

PART OF THE SE 1/4 OF SEC. 20, TWP. 44 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
1060061	Eric R. Lecuyer and Anne F. Lecuyer, as trustees under the Anne F. Lecuyer 1998 Living Trust	0.836	0.016	N/A	0.820	N/A	N/A	14-20-426-009	
1060062	Robert I. Carmody and Michele M. Carmody, husband and wife, not as joint tenants or as tenants in common, but as tenants by the entirety	0.808	0.018	N/A	0.790	N/A	N/A	14-20-426-008	

**LEGEND**

SECTION CORNER 16 15 QUARTER SECTION CORNER

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

APPEARANT PROPERTY LINE  
CENTER LINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED EASEMENT LINE  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA

EXISTING BUILDING

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

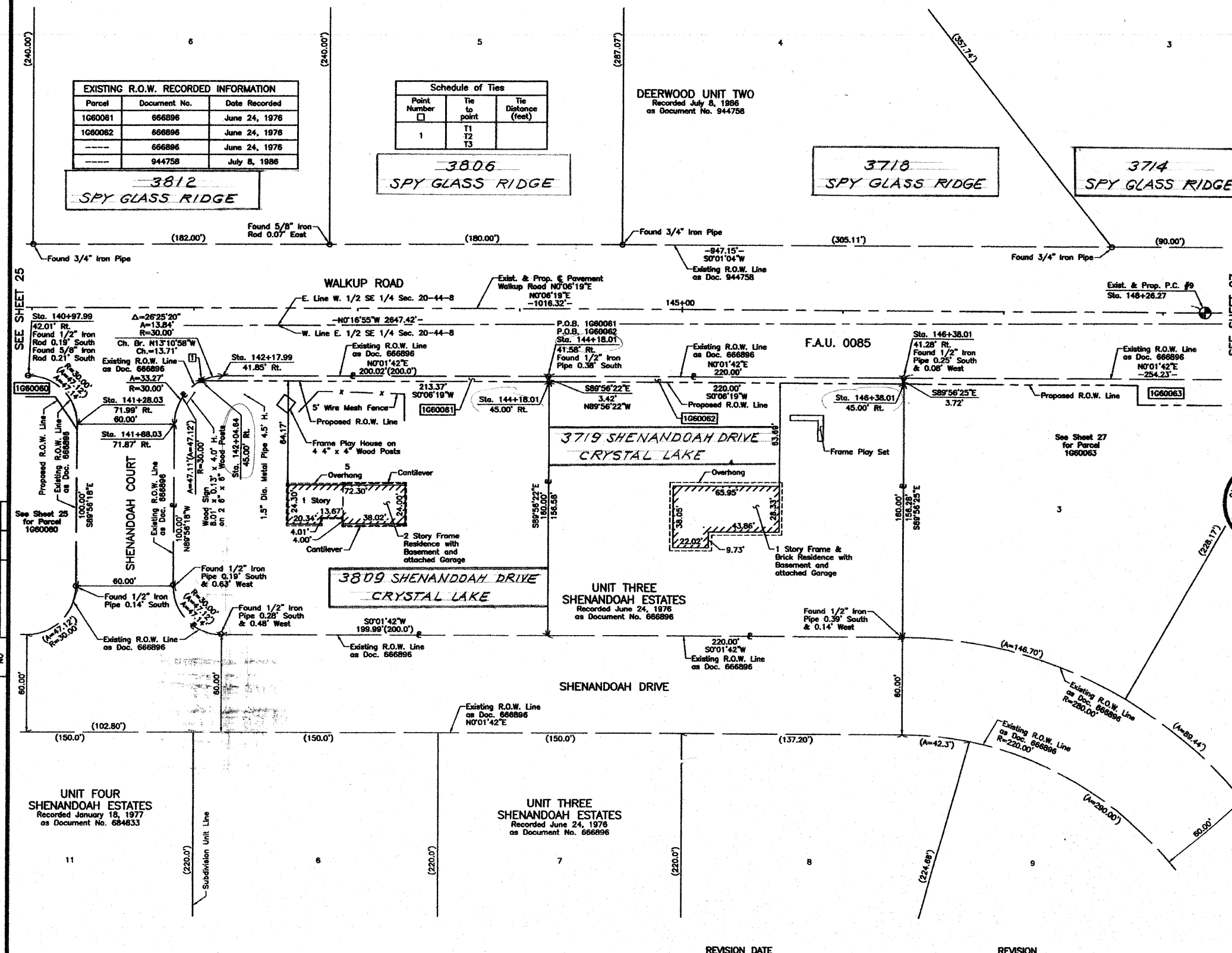
IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET  
T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
T2  
T3  
BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE 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.  
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 PROPOSED TO BE SET.

**EXISTING R.O.W. RECORDED INFORMATION**

Parcel	Document No.	Date Recorded
1060061	666896	June 24, 1976
1060062	666896	June 24, 1976
	666896	June 24, 1976
	944758	July 8, 1986

**Schedule of Ties**

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	



STATE OF ILLINOIS }  
COUNTY OF LAKE }  
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 164-2771, 444 N. RANGE BL., 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, 2008  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
140+97.99	42.01' RL	2,042,150.120	987,664.206
141+28.03	71.99' RL	2,042,180.105	987,694.236
141+88.03	71.87' RL	2,042,240.105	987,694.233
142+04.64	45.00' RL	2,042,256.769	987,667.393
142+17.99	41.85' RL	2,042,270.120	987,664.266
144+18.01	41.58' RL	2,042,470.140	987,664.364
144+18.01	45.00' RL	2,042,470.136	987,667.785
146+38.01	41.28' RL	2,042,690.142	987,664.473
146+38.01	45.00' RL	2,042,690.136	987,668.189

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. 0085 (WALKUP ROAD)  
SECTION 00-00246-00-FP McHENRY COUNTY  
PROJECT JOB NO. R-91-006-06  
STATION 141+00 TO STATION 149+00  
SCALE: 1"=30' SHEET 26 OF 24

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

BY	DATE	REVISION

PART OF THE SE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Existing & Proposed Pavement & Walkup Road Curve #9

P.I. = Sta. 153+29.67  
 Δ = 0°30'12"  
 R = 114591.56'  
 T = 503.40'  
 L = 1006.81'  
 P.C. = Sta. 148+26.27  
 P.T. = Sta. 158+33.08

Parcel	Document No.	Date Recorded
1G60063	666896	June 24, 1976
1G60064	666896	June 24, 1976
1G60065	666896	June 24, 1976
1G60066	884046	June 19, 1984
-----	193783	July 31, 1946
-----	666896	June 24, 1976
-----	666896	June 24, 1976
-----	884046	June 19, 1984
-----	944758	July 8, 1986

**LEGEND**

SECTION CORNER 16 SECTION CORNER 15

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

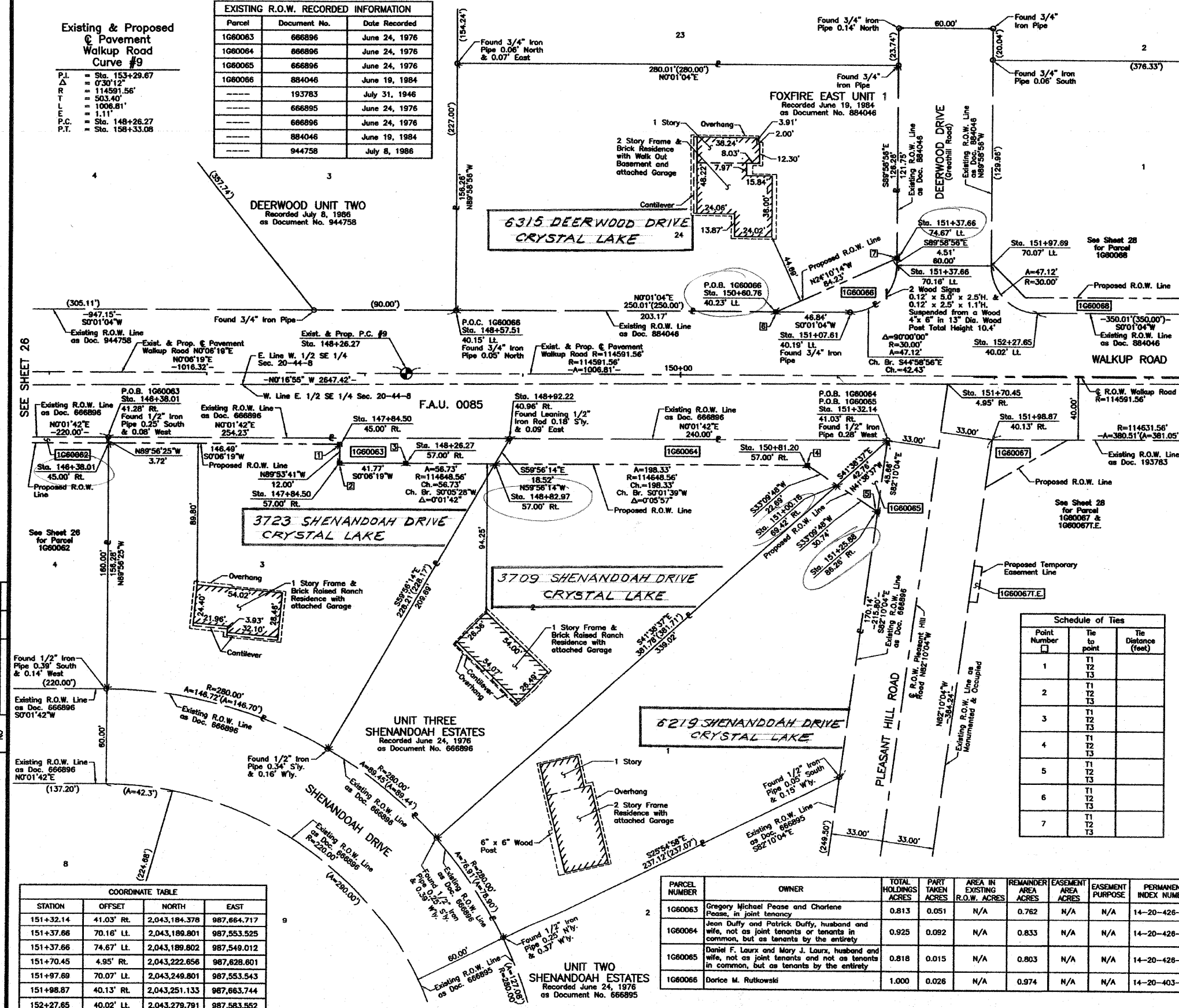
ACL  
 APPARENT PROPERTY LINE  
 CENTER LINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

EXISTING BUILDING

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

○ IRON PIPE OR ROD FOUND  
 + CUT CROSS FOUND OR 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.  
 ● 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.  
 ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKERS 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 IRON 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 IN SECTION 20, TOWNSHIP 44N., 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, 2008  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**Schedule of Ties**

Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	
3	T1	
	T2	
	T3	
4	T1	
	T2	
	T3	
5	T1	
	T2	
	T3	
6	T1	
	T2	
	T3	
7	T1	
	T2	
	T3	

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
146+38.01	41.28' RL	2,042,690.142	987,664.473
146+38.01	45.00' RL	2,042,690.138	987,668.189
147+84.50	45.00' RL	2,042,836.626	987,668.459
147+84.50	57.00' RL	2,042,836.604	987,680.459
148+26.27	57.00' RL	2,042,878.373	987,680.535
148+57.51	40.15' LL	2,042,909.780	987,583.438
148+82.97	57.00' RL	2,042,935.098	987,680.626
148+92.22	40.96' RL	2,042,944.375	987,664.598
150+60.76	40.23' LL	2,043,112.954	987,583.501
150+81.20	57.00' RL	2,043,133.424	987,680.720
151+00.18	69.42' RL	2,043,152.420	987,693.134
151+07.61	40.19' LL	2,043,159.791	987,583.516
151+25.88	86.26' RL	2,043,178.156	987,709.951

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
151+32.14	41.03' RL	2,043,184.378	987,664.717
151+37.66	70.16' LL	2,043,189.801	987,553.525
151+37.66	74.67' LL	2,043,189.802	987,549.012
151+70.45	4.95' RL	2,043,222.656	987,628.601
151+97.69	70.07' LL	2,043,248.801	987,553.543
151+98.87	40.13' RL	2,043,251.133	987,663.744
152+27.65	40.02' LL	2,043,279.791	987,583.552

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
1G60063	Gregory Michael Pease and Charlene Pease, in joint tenancy	0.813	0.051	N/A	0.762	N/A	N/A	14-20-426-007	
1G60064	Jeon Duffy and Patrick Duffy, husband and wife, not as joint tenants or tenants in common, but as tenants by the entirety	0.925	0.092	N/A	0.833	N/A	N/A	14-20-426-006	
1G60065	Daniel F. Laurx and Mary J. Laurx, husband and wife, not as joint tenants and not as tenants in common, but as tenants by the entirety	0.818	0.015	N/A	0.803	N/A	N/A	14-20-426-005	
1G60066	Dorice M. Rutkowski	1.000	0.026	N/A	0.974	N/A	N/A	14-20-403-007	

BY	DATE	REVISION

PART OF THE EAST 1/2 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1G60067	193783	July 31, 1946
1G60068	884046	June 19, 1984
	193784	July 31, 1946
	666895	June 24, 1976
	666896	June 24, 1976
	884046	June 19, 1984
	91R001930	January 18, 1991
	91R036943	September 27, 1991

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1G60067	Kristin A. Pearson and Ann Magro, in joint tenancy	4.000	0.102	0.086	3.898	0.003	122	14-20-400-002	
1G60068	Dennis O. Maloney and Gloria D. Maloney, in joint tenancy	1.384	0.090	N/A	1.294	N/A	N/A	14-20-401-011	

**LEGEND**

**SECTION CORNER** 16-15  
**QUARTER SECTION CORNER**

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

**APL**  
**APPARENT PROPERTY 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 NAD83 (1987) East Zone, according to the H.A.R.N. Network.

○ 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  
● T3

● 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.  
● 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 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 194-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 44N., 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, 2008  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

**DODGE SUBDMISION**  
Recorded September 27, 1991  
as Document No. 91R036943

**M-10 "Monument Record"**  
East 1/4 Corner of Section 20-44-8  
N.2,043,661.717-E.988,954.905  
Recorded Document No.

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
152+19.67	50.00' LL	2,043,271.798	987,573.583
152+27.85	40.02' LL	2,043,278.791	987,583.552
152+47.14	4.69' RL	2,043,299.358	987,628.224
152+47.25	40.14' RL	2,043,299.532	987,663.678
155+68.76	38.84' LL	2,043,620.779	987,583.658
155+68.76	50.00' LL	2,043,620.728	987,572.496
155+77.77	39.77' LL	2,043,629.783	987,582.685
155+77.79	38.79' LL	2,043,629.806	987,583.660
155+78.58	4.14' RL	2,043,630.805	987,626.594
155+79.25	40.14' RL	2,043,631.642	987,662.584
155+79.25	40.23' RL	2,043,631.645	987,662.678

**Schedule of Ties**

Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	
3	T1	
	T2	
	T3	
4	T1	
	T2	
	T3	
5	T1	
	T2	
	T3	
6	T1	
	T2	
	T3	

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
151+07.61	40.19' LL	2,043,159.791	987,583.516
151+32.14	41.03' RL	2,043,184.378	987,664.717
151+37.66	70.16' LL	2,043,189.801	987,583.525
151+62.00	65.87' RL	2,043,214.275	987,686.530
151+70.45	4.95' RL	2,043,222.656	987,628.601
151+84.59	142.98' RL	2,043,236.982	987,766.617
151+87.76	120.16' RL	2,043,240.122	987,743.790
151+89.91	143.41' RL	2,043,242.304	987,767.040
151+93.00	120.88' RL	2,043,245.374	987,744.505
151+94.67	70.41' RL	2,043,246.988	987,694.027
151+97.69	70.07' LL	2,043,249.801	987,583.543
151+97.70	72.03' LL	2,043,249.801	987,551.587
151+98.87	40.13' RL	2,043,251.133	987,663.744

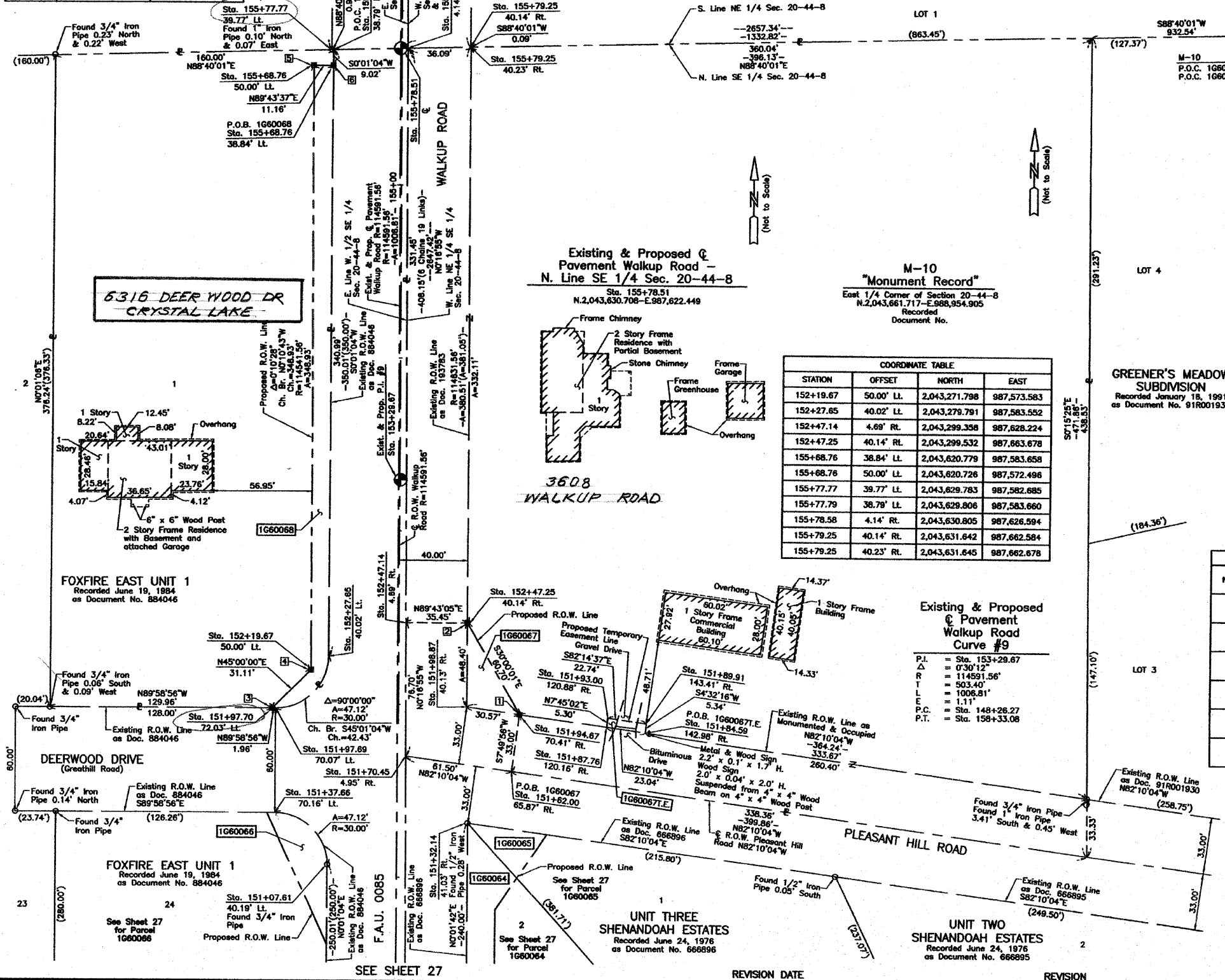
**CHRISTIAN H. JORGENSEN**  
2797  
ILLINOIS PROFESSIONAL LAND SURVEYOR  
LAKE VILLA, ILLINOIS

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

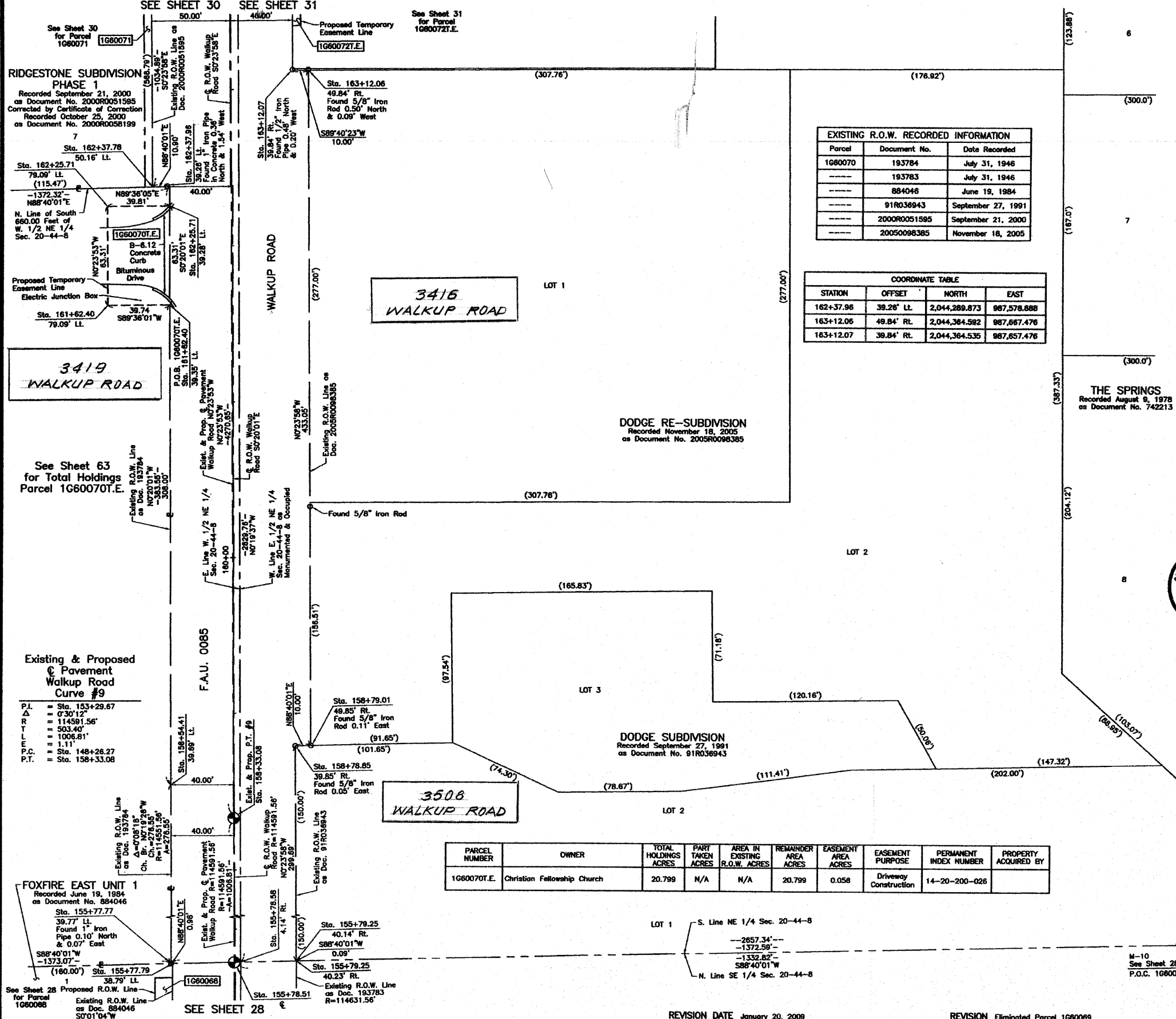
**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.U. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY  
PROJECT JOB NO. R-91-006-06  
STATION 151+00 TO STATION 156+00  
SCALE: 1"=30' SHEET 28 OF 74

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



PART OF THE NE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PART OF THE NE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel Number	Document No.	Date Recorded
1G60071	2000R0051595	September 21, 2000
---	193780	July 31, 1946
---	193781	July 31, 1946
---	193784	July 31, 1946
---	742213	August 9, 1978
---	904415	April 9, 1985
---	91R036943	September 27, 1991
---	2000R0051595	September 21, 2000

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
1G60071	Ridgestone, Inc., an Illinois corporation	7.569	0.096	N/A	7.473	N/A	N/A	14-20-201-005 14-20-201-006 14-20-251-001	

**LEGEND**

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

910  
1819 SECTION CORNER 16-15 QUARTER SECTION CORNER

120.32'  
129.32'(Comp.)

SCALE: 1"=50'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

○ IRON PIPE OR ROD FOUND  
 + CUT CROSS FOUND OR SET  
 ● "MAG" NAIL 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  
 ● T3

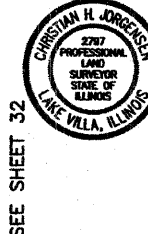
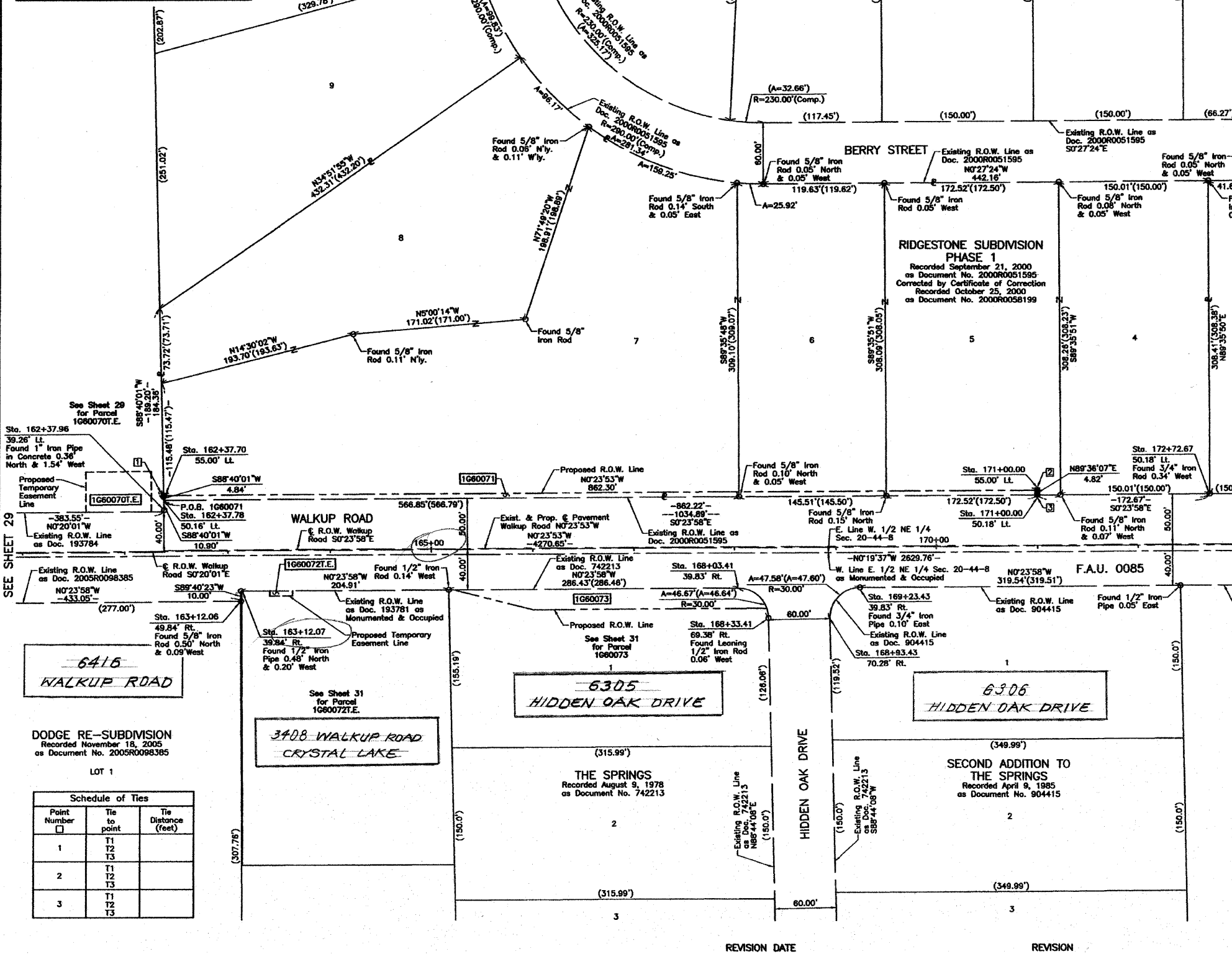
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
 ● BT2  
 ● BT3

■ 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, PROPOSED TO BE SET.



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 HEREIN IN SECTION 20, TOWNSHIP 44N., 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.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
162+37.70	55.00' LL	2,044,289.507	987,563.154
162+37.78	50.16' LL	2,044,289.620	987,567.996
162+37.96	39.26' LL	2,044,289.873	987,578.888
163+12.06	49.84' RL	2,044,364.592	987,667.476
163+12.07	39.84' RL	2,044,364.535	987,657.476
168+03.41	39.83' RL	2,044,855.666	987,654.052
168+33.41	69.38' RL	2,044,866.068	987,683.389
168+53.43	70.28' RL	2,044,946.093	987,683.677
169+23.43	39.83' RL	2,044,975.877	987,653.216
171+00.00	50.18' LL	2,045,151.819	987,561.987
171+00.00	55.00' LL	2,045,151.786	987,557.162
172+72.67	50.18' LL	2,046,324.482	987,560.784

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. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY  
 PROJECT JOB NO. R-91-006-06  
 STATION 162+00 TO STATION 173+00  
 SCALE: 1"=50' SHEET 30 OF 74

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

PART OF THE NE 1/4 OF SEC. 20, TWP. 44 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 ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1G60072.E	Deborah J. Cook and Christine Stosch, in joint tenancy	1.440	N/A	N/A	1.440	0.003	116	Driveway Construction	14-20-200-024	
1G60073	Nicholas T. Beaudin and Elaine M. Beaudin, joint tenants	1.122	0.122	N/A	1.000	N/A	N/A	N/A	14-20-276-002	

Point Number	Tie to Point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	

Parcel	Document No.	Date Recorded
1G60072	193781	July 31, 1946
1G60073	742213	August 9, 1978
---	742213	August 9, 1978
---	904415	April 9, 1985
---	2000R0051595	September 21, 2000
---	2005R0098385	November 18, 2005

**RIDGESTONE SUBDIVISION PHASE 1**  
 Recorded September 21, 2000 as Document No. 2000R0051595  
 Corrected by Certificate of Correction Recorded October 25, 2000 as Document No. 2000R0058199

**LEGEND**

SECTION CORNER 16 SECTION CORNER 15

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  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1987) East Zone, according to the H.A.R.N. Network.

○ 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  
 ● T3

● 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.  
 ● 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.

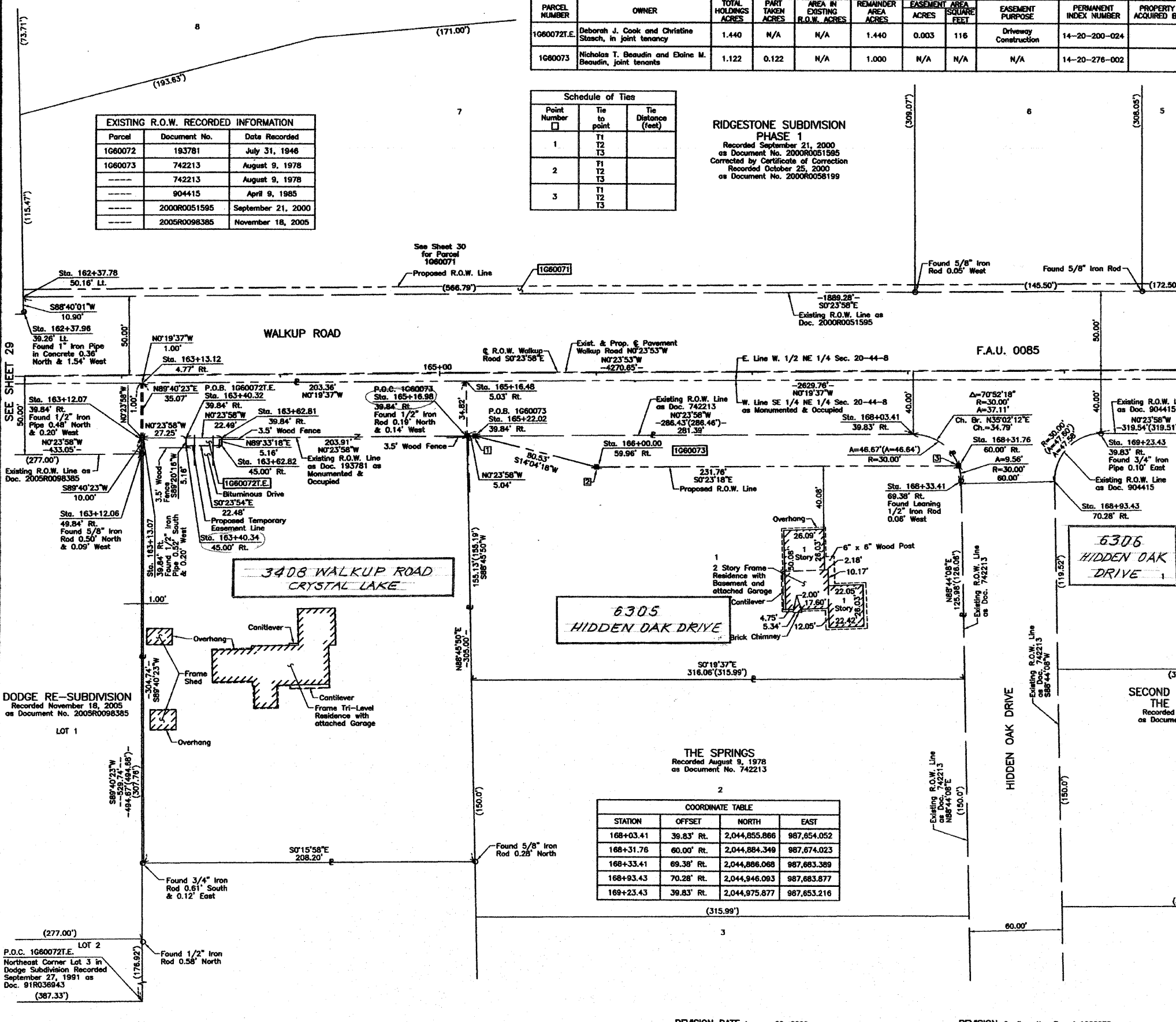
● PERMANENT SURVEY MARKER, L.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ 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 IN SECTION 20, TOWNSHIP 44N., 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.

CRISTIAN H. JORGENSEN  
 2787 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
 LAKE VILLA, ILLINOIS



THE SPRINGS  
 Recorded August 9, 1978 as Document No. 742213

STATION	OFFSET	NORTH	EAST
168+03.41	39.83' Rt.	2,044,855.866	987,654.052
168+31.76	60.00' Rt.	2,044,884.349	987,674.023
168+33.41	69.38' Rt.	2,044,886.068	987,683.389
168+93.43	70.28' Rt.	2,044,946.093	987,683.877
169+23.43	39.83' Rt.	2,044,975.877	987,653.216

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2787  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
162+37.78	50.16' Lt.	2,044,289.620	987,567.996
162+37.96	39.26' Lt.	2,044,289.873	987,578.886
163+12.06	49.84' Rt.	2,044,364.582	987,667.476
163+12.07	39.84' Rt.	2,044,364.535	987,657.476
163+13.07	39.84' Rt.	2,044,365.535	987,657.460
163+13.12	4.77' Rt.	2,044,365.335	987,622.401
163+40.32	39.84' Rt.	2,044,392.780	987,657.279
163+40.34	45.00' Rt.	2,044,392.839	987,662.438
163+62.81	39.84' Rt.	2,044,415.273	987,657.122
163+62.82	45.00' Rt.	2,044,415.313	987,662.282
165+16.48	5.03' Rt.	2,044,588.892	987,621.241
165+16.96	39.84' Rt.	2,044,589.443	987,656.048
165+22.02	39.84' Rt.	2,044,574.478	987,656.013
166+00.00	59.96' Rt.	2,044,652.596	987,675.594

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046 (847) 326-3371

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.U. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY  
 PROJECT JOB NO. R-91-006-06  
 STATION 162+00 TO STATION 170+00  
 SCALE: 1"=30' SHEET 31 OF 74

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

DATE	BY

MADE BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 INKED BY \_\_\_\_\_

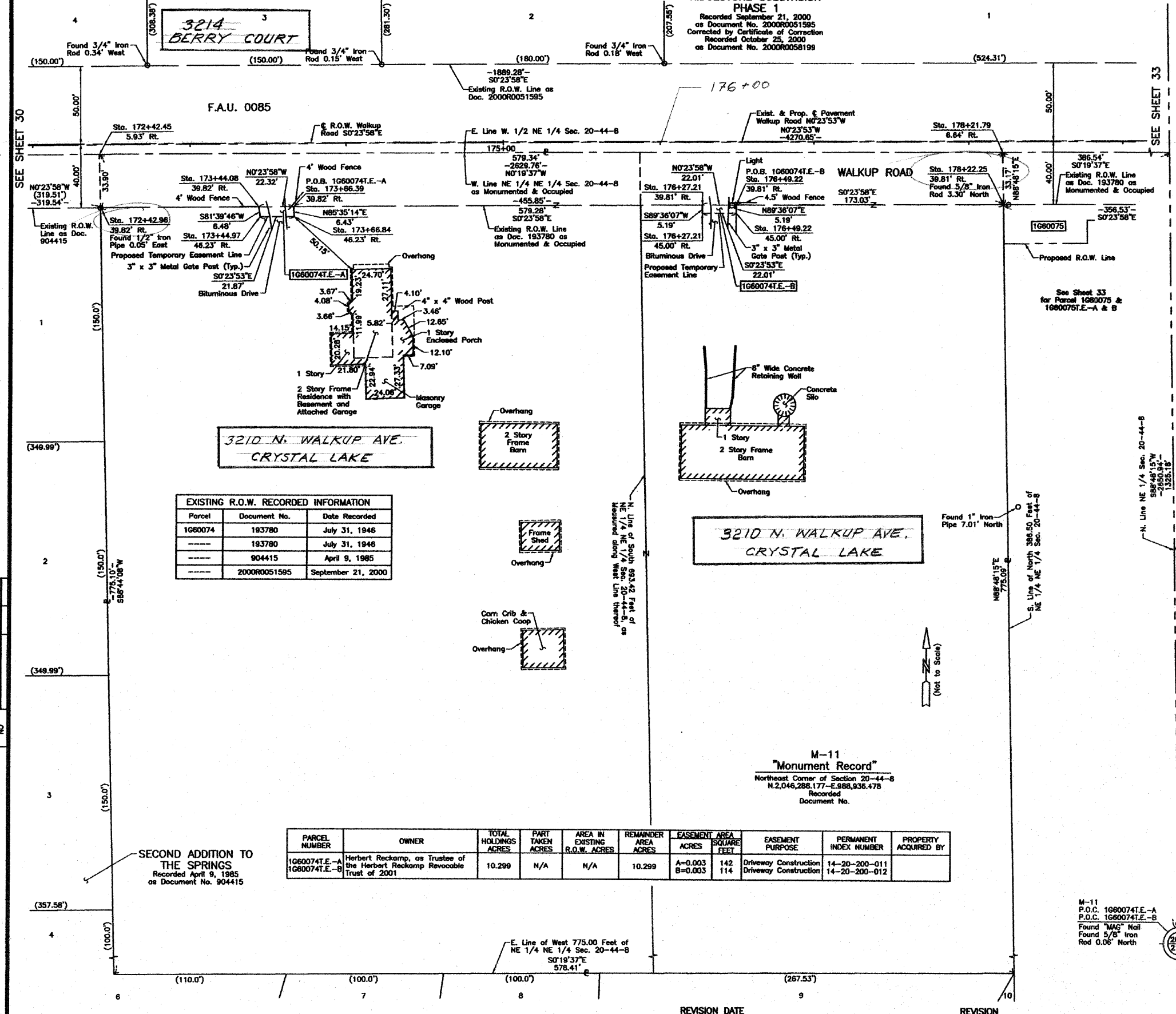
ROW PLAT	NOTEBOOK

PART OF THE NE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

RIDGESTONE SUBDIVISION  
 PHASE 1  
 Recorded September 21, 2000  
 as Document No. 2000R0051595  
 Corrected by Certificate of Correction  
 Recorded October 25, 2000  
 as Document No. 2000R0058199

LEGEND

- SECTION CORNER
  - QUARTER SECTION CORNER
  - 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
- Scale: 1"=30'
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1987) East Zone, according to the H.A.R.N. Network.
- O IRON PIPE OR ROD FOUND
  - + CUT CROSS FOUND OR 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 INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MONUMENT POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - M PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET.



Parcel	Document No.	Date Recorded
1060074	193780	July 31, 1946
-----	193780	July 31, 1946
-----	904415	April 9, 1985
-----	2000R0051595	September 21, 2000

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
1060074E-A	Herbert Reckamp, as Trustee of the Herbert Reckamp Revocable Trust of 2001	10.299	N/A	N/A	10.299	A=0.003	142	Driveway Construction	14-20-200-011	
B=0.003						114	Driveway Construction			

M-11  
 "Monument Record"  
 Northeast Corner of Section 20-44-8  
 N.2,046,288.177-E.988,936.478  
 Recorded  
 Document No.



NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
172+42.45	5.93' RL	2,045,294.658	987,617.098
172+42.96	39.82' RL	2,045,295.406	987,650.989
173+44.08	39.82' RL	2,045,306.514	987,650.284
173+44.97	48.23' RL	2,045,307.453	987,656.691
173+66.39	39.82' RL	2,045,418.832	987,650.129
173+66.84	46.23' RL	2,045,419.327	987,656.539
176+27.21	39.81' RL	2,045,679.642	987,648.311
176+27.21	45.00' RL	2,045,679.678	987,653.497
176+49.22	39.81' RL	2,045,701.651	987,648.158
176+49.22	45.00' RL	2,045,701.687	987,653.344
178+21.79	6.64' RL	2,045,873.983	987,613.791
178+22.25	39.81' RL	2,045,874.676	987,646.952

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (847) 396-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.U. 0085 (WALKUP ROAD)  
 SECTION 00-00246-00-FP McHENRY COUNTY  
 PROJECT JOB NO. R-91-006-06  
 STATION 172+00 TO STATION 179+00  
 SCALE: 1"=30' SHEET 32 OF 74

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

PART OF THE SE 1/4 OF SEC. 17 AND PART OF THE NE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

RIDGESTONE SUBDIVISION PHASE 1

Recorded September 21, 2000 as Document No. 2000R0051595 Corrected by Certificate of Correction Recorded October 25, 2000 as Document No. 2000R0058199

OAKWOOD MANOR SUBDIVISION

Recorded May 31, 1994 as Document No. 94R033548

- LEGEND
SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1987) East Zone, according to the H.A.R.N. Network.

Table with 3 columns: ROW, PLAY, DATE. Rows for DOCUMENT RECORDED and NOTEBOOK.

Schedule of Ties table with columns: Point Number, Tie to point, Tie Distance (feet). Contains 8 rows of data.

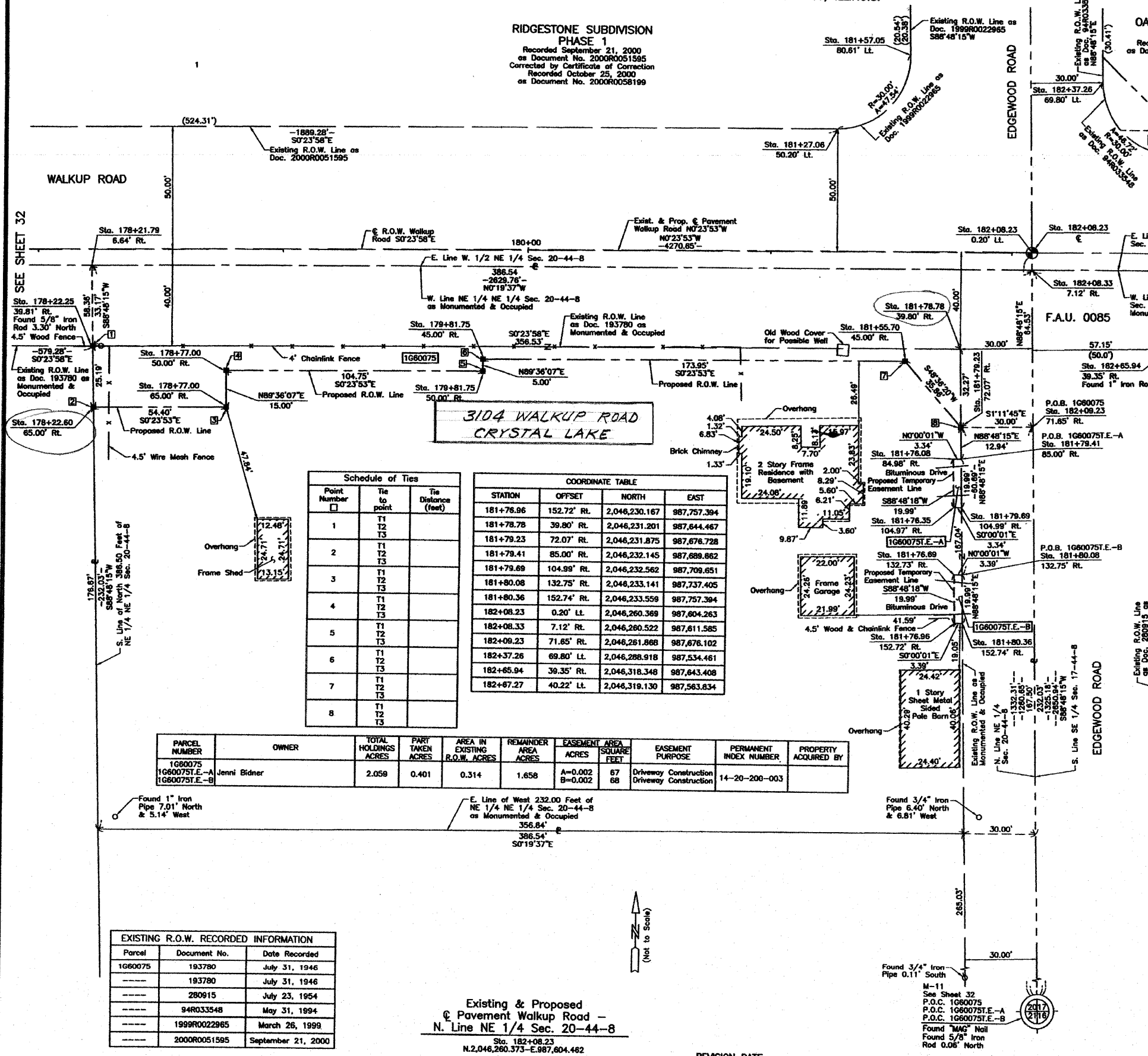
COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Contains 18 rows of coordinate data.

Table with 9 columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT ACRES, EASEMENT AREA SQUARE FEET, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY.

EXISTING R.O.W. RECORDED INFORMATION table with columns: Parcel, Document No., Date Recorded. Contains 5 rows.

Existing & Proposed
Pavement Walkup Road -
N. Line NE 1/4 Sec. 20-44-B

Sta. 182+08.23
N.2,046,260.373-E.987,604.462



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 17, TOWNSHIP 44N., RANGE 8E. AND SECTION 20, TOWNSHIP 44N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND CORRECTLY AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT 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.



EDGEWOOD ACRES
Recorded July 23, 1954 as Document No. 280915

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Contains 12 rows of coordinate data.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE, LAKE VILLA, ILLINOIS 60046
(847) 368-3371

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 00-00246-00-FP McHENRY COUNTY
PROJECT JOB NO. R-91-006-06
STATION 178+00 TO STATION 183+00
SCALE: 1"=20' SHEET 33 OF 74

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



PART OF THE SE 1/4 OF SEC. 17 AND PART OF THE NE 1/4 OF SEC. 20, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 35

LEGEND

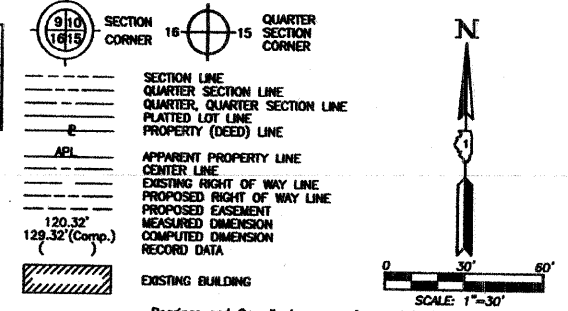
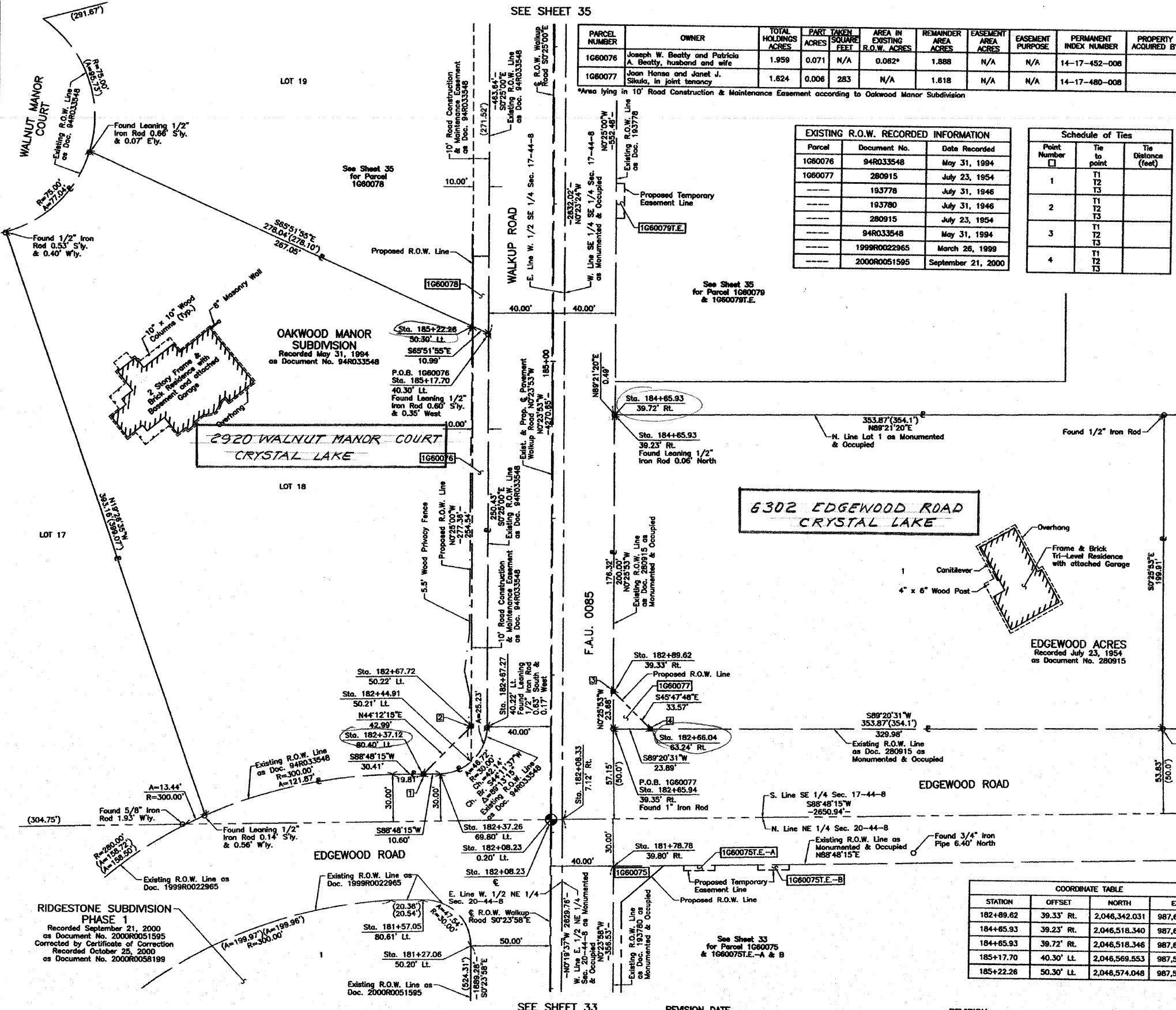


Table with columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN SQUARE FEET, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT AREA ACRES, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY.

Table titled 'EXISTING R.O.W. RECORDED INFORMATION' with columns: Parcel, Document No., Date Recorded.

Table titled 'Schedule of Ties' with columns: Point Number, Tie to point, Tie Distance (feet).

Table with columns: ROW PLAY, MADE, CHECKED, BY, DATE, NOTEBOOK, NO.



Scale: 1"=30'. Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

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 17, TOWNSHIP 44N., RANGE 8E. AND SECTION 20, TOWNSHIP 44N., 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 20 DAY OF 20 A.D. PRESIDENT CHRISTIAN H. JORGENSEN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797, LICENSE EXPIRATION DATE: NOVEMBER 30, 2008.

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST.

JORGENSEN & ASSOCIATES, INC. 120 PARK AVENUE LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.U. 0085 (WALKUP ROAD) SECTION 00-00246-00-FP McHENRY COUNTY PROJECT JOB NO. R-91-006-06 TO STATION 187+00 STATION 181+00 SCALE: 1"=30' SHEET 34 OF 74

BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196 AS DOCUMENT NO.

PART OF THE SE 1/4 OF SEC. 17, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1G60078	94R033548	May 31, 1994
1G60079	193778	July 31, 1946
-----	193778	July 31, 1946
-----	280915	July 23, 1954
-----	94R033548	May 31, 1994

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1G60078	Keith A. Fiantago and Jodi D. Fiantago, husband and wife, not as joint tenants, nor as tenants in common, but as tenants by the entirety	1.066	0.011	0.011*	1.055	N/A	N/A	N/A	14-17-452-009	
1G60079	Francis L. Thomas and Barbara J. Thomas, his wife, in joint tenancy	2.158	0.100	0.076	2.058	0.003	117	Driveway Construction	14-17-480-003	

\*Area lying in 10' Road Construction & Maintenance Easement according to Oakwood Manor Subdivision

**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  
CENTER LINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
PROPOSED EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA

EXISTING BUILDING

SCALE: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

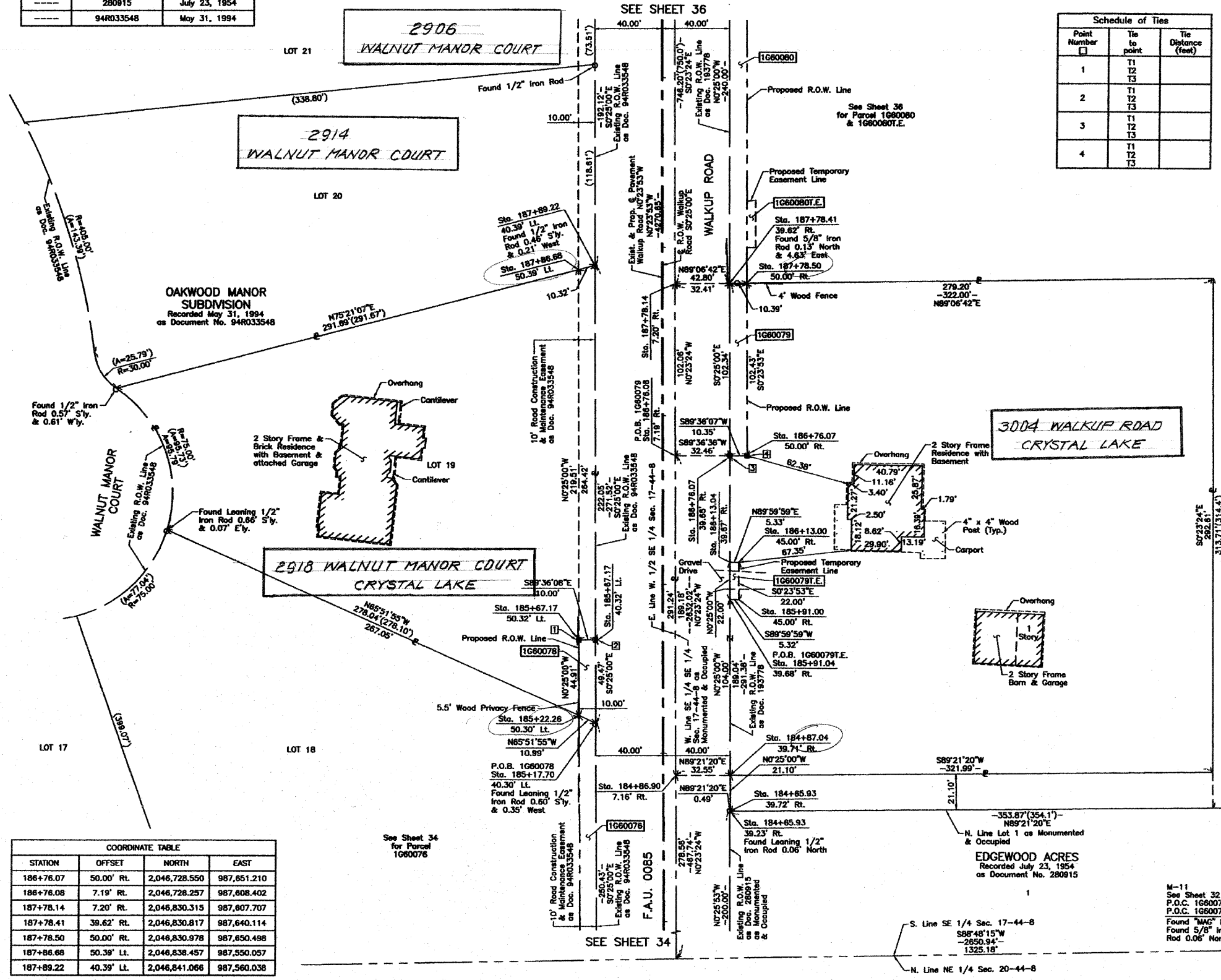
○ IRON PIPE OR ROD FOUND ● "MAG" NAIL SET  
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY T2 T3  
● T2 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY T1 T3  
● 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 T1 T2 T3  
■ 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 IRON 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.

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	

DATE	BY	REVISION



COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
186+76.07	50.00' RL	2,046,728.550	987,651.210
186+76.08	7.19' RL	2,046,728.257	987,608.402
187+78.14	7.20' RL	2,046,830.315	987,607.707
187+78.41	39.62' RL	2,046,830.817	987,640.114
187+78.50	50.00' RL	2,046,830.978	987,650.498
187+86.66	50.39' LL	2,046,838.457	987,550.057
187+89.22	40.39' LL	2,046,841.066	987,560.038

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
184+65.93	39.23' RL	2,046,518.340	987,641.902
184+65.93	39.72' RL	2,046,518.346	987,642.387
184+86.90	7.16' RL	2,046,539.079	987,609.689
184+87.04	39.71' RL	2,046,539.445	987,642.234
185+17.70	40.30' LL	2,046,569.553	987,562.013
185+22.26	50.30' LL	2,046,574.048	987,551.980
185+67.17	40.32' LL	2,046,619.025	987,561.653
185+67.17	50.32' LL	2,046,618.956	987,551.653
185+91.00	45.00' RL	2,046,643.444	987,646.801
185+91.04	39.68' RL	2,046,643.444	987,641.477
186+13.00	45.00' RL	2,046,665.444	987,646.648
186+13.04	39.67' RL	2,046,665.444	987,641.317
186+76.07	39.65' RL	2,046,728.478	987,640.859



PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008  
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.

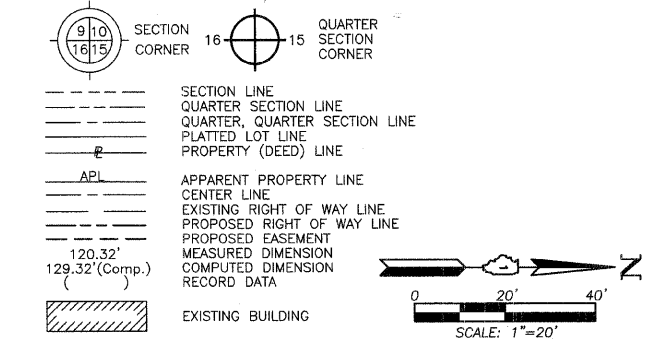
**PLAT OF HIGHWAYS STATE OF ILLINOIS**  
DEPARTMENT OF TRANSPORTATION  
F.A.U. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY  
PROJECT JOB NO. R-91-006-06  
STATION 184+00 TO STATION 189+00  
SCALE: 1"=30' SHEET 35 OF 74

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

PART OF THE SE 1/4 OF SEC. 17, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

- O 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
- T3
- 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.
- 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 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 IN SECTION 17, TOWNSHIP 44N., 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, 2010  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
 NOTE: SURFACE COORDINATES ARE SHOWN.

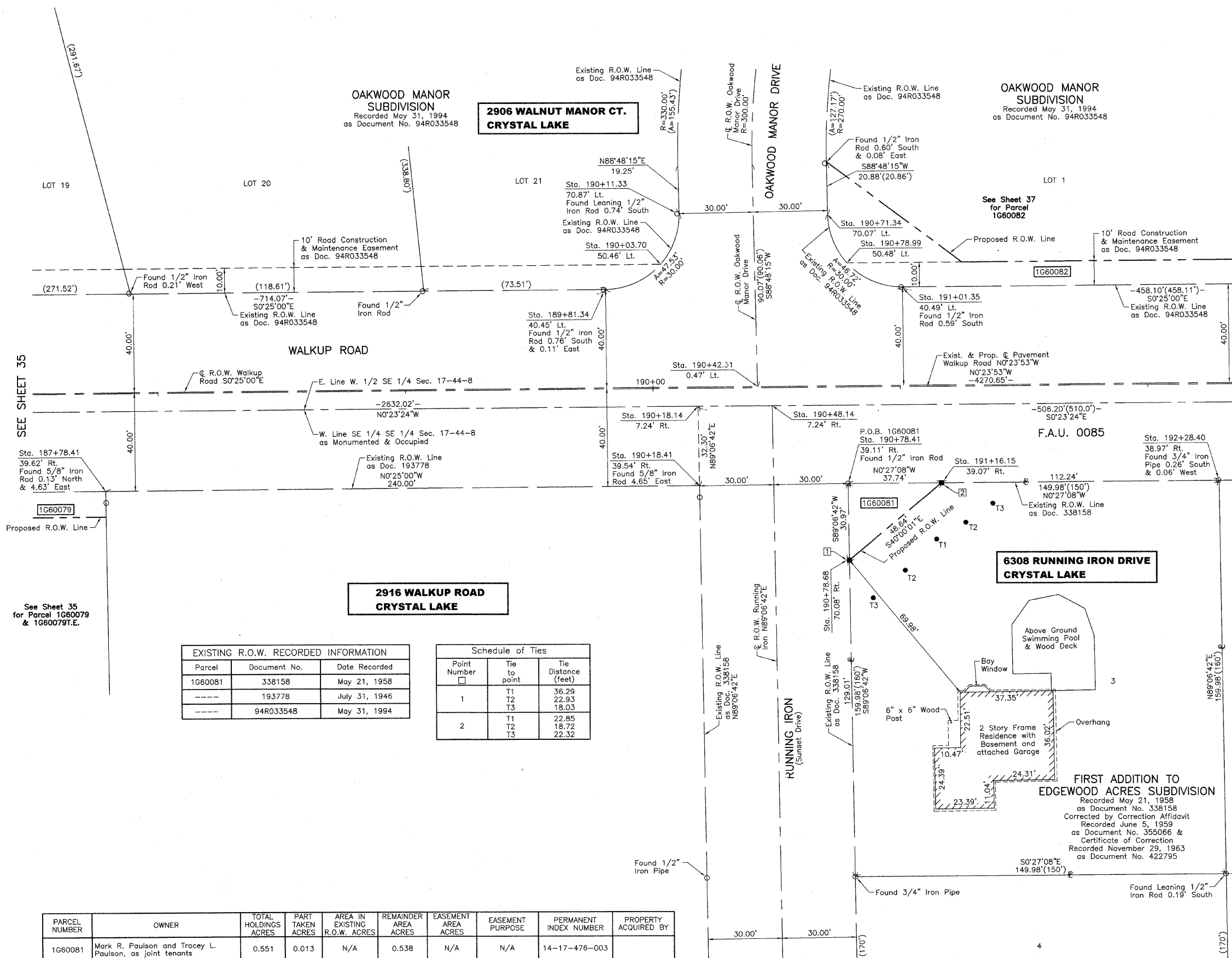
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
187+78.41	39.62' Rt.	2,046,830.817	987,640.114
189+81.34	40.45' Lt.	2,047,033.181	987,558.640
190+03.70	50.46' Lt.	2,047,055.468	987,548.478
190+11.33	70.87' Lt.	2,047,062.956	987,528.015
190+18.14	7.24' Rt.	2,047,070.309	987,606.074
190+18.41	39.54' Rt.	2,047,070.810	987,638.369
190+42.31	0.47' Lt.	2,047,094.428	987,598.196
190+48.14	7.24' Rt.	2,047,100.310	987,605.870
190+71.34	70.07' Lt.	2,047,122.977	987,528.394
190+78.41	39.11' Rt.	2,047,130.804	987,637.522
190+78.68	70.08' Lt.	2,047,131.284	987,668.488
190+78.99	50.48' Lt.	2,047,130.756	987,547.930
191+01.35	40.49' Lt.	2,047,153.189	987,557.768
191+16.15	39.07' Rt.	2,047,168.543	987,637.224
192+28.40	38.97' Rt.	2,047,280.783	987,636.338

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (647) 356-3371

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.U. 0085 (WALKUP ROAD)  
 SECTION 00-00246-00-FP McHENRY COUNTY  
 PROJECT JOB NO. R-91-006-06  
 STATION 187+00 TO STATION 193+00  
 SCALE: 1"=20' SHEET 36 OF 74

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

MADE BY



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1G60081	338158	May 21, 1958
----	193778	July 31, 1946
----	94R033548	May 31, 1994

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	36.29
	T2	22.93
	T3	18.03
2	T1	22.85
	T2	18.72
	T3	22.32

BY	DATE

See Sheet 35 for Parcel 1G60079 & 1G60079T.E.

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
1G60081	Mark R. Paulson and Tracey L. Paulson, as joint tenants	0.551	0.013	N/A	0.538	N/A	N/A	14-17-476-003	

REVISION DATE January 15, 2010  
 January 28, 2009

Eliminated Parcel 1G60080  
 REVISION Configuration Parcel 1G60080

PART OF THE SE 1/4 OF SEC. 17, TWP. 44 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 SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1G60082	Bruce J. Howard and Vilma M. Howard husband and wife, not as joint tenants, nor as tenants in common but as tenants by the entirety	3.717	0.092	0.068*	3.625	N/A	N/A	N/A	14-17-451-002	
1G60083T.E.	Edwina M. Dumont, as Trustee of the Edwina M. Dumont Trust dated March 15, 2004	0.551	N/A	N/A	0.551	0.010	425	Driveway Construction	14-17-476-002	P.O.C. 1060082 Sta. 195+59.45
1G60084T.E.	Dennis Austin and Christine L. Austin, his wife, in joint tenancy	0.551	N/A	N/A	0.551	0.004	161	Driveway Construction	14-17-476-001	40.64' LL Found 3/4" Iron Pipe 1.17' North N67°22'56"E

\*Area lying in 10' Road Construction & Maintenance Easement according to Oakwood Manor Subdivision

Schedule of Ties

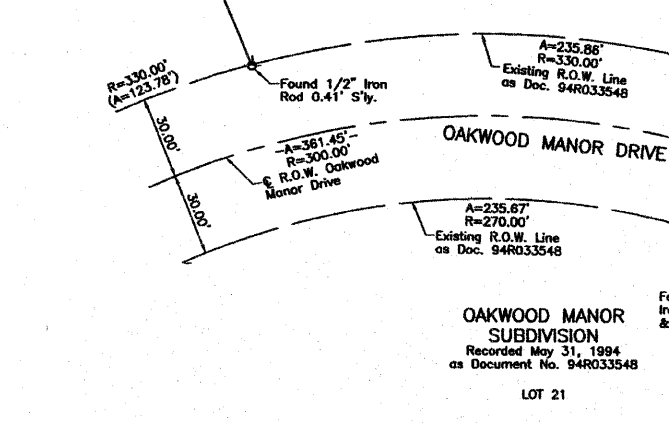
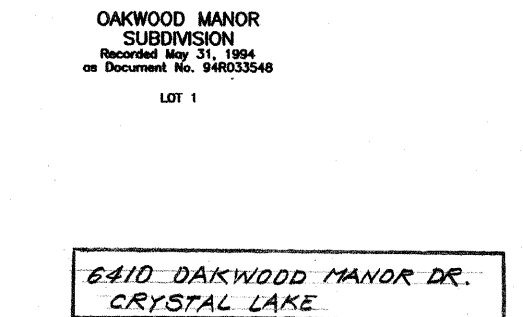
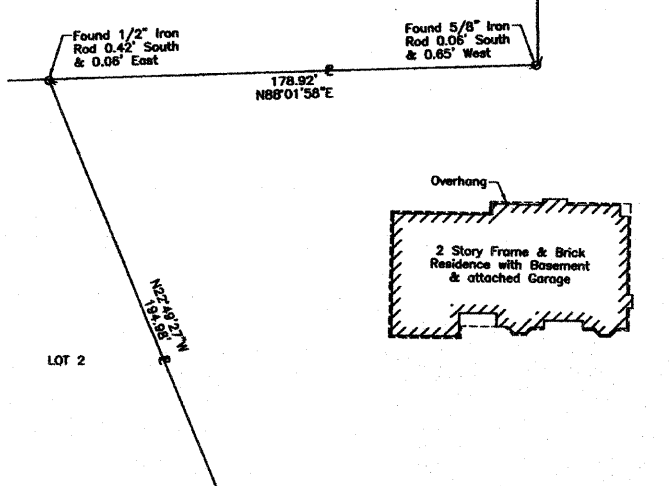
Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	
3	T1	
	T2	
	T3	
4	T1	
	T2	
	T3	

COORDINATE TABLE

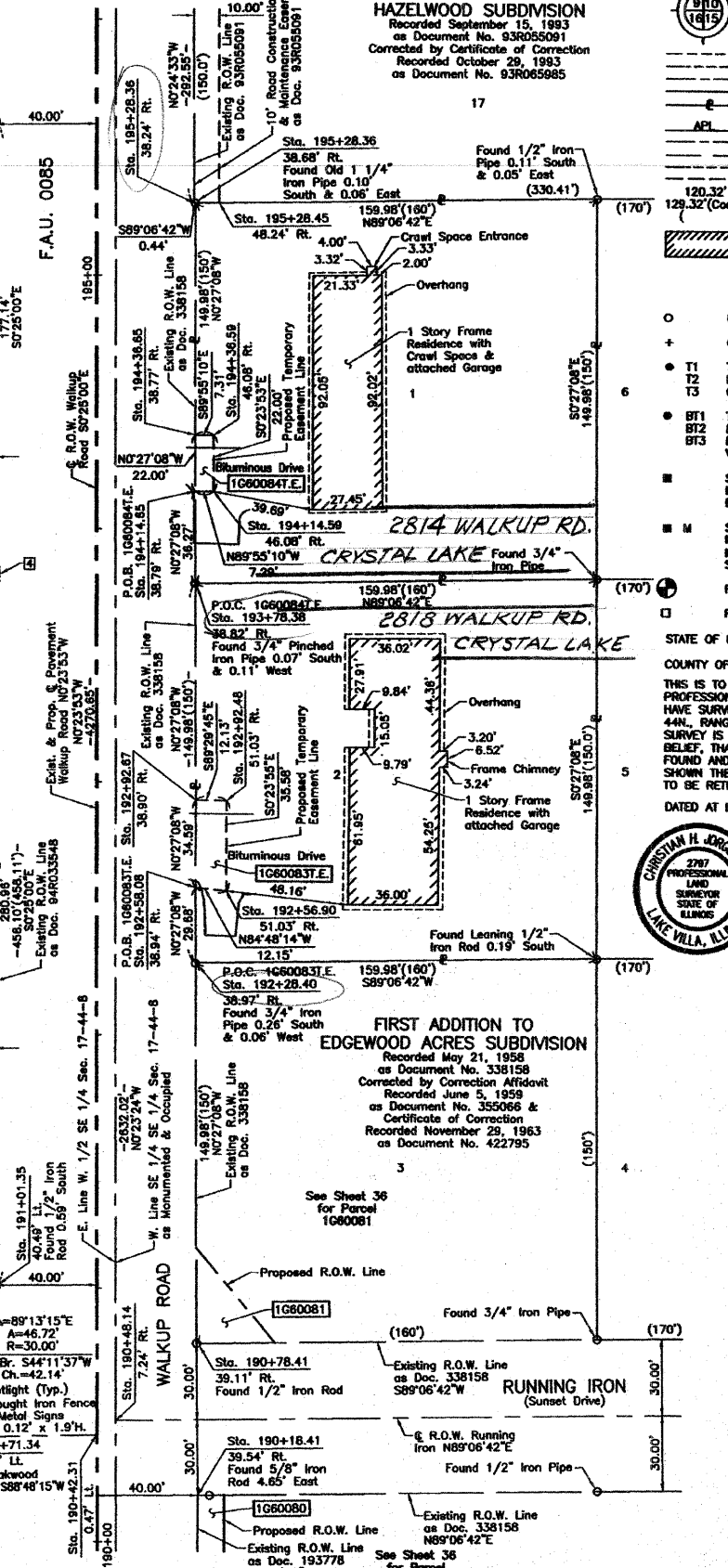
STATION	OFFSET	NORTH	EAST
192+58.08	38.94' RL	2,047,310.470	987,636.104
192+92.48	51.03' RL	2,047,344.950	987,647.960
192+92.67	38.90' RL	2,047,345.057	987,635.831
193+78.38	38.82' RL	2,047,430.763	987,635.154
193+82.31	40.58' LL	2,047,434.137	987,555.724
193+82.31	50.58' LL	2,047,434.068	987,545.724
194+14.59	46.08' RL	2,047,467.019	987,642.182
194+14.65	38.79' RL	2,047,467.030	987,634.868
194+36.59	46.08' RL	2,047,489.020	987,642.009
194+38.65	38.77' RL	2,047,489.030	987,634.694
195+28.36	38.24' RL	2,047,580.735	987,633.525
195+28.36	38.68' RL	2,047,580.742	987,633.970
195+28.45	48.24' RL	2,047,580.990	987,643.524
195+58.06	50.64' LL	2,047,610.821	987,544.439
195+59.45	40.64' LL	2,047,611.278	987,554.436

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1G60082	94R033548	May 31, 1994
1G60083	338158	May 21, 1958
1G60084	338158	May 21, 1958
---	338158	May 21, 1958
---	93R055091	September 15, 1993
---	94R033548	May 31, 1994



SEE SHEET 38



LEGEND

SECTION CORNER 16 15 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  
PROPOSED EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the I.A.R.N. Network.

○ 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.  
● 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.  
■ 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 HEREIN IN SECTION 17, TOWNSHIP 44N., RANGE SE. 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 20 DAY OF \_\_\_\_\_ 20\_\_ A.D.

PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
190+11.33	70.87' LL	2,047,062.956	987,528.015
190+18.41	39.54' RL	2,047,070.810	987,638.369
190+42.31	0.47' LL	2,047,094.428	987,598.196
190+48.14	7.24' RL	2,047,100.310	987,605.870
190+71.05	90.95' LL	2,047,122.541	987,507.517
190+71.05	91.52' LL	2,047,122.530	987,506.954
190+71.34	70.07' LL	2,047,122.977	987,528.394
190+78.41	39.11' RL	2,047,130.804	987,637.522
190+78.99	50.46' LL	2,047,130.756	987,547.930
191+01.35	40.49' LL	2,047,153.189	987,557.798
191+25.34	50.50' LL	2,047,177.106	987,547.593
192+28.40	38.97' RL	2,047,280.783	987,636.338
192+58.90	51.03' RL	2,047,309.369	987,648.208

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60048  
(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. 0085 (WALKUP ROAD)  
SECTION 00-00246-00-FP McHENRY COUNTY  
PROJECT JOB NO. R-91-006-06  
STATION 190+00 TO STATION 196+00  
SCALE: 1"=30' SHEET 37 OF 34

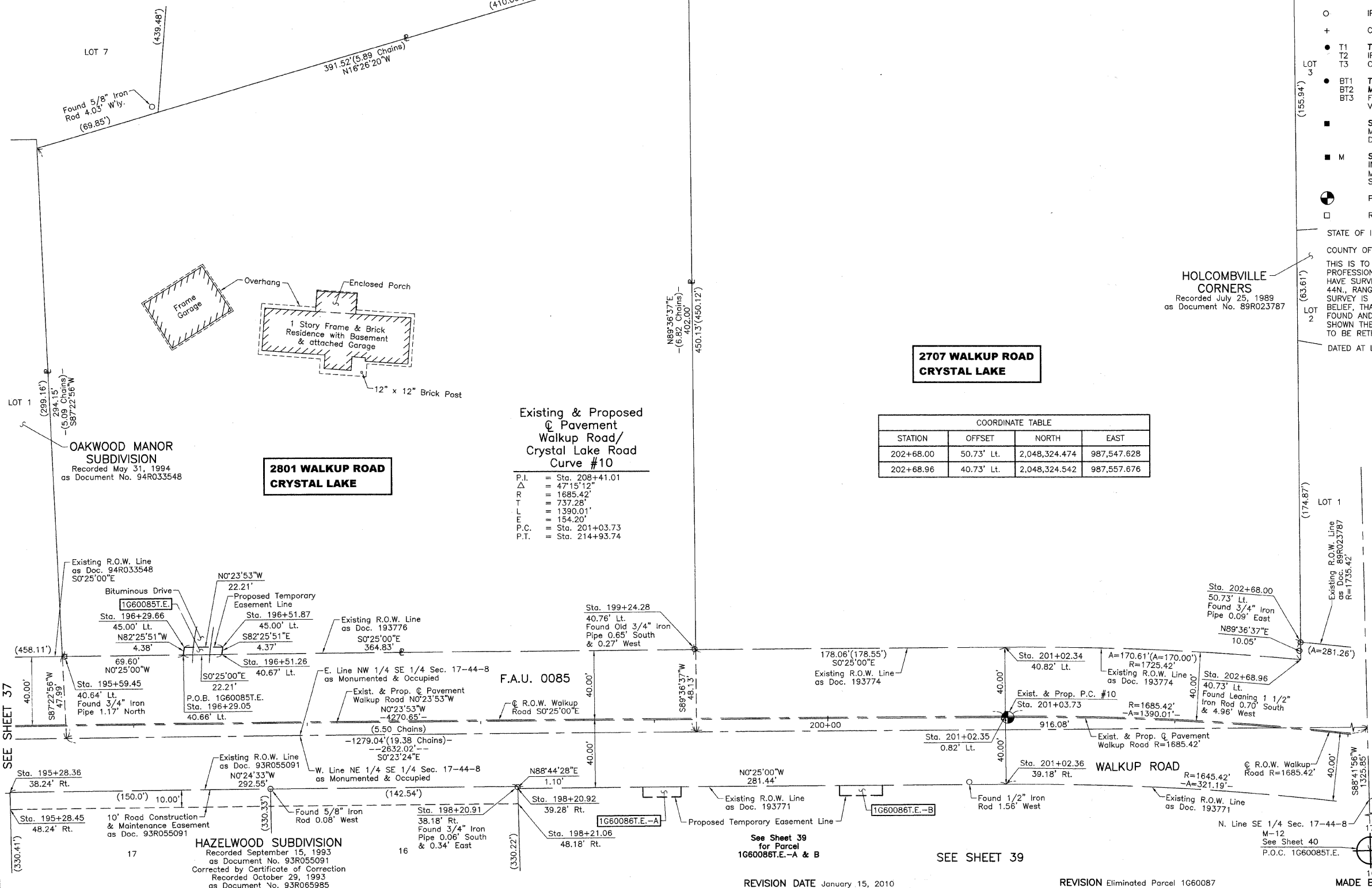
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

PART OF THE SE 1/4 OF SEC. 17, TWP. 44 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 AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1G60085T.E.	Ronald H. Salm and Dianne E. Salm, in joint tenancy	2.967	N/A	N/A	2.967	0.002	96	Driveway Construction	14-17-402-005	

Parcel	Document No.	Date Recorded
1G60085	193776	July 31, 1946
----	193771	July 31, 1946
----	193774	July 31, 1946
----	89R023787	July 25, 1989
----	93R055091	September 15, 1993
----	94R033548	May 31, 1994

**COLONEL HOLCOMB ESTATES UNIT 1**  
 Recorded May 23, 1991 as Document No. 91R018288  
 Corrected by Certificates of Correction  
 Recorded November 5, 1991 as Document No. 91R042726,  
 Recorded July 14, 1992 as Document No. 92R038354,  
 Recorded August 31, 1992 as Document No. 92R047039 &  
 Recorded September 4, 1992 as Document No. 92R048325



**LEGEND**

SECTION CORNER 16 15 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  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

EXISTING BUILDING

SCALE: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

○ 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 TIE 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 TIE 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.

**HOLCOMBVILLE CORNERS**  
 Recorded July 25, 1989 as Document No. 89R023787

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
202+68.00	50.73' Lt.	2,048,324.474	987,547.628
202+68.96	40.73' Lt.	2,048,324.542	987,557.676

**Existing & Proposed Pavement Walkup Road/ Crystal Lake Road Curve #10**

P.I. = Sta. 208+41.01  
 Δ = 47°15'12"  
 R = 1685.42'  
 T = 737.28'  
 L = 1390.01'  
 E = 154.20'  
 P.C. = Sta. 201+03.73  
 P.T. = Sta. 214+93.74

PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010  
 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
195+28.36	38.24' Rt.	2,047,580.735	987,633.525
195+28.45	48.24' Rt.	2,047,580.890	987,643.524
195+59.45	40.84' Lt.	2,074,611.278	987,554.436
196+29.05	40.66' Lt.	2,047,680.874	987,553.929
196+29.66	45.00' Lt.	2,047,681.451	987,549.587
196+51.26	40.67' Lt.	2,047,703.088	987,553.768
196+51.87	45.00' Lt.	2,047,703.665	987,549.433
198+20.91	38.18' Rt.	2,047,873.276	987,631.437
198+20.92	39.28' Rt.	2,047,873.300	987,632.532
198+21.06	48.18' Rt.	2,047,873.496	987,641.435
199+24.28	40.76' Lt.	2,047,976.094	987,551.782
201+02.34	40.82' Lt.	2,048,154.150	987,550.487
201+02.35	0.82' Lt.	2,048,154.440	987,590.486
201+02.36	39.18' Rt.	2,048,154.732	987,630.485

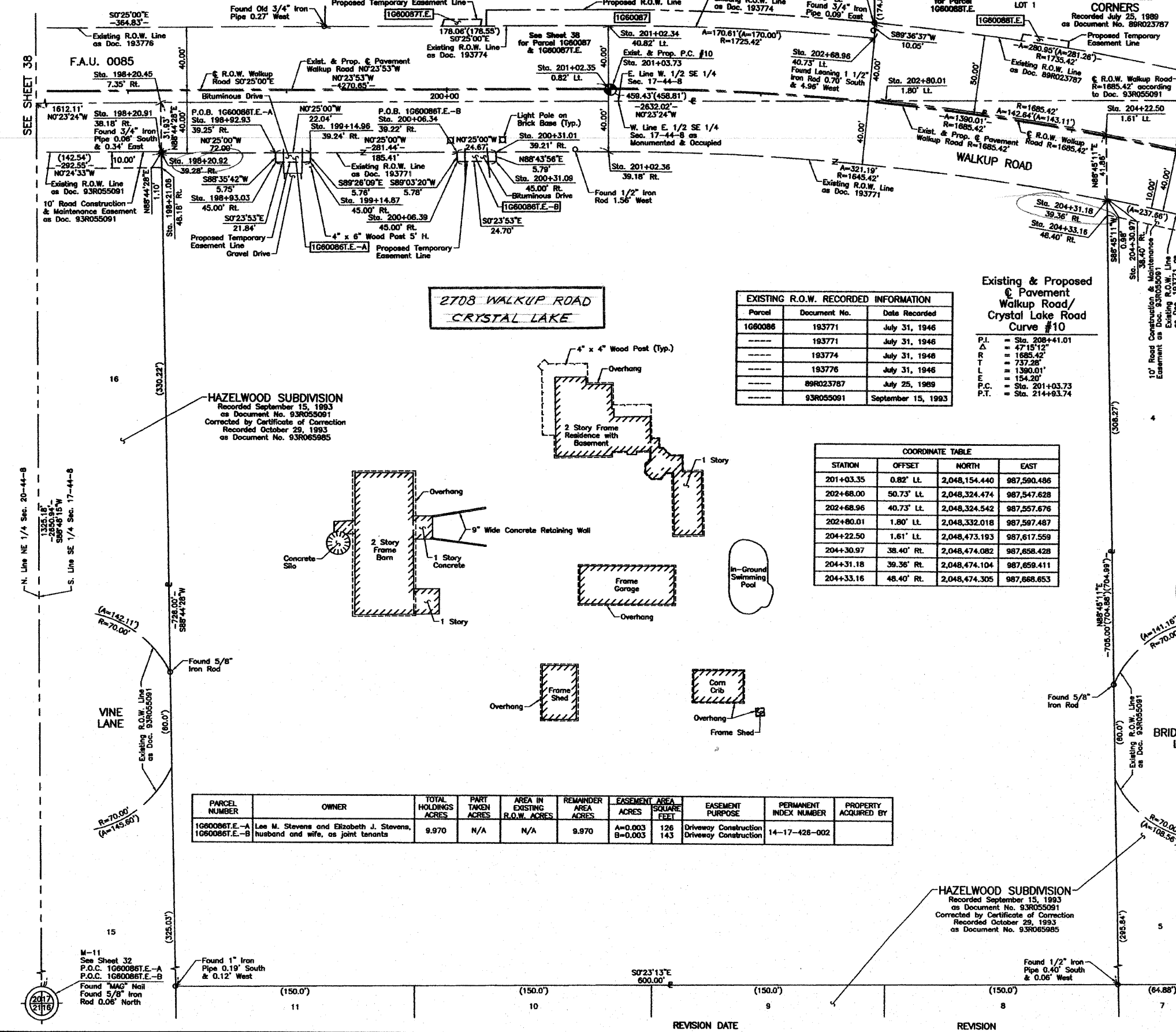
JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
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**PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 F.A.U. 0085 (WALKUP ROAD)  
 SECTION 00-00246-00-FP McHENRY COUNTY  
 PROJECT JOB NO. R-91-006-06  
 STATION 195+00 TO STATION 203+00  
 SCALE: 1"=30' SHEET 38 OF 74

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

DATE	BY	MADE	CHECKED	INKED	NO

PART OF THE SE 1/4 OF SEC. 17, TWP. 44 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

APL 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 NAD83 (1997) East Zone, according to the H.A.R.N. Network.

SCALE: 1"=30'

0 30' 60'

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 IRON 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. 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, PROFESSIONAL DESIGN FIRM LICENSE NUMBER 035-2797, LICENSE EXPIRATION DATE: NOVEMBER 30, 2008, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 44N., 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, 2008  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

#### EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1660086	193771	July 31, 1946
-----	193771	July 31, 1946
-----	193774	July 31, 1946
-----	193776	July 31, 1946
-----	89R023787	July 25, 1989
-----	93R055091	September 15, 1993

#### COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
201+03.35	0.82' Lt.	2,048,154.440	987,590.486
202+68.00	50.73' Lt.	2,048,324.474	987,547.628
202+68.96	40.73' Lt.	2,048,324.542	987,557.676
202+80.01	1.80' Lt.	2,048,332.018	987,597.487
204+22.50	1.61' Lt.	2,048,473.193	987,617.559
204+30.97	38.40' Rt.	2,048,474.082	987,658.428
204+31.18	39.36' Rt.	2,048,474.104	987,659.411
204+33.16	48.40' Rt.	2,048,474.305	987,668.653

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1660086E-A	Lee M. Stevens and Elizabeth J. Stevens, husband and wife, as joint tenants	9.970	N/A	N/A	9.970	A=0.003	Driveway Construction	14-17-426-002	
1660086E-B						B=0.003			

#### COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
198+20.45	7.35' Rt.	2,047,872.599	987,600.614
198+20.91	38.18' Rt.	2,047,873.276	987,631.437
198+20.92	39.28' Rt.	2,047,873.300	987,632.532
198+21.06	48.18' Rt.	2,047,873.496	987,641.435
198+92.93	39.25' Rt.	2,047,945.299	987,632.008
198+93.03	45.00' Rt.	2,047,945.440	987,637.755
199+14.87	45.00' Rt.	2,047,967.278	987,637.603
199+14.96	39.24' Rt.	2,047,967.334	987,631.848
200+06.34	39.22' Rt.	2,048,058.706	987,631.183
200+06.39	45.00' Rt.	2,048,058.801	987,636.967
200+31.01	39.21' Rt.	2,048,063.376	987,631.004
200+31.09	45.00' Rt.	2,048,063.504	987,636.796
201+02.34	40.82' Lt.	2,048,154.150	987,550.487
201+02.36	39.18' Rt.	2,048,154.732	987,630.485

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (847) 358-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

### PLAT OF HIGHWAYS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.U. 0085 (WALKUP ROAD)  
 SECTION 00-00246-00-FP McHENRY COUNTY  
 PROJECT JOB NO. R-91-006-06  
 STATION 198+00 TO STATION 205+00  
 SCALE: 1"=30' SHEET 39 OF 74

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

MADE BY \_\_\_\_\_  
 AS DOCUMENT NO. \_\_\_\_\_

ROW	DATE	BY	REVISION

PART OF THE EAST 1/2 OF SEC. 17, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1060088	89R023787	July 25, 1989
-----	193771	July 31, 1946
-----	193774	July 31, 1946
-----	93R055091	September 15, 1993

**LEGEND**

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE  
 A.P.L.  
 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

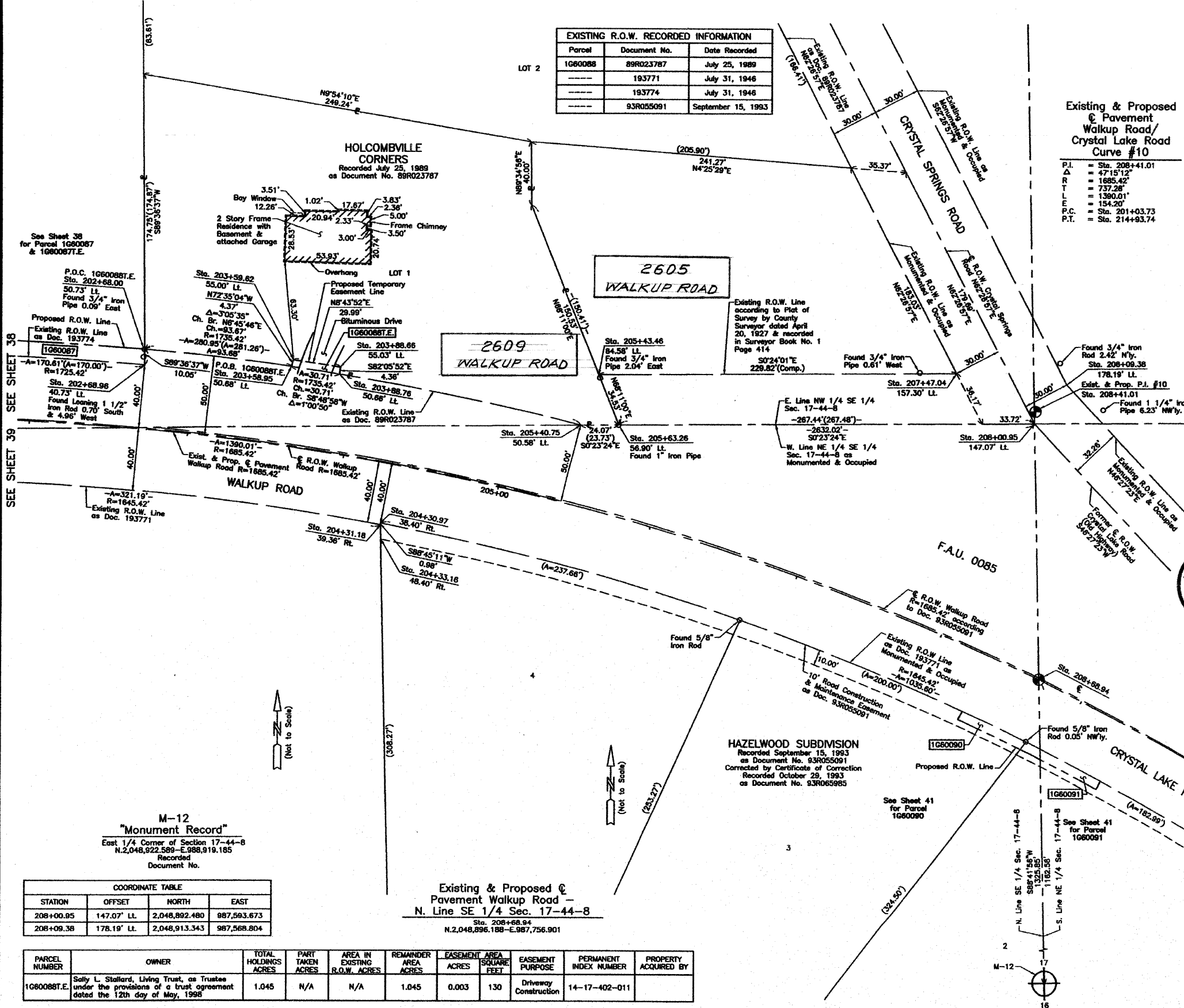
Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1987) East Zone, according to the H.A.R.N. Network.

Scale: 1"=30'

0 30' 60'

Existing & Proposed Pavement Walkup Road/ Crystal Lake Curve #10

P.I. = Sta. 208+41.01  
 Δ = 47'15"12"  
 R = 1885.42'  
 T.E. = 737.28'  
 E = 1390.01'  
 = 154.20'  
 P.C. = Sta. 201+03.73  
 P.T. = Sta. 214+93.74



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 HEREIN IN SECTION 17, TOWNSHIP 44N., 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.

STATE OF ILLINOIS }  
 COUNTY OF LAKE }  
 PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008  
 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
202+68.00	50.73' LL	2,048,324.474	987,547.628
202+68.96	40.73' LL	2,048,324.542	987,557.676
203+58.95	50.68' LL	2,048,417.463	987,558.658
203+58.62	55.00' LL	2,048,418.800	987,554.490
203+88.66	55.03' LL	2,048,448.440	987,559.042
203+88.76	50.66' LL	2,048,447.840	987,563.365
204+30.97	38.40' RL	2,048,474.082	987,658.428
204+31.18	39.36' RL	2,048,474.104	987,659.411
204+33.16	48.40' RL	2,048,474.305	987,668.653
205+40.75	50.58' LL	2,048,600.977	987,595.657
205+43.46	84.58' LL	2,048,612.215	987,563.438
205+63.26	56.90' LL	2,048,625.047	987,595.493
207+47.04	157.30' LL	2,048,642.032	987,561.832

M-12  
 "Monument Record"  
 East 1/4 Corner of Section 17-44-8  
 N.2,048,922.589-E.988,919.185  
 Recorded Document No.

STATION	OFFSET	NORTH	EAST
208+00.95	147.07' LL	2,048,892.480	987,593.673
208+09.38	178.19' LL	2,048,913.343	987,568.804

Existing & Proposed Pavement Walkup Road -  
 N. Line SE 1/4 Sec. 17-44-8  
 Sta. 208+68.94  
 N.2,048,896.188-E.987,756.901

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1060088T.E.	Sally L. Stallard, Living Trust, as Trustee under the provisions of a trust agreement dated the 12th day of May, 1998	1.045	N/A	N/A	1.045	0.003	130	Driveway Construction	14-17-402-011	

ROW	DATE	BY	REVISION

PART OF THE EAST 1/2 OF SEC. 17, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Table with columns: 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.

\*Area lying in 10' Road Construction & Maintenance Easement according to Hazelwood Subdivision

Schedule of Ties table with columns: Point Number, Tie to point, Tie Distance (feet).

SEE SHEET 42

LEGEND section including symbols for SECTION CORNER, QUARTER SECTION CORNER, 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, and EXISTING BUILDING. Includes a north arrow and scale 1"=30'.

EXISTING R.O.W. RECORDED INFORMATION table with columns: Parcel, Document No., Date Recorded.

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST.

Existing & Proposed Pavement Walkup Road/Crystal Lake Road Curve #10

Table with columns: P.L., Δ, R, T, L, E, P.C., P.T. and corresponding stationing values.

- IRON PIPE OR ROD FOUND, CUT CROSS FOUND OR SET, THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, STAKING OF PROPOSED RIGHT OF WAY, STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, PERMANENT SURVEY MARKER, RIGHT OF WAY STAKING PROPOSED TO BE SET.

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 HEREIN IN SECTION 17, TOWNSHIP 44N., 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. 35-2787 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

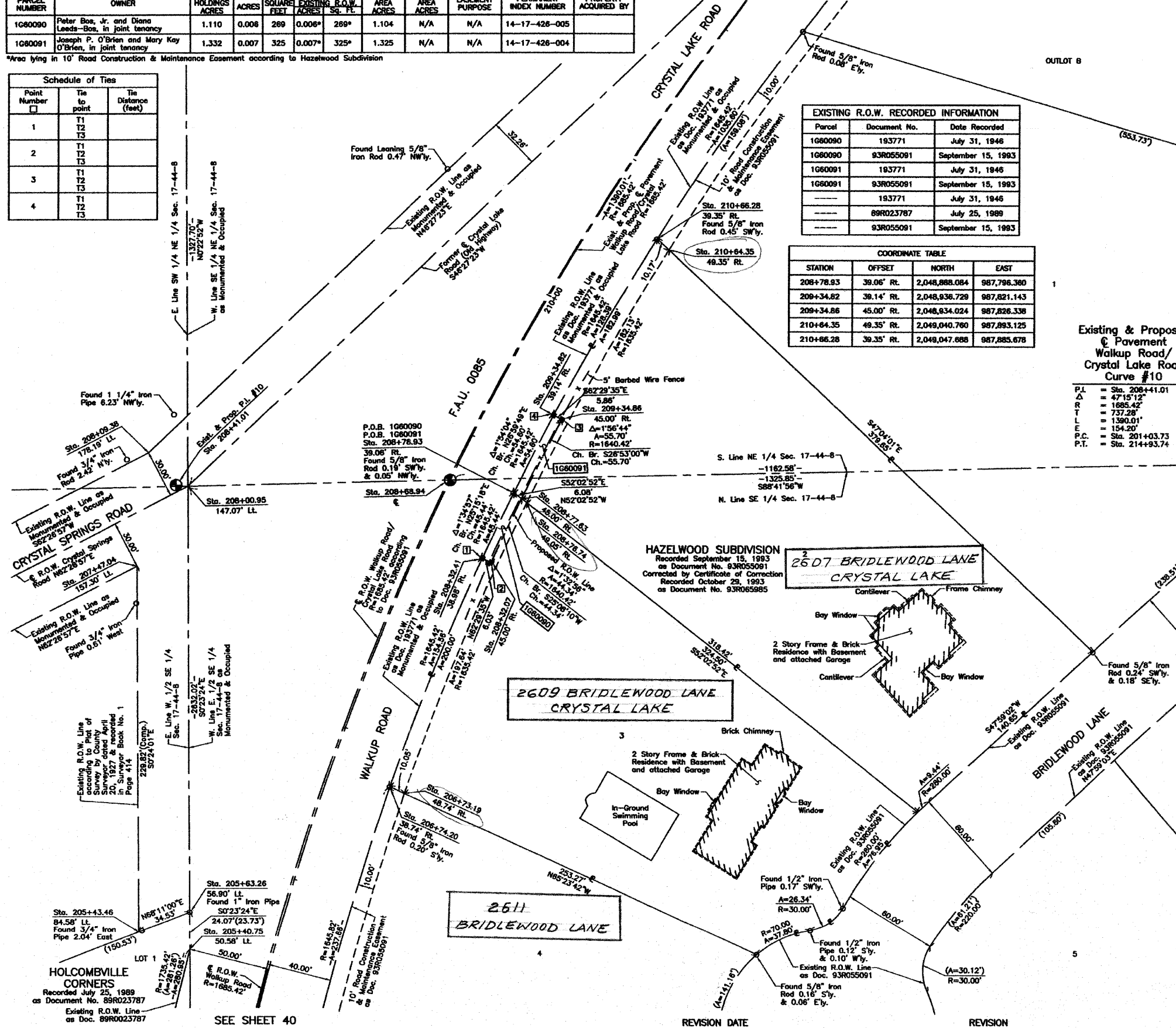
COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Includes note: NOTE: SURFACE COORDINATES ARE SHOWN.

JORGENSEN & ASSOCIATES, INC. 123 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. 0085 (WALKUP ROAD) SECTION 00-00246-00-PP McHENRY COUNTY PROJECT JOB NO. R-91-006-06 STATION 205+00 TO STATION 212+00 SCALE: 1"=30' SHEET 41 OF 74

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

Table with columns: ROW PLAT, DATE, BY, CHECKED, INKED, NOTEBOOK, NO.





PART OF THE NE 1/4 OF SEC. 17, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Table with columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT ACRES, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY. Includes parcels 1G80092.E, 1G80093, and 1G80094.E.

\*Area lying in 10' Road Construction & Maintenance Easement according to Hazelwood Subdivision

Existing & Proposed Walkup Road/Crystal Lake Road Curve #10

List of curve data: P.L. Sta. 208+41.01, Δ = 47°15'12", R = 1885.42', T = 737.28', L = 1390.01', E.C. = Sta. 201+03.73, P.T. = Sta. 214+83.74.

WALRICH'S SUBDIVISION Recorded June 21, 1978 as Document No. 736959

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Lists stationing from 214+82.83 to 217+81.23.

LEGEND with symbols for 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, PROPOSED EASEMENT, MEASURED DIMENSION, COMPUTED DIMENSION, RECORD DATA, EXISTING BUILDING, and a graphic scale of 1"=40'.

- List of symbols and their meanings: IRON PIPE OR ROD FOUND, SECTION CORNER, QUARTER SECTION CORNER, THESE STAKES REFERENCE FOUND OR SET MONUMENTAL... THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTAL... STAKING OF PROPOSED RIGHT OF WAY... STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS... PERMANENT SURVEY MARKER... RIGHT OF WAY STAKING PROPOSED TO BE SET.

EXISTING R.O.W. RECORDED INFORMATION with columns: Parcel, Document No., Date Recorded. Lists parcels 1G80092, 1G80093, 1G80094.E, and 1G80095.E.

Schedule of Ties with columns: Point Number, Tie to point, Tie Distance (feet). Lists points 1 through 7 and their distances.

Circular seal for CHRISTINA H. JORGENSEN, 2797 PROFESSIONAL LAND SURVEYOR NO. 35-2797, LICENSE EXPIRATION DATE: NOVEMBER 30, 2008.

NOTICE: SURFACE COORDINATES ARE SHOWN. STATE OF ILLINOIS, COUNTY OF LAKE. THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION...

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Lists stationing from 212+29.17 to 214+91.30.

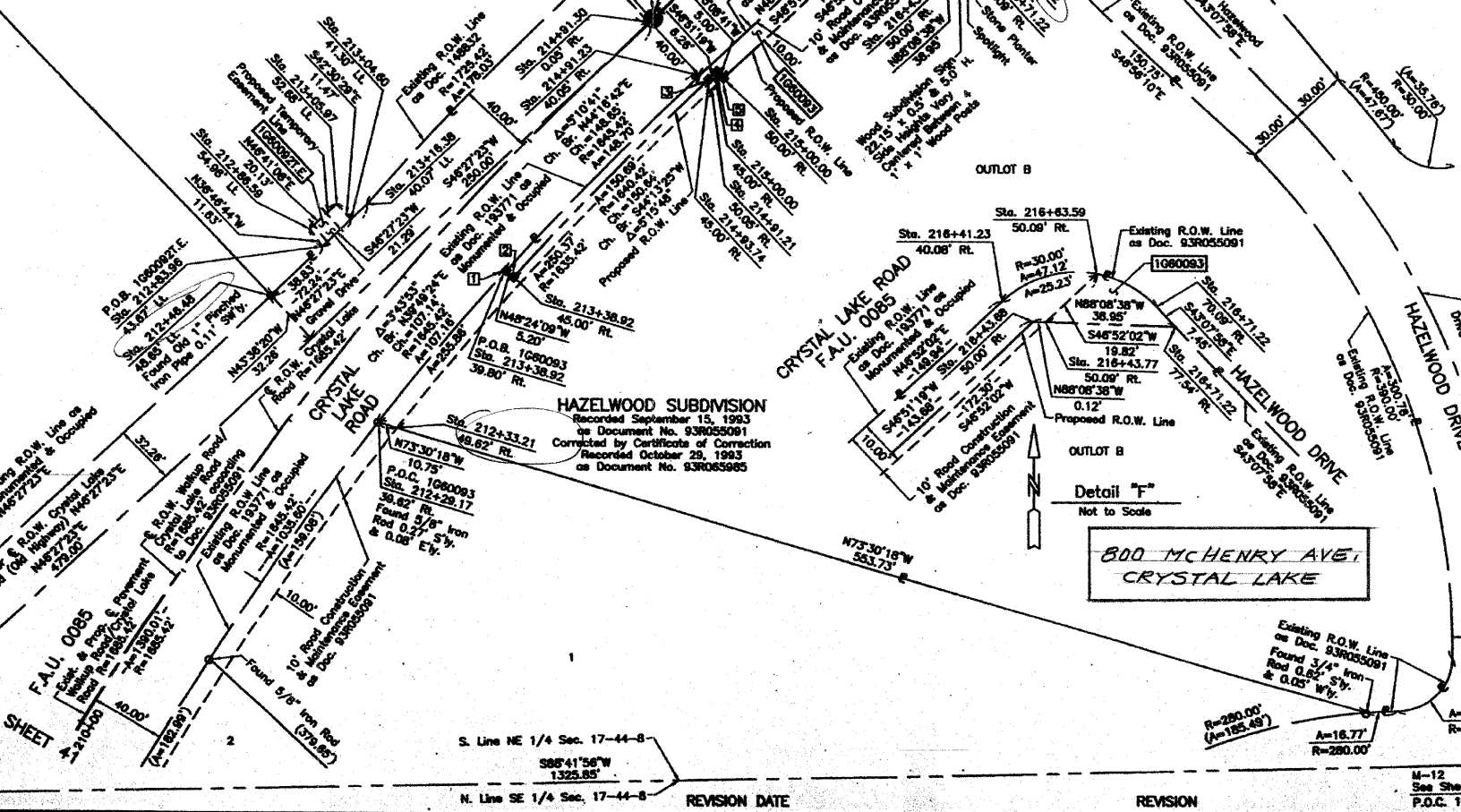
JORGENSEN & ASSOCIATES, INC. 120 PARK AVENUE, LAKE VILLA, ILLINOIS 60046. SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.U. 0085 (WALKUP ROAD) SECTION 00-00248-00-FP McHENRY COUNTY PROJECT JOB NO. R-91-008-08 STATION 210+00 TO STATION 219+00 SCALE: 1"=40' SHEET 42 OF 74. BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAMBURG, ILLINOIS 60196 AS DOCUMENT NO.

Table with columns: DATE, BY, ROW PLAT, CHECKED, NOTEBOOK NO. Includes a row for DATE.

Vertical text labels for section lines: E. Line SW 1/4 NE 1/4 Sec. 17-44-B, W. Line SE 1/4 NE 1/4 Sec. 17-44-B, W. Line SW 1/4 NE 1/4 Sec. 17-44-B.

6310 CRYSTAL SPRINGS ROAD



HAZELWOOD SUBDIVISION Recorded September 15, 1993 as Document No. 93R055081 Corrected by Certificate of Correction Recorded October 29, 1993 as Document No. 93R065085

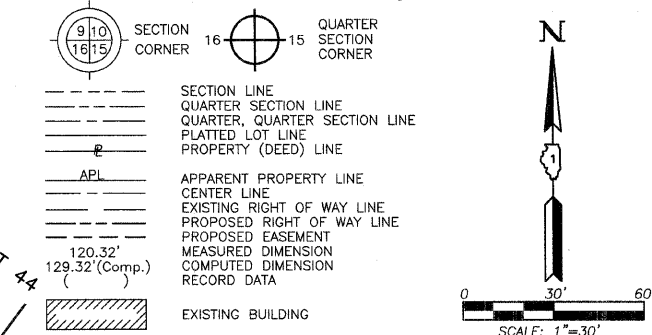
CRYSTAL LAKE ROAD F.A.U. 0085

800 McHENRY AVE, CRYSTAL LAKE

PART OF THE NE 1/4 OF SEC. 17, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
216+71.22	70.09' Rt.	2,049,467.494	988,301.536
217+04.22	67.10' Rt.	2,049,492.245	988,323.567
217+11.24	0.10' Rt.	2,049,545.926	988,282.868
217+18.22	67.10' Rt.	2,049,501.817	988,333.784
217+51.22	70.11' Rt.	2,049,522.189	988,359.918
217+58.87	50.11' Rt.	2,049,542.008	988,351.819
217+81.23	40.11' Rt.	2,049,564.593	988,361.300
218+32.64	40.12' Rt.	2,049,599.742	988,398.818
218+32.64	50.12' Rt.	2,049,592.444	988,405.655
218+34.99	39.88' Lt.	2,049,659.723	988,345.830
218+35.29	0.12' Rt.	2,049,630.739	988,373.398

LEGEND



- 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 TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 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 IN SECTION 17, TOWNSHIP 44N., 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, 2010  
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
214+90.28	39.95' Lt.	2,049,423.986	988,094.207
214+90.51	0.49' Rt.	2,049,394.694	988,122.088
214+91.23	40.05' Rt.	2,049,366.364	988,149.710
214+91.30	0.05' Rt.	2,049,395.554	988,122.363
214+92.93	0.05' Rt.	2,049,396.671	988,123.554
214+92.96	39.95' Lt.	2,049,425.862	988,096.206
215+74.16	39.93' Lt.	2,049,481.392	988,155.479
215+74.86	45.11' Lt.	2,049,485.655	988,152.446
215+96.23	39.92' Lt.	2,049,496.482	988,171.587
215+96.53	45.11' Lt.	2,049,500.471	988,168.254
216+20.20	39.92' Lt.	2,049,512.872	988,189.082
216+20.50	0.41' Lt.	2,049,484.252	988,216.318
216+41.23	40.08' Rt.	2,049,468.876	988,259.132

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. 0085 (WALKUP ROAD)  
SECTION 00-00246-00-FP McHENRY COUNTY  
PROJECT JOB NO. R-91-006-06  
STATION 214+00 TO STATION 222+00  
SCALE: 1"=30' SHEET 43 OF 74

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196  
AS DOCUMENT NO.

ROW PLAT	MADE	CHECKED	INKED
NOTEBOOK	NO		

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1G60094	148832	August 29, 1940
----	148832	August 29, 1940
----	193771	July 31, 1946
----	736959	June 21, 1978
----	93R055091	September 15, 1993

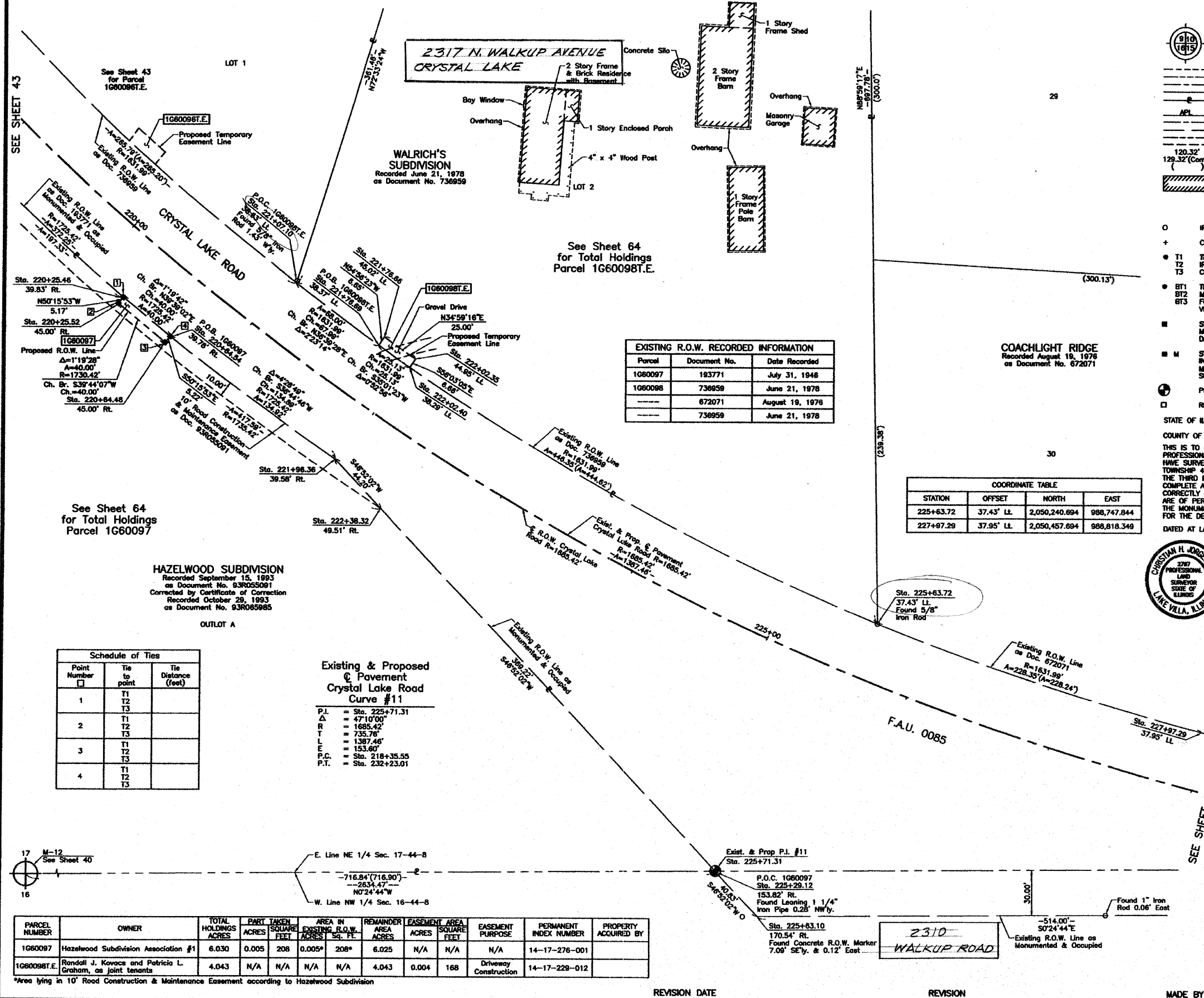
Existing & Proposed @ Pavement Walkup Road/Crystal Lake Road Curve #10  
P.I. = Sta. 208+41.01  
Δ = 47°15'12"  
R = 1685.42'  
T = 737.28'  
L = 1390.01'  
E = 154.20'  
P.C. = Sta. 201+03.73  
P.T. = Sta. 214+93.74

Existing & Proposed @ Pavement Crystal Lake Road Curve #11  
P.I. = Sta. 225+71.31  
Δ = 47°10'00"  
R = 1685.42'  
T = 735.76'  
L = 1387.46'  
E = 153.60'  
P.C. = Sta. 218+35.55  
P.T. = Sta. 232+23.01

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
1G60094T.E.	Jason Berg	1.164	N/A	N/A	1.164	0.003	113	Driveway Construction	14-17-200-006	

REVISION DATE January 15, 2010  
REVISION Eliminated Parcels 1G60095 & 1G60096  
MADE BY

PART OF THE NW 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 17, TWP. 44 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
- APL 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

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD83 (1997) East Zone, according to the H.A.R.N. Network.

- O IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR 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.
- 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.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIMENSION 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 IRON 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.

**EXISTING R.O.W. RECORDED INFORMATION**

Parcel	Document No.	Date Recorded
1060097	193771	July 31, 1948
1060098	736959	June 21, 1978
	672071	August 19, 1978
	736959	June 21, 1978

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
225+63.72	37.43' LL	2,050,240.694	988,747.844
227+87.29	37.95' LL	2,050,457.694	988,818.349

**COORDINATE TABLE**

STATION	OFFSET	NORTH	EAST
220+25.46	39.83' RL	2,049,742.585	988,534.802
220+25.52	45.00' RL	2,049,739.283	988,538.775
220+64.48	45.00' RL	2,049,770.043	988,564.345
220+64.54	39.78' RL	2,049,773.383	988,560.326
221+07.10	38.63' LL	2,049,855.414	988,525.256
221+76.66	45.02' LL	2,049,813.775	988,560.410
221+76.69	38.37' LL	2,049,909.958	988,565.849
221+96.36	39.58' RL	2,049,881.467	988,641.025
222+02.35	44.95' LL	2,049,934.257	988,574.745
222+02.40	38.29' LL	2,049,930.537	988,580.271
222+38.32	49.51' RL	2,049,911.688	988,673.283
225+29.12	153.82' RL	2,050,133.900	988,810.472
225+63.10	170.54' RL	2,050,161.818	988,940.272

**Schedule of Ties**

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	

**Existing & Proposed Pavement Crystal Lake Road Curve #11**

P.I. = Sta. 225+71.31  
 Δ = 47°10'00"  
 R = 1685.42'  
 T = 735.78'  
 L = 1387.46'  
 E = 153.60'  
 P.C. = Sta. 218+35.55  
 P.T. = Sta. 232+23.01

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. SQUARE FEET	REMAINDER AREA SQUARE FEET	EASEMENT ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1060097	Hazelwood Subdivision Association #1	6.030	0.005	208	0.005*	208*	6.025	N/A	N/A	N/A
1060098T.E.	Randall J. Kovacs and Patricia L. Graham, as joint tenants	4.043	N/A	N/A	N/A	4.043	0.004	168	14-17-229-012	Driveway Construction

\*Area lying in 10' Road Construction & Maintenance Easement according to Hazelwood Subdivision

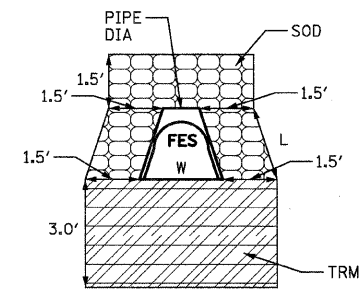
**PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

F.A.U. 0085 (WALKUP ROAD)

SECTION 00-00246-00-FP McHENRY COUNTY PROJECT JOB NO. R-91-006-06 STATION 219+00 TO STATION 228+00 SCALE: 1"=30' SHEET 44 OF 74

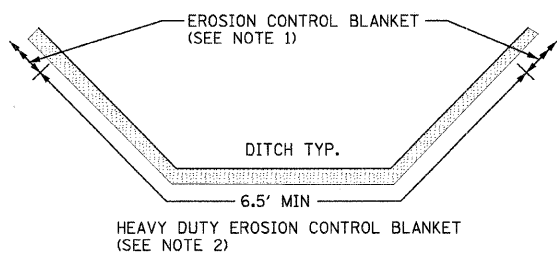
**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

AS DOCUMENT NO.



PIPE DIA. (INCH)	L (FT)	W (FT)	SOD (SQ YD)	TRM (SQ YD)
12	2.0	2.3	1.3	1.8
18	2.3	3.4	1.5	2.1
24	3.6	4.5	2.0	2.5
30	4.5	5.6	2.4	2.9
36	5.3	6.7	2.8	3.2

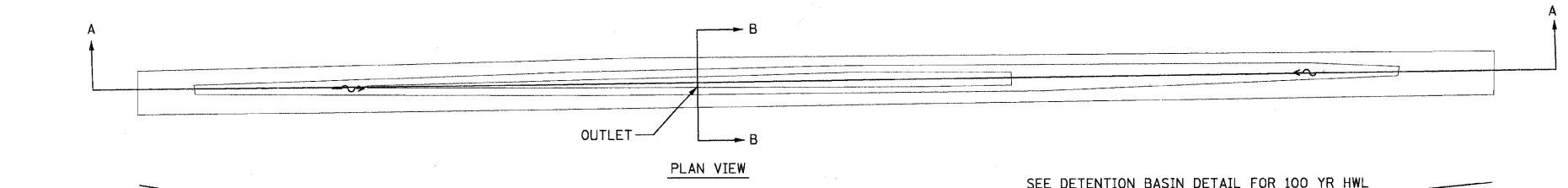
TURF REINFORCEMENT MAT (TRM) AND SOD DETAIL



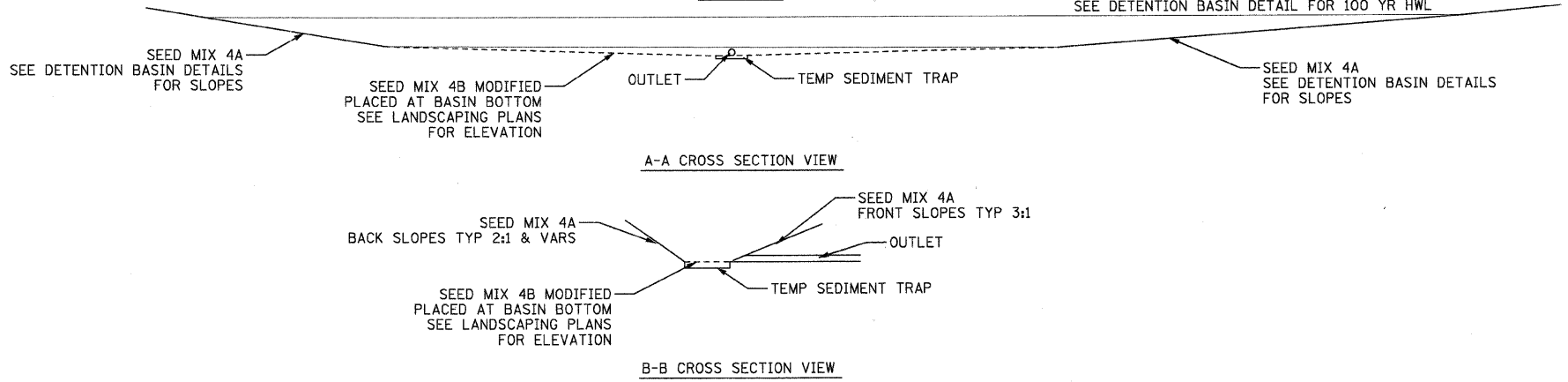
EROSION CONTROL BLANKET DETAIL

NOTES

1. HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED ON SLOPES STEEPER THAN 3:1. EROSION CONTROL BLANKET SHALL BE USED ON SLOPES 3:1 AND FLATTER
2. HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED ON DITCH BOTTOMS AND SHALL BE PLACED TO THE SAME ELEVATION ON BOTH SIDES OF THE DITCH AND AS DIRECTED BY THE ENGINEER.



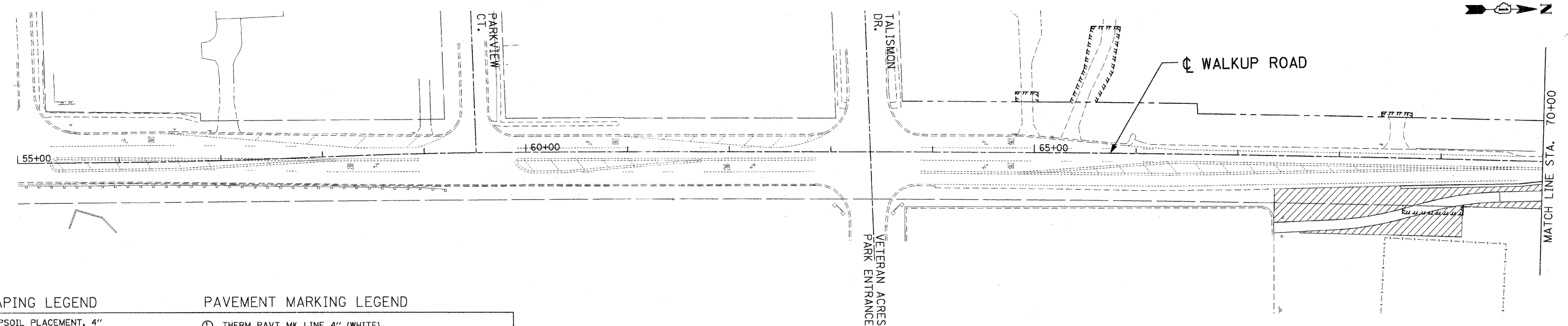
PLAN VIEW



A-A CROSS SECTION VIEW

B-B CROSS SECTION VIEW

TYPICAL DETENTION BASIN PLANTING DETAIL



LANDSCAPING LEGEND

- TOPSOIL PLACEMENT, 4" SEEDING CL 2A
- EROSION CONTROL BLANKET AND HEAVY DUTY EROSION CONTROL BLANKET (SEE DETAIL ON SHEET 120)
- SODDING SALT TOLERANT AND TURF REINFORCEMENT MAT (SEE DETAIL ON SHEET 120)
- SODDING, SALT TOLERANT

PAVEMENT MARKING LEGEND

- ① THERM PAVT MK LINE 4" (WHITE)
- ② THERM PAVT MK LINE 4" (YELLOW)
- ③ THERM PAVT MK LINE 6" (WHITE)
- ④ THERM PAVT MK LINE 12" (WHITE)
- ⑤ THERM PAVT MK LINE 12" (YELLOW)
- ⑥ THERM PAVT MK LINE 24" (WHITE)
- ⑦ THERM PAVT MK L&S

PAVEMENT MARKING TO FOLLOW IDOT D1 DETAIL TC-13.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

### PAVT MARKING & LANDSCAPING

#### WALKUP ROAD

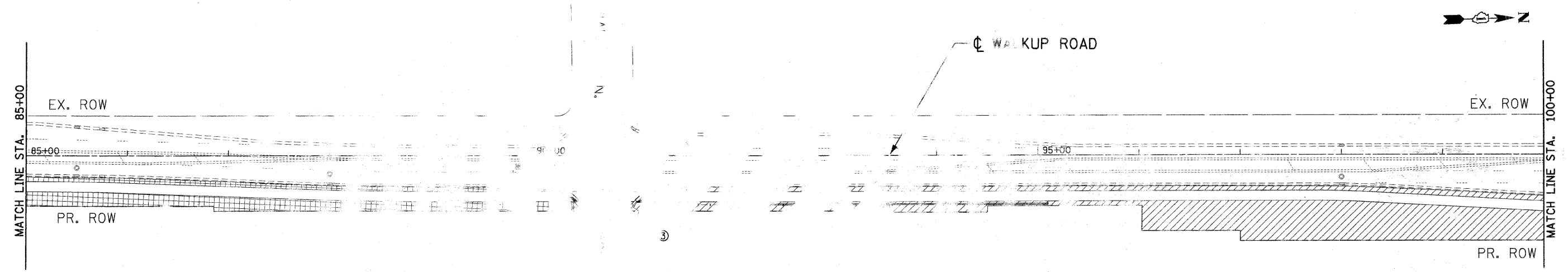
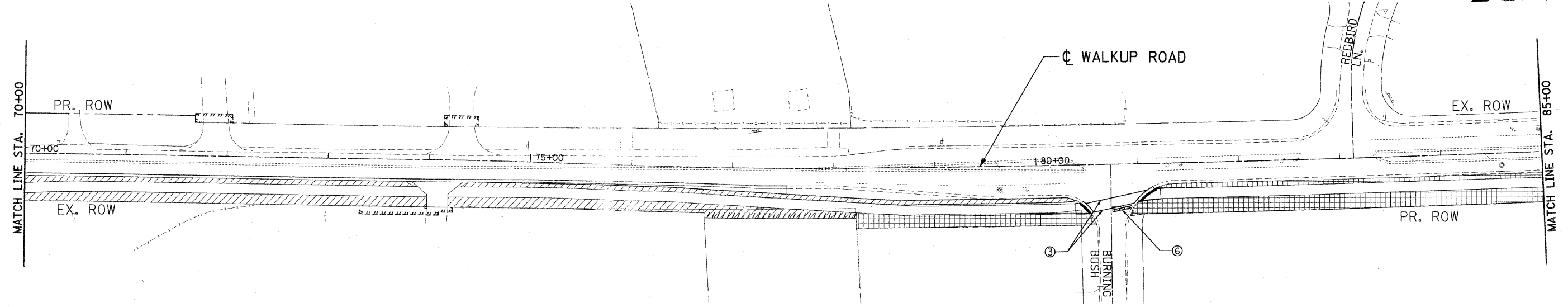
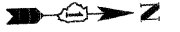
#### STA 55+00 TO STA 70+00

SCALE: 1" = 50'  
DATE: 12/01/09

DRAWN BY: MZD  
CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
208 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/816-0000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	121
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



**LANDSCAPING LEGEND**

- TOPSOIL PLACEMENT, 4" SEEDING CL 2A EROSION CONTROL BLANKET AND HEAVY DUTY EROSION CONTROL BLANKET (SEE DETAIL ON SHEET 120)
- SODDING, SALT TOLERANT AND TURF REINFORCEMENT MAT (SEE DETAIL ON SHEET 120)
- SODDING, SALT TOLERANT

**PAVEMENT MARKING LEGEND**

- ① THERM PAVT MK LINE 4" (WHITE)
- ② THERM PAVT MK LINE 4" (YELLOW)
- ③ THERM PAVT MK LINE 6" (WHITE)
- ④ THERM PAVT MK LINE 12" (WHITE)
- ⑤ THERM PAVT MK LINE 12" (YELLOW)
- ⑥ THERM PAVT MK LINE 24" (WHITE)
- ⑦ THERM PAVT MK L&S

PAVEMENT MARKING TO FOLLOW DOT & SR FC 13.

REVISIONS	
NAME	DATE

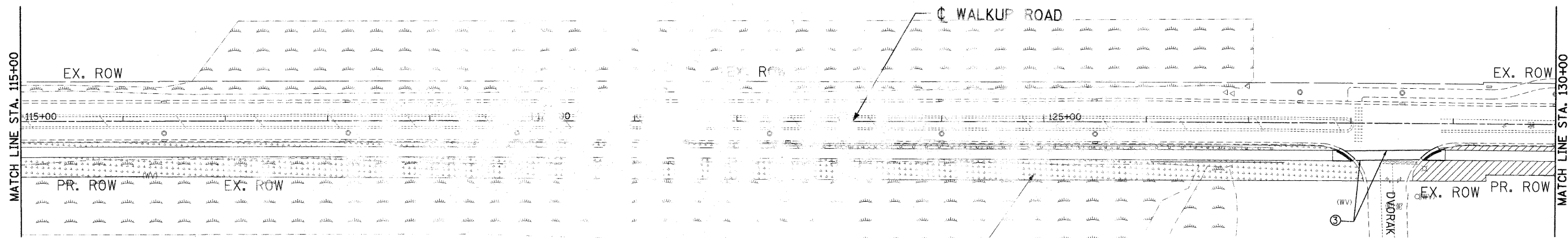
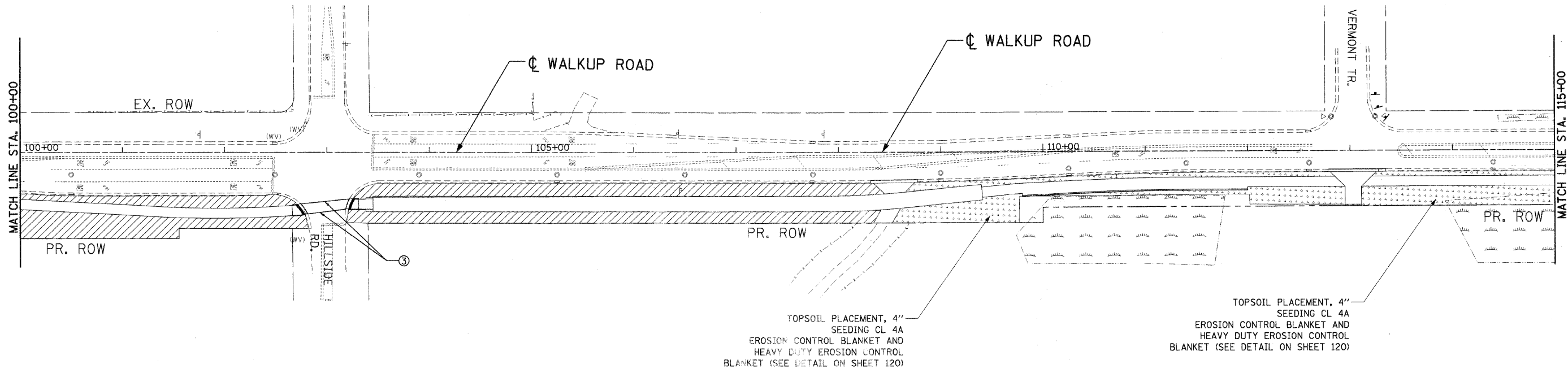
MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**PAVT MARKING & LANDSCAPING**  
**WALKUP ROAD**  
**STA 70+00 TO STA 100+00**

SCALE: 1" = 50'                      DRAWN BY: MZD  
DATE: 12/01/09                      CHECKED BY: MCD

**TENG**                      TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 W. MICHIGAN AVE. - CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	122
STA. 100+00 TO STA. 115+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



**LANDSCAPING LEGEND**

- TOPSOIL PLACEMENT, 4" SEEDING CL 2A EROSION CONTROL BLANKET AND HEAVY DUTY EROSION CONTROL BLANKET (SEE DETAIL ON SHEET 120)
- SODDING SALT TOLERANT AND TURF REINFORCEMENT MAT (SEE DETAIL ON SHEET 120)
- SODDING, SALT TOLERANT

**PAVEMENT MARKING LEGEND**

- ① THERM PAVT MK LINE 4" (WHITE)
- ② THERM PAVT MK LINE 4" (YELLOW)
- ③ THERM PAVT MK LINE 6" (WHITE)
- ④ THERM PAVT MK LINE 12" (WHITE)
- ⑤ THERM PAVT MK LINE 12" (YELLOW)
- ⑥ THERM PAVT MK LINE 24" (WHITE)
- ⑦ THERM PAVT MK L&S

PAVEMENT MARKING TO FOLLOW IDOT D1 DETAIL TC-13.

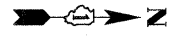
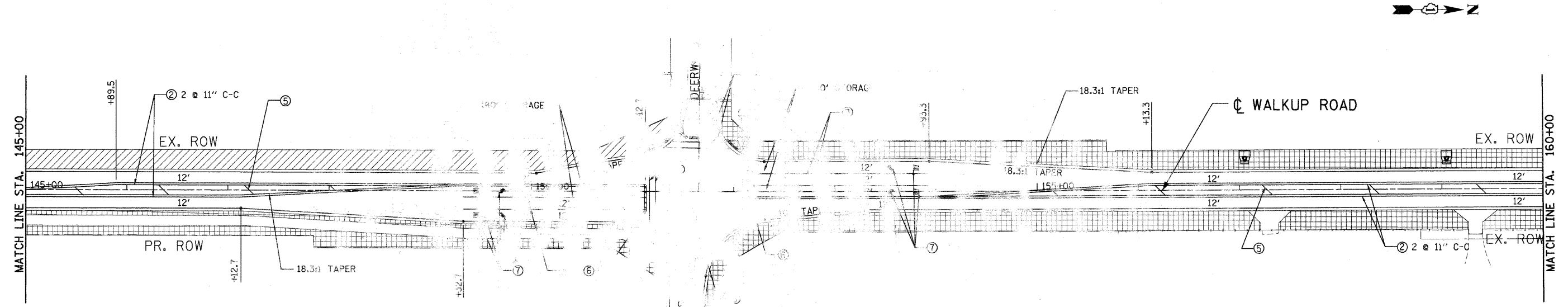
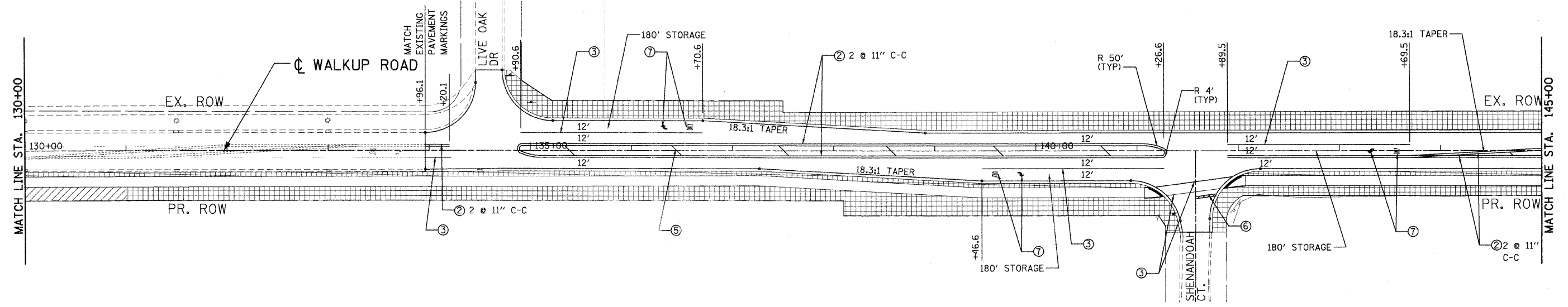
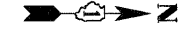
REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**PAVT MARKING & LANDSCAPING  
WALKUP ROAD  
STA 100+00 TO STA 130+00**

SCALE: 1" = 50' DRAWN BY: MZD  
DATE: 12/01/09 CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
209 N. MICHIGAN AVE. CHICAGO, IL 60601  
TELEPHONE: 312/616-0000



**LANDSCAPING LEGEND**

- TOPSOIL PLACEMENT, 4" SEEDING CL 2A EROSION CONTROL BLANKET AND HEAVY DUTY EROSION CONTROL BLANKET (SEE DETAIL ON SHEET 120)
- SODDING SALT TOLERANT AND TURF REINFORCEMENT MAT (SEE DETAIL ON SHEET 120)
- SODDING, SALT TOLERANT

**PAVEMENT MARKING LEGEND**

- ① THERM PAVT MK LINE 4" (WHITE)
- ② THERM PAVT MK LINE 4" (YELLOW)
- ③ THERM PAVT MK LINE 6" (WHITE)
- ④ THERM PAVT MK LINE 12" (WHITE)
- ⑤ THERM PAVT MK LINE 12" (YELLOW)
- ⑥ THERM PAVT MK LINE 24" (WHITE)
- ⑦ THERM PAVT MK L&S

PAVEMENT MARKING TO FOLLOW IDOT D1 DETAIL TC-13.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**PAVT MARKING & LANDSCAPING  
WALKUP ROAD  
STA 130+00 TO STA 160+00**

SCALE: 1" = 50'  
DATE: 12/01/09

DRAWN BY: MZD  
CHECKED BY: MZD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
209 N. MICHIGAN AVE. CHICAGO, IL 60601  
TELEPHONE: 312/461-9000











SIGN ID	ROAD	EXISTING LOCATION		RELOCATED		SIGN DESCRIPTION	GROUND MOUNTING TYPE	HEIGHT FT	WIDTH FT	AREA SQ. FT	PROP. ACTION	PANEL TYPE	REMOVE SIGN	REMOVE SIGN	RELOCATE SIGN	RELOCATE SIGN	
		STATION	OFFSET	STATION	OFFSET								PANEL TY 1	PANEL TY 2	PANEL TY 1	PANEL TY 2	
S-70A	WALKUP RD	208+71	-51.0			CRYSTAL SPRINGS RD	TELESCOPING	1.00	4.00	4.00	REMOVE	1	4.00				
S-71	CRYSTAL SPRING RD	207+86	-42.0			STOP SIGN	WOOD POST	3.00	3.00	7.45	REMOVE	1	7.45				
S-73	WALKUP RD	198+93	-24.0			SPEED LIMIT 45	WOOD POST	3.00	2.50	7.50	REMOVE	1	7.50				
S-74	WALKUP RD	198+20	-24.0			SCHOOL BUS STOP AHEAD	WOOD POST	3.00	3.00	9.00	REMOVE	1	9.00				
S-75	WALKUP RD/ OAKWOOD MANOR DR	190+19	-39.0	190+07	-37.0	STREET SIGN (OAKWOOD MANOR DR)	TELESCOPING	0.75	4.00	3.00	RELOCATE	1	3.00			3.00	
S-75A	WALKUP RD/ OAKWOOD MANOR DR	190+19	-39.0	190+07	-37.0	STREET SIGN (OAKWOOD MANOR DR)	TELESCOPING	0.75	4.00	3.00	RELOCATE	1	3.00			3.00	
S-76	OAKWOOD MANOR DR	190+23	-51.0			STOP SIGN	TELESCOPING	3.00	3.00	7.45	REMOVE	1	7.45				
S-77	WALKUP RD	189+35	-26.0			CROSS ROAD	TELESCOPING	3.00	3.00	9.00	REMOVE	1	9.00				
S-77A	WALKUP RD	189+35	-26.0			EDGEWOOD RD (LEFT) BERRY CT (RIGHT)	TELESCOPING	1.50	3.00	4.50	REMOVE	1	4.50				
S-78	WALKUP RD	182+40	-40.0			STREET SIGN (WALKUP RD)	TELESCOPING	0.75	3.00	2.25	REMOVE	1	2.25				
S-78A	WALKUP RD	182+40	-40.0			STREET SIGN (EDGEWATER RD)/ (BERRY CT)	TELESCOPING	1.50	3.00	4.50	REMOVE	1	4.50				
S-79	BERRY CT	182+24	-61.0	182+32	-94.0	RED SQUARE	TELESCOPING	1.50	1.50	2.25	RELOCATE	1	2.25			2.25	
S-79A	BERRY CT	182+24	-61.0	182+32	-94.0	WEIGHT LIMIT 5 TONS	TELESCOPING	2.50	2.00	5.00	RELOCATE	1	5.00			5.00	
S-79B	BERRY CT	182+24	-61.0	182+32	-94.0	NO THRU TRUCK TRAFFIC	TELESCOPING	2.00	1.50	3.00	RELOCATE	1	3.00			3.00	
S-80	BERRY CT	181+77	-37.0			STOP SIGN	WOOD POST	3.00	3.00	7.45	REMOVE	1	7.45				
S-81	WALKUP RD	179+87	-22.0			SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	REMOVE	1	7.50				
S-82	WALKUP RD	164+86	-23.0			NO PASSING ZONE	TELESCOPING	4.00	5.00	10.00	REMOVE	2		10			
S-84	WALKUP RD	158+87	-22.0			CROSS ROAD	WOOD POST	3.00	3.00	9.00	REMOVE	1	9.00				
S-84A	WALKUP RD	158+87	-22.0			PLEASANT HILL RD (LEFT) DEERWOOD DR (RIGHT)	WOOD POST	1.50	3.00	4.50	REMOVE	1	4.50				
S-85	WALKUP RD	152+66	-42.0			RIGHT TURN ONLY	TELESCOPING	2.50	2.00	5.00	REMOVE	1	5.00				
S-86	DEERWOOD DR	151+87	-77.0	151+91	-79.0	WEIGHT LIMIT 8 TONS	TELESCOPING	2.50	2.00	5.00	RELOCATE	1	5.00			5.00	
S-87	DEERWOOD DR	151+46	-51.0			STOP SIGN	TELESCOPING	3.00	3.00	7.45	REMOVE	1	7.45				
S-88	DEERWOOD DR	151+37	-48.0			DEERWOOD DRIVE	WOOD POST	3.50	5.00	7.45	RELOCATE	1	7.45			7.45	
S-89	WALKUP RD	149+65	-23.0			SPEED LIMIT 40	WOOD POST	3.00	2.50	7.50	REMOVE	1	7.50				
S-90	WALKUP RD	142+88	-22.0	143+11	-32.0	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	RELOCATE	1	6.25			6.25	
S-90A	WALKUP RD	142+88	-22.0	143+11	-32.0	YOUR GROUP NAME HERE	TELESCOPING	2.50	1.50	3.75	RELOCATE	1	3.75			3.75	
S-91	WALKUP RD	137+22	-30.0	138+22	-36.0	PRAIRIE RIDGE HIGH SCHOOL 2008 IHSA CHAMPION	TELESCOPING	2.50	4.00	10.00	RELOCATE	2		10			10
S-92	WALKUP RD	135+75	-28.0			SCHOOL ZONE SPEED LIMIT AHEAD	TELESCOPING	3.00	3.00	9.00	REMOVE	1	9.00				
S-95	LIVE OAK RD	134+21	-39.0			STOP SIGN	WOOD POST	3.00	3.00	7.45	REMOVE	1	7.45				
S-96	WALKUP RD	132+16	-29.0			SCHOOL	TELESCOPING	3.00	3.00	9.00	REMOVE	1	9.00				
S-96A	WALKUP RD	132+16	-29.0			AHEAD	TELESCOPING	1.00	2.00	2.00	REMOVE	1	2.00				
S-97	WALKUP RD	131+99	-28.0			LEFT TURN ONLY/ THRU	TELESCOPING	2.50	2.50	6.25	REMOVE	1	6.25				
S-98	WALKUP RD	130+22	-32.0			SCHOOL SPEED LIMIT 20 WHEN CHILDREN PRESENT	METAL POST	4.00	2.00	8.00	REMOVE	1	8.00				
S-99	WALKUP RD	128+28	-32.0			SCHOOL	TELESCOPING	3.00	3.00	9.00	REMOVE	1	9.00				
S-99A	WALKUP RD	128+28	-32.0			LEFT DOWN ARROW	TELESCOPING	1.75	1.25	2.19	REMOVE	1	2.19				
S-100	WALKUP RD	125+98	-43.0			SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	REMOVE	1	7.50				
S-105	VERMONT TR	112+80	-52.0			STOP SIGN	WOOD POST	3.00	3.00	7.45	REMOVE	1	7.45				
S-106	WALKUP RD	110+40	-24.0			STOP LIGHT HILLSIDE RD	TELESCOPING	1.50	5.00	7.50	REMOVE	1	7.50				
S-107	WALKUP RD	107+85	-18.0			LEFT TURN ONLY/ THRU/ RIGHT TURN ONLY	TELESCOPING	2.50	3.00	7.50	REMOVE	1	7.50				
S-108	WALKUP RD	106+42	-19.0			SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	REMOVE	1	7.50				
S-112	WALKUP RD	95+60	-23.0			LEFT TURN ONLY/ THRU/ RIGHT TURN ONLY	WOOD POST	2.50	3.00	7.50	REMOVE	1	7.50				
S-113	WALKUP RD	93+15	-30.0			SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	REMOVE	1	7.50				
S-115B	WALKUP RD/ WALKUP LN	90+24	-28.0			STOP SIGN	TELESCOPING	3.00	3.00	7.45	REMOVE	1	7.45				
S-116	WALKUP RD	87+19	-23.0			THRU/ RIGHT TURN ONLY	TELESCOPING	2.50	2.50	7.45	REMOVE	1	7.45				
S-119B	WALKUP RD/ REDBIRD LN	82+87	-37.0			STOP SIGN	TELESCOPING	3.00	3.00	7.45	REMOVE	1	7.45				
S-120	WALKUP RD	79+07	-25.0			SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	REMOVE	1	7.50				
										TOTAL			659.1	30	107.63		20

NOTE:

- 1) FOR EXISTING ROADWAY SIGNS TO "REMAIN" REFER SHEET 3 OF 3 UNDER EXISTING SIGNING SCHEDULE
- 2) FOR SCHEDULE OF QUANTITIES FOR "RELOCATION" REFER SHEET 2 OF 2 UNDER PROPOSED SIGNING SCHEDULE

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

### SIGNING SCHEDULE EXISTING SIGNS SHEET 2 OF 3

SCALE: N.T.S. DRAWN BY: MAM  
DATE: 08/17/09 CHECKED BY: BRH



TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE. - CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

SIGN ID	ROAD	EXISTING LOCATION		MUTCD CODE	SIGN DESCRIPTION	GROUND MOUNTING TYPE	HEIGHT FT	WIDTH FT	AREA SQ. FT	PROP. ACTION	PANEL TYPE
		STATION	OFFSET								
S-1	WALKUP RD	73+97	47.0	CUSTOM	PARK HOURS 9 AM TO DUSK	TELESCOPING	1.50	1.00	1.50	REMAIN	1
S-6	WALKUP RD/ BURNING BUSH	81+02	48.0	CUSTOM	BURNING BUSH	UTILITY POLE	2.50	0.75	1.88	REMAIN	1
S-6A	WALKUP RD/ BURNING BUSH	81+02	48.0	CUSTOM	WALKUP RD	UTILITY POLE	3.50	0.75	2.63	REMAIN	1
S-8	WALKUP RD/ INDIAN HILL TR	90+46	51.0	CUSTOM	INDIAN HILL TR	METAL POST	3.50	0.75	2.63	REMAIN	1
S-8A	WALKUP RD/ INDIAN HILL TR	90+46	51.0	CUSTOM	INDIAN HILL TR	METAL POST	3.50	0.75	2.63	REMAIN	1
S-13	HILLSIDE RD	102+77	150.0	R2-1	SPEED LIMIT 35	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-13A	HILLSIDE RD	102+77	150.0	R12-2	AXLE WEIGHT LIMIT 8 TONS	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-22	WALKUP RD/ DVORAK DR	128+67	44.0	CUSTOM	DVORAK DR	TELESCOPING	0.75	3.00	2.25	REMAIN	1
S-22A	WALKUP RD/ DVORAK DR	128+67	44.0	CUSTOM	DVORAK DR	TELESCOPING	0.75	3.00	2.25	REMAIN	1
S-22C	WALKUP RD/ DVORAK DR	128+67	44.0	CUSTOM	BUCKLE UP WOLVES	TELESCOPING	1.50	1.00	1.50	REMAIN	1
S-26	WALKUP RD/ SHENANDOAH CT	141+15	53.0	CUSTOM	SHENANDOAH ESTATES		2.80	8.00		REMAIN	1
S-27	SHENANDOAH CT	141+37	177.0	CUSTOM	NO PARKING ON TOWNSHIP ROADS	TELESCOPING	2.00	1.50	3.00	REMAIN	1
S-29	SHENANDOAH CT	141+97	56.0	CUSTOM	SHENANDOAH ESTATES		2.80	8.00		REMAIN	1
S-32	PLEASANT HILL RD	151+24	160.0	R2-1	SPEED LIMIT 40	WOOD POST	3.00	2.50	7.50	REMAIN	1
S-36	HIDDEN OAK DR	168+46	199.0	R2-1	SPEED LIMIT 25	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-38	HIDDEN OAK DR	169+02	58.0	CUSTOM	"THE SPRINGS" - HIDDEN OAK DRIVE	WOOD POST	2.50	3.30		REMAIN	1
S-39	WALKUP RD	173+70	32.0	CUSTOM	"R" PLACE 2	WOOD POST	2.00	2.00		REMAIN	1
S-43	EDGEWOOD RD	181+91	193.0	R2-1	SPEED LIMIT 30	WOOD POST	2.50	2.00	5.00	REMAIN	1
S-43A	EDGEWOOD RD	181+91	193.0	CUSTOM	NO THRU TRUCK TRAFFIC	WOOD POST	2.00	1.50	3.00	REMAIN	1
S-46	RUNNING IRON DR	190+29	119.0	R2-1	SPEED LIMIT 25	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-46A	RUNNING IRON DR	190+29	119.0	CUSTOM	NO PARKING ANY TIME	TELESCOPING	1.50	1.00	1.50	REMAIN	1
S-56	HAZELWOOD DR	216+59	69.0	CUSTOM	HAZELWOOD ENTRANCE SIGN					REMAIN	1
S-56A	HAZELWOOD DR	216+59	69.0	CUSTOM	HAZELWOOD ENTRANCE SIGN					REMAIN	1
S-57	HAZELWOOD DR	216+86	141.0	W14-2	NO OUTLET	TELESCOPING	2.50	2.50	6.25	REMAIN	1
S-59	CRYSTAL LAKE RD	230+71	23.0	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	REMAIN	1
S-60	CRYSTAL LAKE RD	230+59	-24.0	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	REMAIN	1
S-61	CRYSTAL LAKE RD	228+92	-33.0	CUSTOM	ANVIL RD	TELESCOPING	0.75	2.00	1.50	REMAIN	1
S-61A	CRYSTAL LAKE RD	228+92	-33.0	CUSTOM	ANVIL RD	TELESCOPING	0.75	2.00	1.50	REMAIN	1
S-62	CRYSTAL LAKE RD/ ANVIL RD	228+99	-52.0	CUSTOM	COACHLIGHT RIDGE ENTRANCE		2.50	8.00		REMAIN	1
S-63	ANVIL RD	228+75	-60.0	R12-1	WEIGHT LIMIT 5 TONS	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-64	ANVIL RD	228+80	-172.0	R2-1	SPEED LIMIT 25	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-64A	ANVIL RD	228+80	-172.0	CUSTOM	NO PARKING ON TOWNSHIP ROADS	TELESCOPING	2.00	1.50	3.00	REMAIN	1
S-65	ANVIL RD	228+27	-37.0	R1-1	STOP SIGN	WOOD POST	3.00	3.00	7.45	REMAIN	1
S-72	WALKUP RD	207+31	-42.0	CUSTOM	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	REMAIN	1
S-72A	WALKUP RD	207+31	-42.0	CUSTOM	MCHENRY COUNTY RETIRED TEACHERS	TELESCOPING	2.50	1.50	3.75	REMAIN	1
S-83	WALKUP RD	161+58	-62.0	CUSTOM	CHRISTIAN FELLOWSHIP CHURCH		3.50	7.70		REMAIN	1
S-93	WALKUP RD	135+01	-50.0	CUSTOM	DEERWOOD DRIVE	WOOD POST	3.50	5.00	17.50	REMAIN	2
S-94	WALKUP RD/ LIVE OAK RD	134+80	-77.0	CUSTOM	STREET SIGN (LIVE OAK RD)	TELESCOPING	0.75	3.00	2.25	REMAIN	1
S-94A	WALKUP RD/ LIVE OAK RD	134+80	-77.0	CUSTOM	STREET SIGN (LIVE OAK RD)	TELESCOPING	0.75	3.00	2.25	REMAIN	1
S-101	WALKUP RD/ VERMONT TR	113+36	-32.0	CUSTOM	STREET SIGN (VERMONT TR)	TELESCOPING	0.75	2.50	1.88	REMAIN	1
S-101A	WALKUP RD/ VERMONT TR	113+36	-32.0	CUSTOM	STREET SIGN (VERMONT TR)	TELESCOPING	0.75	2.50	1.88	REMAIN	1
S-102	VERMONT TR	113+28	-43.0	CUSTOM	COVERED BRIDGE TRIALS - VERMONT TRAIL	WOOD POST	4.00	4.00	16.00	REMAIN	2
S-103	VERMONT TR	113+26	-56.0	R12-1	WEIGHT LIMIT 4 TONS	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-104	VERMONT TR	113+32	-198.0	R2-1	SPEED LIMIT 25	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-109	HILLSIDE RD	103+19	-107.0	CUSTOM	MCHENRY COUNTY SCENIC DRIVE	TELESCOPING	1.50	3.00	4.50	REMAIN	1
S-110	HILLSIDE RD	103+24	-192.0	R12-1	WEIGHT LIMIT 5 TONS	WOOD POST	2.50	2.00	5.00	REMAIN	1
S-111	WALKUP RD	101+75	-18.0	CUSTOM	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	REMAIN	1
S-111A	WALKUP RD	101+75	-18.0	CUSTOM	BOY SCOUT TROOP 580 / NEXT MILE	TELESCOPING	2.50	1.50	3.75	REMAIN	1
S-114	WALKUP RD	91+20	-47.0	CUSTOM	WALKUP WOODS	WOOD POST	4.00	4.00		REMAIN	1
S-115	WALKUP RD/ WALKUP LN	90+24	-28.0	CUSTOM	STREET SIGN (WALKUP LN)	TELESCOPING	1.00	3.00	3.00	REMAIN	1
S-115A	WALKUP RD/ WALKUP LN	90+24	-28.0	CUSTOM	STREET SIGN (WALKUP LN)	TELESCOPING	1.00	3.00	3.00	REMAIN	1
S-117	WALKUP RD/ REDBIRD LN	83+52	-58.0	CUSTOM	"HERITAGE" ESTATES	WOOD POST	4.00	4.00		REMAIN	1
S-118	REDBIRD LN	83+33	-97.0	R2-1	SPEED LIMIT 25	TELESCOPING	2.50	2.00	5.00	REMAIN	1
S-119	WALKUP RD/ REDBIRD LN	82+87	-37.0	CUSTOM	STREET SIGN (REDBIRD LN)	TELESCOPING	1.00	3.00	3.00	REMAIN	1
S-119A	WALKUP RD/ REDBIRD LN	82+87	-37.0	CUSTOM	STREET SIGN (REDBIRD LN)	TELESCOPING	1.00	3.00	3.00	REMAIN	1
S-121	WALKUP RD	74+97	-13.0	CUSTOM	CITY OF CRYSTAL LAKE	TELESCOPING	0.75	2.50	1.88	REMAIN	1
S-121A	WALKUP RD	74+97	-13.0	CUSTOM	OUTSIDE WATER USAGE "CONSERVATION"	TELESCOPING	2.50	2.50	6.25	REMAIN	1
								TOTAL	208.33		

NOTE:  
1) ABOVE ROADWAY SIGNS ARE TO REMAIN  
2) FOR SCHEDULE OF QUANTITIES FOR "RELOCATION" REFER SHEET 2 OF 2 UNDER PROPOSED SIGNING SCHEDULE

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SIGNING SCHEDULE  
EXISTING SIGNS  
SHEET 3 OF 3**

SCALE: N.T.S. DRAWN BY: MAM  
DATE: 08/17/09 CHECKED BY: BRH

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

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STANKURJ

SIGN ID	ROAD	PROPOSED LOCATION		MUTCD CODE	SIGN DESCRIPTION	GROUND MOUNTING TYPE	HEIGHT FT	WIDTH FT	AREA SQ. FT	PANEL TYPE	SIGN PANEL	SIGN PANEL	SIGN PANEL	TELESCOPING STEEL	BASE FOR TELESCOPING	METAL POST
		STATION	OFFSET (FT)								TYPE 1 (SPECIAL)	TYPE 2 (SPECIAL)	TYPE 3 (SPECIAL)	SIGN SUPPORT (SPECIAL)***	SIGN SUPPORT (SPECIAL)	TYPE A
S-201	WALKUP RD	71+99	41.50*	R2-1	SPEED LIMIT 40	TELESCOPING	3.50	2.50	8.75	1	72000105	72000205	72000305	72800105	73100110	72900100
S-202	WALKUP RD	77+79	24.00*	CUSTOM	THRU/ RIGHT TURN ONLY	TELESCOPING	2.50	2.50	6.25	1	8.75			18	1	
S-203	BURNING BUSH	80+96	48.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	6.25			14.5	1	
S-204	WALKUP RD	85+74	41.00*	CUSTOM	LEFT TURN ONLY/ RIGHT TURN&THRU	TELESCOPING	2.50	2.50	6.25	1	9.00			14	1	
S-205	INDIAN HILL TR	91+00	55.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	6.25			13.5	1	
S-206	WALKUP RD	93+63	33.00*	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	9.00			14	1	
S-207	WALKUP RD	96+10	51.00*	CUSTOM	STOP LIGHT HILLSIDE RD	TELESCOPING	1.50	6.00	9.00	1	9.00			2*13.5	2	
S-208	WALKUP RD	98+72	54.00*	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*14.5	2	
S-209	WALKUP RD	104+56	35.0*	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			13	1	
S-210	WALKUP RD	108+06	35.0*	CUSTOM	LEFT TURN ONLY/ THRU	TELESCOPING	2.50	2.50	6.25	1	6.25			13	1	
S-211	WALKUP RD	122+59	41.00*	S4-5	REDUCE SPEED SCHOOL ZONE AHEAD	TELESCOPING	3.00	3.00	9.00	1	9.00			16	1	
S-212	WALKUP RD	124+42	42.00*	S1-1	SCHOOL	TELESCOPING	3.00	3.00	9.00	1	9.00			17.5	1	
S-212A	WALKUP RD	124+42	42.00*	W16-9P	AHEAD	1.50	2.50	3.75	1	3.75						
S-213	WALKUP RD	125+57	41.00*	S4-1100	SCHOOL SPEED LIMIT 20 WHEN CHILDREN PRESENT	POST/BEACON	4.00	2.00	8.00	1	8.00					
S-214	WALKUP RD	127+32	42.00*	S1-1	SCHOOL	TELESCOPING	3.00	3.00	9.00	1	9.00			17.5	1	
S-214A	WALKUP RD	127+32	42.00*	W16-7DL	LEFT DOWN ARROW	1.75	1.25	2.19	1	2.19						
S-215	WALKUP RD/ DVORAK DR	128+67	44.0	R1-1	STOP SIGN	3.00	3.00	9.00	1	9.00						
S-216	WALKUP RD	130+53	41.00*	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			16	1	
S-217	WALKUP RD	131+95	41.00*	CUSTOM	LEFT TURN ONLY/ THRU	TELESCOPING	2.50	2.50	6.25	1	6.25			15	1	
S-218	WALKUP RD	136+12	41.00*	CUSTOM	THRU & RIGHT TURN	TELESCOPING	2.50	2.50	6.25	1	6.25			15	1	
S-219	SHENANDOAH CT	141+86	46.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00			14	1	
S-220	WALKUP RD	144+38	42.00*	D3-2	DEERWOOD DR (LEFT) PLEASANT HILL RD (RT)	TELESCOPING	3.50	7.00	24.50	3			24.5	2*15.5	2	
S-221	WALKUP RD	145+52	40.00*	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*14.5	2	
S-222	WALKUP RD	155+45	32.00	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			15	1	
S-223	WALKUP RD	162+64	32.00	CUSTOM	THRU & RIGHT TURN ONLY	TELESCOPING	2.50	2.50	6.25	1	6.25			13.5	1	
S-224	HIDDEN OAK DR	168+88	49.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00			14	1	
S-225	WALKUP RD	172+21	27.00	D3-2	EDGEWOOD RD (RIGHT) BERRY CT (LEFT)	TELESCOPING	3.50	7.00	24.50	3			24.5	2*15.5	2	
S-226	WALKUP RD	175+20	28.00	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*14	2	
S-227	WALKUP RD	177+18	29.00	S3-1	SCHOOL BUS STOP AHEAD	TELESCOPING	3.00	3.00	9.00	1	9.00			14.5	1	
S-228	WALKUP RD	184+12	27.00	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			14	1	
S-229	WALKUP RD	186+83	31.00	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*13.5	2	
S-230	RUNNING IRON DR	190+64	53.00	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00			14	1	
S-231	WALKUP RD	195+23	32.00	W1-4R	REVERSE CURVE	TELESCOPING	3.00	3.00	9.00	1	9.00			14.5	1	
S-232	WALKUP RD	196+55	30.00	CUSTOM	STOP LIGHT CRYSTAL SPRINGS RD	TELESCOPING	2.50	6.00	15.00	2	15			2*14.5	2	
S-233	WALKUP RD	198+55	30.0	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			15	1	
S-234	WALKUP RD	203+34	27.00	CUSTOM	LEFT TURN ONLY/ THRU	TELESCOPING	3.00	2.50	7.50	1	7.50			14	1	
S-236	WALKUP RD	211+92	32.0	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			14.5	1	
S-237	WALKUP RD	212+57	32.0	CUSTOM	THRU & RIGHT TURN ONLY	TELESCOPING	2.50	2.50	6.25	1	6.25			13.5	1	
S-238	HAZELWOOD DR	217+47	56.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00					
S-239	WALKUP RD	216+84	-28.00	CUSTOM	STOP LIGHT CRYSTAL SPRINGS RD	TELESCOPING	2.50	6.00	15.00	2	15			2*14	2	
S-240	WALKUP RD	214+57	-30.00	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			15.5	1	
S-241	WALKUP RD	213+81	-30.00	CUSTOM	THRU/ RIGHT TURN ONLY	TELESCOPING	3.00	2.50	7.50	1	7.50			15.5	1	
S-243	WALKUP RD	199+13	-30.00	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			15	1	
S-244	WALKUP RD	197+77	-31.00	S3-1	SCHOOL BUS STOP AHEAD	TELESCOPING	3.00	3.00	9.00	1	9.00			15.5	1	
S-245	WALKUP RD	195+03	-30.00	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*14.5	2	
S-246	OAKWOOD MANOR DR	190+19	-65.00	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00			14	1	
S-247	WALKUP RD	188+63	-30.00	D3-2	EDGEWOOD RD (LEFT) BERRY CT (RIGHT)	TELESCOPING	3.50	7.00	24.50	3			24.5	2*15.5	2	
S-248	WALKUP RD	185+68	-30.00	CUSTOM	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*13.5	2	
S-249	WALKUP RD	179+76	-32.0	R2-1	SPEED LIMIT 45	TELESCOPING	3.00	2.50	7.50	1	7.50			15	1	
S-250	WALKUP RD	173+25	-29.00	CUSTOM	LEFT TURN ONLY & THRU	TELESCOPING	2.50	2.50	6.25	1	6.25			14	1	
S-251	WALKUP RD	160+16	-29.00	D3-2	PLEASANT HILL RD (LEFT) DEERWOOD DR (RIGHT)	TELESCOPING	3.50	7.00	24.50	3			24.5	2*15.5	2	
S-252	WALKUP RD	156+37	-30.00	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2	10			2*14.5	2	
S-253	WALKUP RD	148+42	-30.00	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			15	1	
S-254	WALKUP RD	145+67	-32.00	CUSTOM	LEFT TURN ONLY & THRU	TELESCOPING	2.50	2.50	6.25	1	6.25			15	1	
S-255	WALKUP RD	139+46	-26.00	CUSTOM	THRU & RIGHT TURN ONLY	TELESCOPING	2.50	2.50	6.25	1	6.25			13.5	1	
S-256	WALKUP RD	136+86	-32.00	S4-5	REDUCE SPEED SCHOOL ZONE AHEAD	TELESCOPING	3.00	3.00	9.00	1	9.00			15	1	
S-257	LIVE OAK RD	134+36	-55.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00			14	1	
S-258	WALKUP RD	132+42	-28.00	S1-1	SCHOOL	TELESCOPING	3.00	3.00	9.00	1	9.00			15	1	
S-258A	WALKUP RD	132+42	-28.00	W16-9P	AHEAD	1.00	2.00	2.00	1	2.00						
S-259	WALKUP RD	131+99	-28.0	CUSTOM	LEFT TURN ONLY/ THRU	TELESCOPING	2.50	2.50	6.25	1	6.25			13.5	1	

\* SEE TYPICAL SIGN PLACEMENT FOR ROADWAY SIGNS ADJACENT TO SHARED USE PATH (SHEET 132)  
 \*\* SEE TYPICAL SIGN PLACEMENT FOR BICYCLE SIGNS ADJACENT TO SHARED USE PATH (SHEET 132)  
 \*\*\* "2\*" INDICATES TWO POSTS OF LENGTH SHOWN.

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085

SIGNING SCHEDULE  
 PROPOSED SIGNS  
 SHEET 1 OF 2

SCALE: N.T.S. DRAWN BY: MAM  
 DATE: 08/17/09 CHECKED BY: BRH

REVISIONS	
NAME	DATE

**TENG**  
TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 205 N. MICHIGAN AVE. CHICAGO, IL 60601  
 TELEPHONE: 312/616-9000

STANKRU  
 8-14-2009, 14:55:42  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

SIGN ID	ROAD	PROPOSED LOCATION		MUTCD CODE	SIGN DESCRIPTION	GROUND MOUNTING TYPE	HEIGHT FT	WIDTH FT	AREA SQ. FT	PANEL TYPE	SIGN PANEL TYPE 1 (SPECIAL)	SIGN PANEL TYPE 2 (SPECIAL)	SIGN PANEL TYPE 3 (SPECIAL)	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)***	BASE FOR TELESCOPING SIGN SUPPORT (SPECIAL)	METAL POST TYPE A			
		STATION	OFFSET (FT)																
S-260	WALKUP RD	130+22	-32.0	S4-I100	SCHOOL SPEED LIMIT 20 WHEN CHILDREN PRESENT	TELESCOPING	4.00	2.00	8.00	1	72000105	72000205	72000305	72800105	73100110	72900100			
S-261	WALKUP RD	128+28	-32.0	S1-1	SCHOOL	TELESCOPING	3.00	3.00	9.00	1	9.00			15	1				
S-261A	WALKUP RD	128+28	-32.0	W16-7PL	LEFT DOWN ARROW		1.50	2.50	3.75	1	3.75								
S-262	WALKUP RD	125+98	-43.0	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			14	1				
S-263	VERMONT TR	112+80	-52.0	R1-1	STOP SIGN	TELESCOPING	3.00	3.00	9.00	1	9.00			14	1				
S-264	WALKUP RD	110+40	-24.0	CUSTOM	STOP LIGHT HILLSIDE RD	TELESCOPING	1.50	6.00	9.00	1	9.00			2*12.5	2				
S-265	WALKUP RD	107+85	-18.0	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2		10		2*13.5	2				
S-266	WALKUP RD	106+42	-19.0	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			14	1				
S-267	WALKUP RD	95+60	-23.0	R3-8b	LEFT TURN ONLY/THRU ONLY/RIGHT TURN ONLY	TELESCOPING	2.50	4.00	10.00	2		10		2*13.5	2				
S-268	WALKUP RD	93+15	-30.0	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			14	1				
S-269	WALKUP RD/ WALKUP LN	90+24	-28.0	R1-1	STOP SIGN		3.00	3.00	9.00	1	9.00								
S-270	WALKUP RD	87+19	-23.0	CUSTOM	THRU/ RIGHT TURN ONLY	TELESCOPING	2.50	2.50	6.25	1	6.25			13.5	1				
S-271	WALKUP RD/ REDBIRD LN	82+87	-37.0	R1-1	STOP SIGN		3.00	3.00	9.00	1	9.00								
S-272	WALKUP RD	79+07	-25.0	R2-1	SPEED LIMIT 40	TELESCOPING	3.00	2.50	7.50	1	7.50			14	1				
S-301	SHARED USE PATH	67+63	**	R5-3	NO MOTOR VEHICLES	METAL POST TY-A	2.00	2.00	4.00	1	4.00					12			
S-302	SHARED USE PATH	80+46	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					11.5			
S-303	SHARED USE PATH	81+34	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					10			
S-304	SHARED USE PATH	90+40	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					10			
S-305	SHARED USE PATH	91+30	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					10			
S-306	SHARED USE PATH	127+96	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					11.5			
S-307	SHARED USE PATH	129+04	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					10			
S-308	SHARED USE PATH	141+23	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					10			
S-309	SHARED USE PATH	142+16	**	R1-1	STOP SIGN	METAL POST TY-A	1.50	1.50	2.25	1	2.25					10			
									SUBTOTAL	685.94				467.94	120	98	1188.5	80	95
SCHEDULE OF QUANTITIES FOR RELOCATED SIGNS																			
S-2	WALKUP RD	76+78	40.0	CUSTOM	WARNING: FIBER OPTIC CABLE	TELESCOPING	1.00	0.30	0.30	1						12.00	1		
S-15	WALKUP RD	106+54	36.0	CUSTOM	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	1						13.50	1		
S-15A	WALKUP RD	106+54	36.0	CUSTOM	YOUR GROUP NAME HERE		2.50	1.50	3.75	1									
S-17	WALKUP RD	120+08	41.0	CUSTOM	PRAIRIE RIDGE HIGH SCHOOL 2008 IHSA CHAMPION	TELESCOPING	2.50	4.00	10.00	2						14.50	1		
S-25	WALKUP RD/ SHENANDOAH CT	141+04	52.0	CUSTOM	SHENANDOAH CT	TELESCOPING	0.75	3.00	2.25	1						12.75	1		
S-25A	WALKUP RD/ SHENANDOAH CT	141+04	52.0	CUSTOM	SHENANDOAH CT		0.75	3.00	2.25	1									
S-34	WALKUP RD	153+84	32.0	CUSTOM	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	1						13.50	1		
S-34A	WALKUP RD	153+84	32.0	CUSTOM	MCHENRY COUNTY RETIRED TEACHERS		2.50	1.50	3.75	1									
S-42	EDGEWOOD RD	153+84	31.0	R12-1	WEIGHT LIMIT 5 TONS	TELESCOPING	2.50	2.00	5.00	1						13.50	1		
S-42A	EDGEWOOD RD	153+84	31.0	CUSTOM	EXCEPT FOR LOCAL DELIVERIES		2.00	1.50	3.00	1									
S-48	WALKUP RD/ RUNNING IRON DR	190+96	28.0	CUSTOM	WALKUP RD	TELESCOPING	0.75	2.50	1.88	1						11.75	1		
S-48A	WALKUP RD/ RUNNING IRON DR	190+96	28.0	CUSTOM	RUNNING IRON DR		0.75	4.00	3.00	1									
S-53	WALKUP RD	207+95	29.0	CUSTOM	VILLAGE OF BULL VALLEY	WOOD POST	2.00	4.00	8.00	1						13.00	1		
S-54	WALKUP RD	209+87	32.0	CUSTOM	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	1						13.50	1		
S-54A	WALKUP RD	209+87	32.0	CUSTOM	YOUR GROUP NAME HERE		2.50	1.50	3.75	1									
S-58	HAZELWOOD DR	217+47	49.0	CUSTOM	HAZELWOOD DR	TELESCOPING	0.75	3.50	2.63	1						13.75	1		
S-58A	HAZELWOOD DR	217+47	49.0	CUSTOM	HAZELWOOD DR		0.75	3.50	2.63	1									
S-69	CRYSTAL LAKE RD	210+82	-41.0	CUSTOM	VILLAGE OF BULL VALLEY	WOOD POST	2.00	4.00	8.00	1						14.50	1		
S-75	WALKUP RD/ OAKWOOD MANOR DR	190+07	-37.0	CUSTOM	STREET SIGN (OAKWOOD MANOR DR)	TELESCOPING	0.75	4.00	3.00	1						11.75	1		
S-75A	WALKUP RD/ OAKWOOD MANOR DR	190+07	-37.0	CUSTOM	STREET SIGN (OAKWOOD MANOR DR)		0.75	4.00	3.00	1									
S-79	BERRY CT	182+32	-94.0	CUSTOM	RED SQUARE	TELESCOPING	1.50	1.50	2.25	1						12.50	1		
S-79A	BERRY CT	182+32	-94.0	R12-1	WEIGHT LIMIT 5 TONS		2.50	2.00	5.00	1									
S-79B	BERRY CT	182+32	-94.0	CUSTOM	NO THRU TRUCK TRAFFIC		2.00	1.50	3.00	1									
S-86	DEERWOOD DR	151+91	-79.0	R12-1	WEIGHT LIMIT 8 TONS	TELESCOPING	2.50	2.00	5.00	1						13.50	1		
S-90	WALKUP RD	143+11	-32.0	CUSTOM	MCHENRY COUNTY "ADOPT A HIGHWAY"	TELESCOPING	2.50	2.50	6.25	1						13.50	1		
S-90A	WALKUP RD	143+11	-32.0	CUSTOM	YOUR GROUP NAME HERE		2.50	1.50	3.75	1									
S-91	WALKUP RD	138+22	-36.0	CUSTOM	PRAIRIE RIDGE HIGH SCHOOL 2008 IHSA CHAMPION	TELESCOPING	2.50	4.00	10.00	2						13.50	1		
									SUBTOTAL	127.63						211.00	16		
									TOTAL					467.94	120	98	1399.5	96	95

- SEE TYPICAL SIGN PLACEMENT FOR ROADWAY SIGNS ADJACENT TO SHARED USE PATH (SHEET 132)
- \*\* SEE TYPICAL SIGN PLACEMENT FOR BICYCLE SIGNS ADJACENT TO SHARED USE PATH (SHEET 132)
- \*\*\* "2\*" INDICATES TWO POSTS OF LENGTH SHOWN.

REVISIONS	
NAME	DATE

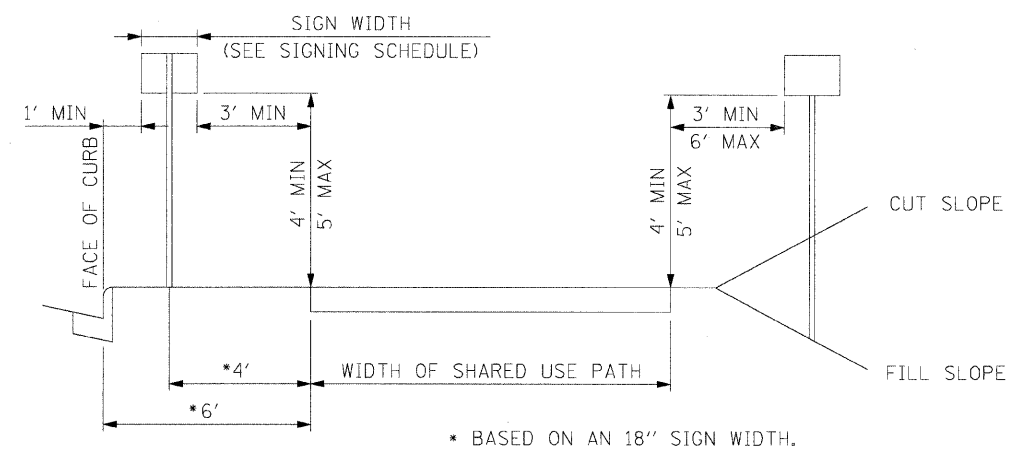
MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SIGNING SCHEDULE  
PROPOSED SIGNS  
SHEET 2 OF 2**

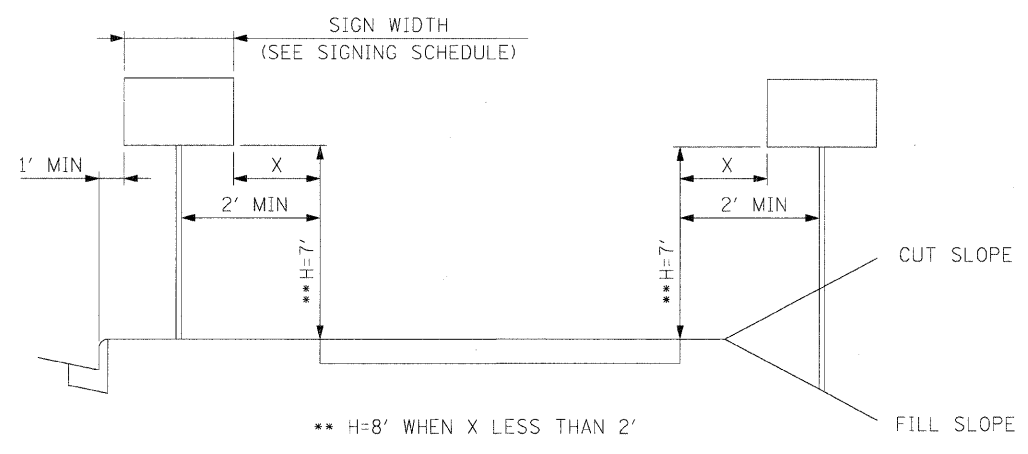
SCALE: N.T.S.                                  DRAWN BY: MAM  
DATE: 08/17/09                                 CHECKED BY: BRH

**TENG**    TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

F.A.U. SECTION	COUNTY	TOTAL SHEET NO.
0085 00-00246-01-FP	MCHENRY	236 132
STA.	TO STA.	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
CONTRACT NO: 63266		

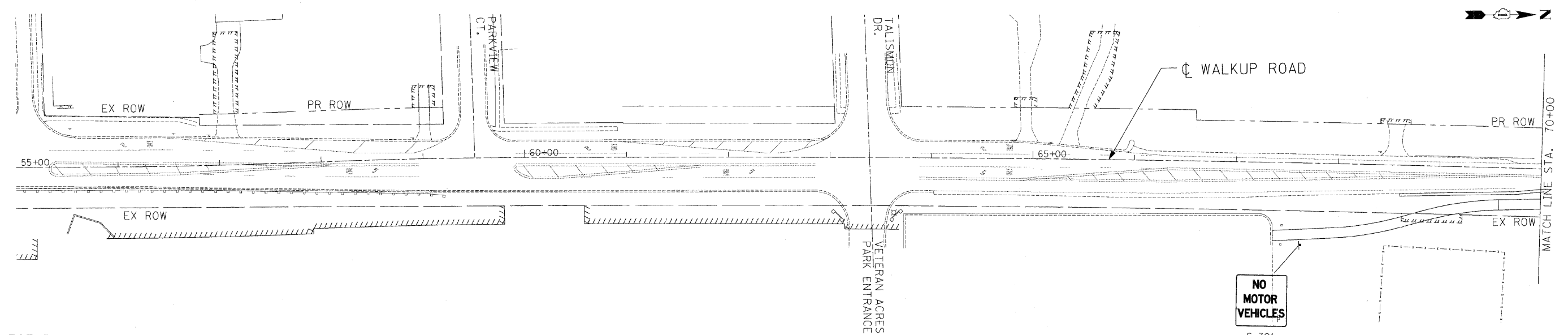


TYPICAL SIGN PLACEMENT FOR BICYCLE SIGNS ADJACENT TO SHARED USE PATH



TYPICAL SIGN PLACEMENT FOR ROADWAY SIGNS ADJACENT TO SHARED USE PATH

NOTE: SIGN PANEL SHALL NOT EXTEND OVER SHARED USE PATH



SIGNING LEGEND

	EXISTING SIGN PANEL TO REMAIN		EXISTING PANEL ID MOUNTING TYPE		PROPOSED PANEL ID MOUNTING TYPE
	EXISTING SIGN PANEL TO BE RELOCATED (AT SAME LOCATION UNLESS SPECIFIED)		EXISTING GROUND MOUNTED SIGN		PROPOSED GROUND MOUNTED SIGN
	EXISTING SIGN PANEL TO BE REMOVED		GM- GROUND MOUNT		MP- METAL POST
	PROPOSED SIGN PANEL		TS- TRAFFIC SIGNAL		TE- TELESCOPING STEEL
	EXISTING GROUND MOUNTED SIGN		UP- UTILITY POLE		WP- WOOD POST

NO MOTOR VEHICLES

S-301  
GM-MP  
67+63

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

EXISTING & PROPOSED SIGNING  
WALKUP ROAD  
STA 55+00 TO STA 70+00

SCALE: 1" = 50'      DRAWN BY: MAM  
DATE: 08/17/09      CHECKED BY: BRH

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/461-9000

\P00084.DGN, \P00085.DGN, \P00086.DGN, \P00087.DGN, \P00088.DGN, \P00089.DGN, \P00090.DGN, \P00091.DGN, \P00092.DGN, \P00093.DGN, \P00094.DGN, \P00095.DGN, \P00096.DGN, \P00097.DGN, \P00098.DGN, \P00099.DGN, \P00100.DGN, \P00101.DGN, \P00102.DGN, \P00103.DGN, \P00104.DGN, \P00105.DGN, \P00106.DGN, \P00107.DGN, \P00108.DGN, \P00109.DGN, \P00110.DGN, \P00111.DGN, \P00112.DGN, \P00113.DGN, \P00114.DGN, \P00115.DGN, \P00116.DGN, \P00117.DGN, \P00118.DGN, \P00119.DGN, \P00120.DGN, \P00121.DGN, \P00122.DGN, \P00123.DGN, \P00124.DGN, \P00125.DGN, \P00126.DGN, \P00127.DGN, \P00128.DGN, \P00129.DGN, \P00130.DGN, \P00131.DGN, \P00132.DGN, \P00133.DGN, \P00134.DGN, \P00135.DGN, \P00136.DGN, \P00137.DGN, \P00138.DGN, \P00139.DGN, \P00140.DGN, \P00141.DGN, \P00142.DGN, \P00143.DGN, \P00144.DGN, \P00145.DGN, \P00146.DGN, \P00147.DGN, \P00148.DGN, \P00149.DGN, \P00150.DGN, \P00151.DGN, \P00152.DGN, \P00153.DGN, \P00154.DGN, \P00155.DGN, \P00156.DGN, \P00157.DGN, \P00158.DGN, \P00159.DGN, \P00160.DGN

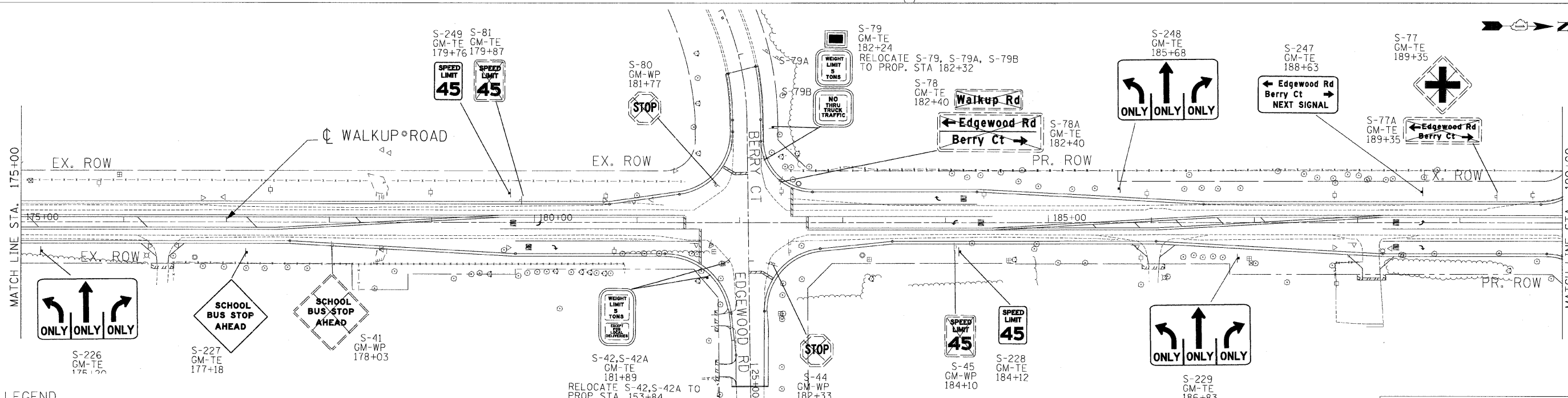
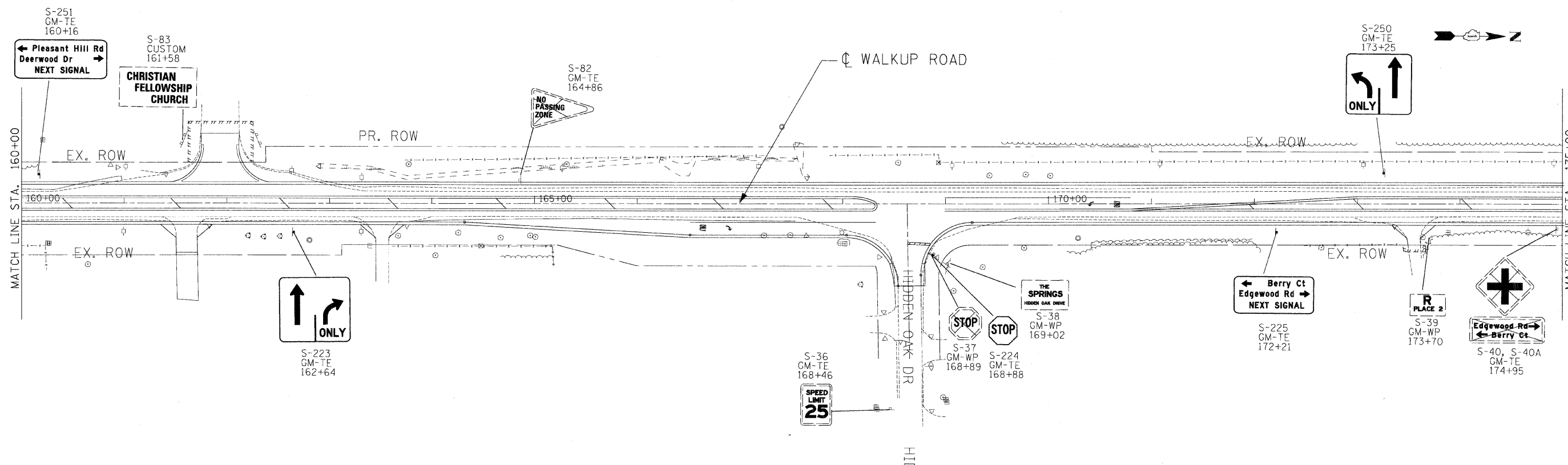








F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085 00-00246-01-FP	MCHENRY	236	136
STA.	TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	
CONTRACT NO: 63266			



**SIGNING LEGEND**

	EXISTING SIGN PANEL TO REMAIN		EXISTING PANEL ID MOUNTING TYPE		PROPOSED PANEL ID MOUNTING TYPE
	EXISTING SIGN PANEL TO BE RELOCATED (AT SAME LOCATION UNLESS SPECIFIED)		EX. STATION		PROP. STATION
	EXISTING SIGN PANEL TO BE REMOVED		GM- GROUND MOUNT		MP- METAL POST
	PROPOSED SIGN PANEL		TS- TRAFFIC SIGNAL		TE- TELESCOPING STEEL
	EXISTING GROUND MOUNTED SIGN		UP- UTILITY POLE		WP- WOOD POST
	PROPOSED GROUND MOUNTED SIGN				

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**EXISTING & PROPOSED SIGNING  
WALKUP ROAD  
STA 160+00 TO STA 190+00**

SCALE: 1" = 50'  
DATE: 08/17/09  
DRAWN BY: MAM  
CHECKED BY: BRH

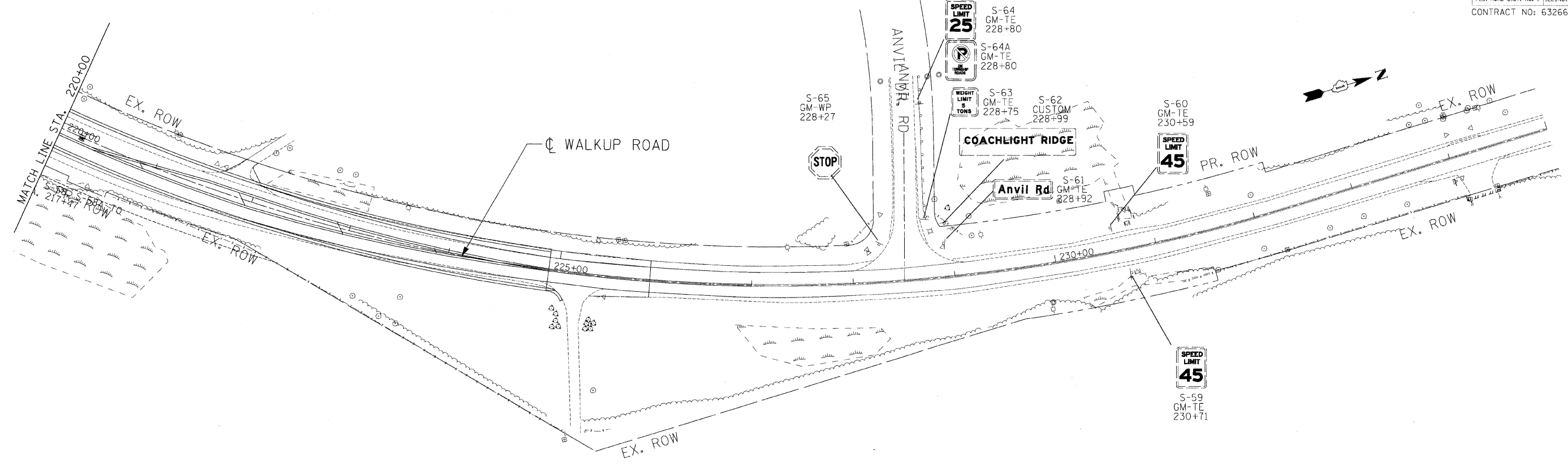
**TENG**

TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
225 N. MICHIGAN AVE. - CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

N:\PROJECTS\085\085\_00246\_01\FP\085\_00246\_01\_SIGNING\085\_00246\_01\_SIGNING.dwg  
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	138
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO: 63266				



\AL\T0800A.DGN, \P\W008R3.DGN, \R0W008R5.DGN, \T\B00Y.V.DGN, \R0W008R4.DGN, \R0W008R1.DGN, \S0W008R2.DGN, \S0W008R4.DGN, \S0W008R5.DGN, \S0W008R6.DGN, \S0W008R7.DGN, \S0W008R8.DGN, \S0W008R9.DGN, \S0W008R10.DGN, \S0W008R11.DGN, \S0W008R12.DGN, \S0W008R13.DGN, \S0W008R14.DGN, \S0W008R15.DGN, \S0W008R16.DGN, \S0W008R17.DGN, \S0W008R18.DGN, \S0W008R19.DGN, \S0W008R20.DGN, \S0W008R21.DGN, \S0W008R22.DGN, \S0W008R23.DGN, \S0W008R24.DGN, \S0W008R25.DGN, \S0W008R26.DGN, \S0W008R27.DGN, \S0W008R28.DGN, \S0W008R29.DGN, \S0W008R30.DGN, \S0W008R31.DGN, \S0W008R32.DGN, \S0W008R33.DGN, \S0W008R34.DGN, \S0W008R35.DGN, \S0W008R36.DGN, \S0W008R37.DGN, \S0W008R38.DGN, \S0W008R39.DGN, \S0W008R40.DGN, \S0W008R41.DGN, \S0W008R42.DGN, \S0W008R43.DGN, \S0W008R44.DGN, \S0W008R45.DGN, \S0W008R46.DGN, \S0W008R47.DGN, \S0W008R48.DGN, \S0W008R49.DGN, \S0W008R50.DGN, \S0W008R51.DGN, \S0W008R52.DGN, \S0W008R53.DGN, \S0W008R54.DGN, \S0W008R55.DGN, \S0W008R56.DGN, \S0W008R57.DGN, \S0W008R58.DGN, \S0W008R59.DGN, \S0W008R60.DGN

**SIGNING LEGEND**

	EXISTING SIGN PANEL TO REMAIN		EXISTING PANEL ID MOUNTING TYPE EX. STATION		PROPOSED PANEL ID MOUNTING TYPE PROP. STATION
	EXISTING SIGN PANEL TO BE RELOCATED (AT SAME LOCATION UNLESS SPECIFIED)				
	EXISTING SIGN PANEL TO BE REMOVED				
	PROPOSED SIGN PANEL				
	EXISTING GROUND MOUNTED SIGN		GM- GROUND MOUNT		MP- METAL POST
	PROPOSED GROUND MOUNTED SIGN		TS- TRAFFIC SIGNAL		TE- TELESCOPING STEEL
			UP- UTILITY POLE		WP- WOOD POST

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

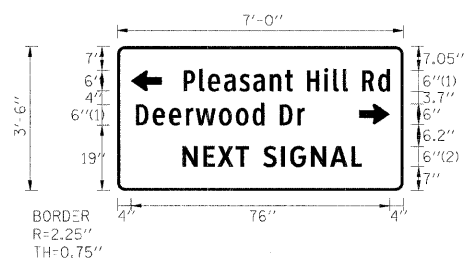
**EXISTING & PROPOSED SIGNING**  
WALKUP ROAD  
STA 220+00 TO STA 250+00

SCALE: 1" = 50'  
DATE: 08/17/09

DRAWN BY: MAM  
CHECKED BY: BRH

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

SIGN DETAIL



SIGN NUMBER	S-251
WIDTH x HGHT.	7'-0" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

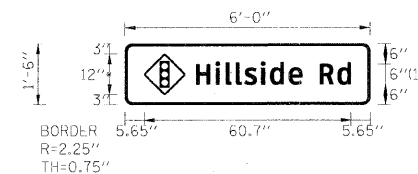
SYMBOL	ROT	X	Y	WID	HT
ARUP	90	4	29	6	9
ARUP	270	71	19.2	6	9

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																LENGTH	SERIESIZE
P	l	e	a	s	a	n	t		H	i	l	l		R	d		ClearviewHwy-2-W
19.4	24.1	26.7	31.4	35.9	39.9	44.9	49.4	51.5	55.8	60.8	63.5	66.2	67.6	71.9	76.6		60.6 64.9
D	e	e	r	w	o	o	d		D	r							ClearviewHwy-2-W
5.5	10.4	15.2	20.1	23.1	29.9	34.8	39.7	43.1	47.8	52.9						49.5 64.9	
N	E	X	T		S	I	G	N	A	L							ClearviewHwy-3-W
19.1	25.3	29.5	34.7	38.5	42.9	48.2	50.8	56.9	62.5	68.7						52.7 6	

SIGN DETAIL



SIGN NUMBER	S-207, S-264
WIDTH x HGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

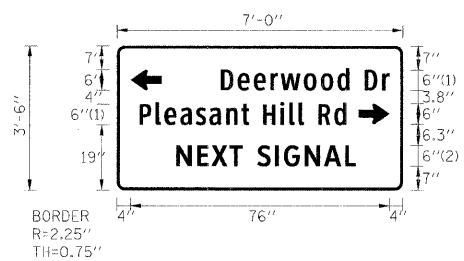
SYMBOL	ROT	X	Y	WID	HT
W3_3	360	5.6	3	12	12

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																LENGTH	SERIESIZE
H	i	l	l	s	i	d	e		R	d							ClearviewHwy-3-W
20.9	26.6	29.6	32.6	35.2	40	42.7	48.1	52.1	57.2	62.5							45.5 64.9

SIGN DETAIL



SIGN NUMBER	S-220
WIDTH x HGHT.	7'-0" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	4	29	6	9
ARUP	270	71	19.3	6	9

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																LENGTH	SERIESIZE
D	e	e	r	w	o	o	d		D	r							ClearviewHwy-2-W
30.6	35.5	40.2	45.2	48.2	54.9	59.9	64.8	68.2	72.8	77.9							49.5 64.9
P	l	e	a	s	a	n	t		H	i	l	l		R	d		ClearviewHwy-2-W
6.7	11.3	13.9	18.6	23.2	27.2	32.1	36.6	38.7	43	50.7	53.5	54.9	59.2	63.9			60.6 64.9
N	E	X	T		S	I	G	N	A	L							ClearviewHwy-3-W
17.5	23.6	27.8	33.1	36.9	41.3	46.6	49.1	55.3	60.9	67.1						52.7 6	

NOTE  
1. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND. ALL SIGNS TO BE CONSTRUCTED WITH 3M DIAMOND GRADE DG3 SHEETING.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

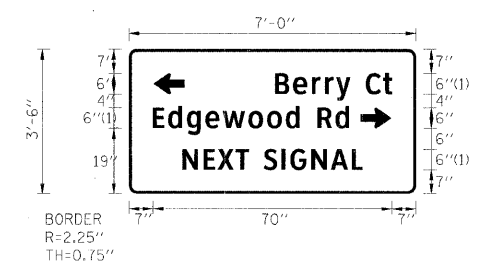
SIGN DETAILS  
SHEET 1 OF 2

SCALE: N.T.S.  
DATE: 08/17/09  
DRAWN BY: BRH  
CHECKED BY: MCD



ASBNO: 07.DCN ATTORNEY: V.D. DOCUMENT: 030003ACIVL\DEN\SGNO. 35.DCN  
 8-14-2009 14:56:33  
 I: 23436678910 | 2 13 14 5 6 7 8 9 | 2021 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63  
 STANK: 61

SIGN DETAIL



SIGN NUMBER	S-225
WIDTH x HIGHT.	7'-0" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

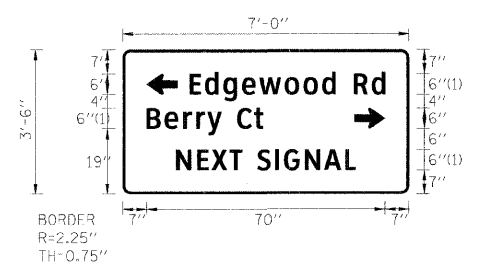
SYMBOL	ROT	X	Y	WID	HT
ARUP	90	7.2	29	6	9
ARUP	270	67.8	19	6	9

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESSIZE	
B	e	r	r	y		C	t			34.2	ClearviewHwy-3-W 64.9	
42.8	48.1	53.6	57.4	60.7	64.8	69.4	74.4					
E	d	g	e	w	o	o	d	R	d	57.4	ClearviewHwy-3-W 64.9	
7	11.5	16.9	22.4	27.5	35	40.5	46	49.9	55.3	60.5		
N	E	X	T		S	I	G	N	A	L	52.7	ClearviewHwy-3-W 6
15.7	21.9	26.1	31.3	35.1	39.5	44.8	47.4	53.5	59.1	65.3		

SIGN DETAIL



SIGN NUMBER	S-247
WIDTH x HIGHT.	7'-0" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

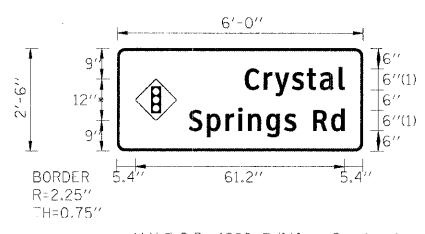
SYMBOL	ROT	X	Y	WID	HT
ARUP	90	7	29	6	9
ARUP	270	68	19	6	9

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESSIZE	
E	d	g	e	w	o	o	d	R	d	57.4	ClearviewHwy-3-W 64.9	
19.6	24.1	29.6	35	40.1	47.6	53.1	58.6	62.5	67.9	73.1		
B	e	r	r	y		C	t			34.2	ClearviewHwy-3-W 64.9	
7	12.3	17.8	21.6	24.9	29	33.6	38.6					
N	E	X	T		S	I	G	N	A	L	52.7	ClearviewHwy-3-W 6
15.7	21.9	26.1	31.3	35.1	39.5	44.8	47.4	53.5	59.1	65.3		

SIGN DETAIL



SIGN NUMBER	S-232, S-239
WIDTH x HIGHT.	6'-0" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
W3_3	360	5.4	9	12	12

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
C	r	y	s	t	a	i				29.2	ClearviewHwy-3-W 64.9
37.5	43	46.3	51.2	55.6	59.4	64.9					
S	p	r	i	n	g	s	R	d		45.5	ClearviewHwy-3-W 64.9
21.1	26.4	31.8	35.5	38.4	43.7	49	52.5	57.5	62.7		

NOTE  
1. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND. ALL SIGNS TO BE CONSTRUCTED WITH 3M DIAMOND GRADE DG3 SHEETING.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SIGN DETAILS**  
SHEET 2 OF 2

SCALE: N.T.S.      DRAWN BY: BRH  
DATE: 08/17/09      CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

I:\AS000\_2\Y.DON...N\TIBODY\_V.DGN  
 8-4-2009, 4:56:44  
 I:\DOCUMENTS\9330003\CIVIL\DON\SCN00\_3F.DGN  
 12:34:5678910 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

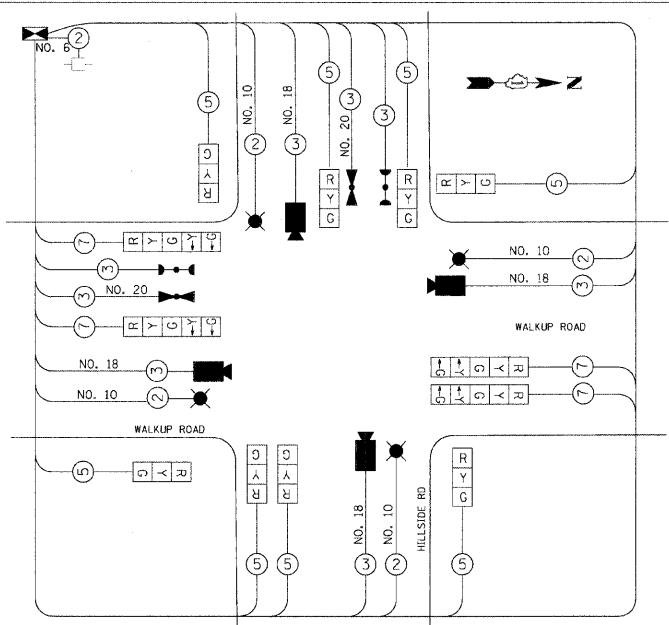


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	141
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

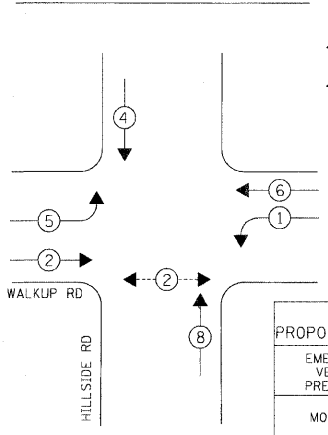
TEMPORARY EMERGENCY VEHICLE PREEMPTION

- TEMPORARY TRAFFIC SIGNALS**
- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
  - ↖ TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
  - ⊗ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
  - ⊠ TEMPORARY CONTROLLER CABINET
  - TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
  - TEMPORARY SERVICE INSTALLATION
  - ▢ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
  - 📹 VIDEO DETECTION CAMERA
  - 📷 PTZ CAMERA
  - ⊗ PEDESTRIAN PUSHBUTTON DETECTOR
  - 🚗 EMERGENCY VEHICLE LIGHT DETECTOR
  - 📡 CONFIRMATION BEACON
  - VEHICLE DETECTOR, INDUCTION LOOP
  - UD UNIT DUCT
  - G.S. CONDUIT, PUSHED (P) OR TRENCHED (T)
  - 🔌 HANDHOLE
  - 🔌 HEAVY DUTY HANDHOLE
  - 📡 MICROVAVE DETECTOR
  - 💡 LUMINAIRE
  - 🗑️ EXISTING EQUIPMENT TO BE REMOVED

- TEMPORARY CABLE PLAN LEGEND**
- Ⓜ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12"
  - ⊠ TEMPORARY CONTROLLER CABINET
  - TEMPORARY SERVICE INSTALLATION
  - ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
  - 🚗 EMERGENCY VEHICLE LIGHT DETECTOR
  - 📡 CONFIRMATION BEACON VEHICLE DETECTOR, INDUCTION LOOP
  - ⊗ PEDESTRIAN PUSHBUTTON DETECTOR
  - 📹 VIDEO DETECTION CAMERA
  - 📷 PTZ CAMERA
  - 💡 LUMINAIRE
  - 📞 TELEPHONE DROP
  - 📡 MICROWAVE DETECTOR



TEMPORARY CONTROLLER SEQUENCE

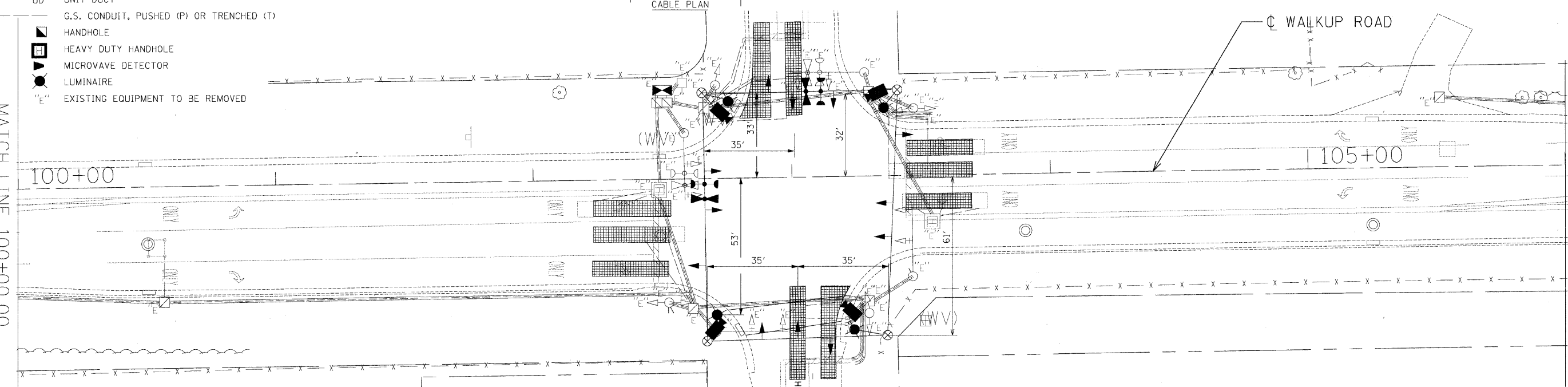


TEMPORARY PHASE DESIGNATION DIAGRAM

- LEGEND**
- ⊗ DUAL ENTRY PHASE
  - ↔ PEDESTRIAN PHASE
  - ⊗ OL OVERLAP
  - \* NUMBER REFERS TO ASSOCIATED PHASE

MATCH LINE 100+00.00 (SEE SHEET 2)

MATCH LINE 106+00.00 (SEE SHEET 2)



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE COUNTY AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

1 EACH CONTROLLER AND CABINET COMPLETE  
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: MCDOT  
1 EACH LIGHT DETECTOR AMPLIFIER  
2 EACH LIGHT DETECTOR

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, 1 FACE, 3 SECTION
- 2 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 2 EACH SIGNAL HEAD, 2 FACE, 3 SECTION
- 2 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
- 8 EACH TRAFFIC SIGNAL BACK PLATE
- 4 EACH TRAFFIC SIGNAL POST
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 1 EACH SERVICE INSTALLATION

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY ECONOLITE CONTROLLERS SUPPLIED BY ONE OF THE COUNTY 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.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS AND SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM. ANY TEMPORARY TRAFFIC SIGNAL WITHIN AN ICONS SYSTEM SHALL BE NTCIP COMPATIBLE AND SHALL BE INTERCONNECTED TO THAT SYSTEM.
6. 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.

MCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED % OPERATION	
SIGNAL (RED)	12	135	10	60.0
(YELLOW)	12	135	19	22.8
(GREEN)	12	135	11	52.8
ARROW	8	135	9	7.2
PED. SIGNAL	-	90	9	1.00
CONTROLLER	1	300	300	300.0
LUMINAIRE	4	250	250	500.0
ENERGY COST TO: TOTAL =				942.8

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
16111 NELSON ROAD  
WOODSTOCK, IL 60098

ENERGY SUPPLY: CONTACT MS. ELLIE SARALLO  
PHONE: 847-608-2400  
COMPANY: COM. ED.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM & REMOVAL OF EX EQUIPMENT SHT 1 OF 2**  
WALKUP RD AND HILLSIDE RD

SCALE: 1" = 20'  
DATE: 08/17/09

DRAWN BY: MZD  
CHECKED BY: RRM

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312.461.0000

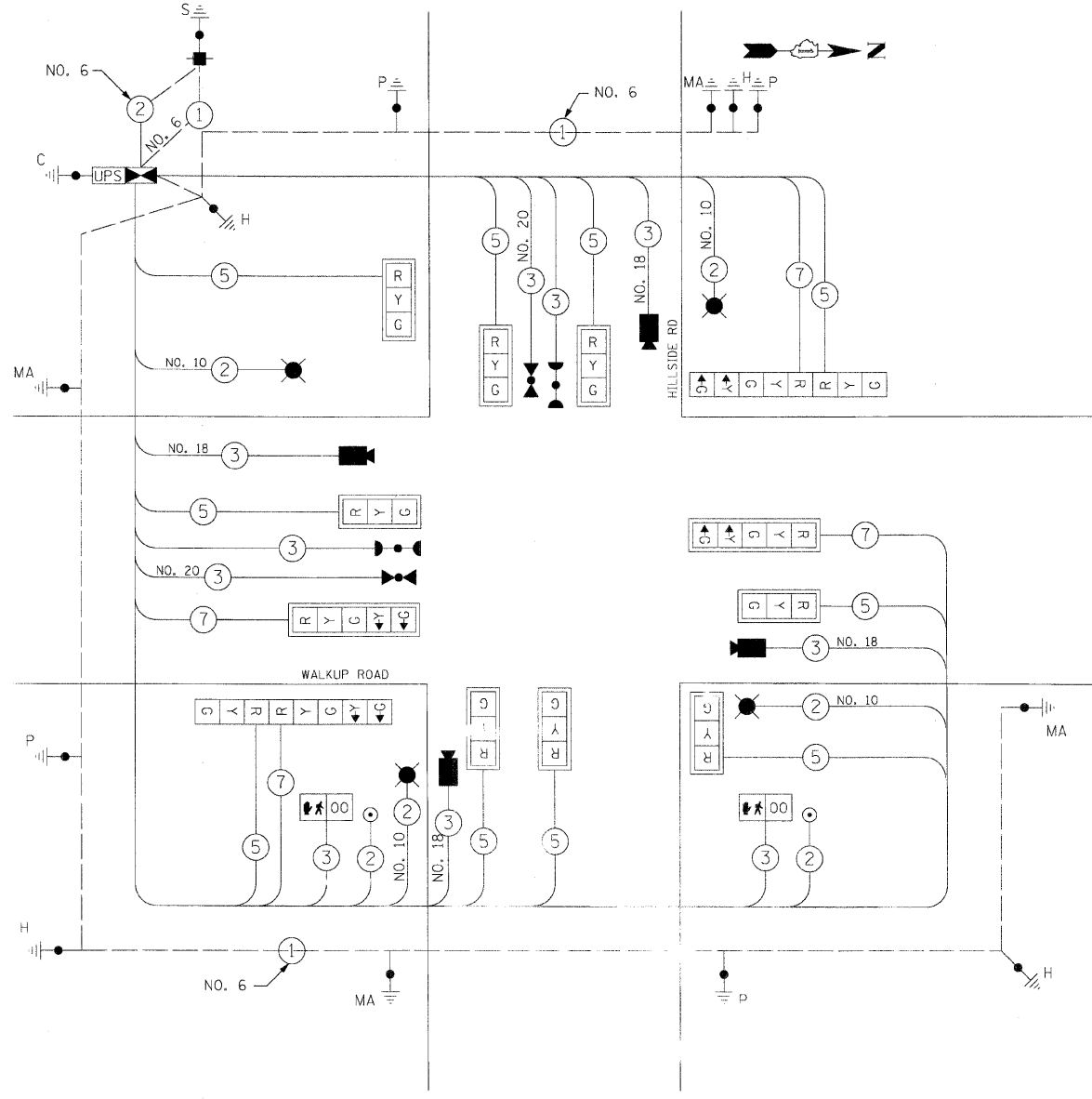
ATTORNEY V.DON... NPM0008683.DGN... NTC0008910.DGN... NTC0008911.DGN... NTC0008912.DGN... NTC0008913.DGN... NTC0008914.DGN... NTC0008915.DGN... NTC0008916.DGN... NTC0008917.DGN... NTC0008918.DGN... NTC0008919.DGN... NTC0008920.DGN... NTC0008921.DGN... NTC0008922.DGN... NTC0008923.DGN... NTC0008924.DGN... NTC0008925.DGN... NTC0008926.DGN... NTC0008927.DGN... NTC0008928.DGN... NTC0008929.DGN... NTC0008930.DGN... NTC0008931.DGN... NTC0008932.DGN... NTC0008933.DGN... NTC0008934.DGN... NTC0008935.DGN... NTC0008936.DGN... NTC0008937.DGN... NTC0008938.DGN... NTC0008939.DGN... NTC0008940.DGN... NTC0008941.DGN... NTC0008942.DGN... NTC0008943.DGN... NTC0008944.DGN... NTC0008945.DGN... NTC0008946.DGN... NTC0008947.DGN... NTC0008948.DGN... NTC0008949.DGN... NTC0008950.DGN... NTC0008951.DGN... NTC0008952.DGN... NTC0008953.DGN... NTC0008954.DGN... NTC0008955.DGN... NTC0008956.DGN... NTC0008957.DGN... NTC0008958.DGN... NTC0008959.DGN... NTC0008960.DGN... NTC0008961.DGN... NTC0008962.DGN... NTC0008963.DGN... NTC0008964.DGN... NTC0008965.DGN... NTC0008966.DGN... NTC0008967.DGN... NTC0008968.DGN... NTC0008969.DGN... NTC0008970.DGN... NTC0008971.DGN... NTC0008972.DGN... NTC0008973.DGN... NTC0008974.DGN... NTC0008975.DGN... NTC0008976.DGN... NTC0008977.DGN... NTC0008978.DGN... NTC0008979.DGN... NTC0008980.DGN... NTC0008981.DGN... NTC0008982.DGN... NTC0008983.DGN... NTC0008984.DGN... NTC0008985.DGN... NTC0008986.DGN... NTC0008987.DGN... NTC0008988.DGN... NTC0008989.DGN... NTC0008990.DGN... NTC0008991.DGN... NTC0008992.DGN... NTC0008993.DGN... NTC0008994.DGN... NTC0008995.DGN... NTC0008996.DGN... NTC0008997.DGN... NTC0008998.DGN... NTC0008999.DGN... NTC0009000.DGN





**CABLE PLAN LEGEND**

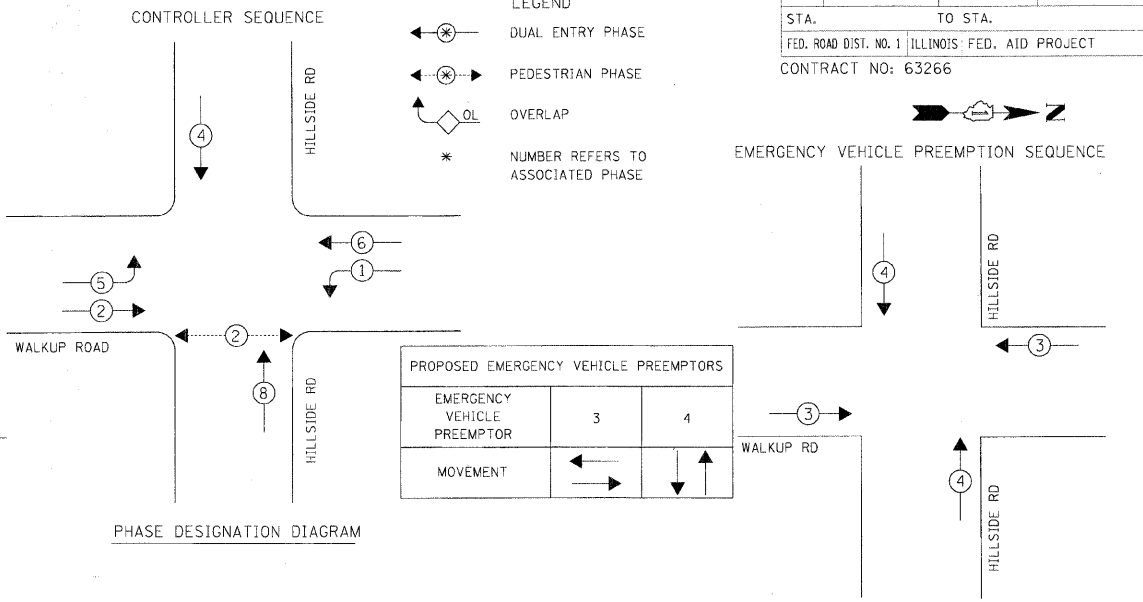
EXISTING	PROPOSED
	12" TRAFFIC SIGNAL SECTION
	16" X 18" PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
	CONTROLLER CABINET
	SERVICE INSTALLATION
	TELEPHONE INSTALLATION
	VEHICLE DETECTOR, INDUCTION LOOP
	EMERGENCY VEHICLE LIGHT DETECTOR
	CONFIRMATION BEACON
	PUSH-BUTTON DETECTOR
	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM/2F & SM/2F
	SIGNAL FACE WITH BACKPLATE. *P* INDICATES PROGRAMMED HEAD.
	RAILROAD CONTROL CABINET
	ILLUMINATED SIGN, FIBER OPTIC 'NO LEFT TURN'
	ILLUMINATED SIGN, FIBER OPTIC 'NO RIGHT TURN'
	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (H)
	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
	VIDEO DETECTION CAMERA
	PTZ CAMERA
	LUMINAIRE
	VIDEO COMMUNICATIONS CABINET
	L.E.D. STREET NAME SIGN
	UNINTERRUPTED POWER SUPPLY



**CABLE PLAN**

- NOTES:**
- ALL TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE ECONOLITE TRAFFIC CONTROL EQUIPMENT.
  - VIDEO DETECTION CAMERA SHALL BE AUTOSCOPE TERRA.
  - VIDEO DETECTION CABLE SHALL BE NO.18, 3C.
  - CONTROLLER SHALL BE ECONOLITE ASC3.
  - TYPE IV CABINET.
  - EVP CABLE SHALL BE 3C #20, TWISTED, SHIELDED.
  - CONFIRMATION BEACON CABLE SHALL BE 3C #14.
  - ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN HEAD. SIDE BY SIDE 16" X 18".
  - GROUNDING OF SIGNAL EQUIPMENT INCIDENTAL TO FOUNDATION PAY ITEM.
  - CONFIRMATION BEACON SHALL BE LED.

FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
C - CONT. W/UPS	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2'
D - CONTROLLER	4	SIGNAL POST	2	BRACKET MOUNTED	13
E - M. ARM POLE	15	CONTROLLER CAB.	1	PED. PUSHBUTTON	4
		FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
		ELECTRIC SERVICE	1	POST MOUNTED	6



PAY CODE	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ. FT.	36
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	17
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	79
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	76
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	96
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	210
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	258
81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1C NO. 10	FOOT	761
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL 250 WATT	EACH	4
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	225.5
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	726
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1760
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	619
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	35
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	3
87800100	CONCRETE FOUNDATION, TYPE A	EACH	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
X8050015	SERVICE INSTALLATION-POLE MOUNTED	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	587.5
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	261.5
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	781
88030050	SIGNAL HEAD, LED, 1 FACE, 3 SECTION, BRACKET MOUNTED	EACH	2
X8620020	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	11
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1

MCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED X % OPERATION		
SIGNAL (RED)	14	X	10	0.50	70
(YELLOW)	14	X	19	0.10	26.6
(GREEN)	14	X	11	0.40	61.6
ARROW	8	X	9	0.10	7.2
PED. SIGNAL	2	X	9	1.00	18
CONTROLLER	1	X	3	1.00	3
LUMINAIRE	--	250	0.50		125
FLASHER	X	X		0.50	
TOTAL =					311.4

ENERGY COSTS TO:  
MCHENRY COUNTY DIVISION OF TRANSPORTATION  
16111 NELSON ROAD  
WOODSTOCK, IL 60098

ENERGY SUPPLY: CONTACT: MS. ELLIE SARALLO  
PHONE: 847-608-2400  
COMPANY: COM. ED.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SOQ, CABLE PLAN,  
PHASE DESIGNATION DIAGRAM,  
EMERGENCY VEHICLE SEQUENCE**  
WALKUP RD AND HILLSIDE RD

SCALE: N.T.S. DRAWN BY: MZD  
DATE: 08/17/09 CHECKED BY: RRM

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE. CHICAGO, IL 60601  
TELEPHONE: 312/616-9000

ATTENTION: V.DON...NISC008...S.DGN  
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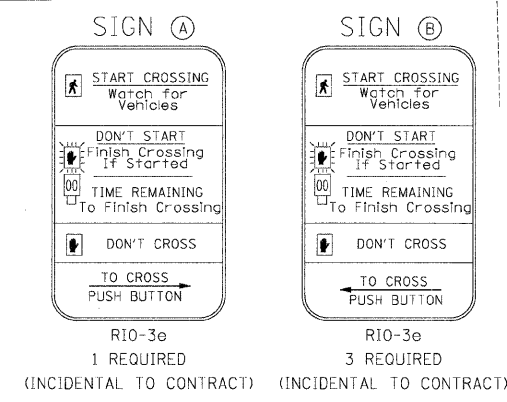
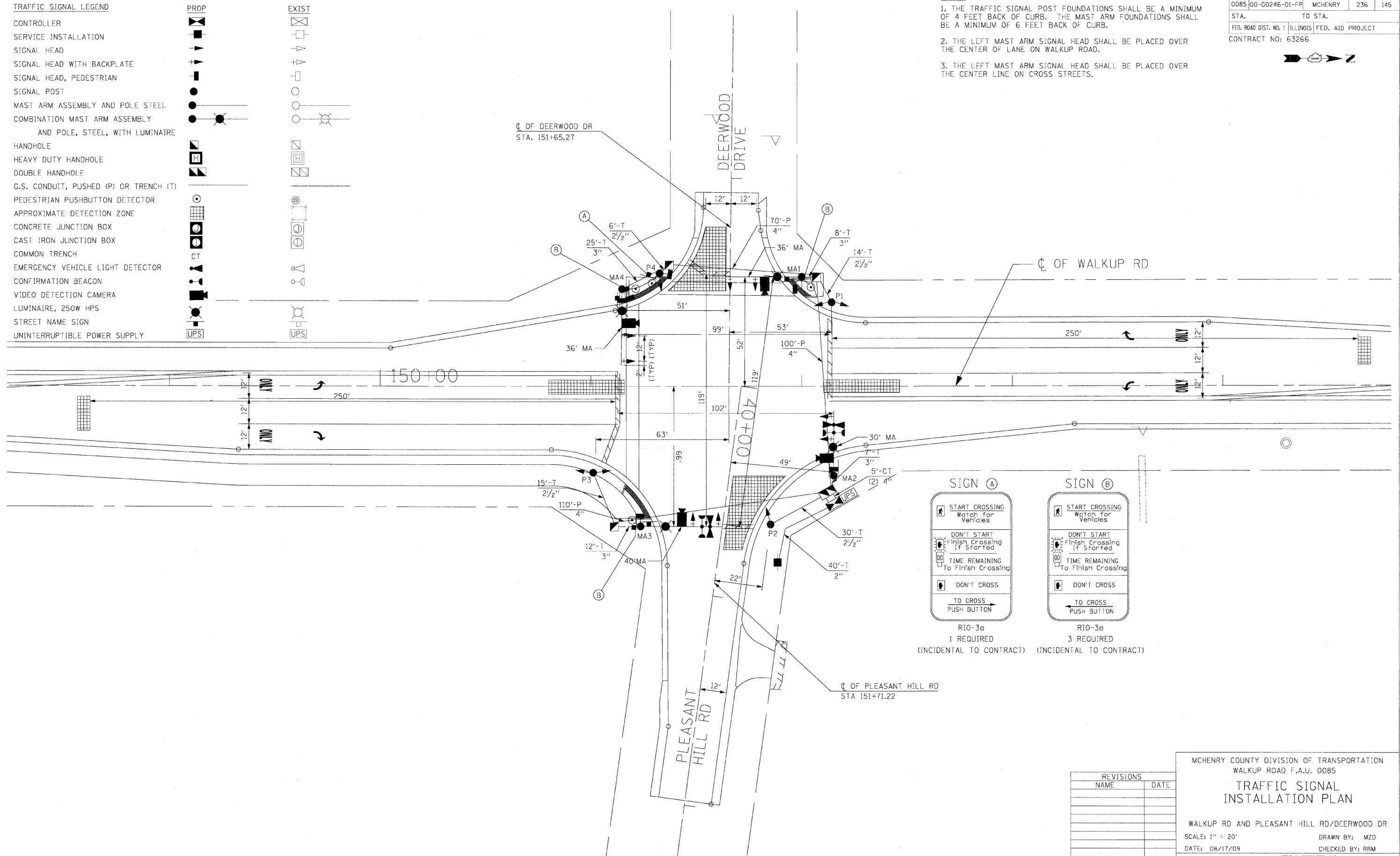
F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085 00-00246-01-FP	MCHENRY	236	145
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
		CONTRACT NO: 63266	

- NOTES:
- THE TRAFFIC SIGNAL POST FOUNDATIONS SHALL BE A MINIMUM OF 4 FEET BACK OF CURB. THE MAST ARM FOUNDATIONS SHALL BE A MINIMUM OF 6 FEET BACK OF CURB.
  - THE LEFT MAST ARM SIGNAL HEAD SHALL BE PLACED OVER THE CENTER OF LANE ON WALKUP ROAD.
  - THE LEFT MAST ARM SIGNAL HEAD SHALL BE PLACED OVER THE CENTER LINE ON CROSS STREETS.



TRAFFIC SIGNAL LEGEND

	PROP	EXIST
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE STEEL		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL, WITH LUMINAIRE		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT, PUSHED (P) OR TRENCH (T)		
PEDESTRIAN PUSHBUTTON DETECTOR		
APPROXIMATE DETECTION ZONE		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
COMMON TRENCH		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
VIDEO DETECTION CAMERA		
LUMINAIRE, 250W HPS		
STREET NAME SIGN		
UNINTERRUPTIBLE POWER SUPPLY		



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**TRAFFIC SIGNAL  
INSTALLATION PLAN**

WALKUP RD AND PLEASANT HILL RD/DEERWOOD DR  
SCALE: 1" = 20'  
DATE: 08/17/09

DRAWN BY: MZD  
CHECKED BY: RRM

TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
206 N. MICHIGAN AVE. CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

...\\P0008R1.DGN ...\\P0008R2.DGN ...\\P0008R3.DGN ...\\P0008R4.DGN ...\\P0008R5.DGN ...\\P0008R6.DGN ...\\P0008R7.DGN ...\\P0008R8.DGN ...\\P0008R9.DGN ...\\P0008R10.DGN ...\\P0008R11.DGN ...\\P0008R12.DGN ...\\P0008R13.DGN ...\\P0008R14.DGN ...\\P0008R15.DGN ...\\P0008R16.DGN ...\\P0008R17.DGN ...\\P0008R18.DGN ...\\P0008R19.DGN ...\\P0008R20.DGN ...\\P0008R21.DGN ...\\P0008R22.DGN ...\\P0008R23.DGN ...\\P0008R24.DGN ...\\P0008R25.DGN ...\\P0008R26.DGN ...\\P0008R27.DGN ...\\P0008R28.DGN ...\\P0008R29.DGN ...\\P0008R30.DGN ...\\P0008R31.DGN ...\\P0008R32.DGN ...\\P0008R33.DGN ...\\P0008R34.DGN ...\\P0008R35.DGN ...\\P0008R36.DGN ...\\P0008R37.DGN ...\\P0008R38.DGN ...\\P0008R39.DGN ...\\P0008R40.DGN ...\\P0008R41.DGN ...\\P0008R42.DGN ...\\P0008R43.DGN ...\\P0008R44.DGN ...\\P0008R45.DGN ...\\P0008R46.DGN ...\\P0008R47.DGN ...\\P0008R48.DGN ...\\P0008R49.DGN ...\\P0008R50.DGN ...\\P0008R51.DGN ...\\P0008R52.DGN ...\\P0008R53.DGN ...\\P0008R54.DGN ...\\P0008R55.DGN ...\\P0008R56.DGN ...\\P0008R57.DGN ...\\P0008R58.DGN ...\\P0008R59.DGN ...\\P0008R60.DGN ...\\P0008R61.DGN ...\\P0008R62.DGN ...\\P0008R63.DGN ...\\P0008R64.DGN ...\\P0008R65.DGN ...\\P0008R66.DGN ...\\P0008R67.DGN ...\\P0008R68.DGN ...\\P0008R69.DGN ...\\P0008R70.DGN ...\\P0008R71.DGN ...\\P0008R72.DGN ...\\P0008R73.DGN ...\\P0008R74.DGN ...\\P0008R75.DGN ...\\P0008R76.DGN ...\\P0008R77.DGN ...\\P0008R78.DGN ...\\P0008R79.DGN ...\\P0008R80.DGN ...\\P0008R81.DGN ...\\P0008R82.DGN ...\\P0008R83.DGN ...\\P0008R84.DGN ...\\P0008R85.DGN ...\\P0008R86.DGN ...\\P0008R87.DGN ...\\P0008R88.DGN ...\\P0008R89.DGN ...\\P0008R90.DGN ...\\P0008R91.DGN ...\\P0008R92.DGN ...\\P0008R93.DGN ...\\P0008R94.DGN ...\\P0008R95.DGN ...\\P0008R96.DGN ...\\P0008R97.DGN ...\\P0008R98.DGN ...\\P0008R99.DGN ...\\P0008R100.DGN

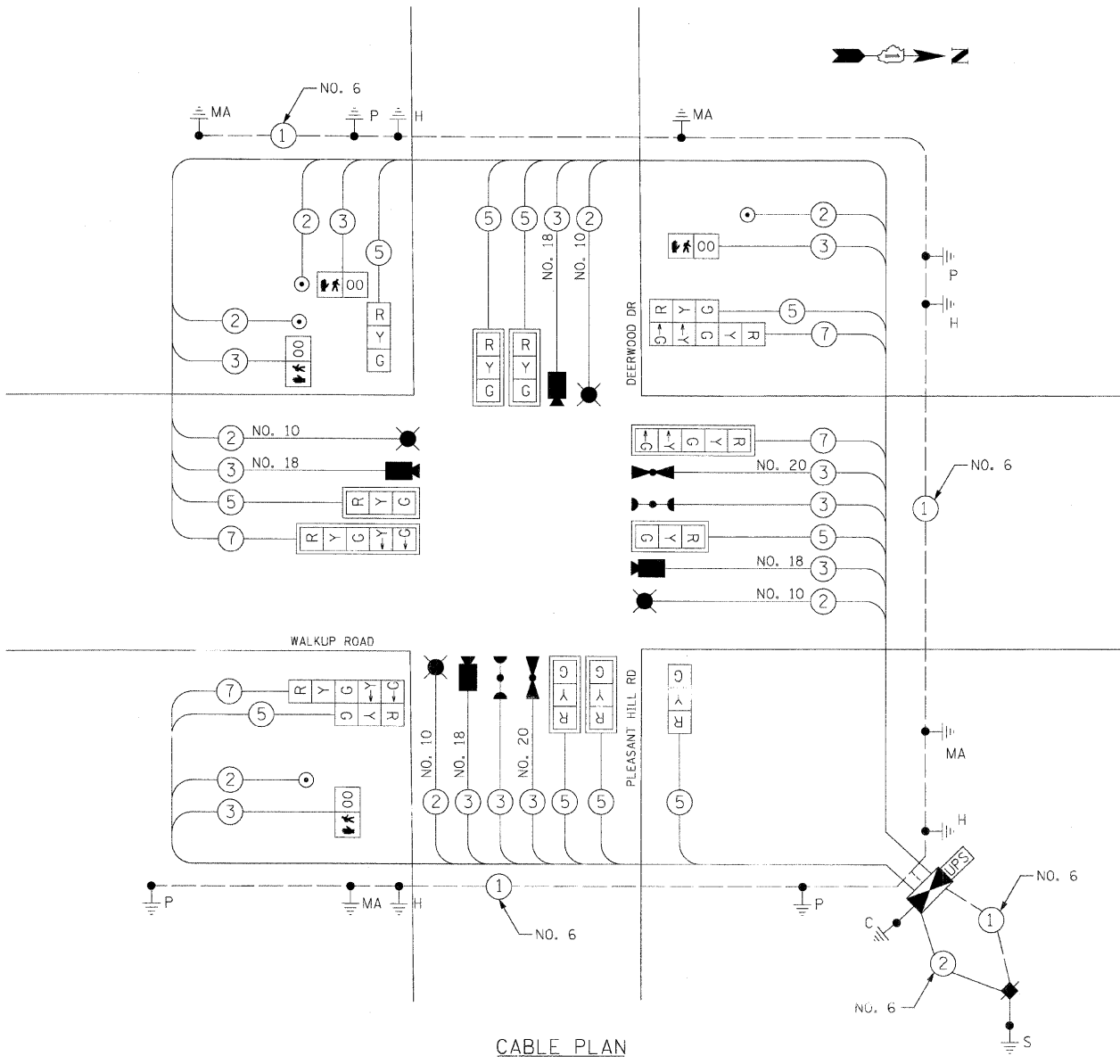
### CABLE PLAN LEGEND

#### PROPOSED

- R 12" TRAFFIC SIGNAL SECTION
- 16' X 18' 16' X 18' PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- CONTROLLER CABINET CONTROLLER CABINET
- SERVICE INSTALLATION SERVICE INSTALLATION
- T TELEPHONE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP VEHICLE DETECTOR, INDUCTION LOOP
- EMERGENCY VEHICLE LIGHT DETECTOR EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON CONFIRMATION BEACON
- PUSH-BUTTON DETECTOR PUSH-BUTTON DETECTOR
- 2 DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- 1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
- 24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM2F & SM2F
- R Y G SIGNAL FACE WITH BACKPLATE. \*P\* INDICATES PROGRAMMED HEAD.
- RAILROAD CONTROL CABINET RAILROAD CONTROL CABINET
- ILLUMINATED SIGN 'NO LEFT TURN' ILLUMINATED SIGN 'NO LEFT TURN'
- ILLUMINATED SIGN 'NO RIGHT TURN' ILLUMINATED SIGN 'NO RIGHT TURN'
- HANDHOLE HANDHOLE
- C GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
- P GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- B BATTERY BACKUP SYSTEM
- VIDEO DETECTION CAMERA VIDEO DETECTION CAMERA
- LUMINAIRE, 250W HPS LUMINAIRE, 250W HPS

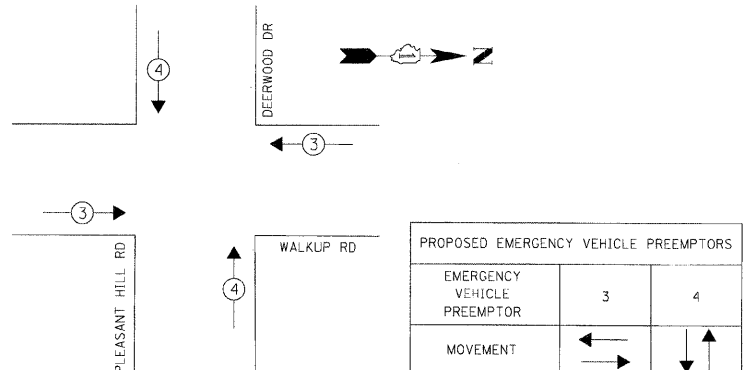
### WATTAGE CALCULATION TABLE

MCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	LED X % OPERATION		
SIGNAL (RED)	14	X	10	0.50	70.0
(YELLOW)	14	X	19	0.10	26.6
(GREEN)	14	X	11	0.40	61.6
ARROW	8	X	9	0.10	7.2
PED. SIGNAL	4	X	9	1.00	36.0
CONTROLLER	1	X	300	1.00	300.0
LUMINAIRE HPS	4	250		0.50	500.0
ENERGY COSTS TO:					TOTAL =
MCHENRY COUNTY DIVISION OF TRANSPORTATION					1001.4
16111 NELSON ROAD					
WOODSTOCK, IL 60098					
ENERGY SUPPLY: CONTACT: MS ELLIE SARALLO					
PHONE: (847) 608 2400					
COMPANY: COM. ED.					



CABLE PLAN

### EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

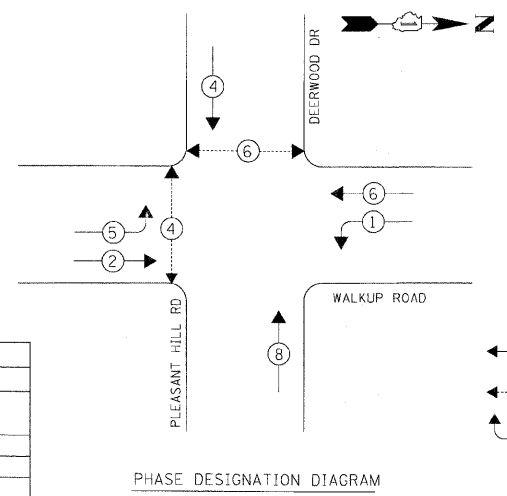
FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2
E - M. ARM POLE	15	SIGNAL POST	2	BRACKET MOUNTED	13
		CONTROLLER CAB.	1	PED. PUSHBUTTON	4
		FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

SCHEDULE OF QUANTITIES			
PAY CODE	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ. FT.	18
72000200	SIGN PANEL - TYPE 2	SQ. FT.	52.5
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	40
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	62
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	55
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	280
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	165
81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1C NO. 10	FOOT	753
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL 250 WATT	EACH	4
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	771
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1102.5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1788
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	707.5
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	58
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	4
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
X8050015	SERVICE INSTALLATION-POLE MOUNTED	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	514
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	292.5
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	733
X8620020	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1

### NOTES:

1. ALL TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE ECONOLITE TRAFFIC CONTROL EQUIPMENT.
2. VIDEO DETECTION CAMERA SHALL BE AUTOSCOPE TERRA.
3. VIDEO DETECTION CABLE SHALL BE NO. 18, 3C.
4. CONTROLLER SHALL BE ECONOLITE ASC3.
5. TYPE IV CABINET.
6. EVP CABLE SHALL BE 3C #20, TWISTED, SHIELDED.
7. CONFIRMATION BEACON CABLE SHALL BE 3C #14.
8. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN HEAD. SIDE BY SIDE 16" X 18".
9. GROUNDING OF SIGNAL EQUIPMENT INCIDENTAL TO FOUNDATION PAY ITEM.
10. CONFIRMATION BEACON SHALL BE LED.

### CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

### LEGEND

- DUAL ENTRY PHASE DUAL ENTRY PHASE
- PEDESTRIAN PHASE PEDESTRIAN PHASE
- OVERLAP OVERLAP
- NUMBER REFERS TO ASSOCIATED PHASE NUMBER REFERS TO ASSOCIATED PHASE

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SOO, CABLE PLAN,  
PHASE DESIGNATION DIAGRAM,  
EMERGENCY VEHICLE SEQUENCE**

WALKUP RD AND PLEASANT HILL RD/DEERWOOD DR

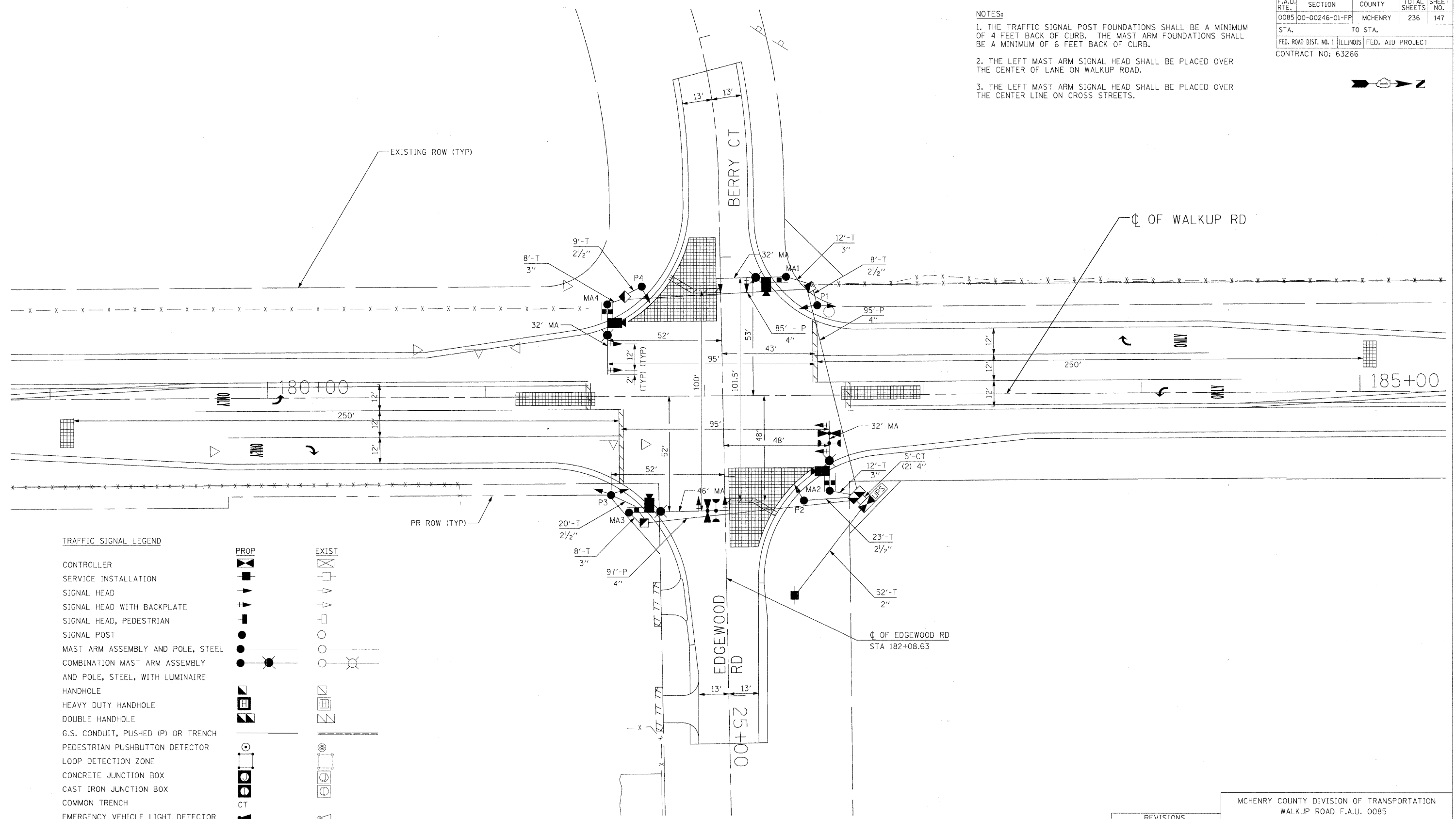
SCALE: N.T.S. DRAWN BY: MZO  
DATE: 08/17/09 CHECKED BY: RRM

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
200 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	147
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				

NOTES:  
 1. THE TRAFFIC SIGNAL POST FOUNDATIONS SHALL BE A MINIMUM OF 4 FEET BACK OF CURB. THE MAST ARM FOUNDATIONS SHALL BE A MINIMUM OF 6 FEET BACK OF CURB.  
 2. THE LEFT MAST ARM SIGNAL HEAD SHALL BE PLACED OVER THE CENTER OF LANE ON WALKUP ROAD.  
 3. THE LEFT MAST ARM SIGNAL HEAD SHALL BE PLACED OVER THE CENTER LINE ON CROSS STREETS.



TRAFFIC SIGNAL LEGEND

CONTROLLER		PROP		EXIST	
SERVICE INSTALLATION					
SIGNAL HEAD					
SIGNAL HEAD WITH BACKPLATE					
SIGNAL HEAD, PEDESTRIAN					
SIGNAL POST					
MAST ARM ASSEMBLY AND POLE, STEEL					
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL, WITH LUMINAIRE HANDHOLE					
HEAVY DUTY HANDHOLE					
DOUBLE HANDHOLE					
G.S. CONDUIT, PUSHED (P) OR TRENCH					
PEDESTRIAN PUSHBUTTON DETECTOR					
LOOP DETECTION ZONE					
CONCRETE JUNCTION BOX					
CAST IRON JUNCTION BOX					
COMMON TRENCH					
EMERGENCY VEHICLE LIGHT DETECTOR					
CONFIRMATION BEACON					
APPROXIMATE DETECTION ZONE					
VIDEO DETECTION CAMERA					
LUMINAIRE, 250W HPS					
UNINTERRUPTIBLE POWER SUPPLY					
STREET NAME SIGN					

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085

### TRAFFIC SIGNAL INSTALLATION PLAN

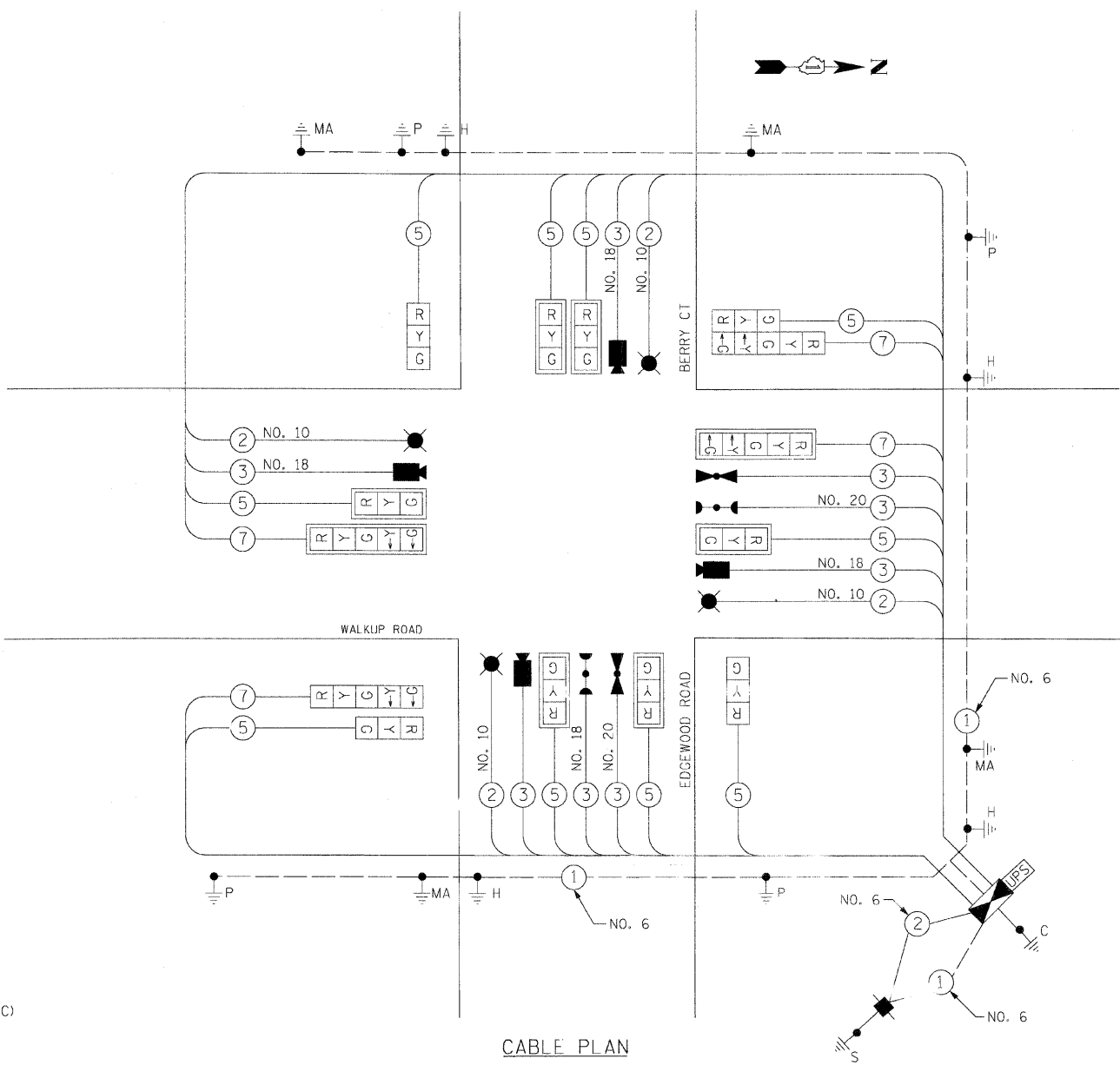
WALKUP RD AND EDGEWOOD RD/BERRY CT  
 SCALE: 1" = 20'  
 DATE: 08/17/09  
 DRAWN BY: MZD  
 CHECKED BY: RRM

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 236 N. MICHIGAN AVE., CHICAGO, IL 60601  
 TELEPHONE: 312/616-0000

\ITB00Y\_V.DWG, \R0W004R8R.DWG, \P0000R8R.DWG, \U1L00R8R.DWG, \TSC00R8R.DWG, \R0W004R8R.DWG, \V.L.T0080A.DWG  
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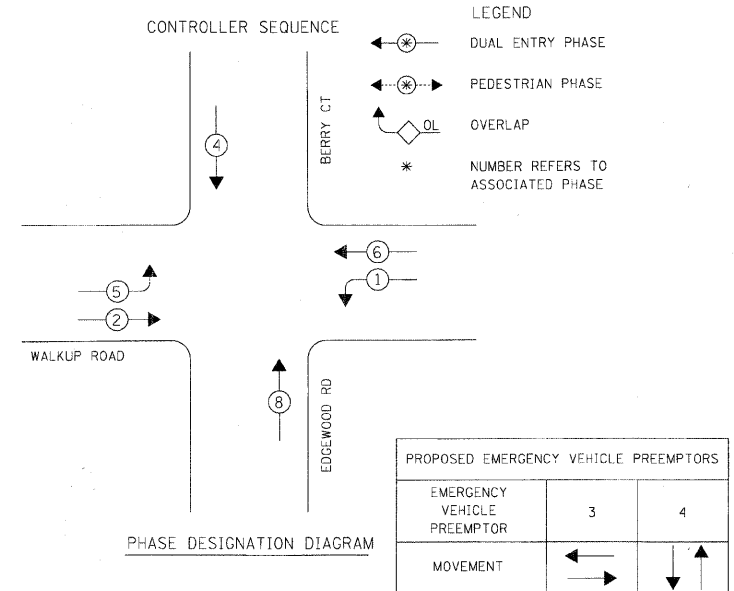
### CABLE PLAN LEGEND

- PROPOSED**
- R 12" TRAFFIC SIGNAL SECTION
  - 16' X 18' 16" X 18" PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
  - [Cabinet] CONTROLLER CABINET
  - [Service] SERVICE INSTALLATION
  - T TELEPHONE INSTALLATION
  - [V.D.] VEHICLE DETECTOR, INDUCTION LOOP
  - [E.V.L.D.] EMERGENCY VEHICLE LIGHT DETECTOR
  - [C.B.] CONFIRMATION BEACON
  - [P.B.D.] PUSH-BUTTON DETECTOR
  - (2) DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - (1) GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
  - (24) FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM2F & SM2F
  - [R Y G] SIGNAL FACE WITH BACKPLATE. \*P\* INDICATES PROGRAMMED HEAD.
  - [R.C.C.] RAILROAD CONTROL CABINET
  - [I.S.] ILLUMINATED SIGN, FIBER OPTIC 'NO LEFT TURN'
  - [I.S.] ILLUMINATED SIGN, FIBER OPTIC 'NO RIGHT TURN'
  - [H.] HANDHOLE
  - [G.R.] GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
  - [P.] GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
  - [S.] GROUND ROD AT ELECTRIC SERVICE INSTALLATION
  - [B.] BATTERY BACKUP SYSTEM
  - [V.D.C.] VIDEO DETECTION CAMERA
  - [L.] LUMINAIRE

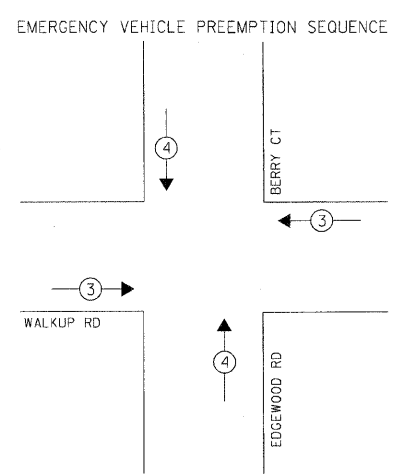


**CABLE PLAN**

- NOTES:**
- ALL TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE ECONOLITE TRAFFIC CONTROL EQUIPMENT.
  - VIDEO DETECTION CAMERA SHALL BE AUTOSCOPE TERRA.
  - VIDEO DETECTION CABLE SHALL BE BELDEN NO.18, 3C.
  - CONTROLLER SHALL BE ECONOLITE ASC3.
  - TYPE IV CABINET.
  - EVP CABLE SHALL BE 3C #20, TWISTED, SHIELDED.
  - CONFIRMATION BEACON CABLE SHALL BE 3C #14.
  - ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN HEAD. SIDE BY SIDE 16" X 18".
  - GROUNDING OF SIGNAL EQUIPMENT INCIDENTAL TO FOUNDATION PAY ITEM.
  - CONFIRMATION BEACON SHALL BE LED.



**PHASE DESIGNATION DIAGRAM**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

PAY CODE	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ. FT.	33
72000200	SIGN PANEL - TYPE 2	SQ. FT.	27.5
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	52
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	60
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	40
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	277
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	157
81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1C NO. 10	FOOT	722
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL 250 WATT	EACH	4
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	283.5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1721
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	680
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	71
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	3
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
X8050015	SERVICE INSTALLATION-POLE MOUNTED	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	503
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	283.5
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 18 3C	FOOT	702
88030050	SIGNAL HEAD, LED, 1 FACE, 3 SECTION, BRACKET MOUNTED	EACH	2
X8620020	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1

MCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS X INCAND.	WATTAGE	LED X % OPERATION		
SIGNAL (RED)	14	X	10	0.50	70.0
(YELLOW)	14	X	19	0.10	26.6
(GREEN)	14	X	11	0.40	61.6
ARROW	8	X	9	0.10	7.2
PED. SIGNAL	--	X	9	1.00	
CONTROLLER	1	X	300	1.00	300
LUMINAIRE	4	250	--	0.50	500.0
TOTAL =					965.4

ENERGY COSTS TO:  
MCHENRY COUNTY DIVISION OF TRANSPORTATION  
16111 NELSON ROAD  
WOODSTOCK, IL 60098

ENERGY SUPPLY: CONTACT: MS. ELLIE SARALLO  
PHONE: 847-608-2400  
COMPANY: COM. ED.

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2= (6m+L-0.6m)=
E - M. ARM POLE	-	SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SOQ, CABLE PLAN,  
PHASE DESIGNATION DIAGRAM,  
EMERGENCY VEHICLE SEQUENCE**

WALKUP RD AND EDGEWOOD RD/BERRY CT

SCALE: N.T.S. DRAWN BY: MZD  
DATE: 08/17/09 CHECKED BY: RRM

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-9000

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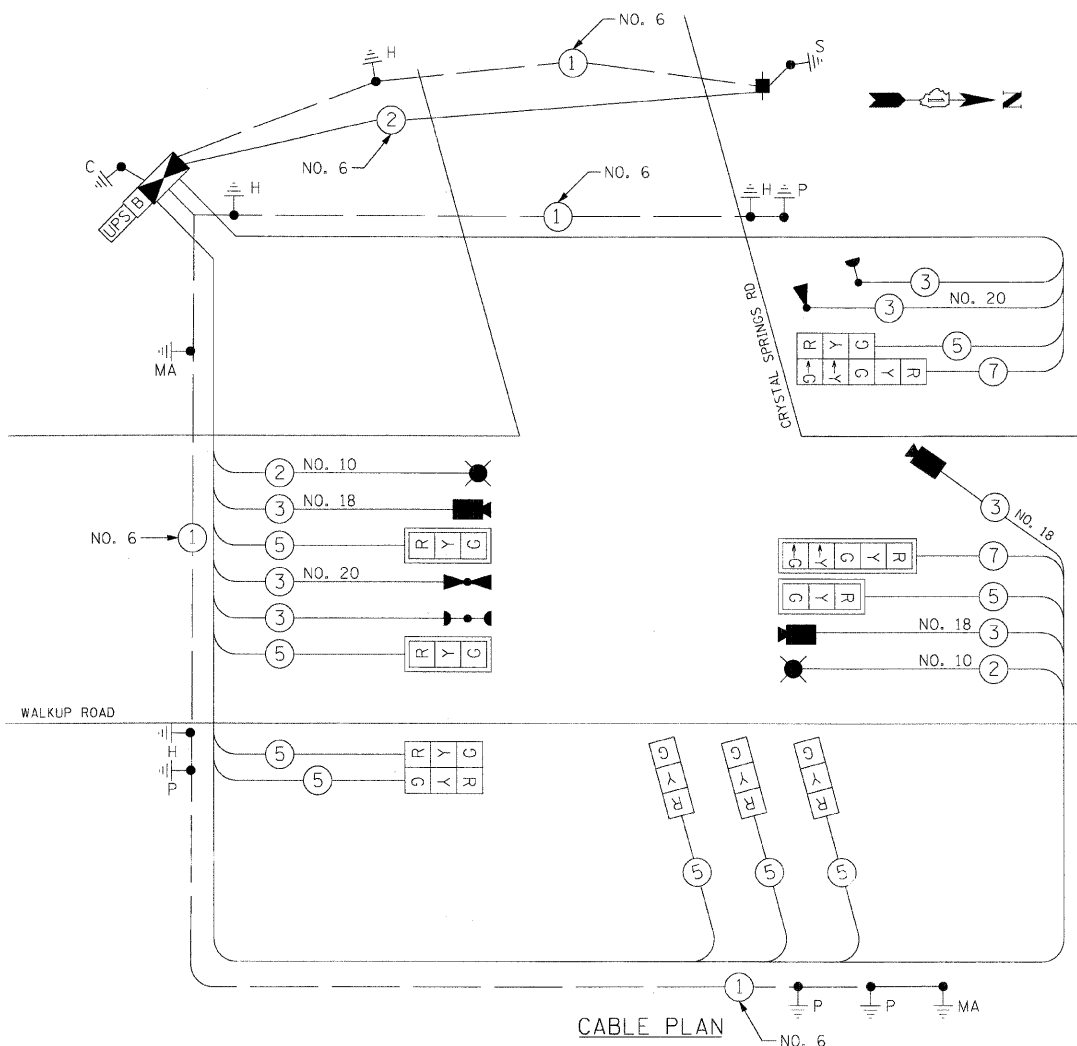




F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	150
STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
			CONTRACT NO: 63266	

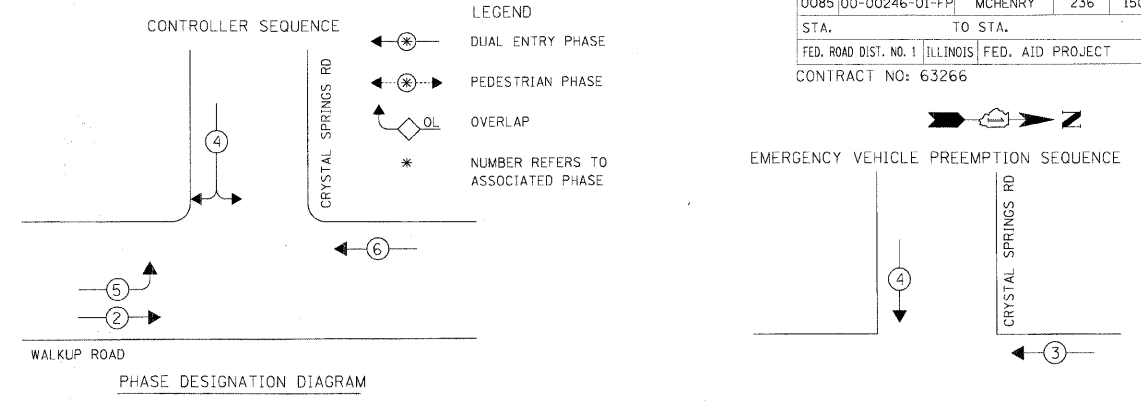
**CABLE PLAN LEGEND**

- PROPOSED**
- [G] 8" TRAFFIC SIGNAL SECTION
  - [R] 12" TRAFFIC SIGNAL SECTION
  - [16' X 18'] 16" X 18" PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
  - [CONTROLLER CABINET]
  - [SERVICE INSTALLATION]
  - [T] TELEPHONE INSTALLATION
  - [VEHICLE DETECTOR, INDUCTION LOOP]
  - [MAGNETIC DETECTOR]
  - [EMERGENCY VEHICLE LIGHT DETECTOR]
  - [CONFIRMATION BEACON]
  - [PUSH-BUTTON DETECTOR]
  - (2) DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - (1) GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
  - (24) FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM2F & SM2F
  - [R Y G] SIGNAL FACE WITH BACKPLATE. \*P\* INDICATES PROGRAMMED HEAD.
  - [RAILROAD CONTROL CABINET]
  - [ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"]
  - [ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"]
  - [HANDHOLE]
  - [C] GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
  - [P] GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
  - [S] GROUND ROD AT ELECTRIC SERVICE INSTALLATION
  - [B] BATTERY BACKUP SYSTEM
  - [VIDEO DETECTION CAMERA]
  - [LUMINAIRE, 250W HPS]



**CABLE PLAN**

- NOTES:**
- ALL TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE ECONOLITE TRAFFIC CONTROL EQUIPMENT.
  - VIDEO DETECTION CAMERA SHALL BE AUTOSCOPE TERRA.
  - VIDEO DETECTION CABLE SHALL BE #18, 3C.
  - CONTROLLER SHALL BE ECONOLITE ASC3.
  - TYPE IV CABINET.
  - EVP CABLE SHALL BE 3C #20, TWISTED, SHIELDED.
  - CONFIRMATION BEACON CABLE SHALL BE 3C #14.
  - ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN HEAD. SIDE BY SIDE 16" X 18"
  - GROUNDING OF SIGNAL EQUIPMENT INCIDENTAL TO FOUNDATION PAY ITEM.
  - CONFIRMATION BEACON SHALL BE LED.



**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓

PAY CODE	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SO. FT.	9
72000200	SIGN PANEL - TYPE 2	SO. FT.	30
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	52
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	135
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	128
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	40
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	65
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	207
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	350
81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-IC NO. 10	FOOT	391
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL 250 WATT	EACH	2
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	290.5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1721.5
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	473
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	141.5
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
X8050015	SERVICE INSTALLATION-POLE MOUNTED	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	484
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	290.5
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 18 3C	FOOT	669
88030210	SIGNAL HEAD, LED, 2 FACE, 3 SECTION, BRACKET MOUNTED	EACH	1
X8620020	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1

MCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	LED X % OPERATION		
SIGNAL (RED)	11	X	10	0.50	55.0
(YELLOW)	11	X	19	0.10	20.9
(GREEN)	11	X	11	0.40	48.4
ARROW	4	X	9	0.10	3.6
CONTROLLER	1	X	300	1.00	300
LUMINAIRE	2	X	250	0.50	250
FLASHER	X	X	X	0.50	X
TOTAL =					677.9

ENERGY COSTS TO:  
MCHENRY COUNTY DIVISION OF TRANSPORTATION  
16111 NELSON ROAD  
WOODSTOCK, IL 60098

ENERGY SUPPLY: CONTACT: MS. ELLIE SARALLO  
PHONE: 847-608-2400  
COMPANY: COM. ED.

FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2'
E - M. ARM POLE	-	SIGNAL POST	2		
	24" (600mm)	CONTROLLER CAB.	1	BRACKET MOUNTED	13
	30" (750mm)	FIBER OPTIC	13	PED. PUSHBUTTON	4
	36" (900mm)	ELECTRIC SERVICE	1	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
				POST MOUNTED	6

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

**SOQ, CABLE PLAN,  
PHASE DESIGNATION DIAGRAM,  
EMERGENCY VEHICLE SEQUENCE**

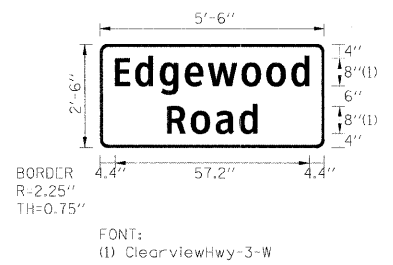
WALKUP RD AND CRYSTAL SPRINGS RD

SCALE: N.T.S. DRAWN BY: MZD  
DATE: 08/17/09 CHECKED BY: RRM

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

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**SIGN DETAIL**



SIGN NUMBER	
WIDTH x HGHT.	5'-6" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

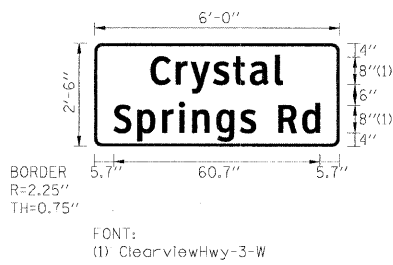
SYMBOL	ROT	X	Y	WID	HT

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
E	d	g	e	w	o	o	d				ClearviewHwy-3-W
4.4	10.4	17.7	25	31.8	41.8	49.1	56.4			57.2	86.5
R	o	a	d								ClearviewHwy-3-W
19.7	26.7	34	41.1							26.6	86.5

**SIGN DETAIL**



SIGN NUMBER	
WIDTH x HGHT.	6'-0" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
C	r	y	s	t	a	l					ClearviewHwy-3-W
16.6	24	28.4	34.9	40.7	45.8	53.2				38.9	86.5
S	p	r	i	n	g	s	R	d			ClearviewHwy-3-W
5.7	12.7	20	24.9	28.8	35.8	42.9	47.5	54.2	61.1	60.7	86.5

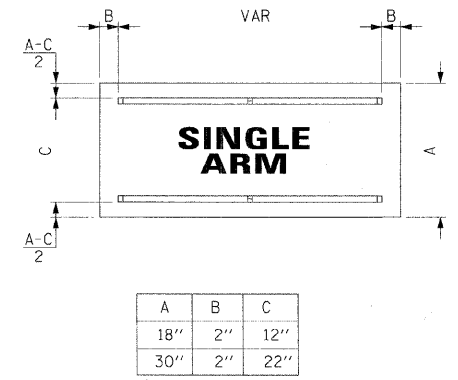
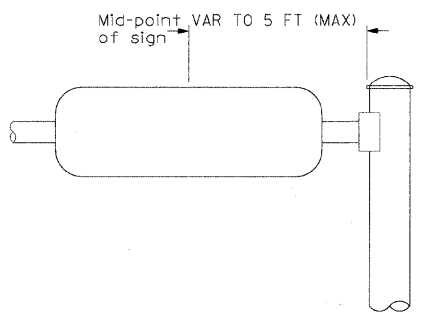
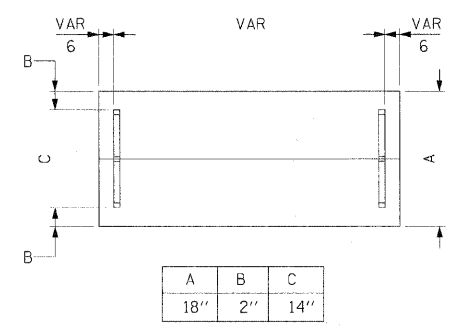
**GENERAL NOTES**

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012 AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND. ALL SIGNS TO BE CONSTRUCTED WITH 3M DIAMOND GRAGE DG3 SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
  - A.K.T. CORPORATION
  - SCHAUMBURG, IL
  - TUCKER COMPANY, INC.
  - WAUWATOSA, WI.
  - AMERICAN FABRICATION CO.
  - CHICAGO HEIGHTS, IL
  - WESTERN TRAFFIC CONTROL INC.
  - CICERO, IL.

**PARTS LISTING**

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

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



REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

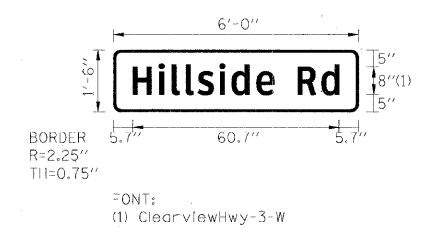
**MAST ARM MOUNTED STREET SIGNS**  
SHEET 1 OF 3

SCALE: N.T.S.      DRAWN BY: BRH  
DATE: 08/17/09      CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

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**SIGN DETAIL**



SIGN NUMBER	
WIDTH x HIGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

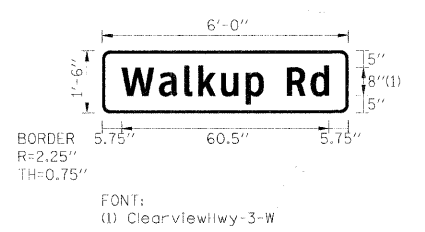
SYMBOL	ROT	X	Y	WID	HT

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIESIZE	
H	i	l	l	s	i	d	e	R	d				ClearviewHwy-3-W
5.7	13.3	17.2	21.3	24.8	31.1	34.7	42	47.3	54.2	61.1			60.7 86.5

**SIGN DETAIL**



SIGN NUMBER	
WIDTH x HIGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

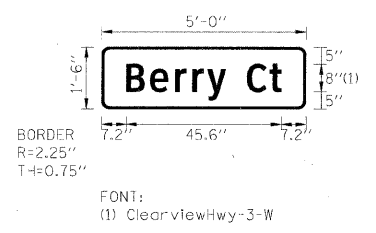
SYMBOL	ROT	X	Y	WID	HT

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIESIZE	
W	a	l	k	u	p	R	d						ClearviewHwy-3-W
5.7	16.7	24.1	28.1	34.8	42.1	47.2	54.1	61.1					60.5 86.5

**SIGN DETAIL**



SIGN NUMBER	
WIDTH x HIGHT.	5'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIESIZE	
B	e	r	r	y	C	t							ClearviewHwy-3-W
7.2	14.2	21.6	26.7	31	36.5	42.6	49.4						45.6 86.5

NOTES:  
1. SEE SHEET 151 FOR GENERAL NOTES AND MOUNTING DETAILS.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

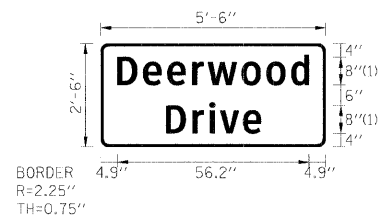
**MAST ARM MOUNTED  
STREET SIGNS  
SHEET 2 OF 3**

SCALE: N.T.S.      DRAWN BY: BRH  
DATE: 08/17/09      CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

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 STANKIRJ

SIGN DETAIL



BORDER  
R=2.25"  
TH=0.75"

FONT:  
(1) ClearviewHwy-3-W

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches tenths

Letter locations are panel edge to lower left corner

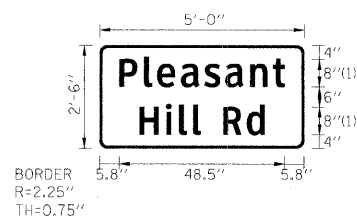
SIGN NUMBER	name
WIDTH x HGHT.	5'-6" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

										LENGTH	SERIESIZE
D	e	e	r	w	o	o	d				ClearviewHwy-3-W
4.9	12.4	19.4	26.8	31.3	41.3	48.6	55.9			56.2	86.5
D	r	i	v	e							ClearviewHwy-3-W
19.1	26.8	31.7	34.9	41.7						27.9	86.5

SIGN DETAIL



BORDER  
R=2.25"  
TH=0.75"

FONT:  
(1) ClearviewHwy-3-W

Panel Style: MCDot Street Sign.ssi  
Dimensions are in inches tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	5'-0" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

										LENGTH	SERIESIZE
P	l	e	a	s	a	n	t				ClearviewHwy-3-W
5.8	13	16.7	23.8	30.6	36.8	44.2	50.8			48.5	86.5
H	i	l	l		R	d					ClearviewHwy-3-W
11.7	19.3	23.2	27.3	29.5	36.2	43.1				36.6	86.5

NOTES:  
1. SEE SHEET 151 FOR GENERAL NOTES AND MOUNTING DETAILS.

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

MAST ARM MOUNTED  
STREET SIGNS  
SHEET 3 OF 3

SCALE: N.T.S. DRAWN BY: BRH  
DATE: 08/17/09 CHECKED BY: MCD

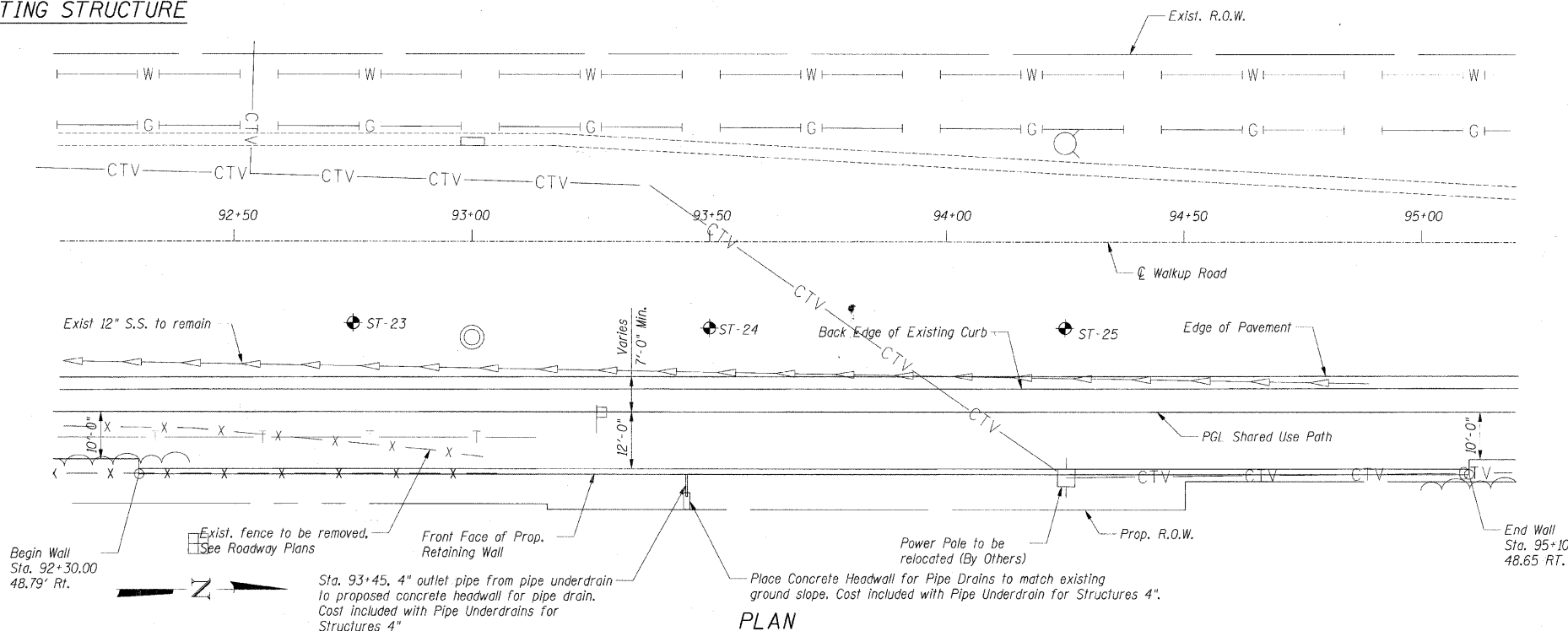
**TENG** TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

**BENCHMARK**

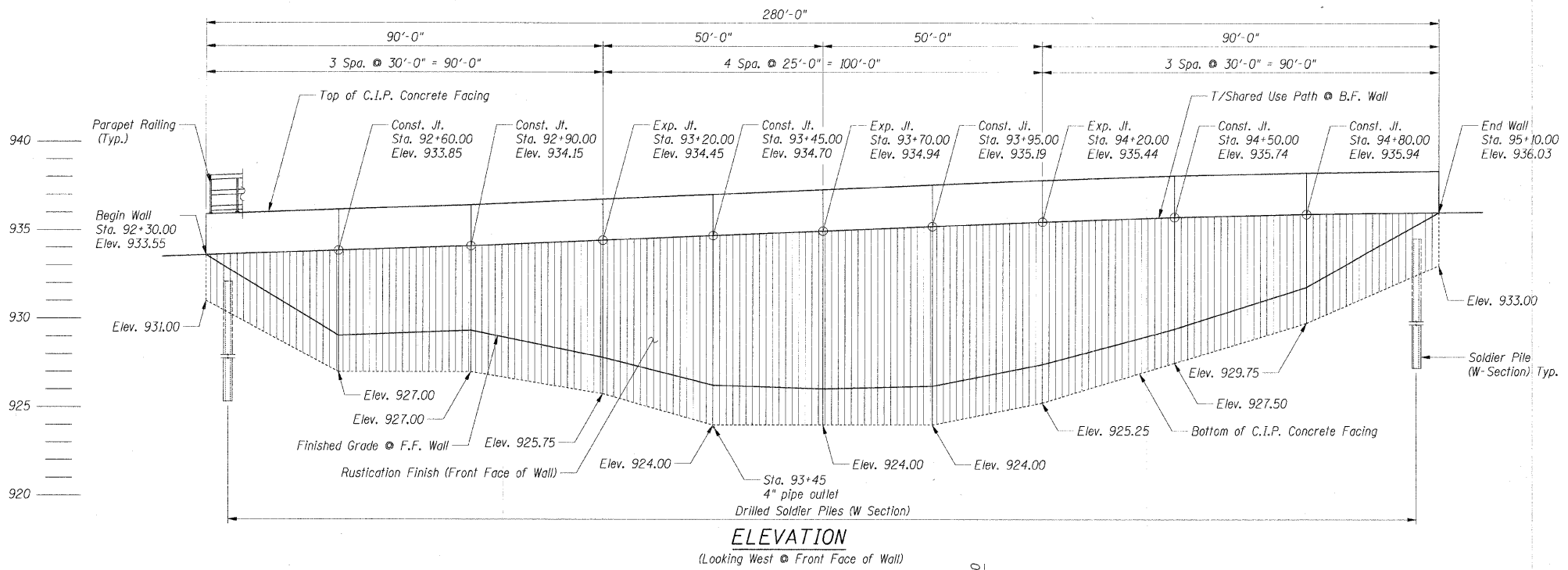
Southeast flange bolt of fire hydrant located at southwest corner of Walkup Road & Hillside Road. E.I. 918.014

**EXISTING STRUCTURE**

None.

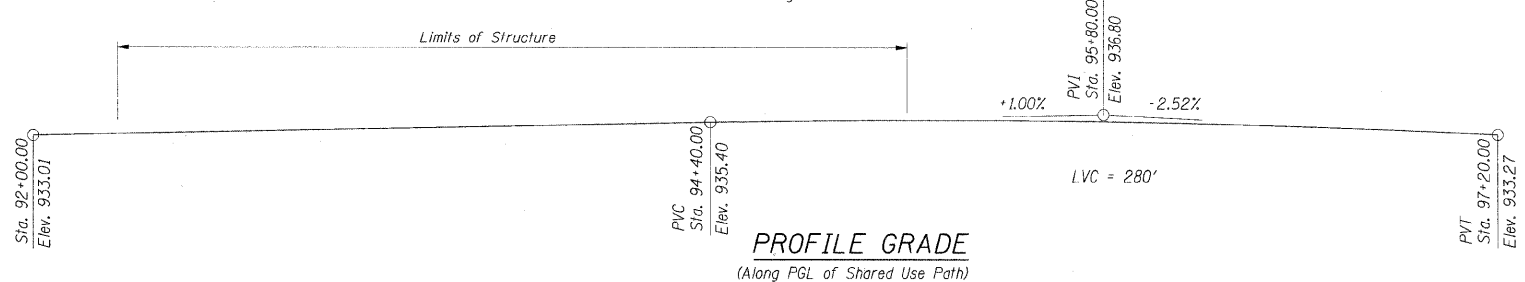


**PLAN**



**ELEVATION**

(Looking West @ Front Face of Wall)



**PROFILE GRADE**

(Along PGL of Shared Use Path)

**DESIGN SPECIFICATIONS**

AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002.

**DESIGN STRESSES**

**FIELD UNITS**

- f'c = 3,500 psi
- fy = 60,000 psi (reinforcement)
- fy = 50,000 psi (AASHTO M270 Gr. 50)
- fb = 1,000 psi (Timber Lagging)

**GENERAL NOTES**

- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See Special Provisions.
- Reinforcement bars designated "(E)" shall be epoxy coated.
- The Contractor is responsible for the design and performance of the lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1,000 psi.
- The clear cover for reinforcement bars to the surface of concrete shall be 2" unless otherwise shown.

**LEGEND**

- W --- Exist. Water Main
- T --- Exist. Telephone
- G --- Exist. Gas Main
- CTV --- Exist. Cable TV
- Exist. Drainage to Remain
- ST-23 Soil Boring
- Exist. Power Pole
- Exist. Tree Line

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	198
Structure Excavation	Cu Yd	82
Concrete Structures	Cu Yd	121.9
Protective Coat	Sq Yd	107
Rustication Finish	Sq Ft	2,274
Stud Shear Connectors	Each	544
Untreated Timber Lagging	Sq Ft	1,733
Reinforcement Bars, Epoxy Coated	Pound	15,080
Parapet Railing	Foot	280
Furnishing Soldier Piles (W Section)	Foot	879
Geocomposite Wall Drain	Sq Yd	159
Pipe Underdrains for Structures 4"	Foot	288
Drilling and Setting Soldier Piles (in Soil)	Cu Ft	4,080

**Notes:**

- Offsets are measured from  $\phi$  of Walkup road to the front face of the wall.
- The wall is to be built along straight lines between construction joints.
- Horizontal dimensions are measured along front face of wall.

**SHT. SB-1**

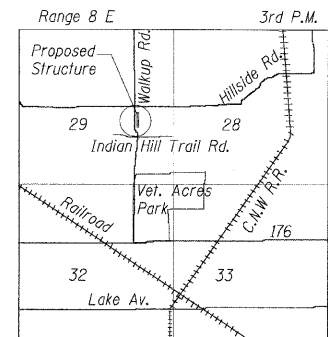
REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085  
 SECTION 00-00246-01-FP  
 STATION 92+30.00 TO 95+10.00  
 RETAINING WALL  
**GENERAL PLAN AND ELEVATION**

SCALE: \_\_\_\_\_ DRAWN BY: MKD  
 DATE: 08/17/09 CHECKED BY: TCG

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 205 N. MICHIGAN AVE., CHICAGO, IL 60601  
 TELEPHONE: 312/616-0000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	154
STA. 92+30.00 TO STA. 95+10.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

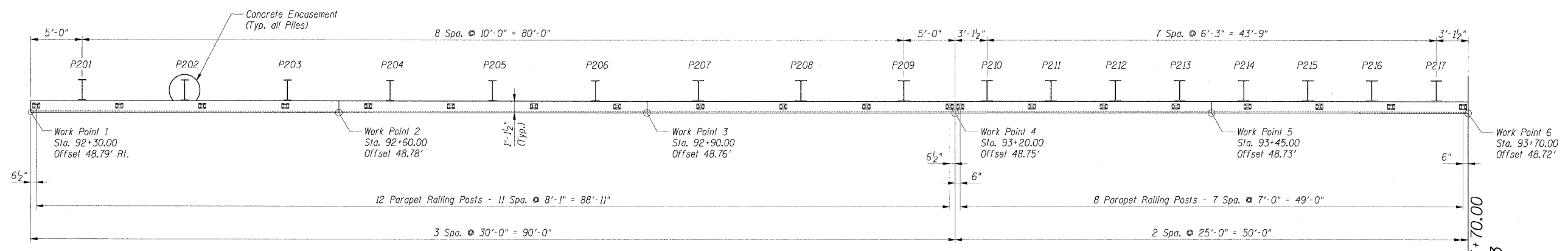


**LOCATION SKETCH**

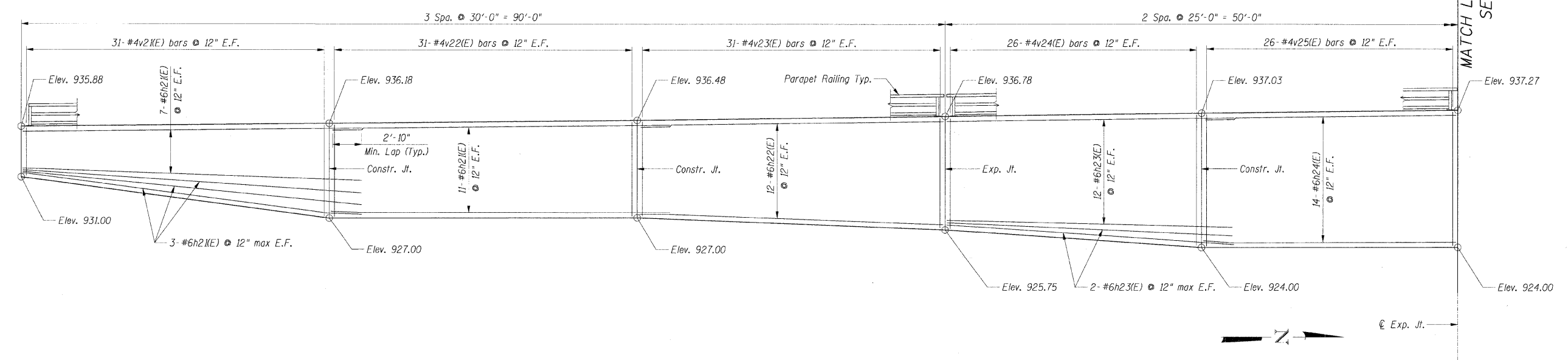
**INDEX OF SHEETS:**

- SB-1 General Plan and Elevation
- SB-2 Plan and Elevation I
- SB-3 Plan and Elevation II
- SB-4 Sections and Details
- SB-5 Schedules and Details
- SB-6 Parapet Railing Details
- SB-7 Soil Boring Logs

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	155
STA. 92+30.00 TO STA. 95+10.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				



PLAN - I



ELEVATION - I

Notes:

1. Work this sheet with sheets SB-3 thru SB-6.
2. E.F. denotes Each Face.
3. P201 Denotes Pile Number

SHT. SB-2

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085  
 SECTION 00-00246-01-FP  
 STATION 92+30.00 TO 95+10.00  
 RETAINING WALL

**PLAN AND ELEVATION I**

SCALE: \_\_\_\_\_ DRAWN BY: MKD  
 DATE: 08/17/09 CHECKED BY: TCG

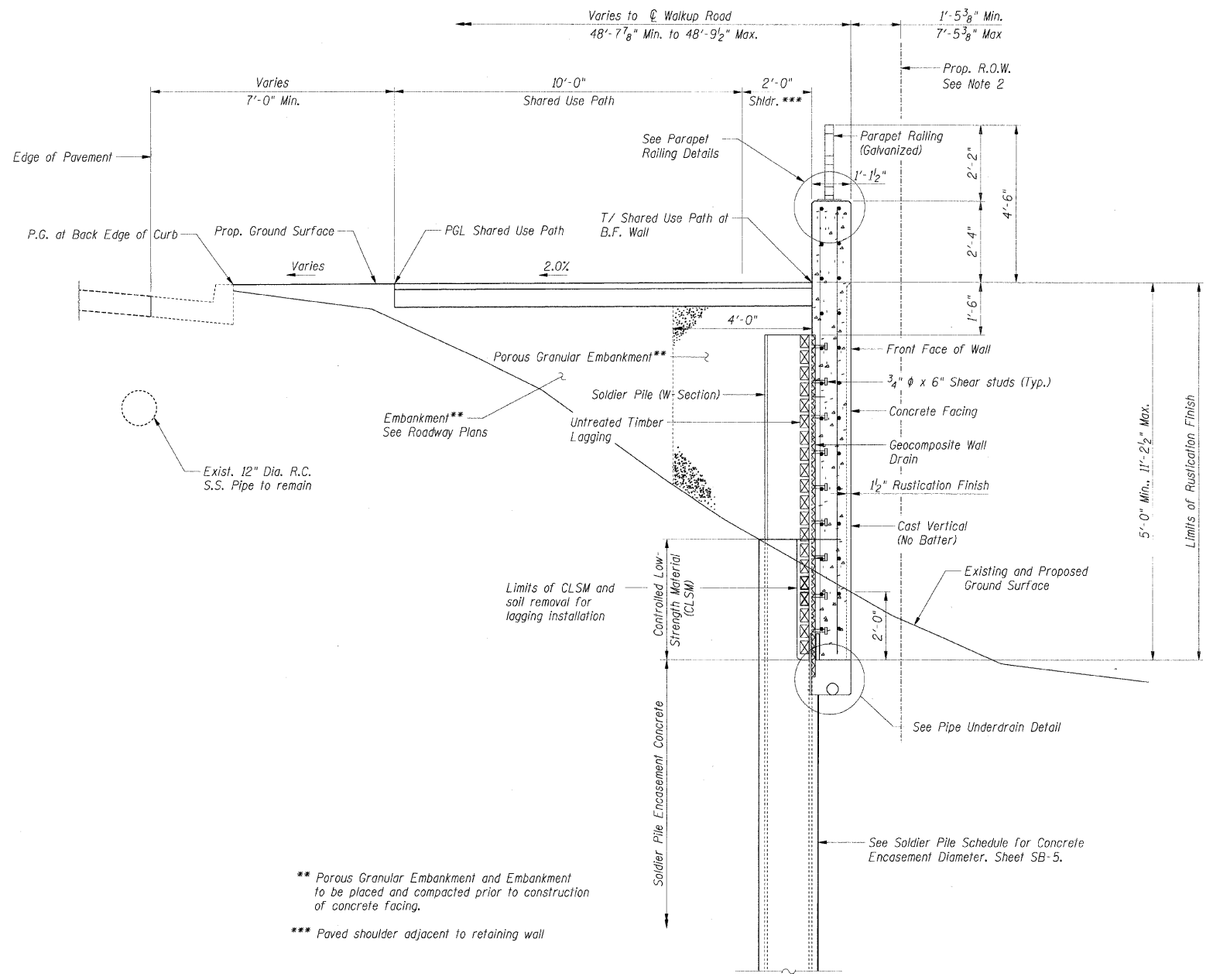
**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 205 N. MICHIGAN AVE., CHICAGO, IL 60601  
 TELEPHONE: 312/616-0000

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 T:\PROJECTS\0085\00246\01\FP\DRAWING\01\RET\00246-01-FP\PLAN AND ELEVATION I.dgn  
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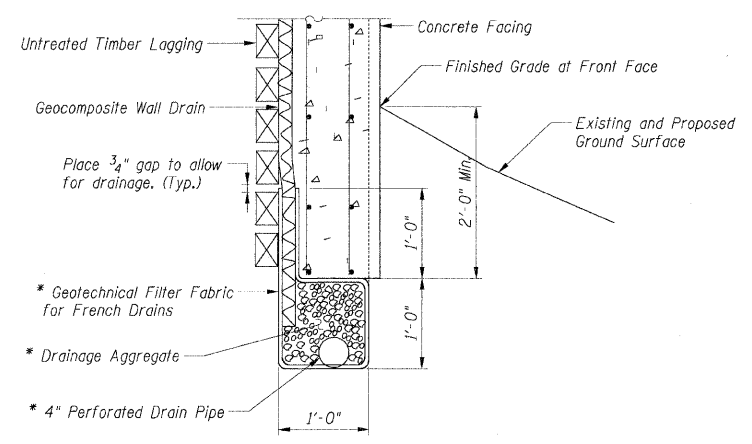


F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	157
STA. 92+30.00 TO STA. 95+10.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				



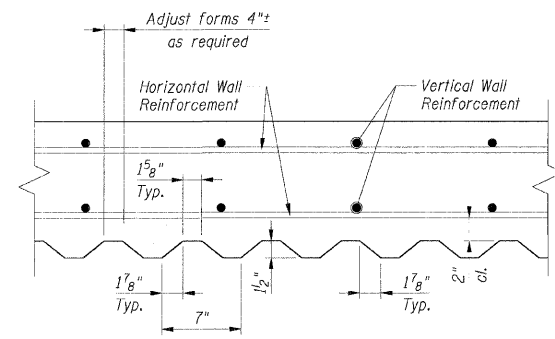
TYPICAL SECTION

\*\* Porous Granular Embankment and Embankment to be placed and compacted prior to construction of concrete facing.  
 \*\*\* Paved shoulder adjacent to retaining wall

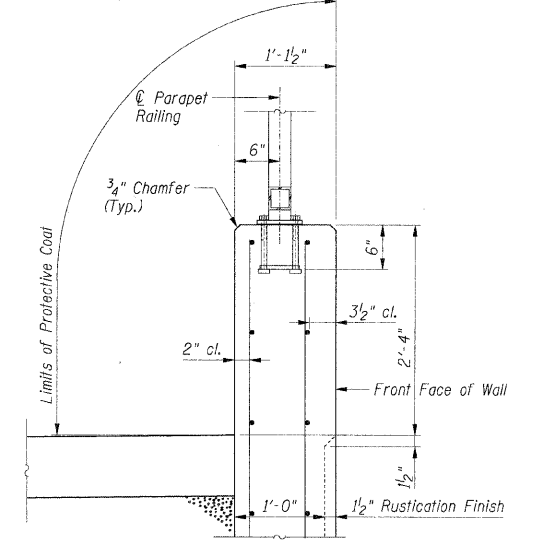


PIPE UNDERDRAIN DETAIL  
 (Between soldier piles shown, at piles similar)

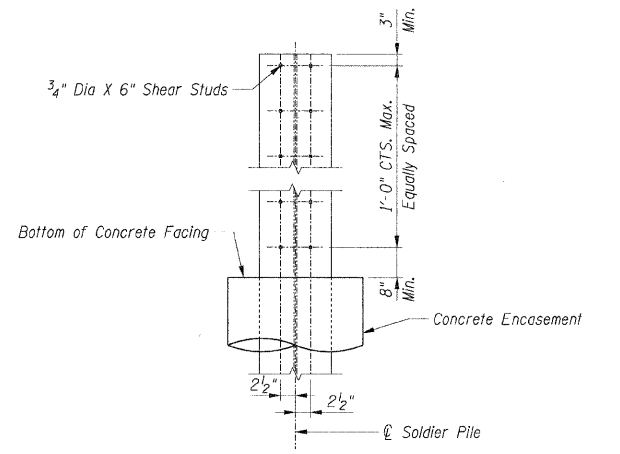
\* Included in the cost of Pipe Underdrains for Structures 4".



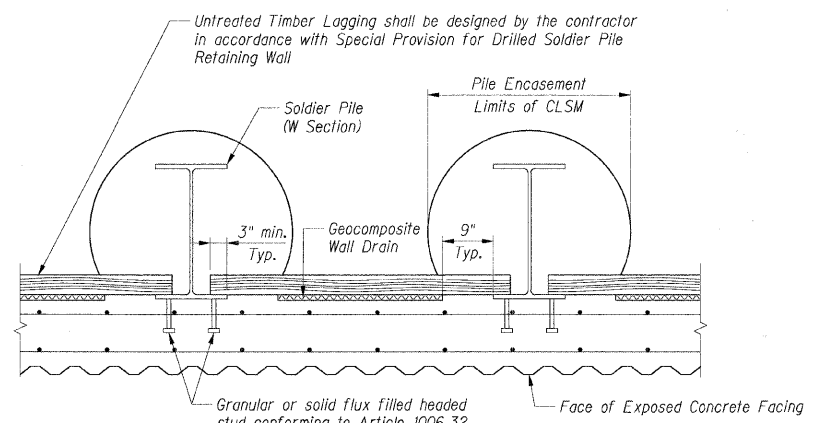
RUSTICATION DETAIL



PARAPET RAILING DETAIL



SHEAR STUD CONNECTION DETAIL



SECTION THRU SOLDIER PILE WALL

- NOTES:
1. Work this sheet with sheets SB-2 thru SB-6
  2. Horizontal dimensions for Structure Excavation will not extend beyond the proposed R.O.W. or as specified in the Standard Specifications.

SHT. SB-4

REVISIONS	NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085  
 SECTION 00-00246-01-FP  
 STATION 92+30.00 TO 95+10.00  
 RETAINING WALL

SCALE: DATE: 08/17/09

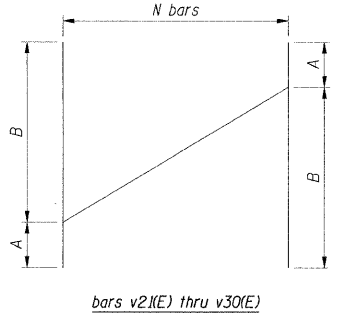
DRAWN BY: MKD  
 CHECKED BY: ICG

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 205 N. WICHITAN AVE. CHICAGO, IL 60601  
 TELEPHONE: 312/616-0200

STAMBUJ  
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**SOLDIER PILE SCHEDULE**

SOLDIER PILE DATA						ENCASEMENT DATA		
PILE	SIZE	TOP ELEV.	BOTT. ELEV.	LENGTH (FT)	NO. OF STUDS	DIA. (IN)	TOP ELEV.	LENGTH (FT)
P201	W24x76	932.11	911.11	21.00	10	30	928.04	16.93
P202	W24x76	932.21	911.21	21.00	12	30	927.63	16.42
P203	W24x76	932.29	911.29	21.00	12	30	927.21	15.92
P204	W24x76	932.37	911.37	21.00	12	30	927.00	15.63
P205	W24x76	932.45	911.45	21.00	12	30	927.00	15.55
P206	W24x76	932.54	911.54	21.00	14	30	927.00	15.46
P207	W24x117	932.64	908.64	24.00	14	36	926.79	18.15
P208	W24x117	932.74	908.74	24.00	14	36	926.38	17.63
P209	W24x117	932.86	908.86	24.00	16	36	925.96	17.10
P210	W24x117	932.95	904.95	28.00	16	36	925.53	20.58
P211	W24x117	933.02	905.02	28.00	18	36	925.09	20.07
P212	W24x117	933.09	905.09	28.00	18	36	924.66	19.57
P213	W24x117	933.16	905.16	28.00	20	36	924.22	19.06
P214	W24x117	933.22	904.22	29.00	20	36	924.00	19.78
P215	W24x117	933.29	904.29	29.00	20	36	924.00	19.71
P216	W24x117	933.35	904.35	29.00	20	36	924.00	19.65
P217	W24x117	933.42	904.42	29.00	20	36	924.00	19.58
P218	W24x117	933.48	903.48	30.00	20	36	924.00	20.52
P219	W24x117	933.55	903.55	30.00	22	36	924.00	20.45
P220	W24x117	933.62	903.62	30.00	22	36	924.00	20.38
P221	W24x117	933.68	903.68	30.00	22	36	924.00	20.32
P222	W24x117	933.75	903.75	30.00	22	36	924.16	20.41
P223	W24x117	933.81	903.81	30.00	20	36	924.47	20.66
P224	W24x117	933.88	903.88	30.00	20	36	924.78	20.91
P225	W24x117	933.94	903.94	30.00	20	36	925.09	21.15
P226	W24x117	934.03	906.03	28.00	18	36	925.63	19.60
P227	W24x117	934.11	906.11	28.00	18	36	926.38	20.27
P228	W24x117	934.19	906.19	28.00	16	36	927.13	20.93
P229	W24x76	934.27	910.27	24.00	14	30	927.88	17.61
P230	W24x76	934.33	910.33	24.00	14	30	928.63	18.30
P231	W24x76	934.39	910.39	24.00	12	30	929.38	18.99
P232	W24x76	934.43	915.43	19.00	10	30	929.96	14.53
P233	W24x76	934.47	915.47	19.00	10	30	930.38	14.91
P234	W24x76	934.50	915.50	19.00	10	30	930.79	15.29

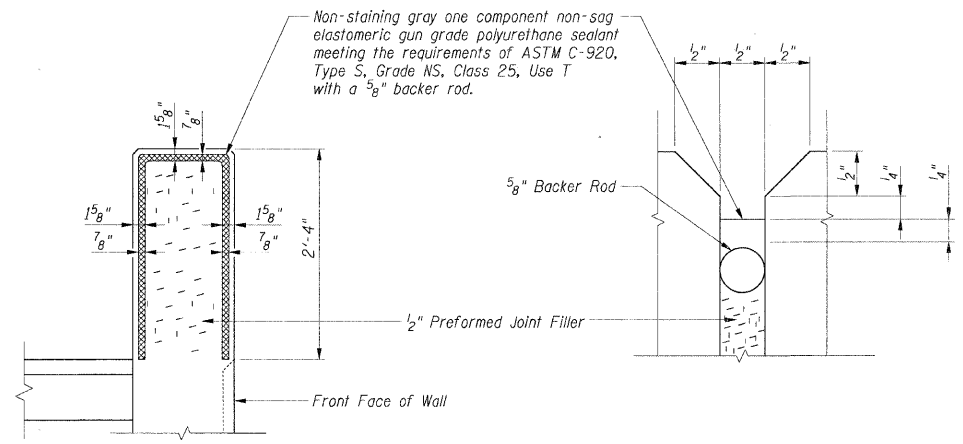


BAR	A	B	N
v21(E)	7'-4"	8'-10"	31
v22(E)	8'-10"	9'-1"	31
v23(E)	9'-1"	10'-8"	31
v24(E)	10'-8"	12'-8"	26
v25(E)	12'-8"	13'-0"	26
v26(E)	13'-0"	13'-2"	26
v27(E)	13'-2"	12'-3"	26
v28(E)	12'-3"	10'-3"	31
v29(E)	10'-3"	8'-2"	31
v30(E)	8'-2"	5'-0"	31

**BAR LIST - CONCRETE FACING**

BAR	NO.	SIZE	LENGTH	SHAPE
v21(E)	94	#6	33'-0"	-----
h22(E)	42	#6	29'-8"	-----
h23(E)	58	#6	28'-0"	-----
h24(E)	58	#6	24'-8"	-----
v21(E)	26	#4	16'-2"	-----
v22(E)	26	#4	17'-11"	-----
v23(E)	26	#4	19'-9"	-----
v24(E)	31	#4	23'-4"	-----
v25(E)	31	#4	25'-8"	-----
v26(E)	31	#4	26'-2"	-----
v27(E)	31	#4	25'-5"	-----
v28(E)	26	#4	22'-6"	-----
v29(E)	26	#4	18'-5"	-----
v30(E)	26	#4	13'-2"	-----

**BAR CUTTING DIAGRAMS**

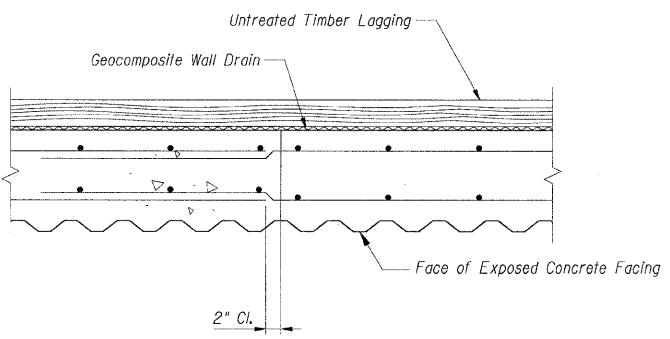


**EXPANSION JOINT DETAIL AT PARAPET**

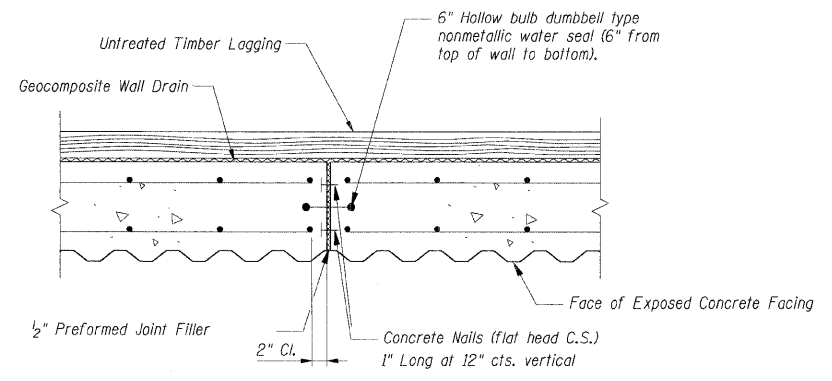
Cost of Preformed Joint Filler, Backer Rod, and sealant included with Concrete Structures.

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Concrete Structures	Cu Yd	124.9
Reinforcement Bars, Epoxy Coated	Lbs	15,080

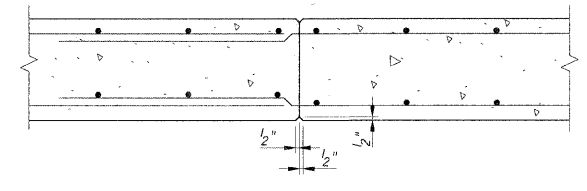


**CONSTRUCTION JOINT DETAIL**



**EXPANSION JOINT DETAIL**

Cost of nonmetallic water seal, concrete nails, and preformed joint filler included with Concrete Structures.



**CONSTRUCTION JOINT DETAIL AT PARAPET**

Notes:  
1. Work this sheet with sheets SB-2 thru SB-4

**SHT. SB-5**

REVISIONS	
NAME	DATE

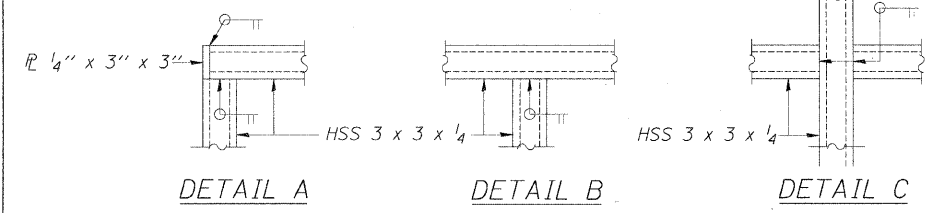
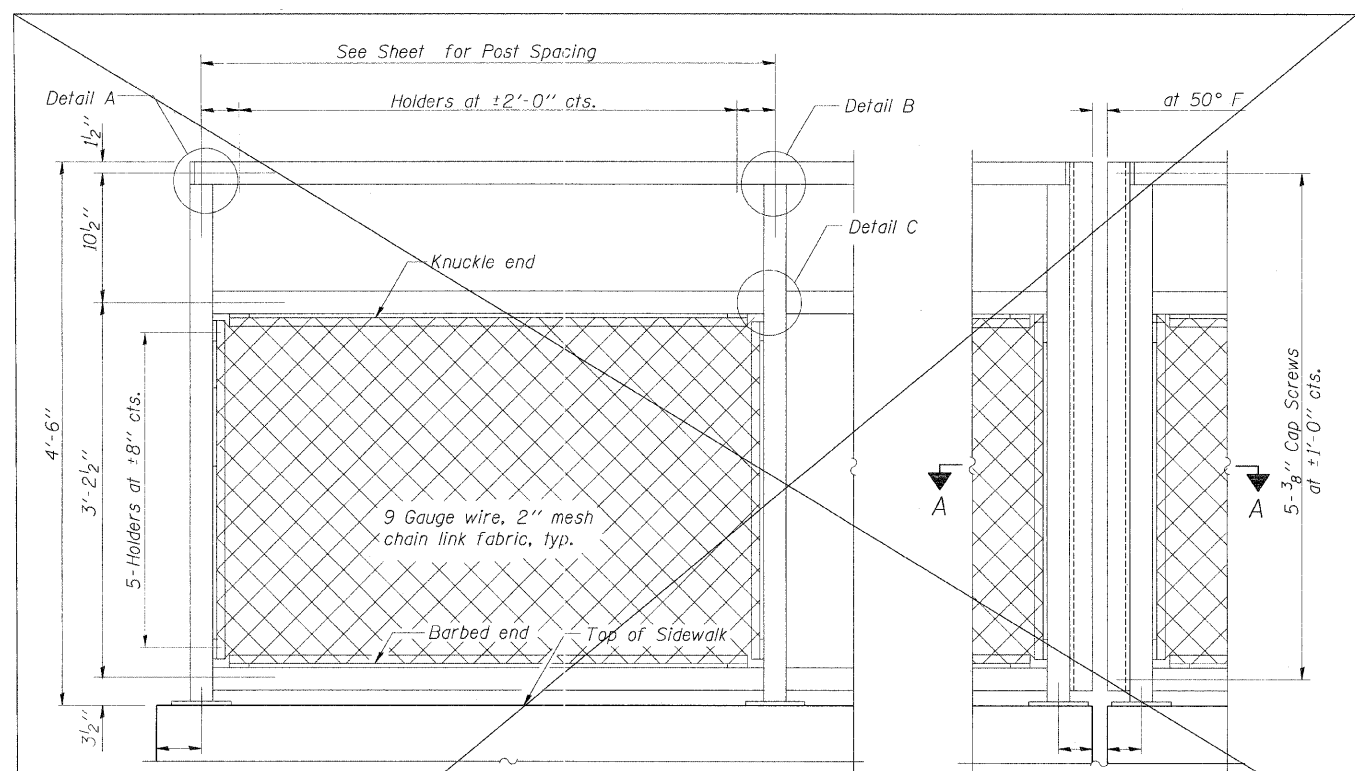
MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085  
SECTION 00-00246-01-FP  
STATION 92+30.00 TO 95+10.00  
RETAINING WALL

**SCHEDULES AND DETAILS**

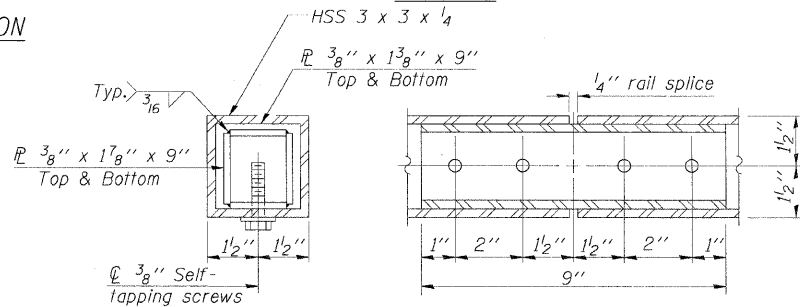
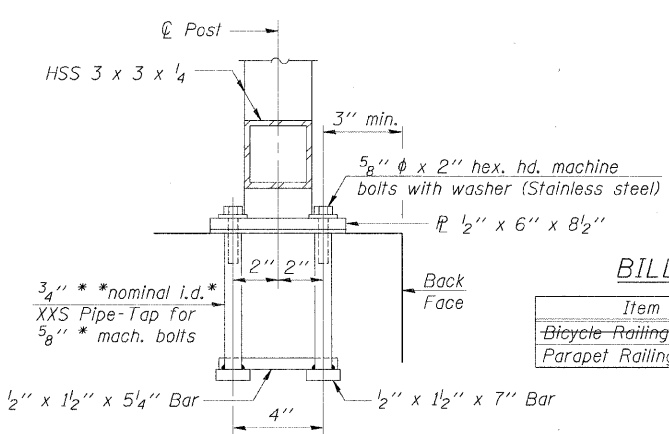
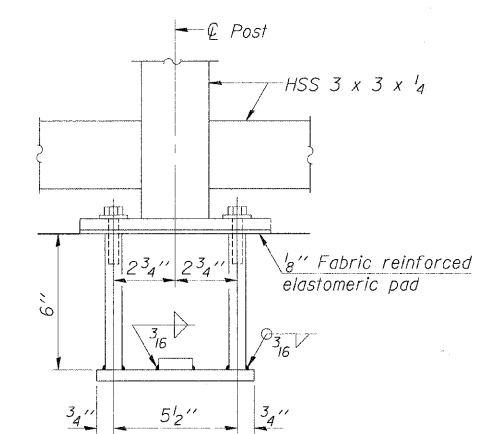
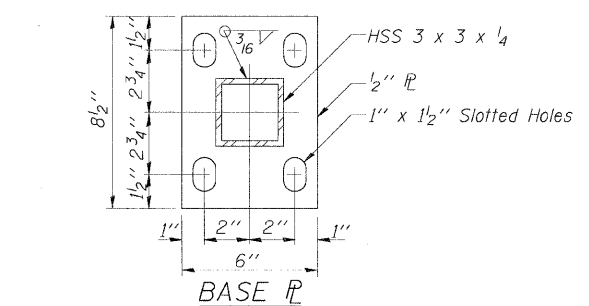
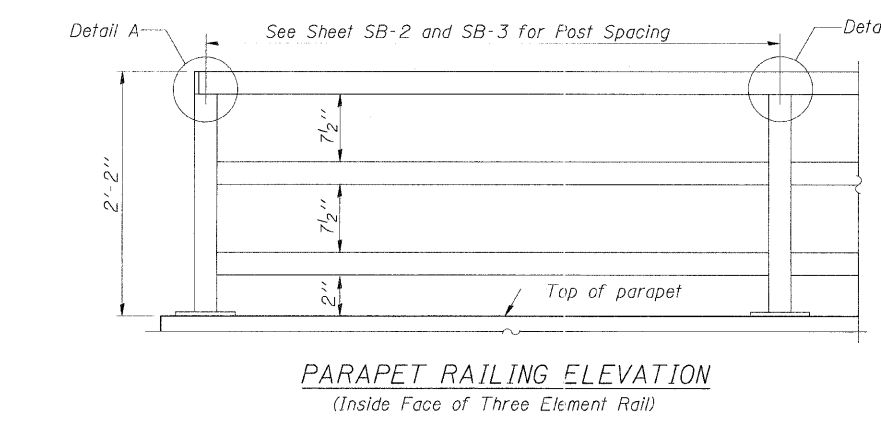
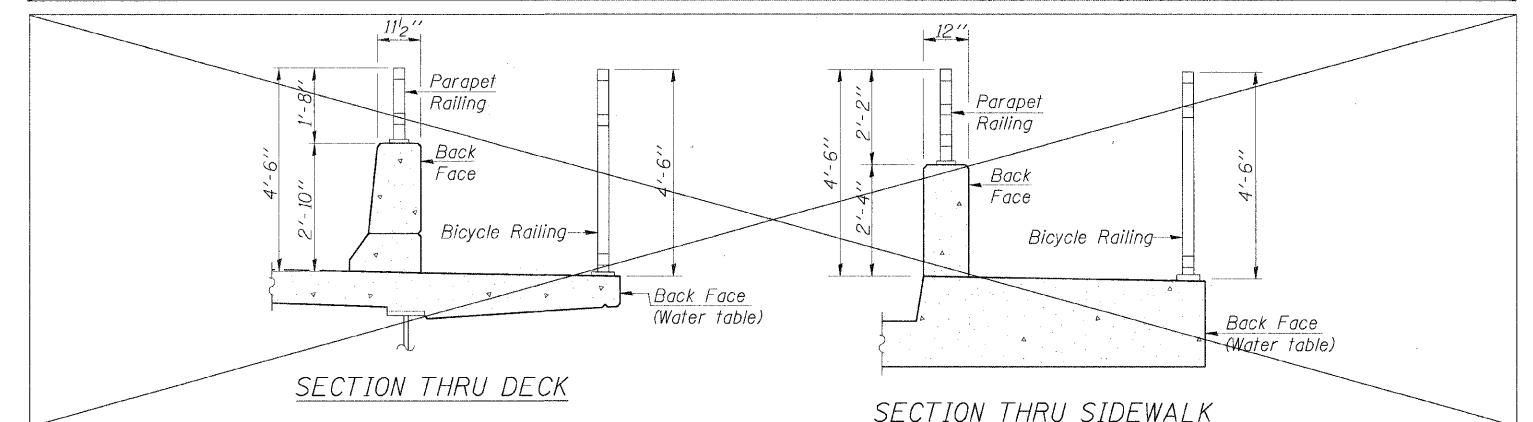
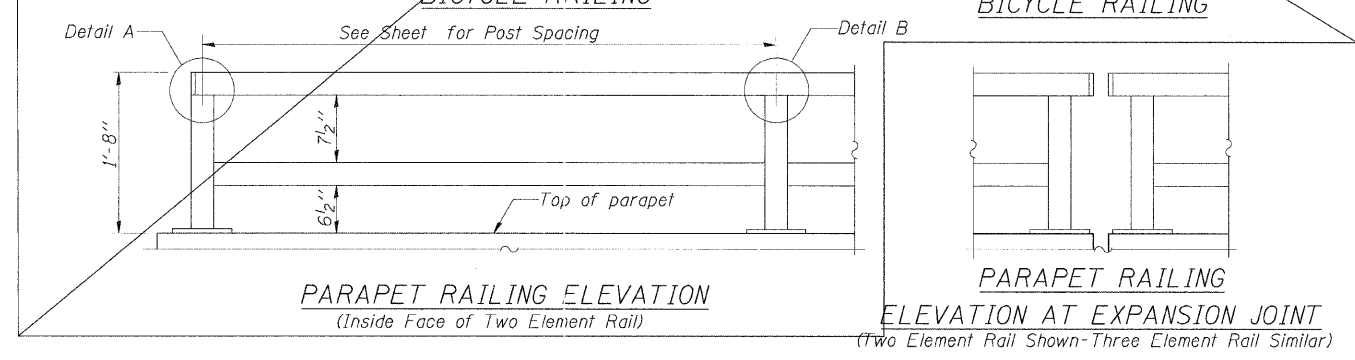
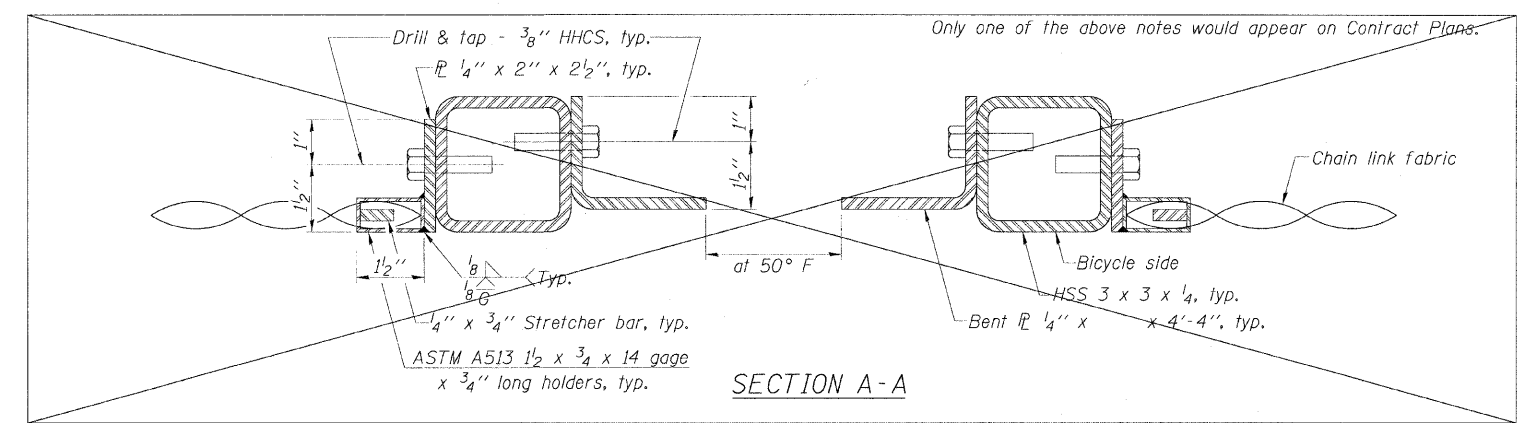
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DATE: 08/17/09 CHECKED BY: TCG

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. WISCONSIN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/816-0000

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**NOTE:**  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing	Foot	
Parapet Railing	Foot	280

**SHT. SB-6**

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085  
SECTION 00-00246-01-FP  
STATION 92+30.00 TO 95+10.00  
RETAINING WALL

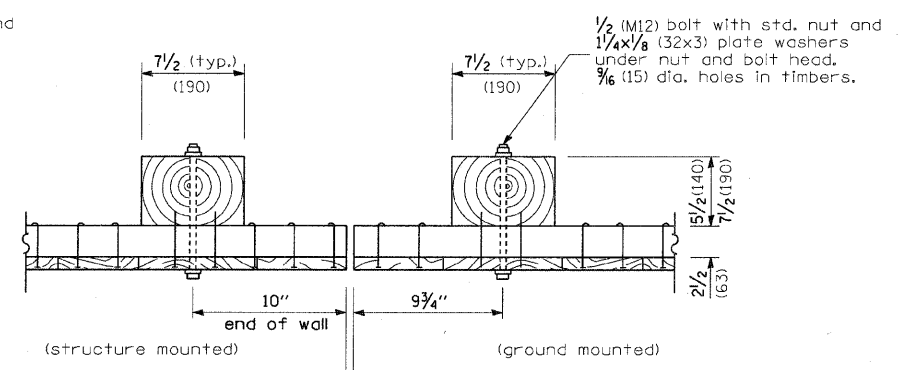
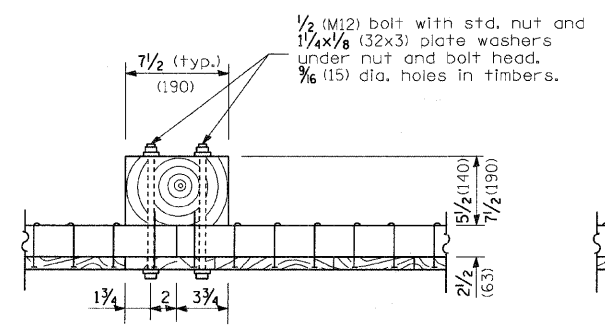
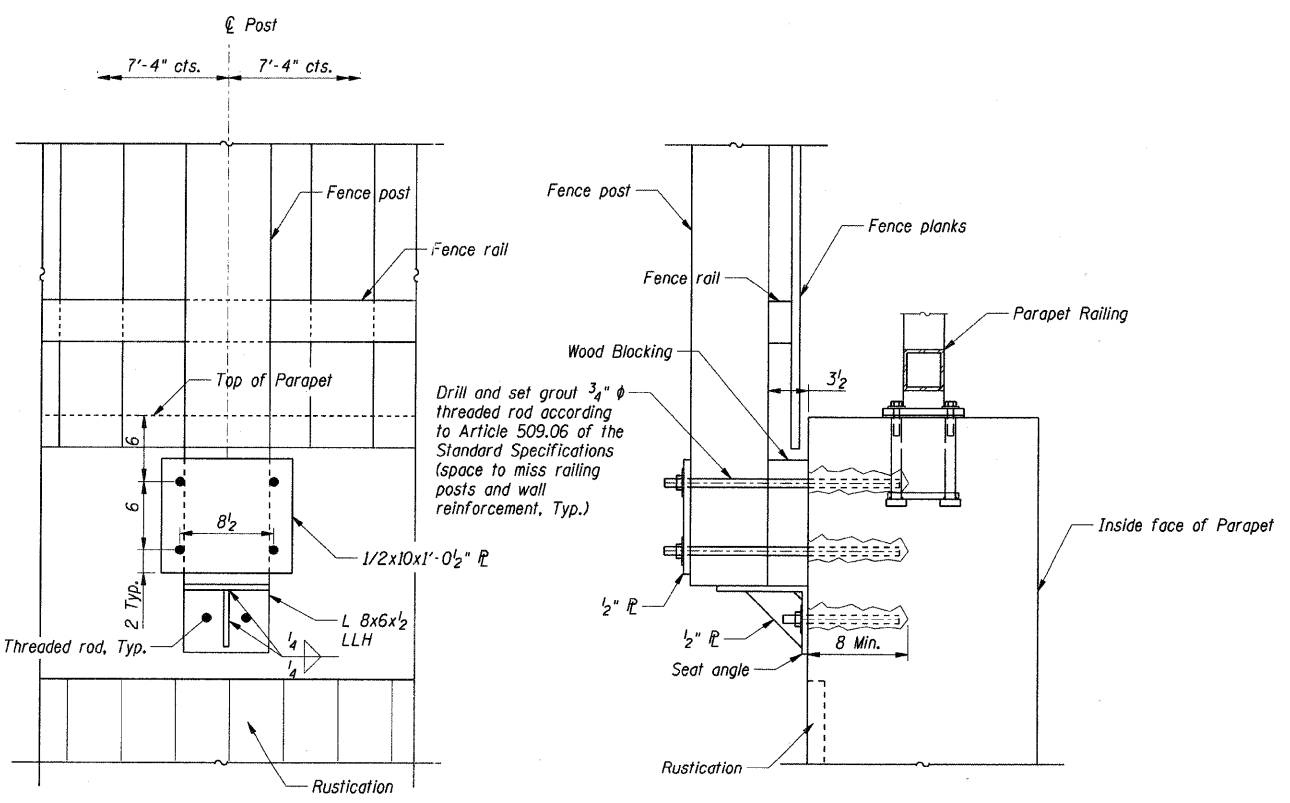
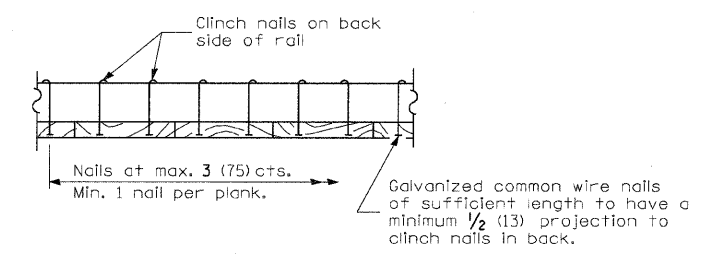
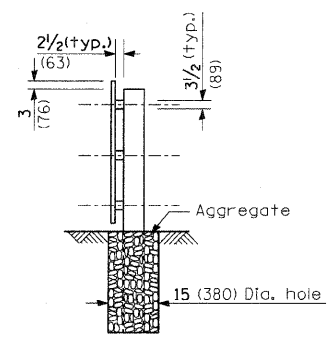
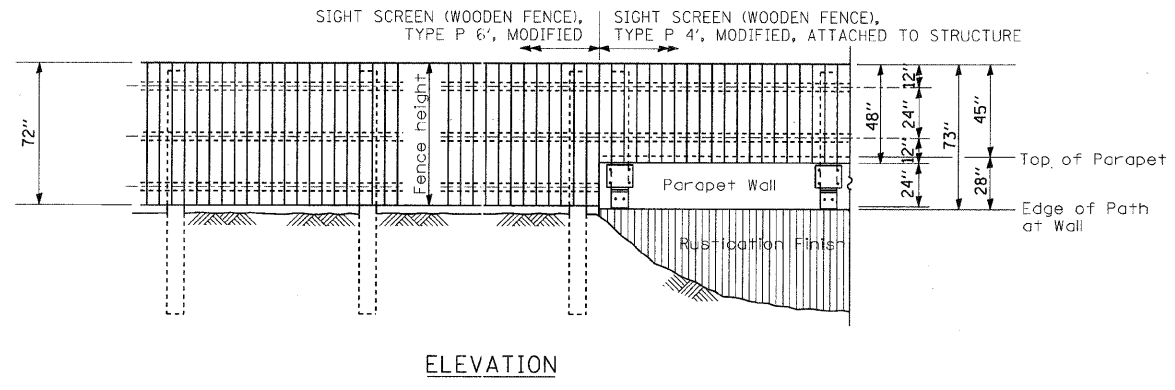
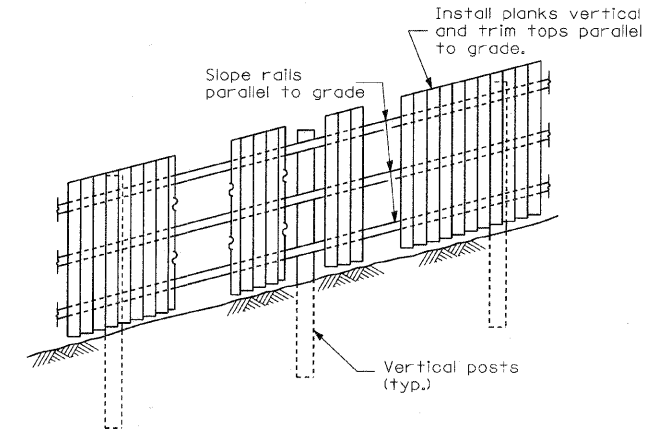
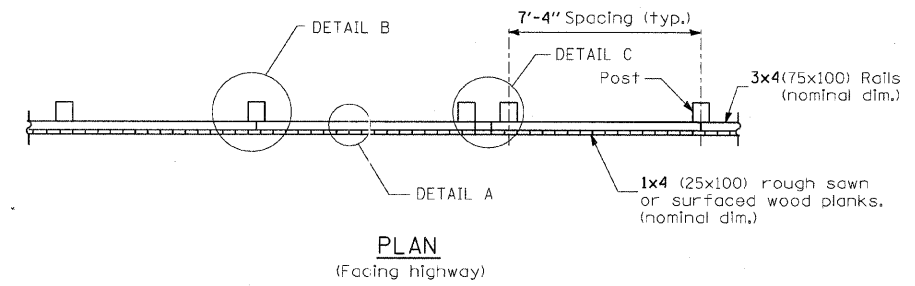
**PARAPET RAILING DETAILS**

SCALE: \_\_\_\_\_ DRAWN BY: MKD  
DATE: 08/17/09 CHECKED BY: TCG

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/658-0000

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	FENCE HEIGHT	
	6'-0" (1.8 m)	8'-0" (2.4 m)
Post Size (nominal dim.)	6x8 (150x200)	8x8 (200x200)
Post Length	10'-0" (3.0 m)	14'-0" (4.3 m)
Post Embedment	4'-0" (1.2 m)	6'-0" (1.8 m)
A	15 (380)	18 (460)
B	24 (600)	33 (870)
C	24 (600)	33 (870)
D	12 (300)	15 (380)



**GENERAL NOTES**  
 Loading was based on 80 mph (130 km/h) with 30% gust factor. Minimum allowable soil pressure = 1.25 tsf (120 kPa).  
 All threaded rods shall be installed with heavy hex nuts and lock washers.  
 All dimensions are in inches (millimeters) unless otherwise shown.  
 All plates, angles, rods, bolts, nuts, and washers for post attachment to parapet are to be galvanized.  
 All plates, angles, rods, bolts, nuts, and washers for post attachment to parapet are to be included in the Item "Sight Screen (Wooden Fence) Type P 4', Modified, Attached to Structure."

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085

**SIGHT SCREEN FENCE DETAILS**

SCALE: N.T.S. DRAWN BY: RJS  
 DATE: 12/01/09 CHECKED BY: MCD

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 205 N. WICHITAN AVE., CHICAGO, IL 60601  
 TELEPHONE: 312/616-0000

STANKIRJ  
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 11-30-2009 9:24:57  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

**STRUCTURE FOUNDATION BORING LOG**

O'Brien & Associates, Inc. CONSULTING ENGINEERS  
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005  
(847)398-1441 • FAX(847) 398-2376

Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600  
Job No: 10-91-374-00 Date: Dec. 7, 2006  
County: McHenry Bored By: RJ  
Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-23 Station: 92+75 Offset: 17' Right Ground Surface Elevation: 933.6

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.: <i>n/a</i>		DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)
				Before	After				
0	8					0	8		
1	7					1	14		
2	6	NP	4			2	6	NP	3
3	3					3	8		
4	4					4	10		
5	4	1.0P	12			5	14	NP	6
6	1					6	8		
7	2					7	12		
8	3	1.5P	13			8	9	NP	5
9	2					9	4		
10	3	1.0P	12			10	9	NP	12
11	1					11	3		
12	1	0.5P	24			12	3		
13	2					13	4	2.7B	17
14	3					14	3		
15	2	1.25P	17			15	4	1.8B	32
16	1					16	2		
17	1	0.5P	18			17	4	3.5B	24
18	1					18	2		
19	1	0.75P	19			19	2		
20	1					20	4	1.5B	31
21	2					21	3		
22	3					22	7		
23	3	1.0P	12			23	4	3.75P	13
24	2					24	7		
25	2					25	6	4.0P	9
26	2					26	6		
27	4	NP	17			27	6		
28	4					28	6		
29	4					29	6		
30	4					30	6		

12.0" ASPHALT  
24.0" SAND & GRAVEL-medium dense

SANDY LOAM-brown-loose (A-4)  
Apparent Fill

CLAY LOAM-black-medium stiff (A-6)

CLAY LOAM-brown-medium stiff to stiff (A-6)

SANDY LOAM-brown-loose (A-4)

End of Boring @ -25.0'  
Hollow Stem Augers  
CME Automatic Hammer

**STRUCTURE FOUNDATION BORING LOG**

O'Brien & Associates, Inc. CONSULTING ENGINEERS  
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005  
(847)398-1441 • FAX(847) 398-2376

Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600  
Job No: 10-91-374-00 Date: Dec. 7, 2006  
County: McHenry Bored By: RH  
Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-24 Station: 93+50 Offset: 18' Right Ground Surface Elevation: 934.3

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.: <i>n/a</i>		DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)
				Before	After				
0	8					0	8		
1	14					1	14		
2	6	NP	3			2	6	NP	3
3	8					3	8		
4	10					4	10		
5	14	NP	6			5	14	NP	6
6	8					6	8		
7	12					7	12		
8	9	NP	5			8	9	NP	5
9	4					9	4		
10	9	NP	12			10	9	NP	12
11	3					11	3		
12	3					12	3		
13	4	2.7B	17			13	4	2.7B	17
14	3					14	3		
15	4	1.8B	32			15	4	1.8B	32
16	2					16	2		
17	4	3.5B	24			17	4	3.5B	24
18	2					18	2		
19	2					19	2		
20	4	1.5B	31			20	4	1.5B	31
21	3					21	3		
22	7					22	7		
23	4	3.75P	13			23	4	3.75P	13
24	7					24	7		
25	6					25	6		
26	6					26	6		
27	6					27	6		
28	6					28	6		
29	6					29	6		
30	6					30	6		

12.0" ASPHALT

SAND & GRAVEL-brown-medium dense (A-1)

SANDY LOAM-brown-medium dense (A-4)

CLAY-brown & gray-stiff to very stiff (A-6)

SANDY LOAM to LOAM-brown & gray-medium dense (A-4)

End of Boring @ -25.0'  
Hollow Stem Augers  
CME Automatic Hammer

**STRUCTURE FOUNDATION BORING LOG**

O'Brien & Associates, Inc. CONSULTING ENGINEERS  
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005  
(847)398-1441 • FAX(847) 398-2376

Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600  
Job No: 10-91-374-00 Date: Dec. 7, 2006  
County: McHenry Bored By: RH  
Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-25 Station: 94+25 Offset: 18' Right Ground Surface Elevation: 935.0

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.: <i>n/a</i>		DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)
				Before	After				
0	10					0	10		
1	12					1	12		
2	14	NP	4			2	14	NP	4
3	14					3	14		
4	24					4	24		
5	20	NP	6			5	20	NP	6
6	7					6	7		
7	5					7	5		
8	5	NP	10			8	5	NP	10
9	3					9	3		
10	3	1.5P	8			10	3	1.5P	8
11	2					11	2		
12	2	2.0P	16			12	2	2.0P	16
13	4					13	4		
14	4					14	4		
15	4	NP	8			15	4	NP	8
16	3					16	3		
17	7					17	7		
18	7	1.75P	9			18	7	1.75P	9
19	4					19	4		
20	7					20	7		
21	8	1.75P	9			21	8	1.75P	9
22	7					22	7		
23	8					23	8		
24	7	NP	5			24	7	NP	5
25	7					25	7		
26	7					26	7		
27	10	NP	4			27	10	NP	4
28	10					28	10		
29	10					29	10		
30	10					30	10		

12.0" ASPHALT

SAND & GRAVEL-brown-medium dense to dense (A-1)

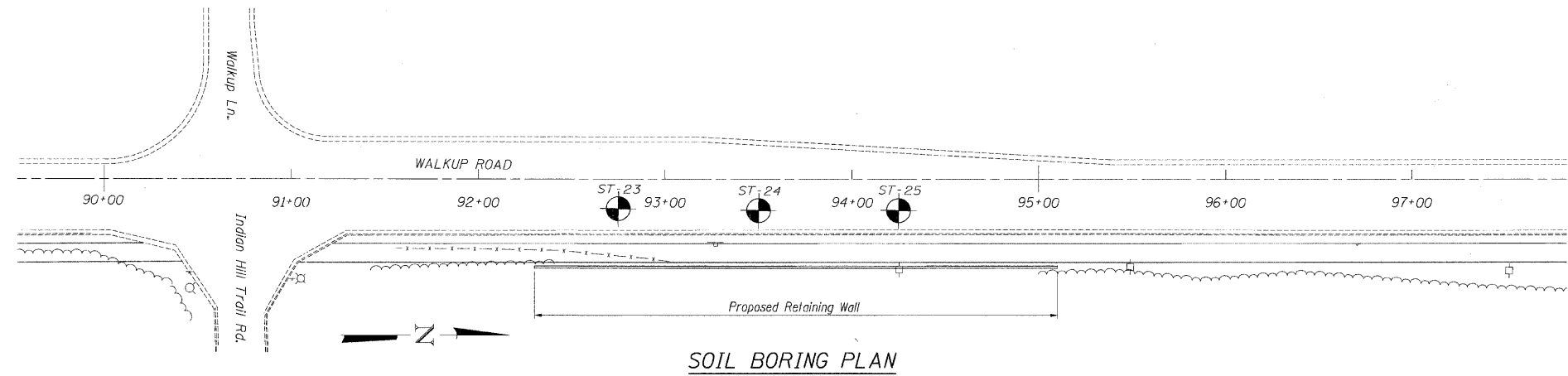
SANDY LOAM-brown-loose to medium dense (A-4)

End of Boring @ -25.0'  
Hollow Stem Augers  
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in *italics above moist (%)*  
NR-No Recovery

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in *italics above moist (%)*  
NR-No Recovery

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in *italics above moist (%)*  
NR-No Recovery



SHT. SB-7

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085  
SECTION 00-00246-01-FP  
STATION 92+30.00 TO 95+10.00  
RETAINING WALL  
**SOIL BORING LOGS**

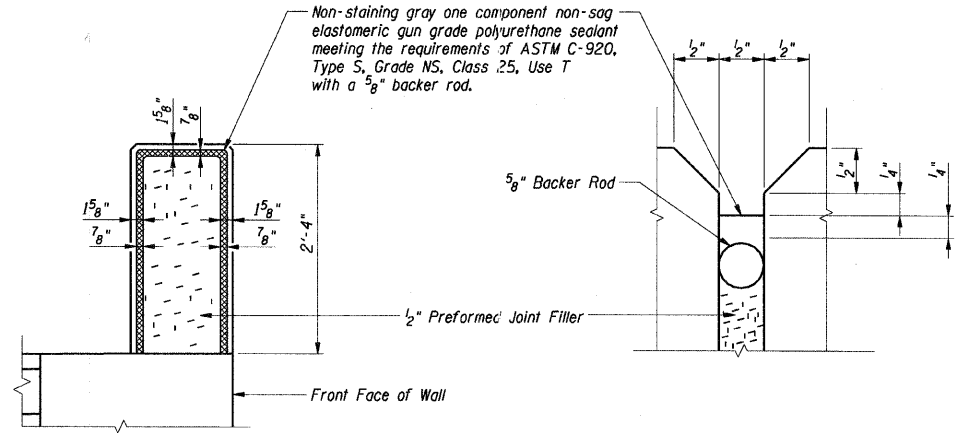
SCALE: \_\_\_\_\_ DRAWN BY: MDB  
DATE: 08/17/09 CHECKED BY: \_\_\_\_\_

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/618-0000

S:\11\B0070F.DGN, \N01.0020-DGN, T:\DOCUMENT\510003.STRUCT.DGN, 901.0020-DGN, 8-14-2009, 15:02:53

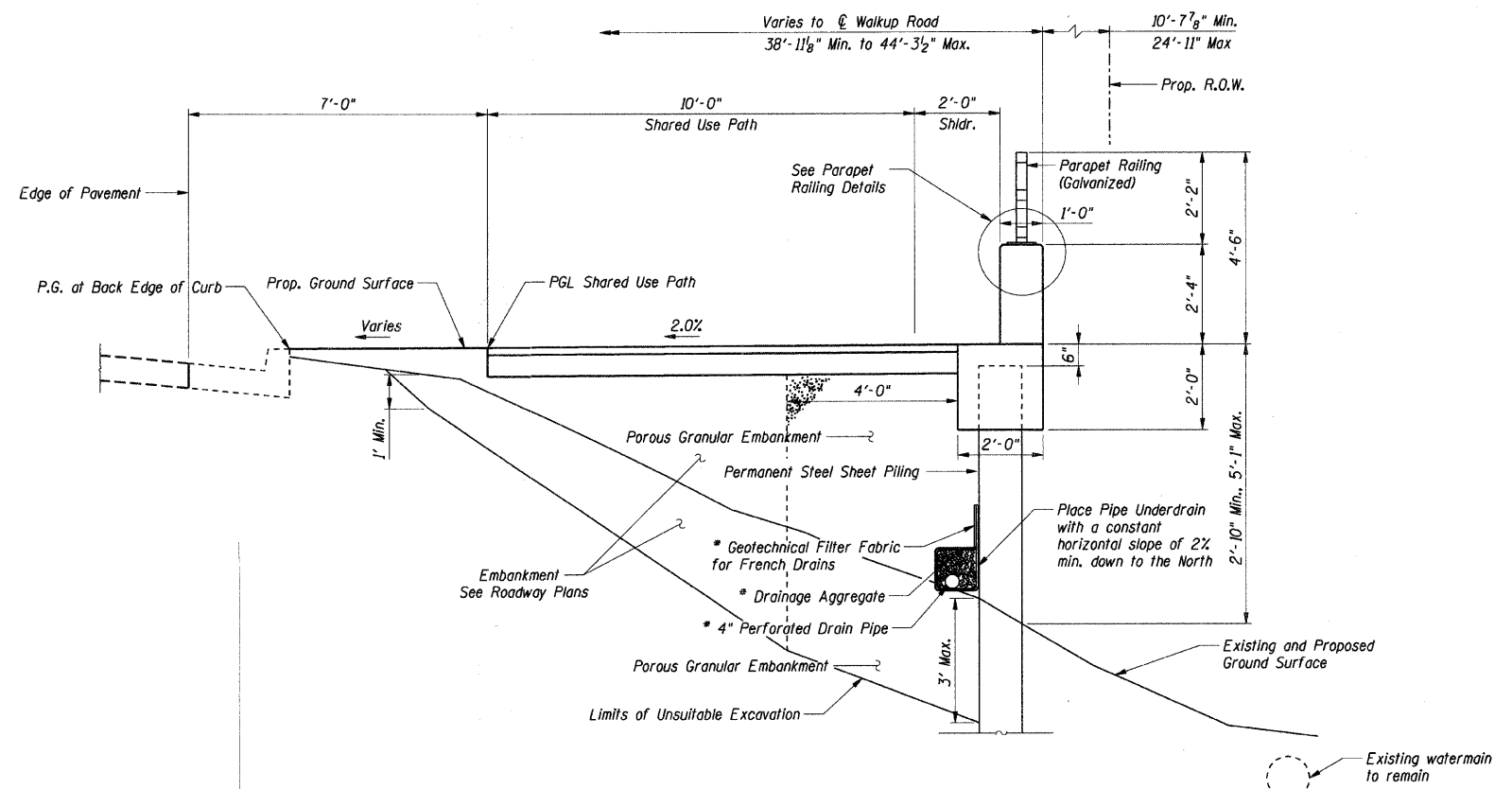


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	162
STA. 109+80.00 TO STA. 112+00.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

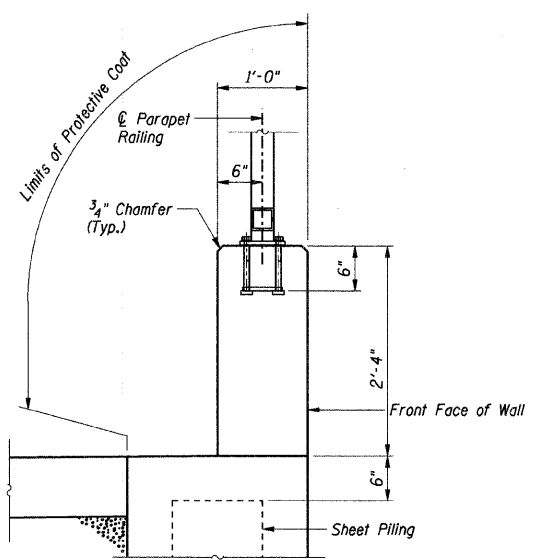


**EXPANSION JOINT DETAIL AT PARAPET**

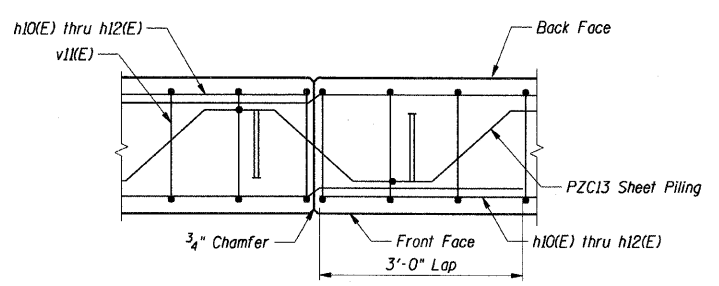
Cost of Preformed Joint Filler, Backer Rod, and sealant included with Concrete Structures.



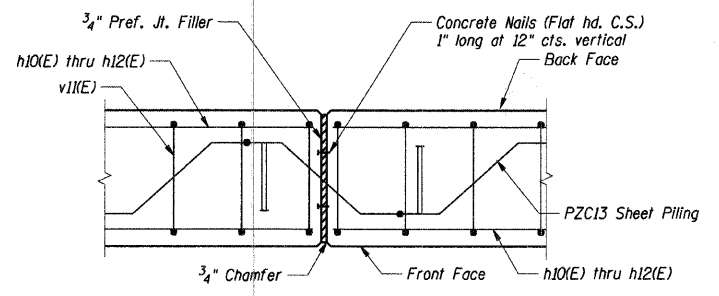
**TYPICAL SECTION**



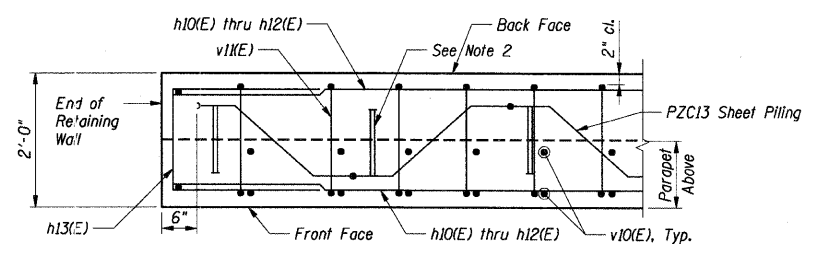
**PARAPET RAILING DETAIL**



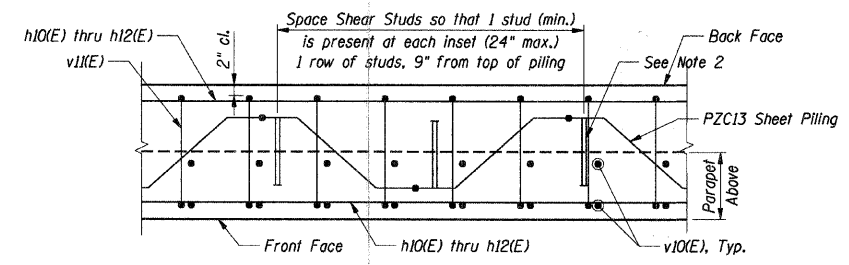
**CONSTRUCTION JOINT DETAILS**



**EXPANSION JOINT DETAILS**



**SECTION THRU END OF COPING**



**TYPICAL SECTION THRU COPING**

**NOTES:**

1. Work this sheet with sheets SD-1 thru SD-4
2. Shear Studs shall be 3/4" dia. x 12" Granular or Solid Flux Filled Headed Studs conforming to 505.08 of the Standard Specifications automatically end welded in the field to Sheet Piling.

**SHT. SD-2**

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085  
SECTION 00-00246-01-FP  
STATION 109+80.00 TO 112+00.00  
RETAINING WALL

**SECTIONS AND DETAILS**

SCALE: DATE: 12/01/09

DRAWN BY: TCG  
CHECKED BY: MJK

**TENG**

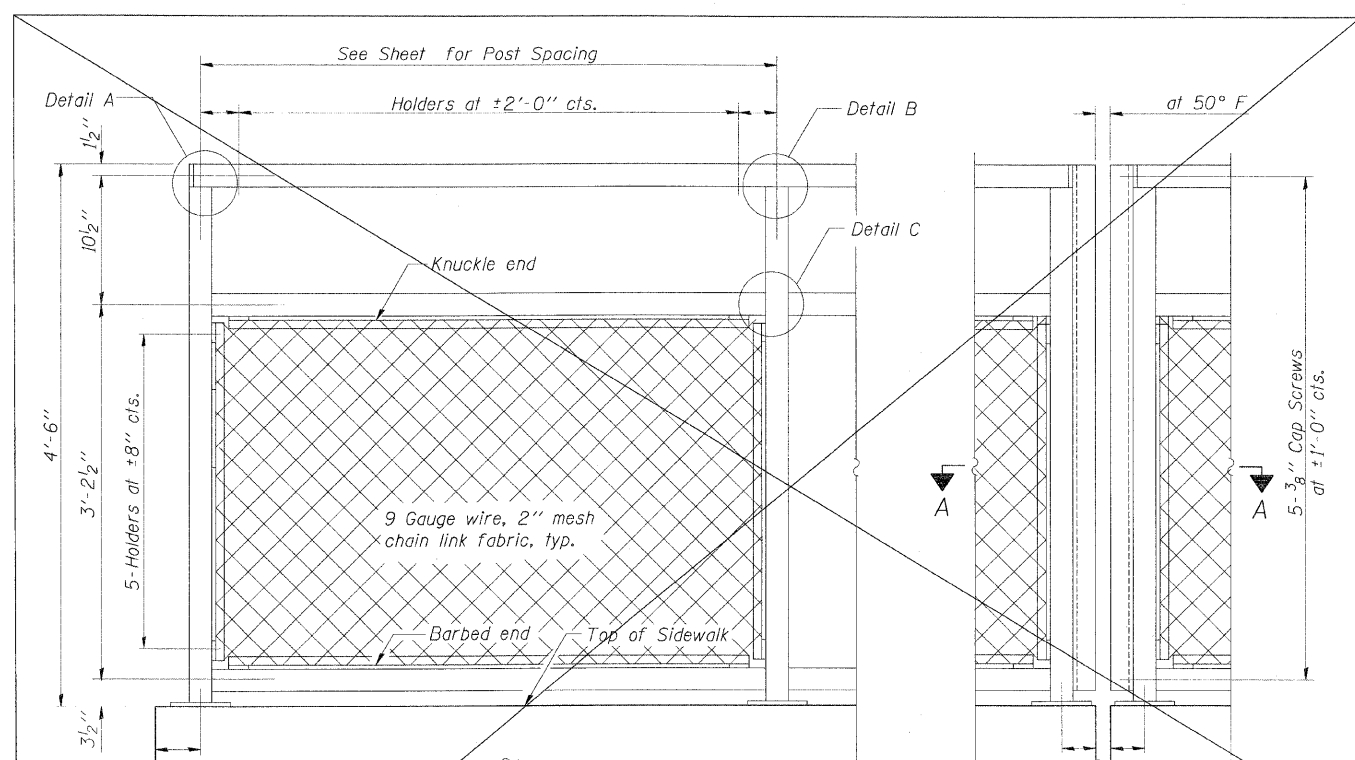
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312.616.0000

S:\AMR\1011\10110005\10110005.DWG  
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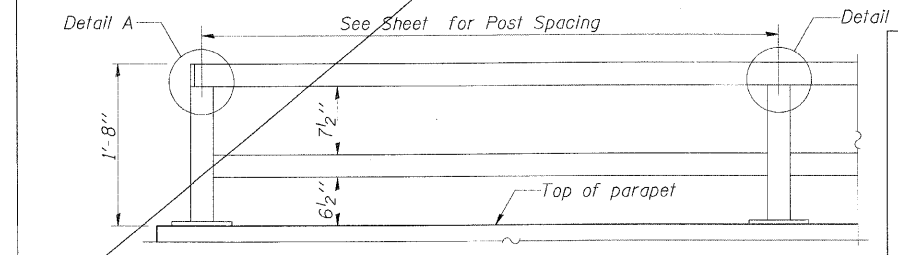


**NOTE:**  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

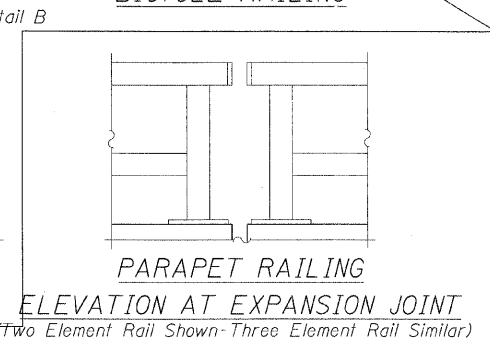


**BICYCLE RAILING**

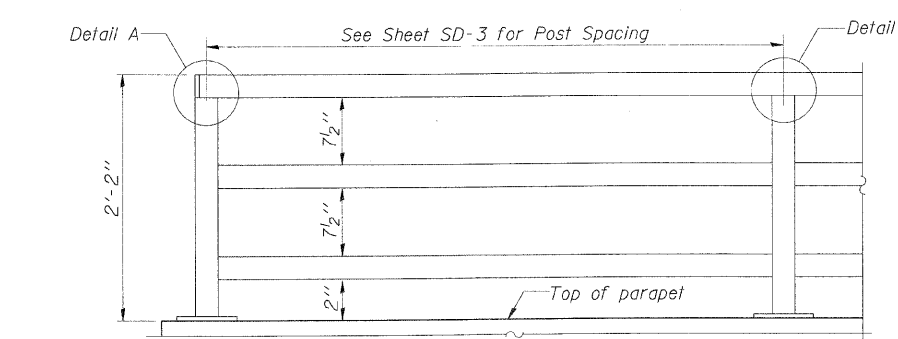
**BICYCLE RAILING**



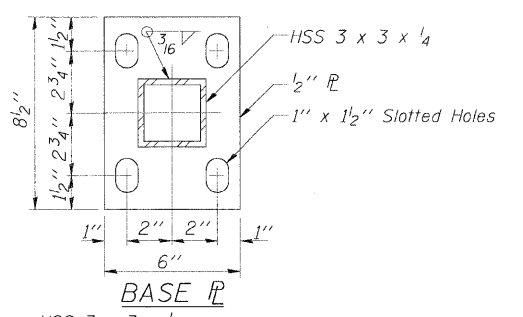
**PARAPET RAILING ELEVATION**  
(Inside Face of Two Element Rail)



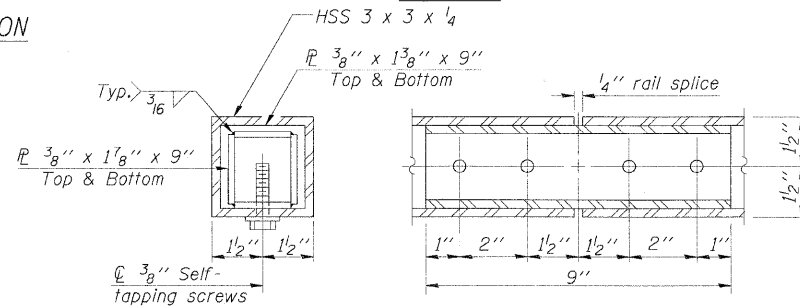
**PARAPET RAILING ELEVATION AT EXPANSION JOINT**  
(Two Element Rail Shown-Three Element Rail Similar)



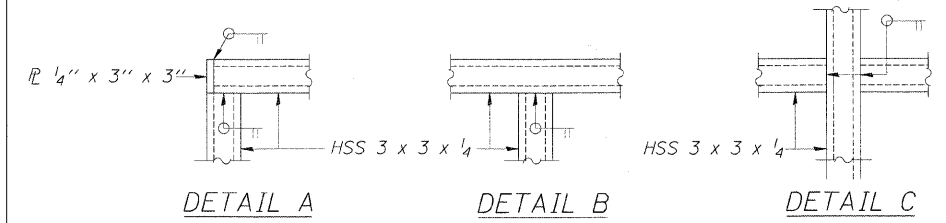
**PARAPET RAILING ELEVATION**  
(Inside Face of Three Element Rail)



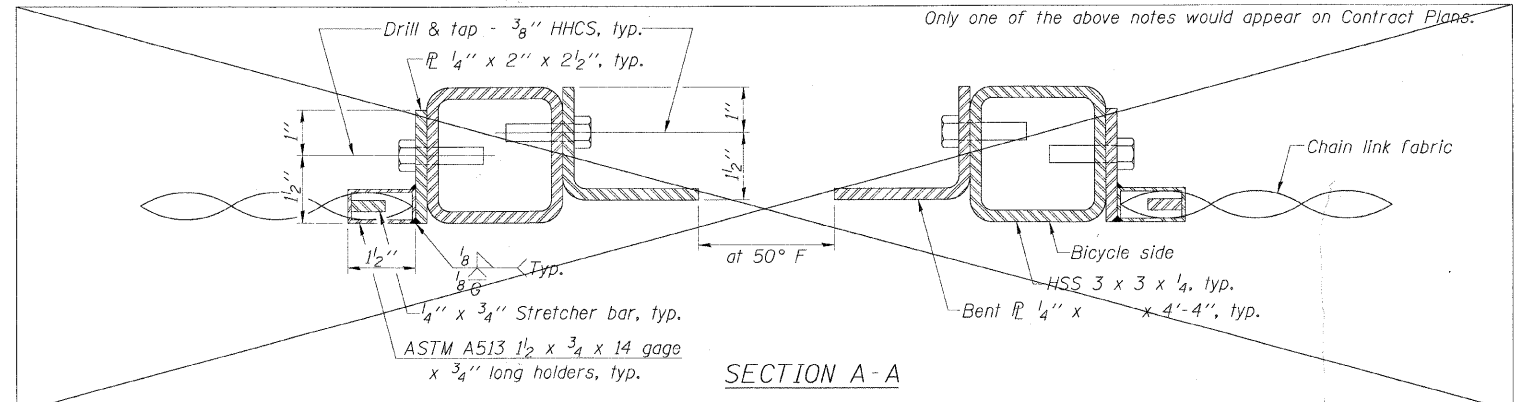
**BASE PLATE**



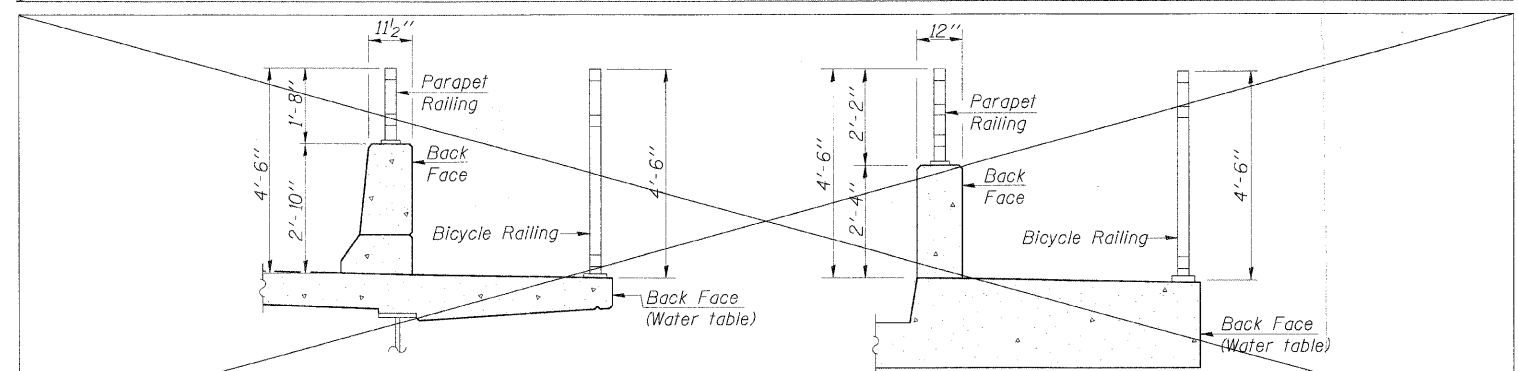
**RAIL SPLICE**



**DETAIL A**      **DETAIL B**      **DETAIL C**

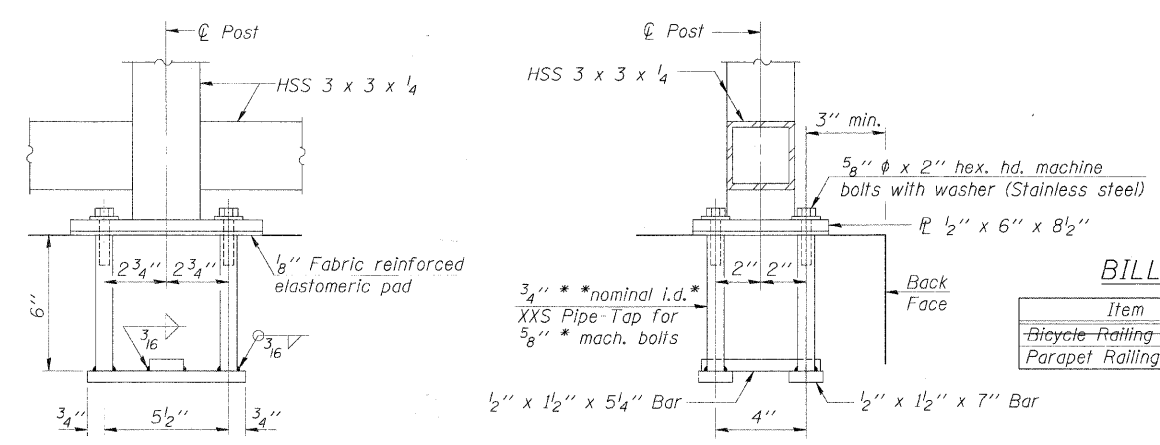


**SECTION A-A**



**SECTION THRU DECK**

**SECTION THRU SIDEWALK**



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing	Foot	
Parapet Railing	Foot	220

**SHT. SD-4**

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085  
SECTION 00-00246-01-FP  
STATION 109+80.00 TO 112+00.00  
RETAINING WALL

**PARAPET RAILING DETAILS**

SCALE:      DRAWN BY: TCG  
DATE: 08/17/09      CHECKED BY: MJK

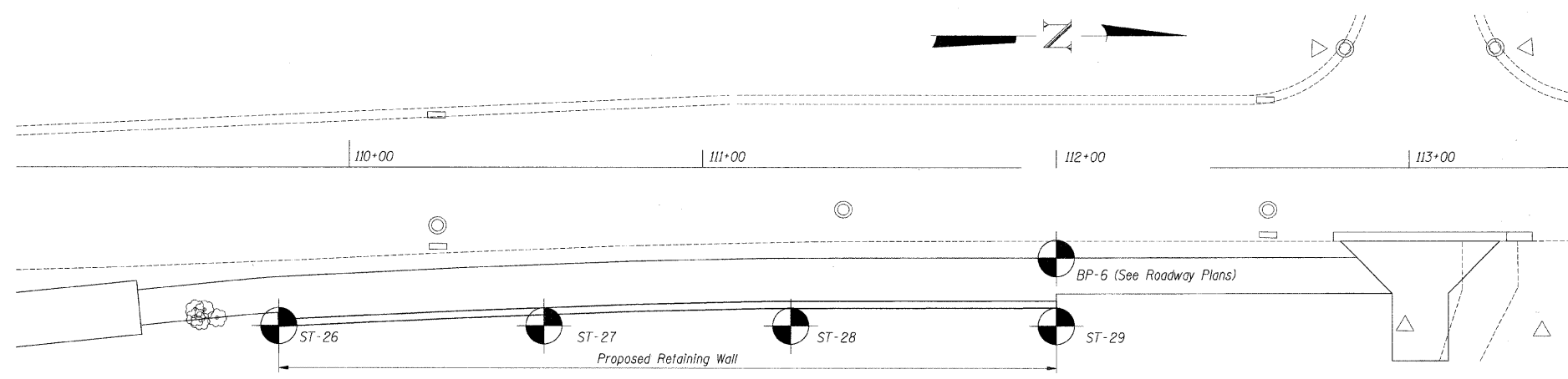
**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

STANKRU      T:\DOCUMENT\1810003\STRUCT\ADGN\VR000\_60.DGN      T:\BOOZOF.DGN 8-27-2009, 4:51:50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	165
STA. 9+80.00 TO STA. 12+00.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

NEEDS UPDATED

STANKIRJ  
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 8-14-2009, 15:03:50  
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SOIL BORING PLAN

SHT. SD-5

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085  
 SECTION 00-00246-01-FP  
 STATION 9+80.00 TO 12+00.00  
 RETAINING WALL

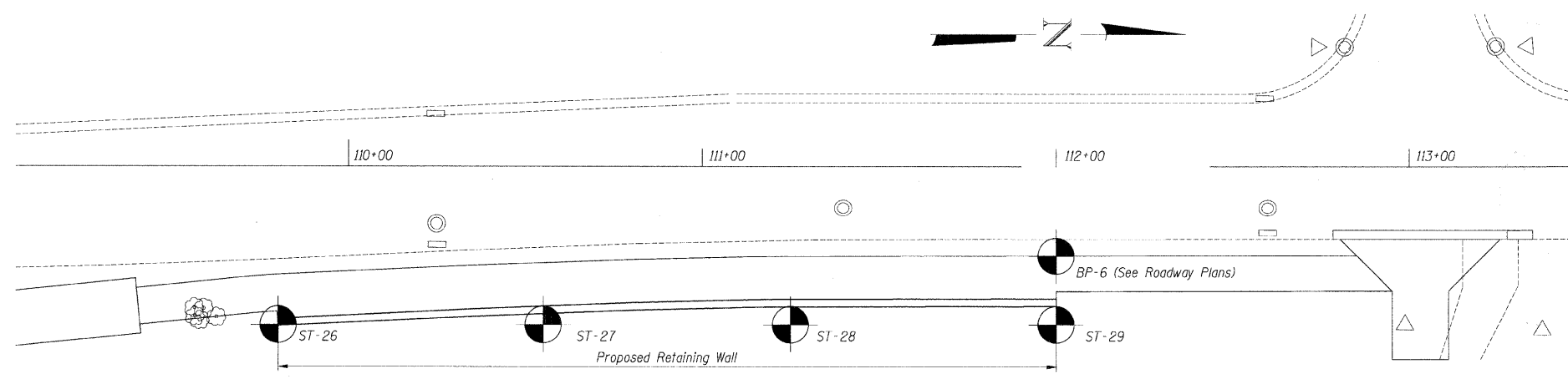
**SOIL BORING LOGS I**

SCALE: \_\_\_\_\_ DRAWN BY: TCG  
 DATE: 08/17/09 CHECKED BY: \_\_\_\_\_

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 305 N. MICHIGAN AVE., CHICAGO, IL 60601  
 TELEPHONE: 312/616-0000

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	166
STA. 9+80.00 TO STA. 12+00.00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO: 63266				

NEEDS UPDATED



SOIL BORING PLAN

SHT. SD-6

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085  
SECTION 00-00246-01-FP  
STATION 9+80.00 TO 12+00.00  
RETAINING WALL

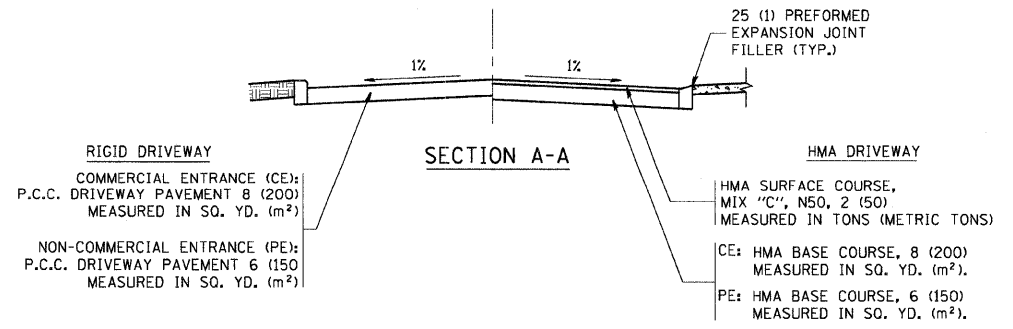
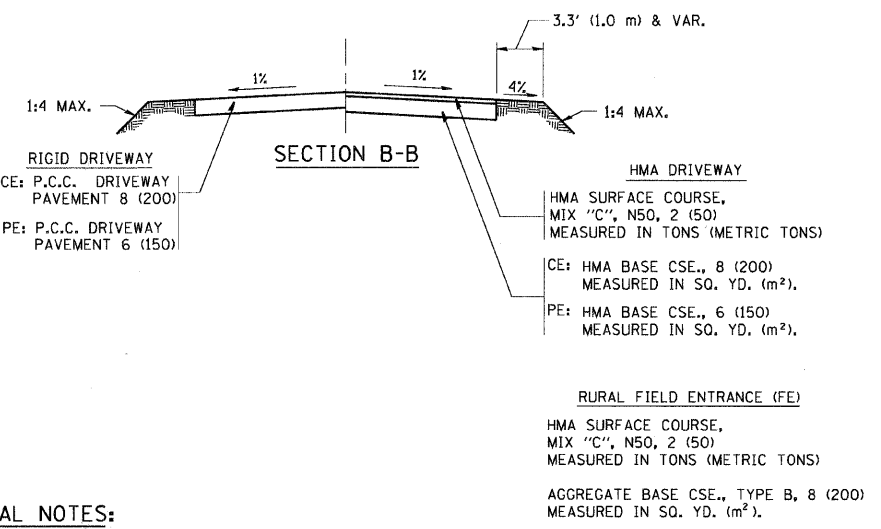
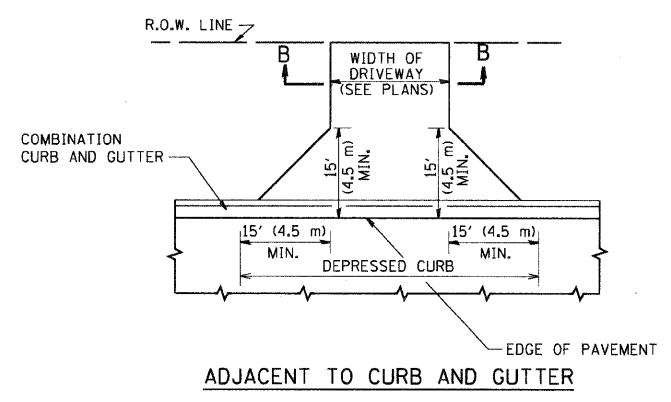
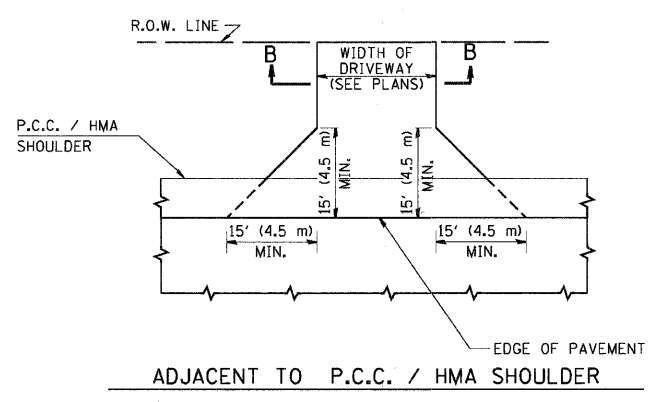
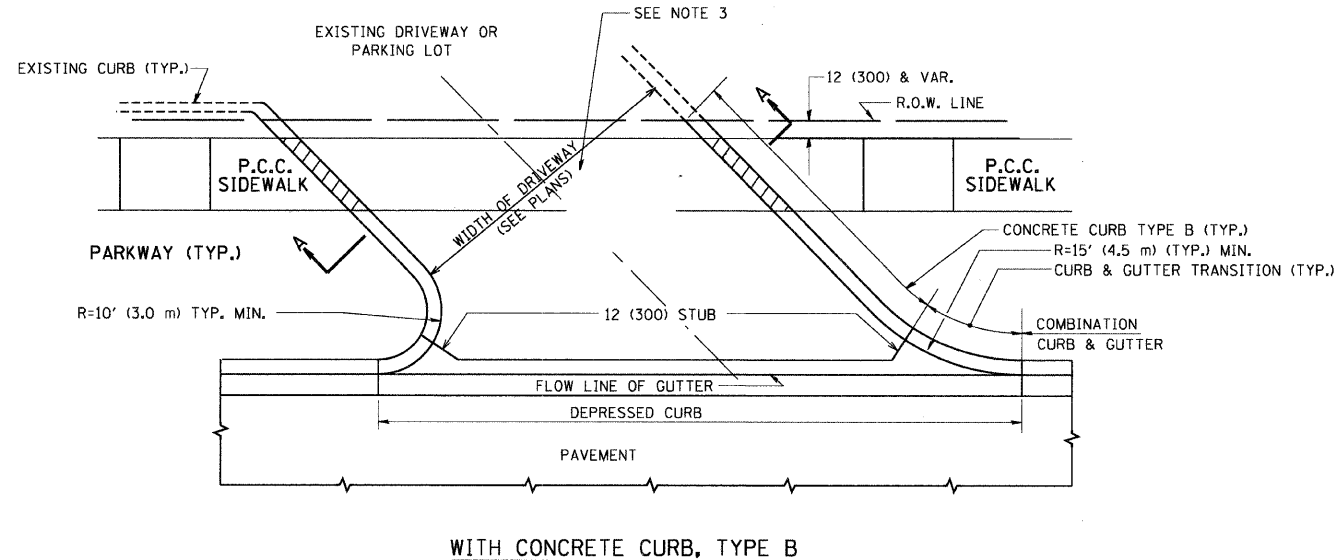
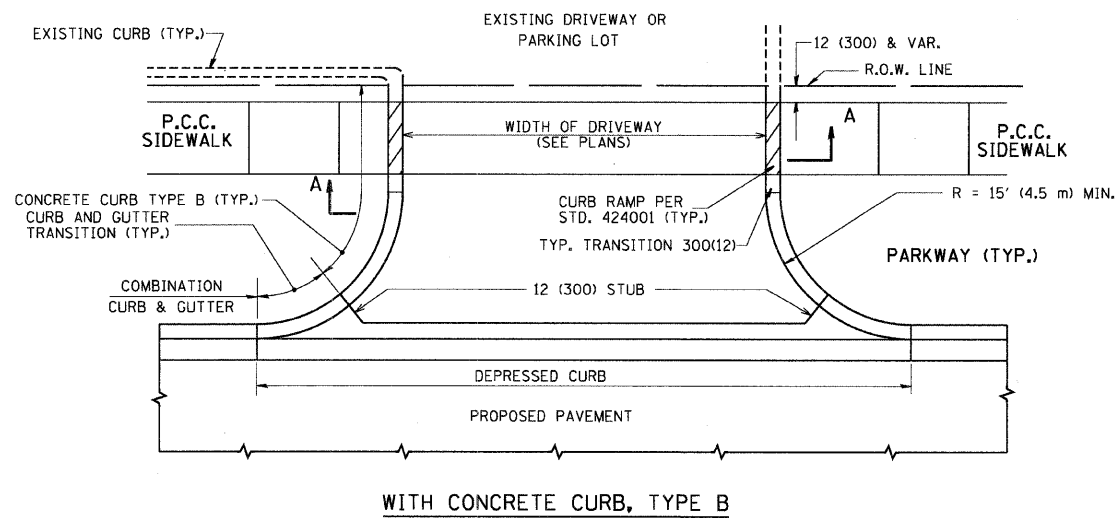
**SOIL BORING LOGS II**

SCALE: \_\_\_\_\_ DRAWN BY: TCG  
DATE: 08/17/09 CHECKED BY: \_\_\_\_\_

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

ATTB0020F.DGN, A:\PE00\_5-DGN, \AL1001\5-DGN, \R0000\F5.DGN, \TFP0009\F1.DGN, \DOCUMENT\9310003\STRUCT\DCN\B01.D0, 66.DGN  
8-14-2009, 15:03:59 STANKRJ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	167
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



**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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

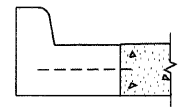
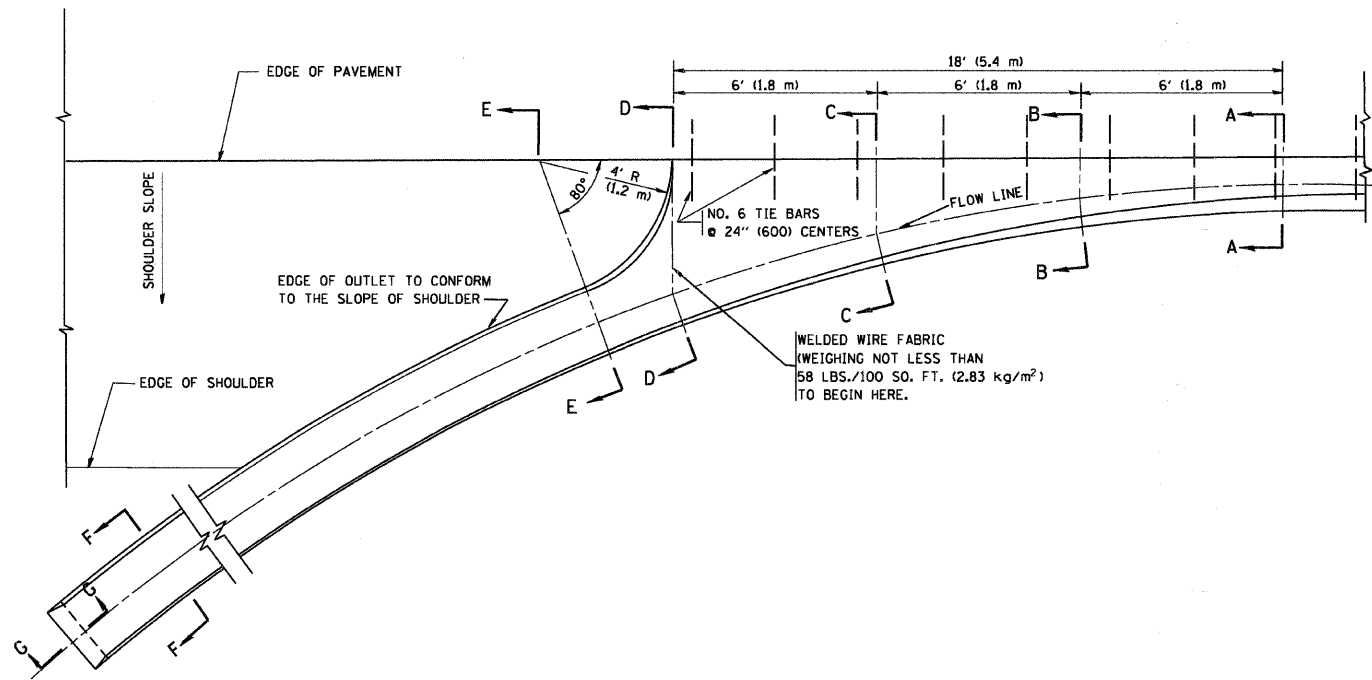
REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LOFLEUR	04-15-03
R. BORO	01-01-07
R. BORO	06-11-08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DRIVEWAY DETAILS**  
DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: VERT. NONE  
HORIZ.  
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CHECKED BY

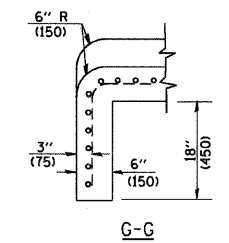
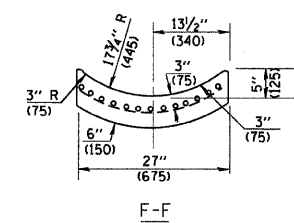
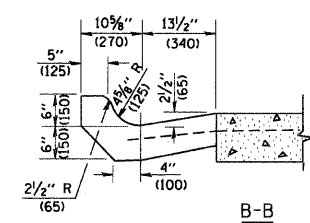
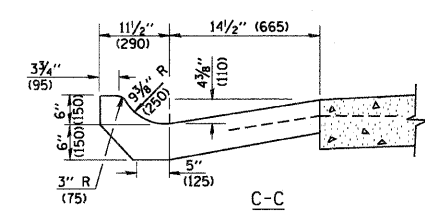
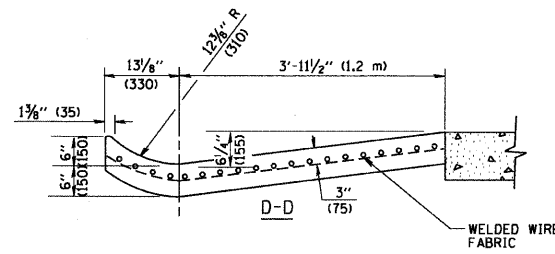
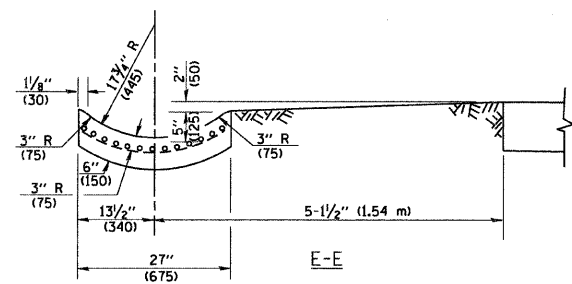
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	168
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



A-A \*

\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



**GENERAL NOTES**

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**QUANTITIES**

FOR SECTION A-A TO E-E AND CURTAIN WALL =  
 1.25 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.  
 1.27 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.  
 FOR SECTION F-F =  
 0.045 CU. YDS. (0.03 m<sup>3</sup>) CLASS SI CONCRETE PER FT. (m).

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

REVISIONS	
NAME	DATE
M. DE YONG	8/4/86
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	12/21/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

**OUTLET FOR CONCRETE CURB AND GUTTER**

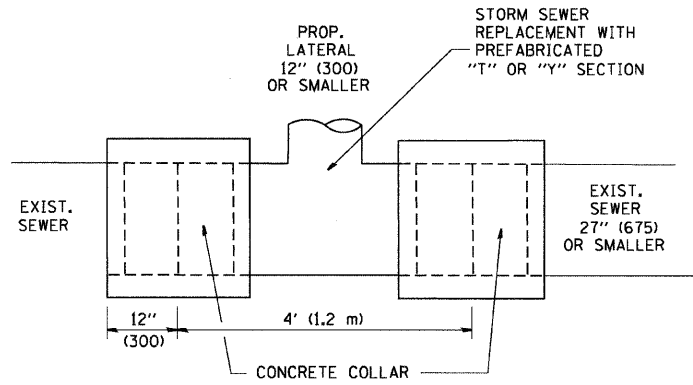
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 HORIZ.

DRAWN BY

CHECKED BY

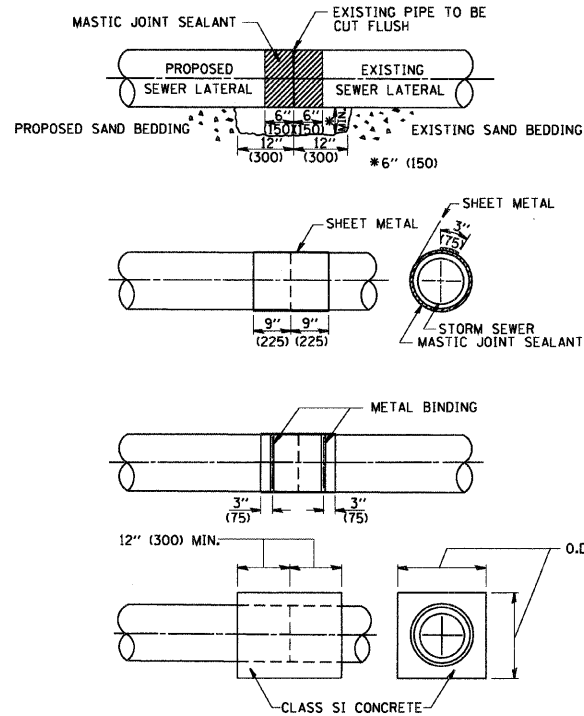
BD600-01 (BD-03)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	169
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DETAIL "A"

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

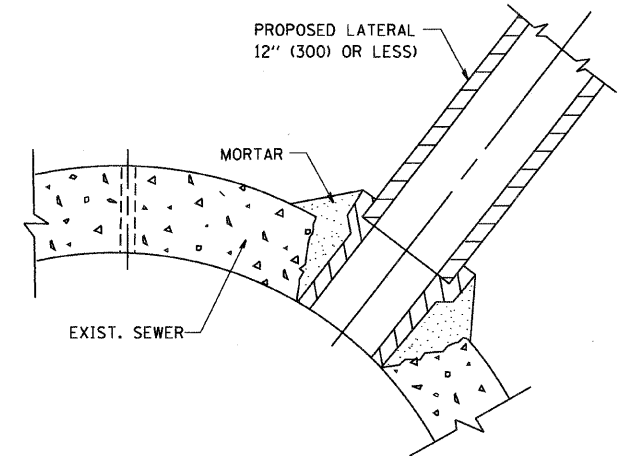


DETAIL "B"

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 (0.0418) 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 OZZES OUT FROM 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.

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

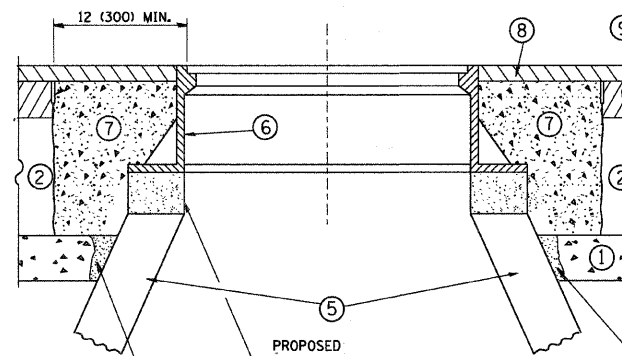
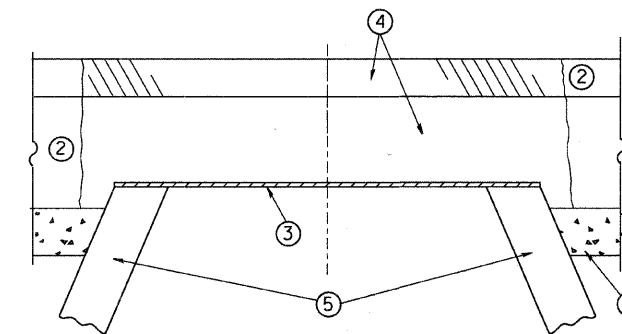
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HORIZ.

DRAWN BY

CHECKED BY

BD500-01 (BD-7)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	170
STA.		TO STA.		
FED. ROAD DIST. NO. 1		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 SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

**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 SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- 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:** THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

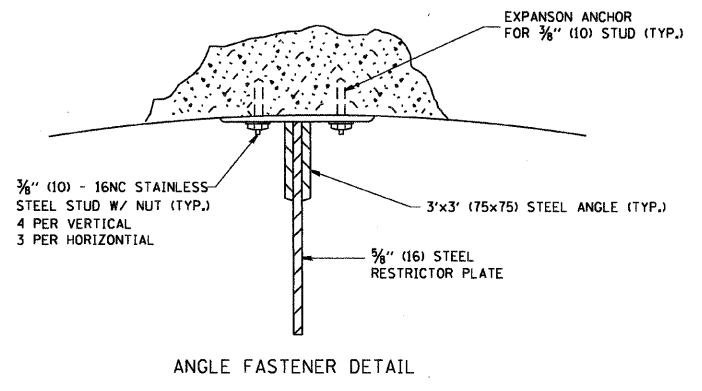
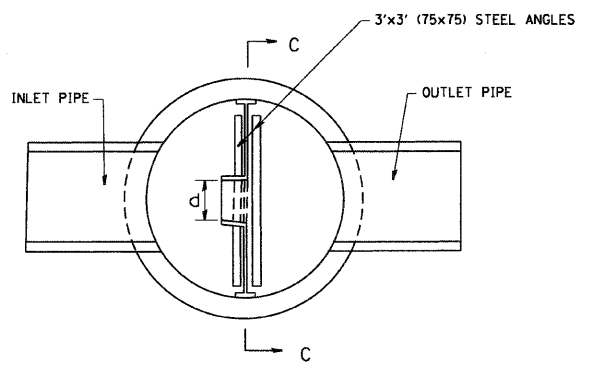
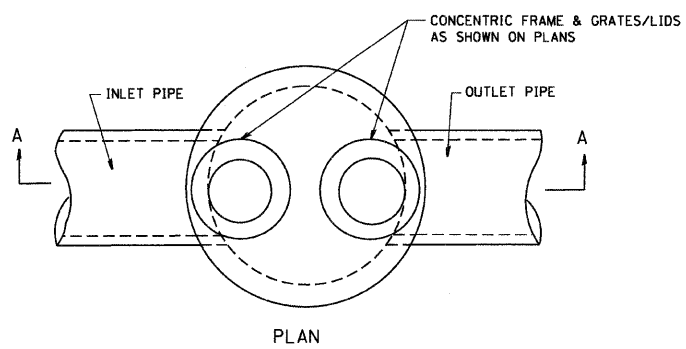
**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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HORIZ.

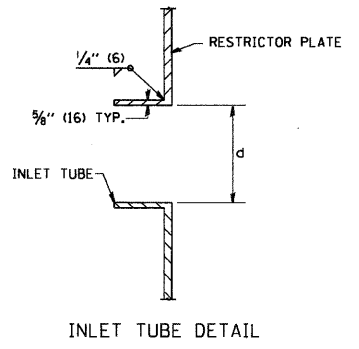
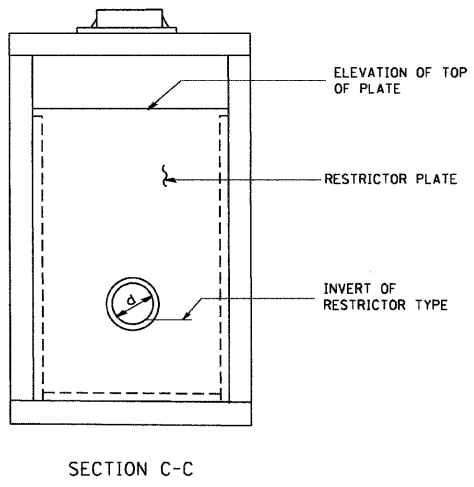
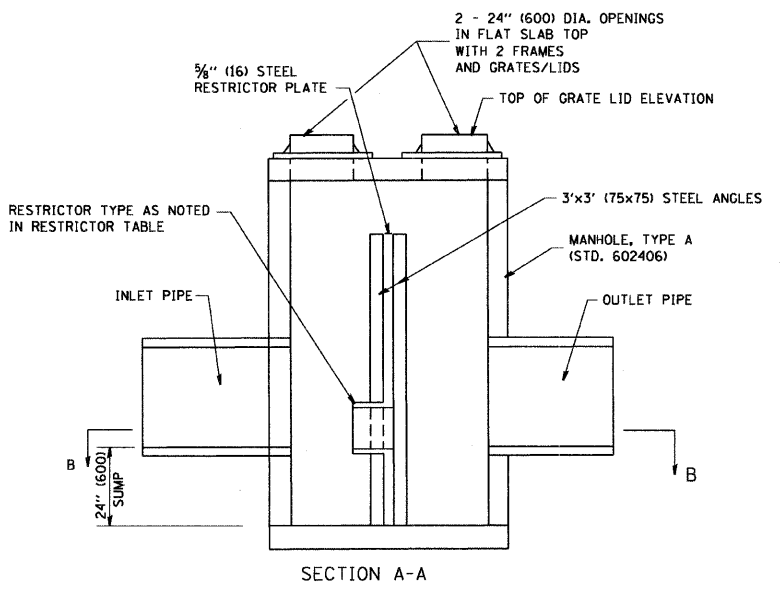
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BD600-03 (BD-8)

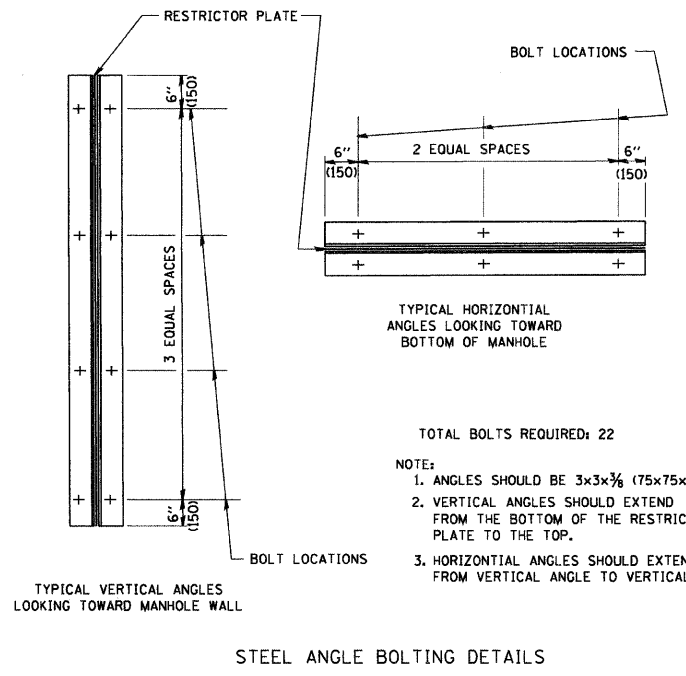
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	171
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



- 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, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
  2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
  3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

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. C=.52	C=.61	STREAM CLEARS SIDES C=.61	LENGTH: 2-1/2 DIA. C=.73	LENGTH: 2-1/2 DIA. C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	08/28/00
M. GOMEZ	01/08/01

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MANHOLE WITH RESTRICTOR PLATE**

SCALE: VERT. NONE  
HORIZ.

DRAWN BY  
CHECKED BY

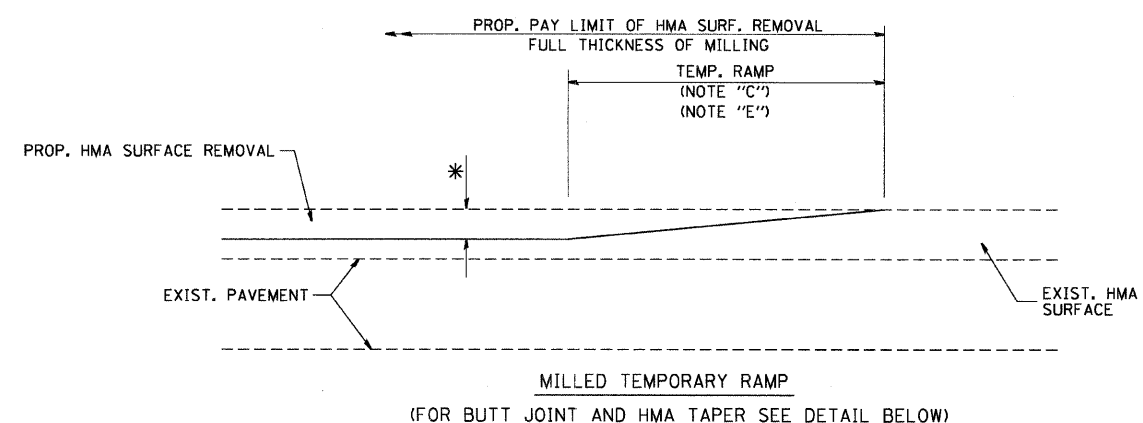
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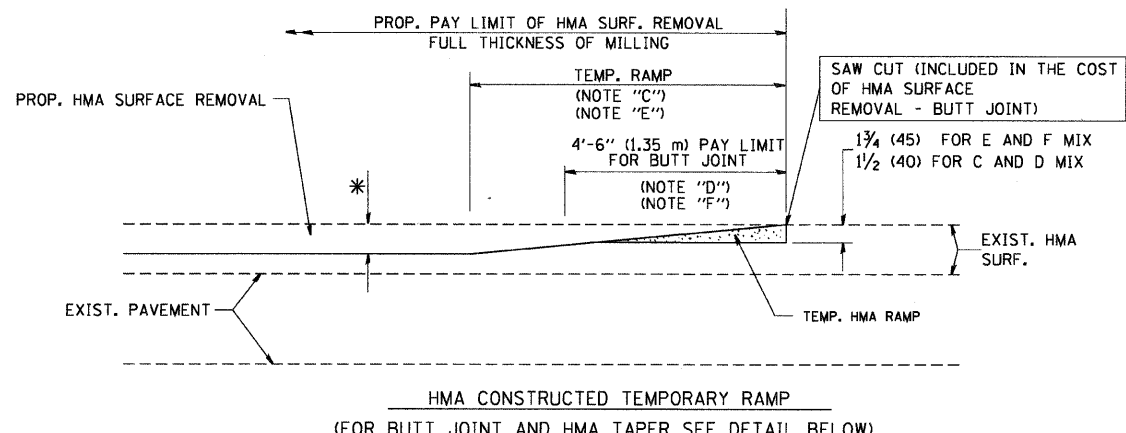




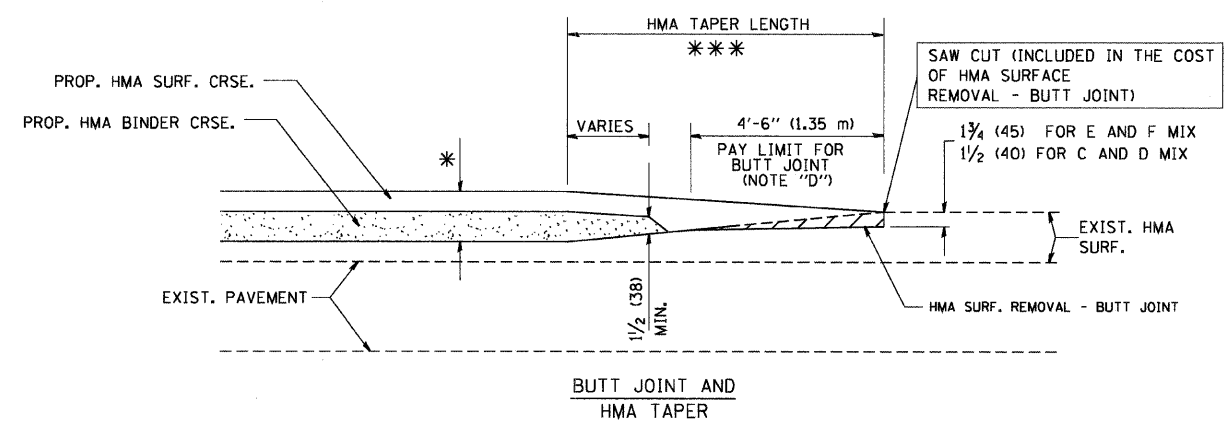
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	173
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



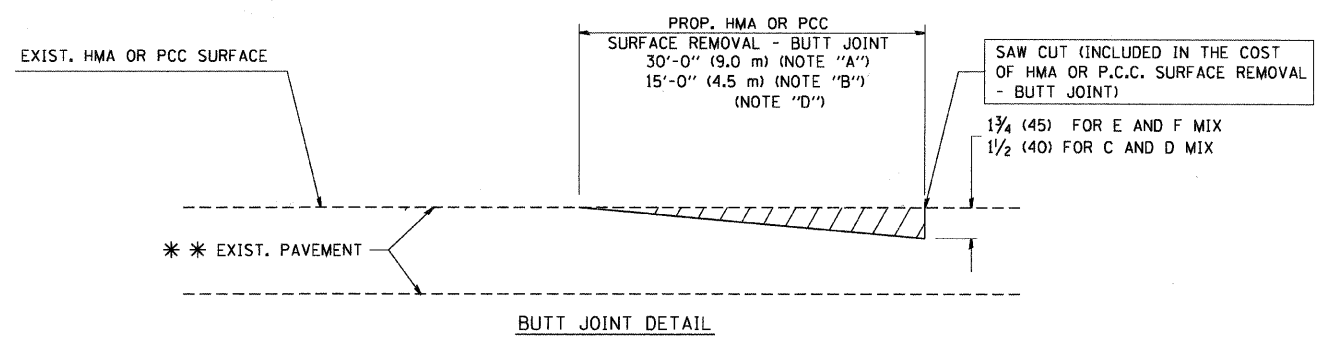
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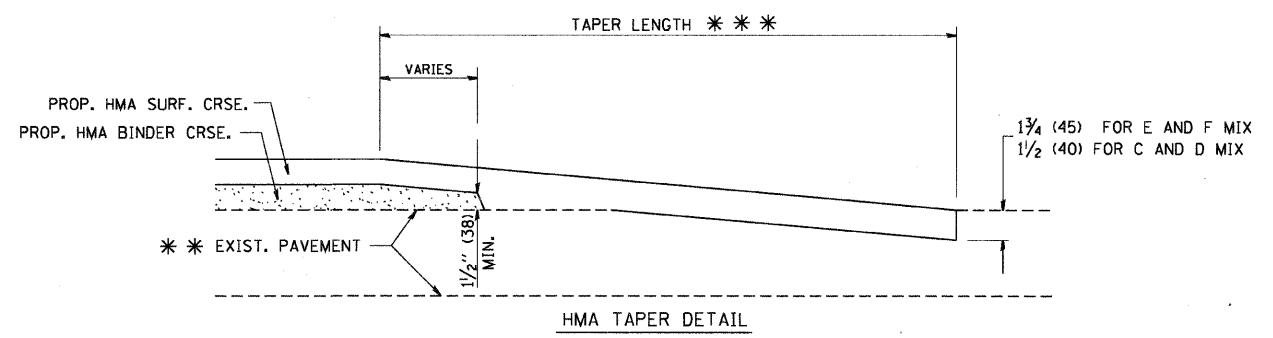
OPTION 2  
TYPICAL TEMPORARY RAMP



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")

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

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".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

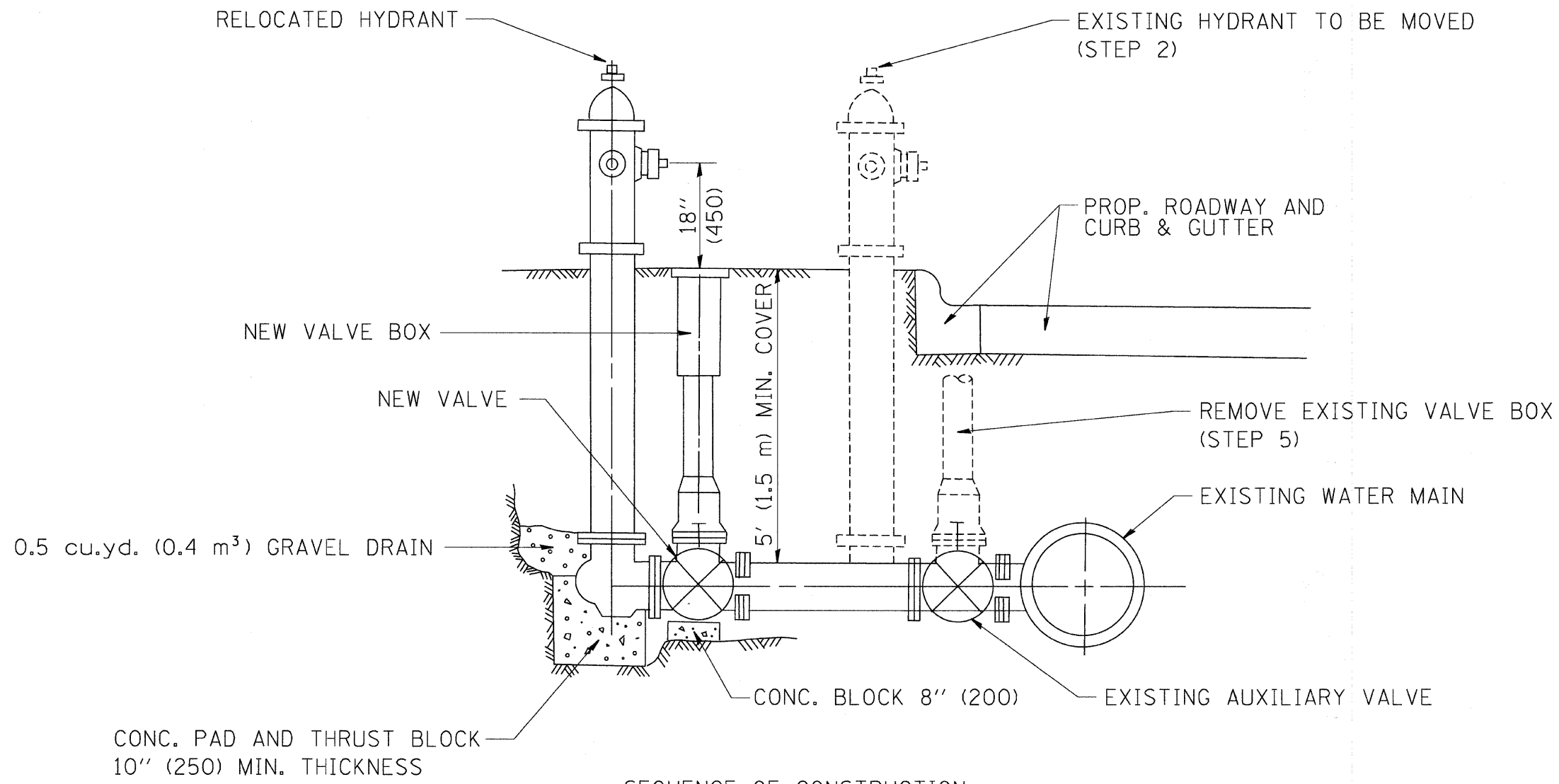
BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE  
HORIZ. NONE

DRAWN BY  
CHECKED BY  
BD400-05 (VI-BD32)

PLOT DATE = 2/5/2007  
FILE NAME = K:\11451\bd32.dgn  
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USER NAME = bauerdl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	174
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

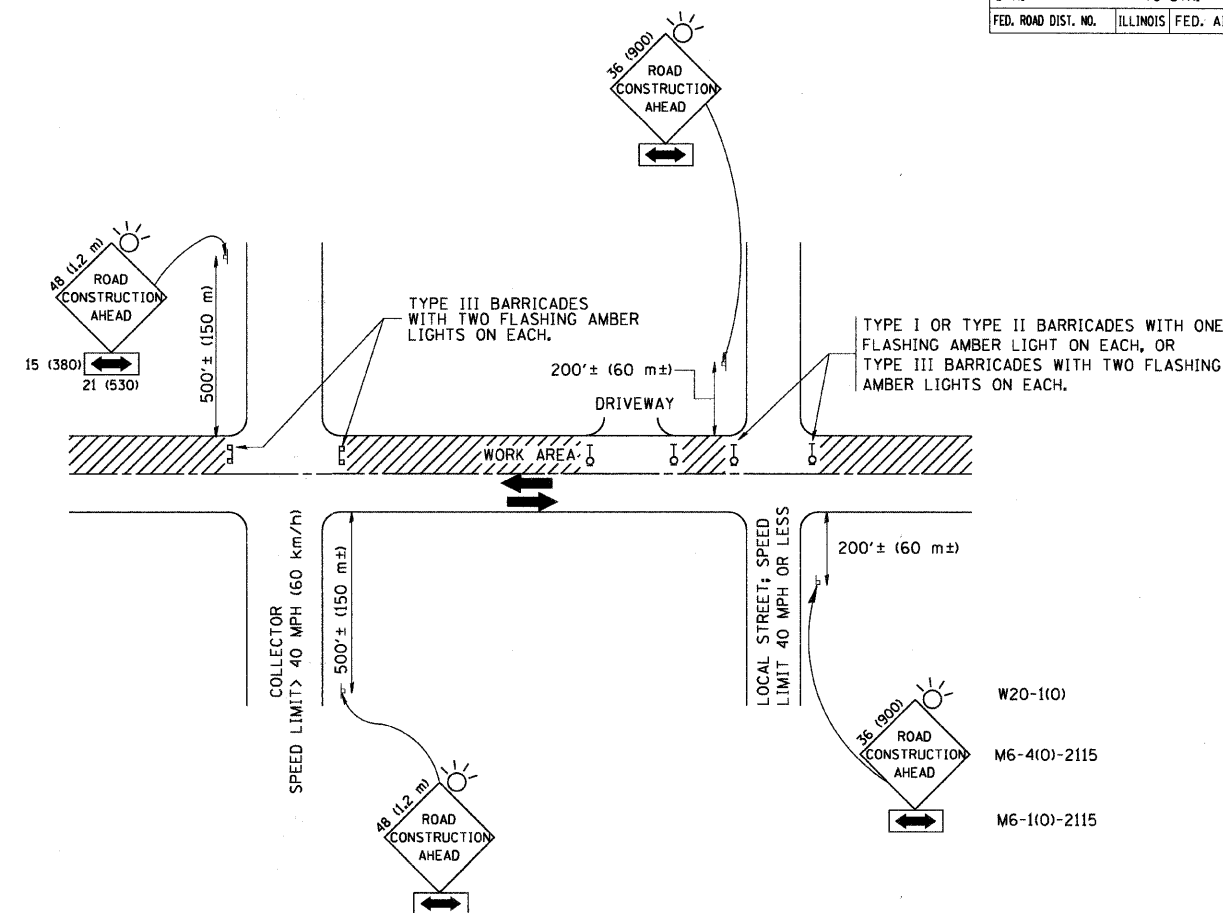
FIRE HYDRANT  
TO BE MOVED

SCALE: VERT. NONE  
HORIZ.

DRAWN BY  
CHECKED BY

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 USER NAME = beard.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	175
STA.		TO STA.		
FED. ROAD DIST. NO.	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.

REVISIONS	
NAME	DATE
LHA	6/789
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

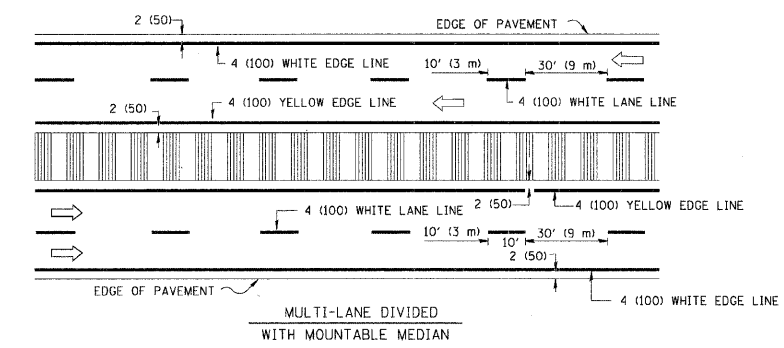
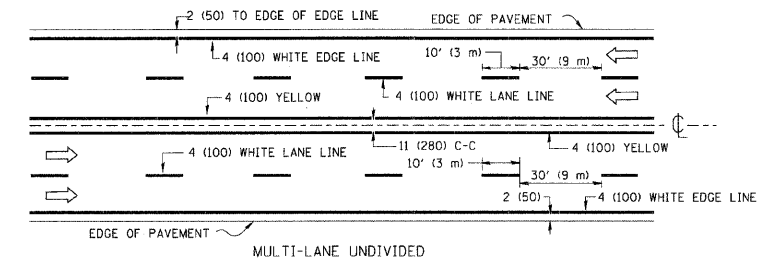
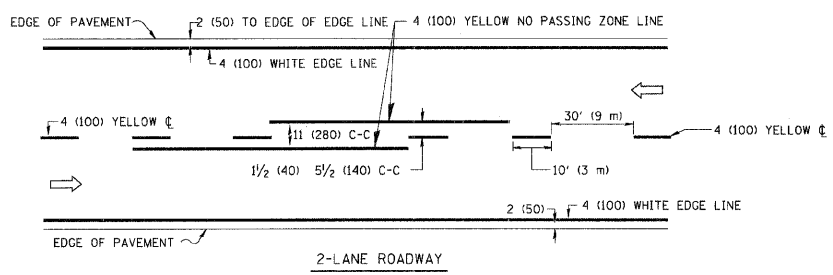
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL AND PROTECTION  
 FOR  
 SIDE ROADS, INTERSECTIONS, AND  
 DRIVEWAYS

SCALE: NONE

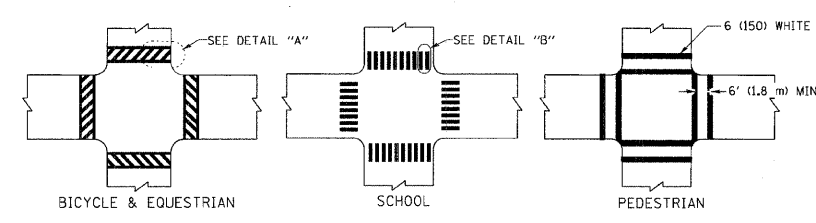
DRAWN BY  
 CHECKED BY

TC-10

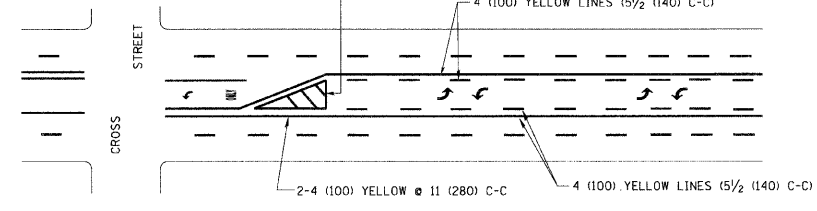
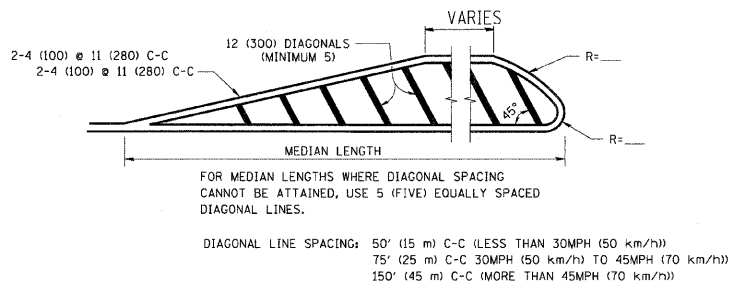
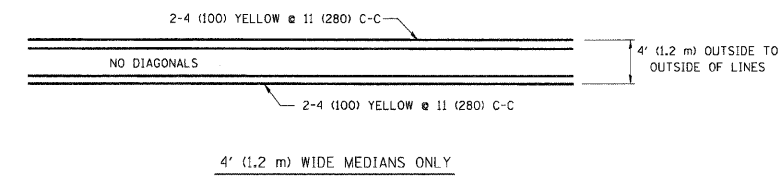
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	176
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



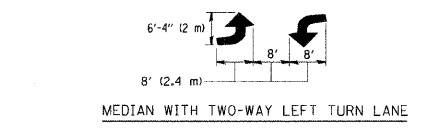
TYPICAL LANE AND EDGE LINE MARKING



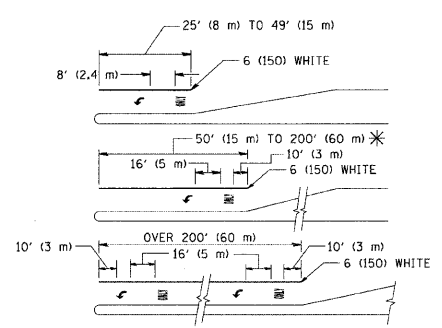
TYPICAL CROSSWALK MARKING



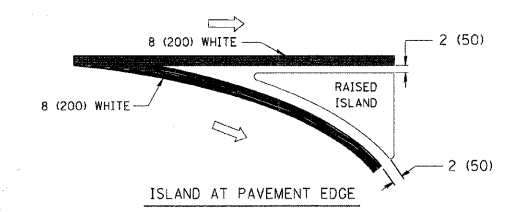
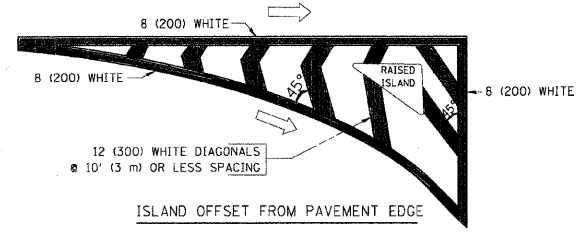
TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE



TYPICAL TURN LANE MARKING



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

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

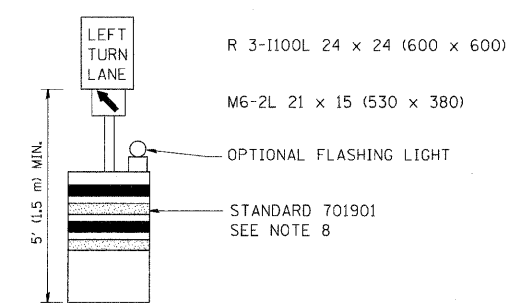
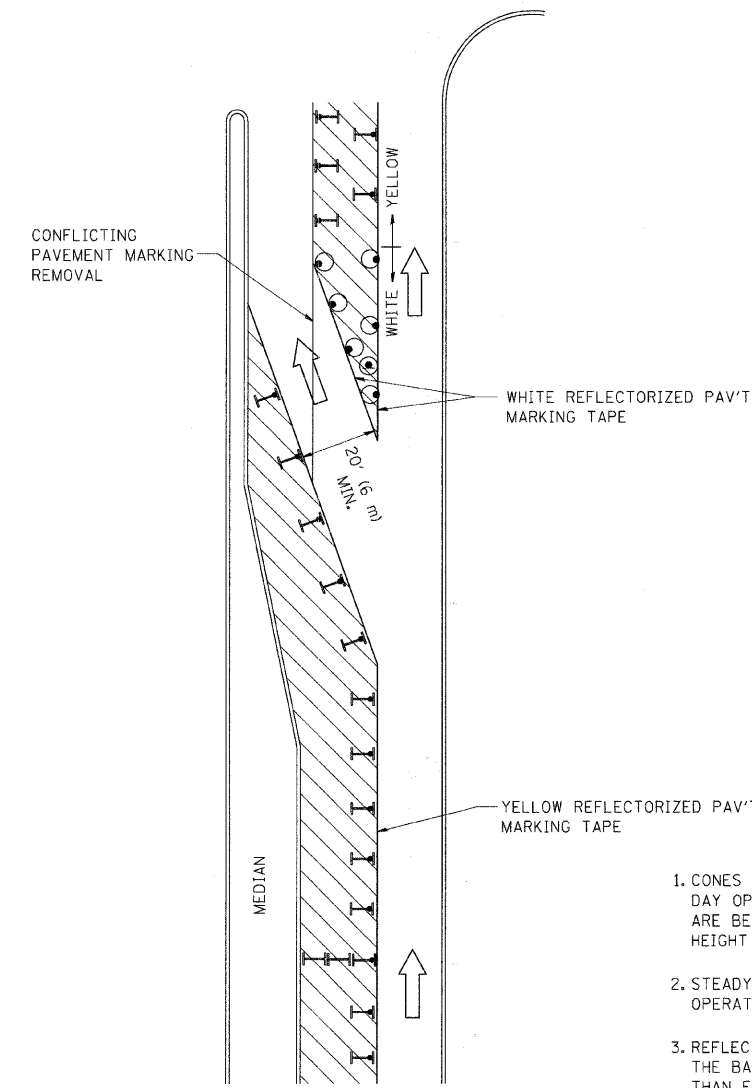
All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
C. JUCIUS	09-09-09

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS  
SCALE: NONE  
DRAWN BY CADD  
CHECKED BY  
TC-13

PLOT DATE = 9/9/2009  
FILE NAME = c:\pwworkspace\drivakogrn\301083384\1013.dgn  
PLOT SCALE = 50.0000 / IN.  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	177
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**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

- GENERAL NOTES**
- 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).
  - STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
  - 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.
  - 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.
  - THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
  - LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
  - FORM OPER 725 IS REQUIRED.
  - IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
  - 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.

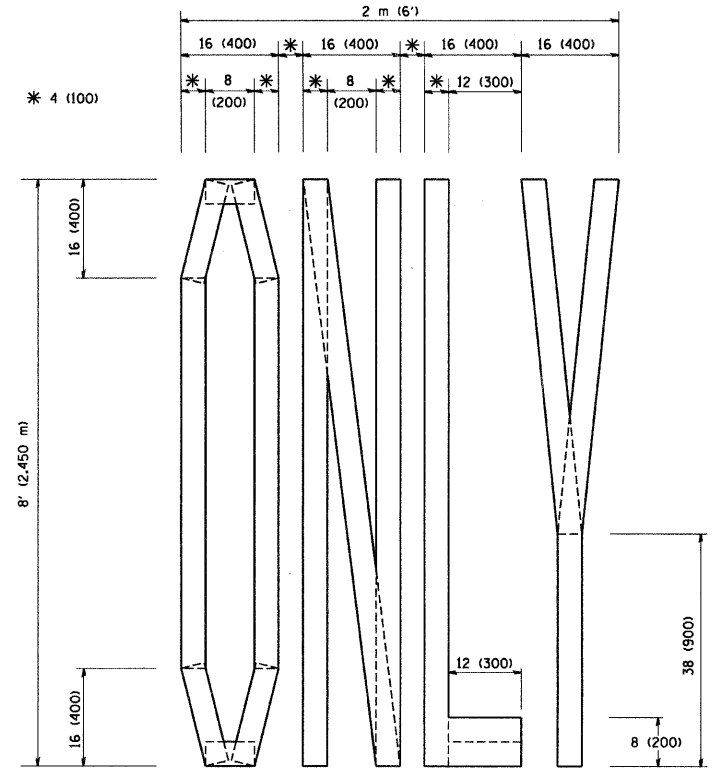
REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00
R. BORO	09/14/09

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)**

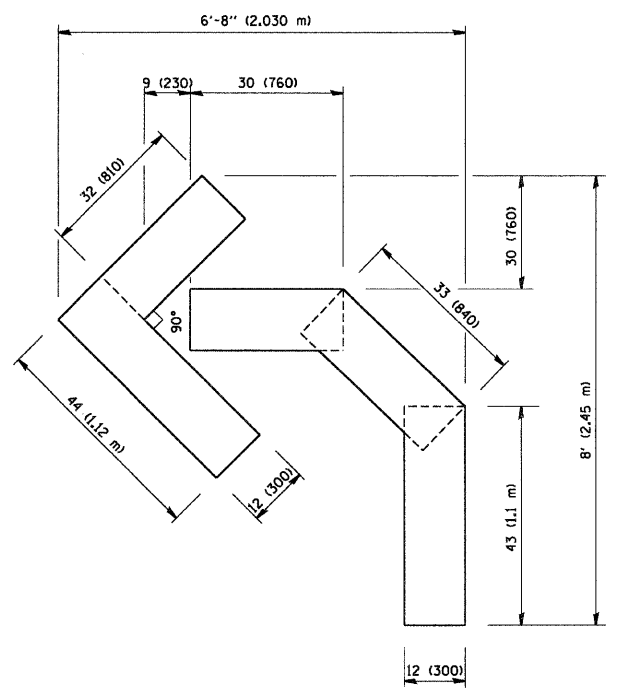
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 CHECKED BY LHA  
 TC-14

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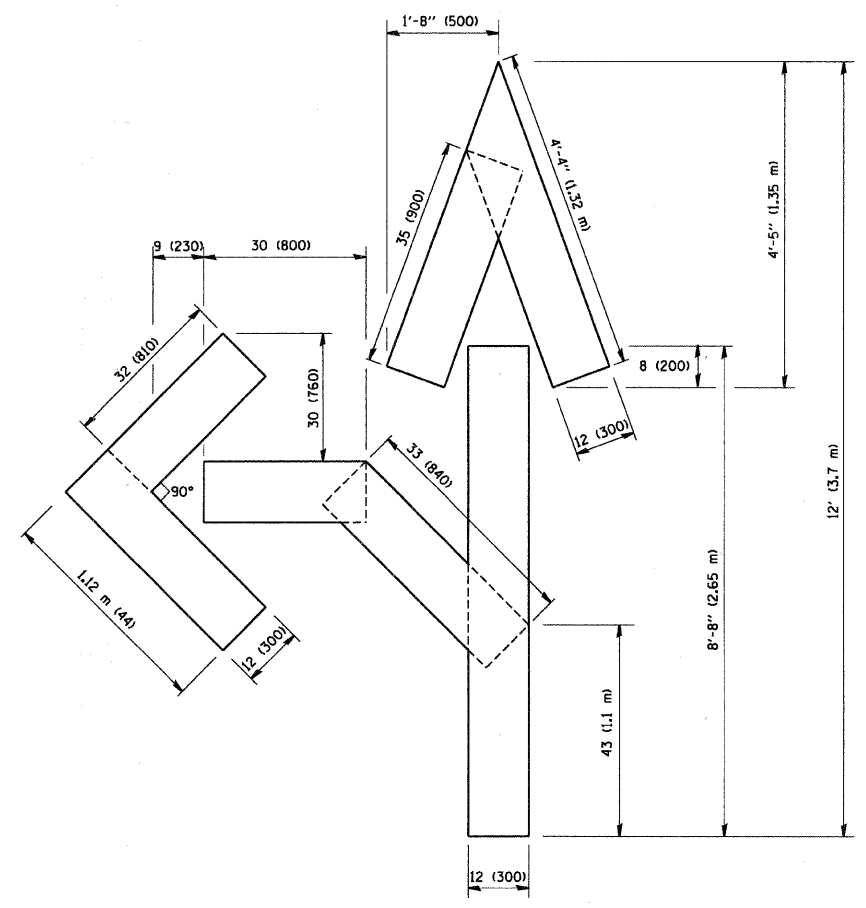
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	178
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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



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



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

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

PLOT DATE = 2/7/2007  
 FILE NAME = K:\mch\01\01\01\01\01.dgn  
 PLOT SCALE = 96/8000 / IN.  
 USER NAME = bmaurd

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/98
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

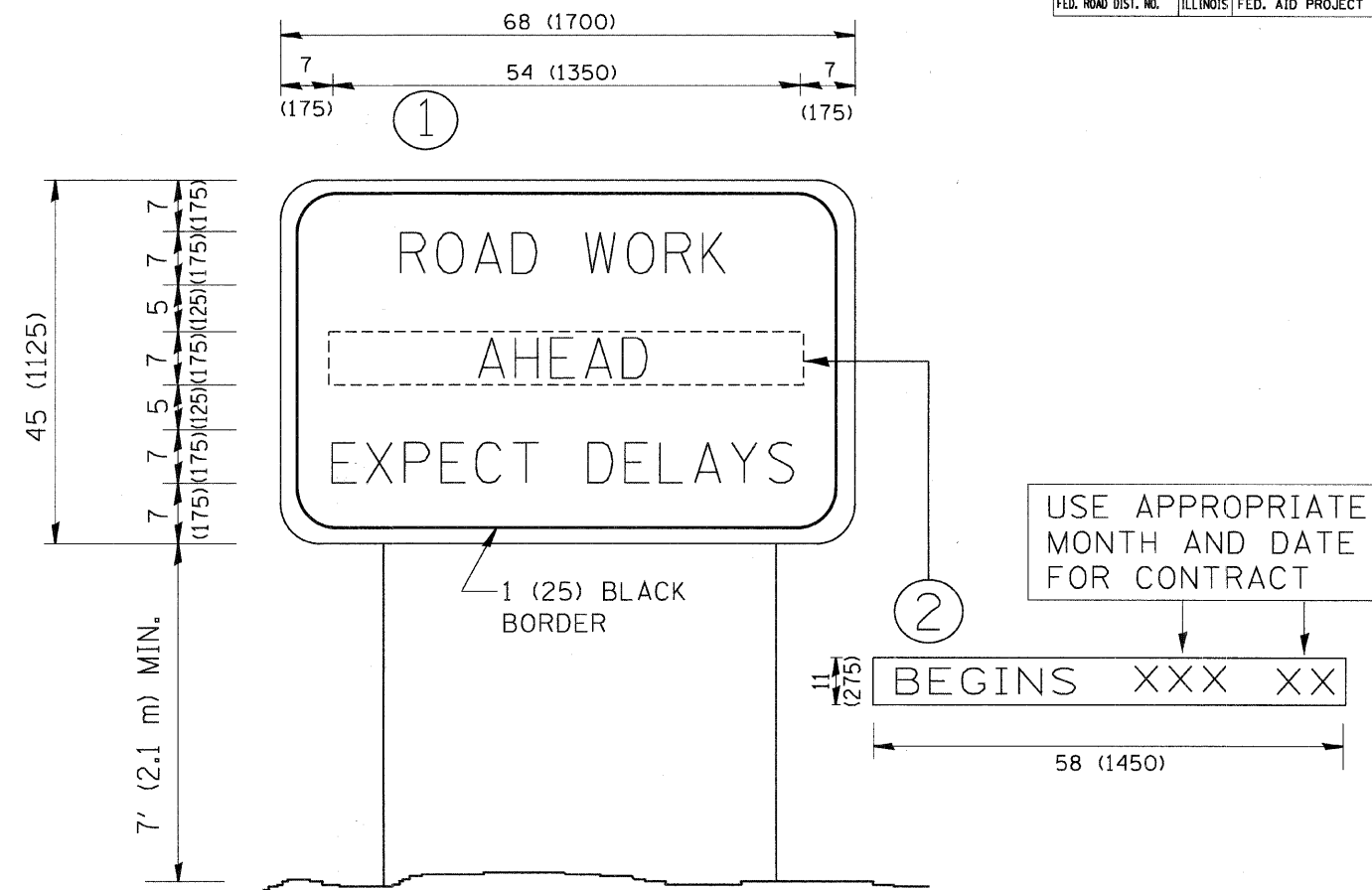
**PAVEMENT MARKING  
 LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING**

SCALE: NONE

DRAWN BY CADD

CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	179
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

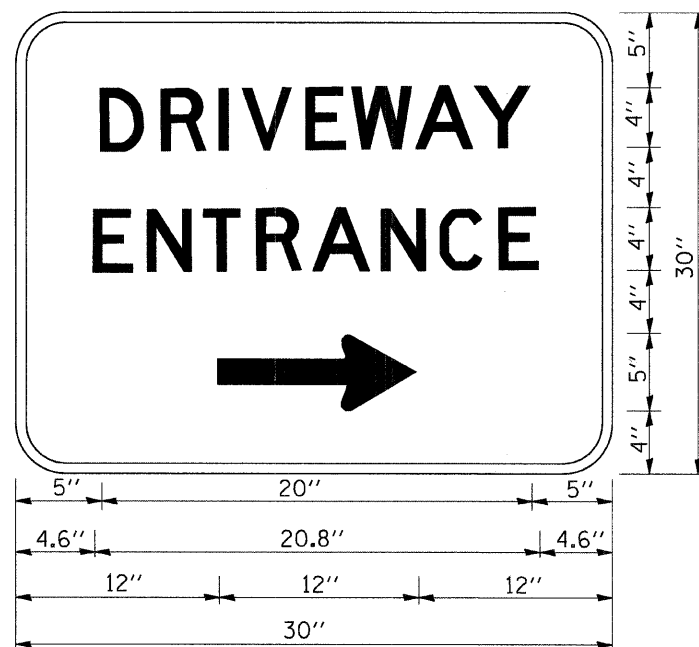
SCALE: NONE

DRAWN BY DESIGN  
CHECKED BY  
TC22

PLOT DATE = 2/6/2007  
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USER NAME = bward1



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	180
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

**NOTES:**

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

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 USER NAME = beaur-dl

REVISIONS	
NAME	DATE
C. JUCIUS	02/15/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

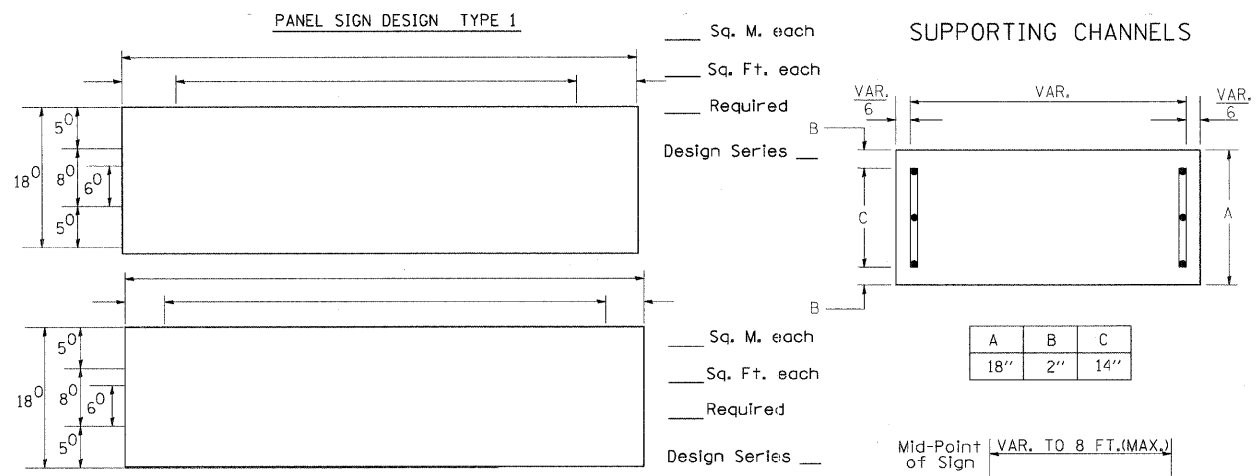
**DRIVEWAY ENTRANCE  
SIGNING**

SCALE: NONE  
DATE

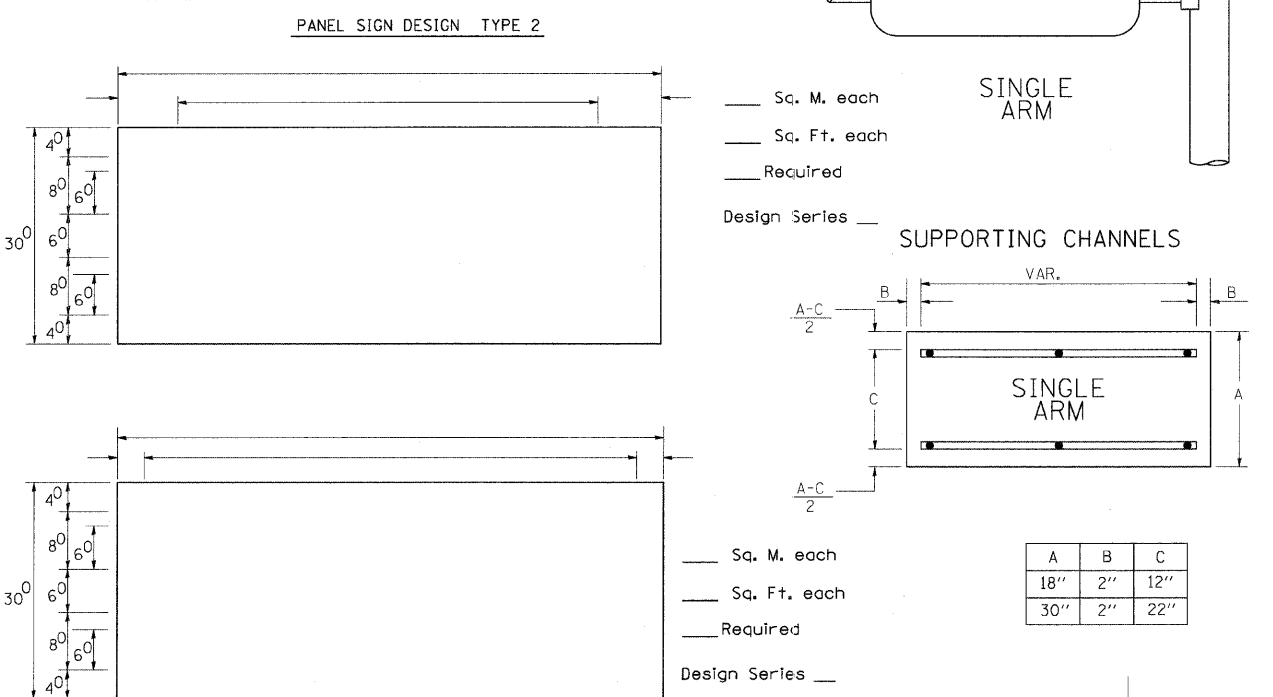
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CHECKED BY  
TC-26

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	181
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXAMPLE, 2<sup>3</sup> DENOTES 3/8"



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS



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

FIRST LETTER	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x z			
	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
A	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
E	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
F	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
G	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
H	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
I	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
J	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
K	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
L	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
M	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
N	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

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

FIRST LETTER	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x z			
	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
a	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
b	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
d	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
e	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
f	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
g	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
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UPPER AND LOWER CASE LETTER WIDTHS

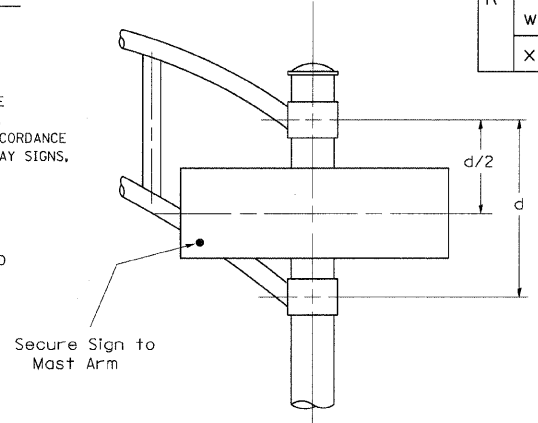
LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43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

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

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

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

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



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

- GENERAL NOTES
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
  - ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
  - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
  - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
  - SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

\* J.O. HERBERT CO. MIDLOTHIAN, VA. \* WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:  
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)  
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3  
BRACKETS PART #HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

Plot Date = 11/1/2005  
File Name = \\sawyer\work\11083661\11082.dgn  
Plot Scale = 40.0000  
User Name = baumcd

REVISIONS

NAME	DATE
CREATED	2/79
D.A.Z./ D.A.G.	11/90
	6/98
CADD	10/01/00
D.A.G.	10/28/09

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT 1  
MAST ARM MOUNTED  
STREET NAME SIGNS

SCALE: NONE

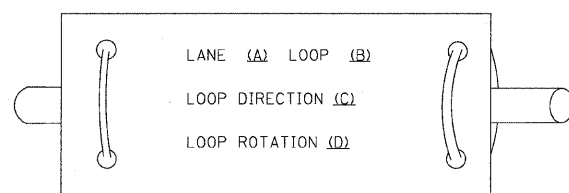
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CHECKED BY DAG/DAD  
TS 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

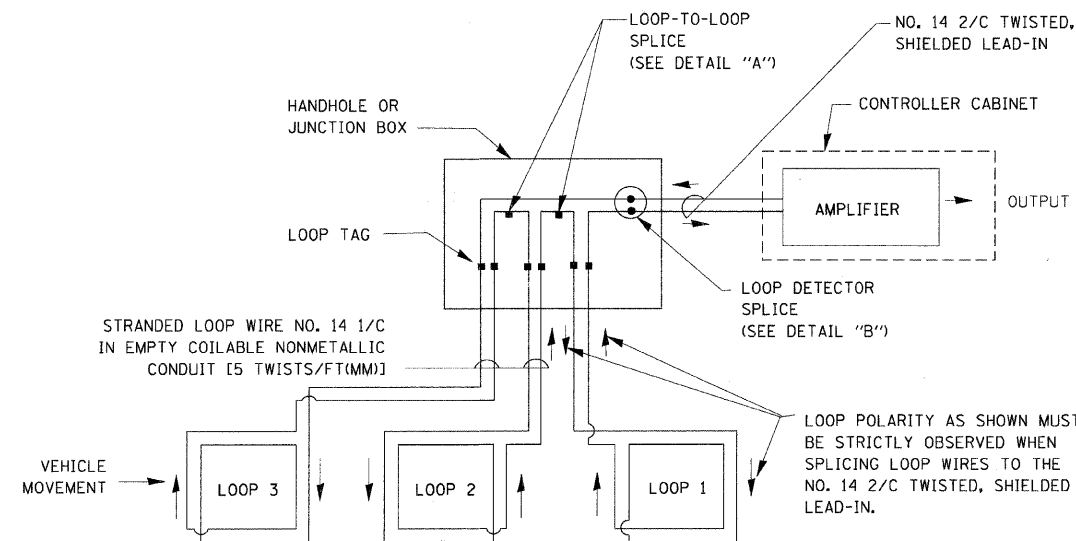
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

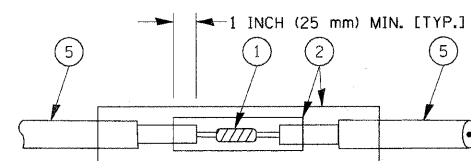


- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

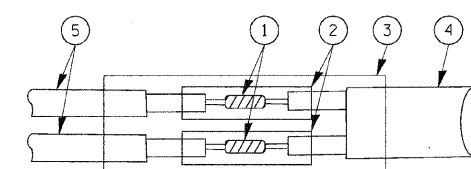


**DETECTOR LOOP WIRING SCHEMATIC**

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

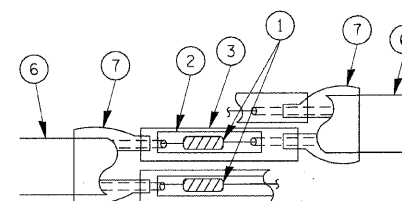


**DETAIL "A"  
LOOP-TO-LOOP SPLICE**

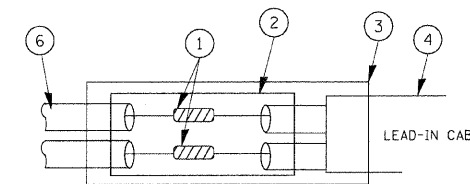


**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**TYPE I LOOP**



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



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

**LOOP DETECTOR SPLICE**

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

REVISIONS	
NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02
BCK	10/28/09

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS**

SCALE: NONE

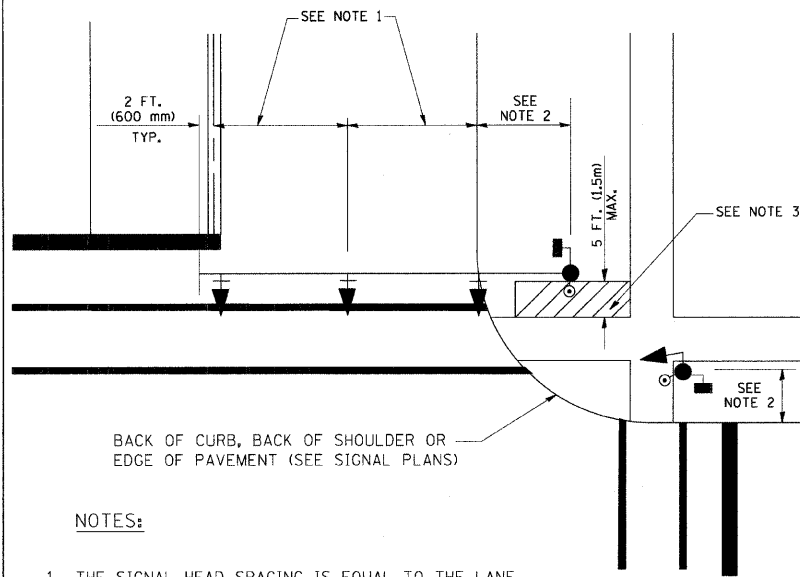
DRAWN BY: BCK  
DESIGNED BY: DAD  
CHECKED BY: DAD  
SHEET 1 OF 6

TS05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	182B
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

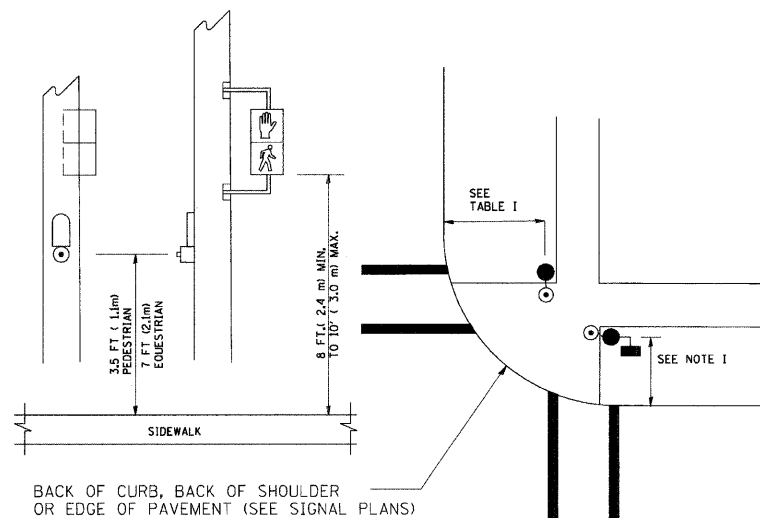
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**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."

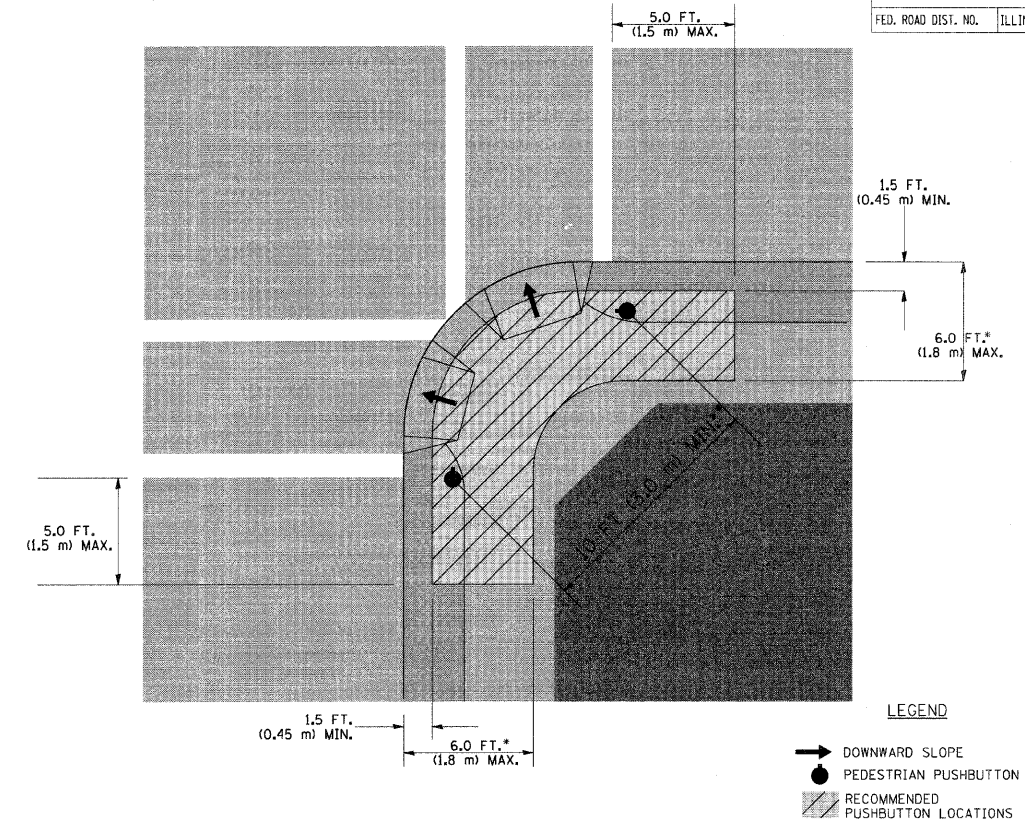
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**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**



- 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.

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	1/01/02
BCK	10/28/09

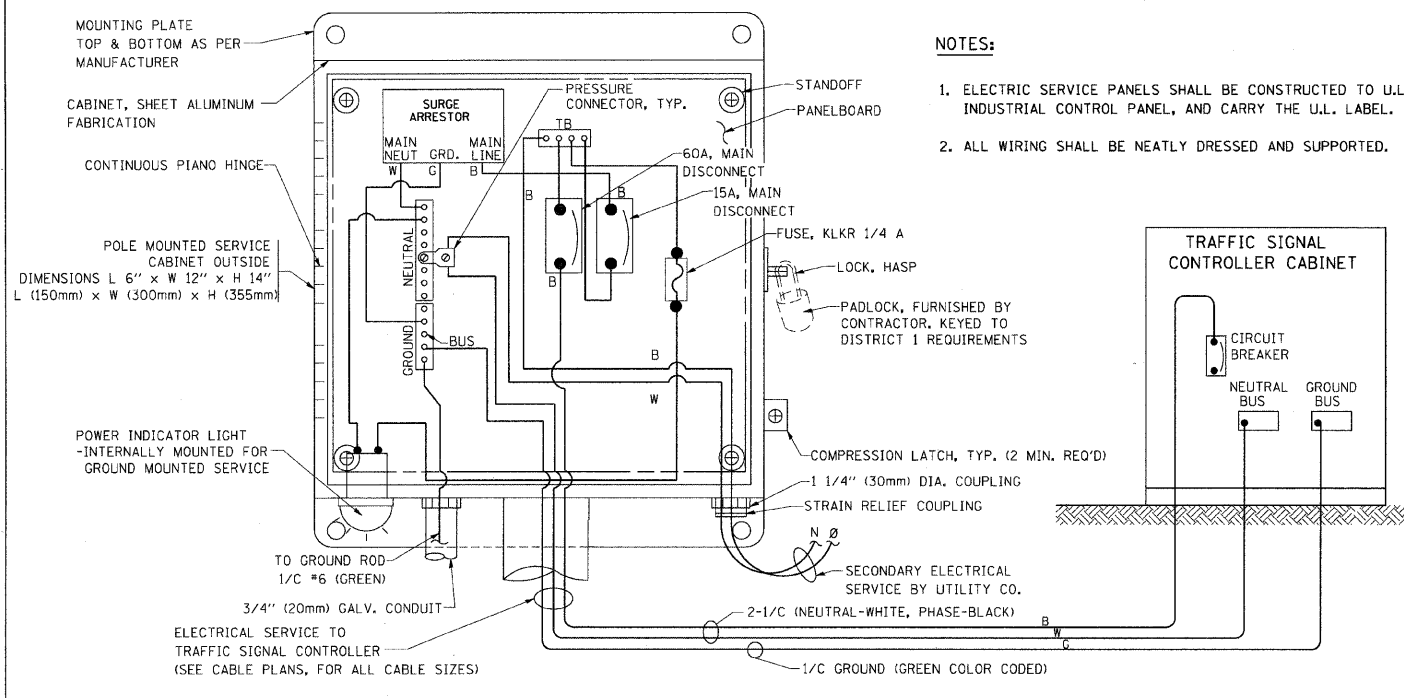
ILLINOIS DEPARTMENT OF TRANSPORTATION

**DISTRICT 1  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS**

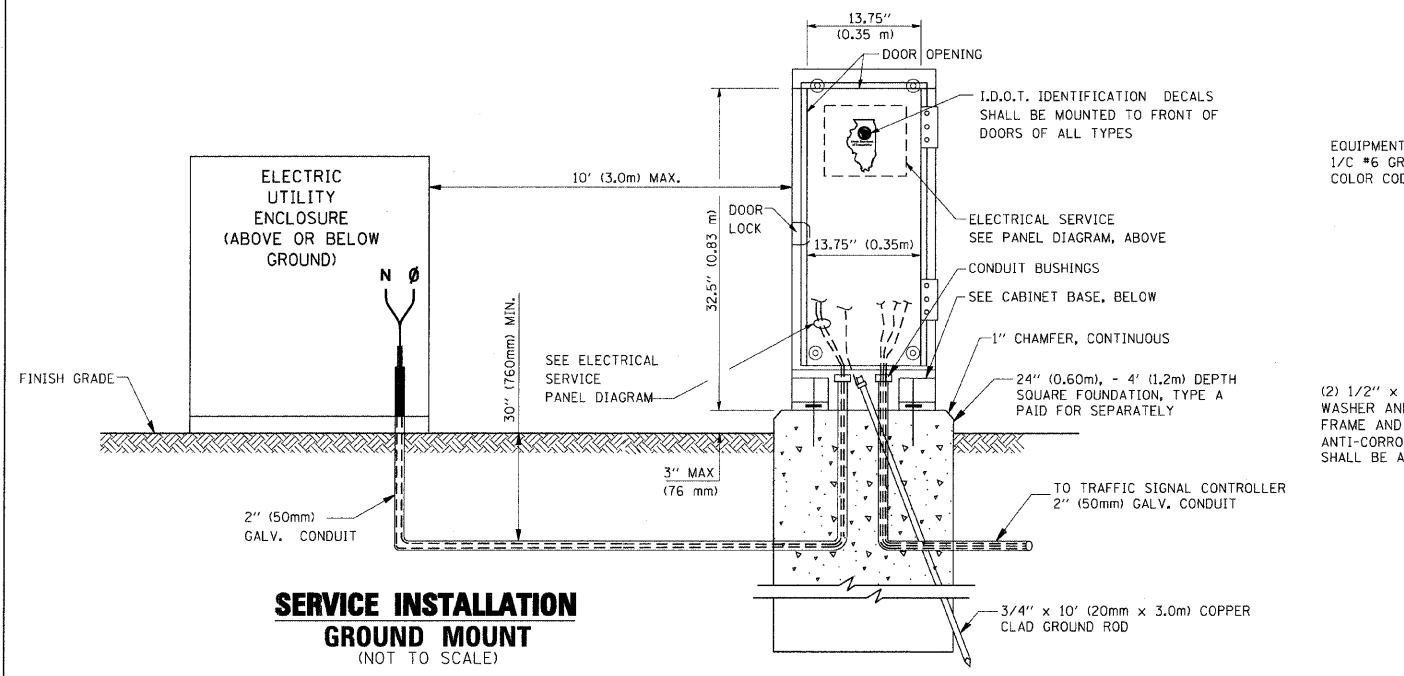
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DRAWN BY: BCK  
DESIGNED BY: DAD  
CHECKED BY: DAD  
SHEET 2 OF 6

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	182C
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

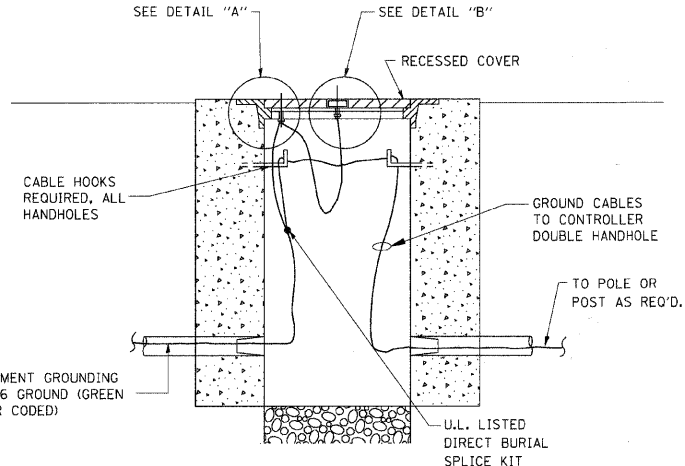
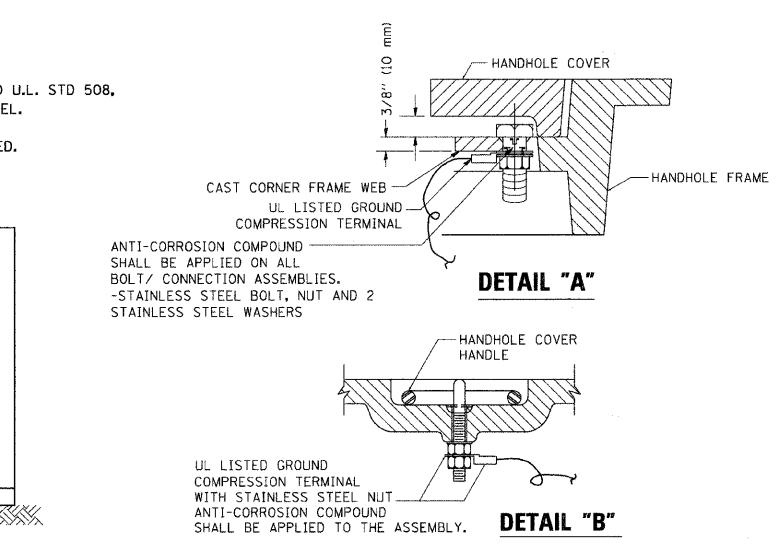
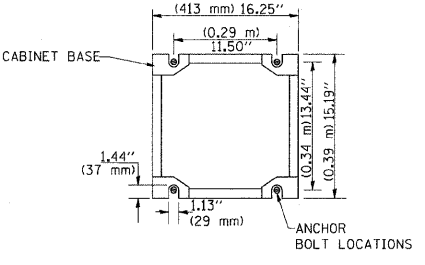


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)

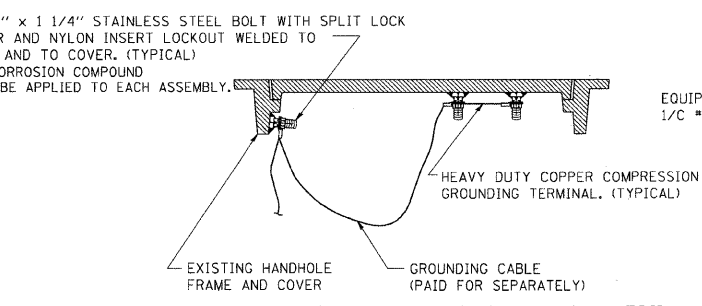


**SERVICE INSTALLATION GROUND MOUNT**  
 (NOT TO SCALE)

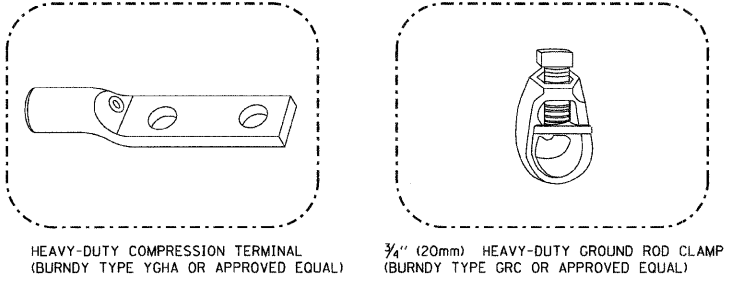
**CABINET - BASE BOLT PATTERN**  
 (NOT TO SCALE)



**HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)

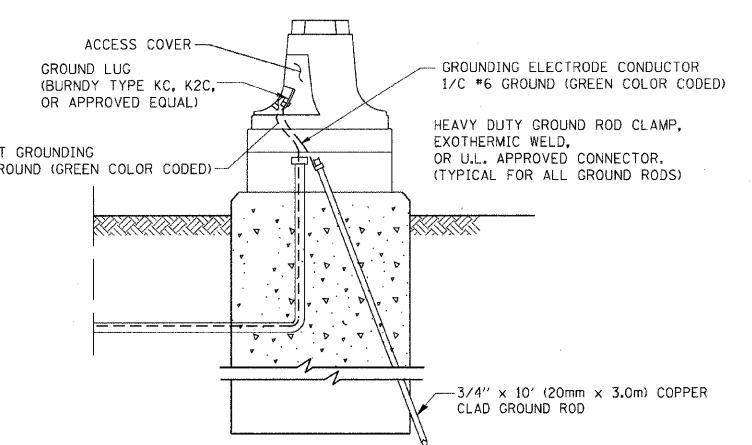


**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)



**HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)**  
**3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)**

- 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.



**MAST ARM POLE / POST-GROUNDING DETAIL**  
 (NOT TO SCALE)

REVISIONS	
NAME	DATE
CADD	5/30/00
CADD	3/15/01
BUREAU OF TRAFFIC	1/01/02
BCK	10/28/09

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL  
 DESIGN DETAILS**

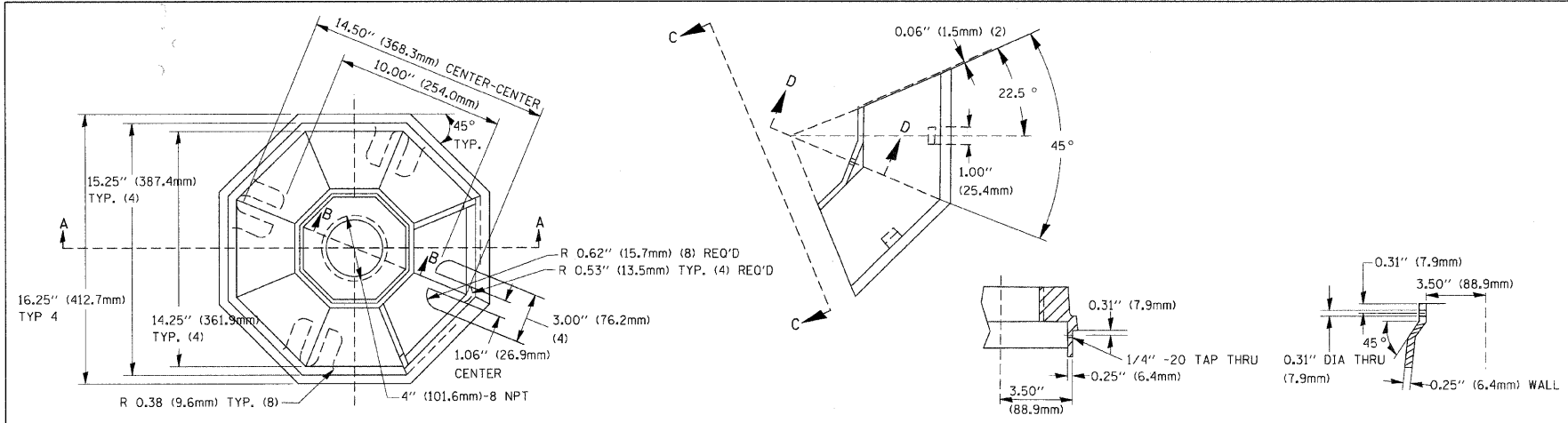
SCALE: NONE

DRAWN BY: BCK  
 DESIGNED BY: DAD  
 CHECKED BY: DAD  
 SHEET 3 OF 6

TS05

DATE = 11/4/2009  
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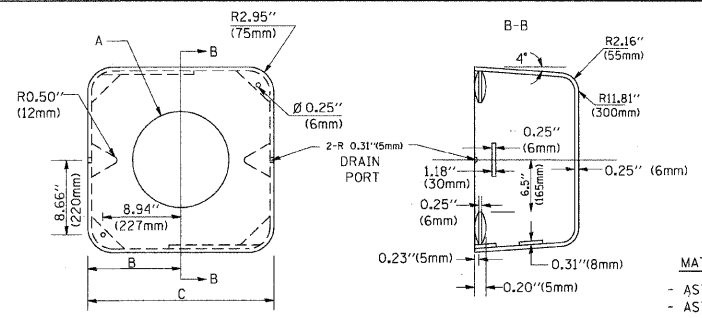
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	182D
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TOP VIEW

SECTION B-B

SECTION D-D

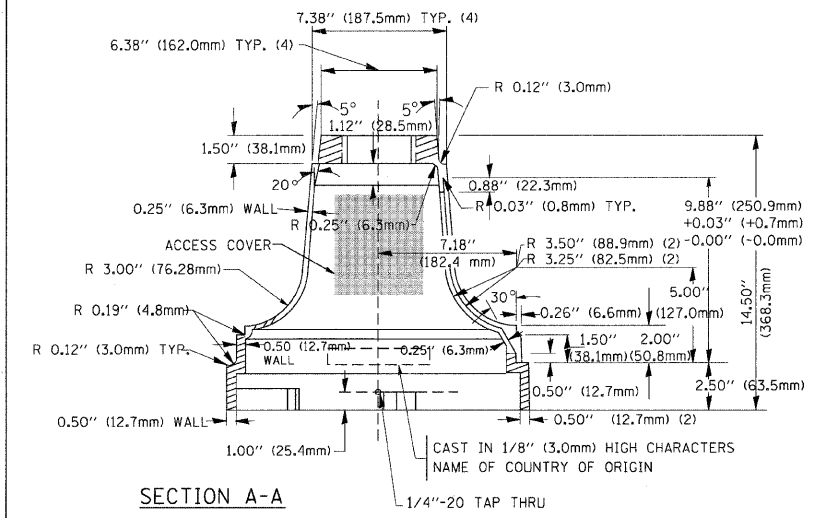


SHROUD

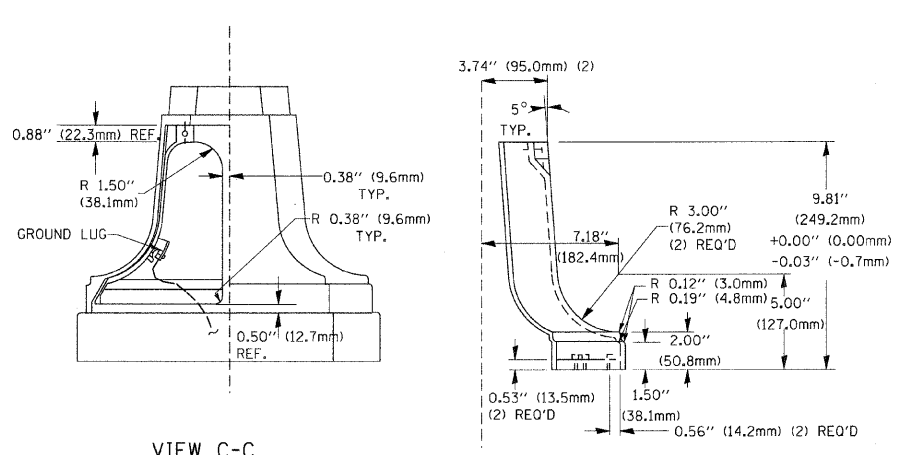
A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\" (241mm)	19\" (483mm)	7\" (178mm) - 12\" (300mm)	53 lbs (24kg)
VARIABLES	10.75\" (273mm)	21.5\" (546mm)	7\" (178mm) - 12\" (300mm)	68 lbs (31 kg)
VARIABLES	13.0\" (330mm)	26\" (660mm)	7\" (178mm) - 12\" (300mm)	81 lbs (37 kg)
VARIABLES	18.5\" (470mm)	37\" (940mm)	7\"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

NOTES:

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.

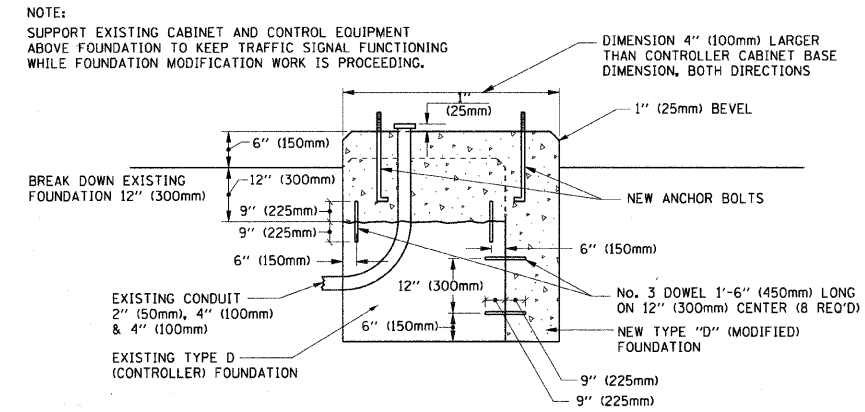


SECTION A-A

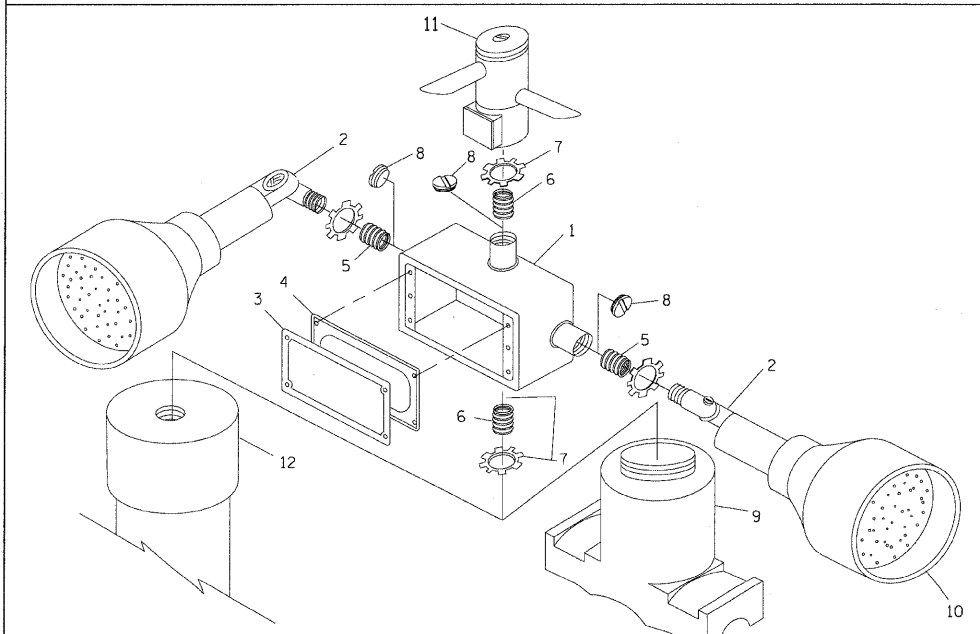


VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



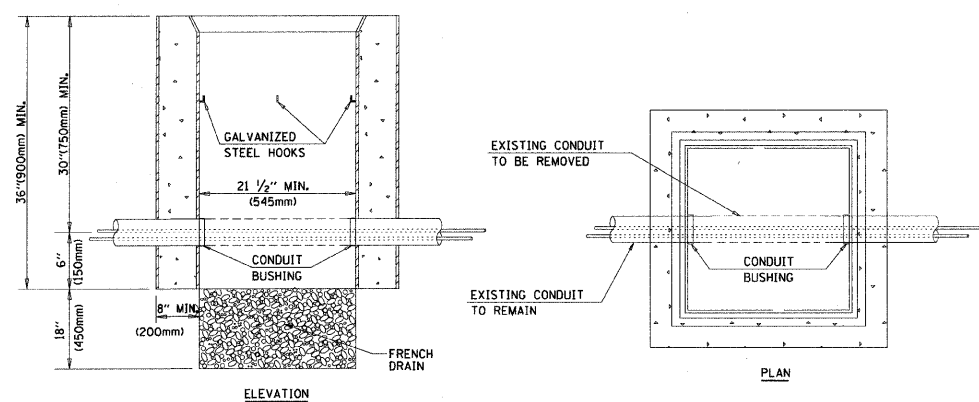
MODIFY EXISTING TYPE "D" FOUNDATION



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.



HANDHOLE TO INTERCEPT EXISTING CONDUIT

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	5/30/00
BUREAU OF TRAFFIC	3/15/01
BUREAU OF TRAFFIC	11/12/01
BUREAU OF TRAFFIC	1-01-02
BCK	10/28/09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS

NOTES:

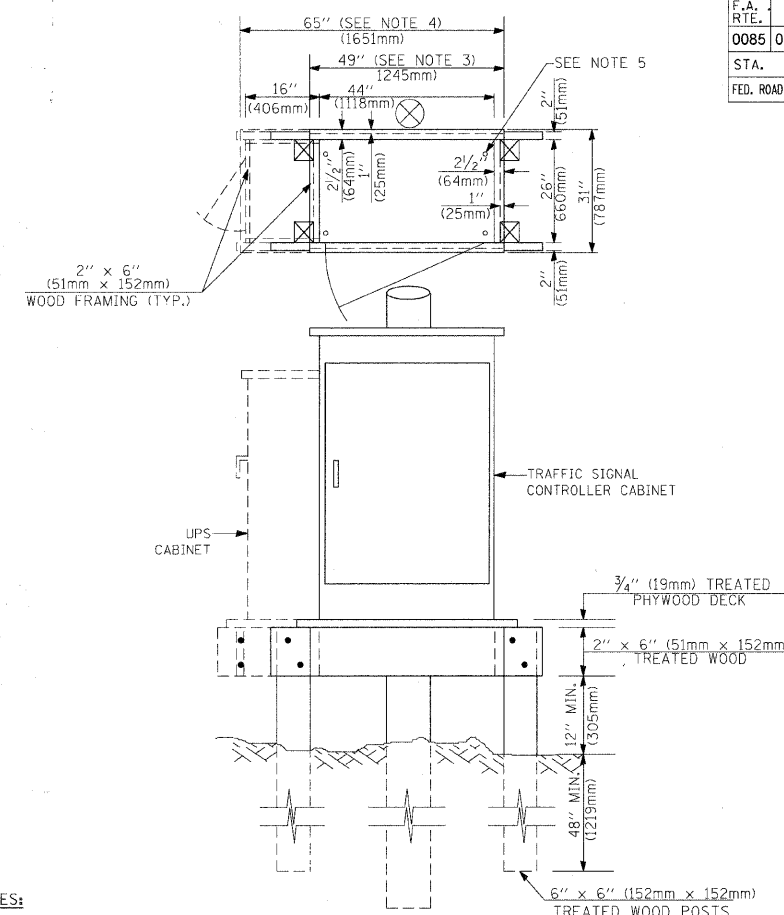
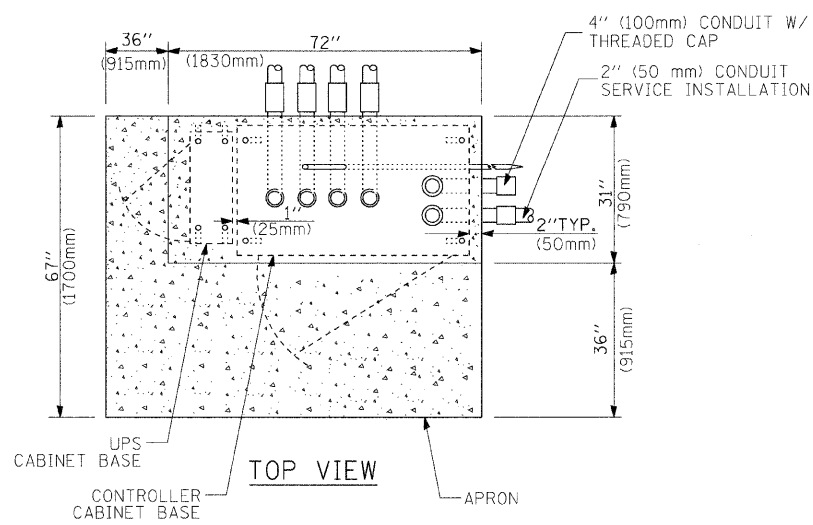
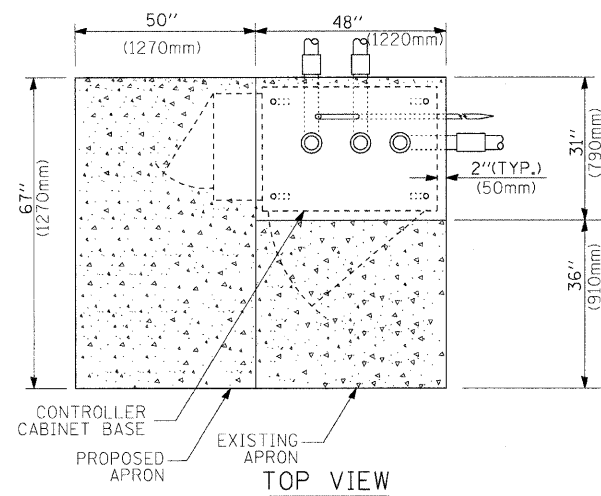
1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

SCALE: NONE

DRAWN BY: BCK  
DESIGNED BY: DAD  
CHECKED BY: DAD  
SHEET 4 OF 6

PLOT DATE = 11/14/2009  
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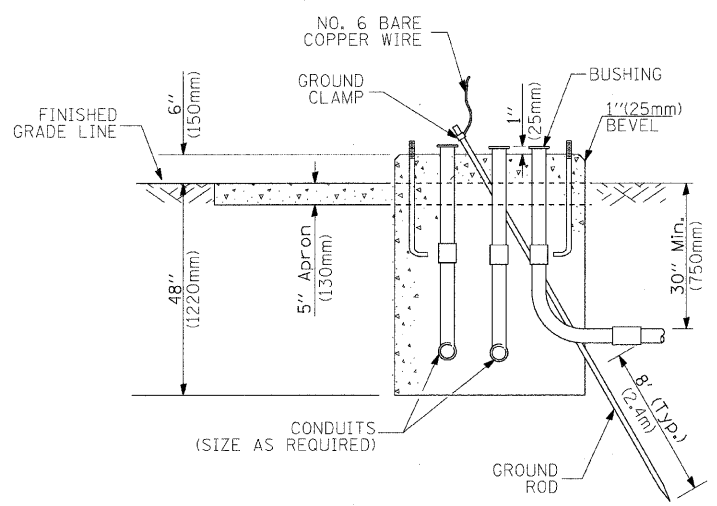
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



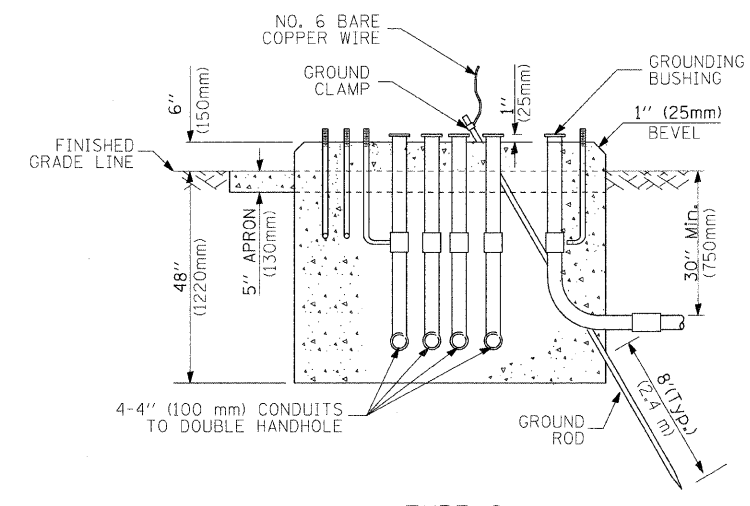
NOTES:

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



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

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

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 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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

REVISIONS	
NAME	DATE
	5/30/00
	3/15/01
	11/12/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE

DRAWN BY: BCK  
DESIGNED BY: DAD  
CHECKED BY: DAD  
SHEET 5 OF 6

PLOT DATE = 11/4/2003  
 PLOT SCALE = 50.0000  
 USER NAME = bckar-dl

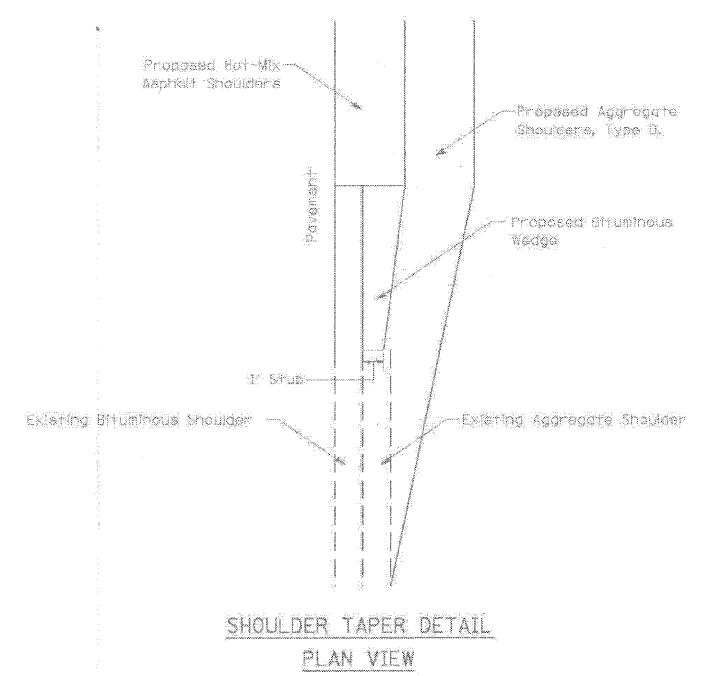
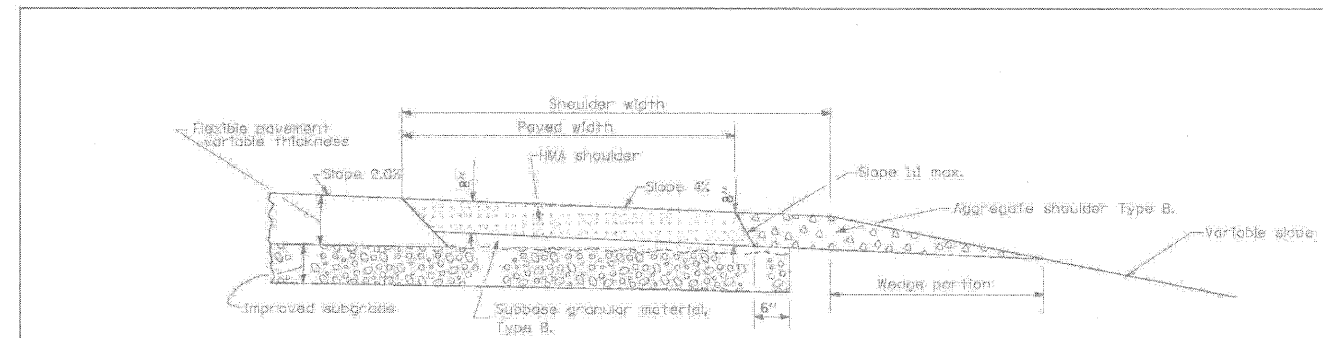
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

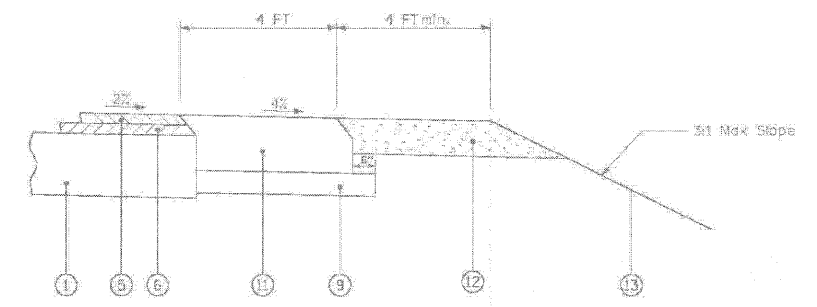
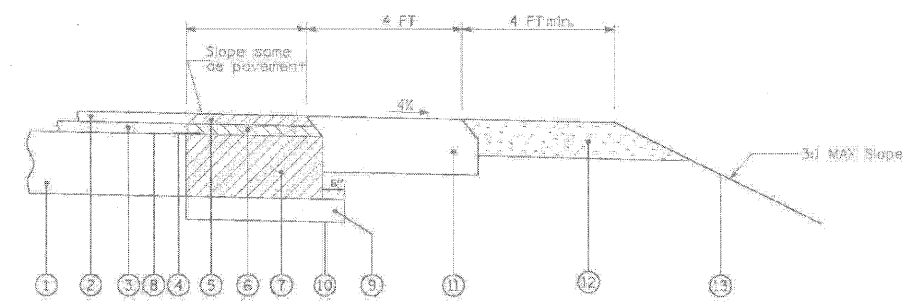
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED																					
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																								
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																								
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA																								
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																								
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																								
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SMI2F																								
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SMI2F																								
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)																								
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																								
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																								
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																								
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																								
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																								
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED																								
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR																								
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR																								
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR																								
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																								
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				EXISTING PREFORMED INTERSECTION LOOP DETECTOR																								
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																								
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																								
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				PREFORMED SAMPLING (SYSTEM) DETECTOR																								
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				<h2 style="text-align: center;">RAILROAD SYMBOLS</h2> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>EXISTING</p> </div> <div style="text-align: center;"> <p>PROPOSED</p> </div> </div> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td>5/30/00</td> </tr> <tr> <td></td> <td>3/15/01</td> </tr> <tr> <td></td> <td>11/12/01</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <h3 style="text-align: center;">DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</h3> <p style="text-align: center;">SCALE: NONE</p> <p style="font-size: small; text-align: right;">DRAWN BY: BCK DESIGNED BY: DAD CHECKED BY: DAD SHEET 6 OF 6</p> <p style="text-align: right; font-size: x-small;">TS05</p>			REVISIONS		NAME	DATE		5/30/00		3/15/01		11/12/01												
REVISIONS																																
NAME	DATE																															
	5/30/00																															
	3/15/01																															
	11/12/01																															
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT																												
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER																												
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																												
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																												
MICROWAVE VEHICLE SENSOR																																
VIDEO DETECTION CAMERA																																
VIDEO DETECTION ZONE																																
PAN, TILT, ZOOM CAMERA																																
WIRELESS DETECTOR SENSOR																																
WIRELESS ACCESS POINT																																

PLOT DATE = 11/4/2009  
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 USER NAME = jwp





NOTE:  
TAPER THE HOT-MIX ASPHALT SHOULDERS DOWN TO THE EXISTING AGGREGATE SHOULDER WITH 1" STUB.



- LEGEND**
- ① EXISTING PAVEMENT
  - ② EXISTING HMA SURFACE COURSE
  - ③ EXISTING HMA BINDER COURSE
  - ④ SAWCUT EXISTING PAVEMENT & INSTALL 24" WIDE STRIP REFLECTIVE CRACK CONTROL TREATMENT, TYPE A
  - ⑤ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
  - ⑥ PROPOSED HMA BINDER COURSE, IL-19, N70, 2 1/2"
  - ⑦ PROPOSED HMA BASE COURSE, 9"
  - ⑧ PRIME COAT
  - ⑨ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
  - ⑩ PROPOSED AGGREGATE SUBGRADE
  - ⑪ PROPOSED HMA SHOULDERS, 8"
  - ⑫ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
  - ⑬ PROPOSED TOPSOIL, SEEDING, CL 24 & EROSION CONTROL BLANKET

FILE NAME:	USER NAME:	DESIGNED:	REVISED:	<b>MCHENRY COUNTY DIVISION OF TRANSPORTATION</b>	<b>SHOULDER DETAIL</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DATE:	DATE:	CHECKED:	REVISED:			MCHENRY					
PLDT DATE:	PLDT DATE:	DATE:	DATE:			CONTRACT NO.					
						SCALE: N.T.S. SHEET NO. OF SHEETS   STA. TO STA.   FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT					

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

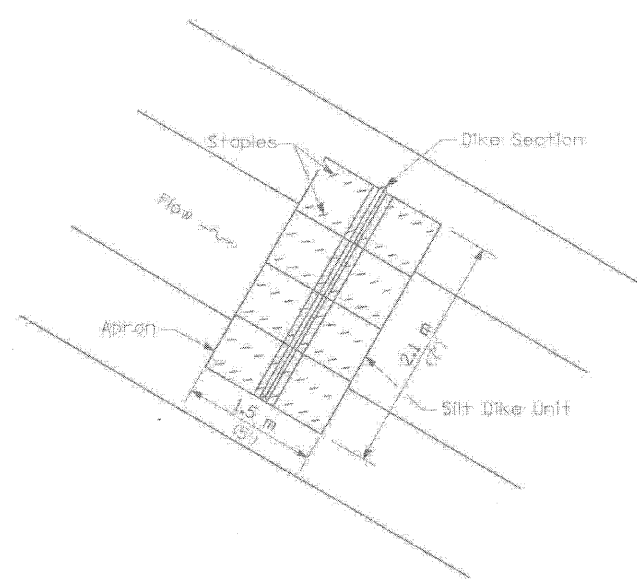
**MCHENRY COUNTY DIVISION  
OF TRANSPORTATION DETAILS**  
I

SCALE: N.T.S. DRAWN BY: MZD  
DATE: 08/17/09 CHECKED BY: MCD

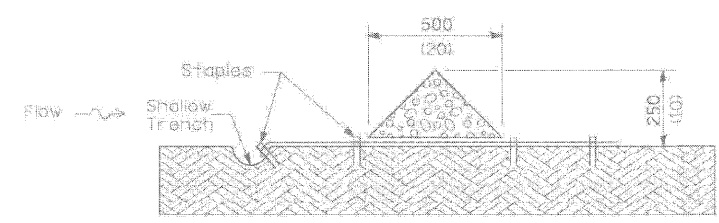
**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
205 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

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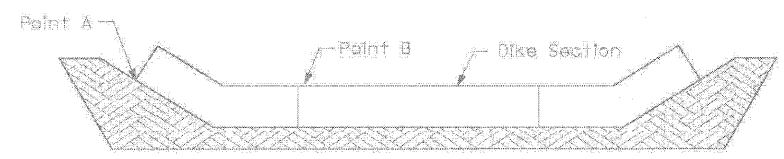
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	185
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



PLAN



SIDE ELEVATION



Point A must be higher than Point B to ensure that water flows over the dike and not around the ends.

FRONT ELEVATION

URETHANE FOAM/GEOTEXTILE DITCH CHECK

**NOTES**

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

FILE NAME: #P246A	DESIGNER: MUSEER	DESIGNED: --	REVISED: --	<b>MCHENRY COUNTY DIVISION OF TRANSPORTATION</b>	<b>URETHANE FOAM/GEOTEXTILE DITCH CHECK DETAIL</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLAT DATE: 08/17/09	DRAWN: --	REVISED: --			MCHENRY					
		CHECKED: --	REVISED: --			CONTRACT NO.					
		DATE: --	REVISED: --			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: N.T.S.		SHEET NO. OF SHEETS		STA. TO STA.			

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

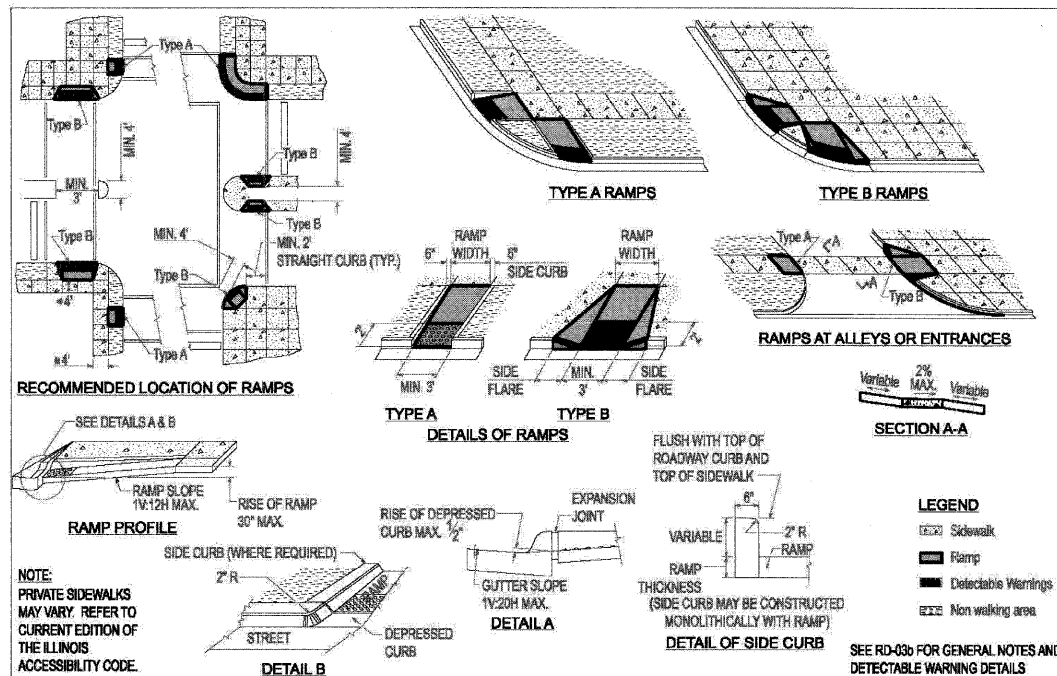
**MCHENRY COUNTY DIVISION  
OF TRANSPORTATION DETAILS  
II**

SCALE: N.T.S. DRAWN BY: MZD  
DATE: 08/17/09 CHECKED BY: MCD

**TENG**

TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
209 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

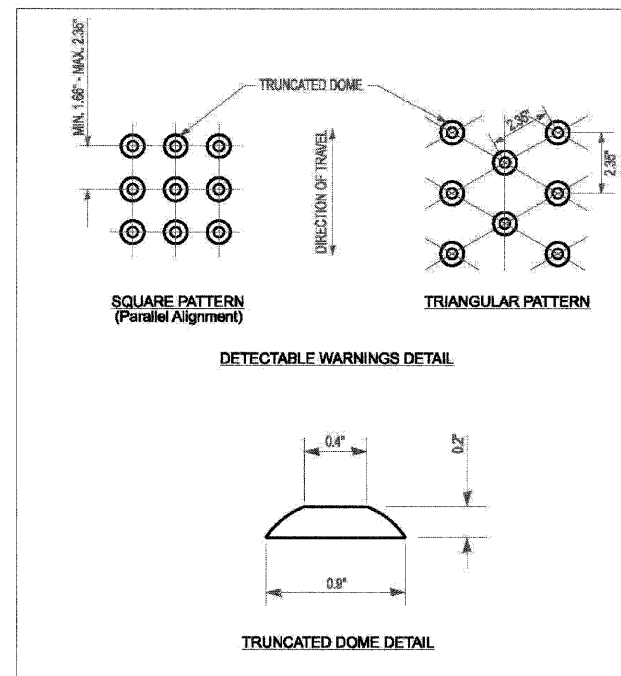
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Approved: City Engineer  
*Victor C. Ramirez, P.E.*  
 Victor C. Ramirez, P.E.  
 Director of Engineering and Building

Drawing Name  
**PUBLIC SIDEWALK RAMP DETAIL (MODIFIED IDOT 424001-04)**

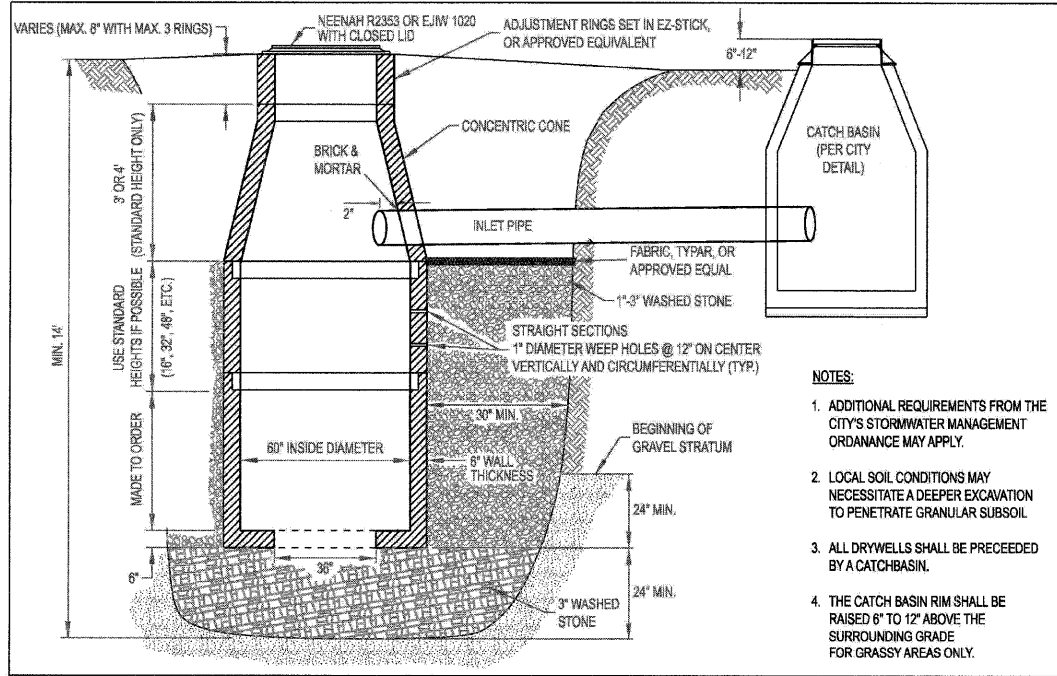
Drawing Number  
**RD-03a**  
 Date: 4/15/2007  
 Drawn: EM  
 Checked: MS  
**CRYSTAL LAKE ILLINOIS Engineering Division**



Approved: City Engineer  
*Victor C. Ramirez, P.E.*  
 Victor C. Ramirez, P.E.  
 Director of Engineering and Building

Drawing Name  
**SIDEWALK RAMPS: DETECTABLE WARNINGS (MODIFIED IDOT 424001-04)**

Drawing Number  
**RD-03b**  
 Date: 4/15/2007  
 Drawn: EM  
 Checked: MS  
**CRYSTAL LAKE ILLINOIS Engineering Division**



Approved: City Engineer  
*Victor C. Ramirez, P.E.*  
 Victor C. Ramirez, P.E.  
 Director of Engineering and Building

Drawing Name  
**DRYWELL**

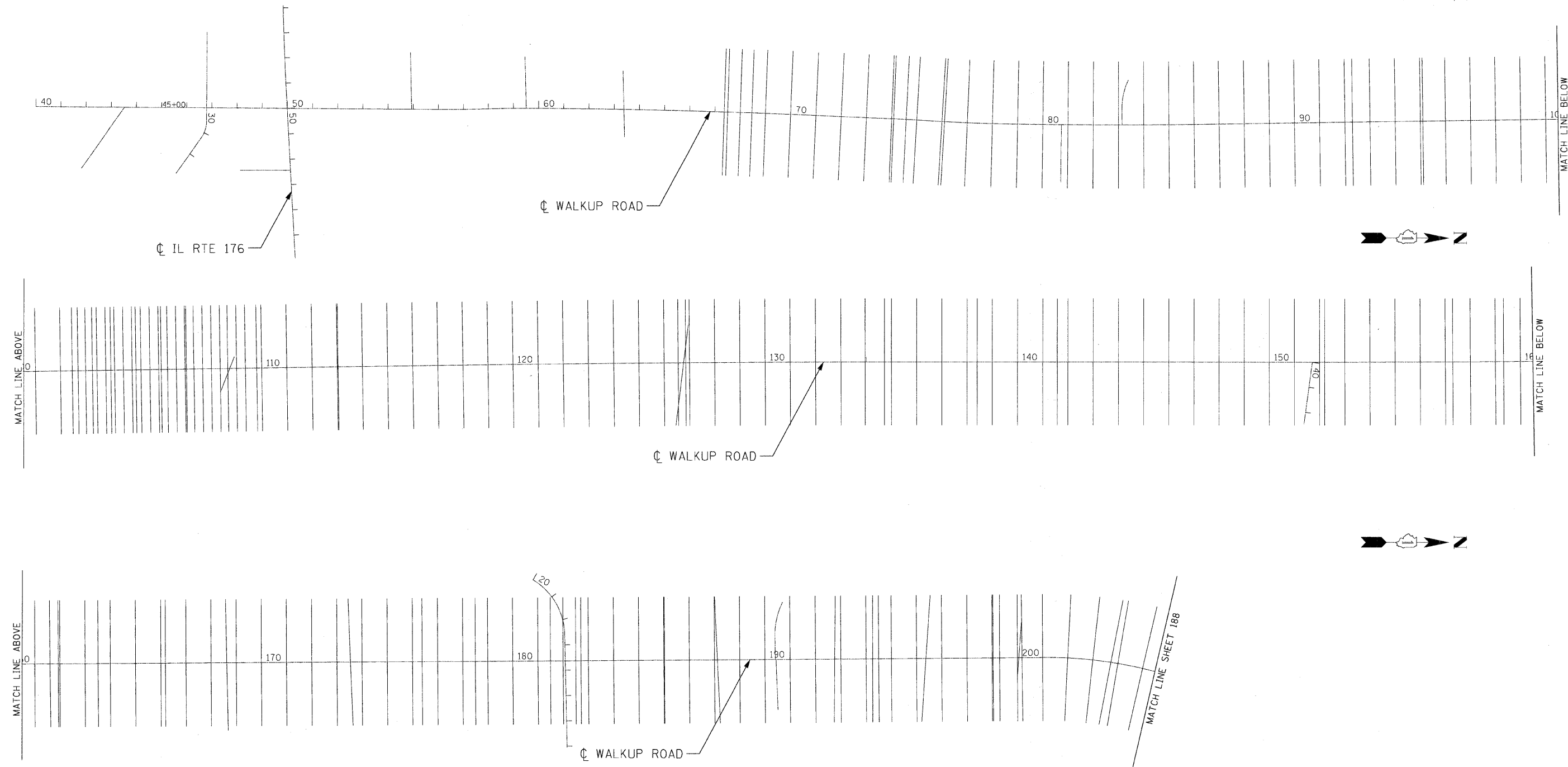
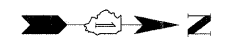
Drawing Number  
**UD-03**  
 Date: 4/15/2007  
 Drawn: EM  
 Checked: LZ  
**CRYSTAL LAKE ILLINOIS Engineering Division**

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085  
**CITY OF CRYSTAL LAKE DETAILS I**  
 SCALE: N.T.S.  
 DATE: 08/17/09  
 DRAWN BY: MZD  
 CHECKED BY: MCD  
**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 205 N. MICHIGAN AVE. CHICAGO, IL 60601  
 TELEPHONE: 312/616-0000

ATT:BOB.V.DON  
 8-14-2009, 15:05:09  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63  
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F.A.U. R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	187
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



\AL\T00808.DGN, \AL\T00808.DGN, \NTBODY\_V.DGN, \VAL\T00808.DGN, \SCRO08X9.DGN, \ASCR008X9.DGN, \SCRO08X9.DGN, \S1\AMR\J  
 8-14-2009, 15:05:11  
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REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

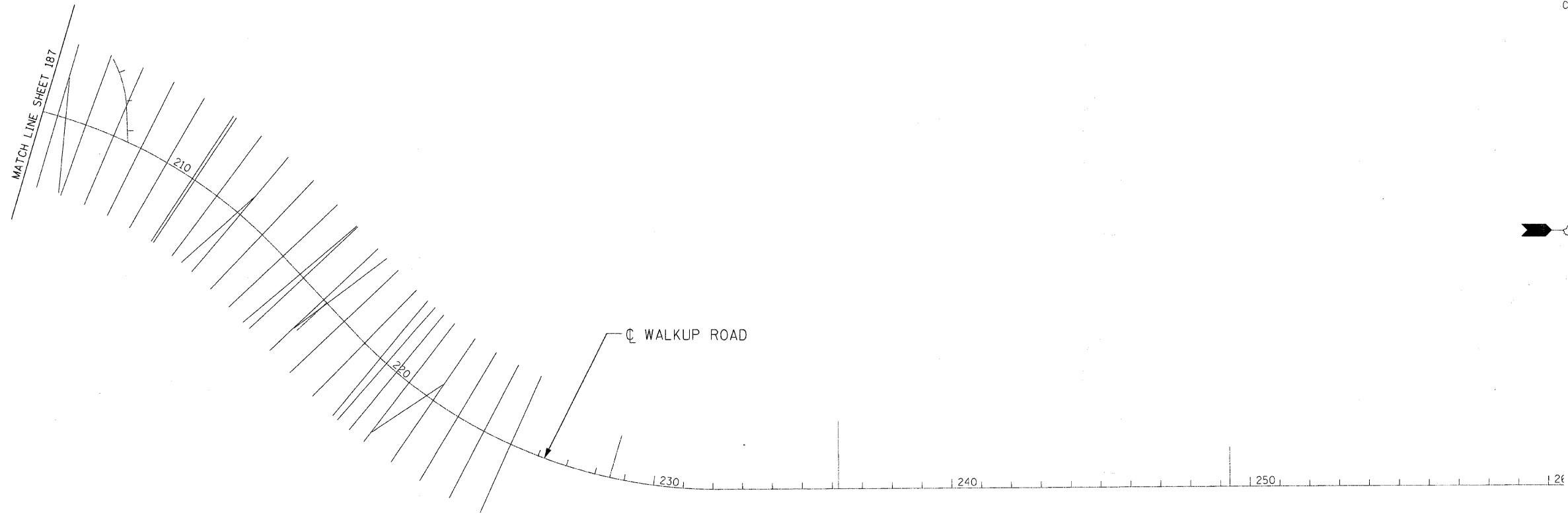
**CROSS-SECTION INDEX PLAN**  
I

SCALE: 1" = 200'  
DATE: 08/17/09

DRAWN BY: RJS  
CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
208 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

F.A.U.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	188
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63266				



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REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
WALKUP ROAD F.A.U. 0085

### CROSS-SECTION INDEX PLAN II

SCALE: 1" = 200'  
DATE: 08/17/09

DRAWN BY: RJS  
CHECKED BY: MCD

**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
225 N. MICHIGAN AVE., CHICAGO, IL 60601  
TELEPHONE: 312/616-0000

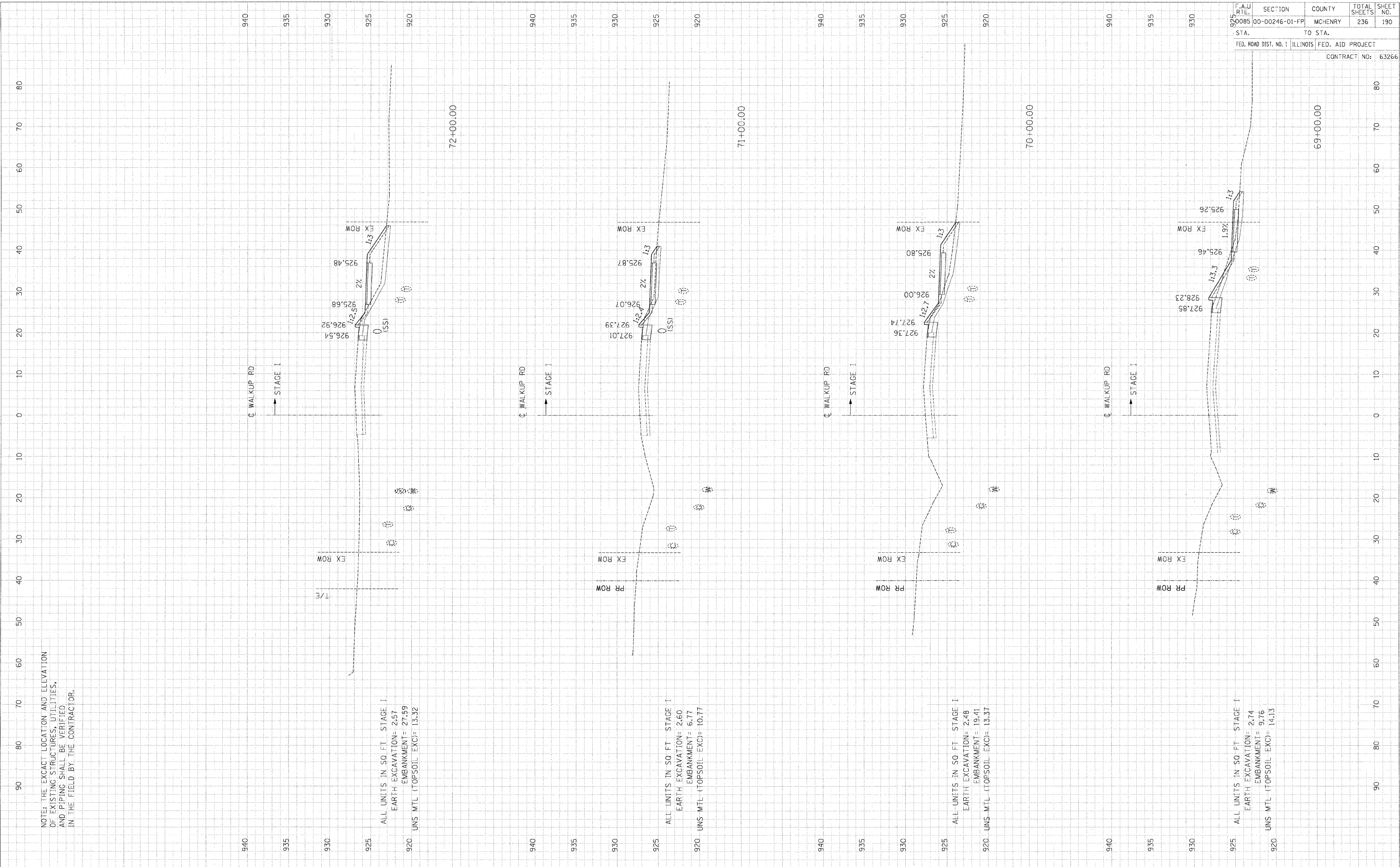


FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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

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NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.



ALL UNITS IN SQ. FT. STAGE I  
 EARTH EXCAVATION= 2.57  
 EMBANKMENT= 27.59  
 UNS MTL (TOPSOIL EXC)= 13.32

ALL UNITS IN SQ. FT. STAGE I  
 EARTH EXCAVATION= 2.60  
 EMBANKMENT= 6.77  
 UNS MTL (TOPSOIL EXC)= 10.77

ALL UNITS IN SQ. FT. STAGE I  
 EARTH EXCAVATION= 2.48  
 EMBANKMENT= 19.41  
 UNS MTL (TOPSOIL EXC)= 13.37

ALL UNITS IN SQ. FT. STAGE I  
 EARTH EXCAVATION= 2.74  
 EMBANKMENT= 9.76  
 UNS MTL (TOPSOIL EXC)= 14.13

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92085	00-00246-01-FP	MCHENRY	236	190
STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
			CONTRACT NO: 63266	



















ORIGINAL SURVEY	SURVEY	BY	DATE
NO. _____	NO. _____		
AREAS CHECKED	AREAS CHECKED		
TEMPLATES	TEMPLATES		
FINISHED	FINISHED		

ORIGINAL SURVEY	SURVEY	BY	DATE
NO. _____	NO. _____		
AREAS CHECKED	AREAS CHECKED		
TEMPLATES	TEMPLATES		
FINISHED	FINISHED		

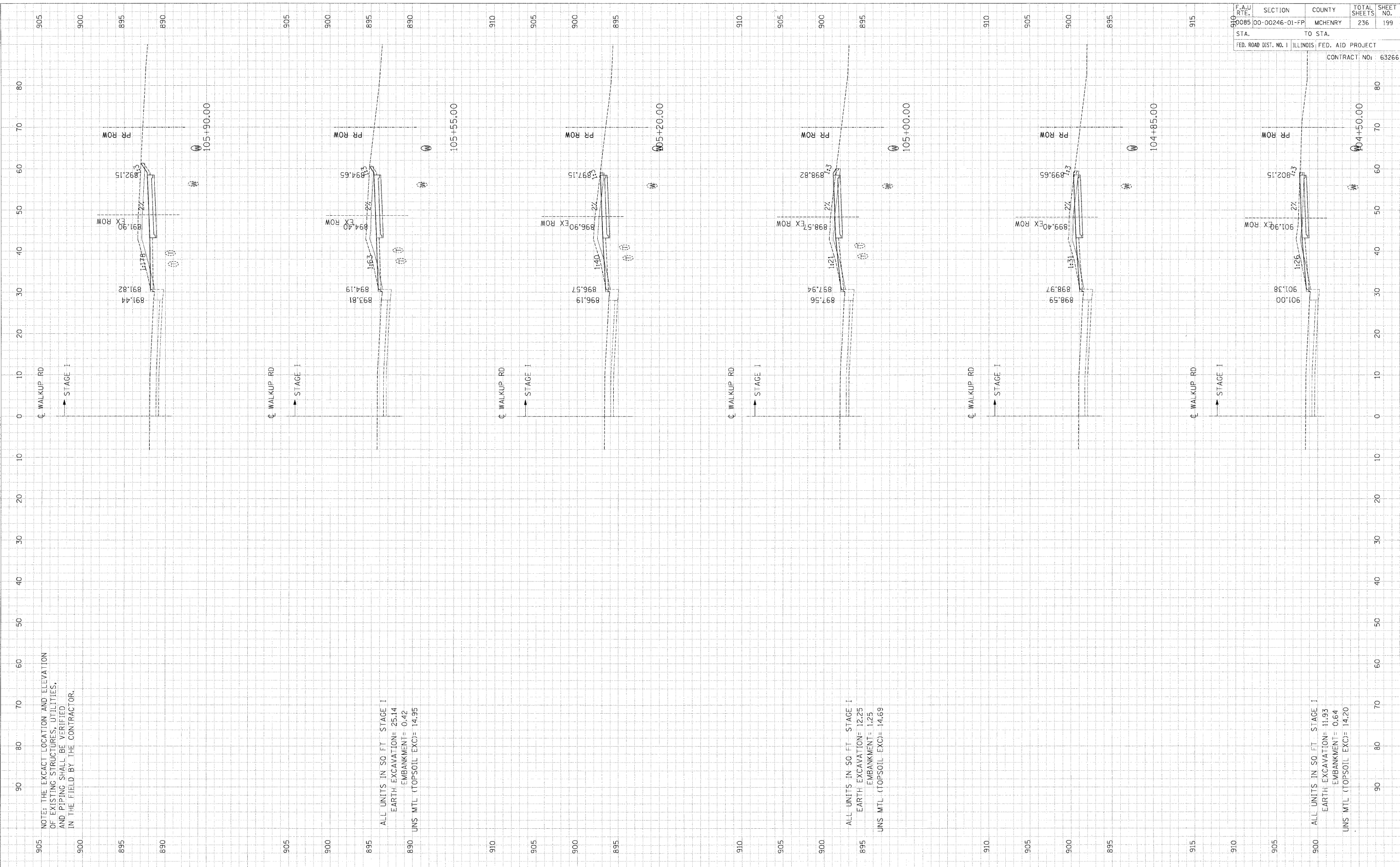
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905 NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

880 ALL UNITS IN SQ FT STAGE I  
EARTH EXCAVATION= 25.14  
EMBANKMENT= 0.42  
UNS MTL (TOPSOIL EXO)= 14.95

895 ALL UNITS IN SQ FT STAGE I  
EARTH EXCAVATION= 12.25  
EMBANKMENT= 1.25  
UNS MTL (TOPSOIL EXO)= 14.69

900 ALL UNITS IN SQ FT STAGE I  
EARTH EXCAVATION= 11.93  
EMBANKMENT= 0.64  
UNS MTL (TOPSOIL EXO)= 14.20



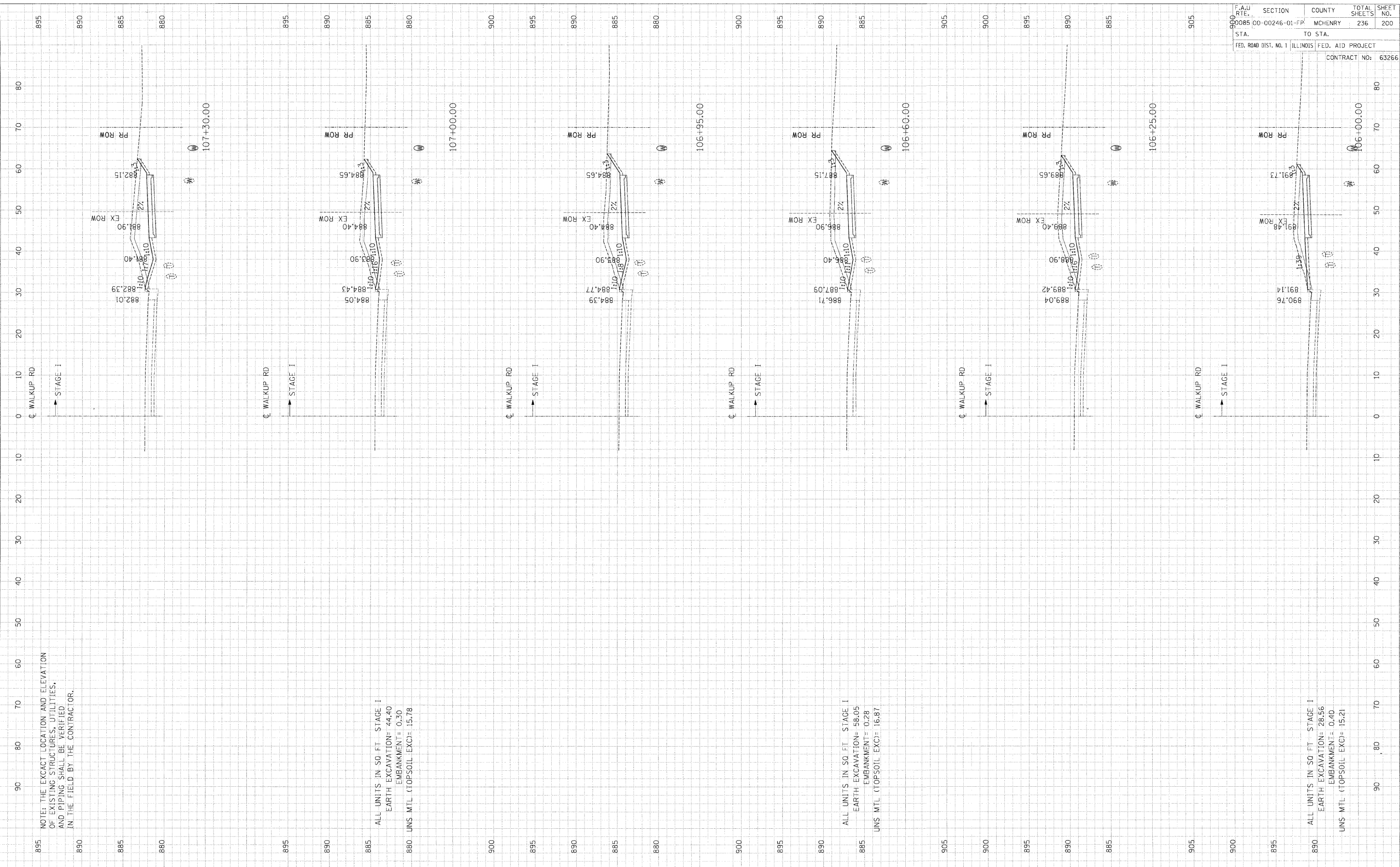
PROPOSED CROSS-SECTIONS: WALKUP ROAD



DATE	BY

DATE	BY

-\VALT0008.DGN, -\TPO008R.DGN, -\RDW008R.DGN, -\RDW008A.DGN, -\RDW008X.DGN, -\SGR008Y.DGN, -\SGR008Z.DGN, -\UTL008R.DGN, -\UTL008A.DGN, -\UTL008X.DGN, -\UTL008Y.DGN, -\UTL008Z.DGN, -\VSC008X.DGN, -\VSC008Y.DGN, -\VSC008Z.DGN  
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895 NOTE: THE EXACT LOCATION AND ELEVATION  
 OF EXISTING STRUCTURES, UTILITIES,  
 AND PIPING SHALL BE VERIFIED  
 IN THE FIELD BY THE CONTRACTOR.

880 ALL UNITS IN SO. FT. STAGE I  
 EARTH EXCAVATION= 44.40  
 EMBANKMENT= 0.30  
 UNS MTL (TOPSOIL EXC)= 15.78

885 ALL UNITS IN SO. FT. STAGE I  
 EARTH EXCAVATION= 58.05  
 EMBANKMENT= 0.28  
 UNS MTL (TOPSOIL EXC)= 16.87

880 ALL UNITS IN SO. FT. STAGE I  
 EARTH EXCAVATION= 28.56  
 EMBANKMENT= 0.40  
 UNS MTL (TOPSOIL EXC)= 15.21

F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00085	00-00246-01-FP	MCHENRY	236	200
STA.	TO STA.		FED. AID PROJECT	
000	ILLINOIS		CONTRACT NO: 63266	