

FOUND FENO ROD WITH CAP AS PER MON. REC. 2003KI25749

FOUND CONCRETE MONUMENT AS CALLED FOR IN ISLAND PARK FARMS SUBDIVISION

NO 24'53" W 2160.21' WEST LINE OF THE S.W. 1/4 OF 1-40-8

P.O.C. IST0049PE
FND STONE AT CORNER
DOC# 1356362

- NOTES:
- ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.
 - ROAD RIGHT OF WAY AS PER DOCUMENTS 1228871, 339002, 338994, AND 91K56419.
 - BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYTEM, EAST ZONE (WGS 84).

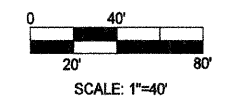
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IST0049PE	CHICAGO, CENTRAL & PACIFIC RAILROAD COMPANY	N/A	0.000	0.430	N/A	0.505	ROADWAY	09-01-504-001	

UNSUBDIVIDED LAND

UNSUBDIVIDED LAND

LEGEND

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



Bearings are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 1983 at the Found National Geodetic Survey Monuments, Station Lakeport and Station Shaw.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- 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.

COUNTY OF COOK:
STATE OF ILLINOIS:

THIS IS TO CERTIFY THAT I, RONALD W. SODERQUIST, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, NUMBER 2722, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 1, TOWNSHIP 40 N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.

DECEMBER 6, 2005
Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008



benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-865-0450

REVISION	
DATE	DESCRIPTION
12/20/05	KANE COM.
7/10/07	IDOT COM.

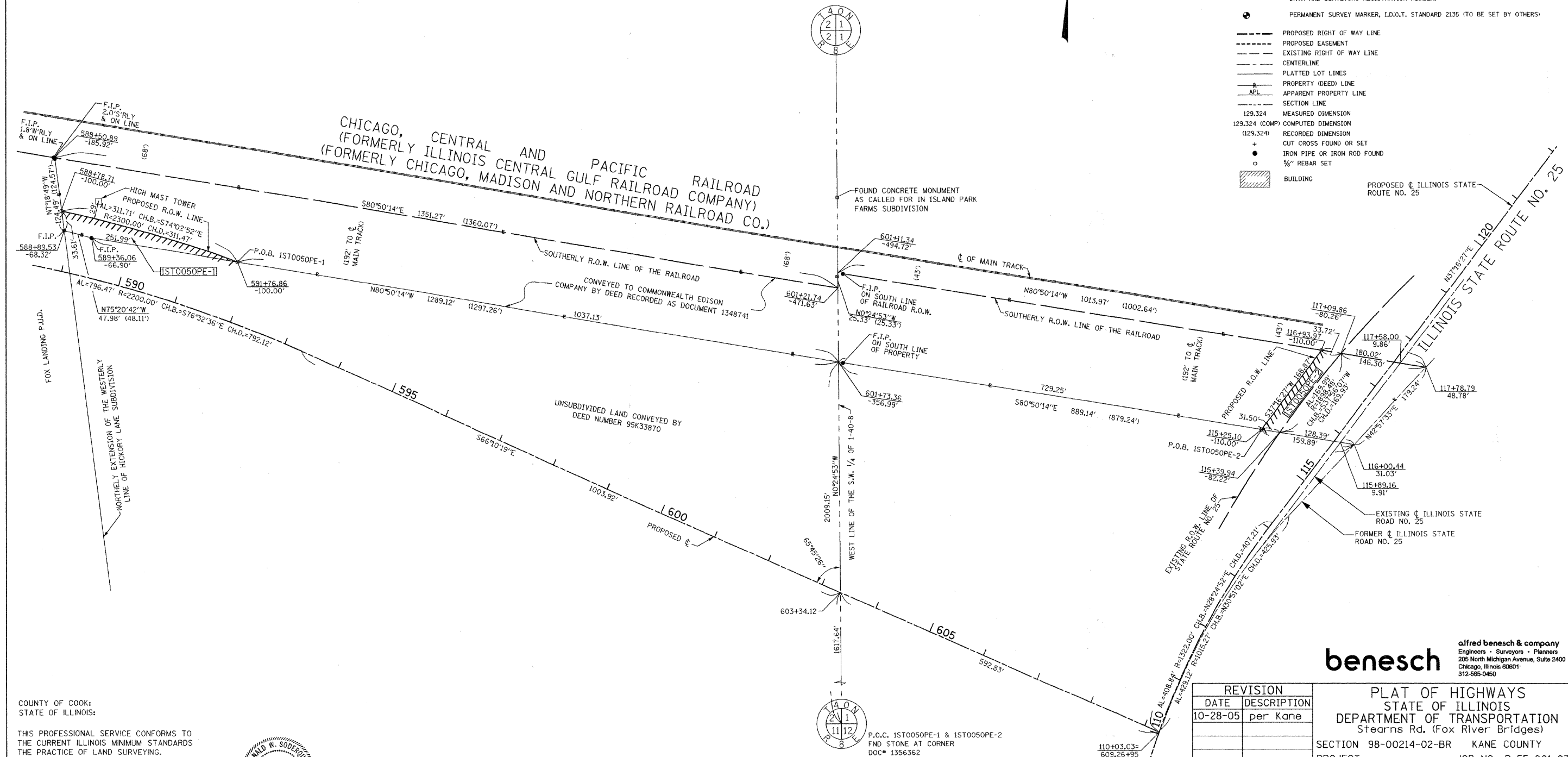
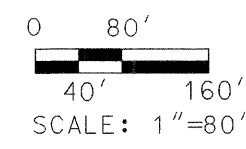
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)

SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-91-083-01
STATION 116+93.83 TO STATION 119+10.90
SCALE: 1"=40' SHEET 1 OF 1

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

PART OF THE SW 1/4 OF SECTION 1 & THE SE 1/4 OF SECTION 2, TOWNSHIP 40 N, RANGE 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS

- LEGEND**
- RESET PIPE OR ROD TO ORIGINAL POSITION.
 - T1(B1) THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
 - T2(B2) SET 3/8 INCH IRON ROD TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T3(B3)
 - T1 DENOTES TIE POINT NO. 1. SET IRON ROD FLUSH WITH GROUND SURFACE.
 - (B1) DENOTES TIE POINT NO. 1. SET IRON ROD 20" BELOW GROUND SURFACE.
 - DIVISION OF HIGHWAYS RIGHT OF WAY SURVEY MARKER PROPOSED TO BE SET.
 - 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.
 - ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - PROPOSED RIGHT OF WAY LINE
 - - - PROPOSED EASEMENT
 - - - EXISTING RIGHT OF WAY LINE
 - - - CENTERLINE
 - - - PLATTED LOT LINES
 - - - PROPERTY (DEED) LINE
 - - - APPARENT PROPERTY LINE
 - - - SECTION LINE
 - 129.324 MEASURED DIMENSION
 - 129.324 (COMP) COMPUTED DIMENSION
 - (129.324) RECORDED DIMENSION
 - + CUT CROSS FOUND OR SET
 - IRON PIPE OR IRON ROD FOUND
 - 3/8" REBAR SET
 - ▨ BUILDING



COUNTY OF COOK;
STATE OF ILLINOIS;

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS THE PRACTICE OF LAND SURVEYING.

SEPTEMBER 12, 2005 RONALD W. SODERQUIST

Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



NOTE: ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1ST0050PE-1	COMMONWEALTH EDISON COMPANY	N/A	0.000+/-	0.000+/-	N/A	1ST0050PE-1=0.149+/-	PERMANENT ROADWAY	09-01-300-023, 09-02-426-006
1ST0050PE-2				0.475+/-		1ST0050PE-2=0.581+/-		
						TOTAL=0.730+/-		

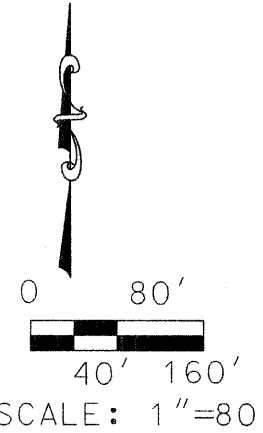
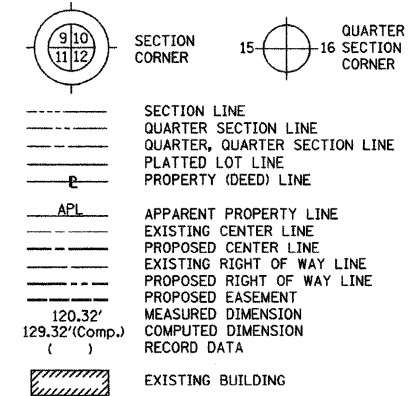
REVISION	
DATE	DESCRIPTION
10-28-05	per Kane

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Chicago, Illinois 60601
312-685-0460

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)
SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-55-001-97
STATION TO STATION
SCALE: 1" = 80' SHEET 1 OF 1

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

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 1983 at the Found National Geodetic Survey Monuments, Station Lakeport and Station Shaw.

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

COUNTY OF COOK;
STATE OF ILLINOIS;
THIS IS TO CERTIFY THAT I, RONALD W. SODERQUIST, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, NUMBER 2722, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 1, TOWNSHIP 40 N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.
SEPTEMBER 12, 2005
RONALD W. SODERQUIST
Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008

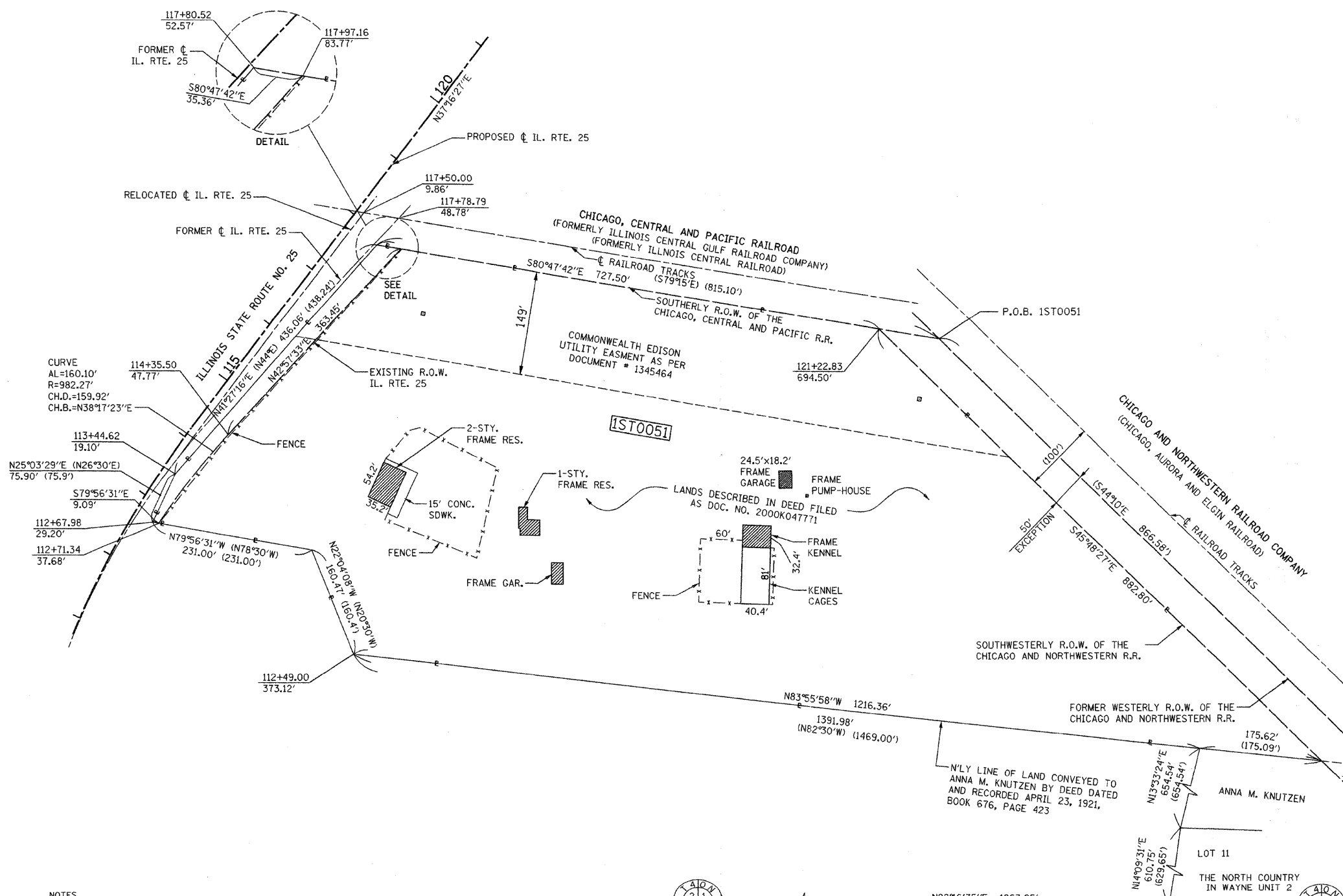


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Chicago, Illinois 60601
312-595-0480

REVISION	
DATE	DESCRIPTION
10-28-05	per Kane
2-23-06	IDOT CHG.
6-13-07	IDOT CHG.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)
SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-91-083-01
STATION 112+49.00 TO STATION 121+22.83
SCALE: 1"= 80' SHEET 1 OF 1
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1ST0051	WILLIAM ROLOFF & KAREN ROLOFF	15.321	15.321	0.271	0.000	0.000	N/A	09-01-300-010	



- NOTES
- ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.
 - SUBJECT TO EASEMENTS, IF ANY, AS PER THE FOLLOWING DOCUMENT NUMBERS: 1345464, 1147763, & 2000K098035.
 - ROAD RIGHT OF WAY AS PER DOCUMENT: 339001 & 91K56419.
 - BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (WGS 84).



FOUND CROSS CUT IN STONE AS PER MONUMENT RECORD NO. 1356363

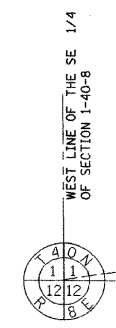
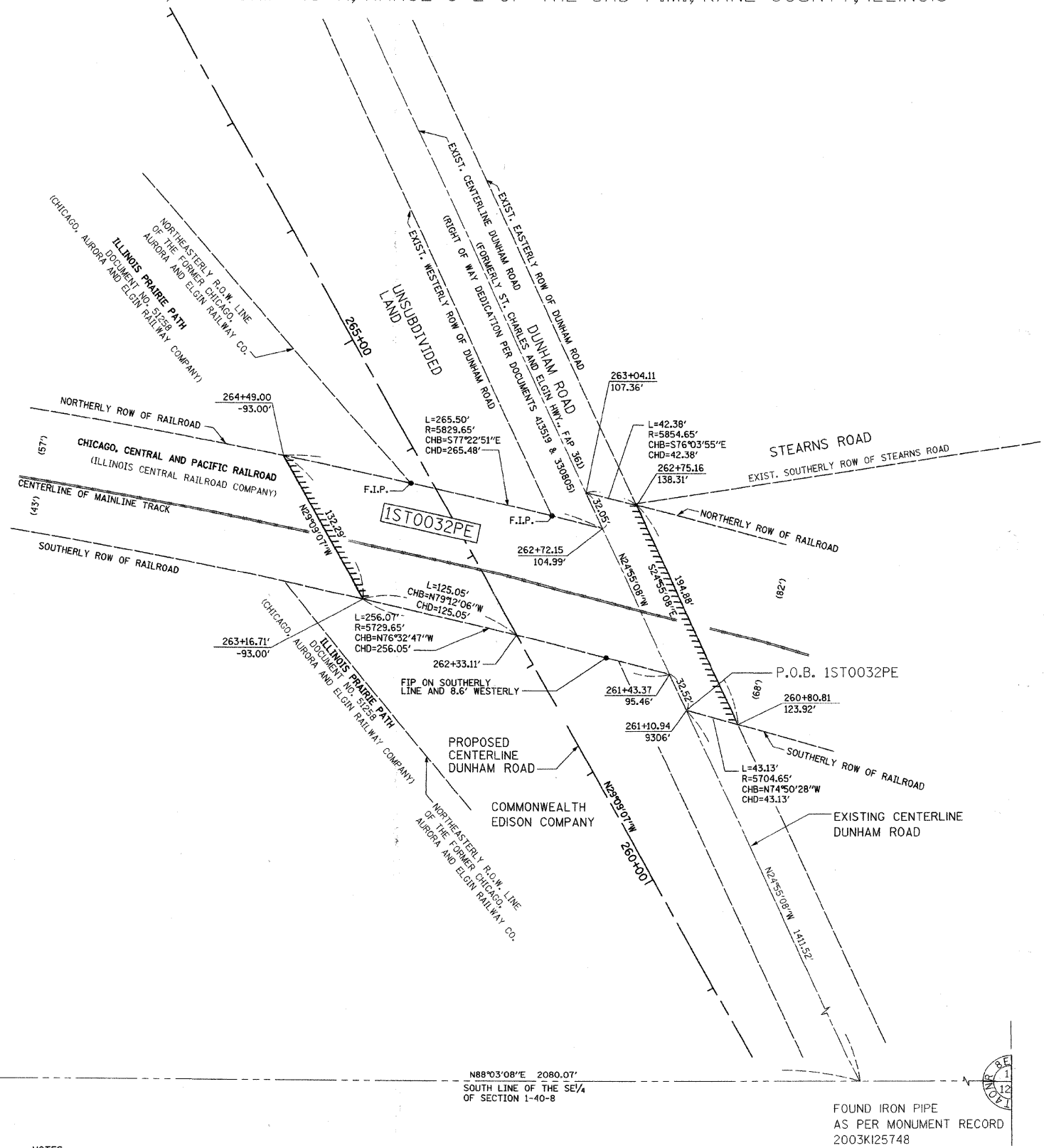
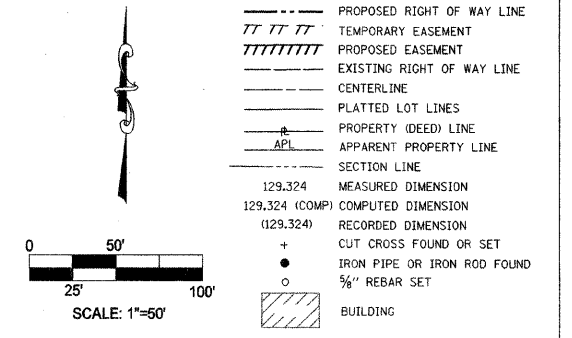
FOUND FENO ROD W/CAP AS PER MONUMENT RECORD NO. 2003K125752

ILS 2007
 03/30/07 11:07:11 AM P:\P\K\PARCEL\0001.dgn

PART OF THE SE 1/4 OF SECTION 1, TOWNSHIP 40 N, RANGE 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS

206

- LEGEND**
- RESET PIPE OR ROD TO ORIGINAL POSITION.
 - T1(B1) THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
T2(B2) SET 5/8" INCH IRON ROD TO TIE FOUND IRON STAKE IDENTIFIED BY
T3(B3) COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T1 DENOTES TIE POINT NO. 1, SET IRON ROD FLUSH WITH GROUND SURFACE.
 - (B1) DENOTES TIE POINT NO. 1, SET IRON ROD 20" BELOW GROUND SURFACE.
 - DIVISION OF HIGHWAYS RIGHT OF WAY SURVEY MARKER PROPOSED TO BE SET.
 - 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.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)



P.O.C. 1ST0032PE
FOUND FENO ROD W/CAP
AS PER MONUMENT RECORD

- NOTES**
- ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONINGS.
 - SUBJECT TO EASEMENTS, IF ANY, AS PER THE FOLLOWING DOCUMENT NUMBERS: 1616152, 94K010841 AND 1967945.
 - BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (WGS 84).

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1ST0032PE	CHICAGO, CENTRAL & PACIFIC RAILROAD COMPANY	N/A	0.000+/-	0.000+/-	N/A	0.746+/-	BRIDGE	09-01-504-002

COUNTY OF COOK:
STATE OF ILLINOIS:

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS THE PRACTICE OF LAND SURVEYING.



DECEMBER 6, 2005 RONALD W. SODERQUIST
Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-665-0450

REVISION	
DATE	DESCRIPTION
12/20/05	KANE COM.

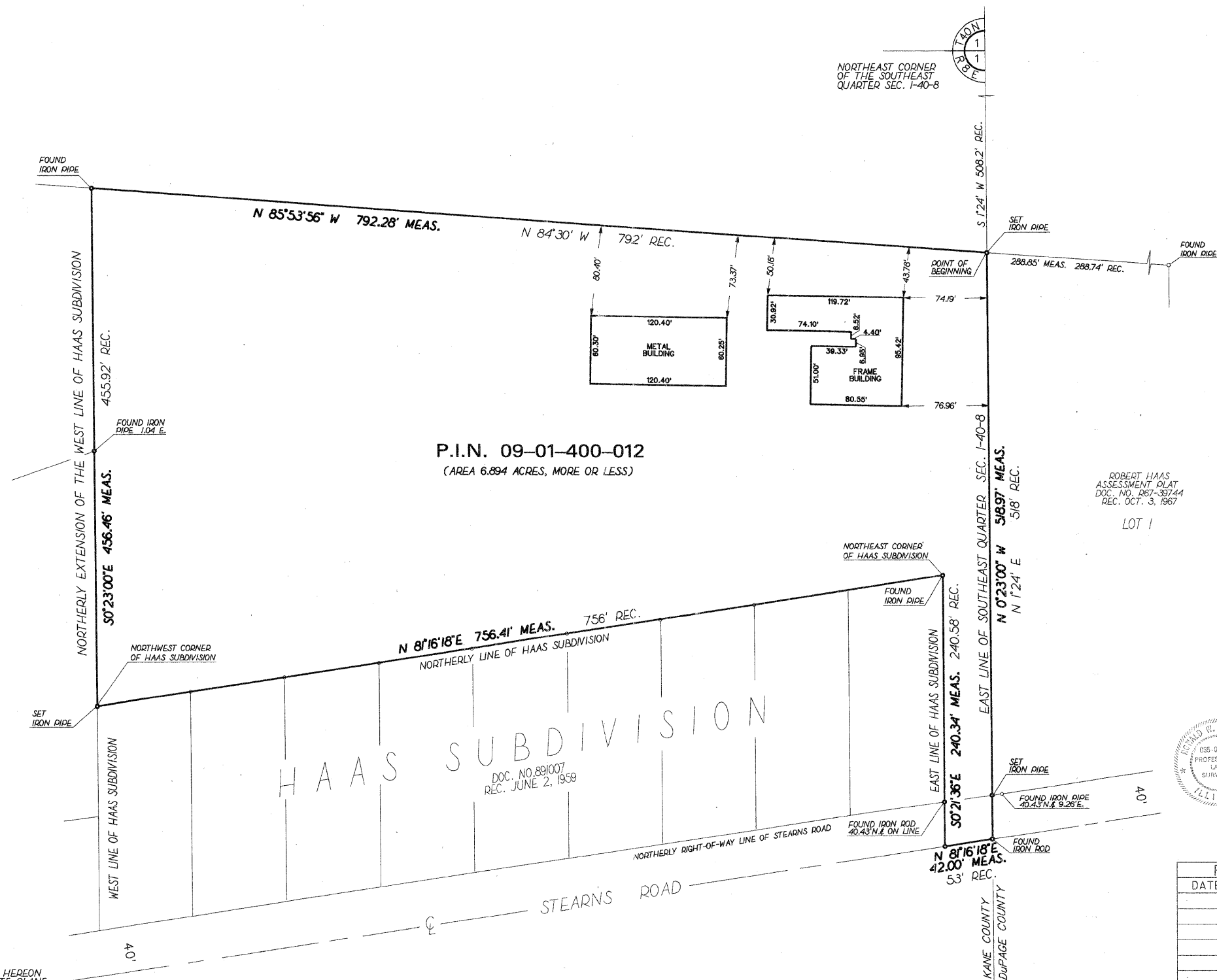
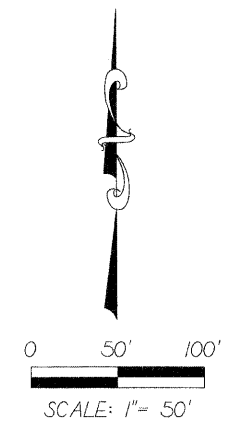
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)

SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-55-001-97
STATION TO STATION
SCALE: 1"=50' SHEET OF

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

PLAT OF SURVEY

THAT PART OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID SOUTHEAST QUARTER; THENCE SOUTH 1 DEGREE 24 MINUTES WEST ALONG THE EAST LINE OF SAID QUARTER SECTION 508.2 FEET FOR THE POINT OF BEGINNING; THENCE NORTH 84 DEGREES 30 MINUTES WEST 792 FEET TO THE EXTENSION NORTH OF THE WEST LINE OF HAAS SUBDIVISION; THENCE SOUTH ALONG SAID EXTENDED LINE 455.92 FEET TO THE NORTHWEST CORNER OF SAID HAAS SUBDIVISION; THENCE EASTERLY ALONG THE NORTHERLY LINE OF SAID HAAS SUBDIVISION, 756 FEET TO THE NORTHEAST CORNER THEREOF; THENCE SOUTH ALONG THE EAST LINE OF SAID HAAS SUBDIVISION, 240.58 FEET TO THE CENTER LINE OF STEARNS ROAD; THENCE EASTERLY ALONG SAID CENTER LINE 53 FEET TO THE EAST LINE OF SAID QUARTER SECTION; THENCE NORTH 1 DEGREE 24 MINUTES EAST ALONG SAID EAST LINE 518 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.



P.I.N. 09-01-400-012
(AREA 6.894 ACRES, MORE OR LESS)

ROBERT HAAS
ASSESSMENT PLAT
DOC. NO. 067-38744
REC. OCT. 3, 1967
LOT 1

COUNTY OF COOK,
STATE OF ILLINOIS:

THIS PROFESSIONAL SERVICE CONFORMS TO
THE CURRENT ILLINOIS MINIMUM STANDARDS
OF PRACTICE APPLICABLE TO BOUNDARY
SURVEYS.

NOVEMBER 10, 2000 RONALD W. SODERQUIST

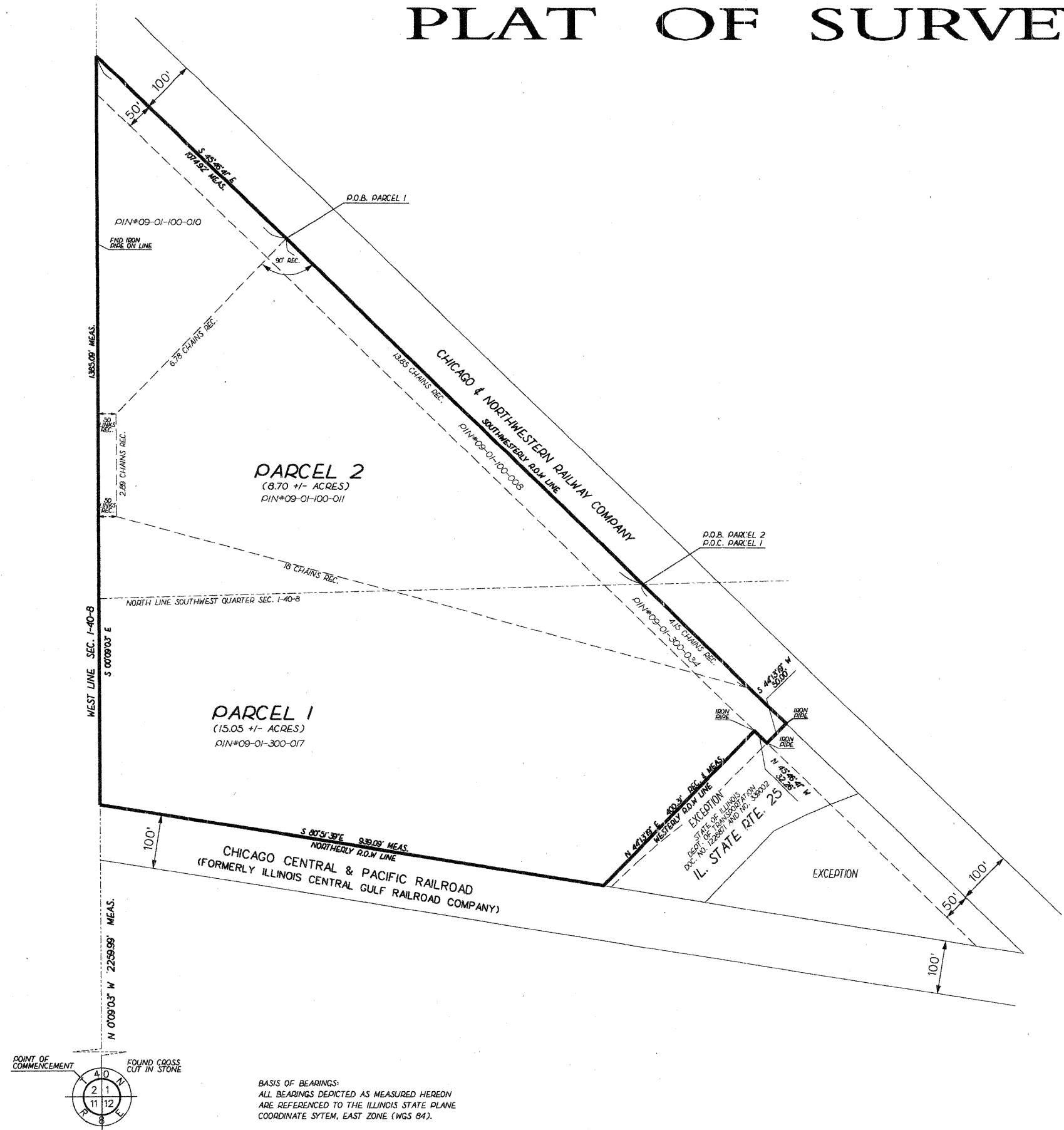
Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



BASIS OF BEARINGS:
ALL BEARINGS DEPICTED AS MEASURED HEREON
ARE REFERENCED TO THE ILLINOIS STATE PLANE
COORDINATE SYSTEM, EAST ZONE (WGS 84).

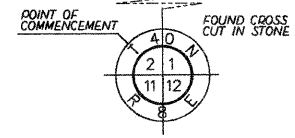
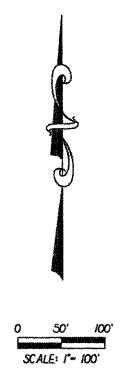
REVISION		KANE COUNTY PLAT OF SURVEY
DATE	DESCRIPTION	
		ROUTE
		SECTION
		COUNTY KANE
		JOB#
		SEC 1 PROJECT#
		STA T40N., R 8 E. OF 3RD P.M.
		DRAWN DL TO STA
		CHECKED RWS
		SCALE: 1" = 50' PARCEL NO.

PLAT OF SURVEY



PARCEL 1
 THAT PART OF THE WEST 1/2 OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTH LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 1 AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY LINE OF THE ORIGINAL 100 FOOT RIGHT OF WAY OF THE CHICAGO AND NORTHWESTERN RAILWAY COMPANY; THENCE NORTHWESTERLY ALONG SAID WESTERLY RIGHT OF WAY LINE 13.85 CHAINS FOR THE POINT OF BEGINNING; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO SAID RIGHT OF WAY LINE 6.78 CHAINS TO A POINT 50 LINKS EAST OF THE WEST LINE OF SAID SECTION 1; THENCE SOUTH PARALLEL WITH THE SAID WEST LINE OF SECTION 1, 2.89 CHAINS; THENCE SOUTHEASTERLY 18 CHAINS TO A POINT IN THE WESTERLY RIGHT OF WAY LINE OF SAID RAILWAY 4.15 CHAINS SOUTHEASTERLY FROM THE NORTH LINE OF THE SOUTHWEST 1/4 OF SAID SECTION (MEASURED ALONG THE WESTERLY LINE OF SAID RAILWAY RIGHT OF WAY); THENCE SOUTHEASTERLY 18 CHAINS TO A POINT IN THE WESTERLY RIGHT OF WAY LINE OF THE ILLINOIS CENTRAL RAILROAD COMPANY; THENCE WESTERLY ALONG THE NORTHERLY LINE OF SAID RAILWAY RIGHT OF WAY TO THE WEST LINE OF SAID SECTION 1; THENCE NORTH ALONG SAID WEST LINE TO THE SOUTHERLY LINE OF THE RIGHT OF WAY OF THE CHICAGO AND NORTHWESTERN RAILWAY COMPANY; AFORESAID; THENCE SOUTHEASTERLY ALONG SAID RAILWAY RIGHT OF WAY LINE TO THE POINT OF BEGINNING, (EXCEPTING THAT PART FALLING WITHIN THE HIGHWAY AND ALSO EXCEPT THAT PART CONVEYED TO THE PEOPLE OF THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION BY WARRANTY DEED DATED JANUARY 6, 1972 AND RECORDED JUNE 8, 1972 AS DOCUMENT 1228871) IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.
 ALSO EXCEPTING THEREFROM THAT PART THEREOF LYING SOUTHEASTERLY OF THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF ILLINOIS STATE ROUTE NO. 25. SAID PARCEL CONTAINING 15.05 ACRES, MORE OR LESS.

PARCEL 2
 THAT PART OF THE WEST 1/2 OF SAID SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTH LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 1 AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY LINE OF THE ORIGINAL 100 FOOT RIGHT OF WAY OF THE CHICAGO AND NORTHWESTERN RAILWAY COMPANY; THENCE NORTHERLY ALONG SAID WESTERLY RIGHT OF WAY LINE 13.85 CHAINS; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO SAID RIGHT OF WAY LINE 6.78 CHAINS TO A POINT 50 LINKS EAST OF THE WEST LINE OF SAID SECTION 1; THENCE SOUTH PARALLEL WITH SAID WEST LINE OF SECTION 1, 2.89 CHAINS; THENCE SOUTHEASTERLY 18 CHAINS TO A POINT IN THE WESTERLY RIGHT OF WAY LINE OF SAID RAILWAY 4.15 CHAINS SOUTHEASTERLY FROM THE NORTH LINE OF THE SW 1/4 OF SAID SECTION MEASURED ALONG THE WESTERLY LINE OF SAID RAILWAY RIGHT OF WAY; THENCE NORTHERLY ALONG WESTERLY RIGHT OF WAY LINE 4.15 CHAINS TO THE POINT OF BEGINNING, (EXCEPTING THAT PART FALLING WITHIN THE HIGHWAY AND ALSO EXCEPT THAT PART CONVEYED TO THE PEOPLE OF THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION BY WARRANTY DEED DATED JANUARY 6, 1972 AND RECORDED JUNE 8, 1972 AS DOCUMENT 1228871) IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS. SAID PARCEL CONTAINING 8.70 ACRES, MORE OR LESS.



BASIS OF BEARINGS:
 ALL BEARINGS DEPICTED AS MEASURED HEREON
 ARE REFERENCED TO THE ILLINOIS STATE PLANE
 COORDINATE SYSTEM, EAST ZONE (WGS 84).

COUNTY OF COOK;
 STATE OF ILLINOIS;
 THIS PROFESSIONAL SERVICE CONFORMS TO
 THE CURRENT ILLINOIS MINIMUM STANDARDS
 OF PRACTICE APPLICABLE TO BOUNDARY
 SURVEYS.
 OCTOBER 25, 2002 RONALD W. SODERQUIST
 Ronald W. Soderquist
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



REVISION		ROUTE SECTION COUNTY KANE	JOB# PROJECT#
DATE	DESCRIPTION		
11/03/00		T 40 , R 8	OF 3RD P.M.
10/25/02	AS PER COMMITMENT		
		TO STA	
		DRAWN	CHECKED
		SCALE: 1" = 100'	PARCEL NO.

PART OF THE W 1/2 OF SECTION 1, TOWNSHIP 40 N, RANGE 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS

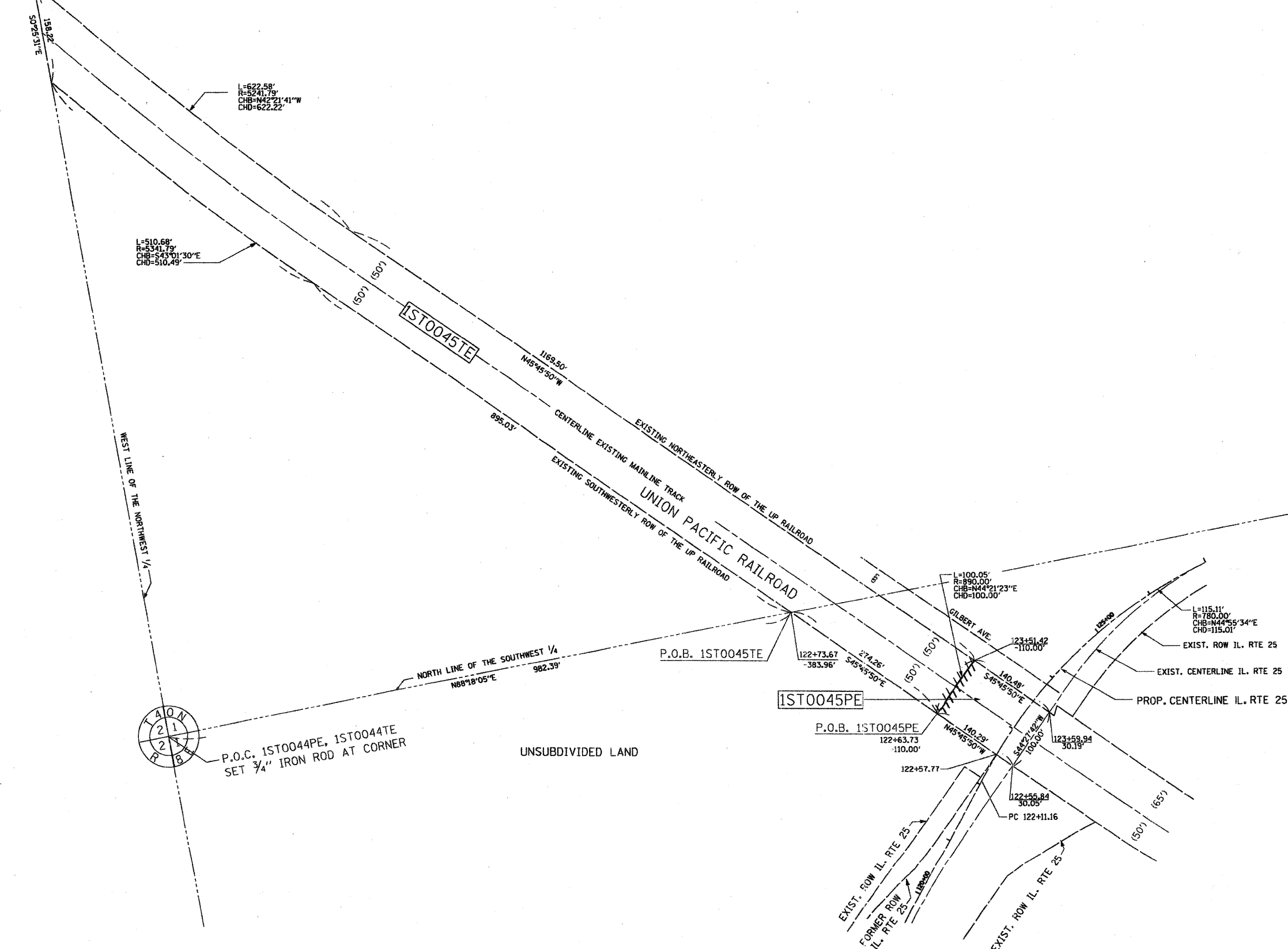
FOUND FENO ROD WITH CAP AS PER MON. REC. 2003K125749

LEGEND

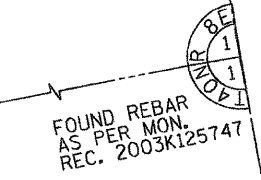
- RESET PIPE OR ROD TO ORIGINAL POSITION.
- T1(B1) THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2(B2) SET 3/8" INCH IRON ROD TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3(B3)
- T1 DENOTES TIE POINT NO. 1 SET IRON ROD FLUSH WITH GROUND SURFACE.
- (B1) DENOTES TIE POINT NO. 1 SET IRON ROD 20" BELOW GROUND SURFACE.
- DIVISION OF HIGHWAYS RIGHT OF WAY SURVEY MARKER PROPOSED TO BE SET.
- 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.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

- - - - - PROPOSED RIGHT OF WAY LINE
 / / / / / TEMPORARY EASEMENT
 / / / / / PROPOSED EASEMENT
 / / / / / EXISTING RIGHT OF WAY LINE
 - - - - - CENTERLINE
 - - - - - PLATTED LOT LINES
 - - - - - PROPERTY (DEED) LINE
 - - - - - APPARENT PROPERTY LINE
 - - - - - SECTION LINE
 129.324 MEASURED DIMENSION
 129.324 (COMP) COMPUTED DIMENSION
 (129.324) RECORDED DIMENSION
 + CUT CROSS FOUND OR SET
 ○ IRON PIPE OR IRON ROD FOUND
 ○ 3/8" REBAR SET
 ▨ BUILDING

SCALE: 1"=80'



P.O.C. 1ST0044PE, 1ST0044TE SET 3/4" IRON ROD AT CORNER



COUNTY OF COOK,
STATE OF ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF THE PRACTICE OF LAND SURVEYING.

DECEMBER 6, 2005 RONALD W. SODERQUIST
Ronald W. Soderquist
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



benesch
 Engineers • Surveyors • Planners
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-665-0400

NOTES:
 1. ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.
 2. ROAD RIGHT OF WAY AS PER DOCUMENTS 1228871, 339002, AND 338994.
 3. BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (WGS 84).

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1ST0045PE	UNION PACIFIC CORPORATION	N/A	0.000+/-	0.000+/-	N/A	0.324+/-	ROADWAY	09-01-502-008
1ST0045TE						3.980+/-	MAINT. OF RAIL TRAFFIC	09-01-502-007

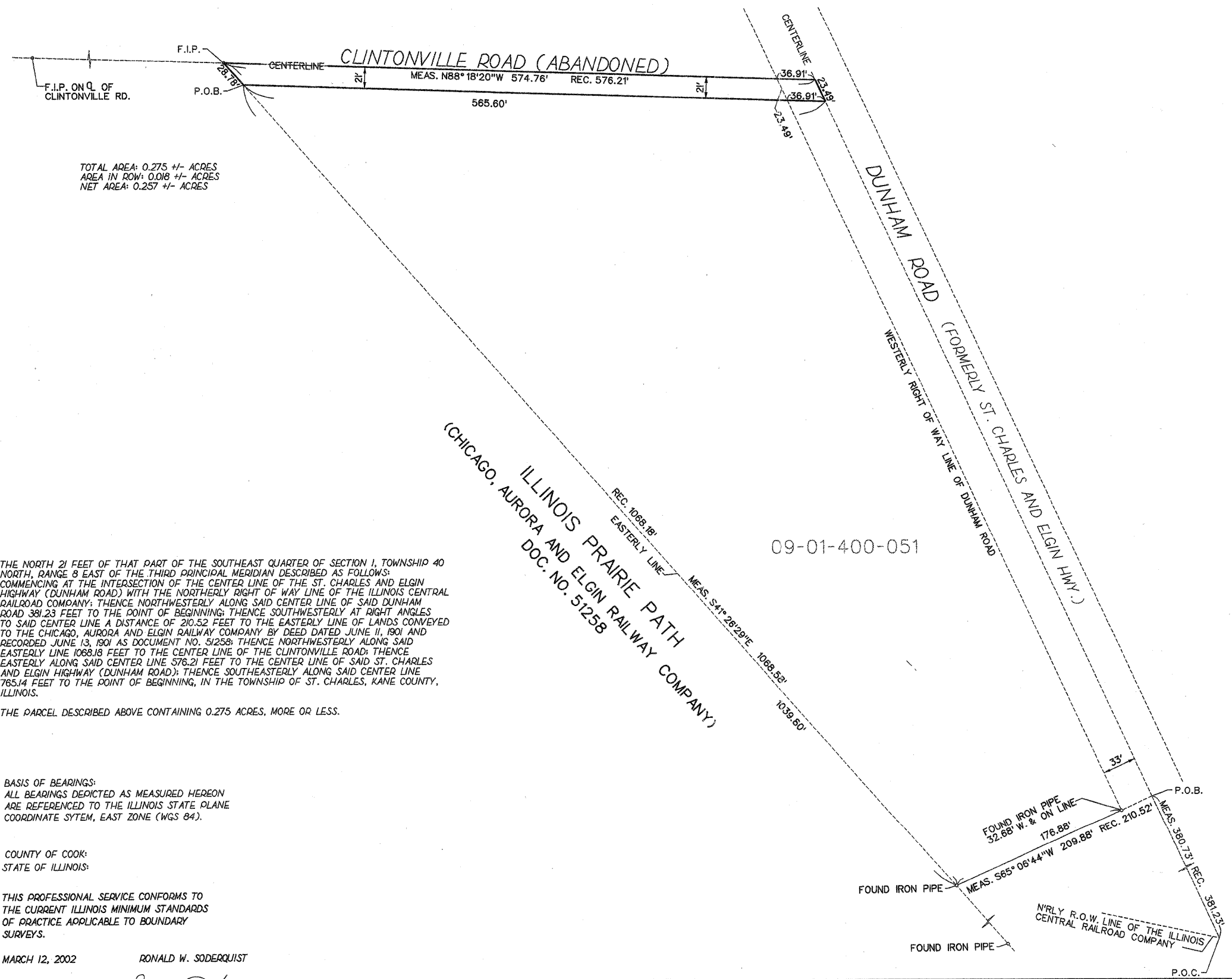
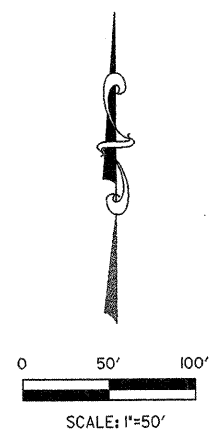
REVISION	
DATE	DESCRIPTION

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 Stearns Rd. (Fox River Bridges)

SECTION 98-00214-02-BR KANE COUNTY
 PROJECT JOB NO. R-91-083-01
 STATION TO STATION
 SCALE: 1"=80' SHEET OF

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

PLAT OF SURVEY



TOTAL AREA: 0.275 +/- ACRES
 AREA IN ROW: 0.018 +/- ACRES
 NET AREA: 0.257 +/- ACRES

THE NORTH 21 FEET OF THAT PART OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE CENTER LINE OF THE ST. CHARLES AND ELGIN HIGHWAY (DUNHAM ROAD) WITH THE NORTHERLY RIGHT OF WAY LINE OF THE ILLINOIS CENTRAL RAILROAD COMPANY; THENCE NORTHWESTERLY ALONG SAID CENTER LINE OF SAID DUNHAM ROAD 381.23 FEET TO THE POINT OF BEGINNING; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO SAID CENTER LINE A DISTANCE OF 210.52 FEET TO THE EASTERLY LINE OF LANDS CONVEYED TO THE CHICAGO, AURORA AND ELGIN RAILWAY COMPANY BY DEED DATED JUNE 11, 1901 AND RECORDED JUNE 13, 1901 AS DOCUMENT NO. 51258; THENCE NORTHWESTERLY ALONG SAID EASTERLY LINE 1068.18 FEET TO THE CENTER LINE OF THE CLINTONVILLE ROAD; THENCE EASTERLY ALONG SAID CENTER LINE 576.21 FEET TO THE CENTER LINE OF SAID ST. CHARLES AND ELGIN HIGHWAY (DUNHAM ROAD); THENCE SOUTHEASTERLY ALONG SAID CENTER LINE 765.14 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.

THE PARCEL DESCRIBED ABOVE CONTAINING 0.275 ACRES, MORE OR LESS.

BASIS OF BEARINGS:
 ALL BEARINGS DEPICTED AS MEASURED HEREON
 ARE REFERENCED TO THE ILLINOIS STATE PLANE
 COORDINATE SYSTEM, EAST ZONE (WGS 84).

COUNTY OF COOK,
 STATE OF ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO
 THE CURRENT ILLINOIS MINIMUM STANDARDS
 OF PRACTICE APPLICABLE TO BOUNDARY
 SURVEYS.

MARCH 12, 2002 RONALD W. SODERQUIST

Ronald W. Soderquist
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1ST 0029		0.275+/-	0.275+/-	0.018+/-	0.000+/-	0.000+/-	N/A	

REVISION	
DATE	DESCRIPTION

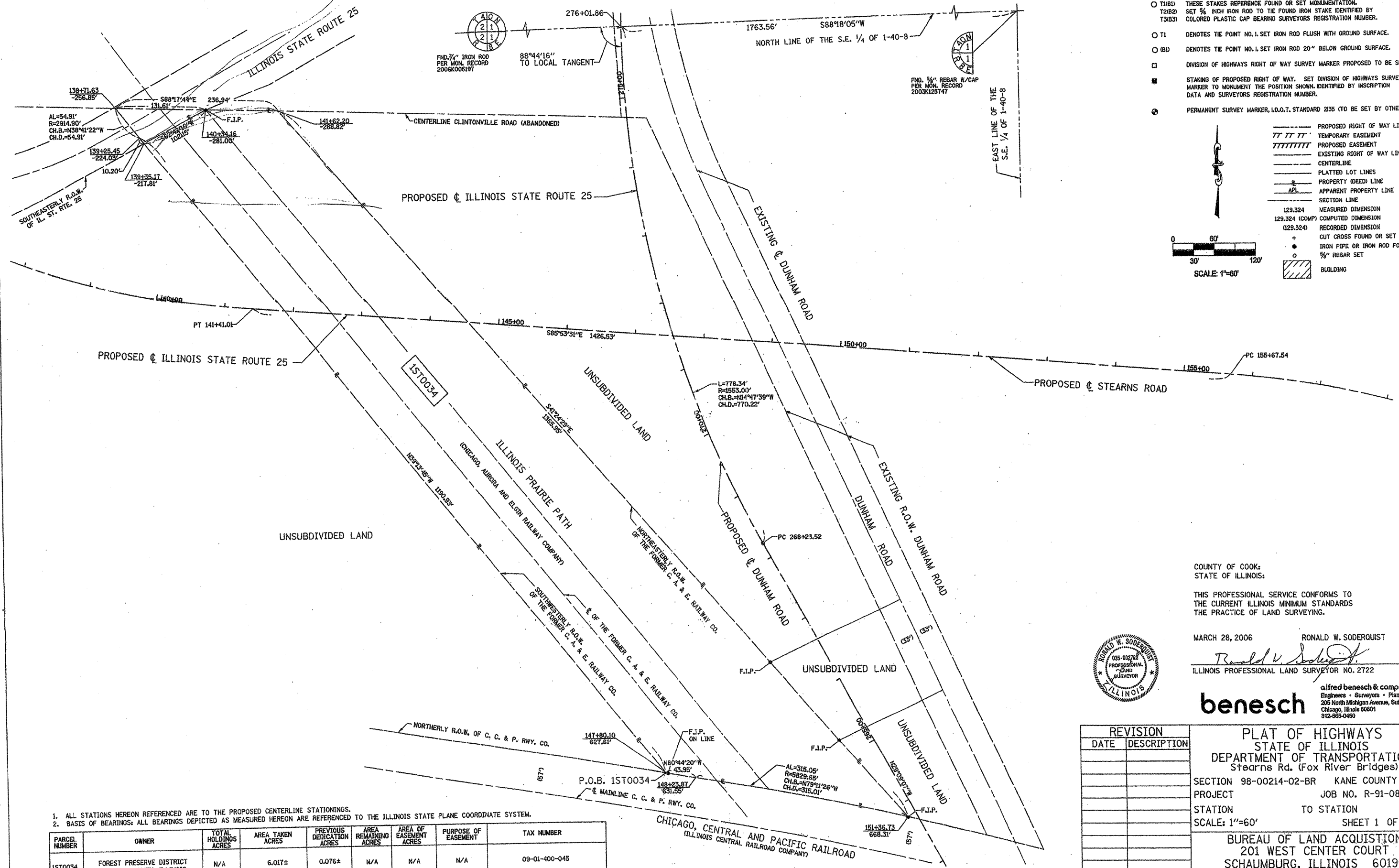
KANE COUNTY
 PLAT OF SURVEY

ROUTE
 SECTION
 COUNTY
 JOB#
 SEC 1
 STA
 DRAWN DGM
 SCALE: 1" = 50'

PROJECT#
 T 40N, R 8 E OF 3RD P.M.
 TO STA
 CHECKED RWS
 PARCEL NO. 0070

ab alfred benesch & company
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO ILLINOIS 60601

PART OF THE SE 1/4 OF SECTION 1, TOWNSHIP 40 N, RANGE 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS



211

LEGEND

- RESET PIPE OR ROD TO ORIGINAL POSITION.
- T1(B1) THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
T2(B2) SET 5/8" INCH IRON ROD TO THE FOUND IRON STAKE IDENTIFIED BY
T3(B3) COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T1 DENOTES THE POINT NO. 1 SET IRON ROD FLUSH WITH GROUND SURFACE.
- (B1) DENOTES THE POINT NO. 1 SET IRON ROD 20" BELOW GROUND SURFACE.
- DIVISION OF HIGHWAYS RIGHT OF WAY SURVEY MARKER PROPOSED TO BE SET.
- 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.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

----- PROPOSED RIGHT OF WAY LINE
 - - - - - TEMPORARY EASEMENT
 / / / / / PROPOSED EASEMENT
 - - - - - EXISTING RIGHT OF WAY LINE
 - - - - - CENTERLINE
 - - - - - PLATTED LOT LINES
 - - - - - PROPERTY (DEED) LINE
 - - - - - APPL APPARENT PROPERTY LINE
 - - - - - SECTION LINE
 129.324 MEASURED DIMENSION
 129.324 (COMP) COMPUTED DIMENSION
 (129.324) RECORDED DIMENSION
 + CUT CROSS FOUND OR SET
 ○ IRON PIPE OR IRON ROD FOUND
 ○ 5/8" REBAR SET
 ▨ BUILDING

0 60' 120'
SCALE: 1"=60'

1. ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONINGS.
 2. BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1ST0034	FOREST PRESERVE DISTRICT OF KANE COUNTY, ILLINOIS	N/A	6.017±	0.076±	N/A	N/A	N/A	09-01-400-045

COUNTY OF COOK:
STATE OF ILLINOIS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS THE PRACTICE OF LAND SURVEYING.

MARCH 28, 2006 RONALD W. SODERQUIST
Ronald W. Soderquist
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



benesch
 alfred benesch & company
 Engineers • Surveyors • Planners
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-965-0450

REVISION	
DATE	DESCRIPTION

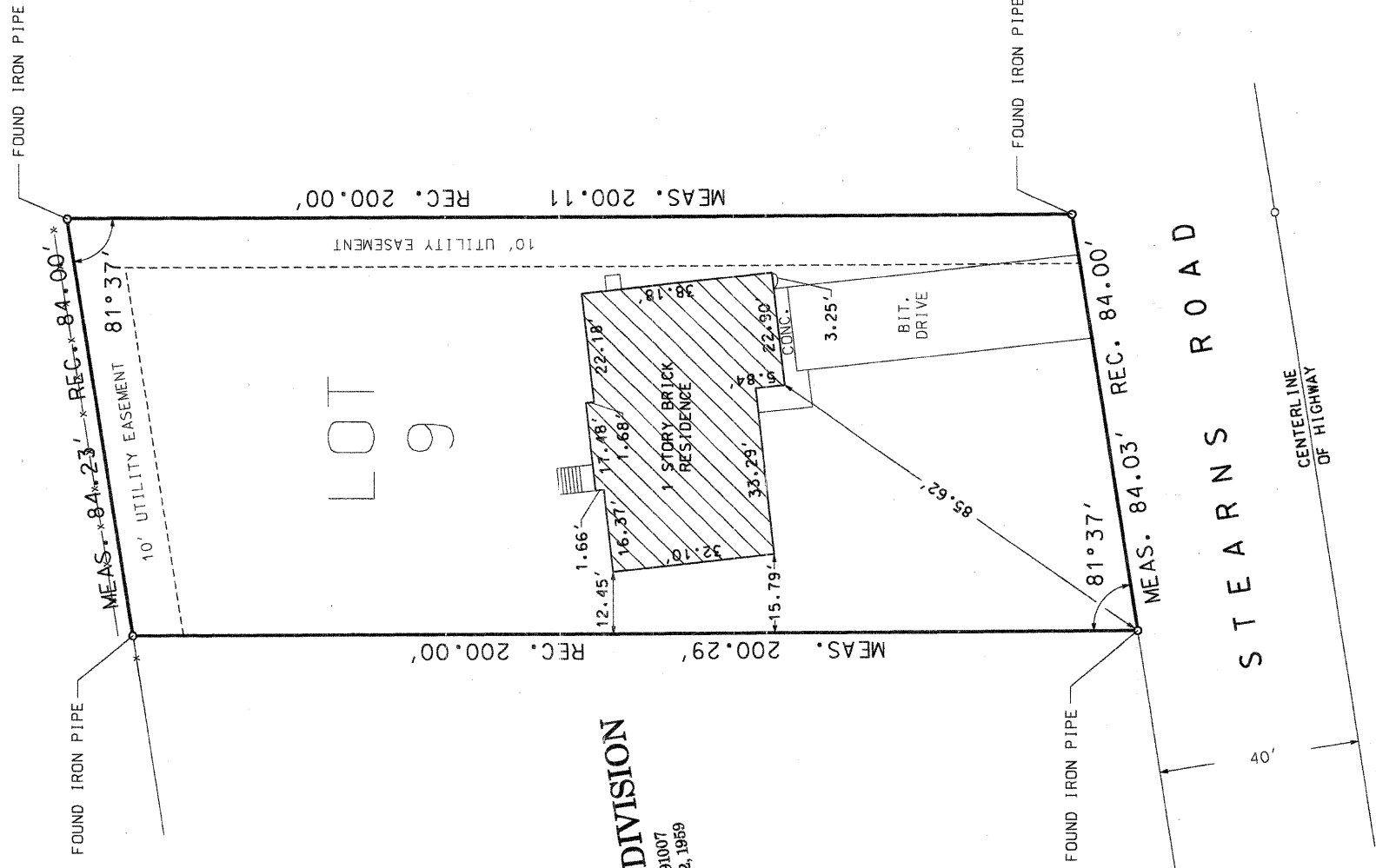
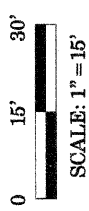
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)

SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-91-083-01
STATION TO STATION
SCALE: 1"=60' SHEET 1 OF 1

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

PLAT OF SURVEY

LOT 9 OF HAAS SUBDIVISION, IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.
SAID LOT CONTAINING 0.382 ACRES, MORE OR LESS.



HAAS SUBDIVISION
DOC. NO. 891007
REC. JUNE 2, 1959

COUNTY OF COOK,
STATE OF ILLINOIS:

THIS PROFESSIONAL SERVICE CONFORMS TO
THE CURRENT ILLINOIS MINIMUM STANDARDS
THE PRACTICE OF LAND SURVEYING.

JANUARY 16, 2002 RONALD W. SODERQUIST

Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



NOTE: ALL ANGLES AND DISTANCES REFERRING TO
LOT LINES ARE THOSE OF RECORD UNLESS
OTHERWISE NOTED.

TOTAL AREA: 16620.5 +/- SQ. FEET
OWNER: CRAIG P. WHEELER
P/I NUMBER: 09-01-400-021
ADDRESS: 33W012 STEARNS ROAD

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1 ST 0008	CRAIG P. WHEELER	0.382+/-	0.382+/-	0.000+/-	0.000+/-	N/A	N/A	09-01-400-021

REVISION	DATE	DESCRIPTION
	5/9/02	TABLE

ROUTE	SECTION	COUNTY	JOB#	SEC 1	STA	DRAWN DGM	CHECKED RWS	SCALE: 1" = 15'

KANE COUNTY
PLAT OF SURVEY

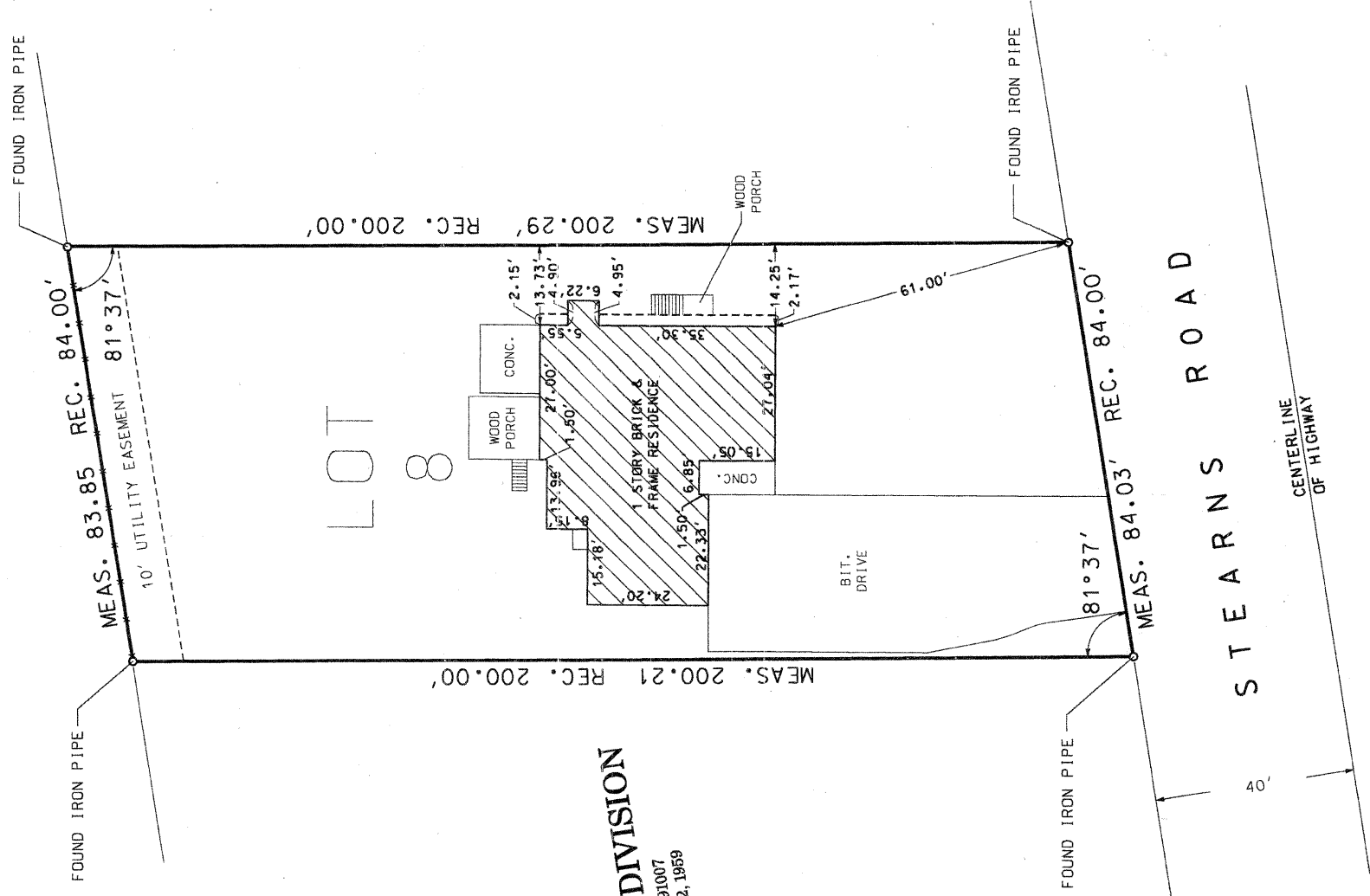
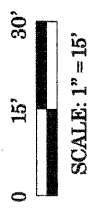


alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO ILLINOIS 60601
JOB NO. 3562

PROJECT#
T 40N, R 8E OF 3RD P.M.
TO STA
CHECKED RWS
PARCEL NO. **212**

PLAT OF SURVEY

LOT 8 OF HAAS SUBDIVISION, IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.
SAID LOT CONTAINING 0.382 ACRES, MORE OR LESS.



HAAS SUBDIVISION
DOC. NO. 891007
REC. JUNE 2, 1959

COUNTY OF COOK,
STATE OF ILLINOIS:

THIS PROFESSIONAL SERVICE CONFORMS TO
THE CURRENT ILLINOIS MINIMUM STANDARDS
THE PRACTICE OF LAND SURVEYING.

JANUARY 16, 2002 RONALD W. SODERQUIST

Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



NOTE: ALL ANGLES AND DISTANCES REFERRING TO
LOT LINES ARE THOSE OF RECORD UNLESS
OTHERWISE NOTED.

TOTAL AREA: 16620.5 +/- SQ. FEET
OWNER: KEVIN J. BURRIS
PIN NUMBER: 09-01-400-020
ADDRESS: 33W026 STEARNS ROAD

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1 ST 0009	KEVIN J. BURRIS	0.382+/-	0.382+/-	0.000+/-	0.000+/-	N/A	N/A	09-01-400-020



alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO ILLINOIS 60601
JOB NO. 3562

REVISION	DATE	DESCRIPTION
	5/9/02	TABLE

ROUTE	SECTION	COUNTY	JOB#

SEC 1	STA	DRAWN	DGM	CHECKED	RWS

PROJECT#	T 40N, R 8 E OF 3RD P.M.

TO STA	TO STA	TO STA

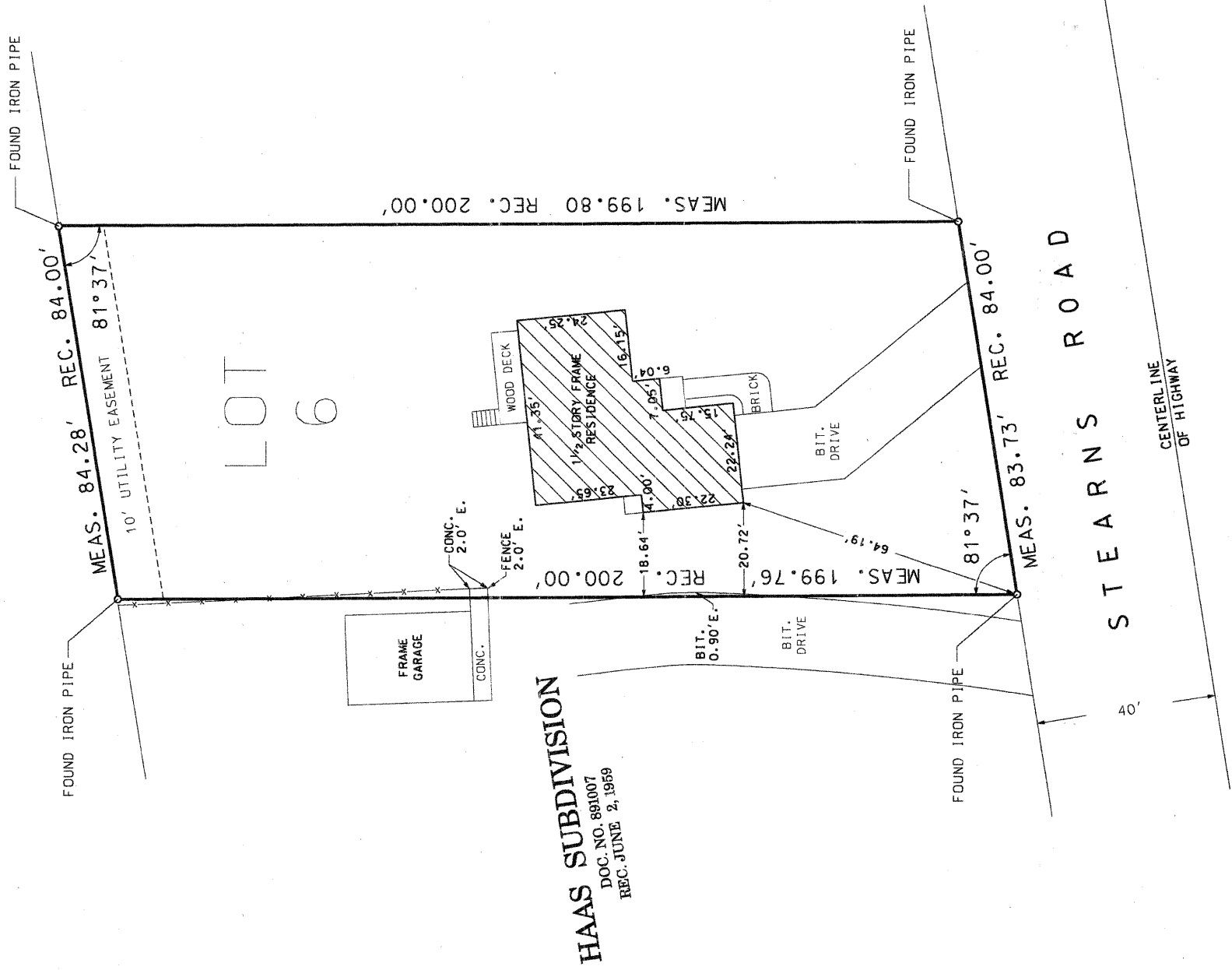
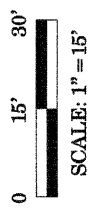
SCALE: 1" = 15'	PARCEL NO.
	213

KANE COUNTY
PLAT OF SURVEY

PLAT OF SURVEY



LOT 6 OF HAAS SUBDIVISION, IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.
SAID LOT CONTAINING 0.382 ACRES, MORE OR LESS.



HAAS SUBDIVISION
DOC. NO. 891007
REC. JUNE 2, 1959

COUNTY OF COOK,
STATE OF ILLINOIS:

THIS PROFESSIONAL SERVICE CONFORMS TO
THE CURRENT ILLINOIS MINIMUM STANDARDS
THE PRACTICE OF LAND SURVEYING.

JANUARY 16, 2002
RONALD W. SODERQUIST
Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



NOTE: ALL ANGLES AND DISTANCES REFERRING TO
LOT LINES ARE THOSE OF RECORD UNLESS
OTHERWISE NOTED.

TOTAL AREA: 16620.5 +/- SQ. FEET
OWNER: LAURIE A. OLSON
PIN NUMBER: 09-01-400-018
ADDRESS: 33W054 STEARNS ROAD

ab
alfred benesch & company
CONSULTING ENGINEERS
203 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 35562

REVISION		KANE COUNTY	
DATE	DESCRIPTION	PLAT OF SURVEY	
5/9/02	TABLE	ROUTE	
		SECTION	
		COUNTY	
		JOB#	
		SEC 1	PROJECT#
		STA	T 40N, R 8 E OF 3RD P.M.
		DRAWN DGM	TO STA
		CHECKED RWS	
		SCALE: 1" = 15'	PARCEL NO.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1 ST 0011	LAURIE A. OLSON	0.382+/-	0.382+/-	0.000+/-	0.000+/-	N/A	09-01-400-018

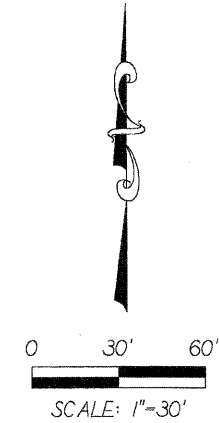
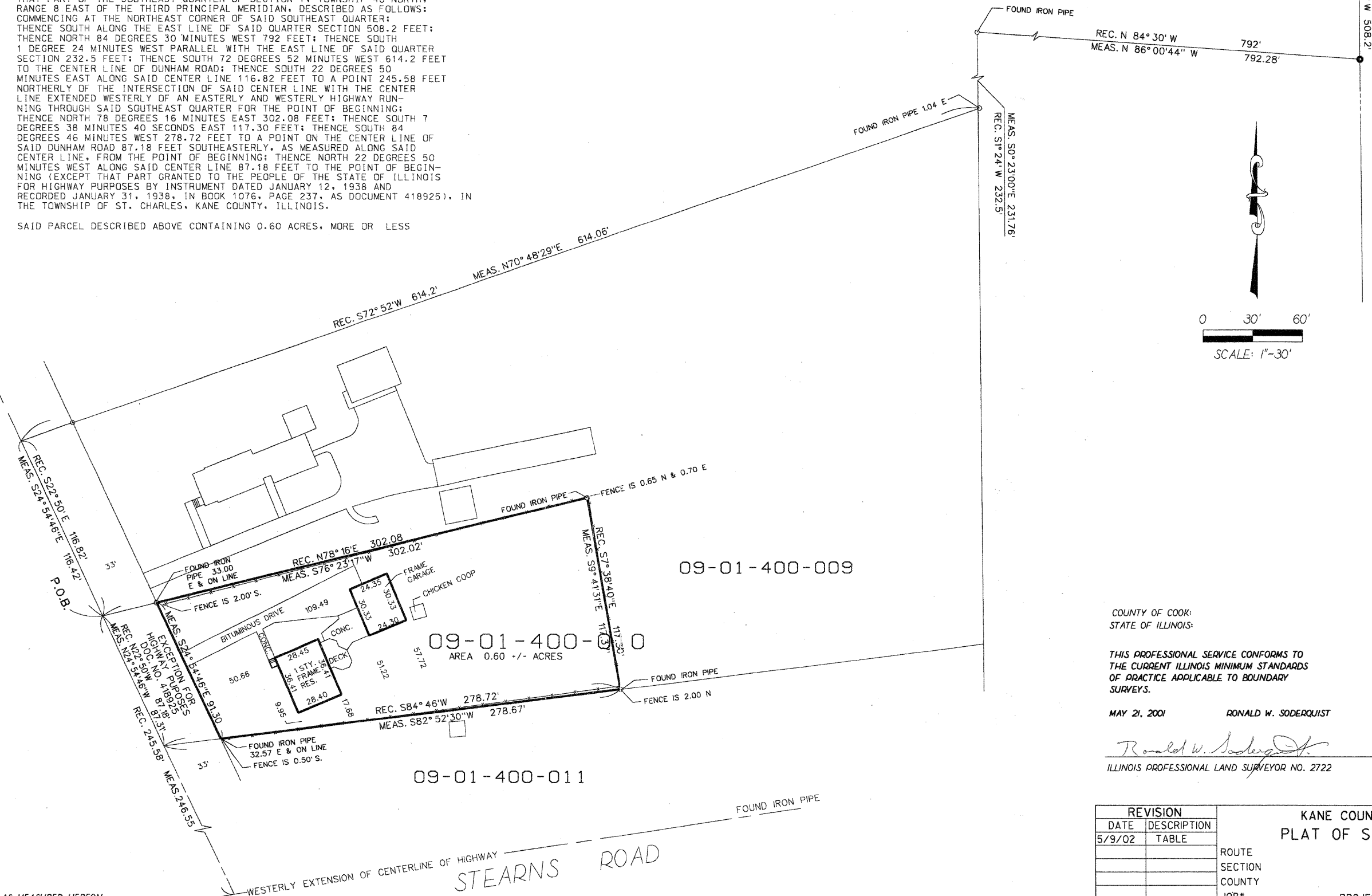
PLAT OF SURVEY

NORTHEAST CORNER OF THE SOUTHEAST QUARTER SEC. 1-40-8

THAT PART OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID SOUTHEAST QUARTER: THENCE SOUTH ALONG THE EAST LINE OF SAID QUARTER SECTION 508.2 FEET; THENCE NORTH 84 DEGREES 30 MINUTES WEST 792 FEET; THENCE SOUTH 1 DEGREE 24 MINUTES WEST PARALLEL WITH THE EAST LINE OF SAID QUARTER SECTION 232.5 FEET; THENCE SOUTH 72 DEGREES 52 MINUTES WEST 614.2 FEET TO THE CENTER LINE OF DUNHAM ROAD; THENCE SOUTH 22 DEGREES 50 MINUTES EAST ALONG SAID CENTER LINE 116.82 FEET TO A POINT 245.58 FEET NORTHERLY OF THE INTERSECTION OF SAID CENTER LINE WITH THE CENTER LINE EXTENDED WESTERLY OF AN EASTERLY AND WESTERLY HIGHWAY RUNNING THROUGH SAID SOUTHEAST QUARTER FOR THE POINT OF BEGINNING; THENCE NORTH 78 DEGREES 16 MINUTES EAST 302.08 FEET; THENCE SOUTH 7 DEGREES 38 MINUTES 40 SECONDS EAST 117.30 FEET; THENCE SOUTH 84 DEGREES 46 MINUTES WEST 278.72 FEET TO A POINT ON THE CENTER LINE OF SAID DUNHAM ROAD 87.18 FEET SOUTHEASTERLY, AS MEASURED ALONG SAID CENTER LINE, FROM THE POINT OF BEGINNING; THENCE NORTH 22 DEGREES 50 MINUTES WEST ALONG SAID CENTER LINE 87.18 FEET TO THE POINT OF BEGINNING (EXCEPT THAT PART GRANTED TO THE PEOPLE OF THE STATE OF ILLINOIS FOR HIGHWAY PURPOSES BY INSTRUMENT DATED JANUARY 12, 1938 AND RECORDED JANUARY 31, 1938, IN BOOK 1076, PAGE 237, AS DOCUMENT 418925), IN THE TOWNSHIP OF ST. CHARLES, KANE COUNTY, ILLINOIS.

SAID PARCEL DESCRIBED ABOVE CONTAINING 0.60 ACRES, MORE OR LESS

DUNHAM ROAD
CENTERLINE
IF FORMERLY ST. CHARLES AND ELGIN ROAD



COUNTY OF COOK;
STATE OF ILLINOIS;

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE APPLICABLE TO BOUNDARY SURVEYS.

MAY 21, 2001 RONALD W. SODERQUIST

Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722



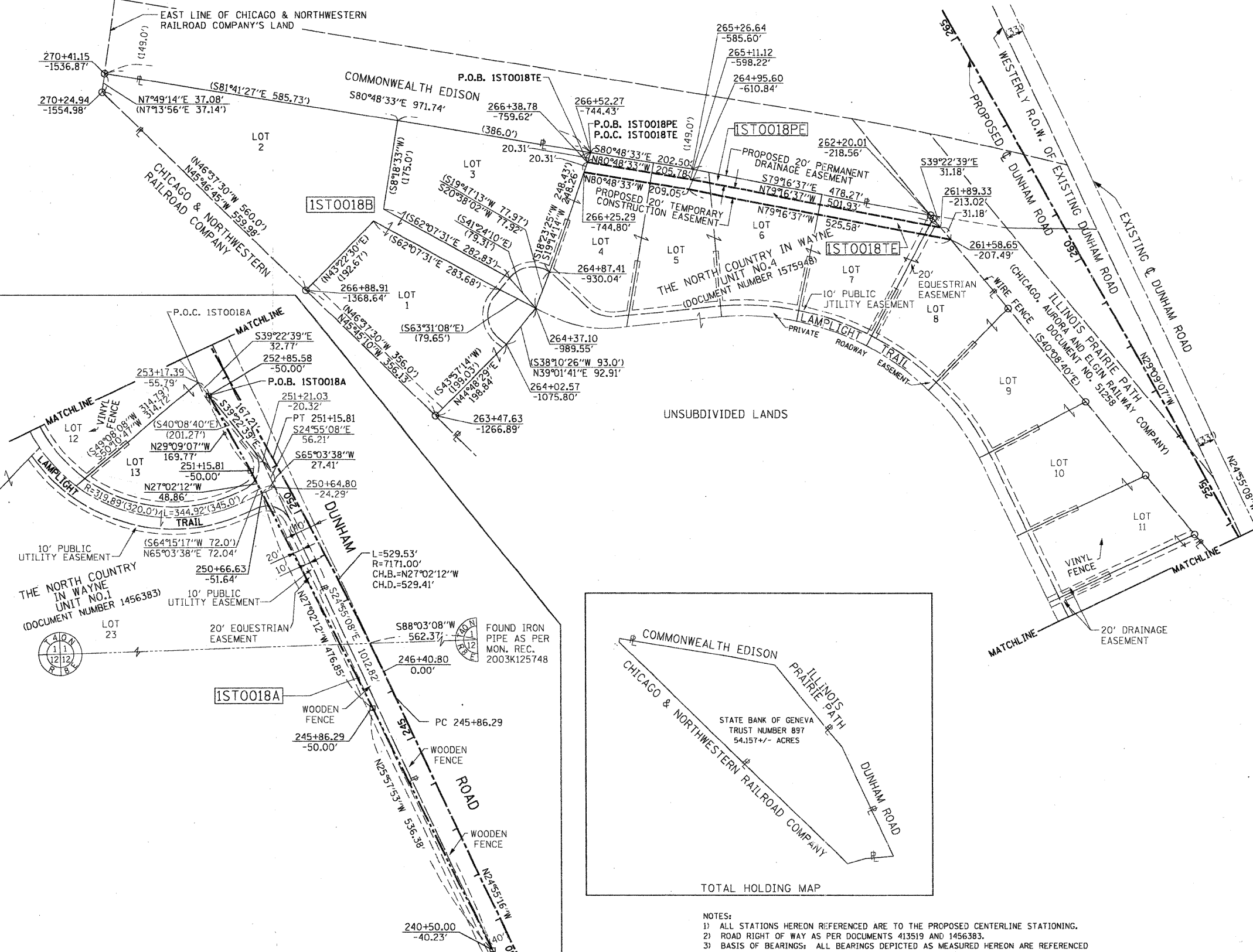
BASIS OF BEARINGS:
ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (WGS 84).

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	TAX NUMBER
1ST 0014	ISIDORO RUIZ & ESPERANZA RUIZ	0.60+/-	0.60+/-	0.000+/-	0.000+/-	N/A	N/A	09-01-400-010

REVISION		KANE COUNTY PLAT OF SURVEY	
DATE	DESCRIPTION	ROUTE	SECTION
5/9/02	TABLE	COUNTY	JOB#
		SEC	PROJECT#
		STA	T, R OF P.M.
		DRAWN	TO STA
		SCALE: 1" =	CHECKED
			PARCEL NO.

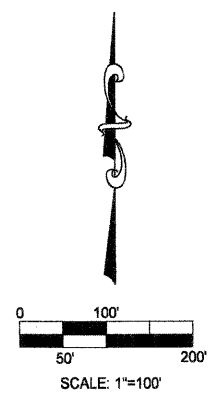
PART OF THE S 1/2 OF SECTION 1 & PART OF THE NE 1/4 OF SECTION 12, TOWNSHIP 40 N, RANGE 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS

217



LEGEND

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



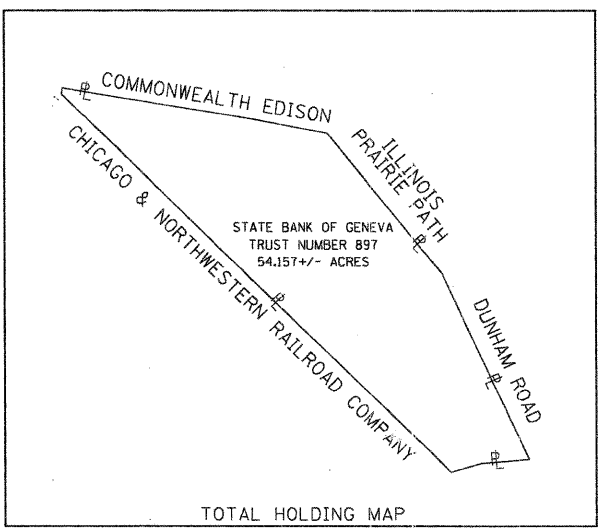
- Bearings are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 1983.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO 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.

COUNTY OF COOK;
STATE OF ILLINOIS;
THIS IS TO CERTIFY THAT I, RONALD W. SODERQUIST, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, NUMBER 2722, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 40 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.
MARCH 28, 2006

RONALD W. SODERQUIST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008



benesch
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-665-0450
Design Firm License # 184.000862



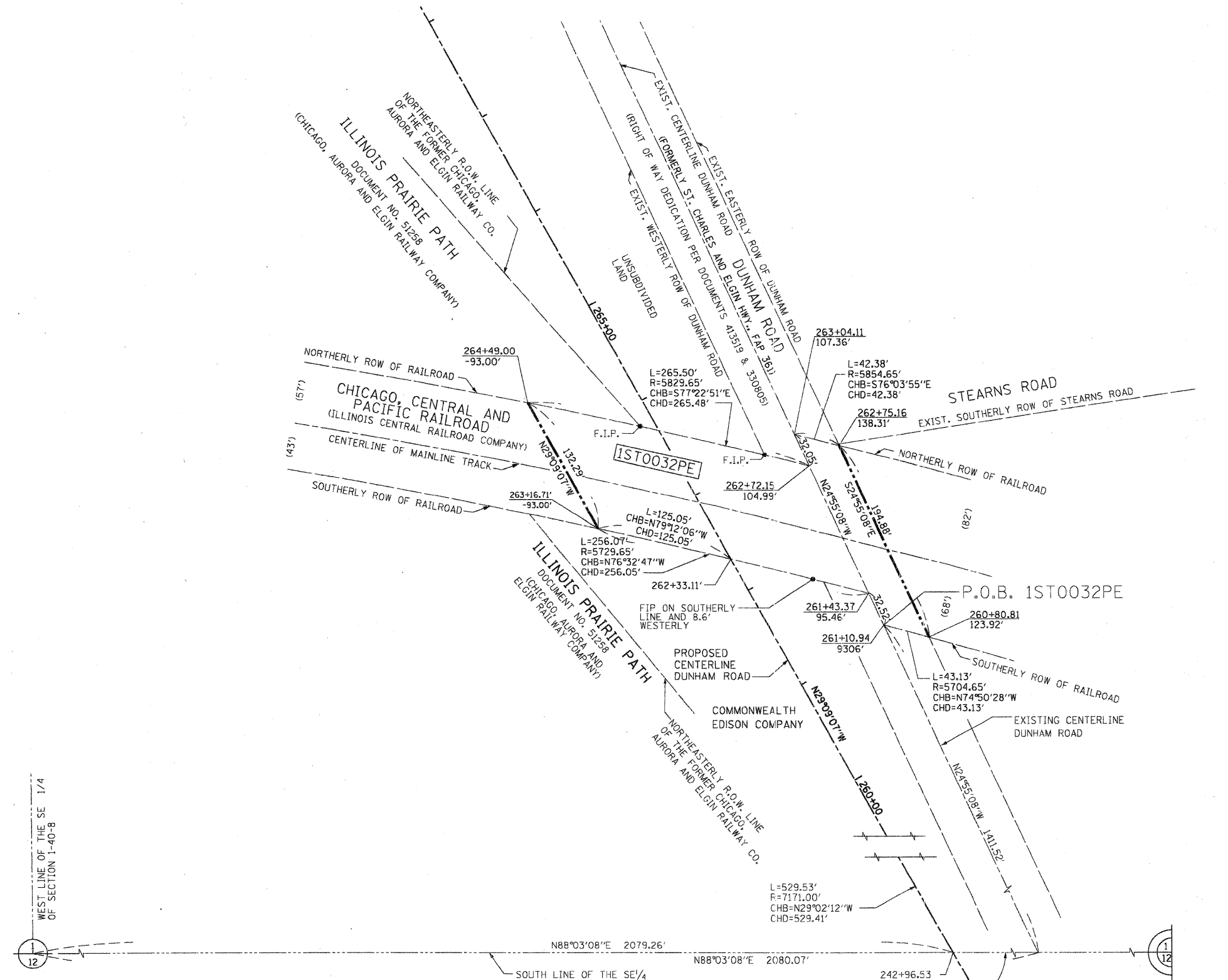
NOTES:
1) ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.
2) ROAD RIGHT OF WAY AS PER DOCUMENTS 413519 AND 1456383.
3) BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (WGS 84).

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1ST0018A	STATE BANK OF GENEVA TRUST NUMBER 897	54.157	0.356	NA	46.748	0.000	NA	09-01-476-005, 09-01-476-001, 09-12-226-001	
1ST0018B			7.053			0.000	NA	09-01-301-001, 09-01-401-001, 09-01-401-002	
1ST0018PE			0.000			0.319	PERMANENT DRAINAGE	09-01-401-003, 09-01-401-004, 09-01-401-006, 09-01-401-007	
1ST0018TE			0.000			0.331	TEMPORARY CONSTRUCTION	09-01-401-003, 09-01-401-004, 09-01-401-005, 09-01-401-006, 09-01-401-007	
TOTAL=7.409									

REVISION

DATE	DESCRIPTION
12/12/06	KANE CO.
1/02/07	CAD
4/09/07	CAD
12/14/07	TAKE/EASE.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)
SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-91-083-01
STATION 240+50.00 TO STATION 270+41.15
SCALE: 1"=100' SHEET 1 OF 1
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



LEGEND

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

SCALE: 1"=50'
 0 25' 50' 100'

Bearings are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 1983.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET • 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO 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.

COUNTY OF COOK:
STATE OF ILLINOIS:
THIS IS TO CERTIFY THAT I, RONALD W. SODERQUIST, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, NUMBER 2722, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 1, TOWNSHIP 40 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.
DECEMBER 6, 2005 RONALD W. SODERQUIST

Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008



benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0460
Design Firm License # 184.000882

REVISION	
DATE	DESCRIPTION
12/20/05	KANE COM.
4/18/07	IDOT COM.

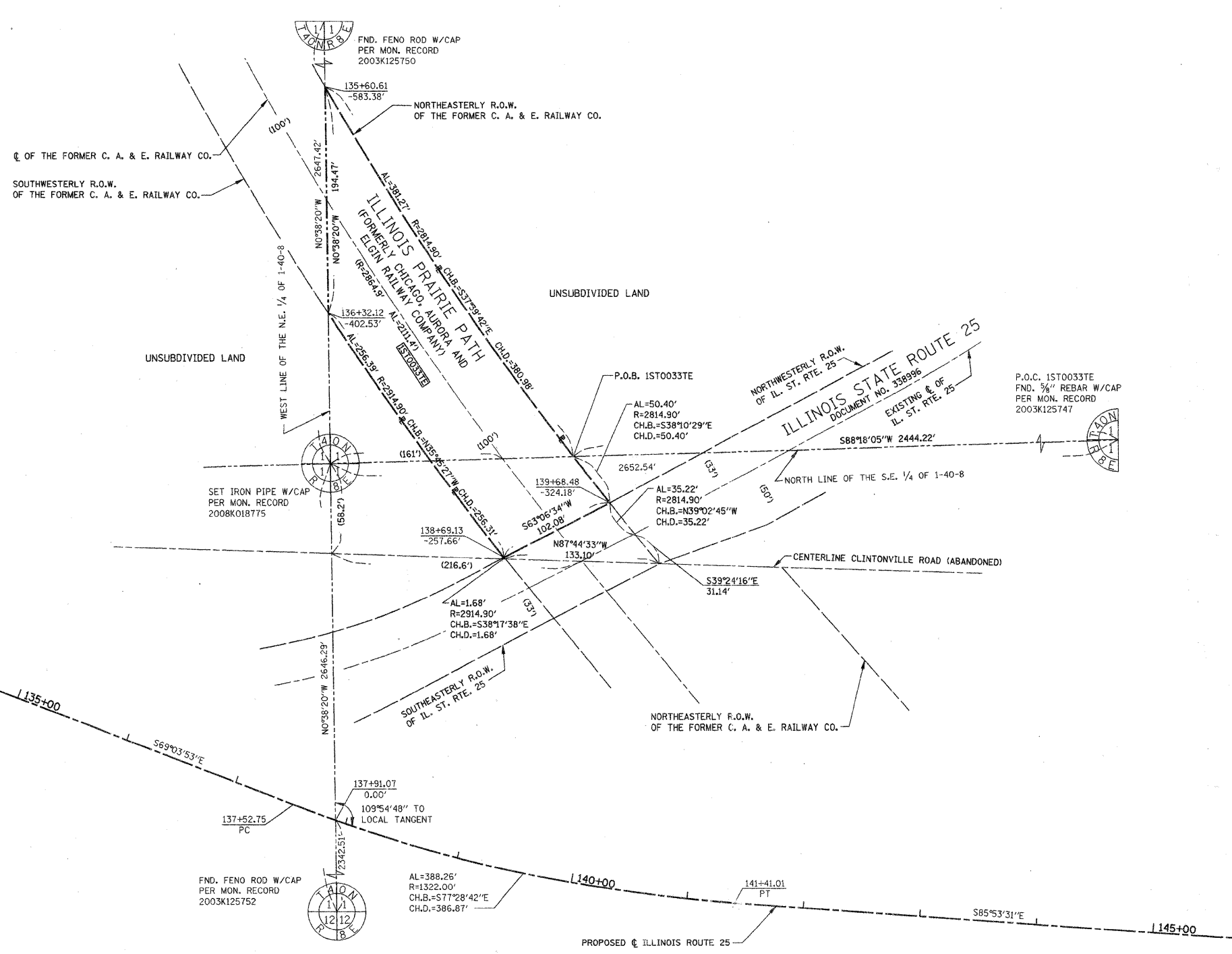
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Stearns Rd. (Fox River Bridges)
SECTION 98-00214-02-BR KANE COUNTY
PROJECT JOB NO. R-91-083-01
STATION 260+80.81 TO STATION 264+49.00
SCALE: 1"=50' SHEET 1 OF 1
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

NOTES
1. ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.
2. SUBJECT TO EASEMENTS, IF ANY, AS PER THE FOLLOWING DOCUMENT NUMBERS: 1616152, 94K010841 AND 1967345.
3. BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (WGS 84).

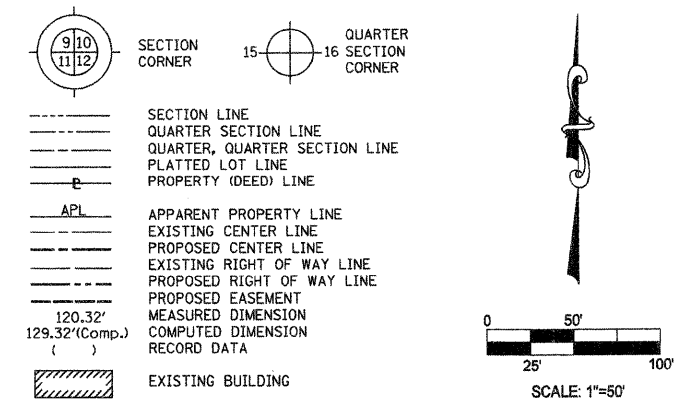
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1ST0032PE	CHICAGO, CENTRAL & PACIFIC RAILROAD COMPANY	N/A	0.000	0.000	N/A	0.746	BRIDGE	09-01-504-002	

P.O.C. 1ST0032PE
FOUND FENO ROD W/CAP
AS PER MONUMENT RECORD

66°05'26" TO LOCAL TANGENT
FOUND IRON PIPE AS PER MONUMENT RECORD
2003K125748



LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 1983.

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

COUNTY OF COOK:
STATE OF ILLINOIS:

THIS IS TO CERTIFY THAT I, RONALD W. SODERQUIST, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, NUMBER 2722, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 1, TOWNSHIP 40 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KANE 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.

JANUARY 29, 2008
RONALD W. SODERQUIST
Ronald W. Soderquist
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2722
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008



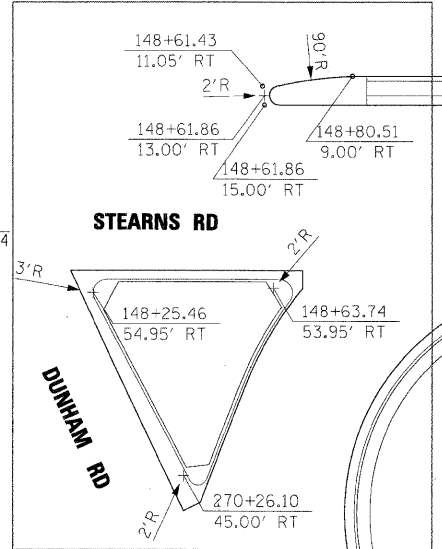
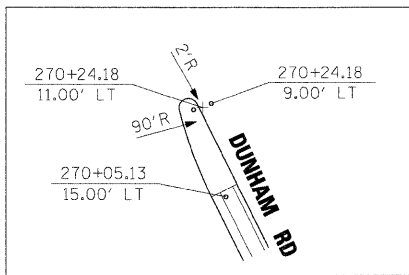
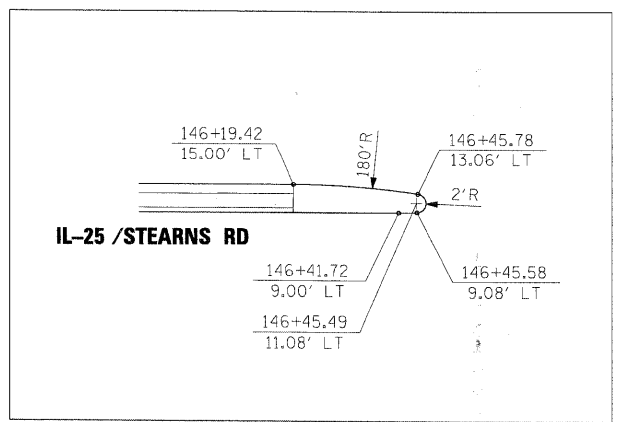
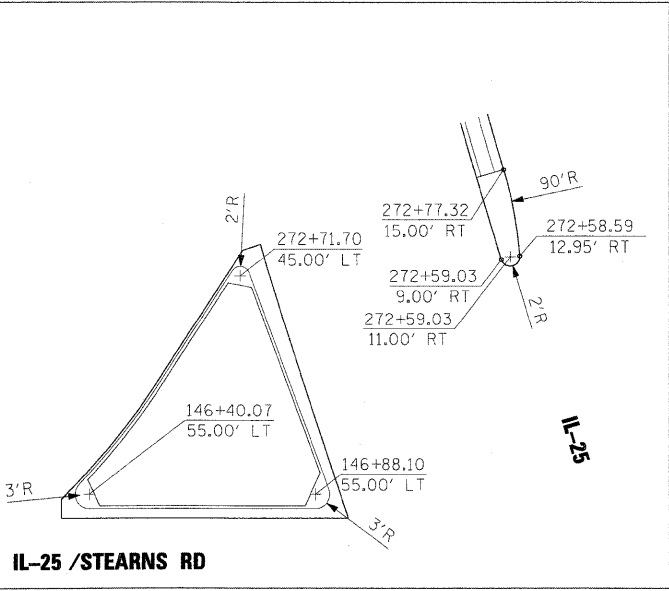
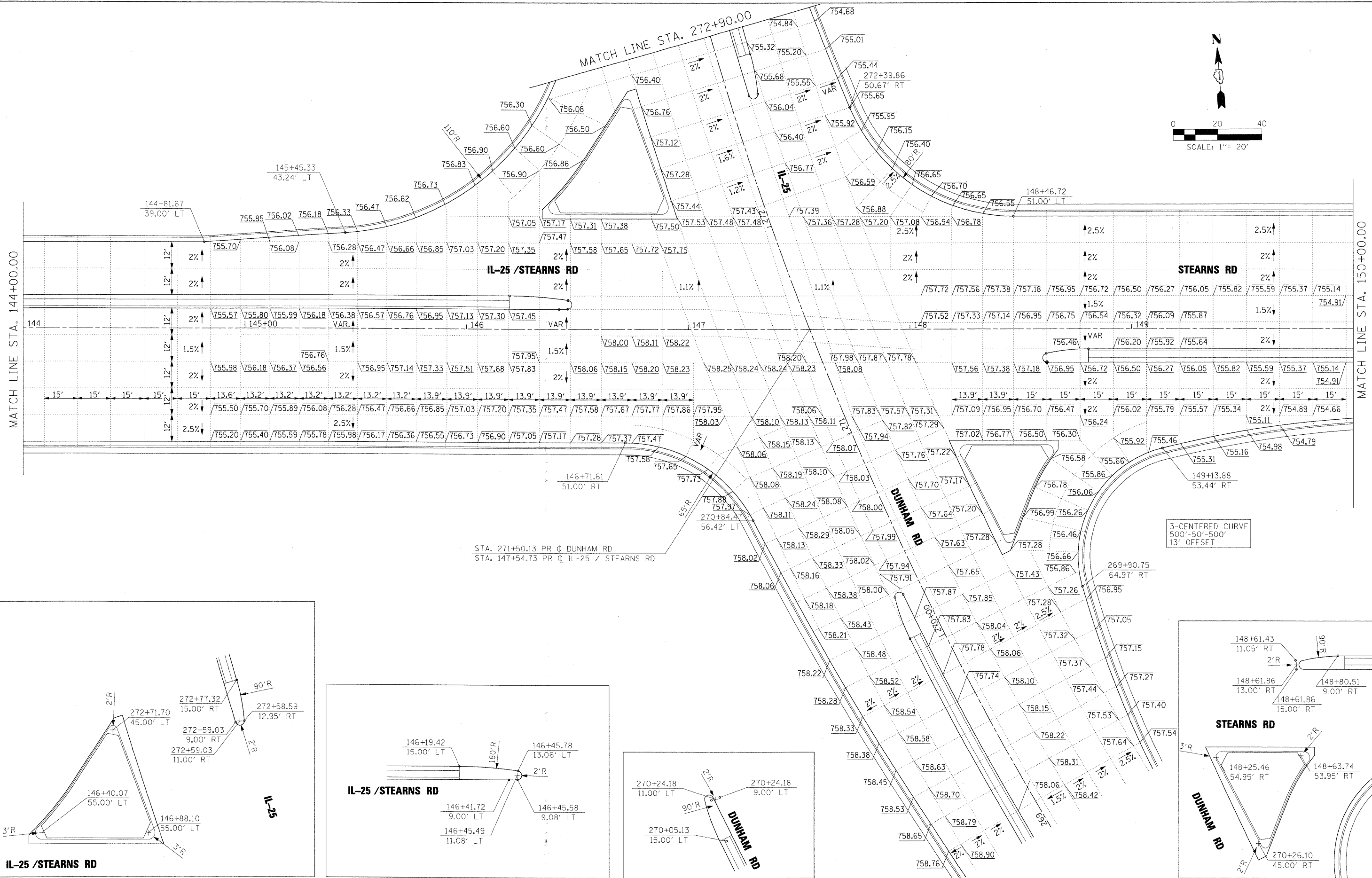
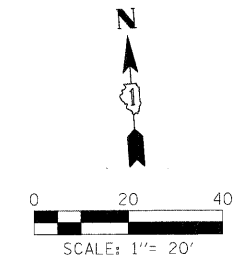
benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450

REVISION		PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION Stearns Rd. (Fox River Bridges) SECTION 98-00214-02-BR KANE COUNTY PROJECT JOB NO. R-91-083-01 STATION 135+60.61 TO STATION 139+68.48 SCALE: 1"=50' SHEET 1 OF 1 BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196
DATE	DESCRIPTION	
2-14-08	EAS. CHG.	
3-12-08	IDOT COM.	

- ALL STATIONS HEREON REFERENCED ARE TO THE PROPOSED CENTERLINE STATIONING.
- BASIS OF BEARINGS: ALL BEARINGS DEPICTED AS MEASURED HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN ACRES	PREVIOUS DEDICATION ACRES	AREA REMAINING ACRES	AREA OF EASEMENT ACRES	PURPOSE OF EASEMENT	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1ST0033TE	FOREST PRESERVE DISTRICT OF KANE COUNTY, ILLINOIS	N/A	0.000	0.000	N/A	0.787	CONSTRUCTION	09-01-400-045 09-01-200-004	

ILLINOIS PROFESSIONAL LAND SURVEYORS BOARD
 205 NORTH MICHIGAN AVENUE, SUITE 2400
 CHICAGO, ILLINOIS 60601
 312-565-0450



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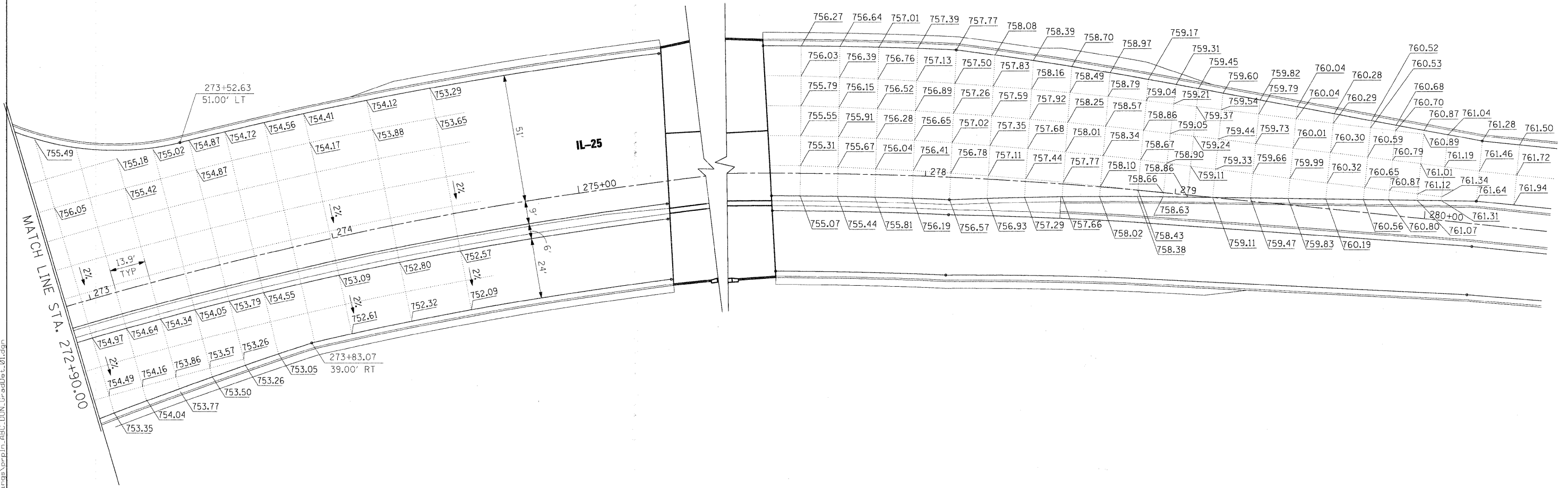
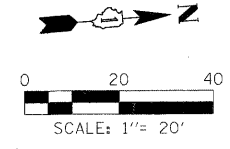
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PLOT SCALE = 20.0000' / IN.
PLOT DATE = 3/30/2009

**KANE COUNTY
DIVISION OF TRANSPORTATION**

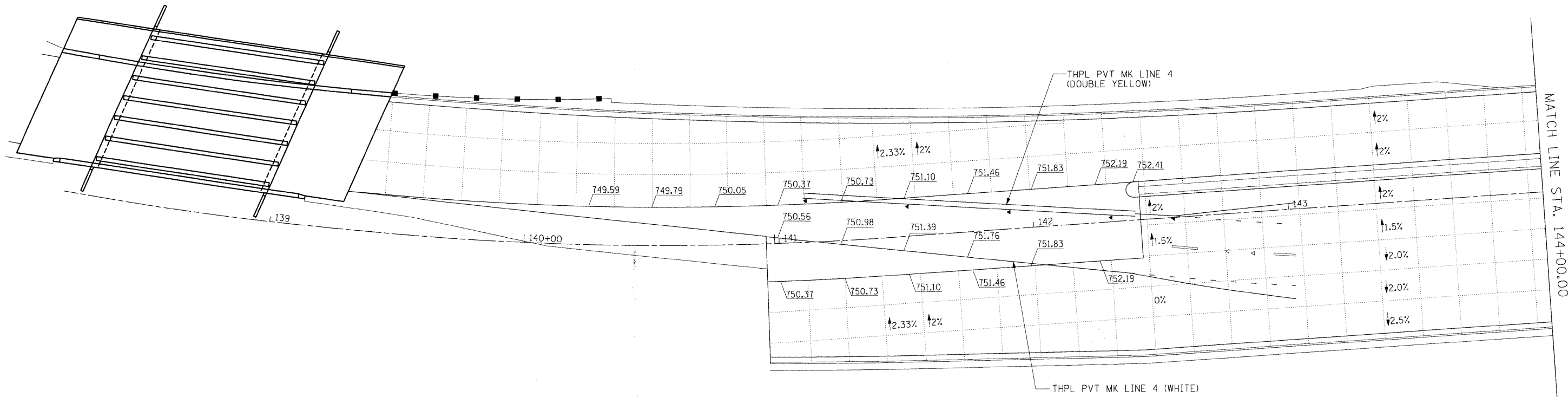
INTERSECTION DETAILS DUNHAM / IL-25 / STEARNS ROAD			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 220
CONTRACT NO. 63074				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				



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		DATE - 3/31/09	REVISED -							FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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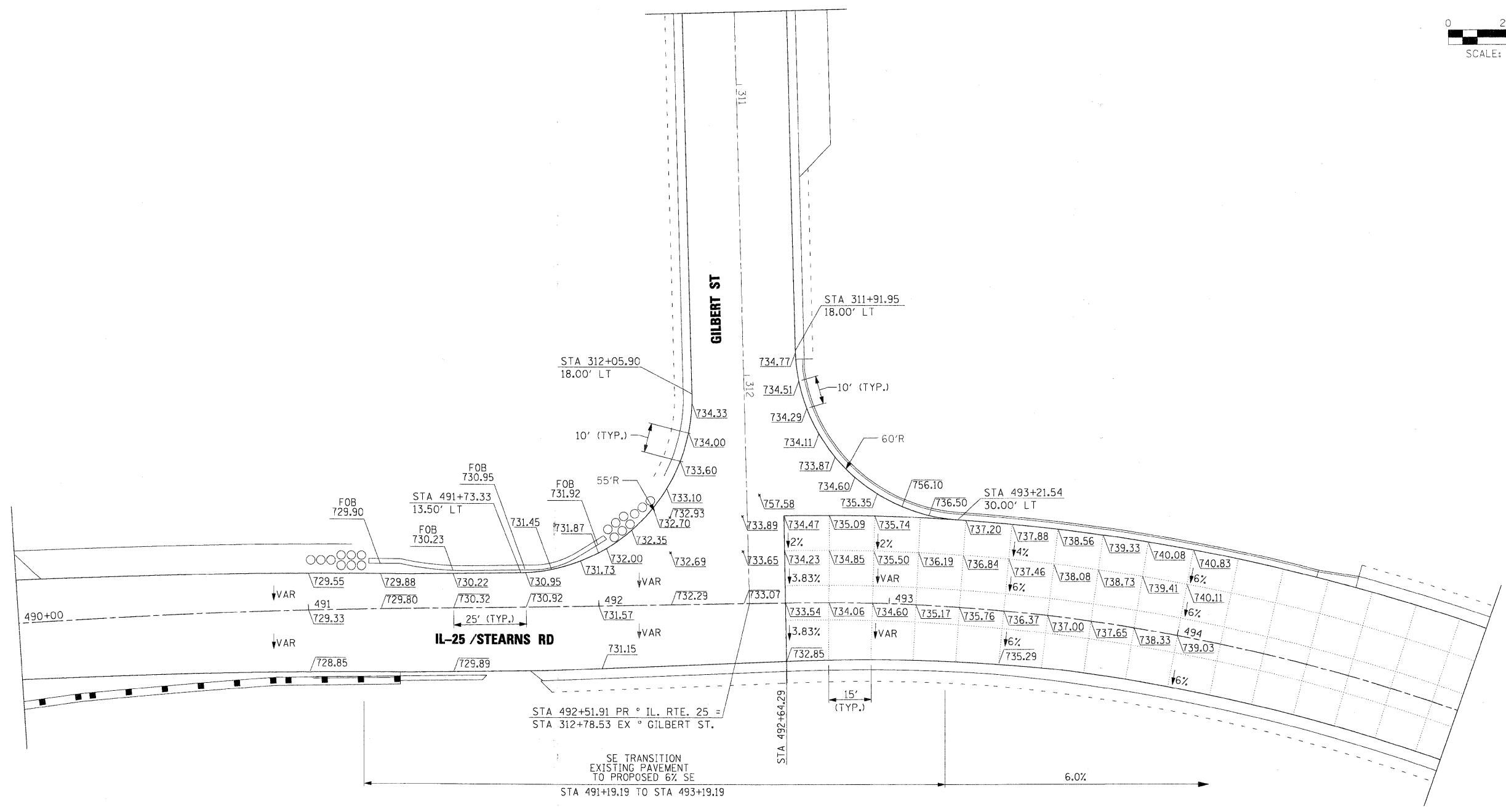
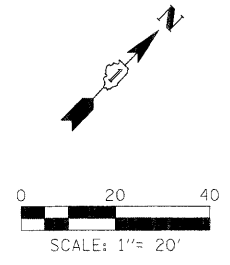
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**KANE COUNTY
DIVISION OF TRANSPORTATION**

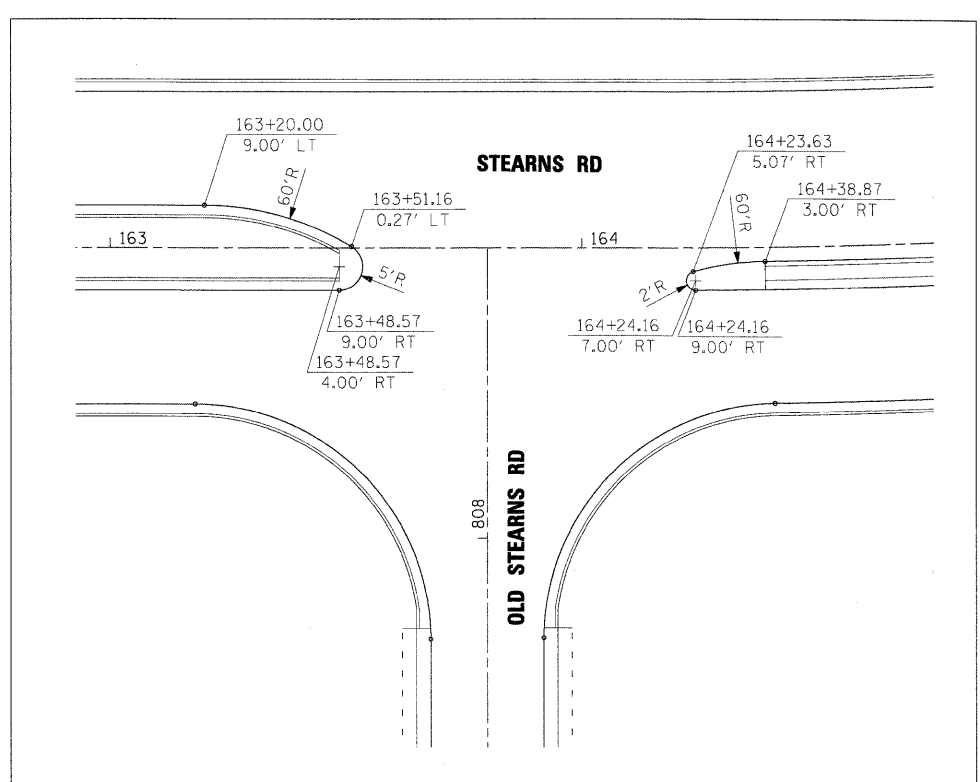
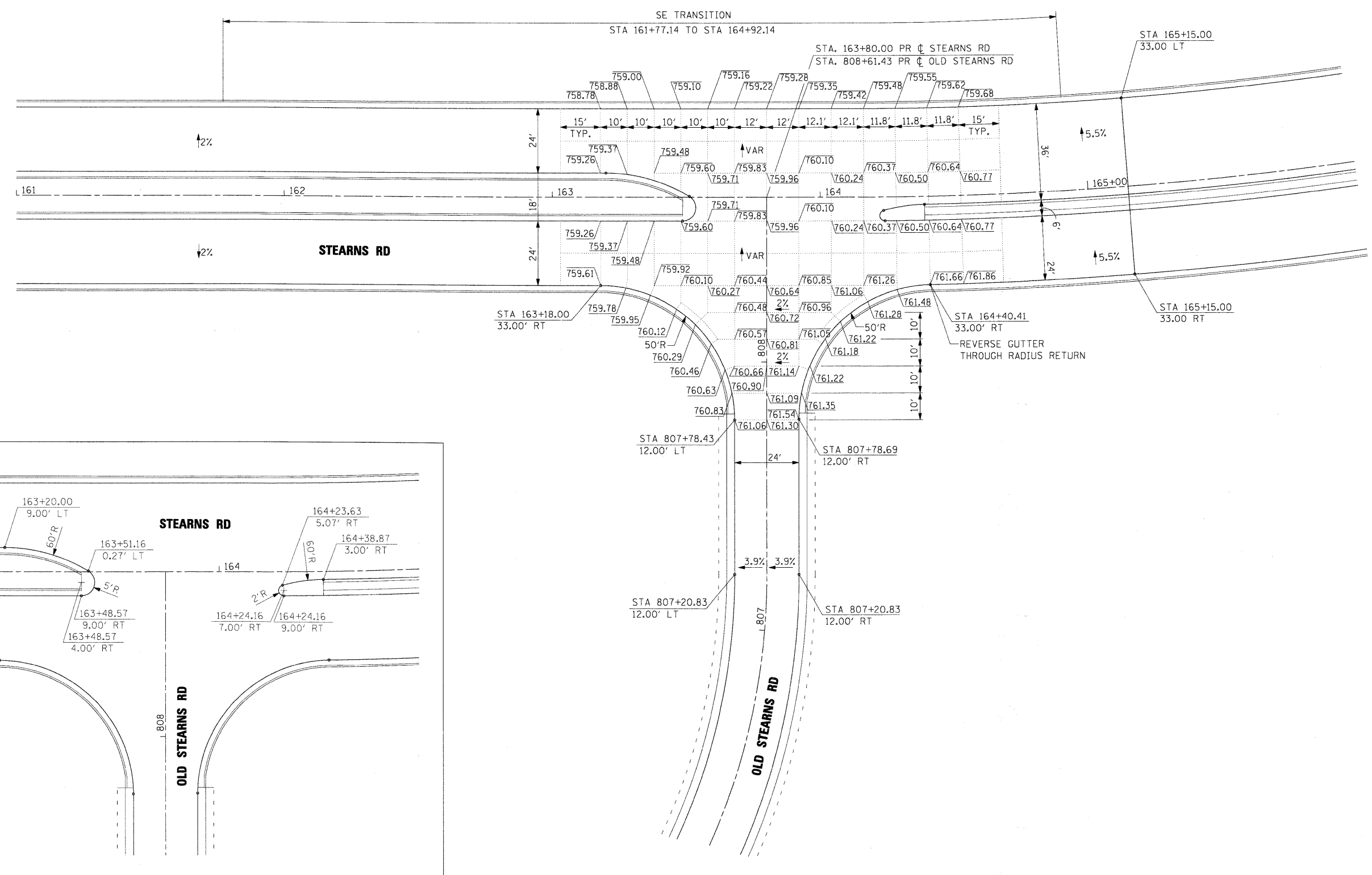
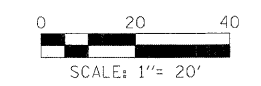
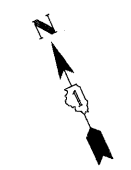
**DETAIL GRADES
IL 25 / STEARNS ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	222
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63074		

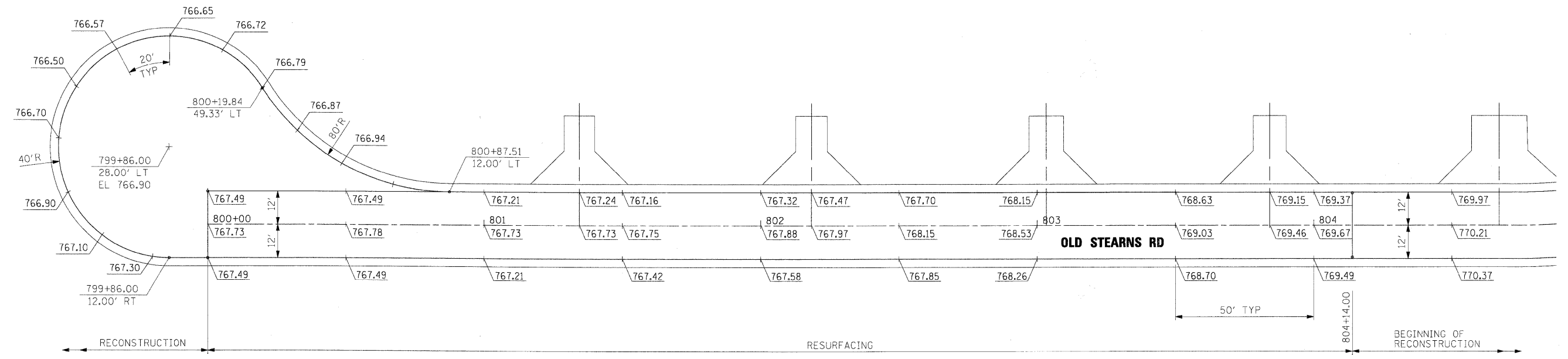
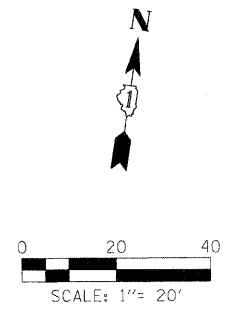


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	PLDT SCALE = 20.0000' / IN.	DRAWN - INS	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	361	06-00214-15-BR	KANE/DUPAGE	545	223
	PLDT DATE = 3/30/2009	CHECKED - JNR	REVISED -												
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											CONTRACT NO. 63074		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		



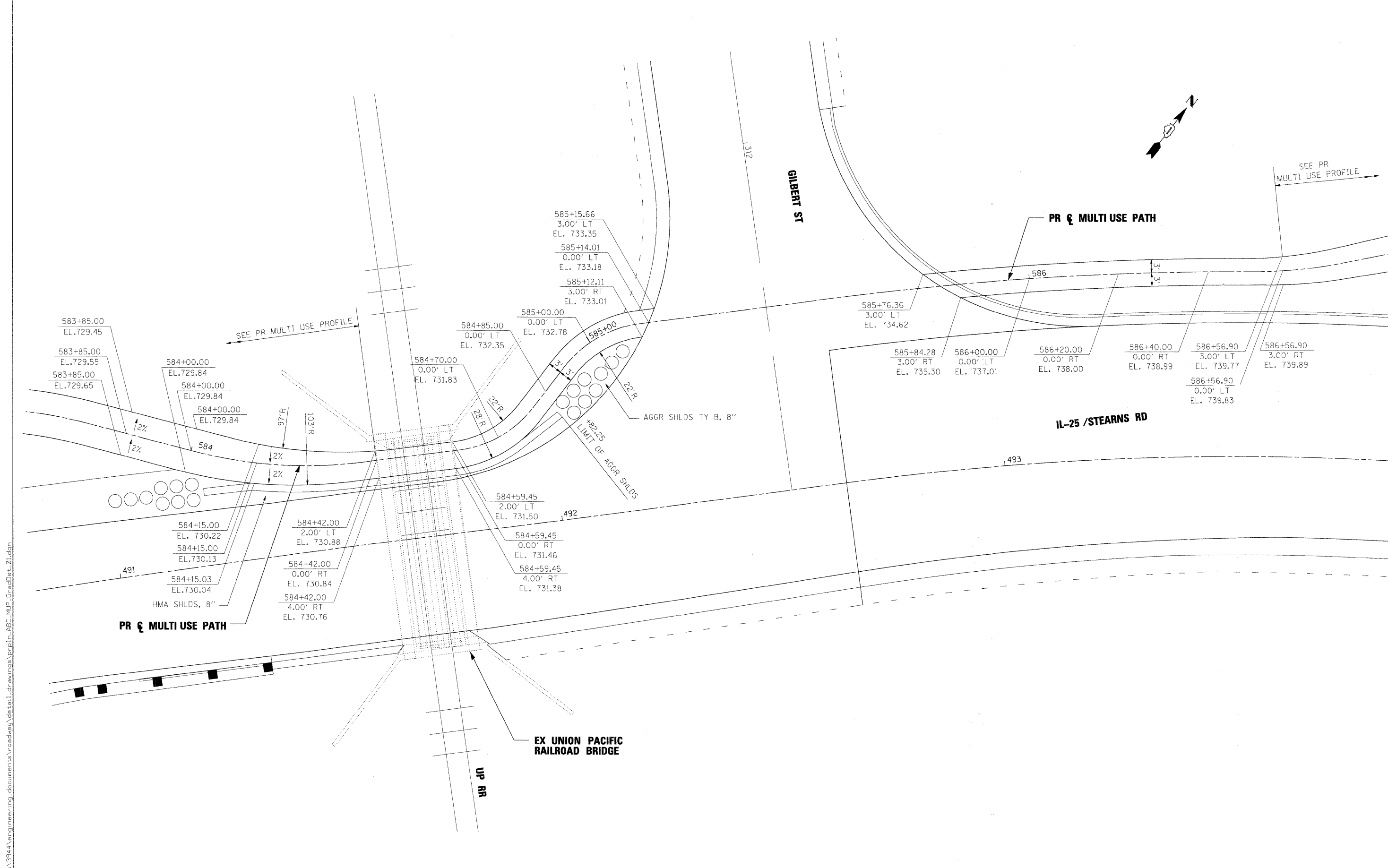
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	PLOT SCALE = 20.0000' / IN.	DRAWN - INS	REVISED -		361	06-00214-15-BR	KANE/DUPAGE	545	224					
	PLOT DATE = 3/30/2009	CHECKED - JNR	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.					CONTRACT NO. 63074				
		DATE - 3/31/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									



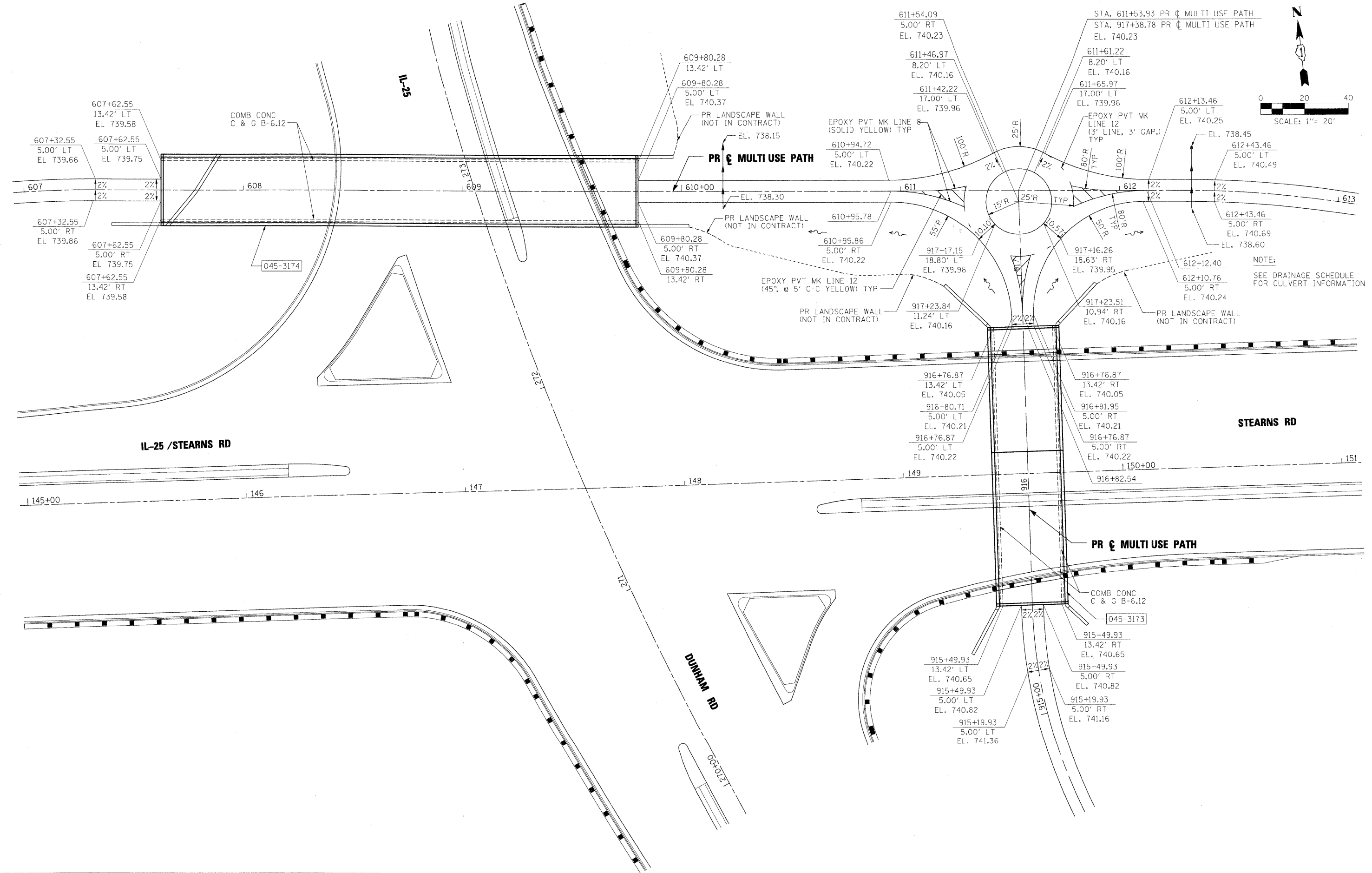
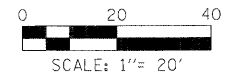
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	PLOT SCALE = 20.0000' / IN.	CHECKED - JNR	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63074				
PLOT DATE 3/30/2009	DATE - 3/31/09	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



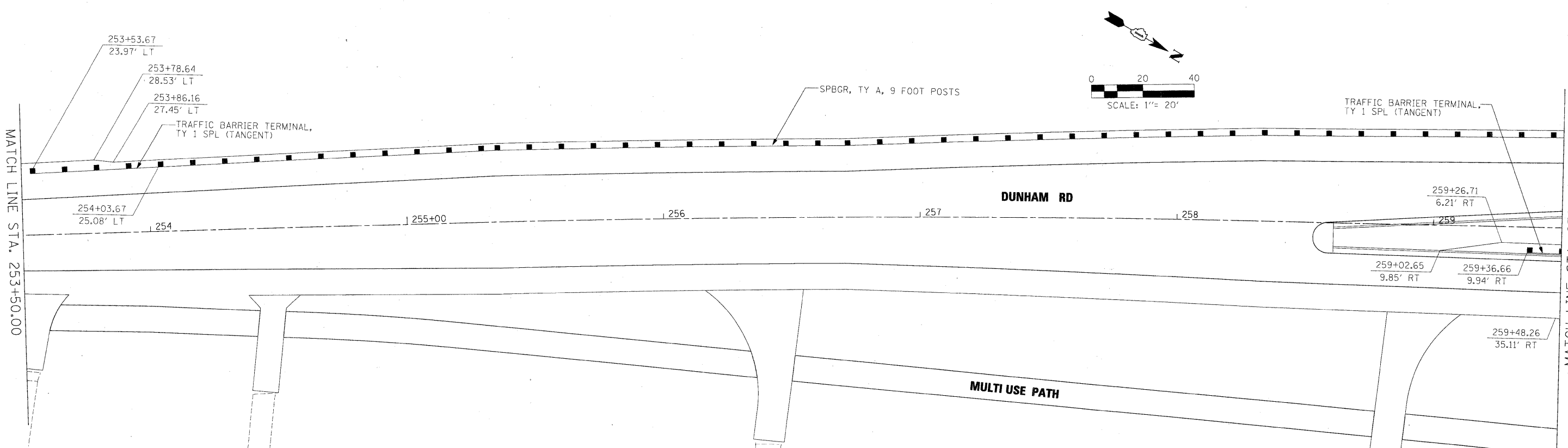
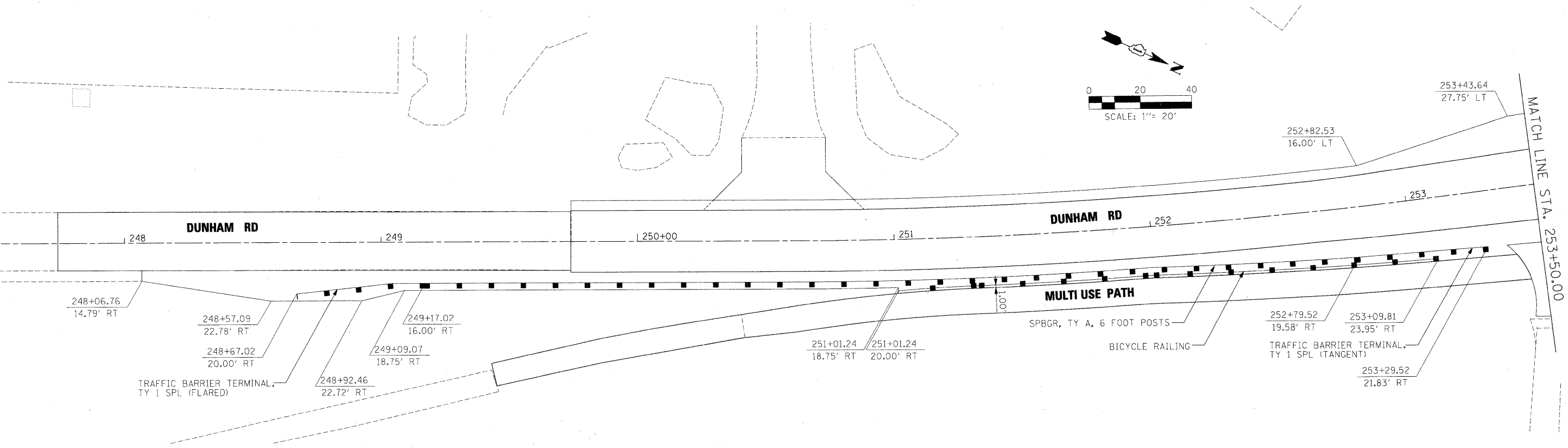
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	PLOT SCALE = 10.0000' / IN.	CHECKED - JNR	REVISED -		SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 3/30/2009	DATE = 3/31/09	REVISED -	REVISED -		CONTRACT NO. 63074							



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PLOT SCALE = 20.0000' / IN.		CHECKED - JNR	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63074		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
PLOT DATE = 3/30/2009		DATE - 3/31/09	REVISED -										



NOTES
 FOR BICYCLE RAILING DETAILS, SEE SHEET SS-20
 FOR STRUCTURE NO. 045-2035 IL-25 / STEARNS RD
 OVER BREWSTER CREEK.

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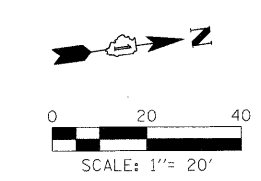
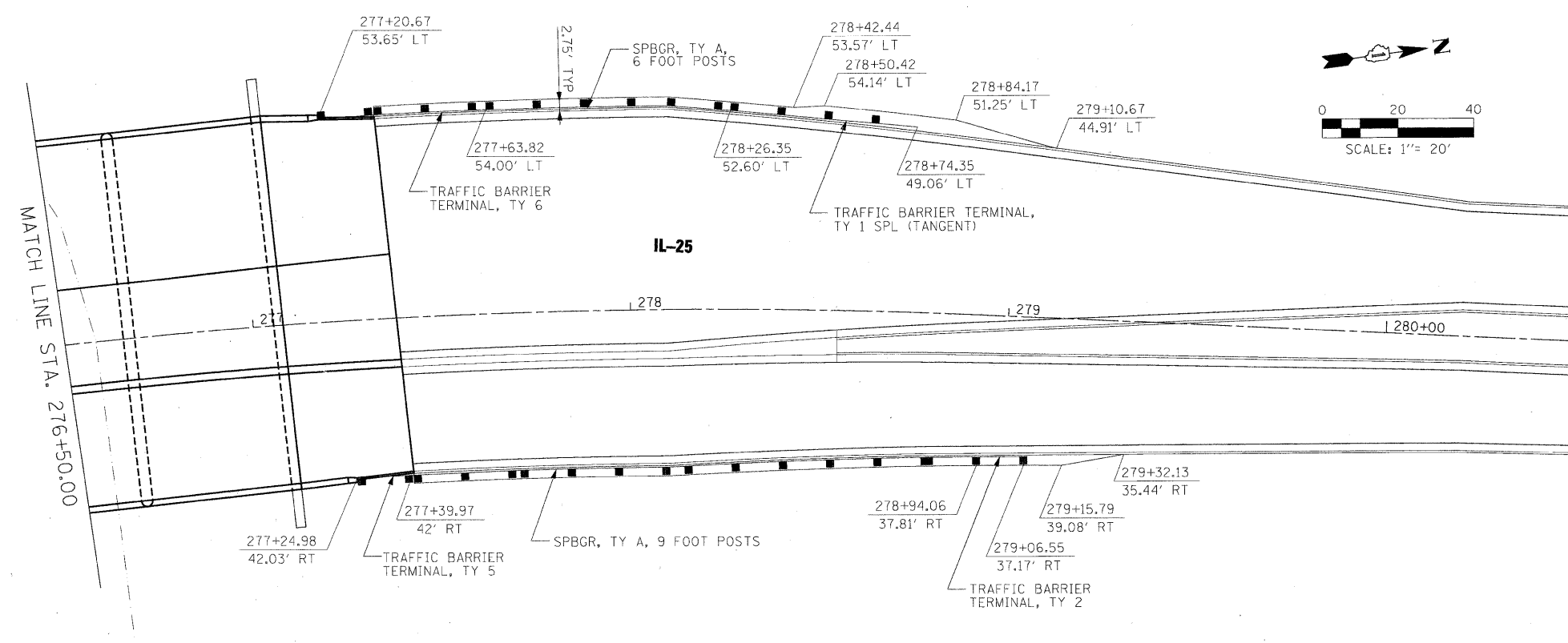
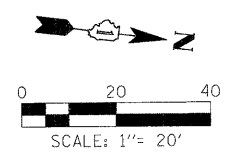
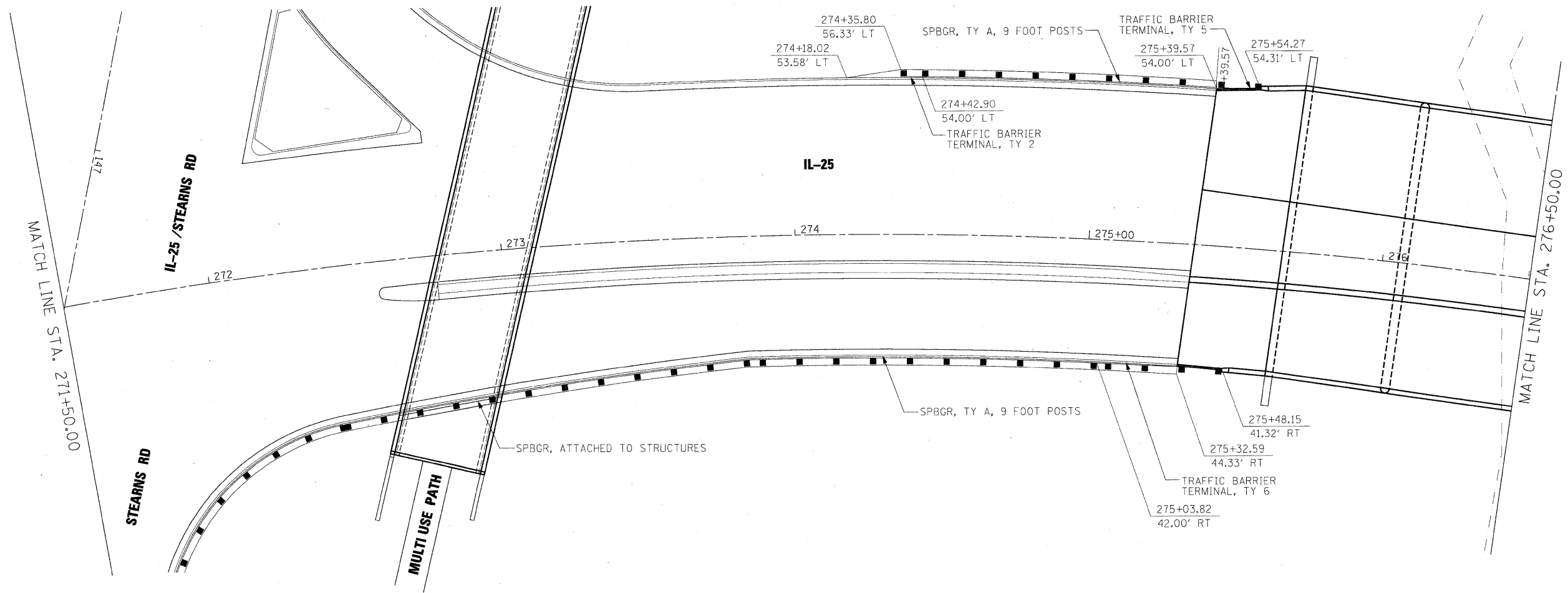
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**KANE COUNTY
 DIVISION OF TRANSPORTATION**

**DUNHAM ROAD
 GUARDRAIL DETAIL**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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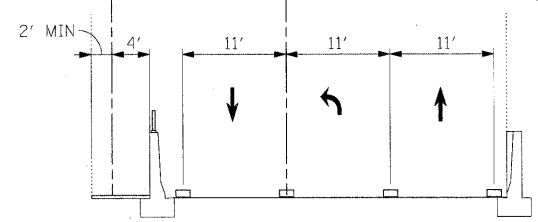
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	228
CONTRACT NO. 63074				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



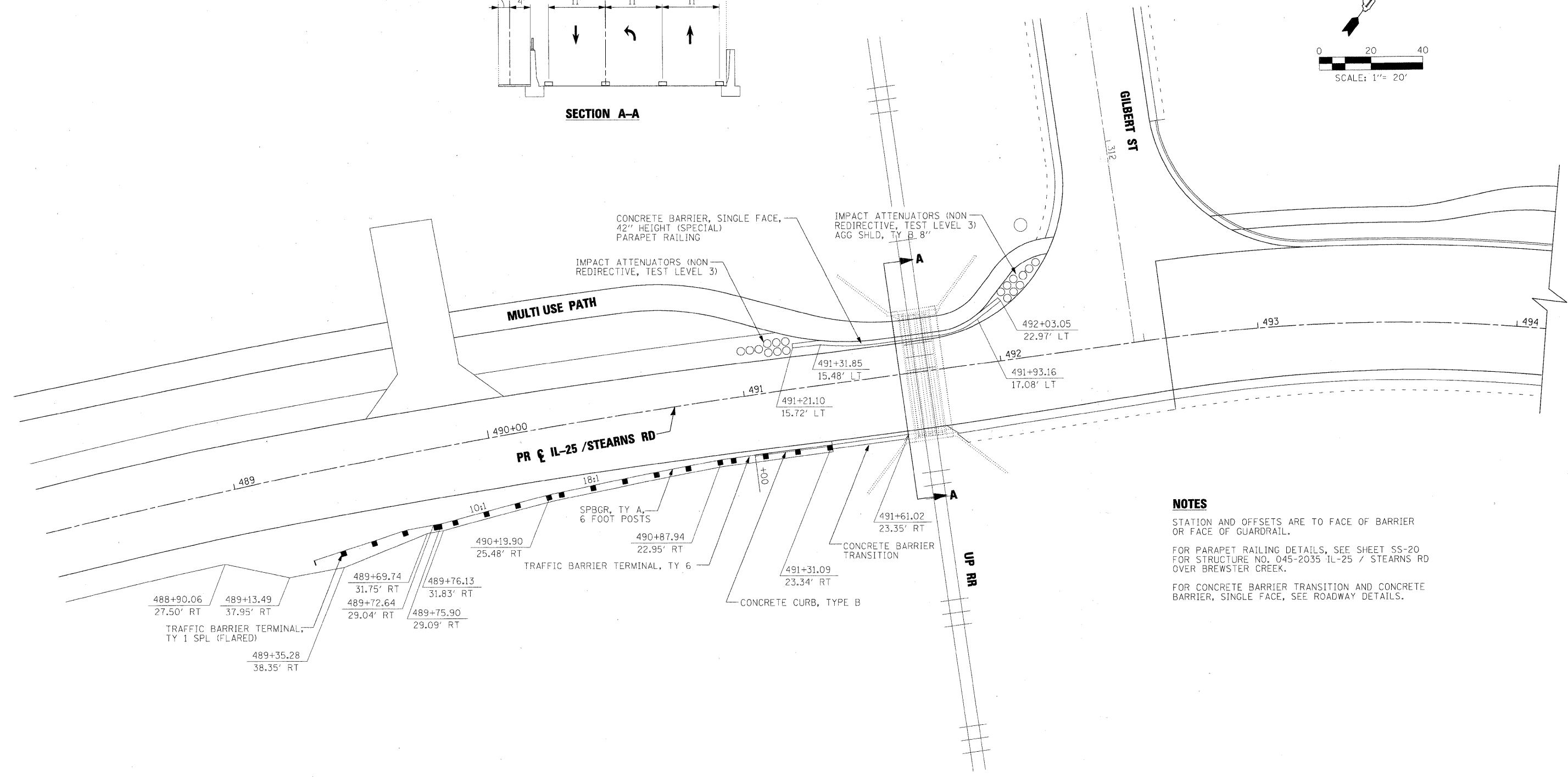
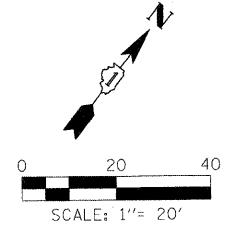
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		DRAWN - INS	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	361	06-00214-15-BR	KANE/DUPAGE	545	230
		CHECKED - JNR	REVISED -								CONTRACT NO. 63074				
		DATE - 3/31/09	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PR & MULTI USE PATH PR & IL 25 / STEARNS RD



SECTION A-A

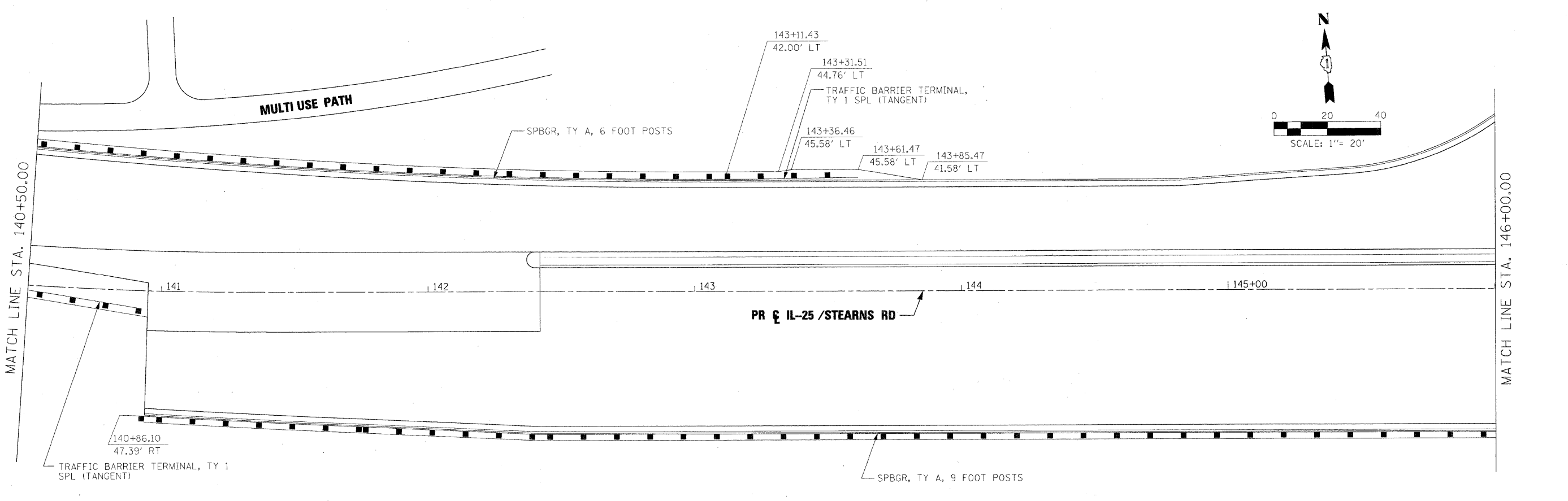
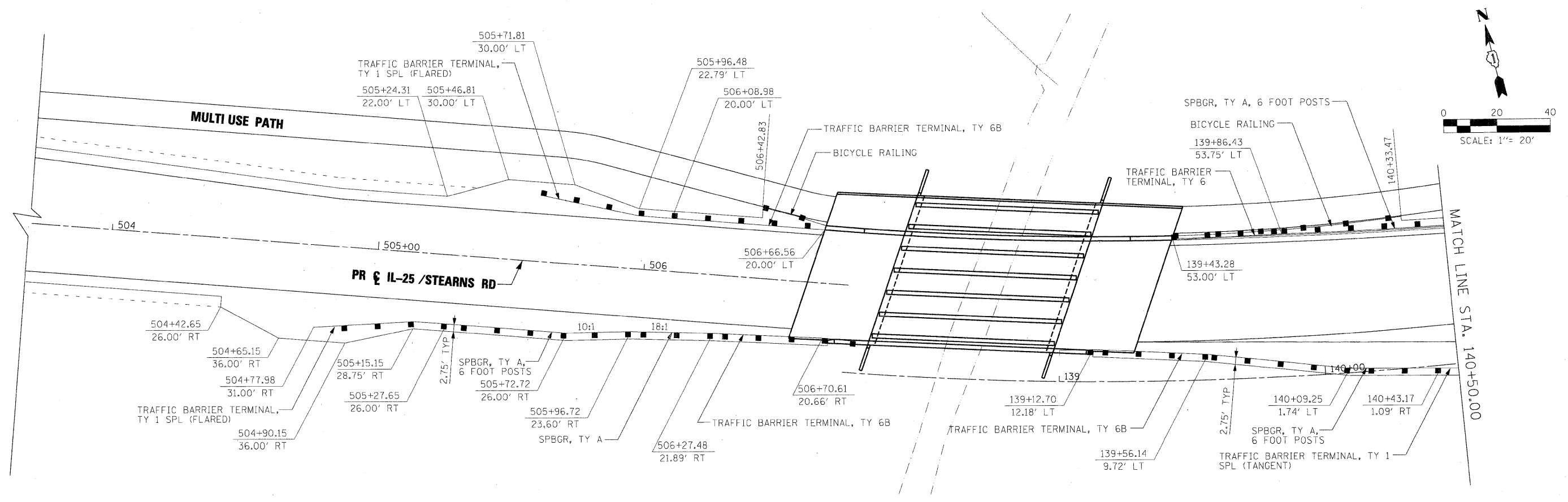


NOTES

STATION AND OFFSETS ARE TO FACE OF BARRIER OR FACE OF GUARDRAIL.
 FOR PARAPET RAILING DETAILS, SEE SHEET SS-20 FOR STRUCTURE NO. 045-2035 IL-25 / STEARNS RD OVER BREWSTER CREEK.
 FOR CONCRETE BARRIER TRANSITION AND CONCRETE BARRIER, SINGLE FACE, SEE ROADWAY DETAILS.

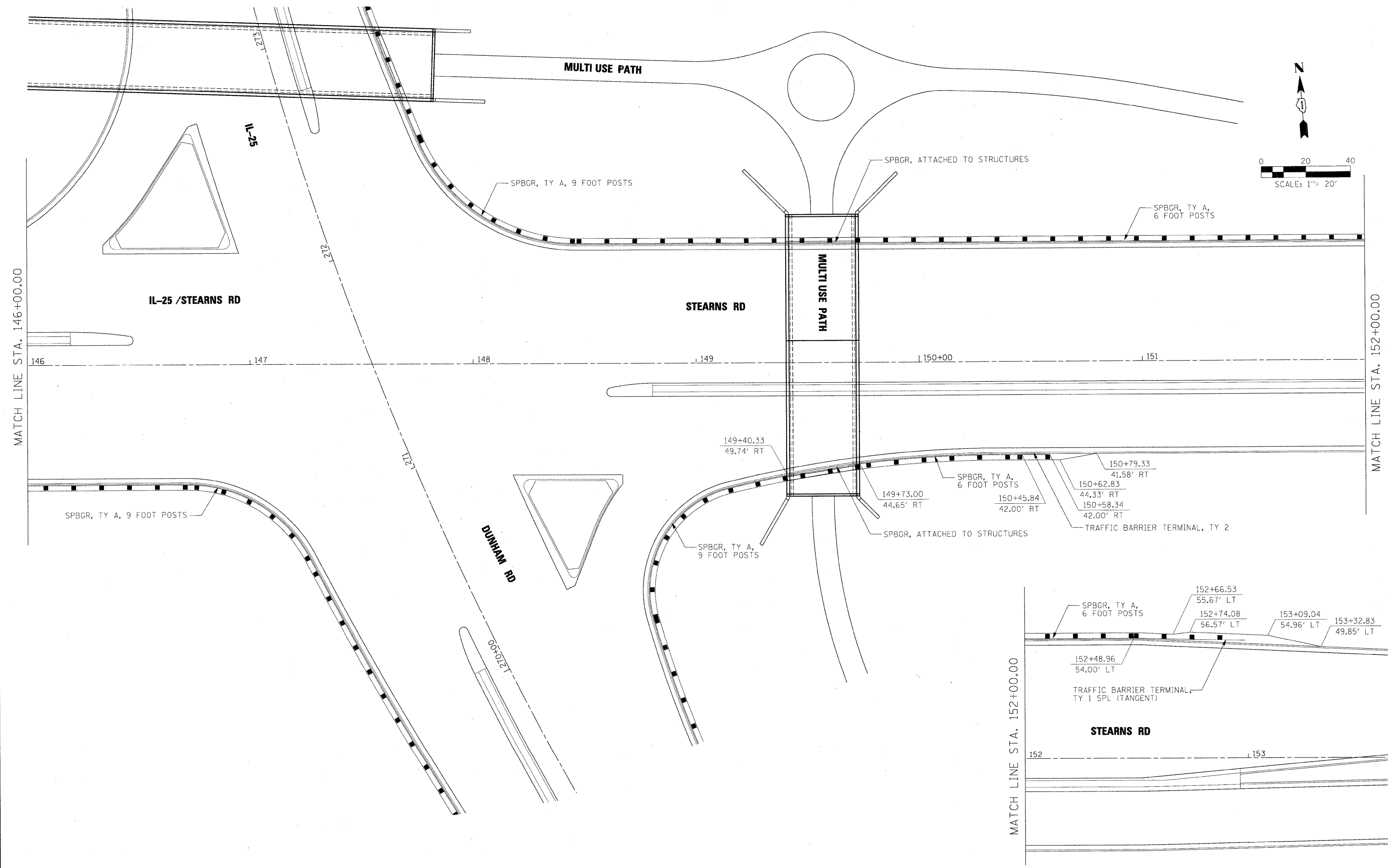
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PLOT DATE = 4/27/2009	DATE - 3/31/09	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



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\$FILES\$		DRAWN - INS	REVISED -					361	06-00214-15-BR	KANE/DUPAGE	545	232
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	PLOT DATE = 4/27/2009	DATE - 3/31/09	REVISED -					ILLINOIS FED. AID PROJECT				



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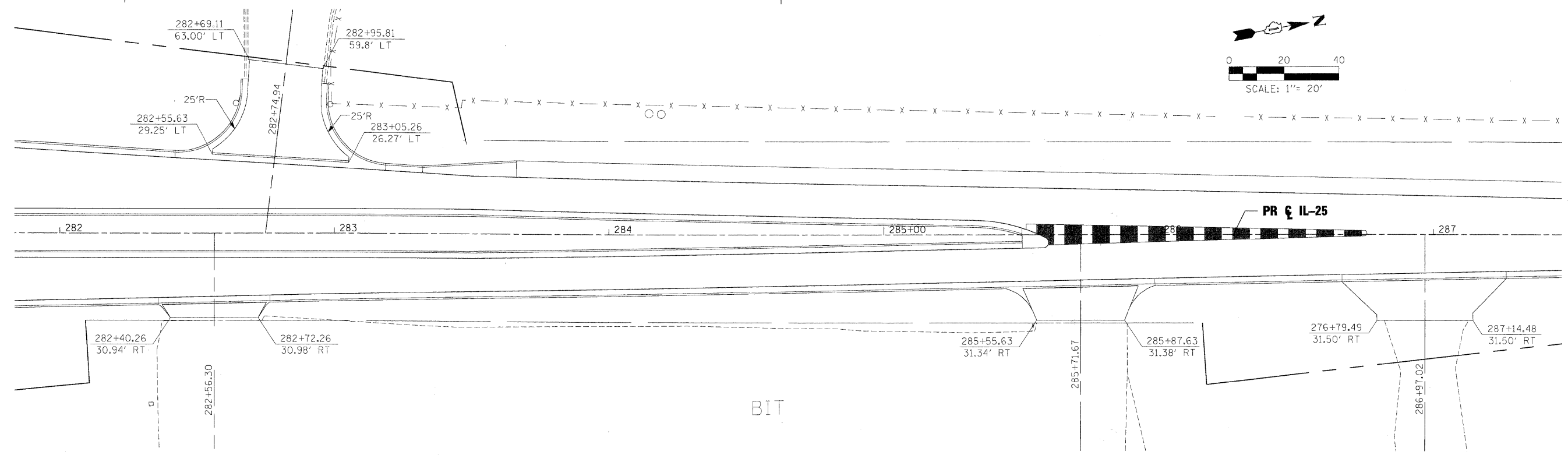
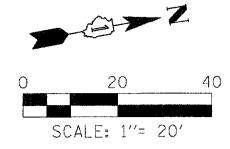
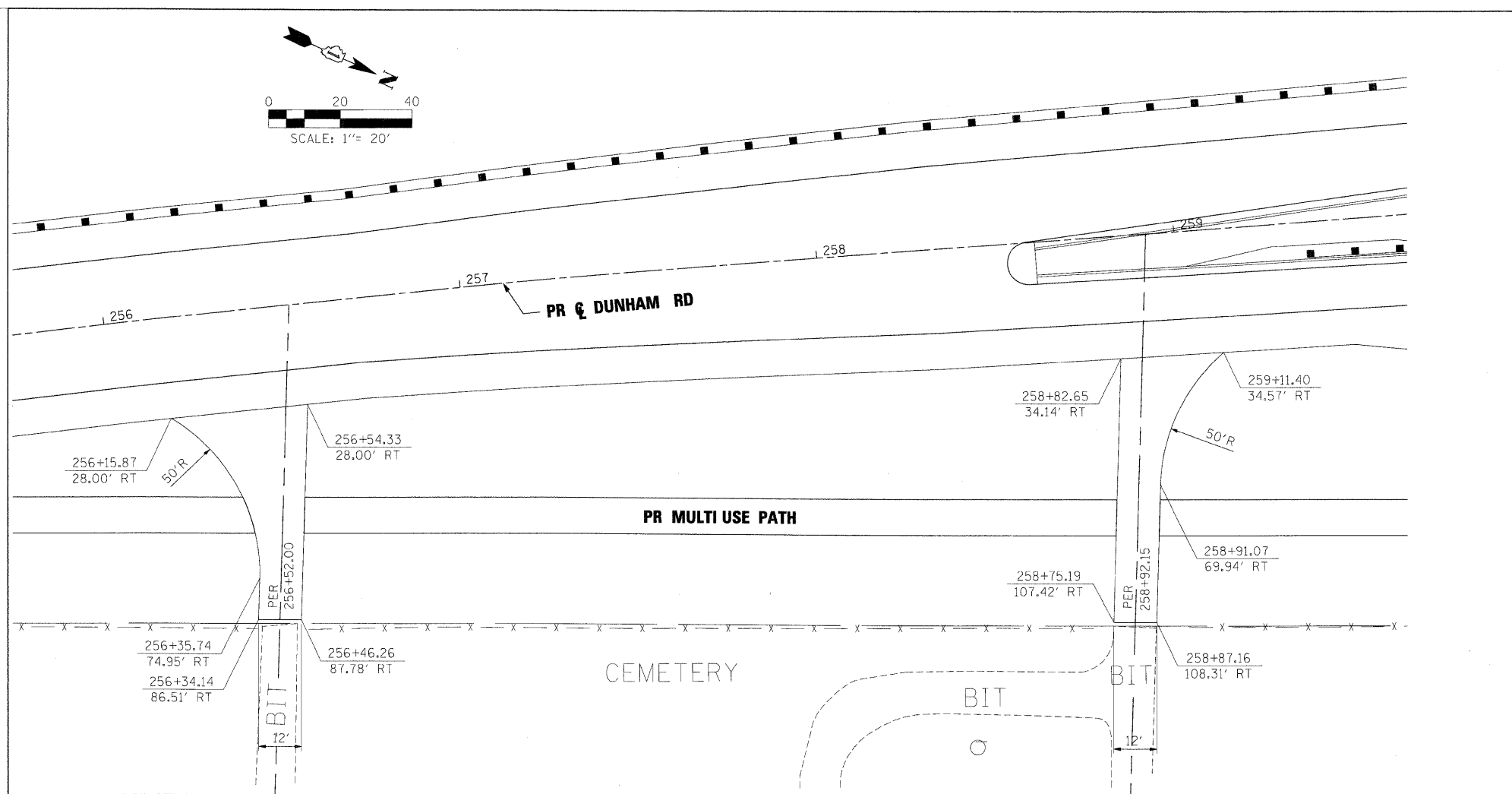
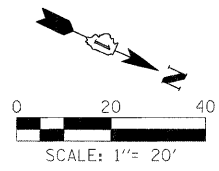
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PLOT DATE = 4/27/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY
 DIVISION OF TRANSPORTATION**

**IL 25 /STEARNS ROAD
 GUARDRAIL DETAIL**

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

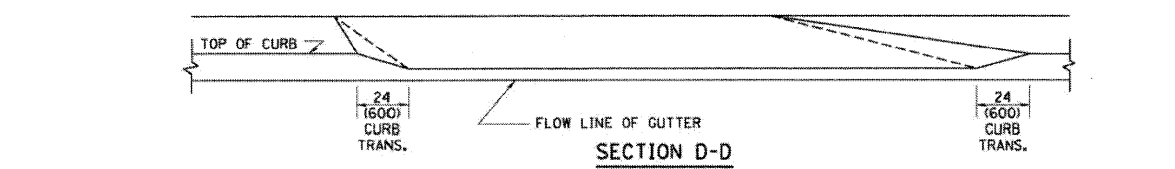
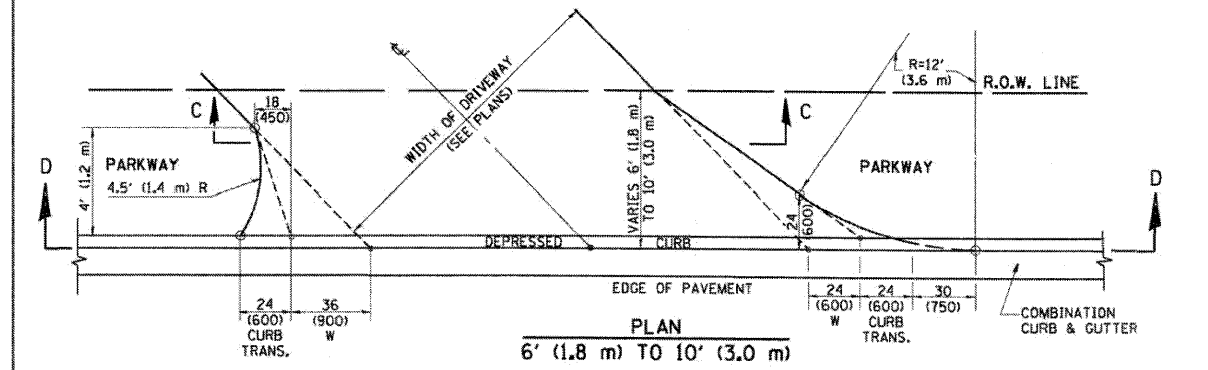
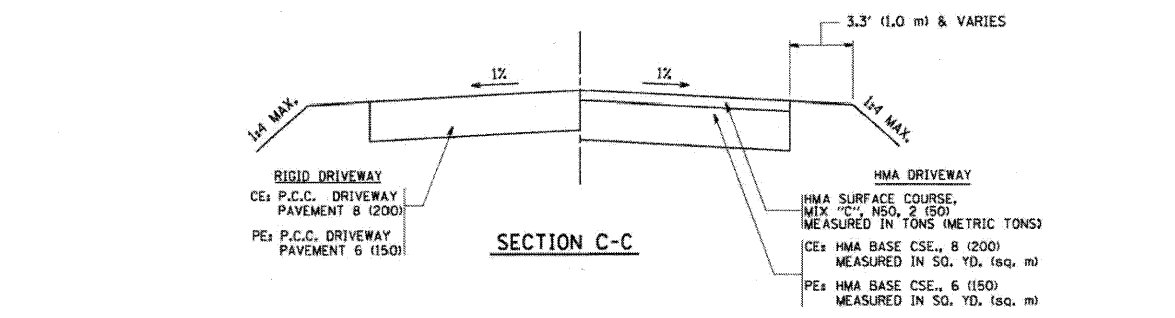
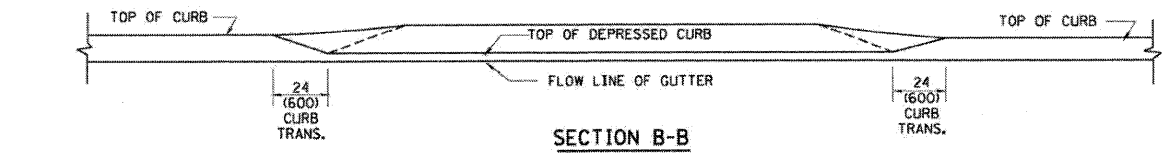
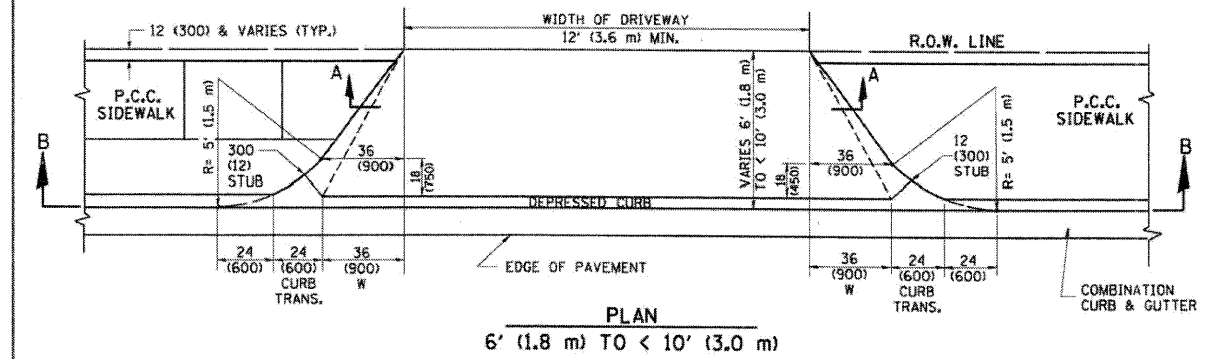
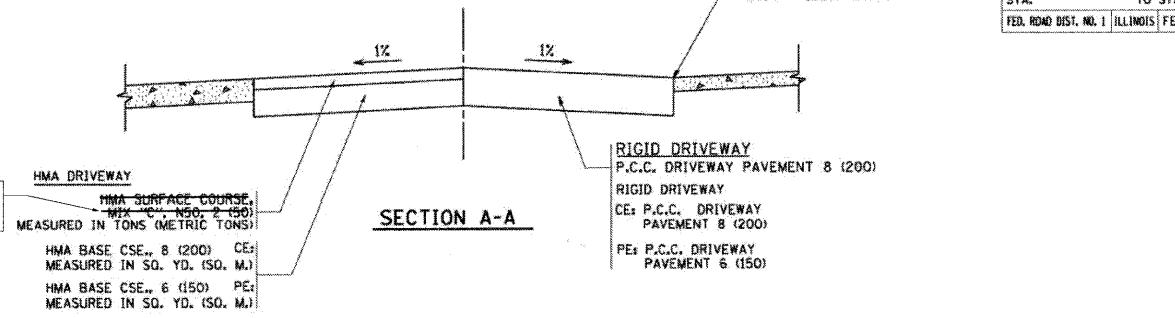
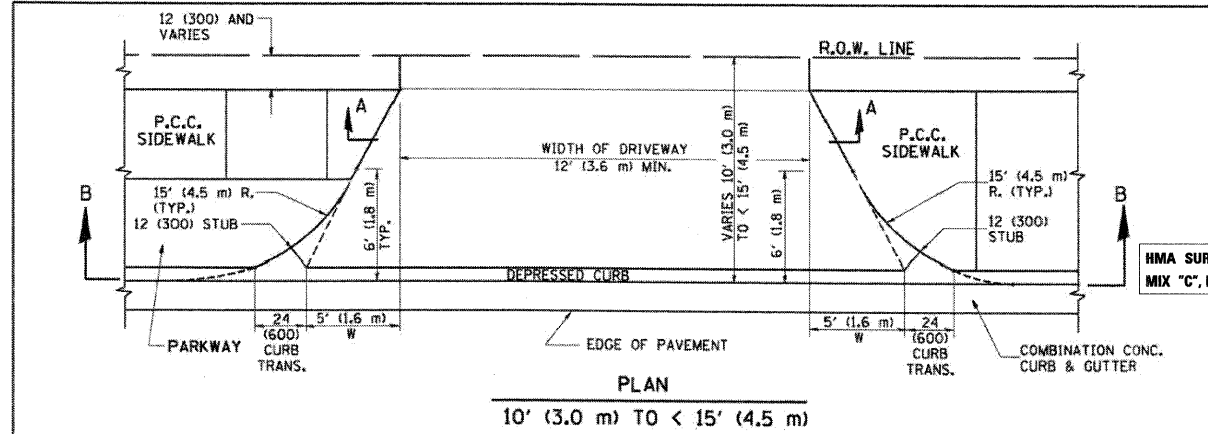
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	233
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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		DATE - 3/31/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

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

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

DRIVEWAY GEOMETRY TO BE PER THIS DETAIL UNLESS OTHERWISE SHOWN ON PLANS.

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

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

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

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

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

REVISIONS	
NAME	DATE
R. SHAH	11/06/95
H. POLLASTRINI	08/12/96
H. POLLASTRINI	12/14/98
A. ABBAS	03/21/97
T. HOLTZ	04/06/97
M. GOMEZ	04/06/01
P. LOFLEUR	04/15/03
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
 DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

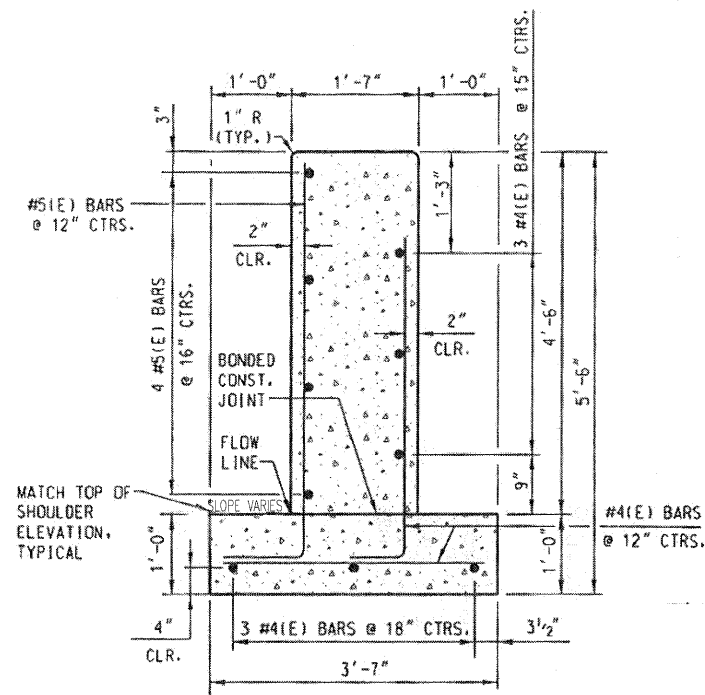
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 HORIZ. NONE
 DRAWN BY _____
 CHECKED BY _____

BD400-02 (80-02)

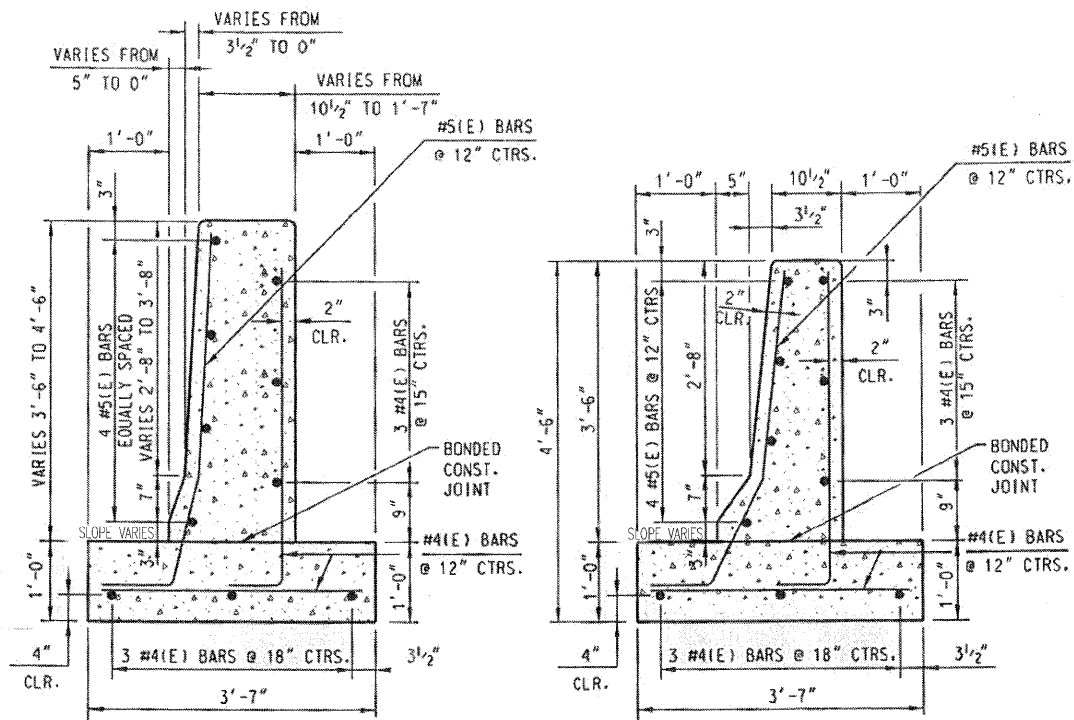
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		DATE - 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



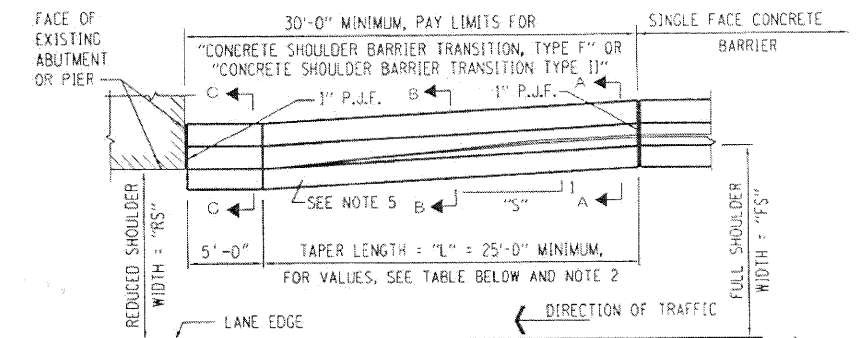
SECTION C-C



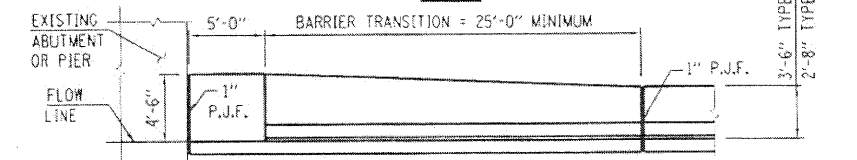
SECTION B-B

SECTION A-A

OUTSIDE SHOULDER BARRIER TRANSITION, TYPE F TYPE F BARRIER



PLAN

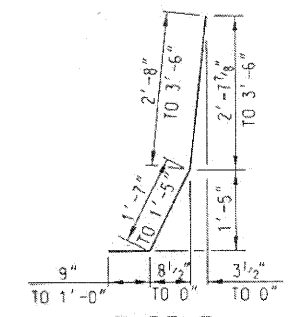


ELEVATION

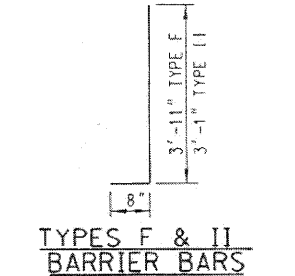
OUTSIDE SHOULDER BARRIER TRANSITION

TABLE FOR SHOULDER BARRIER TAPER LENGTH

DESIGN SPEED MPH	REDUCED SHLDR. WIDTH "RS" (FT.)	TAPER RATE "S":1	TAPER LENGTH="L" (SEE NOTE 4)
70	10' MINIMUM LESS THAN 10'	24:1 30:1	24 x (FS - RS) 30 x (FS - RS)
60	8' MINIMUM LESS THAN 8'	24:1 26:1	24 x (FS - RS) 26 x (FS - RS)
50	6.5' MINIMUM LESS THAN 6.5'	21:1 21:1	21 x (FS - RS) 21 x (FS - RS)



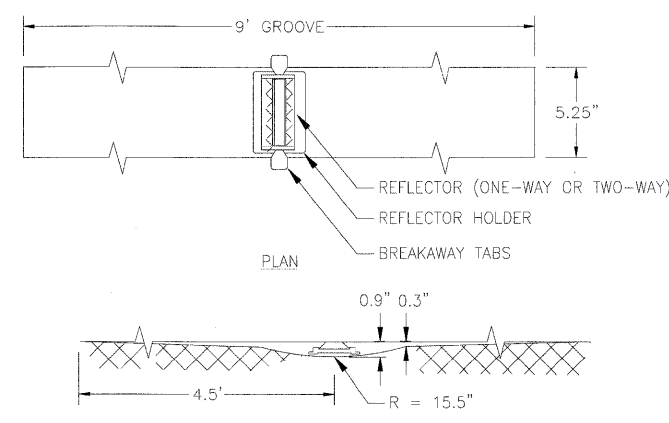
TYPE F BARRIER BARS



TYPES F & II BARRIER BARS

- NOTES:**
1. THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR "CONCRETE SHOULDER BARRIER TRANSITION, TYPE F" AND FOR "CONCRETE SHOULDER BARRIER TRANSITION, TYPE II" SHALL BE PAID FOR THE OUTSIDE SHOULDER BARRIER TRANSITION, TYPE F OR TYPE II SHOWN, RESPECTIVELY, IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS.
 2. TAPER LENGTH REQUIRED FOR THE WIDTH TRANSITION WILL BE 25'-0" MINIMUM. INCREASE TAPER RATE "S", AS REQUIRED TO OBTAIN THE LENGTH OF 25'-0".
 3. TOP SHOULDER EDGE OF BARRIER BASE GUTTER SHALL MATCH THE TOP OF SHOULDER ELEVATION.
 4. 1" DEEP CONTRACTION JOINTS SHALL BE CONSTRUCTED IN THE BARRIER WALL ONLY (NOT IN THE BARRIER BASE). THE LOCATION OF THE CONTRACTION JOINT SHALL MATCH CRACKS THAT HAVE ALREADY DEVELOPED IN THE BASE. CONTRACTION JOINTS SHALL ALSO BE CONSTRUCTED AT BOTH SIDES OF ALL DRAINAGE STRUCTURES. MAXIMUM JOINT SPACING SHALL BE 30 FEET.
 5. THE FORMING OF CONTRACTION JOINTS SHALL BE DONE WITH AN APPROVED FINISHING TOOL AT THE DISCRETION OF THE ENGINEER SUBJECT TO THE SATISFACTORY CONTROL OF CRACKING. THE SAWING OF CONTRACTION JOINTS IN THE BARRIER WALL SHALL NOT BE PERMITTED.
 6. REINFORCING BARS SHALL MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615), GRADE 60, AND SHALL CONFORM TO SECTION 508 OF THE STANDARD SPECIFICATIONS.
 7. REINFORCING BARS DESIGNATED "E" SHALL BE EPOXY COATED.
 8. REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 315, LATEST EDITION.
 9. REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.
 10. TYPE F BARRIER SHALL BE USED WITH ALL NEW CONSTRUCTION, OR RECONSTRUCTION OF EXISTING BARRIERS.

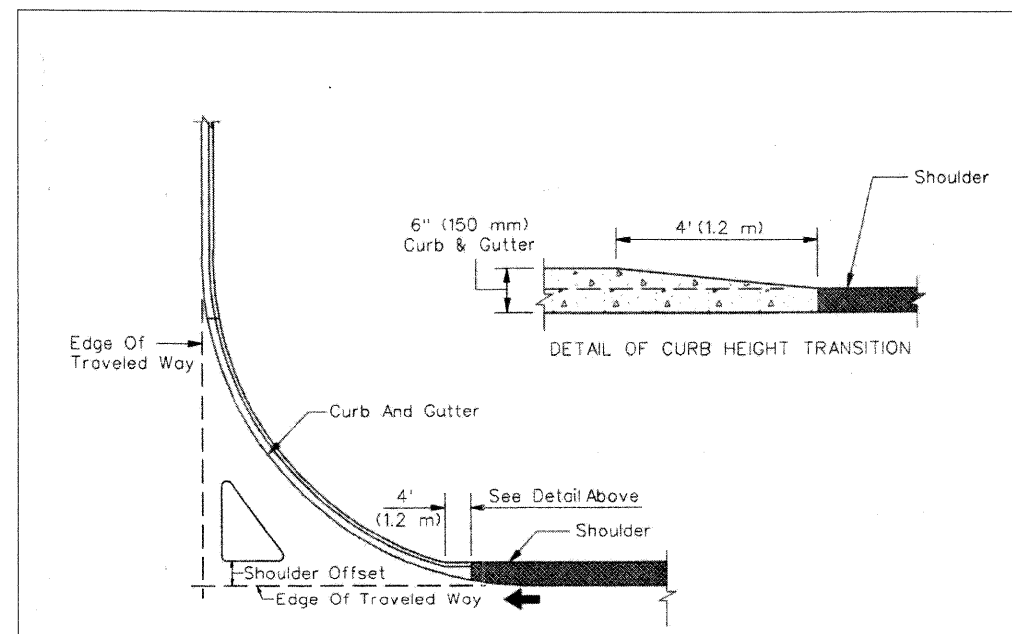
TYPICAL RECESSED REFLECTIVE PAVEMENT MARKERS



ELEVATION

NOTES

1. SAW CUT TO DIMENSIONS SHOWN.
2. SAW CUT AREAS ARE TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. REFLECTOR SHALL BE 3M SERIES 190 OR ENGINEER APPROVED EQUIVALENT.
5. THE REFLECTOR HOLDER SHALL BE A MARKERONE SERIES R100 REFLECTOR HOLDER OR ENGINEER APPROVED EQUIVALENT.
6. FOR 1-WAY MARKERS HEADING UPHILL, UPHILL GRIND TAPER MAY BE OMITTED.



DETAIL OF CURB HEIGHT TRANSITION

CURB TRANSITION INTO RURAL CROSS SECTION

CURB TRANSITIONS

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SIGNING SCHEDULE - GROUND MOUNTED SIGNS										
STATION	OFFSET (LT/RT/CL.)	SIGN NO. (MUTCD)	CLASSIFICATION (CONVENTIONAL / BIKEPATH)	SIZE (INCHES)		AREA (SQ FT)		MESSAGE OR SYMBOL	NO. OF POSTS	TELESCOPING STEEL SIGN SUPPORTS FT
				WIDTH	HEIGHT	TYPE 1	TYPE 2			
						LESS THAN 9'	9' < X < 24'			
KANE / DUPAGE COUNTY										
FAP 361										
II-25/STEARNS RD										
485+25.00	34 RT	W10-1	CONVENTIONAL	36				RAIL CROSSING WARNING	1	15.7
486+30.00	35 RT	R8-8	CONVENTIONAL	24	30	7.07		DO NOT STOP ON TRACKS (FLASHING BEACON)	1	15.8
487+10.00	33.5 LT	R8-8	CONVENTIONAL	24	30	5.00		DO NOT STOP ON TRACKS (FLASHING BEACON)	1	15.8
487+35.00	33.5 RT	D1-2	CONVENTIONAL	48	30		10.00	ARROW/SOUTH/ELGIN	2	28.9
488+80.00	33.5 LT	W10-1	CONVENTIONAL	36		7.07		RAIL CROSSING WARNING	1	16.2
492+45.00	30 RT	W1-7	CONVENTIONAL	48	24	8.00		TWOWAY DIRECTIONAL ARROW	1	15.3
493+25.00	35 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	14.3
494+00.00	30 RT	W10-11	CONVENTIONAL	36	36	9.00		TRUCK SIGN	1	15.8
495+00.00	37 RT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	17.6
497+38.00	40 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	15.0
498+00.00	40 RT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	15.6
498+75.00	40 LT	R2-2	CONVENTIONAL	30	30	6.25		3 WAY INTERSECTION	1	16.6
		D2-1	CONVENTIONAL	48	18	6.00		GILBERT ST		
499+35.00	28 LT	D1-2	CONVENTIONAL	48	30		10.00	SOUTH/ARROW/ELGIN	1	14.7
500+90.00	38.5 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	15.2
502+84.00	38.5 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	15.1
504+00.00	33 LT	W1-2(L)	CONVENTIONAL	30	30	6.25		DIRECTIONAL ARROW	1	14.5
506+00.00	30 LT	W10-11	CONVENTIONAL	36	36	9.00		TRUCK SIGN	1	15.0
140+00.00	3 RT	M1-5	CONVENTIONAL	24	24	4.00		ILLINOIS/25	1	13.2
		M6-1	CONVENTIONAL	21	15	2.19		DIRECTIONAL ARROW		
144+35.00	44 LT	W9-2	CONVENTIONAL	36	36	9.00		LANE ENDS/MERGE/RIGHT	1	14.4
144+55.00	12 LT	R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY	1	12.3
144+55.00	60 RT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	14.8
145+00.00	44 LT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	13.9
146+15.00	12 LT	R4-7	CONVENTIONAL	30	36	7.50		KEEP RIGHT	1	15.3
		R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY		
176+00.00	40.58 LT	TYPE 1	CONVENTIONAL	30	30	NA		OBJECT MARKERS	1	14.3
			CONVENTIONAL	30	30	NA		OBJECT MARKERS	1	14.3
IL 25										
272+80.00	12 RT	R4-7	CONVENTIONAL	30	36	7.50		KEEP RIGHT	1	13.3
		R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY		
274+50.00	44 RT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	14.0
278+00.00	50 RT	W9-2	CONVENTIONAL	36	36	9.00		LANE ENDS/MERGE/LEFT	1	15.8
278+10.00	58 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	16.8
280+50.00	39.5 LT	M1-5	CONVENTIONAL	24	24	4.00		ILLINOIS/25	1	12.8
		M6-1	CONVENTIONAL	21	15	2.19		DIRECTIONAL ARROW		
284+50.00	24 RT	M3-1	CONVENTIONAL	24	12	2.00		NORTH	1	12.2
		M1-5	CONVENTIONAL	24	24	4.00		ILLINOIS/25		
284+90.00	0 CL	W6-1	CONVENTIONAL	36	36	9.00		MEDIAN WARNING SIGN	1	14.8
286+00.00	21 RT	W6-2	CONVENTIONAL	36	36	9.00		MEDIAN WARNING SIGN	1	14.4
286+50.00	32 LT	R2-1	CONVENTIONAL	30	24	5.00		SPEED LIMIT 45	1	15.8
286+50.00	20.6 RT	R2-1	CONVENTIONAL	30	24	5.00		SPEED LIMIT 50	1	13.7
279+00.00	12 RT	R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY	1	12.3
TRAFFIC SIGNAL MOUNTED SIGNS										
491+43.77	28 RT	SIGN A	CONVENTIONAL	24	30	5.00		STOP AT LINE		
491+45.55	28 RT	SIGN A	CONVENTIONAL	24	30	5.00		STOP AT LINE		
492+19.93	45.82 LT	R10-11	CONVENTIONAL	24	30	5.00		NO TURN ON RED		
492+16.00	29.90 RT	R10-11	CONVENTIONAL	24	30	5.00		NO TURN ON RED		
146+32.00	15 LT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
146+45.00	84.40 LT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
147+11.74	58.20 RT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
147+41.00	85.57 LT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
147+63.35	58 RT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
148+36.00	15 RT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
148+40.00	59.20 RT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
148+55.70	61.40 LT	R10-5	CONVENTIONAL	24	30	5.00		LEFT ON GREEN ARROW ONLY		
146+20.00	72.30 RT	R10-11	CONVENTIONAL	24	30	5.00		NO TURN ON RED		
147+11.74	58.20 RT	R10-11	CONVENTIONAL	24	30	5.00		NO TURN ON RED		
148+40.12	59.20 RT	R10-11	CONVENTIONAL	24	30	5.00		NO TURN ON RED		
148+92.20	85.70 RT	R10-11	CONVENTIONAL	24	30	5.00		NO TURN ON RED		
147+11.74	58.20 RT	D2-1	CONVENTIONAL	60	18	7.50		STEARNS RD		
147+84.67	95.86 RT	D2-1	CONVENTIONAL	60	18	7.50		STEARNS RD		
492+15.99	30 RT	D2-1	CONVENTIONAL	60	18	7.50		STEARNS RD		
148+40.12	59.20 RT	D2-1	CONVENTIONAL	60	18	7.50		DUNHAM RD		
146+31.88	59.61 RT	D2-1	CONVENTIONAL	60	18	6.50		DUNHAM RD		
493+05.64	51.42 RT	D2-1	CONVENTIONAL	52	18	6.50		GILBERT ST		
492+20.00	45.82 LT	D2-1	CONVENTIONAL	52	18	6.50		GILBERT ST		
						371.00	20.00	TOTAL QUANTITY	37	546.0

x:\39003\3944\engineering_documents\pmt_mkg_sign\prp\prp_08C_pmksgsch.dgn

FILE NAME =	USER NAME = \$USER\$	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING SCHEDULE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#		DRAWN - VLM	REVISED -						361	06-00214-15-BR	KANE/DUPAGE	545	238
PLOT SCALE = 1:0000 / IN.		CHECKED - JNR	REVISED -						CONTRACT NO. 63074				
PLOT DATE = 4/27/2009		DATE - 3/31/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

SIGNING SCHEDULE - GROUND MOUNTED SIGNS

SIGNING SCHEDULE - GROUND MOUNTED SIGNS

STATION	OFFSET (LT/RT)	SIGN NO. (MUTCD)	CLASSIFICATION (CONVENTIONAL / BIKEPATH)	SIZE (INCHES)		AREA (SQ FT)		MESSAGE OR SYMBOL	NO. OF POSTS	TELESCOPING STEEL SIGN SUPPORTS FT
				WIDTH	HEIGHT	TYPE 1	TYPE 2			
				KANE COUNTY SIGNS TO BE FURNISHED AND INSTALLED BY KANE COUNTY (NOT IN CONTRACT)						
II-25/STEARNS RD										
489+65.00	57 LT	SIGN01	CONVENTIONAL	48	27	9.00		PENALTY/ FOR DUMPING ON/COUNTY PROP \$500/ FINE MAXIMUM	2	32.2
490+00.00	57 LT	SIGN03	CONVENTIONAL	45	21	6.56		PUBLIC PROP/COUNTY OF KANE/NO TRESPASS	2	33.1
500+40.00	58 LT	SIGN03a	CONVENTIONAL	21	24	3.50		SEC FPD/7N/500	1	13.8
500+53.00	30 RT	SIGN03a	CONVENTIONAL	21	24	3.50		SEC FPD/7N/479	1	13.8
502+50.00	37 RT	SIGN 3B	CONVENTIONAL	24	24	3.14		25/KANE/20	1	16.4
148+75.00	56 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	14.4
148+90.00	12 RT	R4-7	CONVENTIONAL	30	36	7.50		KEEP RIGHT	1	15.3
		R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY		
151+00.00	44 RT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	15.9
		R5-1101	CONVENTIONAL	24	30	5.00		BEGIN CLASS II TRUCK ROUTE		
152+50.00	56 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	14.4
152+50.00	12 RT	R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY	1	12.3
156+00	38 LT	D3-2M	CONVENTIONAL	51	18	6.38		DUNHAM RD	1	15.9
		M1-5	CONVENTIONAL	24	24	4.00		ILLINOIS/25		
158+00.00	38 LT	M6-6	CONVENTIONAL	21	15	2.19		DIRECTIONAL ARROW	1	15.2
		R5-1101	CONVENTIONAL	24	30	5.00		END CLASS II TRUCK ROUTE		
160+00.00	38 LT	D1-3	CONVENTIONAL	60	24		10.00	ST.CHARLES/ELGIN	1	13.4
161+00.00	38 RT	W2-2	CONVENTIONAL	30	30	6.25		3 WAY INTERSECTION	1	13.3
		W17-1100	CONVENTIONAL	56	9	3.50		OLD STEARNS RD		
162+00.00	38 LT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	16.4
163+20.00	0 CL	R4-7	CONVENTIONAL	30	36	7.50		KEEP RIGHT	1	14.8
DUNHAM RD										
400+50.00	30 RT	W11-7	CONVENTIONAL	30	30	6.25		EQUESTRIAN CROSSING	1	15.3
		W16-2	CONVENTIONAL	24	18	3.00		500 FEET		
		W11-7	CONVENTIONAL	30	30	6.25		EQUESTRIAN CROSSING	1	14.8
405+50.00	30 RT	W16-2	CONVENTIONAL	24	12	2.00		ARROW		
		W11-7	CONVENTIONAL	30	30	6.25		EQUESTRIAN CROSSING	1	14.8
		W16-7P	CONVENTIONAL	24	12	2.00		ARROW		
250+90.00	31 LT	SIGN03a	CONVENTIONAL	21	24	3.50		SEC FPD/7N/003	1	11.3
251+00.00	22 LT	W11-7	CONVENTIONAL	30	30	6.25		EQUESTRIAN CROSSING	1	14.6
		W16-7P	CONVENTIONAL	21	27	3.94		NEXT 2 MILES		
253+50.00	26 LT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	13.1
256+00.00	34 LT	W6-2	CONVENTIONAL	36	36	9.00		MEDIAN WARNING SIGN	1	15.0
256+60.00	34 RT	D1-3	CONVENTIONAL	60	24		10.00	ARROW/ELGIN/ARROW/ST.CHARLES	1	14.1
			CONVENTIONAL	84	30		17.50	STEARNS ROAD		
256+75.00	34 LT	SIGN09	CONVENTIONAL	45	45		14.06	ADOPT/A HIGHTWAY/WILDLIFE SERVICE	1	14.4
		SIGN10	CONVENTIONAL	45	9	2.81		NEXT 1.8 MILES		
258+80.00	5.5 RT	R3-5	CONVENTIONAL	30	36	7.50		LEFT TURN ONLY	1	21.7
		R4-7	CONVENTIONAL	30	36	7.50		KEEP RIGHT		
260+00.00	43 RT	M1-5	CONVENTIONAL	24	24	4.00		ILLINOIS/25	1	14.3
		M6-6	CONVENTIONAL	21	15	2.19		DIRECTIONAL ARROW		
261+00.00	45 LT	M3-3	CONVENTIONAL	24	12	2.00		SOUTH	1	14.6
		M1-6	CONVENTIONAL	36	36	9.00		KANE/29/COUNTY		
		W17-1100	CONVENTIONAL	42	9	2.63		DUNHAM RD		
264+50	56 RT	D3-2M	CONVENTIONAL	51	18	6.38		STEARNS RD	1	15.9
267+34.00	12 LT	R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY	1	12.3
267+34.00	67 RT	R3-5	CONVENTIONAL	30	36	7.50		LEFT TURN ONLY	1	14.9
268+00.00	44 LT	W9-2	CONVENTIONAL	36	36	9.00		LANE ENDS/MERGE/LEFT	1	14.5
269+00.00	49 LT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	13.9
270+00.00	12 LT	R4-7	CONVENTIONAL	30	36	7.50		KEEP RIGHT	1	25.6
		R3-8	CONVENTIONAL	30	30	6.25		TWO LEFT TURN ONLY	1	
284+30.00	24 RT	SIGN03a	CONVENTIONAL	21	27	3.94		SEC FPD/ 7N / 479	1	13.5
GILBERT ST										
306+00.00	19 RT	W11-1	CONVENTIONAL	30	30	6.25		BIKE SIGN	1	14.5
311+30.00	17 LT	SIGN03A	CONVENTIONAL	21	27	3.94		SEC FPD/33W/800	1	14.1
312+00.00	32 RT	W11-1	CONVENTIONAL	21	15	2.19		DIRECTIONAL ARROW	1	14.7
		M6-2	CONVENTIONAL	30	30	6.25		BIKE SIGN		
OLD STEARNS RD										
808+00.00	22 LT	W14-1	CONVENTIONAL	24	24	4.00		DEAD END	1	15.0
808+10.00	22 RT	R1-1	CONVENTIONAL	30	30	6.25		STOP	1	15.5

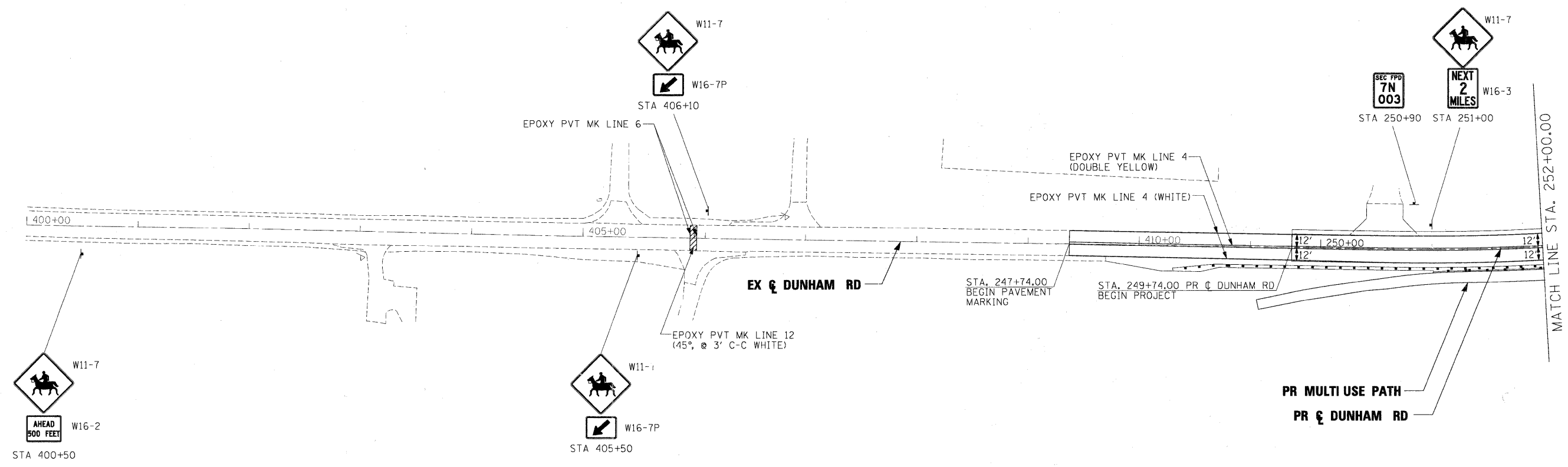
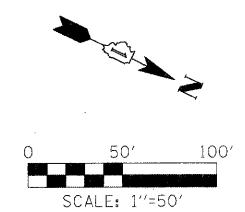
STATION	OFFSET (LT/RT)	SIGN NO. (MUTCD)	CLASSIFICATION (CONVENTIONAL / BIKEPATH)	SIZE (INCHES)		AREA (SQ FT)		MESSAGE OR SYMBOL	NO. OF POSTS	TELESCOPING STEEL SIGN SUPPORTS FT
				WIDTH	HEIGHT	TYPE 1	TYPE 2			
				KANE COUNTY SIGNS TO BE FURNISHED AND INSTALLED BY KANE COUNTY (NOT IN CONTRACT)						
MULTI-USE PATH										
581+50.00	12 LT	W10-1	BIKE PATH		30	4.91		RAIL CROSSING WARNING	1	14.5
581+75.00	7.6 RT	W5-4a	BIKE PATH	30	30	6.25		BIKEWAY NARROW	2	26.2
		W3-2	BIKE PATH	48	16	5.33		YIELD TO ONCOMING TRAFFIC		
583+75.00	7 RT	R1-2	BIKE PATH	24	24	4.00		YIELD	1	13.8
		R1-2A	BIKE PATH	24	24	4.00		TO ONCOMING TRAFFIC		
589+35.00	10 LT	W5-4a	BIKE PATH	30	30	6.25		BIKEWAY NARROW	1	15.1
605+25.00	12 RT	W2-6	BIKE PATH	24	24	4.00		ROUNDABOUT	1	12.0
		SIGN04	BIKE PATH	24	12	2.00		ROUNDABOUT AHEAD		
607+50.00	12 RT	W3-2A	BIKE PATH	24	24	4.00		YIELD TO ONCOMING TRAFFIC	1	13.8
611+00.00	12 RT	R1-2	BIKE PATH	24	24	4.00		YIELD	1	13.8
611+42.00	5.5 RT	W1-8	BIKE PATH	12	18	1.50		CHEVERON	1	13.3
611+66.00	5.5 RT	W1-8	BIKE PATH	12	18	1.50		CHEVERON	1	13.3
611+54.50	16 RT	W1-8	BIKE PATH	12	18	1.50		CHEVERON	1	13.3
612+00.00	13 LT	R1-2	BIKE PATH	24	24	4.00		YIELD	1	14.0
917+00.00	15 RT	R1-2	BIKE PATH	24	24	4.00		YIELD	1	13.8
914+75.00	12 RT	W3-2A	BIKE PATH	24	24	4.00		YIELD TO ONCOMING TRAFFIC	1	13.8
912+50.00	12 RT	W2-6	BIKE PATH	24	24	4.00		ROUNDABOUT	1	15.0
		SIGN04	BIKE PATH	24	12	2.00		ROUNDABOUT AHEAD		
612+50.00	12 RT	W14-2(b)	BIKE PATH	24	24	4.00		PATH ENDS	1	12.1
		W16-3a	BIKE PATH	27	9	1.69		1/2 MILE		
614+25.00	12 LT	W2-6	BIKE PATH	24	24	4.00		ROUNDABOUT	1	12.7
		SIGN04	BIKE PATH	24	12	2.00		ROUNDABOUT AHEAD		
100+10.00	14 LT	R1-1	BIKE PATH	30	30	6.25		STOP	1	14.3
								TOTAL QUANTITY	61	879.0

x:\39020a\3944\engineering_documents\Fvmt_mko_sign\prip_in_ABC_omr-ksgnch2.dgn

SIGNING SCHEDULE - GROUND MOUNTED SIGNS										
STATION	OFFSET (LT/RT/)	SIGN NO. (MUTCD)	CLASSIFICATION (CONVENTIONAL / BIKEPATH)	SIZE (INCHES)		AREA (SQ FT)		MESSAGE OR SYMBOL	NO. OF POSTS	TELESCOPING STEEL SIGN SUPPORTS FT
				WIDTH	HEIGHT	TYPE 1	TYPE 2			
				KANE / DUPAGE COUNTY FAP 361						
DUPAGE COUNTY SIGNS TO BE FURNISHED AND INSTALLED BY DUPAGE COUNTY (NOT IN CONTRACT)										
II-25/STEARNS RD										
165+15.00	41 LT	M1-6	CONVENTIONAL	36	36	9.00		DUPAGE/29/COUNTY	1	15.7
		M4-8b	CONVENTIONAL	21	15	2.19		END		
		SIGN06	CONVENTIONAL	36	24	6.00		KANE/COUNTY		
166+15.00	38 RT	M1-6	CONVENTIONAL	36	36	9.00		DUPAGE/29/COUNTY	1	15.7
		M4-8b		21	15	2.19		BEGIN		
		SIGN07		36	24	6.00		DUPAGE/COUNTY		
168+00.00	38 RT	W11-3	CONVENTIONAL	30	30	6.25		DEER CROSSING	1	14.0
171+00.00	31 LT	W2-2	CONVENTIONAL	30	30	6.25		3 WAY INTERSECTION	1	13.4
		W7-100	CONVENTIONAL	56	9	3.50		OLD STEARNS RD		
172+50.00	48 LT	SIGN 7A	CONVENTIONAL	45	21	6.56		PROPERTY/OF KANE COUNTY/NO TRESPASS	1	13.6
178+00.00	41 RT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 50	1	14.1
181+00.00	47.1 LT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 45	1	16.2
188+66.00	56 LT	R3-5	CONVENTIONAL	30	36	7.50		RIGHT TURN ONLY	1	15.3
192+00.00	41 LT	W11-3	CONVENTIONAL	30	30	6.25		DEER CROSSING	1	14.7
192+00.00	42.5 RT	R2-1	CONVENTIONAL	24	30	5.00		SPEED LIMIT 50	1	15.6
						86.00	0.00	TOTAL QUANTITY	10	149.0

x:\3900a\3944\engineering_documents\pvmnt_mkg_sign\pvmnt_mkg_sign\ABC_pmk\ksgsch3.dgn

FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING SCHEDULE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - VLM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	361	06-00214-15-BR	KANE/DUPAGE	545 240
		CHECKED - JNR	REVISED -		CONTRACT NO. 63074									
		DATE - 3/31/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

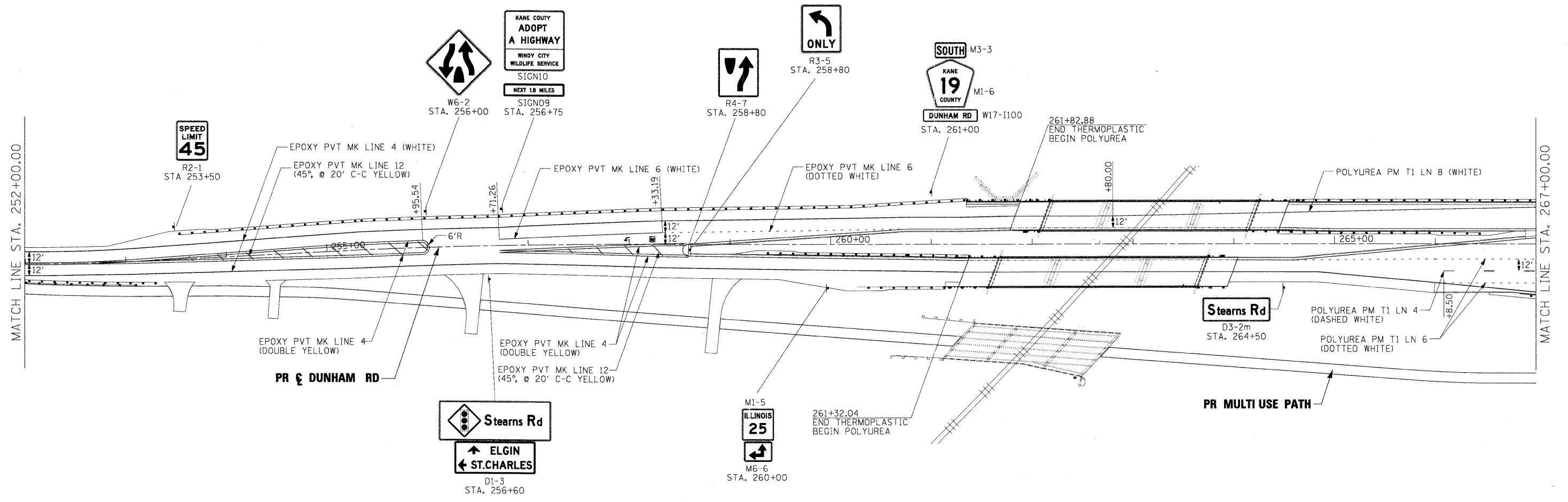
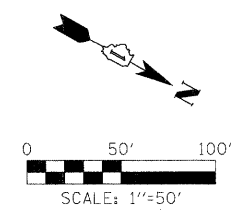


NOTE:
 ALL SIGNS ON THIS SHEET FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

LEGEND	
	DOUBLE LINE - 11" C-C
	DOTTED LINE - 2' LINE WITH 6' SKIP
	DASHED LINE - 10' LINE WITH 30' SKIP
	SOLID LINE
	ONE-WAY AMBER MARKER
	ONE-WAY CRYSTAL MARKER
	TWO-WAY AMBER MARKER

x:\3900s\3944\engineering\documents\pvt_mkg_sign\prpln_ABC_DUN_pmr-ksgr_01.dgn

FILE NAME = #FILES*	USER NAME = #USER*	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING DUNHAM ROAD			F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 241	
	PLOT SCALE = 50.0000' / IN.	CHECKED - JNR	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 249+74.00 TO STA. 252+00.00	CONTRACT NO. 63074		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/30/2009	DATE = 3/31/09	REVISED -										

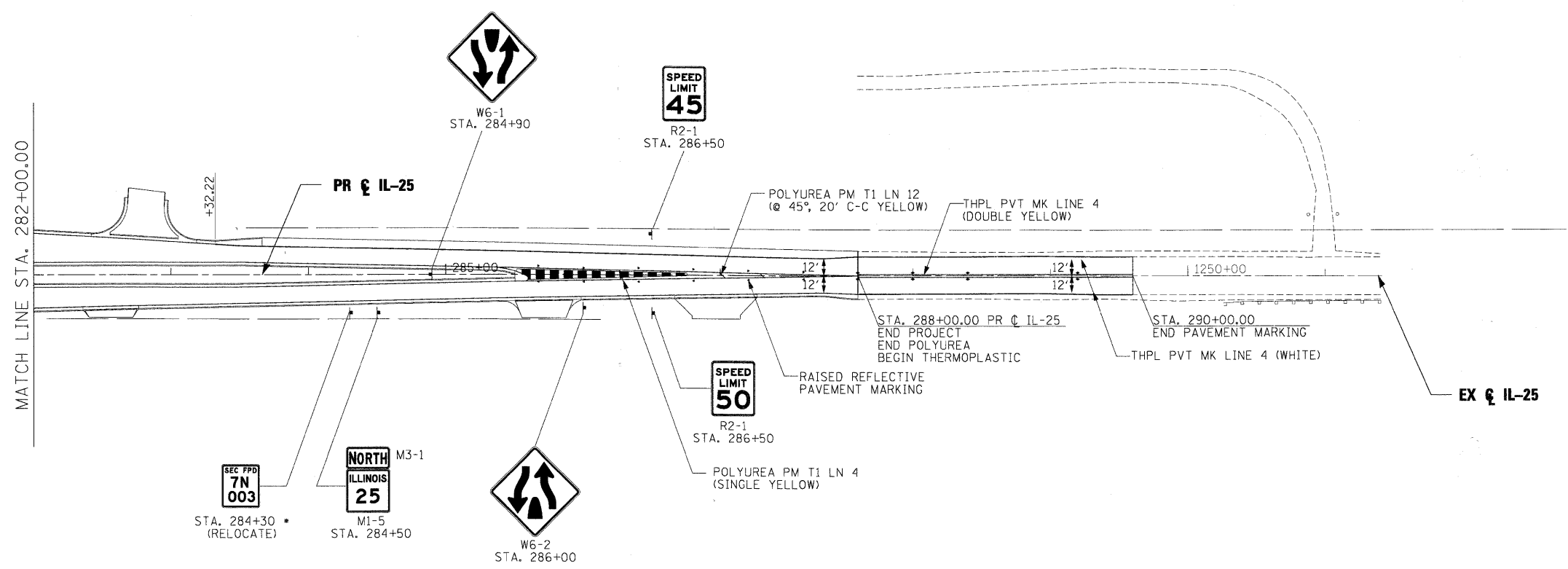
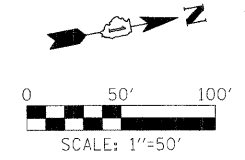


NOTE:
 ALL SIGNS ON THIS SHEET FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

LEGEND	
	DOUBLE LINE - 11" C-C
	DOTTED LINE - 2' LINE WITH 6' SKIP
	DASHED LINE - 10' LINE WITH 30' SKIP
	SOLID LINE
	ONE-WAY AMBER MARKER
	ONE-WAY CRYSTAL MARKER
	TWO-WAY AMBER MARKER

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FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING DUNHAM ROAD			F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 242
	PLOT SCALE = 50.0000' / IN.	DRAWN - VLM	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 252+00.00 TO STA. 267+00.00	CONTRACT NO. 63074				
	PLOT DATE = 3/30/2009	CHECKED - JNR	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 3/31/09	REVISED -									

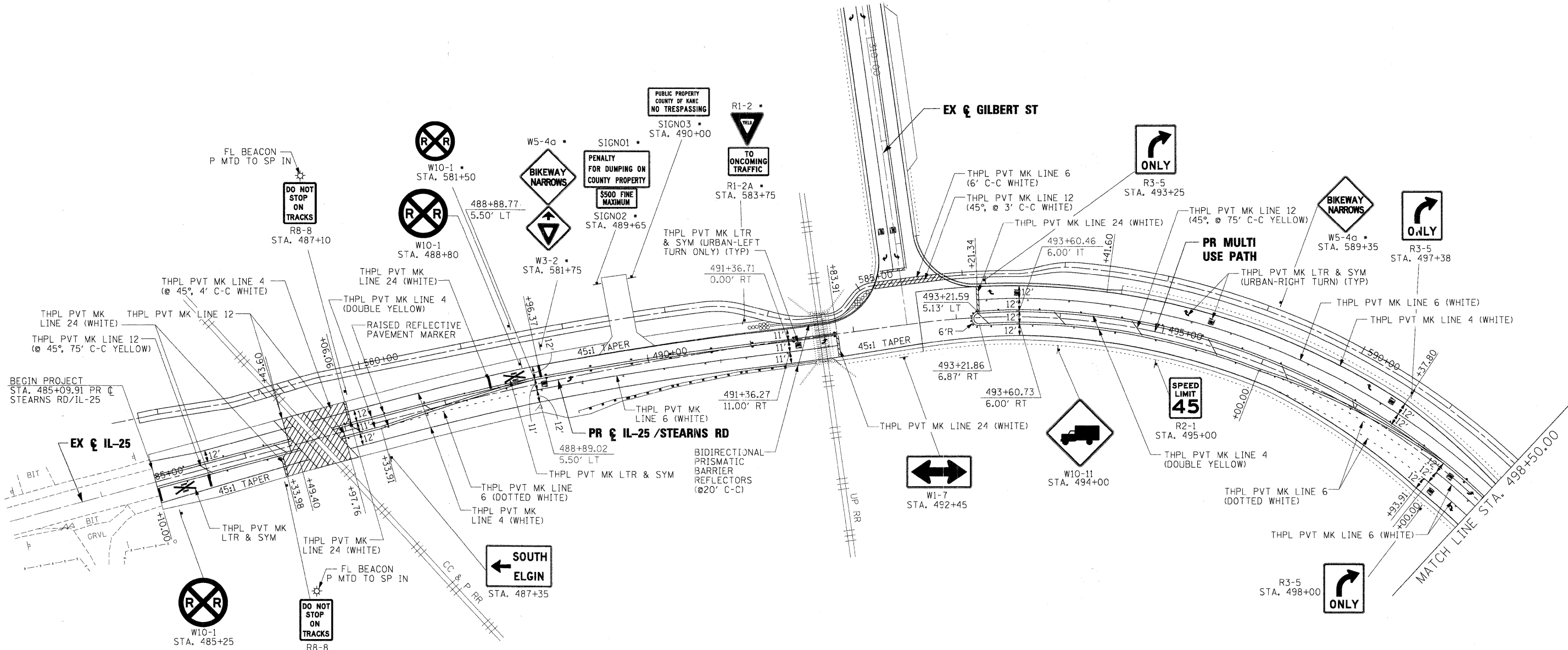
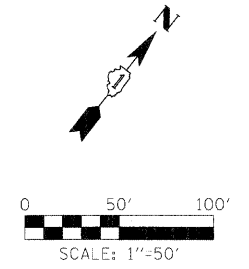


* SIGNS FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

LEGEND				
	DOUBLE LINE - 11" C-C			
	DOTTED LINE - 2' LINE WITH 6' SKIP			
	DASHED LINE - 10' LINE WITH 30' SKIP			
	SOLID LINE			
	ONE-WAY AMBER MARKER			
	ONE-WAY CRYSTAL MARKER			
	TWO-WAY AMBER MARKER			

x:\3900\3944\engineering_documents\pvt.mka_sign\prp\prn.ABC.DUN_pm\ksgr_04.dgn

FILE NAME =	USER NAME = *USER*	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING IL 25		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#		DRAWN - VLM	REVISED -		361	06-00214-15-BR	KANE/DUPAGE	545	244		
	PLOT SCALE = 50,0000' / IN.	CHECKED - JNR	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 282+00.00 TO STA. 288+00.00			CONTRACT NO. 63074			
	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						



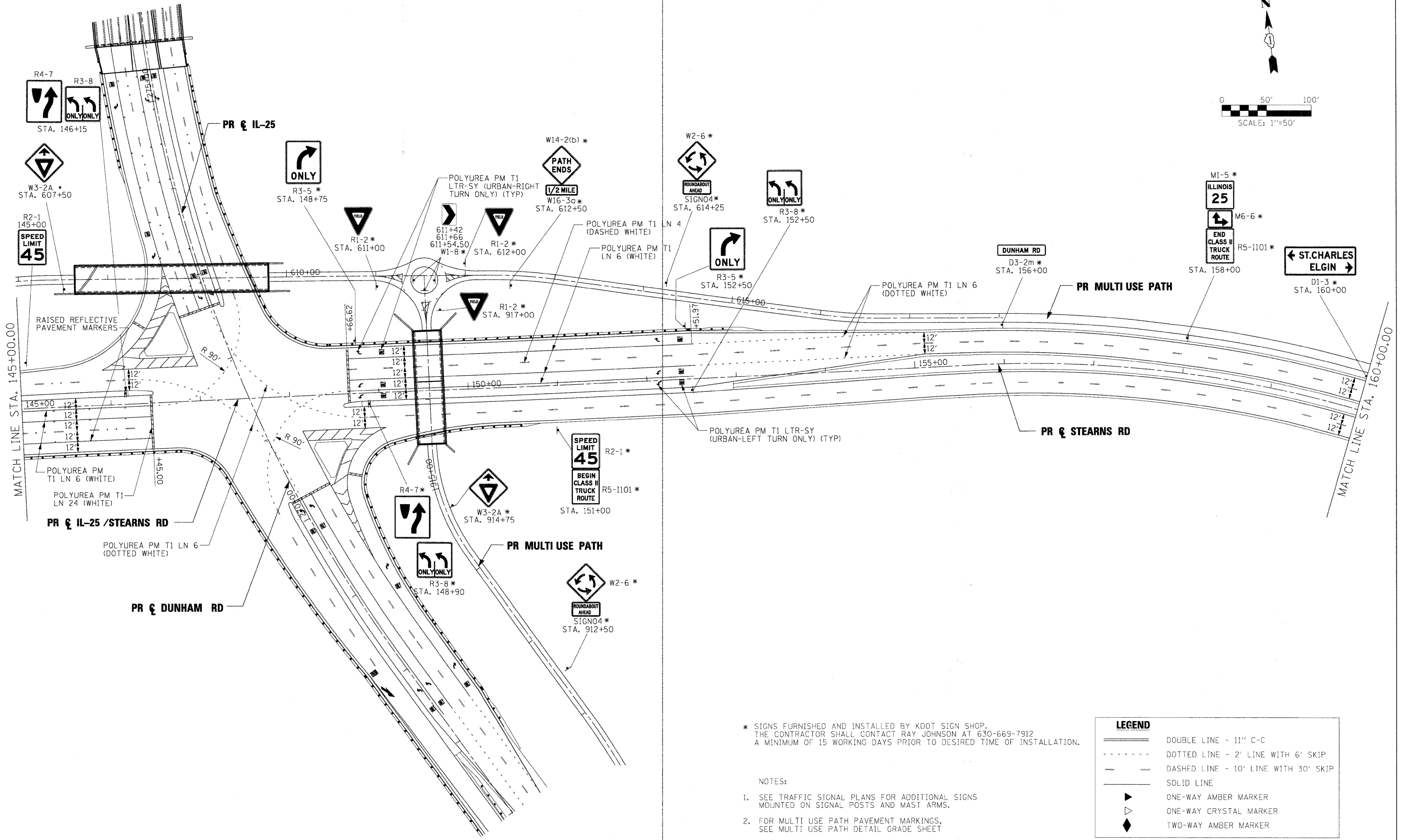
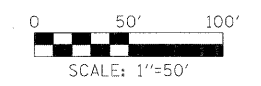
* SIGNS FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

NOTE:
 SEE TRAFFIC SIGNAL PLANS FOR ADDITIONAL SIGNS
 MOUNTED ON SIGNAL POSTS AND MAST ARMS.

LEGEND				
	DOUBLE LINE - 11" C-C			
	DOTTED LINE - 2' LINE WITH 6' SKIP			
	DASHED LINE - 10' LINE WITH 30' SKIP			
	SOLID LINE			
	ONE-WAY AMBER MARKER			
	ONE-WAY CRYSTAL MARKER			
	TWO-WAY AMBER MARKER			

x:\3900\3944\engineering_documents\pvt_mkg_sign\sign\abc.stn_pmr_kson_01.dgn

FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING IL 25 / STEARNS ROAD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 50,0000' / IN.	DRAWN - VLM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 485+09.91	TO STA. 498+50.00	361	06-00214-15-BR	KANE/DUPAGE	545	245
	PLOT DATE = 3/30/2009	CHECKED - JNR	REVISED -												
		DATE - 3/31/09	REVISED -												
											CONTRACT NO. 63074				
											FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



* SIGNS FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

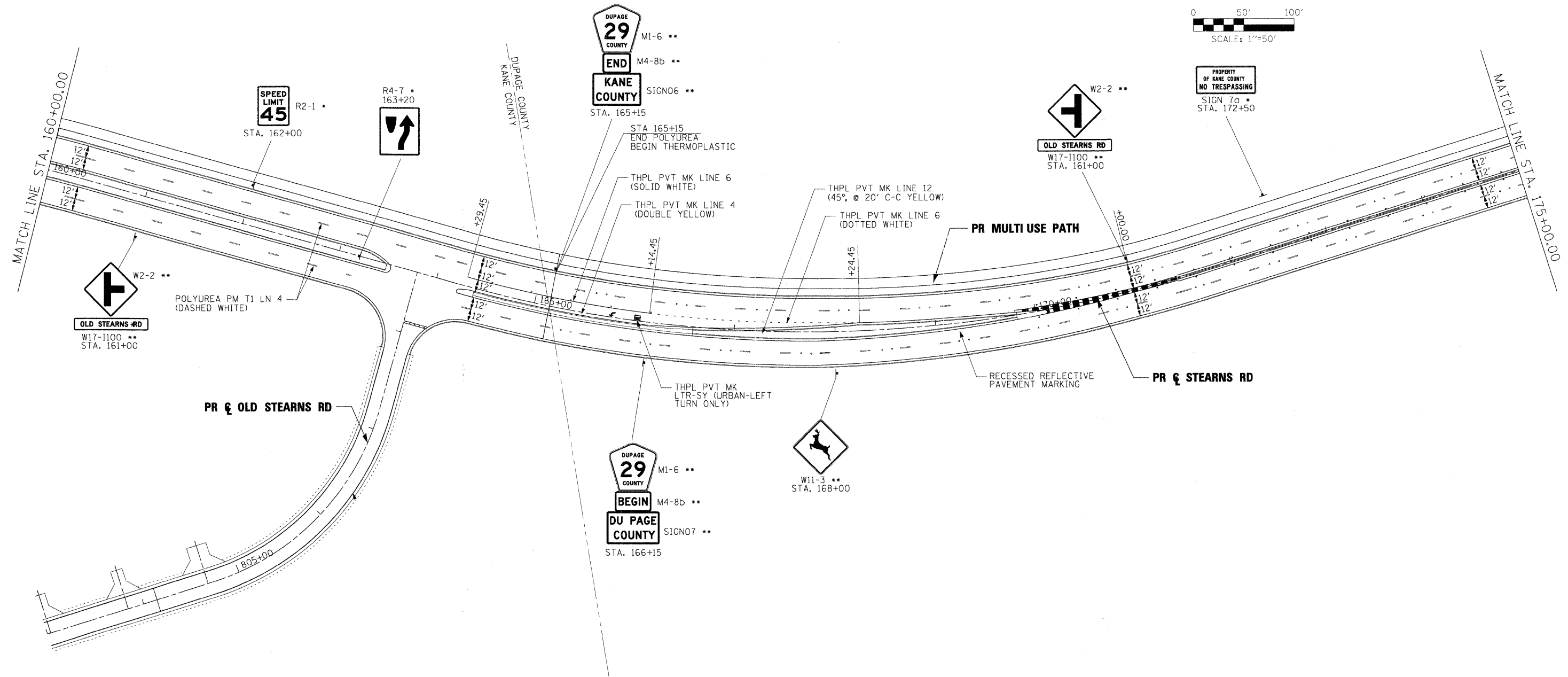
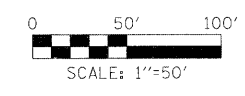
NOTES:

1. SEE TRAFFIC SIGNAL PLANS FOR ADDITIONAL SIGNS MOUNTED ON SIGNAL POSTS AND MAST ARMS.
2. FOR MULTI USE PATH PAVEMENT MARKINGS, SEE MULTI USE PATH DETAIL GRADE SHEET

LEGEND	
	DOUBLE LINE - 11" C-C
	DOTTED LINE - 2' LINE WITH 6' SKIP
	DASHED LINE - 10' LINE WITH 30' SKIP
	SOLID LINE
	ONE-WAY AMBER MARKER
	ONE-WAY CRYSTAL MARKER
	TWO-WAY AMBER MARKER

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FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING IL 25 /STEARNS ROAD	F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 247	
PLOT SCALE = 50.0000' / IN.	CHECKED - JNR	DATE - 3/31/09	REVISED -			SCALE: SHEET NO. OF SHEETS STA. 145+00.00 TO STA. 160+00.00		CONTRACT NO. 63074			
PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



* SIGNS FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

** SIGN FURNISHED AND INSTALLED BY DUPAGE COUNTY

NOTE:
 RECESSED REFLECTIVE PAVEMENT MARKERS
 SHALL BE INSTALLED IN DUPAGE COUNTY

LEGEND				
	DOUBLE LINE - 11" C-C			
	DOTTED LINE - 2' LINE WITH 6' SKIP			
	DASHED LINE - 10' LINE WITH 30' SKIP			
	SOLID LINE			
	ONE-WAY AMBER MARKER			
	ONE-WAY CRYSTAL MARKER			
	TWO-WAY AMBER MARKER			

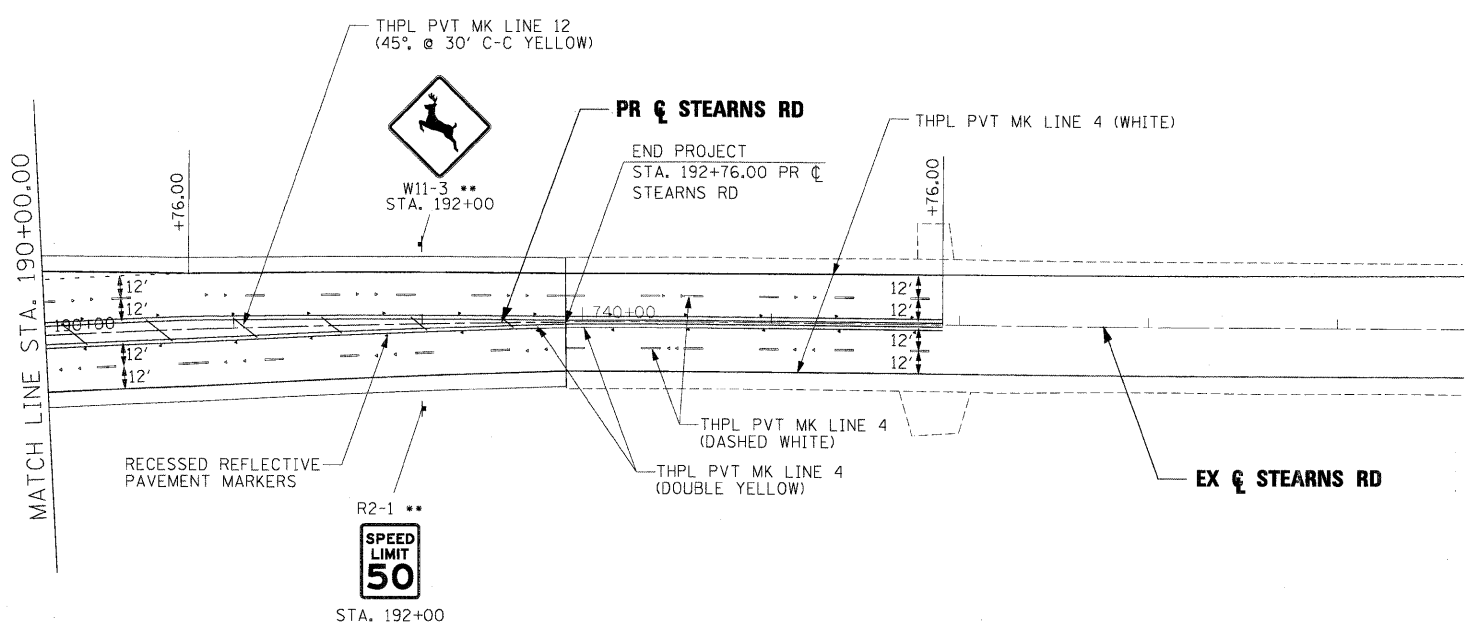
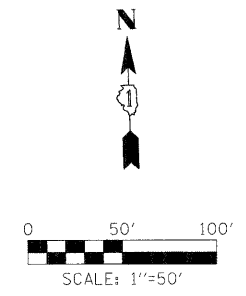
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	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY
 DIVISION OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
STEARNS ROAD			
SCALE:	SHEET NO. OF SHEETS	STA. 160+00.00 TO STA. 175+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	248
CONTRACT NO. 63074				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
RECESSED REFLECTIVE PAVEMENT MARKERS
SHALL BE INSTALLED IN DUPAGE COUNTY

** SIGN FURNISHED AND INSTALLED BY DUPAGE COUNTY

LEGEND	
	DOUBLE LINE - 11" C-C
	DOTTED LINE - 2' LINE WITH 6' SKIP
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	ONE-WAY CRYSTAL MARKER
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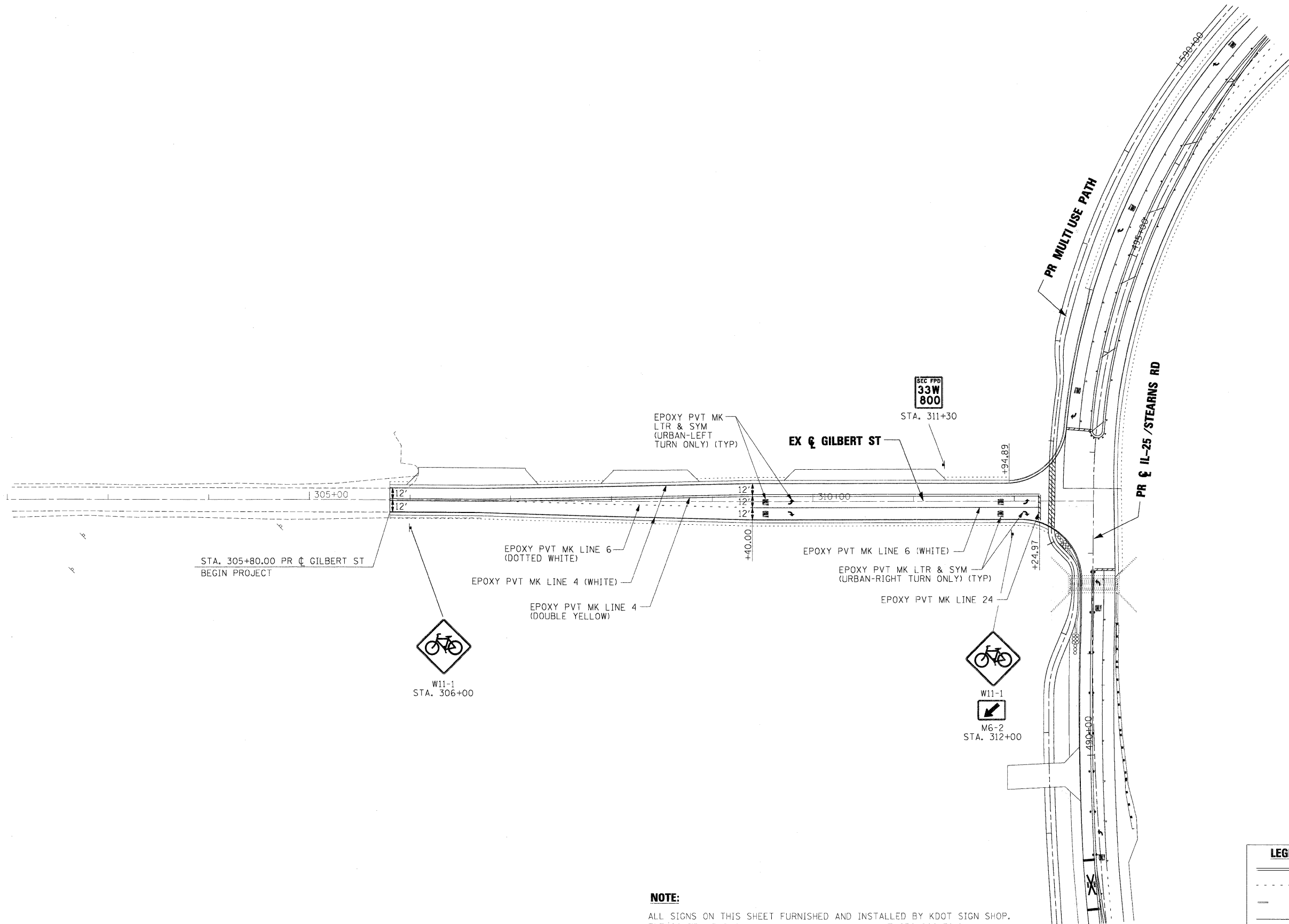
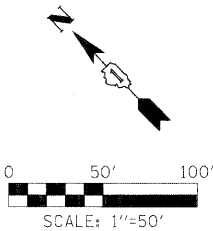
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	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY
DIVISION OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING STEARNS ROAD			
SCALE:	SHEET NO. OF SHEETS	STA. 190+00.00 TO STA. 192+76.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	250
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STA. 305+80.00 PR & GILBERT ST
BEGIN PROJECT

EPOXY PVT MK LINE 6
(DOTTED WHITE)

EPOXY PVT MK LINE 4 (WHITE)

EPOXY PVT MK LINE 4
(DOUBLE YELLOW)

EPOXY PVT MK
LTR & SYM
(URBAN-LEFT
TURN ONLY) (TYP)

EX & GILBERT ST

SEC FPD
33W
800

STA. 311+30

EPOXY PVT MK LINE 6 (WHITE)

EPOXY PVT MK LTR & SYM
(URBAN-RIGHT TURN ONLY) (TYP)

EPOXY PVT MK LINE 24



W11-1
STA. 306+00



W11-1
M6-2
STA. 312+00

NOTE:

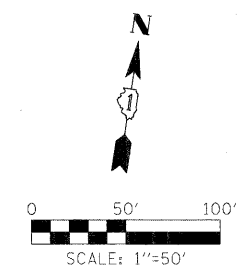
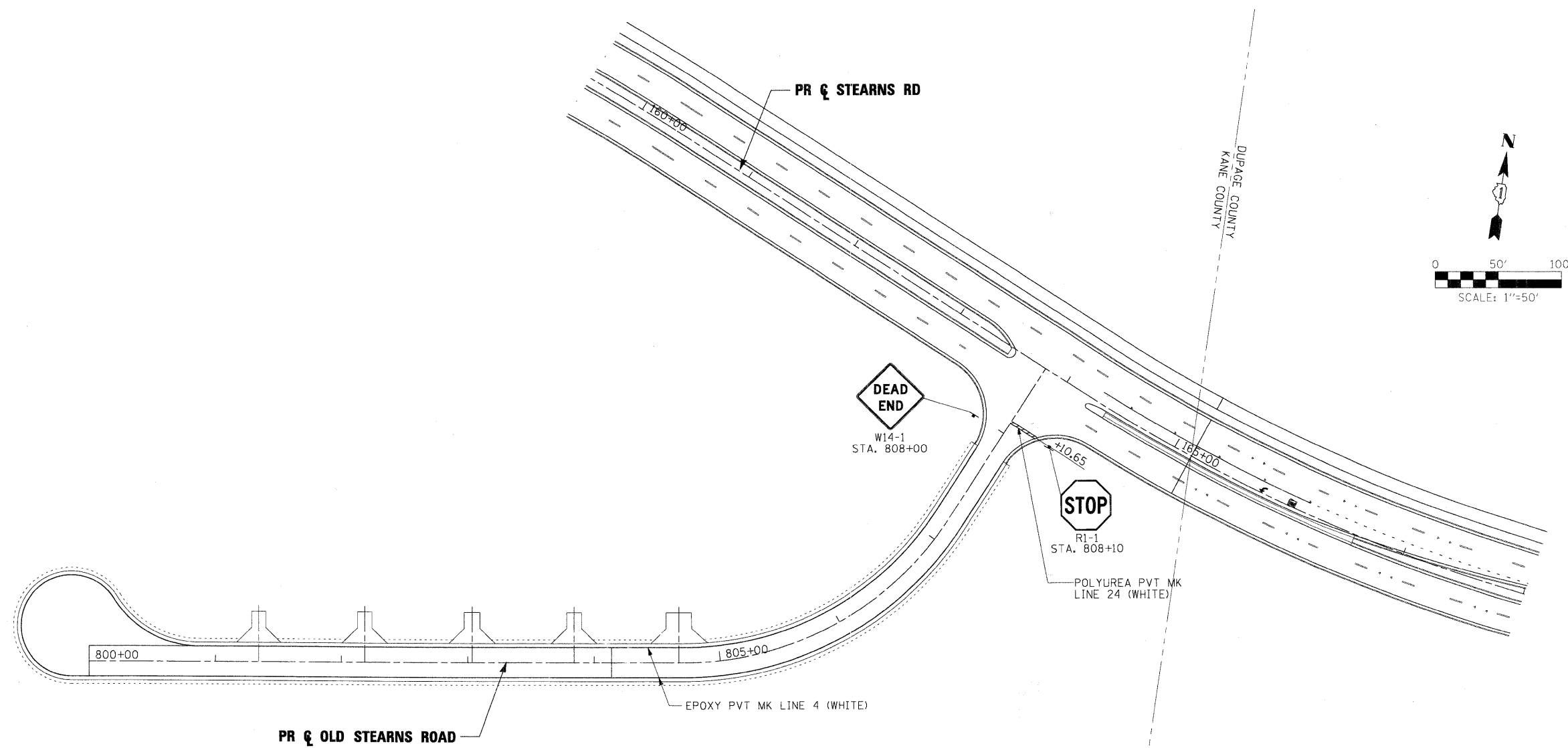
ALL SIGNS ON THIS SHEET FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

LEGEND

- DOUBLE LINE - 11" C-C
- DOTTED LINE - 2' LINE WITH 6' SKIP
- DASHED LINE - 10' LINE WITH 30' SKIP
- SOLID LINE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- TWO-WAY AMBER MARKER

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	PLOT SCALE = 52.0000' / IN.	CHECKED - JNR	REVISED -				361	06-00214-15-BR	KANE/DUPAGE	545	251
PLOT DATE = 3/30/2009	DATE = 3/31/09	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 306+70.00 TO STA. 312+78.53	CONTRACT NO. 63074		
							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:
 ALL SIGNS ON THIS SHEET FURNISHED AND INSTALLED BY KDOT SIGN SHOP.
 THE CONTRACTOR SHALL CONTACT RAY JOHNSON AT 630-669-7912
 A MINIMUM OF 15 WORKING DAYS PRIOR TO DESIRED TIME OF INSTALLATION.

LEGEND				
	DOUBLE LINE - 11" C-C			
	DOTTED LINE - 2' LINE WITH 6' SKIP			
	DASHED LINE - 10' LINE WITH 30' SKIP			
	SOLID LINE			
	ONE-WAY AMBER MARKER			
	ONE-WAY CRYSTAL MARKER			
	TWO-WAY AMBER MARKER			

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	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY
 DIVISION OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING OLD STEARNS ROAD			
SCALE:	SHEET NO. OF SHEETS	STA. 800+00.00 TO STA. 808+61.43	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	252
CONTRACT NO. 63074				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

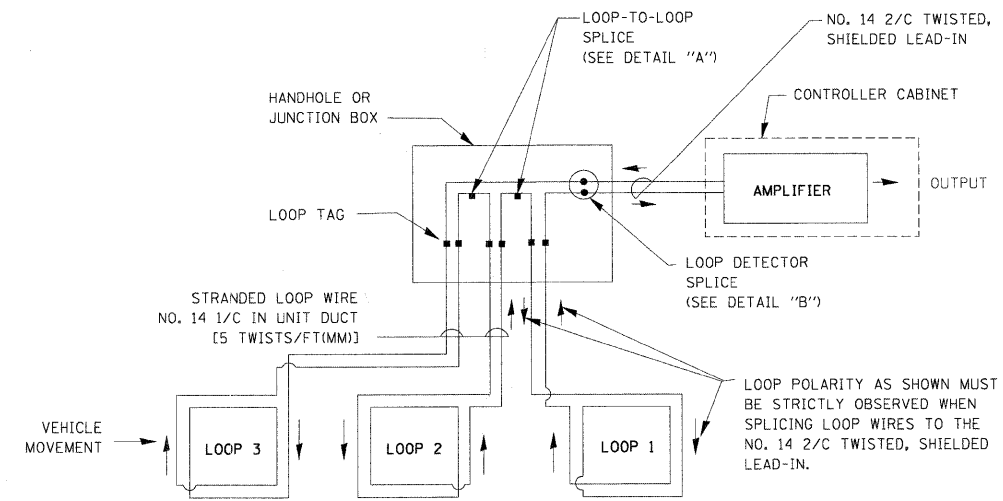
SUMMARY OF TRAFFIC SIGNAL QUANTITIES

ITEM	UNIT	TOTAL	DUNHAM RD @ STEARNS RD.	IL-25 @ DUNHAM RD.	IL-25 / STEARNS RD. @ GILBERT ST.	IL-25 / STEARNS RD @ IL-25 / DUNHAM RD.	INTERCONNECT
ELECTRIC SERVICE INSTALLATION	EACH	2			1	1	0
CONDUIT IN TRENCH, 1 1/2" DIA. GALVANIZED STEEL	FOOT	23			23	0	0
CONDUIT IN TRENCH, 2" DIA. GALVANIZED STEEL	FOOT	3546			520	1118	1935
CONDUIT IN TRENCH, 2 1/2" DIA. GALVANIZED STEEL	FOOT	124			86	65	0
CONDUIT IN TRENCH, 3" DIA. GALVANIZED STEEL	FOOT	202			181	76	0
CONDUIT IN TRENCH, 4" DIA. GALVANIZED STEEL	FOOT	140			25	115	0
CONDUIT PUSHED 2", DIA. GALVANIZED STEEL	FOOT	360			0	224	150
CONDUIT PUSHED 3", DIA. GALVANIZED STEEL	FOOT	277			158	0	0
CONDUIT PUSHED 4", DIA. GALVANIZED STEEL	FOOT	711			76	671	0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	85			0	0	85
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6"	EACH	2			0	0	2
HANDHOLE	EACH	24			7	8	9
HEAVY-DUTY HANDHOLE	EACH	6			2	4	0
DOUBLE HANDHOLE	EACH	4			1	3	0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4223			865	1489	1935
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1	1	0	0	0
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	2			1	1	0
MASTER CONTROLLER (SPECIAL)	EACH	1			0	0	1
TRANSCIVER - FIBER OPTIC	EACH	2			1	1	0
FIBER OPTIC CABLE IN CONDUIT, NO. 62 5/125, MM12F, SM12F	FOOT	4697			0	0	4697
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2/C	FOOT	409			409	0	0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3/C	FOOT	409			409	0	0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5/C	FOOT	7750			1114	6681	0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7/C	FOOT	3051			964	2281	0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7743			1374	5841	0
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	220			100	120	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1			1	0	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4			4	0	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6			2	4	0
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1			1	0	0
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1			1	0	0
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	3			0	3	0
STEEL MAST ARM ASSEMBLY AND POLE, 75 FT.	EACH	1			0	1	0
CONCRETE FOUNDATION, TYPE A	FOOT	44			28	16	0
CONCRETE FOUNDATION, TYPE C	FOOT	8			4	4	0
CONCRETE FOUNDATION TYPE E, 30-INCH DIAMETER	FOOT	15			15	0	0
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	15			15	0	0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	18			2	16	0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9			6	4	0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	10			3	6	0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3			2	2	0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2	0	0
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	21			4	18	0
INDUCTIVE LOOP DETECTOR	EACH	22			5	16	0
DETECTOR LOOP, TYPE I	FOOT	393			354	0	0
PEDESTRIAN PUSH BUTTON	EACH	2			2	0	0
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			0	1	0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	1	3	0	0	0
REMOVE EXISTING HANDHOLE	EACH	3	3		0	0	0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6	6		0	0	0
PREFORMED DETECTOR LOOP	FOOT	1986			44	1802	0
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14, 1C	FOOT	4697			0	0	4697
OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1			0	0	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	1516			755	715	0
UNINTERRUPTABLE POWER SUPPLY	EACH	2			1	1	0
CONDUIT PUSHED UNDER RAILROAD, 3"DIA., GALVANIZED STEEL	FOOT	140			0	0	140
CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	100			0	100	0

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LOOP DETECTOR NOTES

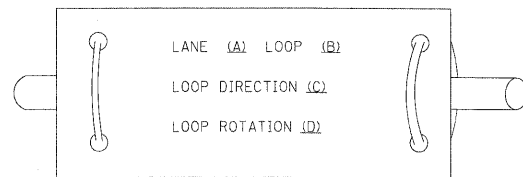
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED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



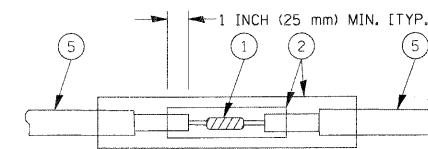
DETECTOR LOOP WIRING SCHEMATIC

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

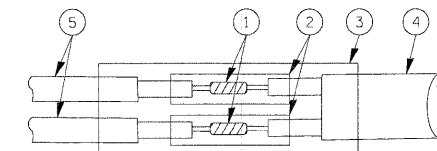
LOOP LEAD-IN CABLE TAG



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



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



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

LOOP DETECTOR SPLICE

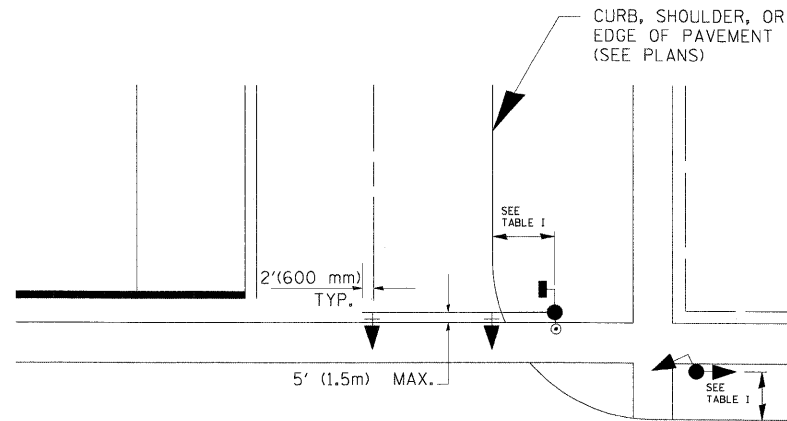
- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED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

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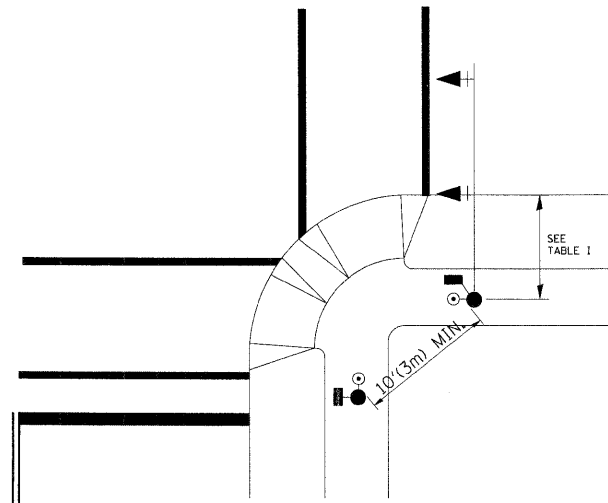
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PLT SCALE = 50.0000' / IN.	CHECKED - GHT	DRAWN - INS / VLM	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63074			
PLT DATE = 3/30/2009	DATE - 3/31/09	CHECKED - GHT	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
		DATE - 3/31/09	REVISED -									

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

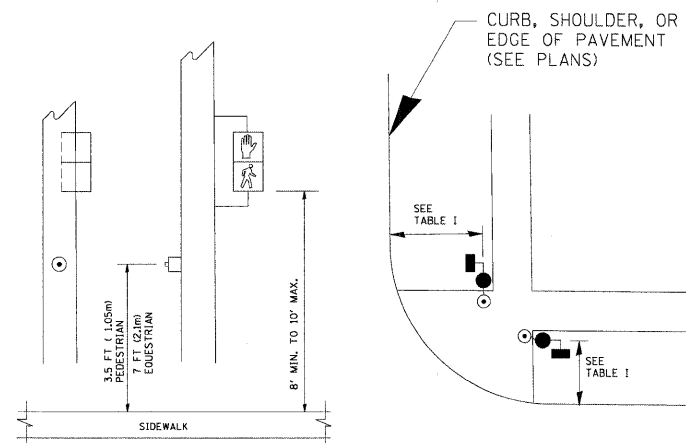
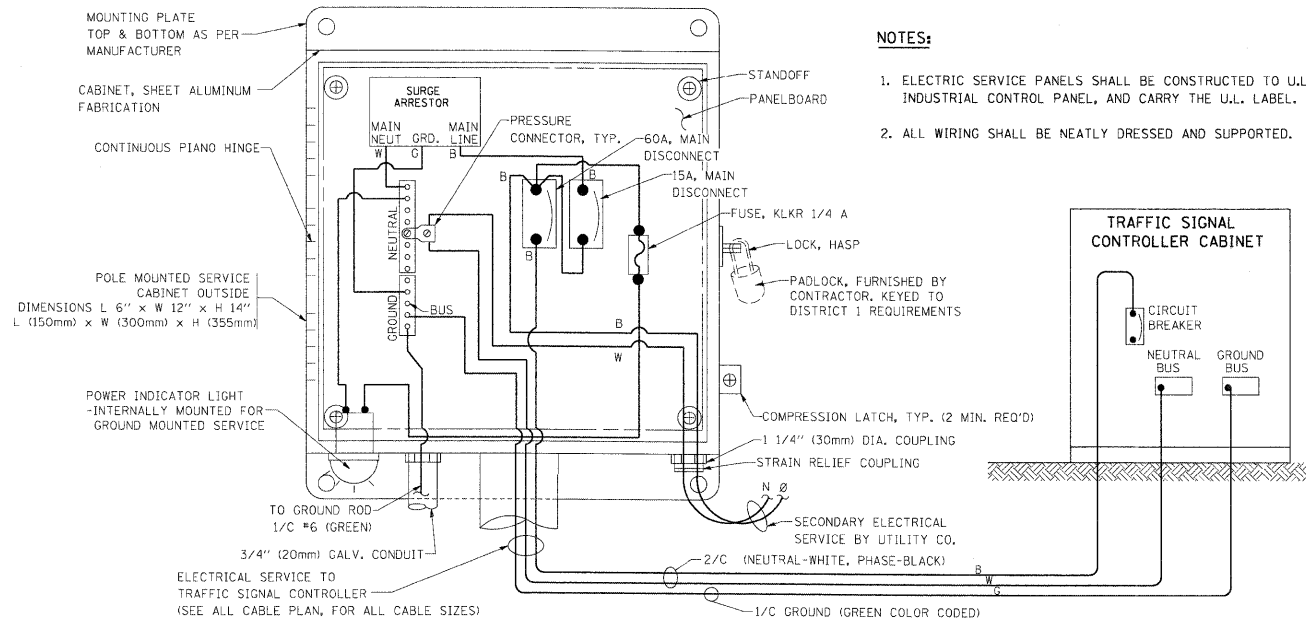


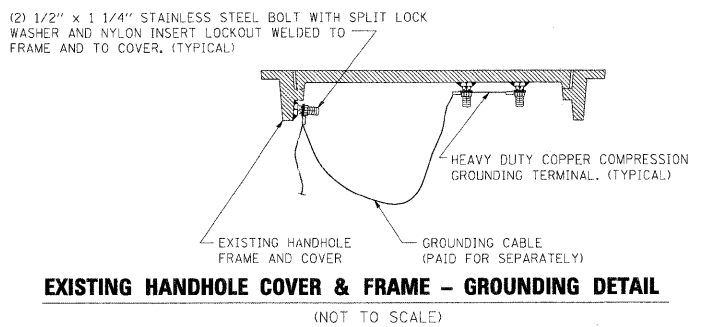
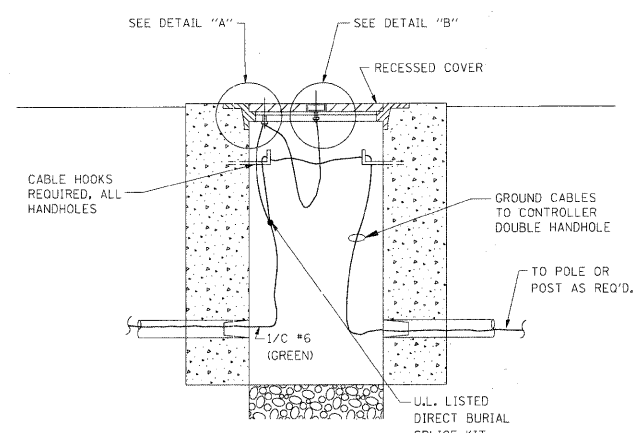
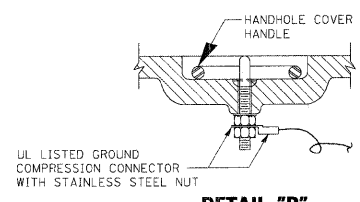
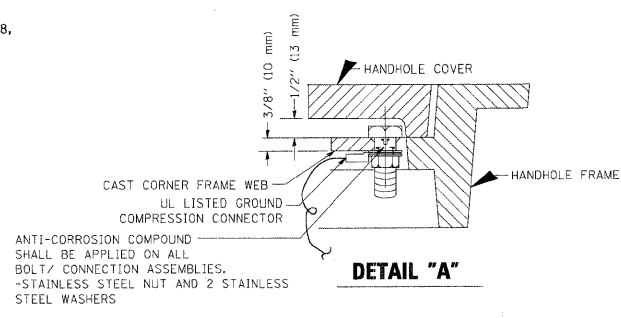
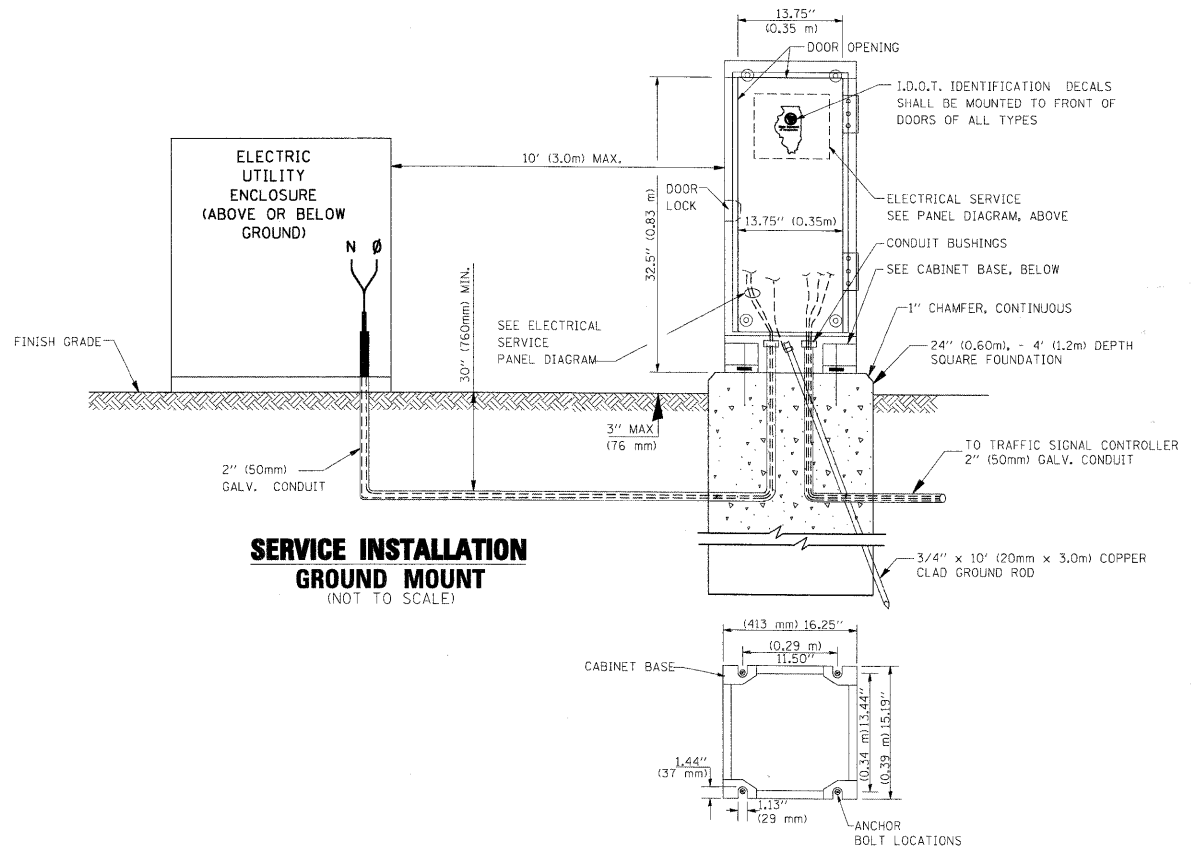
TABLE I

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

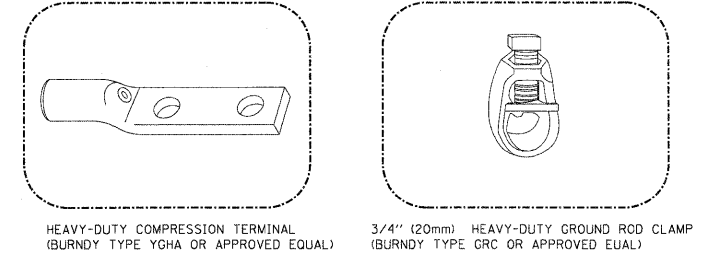
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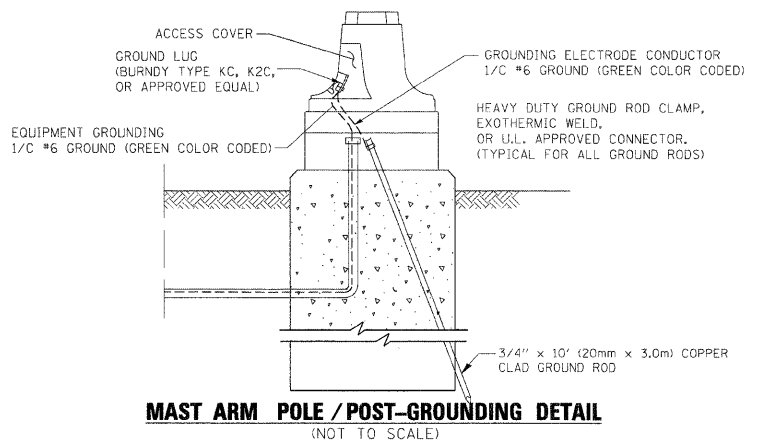
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



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

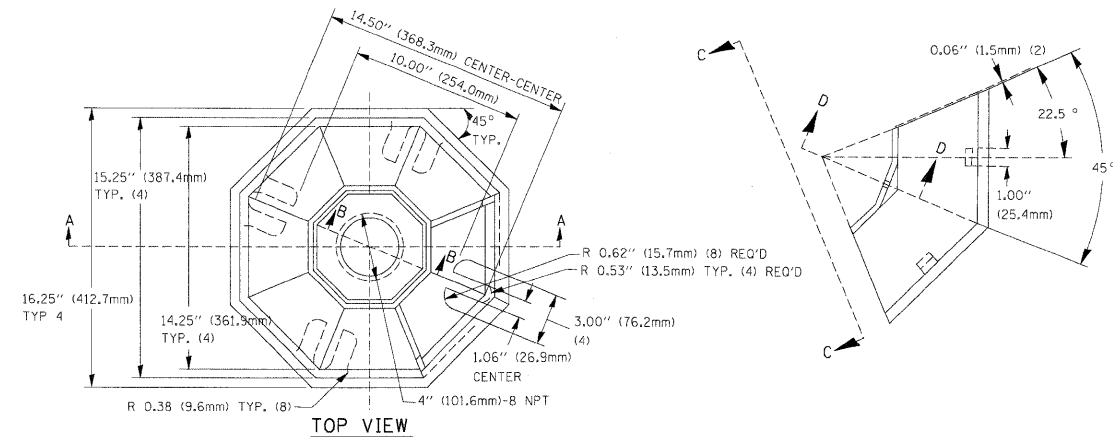


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

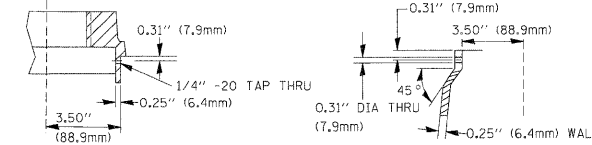


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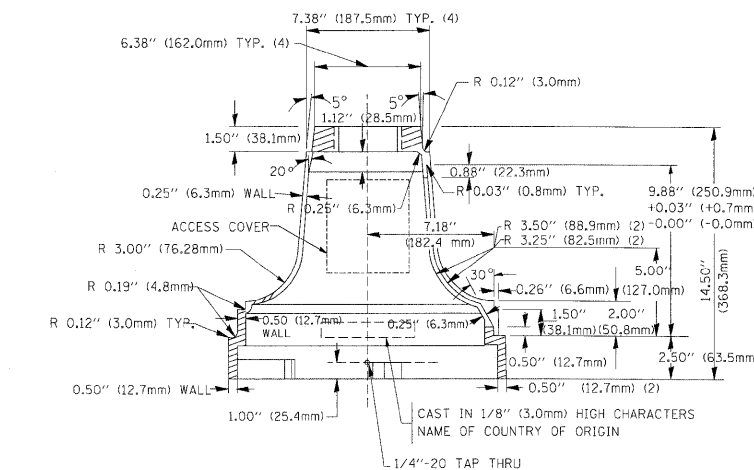
FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - GHT	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50,0000' / IN.	CHECKED - GHT	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	256	
	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -			CONTRACT NO. 63074					
						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
SCALE:		SHEET NO. OF SHEETS		STA.	TO STA.						



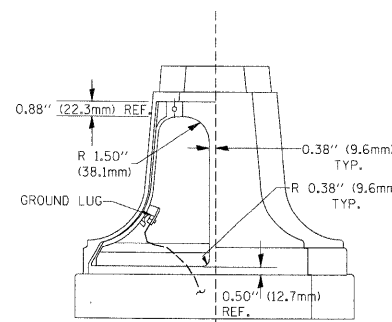
SECTION B-B



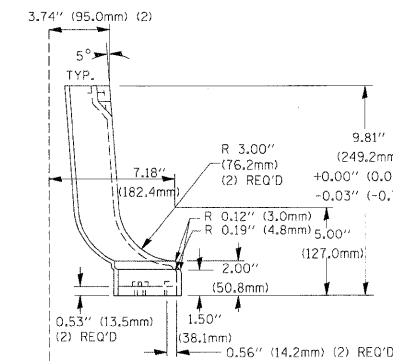
SECTION D-D



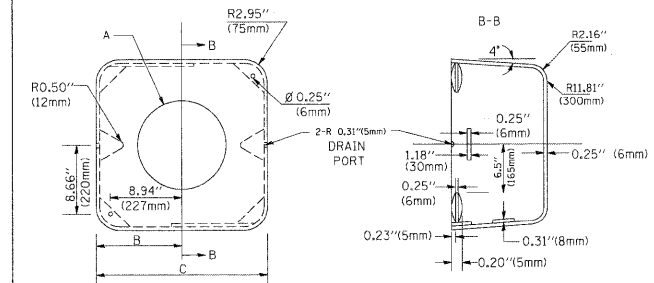
SECTION A-A



VIEW C-C



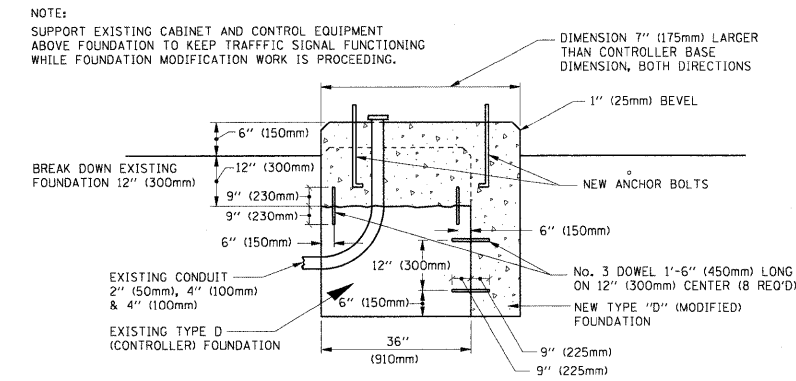
TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



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

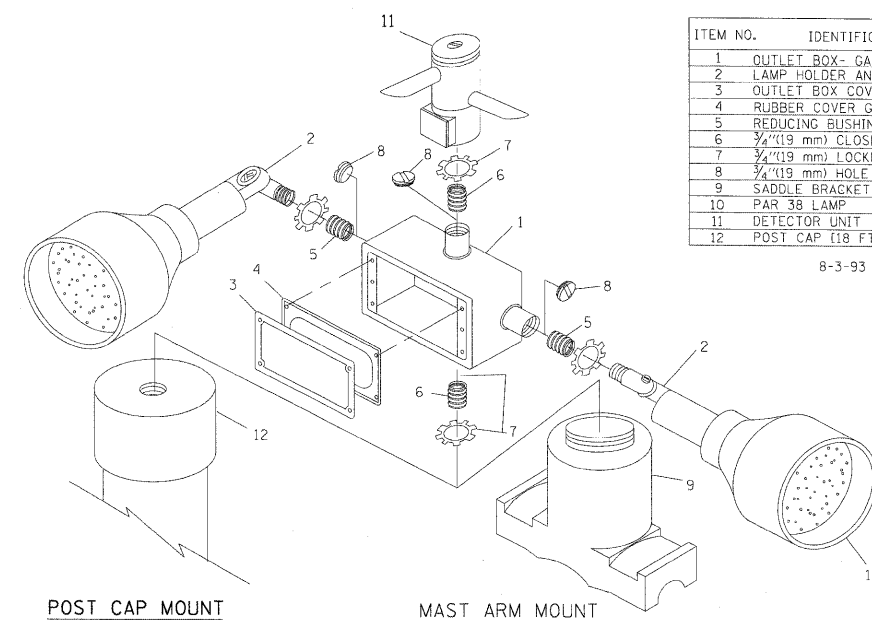
TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125\" (257mm)	9.5\" (241mm)	19\" (483mm)	12\" (300mm)	24kg
II	Ø 11.125\" (283mm)	10.75\" (273mm)	21.5\" (546mm)	12\" (300mm)	26kg

SHROUD DETAIL



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



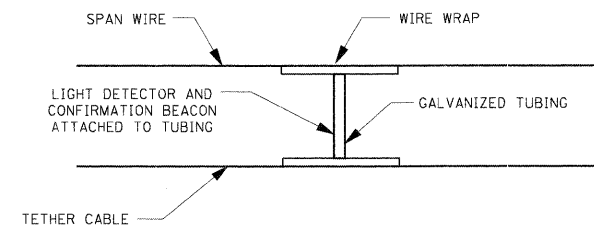
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

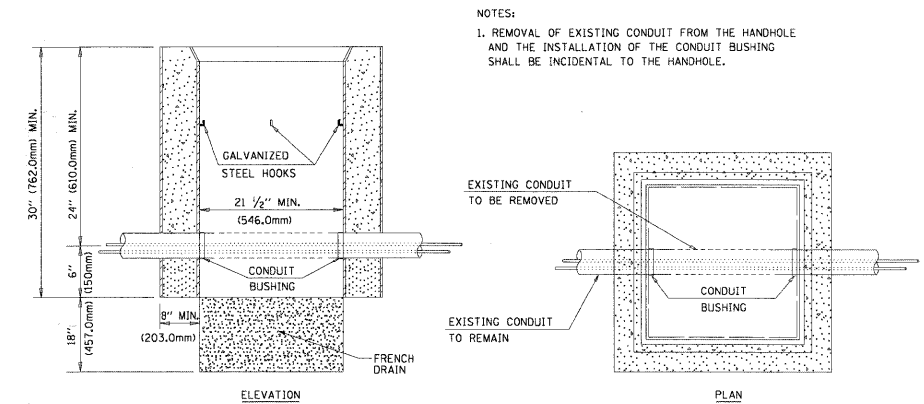
8-3-93

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 CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



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

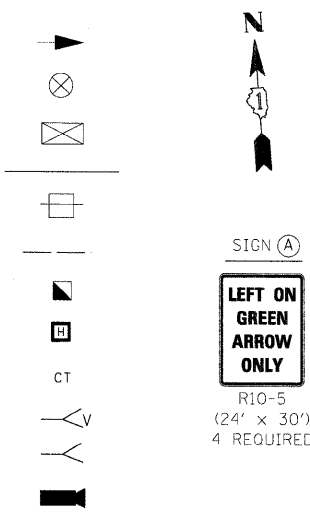


DETAIL HANDHOLE TO INTERCEPT EXISTING CONDUIT N.T.S.

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TEMPORARY TRAFFIC SIGNAL LEGEND

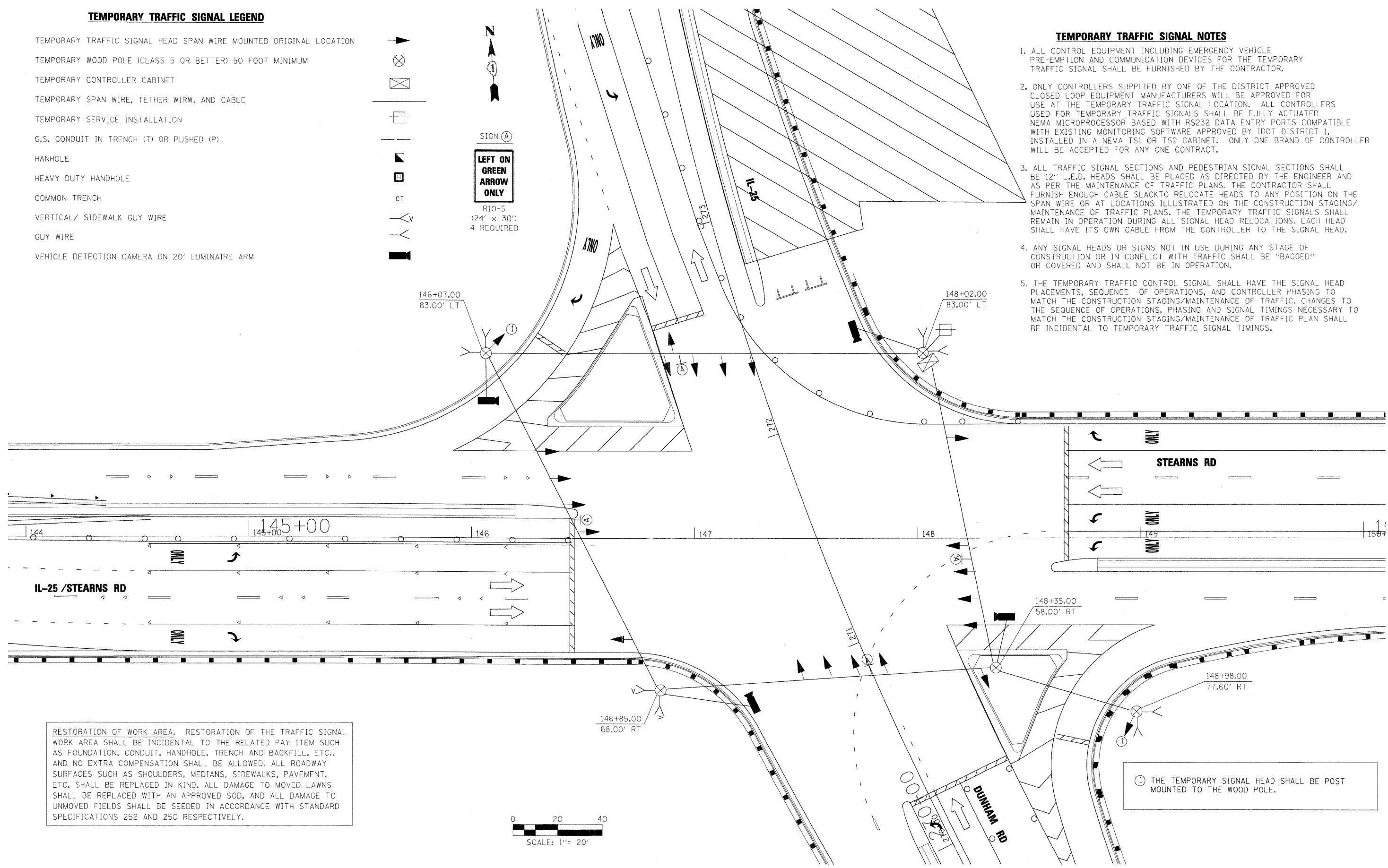
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 50 FOOT MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRW, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- HANHOLE
- HEAVY DUTY HANDHOLE
- COMMON TRENCH
- VERTICAL/ SIDEWALK GUY WIRE
- GUY WIRE
- VEHICLE DETECTION CAMERA ON 20' LUMINAIRE ARM



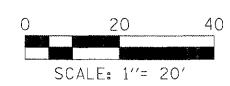
SIGN (A)
**LEFT ON GREEN
 ARROW ONLY**
 R10-5
 (24' x 30')
 4 REQUIRED

TEMPORARY TRAFFIC SIGNAL NOTES

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY VEHICLE PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT THE TEMPORARY TRAFFIC SIGNAL LOCATION. 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.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" L.E.D. HEADS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND AS PER THE MAINTENANCE OF TRAFFIC PLANS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE CONSTRUCTION STAGING/ MAINTENANCE OF TRAFFIC PLANS. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER TO THE SIGNAL HEAD.
4. ANY SIGNAL HEADS OR SIGNS NOT IN USE DURING ANY STAGE OF CONSTRUCTION OR IN CONFLICT WITH TRAFFIC SHALL BE "BAGGED" OR COVERED AND SHALL NOT BE IN OPERATION.
5. THE TEMPORARY TRAFFIC CONTROL SIGNAL SHALL HAVE THE SIGNAL HEAD PLACEMENTS, SEQUENCE OF OPERATIONS, AND CONTROLLER PHASING TO MATCH THE CONSTRUCTION STAGING/MAINTENANCE OF TRAFFIC. CHANGES TO THE SEQUENCE OF OPERATIONS, PHASING AND SIGNAL TIMINGS NECESSARY TO MATCH THE CONSTRUCTION STAGING/MAINTENANCE OF TRAFFIC PLAN SHALL BE INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL TIMINGS.



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

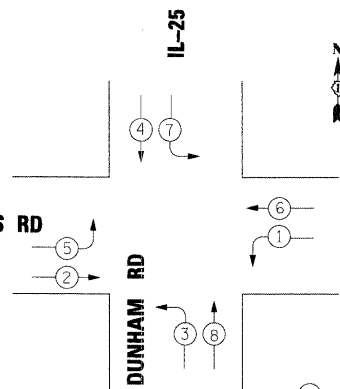


① THE TEMPORARY SIGNAL HEAD SHALL BE POST MOUNTED TO THE WOOD POLE.

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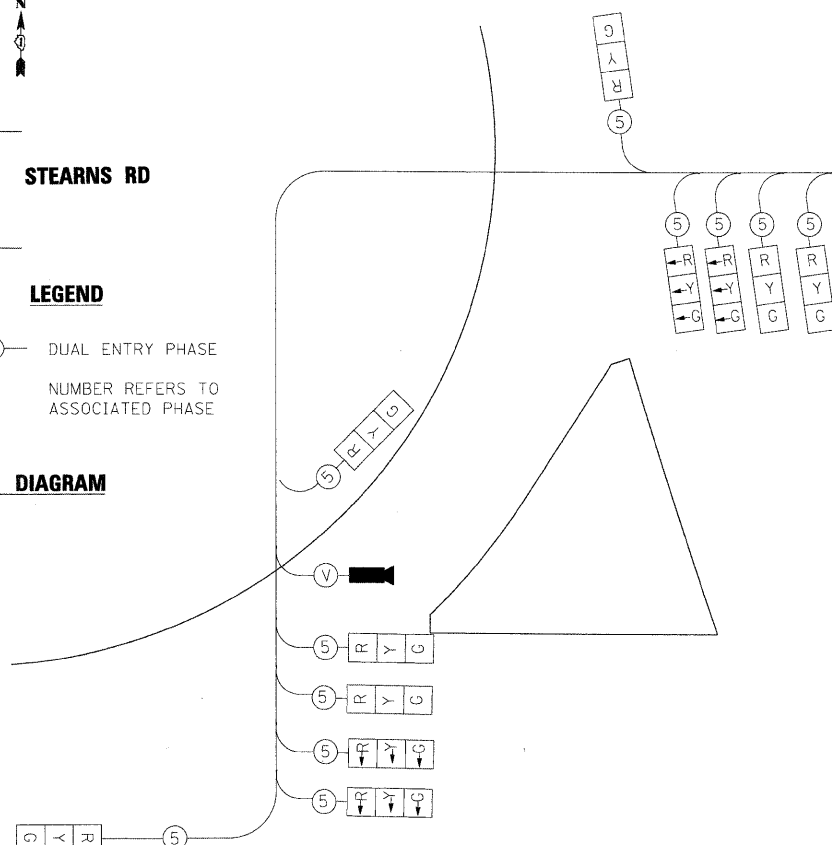
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	PLOT SCALE = 20.00' / IN.	DRAWN - VLM	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	258	
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -			CONTRACT NO. 63074					
		DATE - 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

CONTROLLER SEQUENCE



LEGEND
 ○ DUAL ENTRY PHASE
 ● NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY CABLE PLAN LEGEND

- ⊠ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12"
- ⊞ TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- Ⓥ VENDOR SPECIFIC CABLE
- ▬ VEHICLE DETECTION CAMERA

STEARNS RD

DUNHAM RD

IL-25 / STEARNS RD

TEMPORARY CABLE PLAN

NOTE: ALL TEMPORARY SIGNAL HEADS SHALL BE L.E.D. (LIGHT EMITTING DIODE)

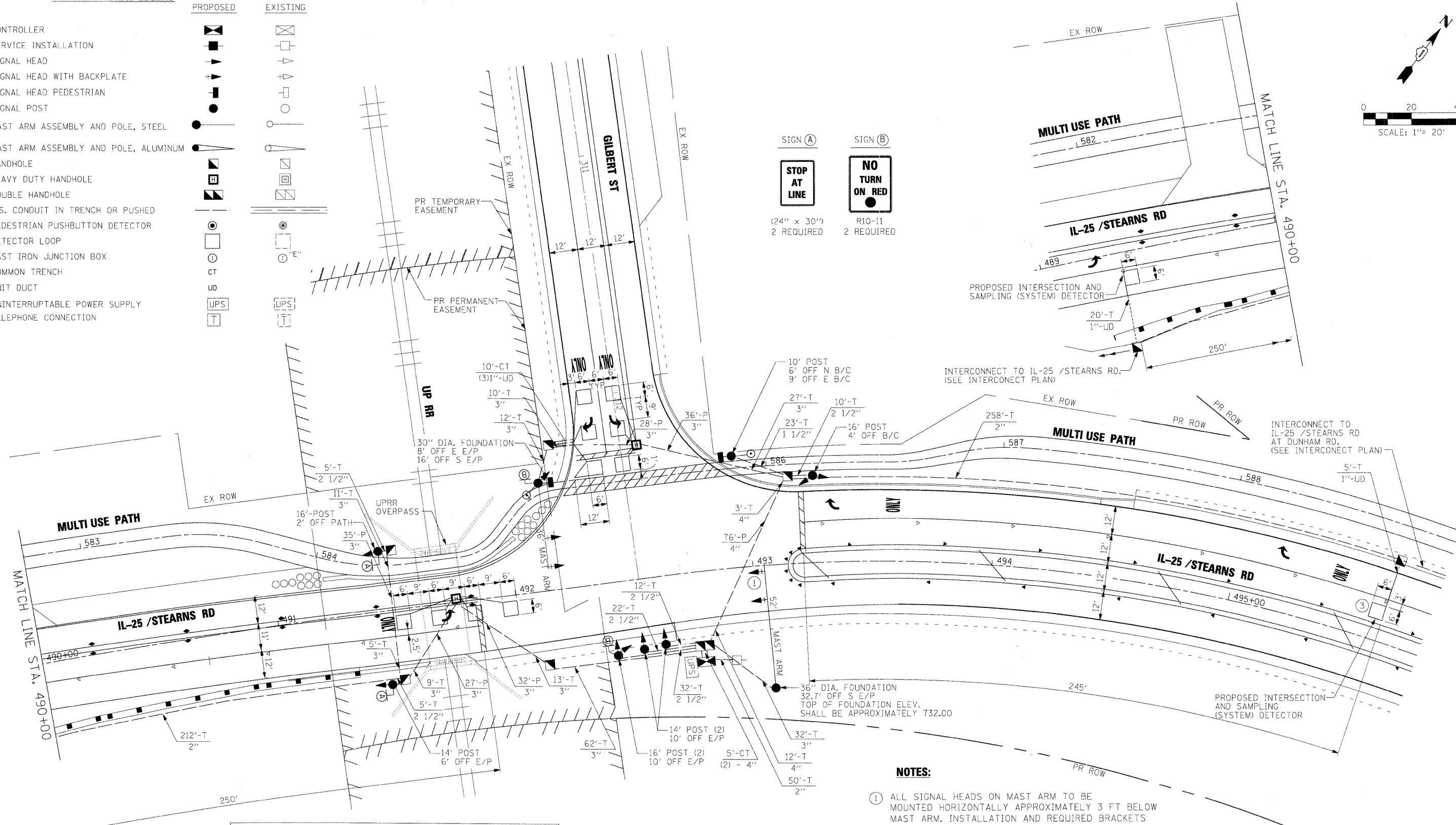
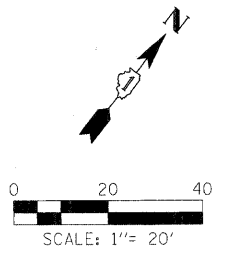
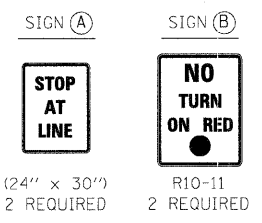
I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED/ RED ARROW)	20	17	0.50	170
(YELLOW)	12	25	0.25	75
(GREEN)	12	15	0.25	45
ARROW	16	12	0.10	20
PED. SIGNAL	0	25	1.00	
CONTROLLER	1	100	1.00	100
FLASHER			0.05	
ENERGY COST TO:				TOTAL = 410
KANE COUNTY DIVISION OF TRANSPORTATION 41 W 011 BURLINGTON ROAD ST. CHARLES, ILLINOIS 60175 ENERGY SUPPLY: CONTACT: MARTY RUBIN PHONE: 847-608-2400 COMPANY: COMED				

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FILE NAME = \$FILES*	USER NAME = \$USER*	DESIGNED - GHT/MPM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL CABLE PLAN IL. RTE. 25/STEARNS RD AT IL. RTE. 25/DUNHAM RD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 28.00' / IN.	CHECKED - GHT	REVISED -		361	06-00214-15-BR	KANE/DUPAGE	545	259				
	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 63074				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
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		
UNINTERRUPTIBLE POWER SUPPLY		
TELEPHONE CONNECTION		



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

- NOTES:**
- ALL SIGNAL HEADS ON MAST ARM TO BE MOUNTED HORIZONTALLY APPROXIMATELY 3 FT BELOW MAST ARM. INSTALLATION AND REQUIRED BRACKETS FOR SAID HORIZONTAL MOUNTING IS INCIDENTAL TO SIGNAL HEAD, LED, MAST ARM MOUNTED.
 - ALL DETECTOR LOOPS, TYPE I SHALL BE SAW CUT AND INSTALLED PRIOR TO THE PLACEMENT OF THE SURFACE COURSE ASPHALT.
 - THE SYSTEM DETECTOR LOOP EAST OF THE INTERSECTION SHALL BE PREFORMED DETECTOR LOOPS (PLACED WITHIN THE PCC PAVEMENT) PER IDOT DISTRICT 1 SPECIAL PROVISIONS.

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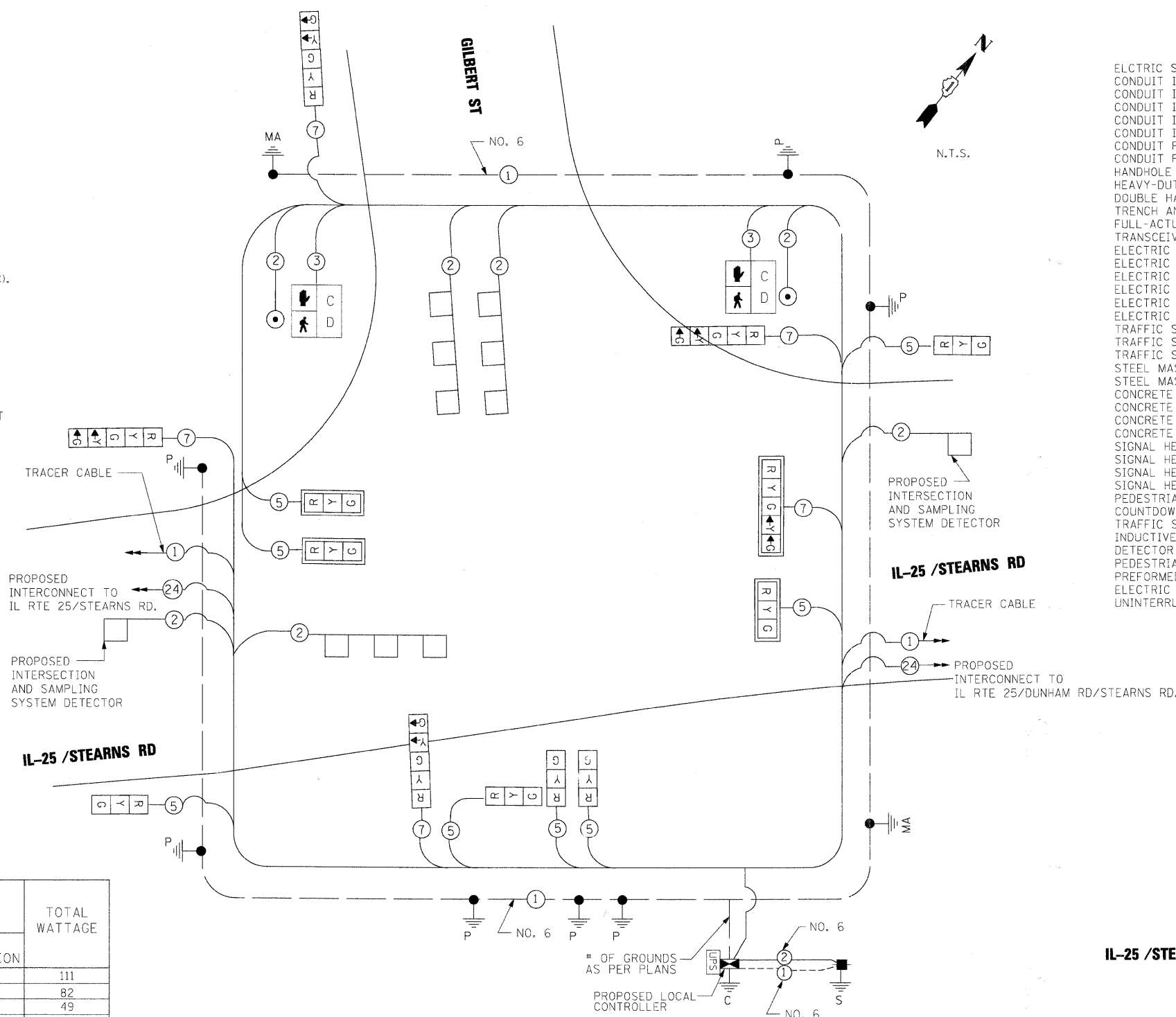
FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - MPM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN IL. RTE. 25 / STEARNS RD. AT GILBERT ST.			F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 260
	PLOT SCALE = 20,0000' / IN.	DRAWN - VLM	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63074				
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 3/31/09	REVISED -									

CABLE SIGNAL LEGEND

EXISTING	PROPOSED	DESCRIPTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND ROD AT CONTROLLER (C).
		GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
		SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
		COUNTDOWN PEDESTRIAN HEAD
		UNINTERRUPTIBLE POWER SUPPLY

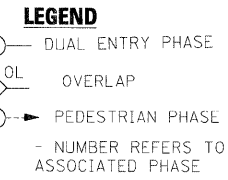
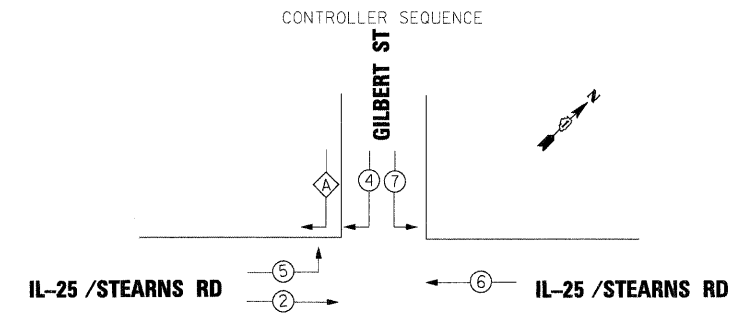
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITIES
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	23
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	520
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	86
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	181
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	25
CONDUIT PUSHED 3", DIA., GALVANIZED STEEL	FOOT	158
CONDUIT PUSHED 4", DIA., GALVANIZED STEEL	FOOT	76
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	865
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	409
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	409
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1114
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	964
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1374
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	100
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	15
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	354
PEDESTRIAN PUSH BUTTON	EACH	2
PREFORMED DETECTOR LOOP	FOOT	44
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	755
UNINTERRUPTIBLE POWER SUPPLY	EACH	1



CABLE PLAN

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



NOTES:

- ALL DETECTOR LOOPS, TYPE I SHALL BE SAW CUT AND INSTALLED PRIOR TO THE PLACEMENT OF THE SURFACE COURSE ASPHALT.
- THE SYSTEM DETECTOR LOOP EAST OF THE INTERSECTION SHALL BE PREFORMED DETECTOR LOOPS (PLACED WITHIN THE PCC PAVEMENT) PER IDOT DISTRICT 1 SPECIAL PROVISIONS.

PHASE DESIGNATION DIAGRAM

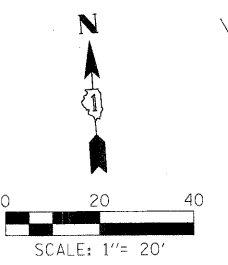
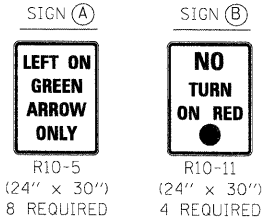
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	4	5

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION	
SIGNAL (RED)	13	-	0.50	111
(YELLOW)	13	-	0.25	82
(GREEN)	13	-	0.25	49
ARROW	10	-	0.10	12
CONTROLLER	1	-	1.00	100
FLASHER				0.50
ENERGY COSTS TO:				TOTAL = 354

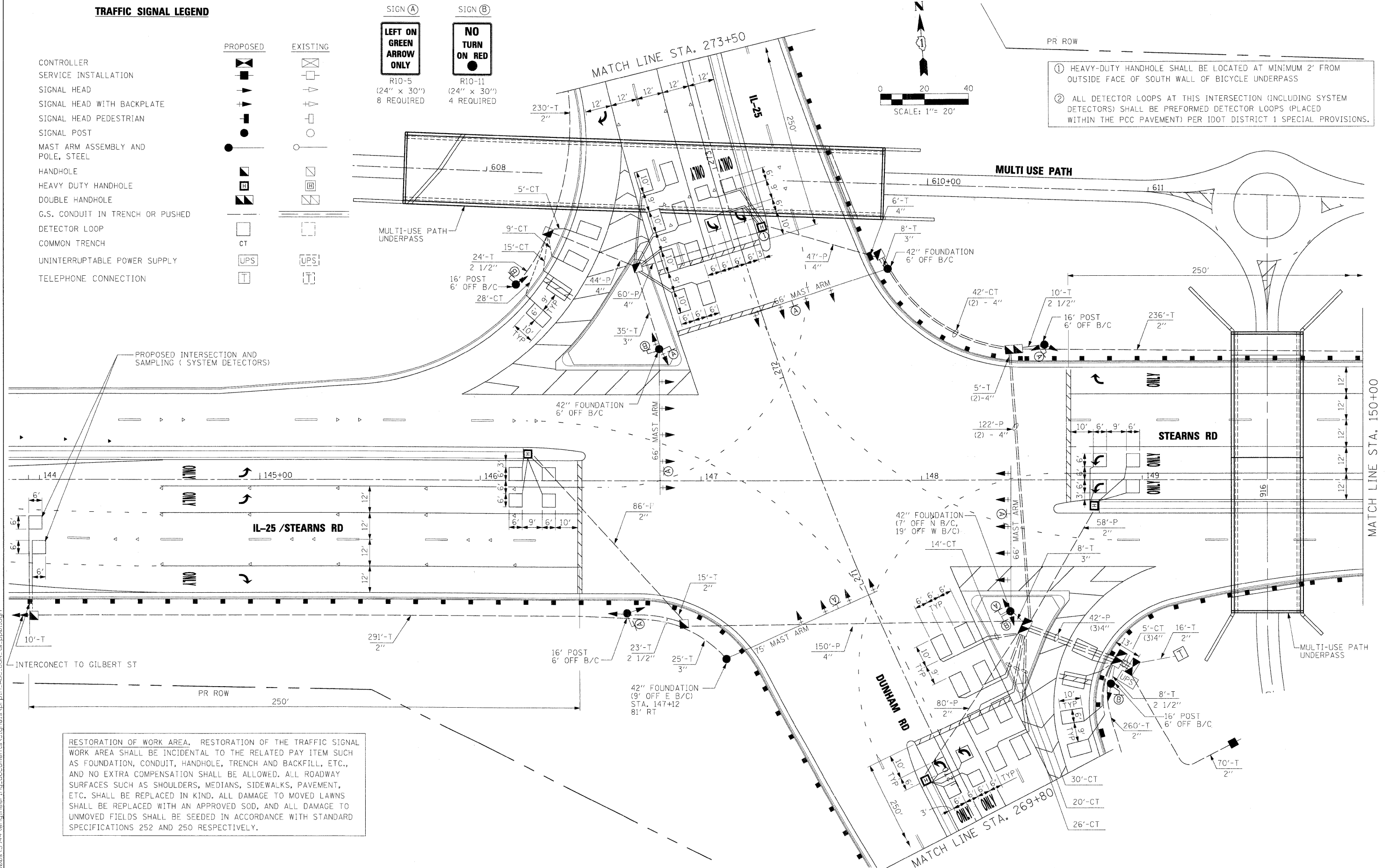
FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E - M. ARM POLE	10 (3.0)	SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER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

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH		
UNINTERRUPTIBLE POWER SUPPLY		
TELEPHONE CONNECTION		

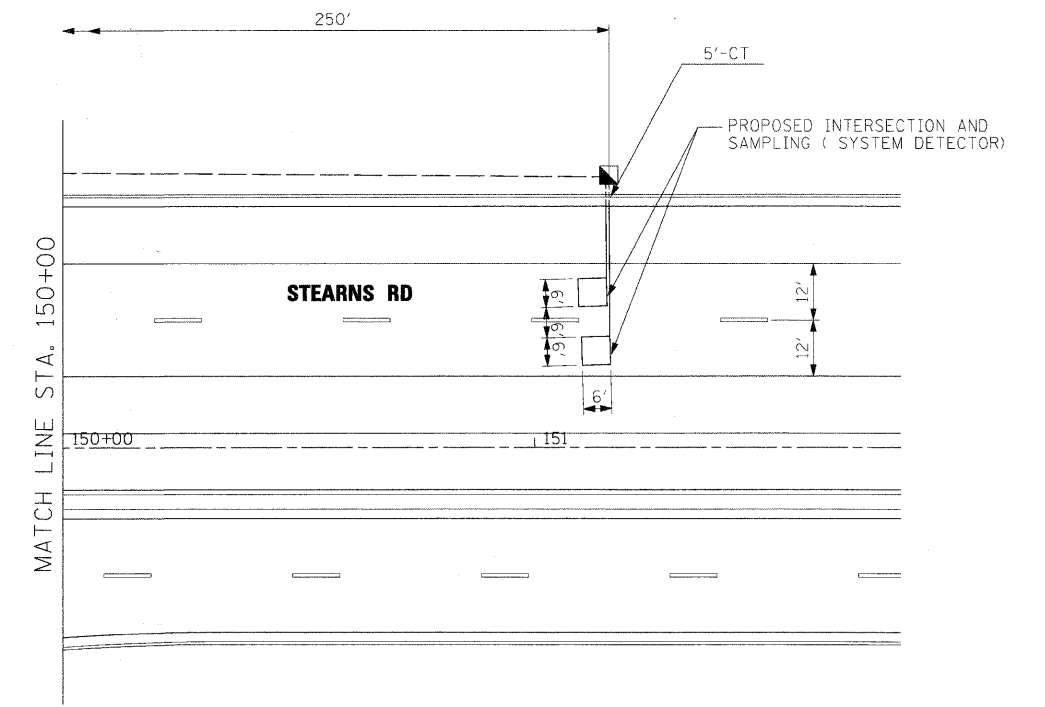
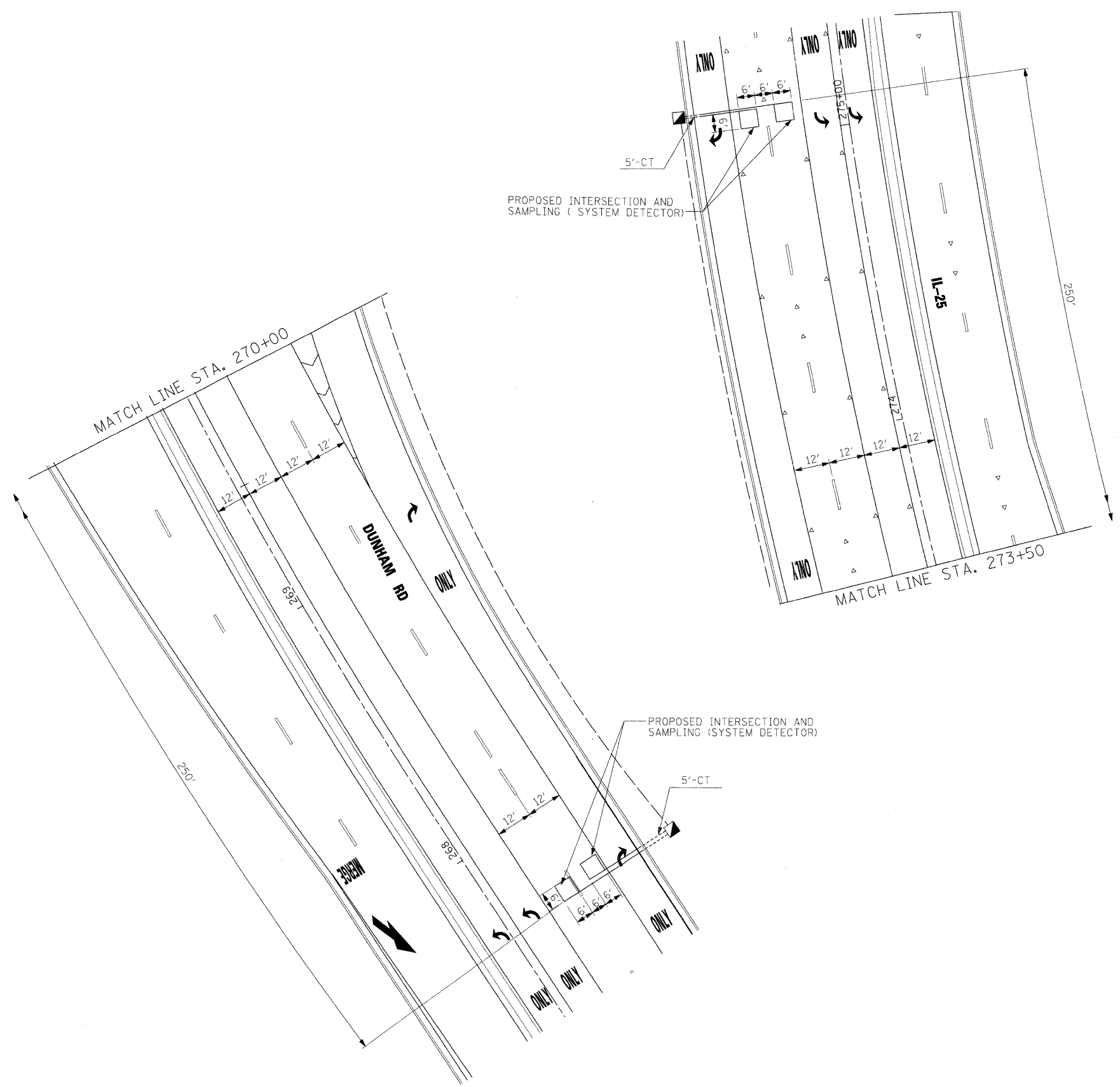
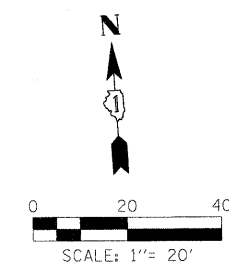


- HEAVY-DUTY HANDHOLE SHALL BE LOCATED AT MINIMUM 2' FROM OUTSIDE FACE OF SOUTH WALL OF BICYCLE UNDERPASS
- ALL DETECTOR LOOPS AT THIS INTERSECTION (INCLUDING SYSTEM DETECTORS) SHALL BE PREFORMED DETECTOR LOOPS (PLACED WITHIN THE PCC PAVEMENT) PER IDOT DISTRICT 1 SPECIAL PROVISIONS.



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

FILE NAME =	USER NAME = #USER#	DESIGNED - GHT/MPM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN IL. RTE. 25 / STEARNS RD AT IL. RTE. 25 / DUNHAM RD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES#	PLOT SCALE = 20,00' / 1" IN.	DRAWN - VLM	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	262	
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -			CONTRACT NO. 63074					
		DATE - 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



① ALL DETECTOR LOOPS OF THIS INTERSECTIONS SHALL BE PREFORMED DETECTOR LOOPS PER IDOT DISTRICT 1 SPECIAL PROVISIONS.

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FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - GHT	REVISED -
		DRAWN - VLM	REVISED -
	PLOT SCALE = 20.00' / IN.	CHECKED - GHT	REVISED -
	PLOT DATE = 3/30/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY
DIVISION OF TRANSPORTATION**

**TRAFFIC SIGNAL
INSTALLATION PLAN
IL. RTE. 25/STEARNS RD AT IL. RTE. 25/DUNHAM RD**

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

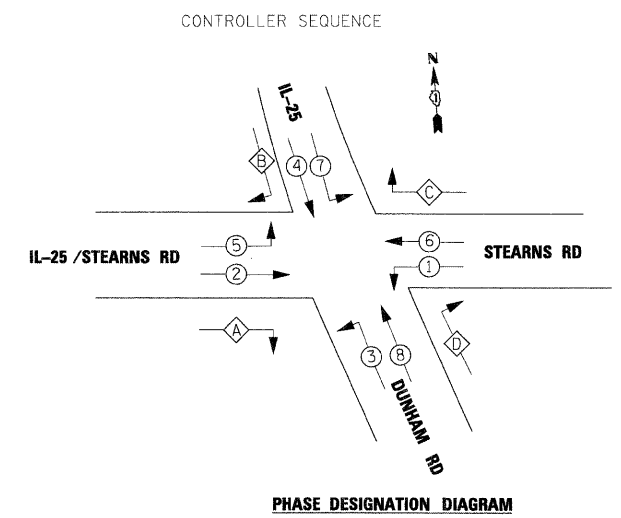
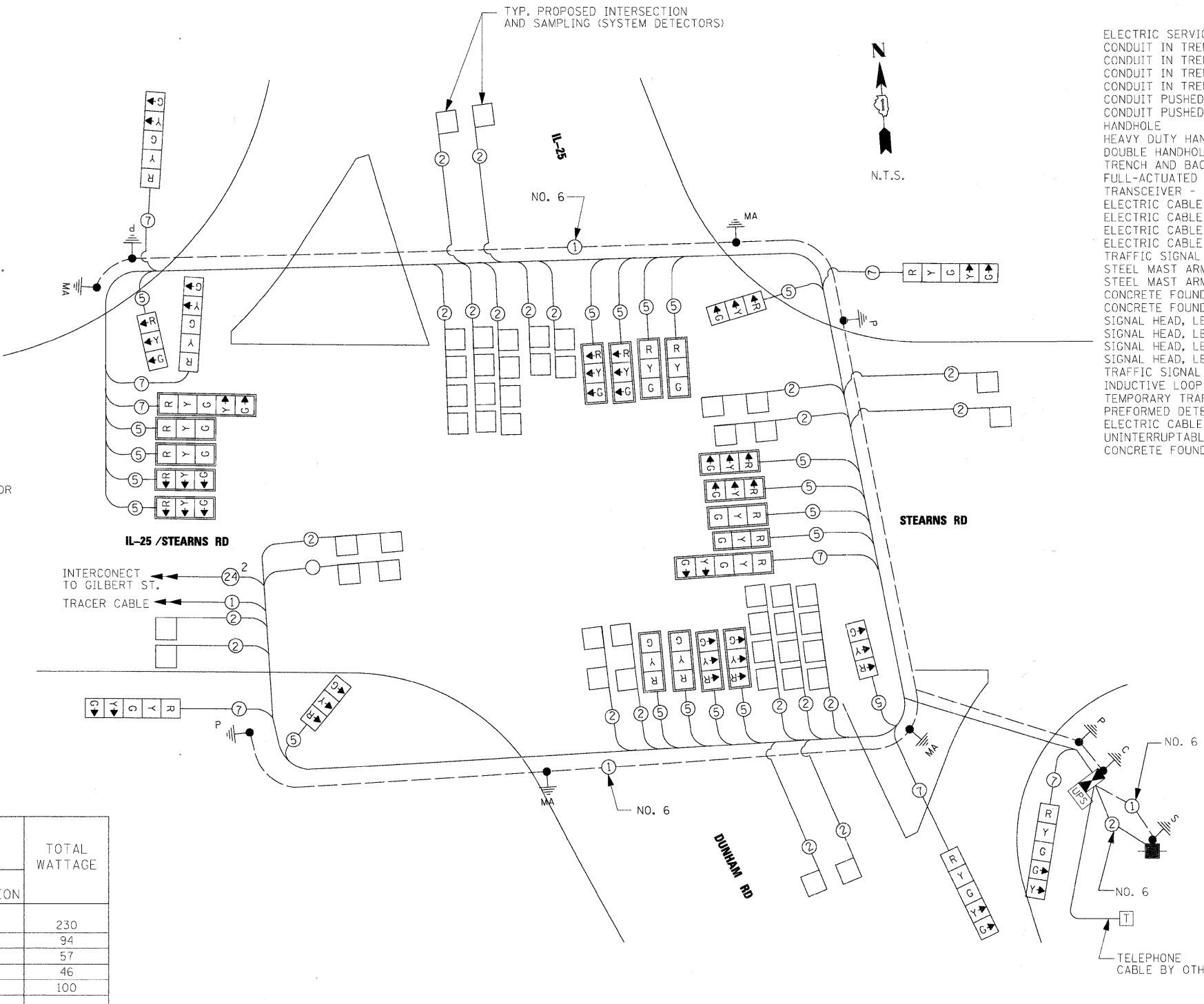
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	263
CONTRACT NO. 63074				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE SIGNAL LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊙	⊙	8" (200mm) TRAFFIC SIGNAL SECTION
⊙	⊙	12" (300mm) TRAFFIC SIGNAL SECTION
⊠	⊠	CONTROLLER CABINET
⊠	⊠	SERVICE INSTALLATION
⊠	⊠	TELEPHONE INSTALLATION
②	②	2 DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
⊕	⊕	GROUND ROD AT CONTROLLER (C).
⊕	⊕	GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
⊕	⊕	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
①	①	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
②④	②④	FIBER OPTIC CABLE IN CONDUIT NO.62.5/125, MM 12F, SM12F
□	□	DETECTOR LOOP
⊠	⊠	EMERGENCY VEHICLE LIGHT DETECTOR
⊠	⊠	CONFIRMATION BEACAN
⊠	⊠	SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
⊠	⊠	UNINTERRUPTABLE POWER SUPPLY

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITIES
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1118
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	65
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	76
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	115
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	224
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	671
HANDHOLE	EACH	8
HEAVY DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1489
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	6681
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	2281
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5841
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	120
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 75 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	16
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	16
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
PREFORMED DETECTOR LOOP	FOOT	1802
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	715
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	100



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

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE LED	%OPERATION	
SIGNAL (RED/ RED ARROW)	27	17	0.50	230
(YELLOW)	15	25	0.25	94
(GREEN)	15	15	0.25	57
ARROW	38	12	0.10	46
CONTROLLER	1	100	1.00	100
FLASHER			0.50	
TOTAL =				527

ALL DETECTOR LOOPS AT THIS INTERSECTION (INCLUDING SYSTEM DETECTORS) SHALL BE PREFORMED DETECTOR LOOPS (PLACED WITHIN THE PCC PAVEMENT) PER IDOT DISTRICT 1 SPECIAL PROVISIONS.

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)=
30" (750mm)	10 (5.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
36" (900 mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSH BUTTON	4 (1.2)
42" (1060 mm)	25 (7.6)	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)

ENERGY COSTS TO: TOTAL = 527

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196

ENERGY SUPPLY CONTACT: MARTY RUBIN
PHONE: 847-608-2400
COMPANY: COMED

FILE NAME =	USER NAME = #USER#	DESIGNED - GHT/MPM	REVISED -
#FILES#		DRAWN - VLM	REVISED -
		CHECKED - GHT	REVISED -
		DATE - 3/31/09	REVISED -
















KANE COUNTY DIVISION OF TRANSPORTATION

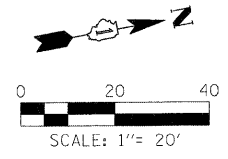
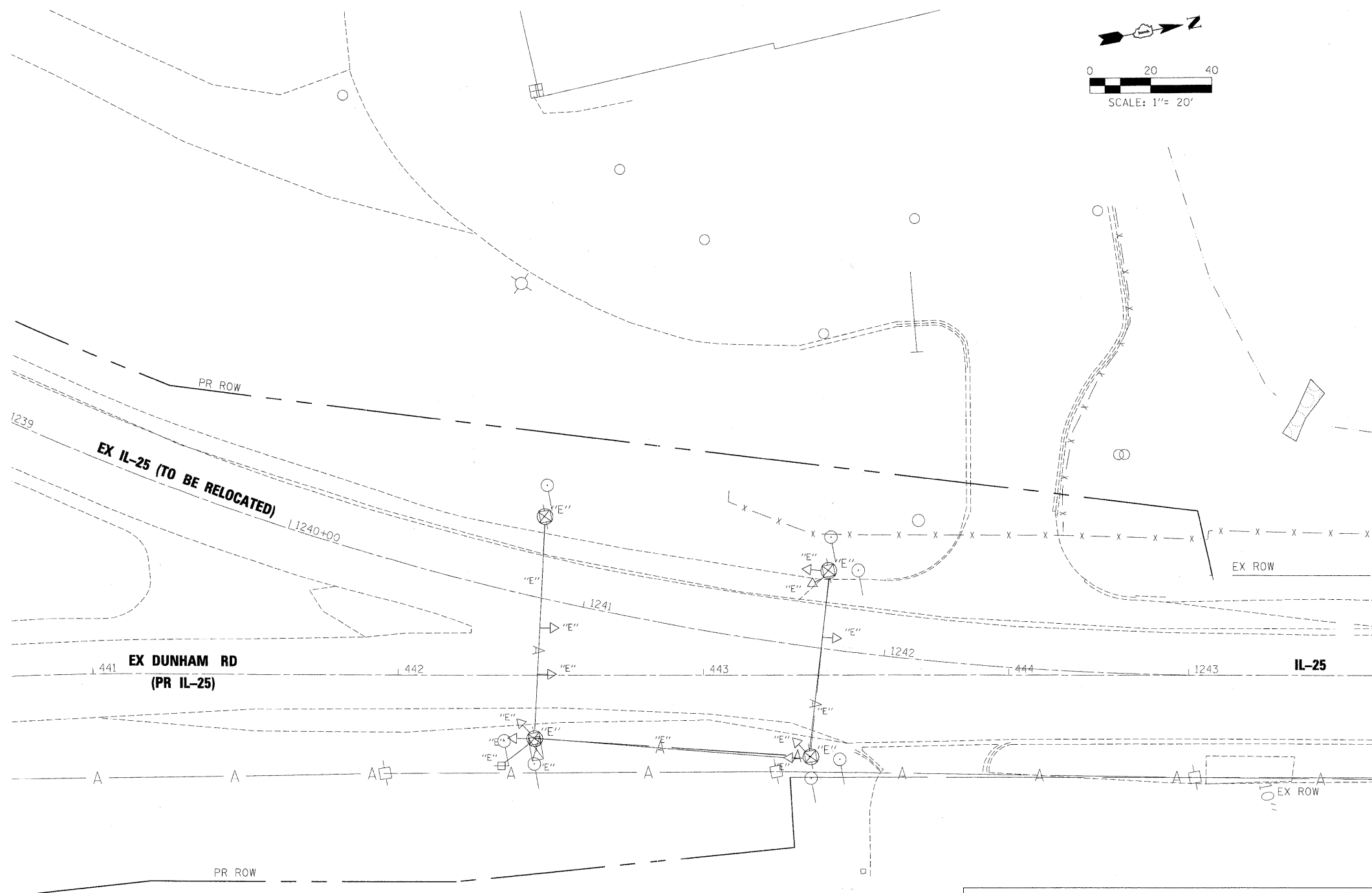
TRAFFIC SIGNAL CABLE PLAN
IL. RTE. 25 / STEARNS RD AT IL. RTE. 25 / DUNHAM RD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	264
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63074	

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EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED 
- EXISTING SERVICE INSTALLATION TO BE REMOVED 
- EXISTING STREET LIGHT, FOUNDATION AND LUMINAIRE TO REMAIN 
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED 
- EXISTING HANDHOLE TO BE REMOVED 
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED 
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED 
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED 
- CONFIRMATION BEACON 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 AERIAL SUSPENDED CABLE TO BE REMOVED 
- EXISTING WOOD POLE TO BE REMOVED 



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

- 1 EACH CONTROLLER AND CABINET, COMPLETE
- 6 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 3 EACH SIGNAL HEAD, 1-FACE, 4-SECTION
- 4 EACH WOOD POLE
- 1 EACH SERVICE INSTALLATION

CONSTRUCTION NOTES

- ① REMOVAL OF EXISTING AERIAL SUSPENDED CABLE SHALL BE INCIDENTAL TO "REMOVE EXISTING TRAFFIC SIGNAL EQUIPEMENT."
- ② ABANDON EXISTING LOOP DETECTORS.

NOTE:
TRAFFIC SIGNALS AT THE INTERSECTION TO REMAIN IN OPERATION UNTIL STAGE 2A OR AS DIRECTED BY THE ENGINEER.

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

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FILE NAME =	USER NAME = *USER*	DESIGNED - GHT/MPM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN EX IL 25 AT DUNHAM RD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#	PLOT SCALE = 20,000' / IN.	DRAWN - VLM	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	265
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -			CONTRACT NO. 63074				
		DATE - 3/31/09	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

EXISTING EQUIPMENT TO BE REMOVED LEGEND

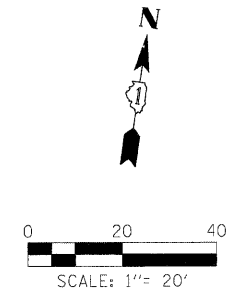
- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED "E"
- EXISTING STREET LIGHT, FOUNDATION AND LUMINAIRE TO REMAIN
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED "E"
- EXISTING HANDHOLE TO BE REMOVED "E"
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED "E"
- 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

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

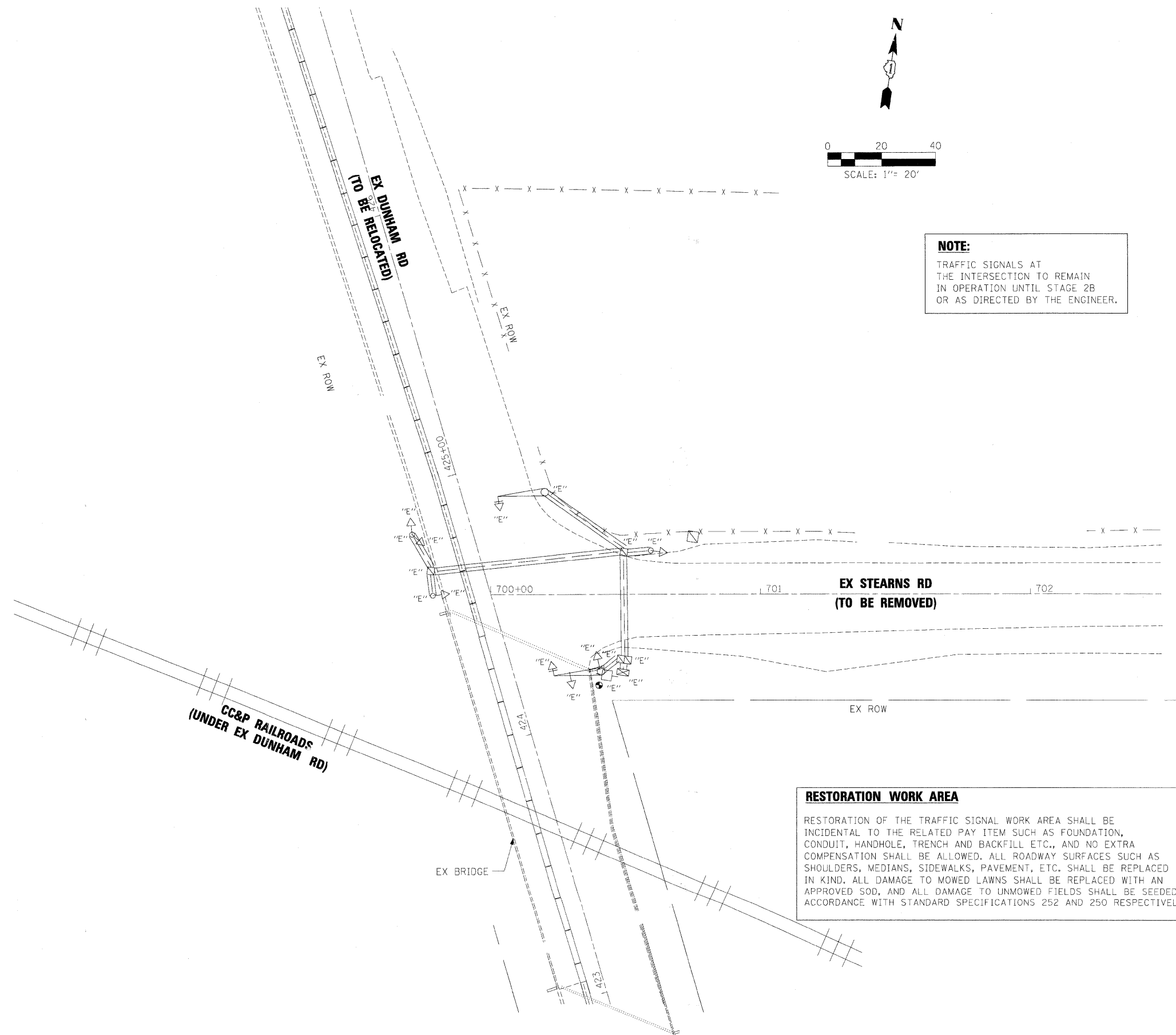
- 1 EACH CONTROLLER AND CABINET, COMPLETE
- 6 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH MAST ARM ASSEMBLYS
- 3 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

CONSTRUCTION NOTES:

- ① REMOVAL OF EXISTING TRAFFIC SIGNAL CABLE FROM EXISTING CONDUIT SHALL BE INCIDENTAL TO "REMOVE EXISTING TRAFFIC SIGNAL EQUIPEMENT."
- ② ABANDON EXISTING LOOP DETECTORS.
- ③ REMOVE EXISTING CONCRETE FOUNDATION IN ACCORDANCE WITH STANDARD SPECIFICATION 895.05 (c).



NOTE:
TRAFFIC SIGNALS AT THE INTERSECTION TO REMAIN IN OPERATION UNTIL STAGE 2B OR AS DIRECTED BY THE ENGINEER.



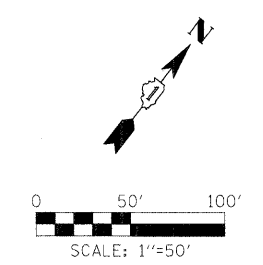
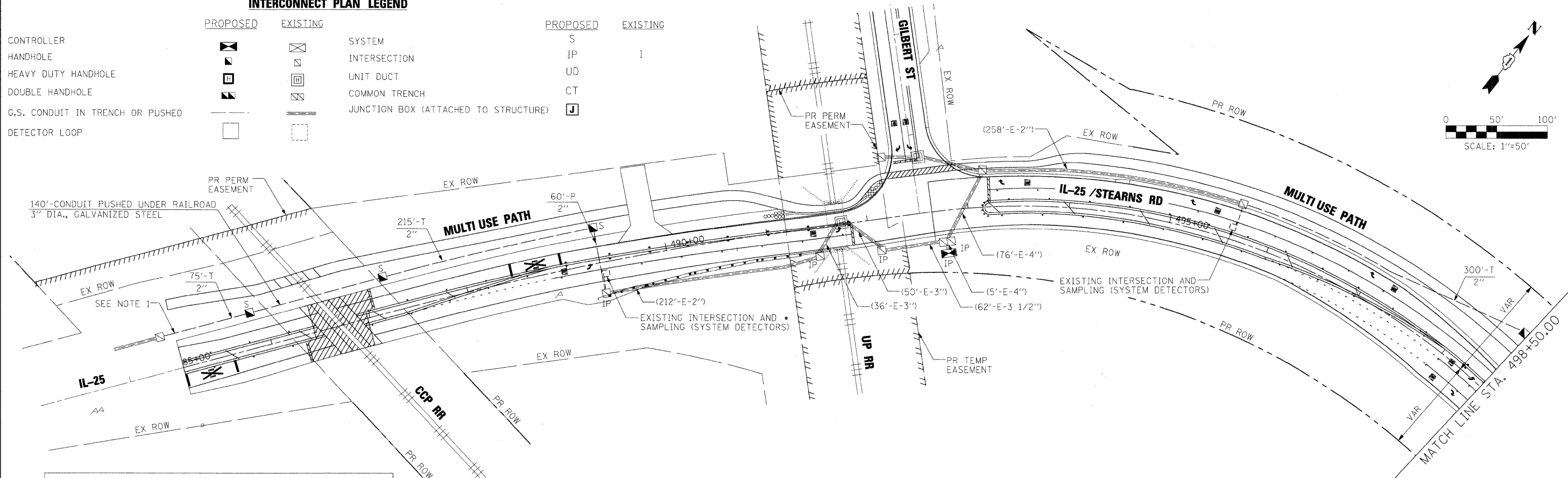
RESTORATION WORK AREA
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE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

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FILE NAME =	USER NAME = #USER#	DESIGNED - GHT/MPM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN EX. DUNHAM AT STEARNS RD	F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 266		
#FILES#	PLOT SCALE = 20.0000' / IN.	CHECKED - GHT	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63074			
	PLOT DATE = 3/30/2009	DATE = 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

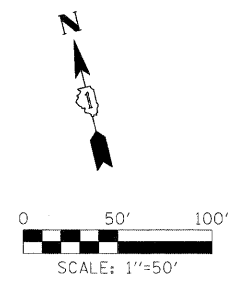
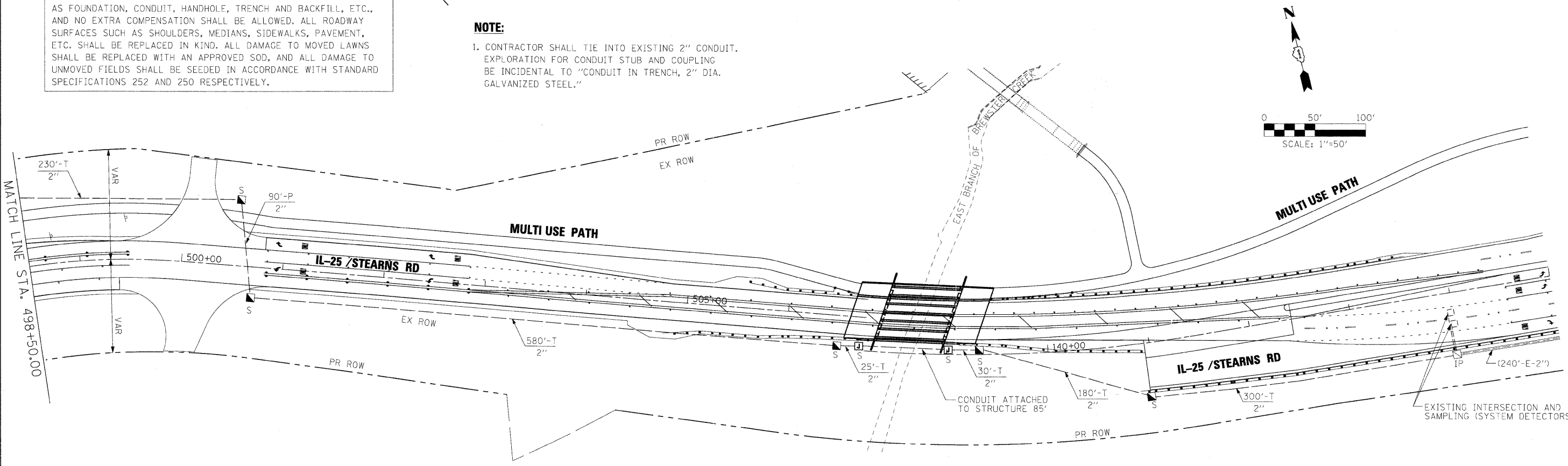
INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER			SYSTEM	S	I
HANDHOLE			INTERSECTION	IP	I
HEAVY DUTY HANDHOLE			UNIT DUCT	UD	
DOUBLE HANDHOLE			COMMON TRENCH	CT	
G.S. CONDUIT IN TRENCH OR PUSHED			JUNCTION BOX (ATTACHED TO STRUCTURE)	J	
DETECTOR LOOP					



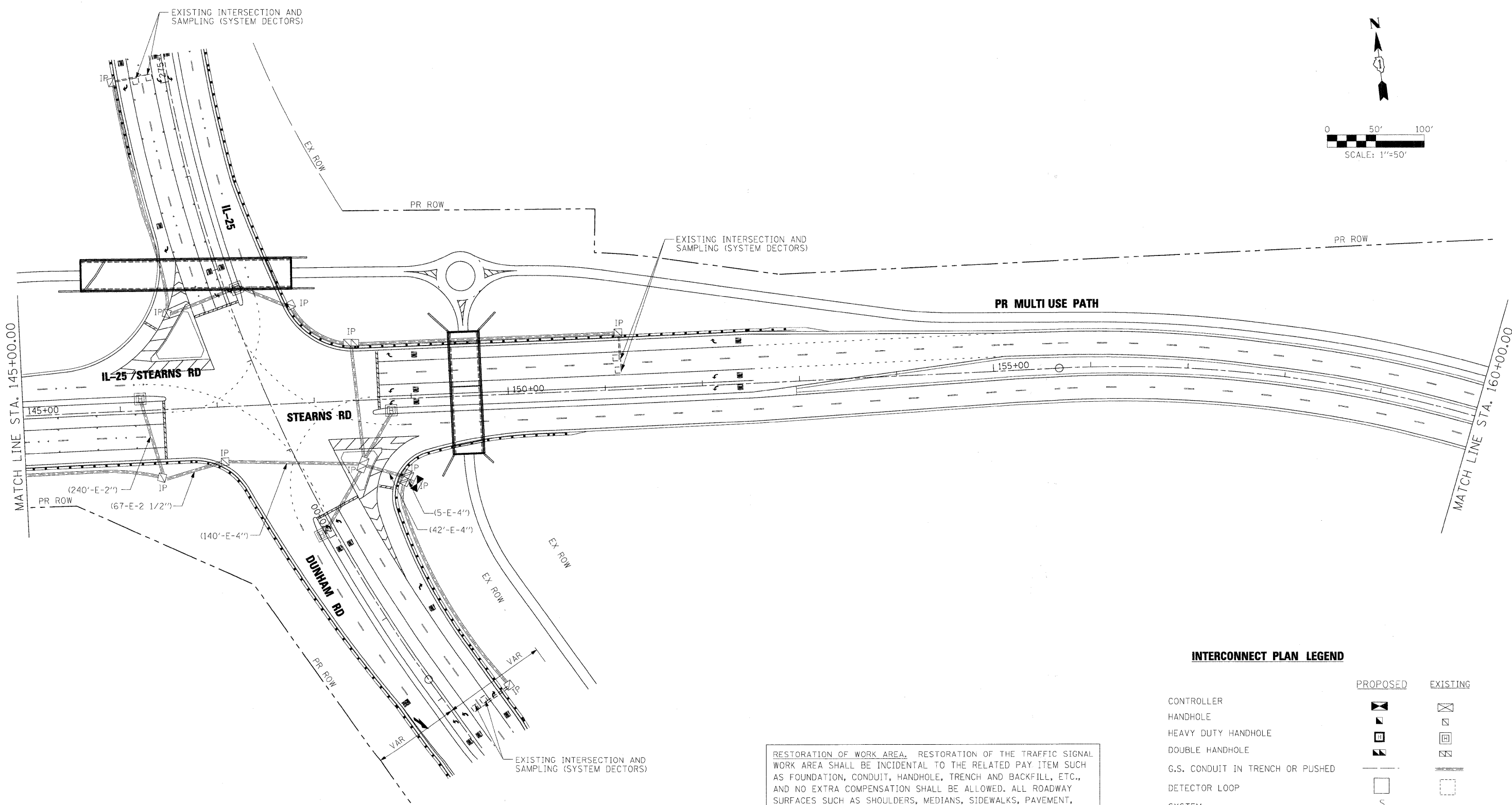
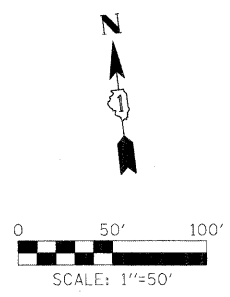
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

NOTE:
 1. CONTRACTOR SHALL TIE INTO EXISTING 2" CONDUIT. EXPLORATION FOR CONDUIT STUB AND COUPLING BE INCIDENTAL TO "CONDUIT IN TRENCH, 2" DIA. GALVANIZED STEEL."



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FILE NAME =	USER NAME = #USER*	DESIGNED - MPM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	INTERCONNECT PLAN (SHEET 1 OF 2) IL. RTE. 25 / STEARNS RD.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES*	PLOT SCALE = 50.0000' / IN.	DRAWN - VLM	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	267	
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -			CONTRACT NO. 63074					
		DATE - 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA. 485+09.91 TO STA. 498+50.00					



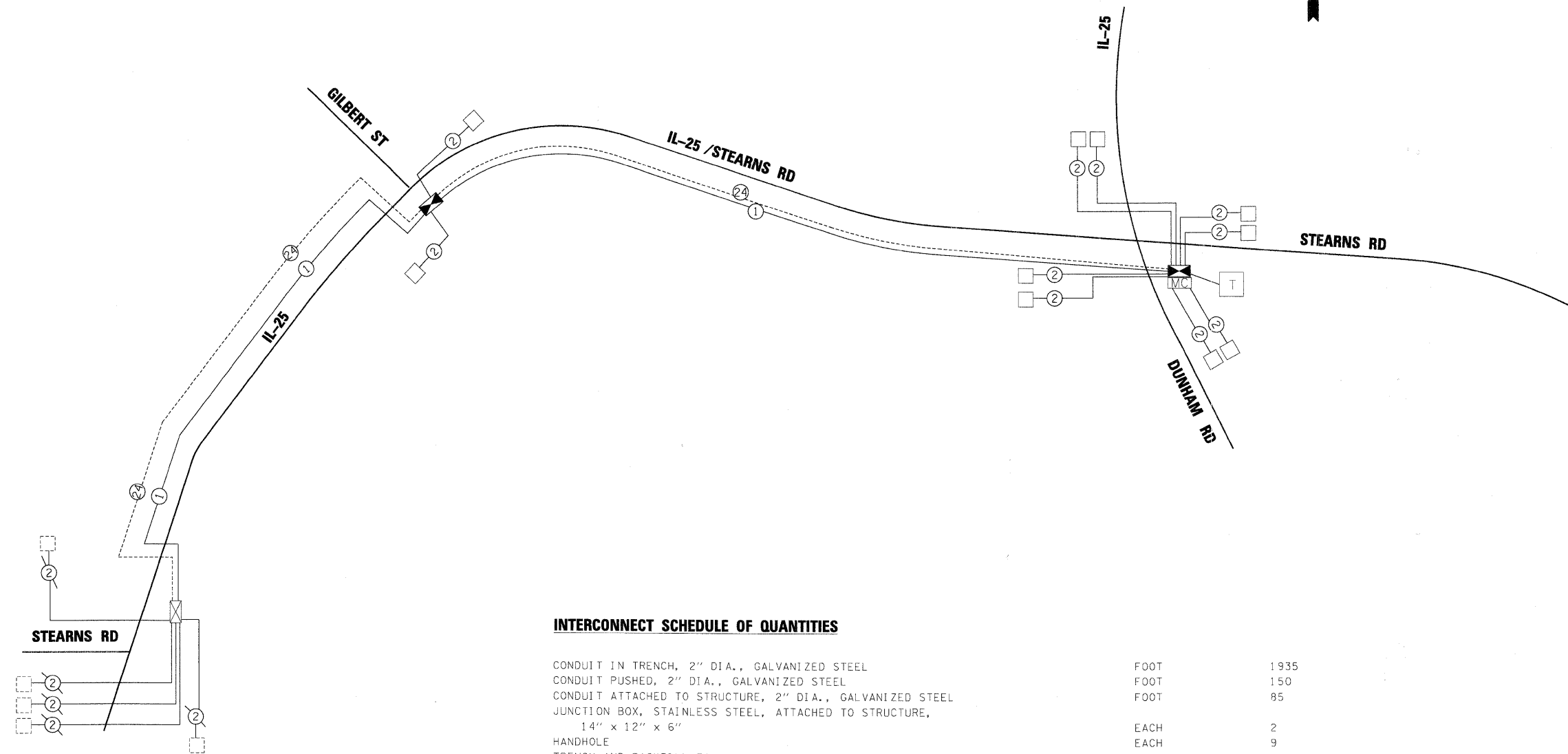
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
SYSTEM	S	I
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	
JUNCTION BOX (ATTACHED TO STRUCTURE)	J	

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FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - JRM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	INTERCONNECT PLAN (SHEET 2 OF 2) IL. RTE. 25 / STEARNS RD.	F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 268	
	PLOT SCALE = 50.0000' / IN.	DRAWN - VLM	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 145+00.00 TO STA. 160+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63074
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -								
		DATE - 3/31/09	REVISED -								



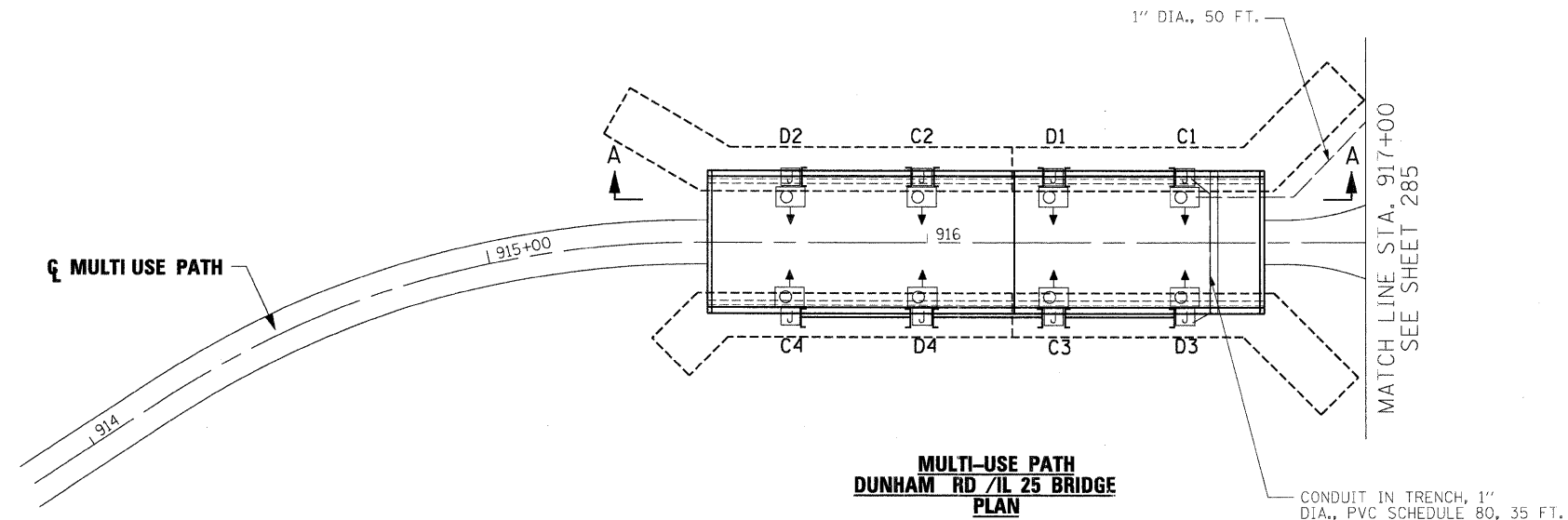
INTERCONNECT SCHEMATIC LEGEND

- EXISTING INTERSECTION CONTROLLER ☒
- PROPOSED INTERSECTION CONTROLLER ☒
- EXISTING MASTER CONTROLLER EMC
- PROPOSED MASTER CONTROLLER EMC
- MASTER MASTER CONTROLLER MMC
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS ☐
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS ☐
- EXISTING INTERSECTION LOOP DETECTORS P
- PROPOSED SAMPLING (SYSTEM) DETECTORS P
- EXISTING SAMPLING (SYSTEM) DETECTORS ES
- PROPOSED SAMPLING (SYSTEM) DETECTORS PS
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. ESP
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS. ESPS
- EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS PD
- PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS PD
- EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS PSPD
- PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS PSPD
- EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F ---24---
- PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F ---24---
- EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE ---12---
- PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE ---12---
- EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED ---6---
- PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED ---6---
- EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED ---2---
- PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED ---2---
- EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED) ---1---
- PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED) ---1---
- EXISTING TELEPHONE CONNECTION T
- PROPOSED TELEPHONE CONNECTION T

INTERCONNECT SCHEDULE OF QUANTITIES

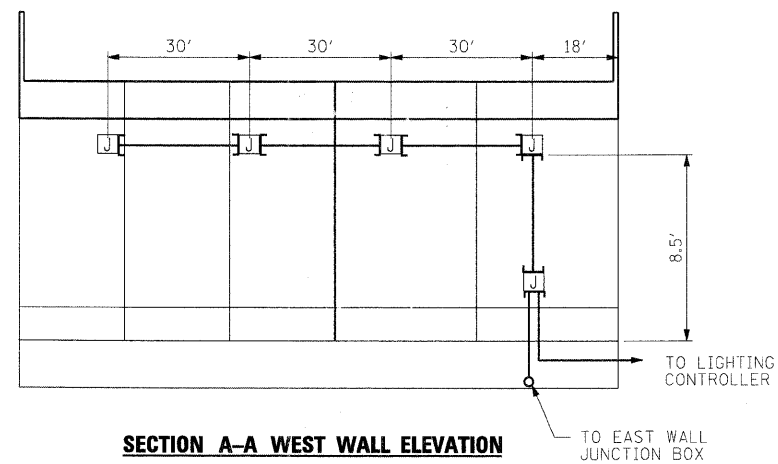
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1935
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	150
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	85
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" x 12" x 6"	EACH	2
HANDHOLE	EACH	9
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1935
ELETRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	4697
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	FOOT	4697
MASTER CONTROLLER, (SPECIAL)	EACH	1
OPTIMIZE TRAFFIC SIGNAL SYSTEM	LSUM	1
CONDUIT PUSHED UNDER RAILROAD, 3"DIA., GALVANIZED STEEL	FOOT	140

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NOTES:








1. FOR GENERAL AND CONSTRUCTION NOTES SEE SHEET 287.



SECTION A-A WEST WALL ELEVATION

N.T.S.

LEGEND

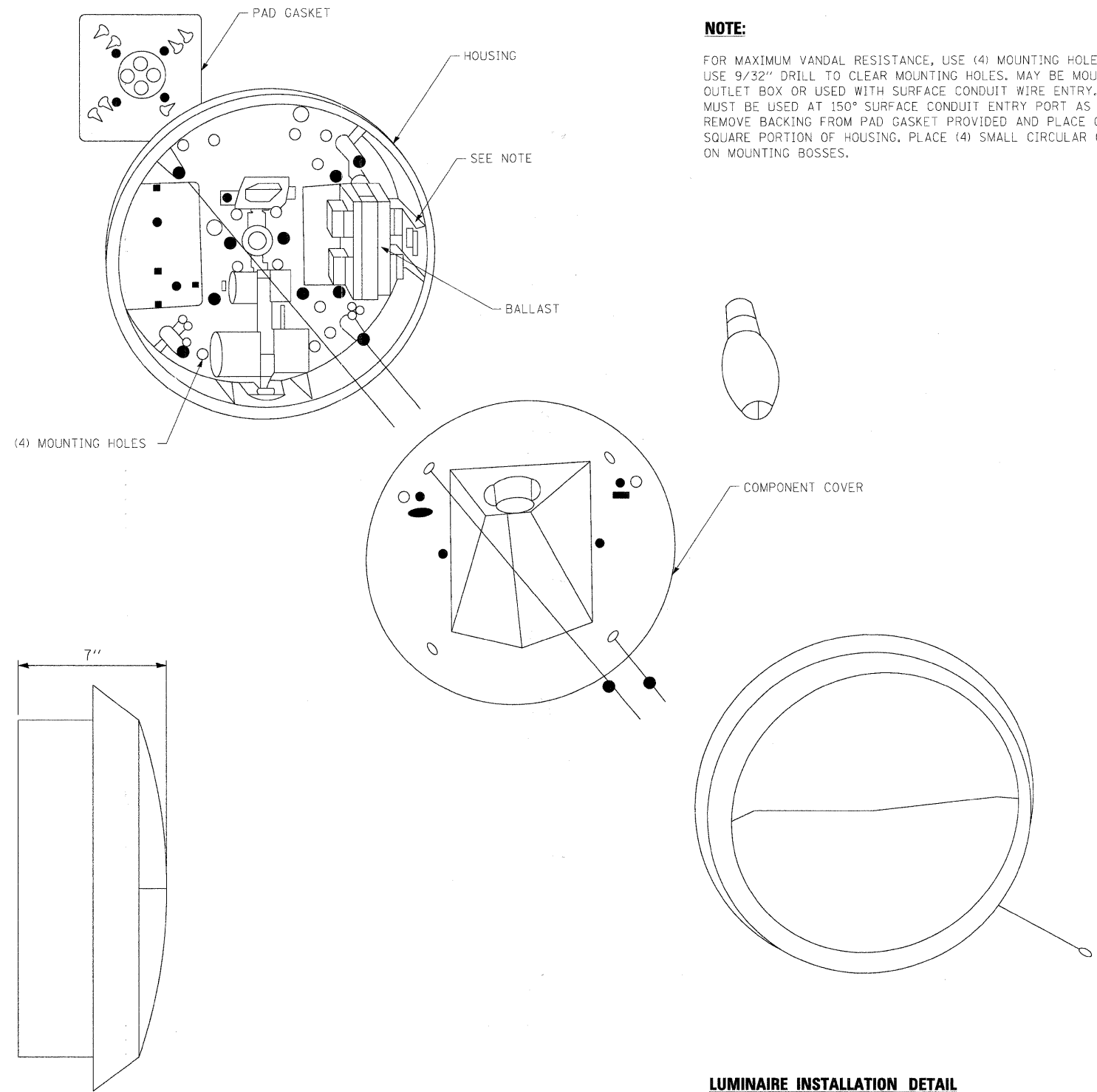
-  PROPOSED ELECTRIC SERVICE INSTALLATION, 120V/240V, 60A
-  PROPOSED LIGHTING CONTROLLER SINGLE DOOR, B-RCS, 60A, 120V/240V
- CIRCUIT DESIGNATION  LUMINAIRE NUMBER
-  PROPOSED UNDERPASS LUMINAIRE 70 WATT, HIGH PRESSURE SODIUM VAPOUR
-  CONDUIT IN TRENCH, 1" DIA., PVC SCHEDULE 40, UNLESS OTHERWISE NOTED, WITH 3-1/8 NO. 10 AND 1-1/8 NO. 10 GROUND (EPR-TYPE RHW)
-  CONDUIT EMBEDDED IN STRUCTURE 1" DIA., PVC, WITH 3-1/8 NO.10 AND 1-1/8 NO. 10 GROUND (EPR-TYPE RHW)
-  PROPOSED ELECTRICAL JUNCTION BOX, 4" x 4" x 3". EMBEDDED IN STRUCTURE

x:\3900\3944\engineering_documents\Lighting\prp_in_ABC_Underpass_Dun_Lp_01.dgn

FILE NAME = #FILES*	USER NAME = #USER*	DESIGNED - XXX	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	UNDERPASS LIGHTING PLAN DUNHAM ROAD / IL 25				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 20,000' / IN.	DRAWN - VLM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	361	06-00214-15-BR	KANE/DUPAGE	545	272
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT									
		DATE - 3/31/09	REVISED -		CONTRACT NO. 63074										

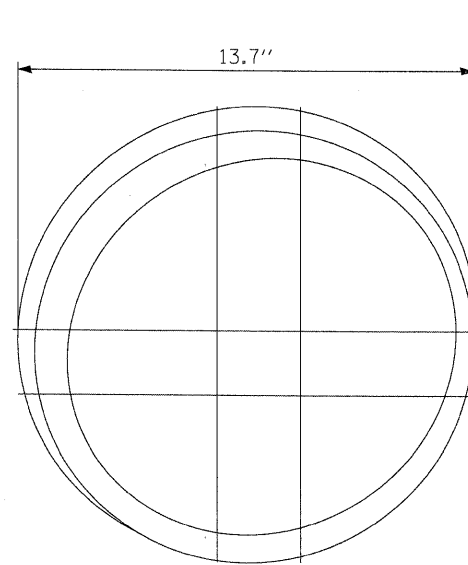
GENERAL & CONSTRUCTION NOTES:

1. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING SERVICES. IF IN PERFORMING WORK DAMAGE TO EXISTING UTILITIES OCCURS, CONTRACTOR SHALL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT.
3. ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
4. CONDUIT SHALL BE 1" PVC. SCHED. 40, UNLESS OTHERWISE NOTED.
5. ALL CONDUIT CROSSING UNDER PAVEMENT SHALL BE 1" PVC. SCHED. 80.
6. THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE. IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND ROD AT THE SERVICE INSTALLATION.
7. ALL LUMINAIRE AND THE STREET LIGHT CONTROLLERS SHALL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600 V. XLP, SIZE AS INDICATED ON PLANS. THIS CONDUCTOR SHALL BE PLACED INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLES.
8. THE COST FOR THE ELECTRIC SERVICE CONNECTION SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.05.
9. JUNCTION BOXES OF "SLIGHTLY" DIFFERENT SIZES THAN THOSE SPECIFIED ON THE PLANS MAY BE USED WHEN APPROVED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT. THIS SHALL NOT RELIEVE THE CONTRACTOR TO CONFORM WITH APPLICABLE CODES.
10. THE LUMINAIRE SHALL BE LITHONIA MODEL VGR4C, OR EQUAL APPROVED BY THE ENGINEER.



NOTE:

FOR MAXIMUM VANDAL RESISTANCE, USE (4) MOUNTING HOLES PROVIDED. USE 9/32" DRILL TO CLEAR MOUNTING HOLES. MAY BE MOUNTED OVER OUTLET BOX OR USED WITH SURFACE CONDUIT WIRE ENTRY. 150°C WIRE MUST BE USED AT 150° SURFACE CONDUIT ENTRY PORT AS LABELED. REMOVE BACKING FROM PAD GASKET PROVIDED AND PLACE ON BACK SQUARE PORTION OF HOUSING. PLACE (4) SMALL CIRCULAR GASKETS ON MOUNTING BOSSES.

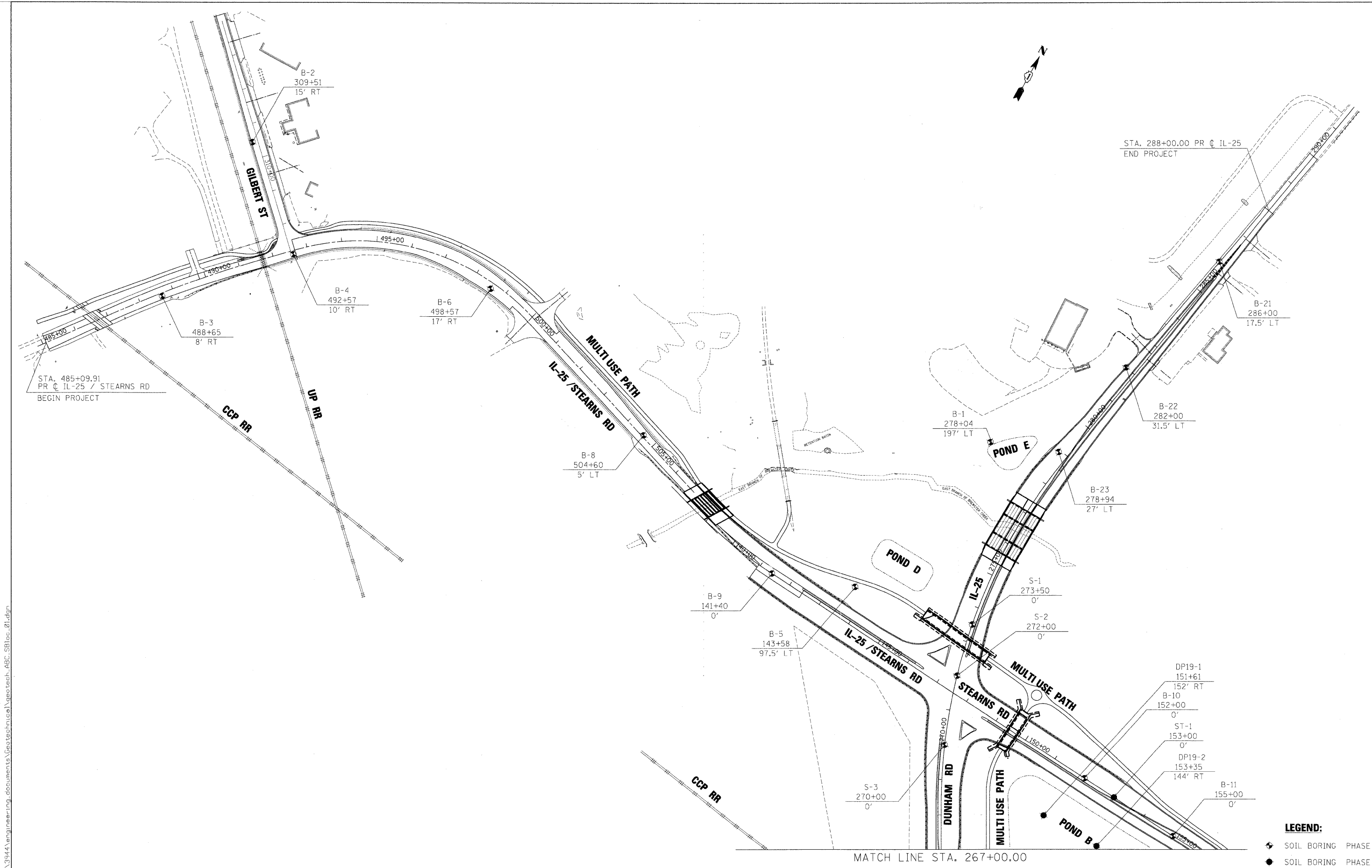


LUMINAIRE DIMENSIONS

LUMINAIRE INSTALLATION DETAIL

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FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - GHT	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	UNDERPASS LIGHTING PLAN MIXED USE PATH UNDERPASS (LIGHTING DETAILS)				F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 273
	PLOT SCALE = 20.0000' / IN.	DRAWN - VLM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 63074		
	PLOT DATE = 3/30/2009	CHECKED - GHT	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE - 3/31/09	REVISED -										



STA. 288+00.00 PR C IL-25
END PROJECT

STA. 485+09.91
PR C IL-25 / STEARNS RD
BEGIN PROJECT

MATCH LINE STA. 267+00.00

- LEGEND:**
- ◆ SOIL BORING PHASE 2
 - SOIL BORING PHASE 1

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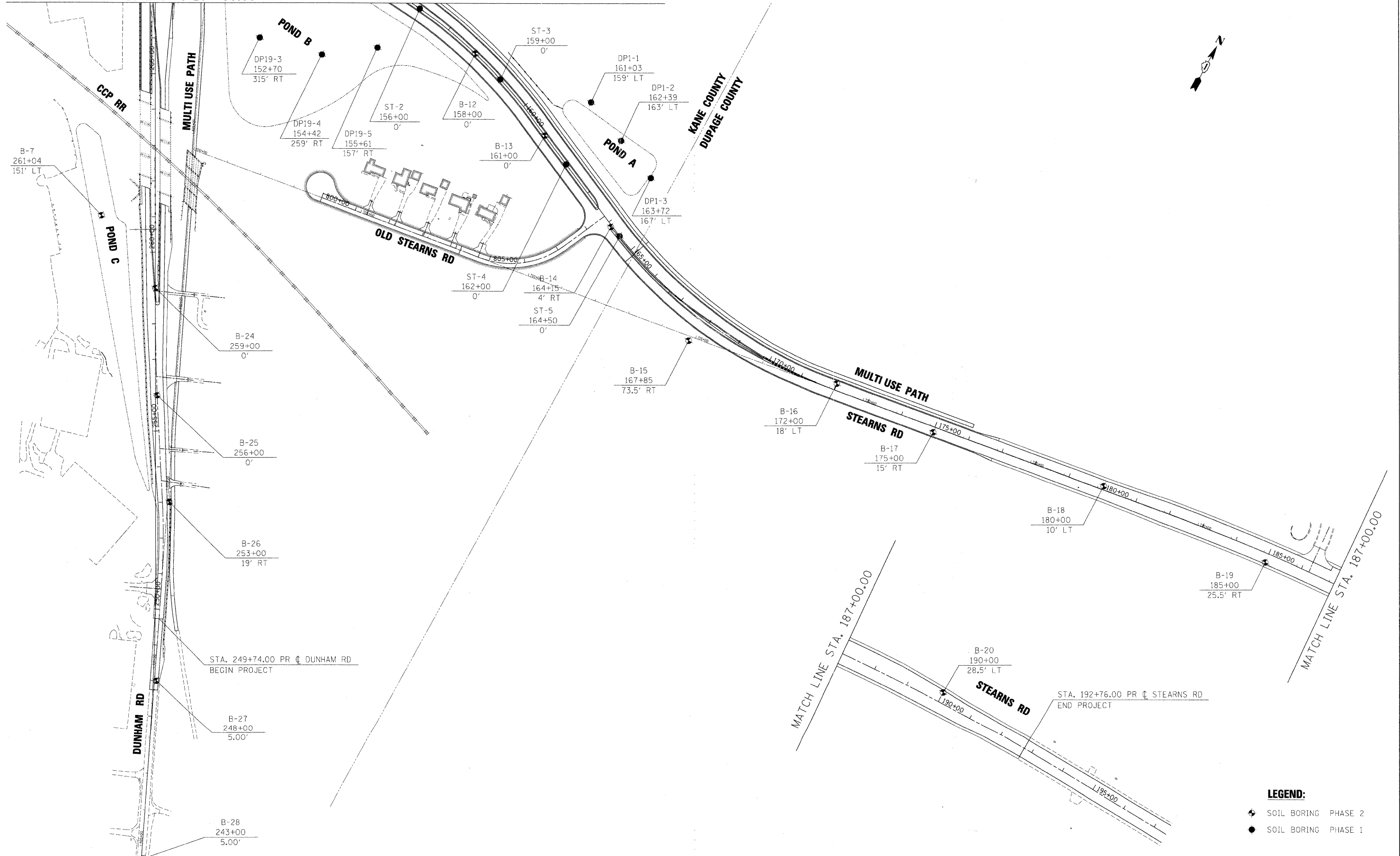
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		DRAWN - VLM	REVISED -
		CHECKED - JNR	REVISED -
		DATE - 3/31/09	REVISED -

**KANE COUNTY
DIVISION OF TRANSPORTATION**

SOIL BORING LOCATIONS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

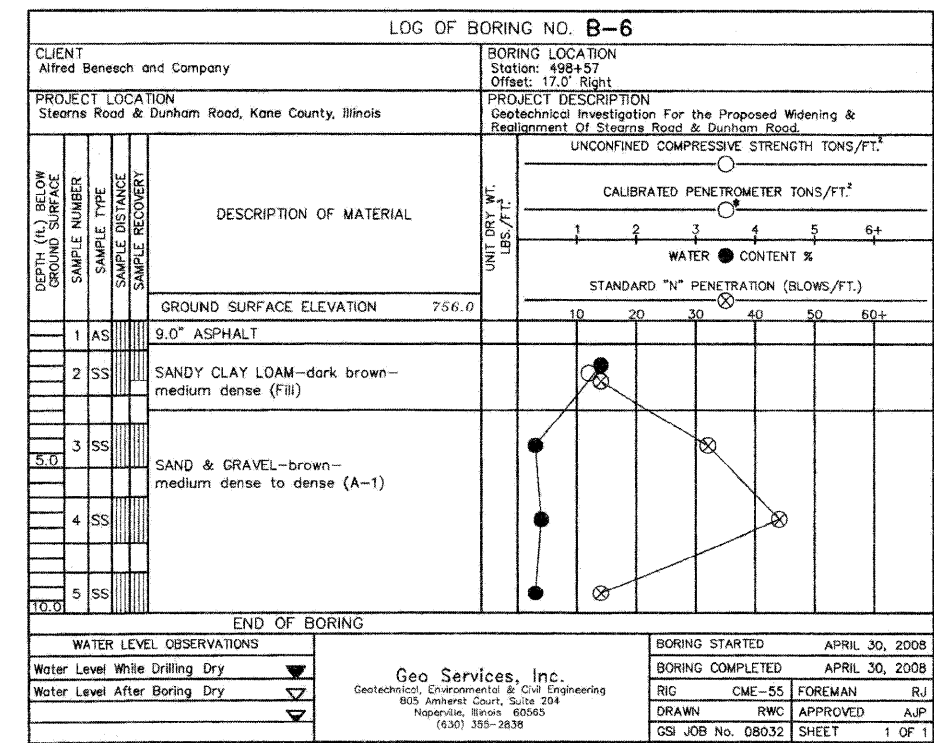
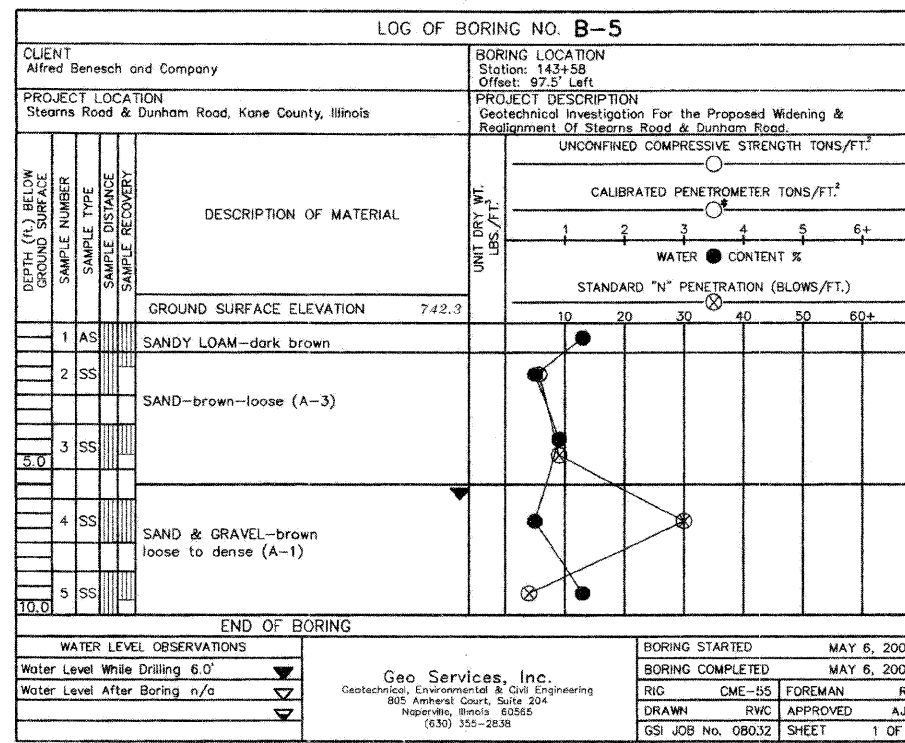
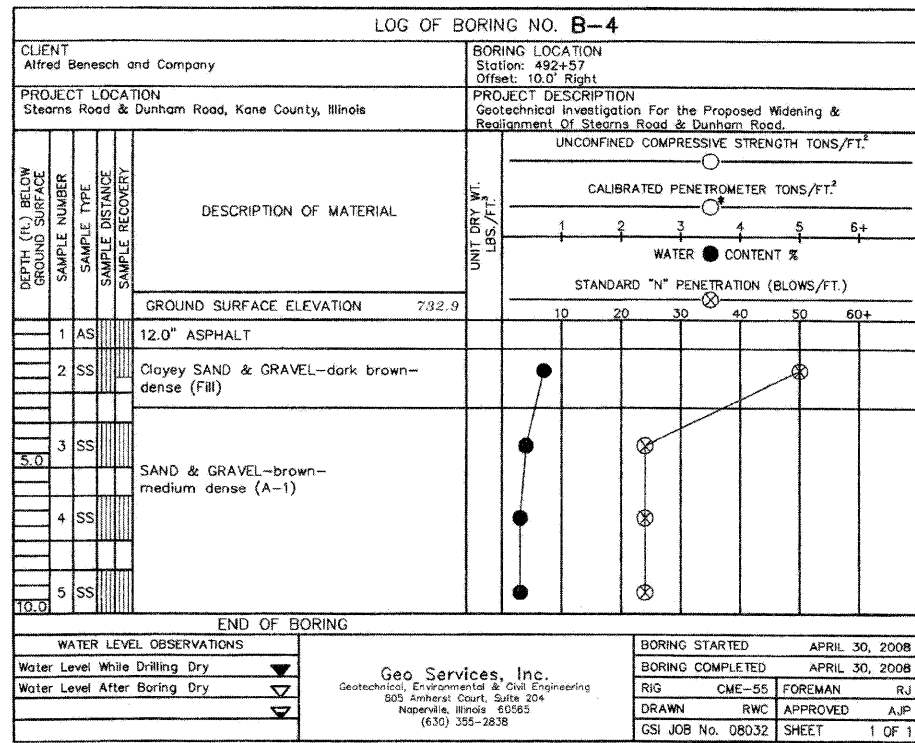
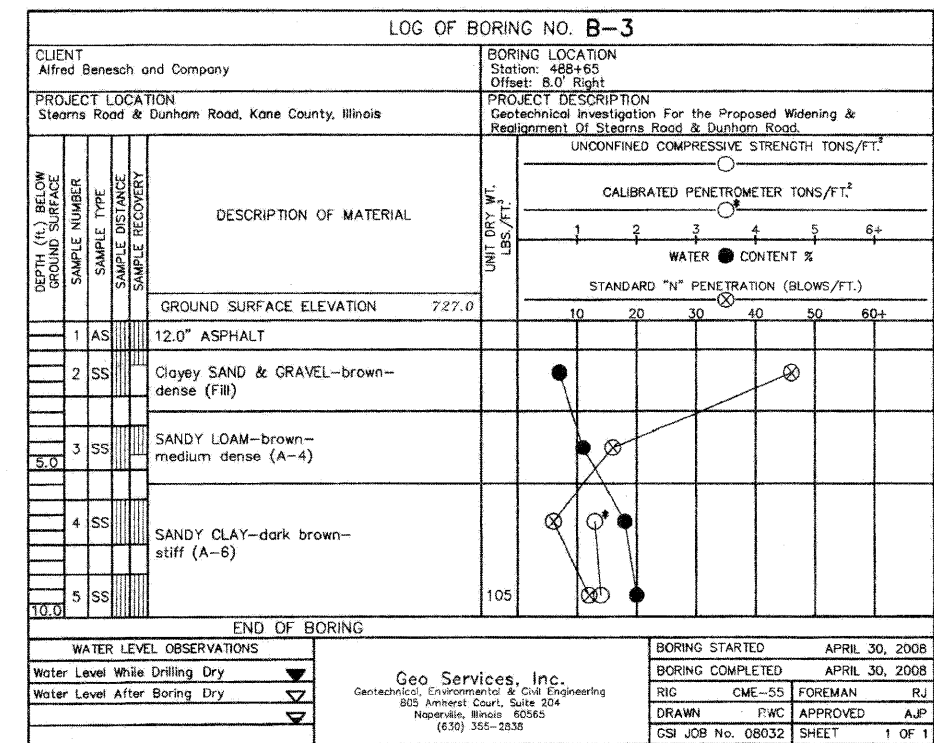
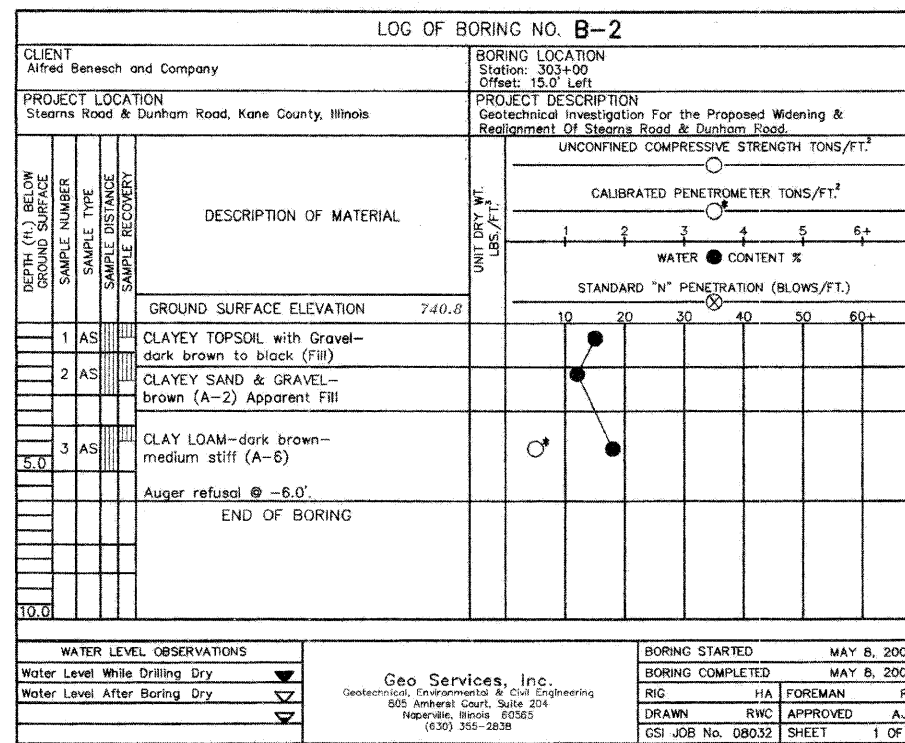
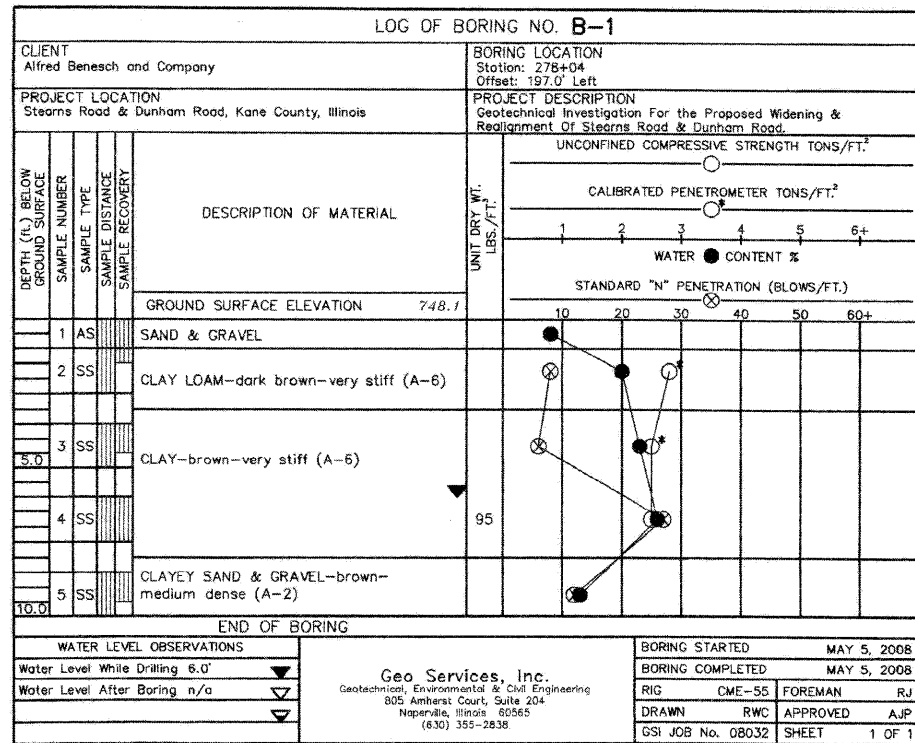
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	275
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 267+00.00



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FILE NAME =	USER NAME = #USER#	DESIGNED - XXX	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	SOIL BORING LOCATIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES#		DRAWN - VLM	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	361	06-00214-15-BR	KANE/DUPAGE	545	276
		CHECKED - JNR	REVISED -		CONTRACT NO. 63074									
		DATE - 3/31/09	REVISED -		ILLINOIS FED. AID PROJECT									



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LOG OF BORING NO. B-7	
CLIENT Alfred Benesch and Company	
BORING LOCATION Station: 261+04 Offset: 151.0' Left	
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois	
PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.	
DEPTH (ft.) BELOW GROUND SURFACE	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT. ²
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD "N" PENETRATION (BLOWS/FT.)
SAMPLE RECOVERY	
	GROUND SURFACE ELEVATION 760.2
1 AS	TOPSOIL with Gravel-black
2 SS	CLAY LOAM-brown-stiff to very stiff (A-6)
3 AS	Auger refusal @ -4.0'
5.0	END OF BORING
10.0	
WATER LEVEL OBSERVATIONS	
Water Level While Drilling Dry	
Water Level After Boring Dry	
BORING STARTED MAY 8, 2008	
BORING COMPLETED MAY 8, 2008	
RIG CME-55 FOREMAN RJ	
DRAWN RWC APPROVED AJP	
GSI JOB No. 08032 SHEET 1 OF 1	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	

LOG OF BORING NO. B-8	
CLIENT Alfred Benesch and Company	
BORING LOCATION Station: 504+60 Offset: 5.0' Left	
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois	
PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.	
DEPTH (ft.) BELOW GROUND SURFACE	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT. ²
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD "N" PENETRATION (BLOWS/FT.)
SAMPLE RECOVERY	
	GROUND SURFACE ELEVATION 742.8
1 AS	12.0" ASPHALT
2 SS	SANDY LOAM-brown & gray-loose to medium dense (A-4)
3 SS	Apparent Fill
4 SS	SAND & GRAVEL-brown-medium dense to dense (A-1)
5 SS	
10.0	END OF BORING
WATER LEVEL OBSERVATIONS	
Water Level While Drilling 6.0'	
Water Level After Boring n/a	
BORING STARTED APRIL 30, 2008	
BORING COMPLETED APRIL 30, 2008	
RIG CME-55 FOREMAN RJ	
DRAWN RWC APPROVED AJP	
GSI JOB No. 08032 SHEET 1 OF 1	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	

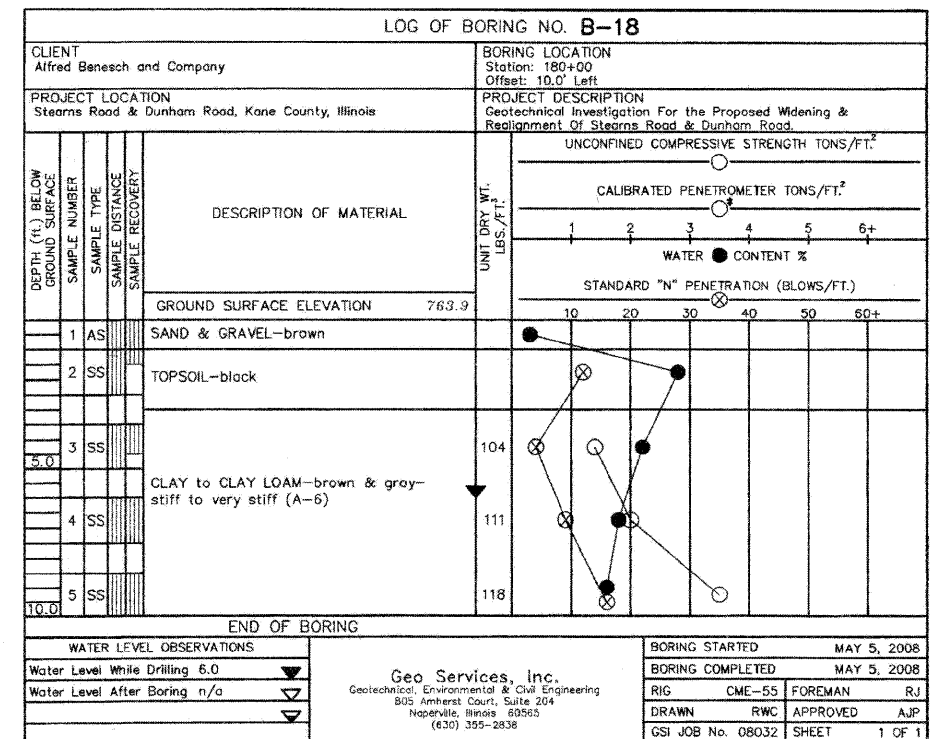
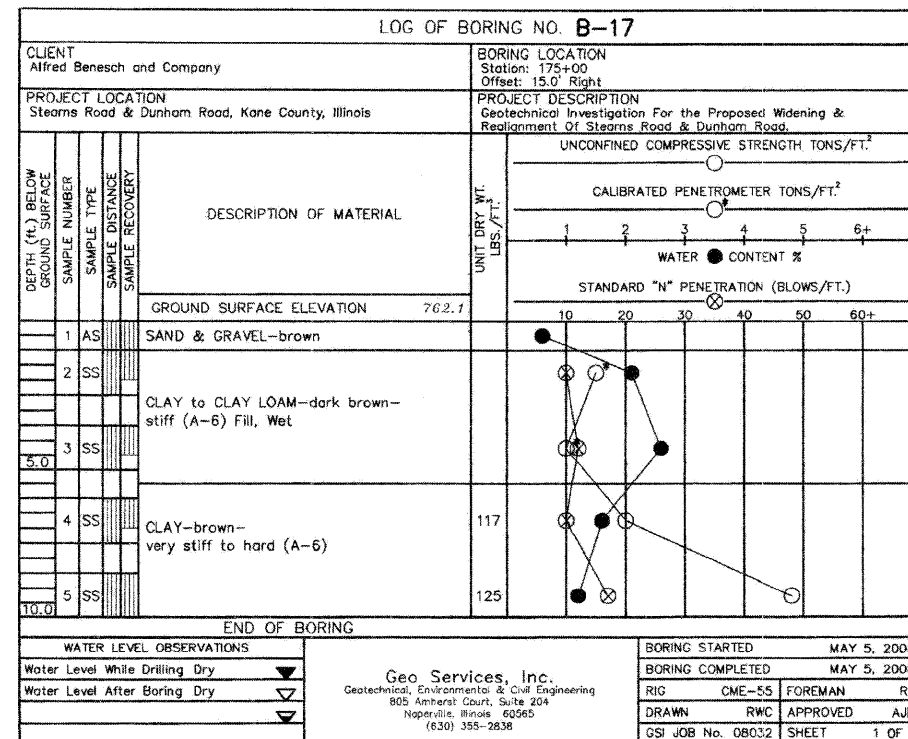
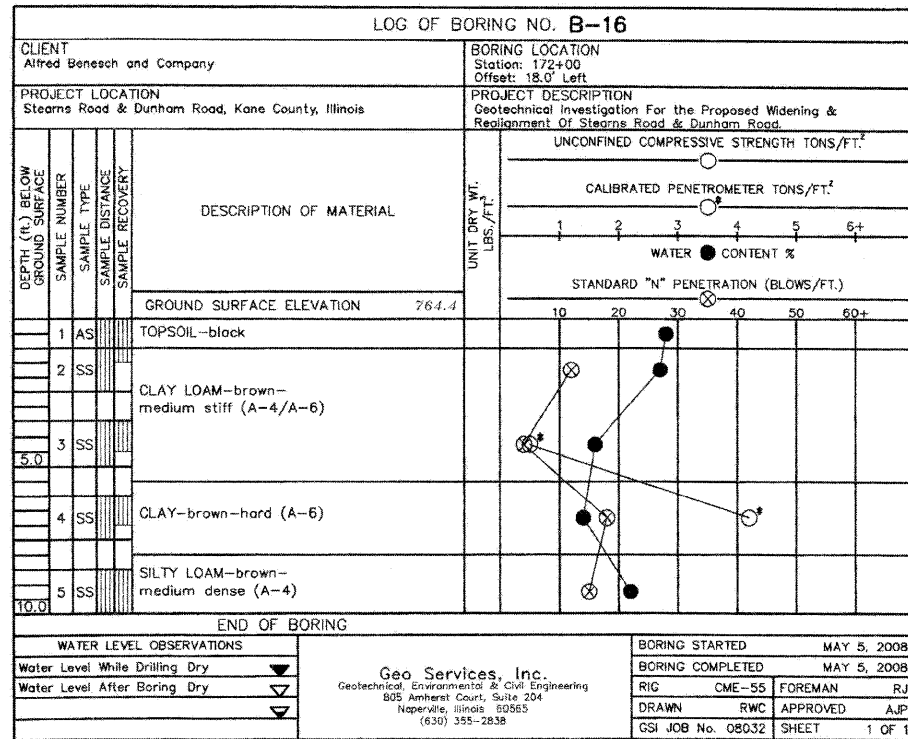
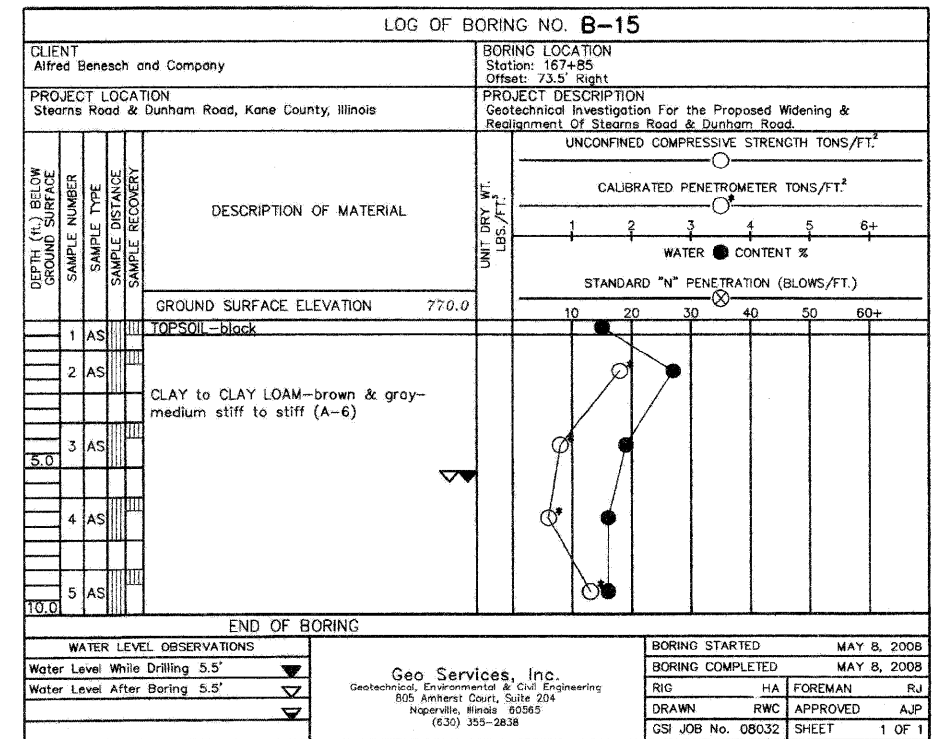
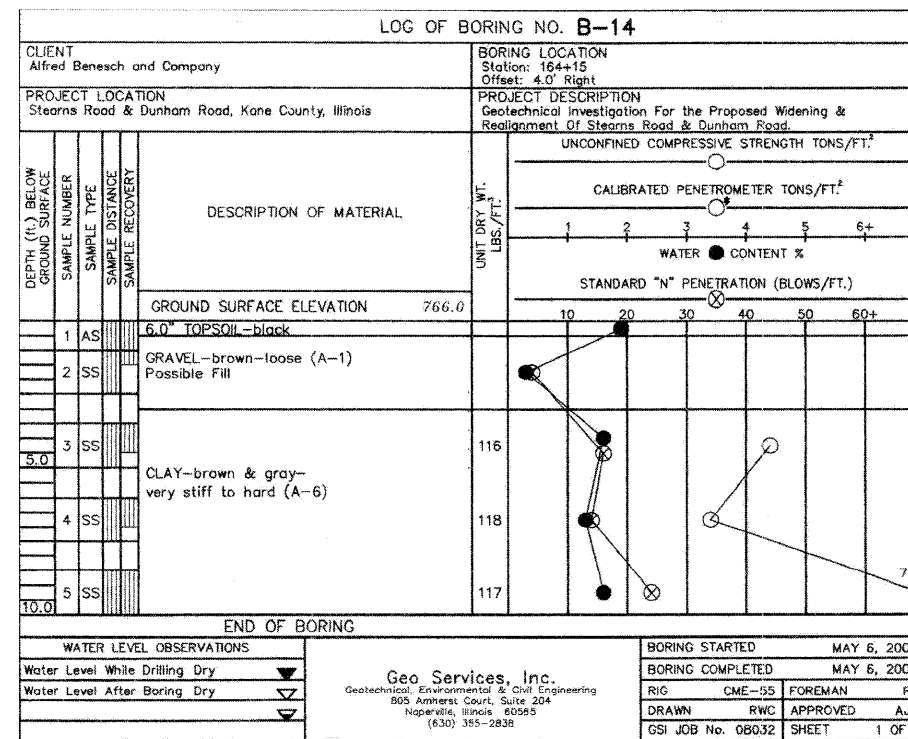
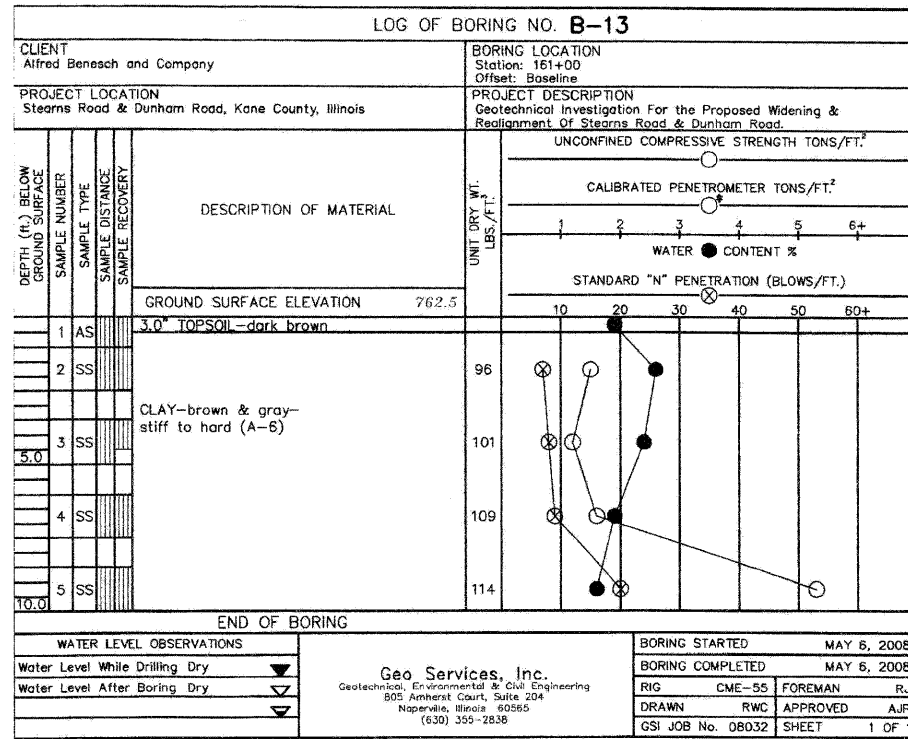
LOG OF BORING NO. B-9	
CLIENT Alfred Benesch and Company	
BORING LOCATION Station: 141+40 Offset: Baseline	
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois	
PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.	
DEPTH (ft.) BELOW GROUND SURFACE	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT. ²
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD "N" PENETRATION (BLOWS/FT.)
SAMPLE RECOVERY	
	GROUND SURFACE ELEVATION 741.0
1 AS	3.0" TOPSOIL-dark brown to black
2 SS	GRAVEL, STONE & CONCRETE-medium dense (Fill)
3 SS	
4 SS	SAND & GRAVEL-brown-medium dense to dense (A-1)
5 SS	
10.0	END OF BORING
WATER LEVEL OBSERVATIONS	
Water Level While Drilling 8.5'	
Water Level After Boring n/a	
BORING STARTED MAY 8, 2008	
BORING COMPLETED MAY 8, 2008	
RIG CME-55 FOREMAN RJ	
DRAWN RWC APPROVED AJP	
GSI JOB No. 08032 SHEET 1 OF 1	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	

LOG OF BORING NO. B-10	
CLIENT Alfred Benesch and Company	
BORING LOCATION Station: 152+00 Offset: Baseline	
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois	
PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.	
DEPTH (ft.) BELOW GROUND SURFACE	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT. ²
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD "N" PENETRATION (BLOWS/FT.)
SAMPLE RECOVERY	
	GROUND SURFACE ELEVATION 744.5
1 AS	3.0" TOPSOIL-dark brown
2 SS	CLAY-brown & gray-stiff (A-6)
3 SS	
4 SS	SAND & GRAVEL-brown-medium dense (A-1)
5 SS	CLAY-gray-very stiff (A-6)
10.0	END OF BORING
WATER LEVEL OBSERVATIONS	
Water Level While Drilling 10.0'	
Water Level After Boring n/a	
BORING STARTED MAY 8, 2008	
BORING COMPLETED MAY 6, 2008	
RIG CME-55 FOREMAN RJ	
DRAWN RWC APPROVED AJP	
GSI JOB No. 08032 SHEET 1 OF 1	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	

LOG OF BORING NO. B-11	
CLIENT Alfred Benesch and Company	
BORING LOCATION Station: 155+00 Offset: Baseline	
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois	
PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.	
DEPTH (ft.) BELOW GROUND SURFACE	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT. ²
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD "N" PENETRATION (BLOWS/FT.)
SAMPLE RECOVERY	
	GROUND SURFACE ELEVATION 751.5
1 AS	3.0" TOPSOIL-dark brown
2 SS	CLAY-brown-stiff to very stiff (A-6)
3 SS	
4 SS	SAND & GRAVEL-brown-medium dense to dense (A-1)
5 SS	
10.0	END OF BORING
WATER LEVEL OBSERVATIONS	
Water Level While Drilling Dry	
Water Level After Boring Dry	
BORING STARTED MAY 6, 2008	
BORING COMPLETED MAY 6, 2008	
RIG CME-55 FOREMAN RJ	
DRAWN RWC APPROVED AJP	
GSI JOB No. 08032 SHEET 1 OF 1	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	

LOG OF BORING NO. B-12	
CLIENT Alfred Benesch and Company	
BORING LOCATION Station: 158+00 Offset: Baseline	
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois	
PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.	
DEPTH (ft.) BELOW GROUND SURFACE	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT. ²
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD "N" PENETRATION (BLOWS/FT.)
SAMPLE RECOVERY	
	GROUND SURFACE ELEVATION 756.4
1 AS	3.0" TOPSOIL-dark brown
2 SS	
3 SS	CLAY-brown & gray-very stiff to hard (A-6)
4 SS	
5 SS	
10.0	END OF BORING
WATER LEVEL OBSERVATIONS	
Water Level While Drilling Dry	
Water Level After Boring Dry	
BORING STARTED MAY 6, 2008	
BORING COMPLETED MAY 6, 2008	
RIG CME-55 FOREMAN RJ	
DRAWN RWC APPROVED AJP	
GSI JOB No. 08032 SHEET 1 OF 1	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	

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LOG OF BORING NO. B-19												
CLIENT Alfred Benesch and Company			BORING LOCATION Station: 185+00 Offset: 25.5' Right									
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois			PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.									
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²	1	2	3	4	5	6+
						CALIBRATED PENETROMETER TONS/FT. ²						
						WATER CONTENT %	1	2	3	4	5	6+
						STANDARD "N" PENETRATION (BLOWS/FT.)	10	20	30	40	50	60+
GROUND SURFACE ELEVATION 767.0												
1	AS				SAND & GRAVEL-brown							
2	SS				CLAY-dark brown & gray-stiff to very stiff (A-6) Wet, Fill							
3	SS											
5.0												
4	SS				CLAY LOAM to LOAM-brown-loose (A-4)							
5	SS				CLAY-brown & gray-hard (A-6)							
10.0												
END OF BORING										UNIT DRY WT. LBS./FT. 120		
WATER LEVEL OBSERVATIONS			BORING STARTED MAY 5, 2008				BORING COMPLETED MAY 5, 2008					
Water Level While Drilling 6.0'			RIG CME-55 FOREMAN RJ				DRAWN RWC APPROVED AJP			GSI JOB No. 08032 SHEET 1 OF 1		
Water Level After Boring n/a			Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

LOG OF BORING NO. B-20												
CLIENT Alfred Benesch and Company			BORING LOCATION Station: 190+00 Offset: 28.5' Left									
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois			PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.									
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²	1	2	3	4	5	6+
						CALIBRATED PENETROMETER TONS/FT. ²						
						WATER CONTENT %	1	2	3	4	5	6+
						STANDARD "N" PENETRATION (BLOWS/FT.)	10	20	30	40	50	60+
GROUND SURFACE ELEVATION 769.9												
1	AS				SAND & GRAVEL-brown							
2	SS				CRUSHED ASPHALT-medium dense							
3	SS				SAND, GRAVEL & STONE-loose (Fill)							
5.0												
4	SS				CLAY LOAM-brown & gray-medium stiff (A-4/A-6)							
5	SS											
10.0												
END OF BORING										UNIT DRY WT. LBS./FT.		
WATER LEVEL OBSERVATIONS			BORING STARTED MAY 5, 2008				BORING COMPLETED MAY 5, 2008					
Water Level While Drilling 10.0'			RIG CME-55 FOREMAN RJ				DRAWN RWC APPROVED AJP			GSI JOB No. 08032 SHEET 1 OF 1		
Water Level After Boring n/a			Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

LOG OF BORING NO. B-21												
CLIENT Alfred Benesch and Company			BORING LOCATION Station: 286+00 Offset: 17.5' Left									
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois			PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.									
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²	1	2	3	4	5	6+
						CALIBRATED PENETROMETER TONS/FT. ²						
						WATER CONTENT %	1	2	3	4	5	6+
						STANDARD "N" PENETRATION (BLOWS/FT.)	10	20	30	40	50	60+
GROUND SURFACE ELEVATION 759.2												
1	AS				SAND & GRAVEL-brown-medium dense to dense (A-1)							
2	SS											
3	SS											
5.0												
4	SS											
5	SS											
10.0												
END OF BORING										UNIT DRY WT. LBS./FT.		
WATER LEVEL OBSERVATIONS			BORING STARTED MAY 2, 2008				BORING COMPLETED MAY 2, 2008					
Water Level While Drilling Dry			RIG CME-55 FOREMAN RJ				DRAWN RWC APPROVED AJP			GSI JOB No. 08032 SHEET 1 OF 1		
Water Level After Boring Dry			Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

LOG OF BORING NO. B-22												
CLIENT Alfred Benesch and Company			BORING LOCATION Station: 282+00 Offset: 31.5' Left									
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois			PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.									
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²	1	2	3	4	5	6+
						CALIBRATED PENETROMETER TONS/FT. ²						
						WATER CONTENT %	1	2	3	4	5	6+
						STANDARD "N" PENETRATION (BLOWS/FT.)	10	20	30	40	50	60+
GROUND SURFACE ELEVATION 761.1												
1	AS				SAND & GRAVEL-brown-medium dense to dense (A-1)							
2	SS											
3	SS											
5.0												
4	SS											
5	SS											
10.0												
END OF BORING										UNIT DRY WT. LBS./FT.		
WATER LEVEL OBSERVATIONS			BORING STARTED MAY 2, 2008				BORING COMPLETED MAY 2, 2008					
Water Level While Drilling Dry			RIG CME-55 FOREMAN RJ				DRAWN RWC APPROVED AJP			GSI JOB No. 08032 SHEET 1 OF 1		
Water Level After Boring Dry			Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

LOG OF BORING NO. B-23												
CLIENT Alfred Benesch and Company			BORING LOCATION Station: 278+94 Offset: 27.0' Left									
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois			PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.									
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²	1	2	3	4	5	6+
						CALIBRATED PENETROMETER TONS/FT. ²						
						WATER CONTENT %	1	2	3	4	5	6+
						STANDARD "N" PENETRATION (BLOWS/FT.)	10	20	30	40	50	60+
GROUND SURFACE ELEVATION 754.8												
1	AS				LOAM-dark brown							
2	SS				CLAY LOAM-dark brown-loose (A-4/A-6) Apparent Fill							
3	SS				SAND & GRAVEL-brown-loose to dense (A-1)							
5.0												
4	SS											
5	SS											
10.0												
END OF BORING										UNIT DRY WT. LBS./FT.		
WATER LEVEL OBSERVATIONS			BORING STARTED MAY 5, 2008				BORING COMPLETED MAY 5, 2008					
Water Level While Drilling Dry			RIG CME-55 FOREMAN RJ				DRAWN RWC APPROVED AJP			GSI JOB No. 08032 SHEET 1 OF 1		
Water Level After Boring Dry			Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

LOG OF BORING NO. B-24												
CLIENT Alfred Benesch and Company			BORING LOCATION Station: 259+00 Offset: Baseline									
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois			PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.									
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²	1	2	3	4	5	6+
						CALIBRATED PENETROMETER TONS/FT. ²						
						WATER CONTENT %	1	2	3	4	5	6+
						STANDARD "N" PENETRATION (BLOWS/FT.)	10	20	30	40	50	60+
GROUND SURFACE ELEVATION 759.5												
1	AS				3.0" TOPSOIL-black							
2	SS				CLAY-brown & gray-stiff (A-6)							
3	SS											
5.0												
4	SS				SAND & GRAVEL-brown-medium dense (A-1)							
5	SS											
10.0												
END OF BORING										UNIT DRY WT. LBS./FT. 96		
WATER LEVEL OBSERVATIONS			BORING STARTED MAY 6, 2008				BORING COMPLETED MAY 6, 2008					
Water Level While Drilling Dry			RIG CME-55 FOREMAN RJ				DRAWN RWC APPROVED AJP			GSI JOB No. 08032 SHEET 1 OF 1		
Water Level After Boring Dry			Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

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LOG OF BORING NO. B-25																				
CLIENT Alfred Benesch and Company				BORING LOCATION Station: 256+00 Offset: Baseline																
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois				PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.																
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. ³	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²			CALIBRATED PENETROMETER TONS/FT. ²										
							1	2	3	4	5	6+	1	2	3	4	5	6+		
GROUND SURFACE ELEVATION 757.8							WATER CONTENT %			STANDARD "N" PENETRATION (BLOWS/FT.)										
3.0	AS				3.0" TOPSOIL-dark brown															
	2	SS			CLAY-brown-very stiff (A-6)	99														
	3	SS			SAND & GRAVEL-brown-medium dense (A-1)															
	4	SS																		
	5	SS																		
10.0	END OF BORING																			
WATER LEVEL OBSERVATIONS				BORING STARTED MAY 6, 2008						BORING COMPLETED MAY 6, 2008										
Water Level While Drilling Dry				RIG CME-55 FOREMAN RJ						DRAWN RWC APPROVED AJP										
Water Level After Boring Dry				GSI JOB No. 08032 SHEET 1 OF 1						Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838										

LOG OF BORING NO. B-26																				
CLIENT Alfred Benesch and Company				BORING LOCATION Station: 253+00 Offset: 19.0' Right																
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois				PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.																
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. ³	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²			CALIBRATED PENETROMETER TONS/FT. ²										
							1	2	3	4	5	6+	1	2	3	4	5	6+		
GROUND SURFACE ELEVATION 753.1							WATER CONTENT %			STANDARD "N" PENETRATION (BLOWS/FT.)										
	1	AS			12.0" ASPHALT															
	2	SS			CLAY LOAM-dark brown & gray-stiff to very stiff (A-6)															
	3	SS																		
	4	SS																		
	5	SS																		
10.0	END OF BORING																			
WATER LEVEL OBSERVATIONS				BORING STARTED APRIL 30, 2008						BORING COMPLETED APRIL 30, 2008										
Water Level While Drilling Dry				RIG CME-55 FOREMAN RJ						DRAWN RWC APPROVED AJP										
Water Level After Boring Dry				GSI JOB No. 08032 SHEET 1 OF 1						Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838										

LOG OF BORING NO. B-27																				
CLIENT Alfred Benesch and Company				BORING LOCATION Station: 248+00 Offset: 5.0' Right																
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois				PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.																
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. ³	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²			CALIBRATED PENETROMETER TONS/FT. ²										
							1	2	3	4	5	6+	1	2	3	4	5	6+		
GROUND SURFACE ELEVATION 759.4							WATER CONTENT %			STANDARD "N" PENETRATION (BLOWS/FT.)										
	1	AS			12.0" ASPHALT															
	2	SS			CLAY to CLAY LOAM-dark brown-stiff to very stiff (A-6)															
	3	SS																		
	4	SS																		
	5	SS			SAND & GRAVEL-brown-medium dense (A-1)															
10.0	END OF BORING																			
WATER LEVEL OBSERVATIONS				BORING STARTED APRIL 30, 2008						BORING COMPLETED APRIL 30, 2008										
Water Level While Drilling Dry				RIG CME-55 FOREMAN RJ						DRAWN RWC APPROVED AJP										
Water Level After Boring Dry				GSI JOB No. 08032 SHEET 1 OF 1						Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838										

LOG OF BORING NO. B-28																			
CLIENT Alfred Benesch and Company				BORING LOCATION Station: 243+00 Offset: 5.0' Right															
PROJECT LOCATION Stearns Road & Dunham Road, Kane County, Illinois				PROJECT DESCRIPTION Geotechnical Investigation For the Proposed Widening & Realignment Of Stearns Road & Dunham Road.															
DEPTH (ft.) BELOW GROUND SURFACE	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE	SAMPLE RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. ³	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. ²			CALIBRATED PENETROMETER TONS/FT. ²									
							1	2	3	4	5	6+	1	2	3	4	5	6+	
GROUND SURFACE ELEVATION 760.0							WATER CONTENT %			STANDARD "N" PENETRATION (BLOWS/FT.)									
	1	AS			12.0" ASPHALT														
	2	SS			CLAY LOAM to LOAM-dark brown-medium dense (A-4/A-6) Possible Fill														
	3	SS																	
	4	SS			CLAY-brown-very stiff (A-6)	97													
	5	SS			SAND & GRAVEL-brown-medium dense (A-1)														
10.0	END OF BORING																		
WATER LEVEL OBSERVATIONS				BORING STARTED APRIL 30, 2008						BORING COMPLETED APRIL 30, 2008									
Water Level While Drilling Dry				RIG CME-55 FOREMAN RJ						DRAWN RWC APPROVED AJP									
Water Level After Boring Dry				GSI JOB No. 08032 SHEET 1 OF 1						Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838									

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PROJECT Stearns Road Improvements, Kane County, Illinois

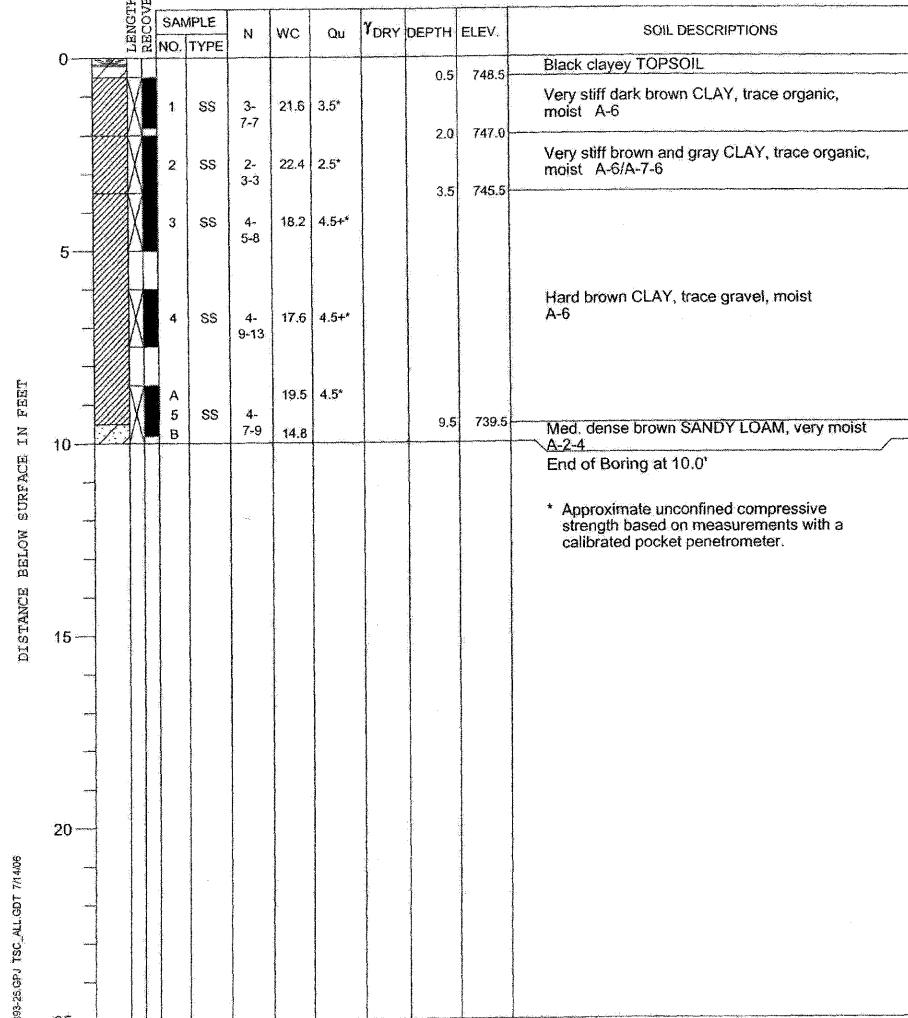
CLIENT Alfred Benesch & Company, Chicago, Illinois



BORING DP1-1 DATE STARTED 7-6-06 DATE COMPLETED 7-6-06 JOB L-60,393

ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 749.0 WHILE DRILLING Dry
 END OF BORING 739.0 AT END OF BORING Dry
 24 HOURS

Detention Pond #1



DRILL RIG NO. 53

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

PROJECT Stearns Road Improvements, Kane County, Illinois

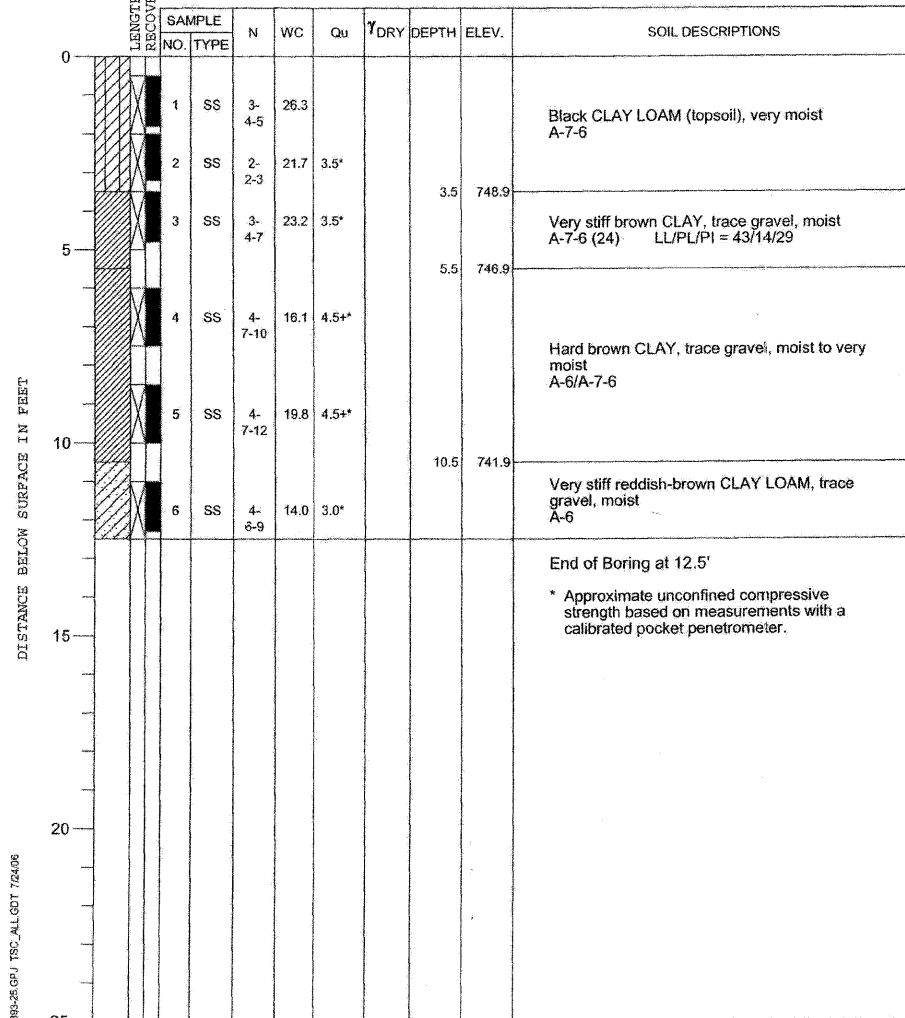
CLIENT Alfred Benesch & Company, Chicago, Illinois



BORING DP1-2 DATE STARTED 7-7-06 DATE COMPLETED 7-7-06 JOB L-60,393

ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 752.4 WHILE DRILLING Dry
 END OF BORING 739.9 AT END OF BORING Dry
 24 HOURS

Detention Pond #1



DRILL RIG NO. 53

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

PROJECT Stearns Road Improvements, Kane County, Illinois

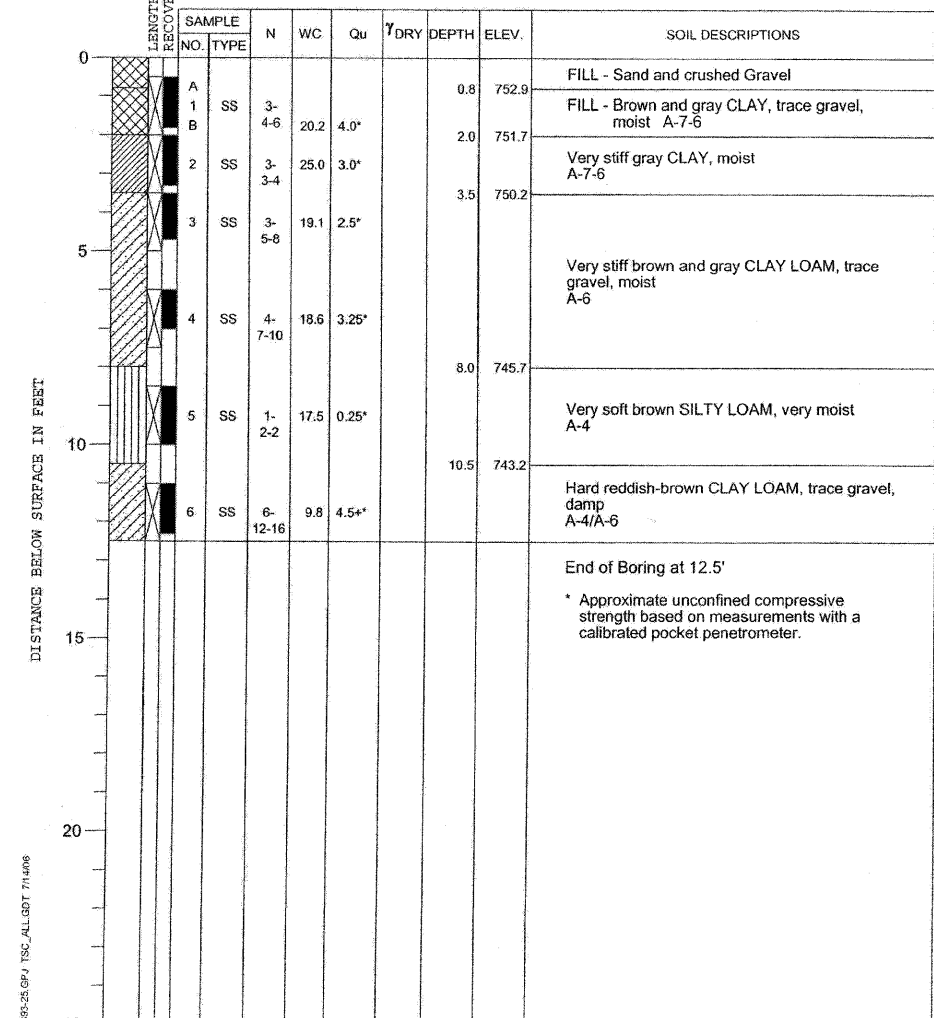
CLIENT Alfred Benesch & Company, Chicago, Illinois



BORING DP1-3 DATE STARTED 7-7-06 DATE COMPLETED 7-7-06 JOB L-60,393

ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE 753.7 WHILE DRILLING Dry
 END OF BORING 741.2 AT END OF BORING Dry
 24 HOURS

Detention Pond #1

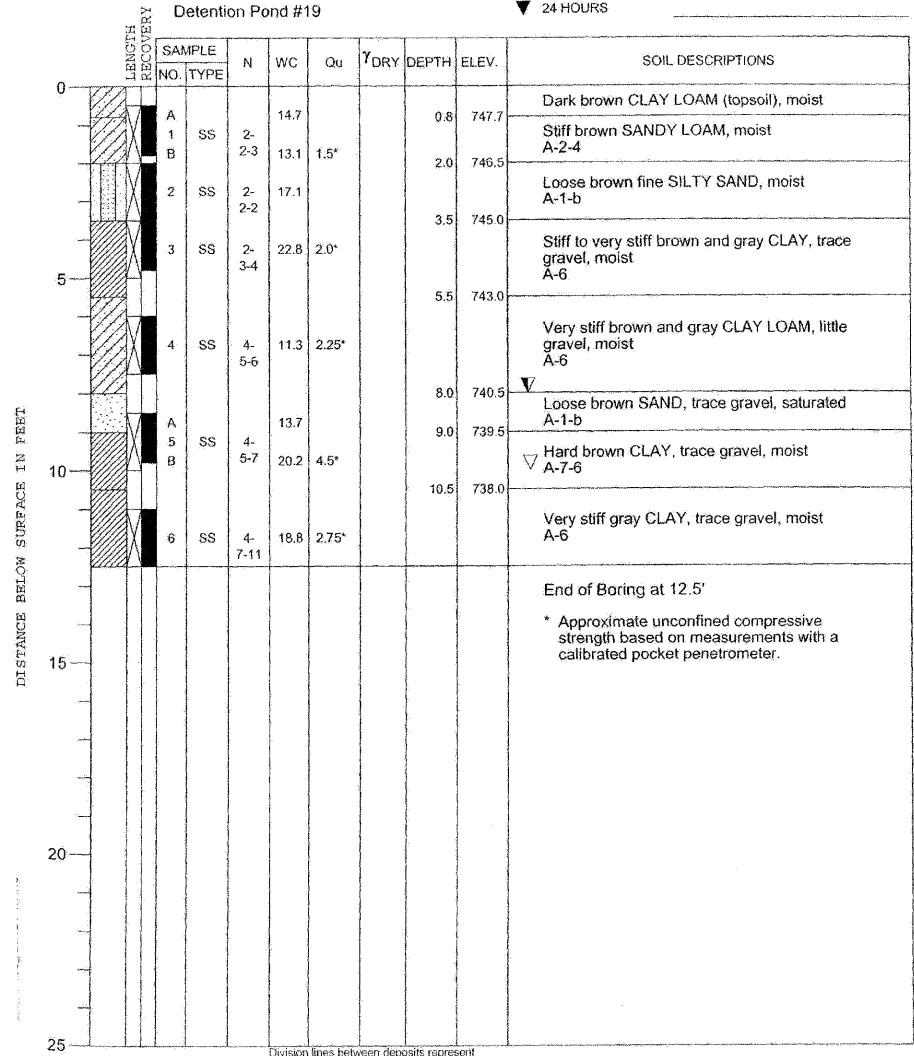


DRILL RIG NO. 53

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

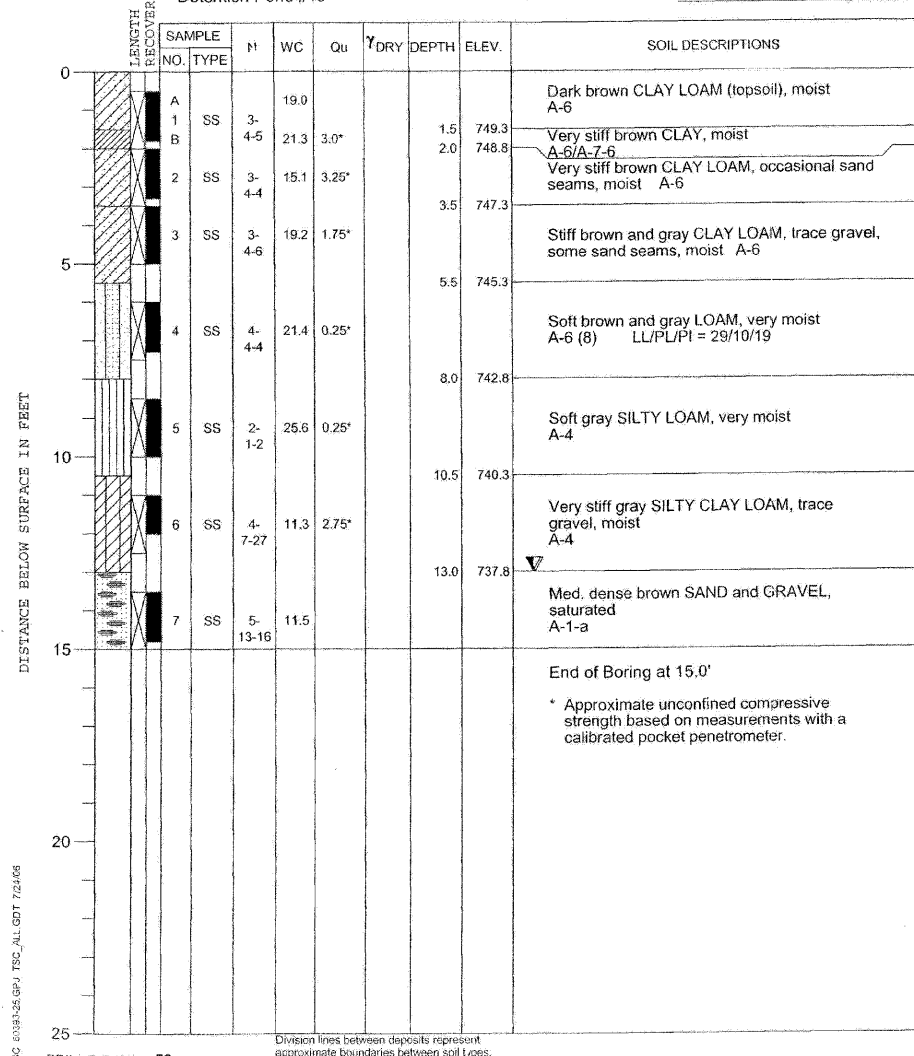
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PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **DP19-1** DATE STARTED **7-7-06** DATE COMPLETED **7-7-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **748.5** WHILE DRILLING **8.0'**
 END OF BORING **736.0** AT END OF BORING **10.0'**
 24 HOURS



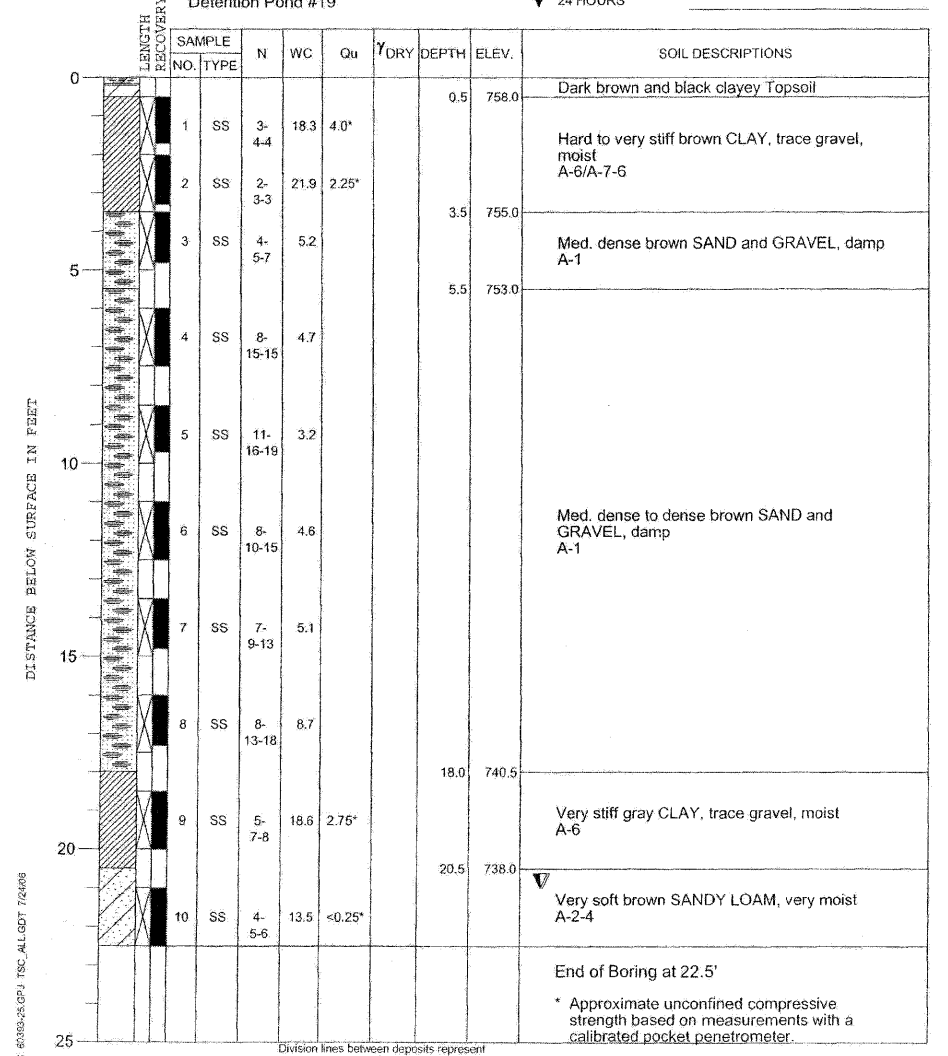
DRILL RIG NO. **53**
 Division lines between deposits represent approximate boundaries between soil types. In-situ, the transition may be gradual.

PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **DP19-2** DATE STARTED **7-7-06** DATE COMPLETED **7-7-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **750.8** WHILE DRILLING **13.0'**
 END OF BORING **735.8** AT END OF BORING **13.0'**
 24 HOURS



DRILL RIG NO. **53**
 Division lines between deposits represent approximate boundaries between soil types. In-situ, the transition may be gradual.

PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **DP19-3** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **758.5** WHILE DRILLING **21.0'**
 END OF BORING **736.0** AT END OF BORING **21.0'**
 24 HOURS



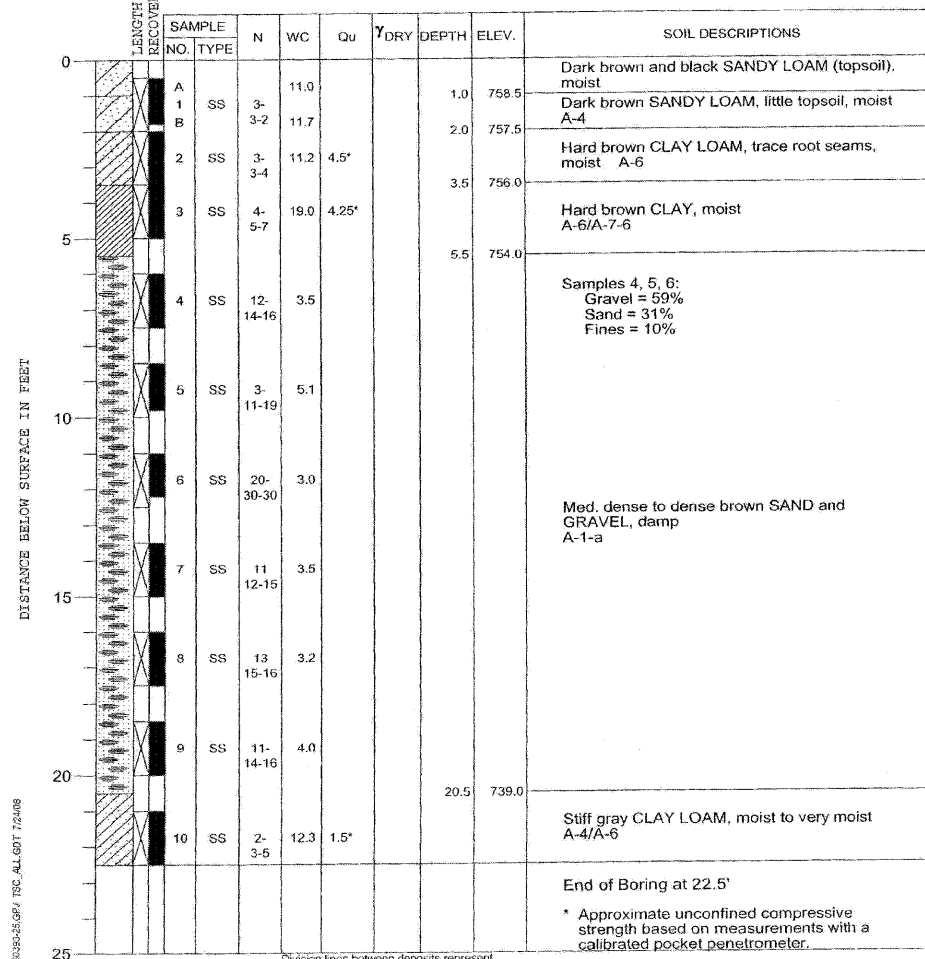
DRILL RIG NO. **53**
 Division lines between deposits represent approximate boundaries between soil types. In-situ, the transition may be gradual.

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PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **DP19-4** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **759.5** WHILE DRILLING **Dry**
 END OF BORING **737.0** AT END OF BORING **Dry**
 24 HOURS



Detention Pond #19

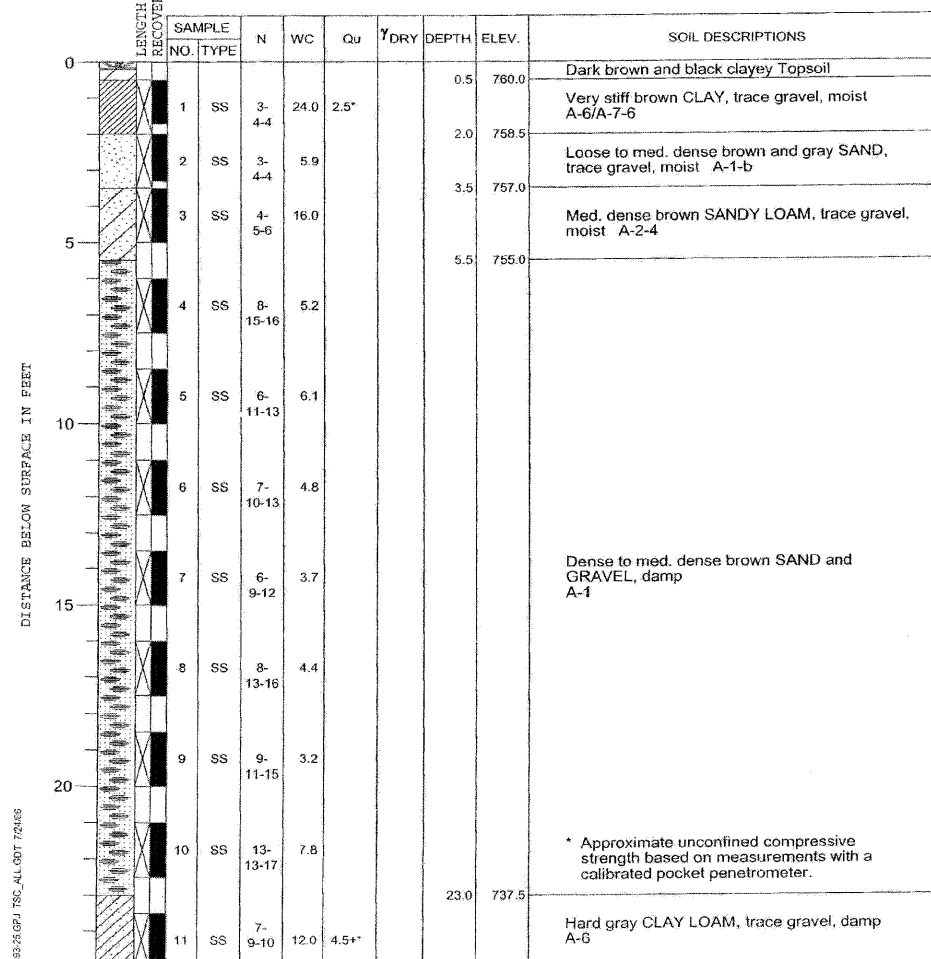


DRILL RIG NO. **53**
 * Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **DP19-5** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **760.5** WHILE DRILLING **Dry**
 END OF BORING **735.5** AT END OF BORING **Dry**
 24 HOURS



Detention Pond #19

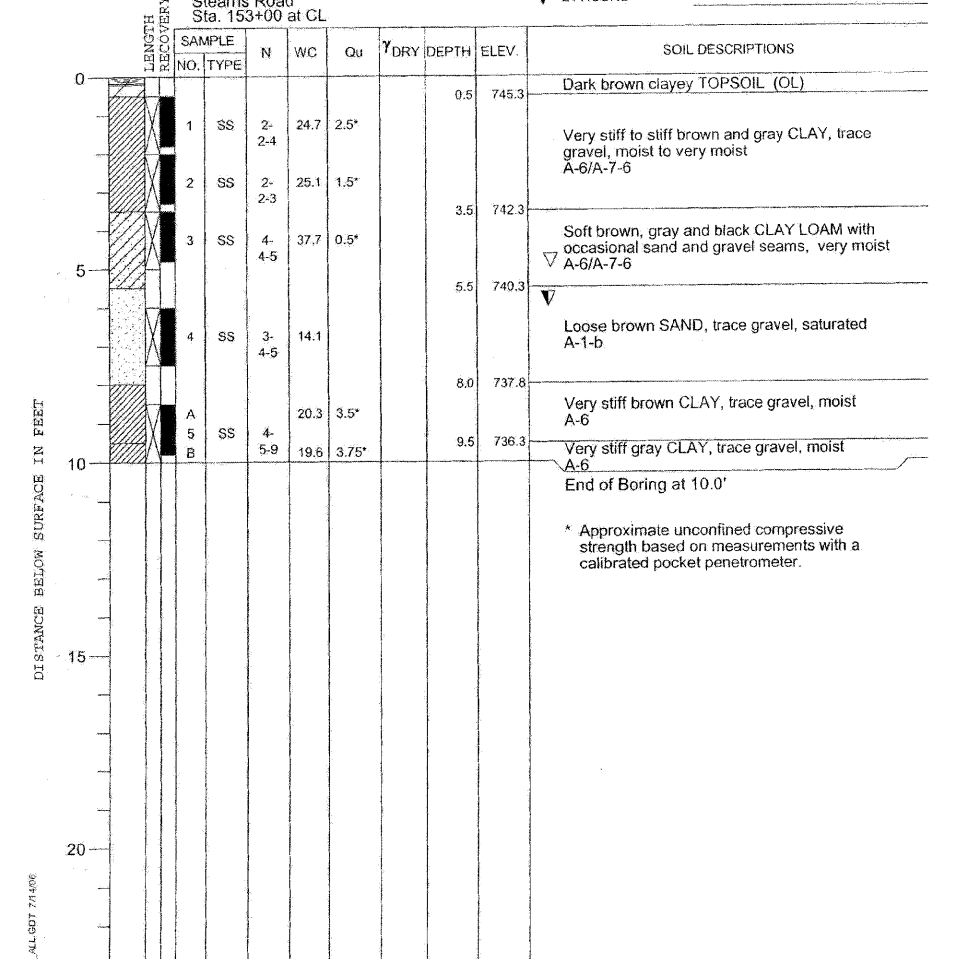


DRILL RIG NO. **53**
 * Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **ST-1** DATE STARTED **7-7-06** DATE COMPLETED **7-7-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **745.8** WHILE DRILLING **6.0'**
 END OF BORING **735.8** AT END OF BORING **5.0'**
 24 HOURS



Stearns Road Sta. 153+00 at CL



DRILL RIG NO. **53**
 * Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

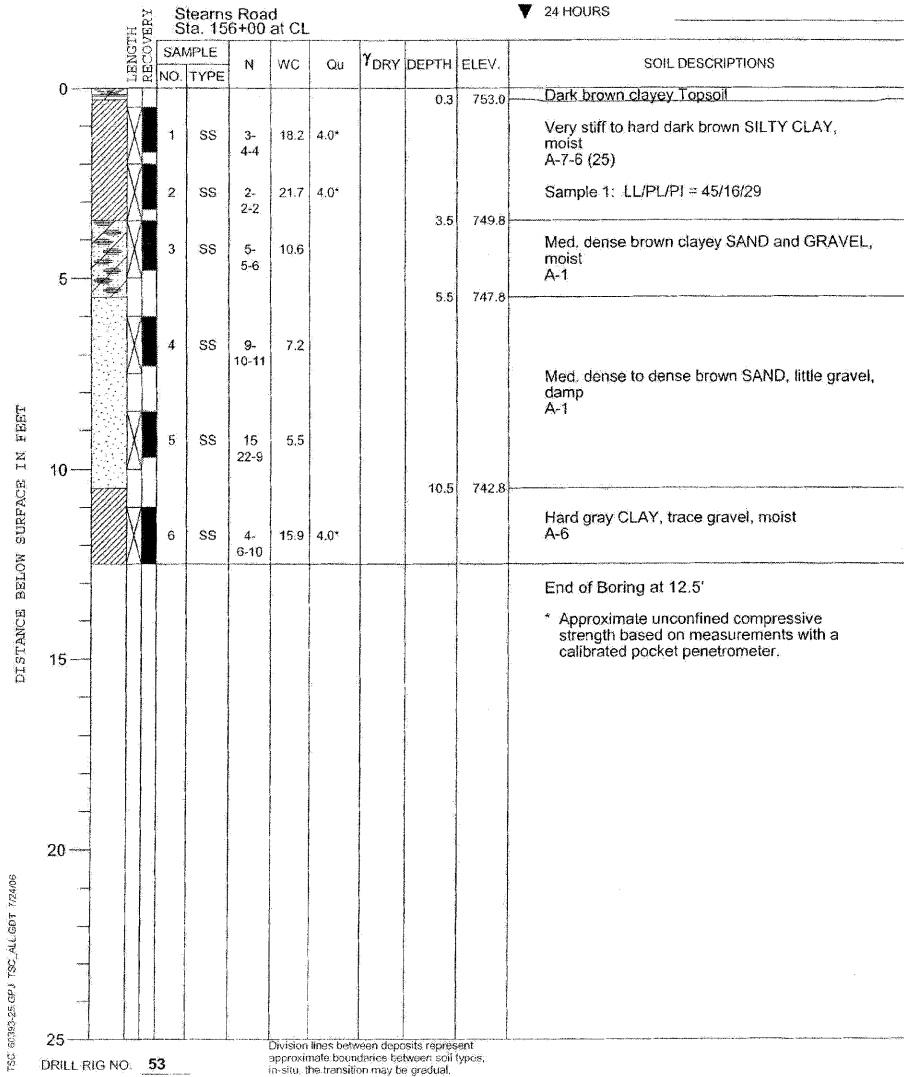
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PROJECT Stearns Road Improvements, Kane County, Illinois

CLIENT Alfred Benesch & Company, Chicago, Illinois

BORING **ST-2** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**

ELEVATIONS
GROUND SURFACE **753.3** WATER LEVEL OBSERVATIONS
END OF BORING **740.8** WHILE DRILLING **Dry**
AT END OF BORING **Dry**
24 HOURS

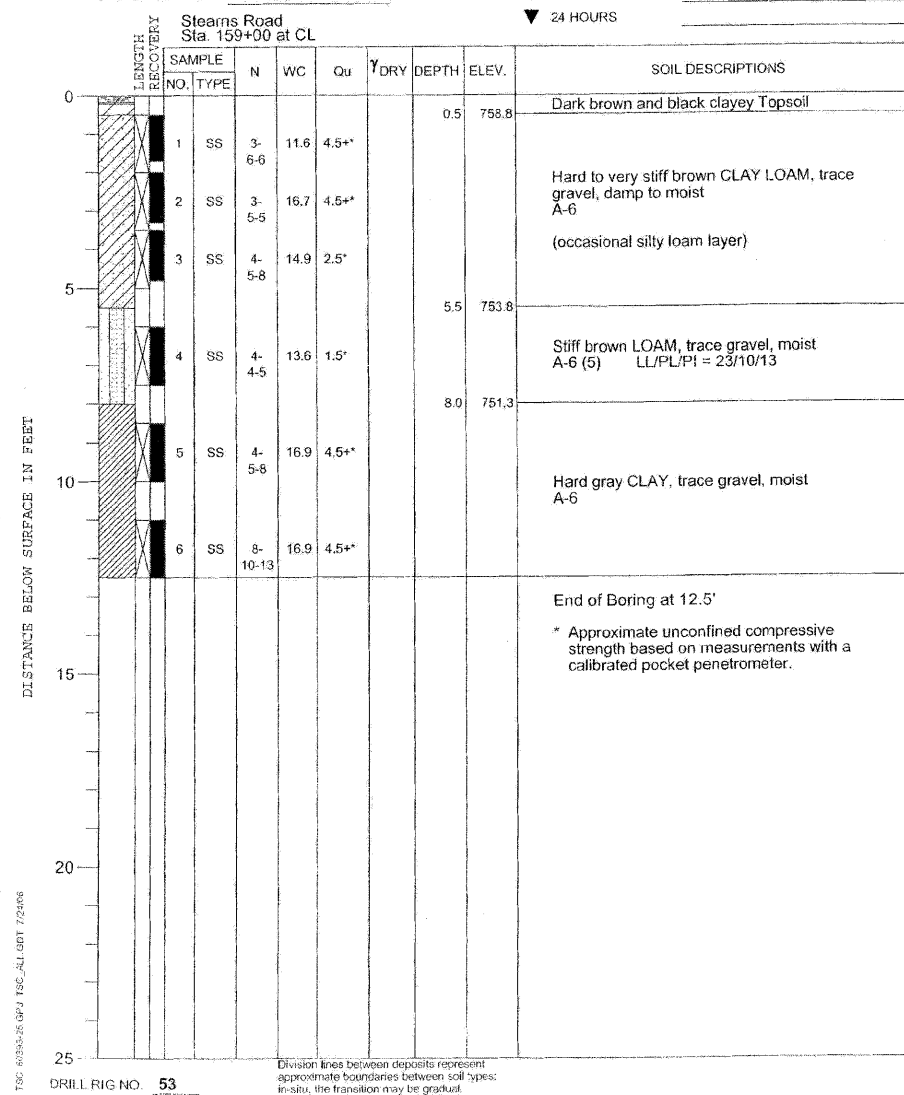


PROJECT Stearns Road Improvements, Kane County, Illinois

CLIENT Alfred Benesch & Company, Chicago, Illinois

BORING **ST-3** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**

ELEVATIONS
GROUND SURFACE **759.3** WATER LEVEL OBSERVATIONS
END OF BORING **746.8** WHILE DRILLING **Dry**
AT END OF BORING **Dry**
24 HOURS

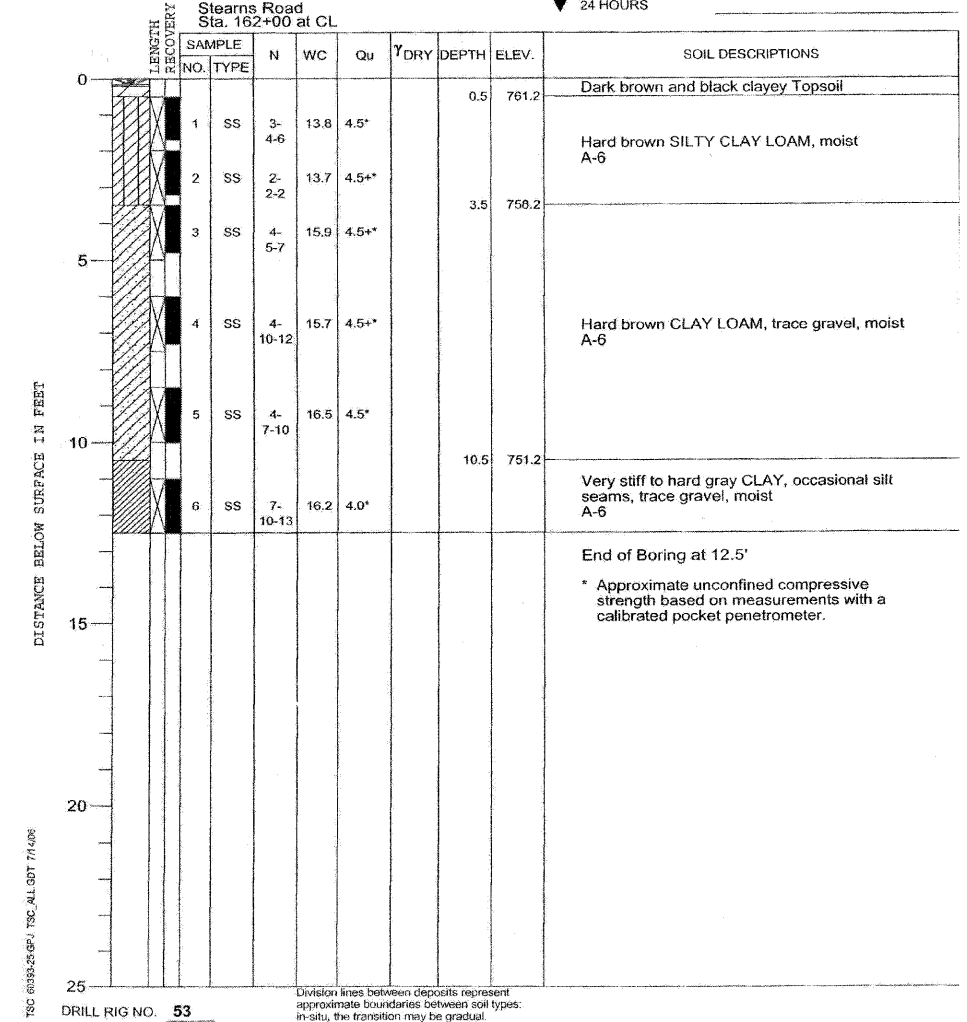


PROJECT Stearns Road Improvements, Kane County, Illinois

CLIENT Alfred Benesch & Company, Chicago, Illinois

BORING **ST-4** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**

ELEVATIONS
GROUND SURFACE **761.7** WATER LEVEL OBSERVATIONS
END OF BORING **749.2** WHILE DRILLING **Dry**
AT END OF BORING **Dry**
24 HOURS

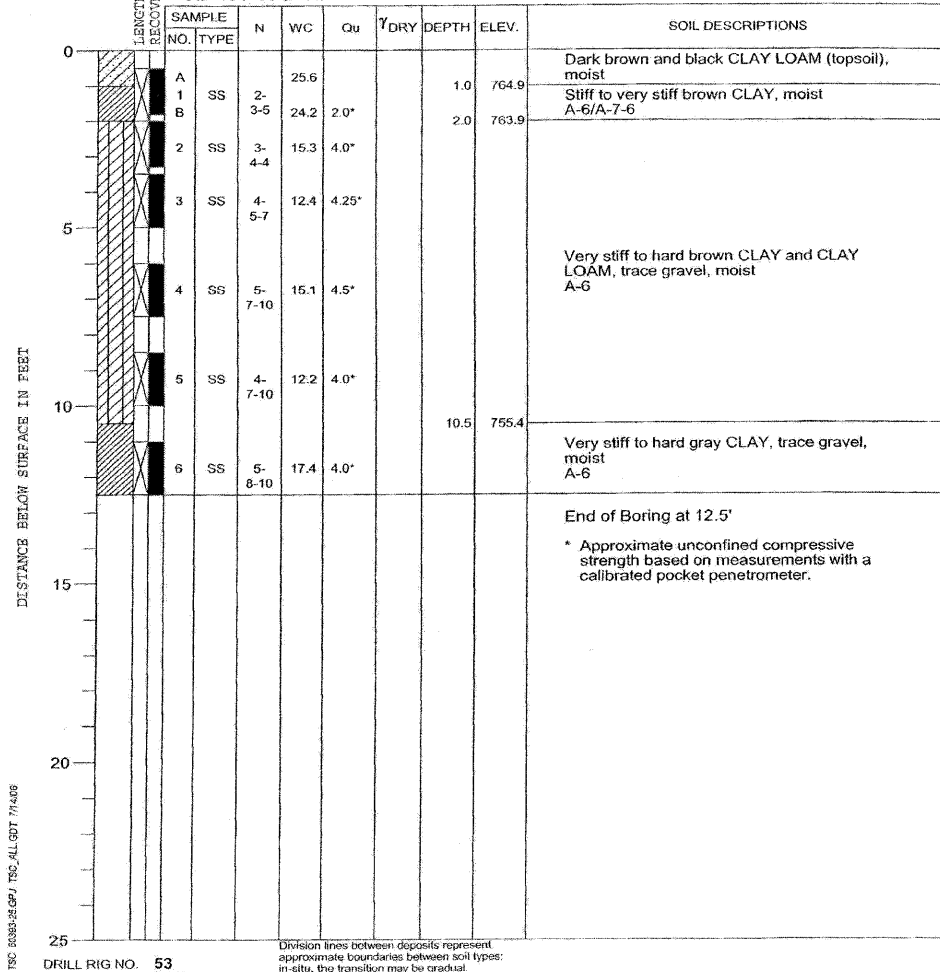


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PROJECT **Stearns Road Improvements, Kane County, Illinois**
 CLIENT **Alfred Benesch & Company, Chicago, Illinois**
 BORING **ST-5** DATE STARTED **7-6-06** DATE COMPLETED **7-6-06** JOB **L-60,393**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **765.9** WHILE DRILLING **Dry**
 END OF BORING **753.4** AT END OF BORING **Dry**
 24 HOURS



Stearns Road
 Sta. 164+50 at CL



Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

DRILL RIG NO. **53**

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FILE NAME =	USER NAME = *USER*	DESIGNED - VLM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	SOIL BORING LOGS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#	PLOT SCALE = 1.0000' / IN.	DRAWN - VLM	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	287
	PLOT DATE = 3/30/2009	CHECKED - JRM	REVISED -			CONTRACT NO. 63074				
		DATE - 3/31/09	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 2 OF 14 SHEETS
-	-	KANE	545	289	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #63074

INDEX OF DRAWINGS

SA - 1 of 14	General Plan and Elevation
SA - 2 of 14	General Notes, Index of Sheets and Total Bill of Material
SA - 3 of 14	Foundation Plan and Reinforcement
SA - 4 of 14	Top Slab Reinforcement
SA - 5 of 14	Plan and Elevation West Wall
SA - 6 of 14	Plan and Elevation East Wall
SA - 7 of 14	Wall Reinforcement
SA - 8 of 14	Wingwall Details Stage 1
SA - 9 of 14	Wingwall Details Stage 2
SA - 10 of 14	Drainage Details
SA - 11 of 14	Bar Splicer Details
SA - 12 of 14	Rail Details
SA - 13 of 14	Architectural Treatment
SA - 14 of 14	Soil Boring Logs

TOTAL BILL OF MATERIAL

PAY ITEM	UNIT	STAGE 1	STAGE 2	TOTAL
Porous Granular Embankment	Cu. Yd.	614	686	1,300
Structure Excavation	Cu. Yd.	984	991	1,975
Concrete Structures	Cu. Yd.	407.6	453.7	861.3
* Form Liner Textured Surface (Special)	Sq. Ft	1,659	1,766	3,425
Reinforcement Bars, Epoxy Coated	Pound	72,830	83,470	156,300
Bar Splicers	Each	191		191
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.	241	270	511
* Pipe Underdrains for Structures 4"	Foot	191	196	387
* Graffiti Removal (Special)	Sq. Yd.	190	234	424
* Anti-Graffiti Coating	Sq. Ft	1,838	1,946	3,784
* Steel Painting (Special)	Foot	89	73	162
* Architectural Lettering	L. Sum	0.25	0.25	0.5

* See Special Provisions

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. See Special Provision.
- Reinforcement bars designated (E) shall be epoxy coated.
- All exposed concrete edges shall have a $\frac{3}{4}$ " x 45 deg. Chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- Reinforcement bending details shall be in accordance with the latest Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from face of concrete to face of reinforcement bars shall be 3 inches for surfaces cast against earth and 2 inches for all other surfaces unless otherwise shown.
- The cost of Water Seals and P/J is included in the cost of Concrete Structures unless noted otherwise.
- Backfill shall be placed simultaneously against both side walls of the structure. The maximum differential in fill height on either side shall be two feet.
- Reinforcement bar lap splices shall be Class C. Top bars so placed that more than 12 inches of concrete is cast below the reinforcement shall be lapped for 1.4 x basic lap. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

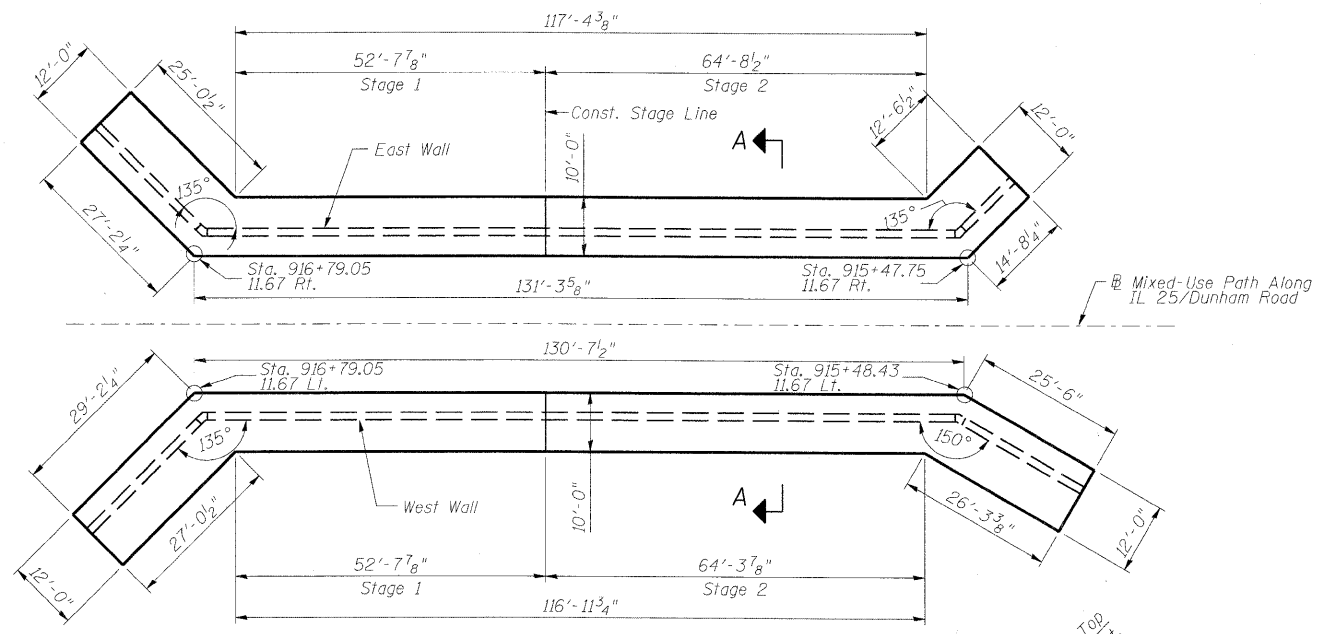
Bar Size	Basic Lap	1.4 Basic Lap
#4	1'-8"	2'-5"
#5	2'-2"	3'-0"
#6	2'-7"	3'-7"
#7	3'-5"	4'-10"
#8	4'-6"	6'-4"
#9	5'-9"	8'-1"
#10	7'-3"	10'-3"
#11	9'-0"	12'-7"

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

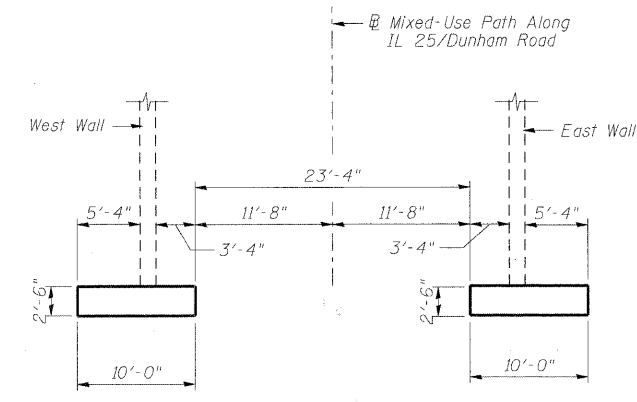
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Job # 3944

GENERAL NOTES, INDEX OF SHEETS
AND TOTAL BILL OF MATERIAL
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

Contract #63074



PLAN



SECTION A-A

BILL OF MATERIAL

(Stage 1 Construction)

Bar	No.	Size	Length	Shape
n1(E)	173	#6	4'-10"	—
n2(E)	226	#8	9'-7"	—
t1(E)	118	#6	9'-8"	—
t2(E)	118	#5	9'-8"	—
t3(E)	55	#6	11'-8"	—
t4(E)	55	#5	11'-8"	—
w1(E)	88	#6	31'-0"	—
w2(E)	26	#6	26'-10"	—
w3(E)	26	#6	28'-11"	—

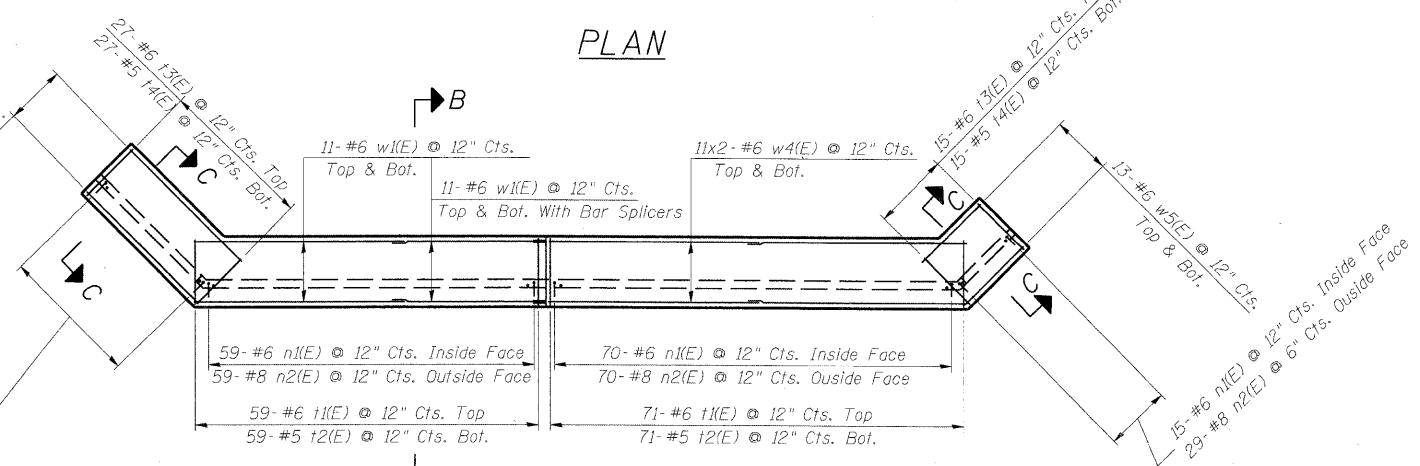
Concrete Structures	Cu. Yd.	164.3
Reinforcement Bars, Epoxy Coated	Pound	17,850
Bar Splicers	Each	44

BILL OF MATERIAL

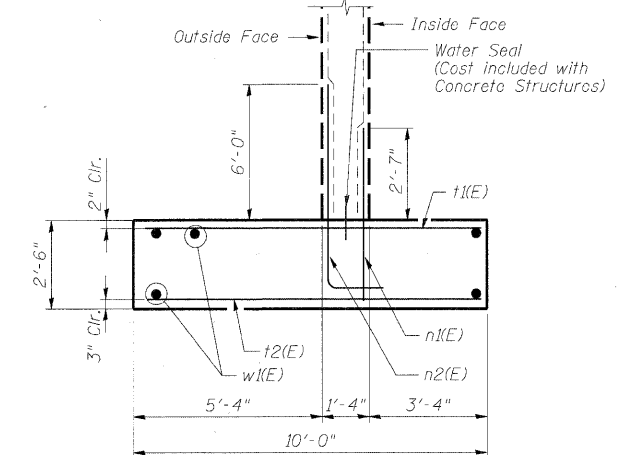
(Stage 2 Construction)

Bar	No.	Size	Length	Shape
n1(E)	181	#6	4'-10"	—
n2(E)	220	#8	9'-7"	—
t1(E)	142	#6	9'-8"	—
t2(E)	142	#5	9'-8"	—
t3(E)	41	#6	11'-8"	—
t4(E)	41	#5	11'-8"	—
w4(E)	88	#6	37'-3"	—
w5(E)	26	#6	14'-4"	—
w6(E)	26	#6	25'-2"	—

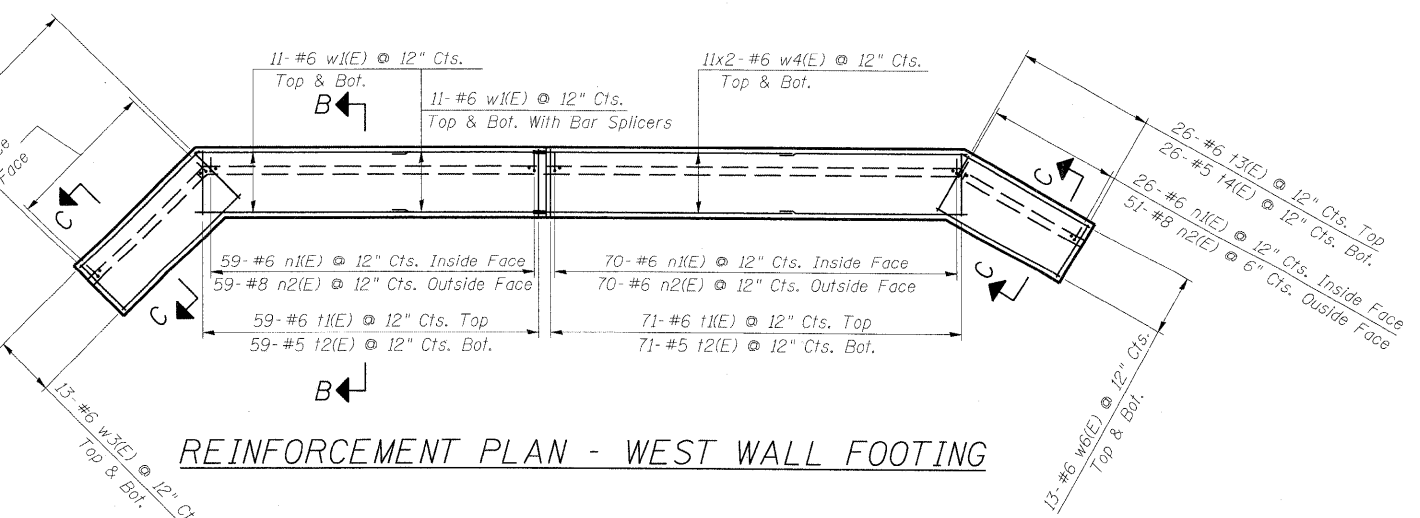
Concrete Structures	Cu. Yd.	169.7
Reinforcement Bars, Epoxy Coated	Pound	18,130



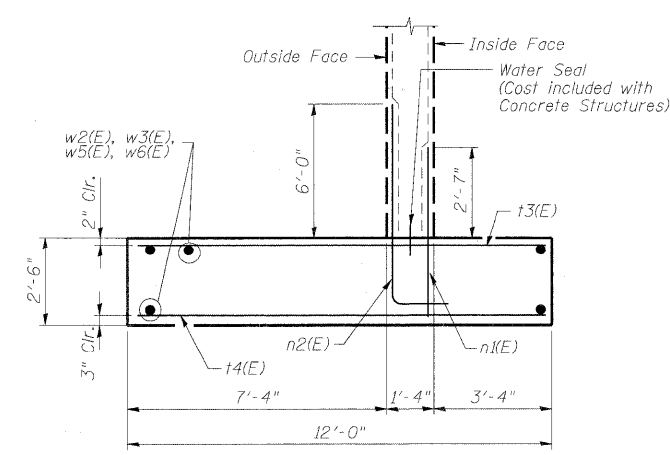
REINFORCEMENT PLAN - EAST WALL FOOTING



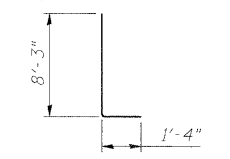
SECTION B-B



REINFORCEMENT PLAN - WEST WALL FOOTING



SECTION C-C



BAR n2(E)

- NOTES:
- Stations and offsets are measured with respect to Mixed-Use Path along IL 25/ Dunham Road
 - Bars indicated thus 13x8-#6 etc. indicates 13 lines of bars with 8 lengths per line.
 - Maximum Applied Bearing Pressure is 3000 psf.
 - 1" Conduit through footing at north end of Stage 1. See Lighting Plans.

FOUNDATION PLAN AND REINFORCEMENT
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

DESIGNED	AAV
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 4 OF 14 SHEETS
-	-	KANE	545	291	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

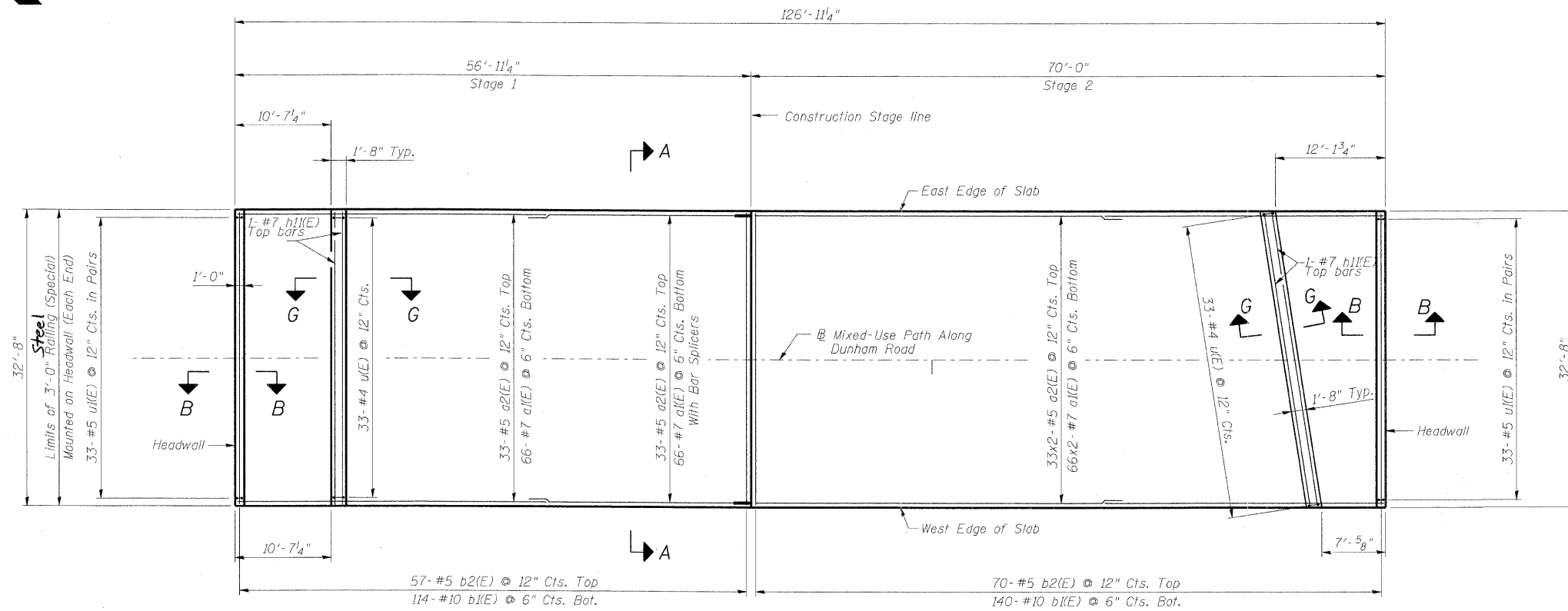
Contract #63074

BILL OF MATERIAL
(Stage 1 Construction)

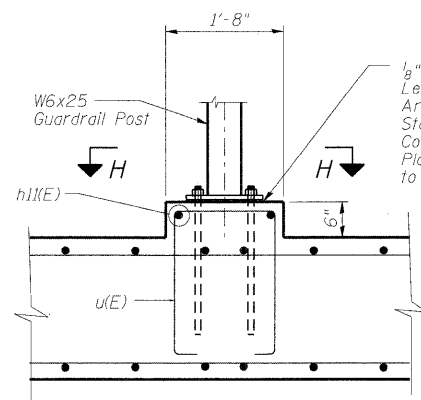
Bar	No.	Size	Length	Shape
a1(E)	132	#7	30'-3"	—
a2(E)	66	#5	29'-6"	—
b1(E)	114	#10	32'-4"	—
b2(E)	57	#5	32'-4"	—
d3(E)	8	#6	32'-4"	—
h1(E)	2	#7	32'-4"	—
u(E)	33	#4	6'-4"	□
u1(E)	66	#5	8'-8"	□
Concrete Structures		Cu. Yd.	142.1	
Reinforcement Bars, Epoxy Coated		Pound	29,240	
Bar Splicers		Each	99	

BILL OF MATERIAL
(Stage 2 Construction)

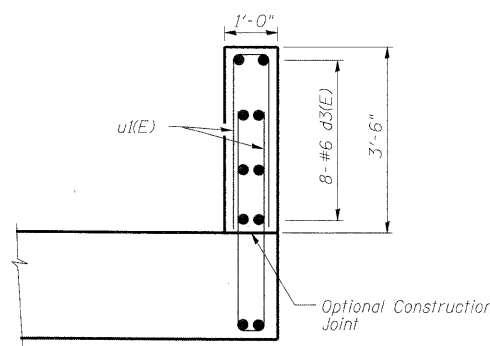
Bar	No.	Size	Length	Shape
a1(E)	132	#7	36'-9"	—
a2(E)	66	#5	36'-0"	—
b1(E)	140	#10	32'-4"	—
b2(E)	70	#5	32'-4"	—
d3(E)	8	#6	32'-4"	—
h1(E)	2	#7	32'-4"	—
u(E)	33	#4	6'-4"	□
u1(E)	66	#5	8'-8"	□
Concrete Structures		Cu. Yd.	173.7	
Reinforcement Bars, Epoxy Coated		Pound	35,490	



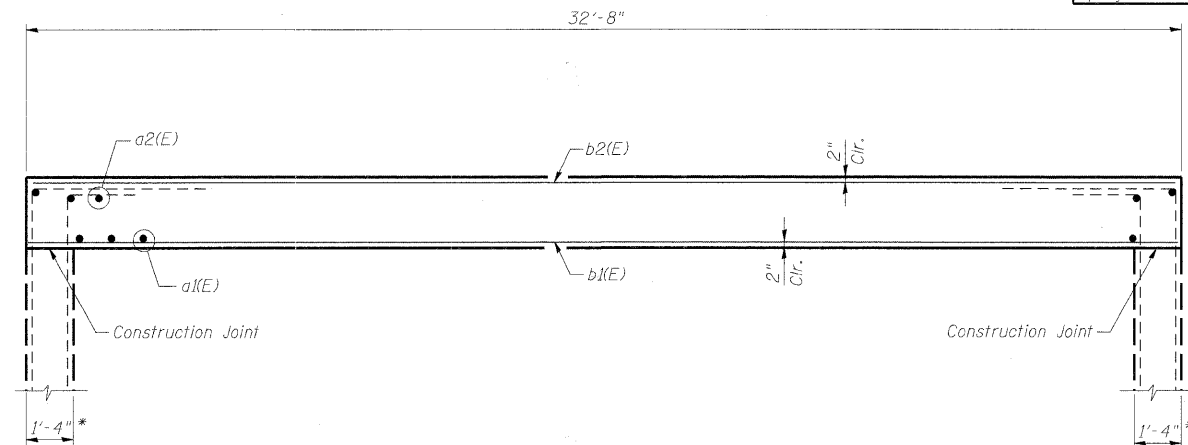
PLAN



SECTION G-G

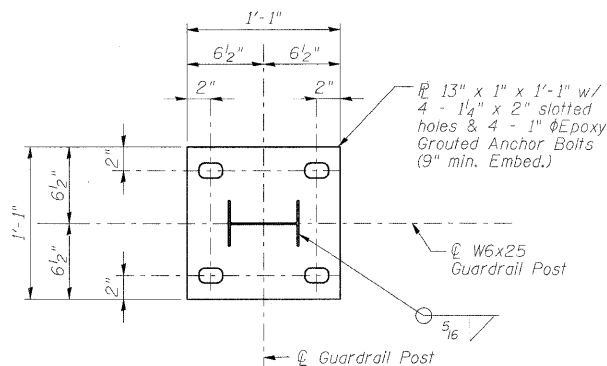


SECTION B-B



SECTION A-A

* Dimension does not include additional thickness required for architectural treatment



SECTION H-H

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

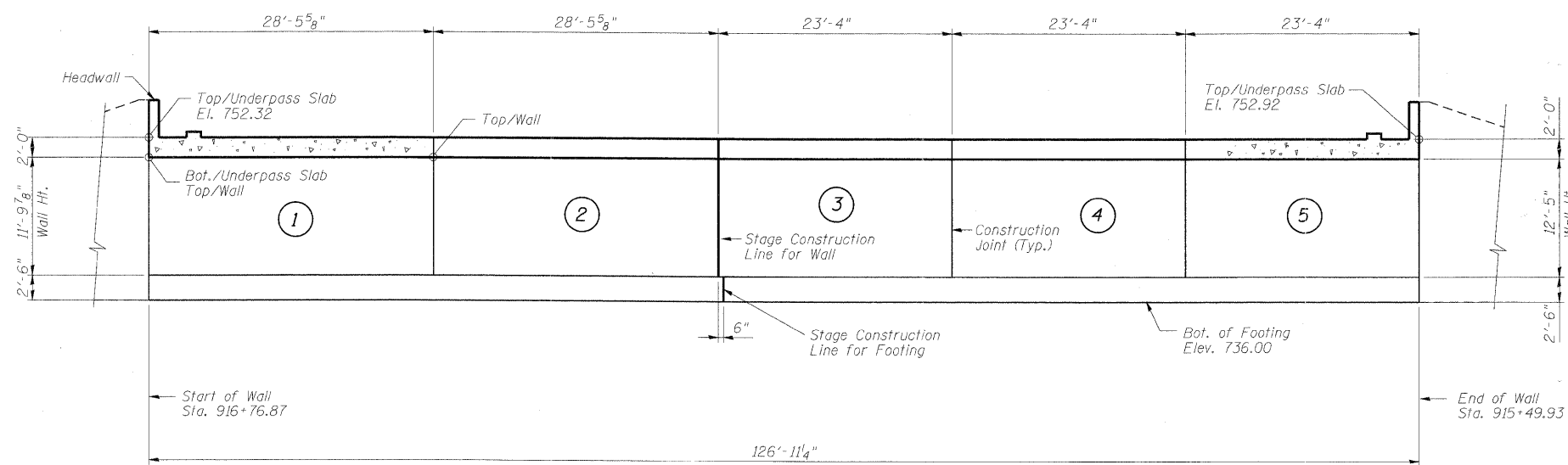
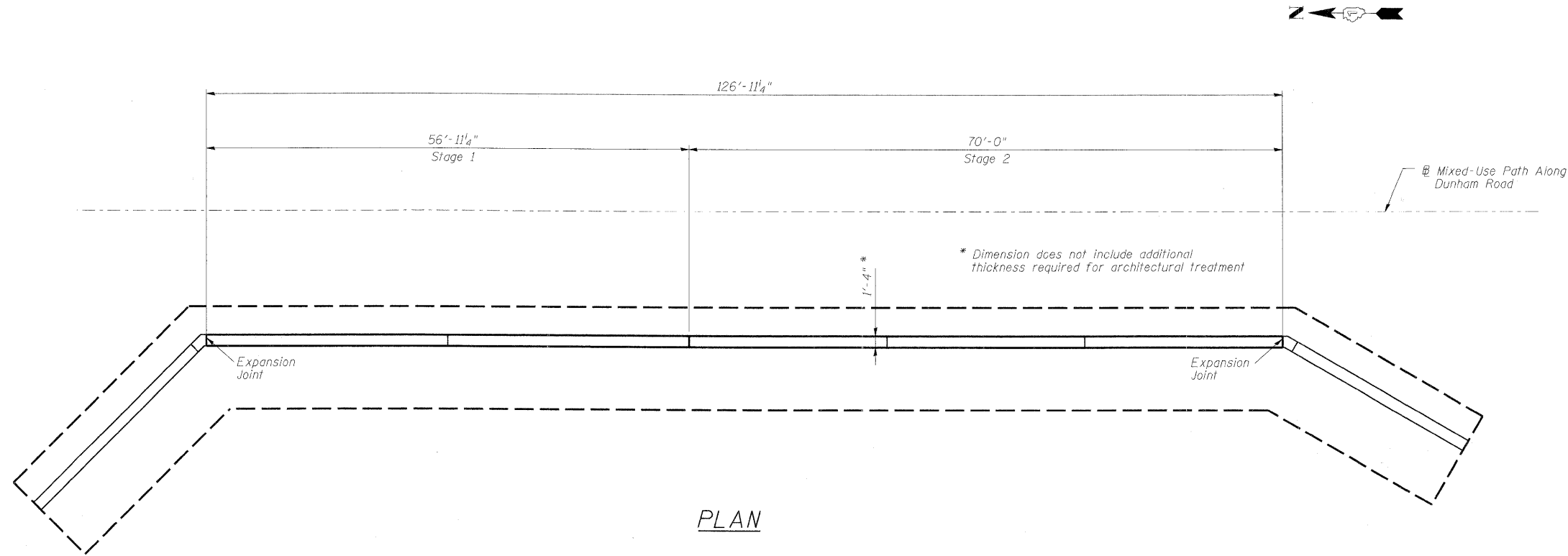
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Job # 3944

**TOP SLAB REINFORCEMENT
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

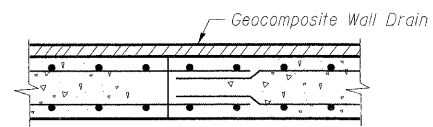
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 5 OF 14 SHEETS
-	-	KANE	545	292	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #63074



TOP/WALL ELEVATIONS

Location	Station	Elevation
Start of Wall	916+76.87	750.32
Between Panels 1 & 2	916+48.40	750.43
Stage Construction Joint	916+19.93	750.57
Between Panels 3 & 4	915+96.60	750.69
Between Panels 4 & 5	915+73.27	750.80
End of Wall	915+49.93	750.92



CONSTRUCTION JOINT

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

NOTES:

- Stations and offsets are measured with respect to @ Mixed-Use Path along IL 25/Dunham Road
- For reinforcement details of West Wall Panels see sheet SA-7.

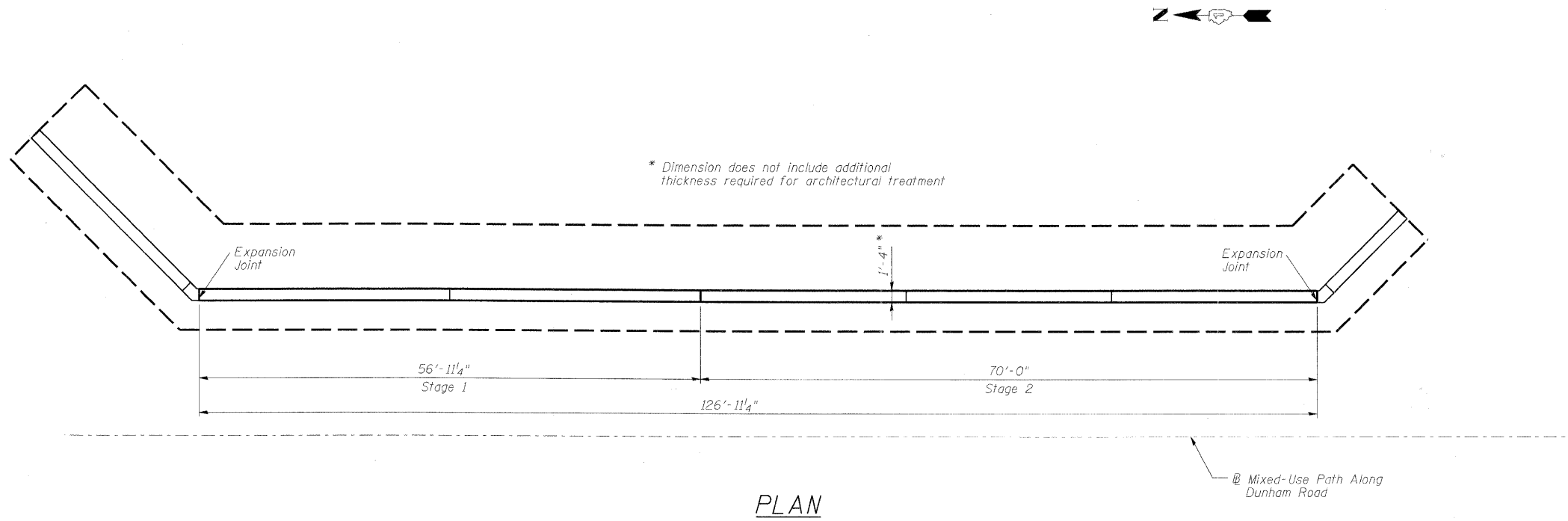
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Chicago, Illinois 60601
312-565-0450
Job # 3944

**PLAN & ELEVATION WEST WALL
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173**

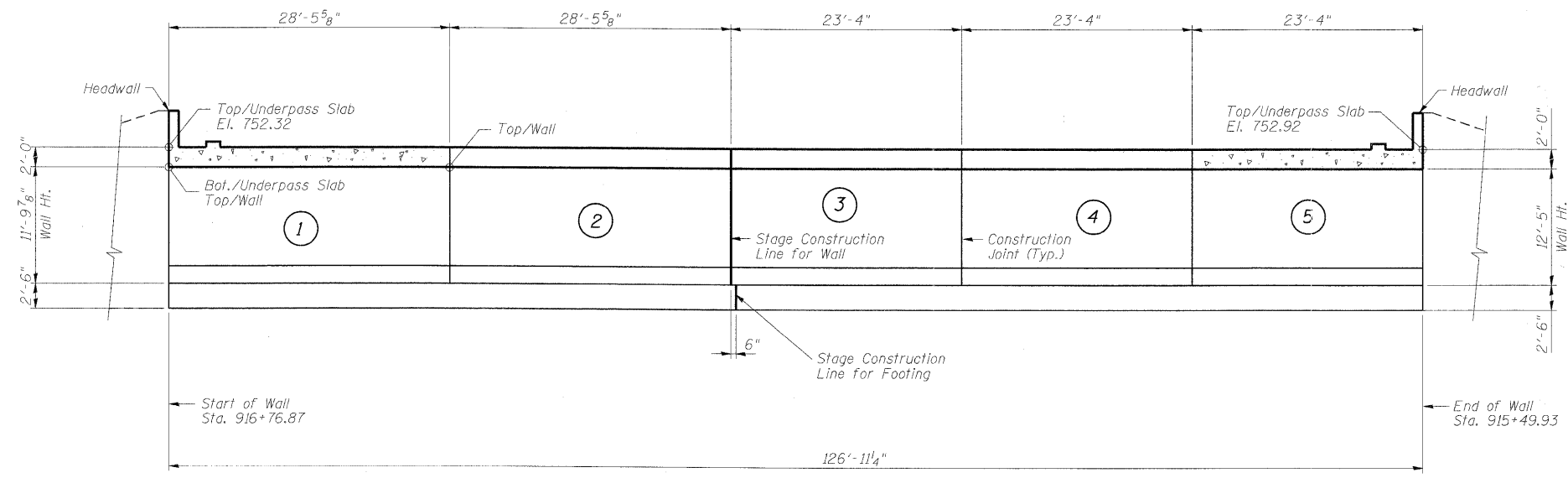
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 6 OF 14 SHEETS
-	-	KANE	545	293	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #63074



PLAN



ELEVATION

TOP/WALL ELEVATIONS

Location	Station	Elevation
Start of Wall	916+76.87	750.32
Between Panels 1 & 2	916+48.40	750.43
Stage Construction Joint	916+19.93	750.57
Between Panels 3 & 4	915+96.60	750.69
Between Panels 4 & 5	915+73.27	750.80
End of Wall	915+49.93	750.92

NOTES:

1. Stations and offsets are measured with respect to M Mixed-Use Path along IL 25/Dunham Road
2. For reinforcement details of East Wall Panels, see sheet SA-7.
3. For Construction Joint detail see sheet SA-5.

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

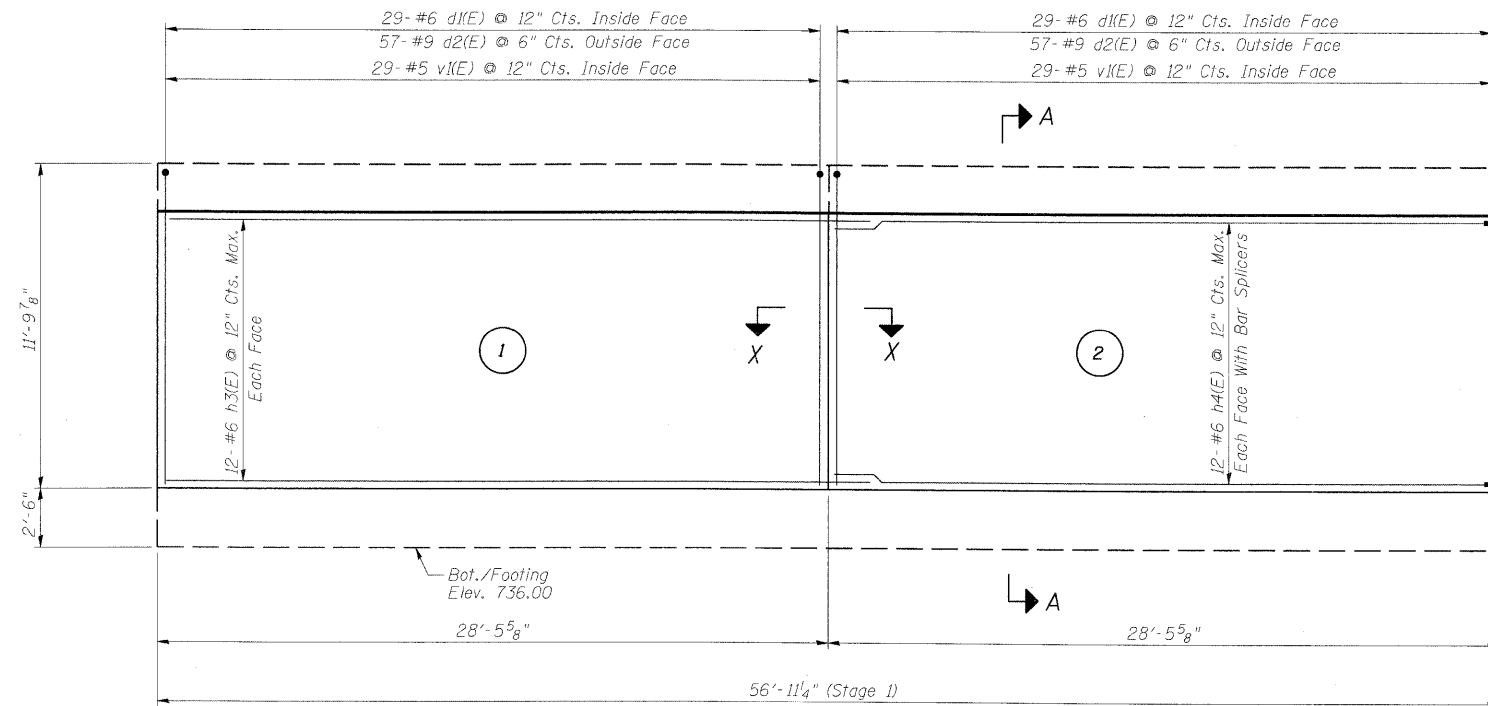
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Job # 3944

PLAN & ELEVATION EAST WALL
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

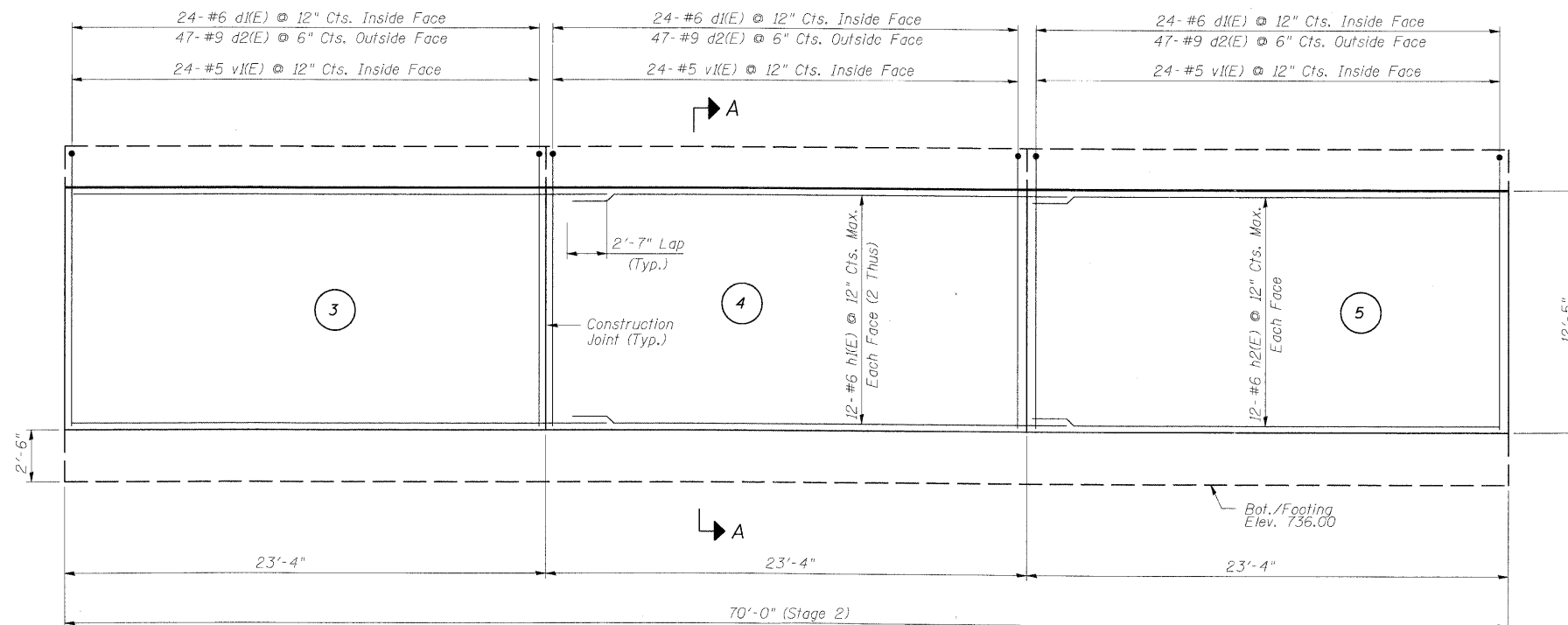
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 7 OF 14 SHEETS
-	-	KANE	545	294	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #63074



EAST WALL ELEVATION
(West Wall Elevation Similar)



EAST WALL ELEVATION
(West Wall Elevation Similar)

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

BILL OF MATERIAL

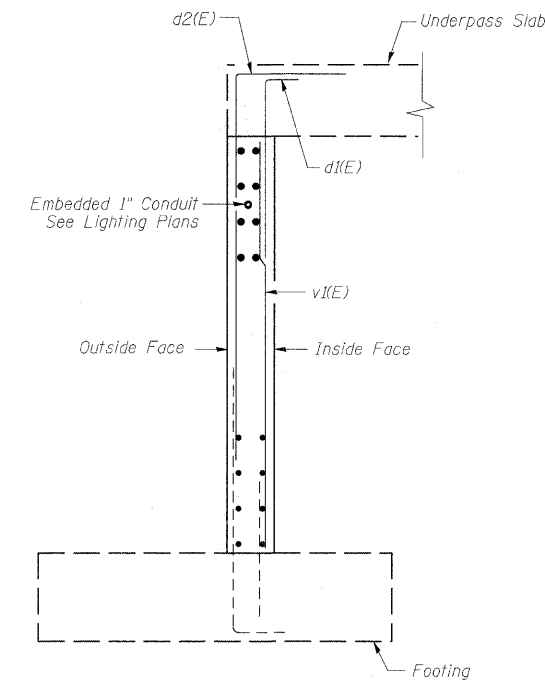
(Stage 1 Construction - East & West Walls)

Bar	No.	Size	Length	Shape	
d1(E)	116	#6	7'-0"	┌	
d2(E)	228	#9	18'-6"	┌	
h3(E)	48	#6	31'-0"	—	
h4(E)	48	#6	28'-2"	—	
v1(E)	116	#5	11'-6"	—	
Concrete Structures				Cu. Yd.	67.2
Reinforcement Bars, Epoxy Coated				Pound	21,220
Bar Splicers				Each	48

BILL OF MATERIAL

(Stage 2 Construction - East & West Walls)

Bar	No.	Size	Length	Shape	
d1(E)	144	#6	7'-0"	┌	
d2(E)	282	#9	18'-6"	┌	
h1(E)	96	#6	25'-11"	—	
h2(E)	48	#6	23'-0"	—	
v1(E)	144	#5	11'-6"	—	
Concrete Structures				Cu. Yd.	84.7
Reinforcement Bars, Epoxy Coated				Pound	26,380

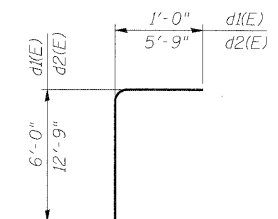


SECTION A-A

Notes:

1. Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Dunham Road.
2. (1) Denotes panel number.
3. For Section X-X see sheet SA-5.

BARS d1(E) & d2(E)



**WALL REINFORCEMENT
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173**

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Job # 3944

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

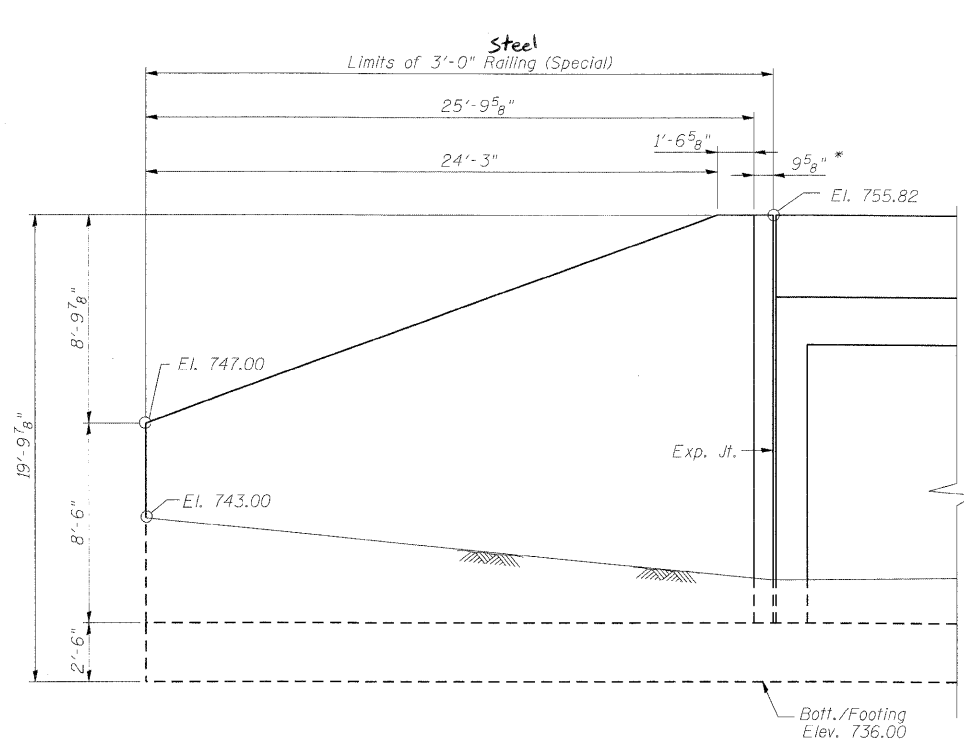
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		KANE	545	295	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #63074

BILL OF MATERIAL

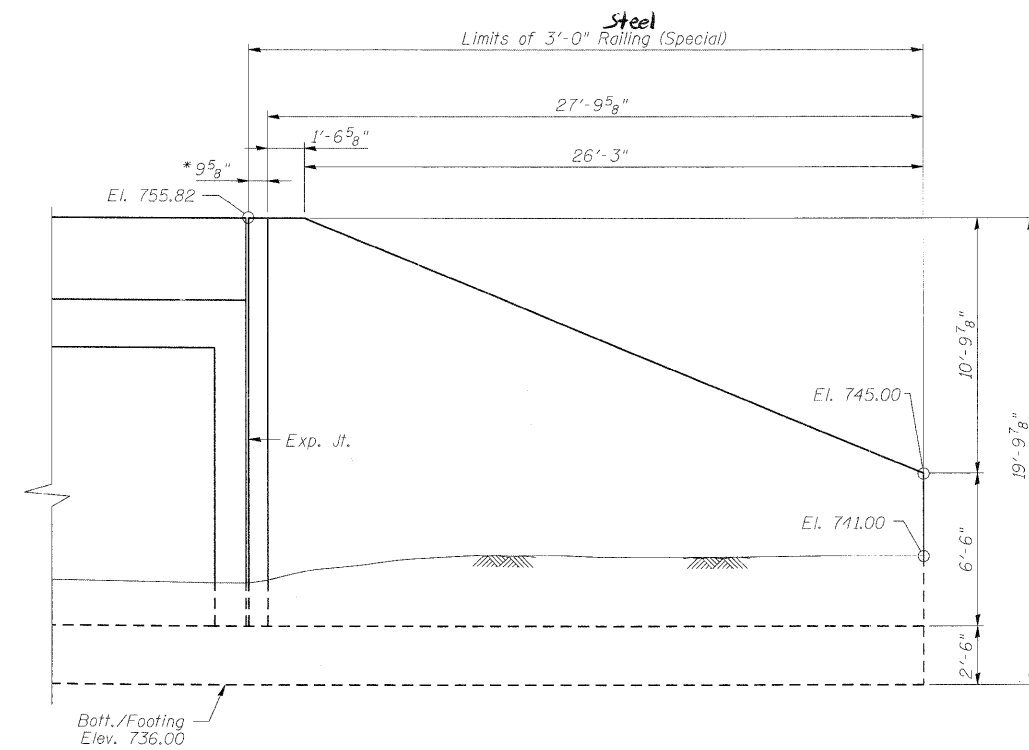
(Stage 1 Construction)

Bar	No.	Size	Length	Shape
h12(E)	14	#5	26'-11"	
h13(E)	11	#5	26'-6"	
h14(E)	2	#5	28'-9"	
h15(E)	18	#5	24'-11"	
h16(E)	9	#5	24'-6"	
h17(E)	2	#5	26'-0"	
v11(E)	4	#6	17'-0"	
v12(E)	4	#8	17'-0"	
v13(E)	14	#6	23'-2"	
v14(E)	14	#8	23'-2"	
v15(E)	13	#6	25'-2"	
v16(E)	13	#8	25'-2"	
Concrete Structures	Cu. Yd.		34.0	
Reinforcement Bars, Epoxy Coated	Pound		4,520	

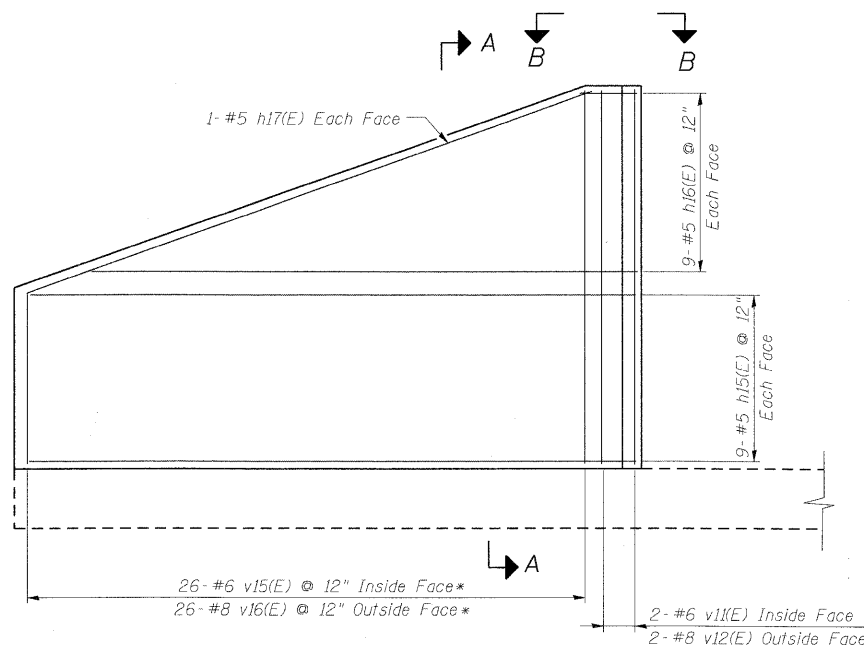


WINGWALL ELEVATION
(North East Wingwall)

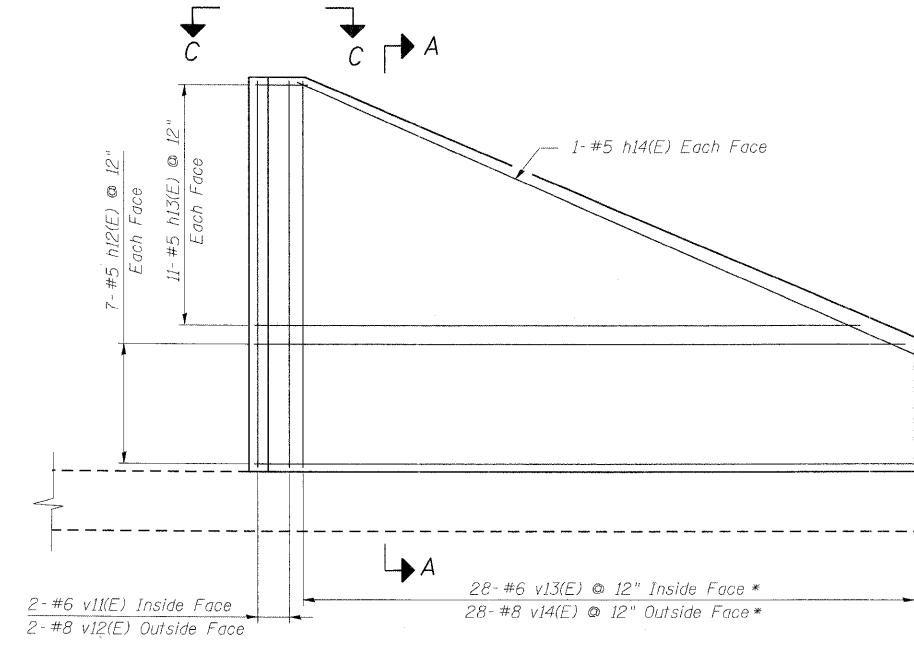
* Measured along inside face Parallel to @ Mixed Use path along Dunham Road



WINGWALL ELEVATION
(North West Wingwall)



REINFORCEMENT ELEVATION
(North East Wingwall)

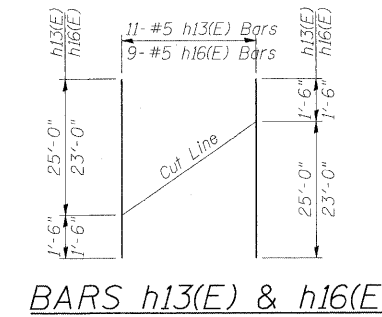


REINFORCEMENT ELEVATION
(North West Wingwall)

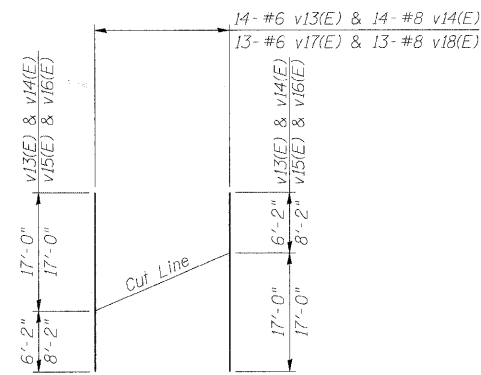
* See cutting diagram

NOTES:

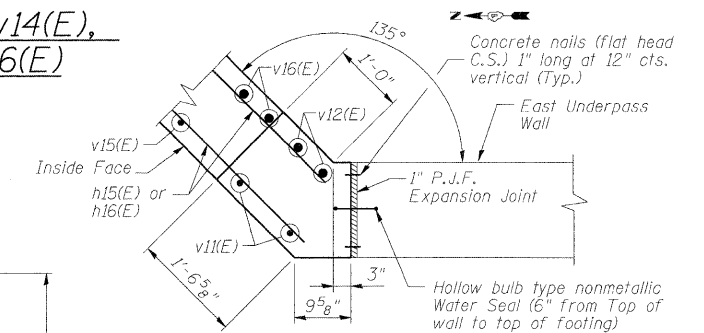
- For Wingwall Footing layout see sheet SA-3.
- Form liner architectural treatment to be applied to Inside Face of wingwalls.



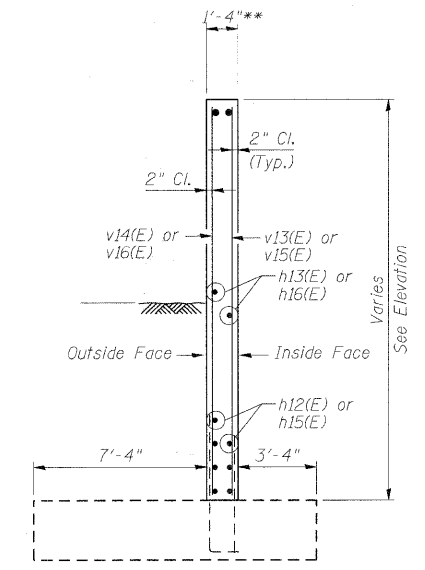
BARS h13(E) & h16(E)



BARS v13(E), v14(E), v15(E) & v16(E)

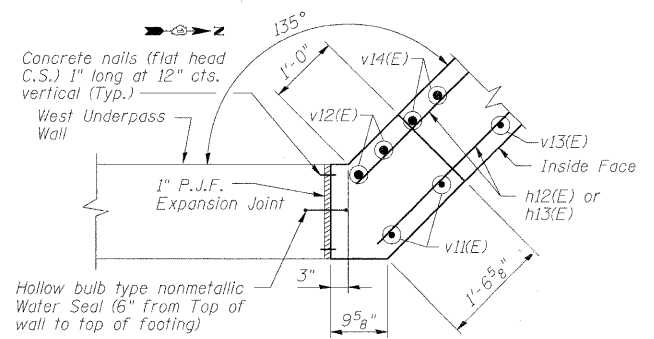


SECTION B-B



SECTION A-A

** Dimension does not include additional thickness required for architectural treatment



SECTION C-C

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

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Chicago, Illinois 60601
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Job # 3944

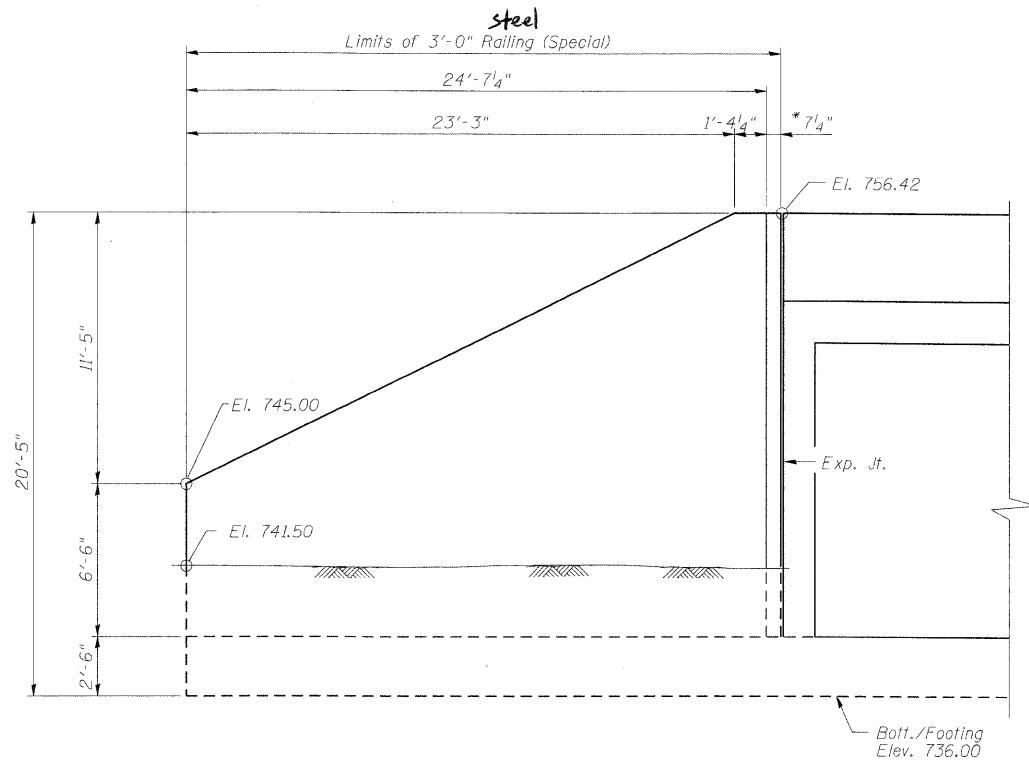
WINGWALL DETAILS - STAGE 1
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

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11:34 AM
3/30/2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

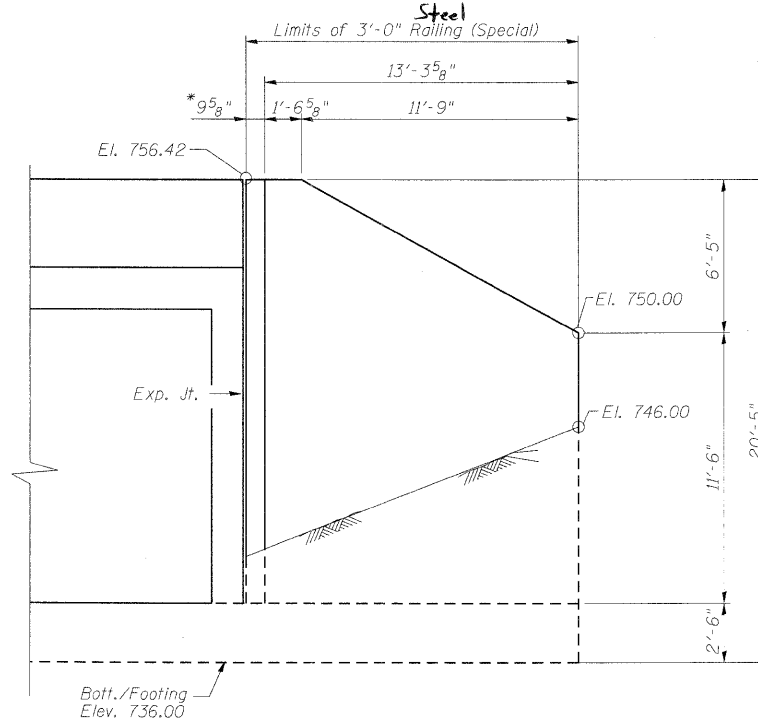
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 9 OF 14 SHEETS
-	-	KANE	545	296	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #63074

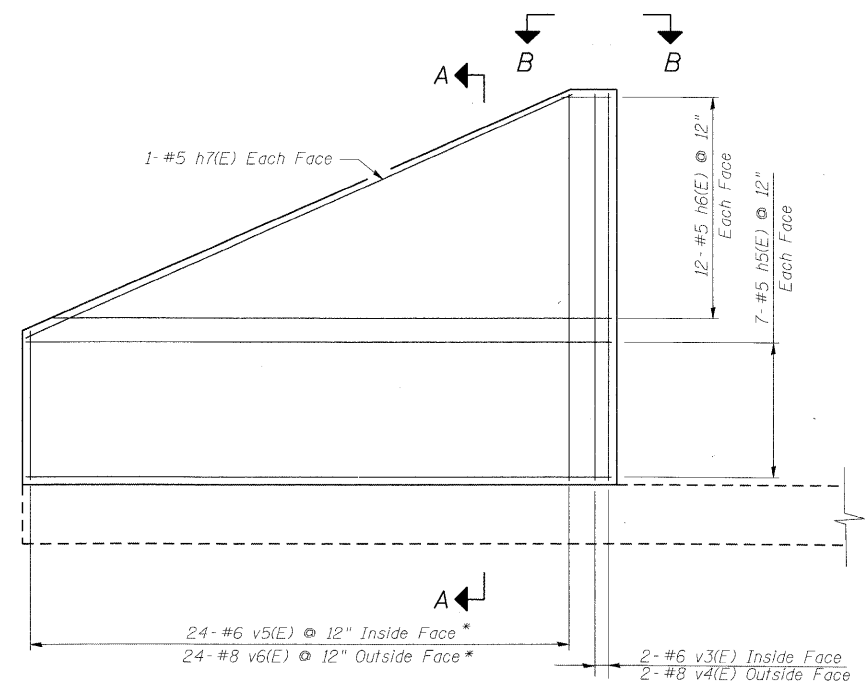
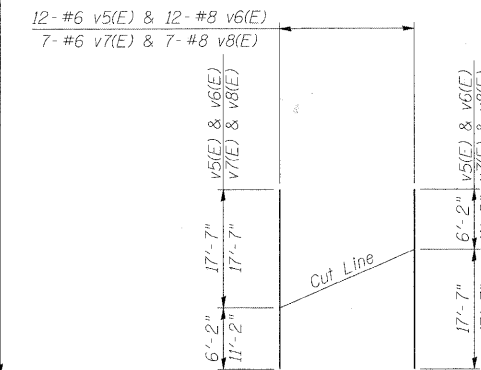
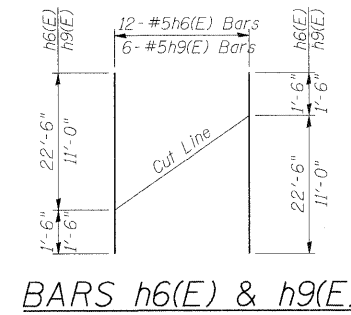


WINGWALL ELEVATION
(South West End)

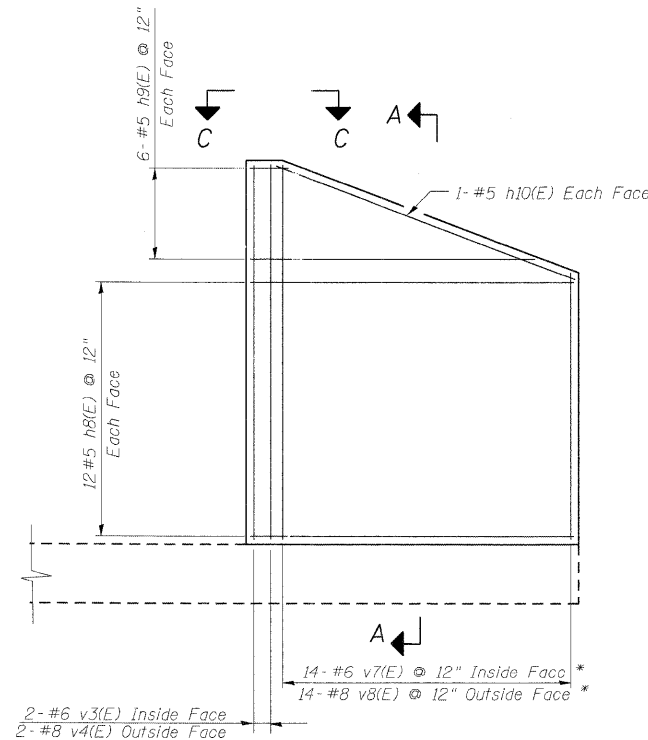
* Measured along inside face Parallel to Mixed Use path along Dunham Road



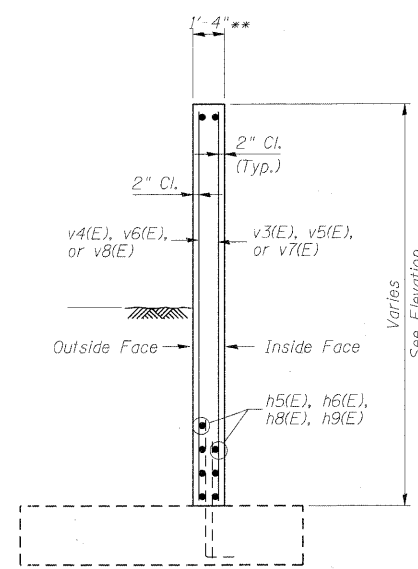
WINGWALL ELEVATION
(South East End)



REINFORCEMENT ELEVATION
(South West End)

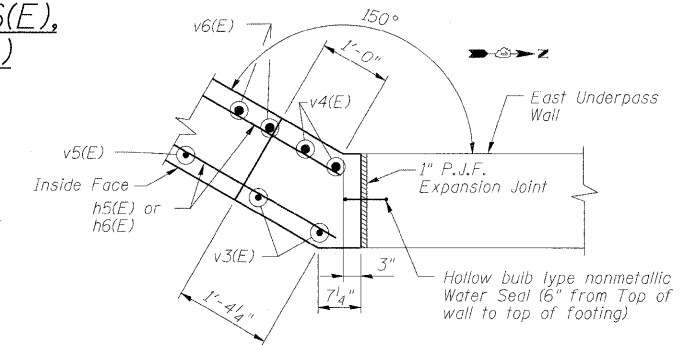


REINFORCEMENT ELEVATION
(South East End)

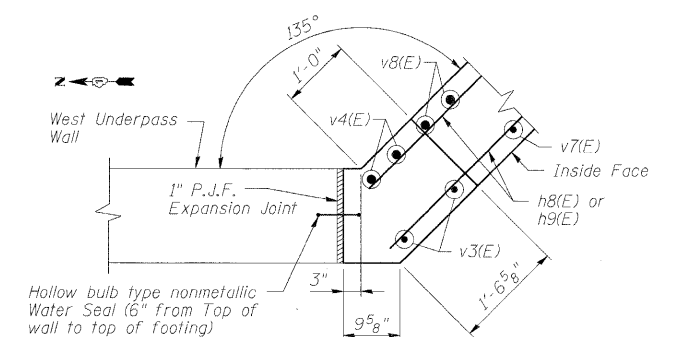


SECTION A-A

** Dimension does not include additional thickness required for architectural treatment



SECTION B-B



SECTION C-C

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

* See cutting diagram

NOTES:

- For Wingwall Footing layout see sheet SA-3.
- Form liner architectural treatment to be applied to Inside face of wingwalls.

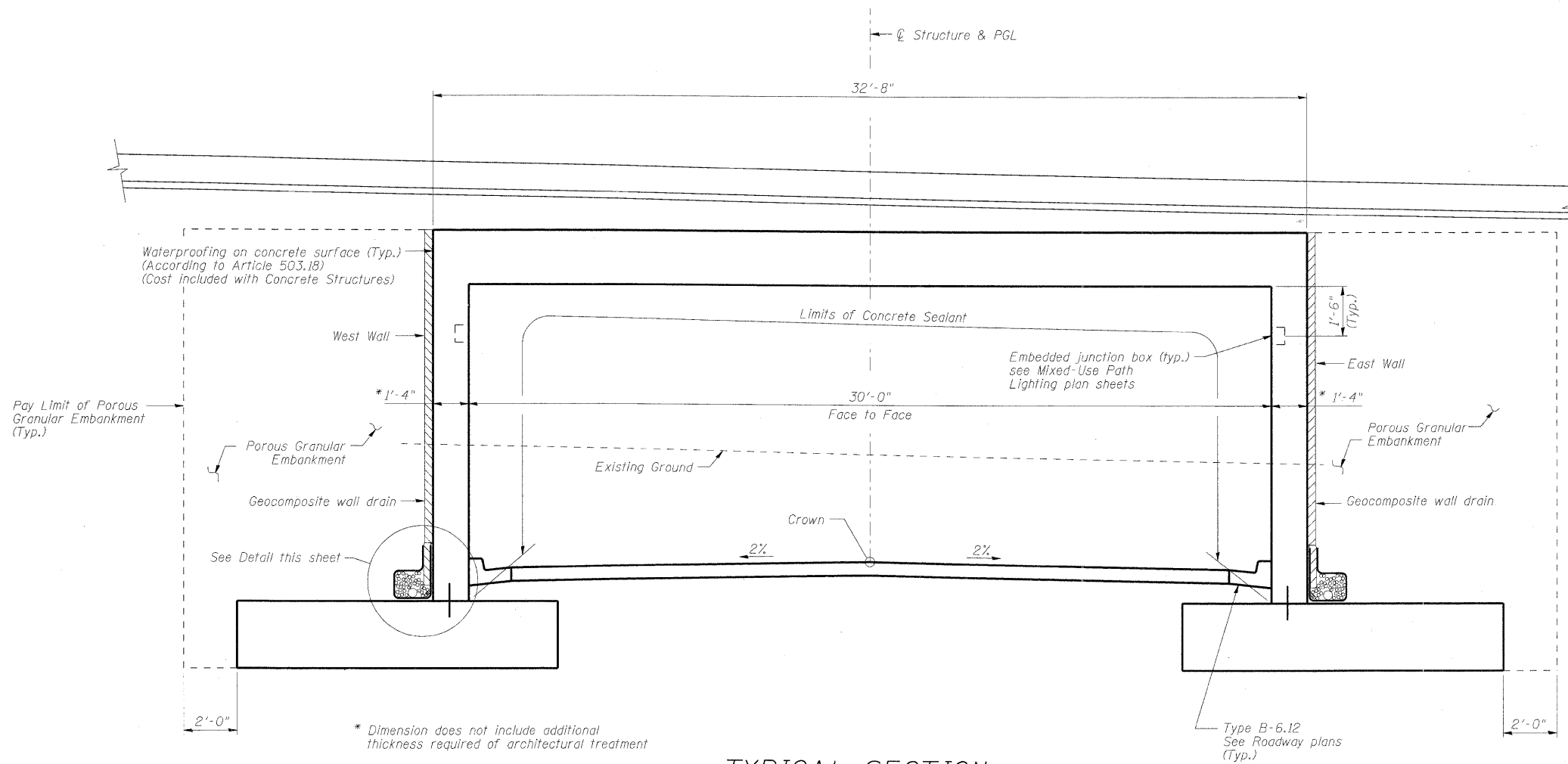
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Job # 3944

WINGWALL DETAILS - STAGE 2
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

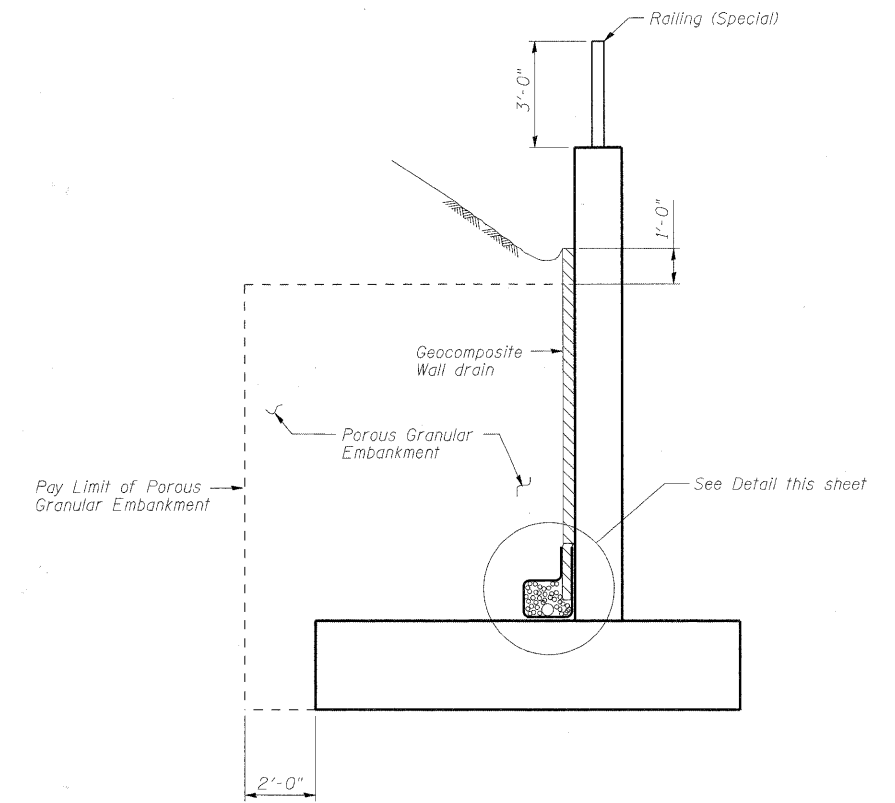
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 10 OF 14 SHEETS
-	-	KANE	545	297	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #63074



TYPICAL SECTION

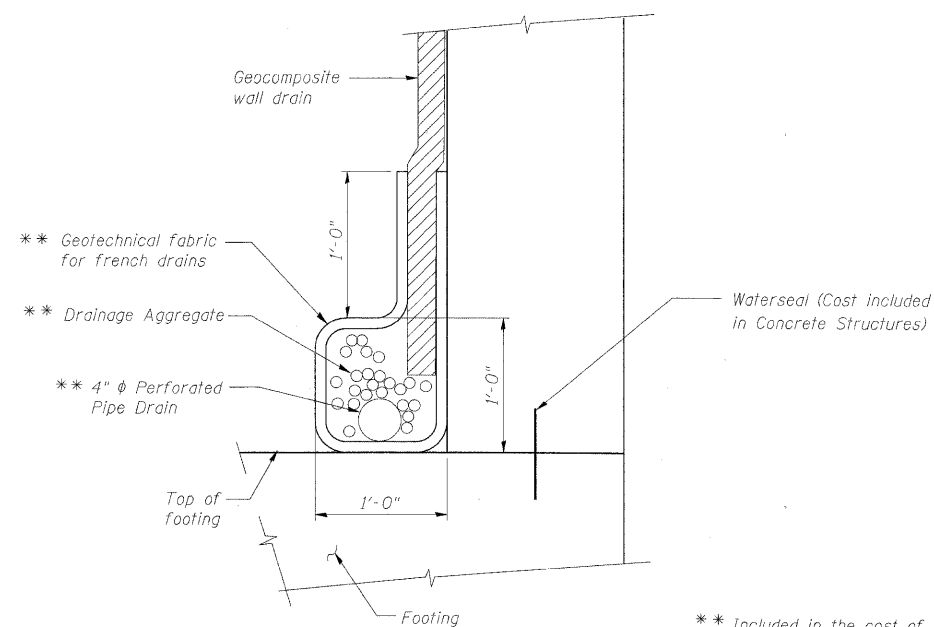
(Looking North)



TYPICAL WINGWALL SECTION

BILL OF MATERIAL

Item	Unit	Stage 1	Stage 2
Geocomposite Wall Drain	Sq. Yd.	238	268
Porous Granular Embankment	Cu. Yd.	614	686
Pipe Underdrains for Structures 4"	Foot	191	196



PIPE UNDERDRAIN DETAIL

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

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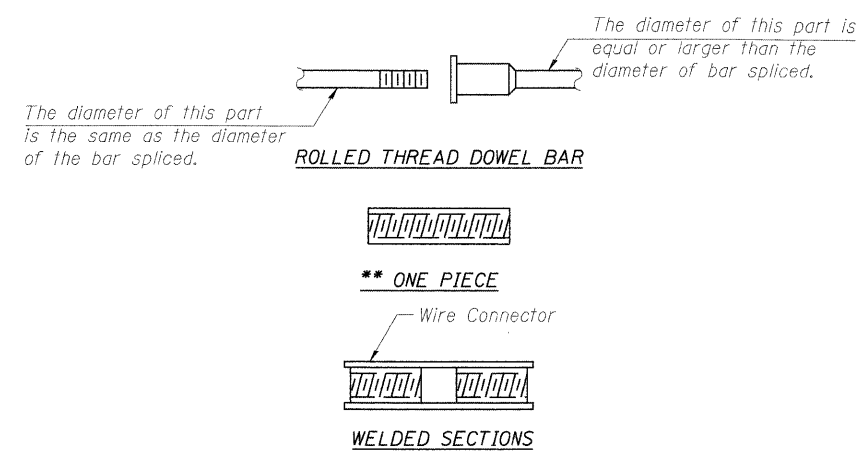
DRAINAGE DETAILS
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	298
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

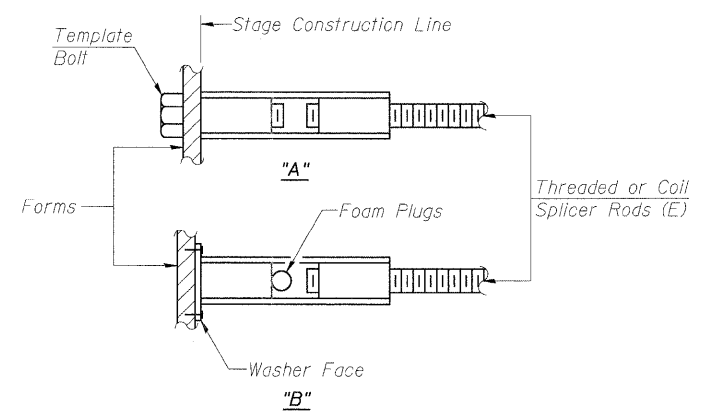
Contract #63074

SHEET SA- H
OF 14 SHEETS



BAR SPLICER ASSEMBLY ALTERNATIVES

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



INSTALLATION AND SETTING METHODS

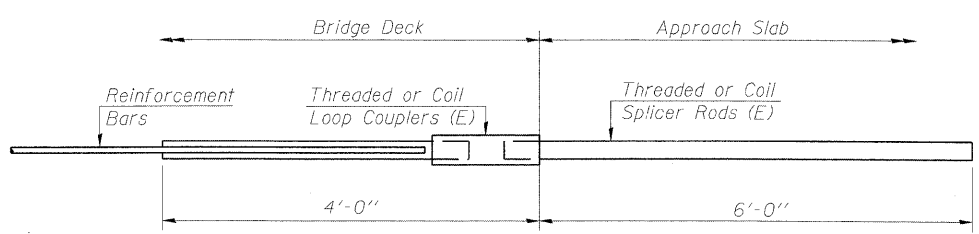
"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

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

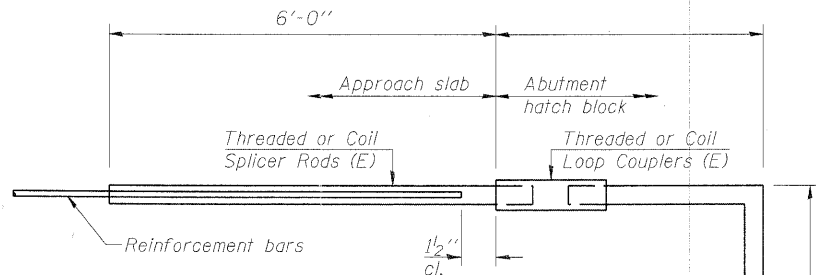
- Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_1$
 - Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_1$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_1 = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



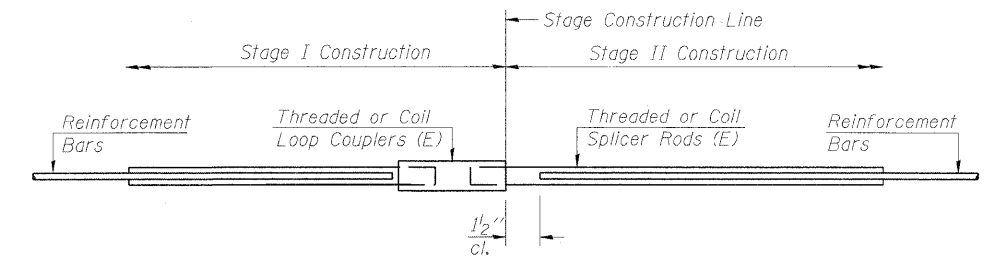
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



FOR STUB ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



STANDARD

Bar Size	No. Assemblies Required	Location
#6	44	Footing
#6	48	Walls
#7	66	Slab
#5	33	Slab

BAR SPLICER DETAILS
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

BSD-1 10-1-08

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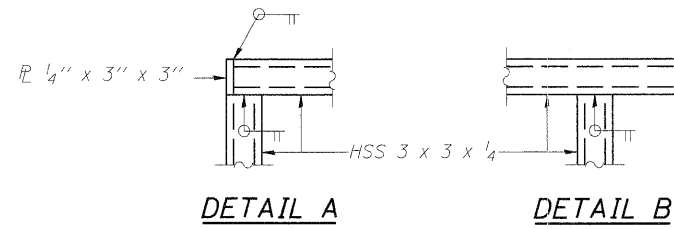
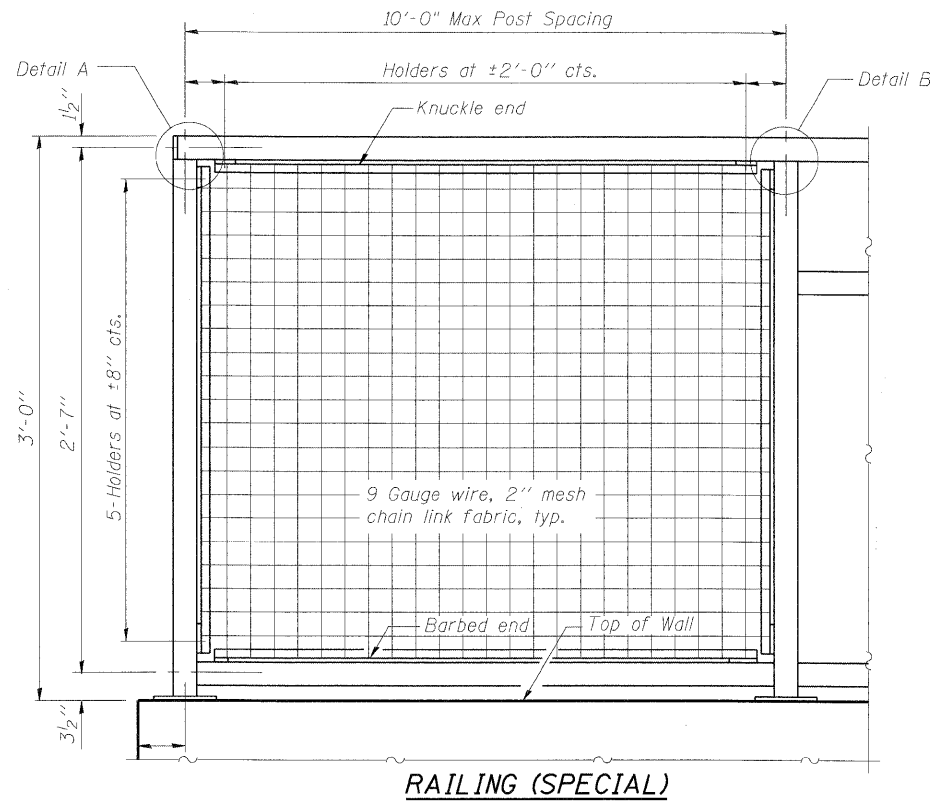
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

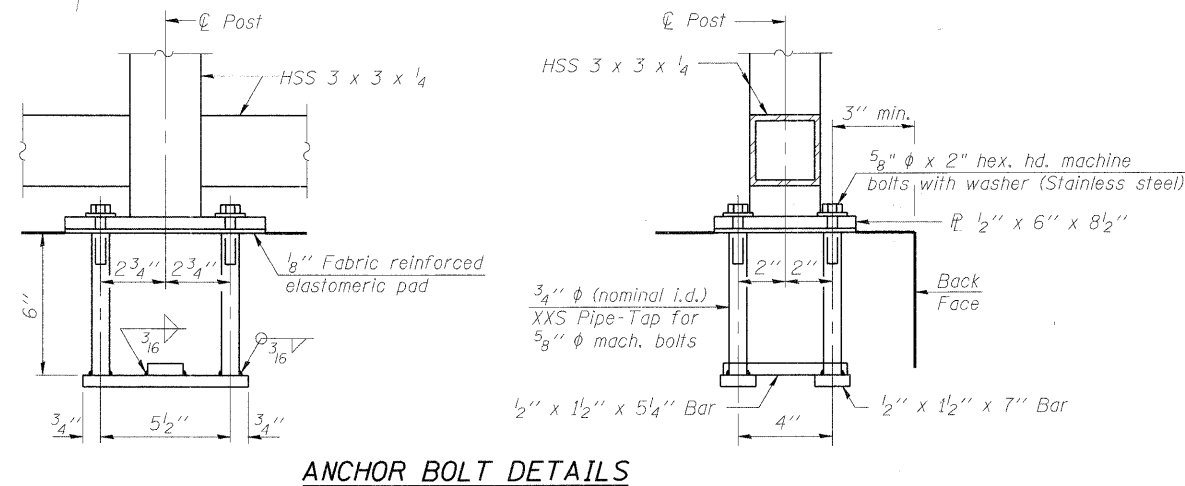
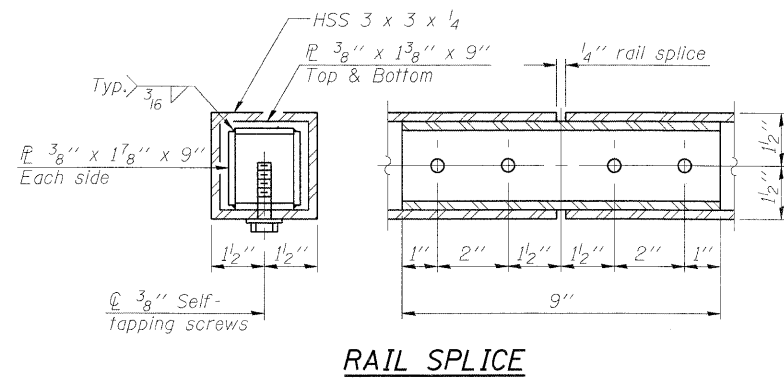
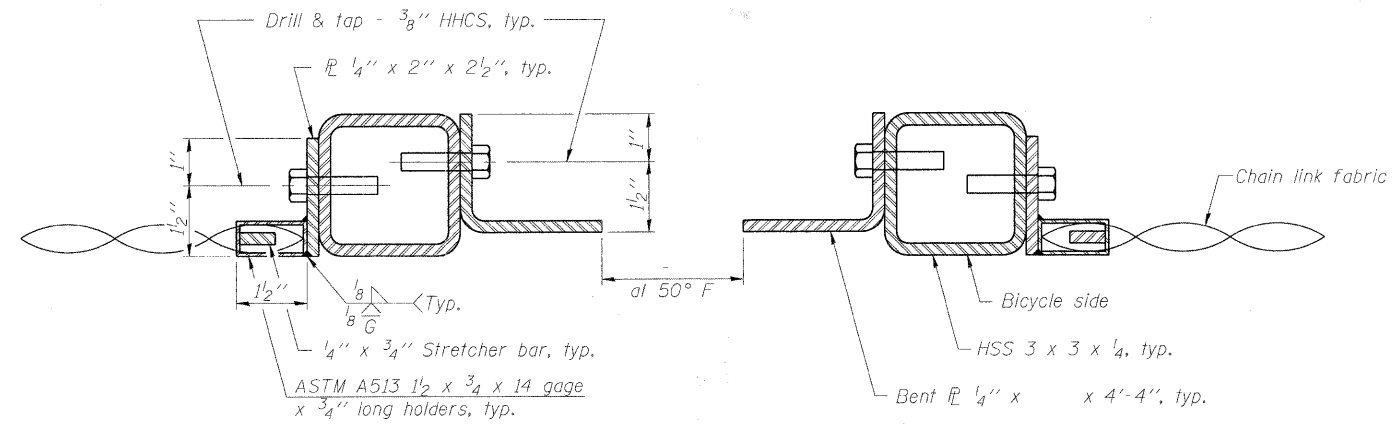
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	299
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #63074

SHEET SA- 12
OF 14 SHEETS



All post, railing, splices, anchor devices, and bent plates shall be painted. See Special Provisions.



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

Modify anchorage assembly or base plates as required to mount on both the headwall and wingwalls. Posts on wingwalls shall be vertical.

BILL OF MATERIAL

Item	Unit	Stage 1	Stage 2
Steel Railing (Special)	Foot	89	73

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

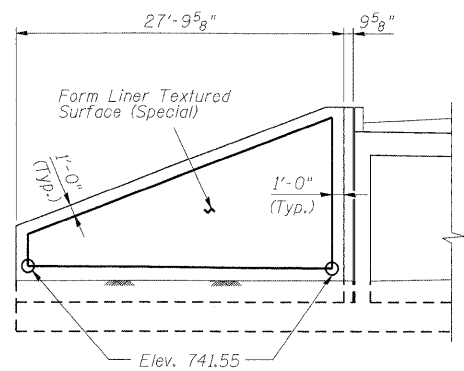
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RAIL DETAILS
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173

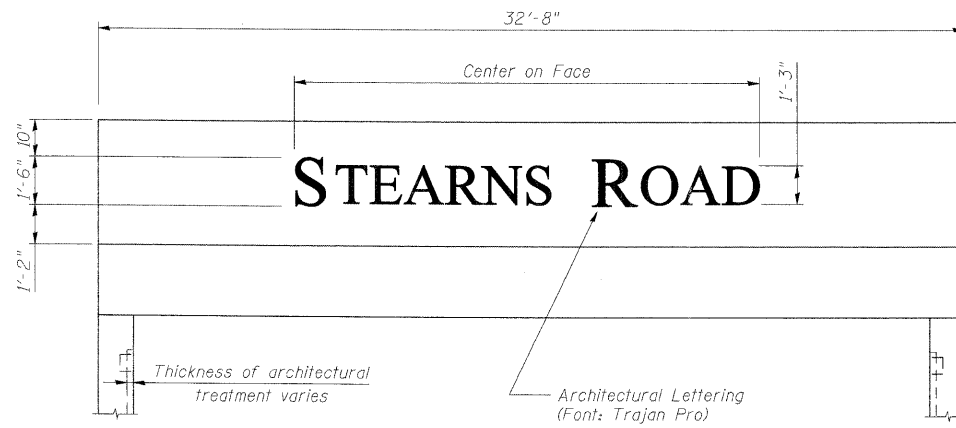
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
-	-	KANE	545	300
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

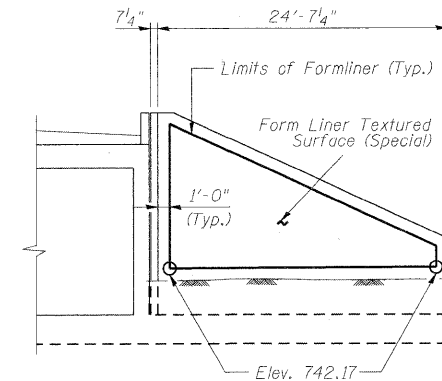
SHEET SA- 13
OF 14 SHEETS
Contract #63074



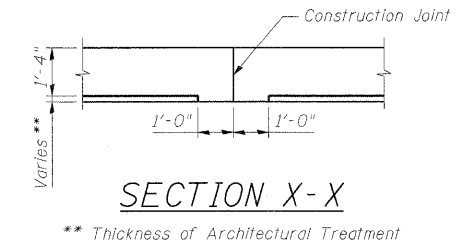
NORTH WEST WINGWALL ELEVATION



HEADWALL ELEVATION

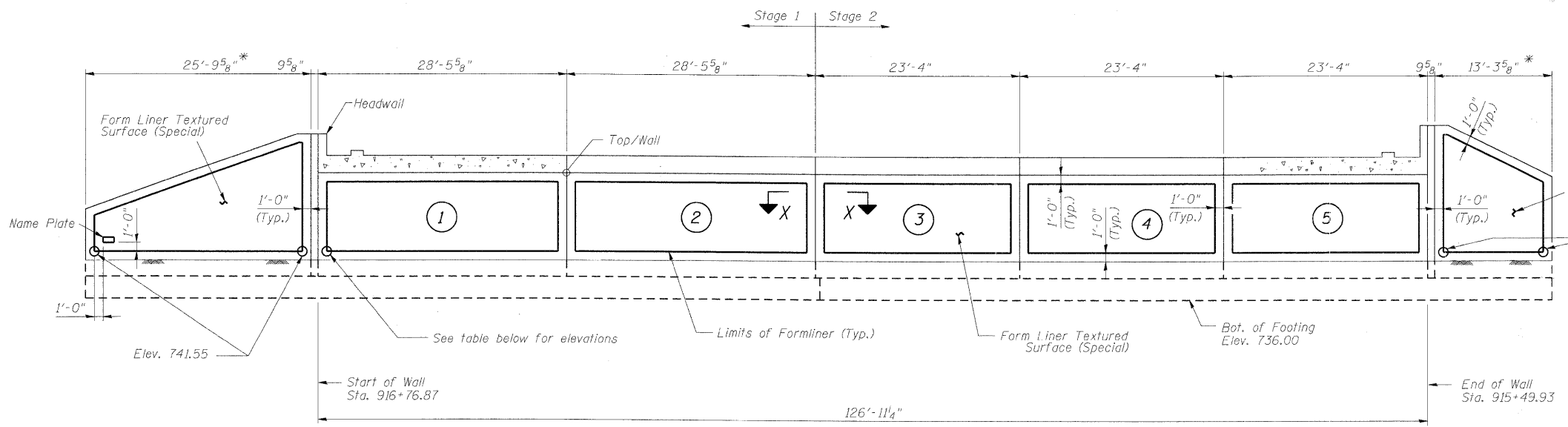


SOUTH WEST WINGWALL ELEVATION



BILL OF MATERIAL

Item	Unit	Stage 1	Stage 2
Form Liner Textured Surface (Special)	Sq. Ft.	1,659	1,766
Architectural Lettering	L. Sum	0.25	0.25
Anti-Graffiti Coating	Sq. Ft.	1,838	1,946
Graffiti Removal (Special)	Sq. Yd.	190	234



NORTH EAST WINGWALL

ELEVATION

SOUTH EAST WINGWALL

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

FORMLINER ELEVATIONS

Location	Station	Bottom Elevation
Start of Wall	916+76.87	741.56
Between Panels 1 & 2	916+48.40	741.67
Stage Construction Joint	916+19.93	741.81
Between Panels 3 & 4	915+96.60	741.93
Between Panels 4 & 5	915+73.27	742.04
End of Wall	915+49.93	742.16

NOTES:

- Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Dunham Road

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ARCHITECTURAL TREATMENT
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173