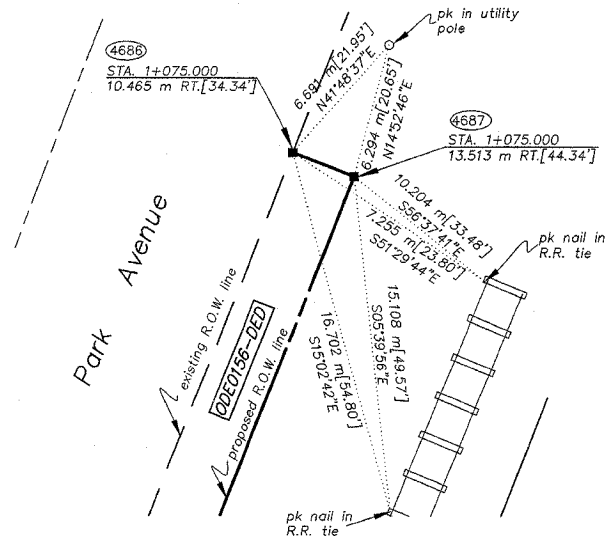
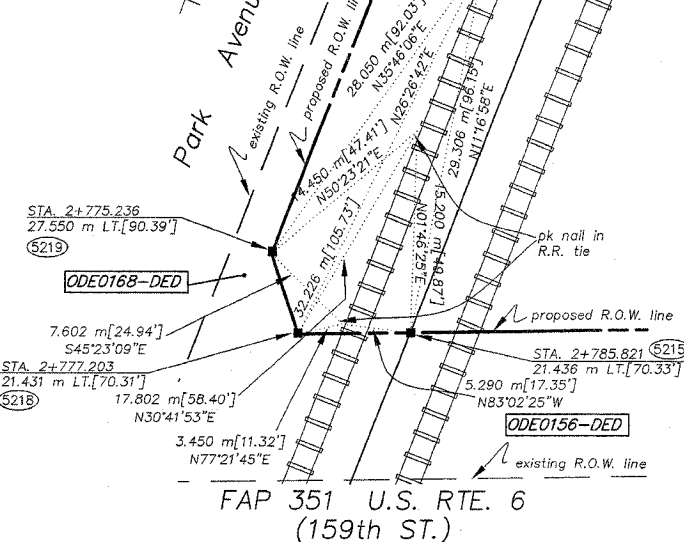


STA. 1+075.000/10.465 m RT.
N.548072.313
E.357163.575

STA. 1+075.000/13.513 m RT.
N.548071.217
E.357166.419

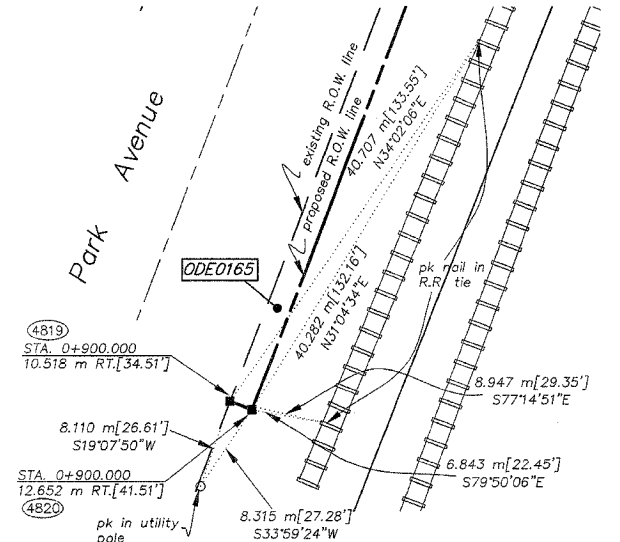


STA. 2+772.732/21.428 m LT.
N.548027.330
E.357153.559



STA. 0+900.000/10.518 m RT.
N.547909.003
E.357100.689

STA. 0+900.000/12.652 m RT.
N.547908.235
E.357102.680



LEGEND

SECTION CORNER 16 5
QUARTER SECTION CORNER

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

APL APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION IN FEET
129.32' or [129.32']
129.32'(COMP)
39.417 m
MEASURED DIMENSION IN METERS
RECORD DATA

EXISTING BUILDING

○ IRON PIPE OR ROD FOUND
+ CUT CROSS FOUND OR SET
REPLACED AFTER CONSTRUCTION

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3

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

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

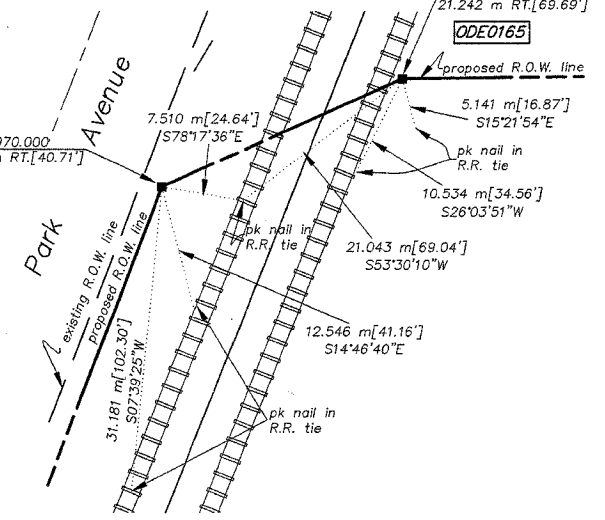
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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

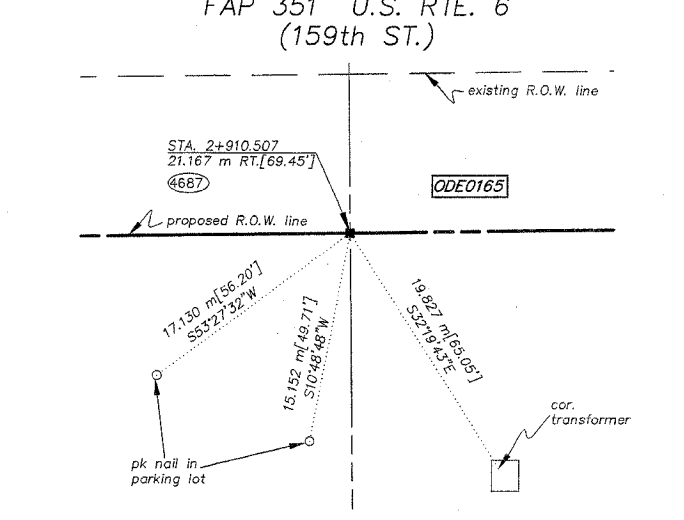
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STA. 0+970.000/12.408 m RT.
N.547973.639
E.357127.627

STA. 2+775.000/21.242 m RT.
N.547984.632
E.357151.897

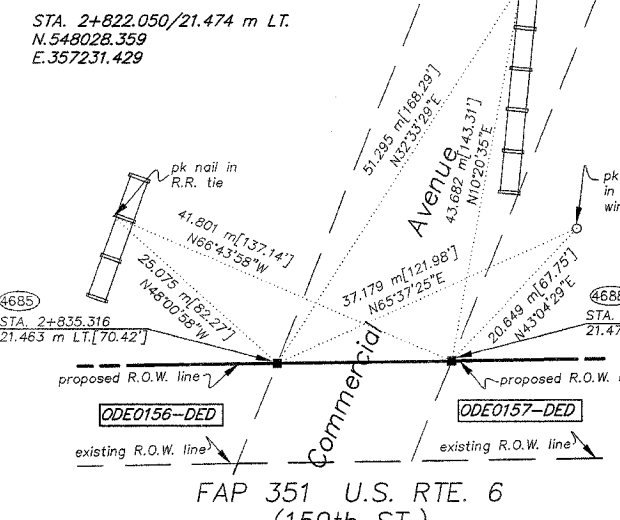


STA. 2+910.507/21.167 m RT.
N.548071.217
E.357166.419

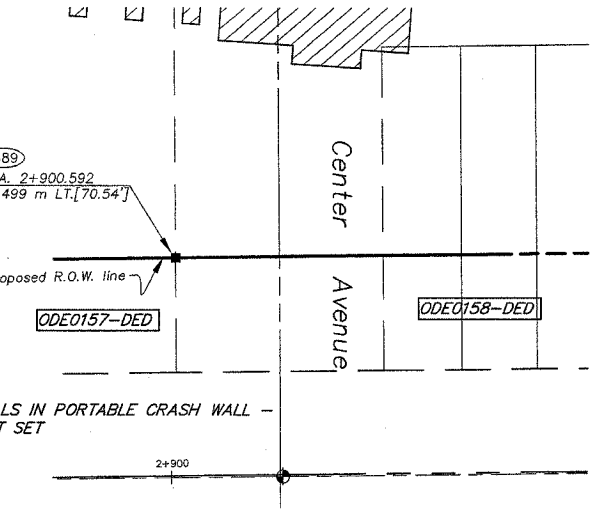


STA. 2+835.316/21.463 m LT.
N.548028.098
E.357211.667

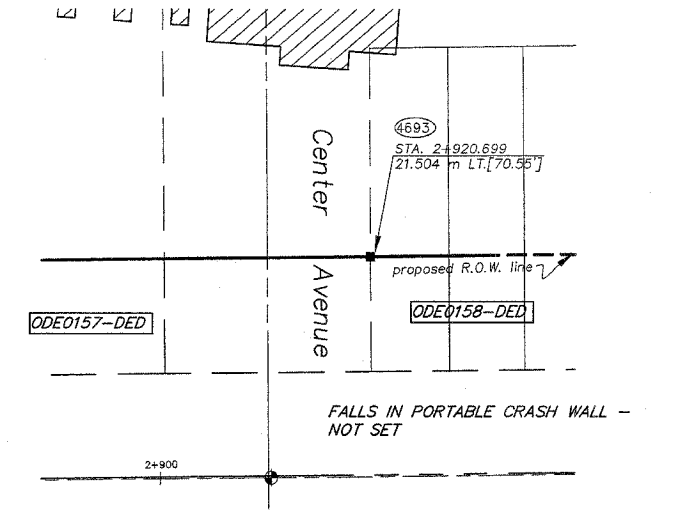
STA. 2+822.050/21.474 m LT.
N.548028.359
E.357231.429



STA. 2+900.592 m/21.499 m LT.
N.548028.961
E.357276.938

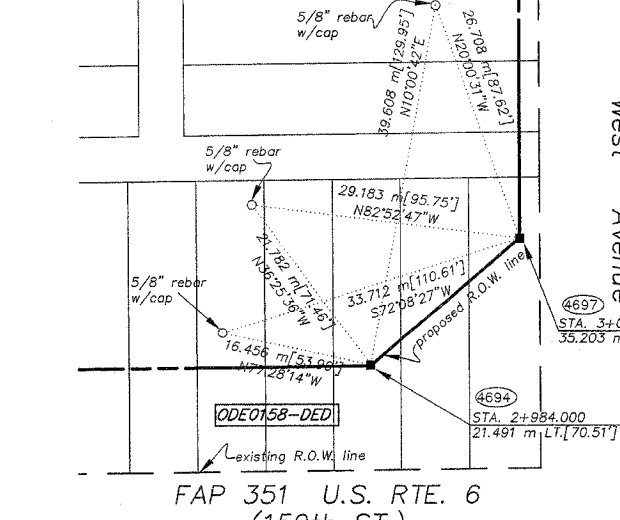


STA. 2+920.699/21.504 m LT.
N.548029.214
E.357297.053



STA. 2+984.000/21.491 m LT.
N.548029.972
E.357360.350

STA. 3+000.192/35.203 m LT.
N.548043.881
E.357376.374



STATE OF ILLINOIS } SS
COUNTY OF WILL }

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL LAND SURVEYOR CORPORATION, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST, AND SECTION 17, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF ITS KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR
TO ENSURE AUTHENTICITY OF THIS DRAWING, IT MUST BEAR THE EMBOSSED SEAL OF THE CORPORATION OR PROFESSIONAL LICENSEE WHO PREPARED THIS DRAWING.

RECEIVED
OCT 06 2006
PLATS & LEGALS

METRIC PROJECT COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY 0.999988.

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
2174 ONDIA STREET SUITE 1100 JOLIET, ILLINOIS 60438
PH. (815) 744-6600 FAX (815) 744-0101
2603 SOUTH WASHINGTON STREET SUITE 170 MARIETTA, ILLINOIS 60066
PH. (630) 420-7740 FAX (630) 420-7741

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 351 U.S. RTE. 6 (159th ST.)

SECTION _____ COOK COUNTY
PROJECT _____ JOB NO. R90-011-99
STATION _____ TO STATION _____
SCALE: N/A SHEET B21 OF B23

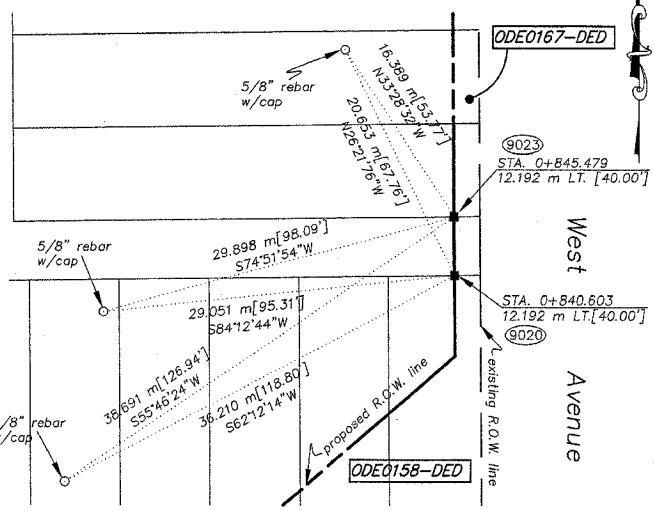
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.
SEE SHEETS 16-23 FOR COORDINATE DATA & REFERENCE TIES.

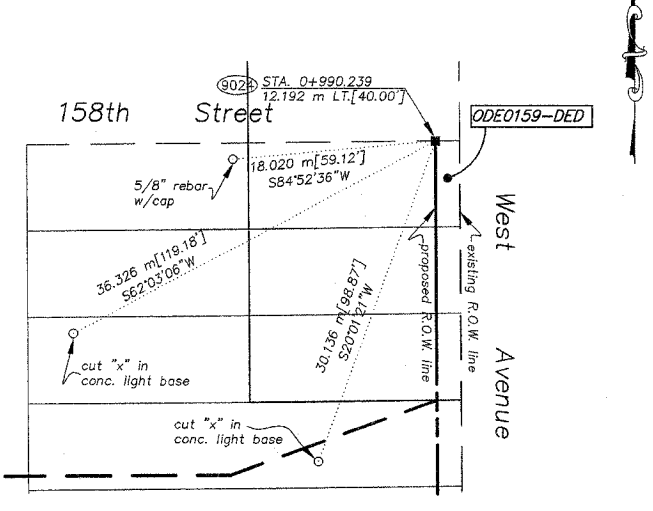
REVISION DATE	5-11-06	REVISION	REVISE COORDINATES	MADE BY	TLW
---------------	---------	----------	--------------------	---------	-----

STA. 0+845.479/12.192 m LT.
N.548055.304
E.357376.277

STA. 0+840.603/12.192 m LT.
N.548050.427
E.357376.318

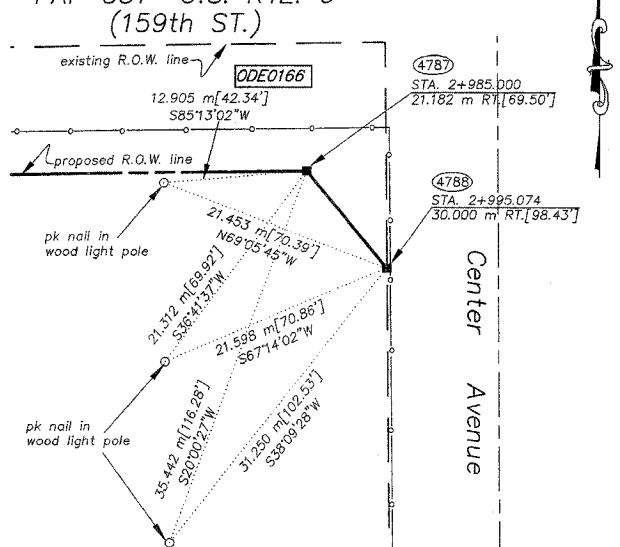


STA. 0+990.239/12.192 m LT.
N.548200.057
E.357375.043

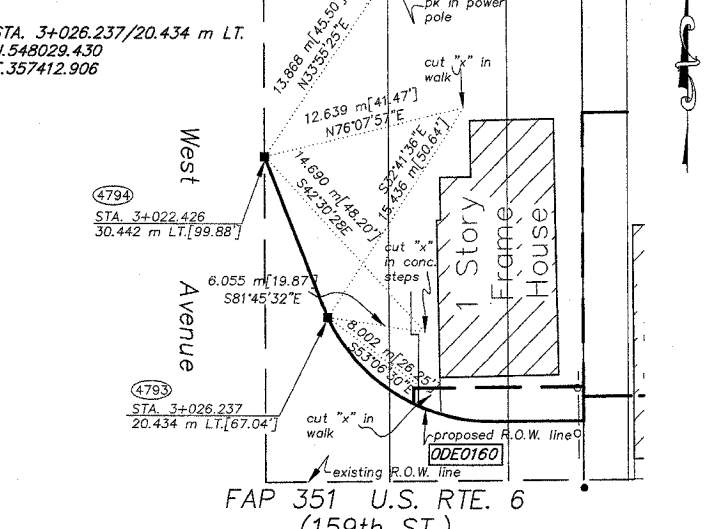


STA. 2+985.000/21.182 m RT.
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E.357361.869

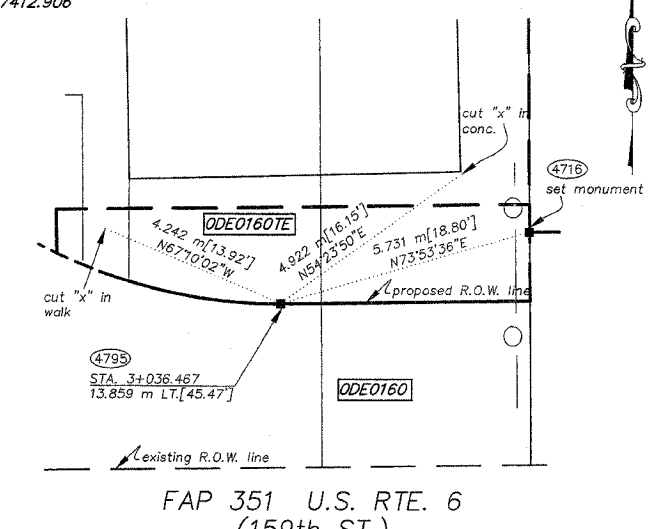
STA. 2+995.074/30.000 m RT.
N.547978.584
E.357369.050



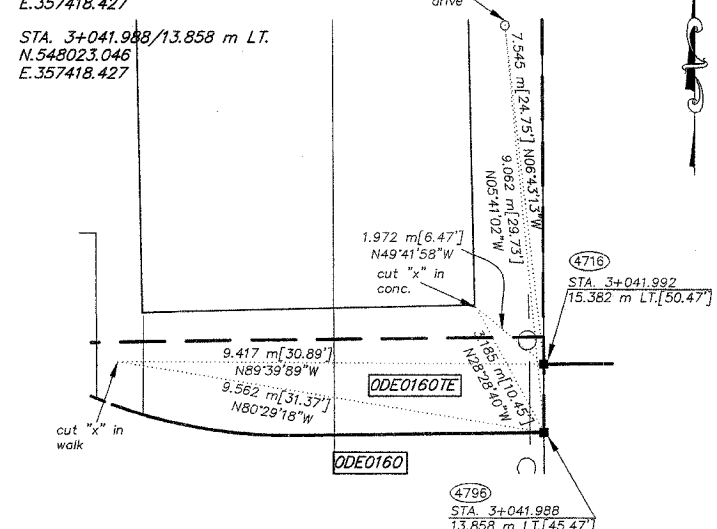
STA. 3+022.426/30.442 m LT.
N.548039.391
E.357398.664



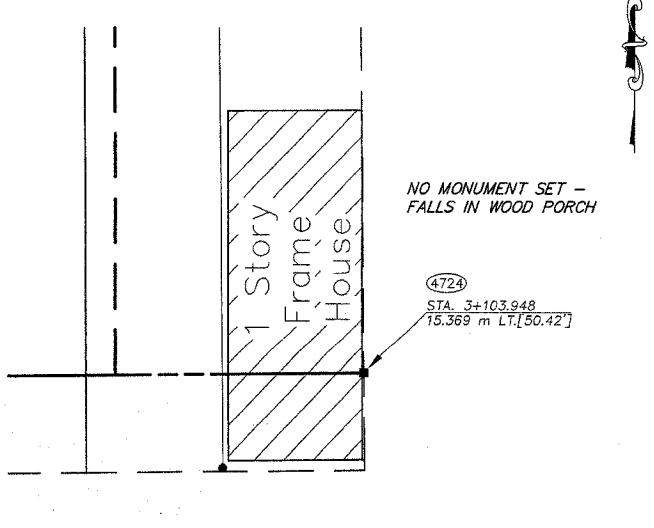
STA. 3+036.467/13.859 m LT.
N.548022.980
E.357412.906



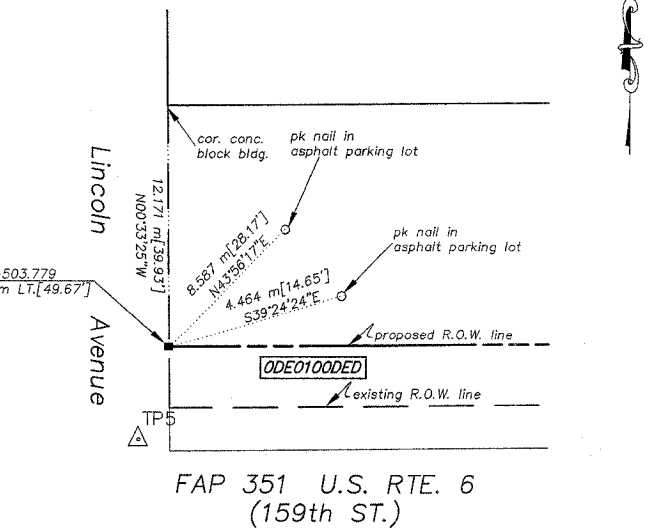
STA. 3+041.992/15.382 m LT.
N.548024.570
E.357418.427



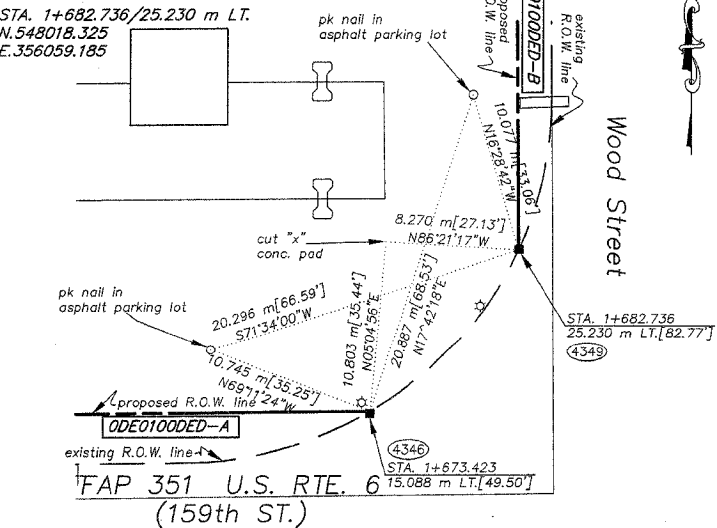
STA. 3+103.948/15.369 m LT.
N.548025.312
E.357480.364



STA. 1+503.779/15.140 m LT.
N.548006.427
E.355880.339



STA. 1+673.423/15.088 m LT.
N.548008.090
E.356049.974



TOTAL SHEETS 579
SHEET NO. 101

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' or [129.32']
- 129.32'(COMP)
- 39.417 m
- ()
- 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 TIE 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 WILL }

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL LAND SURVEYOR CORPORATION, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST, AND SECTION 17, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF ITS KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR
TO ENSURE AUTHORITY OF THIS DRAWING, IT MUST BEAR THE EMBOSSED SEAL OF THE CORPORATION OR PROFESSIONAL LICENSEE WHO PREPARED THIS DRAWING.

RECEIVED
OCT 06 2006
PLATS & LEGALS
METRIC PROJECT COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY 0.999988.

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
2714 CHICAGO STREET, SUITE 1100, JOLIET, ILLINOIS 60438
PH. (815) 744-8800 FAX (815) 744-0101 2803 SOUTH WASHINGTON STREET, SUITE 170, BARRINGTON, ILLINOIS 60015
PH. (630) 420-7743 FAX (630) 420-7741

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 351 U.S. RTE. 6 (159th ST.)
SECTION COOK COUNTY
PROJECT JOB NO. R90-011-99
STATION TO STATION
SCALE: N/A SHEET B22 OF B23

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

BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.
SEE SHEETS 16-23 FOR COORDINATE DATA & REFERENCE TIES.

REVISION DATE	REVISION	MADE BY

PART OF THE NE 1/4 SECTION 20, T36N, R14E OF THE 3rd PM, THORNTON TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING		REMAINDER	PREV. EASEMENT		EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
		HA - [AC]	HA - [AC]		HA - [AC]	HA - [AC]			
ODE3200TE	CITY OF HARVEY	3.0895	[7.634]		0.0075	[0.019]	CONSTRUCTION	29-20-200-018	
ODE0201	NEW CHRISTIAN VALLEY HOUSING MINISTRY, INC.	3.2784	[8.101]	0.1851 [0.457]	3.0933	[7.644]		29-20-200-017	
ODE3201TE	CITY OF HARVEY	3.0933	[7.644]		0.0138	[0.034]	CONSTRUCTION	29-20-200-017	

COORDINATE VALUE
METRIC PROJECT COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY 0.999988, PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE				
DATA POINT NO.	STATION	OFFSET	-N- COORDINATES	-E-
1600	0+853.108	8.868 m R	547,861.7894	357,390.6434
1601	0+853.307	13.864 m R	547,861.8399	357,395.6431
1500	0+868.191	8.205 m R	547,876.8065	357,390.4918
1501	0+868.297	10.526 m R	547,876.8217	357,392.8149
1602	0+868.419	13.200 m R	547,876.8392	357,395.4917
1502	0+889.878	9.407 m R	547,898.3943	357,392.5971
1503	0+890.123	14.088 m R	547,898.4416	357,397.2841
1504	3+019.505	26.489 m R	547,982.4295	357,396.4363
1505	3+035.000	15.249 m R	547,993.8570	357,411.7942
1604	3+105.700	21.263 m R	547,988.7035	357,482.5622
1603	3+105.702	15.263 m R	547,994.7030	357,482.4904
1605	3+128.700	21.268 m R	547,988.9787	357,505.5606
1606	3+128.702	15.268 m R	547,994.9783	357,505.4888
1506	3+174.111	15.277 m R	547,995.5217	357,550.8945

LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER 15

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

APL APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE

123.456m [1.23]
123.45 (COMP) [0.00]
MEASURED DIMENSION METRIC WITH IMPERIAL RECORD DATA
COMPUTED DIMENSION METRIC WITH IMPERIAL RECORD DATA

EXISTING BUILDING

● IRON PIPE OR ROD FOUND ○ SET 5/8" x 30" REBAR
+ CUT CROSS FOUND OR SET ● PK FOUND PK NAIL ○ PK SET PK NAIL

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.

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

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

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

● PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF WILL }

THIS IS TO CERTIFY THAT I, THOMAS E. BAUMGARTNER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST, AND SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LOCKPORT, ILLINOIS THIS 26TH DAY OF MARCH 2002 A.D.

Baird & Company
- LAND SURVEYORS -
AT THE HISTORIC RAILROAD DEPOT
133 WEST THIRTEENTH STREET
LOCKPORT, ILLINOIS 60441

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3142
LICENSE EXPIRES 11/30/04

STATE OF ILLINOIS } S.S.
COUNTY OF COOK }

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE REVISED THE PLAT OF HIGHWAYS SHOWN HEREON; THAT SAID PLAT OF HIGHWAYS WAS ORIGINALLY SIGNED AND CERTIFIED ON MARCH 26TH, 2002 BY THOMAS E. BAUMGARTNER, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3142. NO CERTIFICATION AS TO PARCEL BOUNDARIES, AS WOULD BE DETERMINED FROM A BOUNDARY SURVEY, ARE MADE OR IMPLIED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT CHICAGO, ILLINOIS THIS 28TH DAY OF AUGUST, 2006.

COVENTINE FIDIS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
LICENSE EXPIRATION DATE 11/30/2006

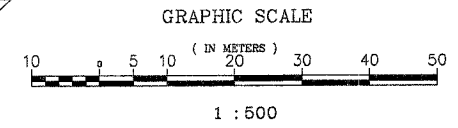
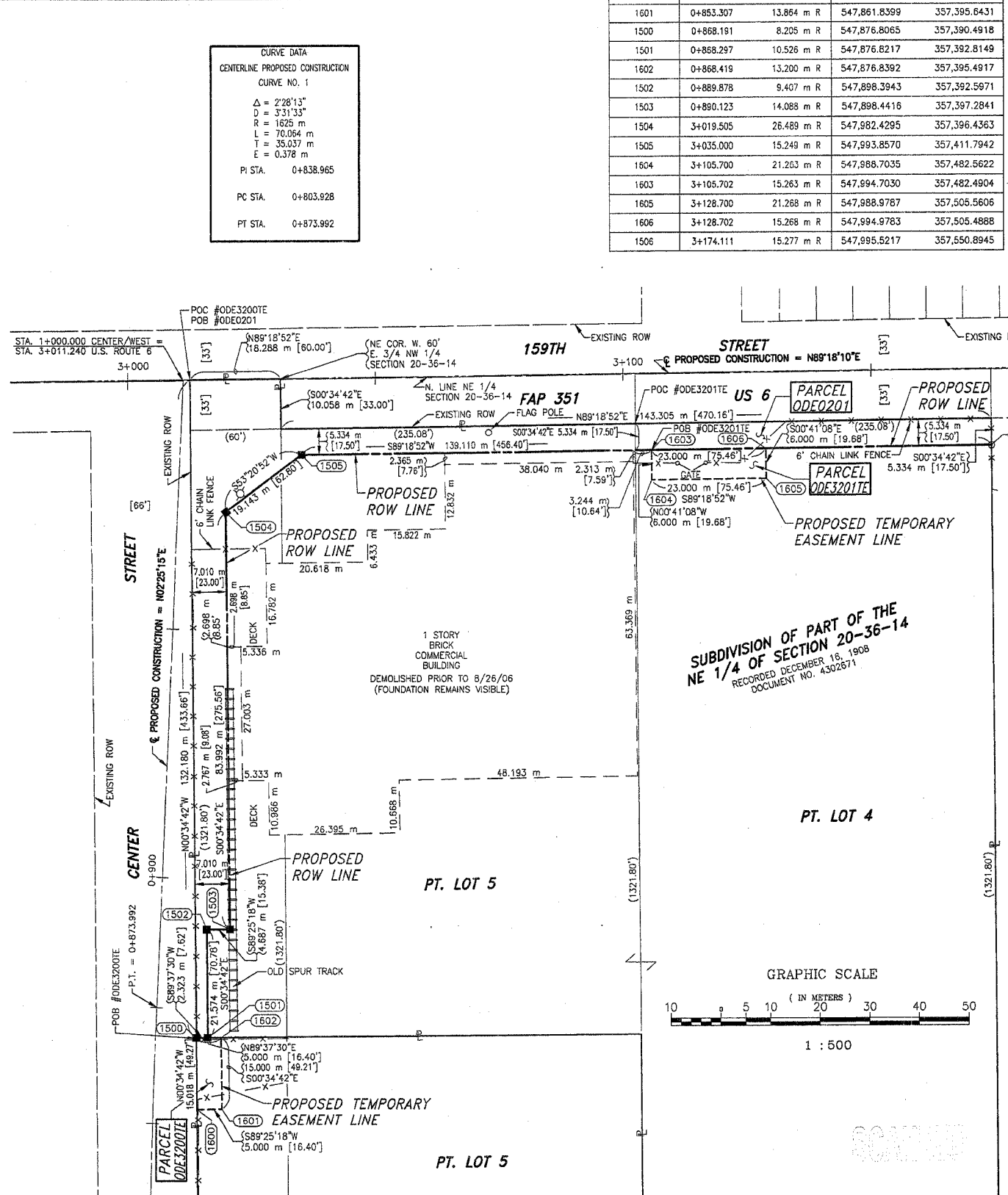
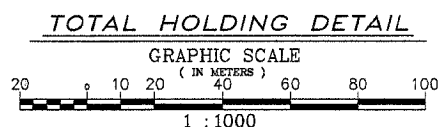
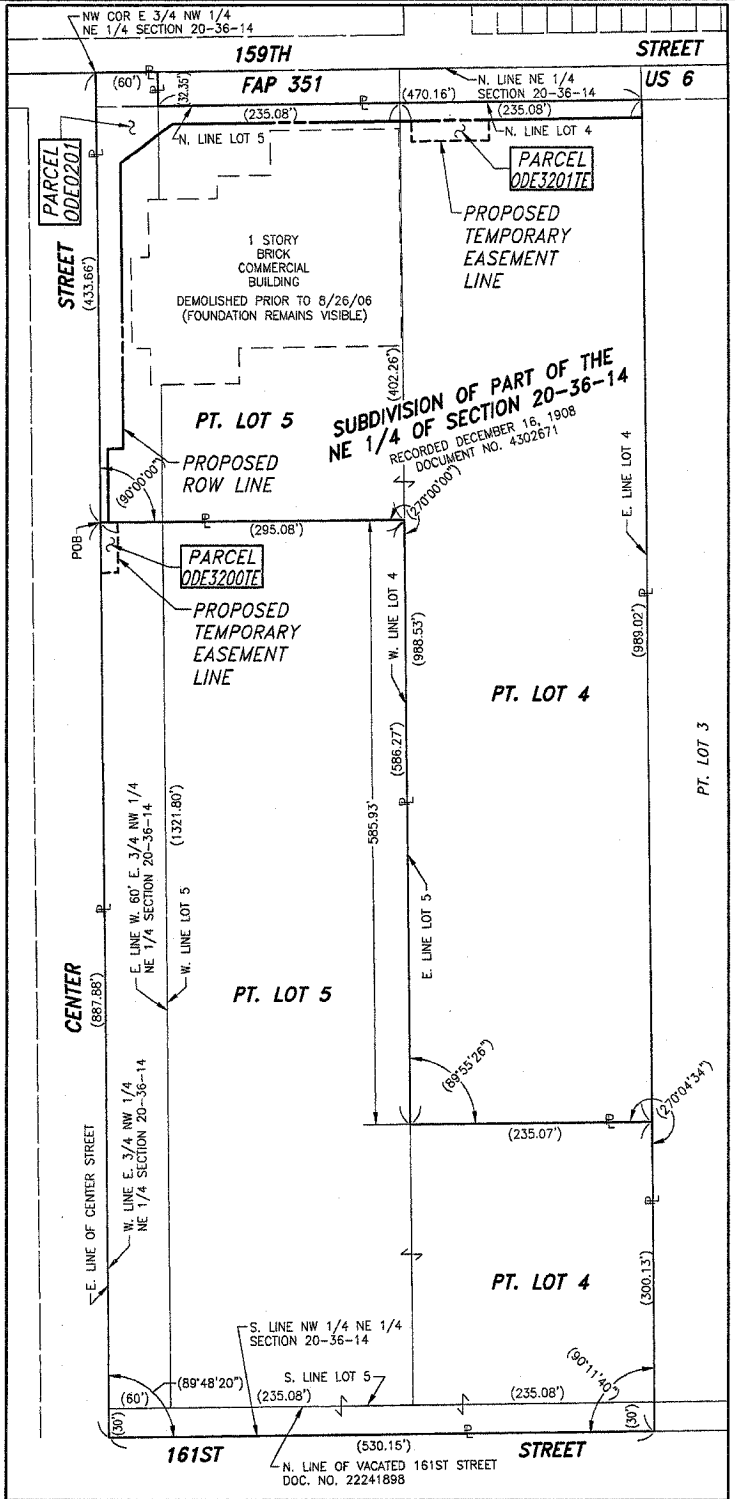
ASC
AMERICAN SURVEYING CONSULTANTS, P.C.
841 N. GALENA AVE. / DIXON, IL 61021 / 815-288-6231
6604 W. CATALPA AVE. / CHICAGO, IL 60656 / 773-444-0800
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192

RECEIVED
AUG 28 2006
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 351 US 6 (159TH STREET)

SECTION COOK COUNTY
PROJECT JOB NO. R-90-011-99
STATION 3+000.000 TO STATION 3+174.111
SCALE: 1:500 SHEET C1 OF

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



FAP 351 US 6 (159TH STREET), SECTION

, JOB. NO. R-90-011-99.

A.S.C. REVISION DATE: 08-28-06
A.S.C. REVISION DATE: 08-23-06
A.S.C. REVISION DATE: 05-26-06

REVISION: NOTED DEMOLISHED BUILDING ON PARCEL ODE0201.
REVISION: CHANGED OWNERSHIP FOR PARCEL ODE3200TE IN PARCEL TABLE.
REVISION: ADDED REVISION CERTIFICATE AND SIGNATURE.
RENUMBERED PARCELS ODE0200TE AND ODE0201TE TO ODE3200TE AND ODE3201TE.

MADE BY: DD
MADE BY: DD
MADE BY: DD

JOB # 3378 ODE DWG. # 000-215-C1

PART OF THE NE 1/4 SECTION 20, T36N, R14E OF THE 3rd PM, THORNTON TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING	PART TAKEN	REMAINDER	PREV. DED.	EASEMENT	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
		HA - [AC]	HA - [AC]	HA - [AC]	HA - [AC]	HA - [AC]			
ODE0203	ILLINOIS BELL TELEPHONE COMPANY	1.7101 [4.226]	0.1103 [0.273]	1.5998 [3.953]	0.0721 [0.178]		CONSTRUCTION	29-20-200-020	

COORDINATE VALUE
 METRIC PROJECT COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY 0.999988, PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

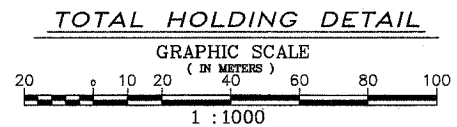
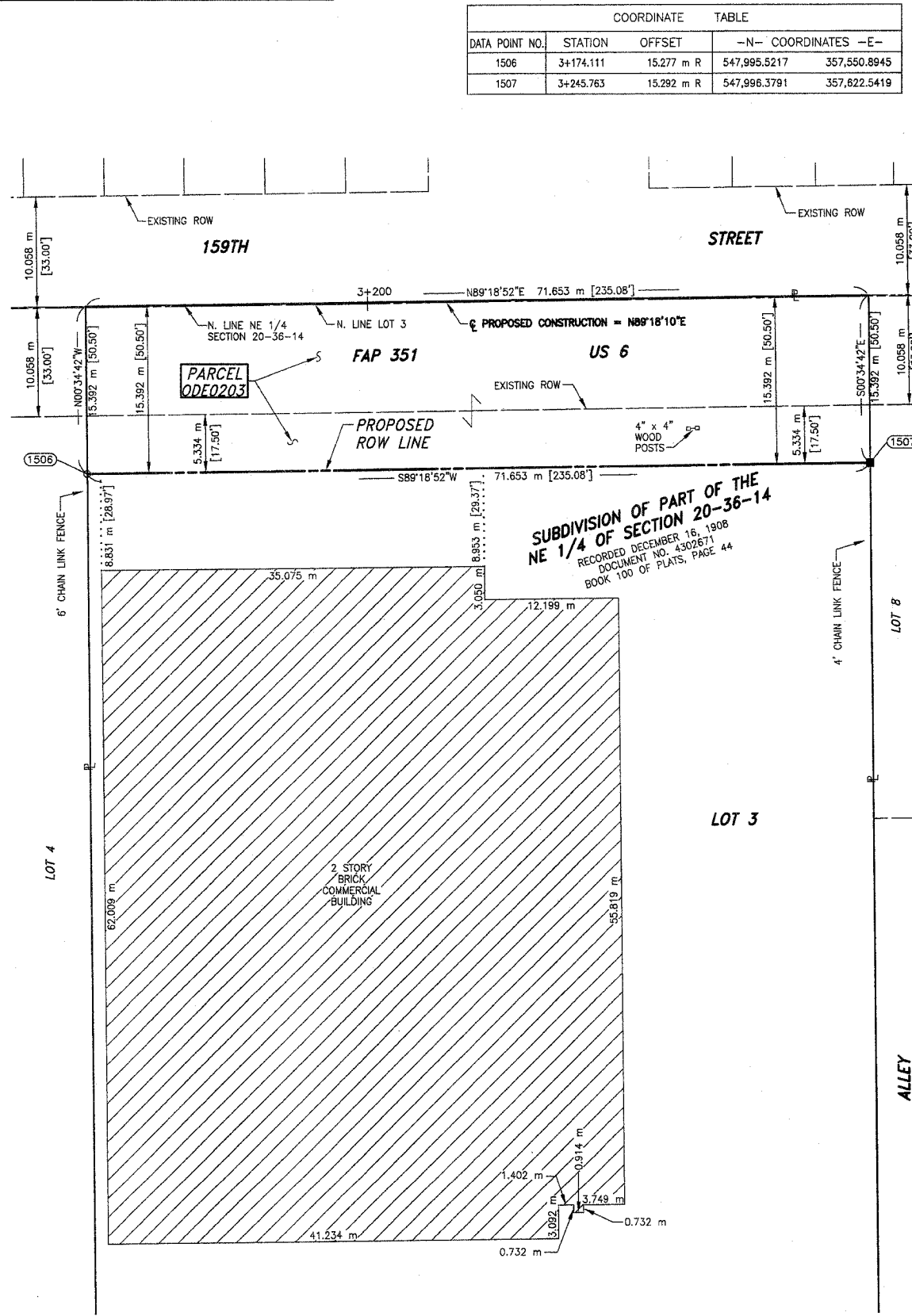
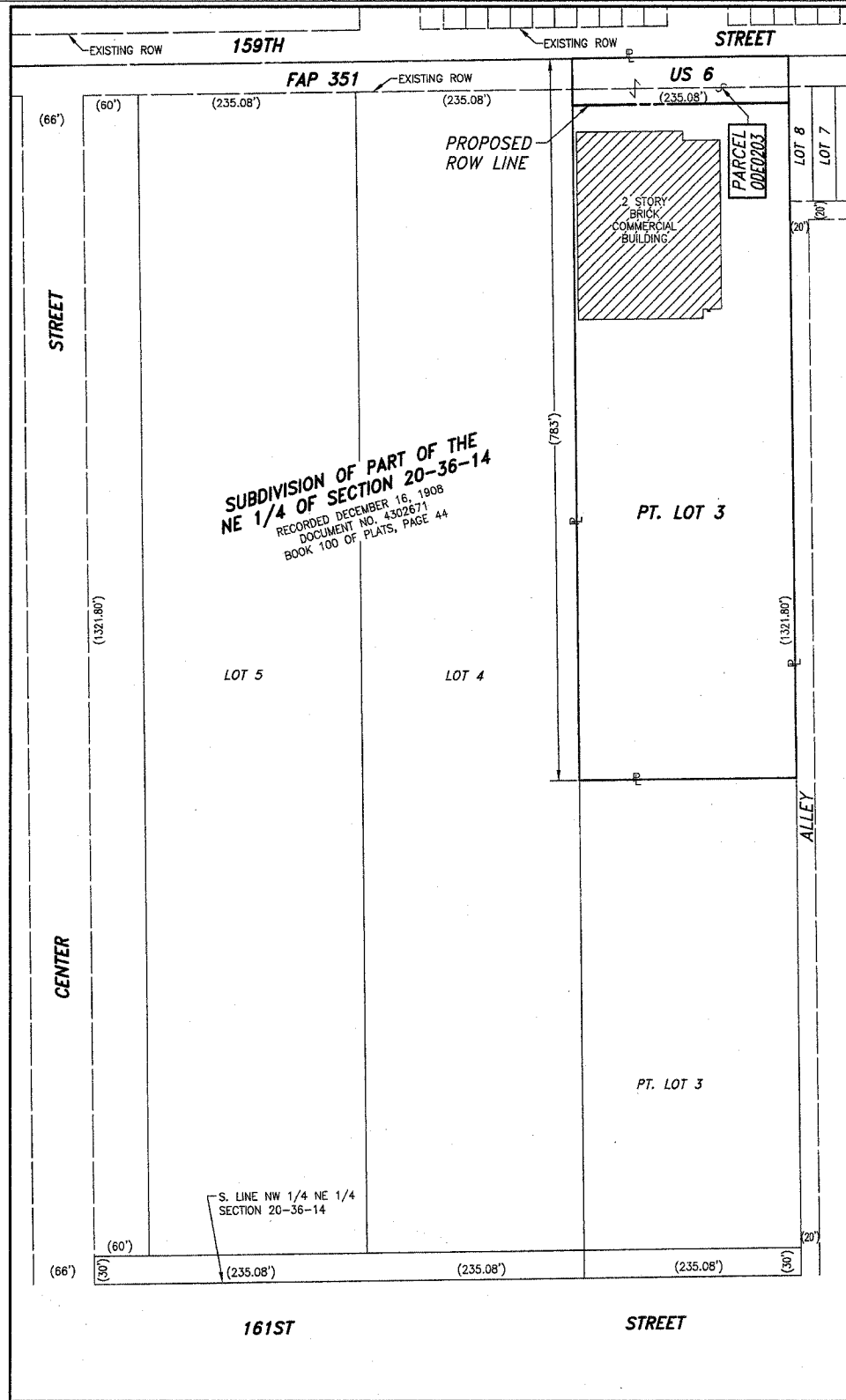
DATA POINT NO.	STATION	OFFSET	-N- COORDINATES	-E-
1506	3+174.111	15.277 m R	547,995.5217	357,550.8945
1507	3+245.763	15.292 m R	547,996.3791	357,822.5419

LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER 15

BEARINGS REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83, PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 123.456m [1.23] MEASURED DIMENSION METRIC WITH IMPERIAL
- 123.45 (COMP) [0.00] COMPUTED DIMENSION METRIC WITH IMPERIAL RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



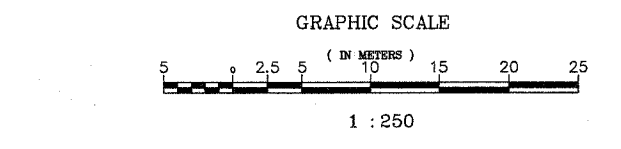
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE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

STATE OF ILLINOIS } SS
 COUNTY OF WILL } SS

THIS IS TO CERTIFY THAT I, THOMAS E. BAUMGARTNER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST, AND SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LOCKPORT, ILLINOIS THIS 26TH DAY OF MARCH 2002 A.D.

Baird & Company
 - LAND SURVEYORS -
 AT THE HISTORIC RAILROAD DEPOT
 133 WEST THIRTEENTH STREET
 LOCKPORT, ILLINOIS 60441

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3142
 LICENSE EXPIRES 11/30/04



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAP 351 US 6 (159TH STREET)

SECTION COOK COUNTY
 PROJECT JOB NO. R-90-011-99
 STATION 3+174.111 TO STATION 3+245.763
 SCALE: 1:250 SHEET C3 OF

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

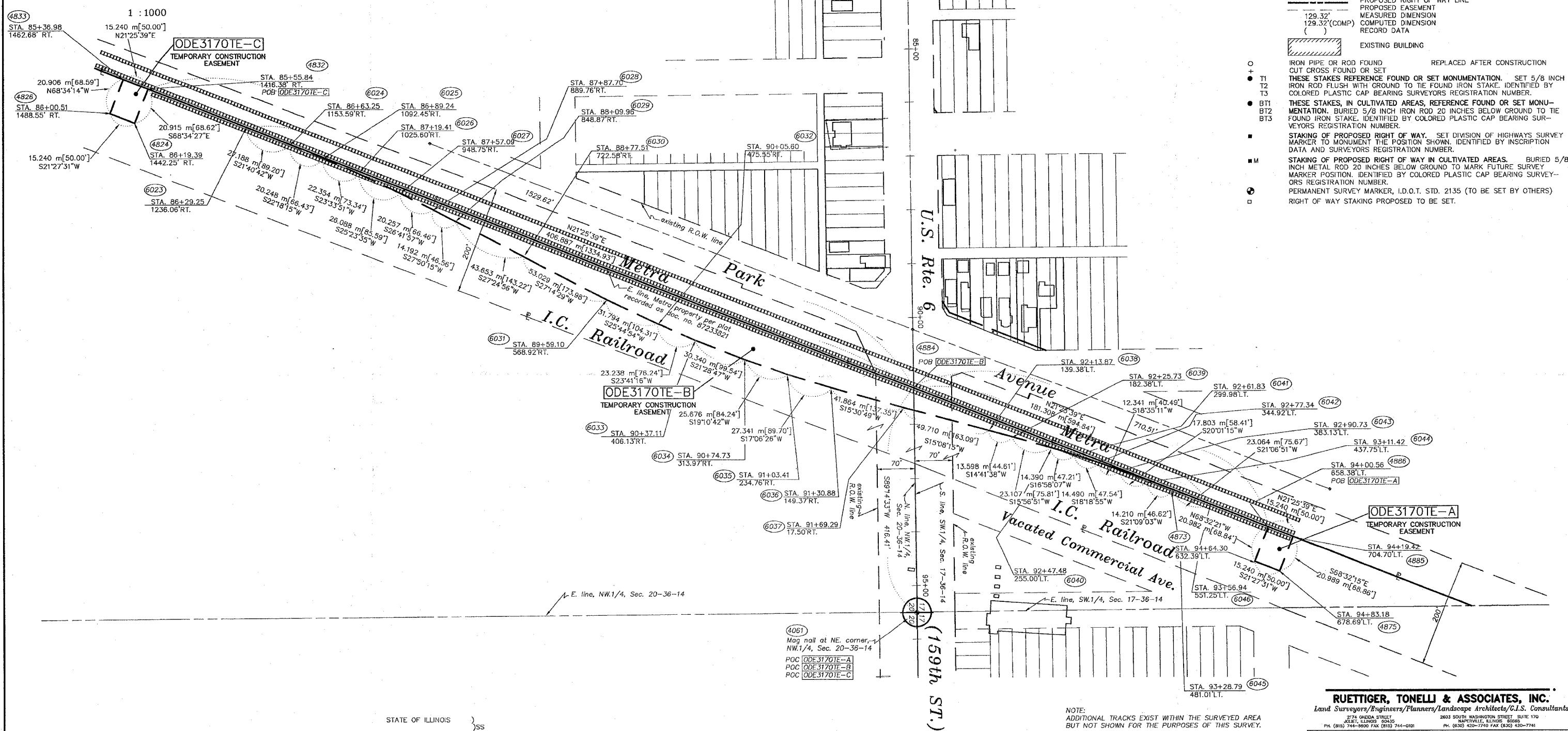
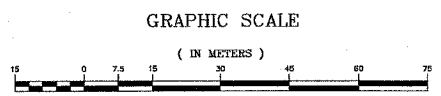
PART OF THE NW.1/4 OF SEC. 20 AND THE SW.1/4 OF SEC. 17, T.36N., R.14E., OF THE 3rd P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
ODE3170	ILLINOIS CENTRAL RAILROAD COMPANY	N/A	N/A	N/A	N/A	A-0.079 B-1.306 C-0.079	DRAINAGE	29-17-500-003 29-17-323-005 29-17-412-002	

LEGEND

TOTAL SHEETS NO. 579 104
QUARTER SECTION CORNER

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- REPLACED AFTER CONSTRUCTION
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- BT2 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3 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 WILL }
THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL LAND SURVEYOR CORPORATION, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 36 NORTH, RANGE 14 EAST, AND SECTION 20, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF ITS KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.



DATED AT JOLIET, ILLINOIS THIS _____ DAY OF _____, A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR
TO ENSURE AUTHORITY OF THIS DRAWING, IT MUST BEAR THE EMBOSSED SEAL OF THE CORPORATION OR PROFESSIONAL LICENSEE WHO PREPARED THIS DRAWING.

NOTE:
ADDITIONAL TRACKS EXIST WITHIN THE SURVEYED AREA BUT NOT SHOWN FOR THE PURPOSES OF THIS SURVEY.

* DENOTES THE DISTANCE FROM THE RIGHT OF WAY LINE TO THE QUARTER SECTION LINE. CENTERLINE IS NOT COINCIDENT WITH QUARTER SECTION LINE AT LABEL POSITION.

DWG. NO. 2006-3061-SHT1
(Original job no. US Rte. 6(159th St.) - 20000161.00)

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.I.S. Consultants
2774 ONEDA STREET, HARTSVILLE, ILLINOIS 60666
2603 SOUTH WASHINGTON STREET, SUITE 170, HARTSVILLE, ILLINOIS 60666
PH. (815) 744-9800 FAX (815) 744-0101 PH. (815) 420-7740 FAX (815) 420-7741

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 351 U.S. RTE. 6 (159th ST.)
SECTION _____ COOK COUNTY
PROJECT _____ JOB NO. R90-011-99
STATION 2+750 TO STATION 2+910
SCALE: 1:1000 SHEET 1 OF 1

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

REVISION DATE	12-19-06	REVISION	REVISD 3170-TE	MADE BY	JMH

**SOIL BORING LOCATION PLAN AND PROFILE FOR
U.S. ROUTE 6
ROAD WIDENING AND RECONSTRUCTION
COOK COUNTY, ILLINOIS**



STS Consultants Ltd.
Consulting Engineers

STS JOB NO. 32646
APRIL 2002



STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

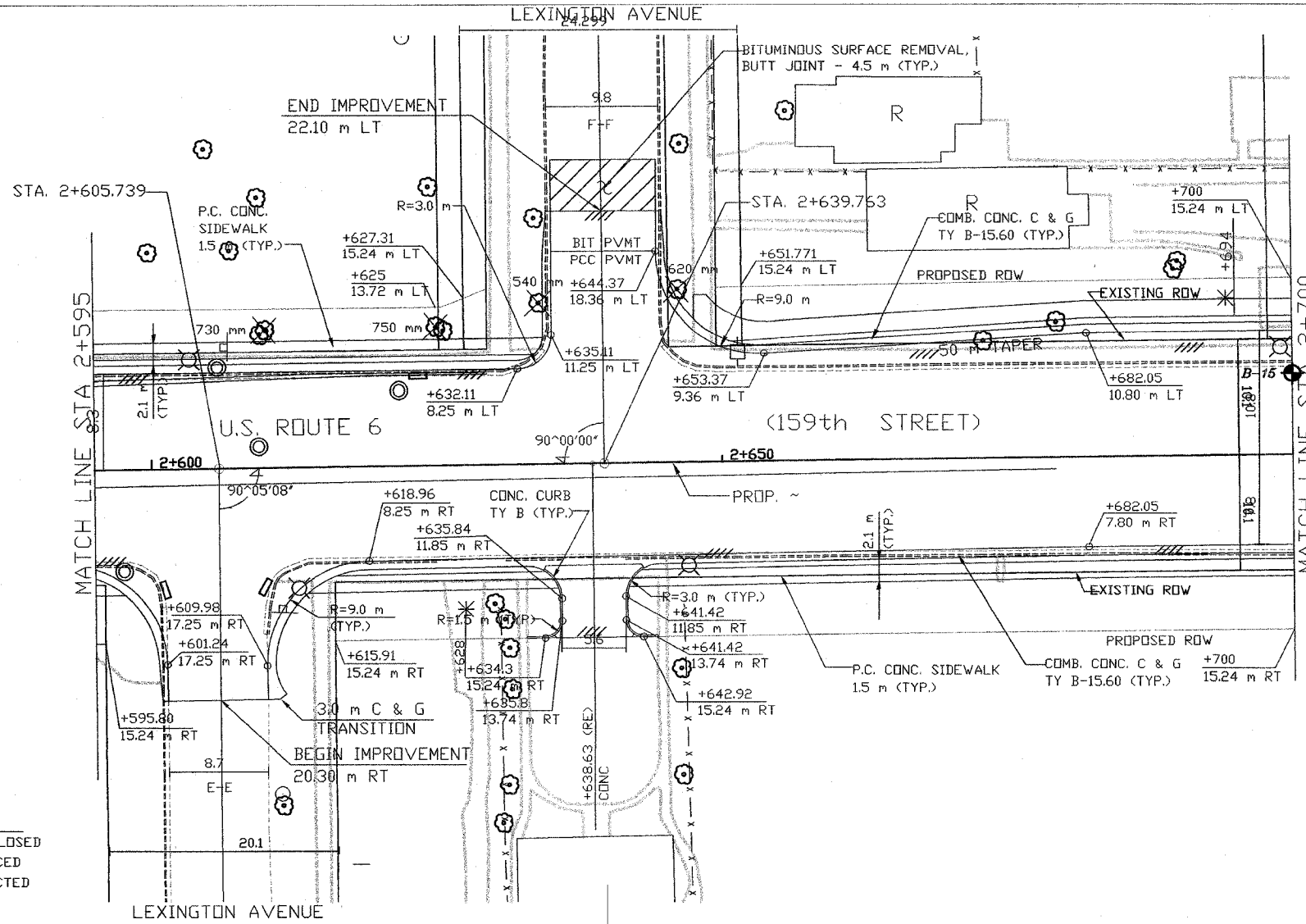
DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

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

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

X:\PROJECTS\122646\PROFILES
22/05/2002 10:59:59
04/09/2002 22:25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	108
STA. 2+595	TO STA. 2+700			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



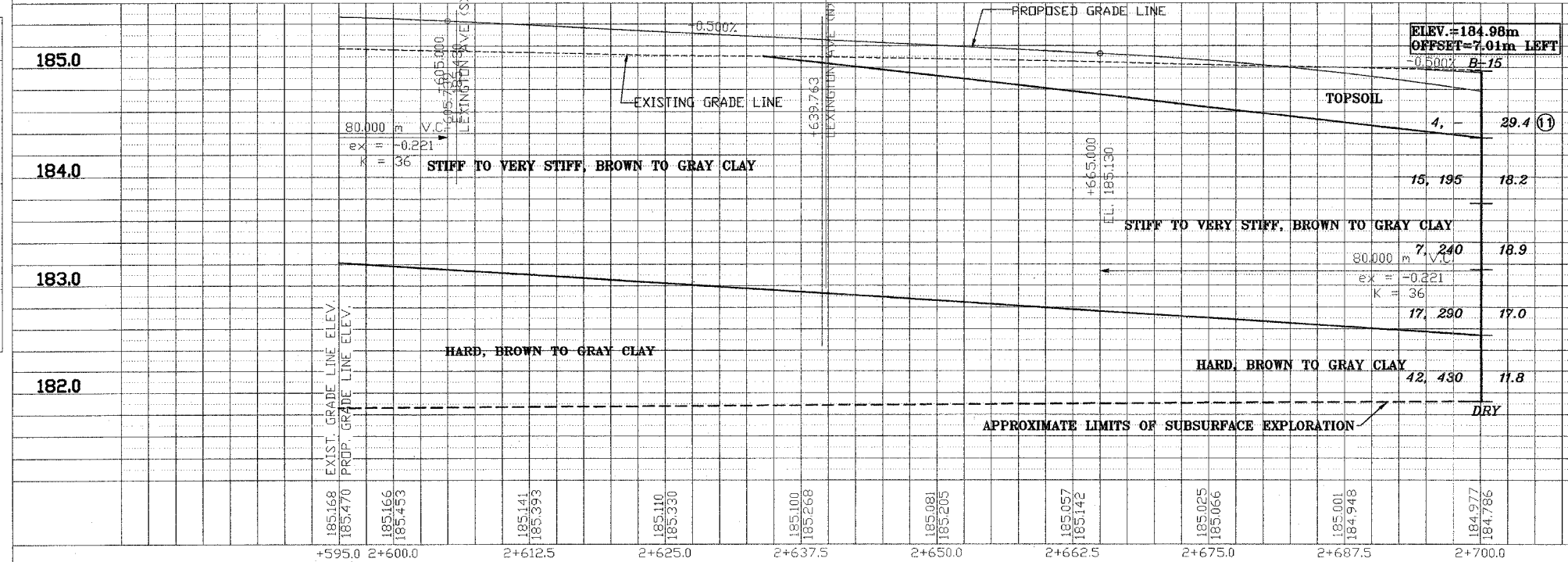
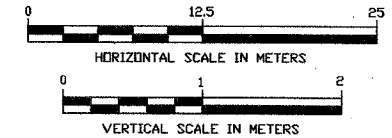
- LEGEND:
- DRIVEWAY TO BE CLOSED
 - TREE TO BE REPLACED
 - TREE TO BE PROTECTED
 - REMOVAL

- LEGEND
- B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)
 - B-15 BORING NO.
 - N, Qp (kPa) 8, 175 22.1, 200 WATER CONTENT (%), Qu (kPa)
 - WATER LEVEL DURING DRILLING
 - DELATED WATER LEVEL
 - NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:

THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

- INDICATES ADDITIONAL LAB TESTING PERFORMED
- DEPTH (METERS)
- ISM CLASSIFICATION
- AASHTO CLASSIFICATION
- LIQUID LIMIT, LL (%)
- PLASTIC LIMIT, PL (%)
- TOTAL ORGANIC MATTER, (T.O.M.) (%)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

PLAN AND PROFILE
STA. 2+595 TO STA. 2+700

DATE 12/20/00

DRAWN BY VAP
CHECKED BY JRP



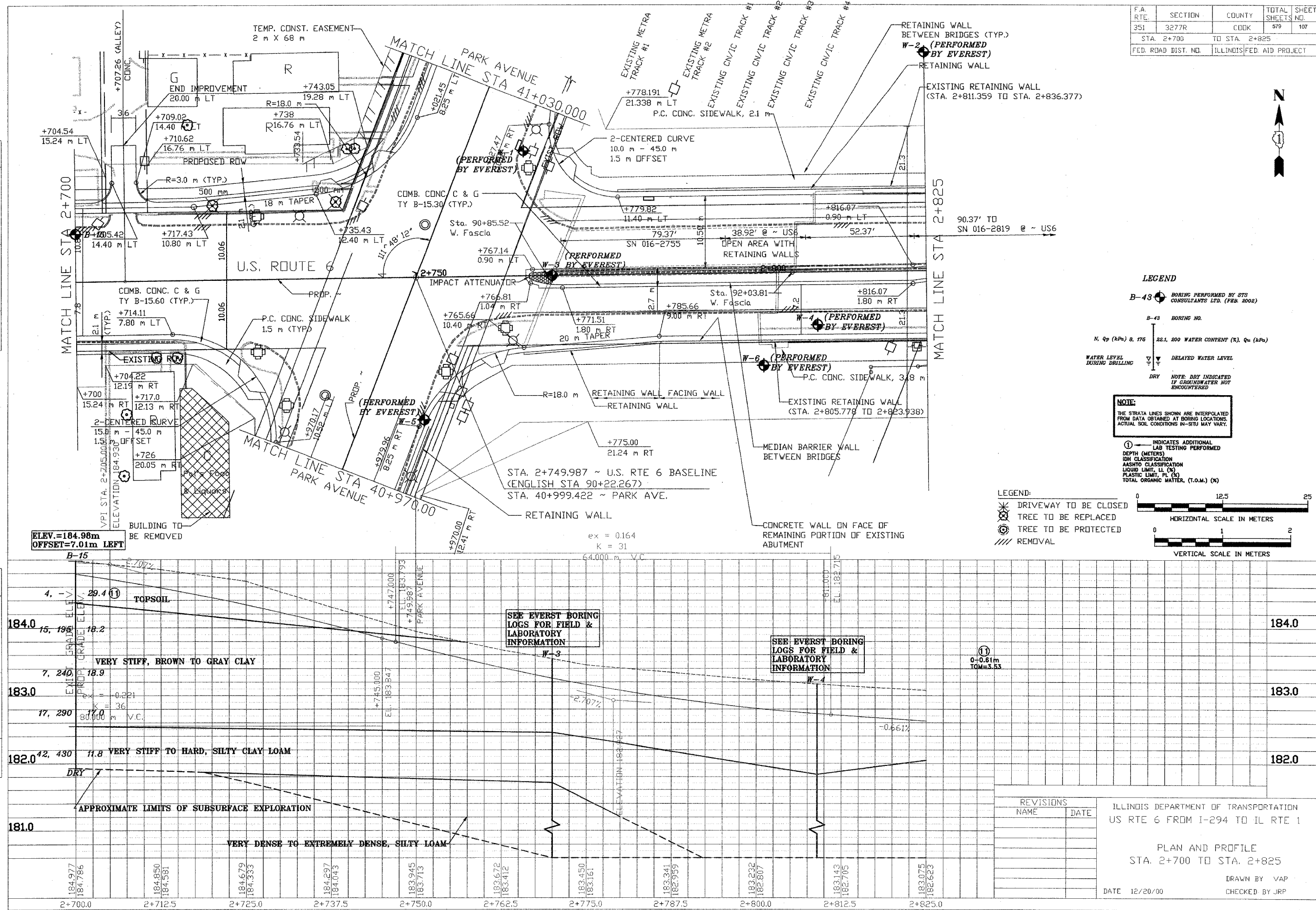
STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY: C.D. 1-10-02
CHECKED BY: SEK 1-10-02
APPROVED BY: TDB 1-10-02

BY	DATE
FINAL SURVEY	
SURVEY CORRECTED	
NOTE BOOKS RECALCULATED	
AREAS CHECKED	
NO.	

BY	DATE
ORIGINAL SURVEY	
SURVEY CORRECTED	
NOTE BOOKS RECALCULATED	
AREAS CHECKED	
NO.	

X:\PROJECTS\32646\PROFILES
2+700-2+825.dwg
04/10/2002 13:36



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
351	3277R	COOK	979	107
STA. 2+700		TO STA. 2+825		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

B-43 BORING NO.

N, Qp (APA) 8, 176 22.1, 200 WATER CONTENT (%), Qu (APA)

WATER LEVEL DURING DRILLING

DELAYED WATER LEVEL

DRY NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:

THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

① INDICATES ADDITIONAL LAB TESTING PERFORMED

DEPTH (METERS)

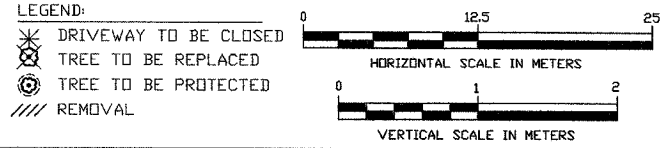
SOIL CLASSIFICATION

AASHTO CLASSIFICATION

LIQUID LIMIT, LL (%)

PLASTIC LIMIT, PL (%)

TOTAL ORGANIC MATTER, (T.O.M.) (%)



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

PLAN AND PROFILE
STA. 2+700 TO STA. 2+825

DATE 12/20/00

DRAWN BY VAP
CHECKED BY JRP



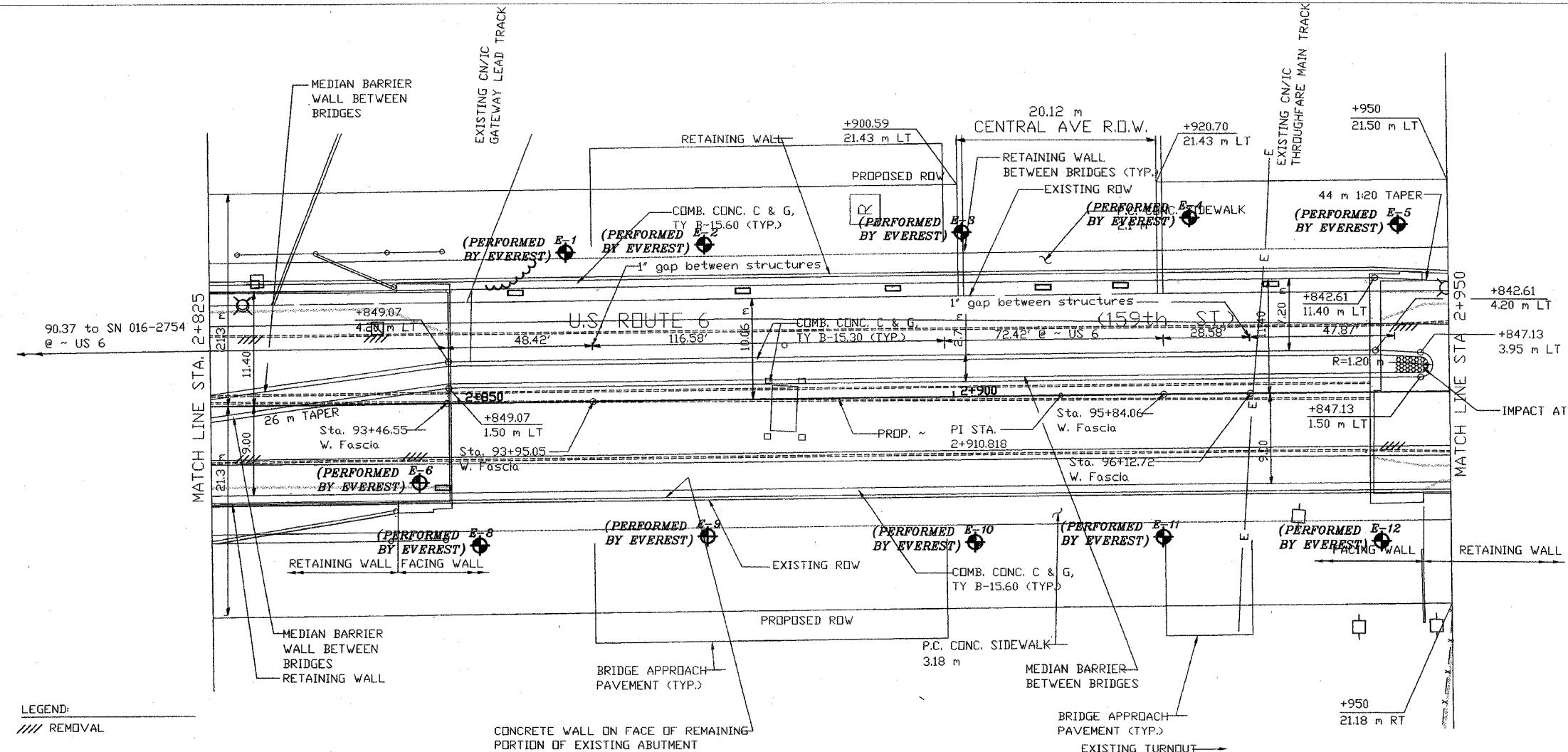
STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
351	3277R	COOK	679	108
STA. 2+825		TO STA. 2+950		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

B-43 BORING NO.

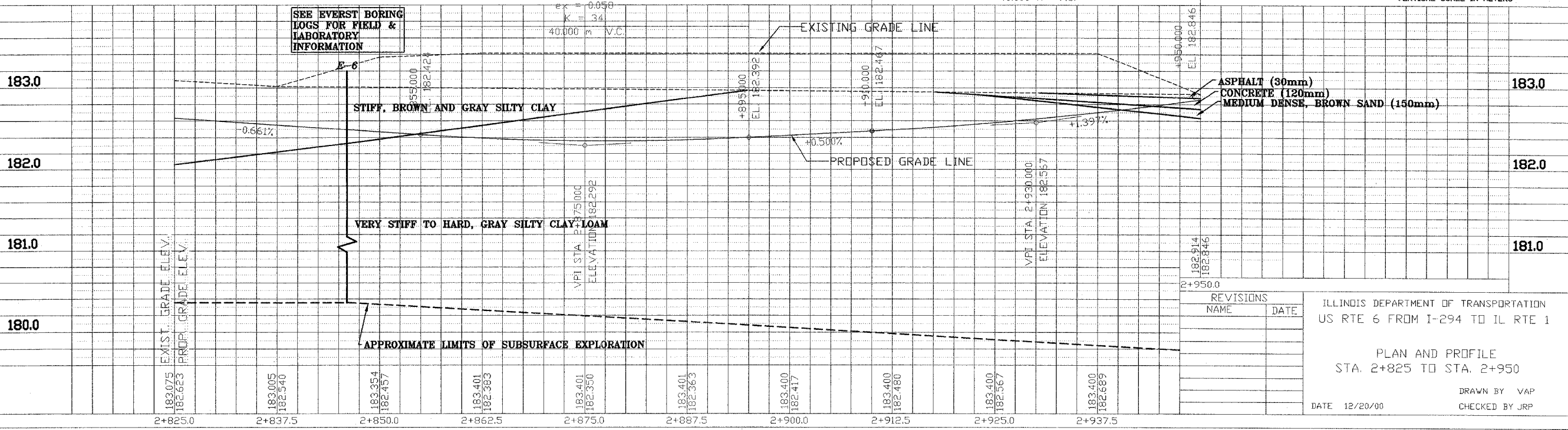
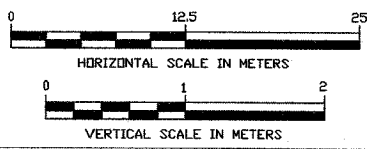
N, Qp (kPa), B, I75 22.1, 200 WATER CONTENT (%), Qu (kPa)

WATER LEVEL DURING DRILLING

DELATED WATER LEVEL

DRY NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

PLAN AND PROFILE
STA. 2+825 TO STA. 2+950

DATE 12/20/00

DRAWN BY VAP
CHECKED BY JRP

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04/10/2002 14:31



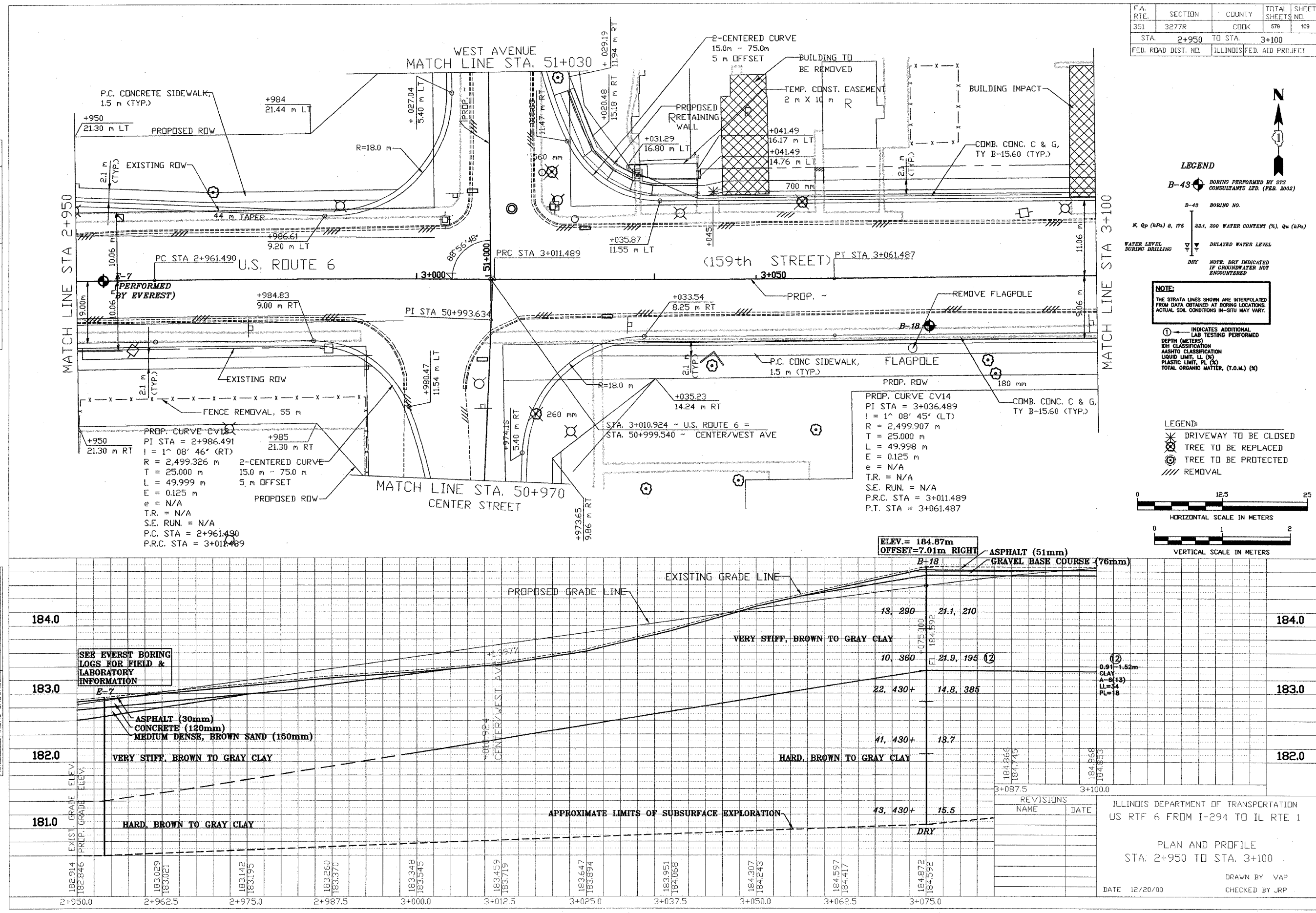
STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

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

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

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2-480-31-100.dwg
04/10/2002 14:34



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	109
STA.	2+950	TO STA.	3+100	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

B-43 BORING NO.

N, Qp (kPa) @ 175 22.1, 200 WATER CONTENT (%), Qu (kPa)

WATER LEVEL DURING DRILLING

DELATED WATER LEVEL

DRY NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

① INDICATES ADDITIONAL LAB TESTING PERFORMED

DEPTH (METERS)

ISH CLASSIFICATION

AASHTO CLASSIFICATION

LIQUID LIMIT, LL (%)

PLASTIC LIMIT, PL (%)

TOTAL ORGANIC MATTER, (T.O.M.) (%)

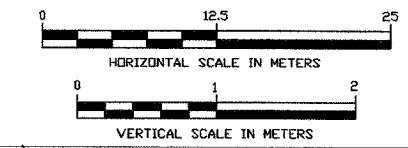
LEGEND:

✖ DRIVEWAY TO BE CLOSED

⊗ TREE TO BE REPLACED

⊙ TREE TO BE PROTECTED

/// REMOVAL





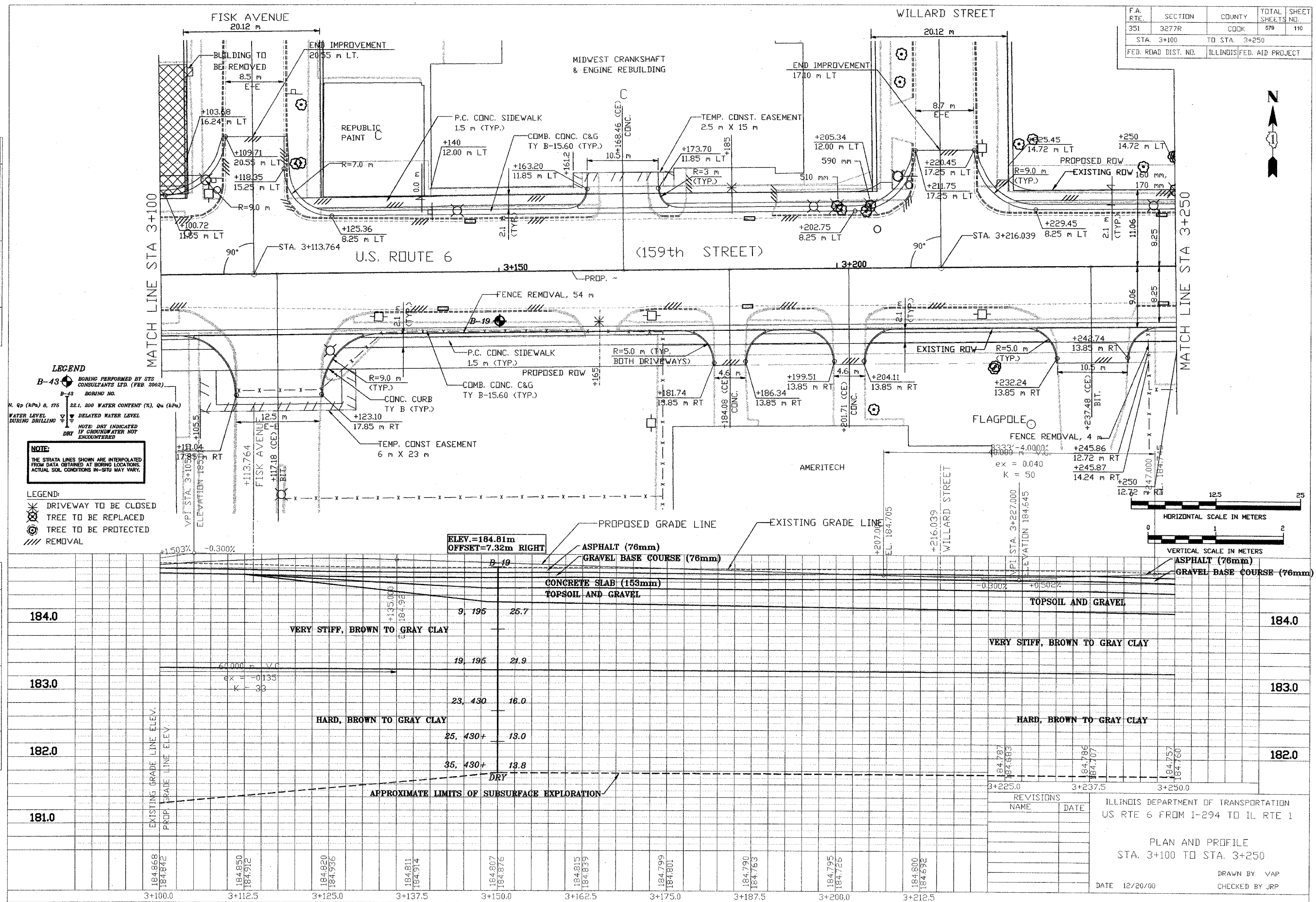
STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY: CJD 4-10-02
CHECKED BY: SEK 4-10-02
APPROVED BY: TDB 4-10-02

BY	DATE

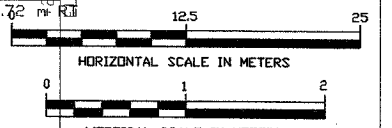
BY	DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	110
STA. 3+100		TO STA. 3+250		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND
 B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB 2002)
 B-43 BORING NO.
 WATER LEVEL DURING DRILLING
 22.1. 200 WATER CONTENT (%), Qu (kPa)
 DELAYED WATER LEVEL
 NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED
 DRY
 NOTE:
 THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

LEGEND:
 * DRIVEWAY TO BE CLOSED
 ⊗ TREE TO BE REPLACED
 ⊙ TREE TO BE PROTECTED
 // REMOVAL



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

PLAN AND PROFILE
STA. 3+100 TO STA. 3+250
DATE 12/20/00
DRAWN BY VAP
CHECKED BY JRP

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04/07/2002 22:29



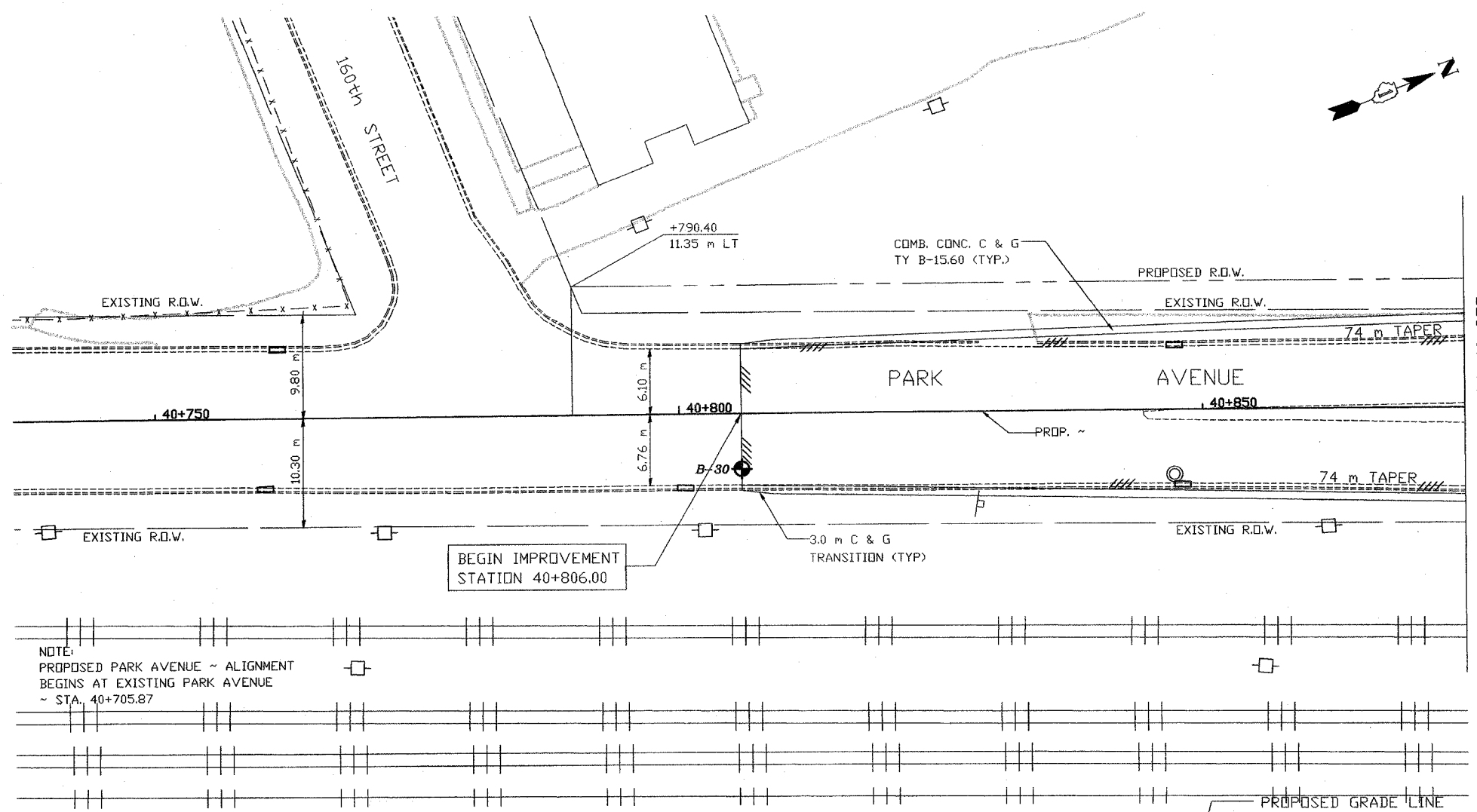
STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY: CJD 4-10-02
CHECKED BY: SEK 4-10-02
APPROVED BY: TDB 4-10-02

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

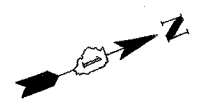
BY	DATE
ORIGINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

X:\PROJECTS\32646\PROFILES\
40+806-40+875.dwg
04/09/2002 22:45



MATCH LINE STA 40+875

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	111
STA. 40+805.00		TO STA. 40+875		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

B-45 BORING NO.

N, Qp (kPa) @ 175 22.1, 200 WATER CONTENT (%), Qu (kPa)

WATER LEVEL DURING DRILLING

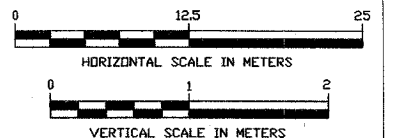
DELAYED WATER LEVEL

DRY NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

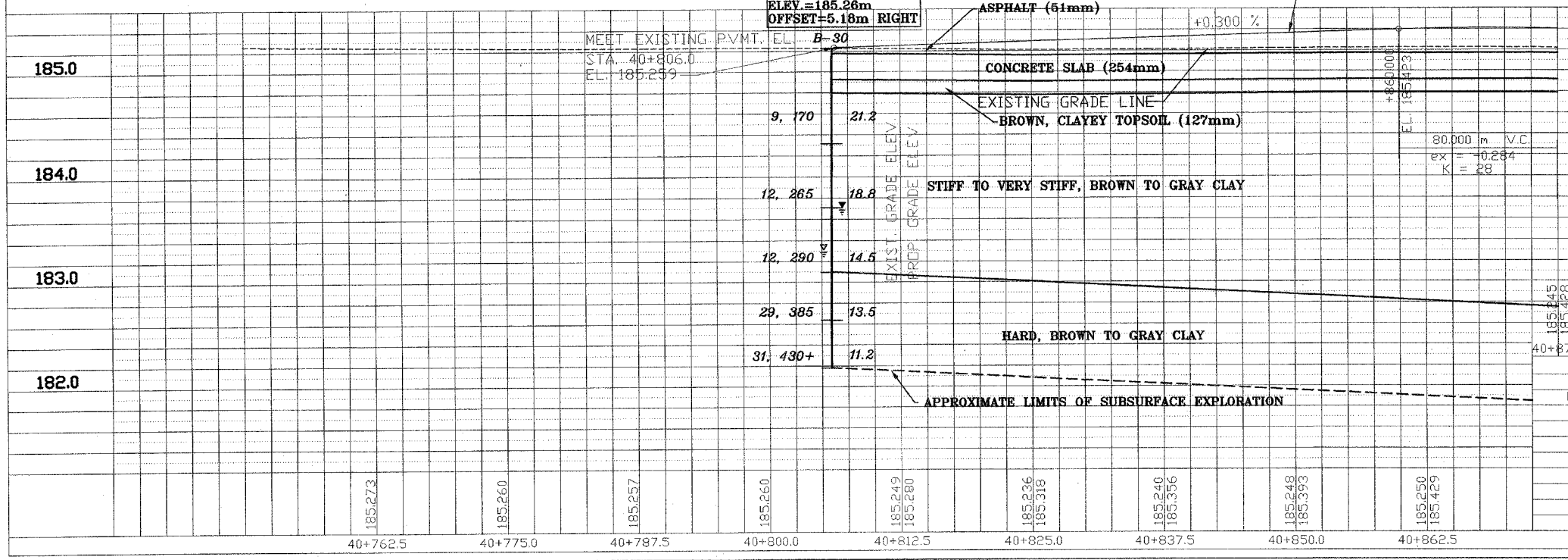
NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

LEGEND:

- DRIVEWAY TO BE CLOSED
- TREE TO BE REPLACED
- TREE TO BE PROTECTED
- REMOVAL



NOTE:
PROPOSED PARK AVENUE ~ ALIGNMENT
BEGINS AT EXISTING PARK AVENUE
~ STA. 40+705.87



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
PARK AVENUE
PLAN AND PROFILE
STA. 40+806 TO STA. 40+875
DRAWN BY VAP
CHECKED BY JRP
DATE 12/20/00



STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

BY	DATE
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BODY TEMPLATE	
AREAS CHECKED	
NO.	

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

X:\PROJECTS\32646\PROFILES\40+875_40+970.dwg
04/10/2002 13:00

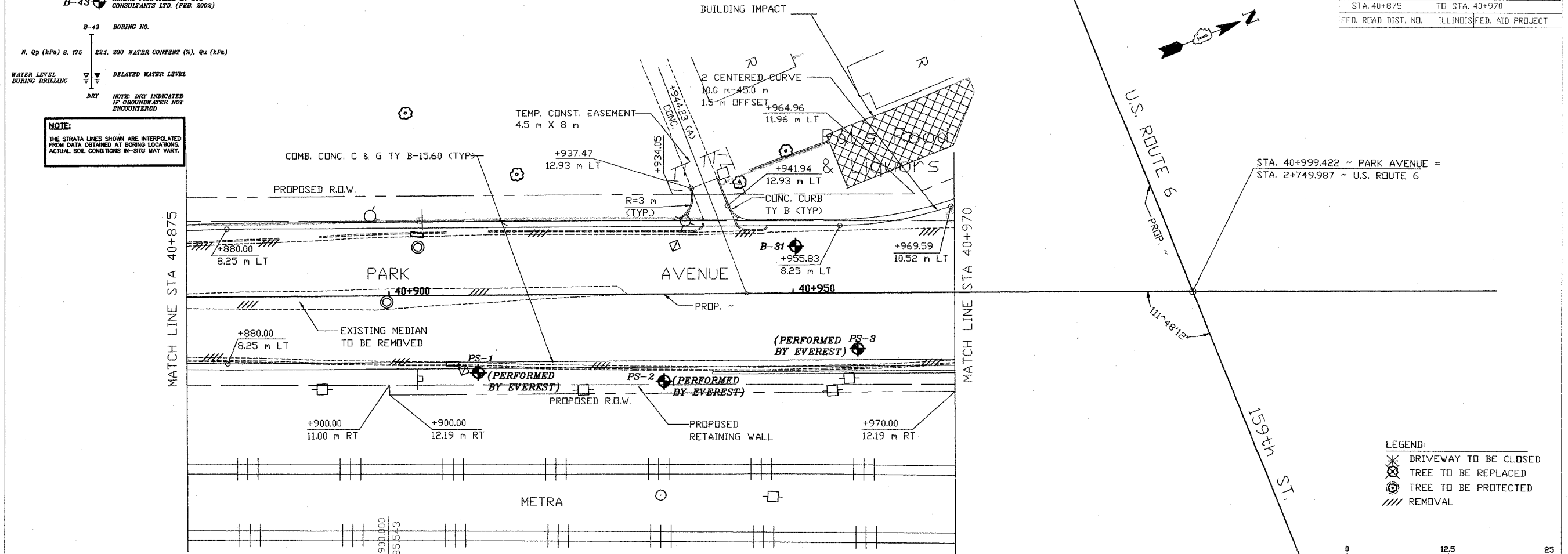
LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

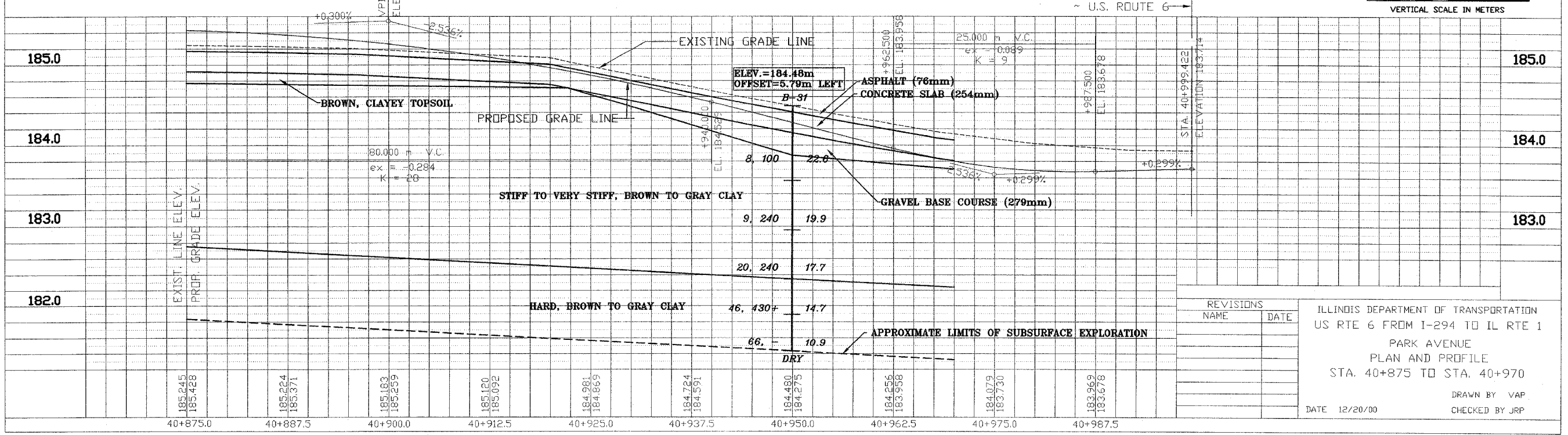
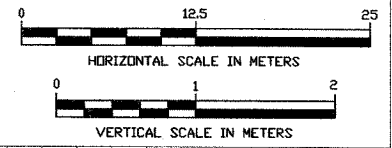
B-43 BORING NO.
N, Qp (kPa) 8, 175 22.1, 200 WATER CONTENT (%), Qu (kPa)
WATER LEVEL DURING DRILLING
DELAYED WATER LEVEL
NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	112
STA. 40+875 TO STA. 40+970		ILLINOIS FED. AID PROJECT		



LEGEND:
 ✖ DRIVEWAY TO BE CLOSED
 ⊗ TREE TO BE REPLACED
 ⊙ TREE TO BE PROTECTED
 // REMOVAL



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
PARK AVENUE
PLAN AND PROFILE
STA. 40+875 TO STA. 40+970
DRAWN BY VAP
CHECKED BY JRP
DATE 12/20/00



STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO.: 32646

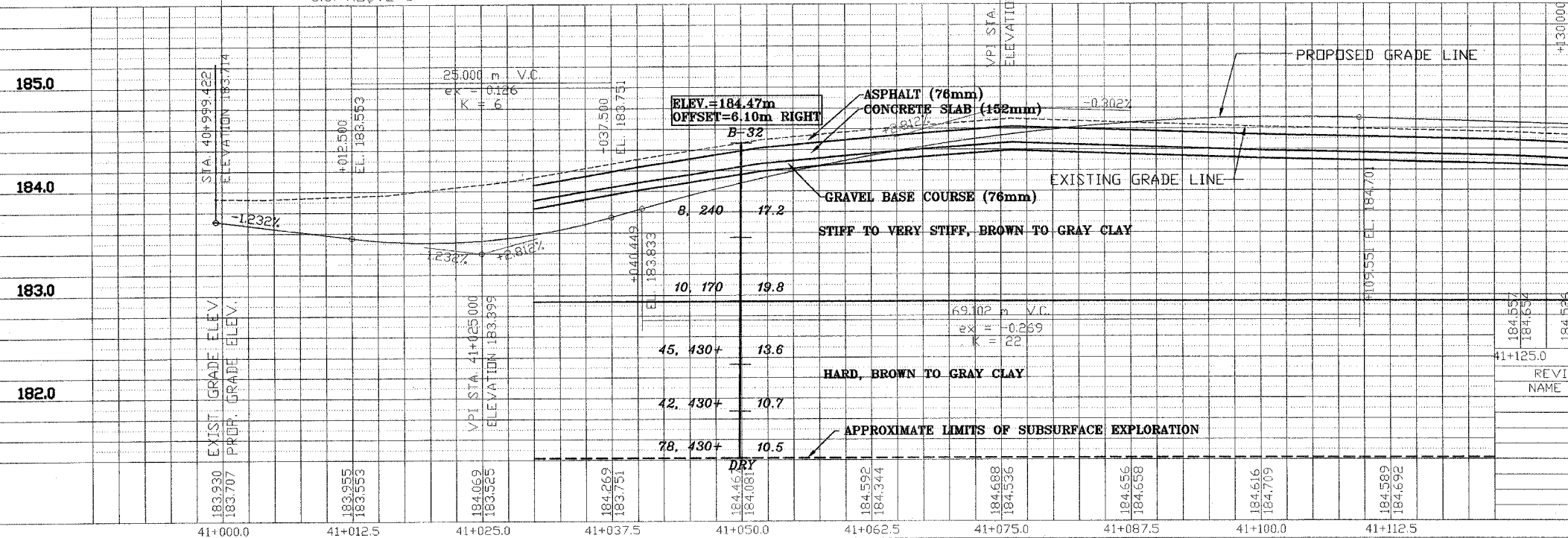
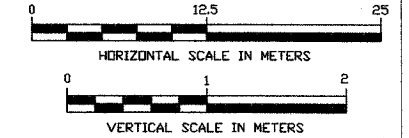
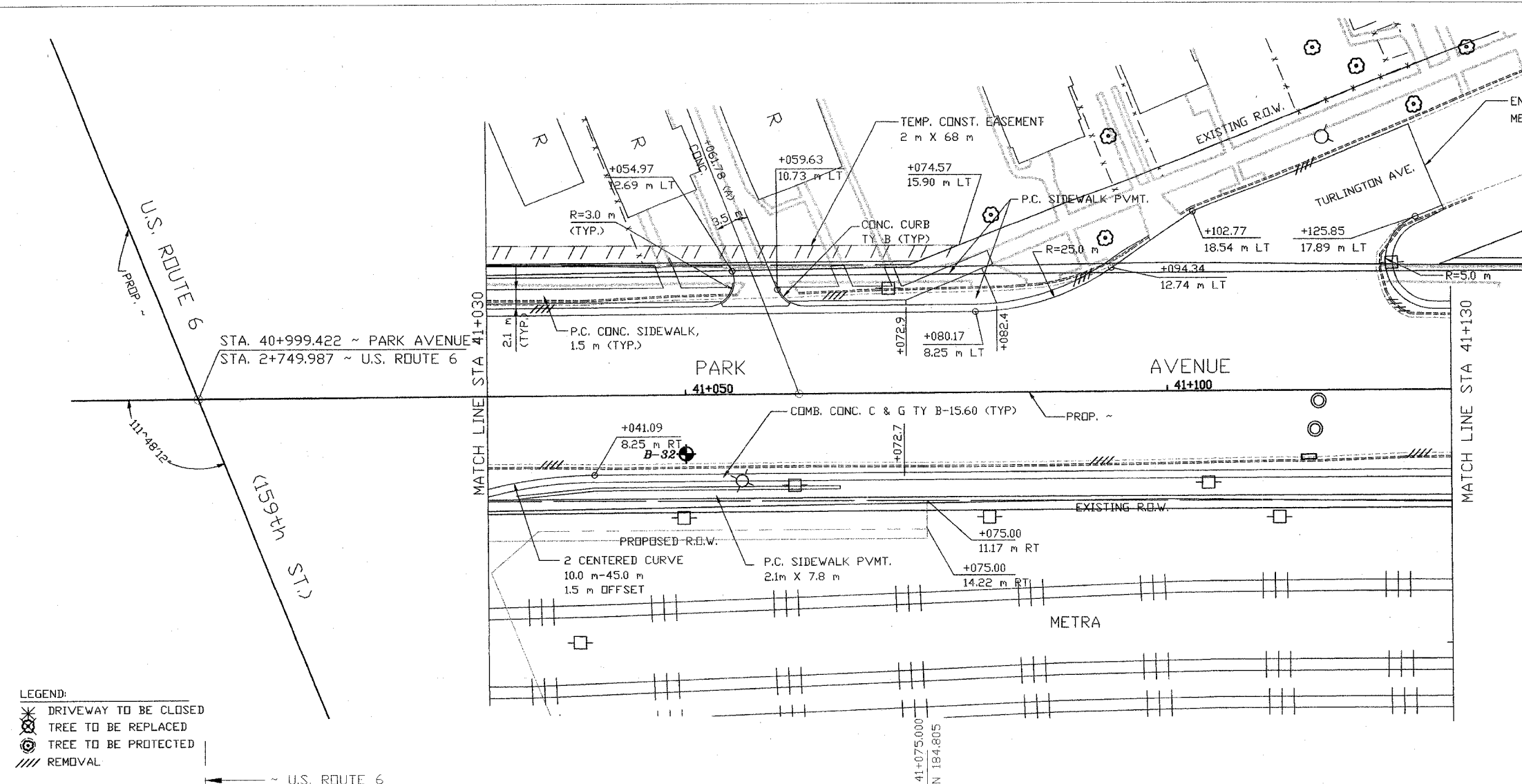
DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

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

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

X:\PROJECTS\32646\PROFILES\
41+030_41+130.dwg
04/09/2002 22:53

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
351	3277R	COOK	579 113
STA. 41+030		TO STA. 41+130	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 PARK AVENUE
 PLAN AND PROFILE
 STA. 41+030 TO STA. 41+130

DRAWN BY VAP
 CHECKED BY JRP

DATE 12/20/00



STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO.: 32646

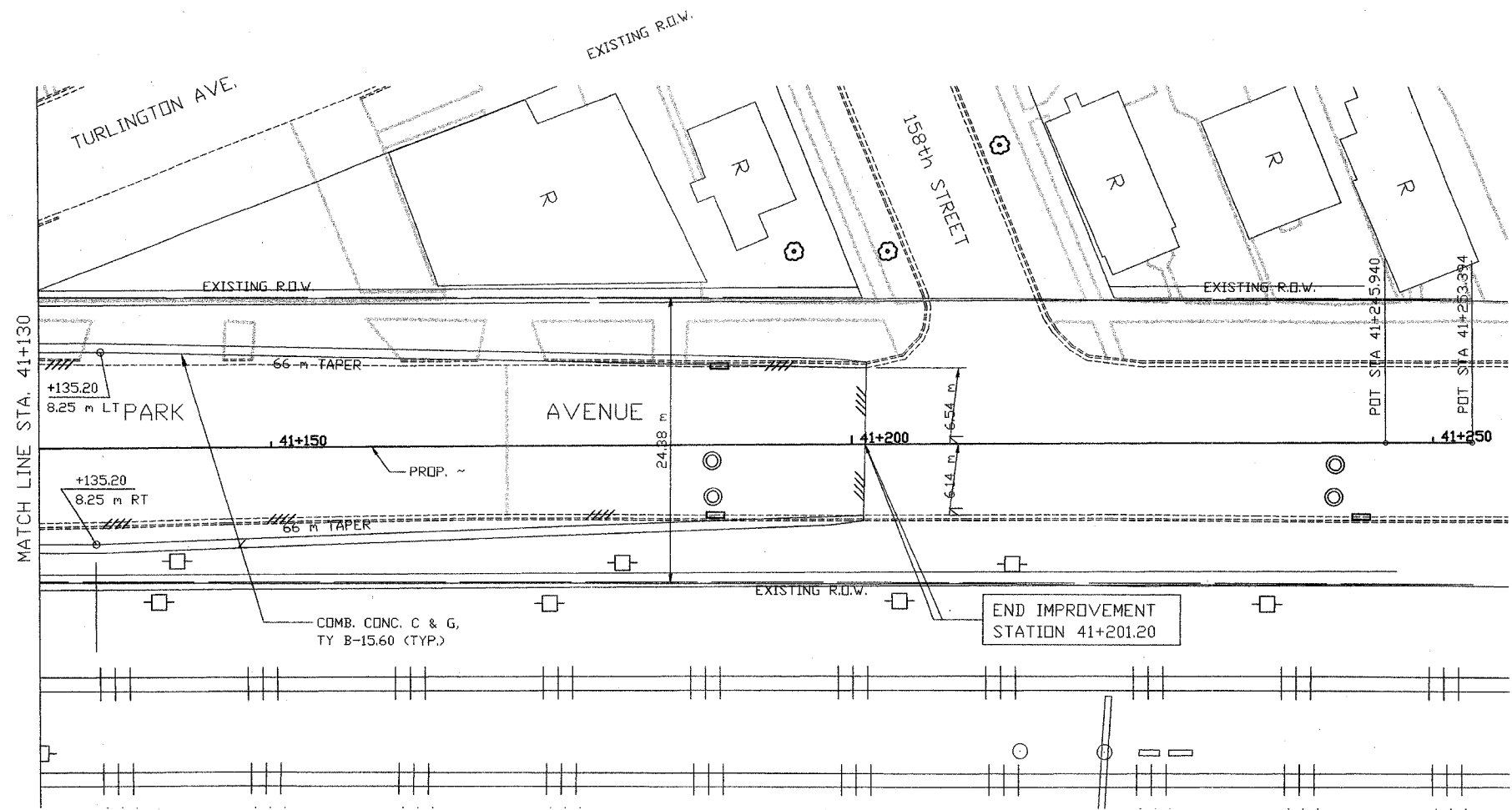
DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

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

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

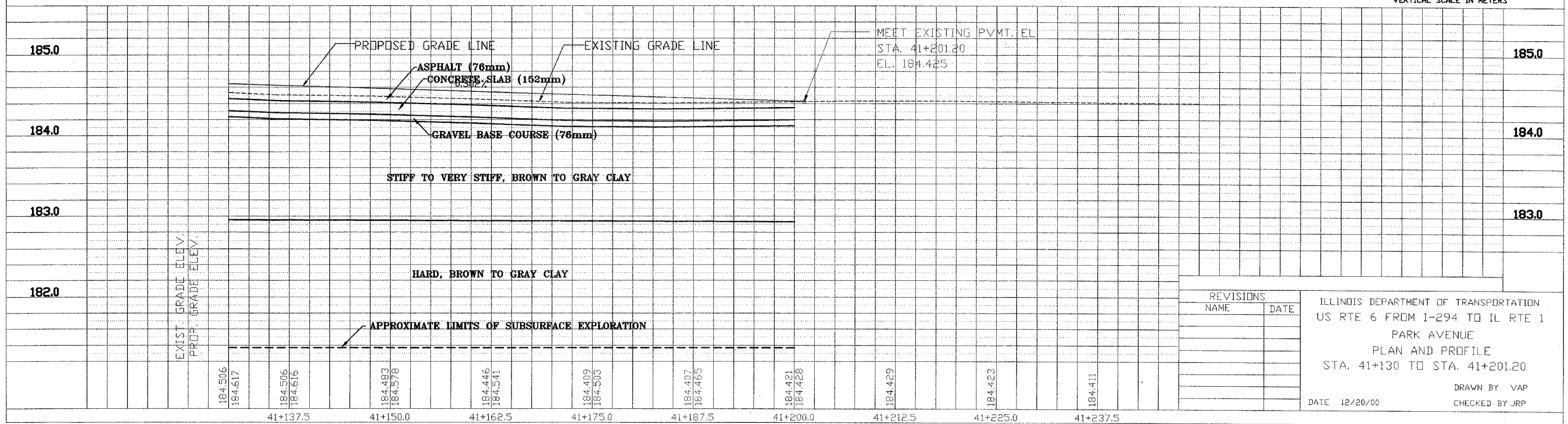
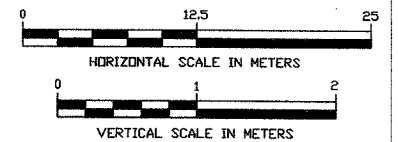
X:\PROJECTS\32646\PROFILES\
41+130 TO 41+201.20.dwg
04/09/2002 22:55

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	114
STA. 41+130		TO STA. 41+201.20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND:
- DRIVEWAY TO BE CLOSED
 - TREE TO BE REPLACED
 - TREE TO BE PROTECTED
 - REMOVAL

NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
PARK AVENUE
PLAN AND PROFILE
STA. 41+130 TO STA. 41+201.20
DATE 12/20/00
DRAWN BY VAP
CHECKED BY JRP



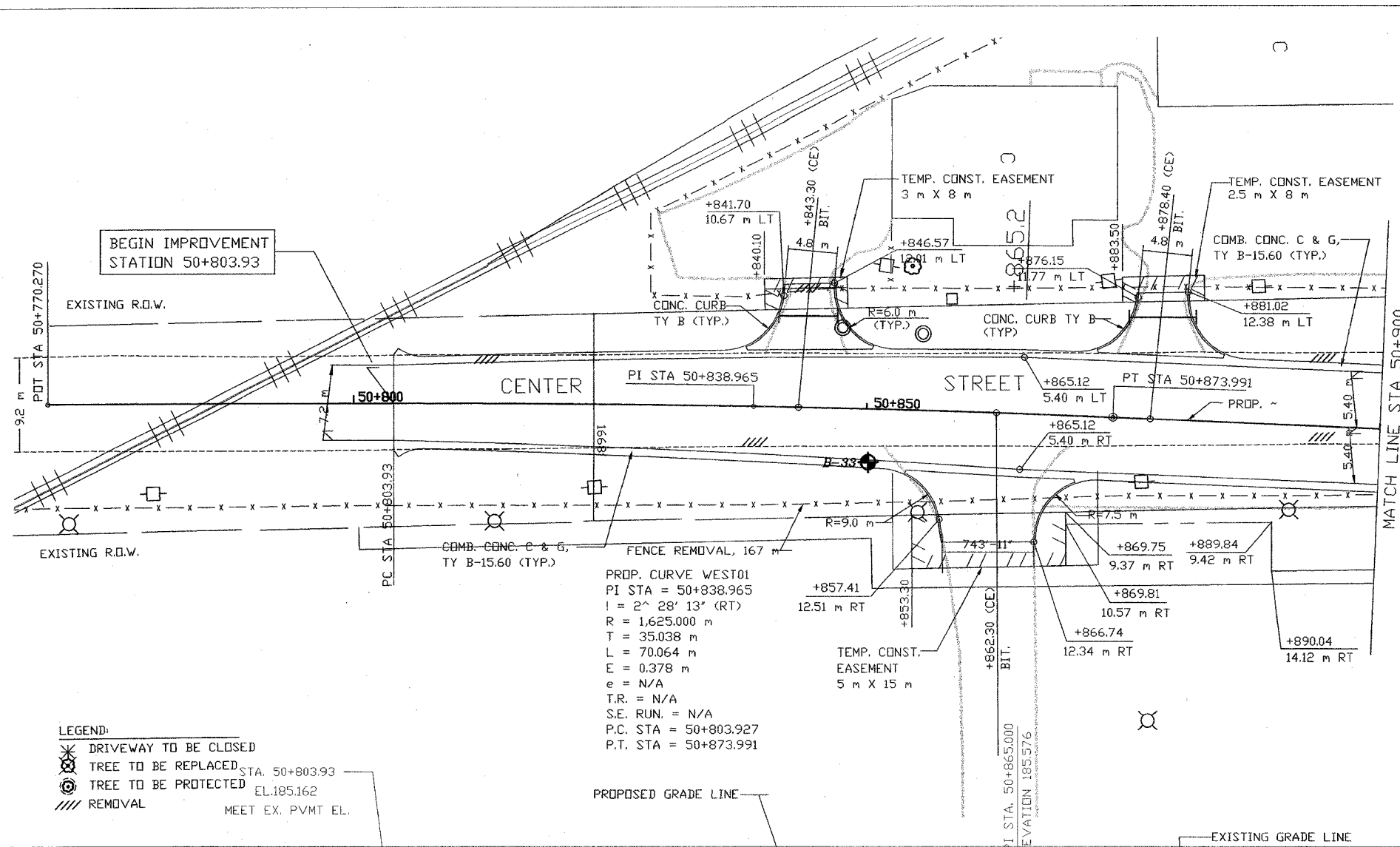
STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET
351	3277R	COOK	579	115
STA. 50+803.93		TD STA. 50+900		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

B-43 BORING NO.

N, Qp (kPa) 8, 176 22.1, 200 **WATER CONTENT (%)**, **Q_u (kPa)**

WATER LEVEL **DELAYED WATER LEVEL**

NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:

THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

① INDICATES ADDITIONAL LAB TESTING PERFORMED

DEPTH (METERS)

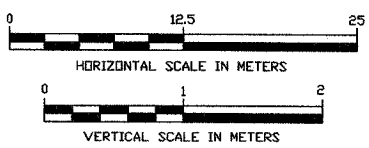
SOIL CLASSIFICATION

AASHTO CLASSIFICATION

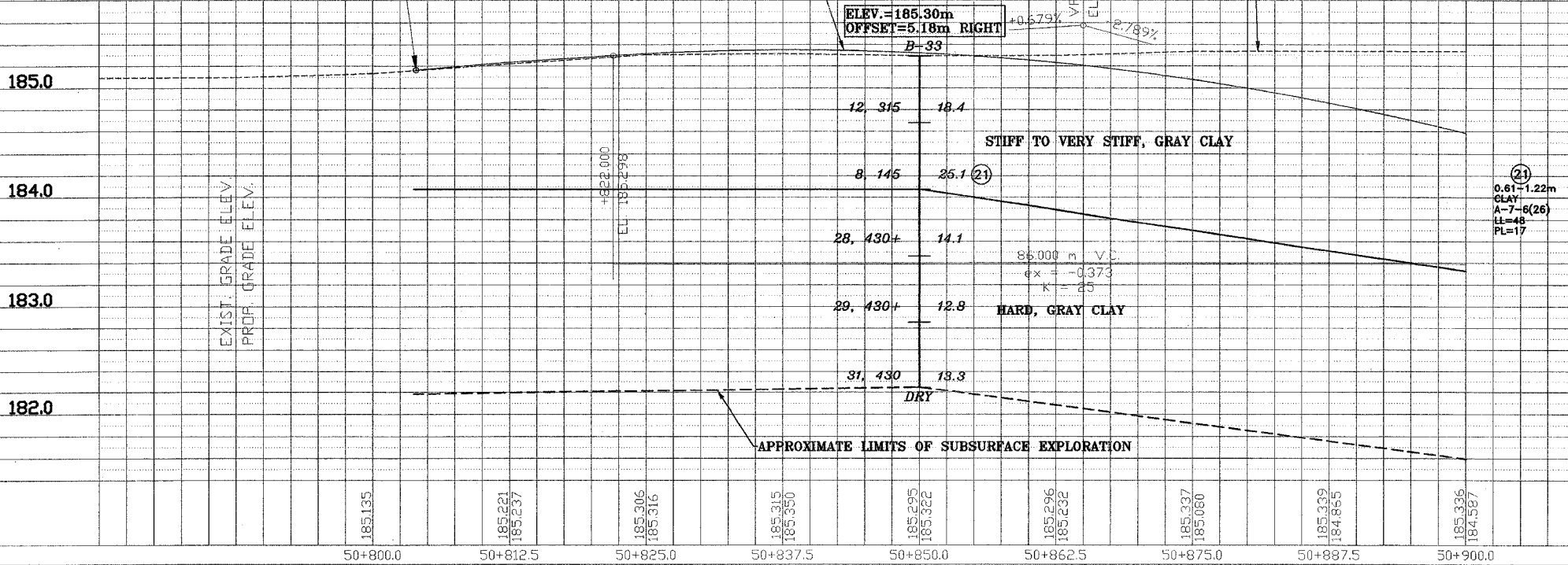
LIQUID LIMIT, LL (%)

PLASTIC LIMIT, PL (%)

TOTAL ORGANIC MATTER, (T.O.M.) (%)



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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 CENTER STREET
 PLAN AND PROFILE
 STA. 50+803.93 TO STA. 50+900

DATE 12/20/00

DRAWN BY VAP
 CHECKED BY JRP

X:\PROJECTS\132646\PROFILES\50-803.93-50-900.dwg
 04/09/2002 22:56



STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO.: 32646

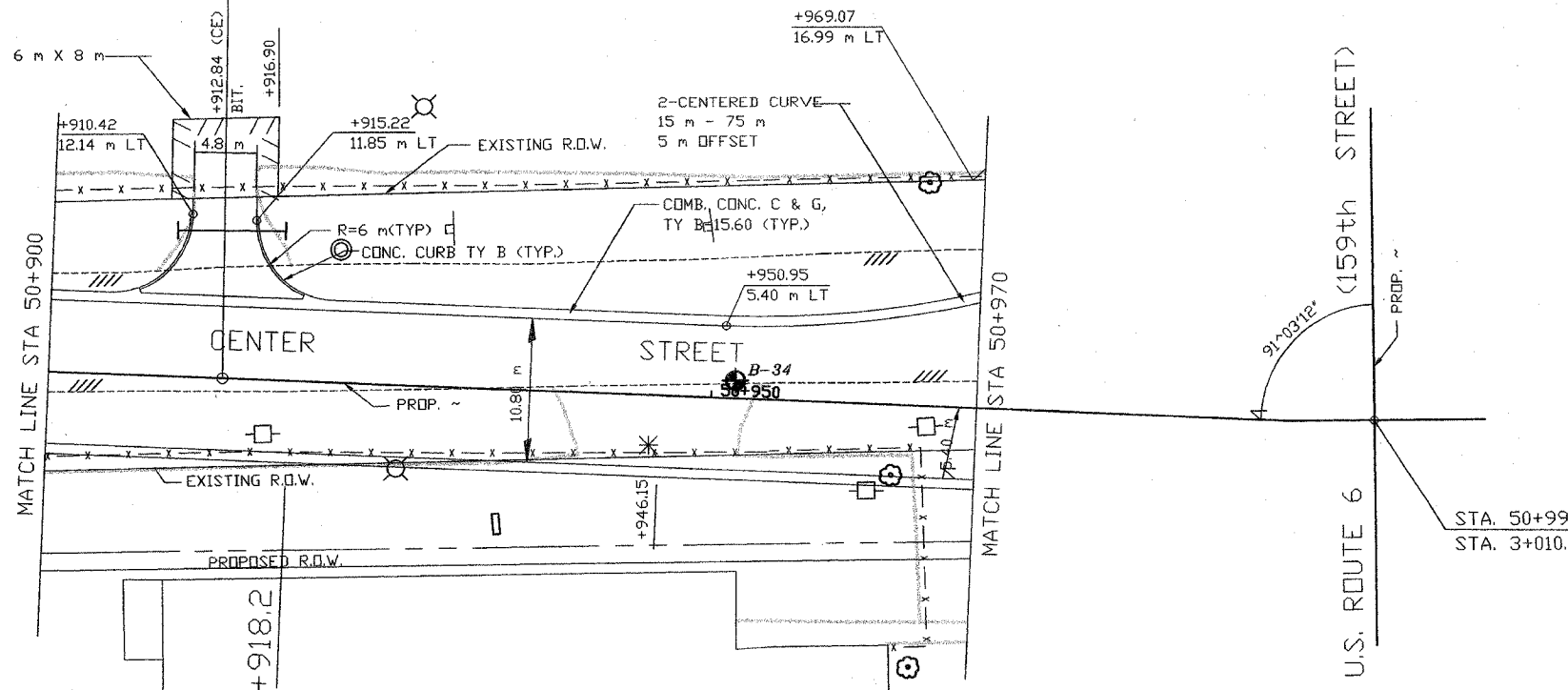
DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	116
STA. 50+900		TO STA. 50+970		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

X:\PROJECTS\32646\PROFILES\50+900_50+970.dwg
04/10/2002 13:39



- LEGEND:
- DRIVEWAY TO BE CLOSED
 - TREE TO BE REPLACED
 - TREE TO BE PROTECTED
 - REMOVAL

(Formerly Commonwealth Edison)
80.000 m V.C.
ex = 0.345
K = 23

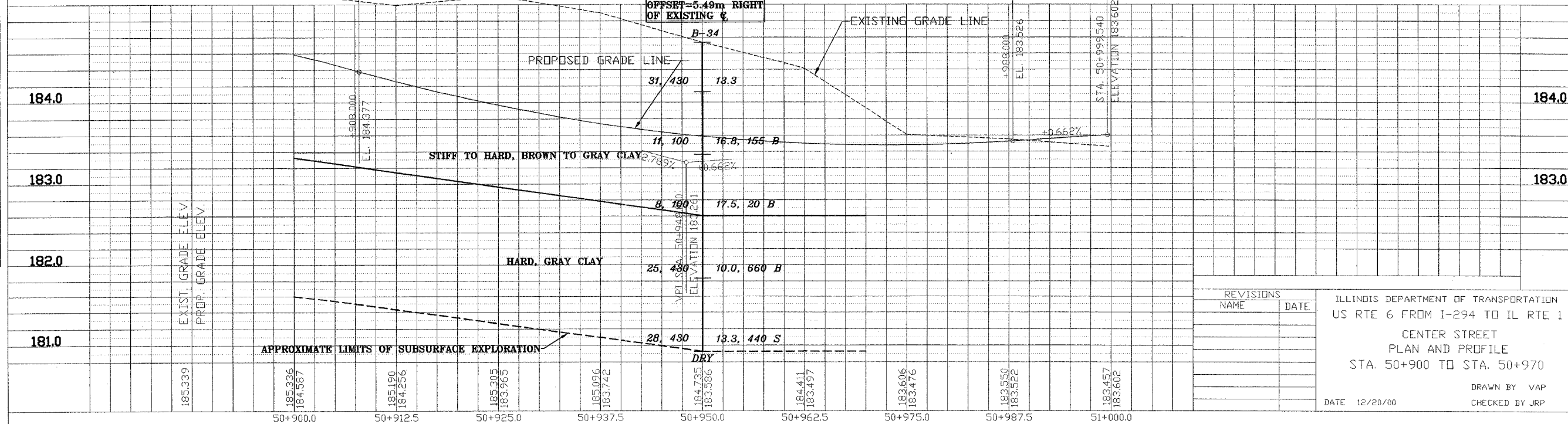
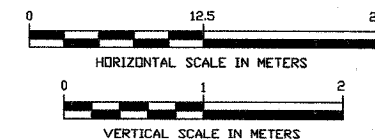
ELEV. = 184.74m
OFFSET = 5.49m RIGHT
OF EXISTING C.

LEGEND

B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (PER. 2002)

- B-43 BORING NO.
- N. Qp (kPa) 8, 175 22.1, 200 WATER CONTENT (%), Q_u (kPa)
- WATER LEVEL DURING DRILLING
- DELAYED WATER LEVEL
- DRY NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
CENTER STREET
PLAN AND PROFILE
STA. 50+900 TO STA. 50+970
DATE 12/20/00
DRAWN BY VAP
CHECKED BY JRP



STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

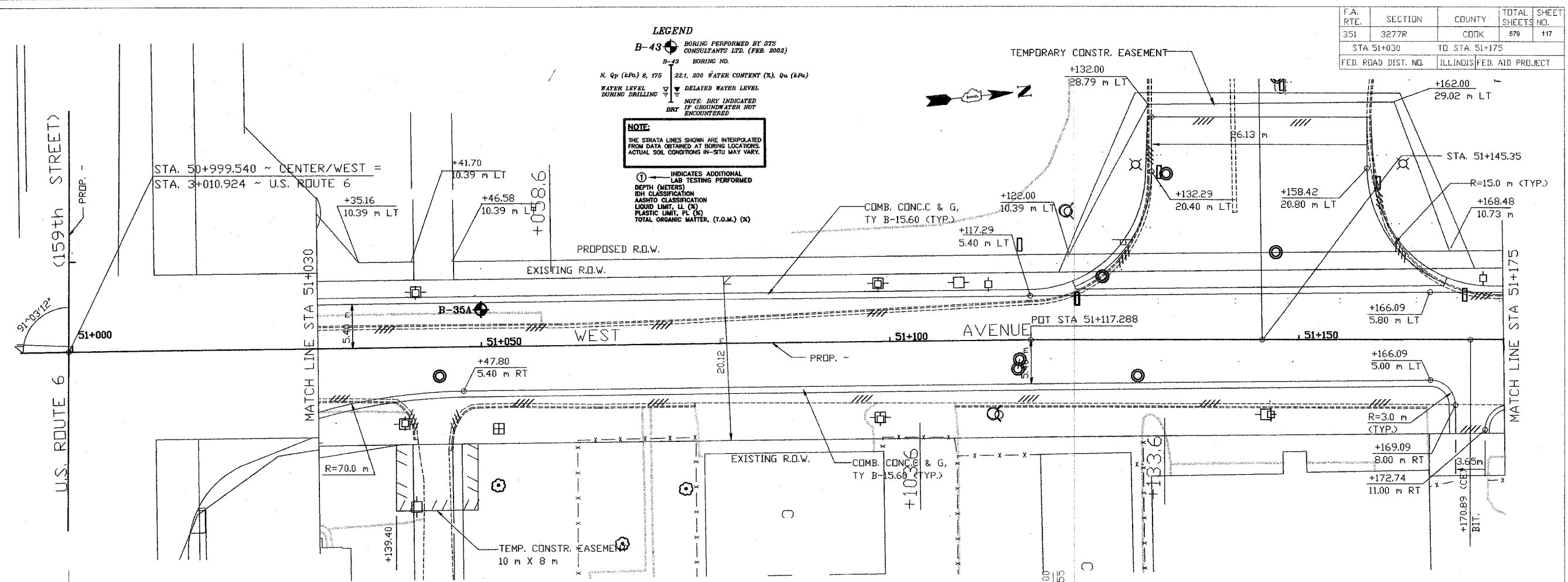
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	117
STA 51+030		TO STA. 51+175		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

- B-43 BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)
- B-43 BORING NO.
- N, Qp (kPa) 8, 175 22.1, 200 WATER CONTENT (%), Q_u (kPa)
- WATER LEVEL DURING DRILLING
- DELATED WATER LEVEL
- NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

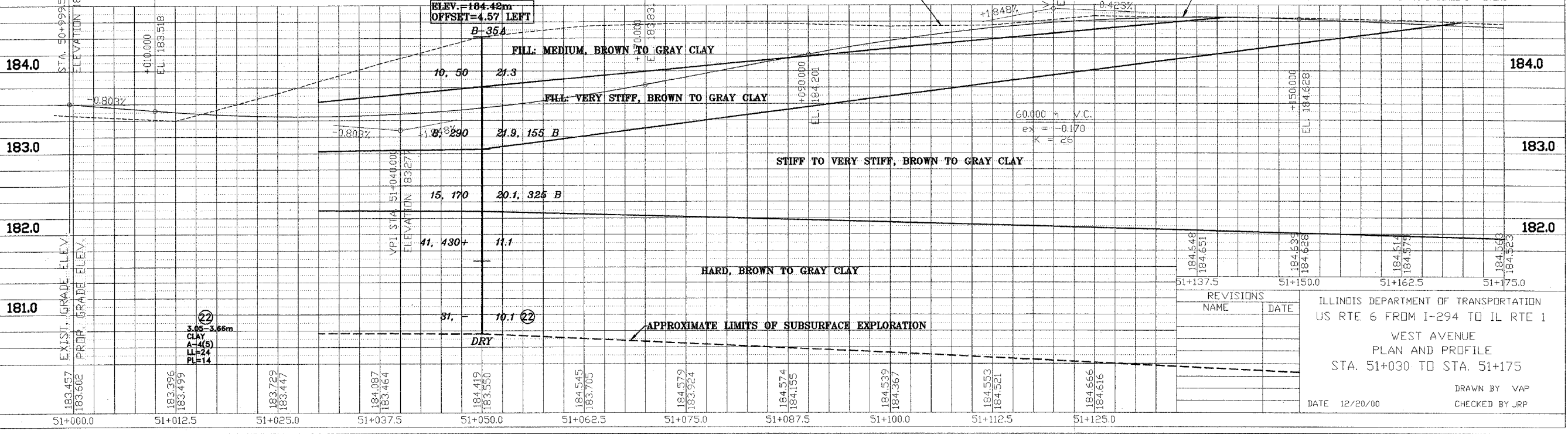
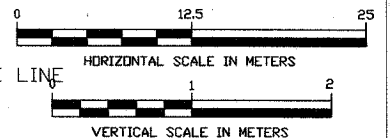
NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

- ① INDICATES ADDITIONAL LAB TESTING PERFORMED
- DEPTH (METERS)
- SOIL CLASSIFICATION
- AASHTO CLASSIFICATION
- LIQUID LIMIT, LL (%)
- PLASTIC LIMIT, PL (%)
- TOTAL ORGANIC MATTER, (T.O.M.) (X)



- LEGEND:**
- DRIVEWAY TO BE CLOSED
 - TREE TO BE REPLACED
 - TREE TO BE PROTECTED
 - REMOVAL

60.000 m V.C.
ex = 0.199
K = 23



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

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

X:\PROJECTS\32646\PROFILES\51+030_51+175.dwg
04/10/2002 13:38

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
WEST AVENUE
PLAN AND PROFILE
STA. 51+030 TO STA. 51+175
DRAWN BY VAP
CHECKED BY JRP
DATE 12/20/00



STS Consulting Engineers
 STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

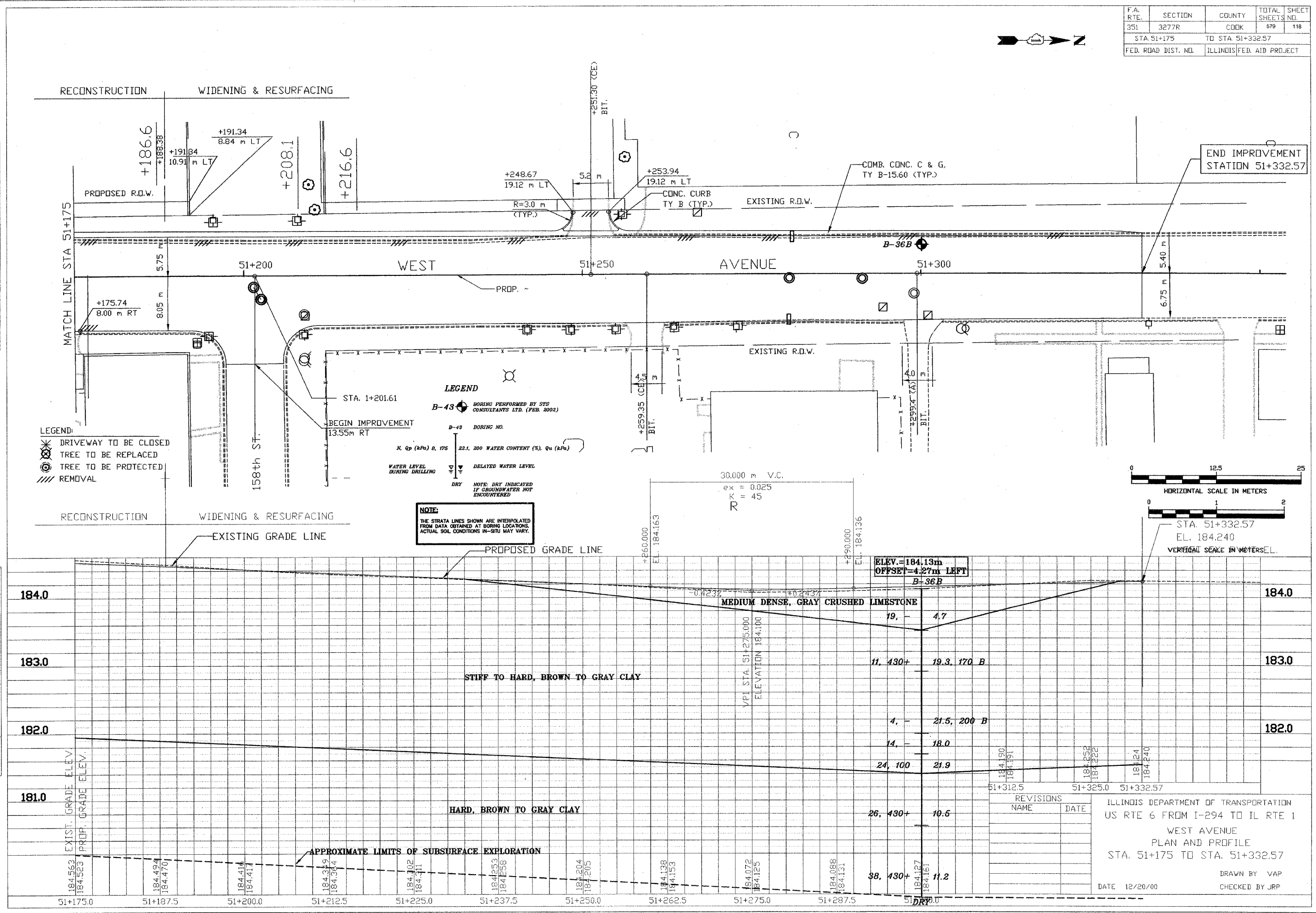
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
351	3277R	COOK	579	118
STA. 51+175		TO STA. 51+332.57		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



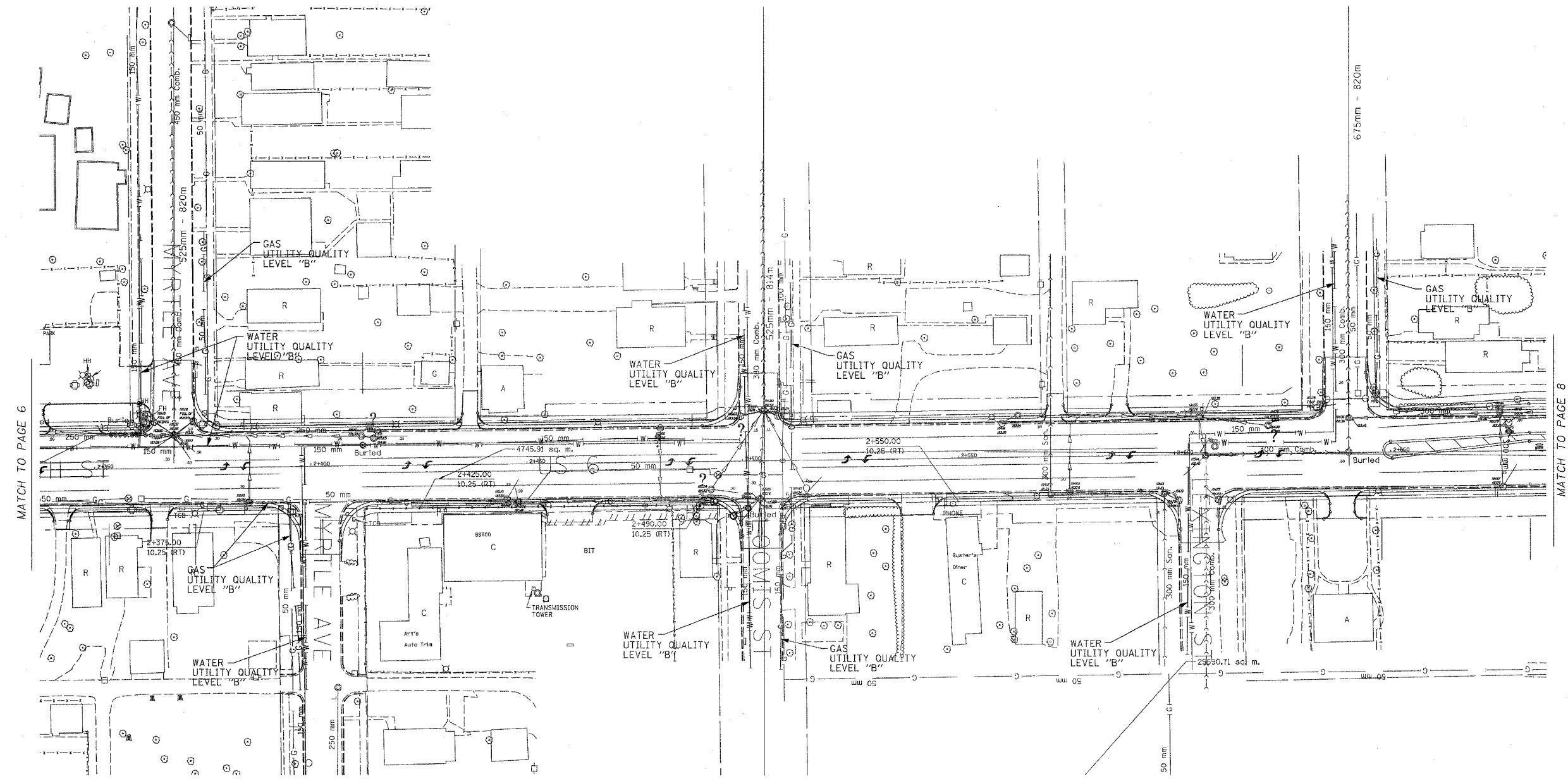
BY	DATE

BY	DATE

X:\PROJECTS\32646\PROFILES\51+175 TO 51+332.57.dwg
 04/10/2002 13:37



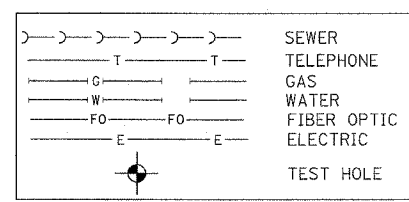
F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	Cook	579	119
STA. pg begin sta. TO STA. pg end sta.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



The SBC locations depicted have been obtained through the application of geophysical methods to determine the existence and approximate horizontal position of these facilities. However, SBC will not provide TBE Group, Inc. with utility records nor allow access to their field closures (pedestals/manholes etc.), to help verify the locations of their existing underground facilities. Therefore, TBE is unable to verify the completeness of the SBC locations depicted in accordance with the CI/ASCE Standard 38-02.

TBE GROUP
TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Project: IL09500253, 255, 259
 TBE SUE PAGE NO: 7 of 15
 Checked by: *[Signature]*
 Utility Quality Level "A": Test Holes
 Utility Quality Level "B": Designating



Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others. TBE's SUE field investigation was performed during the period 5-06-06 through 6-29-06. Changes to utilities after this date may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

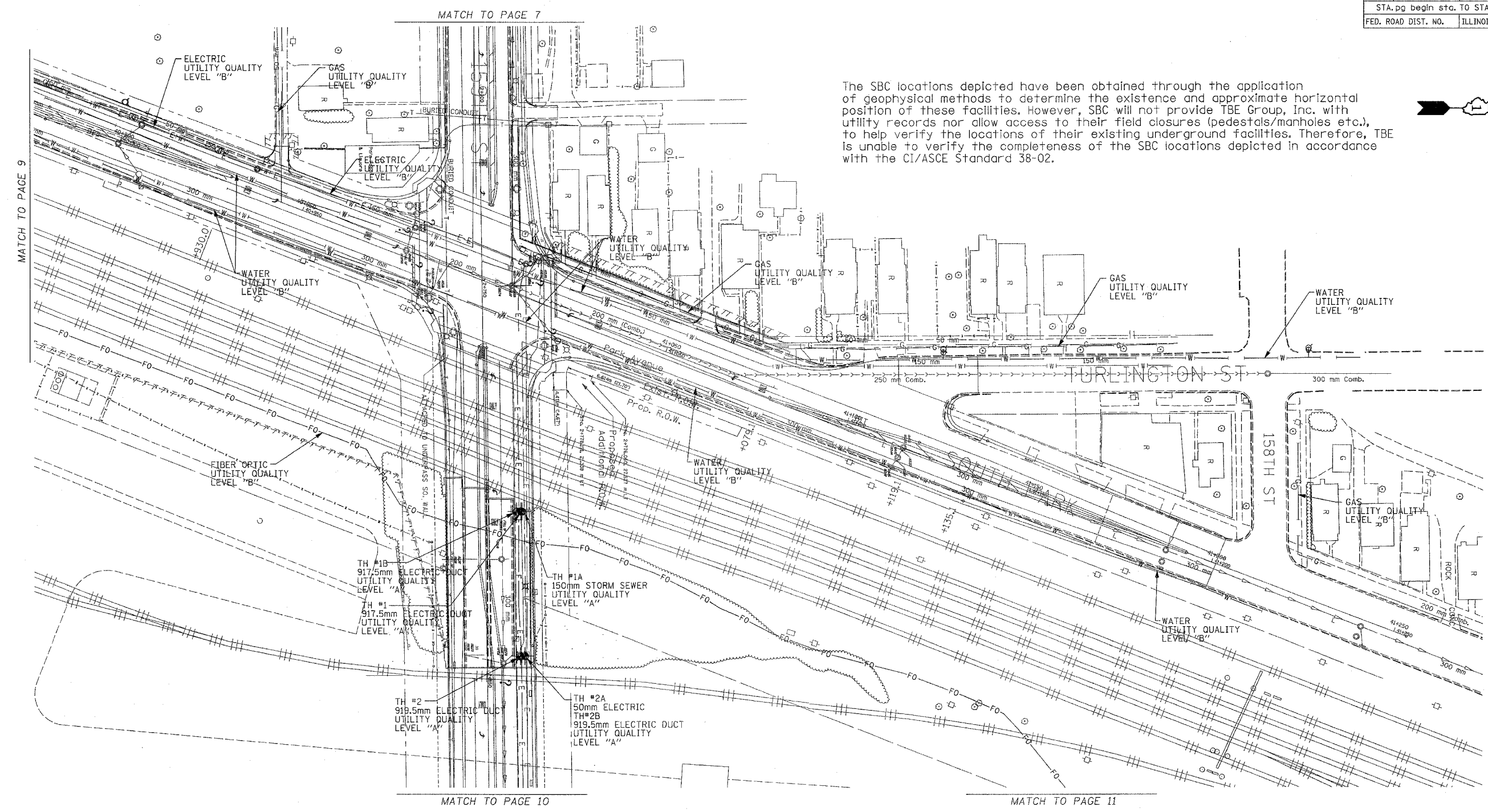
205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 US RT. 6 from I-294 to IL RT. 1
 Harvey, IL-Cook County
 Section No. 3277R
 Contract No. 60774
 DRAWN BY : KLC
 SCALE : 1:500

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	Cook	579	120
STA. pg begin sta. TO STA. pg end sta.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

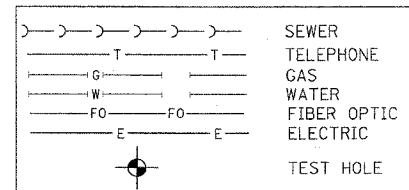
The SBC locations depicted have been obtained through the application of geophysical methods to determine the existence and approximate horizontal position of these facilities. However, SBC will not provide TBE Group, Inc. with utility records nor allow access to their field closures (pedestals/manholes etc.), to help verify the locations of their existing underground facilities. Therefore, TBE is unable to verify the completeness of the SBC locations depicted in accordance with the CI/ASCE Standard 38-02.



TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Project: IL09500253, 255, 259
 TBE SUE PAGE NO: 8 of 15
 Checked by: *[Signature]*

Utility Quality Level "A" : Test Holes
 Utility Quality Level "B" : Designating



Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others. TBE's SUE field investigation was performed during the period 3-30-06 through 6-29-06. Changes to utilities after this date may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

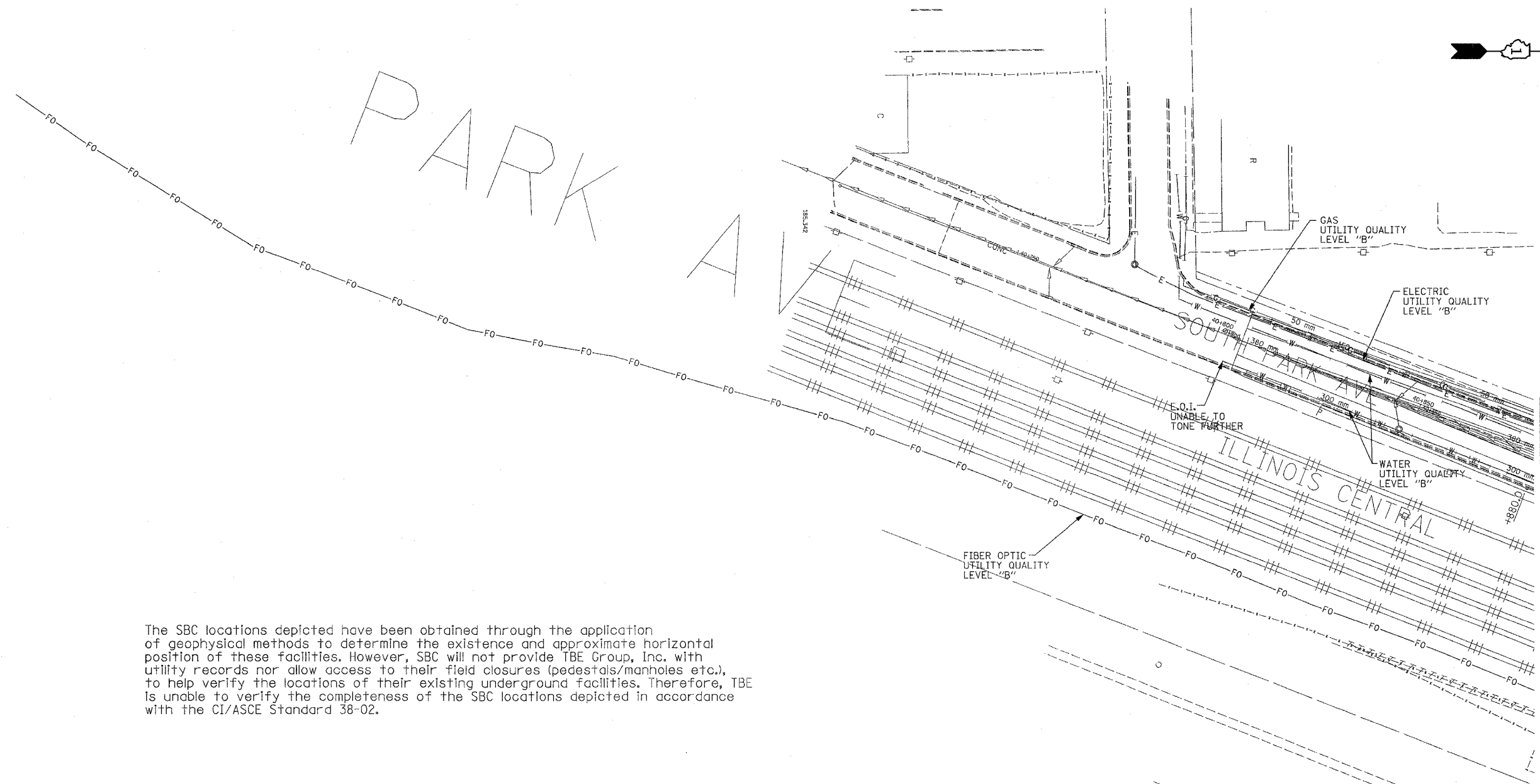
205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 US RT. 6 from I-294 to IL RT. 1
 Harvey, IL-Cook County
 Section No. 3277R
 Contract No. 60774

DRAWN BY : KLC
 SCALE : 1:1500

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	327R	Cook	579	121
STA. pg begin sta. TO STA. pg end sta.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



The SBC locations depicted have been obtained through the application of geophysical methods to determine the existence and approximate horizontal position of these facilities. However, SBC will not provide TBE Group, Inc. with utility records nor allow access to their field closures (pedestals/manholes etc.), to help verify the locations of their existing underground facilities. Therefore, TBE is unable to verify the completeness of the SBC locations depicted in accordance with the CI/ASCE Standard 38-02.



TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Project: IL09500253, 255, 259
 TBE SUE PAGE NO: 9 of 15
 Checked by: *[Signature]*

Utility Quality Level "A" : Test Holes
 Utility Quality Level "B" : Designating

	SEWER
	TELEPHONE
	GAS
	WATER
	FIBER OPTIC
	ELECTRIC
	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others. TBE's SUE field investigation was performed during the period 5-06-06 through 6-29-06. Changes to utilities after this date may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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

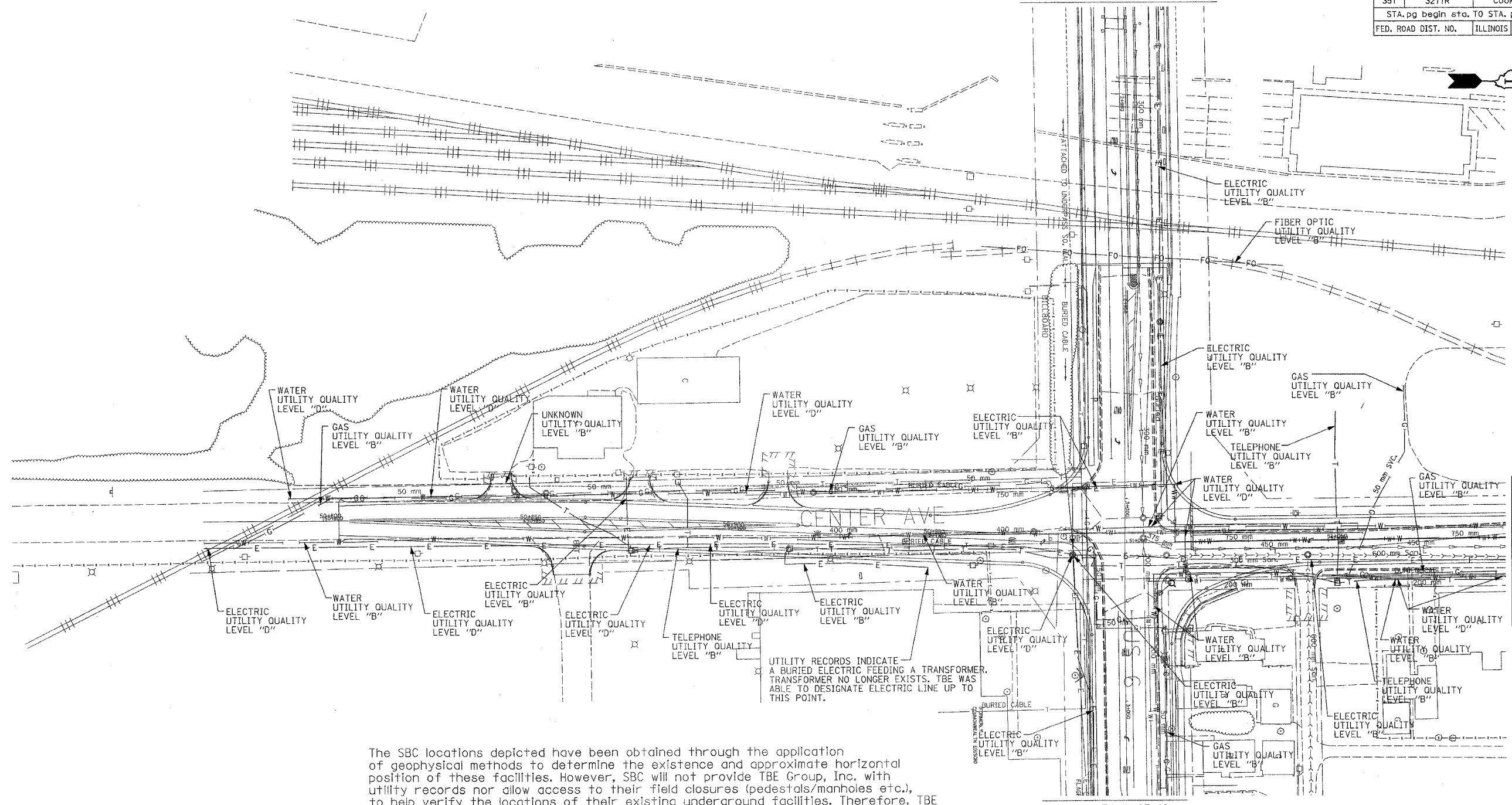
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 US RT. 6 from I-294 to IL RT. 1
 Harvey, IL-Cook County
 Section No. 327R
 Contract No. 60774
 DRAWN BY : KLC
 SCALE : 1:500

MATCH TO PAGE 8

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	Cook	579	122
STA. pg begin sta. TO STA. pg end sta.				
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

MATCH TO PAGE 8



MATCH TO PAGE 11

MATCH TO PAGE 12

The SBC locations depicted have been obtained through the application of geophysical methods to determine the existence and approximate horizontal position of these facilities. However, SBC will not provide TBE Group, Inc. with utility records nor allow access to their field closures (pedestals/manholes etc.), to help verify the locations of their existing underground facilities. Therefore, TBE is unable to verify the completeness of the SBC locations depicted in accordance with the CI/ASCE Standard 38-02.



TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Project: IL09500253, 255, 259
 TBE SUE PAGE NO: 10 of 15
 Checked by: *[Signature]*
 Utility Quality Level "A" : Test Holes
 Utility Quality Level "B" : Designating

	SEWER
	TELEPHONE
	GAS
	WATER
	FIBER OPTIC
	ELECTRIC
	UNKNOWN
	TEST HOLE

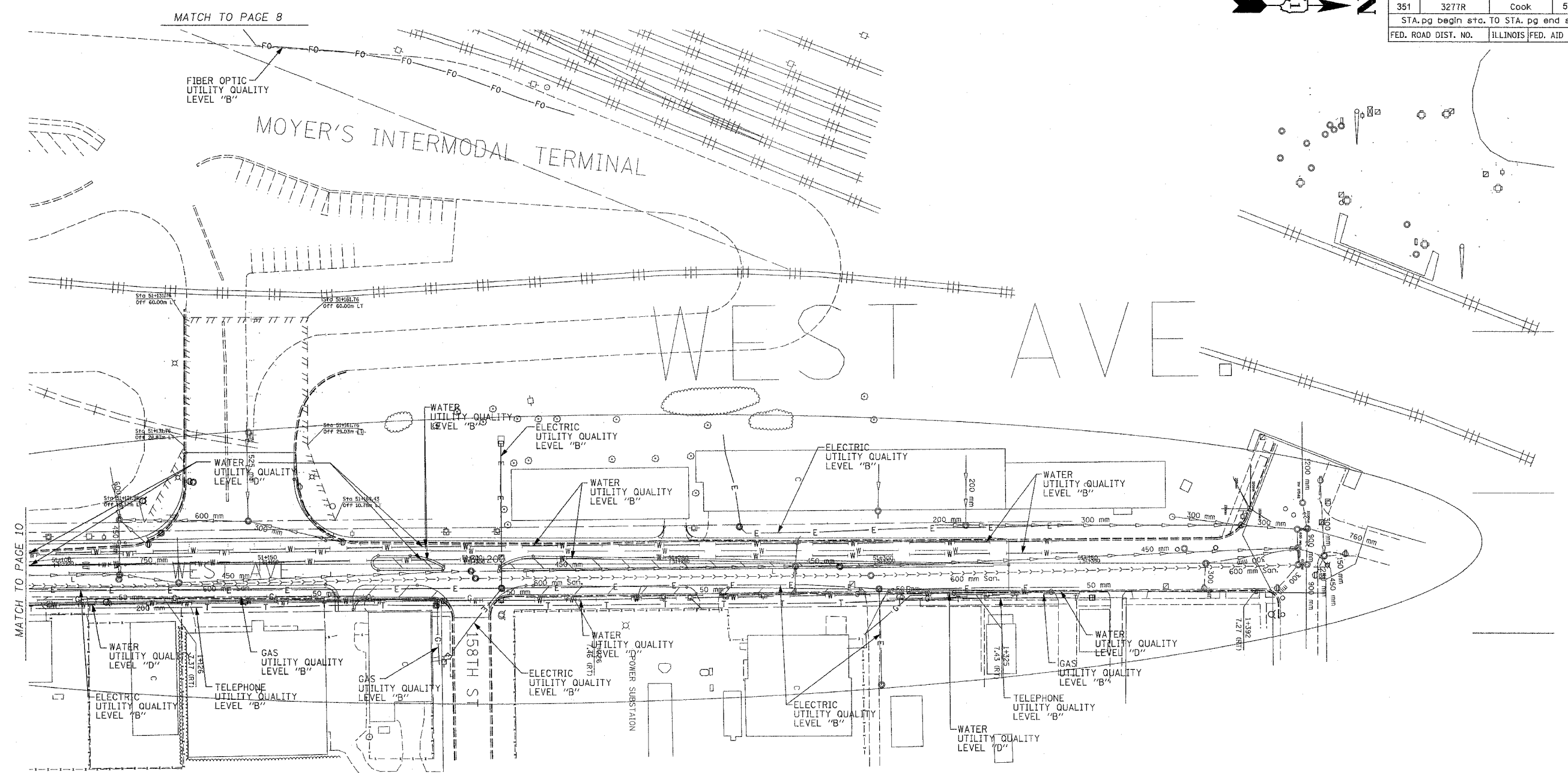
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others. TBE's SUE field investigation was performed during the period 5-06-06 through 6-29-06. Changes to utilities after this date may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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

REVISIONS	
NAME	DATE
Added FO Line 21940	12-15-06

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 US RT. 6 from I-294 to IL RT. 1
 Harvey, IL-Cook County
 Section No. 3277R
 Contract No. 60774
 DRAWN BY : KLC
 SCALE : 1:500

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	Cook	579	123
STA. pg begin sta. TO STA. pg end sta.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



The SBC locations depicted have been obtained through the application of geophysical methods to determine the existence and approximate horizontal position of these facilities. However, SBC will not provide TBE Group, Inc. with utility records nor allow access to their field closures (pedestals/manholes etc.), to help verify the locations of their existing underground facilities. Therefore, TBE is unable to verify the completeness of the SBC locations depicted in accordance with the CI/ASCE Standard 38-02.

TBE GROUP
TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Project: IL09500253, 255, 259
 TBE SUE PAGE NO: 11 of 15
 Checked by: *[Signature]*
 Utility Quality Level "A" : Test Holes
 Utility Quality Level "B" : Designating

	SEWER
	TELEPHONE
	GAS
	WATER
	FIBER OPTIC
	ELECTRIC
	TEST HOLE

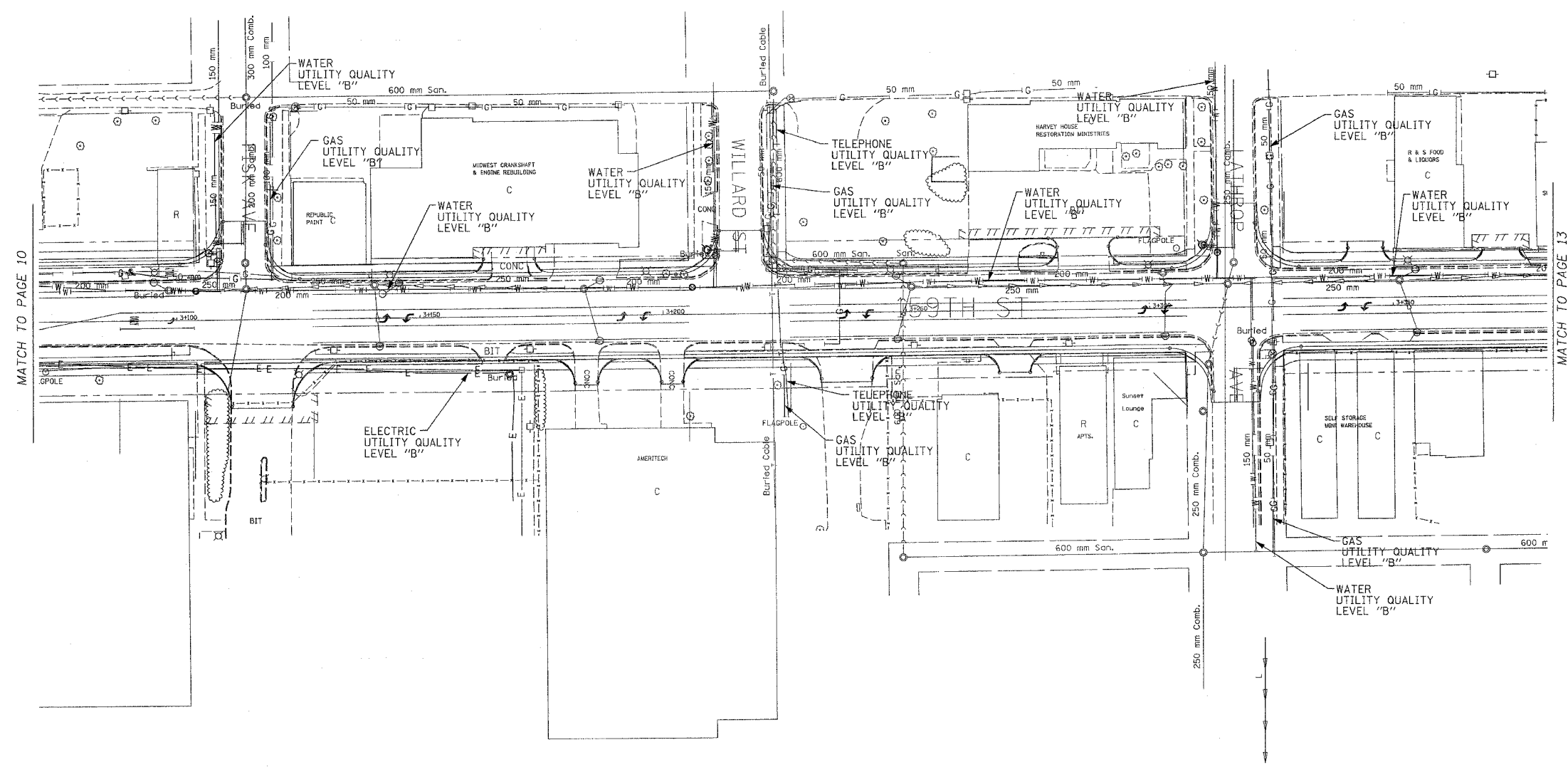
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others. TBE's SUE field investigation was performed during the period 5-06-06 through 6-29-06. Changes to utilities after this date may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan deemed advisable prior to final design and construction.

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 US RT. 6 from I-294 to IL RT. 1
 Harvey, IL-Cook County
 Section No. 3277R
 Contract No. 60774
 DRAWN BY : KLC
 SCALE : 1:500

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	Cook	579	124
STA. pg begin sta. TO STA. pg end sta.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



The SBC locations depicted have been obtained through the application of geophysical methods to determine the existence and approximate horizontal position of these facilities. However, SBC will not provide TBE Group, Inc. with utility records nor allow access to their field closures (pedestals/manholes etc.), to help verify the locations of their existing underground facilities. Therefore, TBE is unable to verify the completeness of the SBC locations depicted in accordance with the CI/ASCE Standard 38-02.



TBE GROUP, INC.
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Project: IL09500253, 255, 259
 TBE SUE PAGE NO: 12 of 15
 Checked by: *[Signature]*
 Utility Quality Level "A": Test Holes
 Utility Quality Level "B": Designating

	SEWER
	TELEPHONE
	GAS
	WATER
	FIBER OPTIC
	ELECTRIC
	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others. TBE's SUE field investigation was performed during the period 5-06-06 through 6-29-06. Changes to utilities after this date may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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

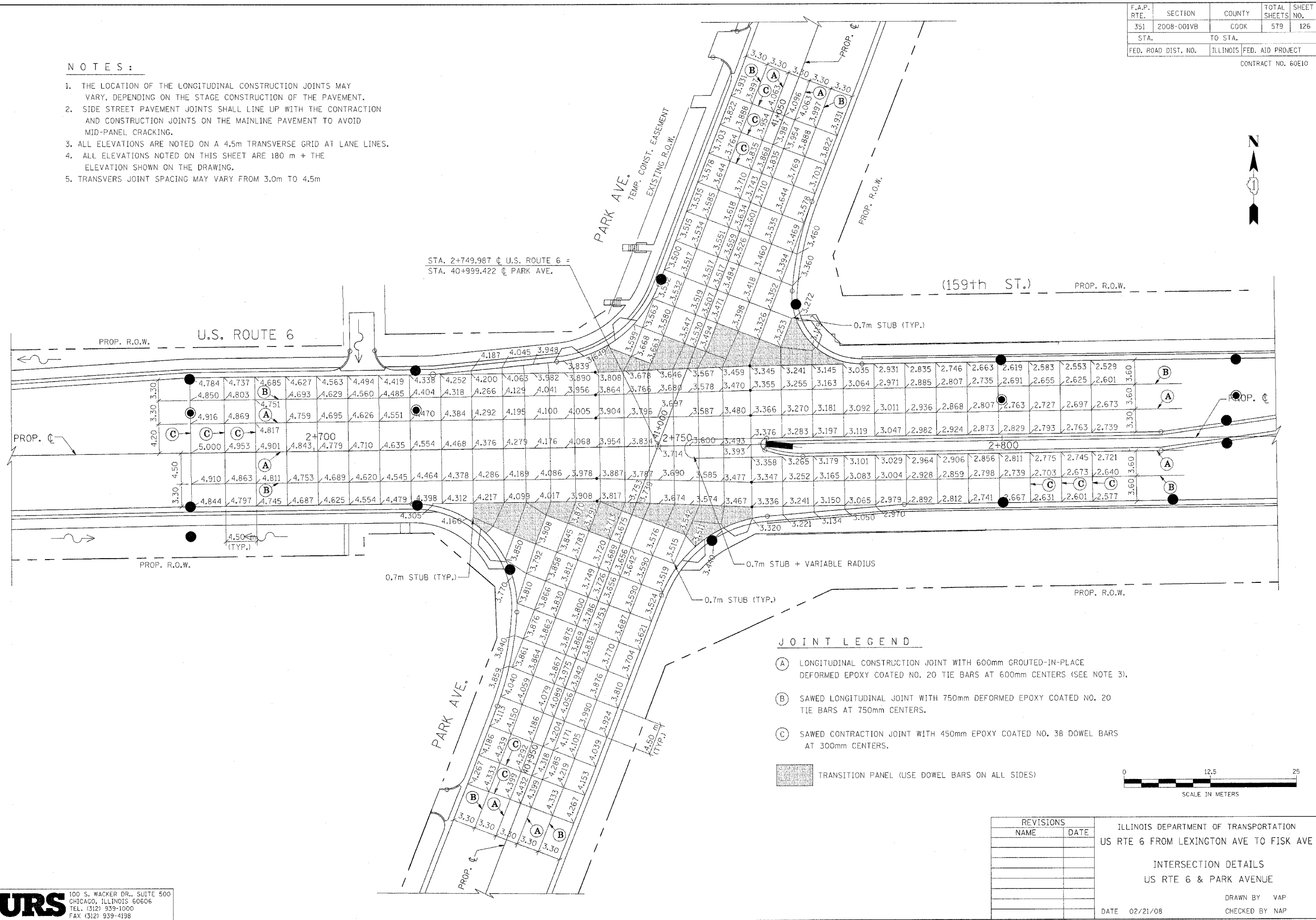
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 US RT. 6 from I-294 to IL RT. 1
 Harvey, IL-Cook County
 Section No. 3277R
 Contract No. 60774
 DRAWN BY : KLC
 SCALE : 1:500

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	126
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 60E10				

NOTES:

1. THE LOCATION OF THE LONGITUDINAL CONSTRUCTION JOINTS MAY VARY, DEPENDING ON THE STAGE CONSTRUCTION OF THE PAVEMENT.
2. SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.
3. ALL ELEVATIONS ARE NOTED ON A 4.5m TRANSVERSE GRID AT LANE LINES.
4. ALL ELEVATIONS NOTED ON THIS SHEET ARE 180 m + THE ELEVATION SHOWN ON THE DRAWING.
5. TRANSVERS JOINT SPACING MAY VARY FROM 3.0m TO 4.5m



JOINT LEGEND

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH 600mm GROUTED-IN-PLACE DEFORMED EPOXY COATED NO. 20 TIE BARS AT 600mm CENTERS (SEE NOTE 3).
- (B) SAWED LONGITUDINAL JOINT WITH 750mm DEFORMED EPOXY COATED NO. 20 TIE BARS AT 750mm CENTERS.
- (C) SAWED CONTRACTION JOINT WITH 450mm EPOXY COATED NO. 38 DOWEL BARS AT 300mm CENTERS.

TRANSITION PANEL (USE DOWEL BARS ON ALL SIDES)

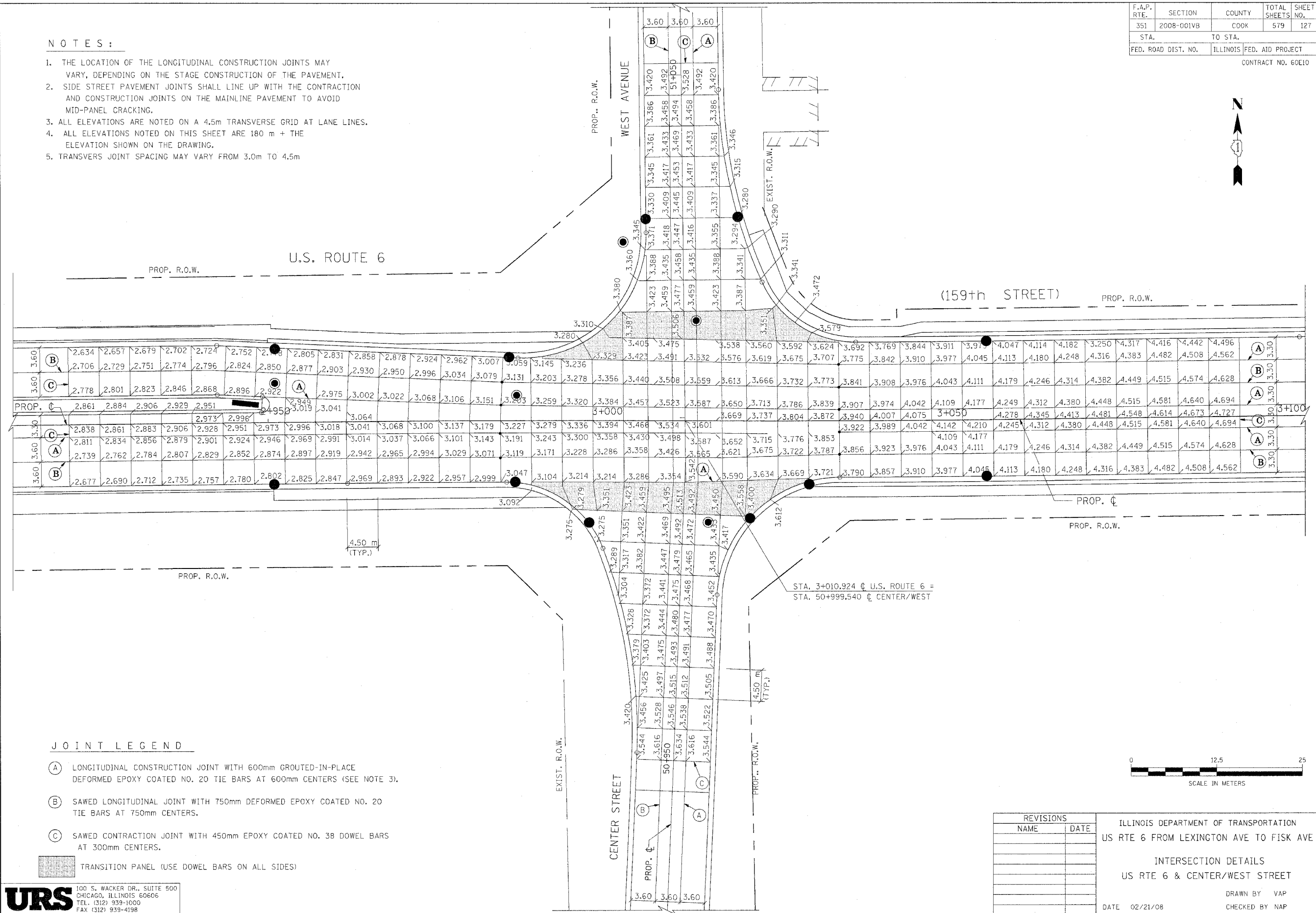
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM LEXINGTON AVE TO FISK AVE
 INTERSECTION DETAILS
 US RTE 6 & PARK AVENUE
 DATE 02/21/08
 DRAWN BY VAP
 CHECKED BY NAP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	127
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				

NOTES:

1. THE LOCATION OF THE LONGITUDINAL CONSTRUCTION JOINTS MAY VARY, DEPENDING ON THE STAGE CONSTRUCTION OF THE PAVEMENT.
2. SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.
3. ALL ELEVATIONS ARE NOTED ON A 4.5m TRANSVERSE GRID AT LANE LINES.
4. ALL ELEVATIONS NOTED ON THIS SHEET ARE 180 m + THE ELEVATION SHOWN ON THE DRAWING.
5. TRANSVERS JOINT SPACING MAY VARY FROM 3.0m TO 4.5m



JOINT LEGEND

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH 600mm GROUTED-IN-PLACE DEFORMED EPOXY COATED NO. 20 TIE BARS AT 600mm CENTERS (SEE NOTE 3).
- (B) SAWED LONGITUDINAL JOINT WITH 750mm DEFORMED EPOXY COATED NO. 20 TIE BARS AT 750mm CENTERS.
- (C) SAWED CONTRACTION JOINT WITH 450mm EPOXY COATED NO. 38 DOWEL BARS AT 300mm CENTERS.



TRANSITION PANEL (USE DOWEL BARS ON ALL SIDES)

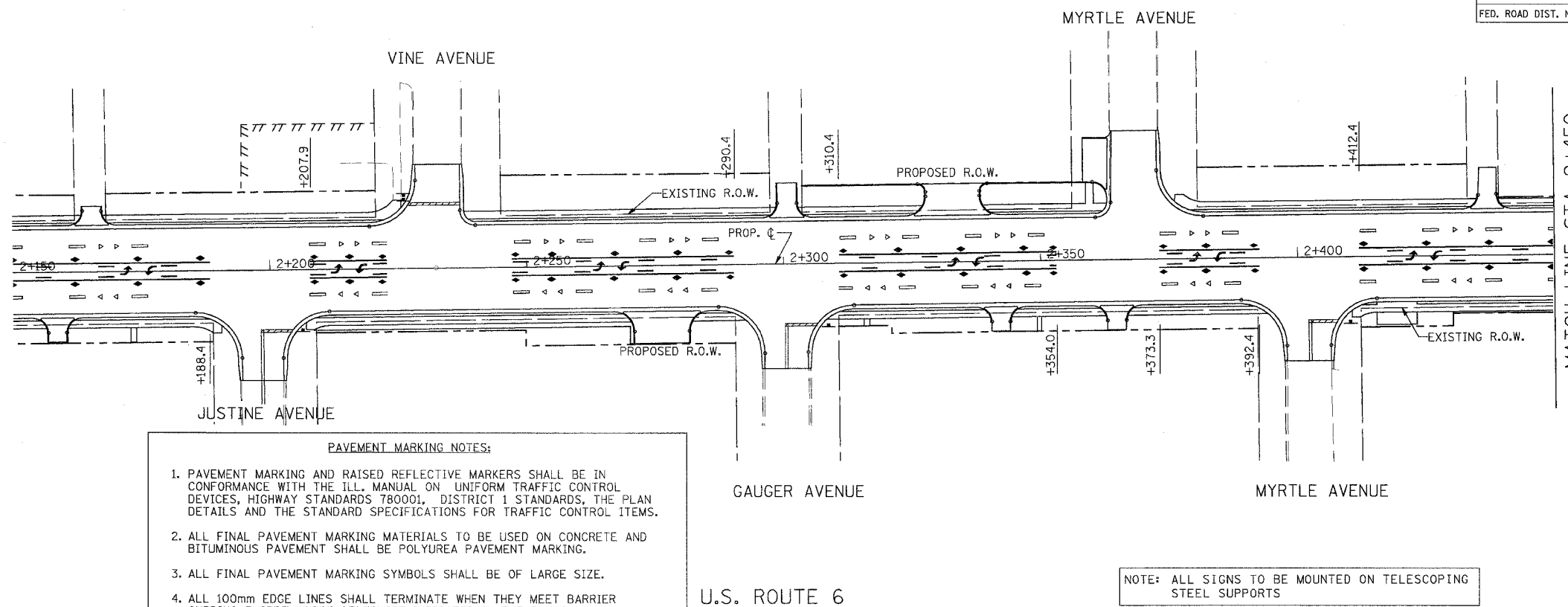
URS
 100 S. WACKER DR., SUITE 500
 CHICAGO, ILLINOIS 60606
 TEL. (312) 939-1000
 FAX (312) 939-4198

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM LEXINGTON AVE TO FISK AVE
 INTERSECTION DETAILS
 US RTE 6 & CENTER/WEST STREET
 DRAWN BY VAP
 CHECKED BY NAP
 DATE 02/21/08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	128
STA. 2+150		TO STA. 2+700		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60E10

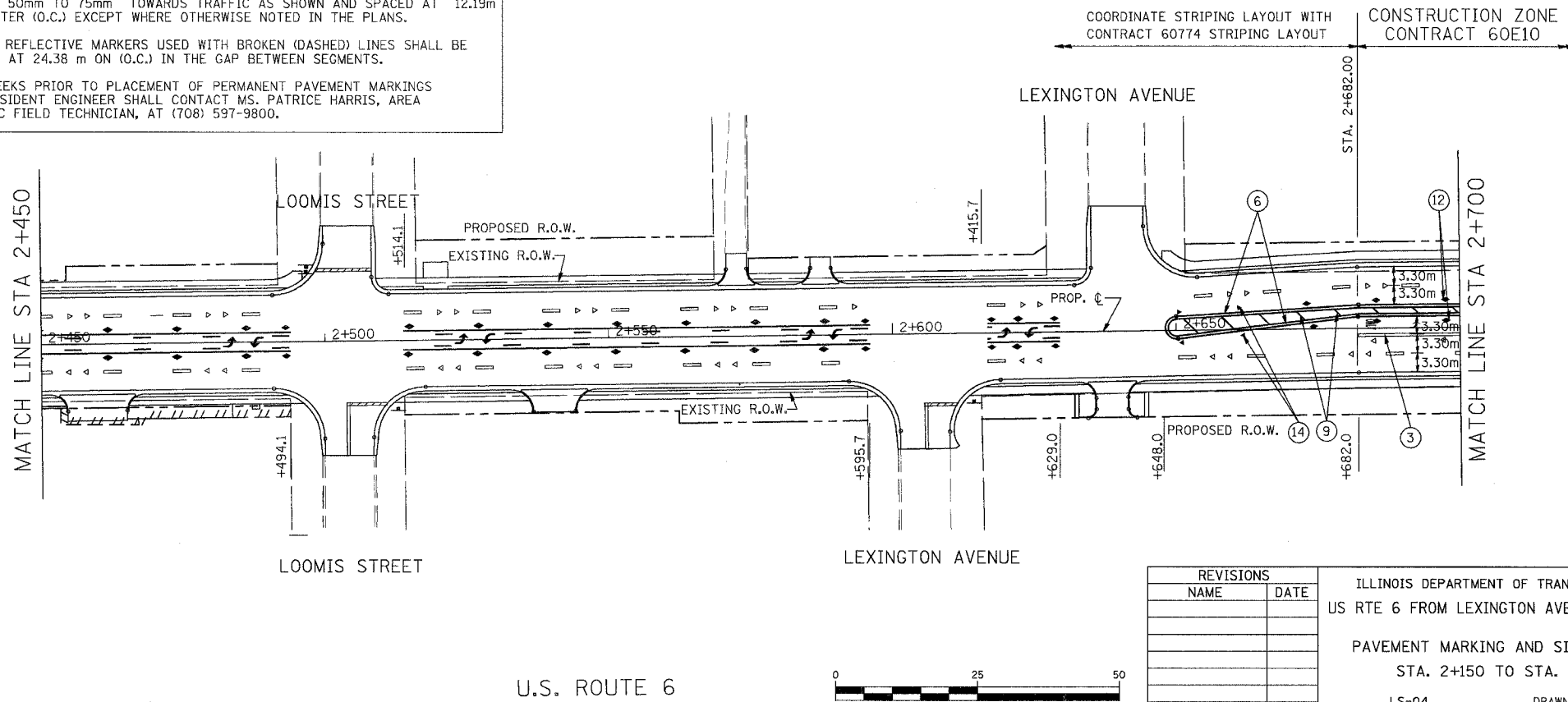


- PAVEMENT MARKING NOTES:**
1. PAVEMENT MARKING AND RAISED REFLECTIVE MARKERS SHALL BE IN CONFORMANCE WITH THE ILL. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, HIGHWAY STANDARDS 780001, DISTRICT 1 STANDARDS, THE PLAN DETAILS AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
 2. ALL FINAL PAVEMENT MARKING MATERIALS TO BE USED ON CONCRETE AND BITUMINOUS PAVEMENT SHALL BE POLYUREA PAVEMENT MARKING.
 3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF LARGE SIZE.
 4. ALL 100mm EDGE LINES SHALL TERMINATE WHEN THEY MEET BARRIER CURBING EXCEPT WHERE OTHERWISE INDICATED IN THE PLANS.
 5. RAISED REFLECTIVE MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50mm TO 75mm TOWARDS TRAFFIC AS SHOWN AND SPACED AT 12.19m ON CENTER (O.C.) EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 6. RAISED REFLECTIVE MARKERS USED WITH BROKEN (DASHED) LINES SHALL BE SPACED AT 24.38 m ON (O.C.) IN THE GAP BETWEEN SEGMENTS.
 7. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT (708) 597-9800.

NOTE: ALL SIGNS TO BE MOUNTED ON TELESCOPING STEEL SUPPORTS

LEGEND FOR PAVEMENT MARKING

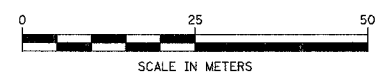
- 1 POLYUREA PAVEMENT MARKING, TYPE A - LINE 100mm (WHITE)
- 2 POLYUREA PAVEMENT MARKING, TYPE A - LINE 100mm (WHITE, 3m-DASH, 9m-SKIP)
- 3 POLYUREA PAVEMENT MARKING, TYPE A - LINE 150mm (WHITE)
- 4 POLYUREA PAVEMENT MARKING, TYPE A - LINE 300mm (WHITE)
- 5 POLYUREA PAVEMENT MARKING, TYPE A - LINE 600mm (WHITE)
- 6 POLYUREA PAVEMENT MARKING, TYPE A - LINE 100mm (YELLOW, 2-100mm @ 280 mm C/C)
- 7 POLYUREA PAVEMENT MARKING, TYPE A - LINE 100mm (YELLOW SOLID)
- 8 POLYUREA PAVEMENT MARKING, TYPE A - LINE 100 mm (YELLOW, 3 m -DASH, 9 m-SKIP)
- 9 POLYUREA PAVEMENT MARKING, TYPE A - LINE 300 mm (YELLOW)
- 10 POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS (WHITE)
- 11 RAISED REFLECTIVE PAVEMENT MARKERS, ONE WAY CRYSTAL MARKER
- 12 RAISED REFLECTIVE PAVEMENT MARKERS, TWO WAY AMBER MARKER
- 13 POLYUREA PAVEMENT MARKING, TYPE A - LINE 150 mm (WHITE, 0.6m-DASH, 1.8 m-SKIP)
- 14 RAISED REFLECTIVE PAVEMENT MARKERS, ONE WAY AMBER MARKER



COORDINATE STRIPING LAYOUT WITH CONTRACT 60774 STRIPING LAYOUT
CONSTRUCTION ZONE CONTRACT 60E10

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM LEXINGTON AVE TO FISK AVE
PAVEMENT MARKING AND SIGNING PLAN
STA. 2+150 TO STA. 2+700
LS-04
DATE 02/21/08
DRAWN BY TWR
CHECKED BY NAP



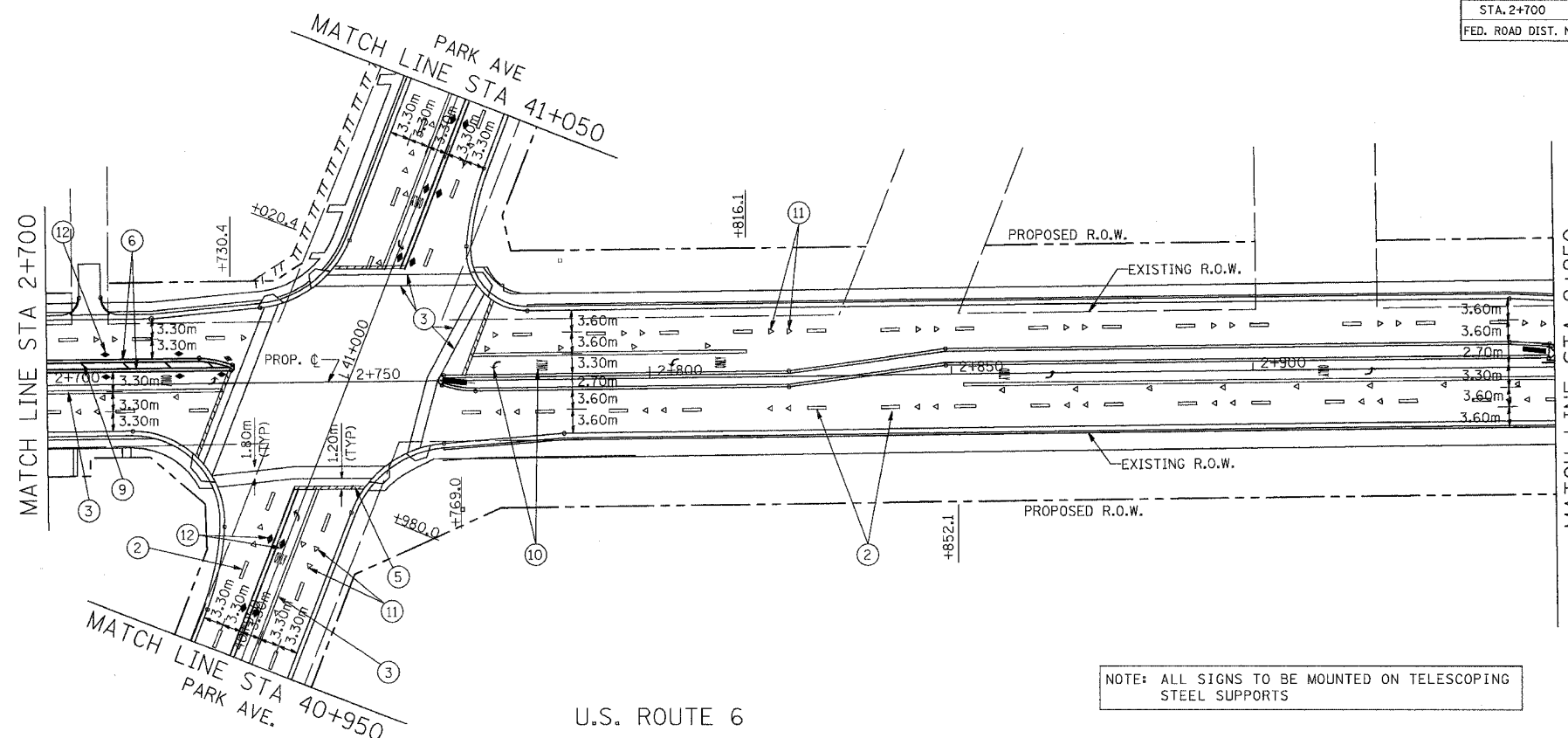
URS 100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	129
STA. 2+700		TO STA. 3+250		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				

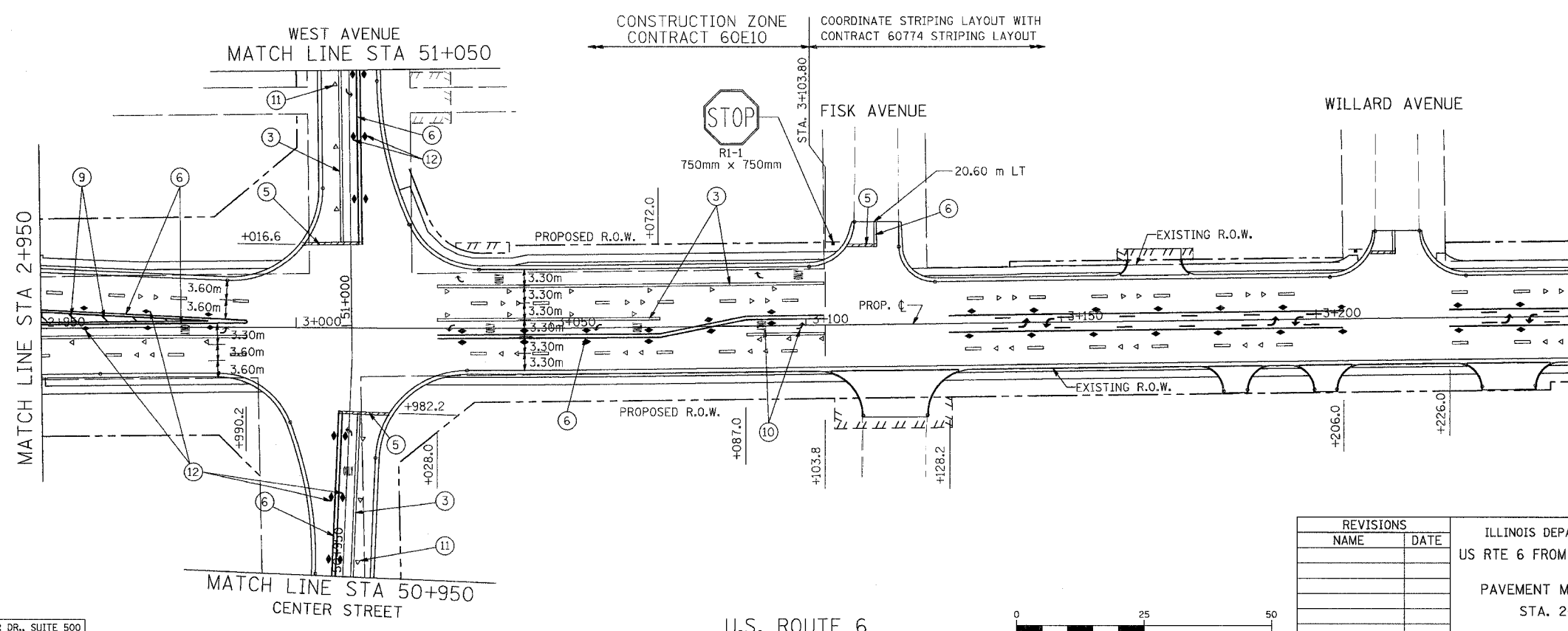
LEGEND FOR PAVEMENT MARKING

- ① POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm (WHITE)
- ② POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm
(WHITE, 3m-DASH, 9m-SKIP)
- ③ POLYUREA PAVEMENT MARKING
TYPE A - LINE 150mm (WHITE)
- ④ POLYUREA PAVEMENT MARKING
TYPE A - LINE 300mm (WHITE)
- ⑤ POLYUREA PAVEMENT MARKING
TYPE A - LINE 600mm (WHITE)
- ⑥ POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm (YELLOW, 2-100mm
ø 280 mm C/C)
- ⑦ POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm (YELLOW SOLID)
- ⑧ POLYUREA PAVEMENT MARKING
TYPE A - LINE 100 mm
(YELLOW, 3 m -DASH, 9 m-SKIP)
- ⑨ POLYUREA PAVEMENT MARKING
TYPE A - LINE 300 mm (YELLOW)
- ⑩ POLYUREA PAVEMENT MARKING
LETTERS AND SYMBOLS (WHITE)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS
ONE WAY CRYSTAL MARKER
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS
TWO WAY AMBER MARKER
- ⑬ POLYUREA PAVEMENT MARKING
TYPE A - LINE 150 mm
(WHITE, 0.6m-DASH, 1.8 m-SKIP)
- ⑭ RAISED REFLECTIVE PAVEMENT MARKERS
ONE WAY AMBER MARKER

FOR NOTES SEE DRAWING LS-04 ON SHEET 128

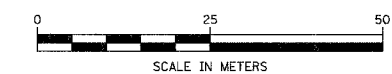


NOTE: ALL SIGNS TO BE MOUNTED ON TELESCOPING STEEL SUPPORTS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM LEXINGTON AVE TO FISK AVE
 PAVEMENT MARKING AND SIGNING PLAN
 STA. 2+700 TO STA. 3+250
 LS-05
 DATE 02/21/08
 DRAWN BY TWR
 CHECKED BY NAP

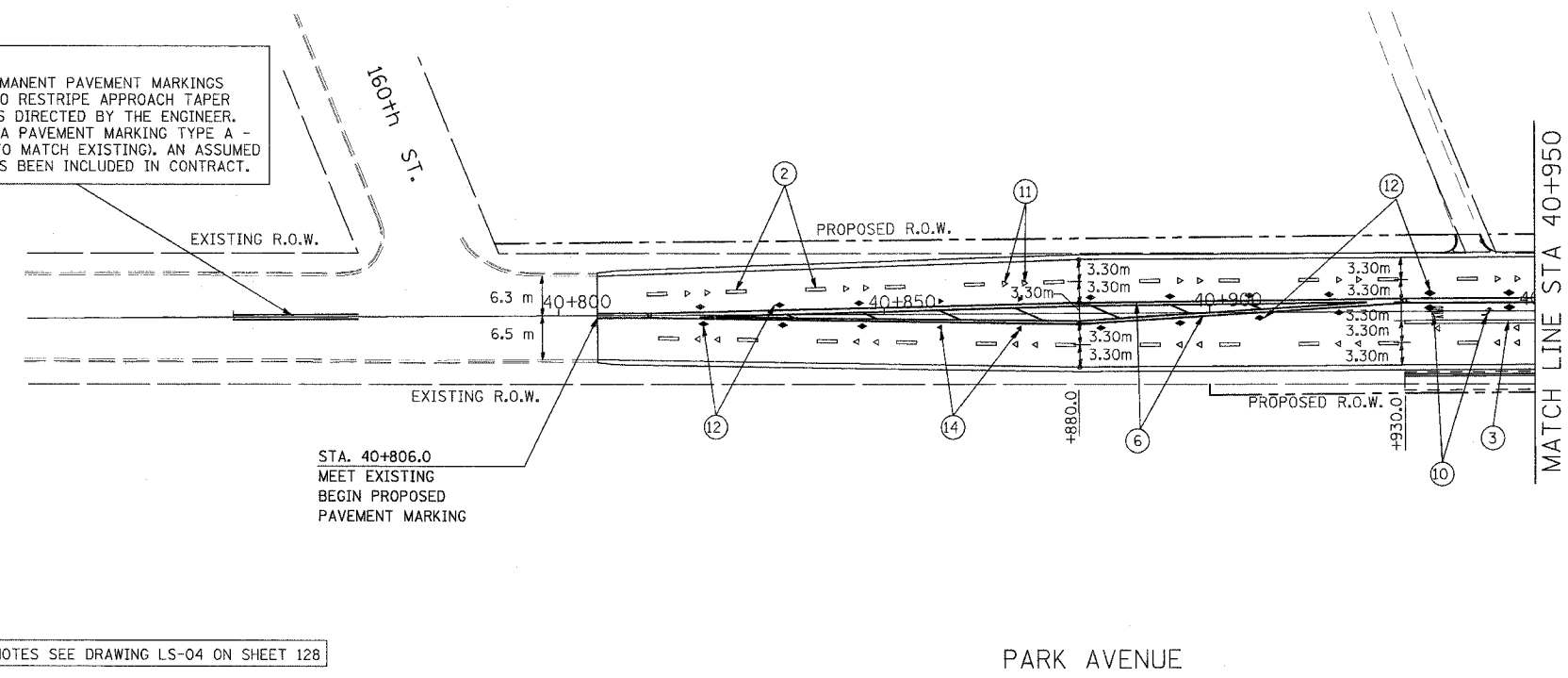


URS 100 S. WACKER DR., SUITE 500
 CHICAGO, ILLINOIS 60606
 TEL. (312) 939-1000
 FAX (312) 939-4198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	130
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60E10

NOTE:
REAPPLY PERMANENT PAVEMENT MARKINGS AS NEEDED TO RESTRIPE APPROACH TAPER ZONES, OR AS DIRECTED BY THE ENGINEER. USE POLYUREA PAVEMENT MARKING TYPE A - LINE (TYPE TO MATCH EXISTING), AN ASSUMED QUANTITY HAS BEEN INCLUDED IN CONTRACT.



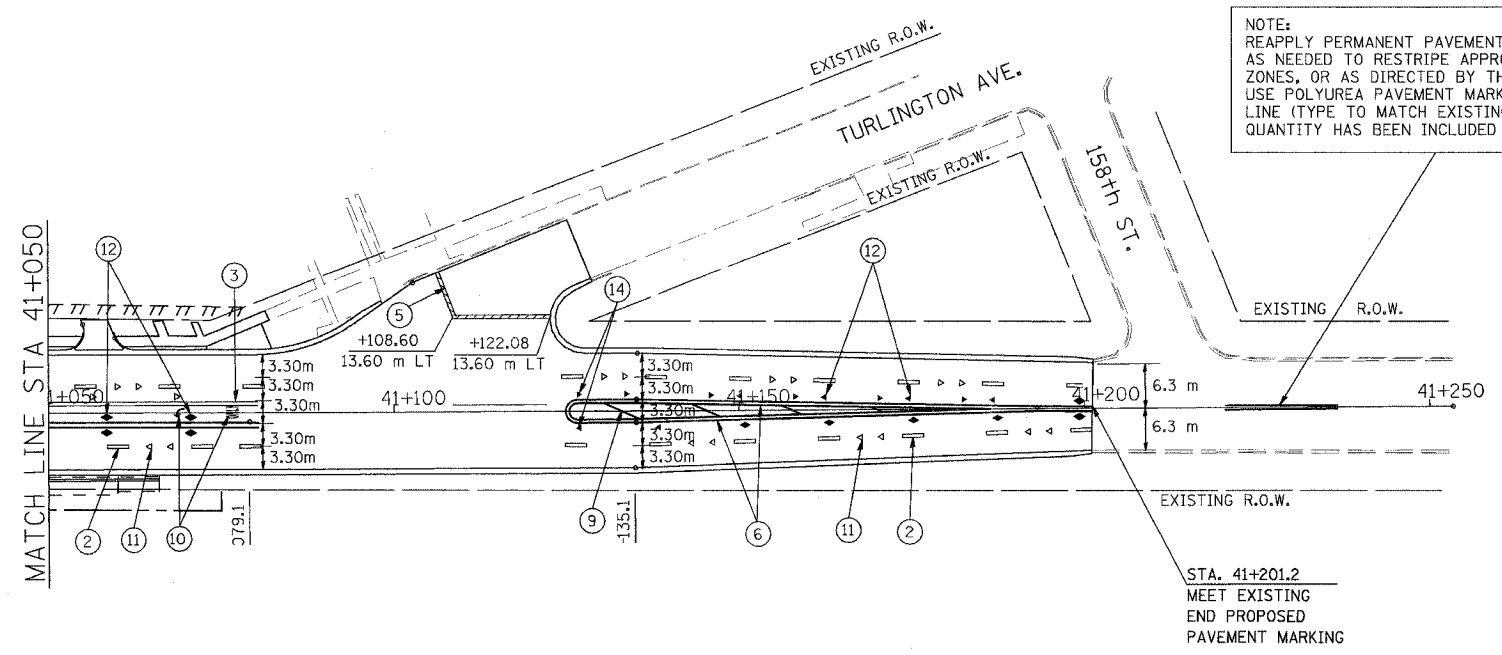
FOR NOTES SEE DRAWING LS-04 ON SHEET 128

PARK AVENUE

LEGEND FOR PAVEMENT MARKING

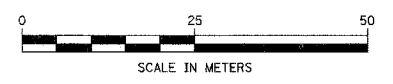
- ① POLYUREA PAVEMENT MARKING, TYPE A - LINE 100mm (WHITE)
- ② POLYUREA PAVEMENT MARKING TYPE A - LINE 100mm (WHITE, 3m-DASH, 9m-SKIP)
- ③ POLYUREA PAVEMENT MARKING TYPE A - LINE 150mm (WHITE)
- ④ POLYUREA PAVEMENT MARKING TYPE A - LINE 300mm (WHITE)
- ⑤ POLYUREA PAVEMENT MARKING TYPE A - LINE 600mm (WHITE)
- ⑥ POLYUREA PAVEMENT MARKING TYPE A - LINE 100mm (YELLOW, 2-100mm @ 280 mm C/C)
- ⑦ POLYUREA PAVEMENT MARKING TYPE A - LINE 100mm (YELLOW SOLID)
- ⑧ POLYUREA PAVEMENT MARKING TYPE A - LINE 100 mm (YELLOW, 3 m -DASH, 9 m-SKIP)
- ⑨ POLYUREA PAVEMENT MARKING TYPE A - LINE 300 mm (YELLOW)
- ⑩ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS ONE WAY CRYSTAL MARKER
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS TWO WAY AMBER MARKER
- ⑬ POLYUREA PAVEMENT MARKING TYPE A - LINE 150 mm (WHITE, 0.6m-DASH, 1.8 m-SKIP)
- ⑭ RAISED REFLECTIVE PAVEMENT MARKERS ONE WAY AMBER MARKER

NOTE:
REAPPLY PERMANENT PAVEMENT MARKINGS AS NEEDED TO RESTRIPE APPROACH TAPER ZONES, OR AS DIRECTED BY THE ENGINEER. USE POLYUREA PAVEMENT MARKING TYPE A - LINE (TYPE TO MATCH EXISTING), AN ASSUMED QUANTITY HAS BEEN INCLUDED IN CONTRACT.



STA. 41+201.2
MEET EXISTING
END PROPOSED
PAVEMENT MARKING

PARK AVENUE



REVISIONS	
NAME	DATE

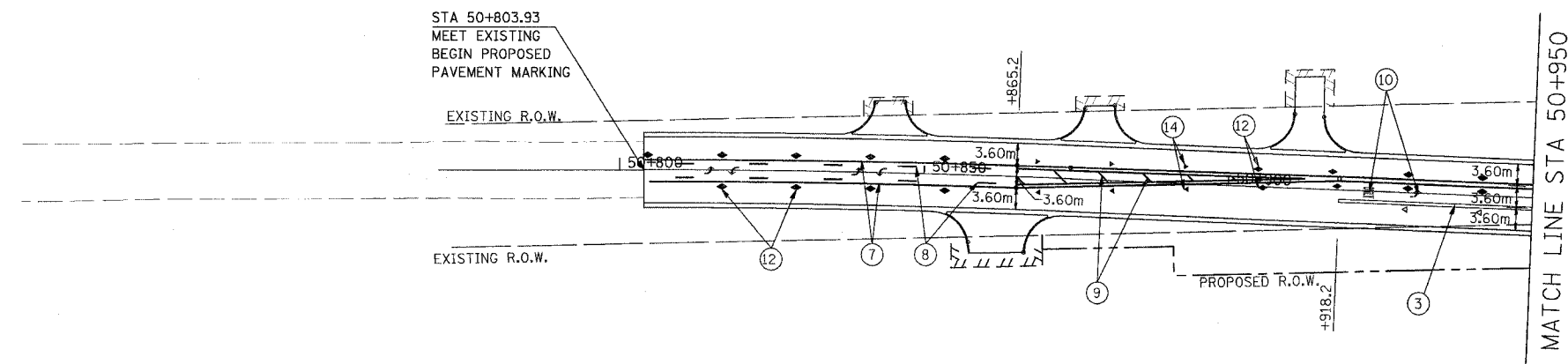
ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM LEXINGTON AVE TO FISK AVE

PAVEMENT MARKING AND SIGNING PLAN
PARK AVENUE

LS-10
DATE 02/21/08
DRAWN BY TWR
CHECKED BY NAP

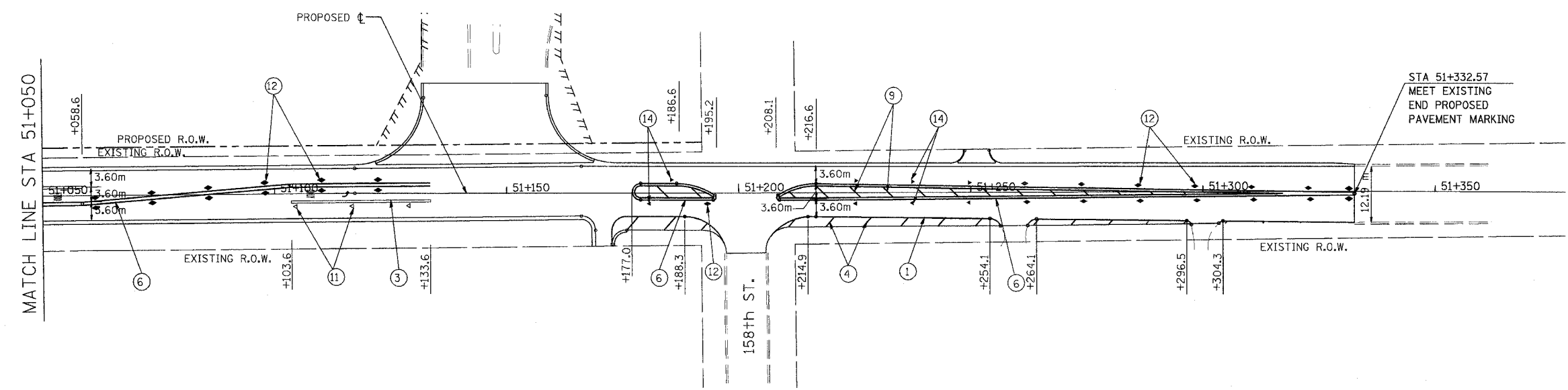
URS
100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	131
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				



FOR NOTES SEE DRAWING LS-04 ON SHEET 128

CENTER STREET

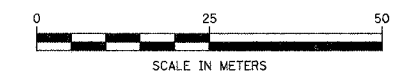


LEGEND FOR PAVEMENT MARKING

- | | |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ① POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm (WHITE) | ⑧ POLYUREA PAVEMENT MARKING
TYPE A - LINE 100 mm
(YELLOW, 3 m -DASH, 9 m-SKIP) |
| ② POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm
(WHITE, 3m-DASH, 9m-SKIP) | ⑨ POLYUREA PAVEMENT MARKING
TYPE A - LINE 300 mm (YELLOW) |
| ③ POLYUREA PAVEMENT MARKING
TYPE A - LINE 150mm (WHITE) | ⑩ POLYUREA PAVEMENT MARKING
LETTERS AND SYMBOLS (WHITE) |
| ④ POLYUREA PAVEMENT MARKING
TYPE A - LINE 300mm (WHITE) | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS
ONE WAY CRYSTAL MARKER |
| ⑤ POLYUREA PAVEMENT MARKING
TYPE A - LINE 600mm (WHITE) | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS
TWO WAY AMBER MARKER |
| ⑥ POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm (YELLOW, 2-100mm
ø 280 mm C/C) | ⑬ POLYUREA PAVEMENT MARKING
TYPE A - LINE 150 mm
(WHITE, 0.6m-DASH, 1.8 m-SKIP) |
| ⑦ POLYUREA PAVEMENT MARKING
TYPE A - LINE 100mm (YELLOW SOLID) | ⑭ RAISED REFLECTIVE PAVEMENT MARKERS
ONE WAY AMBER MARKER |

NOTE: ALL SIGNS TO BE MOUNTED ON TELESCOPING STEEL SUPPORTS

WEST AVENUE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM LEXINGTON AVE TO FISK AVE
PAVEMENT MARKING AND SIGNING PLAN
CENTER ST. AND WEST AVE.
LS-11
DATE 02/21/08
DRAWN BY TWR
CHECKED BY NAP

URS 100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	132
STA.	TO STA. 2+700			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60E10



EROSION CONTROL AND LANDSCAPING NOTES

ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR10.

EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.

SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE IN PLACE AND FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.

ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. AREAS THAT HAVE BEEN STRIPPED AND WILL NOT RECEIVE PERMANENT LANDSCAPING BEFORE THE END OF THE FALL SEEDING RESTRICTIONS SHALL RECEIVE "TEMPORARY EROSION CONTROL SEEDING".

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.

WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.

GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY OR SOONER AS NEEDED.

EROSION CONTROL MEASURES WILL BE INSPECTED BY THE ENGINEER PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2-INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS.

ALL CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.

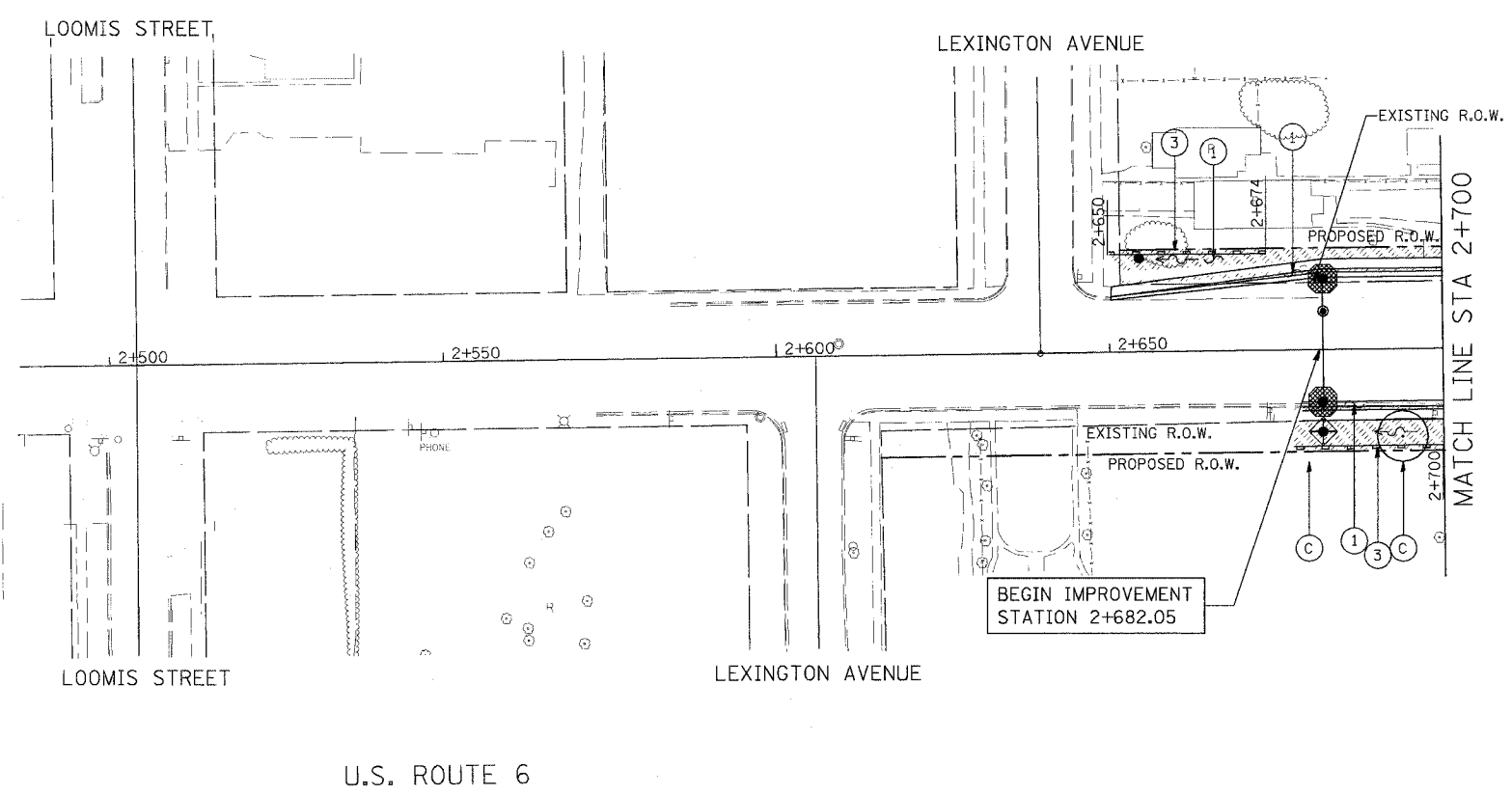
THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1, AND FROM AUGUST 15 TO SEPTEMBER 30.

TREE LEGEND

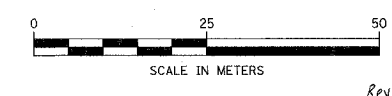
- (A) AUTUMN BLAZE MAPLE
- (B) AUTUMN PURPLE ASH
- (C) SKYLINE HONEYLOCUST
- (D) KENTUCKY COFFEETREE
- (E) GREENSPIRE LINDEN
- (F) RED JEWEL CRABAPPLE
- (G) CHANTICLEER PEAR

LEGEND

- (1) SODDING, SALT TOLERANT
- (2) SEEDING, CLASS 2A
- (3) PERIMETER EROSION BARRIER
- INLET & PIPE PROTECTION
- INLET FILTER

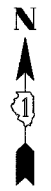


URS 100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198



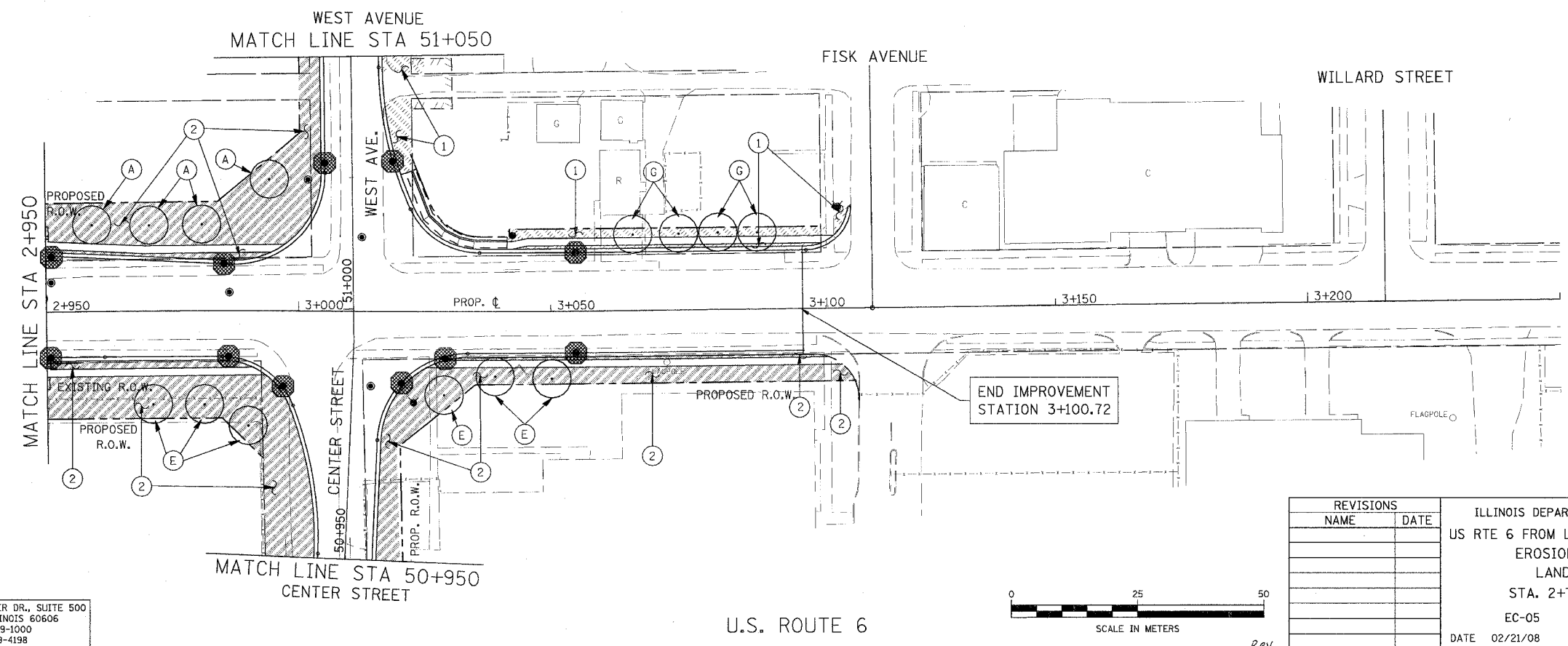
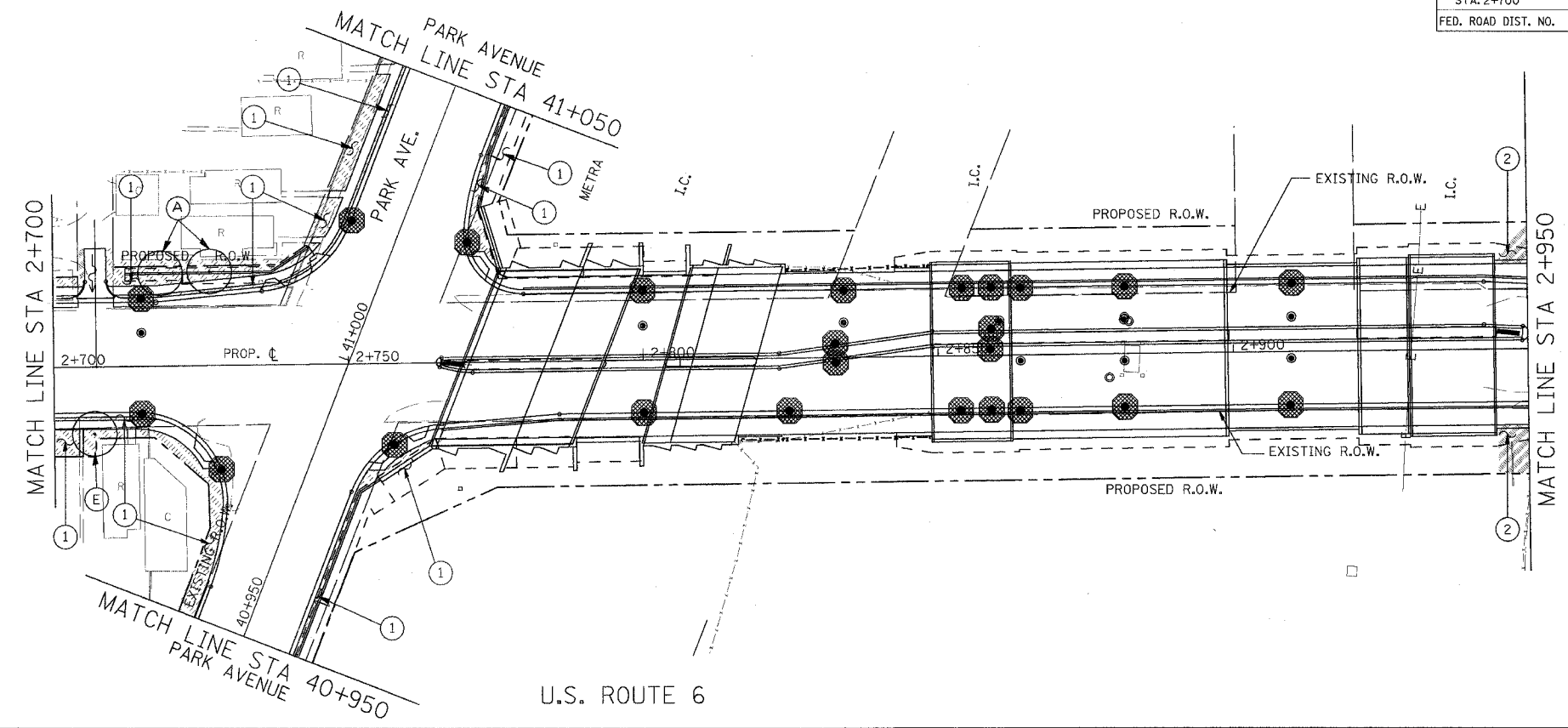
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION US RTE 6 FROM LEXINGTON AVE TO FISK AVE EROSION CONTROL AND LANDSCAPING PLAN STA. 2+150 TO STA. 2+700
NAME	DATE	
		EC-04
		DATE 02/21/08
		DRAWN BY VAP
		CHECKED BY NAP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	133
STA. 2+700		TO STA. 3+250		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				

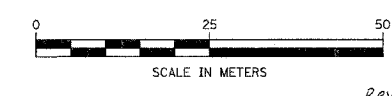


- TREE LEGEND**
- (A) AUTUMN BLAZE MAPLE
 - (B) AUTUMN PURPLE ASH
 - (C) SKYLINE HONEYLOCUST
 - (D) KENTUCKY COFFEETREE
 - (E) GREENSPIRE LINDEN
 - (F) RED JEWEL CRABAPPLE
 - (G) CHANTICLEER PEAR

- LEGEND**
- (1) [Hatched Box] SODDING, SALT TOLERANT
 - (2) [Diagonal Hatched Box] SEEDING, CLASS 2A
 - (3) [Dashed Line] PERIMETER EROSION BARRIER
 - [Diamond with X] INLET & PIPE PROTECTION
 - [Circle with X] INLET FILTER



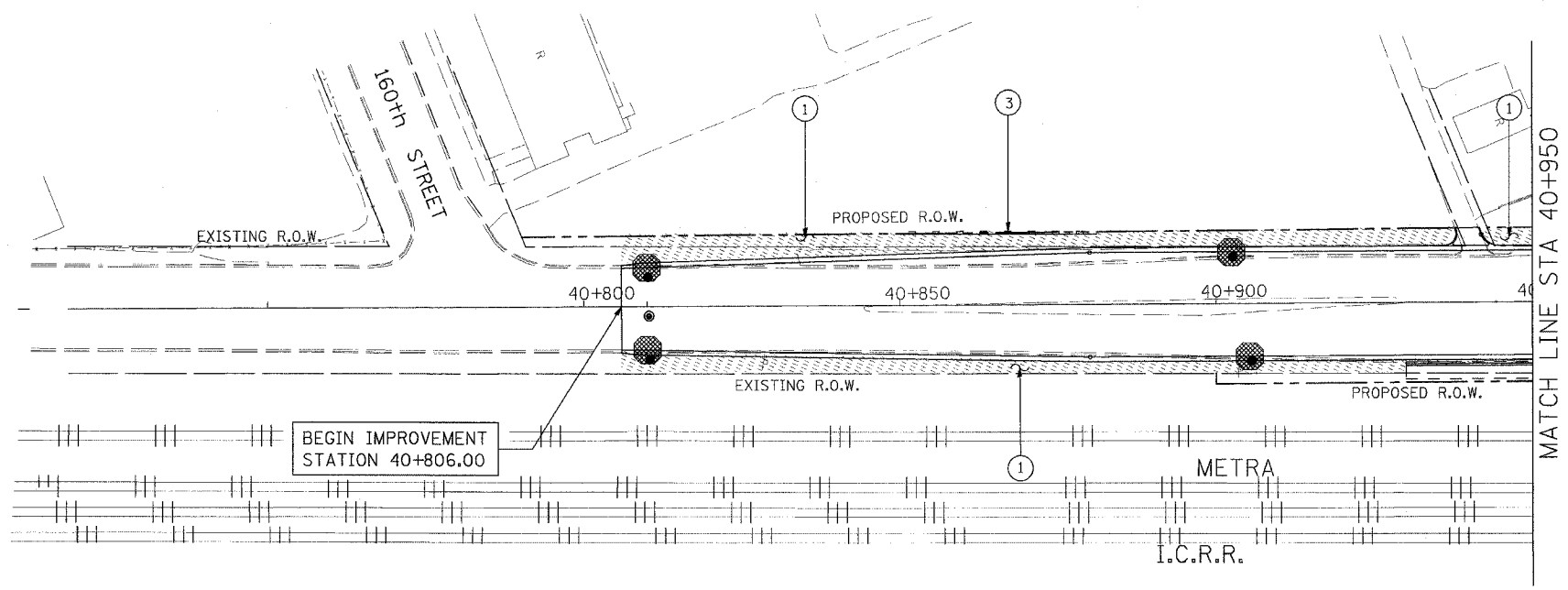
URS
 100 S. WACKER DR., SUITE 500
 CHICAGO, ILLINOIS 60606
 TEL. (312) 939-1000
 FAX (312) 939-4198



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM LEXINGTON AVE TO FISK AVE
 EROSION CONTROL AND
 LANDSCAPING PLAN
 STA. 2+700 TO STA. 3+250
 EC-05
 DATE 02/21/08
 DRAWN BY VAP
 CHECKED BY NAP

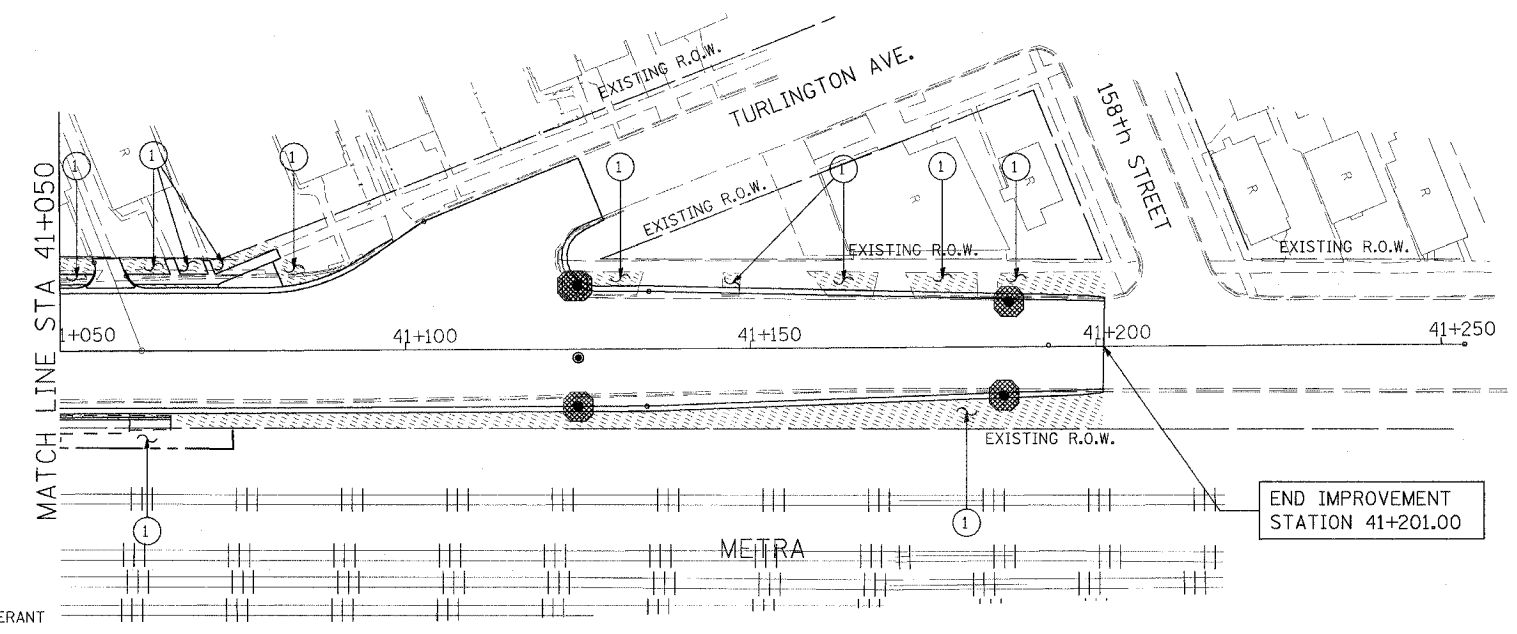
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	134
STA. 40+805.973		TO STA. 41+201.146		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				



PARK AVENUE

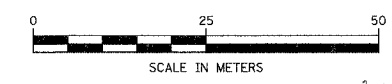
- TREE LEGEND**
- (A) AUTUMN BLAZE MAPLE
 - (B) AUTUMN PURPLE ASH
 - (C) SKYLINE HONEYLOCUST
 - (D) KENTUCKY COFFEETREE
 - (E) GREENSPIRE LINDEN
 - (F) RED JEWEL CRABAPPLE
 - (G) CHANTICLEER PEAR

- LEGEND**
- (1) [Hatched Box] SODDING, SALT TOLERANT
 - (2) [Diagonal Lines] SEEDING, CLASS 2A
 - (3) [Dashed Line] PERIMETER EROSION BARRIER
 - [Diamond with X] INLET & PIPE PROTECTION
 - [Circle with Dot] INLET FILTER



PARK AVENUE

URS
 100 S. WACKER DR., SUITE 500
 CHICAGO, ILLINOIS 60606
 TEL. (312) 939-1000
 FAX (312) 939-4198



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM LEXINGTON AVE TO FISK AVE
 EROSION CONTROL AND
 LANDSCAPING PLAN
 PARK AVENUE
 EC-10
 DATE 02/21/08
 DRAWN BY VAP
 CHECKED BY NAP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	135
STA. 50+803.93		TO STA. 51+332.57		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				

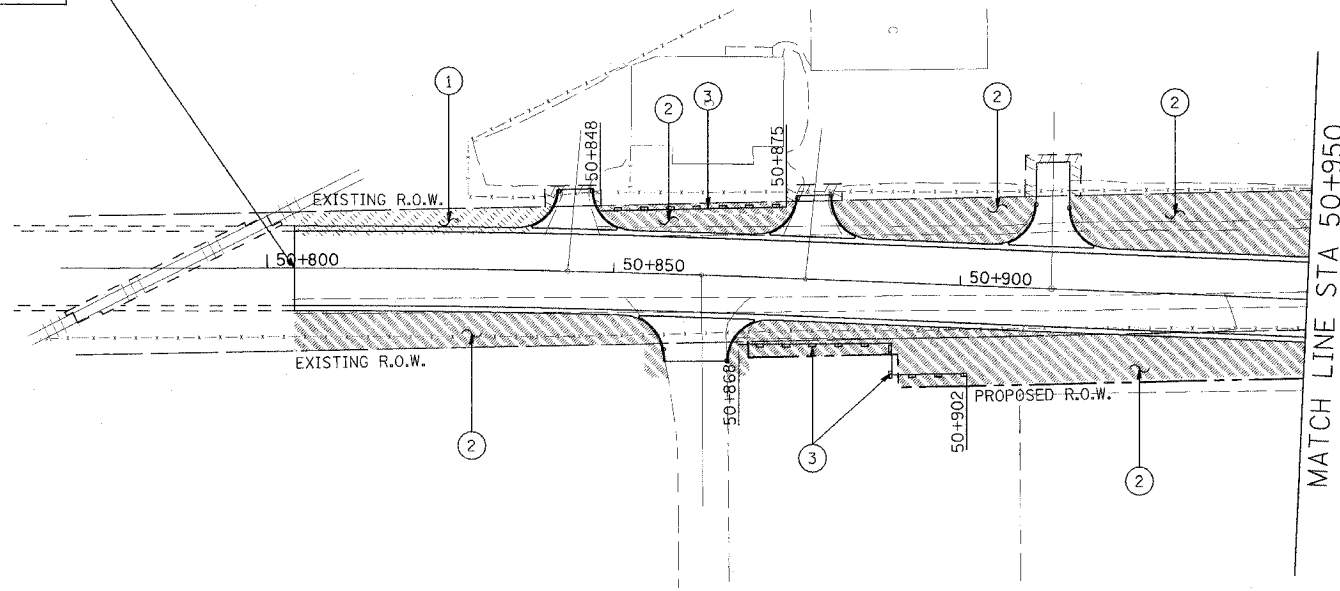
LEGEND

- ① SODDING, SALT TOLERANT
- ② SEEDING, CLASS 2A
- ③ PERIMETER EROSION BARRIER
- INLET & PIPE PROTECTION
- INLET FILTER

TREE LEGEND

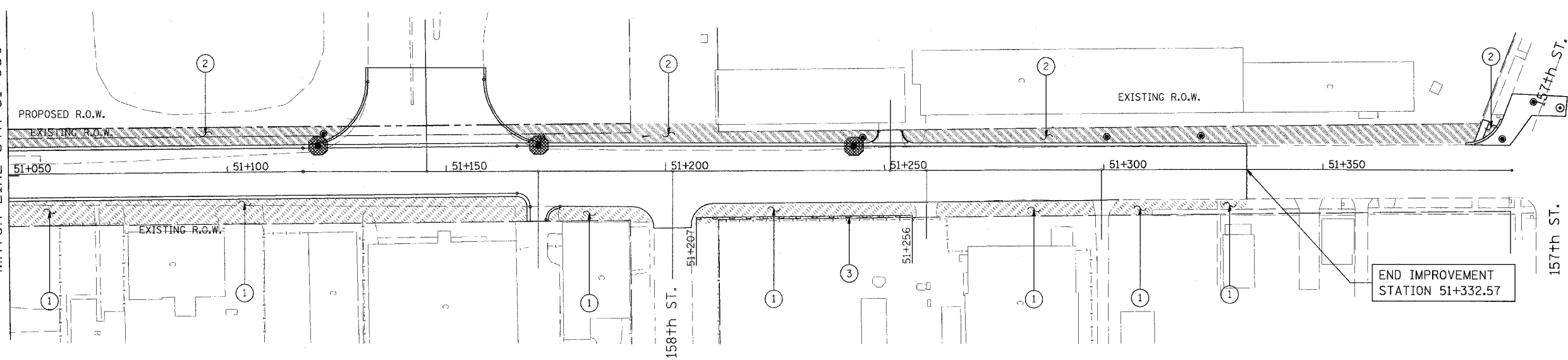
- Ⓐ AUTUMN BLAZE MAPLE
- Ⓑ AUTUMN PURPLE ASH
- Ⓒ SKYLINE HONEYLOCUST
- Ⓓ KENTUCKY COFFEETREE
- Ⓔ GREENSPIRE LINDEN
- Ⓕ RED JEWEL CRABAPPLE
- Ⓖ CHANTICLEER PEAR

BEGIN IMPROVEMENT STATION 50+803.93



CENTER STREET

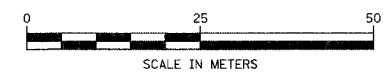
MATCH LINE STA 51+050



END IMPROVEMENT STATION 51+332.57

WEST AVENUE

URS
100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198



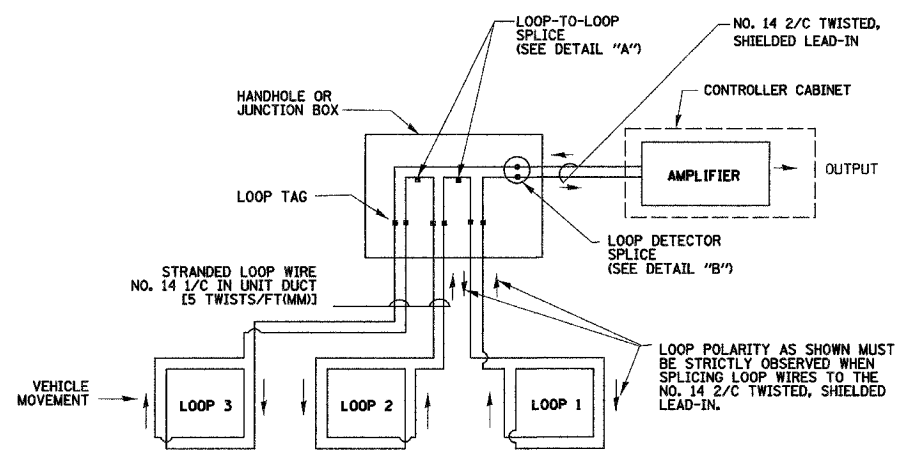
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM LEXINGTON AVE TO FISK AVE
EROSION CONTROL AND
LANDSCAPING PLAN
CENTER STREET AND WEST AVENUE
EC-11
DATE 02/21/08
DRAWN BY VAP
CHECKED BY NAP

60E10

LOOP DETECTOR NOTES

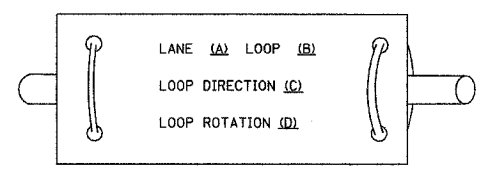
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED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



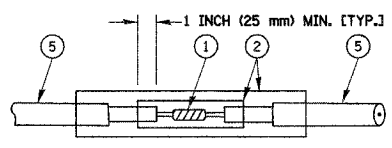
DETECTOR LOOP WIRING SCHEMATIC

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

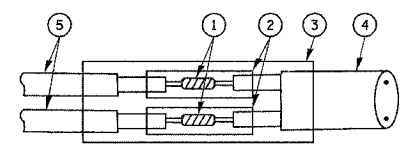
LOOP LEAD-IN CABLE TAG



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



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



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

LOOP DETECTOR SPLICE

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

IDOT DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

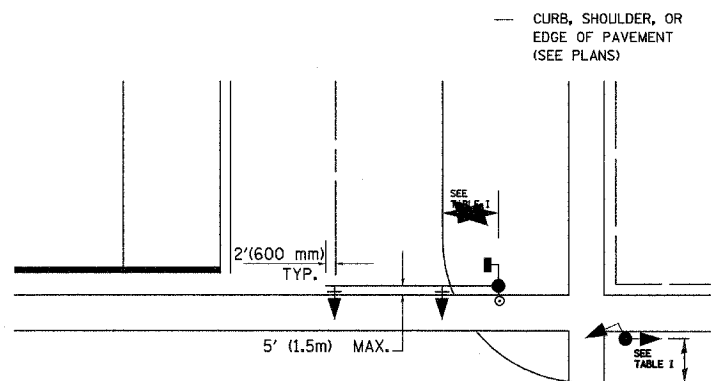
SCALE: VERT. NONE
HORIZ. NONE
DATE: AUGUST 16, 2005

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

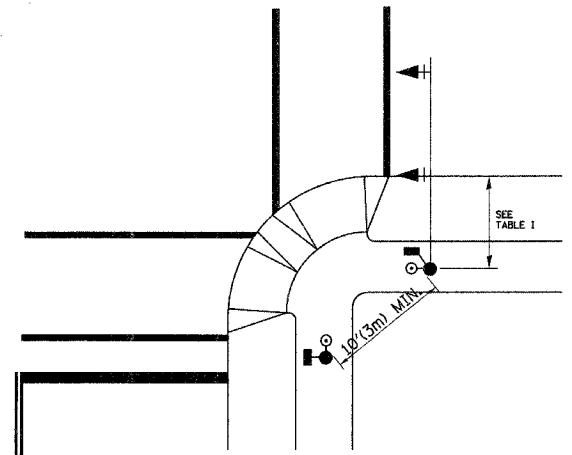
60E10

TRAFFIC SIGNAL MAST ARM AND POST

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



PEDESTRIAN SIGNAL PUSHBUTTON



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

NOTES:

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

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

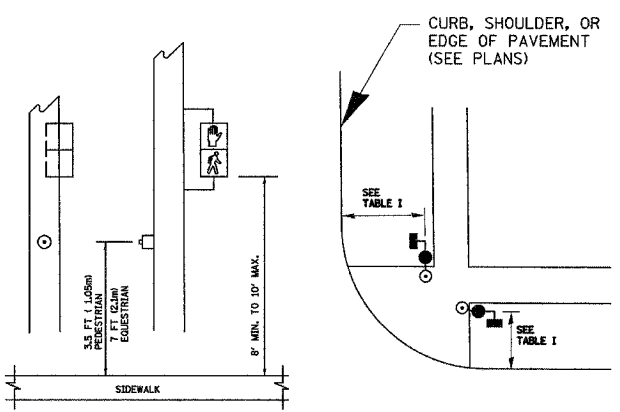


TABLE I

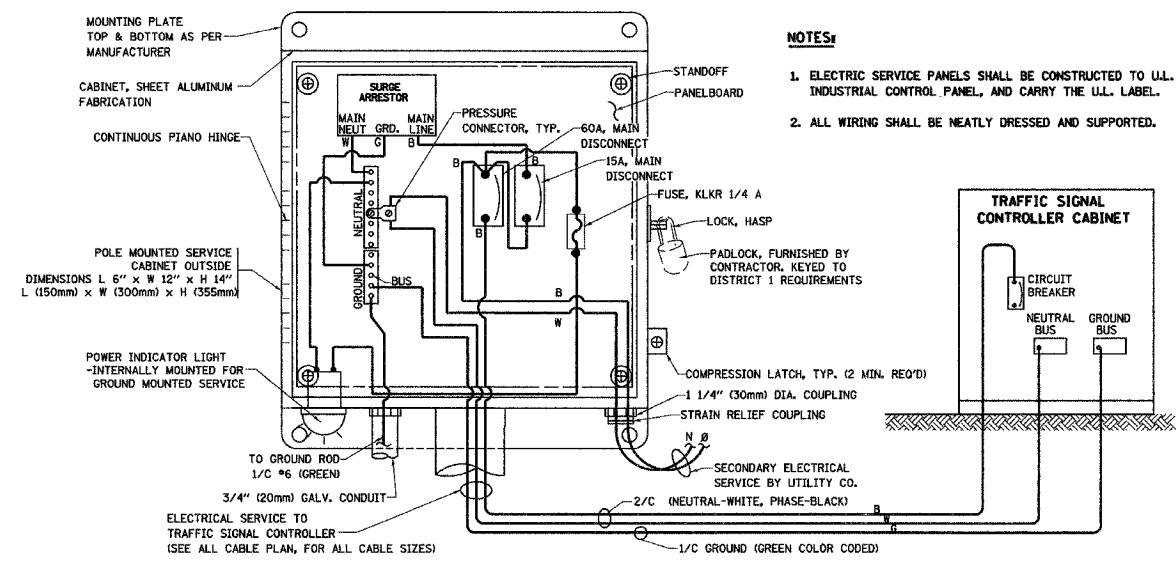
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m),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

REVISIONS	
NAME	DATE

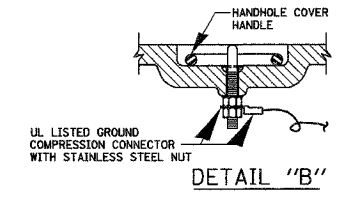
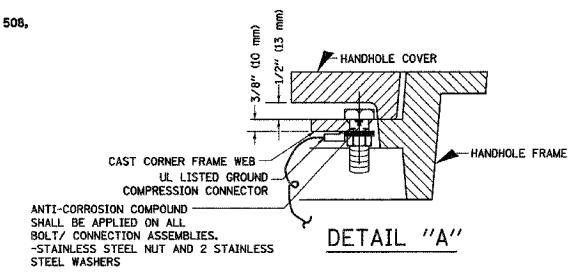
ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 IDOT DISTRICT 1
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

SCALE: VERT. NONE
 HORIZ. NONE
 DATE: AUGUST 16, 2005
 DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 2 OF 4

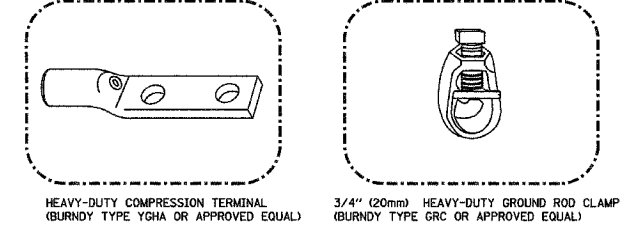
60E10



- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

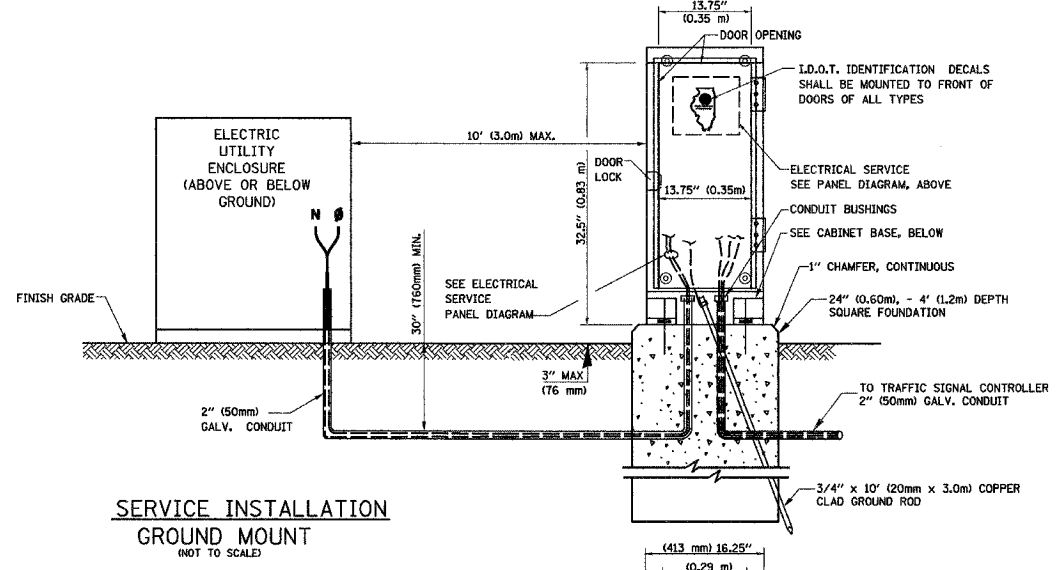


- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.C., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4\"/>
 - 2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
 - 3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 - 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

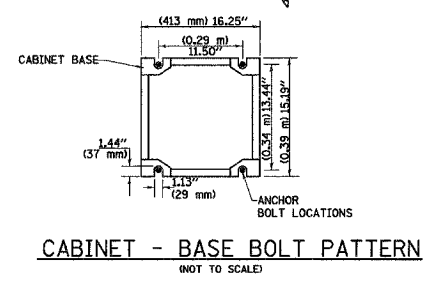


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

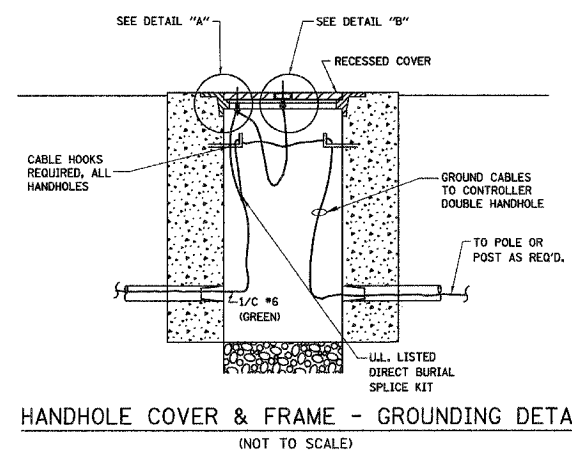
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



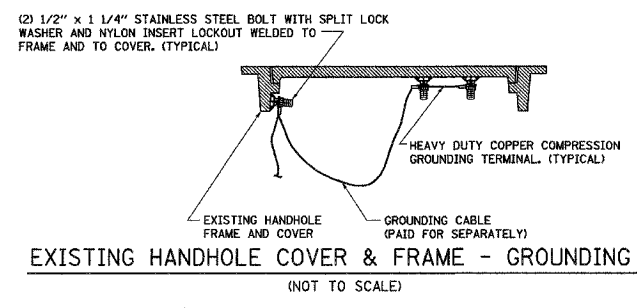
SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)



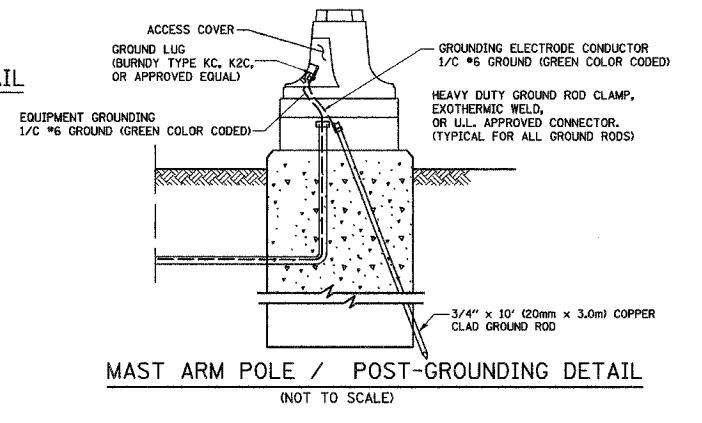
CABINET - BASE BOLT LOCATIONS (NOT TO SCALE)



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



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



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

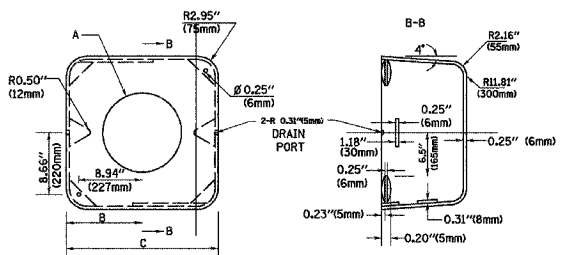
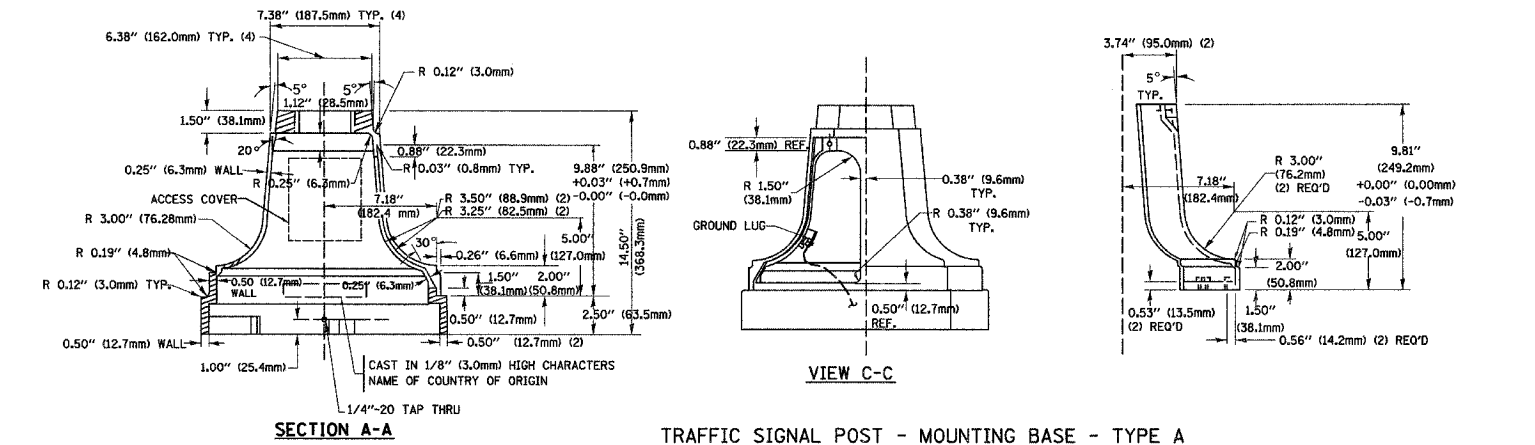
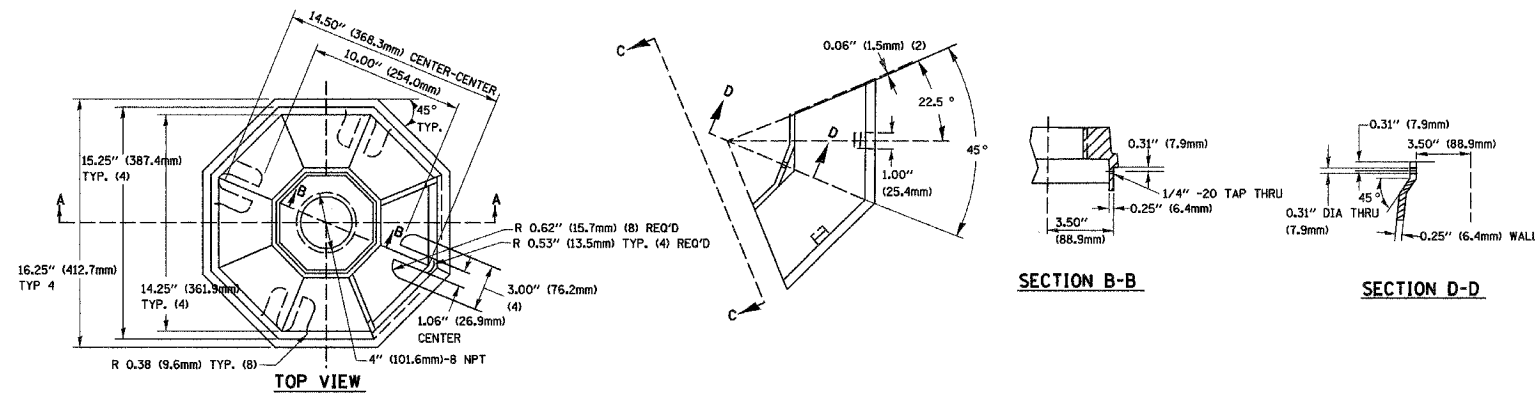
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

IDOT DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: VERT. NONE
HORIZ. NONE
DATE: AUGUST 16, 2005

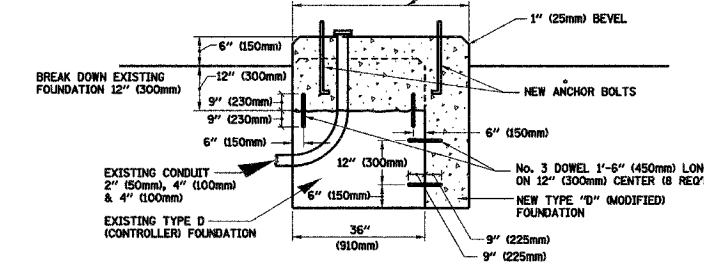
DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 3 OF 4



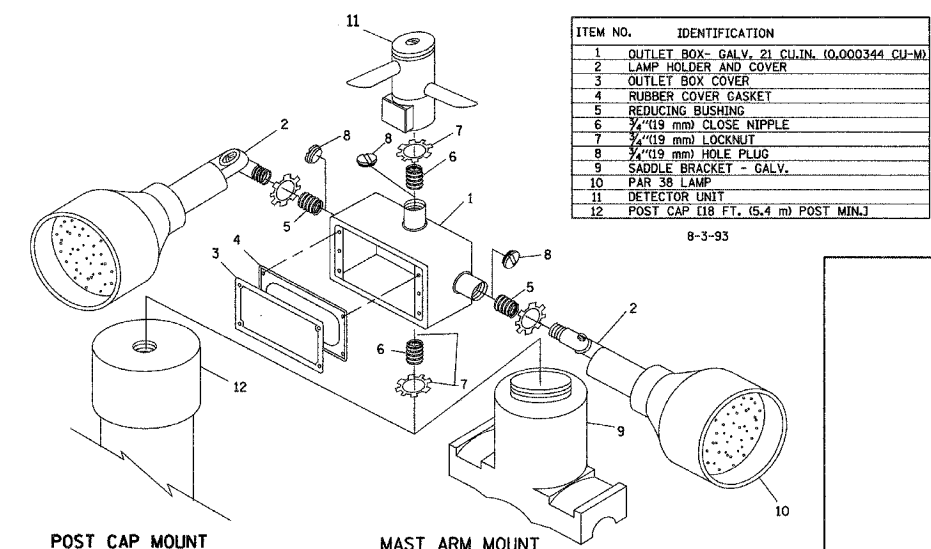
TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125" (257mm)	9.5" (241mm)	19" (483mm)	12" (300mm)	24kg
II	Ø 11.125" (283mm)	10.75" (273mm)	21.5" (546mm)	12" (300mm)	26kg

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

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

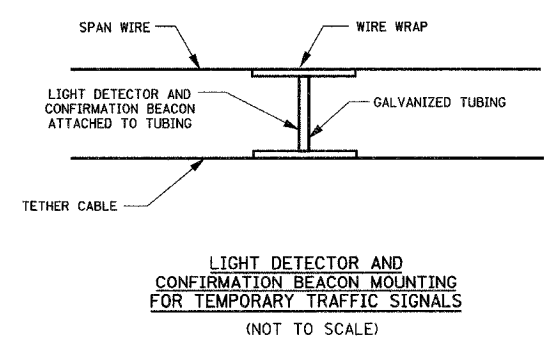


MODIFY EXISTING TYPE "D" FOUNDATION
 (NOT TO SCALE)

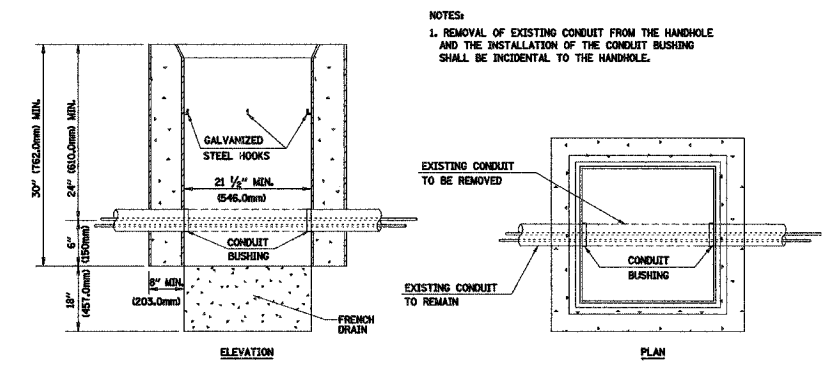


ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU. IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAIR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

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



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS
 (NOT TO SCALE)



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 IDOT DISTRICT 1
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

CODE NO	PAY ITEM	UNIT	TOTAL	DIXIE	WOOD	MYRTLE REMOVAL	PARK AV.	CARSE	HALSTED
81400100	HANDHOLE	EACH	32	7	5		8	5	7
81400200	HEAVY-DUTY HANDHOLE	EACH	16	4	4		2	2	4
81400300	DOUBLE HANDHOLE	EACH	5	1	1		1	1	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	3		1		1	1	
85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)	EACH	2						1
86400100	TRANSCEIVER-FIBER OPTIC	EACH	5	1	1		1	1	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	15	1	4		4	6	
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2					2	
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	10		4		4	2	
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	25	7	4		4	2	8
88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8	4					4
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	8	2			6		
88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	13		4		1	4	4
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	40	8	8		8	8	
88500100	INDUCTIVE LOOP DETECTOR	EACH	54	13	8		9	8	16
88700200	LIGHT DETECTOR	EACH	10	2	2		2	2	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	5	1	1		1	1	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	21	2	4		7	4	4
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	5	1	1		1	1	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6	1	1	1	1	1	1
89502380	REMOVE EXISTING HANDHOLE	EACH	41	8	12	6	5	4	6
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	46	9	9	6	8	8	6
M7200100	SIGN PANEL - TYPE 1	SQ M	5.04	1.4	1.12		1.12	1.4	
M7200200	SIGN PANEL - TYPE 2	SQ M	12.82	2.1	2.1		2.1	2.1	4.42
M8100060	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL	METER	1055	240	169		158	163	325
M8100070	CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL	METER	116	28	7		35	11	37
M8100100	CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL	METER	109	3	7			3	96
M8101050	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	264	92	38			11	114
M8101090	CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	469	103	113		89	74	120
M8101100	CONDUIT PUSHED, 125MM DIA., GALVANIZED STEEL	METER	47	47					
M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	701	12	10		226	177	276
M8731210	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	1222	171	192		435	157	267
M8731220	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	1698	173	243		470	337	476
M8731240	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	1142	191	247		297	408	
M8731250	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	2814	850	429		520	191	824
M8731300	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 4 1 PAIR	METER	5387	1458	277		210	798	2734
M8731800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	METER	170	38	55		26	20	30
M8750510	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	10	3			3		4
M8770730	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 7.92 METER	EACH	1	1					
M8770735	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 8.53 METER	EACH	1				1		
M8770745	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 9.75 METER	EACH	5				1	3	1
M8770750	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 10.36 METER	EACH	1	1					
M8770755	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 10.97 METER	EACH	2	1					1
M8770760	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 11.58 METER	EACH	7		4		1	1	1
M8770765	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 12.19 METER	EACH	1						1
M8770770	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 12.80 METER	EACH	1				1		
M8770775	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 13.41 METER	EACH	1	1					
M8780100	CONCRETE FOUNDATION, TYPE A	METER	12	3.6			3.6		4.8
M8780200	CONCRETE FOUNDATION, TYPE D	METER	6	1.2	1.2		1.2	1.2	1.2
M8780400	CONCRETE FOUNDATION, TYPE E 750 MM DIAMETER	METER	92	18.4	18.4		18.4	18.4	18.4
MX032723	PREFORMED DETECTOR LOOP	METER	1999	318	421		874	113	273
MX873027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	METER	1209	182	162		385	159	321
MX873030	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	METER	585	104	107		101	77	196
X8011010	TELEPHONE SERVICE INSTALLATION	L SUM	1	0.5					0.5
X8050015	SERVICE INSTALLATION - POLE MOUNT	EACH	5	1	1		1	1	1
XX006661	UNINTERRUPTABLE POWER SUPPLY	EACH	5	1	1		1	1	1

60E10

REVISIONS	
NAME	DATE
URS CORP	2/15/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

TRAFFIC SIGNAL
SUMMARY OF QUANTITIES

SCALE: N280
DATE 03/19/07
DRAWN BY DK
CHECKED BY JA



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	679	141
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

60E10

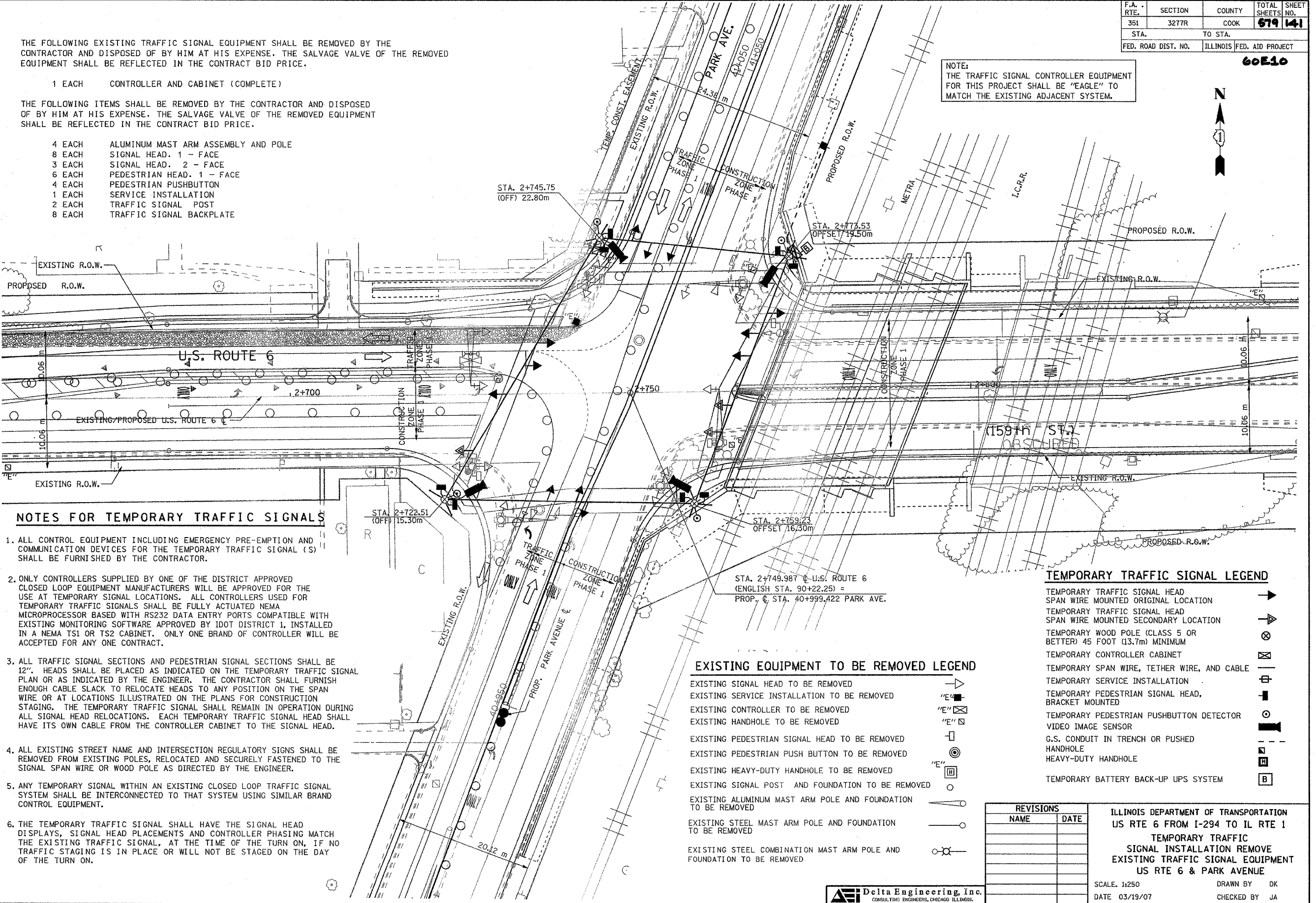
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 8 EACH SIGNAL HEAD. 1 - FACE
- 3 EACH SIGNAL HEAD. 2 - FACE
- 6 EACH PEDESTRIAN HEAD. 1 - FACE
- 4 EACH PEDESTRIAN PUSHBUTTON
- 1 EACH SERVICE INSTALLATION
- 2 EACH TRAFFIC SIGNAL POST
- 8 EACH TRAFFIC SIGNAL BACKPLATE

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



NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL (S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR THE 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 INDICATED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING CONTROLLER TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL COMBINATION MAST ARM POLE AND FOUNDATION TO BE REMOVED

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
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO IMAGE SENSOR
- G.S. CONDUIT IN TRENCH OR PUSHED HANDHOLE
- HEAVY-DUTY HANDHOLE
- TEMPORARY BATTERY BACK-UP UPS SYSTEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
TEMPORARY TRAFFIC
SIGNAL INSTALLATION REMOVE
EXISTING TRAFFIC SIGNAL EQUIPMENT
US RTE 6 & PARK AVENUE

SCALE: 1:250
DATE 03/19/07
DRAWN BY DK
CHECKED BY JA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	142
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

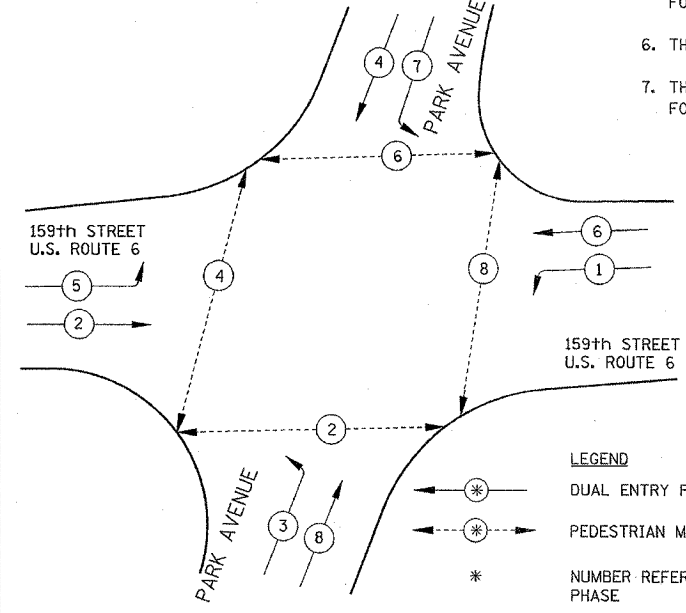
TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- X TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO IMAGE SENSOR
- B TEMPORARY BATTERY BACK-UP UPS SYSTEM

CONSTRUCTION NOTES

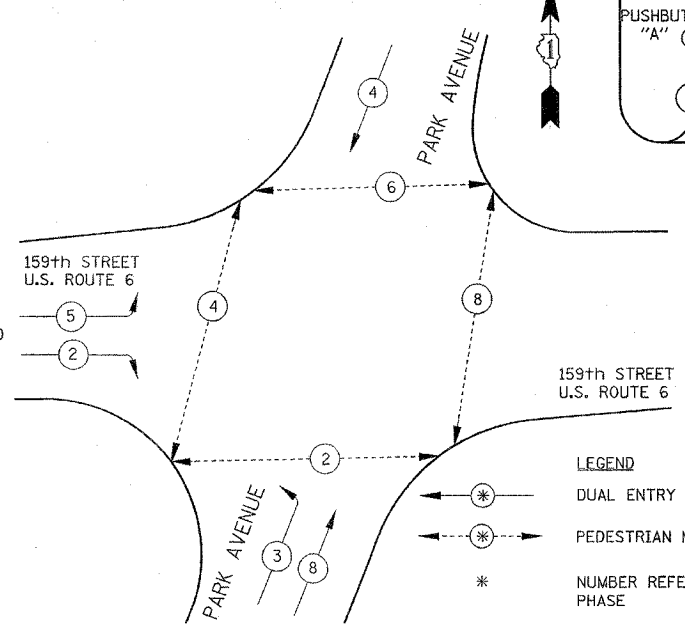
1. THE EXISTING TRAFFIC RESPONSIVE CLOSED LOOP SYSTEM OPERATION SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE SIGNAL SYSTEM ENGINEER, MR. GEORGE BROWN AT (630) 213-1000 AT LEAST 72 HOURS PRIOR TO THE START OF WORK TO REQUEST MODIFICATION OF THE EXISTING TRAFFIC RESPONSIVE PROGRAM. UPON COMPLETION AND ACCEPTANCE OF THE TRAFFIC SIGNAL MODIFICATIONS, THE CONTRACTOR SHALL CONTACT THE SIGNAL SYSTEM ENGINEER TO REQUEST RESTORATION OF THE ORIGINAL TRAFFIC RESPONSIVE PROGRAM.
2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING SIGNAL SYSTEM INTERCONNECT DURING TEMPORARY SIGNAL OPERATION. THE INSTALLATION OF THE TEMPORARY INTERCONNECT CABLE SHALL BE NON-DESTRUCTIVE. THE INSTALLATION AND MAINTENANCE OF THE TEMPORARY INTERCONNECT CABLE SHALL BE INCIDENTAL TO THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. THESE TRAFFIC SIGNAL SECTIONS SHALL BE DEACTIVATED AND BAGGED DURING STAGE 1 & 2 AND AS REQUIRED DURING CONSTRUCTION STAGING. THE TRAFFIC SECTIONS SHALL BE UNBAGGED AT THE END OF STAGE 2 CONSTRUCTION.
4. THE PHASE SHALL BE DEACTIVATED DURING STAGES 1 & 2 AND AS REQUIRED DURING CONSTRUCTION STAGING. THIS PHASE SHALL BE ACTIVATED AT THE END OF STAGE 2.
5. THESE TRAFFIC SIGNAL SECTIONS SHALL BE DEACTIVATED AND BAGGED DURING STAGE 1. AND SHALL BE ACTIVATED FOR STAGE 2.
6. THE LEFT SIGNAL HEADS SHALL BE MAINTAINED FOR ALL STAGES.
7. THE LEFT TURN SIGNAL HEADS SHALL BE BAGGED UNTIL TRAFFIC FOR EASTBOUND U.S. RT. 6 IS OPEN AT BRIDGE.

TEMPORARY CONTROLLER SEQUENCE

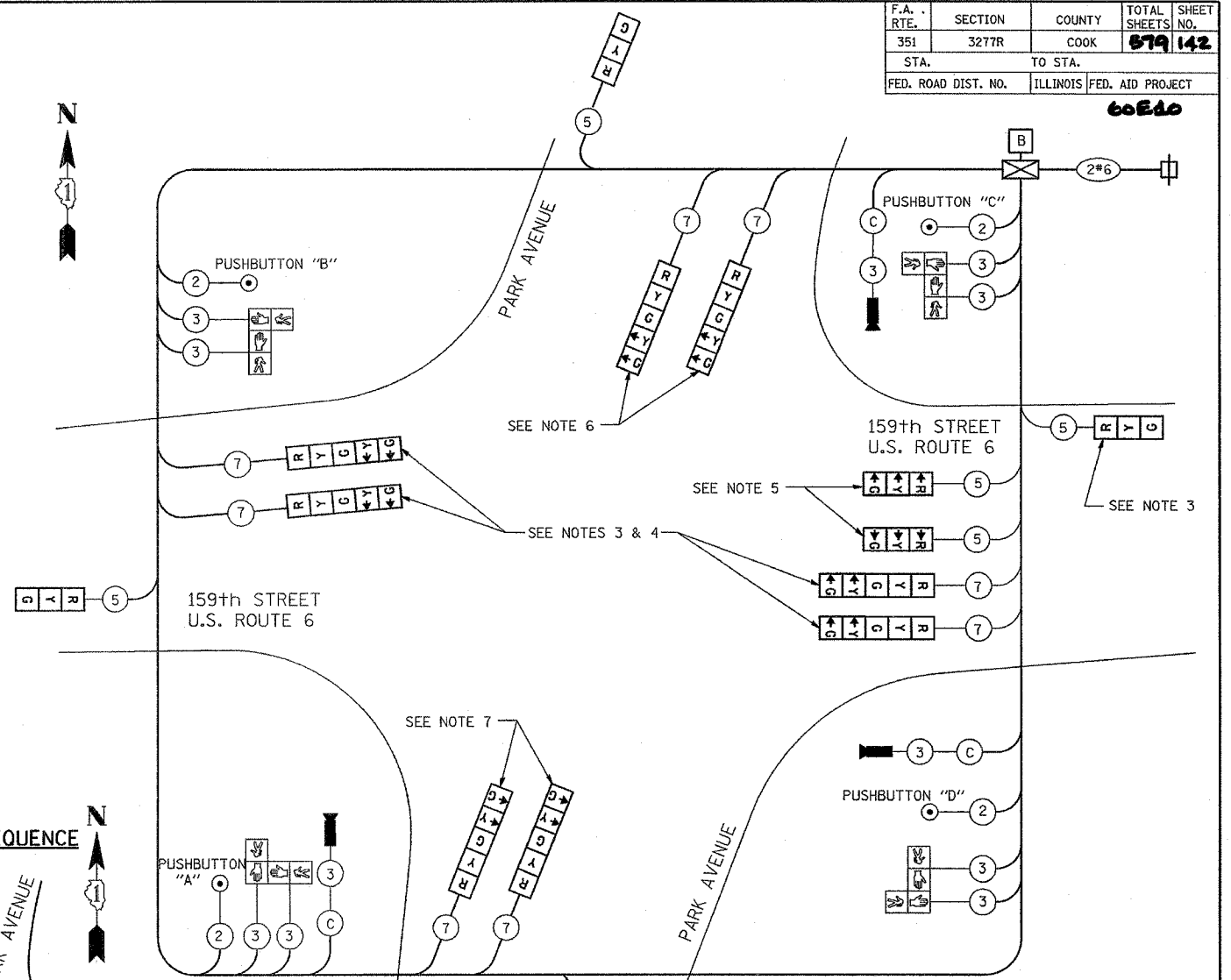


**TEMPORARY PHASE DESIGNATION
DIAGRAM END OF STAGE 2**

TEMPORARY CONTROLLER SEQUENCE

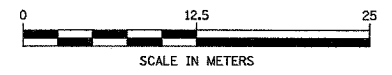


**TEMPORARY PHASE DESIGNATION
DIAGRAM STAGE 1**



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

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



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	22	135	12	0.10	297.00
PED. SIGNAL	8	90	25	1.00	720.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 2737.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096
CONTACT: MIKE LYNCH
PHONE: (847) 816-5331
COMPANY: COM. EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E - 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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

**TEMPORARY CABLE PLAN
US RTE 6 & PARK AVENUE**

SCALE: 1:250
DATE 03/19/07

DRAWN BY DK
CHECKED BY JA

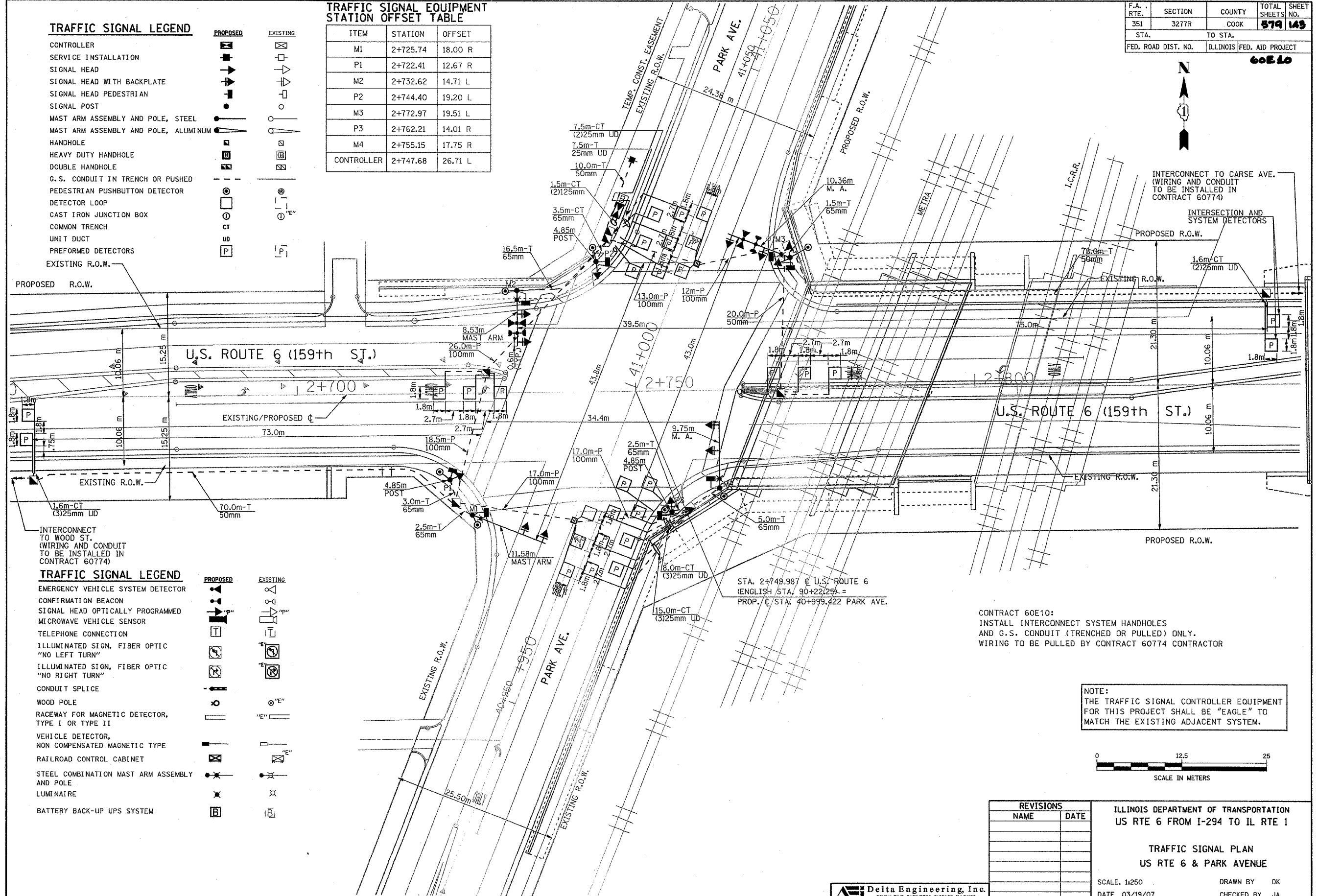
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	143
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	60E10

TRAFFIC SIGNAL LEGEND

- | | | |
|--------------------------------------|--|--|
| CONTROLLER | | |
| SERVICE INSTALLATION | | |
| SIGNAL HEAD | | |
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD PEDESTRIAN | | |
| SIGNAL POST | | |
| MAST ARM ASSEMBLY AND POLE, STEEL | | |
| MAST ARM ASSEMBLY AND POLE, ALUMINUM | | |
| HANDHOLE | | |
| HEAVY DUTY HANDHOLE | | |
| DOUBLE HANDHOLE | | |
| G.S. CONDUIT IN TRENCH OR PUSHED | | |
| PEDESTRIAN PUSHBUTTON DETECTOR | | |
| DETECTOR LOOP | | |
| CAST IRON JUNCTION BOX | | |
| COMMON TRENCH | | |
| UNIT DUCT | | |
| PERFORMED DETECTORS | | |
| EXISTING R.O.W. | | |

TRAFFIC SIGNAL EQUIPMENT STATION OFFSET TABLE

ITEM	STATION	OFFSET
M1	2+725.74	18.00 R
P1	2+722.41	12.67 R
M2	2+732.62	14.71 L
P2	2+744.40	19.20 L
M3	2+772.97	19.51 L
P3	2+762.21	14.01 R
M4	2+755.15	17.75 R
CONTROLLER	2+747.68	26.71 L



TRAFFIC SIGNAL LEGEND

- | | | |
|--------------------------------------------------|--|--|
| EMERGENCY VEHICLE SYSTEM DETECTOR | | |
| CONFIRMATION BEACON | | |
| SIGNAL HEAD OPTICALLY PROGRAMMED | | |
| MICROWAVE VEHICLE SENSOR | | |
| TELEPHONE CONNECTION | | |
| ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN" | | |
| ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN" | | |
| CONDUIT SPLICE | | |
| WOOD POLE | | |
| RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II | | |
| VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE | | |
| RAILROAD CONTROL CABINET | | |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE | | |
| LUMINAIRE | | |
| BATTERY BACK-UP UPS SYSTEM | | |

CONTRACT 60E10:
 INSTALL INTERCONNECT SYSTEM HANDHOLES
 AND G.S. CONDUIT (TRENCHED OR PULLED) ONLY.
 WIRING TO BE PULLED BY CONTRACT 60774 CONTRACTOR

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1

TRAFFIC SIGNAL PLAN
 US RTE 6 & PARK AVENUE

SCALE: 1:250
 DATE 03/19/07

DRAWN BY DK
 CHECKED BY JA

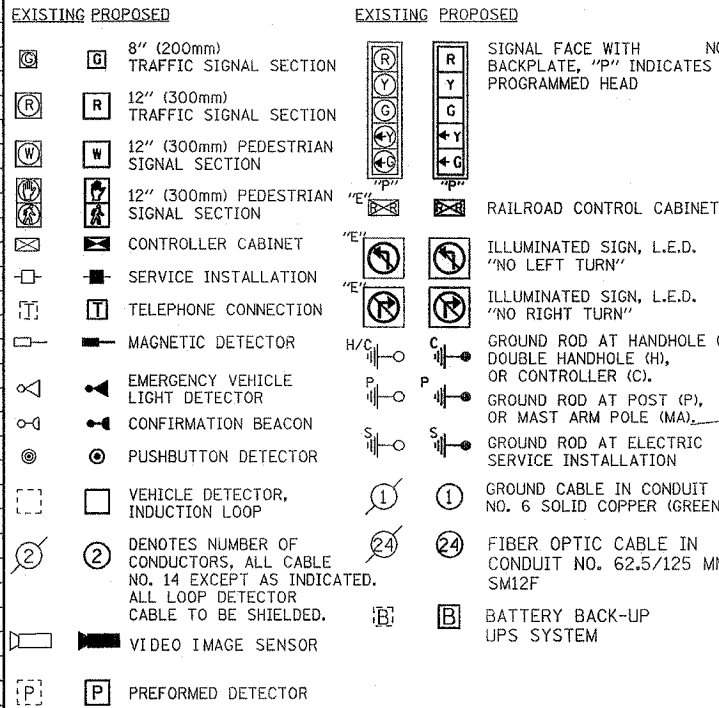
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	579	144
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

60E10

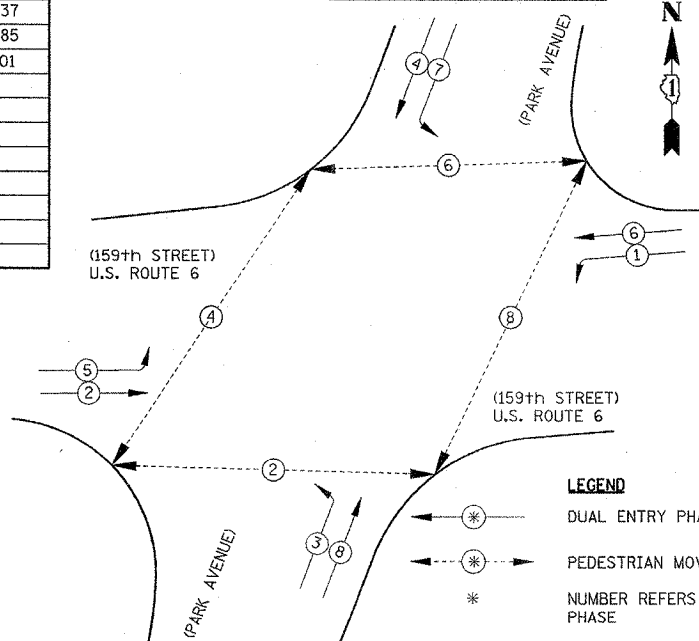
SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QTY.
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCIVER-FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	9
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	7
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
SIGN PANEL - TYPE 1	SQ M	1.12
SIGN PANEL - TYPE 2	SQ M	2.1
CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL	METER	158
CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL	METER	35
CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	89
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	226
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	435
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	470
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	297
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	520
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 4 1 PAIR	METER	210
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	METER	26
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 8.53 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 9.75 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 10.36 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 11.58 METER	EACH	1
CONCRETE FOUNDATION, TYPE A	METER	3.6
CONCRETE FOUNDATION, TYPE C	METER	1.2
CONCRETE FOUNDATION, TYPE E 750 MM DIAMETER	METER	18.4
PREFORMED DETECTOR LOOP	METER	837
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	METER	385
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	METER	101
SERVICE INSTALLATION, POLE MOUNT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE BRACKET MOUNTED	EACH	1
BATTERY BACK-UP UPS SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

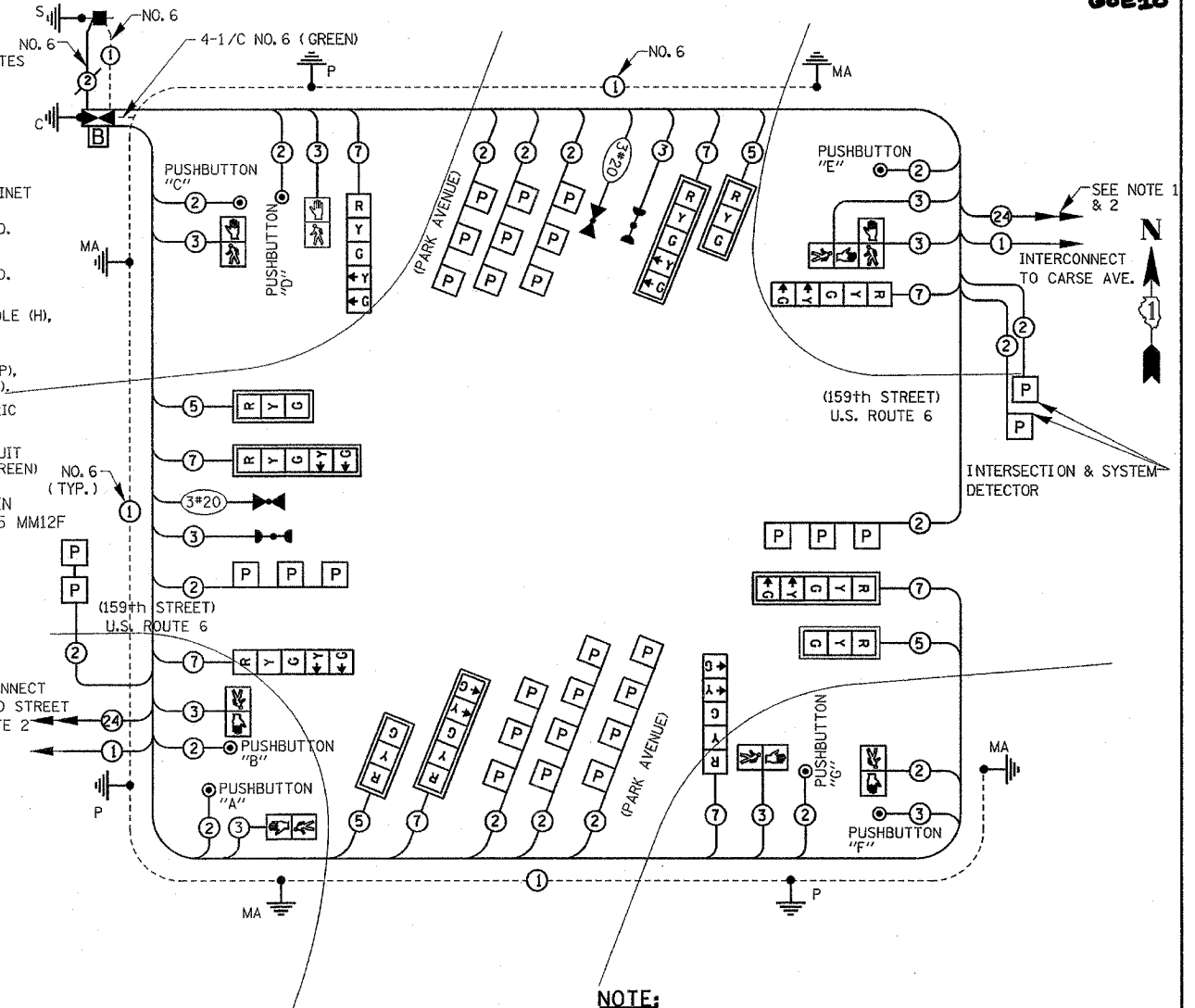
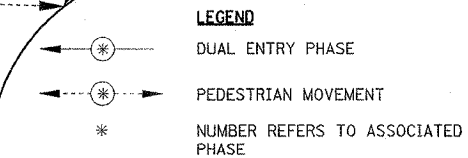
CABLE PLAN LEGEND



CONTROLLER SEQUENCE



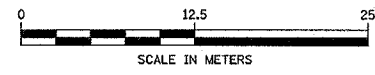
PHASE DESIGNATION DIAGRAM



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

NOTE:
 PUSHBUTTON "A" & "G" SHALL PLACE A CALL IN PHASE 2
 PUSHBUTTON "B" & "C" SHALL PLACE A CALL IN PHASE 4
 PUSHBUTTON "D" & "E" SHALL PLACE A CALL IN PHASE 6
 PUSHBUTTON "E" & "F" SHALL PLACE A CALL IN PHASE 8

NOTES:
 1. THE FIBER CABLE WILL BE INSTALLED FROM PARK AVE TO CARSE AVE BUT NOT CONNECTED AT THE CONTROLLERS.
 2. INTERCONNECT SYSTEM WIRING TO BE PULLED BY CONTRACT 60774 CONTRACTOR.



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
TOTAL =					541.20

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 CONTACT: MIKE LYNCH
 PHONE: (847) 816-5331
 COMPANY: COM. EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
	24" (600mm)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
	30" (750mm)	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)

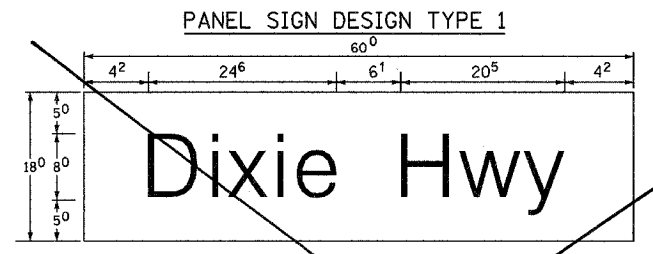
NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

Delta Engineering, Inc.
 CONSULTING ENGINEERS, CHICAGO, ILLINOIS

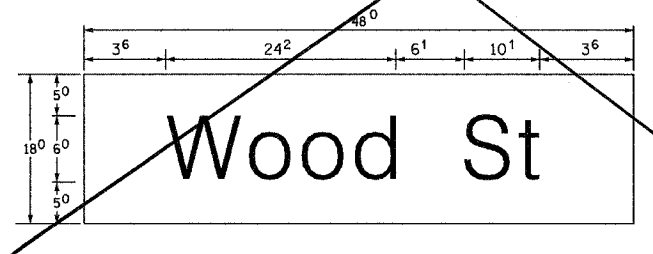
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 SCHEDULE OF QUANTITIES AND CABLE PLAN
 US RTE 6 & PARK AVENUE
 SCALE: 1/250
 DATE 03/19/07
 DRAWN BY DK
 CHECKED BY JA

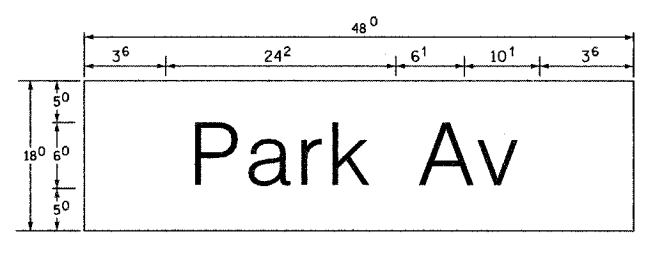
EXAMPLE, 2 ³ DENOTES 3/8"



0.70 Sq. M. each
 7.50 Sq. Ft. each
 2 Required
 Design Series D

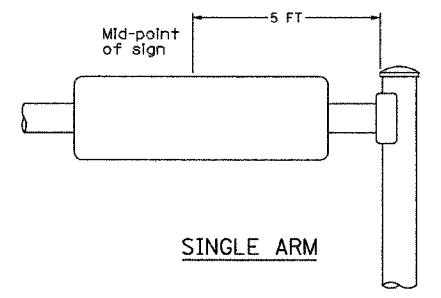
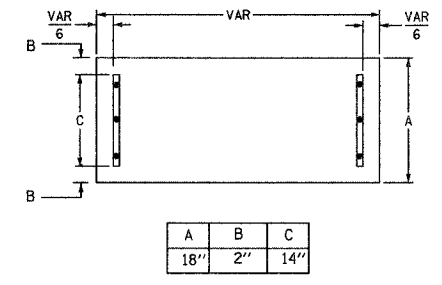


0.56 Sq. M. each
 6.00 Sq. Ft. each
 2 Required
 Design Series D



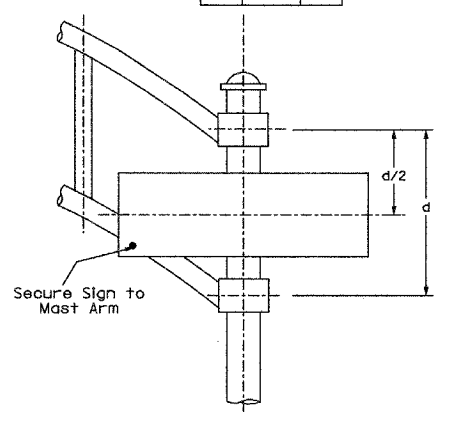
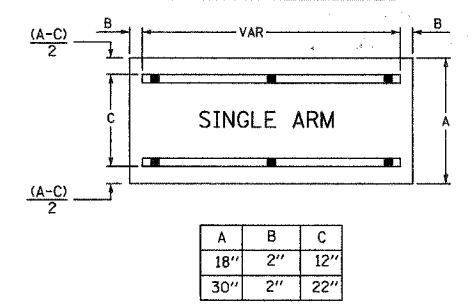
0.56 Sq. M. each
 6.00 Sq. Ft. each
 2 Required
 Design Series D

SUPPORTING CHANNELS



SINGLE ARM

SUPPORTING CHANNELS



DUAL ARM

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

SERIES	SECOND LETTER															
	acde goq		bhkl mnpru		f w		j		s t		v y		x		z	
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 O 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"

SERIES	SECOND LETTER															
	acde goq		bhkl mnpru		f w		j		s t		v y		x		z	
adhglj lmnqu	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
b fkops	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
ce	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
tz	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
vy	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"

SERIES	SECOND NUMBER																				
	0		1		2		3		4		5		6		7		8		9		
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	15	06	12	14	15	11	12	14	15	12	14	15	
8	16	17	16	17	14	15	12	14	15	12	14	14	15	16	17	12	14	16	17	14	15

UPPER AND LOWER CASE LETTER WIDTHS

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

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

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 AN STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS A 2'-6" BY 6'-0" SIGN PANEL 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 1/2".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

A.K.T. CORPORATION SCHAUMBURG, IL.	AMERICAN FABRICATION CO. CHICAGO HEIGHTS, IL.
TUCKER COMPANY, INC. WALWATOSA, 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 SELF TAPPING WITH NEOPREAM WASHER
BRACKETS	PART # HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

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

REVISIONS	
NAME	DATE
URS Corp	2/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 MAST ARM MOUNTED STREET NAME SIGNS

SCALE: N.T.S. DRAWN BY: DK
 DATE: 03/19/07 CHECKED BY: JA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	146
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				

← NOT IN CONTRACT
PROJECT 60E10
→ NOT IN CONTRACT






















ALL WORK TO BE PERFORMED UNDER CONTRACT 60774

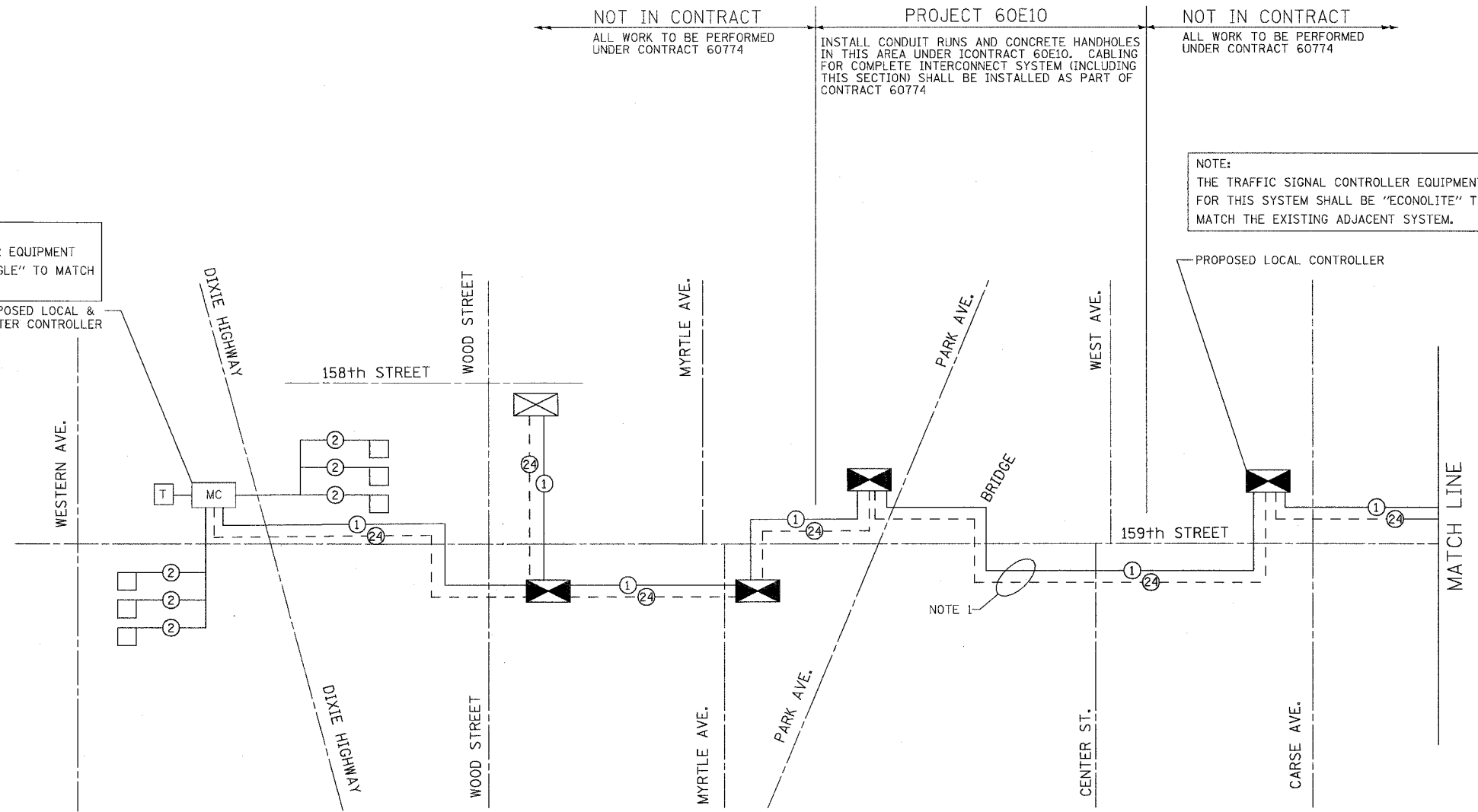
INSTALL CONDUIT RUNS AND CONCRETE HANDHOLES IN THIS AREA UNDER CONTRACT 60E10. CABLING FOR COMPLETE INTERCONNECT SYSTEM (INCLUDING THIS SECTION) SHALL BE INSTALLED AS PART OF CONTRACT 60774
ALL WORK TO BE PERFORMED UNDER CONTRACT 60774

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

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

INTERCONNECT SCHEMATIC LEGEND

- PROPOSED INTERSECTION CONTROLLER 
- EXISTING INTERSECTION CONTROLLER 
- PROPOSED MASTER CONTROLLER 
- EXISTING MASTER CONTROLLER 
- MASTER MASTER CONTROLLER 
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS 
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS 
- INTERCONNECT CABLE - NO. 62.5/125 24F FIBER OPTIC CABLE 
- INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED 
- LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED 
- EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE 
- EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED 
- EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED 
- TELEPHONE CONNECTION 
- PROPOSED TRACER CABLE NO. 10 1C 
- EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS 
- EXISTING TELEPHONE CONNECTION 
- EXISTING TRACER CABLE 1/C (AS SPECIFIED) 
- EXISTING SAMPLING (SYSTEM) DETECTORS 
- PROPOSED SAMPLING (SYSTEM) DETECTORS 
- EXISTING SAMPLING (SYSTEM) DETECTORS 



U.S. RTE. 6 (159TH / 162nd STREET)

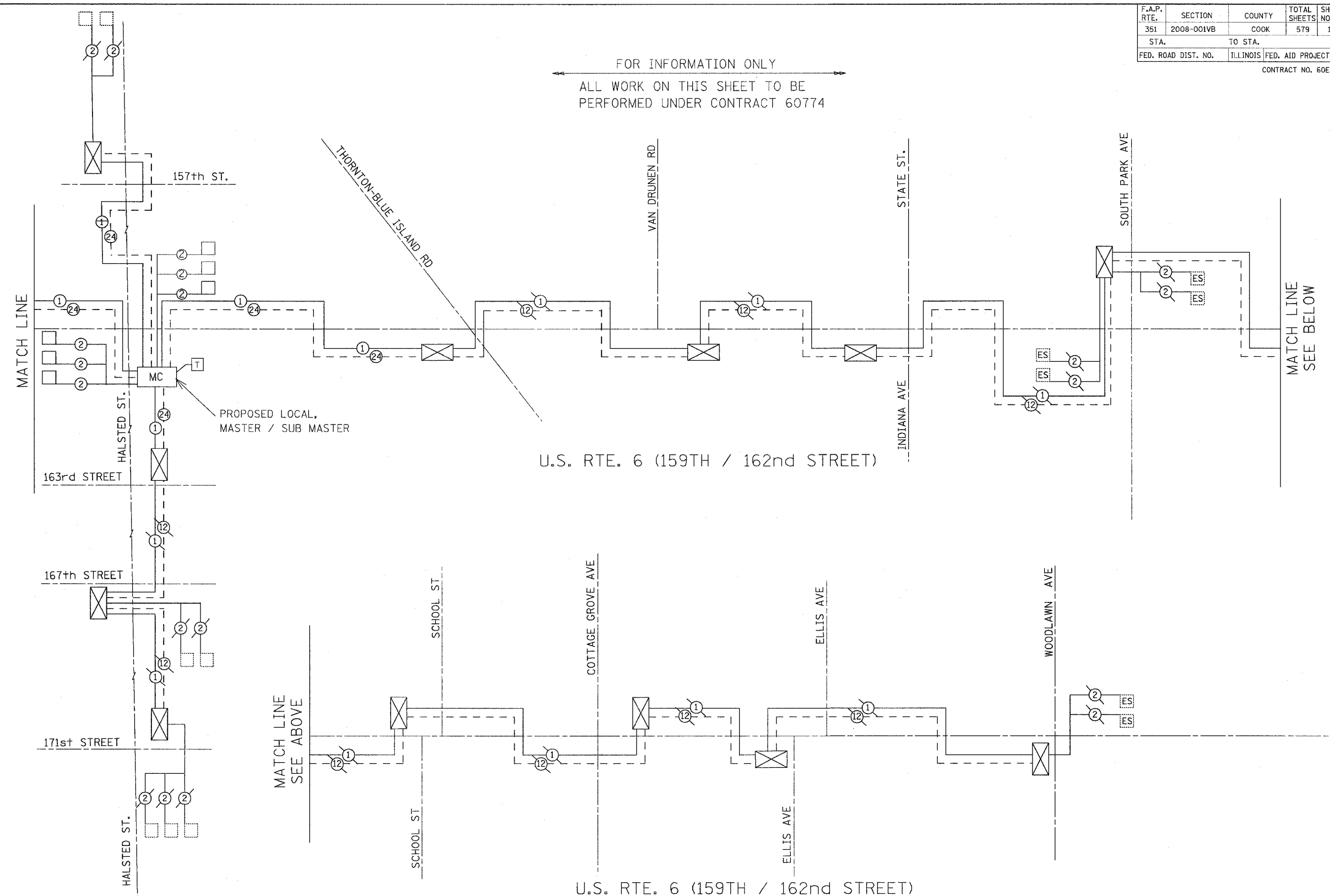
NOTE:
1. 24F CABLE WILL BE INSTALLED BETWEEN PARK AVE. AND CARSE AVE. OVER BRIDGE BUT NOT CONNECTED AT THE CONTROLLER.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION US RTE 6 FROM LEXINGTON AVE TO FISK AVE INTERCONNECT SCHEMATIC
NAME	DATE	

DESIGNED BY / DRAWN BY RAM
DATE 02/21/08 CHECKED BY DDL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	147
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 60E10				

FOR INFORMATION ONLY
 ALL WORK ON THIS SHEET TO BE
 PERFORMED UNDER CONTRACT 60774



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

FOR INTERCONNECT SCHEMATIC
 LEGEND SEE SHEET 367

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM LEXINGTON AVE TO FISK AVE

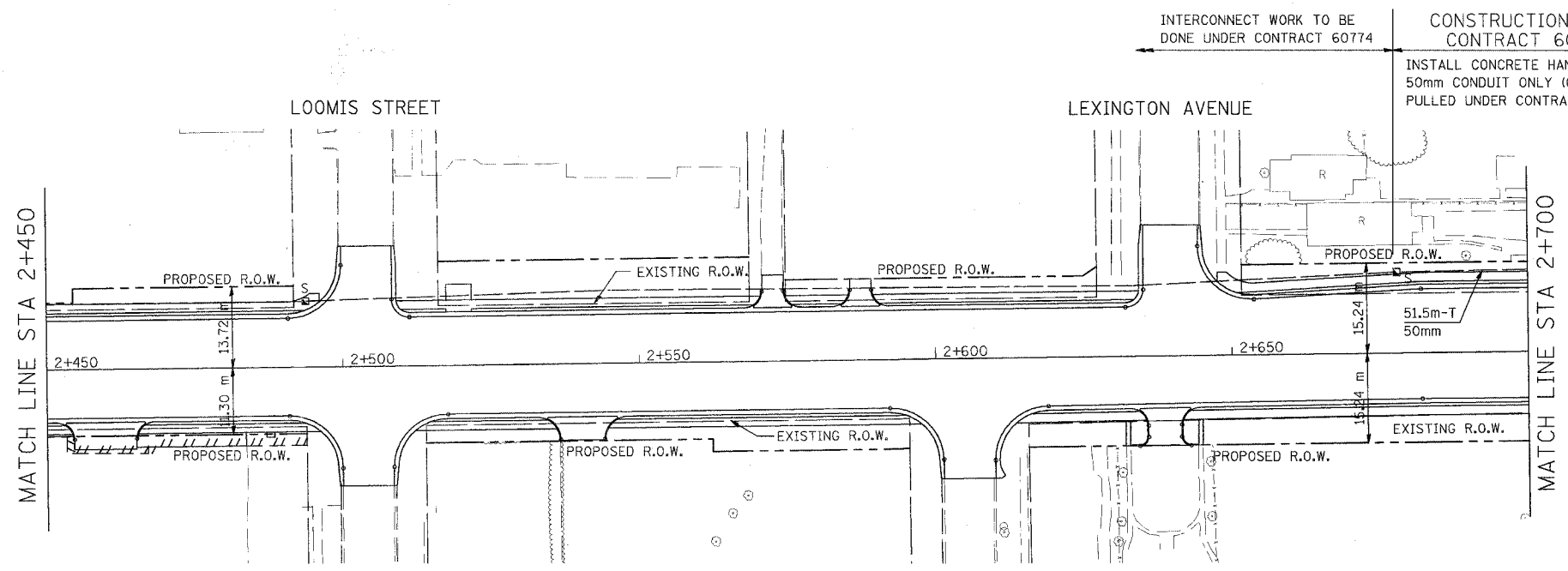
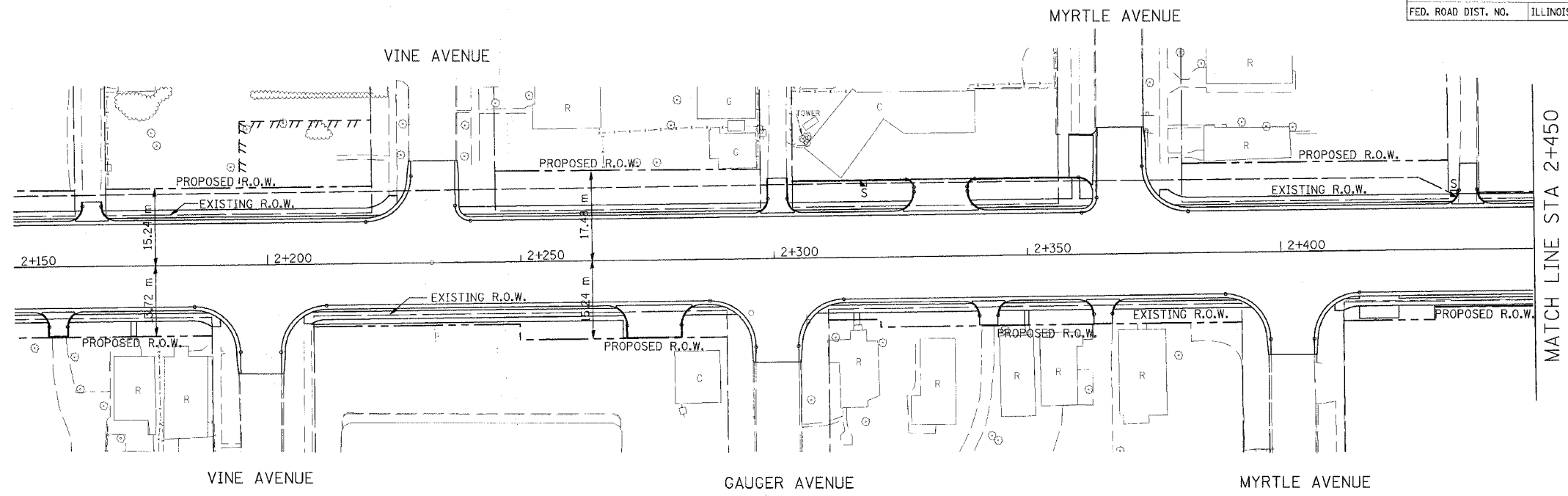
INTERCONNECT SCHEMATIC

SCALE: NONE
 DATE 02/21/08

DRAWN BY RAM
 CHECKED BY DDL



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001V8	COOK	579	148
STA. 2+150 TO STA. 2+700				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	⊠	⊠
HANDHOLE	⊠	⊠ "E"
DOUBLE HANDHOLE	⊠	⊠ "E"
G. S. CONDUIT IN TRENCH OR PUSHED	—	—
DETECTOR LOOP	□	□
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I
TEMPORARY WOOD POLE	⊙	
TEMPORARY FIBER OPTIC CABLE ON MESSENGER NO. 625/125, 24F	—	
TEMPORARY TRAFFIC SIGNAL SPAN WIRE, TETHER WIRE AND CABLE	—	

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT (EPR-TYPE RHW) 1/C NO. 10	METER	0
FIBER OPTIC CABLE IN CONDUIT 24F NO. 62.5/125	METER	0
CONDUIT IN TRENCH, 50mm, GALVANIZED STEEL	METER	342
CONDUIT PUSHED, 50mm, GALVANIZED STEEL	METER	89
CONCRETE HANDHOLE	EACH	4
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	342
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	0

INTERCONNECT WORK TO BE DONE UNDER CONTRACT 60774

CONSTRUCTION ZONE CONTRACT 60E10

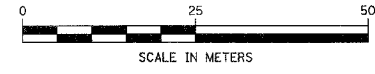
INSTALL CONCRETE HANDHOLES AND 50mm CONDUIT ONLY (CABLES TO BE PULLED UNDER CONTRACT 60774)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM LEXINGTON AVE TO FISK AVE

INTERCONNECT PLAN
SHEET 1 OF 2

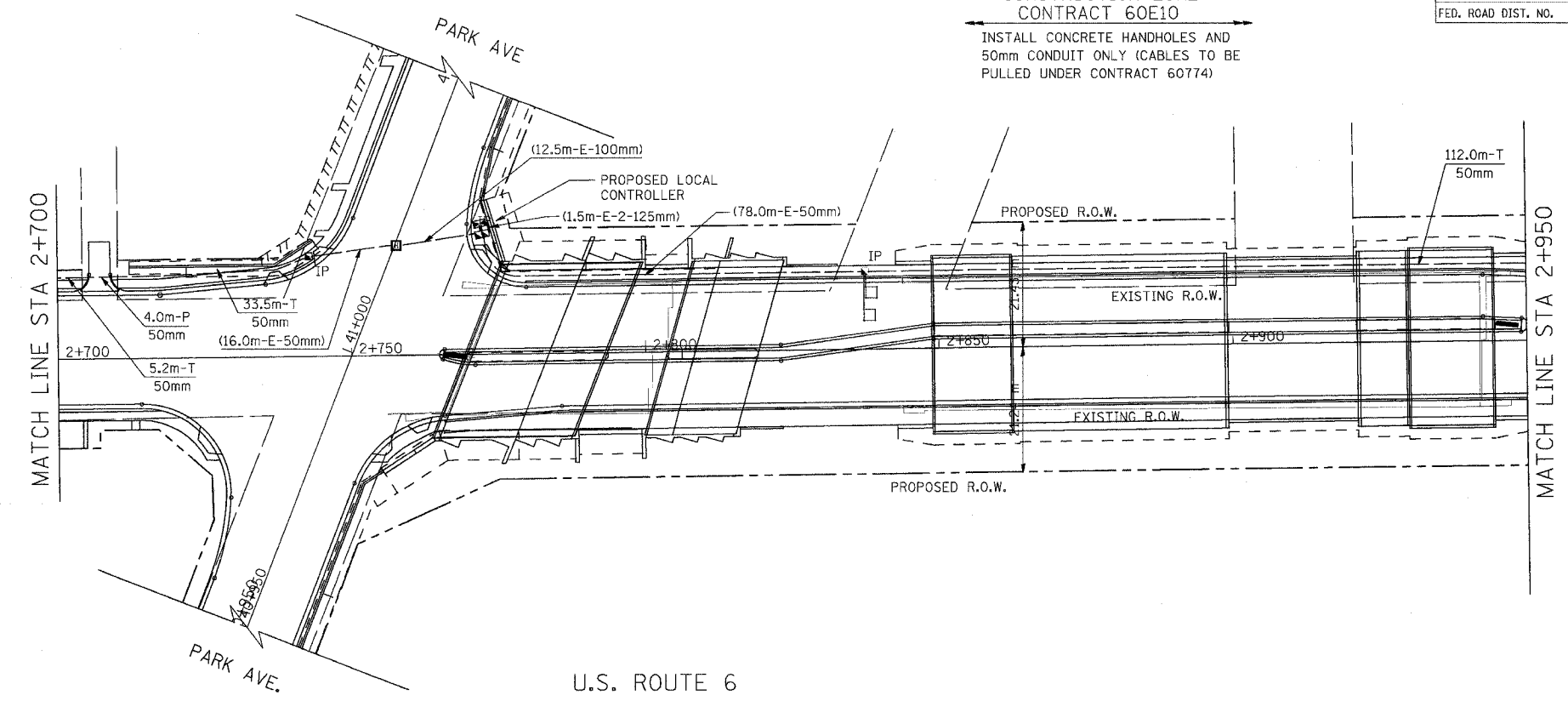
DESIGNED BY / DRAWN BY RAM
DATE 02/21/08 CHECKED BY DDL



URS 100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198

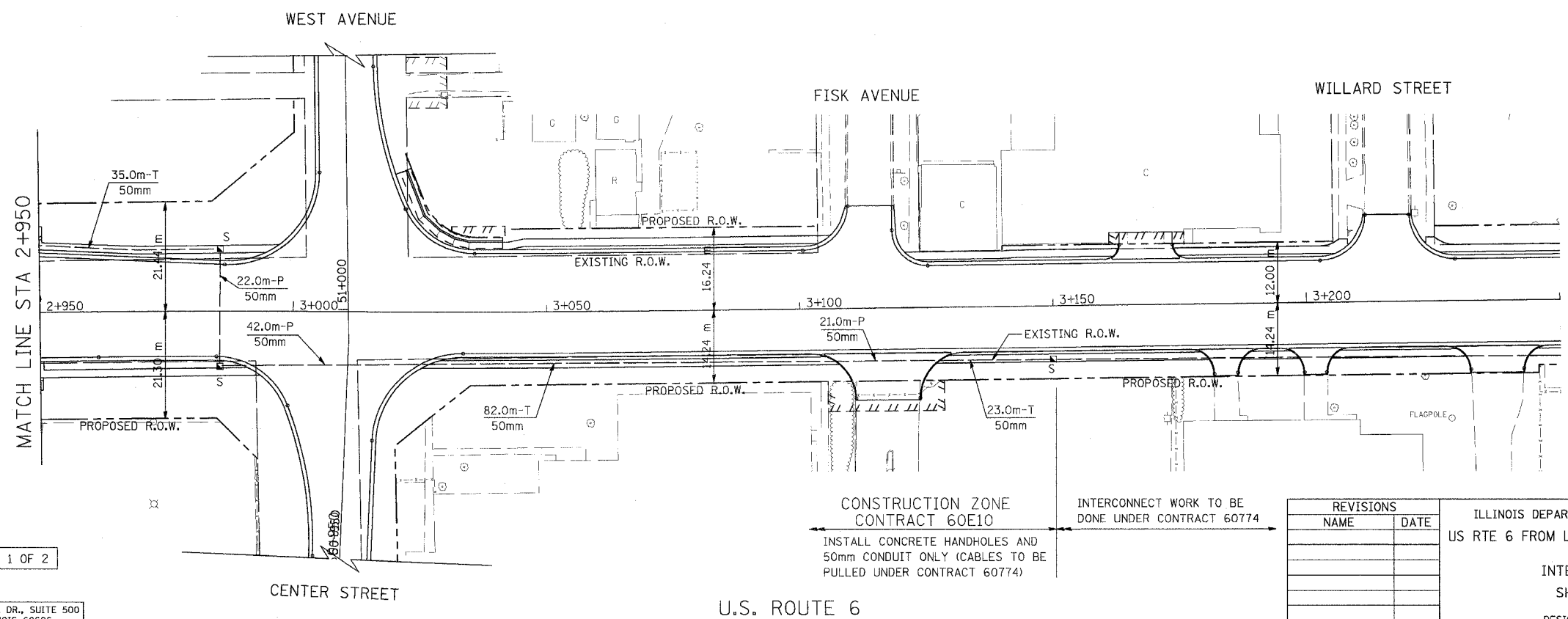
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	149
STA. 2+700 TO STA. 3+250				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				

CONSTRUCTION ZONE
CONTRACT 60E10
INSTALL CONCRETE HANDHOLES AND
50mm CONDUIT ONLY (CABLES TO BE
PULLED UNDER CONTRACT 60774)



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

U.S. ROUTE 6



CONSTRUCTION ZONE
CONTRACT 60E10
INSTALL CONCRETE HANDHOLES AND
50mm CONDUIT ONLY (CABLES TO BE
PULLED UNDER CONTRACT 60774)

INTERCONNECT WORK TO BE
DONE UNDER CONTRACT 60774

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM LEXINGTON AVE TO FISK AVE

INTERCONNECT PLAN
SHEET 2 OF 2
DESIGNED BY / DRAWN BY RAM
DATE 02/21/08 CHECKED BY DDL

FOR LEGEND SEE SHEET 1 OF 2

URS
100 S. WACKER DR., SUITE 500
CHICAGO, ILLINOIS 60606
TEL. (312) 939-1000
FAX (312) 939-4198

GENERAL NOTES

1. CONTRACTOR TO CONNECT AERIAL CABLE TO EXISTING LIGHTING CONTROLLER AND RUN UP WOOD SUPPORT POLE, EXTEND TO WOOD LIGHT POLES SHOWN TO FEED TEMPORARY STREET LIGHTS EAST AND WEST.
2. CONTRACTOR SHALL MAINTAIN POWER TO EXISTING LIGHT POLES DESIGNATED AS 'E' UNTIL COMPLETION OF CONSTRUCTION PHASE I, FROM EXISTING LIGHTING CONTROLLERS UNLESS NOTED OTHERWISE INDICATED ON PLANS.
3. CONTRACTOR SHALL DISCONNECT EXISTING CIRCUITS SERVING LIGHT POLES DESIGNATED AS "R" FROM EXISTING CONTROLLER.
4. USE THE AVAILABLE CIRCUITS IN EXISTING CONTROLLERS TO FEED TEMPORARY ROADWAY LIGHTS. CONNECT LIGHTS TO ALTERNATE PHASES. I.e. L1-N, L2-N.
5. CONTRACTOR SHALL REMOVE EXISTING MAST ARMS AND LUMINAIRES DESIGNATED AS ~~R~~ THESE FIXTURES ARE PART OF THE VILLAGE SYSTEM AND SHOULD BE RETURNED TO THE VILLAGE.
6. CONTRACTOR SHALL COORDINATE THE LOCATIONS OF WOOD LIGHT POLES WITH THE PROPOSED POLE LOCATIONS SUCH THAT REMOVAL/RELOCATION OF THE TEMPORARY INSTALLATION IS NOT REQUIRED AT THE TIME OF PROPOSED POLE INSTALLATION.
7. ALL THE ALUMINUM LIGHT POLES SHOULD BE PROVIDED WITH LUMINAIRE SAFETY CABLE ASSEMBLY.
8. CONTRACTOR SHALL USE EXISTING POLES TO SUPPORT TEMPORARY AERIAL CABLE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY LIGHTING WITHIN THE PROJECT LIMITS FOR THE ENTIRE DURATION OF THE PROJECT. ANY DAMAGE INCURRED DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED SO SERVICE IS NOT DISRUPTED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS.
10. LOCATIONS OF WOOD LIGHT POLES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
11. RELOCATION OF THE EXISTING LIGHTING CONTROLLER, IF REQUIRED SHALL BE ACCOMPLISHED IN ONE DAY SO THAT LIGHTING FOR THE INTERSECTION IS NOT INTERRUPTED. ALL AERIAL WIRING AND SERVICE CONNECTIONS SHALL BE IN-PLACE PRIOR TO ACTUAL RELOCATION OF THE CONTROLLER.
12. TEMPORARY LIGHTING WHICH WILL NOT REMAIN UPON PROJECT COMPLETION SHALL BE REMOVED ONCE THE PERMANENT LIGHTING IS INSTALLED AND OPERATIONAL. REMOVAL OF THE AERIAL CABLE AND TEMPORARY WOOD POLE SHALL BE PAID FOR AS "REMOVAL OF TEMPORARY LIGHTING UNITS". REMOVAL OF THE EXISTING LIGHTING POLES AND LUMINAIRES SHALL BE PAID FOR AS "REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE". SEE PLAN SHEETS FOR SPECIFIC LIGHTING STATUS.
13. SETBACKS FOR POLES SHALL BE FROM THE BACK OF CURB UNLESS OTHERWISE NOTED ON THE PLANS.
14. CONTRACTOR SHALL SPLICE AERIAL CABLE AT LOCATIONS INDICATED TO PERMIT INDICATED CIRCUIT TO BRANCH INTO SIDE STREET.
15. CONTRACTOR TO INTERCEPT THE CIRCUIT FROM THE LIGHTING CONTROLLER TO THE EXISTING LIGHTING POLE AND TERMINATE THE SAME ON THE NEW WOOD LIGHT POLE. IF THIS CABLE IS NOT LONG ENOUGH, INSTALL NEW CABLE FROM THE EXISTING CONTROLLER TO THE WOOD LIGHT POLE. REMOVE THE OLD CABLE AND DISPOSE OFF PER CONTRACTUAL REQUIREMENTS.
16. NOT USED.
17. UNLESS OTHERWISE NOTED, POWER CABLES TO THE EXISTING POLES SHALL BE FED FROM THE EXISTING LIGHTING CONTROLLER. CONTRACTOR TO VERIFY THE CIRCUITRY PRIOR TO MAKING ANY CHANGES.
18. NOT USED.
19. CONTRACTOR SHALL DISCONNECT THE POLE WIRES ONLY AT THE FUSES, LEAVING THE OTHER CIRCUITRY IN TACT TO ENSURE THAT CONTINUITY OF POWER TO THE SUCCEEDING AND PRECEDING POLES IS NOT DISRUPTED.
20. UNLESS NEW CABLE CONNECTIONS /MODIFICATIONS ARE SHOWN ON THE TEMPORARY LIGHTING PLANS, CONTRACTOR SHALL VERIFY THE EXISTING CIRCUITRY AND MAINTAIN CONTINUITY OF POWER FOR ALL THE EXISTING POLES.
21. IF THE EXISTING LIGHTING POLE IS FED FROM A CONTROLLER LOCATED ON A SIDE STREET, LEAVE THE CIRCUITRY "AS IS" FOR USE AS TEMPORARY LIGHTING FOR U.S. ROUTE 6.
22. AERIAL CABLE WHEN USED SHALL BE SECURELY ATTACHED TO EACH LIGHTING POLE. DRILLING INTO THE POLE WILL NOT BE PERMITTED. THE MOUNTING HEIGHT OF THE ATTACHMENT SHALL BE CONSISTENT WITH THE MOUNTING HEIGHT OF THE AERIAL CABLE ON THE TEMPORARY WOOD POLES. THE AERIAL CABLES COMING DOWN THE LIGHTING POLE TO THE HANDHOLE SHALL BE SECURELY ATTACHED TO THE POLE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE COST OF THE AERIAL CABLE.
23. REFER TO PLANS FOR LOCATIONS OF TEMPORARY SERVICE WOOD POLES AND TO SHEET 415 FOR DETAILING.

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SUMMARY OF QUANTITY
US ROUTE 6 FROM I-294 TO HALSTED STREET
JOB NO. D-91-249-99

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	23
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	19
82107100	UNDERPASS LUMINAIRE 70 WATT, HIGH PRESSURE SODIUM VAPOR.	EACH	48
84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	4
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	30
M8100060	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL	METER	1610.0
M8101060	CONDUIT PUSHED, 65MM DIA., GALVANIZED STEEL	METER	327.0
M8110160	CONDUIT ATTACHED TO STRUCTURE, 50MM DIA., GALVANIZED STEEL	METER	60.0
M8130130	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE 200MMX150MMX100MM	EACH	48
M8130223	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE 400MMX350MMX150MM	EACH	8
M8160400	UNIT DUCT, WITH 3-1/2 NO. 4 AND 1/2 NO. 6 GROUND, 600V (EPR-TYPE RHW), 30MM DIA., POLYETHYLENE	METER	1640.0
M8160415	UNIT DUCT, WITH 3-1/2 NO. 2 AND 1/2 NO. 4 GROUND, 600V (EPR-TYPE RHW), 40MM DIA., POLYETHYLENE	METER	1402.0
M8170405	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/2 NO. 2	METER	204.0
M8170410	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/2 NO. 4	METER	68.0
M8170415	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/2 NO. 6	METER	210.0
M8170425	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/2 NO. 10	METER	2480.0
M8170485	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/2 NO. 10	METER	3480.0
M8170805	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/2 NO. 2	METER	180.0
M8180120	AERIAL CABLE, 3-1/2 NO. 2 WITH MESSENGER WIRE	METER	4020.0
M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	8210.0
M8305020	LIGHT POLE, ALUMINUM, 14.5M M.H., 2.5M MAST ARM	EACH	19
M8307290	LIGHT POLE, WOOD, 15.24 METER, CLASS 4	EACH	4
M8307300	LIGHT POLE, WOOD, 15.24 METER, CLASS 4, 4.5 METER MAST ARM	EACH	19
M8360100	LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	612.0
M8380095	BREAKAWAY DEVICE, TRANSFORMER BASE, 381MM BOLT CIRCLE	EACH	19
MX030207	CONDUIT ATTACHED TO STRUCTURE, 50MM DIA. GALVANIZED STEEL, PVC COATED	METER	95.0
MX030208	CONDUIT ATTACHED TO STRUCTURE, 65MM DIA. GALVANIZED STEEL, PVC COATED	METER	12.0
MX030300	CONDUIT ATTACHED TO STRUCTURE, 25MM DIA. GALVANIZED STEEL, PVC COATED	METER	617.0
MX030465	25 MM PVC COATED FLEXIBLE LIQUID TIGHT METALLIC CONDUIT	METER	24.0
MX816065	UNIT DUCT, WITH 3-1/2 NO. 6 AND 1/2 NO. 6 GROUND, 600V (EPR-TYPE RHW), 25MM DIA., POLYETHYLENE	METER	5700.0
X0324387	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	23
X8250085	ELECTRIC UTILITY SERVICE CONNECTION	EACH	1
X8410118	LIGHTING CONTROLLER, DUPLEX CONSOLE TYPE	EACH	2
X8950080	MAINTENANCE OF TEMPORARY LIGHTING SYSTEM	L SUM	1
XX005978	REMOVE EXISTING LIGHTING CONTROLLER	EACH	1
XX006937	GROUND ROD SYSTEM INSTALLATION	EACH	25
XX006937	GROUND ROD, 5/8" DIA. X 10 FT	EACH	25

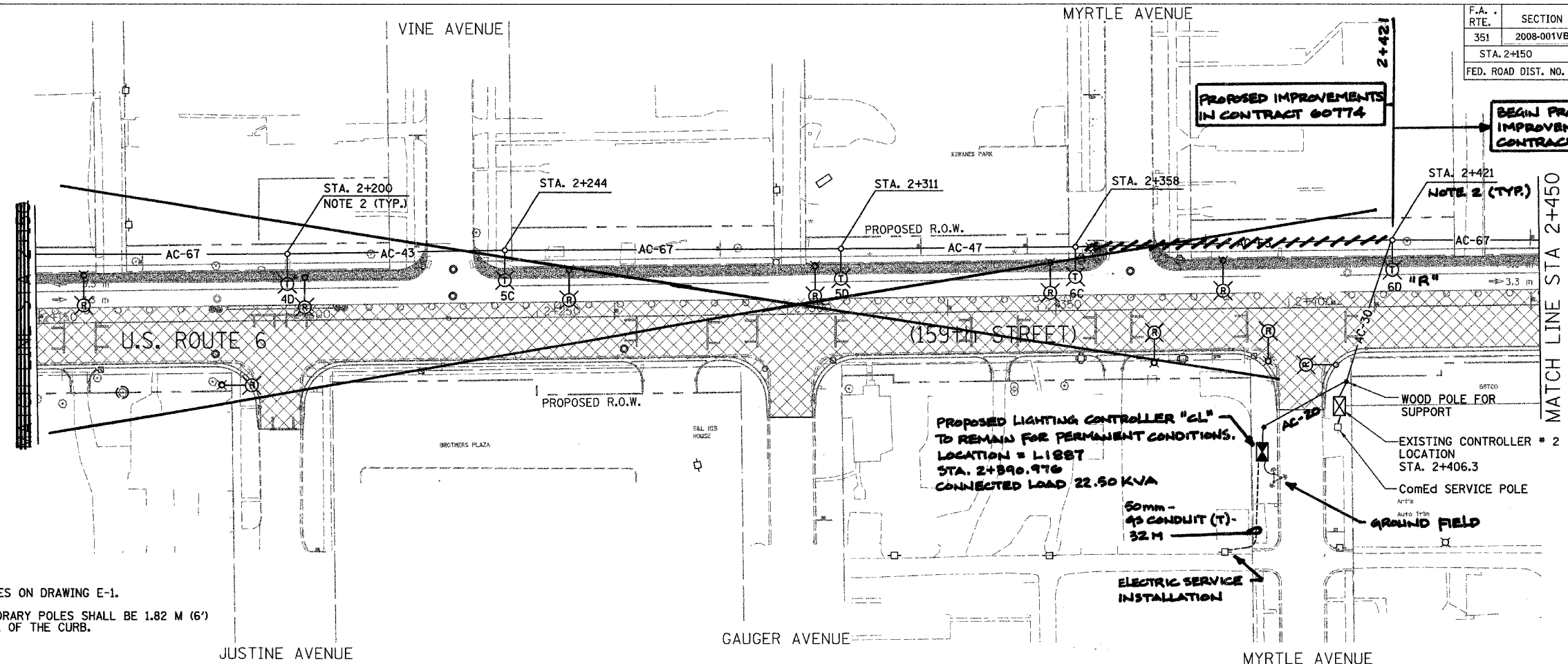
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
351	2008-001VB	COOK	579 190
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		60210

DRAWING No. E-1

REVISIONS	
NAME	DATE
URS Corp	2/15/08

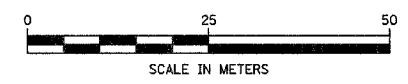
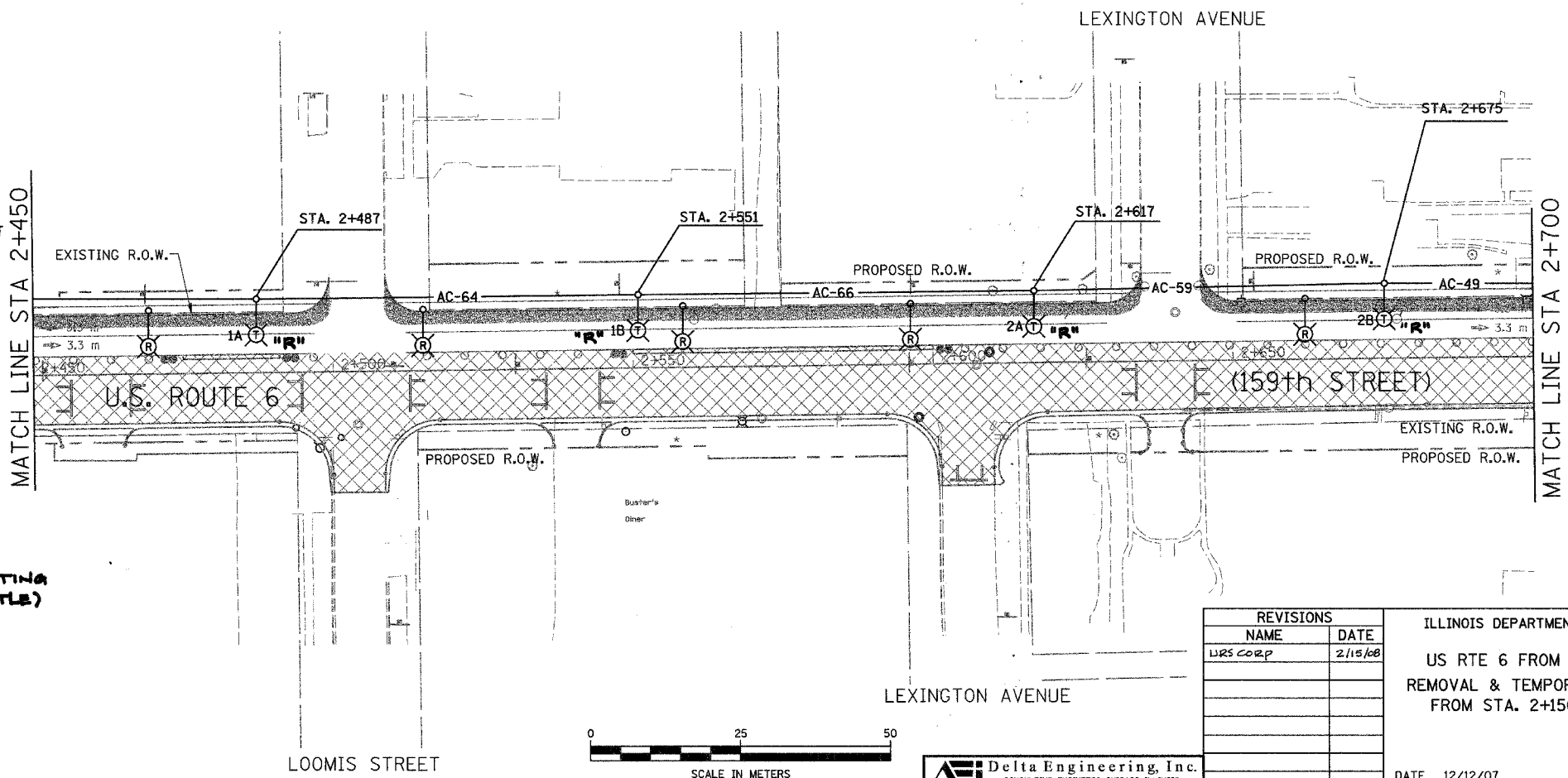
ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
GENERAL NOTES & SUMMARY OF QUANTITY

DATE 12/12/07
 DRAWN BY S.S./W.S.
 CHECKED BY C.K./H.S.



- NOTES:**
- REFER TO LIGHTING NOTES ON DRAWING E-1.
 - SETBACK FOR THE TEMPORARY POLES SHALL BE 1.82 M (6') MINIMUM FROM THE BACK OF THE CURB.

- LEGEND**
- ⊙ (R) EXISTING LTG. POLE TO BE REMOVED
 - ⊙ (E) EXISTING LTG. POLE TO REMAIN "AS IS" ON THE EXISTING CIRCUIT DURING CONSTRUCTION STAGE I ONLY. TO BE REMOVED DURING CONSTRUCTION STAGE II.
 - ▭ EXISTING PAVEMENT, SHOULDER CURB & GUTTER TO BE REMOVED BY OTHERS
 - AC-XX— TEMPORARY AERIAL CABLE 3-1/C NO. 2 ALUMINUM WITH STEEL MESSENGER WIRE XX-INDICATES LENGTH IN METERS
 - ⊙ (A) LIGHT POLE, WOOD, WITH 4.5M MAST ARM AND 400W HPS LUMINAIRES DURING CONSTRUCTION STAGE I ONLY AND TO BE REMOVED DURING CONSTRUCTION STAGE II, SEE NOTE-6 ON SHEET E-1. LETTER DENOTES CIRCUIT IN EXISTING CONTROLLER. "R" DESIGNATES TEMP. POLE TO REMAIN POST-CONSTRUCTION.
 - LIGHT POLE, WOOD, FOR SUPPORT OF TEMPORARY AERIAL CABLE DURING CONSTRUCTION STAGE I
 - ⊠ EXISTING CONTROLLER TO BE REMOVED AT COMPLETION OF PROJECT TO REMAIN (TO POWER EXISTING LIGHTING WEST OF MYRTLE)
 - ▨ CONSTRUCTION STAGE-I
 - ▩ TEMPORARY PAVEMENT WITH TEMP. C&G



Delta Engineering, Inc.
CONSULTING ENGINEERS, CHICAGO, ILLINOIS

REVISIONS	
NAME	DATE
URS CORP	2/15/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
REMOVAL & TEMPORARY LIGHTING PLAN
FROM STA. 2+150 TO STA. 2+700

DATE 12/12/07

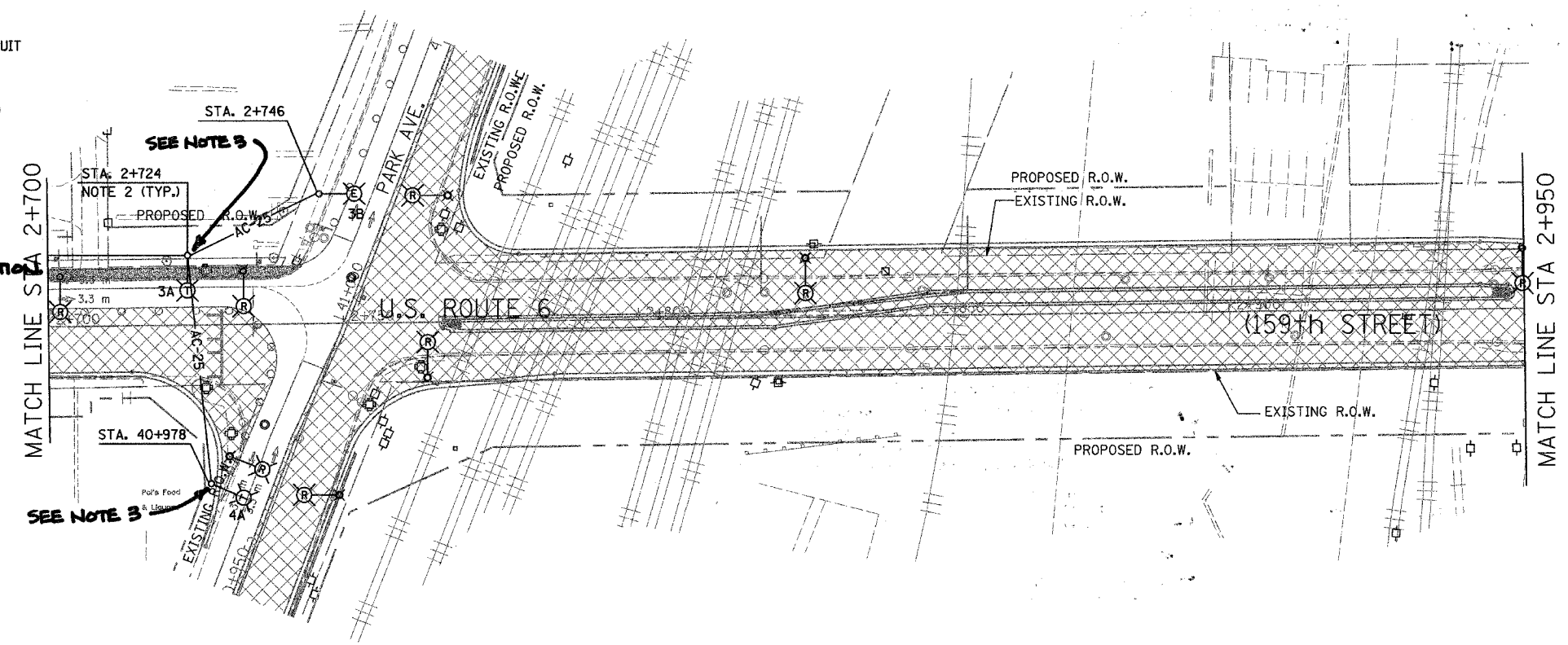
DRAWN BY S.S./W.S.
CHECKED BY C.K./H.S.

DRAWING No. E-5

60E10

LEGEND

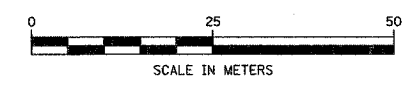
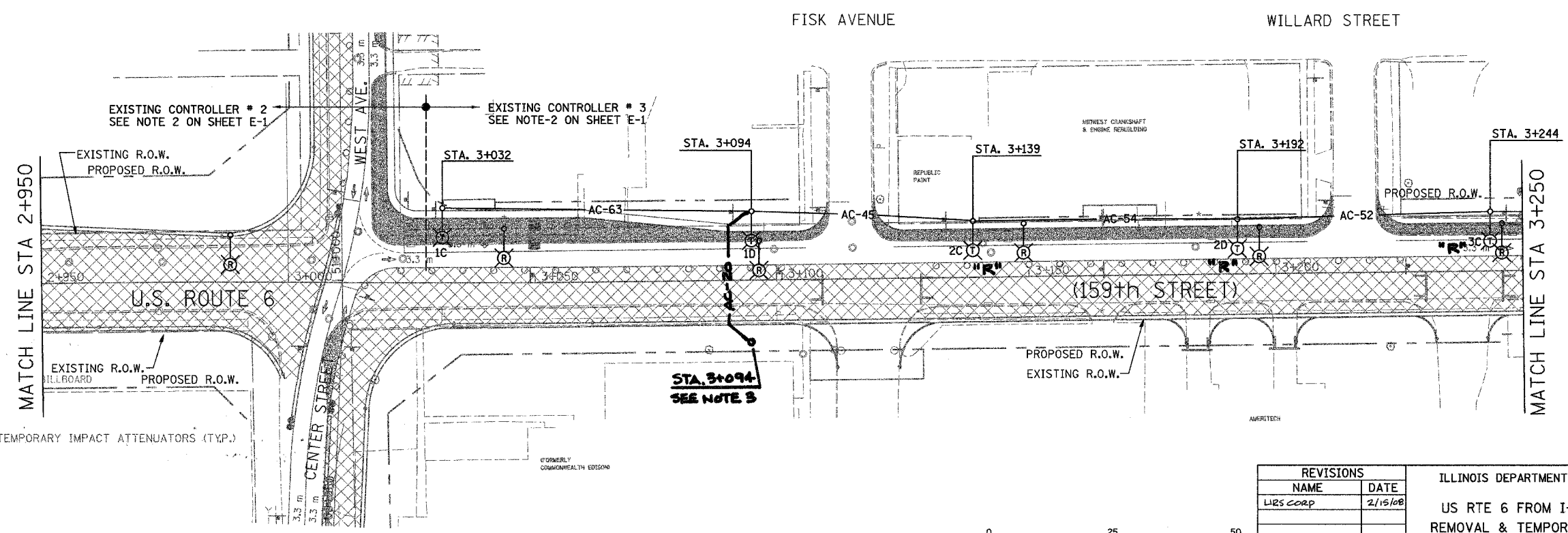
- ⊗ EXISTING LTG. POLE TO BE REMOVED
- ⊙ EXISTING LTG. POLE TO REMAIN "AS IS" ON THE EXISTING CIRCUIT DURING CONSTRUCTION STAGE I ONLY. TO BE REMOVED DURING CONSTRUCTION STAGE II.
- ▭ EXISTING PAVEMENT, SHOULDER CURB & GUTTER TO BE REMOVED BY OTHERS
- AC-XX— TEMPORARY AERIAL CABLE 3-1/C NO. 2 ALUMINUM WITH STEEL MESSENGER WIRE XX-INDICATES LENGTH IN METERS
- ⊙ LIGHT POLE, WOOD, WITH 4.5M MAST ARM AND 400W HPS LUMINAIRES DURING CONSTRUCTION STAGE I ONLY AND TO BE REMOVED DURING CONSTRUCTION STAGE II, SEE NOTE-6 ON SHEET E-1. LETTER DENOTES CIRCUIT IN EXISTING CONTROLLER. "R" - TEMP. POLE TO REMAIN POST-CONSTRUCTION.
- LIGHT POLE, WOOD, FOR SUPPORT OF TEMPORARY AERIAL CABLE DURING CONSTRUCTION STAGE I
- ⊗ EXISTING CONTROLLER TO BE REMOVED AT COMPLETION OF PROJECT
- ▨ CONSTRUCTION STAGE-I
- ▩ TEMPORARY PAVEMENT WITH TEMP. C&G



NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-1.
2. SETBACK FOR THE TEMPORARY POLES SHALL BE 1.82 M (6') MINIMUM FROM THE BACK OF THE CURB.

3. TEMPORARY SERVICE WOOD POLE. REFER TO CONSTRUCTION AND LIGHTING DETAILS SHEET.



Delta Engineering, Inc.
CONSULTING ENGINEERS, CHICAGO, ILLINOIS.

REVISIONS	
NAME	DATE
LIES CORP	2/15/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
REMOVAL & TEMPORARY LIGHTING PLAN
FROM STA. 2+700 TO STA. 3+250

DATE 12/12/07

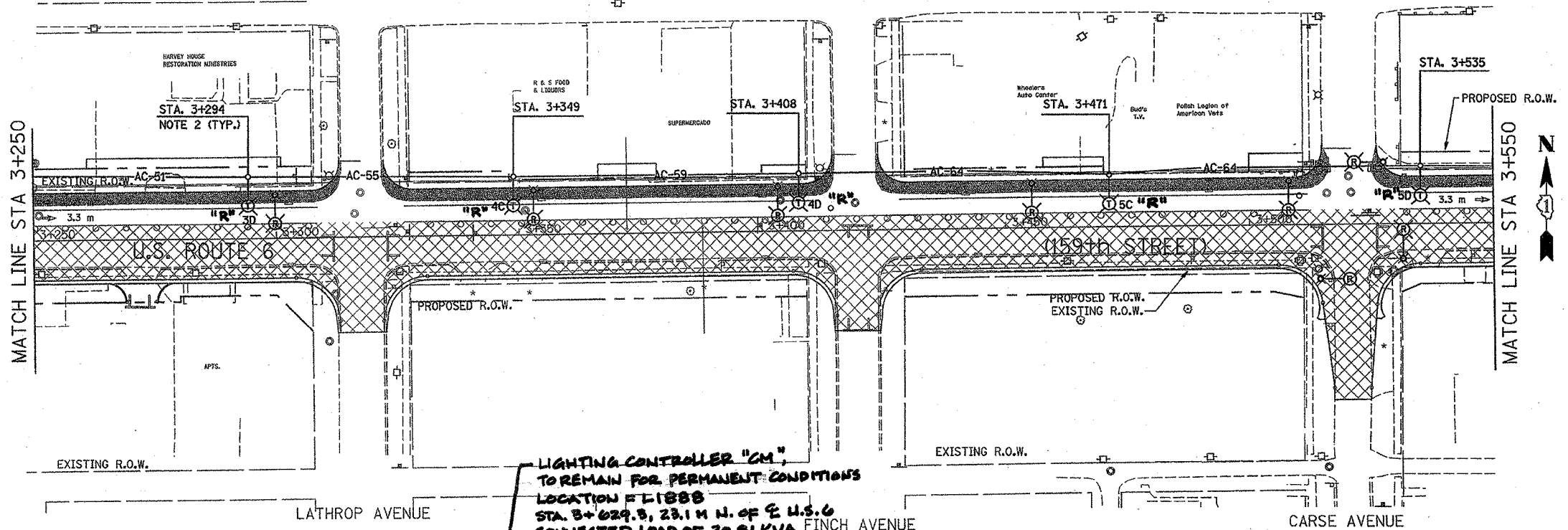
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CHECKED BY C.K./H.S.

DRAWING No. E-6

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	163
STA. 3+250		TO STA. 3+850		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		60E10	

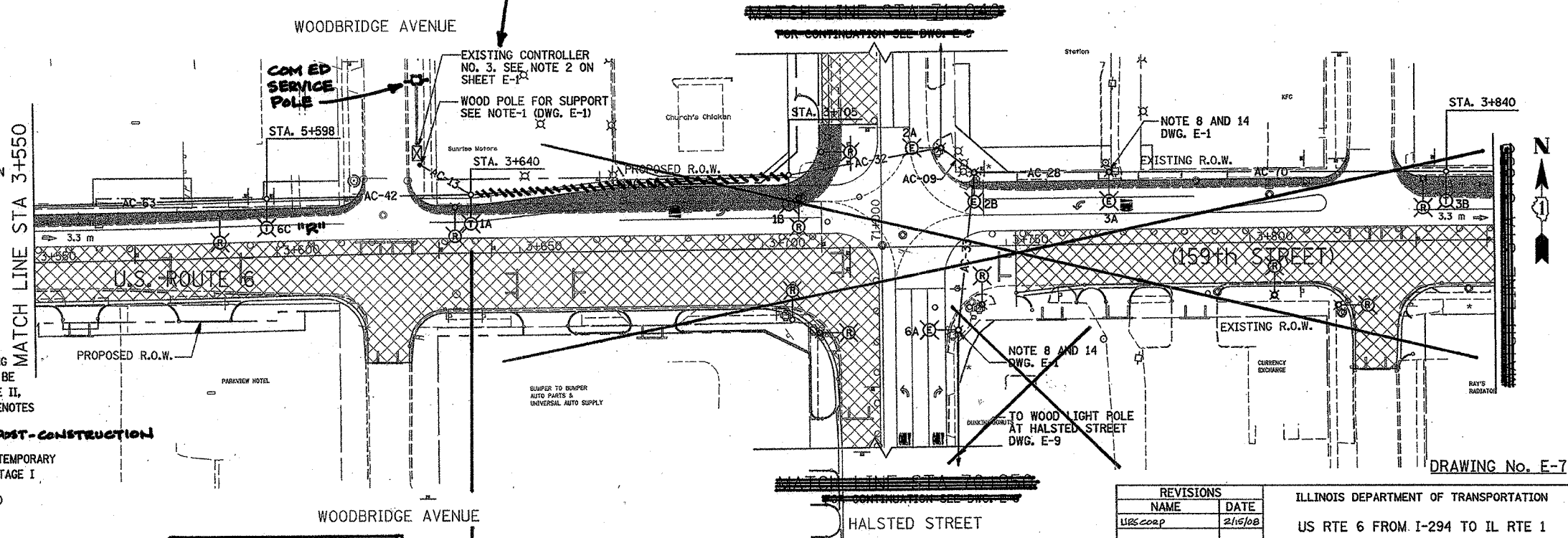
NOTES:

- REFER TO LIGHTING NOTES ON DRAWING E-1.
- SETBACK FOR THE TEMPORARY POLES SHALL BE 1.82 M (6') MINIMUM FROM THE BACK OF THE CURB.



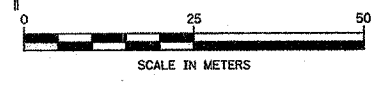
LIGHTING CONTROLLER "CM"
 TO REMAIN FOR PERMANENT CONDITIONS
 LOCATION F-1888
 STA. 3+629.8, 23.1 M N. OF E U.S. 6
 CONNECTED LOAD OF 20.81 KVA

- LEGEND**
- EXISTING LTG. POLE TO BE REMOVED
 - EXISTING LTG. POLE TO REMAIN "AS IS" ON THE EXISTING CIRCUIT DURING CONSTRUCTION STAGE I ONLY. TO BE REMOVED DURING CONSTRUCTION STAGE II
 - EXISTING PAVEMENT, SHOULDER CURB & GUTTER TO BE REMOVED BY OTHERS
 - TEMPORARY AERIAL CABLE 3-1/C NO. 2 ALUMINUM WITH STEEL MESSENGER WIRE XX-INDICATES LENGTH IN METERS
 - LIGHT POLE, WOOD, WITH 4.5M MAST ARM AND 400W HPS LUMINAIRES DURING CONSTRUCTION STAGE I ONLY AND TO BE REMOVED DURING CONSTRUCTION STAGE II. SEE NOTE-6 ON SHEET E-1. LETTER DENOTES CIRCUIT IN EXISTING CONTROLLER.
TR - TEMP. POLE TO REMAIN POST-CONSTRUCTION
 - LIGHT POLE, WOOD, FOR SUPPORT OF TEMPORARY AERIAL CABLE DURING CONSTRUCTION STAGE I
 - EXISTING CONTROLLER TO BE REMOVED AT COMPLETION OF PROJECT
 - CONSTRUCTION STAGE I.
 - TEMPORARY PAVEMENT WITH TEMP. C&G



END PROPOSED LIGHTING IMPROVEMENTS - STA 3+640 CONTRACT 60E10

PROPOSED IMPROVEMENTS IN CONTRACT 60774



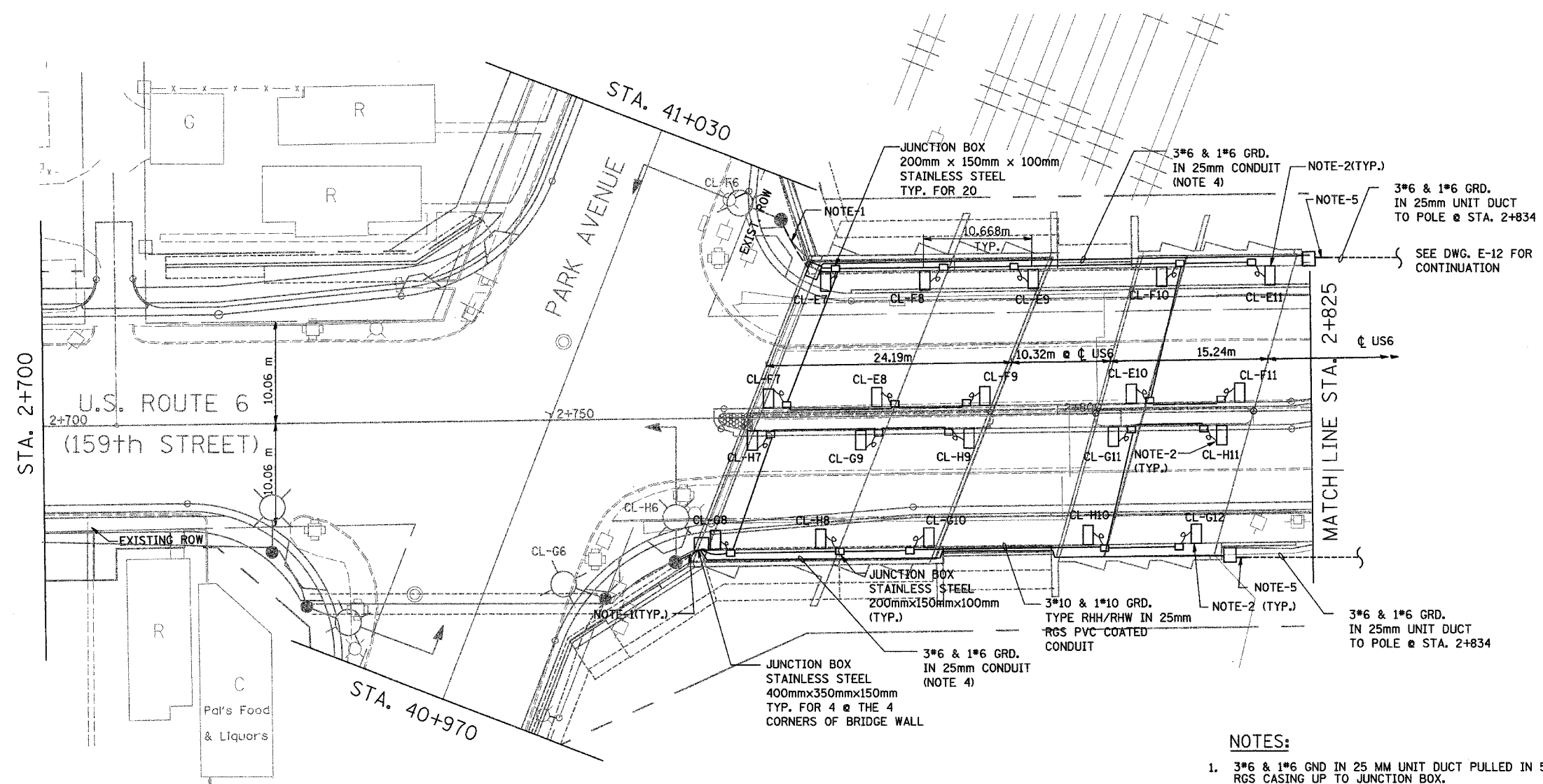
REVISIONS	
NAME	DATE
UBS/COOP	2/15/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 REMOVAL & TEMPORARY LIGHTING PLAN
 FROM STA. 3+250 TO STA. 3+850
 DRAWN BY S.S./W.S.
 CHECKED BY C.K./H.S.
 DATE 12/12/07






Delta Engineering, Inc.
 CONSULTING ENGINEERS, CHICAGO ILLINOIS

DRAWING No. E-7

60E10



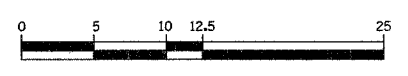
SYMBOLS & LEGENDS:

-  UNDER PASS LUMINAIRE 70 WATT, HIGH PRESSURE SODIUM VAPOR
-  JUNCTION BOX STAINLESS STEEL 200mmx150mmx100mm
-  JUNCTION BOX STAINLESS STEEL 400mmx350mmx150mm
-  UNIT DUCT
-  CONDUIT ATTACHED TO STRUCTURE

NOTES:

1. 3*6 & 1*6 GND IN 25 MM UNIT DUCT PULLED IN 50 MM RGS CASING UP TO JUNCTION BOX.
2. FIXTURES TO BE SURFACE MOUNTED ON ABUTMENT WALL OR CENTER CONCRETE SURFACE AS SHOWN ON DETAIL.
3. ALL EXPOSED CONDUITS TO BE RGS PVC COATED UNLESS NOTED.
4. ROUTE ALL CONDUITS ON ROADSIDE OF ABUTMENT WALL AS HIGH AS POSSIBLE.
5. ROUTE CABLE DUCT IN 50MM RGS PVC COATED CONDUIT ATTACHED TO STRUCTURE FROM JUNCTION BOX. TERMINATE CONDUIT 30" (0.76 M) BELOW GRADE WITH 90 DEGREE ELBOW.

DRAWING No. E-11



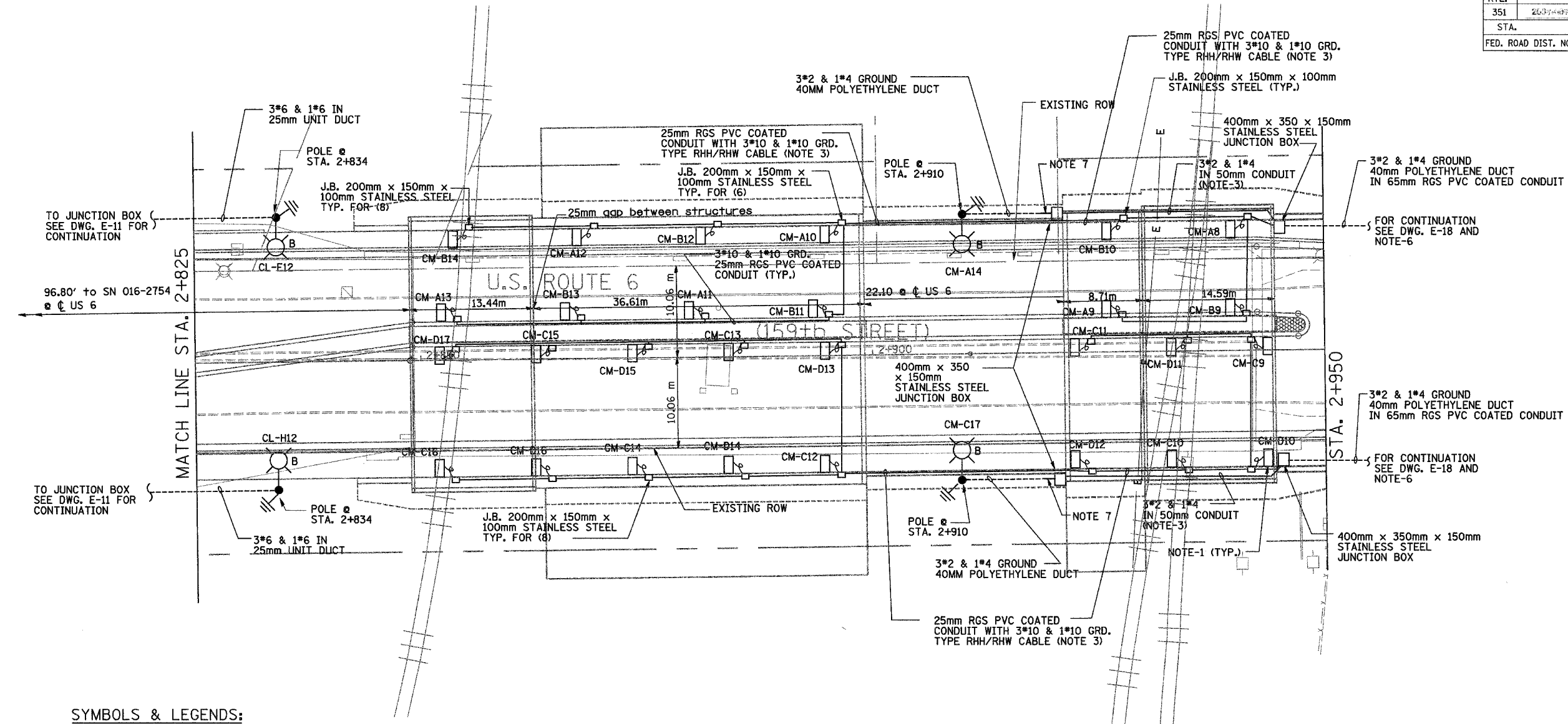
REVISIONS	
NAME	DATE
URS CORP	2/15/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 UNDERPASS LIGHTING PLAN
 SHEET 1 OF 2

SCALE AS NOTED
 DATE 12/12/07

DRAWN BY S.S./W.S.
 CHECKED BY C.K./H.S.

60E10



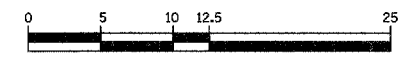
SYMBOLS & LEGENDS:

- UNDER PASS LUMINAIRE 70 WATT, HIGH PRESSURE SODIUM VAPOR
- JUNCTION BOX STAINLESS STEEL 200mmx150mmx100mm
- JUNCTION BOX STAINLESS STEEL 400mmx350mmx150mm
- UNIT DUCT
- CONDUIT ATTACHED TO STRUCTURE
- PROPOSED ALUMINUM LIGHT POLE (14.5 M M.H., 2.5M MAST ARM), FOUNDATION & 310W HPS LUMINAIRE. 'CH' DENOTES CONTROLLER NO. 'A' DENOTES CIRCUIT NUMBER. 'X' DENOTES POLE NO. 'B' DENOTES BREAKAWAY DEVICE AT THE POLE BASE.
- GROUND ROD, 16MM DIA, X 3.0M LONG

NOTES:

1. FIXTURES TO BE MOUNTED ON ABUTMENT WALL OR CENTER.
2. SEE DRAWING E-13 FOR FIXTURE MOUNTING DETAIL.
3. ROUTE ALL CONDUITS ON ROADSIDE OF ABUTMENT WALL AS HIGH AS POSSIBLE.
4. FIXTURE SHALL BE 70W HIGH PRESSURE SODIUM VAPOR FIXTURE WITH STAINLESS STEEL HOUSING. MOUNT FIXTURE 4.24 M ABOVE FINISHED ROADWAY ON ABUTMENT WALL OR CENTER CONCRETE SURFACE.
5. ALL EXPOSED CONDUITS TO BE RGS PVC COATED UNLESS NOTED.
6. ROUTE CABLE DUCT IN CASING UP TO STATION 2+960 UNDER WALKWAY AND CONTINUE IN TRENCH AS SHOWN ON DWG. E-18.
7. ROUTE CABLE DUCT IN 65MM RGS PVC COATED CONDUIT ATTACHED TO STRUCTURE FROM THE JUNCTION BOX. CONDUIT SHALL TERMINATE 30" (.76M) BELOW GRADE WITH 90 DEGREE ELBOW

DRAWING No. E-12



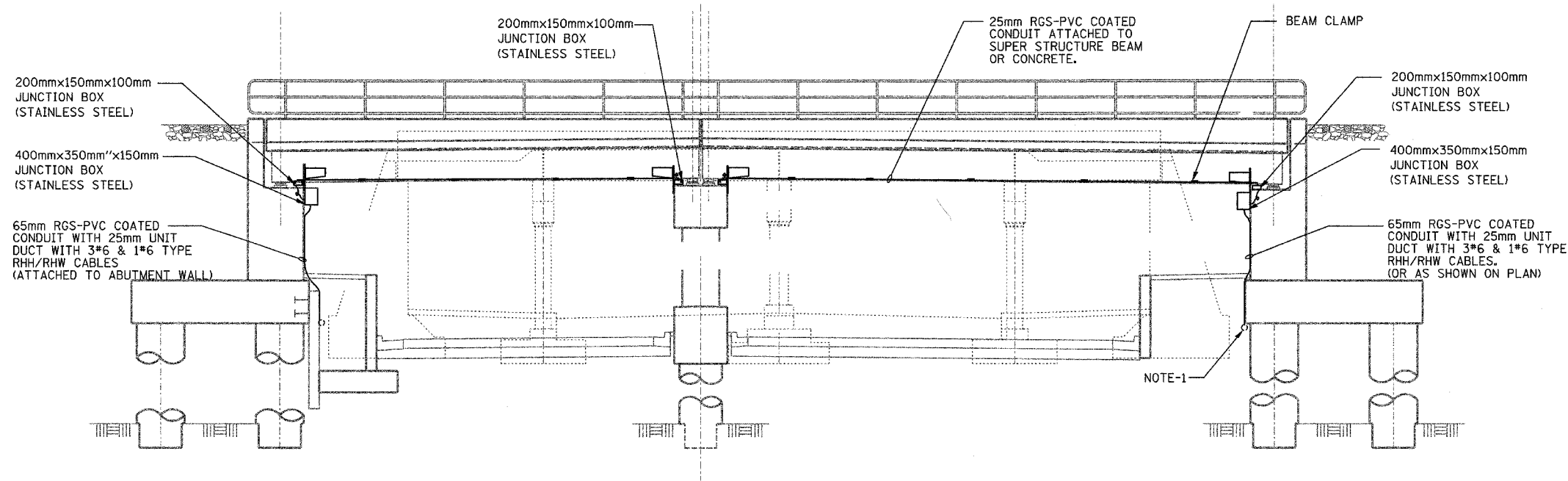
Delta Engineering, Inc.
CONSULTING ENGINEERS, CHICAGO, ILLINOIS

REVISIONS	
NAME	DATE

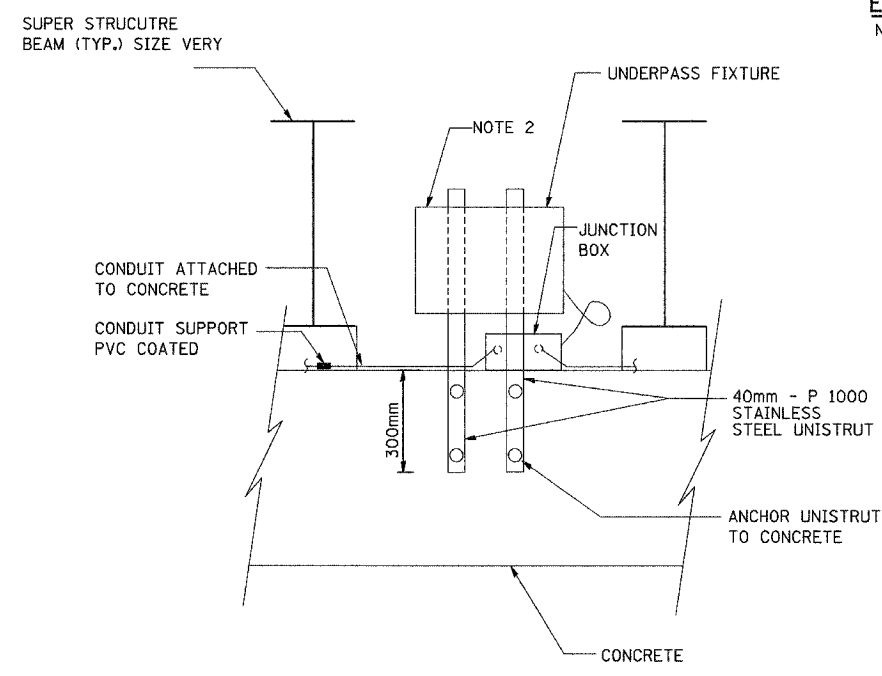
ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
UNDERPASS LIGHTING PLAN
SHEET 2 OF 2

SCALE AS NOTED
DATE 12/12/07

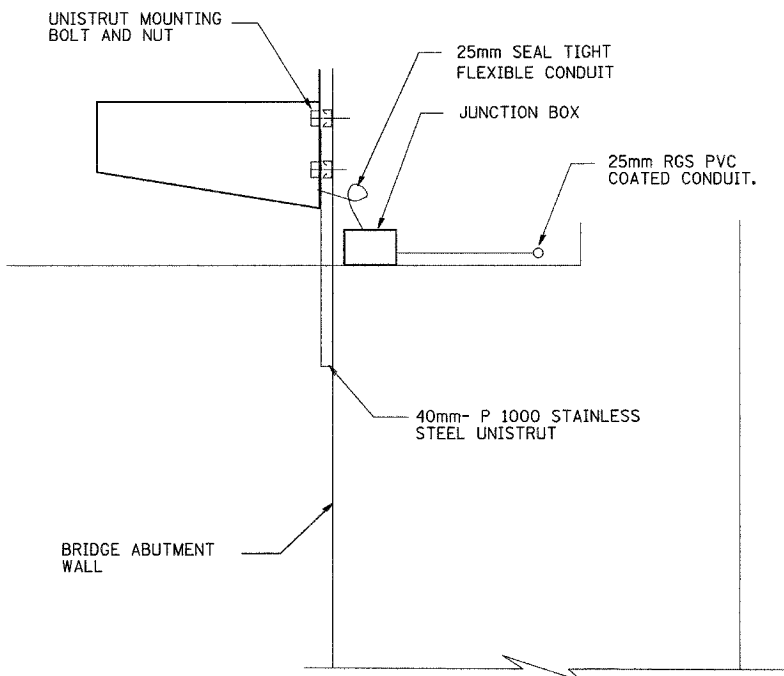
DRAWN BY S.S./W.S.
CHECKED BY C.K./H.S.



ELEVATION
N.T.S.



FRONT VIEW
N.T.S.



UNDERPASS FIXTURE MOUNTING DETAIL
N.T.S.

NOTES:

1. ROUTE CONDUIT 0.6M BELOW WALKWAY. SEE PLAN DRAWINGS E-12 AND E-18 FOR CONTINUATION.
2. CENTER FIXTURE BETWEEN SUPER STRUCTURE BEAM AND APPROXIMATE 1" ABOVE BOTTOM OF BEAM.
3. ON SKEWED BRIDGE ADD BLOCKING OR MULTIPLE UNISTRUTTO POSITION FIXTURE PARALLEL TO STRUCTURAL BEAM.

DRAWING No. E-13

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
UNDERPASS LIGHTING DETAIL

SCALE AS NOTED
DATE 12/12/07

DRAWN BY S.S./W.S.
CHECKED BY C.K./H.S.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	157
STA. 2+700		TO STA. 3+250		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

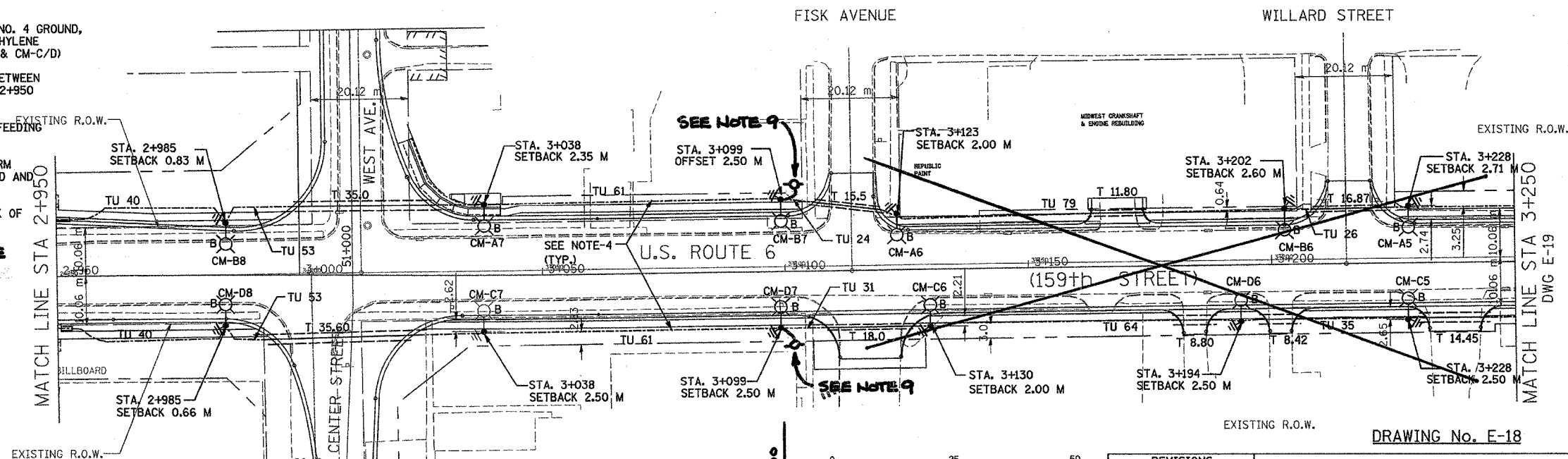
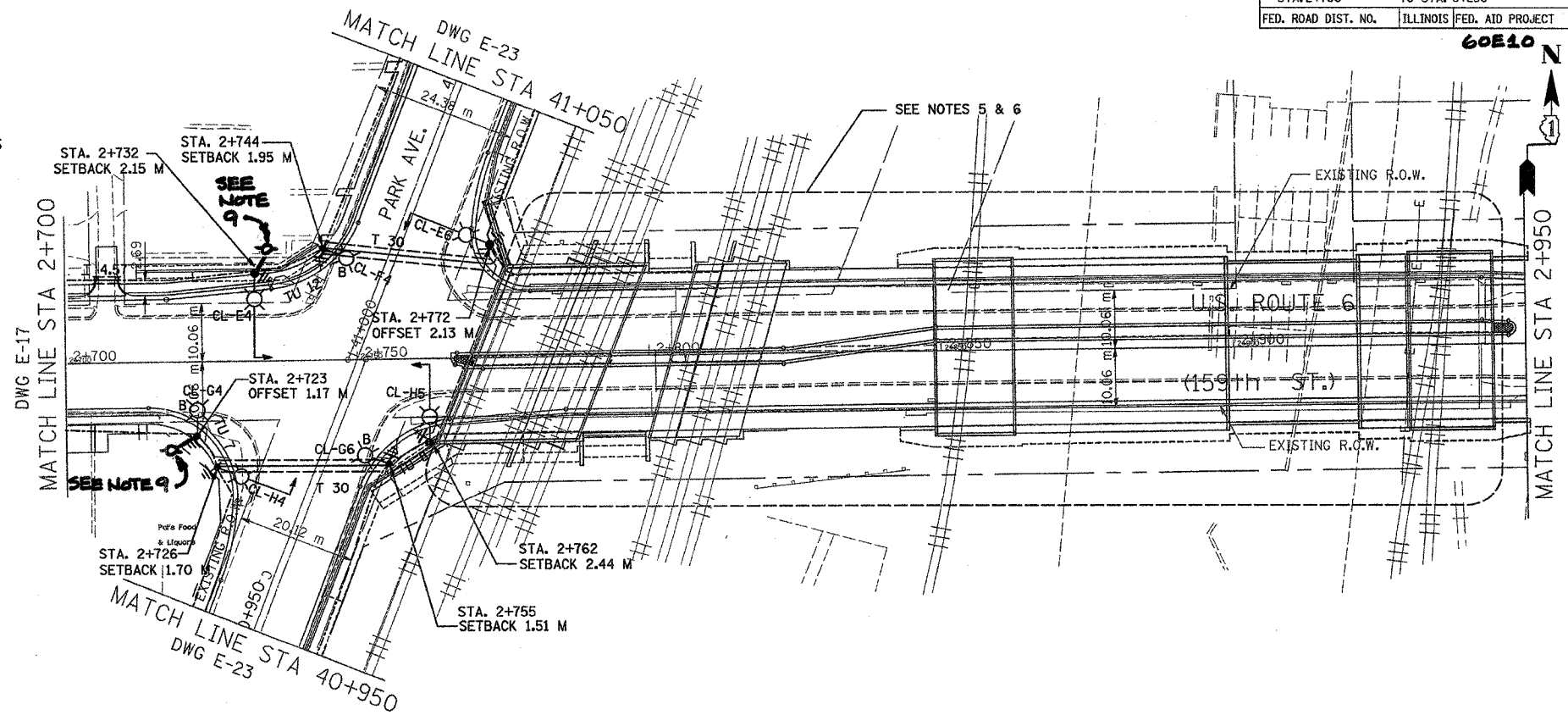
60E10

LEGEND

- P XX GALVANIZED STEEL CONDUIT PUSHED (P) UNDER DRIVEWAYS/PAVEMENT 65MM, XX DENOTES LENGTH IN METERS.
- CH-AX PROPOSED ALUMINUM LIGHT POLE (14.5 M M.H., 2.5M MAST ARM), FOUNDATION & 310W HPS LUMINAIRE. 'CH' DENOTES CONTROLLER NO. 'A' DENOTES CIRCUIT NUMBER. 'X' DENOTES POLE NO. 'B' DENOTES BREAKAWAY DEVICE AT THE POLE BASE.
- UNDER GROUND SERVICE 50mm GALVANIZED STEEL
- EXISTING CONTROLLER TO BE REMOVED AT COMPLETION OF PROJECT
- PROPOSED CONTROLLER
- GALVANIZED STEEL
- TU XX TU DENOTES UNIT DUCT IN TRENCH, SIZES AS NOTED ON PLANS, XX-DENOTES LENGTH IN METERS.
- GROUND ROD, 16MM DIA, X 3.0M LONG
- T XX GALVANIZED STEEL CONDUIT IN TRENCH (T) UNDER DRIVEWAYS/PAVEMENT 65MM, XX DENOTES LENGTH IN METERS.
- TEMPORARY WOOD POLE (SEE DETAIL SHEET 174)**
- GROUND FIELD FOR CONTROLLERS. 2/0 AWG BARE COPPER WIRE
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (BY TRAFFIC SIGNAL CONTRACTOR, SEE NOTE-6)

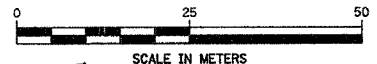
NOTES:

1. ALL DIMENSIONS ARE IN METERS.
2. REFER TO LIGHTING NOTES ON DRAWING E-1.
3. UNIT DUCT, WITH 3-1/C NO. 6 AND 1-1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 25MM DIA., POLYETHYLENE UNLESS OTHERWISE NOTED.
4. UNIT DUCT, WITH 3-1/C NO. 2 AND 1-1/C NO. 4 GROUND, 600V (EPR-TYPE RHW), 40MM DIA., POLYETHYLENE UNLESS OTHERWISE NOTED. (CKT CM-A/B & CM-C/D)
5. FOR UNDERPASS AND ROADWAY LIGHTING BETWEEN EAST END OF PARK AVENUE AND STATION 2+950 SEE DWGS E-11 & E-12.
6. FOR LOCATION OF MAIN JUNCTION BOXES FEEDING UNDERPASS LIGHTS, SEE DWG. E-12.
7. LUMINAIRE ON THE COMBINATION MAST ARM ASSEMBLY SHALL BE FURNISHED, INSTALLED AND WIRED BY THE LIGHTING CONTRACTOR.
8. POLES SETBACK ARE MEASURED FROM BACK OF THE CURB.
9. **CONNECT POWER FROM BASE OF PERMANENT POLE TO TEMPORARY WOOD POLE - SEE TEMPORARY LIGHTING PLANS, AND DETAIL ON SHEET 174.**



END PROPOSED LIGHTING IMPROVEMENTS STA. 3+100 CONTRACT 60E10

PROPOSED IMPROVEMENTS IN CONTRACT 60714



REVISIONS	
NAME	DATE
LIRS CORP	2/11/10

ILLINOIS DEPARTMENT OF TRANSPORTATION

US RTE 6 FROM I-294 TO IL RTE 1 PROPOSED LIGHTING PLAN AND POLES LOCATIONS FROM STA. 2+700 TO STA. 3+250











SCALE AS NOTED DRAWN BY S.S./W.S.
DATE 12/12/07 CHECKED BY C.K./H.S.

Delta Engineering, Inc.
CONSULTING ENGINEERS, CHICAGO, ILLINOIS.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	168
STA. 40+800		TO STA. 41+200		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

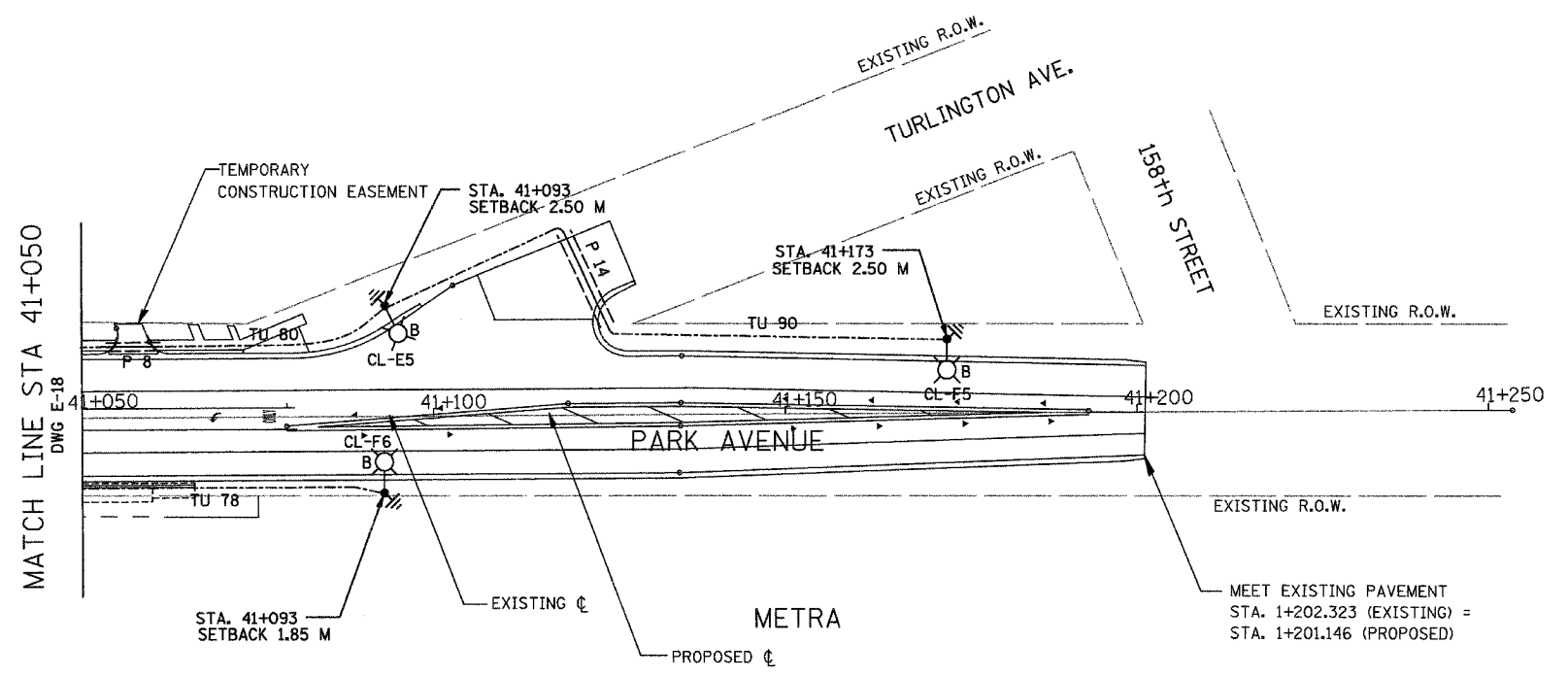
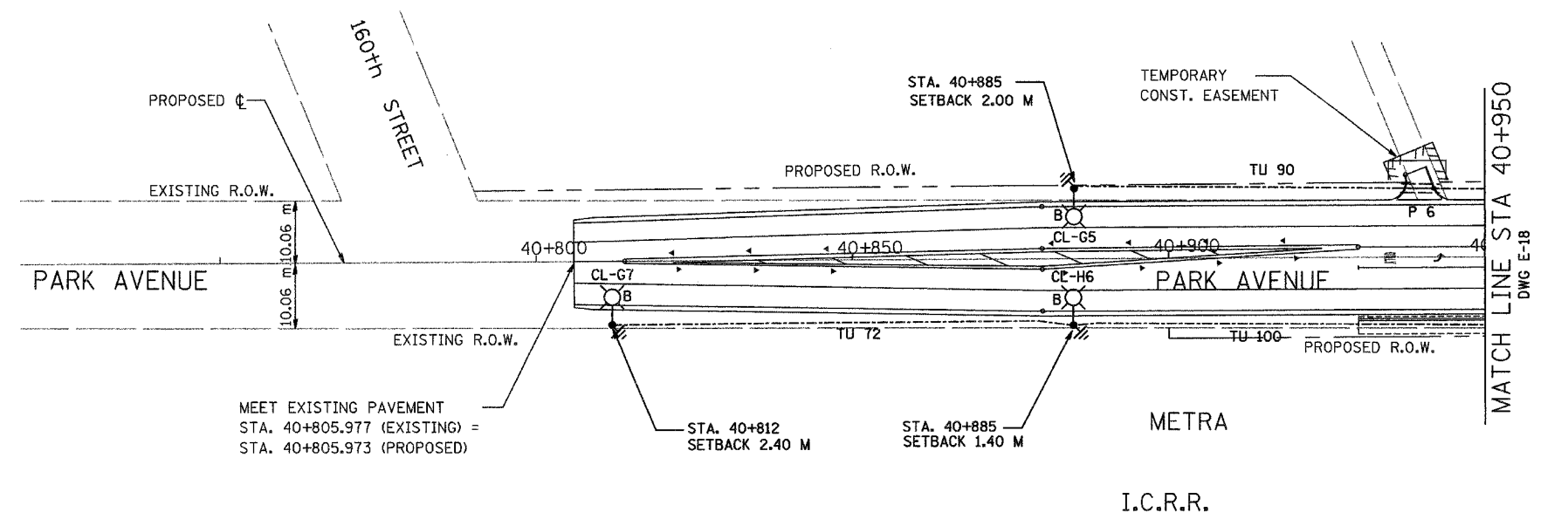
60E10

LEGENDS

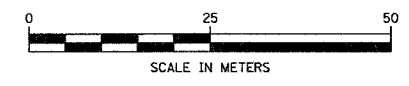
-  GALVANIZED STEEL CONDUIT PUSHED (P) UNDER DRIVEWAYS/PAVEMENT 65MM, XX DENOTES LENGTH IN METERS.
-  PROPOSED ALUMINUM LIGHT POLE (14.5 M M.H., 2.5M MAST ARM), FOUNDATION & 310W HPS LUMINAIRE. 'CH' DENOTES CONTROLLER NO. 'A' DENOTES CIRCUIT NUMBER. 'X' DENOTES POLE NO. 'B' DENOTES BREAKAWAY DEVICE AT THE POLE BASE.
-  UNDER GROUND SERVICE 50mm GALVANIZED STEEL
-  EXISTING CONTROLLER TO BE REMOVED AT COMPLETION OF PROJECT
-  PROPOSED CONTROLLER
-  GALVANIZED STEEL
-  TU XX TU DENOTES UNIT DUCT IN TRENCH, SIZES AS NOTED ON PLANS, XX-DENOTES LENGTH IN METERS.
-  GROUND ROD, 16MM DIA, X 3.0M LONG
-  GALVANIZED STEEL CONDUIT IN TRENCH (T) UNDER DRIVEWAYS/PAVEMENT 65MM, XX DENOTES LENGTH IN METERS.
-  GROUND FIELD FOR CONTROLLERS. 2/0 AWG BARE COPPER WIRE

NOTES:

1. ALL DIMENSIONS ARE IN METERS.
2. REFER TO LIGHTING NOTES ON DRAWING ON E-1.
3. UNIT DUCT, WITH 3-1/C NO. 6 AND 1-1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 25MM DIA., POLYETHYLENE UNLESS OTHERWISE NOTED.
4. POLES SETBACK ARE MEASURED FROM BACK OF THE CURB.



DRAWING No. E-23

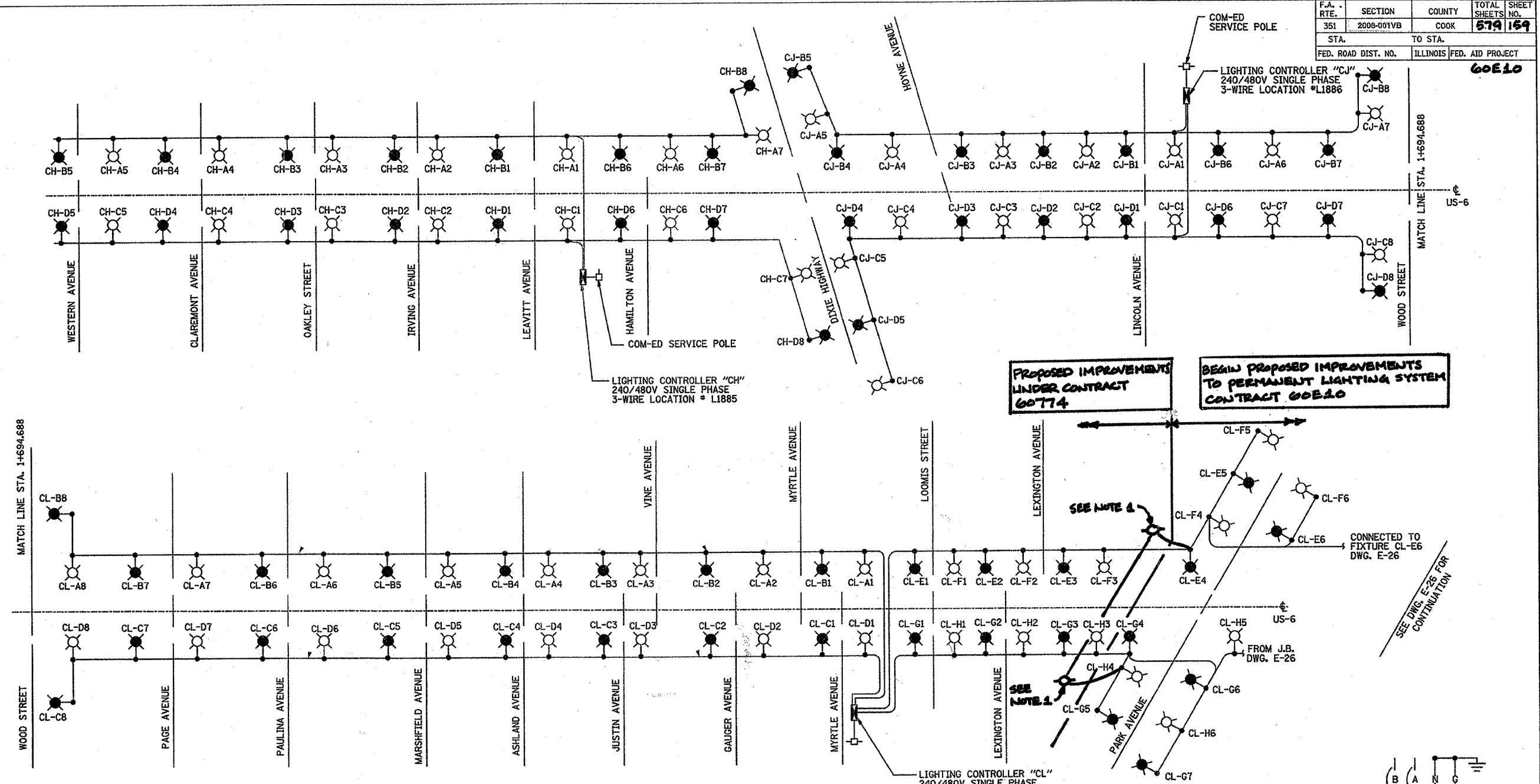


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 PROPOSED LIGHTING PLAN
 AND POLE LOCATIONS
 STA. 40+800 TO STA. 41+200
 SCALE AS NOTED
 DATE 12/12/07
 DRAWN BY S.S./W.S.
 CHECKED BY C.K/H.S.

 Delta Engineering, Inc.
 CONSULTING ENGINEERS, CHICAGO, ILLINOIS.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
351	2008-001VB	COOK	579/169
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		60E10



MATCH LINE STA. 1+694.688

MATCH LINE STA. 1+694.688

NOTES:
 1. REMOVE FIXTURES FROM TEMPORARY POLES CL-E4 AND CL-G4. CONNECT TEMPORARY AERIAL CABLE CIRCUIT E/F TO PERMANENT CIRCUITS E AND F. ROUTE AERIAL CABLE CIRCUIT G/H ACROSS ROADWAY TO TEMPORARY WOOD POLE CL-G4 AND CONNECT TO PERMANENT CIRCUITS G AND H.

LOAD TABULATION FOR LIGHTING CONTROLLER "CH"

CIRCUIT	LAMP LOAD	TOTAL LOAD	AMPS
A (240V)	7 @ 310 W HPS	2387	9.95
B (240V)	8 @ 310 W HPS	2728	11.37
C (240V)	7 @ 310 W HPS	2387	9.95
D (240V)	8 @ 310 W HPS	2728	11.37
(480V)	TOTAL VA	10230	21.31

LOAD TABULATION FOR LIGHTING CONTROLLER "CL"

CIRCUIT	LAMP LOAD	TOTAL LOAD	AMPS
A (240V)	8 @ 310 W HPS	2728	11.37
B (240V)	8 @ 310 W HPS	2728	11.37
C (240V)	8 @ 310 W HPS	2728	11.37
D (240V)	8 @ 310 W HPS	2728	11.37
E (240V)	6 @ 310 W HPS 5 @ 70 W HPS	2471	10.29
F (240V)	7 @ 310 W HPS 5 @ 70 W HPS	2812	11.71
G (240V)	7 @ 310 W HPS 5 @ 70 W HPS	2812	11.71
H (240V)	7 @ 310 W HPS 5 @ 70 W HPS	2812	11.71
(480V)	TOTAL VA	21819	45.45

LOAD TABULATION FOR LIGHTING CONTROLLER "CJ"

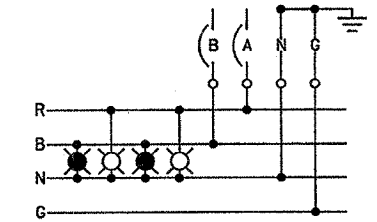
CIRCUIT	LAMP LOAD	TOTAL LOAD	AMPS
A (240V)	7 @ 310 W HPS	2387	9.95
B (240V)	8 @ 310 W HPS	2728	11.37
C (240V)	8 @ 310 W HPS	2728	11.37
D (240V)	8 @ 310 W HPS	2728	11.37
(480V)	TOTAL VA	10571	22.02

PROPOSED IMPROVEMENTS UNDER CONTRACT 60774

BEGIN PROPOSED IMPROVEMENTS TO PERMANENT LIGHTING SYSTEM CONTRACT 60E10

LIGHTING CONTROLLER "CL"
 240/480V SINGLE PHASE
 3-WIRE LOCATION * L1887
 (CONTROLLER SHALL ALSO POWER "TEMP" LIGHTING ON WOOD POLES BETWEEN MYRTLE AVENUE AND PARK AVENUE)

- LEGEND:**
- ⊗ 310 HPS M-C 111 LUMINAIRE ON RED CABLE
 - ⊗ 310 HPS M-C 111 LUMINAIRE ON BLACK CABLE
 - PROPOSED LIGHTING CONTROLLER
 - ⊕ ComEd SERVICE POLE
 - TEMPORARY WOOD POLE



LUMINAIRE WIRING DETAIL (TYPICAL)

DRAWING No. E-25

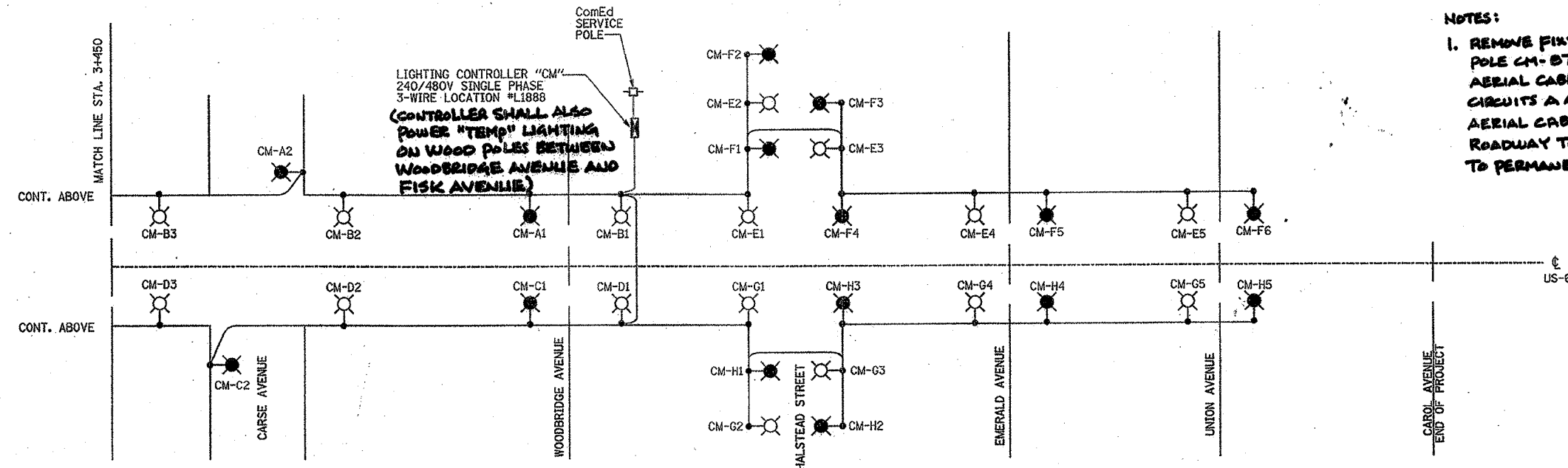
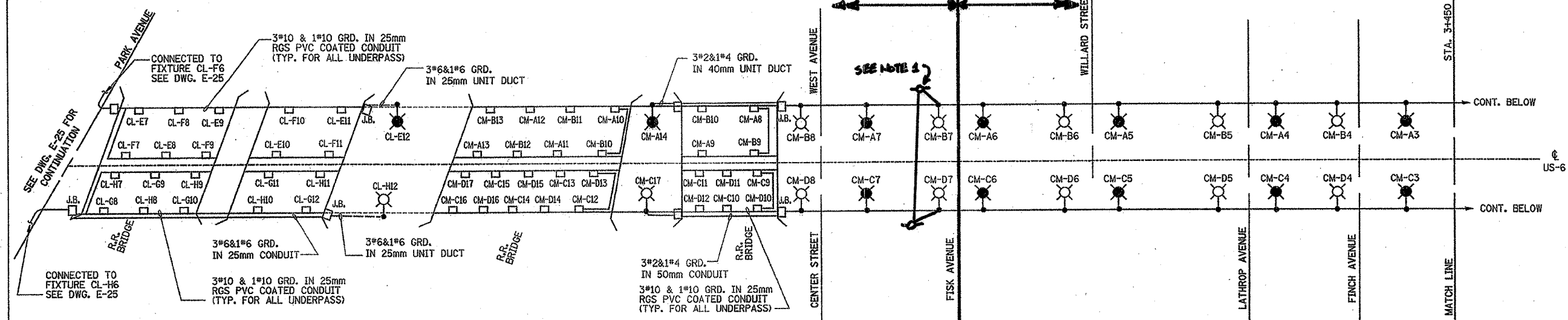
REVISIONS	
NAME	DATE
LRS Corp	2/15/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 SINGLE LINE DIAGRAM
 PROPOSED LIGHTING
 SHEET '1' OF '2'
 SCALE AS NOTED
 DATE 12/12/07
 DRAWN BY S.S./W.S.
 CHECKED BY C.K./H.S.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	160
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**END PROPOSED IMPROVEMENTS
TO PERMANENT LIGHTING SYSTEM
CONTRACT 60E10**

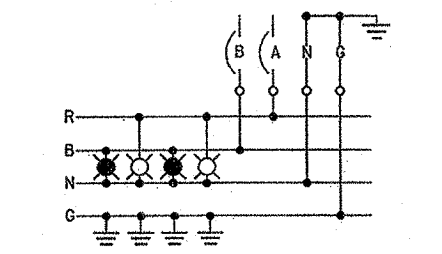
**PROPOSED IMPROVEMENTS
UNDER CONTRACT 60T14**



NOTES:
1. REMOVE FIXTURE FROM TEMPORARY POLE CM-B7 AND CONNECT TEMPORARY AERIAL CABLE CIRCUIT A/B TO PERMANENT CIRCUITS A AND B. ROUTE TEMPORARY AERIAL CABLE CIRCUIT C/D ACROSS ROADWAY TO WOOD POLE AND CONNECT TO PERMANENT CIRCUITS C AND D.

LOAD TABULATION FOR LIGHTING CONTROLLER "CM"

CIRCUIT	LAMP LOAD	TOTAL LOAD	AMPS
A (240V)	8 @ 310 W HPS 6 @ 70 W HPS	3238	13.50
B (240V)	8 @ 310 W HPS 6 @ 70 W HPS	3238	13.50
C (240V)	8 @ 310 W HPS 8 @ 70 W HPS	3408	14.20
D (240V)	8 @ 310 W HPS 8 @ 70 W HPS	3408	14.20
E (240V)	5 @ 310 W HPS	1705	7.10
F (240V)	6 @ 310 W HPS	2046	8.53
G (240V)	5 @ 310 W HPS	1705	7.10
H (240V)	5 @ 310 W HPS	1705	7.10
(480V)	TOTAL VA	20453	42.61



LUMINAIRE WIRING DETAIL (TYPICAL)

- LEGEND:**
- ⊗ 310 HPS M-C 111 LUMINAIRE ON RED CABLE
 - ⊗ 310 HPS M-C 111 LUMINAIRE ON BLACK CABLE
 - ⊞ PROPOSED LIGHTING CONTROLLER
 - ⊞ ComEd SERVICE POLE
 - ⊞ TEMPORARY WOOD POLE

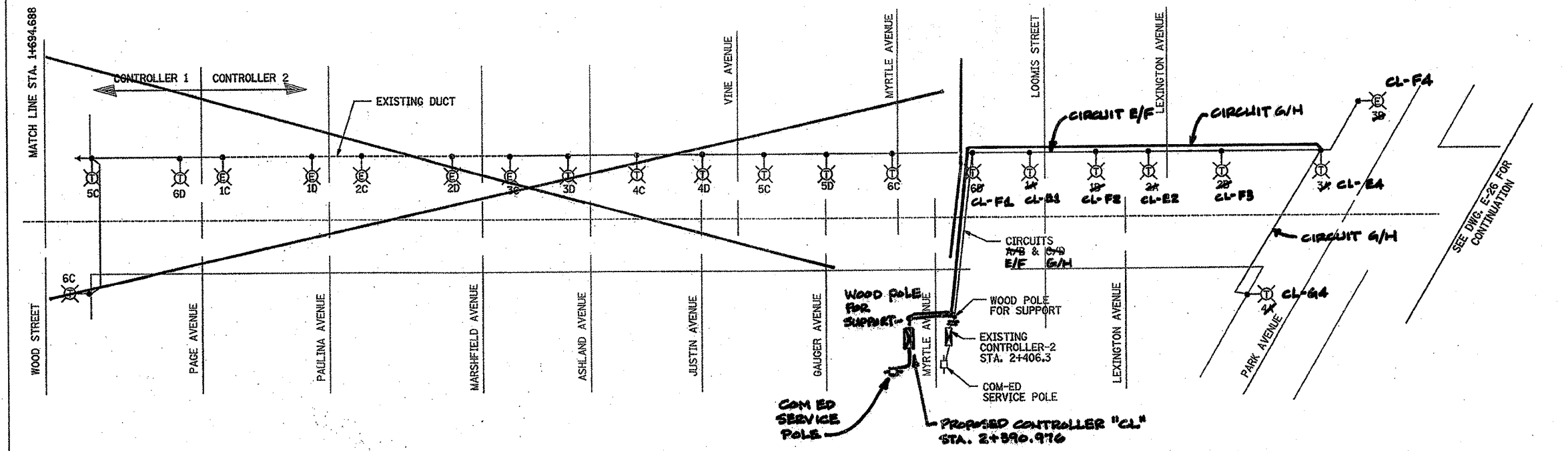
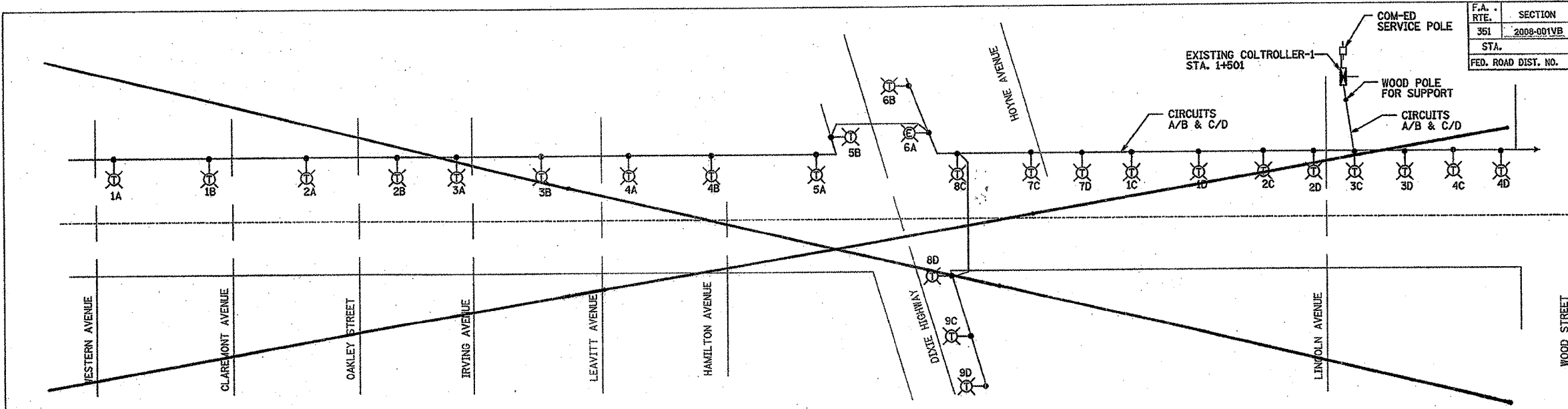
REVISIONS	
NAME	DATE
URS CORP	2/15/08

DRAWING No. E-26
ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
SINGLE LINE DIAGRAM
PROPOSED LIGHTING
SHEET '2' OF '2'
SCALE AS NOTED
DATE 12/12/07
DRAWN BY S.S./W.S.
CHECKED BY C.K./H.S.

Delta Engineering, Inc.
CONSULTING ENGINEERS, CHICAGO ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	101
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

60E10



LOAD TABLE

CONTROLLER 1		
CIRCUIT NO.	LOAD	CURRENT
A	2740W	11.41A
B	2800W	11.66A
C	4640W	19.33
D	4165W	17.35A

CONTROLLER 2		
CIRCUIT NO.	LOAD	CURRENT
A	1900W	7.91A
B	1425W	5.93A
C	2520W	10.5A
D	3105W	12.93A

- LEGEND:
- LIGHT POLE, WOOD, WITH 14.5 M MAST ARM
 - EXISTING LIGHT POLE
 - EXISTING LIGHTING CONTROLLER
 - ComEd SERVICE POLE
 - LIGHT POLE, WOOD, FOR SUPPORT

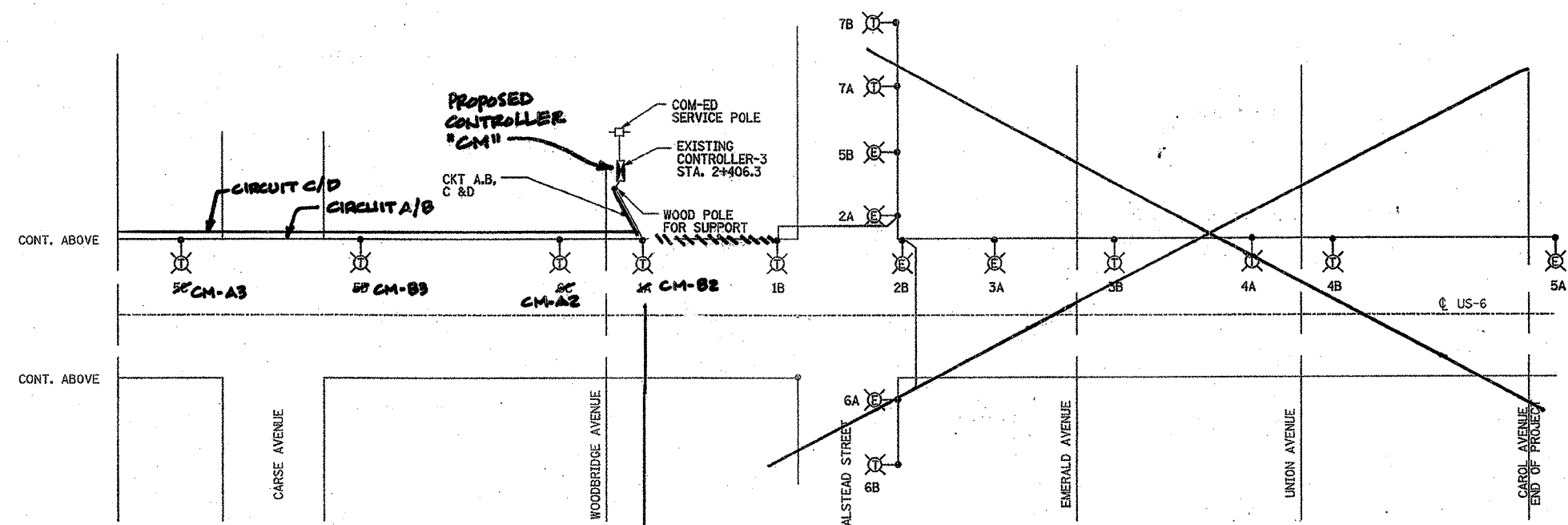
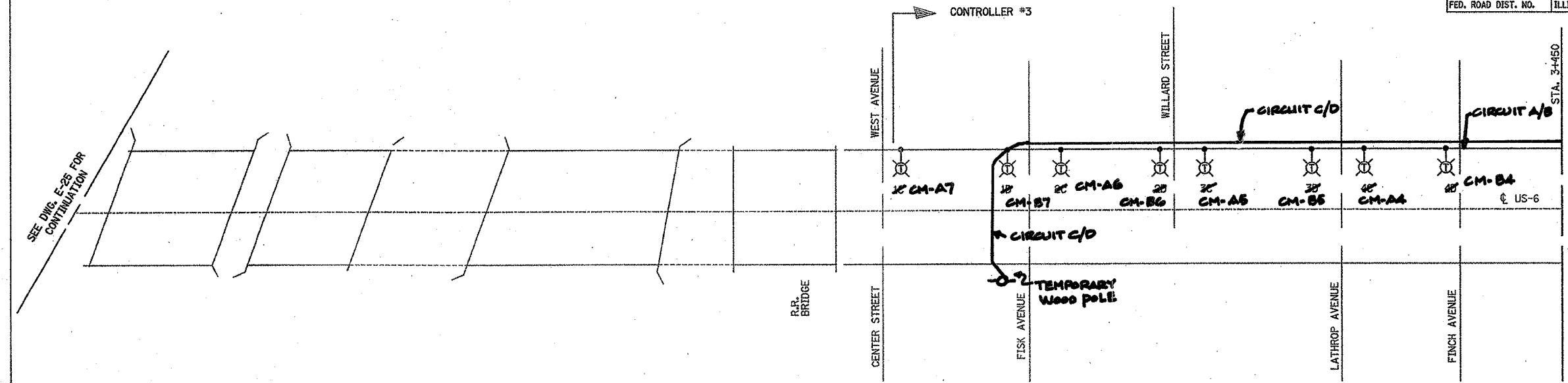
REVISIONS	
NAME	DATE
LRS corp	2/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 SINGLE LINE DIAGRAM
 TEMPORARY LIGHTING
 SHEET '1' OF '2'
 DRAWN BY S.S./W.S.
 CHECKED BY C.K./H.S.
 DATE 12/12/07

Delta Engineering, Inc.
 CONSULTING ENGINEERS, CHICAGO, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
351	2008-001VB	COOK	519 102
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

60E10



LOAD TABLE

CONTROLLER 3		
CIRCUIT NO.	LOAD	CURRENT
A	2410W	10.75A
B	3105W	9.89A
C	2500W	10.04A
D	2375W	12.43A

END PROPOSED LIGHTING IMPROVEMENTS CONTRACT 60E10

PROPOSED IMPROVEMENTS IN CONTRACT 60T74

- LEGEND:
- ⊙ LIGHT POLE, WOOD, WITH 14.5M MAST ARM
 - ⊙ EXISTING LIGHT POLE
 - ⊞ EXISTING LIGHTING CONTROLLER
 - ⊞ ComEd SERVICE POLE
 - LIGHT POLE, WOOD, FOR SUPPORT

REVISIONS	
NAME	DATE
URS CORP	2/15/08

DRAWING No. E-28

ILLINOIS DEPARTMENT OF TRANSPORTATION

US RTE 6 FROM I-294 TO IL RTE 1

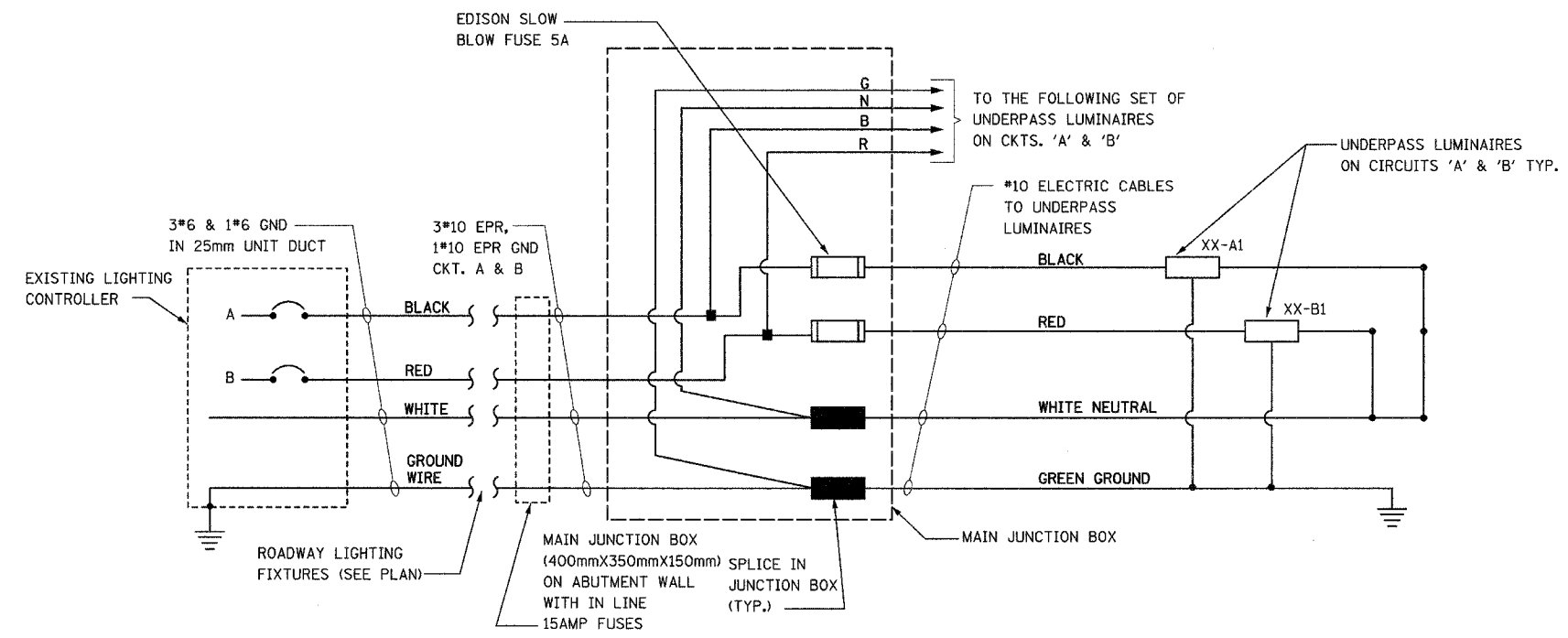
SINGLE LINE DIAGRAM
TEMPORARY LIGHTING
SHEET '2' OF '2'

DRAWN BY S.S./W.S.
CHECKED BY C.K./H.S.

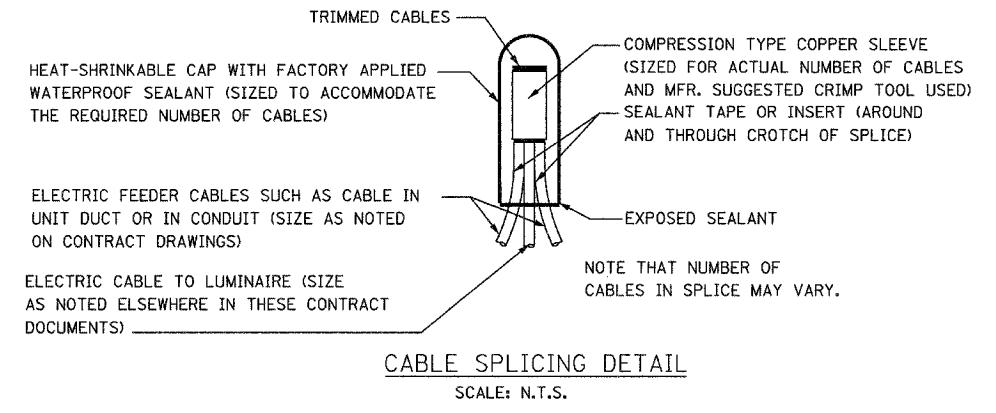
DATE 12/12/07

Delta Engineering, Inc.
CONSULTING ENGINEERS, CHICAGO, ILLINOIS.

60E10



UNDERPASS LIGHTING SCHEMATIC DIAGRAM



DRAWING No. E-29

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

US RTE 6 FROM I-294 TO IL RTE 1

UNDERPASS LIGHTING SCHEMATIC & CABLE SPLICING DETAIL

SCALE AS NOTED

DATE 12/12/07

DRAWN BY S.S./W.S.

CHECKED BY C.K./H.S.

BILL OF MATERIALS

ITEM #	QTY	DESCRIPTION
A	2	FXD62B175 BREAKERS 2 POLE 175 AMP WITH AUX CONTACT
C1,C2	2	MECHANICAL CONTRACTOR 8903PBV10X11V39 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	SECTIONAL FUSE HOLDER
E	1	1.5 KVA 277V-240/120 TRANSFORMER
G	1	15 AMP GFCI
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OF
O	1	DPDT 20 AMP AUTO-MANUAL
P1	1	BREAKER 1P 15A
P2	1	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X 1/4
T	1	CONTROL RELAY ASSEMBLY 240V COILS WITH DPDT 25 AMP RELAYS (R1,R2,R3,R4), MOMENTARY CONTACT ADAPTER, QTY 12
V	20	TERMINAL BLOCKS
X	1	620 AMP SPLICE BLOCK
Y	1	CHROMALOX WR 80, 40-80 DEG THERMOSTAT
Z	1	HEATREX 276-10 375 WATT HEATER

*

E-200

REVISIONS	
NAME	DATE
	12/18/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

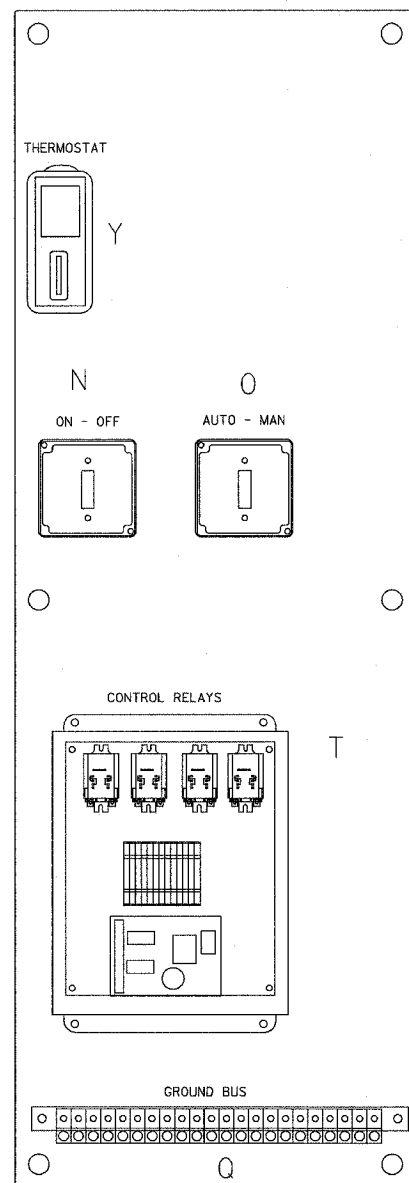
LIGHTING CONTROLLER
 DUPLEX TYPE
 SHT 1 OF 4

SCALE: VERT. NONE
 HORIZ.

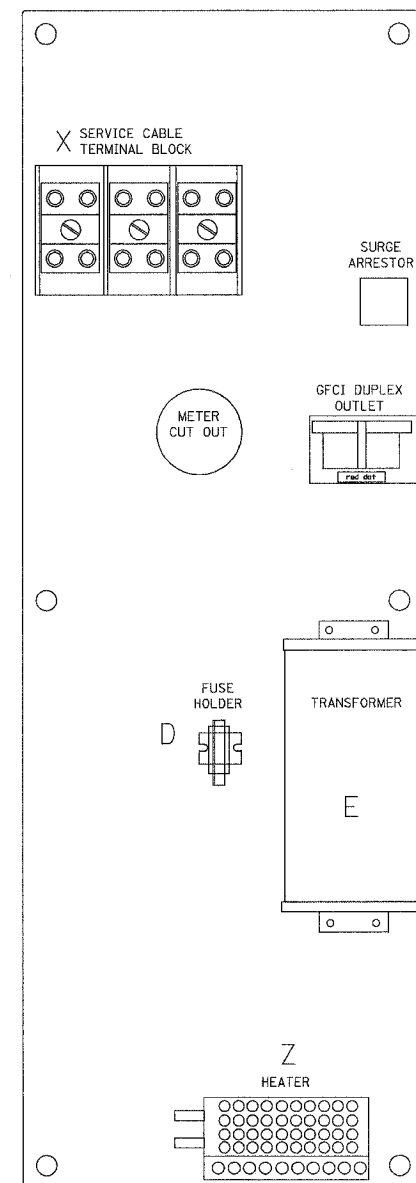
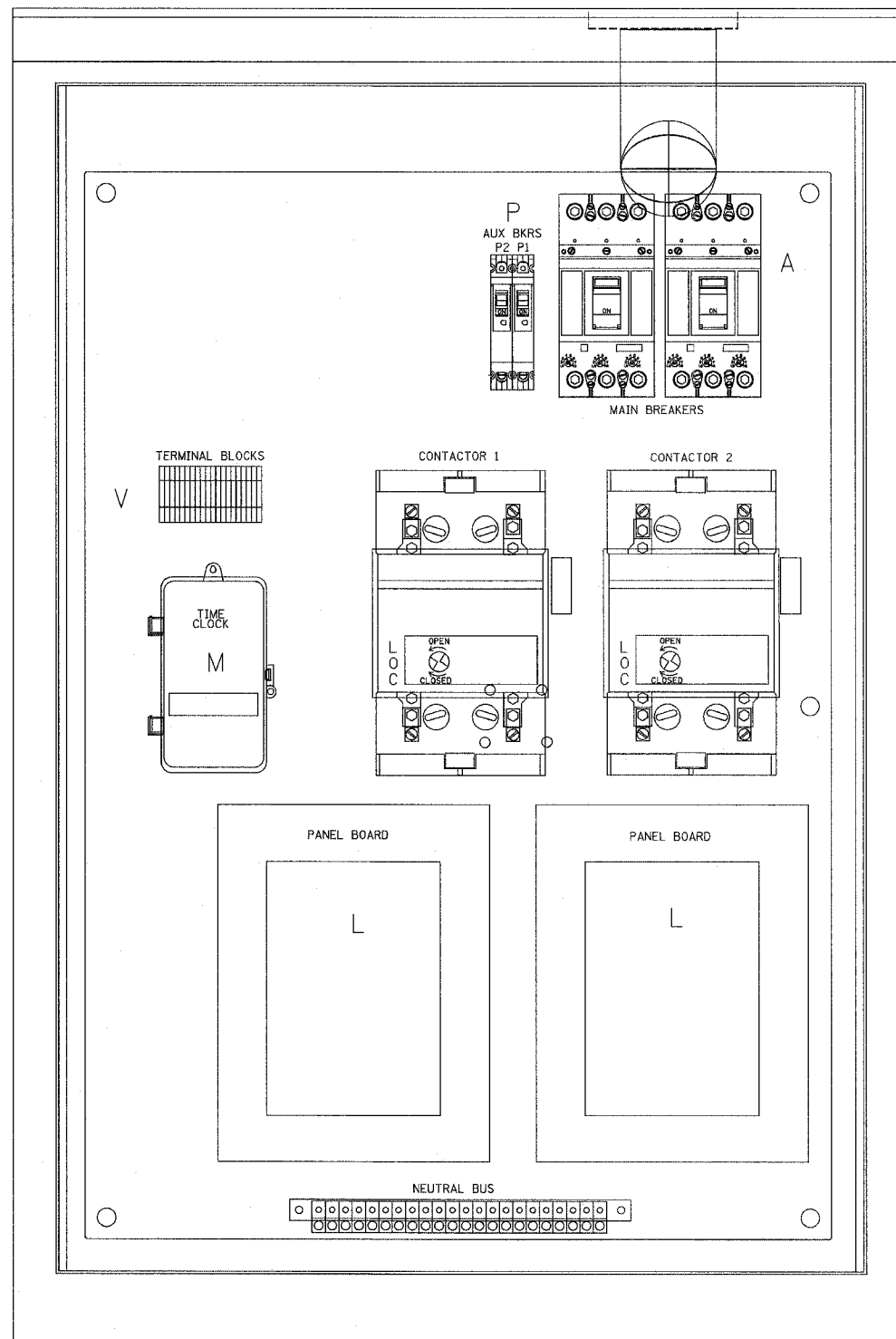
DRAWN BY CADD

CHECKED BY

E-200 (BE-200)



LEFT SIDE PANEL



RIGHT SIDE PANEL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			570	165
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DEVICE SCHEDULE

ITEM	QUANT.	DESCRIPTION
(A)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 600V. A.C., 225A FRAME, 175A, NON-INTERCHANGABLE TRIP, BOLT-ON TYPE; INTERRUPTING CAPACITY OF NOT LESS THAN 22,000 RMS SYMMETRICAL AMPERES AT 480V.
(B)	2	LIGHTING CONTACTOR (REMOTE CONTROL SWITCH) MECHANICALLY HELD, ASCO 920, MOUNTED ON SUB PANEL 200A., 2P., 600V. WITH 240V. COIL.
(C)	2	PANEL BOARD (INTERIOR ONLY) 480/240V. SINGLE PHASE WITH 200A. COPPER MAINS AND EIGHT JP-70A BOLT-ON BRANCH BREAKERS EACH RATED 277V. WITH INTERRUPTING CAPACITY OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(D)	1	TIME CLOCK; 240V. 60 HZ. MICROPROCESSOR BASED 2-CHANNEL CONTROLLER WITH ASTRONOMIC FUNCTIONS. RATED FOR -30 DEGREES C. TO +70 DEGREES C.
(E)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 277V., BOLT-ON TYPE, 15A WITH AN INTERRUPTING RATING OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(F)	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 20A., 240V.
(G)	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20A., 240V. PREMIUM SPEC. GRADE
(H)	1	SOCKET FOR ELECTRIC UTILITY COMPANY METER.
(I)	1	STEP DOWN TRANSFORMER 240V.-120V., 1KVA.
(J)	2	FUSE HOLDER 15A., 250V., 5A. FUSE
(K)	1	20A. SPST MICRO SWITCH (MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR OPENED)
(L)	1	60 WATT LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE AND GUARD AND MOUNTING BOX.
(M)	1	GF1 RECEPTACLE, 120V., 20A., PREMIUM SPEC. GRADE. NEMA REFERENCE 5-15R IN WEATHER-PROOF BOX WITH FLAP-TYPE COVER.

NOTES:

- ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CIRCUIT BREAKERS, CONTACTORS AND OTHER OPEN DEVICES SHALL HAVE PERMANENT SELF-STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS. INTERNAL CABINET WIRING SHALL BE IDENTIFIED AS INDICATED OR AS DIRECTED BY THE ENGINEER BY MEANS OF SELF-STICKING TAGS APPLIED AT EACH CONNECTED END. IDENTIFICATION SHALL BE MADE BY THE CABINET MANUFACTURER.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO UL, STD. 508 AND BEAR THE UL LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
- SEE CABINET AND FOUNDATION DETAIL SHEET FOR SCHEMATIC DIAGRAM AND DEVICE LAYOUT.
- CONTROL RELAYS CAN BE ELIMINATED IF THE CONTROL TIME CLOCK OUTPUT CONTACTS ARE RATED FOR CONTACTOR INRUSH CURRENT.

E-200

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONTROL CABINET, DUPLEX TYPE
WIRING DETAIL
SHEET 2 OF 4

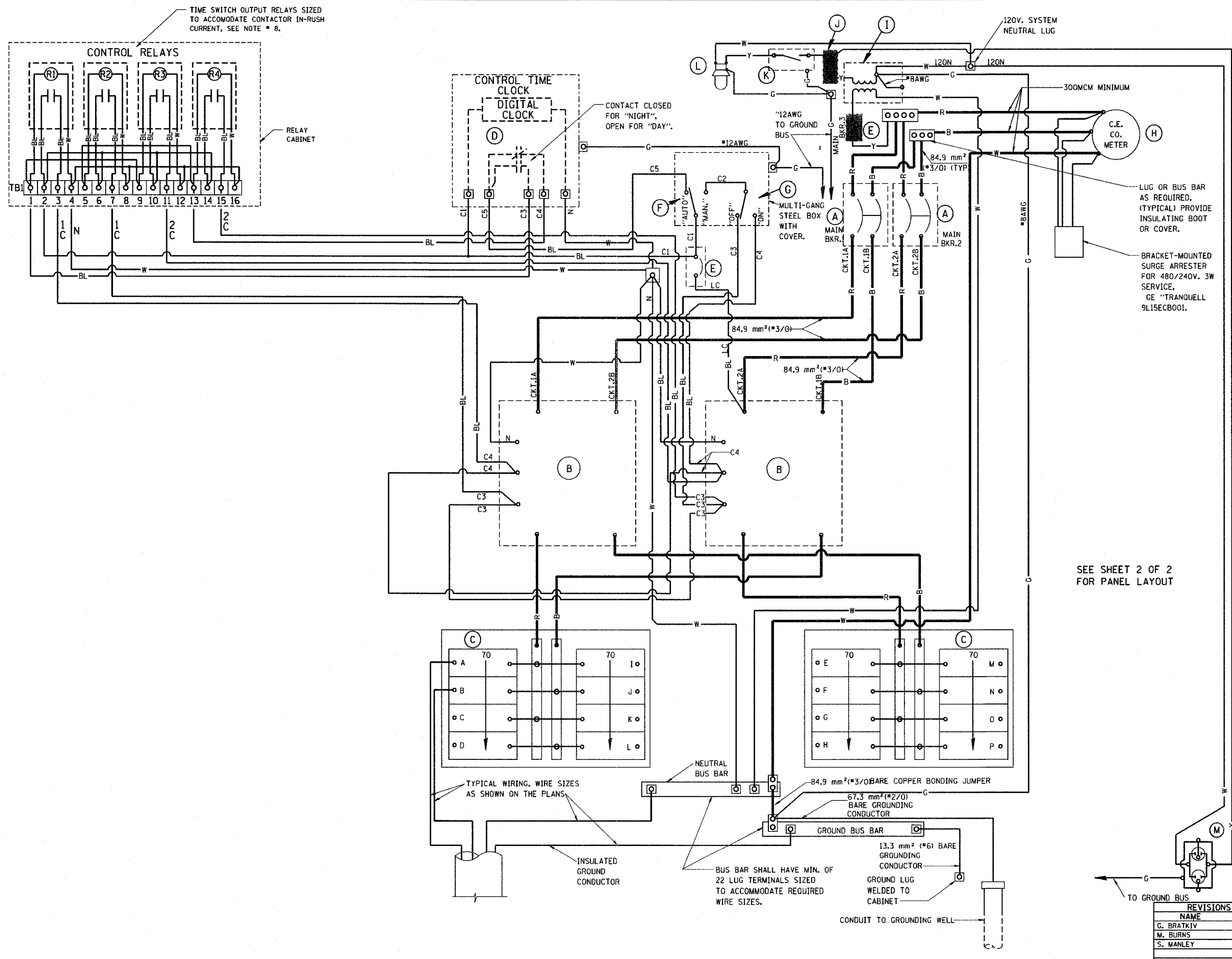
REVISIONS	
NAME	DATE
G. BRATKIV	06-30-86
M. BURNS	07-25-91
S. MANLEY	10-11-93

SCALE: VERT. HORIZ.
DATE: 2/15/2006

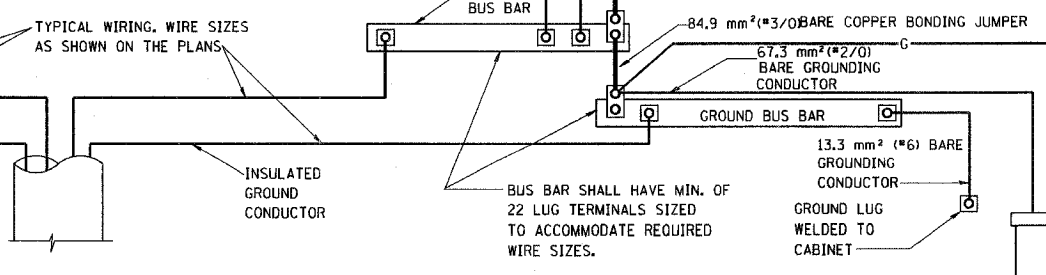
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CHECKED BY

E-200 (BE-200)

REVISION DATE: 12/18/02



SEE SHEET 2 OF 2 FOR PANEL LAYOUT

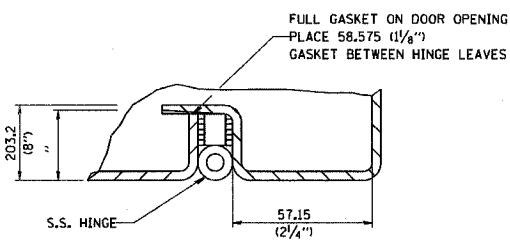


TYPICAL WIRING, WIRE SIZES AS SHOWN ON THE PLANS

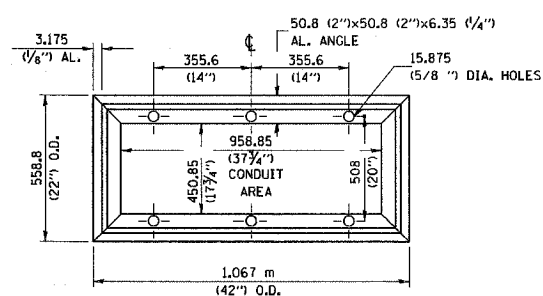
BUS BAR SHALL HAVE MIN. OF 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES.

PLOT DATE = 2/15/2006
PLOT SCALE = 450000 / IN
USER NAME = gajlanabst

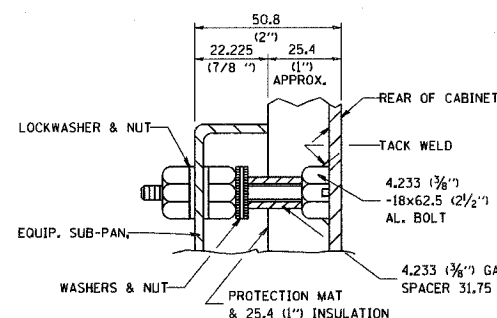
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			579	166
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



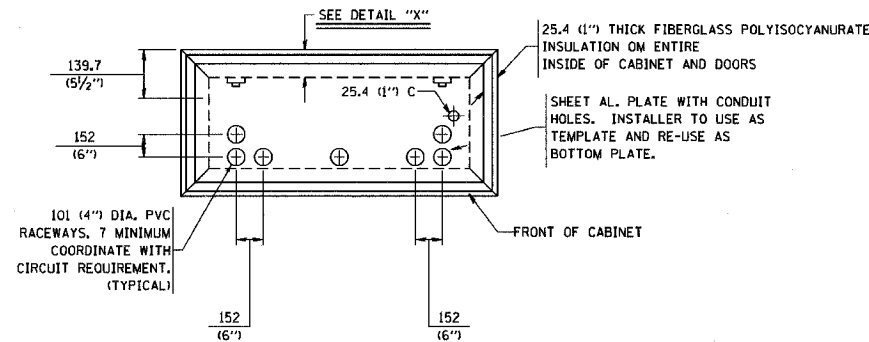
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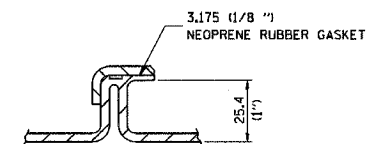
BASE MTG. DETAIL



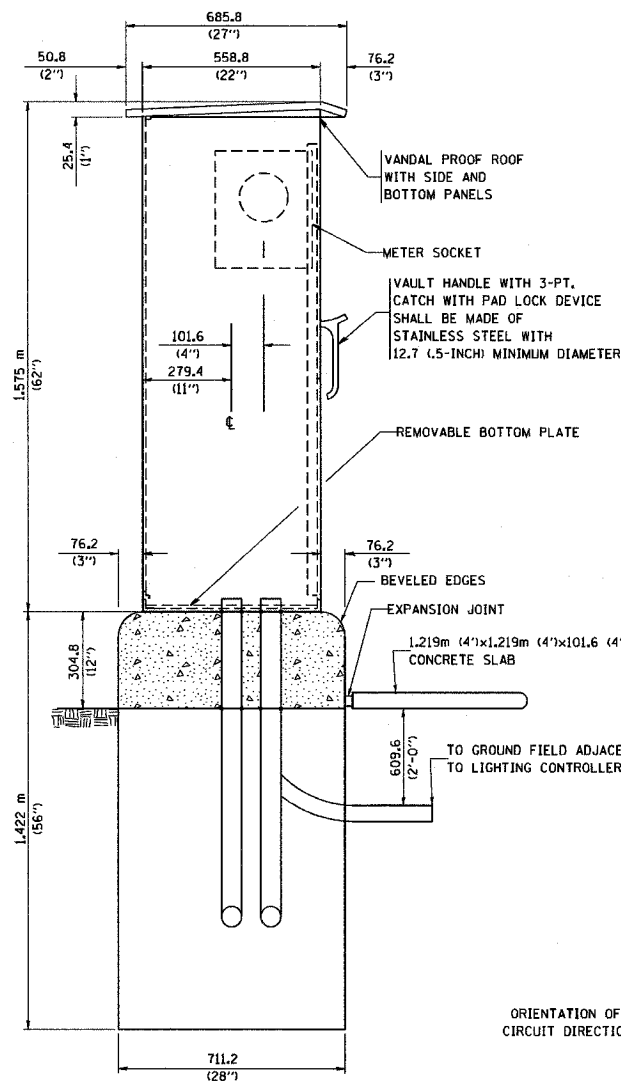
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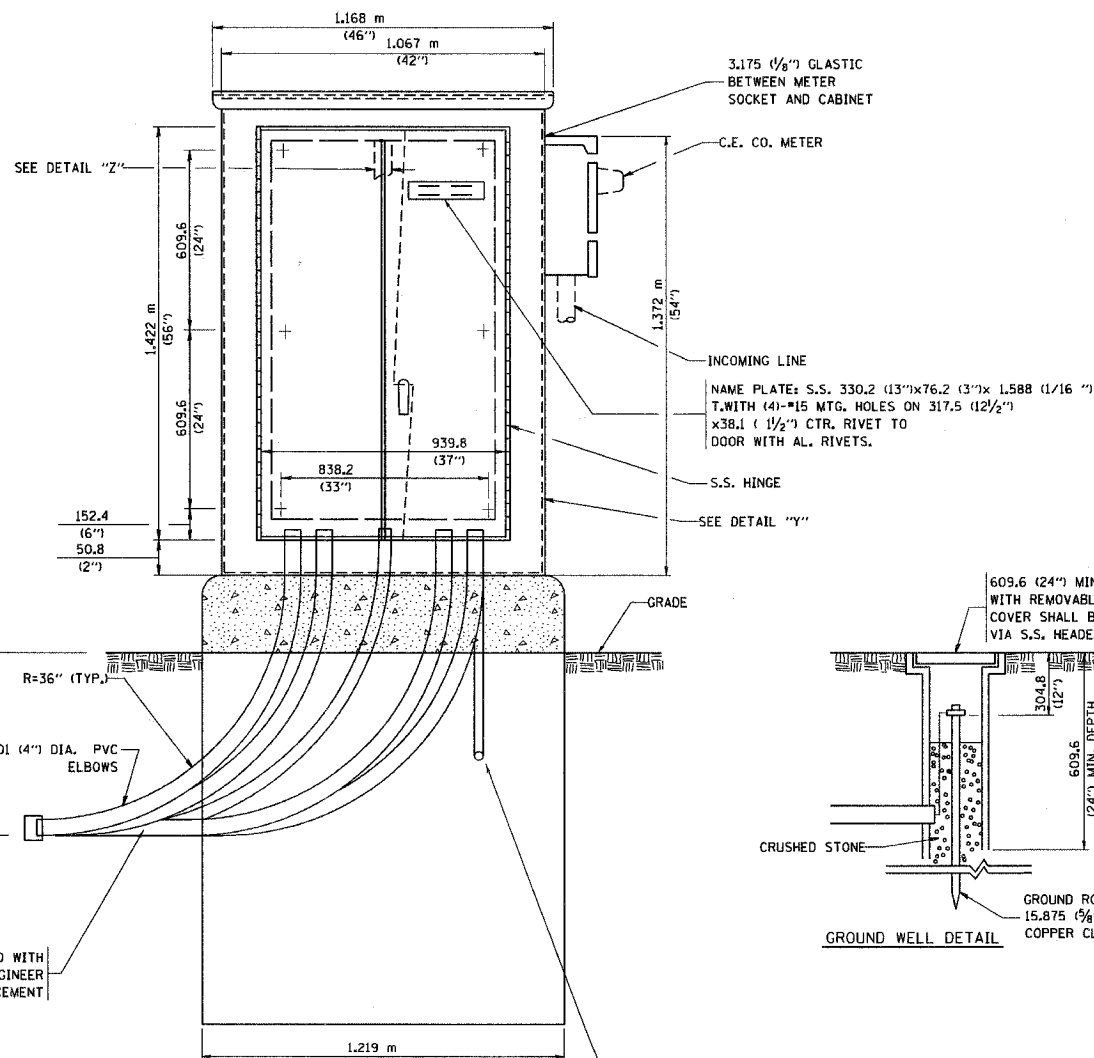
SECTION "A-A"



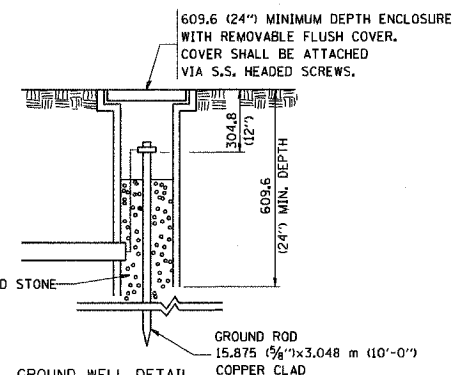
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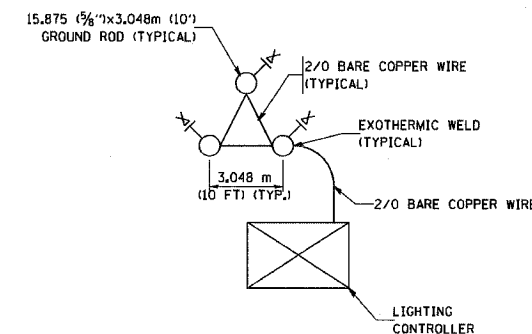
LEFT SIDE ELEVATION



FRONT ELEVATION



GROUND WELL DETAIL



GROUND FIELD DETAIL (N.T.S.)

THE CONTRACTOR SHALL VERIFY EXACT LOCATION WITH THE ENGINEER

ORIENTATION OF RACEWAYS SHALL BE COORDINATED WITH CIRCUIT DIRECTIONS AND BE INSPECTED BY THE ENGINEER PRIOR TO CONCRETE PLACEMENT

25.4 (1-INCH) R.S.C. TO GROUND FIELD OF 3 GROUND RODS IN A 3.048 m (10 FT). TRIANGLE CONNECTED VIA BARE COPPER WIRE. VERIFY EXACT LOCATION OF GROUND FIELD WITH THE ENGINEER. NO GROUND WELL SHALL BE PLACED IN CONCRETE PAD IN FRONT OF CONTROLLER.

E-200

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, DUPLEX TYPE

SHT 3 OF 4

SCALE: VERT. HORIZ. DATE: 4/26/2006

DRAWN BY C.A.D.

CHECKED BY

E-200 (BE-200)

REVISION DATE: 04/26/06

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			579	167
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES

1. CABINET SHALL BE FABRICATED FROM 3.175 (0.125-INCH) SHEET ALUMINUM
* 3003H14, FORMED AND ARC WELDED ASSEMBLY.
2. ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
3. NAME PLATE SHALL HAVE ENGRAVED 19.05 (0.75-INCH) HIGH LETTERS FILLED IN BLACK: "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
4. ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALL AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
5. CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
6. ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
7. THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
8. METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
9. CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 3.175 (0.125-INCH) THICK GLASTIC INSULATION BACK PANEL.
10. ALL DEVICES SHALL BE FRONT REMOVABLE.
11. TIME CLOCK CHANNEL 1 N.O. CONTACT IS CLOSED NIGHT AND OPEN DAY
12. SET "ON TIME" TO 30 MINUTES AFTER ASTRONOMICAL SUNSET.
13. BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
14. ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
15. ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE
16. ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
17. ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
18. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

R - RED	Y - YELLOW
B - BLACK	W - WHITE
BL - BLUE	G - GREEN
19. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE INDICATED
20. SCHEMATIC SHOWN WITH BREAKER OPEN, CONTACTOR OPEN, CABINET DOOR CLOSED, CLOCK NOT ACTIVE
21. A LAMINATED COPY OF THE CIRCUIT SCHEMATIC AND SCADA I/O DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER

E-200

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		LIGHTING CONTROLLER DUPLEX TYPE SHT 4 OF 4

SCALE: VERT.
HORIZ.
DATE: 2/15/2006

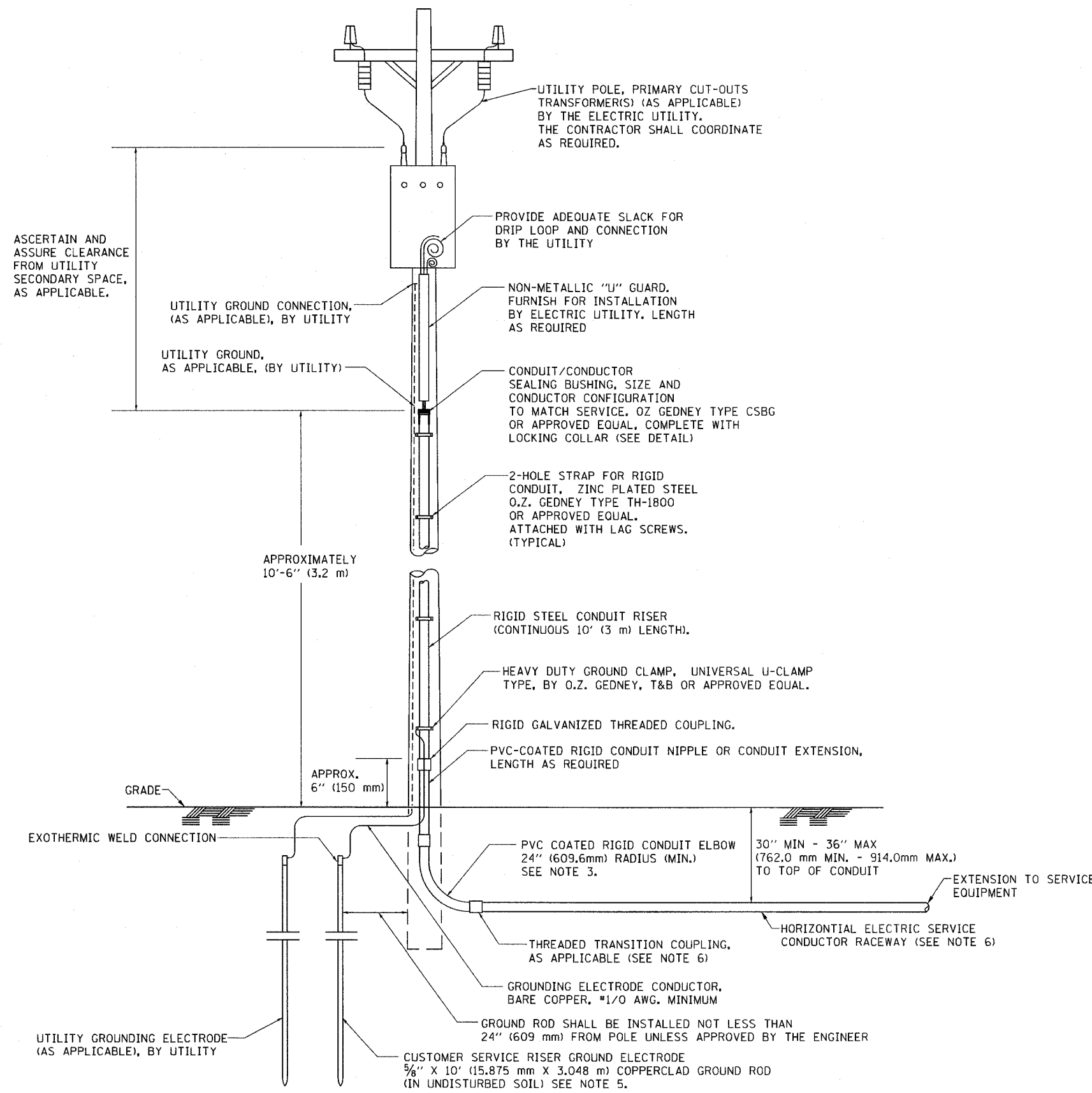
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CHECKED BY

E-200 (BE-200)

REVISION DATE: 12/18/02

PLOT DATE = 2/15/2006
 PLOT SCALE = 400000 / IN
 USER NAME = gplianob1

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			579	188
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

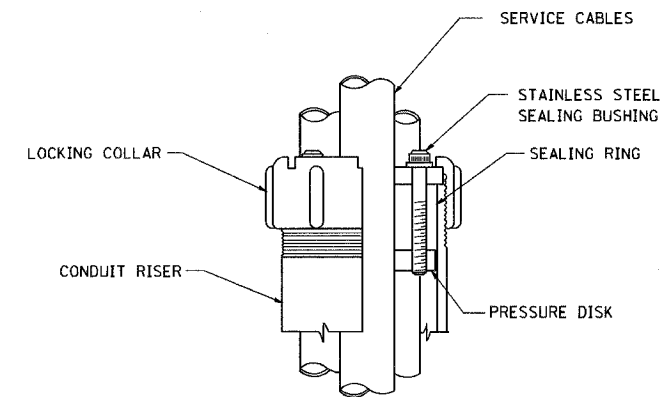


APPLICATION

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

NOTES

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



SEALING BUSHING DETAIL

PLOT DATE = 1/9/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = ulfrnkhd

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT
BE - 220**

SCALE: NONE
DATE: 1/9/2007

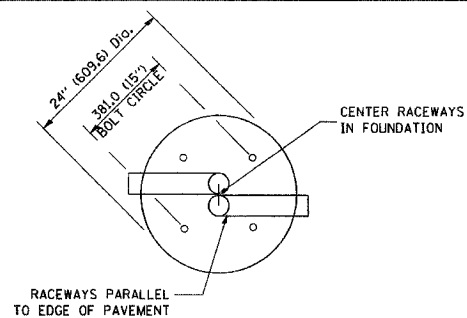
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CHECKED BY MEA

BE-220

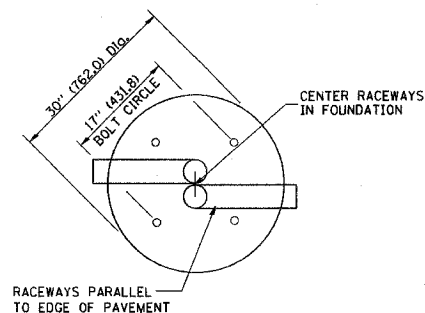
CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
			579
			169
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

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

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



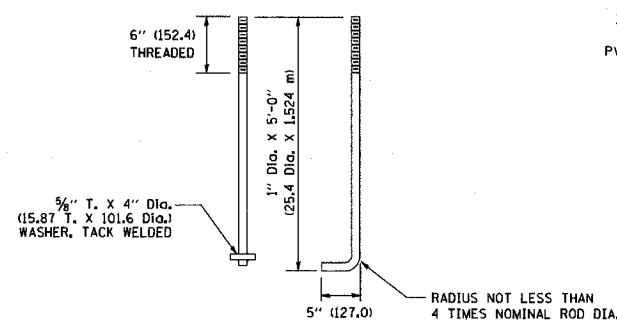
TOP VIEW



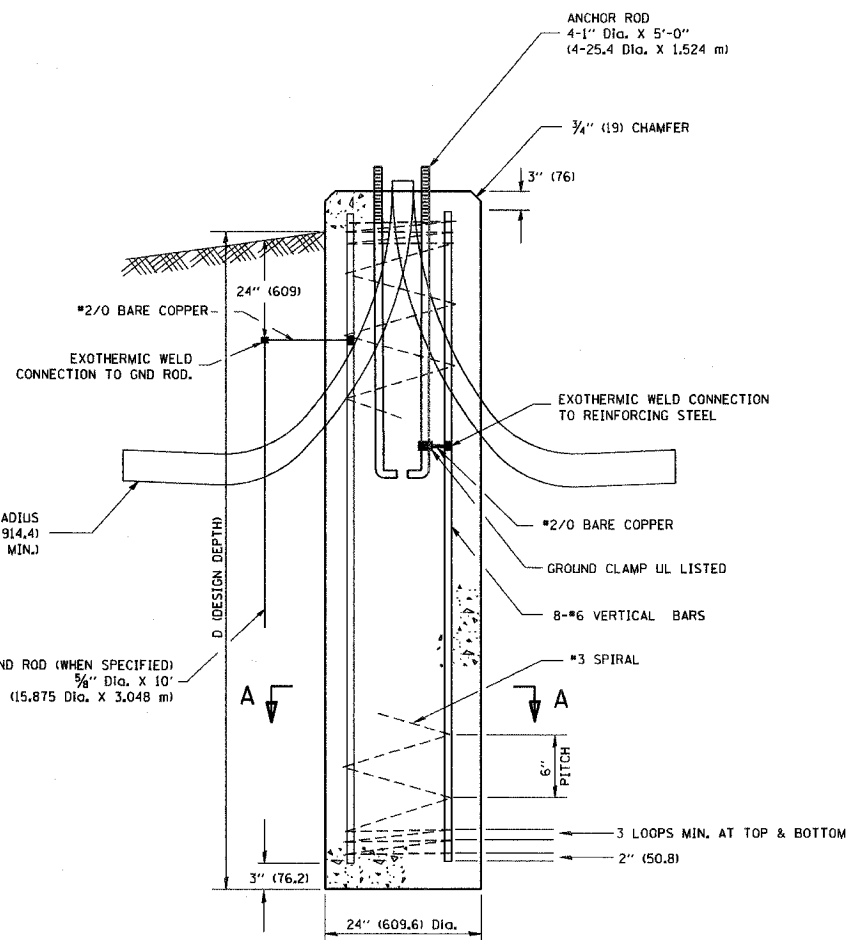
TOP VIEW

NOTES

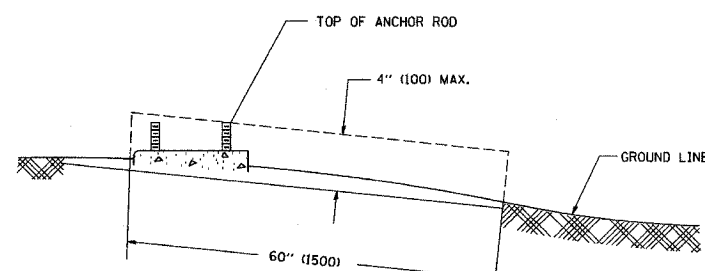
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL, A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105), NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



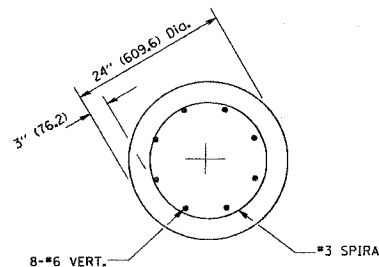
ANCHOR ROD DETAIL



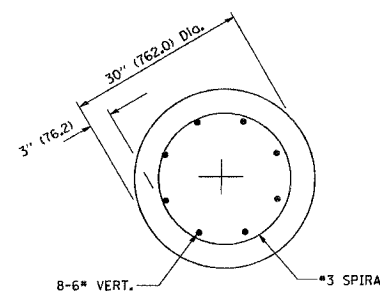
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



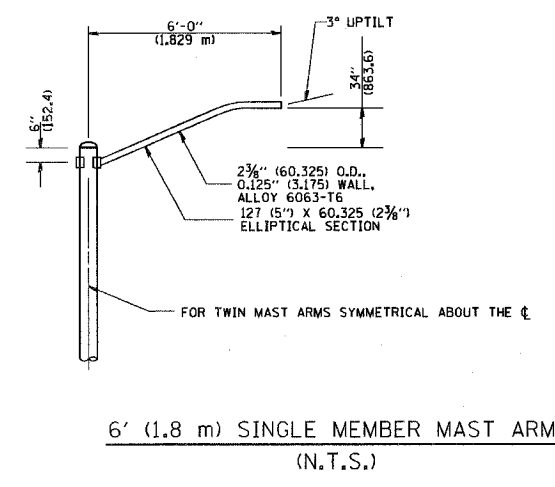
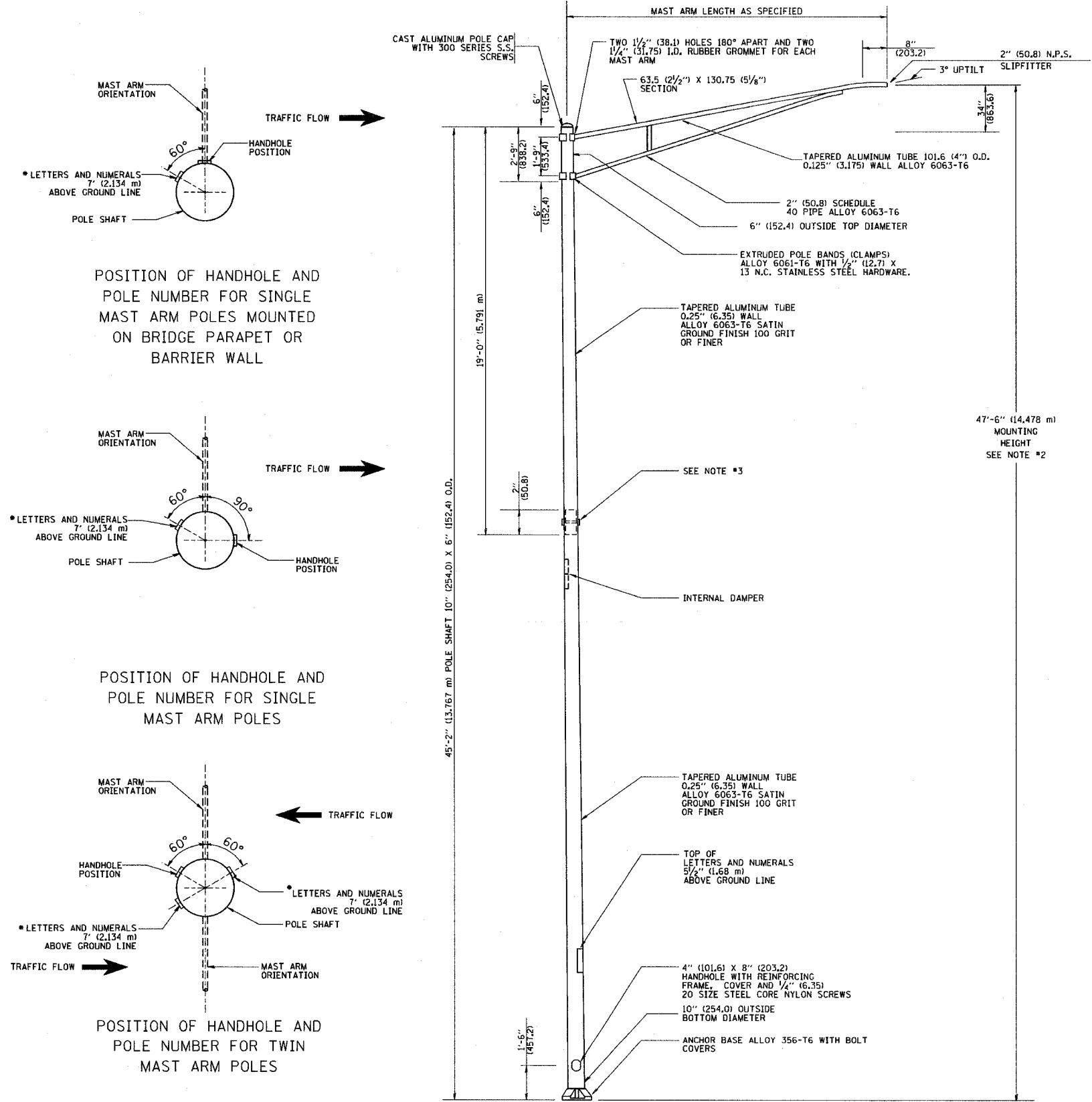
SECTION A-A

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USER NAME = bauer-d

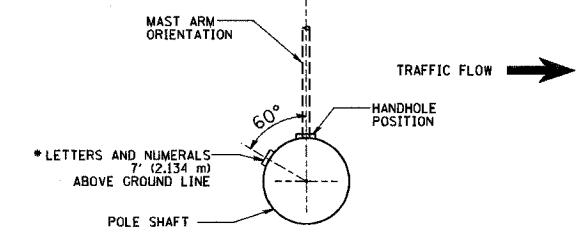
REVISIONS	
NAME	DATE
	04/22/02

E-301
ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H.
15" (381) BOLT CIRCLE
SCALE: NONE
DRAWN BY
CHECKED BY
BE301

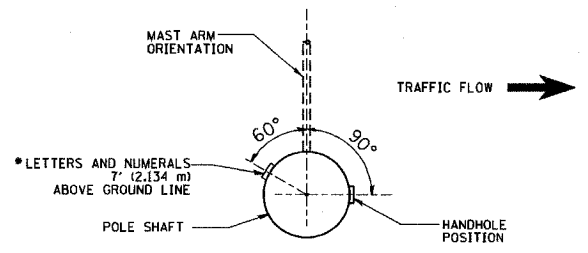
CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
			579 170
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



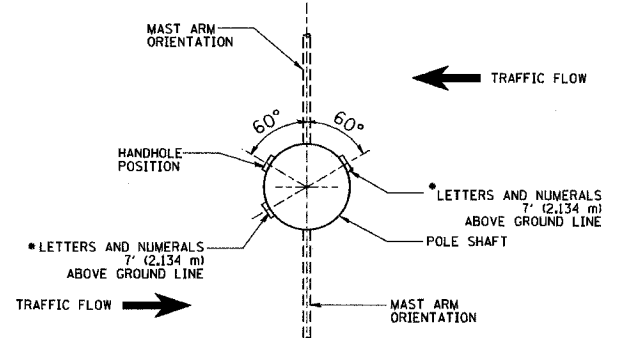
- NOTES:**
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 - MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 - TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE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



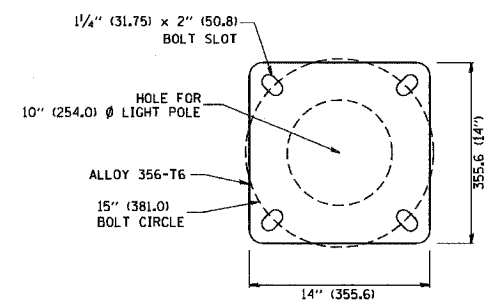
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



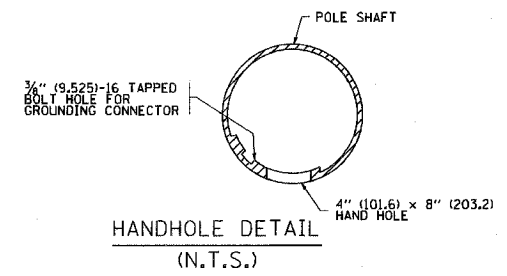
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



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



REVISIONS	
NAME	DATE
R. TOMSONS	9-6-00
R. TOMSONS	8-12-03

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALUMINUM LIGHT POLE
47'-6" (14.478 m)
MOUNTING HEIGHT

SCALE: NONE

DATE: 1/10/2007

DRAWN BY

CHECKED BY

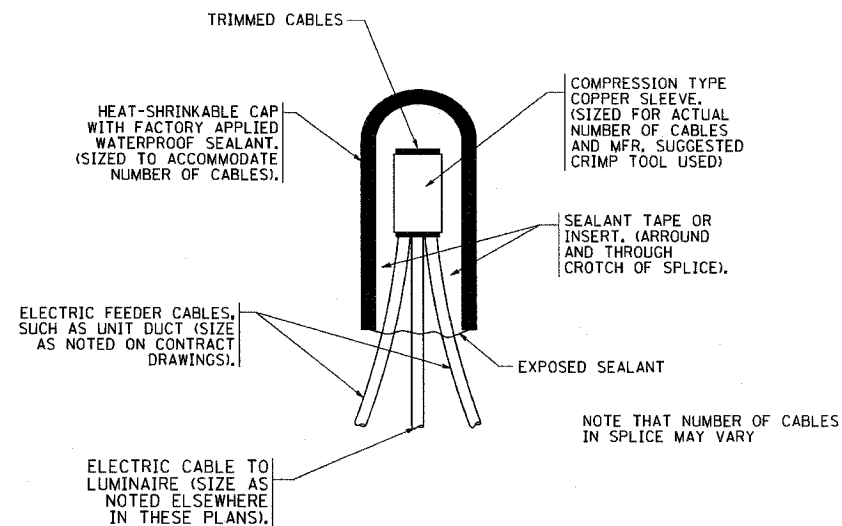
BE-400

REVISION DATE: 09/02/03

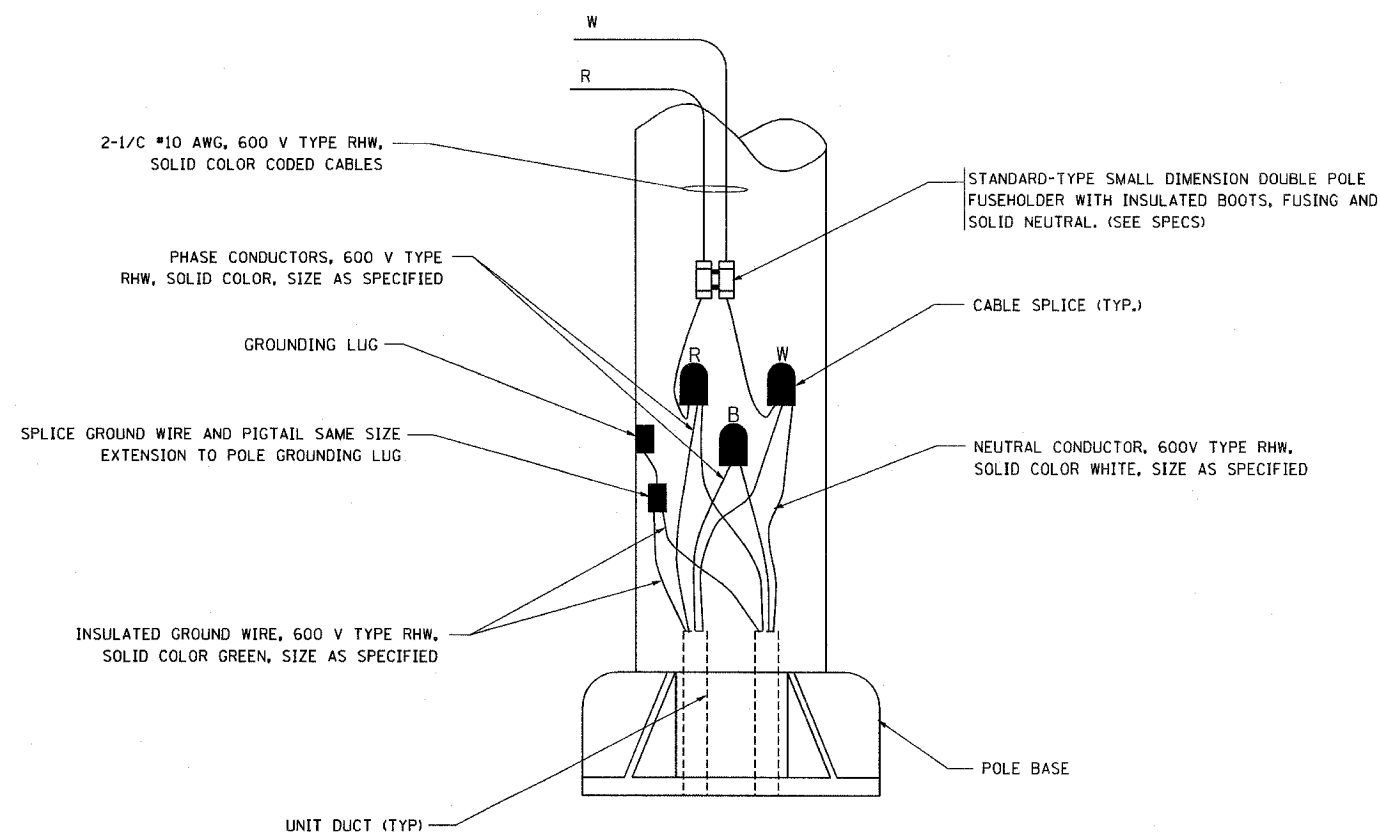
BE-400

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PLOT SCALE = 80.000 / IN.
USER NAME = ujrhkd

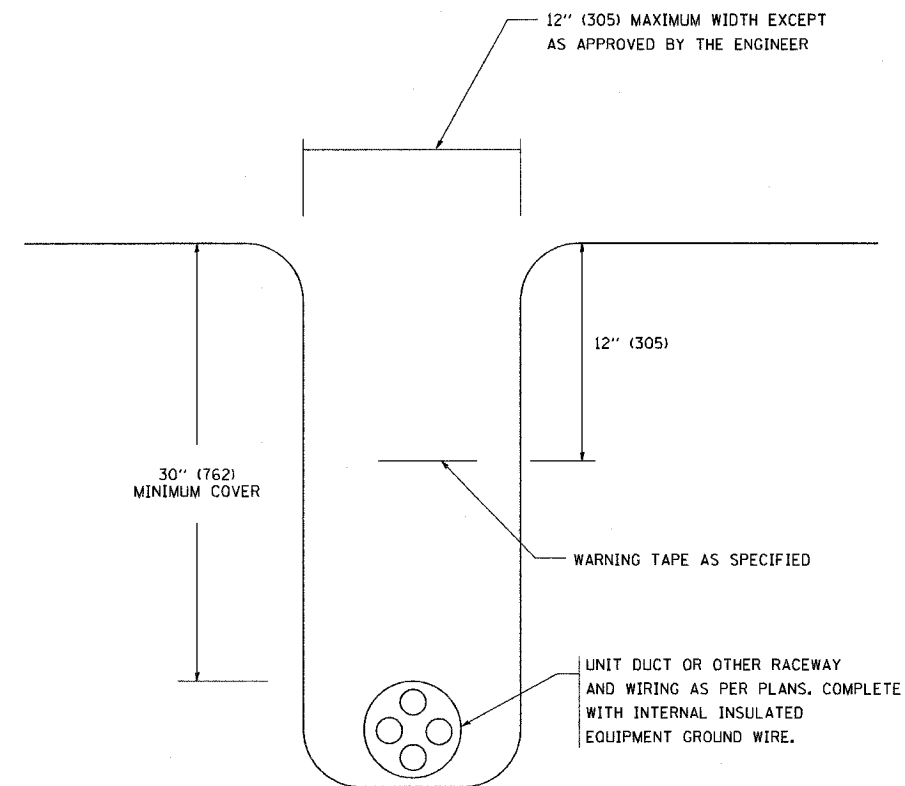
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			579	171
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

PLOT DATE = 4/18/2007
 PLOT SCALE = 5/8" = 1'-0"
 USER NAME = bauernd

REVISIONS	
NAME	DATE
	08/08/03

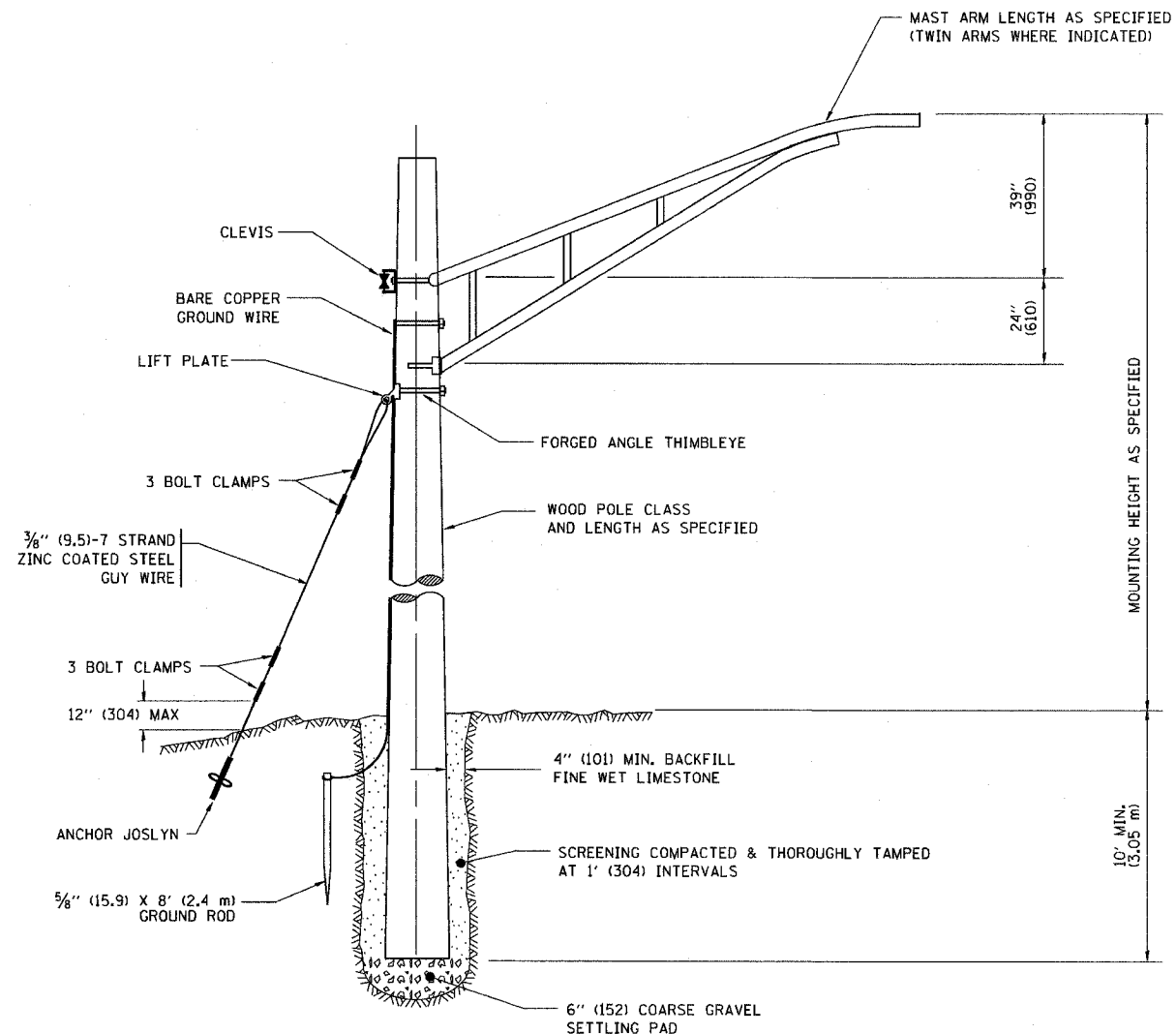
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

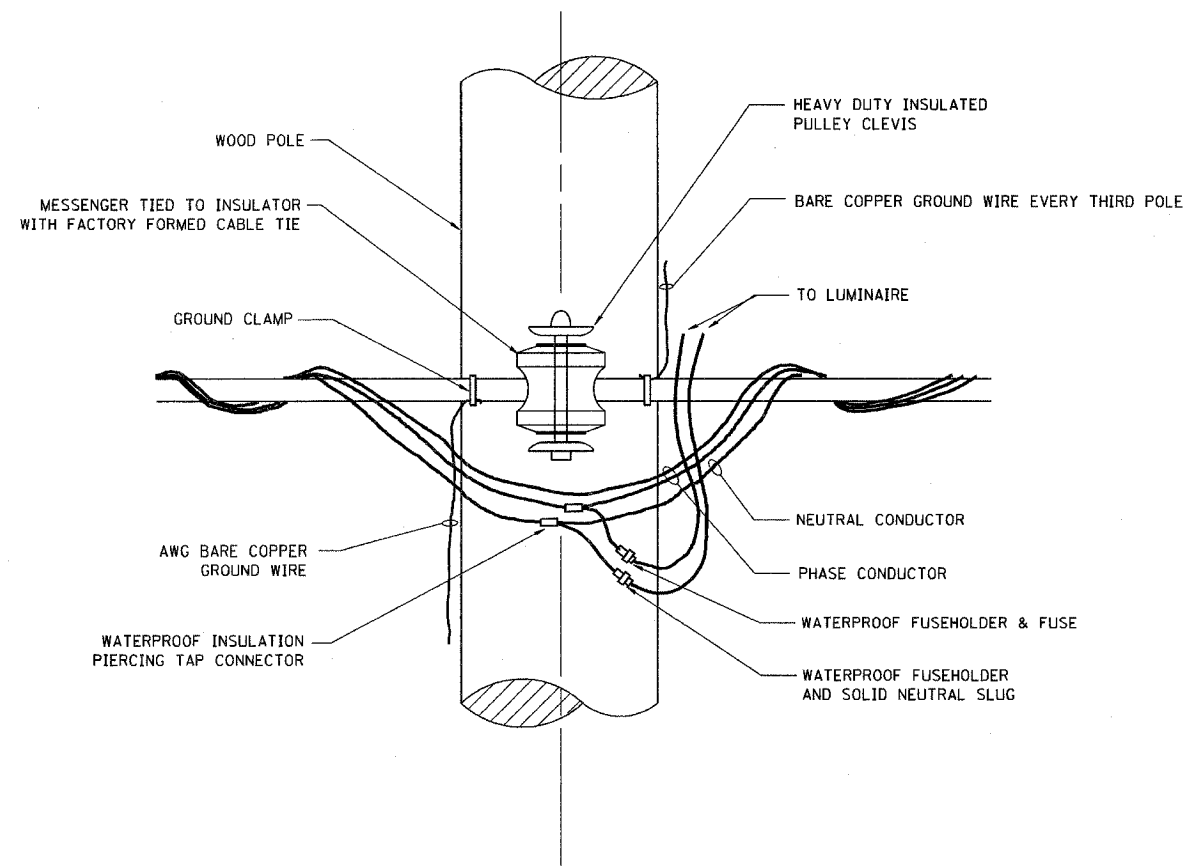
SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY
BE-702

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			579	172
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

PLOT DATE = 4/18/2007
 PLOT SCALE = 50.0000 / IN.
 USER NAME = bmaur-dl

REVISIONS	
NAME	DATE
	08/08/03

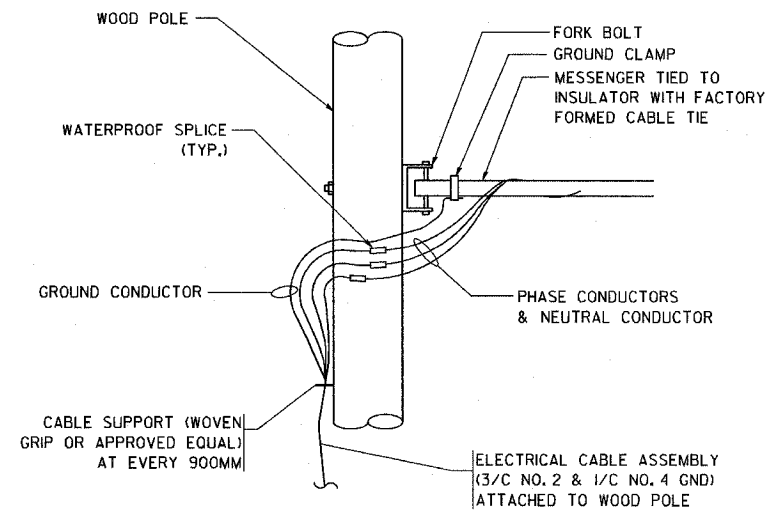
ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE
 DETAILS

SCALE: VERT. NONE
 HORIZ.

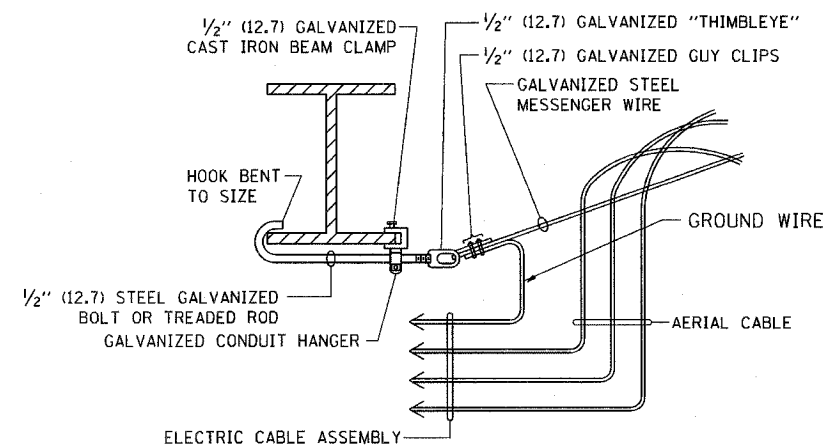
DRAWN BY
 CHECKED BY
 BE-800

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
			579
			173
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



AERIAL CABLE CONNECTION DETAIL

N.T.S.

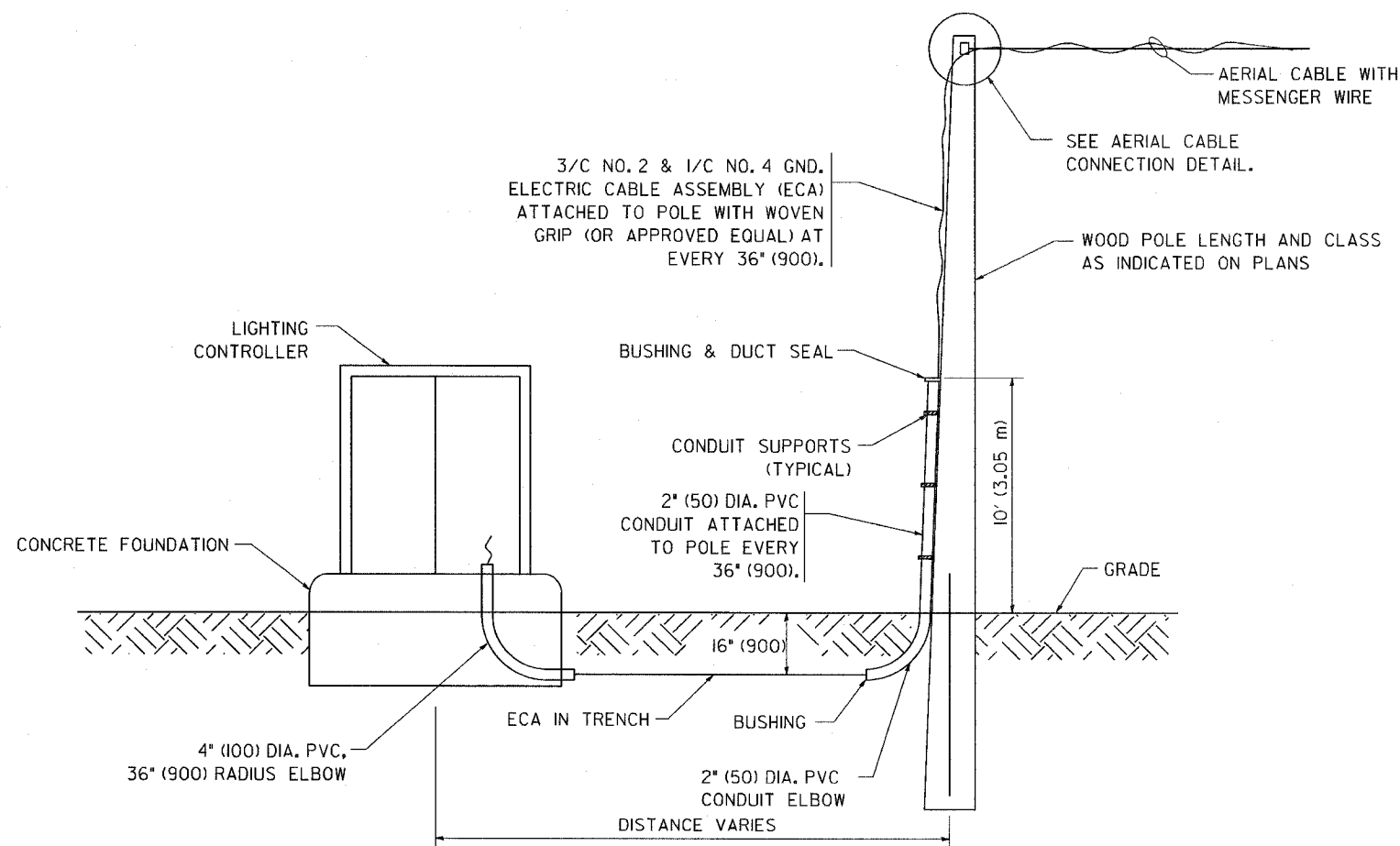


AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

N.T.S.

REVISIONS	
NAME	DATE
	08/08/03

ILLINOIS DEPARTMENT OF TRANSPORTATION

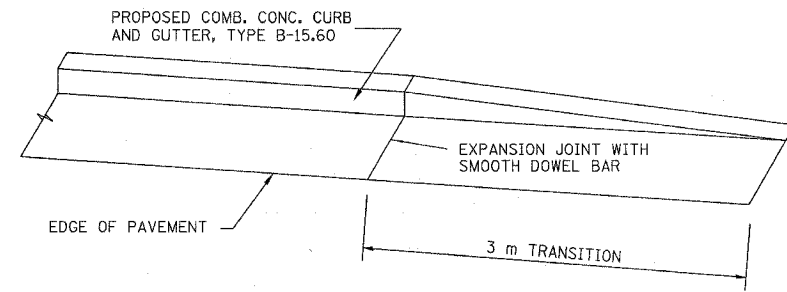
TEMPORARY AERIAL CABLE INSTALLATION

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY
BE-801

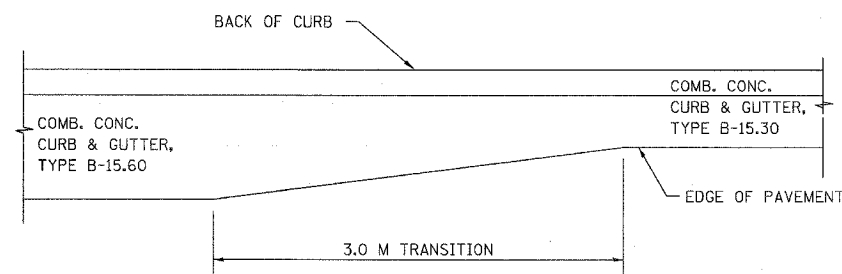
PLOT DATE = 4/19/2007
PLOT SCALE = 80,000 / IN.
USER NAME = baurnd

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2008-001VB	COOK	579	174
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 60E10				



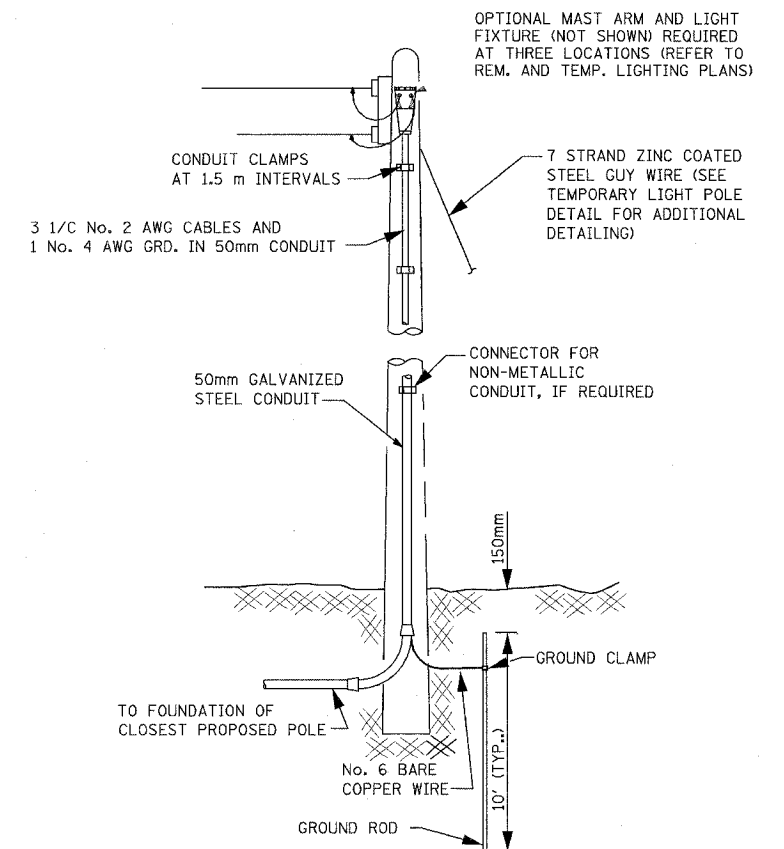
CURB TRANSITION

NOTE: TRANSITION CURB SHALL BE PAID FOR AS COMB. CONC. CURB & GUTTER, TYPE B-15.60



TRANSITION FROM B-15.60 TO B-15.30

NOTE: THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER FOR COMB. CONC. CURB & GUTTER, TYPE B-15.60



TEMPORARY SERVICE WOOD POLE DETAIL TYPE A

REFER TO "REMOVAL AND TEMPORARY LIGHTING PLANS" FOR LOCATIONS OF TEMPORARY SERVICE WOOD POLES SHOWN AS IS (1 LOCATION) AND WITH MAST ARM AND LIGHT FIXTURE (3 LOCATIONS).

TEMPORARY SERVICE WOOD POLE TO BE INCLUDED WITH AND PAID FOR AS "LIGHT POLE, WOOD, 15.24 METER, CLASS 4" OR "LIGHT POLE, WOOD, 15.24 METER, CLASS 4, WITH 4.5 METER MAST ARM".

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION US RTE 6 FROM LEXINGTON AVE TO FISK AVE
NAME	DATE	
		CONSTRUCTION DETAILS AND LIGHTING DETAILS
DATE 02/21/08		DRAWN BY VAP CHECKED BY JRP

TENTATIVE METRA TRACK CLOSURE SCHEDULE

159TH. STREET IN HARVEY, ILLINOIS AT MILEPOST = 20.6

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	175
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60E10

TRACK(S)	TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		SUNDAY		MONDAY	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	12:00 AM		12:00 AM		12:00 AM		12:00 AM		12:00 AM		12:00 AM		12:00 AM	
	1:45 AM	6:00 AM	9:30 AM	3:00 PM	1:45 AM	6:00 AM	9:30 AM	3:00 PM	1:45 AM	6:00 AM	9:30 AM	3:00 PM	MIDNIGHT	4:00 AM
2	4:00 AM	9:30 AM	3:00 PM	4:00 AM	9:30 AM	3:00 PM	4:00 AM	9:30 AM	3:00 PM	4:00 AM	9:30 AM	3:00 PM		4:00 AM
														9:30 AM
1 & 2	MIDNIGHT	1:45 AM	4:00 AM		MIDNIGHT	1:45 AM	4:00 AM		MIDNIGHT	1:45 AM	4:00 AM		MIDNIGHT	1:45 AM
														4:00 AM

LEGEND



= TIMES THAT TRACK(S) MAY POSSIBLY BE TAKEN OUT-OF-SERVICE OR TAKEN OUT-OF-SERVICE & DE-ENERGIZED. CONTRACTOR MUST BE AWARE THAT ELECTRICAL SWITCHING TO DE-ENERGIZE AND RE-ENERGIZE CATENARY WIRE SYSTEMS MAY TAKE UP TO ONE (1) HOUR OFF EACH END OF THESE CLOSURE WINDOWS. FOR EXAMPLE, A 9:00 AM TO 3:00 PM SERVICE OUTAGE MAY RESULT IN ONLY A 10:00 AM TO 2:00 PM CONTRACTOR'S WORK WINDOW. THE ABOVE TIMES ARE FOR REFERENCE ONLY, NOT GUARANTEED AND SUBJECT TO CHANGE DUE TO BUT NOT LIMITED TO TRAIN DELAYS, FAULTS OR FAILURES IN SYSTEMS OF METRA ELECTRIC DISTRICT AND/OR UNAVAILABILITY OF METRA STAFF REQUIRED TO FACILITATE THE OUTAGES. LENGTH AND/OR REDUCTIONS IN NUMBER OF TRACK CLOSURE TIMES SHOWN WILL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. NO OUTAGES WILL BE PERMITTED DURING SPECIAL EVENT BLACKOUTS AS LISTED IN THE SPECIAL PROVISIONS.

GENERAL NOTES

- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL BALLAST, RAIL, TIES, AND OTHER TRACK MATERIALS AS STATED IN THE TRACK CONSTRUCTION STAGING PLANS.
- UTILITIES**
THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE ENGINEER, CONTRACTOR OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- PROJECT LAYOUT AND STAKING**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING AND LAYING OUT THE PROJECT FROM THE CONTROL POINTS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL EXERCISE CARE IN PRESERVING THE CONTROL POINTS DURING CONSTRUCTION OR UNTIL HE ESTABLISHES OTHER CONTROL POINTS FOR HIS USE DURING CONSTRUCTION. THE CONTRACTOR SHALL PERFORM ALL LAYOUT AND STAKING WORK REQUIRED BY METRA FOR THE RAILROAD TO CONSTRUCT THE PORTION TRACK-RELATED WORK FOR THE PROJECT ON ITS PROPERTY BY ITS FORCES. THE COST FOR THIS WORK WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID.
- THE CONTRACTOR SHALL PROTECT ALL RAILROAD SIGNALS, SIGNAL CABLE AND OTHER PROPERTY.
- EXISTING BALLAST FOR TRACKS TO REMAIN SHALL NOT BE DISTURBED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- EARTH EXCAVATION SHALL INCLUDE ANY EXISTING CONCRETE, BITUMINOUS SURFACE OR OTHER FOREIGN MATERIAL.
- AREA TO BE SEEDED SHALL INCLUDE ALL DISTURBED AREAS. PAYMENT WILL ONLY BE MADE FOR AREAS WITHIN THE CONSTRUCTION LIMITS, LESS ROADWAY.
- SUBBALLAST SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.

SPECIAL EVENT BLACKOUTS

NO TRACK OUTAGES WILL BE PERMITTED BY METRA DURING SPECIAL EVENT BLACKOUTS AS LISTED IN THE SPECIAL PROVISION "PROTECTION OF RAILWAY INTEREST".

SUMMARY OF QUANTITIES (TRACK CONSTRUCTION)

CODE NO.	ITEM	UNIT	QUANTITY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5460
28000400	PERIMETER EROSION BARRIER	FOOT	3835
28000500	INLET AND PIPE PROTECTION	EACH	1
Z0002400	BALLAST	TON	11750
Z0069800	SUB-BALLAST	TON	4545
	RAILROAD TRACK	TRACK FT	7205
	RAILROAD TRACK, REMOVE	TRACK FT	8903
	RAILROAD TRACK SHIFT ASSIST	EACH	25
	RELOCATE TEMPORARY CN TRACK NO 1	TRACK FT	943
	TEMPORARY STAIRWAY ACCESS TO METRA TRACKS	EACH	2
	TEMPORARY RAMP ACCESS TO METRA TRACKS	EACH	6
	REMOVE NO 10 TURNOUT	EACH	1
	GRANULAR SURFACE MATERIAL	CU YD	180
20200100	EARTH EXCAVATION	CU YD	3128
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3128

EARTHWORK SUMMARY

TOTAL EXCAVATION = 5460 CU. YDS.
 PORTION PAID AS "EARTH EXCAVATION" AND "NON-SPECIAL WASTE DISPOSAL" = 3128 CU. YD.
 PORTION PAID AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL" = 2332 CU. YD.

EMBANKMENT = 137 CU. YD. (NOT A PAY ITEM)
 EMBANKMENT SHALL BE CONSTRUCTED OF AND PAID FOR AS SUBBALLAST.
 2.05 TNS./CU. YD. = 281 TNS.

INDEX OF SHEETS - TRACK CONSTRUCTION

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GENERAL CROSS SECTION SHEETS	2-3
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GENERAL PLAN SHEETS	9-12
TRACK PROFILE SHEETS	13-17
STAGING PLAN SHEETS	18-52
CN / METRA TEMPORARY CROSS SECTION SHEETS	53-61
CN / METRA PERMANENT CROSS SECTION SHEETS	62-70
CN GATEWAY LEAD TRACK TEMPORARY CROSS SECTION SHEETS	71-75
CN GATEWAY LEAD TRACK PERMANENT CROSS SECTION SHEETS	76-80
CN THOROUGHFARE TRACK TEMPORARY CROSS SECTION SHEETS	81-83
CN THOROUGHFARE TRACK PERMANENT CROSS SECTION SHEETS	84-86
CONSTRUCTION ACCESS STAIR DETAIL SHEET	87
SOLID TIMBER ROAD CROSSING DETAIL SHEET	88

REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

TRACK CONSTRUCTION
 SUMMARY OF QUANTITIES /
 GENERAL NOTES / INDEX OF SHEETS

SHT. 1 OF 88
 DATE 2/21/2008

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 CHECKED BY RMS

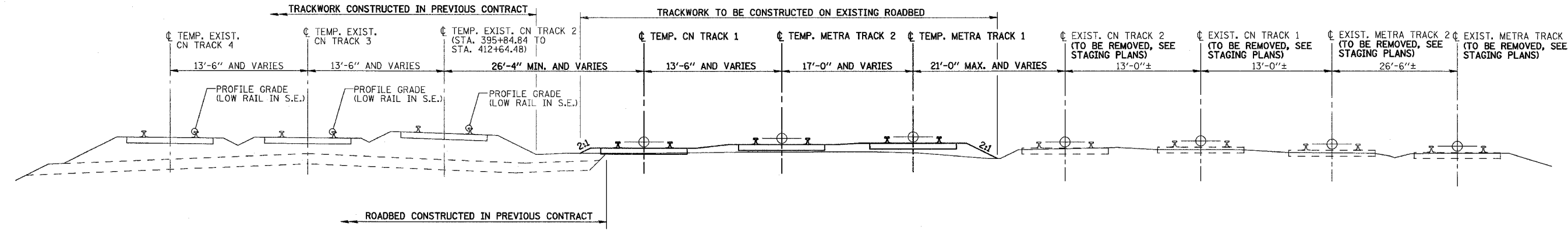
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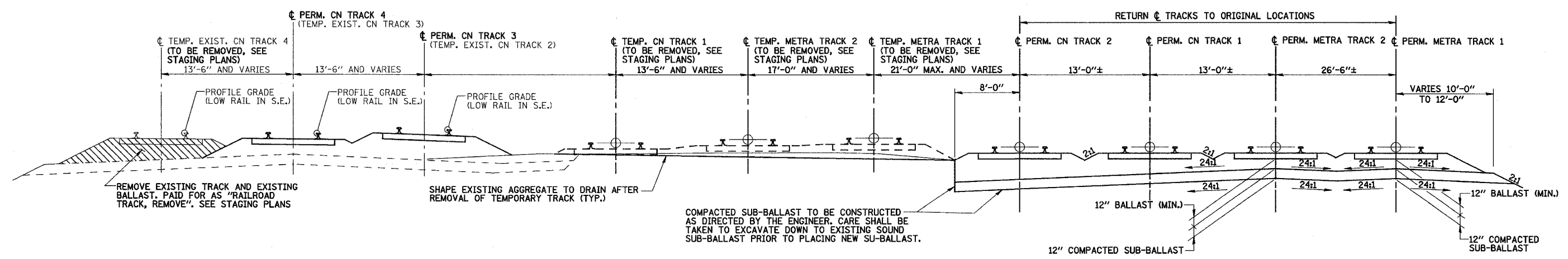
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	176
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60E10

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**GENERAL CROSS SECTION
TEMPORARY CN / METRA TRACKS
LOOKING SOUTH (DOWN STATION)**



**GENERAL CROSS SECTION
PERMANENT CN / METRA TRACKS
LOOKING SOUTH (DOWN STATION)**

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REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

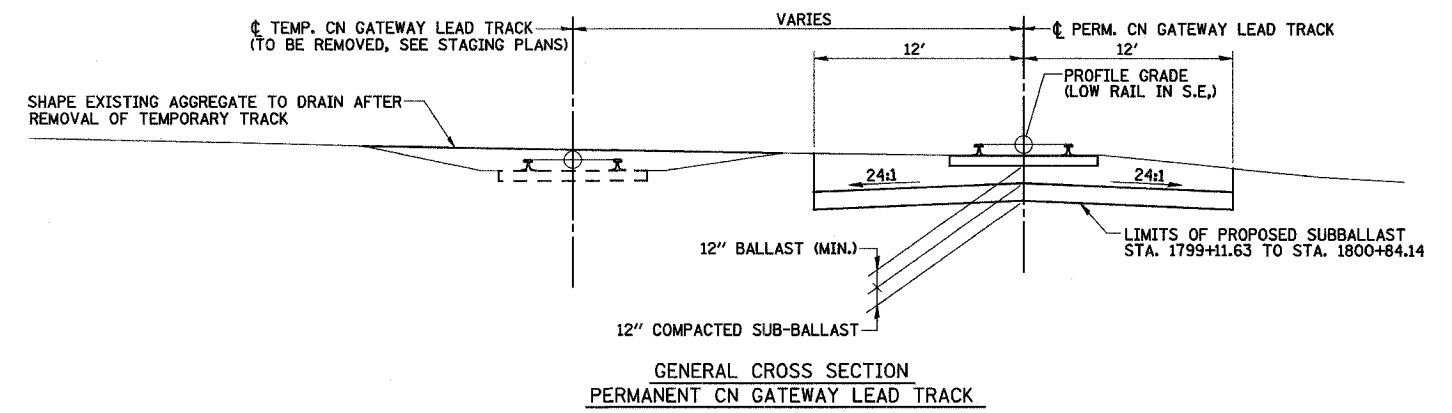
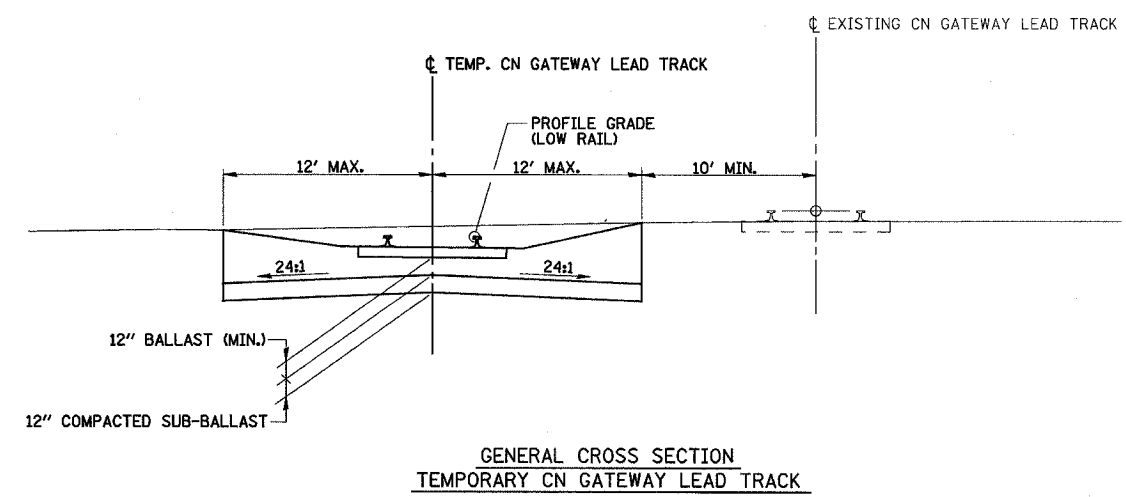
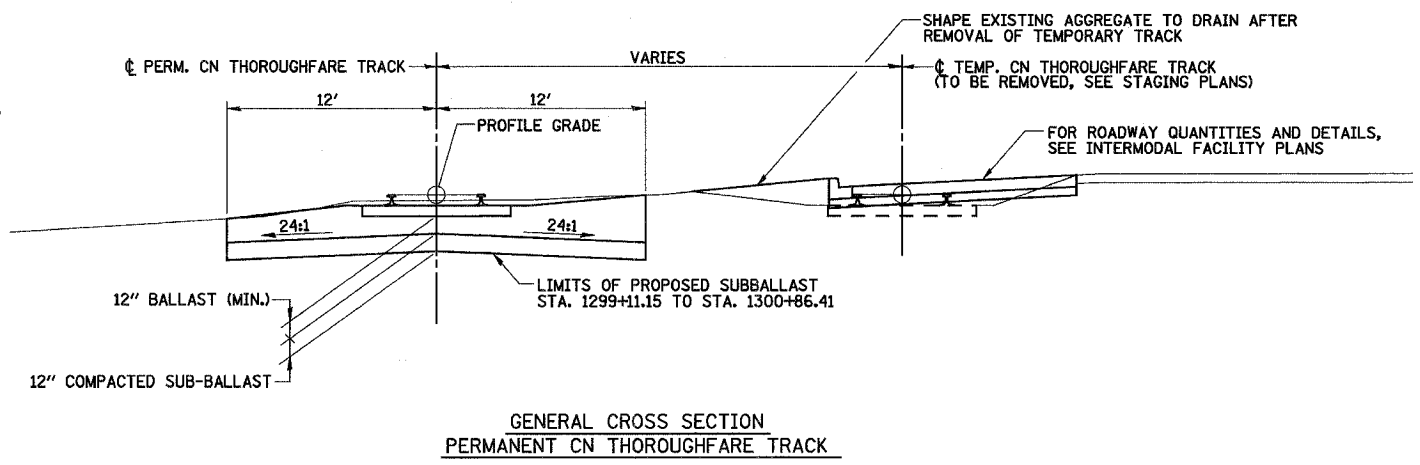
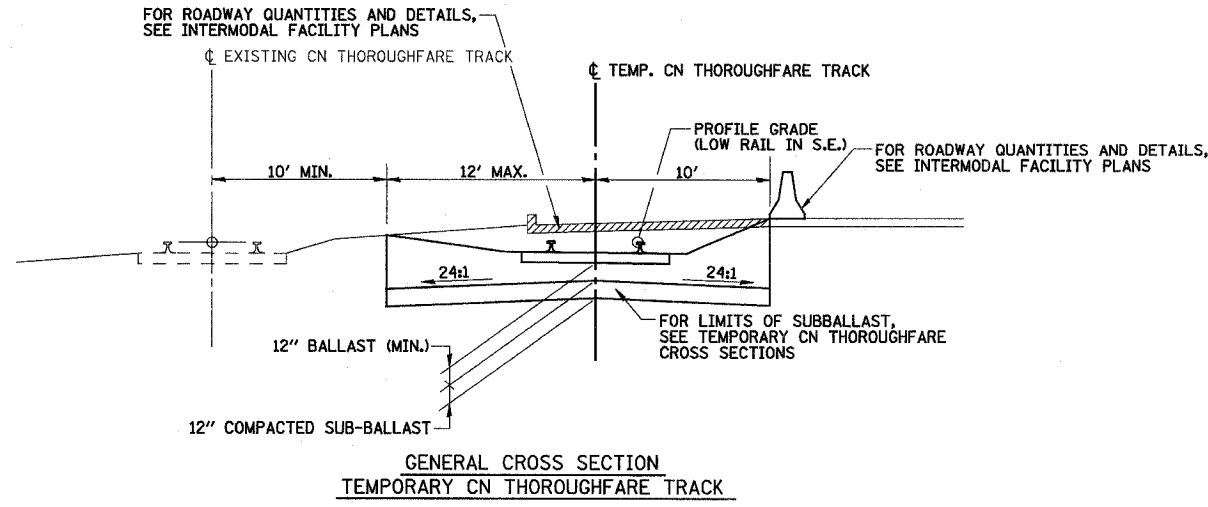
**TRACK CONSTRUCTION
GENERAL CROSS SECTIONS**

SHT. 2 OF 88
DATE 2/21/2008

DRAWN BY REZ
CHECKED BY RMS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	177
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60E10				

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REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
GENERAL CROSS SECTIONS**

SHT. 3 OF 88
DATE 2/21/2008

DRAWN BY REZ
CHECKED BY RMS

CURVE DATA - TEMPORARY CN TRACK 2

CURVE 1	CURVE 2	CURVE 3
P.I. STA. 394+99.11 Δ = 3° 12' 46" (LT) D = 2° 00' 00" T = 80.34' R = 2,864.93' L = 160.64' E = 1.13' S.E. = 2 1/4" S.L. = 140.00'	P.I. STA. 404+25.80 Δ = 9° 51' 27" (RT) D = 1° 45' 00" T = 282.35' R = 3,274.17' L = 563.29' E = 12.15' S.E. = 2" S.L. = 124.00'	P.I. STA. 413+50.82 Δ = 3° 12' 53" (LT) D = 2° 00' 00" T = 80.40' R = 2,864.93' L = 160.74' E = 1.13' S.E. = 2 1/4" S.L. = 140.00'
T.S. STA. 392+78.77 S.C. STA. 394+18.77 C.S. STA. 395+79.41 S.T. STA. 397+19.41	T.S. STA. 400+19.45 S.C. STA. 401+43.45 C.S. STA. 407+06.74 S.T. STA. 408+30.74	T.S. STA. 411+30.43 S.C. STA. 412+70.43 C.S. STA. 414+31.17 S.T. STA. 415+71.17

CURVE DATA - PERMANENT LEAD TRACK

CURVE 1
P.I. STA. 2+81.69 Δ = 6° 01' 58" (RT) D = 7° 00' 00" T = 43.16' R = 819.02' L = 86.24' E = 1.14' S.E. = NONE P.C. STA. 2+38.53 P.T. STA. 3+24.77

CURVE DATA - TEMPORARY CN THOROUGHFARE

CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5
PI STA. 796+68.44 Δ = 0° 51' 56" (RT) D = 8° 00' 00" T = 5.41' R = 716.78' L = 10.82' E = 0.02' S.E. = 1 1/2" S.L. = 93'	PI STA. 799+00.49 Δ = 2° 10' 31" (LT) D = 9° 00' 00" T = 12.10' R = 637.27' L = 24.17' E = 0.11' S.E. = 1 5/8" S.L. = 101'	PI STA. 800+93.64 Δ = 0° 17' 52" (RT) D = 5° 20' 00" T = 2.79' R = 1,074.68' L = 5.58' E = 0.00' S.E. = 1" S.L. = 62'	P.I. STA. 807+14.80 Δ = 3° 39' 31" (RT) D = 3° 00' 00" T = 61.01' R = 1,910.08' L = 121.96' E = 0.97' S.E. = NONE P.C. STA. 806+53.80 P.T. STA. 807+75.75	P.I. STA. 809+93.12 Δ = 5° 54' 05" (RT) D = 7° 00' 00" T = 42.22' R = 819.02' L = 84.30' E = 1.09' S.E. = NONE P.C. STA. 809+50.90 P.T. STA. 810+35.21
T.S. STA. 795+70.03 S.C. STA. 796+63.03 C.S. STA. 796+73.85 S.T. STA. 797+66.85	T.S. STA. 797+87.39 S.C. STA. 798+88.39 C.S. STA. 799+12.56 S.T. STA. 800+13.56	T.S. STA. 800+28.85 S.C. STA. 800+90.85 C.S. STA. 800+96.45 S.T. STA. 801+58.43		

CURVE DATA - TEMPORARY CN TRACK 1

CURVE 1	CURVE 2	CURVE 3
P.I. STA. 296+51.73 Δ = 0° 47' 08" (LT) D = 2° 30' 00" T = 15.71' R = 2,292.01' L = 31.42' E = 0.05' S.E. = 3/2" S.L. = 220.00'	P.I. STA. 303+73.53 Δ = 6° 46' 50" (RT) D = 2° 30' 00" T = 135.78' R = 2,292.01' L = 271.22' E = 4.02' S.E. = 3/2" S.L. = 220.00'	P.I. STA. 311+29.85 Δ = 0° 29' 44" (LT) D = 2° 30' 00" T = 9.91' R = 2,292.01' L = 19.82' E = 0.02' S.E. = 3/2" S.L. = 220.00'
T.S. STA. 294+16.01 S.C. STA. 296+36.01 C.S. STA. 296+67.43 S.T. STA. 298+87.43	T.S. STA. 300+17.75 S.C. STA. 302+37.75 C.S. STA. 305+08.97 S.T. STA. 307+28.97	T.S. STA. 308+99.94 S.C. STA. 311+19.94 C.S. STA. 311+39.76 S.T. STA. 313+59.76

CURVE DATA - PERMANENT CN TRACK 4

CURVE 1	CURVE 2
P.I. STA. 3996+61.22 Δ = 5° 28' 07" (LT) D = 1° 45' 00" T = 156.37' R = 3,274.17' L = 312.49' E = 3.73' S.E. = 1/2" S.L. = 31.00'	P.I. STA. 4011+99.22 Δ = 5° 28' 27" (LT) D = 1° 45' 00" T = 156.53' R = 3,274.17' L = 312.81' E = 3.74' S.E. = 1/2" S.L. = 31.00'
T.S. STA. 3994+73.85 S.C. STA. 3995+04.85 C.S. STA. 3998+17.34 S.T. STA. 3998+48.34	T.S. STA. 4010+11.69 S.C. STA. 4010+42.69 C.S. STA. 4013+55.50 S.T. STA. 4013+86.50

CURVE DATA - TEMPORARY CN GATEWAY LEAD TRACK

CURVE 1	CURVE 2
P.I. STA. 693+37.89 Δ = 17° 43' 18" (LT) D = 5° 00' 00" T = 178.70' R = 1,146.28' L = 354.43' E = 13.85' S.E. = NONE P.C. STA. 691+59.19 P.T. STA. 695+13.62	P.I. STA. 700+06.62 Δ = 17° 38' 13" (RT) D = 5° 00' 00" T = 177.83' R = 1,146.28' L = 352.74' E = 13.71' S.E. = NONE P.C. STA. 698+28.79 P.T. STA. 701+81.53

CURVE DATA - TEMPORARY METRA TRACK 2

CURVE 1	CURVE 2	CURVE 3
P.I. STA. 196+51.79 Δ = 0° 47' 48" (LT) D = 2° 30' 00" T = 15.93' R = 2,292.01' L = 31.86' E = 0.06' S.E. = 3/2" S.L. = 220.00'	P.I. STA. 203+68.24 Δ = 6° 46' 50" (RT) D = 2° 30' 00" T = 135.78' R = 2,292.01' L = 271.22' E = 4.02' S.E. = 3/2" S.L. = 220.00'	P.I. STA. 211+21.66 Δ = 0° 29' 04" (LT) D = 2° 30' 00" T = 9.69' R = 2,292.01' L = 19.38' E = 0.02' S.E. = 3/2" S.L. = 220.00'
T.S. STA. 194+15.86 S.C. STA. 196+35.86 C.S. STA. 196+67.72 S.T. STA. 198+87.72	T.S. STA. 200+12.47 S.C. STA. 202+32.47 C.S. STA. 205+03.68 S.T. STA. 207+23.68	T.S. STA. 208+91.97 S.C. STA. 211+11.97 C.S. STA. 211+31.35 S.T. STA. 213+51.35

CURVE DATA - PERMANENT CN TRACK 3

CURVE 1	CURVE 2	CURVE 3
P.I. STA. 2996+23.04 Δ = 5° 28' 30" (LT) D = 1° 45' 00" T = 156.55' R = 3,274.17' L = 312.86' E = 3.74' S.E. = 1/2" S.L. = 31.00'	P.I. STA. 3004+26.23 Δ = 11° 29' 06" (RT) D = 1° 45' 00" T = 329.26' R = 3,274.17' L = 656.29' E = 16.51' S.E. = 1/2" S.L. = 31.00'	P.I. STA. 3012+28.46 Δ = 5° 28' 03" (LT) D = 1° 45' 00" T = 156.34' R = 3,274.17' L = 312.42' E = 3.73' S.E. = 1/2" S.L. = 31.00'
T.S. STA. 2994+35.49 S.C. STA. 2994+66.49 C.S. STA. 2997+79.34 S.T. STA. 2998+10.34	T.S. STA. 3000+65.97 S.C. STA. 3000+96.97 C.S. STA. 3007+53.25 S.T. STA. 3007+84.25	T.S. STA. 3010+41.13 S.C. STA. 3010+72.13 C.S. STA. 3013+84.55 S.T. STA. 3014+15.55

CURVE DATA - PERMANENT CN GATEWAY LEAD TRACK

CURVE 1	CURVE 2	CURVE 3
P.I. STA. 1795+01.92 Δ = 16° 38' 16" (LT) D = 2° 43' 00" T = 308.42' R = 2,109.24' L = 612.43' E = 22.43' S.E. = 1/2" S.L. = 31'	P.I. STA. 1800+81.76 Δ = 9° 48' 46" (RT) D = 5° 30' 00" T = 89.46' R = 1,042.14' L = 178.41' E = 3.83' S.E. = 1/2" S.L. = 31.00'	P.I. STA. 1804+08.00 Δ = 4° 13' 32" (RT) D = 5° 30' 00" T = 38.45' R = 1,042.14' L = 76.83' E = 0.71' S.E. = 1/2" S.L. = 31.00'
T.S. STA. 1791+62.50 S.C. STA. 1791+93.50 C.S. STA. 1798+05.93 S.T. STA. 1798+36.93	T.S. STA. 1799+61.30 S.C. STA. 1799+92.30 C.S. STA. 1801+70.71 S.T. STA. 1802+01.71	T.S. STA. 1803+38.56 S.C. STA. 1803+69.56 C.S. STA. 1804+46.39 S.T. STA. 1804+77.39

CURVE DATA - TEMPORARY METRA TRACK 1

CURVE 1	CURVE 2	CURVE 3
P.I. STA. 95+61.14 Δ = 0° 47' 25" (LT) D = 2° 30' 00" T = 15.81' R = 2,292.01' L = 31.61' E = 0.05' S.E. = 3/2" S.L. = 220.00'	P.I. STA. 103+61.59 Δ = 6° 46' 50" (RT) D = 2° 30' 00" T = 135.79' R = 2,292.01' L = 271.22' E = 4.02' S.E. = 3/2" S.L. = 220.00'	P.I. STA. 112+01.69 Δ = 0° 29' 26" (LT) D = 2° 30' 00" T = 9.81' R = 2,292.01' L = 19.62' E = 0.02' S.E. = 3/2" S.L. = 220.00'
T.S. STA. 93+25.33 S.C. STA. 95+45.33 C.S. STA. 95+76.94 S.T. STA. 97+96.94	T.S. STA. 100+05.81 S.C. STA. 102+25.81 C.S. STA. 104+97.03 S.T. STA. 107+17.03	T.S. STA. 109+71.88 S.C. STA. 111+91.88 C.S. STA. 112+11.50 S.T. STA. 114+31.50

CURVE DATA - EXISTING CN TRACK 3

(BASELINE FOR CN/METRA CROSS SECTIONS)		
CURVE 1	CURVE 2	CURVE 3
P.I. STA. 494+98.88 Δ = 5° 28' 30" (LT) D = 1° 45' 00" T = 156.56' R = 3,274.17' L = 312.86' E = 3.74' S.E. = 1/2" S.L. = 31.00'	P.I. STA. 504+31.56 Δ = 11° 29' 06" (RT) D = 1° 45' 00" T = 329.26' R = 3,274.17' L = 656.28' E = 16.51' S.E. = 1/2" S.L. = 31.00'	P.I. STA. 513+63.44 Δ = 5° 28' 02" (LT) D = 1° 45' 00" T = 156.33' R = 3,274.17' L = 312.42' E = 3.73' S.E. = 1/2" S.L. = 31.00'
T.S. STA. 493+11.33 S.C. STA. 493+42.33 C.S. STA. 496+55.19 S.T. STA. 496+86.19	T.S. STA. 500+71.30 S.C. STA. 501+02.30 C.S. STA. 507+58.58 S.T. STA. 507+89.58	T.S. STA. 511+76.11 S.C. STA. 512+07.11 C.S. STA. 515+19.53 S.T. STA. 515+50.53

SEE SHEETS 5-8 FOR TRACK LAYOUT, BENCHMARK AND CONTROL POINTS

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
GEOMETRIC CONTROL
TEMPORARY AND
PERMANENT ALIGNMENTS**

SHT. 4 OF 88
DATE 2/21/2008

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CHECKED BY RMS

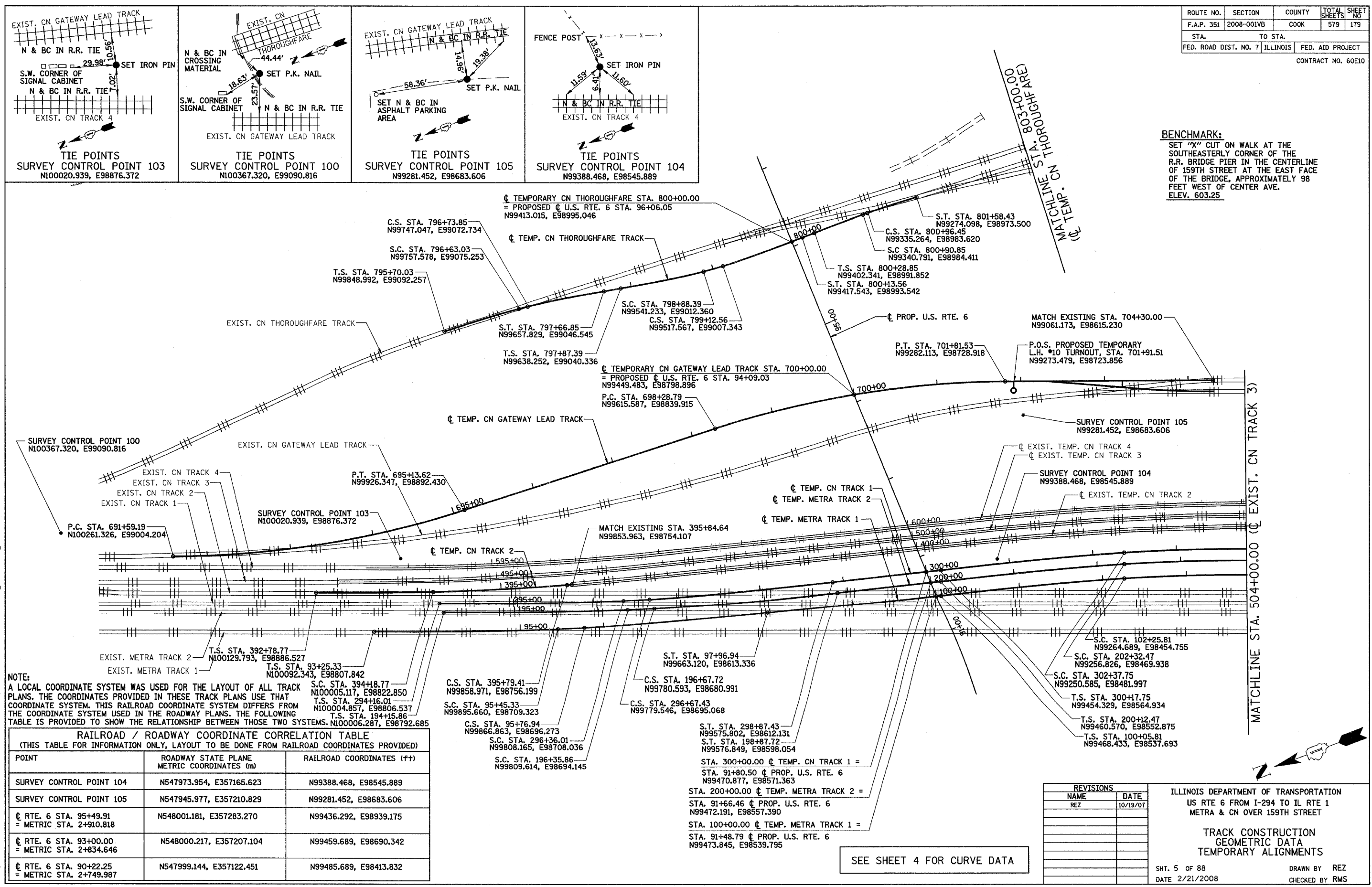
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	179
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 60E10				

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BENCHMARK:
 SET "X" CUT ON WALK AT THE SOUTHEASTERLY CORNER OF THE R.R. BRIDGE PIER IN THE CENTERLINE OF 159TH STREET AT THE EAST FACE OF THE BRIDGE, APPROXIMATELY 98 FEET WEST OF CENTER AVE. ELEV. 603.25

NOTE:
 A LOCAL COORDINATE SYSTEM WAS USED FOR THE LAYOUT OF ALL TRACK PLANS. THE COORDINATES PROVIDED IN THESE TRACK PLANS USE THAT COORDINATE SYSTEM. THIS RAILROAD COORDINATE SYSTEM DIFFERS FROM THE COORDINATE SYSTEM USED IN THE ROADWAY PLANS. THE FOLLOWING TABLE IS PROVIDED TO SHOW THE RELATIONSHIP BETWEEN THOSE TWO SYSTEMS. N100006.287, E98792.685

RAILROAD / ROADWAY COORDINATE CORRELATION TABLE (THIS TABLE FOR INFORMATION ONLY, LAYOUT TO BE DONE FROM RAILROAD COORDINATES PROVIDED)		
POINT	ROADWAY STATE PLANE METRIC COORDINATES (m)	RAILROAD COORDINATES (FT)
SURVEY CONTROL POINT 104	N547973.954, E357165.623	N99388.468, E98545.889
SURVEY CONTROL POINT 105	N547945.977, E357210.829	N99281.452, E98683.606
☉ RTE. 6 STA. 95+49.91 = METRIC STA. 2+910.818	N548001.181, E357283.270	N99436.292, E98939.175
☉ RTE. 6 STA. 93+00.00 = METRIC STA. 2+834.646	N548000.217, E357207.104	N99459.689, E98690.342
☉ RTE. 6 STA. 90+22.25 = METRIC STA. 2+749.987	N547999.144, E357122.451	N99485.689, E98413.832

STA. 300+00.00 ☉ TEMP. CN TRACK 1 =
 STA. 91+80.50 ☉ PROP. U.S. RTE. 6
 N99470.877, E98571.363
 STA. 200+00.00 ☉ TEMP. METRA TRACK 2 =
 STA. 91+66.46 ☉ PROP. U.S. RTE. 6
 N99472.191, E98557.390
 STA. 100+00.00 ☉ TEMP. METRA TRACK 1 =
 STA. 91+48.79 ☉ PROP. U.S. RTE. 6
 N99473.845, E98539.795

SEE SHEET 4 FOR CURVE DATA

REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

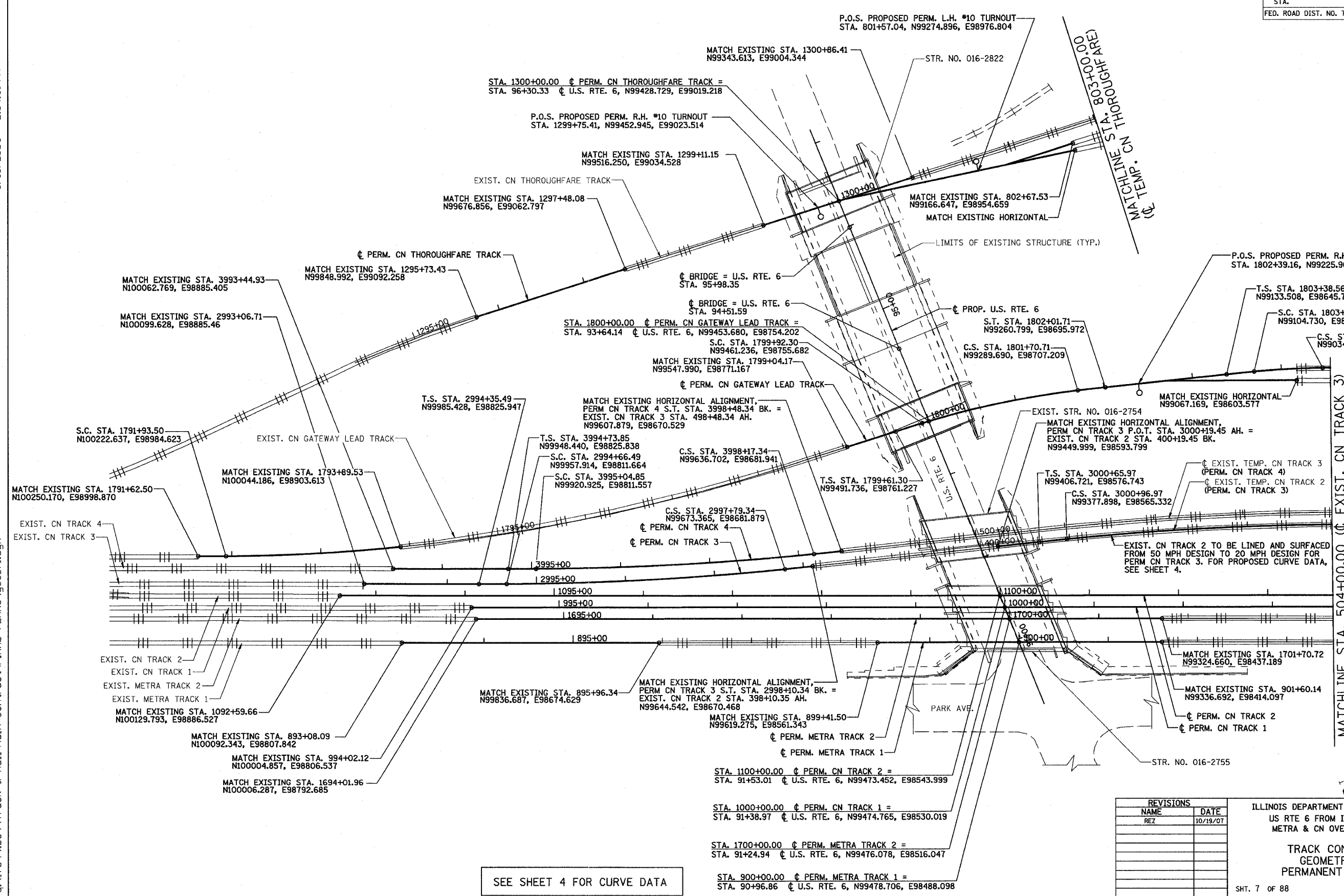
**TRACK CONSTRUCTION
 GEOMETRIC DATA
 TEMPORARY ALIGNMENTS**

SHT. 5 OF 88
 DATE 2/21/2008

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	181
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 7	ILLINOIS		CONTRACT NO. 60E10	

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SEE SHEET 4 FOR CURVE DATA

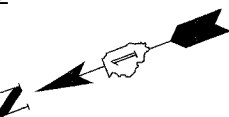
REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

TRACK CONSTRUCTION
 GEOMETRIC DATA
 PERMANENT ALIGNMENTS

SHT. 7 OF 88
 DATE 2/21/2008

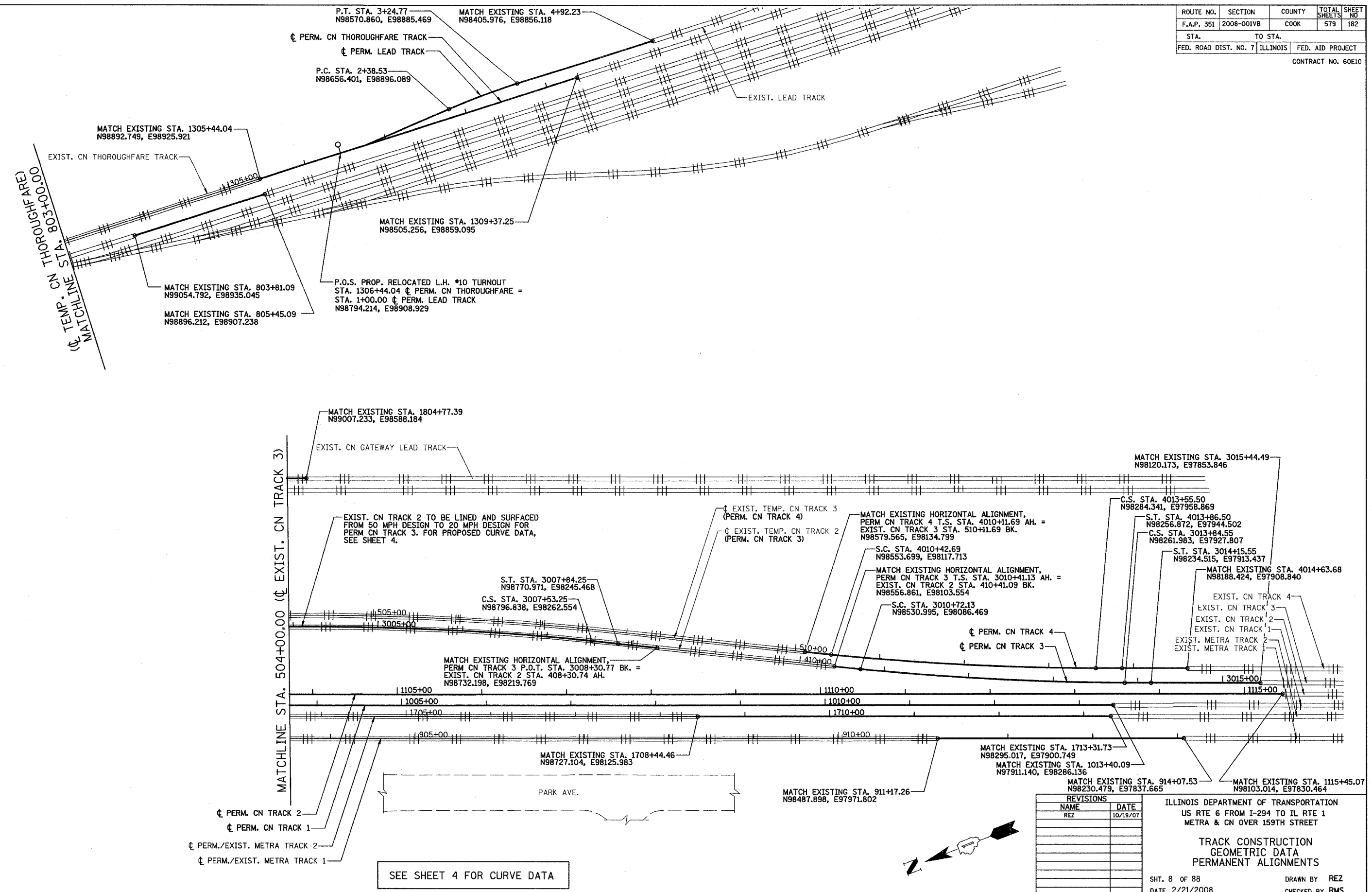
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 CHECKED BY RMS



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	182
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 60E10				

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REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 GEOMETRIC DATA
 PERMANENT ALIGNMENTS**

SHT. 8 OF 88
 DATE 2/21/2008

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PERIMETER EROSION BARRIER
 (CONSTRUCT AS SHOWN, LAYOUT MAY VARY AT THE DIRECTION OF THE ENGINEER.)
 STA. 795+56, LT. TO STA. 799+28, LT. = 375 FT.
 STA. 800+58, LT. TO STA. 803+00, LT. = 244 FT.
 STA. 491+15, RT. TO STA. 499+88, RT. = 888 FT.
 STA. 500+91, RT. TO STA. 504+00, RT. = 292 FT.
 TOTAL = 1799 FT.

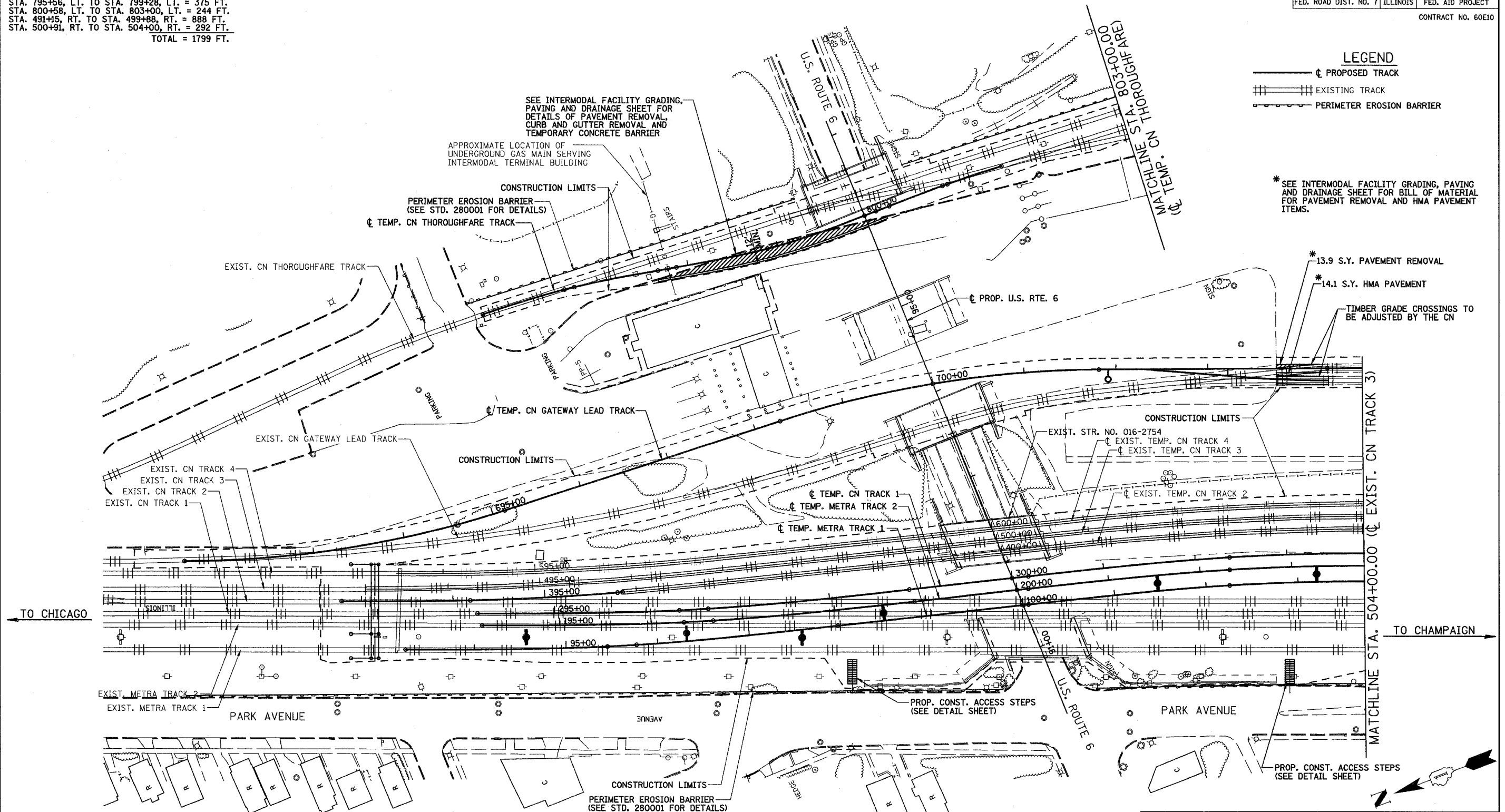
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	183
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 60E10

LEGEND

- PROPOSED TRACK
- ||— EXISTING TRACK
- PERIMETER EROSION BARRIER

* SEE INTERMODAL FACILITY GRADING, PAVING AND DRAINAGE SHEET FOR BILL OF MATERIAL FOR PAVEMENT REMOVAL AND HMA PAVEMENT ITEMS.



REVISIONS

NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 GENERAL PLAN
 TEMPORARY ALIGNMENTS**

SHT. 9 OF 88
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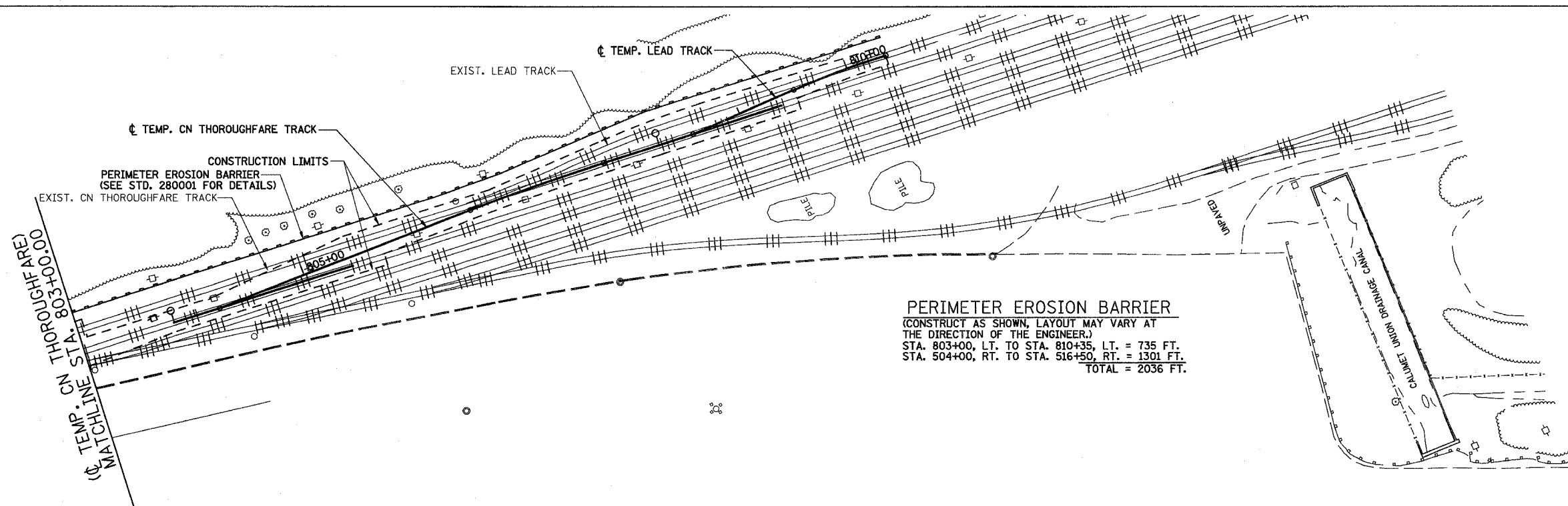
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.P. 351	2008-001VB	COOK	579	184
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 7	ILLINOIS		CONTRACT NO. 60E10	

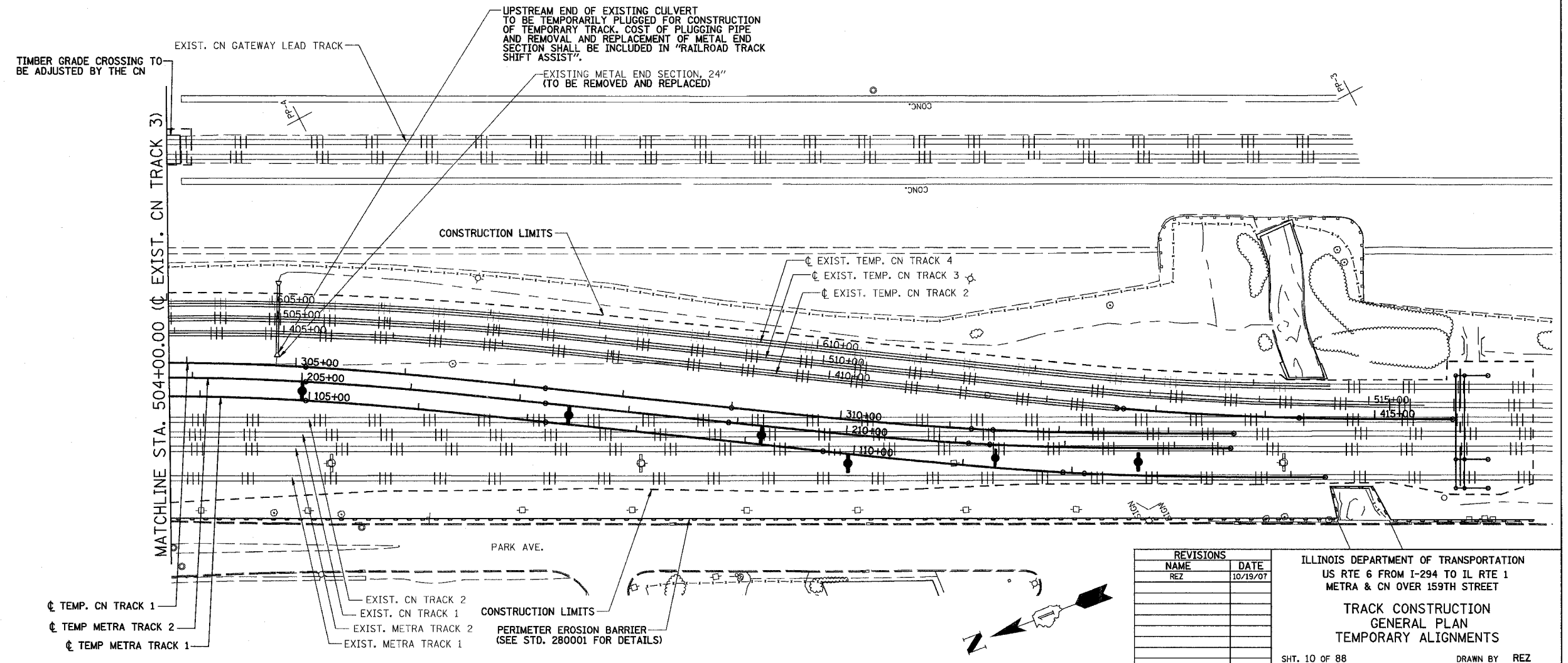
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 —●— PROPOSED TRACK
 ||||| EXISTING TRACK
 - - - PERIMETER EROSION BARRIER

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PERIMETER EROSION BARRIER
 (CONSTRUCT AS SHOWN, LAYOUT MAY VARY AT THE DIRECTION OF THE ENGINEER.)
 STA. 803+00, LT. TO STA. 810+35, LT. = 735 FT.
 STA. 504+00, RT. TO STA. 516+50, RT. = 1301 FT.
 TOTAL = 2036 FT.



UPSTREAM END OF EXISTING CULVERT TO BE TEMPORARILY PLUGGED FOR CONSTRUCTION OF TEMPORARY TRACK. COST OF PLUGGING PIPE AND REMOVAL AND REPLACEMENT OF METAL END SECTION SHALL BE INCLUDED IN "RAILROAD TRACK SHIFT ASSIST".

EXISTING METAL END SECTION, 24" (TO BE REMOVED AND REPLACED)

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 GENERAL PLAN
 TEMPORARY ALIGNMENTS**

SHT. 10 OF 88
 DATE 2/21/2008

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GRANULAR SURFACE MATERIAL
ALONG METRA EMBANKMENT = 180 CU. YD.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	185
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60E10

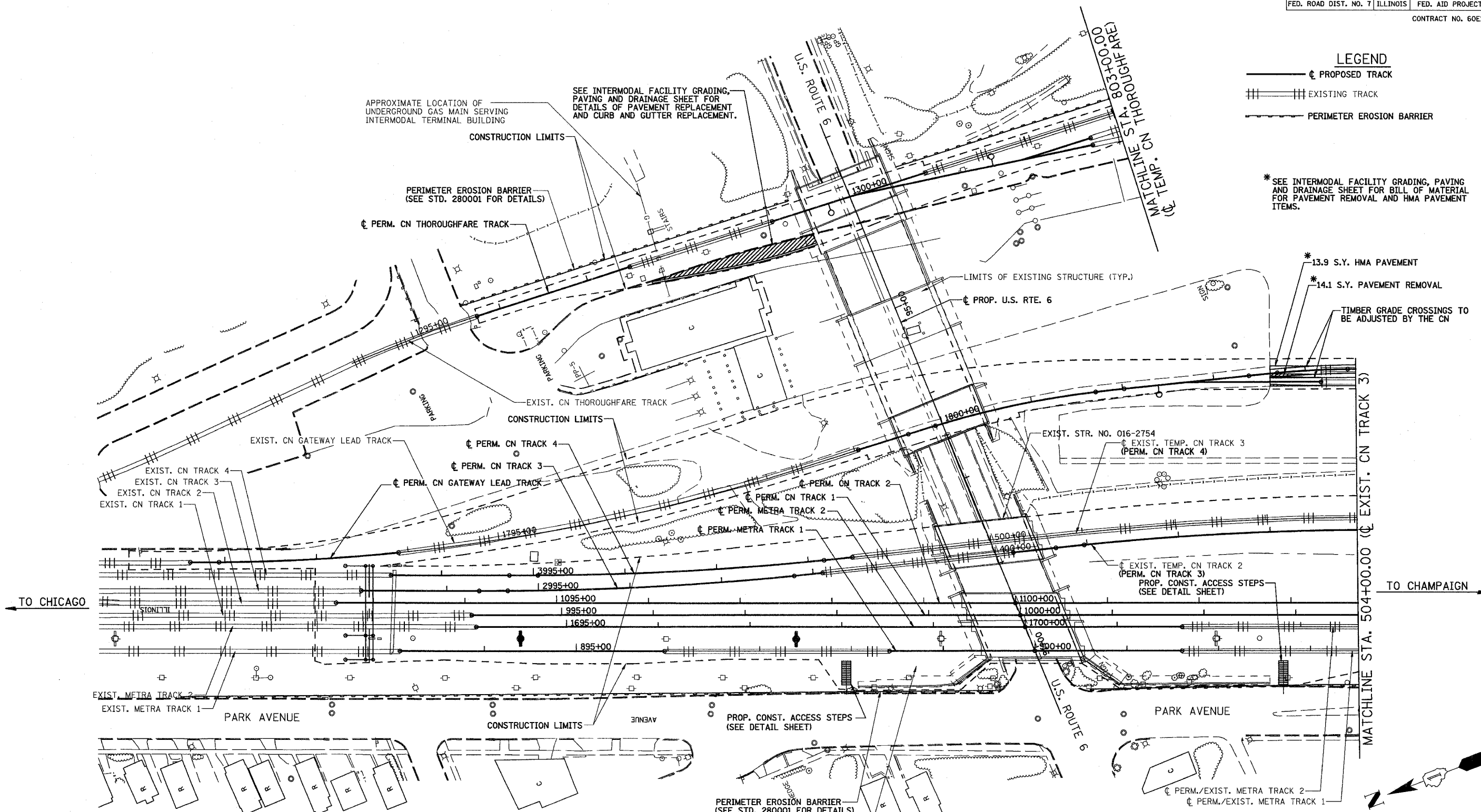
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LEGEND

- PROPOSED TRACK
- EXISTING TRACK
- PERIMETER EROSION BARRIER

* SEE INTERMODAL FACILITY GRADING, PAVING AND DRAINAGE SHEET FOR BILL OF MATERIAL FOR PAVEMENT REMOVAL AND HMA PAVEMENT ITEMS.



COLLECT AND RE-USE GRANULAR SURFACE MATERIAL ALONG RAILROAD EMBANKMENT. FURNISH AND PLACE ADDITIONAL GRANULAR SURFACE MATERIAL AS DIRECTED BY THE ENGINEER. (SEE SPECIAL PROVISIONS FOR DETAILS.)

TO MILEPOST 20, 3487.3', ALONG
EXISTING CN TRACK 3
STA. 465+12.70

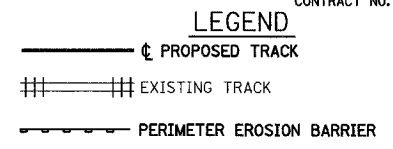
REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
GENERAL PLAN
PERMANENT ALIGNMENT**

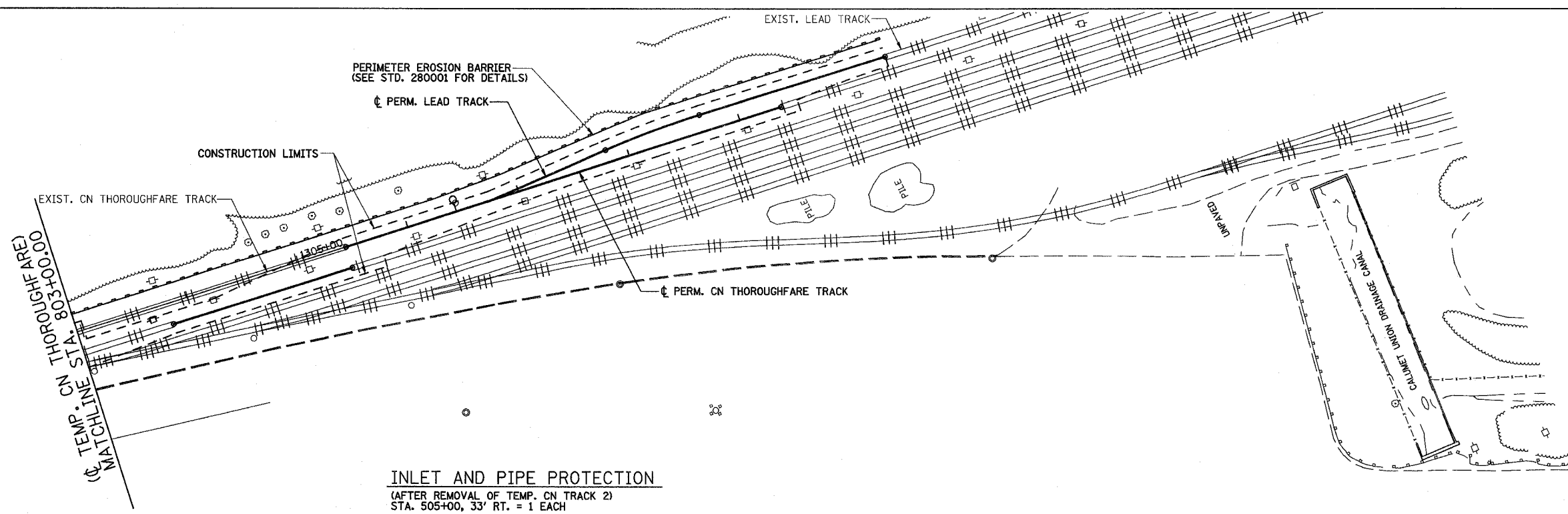
SHT. 11 OF 88
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	186
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 7	ILLINOIS		CONTRACT NO. 60E10	

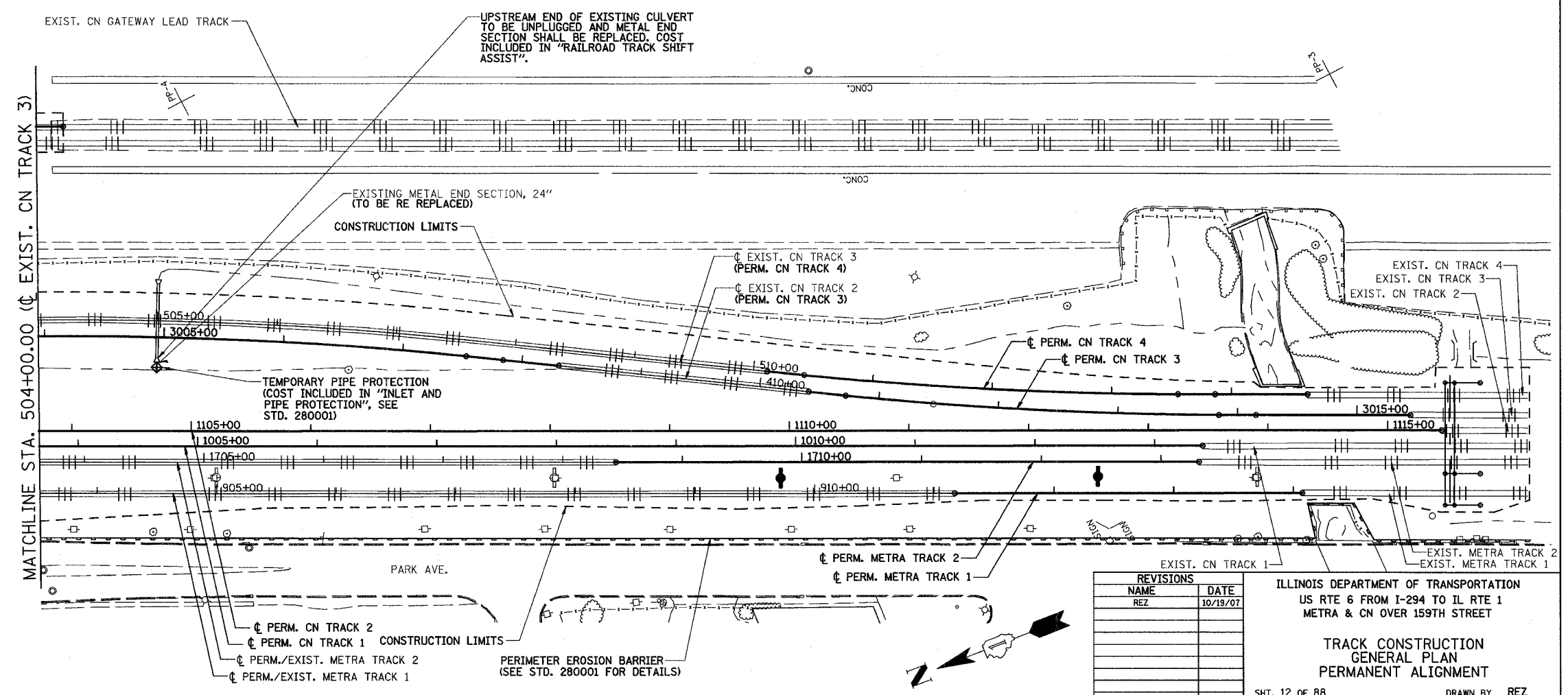


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INLET AND PIPE PROTECTION
(AFTER REMOVAL OF TEMP. CN TRACK 2)
STA. 505+00, 33' RT. = 1 EACH



REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
GENERAL PLAN
PERMANENT ALIGNMENT**

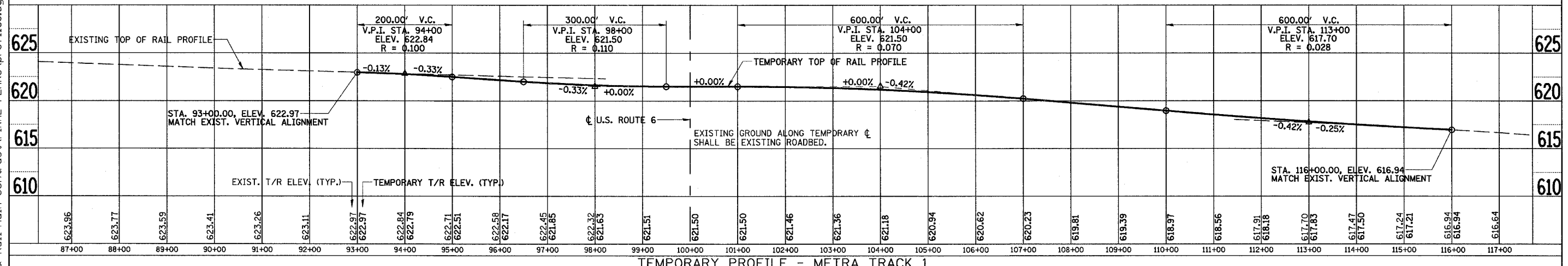
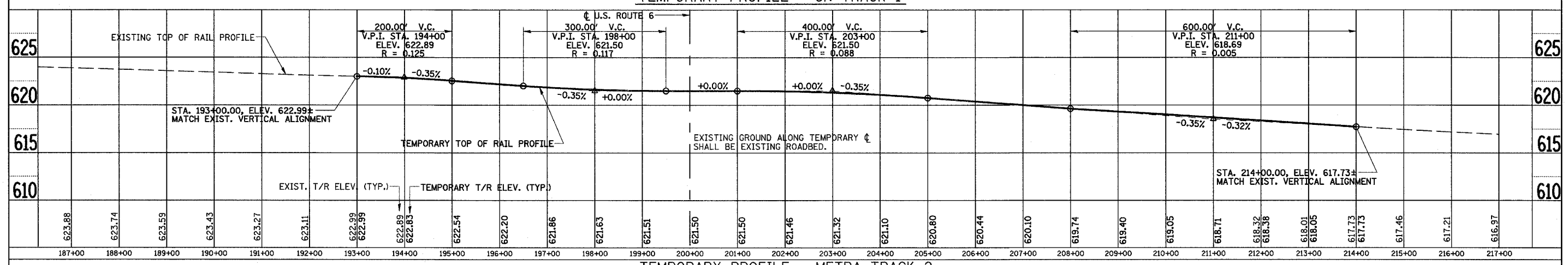
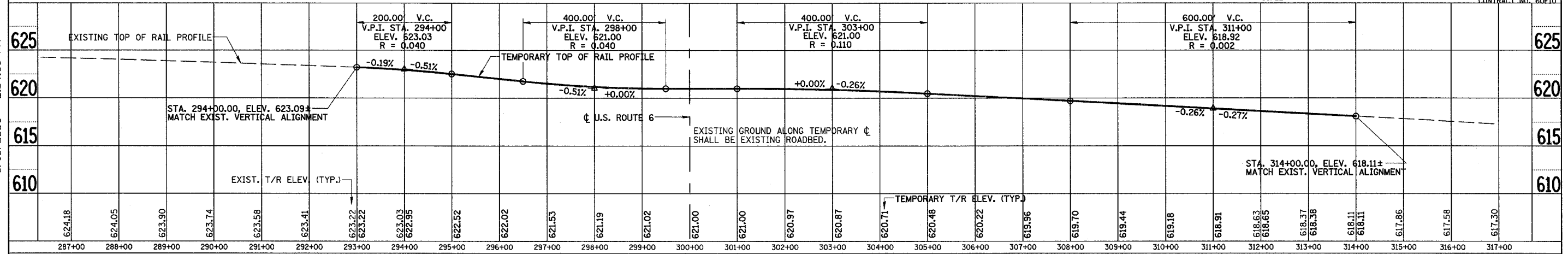
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	187
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS		
SCALE		FED. AID PROJECT		
CONTRACT NO. 60E10				



REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 TRACK PROFILES**

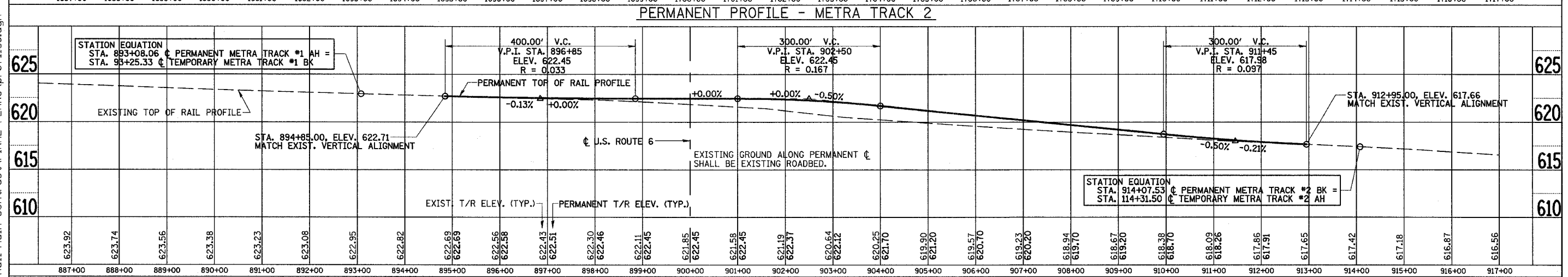
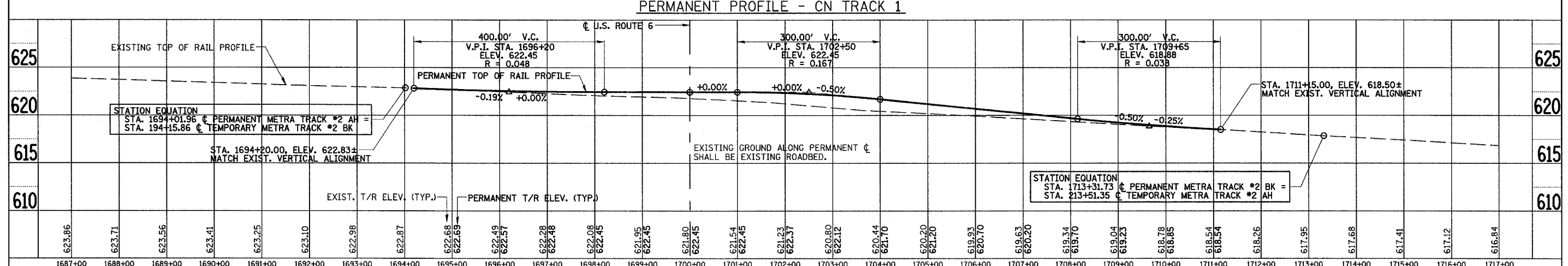
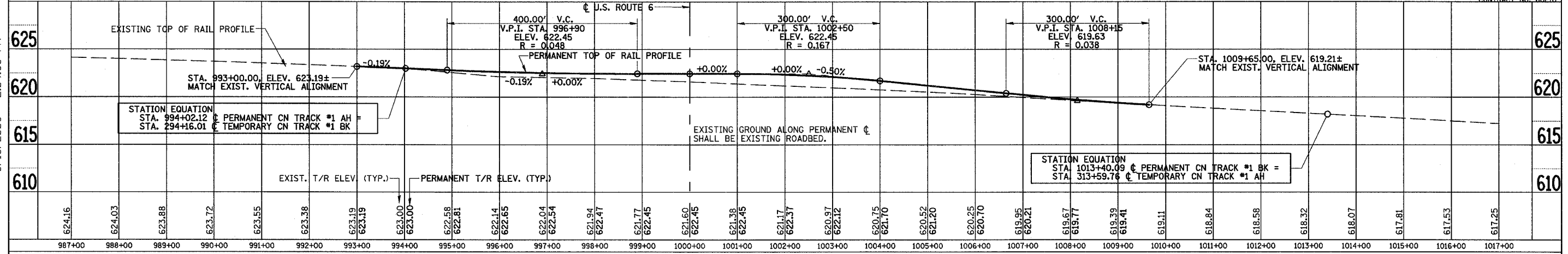
SHT. 13 OF 88
 DATE 2/21/2008

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	188
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60E10				



REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

TRACK CONSTRUCTION
 TRACK PROFILES

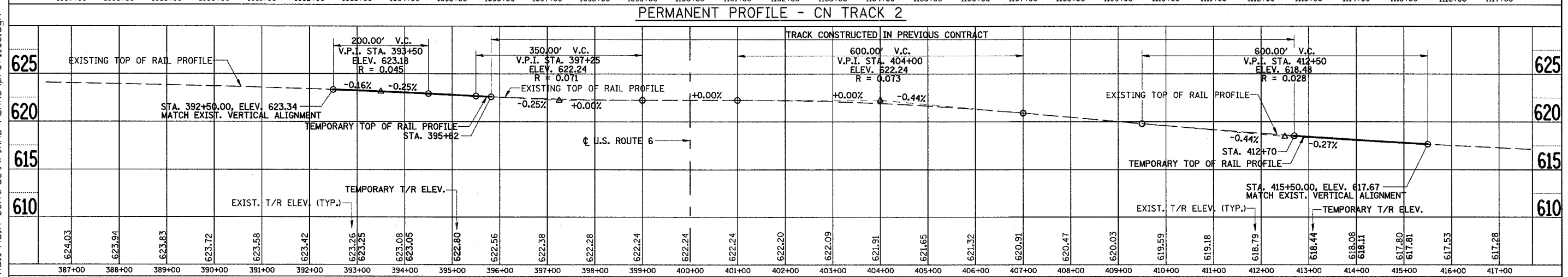
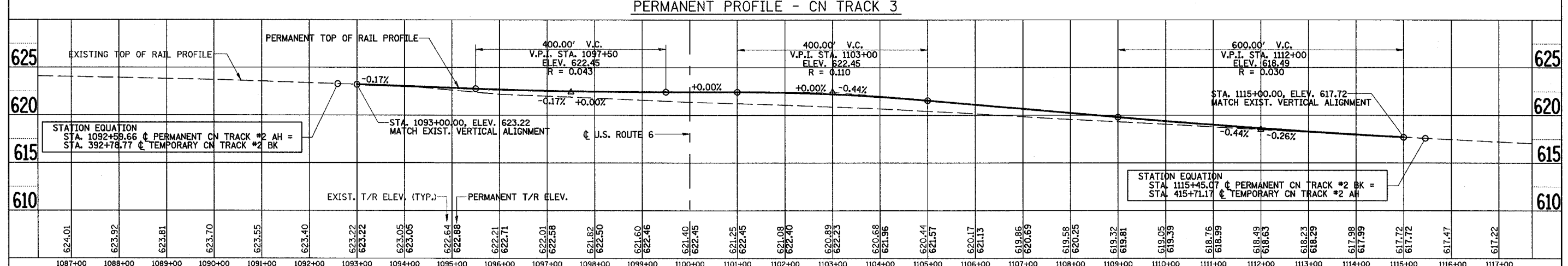
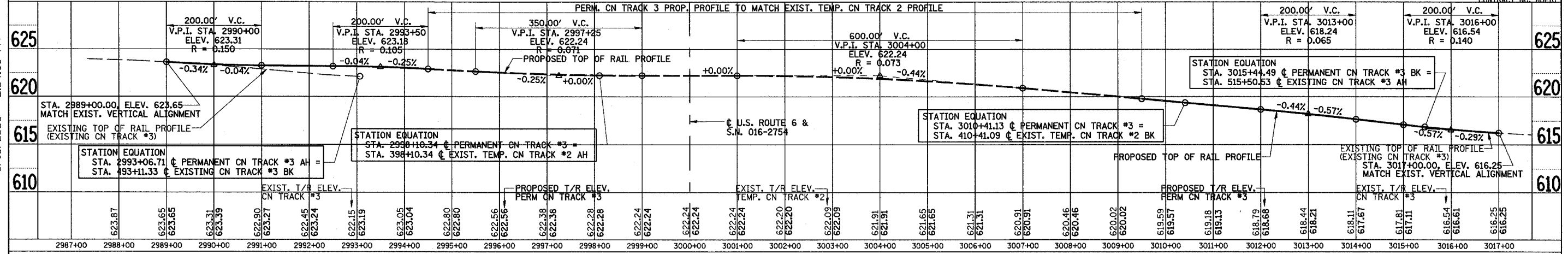
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	189
STA.	TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
SCALE				
VERT. 5 0 5 10				
HORZ. 100 0 100 200				



TEMPORARY PROFILE - CN TRACK 2

REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

TRACK CONSTRUCTION
 TRACK PROFILES

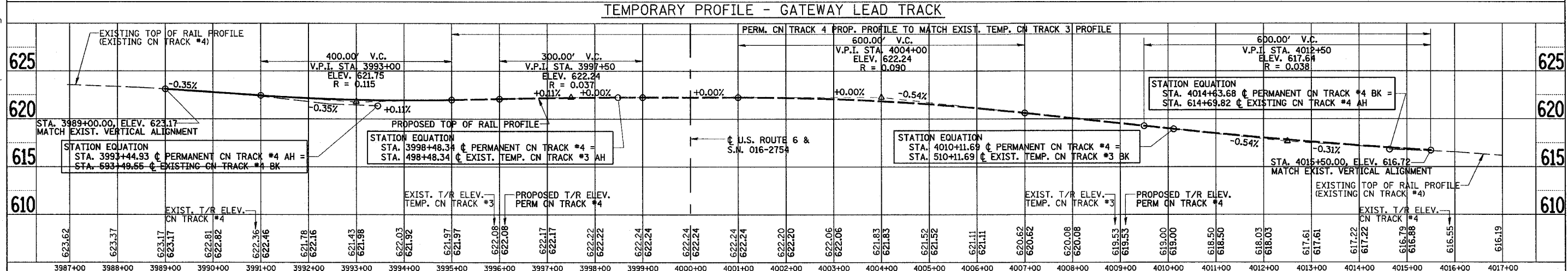
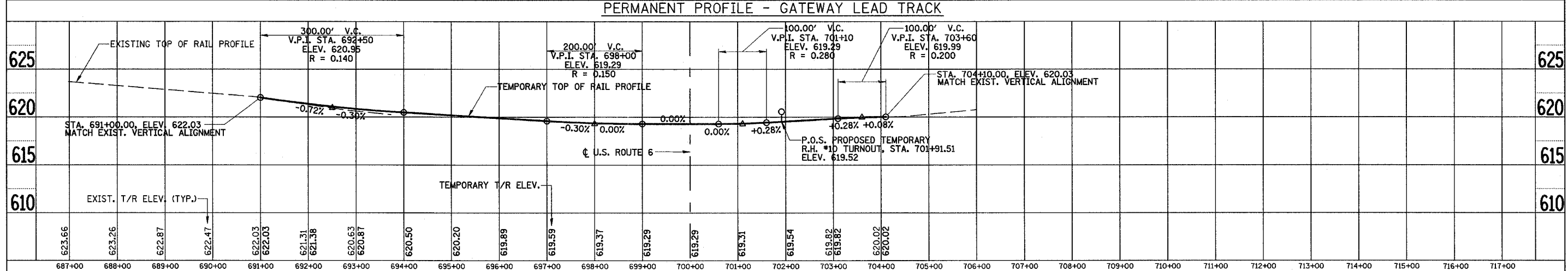
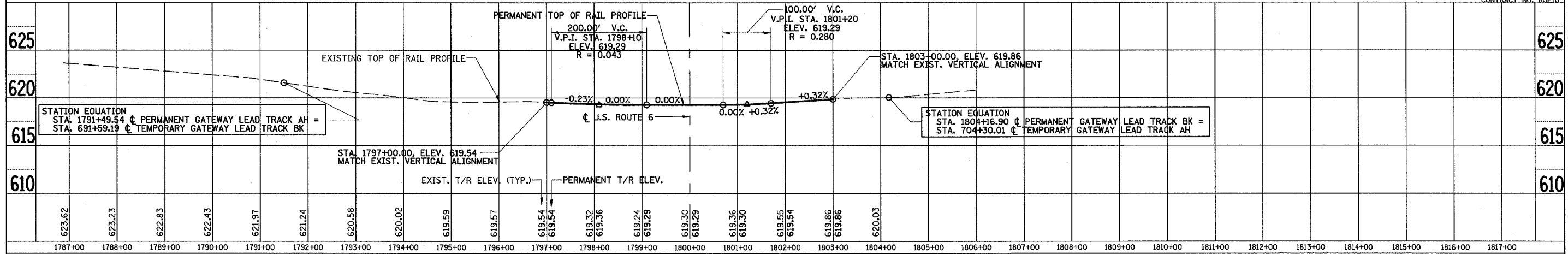
SHT. 15 OF 88
 DATE 2/21/2008

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	190
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
SCALE				
VERT. 5 0 5 10				
HORZ. 100 0 100 200				



REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

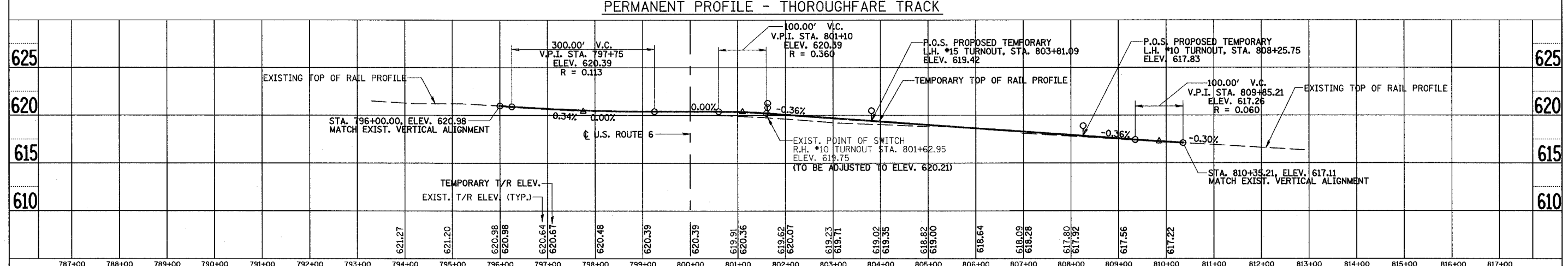
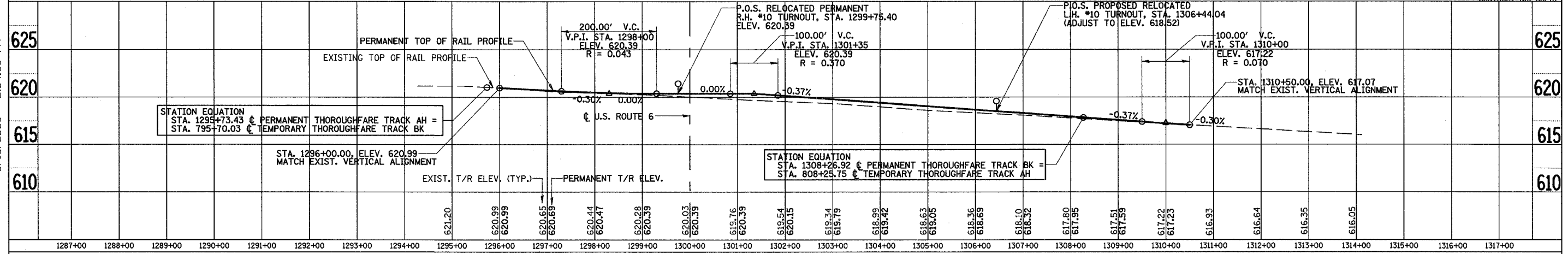
TRACK CONSTRUCTION TRACK PROFILES

SHT. 16 OF 88
 DATE 2/21/2008

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	191
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS		
SCALE		FED. AID PROJECT		



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REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 TRACK PROFILES**

SHT. 17 OF 88
 DATE 2/21/2008

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.P. 351	2008-001VB	COOK	579	192
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 7	ILLINOIS			

CONTRACT NO. 60E10

LEGEND

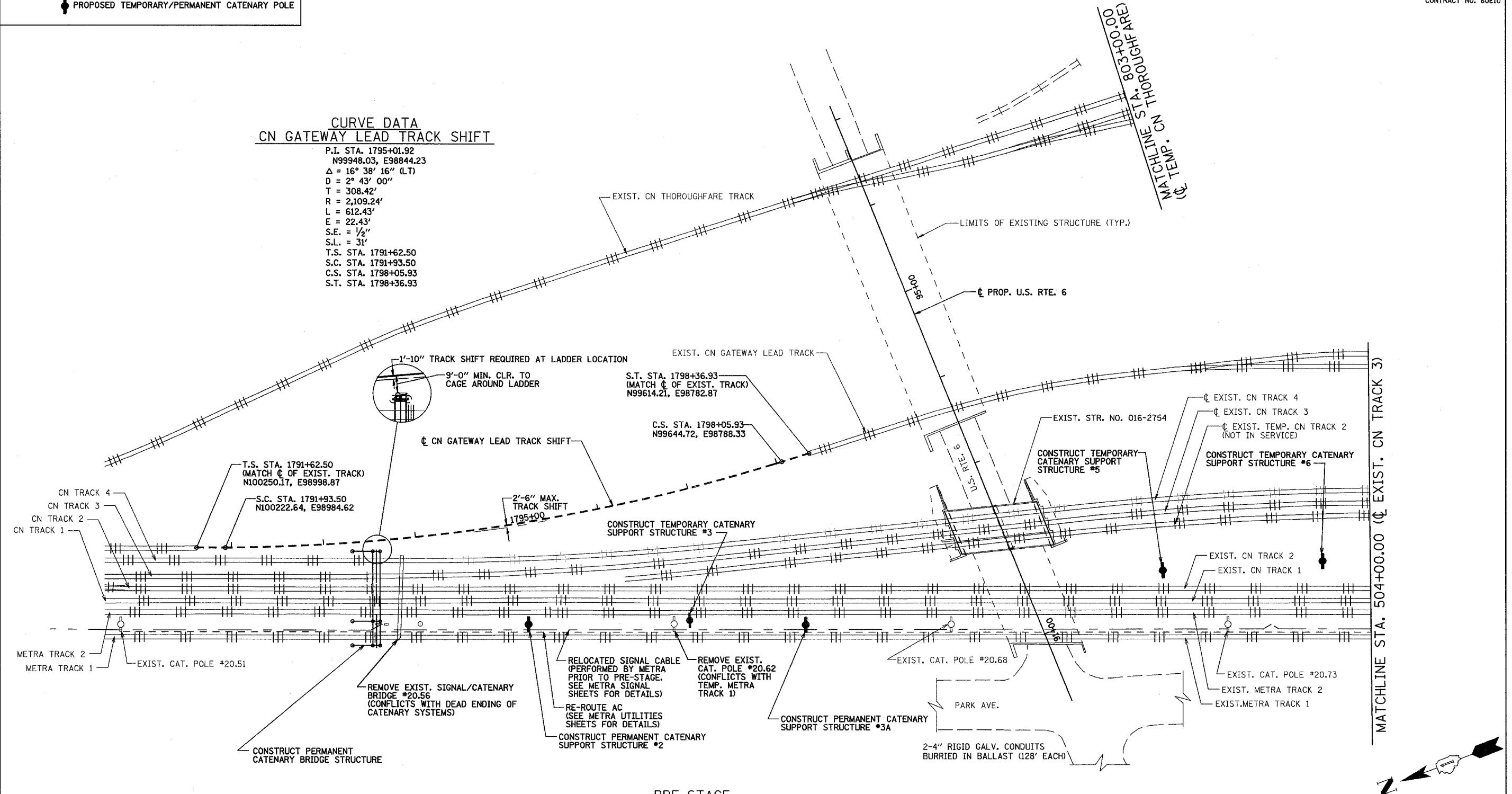
- ||| EXISTING TRACK
- EXISTING CATENARY POLE
- ◆ PROPOSED TEMPORARY/PERMANENT CATENARY POLE

**CURVE DATA
CN GATEWAY LEAD TRACK SHIFT**

P.I. STA. 1795+01.92
 N99948.03, E98844.23
 $\Delta = 16^\circ 38' 16''$ (LT)
 $D = 2^\circ 43' 00''$
 $T = 308.42'$
 $R = 2,109.24'$
 $L = 612.43'$
 $E = 22.43'$
 $S.E. = 1/2''$
 $S.L. = 31'$
 T.S. STA. 1791+62.50
 S.C. STA. 1791+93.50
 C.S. STA. 1798+05.93
 S.T. STA. 1798+36.93

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PRE-STAGE

- NOTES:
- FOR PRE-STAGE SUGGESTED TRACK CONSTRUCTION TASKS & SEQUENCING SEE SHEET 20.
 - EXISTING CN TRACKS 1 & 2 SHALL NOT BE CROSSED DURING CONSTRUCTION OF PRE-STAGE WORK.

PRE-STAGE WORK SUMMARY

SHIFT GATEWAY LEAD TRACK
CONSTRUCT CATENARY DEAD END STRUCTURES
CONSTRUCT CATENARY SUPPORT STRUCTURES #1, #2, #3, #3A, #5, #6, #7, #9A, #10 & #11
REMOVE EXISTING CATENARY SIGNAL BRIDGE 20.56
REMOVE EXISTING CATENARY POLES 20.62 & 20.90

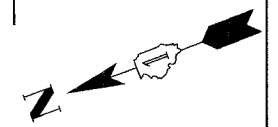
REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
PRE-STAGE - CATENARY RELATED**

SHT. 18 OF 88
 DATE 2/21/2008

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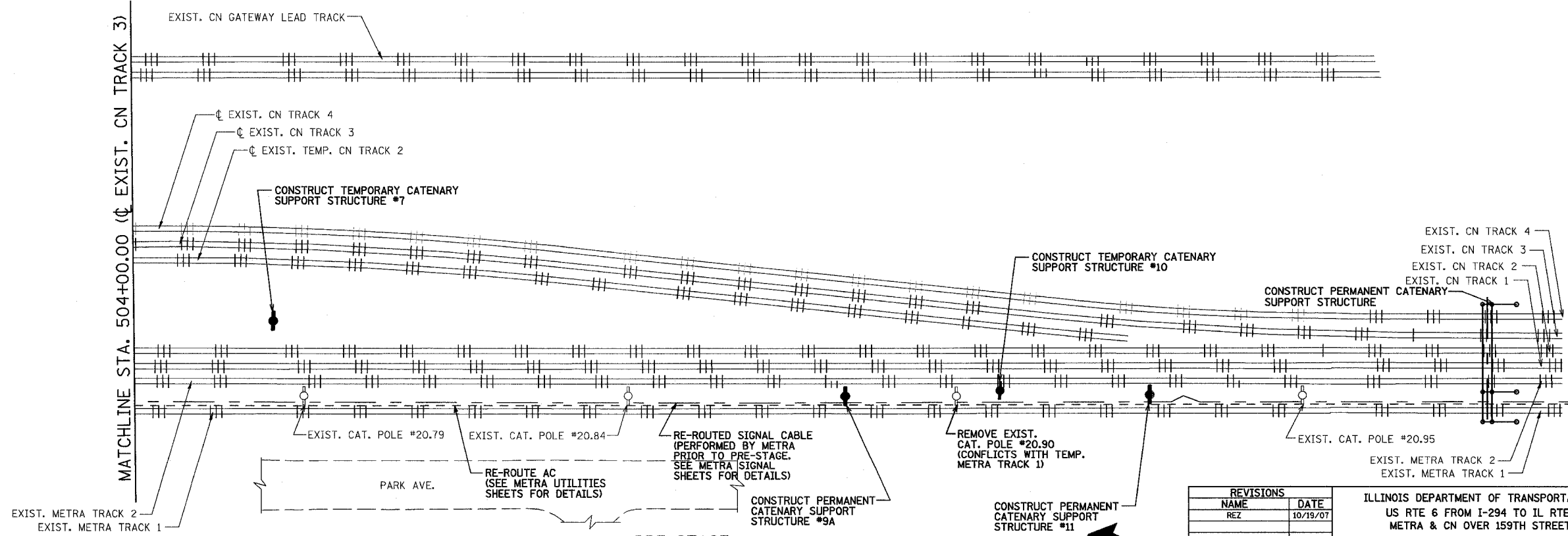
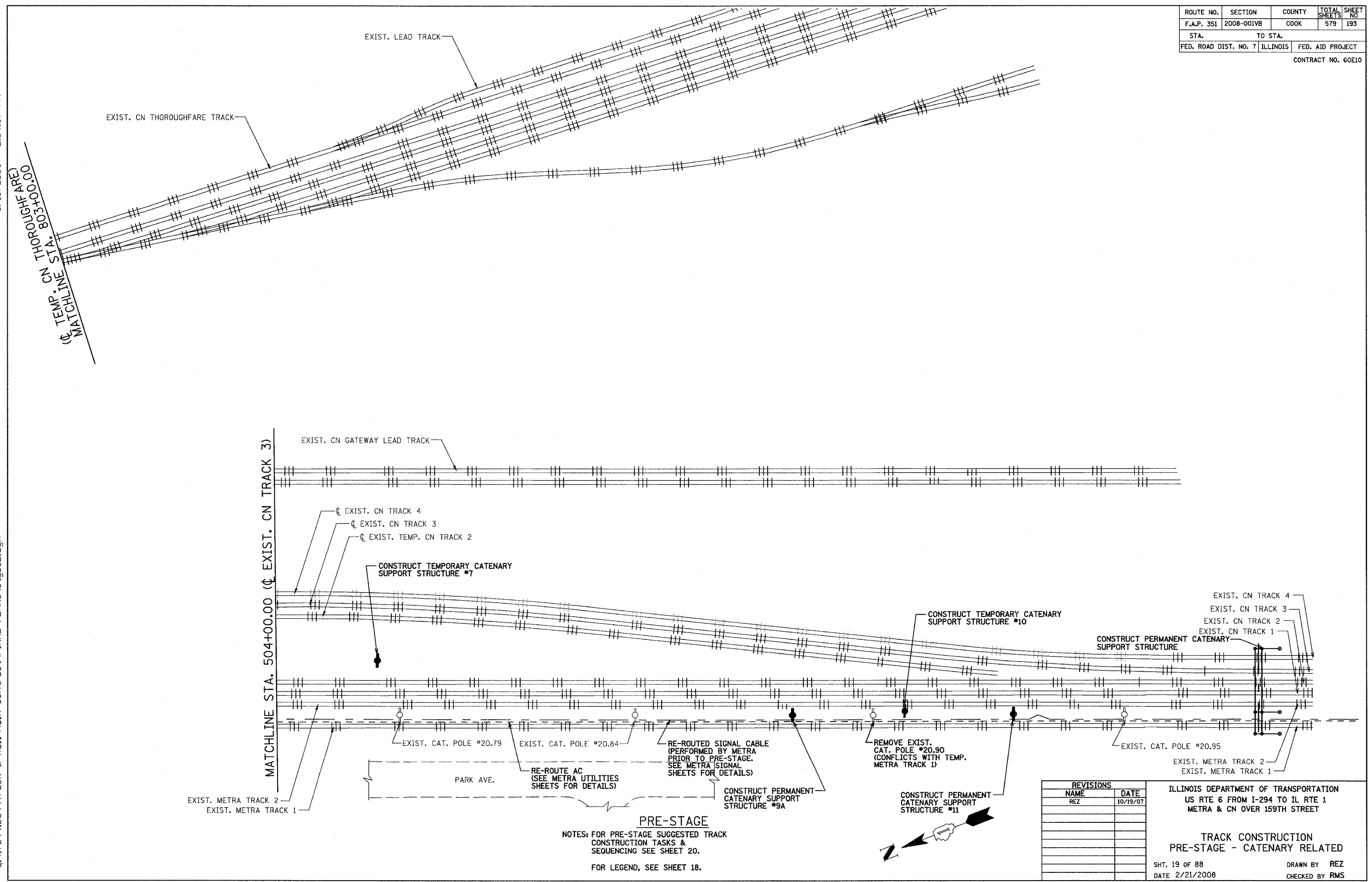


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	193
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60E10

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PRE-STAGE

NOTES: FOR PRE-STAGE SUGGESTED TRACK CONSTRUCTION TASKS & SEQUENCING SEE SHEET 20.

FOR LEGEND, SEE SHEET 18.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 PRE-STAGE - CATENARY RELATED**

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.P. 351	2008-001VB	COOK	579	194
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60E10

**WORK BY METRA AND CN BEFORE START OF CONTRACT
(NO WORK BY CONTRACTOR - FOR REFERENCE ONLY)**

1. SHIFT GATEWAY LEAD TRACK TO PROVIDE ADEQUATE CLEARANCE TO DEAD END STRUCTURE (CN)
2. SHIFT AERIAL FIBER OPTIC CABLE LATERALLY, LEAVING ON POLES, TO ALLOW ROOM FOR CONSTRUCTION OF CATENARY SUPPORT STRUCTURES (METRA)
3. INSTALL BURIED SIGNAL CABLE ALONG EAST SIDE OF TRACK 1 FROM EXIST. SIGNAL CASE JUST SOUTH OF CAT. STR. 20.39 TO EXIST. SIGNAL CASE JUST NORTH OF CAT. STR. 20.99 REROUTED TO ALLOW CONSTRUCTION OF FOUNDATONS FOR NEW CATENARY SUPPORT STRUCTURES (METRA)

SUGGESTED PRE-STAGE TRACK CONSTRUCTION SEQUENCE

1. FURNISH & INSTALL JUNCTION BOXES AT CAT. STR. 20.51 & CAT. STR. 20.97. FOR TEMPORARY REROUTING OF EXISTING OVERHEAD 2400V & 4160V AC POWER LINES (CONTRACTOR)
2. FURNISH & INSTALL CONDUITS & CABLES FOR TEMPORARY RE-ROUTNG OF 2400V & 4160V AC POWER LINES UNDERGROUND BETWEEN JUNCTION BOXES AT STR. 20.51 TO 20.97 ALONG EAST EDGE OF EXISTING METRA TRACK #1, PROVIDING GROUND MOUNTED HAND HOLES AT STA. 196+50 AND STA 1+25 FOR LATER RE-ROUTING ALONG DIVERSION OF METRA TRACKS BEFORE REMOVAL OF BRIDGE OVER 159TH ST (CONTRACTOR)
3. FURNISH & INSTALL SERVICE DROPS DOWN POLES TO JUNCTION BOXES AT CAT. STR. 20.51 AND CAT. STR. 20.97 FOR TEMPORARY RE-ROUTING OF AC POWER (METRA)
4. PROVIDE TEMPORARY DEAD END GUYS FOR CATENARY STRUCTURES 20.51 AND 20.97 FOR TEMPORARILY TERMINATING EXISTING OVERHEAD AC DISTRIBUTION POWER LINES AND FIBER OPTIC CABLE (METRA)
5. CUTOVER TO TEMPORARY UNDERGROUND SYSTEM EXISTING OVERHEAD AC 2400V & 4160V POWER BETWEEN CAT. STR. 20.51 AND CAT. STR. 20.97 (METRA)
6. REMOVE AERIAL AC 2400V & 4160V LINES BETWEEN CAT. STR. 20.51 & CAT. STR. 20.97 (METRA)
7. CONSTRUCT CATENARY SUPPORT STRUCTURES #2, #3, #3A, #9A, #10 & #11 BETWEEN METRA TRACKS #1 & #2 AND STRUCTURES #5, #6, #7 EAST OF CN TRACK #2 (SEE CATENARY STRUCTURE PLANS) (CONTRACTOR)
8. CONSTRUCT CATENARY DEAD END STRUCTURE AT STA. 215+71.00 SPANNING OVER METRA TRACKS #1 & #2 AND CN TRACKS #1, #2, #3 & #4 (SEE CATENARY STRUCTURE PLANS) (CONTRACTOR)
9. CONSTRUCT CATENARY BRIDGE STRUCTURE #1 (STA. 192+99.00) CONSISTING OF STRUCTURE SPANNING OVER METRA TRACKS #1 & #2 AND CN TRACKS #1, #2, #3 & #4 FOR CATENARY DEAD-END, CATENARY SUPPORT, & METRA & CN SIGNAL SUPPORT (SEE CATENARY STRUCTURE PLANS) (CONTRACT)
10. PERFORM OTHER ELECTRICAL & SIGNAL CASE WORK TO ENABLE PLACING METRA & CN SIGNALS ON NEW CATENARY BRIDGE #1 (METRA & CN) (SEE SIGNAL PLANS FOR METRA WORK)
11. INSTALL AC SERVICE DROP & AC TRANSFORMER AT EXISTNG CATENARY STRUCTURE 20.51 FOR POWER TO METRA SIGNAL EQUIPMENT (METRA)
12. REGRADE CATENARY SYSTEM BETWEEN EXISTING CATENARY POLES 20.51 AND 20.68 USING NEW CATENARY STRUCTURES #1, #2, & #3A AND REMOVING FROM EXISTING SIGNAL BRIDGE 20.56 AND CATENARY POLE 20.62 (METRA)
13. INSTALL NEW METRA TRACK #2 SIGNALS ON NEW CATENARY BRIDGE STRUCTURE #1 TO REPLACE THOSE ON EXISTING SIGNAL BRIDGE 20.56 (METRA)
14. INSTALL NEW CN TRACKS #1, #2, & #3 SIGNALS ON NEW CATENARY BRIDGE STRUCTURE #1 TO REPLACE THOSE ON EXISTING SIGNAL BRIDGE 20.56 (METRA)
15. MOVE EXISTING INSULATED JOINTS AND IMPEDANCE BONDS FROM EXISTING LOCATION AT BRIDGE 20.56 TO NEW CATENARY STRUCTURE #1, PLACE NEW METRA & CN SIGNALS IN SERVICE AND REMOVE SIGNALS FROM EXISTING SIGNAL BRIDGE 20.56 (METRA)
16. REMOVE EXISTING SIGNAL BRIDGE 20.56 (CONTRACTOR)
17. REGRADE CATENARY SYSTEM BETWEEN EXISTING CATENARY POLES 20.84 AND 20.95 USING NEW CATENARY SUPPORT STRUCTURES #9A & #11 AND REMOVING FROM CATENARY POLE 20.90 (METRA)
18. REMOVE EXISTING CATENARY POLES 20.62 & 20.90 (CONTRACTOR)

NOTE:
DURATIONS NOTED ABOVE FOR WORK PERFORMED BY METRA AND THE CN ARE APPROXIMATE ONLY AND SUBJECT TO WEATHER CONDITIONS, AVAILABILITY OF RAILROAD STAFF, AND NUMEROUS OTHER FACTORS. THE CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK AND PLANNED SCHEDULE WITH THE RAILROADS CONCERNING WORK TO BE PERFORMED BY THE RAILROADS. NO ADDITIONAL TIME WILL BE ALLOWED IN THE CONTRACTOR'S SCHEDULE FOR MEETING OF THE INTERIM COMPLETION DATES SPECIFIED FOR THIS PROJECT DUE TO VARIATIONS IN THESE APPROXIMATE DURATIONS.

NOTES:

1. NO TRACK-SPECIFIC CONTRACTOR PAY ITEMS ASSOCIATED WITH THIS STAGE.
2. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION OF CATENARY SUPPORT AND CATENARY DEAD END STRUCTURES SEE CATENARY STRUCTURES SHEETS.
3. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF CONDUITS AND CABLES FOR RE-ROUTING OF METRA AC POWER AND FIBER OPTIC SCADA/COMMUNICATION SYSTEM, SEE METRA UTILITIES SHEETS.
4. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF METRA SIGNAL SYSTEM, SEE METRA SIGNALS SHEETS.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
PRE-STAGE TASKS AND SEQUENCING**

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LEGEND

- +— NEW TRACK CONSTRUCTION
- +— NEW TRACK COMPLETED IN PREVIOUS STAGE
- - - EXISTING TRACK TO BE REALIGNED
- - - TEMPORARY TRACK TO BE REMOVED
- ||||| EXISTING TRACK TO BE REMOVED AS SHOWN
- ||||| EXISTING TRACK
- EXISTING CATENARY POLE
- PROPOSED TEMPORARY/PERMANENT CATENARY POLE
- ✕ ITEM TO BE REMOVED
- ▨ PROPOSED ROADBED CONSTRUCTION
- ⚡ PROPOSED TEMPORARY/PERMANENT POINT OF SWITCH

RAILROAD TRACK, REMOVE (BY CONTRACTOR)

EXIST. CN TRACK 2
 STA. EXIST CN 2 395+84.84
 TO EXIST CN 2 403+88.84 = 804 TRK. FT.
 EXIST. CN TRACK 1
 STA. EXIST CN 1 297+31.57
 TO EXIST CN 1 303+81.57 = 650 TRK. FT.
 TOTAL = 1454 TRK. FT.

RAILROAD TRACK (BY CONTRACTOR)

TEMP. CN TRACK 1
 STA. 297+31.57 TO 303+84.00 = 652 TRK. FT.
 TEMP. METRA TRACK 2
 STA. 198+61.61 TO 203+79.00 = 517 TRK. FT.
 TEMP. METRA TRACK 1
 STA. 100+11.56 TO 103+73.00 = 361 TRK. FT.
 TOTAL = 1530 TRK. FT.

RAILROAD TRACK SHIFT (BY CN)

REALIGN EXIST. CN TRACK 2
 STA. 392+78.77 TO 395+84.84
 REALIGN EXIST. CN TRACK 1
 STA. 294+16.01 TO 297+31.57

RAILROAD TRACK SHIFT ASSIST (BY CONTRACTOR)

1 EACH FOR ABOVE CN TRACK SHIFTS
 TOTAL = 2 EA.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.P. 351	2008-001VB	COOK	579	195
STA.	TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60E10				

BALLAST (BY CONTRACTOR)

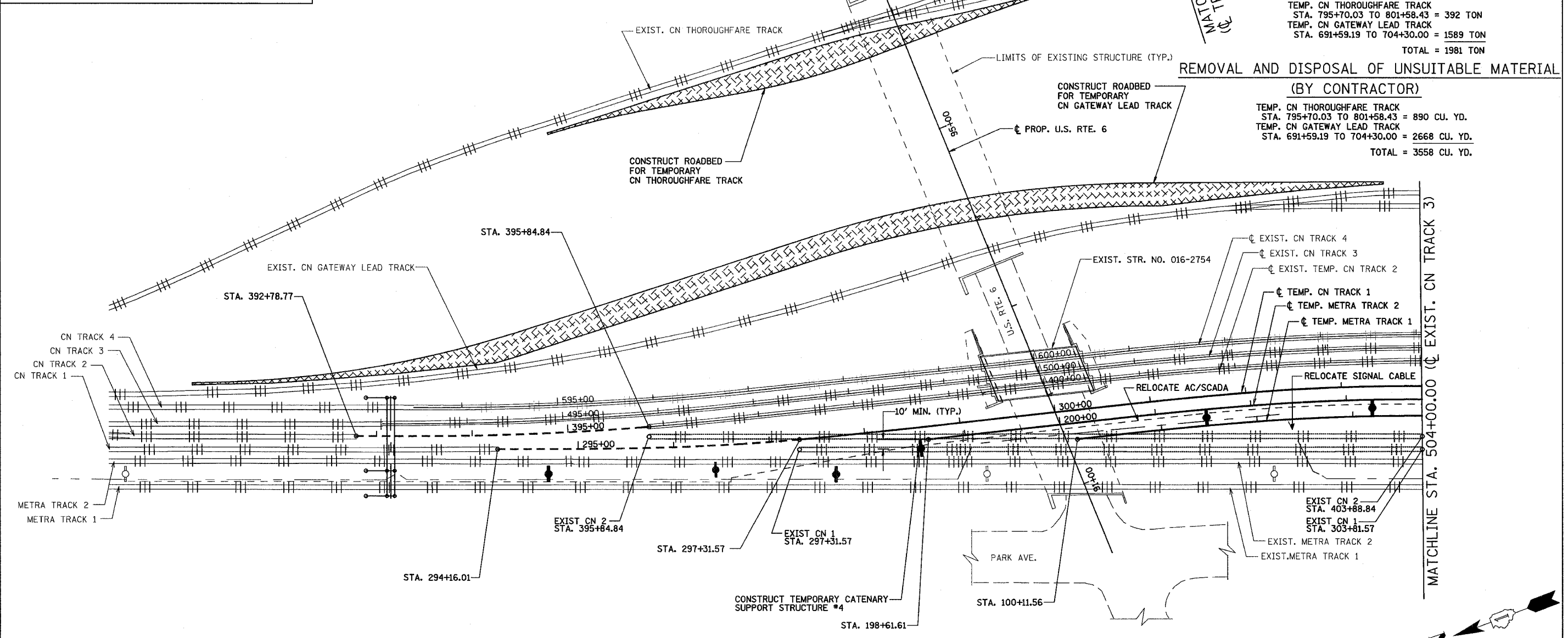
TEMP. CN TRACK 1
 STA. 299+87.84 TO 303+83.96 = 436 TON
 TEMP. METRA TRACK 2
 STA. 199+83.94 TO 203+78.77 = 437 TON
 TEMP. METRA TRACK 1
 STA. 100+11.56 TO 103+72.22 = 437 TON
 TEMP. CN THOROUGHFARE TRACK
 STA. 795+70.03 TO 801+58.43 = 794 TON
 TEMP. CN GATEWAY LEAD TRACK
 STA. 691+59.19 TO 704+30.00 = 2472 TON
 TOTAL = 4576 TON

SUBBALLAST (BY CONTRACTOR)

TEMP. CN THOROUGHFARE TRACK
 STA. 795+70.03 TO 801+58.43 = 392 TON
 TEMP. CN GATEWAY LEAD TRACK
 STA. 691+59.19 TO 704+30.00 = 1589 TON
 TOTAL = 1981 TON

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (BY CONTRACTOR)

TEMP. CN THOROUGHFARE TRACK
 STA. 795+70.03 TO 801+58.43 = 890 CU. YD.
 TEMP. CN GATEWAY LEAD TRACK
 STA. 691+59.19 TO 704+30.00 = 2668 CU. YD.
 TOTAL = 3558 CU. YD.



STAGE 1

NOTES:
 FOR STAGE 1 SUGGESTED TRACK CONSTRUCTION TASKS & SEQUENCING SEE SHEET 23.
 FOR AC/SCADA AND SIGNAL RELOCATION SEE METRA UTILITIES SHEETS.
 FOR SIGNAL CABLE RELOCATION SEE SIGNAL SHEETS.

STAGE 1 WORK SUMMARY

SHIFT CN TRACK 2 TO TEMPORARY DIVERSION
 CONSTRUCT PORTIONS OF TEMP DIVERSIONS FOR CN 1 AND METRA 1 & 2 TRACKS
 SHIFT CN TRACK 1 TO TEMPORARY DIVERSION
 CONSTRUCT TEMPORARY CATENARY SUPPORT STRUCTURES #4, #8 & #9

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 PLAN OF STAGE 1 WORK (NORTH)**

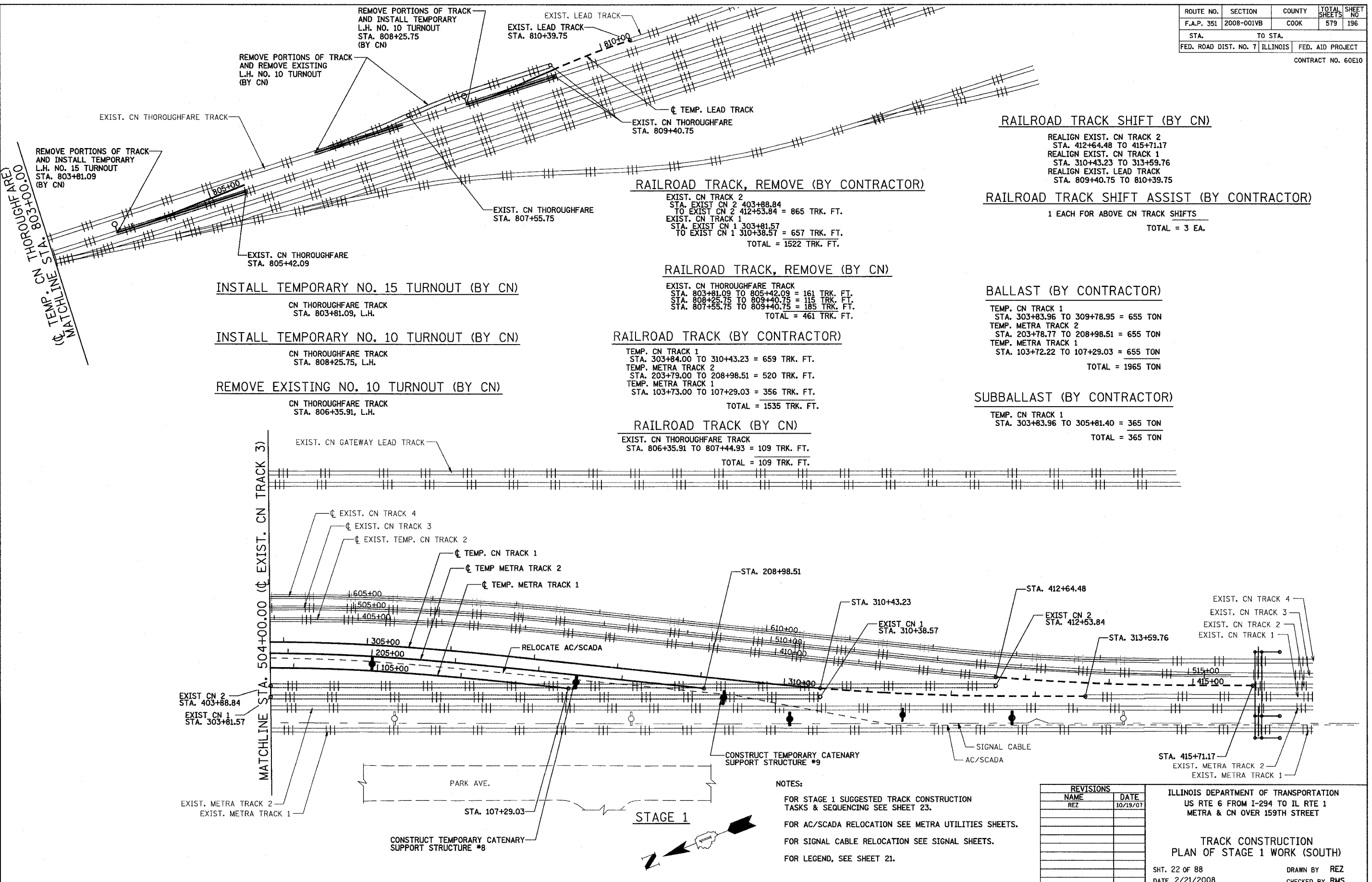
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.P. 351	2008-001VB	COOK	579	196
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 60E10				

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- REMOVE PORTIONS OF TRACK AND INSTALL TEMPORARY L.H. NO. 10 TURNOUT (BY CN)
STA. 808+25.75
- REMOVE PORTIONS OF TRACK AND REMOVE EXISTING L.H. NO. 10 TURNOUT (BY CN)
- REMOVE PORTIONS OF TRACK AND INSTALL TEMPORARY L.H. NO. 15 TURNOUT (BY CN)
STA. 803+81.09
- INSTALL TEMPORARY NO. 15 TURNOUT (BY CN)
CN THOROUGHFARE TRACK
STA. 803+81.09, L.H.
- INSTALL TEMPORARY NO. 10 TURNOUT (BY CN)
CN THOROUGHFARE TRACK
STA. 808+25.75, L.H.
- REMOVE EXISTING NO. 10 TURNOUT (BY CN)
CN THOROUGHFARE TRACK
STA. 806+35.91, L.H.

- EXIST. LEAD TRACK
STA. 810+39.75
- EXIST. CN THOROUGHFARE TRACK
STA. 809+40.75
- EXIST. CN THOROUGHFARE TRACK
STA. 807+55.75
- EXIST. CN THOROUGHFARE TRACK
STA. 805+42.09
- EXIST. CN THOROUGHFARE TRACK
STA. 803+81.09, L.H.
- EXIST. CN THOROUGHFARE TRACK
STA. 806+35.91, L.H.
- EXIST. CN GATEWAY LEAD TRACK
- EXIST. CN TRACK 4
- EXIST. CN TRACK 3
- EXIST. TEMP. CN TRACK 2
- TEMP. CN TRACK 1
- TEMP. METRA TRACK 2
- TEMP. METRA TRACK 1
- EXIST. CN TRACK 2
STA. 403+88.84
- EXIST. CN TRACK 1
STA. 303+81.57
- EXIST. METRA TRACK 2
STA. 208+98.51
- EXIST. METRA TRACK 1
STA. 107+29.03
- EXIST. CN TRACK 4
STA. 412+64.48
- EXIST. CN TRACK 3
STA. 412+53.84
- EXIST. CN TRACK 2
STA. 415+71.17
- EXIST. CN TRACK 1
STA. 310+38.57
- EXIST. METRA TRACK 2
STA. 313+59.76
- EXIST. METRA TRACK 1
STA. 310+38.57

- RAILROAD TRACK SHIFT (BY CN)
REALIGN EXIST. CN TRACK 2
STA. 412+64.48 TO 415+71.17
REALIGN EXIST. CN TRACK 1
STA. 310+43.23 TO 313+59.76
REALIGN EXIST. LEAD TRACK
STA. 809+40.75 TO 810+39.75
- RAILROAD TRACK SHIFT ASSIST (BY CONTRACTOR)
1 EACH FOR ABOVE CN TRACK SHIFTS
TOTAL = 3 EA.

- RAILROAD TRACK, REMOVE (BY CONTRACTOR)
EXIST. CN TRACK 2
STA. EXIST CN 2 403+88.84
TO EXIST CN 2 412+53.84 = 865 TRK. FT.
EXIST. CN TRACK 1
STA. EXIST CN 1 303+81.57
TO EXIST CN 1 310+38.57 = 657 TRK. FT.
TOTAL = 1522 TRK. FT.
- RAILROAD TRACK, REMOVE (BY CN)
EXIST. CN THOROUGHFARE TRACK
STA. 803+81.09 TO 805+42.09 = 161 TRK. FT.
STA. 808+25.75 TO 809+40.75 = 115 TRK. FT.
STA. 807+55.75 TO 809+40.75 = 185 TRK. FT.
TOTAL = 461 TRK. FT.
- RAILROAD TRACK (BY CONTRACTOR)
TEMP. CN TRACK 1
STA. 303+84.00 TO 310+43.23 = 659 TRK. FT.
TEMP. METRA TRACK 2
STA. 203+79.00 TO 208+98.51 = 520 TRK. FT.
TEMP. METRA TRACK 1
STA. 103+73.00 TO 107+29.03 = 356 TRK. FT.
TOTAL = 1535 TRK. FT.
- RAILROAD TRACK (BY CN)
EXIST. CN THOROUGHFARE TRACK
STA. 806+35.91 TO 807+44.93 = 109 TRK. FT.
TOTAL = 109 TRK. FT.

- BALLAST (BY CONTRACTOR)
TEMP. CN TRACK 1
STA. 303+83.96 TO 309+78.95 = 655 TON
TEMP. METRA TRACK 2
STA. 203+78.77 TO 208+98.51 = 655 TON
TEMP. METRA TRACK 1
STA. 103+72.22 TO 107+29.03 = 655 TON
TOTAL = 1965 TON
- SUBBALLAST (BY CONTRACTOR)
TEMP. CN TRACK 1
STA. 303+83.96 TO 305+81.40 = 365 TON
TOTAL = 365 TON

NOTES:
FOR STAGE 1 SUGGESTED TRACK CONSTRUCTION TASKS & SEQUENCING SEE SHEET 23.
FOR AC/SCADA RELOCATION SEE METRA UTILITIES SHEETS.
FOR SIGNAL CABLE RELOCATION SEE SIGNAL SHEETS.
FOR LEGEND, SEE SHEET 21.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

TRACK CONSTRUCTION
PLAN OF STAGE 1 WORK (SOUTH)

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	197
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60E10				

SUGGESTED STAGE 1 TRACK CONSTRUCTION SEQUENCE

1. BEGIN TRACK WORK (NEAR COMPLETION OF PRE-STAGE ACTIVITIES)
2. CUT AND THROW TEMPORARY CN TRACK #2 TO TEMPORARY DIVERSION AND PLACE IN SERVICE (STA. 392+78.77 TO STA. 395+84.84 AND STA. 407+35.50 TO STA. 415+71.17) (CN - APPROXIMATELY 2 DAYS). (TEMP. TRACK #2 FROM 395+84.84 TO STA. 407+35.50 PREVIOUSLY CONSTRUCTED BY OTHERS)
3. REMOVE PORTIONS OF EXISTING CN TRACK #2 (CONTRACTOR).
4. CONSTRUCT ROADBED FOR PORTIONS OF TEMPORARY CN TRACK #1, TEMPORARY METRA TRACK #2 & TEMPORARY METRA TRACK #1 (CONTRACTOR).
5. CONSTRUCT ROADBED FOR PORTIONS OF TEMPORARY CN GATEWAY LEAD TRACK AND TEMPORARY CN THOROUGHFARE TRACK (CONCURRENT WITH PREVIOUS ACTIVITIES) (CONTRACTOR)
6. CUT IN PROP. TEMPORARY NO. 15 TURNOUT FOR TEMP. CN THOROUGHFARE (STA. 803+81.09). CUT IN PROP. TEMPORARY NO. 10 TURNOUT IN EXIST. CN THOROUGHFARE (STA. 808+25.75). (CONCURRENT WITH PREVIOUS ACTIVITIES) (CN)
7. CONSTRUCT PORTION OF NEW TRACK FOR TEMP CN TRACK #1.(STA. 297+31.57 TO STA. 310+43.23) (CONTRACTOR)
8. CONSTRUCT PORTION OF NEW TRACK FOR TEMP METRA TRACK #2 (STA. 198+61.61 TO STA. 208+98.51) (CONTRACTOR).
9. CONSTRUCT PORTION OF NEW TRACK FOR TEMP METRA TRACK #1 (STA. 100+11.56 TO STA. 107+29.03) (CONTRACTOR).
10. CUT AND THROW CN TRACK #1 TO TEMPORARY DIVERSION AND PLACE IN SERVICE (STA. 294+16.01 TO STA. 297+31.57 AND STA. 310+43.23 TO STA. 313+59.76) (CN - APPROXIMATELY 2 DAYS)
11. REMOVE PORTION OF EXISTING CN TRACK #1 (CONTRACTOR)
12. CONSTRUCT TEMP. CATENARY SUPPORT STRUCTURES #4, #8 & #9 (CONTRACTOR).
13. INSTALL UNDERGROUND CONDUITS FOR AC SYSTEM BETWEEN GROUND MOUNTED HANDHOLES AT STA. 196+50 AND STA 211+25 ALONG METRA TEMPORARY DIVERSION TRACKS #1 & #2 - REQUIRES TWO PUSHES OF EACH CONDUIT UNDER EXISTING IN-SERVICE METRA TRACK #2. INSTALL CABLES IN CONDUITS FOR 4160V AND & 2400V AC POWER LINES. (CONTRACTOR)
14. INSTALL UNDERGROUND CONDUIT FOR FIBER OPTIC CABLE BETWEEN JUNCTION BOXES AT CATENARY STRUCTURES 20.51 & 20.97. ROUTE CONDUIT BETWEEN METRA TEMP DIVERSION TRACKS #1 AND #2 - REQUIRES TWO PUSHES OF CONDUIT UNDER EXISTING IN-SERVICE TRACK #2. INSTALL FIBER OPTIC CABLE FOR METRA SCADA/COMMUNICATION IN CONDUIT. (CONCURRENT WITH PREVIOUS ACTIVITY) (CONTRACTOR)
15. INSTALL RE-ROUTED SIGNAL CABLES ALONG EXISTING METRA TRACK #1, UNDER EXISTING METRA TRACK #2 & ALONG SHOOFLY (FROM NEW SIGNAL CASE NORTH OF 159TH ST BRIDGE TO EXISTING SIGNAL CASE SOUTH OF BRIDGE) & CUT OVER FROM EXISTING SYSTEM (METRA - APPROXIMATELY 4 DAYS).
16. CUT OVER AC 2400V & 4160V POWER TO UNDERGROUND RE-ROUTED ONE ALONG TEMPORARY DIVERSION TRACKS (METRA - APPROXIMATELY 8 DAYS)
17. CUT OVER FIBER OPTIC SCADA/COMMUNICATION SYSTEM TO UNDERGROUND RE-ROUTED ONE ALONG TEMPORARY DIVERSION TRACKS (CONCURRENT WITH PREVIOUS ACTIVITY) (METRA - CUT OVER MUST BE DONE ON A SATURDAY).
18. REMOVE EXISTING AERIAL AC & FIBER OPTIC CABLE (METRA - APPROXIMATELY 2 DAYS).

NOTE:
DURATIONS NOTED ABOVE FOR WORK PERFORMED BY METRA AND THE CN ARE APPROXIMATE ONLY AND SUBJECT TO WEATHER CONDITIONS, AVAILABILITY OF RAILROAD STAFF, AND NUMEROUS OTHER FACTORS. THE CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK AND PLANNED SCHEDULE WITH THE RAILROADS CONCERNING WORK TO BE PERFORMED BY THE RAILROADS. NO ADDITIONAL TIME WILL BE ALLOWED IN THE CONTRACTOR'S SCHEDULE FOR MEETING OF THE INTERIM COMPLETION DATES SPECIFIED FOR THIS PROJECT DUE TO VARIATIONS IN THESE APPROXIMATE DURATIONS.

SUMMARY OF QUANTITIES FOR SUGGESTED STAGE 1 TRACK CONSTRUCTION TASKS

ITEM	UNIT	CONTRACTOR PAY ITEM QUANTITY	QUANTITY BY RR FORCE ACCOUNT WORK BY RAILROADS (FOR REFERENCE ONLY)	
			METRA	CN
RAILROAD TRACK	TRK. FT.	3065		109
BALLAST	TON	6541		
SUBBALLAST	TON	2346		
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU. YD.	3558		
RAILROAD TRACK SHIFT ASSIST	EACH	5		
RAILROAD TRACK, REMOVE	TRK. FT.	2976		461
INSTALL TEMPORARY NO. 15 TURNOUT	EACH			1
INSTALL TEMPORARY NO. 10 TURNOUT	EACH			1
REMOVE EXISTING NO. 10 TURNOUT	EACH			1
RAILROAD TRACK SHIFT	EACH			5

NOTES:
FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION OF CATENARY SUPPORT AND CATENARY DEAD END STRUCTURES SEE CATENARY STRUCTURES SHEETS.

FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF CONDUITS AND CABLES FOR RE-ROUTING OF METRA AC POWER AND FIBER OPTIC SCADA/COMMUNICATION SYSTEM, SEE METRA UTILITIES SHEETS.

FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF METRA SIGNAL SYSTEM, SEE METRA SIGNALS SHEETS.

REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
METRA & CN OVER 159TH STREET

TRACK CONSTRUCTION
STAGE 1 TASKS AND SEQUENCING

SHT. 23 OF 88
DATE 2/21/2008
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	198
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 60E10				

RAILROAD TRACK (BY CONTRACTOR)

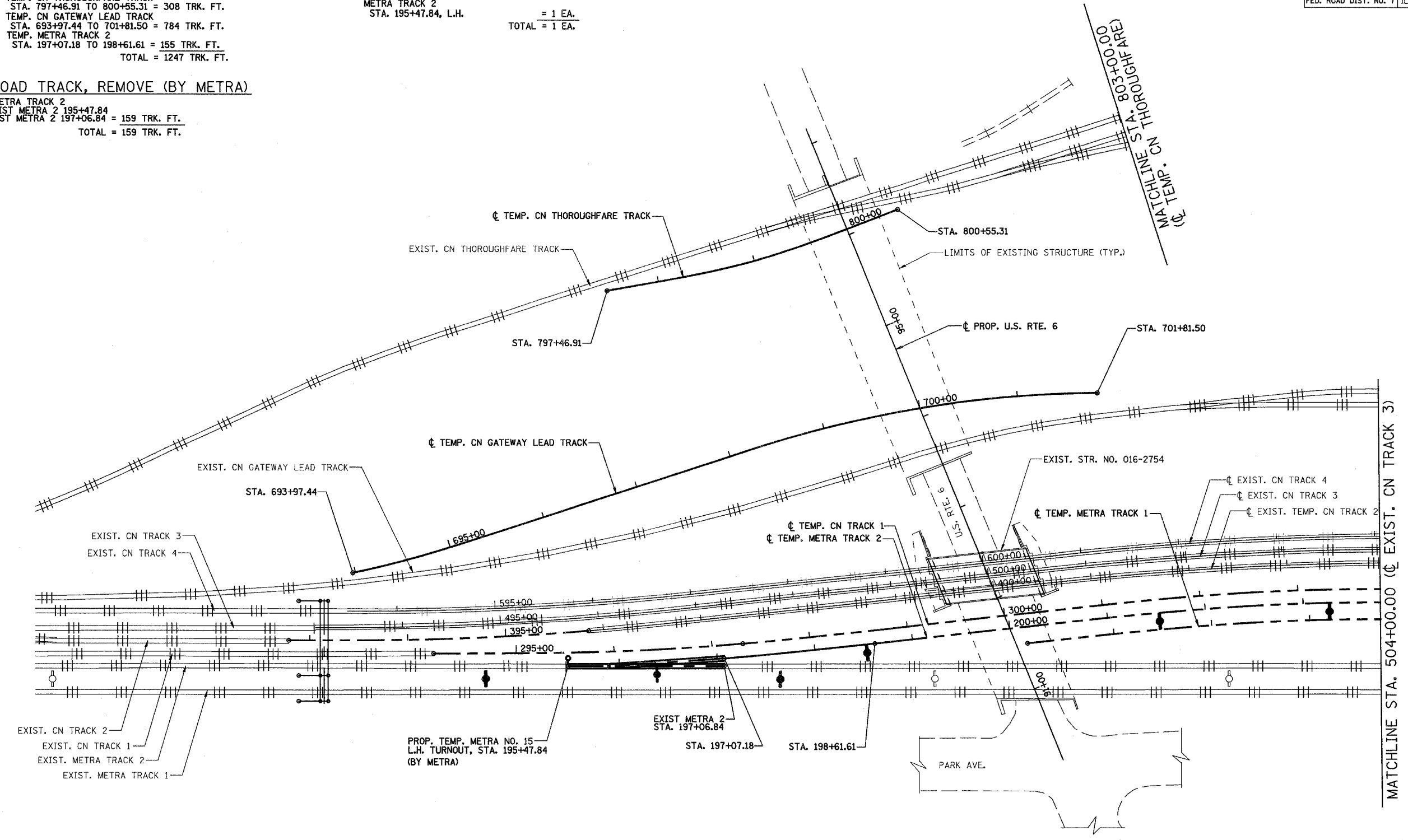
TEMP. CN THOROUGHFARE TRACK
 STA. 797+46.91 TO 800+55.31 = 308 TRK. FT.
 TEMP. CN GATEWAY LEAD TRACK
 STA. 693+97.44 TO 701+81.50 = 784 TRK. FT.
 TEMP. METRA TRACK 2
 STA. 197+07.18 TO 198+61.61 = 155 TRK. FT.
 TOTAL = 1247 TRK. FT.

TEMPORARY NO. 15 TURNOUT (BY METRA)

METRA TRACK 2
 STA. 195+47.84, L.H. = 1 EA.
 TOTAL = 1 EA.

RAILROAD TRACK, REMOVE (BY METRA)

EXIST. METRA TRACK 2
 STA. EXIST METRA 2 195+47.84
 TO EXIST METRA 2 197+06.84 = 159 TRK. FT.
 TOTAL = 159 TRK. FT.



STAGE 2

NOTES:
 FOR STAGE 2 SUGGESTED TRACK CONSTRUCTION TASKS & SEQUENCING SEE SHEET 26.
 FOR AC/SCADA AND SIGNAL RELOCATION SEE METRA UTILITIES SHEETS.
 FOR SIGNAL CABLE RELOCATION SEE SIGNAL SHEETS.
 FOR LEGEND, SEE SHEET 21.

STAGE 2 WORK SUMMARY

BUILD PORTIONS OF TEMP. CN THOROUGHFARE TRACK AND CN GATEWAY LEAD TRACK
 INSTALL METRA 2 TURNOUTS AND CONSTRUCT TEMP. TRACK 2 CATENARY

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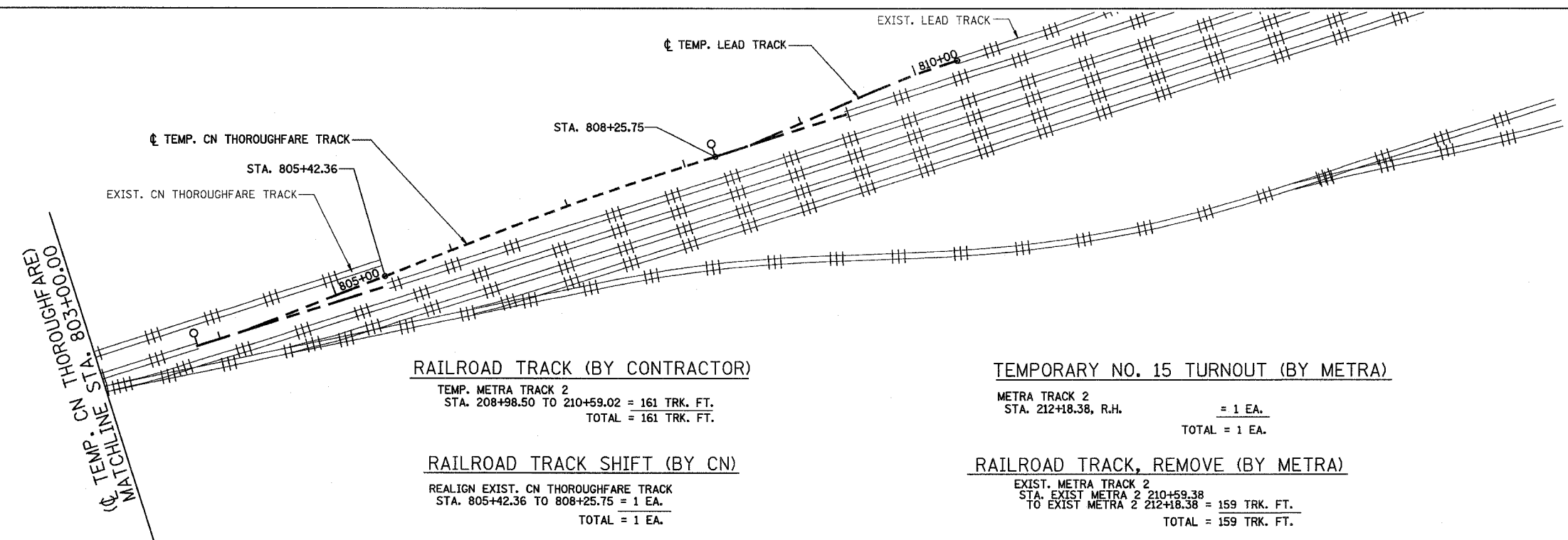
ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET
**TRACK CONSTRUCTION
 PLAN OF STAGE 2 WORK (NORTH)**
 SHT. 24 OF 88
 DATE 2/21/2008
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	199
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60E10				

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RAILROAD TRACK (BY CONTRACTOR)

TEMP. METRA TRACK 2
 STA. 208+98.50 TO 210+59.02 = 161 TRK. FT.
 TOTAL = 161 TRK. FT.

TEMPORARY NO. 15 TURNOUT (BY METRA)

METRA TRACK 2
 STA. 212+18.38, R.H.
 = 1 EA.
 TOTAL = 1 EA.

RAILROAD TRACK SHIFT (BY CN)

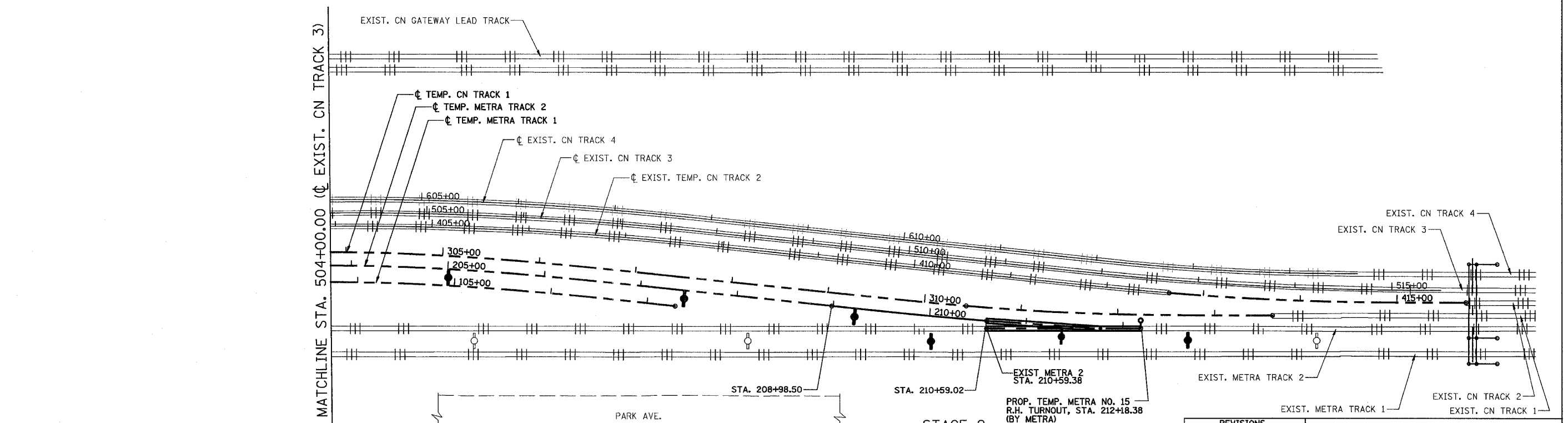
REALIGN EXIST. CN THOROUGHFARE TRACK
 STA. 805+42.36 TO 808+25.75 = 1 EA.
 TOTAL = 1 EA.

RAILROAD TRACK, REMOVE (BY METRA)

EXIST. METRA TRACK 2
 STA. EXIST METRA 2 210+59.38
 TO EXIST METRA 2 212+18.38 = 159 TRK. FT.
 TOTAL = 159 TRK. FT.

RAILROAD TRACK SHIFT ASSIST (BY CONTRACTOR)

1 EACH FOR ABOVE CN TRACK SHIFTS
 TOTAL = 1 EA.



NOTES:

STAGE 2

FOR STAGE 2 SUGGESTED TRACK CONSTRUCTION TASKS & SEQUENCING SEE SHEET 26.

FOR AC/SCADA AND SIGNAL RELOCATION SEE METRA UTILITIES SHEETS.

FOR SIGNAL CABLE RELOCATION SEE SIGNAL SHEETS.

FOR LEGEND, SEE SHEET 21.

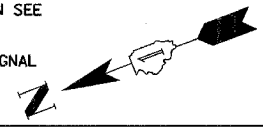
REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 PLAN OF STAGE 2 WORK (SOUTH)**

SHT. 25 OF 88
 DATE 2/21/2008

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.P. 351	2008-001VB	COOK	579	200
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60E10

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SUGGESTED STAGE 2 TRACK CONSTRUCTION SEQUENCE

1. CONSTRUCT PORTION OF NEW TRACK FOR TEMP CN GATEWAY LEAD TRACK (STA. 693+40.65 TO STA. 701+81.50). (CONTRACTOR).
2. CONSTRUCT PORTION OF NEW TRACK FOR TEMP CN THOROUGHFARE TRACK (STA. 797+46.91 TO STA. 800+55.31). (CONTRACTOR).
3. CUT AND THROW PART OF EXISTING THOROUGHFARE TRACK TO TEMPORARY ALIGNMENT STA. (805+42.36 TO STA. 808+25.75) (CN - APPROXIMATELY 2 DAYS)
4. CONSTRUCT PORTION OF NEW TRACK FOR TEMP METRA TRACK #2 (STA. 197+07.18 TO STA. 198+61.61 AND STA. 208+98.50 TO STA. 210+59.02) (CONTRACTOR).
5. PROVIDE ON-SITE 1 RIGHT-HAND (S) & 1 LEFT-HAND (N) #15 115* TURNOUT BETWEEN EXISTING METRA TRACK #2 & TEMP. METRA TRACK #2 BOTH AS PANELIZED UNITS. (METRA - APPROXIMATELY 1 DAY)
6. INSTALL TEMPORARY SWITCHES BETWEEN EXISTING METRA TRACK #2 AND TEMP METRA TRACK #2 TO PROVIDE ACCESS FOR METRA EQUIPMENT TO CONSTRUCT TEMPORARY CATENARY SERVICE - EACH OF TWO PANELS INSTALLED ON TWO DIFFERENT/CONSECUTIVE SUNDAYS ONLY CONSISTING OF TAKING OUT 159' PANEL, INSTALLING TURNOUT PANEL, CUT, THROW, SURFACE AND LINE 317' (N) AND 316' (S). USE WORK TRAINS TO BALLAST THESE TRACKS (METRA ON TWO CONSECUTIVE SUNDAYS) (METRA)
7. INSTALL ELECTRIC LOCK ON METRA TRACK #2 WITH MAINLINE NORMAL & INSULATED JOINTS ON RUN-AROUND (CONCURRENT WITH PREVIOUS STEP) (METRA)
8. CONSTRUCT TEMPORARY CATENARY SERVICE (TWO WEEKS STRAIGHT) FOR METRA TRACK #2 AND PLACE IN SERVICE (CUT OVER DC ON ONE SUNDAY AT BOTH ENDS) (APPROXIMATELY 11 WEEKDAY WORKDAYS, APPROXIMATELY 15 TOTAL DAYS INCLUDING WEEKENDS) (METRA)
9. MOVE ELECTRIC LOCK TO METRA TRACK #2 WITH RUN-AROUND NORMAL & MOVE INSULATED JOINTS TO MAINLINE (CONCURRENT WITH PREVIOUS STEP) (METRA)
10. REMOVE EXISTING TRACK #2 CATENARY WIRES (BY METRA ON THE MONDAY FOLLOWING CATENARY SERVICE CONSTRUCTION FOR TRACK #2)
11. WAIT TIME AFTER COMPLETION OF PREV. STEP UNTIL NEXT SUNDAY (WHEN NEXT STEP CAN BEGIN) (TUES-SAT)

SUMMARY OF QUANTITIES FOR SUGGESTED STAGE 2 TRACK CONSTRUCTION TASKS

ITEM	UNIT	CONTRACTOR PAY ITEM QUANTITY	QUANTITY BY RR FORCE ACCOUNT WORK BY RAILROADS (FOR REFERENCE ONLY)	
			METRA	CN
RAILROAD TRACK	TRK. FT.	1408		
RAILROAD TRACK SHIFT ASSIST	EACH	1		
RAILROAD TRACK, REMOVE	TRK. FT.		318	
INSTALL TEMPORARY NO. 15 TURNOUT	EACH		2	
RAILROAD TRACK SHIFT	EACH			1

NOTES:
 FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION OF CATENARY SUPPORT AND CATENARY DEAD END STRUCTURES SEE CATENARY STRUCTURES SHEETS.
 FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF CONDUITS AND CABLES FOR RE-ROUTING OF METRA AC POWER AND FIBER OPTIC SCADA/COMMUNICATION SYSTEM, SEE METRA UTILITIES SHEETS.
 FOR DETAILS AND PAY ITEMS ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF METRA SIGNAL SYSTEM, SEE METRA SIGNALS SHEETS.

REVISIONS	
NAME	DATE
REZ	10/19/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 US RTE 6 FROM I-294 TO IL RTE 1
 METRA & CN OVER 159TH STREET

**TRACK CONSTRUCTION
 STAGE 2 TASKS AND SEQUENCING**

SHT. 26 OF 88
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