

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	54-R-4	DUPAGE	392	201
FED. ROAD DIST. NO. 1 ILLINOIS RECLAD. PROJECT				
CONTRACT NO. 82295				

BUILDING LEGEND

1 = TALL 1 STORY STUCCO COMM. BLDG.

STATE OF ILLINOIS
COUNTY OF DUPAGE

S.S.
THIS IS TO CERTIFY THAT I, DOMING J. MARCHESI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 REPEATED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 14th DAY OF JULY, 2003 A.D.

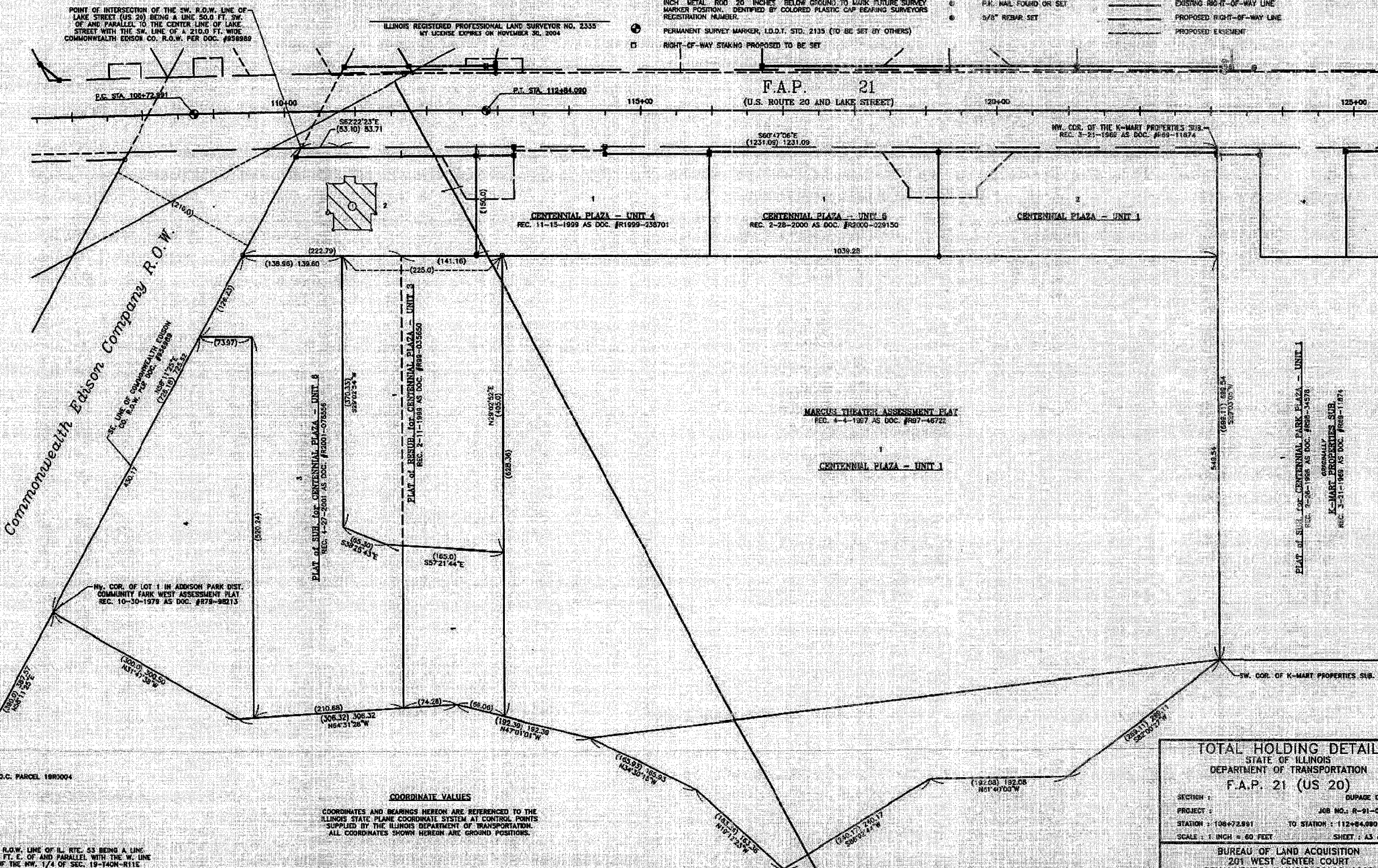
ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
MY LICENSE EXPIRES ON NOVEMBER 30, 2004

- T1 THESE STAKES, REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT-OF-WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

- 129.32' MEASURED DIMENSION
- 129.32' (COMPUTED) COMPUTED DIMENSION
- (129.32) RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊙ P.H. NAIL FOUND OR SET
- ⊙ 5/8" REBAR SET

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (FEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT



DATE	BY
8-10-03	DJM
8-10-03	DJM
8-10-03	DJM
8-10-03	DJM

Marchese and Sons, Inc.
land - marina - construction surveys
10 MONROE DRIVE ROSELLE, IL 60172
PHONE: (630) 884-6800 FAX: (630) 884-8886

TOTAL HOLDING DETAIL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

SECTION: DUPAGE COUNTY
PROJECT: JOB NO. R-91-005-92
STATION: 108+72.991 TO STATION: 112+84.080
SCALE: 1 INCH = 60 FEET SHEET: 43 of 114

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

Sections 18 & 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
357	BY-R-4	DUPAGE	NO.
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID. PROJECT	
CONTRACT NO. 62283			

LINE	STATION	BEARING
A	1.17	S132°18'E
B	2.51	N85°33'34"W
C	9.57	N25°06'30"E
D	12.93	N60°47'08"W
E	9.65	S58°11'25"W
F	2.73	S08°11'25"W
G	30.33	S61°53'20"E
H	10.75	S75°55'22"E
I	4.73	N25°06'30"E
J	42.28	N60°47'08"W
K	10.03	S25°12'54"W
L	37.72	S60°47'08"E
M	18.50	S25°12'54"W
N	37.98	N60°54'16"W
O	1.02	N132°18'W
P	69.68	S62°12'58"E
Q	10.75	S61°07'58"E
R	8.47	S132°18'E
S	5.69	S85°32'10"E
T	3.86	N25°04'42"E
U	14.33	N25°06'30"E

STATION	OFFSET	COORDINATES
110+85.079	60.00 LT.	1924122.3967 N - 1067365.6664 E
111+75.985	60.00 LT.	1924078.6282 N - 1067445.7329 E
112+84.090	0.00	1923873.6189 N - 1067512.3345 E
112+84.090	60.00 LT.	1924025.9665 N - 1067541.6188 E
112+97.023	60.00 LT.	1924019.8740 N - 1067552.9076 E
117+45.489	60.00 LT.	1923800.7926 N - 1067944.3091 E

PARCEL	OWNER	PERMANENT TAX NUMBER	TAX ACRES	TAX DEDICATED ACRES	ASSESSED ACRES	ACQUIRED BY
1990017	NATIONAL BANK OF COMMERCE	03 - 18 - 407 - 025	2.254	0.050	0.019	N/A
1990017E				N/A	N/A	1.010
1990018E	GRECO/REGGI ADDISON, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	03 - 18 - 213 - 017	1.853	N/A	N/A	1.017

INSTRUMENT	DOCUMENT NO.	RECORDED DATE
WARRANTY DEED	R89-204328	9-23-1999

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	16007.38	199.76	99.79	N61°08'33"W
2	(00.00)	5.28	5.28	N32°08'26"E
3	16007.38	29.00	29.00	S60°50'13"E
4	(00.00)	(28.71)	(28.33)	N44°24'04"E
5	(00.00)	(28.71)	(28.33)	N79°10'38"E
6	(00.00)	(28.71)	(28.33)	N72°28'00"W
7	(00.00)	(28.71)	(28.33)	N73°32'54"E
8	(00.00)	(28.71)	(28.33)	S82°18'50"E
9	(00.00)	(28.71)	(28.33)	S78°12'38"E

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCED FROM OR SET MONUMENTATION. SET 5/8" INCH IRON ROD WITH GRADING TO BE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES IN CULTIVATED AREAS. REFERENCE FOUND OR SET MONUMENTATION. BEURED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKE/2 PROPOSED TO BE SET
- P.K. NAIL FOUND OR SET
- 5/8" REBAR SET

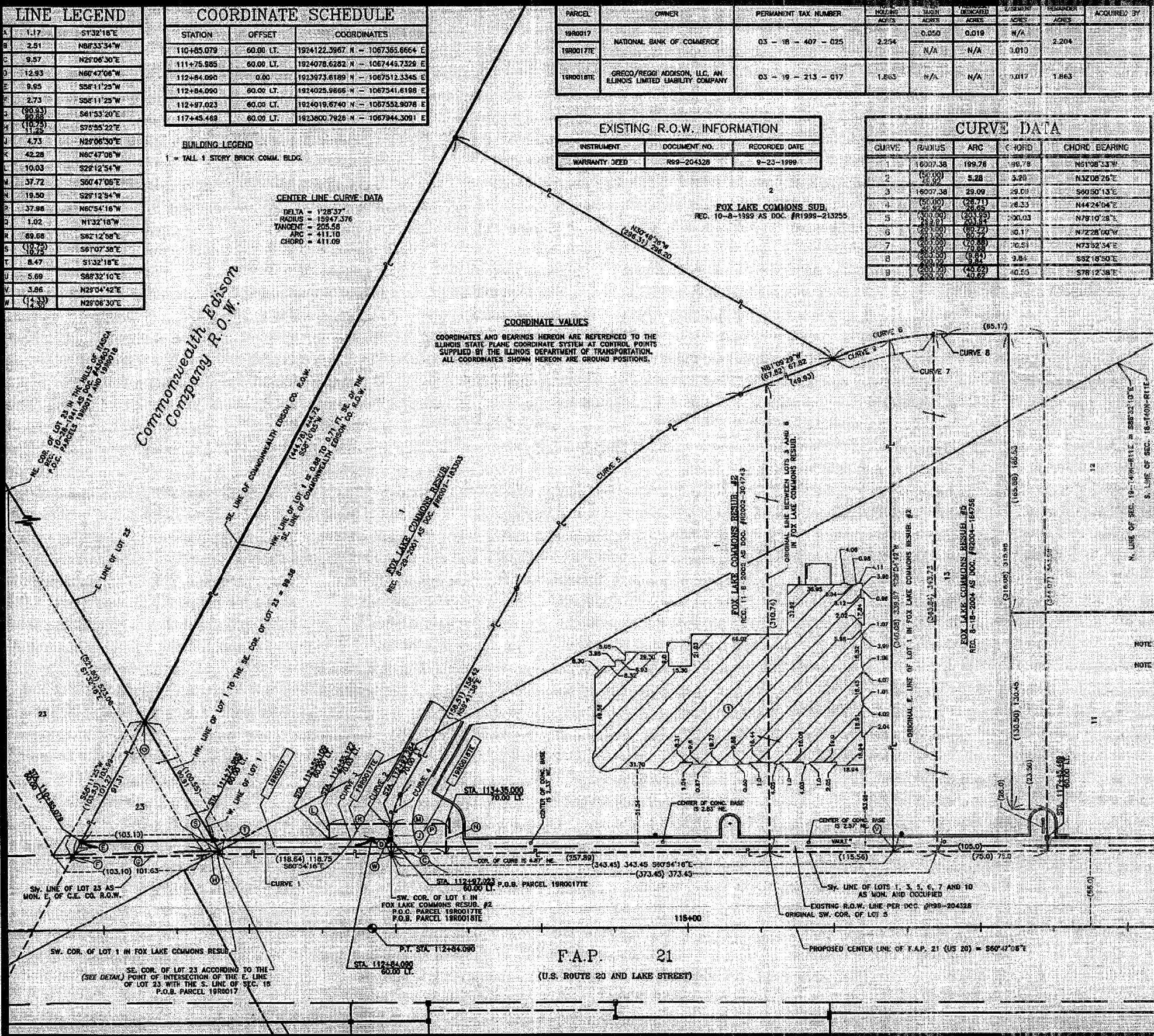
BUILDING LEGEND
 1 = TALL 1 STORY BRICK COMM. BLDG.

CENTER LINE CURVE DATA
 DELTA = 1°28'37"
 RADIUS = 15947.376
 TANGENT = 295.58
 APC = 411.10
 CHORD = 411.09

COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

DATE	BY
12/12/04	DM
12/12/04	DM
12/12/04	DM

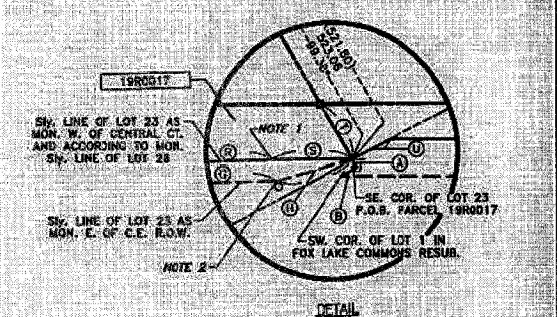
Marchese and Sons, Inc.
 184-4028
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE (708) 894-1880 FAX: (708) 894-8889



STATE OF ILLINOIS
 COUNTY OF DU PAGE
 I, DOMING J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DU PAGE 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 RE-TRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT ROSELLE, ILLINOIS, THIS 15th DAY OF DECEMBER, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2008

NOTE 1: ANGLE POINT IN SW. LINE OF LOT 23 IS 52.90 FT. LT. OF CURVED CENTER LINE AND 50.0 FT. LT. OF TANGENT LINE USED AS CENTER LINE.
 NOTE 2: ANGLE POINT IN SW. LINE OF LOT 22 AS MON. E. OF C.E. CO. R.O.W. IS 49.82 FT. LT. OF CURVED CENTER LINE AND 47.00 FT. LT. OF TANGENT LINE USED AS CENTER LINE.



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

SECTION: _____ DUPAGE COUNTY
 PROJECT: _____ JOB NO. R-81-005-92
 STATION: 110+85.079 TO STATION: 117+45.489
 SCALE: 1 INCH = 30 FEET SHEET: A4 OF A14

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUHEURG, ILLINOIS 60196-1096

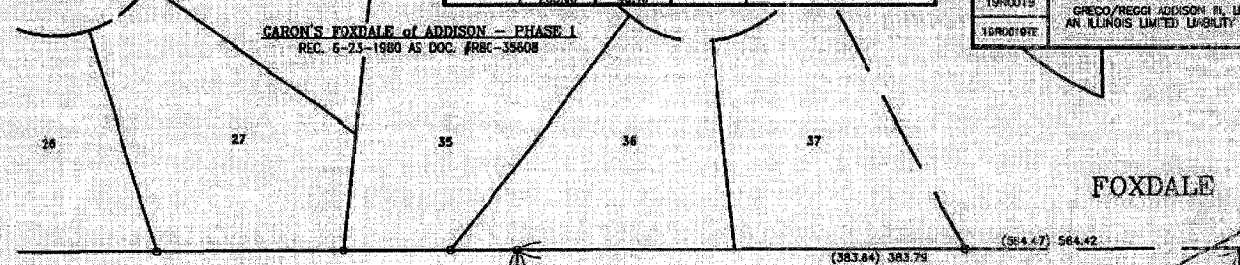
SHEET NO.	213
TOTAL SHEETS	213
COUNTY	DUPAGE
SECTION	18-19
F.A.U. R.T.E.	397
FED. ROAD DIST. NO.	1
ILLINOIS FED. AID PROJECT CONTRACT NO.	62295

- LEGEND**
- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATED LOT LINE
 - PROPERTY (DEED) LINE
 - APR APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT-OF-WAY LINE
 - PROPOSED RIGHT-OF-WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
 - IRON PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - STARTING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO ADJUSTMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STARTING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	(200.00)	(9.54)	9.84	S82°18'30"E
2	(200.00)	(9.54)	40.03	S66°38'54"E

PARCEL	OWNER	PERMANENT TAX NUMBER	HOLDING	ACRES	REMARKS	ACQUIRED BY
19R0006	OXFORD BANK & TRUST AN ILLINOIS BANKING ASSOCIATION	03-19-213-007	1.5.9	0.035	0.013	1.504
19R0007E				N/A	N/A	0.075
19R0015	GRECO/REGG ADDISON II, LLC AN ILLINOIS LIMITED LIABILITY CO.	03-19-213-016	2.240	0.055	0.014	N/A
19R0019E		03-19-213-018		N/A	N/A	0.062

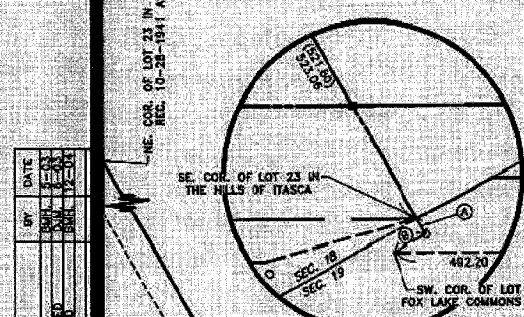


LINE LEGEND

STATION	OFFSET	COORDINATES
A	1.17	S7°22'18"E
B	2.51	N68°33'34"W
C	7.47	N29°07'24"E
D	8.47	S28°04'44"W
E	30.0	N29°04'44"E
F	35.81	S60°47'08"E
G	2.87	N29°07'24"E
H	8.84	N29°04'44"E
J	24.19	S60°47'08"E
K	3.84	S28°04'44"W
L	3.86	S28°44'42"W

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
117+45.465	60.00 LT.	1923903.7525 N - 1767944.3091 E
119+24.210	60.00 LT.	1923713.2515 N - 196100.3125 E
121+12.413	60.00 LT.	1923621.6915 N - 1068264.7797 E



Marchese and Sons, Inc.
 10 MONROE DRIVE, ROSELLE, IL 60772
 Phone: (800) 884-5881 Fax: (800) 884-5889

COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES GIVEN HEREON ARE GROUND POSITIONS.

STATE OF ILLINOIS
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 RETRACTED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSELLE, ILLINOIS, THIS 20th DAY OF DECEMBER, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2008

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

SECTION: _____ DUPAGE COUNTY
 PROJECT: _____ JOB NO.: R-91-005-62
 STATION: 117+45.465 TO STATION: 121+12.413
 SCALE: 1 INCH = 45 FEET SHEET 1 OF 14

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHILLERBURG, ILLINOIS 60196-1096

EXISTING R.O.W. INFORMATION

INSTRUMENT	DOCUMENT NO.	RECORDED DATE
WARRANTY DEED	R99-24328	9-23-1999

FAUL. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	54/R4	DUPAGE	37	204
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 82295				

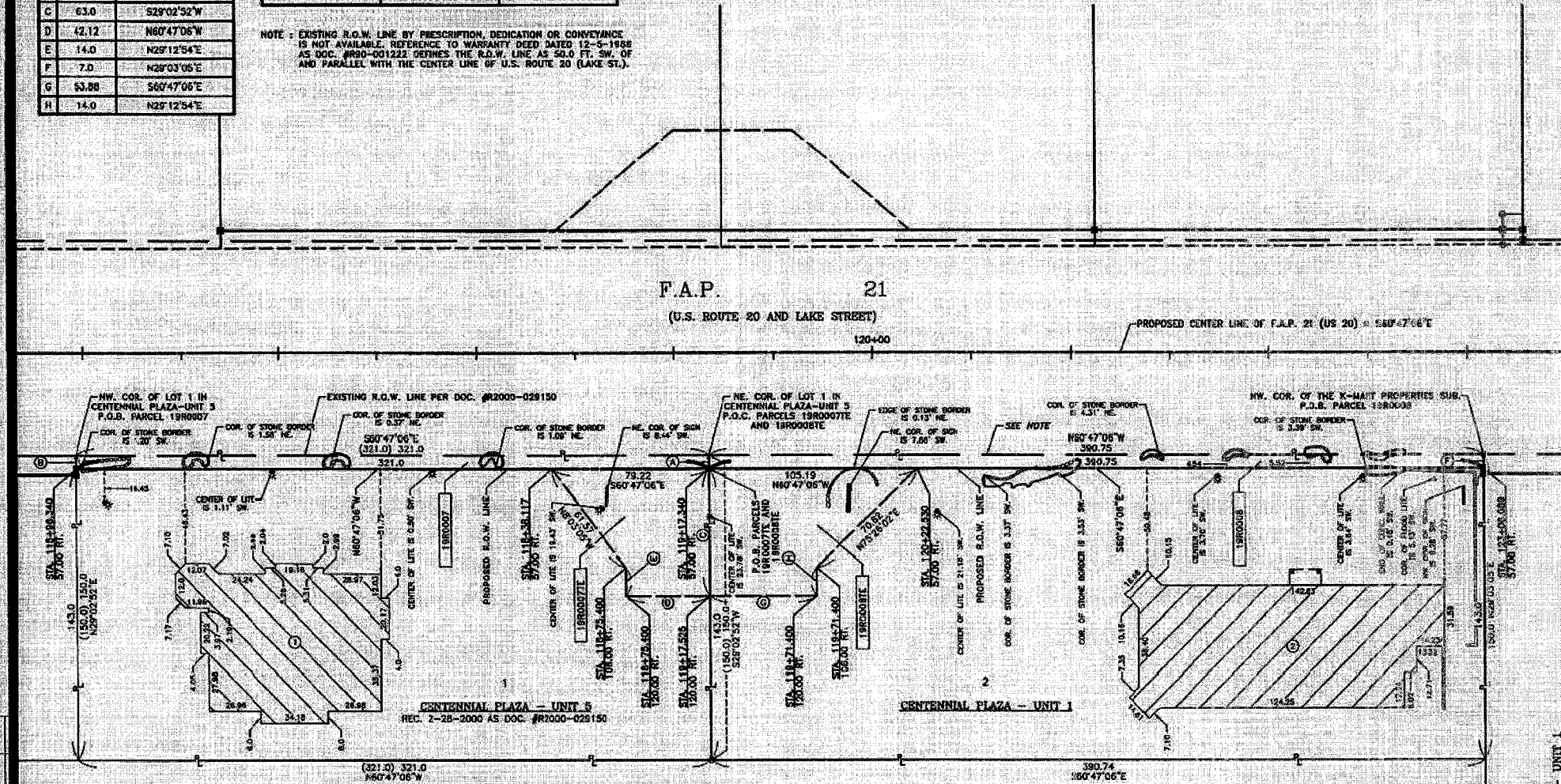
LINE	WIDTH	BEARING
A	7.0	S29°02'52"W
B	7.0	N29°02'52"E
C	63.0	S29°02'52"W
D	42.12	N60°47'06"W
E	14.0	N29°12'54"E
F	7.0	N39°03'05"E
G	53.88	S60°47'06"E
H	14.0	N29°12'54"E

INSTRUMENT	DOCUMENT NO.	RECORDED DATE
SUBDIVISION	R2000-029150	2-28-2000

NOTE: EXISTING R.O.W. LINE BY PRESCRIPTION, DEDICATION OR CONVEYANCE IS NOT AVAILABLE. REFERENCE TO WARRANTY DEED DATED 12-5-1988 AS DOC. #R90-001222 DEFINES THE R.O.W. LINE AS 50.0 FT. SW. OF AND PARALLEL WITH THE CENTER LINE OF U.S. ROUTE 20 (LAKE ST.).

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPOINTED PROPERTY LINE
- SETBACK LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" INCH IRON ROD, PLUSH WITH ENGLAND TO THE FOUND FROM STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" INCH IRON ROD 30 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING ON PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET



DATE	BY
10/11/04	...
10/11/04	...
10/11/04	...

Marchese and Sons, Inc.
 10 MONROE DRIVE, ROSELLE, IL 60172
 PHONE: (630) 944-8880 FAX: (630) 944-8886

BUILDING LEGEND
 1 = TALL 1 STORY STUCCO COMM. BLDG.
 2 = TALL 1 STORY STUCCO COMM. BLDG.

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
19R0007	JOSE L FERNANDEZ	03 - 19 - 201 - 019	1.105	0.652	N/A	N/A	1.053	
19R0008	RANZY FAMILY LIMITED FAMILY TRUST	03 - 19 - 201 - 012	1.346	0.063	N/A	N/A	1.283	

STATION	OFFSET	COORDINATES
115+86.340	57.00 RT.	1921771.4629 N - 1067757.0436 E
118+17.340	57.00 RT.	1921614.7876 N - 1068037.2109 E
123+08.089	57.00 RT.	1921424.0672 N - 1068378.2545 E

STATE OF ILLINOIS
 COUNTY OF DUPAGE
 THIS IS TO CERTIFY THAT I, DOMINGO J. MARCHESI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 ROSELLE, ILLINOIS, THIS 28th DAY OF JANUARY, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2004

COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 21 (US 20)

SECTION: 19 DUPAGE COUNTY
 PROJECT: JOB NO.: R-91-005-42
 STATION: 115+86.340 TO STATION: 123+08.089
 SCALE: 1 INCH = 30 FEET SHEET: AB OF A14

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

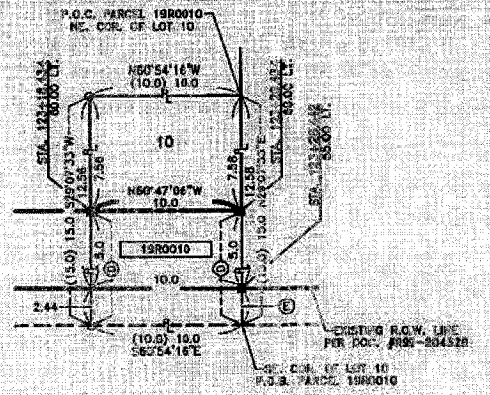
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	SV-R-4	DUPAGE	373	215
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID. PROJECT				
CONTRACT NO. 62295				

STATION	OFFSET	COORDINATES
121+12.413	80.00 LT.	1923621.6915 N - 1068284.5787 E
123+18.434	80.00 LT.	1923521.1353 N - 1068444.3842 E
123+28.434	80.00 LT.	1923516.2844 N - 1068453.1171 E
123+28.442	55.00 LT.	1923511.6667 N - 1068450.6935 E
128+04.804	55.00 LT.	1923279.3799 N - 1068866.4485 E
128+25.049	89.78 LT.	1923296.8555 N - 1068901.0959 E
129+40.755	0.000	1923185.0181 N - 1068958.2690 E
134+08.830*	0.000*	1923459.1403 N - 1068953.0795 E
129+50.715	0.000	1923160.1586 N - 1068966.9592 E

INSTRUMENT	DOCUMENT NO.	RECORDED DATE
WARRANTY DEED	R99-204326	9-23-1999
DEDICATION	R80-35608	6-23-1980

LINE	WIDTH	BEARING
A	2.87	S29°07'24"W
B	7.44	N29°07'33"E
C	7.87	S29°07'24"W
D	7.42	N29°07'33"E
E	2.42	N29°07'33"E
F	40.24	N50°25'03"E
G	41.54	S00°22'48"E
H	1.54	N00°22'48"W
J	104.80	N60°47'08"W
K	3.0	N29°12'54"E
L	5.78	S59°25'03"W
M	34.46	S59°25'03"W

COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.



LEGEND

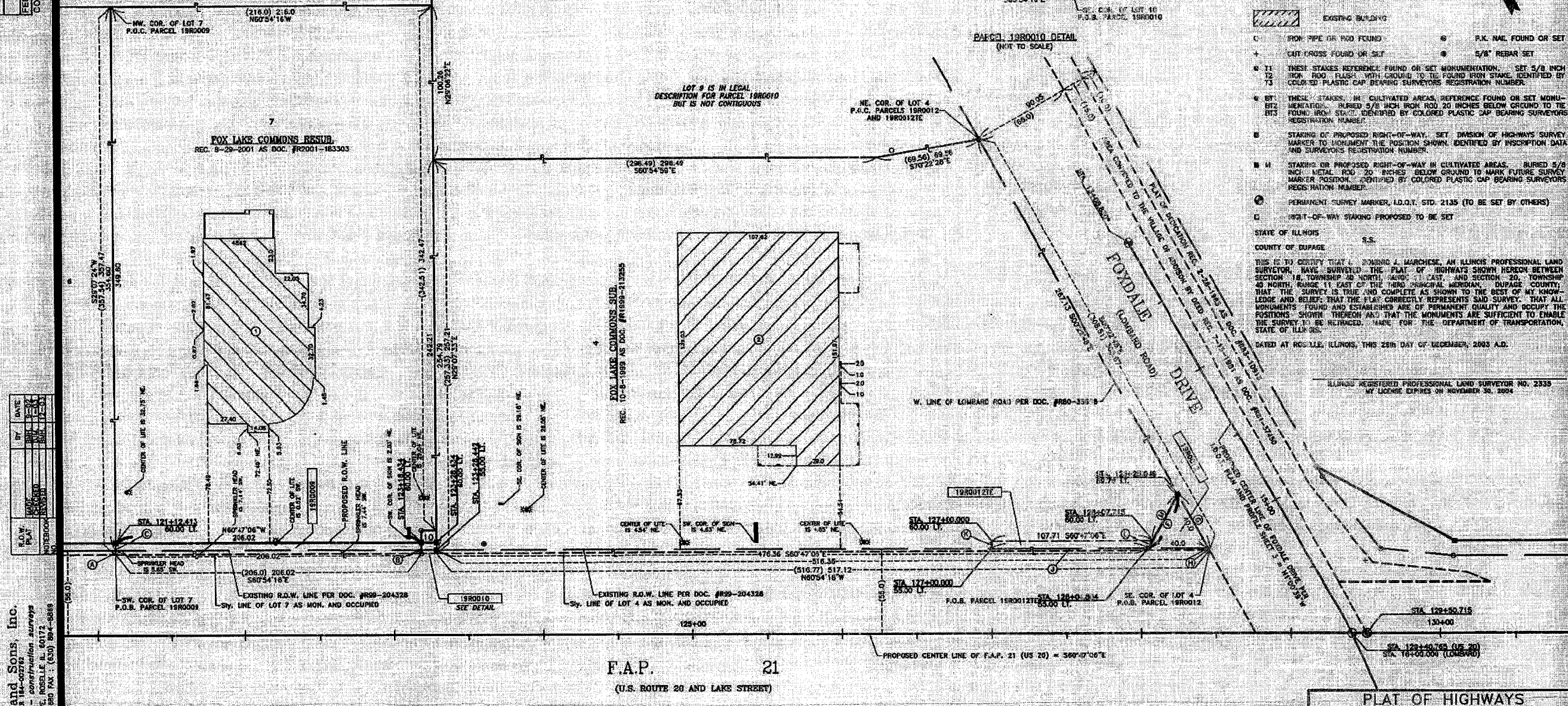
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPRIMENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASIMENT
- MEASURED DIMENSION
- COMPILED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO BE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING MARKER TO BE SET

STATE OF ILLINOIS
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, LAWRENCE J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 REPLICATED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROCKFORD, ILLINOIS, THIS 28th DAY OF DECEMBER, 2003 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2339
 MY LICENSE EXPIRES ON NOVEMBER 30, 2004



DATE	BY
12/28/03	LM
12/28/03	JK
12/28/03	BT
12/28/03	BT

Marchese and Sons, Inc.
 NUMBER 184-02766
 land - marine - construction surveys
 10 WINDACO DR., ROSSELLE, IL 60172
 PHONE: (630) 884-3480 FAX: (630) 894-6818

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES	ACQUIRED BY
1980009	LUMAJO ENTERPRISES LLC.	03 - 19 - 213 - 008	1.769	0.038	0.013	N/A	1.733	
1980010	QCC ADDISON VENTURE, AN ILLINOIS LIMITED LIABILITY COMPANY	03 - 19 - 213 - 010 03 - 19 - 213 - 011	0.003	0.002	24 sq. ft. 0.001 ac.	N/A	0.001	
1980012	AMERICAN STORES PROPERTIES, Inc. A DELAWARE CORPORATION	03 - 19 - 213 - 004	2.634	N/A	N/A	0.012	2.596	

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 21 (US 20)

SECTION: 19 DUPAGE COUNTY
 PROJECT: JOB NO. R-01-005-92
 STATION: 121+12.413 TO STATION: 129+50.715
 SCALE: 1 INCH = 30 FEET SHEET: 47 of 114

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHLAUBURG, ILLINOIS 60196-1096

AS DOCUMENT NO.

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET
3537	54-R-4	DUPAGE	592
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 52365			

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	FEDERALLY DEDICATED ACRES	EASEMENT ACRES	ROADWAY ACRES	ACQUIRED BY
19R0011-A	CENTENNIAL PARTNERS II LIMITED PARTNERSHIP	03 - 19 - 201 - 013	11.315	0.014	N/A	N/A	N/A	
03 - 19 - 201 - 014								
03 - 19 - 201 - 016								

EXISTING R.O.W. INFORMATION		
INSTRUMENT	DOCUMENT NO.	RECORDED DATE
SUBDIVISION	888-18074	3-21-1988
SUBDIVISION	888-14178	2-25-1988
VILLAGE DEED	882-40554	3-10-1988

LEGEND

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

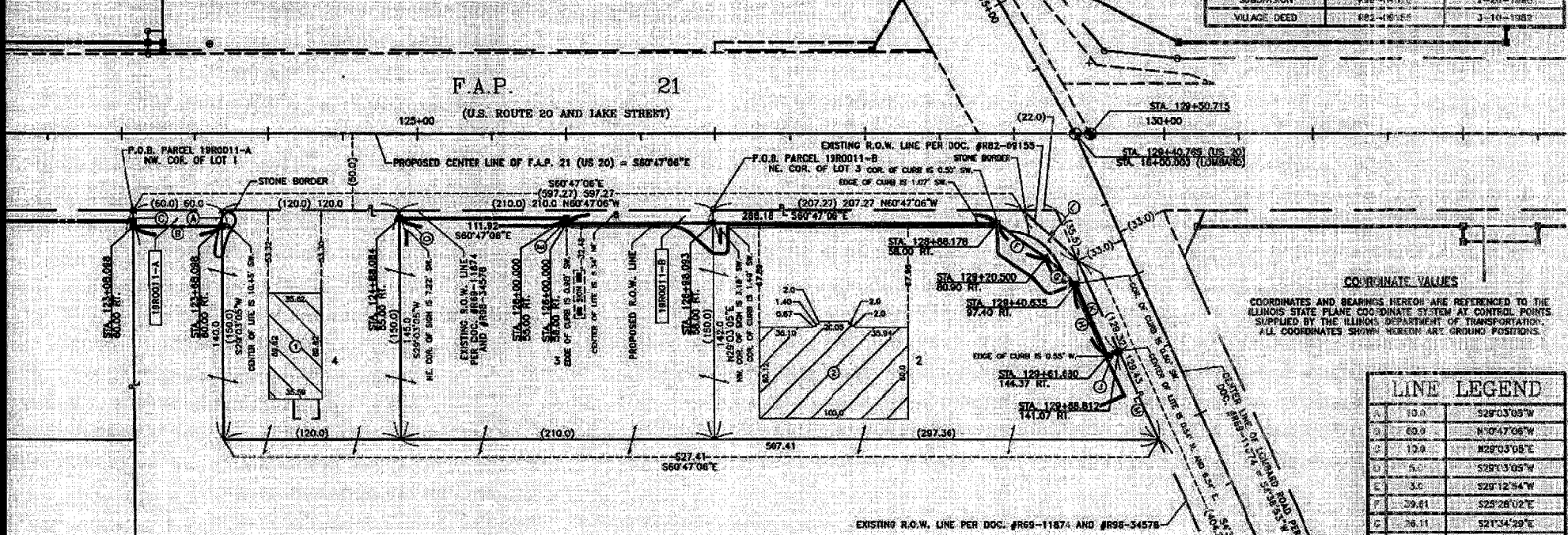
SYMBOLS:

- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- ⊙ THESE STAKES REFERENCE FOUND OR SET MONUMENTATION SET 5/8 INCH IRON ROD FLOSH WITH BROWN TO BE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ THESE STAKES IN CULTIVATED AREAS REFERENCE FOUND OR SET MONUMENTATION (EMBEDDED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE STAKE FROM STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ STAKES OF PROPOSED RIGHT-OF-WAY SET DIVISION OF HIGHWAYS SURVEY MARKER TO INDICATE THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ⊙ STAKES OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS BURNED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER I.O.D.T. STD. 2135 (TO BE SET BY OTHERS)
- ⊙ RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS
COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMING A. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE EXAMINED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 REPRODUCED MARK FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSSELLE, ILLINOIS, THIS 12th DAY OF JULY, 2004 A.D.



LINE LEGEND

LINE NO.	BEARING	DISTANCE
A	S29°03'03"W	50.0
B	N10°47'08"W	60.0
C	S28°03'08"E	17.0
D	S29°13'05"W	5.0
E	S29°12'54"W	3.0
F	S25°28'02"E	39.41
G	S21°54'29"E	26.11
H	S5°10'41"W	51.42
J	S8°21'07"E	8.1
K	N43°53'E	64.61
L	N19°29'28"W	15.83
M	N43°53'E	64.82

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
123+08.098	60.00 FT.	1623421.4447 N - 1668376.7978 E
123+86.089	60.00 FT.	1923392.1594 N - 1668428.1654 E
124+88.084	58.00 FT.	1923337.2697 N - 1668536.3287 E
125+00.000	55.00 FT.	1923283.3348 N - 1668534.0083 E
125+00.000	58.00 FT.	1923280.7194 N - 1668532.5441 E
125+98.093	58.00 FT.	1923232.8386 N - 1668716.1567 E
126+88.178	58.00 FT.	1923140.0598 N - 1668804.0645 E
129+20.500	80.90 FT.	1923104.2871 N - 1668901.0974 E
129+40.635	97.40 FT.	1923080.0125 N - 1668910.7000 E
129+40.635	144.37 FT.	1923028.7990 N - 1668906.0589 E
129+88.812	141.07 FT.	1923028.1508 N - 1668914.0325 E
129+88.812	33.00 FT.	1923165.0161 N - 1668928.2690 E
129+88.812	0.000	1923165.0161 N - 1668928.2690 E
129+88.812	0.000	1923160.1586 N - 1668928.2690 E

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

SECTION 1: DUPAGE COUNTY
PROJECT: JOB NO. R-91-005-92
STATION: 123+08.098 TO STATION: 129+50.715
SCALE: 1 INCH = 40 FEET SHEET: AB of A14

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1098

DATE	BY
7-12-04	DM
7-12-04	DM
7-12-04	DM
7-12-04	DM
7-12-04	DM

Marchese and Sons, Inc.
10 MONROE DRIVE, ROSSELLE, IL 60512
PHONE: (630) 881-8800 FAX: (630) 881-8808

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

207

TOTAL SHEETS 39
COUNTY DU PAGE
SECTION 54-R-4
F.A.U. RTE. 3537
FED. ROAD DIST. NO. 1 ILLINOIS
CONTRACT NO. 82295

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EXISTENT ACRES	REMAINER ACRES	ACQUIRED BY
19R0014	SHEWAN REAL ESTATE, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	03 - 19 - 200 - 011 03 - 19 - 200 - 012	22.370	0.230	N/A	N/A	22.140	

EXISTING R.O.W. INFORMATION		
INSTRUMENT	DOCUMENT NO.	RECORDED DATE
DEDICATION	R83-10913	2-28-1983

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

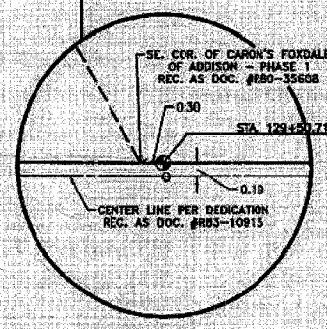
STATION	OFFSET	COORDINATES
13+00.830*	0.00'	1923459.1403 N - 1068953.0785 E
13+30.755	0.00'	1923165.0161 N - 1068958.2690 E
13+60.715	0.00'	1923160.1566 N - 1068956.9592 E
13+90.780	0.00'	1923160.3820 N - 1068951.0770 E
13+08.500	60.00' LT.	1923163.8191 N - 1068947.5235 E
13+29.000	60.00' LT.	1923076.6761 N - 1068929.2110 E
13+39.000	70.00' LT.	1923085.7090 N - 1068924.0830 E
13+49.000	61.00' LT.	1923052.6162 N - 1068928.6756 E
13+39.000	70.00' LT.	1923081.3491 N - 1068927.7475 E
13+25.000	55.00' LT.	1923028.3590 N - 1068958.2692 E
13+25.000	60.00' LT.	1923032.7654 N - 1068947.7052 E
14+25.381	65.00' LT.	1922864.6093 N - 1068932.2364 E
14+38.518	0.00'	1922861.5601 N - 1070004.6793 E

NOTE: STATION AND OFFSET SHOWN HEREON WITH AN ASTERISK "*" INDICATES STATIONING ALONG FOXDALE DRIVE (LOMBARD RD.).

LINE LEGEND	
A	60.00' N60°30'48"W
B	65.00' N54°57'22"W
C	60.72' N10°11'17"W
D	7.15' N00°19'41"W
E	163.27' S33°08'02"E
F	10.0' N28°09'24"E
G	50.0' S60°50'36"E
H	10.0' S23°09'24"W
J	5.0' S23°09'24"W
K	6.29' S6°34'21"W
L	41.79' S6°34'21"W
M	18.07' S6°34'21"W
N	15.0' S00°18'56"E

DATE	BY
7/12/04	J.M.
7/13/04	J.M.
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12/25/04	J.M.
12/26/04	J.M.
12/27/04	J.M.
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12/29/04	J.M.
12/30/04	J.M.
12/31/04	J.M.

Marchese and Sons, Inc.
10 MONACO DRIVE, ROSELLE, IL 60172
PHONE: (630) 894-8800 FAX: (630) 894-8809



STATE OF ILLINOIS
COUNTY OF DU PAGE
S.S.
THIS IS TO CERTIFY THAT DOMING J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DU PAGE 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 ROSELLE, ILLINOIS, THIS 12TH DAY OF JULY, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
MY LICENSE EXPIRES ON NOVEMBER 30, 2004

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" HIGH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- B1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" HIGH IRON ROD 20" INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIMENSION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8" HIGH IRON ROD 20" INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.G.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET
- P.K. NAIL FOUND OR SET
- 5/8" REBAR SET

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

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

SECTION: _____ DUPAGE COUNTY
PROJECT: _____ JOB NO. R-91-005-92
STATION: 129+40.765 TO STATION: 141+38.519
SCALE: 1" INCH = 50 FEET SHEET: A9 of A14

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

SHEET NO.	207
TOTAL SHEETS	208
COUNTY	DUPAGE
SECTION	19
F.A.U. RTE.	357
FED. ROAD DIST. NO.	1
ILLINOIS FED. AID. PROJECT	
CONTRACT NO.	62295

PARCEL	OWNER	PERMANENT TAX NUMBER	ACRES	AREA	REMARKS	NUMBER	ACQUIRED BY
19R0015	BIG TEN PARTNERS, LLC	03 - 11 - 208 - 052	1.338	0.162	N/A	1.377	
19R0020	LAKEVIEW PLAZA ASSOCIATES, LLC AN ILLINOIS LIMITED LIABILITY CO.	03 - 11 - 208 - 050	1.048	0.003	N/A	1.042	
19R0021	HARRIS BANK OAKBROOK TERRACE	03 - 11 - 208 - 051	1.378	0.008	N/A	1.370	

COORDINATE VALUES
 COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

LEGEND

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

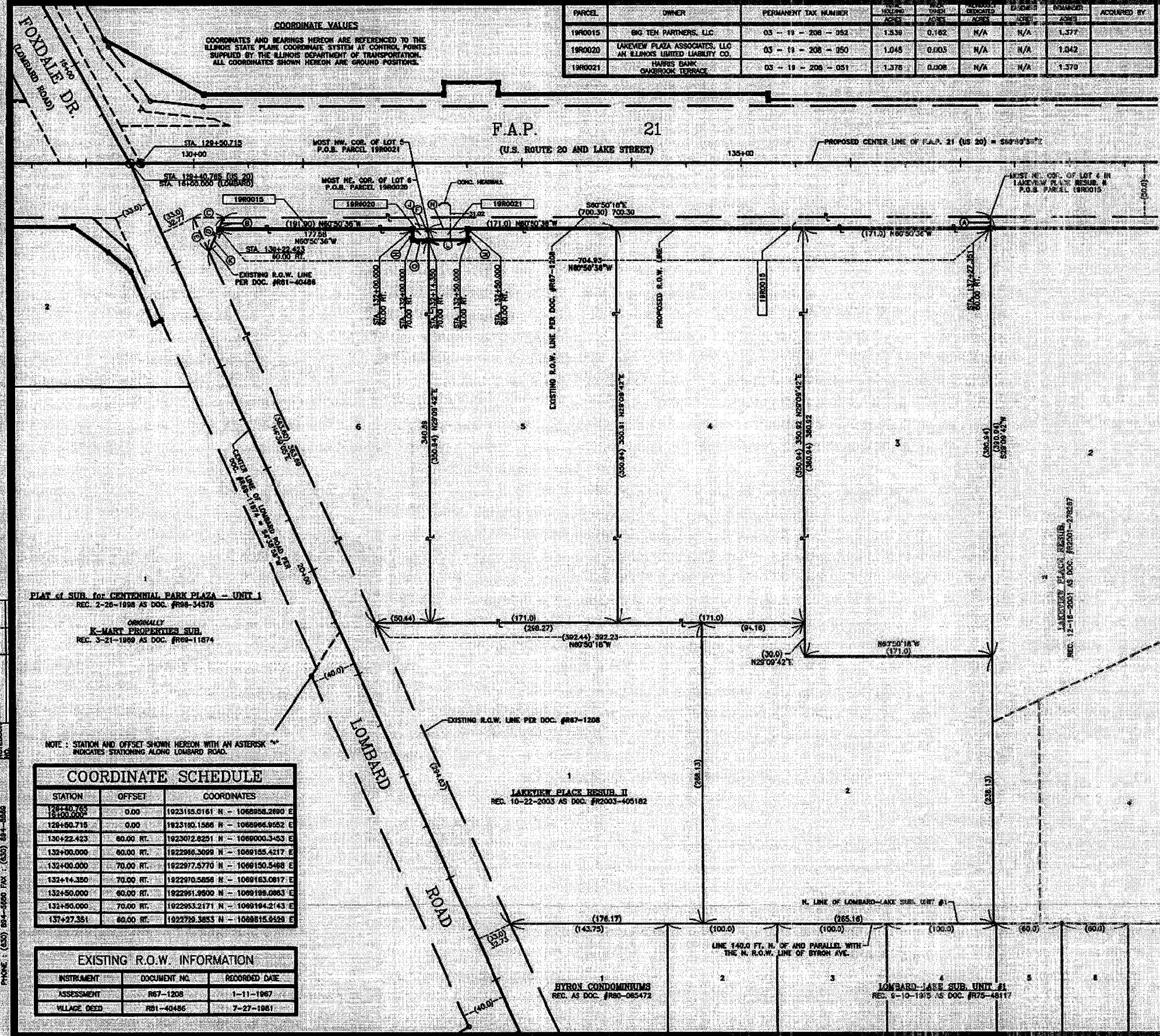
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" INCH IRON ROD PLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES IN CULTURED AREAS REFERENCE FOUND OR SET MONUMENTATION. BURIED 2" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT SHOWN IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY IN CULTURED AREAS. BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.E.G.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DONALD J. MARCHESI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD TANGENTIAL MERIDIAN, DUPAGE COUNTY, ILLINOIS. 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 REPRODUCED ACCORDING TO THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSSELLE, ILLINOIS, THIS 23RD DAY OF NOVEMBER, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2004



PLAT of SUB for CENTENNIAL PARK PLAZA - UNIT 1
 REC. 2-26-1998 AS DOC. #898-34378

ORIGINALLY
 K-MART PROPERTIES SUB.
 REC. 3-21-1999 AS DOC. #899-11874

NOTE: STATION AND OFFSET SHOWN HEREON WITH AN ASTERISK * INDICATES STATIONING ALONG LOMBARD ROAD.

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
129+40.765	0.00	1923155.0161 N - 1068950.2890 E
129+50.715	0.00	1923180.1586 N - 1068996.9052 E
130+22.423	60.00 RT.	1923072.8251 N - 1069000.3453 E
132+00.000	60.00 RT.	1922886.3099 N - 1069155.4217 E
132+00.000	70.00 RT.	1922977.5770 N - 1069150.5468 E
132+14.350	70.00 RT.	1922970.5856 N - 1069163.0817 E
132+50.000	60.00 RT.	1922951.9900 N - 1069199.0953 E
132+50.000	70.00 RT.	1922953.2171 N - 1069194.2143 E
137+27.351	60.00 RT.	1922738.3853 N - 1068815.5428 E

EXISTING R.O.W. INFORMATION

INSTRUMENT	DOCUMENT NO.	RECORDED DATE
ASSESSMENT	R67-1208	1-11-1967
VILLAGE DEED	R81-40486	7-27-1861

LINE LEGEND

LINE	BEARING	DISTANCE
A	S29°09'42"W	11.08
B	N53°51'38"E	11.08
C	S60°50'36"E	10.00
D	N53°51'38"E	10.00
E	N43°30'08"E	10.00
F	S29°09'42"W	14.35
G	N60°50'36"W	10.0
H	N29°09'24"E	14.35
J	S80°20'36"E	21.97
K	S53°51'38"W	35.68
L	S60°50'36"E	10.0
M	N29°09'24"E	35.65
N	N80°50'36"W	

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 21 (US 20)

SECTION: _____ DUPAGE COUNTY
 PROJECT: JOB NO. R-91-005-02
 STATION: 129+40.765 TO STATION: 137+27.351
 SCALE: 1" INCH = 40 FEET SHEET: A10 of A14

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1056

Marchese and Sons, Inc.
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE: (630) 844-8880 FAX: (630) 844-8880

Sections 19 & 20, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

SHEET NO.	201
TOTAL SHEETS	272
COUNTY	DUPAGE
SECTION	51-R-4
F.A.U. RTE.	337
FED. ROAD DIST. NO. T.	ILLINOIS
FED. AID. PROJECT	CONTRACT NO. 62298

LINE	DESCRIPTION
A	9.94' S29°08'42"W
B	9.93' N29°10'18"E
C	50.0' S29°09'39"W
D	50.0' N29°09'39"E

2 INCH METAL DISK "STAMPED" FND.
AT THE NE COR. OF SEC. 19-740N-R11E
MON. RECORD REC. 5-17-1979 AS DOC. #5-79-7
192406.0183 N - 106995.9244 E

COORDINATE VALUES
COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

BUILDING LEGEND

- 3 STORY BRICK/FRAME CONDOMINIUM BLDG. - STYLE 2
- 3 STORY BRICK/FRAME CONDOMINIUM BLDG. - STYLE 1
- 3 STORY CONDOMINIUM BLDG. - STYLE 2 (UNDER CONSTRUCTION)
- 3 STORY CONDOMINIUM BLDG. - STYLE 1 (UNDER CONSTRUCTION)
- 3 STORY CONDOMINIUM BLDG. - STYLE 2 (UNDER CONSTRUCTION)
- 3 STORY CONDOMINIUM BLDG. - STYLE 1 (UNDER CONSTRUCTION)
- 3 STORY BRICK/FRAME CONDOMINIUM BLDG. - STYLE 2
- 3 STORY BRICK/FRAME CONDOMINIUM BLDG. - STYLE 1

INSTRUMENT	DOCUMENT NO.	RECORDED DATE
3/6/2015	887-1208	1-11-1987

LEGEND

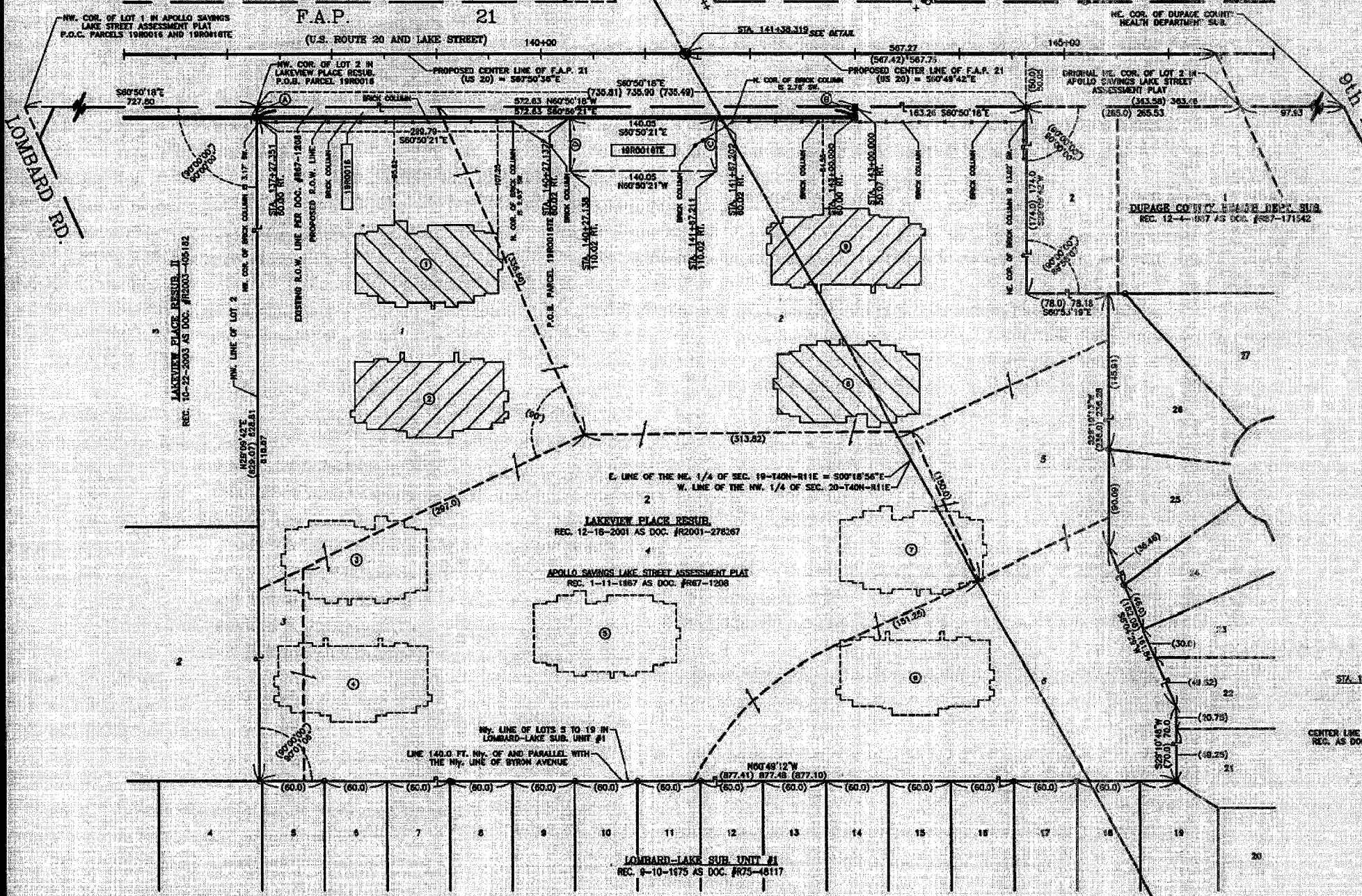
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPLICANT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EXISTENCE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDINGS
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" INCH IRON ROD FLUSH WITH GROUND TO BE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- IF THESE STAKES IN CULTIVATED AREAS REFERENCE FOUND OR SET MONUMENTATION. BURY 1/2" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- SPRING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKES OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURY 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKES PROPOSED TO BE SET

STATE OF ILLINOIS
COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINGO J. MARCHESI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 REPRODUCED; NAME FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROCKFORD, ILLINOIS, THIS 12th DAY OF JULY, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2339
MY LICENSE EXPIRES ON NOVEMBER 30, 2004

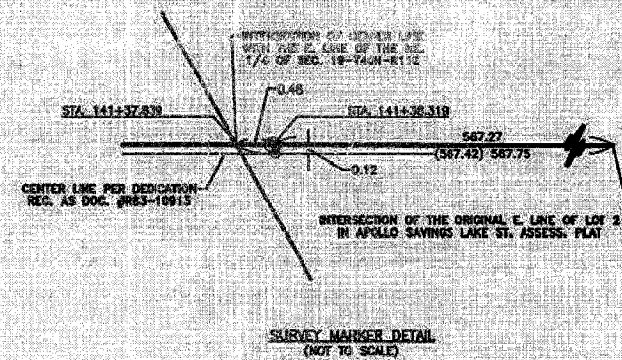


BY	DATE
DJM	7/12/04
JK	7/12/04
NO	7/12/04

Marchese and Sons, Inc.
15-08722
land - marine - construction surveys
10 MONROE DRIVE, ROSELLE, IL 60172
PHONE: (630) 884-5880 FAX: (630) 884-8888

STATION	OFFSET	COORDINATES
137+27.351	60.00 FT.	1922729.3653 N - 1069815.9328 E
141+38.319	0.00	1922581.5601 N - 1070004.0793 E
143+00.000	50.07 FT.	1922459.0305 N - 1070120.6453 E
143+00.000	60.00 FT.	1922450.3632 N - 1070116.0089 E

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA DEDICATED ACRES	PREVIOUSLY DEDICATED ACRES	EXEMPT ACRES	REMAINDER ACRES	ACQUIRED BY
18R0016	LAKEVIEW PLACE CONDOMINIUMS	03 - 19 - 208 - 046	11.652	0.131	N/A	N/A	11.521	
18R0018E	AND THE RESIDENTIAL ASSOCIATION			N/A	N/A	0.161		



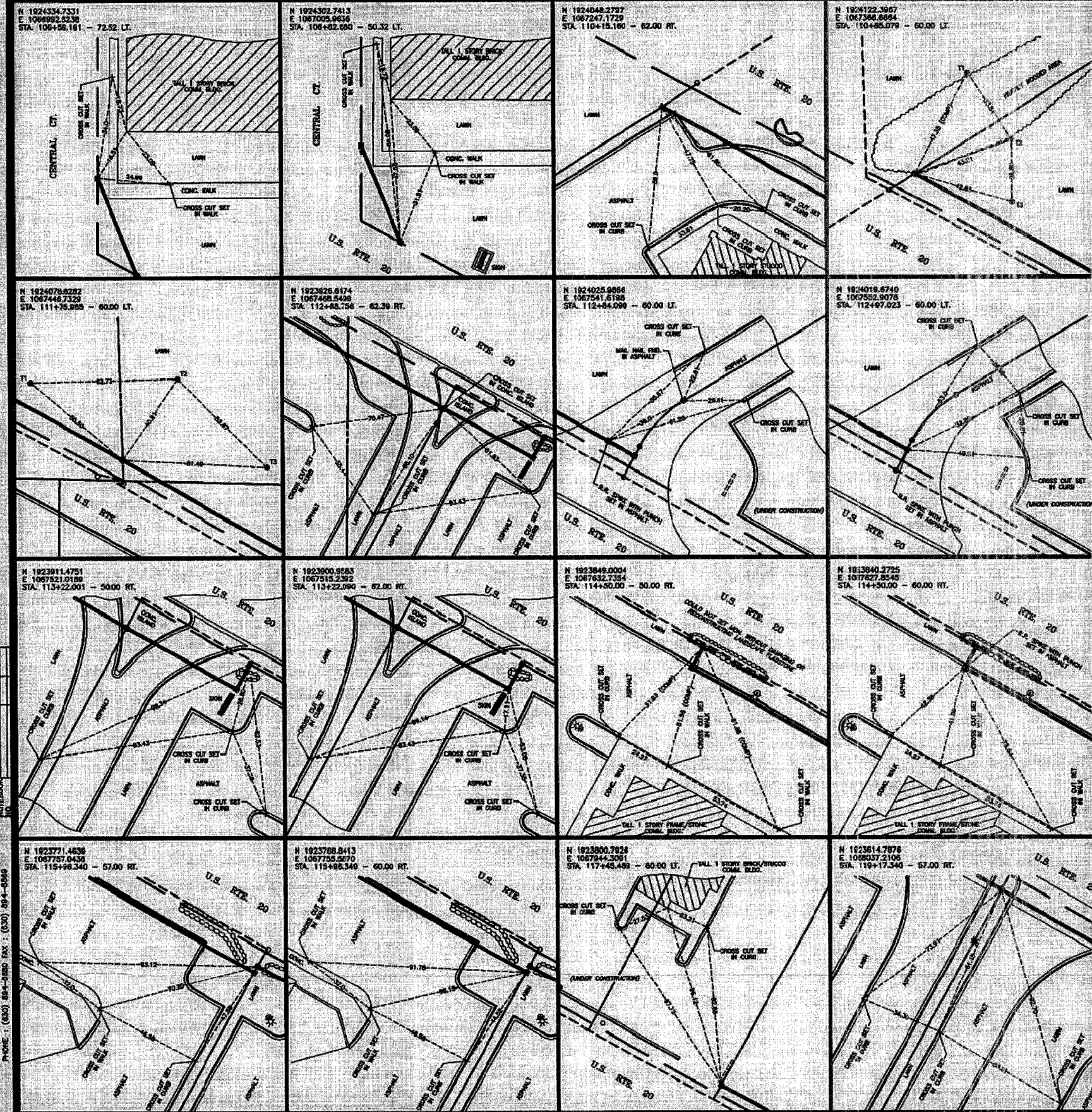
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

SECTION: DUPAGE COUNTY
PROJECT: JOB NO. R-91-005-82
STATION: 137+27.351 TO STATION: 143+00.000
SCALE: 1 INCH = 50 FEET SHEET: A11 of A14

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

Sections 18 & 19, Township 40 North, Range 11 East of the 3rd P.M. DuPage County, Illinois

SHEET NO.	210
TOTAL SHEETS	210
COUNTY	DUPAGE
SECTION	21
F.A.U. RTE.	3337
FED. ROAD DIST. NO.	1
ILLINOIS FED. AID. PROJECT	
CONTRACT NO.	82295



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- ADVERSE EASEMENT LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- 5/8" IRON ROD FOUND OR SET
- 5/8" REBAR SET

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

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

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

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

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

RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS
COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DENNIS J. MARCHESI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF EASEMENTS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 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 REINTEGRATED HEREON FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT BUS LLE, ILLINOIS, THIS 29th DAY OF JANUARY, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2135
MY LICENSE EXPIRES ON NOVEMBER 30, 2004

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

WITNESS SKETCHES
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)

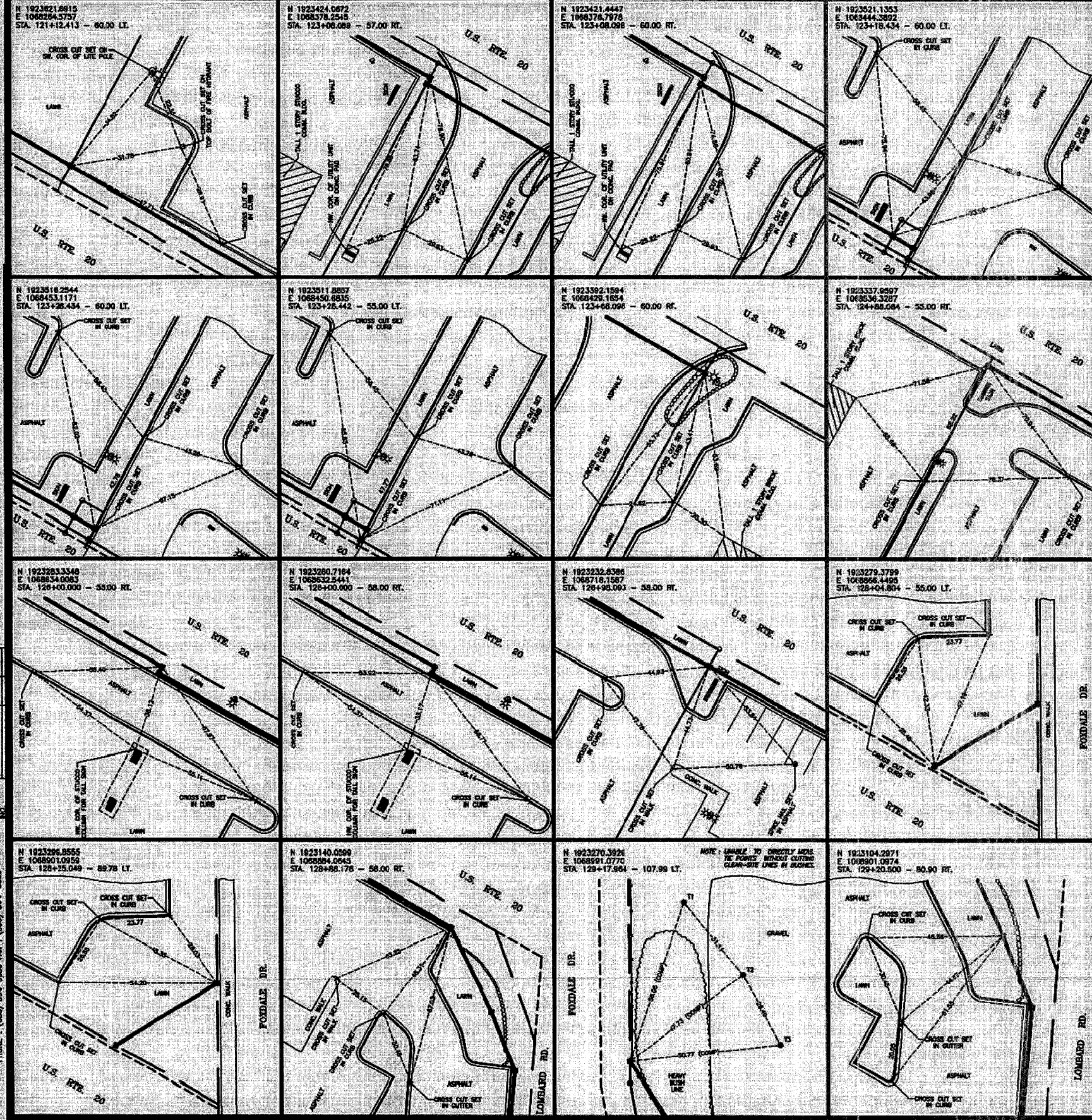
SECTION : DUPAGE COUNTY
PROJECT : JOB NO. R-81-005-02
STATION : 108+54.161 TO STATION : 118+17.540
SCALE : (NOT TO SCALE) SHEET : A12 OF A14

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

Marchese and Sons, Inc.
Surveyors
10 MONACO DRIVE, ROSELLE, IL 60172
PHONE : (833) 804-1880 FAX : (630) 394-8886

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

F.A.P. R.T.E. SECTION COUNTY TOTAL SHEET SHEETS NO. 3037 5V-R-4 DUPAGE 21 21
 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID. PROJECT CONTRACT NO. 82295



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPROVED PROPERTY LINE
- OWNER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 128.32' MEASURED DIMENSION
- 128.32' (COMP) COMPUTED DIMENSION
- (128.32') RECORD DATA
- EXISTING BUILDINGS
- IRON PIPE OR ROD FOUND
- OUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD PLUSH WITH GROUND TO ITS FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, BY CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- S STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- P PERMANENT SURVEY MARKER, I.O.D.T. STD. 2135 (TO BE SET BY OTHERS)
- Q RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS S.S.
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMING J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 18, TOWNSHIP 40 NORTH, RANGE 11 EAST, AND SECTION 20, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS. 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 REPRODUCED. WAIVE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROCK FORD, ILLINOIS, THIS 29th DAY OF JANUARY, 2004 A.D.

ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2335
 MY LICENSE EXPIRES ON NOVEMBER 30, 2004

COORDINATE VALUES

COORDINATES AND BEARINGS HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM AT CONTROL POINTS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL COORDINATES SHOWN HEREON ARE GROUND POSITIONS.

WITNESS SKETCHES
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 21 (US 20)

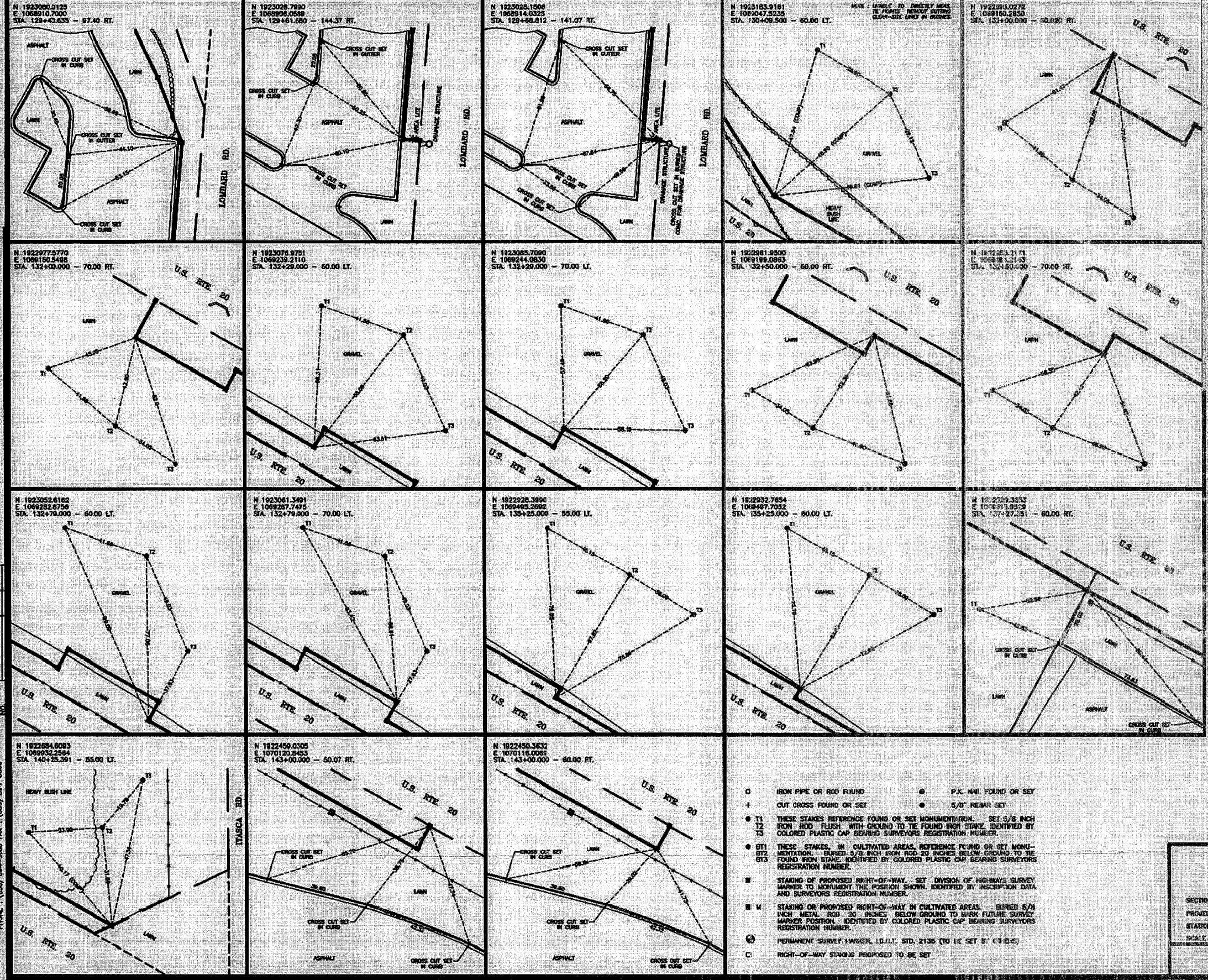
SECTION : DUPAGE COUNTY
 PROJECT : JOB NO.: R-91-005-02
 STATION : 121+12.413 TO STATION : 129+20.500
 SCALE : (NOT TO SCALE) SHEET : A13 of A14

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHLAUBURG, ILLINOIS 60196-1096

Marchese and Sons, Inc.
 1800 West 1st Street
 Lombard, Illinois 60148
 Phone: (630) 944-9900 Fax: (630) 944-9888

Section 19, Township 40 North, Range 11 East of the 3rd P.M., DuPage County, Illinois

SHEET NO.	19
TOTAL SHEETS	20
F.A.P. NO.	21
SECTION	19
COUNTY	DUPAGE
ROUTE	21
PROJECT	CONTRACT NO. 82295



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (WEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- ROADWAY DAM
- EXISTING BUILDING

COORDINATE VALUES

COORDINATES AND MEASUREMENTS ARE REFERENCED TO THE 1983 NATIONAL ADJUSTED DATUM OF TRANSPORTATION. ALL COORDINATES SHOWN ARE GROUND POSITIONS.

SECTION CORNER

QUARTER SECTION CORNER

P.O.W.	DATE
PLAT	DATE
RECORD	DATE
NOTEBOOK	DATE

Marchese and Sons, Inc.
 10 MONACO DRIVE, ROSELLE, ILL. 60172
 PHONE (630) 544-5800 FAX (630) 544-8666

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENT-IRON. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH FROM ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- W STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.O.I.T. STD. 2135 (10 1/2 SET BY 11/13/85)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET
- P.K. NAIL FOUND OR SET
- 5/8" REBAR SET

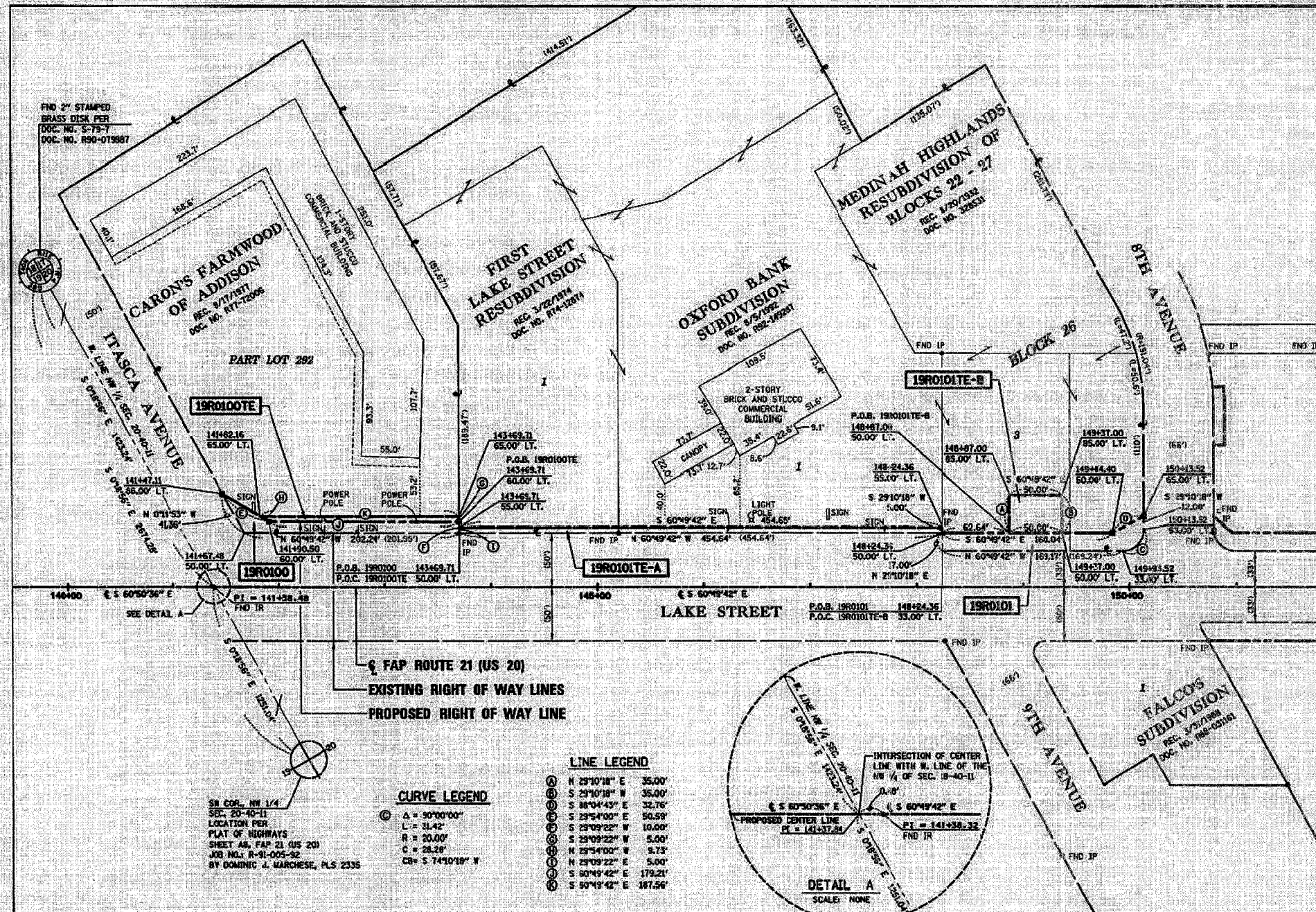
WITNESS SKETCHES
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 21 (US 20)

SECTION: _____ DUPAGE COUNTY
 PROJECT: _____ JOB NO.: R-91-005-92
 STATION: 129+40.835 TO STATION: 143+00.000
 SCALE: (NOT TO SCALE) SHEET: A-14 of A-14

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHMIDT, ILLINOIS 60196-1096

PART OF THE NW. 1/4 OF SECTION 20, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS

TOTAL SHEETS	COUNTY	DUPAGE	ILLINOIS
NO. 313	NO. 51-R-4	NO. 3537	NO. 1
NO. 313	NO. 51-R-4	NO. 3537	NO. 1
NO. 313	NO. 51-R-4	NO. 3537	NO. 1



LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY DEED LINE
- APPARENT PROPERTY LINE
- ACCESS CONTROL LINE
- MEASURED OR COMPUTED DIMENSION
- RECORD DATA
- FOUND IRON PIPE OR IRON ROD
- SET 1/4 INCH FROM ROAD
- PERMANENT SURVEY MONUMENT, L.O.C.T. STD. 2135
- (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP

BEARINGS SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE QUADRU AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COMBINED SCALE FACTOR (GROUND TO GRID) 0.9998272

- * T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 1/4 INCH IRON ROD FLUSH WITH GROUND, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- * T2 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 1/4 INCH IRON ROD 20 INCHES BELOW GROUND SURFACE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- * T3 STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- * T4 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 1/4 INCH IRON ROD 20 INCHES BELOW GROUND SURFACE TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP AND SURVEYORS REGISTRATION NUMBER.
- * T5 STAKING OF PROPOSED RIGHT OF WAY IN CLOSE PROXIMITY TO UNDERGROUND UTILITIES, SET DIVISION OF HIGHWAYS SURVEY MARKER ON 1/4 INCH IRON ROD BETWEEN 6 INCHES AND 12 INCHES IN LENGTH TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
 COUNTY OF DUPAGE) S.S.
 THIS IS TO CERTIFY THAT I, COVENTINE FEJIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 30TH DAY OF JULY, 2004.

COVENTINE FEJIS
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
 LICENSE EXPIRATION DATE 11/30/2004

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MONUMENT SURVEY STANDARDS.

ASC
 American Surveying Consultants
 841 N. Coland Avenue / Dixon, IL 61021 / 815-288-6231
 6035 N. Northwest Highway / Chicago, IL 60631 / 773-763-1387
 Illinois Professional Design Firm No. 184-003192

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 21 (US 20)
 LAKE STREET

SECTION DUPAGE COUNTY
 PROJECT JOB NO. R-91-005-92
 STATION 141+47 TO STATION 150+14
 SCALE 1" = 50' SHEET B1

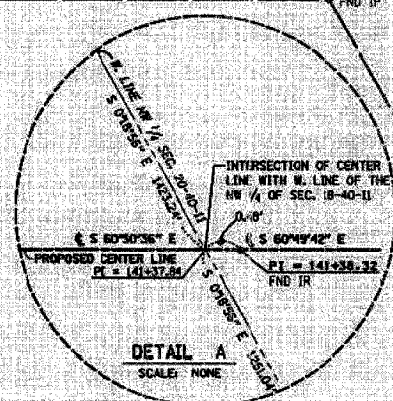
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

LINE LEGEND

①	N 29°10'18" E	35.00'
②	S 29°10'18" W	35.00'
③	S 89°04'43" E	32.76'
④	S 29°04'00" E	50.59'
⑤	S 29°09'22" W	10.00'
⑥	S 29°09'22" W	5.00'
⑦	N 29°04'00" E	9.73'
⑧	N 29°09'22" E	5.00'
⑨	S 80°49'42" E	179.21'
⑩	S 80°49'42" E	187.56'

CURVE LEGEND

⊙	Δ = 90°00'00"
⊙	L = 31.42'
⊙	R = 20.00'
⊙	C = 28.28'
⊙	CB = S 74°10'18" W

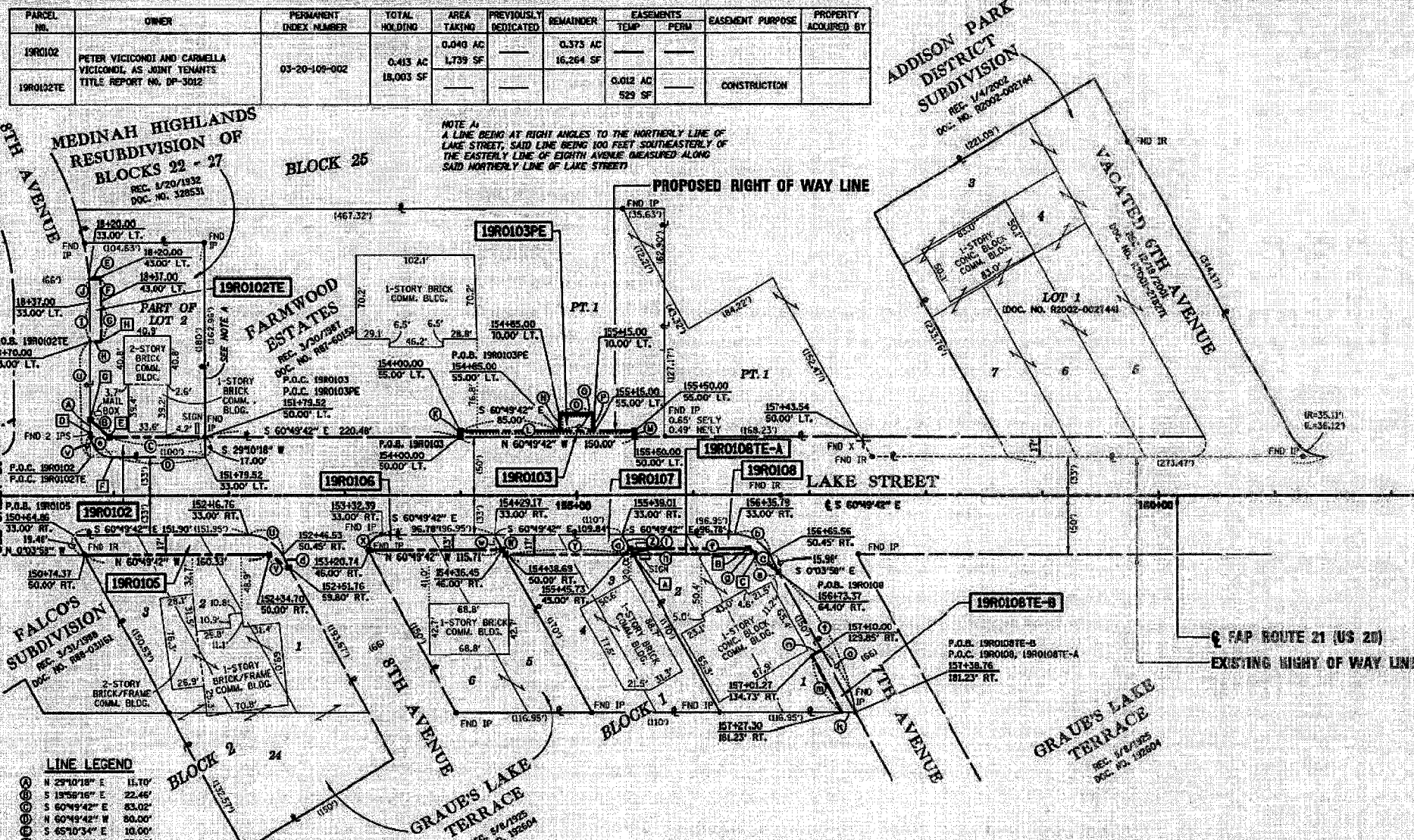


PARCEL NO.	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING	AREA TAKING	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
19R0100	HARRIS BANK OF ROSELLE, TRUSTEE, TRUST #12153	03-20-187-005	2.465 AC	2,424 SF	—	2.409 AC	—	—	—	—
19R0100TE	TITLE REPORT NO. DP-2994	—	107,386 SF	—	—	—	0.021 AC	917 SF	CONSTRUCTION	—
19R0101	ADDISON STATE BANK N/A/O	03-20-187-003	6.285 AC	3,348 SF	—	6.208 AC	—	—	—	—
19R0101TE-A	OXFORD BANK AND TRUST	03-20-187-008	—	—	—	—	0.052 AC	2,273 SF	CONSTRUCTION	—
19R0101TE-B	TITLE REPORT NO. DP-2995, DP-2996, DP-3005, DP-2980	03-20-187-009 03-20-188-002 03-20-188-005	273,756 SF	—	—	—	0.040 AC	1,750 SF	CONSTRUCTION	—

CALCULATIONS BY: J. DYBAS DRAFTING BY: W. BARAN CHECKED BY: C. FEJIS REVISION DATA ASC JOB NO. 202011

PART OF THE SE. 1/4 OF SECTION 20, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS

TOTAL SHEET NO.	214
COUNTY	DUPAGE
SECTION	59-R-4
F.A.U. RTE.	9307
FED. ROAD DIST. NO.	111
FED. AID PROJECT CONTRACT NO.	82929



PARCEL NO.	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING	AREA TAKING	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
19R0102	PETER VICICOMI AND CARMELLA VICICOMI, AS JOINT TENANTS	03-20-109-002	0.413 AC 18,003 SF	0.040 AC 1,739 SF	—	0.373 AC 16,264 SF	—	—	—	—
19R0102TE							0.012 AC 529 SF	—	CONSTRUCTION	—

LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY USED LINE
- APPARENT PROPERTY LINE
- ACCESS CONTROL LINE
- MEASURED OR COMPUTED DIMENSION
- PROBOD DATA
- FOUND IRON PIPE OR IRON ROD SET 1/4 INCH FROM ROD
- PERMANENT SURVEY MARKER, I.L.O.T. STU. 2155
- (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP

BEARINGS SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE (NAD83) AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COMBINED SCALE FACTOR (GROUND TO GRID): 0.99998274

LINE LEGEND

11.70'	N 29°10'18" E
22.46'	S 19°58'18" E
83.02'	S 60°49'42" E
80.00'	N 60°49'42" W
10.00'	S 65°10'34" E
33.00'	S 29°10'18" W
10.00'	N 60°49'42" E
33.00'	N 29°10'18" E
5.00'	N 29°10'18" E
150.00'	S 60°49'42" E
5.00'	S 29°10'18" W
15.00'	N 29°10'18" E
30.00'	S 60°49'42" E
19.67'	N 30°57'03" W
19.48'	S 07°03'58" E
108.84'	N 60°49'42" W
13.78'	N 07°03'58" E
18.48'	S 07°03'58" E
32.17'	N 23°44'42" W
16.71'	S 07°03'58" E
101.97'	N 60°49'42" W
8.29'	S 23°44'42" E
104.79'	N 60°49'42" W
6.79'	N 07°03'58" E
31.66'	N 60°49'42" W
53.28'	N 07°03'58" E
10.00'	N 89°56'02" E
58.88'	S 07°03'58" E
23.88'	N 23°44'42" W
133.89'	N 07°03'58" E
97.00'	N 29°10'18" E
20.00'	N 29°10'18" E
14.30'	S 07°03'58" E

STATION/OFFSET LEGEND

155+48.53	50.00' RT.
156+41.70	45.00' RT.
156+54.32	50.00' RT. P.O.B. 19R0108TE-A
150+73.52	53.00' LT. P.O.B. 19R0102
150+96.50	50.00' LT.
150+99.52	33.00' LT.
150+79.52	64.00' LT.
18+70.00	43.00' LT.

CURVE LEGEND

Δ = 420°51'	Δ = 98°44'32"
L = 20.28'	L = 15.70'
R = 287.04'	R = 11.73'
C = 20.26'	C = 17.46'
CB = S 26°53'52" W	CB = N 71°03'02" E
Δ = 420°51'	Δ = 60°45'45"
L = 19.50'	L = 36.18'
R = 257.04'	R = 34.11'
C = 19.50'	C = 34.51'
CB = N 26°53'52" E	CB = S 30°26'50" E
Δ = 60°45'45"	Δ = 90°00'00"
L = 35.18'	L = 31.42'
R = 34.11'	R = 29.00'
C = 34.51'	C = 28.26'
CB = S 30°26'50" E	CB = N 15°49'42" W

PARCEL NO.	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING	AREA TAKING	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
19R0103	WESTERN NATIONAL BANK AND TRUST, TRUSTEE, TRUST #3642	03-20-109-039	2.149 AC	0.017 AC 750 SF	—	2.132 AC 92,843 SF	—	—	—	—
19R0103PE			93,583 SF	—	—	—	0.010 AC 450 SF	—	—	—
19R0105	OXFORD BANK AND TRUST, TRUSTEE, TRUST #238	03-20-112-004	0.881 AC	0.067 AC 2,914 SF	—	0.814 AC 35,118 SF	—	—	—	—
19R0106	DON NAVIGATO AND CAROL NAVIGATO, HUSBAND AND WIFE IN JOINT TENANCY	03-20-113-001	0.355 AC	0.033 AC 1,428 SF	—	0.322 AC 15,791 SF	—	—	—	—
19R0107	ROBERT H. WOLAN AND LINNEA G. WOLAN, HUSBAND AND WIFE IN JOINT TENANCY	03-20-113-015	0.314 AC	0.043 AC 1,867 SF	—	0.271 AC 14,105 SF	—	—	—	—
19R0108	KENNETH PHILLIPS AND NANCY PHILLIPS, HUSBAND AND WIFE IN JOINT TENANCY	03-20-113-014	0.355 AC	0.034 AC 1,480 SF	—	0.321 AC 13,765 SF	—	—	—	—
19R0108TE-A			17,245 SF	—	—	—	0.012 AC 519 SF	—	CONSTRUCTION	—
19R0108TE-B			—	—	—	—	0.013 AC 561 SF	—	CONSTRUCTION	—

- * T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 1/4 INCH IRON ROD FLUSH WITH GROUND, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- * BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 1/4 INCH IRON ROD 20 INCHES BELOW GROUND SURFACE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- * STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- * STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 1/4 INCH IRON ROD 20 INCHES BELOW GROUND SURFACE TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP AND SURVEYORS REGISTRATION NUMBER.
- * STAKING OF PROPOSED RIGHT OF WAY IN CLOSE PROXIMITY TO UNDERGROUND UTILITIES, SET DIVISION OF HIGHWAYS SURVEY MARKER ON 1/4 INCH IRON ROD BETWEEN 6 INCHES AND 12 INCHES IN LENGTH TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
I, S.C.
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, CONVENTINE FIRIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DUPAGE COUNTY, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 14TH DAY OF DECEMBER, 2004.



CONVENTINE FIRIS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
LICENSE EXPIRATION DATE 11/30/2006

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS SURVEY STANDARDS.

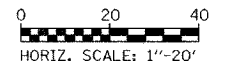
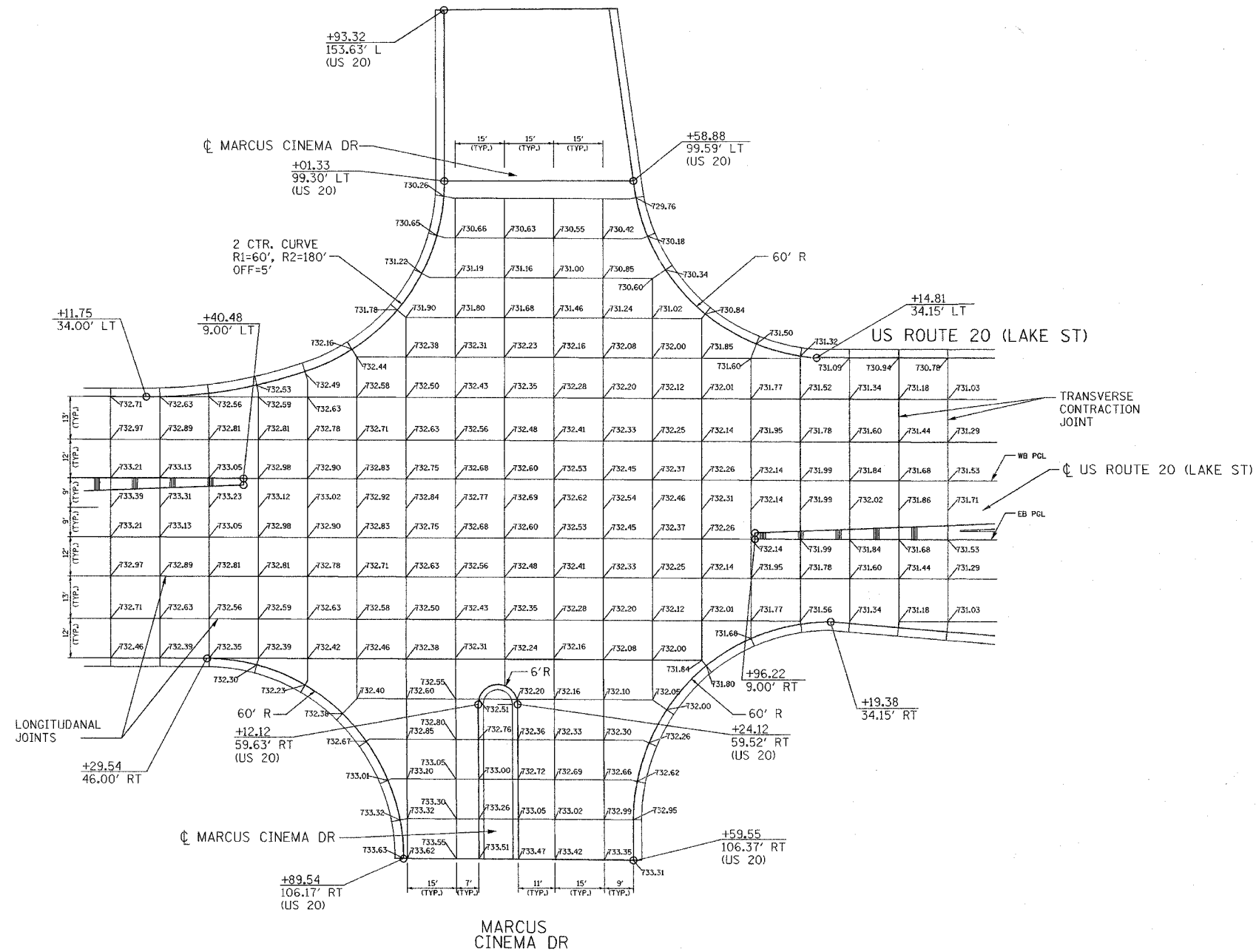
ASC
American Surveying Consultants
841 N. Goland Avenue / Dixon, IL 61021 / 815-288-6231
6035 N. Northwest Highway / Chicago, IL 60631 / 773-763-1387
Illinois Professional Design Firm No. 184-003192

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 21 (US 20)
LAKE STREET

SECTION	DUPAGE COUNTY
PROJECT	JOB NO. R-91-005-92
STATION 15+84	TO STATION 160+40
SCALE 1" = 50'	SHEET B2

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

F.A.P. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
21	57-R-4	DUPAGE	347	210
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 62295



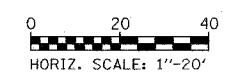
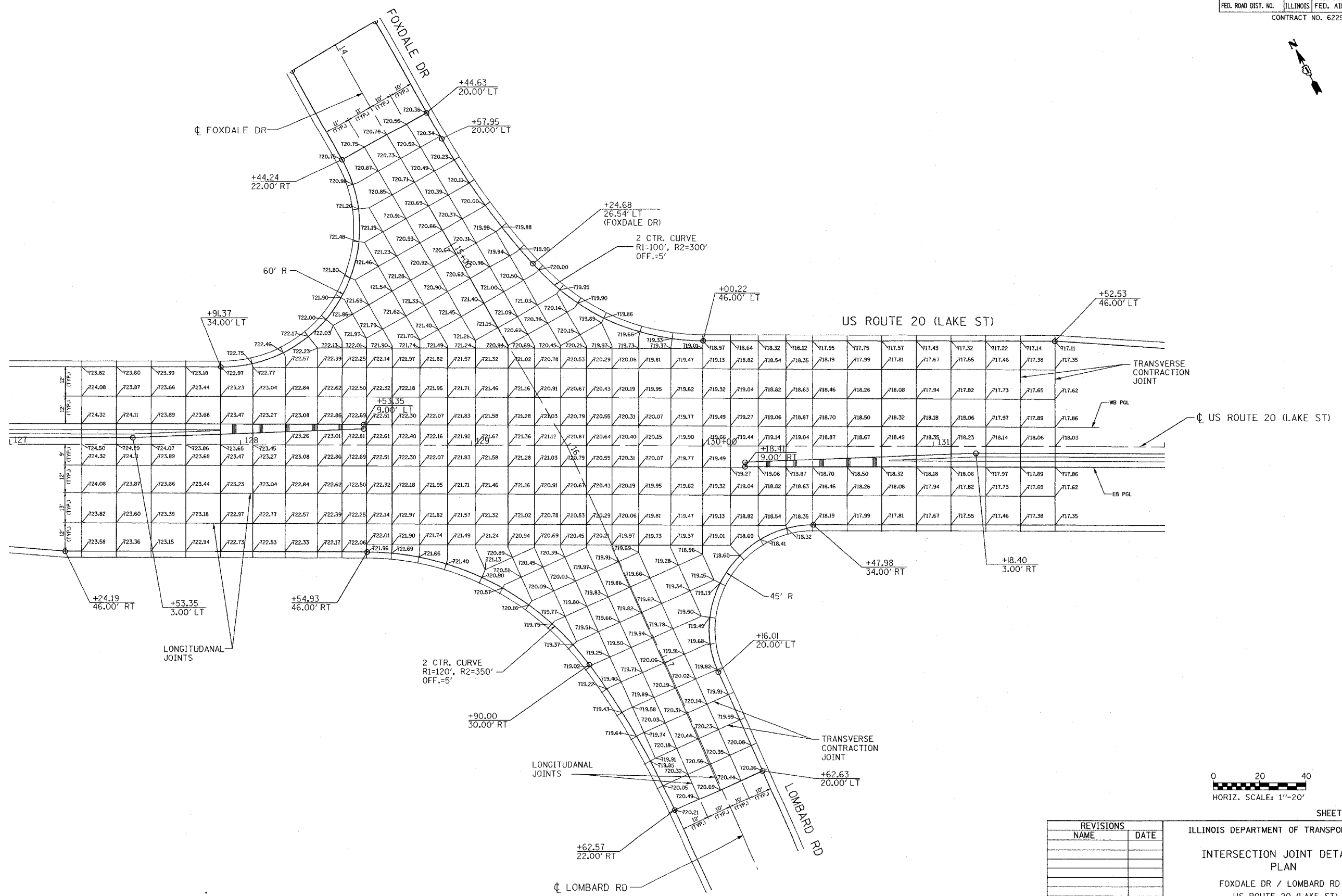
SHEET 1 OF 5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 INTERSECTION JOINT DETAIL
 PLAN
 MARCUS CINEMA DR &
 US ROUTE 20 (LAKE ST)
 SCALE: 1"=20'
 DATE: 03/01/05
 DRAWN BY: KDH/ SR
 CHECKED BY: JJ

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	57-R-4	DUPAGE	397	217
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 62295



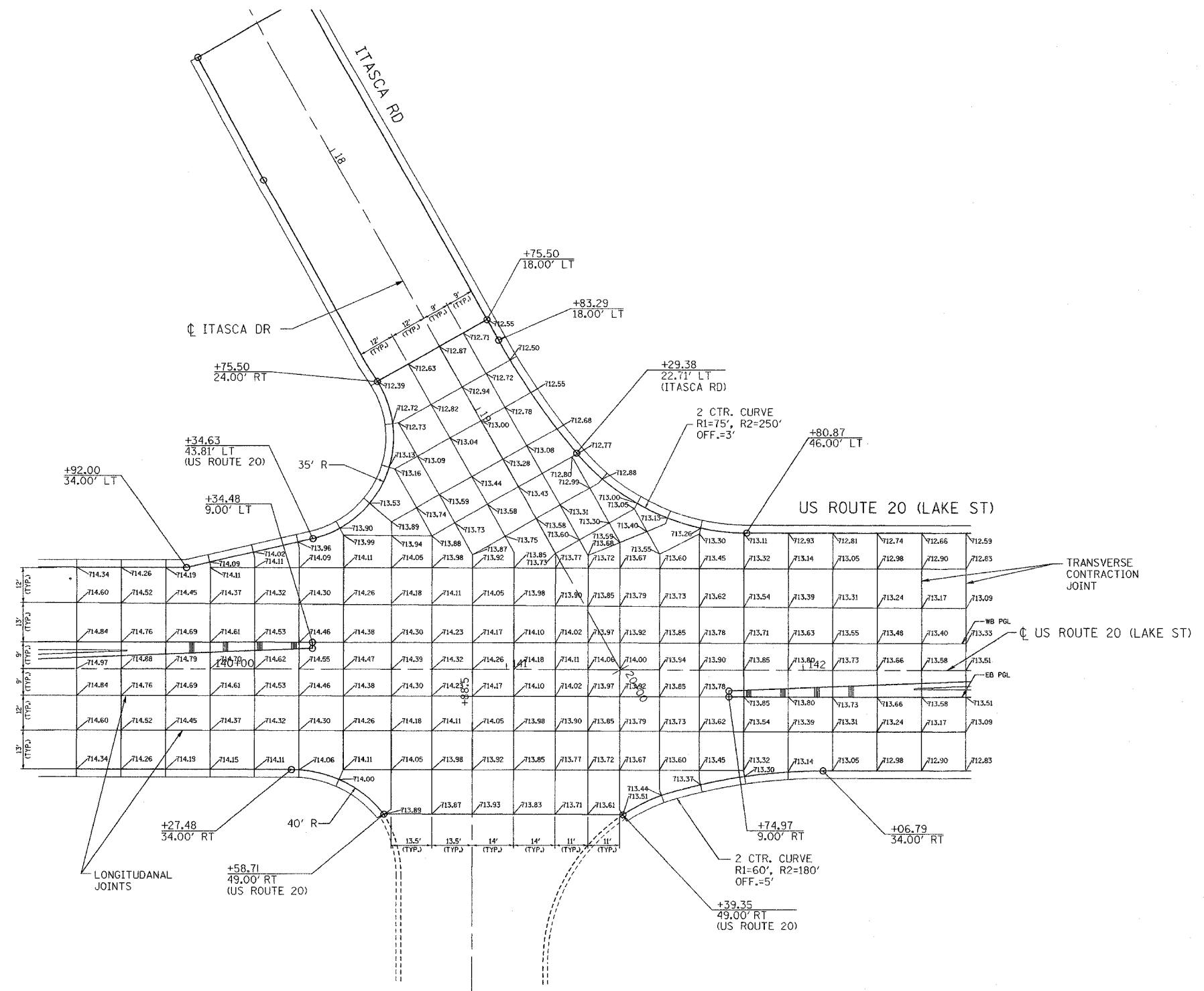
SHEET 2 OF 5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 INTERSECTION JOINT DETAIL PLAN
 FOXDALE DR / LOMBARD RD &
 US ROUTE 20 (LAKE ST)
 SCALE: 1"=20'
 DATE: 03/01/05
 DRAWN BY: KD/H SR
 CHECKED BY: JJ

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	54-R-4	DUPAGE	21	218
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				



SHEET 3 OF 5

REVISIONS	
NAME	DATE

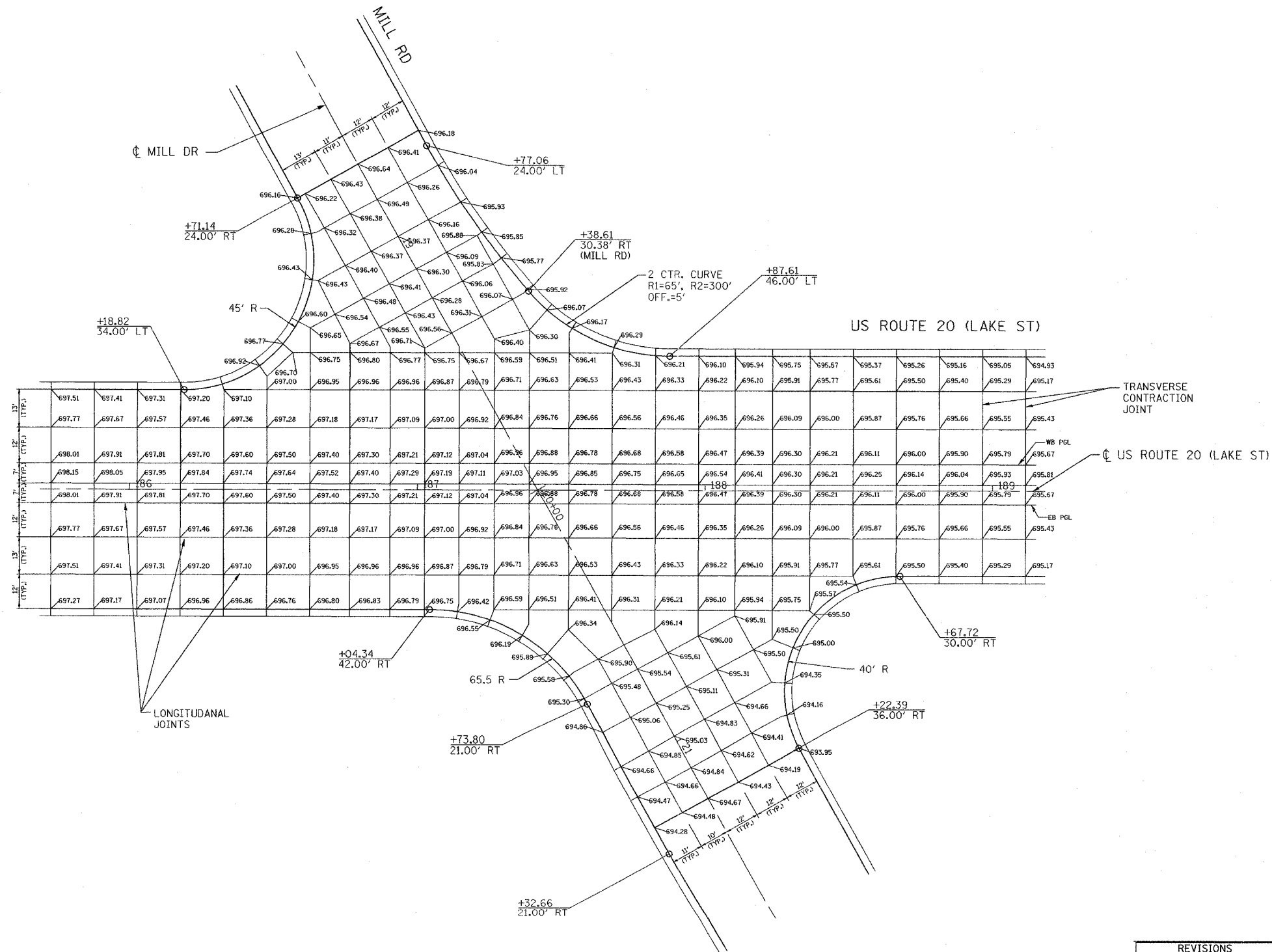
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION JOINT DETAIL PLAN
 ITASCA RD &
 US ROUTE 20 (LAKE ST)

SCALE: 1"=20'
 DATE: 03/01/05

DRAWN BY: KDH/ SR
 CHECKED BY: JJ

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	57-R-4	DUPAGE	39	219
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 62295				

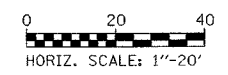
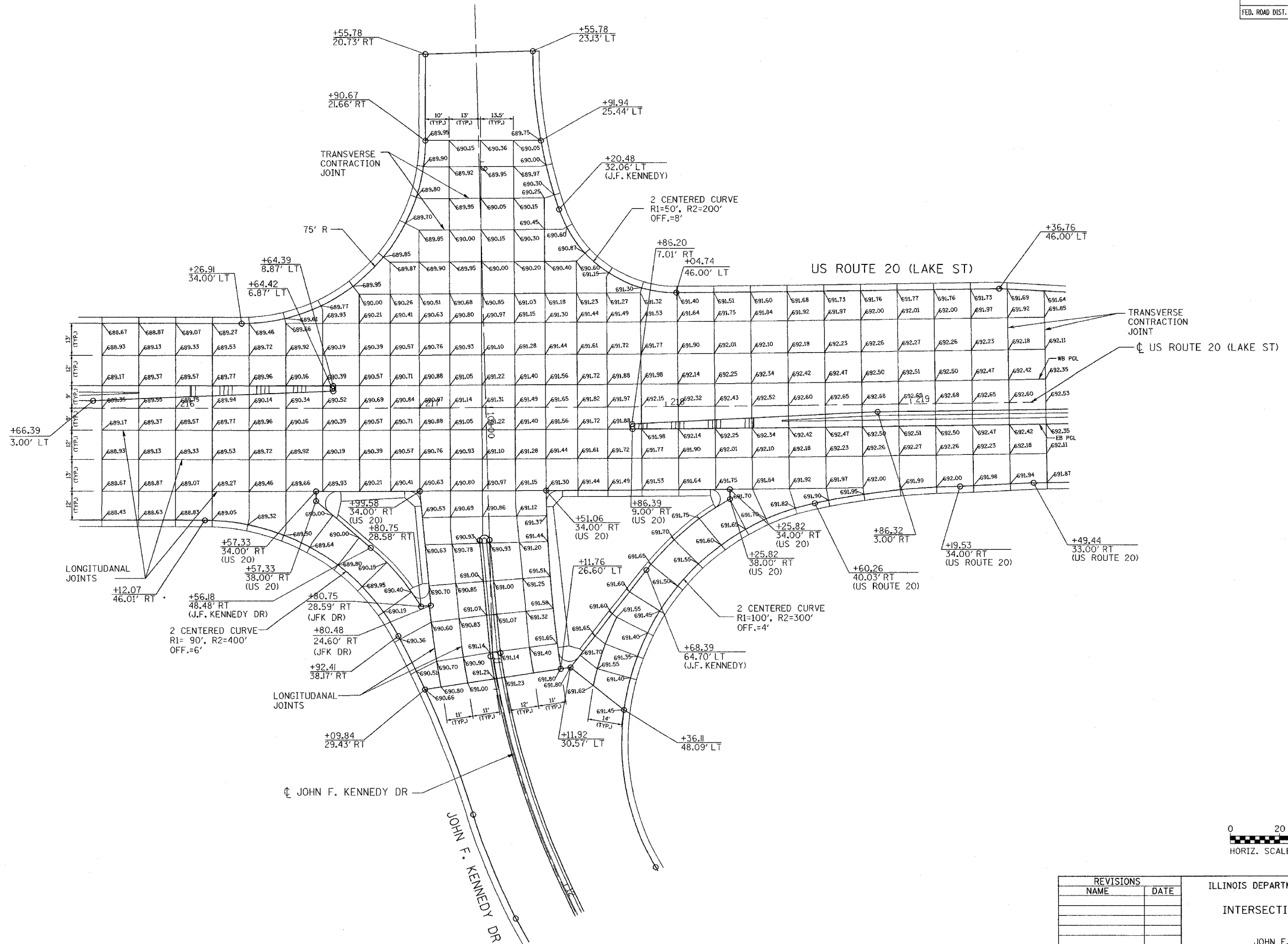


SHEET 4 OF 5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 INTERSECTION JOINT DETAIL
 PLAN
 MILL RD &
 US ROUTE 20 (LAKE ST)
 SCALE: 1"=20'
 DATE: 03/01/05
 DRAWN BY: KDH/ SR
 CHECKED BY: JJ

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SHEET 5 OF 5

REVISIONS	
NAME	DATE

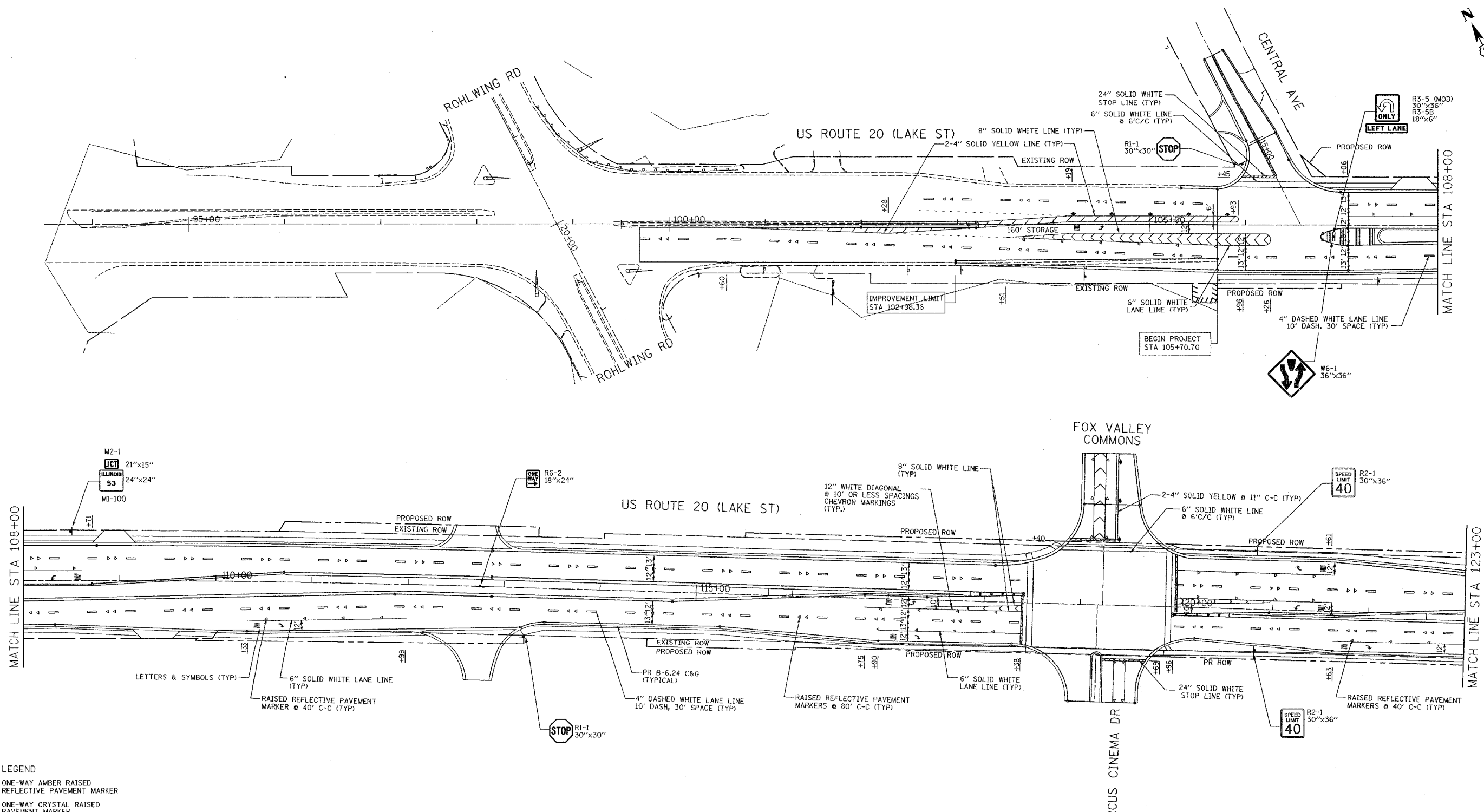
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION JOINT DETAIL PLAN
 JOHN F. KENNEDY DR &
 US ROUTE 20 (LAKE ST)

SCALE: 1"=20'
 DATE: 03/01/05

DRAWN BY: KDH/ SR
 CHECKED BY: JJ

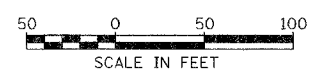
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	797	221
STA 105+70.70		TO STA 123+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62295				



- LEGEND**
- ▶ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
 - ▶ ONE-WAY CRYSTAL RAISED PAVEMENT MARKER
 - ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER

- NOTE:**
1. DUAL REFLECTIVE PAVEMENT MARKERS ARE TO BE USED.
 2. FINAL PAVEMENT MARKINGS ON CONCRETE AND BITUMINOUS SURFACES SHALL BE POLYUREA PAVEMENT MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS RESPECTIVELY.
 3. REPLACE ALL PAVEMENT MARKINGS REMOVED DURING STAGING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN

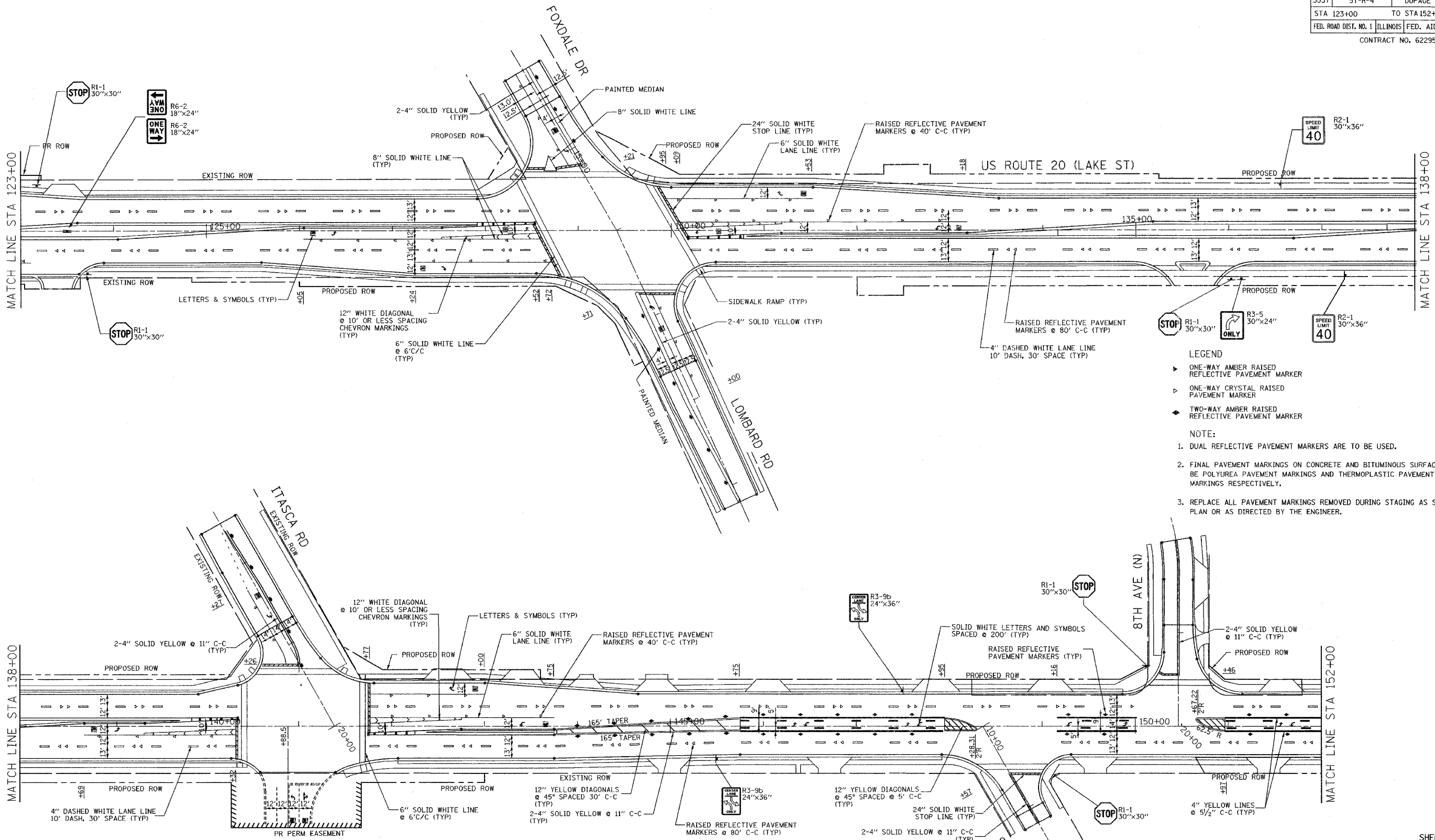
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DRAWN BY: ALS
CHECKED BY: SR

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	287	227
STA 123+00		TO STA 152+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62295				



- LEGEND**
- ▶ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
 - ▷ ONE-WAY CRYSTAL RAISED PAVEMENT MARKER
 - ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER

- NOTE:**
1. DUAL REFLECTIVE PAVEMENT MARKERS ARE TO BE USED.
 2. FINAL PAVEMENT MARKINGS ON CONCRETE AND BITUMINOUS SURFACES SHALL BE POLYUREA PAVEMENT MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS RESPECTIVELY.
 3. REPLACE ALL PAVEMENT MARKINGS REMOVED DURING STAGING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN

US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'

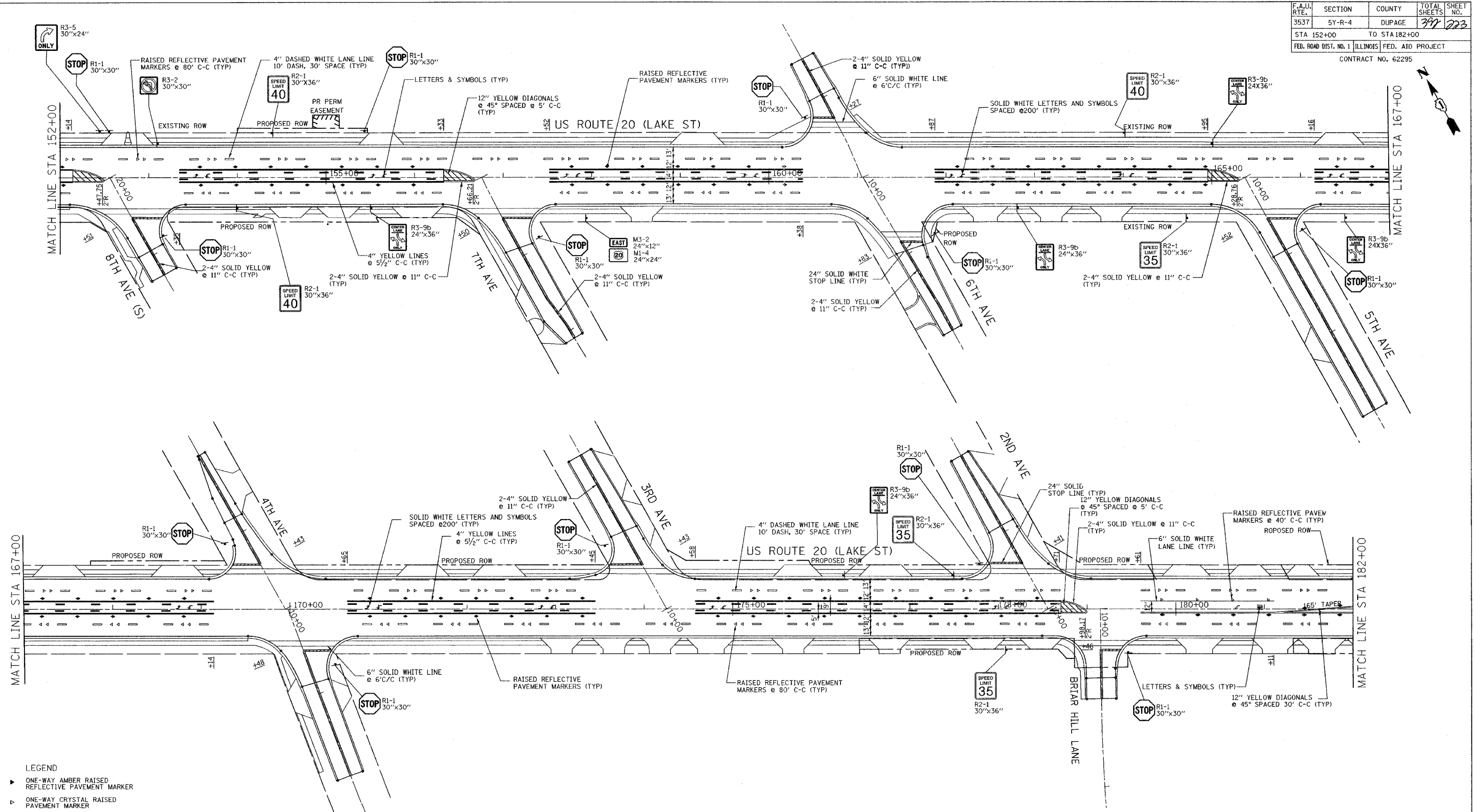
DATE: 03/01/05

DRAWN BY: ALS
CHECKED BY: SR



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	39	223
STA 152+00		TO STA 182+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62295				

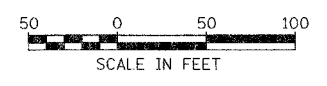


LEGEND

- ▶ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
- ▾ ONE-WAY CRYSTAL RAISED PAVEMENT MARKER
- ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER

NOTE:

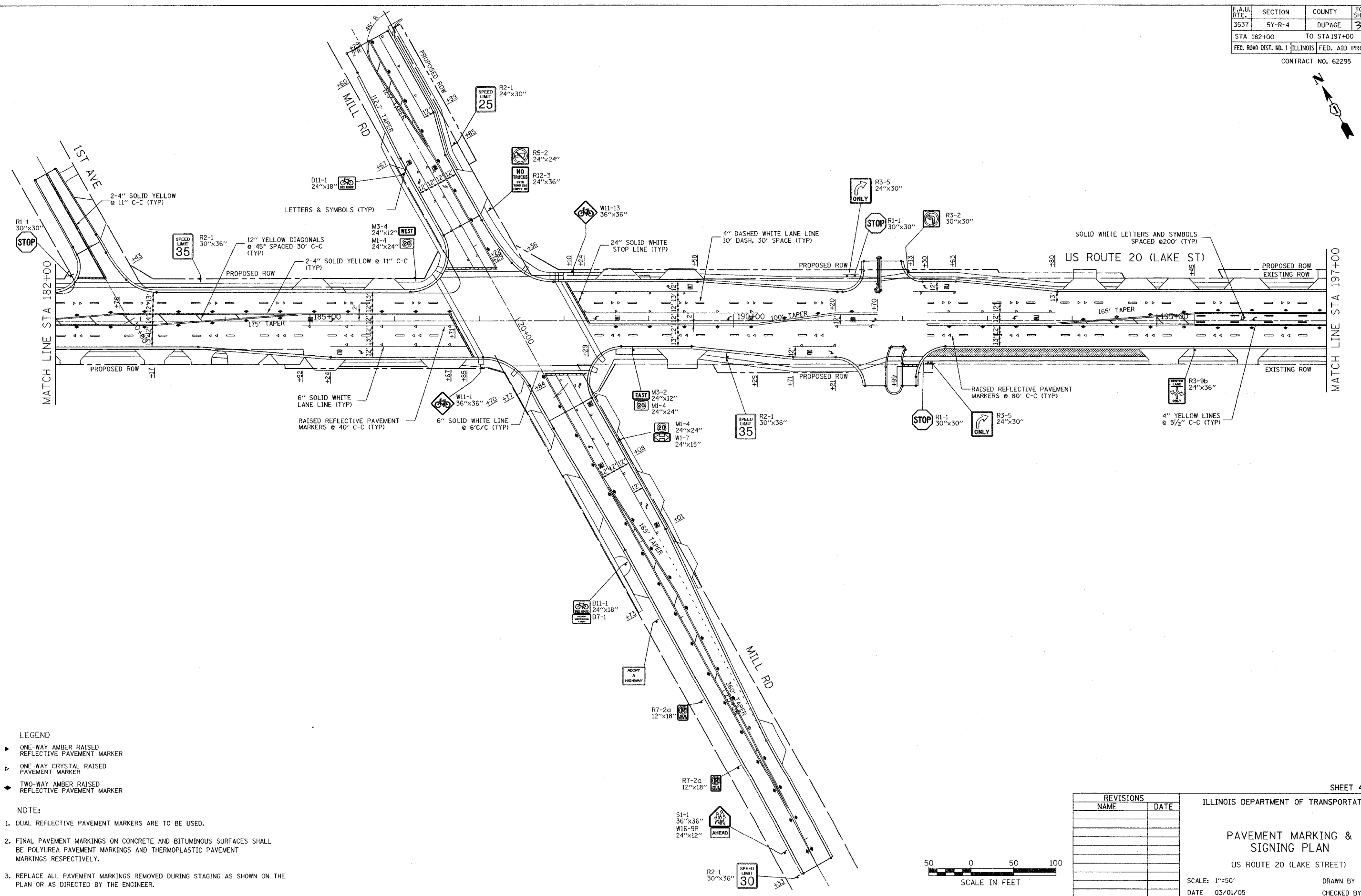
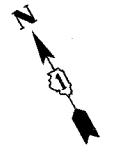
1. DUAL REFLECTIVE PAVEMENT MARKERS ARE TO BE USED.
2. FINAL PAVEMENT MARKINGS ON CONCRETE AND BITUMINOUS SURFACES SHALL BE POLYUREA PAVEMENT MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS RESPECTIVELY.
3. REPLACE ALL PAVEMENT MARKINGS REMOVED DURING STAGING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING & SIGNING PLAN US ROUTE 20 (LAKE STREET) SCALE: 1"=50' DATE: 03/01/05 DRAWN BY: ALS CHECKED BY: SR

SHEET 3 OF 6

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LEGEND

- ▶ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
- ▷ ONE-WAY CRYSTAL RAISED PAVEMENT MARKER
- ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER

NOTE:

1. DUAL REFLECTIVE PAVEMENT MARKERS ARE TO BE USED.
2. FINAL PAVEMENT MARKINGS ON CONCRETE AND BITUMINOUS SURFACES SHALL BE POLYUREA PAVEMENT MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS RESPECTIVELY.
3. REPLACE ALL PAVEMENT MARKINGS REMOVED DURING STAGING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

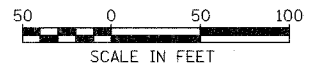
PAVEMENT MARKING & SIGNING PLAN

US ROUTE 20 (LAKE STREET)

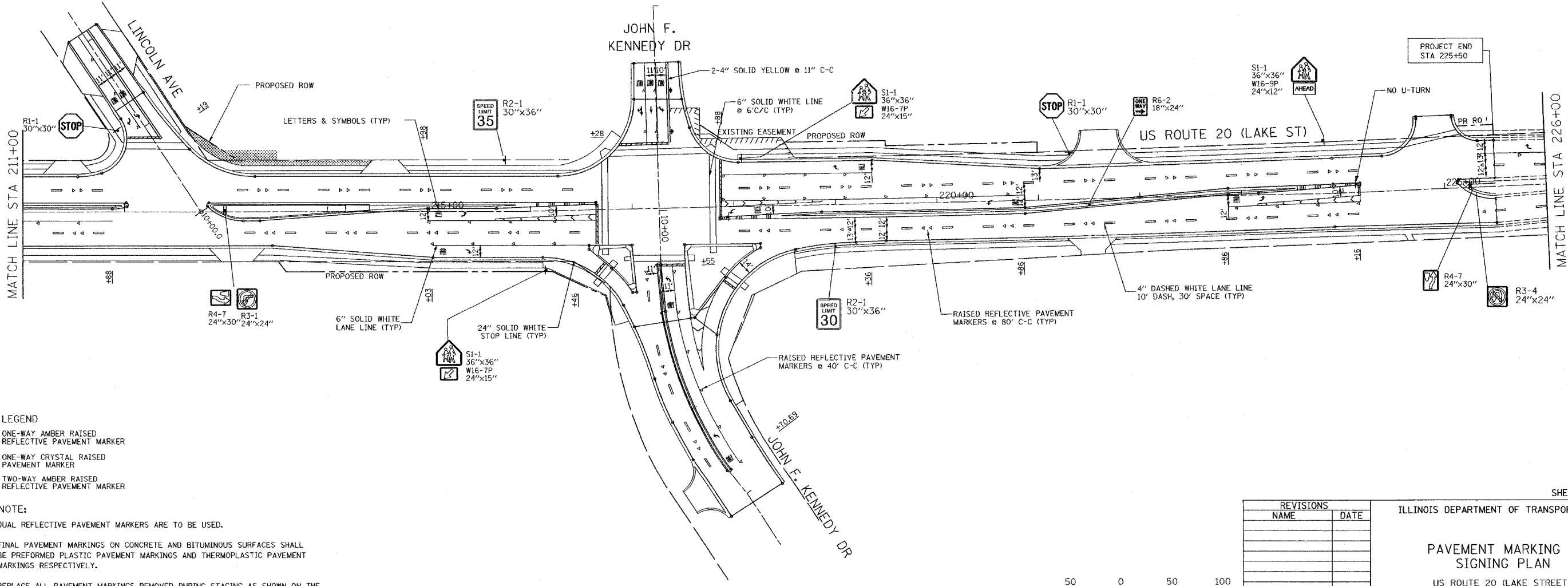
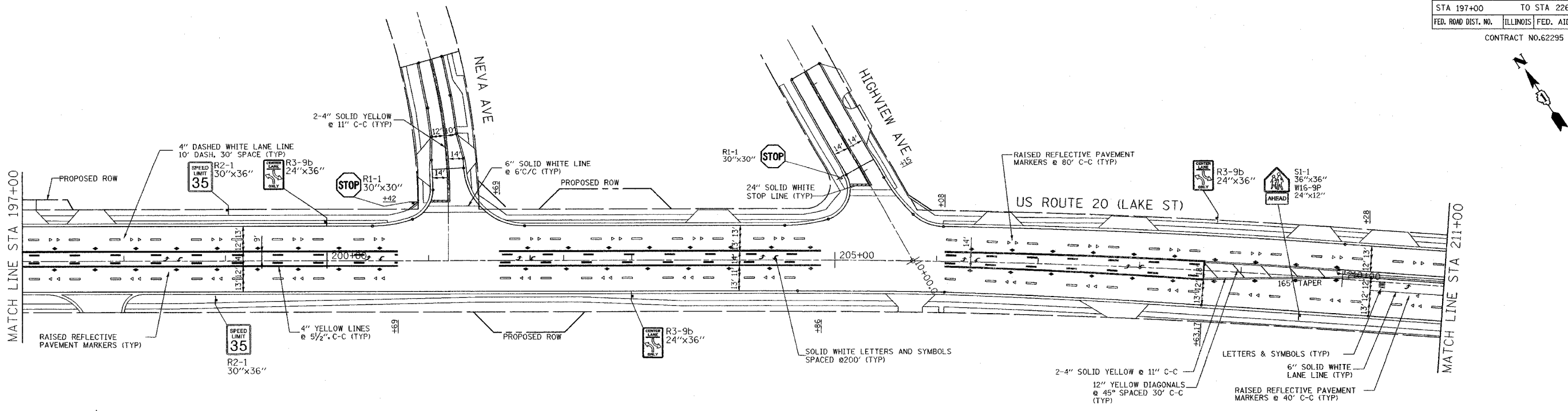
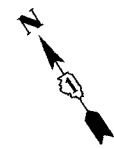
SCALE: 1"=50'

DATE: 03/01/05

DRAWN BY: ALS
CHECKED BY: SR



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- LEGEND**
- ▶ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
 - ▷ ONE-WAY CRYSTAL RAISED PAVEMENT MARKER
 - ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER

- NOTE:**
1. DUAL REFLECTIVE PAVEMENT MARKERS ARE TO BE USED.
 2. FINAL PAVEMENT MARKINGS ON CONCRETE AND BITUMINOUS SURFACES SHALL BE PERFORMED PLASTIC PAVEMENT MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS RESPECTIVELY.
 3. REPLACE ALL PAVEMENT MARKINGS REMOVED DURING STAGING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN

US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'

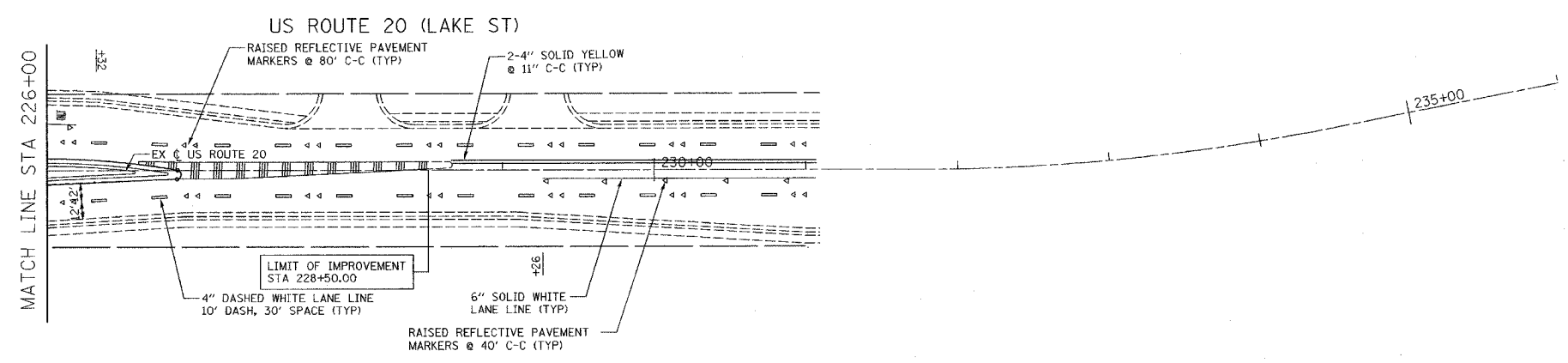
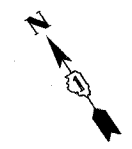
DATE: 03/01/05

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CHECKED BY: SR

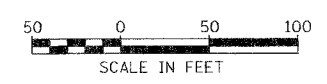
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	220
STA. 226+00		TO STA. 228+50		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				



- LEGEND**
- ▶ ONE-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
 - ▷ ONE-WAY CRYSTAL RAISED PAVEMENT MARKER
 - ◆ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER

- NOTE:**
1. DUAL REFLECTIVE PAVEMENT MARKERS ARE TO BE USED.
 2. FINAL PAVEMENT MARKINGS ON CONCRETE AND BITUMINOUS SURFACES SHALL BE PERFORMED PLASTIC PAVEMENT MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS RESPECTIVELY.
 3. REPLACE ALL PAVEMENT MARKINGS REMOVED DURING STAGING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.



REVISIONS	
NAME	DATE

SHEET 6 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION

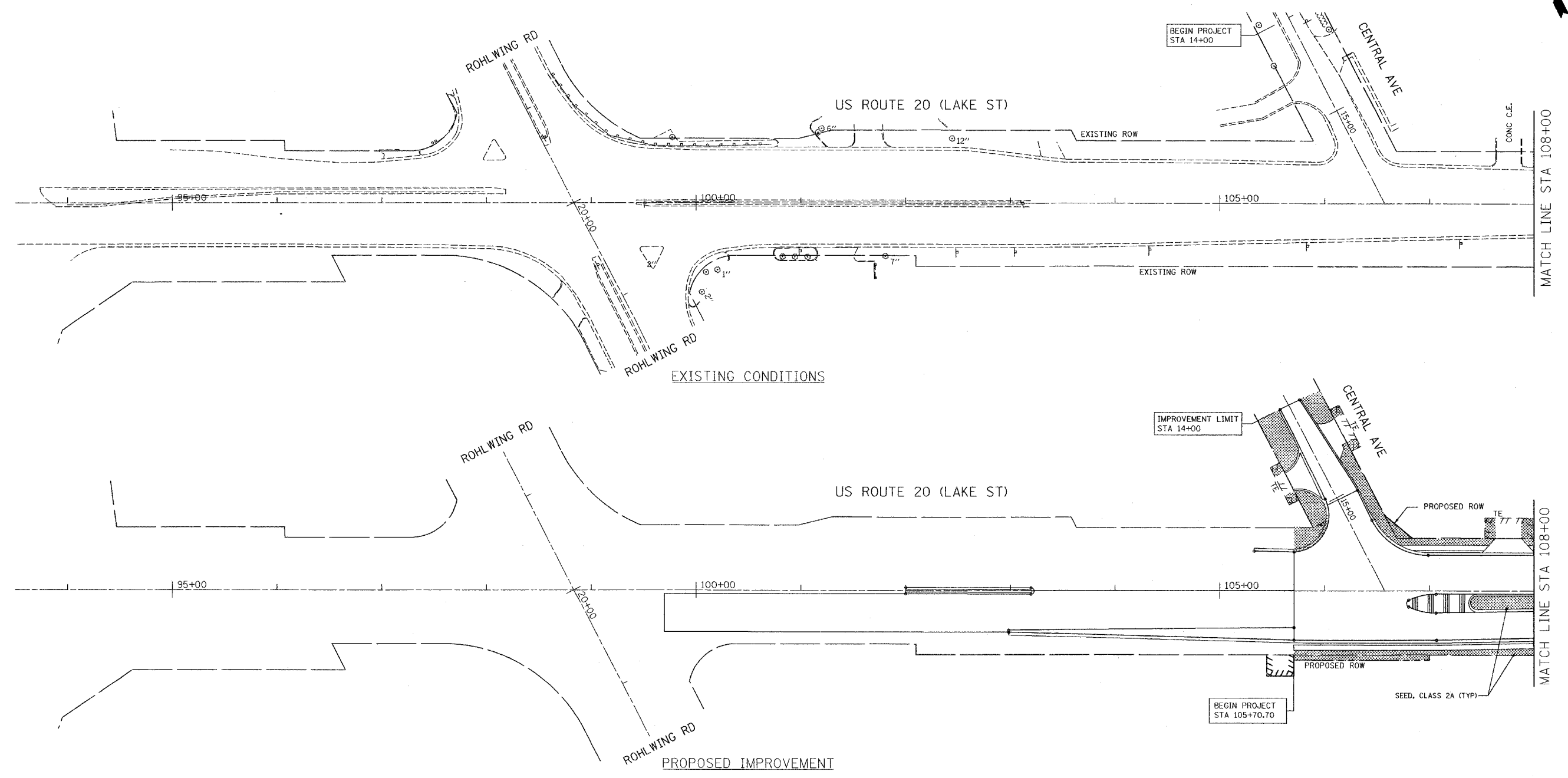
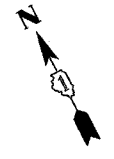
PAVEMENT MARKING & SIGNING PLAN

US ROUTE 20 (LAKE STREET)

SCALE: 1"=50' DRAWN BY: ALS
DATE: 03/01/05 CHECKED BY: SR

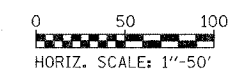
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	227
STA. 105+70.7		TO STA. 108+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				



LEGEND

 SEED, CLASS 2A



REVISIONS	
NAME	DATE

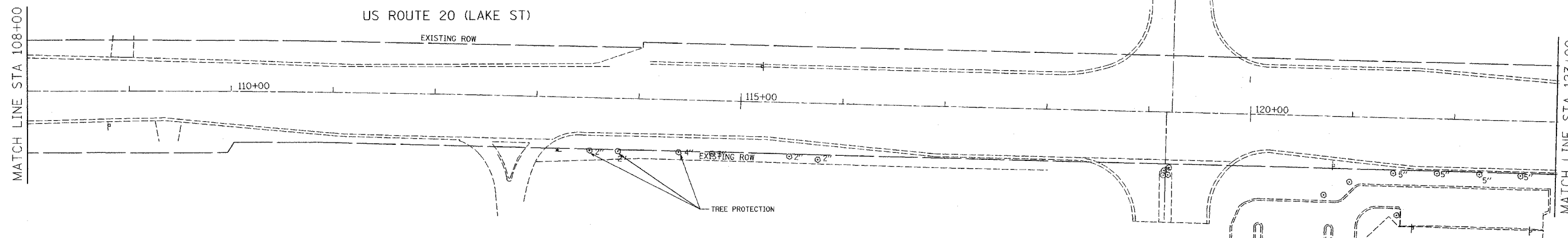
ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

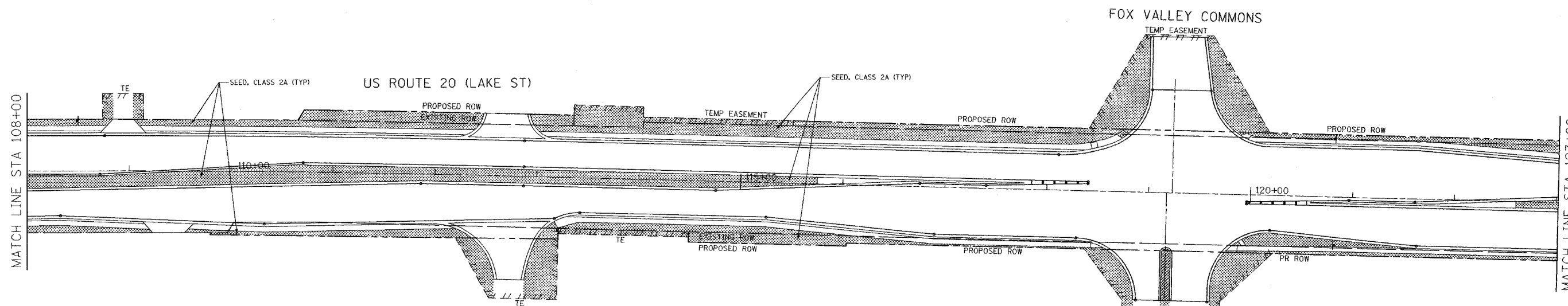
SCALE: 1"=50'
DATE: 03/01/05
DESIGNED BY: IDOT
DRAWN BY: ALS
CHECKED BY: SR

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	797	228
STA. 108+00		TO STA. 123+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



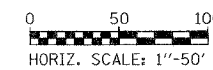
EXISTING CONDITIONS



PROPOSED IMPROVEMENT

LEGEND

 SEED, CLASS 2A



REVISIONS	
NAME	DATE

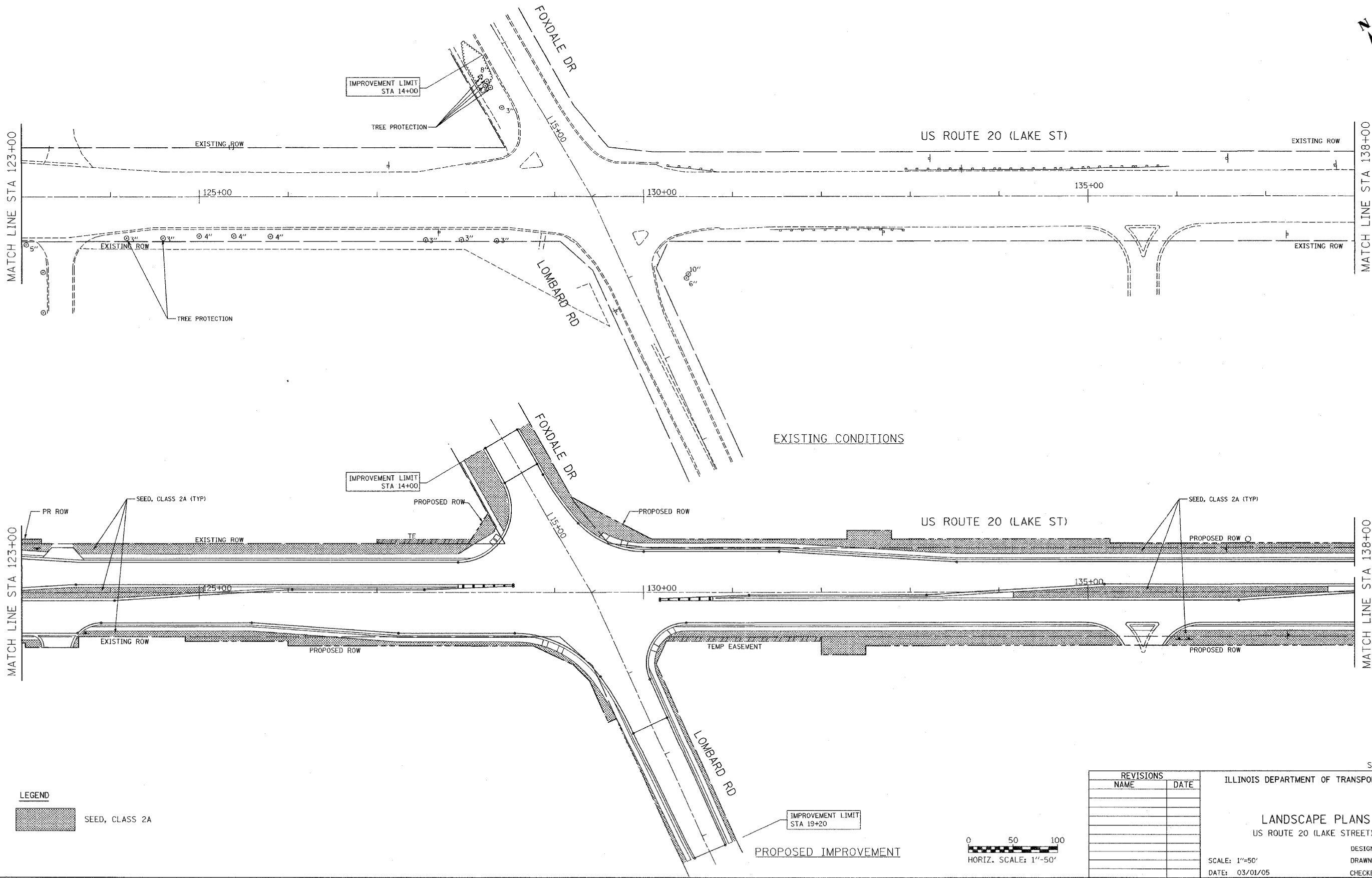
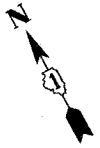
ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DESIGNED BY: IDOT
DRAWN BY: ALS
CHECKED BY: SR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	299	229
STA. 123+00		TO STA. 138+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

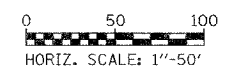
SEED, CLASS 2A

REVISIONS	
NAME	DATE

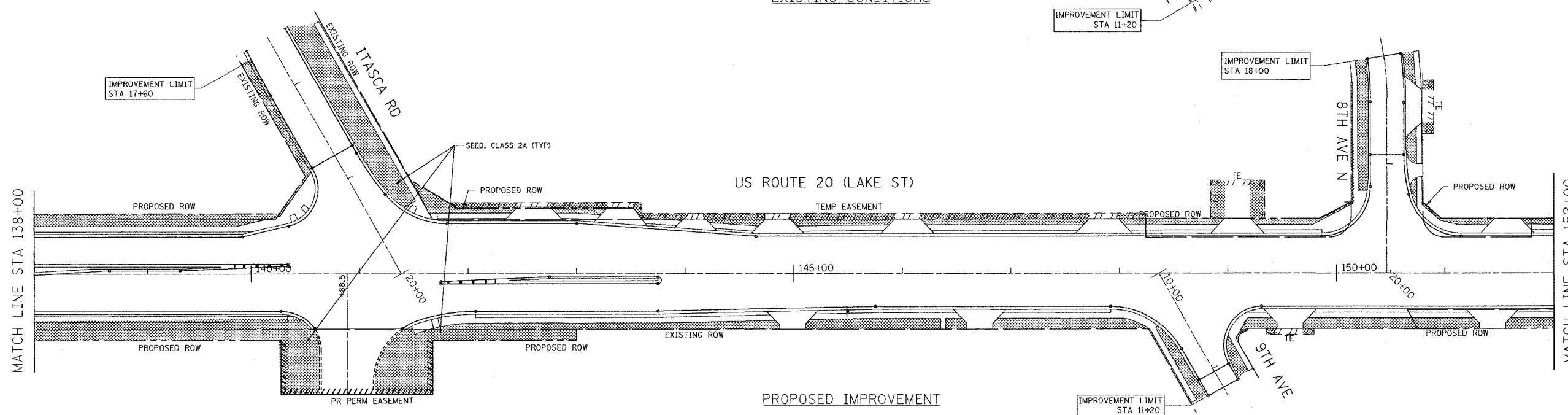
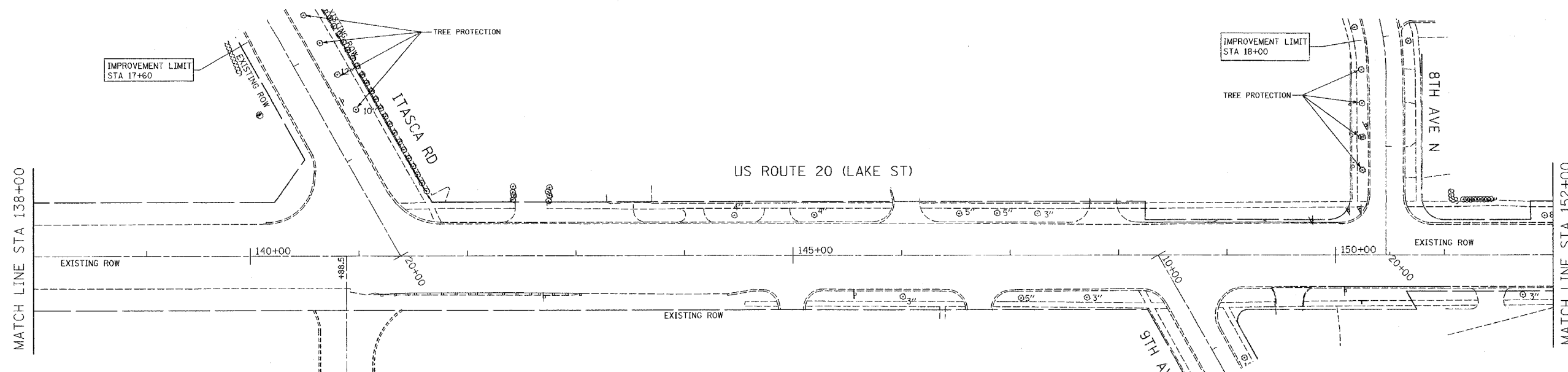
ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

DESIGNED BY: IDOT
DRAWN BY: ALS
CHECKED BY: SR
SCALE: 1"=50'
DATE: 03/01/05

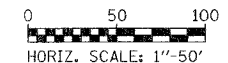


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LEGEND

 SEED, CLASS 2A



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

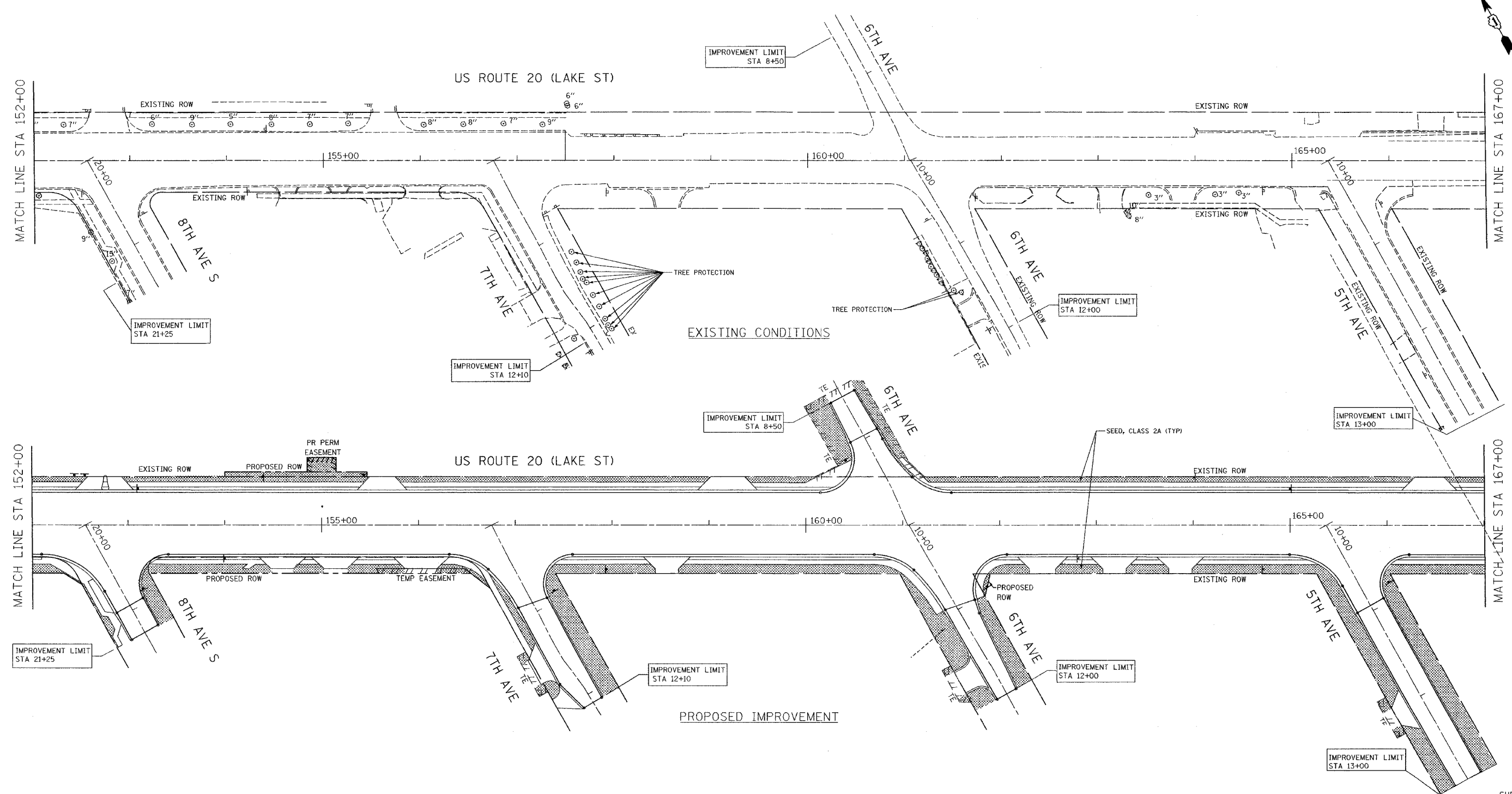
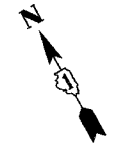
LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

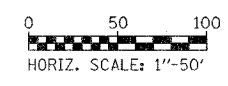
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	377	231
STA. 152+00		TO STA. 167+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



LEGEND
 SEED, CLASS 2A

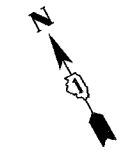
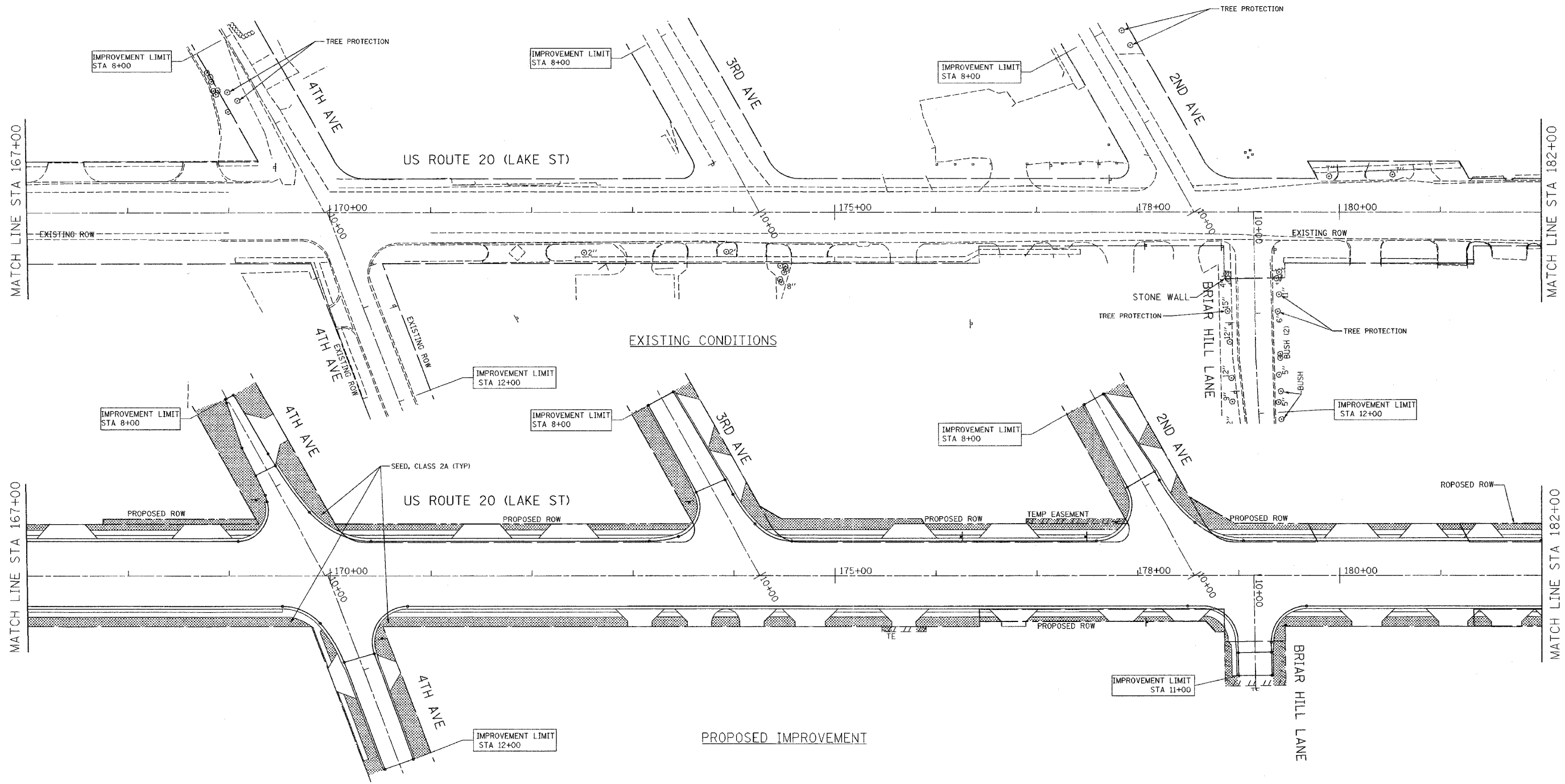


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPE PLANS
 US ROUTE 20 (LAKE STREET)
 SCALE: 1"=50'
 DATE: 03/01/05
 DESIGNED BY: IDOT
 DRAWN BY: ALS
 CHECKED BY: SR

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	347	232
STA. 167+00		TO STA. 182+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				



LEGEND
 SEED, CLASS 2A

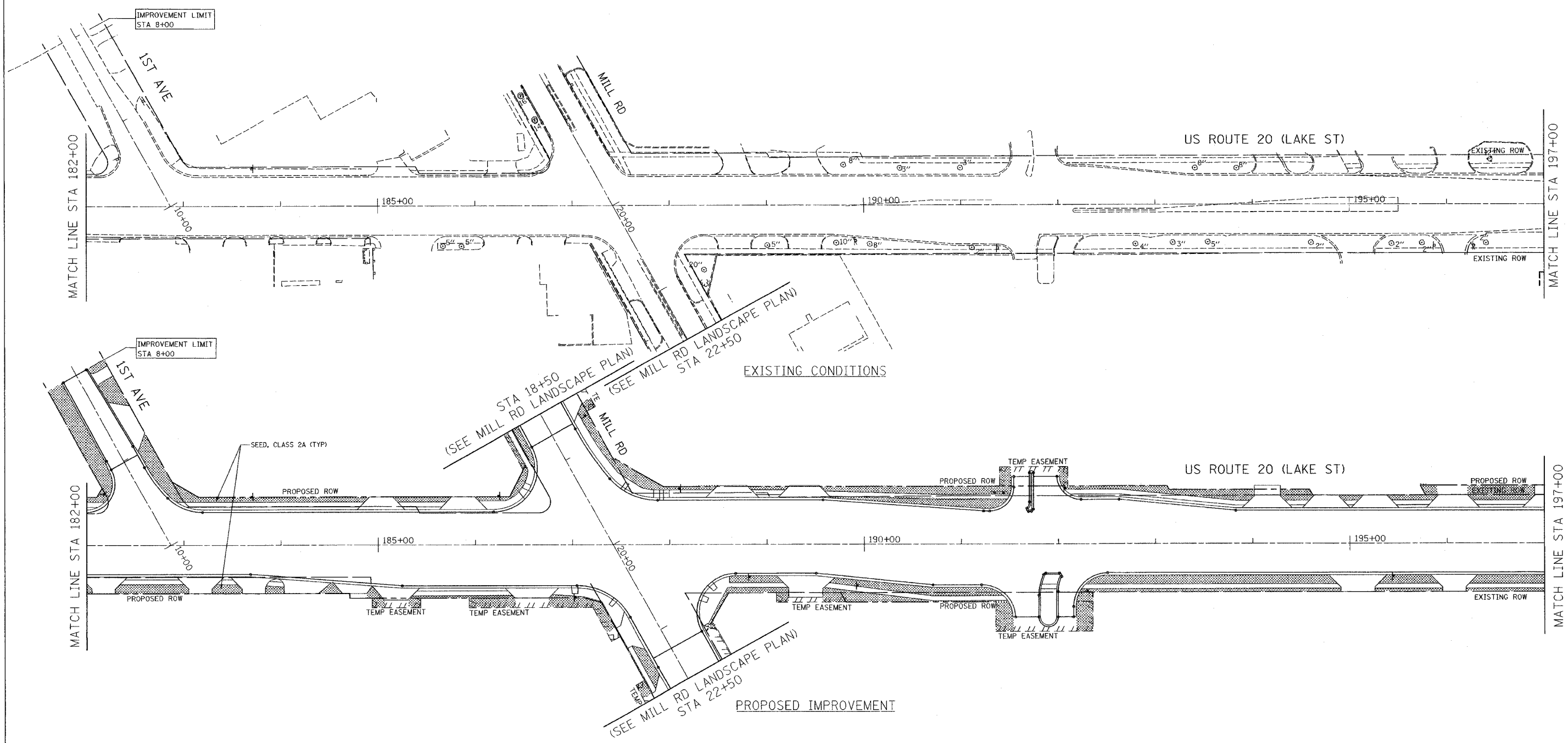
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 HORIZ. SCALE: 1"=50'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPE PLANS
 US ROUTE 20 (LAKE STREET)
 SCALE: 1"=50'
 DATE: 03/01/05
 DESIGNED BY: IDOT
 DRAWN BY: ALS
 CHECKED BY: SR

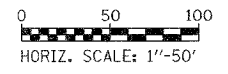
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	233
STA. 182+00		TO STA. 197+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				



LEGEND

 SEED, CLASS 2A



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

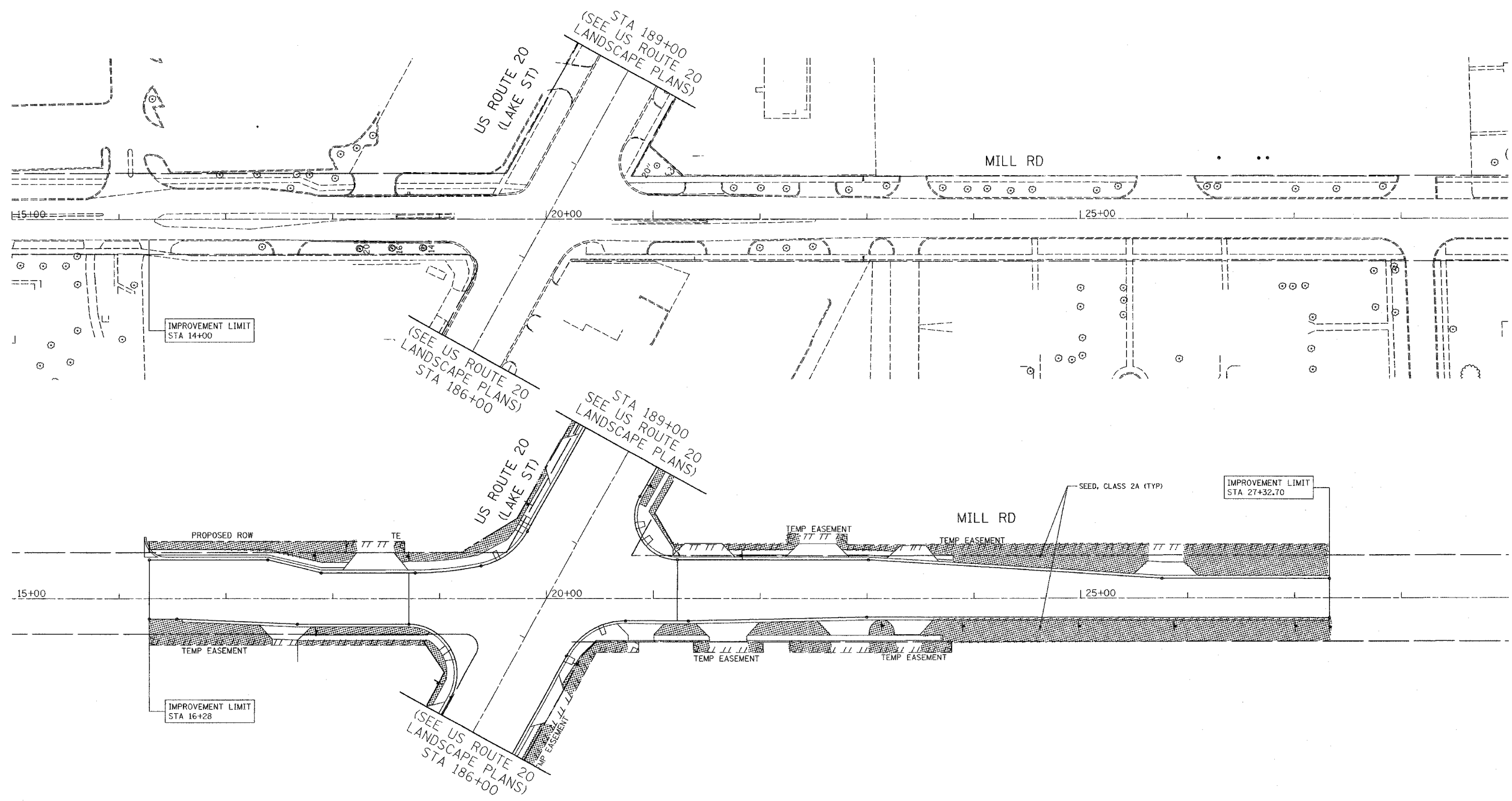
LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DESIGNED BY: IDOT
DRAWN BY: ALS
CHECKED BY: SR

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	234
STA. 16+28		TO STA. 27+32.7		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



SHEET 8 OF 11

LEGEND

 SEED, CLASS 2A

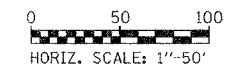
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

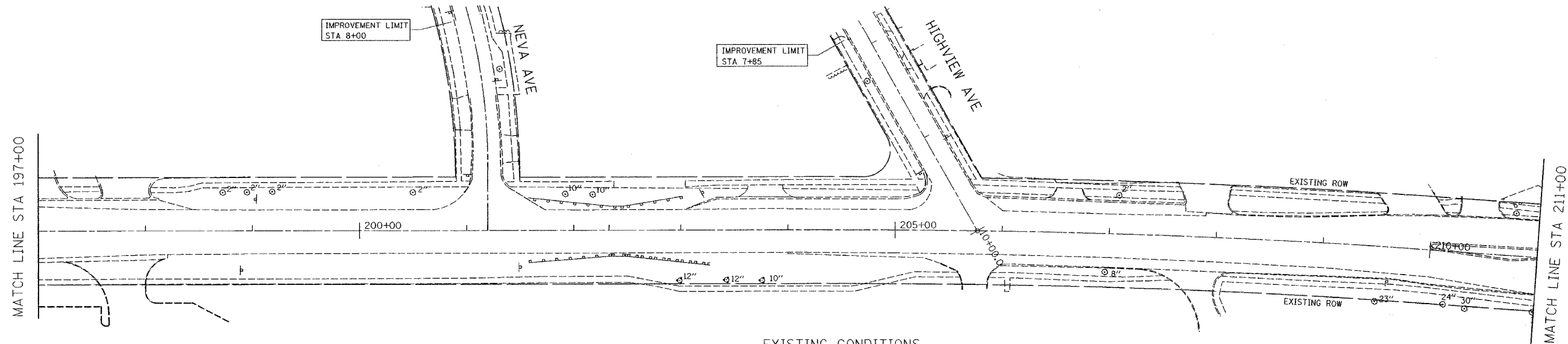
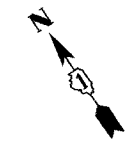
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DATE: 03/01/05

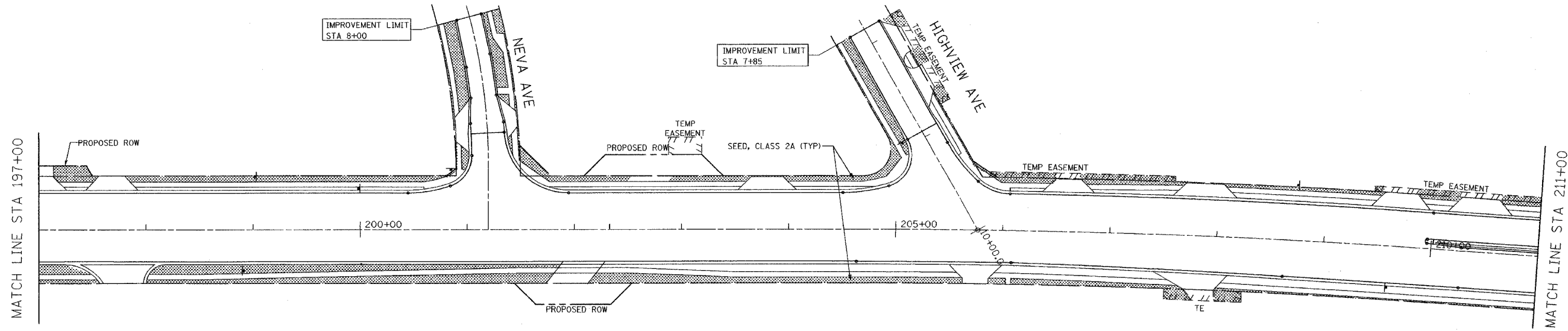


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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	391	235
STA. 197+00		TO STA. 211+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



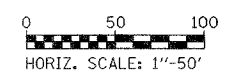
EXISTING CONDITIONS



PROPOSED IMPROVEMENT

LEGEND

SEED, CLASS 2A



REVISIONS	
NAME	DATE

SHEET 9 OF 11

ILLINOIS DEPARTMENT OF TRANSPORTATION

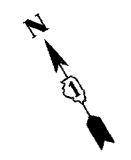
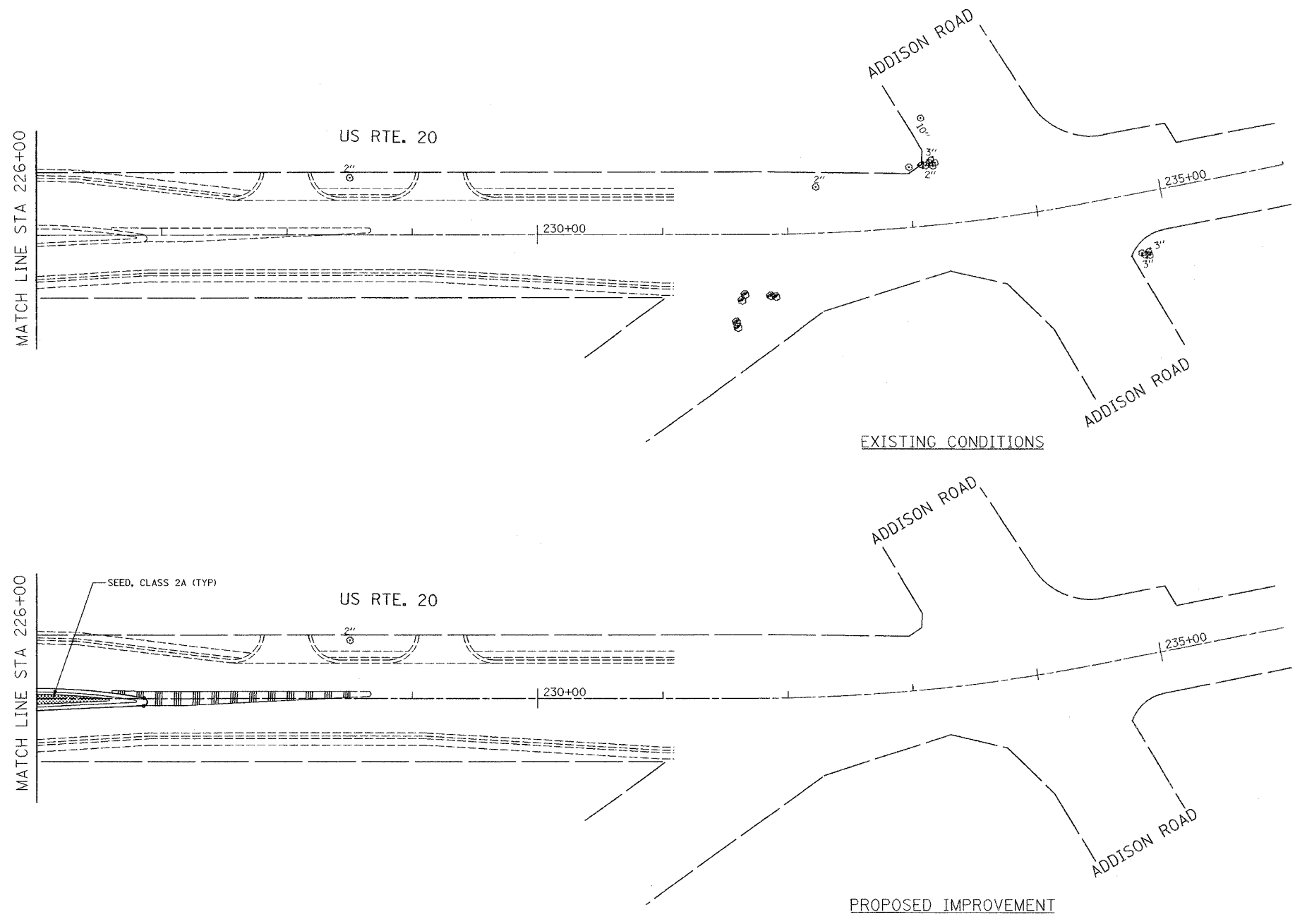
LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DESIGNED BY: IDOT
DRAWN BY: ALS
CHECKED BY: SR

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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	377	237
STA. 226+00		TO STA. 228+50		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



LEGEND

 SEED, CLASS 2A

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HORIZ. SCALE: 1"=50'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANS
US ROUTE 20 (LAKE STREET)

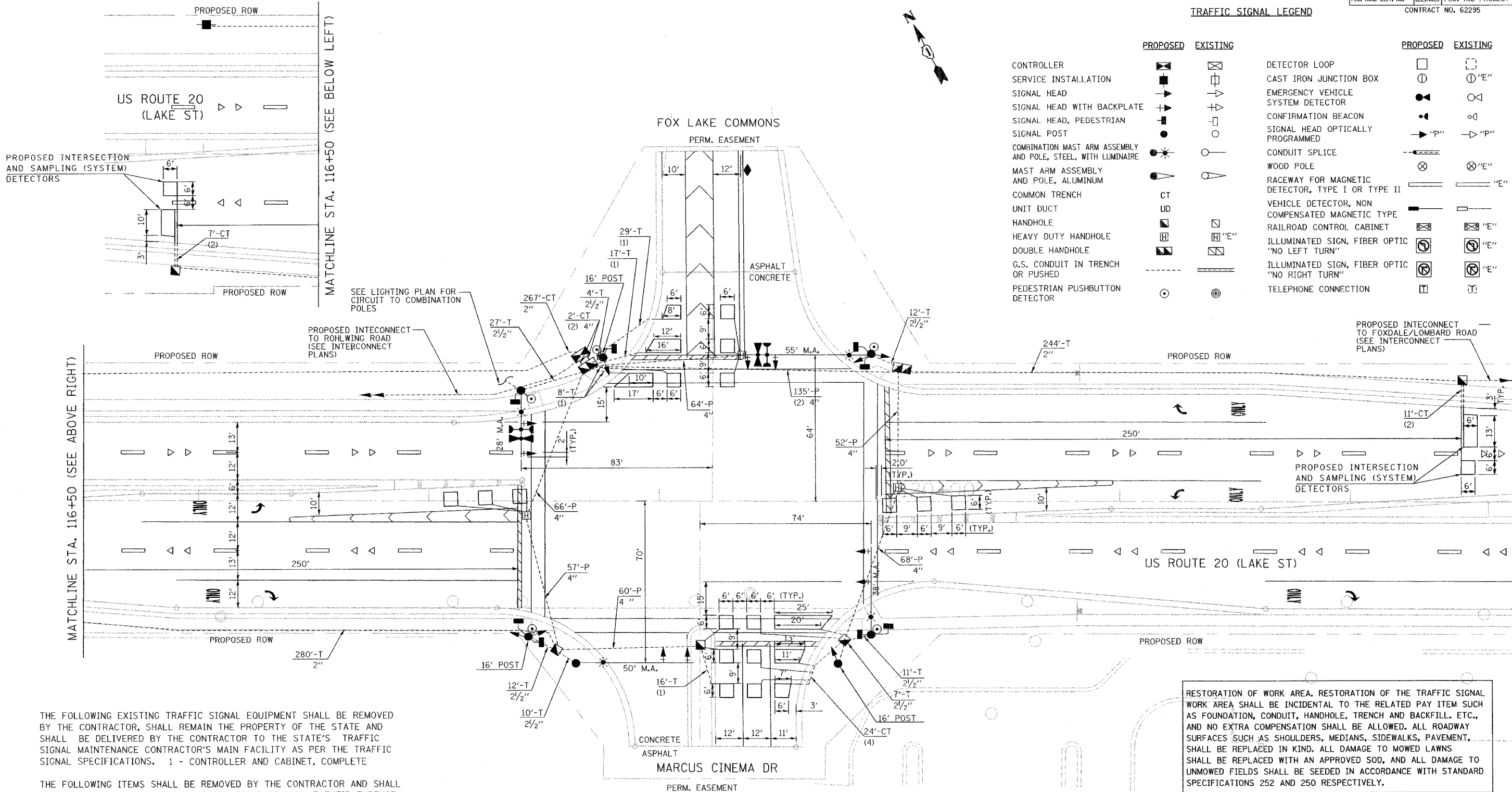
SCALE: 1"=50'
DATE: 03/01/05

DESIGNED BY: IDOT
DRAWN BY: ALS
CHECKED BY: SR

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TRAFFIC SIGNAL LEGEND

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



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 - 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 CONTRACT BID PRICE.

- 12 - SIGNAL HEADS, 3-SECTION
- 4 - SIGNAL HEADS, 5-SECTION
- 4 - WOOD POLE
- 1 - SERVICE INSTALLATION

EMERGENCY PREEMPT HARDWARE (TWO LIGHT DETECTORS AND ONE LIGHT DETECTOR AMPLIFIER) SHALL BE REUSED.

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

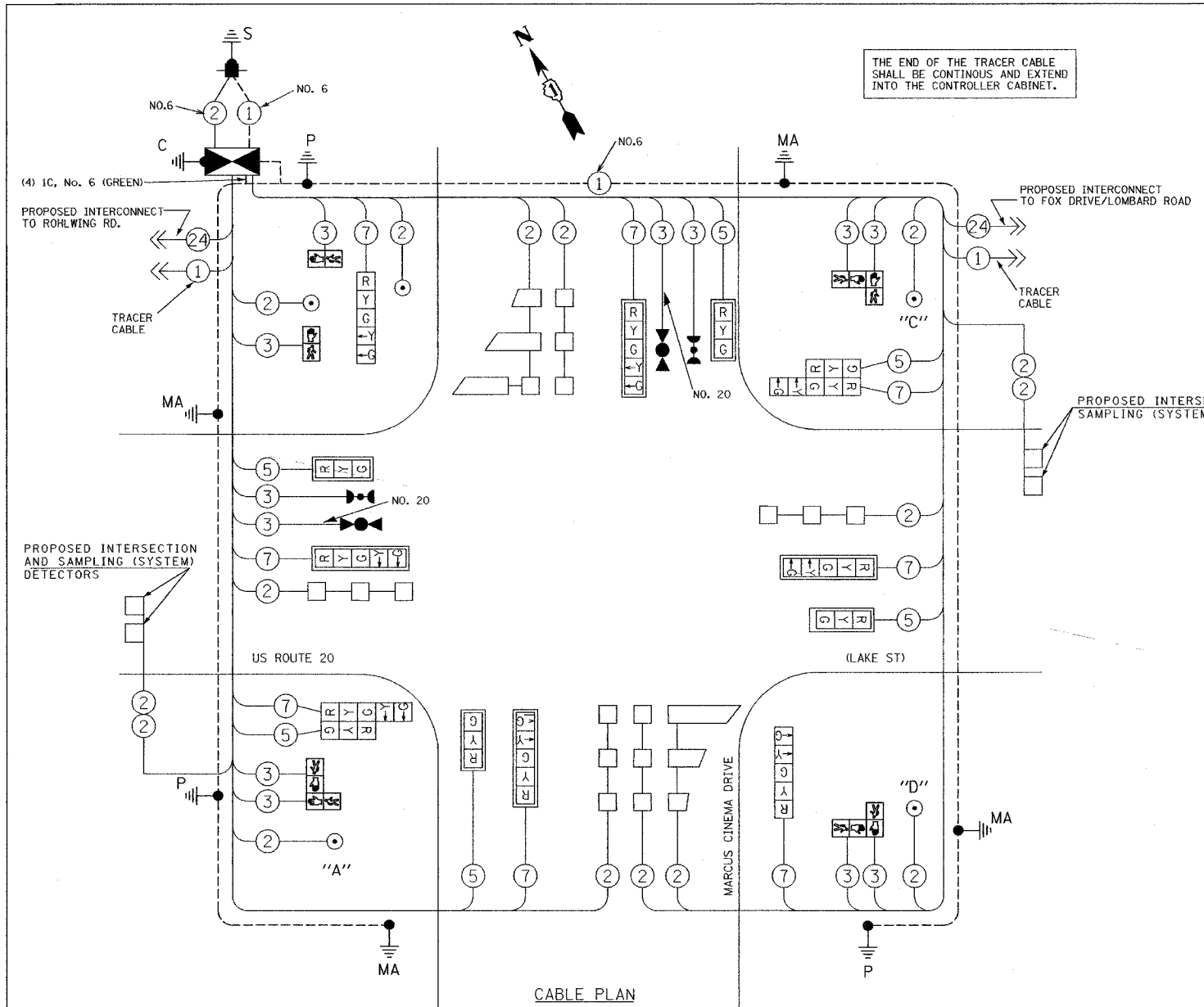
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE FUTURE PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL INSTALLATION PLAN US ROUTE 20 (LAKE ST) & MARCUS CINEMA DR
NAME	DATE	
		SCALE: 1"=20' DATE: 03/01/05

DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN

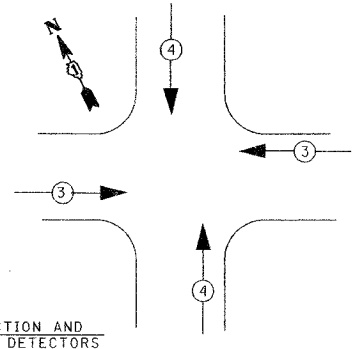
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	239
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



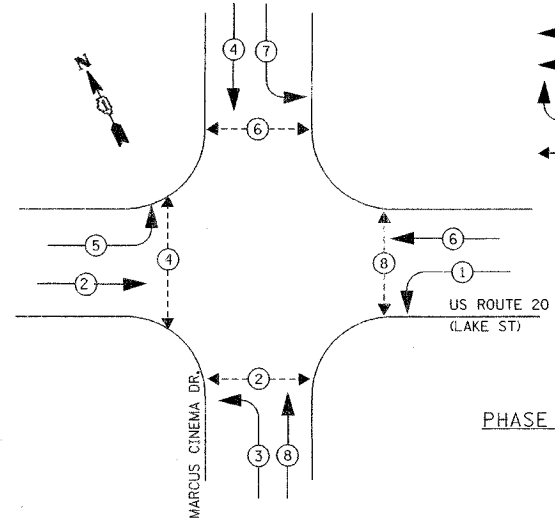
NOTES:
 PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 AND 4
 PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8
 PUSHBUTTON "D" SHALL PLACE A CALL TO PHASES 2 AND 8

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

CONTROLLER SEQUENCE



LEGEND

- ◁ ○ ▷ DUAL ENTRY PHASE
- ◁ □ ▷ PROTECTED ONLY LEFT TURN PHASE
- ◇ OL OVERLAP
- ◁ ○ ▷ PEDESTRIAN PHASE

PHASE DESIGNATION DIAGRAM

CABLE PLAN LEGEND

EXISTING	PROPOSED	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 CONNECTION
⊗	⊗	⊗	⊗	MAGNETIC DETECTOR
⊗	⊗	⊗	⊗	EMERGENCY VEHICLE LIGHT DETECTOR
⊗	⊗	⊗	⊗	CONFIRMATION BEACON
⊗	⊗	⊗	⊗	PUSHBUTTON DETECTOR
⊗	⊗	⊗	⊗	VEHICLE DETECTOR, INDUCTION LOOP
⊗	⊗	⊗	⊗	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
⊗	⊗	⊗	⊗	MICROWAVE VEHICLE SENSOR
⊗	⊗	⊗	⊗	SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
⊗	⊗	⊗	⊗	RAILROAD CONTROL CABINET
⊗	⊗	⊗	⊗	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
⊗	⊗	⊗	⊗	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
⊗	⊗	⊗	⊗	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
⊗	⊗	⊗	⊗	GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
⊗	⊗	⊗	⊗	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊗	⊗	⊗	⊗	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
⊗	⊗	⊗	⊗	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	135	17	0.50	119.00
(YELLOW)	14	135	25	0.25	87.50
(GREEN)	14	135	15	0.25	52.50
ARROW	16	135	12	0.135	21.60
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER				0.50	--
TOTAL =					580.60

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

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

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 20 (LAKE STREET) & MARCUS CINEMA DR.
 SCALE: NONE
 DATE: 03/01/05
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	347	240
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62295				

- NOTES FOR TEMPORARY TRAFFIC SIGNALS**
- ALL CONTROL EQUIPMENT INCLUDING COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR, WITH THE EXCEPTION OF THE EMERGENCY PRE-EMPTION EQUIPMENT WHICH WILL BE RELOCATED FROM THE EXISTING LOCATION.
 - 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 HEAD 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.

* SIGNAL OPERATION NOTE:
OPPOSING LEFT-TURN MOVEMENTS MAY NOT BE POSSIBLE IN ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY THE ENGINEER, TO PROVIDE ALTERNATE PHASING (E.G., LEAD/LAG LEFT-TURNS, PROTECTED ONLY LEFT TURNS, ETC.), TO FACILITATE TRAFFIC FLOW. THIS WORK MAY INCLUDE REPLACING 3-SECTION HEADS WITH 5-SECTION HEADS, CONTROLLER/CABINET MODIFICATIONS AND ADJUSTMENTS, AND LOCAL /SYSTEM TIMING ADJUSTMENTS.

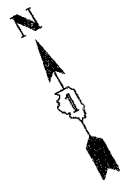
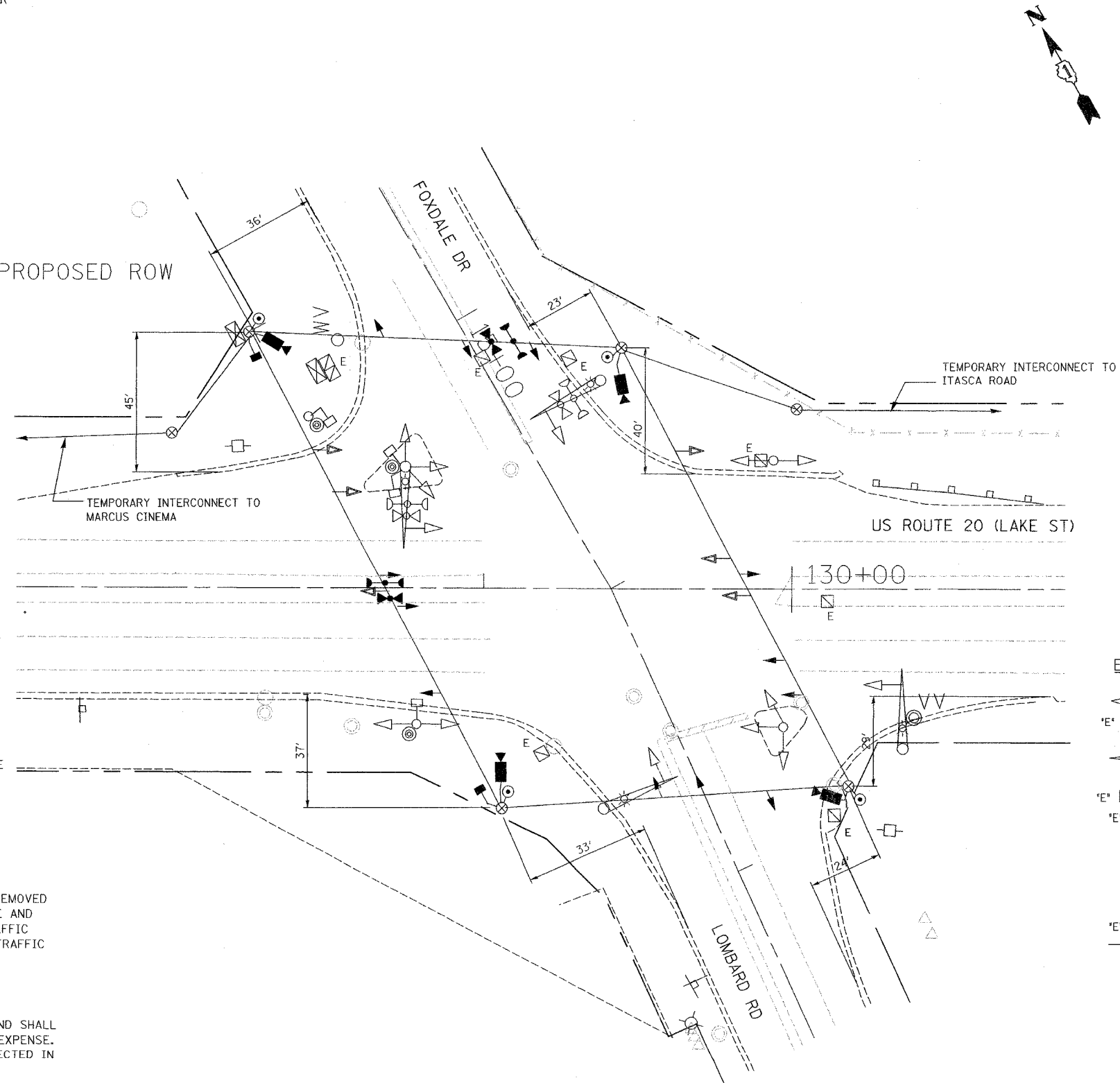
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 - 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 CONTRACT BID PRICE.

- 6 - SIGNAL HEADS, 3-SECTION
- 8 - SIGNAL HEADS, 5-SECTION
- 4 - COMBINATION MAST ARM ASSEMBLY AND POLE
- 4 - POSTS
- 4 - BACKPLATES
- 3 - PEDESTRIAN PUSH-BUTTON
- 4 - PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 - SERVICE INSTALLATION

PROPOSED ROW



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
- ⊞ VIDEO 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 TRENCH OR PUSHED
- ⊞ HANDHOLE
- ⊞ HEAVY DUTY HANDHOLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- △ EXISTING SIGNAL HEAD TO BE REMOVED
- 'E' ■ EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊞ EXISTING COMBINATION ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- 'E' ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- 'E' ⊞ EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- ⊙ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊞ EMERGENCY VEHICLE LIGHT DETECTOR TO BE RELOCATED
- ⊞ CONFIRMATION BEACON TO BE RELOCATED
- 'E' ⊞ EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

US ROUTE 20 (LAKE ST) & LOMBARD RD

SCALE: 1"=20'

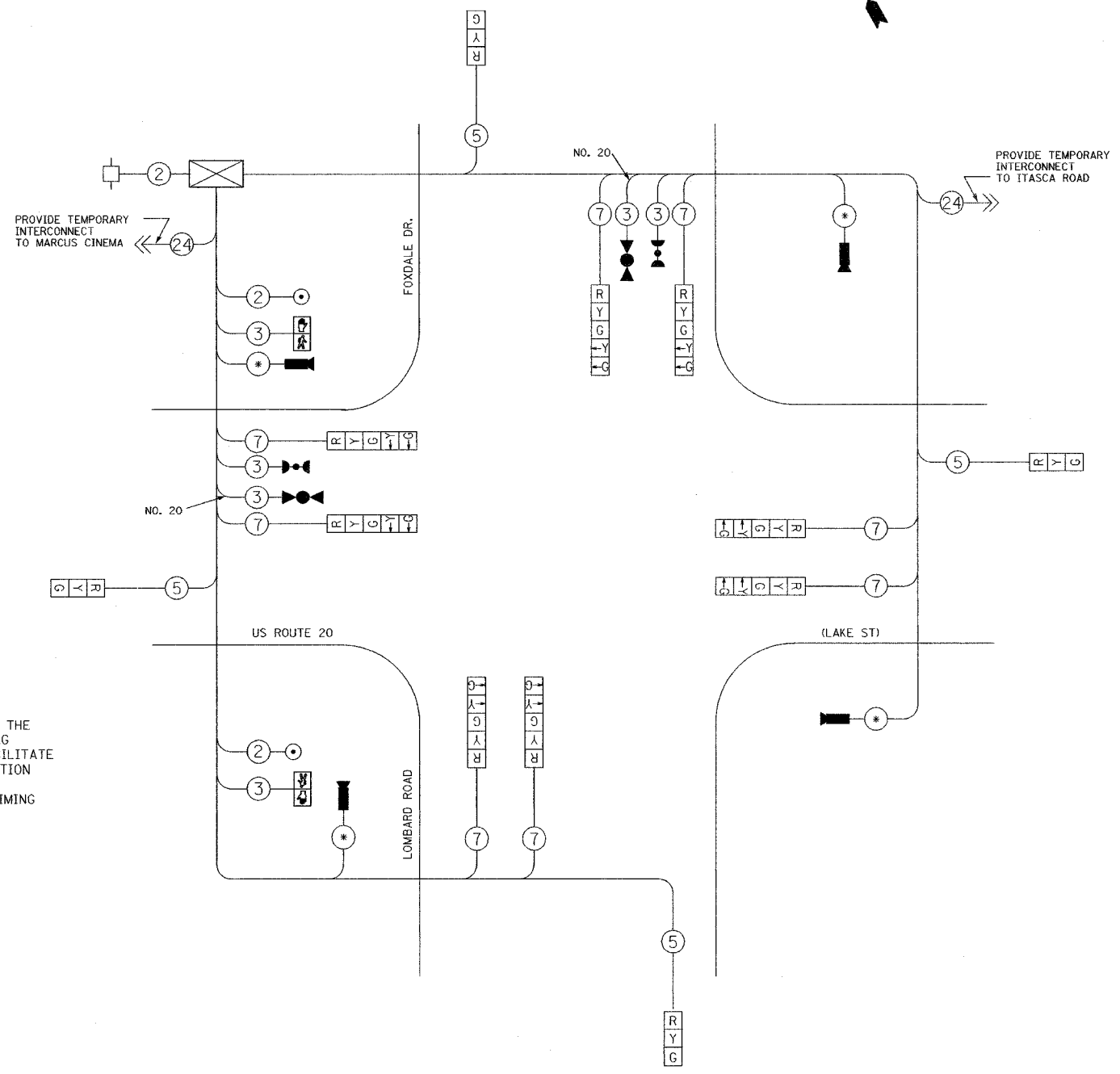
DATE: 03/01/05

DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN

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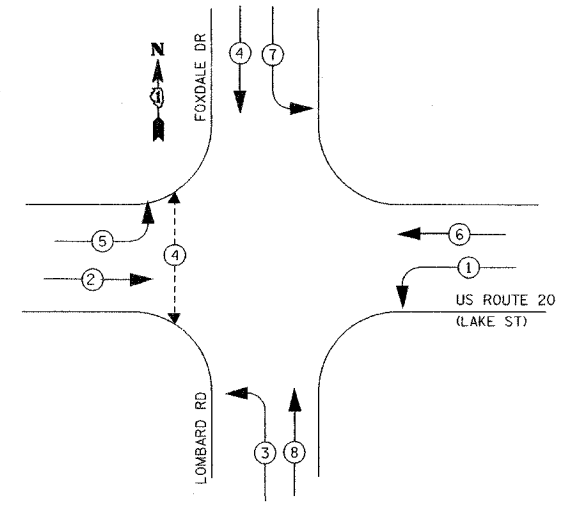
TEMPORARY CABLE DIAGRAM LEGEND

- R 12" (300mm) TRAFFIC SIGNAL SECTION
- X CONTROLLER CABINET
- SERVICE INSTALLATION
- 5 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14, EXCEPT AS INDICATED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE SENSOR
- 24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
- * AS PER MANUFACTURER'S RECOMMENDATION



TEMPORARY CABLE PLAN
NOT TO SCALE

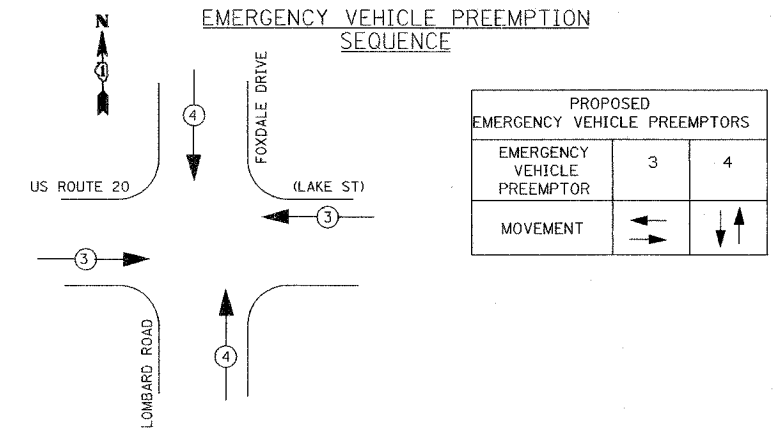
TEMPORARY CONTROLLER SEQUENCE



- #### LEGEND
- DUAL ENTRY PHASE
 - PROTECTED ONLY LEFT TURN PHASE
 - OVERLAP
 - PEDESTRIAN PHASE
- #### PHASE DESIGNATION DIAGRAM
- SEE SIGNAL OPERATION NOTE, THIS SHEET.

SIGNAL OPERATION NOTE:
OPPOSING LEFT-TURN MOVEMENTS MAY NOT BE POSSIBLE IN ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY THE ENGINEER, TO PROVIDE ALTERNATE PHASING (E.G., LEAD/LAG LEFT-TURNS, PROTECTED ONLY LEFT TURNS, ETC.), TO FACILITATE TRAFFIC FLOW. THIS WORK MAY INCLUDE REPLACING 3-SECTION HEADS WITH 5-SECTION HEADS, CONTROLLER/CABINET MODIFICATIONS AND ADJUSTMENTS, AND LOCAL /SYSTEM TIMING ADJUSTMENTS.

EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	810.00
(YELLOW)	12	135	25	0.25	405.00
(GREEN)	12	135	15	0.25	405.00
ARROW	16	135	12	0.10	216.00
PED. SIGNAL	2	90	25	1.00	180.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER				0.50	--
ENERGY COSTS TO:					TOTAL = 2116.00

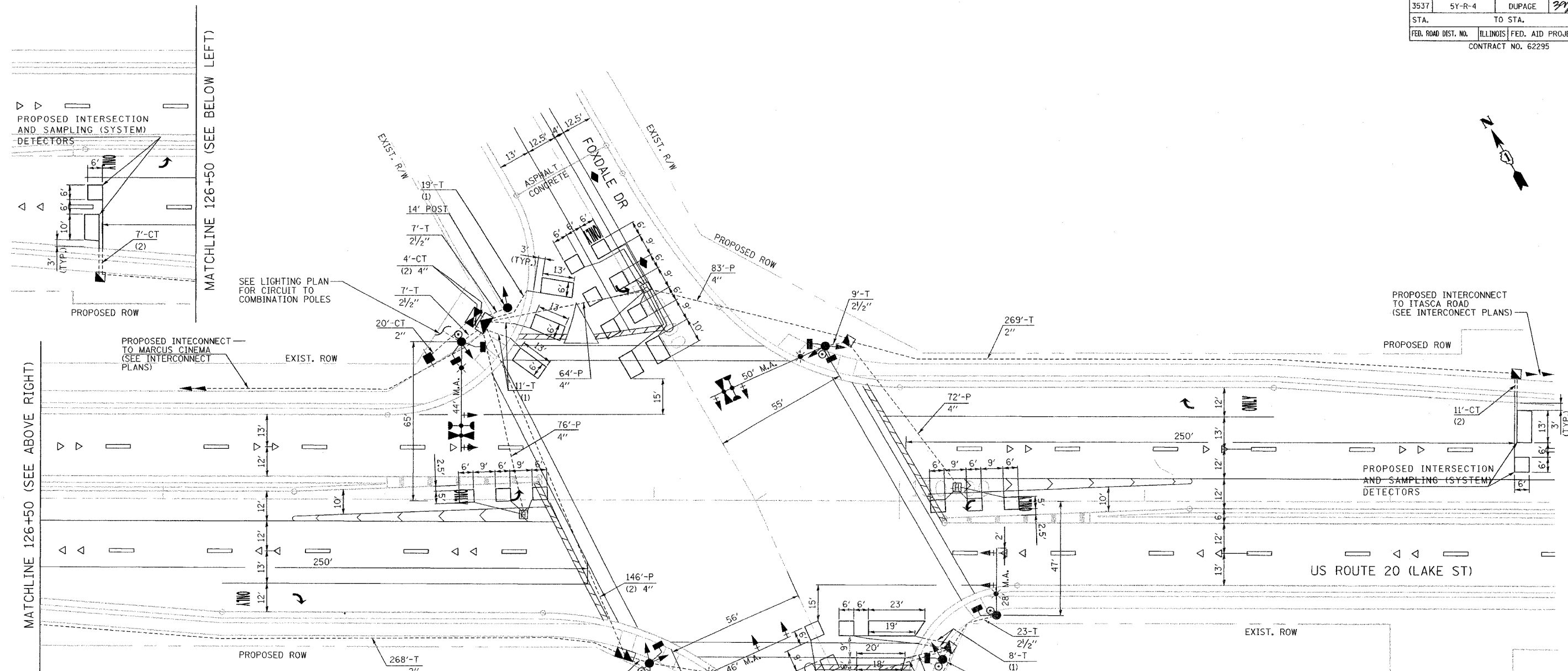
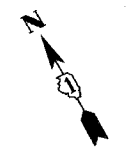
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
CONTACT: KATHY NYSTROM
PHONE: (847) 816-5489
COMPANY: COM. ED.

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM
US ROUTE 20 (LAKE ST) & LOMBARD ROAD
DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN
SCALE: NONE
DATE: 03/01/05

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	277	242
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62295	



TRAFFIC SIGNAL LEGEND

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

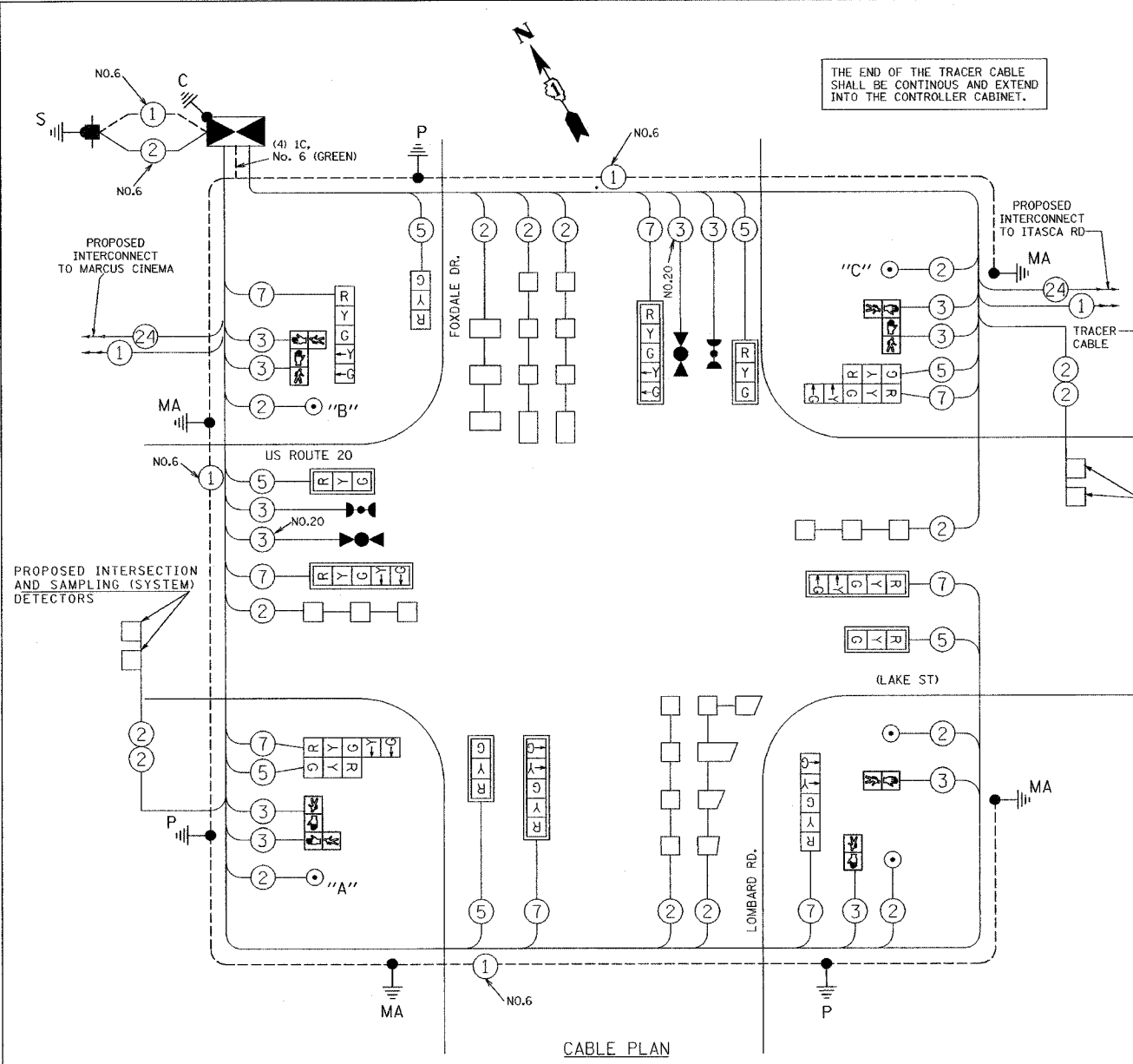
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, SHALL BE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

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

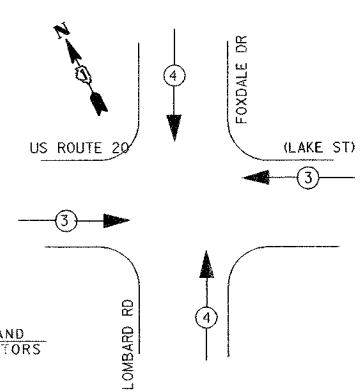
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
 US ROUTE 20 (LAKE ST) & LOMBARD ROAD
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN
 SCALE: 1"=20'
 DATE: 03/01/05

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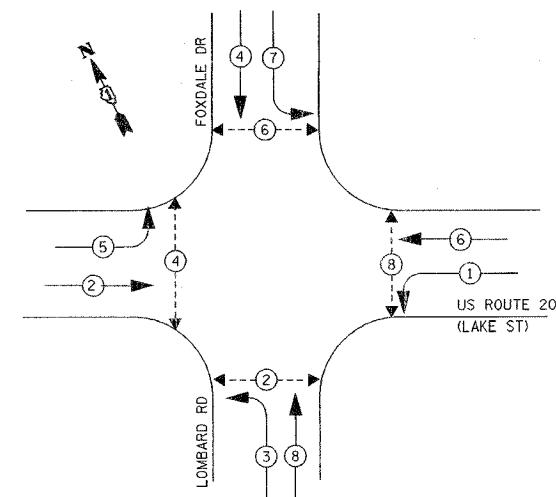


EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

CABLE PLAN LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED

NOTES:
 PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 AND 4
 PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6
 PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	* OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	135	17	0.50	127.50
(YELLOW)	15	135	25	0.25	93.75
(GREEN)	15	135	15	0.25	56.25
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER				0.50	--
TOTAL =					596.70

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: KATHY NYSTROM
 PHONE: (847) 816-5489
 COMPANY: COM. ED.

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'+H-2'
E - M. 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)

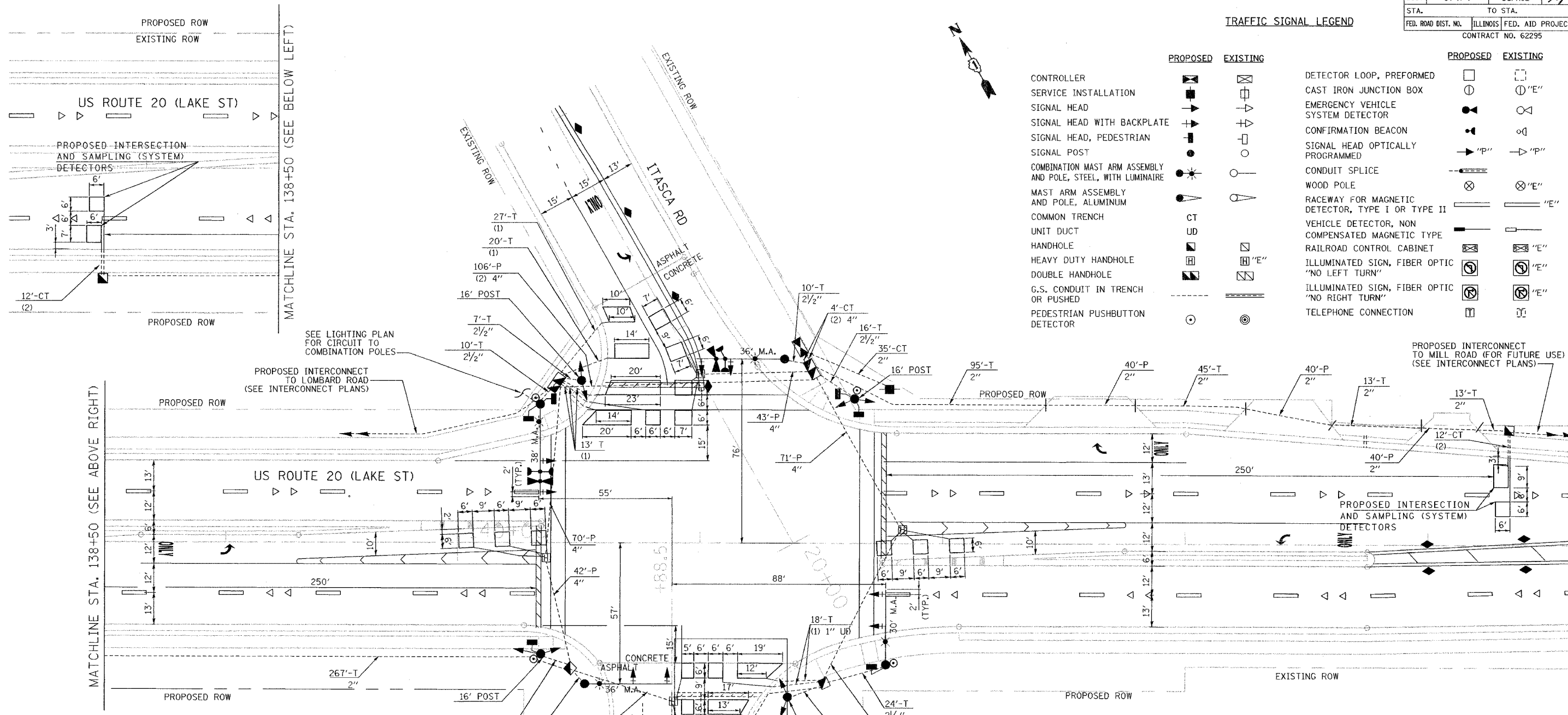
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE FUTURE PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 20 (LAKE STREET) & LOMBARD ROAD
 DRAWN BY: MJH
 DESIGNED BY: MJH
 SCALE: NONE
 DATE: 03/01/05
 CHECKED BY: RN

TRAFFIC SIGNAL LEGEND

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



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 - CONTROLLER AND CABINET, COMPLETE
- 4 - VIDEO VEHICLE DETECTION CAMERAS

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

- 4 - SIGNAL HEADS, 3-SECTION
- 8 - SIGNAL HEADS, 5-SECTION
- 4 - WOOD POLE
- 1 - SERVICE INSTALLATION

EMERGENCY PREEMPT HARDWARE (TWO LIGHT DETECTORS AND ONE LIGHT DETECTOR AMPLIFIER) SHALL BE REUSED.

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

SHEET 7 OF 16

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

REVISIONS	
NAME	DATE

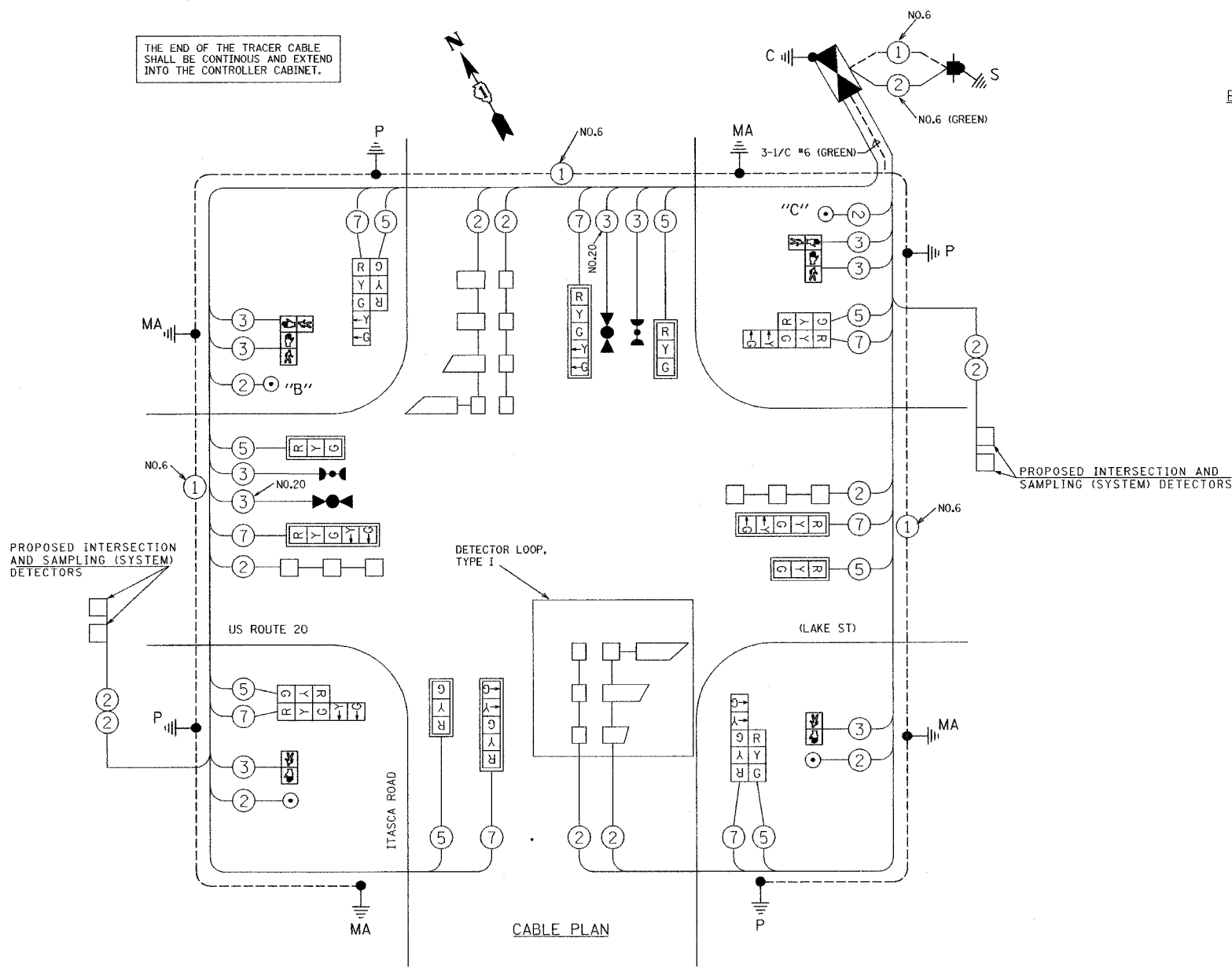
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
 US ROUTE 20 (LAKE ST) & ITASCA RD

SCALE: 1"=20'
 DATE: 03/01/05
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN

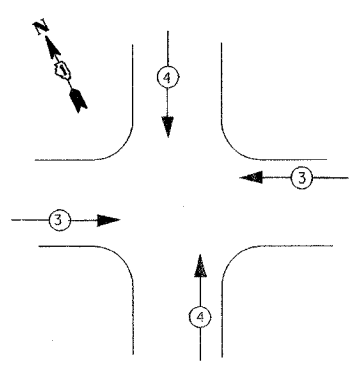
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	297	245
STA.		TO STA.		
FED. ROAD DIST NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				

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

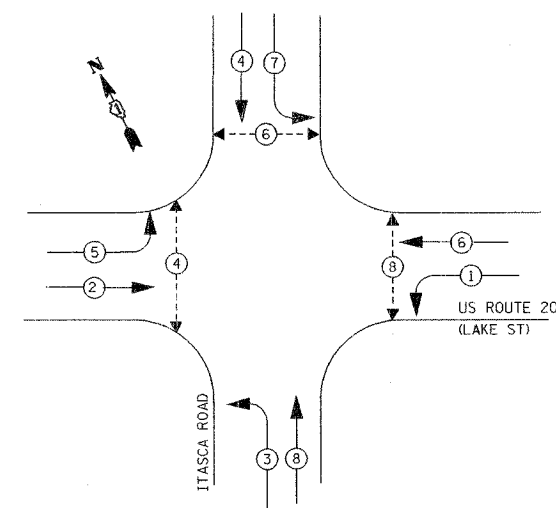


EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

CONTROLLER SEQUENCE



- LEGEND
- DUAL ENTRY PHASE
 - PROTECTED ONLY LEFT TURN PHASE
 - OVERLAP
 - PEDESTRIAN PHASE

PHASE DESIGNATION DIAGRAM

CABLE PLAN LEGEND

- | | | | |
|----------|----------|----------|---|
| EXISTING | PROPOSED | EXISTING | PROPOSED |
| | | | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD |
| | | | RAILROAD CONTROL CABINET |
| | | | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN" |
| | | | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN" |
| | | | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C). |
| | | | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| | | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F |
| | | | MICROWAVE VEHICLE SENSOR |
| | | | |
| | | | |
| | | | |

NOTES:
 PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6
 PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	6	90	25	1.00	150.00
CONTROLLER	1	100	100	1.00	100.00

ENERGY COSTS TO: TOTAL = 565.2
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: KATHY NYSTROM
 PHONE: (847) 816-5489
 COMPANY: COM. ED.

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
HANDHOLE	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'H-2"
E - M. ARM POLE	2 (1.0)	SIGNAL POST	2 (1.0)	(6m-H-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)

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 20 (LAKE STREET) & ITASCA ROAD
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN
 SCALE: NONE
 DATE: 03/01/05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	240
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR, WITH THE EXCEPTION OF THE EMERGENCY PRE-EMPTION EQUIPMENT WHICH WILL BE RELOCATED FROM THE EXISTING LOCATION.
- 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 HEAD 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.

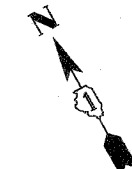
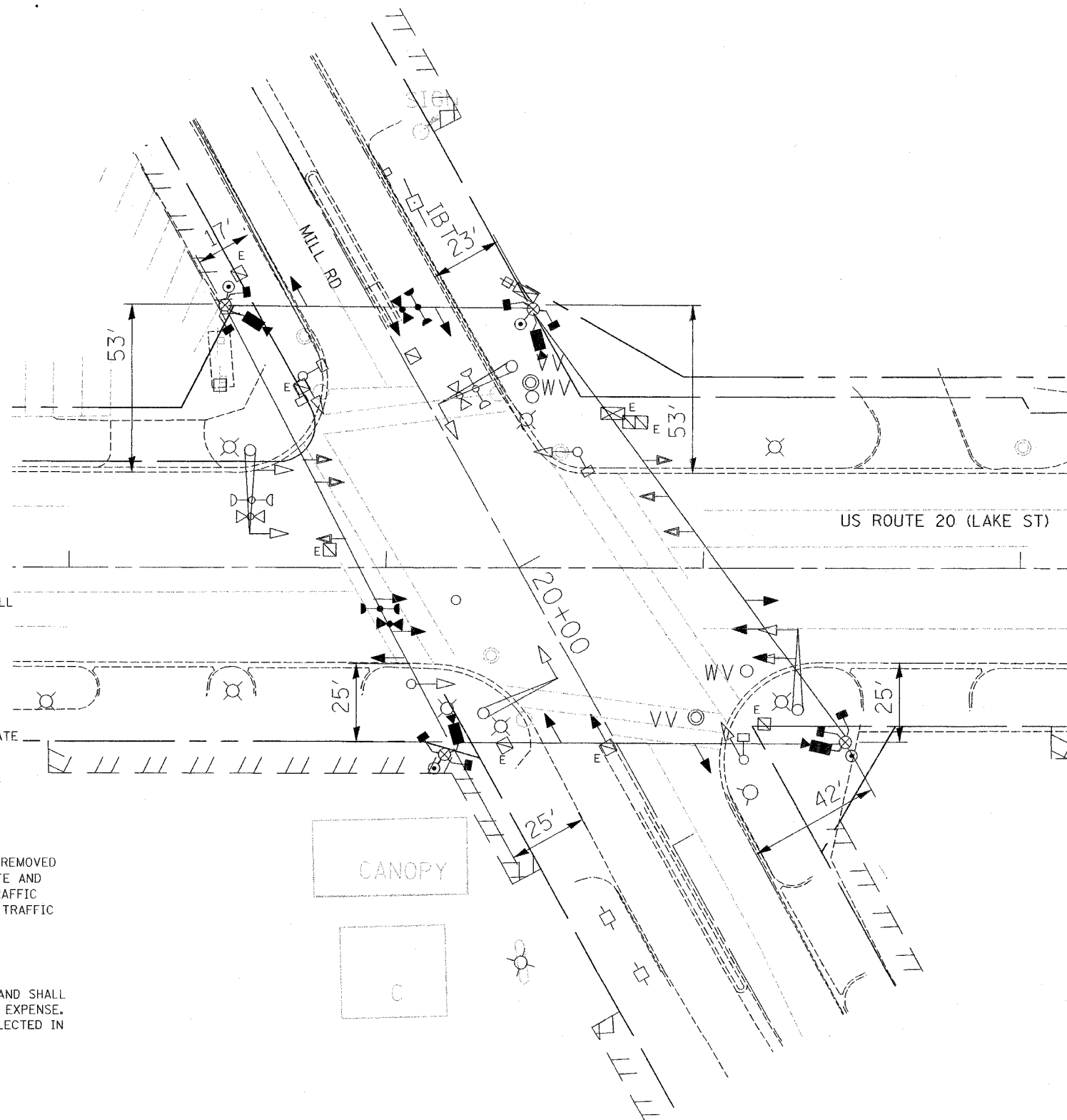
SIGNAL OPERATION NOTE:
OPPOSING LEFT-TURN MOVEMENTS MAY NOT BE POSSIBLE IN ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY THE ENGINEER, TO PROVIDE ALTERNATE PHASING (E.G., LEAD/LAG LEFT-TURNS, PROTECTED ONLY LEFT TURNS, ETC.), TO FACILITATE TRAFFIC FLOW. THIS WORK MAY INCLUDE REPLACING 3-SECTION HEADS WITH 5-SECTION HEADS, CONTROLLER/CABINET MODIFICATIONS AND ADJUSTMENTS, AND LOCAL /SYSTEM TIMING ADJUSTMENTS.

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 - 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 CONTRACT BID PRICE.

- 2 - SIGNAL HEADS, 3-SECTION
- 8 - SIGNAL HEADS, 5-SECTION
- 4 - MAST ARM ASSEMBLY AND POLE
- 4 - POSTS
- 6 - BACKPLATES
- 6 - PEDESTRIAN PUSH-BUTTON
- 4 - PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 - PEDESTRIAN SIGNAL HEAD, 2-FACE
- 1 - SERVICE INSTALLATION



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
- ▶ VIDEO 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 TRENCH OR PUSHED
- HANDHOLE
- ⊠ HEAVY DUTY HANDHOLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ↖ EXISTING SIGNAL HEAD TO BE REMOVED
- ⊕ EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊕ EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊕ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊕ EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- ⊙ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊕ EMERGENCY VEHICLE LIGHT DETECTOR TO BE RELOCATED
- ⊕ CONFIRMATION BEACON TO BE RELOCATED
- ⊕ EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

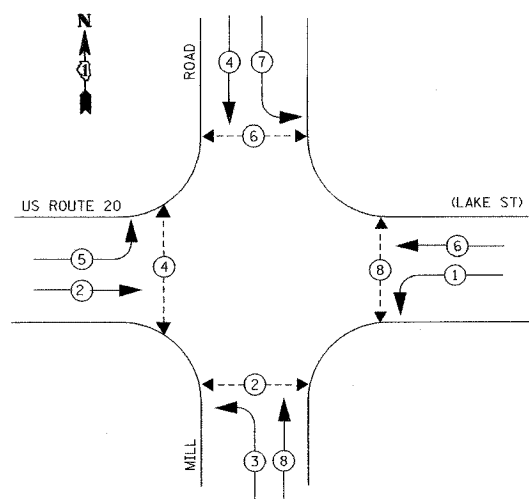
SHEET 9 OF 16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVE EXISTING
 TRAFFIC SIGNAL EQUIPMENT**
 US ROUTE 20 (LAKE ST) & MILL RD
 SCALE: 1"=20'
 DATE: 11/10/04
 DRAWN BY: M.J.H.
 DESIGNED BY: M.J.H.
 CHECKED BY: RN

J:\111_401171404_us20cap1404eet1301-1b.sht

TEMPORARY CONTROLLER SEQUENCE



LEGEND

- ◀•▶ DUAL ENTRY PHASE
- ◀•▶ PROTECTED ONLY LEFT TURN PHASE
- ◊ OL OVERLAP
- ◀•▶ PEDESTRIAN PHASE

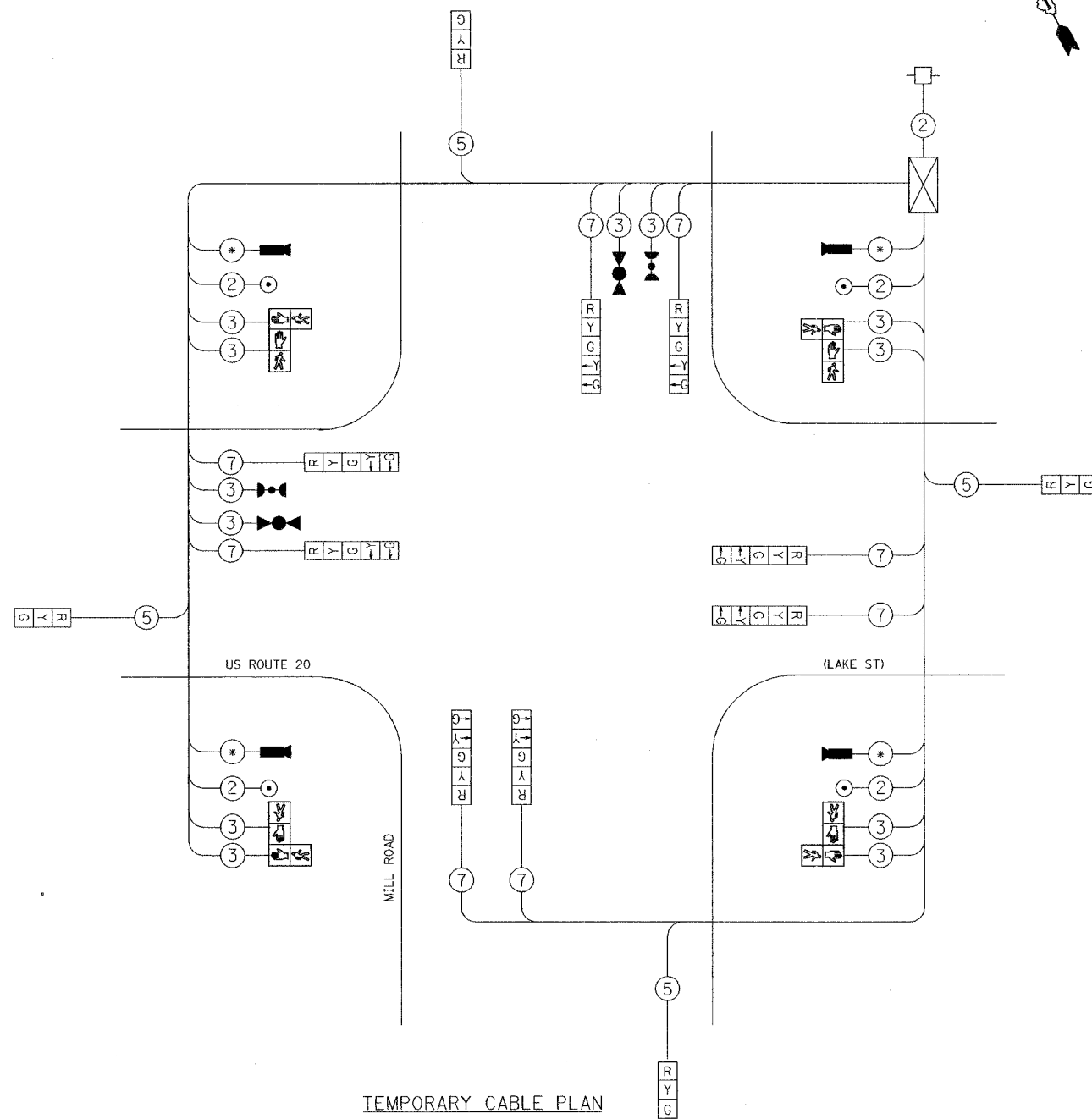
PHASE DESIGNATION DIAGRAM

SEE SIGNAL OPERATION NOTE, THIS SHEET.

SIGNAL OPERATION NOTE:
 OPPOSING LEFT-TURN MOVEMENTS MAY NOT BE POSSIBLE IN ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY THE ENGINEER, TO PROVIDE ALTERNATE PHASING (E.G., LEAD/LAG LEFT-TURNS, PROTECTED ONLY LEFT TURNS, ETC.), TO FACILITATE TRAFFIC FLOW. THIS WORK MAY INCLUDE REPLACING 3-SECTION HEADS WITH 5-SECTION HEADS, CONTROLLER/CABINET MODIFICATIONS AND ADJUSTMENTS, AND LOCAL /SYSTEM TIMING ADJUSTMENTS.

TEMPORARY CABLE DIAGRAM LEGEND

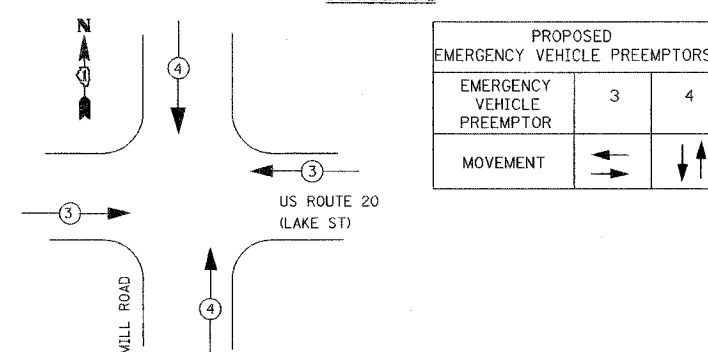
- R 12" (300mm) TRAFFIC SIGNAL SECTION
- ☒ CONTROLLER CABINET
- ☐ SERVICE INSTALLATION
- ⑤ DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14, EXCEPT AS INDICATED.
- ▶ EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- ☐ VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- ▶ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ▶ VIDEO VEHICLE SENSOR
- ④ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
- AS PER MANUFACTURER'S RECOMMENDATION



TEMPORARY CABLE PLAN

NOT TO SCALE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

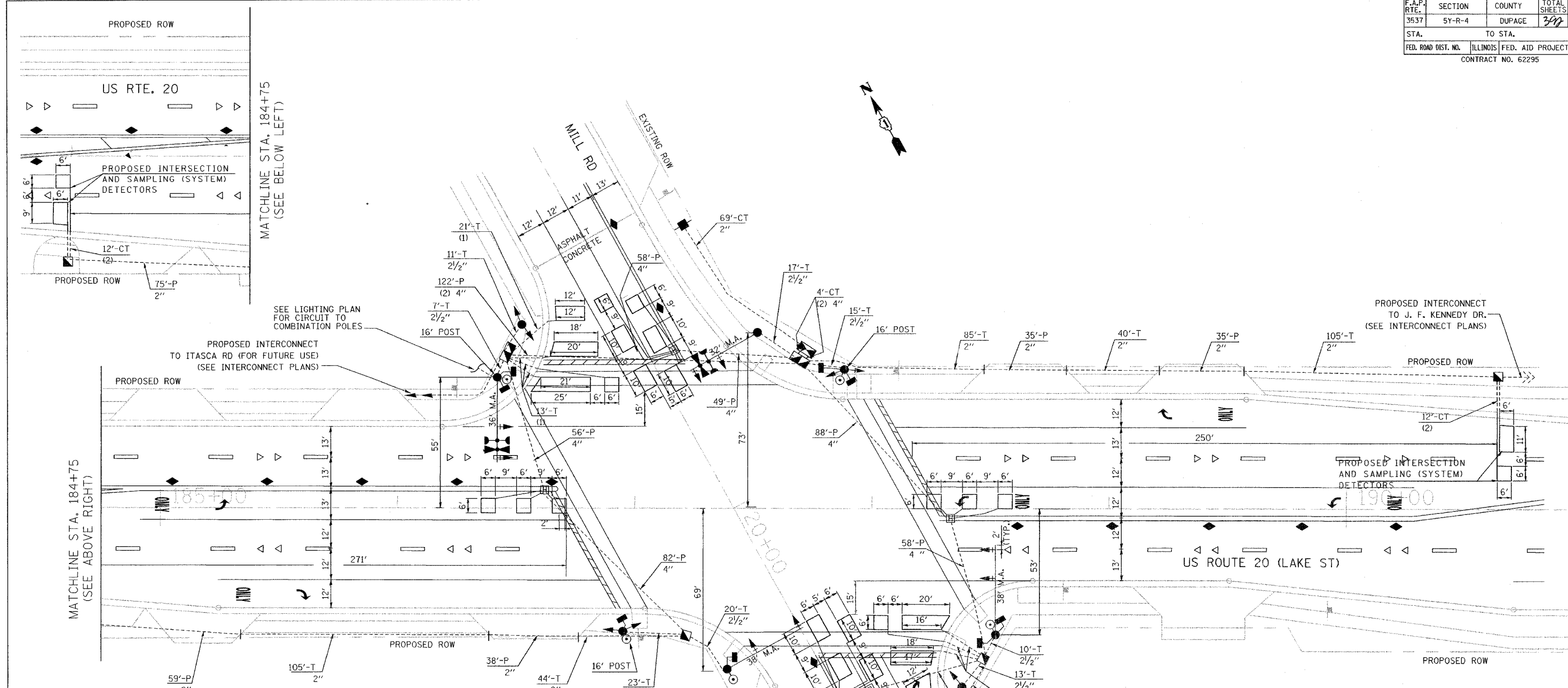


I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	810.00
(YELLOW)	12	135	25	0.25	405.00
(GREEN)	12	135	15	0.25	405.00
ARROW	16	135	12	0.10	216.00
PED. SIGNAL	8	90	25	1.00	720.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER				0.50	--
ENERGY COSTS TO:					TOTAL = 2656.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: KATHY NYSTROM
 PHONE: (847) 816-5489
 COMPANY: COM. ED.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM US ROUTE 20 (LAKE ST) & MILL ROAD DRAWN BY: MJH DESIGNED BY: MJH CHECKED BY: RN SCALE: NONE DATE: 03/01/05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	342	248
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



TRAFFIC SIGNAL LEGEND

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

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

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

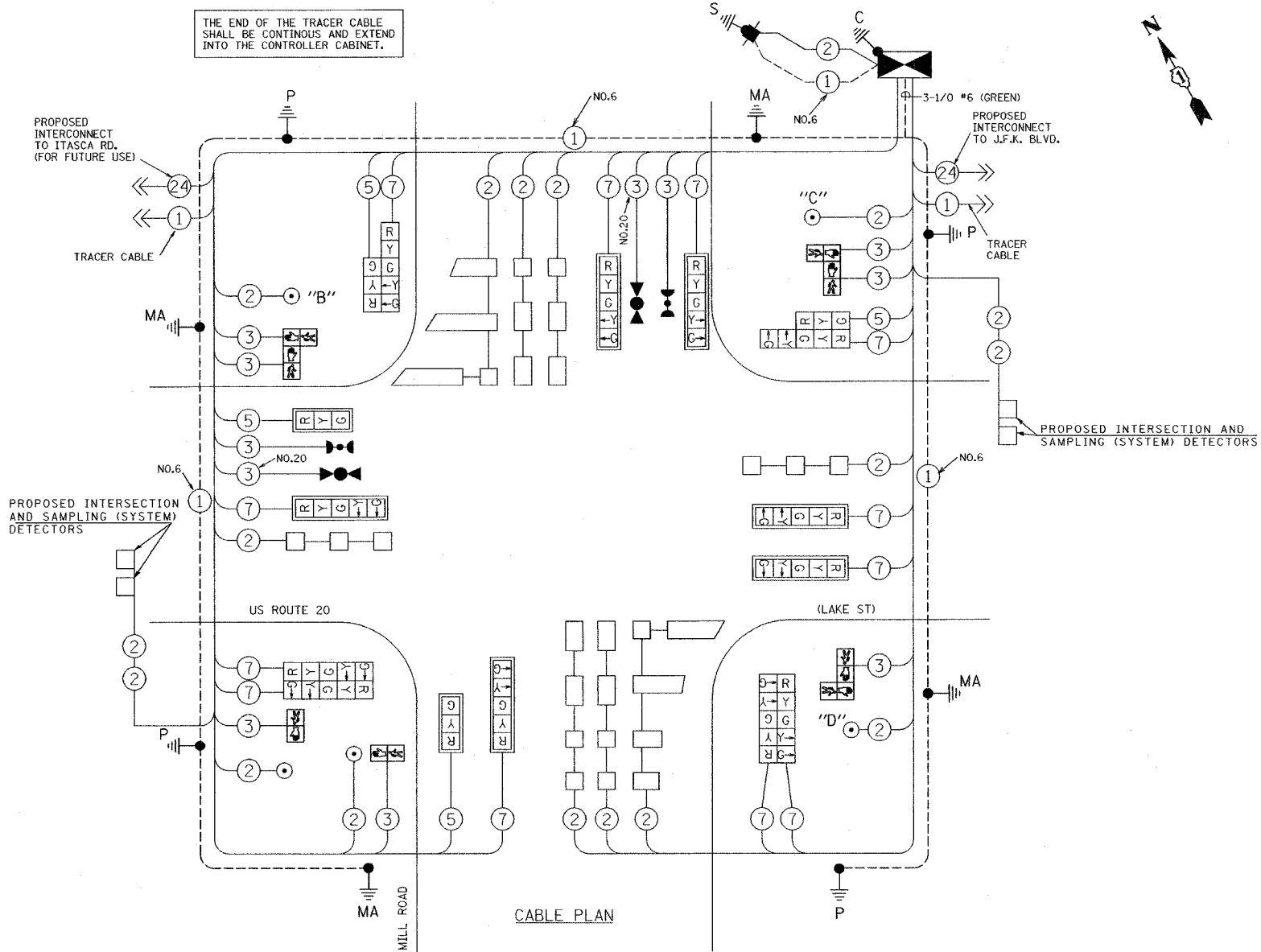
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
 US ROUTE 20 (LAKE ST) & MILL RD

SCALE: 1"=20'
 DATE: 03/01/05
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN

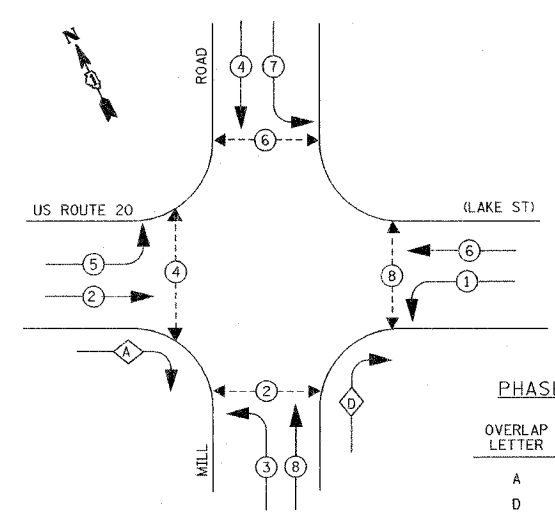
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	399	249
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



NOTES:
 PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6
 PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8
 PUSHBUTTON "D" SHALL PLACE A CALL TO PHASES 2 AND 8

CONTROLLER SEQUENCE



- LEGEND
- DUAL ENTRY PHASE
 - PROTECTED ONLY LEFT TURN PHASE
 - OVERLAP
 - PEDESTRIAN PHASE

CABLE PLAN LEGEND

- | EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|---|
| [Symbol] | [Symbol] | 8" (200mm) TRAFFIC SIGNAL SECTION |
| [Symbol] | [Symbol] | 12" (300mm) TRAFFIC SIGNAL SECTION |
| [Symbol] | [Symbol] | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| [Symbol] | [Symbol] | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| [Symbol] | [Symbol] | CONTROLLER CABINET |
| [Symbol] | [Symbol] | 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] | MICROWAVE VEHICLE SENSOR |
| [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 (H), DOUBLE HANDHOLE (HD), OR CONTROLLER (C). |
| [Symbol] | [Symbol] | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| [Symbol] | [Symbol] | GROUND ROD AT ELECTRIC 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 |

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	24	135	12	0.10	28.80
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	--
TOTAL =					632.00

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'-H-2"
E - M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 20 (LAKE STREET) & MILL RD.

SCALE: NONE

DATE: 03/01/05

DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	250
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR, WITH THE EXCEPTION OF THE EMERGENCY PRE-EMPTION EQUIPMENT WHICH WILL BE RELOCATED FROM THE EXISTING LOCATION.
- 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 HEAD 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.

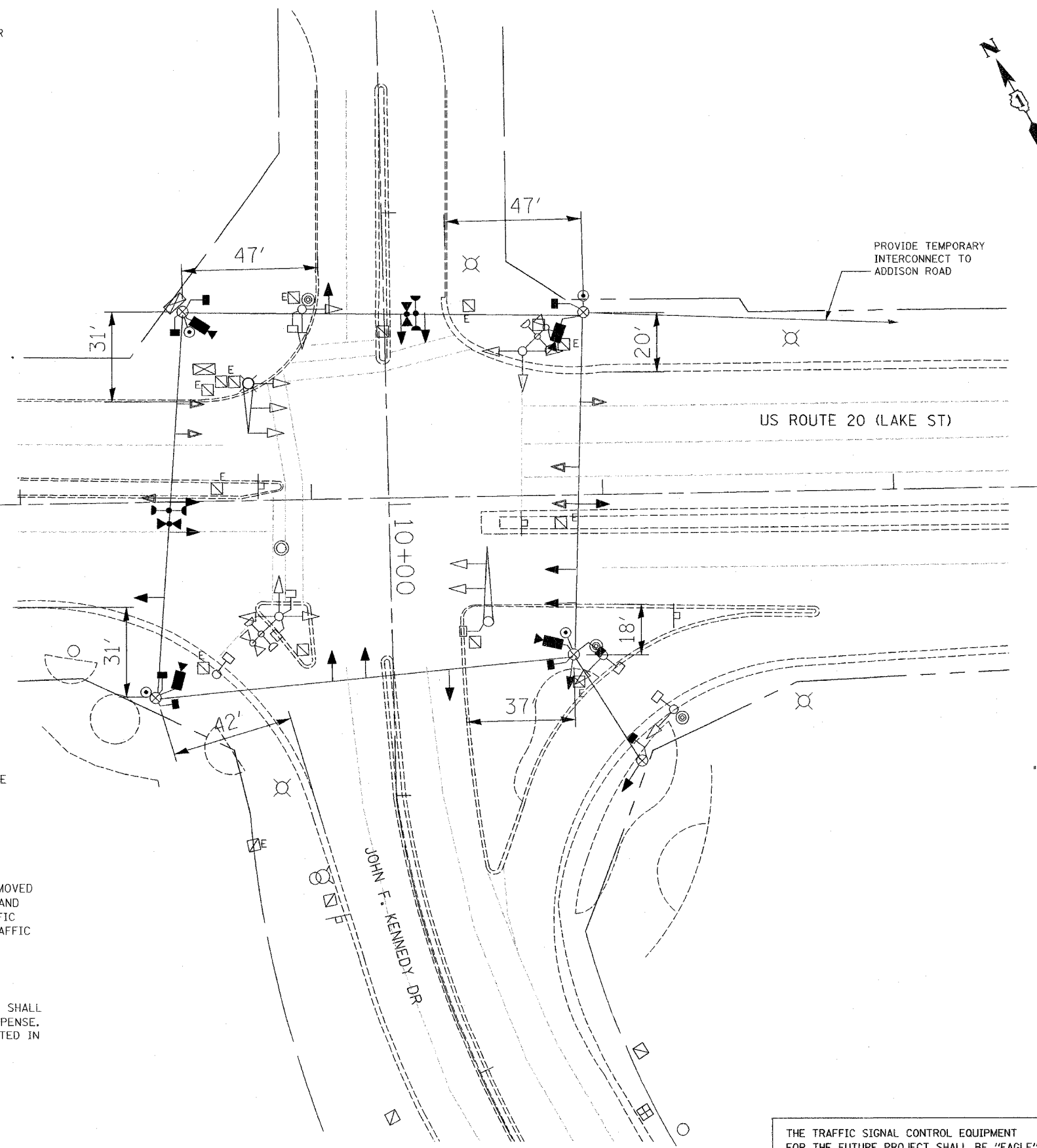
SIGNAL OPERATION NOTE:
 OPPOSING LEFT-TURN MOVEMENTS MAY NOT BE POSSIBLE IN ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY THE ENGINEER, TO PROVIDE ALTERNATE PHASING (E.G., LEAD/LAG LEFT-TURNS, PROTECTED ONLY LEFT TURNS, ETC.), TO FACILITATE TRAFFIC FLOW. THIS WORK MAY INCLUDE REPLACING 3-SECTION HEADS WITH 5-SECTION HEADS, CONTROLLER/CABINET MODIFICATIONS AND ADJUSTMENTS, AND LOCAL /SYSTEM TIMING ADJUSTMENTS. PEDESTRIAN PHASES MAY BE DISABLED FOR CONSTRUCTION SEQUENCES, IF AUTHORIZED BY THE ENGINEER.

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 - 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 CONTRACT BID PRICE.

- 6 - SIGNAL HEADS, 3-SECTION
- 8 - SIGNAL HEADS, 5-SECTION
- 2 - MAST ARM ASSEMBLY AND POLE
- 5 - POSTS
- 4 - BACKPLATES
- 8 - PEDESTRIAN PUSH-BUTTON
- 9 - PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 - SERVICE INSTALLATION



TEMPORARY TRAFFIC SIGNAL LEGEND

- ← TEMPORARY TRAFFIC SIGNAL HEAD
- ← SPAN WIRE MOUNTED ORIGINAL LOCATION
- ← 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
- VIDEO 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 TRENCH OR PUSHED
- HANDHOLE
- HEAVY DUTY HANDHOLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

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

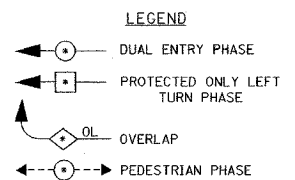
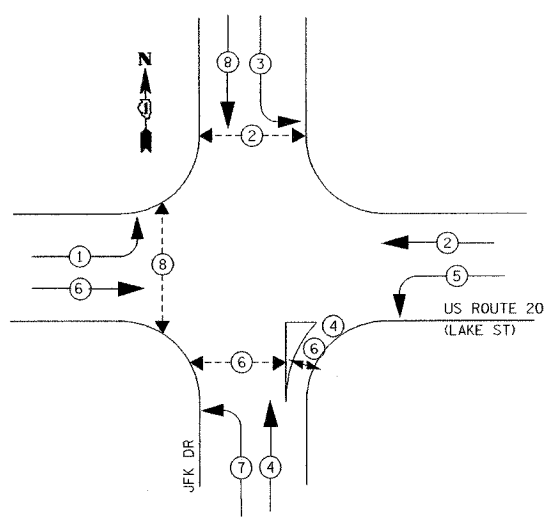
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE FUTURE PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVE EXISTING
 TRAFFIC SIGNAL EQUIPMENT**
 US ROUTE 20 (LAKE ST) & J. F. KENNEDY BLVD.
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN
 SCALE: 1"=20'
 DATE: 11/10/04

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TEMPORARY CONTROLLER SEQUENCE

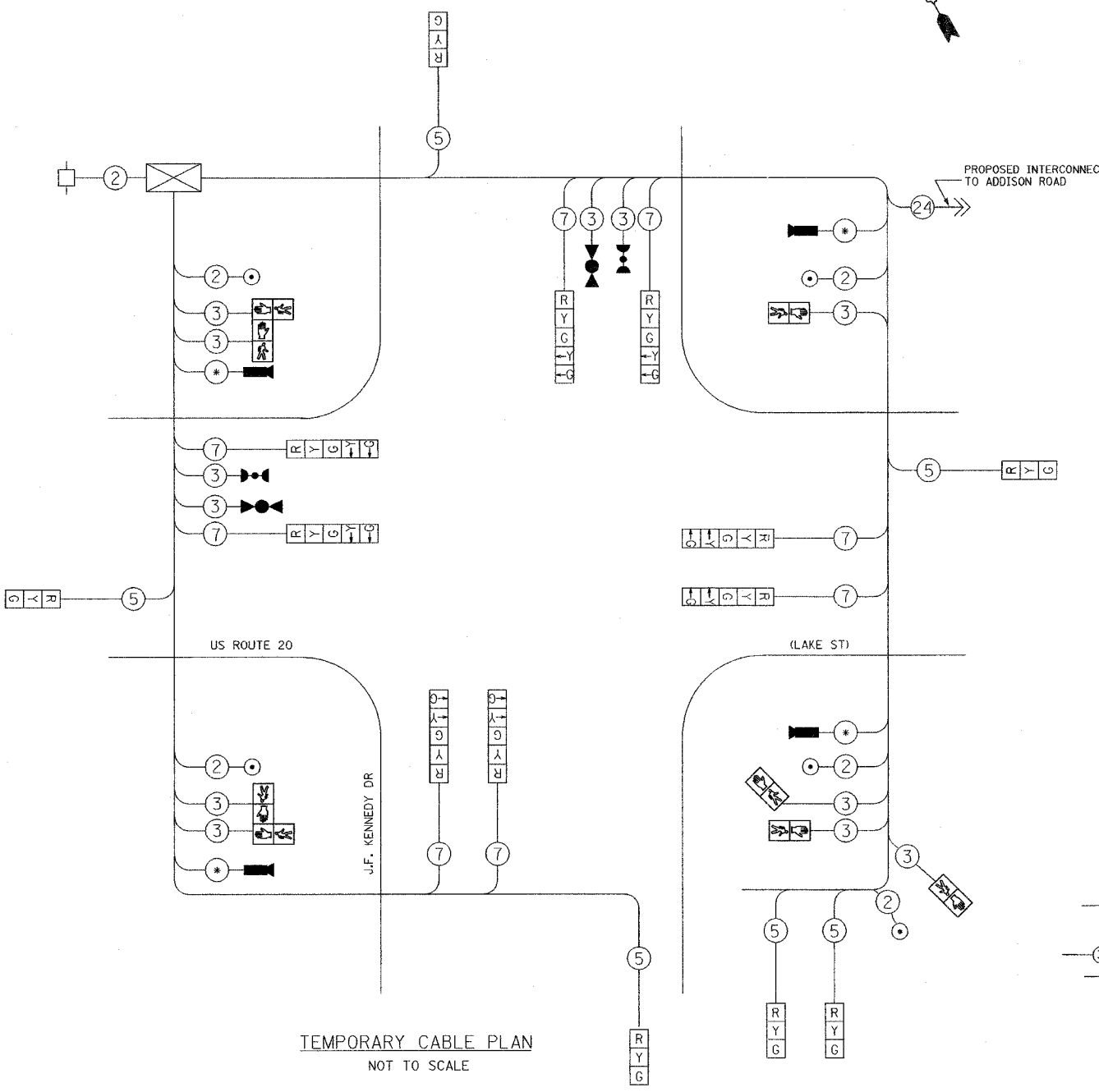


PHASE DESIGNATION DIAGRAM
SEE SIGNAL OPERATION NOTE, THIS SHEET.

SIGNAL OPERATION NOTE:
OPPOSING LEFT-TURN MOVEMENTS MAY NOT BE POSSIBLE IN ALL STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY THE ENGINEER, TO PROVIDE ALTERNATE PHASING (E.G., LEAD/LAG LEFT-TURNS, PROTECTED ONLY LEFT TURNS, ETC.), TO FACILITATE TRAFFIC FLOW. THIS WORK MAY INCLUDE REPLACING 3-SECTION HEADS WITH 5-SECTION HEADS, CONTROLLER/CABINET MODIFICATIONS AND ADJUSTMENTS, AND LOCAL /SYSTEM TIMING ADJUSTMENTS.

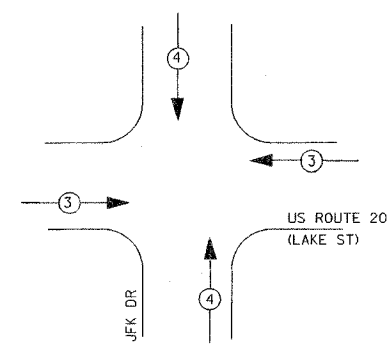
TEMPORARY CABLE DIAGRAM LEGEND

- 12" (300mm) TRAFFIC SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14, EXCEPT AS INDICATED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE SENSOR
- FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
- AS PER MANUFACTURER'S RECOMMENDATION



TEMPORARY CABLE PLAN
NOT TO SCALE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

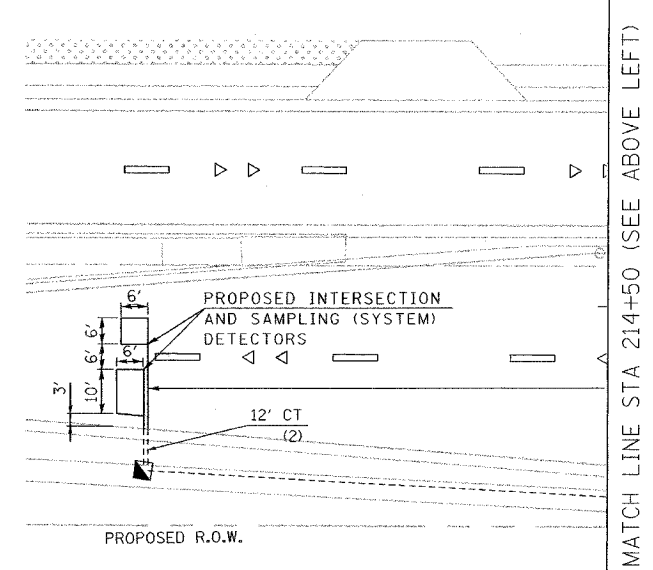
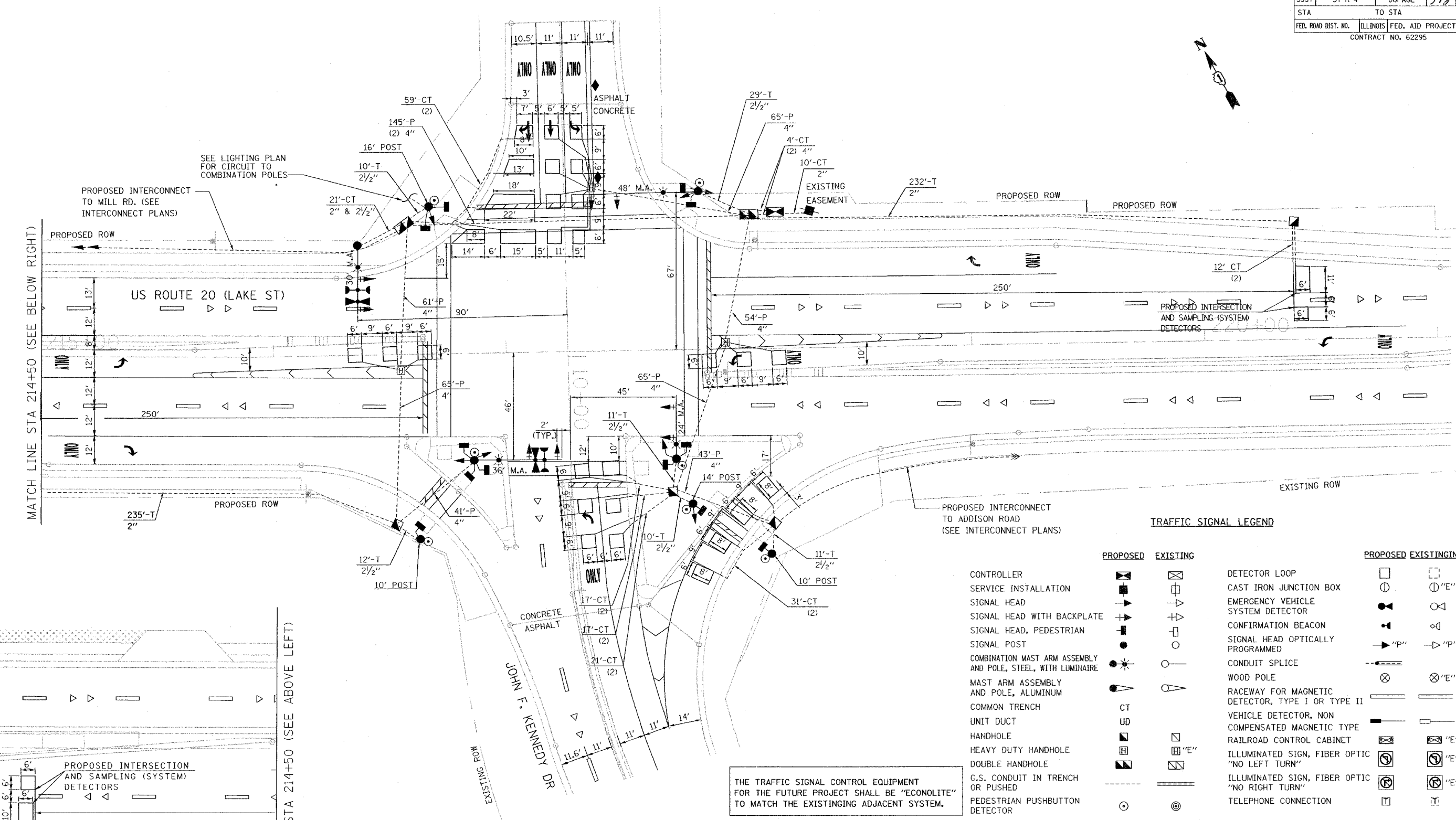
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	OPERATION	
SIGNAL (RED)	12	135	17	0.50	810.00
(YELLOW)	12	135	25	0.25	405.00
(GREEN)	12	135	15	0.25	405.00
ARROW	16	135	12	0.10	216.00
PED. SIGNAL	8	90	25	1.00	720.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER				0.50	--
TOTAL =					2656.00

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'H-2"
E - M. ARM POLE		SIGNAL POST	2 (1.0)	16mH-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)

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM
US ROUTE 20 (LAKE ST) & JOHN F. KENNEDY DR
DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN
SCALE: NONE
DATE: 03/01/05



TRAFFIC SIGNAL LEGEND

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

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

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

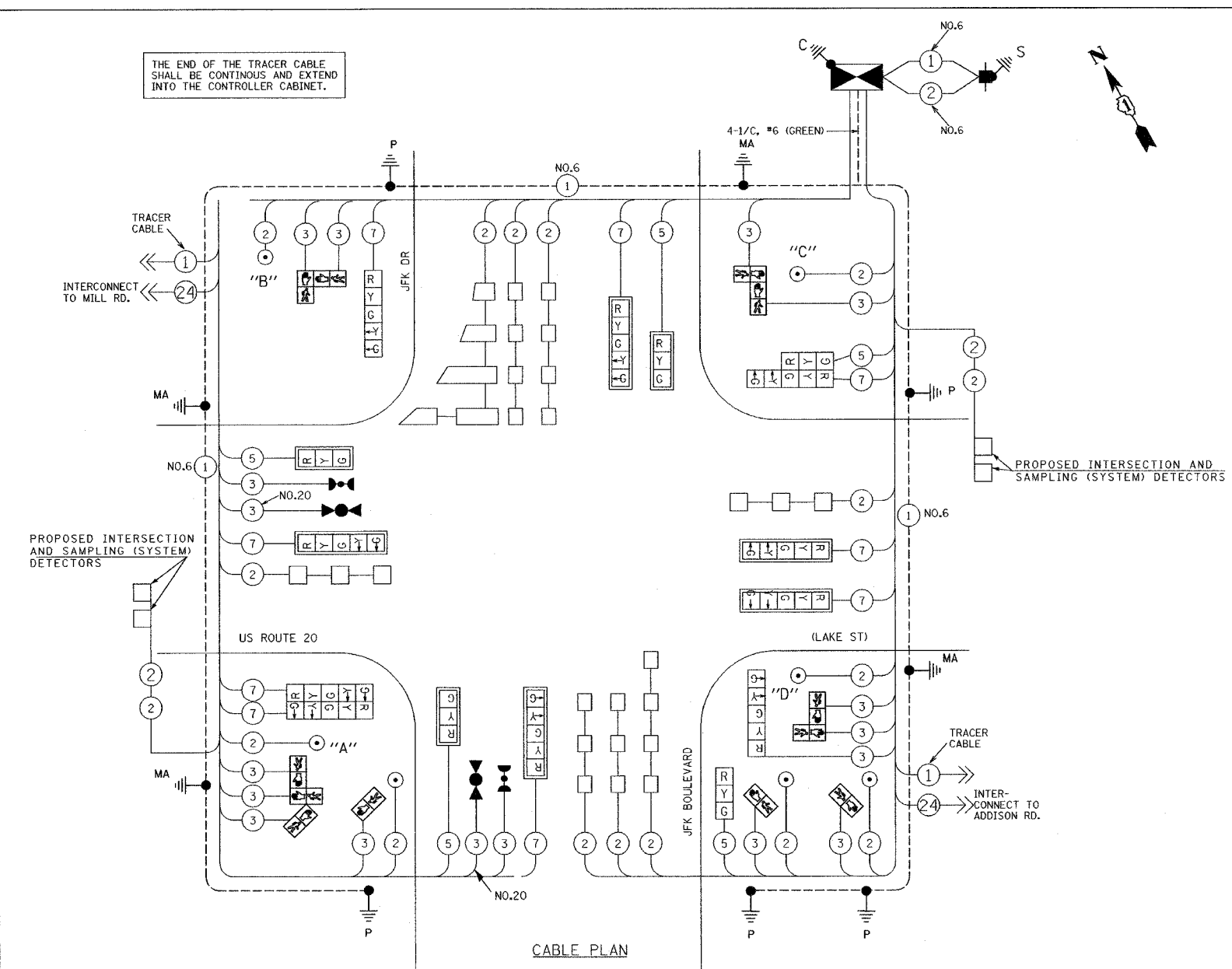
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
 US ROUTE 20 (LAKE ST) &
 JOHN F. KENNEDY DR
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN
 SCALE: 1"=20'
 DATE: 03/01/05

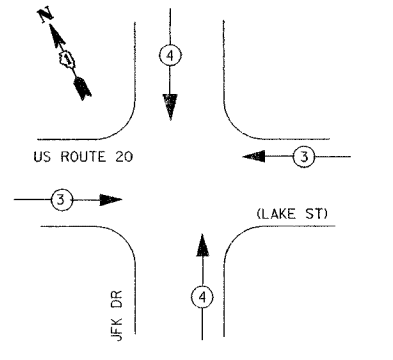
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	253
STA.	TO STA.			
FED. ROAD DIST NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				

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

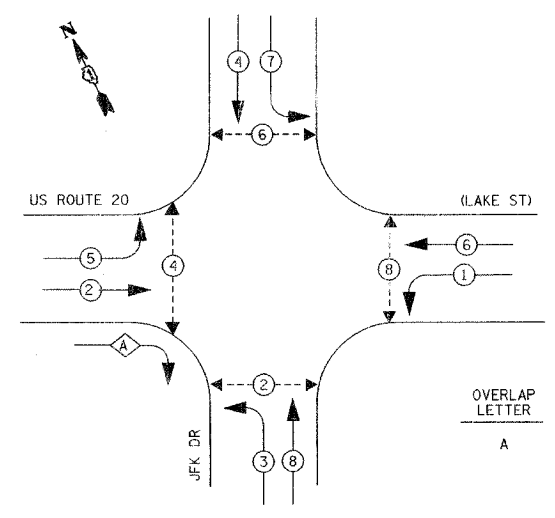


EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

CONTROLLER SEQUENCE



- LEGEND**
- ← ○ → DUAL ENTRY PHASE
 - ← □ → PROTECTED ONLY LEFT TURN PHASE
 - ← ○ OL → OVERLAP
 - ← ○ → PEDESTRIAN PHASE

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

PHASE DESIGNATION DIAGRAM

CABLE PLAN LEGEND

- | | | | | | | | | | |
|--|-----------------|--|-----------------|---|--|-----------------|--|-----------------|---|
| | EXISTING | | PROPOSED | 8" (200mm) TRAFFIC SIGNAL SECTION | | EXISTING | | PROPOSED | RAILROAD CONTROL CABINET |
| | EXISTING | | PROPOSED | 12" (300mm) TRAFFIC SIGNAL SECTION | | EXISTING | | PROPOSED | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN" |
| | EXISTING | | PROPOSED | 12" (300mm) PEDESTRIAN SIGNAL SECTION | | EXISTING | | PROPOSED | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN" |
| | EXISTING | | PROPOSED | CONTROLLER CABINET | | EXISTING | | PROPOSED | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C). |
| | EXISTING | | PROPOSED | SERVICE INSTALLATION | | EXISTING | | PROPOSED | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| | EXISTING | | PROPOSED | TELEPHONE CONNECTION | | EXISTING | | PROPOSED | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | EXISTING | | PROPOSED | MAGNETIC DETECTOR | | EXISTING | | PROPOSED | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | EXISTING | | PROPOSED | EMERGENCY VEHICLE LIGHT DETECTOR | | EXISTING | | PROPOSED | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F |
| | EXISTING | | PROPOSED | CONFIRMATION BEACON | | EXISTING | | PROPOSED | MICROWAVE VEHICLE SENSOR |
| | EXISTING | | PROPOSED | PUSHBUTTON DETECTOR | | | | | |
| | EXISTING | | PROPOSED | VEHICLE DETECTOR, INDUCTION LOOP | | | | | |
| | EXISTING | | PROPOSED | DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. | | | | | |

NOTES:
 PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 AND 4
 PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6
 PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8
 PUSHBUTTON "D" SHALL PLACE A CALL TO PHASES 2 AND 8

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	
SIGNAL (RED)	15	135	17	0.50	127.50
(YELLOW)	15	135	25	0.25	93.75
(GREEN)	15	135	15	0.25	56.25
ARROW	20	135	12	0.10	24.00
PED. SIGNAL	12	90	25	1.00	300.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	--
TOTAL =					701.50

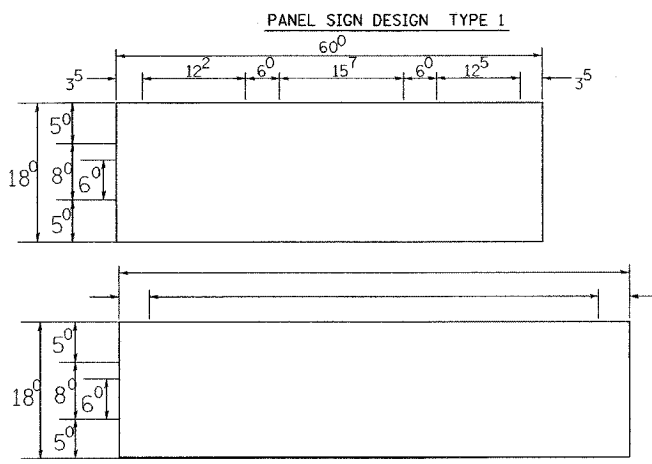
ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: KATHY NYSTROM
 PHONE: (847) 816-5489
 COMPANY: COM. ED.

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'H-L-2"=
E - M. 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)

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

REVISIONS	
NAME	DATE

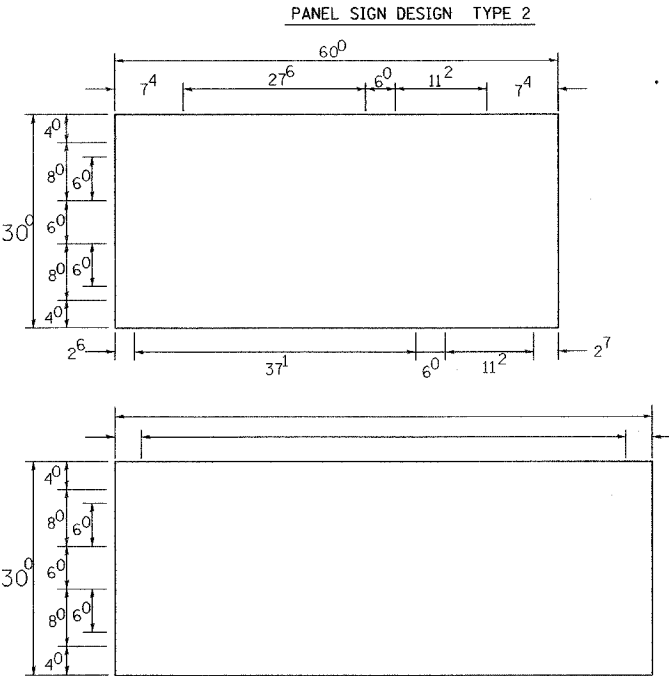
ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 20 (LAKE STREET) & JFK BLVD.
 DRAWN BY: MJH
 DESIGNED BY: MJH
 CHECKED BY: RN
 SCALE: NONE
 DATE: 03/01/05



— Sq. M. each
 8.25 Sq. Ft. each
 — 2 Required
 Design Series D

— Sq. M. each
 9.0 Sq. Ft. each
 — 2 Required
 Design Series C

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS



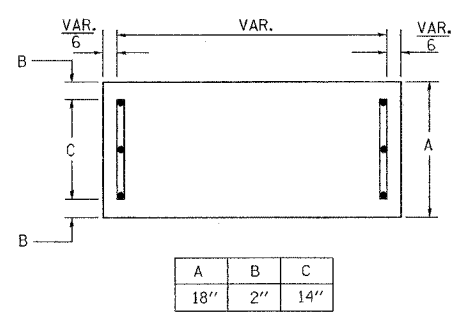
— Sq. M. each
 — Sq. Ft. each
 — Required
 Design Series —

— Sq. M. each
 — Sq. Ft. each
 — Required
 Design Series —

GENERAL NOTES

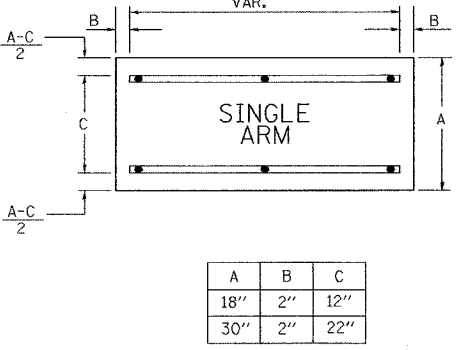
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS 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, SCHAUMBURG, IL
 - * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
 - * TUCKER COMPANY, INC., WAUWATOSA, WI
 - * WESTERN TRAFFIC CONTROL INC., CICERO, IL
- PARTS LISTING:
 SIGN CHANNEL: PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS: 1/4" x 14 x 1" H.W.H. #3
 BRACKETS: SELF TAPPING WITH NEOPRENE WASHER
 PART #HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

SUPPORTING CHANNELS

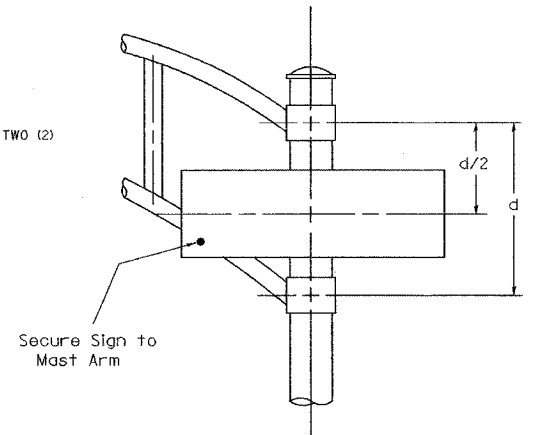


SINGLE ARM

SUPPORTING CHANNELS



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



DUAL ARM
 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															
	acde		bhikl				f w		J		s t		v y		x z	
	g	o	q	m	n	p	r	u	C	D	C	D	C	D	C	D
SERIES	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															
	acde		bhikl				f w		J		s t		v y		x z	
	g	o	q	m	n	p	r	u	C	D	C	D	C	D	C	D
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
adhgi	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
lmnqu																
bfkops	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	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	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	14	15		
7	12	14	12	14	14	15	12	14	05	06	12	14	14	15	11	12	14	15	12	14		
8	16	17	16	17	14	15	12	14	14	15	16	17	12	14	16	17	14	15	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			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

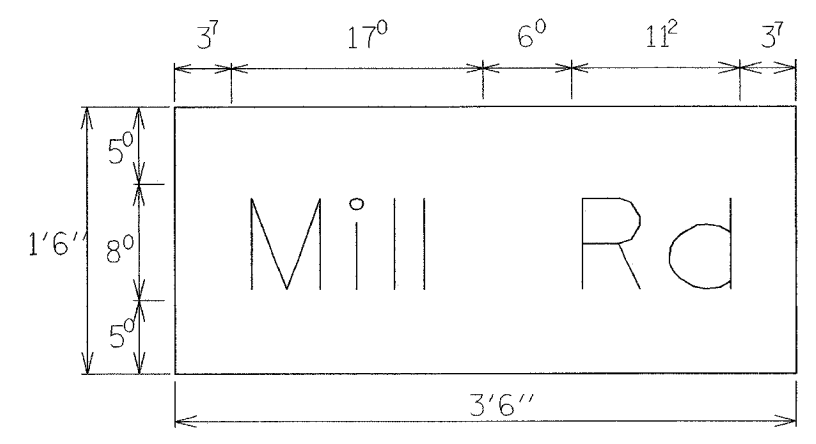
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 MAST ARM MOUNTED STREET NAME SIGNS
 US ROUTE 20 (LAKE STREET)
 SCALE: NONE
 DATE: 03/01/05
 DRAWN BY: RDB
 DESIGNED BY: JHE
 CHECKED BY: DAD

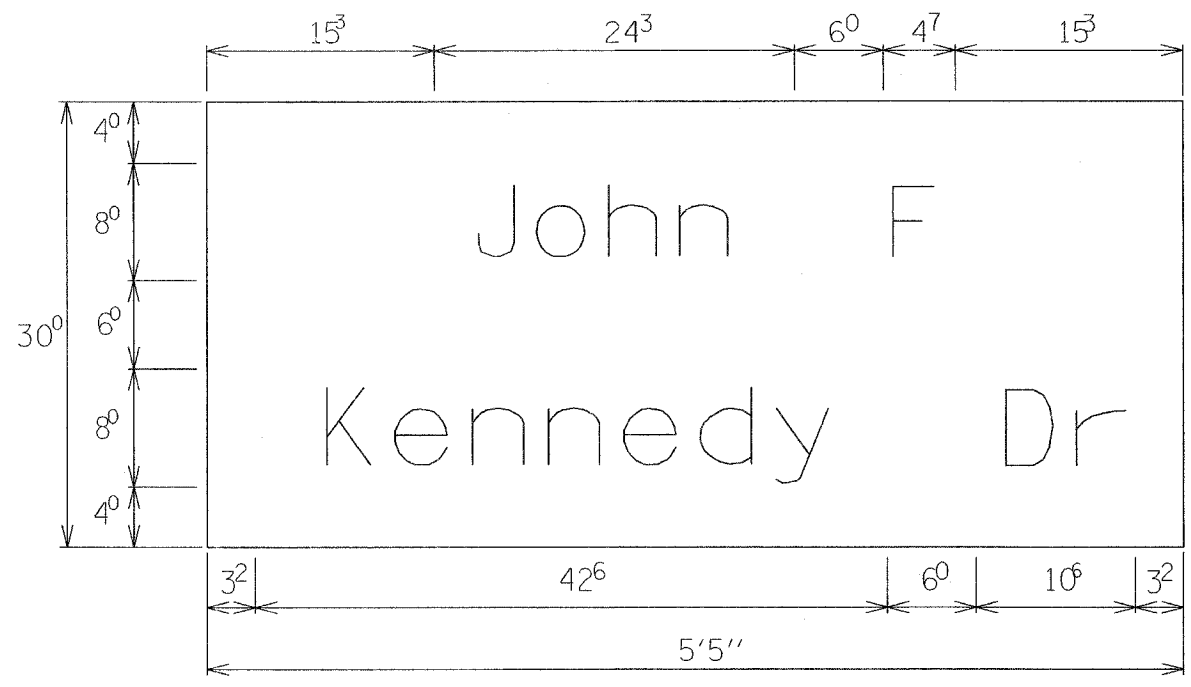
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	255
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				

PANEL SIGN DESIGN TYPE 1

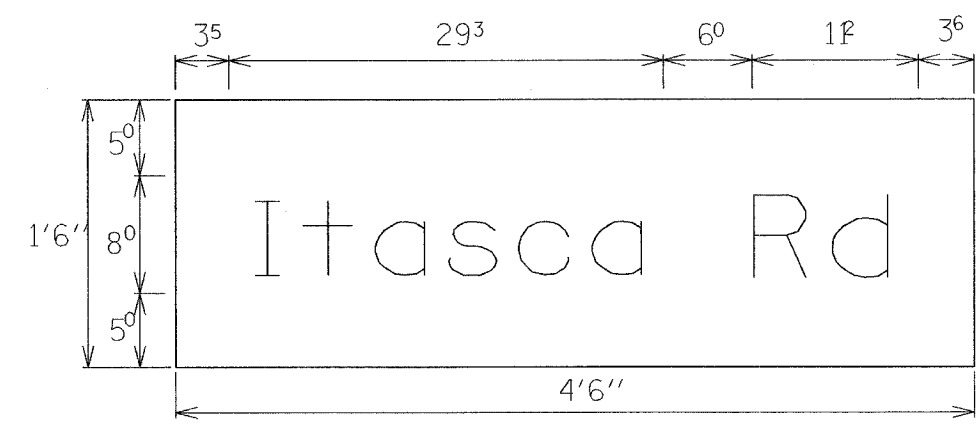
PANEL SIGN DESIGN TYPE 2



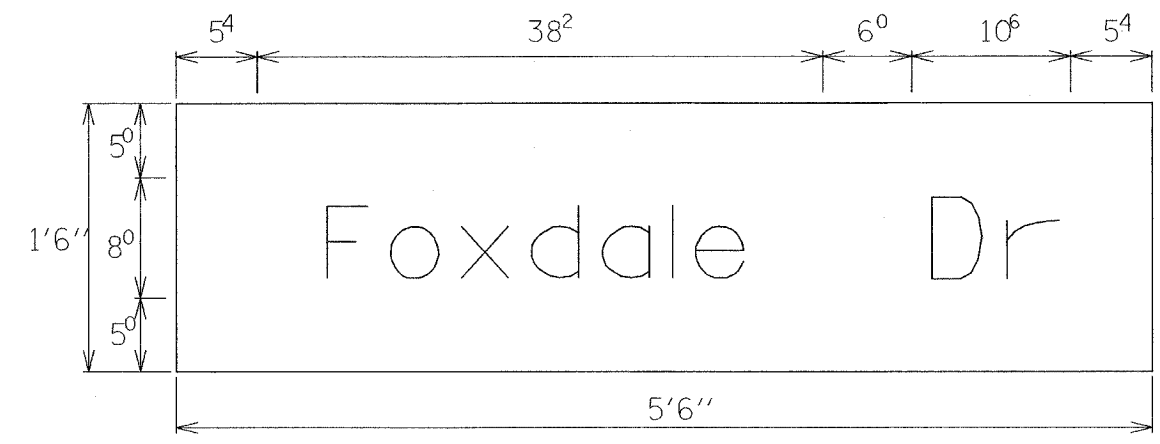
5.25 Sq. Ft. each
 ___ 2 Required
 Design Series D



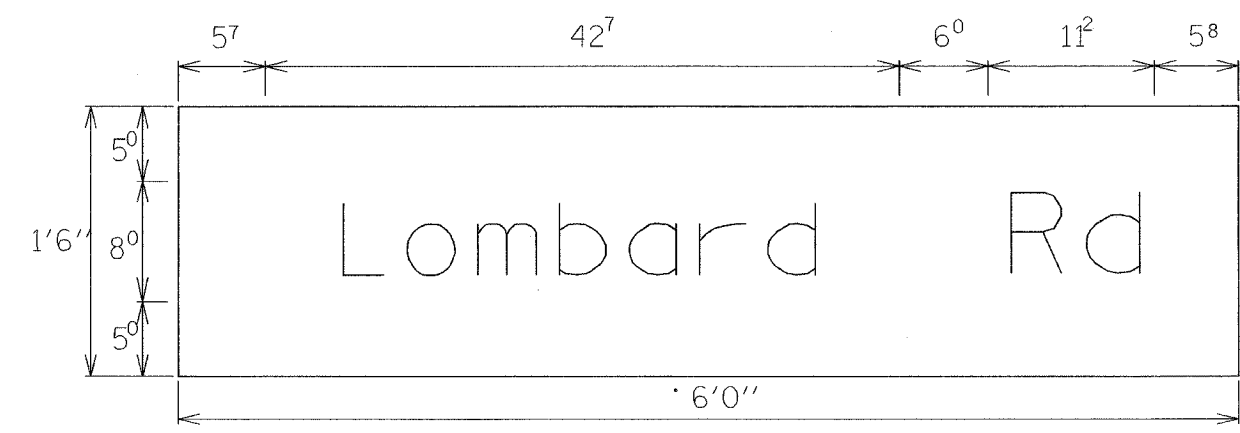
13.75 Sq. Ft. each
 ___ 2 Required
 Design Series D



6.75 Sq. Ft. each
 ___ 2 Required
 Design Series D



8.25 Sq. Ft. each
 ___ 2 Required
 Design Series D

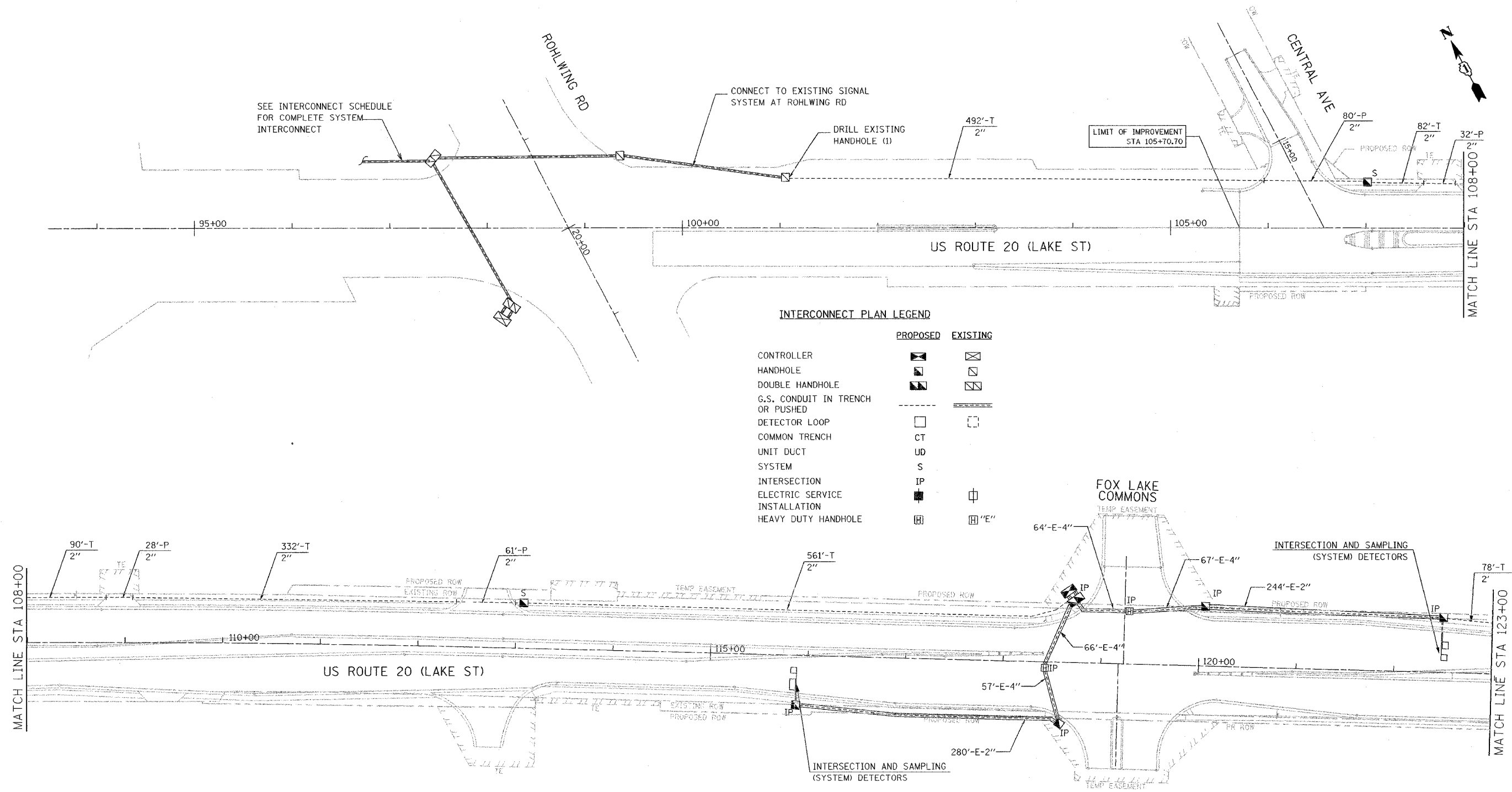


9.00 Sq. Ft. each
 ___ 2 Required
 Design Series D

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 MAST ARM MOUNTED
 STREET NAME SIGNS
 US ROUTE 20 (LAKE STREET)
 SCALE: NONE
 DATE: 03/01/05
 DRAWN BY: RDB
 DESIGNED BY: JHE
 CHECKED BY: DAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	26
STA 105+70.70		TO STA 123+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



- NOTES:**
1. MASTER CONTROLLER AND PHONE FOR THIS "ECONOLITE" SYSTEM INTERCONNECT IS LOCATED AT U.S. ROUTE 20 @ IL. ROUTE 53, EAST RAMPS.
 2. BOTH SYSTEMS WILL BE LINKED BY CONDUIT. HOWEVER, THE FIBER OPTIC CABLE WILL NOT BE CONNECTED BETWEEN THEM. THE EXTRA FIBER OPTIC CABLE TO MAKE THE CONNECTION WILL BE COILED UP AND PLACED IN THE DOUBLE HANDHOLE (TYPICAL).
 3. THE RE-OPTIMIZATION OF EACH "SYSTEM" WILL BE PERFORMED SEPARATELY BY AN I.D.O.T. CERTIFIED "SYSTEMS" ENGINEER.

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

REVISIONS	
NAME	DATE

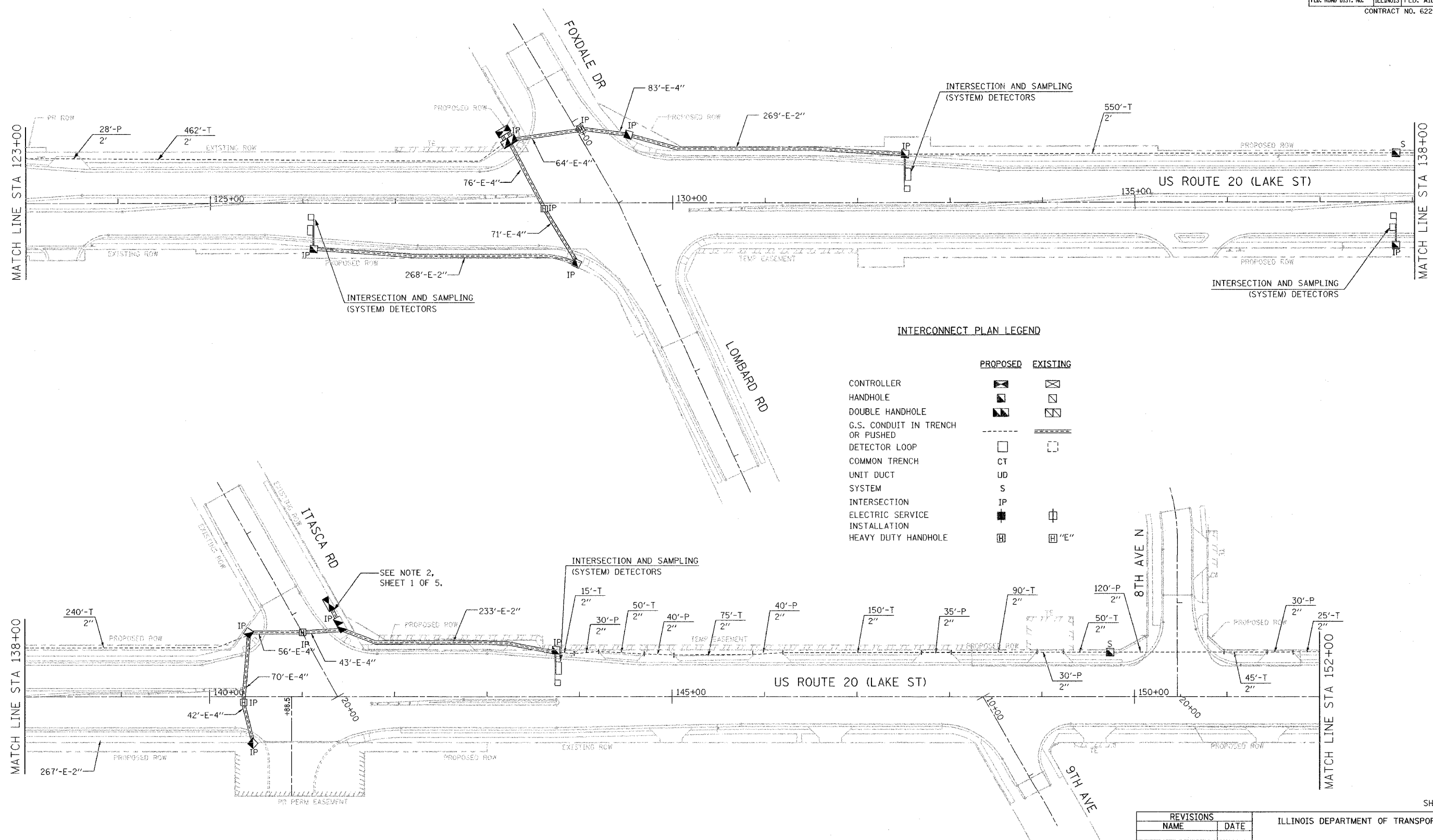
ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	377	257
STA 123+00		TO STA 152+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	☒	☒
HANDHOLE	☐	☐
DOUBLE HANDHOLE	☐	☐
G.S. CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	☐	☐
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	
ELECTRIC SERVICE INSTALLATION	⊕	⊕
HEAVY DUTY HANDHOLE	⊕	⊕ "E"

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

REVISIONS	
NAME	DATE

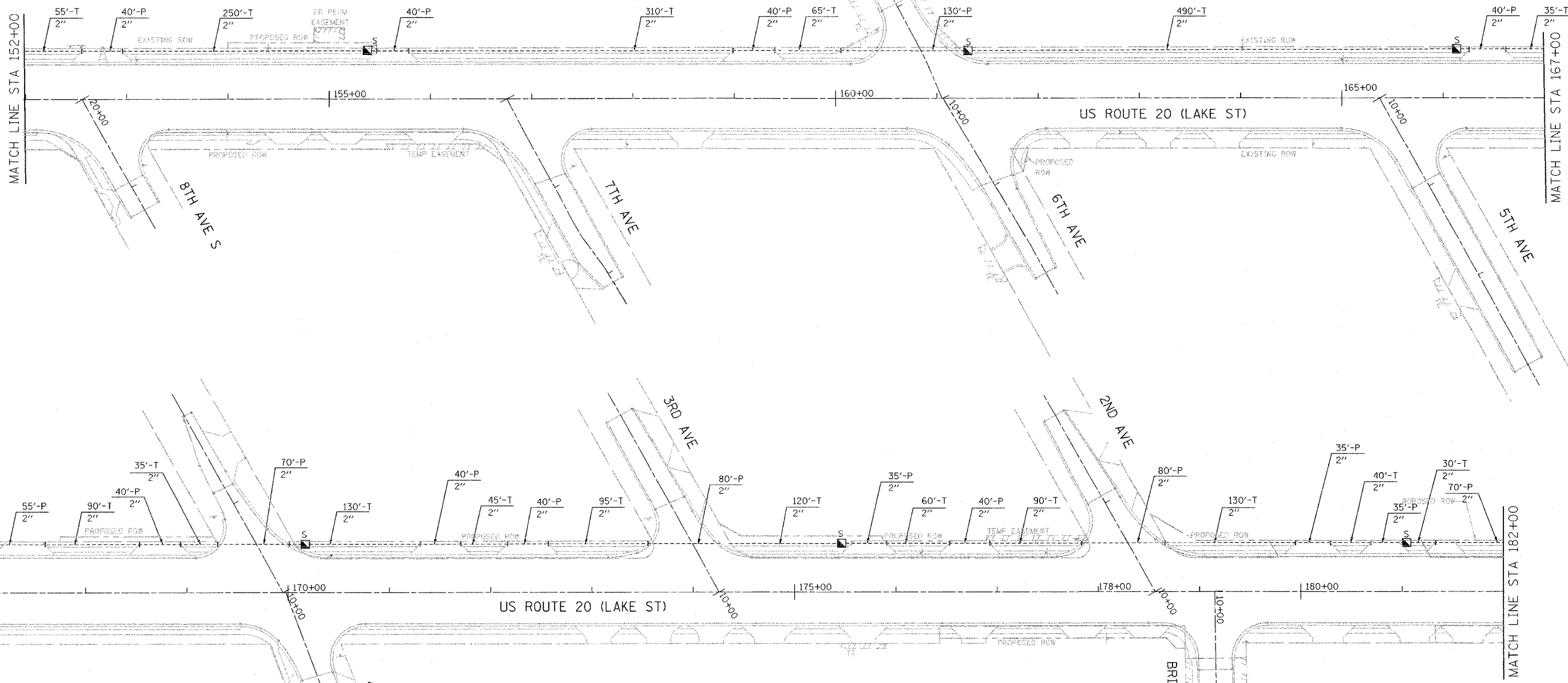
ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3637	5Y-R-4	DUPAGE	392	258
STA 152+00		TO STA 182+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	☒	☒
HANDHOLE	☒	☒
DOUBLE HANDHOLE	☒	☒
G.S. CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	☐	☐
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	
ELECTRIC SERVICE INSTALLATION	■	☐
HEAVY DUTY HANDHOLE	☒	☒ "E"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

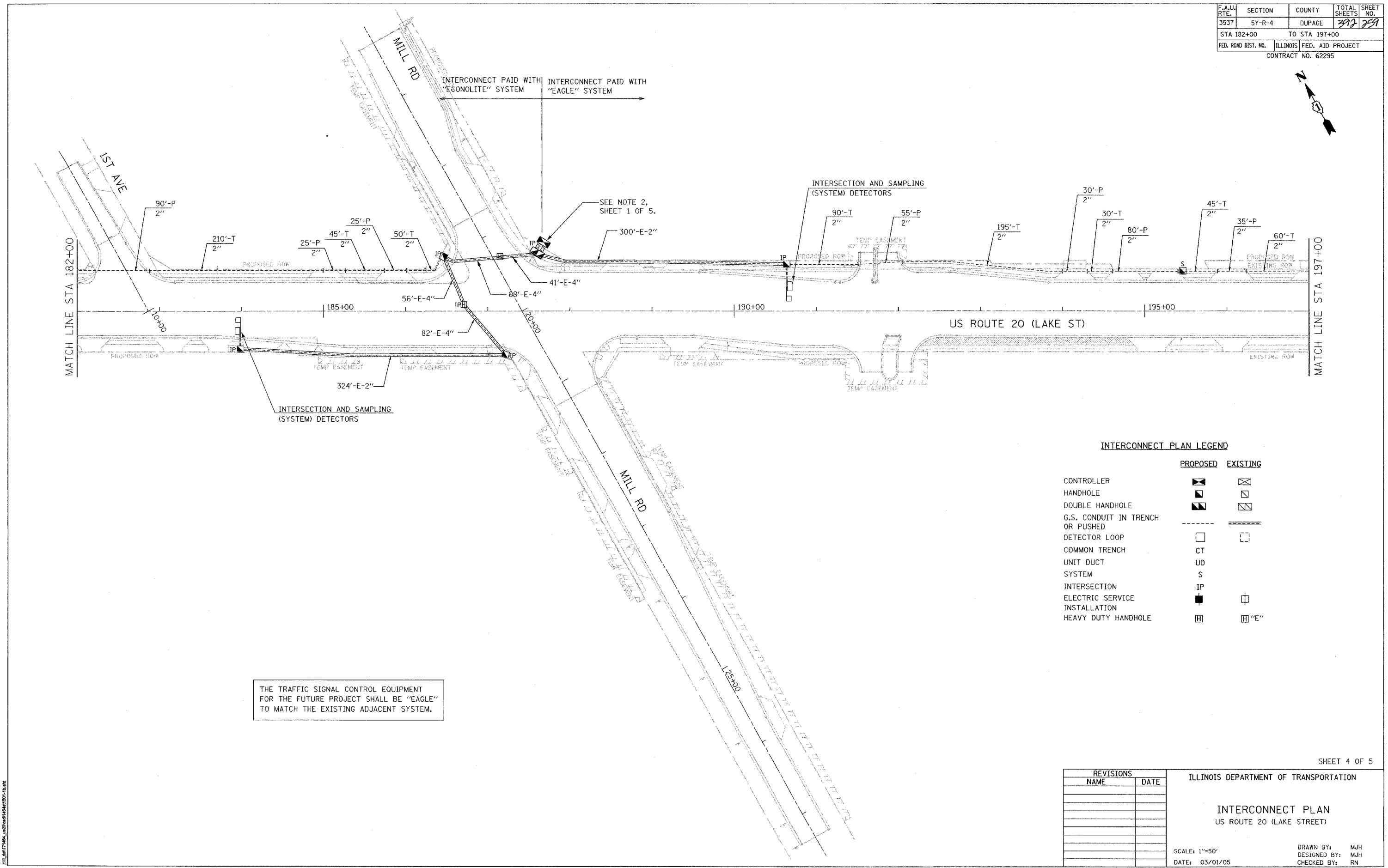
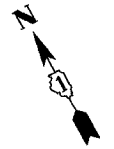
INTERCONNECT PLAN
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DRAWN BY: MJH
DESIGNED BY: MJH
CHECKED BY: RN

18_0417148_0020001.dwg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	289
STA 182+00		TO STA 197+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



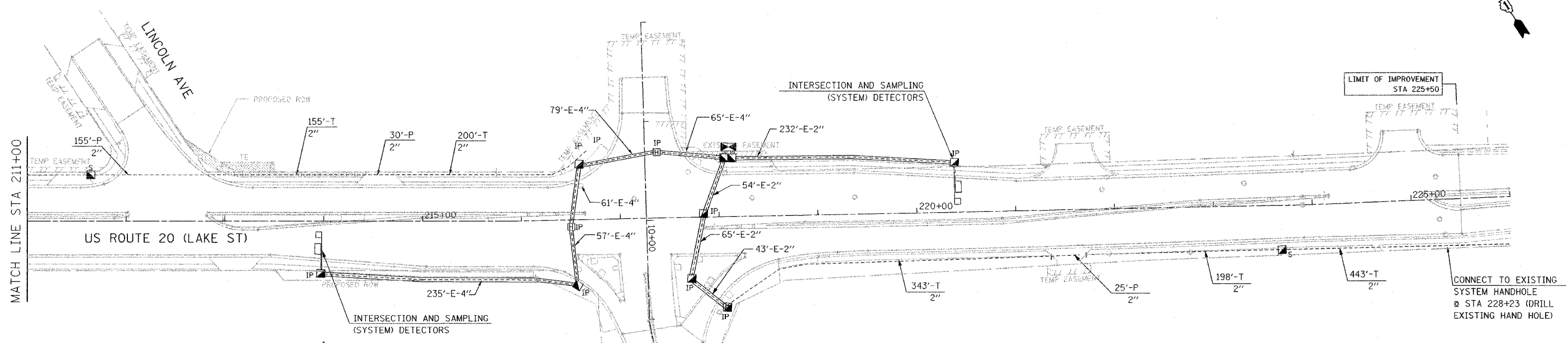
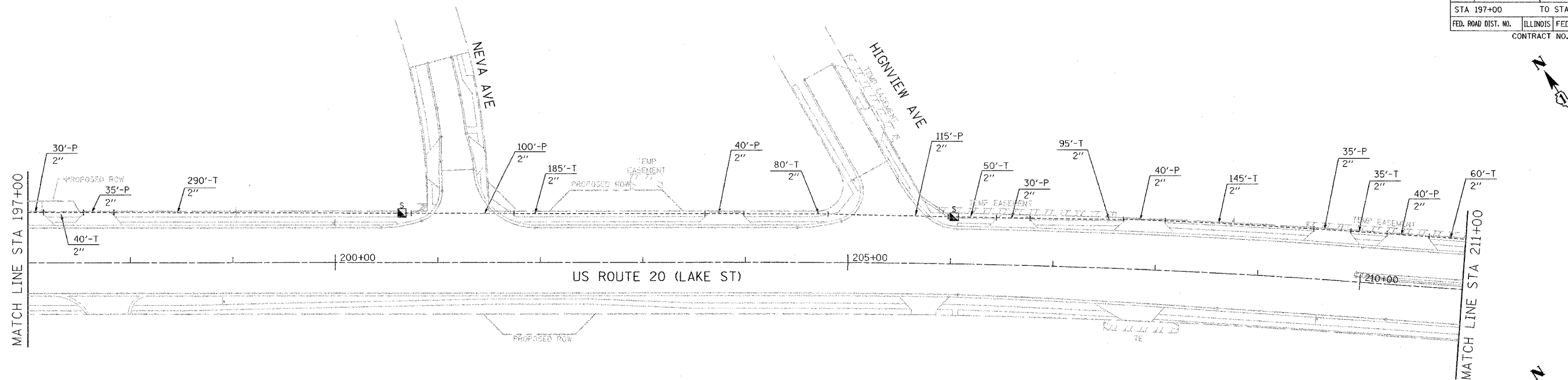
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE FUTURE PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	◼	◻
HANDHOLE	◼	◻
DOUBLE HANDHOLE	◼	◻
G.S. CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	
ELECTRIC SERVICE INSTALLATION	■	◻
HEAVY DUTY HANDHOLE	◻	◻ 'E'

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p style="text-align: center;">INTERCONNECT PLAN US ROUTE 20 (LAKE STREET)</p> <p>SCALE: 1"=50' DATE: 03/01/05</p> <p>DRAWN BY: MJH DESIGNED BY: MJH CHECKED BY: RN</p>

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	260
STA 197+00		TO STA 225+50		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62295	



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	◼	◻
HANDHOLE	◼	◻
DOUBLE HANDHOLE	◼	◻
G.S. CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	
ELECTRIC SERVICE INSTALLATION	■	◻
HEAVY DUTY HANDHOLE	◻	◻ "E"

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

REVISIONS	
NAME	DATE

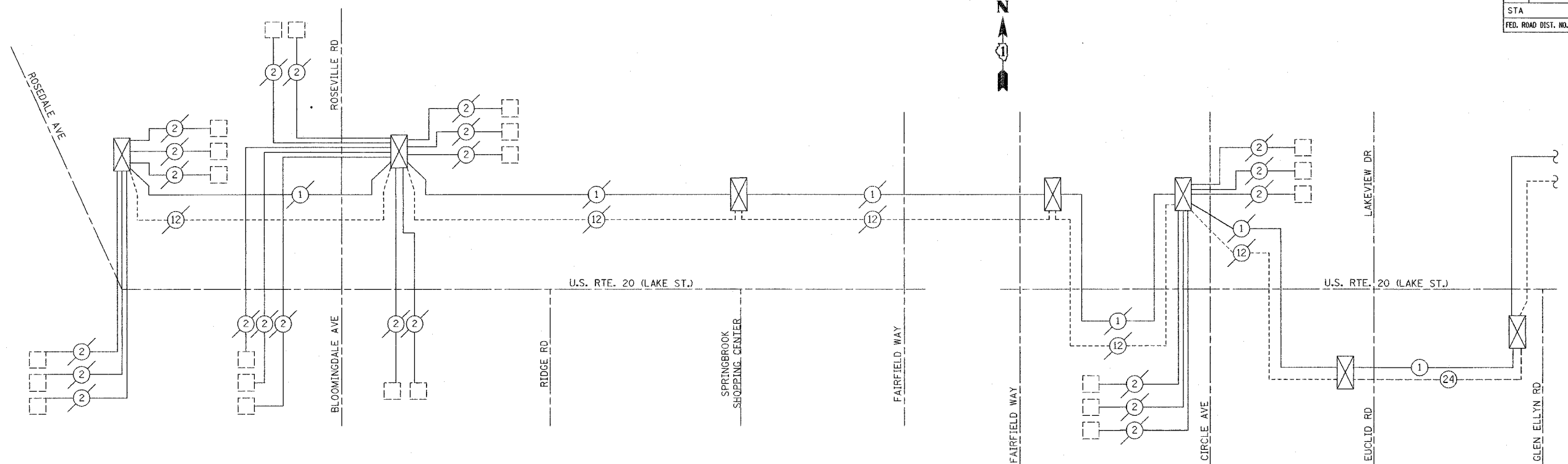
ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
US ROUTE 20 (LAKE STREET)

SCALE: 1"=50'
DATE: 03/01/05

DRAWN BY: ALS
CHECKED BY: RM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	261
STA	TO STA			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

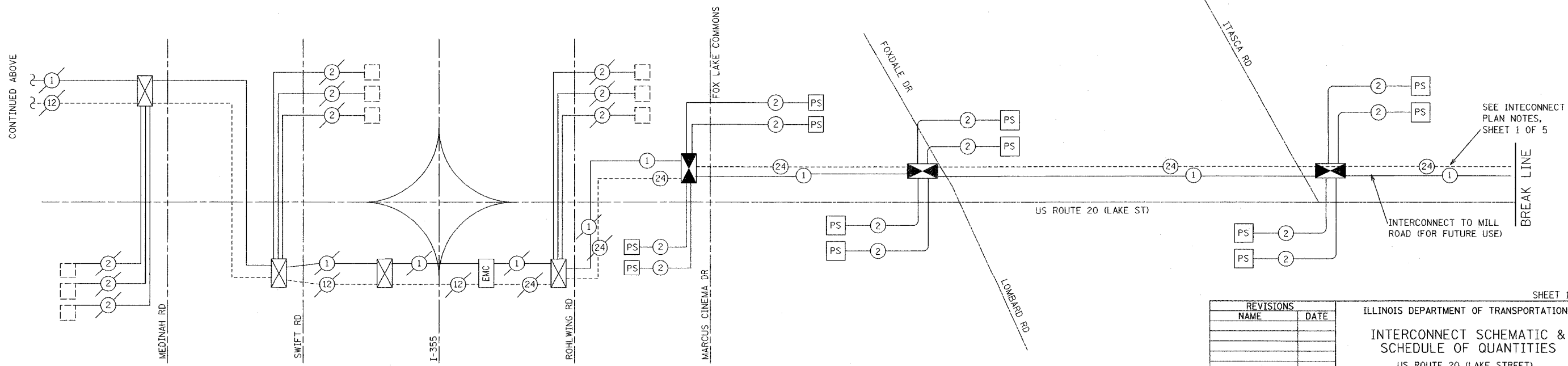


"ECONOLITE" SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1090
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	182
HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1090
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1302
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1302
DRILL EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

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

SEE SHEET 2 OF 2 FOR PLAN LEGEND

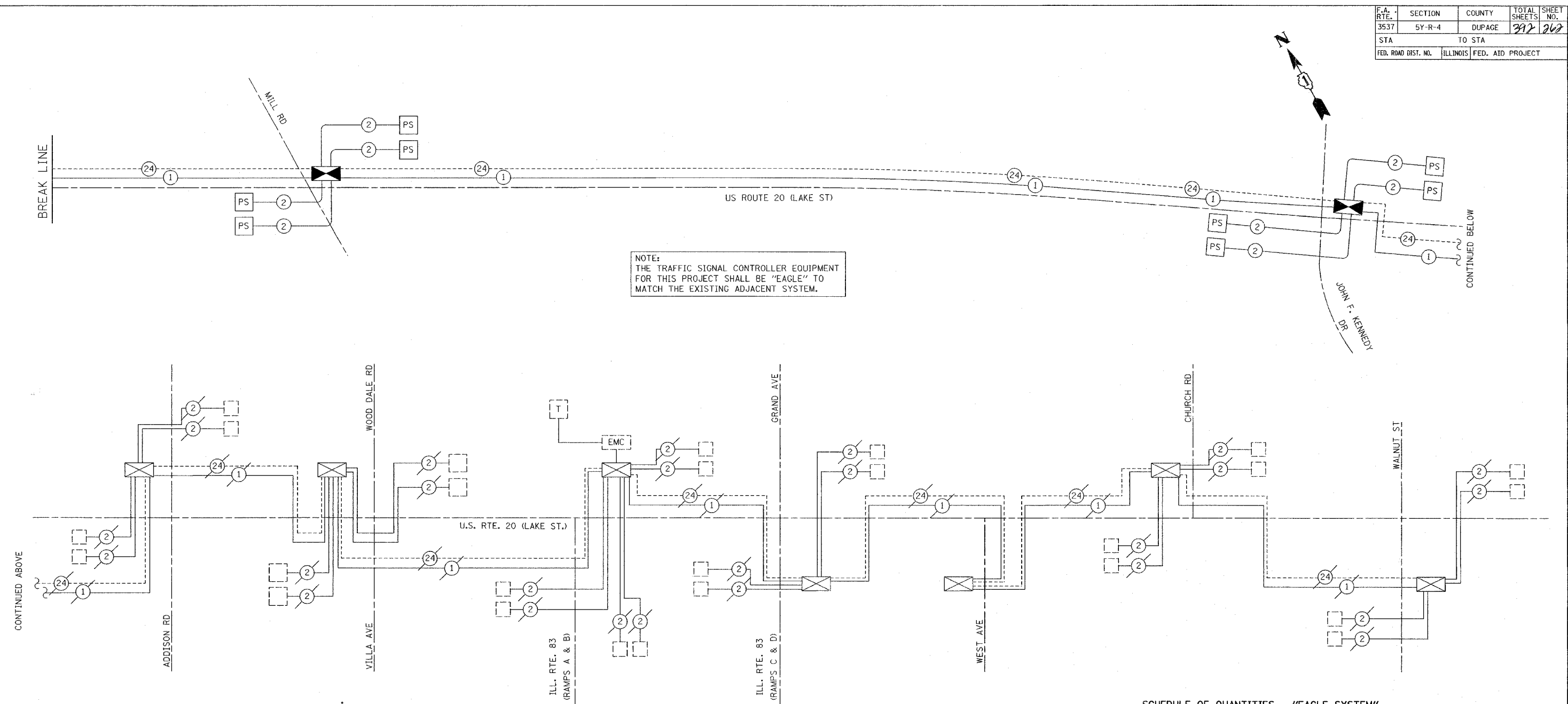
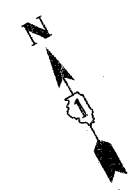


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC & SCHEDULE OF QUANTITIES
US ROUTE 20 (LAKE STREET)
"ECONOLITE" SYSTEM

SCALE: NONE
DATE 03/01/05
DRAWN BY: ALS
CHECKED BY: MJH
CHECKED BY: RN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	312	262
STA	TO STA			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

SCHEDULE OF QUANTITIES - "EAGLE SYSTEM"

ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	6976
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	2473
HANDHOLE	EACH	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6976
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	10469
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	10469
DRILL EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

INTERCONNECT SCHEMATIC LEGEND

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

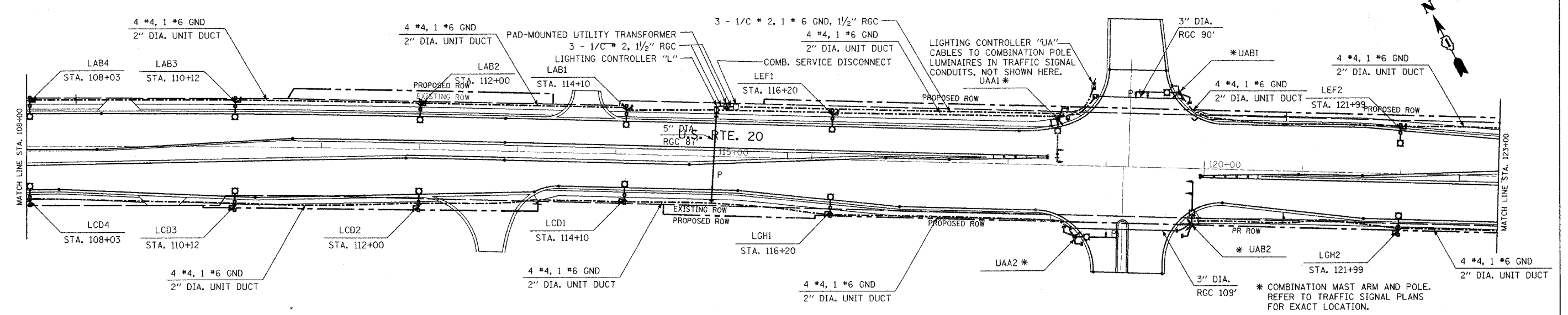
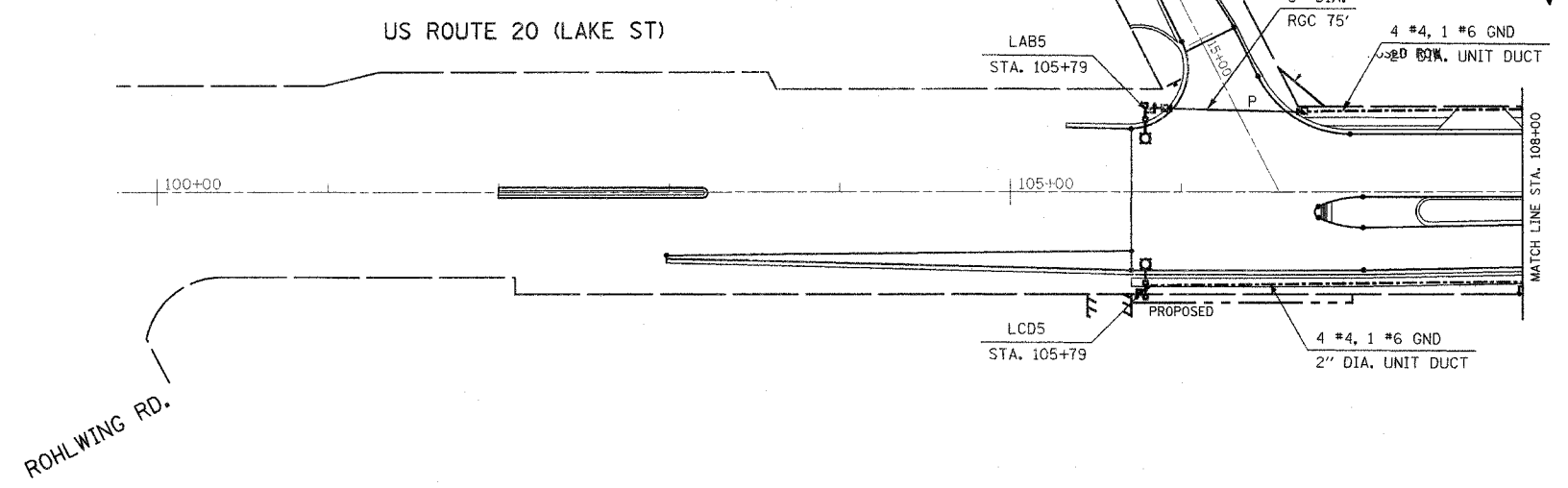
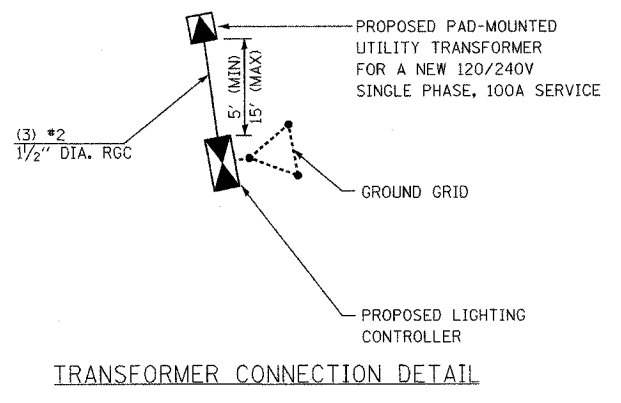
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC & SCHEDULE OF QUANTITIES
 US ROUTE 20 (LAKE STREET)
 "EAGLE" SYSTEM

SCALE: NONE
 DATE 03/01/05

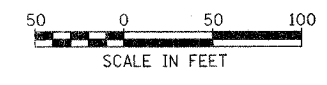
DRAWN BY: ALS
 CHECKED BY: MJH
 CHECKED BY: RN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	264
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62295				



1 DR

SHEET L-1



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

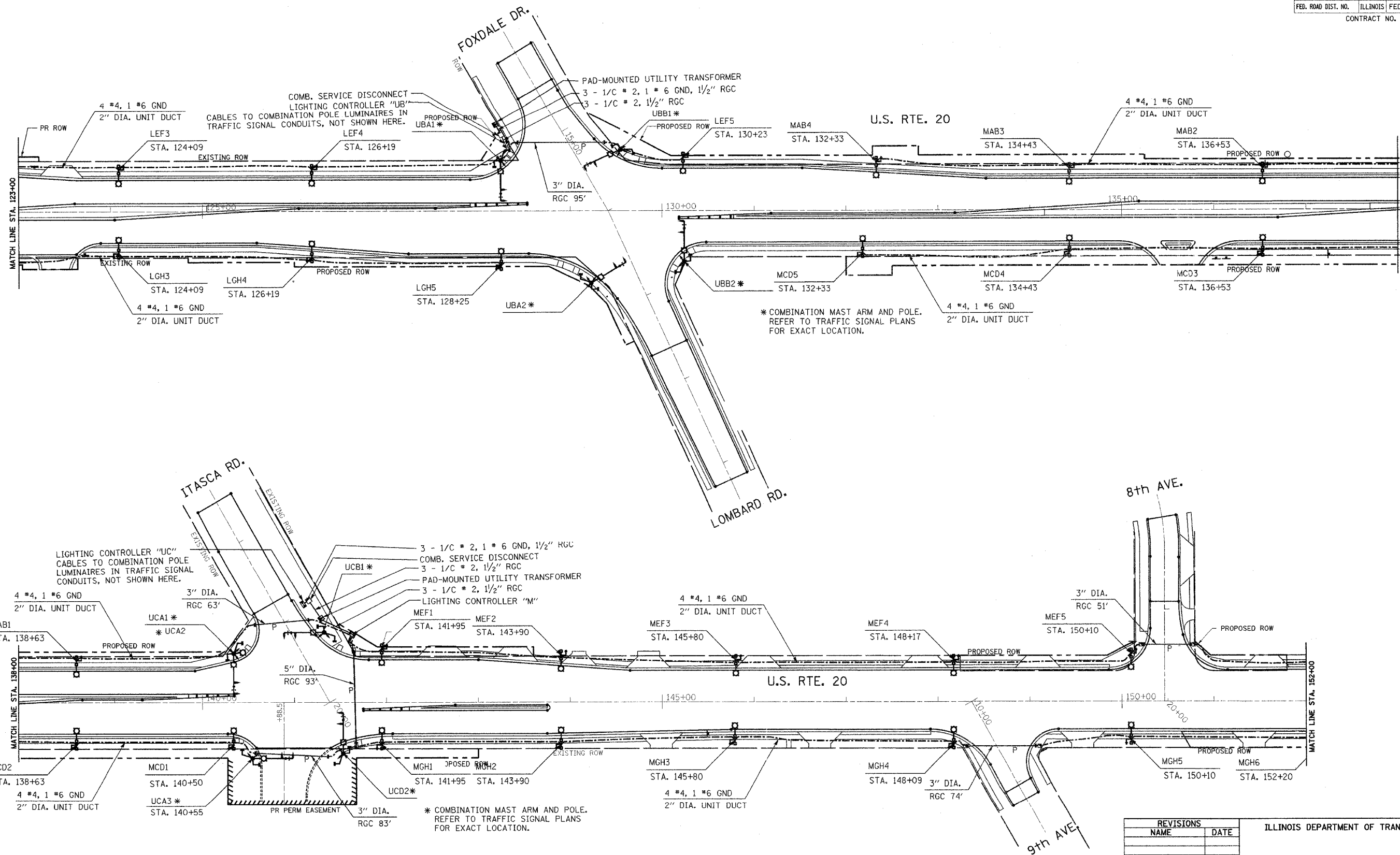
LIGHTING PLAN 1 OF 5
U.S. ROUTE 20 (LAKE ST)

SCALE: 1" = 50'

DATE DATE

DRAWN BY CMW
DESIGNED BY CMW
CHECKED BY DEM

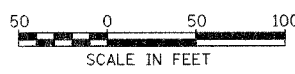
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3537	5Y-R-4	DUPAGE	248	265
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



* COMBINATION MAST ARM AND POLE. REFER TO TRAFFIC SIGNAL PLANS FOR EXACT LOCATION.

* COMBINATION MAST ARM AND POLE. REFER TO TRAFFIC SIGNAL PLANS FOR EXACT LOCATION.

SHEET L-2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN 2 OF 5
U.S. ROUTE 20 (LAKE ST)

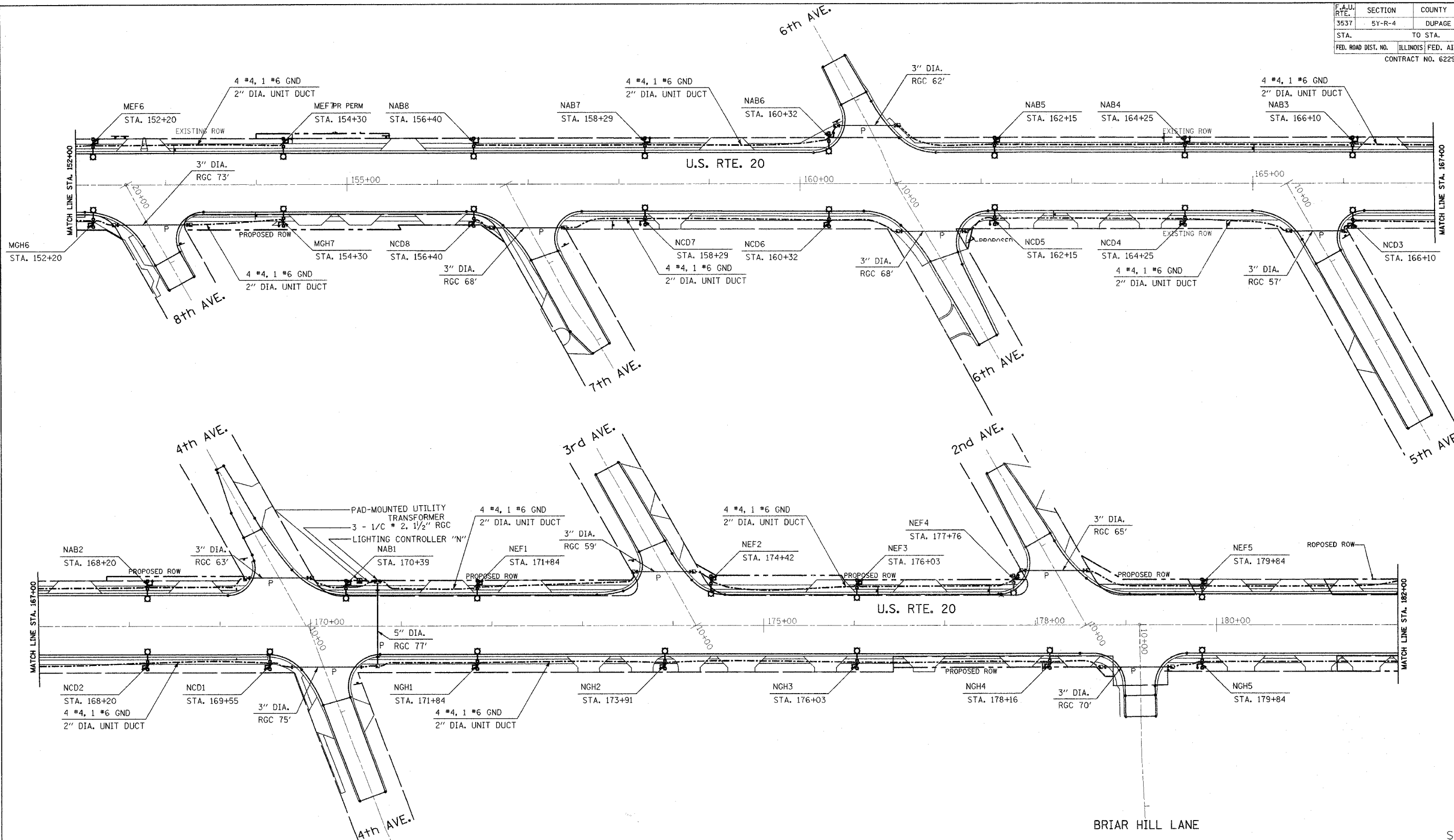
SCALE: 1" = 50'

DATE DATE

DRAWN BY CMW
DESIGNED BY CMW
CHECKED BY DEM

2/10/2005 9:35:32 AM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	99	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62295				



REVISIONS	
NAME	DATE

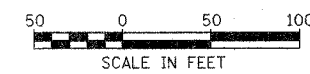
ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN 3 OF 5
U.S. ROUTE 20 (LAKE ST)

SCALE: 1" = 50'

DATE DATE

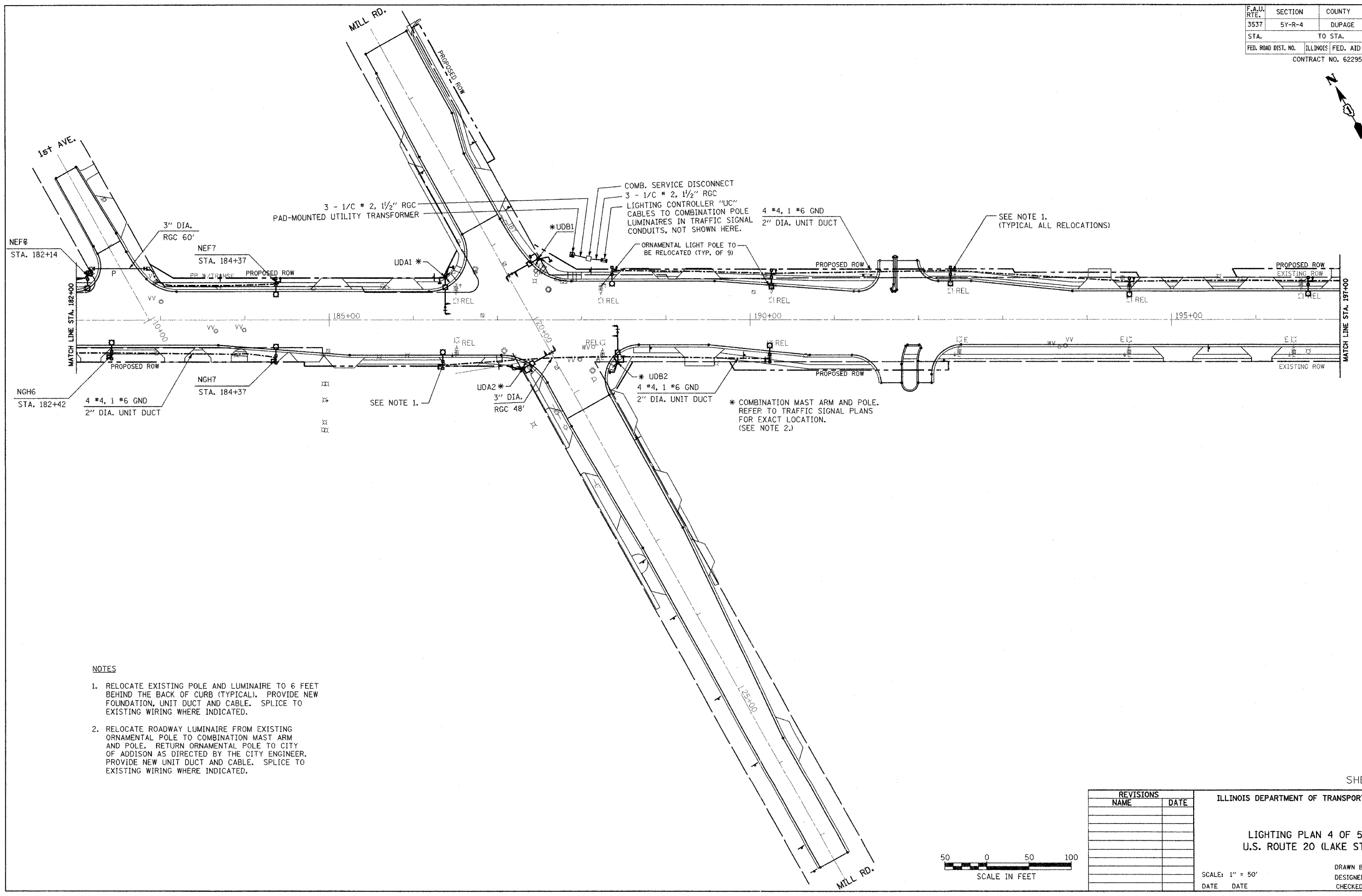
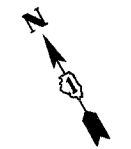
DRAWN BY CMW
DESIGNED BY CMW
CHECKED BY DEM



SHEET L-3

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	390	207
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



NOTES

1. RELOCATE EXISTING POLE AND LUMINAIRE TO 6 FEET BEHIND THE BACK OF CURB (TYPICAL). PROVIDE NEW FOUNDATION, UNIT DUCT AND CABLE. SPLICE TO EXISTING WIRING WHERE INDICATED.
2. RELOCATE ROADWAY LUMINAIRE FROM EXISTING ORNAMENTAL POLE TO COMBINATION MAST ARM AND POLE. RETURN ORNAMENTAL POLE TO CITY OF ADDISON AS DIRECTED BY THE CITY ENGINEER. PROVIDE NEW UNIT DUCT AND CABLE. SPLICE TO EXISTING WIRING WHERE INDICATED.

SHEET L-4

REVISIONS	
NAME	DATE

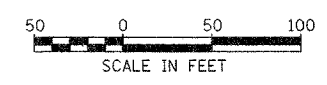
ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN 4 OF 5
U.S. ROUTE 20 (LAKE ST)

SCALE: 1" = 50'

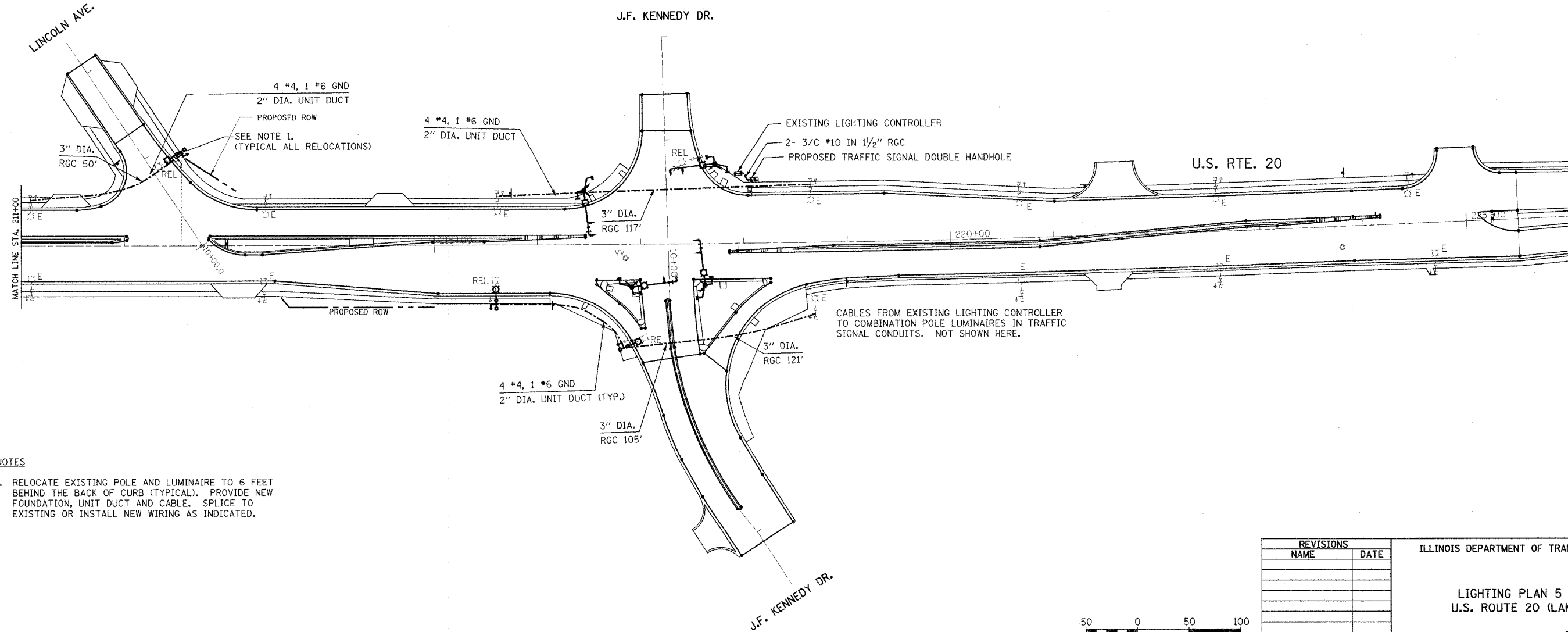
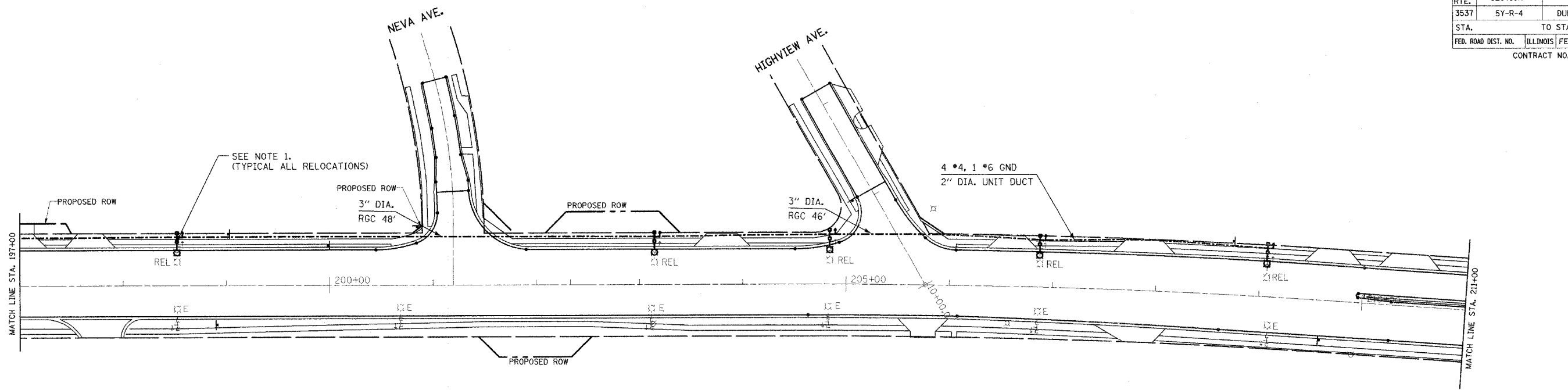
DATE DATE

DRAWN BY CMW
DESIGNED BY CMW
CHECKED BY DEM



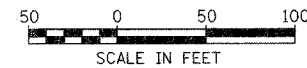
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	218
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62295				



NOTES

1. RELOCATE EXISTING POLE AND LUMINAIRE TO 6 FEET BEHIND THE BACK OF CURB (TYPICAL). PROVIDE NEW FOUNDATION, UNIT DUCT AND CABLE. SPLICE TO EXISTING OR INSTALL NEW WIRING AS INDICATED.



REVISIONS	
NAME	DATE

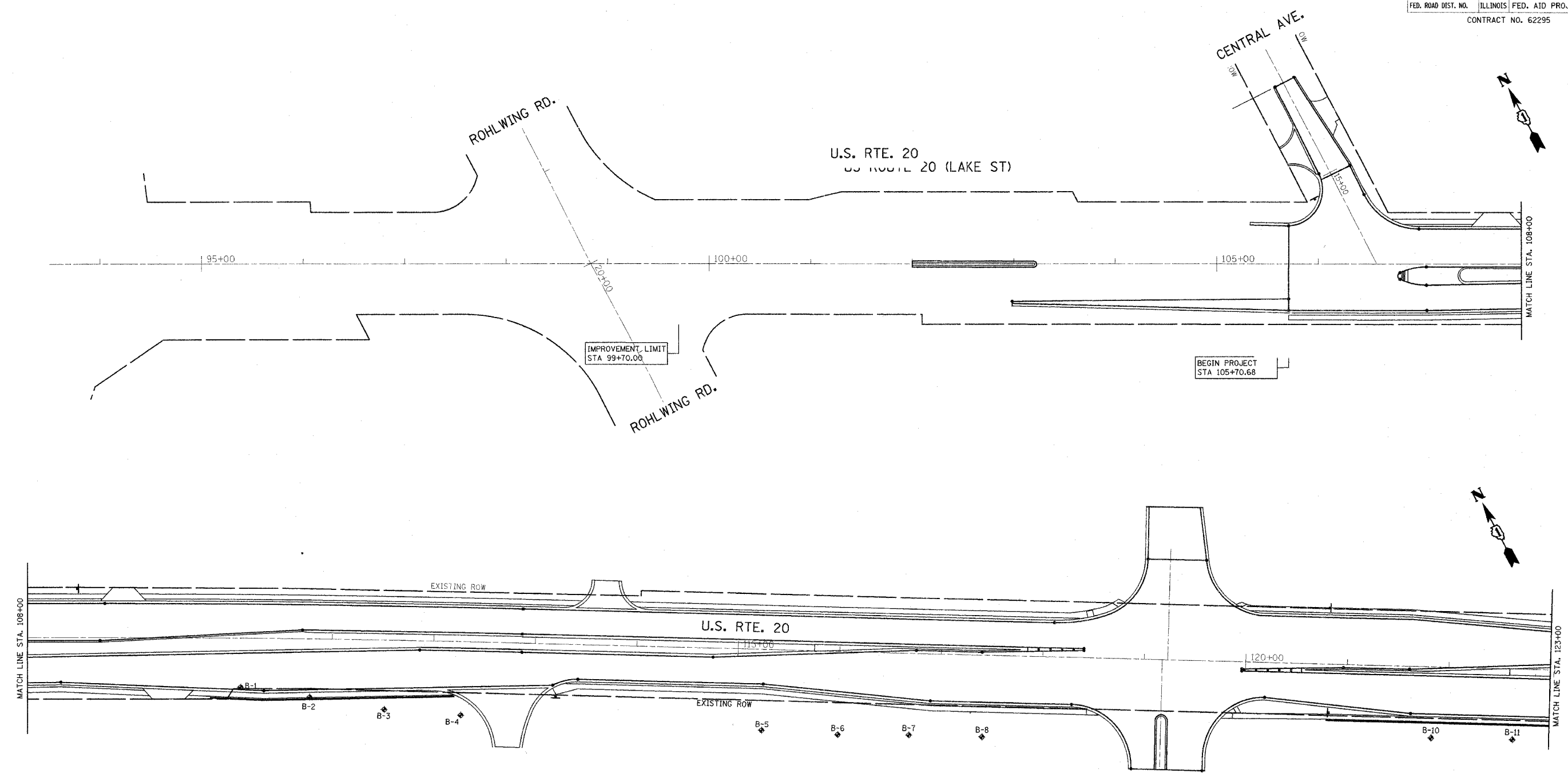
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LIGHTING PLAN 5 OF 5
U.S. ROUTE 20 (LAKE ST)**

SCALE: 1" = 50'
DATE 03/01/05

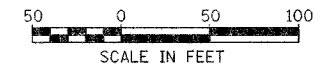
DRAWN BY CMW
DESIGNED BY CMW
CHECKED BY DEM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	269
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



NOTE:
 ALL LIGHTING REMOVAL FROM WEST PROJECT
 LIMIT TO STA. 125+00 PERFORMED BY OTHERS

1 DR



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN 1 OF 5
U.S. ROUTE 20 (LAKE ST)

SCALE: 1" = 50'
 DATE 03/01/05

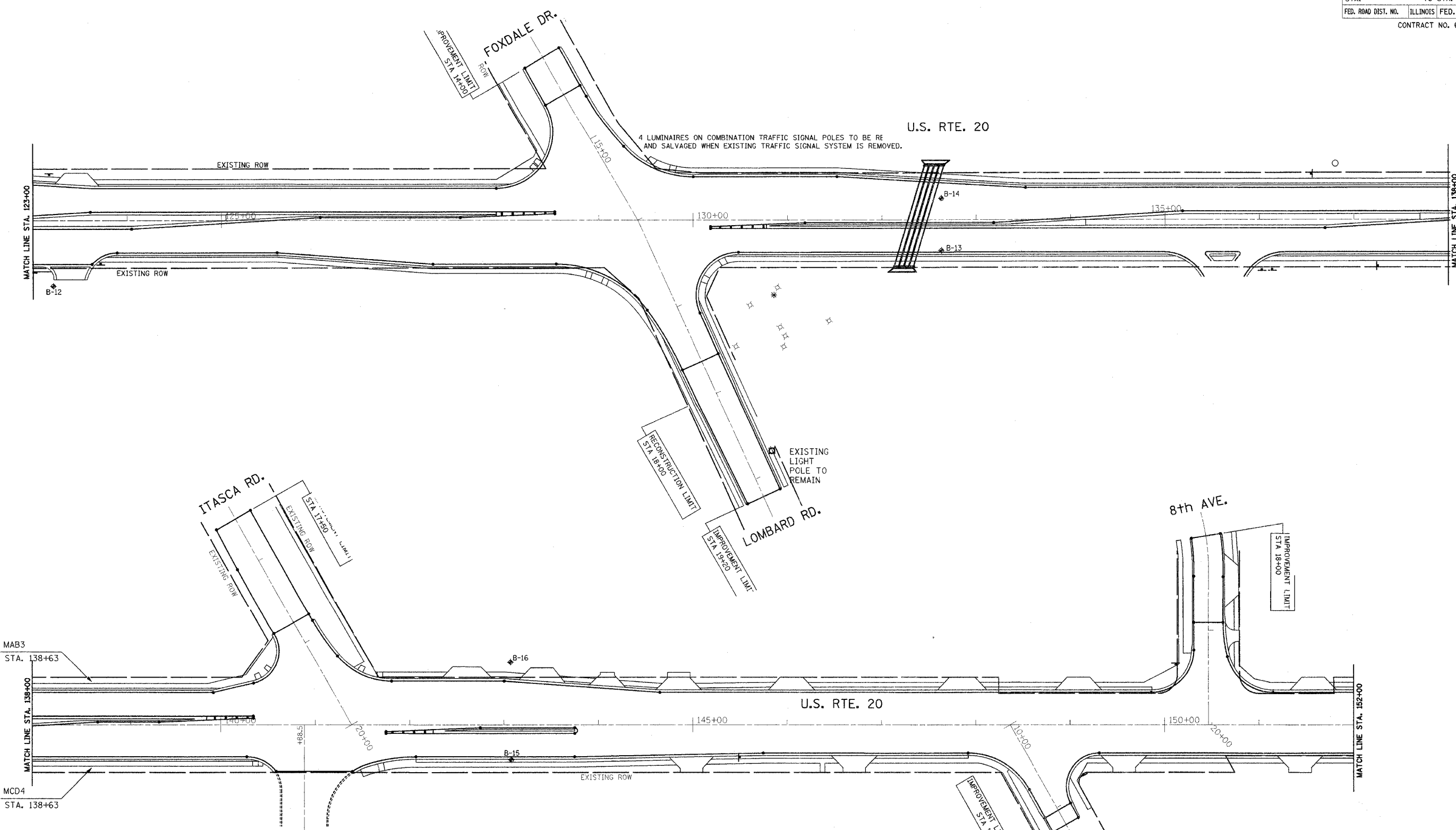
DRAWN BY: CMW
 DESIGNED BY: CMW
 CHECKED BY: DEM

SHEET LR-1

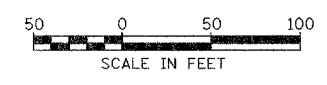
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	397	270
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				



NOTE:
EXCEPT AS INDICATED OTHERWISE, ALL LIGHTING REMOVAL FROM STA. 125+00 TO STA. 152+00 PERFORMED BY OTHERS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

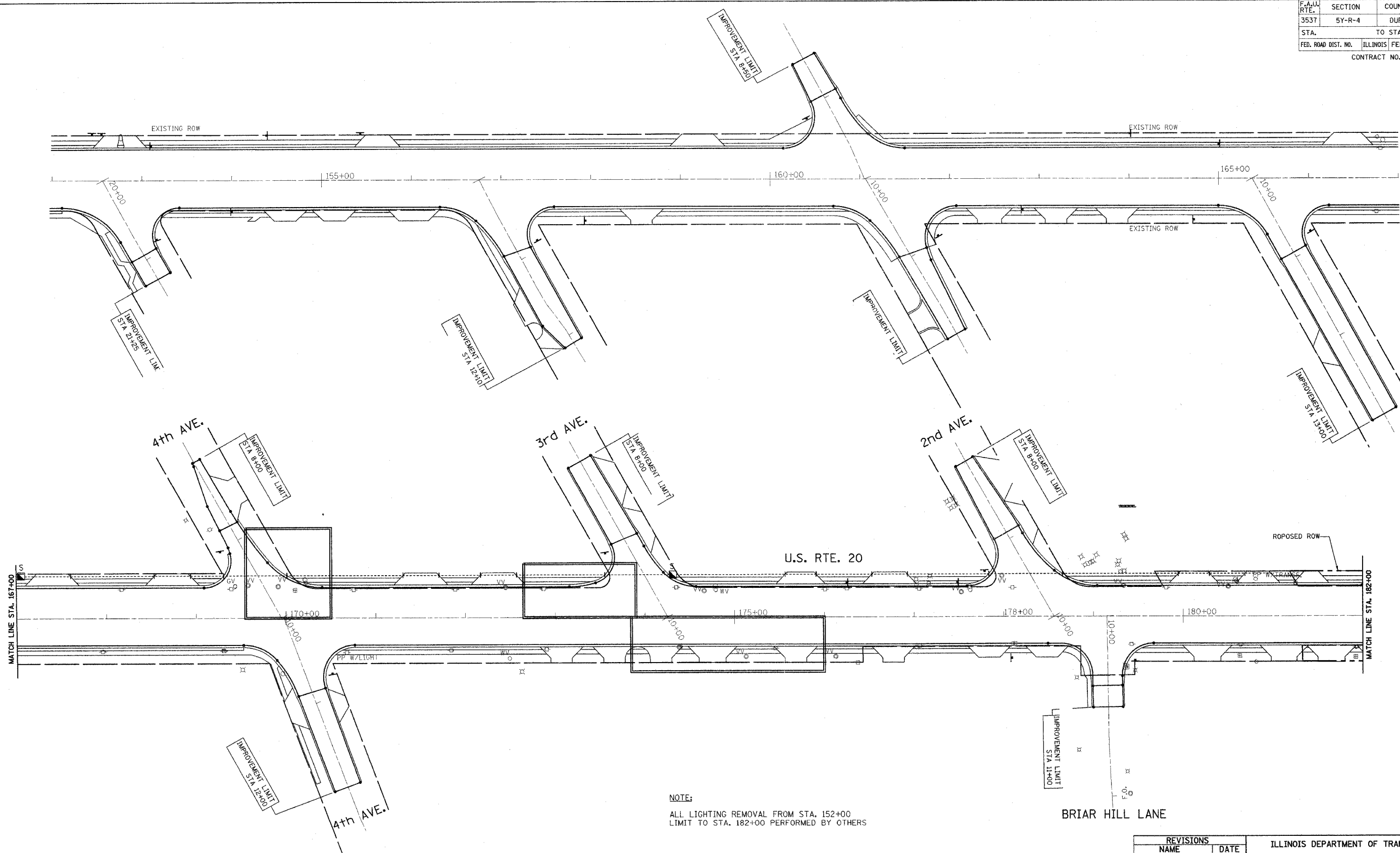
LIGHTING REMOVAL PLAN 2 OF 5
U.S. ROUTE 20 (LAKE ST)

SCALE: 1" = 50'
DATE 03/01/05

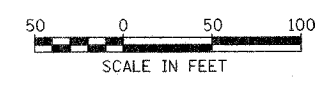
DRAWN BY: CMW
DESIGNED BY: CMW
CHECKED BY: DEM

SHEET LR-2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	272	271
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62295				



NOTE:
 ALL LIGHTING REMOVAL FROM STA. 152+00
 LIMIT TO STA. 182+00 PERFORMED BY OTHERS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN 3 OF 5
U.S. ROUTE 20 (LAKE ST)

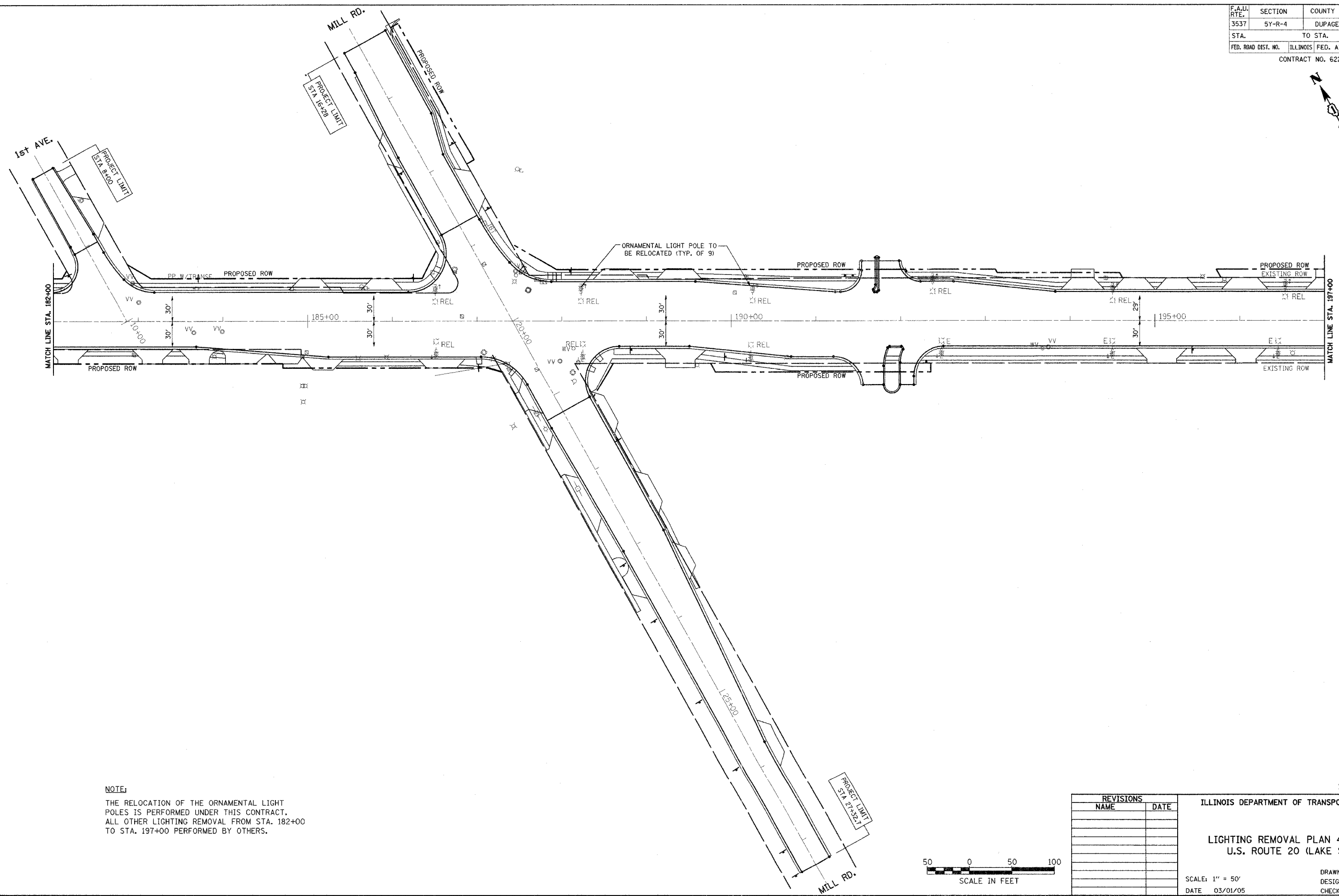
SCALE: 1" = 50'
 DATE 03/01/05

DRAWN BY: CMW
 DESIGNED BY: CMW
 CHECKED BY: DEM

SHEET LR-3

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	212
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62295				



NOTE:
 THE RELOCATION OF THE ORNAMENTAL LIGHT POLES IS PERFORMED UNDER THIS CONTRACT. ALL OTHER LIGHTING REMOVAL FROM STA. 182+00 TO STA. 197+00 PERFORMED BY OTHERS.

SHEET LR-4

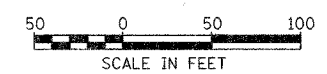
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN 4 OF 5
 U.S. ROUTE 20 (LAKE ST)

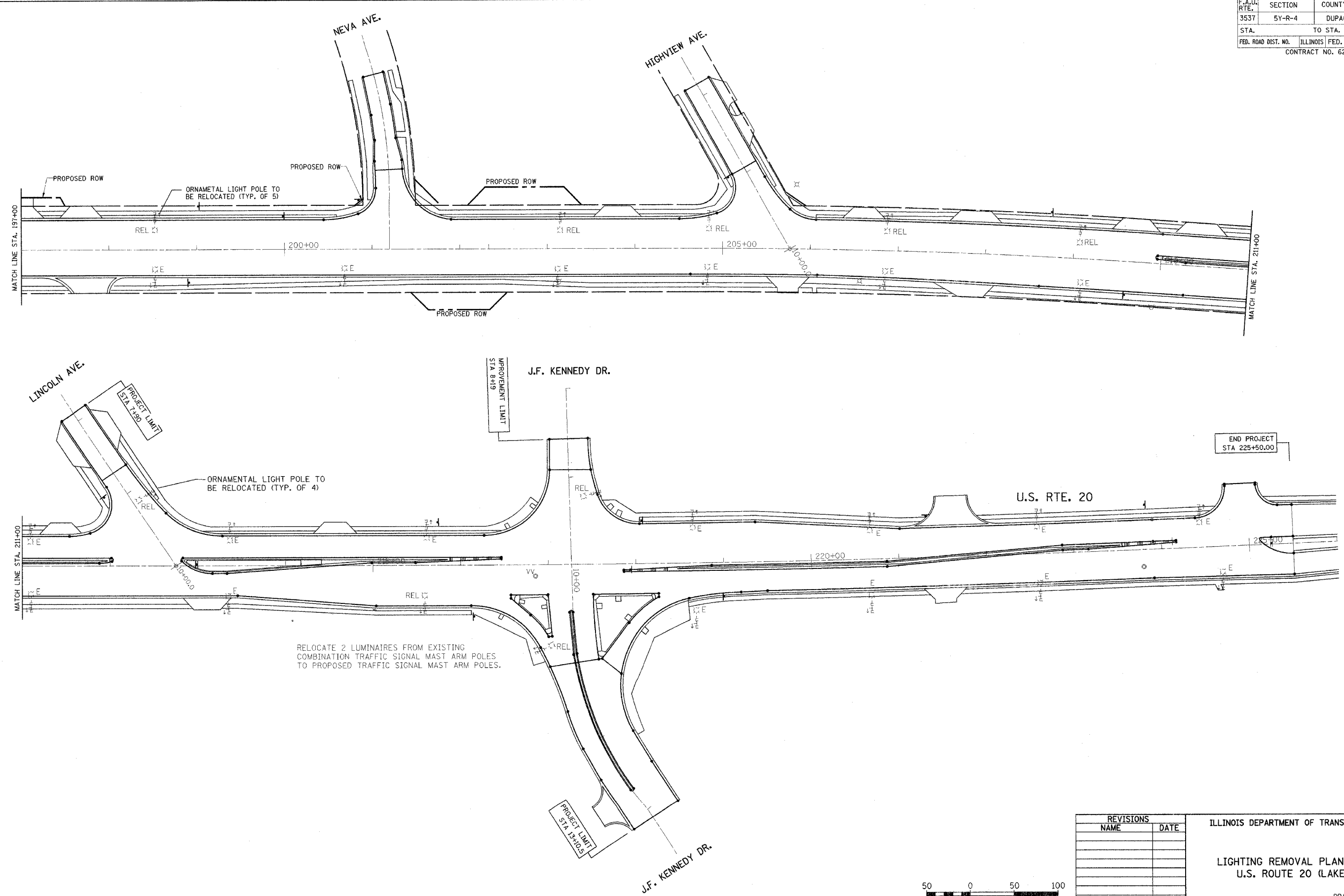
SCALE: 1" = 50'
 DATE 03/01/05

DRAWN BY: CMW
 DESIGNED BY: CMW
 CHECKED BY: DEM



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	390	273
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62295				

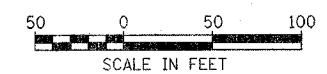


SHEET LR-5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN 5 OF 5
U.S. ROUTE 20 (LAKE ST)

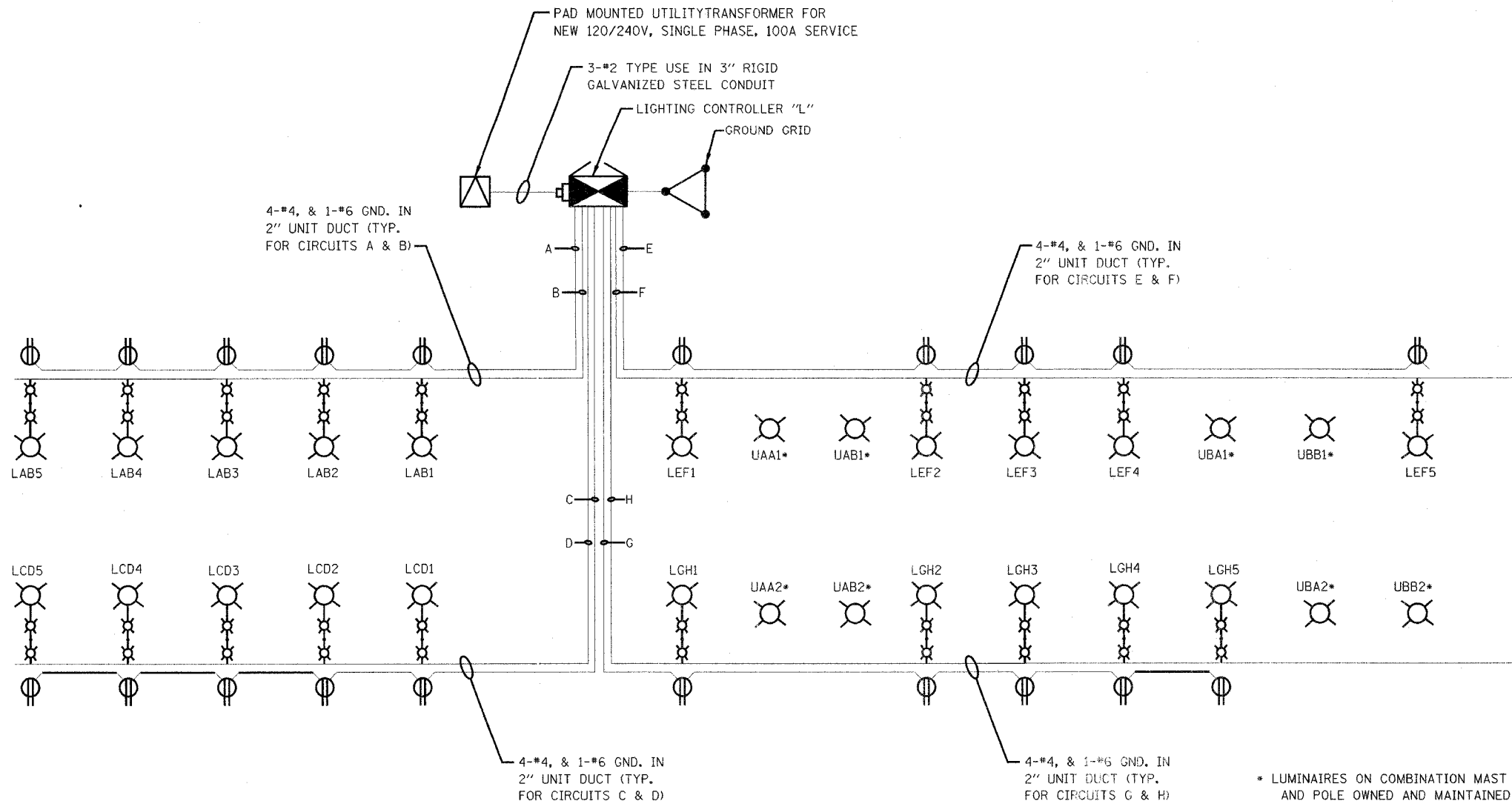


SCALE: 1" = 50'
DATE 03/01/05

DRAWN BY: CMW
DESIGNED BY: CMW
CHECKED BY: DEM

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* LUMINAIRES ON COMBINATION MAST ARM AND POLE OWNED AND MAINTAINED BY IDOT.

LOAD TABULATION FOR LIGHTING CONTROLLER "L"

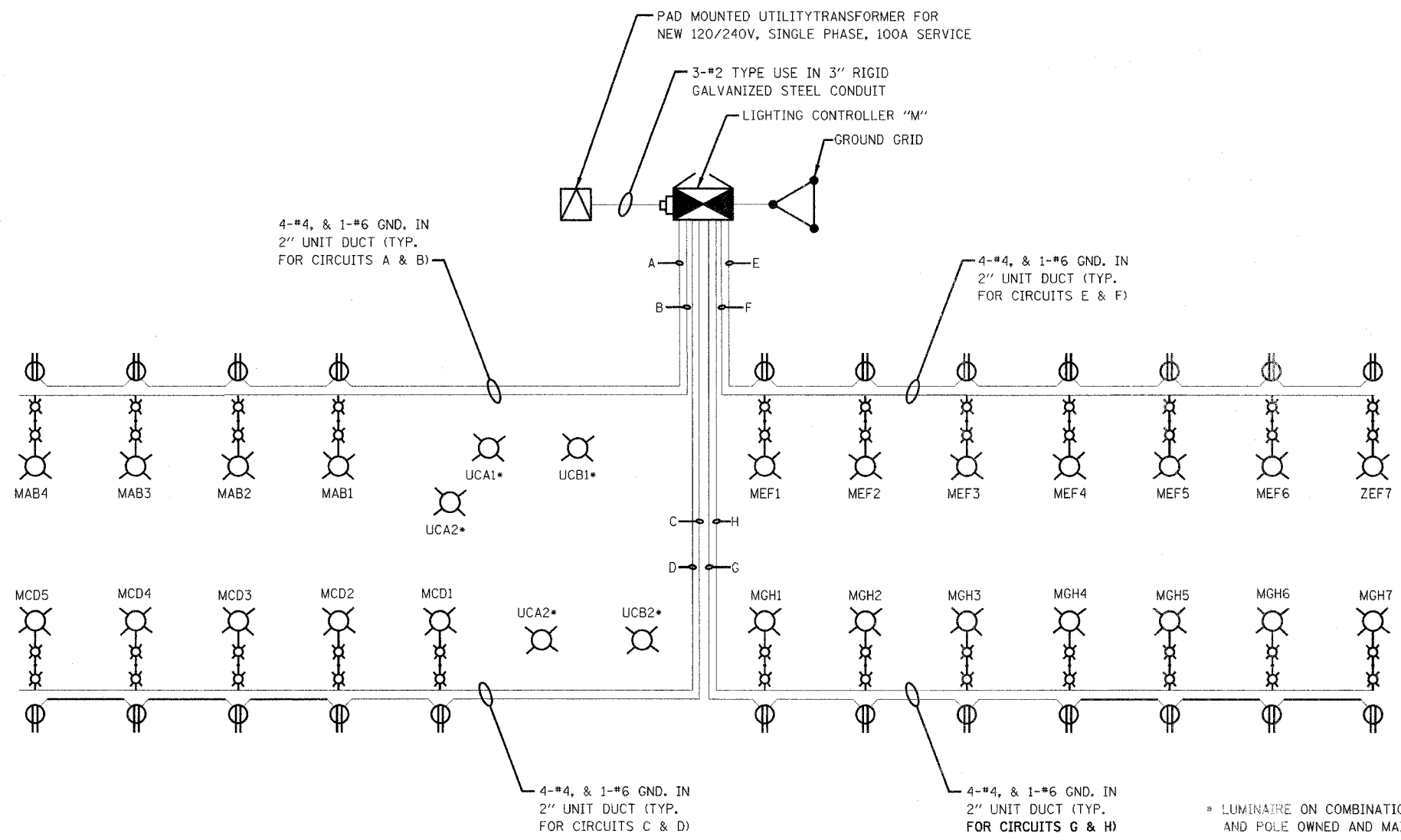
CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1	7.5		20	FESTOON
B	6, 8	11.0	11.0	20	
C	2	7.5		20	FESTOON
D	7, 9	11.0	11.0	20	
E	3		7.5	20	FESTOON
F	10, 12	11.0	11.0	20	
G	4		7.5	20	FESTOON
H	11, 13	11.0	11.0	20	
I	5			20	SPARE
J	14, 16			20	SPARE
TOTAL		59.0A	59.0A		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHTING CONTROLLER "L"
 LOAD TABULATION AND WIRING DIAGRAM
 US ROUTE 20 (LAKE STREET)

SCALE: DRAWN BY: JRH
 DATE: 03/01/05 CHECKED BY: DEM



* LUMINAIRE ON COMBINATION MAST ARM AND POLE OWNED AND MAINTAINED BY IDOT.

LOAD TABULATION FOR LIGHTING CONTROLLER "M"

CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1	7.5		20	FESTOON
B	6, 8	11.0	11.0	20	
C	2	7.5		20	FESTOON
D	7, 9	11.0	11.0	20	
E	3		10.5	20	FESTOON
F	10, 12	15.4	15.4	20	
G	4		10.5	20	FESTOON
H	11, 13	15.4	15.4	20	
I	5			20	SPARE
J	14, 16			20	SPARE
TOTAL		67.4A	73.8A		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

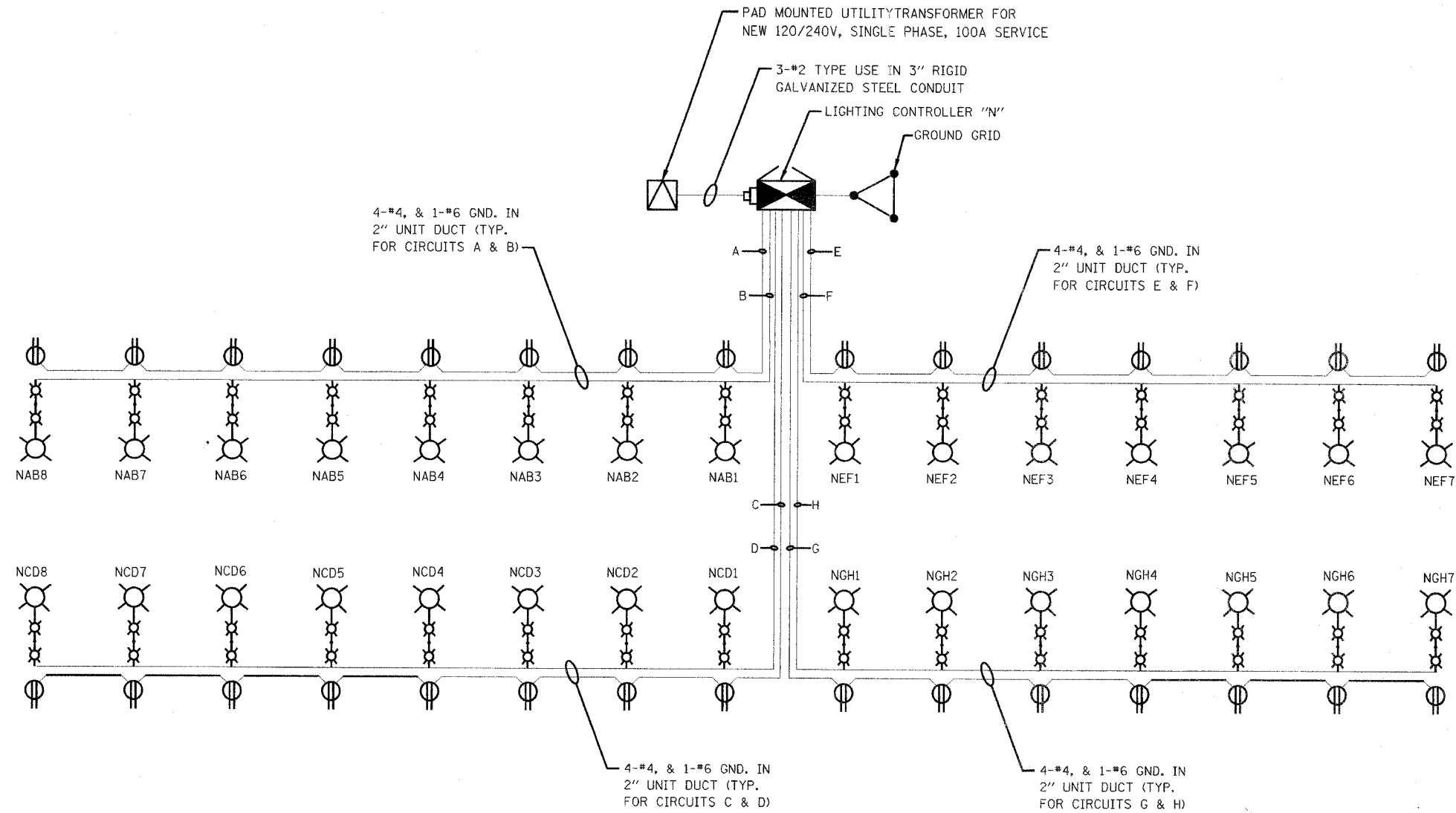
LIGHTING CONTROLLER "M"
LOAD TABULATION AND WIRING DIAGRAM
US ROUTE 20 (LAKE STREET)

SCALE: DATE: 03/01/05

DRAWN BY: JRH
CHECKED BY: DEM

FILES

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NOTE:
ALL PANELBOARDS AND CIRCUIT BREAKERS FOR LIGHTING CONTROLLER "N" MUST BE 100 PERCENT RATED.

LOAD TABULATION FOR LIGHTING CONTROLLER "N"					
CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1	10.5		20	FESTOON
B	6, 8	15.4	15.4	20	
C	2	10.5		20	FESTOON
D	7, 9	15.4	15.5	20	
E	3		12.0	20	FESTOON
F	10, 12	17.6	17.6	20	
G	4		12.0	20	FESTOON
H	11, 13	17.6	17.6	20	
I	5			20	SPARE
J	14, 16			20	SPARE
TOTAL		86.6A	89.6A		



REVISIONS	
NAME	DATE

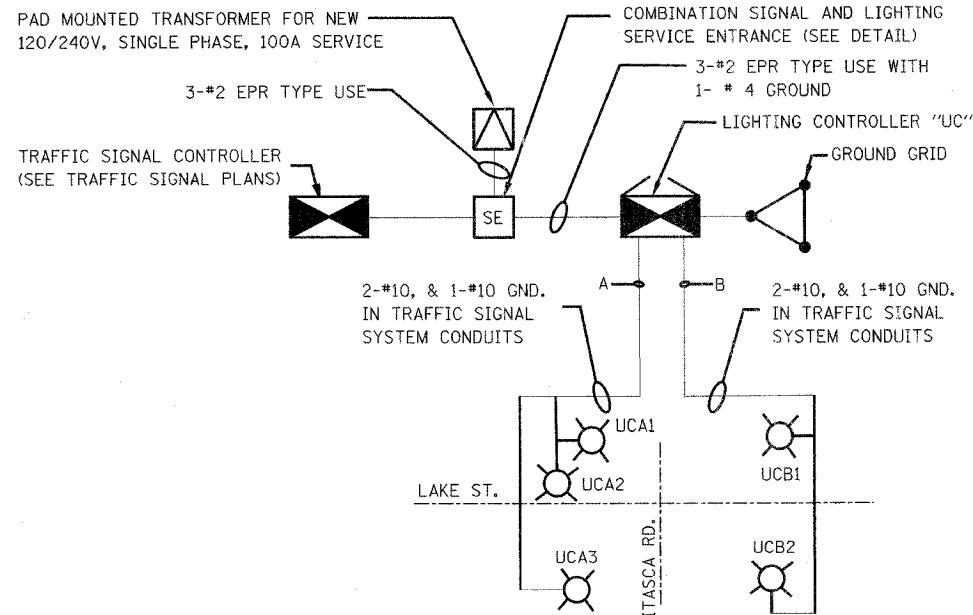
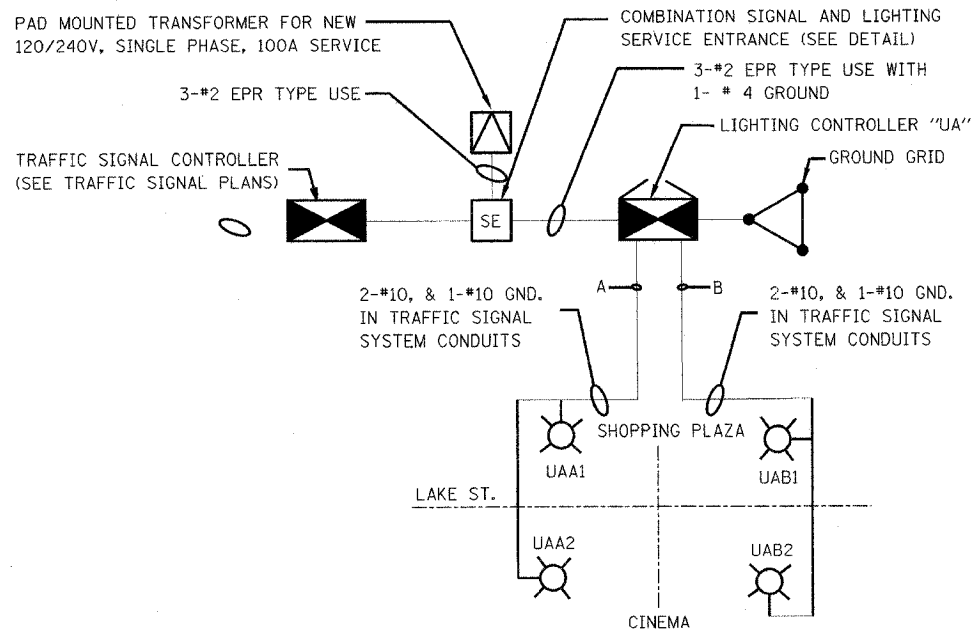
ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHTING CONTROLLER "N"
 LOAD TABULATION AND WIRING DIAGRAM
 US ROUTE 20 (LAKE STREET)
 SCALE: DATE: 03/01/05 DRAWN BY: JRH CHECKED BY: DEM

CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1, 3	3.8	3.8	20	
B	2, 4	3.8	3.8	20	
C	5, 7			20	SPARE
D	6, 8			20	SPARE
TOTAL		7.6	7.6		

CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1, 3	5.7	5.7	20	
B	2, 4	3.8	3.8	20	
C	5, 7			20	SPARE
D	6, 8			20	SPARE
TOTAL		9.5	9.5		

CONTROLLER LOCATIONS:
(ALL CONTROLLERS ON LAKE STREET)

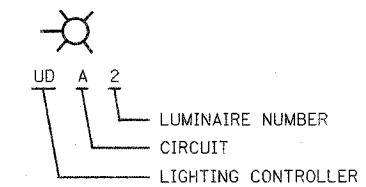
UA: SHOPPING CENTER ENTRANCE 1000 FEET WEST OF LOMBARD ROAD
 UB: LOMBARD ROAD / FOXDALE DRIVE INTERSECTION
 UC: ITASCA ROAD INTERSECTION
 UD: MILL ROAD INTERSECTION



LEGEND

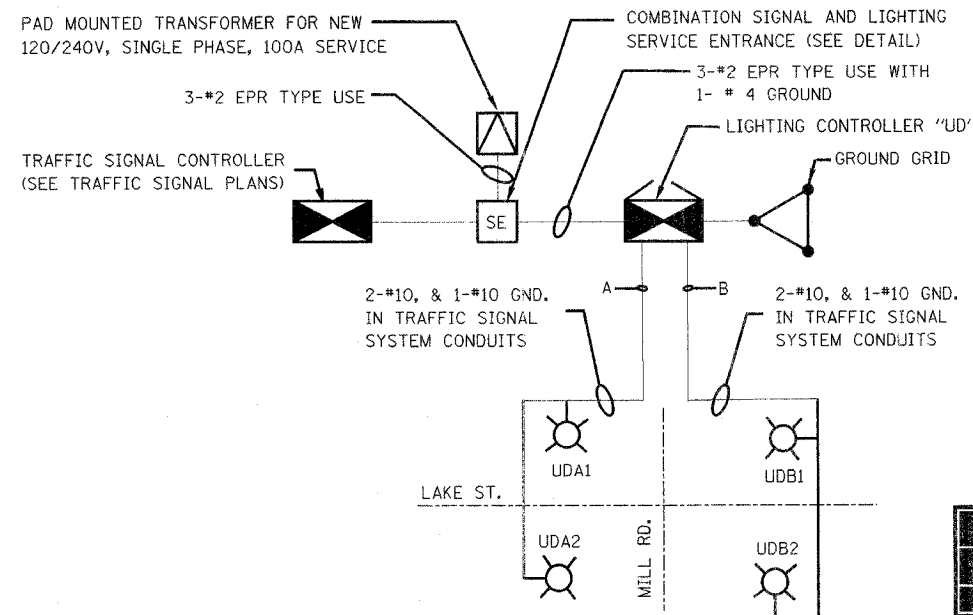
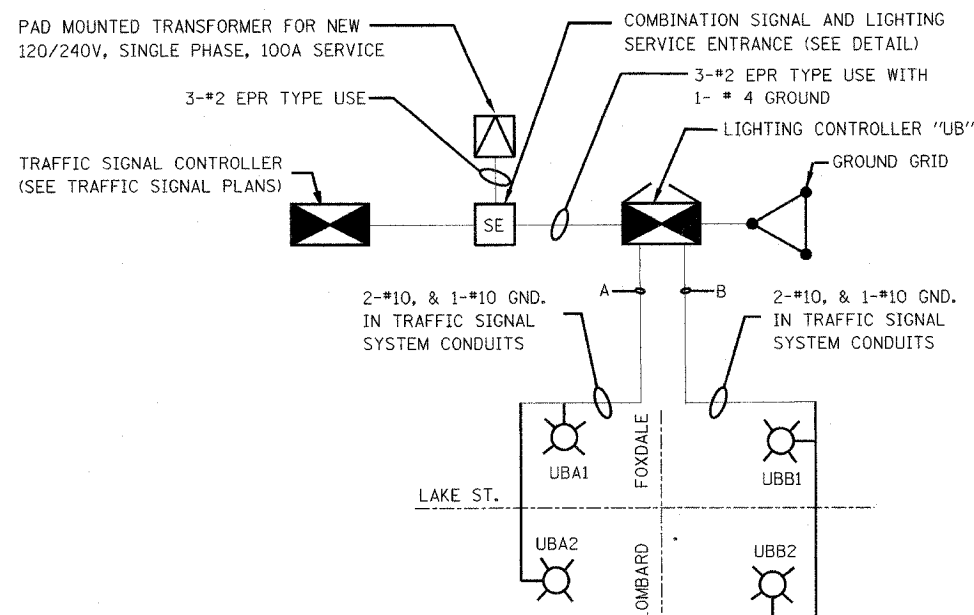
- PAD-MOUNTED UTILITY TRANSFORMER
- COMBINATION LIGHTING AND TRAFFIC SIGNAL SERVICE ENTRANCE
- LIGHTING CONTROLLER
- LIGHTING CABLE CIRCUIT IDENTIFICATION (X = CIRCUIT ID)
- LUMINAIRE MOUNTED ON COMBINATION TRAFFIC SIGNAL MAST ARM POST WITH CONTROLLER, CIRCUIT, AND LUMINAIRE NUMBER IDENTIFICATION

LUMINAIRE IDENTIFICATION



CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1, 3	3.8	3.8	20	
B	2, 4	3.8	3.8	20	
C	5, 7			20	SPARE
D	6, 8			20	SPARE
TOTAL		7.6	7.6		

CIRCUIT	POLE NUMBER	PHASE 1 (BLACK) AMP	PHASE 2 (RED) AMP	BREAKER SIZE	REMARKS
A	1, 3	3.8	3.8	20	
B	2, 4	3.8	3.8	20	
C	5, 7			20	SPARE
D	6, 8			20	SPARE
TOTAL		7.6	7.6		



NOTES

- THESE LIGHTING CONTROLLERS PROVIDE POWER TO LUMINAIRES ON TRAFFIC SIGNAL COMBINATION MAST ARM POLES ONLY.
- SERVICES TO THESE CONTROLLERS ALSO PROVIDE POWER TO TRAFFIC SIGNAL CONTROLLERS. IF LIGHTING CONTROLLER MUST BE DE-ENERGIZED, TURN OFF POWER USING LIGHTING CONTROLLER CIRCUIT BREAKER AT SERVICE ENTRANCE PEDESTAL.
- CONTINUOUS STREET LIGHTING ADJACENT TO THESE INTERSECTIONS ON LAKE STREET AND OTHER ROADS IS SUPPLIED THROUGH SEPARATE LIGHTING CONTROLLERS AND UTILITY SERVICES. THIS CONTINUOUS LIGHTING IS OWNED AND MAINTAINED BY THE VILLAGE OF ADDISON.
- LOAD CIRCUIT CONDUCTORS ARE ROUTED THROUGH TRAFFIC SIGNAL CONDUITS AND HANDHOLES TO COMBINATION MAST ARM POLES.
- COMBINATION POLE LIGHTING CONTROLLERS ARE MOUNTED ON TRAFFIC SIGNAL CONTROLLER CABINETS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		LIGHTING CONTROLLERS "UA, UB, UC & UD" LOAD TABULATION AND WIRING DIAGRAM US ROUTE 20 (LAKE STREET)
SCALE:		DRAWN BY: JRH
DATE: 03/01/05		CHECKED BY: RFS

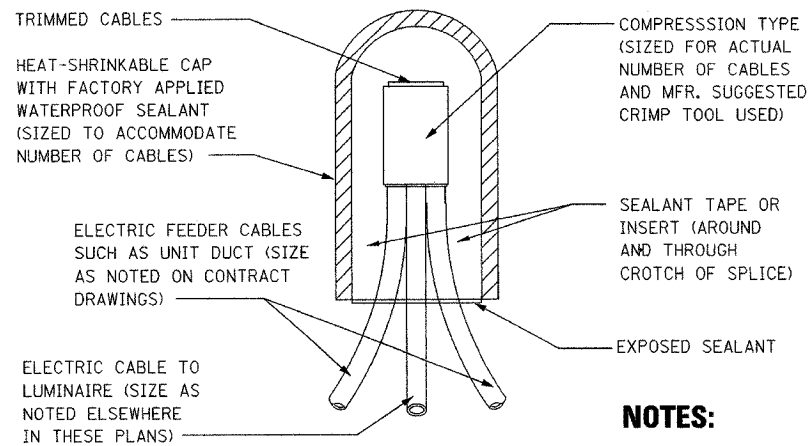


MAJOR STREETS WITH MAST ARMS

TYPE OF SOIL	DESIGN DEPTH		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM VERT. BARS	SPIRAL	TWIN ARM VERT. BARS	SPIRAL
SOFT CLAY	13'-0"	15'-0"	4-#6X12'-6"	#3X122'	4-#6X14'-6"	#3X141'
MEDIUM CLAY	9'-6"	10'-9"	4-#6X9'-0"	#3X90'	4-#6X10'-3"	#3X100'
STIFF CLAY	8'-0"	8'-0"	4-#6X7'-6"	#3X76'	4-#6X7'-6"	#3X76'
LOOSE SAND	9'-0"	10'-0"	4-#6X8'-6"	#3X85'	4-#6X9'-6"	#3X94'
MEDIUM SAND	8'-3"	9'-0"	4-#6X7'-9"	#3X78'	4-#6X8'-6"	#3X85'
DENSE SAND	8'-0"	9'-0"	4-#6X7'-6"	#3X76'	4-#6X8'-6"	#3X85'

NOTES: 1. CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #3 HOOPS AT 12" ON CENTERS FOR SPIRAL CAGE. 2. CONTRACTOR SHALL USE THE VALUES FOR TWIN ARM INSTALLATION FOR THIS PROJECT

LIGHT POLE FOUNDATION DESIGN TABLE



NOTES: 1. THE NUMBER OF CABLES IN SPLICE MAY VARY

**SPLICING ELECTRIC CABLES
BASIC MATERIALS & METHODS**

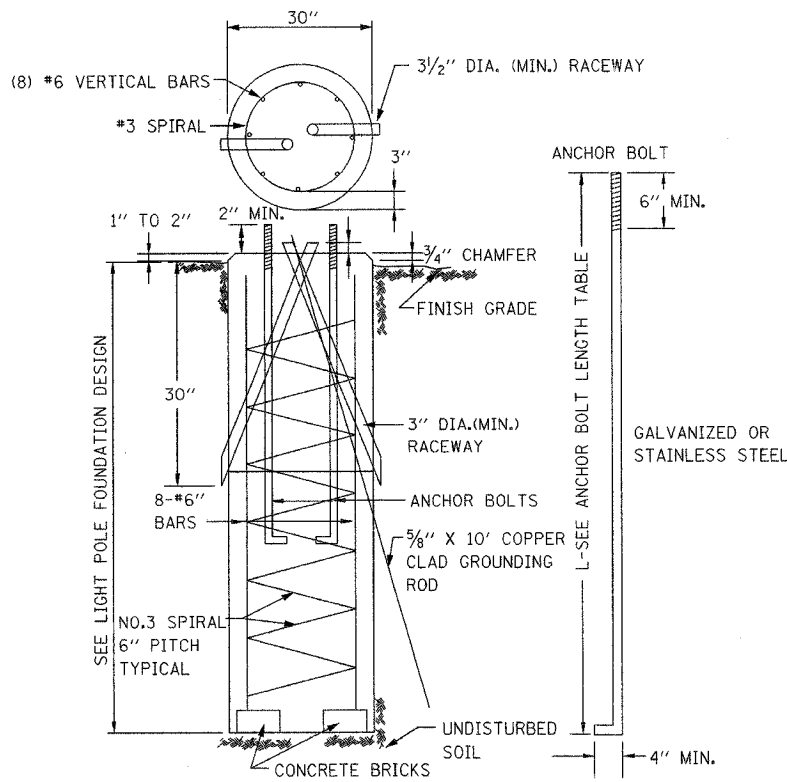
NOTES:

1. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING THE EXCAVATION AND SELECT THE DEPTH OF THE FOUNDATION FROM THE DESIGN TABLES.
2. EXCAVATION OF THE FOUNDATION SHALL BE MADE WITH A 30" DIAMETER AUGER.
3. THE CONTRACTOR SHALL USE A #3 SPIRAL CAGE WITH A 6" PITCH, OR AT THIS OPTION, MAY SUBSTITUTE WITH A #3 HOOPS AT 12" ON CENTERS.
4. EACH ANCHOR BOLT SHALL BE FURNISHED WITH (2) FLAT WASHERS AND (2) HEX NUTS. THEY SHALL BE EITHER GALVANIZED OR STAINLESS STEEL TO MATCH THE ANCHOR BOLTS.
5. RACEWAYS SHALL BE INSTALLED PARALLEL TO THE EDGE OF PAVEMENT.
6. ANCHOR BOLTS, RACEWAYS, AND REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
7. CONCRETE SHALL BE A 6 BAG MIX, WITH A MINIMUM STRENGTH OF 3000 PSI.
8. THE CONCRETE SHALL CURE FOR A MINIMUM OF 10 DAYS BEFORE ERECTING THE LIGHT POLE.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ERECTING THE LIGHT POLE.
10. ANCHOR BOLTS SHALL PROJECT A MINIMUM OF 2" AND A MAXIMUM OF 4" ABOVE THE TOP OF THE FOUNDATION.
11. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
12. ALL GROUND ROD CONNECTIONS SHALL BE MADE ABOVE GRADE, INSIDE THE POLE BASE, WITH EXOTHERMIC OR INERT GAS WELDS.

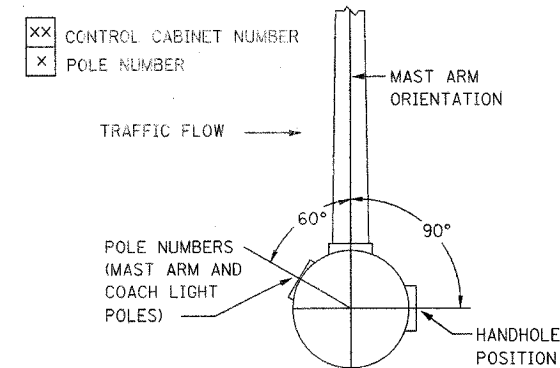
ANCHOR BOLT LENGTHS AND SIZES

LENGTH	LOCATION	SIZE
60"	ORNAMENTAL LIGHT POLES	4'-1"

THE ANCHOR BOLT PATTERN SHALL MATCH THE PATTERN ON THE LIGHT POLE BASE.



LIGHT POLE FOUNDATION



NOTES:

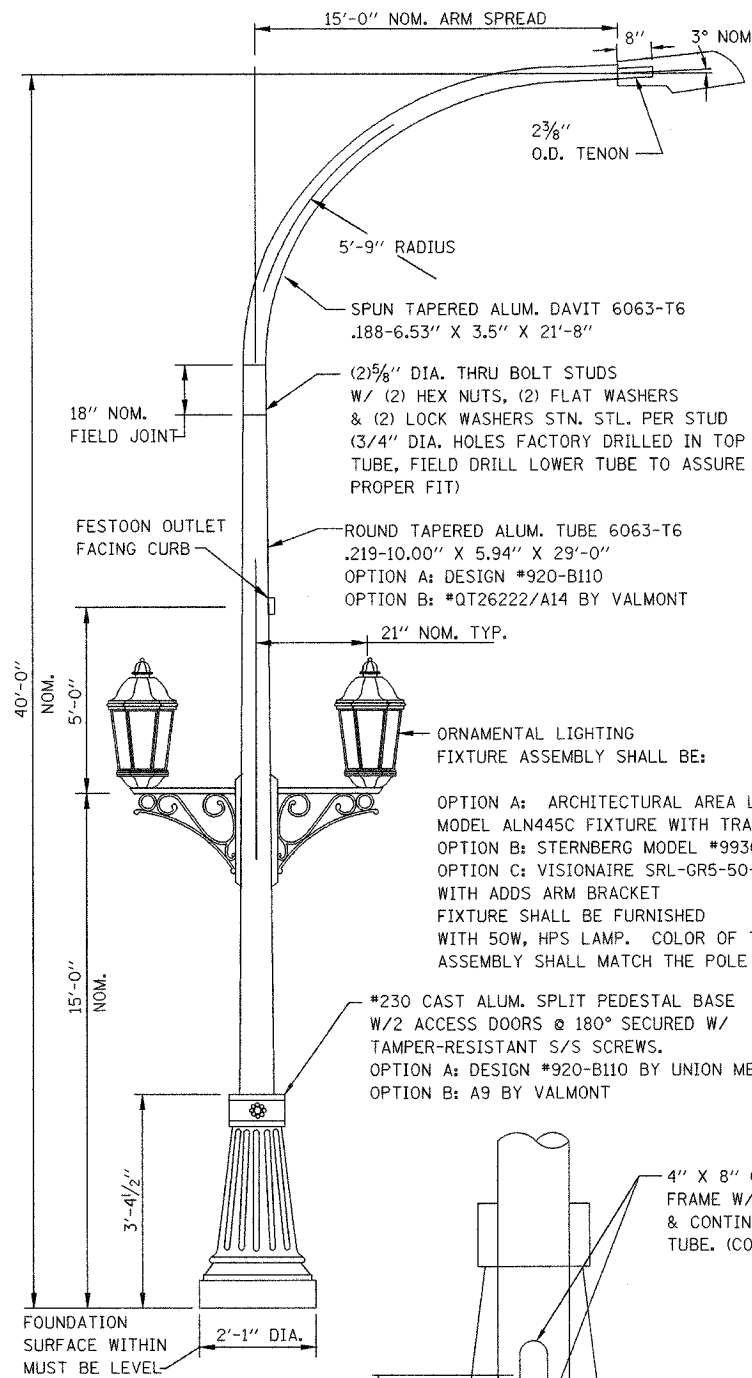
1. LIGHT POLE NUMBERS SHALL BE 4" TALL, BLACK ABOVE THE FINISHED GRADE.
2. HAND HOLE AND POLE NUMBER LOCATIONS SHALL BE SIMILAR FOR MAST ARM AND COACH LIGHT POLES.
3. EXACT CONTROL CABINET AND POLE DESIGNATIONS SHALL BE AS DIRECTED BY THE OWNER.

POSITION OF HANDHOLE AND POLE NUMBERS

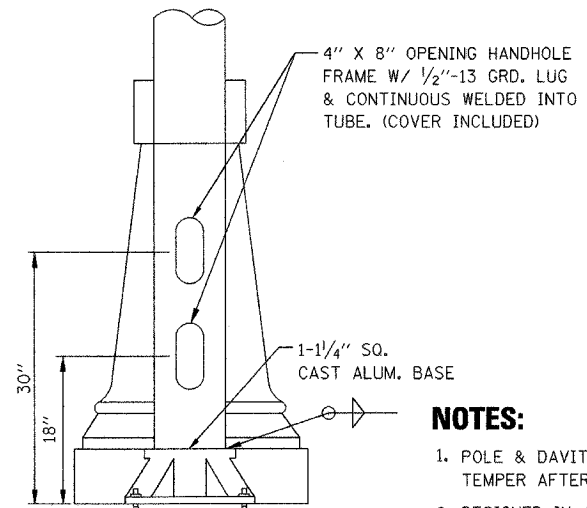
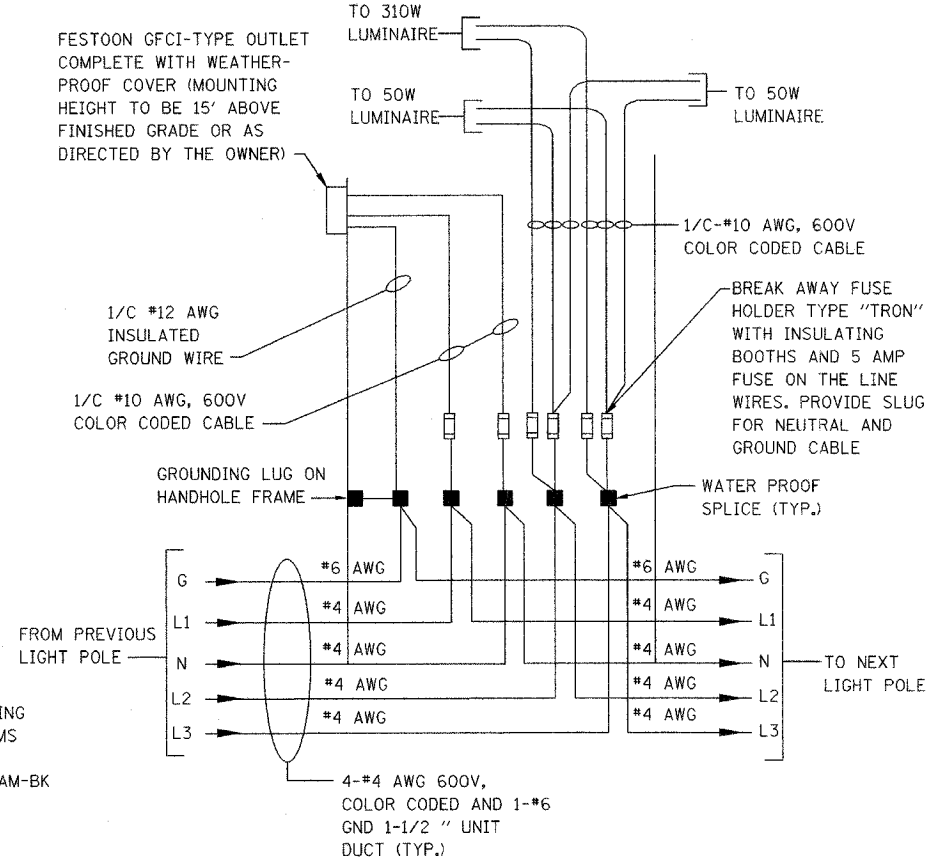


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF ADDISON
NAME	DATE	
		DETAILS SHEET 1 LIGHTING UNIT DETAILS U.S. ROUTE 20 (LAKE STREET)
		SCALE NONE / AS NOTED
		DATE 03-01-05
		DRAWN BY JRH
		CHECKED BY DEM

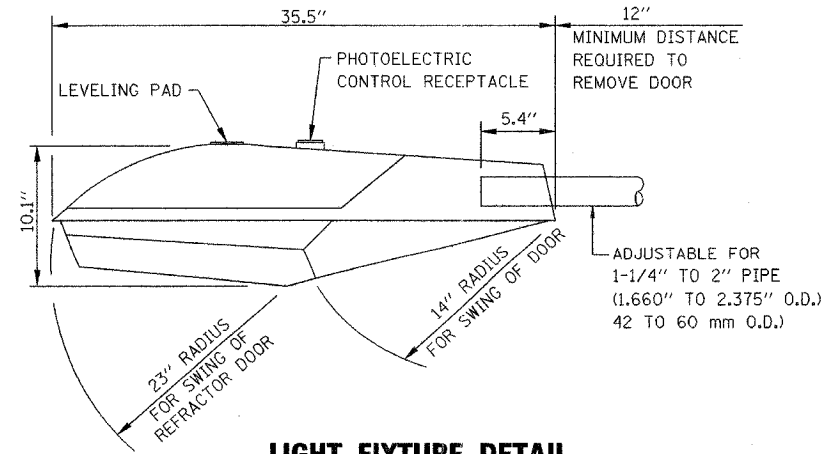
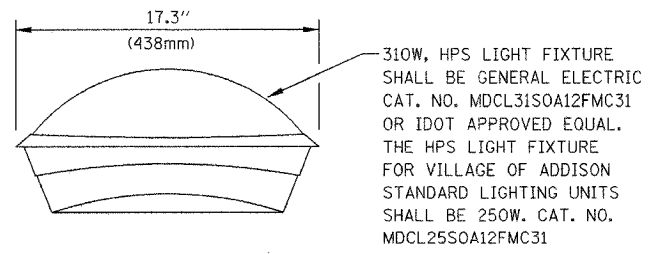
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	37	28
FED. ROAD DIST. NO.		ILLINOIS PROJECT	CONTRACT NO. 62295	



LIGHT POLE DETAIL



POLE BASE DETAIL



LIGHT FIXTURE DETAIL

(4) 1" X 40" LG. GALV'D ANCHOR BOLTS
W/ (2) HEX NUTS & (2) FLAT WASHERS
EACH ON A 15" BOLT CIRCLE (10 5/8" CTRS.)
(10 5/8" CTRS.) (2) 16 GA. SHIMS PROVIDED PER POLE

NOTES:

- POLE & DAVIT HEAT TREATED TO T6 TEMPER AFTER WELDING.
- DESIGNED IN ACCORDANCE WITH 1985 AASHTO FOR 80 M.P.H. WIND ZONE.
- FINISH PAINT: MANUFACTURER'S GLOSS BLACK HEAT-CURED ENAMEL OR POLYESTER RESIN TO MATCH THE EXISTING LIGHTING UNITS.

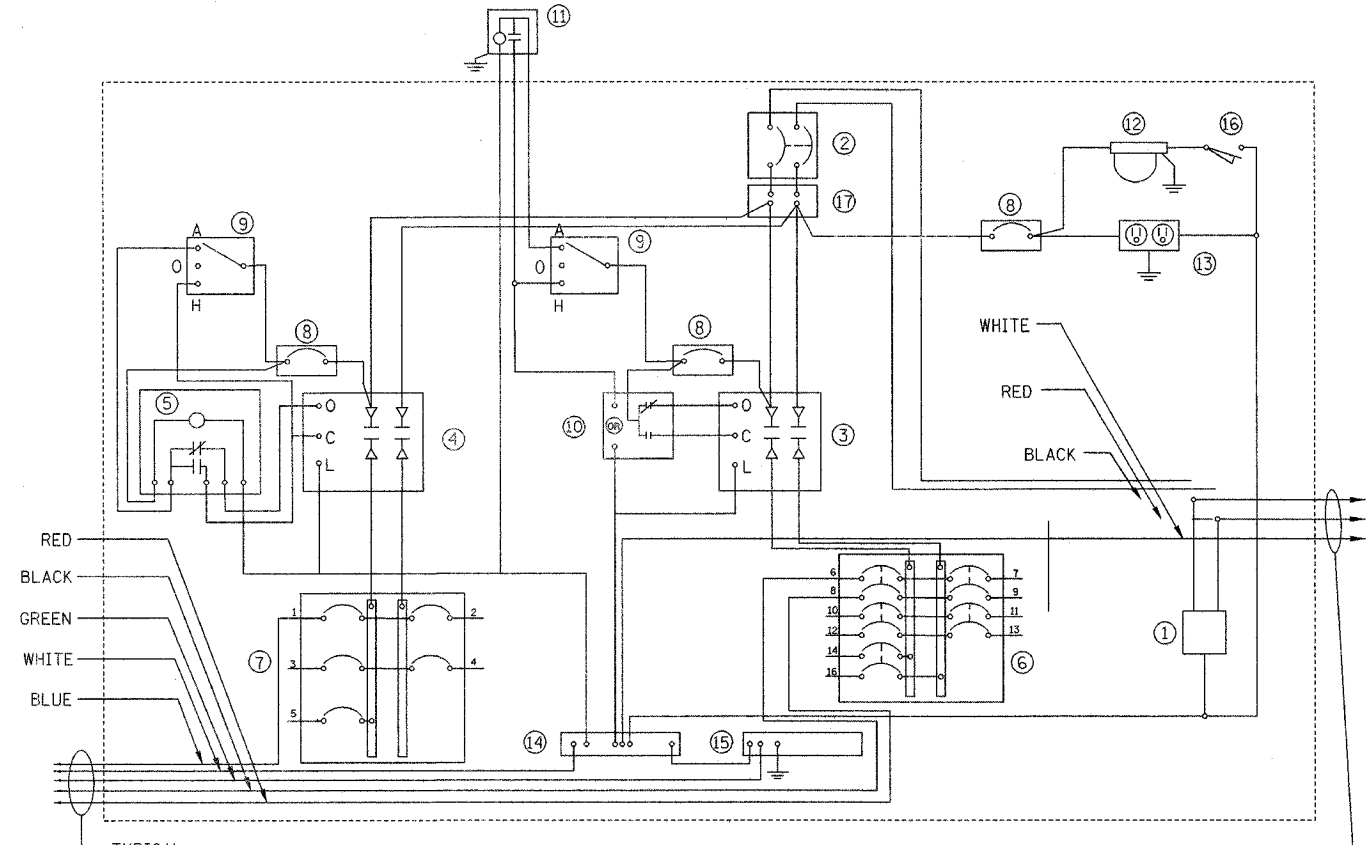
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF ADDISON
NAME	DATE	
		DETAILS SHEET 2 LIGHTING UNIT DETAILS U.S. ROUTE 20 (LAKE STREET)
SCALE NONE / AS NOTED		DRAWN BY JRH
DATE 03-01-05		CHECKED BY DEM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	286
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 62295

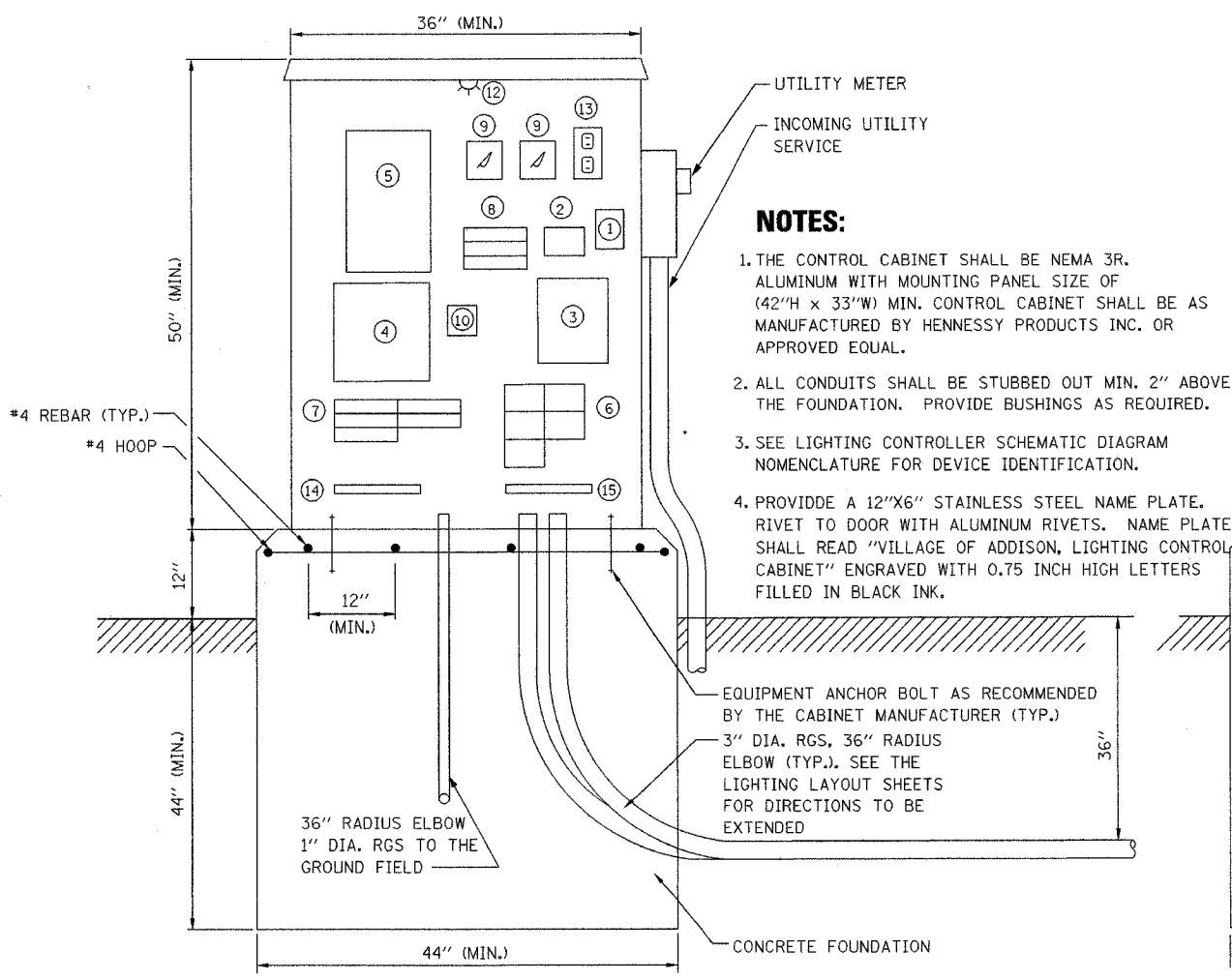
NOMENCLATURE

- ① 10000 AMP SURGE ARRESTOR (ELECTRONIC GUARD, EG 240 RC BY INTERMATIC).
- ② 100AMP, 2 POLE MAIN CIRCUIT BREAKER, 240V, 22KAIC (TYPE "TEB" BY GENERAL ELECTRIC OR TYPE "FAL" BY SQUARE D).
- ③ 100AMP, 2 POLE, SINGLE THROW, ELECTRICALLY OPERATED, MECHANICALLY HELD CONTACTOR (GENERAL ELECTRIC OR SQUARE D).
- ④ 100AMP, 2 POLE, SINGLE THROW, ELECTRICALLY OPERATED, MECHANICALLY HELD CONTACTOR (GENERAL ELECTRIC OR SQUARE D).
- ⑤ ASTRONOMIC TIME SWITCH WITH RESERVE POWER OPTION AND 20AMP CONTACTOR RATING AND MECHANICALLY HELD CONTACTOR CONTROL BY "TORK" OR APPROVED EQUAL.
- ⑥ FIVE 20AMP, 2 POLE CIRCUIT BREAKERS, 240V (TYPE "TEB" BY GENERAL ELECTRIC OR TYPE "FAL" BY SQUARE D).
- ⑦ FIVE 20AMP, 1 POLE CIRCUIT BREAKERS, 120V (TYPE "TEB" BY GENERAL ELECTRIC OR TYPE "FAL" BY SQUARE D).
- ⑧ 15AMP, 1 POLE CIRCUIT BREAKER, 120V (TYPE "TEB" BY GENERAL ELECTRIC OR EQUAL).
- ⑨ 20AMP, SPDT, H-O-A SWITCH, 120V MOUNTED ON 4" X 4" BOX.
- ⑩ AUXILLIARY CONTROL RELAY WITH CONTACTS RATED FOR CONTACTOR INRUSH CURRENT.
- ⑪ PHOTO-CELL WITH 2 MINUTE TIME DELAY, 120V, MOUNTED ON LUMINAIRE CLOSEST TO THE CONTROLLER CABINET, BY "TORK" OR APPROVED EQUAL.
- ⑫ WATER PROOF INCANDESENT LIGHTING FIXTURE WITH 120V, 60 WATT BULB.
- ⑬ 15AMP, 120V, DUPLEX GFCI OUTLET.
- ⑭ 1" X 12" NEUTRAL STRIP LABELED "NEUTRAL" AND JOINED TO THE GROUND STRIP WITH A BONDING JUMPER.
- ⑮ 1" X 12" GROUND STRIP LABELED "GROUND", AND PAINTED GREEN.
- ⑯ LIMIT SWITCH FOR CABINET LIGHT FIXTURE.
- ⑰ POWER TERMINAL BLOCK, 100 A, COPPER AND PHENOLIC CONSTRUCTION



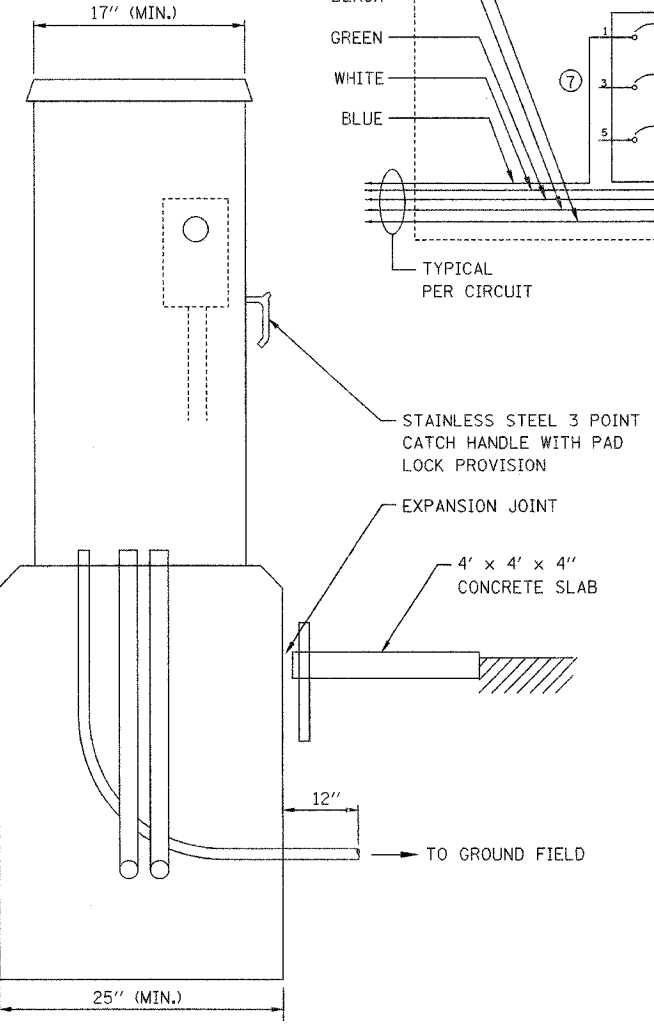
LIGHTING CONTROLLER SCHEMATIC DIAGRAM

3-#2 TO 120/240V SINGLE PHASE 3 WIRE SYSTEM UTILITY METER



FRONT ELEVATION

LIGHTING CONTROL CABINET AND FOUNDATION DETAIL



LEFT SIDE ELEVATION

NOTES:

1. THE CONTROL CABINET SHALL BE NEMA 3R, ALUMINUM WITH MOUNTING PANEL SIZE OF (42"H X 33"W) MIN. CONTROL CABINET SHALL BE AS MANUFACTURED BY HENNESSY PRODUCTS INC. OR APPROVED EQUAL.
2. ALL CONDUITS SHALL BE STUBBED OUT MIN. 2" ABOVE THE FOUNDATION. PROVIDE BUSHINGS AS REQUIRED.
3. SEE LIGHTING CONTROLLER SCHEMATIC DIAGRAM NOMENCLATURE FOR DEVICE IDENTIFICATION.
4. PROVIDE A 12"X6" STAINLESS STEEL NAME PLATE. RIVET TO DOOR WITH ALUMINUM RIVETS. NAME PLATE SHALL READ "VILLAGE OF ADDISON, LIGHTING CONTROL CABINET" ENGRAVED WITH 0.75 INCH HIGH LETTERS FILLED IN BLACK INK.

EQUIPMENT ANCHOR BOLT AS RECOMMENDED BY THE CABINET MANUFACTURER (TYP.)
 3" DIA. RGS, 36" RADIUS ELBOW (TYP.). SEE THE LIGHTING LAYOUT SHEETS FOR DIRECTIONS TO BE EXTENDED

REVISIONS	
NAME	DATE

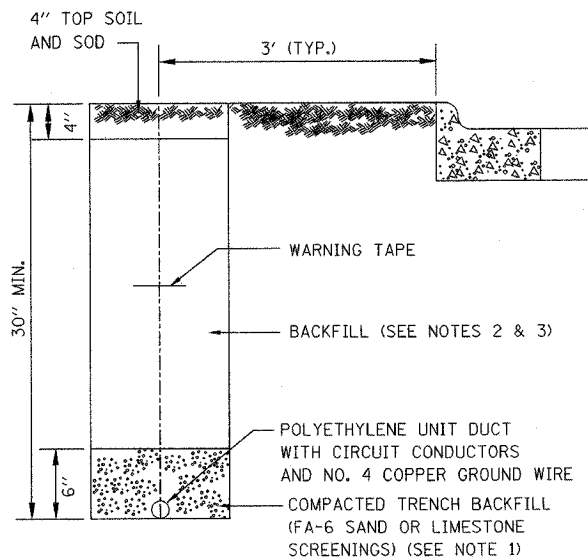
ILLINOIS DEPARTMENT OF TRANSPORTATION
 VILLAGE OF ADDISON

DETAILS SHEET 3
 VILLAGE LIGHTING CONTROLLER DETAILS
 U.S. ROUTE 20 (LAKE STREET)

SCALE NONE / AS NOTED
 DATE 03-01-05
 DRAWN BY JRH
 CHECKED BY DEM



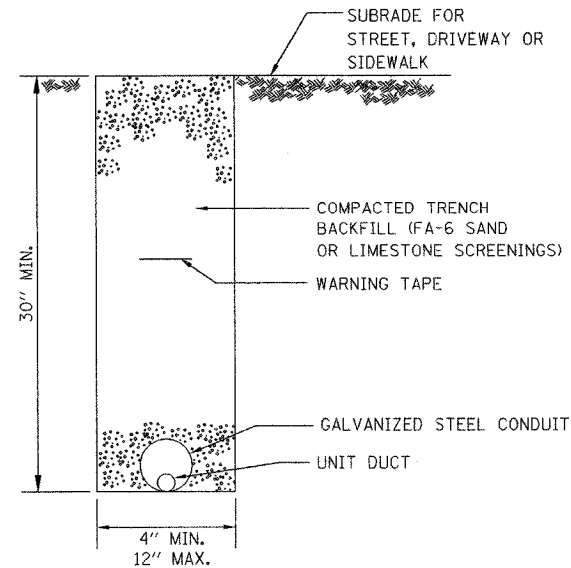
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	392	281
FED. ROAD DIST. NO.		ILLINOIS PROJECT	CONTRACT NO. 62295	



NOTES:

- UNIT DUCT INSTALLED IN TRENCHES SHALL BE COVERED WITH A MINIMUM OF 6" OF COMPACTED FA-6 OR LIMESTONE SCREENINGS.
- IN GRASSY AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
- TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS SHALL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
- WHERE 2 OR MORE UNIT DUCTS RUN ADJACENT TO EACH OTHER, THEY SHALL BE PLACED IN A COMMON TRENCH SO AS NOT TO CROSS EACH OTHER.
- 6" WIDE REINFORCED METALLIC WARNING TAPE, RED WITH BLACK LETTERING TO READ "CAUTION-ELECTRICAL LINE BURIED BELOW". WARNING TAPE TO BE PLACED 1' MINIMUM TO 2' MAXIMUM BELOW FINISHED GRADE.
- ALL GRASSY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

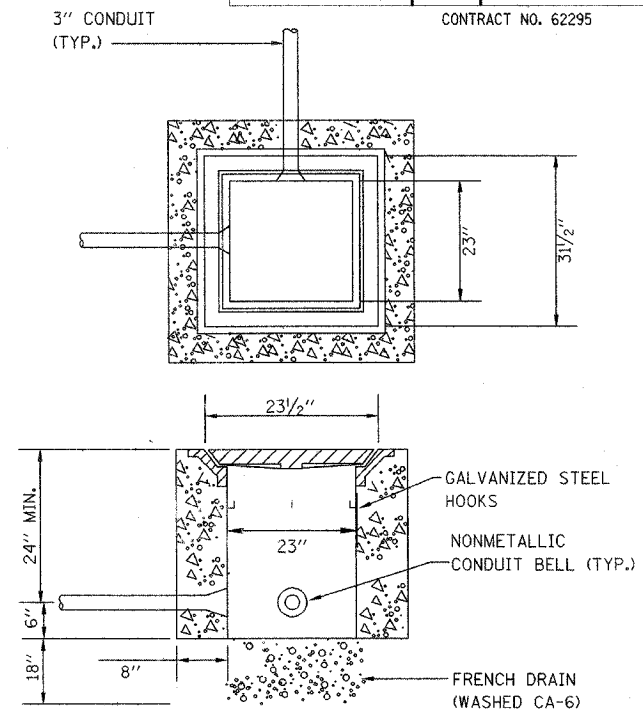
UNITDUCT TRENCH



NOTES:

- CONDUIT SHALL BE HOT DIP GALVANIZED STEEL, A MINIMUM OF 2 1/2" IN DIAMETER.
- CONDUIT SHALL EXTEND A MINIMUM OF 1' BEYOND THE STREET, DRIVEWAY, OR SIDEWALK
- CONDUIT SHALL HAVE BOTH ENDS CAPPED UNTIL USED.
- WHEN PLACED INTO SERVICE, CONDUIT SHALL BE PROVIDED WITH AN INSULATED FIBER BUSHING, AND SEALED WITH A WORKABLE SOFT PLASTIC SEALING COMPOUND AT EACH END.
- 6" WIDE REINFORCED METALLIC WARNING TAPE, RED WITH BLACK LETTERING TO READ "CAUTION-ELECTRICAL LINE BURIED BELOW". WARNING TAPE TO BE PLACED 1' MINIMUM TO 2' MAXIMUM BELOW FINISHED GRADE.
- ALL GRASSY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

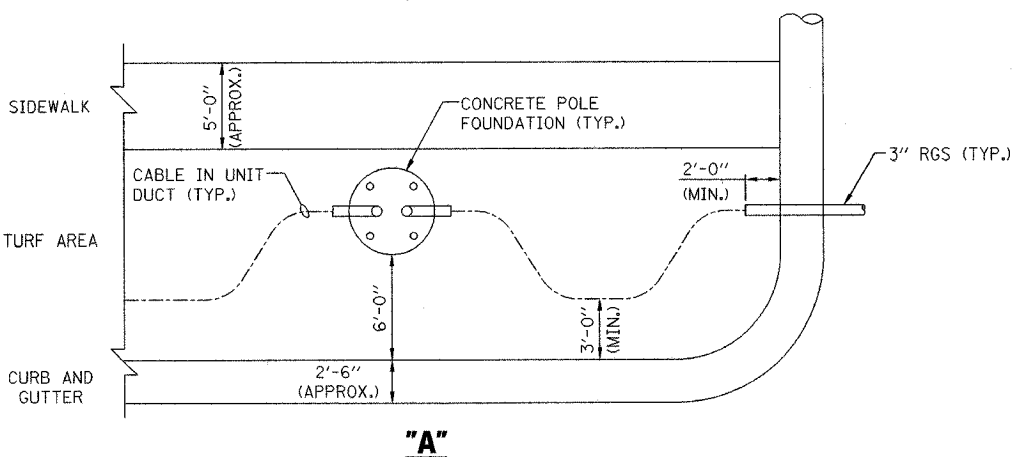
CONDUIT TRENCH



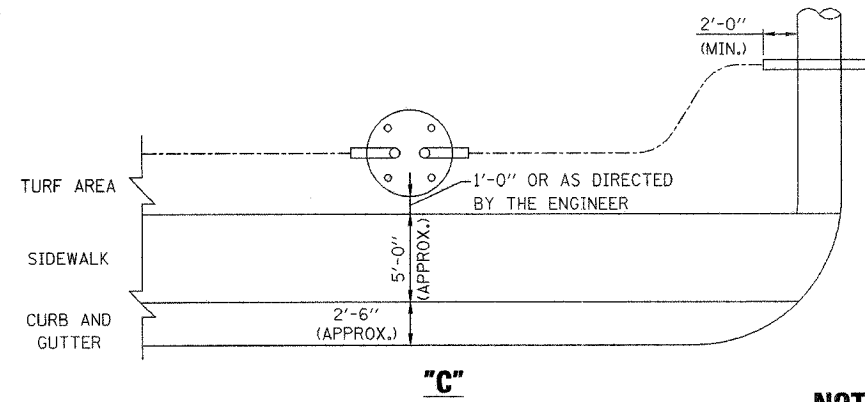
HEAVY DUTY HANDHOLE DETAIL

- CAD WELD #8 BARE STRANDED COPPER WIRE TO 5/8" X 10' COPPER CLAD GROUND ROD.
- DRILL AND TAP A METAL FRAME FOR 1/4-20. INSERT 1 INCH X 1/4-20 BOLT FROM THE INSIDE WITH GREASE ON THE THREADS TO ALLOW EASY REMOVAL AFTER CONCRETE IS SET. DRILL A 1/4 INCH HOLE IN THE LID FOR A NUT AND BOLT ATTACHMENT OF #8 JUMPER CABLE.
- CONNECT #8 COPPER WIRE FROM GROUND ROD TO FRAME AND JUMPER BETWEEN FRAME AND LID.

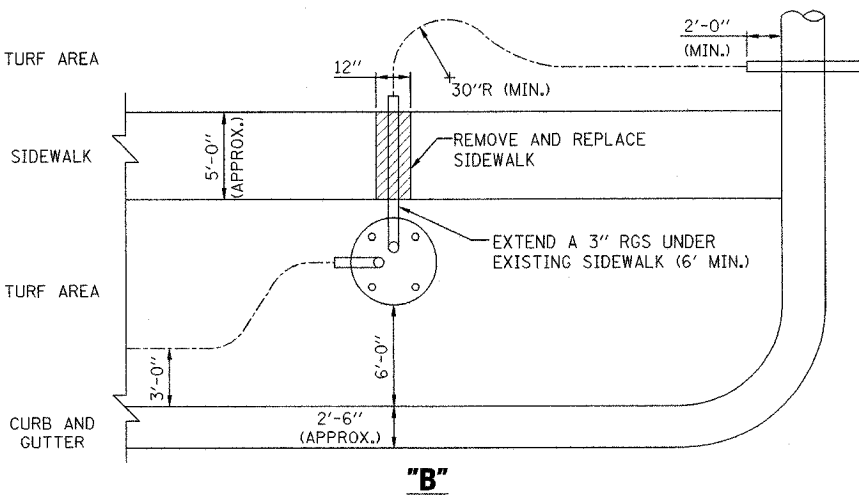
GROUNDING REQUIREMENTS FOR ROADWAY TYPE STREET LIGHTING HANDHOLES



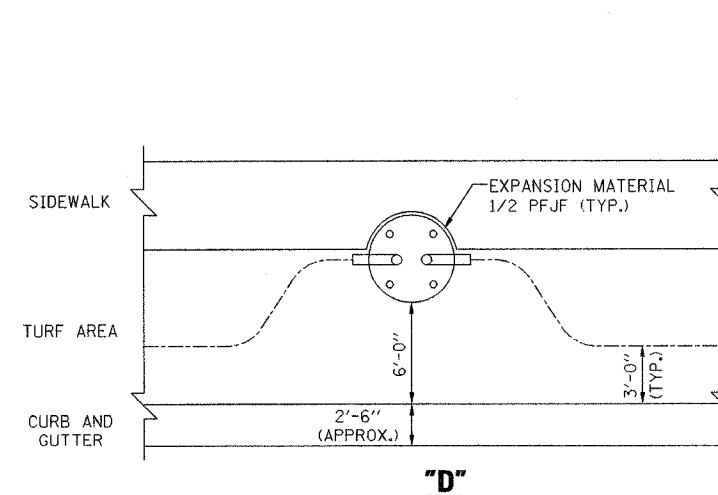
"A"



"C"



"B"



"D"

TYPICAL UNIT DUCT AND CONDUIT INSTALLATION DETAILS

N.T.S.

NOTES:

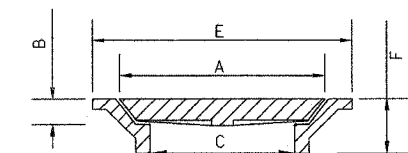
- UNIT DUCT SHALL BE INSTALLED MIN. 3'-0" FROM B.O.C.
- CONTRACTOR SHALL MAKE AN EFFORT TO INSTALL RGS CONDUITS (UNDER DRIVEWAYS OR ROADWAY) AT THE SAME SIDE OF THE SIDEWALK AS THE POLE FOUNDATION (DETAIL "A").
- WHEN ITS NECESSARY TO CROSS THE EXISTING SIDEWALK, CONTRACTOR SHALL INSTALL A 3" RGS CONDUIT PERPENDICULAR TO THE SIDEWALK (DETAIL "B").
- WHEN LOCATION OF A POLE FOUNDATION FALLS COMPLETELY WITHIN THE EXISTING SIDEWALK, CONTRACTOR SHALL CONSTRUCT THE FOUNDATION AT THE SIDE OF SIDEWALK AWAY FROM THE ROAD. WHEN PARTIAL OVERLAP OCCURS, CONTRACTOR SHALL CONSTRUCT THE POLE FOUNDATION AS SHOWN ON DETAIL "D".

NOTES:

COVER TO BE IMPRINTED WITH "STREET LIGHTING".

FRAMES SHALL BE FURNISHED WITH TYPE "G" LIFTING HANDLES AND TYPE "T" HINGES WITH A SAFETY BAR.

FRAMES SHALL BE GROUNDED PER N.E.C.

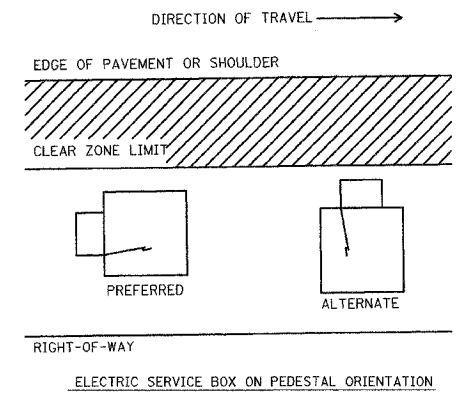
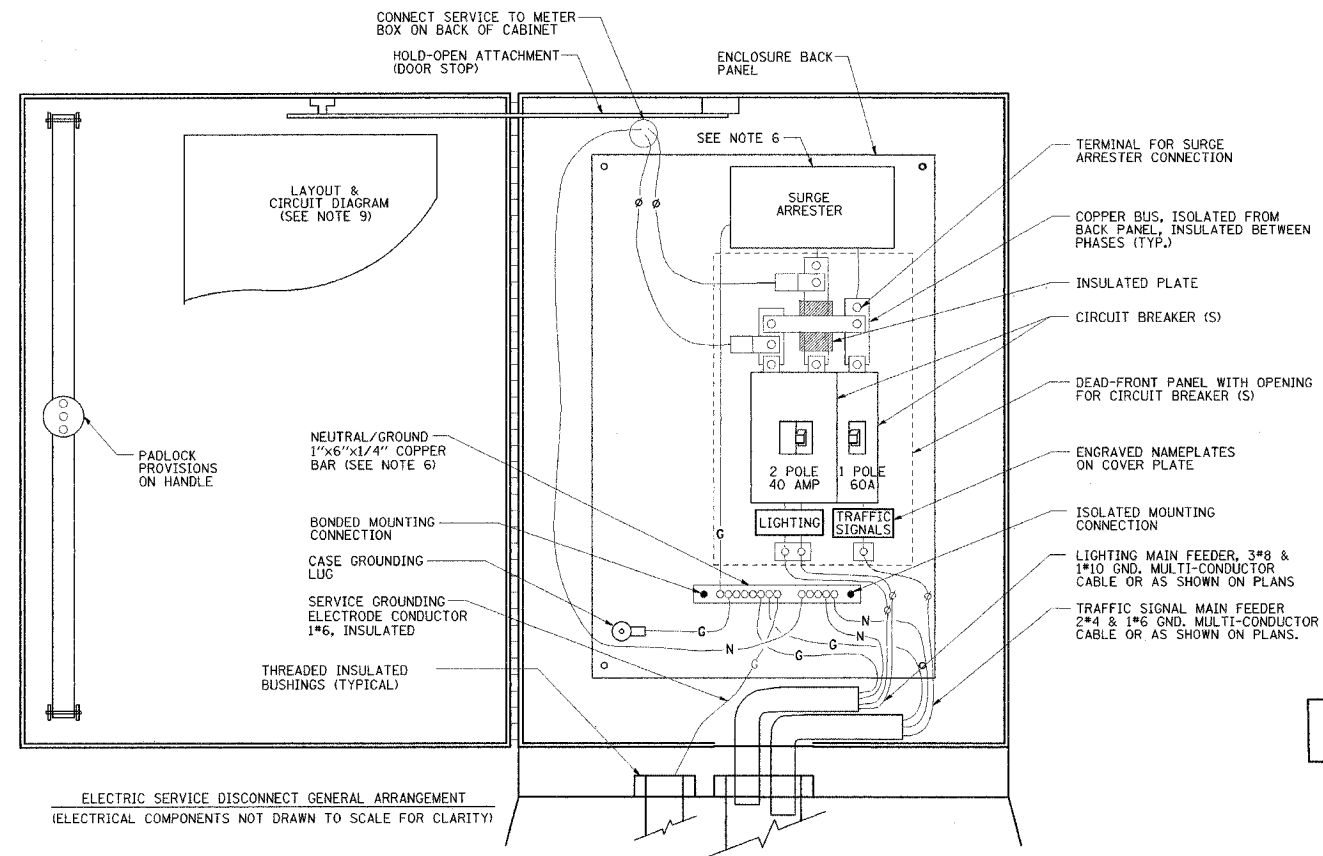


NEENAH R-6662-HH
DIMENSIONS IN INCHES
A: 23 1/2 X 23 1/2
B: 1 3/4
C: 23 X 23
E: 31 1/2 X 31 1/2
F: 4

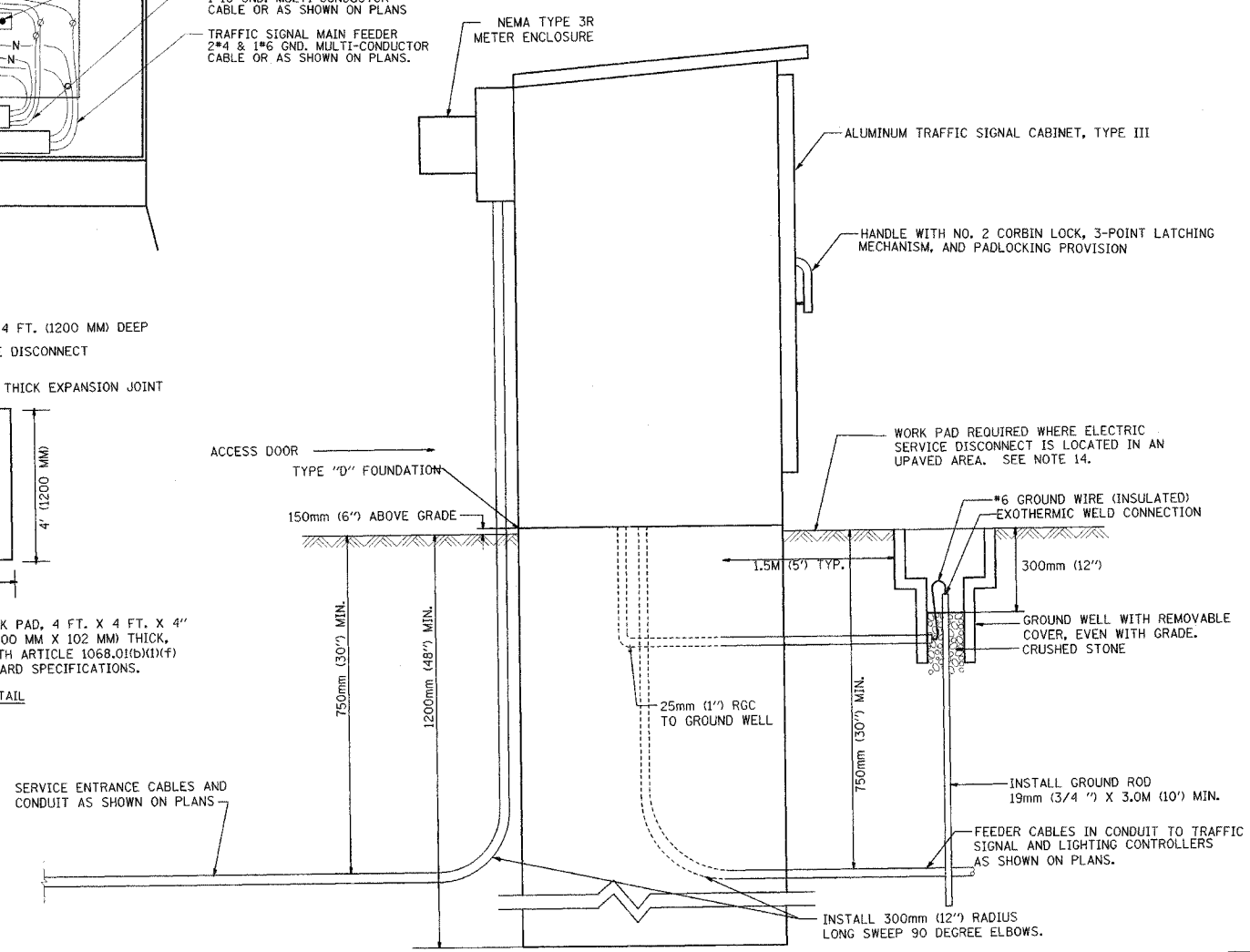
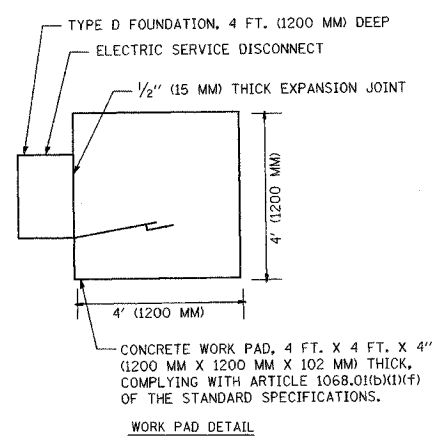
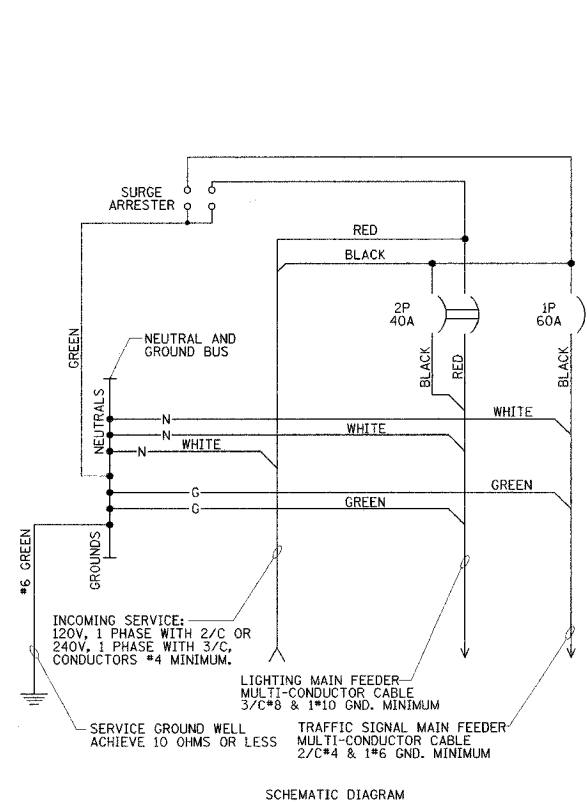
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF ADDISON
NAME	DATE	
		DETAILS SHEET 4 MISCELLANEOUS DETAILS U.S. ROUTE 20 (LAKE STREET)
		SCALE NONE / AS NOTED
		DATE 03-01-05
		DRAWN BY JRH
		CHECKED BY DEM



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-3	DUPAGE	392	283
FED. ROAD DIST. NO.		ILLINOIS PROJECT		



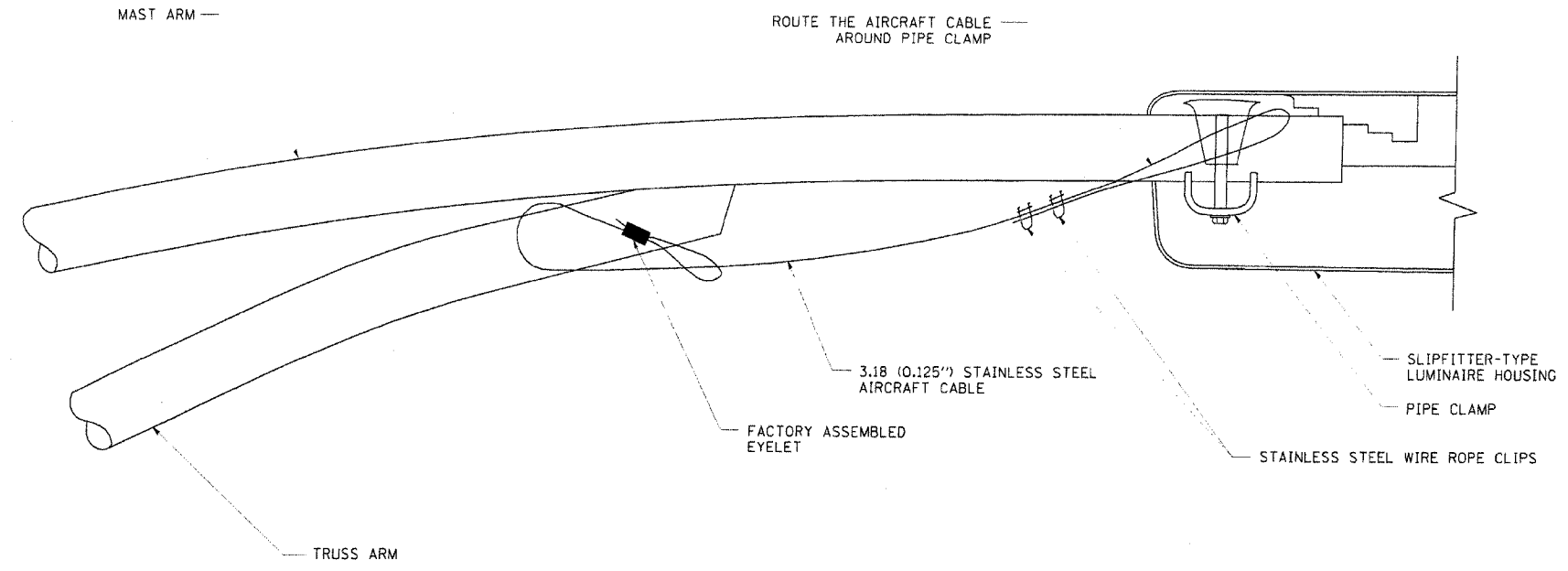
- NOTES:
- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR AS DESIGNATED BY THE ENGINEER. SERVICE CABLE AND CONDUIT SHALL BE COMPATIBLE WITH THE SERVICE.
 - THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT AND ACCEPTABLE TO THE ELECTRIC UTILITY.
 - THE ELECTRIC SERVICE DISCONNECT ENCLOSURE SHALL BE A TYPE III TRAFFIC SIGNAL CABINET, APPROXIMATELY 28" W X 48" H X 16" D, WITH A PIANO-HINGED DOOR, INSULATING BACK PANEL, LEVER HANDLE WITH 3-POINT LATCHING MECHANISM, PADLOCK PROVISIONS, AND DOOR STOP.
 - CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
 - THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, JOSLYN ELECTRONICS SURGITRON III MODEL 1265-21 OR APPROVED EQUAL.
 - BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND A DEAD-FRONT PANEL WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
 - THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
 - THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
 - A WEATHER-RESISTANT PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
 - A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
 - LUGS AND CONNECTORS SHALL BE RATED FOR 75°C CONDUCTORS.
 - THE EXACT AND LOCATION OF THE ELECTRIC SERVICE DISCONNECT SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PERMIT READY ACCESS FOR MAINTENANCE.
 - SIZES OF CONDUIT, CABLES AND CONDUCTORS, WHERE SHOWN, ARE MINIMUM SIZES, AND SHALL BE SUPERCEDED BY THOSE SHOWN ON PLAN DRAWINGS.
 - A WORK PAD SHALL BE CONSTRUCTED WHEREVER THE DOOR SIDE OF THE ELECTRIC SERVICE DISCONNECT DOES NOT FACE AND HORIZONTALLY ABUT A PAVED SURFACE. THE SLAB SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 1068.01(b)(1)(f) OF THE STANDARD SPECIFICATIONS. THE PAD SHALL BE SQUARE IN FRONT OF AND CENTERED ON THE FACE OF THE ELECTRICAL SERVICE DISCONNECT DOOR. IF ANOTHER PAVED SURFACE ENTERS THIS AREA, IT SHALL BE EXTENDED TO COVER THIS REQUIRED AREA. OR A WORK PAD SHALL BE BUILT TO COVER ANY UNPAVED PORTION THEREOF. ANY JOINTS BETWEEN THE PAD AND ADJACENT PAVED SURFACES SHALL BE MADE WITH 1/2" PREFORMED EXPANSION JOINT FILLER.
 - THE ELECTRIC SERVICE DISCONNECT SHALL BE LOCATED WITHIN THE IDOT RIGHT-OF-WAY, AND OUTSIDE THE CLEAR ZONE. THE DOOR OF THE ELECTRIC SERVICE DISCONNECT SHALL BE ORIENTED SO THAT A PERSON FACING THE ELECTRIC SERVICE DISCONNECT IS LOOKING TOWARD ONCOMING TRAFFIC (PREFERRED) OR ACROSS THE MAJOR STREET.
 - THE ELECTRIC SERVICE DISCONNECT FOUNDATION SHALL BE CONSTRUCTED IN COMPLIANCE WITH SECTION 878 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD DRAWING 878001-03, AS MODIFIED ON THIS SHEET. THE GROUND ROD SHALL BE INSTALLED IN AN ACCESS WELL, AND SHALL NOT BE EMBEDDED IN THE FOUNDATION.



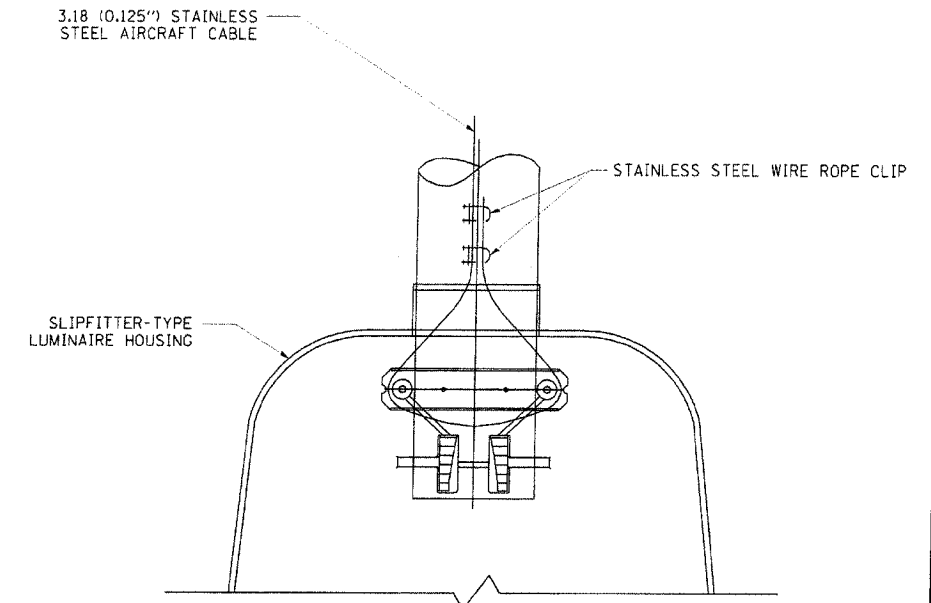
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF ADDISON
NAME	DATE	
		DETAILS SHEET 6 COMBINATION LIGHTING AND TRAFFIC ELECTRIC SERVICE BOX ON PEDESTAL U.S. ROUTE 20 (LAKE STREET)
SCALE NONE/AS NOTED		DRAWN BY JRH
DATE 03-01-05		CHECKED BY DEM



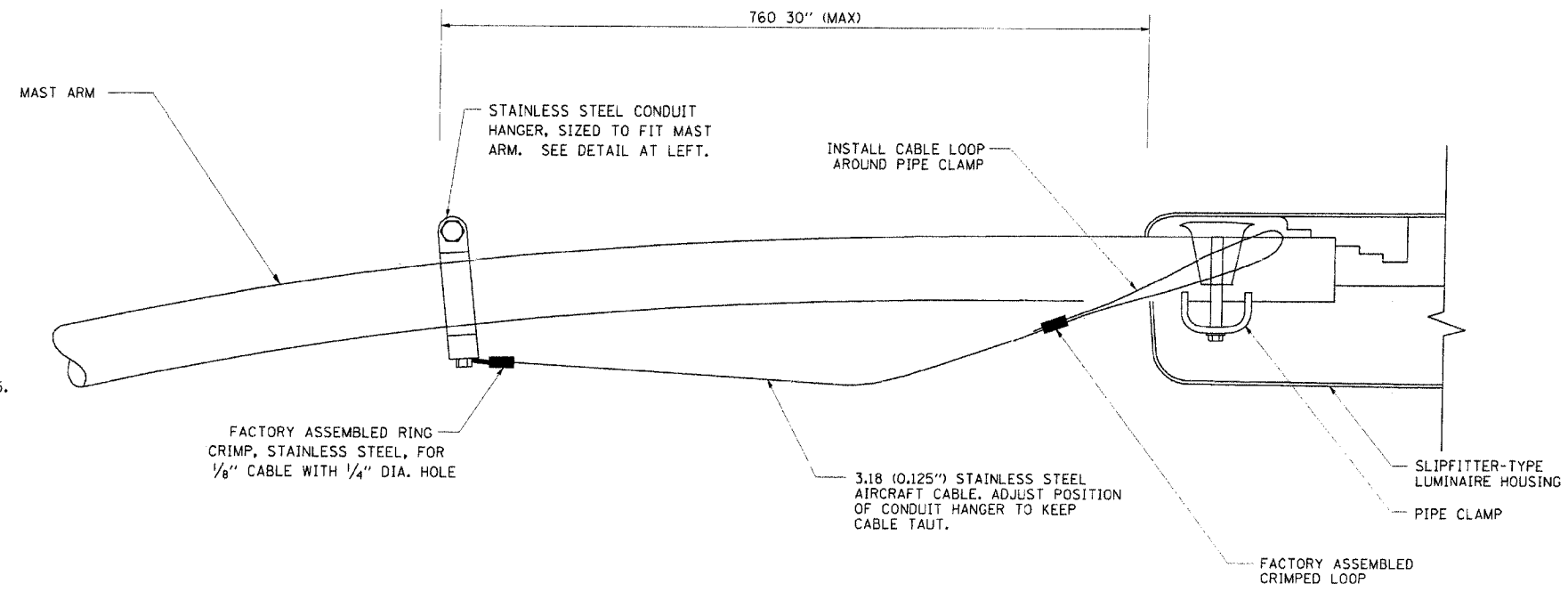
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-3	DUPAGE	392	284
FED. ROAD DIST. NO.		ILLINOIS PROJECT		



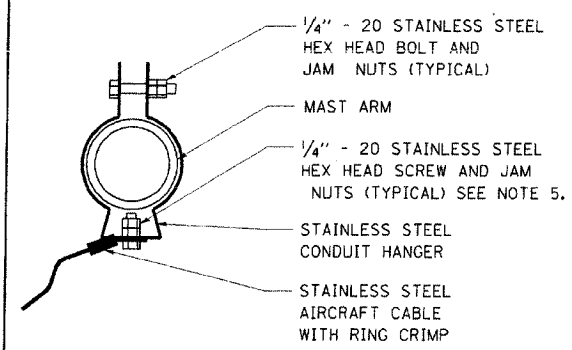
SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



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



STAINLESS STEEL CONDUIT HANGER
INSTALLATION DETAIL (N. T. S.)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN. FASTENERS ARE UNC.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIPS OR CONDUIT HANGERS TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 3.18 (0.125") STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MINIMUM.
 5. FOR CONDUIT HANGERS WITH A HOLE LARGER THAN 8 MM (5/16"), INSTALL STAINLESS STEEL WASHERS ON EACH SIDE OF HANGER TO POSITIVELY RETAIN BOLT.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF ADDISON
NAME	DATE	
		DETAILS SHEET 7 COMBINATION POLE FIXTURE SAFETY CABLE U.S. ROUTE 20 (LAKE STREET)
SCALE NONE/AS NOTED		DRAWN BY JRH
DATE 03-01-05		CHECKED BY DEM



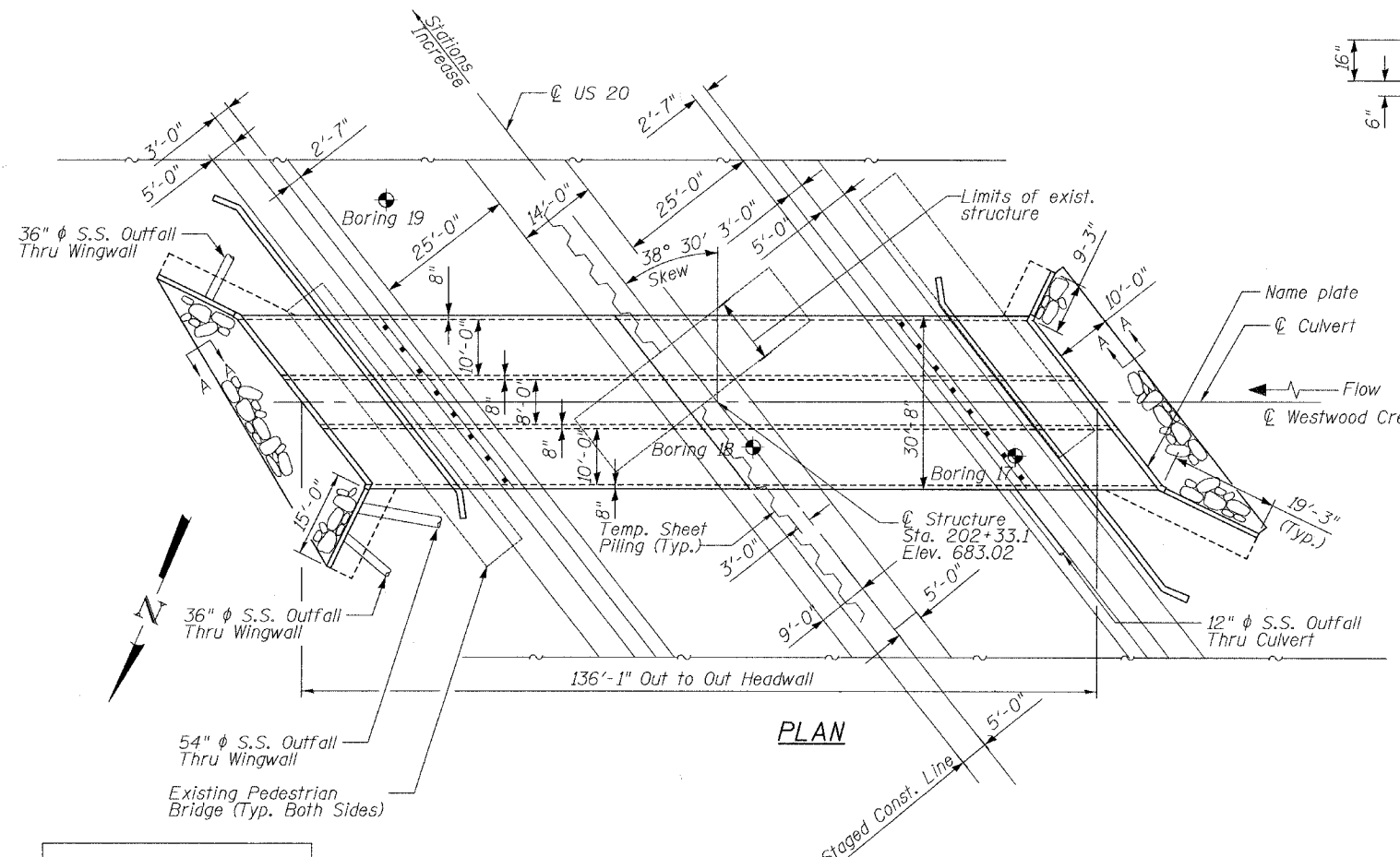
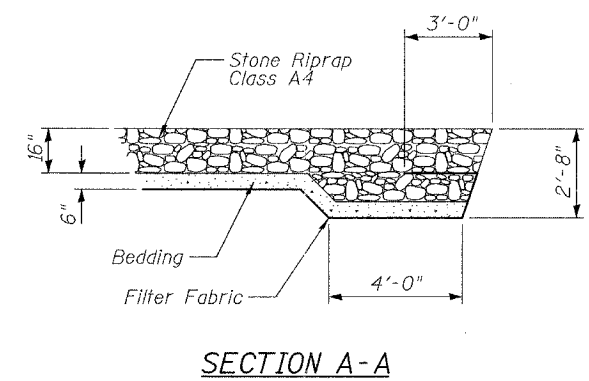
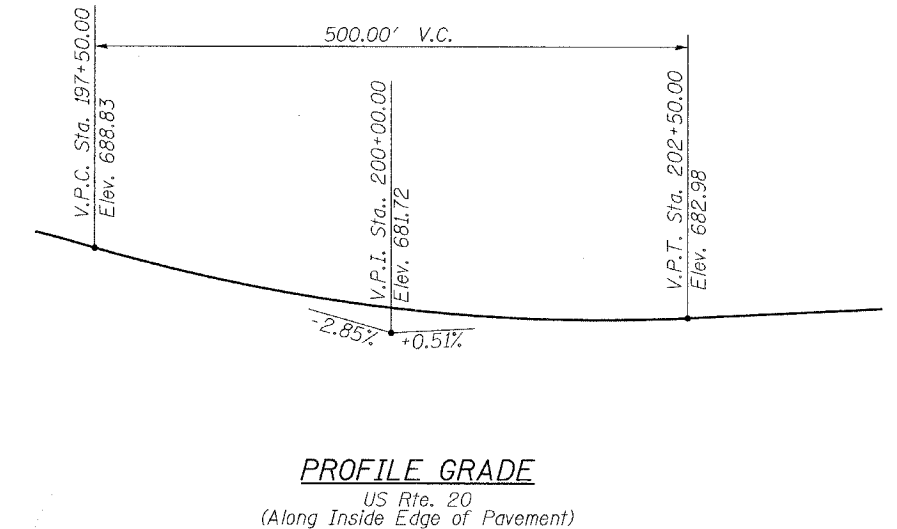
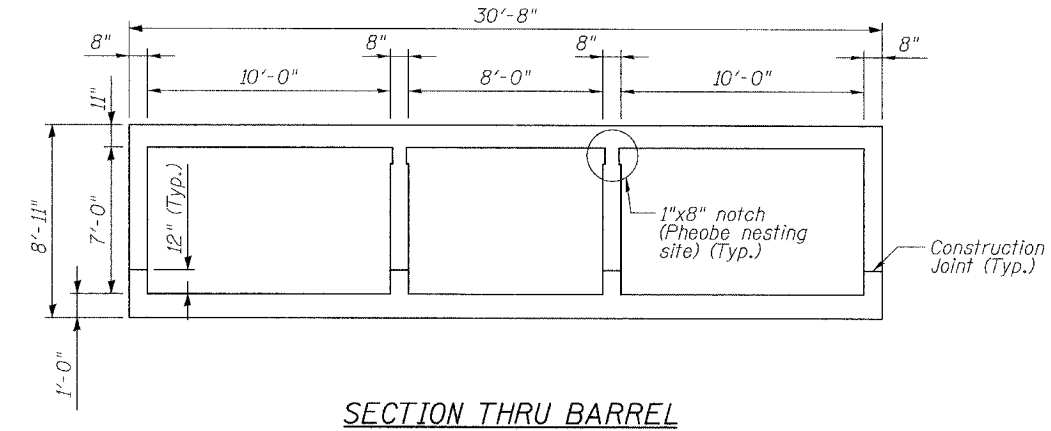
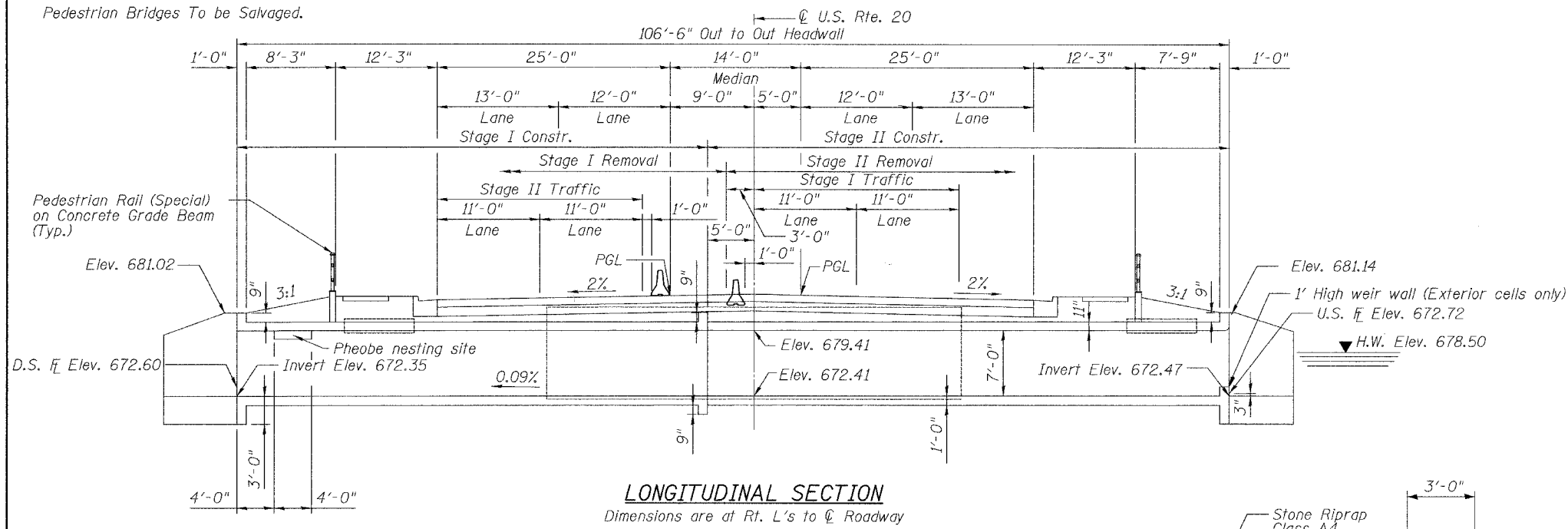
Bench Mark: Set iron rod in south gravel apron
 Station 201+22.66 33.3'RT.
 Elevation 680.23

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

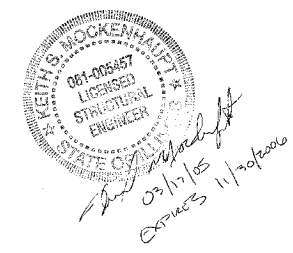
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 1 10 SHEETS
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	392	285	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			
CONTRACT No. 62295					

Existing Structure: The existing structure is a simple span, reinforced concrete, 12' x 7' box culvert. The total structure length is 14'-0". The structure width from face-of-rail to face-of-rail is 44'-0". Contractor shall remove existing culvert and pedestrian bridges to construct new culvert. Traffic to be maintained utilizing stage construction.

Pedestrian Bridges To be Salvaged.



APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
 ENGINEER OF STRUCTURES



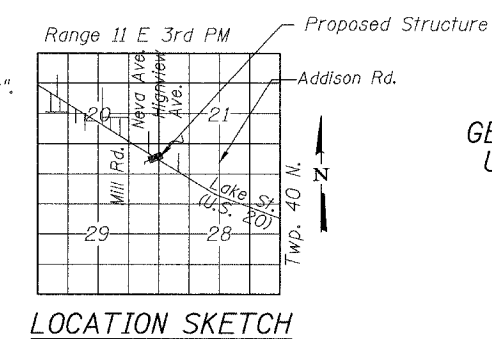
WATERWAY INFORMATION

Drainage Area = 4.2 Sq. Mi. Low Grade Elev. 681.80 @ Sta. 202+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	10	236	68.50	117.20	677.60	0.20	0.10	677.80	677.70
Base	50	343	81.10	142.40	678.50	0.40	0.10	678.90	678.60
Overtopping	100	389	85.30	150.80	678.80	0.40	0.10	679.20	678.90
Max. Calc.	500	520	95.10	170.40	679.50	0.70	0.20	680.20	679.70

LOADING HS20-44
 Allow 50#/sq. ft. for future wearing surface.
DESIGN SPECIFICATIONS
 2002 AASHTO "Standard Specifications for Highway Bridges".

DESIGN STRESSES
 FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 Max Soil Pressure Under Footing = 2400 psf



GENERAL PLAN AND ELEVATION
 US ROUTE 20 (LAKE STREET)
 OVER WESTWOOD CREEK
 F.A.U. Rt. 3537 SEC 5Y-R-4
 DUPAGE COUNTY
 STATION 202+33.1
 STRUCTURE NO. 022-0175

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



11-11-2004

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	397	286
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT No. 62295	

SHEET NO. 2
10 SHEETS

INDEX OF DRAWING SHEETS

1. GENERAL PLAN AND ELEVATION
2. GENERAL NOTES, NAME PLATE, DRAWING INDEX AND TOTAL BILL OF MATERIAL
3. STAGE I CONSTRUCTION
4. STAGE I - WINGWALL ELEVATIONS & TEMPORARY SHEET PILING
5. STAGE II CONSTRUCTION
6. PEDESTRIAN RAIL
7. BAR SPLICER ASSEMBLY DETAILS
8. TEMPORARY CONCRETE BARRIER
9. SOIL BORING No. 17 & No. 19 LOG
10. SOIL BORING No. 18 LOG

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
4. All construction joints shall be bonded.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
REMOVAL OF EXISTING STRUCTURES	L. SUM	1
STONE RIPRAP, CLASS A4	SQ YD	117.8
FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	117.8
CONCRETE BOX CULVERTS	CU YD	433.6
REINFORCEMENT BARS	POUND	110,650
REINFORCEMENT BARS, EPOXY COATED	POUND	400
BAR SPLICERS	EACH	240
NAME PLATES	EACH	1
TEMPORARY SHEET PILING	SQ FT	1,657.8
PEDESTRIAN RAIL (SPECIAL)	FOOT	80.8

STATION 202+33.1
BUILT 200_ BY
STATE OF ILLINOIS
F.A.U. RT. 3537 (US 20)
SECTION 5Y-R-4
LOADING HS20-44
STR. NO. 022-0175

NAME PLATE

See Std. 515001

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.

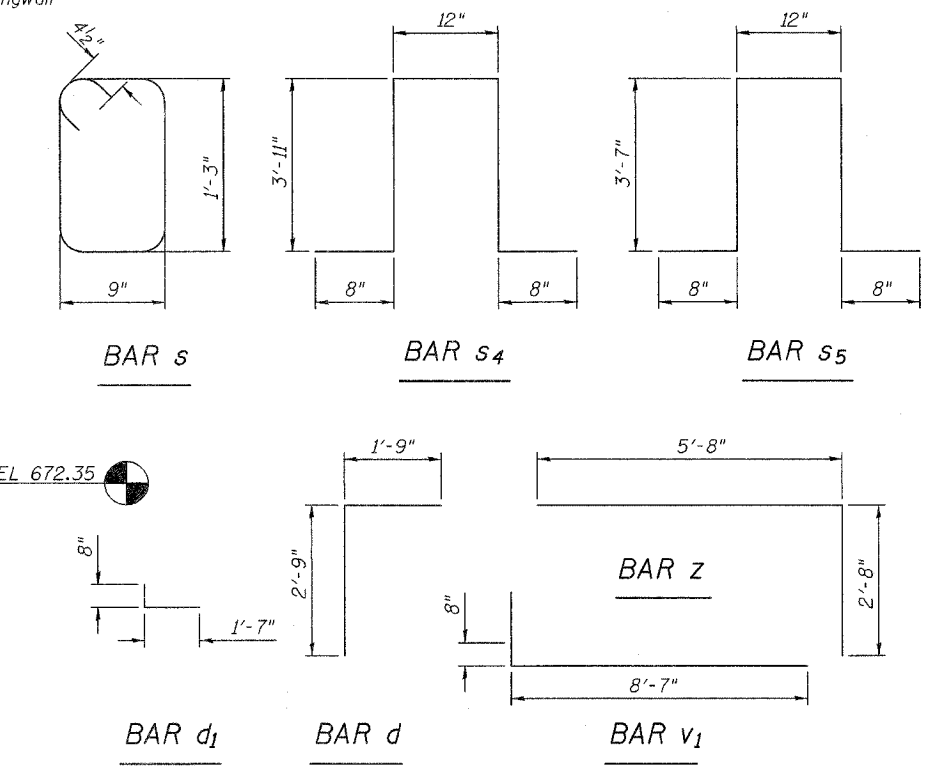
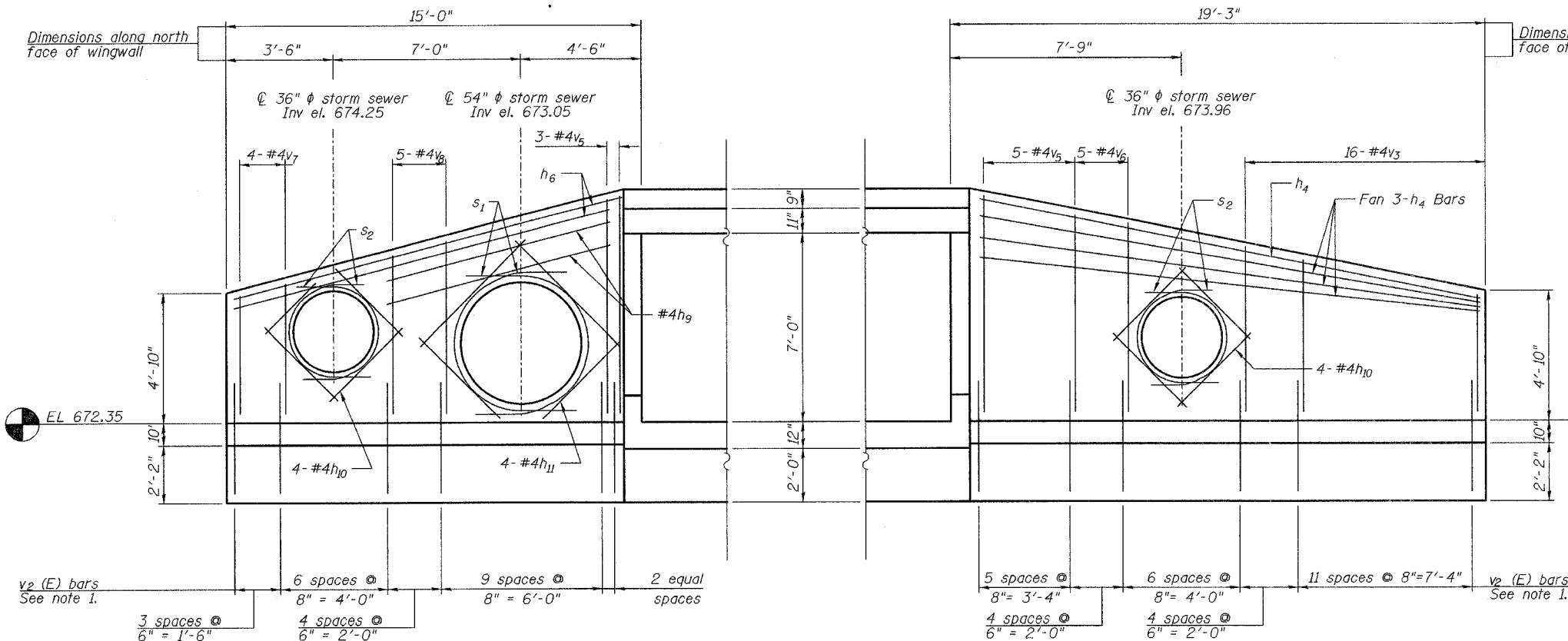
11-11-2004



GENERAL NOTES, NAME PLATE,
DRAWING INDEX & TOTAL BILL OF MATERIAL
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

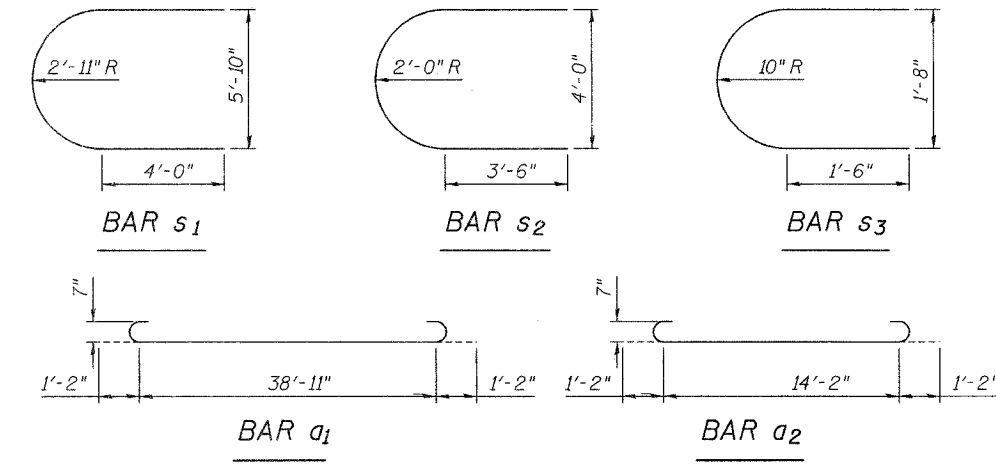
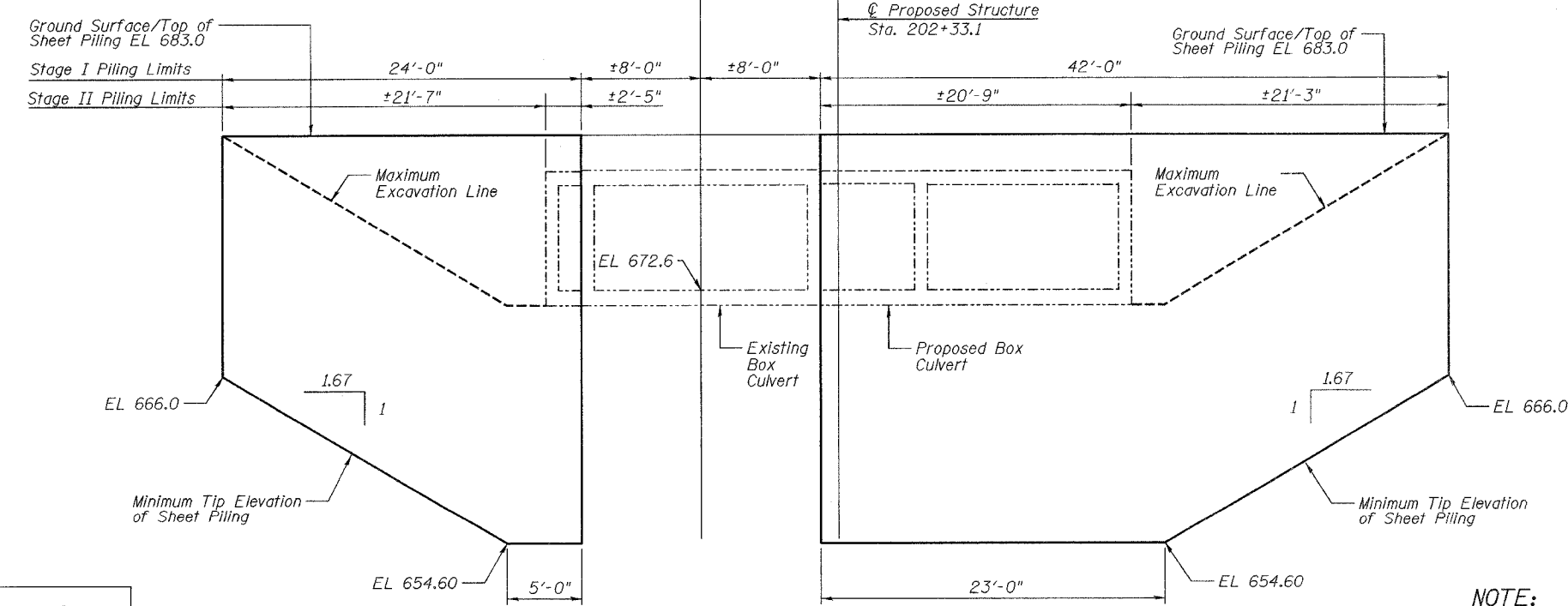
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	397	288
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT No. 62295				



NW (SHORT) WINGWALL ELEVATION
Looking North

NE (LONG) WINGWALL ELEVATION
Looking North



- NOTES:**
- Adjust v₂ (E) bar spacing as required to miss sewer pipes. Maximum spacing 8".
 - Cut v₂ (E) bars and horizontal bars as required at the sewer pipes.
 - See Sheet 3 for Bill of Material.

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



TEMPORARY SHEET PILING (LOOKING SOUTH)
Minimum Section Modulus of Sheet Piling = 22.6 in³/ft
(Dimensions are along ϕ of Roadway)

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Sheet Piling	SQ FT	1657.8

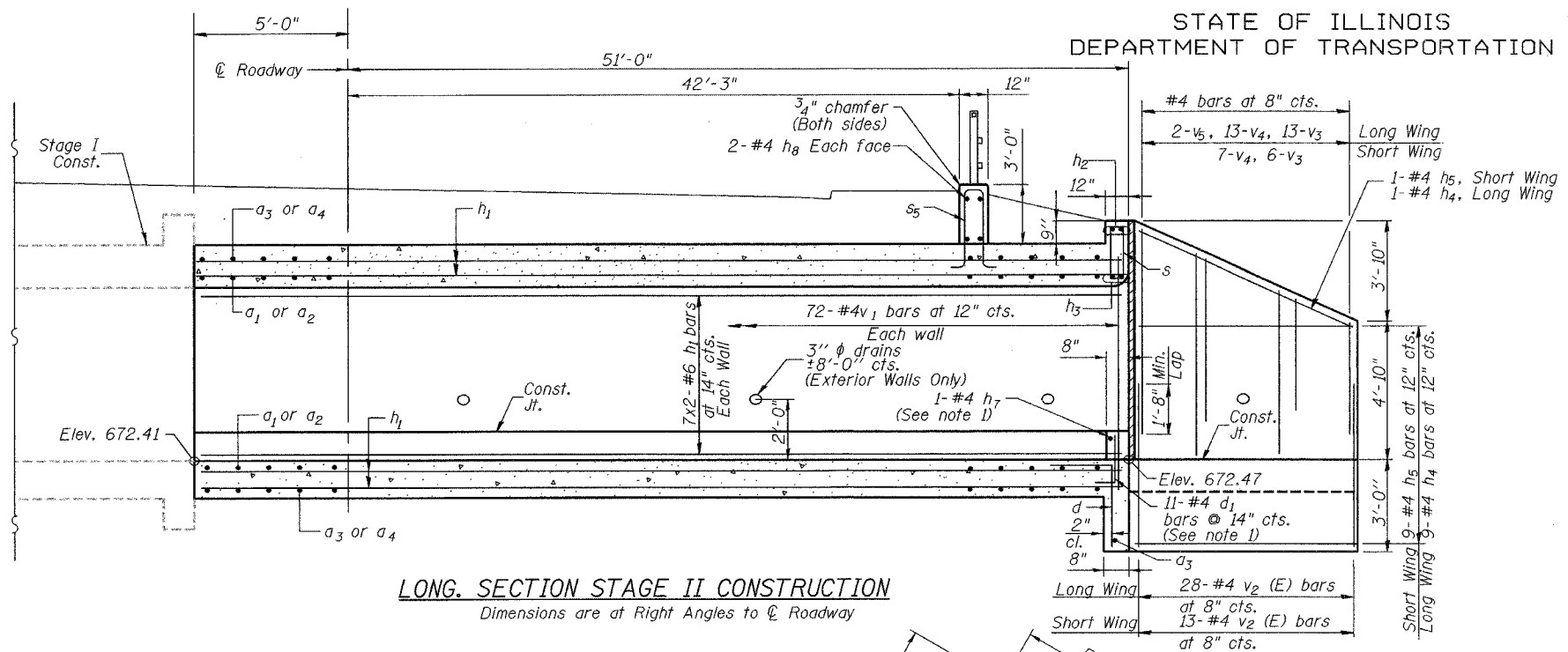
NOTE:
If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

STAGE I - WING WALL ELEVATIONS & TEMPORARY SHEET PILING US ROUTE 20 (LAKE STREET) OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

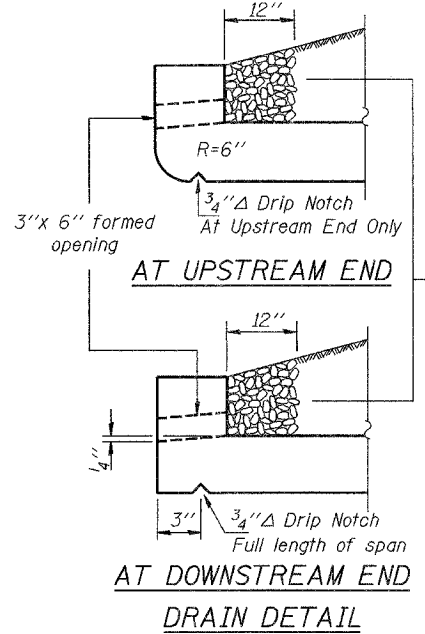
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.U. Rt. 3537	SECTION 5Y-R-4	COUNTY DUPAGE	DATE 3/07	SHEET NO. 279	SHEET NO. 5 10 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT-		CONTRACT No. 62295	

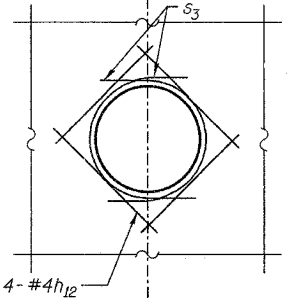


LONG. SECTION STAGE II CONSTRUCTION
Dimensions are at Right Angles to C Roadway



DRAIN DETAIL

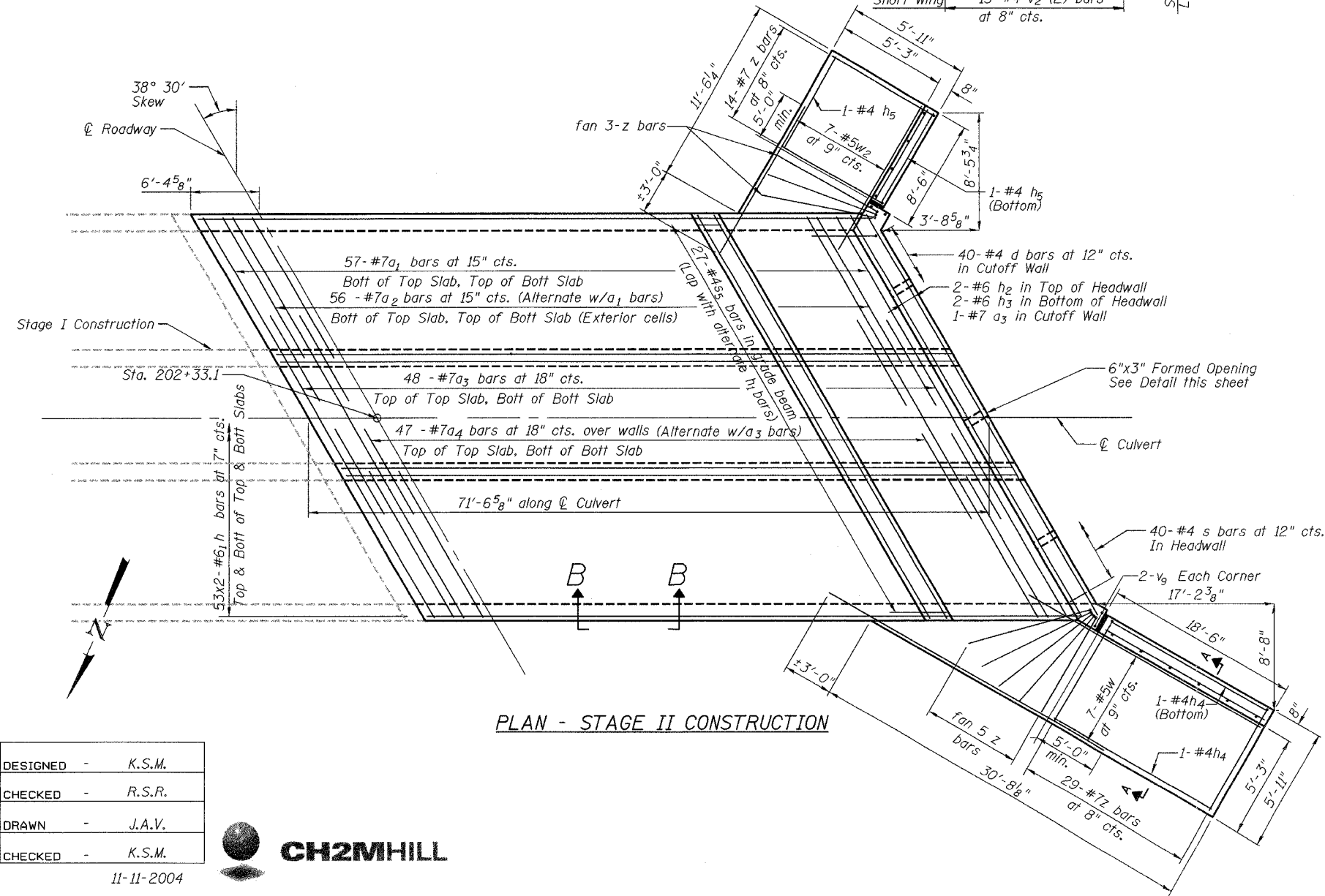
C 12" ϕ storm sewer,
STA. 201+89, 32.0' RT.
Inv. el. 676.70



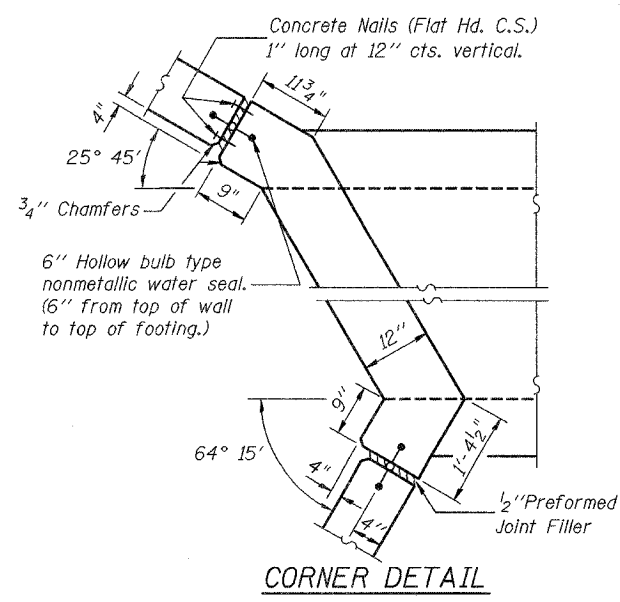
SECTION B-B

**STAGE II CONSTRUCTION
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a ₁	114	#7	41'-3"	U	
a ₂	224	#7	16'-6"	U	
a ₃	97	#7	38'-11"	—	
a ₄	188	#7	6'-0"	—	
d	40	#4	4'-6"	L	
d ₁	22	#4	2'-3"	L	
h ₁	480	#6	36'-8"	—	
h ₂	2	#6	38'-3"	—	
h ₃	2	#6	38'-10"	—	
h ₄	12	#4	18'-3"	—	
h ₅	12	#4	8'-3"	—	
h ₇	2	#4	13'-7"	—	
h ₈	4	#4	38'-10"	—	
h ₁₂	4	#4	3'-8"	—	
s	40	#4	4'-9"	U	
s ₃	2	#4	5'-7"	U	
s ₅	27	#4	9'-6"	L	
v ₁	288	#4	9'-3"	—	
v _{2(E)}	41	#4	6'-3"	—	
v ₃	19	#4	4'-9"	—	
v ₄	20	#4	6'-6"	—	
v ₅	2	#4	6'-9"	—	
v ₉	4	#4	11'-4"	—	
w	7	#5	22'-9"	—	
w ₂	7	#5	12'-0"	—	
z	51	#7	8'-4"	—	
Concrete Box Culverts				Cu. Yd.	224.9
Reinforcement Bars, Epoxy Coated				Pound	170
Reinforcement Bars				Pound	57,750



PLAN - STAGE II CONSTRUCTION



CORNER DETAIL

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



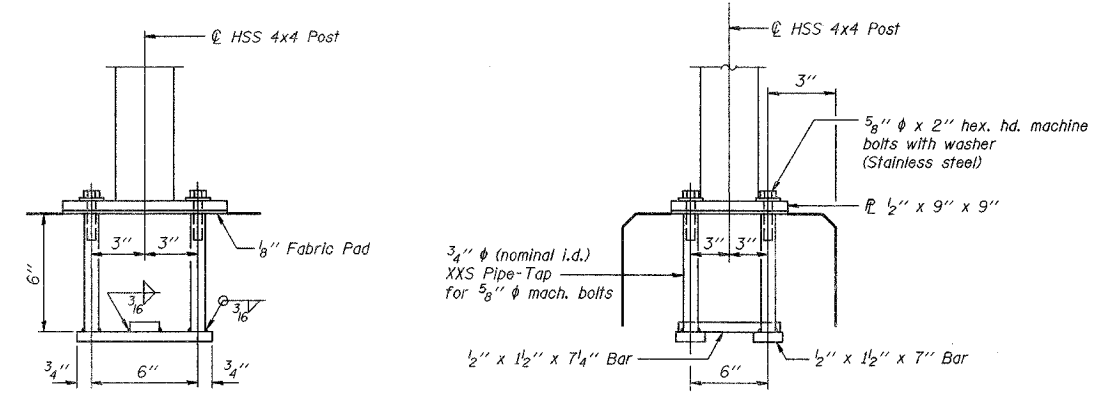
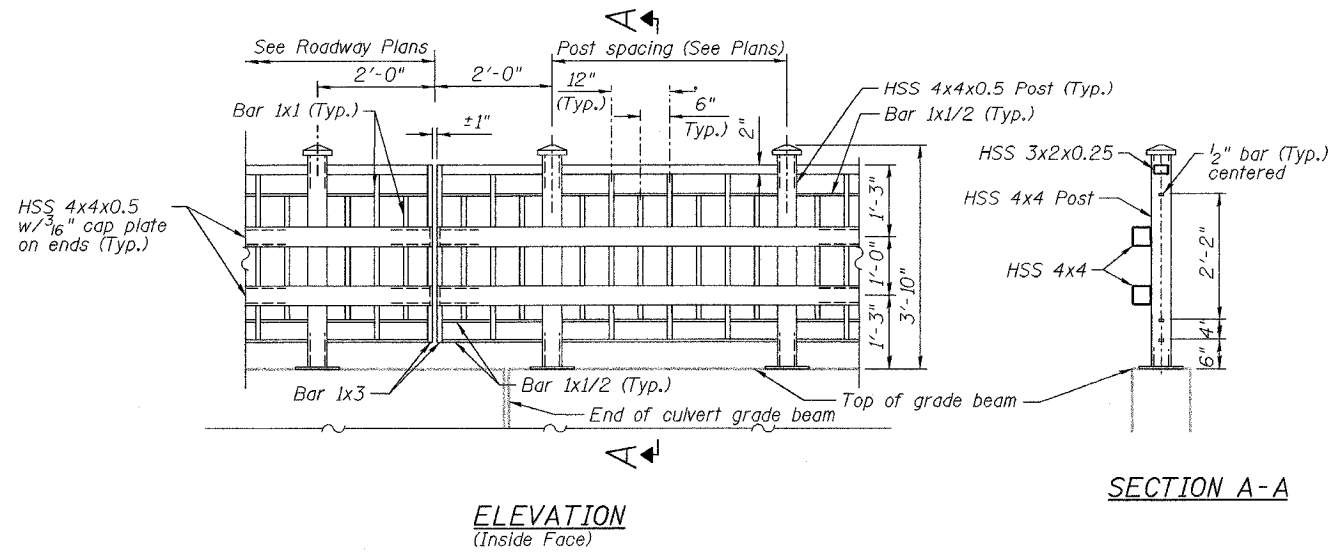
11-11-2004

NOTES:
1. Bars h₇ and d₁ are installed in weir wall in exterior cells only.
2. See sheet 4 for Bar Bend Details.
**STAGE II CONSTRUCTION
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DUPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 6 10 SHEETS
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	3/07	2/0	
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-		
CONTRACT No. 62295					

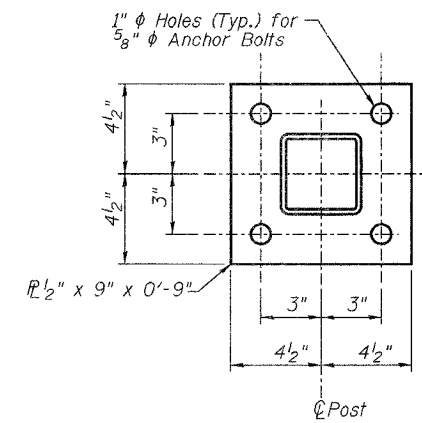
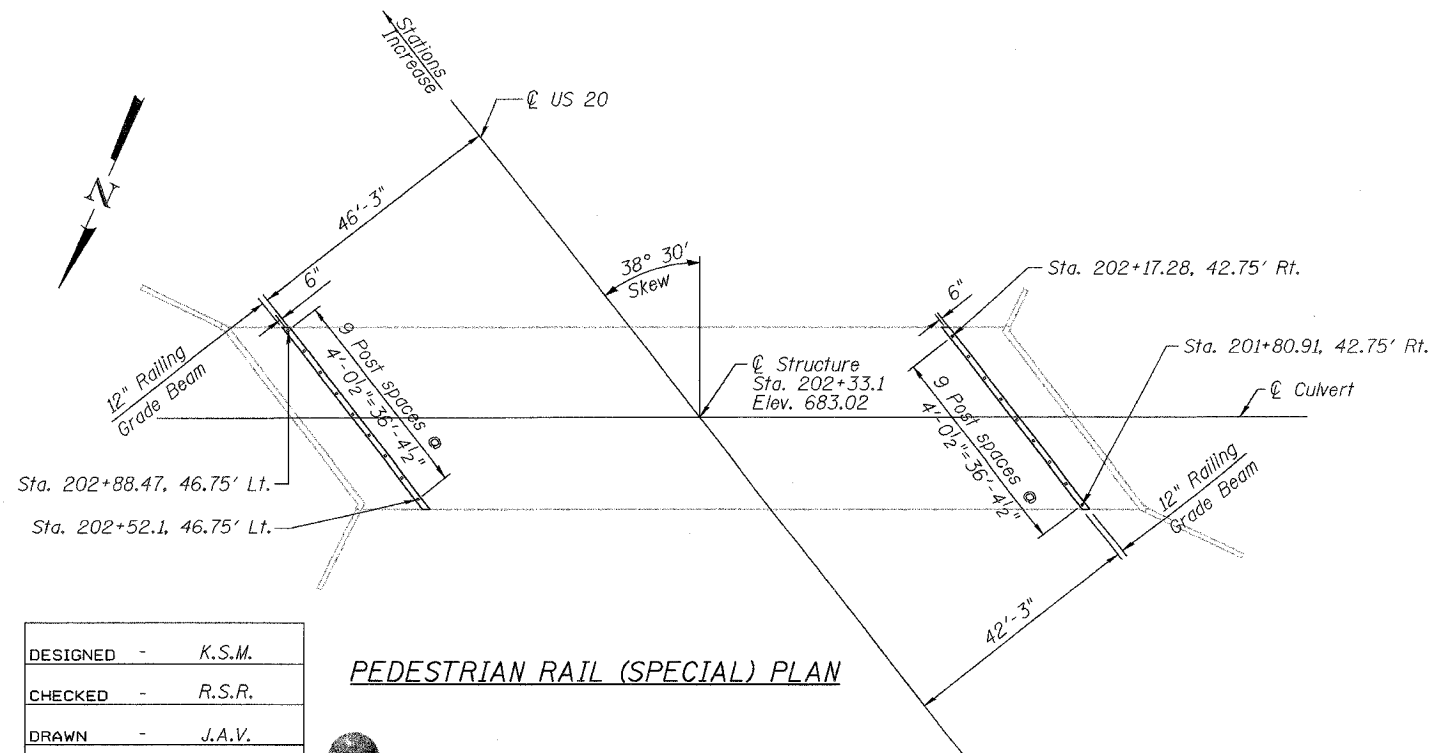


ANCHOR BOLT DETAILS

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

BILL OF MATERIAL

Item	Unit	Quantity
Pedestrian Rail (Special)	Foot	80.8

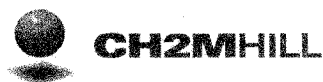


POST BASE PLATE

NOTES:

- All tubing shall conform to ASTM A500, Grade B.
- All plate and bars shall conform to AASHTO M270, Grade 36.
- All components shall be connected by continuous fillet welds using minimum welds per AISC welding code D1.1.
- Cap plates, minimum thickness 3/16", shall be installed on all open ends of tubes.
- If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with pre-measured amounts of the adhesive chemical.
- Space reinforcement to miss anchor rods.

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



PEDESTRIAN RAIL DETAILS
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

11-11-2004

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 7 10 SHEETS
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	397	291	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62295					

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

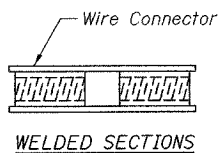
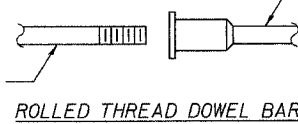
- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$
- ② Minimum *Pull-out Strength (Tension in kips) = $1.25 \times f_{s,allow} \times A_t$

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s,allow}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

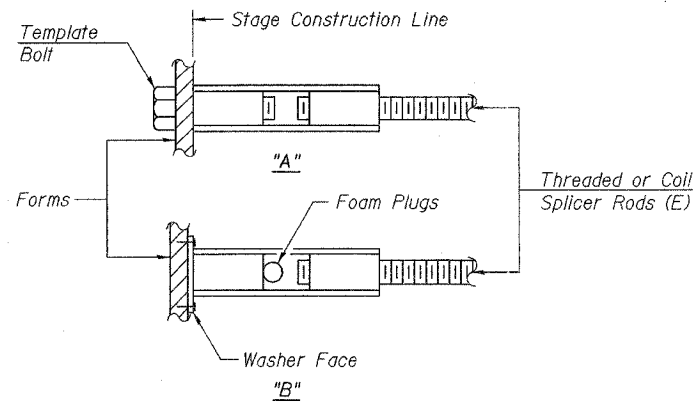
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

The diameter of this part is the same as the diameter of the bar spliced.



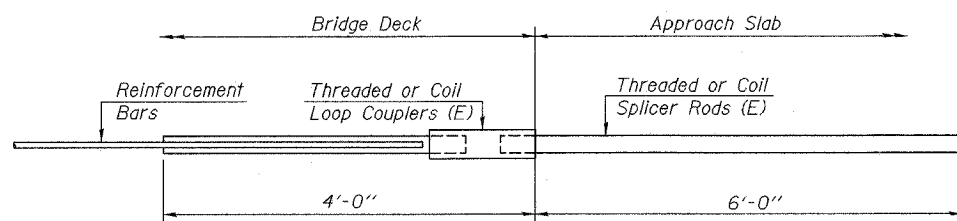
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



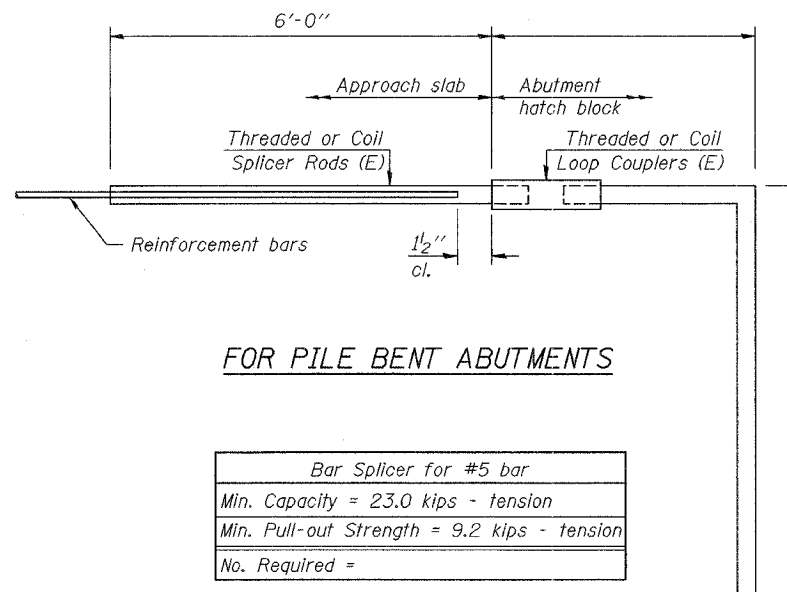
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



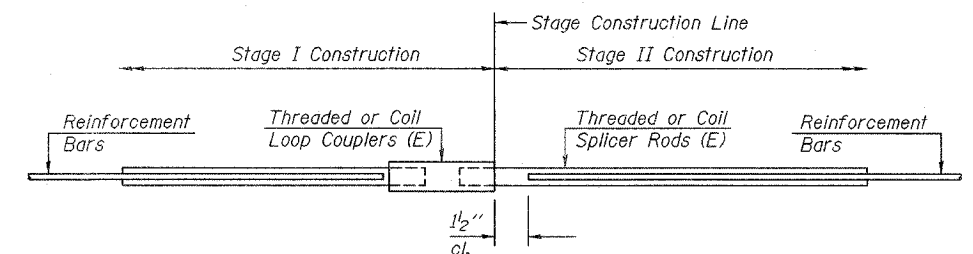
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	



FOR PILE BENT ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	



STANDARD

Bar Size	No. Assemblies Required	Location
#6	106	Top Slab
#6	106	Bottom Slab
#6	28	Walls

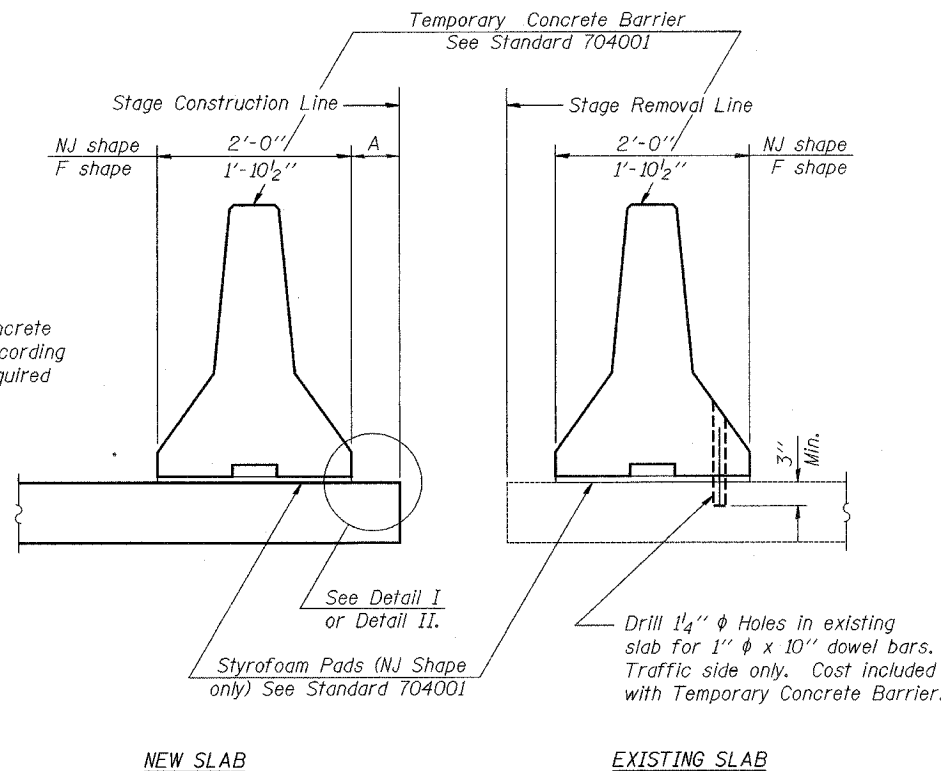
BAR SPLICER ASSEMBLY DETAILS
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

DESIGNED -	K.S.M.
CHECKED -	R.S.R.
DRAWN -	J.A.V.
CHECKED -	K.S.M.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 10 SHEETS
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	392	292	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT No. 62295		

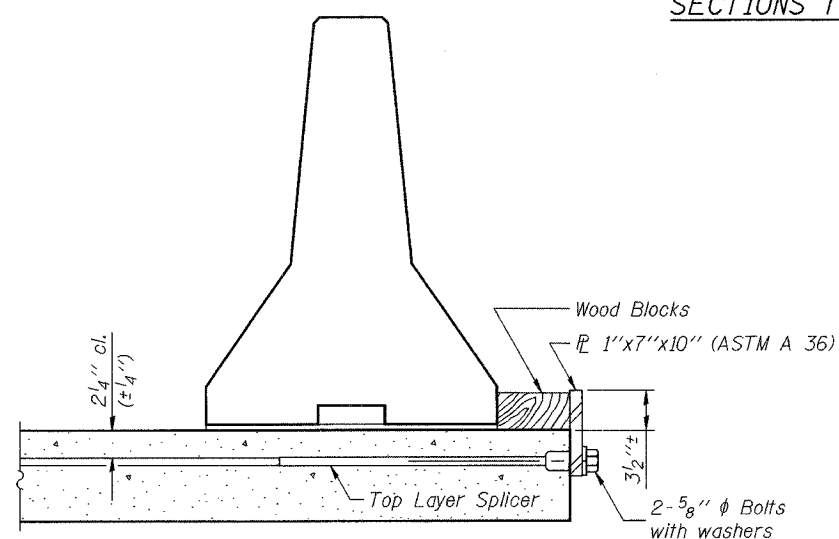


When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NEW SLAB

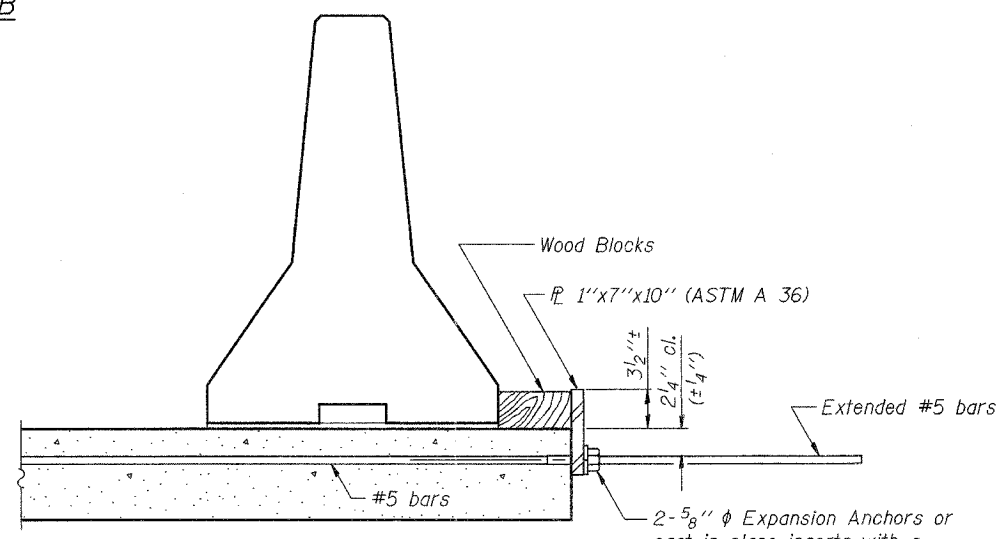
EXISTING SLAB

SECTIONS THRU SLAB



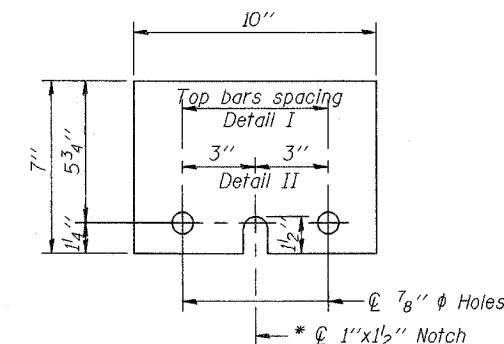
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



1" x 7" x 10"

* Required only with Detail II

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	392	293
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT No. 62295	

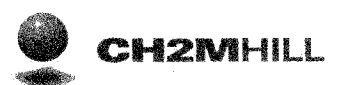
SHEET NO. 9
10 SHEETS

BLOOM CONSULTANTS, LLC.		SCHAUMBURG, ILLINOIS											
BORING LOG										JOB NO: BM3-1102 CLIENT: CH2M HILL		BORING NO: B-17	
PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20										STATION: 202+00		LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois	
BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers										OFFSET: 36.0' Rt		SURF ELEV: 679.5	
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %					
	0.0-1.0	678.6	FILL: Br Sand A-1-a		Auger			6					
	1.0-2.5			8	4	(2.5)		20					
	3.5-5.0			8	2	(1.5)		23					
	6.0-7.5		Probable FILL: Dark Gr to Gr Clay A-6	12	4-6			28					
10	8.5-10.0	669.5		14	1-2	1.4	15	18					
Hit Apparent Utility Line at 10.2' - Abandoned Boring to Prevent Damage to Utility													
NOTE: Attempted to drill boring at 11 separate locations--encountered apparent underground utility lines at allocations at depths from ~ 3' to 10.2' below existing grade.<<C>>													
REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate							
WATER	Dry FT. ELEV.	DURING DRILLING	☒ CORE SIZE	IN. DATE:	May 7, 03								
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben								
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana								

BLOOM CONSULTANTS, LLC.		SCHAUMBURG, ILLINOIS											
BORING LOG										JOB NO: BM3-1102 CLIENT: CH2M HILL		BORING NO: B-19	
PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20										STATION: 203+05		LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois	
BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers										OFFSET: 24.5' Lt		SURF ELEV: 681.1	
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %					
	0.0-1.0	680.8	FILL: Dark Organic Silty Clay A-7-6		Auger			8					
	1.0-2.5	680.3	FILL: Gr Sand A-1-a	5	3	(1.3)		14					
	3.5-5.0		Stiff Br Clay Loam A-6	2	3-1			11					
	6.0-7.5	675.3		10	1	(1.3)		22					
	8.5-10.0		Stiff Dark Gr to Br Clay A-6	13	2-3			17					
10	11.0-12.5			16	2	1.3	15	23					
	13.5-15.0		Very Stiff to Stiff Gr Clay A-6	6	2			18					
	16.0-17.5	665.4		10	3	1.4	15	10					
20	18.5-20.0	662.7	Medium Dense Gr Sand A-1-b	8	4-4			14					
	21.0-22.5		- Coarse Gravel noted @ 21.2'	6	4-5	(1.8)		18					
	23.5-25.0		Stiff to Very Stiff Gr Clay Loam A-6	8	25	(2.0)		12					
	26.0-27.5	655.2		5	6-8	(2.0)		12					
30	28.5-30.0		Medium Dense Gr Sand A-1-b	3	11-16			15					
	33.5-35.0	647.7		8	9			16					
	38.5-40.0	642.8	Stiff Gr Clay A-6	4	13-13			16					
		641.1	Medium Dense Gr Sand A-1-b	4	3	1.1	15	16					
Boring terminated at 40'													
REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate							
WATER	18.5 FT. ELEV.	662.6	DURING DRILLING	☒ CORE SIZE	IN. DATE:	May 6, 03							
WATER	FT. ELEV.		AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben							
WATER	Caved @ 14 FT. ELEV.	667.1	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana							

SOIL BORING LOGS
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



11-11-2004

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

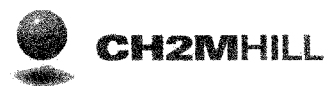
ROUTE NO.	SECTION	COUNTY	JOB NO.	SHEET NO.
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	397	294
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT No. 62295				

SHEET NO. 10
10 SHEETS

DEPTH		SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %
	0.0-1.0		680.5	10" Bituminous Concrete		Auger			13
	1.0-2.5		678.8	10" P.C. Concrete FILL: Br Clay A-6	12	4 4-9	(4.0)		16
	3.5-5.0		676.3	Very Stiff Dark Gr Clay A-6; Organic matter noted	10	2 2-3	(2.2)		23
	6.0-7.5				13	2 1-2	0.7	15	23
10	8.5-10.0			Medium Stiff to Stiff Dark Gr to Gr Clay A-6	18	2 2-3	1.5	15	20
	11.0-12.5		668.9		14	2 3-3	1.7	15	23
	13.5-15.0		666.4	Medium Dense Br Silt A-4	18	5 6-5			19
	16.0-17.5		663.8	Stiff Gr Clay A-6	16	2 3-6	1.5	15	18
20	18.5-20.0				14	4 5-3	(1.8)		14
	21.0-22.5			Stiff to Very Stiff Gr Clay Loam A-6	16	3 4-5	1.6	15	14
	23.5-25.0		656.5		1	6 4-7	(2.8)		16
	26.0-27.5				14	4 5-13	1.7	15	11
30	28.5-30.0			Stiff Gr Clay Loam A-4	16	3 7-11	1.4	15	11
	33.5-35.0		648.9		18	5 6-11	3.2	15	16.3
	38.5-40.0			- Cobble noted @ 38.7' Very Stiff Gr Clay A-6	0	12 15-19			
	43.5-45.0				6	5 11-12	(3.0)		17
50	48.5-50.0		633.9	Loose Gr Sand A-1-b	16	4 1-5			18
REMARKS Automatic Hammer Used.					1) Denotes Calibrated Penetrometer Estimate				
WATER		16 FT. ELEV.	666.2	DURING DRILLING	∇	CORE SIZE	IN.	DATE:	Apr 23, 03
WATER		FT. ELEV.		AT COMPLETION	∇	CASING LENGTH	FT.	DRILLER:	Lubben
WATER		Caved@22 FT. ELEV.	660.2	AFTER 1/4 HRS.	∇	CASING DIAMETER	IN.	INSPECTOR:	Allemana

DEPTH		SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %
	53.5-55.0		627.2	Loose Gr Sand A-1-b	12	4 3-3			10
Boring terminated at 55'									
REMARKS Automatic Hammer Used.					1) Denotes Calibrated Penetrometer Estimate				
WATER		16 FT. ELEV.	666.2	DURING DRILLING	∇	CORE SIZE	IN.	DATE:	Apr 23, 03
WATER		FT. ELEV.		AT COMPLETION	∇	CASING LENGTH	FT.	DRILLER:	Lubben
WATER		Caved@22 FT. ELEV.	660.2	AFTER 1/4 HRS.	∇	CASING DIAMETER	IN.	INSPECTOR:	Allemana

DESIGNED	-	K.S.M.
CHECKED	-	R.S.R.
DRAWN	-	J.A.V.
CHECKED	-	K.S.M.



11-11-2004

SOIL BORING LOGS
US ROUTE 20 (LAKE STREET)
OVER WESTWOOD CREEK
F.A.U. Rt. 3537 SEC 5Y-R-4
DuPAGE COUNTY
STATION 202+33.1
STRUCTURE NO. 022-0175

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.	SHEET NO. 1 2 SHEETS
F.A.U. Rt. 3537	5Y-R-4	DUPAGE	392	295	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT No. 62295					

NOTES:

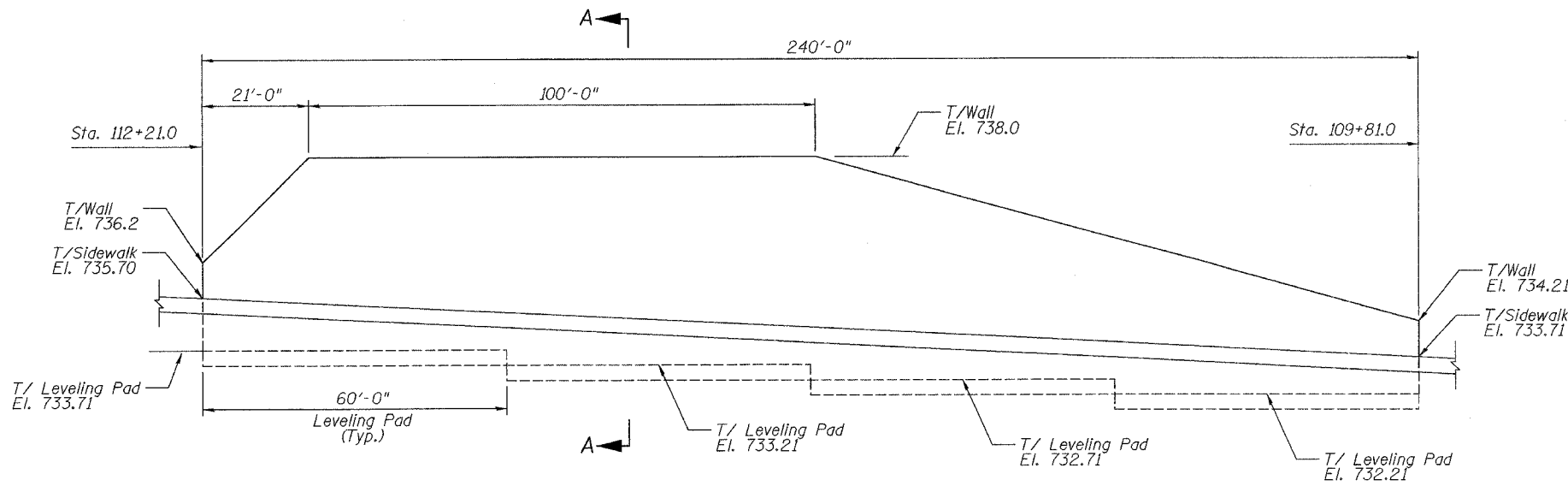
- Section A-A through wall is pictorial only and is not intended to convey or imply any particular block or design.
- Wall shall be designed for a traffic surcharge of 250 psf in addition to all other required loads.

BILL OF MATERIAL

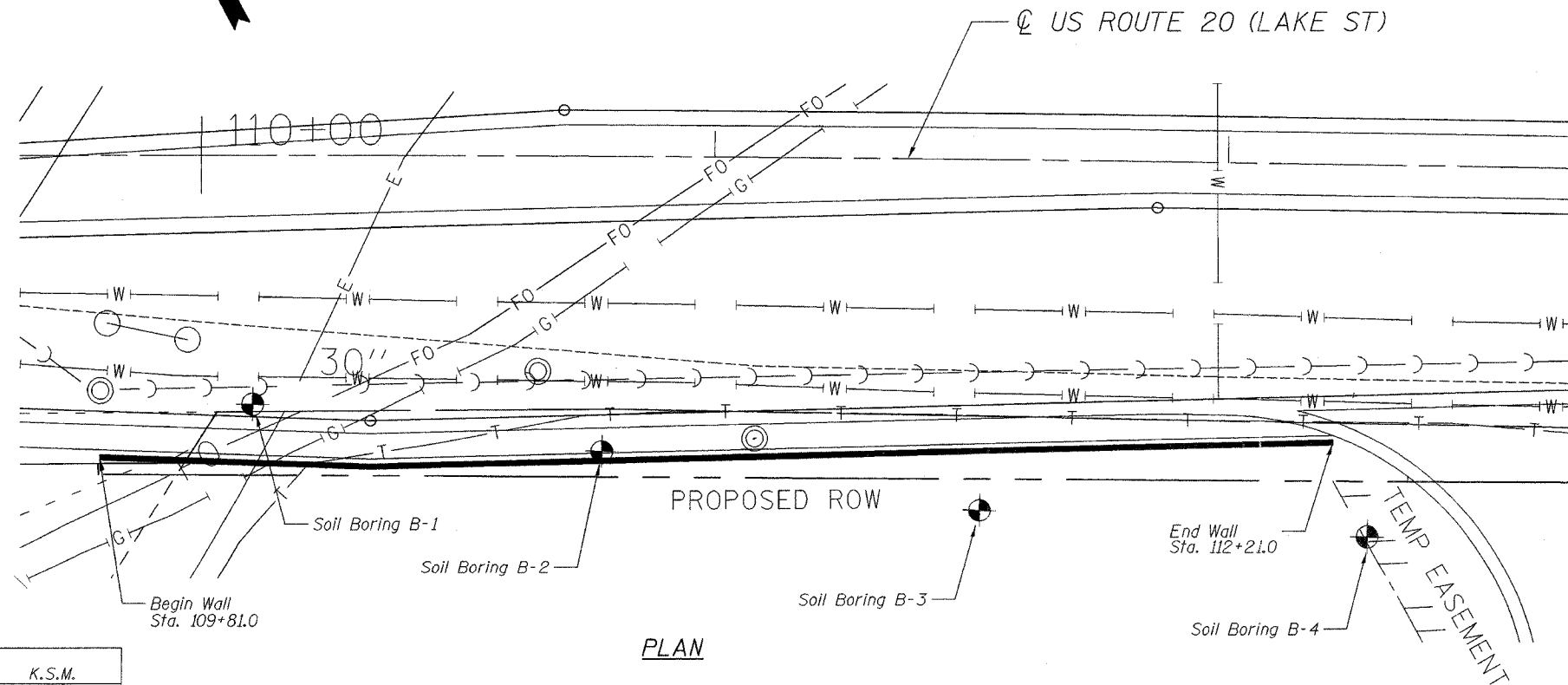
Item	Unit	Quantity
Segmental Concrete Block Wall	Sq Ft	1004

HORIZONTAL ALIGNMENT TABLE

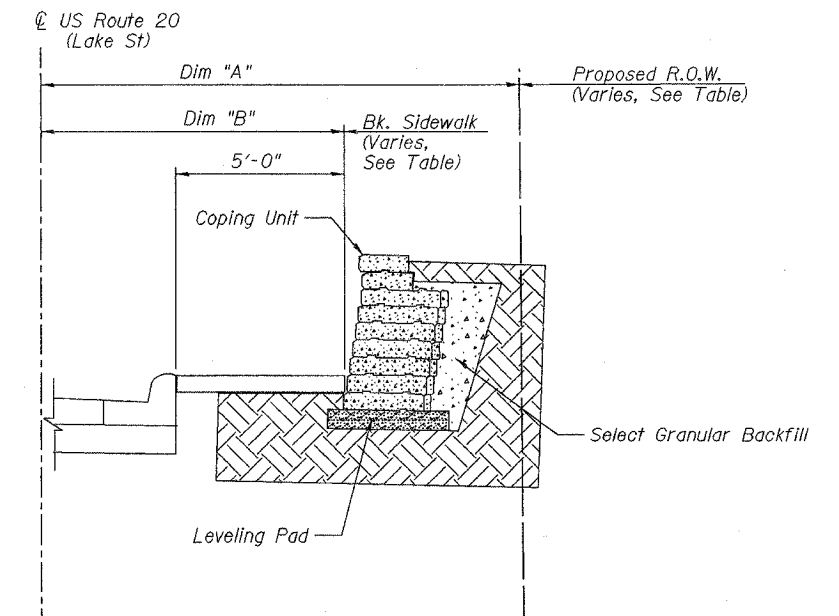
Station	Dim "A"	Dim "B"
109+81	62.0'	56.77'
110+33.01	62.03'	58.71'
112+21.0	62.33'	51.70'



ELEVATION
(Looking South)



PLAN



SECTION A-A

RETAINING WALL 1
US ROUTE 20 (LAKE ST)
F.A.U. RT. 3537 SEC 5Y-R-4
DU PAGE COUNTY
STATION 109+81.00 TO STATION 112+21.00

DESIGNED	-	K.S.M.
CHECKED	-	E.H.W.
DRAWN	-	A.L.S.
CHECKED	-	K.S.M.



4-11-2003

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	5Y-R-4	DUPAGE	377	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62295				

BLOOM CONSULTANTS, LLC. SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: BM3-102 CLIENT: CH2M HILL BORING NO: B-4
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 112+28
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 72.0' Rt
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 736.3

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAN %	WATER CONTENT %
0.0-1.0		735.5	4" Bituminous Concrete 6" Sand & Gravel Base		Auger			12
1.0-2.5			FILL: Br Clay Loam A-6	13	4 5-4	3.1	15	14
		732.9						
3.5-5.0			Very Stiff to Hard Br Clay A-6	14	3 4-6	2.9	15	23
6.0-7.5				16	5 7-9	4.6	15	17
		728.0						
8.5-10.0			Very Stiff Gr Clay Loam A-6	13	4 5-7	2.6	15	13
11.0-12.5				18	3 5-7	2.4	15	15
13.5-15.0		721.3		18	3 4-7	2.1	15	15

Boring terminated at 15'

REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate

WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	Apr 22, 03
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana

BLOOM CONSULTANTS, LLC. SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: BM3-102 CLIENT: CH2M HILL BORING NO: B-5
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 115+25
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 79.0' Rt
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 736.8

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAN %	WATER CONTENT %
0.0-1.0		736.0	3" Bituminous Concrete 6" Sand & Gravel Base		Auger			5
1.0-2.5			FILL: Dark Br Clay A-6	14	3 5-8	2.6	15	18
		733.4						
3.5-5.0			Very Stiff to Stiff Br Clay A-6	12	5 5-7	3.3	15	22
6.0-7.5					14	6 5-6	2.7	15
8.5-10.0			Hard to Very Stiff Gr Clay A-6	15	3 4-6	1.8	15	20
		725.6						
11.0-12.5				18	6 8-10	4.3	15	18
13.5-15.0		721.8		17	4 5-8	3.0	15	18

Boring terminated at 15'

REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate

WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	Apr 21, 03
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana

BLOOM CONSULTANTS, LLC. SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: BM3-102 CLIENT: CH2M HILL BORING NO: B-6
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 116+00
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 81.0' Rt
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 734.6

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6'	q _u tsf	STRAN %	WATER CONTENT %
0.0-1.0		733.7	4" Bituminous Concrete 7" P.C. Concrete		Auger			9
1.0-2.5			Very Stiff to Stiff Br Clay A-6	12	3 4-7	2.2	15	17
3.5-5.0					13	3 2-5	1.8	15
		728.7						
6.0-7.5			Medium Stiff Br Silty Clay Loam A-6	16	1 2-2	0.7	15	24
		726.2						
8.5-10.0		724.6	Very Stiff Gr Clay A-6	14	2 2-3	2.1	15	19

Boring terminated at 10'

REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate

WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	May 6, 03
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

US ROUTE 20 (LAKE STREET)

DRAWN BY: BLOOM

DATE: 03/01/05

CHECKED BY:

BLOOM CONSULTANTS, LLC. **BORING LOG** SCHAUMBURG, ILLINOIS
 JOB NO: BM3-1102 CLIENT: CH2M HILL BORING NO: B-7
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 116+70
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 79.5' Rt
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 735.0

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. IN.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %
0.0-1.0		734.1	4" Bituminous Concrete 7" P.C. Concrete		Auger			7
1.0-2.5		732.0	Very Stiff Br Clay Loom A-6	8	8 5-5	2.2	15	13
3.5-5.0		729.2	Stiff Br & Gr Clay A-7-6	12	2 2-4	1.6	15	27
6.0-7.5			Medium Stiff to Stiff Br Clay A-6	14	2 1-3	0.8	15	17
8.5-10.0		725.0		10	2 2-3	(1.3)		28

Boring terminated at 10'

REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate			
WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	May 6, 03		
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben		
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemano		

BLOOM CONSULTANTS, LLC. **BORING LOG** SCHAUMBURG, ILLINOIS
 JOB NO: BM3-1102 CLIENT: CH2M HILL BORING NO: B-8
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 117+42
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 79.5' Rt
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 734.5

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. IN.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %
0.0-1.0		733.6	4" Bituminous Concrete 7" P.C. Concrete		Auger			7
1.0-2.5		731.1	Possible FILL: Br Sand A-1-b	10	5 3-2			13
3.5-5.0		728.7	Possible FILL: Br Clay A-6	3	2 1-1	(1.8)		18
6.0-7.5			Possible FILL: Br Sand A-1-a	6	2 1-2			8
8.5-10.0		724.5		8	2 2-3			10

Boring terminated at 10'

REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate			
WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	May 6, 03		
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben		
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemano		

BLOOM CONSULTANTS, LLC. **BORING LOG** SCHAUMBURG, ILLINOIS
 JOB NO: BM3-1102 CLIENT: CH2M HILL BORING NO: B-10
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 121+84
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 69.0' Rt
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 732.9

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. IN.	BLOWS/6'	q _u tsf	STRAIN %	WATER CONTENT %
0.0-1.0		731.4	3.5" Bituminous Concrete 8" P.C. Concrete 6" Sand & Gravel Base		Auger			14
1.0-2.5			Stiff to Very Stiff Br Clay A-6	16	3 2-5	1.7	15	20
3.5-5.0		727.0	Stiff to Very Stiff Br Clay A-6	14	2 4-4	2.3	15	20
6.0-7.5			Stiff to Very Stiff Br Clay A-6	18	3 2-5	1.4	15	15
8.5-10.0		722.9		18	3 5-8	2.8	15	22

Boring terminated at 10'

REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate			
WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	May 7, 03		
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben		
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemano		

NOTE:
There is no boring hole number B-9.

REVISIONS	
NAME	DATE

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BLOOM CONSULTANTS, LLC. **BORING LOG** SCHAUMBURG, ILLINOIS
 JOB NO: BM3-102 CLIENT: CH2M HILL BORING NO: B-11
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 122+64
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 68.5' RT
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 732.8

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6"	q _u tsf	STRAIN %	WATER CONTENT %
0.0-1.0		734.4	4" Bituminous Concrete 7.5" P.C. Concrete 5" Sand & Gravel Base		Auger			8
1.0-2.5				14	3 3-5	15	15	24
3.5-5.0		727.3	Stiff Br Clay A-6	15	2 2-3	16	15	26
6.0-7.5				18	2 4-5	12	15	14
8.5-10.0		722.8	Stiff to Very Stiff Br to Gr Clay Loam A-6	18	4 5-10	3.3	15	20

Boring terminated at 10'

REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate

WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	May 7, 03
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana

BLOOM CONSULTANTS, LLC. **BORING LOG** SCHAUMBURG, ILLINOIS
 JOB NO: BM3-102 CLIENT: CH2M HILL BORING NO: B-12
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 123+22
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 69.0' RT
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 729.4

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6"	q _u tsf	STRAIN %	WATER CONTENT %
0.0-1.0		728.0	4" Bituminous Concrete 8" P.C. Concrete 5" Sand & Gravel Base		Auger			9
1.0-2.5				10	2 3-6	15	15	23
3.5-5.0		723.6	Stiff to Very Stiff Br Clay A-6	15	4 5-8	2.7	15	19
6.0-7.5				16	4 6-10	4.0	15	22
8.5-10.0		719.4	Hard Br Clay A-6	18	4 8-15	5.0	15	18

Boring terminated at 10'<<<>>

REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate

WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	May 7, 03
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana

BLOOM CONSULTANTS, LLC. **BORING LOG** SCHAUMBURG, ILLINOIS
 JOB NO: BM3-102 CLIENT: CH2M HILL BORING NO: B-13
 PROJECT: New Box Culverts and Retaining Walls - U.S. Route 20 STATION: 132+63
 LOCATION: Rohlwing Road to Addison Road - Du Page County, Illinois OFFSET: 32.3' RT
 BORING RIG & METHOD: Diedrich D-120 w/Hollow Stem Augers SURF ELEV: 717.8

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. In.	BLOWS/6"	q _u tsf	STRAIN %	WATER CONTENT %
0.0-1.0		716.4	3" Bituminous Concrete 8" P.C. Concrete		Auger			3
1.0-2.5		714.4	6" Sand & Gravel Base ELL: Br Sand A-1-a	14	3 3-3			4
3.5-5.0		711.9	Medium Stiff Dark Gr Silty Clay A-7-6	12	2 2-4	1.3	15	27
6.0-7.5		709.5	Stiff Br Clay A-7-6	13	3 2-3	2.0	15	25
8.5-10.0				14	3 5-9	4.0	15	19
11.0-12.5		704.4	Hard to Very Stiff Gr Clay A-6	12	3 5-6	2.4	15	18
13.5-15.0				12	4 5-10	4.2	15	16
16.0-17.5		699.5	Hard Gr Clay A-6	14	4 7-10	4.4	15	16
18.5-20.0				16	4 4-7	1.8	15	15
21.0-22.5		694.8	Stiff Gr Clay Loam A-6	18	4 3-6	1.7	15	13
23.5-25.0				18	4 4-5	2.6	15	21
26.0-27.5				18	2 5-6	2.3	15	22
28.5-30.0				18	3 5-7	2.7	15	21
33.5-35.0			Very Stiff Gr Clay A-6	18	4 5-9	2.6	15	19
38.5-40.0		677.8		18	4 5-9	2.4	15	21

Boring terminated at 40'

REMARKS Automatic Hammer Used.) Denotes Calibrated Penetrometer Estimate

WATER	Dry FT. ELEV.	DURING DRILLING	☑ CORE SIZE	IN. DATE:	Apr 21, 03
WATER	Dry FT. ELEV.	AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Lubben
WATER	Dry FT. ELEV.	AFTER 1/4 HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	Allemana

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

US ROUTE 20 (LAKE STREET)

DATE: 03/01/05
 DRAWN BY: BLOOM
 CHECKED BY: