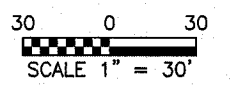


PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	G6R	DUPAGE	412	102
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

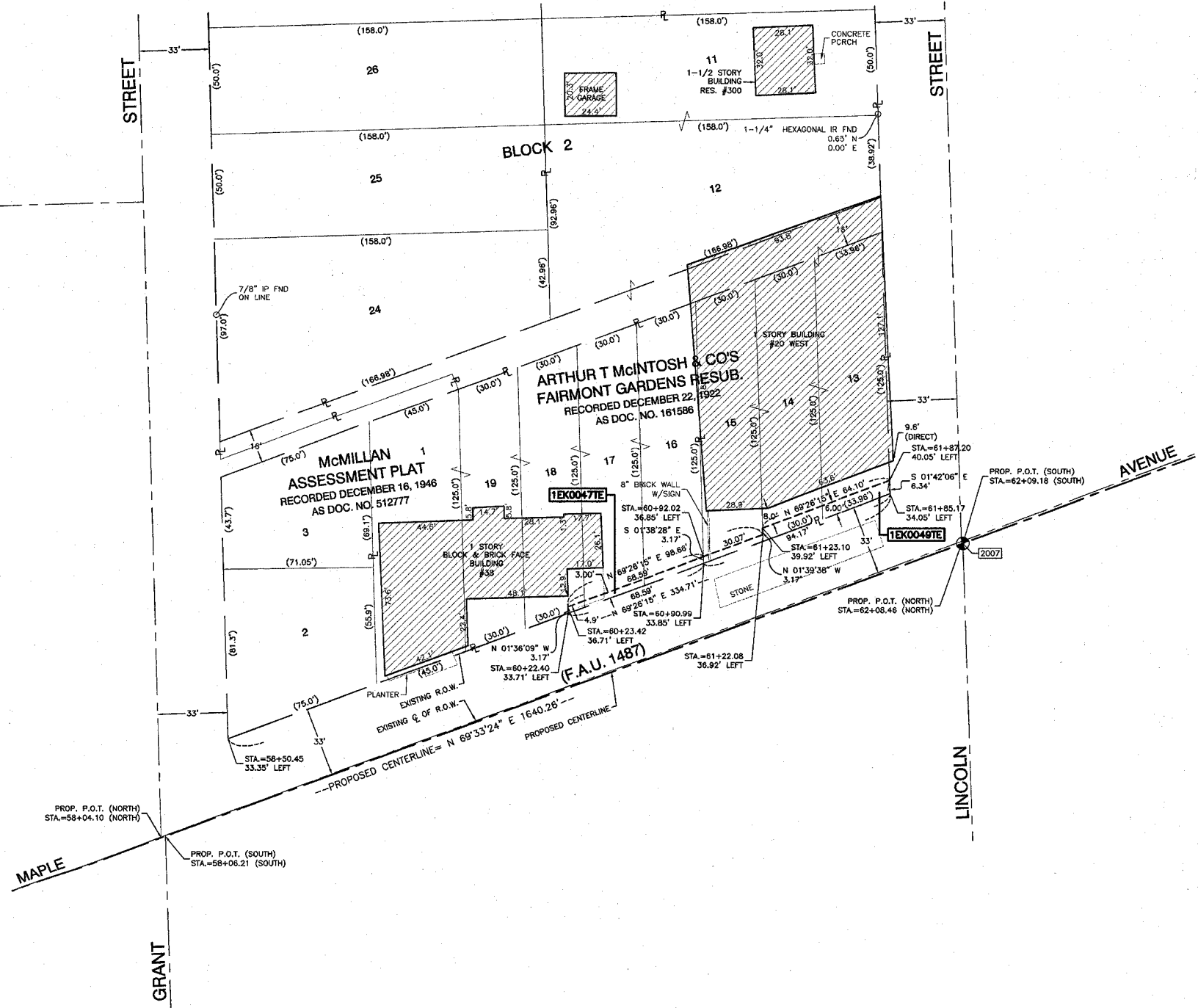
- SECTION CORNER
- QUARTER SECTION CORNER
- N
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- 129.32' MEASURED DIMENSION
- 129.32'(COMP.) COMPUTED DIMENSION
- () RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH
- T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY
- T3 COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET
- BT2 MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW
- BT3 GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS IDENTIFICATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



PARCEL NO.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	REMAINDER (ACRES)	PREVIOUS DEDICATION (ACRES)	EASEMENT (ACRES)	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
1EK00477E	LoSelle Bank National Association, as Trustee under the provisions of a Trust Agreement dated March 15, 2002 and known as Trust Number 128951	(0.450)	0.000	(0.450)	0.000	(0.005)	206 CONSTRUCTION	09-09-203-009 09-09-203-011 09-09-203-010 09-09-203-012	
1EK00497E	Downers Grove National Bank, as Trustee under the provisions of a Trust Agreement dated July 22, 1974 and known as Trust Number 74-88	(0.779)	0.000	(0.779)	0.000	(0.011)	CONSTRUCTION	09-09-203-007 09-09-203-014 09-09-203-008 09-09-203-015	

PROJECT GROUND COORDINATES FOR PROPOSED CENTERLINE

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
2006	STA.=54+02.48	0.00' LEFT	1870380.4350	1080658.4230
2007	STA.=62+09.18	0.00' LEFT	1870662.2029	1081414.3222



BY	DATE
MADE	
CHECKED	
INDEXED	
NOTEBOOK NO.	

STATE OF ILLINOIS }
COUNTY OF COOK } SS



THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

LATITUDE = 41°48'10.41480" NORTH
LONGITUDE = 87°58'23.80511" WEST
HEIGHT = 633.63 FEET

BEARING REFERENCE:
THE BEARINGS SHOWN HEREON ARE ILLINOIS STATE PLANE EASTERN ZONE BEARINGS.

ROBINSON ENGINEERING, LTD.
CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 351-9700 FAX (708) 331-0828
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1487 MAPLE AVENUE
CUMNOR ROAD TO DUPAGE COUNTY
ILLINOIS ROUTE 83 R-91-049-01
1EK00477E, 00497E
SCALE: 1"=30' SHEET A22 OF A33

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

PART OF SECTION 03, SECTION 09 AND SECTION 10, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	103
STA. 23+00.00 TO STA. 144+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

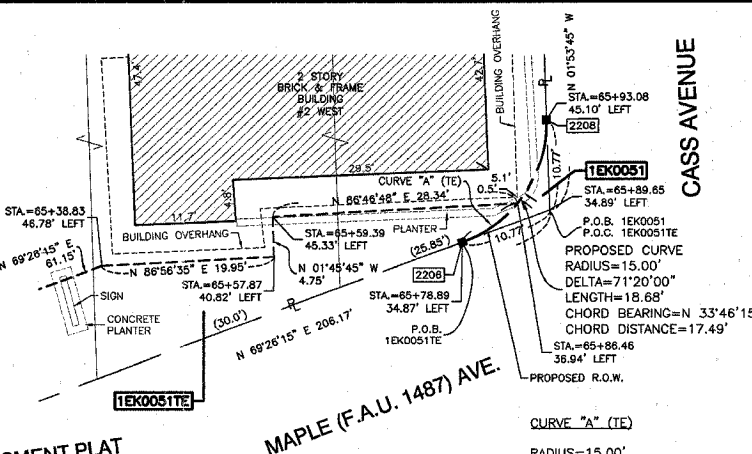
PARCEL NO.	OWNER	TOTAL HOLDING (ACRES) SQ. FEET	PART TAKEN (ACRES) SQ. FEET	REMAINDER (ACRES) SQ. FEET	PREVIOUS DEDICATION (ACRES) SQ. FEET	EASEMENT (ACRES) SQ. FEET	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
1EK0034DED	Center Bank - Glen Elyn, as Trustee under the provisions of a Trust Agreement dated June 5, 1984 and known as Trust Number 0124	(0.463)	(0.005)* 235	(0.463)	0.000	0.000		09-09-211-016	
1EK0036DED	Firstar Bank, Successor to DuPage Bank and Trust Company, as Trustee under Trust Agreement dated February 10, 1987 and known as Trust Number 3414	(0.811)	(0.006)* 243	(0.811)	0.000	0.000		09-10-100-001 09-10-100-002	
1EK0051 1EK0051TE	Harris Bank Naperville, Successor to Bank of Naperville, as Trustee under the provisions of a Trust Agreement dated March 4, 1976 and known as Trust Number 2304	(0.449)	0.000	(0.449)	0.000	(0.025)	CONSTRUCTION	09-09-204-007 09-09-204-008 09-09-204-009	09-09-204-010 09-09-204-012
1EK0053 1EK0053TE	First Midwest Bank, as Trustee, under the provisions of a Trust Agreement dated the 16th day of June, 2003 and known as Trust Number 6989	(0.549)	(0.139)	(0.410)	0.120	(0.048)	CONSTRUCTION	09-03-308-022	

PROJECT GROUND COORDINATES FOR PROPOSED R.O.W.

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
2206	STA=65+78.89	34.87' LEFT	1870824.0043	1081748.5632
2208	STA=65+93.08	45.10' LEFT	1870838.5449	1081758.2865
2209	STA=65+35.44	31.22' RIGHT	1870746.9030	1081730.9418
2211	STA=65+57.30	61.54' RIGHT	1870726.1293	1081762.0075
2212	STA=66+25.59	65.50' RIGHT	1870746.2705	1081827.3770
2214	STA=66+73.86	31.10' RIGHT	1870794.8763	1081860.1584
2215	STA=66+67.86	63.58' LEFT	1870882.1213	1081822.8803
2216	STA=67+15.64	35.94 LEFT	1870871.7920	1081878.2678
2217	STA=66+13.35	42.20' LEFT	1870908.1745	1081972.1712

PROJECT GROUND COORDINATES FOR PROPOSED CENTERLINE

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
2007	STA=62+09.18	0.00' LEFT	1870662.2029	1081414.3222
2008	STA=66+40.26	0.00' LEFT	1870812.7695	1081818.2477
2010	STA=72+30.51	0.00' LEFT	1870926.1217	1082394.8586



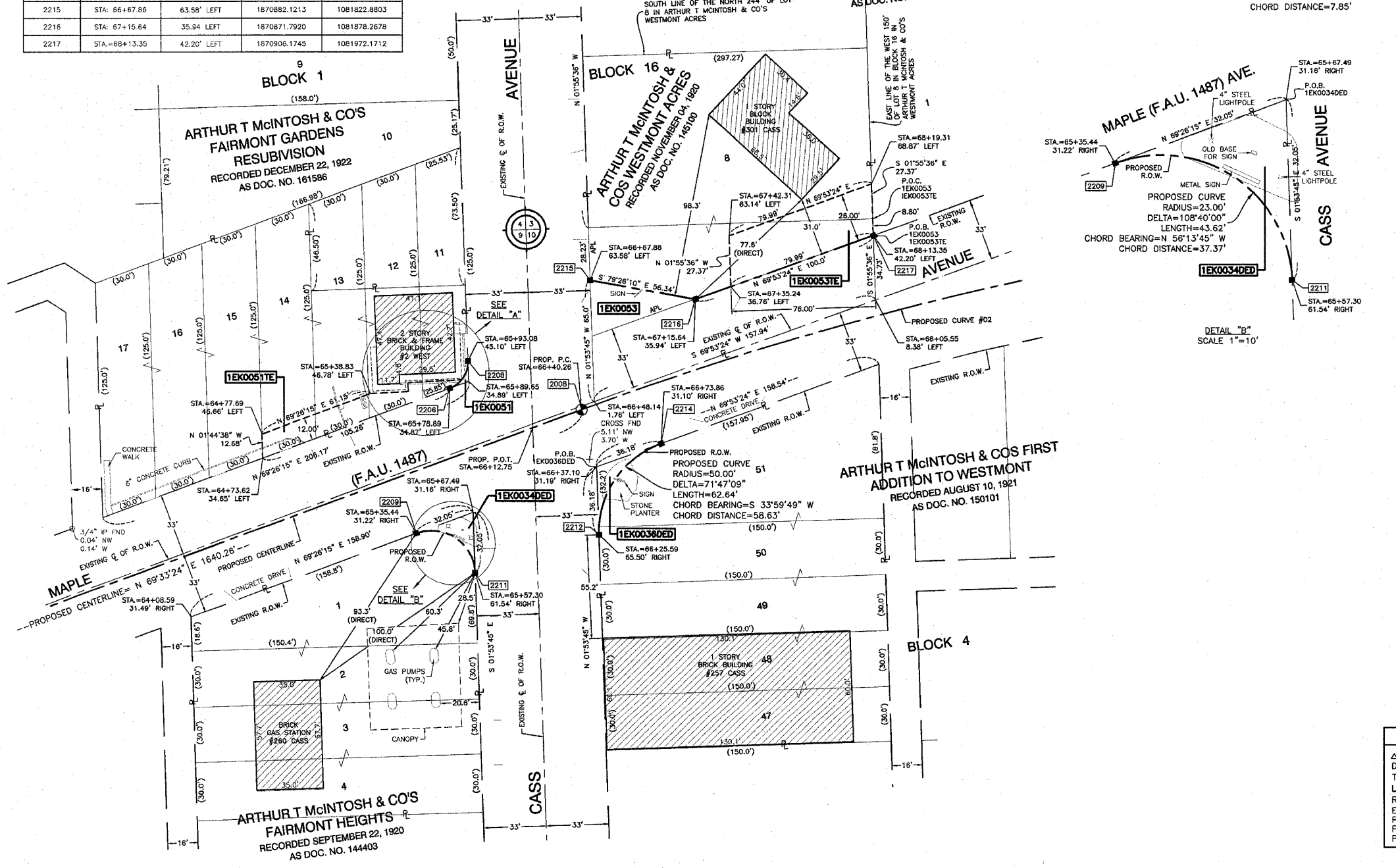
LEGEND

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

IRON PIPE OR ROD FOUND REPLACED AFTER CONSTRUCTION
 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 T1, T2, T3 COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
 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 BT1, BT2, BT3 GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS IDENTIFICATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
 RIGHT OF WAY STAKING PROPOSED TO BE SET.
 5/8 INCH IRON ROD W/O CAP

SCALE 1" = 30'

DATE	
BY	
MADE	
CHECKED	
INVEST	
NO. 1	
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NO. 3	
NO. 4	
NO. 5	
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NO. 95	
NO. 96	
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NO. 98	
NO. 99	
NO. 100	



THIS IS TO CERTIFY THAT I, RANDALL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 03, SECTION 09 AND SECTION 10, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
 THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:
 LATITUDE = 41°48'10.41460" NORTH
 LONGITUDE = 87°58'23.80511" WEST
 HEIGHT = 633.63 FEET

BEARING REFERENCE:
 THE BEARINGS SHOWN HEREON ARE ILLINOIS STATE PLANE EASTERN ZONE BEARINGS.

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 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 331-6700 FAX (708) 331-8828
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

CURVE DATA TABLE

PROPOSED CURVE NO. 02	
Δ	18°38'36.84"
D	03°09'31"
T	297.756'
L	590.249'
R	1813.960'
E.C.	24.275'
P.C. STA.	66+40.26
P.T. STA.	72+30.51
P.I. STA.	69+38.02

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 1EK0034DED, 0036DED, 0051, 0051TE, 0053, 0053TE
 SCALE: 1"=30' SHEET A23 OF A33

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

PART OF SECTION 10, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	105
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PARCEL NO.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	REMAINDER (ACRES)	PREVIOUS DEDICATION (ACRES)	EASEMENT (ACRES)	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
1EK0055TE	La Grange Bank & Trust Company, as Trustee, under the provisions of a Trust Agreement dated the 5th day of February, 1986 and known as Trust Number 8271	(0.172)	(0.000)	(0.172)	0.000	(0.048)	CONSTRUCTION	09-03-311-001	
1EK0057TE	Downers Grove National Bank, as Trustee under the provisions of a Trust Agreement dated the 23rd day of March, 1988 and known as Trust Number 88-52	(0.248)	(0.000)	(0.248)	0.000	(0.048)	CONSTRUCTION	09-03-311-002	
1EK0059TE	Mariene Richardson, an undivided 25% interest, Nancy C. Gilson, an undivided 25% interest, Karen M. Vinicki, an undivided 25% interest, and Thomas J. Bendo, as Trustee for John F. Pralster, an undivided 25% interest.	(0.324)	(0.000)	(0.324)	0.000	(0.048)	CONSTRUCTION	09-03-311-003	
1EK0061TE	Chicago Avenue Properties, L.L.C., a limited liability company of Illinois	(0.200)	(0.000)	(0.200)	0.000	(0.048)	CONSTRUCTION	09-03-311-006	

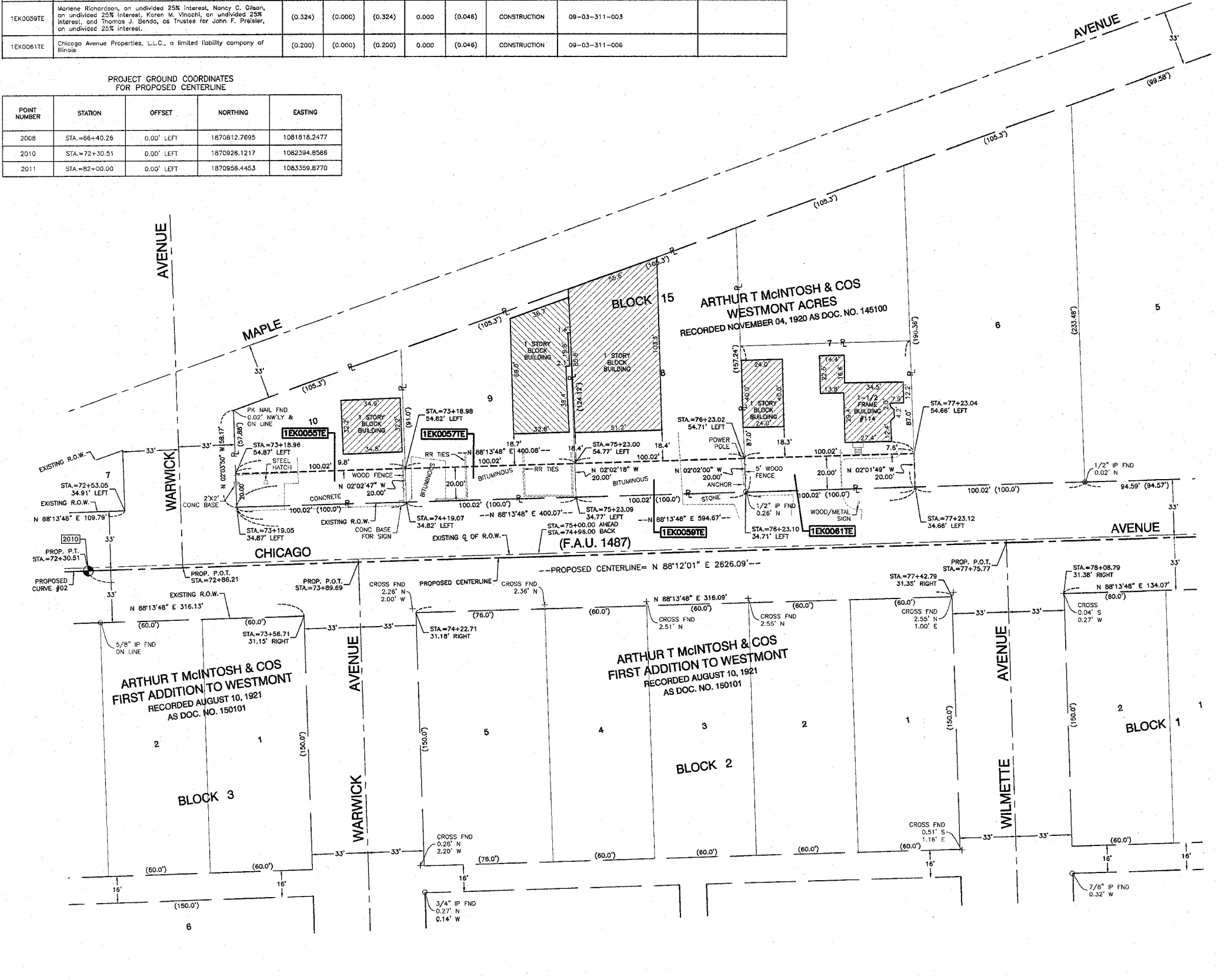
PROJECT GROUND COORDINATES FOR PROPOSED CENTERLINE

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
2008	STA.=66+40.26	0.00' LEFT	1870812.7695	1081818.2477
2010	STA.=72+30.51	0.00' LEFT	1870926.1217	1082394.8586
2011	STA.=82+00.00	0.00' LEFT	1870956.4453	1083359.8770

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
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- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR 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 IDENTIFICATION NUMBER.
- T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP

SCALE 1" = 30'



DATE	
BY	
MADE	
CHECKED	
INVEST	
NO. OF	
R.O.W. PLAT	
NOTEBOOK	
NO.	

STATE OF ILLINOIS)
 COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
 THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

LATITUDE = 41°48'10.41460" NORTH
 LONGITUDE = 87°58'23.80511" WEST
 HEIGHT = 633.63 FEET

BEARING REFERENCE:
 THE BEARINGS SHOWN HEREON ARE ILLINOIS STATE PLANE EASTERN ZONE BEARINGS.

CURVE DATA TABLE

PROPOSED CURVE NO. 02	
Δ	18°38'36.84"
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L	590.249'
R	1813.960'
E	24.275'
P.C. STA.	66+40.26
P.T. STA.	72+30.51
P.I. STA.	69+38.02

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 (708) 331-6700 FAX (708) 331-3826
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 1EK0055TE, 0057TE, 0059TE, 0061TE
 SCALE: 1"=30' SHEET A25 OF A33

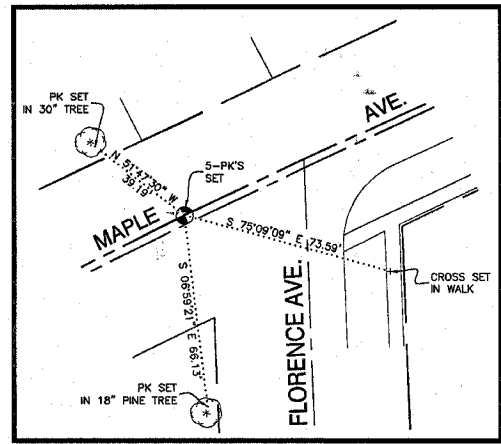
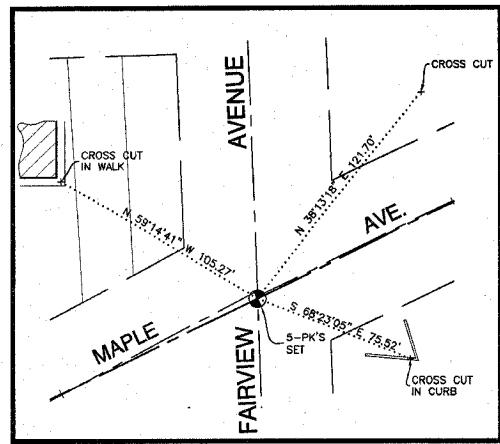
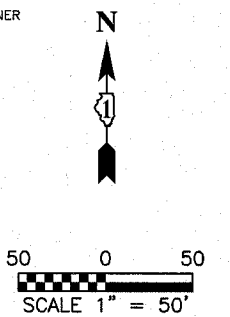
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	GGR	DUPAGE	9/2	106
STA. 23+00.00 TO STA. 144+00.00				
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	

LEGEND

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



POINT NUMBER 2000
 STATION: 10+00.18 OFFSET: 0.00' LEFT
 NORTHING: 1868754.6527 EASTING: 1076575.2094

POINT NUMBER 2001
 STATION: 18+34.28 OFFSET: 0.00' LEFT
 NORTHING: 1869119.4143 EASTING: 1077325.3227



- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR 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 IDENTIFICATION NUMBER.
- T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- T3 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION 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 IDENTIFICATION NUMBER.
- BT2 IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- BT3 GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS IDENTIFICATION 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 IDENTIFICATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



STATE OF ILLINOIS }
 COUNTY OF COOK } SS

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
 THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

LATITUDE = 41°48'10.41460" NORTH
 LONGITUDE = 87°58'23.80511" WEST
 HEIGHT = 633.63 FEET

BEARING REFERENCE:
 THE BEARINGS SHOWN HEREON ARE ILLINOIS STATE PLANE EASTERN ZONE BEARINGS.

ROBINSON ENGINEERING, LTD.
 CONSULTING REGISTERED PROFESSIONAL ENGINEERS
 AND PROFESSIONAL LAND SURVEYORS
 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 381-6700 FAX (708) 381-2828
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001126

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 STA. 10+00.18 TO STA. 19+25.00
 SCALE: 1"=50' SHEET A26 OF A33

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

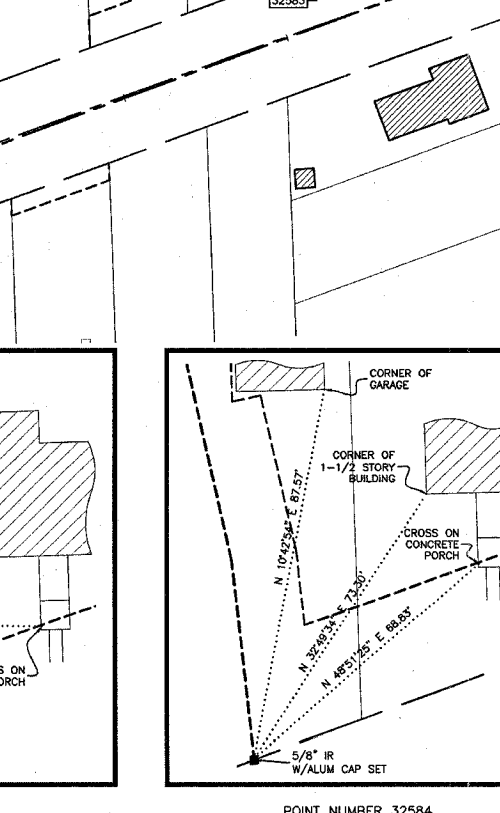
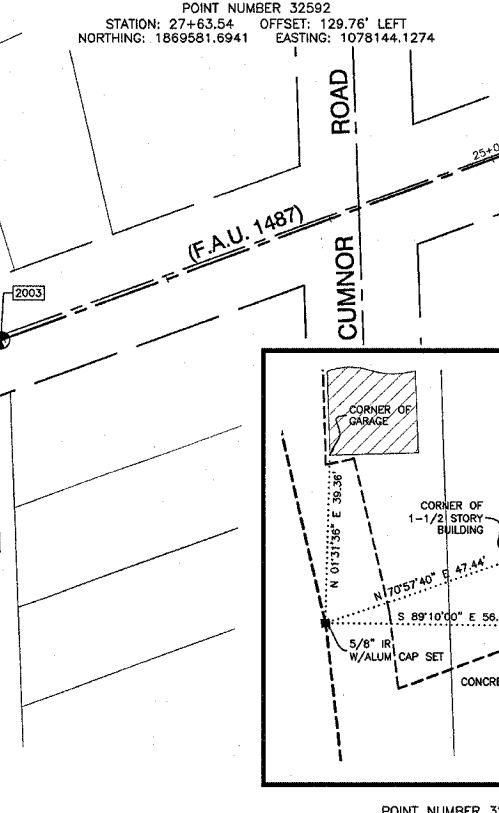
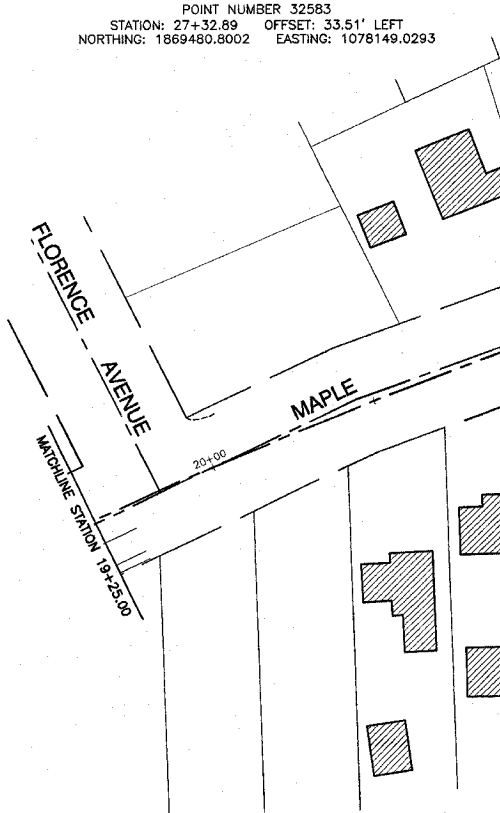
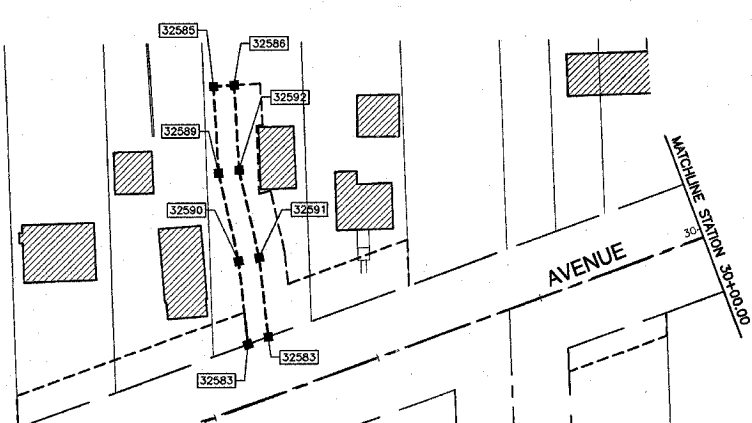
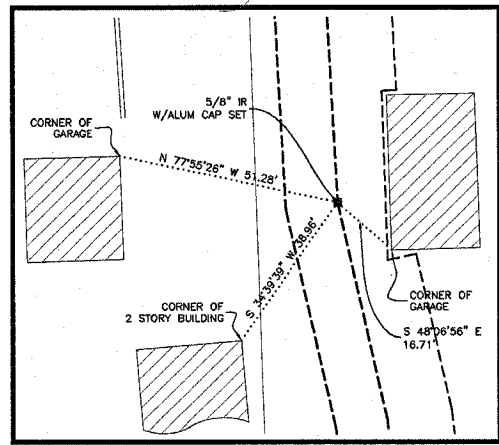
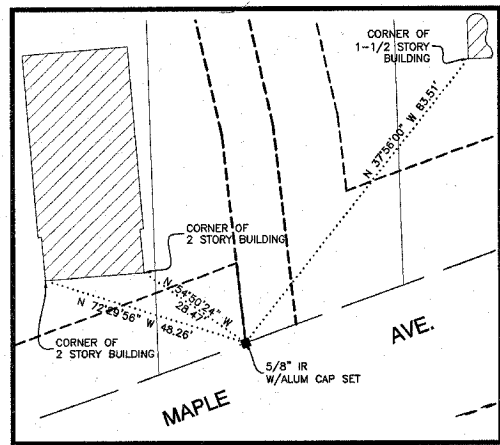
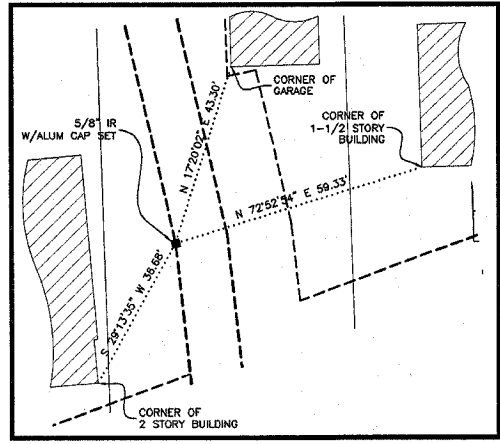
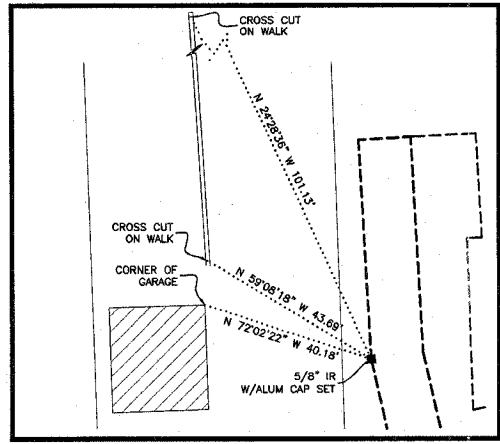
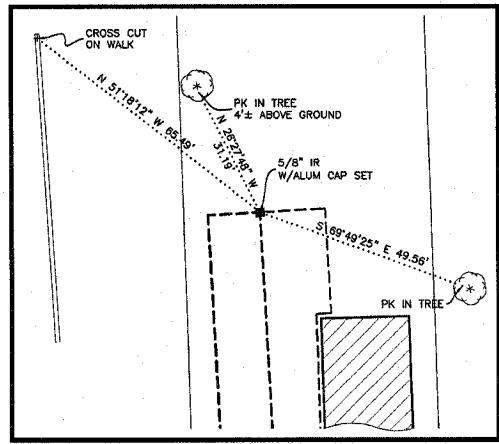
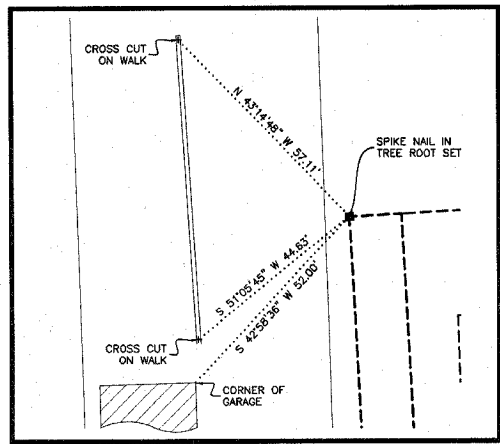
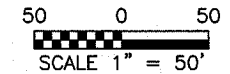
BY	DATE
MADE	
CHECKED	
FIELD	
NOTEBOOK NO.	

PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	G6R	DUPAGE	412	107
STA. 23+00.00 TO STA. 144+00.00		ILLINOIS FED. AID PROJECT		

LEGEND

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



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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 IDENTIFICATION NUMBER.
- T2
- T3
- B11 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 IDENTIFICATION NUMBER.
- B12
- B13
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS IDENTIFICATION 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 IDENTIFICATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



STATE OF ILLINOIS }
COUNTY OF COOK } SS

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE SURVEY 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 SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003
ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

LATITUDE = 41°48'10.41460" NORTH
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HEIGHT = 633.63 FEET

BEARING REFERENCE:
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AND PROFESSIONAL LAND SURVEYORS
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-6700 FAX (708) 331-3828
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001126

CURVE DATA TABLE

PROPOSED CURVE NO. 01	
Δ	5°29'21.00"
D	1'30'33.00"
T	181.99'
L	363.71'
R	3796.39'
E	4.36'
P.C. STA.	18+34.28
P.T. STA.	21+97.99
P.L. STA.	20+16.27

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1487 MAPLE AVENUE
CUMNOR ROAD TO DUPAGE COUNTY
ILLINOIS ROUTE 83 R-91-049-01
STA. 19+25.00 TO STA. 30+00.00
SCALE: 1"=50' SHEET A27 OF A33

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

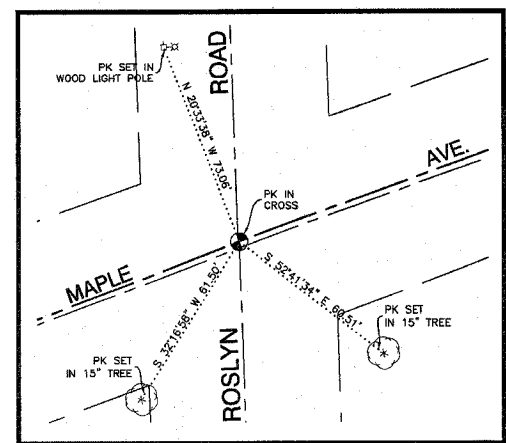
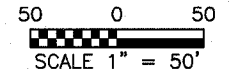
DATE	
BY	
MADE	
CHECKED	
INDEXED	
NOTED	
NO.	

PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

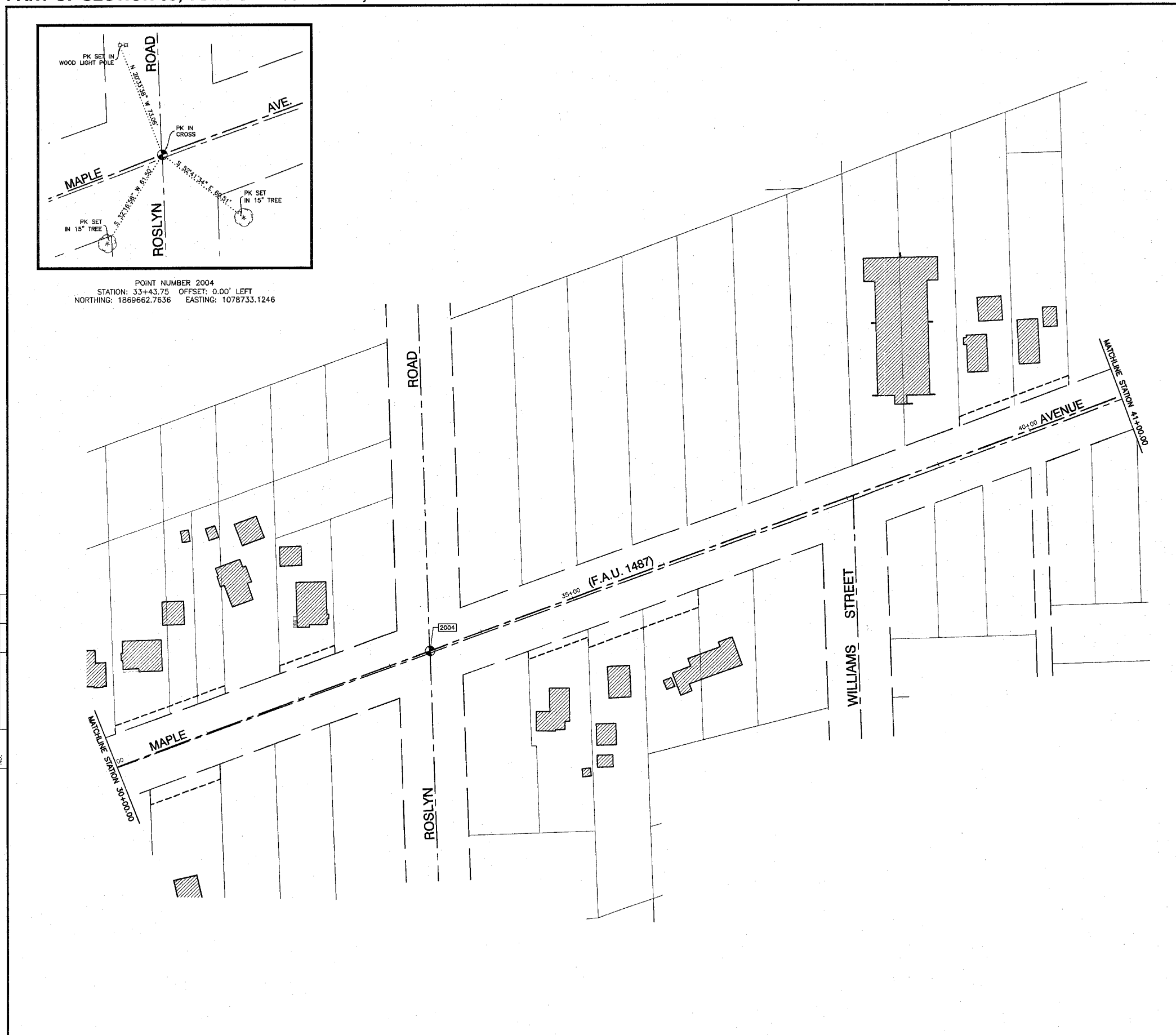
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	4/2	10B
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH
- T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY
- T3 COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET
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- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



POINT NUMBER 2004
 STATION: 33+43.75 OFFSET: 0.00' LEFT
 NORTHING: 1869662.7636 EASTING: 1078733.1246



DATE	BY	MADE	CHECKED	INKED
ROW PLAT				
NOTEBOOK				
NO.				



STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
 THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

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 (708) 351-8700 FAX (708) 351-3928
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 STA. 30+00.00 TO STA. 41+00.00
 SCALE: 1"=50' SHEET A2B OF A33

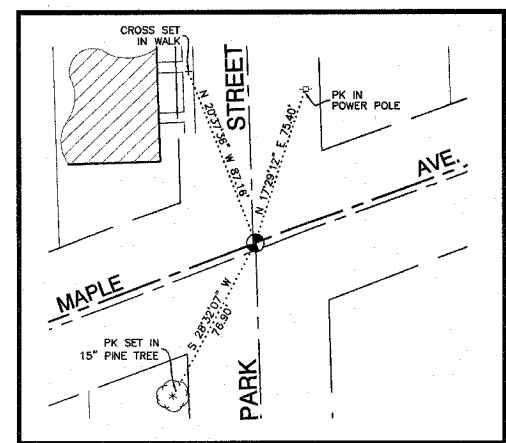
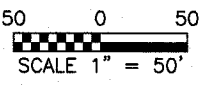
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

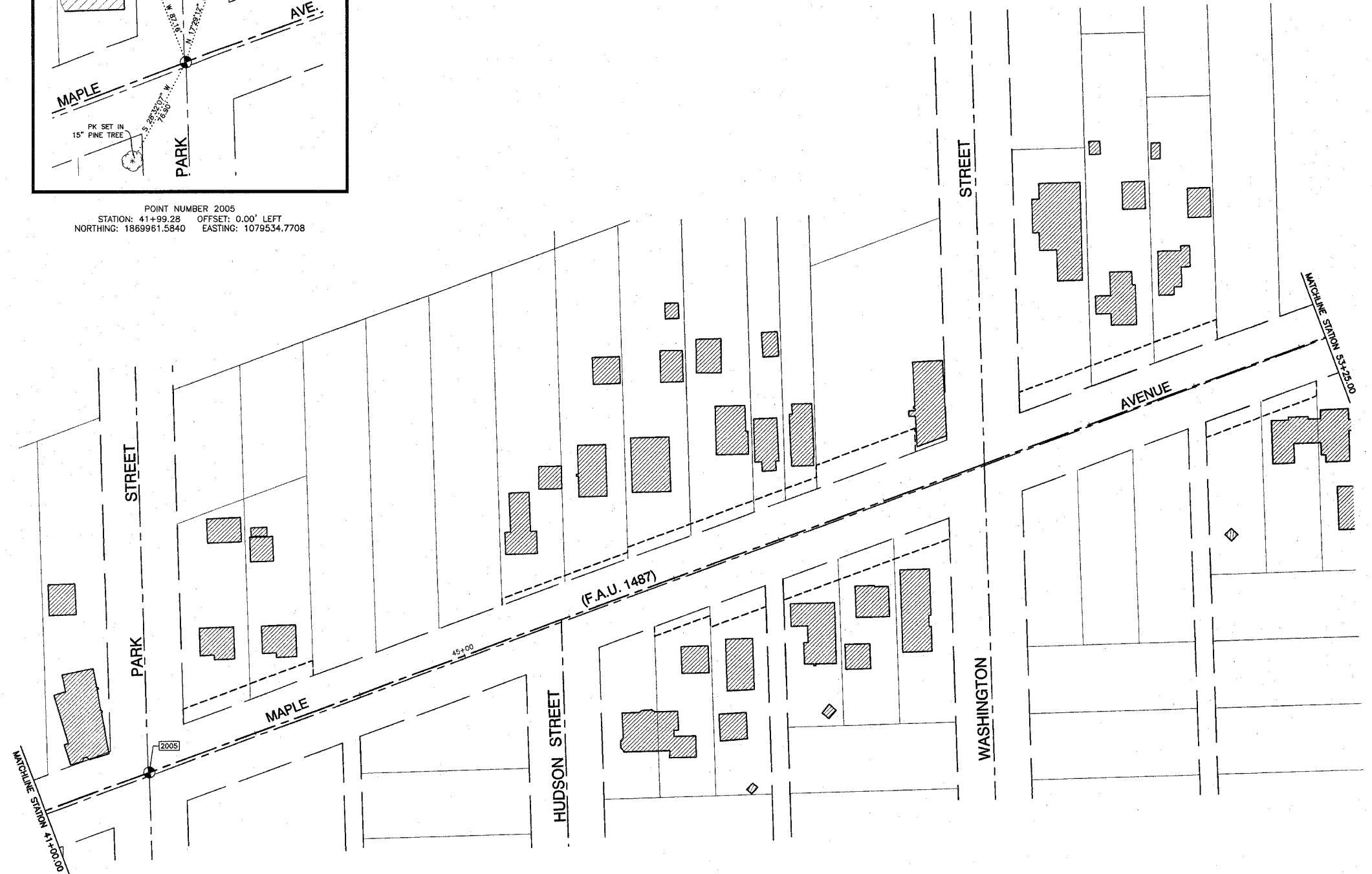
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	109
STA. 23+00.00 TO STA. 144+00.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

LEGEND

SECTION CORNER
 QUARTER SECTION CORNER
 SECTION LINE
 QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT LINE
 129.32' MEASURED DIMENSION
 129.32'(COMP.) COMPUTED DIMENSION
 () RECORD DATA
 EXISTING BUILDING



POINT NUMBER 2005
 STATION: 41+99.28 OFFSET: 0.00' LEFT
 NORTHING: 1869961.5840 EASTING: 1079534.7708



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH
- T2 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY
- T3 COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

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 (708) 381-6700 FAX (708) 381-9526
 ILLINOIS DESIGN FIRM REGISTRATION NO. 18400128.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 STA. 41+00.00 TO STA. 53+25.00
 SCALE: 1"=50' SHEET A29 OF A33

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

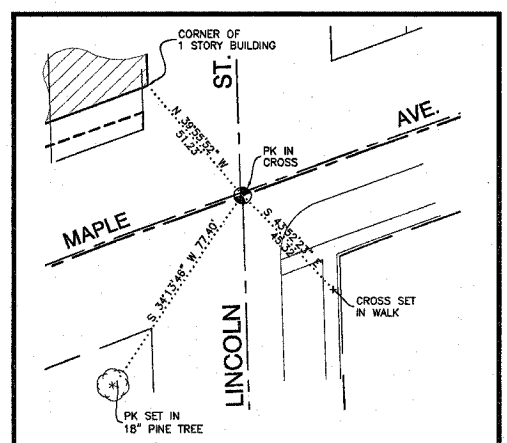
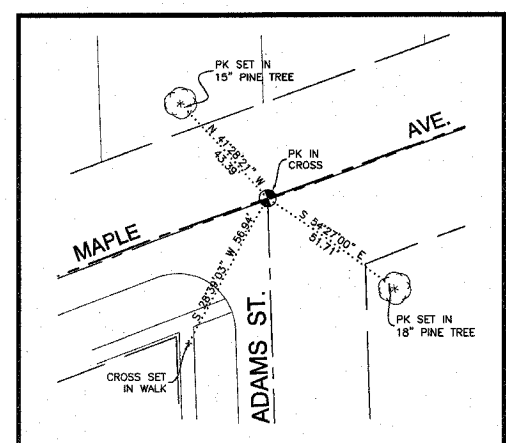
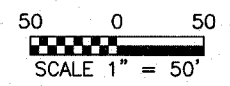
DATE	
BY	
MADE	
CHECKED	
INKEED	
NO. OF	
NOTES	

PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	G&R	DUPAGE	412	110
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- 129.32' MEASURED DIMENSION
- 129.32'(COMP.) COMPUTED DIMENSION
- () RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH
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- BT2 MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW
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- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



POINT NUMBER 2006
 STATION: 54+02.48 OFFSET: 0.00' LEFT
 NORTHING: 1870380.4350 EASTING: 1080658.4230

POINT NUMBER 2007
 STATION: 62+09.18 OFFSET: 0.00' LEFT
 NORTHING: 1870662.2029 EASTING: 1081414.3222



DATE	BY	MADE	CHECKED	INCH

STATE OF ILLINOIS }
 COUNTY OF COOK } SS



THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
 THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

LATITUDE = 41°48'10.41460" NORTH
 LONGITUDE = 87°58'23.80511" WEST
 HEIGHT = 633.63 FEET

BEARING REFERENCE:
 THE BEARINGS SHOWN HEREON ARE ILLINOIS STATE PLANE EASTERN ZONE BEARINGS.

ROBINSON ENGINEERING, LTD.
 CONSULTING REGISTERED PROFESSIONAL ENGINEERS
 AND PROFESSIONAL LAND SURVEYORS
 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 331-6700 FAX (708) 331-3826
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 STA. 53+25.00 TO STA. 65+00.00
 SCALE: 1"=50' SHEET A30 OF A33

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

PART OF SECTION 10 AND SECTION 3, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	G6R	DUPAGE	412	111
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

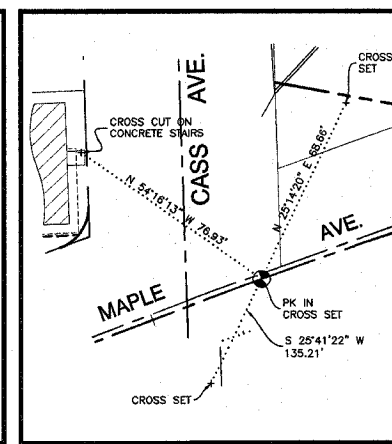
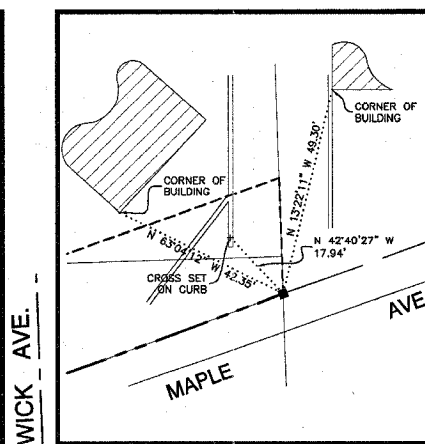
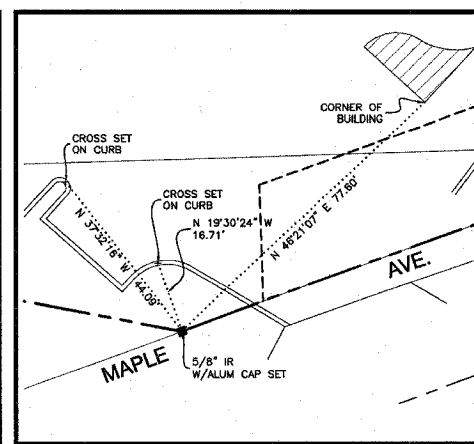
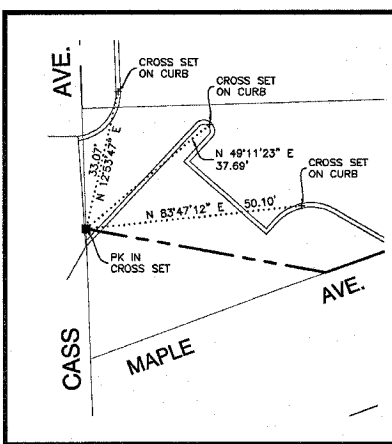
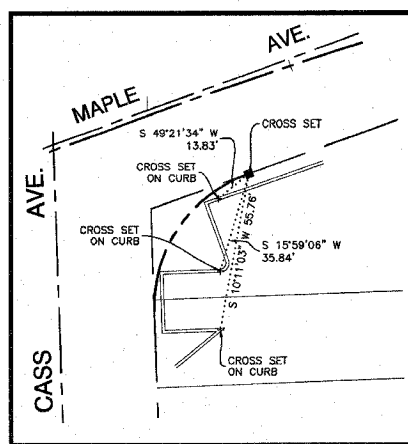
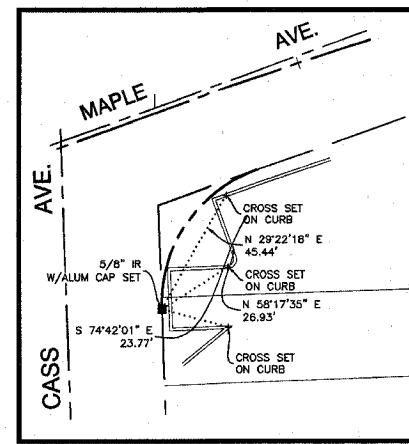
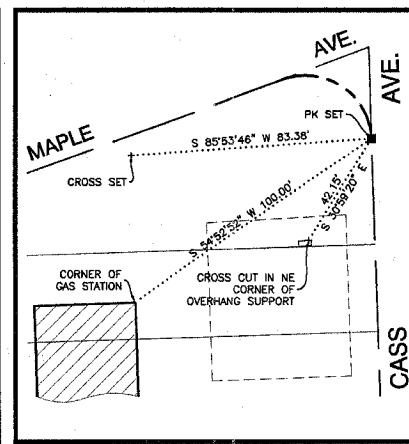
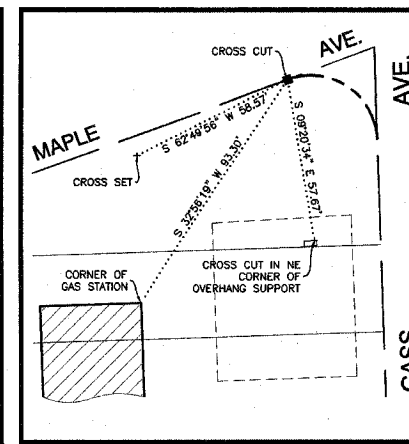
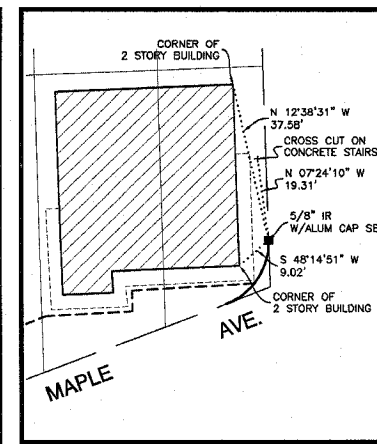
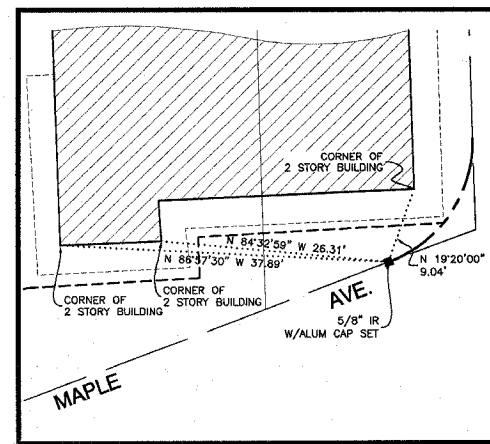
LEGEND

SECTION CORNER
QUARTER SECTION CORNER

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

129.32'
129.32'(COMP.)
()

50 0 50
SCALE 1" = 50'



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + 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 IDENTIFICATION NUMBER.
- T2 IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS IDENTIFICATION NUMBER.
- T3 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 IDENTIFICATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS IDENTIFICATION 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 IDENTIFICATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



STATE OF ILLINOIS }
COUNTY OF COOK } SS

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10 AND SECTION 3, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

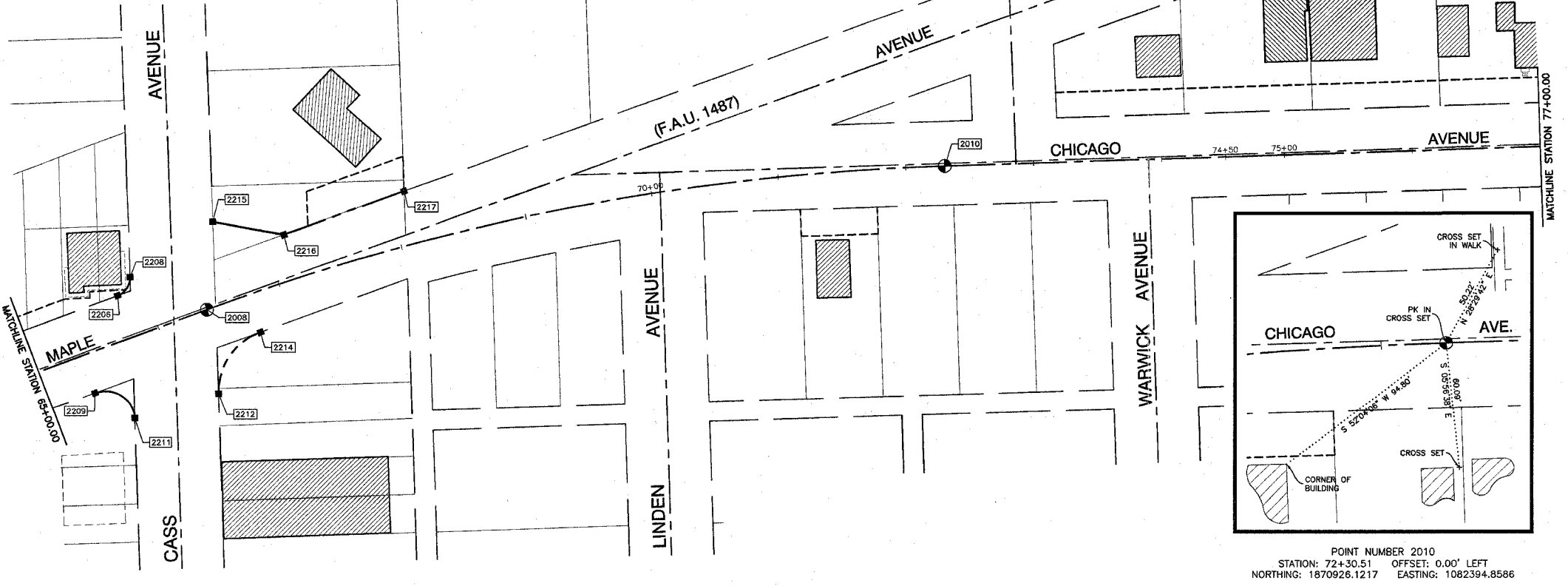
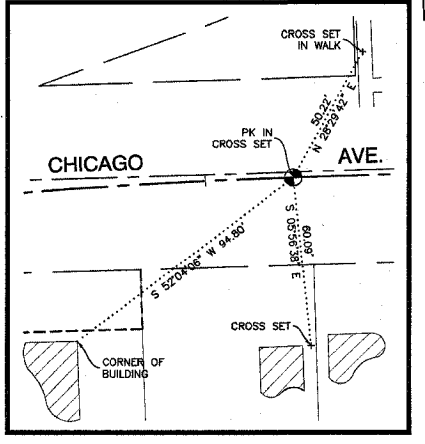
LATITUDE = 41°48'10.41460" NORTH
LONGITUDE = 87°58'23.80511" WEST
HEIGHT = 633.63 FEET

BEARING REFERENCE:
THE BEARINGS SHOWN HEREON ARE ILLINOIS STATE PLANE EASTERN ZONE BEARINGS.

ROBINSON ENGINEERING, LTD.
CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-8700 FAX (708) 331-3828
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. 1487 MAPLE AVENUE
CUMNOR ROAD TO ILLINOIS ROUTE 83 DUPAGE COUNTY
R-91-049-01
STA. 65+00.00 TO STA. 77+00.00
SCALE: 1"=50' SHEET A31 OF A33



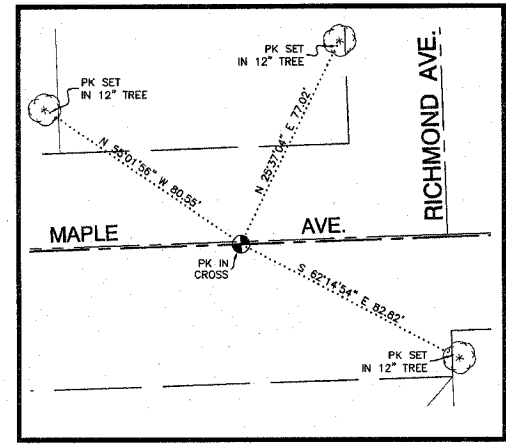
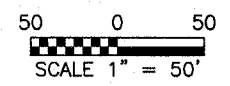
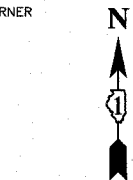
DATE	BY
MADE	
CHECKED	
INKEED	
NOTED	
NO. 1	

PART OF SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	GGR	DUPAGE	4/2	113
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- 129.32' MEASURED DIMENSION
- 129.32'(COMP.) COMPUTED DIMENSION
- () RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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 IDENTIFICATION 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 IDENTIFICATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS IDENTIFICATION 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 IDENTIFICATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- 5/8 INCH IRON ROD W/O CAP



POINT NUMBER 2012
 STATION: 92+00.00 OFFSET: 0.00' LEFT
 NORTHING: 1870987.8526 EASTING: 1084359.3837



DATE	
BY	
MADE	
CHECKED	
IN	
NO.	



STATE OF ILLINOIS)
 COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 09, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 8TH DAY OF APRIL, 2003

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241

COORDINATE ORIGIN:
 THE COORDINATE VALUES SHOWN HEREON ARE ESTIMATED ILLINOIS STATE PLANE EASTERN ZONE U.S. SURVEY FEET GROUND COORDINATES. THE ESTIMATED GROUND COORDINATES ARE BASED UPON AN AVERAGE PROJECT LOCATION HAVING THE FOLLOWING WGS '84 LATITUDE, LONGITUDE, AND HEIGHT:

LATITUDE = 41°48'10.41460" NORTH
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 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 331-8700 FAX (708) 331-3826
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1487 MAPLE AVENUE
 CUMNOR ROAD TO DUPAGE COUNTY
 ILLINOIS ROUTE 83 R-91-049-01
 STA. 88+00.00 TO STA. 92+71.57
 SCALE: 1"=50' SHEET A33 OF A33

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

PART OF THE NE 1/4 OF SECTION 10 AND PART OF THE SE 1/4 OF SECTION 3, T38N, R11 EAST OF THE 3rd PM, DUPAGE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	112	114
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

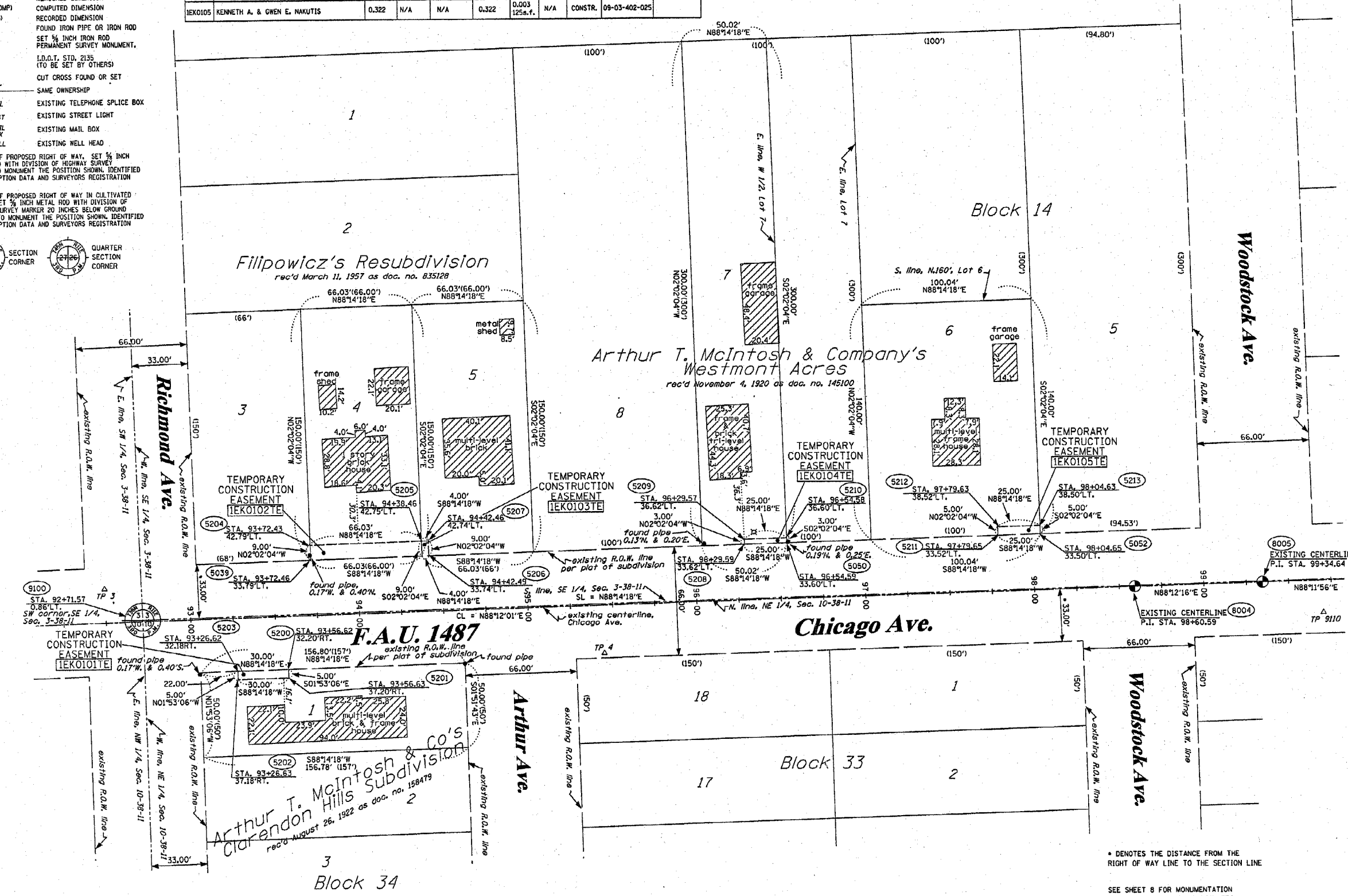
LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/2 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.O.I. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

- STAKING OF PROPOSED RIGHT OF WAY, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY 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, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EK0101	BOGUSLAWA & JACEK SAMSON	0.180	N/A	N/A	0.180	0.003	1508.4	N/A	CONSTR.	09-10-200-001
1EK0102	BOGUSLAWA SAMSON	0.227	N/A	N/A	0.227	0.014	N/A	CONSTR.	09-03-402-020	
1EK0103	JUDITH J. WERNER	0.227	N/A	N/A	0.227	0.001	366.4	N/A	CONSTR.	09-03-402-021
1EK0104	DERRILL R. RUBIDGE	0.345	N/A	N/A	0.345	0.002	758.4	N/A	CONSTR.	09-03-402-023
1EK0105	KENNETH A. & GWEN E. NAKUTIS	0.322	N/A	N/A	0.322	0.003	1258.4	N/A	CONSTR.	09-03-402-025



SEE CONTINUATION ON SHEET 2

STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 & 10, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

RECEIVED
 FEB 08 2005
 PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Lead Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
 2174 ONEIDA STREET
 JOLIET, ILLINOIS 60435
 PH (815) 744-6600 FAX (815) 744-0101 PH (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 1487 (MAPLE/CHICAGO AVE.)
 DUPAGE COUNTY
 JOB NO. R-91-049-01
 STATION 92+50 TO STATION 99+75

SHEET 1 OF 8
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHAMLURG, ILLINOIS 60196

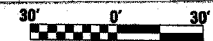
* DENOTES THE DISTANCE FROM THE RIGHT OF WAY LINE TO THE SECTION LINE
 SEE SHEET 8 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

PART OF THE SE 1/4 OF SECTION 3 AND PART OF THE NE 1/4 OF SECTION 10, T38N, R11 EAST OF THE 3rd PM, DUPAGE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	112	115
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

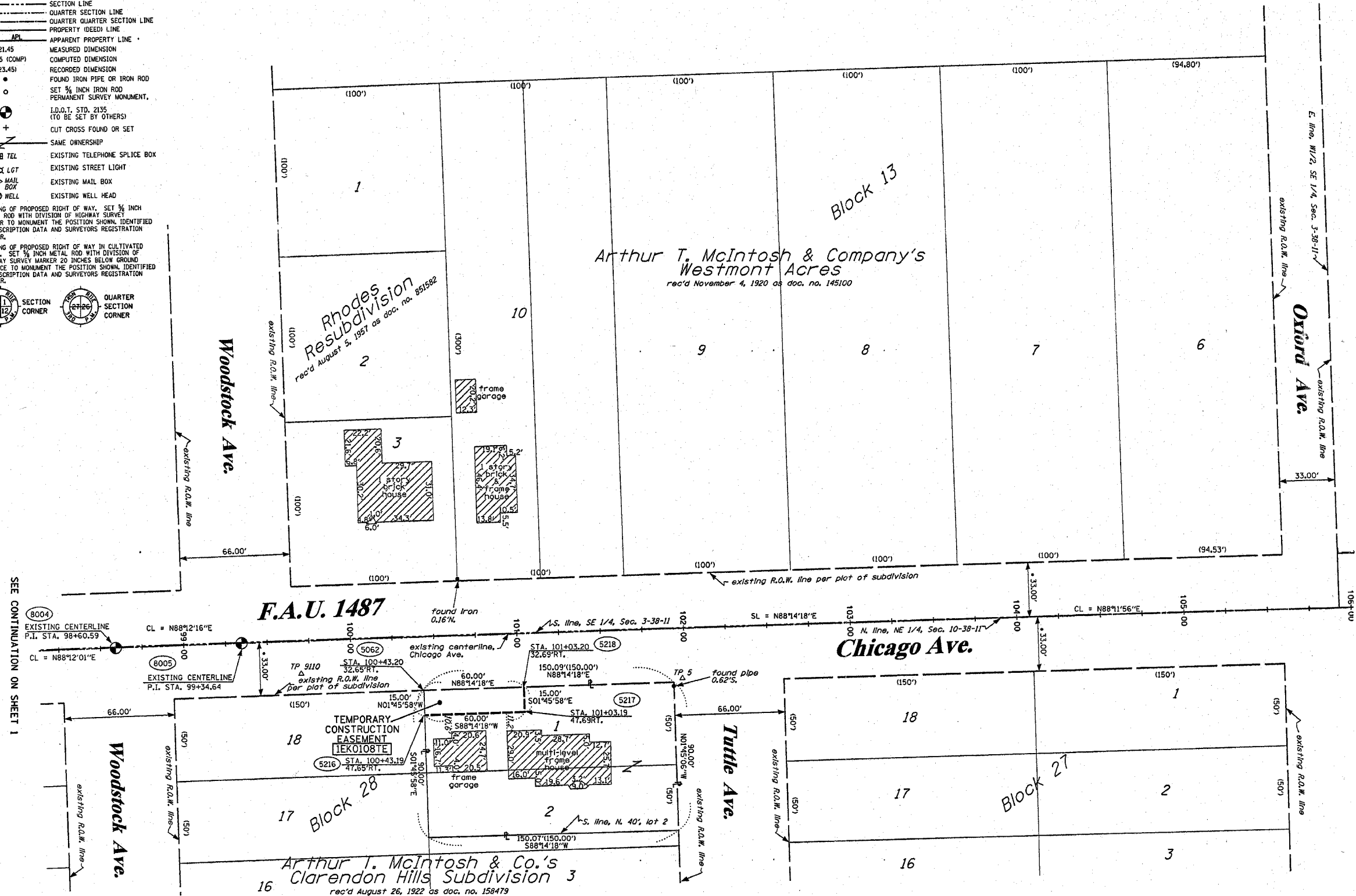


LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1E0108	JANET M. ZILBERSTEIN REVOCABLE TRUST	0.310	N/A	N/A	0.310	0.021	N/A	CONSTR.	09-10-202-010	



SEE CONTINUATION ON SHEET 3

STATE OF ILLINOIS)
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 & 10, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JOLIET, ILLINOIS THIS ____ DAY OF ____ A.D.

RECEIVED
 FEB 19 2005
 PLATS & LEGALS

RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-04

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Lead Surveyors/Engineers/Planners/Landscape Architects/C.S. Consultants
 2174 ONEIDA STREET
 JOLIET, ILLINOIS 60438
 PH. (815) 744-6600 FAX (815) 744-0101 PA. (630) 450-1100 FAX (630) 450-1141

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 1487 (MAPLE/CHICAGO AVE.)
 DUPAGE COUNTY
 JOB NO. R-91-049-01
 STATION 99+25 TO STATION 106+00

SHEET 2 OF 8

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 301 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

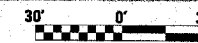
* DENOTES THE DISTANCE FROM THE RIGHT OF WAY LINE TO THE SECTION LINE.
 SEE SHEET 8 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

PART OF THE SE 1/4 OF SECTION 3, T38N, R11 EAST OF THE 3rd PM, DUPAGE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

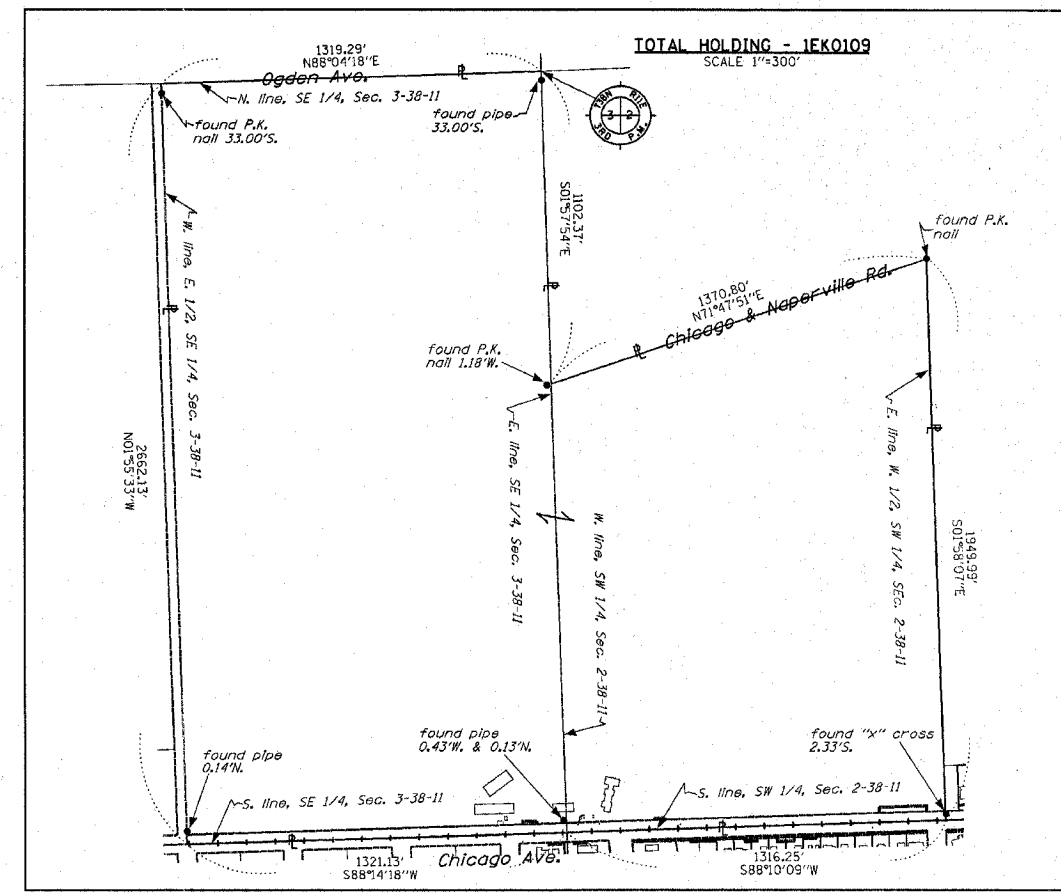


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	112	116
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



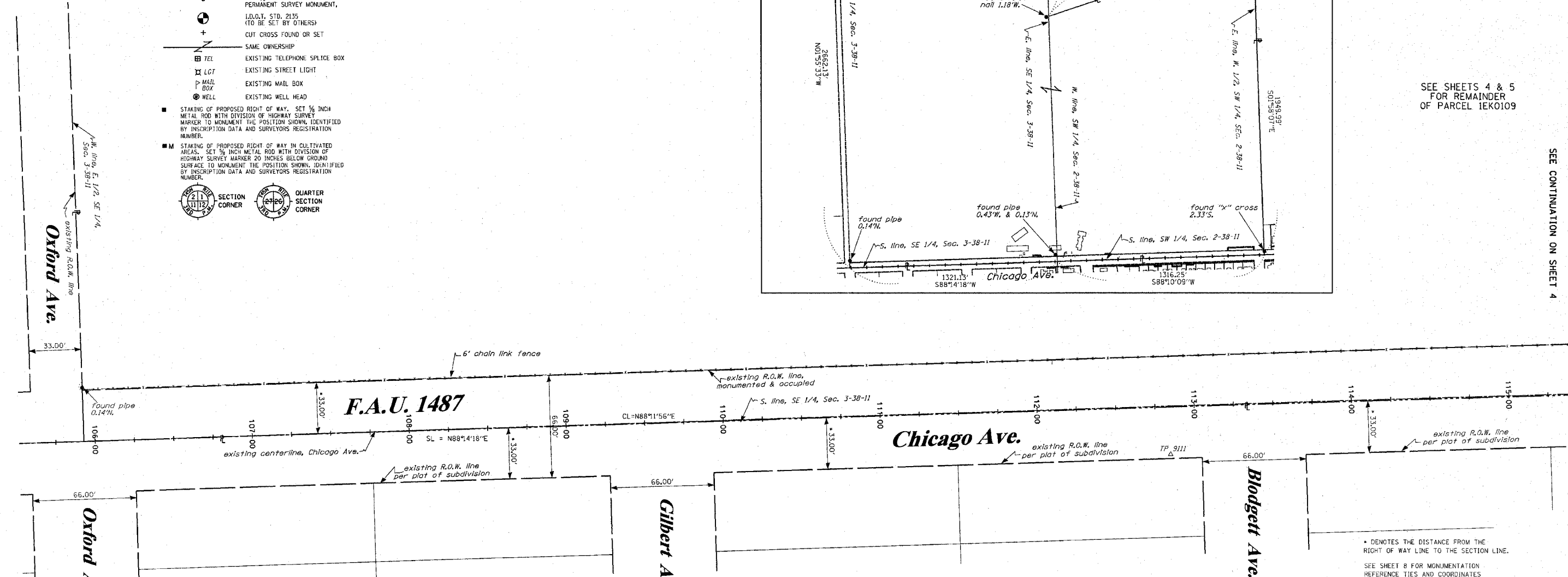
LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/2 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGFL EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY 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. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



SEE SHEETS 4 & 5 FOR REMAINDER OF PARCEL 1EK0109

SEE CONTINUATION ON SHEET 4



• DENOTES THE DISTANCE FROM THE RIGHT OF WAY LINE TO THE SECTION LINE.
SEE SHEET 8 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EK0109	HINSDALE GOLF CLUB	133.824	N/A	N/A	133.824	0.011-A 0.006-B 252g.f.	CONSTR.	09-03-406-002 09-03-406-001 09-02-304-001	

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JOLIET, ILLINOIS THIS ___ DAY OF ___ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-04

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1487 (MAPLE/CHICAGO AVE.)

DUPAGE COUNTY
JOB NO. R-91-049-01
STATION 105+75 TO STATION 115+25

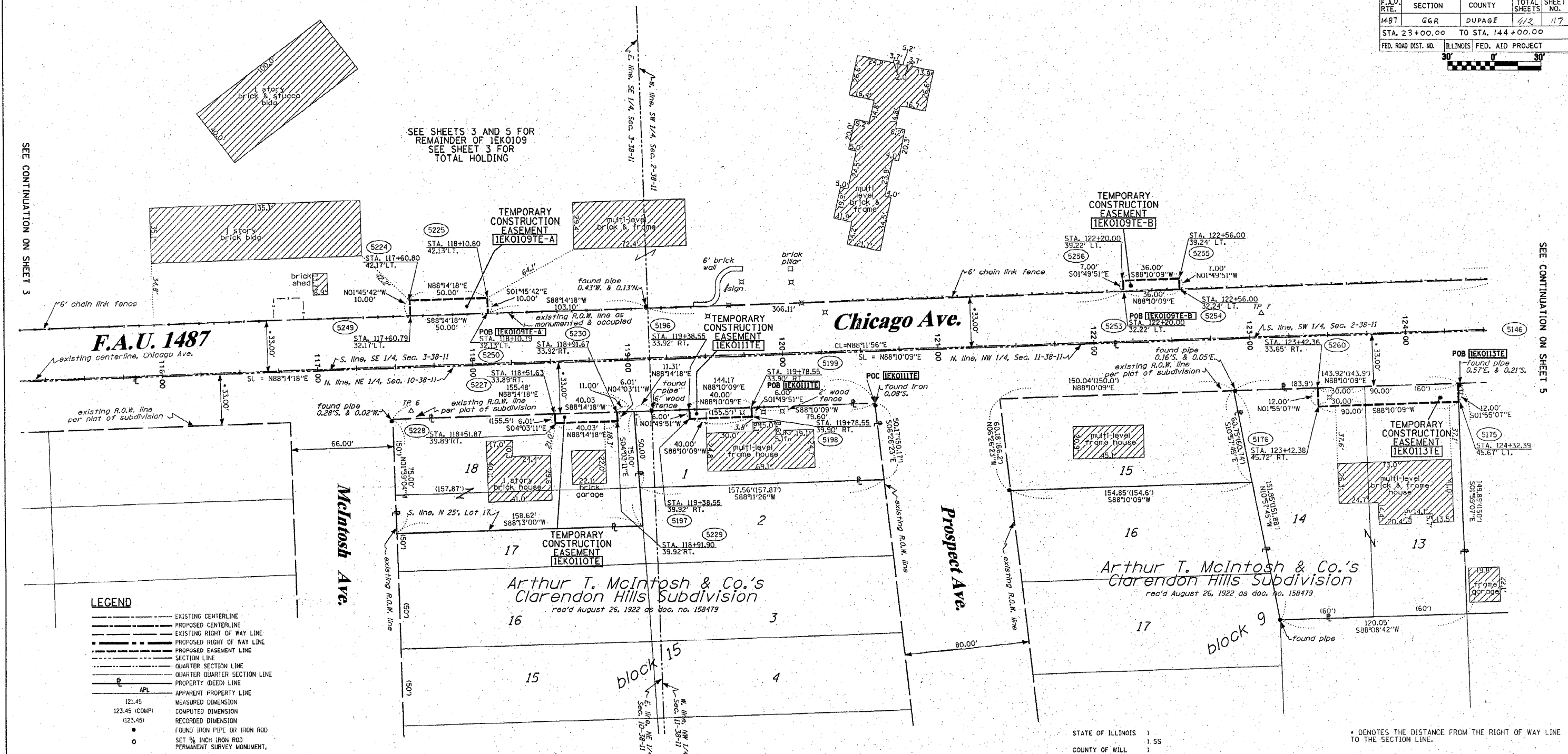
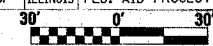
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

SEE CONTINUATION ON SHEET 2

PART OF THE SW 1/4 OF SECTION 2 AND PART OF THE NW 1/4 OF SECTION 11, T38N, R11 EAST OF THE 3rd PM, AND PART OF THE SE 1/4 OF SECTION 3 AND PART OF THE SW 1/4 OF SECTION 10, T38N, R11 EAST OF THE 3rd PM, DUPAGE COUNTY, ILLINOIS.

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	4/2	117
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- ⊙ PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- ⊕ CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

- STAKING OF PROPOSED RIGHT OF WAY. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EK0109	HINSDALE GOLF CLUB	133.824	N/A	N/A	133.824	0.011-A 0.006-B 2526.f.	0.076 CONSTR.	09-03-406-001 09-03-406-002 09-02-304-001	
1EK0110	HARRIS BANK HINSDALE, AS TRUSTEE TRUST NO. L-1606	0.270	N/A	N/A	0.270	0.006 240s.f.	N/A CONSTR.	09-10-207-001	
1EK0111	THOMAS H. & ALICE J. ABRAHAM	0.180	N/A	N/A	0.180	0.006 240s.f.	N/A CONSTR.	09-11-100-001	
1EK0113	JAMES T. BENES & ANDREA V. WILEY	0.454	N/A	N/A	0.454	0.025 N/A	CONSTR.	09-11-105-006 09-11-105-007	

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2, 3, 10 & 11, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JOLIET, ILLINOIS THIS ___ DAY OF _____ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-04

SEE SHEET 6 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

* DENOTES THE DISTANCE FROM THE RIGHT OF WAY LINE TO THE SECTION LINE.

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1487 (MAPLE/CHICAGO AVE.)

DUPAGE COUNTY
JOB NO. R-91-049-01
STATION 115+25 TO STATION 124+50

RECEIVED
OCT 26 2004
PLATS & LEGALS

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHUMBERG, ILLINOIS 60196

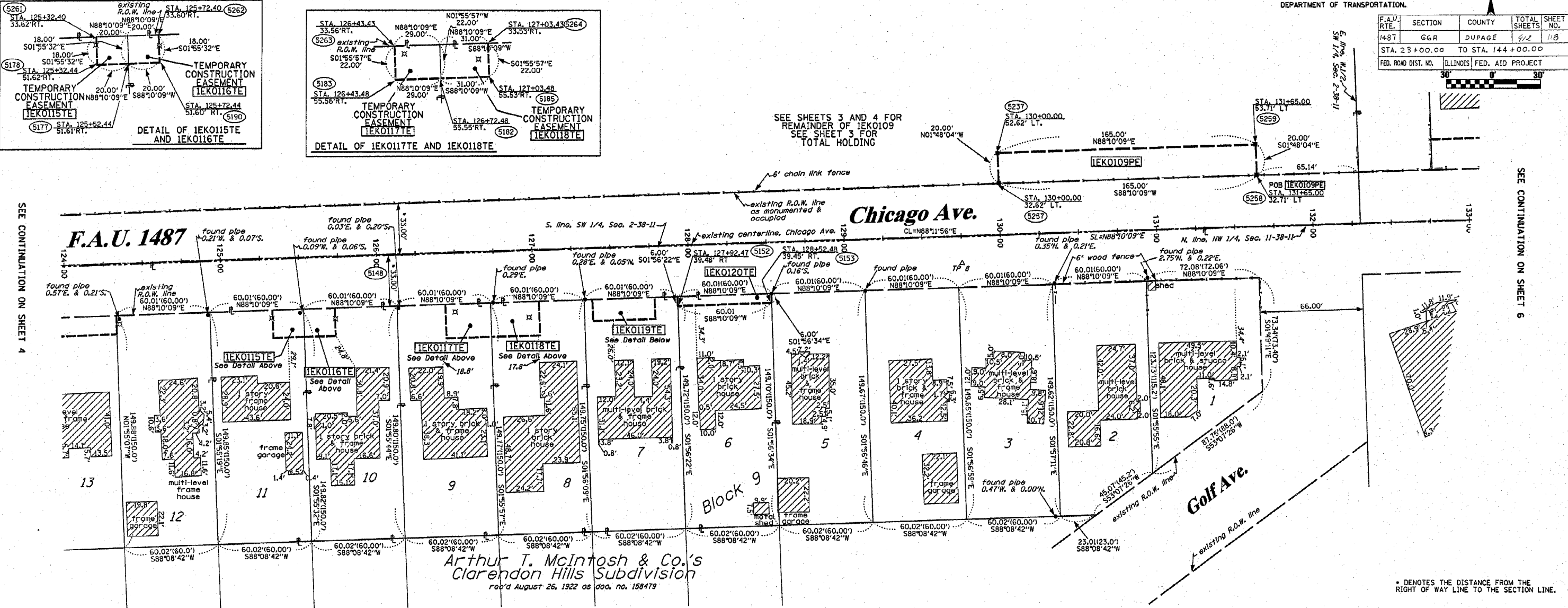
SEE CONTINUATION ON SHEET 3

SEE CONTINUATION ON SHEET 5

PART OF THE SW 1/4 OF SECTION 2 AND PART OF THE NW 1/4 OF SECTION 11, T38N, R11 EAST OF THE 3rd PM, DUPAGE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	GGR	DUPAGE	112	118
STA. 23+00.00 TO STA. 144+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

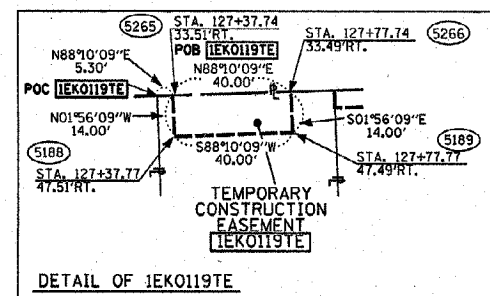


SEE CONTINUATION ON SHEET 4

SEE CONTINUATION ON SHEET 6

- LEGEND**
- EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT LINE
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER QUARTER SECTION LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - 121.45 MEASURED DIMENSION
 - 123.45 (COMP) COMPUTED DIMENSION
 - (123.45) RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 3/8 INCH IRON ROD PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - + CUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - TEL EXISTING TELEPHONE SPLICE BOX
 - LGT EXISTING STREET LIGHT
 - MAIL BOX EXISTING MAIL BOX
 - WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP PERM ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IEK0109	HINSDALE GOLF CLUB	133.824	N/A	N/A	133.824	0.011-A 0.006-B 252a.f.	0.076	CONSTR.	09-03-406-001 08-03-406-002 09-03-304-001	
IEK0115	THE GERTRUDE MASULIS TRUST	0.206	N/A	N/A	0.206	0.008 360s.f.	N/A	CONSTR.	09-11-105-009	
IEK0116	THOMAS MARIK	0.206	N/A	N/A	0.206	0.008 360s.f.	N/A	CONSTR.	09-11-105-010	
IEK0117	THE FRANCIS J. SKRYDLAK TRUST	0.206	N/A	N/A	0.206	0.015	N/A	CONSTR.	09-11-105-011	
IEK0118	OAK PARK TRUST & SAVINGS BANK TRUST NO. 3467	0.206	N/A	N/A	0.206	0.016	N/A	CONSTR.	09-11-105-012	
IEK0119	DAVID FORTMAN CHRISTINE FORTMAN	0.206	N/A	N/A	0.206	0.013	N/A	CONSTR.	09-11-105-013	
IEK0120	WILLIAM J. PITT TRUST & MARY M. PITT TRUST	0.206	N/A	N/A	0.206	0.008 360s.f.	N/A	CONSTR.	09-11-105-014	



STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 & 11, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JULIET, ILLINOIS THIS ___ DAY OF ___ A.D.

RECEIVED
FEB 04 2005
RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-04

RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60438
PH (815) 744-6600 FAX (815) 744-0101
2630 SOUTH WASHINGTON STREET SUITE 170
NAUERVILLE, ILLINOIS 60565
PH (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1487 (MAPLE/CHICAGO AVE.)
DUPAGE COUNTY
JOB NO. R-91-049-01
STATION 124+00 TO STATION 132+50

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT I
201 WEST CENTER COURT
SCHAMLURG, ILLINOIS 60196

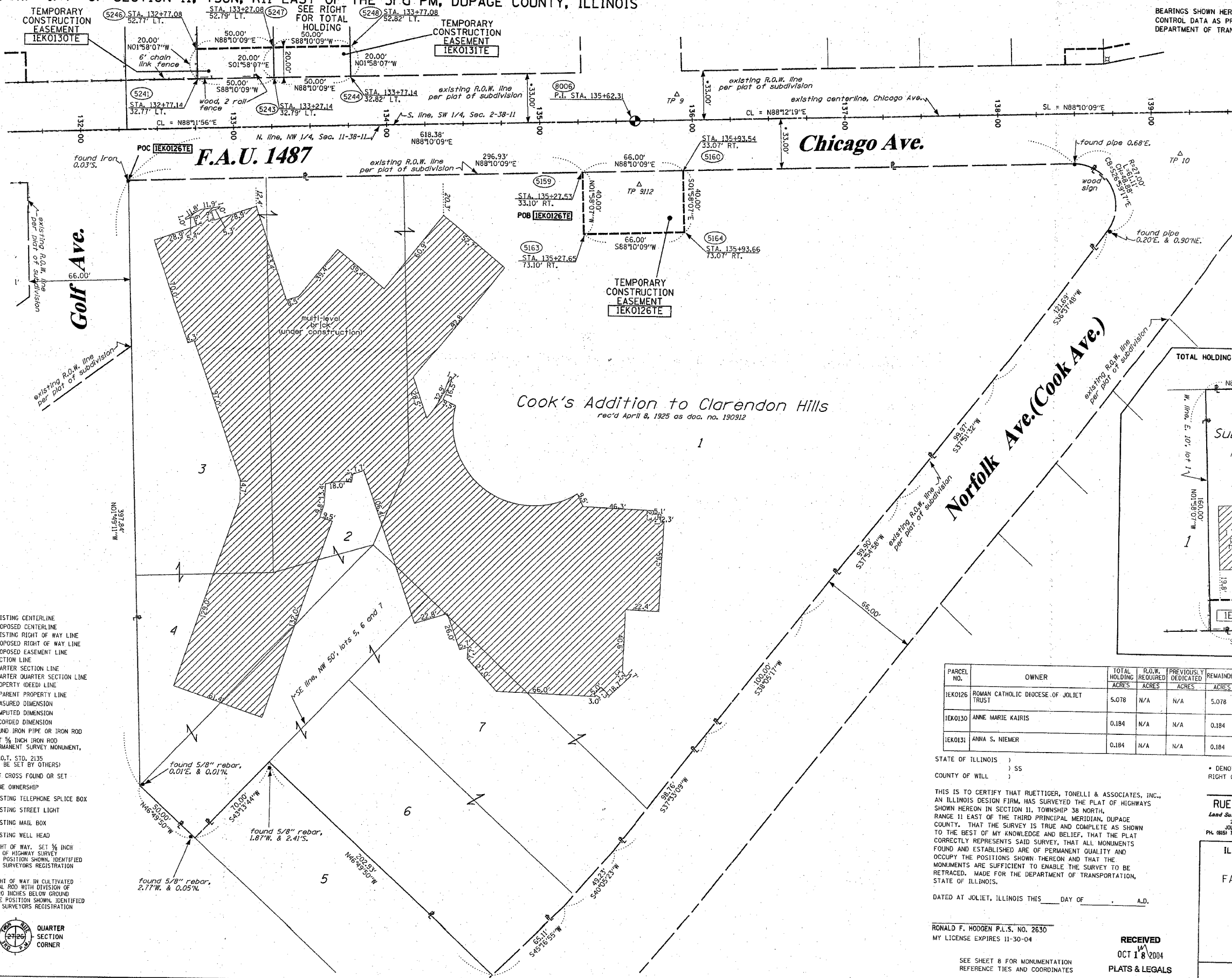
PART OF THE NW 1/4 OF SECTION 11, T38N, R11 EAST OF THE 3rd PM, DUPAGE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	119
STA. 23+00.00 TO STA. 144+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		30		

SEE CONTINUATION ON SHEET 5

SEE CONTINUATION ON SHEET 7



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8" IRON ROD
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

- STAKING OF PROPOSED RIGHT OF WAY. SET 3/8" METAL ROD WITH DIVISION OF HIGHWAY 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. SET 3/8" METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IEK0126	ROMAN CATHOLIC DIOCESE OF JOLIET TRUST	5.078	N/A	N/A	5.078	0.061	N/A	CONSTR.	09-11-110-001 09-11-110-002 09-11-110-027	
IEK0130	ANNE MARIE KAIRIS	0.184	N/A	N/A	0.184	0.023	N/A	CONSTR.	09-02-304-030	
IEK0131	ANNA S. NIEMER	0.184	N/A	N/A	0.184	0.023	N/A	CONSTR.	09-02-304-031	

STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 11, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-04

SEE SHEET 8 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

RECEIVED
OCT 18 2004
PLATS & LEGALS

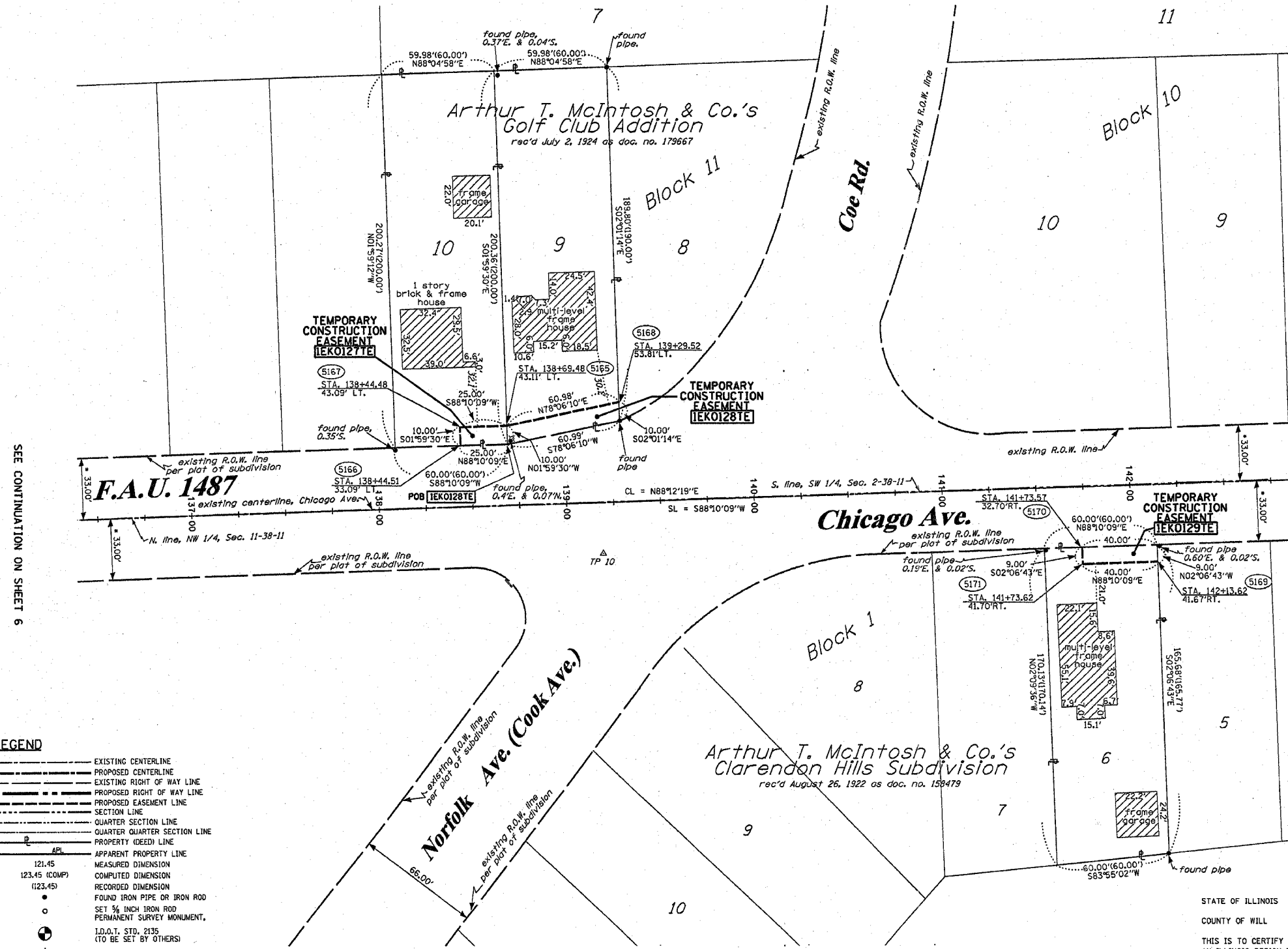
RUETTIGER, TONELLI & ASSOCIATES, INC.
Lead Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60438
PH 815/744-6600 FAX 815/744-0101 PH 630/420-7740 FAX 630/420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1487 (MAPLE/CHICAGO AVE.)

DUPAGE COUNTY
JOB NO. R-91-049-01
STATION 131+75 TO STATION 139+50

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	112	120
STA. 23+00.00		TO STA. 144+00.00		
ILLINOIS FED. AID PROJECT				



- LEGEND**
- EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT LINE
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER QUARTER SECTION LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - 121.45 MEASURED DIMENSION
 - 123.45 (COMP) COMPUTED DIMENSION
 - (123.45) RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 1/8 INCH IRON ROD PERMANENT SURVEY MONUMENT
 - ⊕ I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - ⊕ CUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - TEL EXISTING TELEPHONE SPLICE BOX
 - LGT EXISTING STREET LIGHT
 - MAIL BOX EXISTING MAIL BOX
 - WELL EXISTING WELL HEAD

- STAKING OF PROPOSED RIGHT OF WAY. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
IEX0127	EDGAR JAMES FLACHEK & HELEN L. FLACHEK	0.276	N/A	N/A	0.276	0.006 250 sf	N/A CONSTR.	09-02-308-019	
IEX0128	WAYNE A. KUJA, TRUSTEE	0.269	N/A	N/A	0.269	0.014	N/A CONSTR.	09-02-308-020	
IEX0129	DANIEL C. & CARRIE L. MEYER	0.231	N/A	N/A	0.231	0.008 350sf.	N/A CONSTR.	09-11-117-014	

STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 11, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-04

SEE SHEET 8 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

* DENOTES THE DISTANCE FROM THE RIGHT OF WAY LINE TO THE SECTION LINE.

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.L.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60435
PH (815) 744-6600 FAX (815) 744-0101 PH (630) 420-1740 FAX (630) 420-1741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 1487 (MAPLE/CHICAGO AVE.)

DUPAGE COUNTY
JOB NO. R-91-049-01
STATION 136+50 TO STATION 142+75

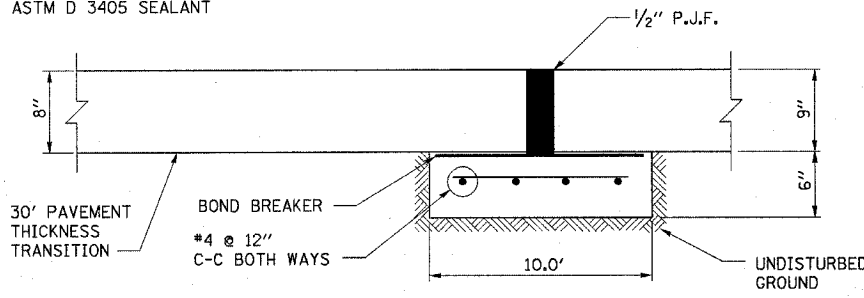
RECEIVED
JAN 04 2005
PLATS & LEGALS

SHEET 7 OF 8
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DU PAGE	412	121
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				

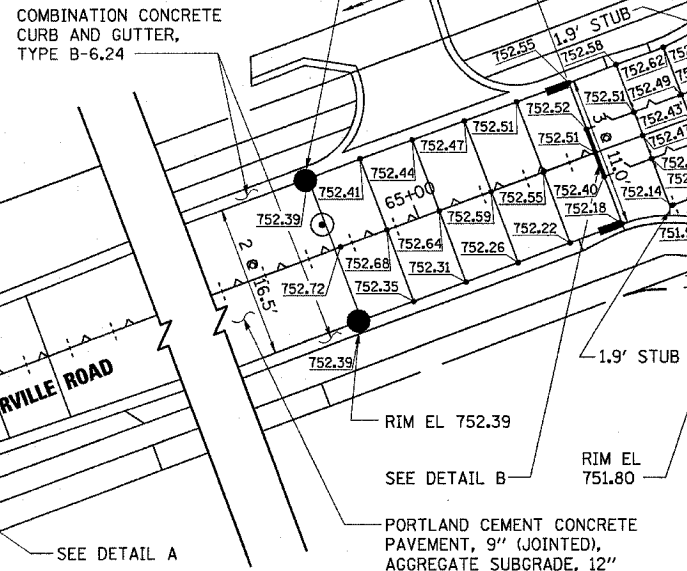
TIE BAR AND SEALING SCHEDULE									
PAVEMENT TYPE	EPOXY COATED	DEFORMED	SIZE	LENGTH	SPACING	DRILL & GROUT	POUR IN	SEAL	STANDARD
JOINTED PCC									420001, 420101 & 420111 (GEN)
TRANSVERSE									
SAWED CONTRACTION JOINT	Y	N	•	18	12	N	Y	HP (HOTPOUR)	420001
CONSTRUCTION JOINT	Y	N	•	13	12	N	Y	HP	420101, 420106
EXPANSION JOINT	Y	N	•	18	12	N	Y	PF (PREFORM)	420001
LONGITUDINAL									
SAWED CONTRACTION JOINT	Y	N	NO. 6	30	30	N	Y	HP	420001
CONSTRUCTION JOINT	Y	N	NO. 6	24	24	Y	N	••	420001
CURB AND GUTTER	Y	N	NO. 6	24	24	Y	-	HP	606001

• SEE TABLE STANDARD 420001
 •• ASTM D 3405 SEALANT



SEPARATION JOINT WITH SLEEPER SLAB
 DETAIL A
 NTS

NTS



SEPARATION JOINT WITH SLEEPER SLAB
 DETAIL B
 NTS

NTS

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

MAX 14' SPACING

STA 66+13.24 @ NAPERVILLE RD = STA 20+00.00 @ CASS AVE

MAX 12' SPACING

MAX 14' SPACING

MAX 14' SPACING

MAX 14' SPACING

MAX 14' SPACING

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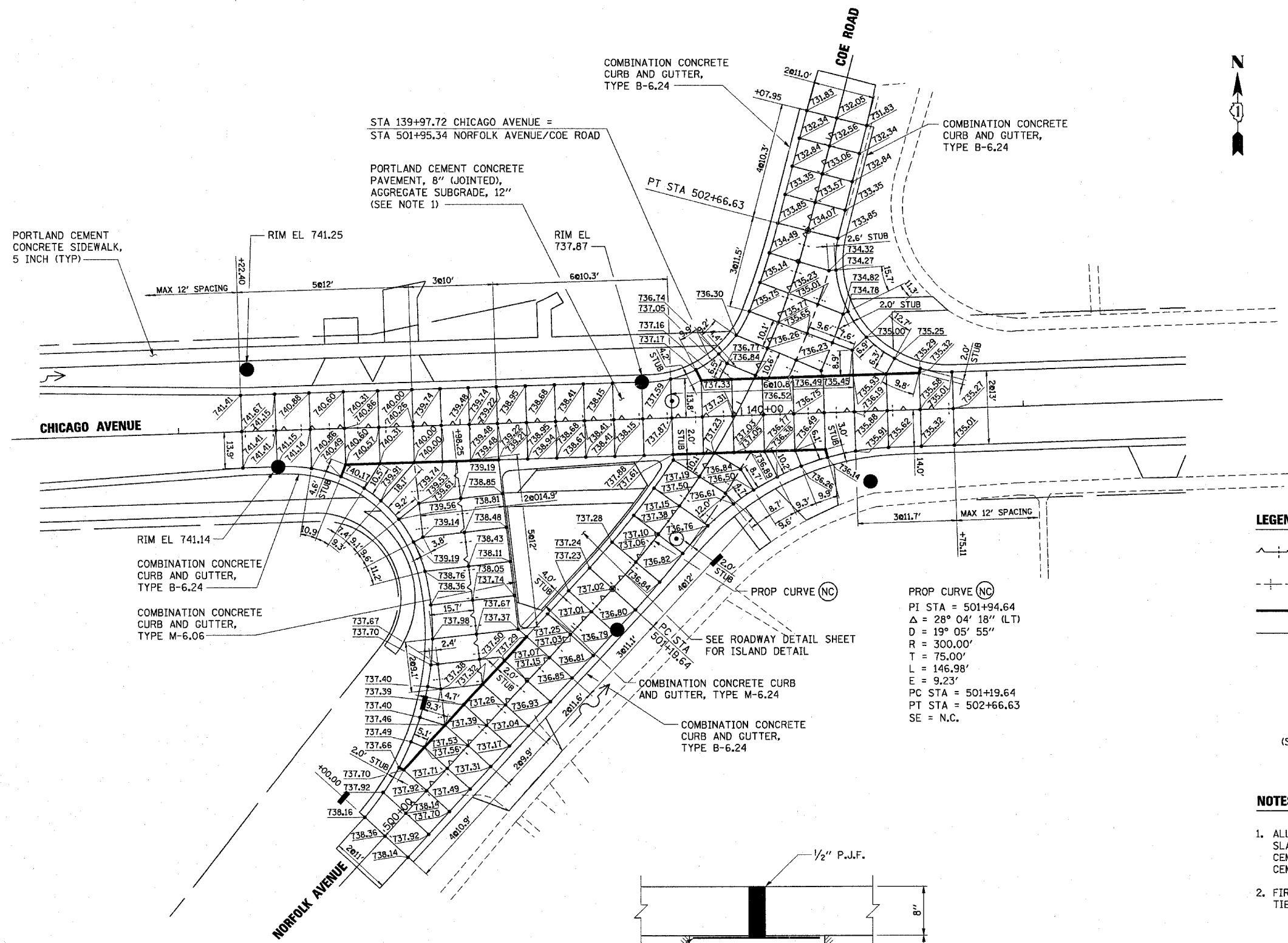
4.3'

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DU PAGE	412	122
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				

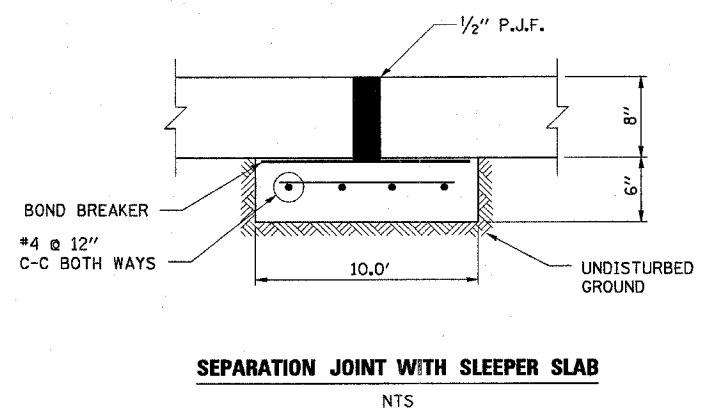


LEGEND:

- CONSTRUCTION JOINT W/TIE BARS
- SAWED LONGITUDINAL JOINT W/TIE BARS
- SEPARATION JOINT WITH SLEEPER SLAB (SEE DETAIL ON THIS SHEET)
- SAWED CONTRACTION JOINT
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED INLET

(SEE STANDARDS 420001, 420101, AND 420111 FOR MORE INFORMATION)

- NOTES:**
- ALL JOINTS EXCEPT EXPANSION JOINT WITH SLEEPER SLAB SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED) OR PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED)
 - FIRST PANEL ADJACENT TO CHICAGO AVE SHALL HAVE TIE BARS ON ALL SIDES.



SEPARATION JOINT WITH SLEEPER SLAB
NTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAILS
CHICAGO AVENUE, NORFOLK AVENUE,
AND
COE ROAD**

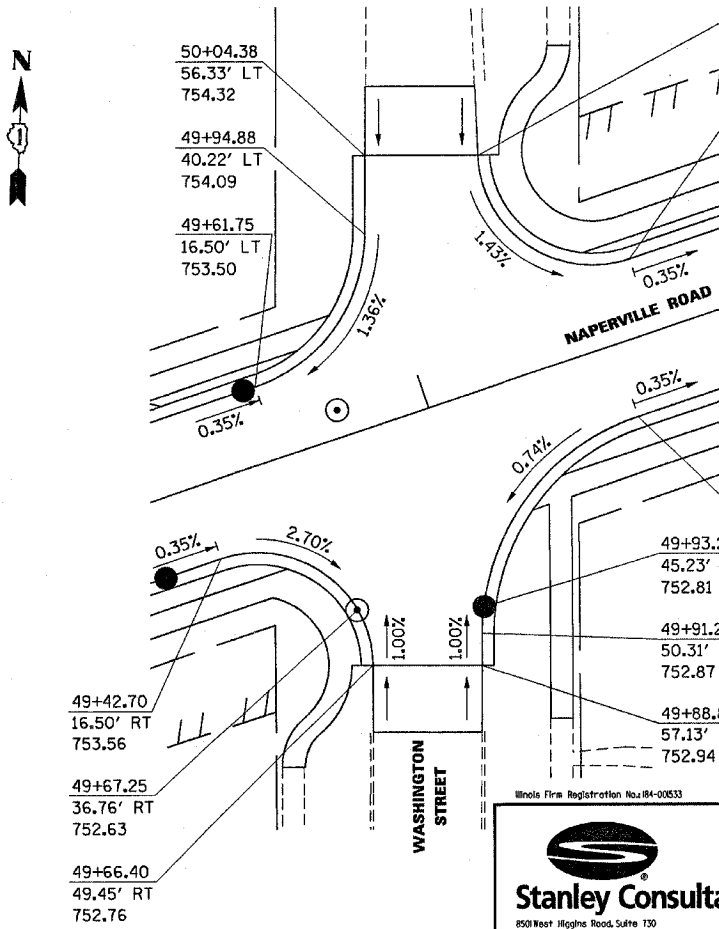
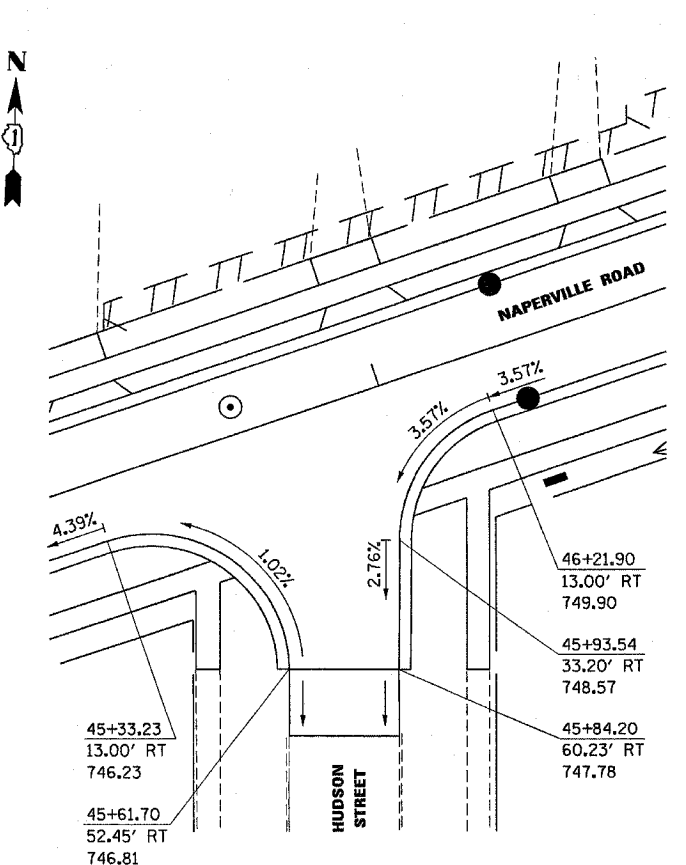
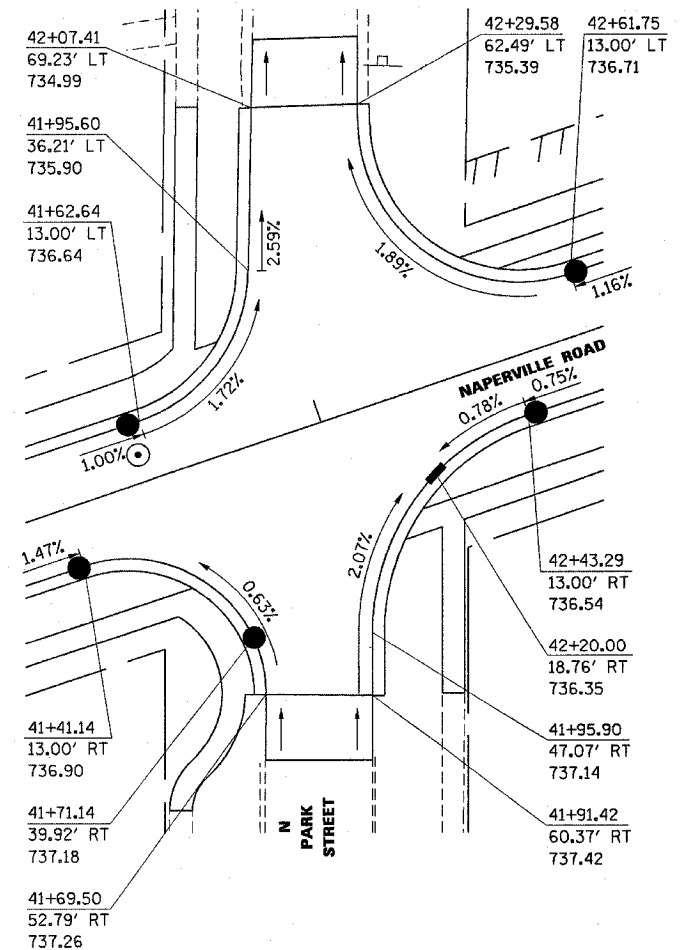
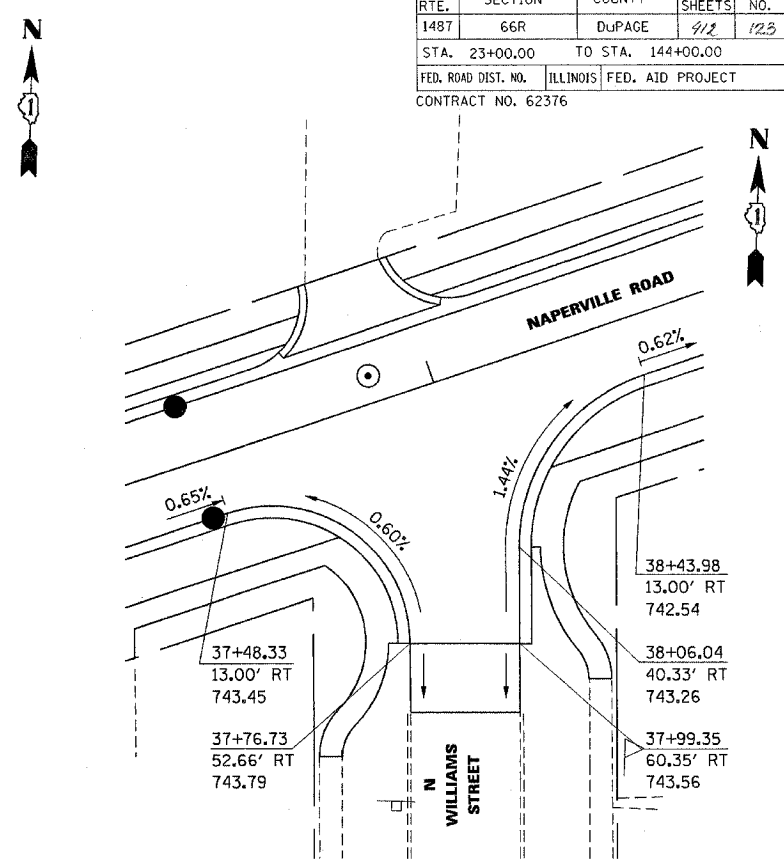
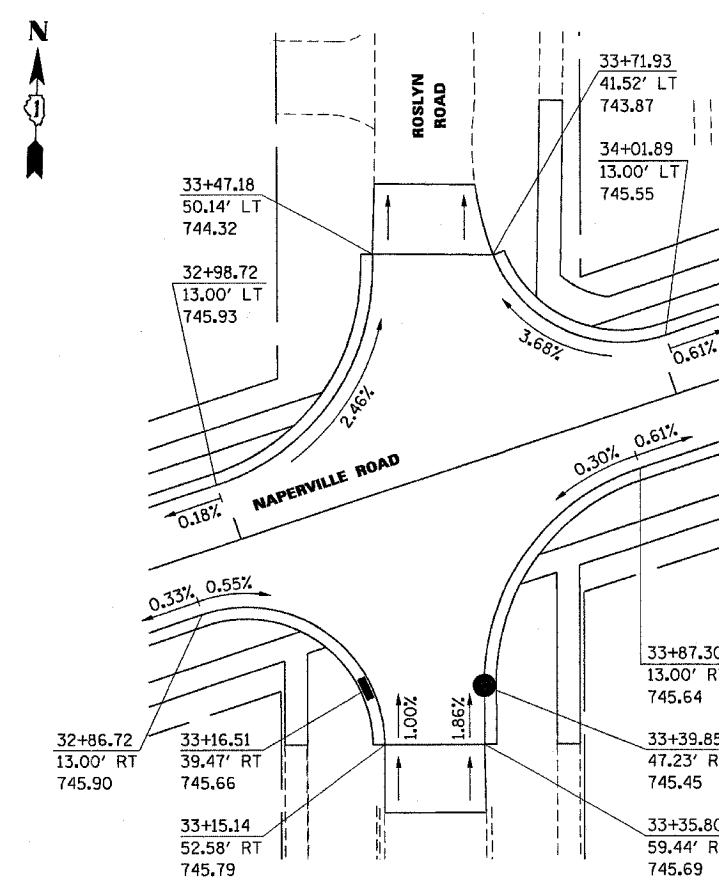
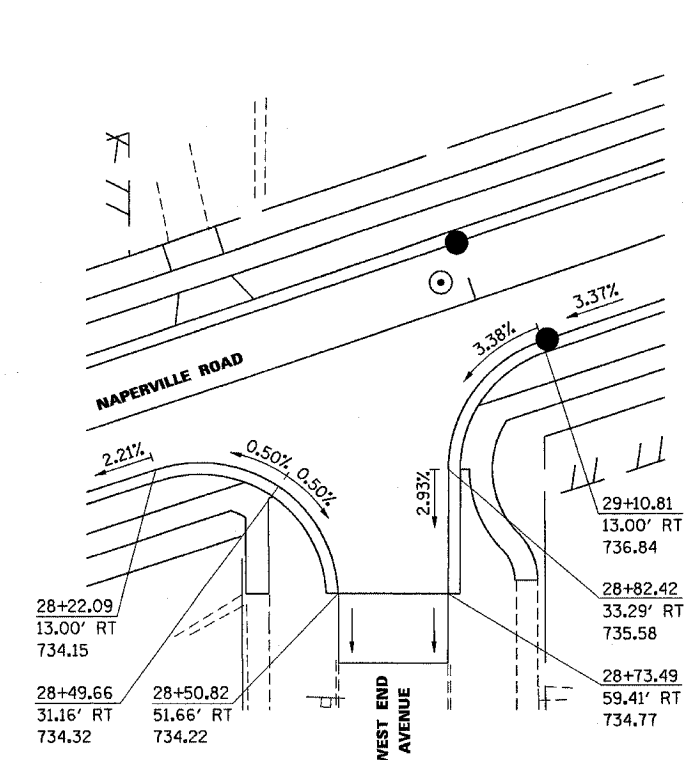
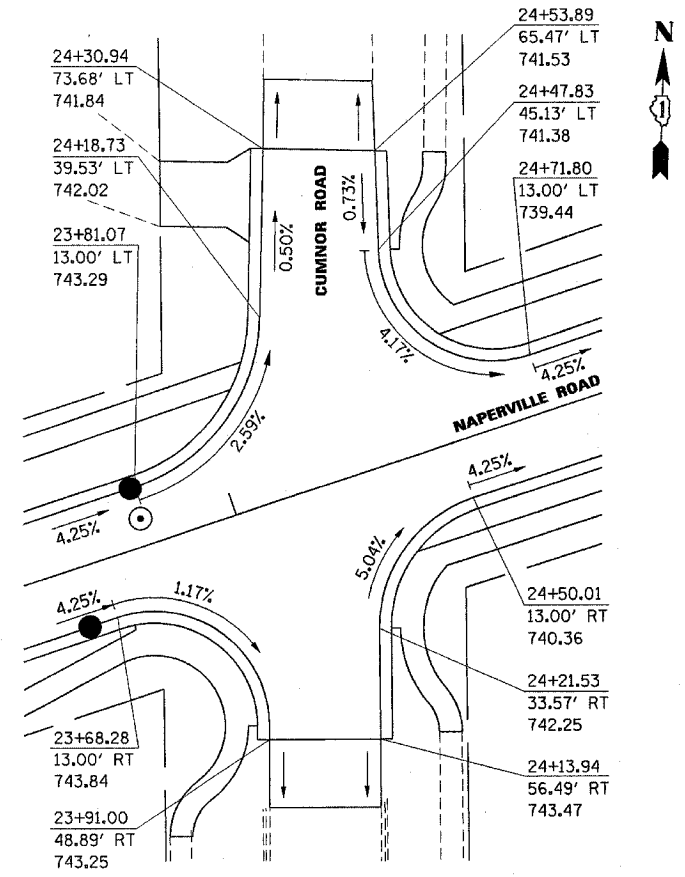
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DATE 14-JAN-2005

DRAWN BY E.D.
CHECKED BY G.T.

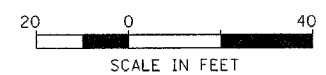
Illinois Firm Registration No. 04-00533

Stanley Consultants INC.
850 West Higgins Road, Suite 730
Chicago, Illinois 60639-2803
www.stanleyinc.com

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	123
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



NOTES:
1. ALL ELEVATIONS AND CALLOUTS SHOWN ARE AT THE EDGE OF PAVEMENT.



Whole Fire Registration No. 04-00533

Stanley Consultants INC.
850 West Higgins Road, Suite 130
Chicago, Illinois 60637-2808
www.stanleygroup.com

REVISIONS	
NAME	DATE

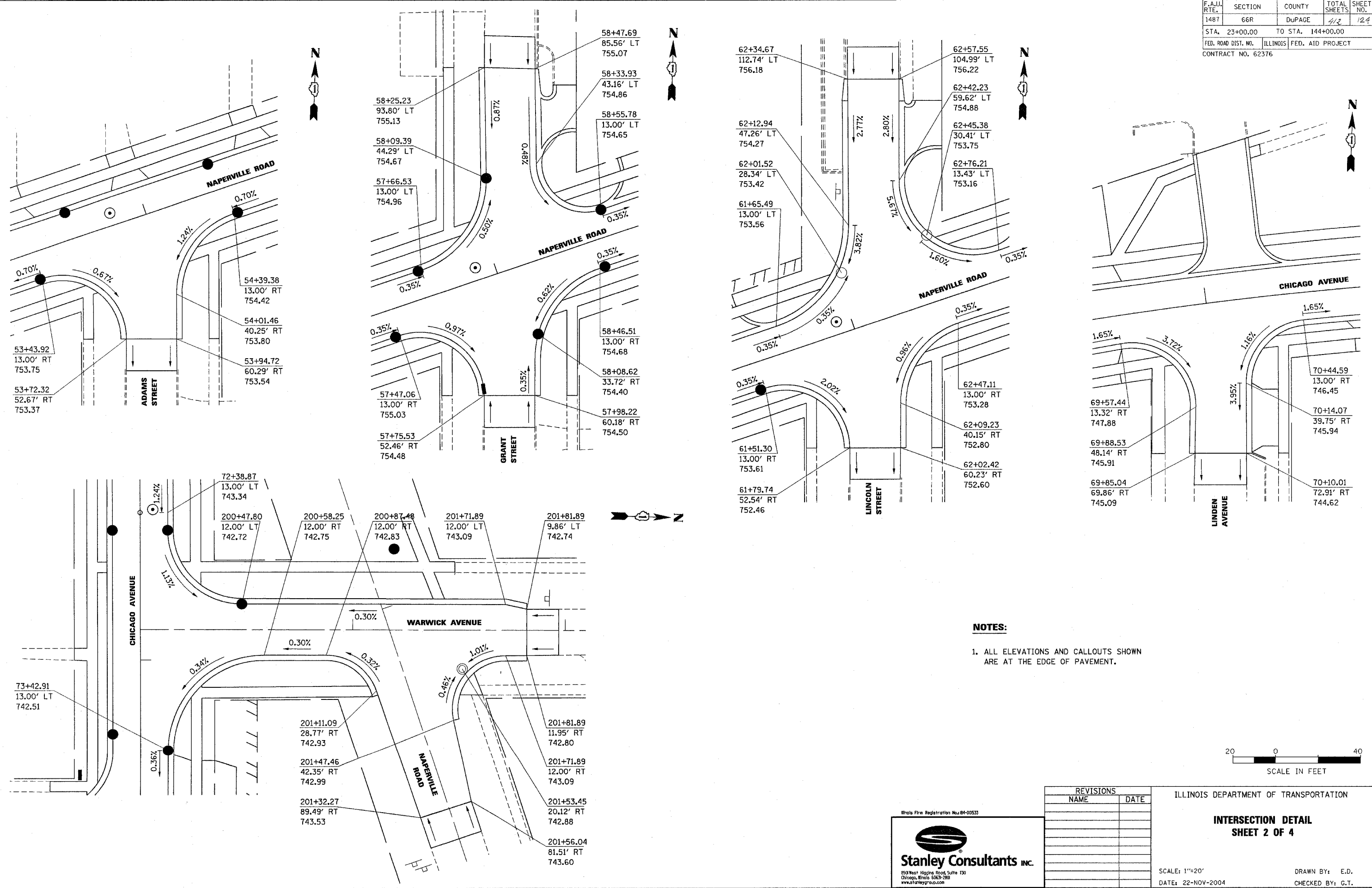
ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAIL
SHEET 1 OF 4**

SCALE: 1"=20'
DATE: 22-NOV-2004

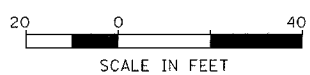
DRAWN BY: E.D.
CHECKED BY: G.T.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	124
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



NOTES:

1. ALL ELEVATIONS AND CALLOUTS SHOWN ARE AT THE EDGE OF PAVEMENT.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
SHEET 2 OF 4

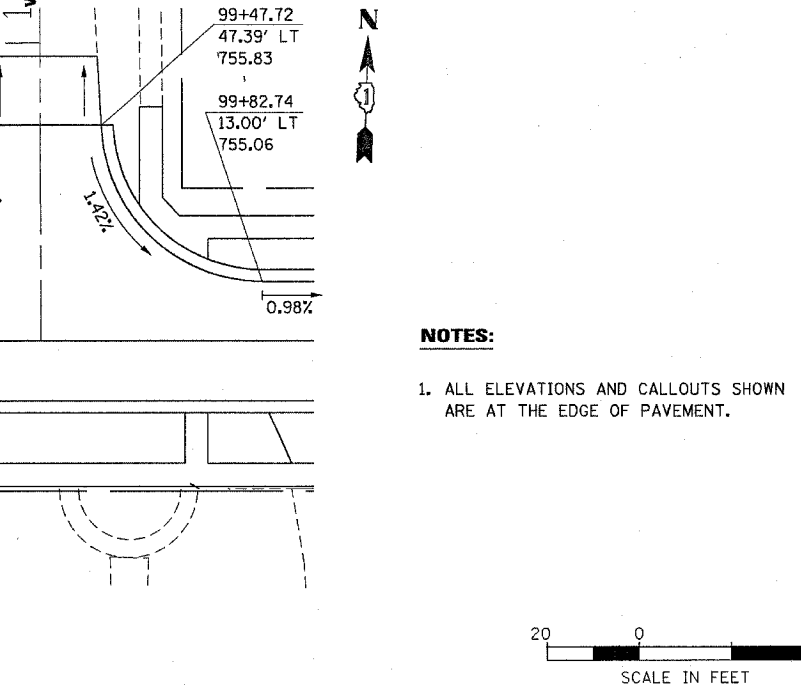
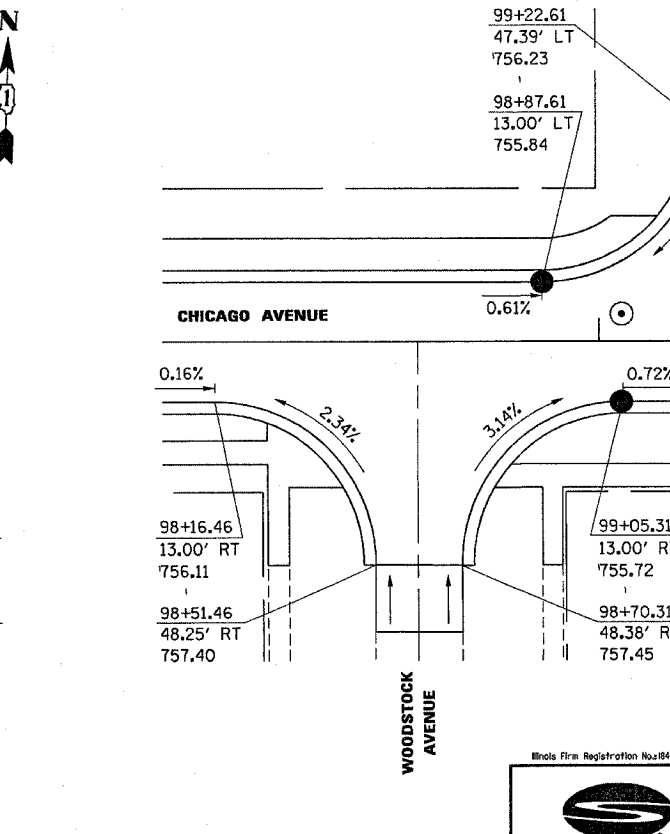
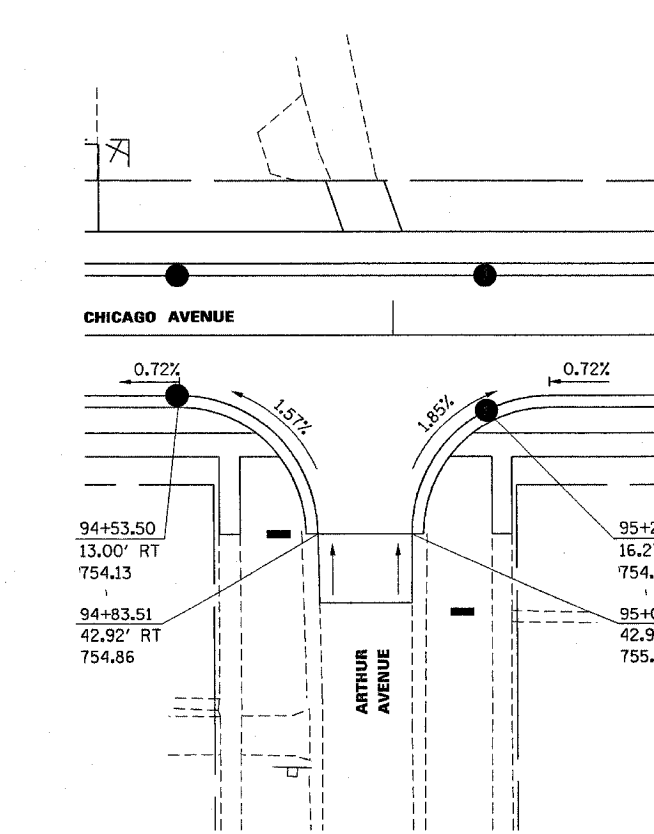
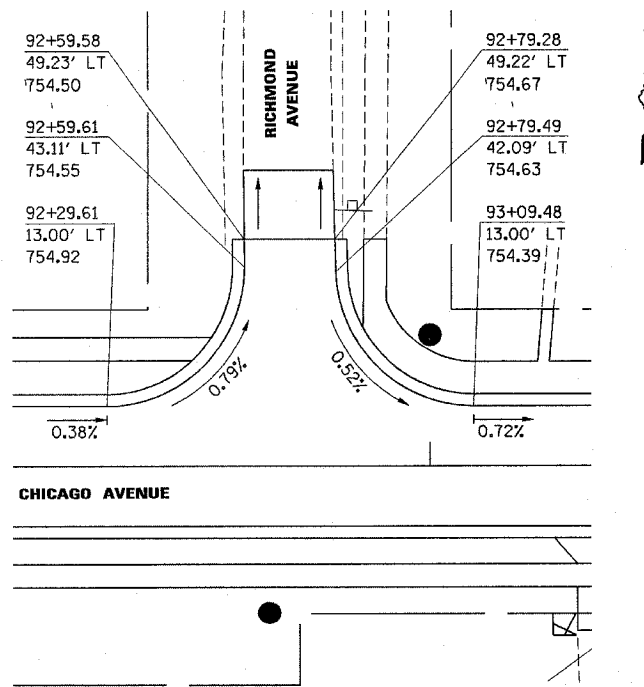
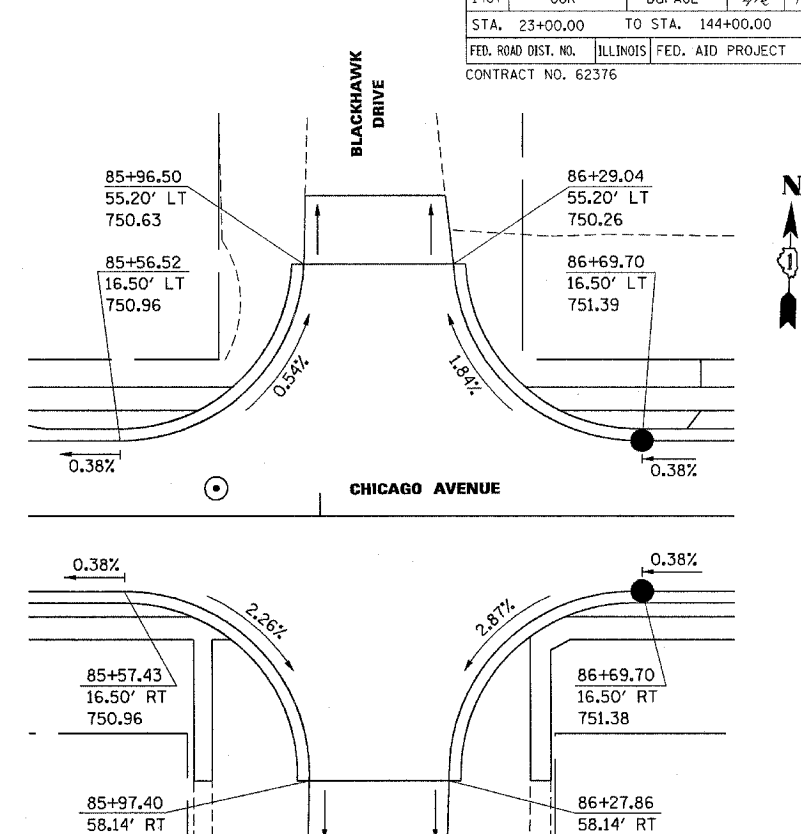
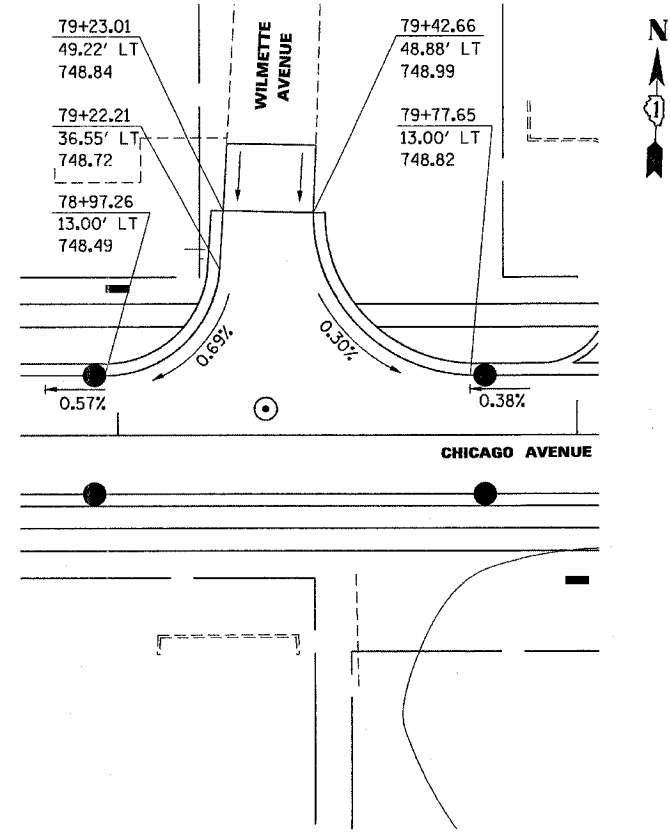
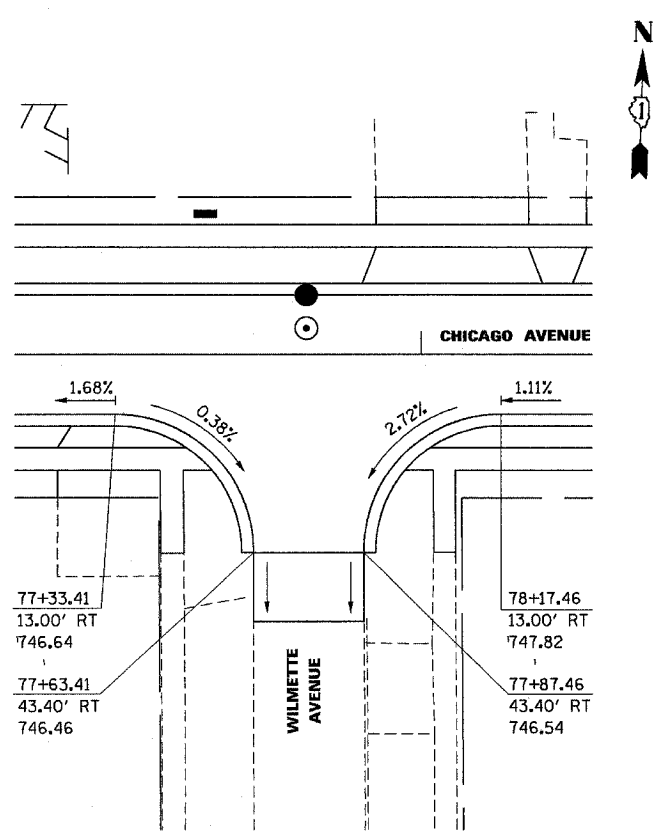
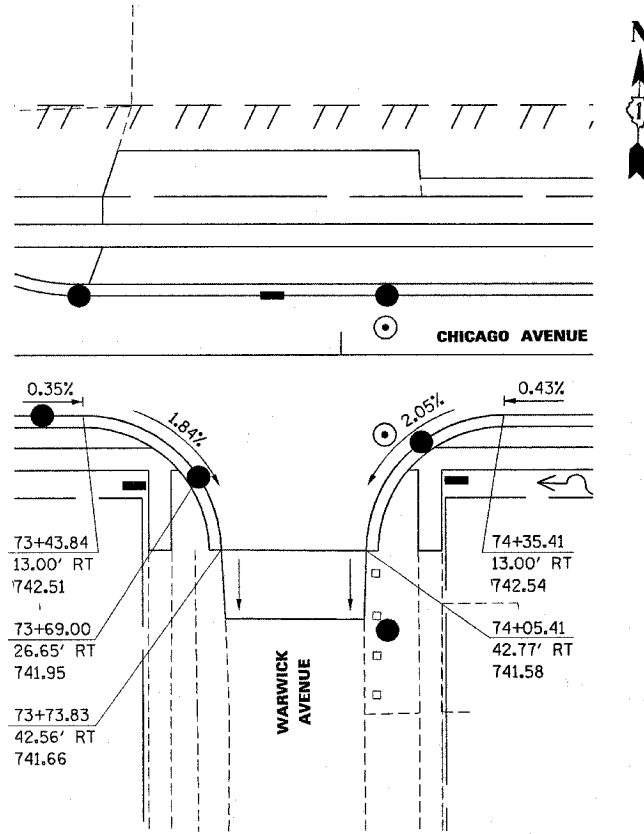
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DATE: 22-NOV-2004

DRAWN BY: E.D.
CHECKED BY: G.T.

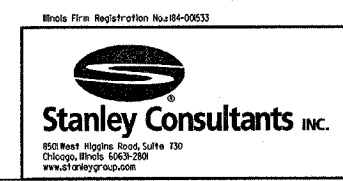
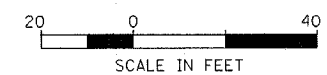
Wholesale Fire Registration No. 04-00533

Stanley Consultants INC.
850 West Higgins Road, Suite 130
Chicago, Illinois 60630-2908
www.stanleygroup.com

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	112	125
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376				



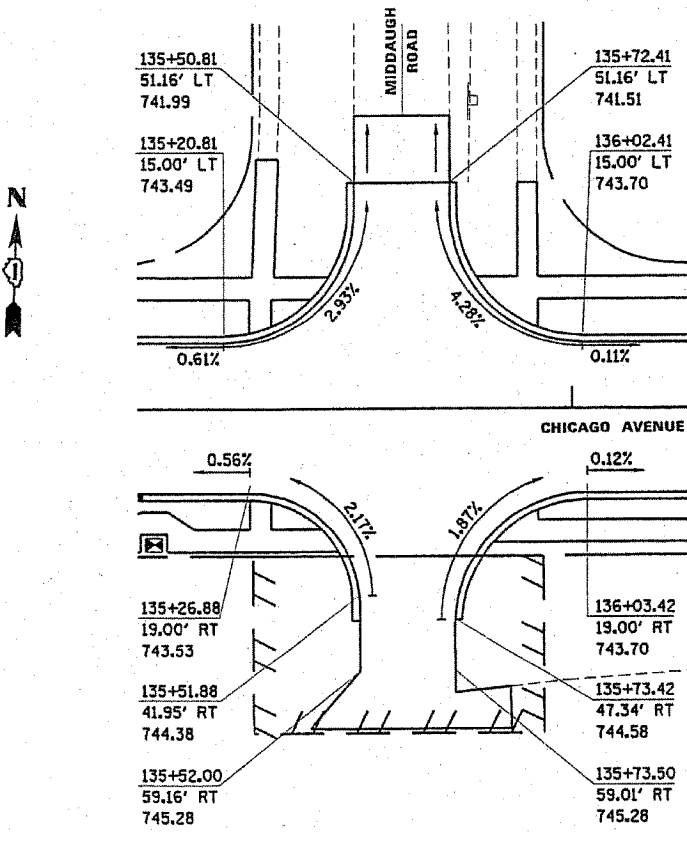
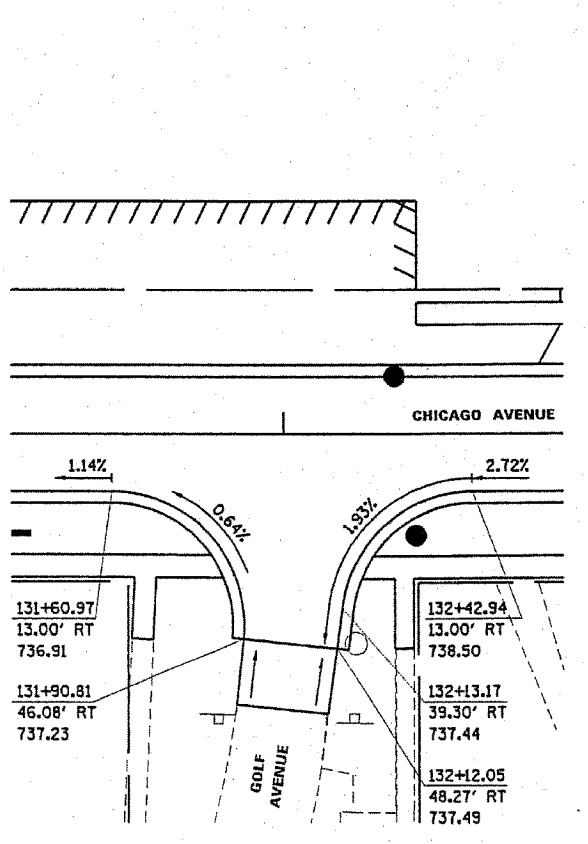
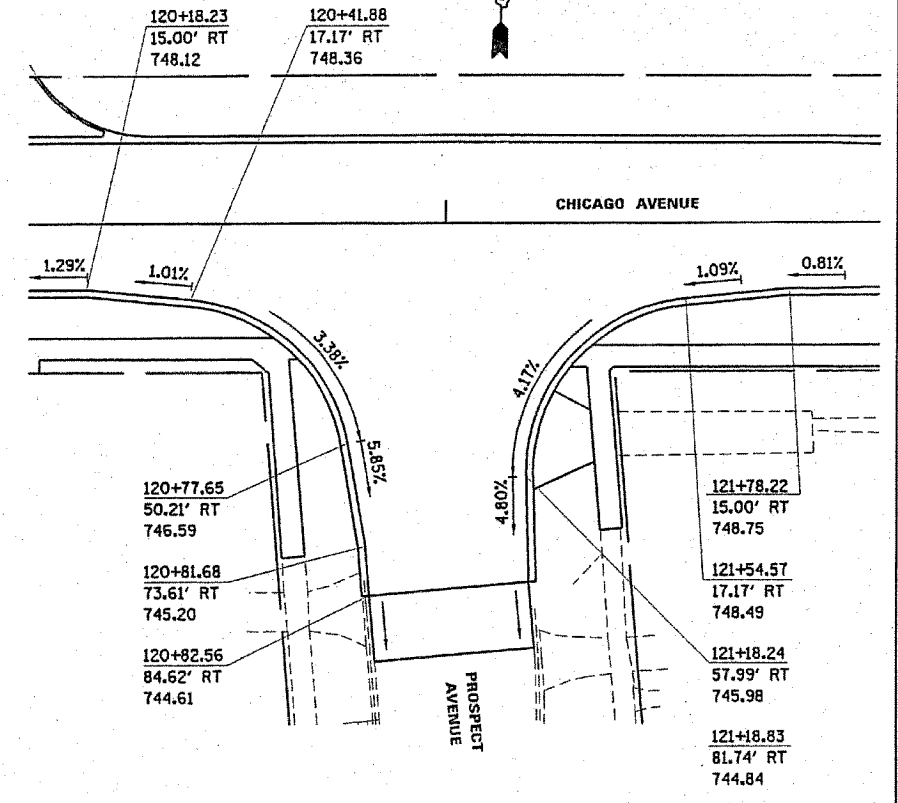
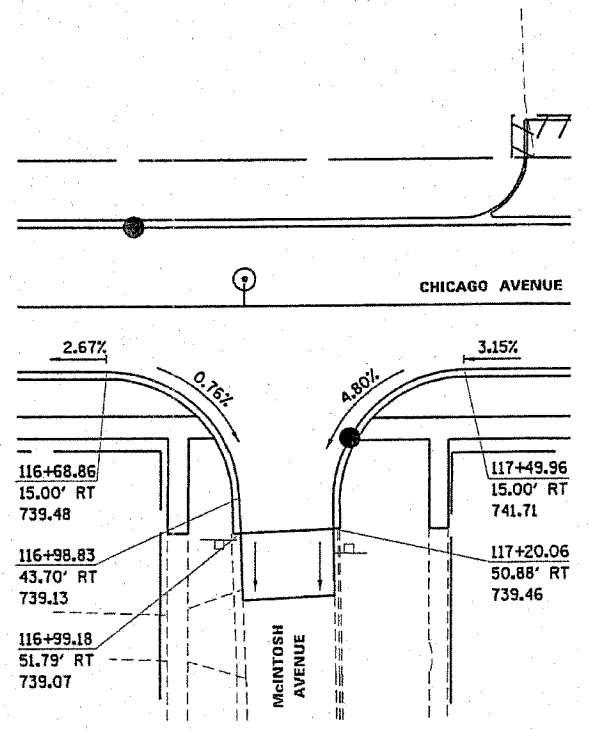
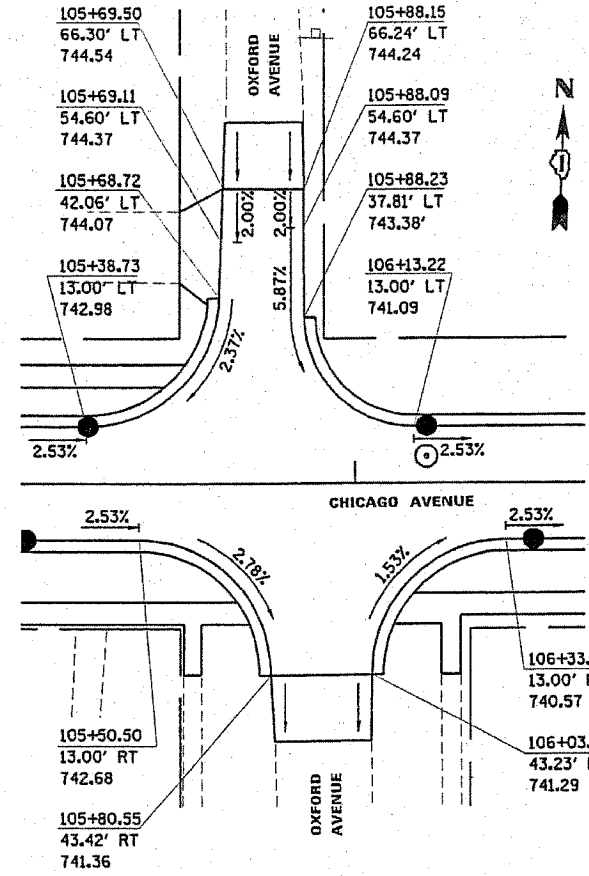
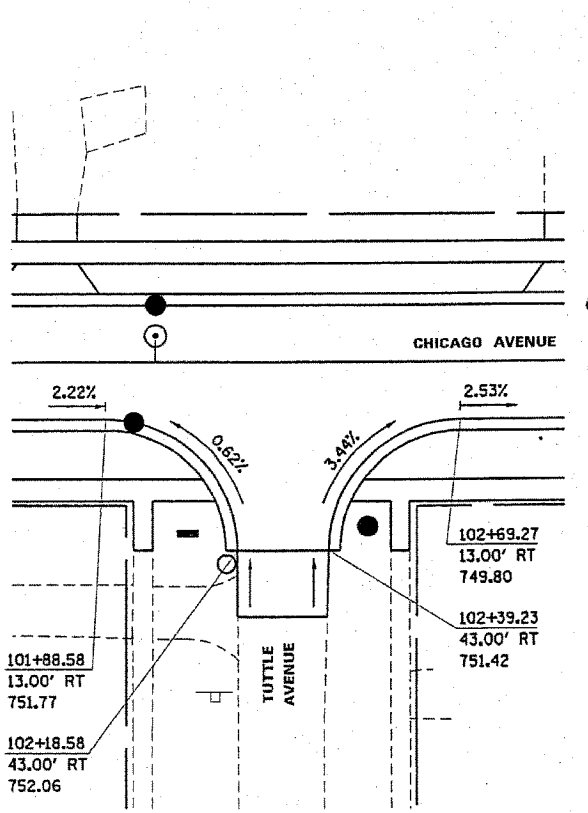
NOTES:
1. ALL ELEVATIONS AND CALLOUTS SHOWN ARE AT THE EDGE OF PAVEMENT.



REVISIONS	
NAME	DATE

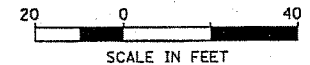
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
SHEET 3 OF 4
SCALE: 1"=20'
DATE: 22-NOV-2004
DRAWN BY: E.D.
CHECKED BY: G.T.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	126
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376				



NOTES:

- 1. ALL ELEVATIONS AND CALLOUTS SHOWN ARE AT THE EDGE OF PAVEMENT.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

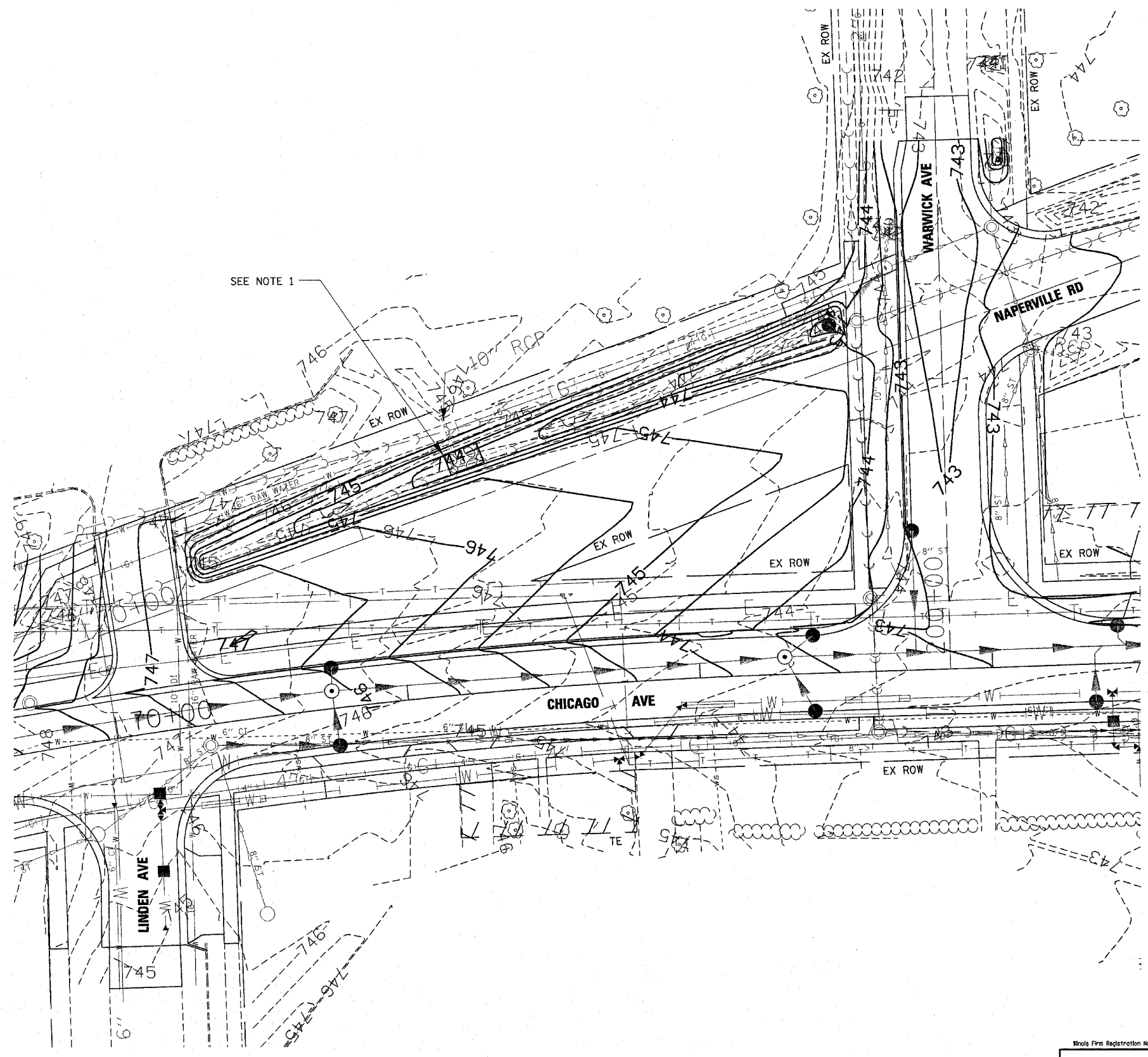
**INTERSECTION DETAIL
SHEET 4 OF 4**

SCALE: 1"=20'
DATE: 27-APR-2005

DRAWN BY: E.D.
CHECKED BY: G.T.

Stanley Consultants Inc.
55 West Higgins Road, Suite 130
Chicago, Illinois 60630-2901
www.stanleygroup.com

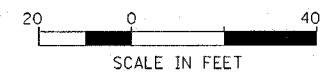
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	127
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



SEE NOTE 1

NOTES:

1. EXISTING RIP RAP SHALL BE REMOVED AND REPLACED. THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRADING PLAN

SCALE: 1"=20'
DATE: 14-JAN-2005

DRAWN BY: E.D.
CHECKED BY: G.T.

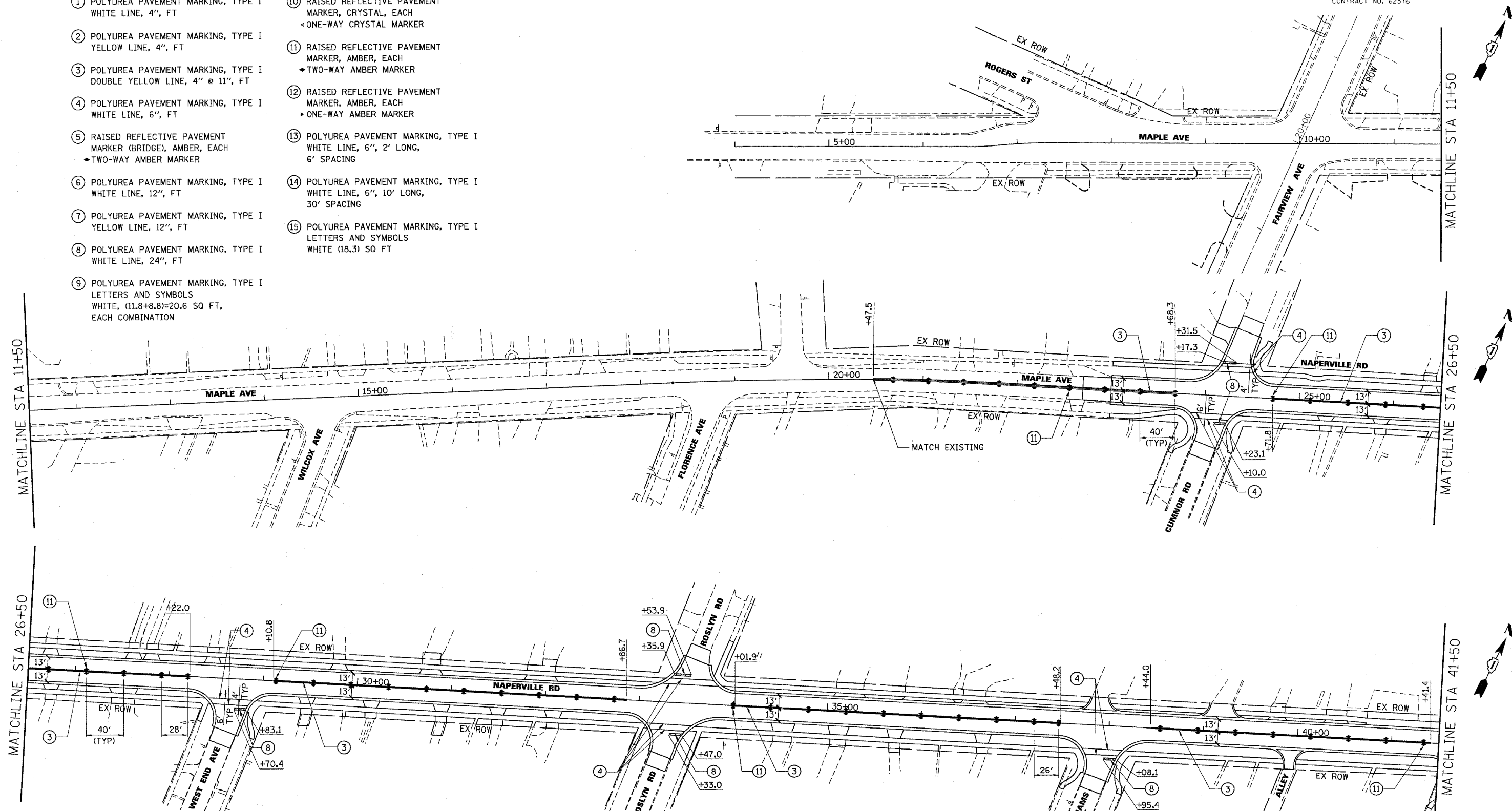
Whole Firm Registration No. 04-00533

Stanley Consultants Inc.
850 West Higgins Road, Suite 730
Chicago, Illinois 60630-290
www.stanleygroup.com

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	128
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				

LEGEND:

- | | |
|---|---|
| ① POLYUREA PAVEMENT MARKING, TYPE I
WHITE LINE, 4", FT | ⑩ RAISED REFLECTIVE PAVEMENT
MARKER, CRYSTAL, EACH
◀ ONE-WAY CRYSTAL MARKER |
| ② POLYUREA PAVEMENT MARKING, TYPE I
YELLOW LINE, 4", FT | ⑪ RAISED REFLECTIVE PAVEMENT
MARKER, AMBER, EACH
◀ TWO-WAY AMBER MARKER |
| ③ POLYUREA PAVEMENT MARKING, TYPE I
DOUBLE YELLOW LINE, 4" @ 11", FT | ⑫ RAISED REFLECTIVE PAVEMENT
MARKER, AMBER, EACH
▶ ONE-WAY AMBER MARKER |
| ④ POLYUREA PAVEMENT MARKING, TYPE I
WHITE LINE, 6", FT | ⑬ POLYUREA PAVEMENT MARKING, TYPE I
WHITE LINE, 6", 2' LONG,
6' SPACING |
| ⑤ RAISED REFLECTIVE PAVEMENT
MARKER (BRIDGE), AMBER, EACH
▶ TWO-WAY AMBER MARKER | ⑭ POLYUREA PAVEMENT MARKING, TYPE I
WHITE LINE, 6", 10' LONG,
30' SPACING |
| ⑥ POLYUREA PAVEMENT MARKING, TYPE I
WHITE LINE, 12", FT | ⑮ POLYUREA PAVEMENT MARKING, TYPE I
LETTERS AND SYMBOLS
WHITE (18.3) SQ FT |
| ⑦ POLYUREA PAVEMENT MARKING, TYPE I
YELLOW LINE, 12", FT | |
| ⑧ POLYUREA PAVEMENT MARKING, TYPE I
WHITE LINE, 24", FT | |
| ⑨ POLYUREA PAVEMENT MARKING, TYPE I
LETTERS AND SYMBOLS
WHITE, (11.8+8.8)=20.6 SQ FT,
EACH COMBINATION | |



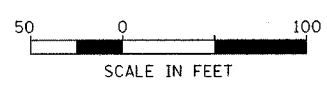
MATCHLINE STA 11+50

MATCHLINE STA 11+50

MATCHLINE STA 26+50

MATCHLINE STA 26+50

MATCHLINE STA 41+50



Illinois Firm Registration No. 84-00533

Stanley Consultants INC.
850 West Higgins Road, Suite 730
Chicago, Illinois 60630-2808
www.stanleygroup.com

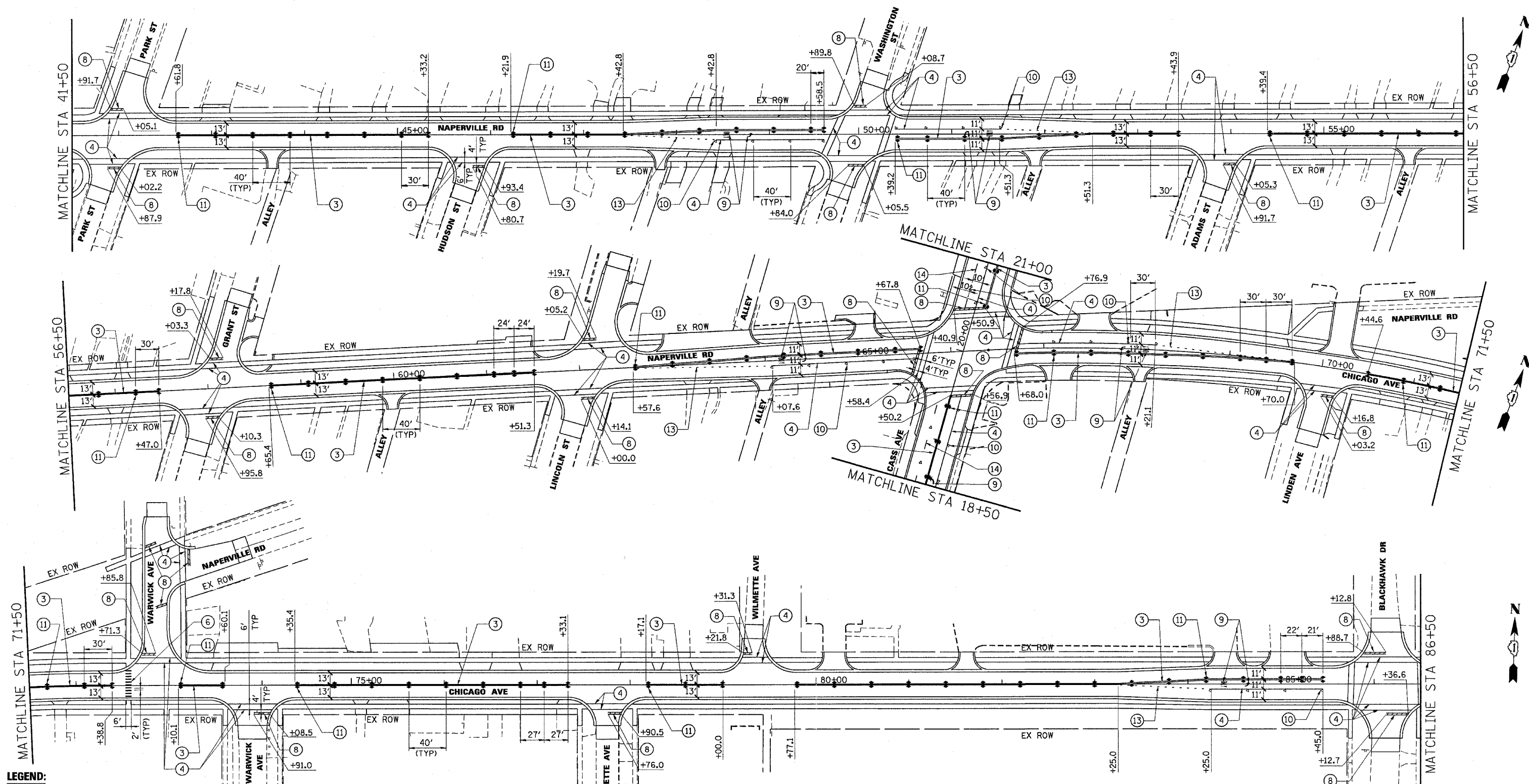
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING
MAPLE AVENUE / CHICAGO AVENUE
SHEET 1 OF 4**

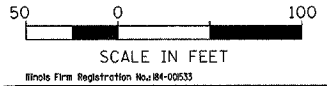
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DATE: 22-NOV-2004

DRAWN BY: E.D.
CHECKED BY: A.M.



LEGEND:

- | | | |
|---|---|--|
| ① POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 4", FT | ④ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 6", FT | ⑦ POLYUREA PAVEMENT MARKING, TYPE I, YELLOW LINE, 12", FT |
| ② POLYUREA PAVEMENT MARKING, TYPE I, YELLOW LINE, 4", FT | ⑤ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE), AMBER, EACH
◆ TWO-WAY AMBER MARKER | ⑧ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 24", FT |
| ③ POLYUREA PAVEMENT MARKING, TYPE I, DOUBLE YELLOW LINE, 4" @ 11", FT | ⑥ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 12", FT | ⑨ POLYUREA PAVEMENT MARKING, TYPE I LETTERS AND SYMBOLS WHITE, (11.8+8.8)=20.6 SQ FT, EACH COMBINATION |
| | | ⑩ RAISED REFLECTIVE PAVEMENT MARKER, CRYSTAL, EACH
◆ ONE-WAY CRYSTAL MARKER |
| | | ⑪ RAISED REFLECTIVE PAVEMENT MARKER, AMBER, EACH
◆ TWO-WAY AMBER MARKER |
| | | ⑫ RAISED REFLECTIVE PAVEMENT MARKER, AMBER, EACH
◆ ONE-WAY AMBER MARKER |
| | | ⑬ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 6", 2' LONG, 6' SPACING |
| | | ⑭ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 6", 10' LONG, 30' SPACING |
| | | ⑮ POLYUREA PAVEMENT MARKING, TYPE I, LETTERS AND SYMBOLS WHITE (18.3) SQ FT |



REVISIONS	
NAME	DATE

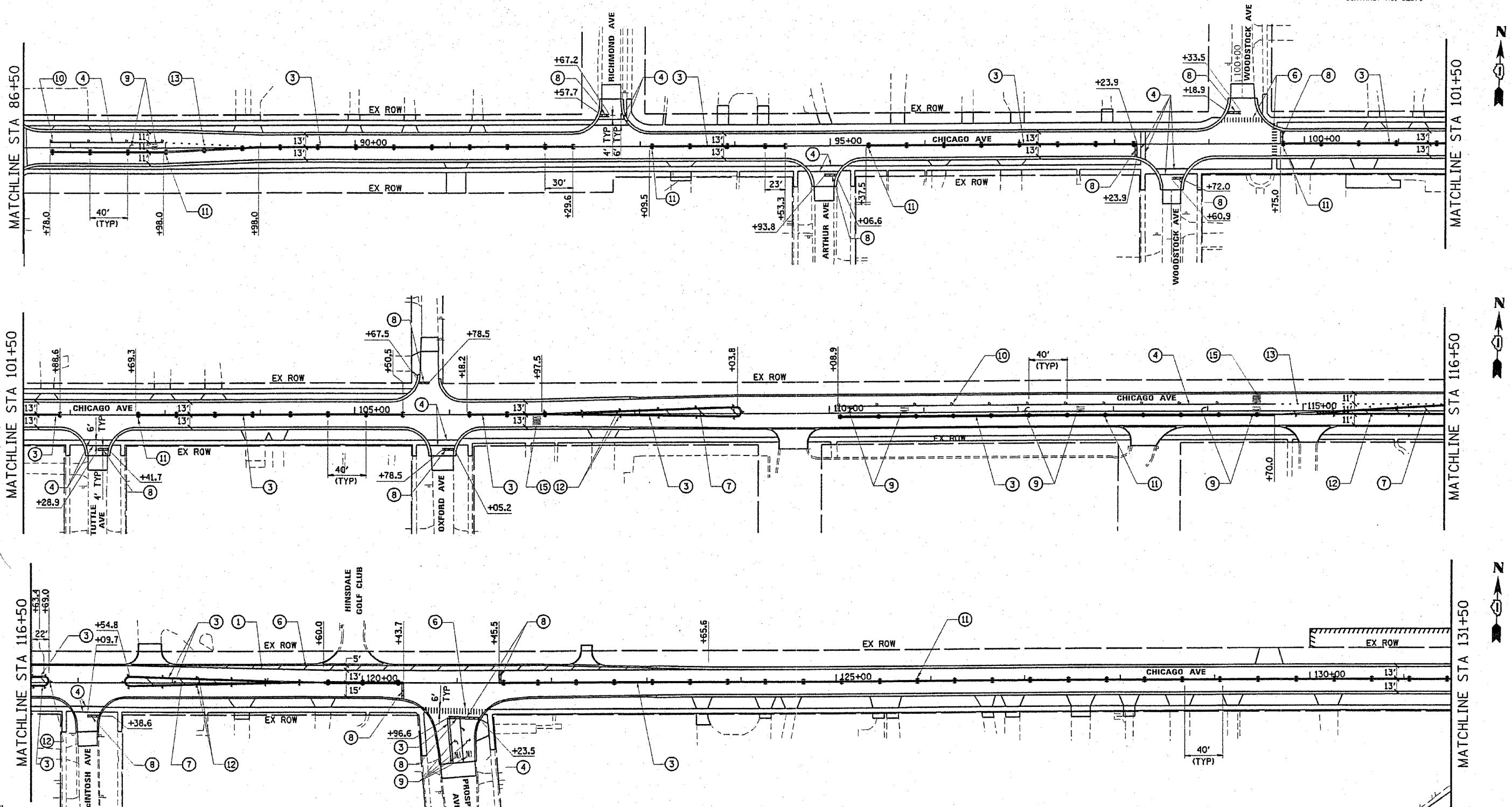
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING
MAPLE AVENUE / CHICAGO AVENUE
SHEET 2 OF 4**

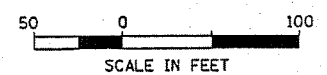
SCALE: 1"=50'
DATE: 22-NOV-2004

DRAWN BY: E.D.
CHECKED BY: A.M.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	130
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376				



- LEGEND:**
- ① POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 4", FT
 - ② POLYUREA PAVEMENT MARKING, TYPE I, YELLOW LINE, 4", FT
 - ③ POLYUREA PAVEMENT MARKING, TYPE I, DOUBLE YELLOW LINE, 4" @ 11", FT
 - ④ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 6", FT
 - ⑤ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE), AMBER, EACH - TWO-WAY AMBER MARKER
 - ⑥ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 12", FT
 - ⑦ POLYUREA PAVEMENT MARKING, TYPE I, YELLOW LINE, 12", FT
 - ⑧ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 24", FT
 - ⑨ POLYUREA PAVEMENT MARKING, TYPE I LETTERS AND SYMBOLS WHITE, (11.8+8.8)=20.6 SQ FT, EACH COMBINATION
 - ⑩ RAISED REFLECTIVE PAVEMENT MARKER, CRYSTAL, EACH - ONE-WAY CRYSTAL MARKER
 - ⑪ RAISED REFLECTIVE PAVEMENT MARKER, AMBER, EACH - TWO-WAY AMBER MARKER
 - ⑫ RAISED REFLECTIVE PAVEMENT MARKER, AMBER, EACH - ONE-WAY AMBER MARKER
 - ⑬ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 6", 2' LONG, 6' SPACING
 - ⑭ POLYUREA PAVEMENT MARKING, TYPE I, WHITE LINE, 6", 10' LONG, 30' SPACING
 - ⑮ POLYUREA PAVEMENT MARKING, TYPE I, LETTERS AND SYMBOLS WHITE (18.3) SQ FT



Whole File Registration No. 84-0953

Stanley Consultants INC.

558 West Highways Road, Suite 730
Chicago, Illinois 60679-2933
www.stanleyconsultants.com

REVISIONS	
NAME	DATE

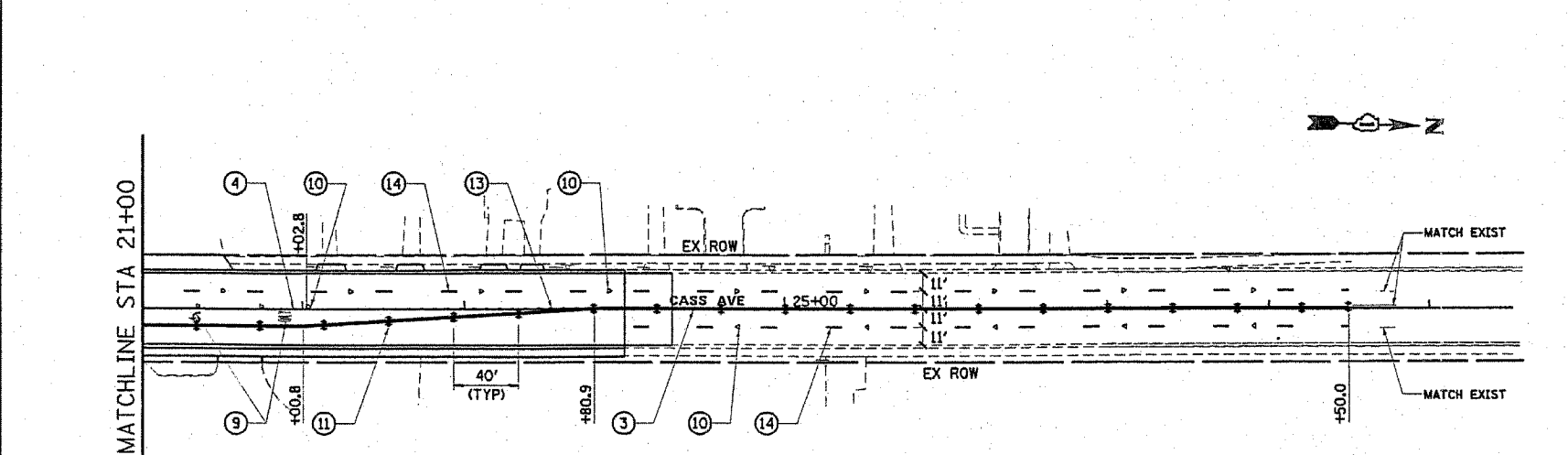
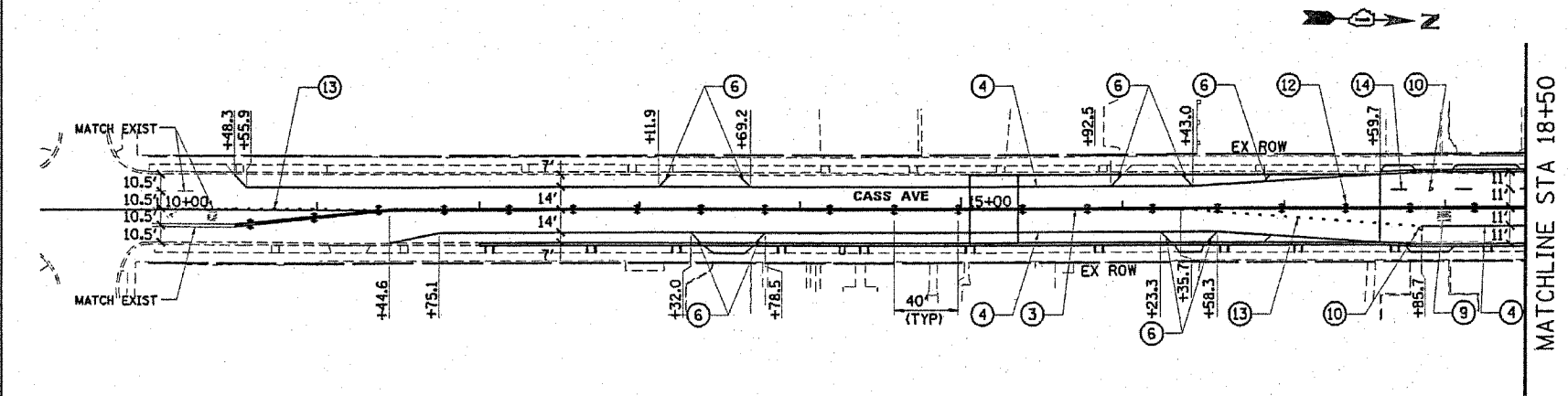
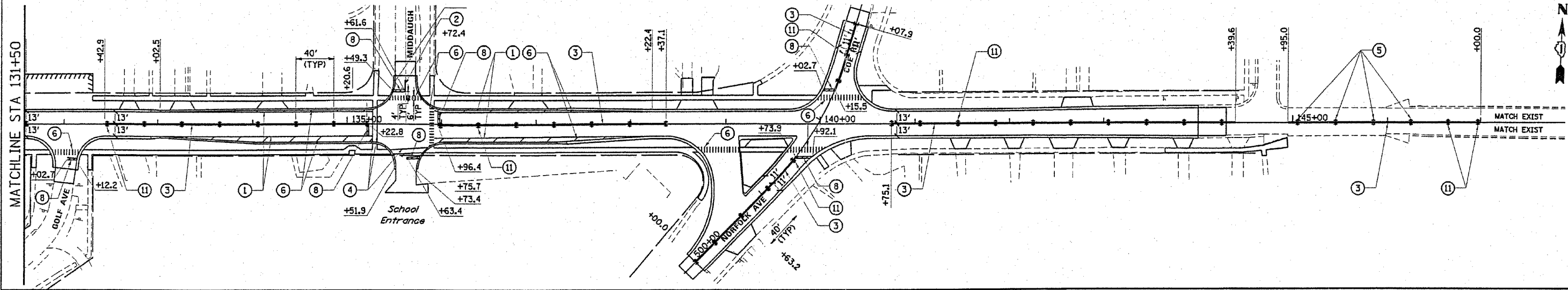
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING
MAPLE AVENUE / CHICAGO AVENUE
SHEET 3 OF 4**

SCALE: 1"=50'
DATE: 27-APR-2005

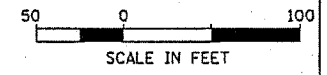
DRAWN BY: E.D.
CHECKED BY: A.M.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	131
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



LEGEND:

- ① POLYUREA PAVEMENT MARKING, TYPE I WHITE LINE, 4", FT
- ② POLYUREA PAVEMENT MARKING, TYPE I YELLOW LINE, 4", FT
- ③ POLYUREA PAVEMENT MARKING, TYPE I DOUBLE YELLOW LINE, 4" @ 11", FT
- ④ POLYUREA PAVEMENT MARKING, TYPE I WHITE LINE, 6", FT
- ⑤ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE), AMBER, EACH - TWO-WAY AMBER MARKER
- ⑥ POLYUREA PAVEMENT MARKING, TYPE I WHITE LINE, 12", FT
- ⑦ POLYUREA PAVEMENT MARKING, TYPE I YELLOW LINE, 12", FT
- ⑧ POLYUREA PAVEMENT MARKING, TYPE I WHITE LINE, 24", FT
- ⑨ POLYUREA PAVEMENT MARKING, TYPE I LETTERS AND SYMBOLS WHITE, (11.8+8.8)=20.6 SO FT, EACH COMBINATION
- ⑩ RAISED REFLECTIVE PAVEMENT MARKER, CRYSTAL, EACH - ONE-WAY CRYSTAL MARKER
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER, AMBER, EACH - TWO-WAY AMBER MARKER
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER, AMBER, EACH - ONE-WAY AMBER MARKER
- ⑬ POLYUREA PAVEMENT MARKING, TYPE I WHITE LINE, 6", 2' LONG, 6' SPACING
- ⑭ POLYUREA PAVEMENT MARKING, TYPE I WHITE LINE, 6", 10' LONG, 30' SPACING
- ⑮ POLYUREA PAVEMENT MARKING, TYPE I LETTERS AND SYMBOLS WHITE (18.3) SO FT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
MAPLE AVENUE / CHICAGO AVENUE
SHEET 4 OF 4

SCALE: 1"=50'
DATE: 27-APR-2005

DRAWN BY: E.D.
CHECKED BY: G.T.

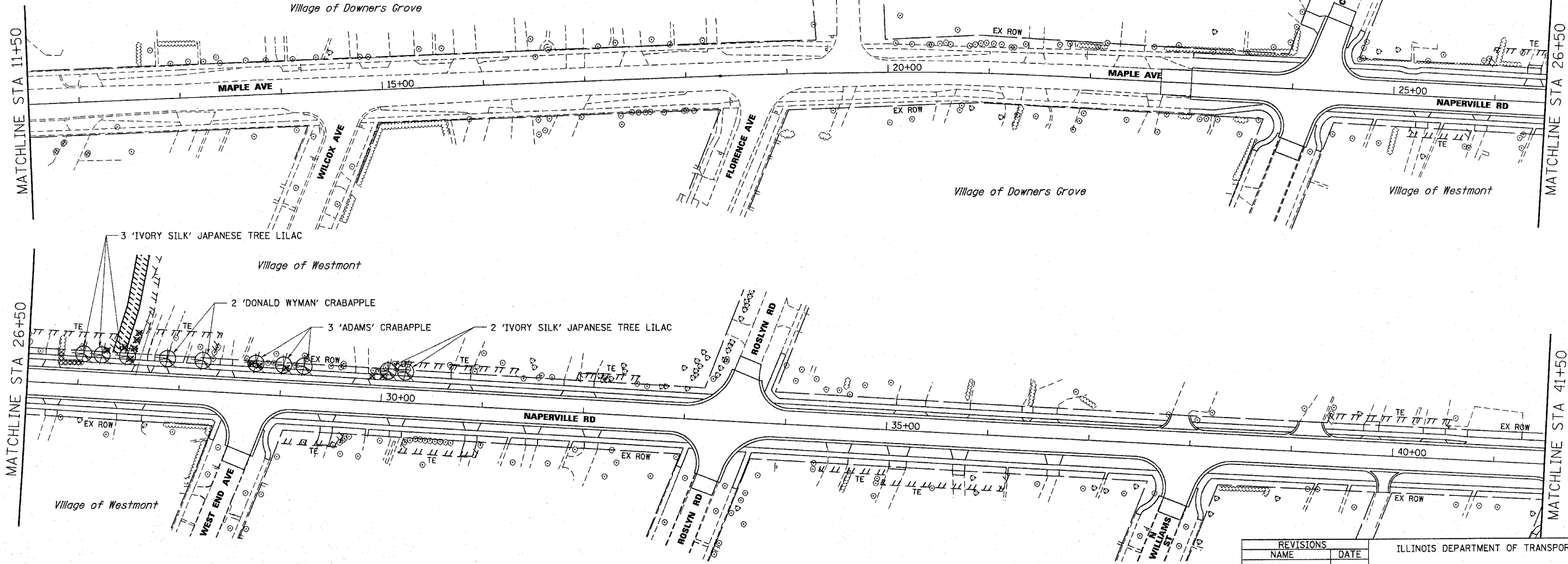


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	112	132
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				

LANDSCAPING SCHEDULE						
DESCRIPTION	UNITS	SHEET 1	SHEET 2	SHEET 3	SHEET 4	TOTAL
TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	0	7	3	15
TREE, MALUS DONALD WYMAN (DONALD WYMAN CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	0	5	0	7
TREE, MALUS ADMAS (ADAMS CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	0	2	0	5
TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	0	3	1	3	7
TREE, FRAXINUS AMERICANA AUTUMN PURPLE (AUTUM PURPLE WHITE ASH) 2" CALIPER, BALLED AND BURLAPPED	EACH	0	2	1	0	3
TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	0	3	11	5	19
TREE, GLEDISTIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	0	3	0	6	9

- LEGEND:**
- ◊ EXISTING CONIFEROUS TREE
 - EXISTING DECIDUOUS TREE
 - ◌ EXISTING SHRUBS
 - ⊕ PROPOSED SHORTER TREE
 - ⊕ PROPOSED TALLER TREE
 - ⊗ EXISTING TREE TO BE REMOVED
 - ▨ AREA OF SELECTIVE CLEARING
 - ▩ HEDGE REMOVAL (INCLUDED IN THE COST OF EARTHWORK)

NOTE:
SEE SCHEDULE OF QUANTITIES FOR LIST OF TREES TO BE REMOVED.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

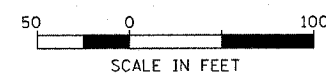
LANDSCAPING PLAN
MAPLE AVENUE / CHICAGO AVENUE
SHEET 1 OF 4

SCALE: 1"=50'
DATE: 07-JAN-2005

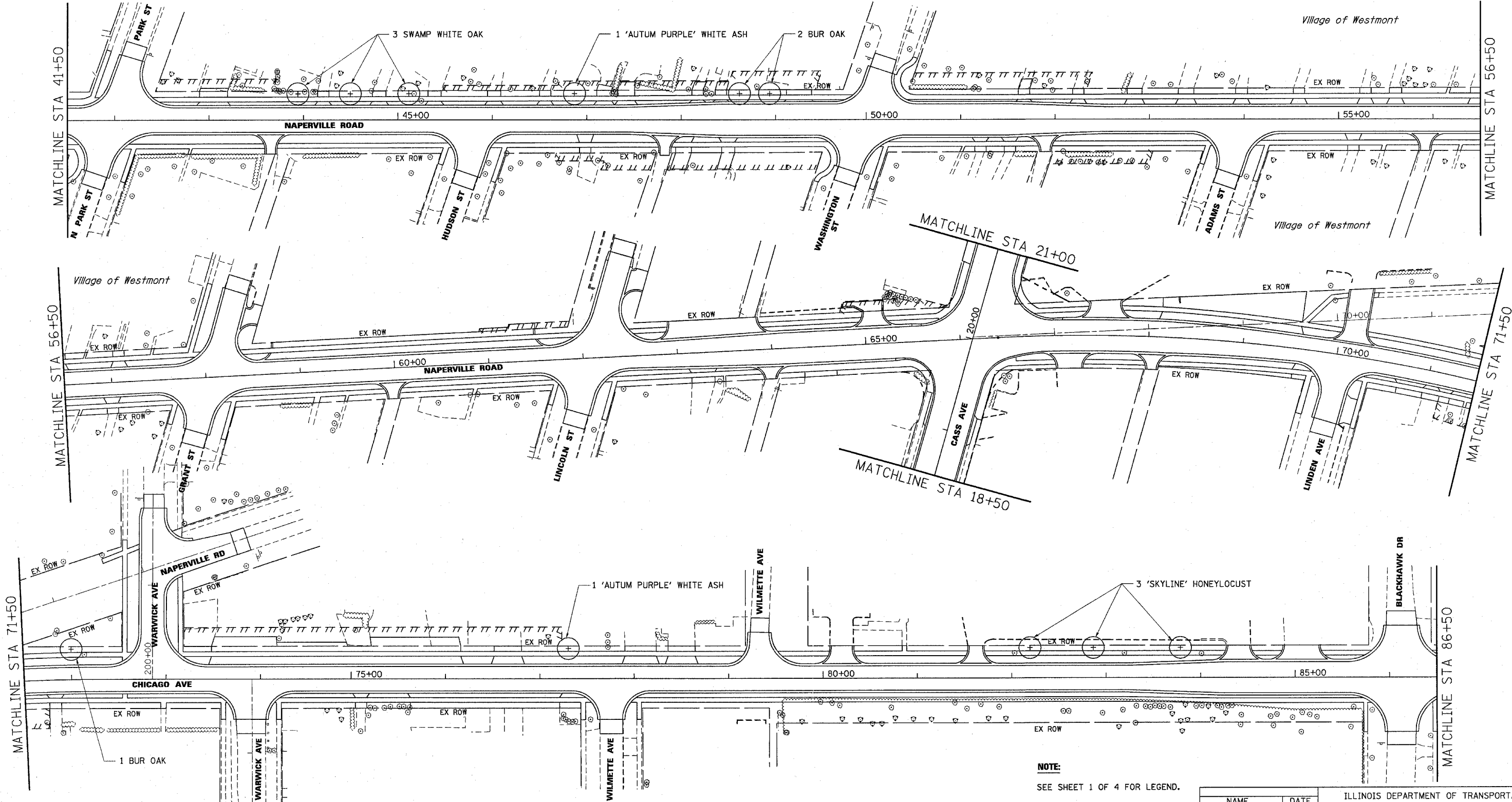
DRAWN BY: E.D.
CHECKED BY: G.T.

Illinois Firm Registration No. 04-00533

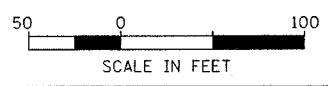
Stanley Consultants inc.
850 West Higgins Road, Suite 130
Chicago, Illinois 60638-2800
www.stanleygroup.com



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	44	133
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



NOTE:
SEE SHEET 1 OF 4 FOR LEGEND.



Illinois Firm Registration No. 04-00533

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Chicago, Illinois 60630-2068
www.stanleygroup.com

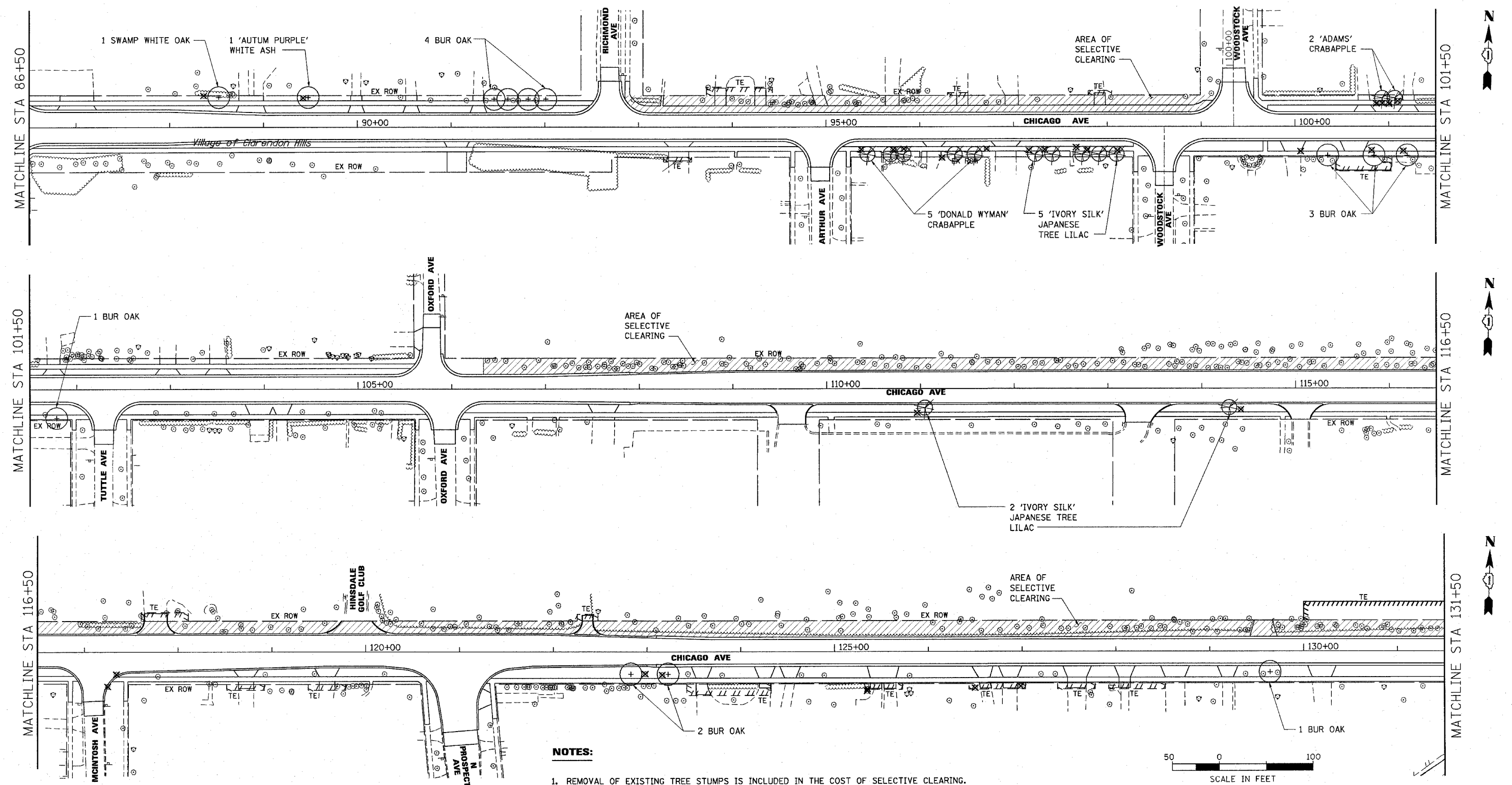
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LANDSCAPING PLAN
MAPLE AVENUE / CHICAGO AVENUE
SHEET 2 OF 4**

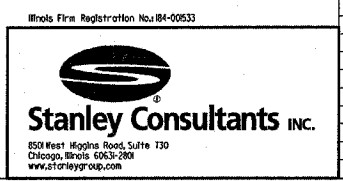
SCALE: 1"=50'
DATE: 07-JAN-2005

DRAWN BY: E.D.
CHECKED BY: G.T.



NOTES:

1. REMOVAL OF EXISTING TREE STUMPS IS INCLUDED IN THE COST OF SELECTIVE CLEARING.
2. SEE SHEET 1 OF 4 FOR LEGEND.
3. LOCATIONS OF SELECTIVE CLEARING AND VEGETATION TO BE CLEARED OR SAVED SHALL BE AS DESIGNATED BY THE ENGINEER AFTER COORDINATION WITH A REPRESENTATIVE FROM THE HINSDALE GOLF CLUB. THE ENGINEER WILL CONTACT MR. ROBERT J. MAIBUSCH AT 630-986-1323 TO COORDINATE AND IDENTIFY THE INDIVIDUAL TREES IN THESE AREAS. THE CONTRACTOR SHALL NOT REMOVE TREES IN THESE AREAS UNTIL AUTHORIZED BY THE ENGINEER.



REVISIONS	
NAME	DATE

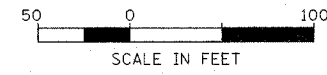
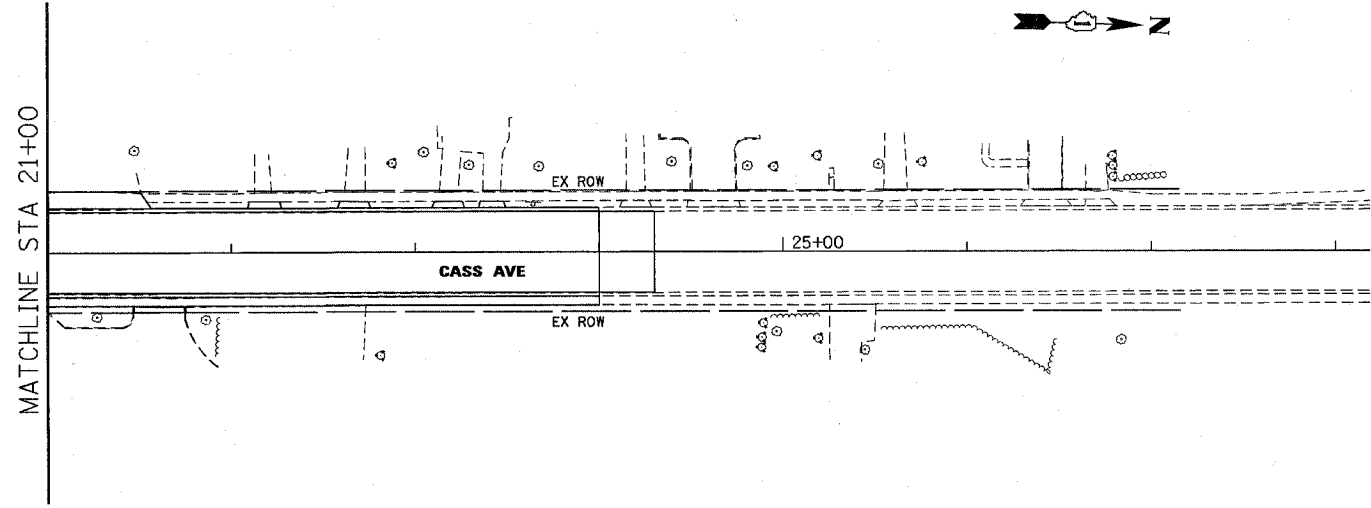
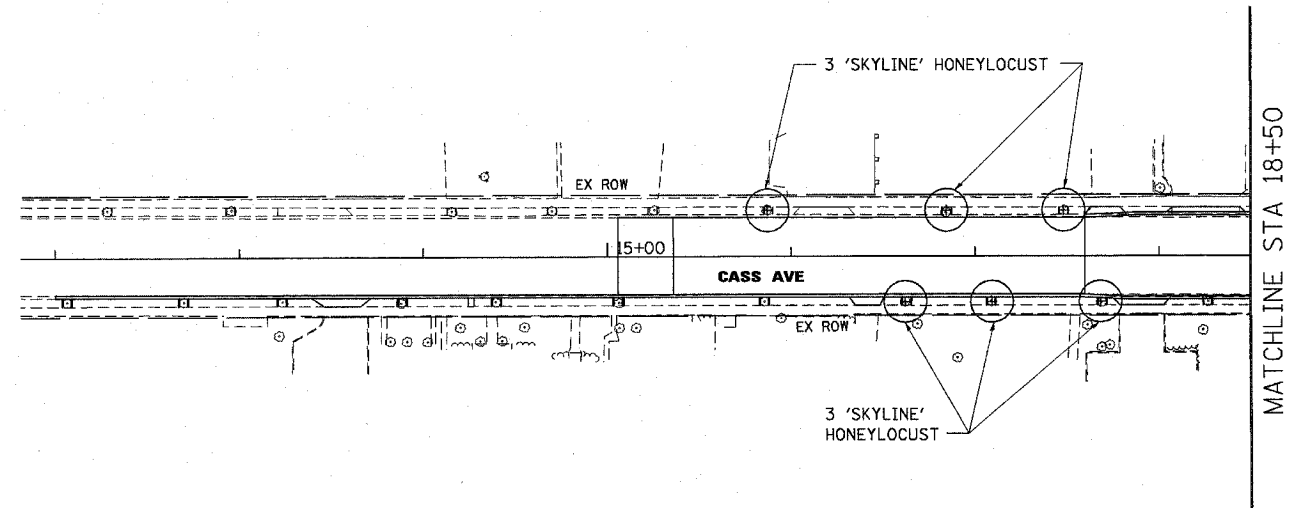
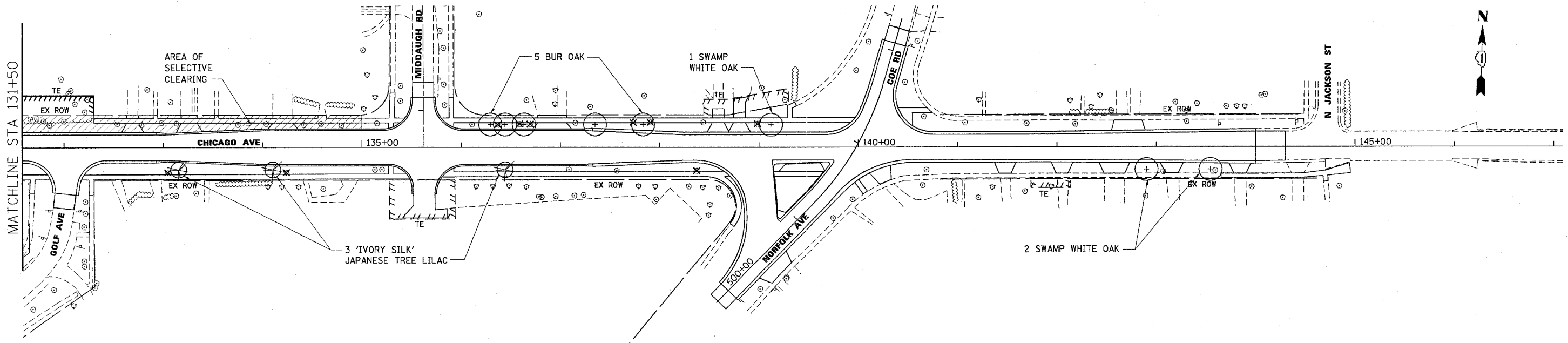
ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
MAPLE AVENUE / CHICAGO AVENUE
SHEET 3 OF 4

SCALE: 1"=50'
DATE: 14-JAN-2005

DRAWN BY: E.D.
CHECKED BY: G.T.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	4/2	1/35
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



NOTES:

1. REMOVAL OF EXISTING TREE STUMPS IS INCLUDED IN THE COST OF SELECTIVE CLEARING.
2. SEE SHEET 1 OF 4 FOR LEGEND.

Illinois Firm Registration No. 84-00533



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 Chicago, Illinois 60630-3068
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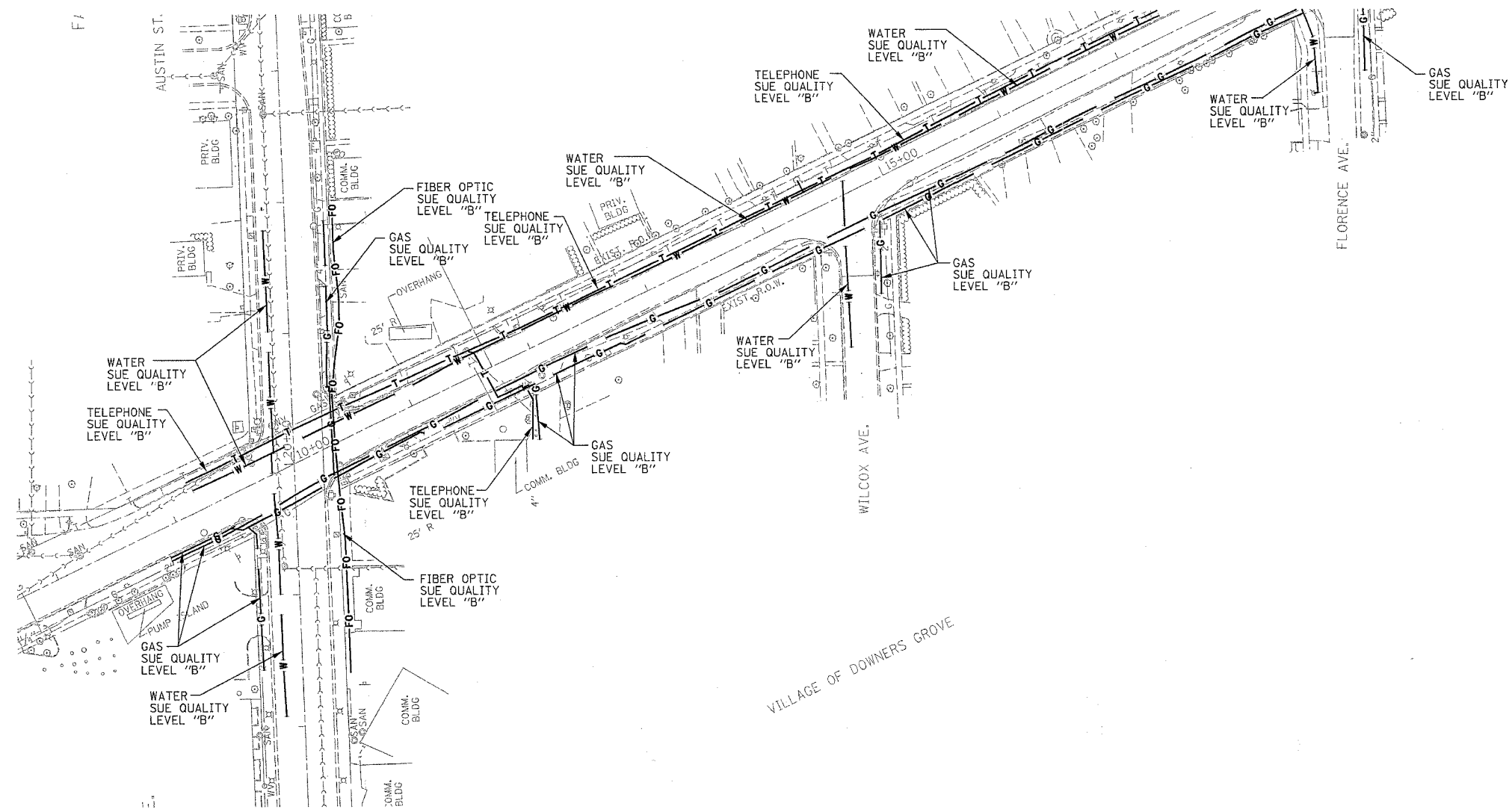
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LANDSCAPING PLAN
 MAPLE AVENUE / CHICAGO AVENUE
 SHEET 4 OF 4**

SCALE: 1"=50'
 DATE: 07-JAN-2005
 DRAWN BY: E.O.
 CHECKED BY: C.T.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	412	136
STA. 8+00	TO STA. 18+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



VILLAGE OF DOWNERS GROVE


VILLAGE OF DOWNERS GROVE

—T—T—	TELEPHONE
—W—W—	WATER
—G—G—	GAS
—CTV—CTV—	CABLE TELEVISION
—FO—FO—	FIBER OPTIC
—E—E—	ELECTRIC
⊙	TEST HOLE

TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500165, IL09500166
 TBE SUE PAGE NO: 1 of 11
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

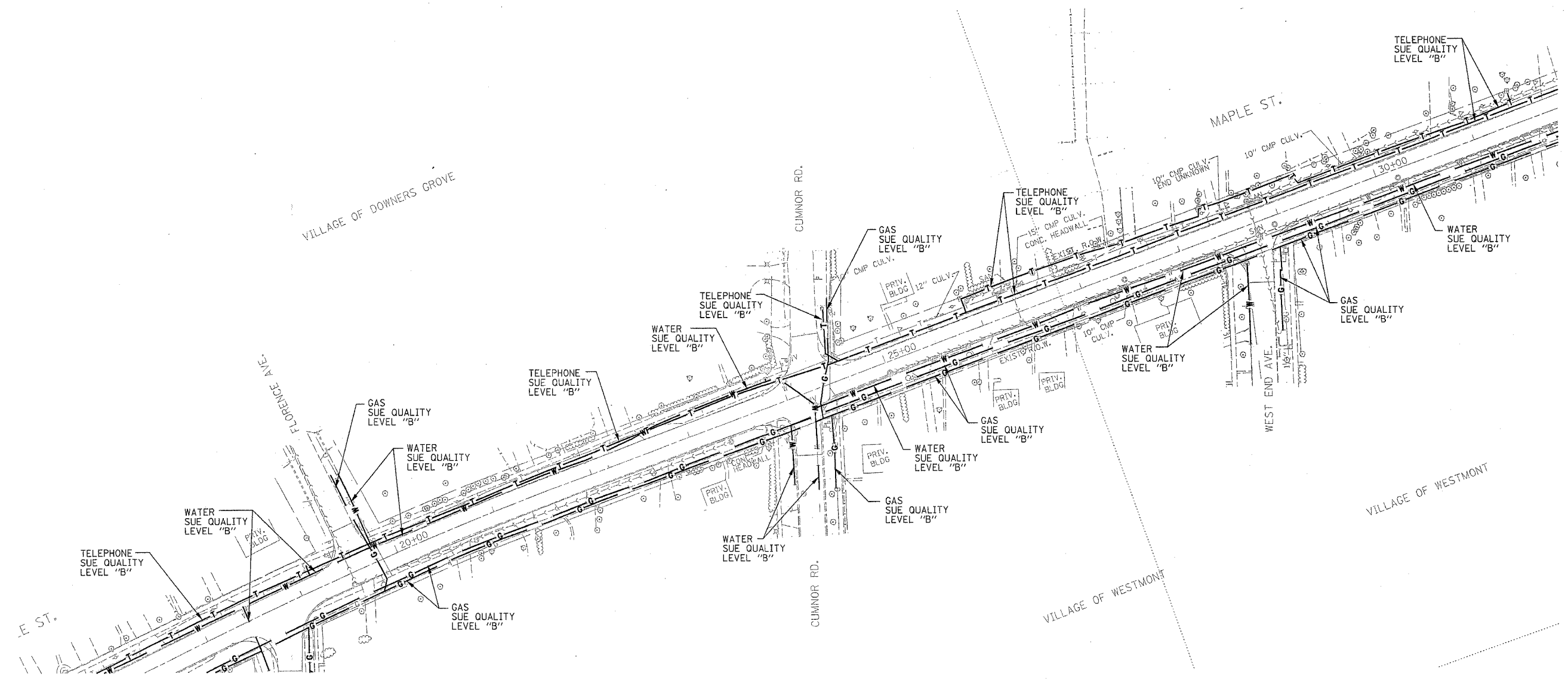
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.


 205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 CHICAGO AVE./MAPLE AVE.
 FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.)
 CONTRACT NO. 62376 DRAWN BY : KLC
 DATE SQL "B": 9/17/03 SCALE : 1" = 50'


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	422	137
STA. 18+00		TO STA. 31+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

TBE GROUP, INC.
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 * PLANNING * UTILITY ENGINEERING/LOCATING
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 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA
 IL09500165, IL09500166
 TBE SUE PAGE NO: 2 of 11
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

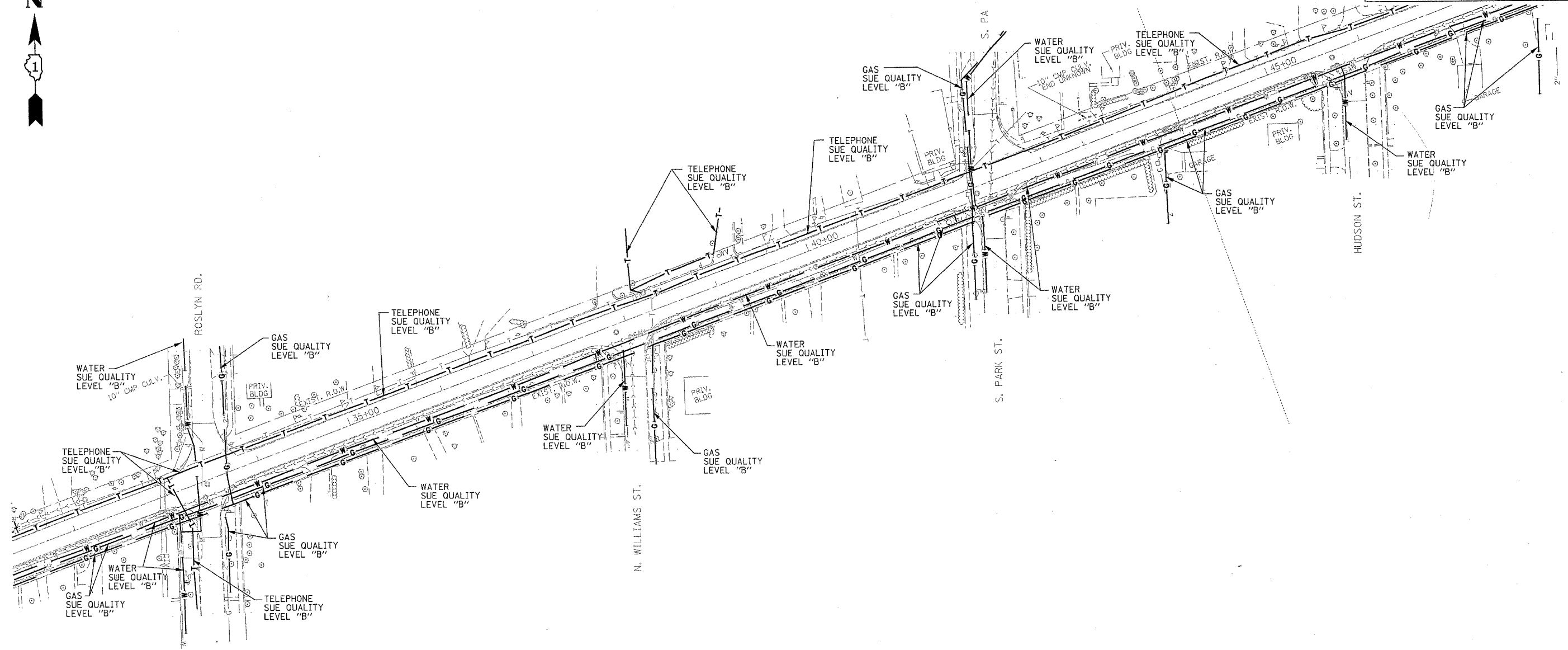
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.


 205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 CHICAGO AVE./MAPLE AVE.
 FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.)
 CONTRACT NO. 62376
 DATE SQL "B": 9/17/03
 DRAWN BY : KLC
 SCALE : 1" = 50'

CONTRACT NO. 62376		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1487	66R	Dupage	412	138
		STA. 31+00		TO STA. 47+00		
		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊕	TEST HOLE

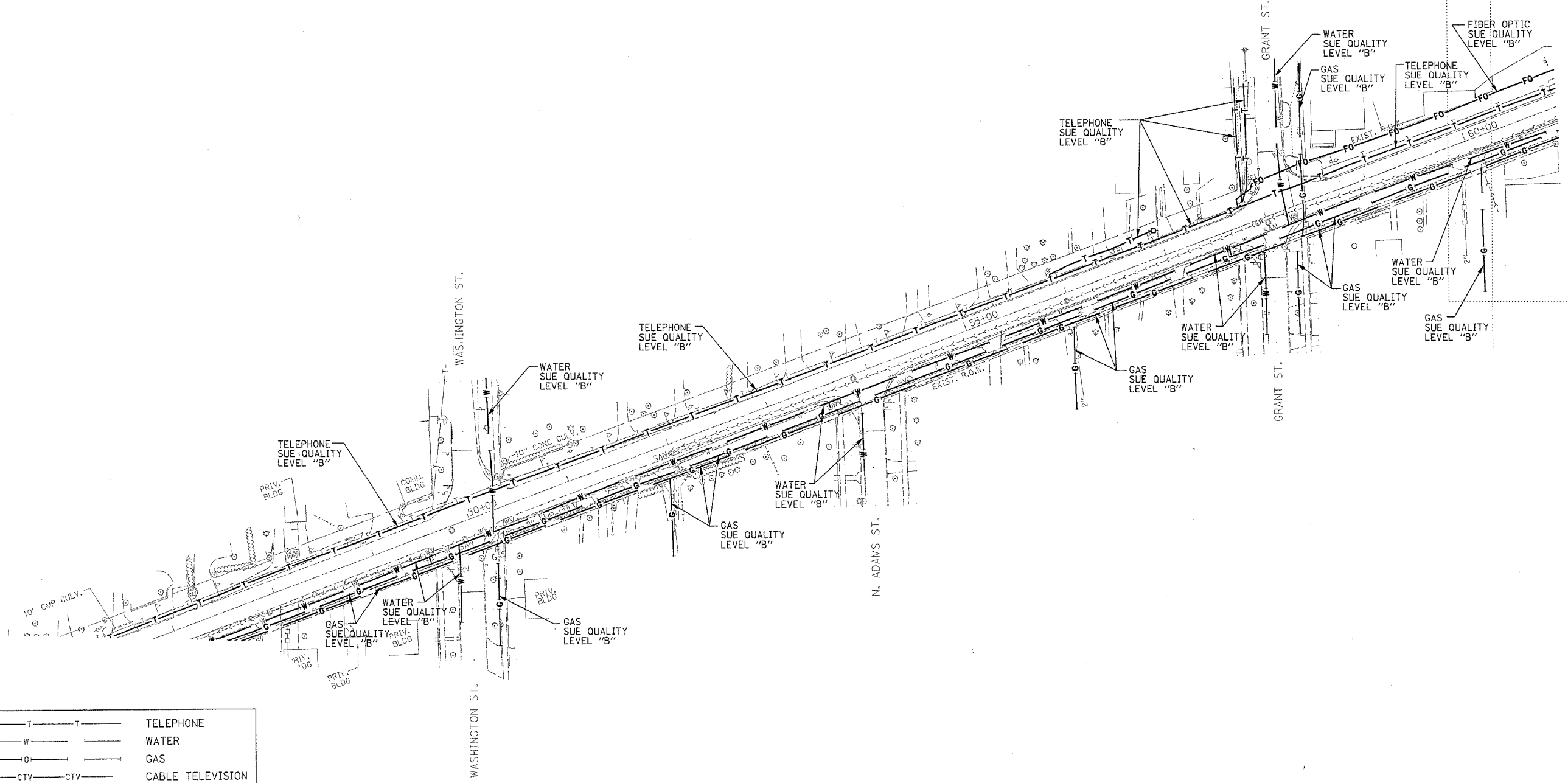
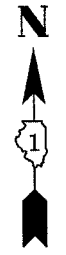
TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500165, IL09500166
 TBE SUE PAGE NO: 3 of 11
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 63 (KINGERY HWY.) CONTRACT NO. 62376 DATE SQL "B": 9/17/03
	NAME	DATE	
205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	DRAWN BY : KLC SCALE : 1" = 50'		


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	418	139
STA. 47+00.		TO STA. 60+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



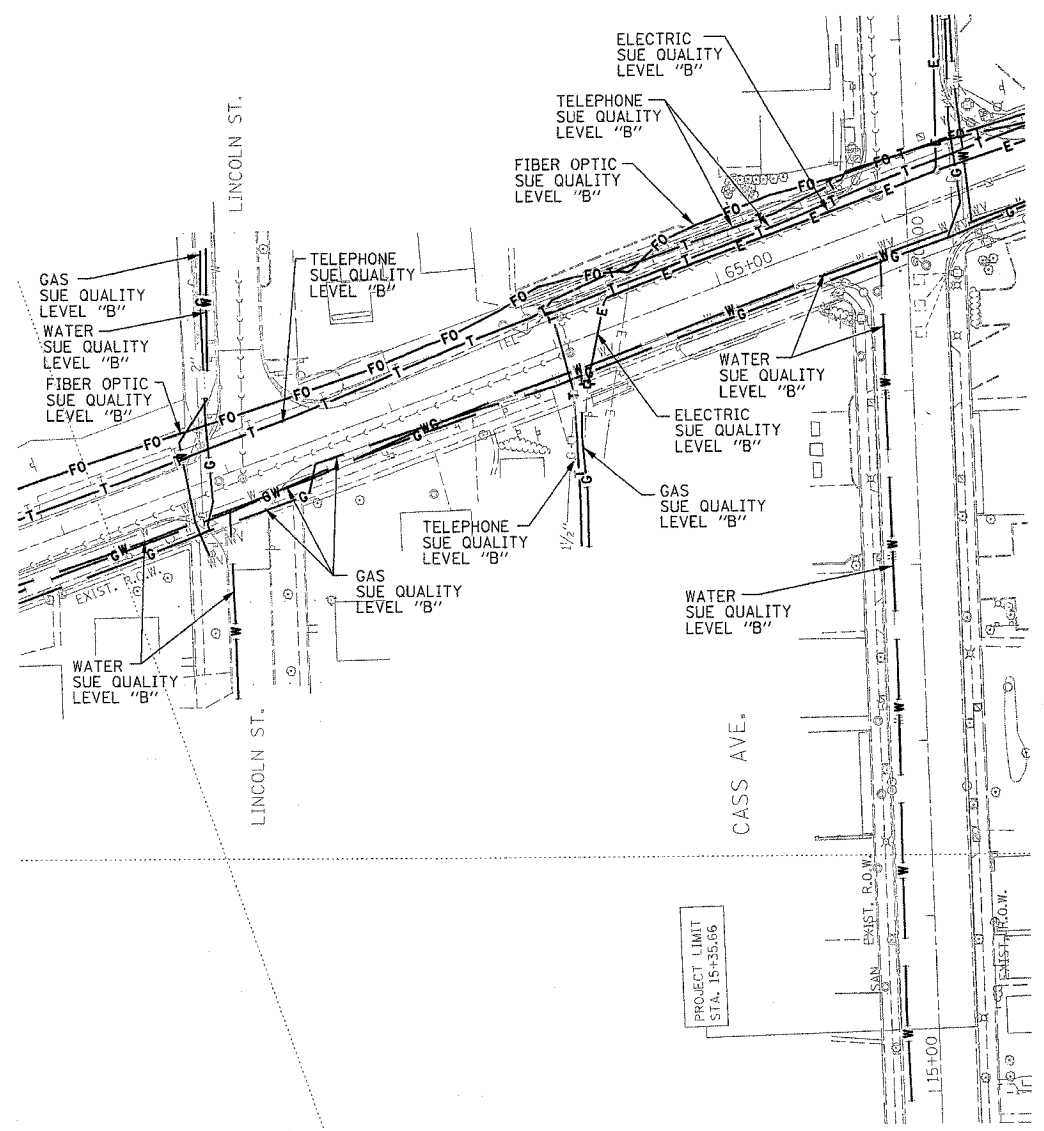
— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

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 * PLANNING * UTILITY ENGINEERING * LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA
 IL09500165, IL09500166
 TBE SUE PAGE NO: 4 of 11
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

 205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.) CONTRACT NO. 62376 DATE SQL "B": 9/17/03
	NAME	DATE	
		DRAWN BY : KLC SCALE : 1" = 50'	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	140	140
STA. 60+50		TO STA. 66+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



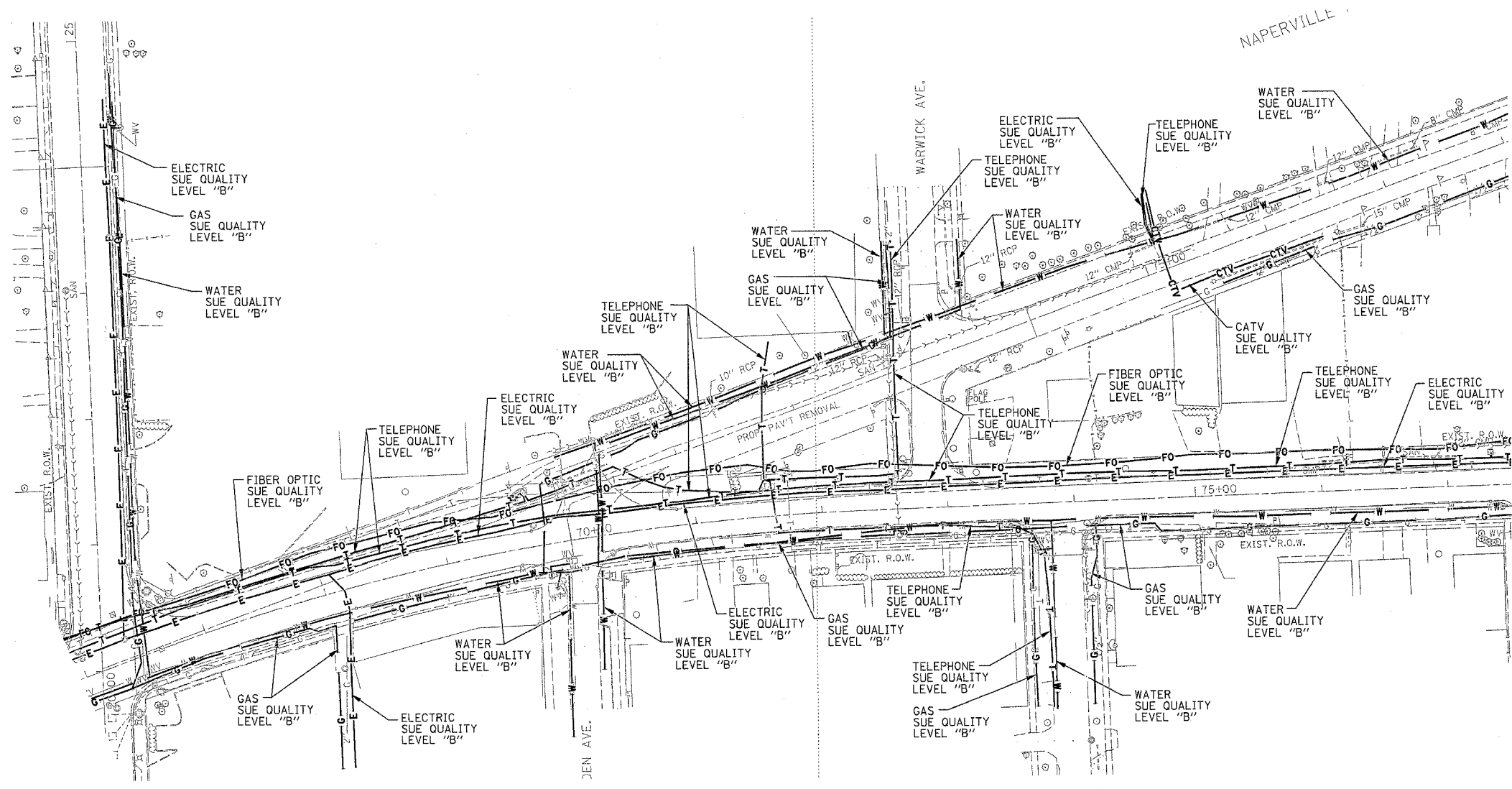
— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA
 IL09500165, IL09500166
 TBE SUE PAGE NO: 5 of 11
 Checked by: *Sandra [Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

 205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.) CONTRACT NO. 62376 DATE SQL "B": 9/17/03
	NAME	DATE	
		DRAWN BY : KLC SCALE : 1" = 50'	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14B7	66R	Dupage	442	141
STA. 66+00		TO STA. 77+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

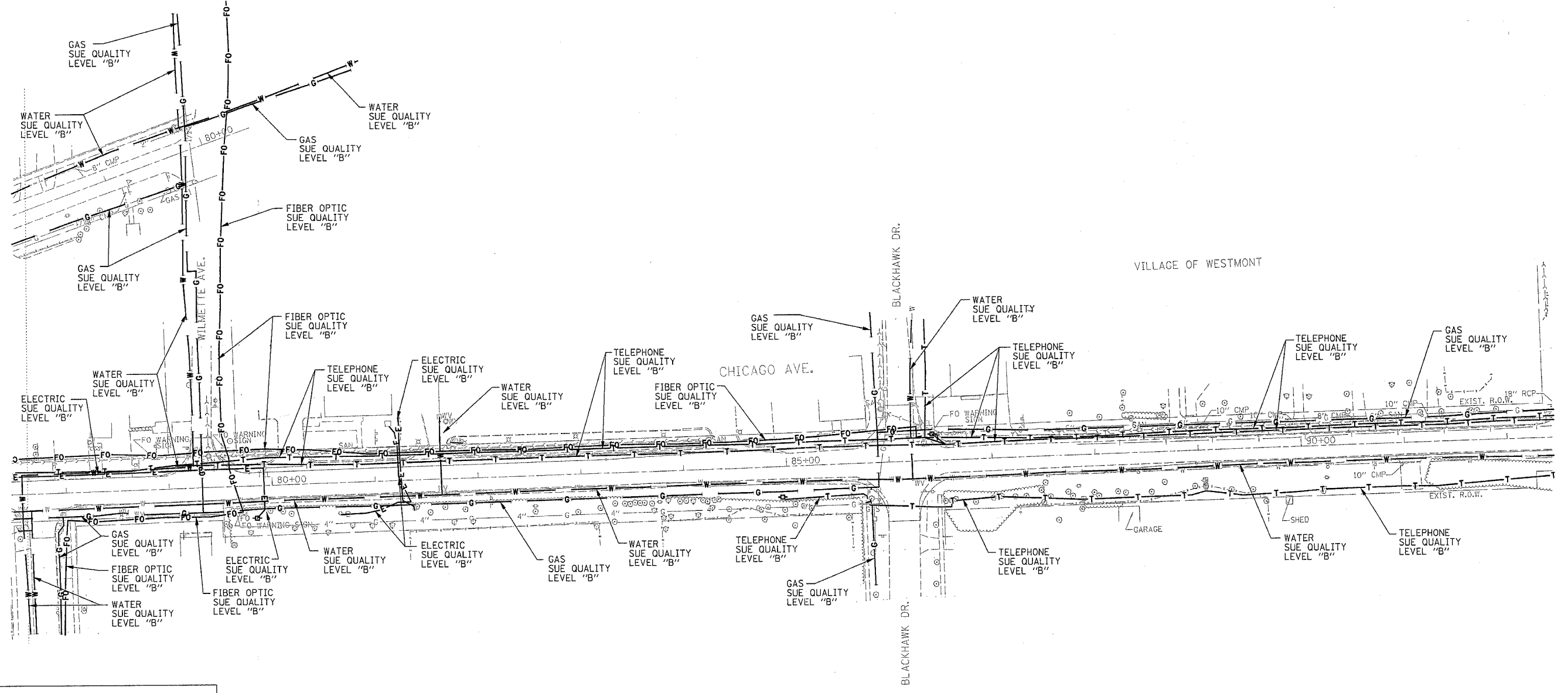
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 * PLANNING * UTILITY ENGINEERING/LOCATING
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 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500165, IL09500166
 TBE SUE PAGE NO: 6 of 11
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

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 205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.) CONTRACT NO. 62376 DATE SOL "B": 9/17/03
	NAME	
	DATE	
	DRAWN BY : KLC	SCALE : 1" = 50'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
1487	66R	Dupage	142-142
STA. 77+50	TO STA. 92+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376			



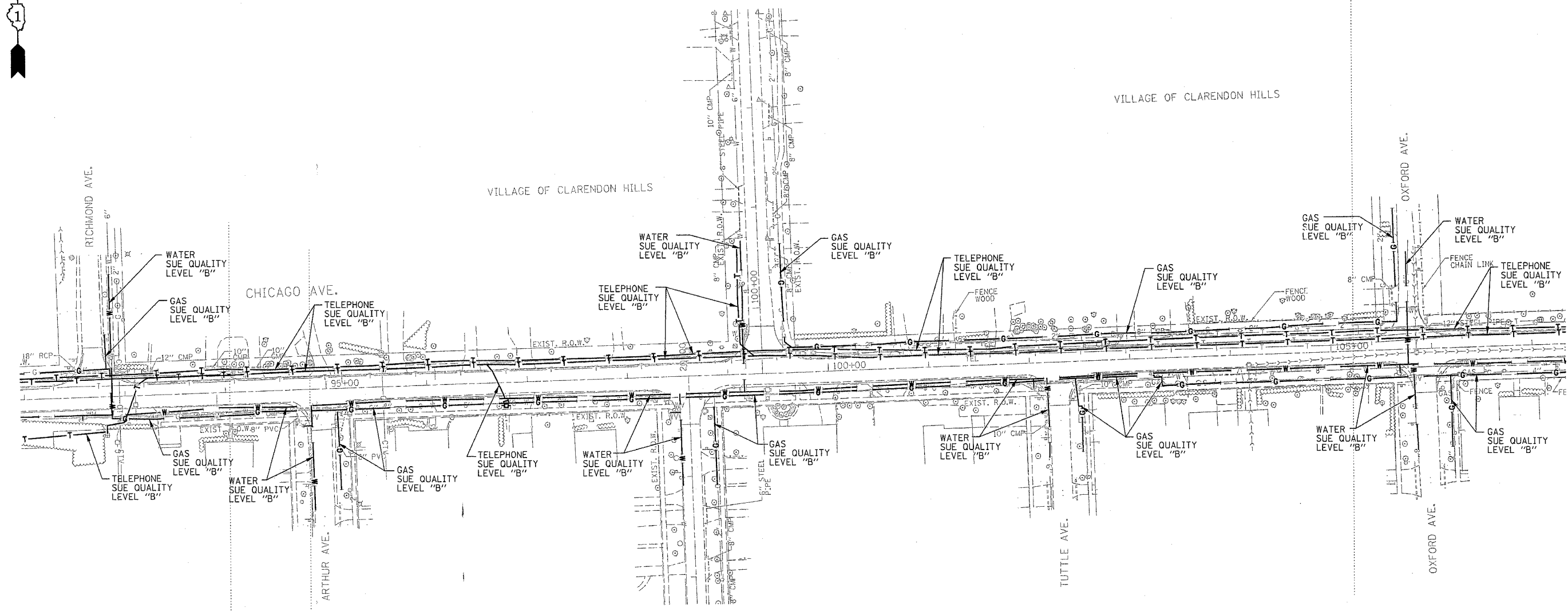
— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊕	TEST HOLE

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 IL09500165, IL09500166
 TBE SUE PAGE NO: 7 of 11
 Checked by: *[Signature]*
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<p>205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970</p>	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.) CONTRACT NO. 62376 DATE SOL "B": 9/17/03
	NAME	DATE	
		DRAWN BY : KLC SCALE : 1" = 50'	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
1487	66R	Dupage	142 143
STA. 92+00		TO STA. 107+00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
CONTRACT NO. 62376			



— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

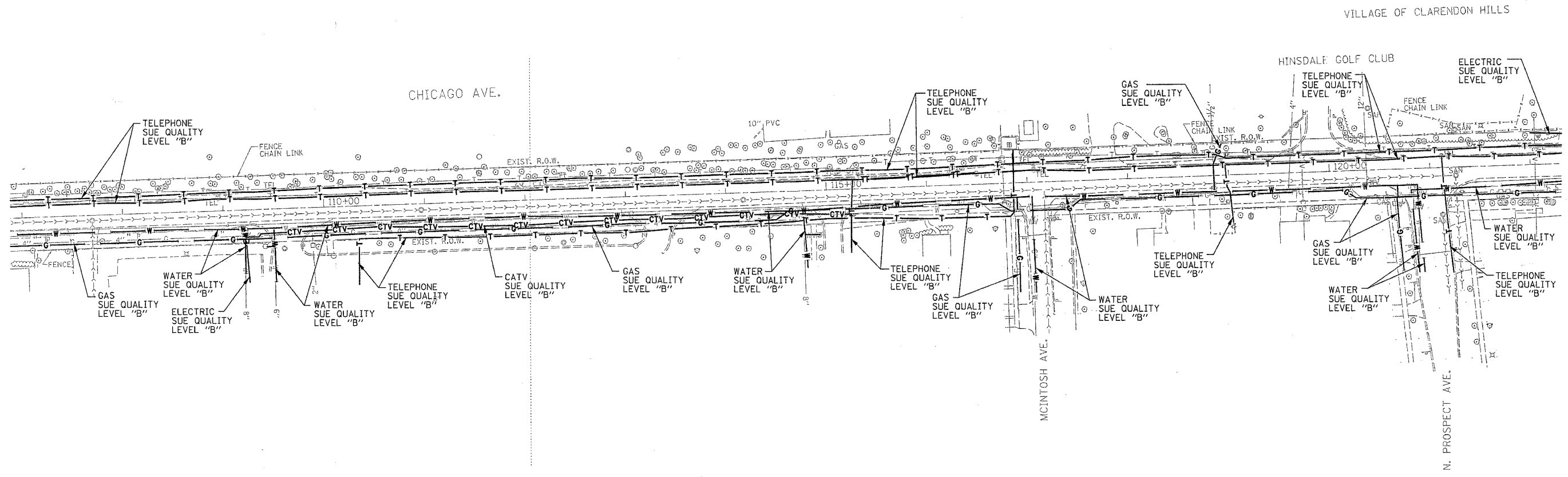
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IL09500165, IL09500166
 TBE SUE PAGE NO: 8 of 11
 Checked by: *S. A. [Signature]*
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	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.)
	NAME	DATE	
205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	CONTRACT NO. 62376 DATE SQL "B": 9/17/03	DRAWN BY : KLC SCALE : 1" = 50'	


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	398	144
STA. 107+00		TO STA. 122+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



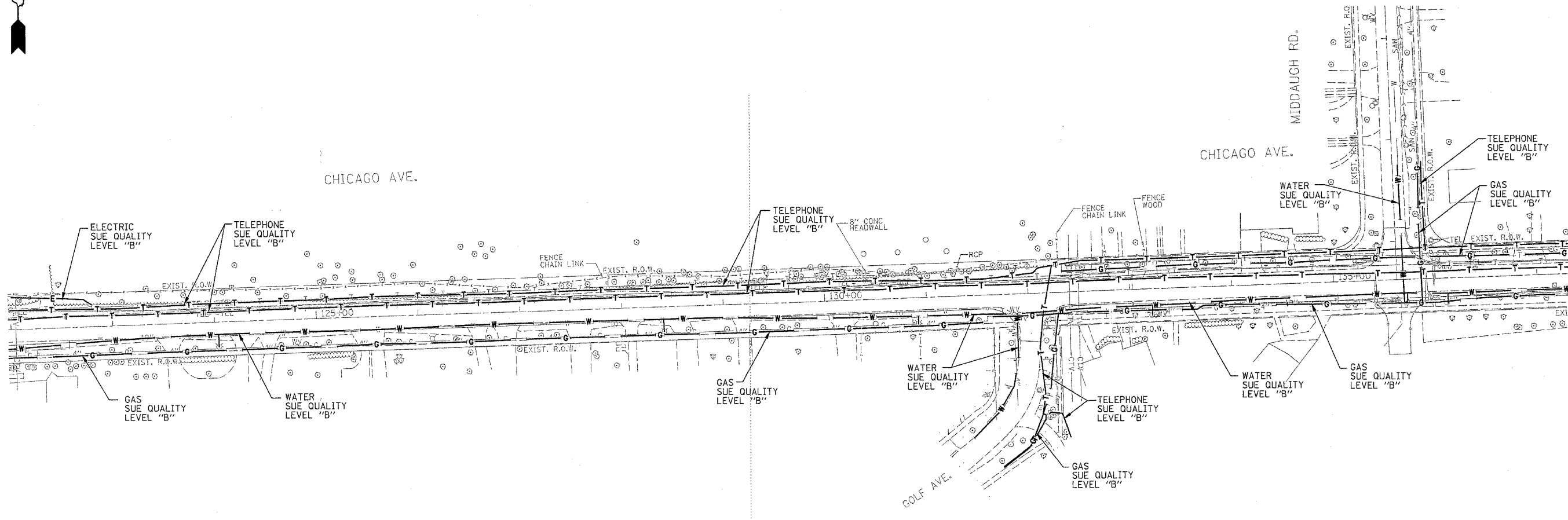
—T—T—	TELEPHONE
—W—W—	WATER
—G—G—	GAS
—CTV—CTV—	CABLE TELEVISION
—FO—FO—	FIBER OPTIC
—E—E—	ELECTRIC
⊙	TEST HOLE

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 SOUTHERN REGION: FL, GA, SC, NC
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 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA
 IL09500165, IL09500166
 TBE SUE PAGE NO: 9 of 11
 Checked by: *Sandra [Signature]*
 SUE Quality Level "A" : Test Holes
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 205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	REVISIONS NAME DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION SUE Investigation of Underground Utilities CHICAGO AVE./MAPLE AVE. FROM FAIRVIEW AVE. TO IL RTE. 83 (KINGERY HWY.) CONTRACT NO. 62376 DRAWN BY : KLC DATE SQL "B": 9/17/03 SCALE : 1" = 50'
	(Empty revision table)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	112	145
STA. 122+00		TO STA. 137+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				




— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

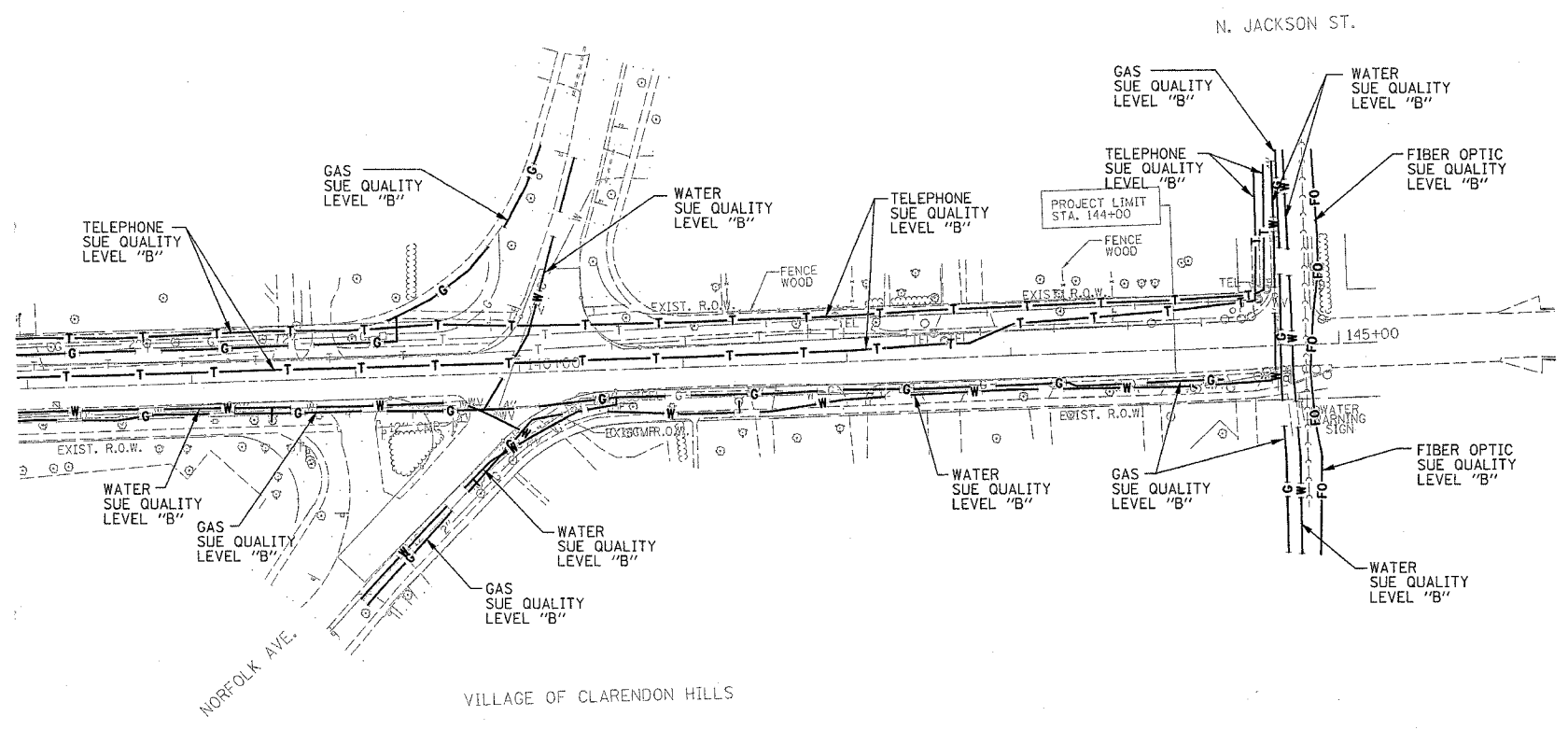
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IL09500165, IL09500166
 TBE SUE PAGE NO: 10 of 11
 Checked by: *Sandra [Signature]*
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	NAME	DATE	
		DRAWN BY : KLC SCALE : 1" = 50'	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	Dupage	412	146
STA. 137+00		TO STA. 145+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376				




— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
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— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC
⊙	TEST HOLE

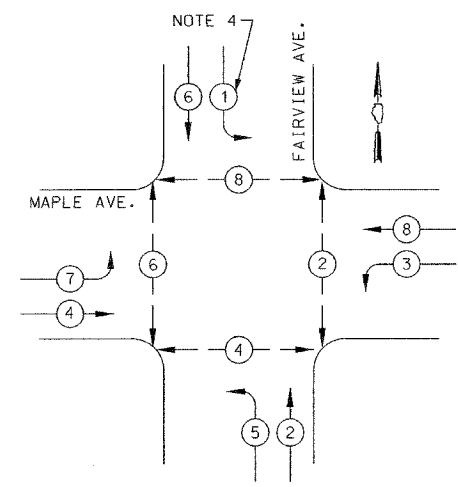
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IL09500165, IL09500166
 TBE SUE PAGE NO: 11 of 11
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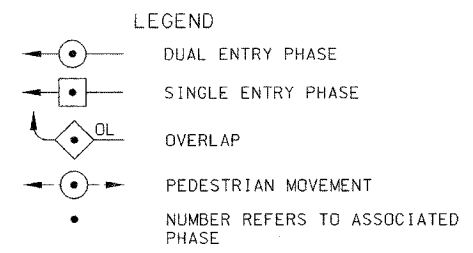
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EXISTING CONTROLLER SEQUENCE

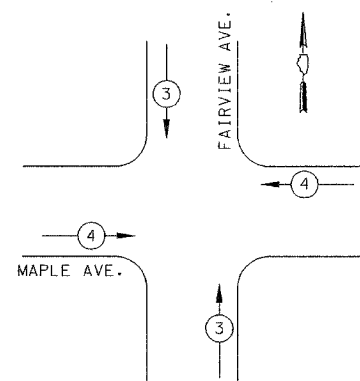


PHASE DESIGNATION DIAGRAM

- NOTES: 1) PHASE 5 OMITTED EXCEPT DURING THE A.M. PEAK HOUR.
 2) PHASE 1 OMITTED EXCEPT DURING THE P.M. PEAK HOUR.
 3) WHEN QUEUED TRAFFIC ON SOUTHBOUND FAIRVIEW IS DETECTED, PHASES 3 AND 6 SHALL BE OMITTED FROM SEQUENCE. BLANK-OUT SIGNS SHALL CONCURRENTLY BE ACTIVATED.



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

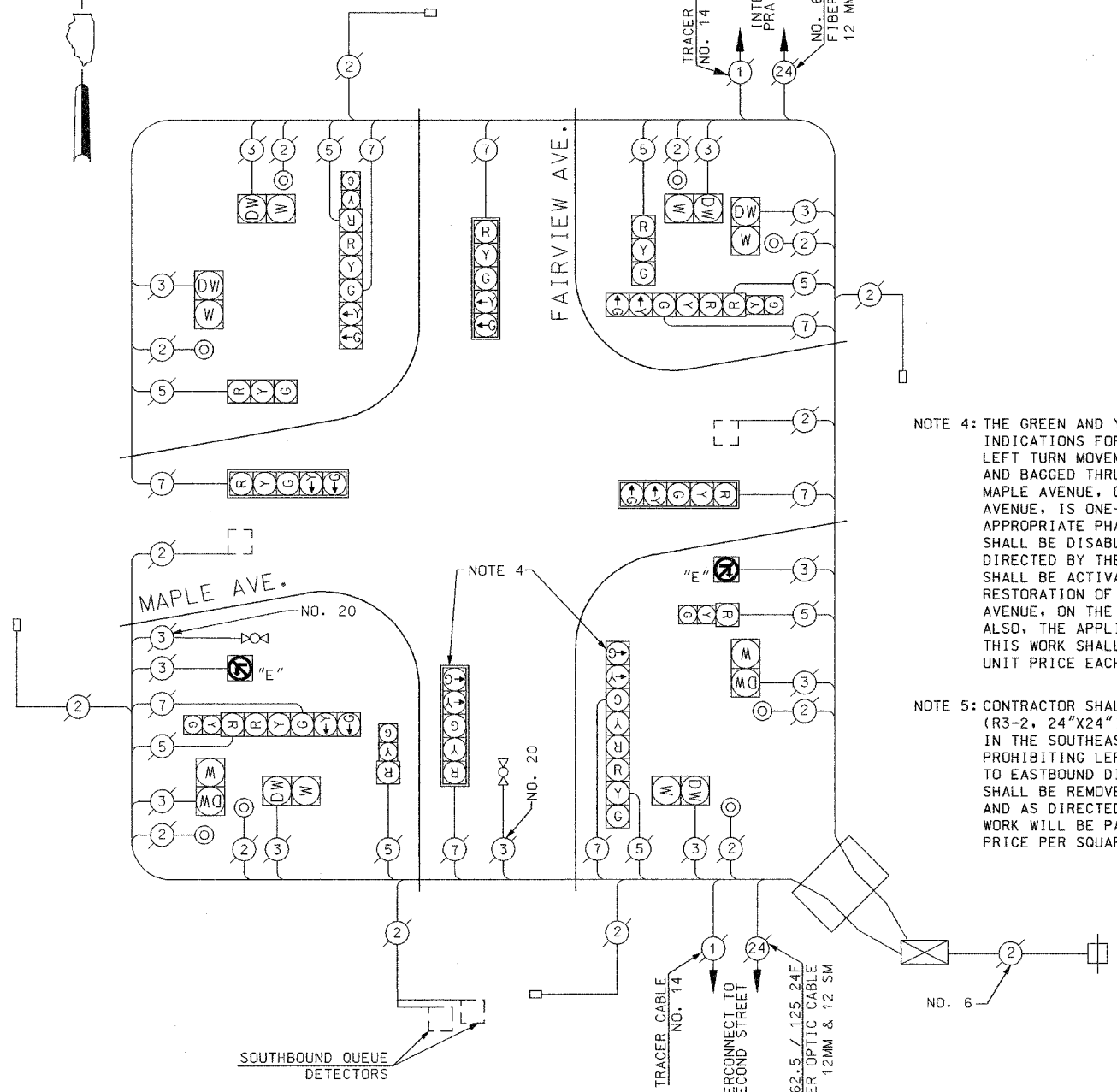


PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↑ ↓ ← →

CABLE PLAN LEGEND

	EXISTING	PROPOSED
8" TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
12" TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
12" PEDESTRIAN SIGNAL SECTION	[Symbol]	[Symbol]
12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER	[Symbol]	[Symbol]
CONTROLLER CABINET SERVICE INSTALLATION	[Symbol]	[Symbol]
TELEPHONE CONNECTION	[Symbol]	[Symbol]
MAGNETIC DETECTOR	[Symbol]	[Symbol]
EMERGENCY VEHICLE LIGHT DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
VEHICLE DETECTOR, INDUCTION LOOP	[Symbol]	[Symbol]
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.	[Symbol]	[Symbol]
SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD.	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	[Symbol]	[Symbol]
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	[Symbol]	[Symbol]
GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER	[Symbol]	[Symbol]
GROUND ROD AT POST OR MAST ARM POLE	[Symbol]	[Symbol]
GROUND ROD AT ELECTRICAL SERVICE INSTALLATION	[Symbol]	[Symbol]
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	[Symbol]	[Symbol]
FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F & SM12F	[Symbol]	[Symbol]
LUMINAIRE, 250 W HPS	[Symbol]	[Symbol]

NOTE: THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION



EXISTING CABLE PLAN NOT TO SCALE

- NOTE 4: THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS FOR SOUTHBOUND TO EASTBOUND LEFT TURN MOVEMENT SHALL BE DISCONNECTED AND BAGGED THRUOUT THE CONSTRUCTION WHEN MAPLE AVENUE, ON THE EASTSIDE OF FAIRVIEW AVENUE, IS ONE-WAY WESTBOUND. THE APPROPRIATE PHASE FOR THIS MOVEMENT (PHASE 1) SHALL BE DISABLED AS SHOWN IN THE PLAN AND AS DIRECTED BY THE ENGINEER. THE SIGNAL INDICATIONS SHALL BE ACTIVATED AND UNBAGGED UPON RESTORATION OF TWO-WAY TRAFFIC ON MAPLE AVENUE, ON THE EAST SIDE OF FAIRVIEW AVENUE. ALSO, THE APPLICABLE PHASE SHALL BE ACTIVATED. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "MODIFY EXISTING CONTROLLER".
- NOTE 5: CONTRACTOR SHALL INSTALL A NO LEFT TURN SIGN (R3-2, 24"x24") ON THE MAST ARM AND ON THE POST IN THE SOUTHEAST CORNER OF THE INTERSECTION FOR PROHIBITING LEFT TURN MOVEMENT FOR SOUTHBOUND TO EASTBOUND DIRECTION OF TRAVEL. THESE SIGNS SHALL BE REMOVED UPON COMPLETION OF THE WORK AND AS DIRECTED BY THE ENGINEER. THIS ITEM OF WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "SIGN PANEL - TYPE 1".

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
8	SQFT	SIGN PANEL - TYPE 1
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	OPERATION		
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	1080
(YELLOW)	16	135	25	0.25	439
(GREEN)	16	135	15	0.25	439
ARROW	16	135	12	0.10	216
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 2994
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: BOB TAYLOR PHONE: 630-985-4055 COMPANY: COMMONWEALTH EDISON					

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MODIFICATION OF EXISTING CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES FAIRVIEW AVENUE AT MAPLE AVENUE
 SCALE: N.T.S.
 DATE: FEBRUARY 21, 2005
 DRAWN BY: -
 DESIGNED BY: -
 CHECKED BY: -

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS 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 OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

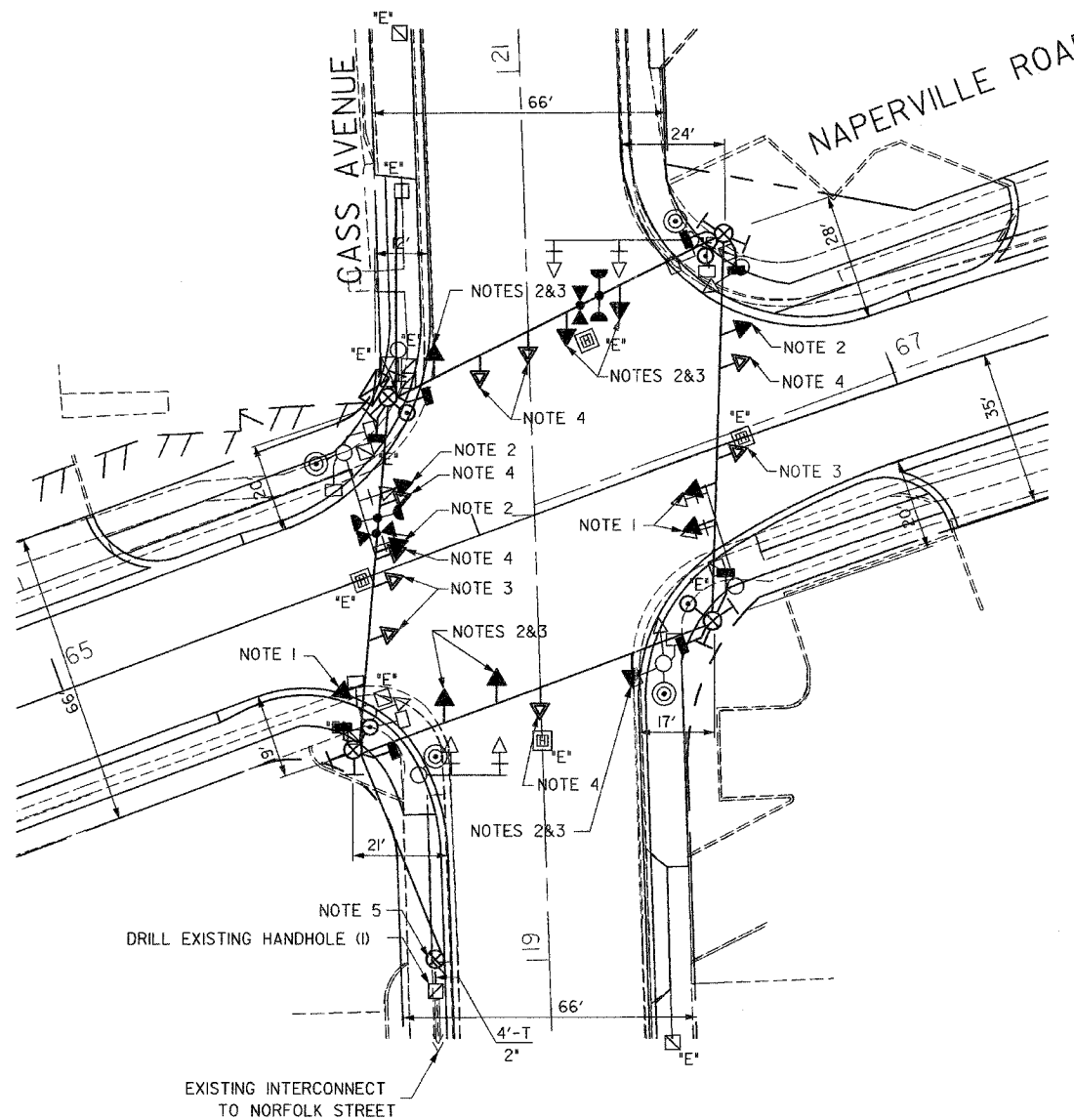
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET COMPLETE

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

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

THE CONTRACTOR SHALL REMOVE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNITS, INCLUDING THE CONFIRMATION BEACONS, AND THE PHASING UNIT FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION, STORE IT IN A SAFE MANNER, AND INSTALL THEM ON THE NEW TRAFFIC SIGNAL INSTALLATION AS SHOWN IN THE PLAN AND AS DIRECTED BY THE ENGINEER.



TEMPORARY TRAFFIC SIGNAL LEGEND

- ← 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 (13.7m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⊔ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊖ MICROWAVE VEHICLE SENSOR
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊘ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊚ CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN GROUND
- ⊠ HANDHOLE
- ⊡ HEAVY DUTY HANDHOLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ← EXISTING SIGNAL TO BE REMOVED
- ⊠ *E* EXISTING SERVICE INSTALLATION TO BE REMOVED
- ⊙ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊚ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊠ *E* EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊡ *E* EXISTING HANDHOLE TO BE REMOVED
- ⊡ EXISTING DOUBLE HANDHOLE TO BE REMOVED
- ⊔ PEDESTRIAN SIGNAL TO BE REMOVED
- ⊙ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊘ EXISTING EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- ⊚ EXISTING CONFIRMATION BEACON TO BE REMOVED
- ⊡ *E* EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- ⊚ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

NOTE 1: THE SIGNAL HEADS FOR THE EASTBOUND TRAFFIC SHALL BE DISCONNECTED AND BAGGED DURING CONSTRUCTION STAGES PRE-STAGE 1, STAGE 1, AND STAGE 2, AND SHALL BE ACTIVATED AFTER ALL THE PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY TRAFFIC MOVEMENT IS ALLOWED PRIOR TO ACTIVATION OF THE NEW PERMANENT SIGNALS. THE CONTRACTOR CAN, HOWEVER, INSTALL THESE SIGNAL HEADS PRIOR TO COMPLETION OF STAGE 2 CONSTRUCTION AS DIRECTED BY THE ENGINEER.

NOTE 2: SIGNAL LOCATIONS FOR CONSTRUCTION STAGE PRE-STAGE 1.

NOTE 3: SIGNAL LOCATIONS FOR CONSTRUCTION STAGE 1.

NOTE 4: SIGNAL LOCATIONS FOR CONSTRUCTION STAGE 2.

NOTE 5: REMOVE EXISTING FIBER OPTIC CABLE 62.5/125MM 12F FROM EXISTING CONDUIT TO HANDHOLE, SPLICE SUFFICIENT 62.5/125MM 12F FIBER OPTIC CABLE TO EXISTING FIBER OPTIC CABLE AND INSTALL CABLE TO WOOD POLE AND AERIAL CABLE TO CONTROLLER CABINET.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION NAPERVILLE ROAD AT CASS AVENUE

REVISIONS	
NAME	DATE

SCALE: 1"=20'
 DATE: SEPTEMBER 30, 2004

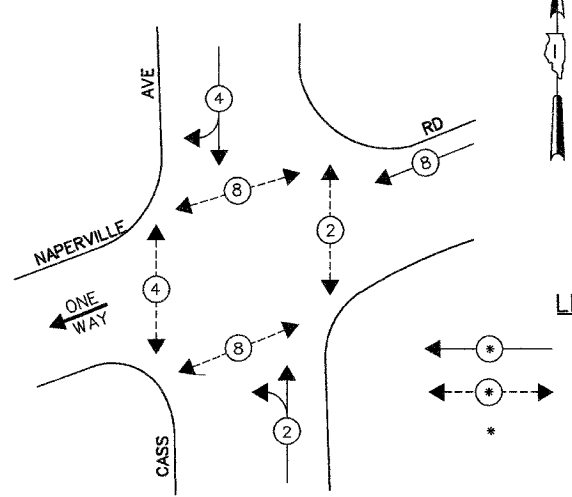
DRAWN BY: BB
 DESIGNED BY: PKG
 CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	144
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				

TEMPORARY CABLE DIAGRAM LEGEND

- [R] TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- [X] 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
- [] 12" (300mm) PEDESTRIAN SIGNAL SECTION
- [] MICROWAVE VEHICLE SENSOR

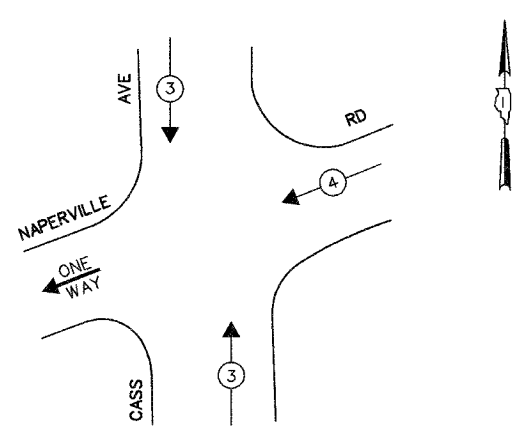
CONTROLLER SEQUENCE



- LEGEND**
- [*] DUAL ENTRY PHASE
 - [*] PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE

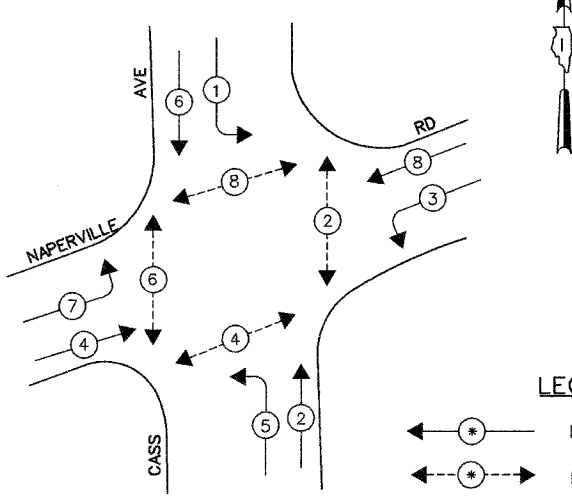
TEMPORARY PHASE DESIGNATION DIAGRAM FOR CONSTRUCTION STAGES PRE-STAGE 1, STAGE 1, & STAGE 2

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓ ↑	←

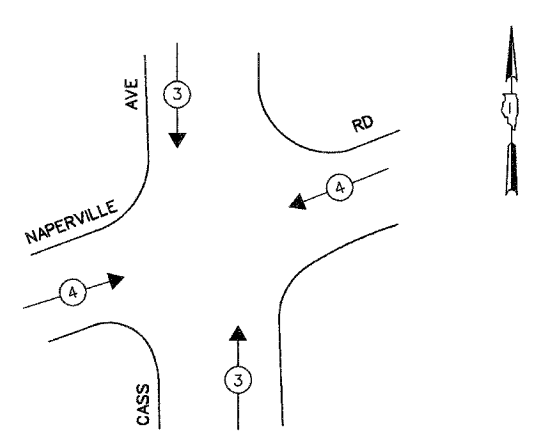
CONTROLLER SEQUENCE



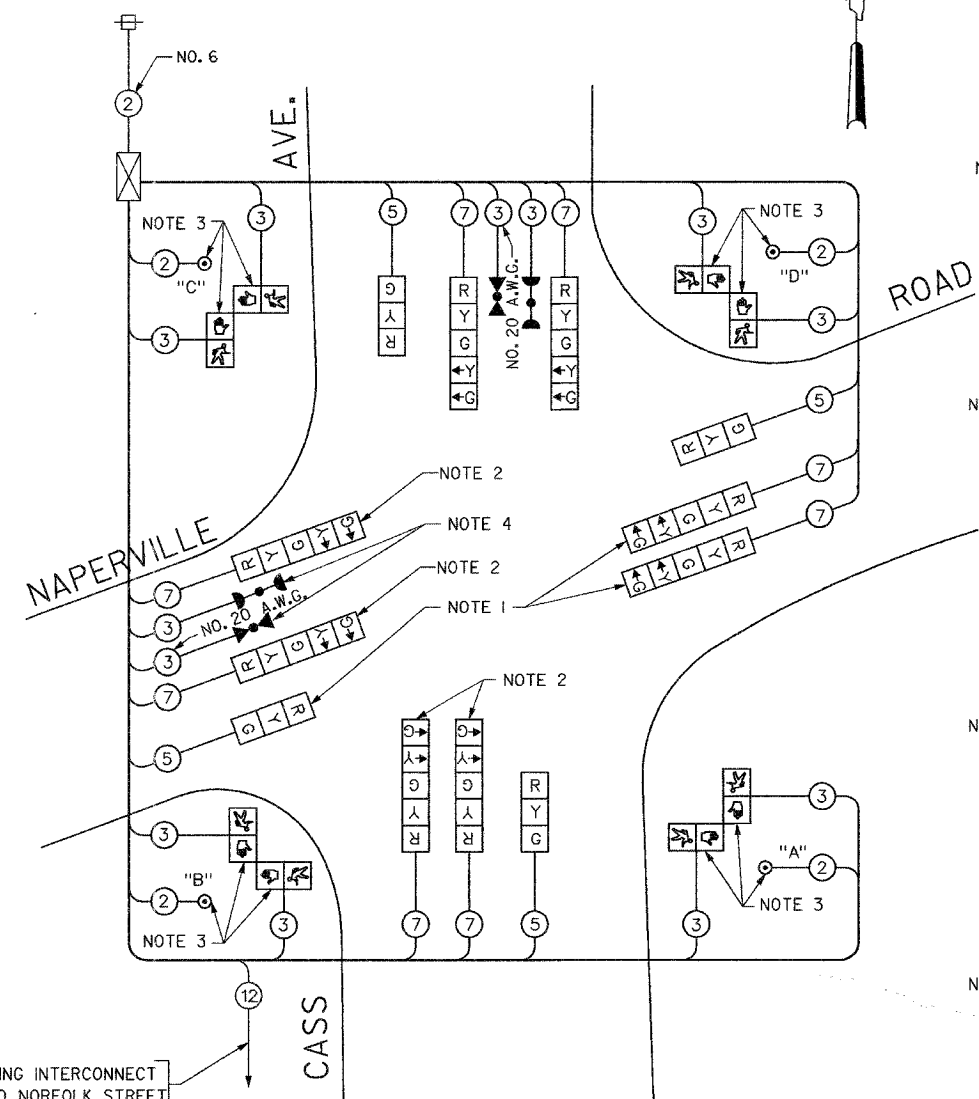
- LEGEND**
- [*] DUAL ENTRY PHASE
 - [*] PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM FOR POST-CONSTRUCTION STAGE 2

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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



- NOTE 1:** THE SIGNAL HEADS FOR THE EASTBOUND DIRECTION OF TRAFFIC SHALL BE DISCONNECTED AND BAGGED DURING THE PRE-STAGE 1, STAGE 1, AND STAGE 2 CONSTRUCTION. THESE SIGNAL HEADS SHALL BE ACTIVATED AFTER ALL THE PROPOSED PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY TRAFFIC MOVEMENT IS RESTORED ON NAPERVILLE ROAD PRIOR TO ACTIVATION OF THE NEW PERMANENT SIGNALS. THE CONTRACTOR CAN, HOWEVER, INSTALL THESE SIGNAL HEADS PRIOR TO COMPLETION OF STAGE 2 CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- NOTE 2:** THE LEFT TURN ARROW INDICATIONS FOR SOUTHBOUND TO EASTBOUND AND WESTBOUND TO SOUTHBOUND LEFT TURN MOVEMENT SHALL BE DISCONNECTED AND BAGGED FOR PRE-STAGE 1, STAGE 1, AND STAGE 2 CONSTRUCTION. THESE SIGNAL SECTIONS SHALL BE CONNECTED, UNBAGGED, AND THE LEFT TURN MOVEMENT SHALL BE ACTIVATED AFTER ALL THE PROPOSED PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY TRAFFIC MOVEMENT IS RESTORED ON NAPERVILLE ROAD PRIOR TO ACTIVATION OF THE NEW PERMANENT SIGNALS. THE CONTRACTOR CAN, HOWEVER, INSTALL THESE SIGNAL SECTIONS PRIOR TO COMPLETION OF STAGE 2 CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- NOTE 3:** THE PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS SHALL BE DISCONNECTED AND BAGGED FOR PRE-STAGE 1, STAGE 1, AND STAGE 2 CONSTRUCTION. THESE SIGNAL HEADS AND PUSH-BUTTONS SHALL BE ACTIVATED AFTER ALL THE PROPOSED PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY TRAFFIC MOVEMENT IS RESTORED ON NAPERVILLE ROAD PRIOR TO ACTIVATION OF THE NEW PERMANENT SIGNALS. THE CONTRACTOR CAN INSTALL THESE SIGNAL HEADS AND PUSH-BUTTONS PRIOR TO COMPLETION OF STAGE 2 CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- NOTE 4:** THE LIGHT DETECTOR FOR EAST WEST DIRECTION SHALL BE ADJUSTED TO RECEIVE EMERGENCY VEHICLE INDICATIONS APPROACHING FROM EAST ONLY DURING CONSTRUCTION STAGES PRE-STAGE 1, STAGE 1, AND STAGE 2.

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

TEMPORARY CABLE PLAN

- PUSH-BUTTON NOTES**
- PUSH-BUTTON 'A' SHALL PLACE A CALL IN PHASES 2 AND 4
 - PUSH-BUTTON 'B' SHALL PLACE A CALL IN PHASES 4 AND 6
 - PUSH-BUTTON 'C' SHALL PLACE A CALL IN PHASES 6 AND 8
 - PUSH-BUTTON 'D' SHALL PLACE A CALL IN PHASES 2 AND 8

THE CONTRACTOR SHALL REMOVE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNITS, INCLUDING THE CONFIRMATION BEACONS, AND THE PHASING UNIT FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION, STORE IT IN A SAFE MANNER, AND INSTALL THEM ON THE NEW TRAFFIC SIGNAL INSTALLATION AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO LAMPS	WATTAGE		OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	810.0
(YELLOW)	12	135	25	0.25	405.0
(GREEN)	12	135	15	0.25	405.0
ARROW	12	135	12	0.10	162.0
PED. SIGNAL	8	90	25	L00	720.0
CONTROLLER	1	100	100	L00	100.0
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL =
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					2602.0
ENERGY SUPPLY CONTACT: COMED					
PHONE: (866) 639-3532					
COMPANY: COMED					

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN

PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

NAPERVILLE ROAD AT CASS AVENUE

REVISIONS	
NAME	DATE

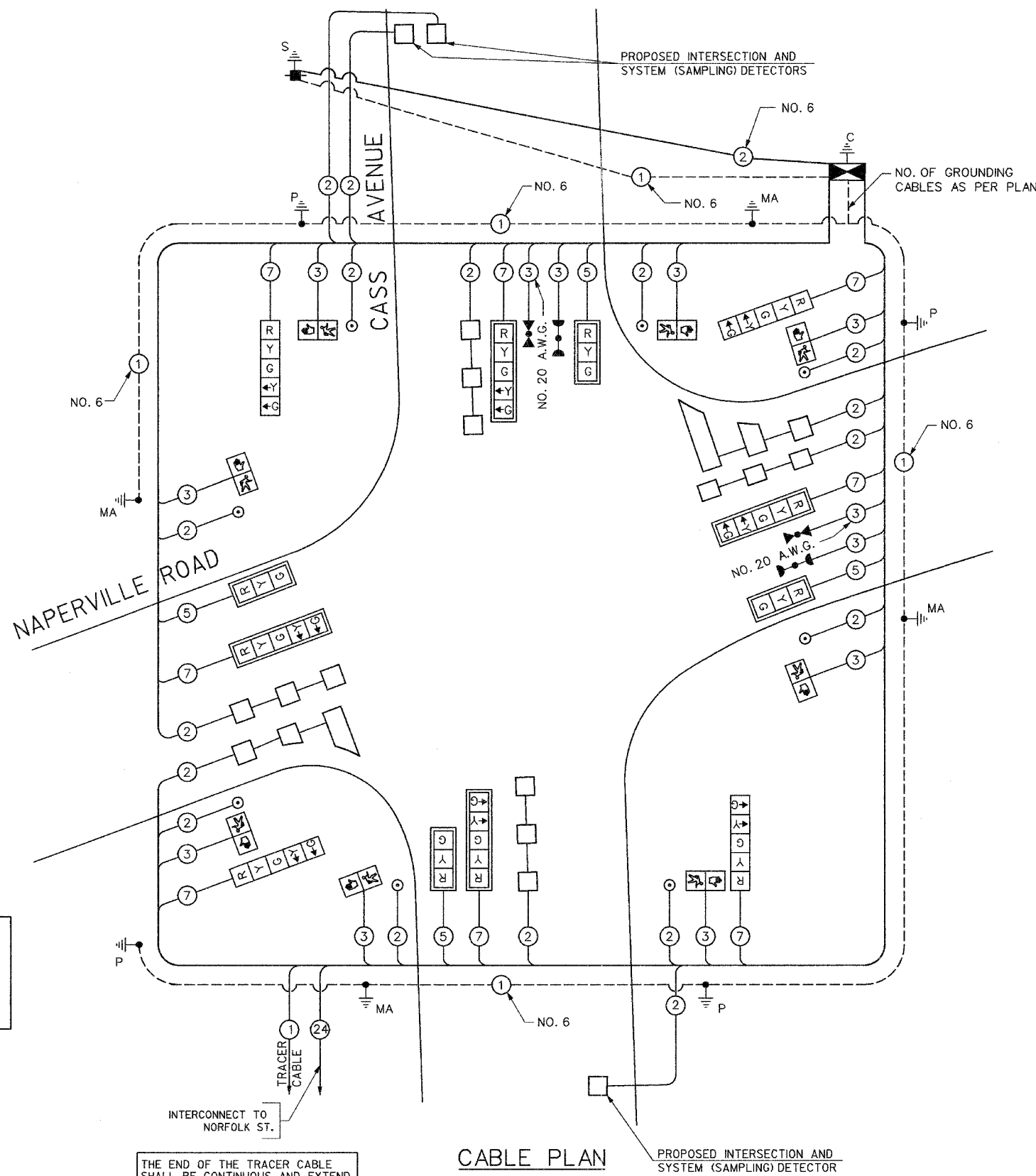
SCALE: N.T.S.

DATE: SEPTEMBER 30, 2004

DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 308
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	151
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



CABLE PLAN LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|---|
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | 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 2-MM12F & SM12F |
| | | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. |
| | | "E" RAILROAD CONTROL CABINET |
| | | "E" ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN" |
| | | "E" ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN" |
| | | H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER |
| | | P GROUND ROD AT POST OR MAST ARM POLE |
| | | S GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | LOCAL AND MASTER CONTROLLER |
| | | MICROWAVE VEHICLE SENSOR |

THE CONTRACTOR SHALL REMOVE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNITS, INCLUDING THE CONFIRMATION BEACONS, AND THE PHASING UNIT FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION, STORE IT IN A SAFE MANNER, AND INSTALL THEM ON THE NEW TRAFFIC SIGNAL INSTALLATION AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102.0
(YELLOW)	12	135	25	0.25	75.0
(GREEN)	12	135	15	0.25	45.0
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 541.2
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: COMED PHONE: (866) 639-3532 COMPANY: COMED					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
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'
F-M.ARM POLE		SIGNAL POST	2 (0.6)		(6m+L-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN
NAPERVILLE ROAD AT CASS AVENUE

SCALE: N.T.S.
DATE: SEPTEMBER 30, 2004

DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

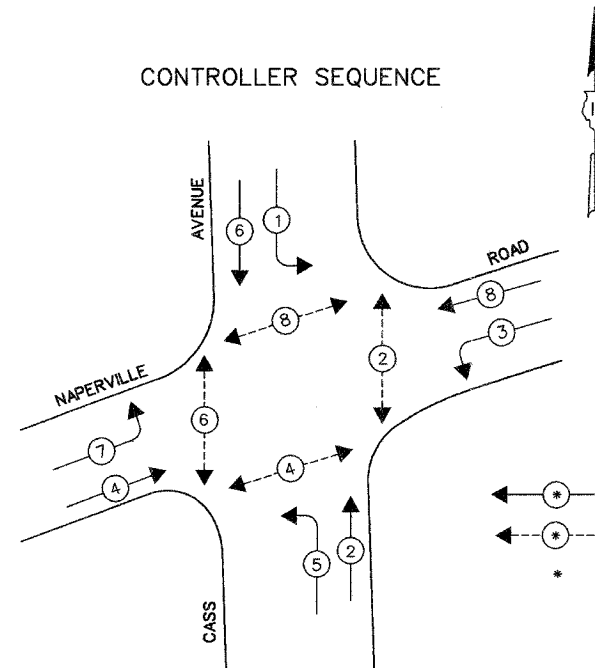
GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
30	SO FT	SIGN PANEL - TYPE 1
324	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
109	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
57	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
348	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
310	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
445	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	FOOT	TRANSCEIVER-FIBER OPTIC
1177	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1522	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
709	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1395	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1967	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR
98	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
60	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
8	EACH	TRAFFIC SIGNAL BACKPLATE
9	EACH	INDUCTIVE LOOP DETECTOR
694	FOOT	PREFORMED DETECTOR LOOP
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
2	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION, POLE MOUNT
606	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
273	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD, L.E.D., I-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., I-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., I-FACE, 5-SECTION, MAST ARM MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., I-FACE, BRACKET MOUNTED

* 100% COST TO THE VILLAGE OF WESTMONT

CONTROLLER SEQUENCE

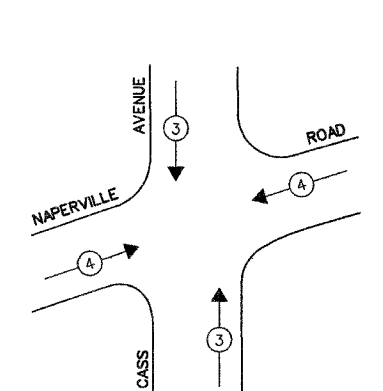


PHASE DESIGNATION DIAGRAM

LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑↓	↔

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE
AND SCHEDULE OF QUANTITIES
NAPERVILLE ROAD AT CASS AVENUE

REVISIONS	
NAME	DATE

SCALE: N.T.S. DRAWN BY: BB
DESIGNED BY: PKG
DATE: SEPTEMBER 30, 2004 CHECKED BY: PKG

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	152
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		

CONTRACT NO. 62376

NOTES FOR TEMPORARY TRAFFIC SIGNALS

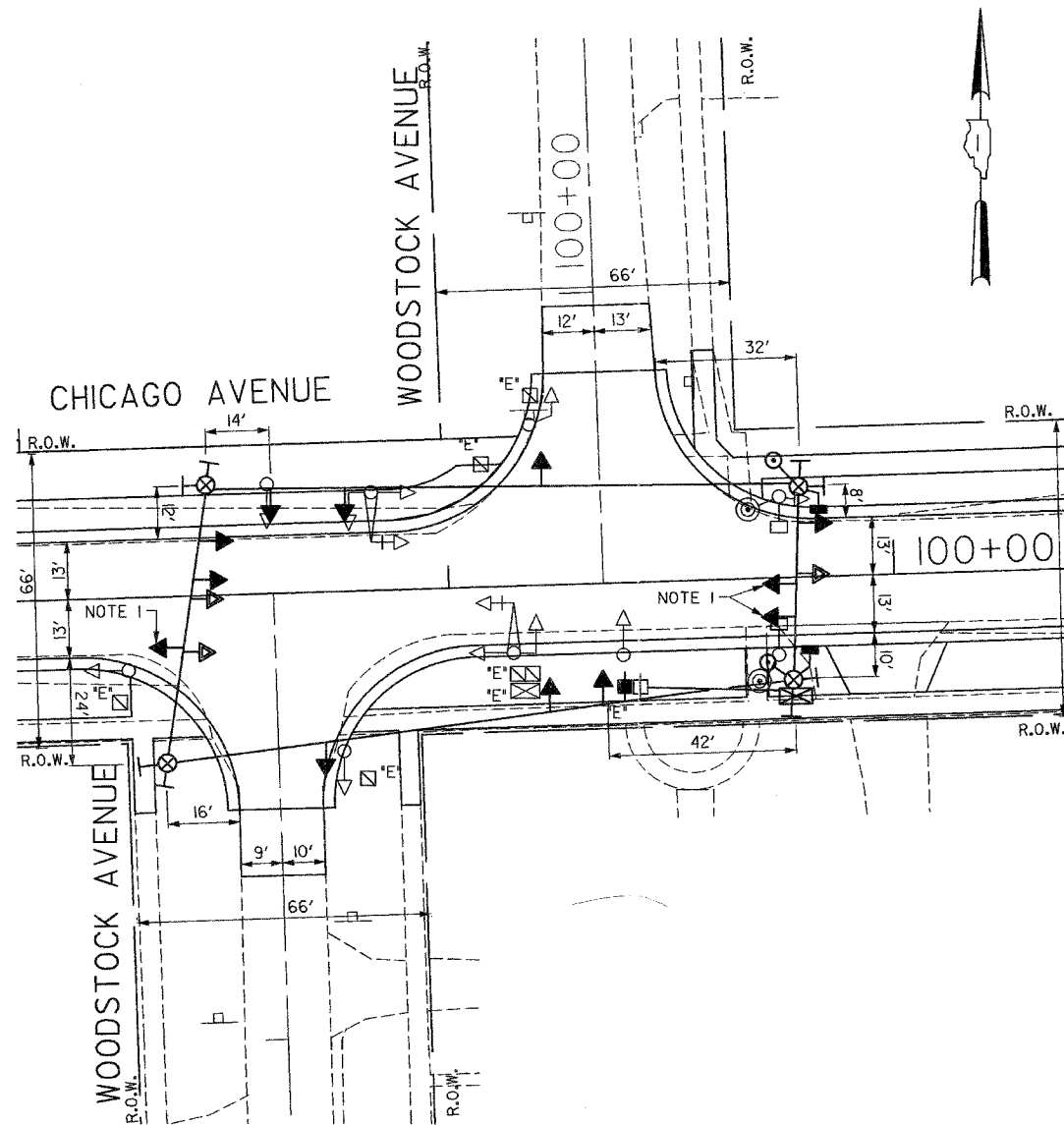
- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS 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 OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH CONTROLLER AND CABINET COMPLETE

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

6	EACH	SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE 3-SECTION, BRACKET MOUNTED
2	EACH	TRAFFIC SIGNAL BACK PLATE
7	EACH	SIGNAL POST
2	EACH	ALUMINUM MAST ARM ASSEMBLY AND POLE
2	EACH	PEDESTRIAN SIGNAL HEAD 1-FACE
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION



NOTE 1: THESE SIGNAL HEADS FOR THE EASTBOUND DIRECTION OF TRAFFIC SHALL BE DISABLED AND BAGGED DURING CONSTRUCTION STAGES PRE-STAGE, STAGE 1, AND STAGE 2. THEY SHALL BE IN OPERATION AFTER ALL THE PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY (EAST-WEST) TRAFFIC IS RESTORED.

TEMPORARY TRAFFIC SIGNAL LEGEND

- ← 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) 4.5 FOOT (13.7m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⊔ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊞ MICROWAVE VEHICLE SENSOR
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊚ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊛ CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN GROUND
- ⊞ HANDHOLE
- ⊞ HEAVY DUTY HANDHOLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ← EXISTING SIGNAL TO BE REMOVED
- ⊞ EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊞ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊞ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊞ EXISTING HANDHOLE TO BE REMOVED
- ⊞ EXISTING DOUBLE HANDHOLE TO BE REMOVED
- ⊔ PEDESTRIAN SIGNAL TO BE REMOVED
- ⊙ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊚ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- ⊛ CONFIRMATION BEACON TO BE REMOVED
- ⊞ EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- ⊞ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
CHICAGO AVENUE AT WOODSTOCK AVENUE**

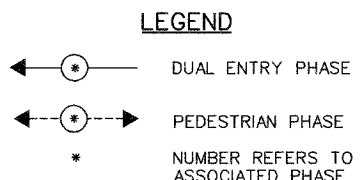
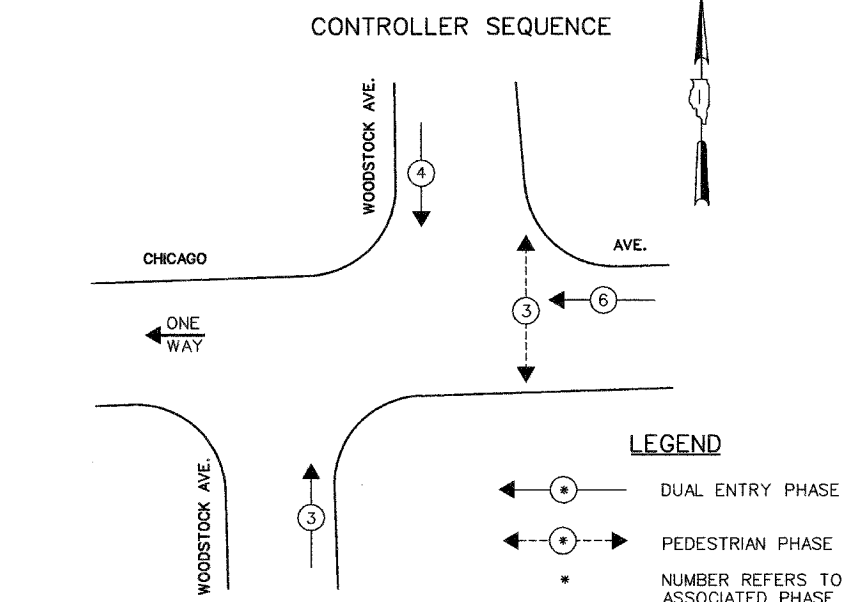
REVISIONS	
NAME	DATE

SCALE: 1"=20'
DATE: SEPTEMBER 30, 2004

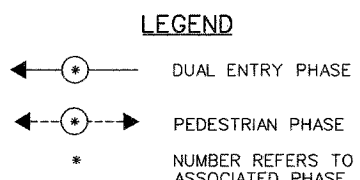
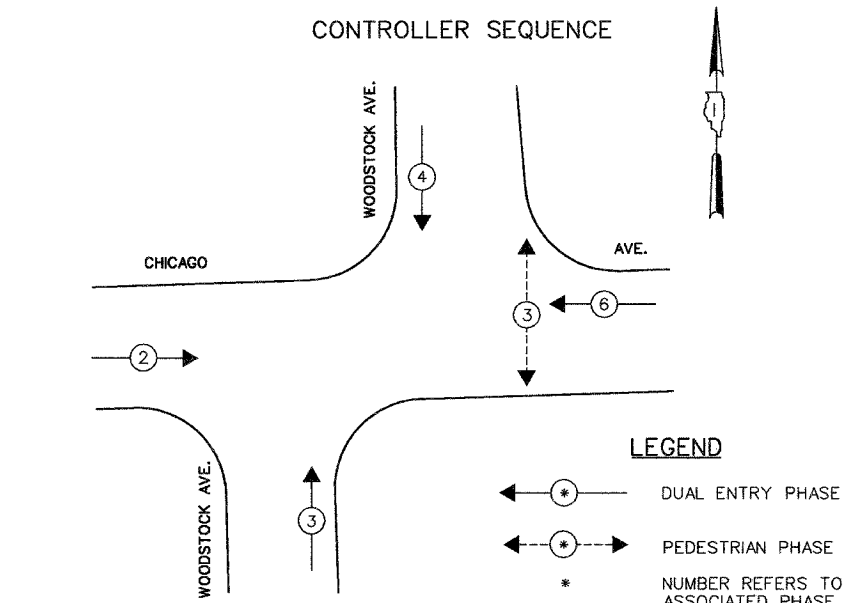
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 308
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

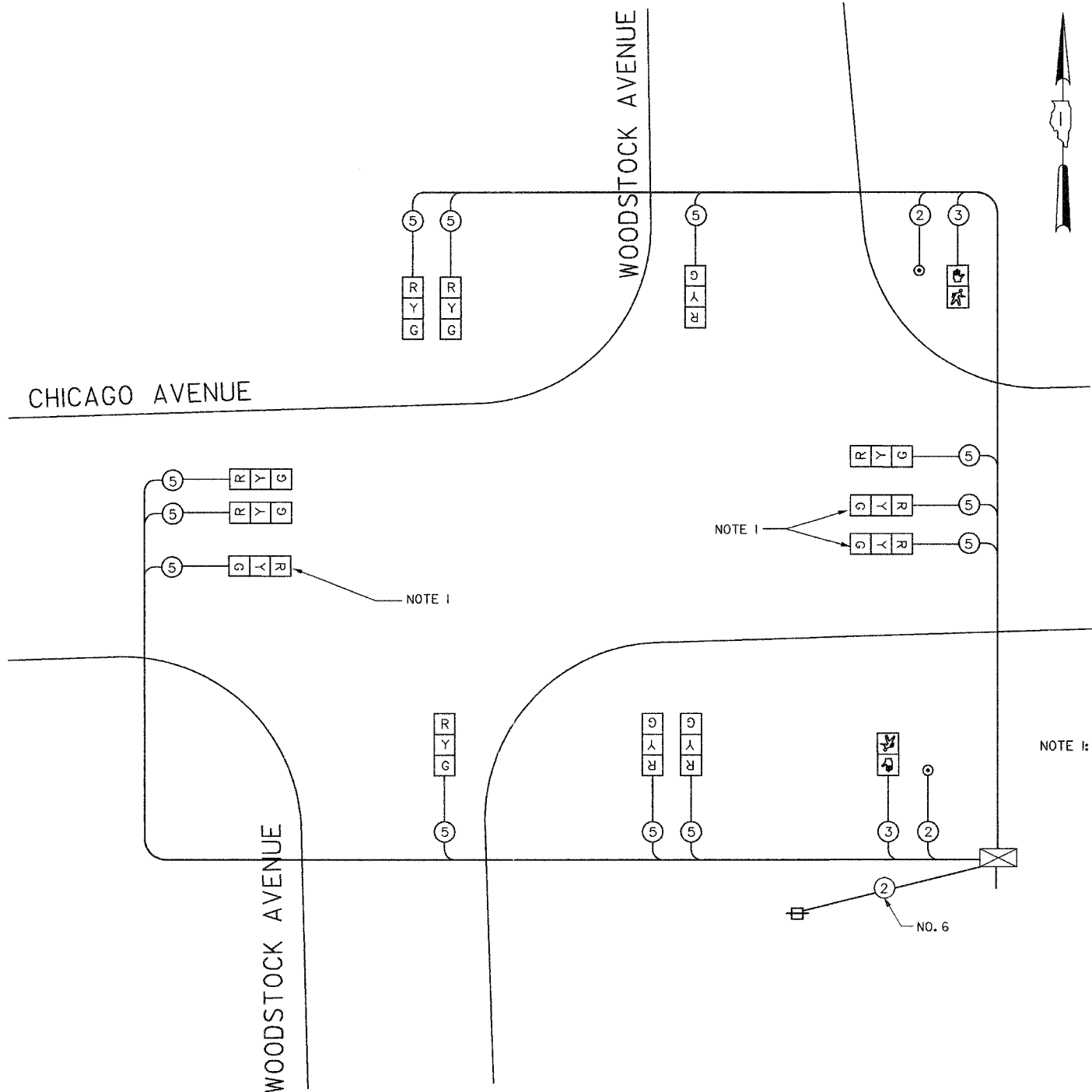
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	154
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		
CONTRACT No. G2376				



TEMPORARY PHASE DESIGNATION DIAGRAM FOR CONSTRUCTION STAGES PRE-STAGE 1, STAGE 1, & STAGE 2



PHASE DESIGNATION DIAGRAM FOR POST-CONSTRUCTION STAGE 2



TEMPORARY CABLE DIAGRAM LEGEND

- [R] TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- [X] 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
- [] 12" (300mm) PEDESTRIAN SIGNAL SECTION
- [] MICROWAVE VEHICLE SENSOR

NOTE 1: THESE SIGNAL HEADS FOR THE EASTBOUND DIRECTION OF TRAFFIC SHALL BE DISABLED AND BAGGED DURING CONSTRUCTION STAGES PRE-STAGE, STAGE 1, AND STAGE 2. THEY SHALL BE IN OPERATION AFTER ALL THE PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY (EAST-WEST) TRAFFIC IS RESTORED.

TEMPORARY CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION		
		INCAND.	LED			
SIGNAL (RED)	12	135	17	0.50	810.0	
(YELLOW)	12	135	25	0.25	405.0	
(GREEN)	12	135	15	0.25	405.0	
ARROW		135	12	0.10		
PED. SIGNAL	2	90	25	1.00	180.0	
CONTROLLER	1	100	100	1.00	100.0	
ILLUM. SIGN				0.05		
FLASHER				0.50		
ENERGY COSTS TO:					TOTAL =	1900.0
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096						
ENERGY SUPPLY CONTACT: COMED PHONE: (866) 639-3532 COMPANY: COMED						

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TEMPORARY CABLE PLAN
PHASE DESIGNATION DIAGRAM
CHICAGO AVENUE AT WOODSTOCK AVENUE**

SCALE: N.T.S.

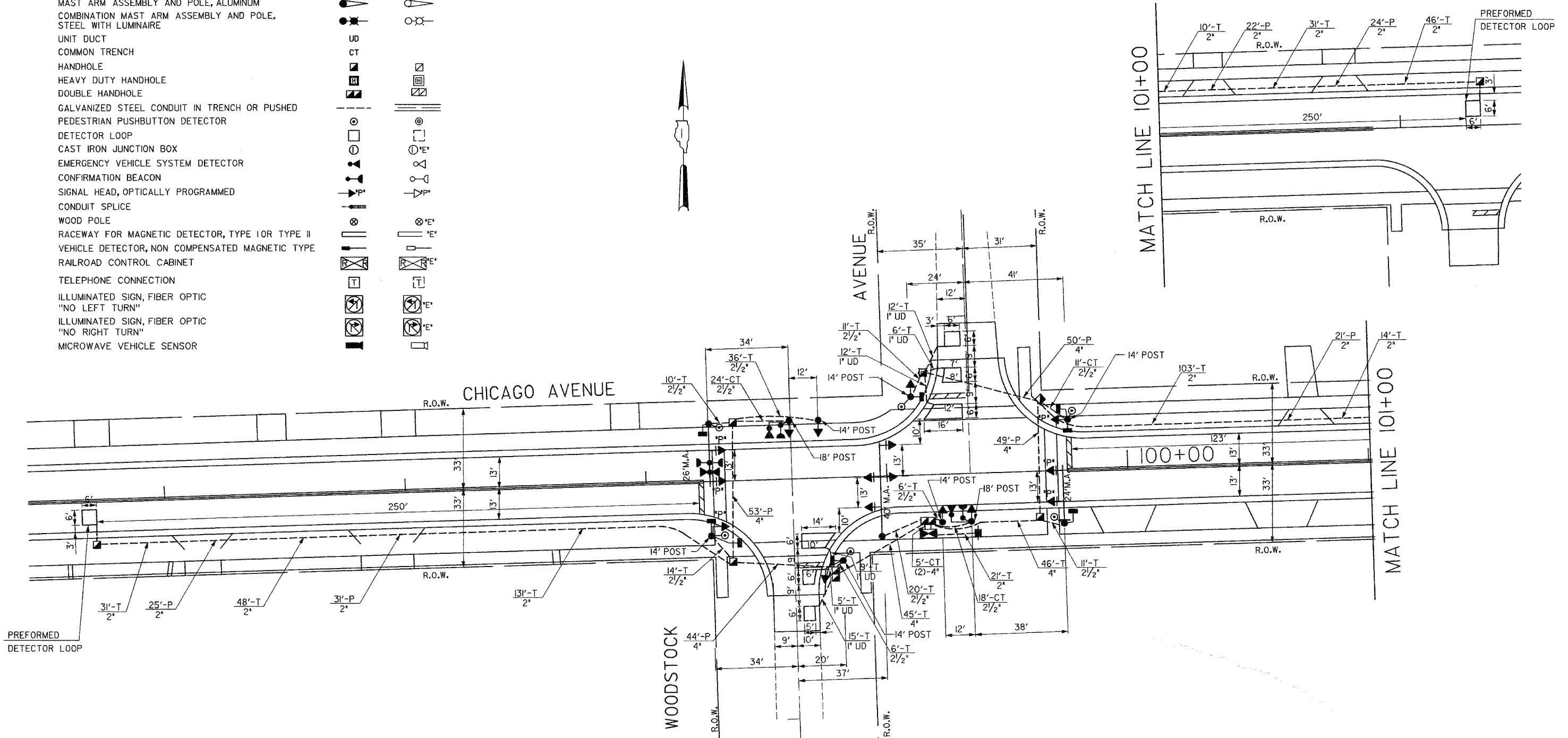
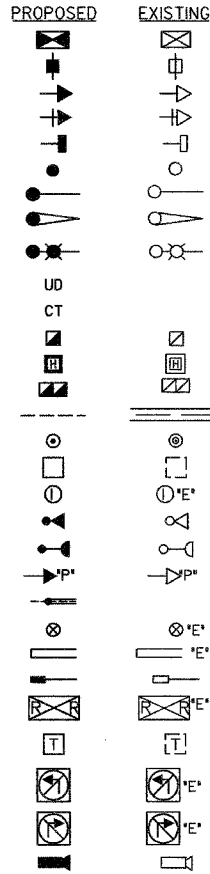
DATE: SEPTEMBER 30, 2004

DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	155
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 02376				

TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL 14' POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD, OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET
- TELEPHONE CONNECTION
- ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
- ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
- MICROWAVE VEHICLE SENSOR



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL MODERNIZATION
CHICAGO AVENUE AT WOODSTOCK AVENUE**

SCALE: 1"=20'

DATE: SEPTEMBER 30, 2004

DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

GA GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

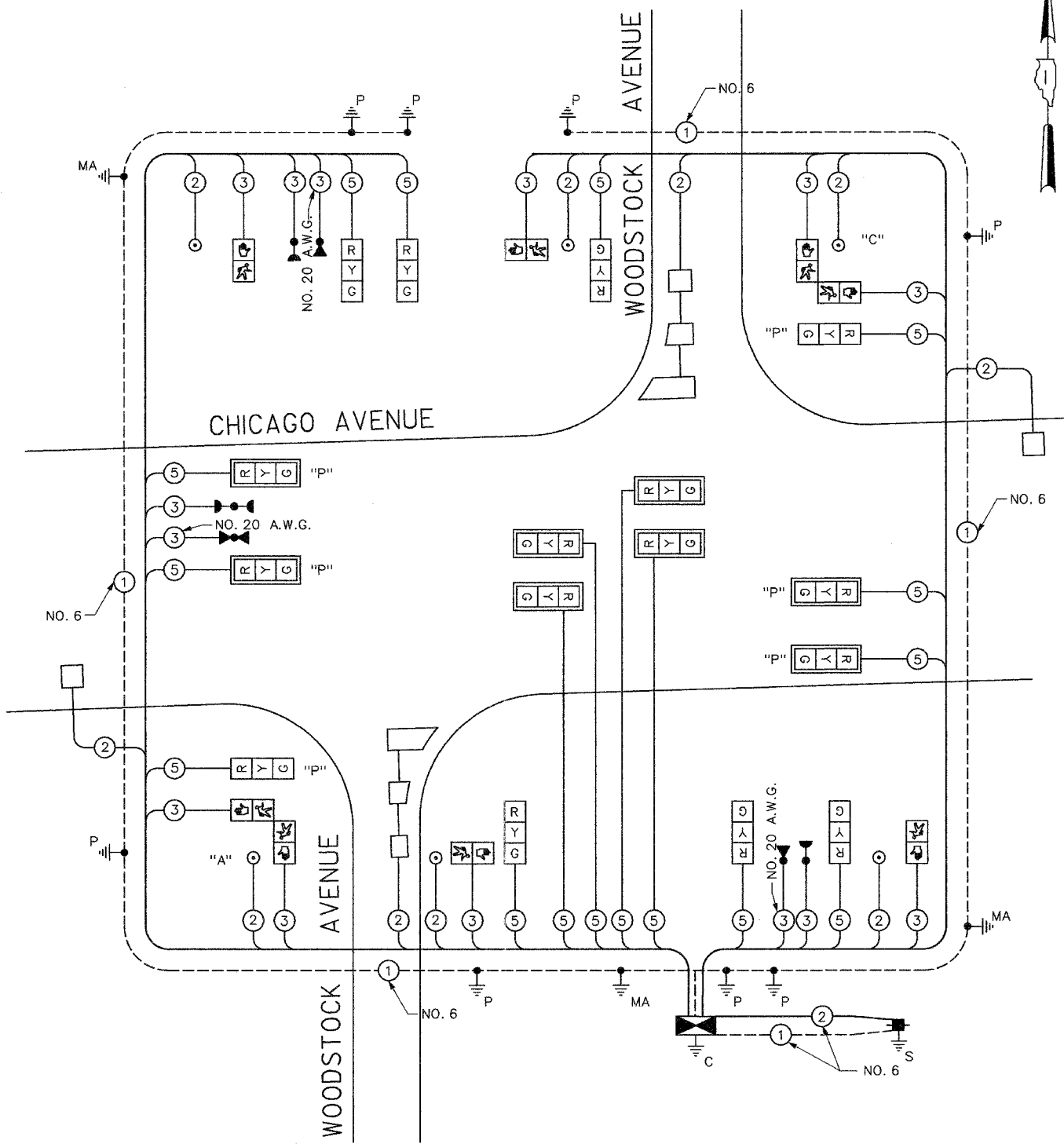
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	156
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		
CONTRACT NO. 62376				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
34.5	SQ FT	SIGN PANEL - TYPE I
435	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
167	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
101	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
123	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
196	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
7	EACH	HANDHOLE
2	EACH	DOUBLE HANDHOLE
704	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
915	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1828	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2342	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1079	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR
31	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
6	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
32	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
30	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
15	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
2	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNED
4	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNED
8	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	INDUCTIVE LOOP DETECTOR
190	FOOT	DETECTOR LOOP, TYPE I
54	FOOT	PREFORMED DETECTOR LOOP
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
5	EACH	REMOVE EXISTING HANDHOLE
10	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION, POLE MOUNT
636	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
536	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNED
6	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNED
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNED

• 100% COST TO THE VILLAGE OF CLARENDON HILLS



CABLE PLAN

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		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 2-MM12F & SM12F
		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"
		H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
		P GROUND ROD AT POST OR MAST ARM POLE
		S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		LOCAL AND MASTER CONTROLLER
		MICROWAVE VEHICLE SENSOR

PUSH-BUTTON NOTES:
 PUSH-BUTTON *A* SHALL PLACE A CALL IN PHASES 2 AND 3.
 PUSH-BUTTON *C* SHALL PLACE A CALL IN PHASES 4 AND 6.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	10	135	17	0.50	85.0
(YELLOW)	10	135	25	0.25	62.5
(GREEN)	10	135	15	0.25	37.5
ARROW		135	12	0.10	
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN				0.05	
SIGNAL (RED)	6	150		0.50	450.0
(YELLOW)	6	150		0.25	225.0
(GREEN)	6	150		0.25	225.0
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 1385.0
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHLAUBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: COMED PHONE: (866) 639-3532 COMPANY: COMED					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
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'
E-MAST ARM POLE		SIGNAL POST	2 (0.6)		(6m+L-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNED	6 (1.8)

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 8035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND SCHEDULE OF QUANTITIES
CHICAGO AVENUE AT WOODSTOCK AVENUE

SCALE: N.T.S. DRAWN BY: BB
 DATE: SEPTEMBER 30, 2004 DESIGNED BY: PKG
 CHECKED BY: PKG

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SEQUENCE OF OPERATION

MOVEMENT	PHASE	2+6				3				4				F L A S H											
		1	2	3A	3B	3C	3D	4A	4B	4C	4D	5	6		7A	7B	8A	8B	9	10	11A	11B	12A	12B	
CHANGE TO	INTERVAL	3				4				2+6				4				2+6				3			
CHICAGO AVENUE NEAR SIDE MAST ARM SIGNALS	E/B	G	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
CHICAGO AVENUE FAR SIDE MAST ARM AND FAR LEFT SIGNALS	E/B	G	G	G	G	G	G	G	Y	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	
CHICAGO AVENUE NEAR SIDE MAST ARM SIGNALS	W/B	G	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
CHICAGO AVENUE FAR SIDE MAST ARM AND FAR LEFT SIGNALS	W/B	G	G	G	G	Y	R	G	G	G	G	R	R	R	R	R	R	G	G	G	G	Y	R	R	
WOODSTOCK AVENUE NEAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	
WOODSTOCK AVENUE FAR SIDE SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	
WOODSTOCK AVENUE NEAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	
WOODSTOCK AVENUE FAR SIDE SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	
PEDESTRIAN SIGNALS CROSSING WOODSTOCK AVE. ON NORTH SIDE OF CHICAGO AVE.	P*	FH*	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK	
PEDESTRIAN SIGNALS CROSSING WOODSTOCK AVE. ON SOUTH SIDE OF CHICAGO AVE.	P*	FH*	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK	
PEDESTRIAN SIGNALS CROSSING CHICAGO AVE. ON EAST SIDE OF WOODSTOCK AVE.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	P*	FH*	H	H	H	H	H	DARK	
PEDESTRIAN SIGNALS CROSSING CHICAGO AVE. ON WEST SIDE OF WOODSTOCK AVE.	H	H	H	H	H	H	H	H	H	H	P*	FH*	H	H	H	H	H	H	H	H	H	H	H	DARK	

- TO APPEAR ONLY UPON PUSHBUTTON ACTUATION.
- FLASHING [] IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- P = ILLUMINATED PERSON = WALK
- FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
- H = ILLUMINATED SOLID HAND = DON'T WALK
- PHASE 2 AND 6 SHALL BE PLACED ON RECALL

⊕ THIS [] OR FLASHING [] INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE [] OR FLASHING [] INTERVALS. [] AND FLASHING [] TIMINGS TO BE SET ONLY ON PHASES WHERE [] AND FLASHING [] ARE INDICATED IN THE SEQUENCE OF OPERATION.

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER 3												PREEMPTOR NUMBER 4			PREEMPTOR NUMBER 5			CLEAR TO NORMAL SEQUENCE
	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	2	3	4	5	6	7	
CHANGE TO	2	1C	1D	3,4	1F	1G	2,4	3	1K	1L	2,3	4							
CHICAGO AVENUE NEAR SIDE MAST ARM SIGNALS	E/B	G	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇		
CHICAGO AVENUE FAR SIDE MAST ARM AND FAR LEFT SIGNALS	E/B	G	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇		
CHICAGO AVENUE NEAR SIDE MAST ARM SIGNALS	W/B	G	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇		
CHICAGO AVENUE FAR SIDE MAST ARM AND FAR LEFT SIGNALS	W/B	G	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇		
WOODSTOCK AVENUE NEAR RIGHT SIGNAL	N/B	R	R	R	R	G	Y	R	G	R	R	R	R	G	R		◇		
WOODSTOCK AVENUE FAR SIDE SIGNALS	N/B	R	R	R	R	G	Y	R	G	R	R	R	R	G	R		◇		
WOODSTOCK AVENUE NEAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	G	Y	R	G	R	R	G		◇		
WOODSTOCK AVENUE FAR SIDE SIGNALS	S/B	R	R	R	R	R	R	R	G	Y	R	G	R	R	G		◇		
PEDESTRIAN SIGNALS CROSSING - WOODSTOCK AVE. ON NORTH SIDE OF CHICAGO AVE.	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H		◇		
PEDESTRIAN SIGNALS CROSSING - WOODSTOCK AVE. ON SOUTH SIDE OF CHICAGO AVE.	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H		◇		
PEDESTRIAN SIGNALS CROSSING - CHICAGO AVE. ON EAST SIDE OF WOODSTOCK AVE.	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H		◇		
PEDESTRIAN SIGNALS CROSSING - CHICAGO AVE. ON WEST SIDE OF WOODSTOCK AVE.	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H		◇		

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY INTERVAL 2, 3 OR 4 IS TERMINATED.

ILLINOIS DEPARTMENT OF TRANSPORTATION SEQUENCE OF OPERATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION CHICAGO AVENUE AT WOODSTOCK AVENUE

REVISIONS	
NAME	DATE

SCALE: N.T.S.
DATE: SEPTEMBER 30, 2004
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	158
STA. 23+00.00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62376

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS 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 OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET COMPLETE

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

- 2 EACH SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED
- 2 EACH SIGNAL HEAD, 2-FACE 3-SECTION, BRACKET MOUNTED
- 1 EACH SIGNAL HEAD, 3-FACE 3-SECTION, BRACKET MOUNTED
- 4 EACH TRAFFIC SIGNAL BACK PLATE
- 1 EACH SIGNAL POST
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 2 EACH PEDESTRIAN SIGNAL HEAD 1-FACE
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION



NOTE 1: THESE SIGNAL HEADS FOR THE EASTBOUND DIRECTION OF TRAFFIC SHALL BE DISABLED AND BAGGED DURING CONSTRUCTION STAGES PRE-STAGE, STAGE 1, AND STAGE 2. THEY SHALL BE IN OPERATION AFTER ALL THE PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY (EAST-WEST) TRAFFIC IS RESTORED.

TEMPORARY TRAFFIC SIGNAL LEGEND

- ← 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 (13.7m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⊔ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊙ MICROWAVE VEHICLE SENSOR
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ CONFIRMATION BEACON
- ⊙ VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN GROUND
- ⊠ HANDHOLE
- ⊠ HEAVY DUTY HANDHOLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ← EXISTING SIGNAL TO BE REMOVED
- ⊠ EXISTING SERVICE INSTALLATION TO BE REMOVED
- ⊙ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊙ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊠ EXISTING HANDHOLE TO BE REMOVED
- ⊠ EXISTING DOUBLE HANDHOLE TO BE REMOVED
- ⊔ PEDESTRIAN SIGNAL TO BE REMOVED
- ⊙ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- ⊙ CONFIRMATION BEACON TO BE REMOVED
- ⊠ EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- ⊙ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

GA GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

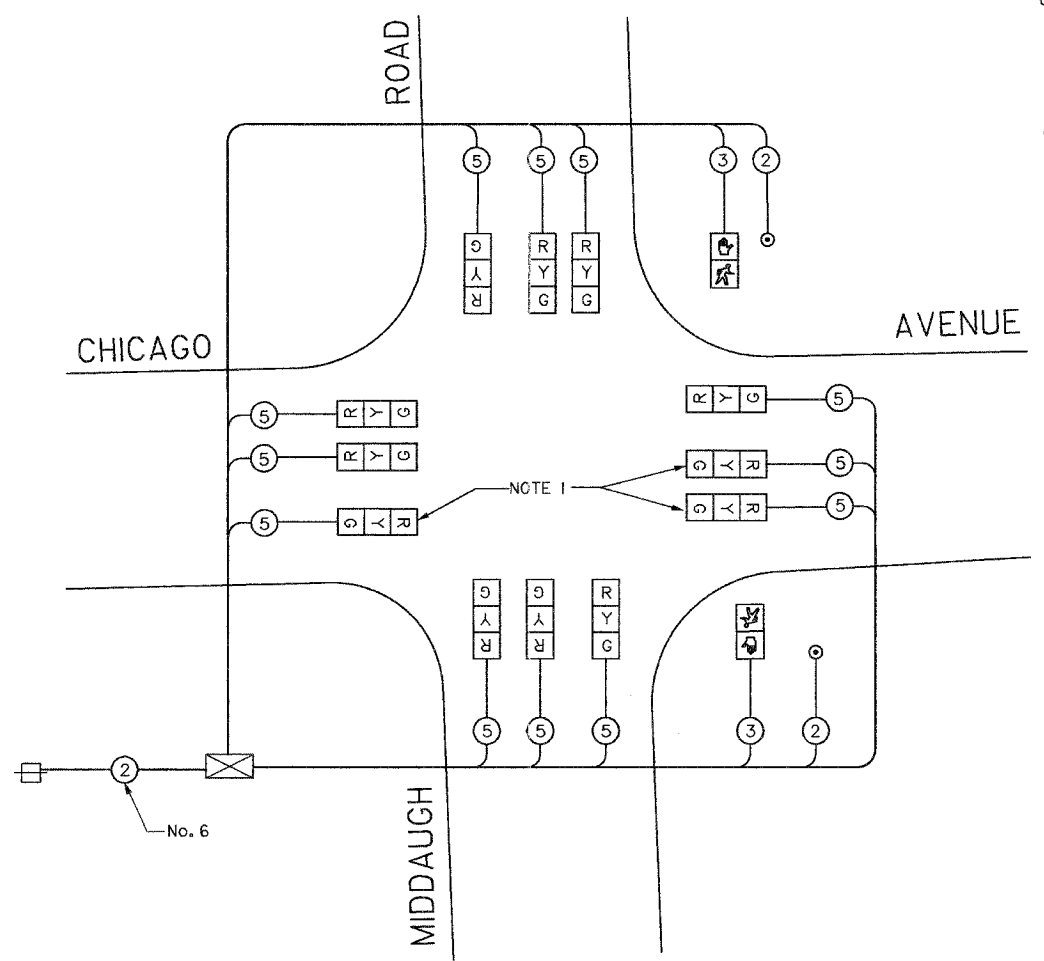
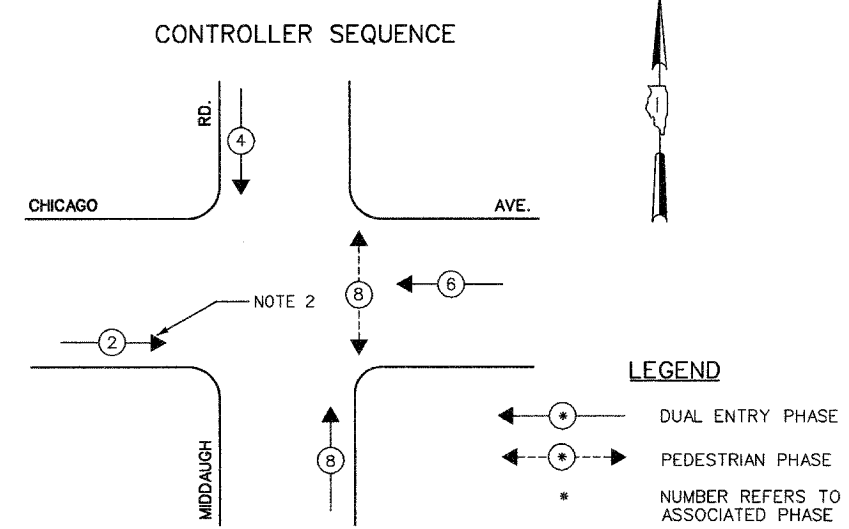
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
CHICAGO AVENUE AT MIDDAUGH ROAD**
SCALE: 1"=20'
DATE: SEPTEMBER 30, 2004
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	199
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		

CONTRACT NO. G2376



TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- 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
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- MICROWAVE VEHICLE SENSOR

TEMPORARY CABLE PLAN

NOTE 1: THESE SIGNAL HEADS FOR THE EASTBOUND DIRECTION OF TRAFFIC SHALL BE DISABLED AND BAGGED DURING CONSTRUCTION STAGES PRE-STAGE, STAGE 1, AND STAGE 2. THEY SHALL BE IN OPERATION AFTER ALL THE PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY (EAST-WEST) TRAFFIC IS RESTORED.

NOTE 2: THE PHASE 2 FOR THE EASTBOUND DIRECTION SHALL BE DISABLED DURING CONSTRUCTION STAGES PRE-STAGE, STAGE 1, AND STAGE 2. IT SHALL BE ACTIVATED AFTER ALL THE PAVEMENT GEOMETRICS ARE IN PLACE AND TWO-WAY (EAST-WEST) TRAFFIC IS RESTORED.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION		
		INCAND.	LED			
SIGNAL (RED)	12	135	17	0.50	810.0	
(YELLOW)	12	135	25	0.25	405.0	
(GREEN)	12	135	15	0.25	405.0	
ARROW	12	135	12	0.10	162.0	
PED. SIGNAL	2	90	25	1.00	180.0	
CONTROLLER	1	100	100	1.00	100.0	
ILLUM. SIGN				0.05		
FLASHER				0.50		
ENERGY COSTS TO:					TOTAL =	2062.0

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAMBLURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: COMED
PHONE: (866) 639-3532
COMPANY: COMED

GA GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY CABLE PLAN
PHASE DESIGNATION DIAGRAM
CHICAGO AVENUE AT MIDDAUGH ROAD**

SCALE: N.T.S.
DATE: SEPTEMBER 30, 2004

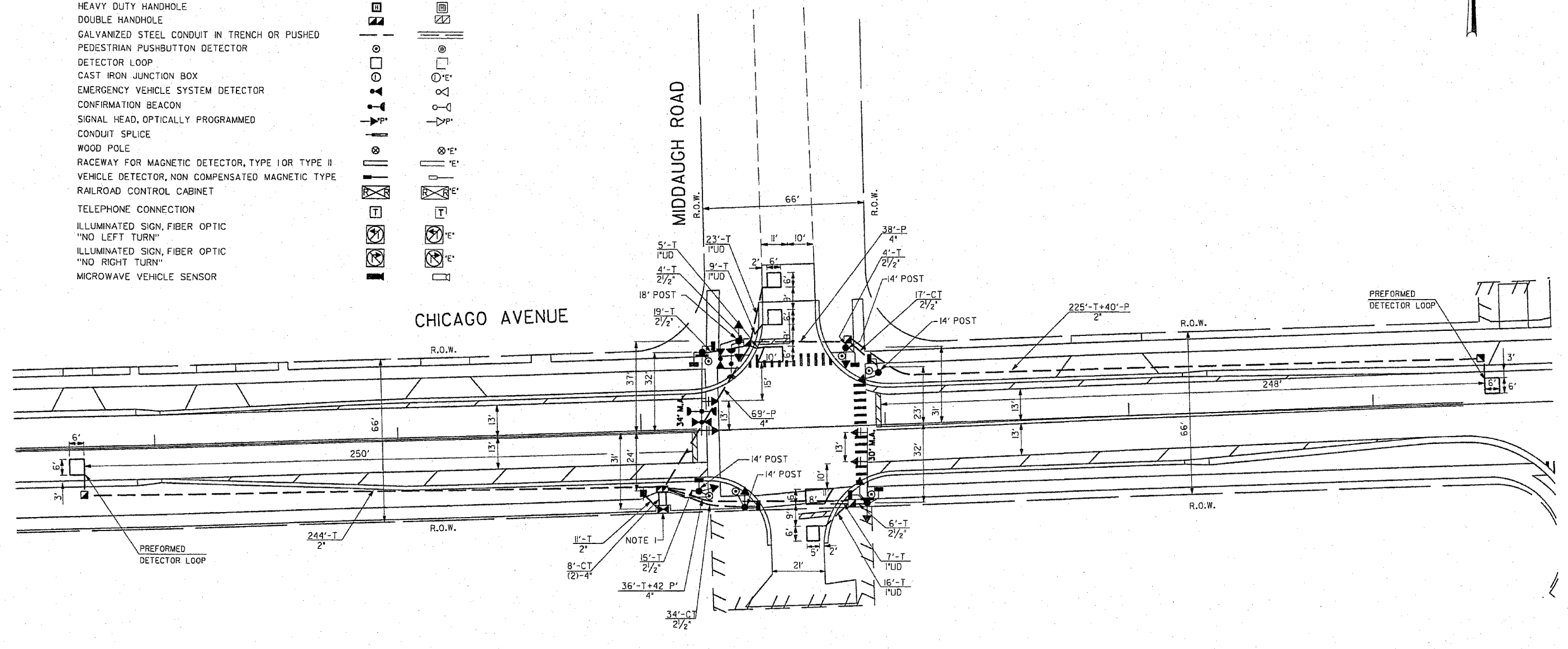
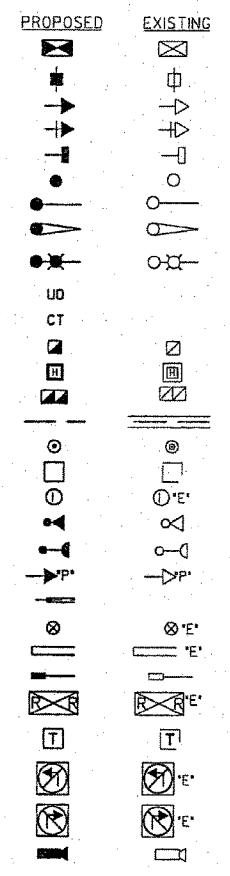
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	160
STA. 23+00.00			TO STA. 144+00	
FED. ROAD DIST. NO.	LENGTH	FED. AID PROJECT		

CONTRACT NO. 62376

TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD, OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET
- TELEPHONE CONNECTION
- ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
- ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
- MICROWAVE VEHICLE SENSOR



NOTE 1: THE DOOR FOR THE CONTROLLER CABINET SHALL OPEN TOWARDS THE PAVEMENT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL MODERNIZATION
CHICAGO AVENUE AT MIDDAGH ROAD**

REVISIONS	
NAME	DATE

SCALE: 1"=20'
DATE: SEPTEMBER 30, 2004

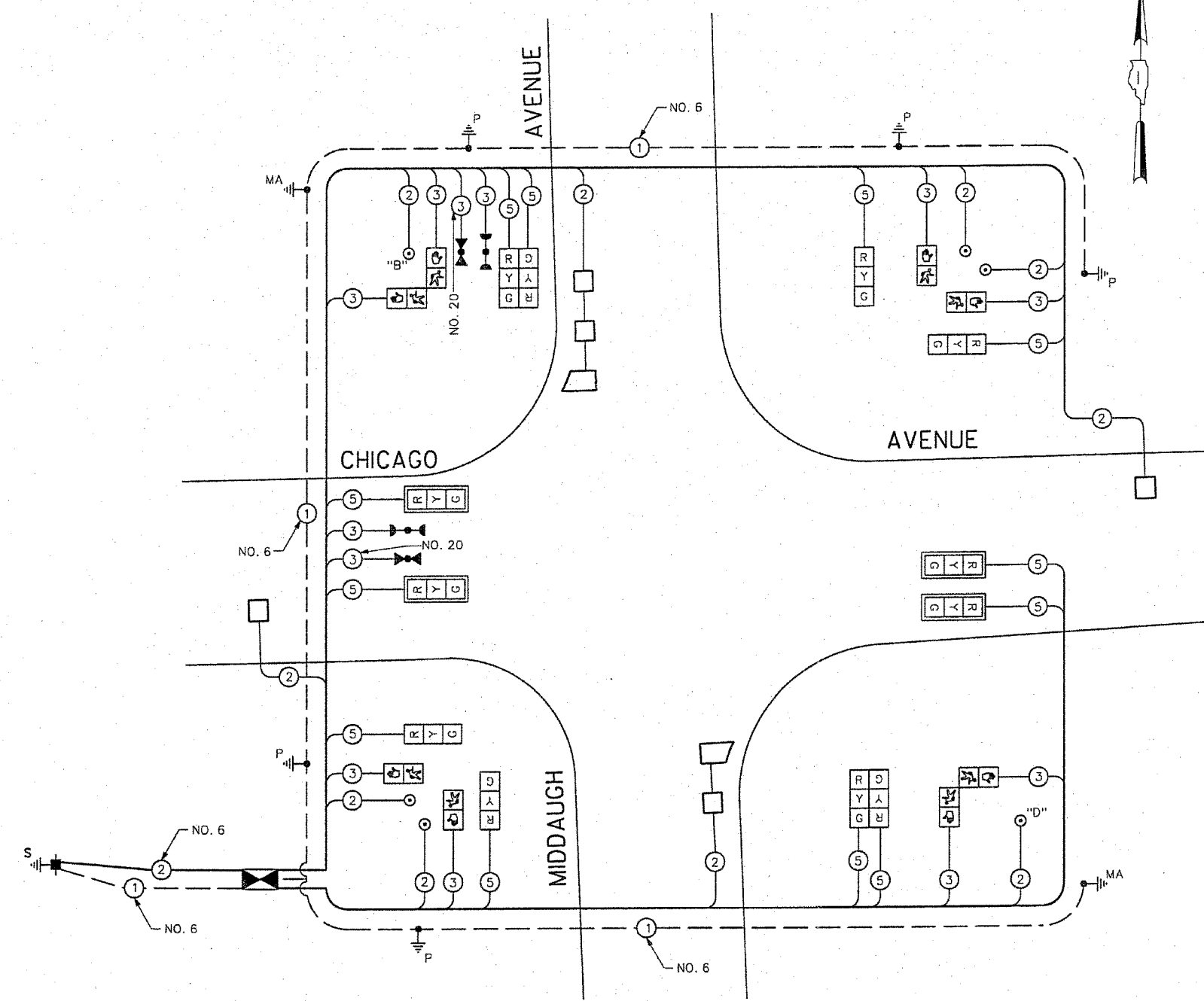
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 308
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

CONTRACT NO. 62376

CABLE PLAN LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|---|
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE INSTALLATION |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | MAGNETIC DETECTOR |
| | | 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 2-MM12F & SM12F |
| | | 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" |
| H/C | | GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER |
| P | | GROUND ROD AT POST OR MAST ARM POLE |
| S | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | LOCAL AND MASTER CONTROLLER |
| | | MICROWAVE VEHICLE SENSOR |



CABLE PLAN

PUSH-BUTTON NOTES:
 PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSH-BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	OPERATION		
		INCAND. LED			
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	0	0	0	0.00	0
PEDESTRIAN SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 472
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: COMED PHONE: (866) 639-3532 COMPANY: COMED					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
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'
E-M.ARM POLE		SIGNAL POST	2 (0.6)	(6m+L-0.6m)±	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PEDESTRIAN PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 8035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
 CHICAGO AVENUE AT MIDDAGH ROAD
 SCALE: N.T.S.
 DATE: SEPTEMBER 30, 2004
 DRAWN BY: BB
 DESIGNED BY: PKG
 CHECKED BY: PKG

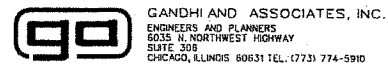
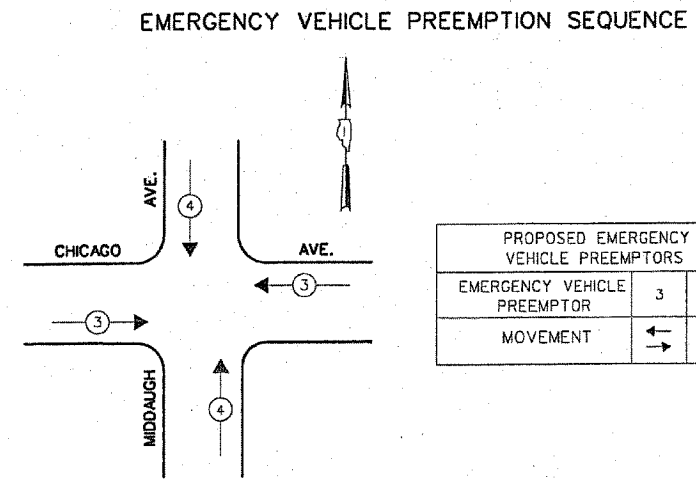
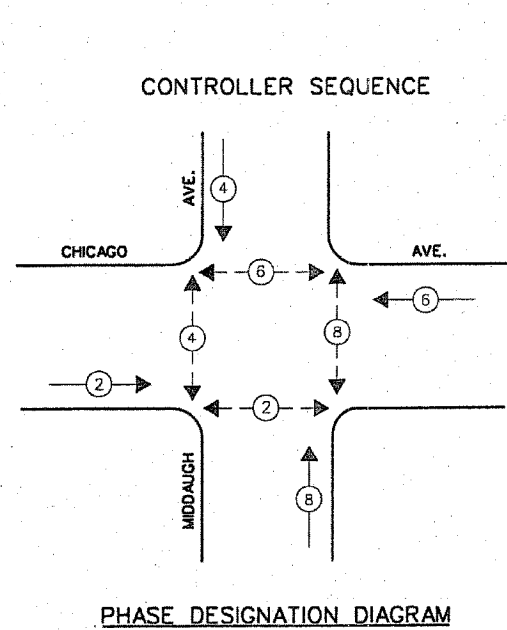
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	162
STA. 23+00.00		TO STA. 144+00		
FED. ROAD DIST. NO.	KLING	FED. AID PROJECT:		

CONTRACT NO. 62376

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
34.5	SO FT	SIGN PANEL - TYPE I
480	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
99	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
52	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
40	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
149	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
632	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
706	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1327	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1670	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
904	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR
30	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
30	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
4	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	INDUCTIVE LOOP DETECTOR
147	FOOT	DETECTOR LOOP, TYPE I
54	FOOT	PREFORMED DETECTOR LOOP
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
5	EACH	REMOVE EXISTING HANDHOLE
6	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION, POLE MOUNT
398	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
295	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED

100% COST TO THE VILLAGE OF CLARENDON HILLS



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26 APR 2005
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REVISIONS	
NAME	DATE

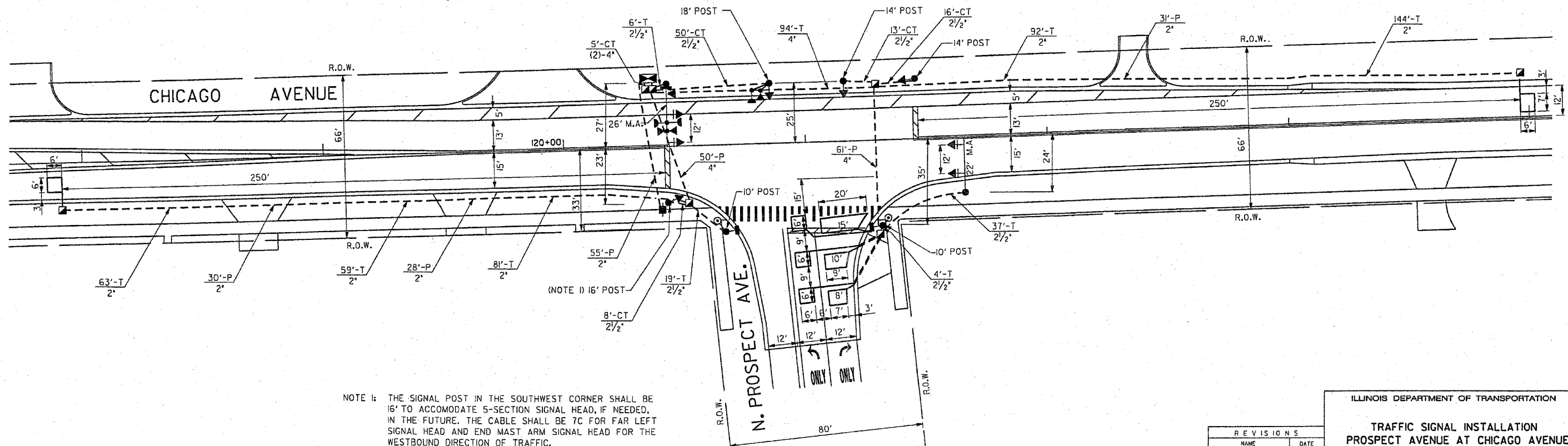
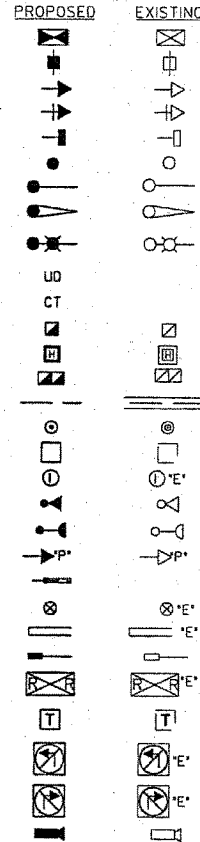
ILLINOIS DEPARTMENT OF TRANSPORTATION
PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE
AND SCHEDULE OF QUANTITIES
CHICAGO AVENUE AT MIDDAUGH AVENUE
SCALE: N.T.S.
DATE: SEPTEMBER 30, 2004
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	163
STA. 23+00.00		TO STA. 144+00		
FED. ROAD DIST. NO.	ELNOS	FED. AID PROJECT:		

CONTRACT NO. 62376

TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD, OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET
- TELEPHONE CONNECTION
- ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
- ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
- MICROWAVE VEHICLE SENSOR



NOTE 1: THE SIGNAL POST IN THE SOUTHWEST CORNER SHALL BE 16' TO ACCOMMODATE 5-SECTION SIGNAL HEAD, IF NEEDED, IN THE FUTURE. THE CABLE SHALL BE 7C FOR FAR LEFT SIGNAL HEAD AND END MAST ARM SIGNAL HEAD FOR THE WESTBOUND DIRECTION OF TRAFFIC.

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION
PROSPECT AVENUE AT CHICAGO AVENUE

REVISIONS	
NAME	DATE

SCALE: 1"=20'
DATE: SEPTEMBER 30, 2004

DRAWN BY: JEK
DESIGNED BY: PKG
CHECKED BY: PKG/BB

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 305
CHICAGO, ILLINOIS 60631 TEL: (773) 774-5910

CONTRACT NO. 62376

CABLE PLAN LEGEND

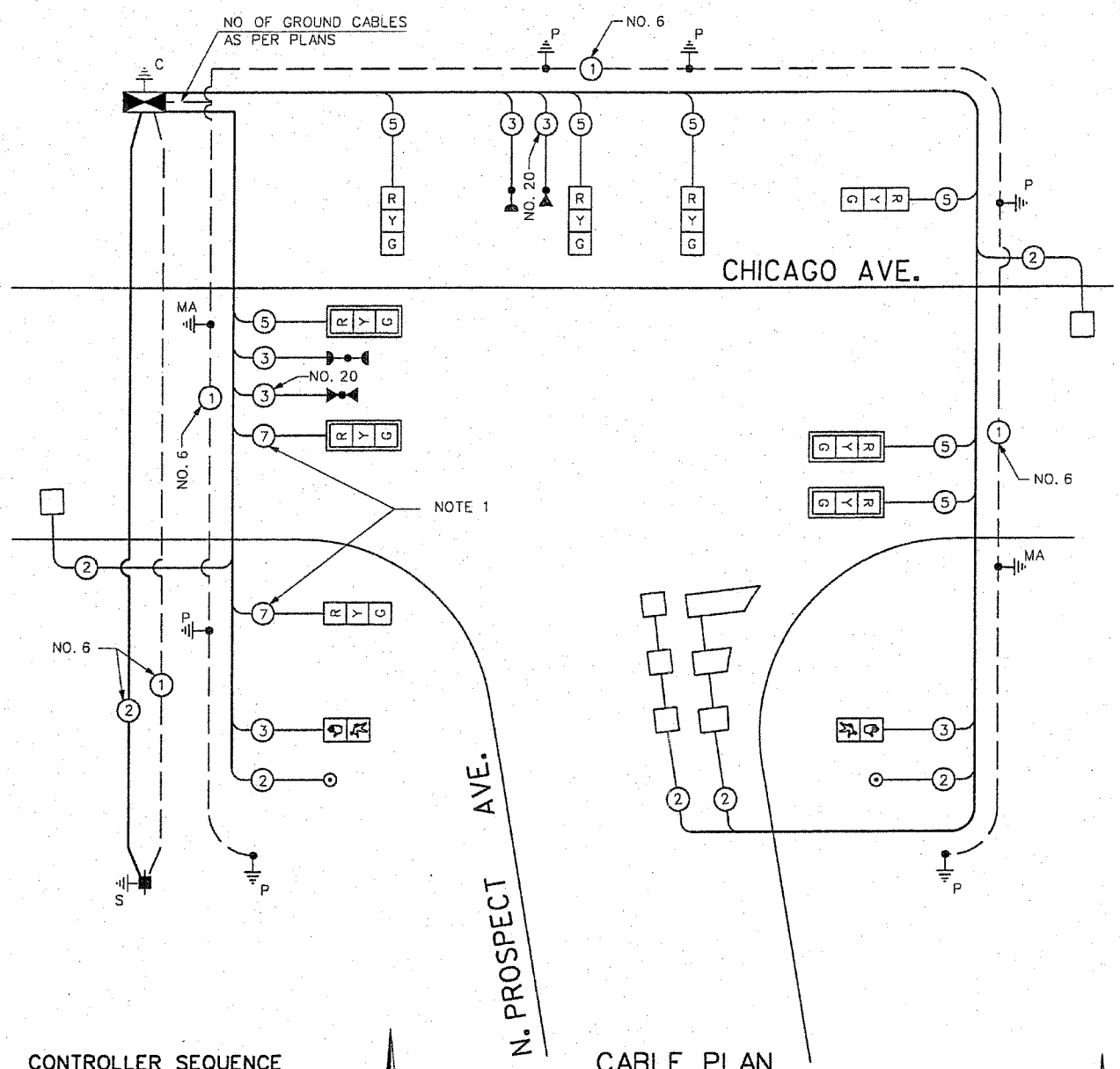
- | EXISTING | PROPOSED | |
|----------|----------|---|
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE 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 2-MM12F & SM12F |
| | | 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" |
| | | H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER |
| | | P GROUND ROD AT POST OR MAST ARM POLE |
| | | S GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | LOCAL AND MASTER CONTROLLER |
| | | MICROWAVE VEHICLE SENSOR |

SCHEDULE OF QUANTITIES

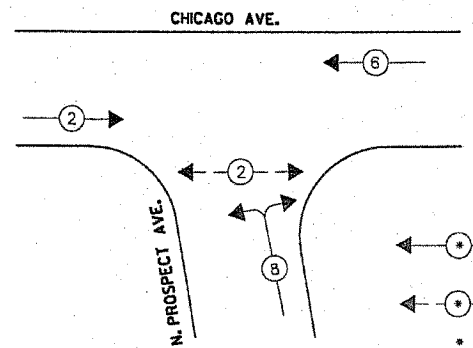
QUANTITY	UNIT	ITEM
26.25	SO FT	SIGN PANEL - TYPE I
439	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
153	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
104	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
144	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
111	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
604	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
312	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
493	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1050	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
184	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1124	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR
74	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
24	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
20	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
4	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	INDUCTIVE LOOP DETECTOR
305	FOOT	PREFORMED DETECTOR LOOP
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION, POLE MOUNT
518	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC
163	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD, L.E.D., I-FACE, 3-SECTION, MAST ARM MOUNTED
5	EACH	SIGNAL HEAD, L.E.D., I-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., I-FACE, BRACKET MOUNTED

100% COST TO THE VILLAGE OF CLARENDON HILLS

NOTE 1: THE CABLES FOR THESE SIGNAL HEADS SHALL BE 7C TO ACCOMMODATE 5-SECTION SIGNAL HEADS, IF NEEDED, IN THE FUTURE.



CONTROLLER SEQUENCE

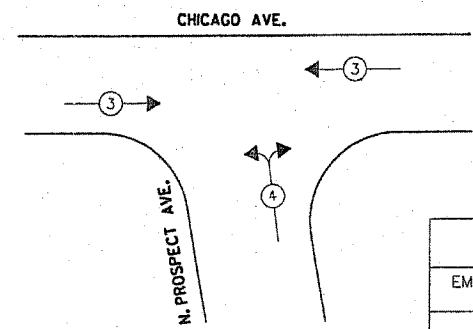


PHASE DESIGNATION DIAGRAM

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
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 (1) POLE	20'+L-2'
E-M.ARM POLE	10 (3.0)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	(6m+L-0.6m)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	PEO. PUSHBUTTON	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	5 (1.5)

CABLE PLAN

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	→

- LEGEND**
- -
 - NUMBER REFERS TO ASSOCIATED PHASE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	INCAND.	LED	OPERATION	
SIGNAL (RED)	9	135	17	0.50		76.50
(YELLOW)	9	135	25	0.25		56.25
(GREEN)	9	135	15	0.25		33.75
ARROW	-	135	12	0.10		-
PED. SIGNAL	2	90	25	1.00		50.00
CONTROLLER	1	100	100	1.00		100.00
ILLUM. SIGN					0.05	
FLASHER					0.50	
ENERGY COSTS TO:						TOTAL = 316.50

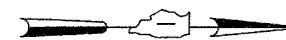
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: COMED
PHONE: (866) 639-3532
COMPANY: COMED

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 308
CHICAGO, ILLINOIS 60631 TEL. (773) 774-6910

REVISIONS	
NAME	DATE

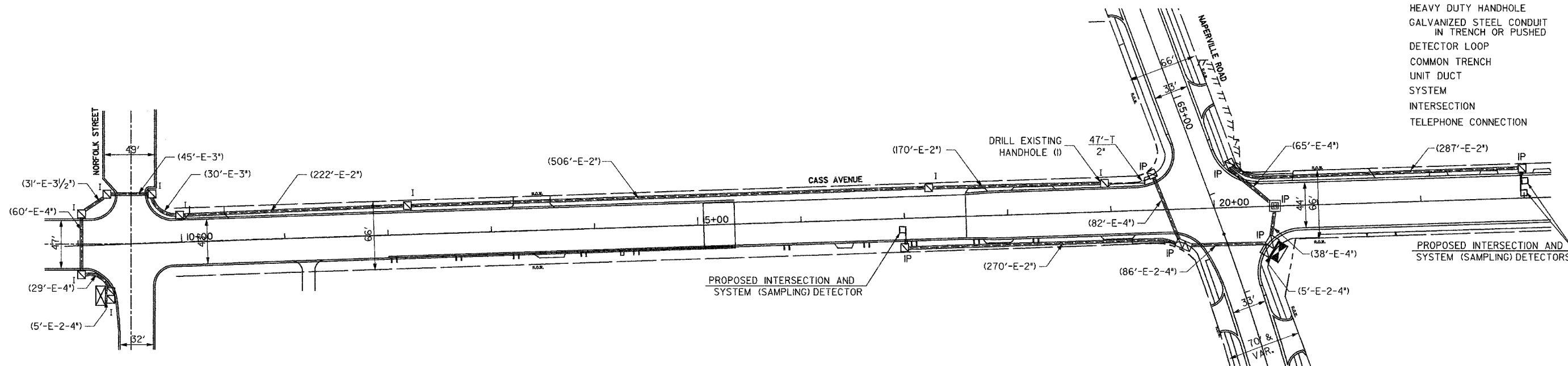
ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
PHASE DESIGNATION DIAGRAM
EMERGENCY VEHICLE PREEMPTION SEQUENCE
AND SCHEDULE OF QUANTITIES
CHICAGO AVENUE AT N. PROSPECT AVENUE
SCALE: N.T.S. DRAWN BY: JEK
DATE: SEPTEMBER 30, 2004 CHECKED BY: PKG/BB

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	165
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		
CONTRACT NO. 62376				



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I
TELEPHONE CONNECTION		



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

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

J:\projects\projects 2003\map\23-Intercon.cass.dgn
28 FEB 2005
10:06:31

REVISIONS	
NAME	DATE

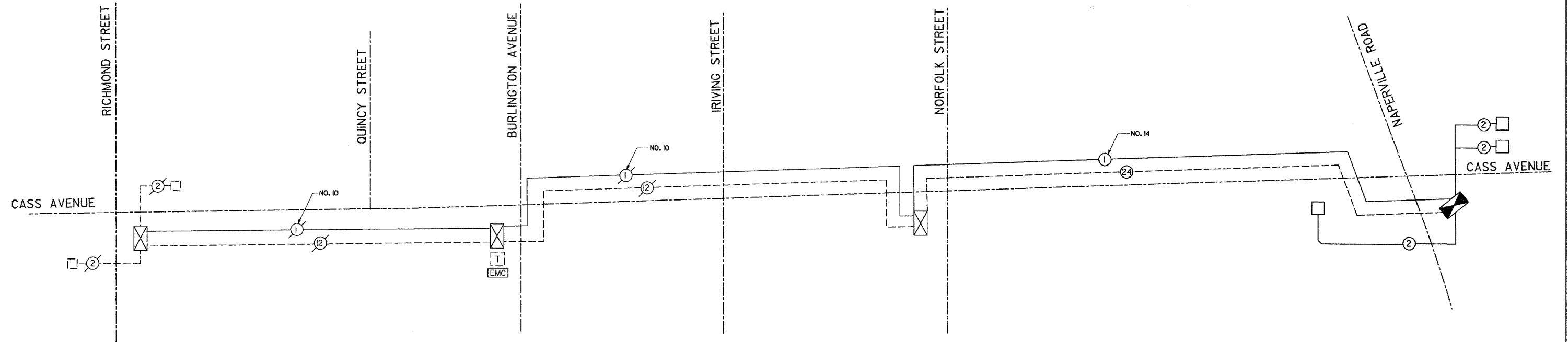
ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL INTERCONNECT
CASS AVENUE
NORFOLK STREET TO NAPERVILLE ROAD**

SCALE: 1"=50'
DATE: SEPTEMBER 30, 2004

DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	166
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		
CONTRACT NO 62376				



SCHEDULE OF INTERCONNECT QUANTITIES

QUANTITY	UNIT	ITEM
47	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
47	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	DRILL EXISTING HANDHOLE
1381	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1418	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 IC
1444	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SMI2F
1	L SUM	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM

INTERCONNECT SCHEMATIC LEGEND

- | | | | |
|--|--|--|---|
| | EXISTING INTERSECTION CONTROLLER | | PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS. |
| | PROPOSED INTERSECTION CONTROLLER | | EXISTING FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F & SMI2F |
| | EXISTING MASTER CONTROLLER | | PROPOSED FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F & SMI2F |
| | PROPOSED MASTER CONTROLLER | | EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F. FIBER OPTIC CABLE |
| | MASTER MASTER CONTROLLER | | PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE |
| | EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS | | EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED |
| | PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS | | PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED |
| | EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS | | EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED |
| | EXISTING SAMPLING (SYSTEM) DETECTORS | | PROPOSED LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED |
| | PROPOSED SAMPLING (SYSTEM) DETECTORS | | EXISTING ELECTRIC CABLE 1/C (AS SPECIFIED) |
| | EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS. | | PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED) |
| | EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED SAMPLING (SYSTEM) DETECTORS. | | EXISTING TELEPHONE CONNECTION |
| | EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS | | PROPOSED TELEPHONE CONNECTION |
| | PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS | | |
| | EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS. | | |

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

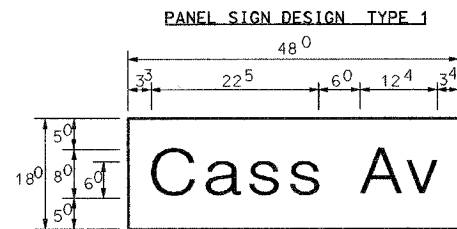
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

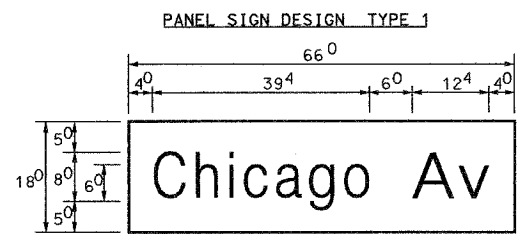
INTERCONNECT SCHEMATIC
CASS AVENUE
RICHMOND STREET TO NAPERVILLE ROAD

SCALE: NONE
DATE: SEPTEMBER 30, 2004

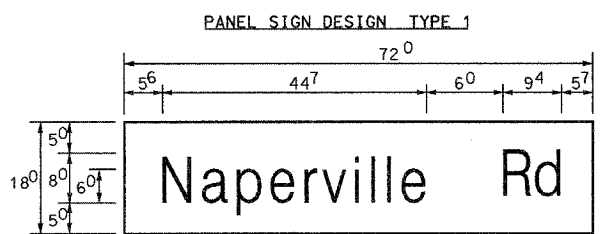
DRAWN BY: BB
DESIGNED BY: PKG
CHECKED BY: PKG



6.0 Sq. Ft. each
 2 Required
 Design Series D



8.25 Sq. Ft. each
 5 Required
 Design Series D



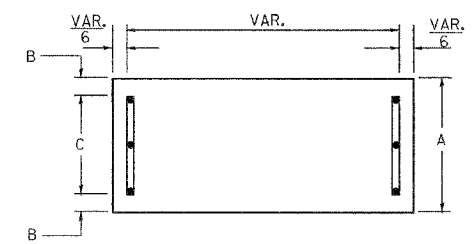
9.0 Sq. Ft. each
 2 Required
 Design Series C

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

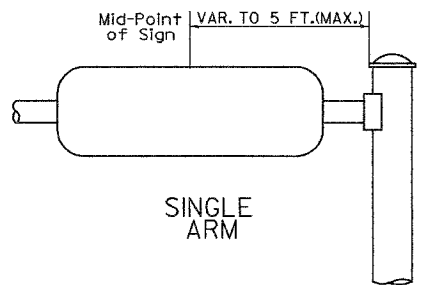
GENERAL NOTES

- 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 834001, 834006 AND 834011, 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, TYPE A 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 SCHALMBURG, IL
 - * TUCKER COMPANY, INC. WAUWATOSA, WI
 - * AMERICAN FABRICATION CO. CHICAGO HEIGHTS, IL
 - * WESTERN TRAFFIC CONTROL INC. CICERO, IL
- PARTS LISTING:**
 SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x P.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/BRACKET OF THE ABOVE PRODUCT.

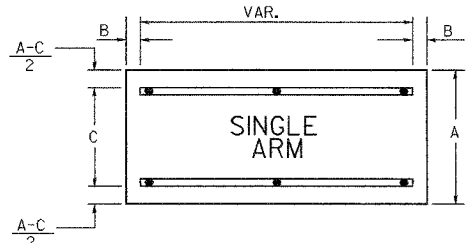
SUPPORTING CHANNELS



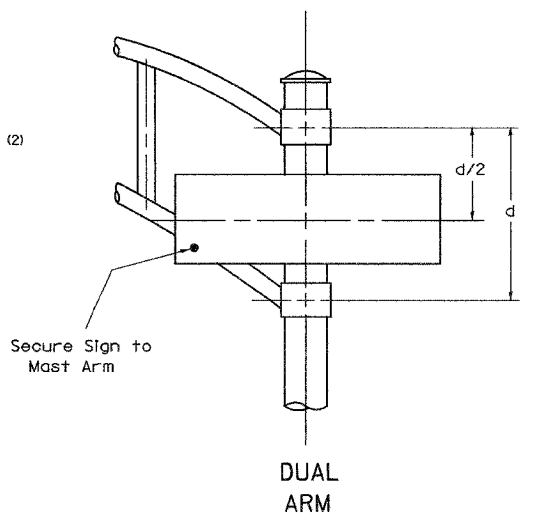
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



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



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

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

EXAMPLE, 2 DENOTES 3/8"

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	C	D
A W X	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 E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	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	C	D
a d h g l j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
i m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

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
2 3 4	14	15	14	15	14	15	12	14	14	15	14	15	11	12	16	17	14	15		
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	14	14	15	14	15	11	12	14	15	14	15		
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

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		SERIES			SERIES		SERIES	
	C	D	C	D	C	D	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	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

REVISIONS	
NAME	DATE
D.A.Z./D.A.G.	11/90
	6/98
CADD	10/00

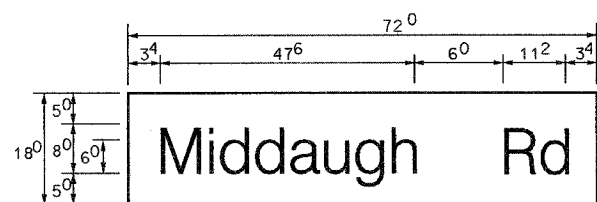
Illinois Department of Transportation
 DISTRICT I

MAST ARM MOUNTED STREET NAME SIGNS

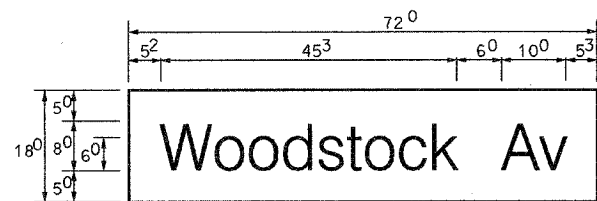
SCALE: NONE
 DATE: **DATE**

DRAWN BY: RDB
 DESIGNED BY: JHE
 CHECKED BY: DAD

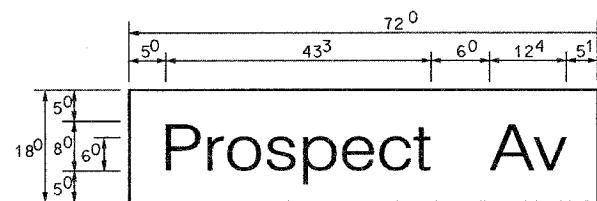
PANEL SIGN DESIGN TYPE 1



9.0 Sq. Ft. each
2 Required
Design Series D



9.0 Sq. Ft. each
2 Required
Design Series C



9.0 Sq. Ft. each
2 Required
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

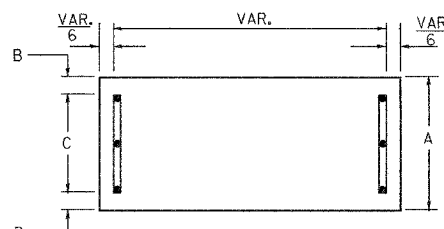
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS 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.
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- 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, SCHALMBURG, IL
- * TUCKER COMPANY, INC., WAUWATOSA, WI
- * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
- * WESTERN TRAFFIC CONTROL INC., CICERO, IL

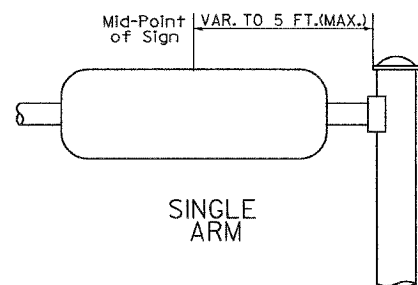
PARTS LISTING:
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 1/4" x 1" H.W.H. #3
BRACKETS PART #HPN034 (UNIVERSAL)

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

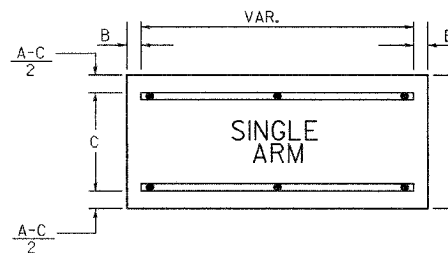
SUPPORTING CHANNELS



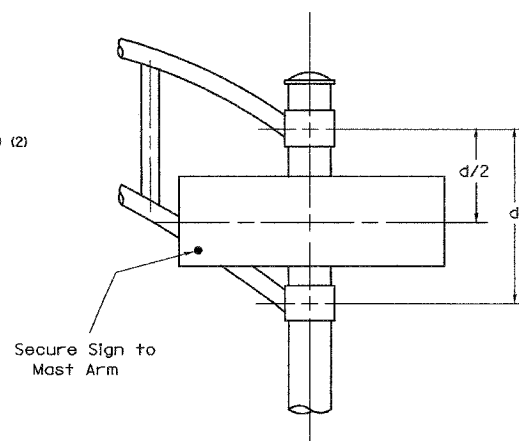
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



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



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

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

EXAMPLE, 2 DENOTES 3/8

FIRST LETTER	SECOND LETTER																			
	a c d e		g o q		b h i k l		m n p r u		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	14	12	14	16	17	
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	14	15	14	15		
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15				
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15				
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12				
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21				
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21				
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14				
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14				
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14				
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14				
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12				
Z	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		g o q		b h i k l		m n p r u		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g l j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17				
l m n q u	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14				
b f k o p s	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10				
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14				
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12				
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14				
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14				

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
2 3 4	14	15	14	15	14	15	12	14	14	15	14	15	11	12	16	17	14	15		
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	2	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

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	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

REVISIONS	
NAME	DATE
D.A.Z./D.A.G.	11/90
	6/98
CADD	10/00

Illinois Department of Transportation
DISTRICT I

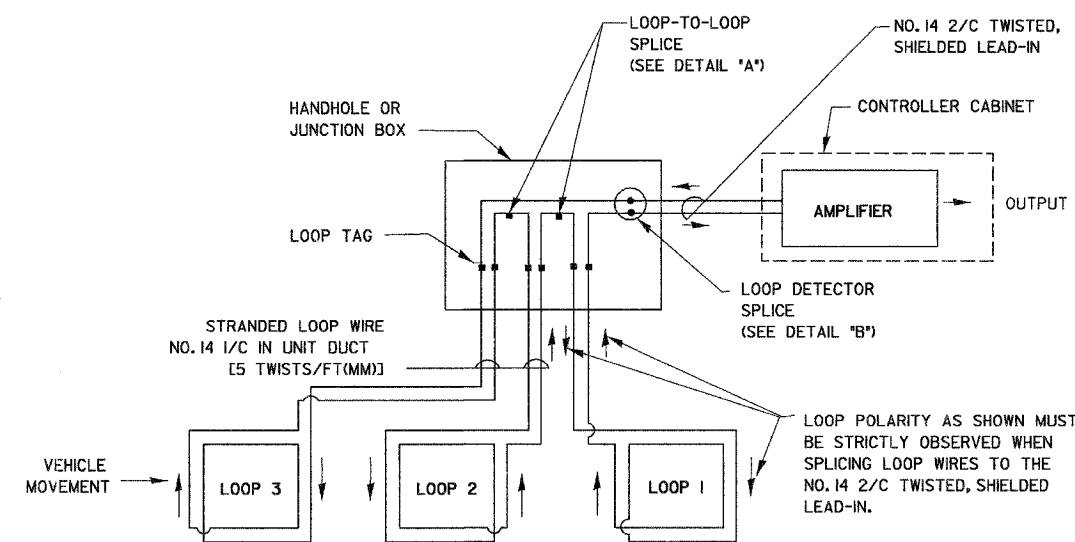
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE
DATE: **DATE**

DRAWN BY: ROB
DESIGNED BY: JHE
CHECKED BY: DAD

LOOP DETECTOR NOTES

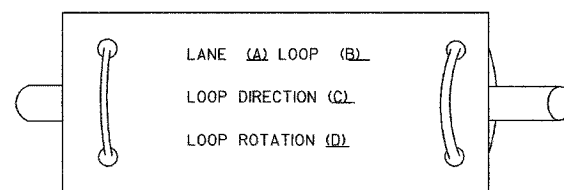
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED 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.
- 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 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 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.
- 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.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



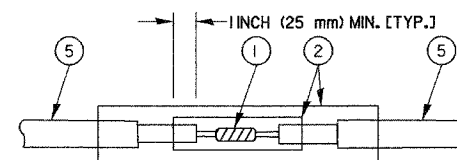
DETECTOR LOOP WIRING SCHEMATIC

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

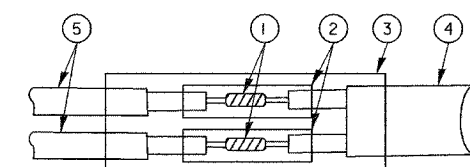
LOOP LEAD-IN CABLE TAG



- LANE I IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #I IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3' (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6' (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE

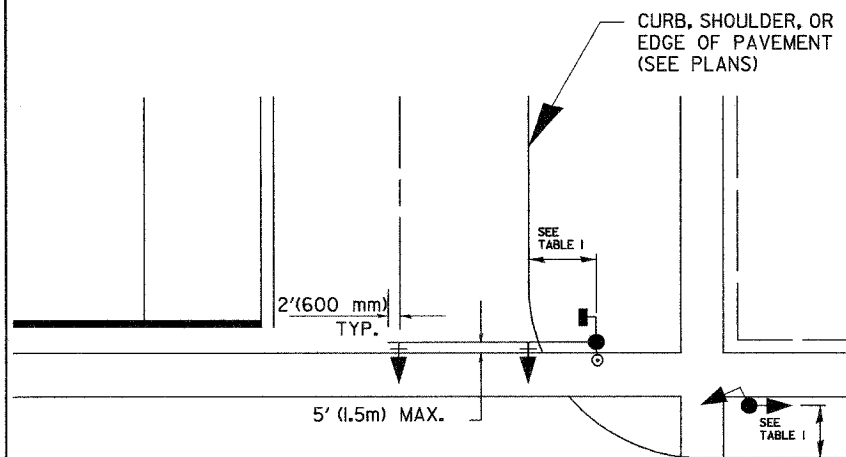
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: VERT. NONE
HORIZ. NONE
DATE 1-01-02

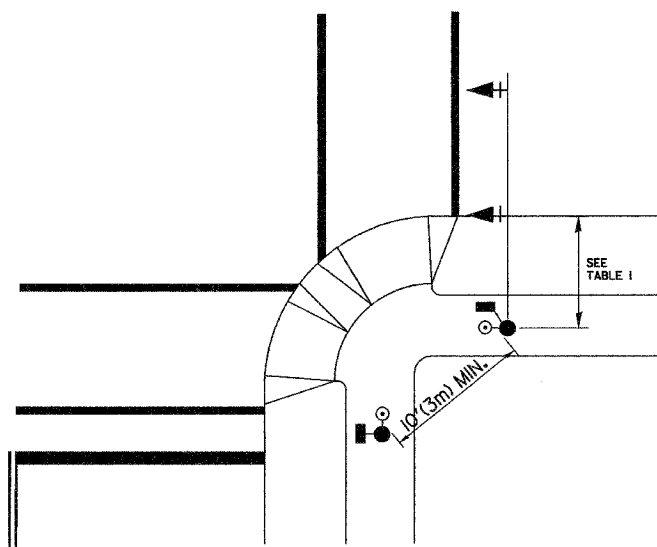
DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.
 AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.
 PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

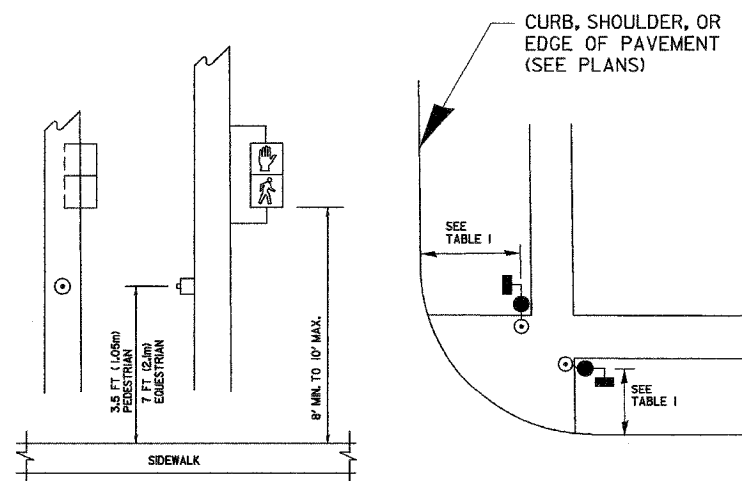


TABLE I

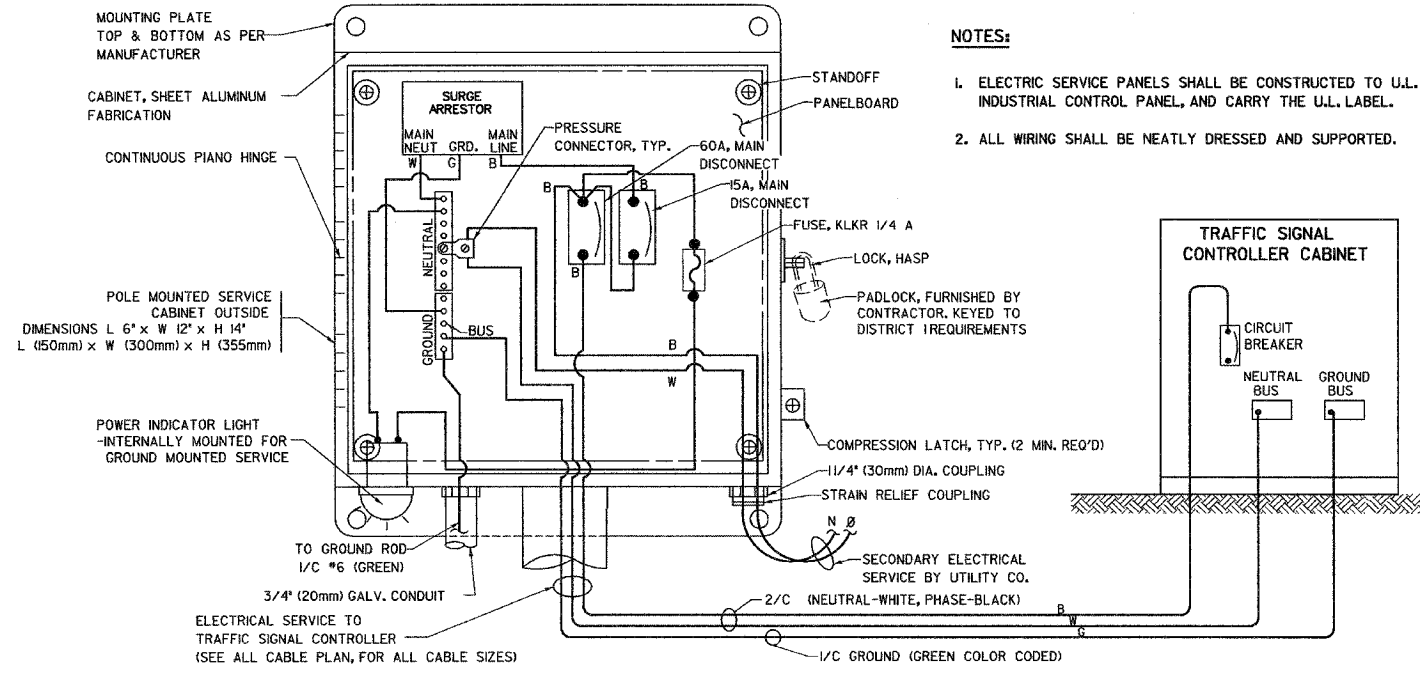
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE

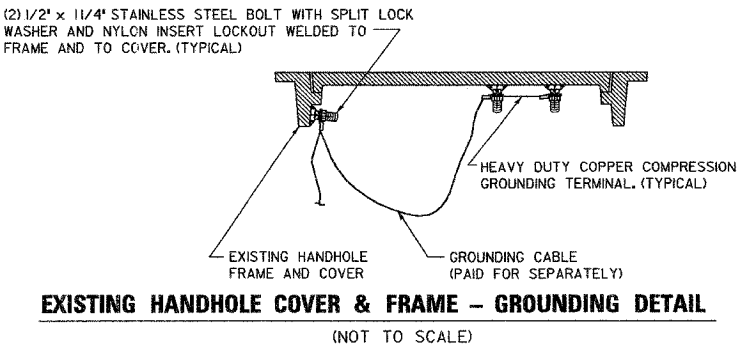
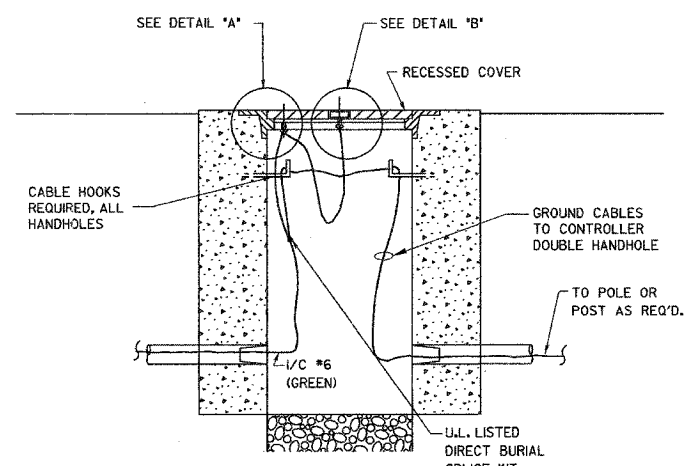
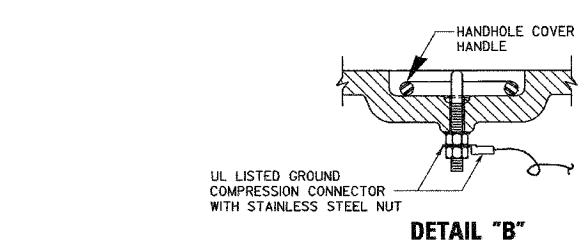
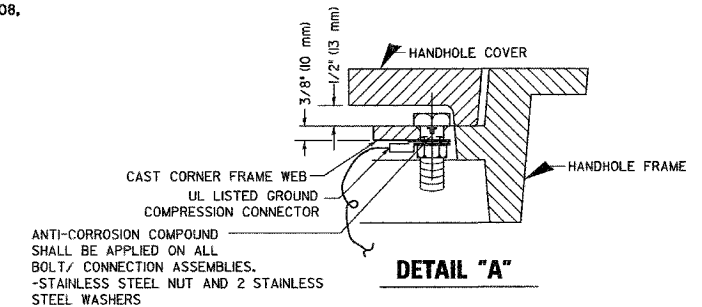
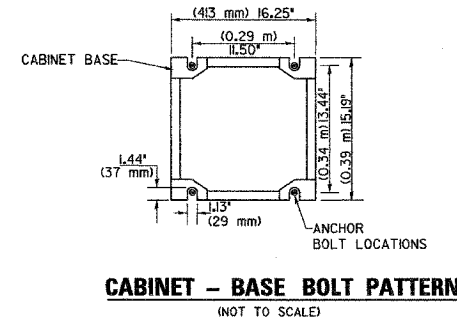
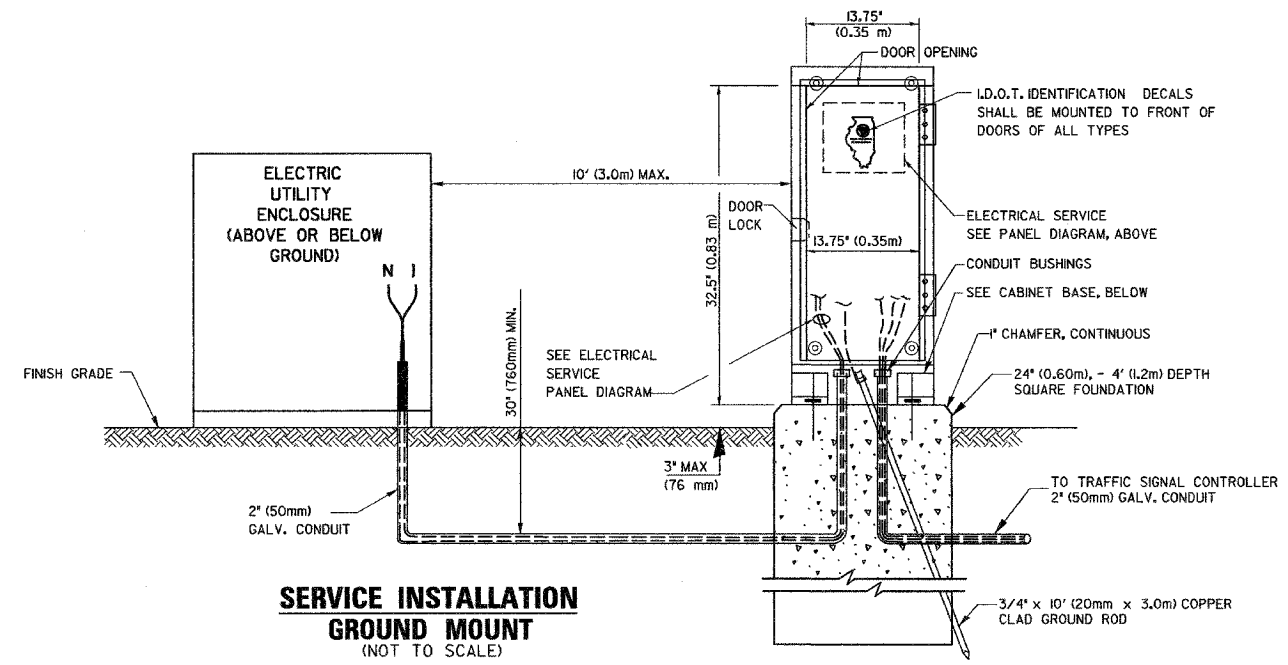
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT I
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

SCALE: VERT. NONE
 HORIZ. NONE
 DATE 1-01-02
 DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 2 OF 4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	171
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 62376				



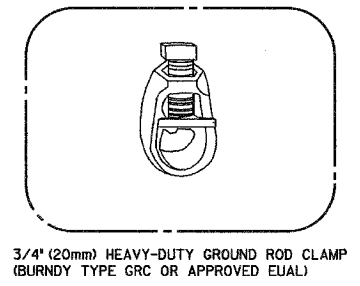
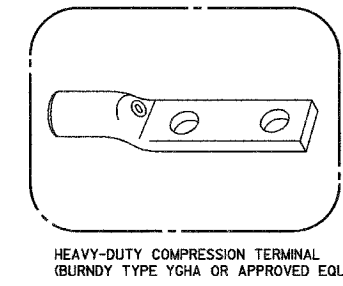
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



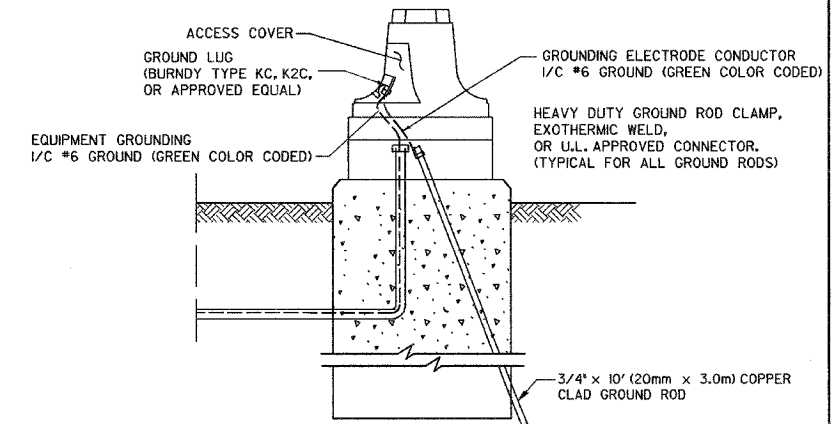
NOTES:

GROUNDING SYSTEM

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



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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT I
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

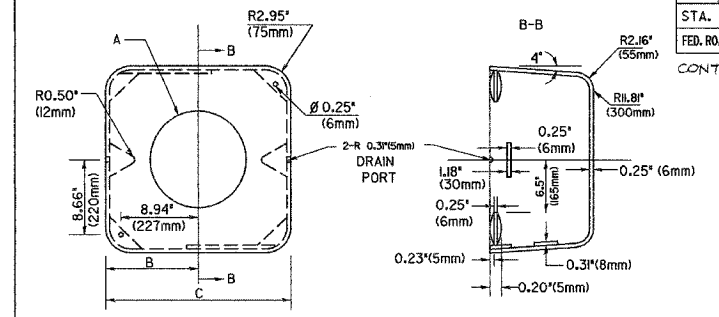
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 HORIZ. 1-01-02
 DATE: 1-01-02

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 3 OF 4

J:\projects\projects 2003\maple\03-std3.dgn

DATE-TIME
 06N-SPEC

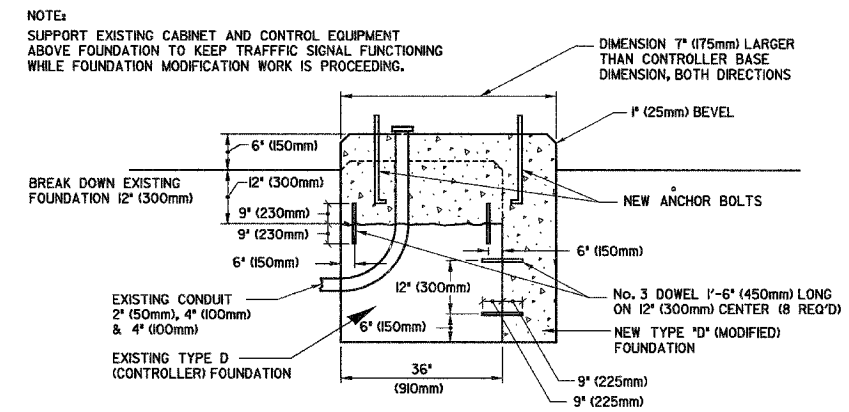
TS05



TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125" (257mm)	9.5" (241mm)	19" (483mm)	12" (300mm)	24kg
II	Ø 11.125" (283mm)	10.75" (273mm)	21.5" (546mm)	12" (300mm)	26kg

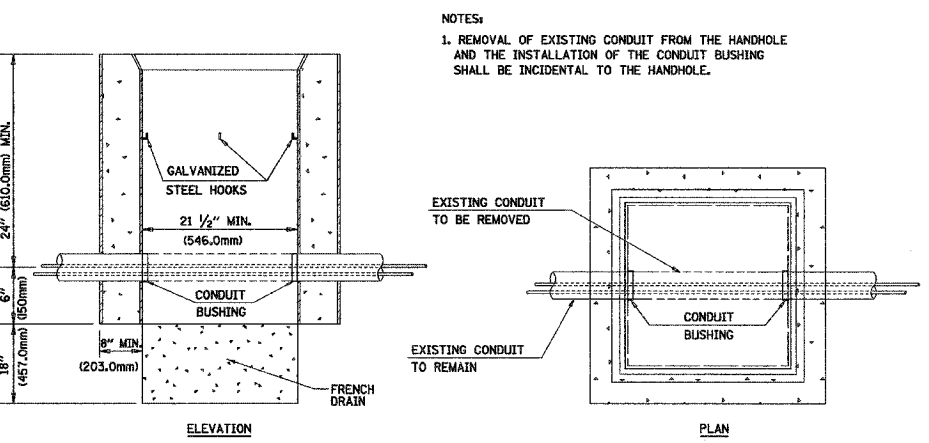
SHROUD DETAIL

MATERIAL:
 - ASTM A48 CLASS 30 GREY IRON
 - ASTM A123 HOT DIPPED GALVANIZED



MODIFY EXISTING TYPE 'D' FOUNDATION

(NOT TO SCALE)

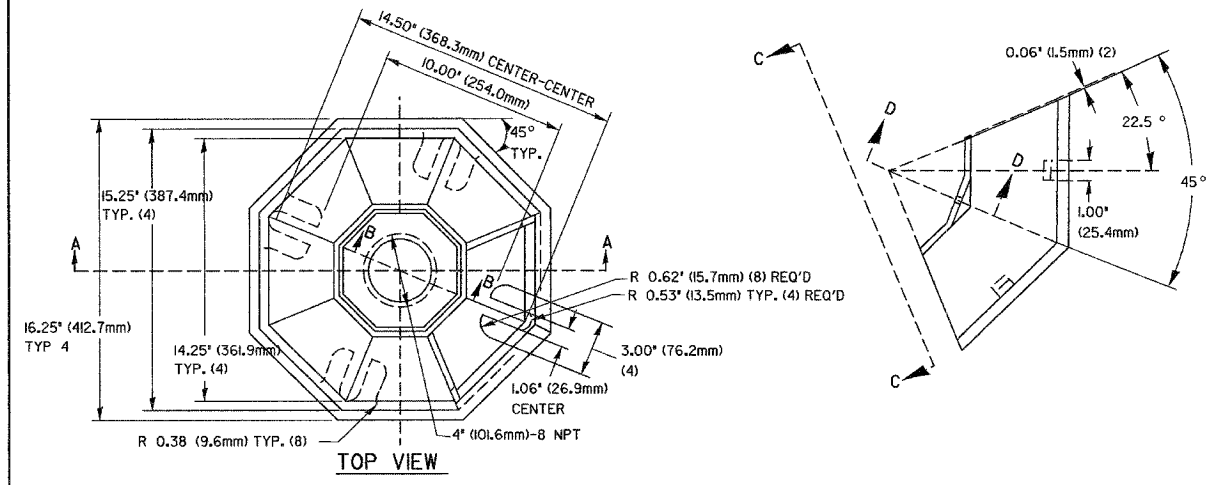


DETAIL HANDHOLE TO INTERCEPT EXISTING CONDUIT N.T.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT I
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

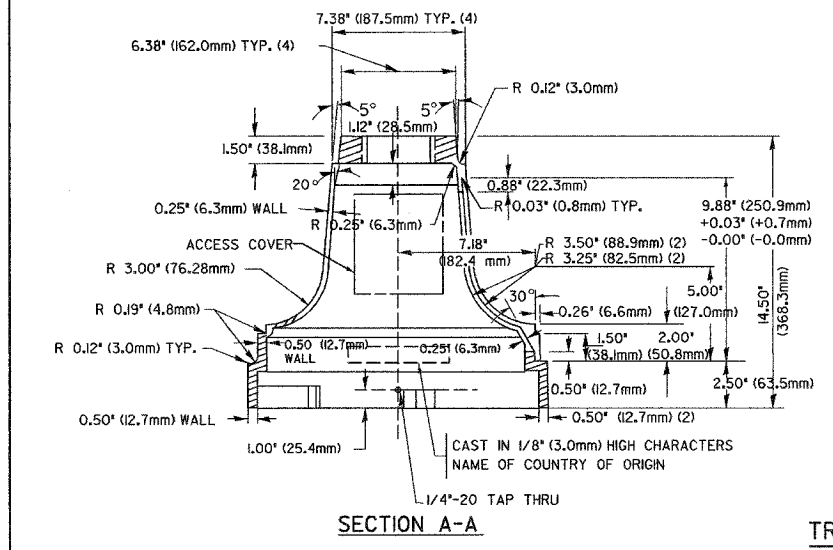
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 HORIZ. NONE
 DATE: I-01-02
 DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 4 OF 4



TOP VIEW

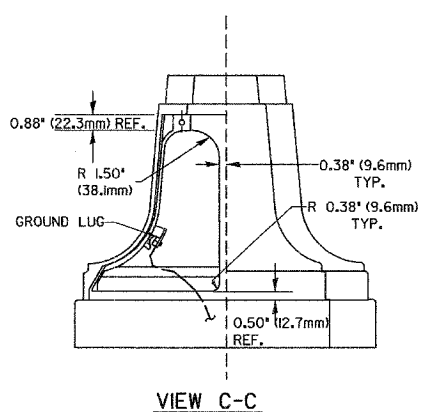
SECTION B-B

SECTION D-D

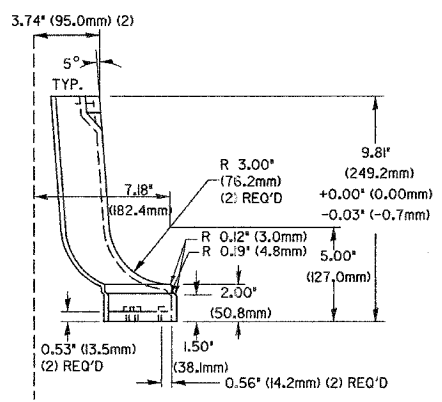


SECTION A-A

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



VIEW C-C

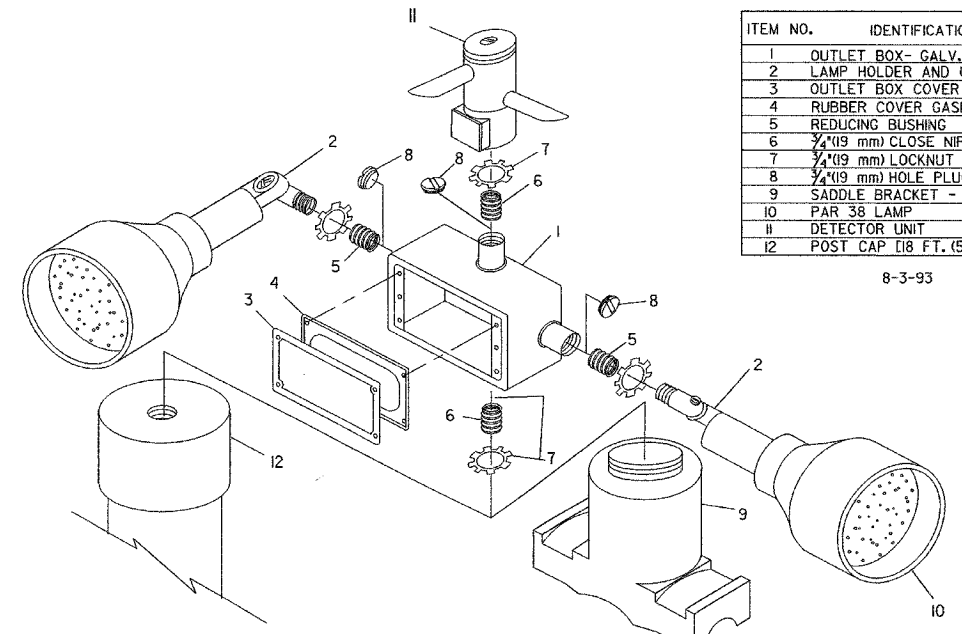


NOTES:

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

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	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

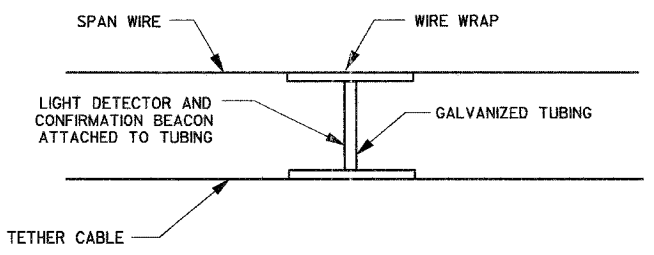
8-3-93



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

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









DATE-TIME
 DGN-SPEC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	4/2	1/23
STA. 23+00.00 TO STA. 144+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62376				

GENERAL NOTES / LIGHTING PLAN

- ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
- THE CONTRACTOR IS TO VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE BEGINNING ANY TRENCHING OR AUGURING OPERATIONS.
- PRIOR TO INSTALLING LIGHT STANDARDS NEAR ANY EXISTING OVERHEAD ELECTRICAL FACILITIES, THE CONTRACTOR IS TO NOTIFY UTILITY COMPANY OF THE WORK IN PROGRESS.
- FOR LOCATION OF ANY UNDERGROUND ELECTRICAL FACILITIES, THE CONTRACTOR IS TO COORDINATE WITH THE RESPONSIBLE UTILITY. THE CONTRACTOR SHALL ALSO NOTIFY J.U.L.I.E. TO LOCATE, MARK, OR STAKE UNDERGROUND UTILITIES.
- ALL LIGHT POLES ARE TO BE 35' M.H. WITH 12' M.A.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (I.e. DECORATIVE ROCKS, SHRUBS, PLANTS, SOUNDWALLS, ETC.) OR SHALL REPLACE IT, WITH THE COSTS TO BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
- ALL ROADWAY LIGHTING POLES SHALL BE UL LISTED.
- WHERE SEPARATE CONDUIT RUNS ARE TO BE INSTALLED WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED AND SHALL BE MEASURED ONLY ONCE FOR PAYMENT, AS TRENCH AND BACKFILL.
- A NYLON PULL STRING SHALL BE PROVIDED IN ALL CONDUITS THAT ARE SPARE.
- POLE LOCATION AND SETBACK:
THE CONTRACTOR SHALL LOCATE POLE FOUNDATION ACCORDING TO THE PLANS. THE DISTANCE FROM THE FACE OF THE TRANSFORMER BASE TO THE BACK OF THE CURB SHALL BE MINIMUM 2 FT.
- THE CONTRACTOR SHALL COMPLY WITH IDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, AND NATIONAL ELECTRICAL CODE.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
- UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN ON THESE PLANS ARE PROPOSED NEW ITEMS OF WORK.
- THERE SHOULD BE NO UNDERGROUND SPLICES.

SYMBOLS

-  PROPOSED 35 FT. MH, T-BASE, 250W LUMINAIRE
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
-  LOCATION OF THE REINSTALLED LIGHTING UNIT
-  CAPPED CONDUIT
-  CONCEALED CONDUIT
-  GROUND ROD
-  UNIT DUCT 3-1/2" DIA. NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1/4" DIA. POLYETHYLENE.
-  LIGHTING CONTROLLER EXISTING
-  ORNAMENTAL LIGHTING UNIT

BILL OF MATERIALS

ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
UNIT DUCT, WITH 3-1/2" NO. 4 AND 1/C NO. 6 GROUND 600 VOLT (EPR-TYPE RHW), 1/4" DIA. POLYETHYLENE	FOOT	1300	1300
LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	6	6
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	80	80
GROUND ROD, 5/8" DIA. X 10 FT.	EACH	7	7
CONDUIT PUSHED, 2 1/2" DIAMETER, RIGID GALVANIZED STEEL	FOOT	200	200
CONDUIT IN TRENCH, 4" DIAMETER, RIGID GALVANIZED STEEL	FOOT	550	550
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1300	1300
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	6	6
RELOCATE EXISTING LIGHTING UNIT	EACH	2	2
BREAKAWAY DEVICE, TRANSFORMER BASE (9" HIGH), 11.5" BOLT CIRCLE	EACH	7	7
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4	4
REMOVAL OF EXISTING POLE FOUNDATION	EACH	2	2

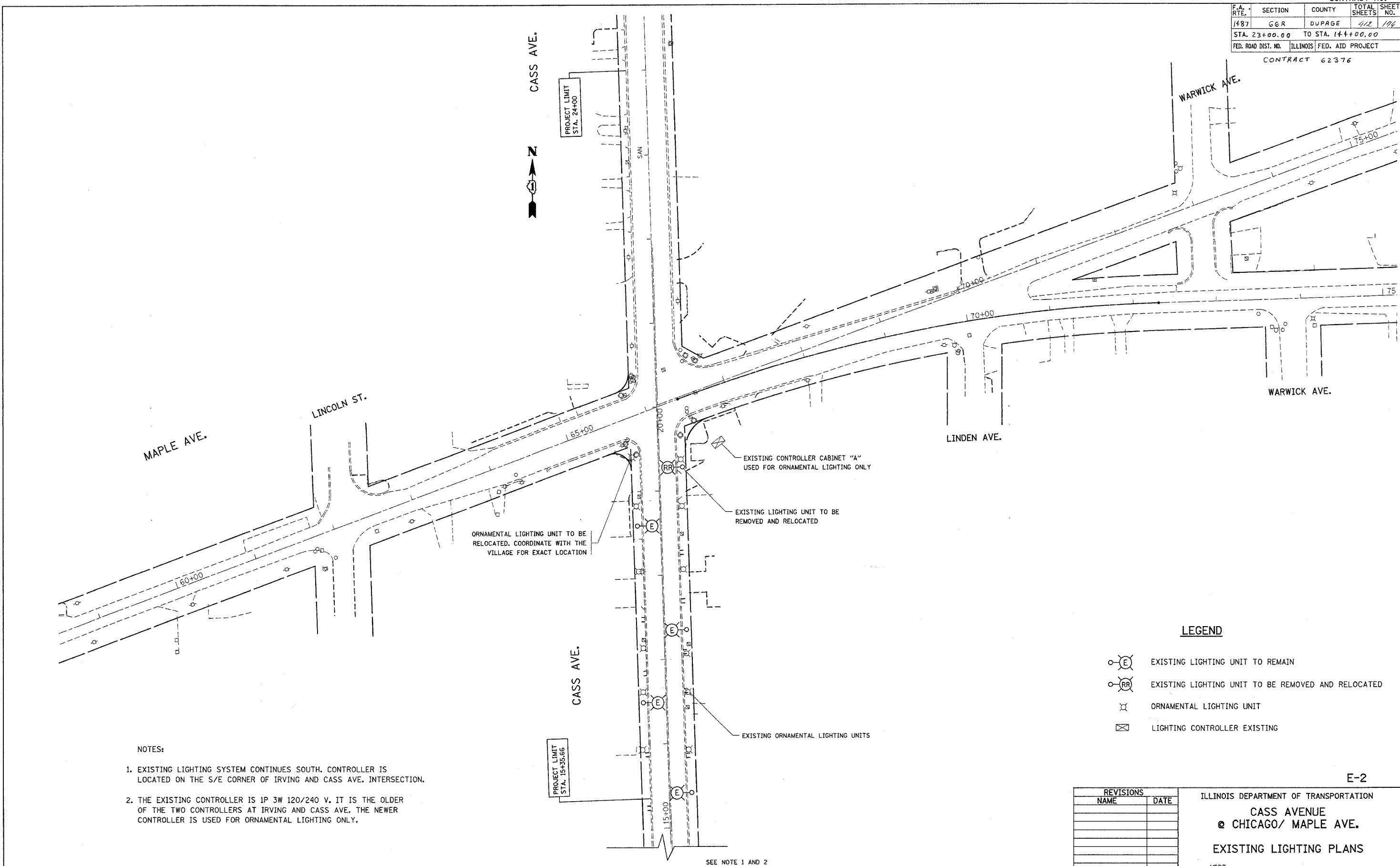
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CASS AVENUE
 @ CHICAGO/ MAPLE AVE.
 BILL OF MATERIALS
 GENERAL NOTES & SYMBOLS

SCALE: VERT.
 HORIZ.
 DATE 11/17/2004

DRAWN BY 1DOT
 CHECKED BY 1DOT

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
1487	G6R	DUPAGE	412
STA. 23+00.00		TO STA. 14+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT 62376			



- NOTES:
- EXISTING LIGHTING SYSTEM CONTINUES SOUTH. CONTROLLER IS LOCATED ON THE S/E CORNER OF IRVING AND CASS AVE. INTERSECTION.
 - THE EXISTING CONTROLLER IS 1P 3W 120/240 V. IT IS THE OLDER OF THE TWO CONTROLLERS AT IRVING AND CASS AVE. THE NEWER CONTROLLER IS USED FOR ORNAMENTAL LIGHTING ONLY.

SEE NOTE 1 AND 2

LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
- ORNAMENTAL LIGHTING UNIT
- LIGHTING CONTROLLER EXISTING

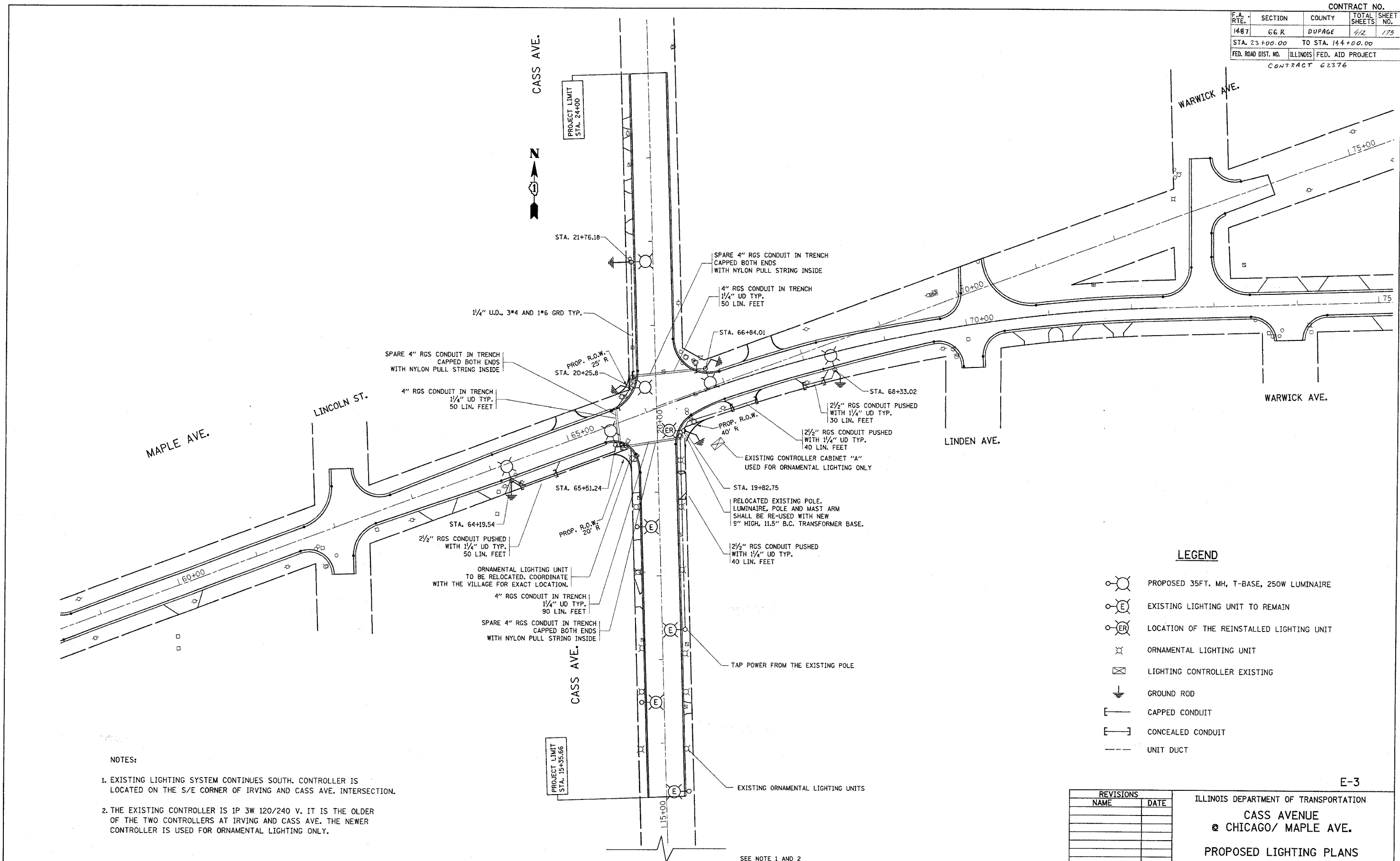
E-2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CASS AVENUE
@ CHICAGO/ MAPLE AVE.
EXISTING LIGHTING PLANS

SCALE: VERT. DRAWN BY 100T
 HORIZ. CHECKED BY 100T
 DATE 11/17/2004

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66 R	DUPAGE	412	175
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT 62376				



LEGEND

- PROPOSED 35FT. MH, T-BASE, 250W LUMINAIRE
- EXISTING LIGHTING UNIT TO REMAIN
- LOCATION OF THE REINSTALLED LIGHTING UNIT
- ORNAMENTAL LIGHTING UNIT
- LIGHTING CONTROLLER EXISTING
- GROUND ROD
- CAPPED CONDUIT
- CONCEALED CONDUIT
- UNIT DUCT

NOTES:

1. EXISTING LIGHTING SYSTEM CONTINUES SOUTH. CONTROLLER IS LOCATED ON THE S/E CORNER OF IRVING AND CASS AVE. INTERSECTION.
2. THE EXISTING CONTROLLER IS 1P 3W 120/240 V. IT IS THE OLDER OF THE TWO CONTROLLERS AT IRVING AND CASS AVE. THE NEWER CONTROLLER IS USED FOR ORNAMENTAL LIGHTING ONLY.

PROJECT LIMIT
STA. 19+35.66

SEE NOTE 1 AND 2

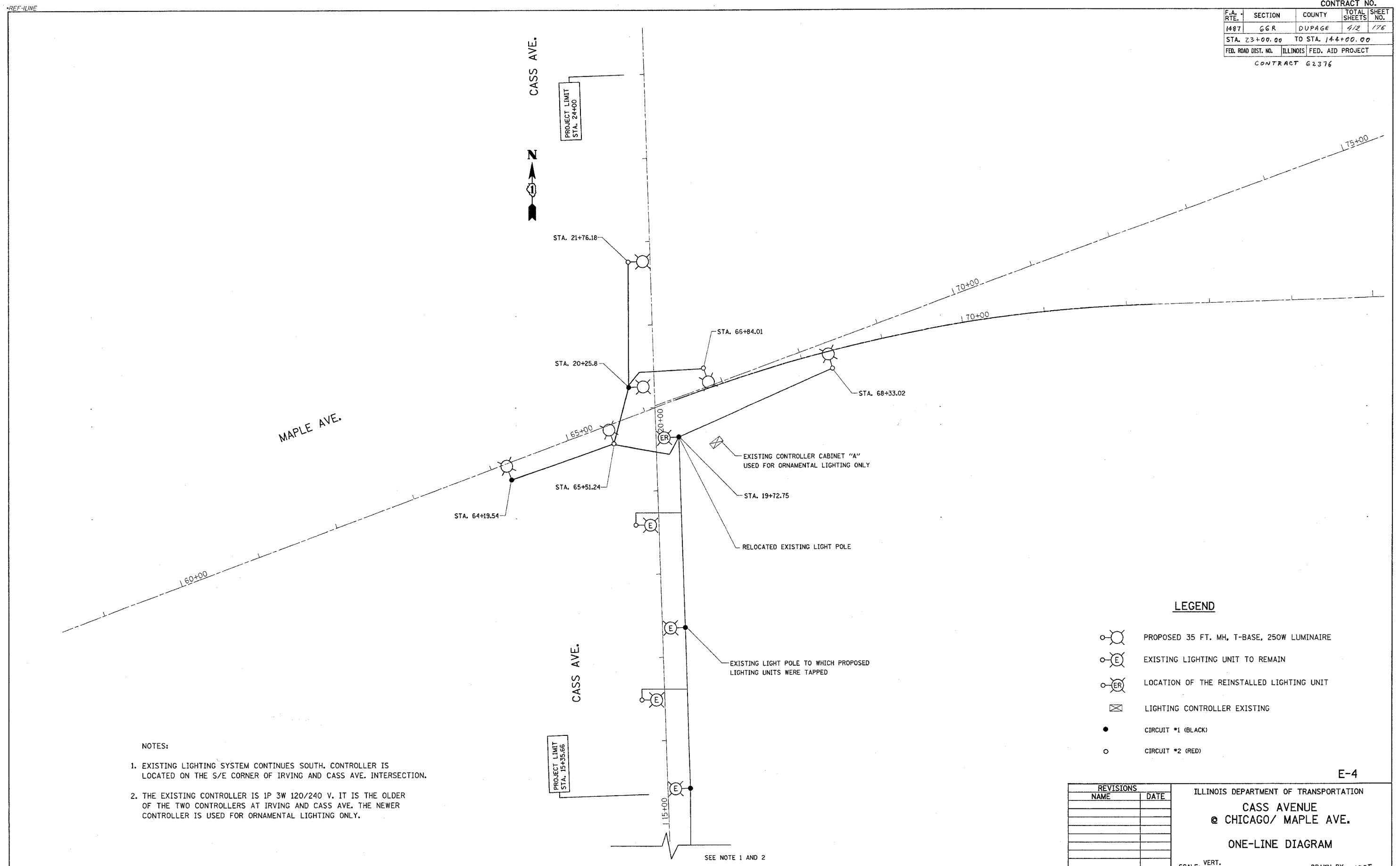
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CASS AVENUE
@ CHICAGO/ MAPLE AVE.
PROPOSED LIGHTING PLANS

SCALE: VERT. 1"=10'
 HORIZ. 1"=40'
 DATE 11/17/2004
 DRAWN BY 100T
 CHECKED BY 100T

11/17/2004
 c:\projects\pl45799\electrical.m32
 hupsw

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	4/2	176
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT 62376				



- NOTES:
- EXISTING LIGHTING SYSTEM CONTINUES SOUTH. CONTROLLER IS LOCATED ON THE S/E CORNER OF IRVING AND CASS AVE. INTERSECTION.
 - THE EXISTING CONTROLLER IS 1P 3W 120/240 V. IT IS THE OLDER OF THE TWO CONTROLLERS AT IRVING AND CASS AVE. THE NEWER CONTROLLER IS USED FOR ORNAMENTAL LIGHTING ONLY.

LEGEND

- PROPOSED 35 FT. MH, T-BASE, 250W LUMINAIRE
- EXISTING LIGHTING UNIT TO REMAIN
- LOCATION OF THE REINSTALLED LIGHTING UNIT
- LIGHTING CONTROLLER EXISTING
- CIRCUIT #1 (BLACK)
- CIRCUIT #2 (RED)

REVISIONS	
NAME	DATE

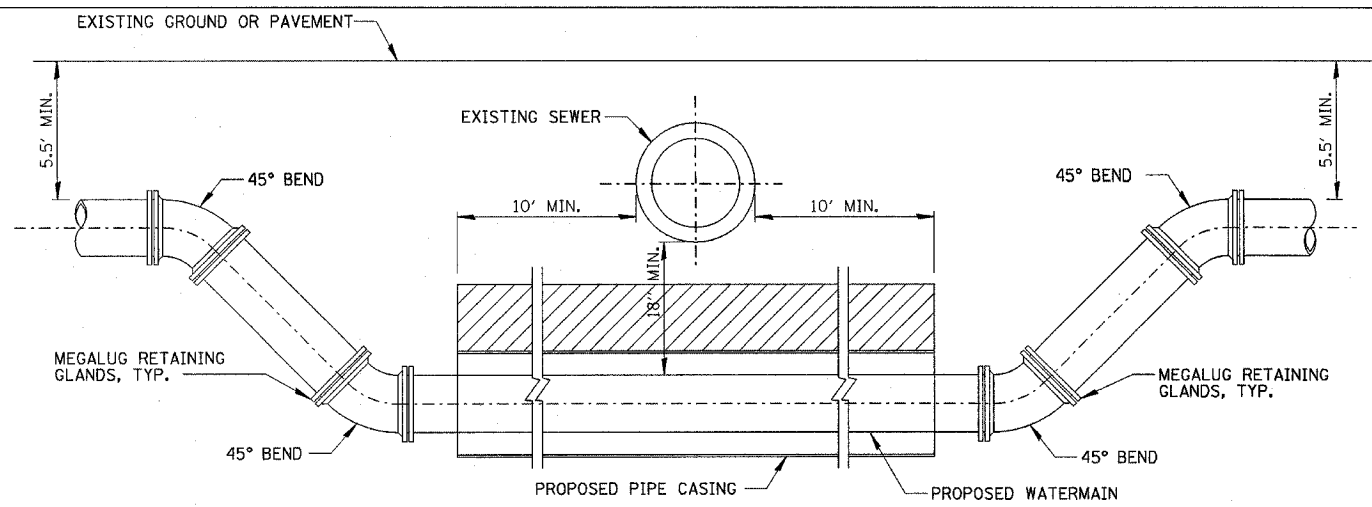
ILLINOIS DEPARTMENT OF TRANSPORTATION
CASS AVENUE
@ CHICAGO/ MAPLE AVE.
ONE-LINE DIAGRAM

SCALE: VERT. 1"=100'
 HORIZ. 1"=100'
 DATE 11/17/2004

DRAWN BY 100T
 CHECKED BY 100T

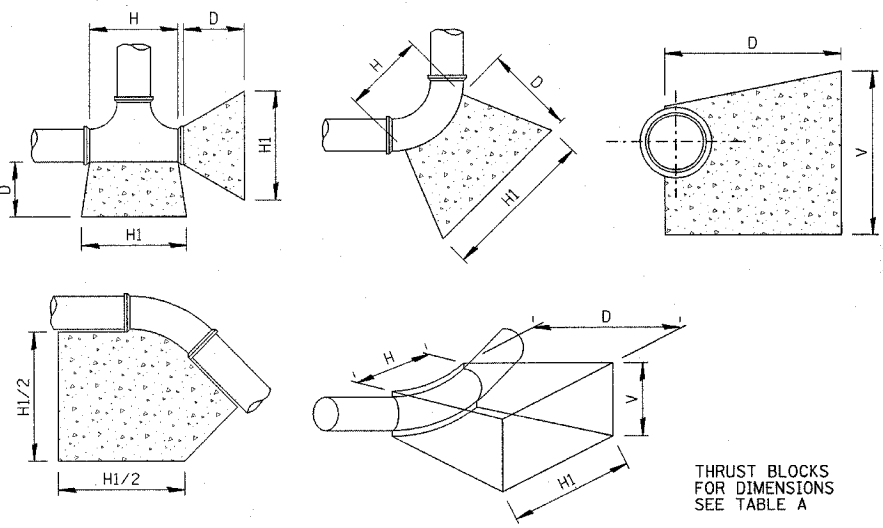
SEE NOTE 1 AND 2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	177
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



- NOTE:**
1. OMIT GRANULAR CRADLE FOR PROPOSED WATERMAIN.
 2. PLACE 1.0' OF CLASS IV MATERIAL (PER STANDARD WATER AND SEWER SPECIFICATIONS) OVER THE LENGTH OF THE CASING PIPE AND COMPACT TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
 3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
 4. PROVIDE 4" MINIMUM OF CA-6 BEDDING FOR PROPOSED PIPE CASING.

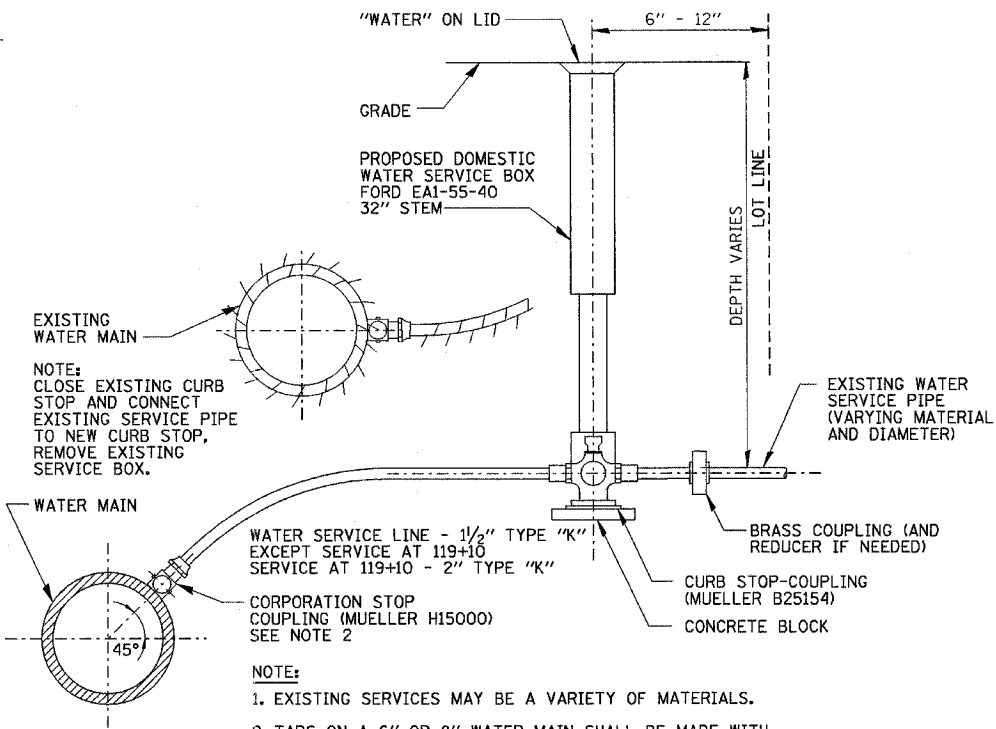
PROPOSED WATERMAIN BELOW EXISTING SEWER
N.T.S.



SIZE OF PIPE	TAPPING TEES, SLEEVES AND PLUGS					90° BENDS					45° BENDS OR LESS				
	H1	H	V	D	C. FT.	H1	H	V	D	C. FT.	H1	H	V	D	C. FT.
12"	54"	30"	24"	24"	13.40	54"	32"	36"	36"	18.15	42"	18"	24"	24"	9.60
8"	36"	18"	18"	18"	5.05	39"	18"	24"	18"	7.50	30"	11"	18"	18"	3.95
6"	24"	16"	18"	18"	3.50	30"	16"	18"	18"	4.05	24"	10"	16"	18"	3.20
4"	20"	13"	15"	15"	2.15	24"	12"	13"	13"	1.75	20"	8"	12"	12"	1.20

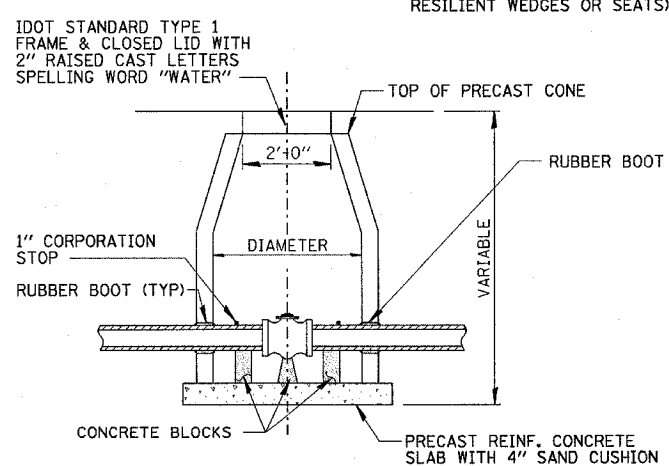
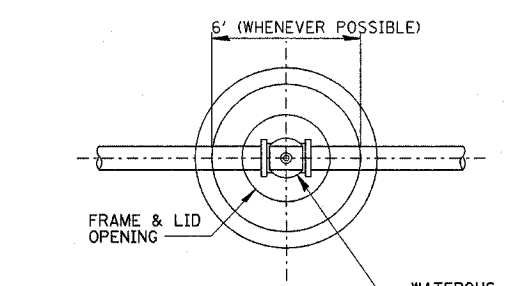
WATERMAIN THRUST BLOCKING - TABLE A
N.T.S.

NOTE: THRUST BLOCKING TO BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, CAPS, VALVES, HYDRANTS AND AT LOCATIONS DIRECTED BY ENGINEER. THRUST BLOCK TO BE PRE-CAST PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIR. ALL ENDS OD 1 1/4" OR MORE, ALL TEES AND ALL PLUGS SHALL BE PROTECTED AS SHOWN. WHERE CONDITIONS PREVENT THE USE OF CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OF A TYPE APPROVED BY THE ENGINEER MAY BE USED.

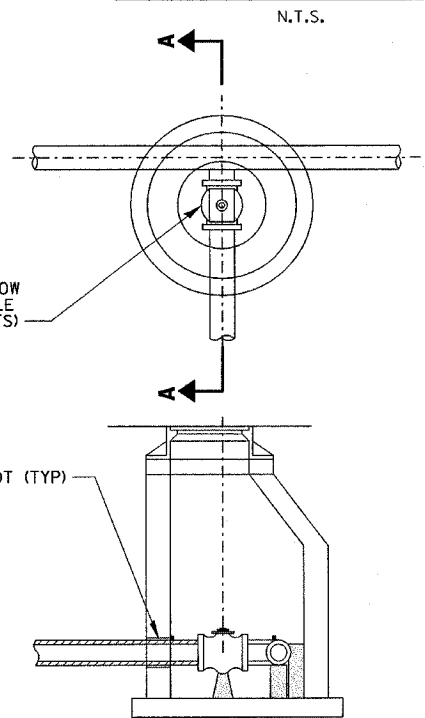


- NOTE:**
1. EXISTING SERVICES MAY BE A VARIETY OF MATERIALS.
 2. TAPS ON A 6" OR 8" WATER MAIN SHALL BE MADE WITH A 8"x15" STAINLESS STEEL FULL CIRCLE SLEEVE WITH TAP TO BE APPROVED BY THE VILLAGE. ALL WATER SERVICE CONNECTIONS TO THE PROPOSED 12" WATER MAIN SHALL BE DIRECT TAP".

TYPICAL WATER SERVICE CONNECTION
N.T.S.



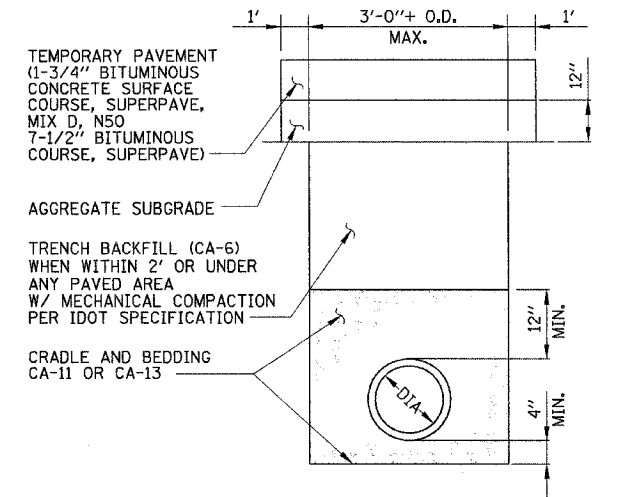
TYPICAL IN-LINE VALVE



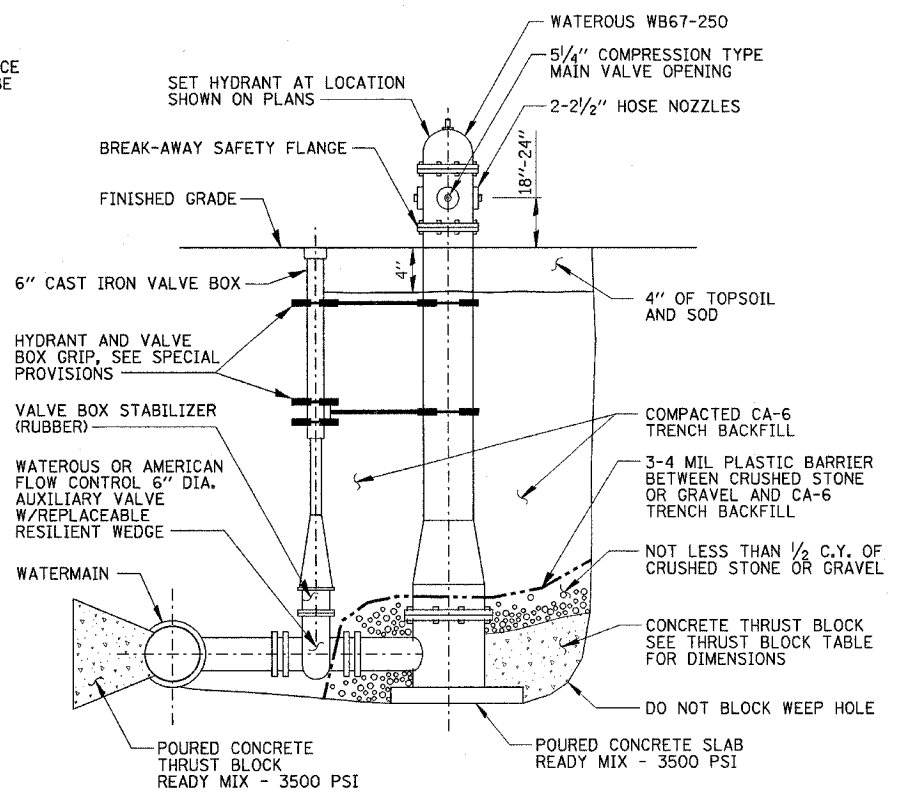
TYPICAL PRESSURE CONNECTION OR LATERAL VALVE - SECTION A-A
N.T.S.

VALVE VAULT, TYPE "A"
N.T.S.

NOTE: THE CONTRACT UNIT PRICE FOR VALVE VAULTS TYPE A SHALL INCLUDE THE FRAME AND CLOSED LID, AND COMPACTED TRENCH BACKFILL. PRECAST REINFORCED CONCRETE RISERS ARE TO BE LAID IN MASTIC JOINTS WITH FLUSH JOINTS, FURNISHING AND INSTALLING SAND CUSHION TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VALVE VAULT, TYPE A (IDOT STD 602501).



TYPICAL TRENCH DETAIL - WATERMAIN
N.T.S.



- NOTE:**
1. HEIGHT FROM FINISHED GRADE TO WATERMAIN ELEVATION VARIES.
 2. CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M17.

FIRE HYDRANT
N.T.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
MAPLE AVENUE / CHICAGO AVENUE

SCALE: NONE
DATE: 22-NOV-2004
DRAWN BY: E.D.
CHECKED BY: C.L.

Illinois Firm Registration No. 04-00533

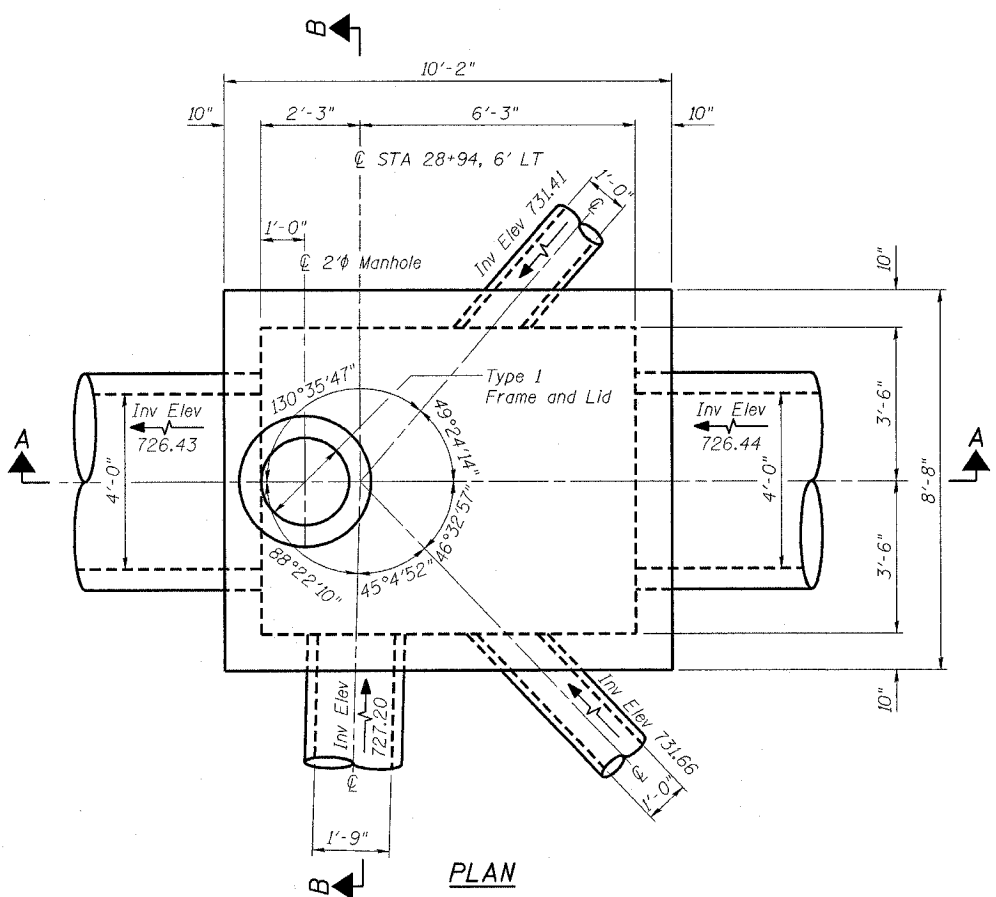
Stanley Consultants Inc.
850 West Higgins Road, Suite 130
Chicago, Illinois 60630-2801
www.stanleygrp.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

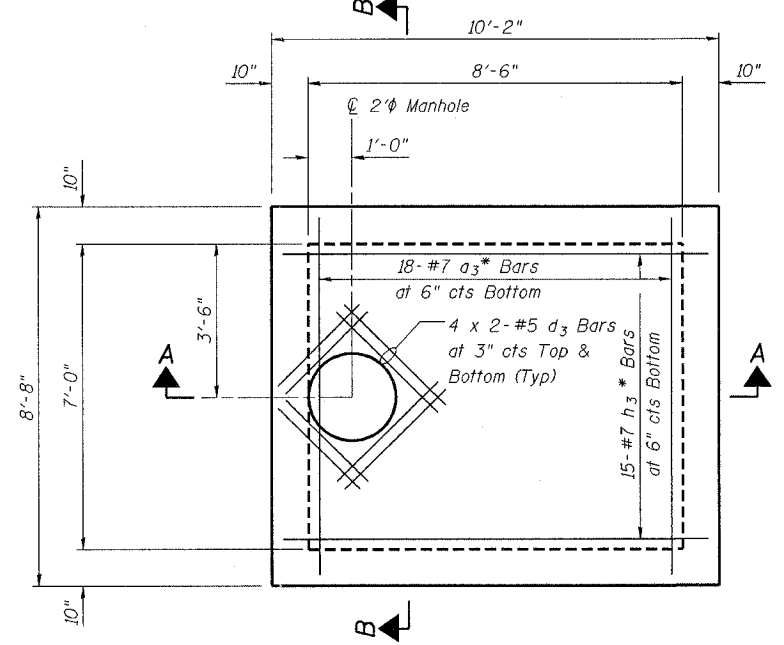
ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
1487	66R	DUPAGE	4/2	178
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 62376				

BILL OF MATERIAL

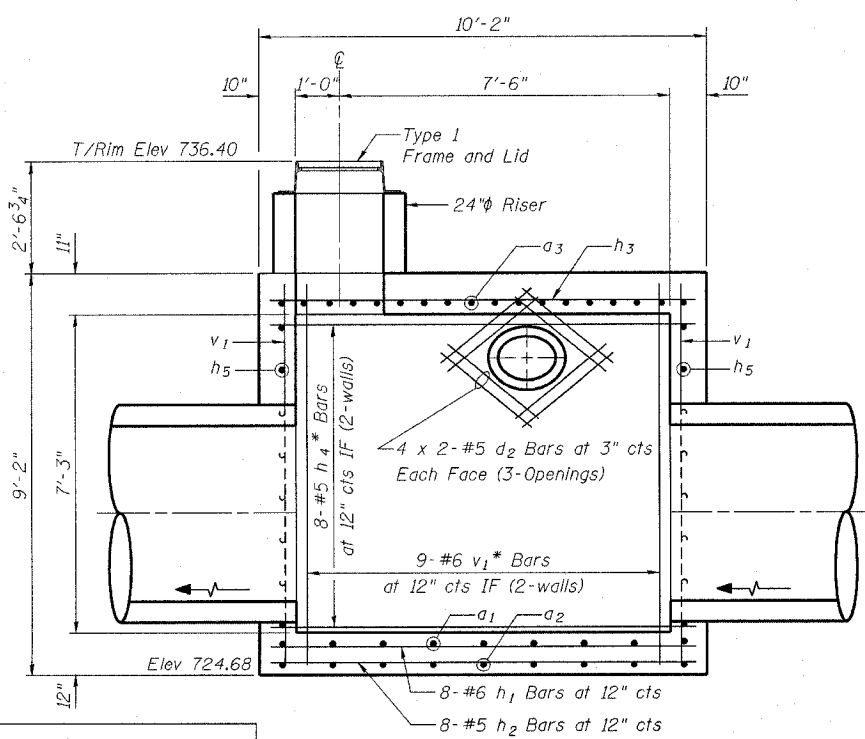
Bar	No.	Size	Length	Shape
a ₁	9	#6	9'-9"	U
a ₂	9	#5	8'-5"	U
a ₃	18	#7	10'-1"	U
h ₁	8	#6	9'-11"	—
h ₂	8	#5	9'-11"	—
h ₃	15	#7	9'-11"	—
h ₄	16	#5	9'-11"	—
h ₅	16	#5	8'-5"	—
v ₁	48	#6	8'-10"	—
d ₁	32	#5	7'-0"	—
d ₂	48	#5	4'-3"	—
d ₃	16	#5	4'-0"	—
Concrete Structures			Cu yd	12.5
Reinforcement Bars			Lbs	2,550



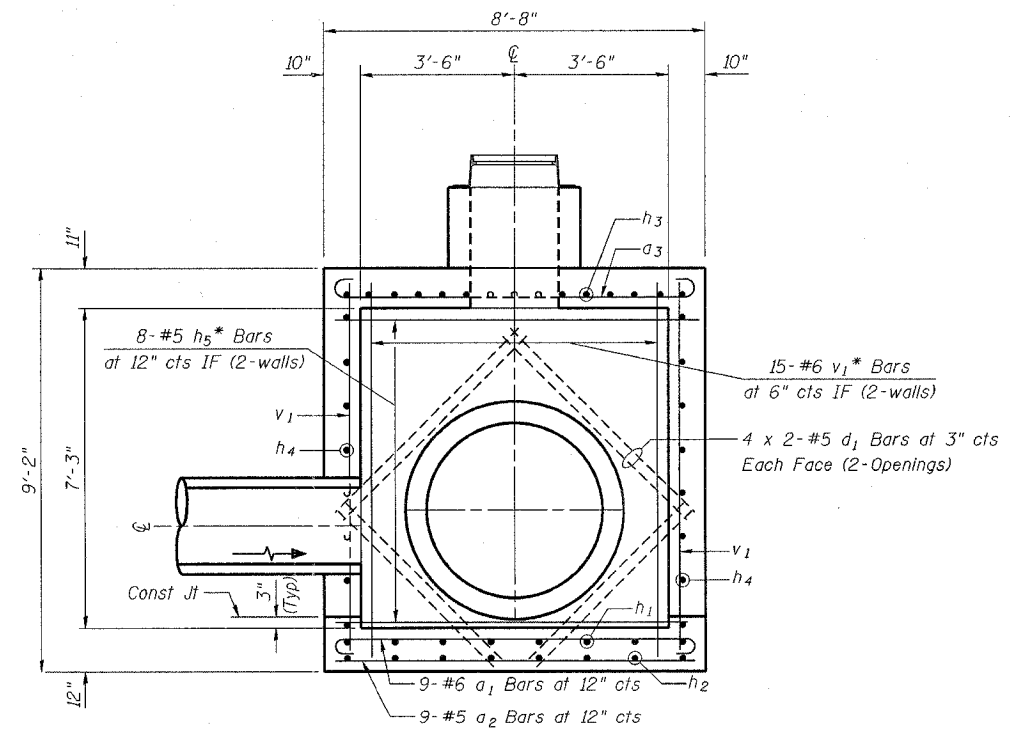
PLAN



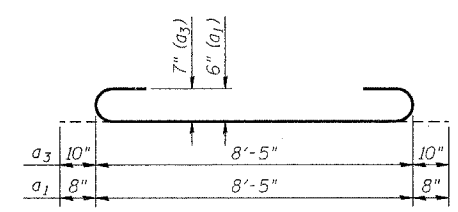
TOP SLAB PLAN



SECTION A-A



SECTION B-B



BAR a₁ & a₃

Notes:

- See Drainage & Utility drawings for location and culvert sizes.
 - Fillet Concrete in the bottom of Junction Chamber shall be provided for positive drainage as directed by the Engineer. Cost of the Fillet Concrete is included in the cost of Junction Chamber No. 6.
- * Cut bars at opening as required.

DESIGNED	BG
CHECKED	NLV
DRAWN	RTT
CHECKED	DSE
DATE	NOV 30, 2004

REVISIONS	
NAME	DATE

Illinois Firm Registration No. 04-00553

850 West Higgins Road, Suite 730
Chicago, Illinois 60639-2801
www.stanleyconsultants.com

ILLINOIS DEPARTMENT OF TRANSPORTATION

JUNCTION CHAMBER NO. 6
AT STA 28 + 94.6' LT
MAPLE AVENUE / CHICAGO AVENUE
SHEET 1 OF 2

SCALE: 1/2" = 1'-0"
DATE 22-NOV-2004

DRAWN BY RTT
CHECKED BY BG

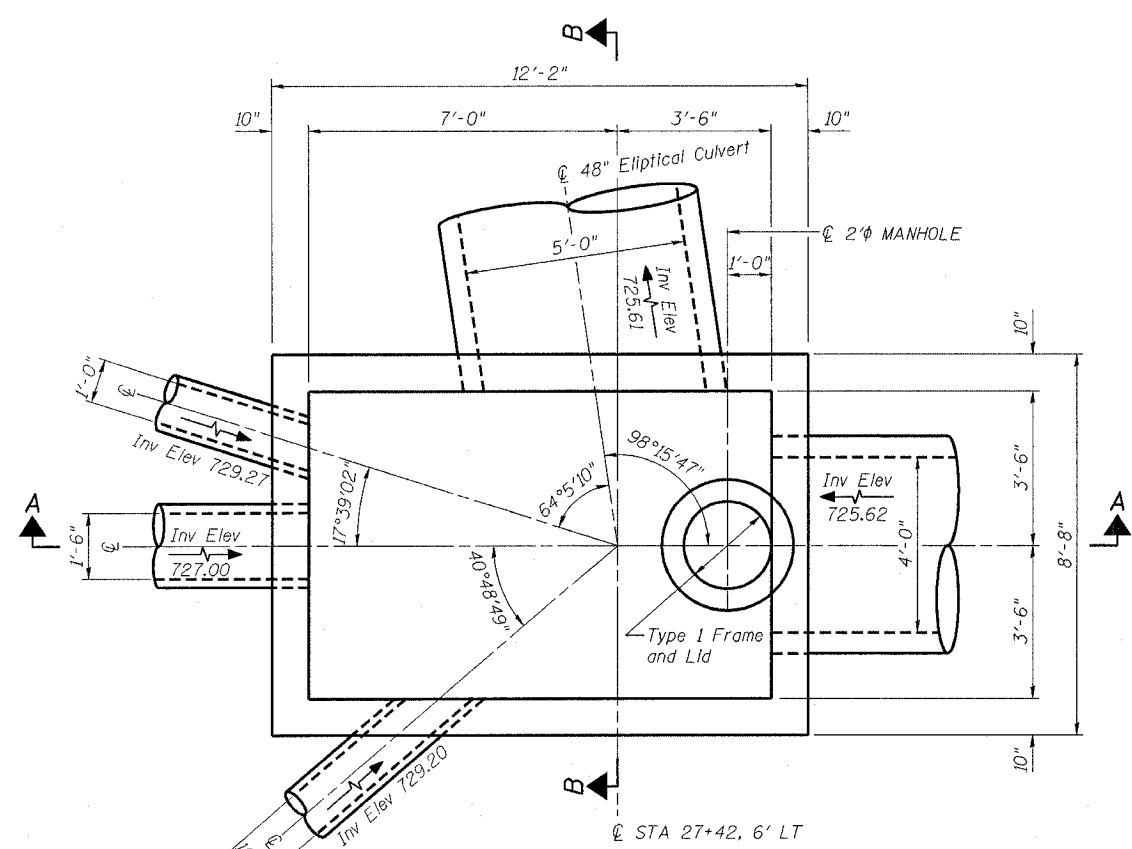
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
1487	66R	DUPAGE	4/2	179
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

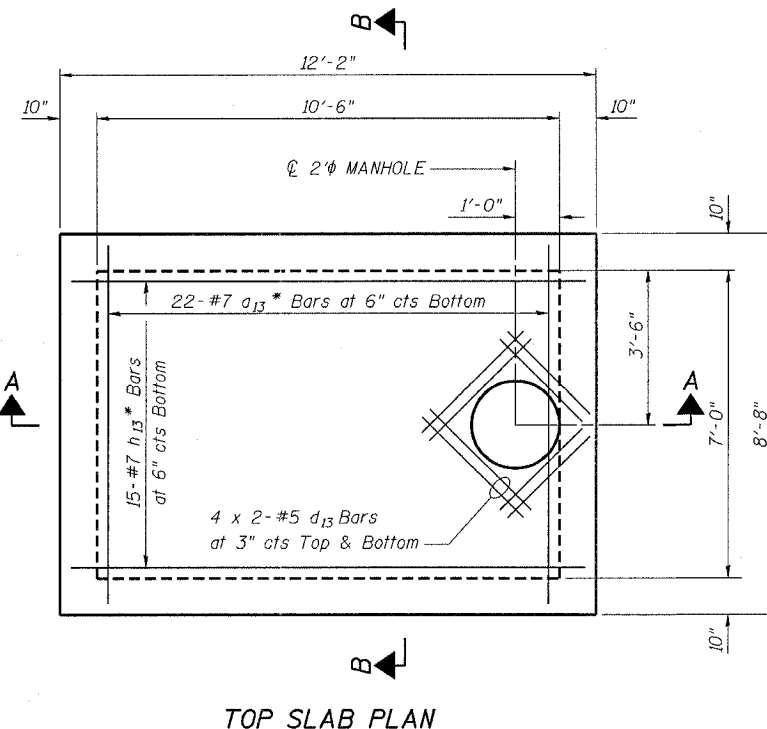
CONTRACT NO. 62376

BILL OF MATERIAL

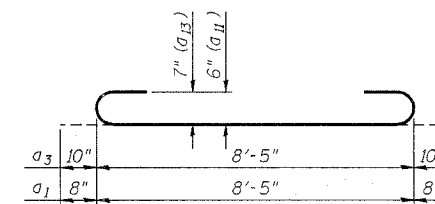
Bar	No.	Size	Length	Shape
a ₁₁	11	#6	9'-9"	
a ₁₂	11	#5	8'-5"	
a ₁₃	22	#7	10'-1"	
h ₁₁	8	#6	11'-11"	
h ₁₂	8	#5	11'-11"	
h ₁₃	15	#7	11'-11"	
h ₁₄	14	#5	11'-11"	
h ₁₅	14	#5	8'-5"	
v ₁₁	52	#6	7'-7"	
d ₁₁	32	#5	7'-0"	
d ₁₂	48	#5	3'-11"	
d ₁₃	16	#5	4'-0"	
Concrete Structures			Cu yd	13.2
Reinforcement Bars			Lbs	2,710



PLAN



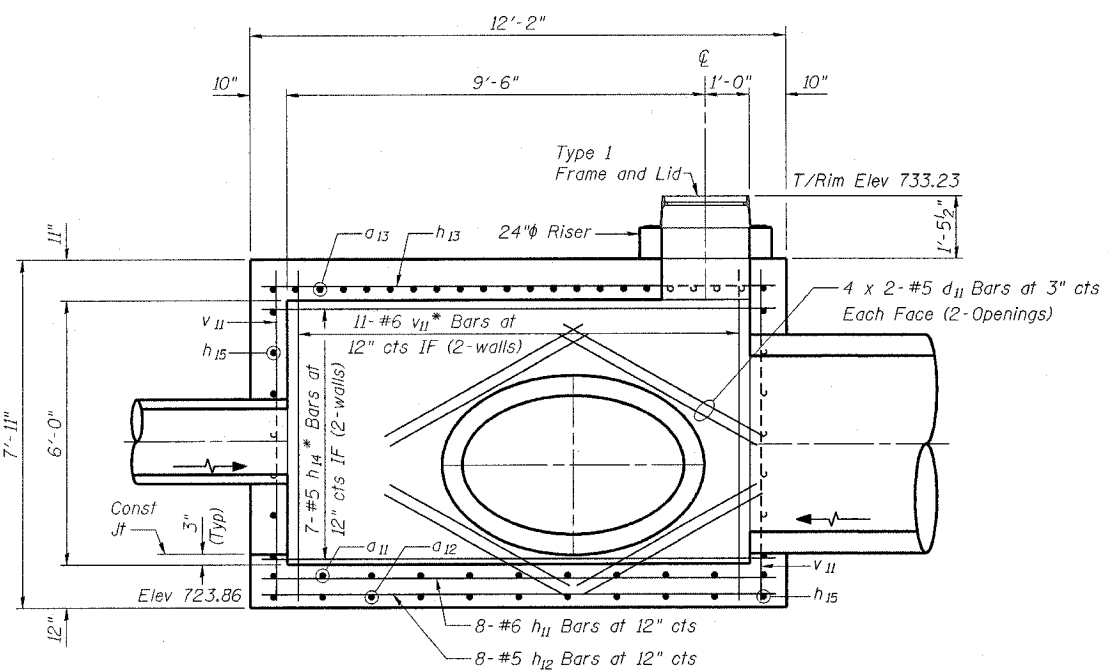
TOP SLAB PLAN



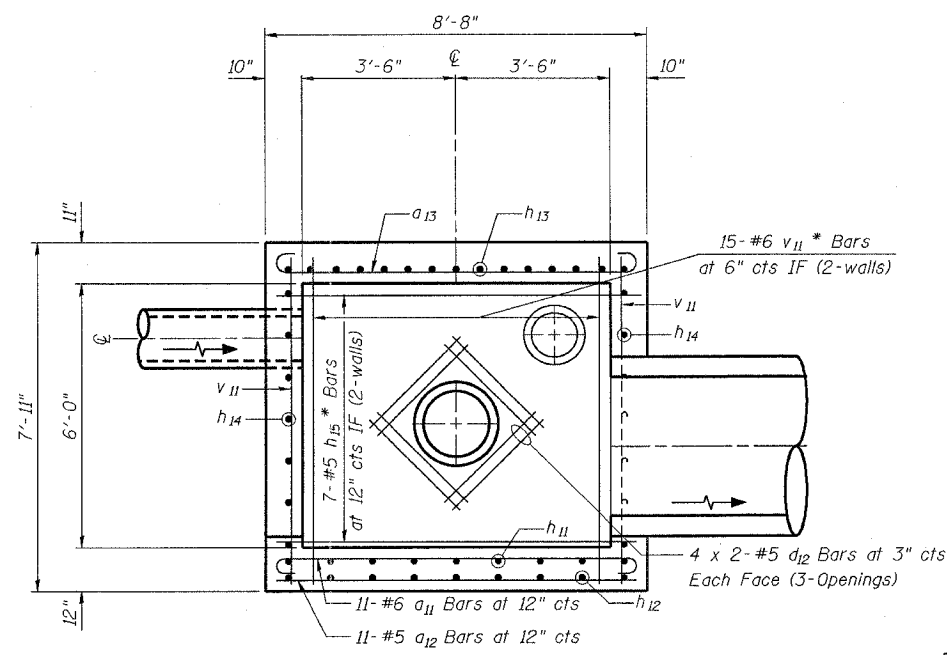
BAR a₁₁ & a₁₃

Notes:

- See Drainage & Utility drawings for location and culvert sizes.
 - Fillet Concrete in the bottom of Junction Chamber shall be provided for positive drainage as directed by the Engineer. Cost of the Fillet Concrete is included in the cost of Junction Chamber No. 9.
- * Cut bars at opening as required.



SECTION A-A



SECTION B-B

DESIGNED	BG
CHECKED	NLV
DRAWN	RTT
CHECKED	DSE
DATE	NOV 30, 2004

REVISIONS	
NAME	DATE

Illinois Firm Registration No. 04-00533

Stanley Consultants INC.
850 West Higgins Road, Suite 130
Chicago, Illinois 60638-2862
www.stanleygroup.com

ILLINOIS DEPARTMENT OF TRANSPORTATION

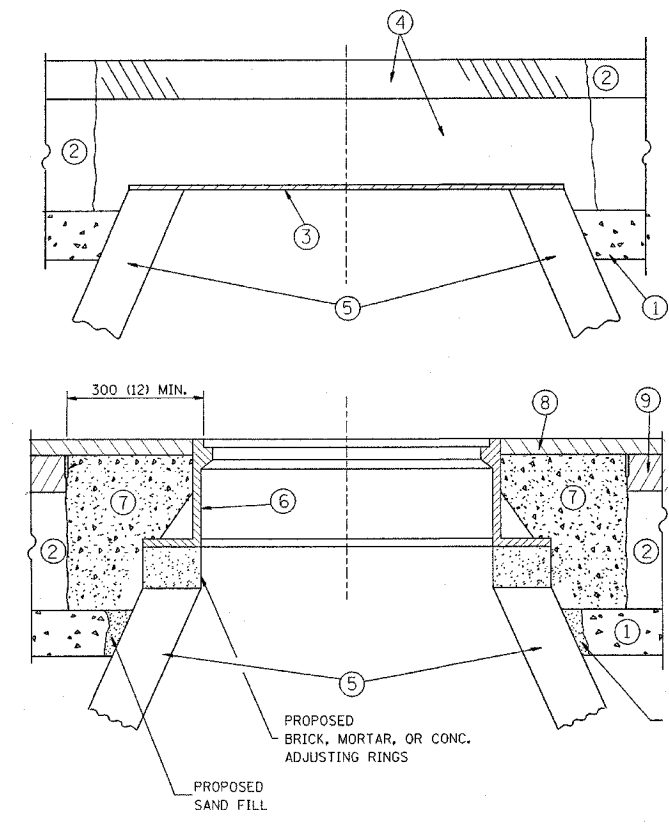
**JUNCTION CHAMBER NO. 9
AT STA 27 + 42.6' LT
MAPLE AVENUE / CHICAGO AVENUE
SHEET 2 OF 2**

SCALE: 1/2" = 1'-0"
DATE: 22-NOV-2004

DRAWN BY: RTT
CHECKED BY: BG

F. & A. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	180
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ALIGNMENT	FED. AID PROJECT		

CONTRACT NO. 62376



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE BITUMINOUS MATERIAL 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 BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL 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
- ③ 900 (36) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
- ⑧ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
- ⑨ PROPOSED BITUMINOUS CONCRETE BINDER COURSE

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 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 RECONSTRUCTION PAY ITEM.

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: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH - SEE SPECIAL PROVISIONS

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

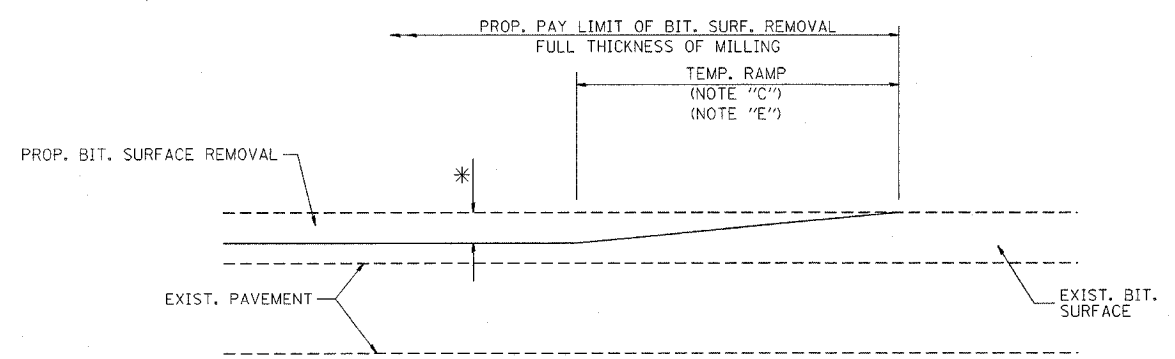
ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97

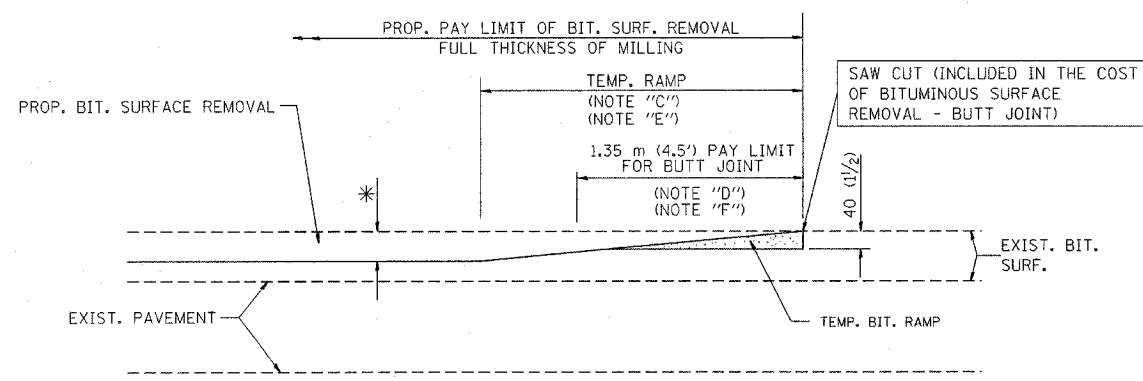
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DATE: _____
DRAWN BY: 100T
CHECKED BY: 100T

F. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				



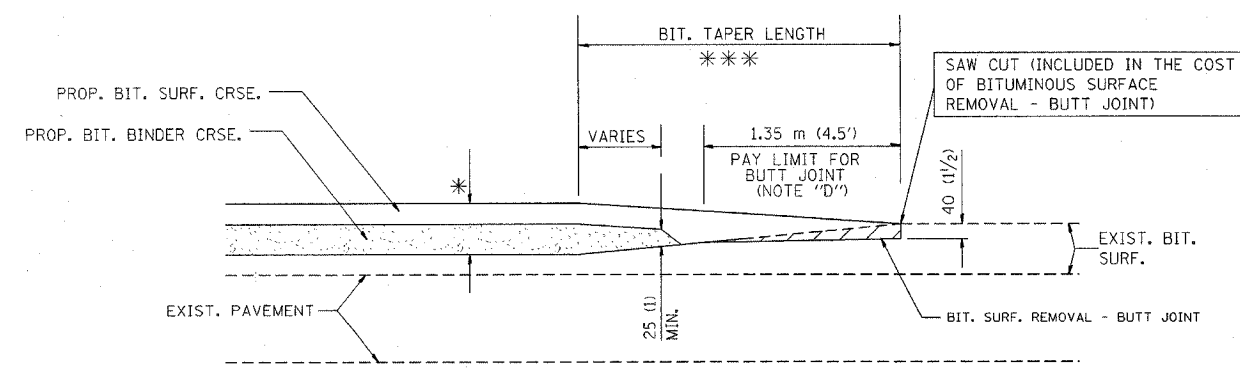
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

OPTION 1



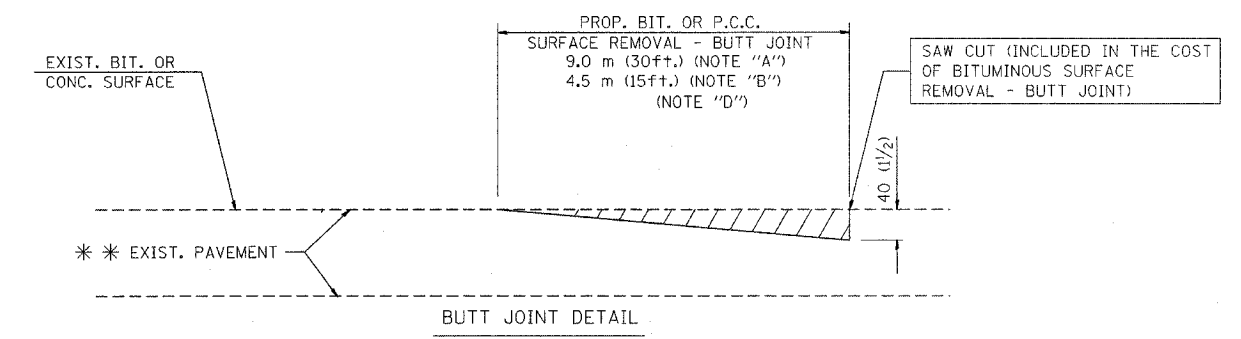
BITUMINOUS CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP

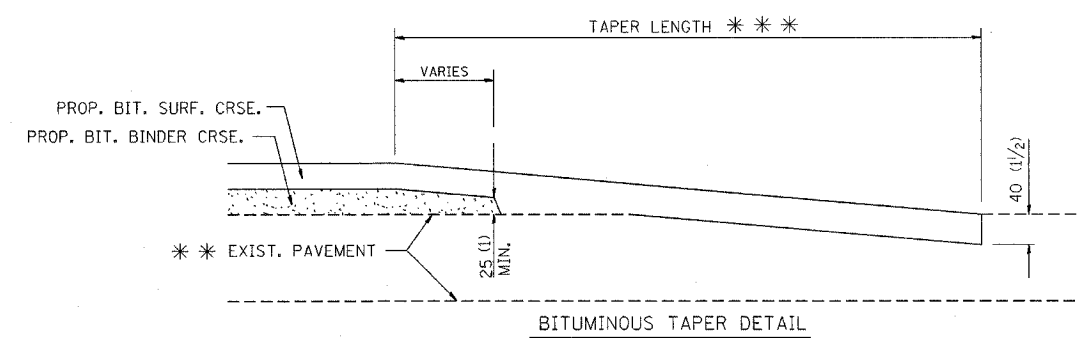


BUTT JOINT AND BITUMINOUS TAPER

TYPICAL BUTT JOINT AND BITUMINOUS TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



BITUMINOUS TAPER DETAIL

TYPICAL BUTT JOINT AND BITUMINOUS TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, BITUMINOUS OR BITUMINOUS 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 BITUMINOUS SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
- G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A")
3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "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

ILLINOIS DEPARTMENT OF TRANSPORTATION

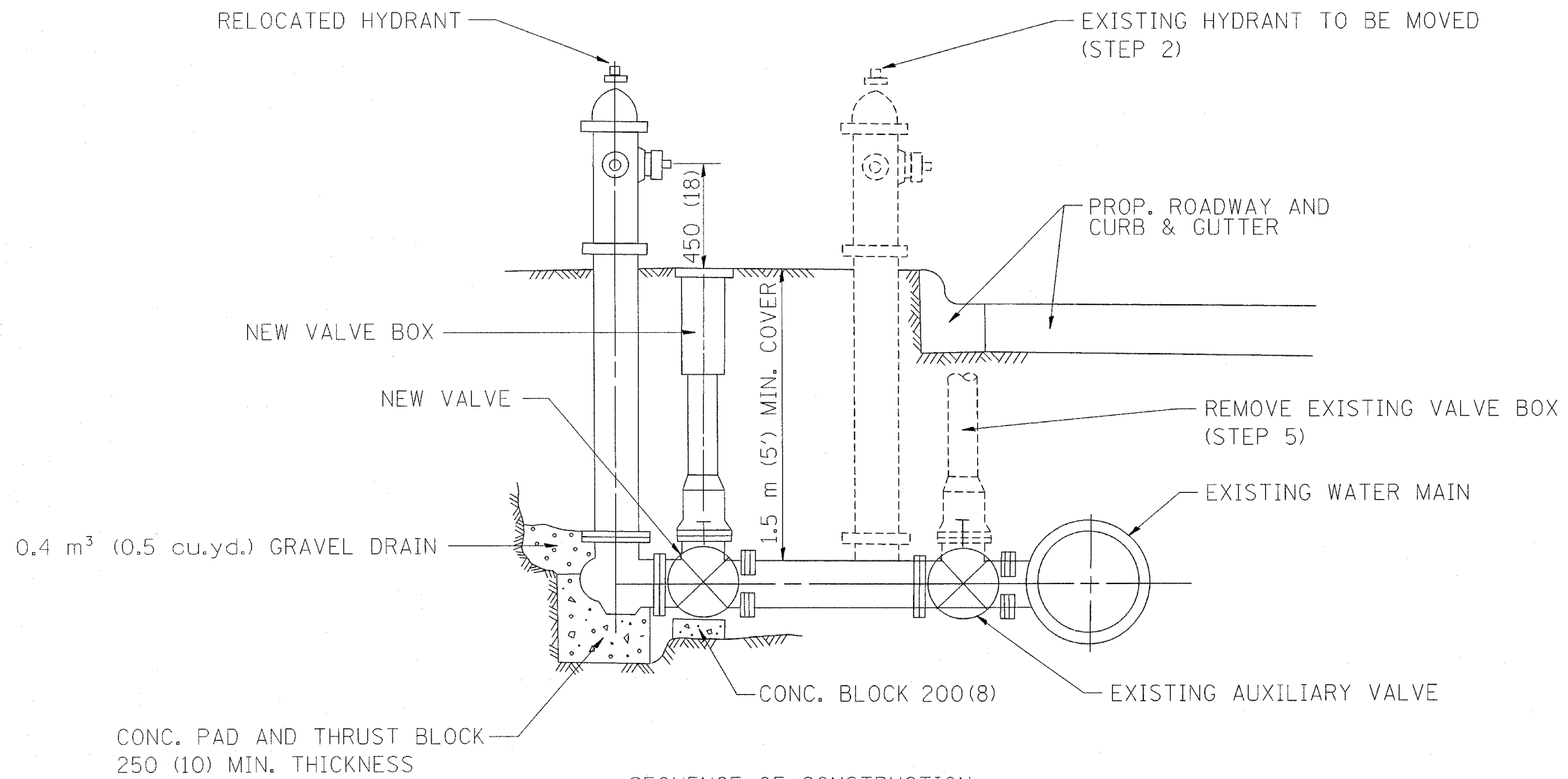
BUTT JOINT AND BITUMINOUS TAPER
DETAILS

SCALE: NONE
DATE: 2004

DRAWN BY IDOT
CHECKED BY IDOT

F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	182
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62376



- 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 MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

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

SCALE: NONE
 DATE **DATE**
 DRAWN BY 100T
 CHECKED BY 100T

GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE(3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN(10') OR LESS.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

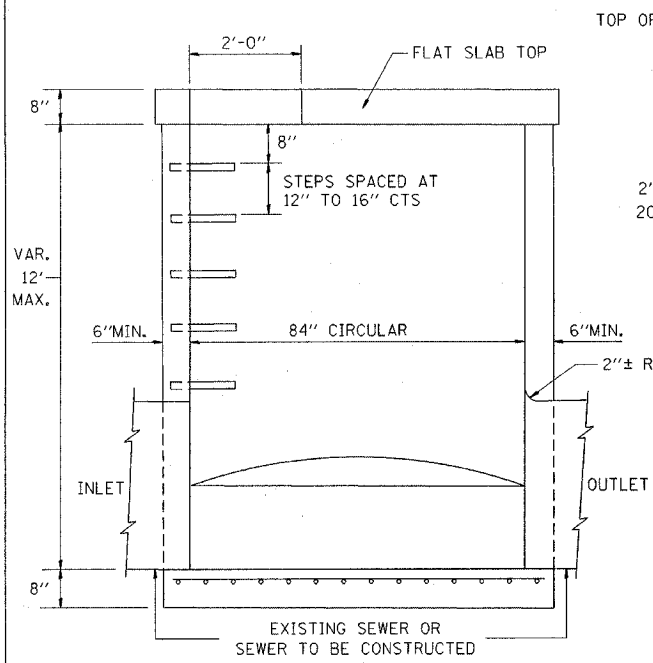
PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

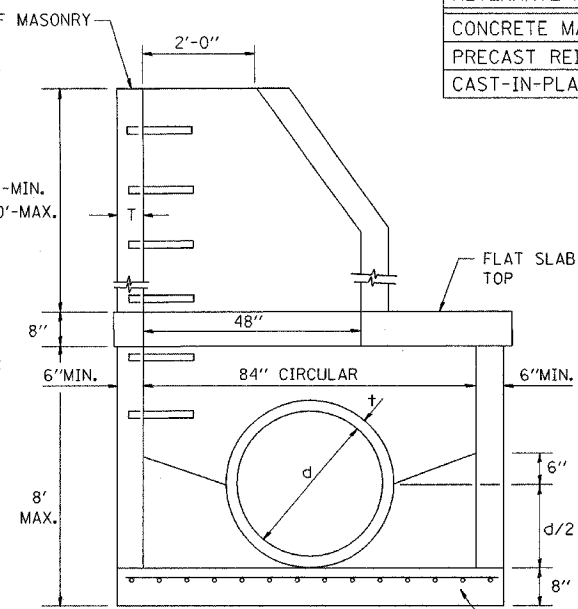
JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.

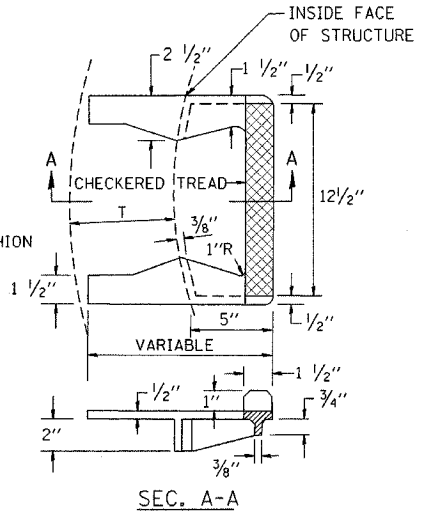
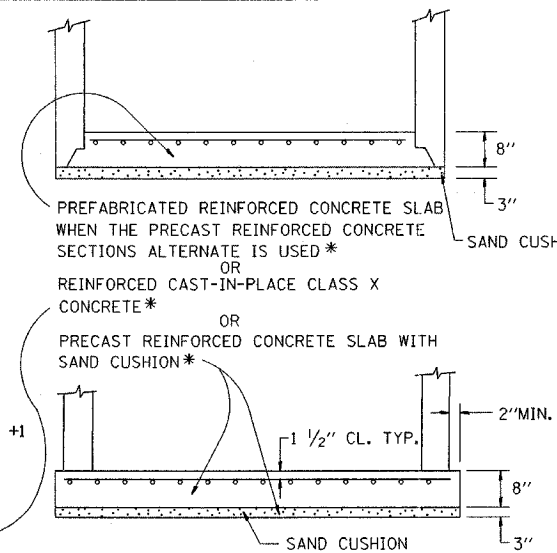
ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



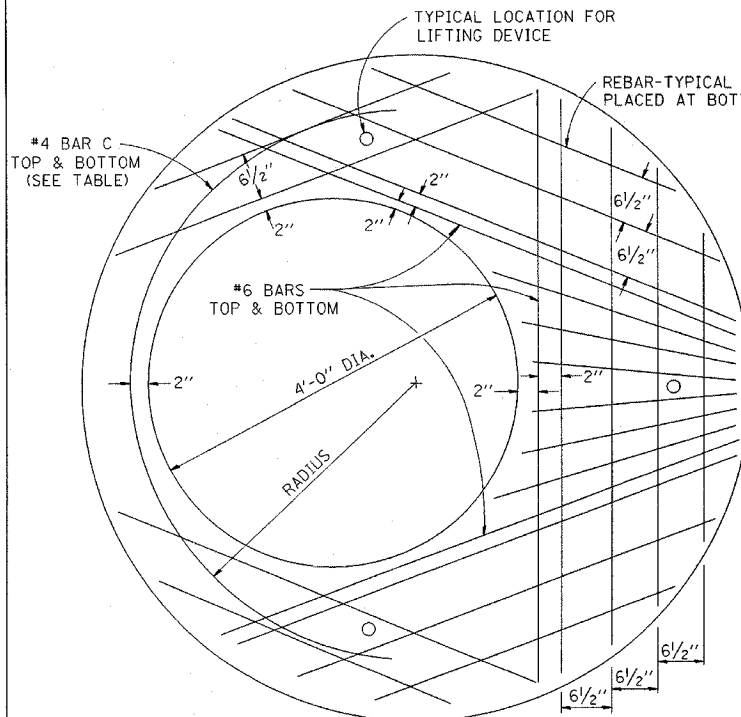
ELEVATION



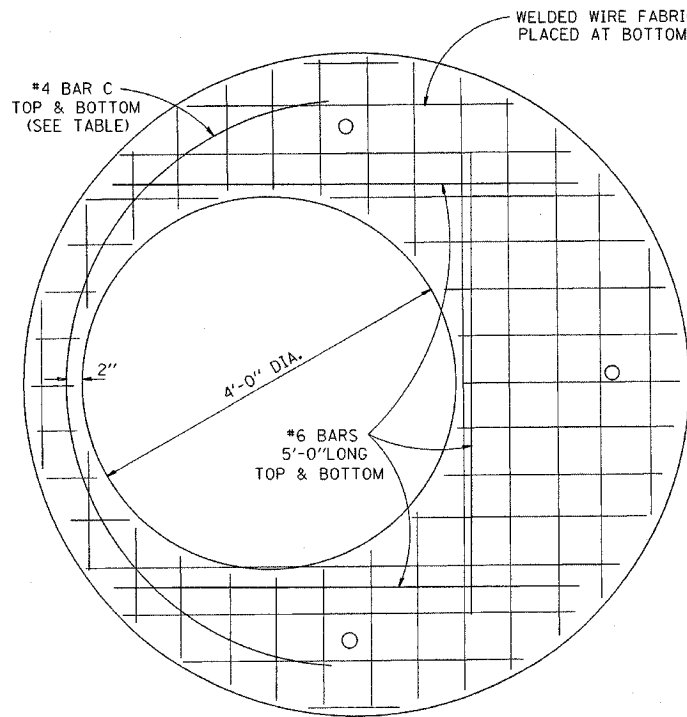
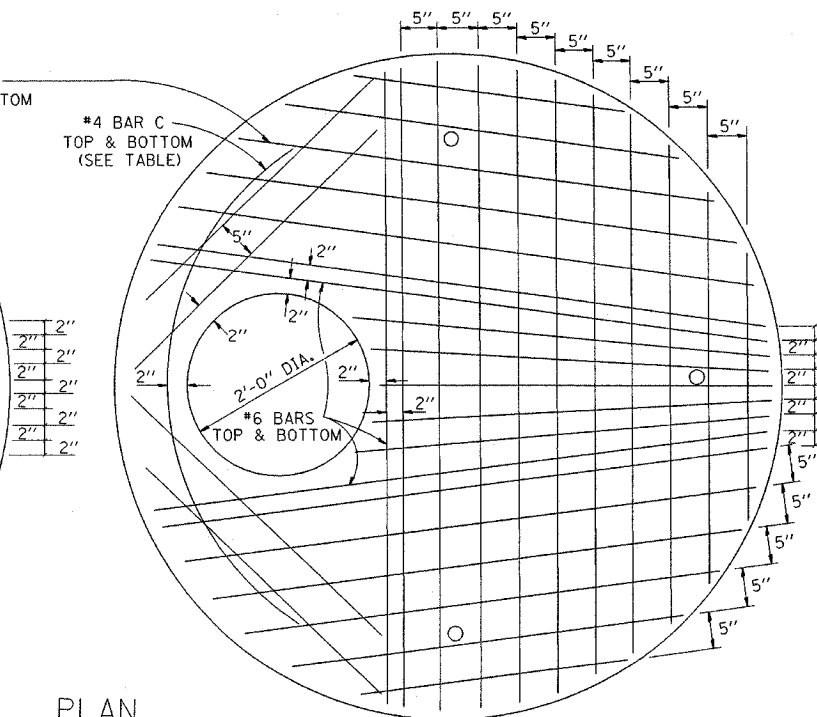
ELEVATION



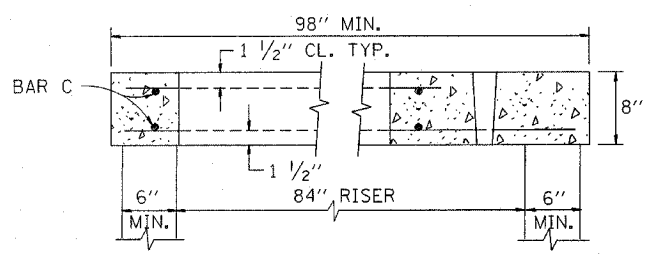
CAST IRON STEPS



PLAN
SHOWING REBAR REINFORCEMENT



PLAN
SHOWING WELDED WIRE FABRIC REINFORCEMENT



SECTION B-B

DIAMETER OF OPENING	REINFORCEMENT "A" 5' WWF EACH DIRECTION	OR BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

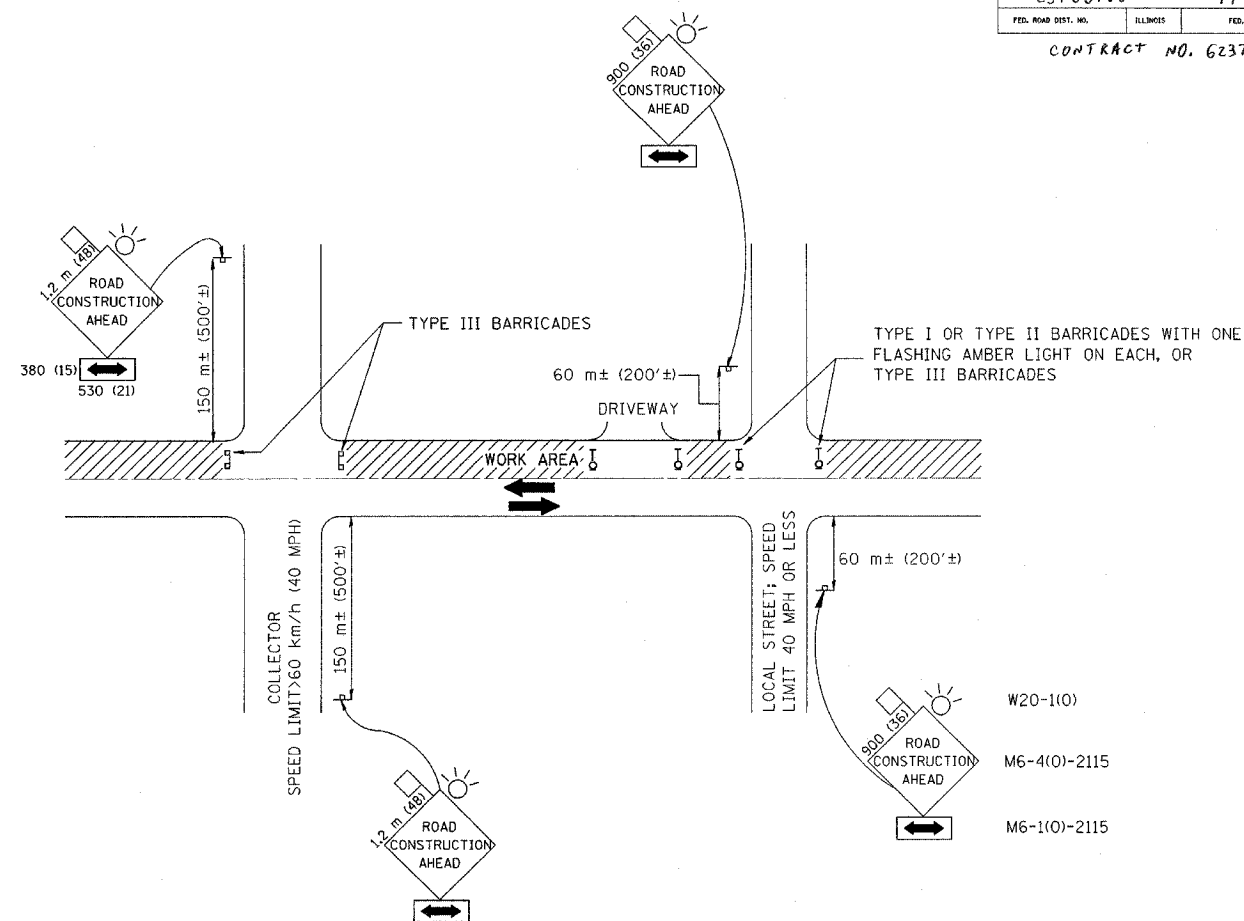
**MANHOLE TYPE A
7 FOOT DIAMETER**

SCALE: VERT. HORIZ.
DATE

DRAWN BY 100T
CHECKED BY 100T

F. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	186
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62376



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 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') 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 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') 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 INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96

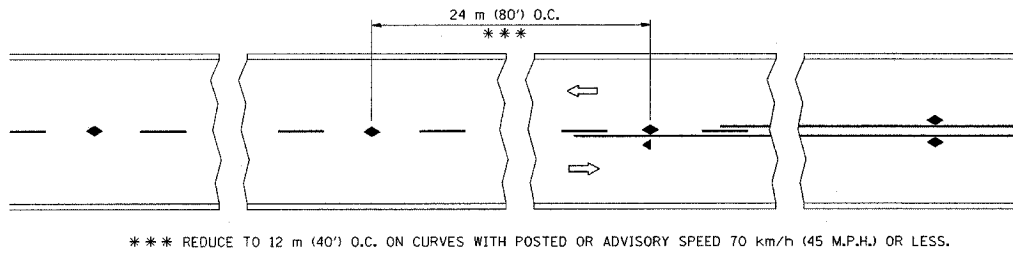
ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS**

SCALE: NONE

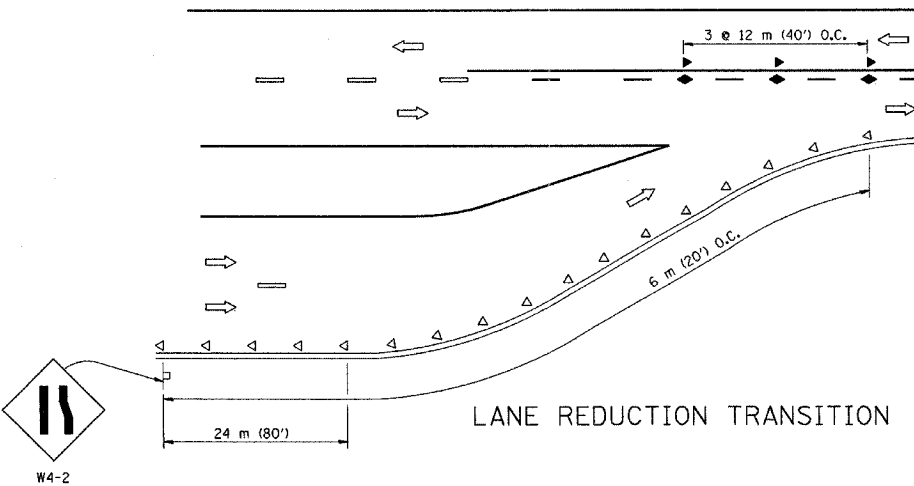
DRAWN BY 100T

DATE:

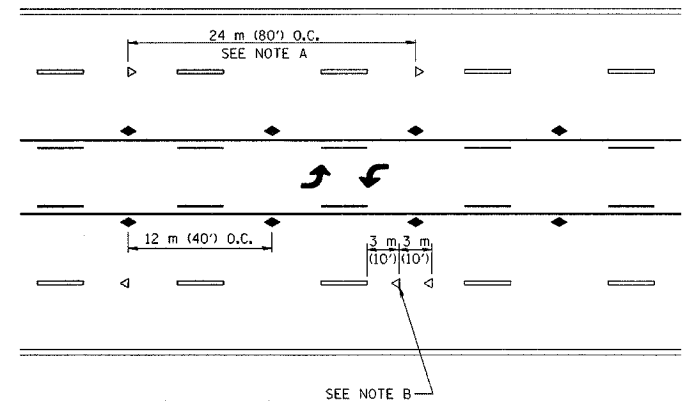
CHECKED BY 100T



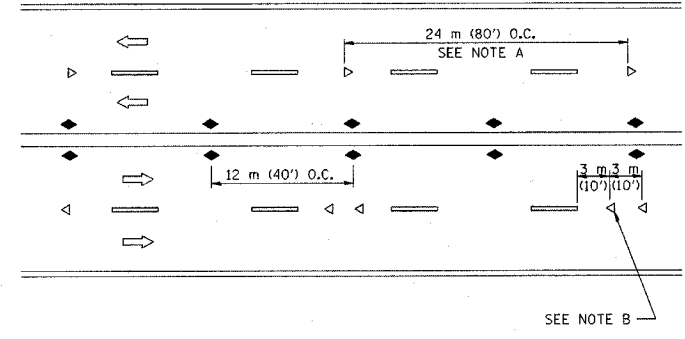
TWO-LANE/TWO-WAY



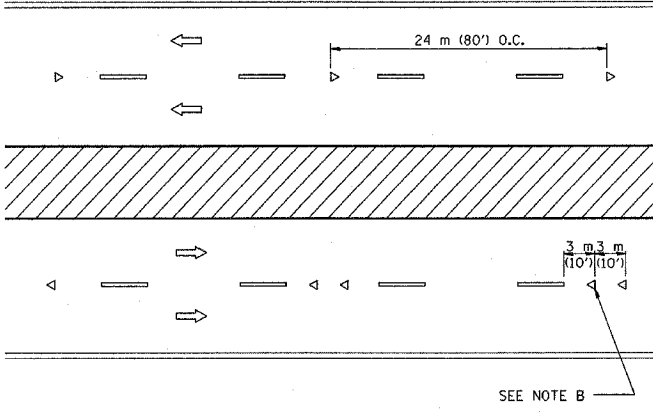
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

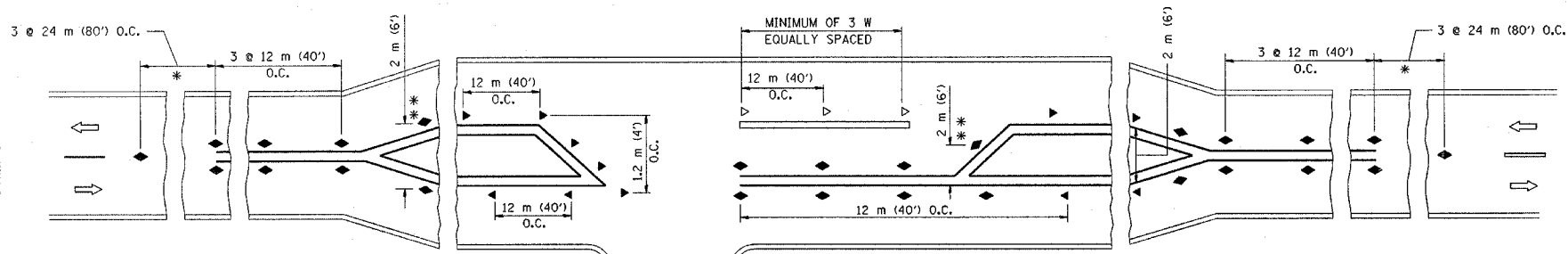
LANE MARKER NOTES

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

DESIGN NOTES

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

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



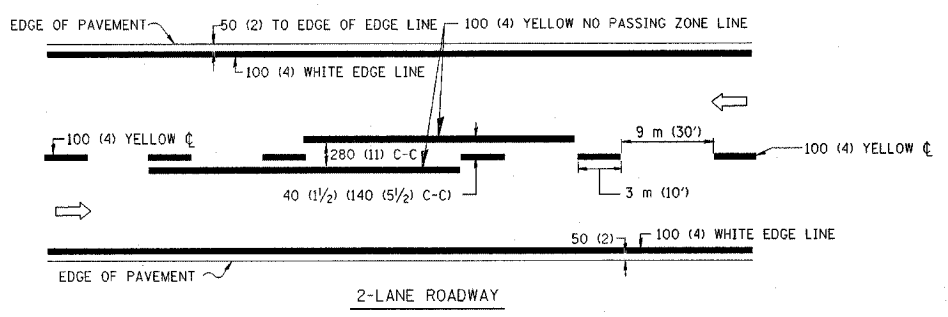
RURAL LEFT TURN

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

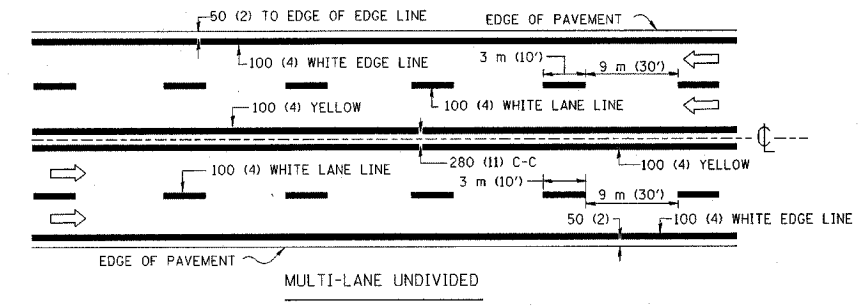
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW-PLOW RESISTANT)

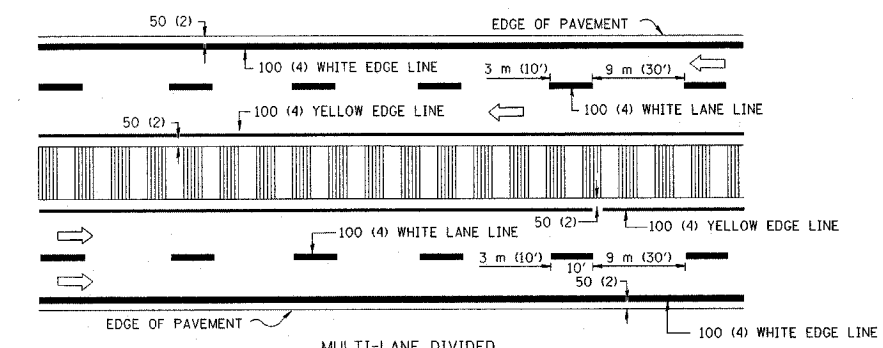
SCALE: NONE
DATE: _____
DRAWN BY CADD
CHECKED BY 100T
TC-11



2-LANE ROADWAY



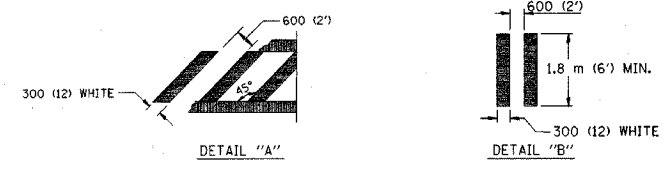
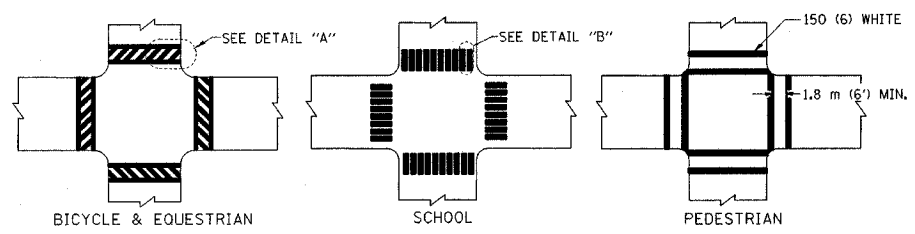
MULTI-LANE UNDIVIDED



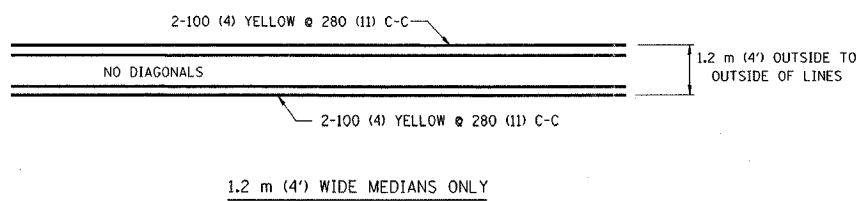
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

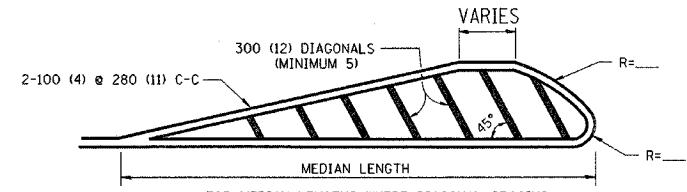
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



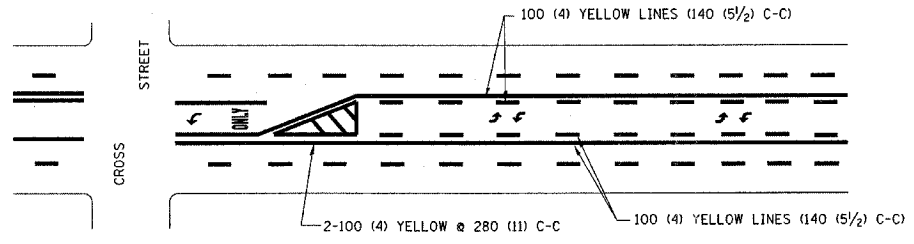
1.2 m (4') WIDE MEDIANS ONLY



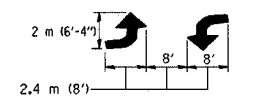
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 1.2 m (4') WIDE

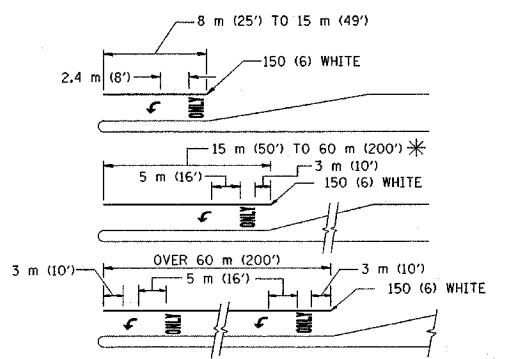


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

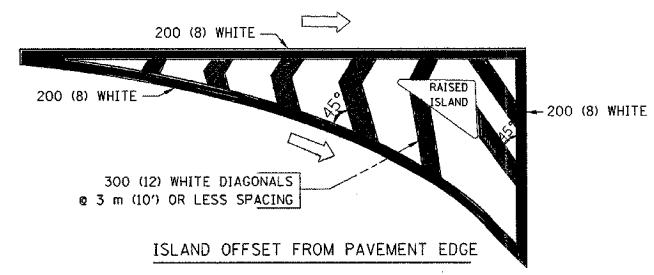


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED. AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

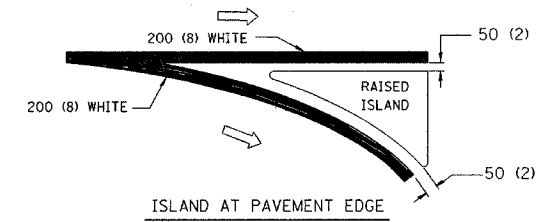
* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	100 (4)	SOLID	YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE
FOR BOTH DIRECTIONS	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4)	SKIP-DASH	WHITE	3 m (10') LINE WITH 9 m (30') SPACE
125 (5) ON FREEWAYS	125 (5)	SKIP-DASH	WHITE	
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	2.4 m (8') LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 150 (6)	SOLID	WHITE	NOT LESS THAN 1.8 m (6') APART
A. DIAGONALS (BIKE & EQUESTRIAN)	300 (12) @ 45°	SOLID	WHITE	600 (2') APART
B. LONGITUDINAL BARS (SCHOOL)	300 (12) @ 90°	SOLID	WHITE	600 (2') APART
				SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT.
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.40 m ² (4.3 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 1997 AND STATE STANDARD 780001.

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

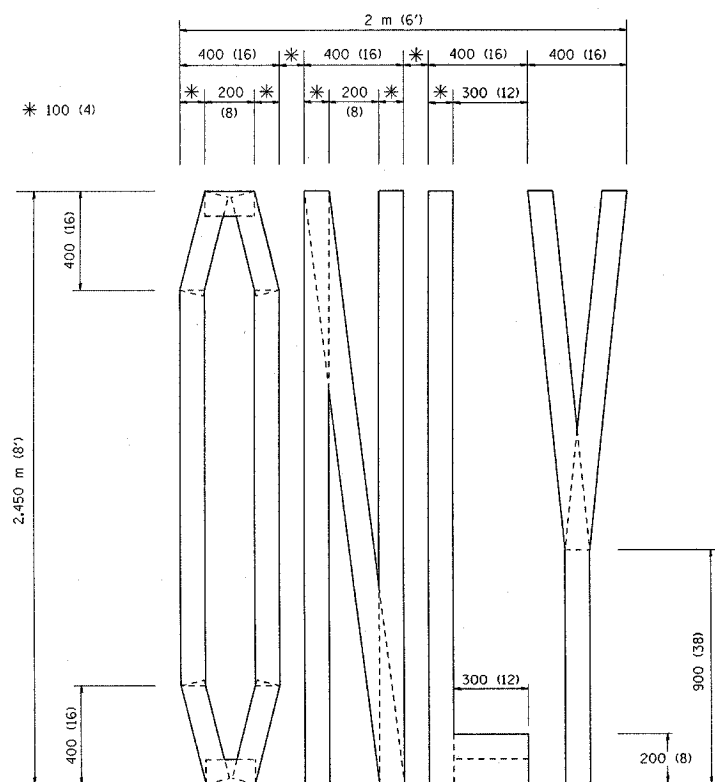
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96

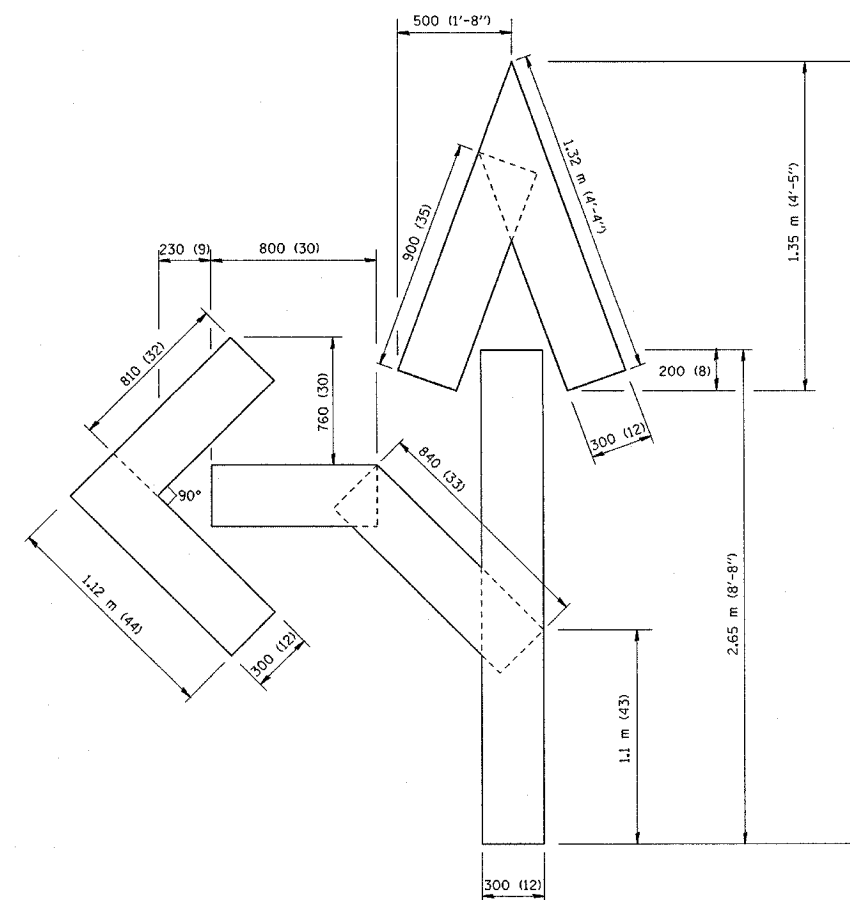
SCALE: NONE
DATE: _____
DRAWN BY: CADD
CHECKED BY: IDOT

F. & R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	188
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

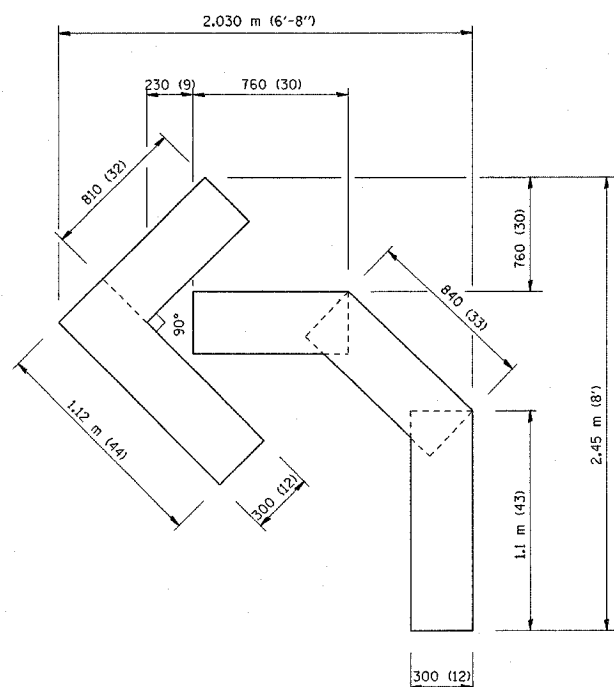
CONTRACT NO. 62376



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



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



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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

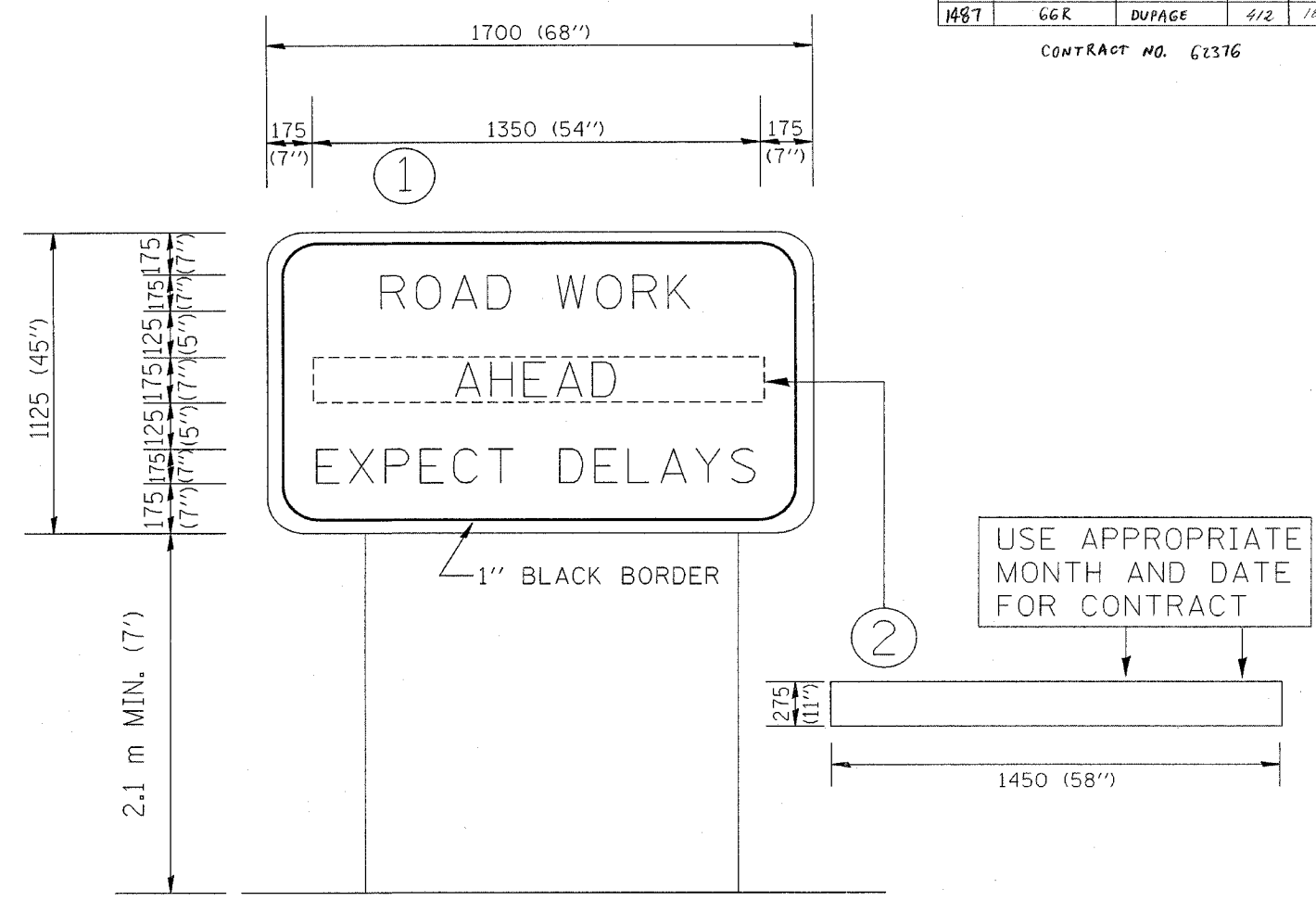
TEMPORARY PAVEMENT MARKING
LETTERS AND SYMBOLS

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

SCALE: NONE
DATE

DRAWN BY CADD
CHECKED BY JDOT

CONTRACT NO. 62376



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 EQUALS 1.9 SQ. M. (21.25 SQ. FT.)

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97

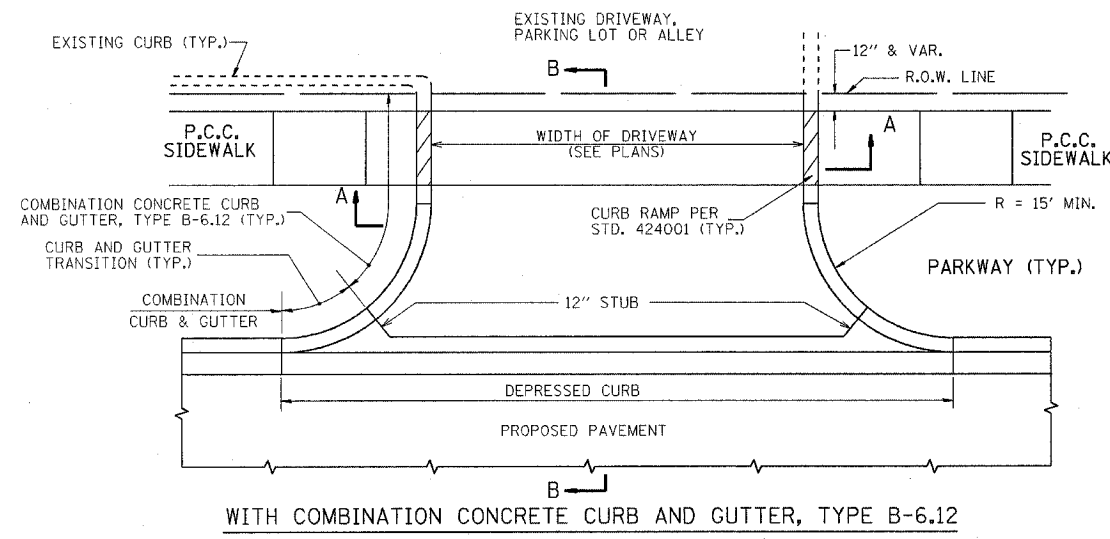
ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY INFORMATION SIGNING

##DATE##

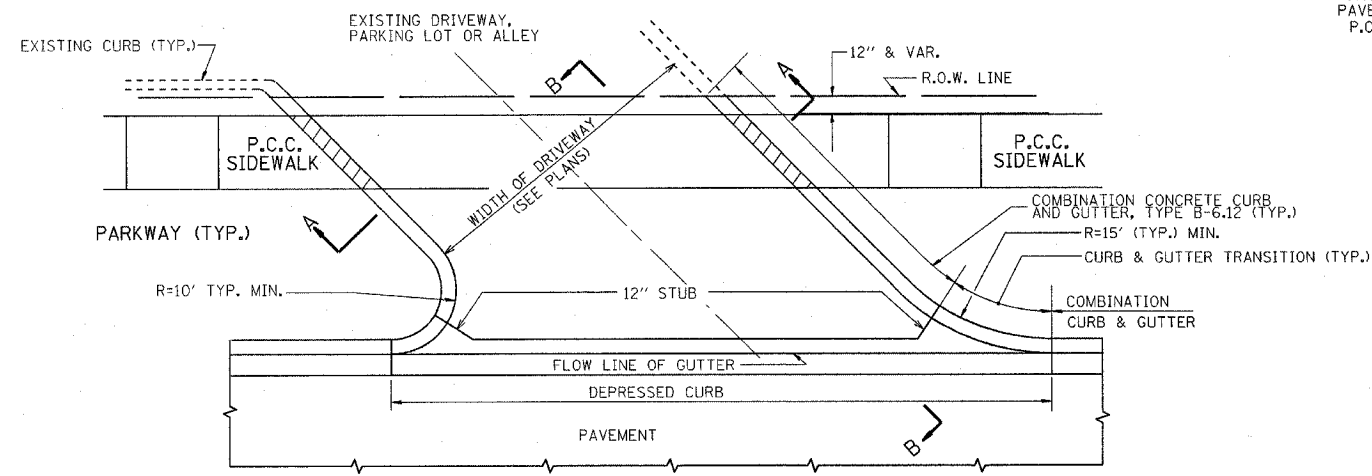
DRAWN BY: BUR. OF DESIGN
CHECKED BY: IDOT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	798
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

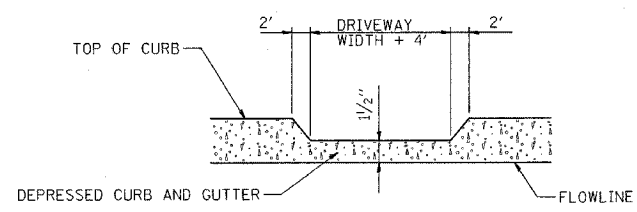
CONTRACT NO. 62376



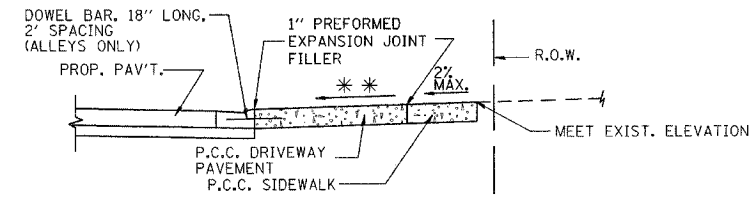
WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

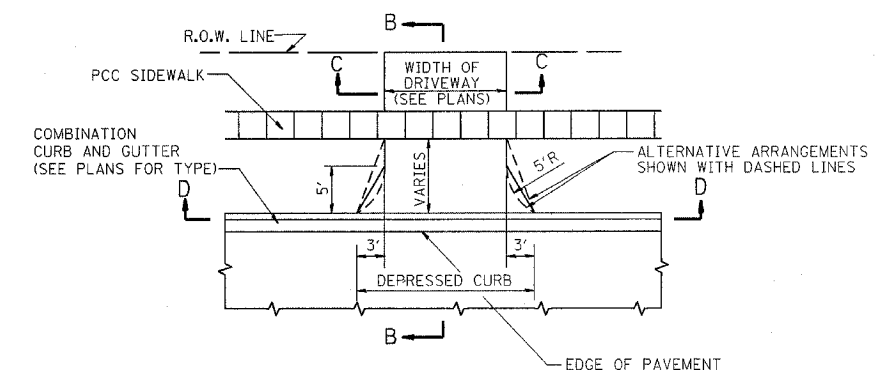


SECTION D-D



SECTION B-B

* * * SLOPE VARIES



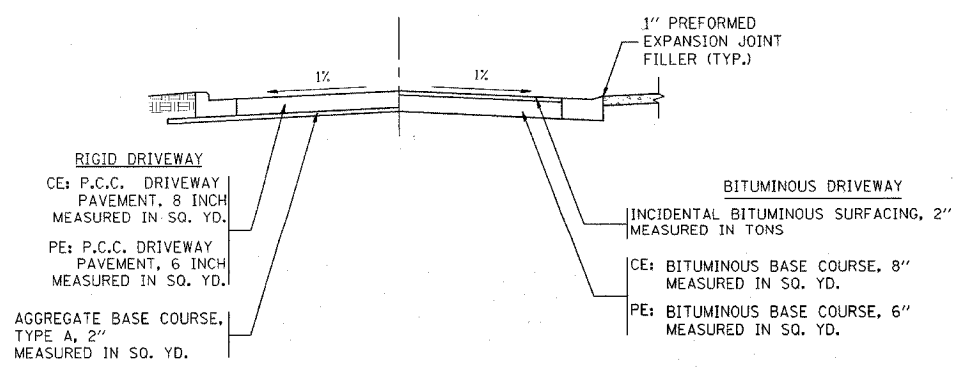
SECTION C-C

RIGID DRIVEWAY
 CE: P.C.C. DRIVEWAY PAVEMENT, 8 INCH MEASURED IN SQ. YD.
 PE: P.C.C. DRIVEWAY PAVEMENT, 6 INCH MEASURED IN SQ. YD.
 AGGREGATE BASE COURSE, TYPE A, 2" MEASURED IN SQ. YD.

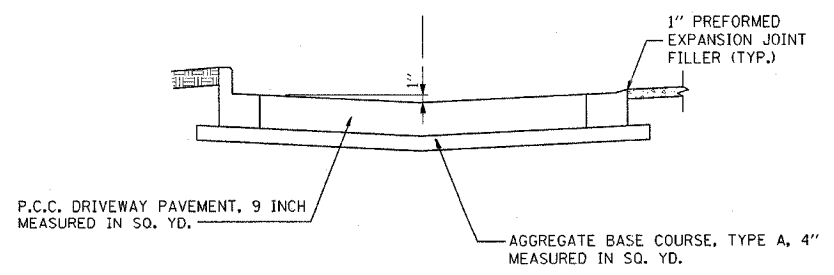
BITUMINOUS DRIVEWAY
 INCIDENTAL BITUMINOUS SURFACING, 2" MEASURED IN TONS
 CE: BIT. BASE CSE. 8" MEASURED IN SQ. YD.
 PE: BIT. BASE CSE. 6" MEASURED IN SQ. YD.

NOTES:

1. 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.
2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET OR LESS FROM THE BACK OF CURB. CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB AND GUTTER.
3. COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.
4. 1" 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.
5. 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.
6. ALL DRIVEWAY CONSTRUCTION WITHIN THE EXISTING OR PROPOSED RIGHT-OF-WAY SHALL BE PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT. CONSTRUCTION BEYOND THIS LIMIT SHALL BE CONCRETE FOR EXISTING CONCRETE DRIVEWAYS AND BITUMINOUS FOR EXISTING AGGREGATE OR BITUMINOUS DRIVEWAYS.
7. FOR CONCRETE DRIVEWAYS WIDER THAN 14', A CONTRACTION JOINT SHALL BE LOCATED ALONG THE CENTERLINE OF THE DRIVEWAY OR SPACED A MINIMUM OF 14'.
8. DOWEL BARS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR COMBINATION CONCRETE CURB AND GUTTER.



SECTION A-A
PRIVATE OR COMMERCIAL ENTRANCES



SECTION A-A
ALLEYS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

Illinois Firm Registration No. 04-00533

830 West Higgins Road, Suite 730
Chicago, Illinois 60631-3028
www.stanleygroup.com

REVISIONS	
NAME	DATE

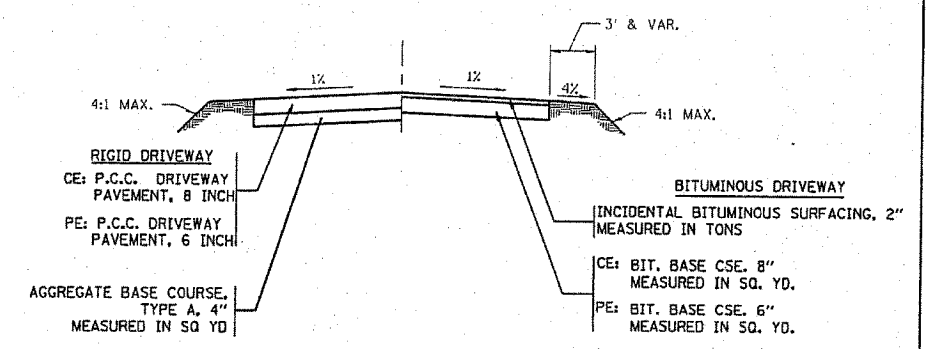
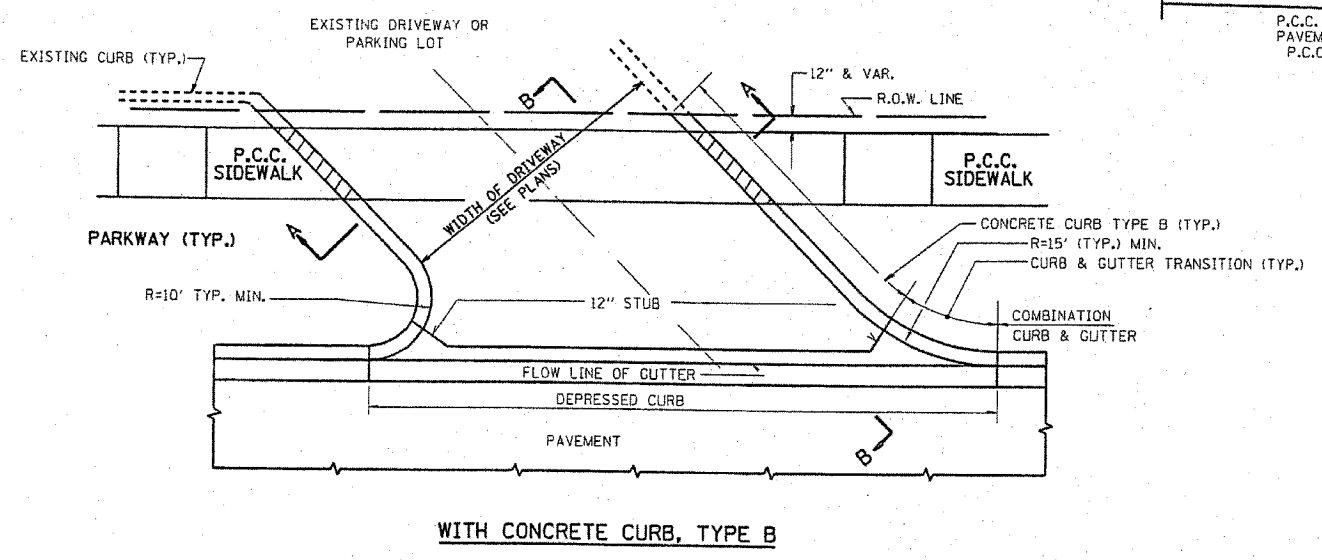
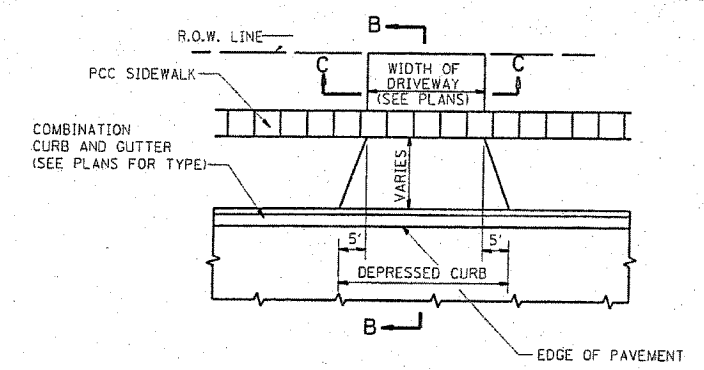
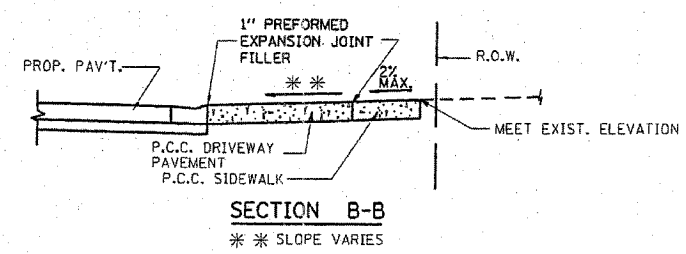
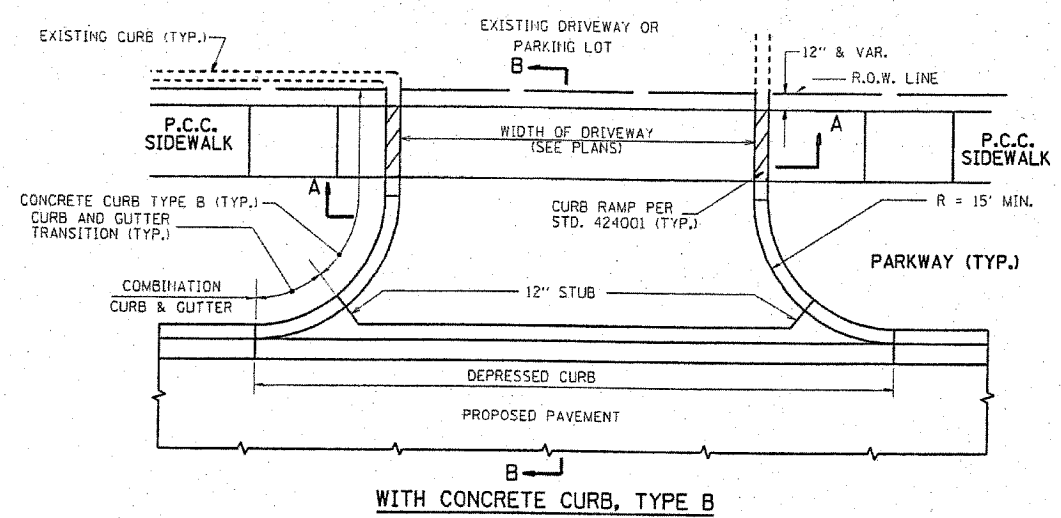
ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
VILLAGE OF WESTMONT

SCALE: NONE
DATE: 22-NOV-2004

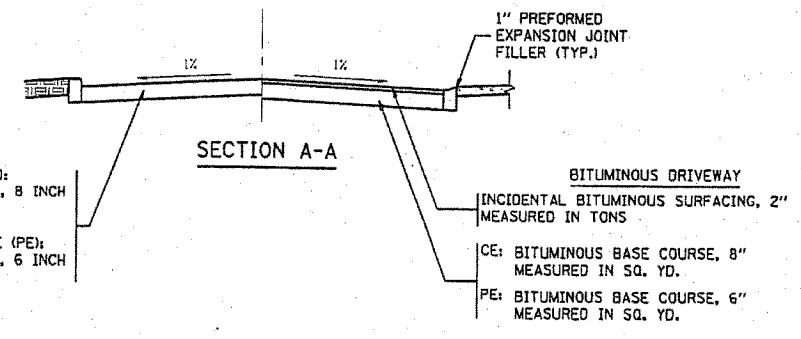
DRAWN BY: E.D.
CHECKED BY: D.G.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	191
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376				



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 OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.
- COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.
- 1" 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 DRIVEWAY CONSTRUCTION WITHIN THE EXISTING OR PROPOSED RIGHT-OF-WAY SHALL BE PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT. CONSTRUCTION BEYOND THIS LIMIT SHALL BE CONCRETE FOR EXISTING CONCRETE DRIVEWAYS AND BITUMINOUS FOR EXISTING AGGREGATE OR BITUMINOUS DRIVEWAYS.



RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT, 8 INCH
 MEASURED IN SQ. YD.
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT, 6 INCH
 MEASURED IN SQ. YD.

BITUMINOUS DRIVEWAY
 INCIDENTAL BITUMINOUS SURFACING, 2"
 MEASURED IN TONS
 CE: BITUMINOUS BASE COURSE, 8"
 MEASURED IN SQ. YD.
 PE: BITUMINOUS BASE COURSE, 6"
 MEASURED IN SQ. YD.

ALL DIMENSIONS ARE IN INCHES
 UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE

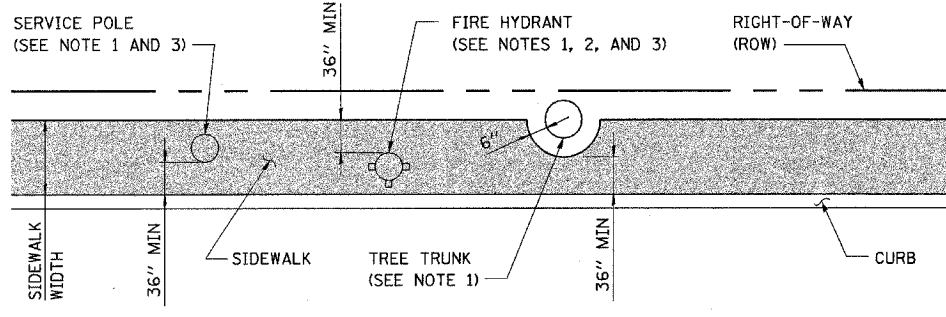
ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
 VILLAGE OF CLERENDON HILLS

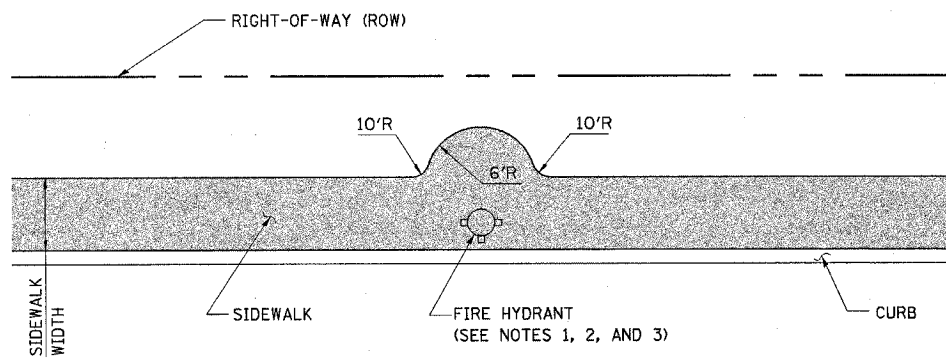
SCALE: NONE
 DATE: 27-APR-2005
 DRAWN BY: E.D.
 CHECKED BY: D.G.



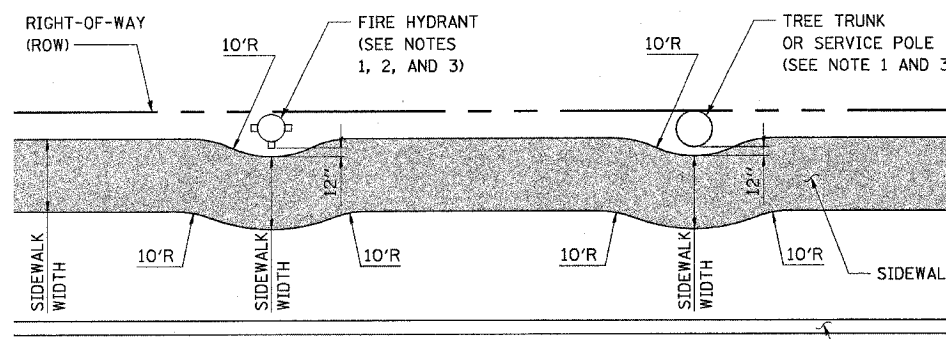
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	4/2	192
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



IMMOVABLE OBJECTS
(CURB-TYPE SIDEWALK, NARROW ROW)



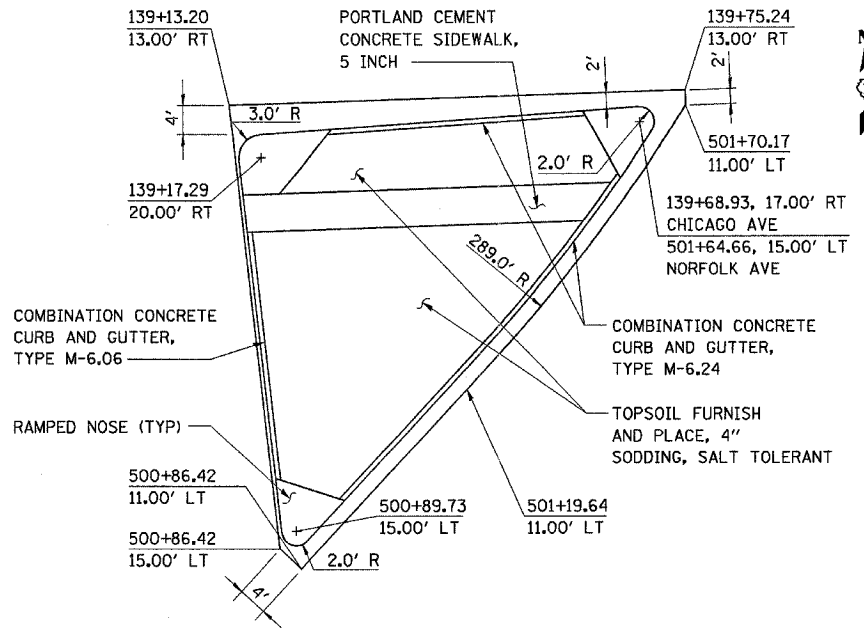
IMMOVABLE OBJECTS
(CURB-TYPE SIDEWALK, WIDE ROW)



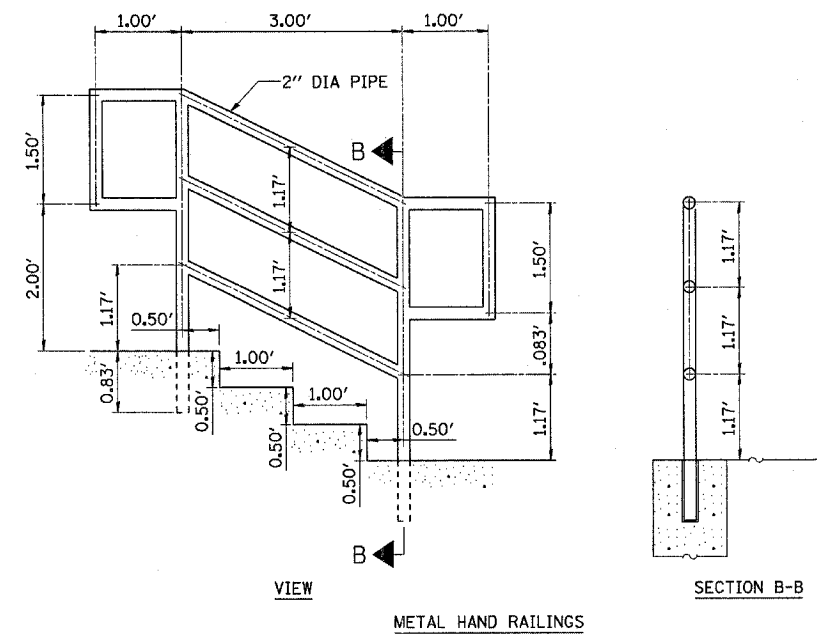
IMMOVABLE OBJECTS
(SIDEWALK WITH PARKWAY)

NOTES:

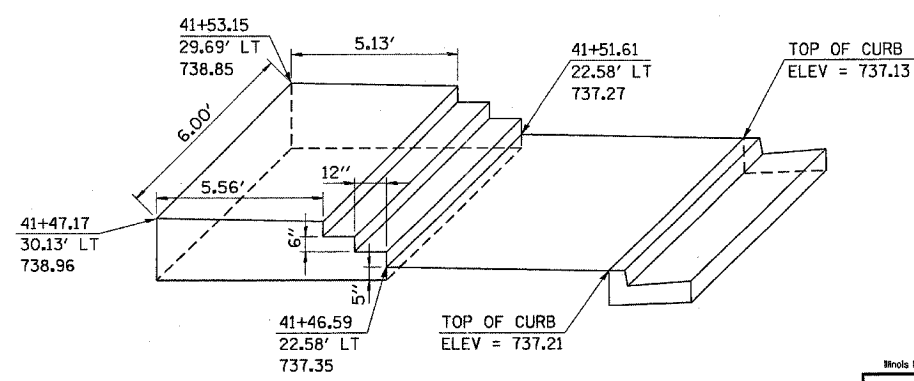
1. A FIRE HYDRANT, SERVICE POLE OR TREE TRUNK SHALL BE CONSIDERED IMMOVABLE ONLY WHEN DIRECTED BY THE ENGINEER.
2. THE VILLAGE OF WESTMONT WATER DEPARTMENT SHALL BE CONTACTED WHENEVER A FIRE HYDRANT IS FOUND TO BE IN THE PATH OF A NEW SIDEWALK, SO THAT THE FIRE HYDRANT CAN BE RELOCATED, IF POSSIBLE.
3. WHEN A SERVICE POLE OR FIRE HYDRANT IS LOCATED WITHIN THE SIDEWALK AREA, AND IS CONSIDERED IMMOVABLE, A 1/2" EXPANSION JOINT SHALL BE INSTALLED ENCIRCLING THE OBJECT.



ISLAND DETAIL
NORFOLK & CHICAGO AVENUES

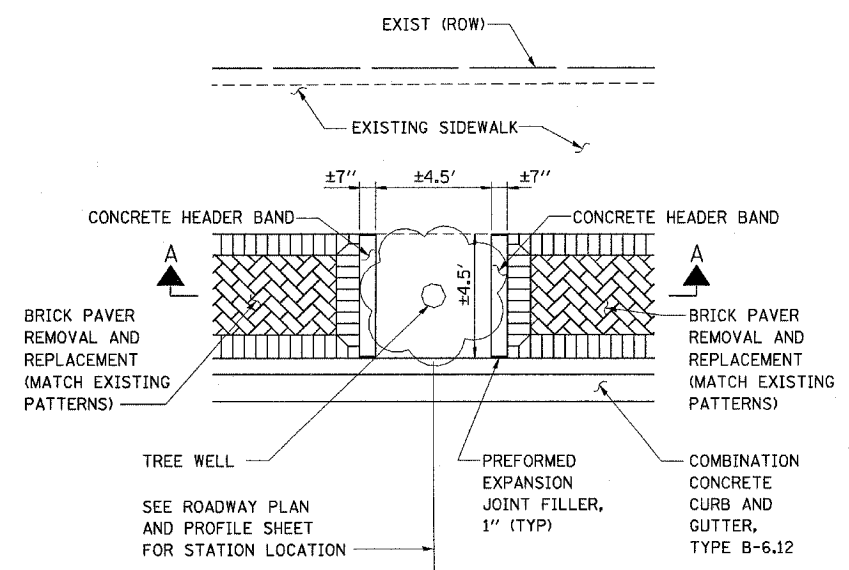


METAL HAND RAILINGS

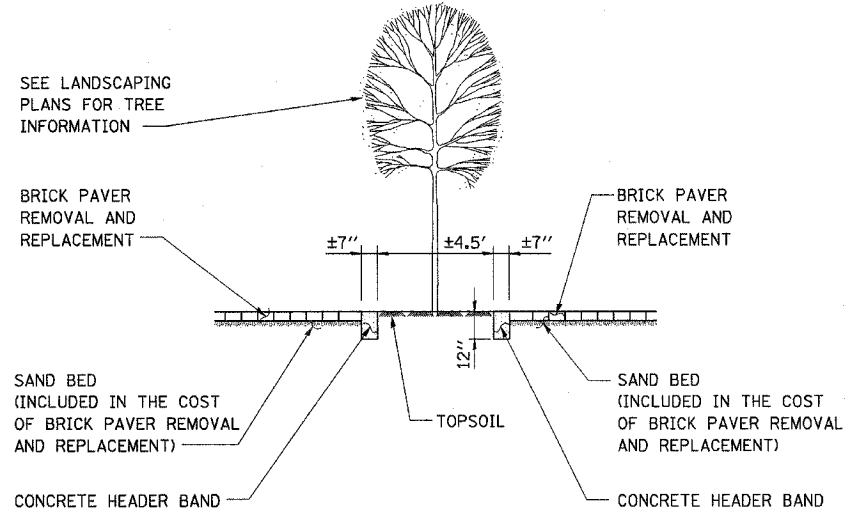


STAIR DETAIL

PROPOSED STAIR DETAIL @ STA 41 + 50



PLAN



SECTION A-A

CASS AVENUE PARKWAY DETAIL

Illinois Firm Registration No. 94-00533

850 West Higgins Road, Suite 730
Chicago, Illinois 60638-2000
www.stanleygroup.com

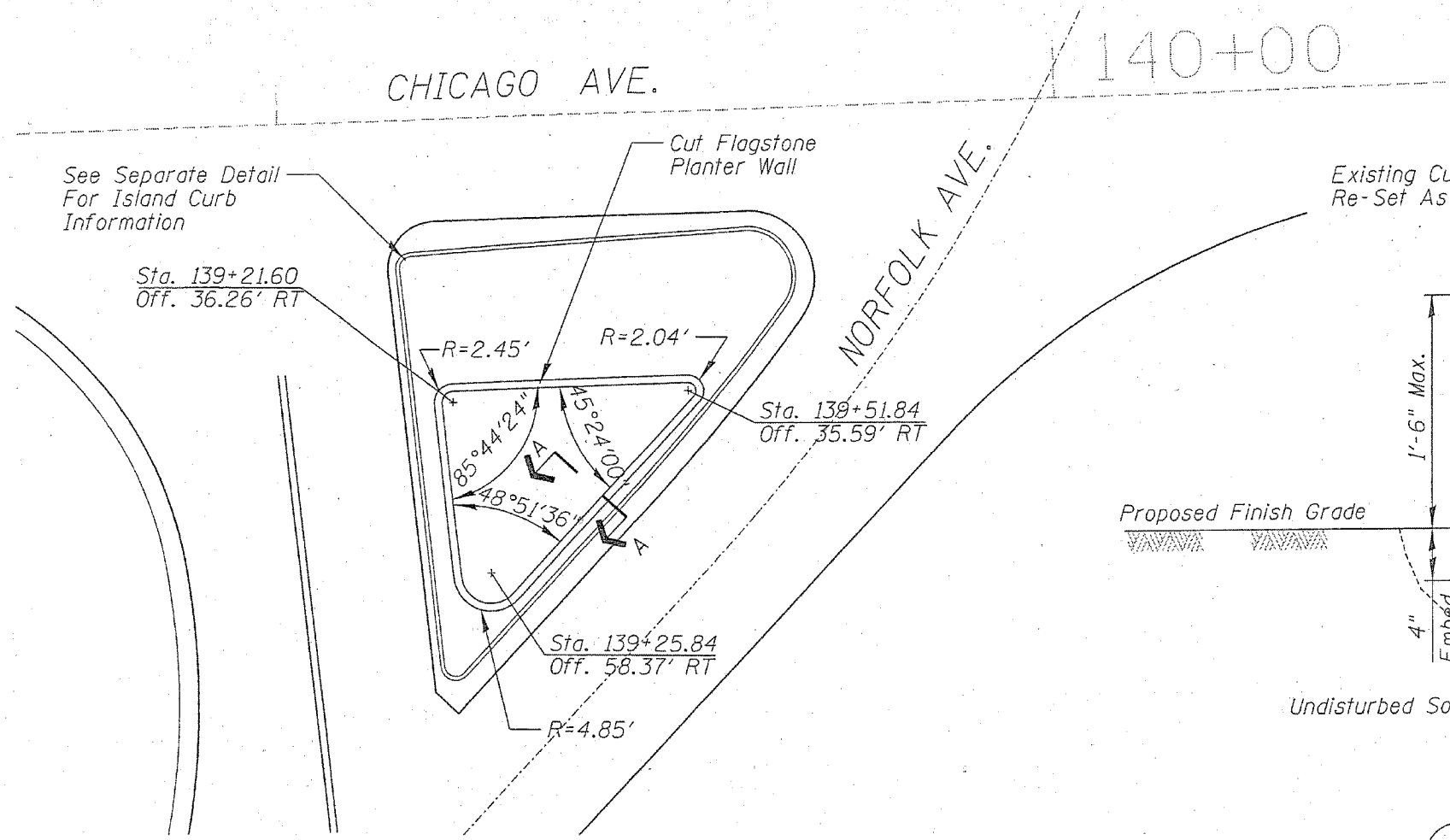
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

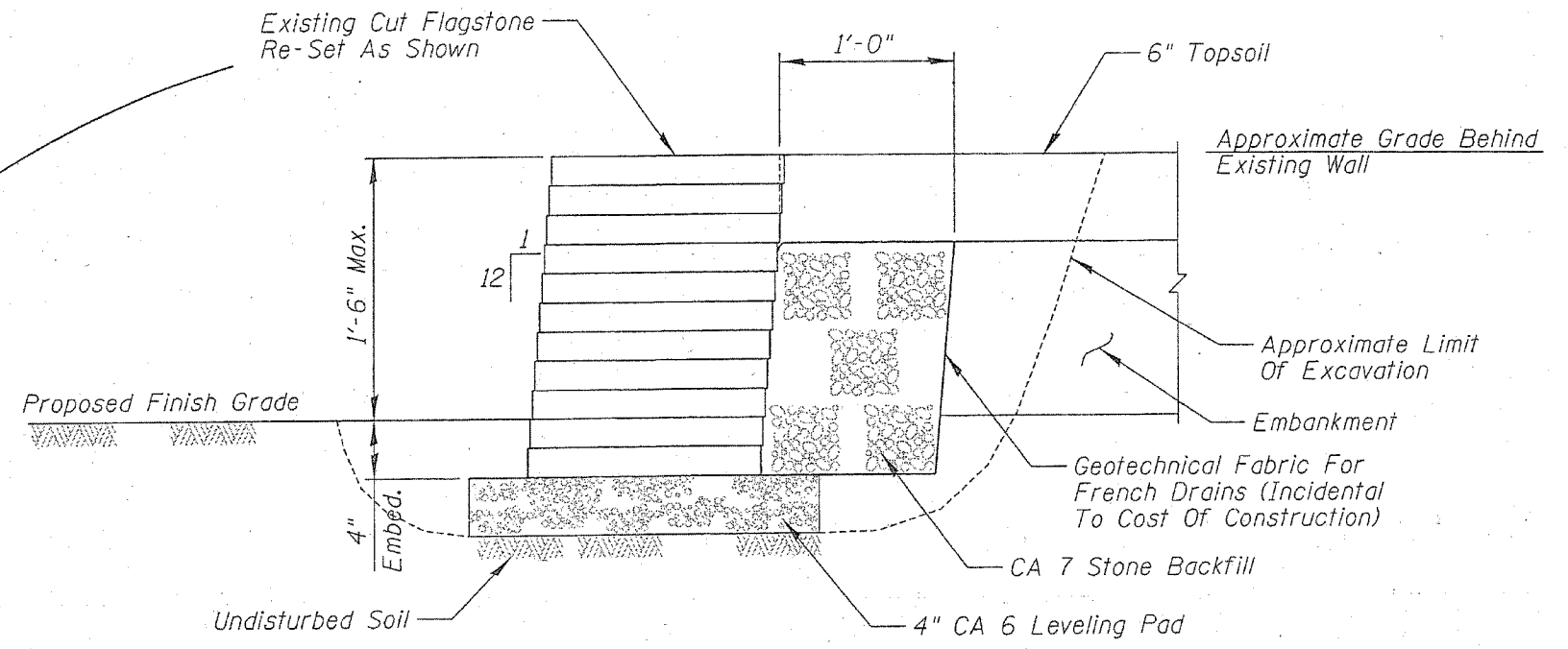
ROADWAY DETAILS
MAPLE AVENUE / CHICAGO AVENUE

SCALE: NONE
DATE: 22-NOV-2004

DRAWN BY: E.D.
CHECKED BY: G.T.



PLAN - ORNAMENTAL PLANTER LAYOUT



A SECTION - TYPICAL WALL

NOTES:

1. Remove Existing Cut Flagstone Wall And Store For Re-Use.
2. Excavate As Required.
3. Install And Compact Leveling Pad Using A Vibrating Plate Compactor
4. Install First Course Of Cut Flagstone.
5. Install Second Course Of Cut Flagstone Lapping The Stone Joints Below And At The Specified Batter (Approximately 1/4" Per Course)
6. Continue Installing Stone Courses As Described In No. 5 Above To A Maximum Height Of 1'-0" Above The Proposed Finish Grade.
7. Backfill And Compact The Front Face Of The Wall In Accordance With The Civil Plans.
8. Backfill And Compact The Backside Of The Wall With CA 7 In 6" Lifts.
9. Install Remaining Courses To The Final Top Of Wall Elevation As Directed By The Engineer, 1'-6" Maximum Height.
10. Backfill And Compact The Remainder Of The Wall As Shown In Section A.

BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
Ornamental Planter	LS	1

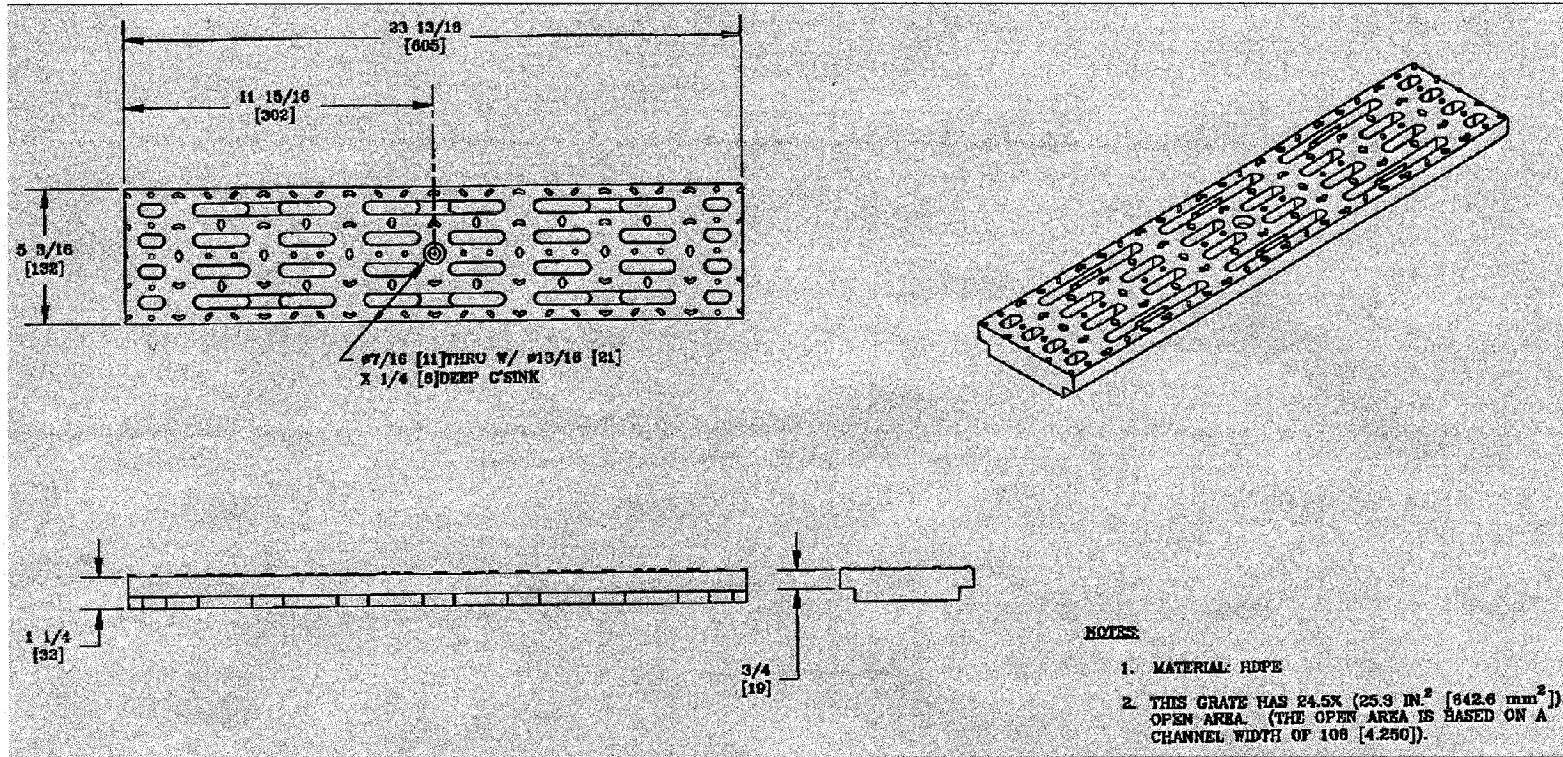
For Estimating Purposes, The Wall Measures Approximately 96 Lineal Feet Measured Along Its Outside Face.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ORNAMENTAL PLANTER
 CHICAGO AVENUE AND
 NORFOLK/COE ROAD**
 SCALE: NONE
 DATE: OCTOBER, 2004
 DRAWN BY: PDR
 CHECKED BY: SSM

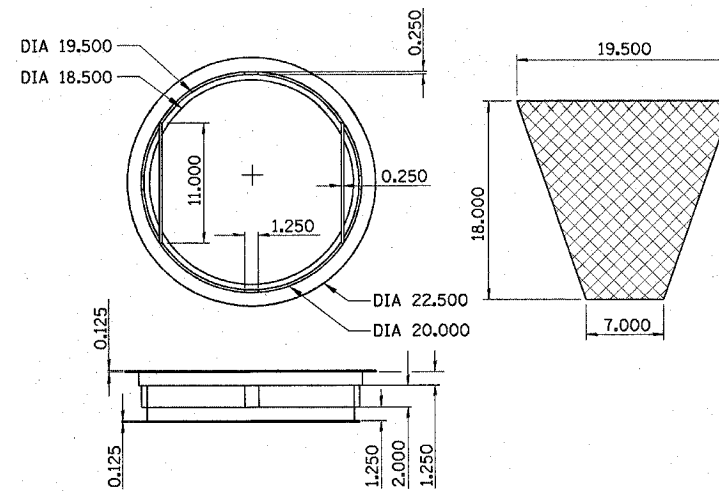
CB CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	194
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



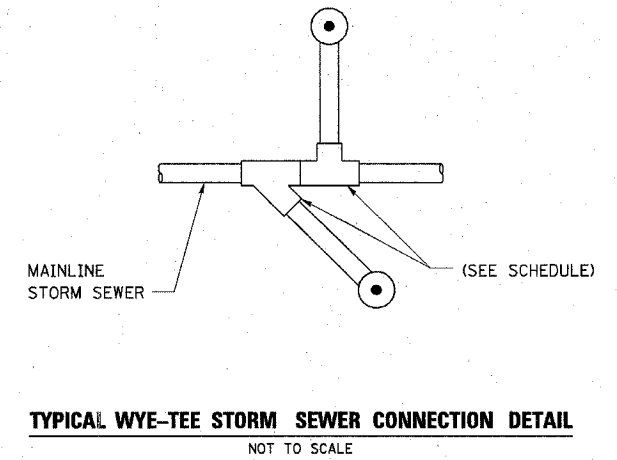
TRANSVERSE GRATE DETAIL
NOT TO SCALE

- NOTES:**
1. MATERIAL: HDPE
 2. THIS GRATE HAS 24.5% (25.9 IN.² [642.6 mm²]) OPEN AREA. (THE OPEN AREA IS BASED ON A CHANNEL WIDTH OF 108 [4.250]).

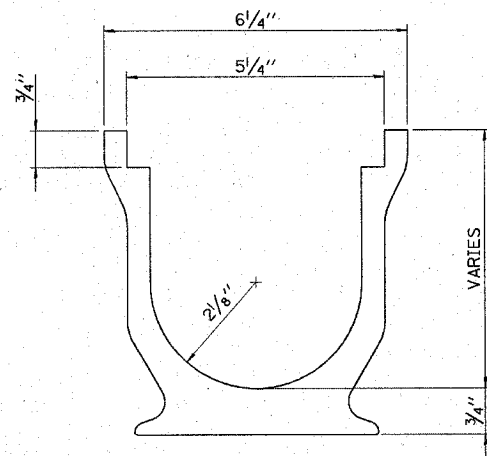


SEDIMENT CONTROL DRAINAGE STRUCTURE INLET FILTER DETAIL
(ALL DIMENSIONS IN INCHES)

- NOTES:**
- FRAME: TOP RING CONSTRUCTED FROM 1/4" x 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED FROM 1/2" x 1/2" x 1/8" CHANNEL HANDLES AND SUSPENSION BRACKETS CONSTRUCTED FROM 7" x 12" FLAT. ALL STEEL CONFORMING TO ASTM-A36
- REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ/SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

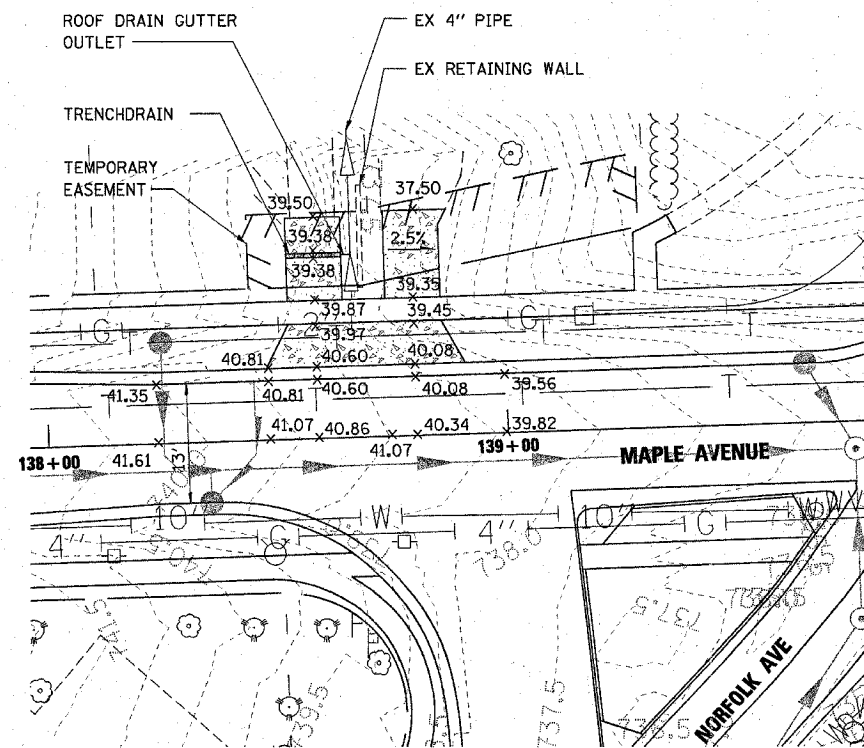


TYPICAL WYE-TEE STORM SEWER CONNECTION DETAIL
NOT TO SCALE



TRENCHDRAIN
NOT TO SCALE

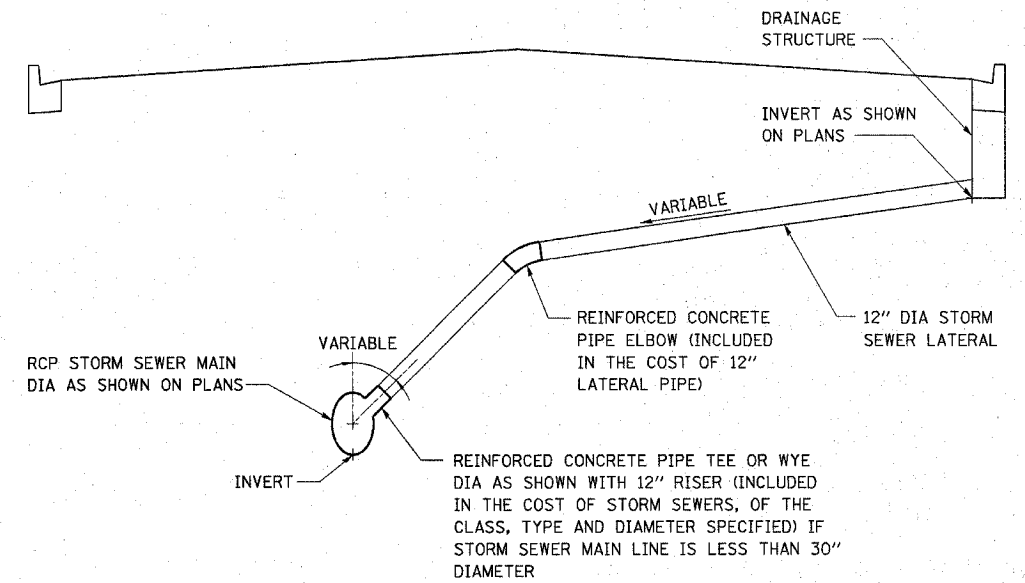
TRENCHDRAIN SHALL BE 600 SERIES STRONGWELL POLYCAST PRESLOPED SYSTEM OR APPROVED EQUAL WORK INCLUDES TRANSVERSE GRATE.



DRIVEWAY TRENCHDRAIN DETAIL

STA 138+59 LEFT
SCALE: 1"=20'

A 12" DIA PVC PIPE SHALL BE USED TO CONNECT THE SLOTTED DRAIN TO THE EX 12" DIA PIPE INCLUDED IN THE COST OF ROOF DRAIN GUTTER OUTLET



STORM SEWER LATERAL DETAIL BLIND CONNECTION WITH VERTICAL DROP

NOT TO SCALE

Illinois Firm Registration No. 04-00533



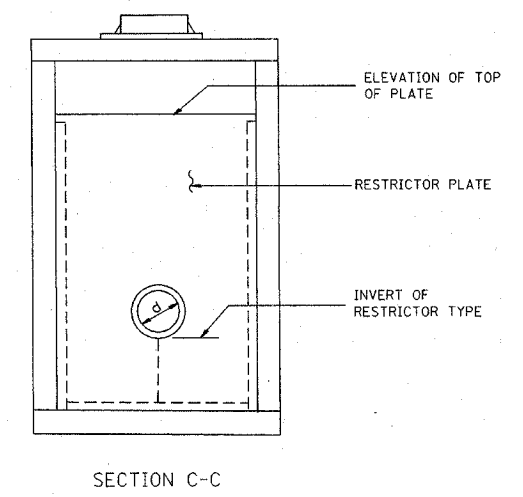
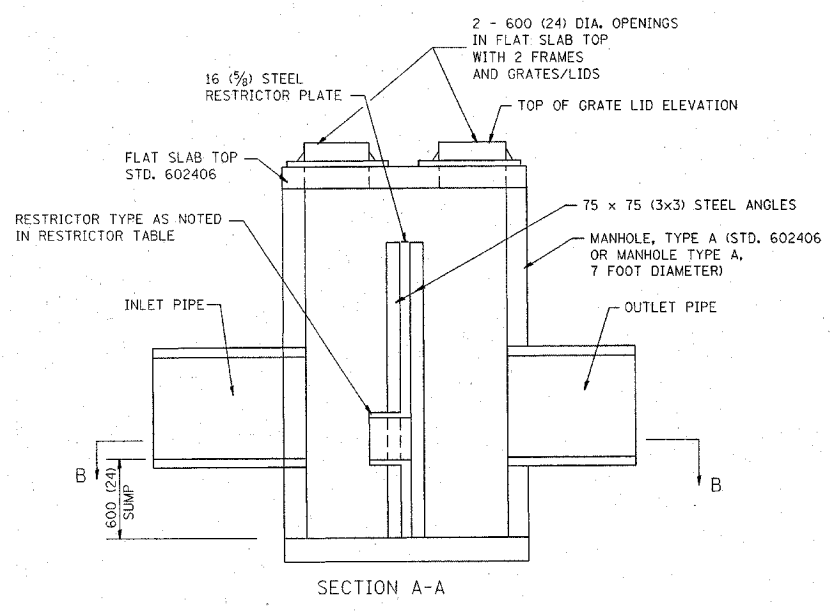
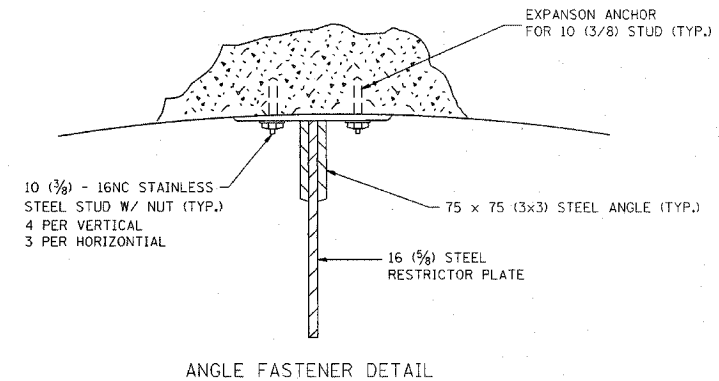
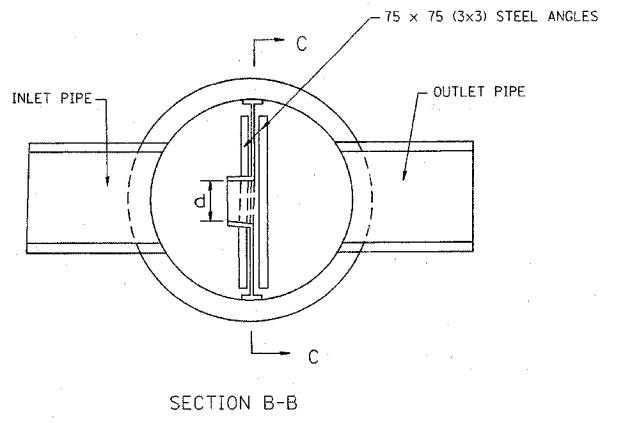
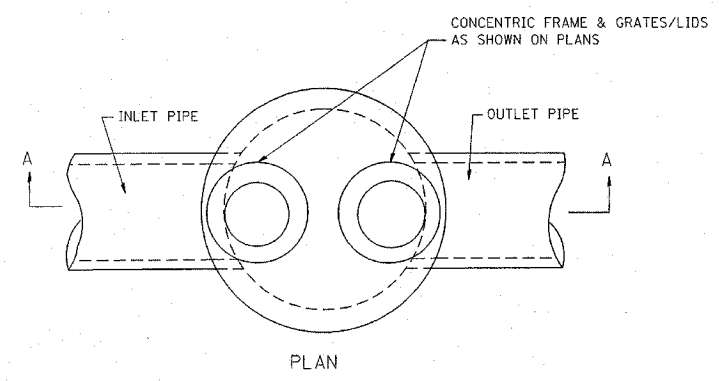
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

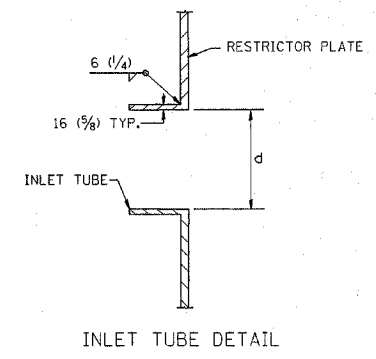
DRAINAGE DETAILS
MAPLE AVENUE / CHICAGO AVENUE

SCALE: AS NOTED
DATE: 31-MAR-2005

DRAWN BY: E.D.
CHECKED BY: G.T.

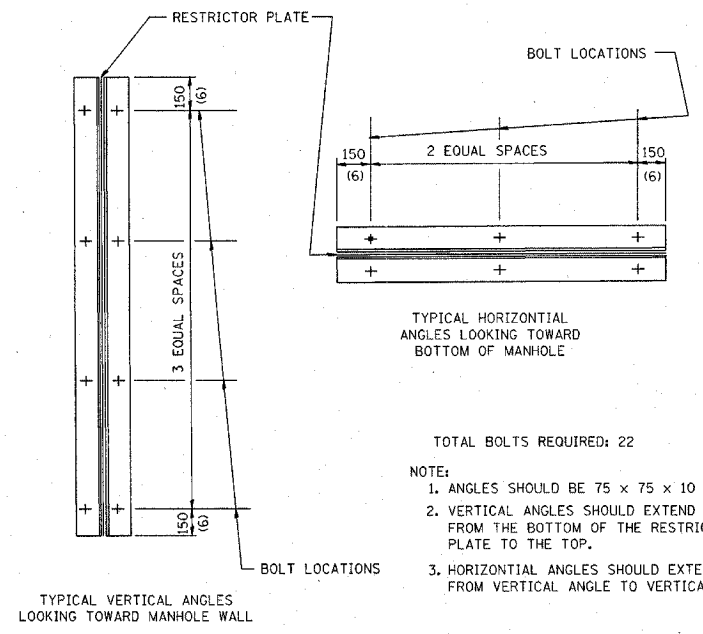


- NOTES:
- ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 - ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.



STRUCTURE NUMBER	STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
10	27+38	6'	T8G (2)	2	36	725.56	731.76
223	75+68	6'	T1FCL (2)	2	18	739.76	742.22
255	84+70	6'	T8G (2)	2	14	746.38	749.25
323	112+32	7'	T1FCL (2)	2	18	728.26	731.86
424	130+73	6'	T8G (2)	2	15	729.10	733.52
400	143+29	6'	T1FCL (2)	2	22	721.52	724.38

BASIS OF PAYMENT: MANHOLE, TYPE A RESTRICTOR PLATE WITH THE FRAME AND GRATE AND DIAMETER SPECIFIED.



- TOTAL BOLTS REQUIRED: 22
- NOTE:
- ANGLES SHOULD BE 75 x 75 x 10 (3x3x3/8)
 - VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 - 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.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

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

SCALE: NONE

DATE: 2004

DRAWN BY: IDOT

CHECKED BY: SV

SURVEYED
 PLOTTED
 NOTE BOOK
 AREAS CHECKED

ORIGINAL SURVEY
 PLOTTED
 NOTE BOOK
 AREAS CHECKED



ALL UNITS ARE SQUARE FEET	PRE-STAGE	STAGE 1	STAGE 2
EARTH EXCAVATION	2.08	12.46	10.74
EMBANKMENT	0.26	3.27	1.51
TOPSOIL STRIPPING	1.70	3.61	1.84

ALL UNITS ARE SQUARE FEET	PRE-STAGE	STAGE 1	STAGE 2
EARTH EXCAVATION	0.00	0.00	0.00
EMBANKMENT	0.00	0.00	0.00
TOPSOIL STRIPPING	0.00	0.00	0.00

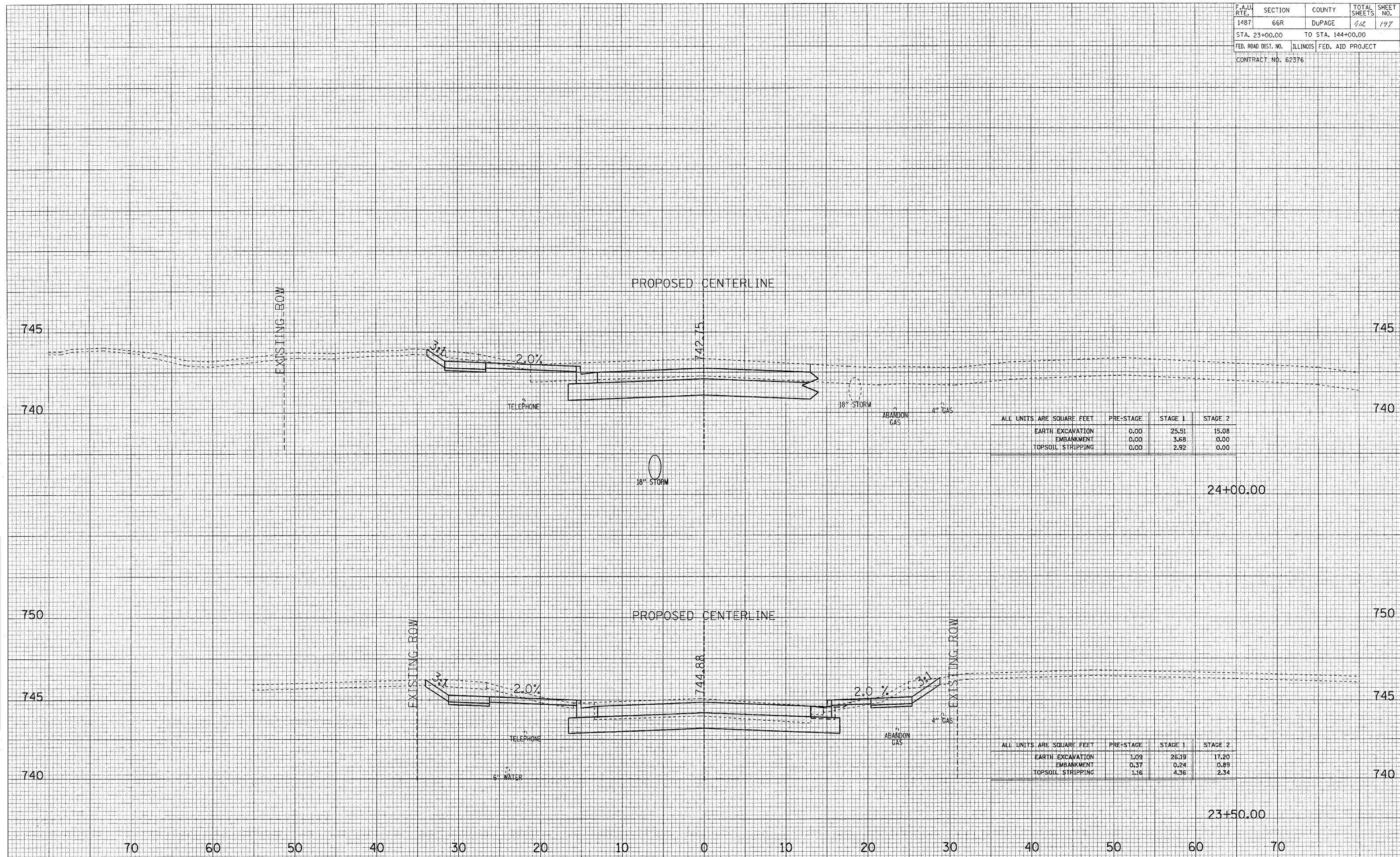
NOTE:
 SEE SCHEDULE OF QUANTITIES FOR LIMITS
 AND QUANTITIES OF UNDERCUT (REMOVAL
 AND DISPOSAL OF UNSUITABLE MATERIAL)
 AND POROUS GRANULAR EMBANKMENT,
 SUBGRADE.

MAPLE AVENUE CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	197
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62376				

SURVEYED
 SURVEY BOOK NO. _____
 TEMPLATE AREAS CHECKED _____
 NO. _____

SURVEYED
 SURVEY BOOK NO. _____
 TEMPLATE AREAS CHECKED _____
 NO. _____



ALL UNITS ARE SQUARE FEET	PRE-STAGE	STAGE 1	STAGE 2
EARTH EXCAVATION	0.00	25.51	15.08
EMBANKMENT	0.00	3.68	0.00
TOPSOIL STRIPPING	0.00	2.92	0.00

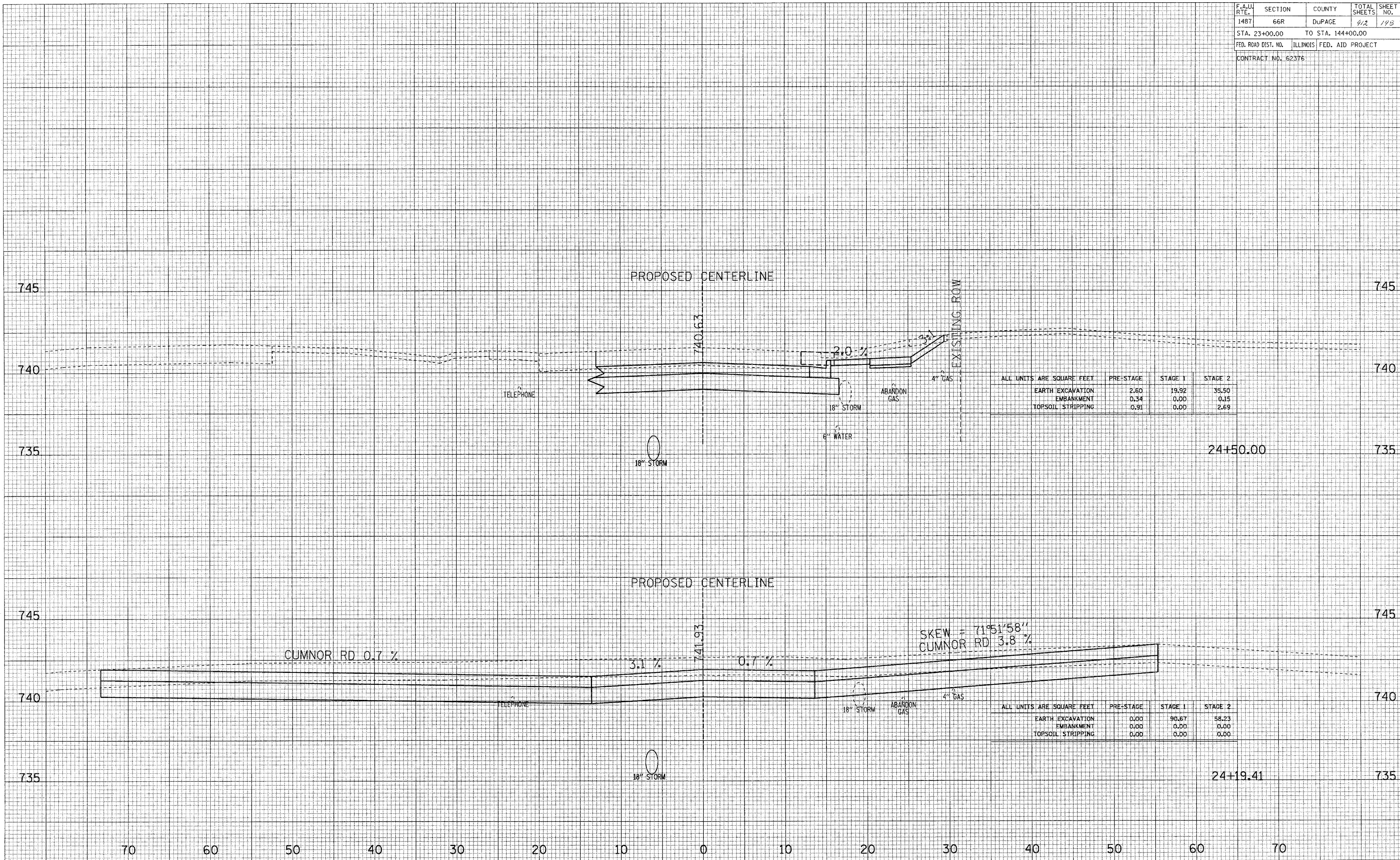
ALL UNITS ARE SQUARE FEET	PRE-STAGE	STAGE 1	STAGE 2
EARTH EXCAVATION	1.09	26.19	17.20
EMBANKMENT	0.37	0.24	0.89
TOPSOIL STRIPPING	1.16	4.36	2.34

MAPLE AVENUE CROSS SECTIONS

F.A.U. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	42	193
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				

SURVEYED
 PLOTTED
 NOTE BOOK
 AREAS CHECKED
 NO.

SURVEYED
 PLOTTED
 NOTE BOOK
 AREAS CHECKED
 NO.

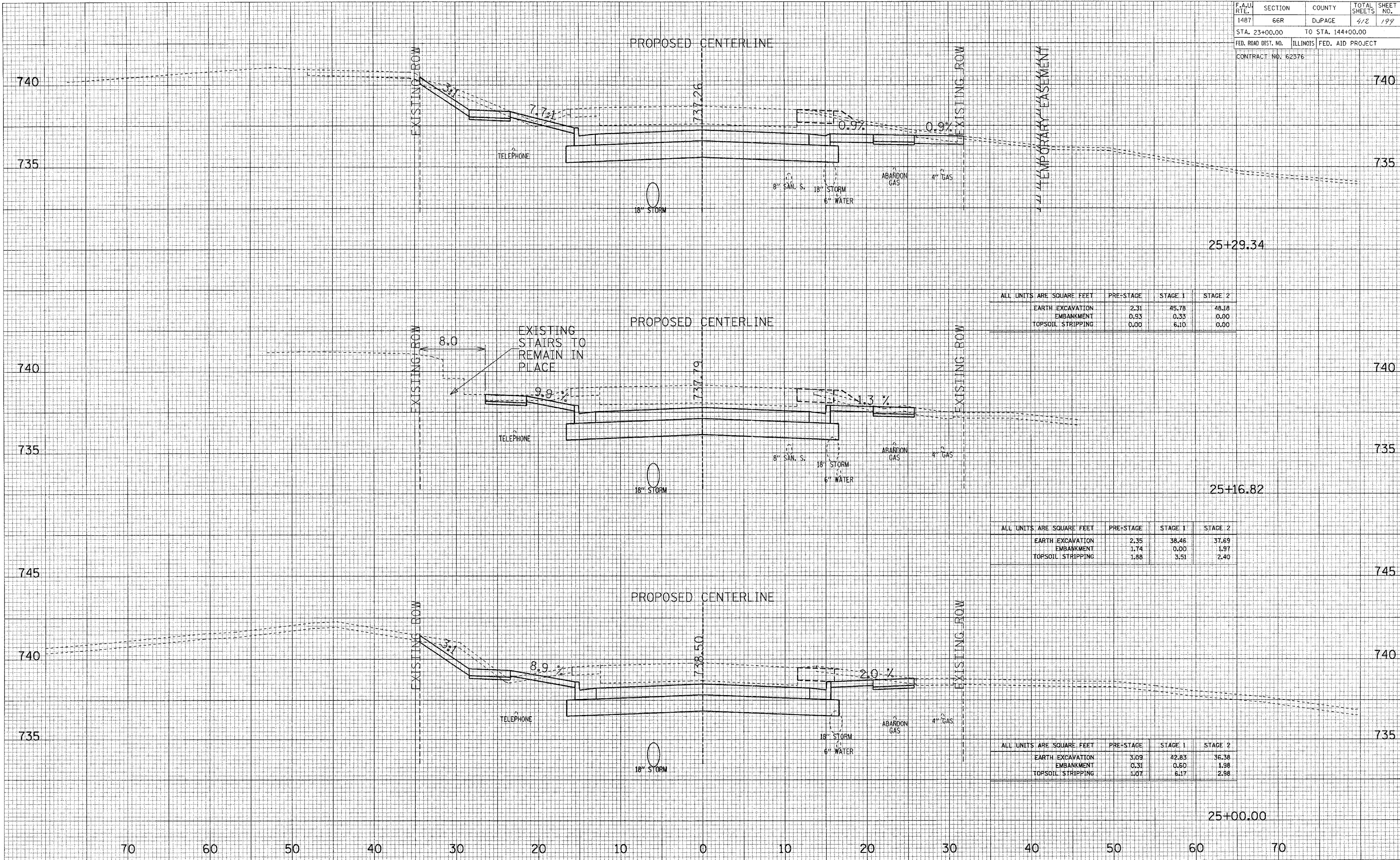


ALL UNITS ARE SQUARE FEET	PRE-STAGE	STAGE 1	STAGE 2
EARTH EXCAVATION	2.60	19.92	35.50
EMBANKMENT	0.34	0.00	0.15
TOPSOIL STRIPPING	0.91	0.00	2.69

ALL UNITS ARE SQUARE FEET	PRE-STAGE	STAGE 1	STAGE 2
EARTH EXCAVATION	0.00	90.67	58.23
EMBANKMENT	0.00	0.00	0.00
TOPSOIL STRIPPING	0.00	0.00	0.00

MAPLE AVENUE CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DUPAGE	412	199
STA. 23+00.00		TO STA. 144+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62376				



MAPLE AVENUE CROSS SECTIONS

