

PART OF SECTION 18, TOWNSHIP 46 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN McHENRY COUNTY, ILLINOIS

**CURVE "C"**  
 $\Delta=08^{\circ}36'21''$   
 $L=256.64'$   
 $R=1708.65'$   
 $CH=256.40'$   
 $CH. BRG.=S85^{\circ}49'08''W$

**CURVE "D"**  
 $\Delta=02^{\circ}16'15''$   
 $L=67.72'$   
 $R=1708.65'$   
 $CH=67.71'$   
 $CH. BRG.=N80^{\circ}22'50''E$

**CURVE "E"**  
 $\Delta=21^{\circ}03'16''$   
 $L=627.88'$   
 $R=1708.65'$   
 $CH=624.35'$   
 $CH. BRG.=S68^{\circ}43'05''W$

**CURVE "F"**  
 $\Delta=03^{\circ}15'16''$   
 $L=100.18'$   
 $R=1778.65'$   
 $CH=100.16'$   
 $CH. BRG.=S74^{\circ}13'39''W$

**CURVE "G"**  
 $\Delta=01^{\circ}53'50''$   
 $L=58.89'$   
 $R=1778.65'$   
 $CH=58.89'$   
 $CH. BRG.=S71^{\circ}39'06''W$

**CURVE "H"**  
 $\Delta=09^{\circ}54'08''$   
 $L=296.16'$   
 $R=1713.65'$   
 $CH=295.80'$   
 $CH. BRG.=S65^{\circ}44'46''W$

**CURVE "I"**  
 $\Delta=02^{\circ}24'52''$   
 $L=71.58'$   
 $R=1698.65'$   
 $CH=71.58'$   
 $CH. BRG.=N56^{\circ}59'01''E$

**CURVE "N"**  
 $\Delta=01^{\circ}18'56''$   
 $L=39.24'$   
 $R=1708.65'$   
 $CH=39.23'$   
 $CH. BRG.=N80^{\circ}51'30''W$

**CURVE "P"**  
 $\Delta=00^{\circ}57'18''$   
 $L=28.48'$   
 $R=1708.65'$   
 $CH=28.48'$   
 $CH. BRG.=S79^{\circ}43'22''W$

**CURVE "Q"**  
 $\Delta=03^{\circ}23'26''$   
 $L=101.11'$   
 $R=1708.65'$   
 $CH=101.10'$   
 $CH. BRG.=N77^{\circ}33'00''E$

**CURVE "S"**  
 $\Delta=15^{\circ}03'35''$   
 $L=449.11'$   
 $R=1708.65'$   
 $CH=447.81'$   
 $CH. BRG.=N68^{\circ}19'29''E$

**CURVE "1"**  
 $\Delta=34^{\circ}35'05''$   
 $L=1017.34'$  (1016.25')  
 $R=1685.40'$   
 $CH=1001.97'$   
 $CH. BRG.=N72^{\circ}50'49''E$

**CURVE "4"**  
 $\Delta=34^{\circ}35'05''$   
 $L=1041.48'$   
 $R=1725.40'$   
 $CH=1025.75'$   
 $CH. BRG.=N72^{\circ}50'49''E$

**CURVE "8"**  
 $\Delta=08^{\circ}44'37''$   
 $L=257.20'$   
 $R=1685.40'$   
 $CH=256.95'$   
 $CH. BRG.=N85^{\circ}46'03''E$

**CURVE "11"**  
 $\Delta=10^{\circ}57'58''$   
 $L=322.58'$   
 $R=1685.40'$   
 $CH=322.09'$   
 $CH. BRG.=N84^{\circ}39'22''E$

**CURVE "12"**  
 $\Delta=08^{\circ}44'37''$   
 $L=263.30'$   
 $R=1725.40'$   
 $CH=263.05'$   
 $CH. BRG.=N85^{\circ}46'03''E$

**CURVE "13"**  
 $\Delta=01^{\circ}14'35''$   
 $L=37.43'$   
 $R=1725.40'$   
 $CH=37.43'$   
 $CH. BRG.=S80^{\circ}46'27''W$

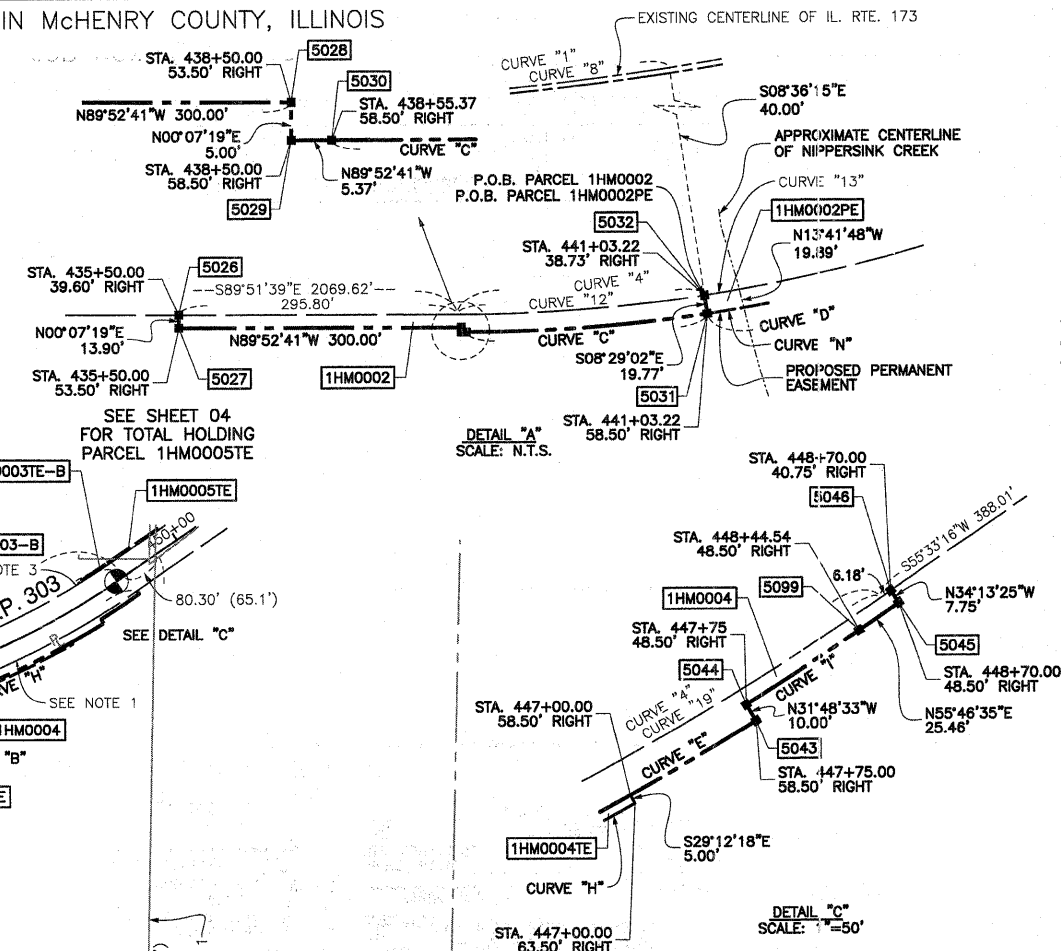
**CURVE "18"**  
 $\Delta=00^{\circ}58'47''$   
 $L=29.50'$   
 $R=1725.40'$   
 $CH=29.50'$   
 $CH. BRG.=N79^{\circ}39'47''E$

**CURVE "19"**  
 $\Delta=23^{\circ}37'07''$   
 $L=711.25'$   
 $R=1725.40'$   
 $CH=706.23'$   
 $CH. BRG.=S67^{\circ}21'50''W$

**COORDINATE SYSTEM DEFINITION:**  
 North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007))  
 Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:  
 WGS '84 North Latitude  $42^{\circ}27'45.43292''$   
 WGS '84 West Longitude  $88^{\circ}28'30.38310''$   
 WGS '84 Height  $872.92920$  U.S. Feet  
 Orthometric Height  $984.41005$  U.S. Feet (estimated utilizing Geoid '03)  
 Utilization of these parameters should yield a ground scale factor of 1.0000649815

**BEARING REFERENCE DEFINITION:**  
 North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007))  
 Illinois State Plane Eastern Zone

- NOTES
- EXISTING RIGHT OF WAY OF ILLINOIS ROUTE 173 AS GRANTED, CONVEYED AND DEDICATED BY HENRY F. GREELEY AND ARIEL V. GREELEY TO THE STATE OF ILLINOIS, DEPARTMENT OF PUBLIC WORKS AND BUILDINGS RECORDED JULY 18, 1930 IN MISCELLANEOUS RECORD BOOK 16 PAGE 10
  - APPARENT EXISTING RIGHT OF WAY OF ILLINOIS ROUTE 173 SHOWN IN PLAT OF DEDICATION PREPARED IN CONJUNCTION WITH MISCELLANEOUS RECORD BOOK 16 PAGES 7, 8, 10 AND 11 RECORDED JULY 18, 1930.
  - EXISTING RIGHT OF WAY OF ILLINOIS ROUTE 173 AS GRANTED, CONVEYED AND DEDICATED BY HENRY F. GREELEY AND ARIEL V. GREELEY TO THE STATE OF ILLINOIS, DEPARTMENT OF PUBLIC WORKS AND BUILDINGS RECORDED JULY 18, 1930 IN MISCELLANEOUS RECORD BOOK 16 PAGE 7



PROJECT COORDINATES FOR PROPOSED R.O.W.

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
5026	STA.=435+50.00	39.60' RIGHT	2111144.2273	947500.5377
5027	STA.=435+50.00	53.50' RIGHT	2111130.3259	947500.5081
5028	STA.=438+50.00	53.50' RIGHT	2111129.6874	947800.5074
5029	STA.=438+50.00	58.50' RIGHT	2111124.6875	947800.4968
5030	STA.=438+55.37	58.50' RIGHT	2111124.6760	947805.8633
5031	STA.=441+03.22	58.50' RIGHT	2111143.3694	948061.5800
5032	STA.=441+03.22	38.73' RIGHT	2111162.9221	948058.6634
5033	STA.=441+68.62	38.62' RIGHT	2111174.2168	948124.6320
5043	STA.=447+75.00	58.50' RIGHT	2111381.2970	948710.1151
5044	STA.=447+75.00	48.50' RIGHT	2111389.7951	948704.8442
5045	STA.=448+70.00	48.50' RIGHT	2111443.1145	948785.9130
5046	STA.=448+70.00	40.75' RIGHT	2111449.5264	948781.5549
5099	STA.=448+44.54	48.50' RIGHT	2111428.7967	948764.8637

**LEGEND**

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE (NOT STATIONED)  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

EXISTING BUILDING

- 3/4" IRON PIPE SET OR FOUND
- IRON PIPE OR ROD SET OR FOUND
- CUT CROSS SET OR FOUND
- CONCRETE R.O.W. MARKER FOUND
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH 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.

SCALE: 1"=200'



STATE OF ILLINOIS }  
 COUNTY OF COOK } SS

THIS IS TO CERTIFY THAT I, RANDELL E. GANN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 18, TOWNSHIP 46 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SOUTH HOLLAND, ILLINOIS THIS 18TH DAY OF FEBRUARY, 2010 A.D.

*Randell E. Gann*  
 ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003241  
 EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 303 (ILLINOIS ROUTE 173)

LIMITS: OVER NIPPERSINK CREEK COUNTY: McHENRY  
 PROJECT STATION 432+62 TO STATION 449+44  
 SCALE: 1"=200' SHEET 39 OF 106

RECEIVED  
 SEP 0 9 2010  
 PLATS & LEGALS

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