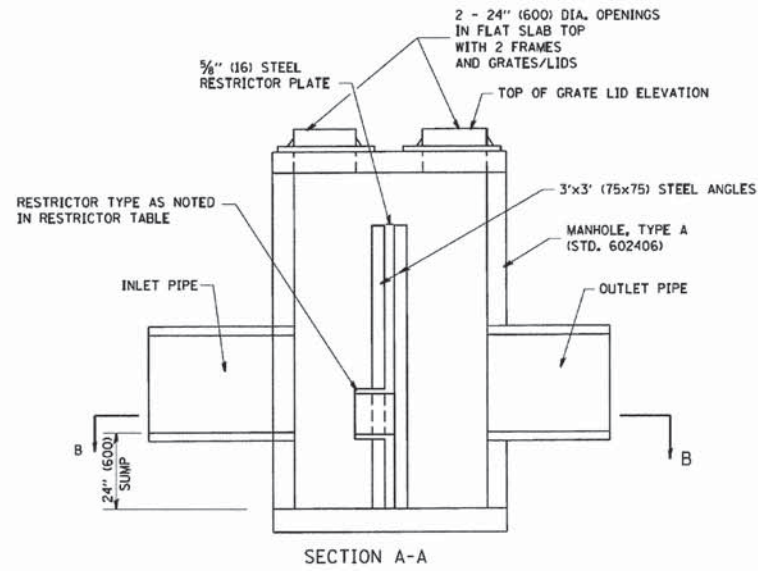
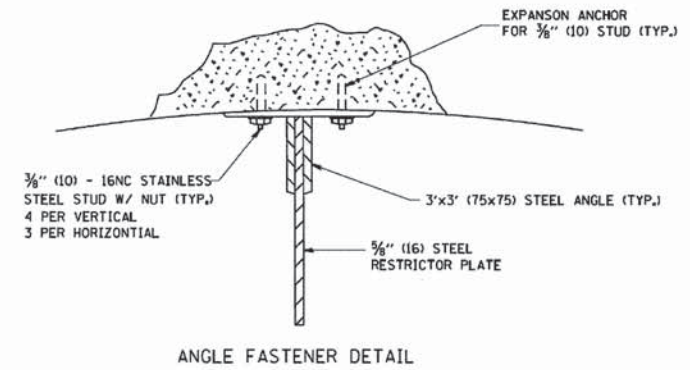
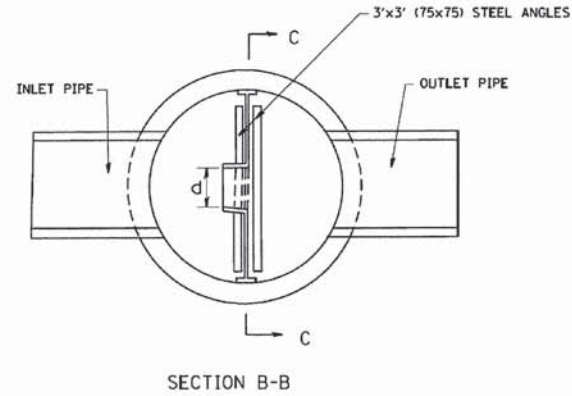
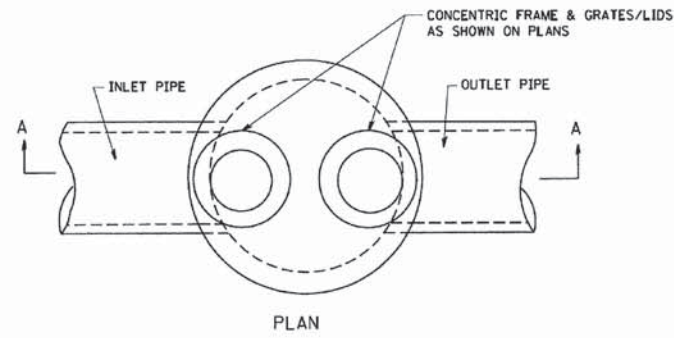
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	PLOT SCALE = 20.000' / 1" =	CHECKED	REVISED - R. BORO 03-09-11
	PLOT DATE = 7/17/2014	DATE 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

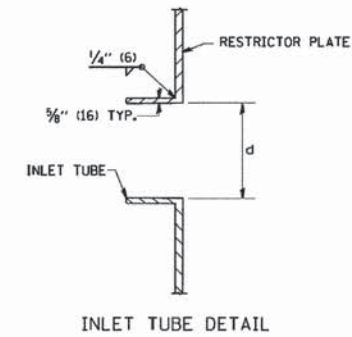
DISTRICT ONE - DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING BD-08

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

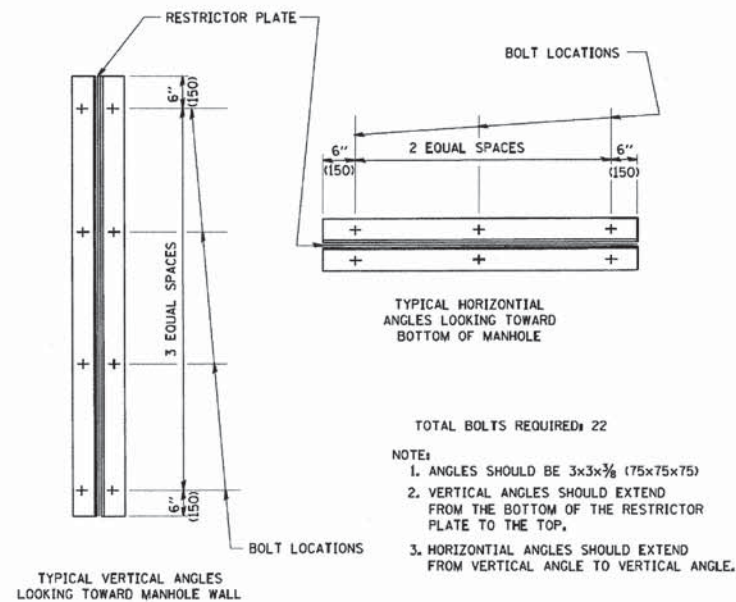
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	169
BD600-03 (BD-8)			CONTRACT NO. 63843	
ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6FT, (1.8M)-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
17+12	6'	T1F, CL	2	4"	883.78	888.11
55+32	6'	T1F, CL	2	4"	882.99	888.26



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH 2-1/2 DIA.	LENGTH 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

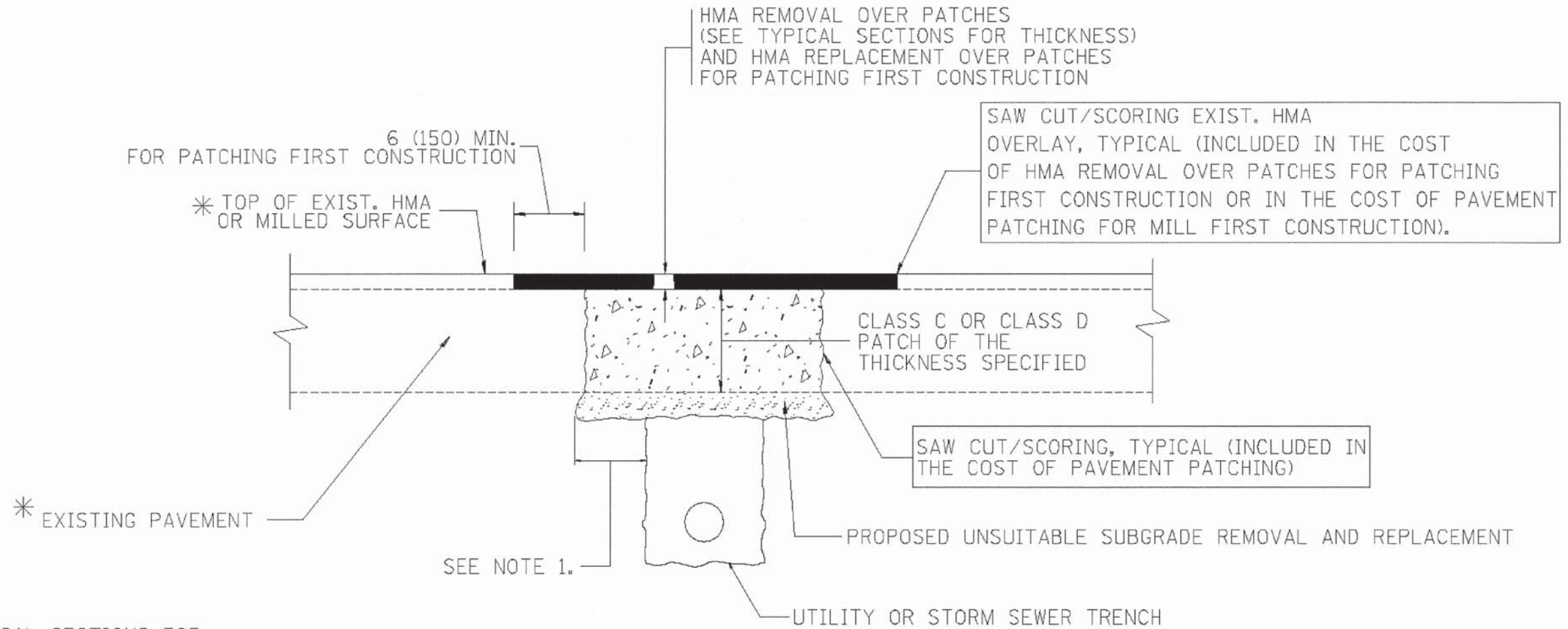
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0124	08-00106-00-FP	McHENRY	232	170
BD-12		CONTRACT NO. 63843		
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH MAIN STREET
RESTRICTOR PLATE DETAIL

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
G:\CH1\0113\Road\Sheets\113REST.dgn	jelorinez	-	-
PLOT SCALE = 50.0001 ft / in.	CHECKED :	DATE :	REVISED :
PLOT DATE = 7/17/2014	-	-	-

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

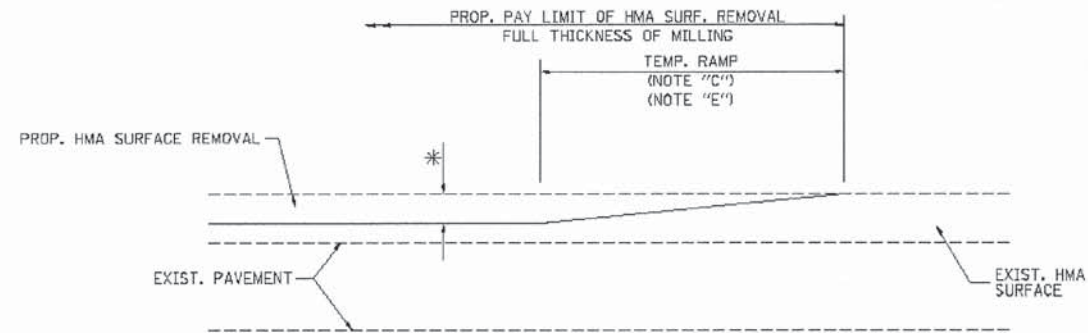
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

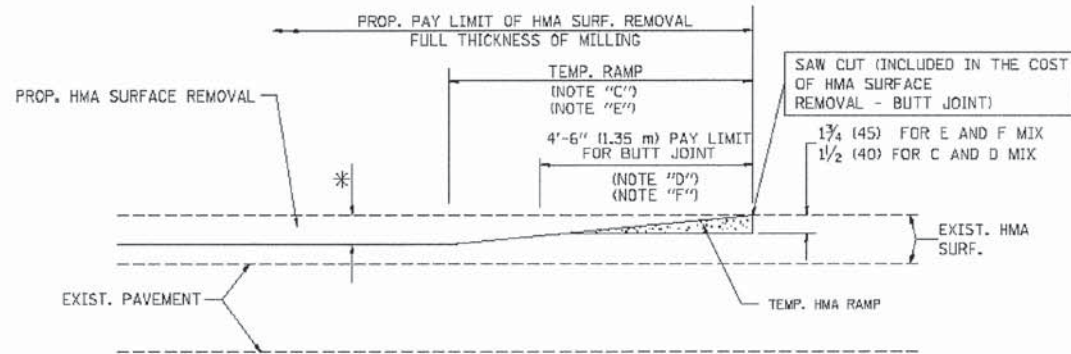
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = galarinoz	DESIGNED R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT BD-22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
G:\DIB\BID\Road\Sheets\District Details\MS-51-04-BD-22.SHT		DRAWN	REVISED - R. BORO 01-01-07			0124	08-00106-00-FP	MCHENRY	232	171
PLOT SCALE = 28,000' / in.		CHECKED	REVISED - R. BORO 09-04-07			SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 63843		
PLOT DATE = 7/17/2014		DATE 10-25-94	REVISED - K. ENG 10-27-08			ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

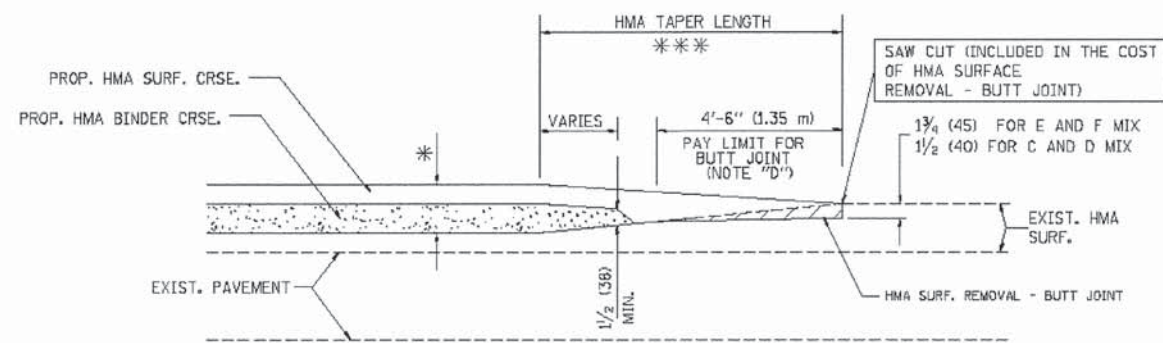
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

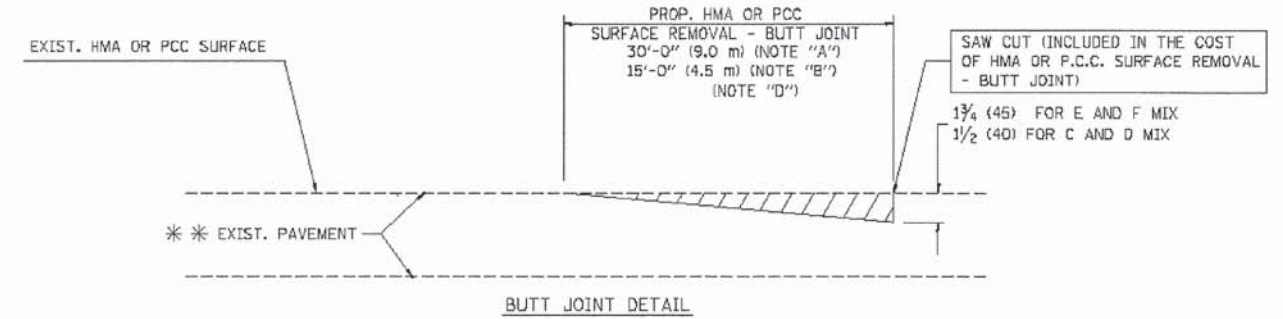
OPTION 2

TYPICAL TEMPORARY RAMP

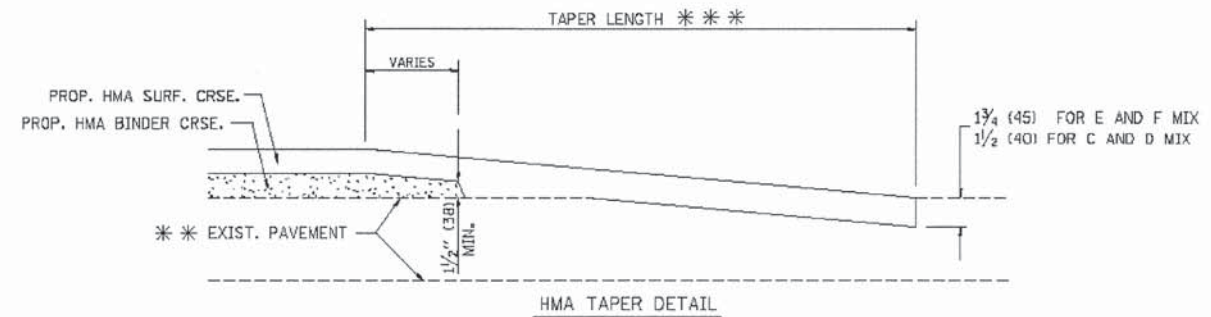


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

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")

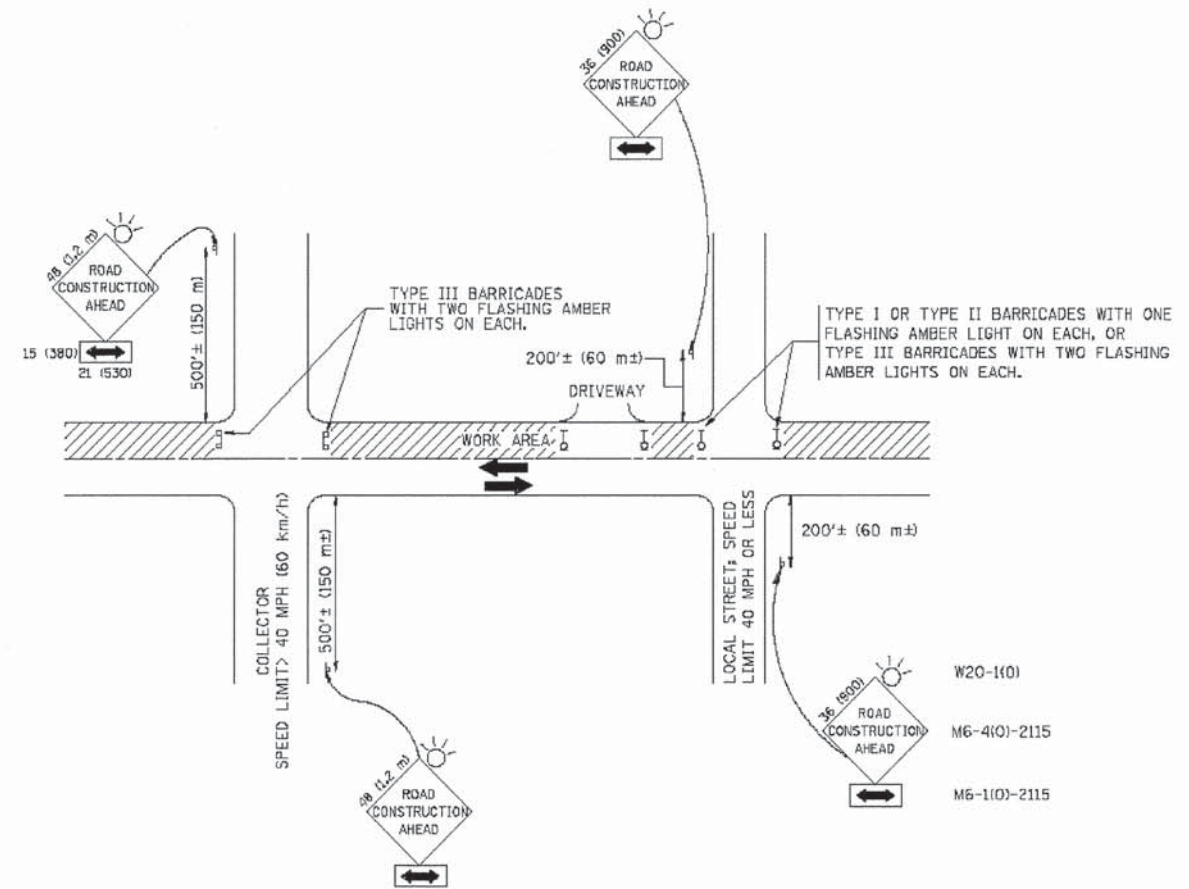
BASIS OF PAYMENT:

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.

FILE NAME =	USER NAME = jalarinoz	DESIGNED M. DE YONG	REVISED - R. SHAH 10-25-94
G:\DIE\1113\Road\Sheets\District Details\045-01-105-00-32.SHT		DRAWN	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 28,000 1/4 in.	CHECKED	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 7/17/2014	DATE 06-13-90	REVISED - R. BORO 01-01-07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	172
CONTRACT NO. 63843			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**
- 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
 - 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.

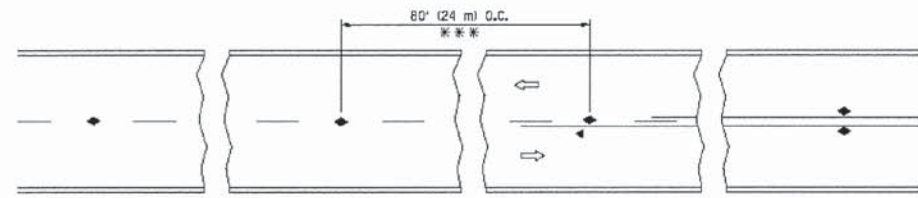
FILE NAME *	USER NAME + jalorinoz	DESIGNED LHA	REVISED - J. OBERLE 10-18-95
Go:\D:\11812\Road\Sheets\District Details\1845-S1-08-75-1837		DRAWN	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 20,000 ' / in.	CHECKED	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 7/17/2014	DATE 06-89	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE - TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS TC-10

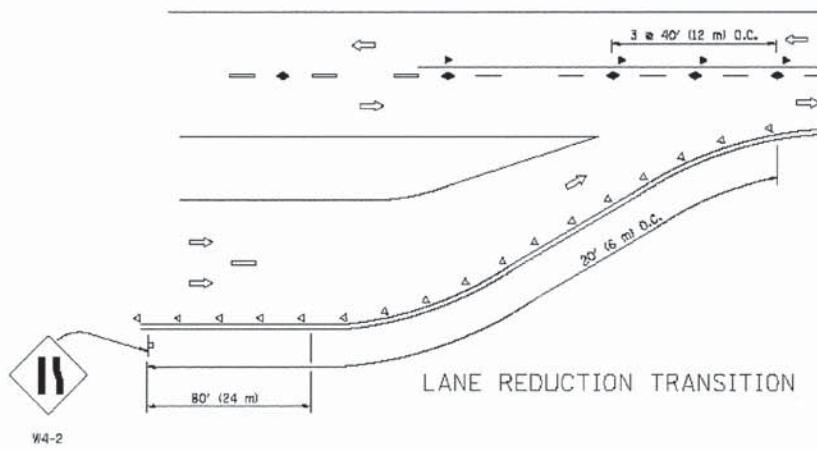
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	174
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	

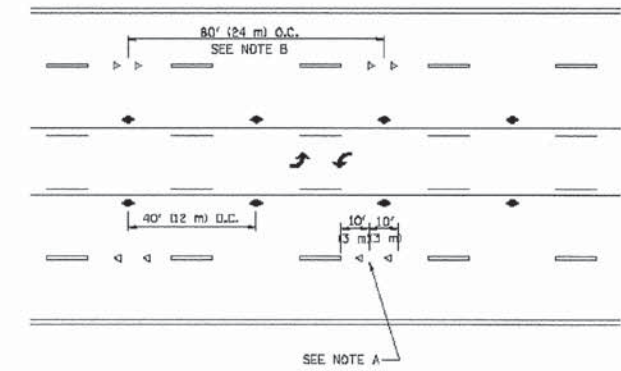


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

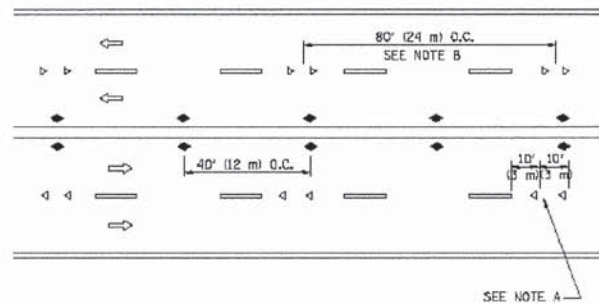
TWO-LANE/TWO-WAY



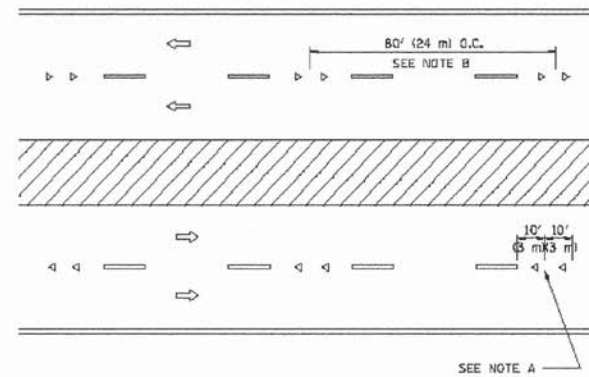
LANE REDUCTION TRANSITION



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

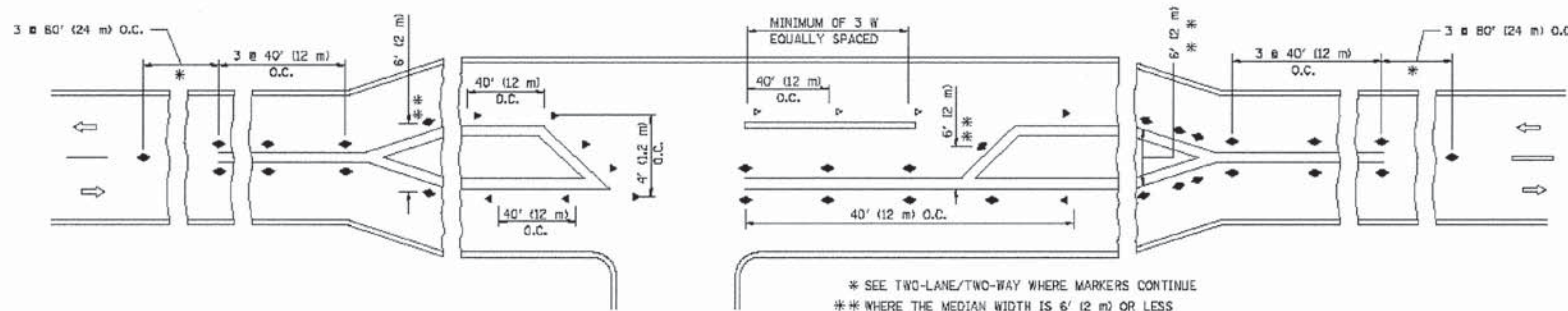
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

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



1475 EAST WOODFIELD ROAD, SUITE 600
 SCHAMBERG, ILLINOIS 60173
 (847) 605-8600

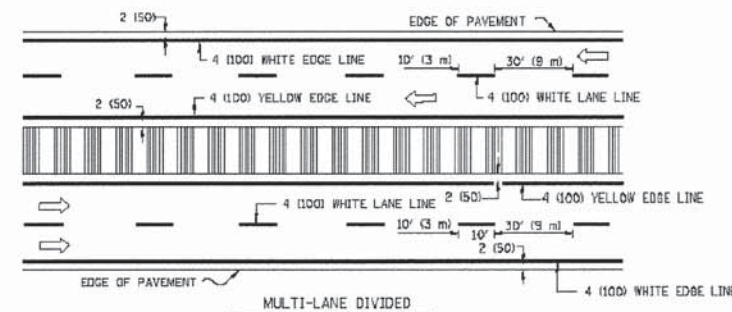
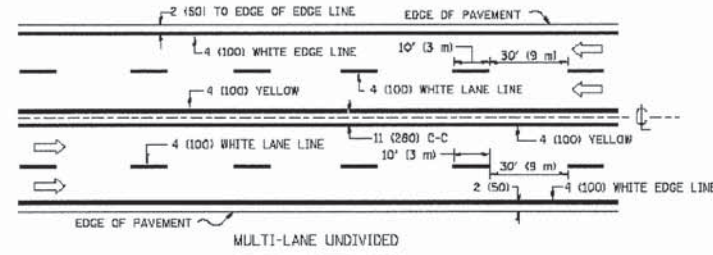
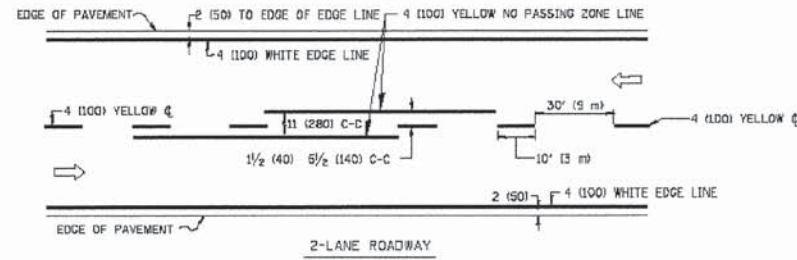
FILE NAME *	USER NAME * jalorinoz	DESIGNED	REVISED -T. RAMMACHER 09-19-94
G:\DRIVE\1\Road\Sheets\District Details\MS-51-117-15-1137		DRAWN	REVISED -T. RAMMACHER 03-12-99
	PLOT SCALE = 28,000 / 1" =	CHECKED	REVISED -T. RAMMACHER 01-06-00
	PLOT DATE = 7/17/2014	DATE	REVISED -C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - TYPICAL APPLICATIONS RAISED REFLECTIVE
 PAVEMENT MARKINGS (SNOW-PLOW RESISTANT) TC-11

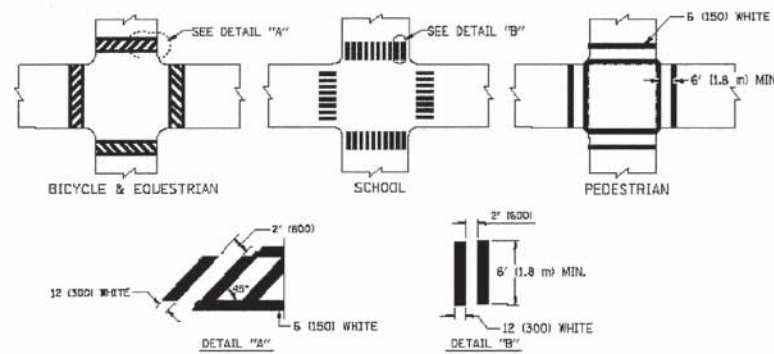
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	175
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	

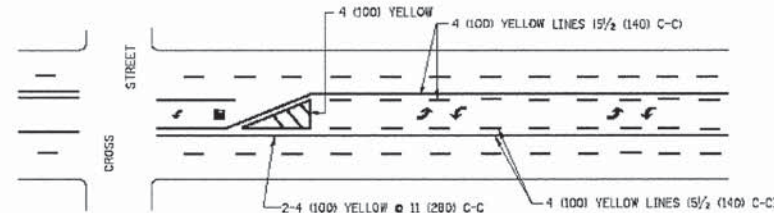
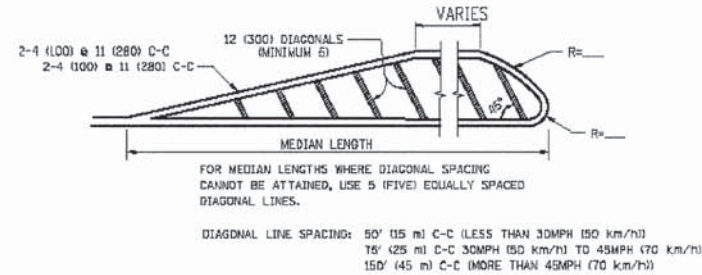
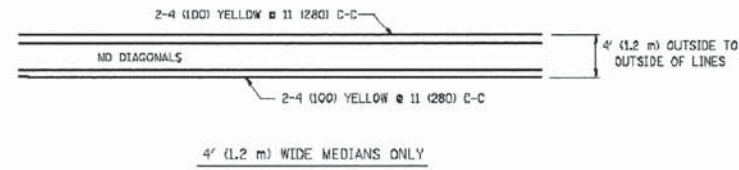


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

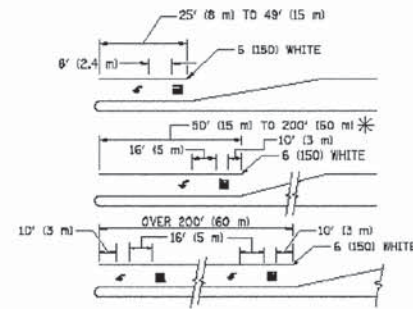


TYPICAL CROSSWALK MARKING



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

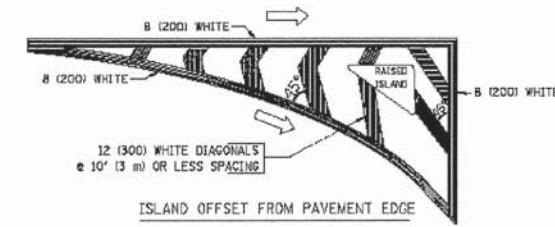
TYPICAL PAINTED MEDIAN MARKING



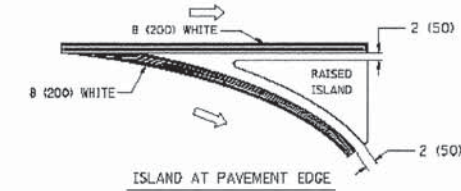
FULL SIZE LETTERS 8' (2.4m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) [Symbol] AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

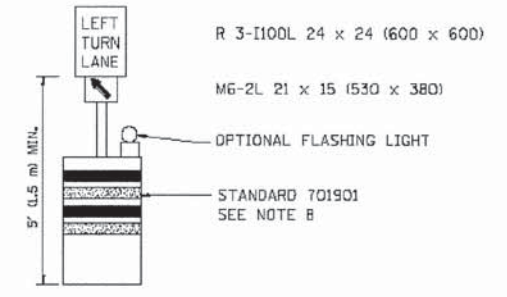
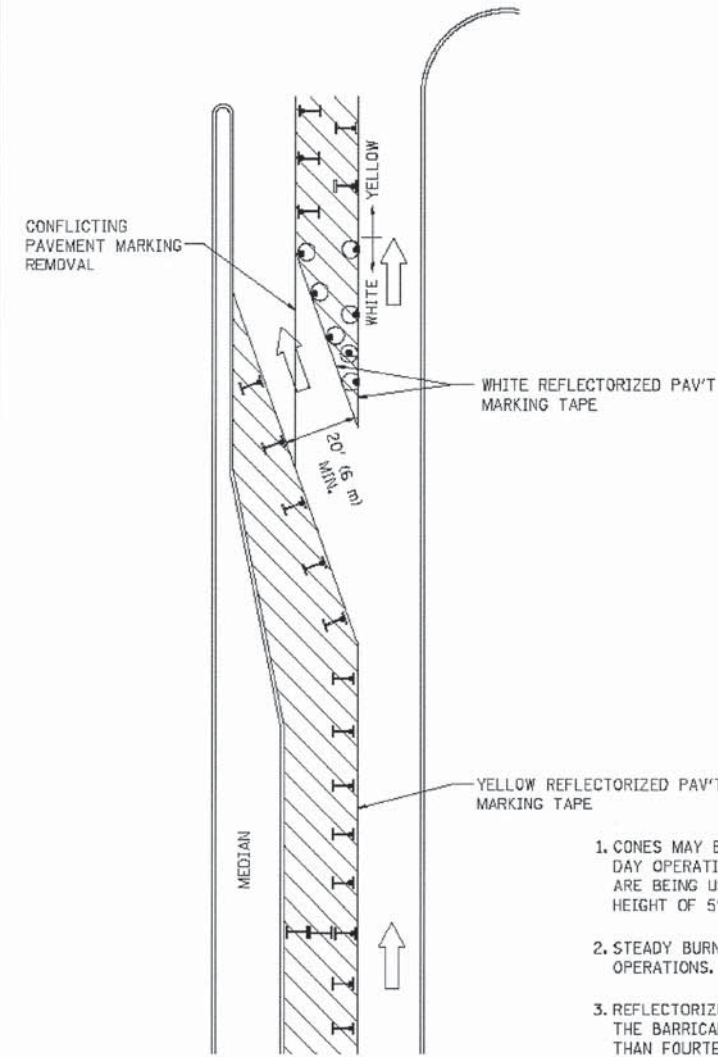
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2' (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 5' (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 1/2' (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STDP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (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 5' (1.8 m) LETTERS; 18 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.8 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

FILE NAME =	USER NAME = jalorinez	DESIGNED EVERS	REVISED -T. RAMMACHER 10-27-94
G:\DHE\BID\Road\Sheets\District Details\845-51-08-15-1331		DRAWN	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 20,000' / in.	CHECKED	REVISED -
	PLOT DATE = 7/17/2014	DATE 03-19-90	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-PP	McHENRY	232	176
CONTRACT NO. 63843			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 NCHR 350 PRELQUIREMENTS.
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 = jalorinez	REVISED T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
G:\01\11117\Road\Sheets\District Details\045-ST-10-15-14.S		REVISED A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 28,000' = 1" = 1000'	REVISED A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 7/17/2014	REVISED T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

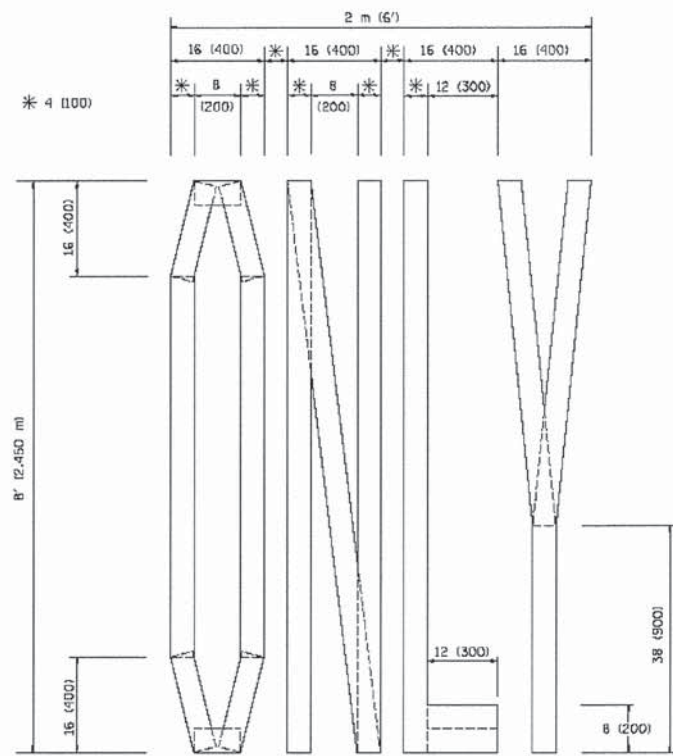
**DISTRICT ONE - TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC) TC-14**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

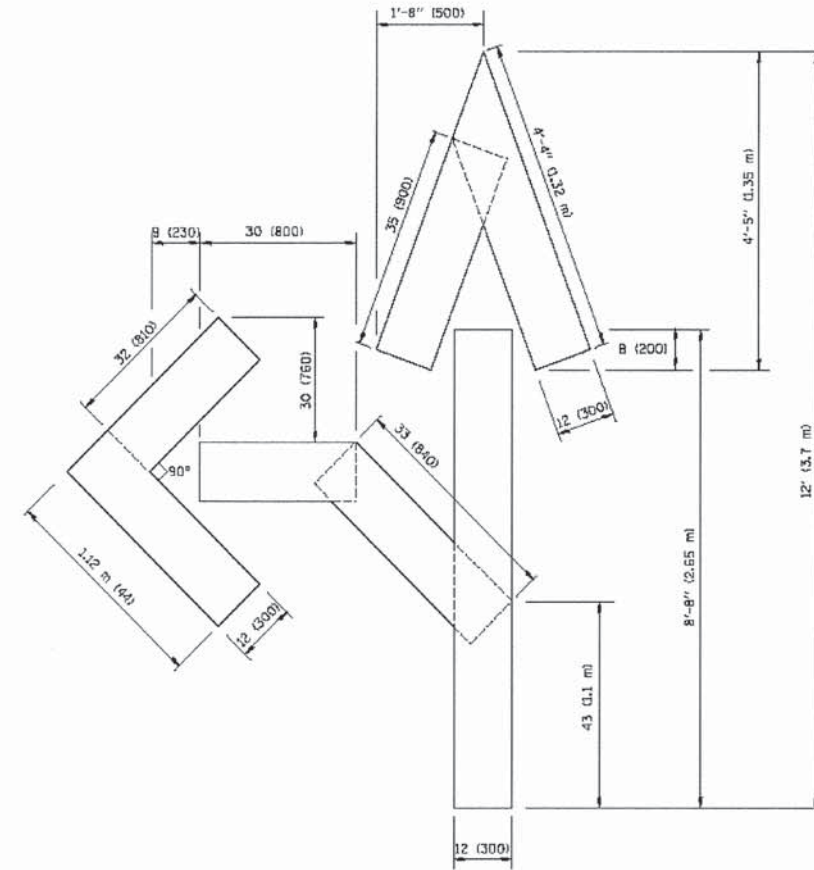
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	177
CONTRACT NO. 63843				
ILLINOIS FED. AID PROJECT				



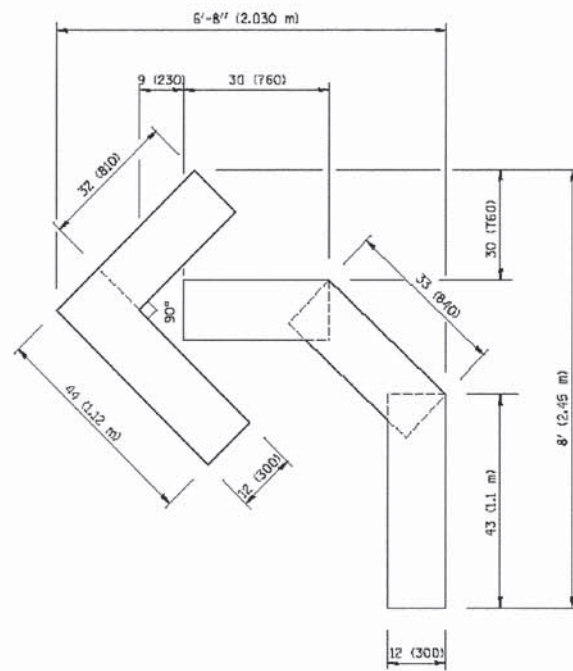
1475 EAST WOODFIELD ROAD, SUITE 600
 SCHAMBERG, ILLINOIS 60173
 (847) 605-9600



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 *	USER NAME = jalarinoz	DESIGNED	REVISED -T. RAMMACHER 06-05-96
G:\D:\113\Road\Sheets\District Details\145-ST-128-75-16.SIT		DRAWN	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 20.000' / 1"	CHECKED	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 7/17/2014	DATE 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

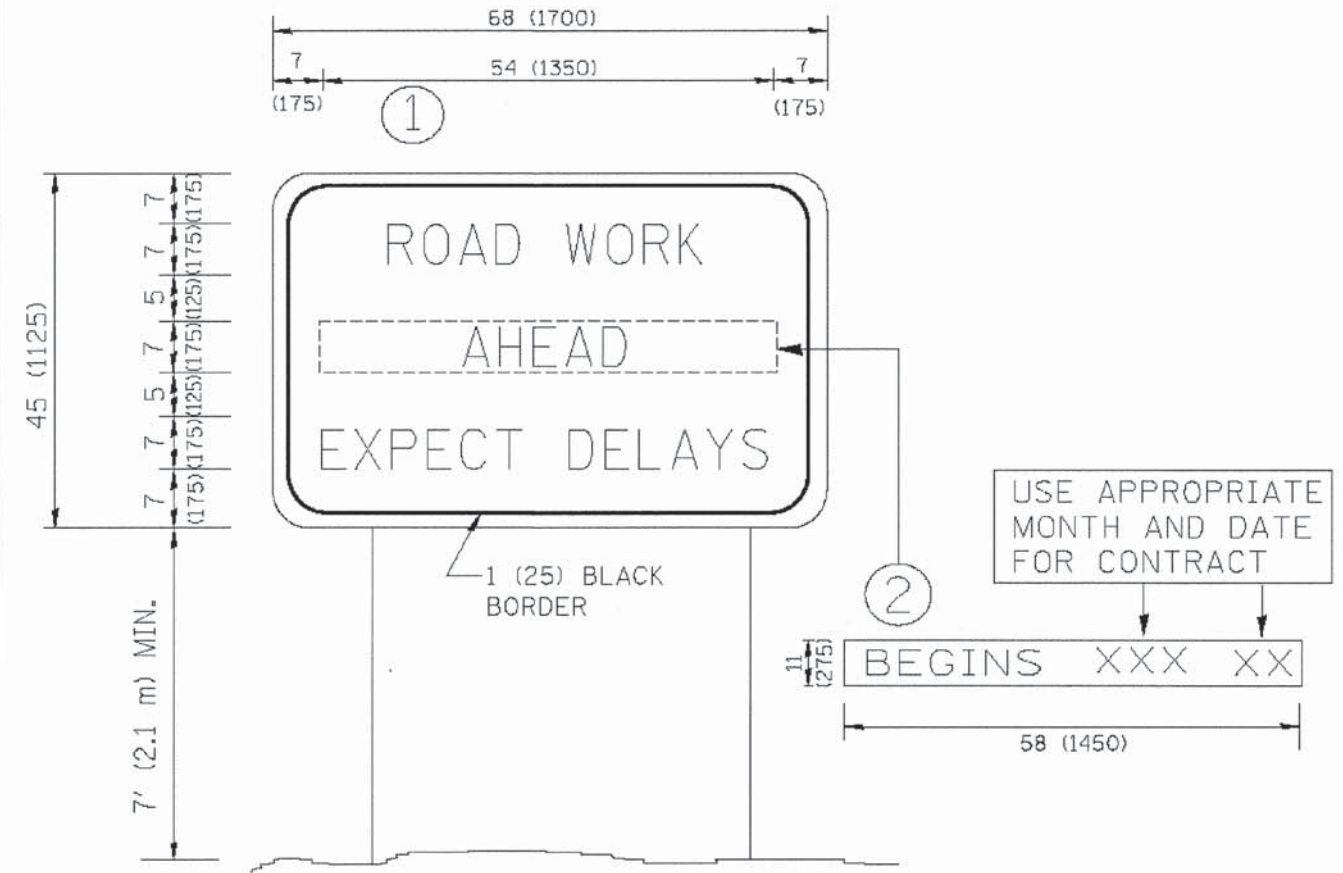
DISTRICT ONE - PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING TC-16

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	McHENRY	232	178
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



1475 EAST WOODFIELD ROAD, SUITE 600
 SCHAUMBURG, ILLINOIS 60173
 (847) 605-9600



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.

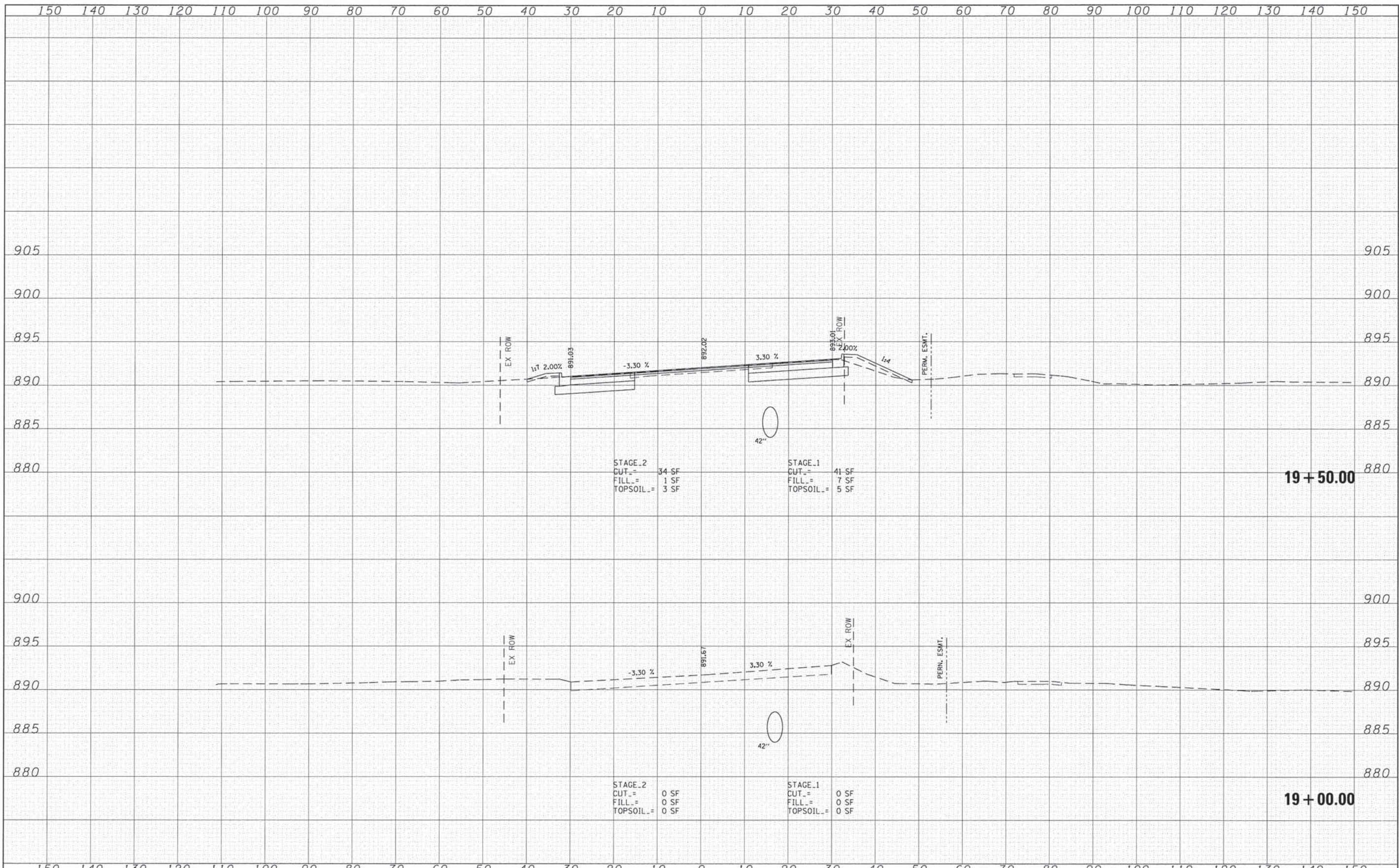
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	PLOT SCALE = 28,000 1" = 1 mi.	CHECKED	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 7/17/2014	DATE	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE - ARTERIAL ROAD INFORMATION SIGN TC-22

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

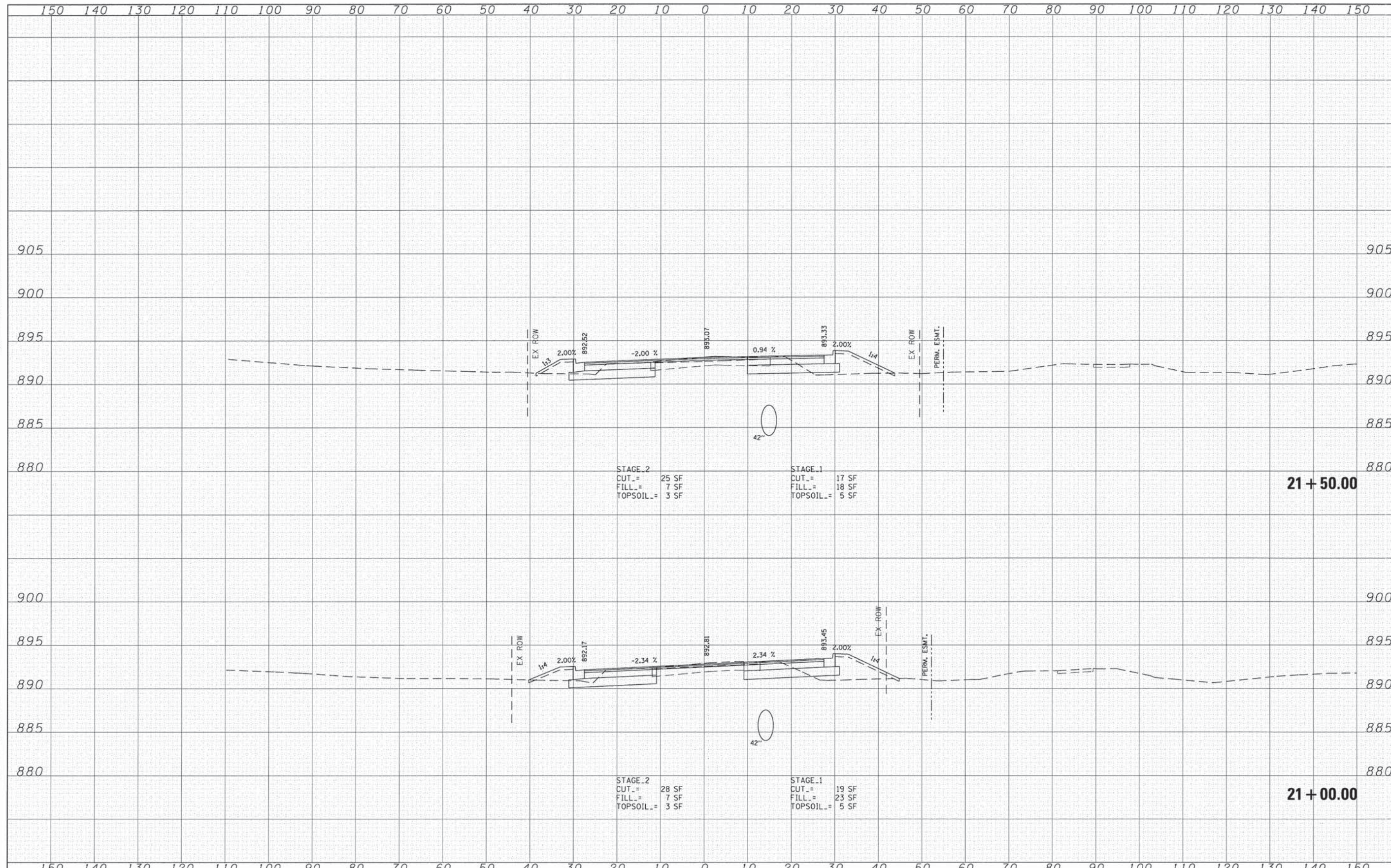
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	08-00106-00-FP	MCHENRY	232	179
CONTRACT NO. 63843			ILLINOIS FED. AID PROJECT	



FINAL SURVEY	DATE
DUPLICATED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
DUPLICATED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

FILE NAME = G:\CH11\0113\Road\Sheets\113K5101.dgn	USER NAME = jlorinez	DESIGNED -	REVISÉ -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PYOTT ROAD - CROSS SECTIONS			F.A.U. R.T.E. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 181
	PLOT SCALE = 10,000' / 1" =	CHECKED -	REVISÉ -		SCALE:	SHEET NO. OF SHEETS	STA. 19+00.00 TO STA. 19+50.00	CONTRACT NO. 63843				
	PLOT DATE = 7/17/2014	DATE -	REVISÉ -		ILLINOIS FED. AID PROJECT							



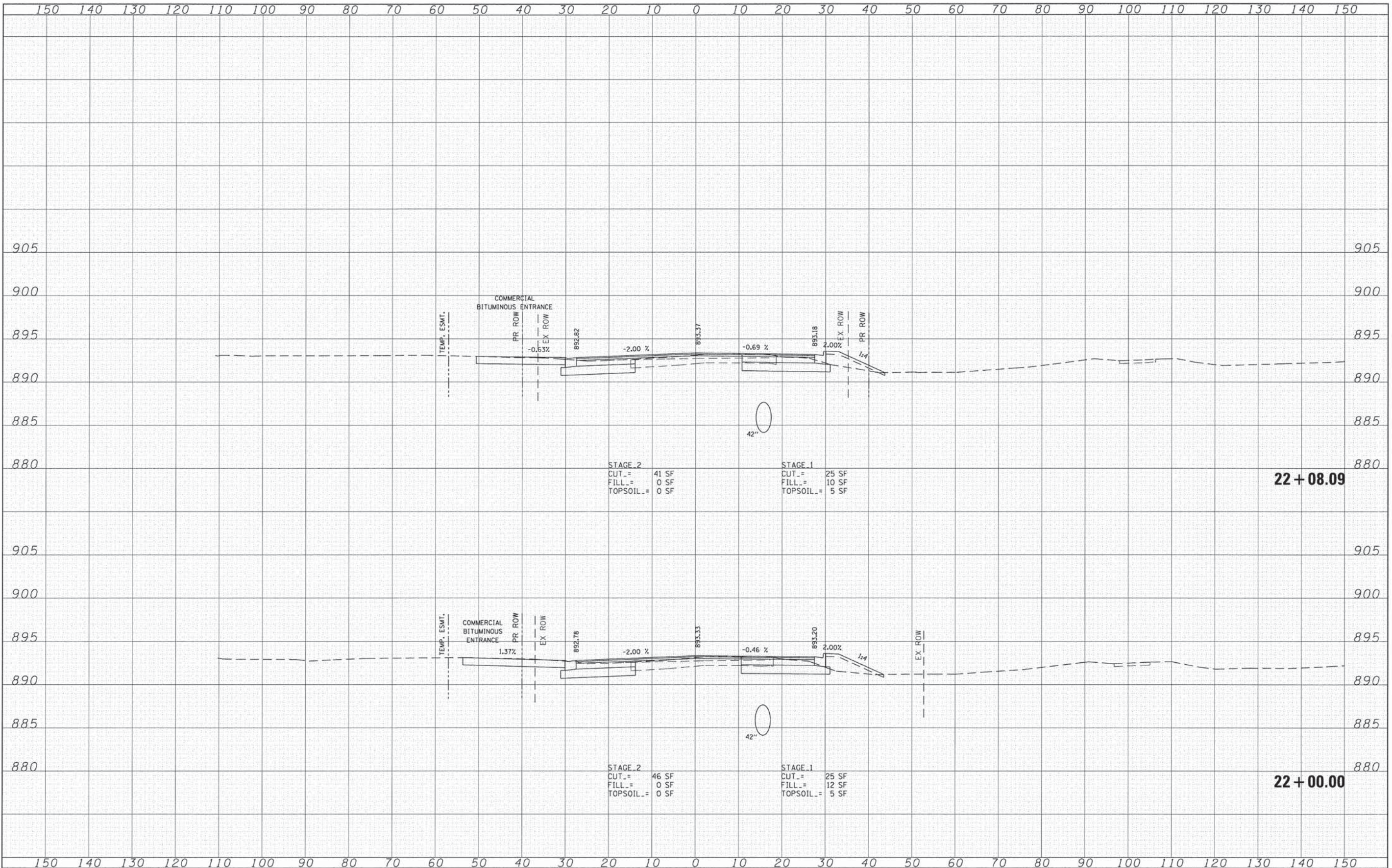
FINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	
NO. _____	
USING/REVISED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	
NO. _____	
USING/REVISED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

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	PLOT SCALE = 10,000' / 1" =	CHECKED -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA. 21+00.00	TO STA. 21+50.00	CONTRACT NO. 63843		
	PLOT DATE = 7/17/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
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FINAL SURVEY	
SURVEYED	
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NOTE BOOK	
NO.	
AREAS CHECKED	

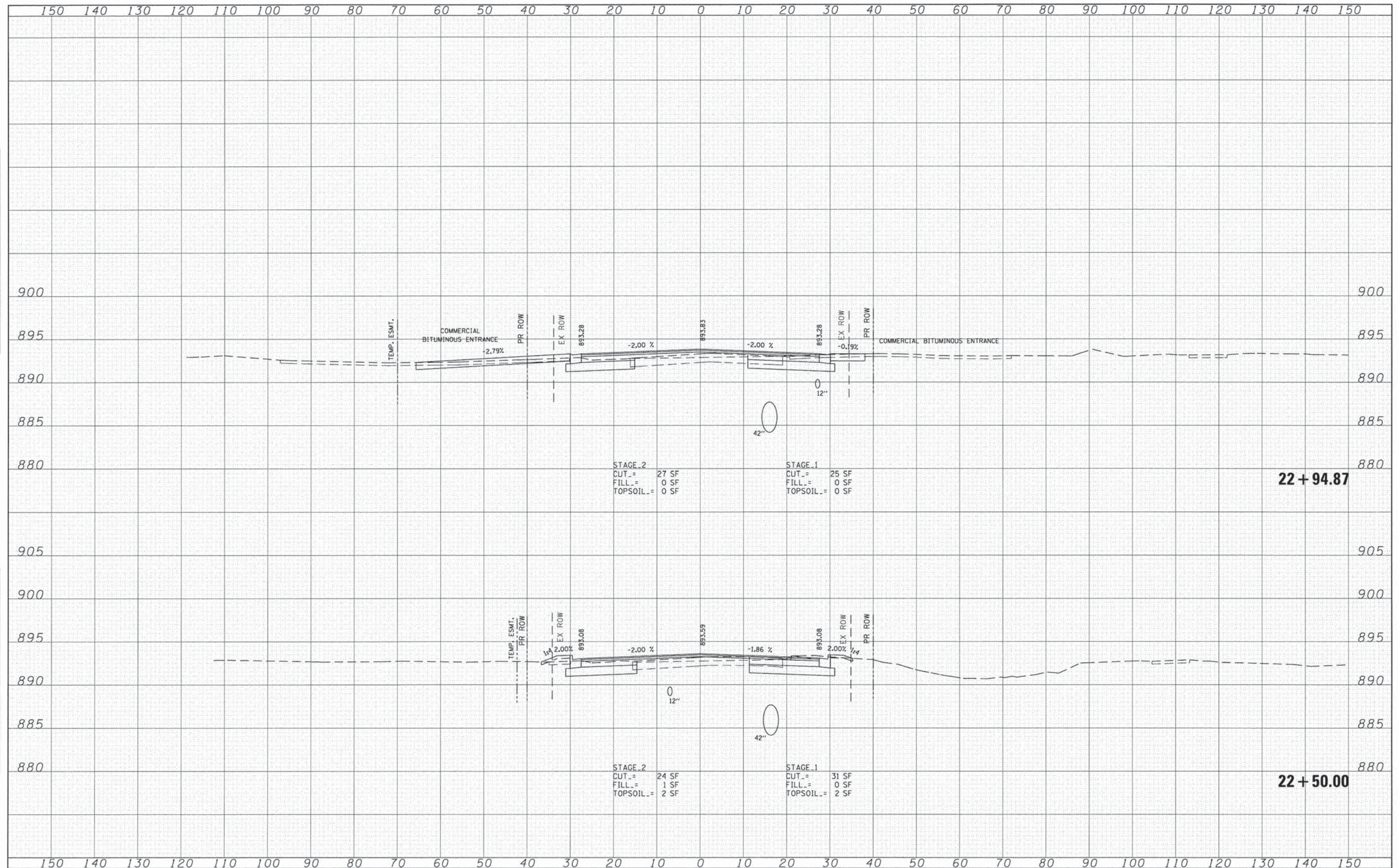
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BY	
ORIGINAL SURVEY	
SURVEYED	
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NOTE BOOK	
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AREAS CHECKED	



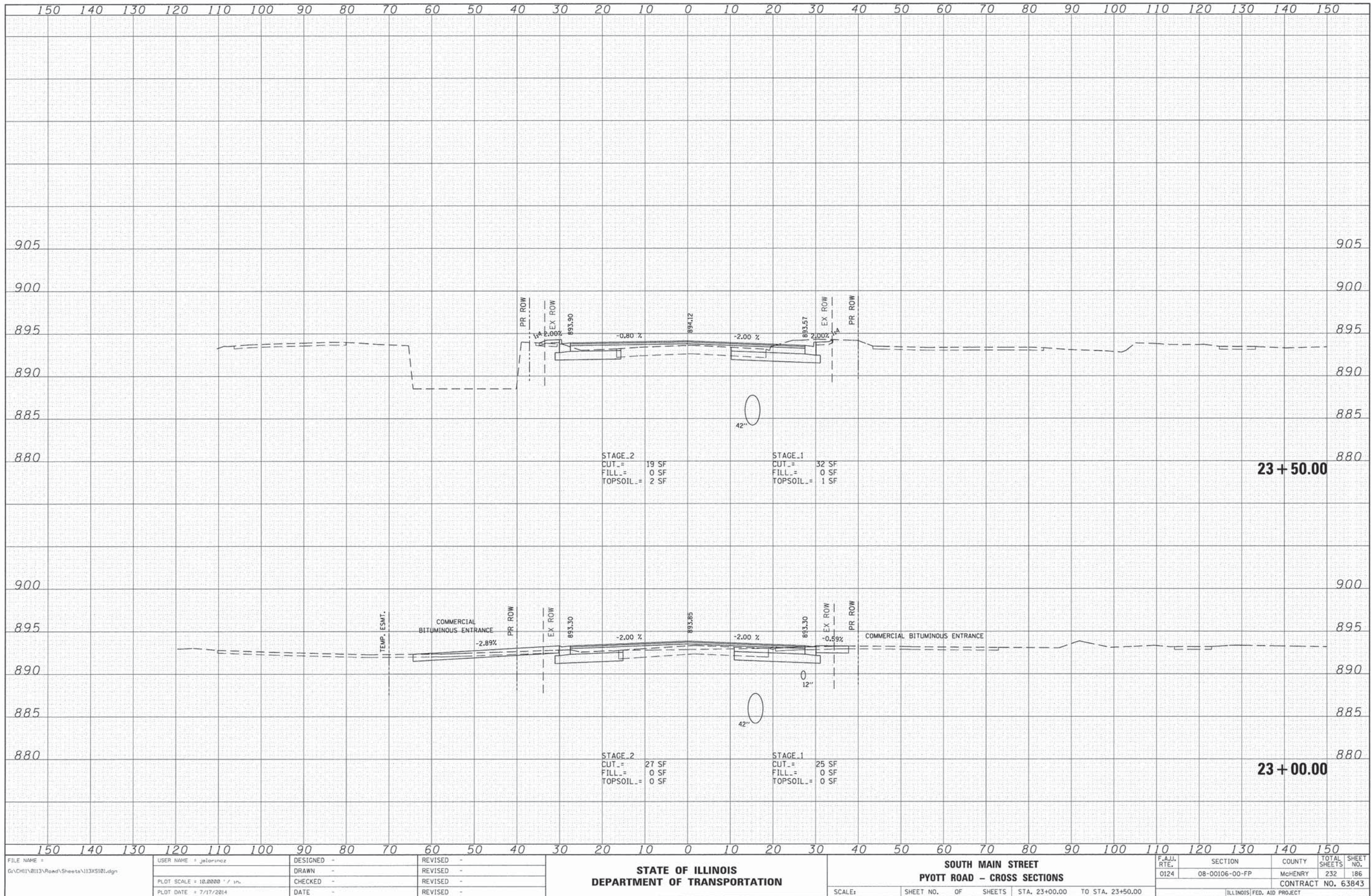
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G:\CH11\0113\Road\Sheets\113X5101.dgn		DRAWN -	REVISED -					0124	08-00106-00-FP	McHENRY	232	184
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -								CONTRACT NO. 63843	
	PLOT DATE = 7/17/2014	DATE -	REVISED -			SCALE:		SHEET NO. OF SHEETS		STA. 22+00.00 TO STA. 22+08.09		ILLINOIS FED. AID PROJECT

FINAL SURVEY	DATE
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	

ORIGINAL SURVEY	DATE
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DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
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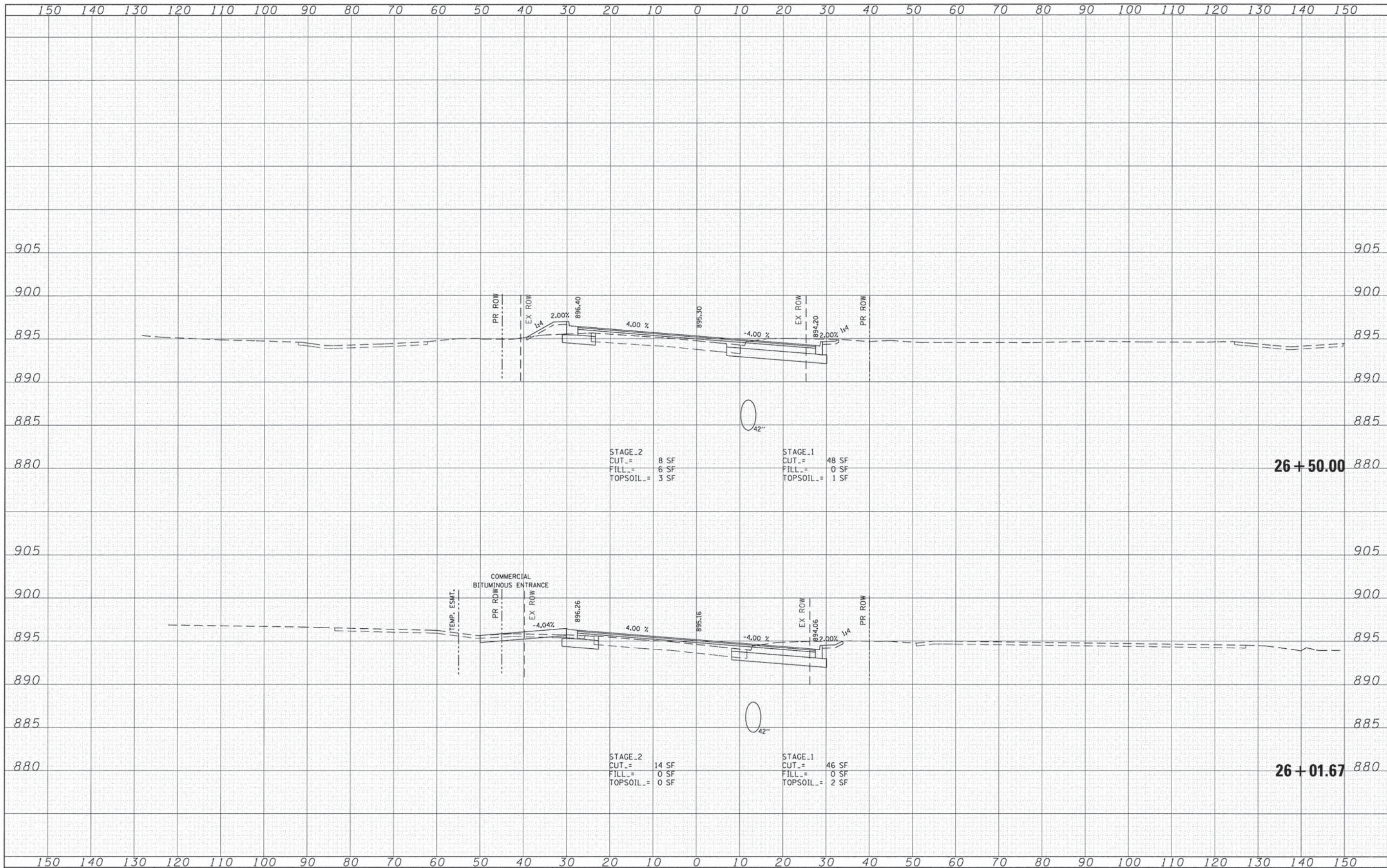
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Gr:\CH11\0113\Road\Sheets\113x5101.dgn		DRAWN -	REVISED -		0124	08-00106-00-FP	McHENRY	232	185			
PLOT SCALE = 1/8" = 10'-0"		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 22+50.00 TO STA. 22+94.87			CONTRACT NO. 63843				
PLOT DATE = 7/17/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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

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

FILE NAME =	USER NAME = jalarinoz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PYOTT ROAD - CROSS SECTIONS			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Ge\CHI\0113\Road\Sheets\113X5101.dgn		DRAWN -	REVISED -		0124	08-00106-00-FP	McHENRY	232	186			
PLOT SCALE = 10.0000' / 1" =		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 23+00.00 TO STA. 23+50.00			CONTRACT NO. 63843				
PLOT DATE = 7/17/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



STAGE_2
 CUT_ = 8 SF
 FILL_ = 6 SF
 TOPSOIL_ = 3 SF

STAGE_1
 CUT_ = 48 SF
 FILL_ = 0 SF
 TOPSOIL_ = 1 SF

26 + 50.00

STAGE_2
 CUT_ = 14 SF
 FILL_ = 0 SF
 TOPSOIL_ = 0 SF

STAGE_1
 CUT_ = 46 SF
 FILL_ = 0 SF
 TOPSOIL_ = 2 SF

26 + 01.67

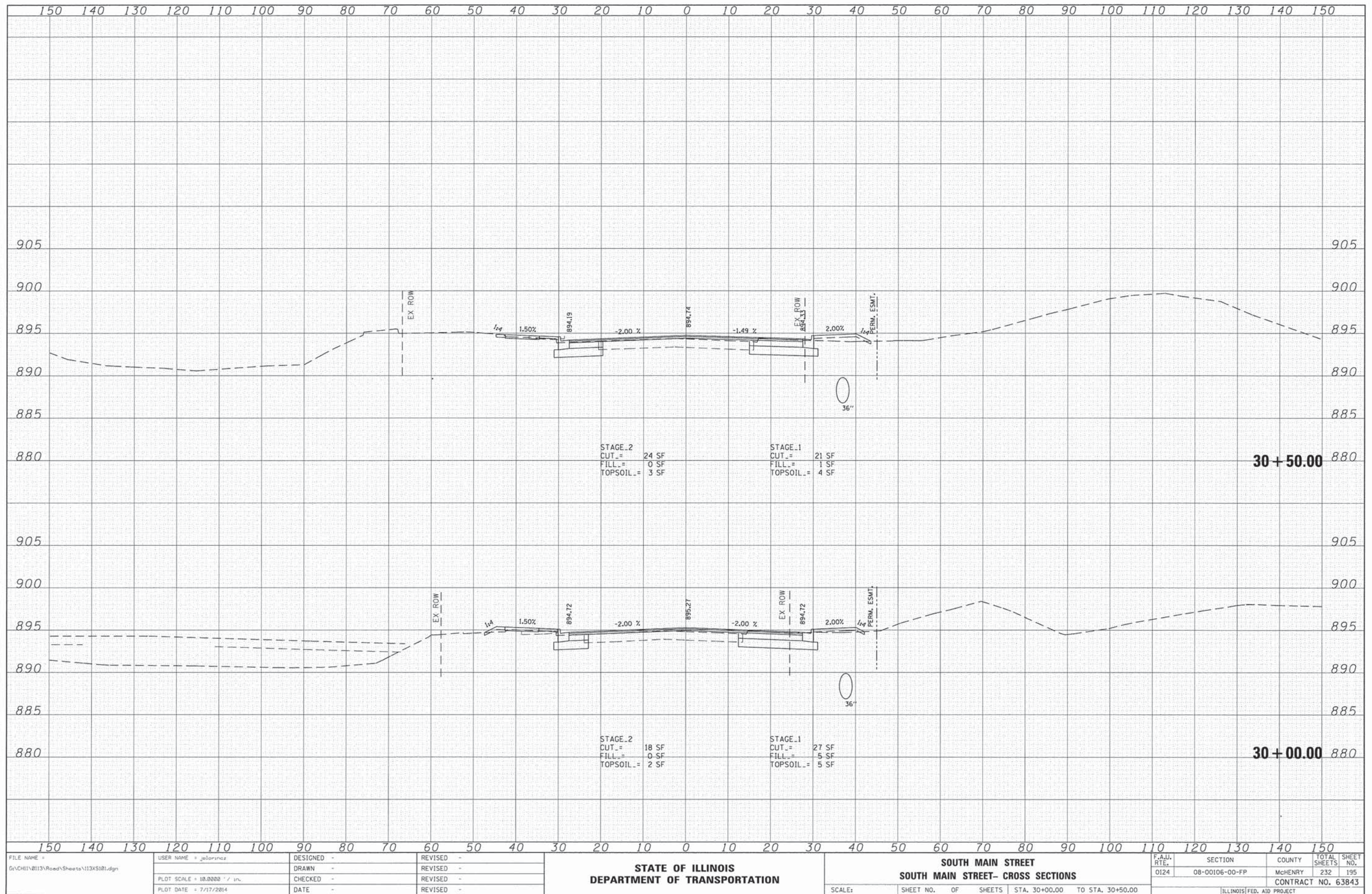
DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

FILE NAME : G:\CH11\0113\Road\Sheets\113X5101.dgn	USER NAME : jmlorncz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET PYOTT ROAD - CROSS SECTIONS			F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY McHENRY	TOTAL SHEETS 232	SHEET NO. 190
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 26+01.67	TO STA. 26+50.00	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 7/17/2014	DATE -	REVISED -		CONTRACT NO. 63843							

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

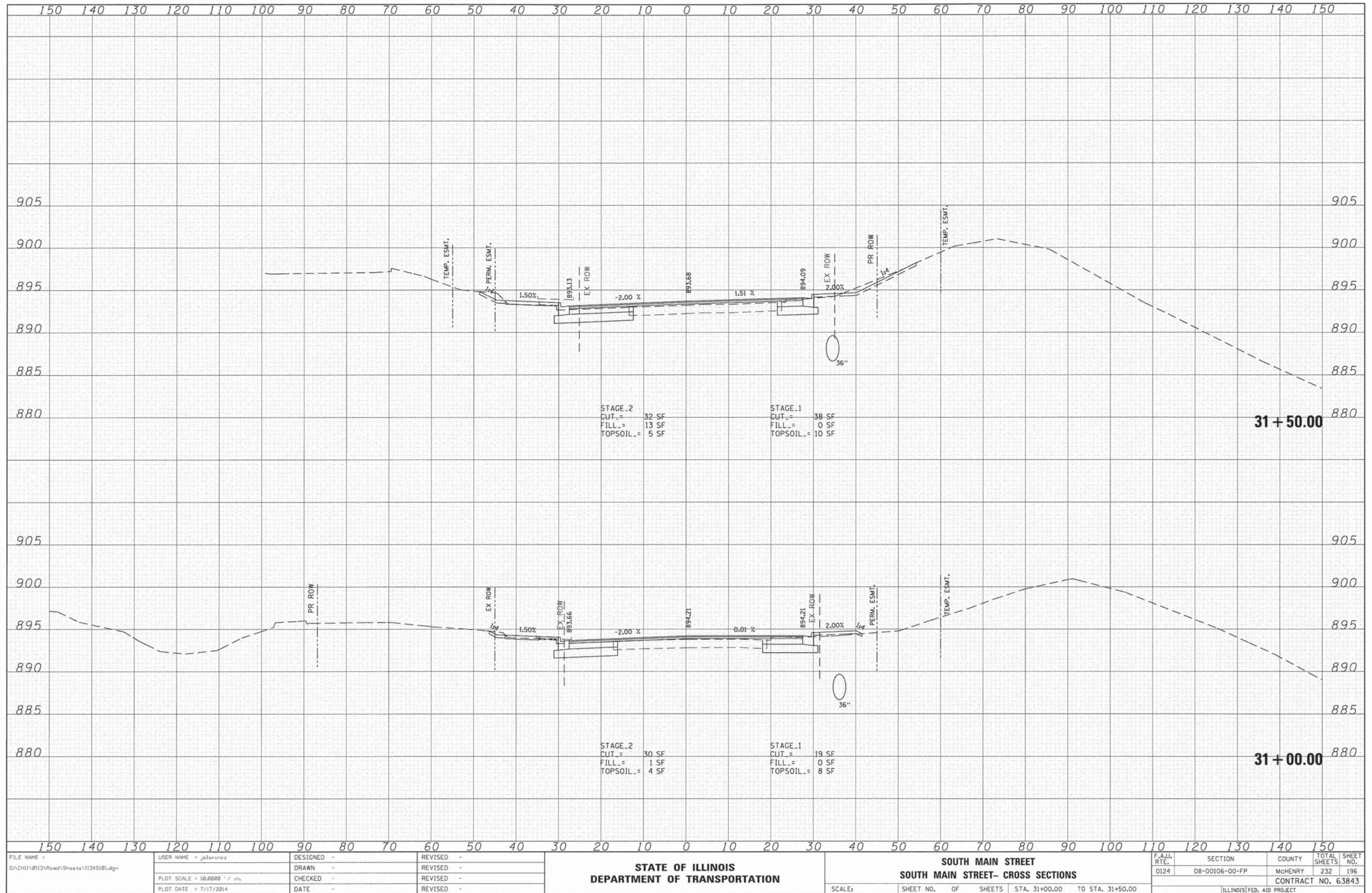
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME = G:\CH11\0113\Road\Sheets\113X5101.dgn	USER NAME = jalvarez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET SOUTH MAIN STREET- CROSS SECTIONS			F.A.U. RTE. 0124	SECTION 08-00106-00-FP	COUNTY MCHENRY	TOTAL SHEETS 232	SHEET NO. 195
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 30+00.00 TO STA. 30+50.00	CONTRACT NO. 63843				
PLOT DATE = 7/17/2014	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
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DESIGNED	
DRAWN	
CHECKED	
DATE	

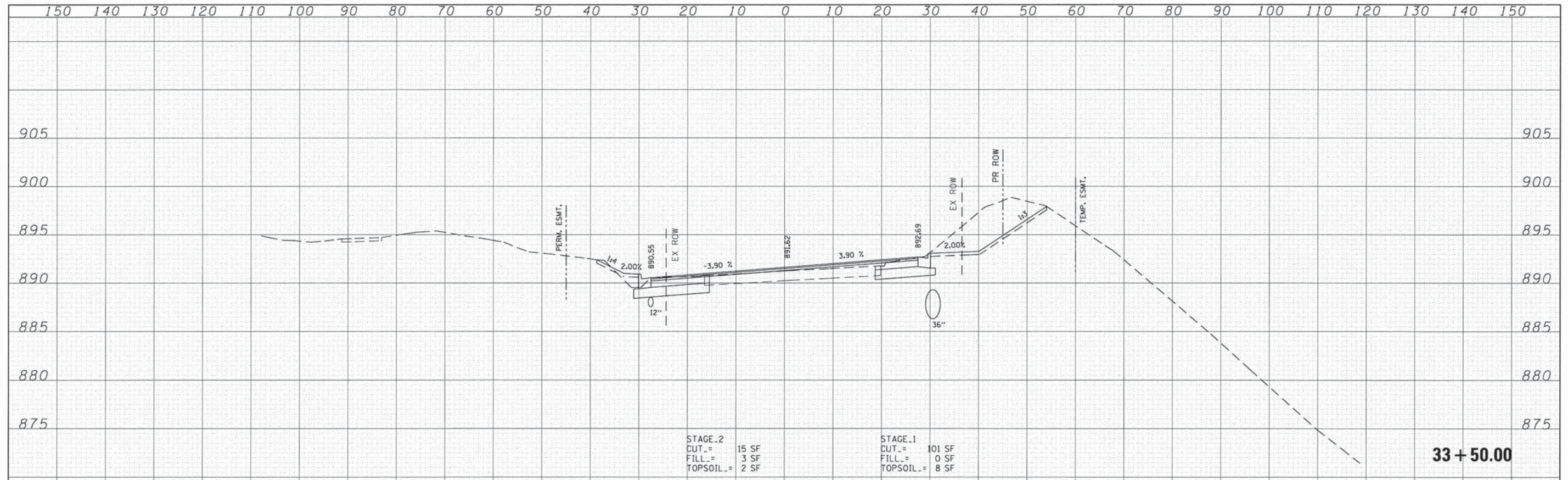
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
DESIGNED	
DRAWN	
CHECKED	
DATE	



FILE NAME = G:\CH11\0113\Road\Sheets\113x5101.dgn	USER NAME = jatornez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET SOUTH MAIN STREET- CROSS SECTIONS				F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 10.0000' / 1"		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 31+00.00	TO STA. 31+50.00	0124	08-00106-00-FP	McHENRY	232	196
PLOT DATE = 7/17/2014		CHECKED -	REVISED -												CONTRACT NO. 63843
		DATE -	REVISED -												ILLINOIS FED. AID PROJECT

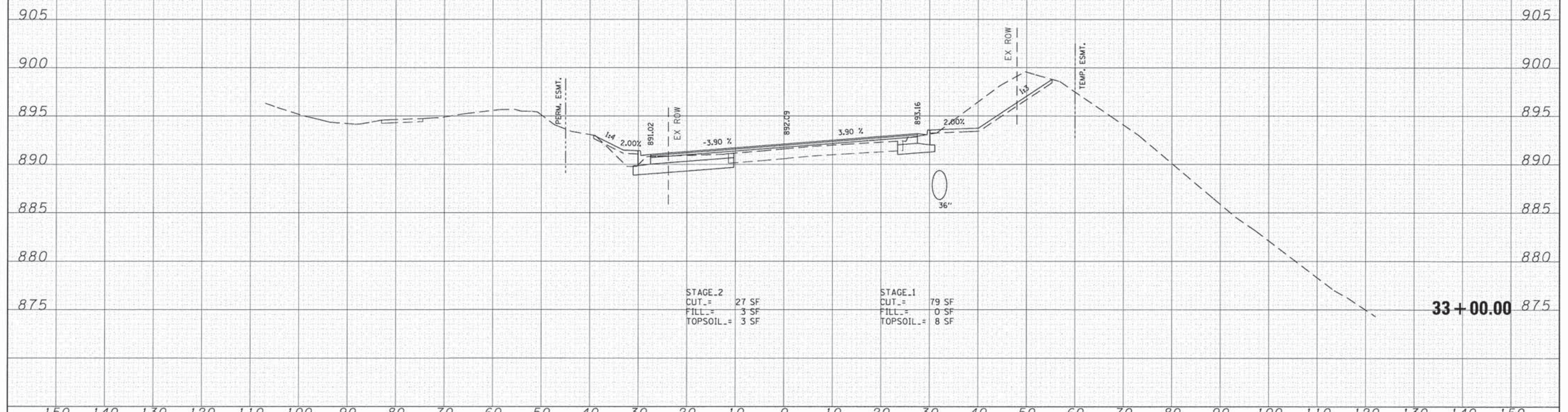
DATE	
BY	
FINAL SURVEY	
NOTE BOOK NO.	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK NO.	
DESIGNED	
DRAWN	
CHECKED	
DATE	



STAGE 2		STAGE 1	
CUT_ =	15 SF	CUT_ =	101 SF
FILL_ =	3 SF	FILL_ =	0 SF
TOPSOIL_ =	2 SF	TOPSOIL_ =	8 SF

33 + 50.00



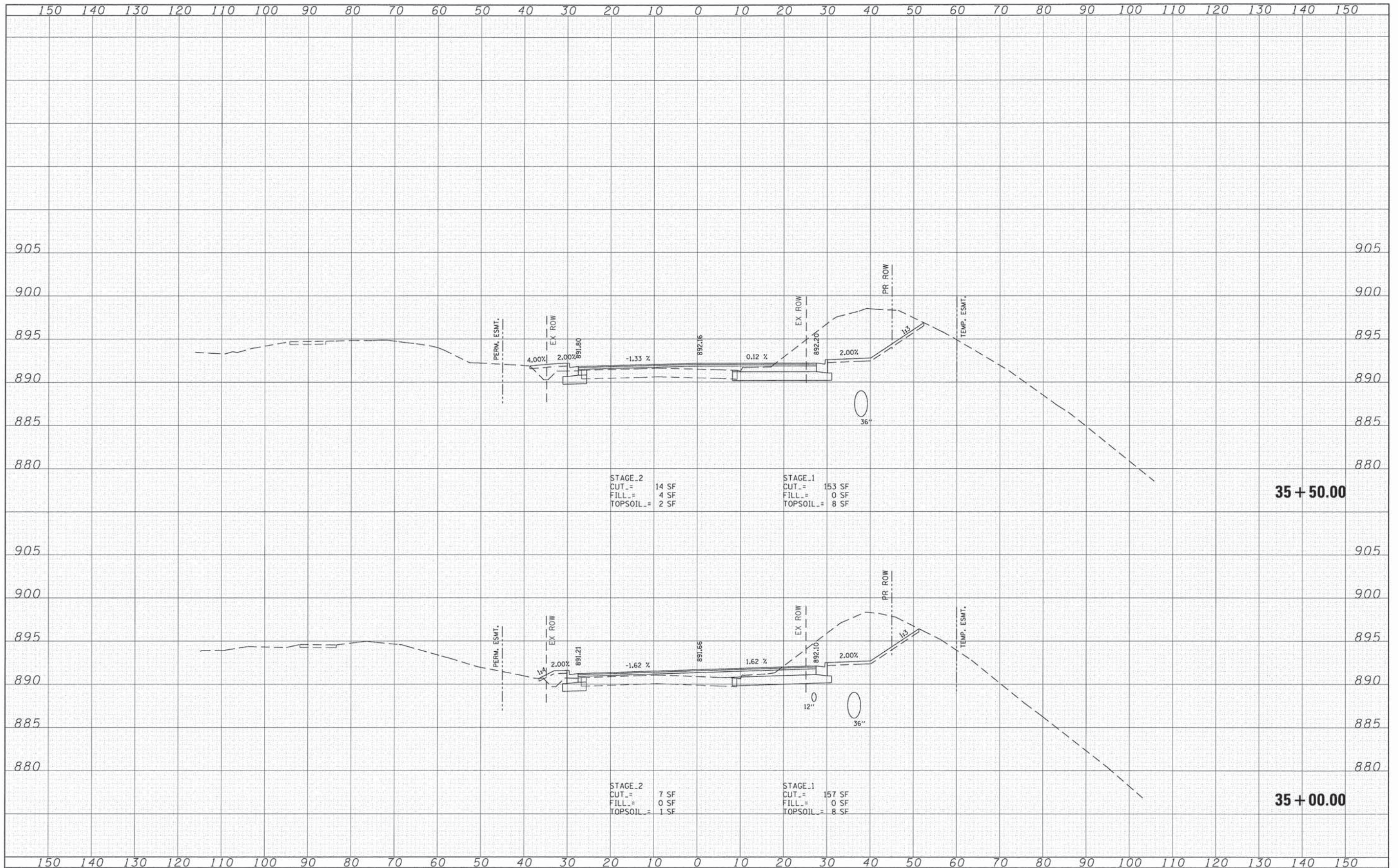
STAGE 2		STAGE 1	
CUT_ =	27 SF	CUT_ =	79 SF
FILL_ =	3 SF	FILL_ =	0 SF
TOPSOIL_ =	3 SF	TOPSOIL_ =	8 SF

33 + 00.00

FILE NAME = G:\CH11\0113\Road\Sheets\113X5101.dgn	USER NAME = jlorioz	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH MAIN STREET SOUTH MAIN STREET- CROSS SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
PLOT SCALE = 18,0000' / in.	CHECKED -	REVISD -	REVISD -		SCALE:	SHEET NO.	OF	SHEETS	STA. 33+00.00	TO STA. 33+50.00	0124	08-00106-00-FP	MCHEMRY	232	198
PLOT DATE = 7/17/2014	DATE -	REVISD -	REVISD -		CONTRACT NO. 63843										
											ILLINOIS FED. AID PROJECT				

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

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



STAGE 2
 CUT = 14 SF
 FILL = 4 SF
 TOPSOIL = 2 SF

STAGE 1
 CUT = 153 SF
 FILL = 0 SF
 TOPSOIL = 8 SF

STAGE 2
 CUT = 7 SF
 FILL = 0 SF
 TOPSOIL = 1 SF

STAGE 1
 CUT = 157 SF
 FILL = 0 SF
 TOPSOIL = 8 SF

FILE NAME = G:\CH11\0113\Road\Sheets\113XS101.dgn	USER NAME = jelorsncz	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SOUTH MAIN STREET SOUTH MAIN STREET- CROSS SECTIONS		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 18.0000' / in.	CHECKED -	REVISOR -	0124					08-00106-00-FP	McHENRY	232	200	
PLOT DATE = 7/17/2014	DATE -	REVISOR -	CONTRACT NO. 63843									
								[ILLINOIS] FED. AID PROJECT				