

09-18-2020 LETTING ITEM 048

FOR INDEX OF SHEETS  
SEE SHEET 2

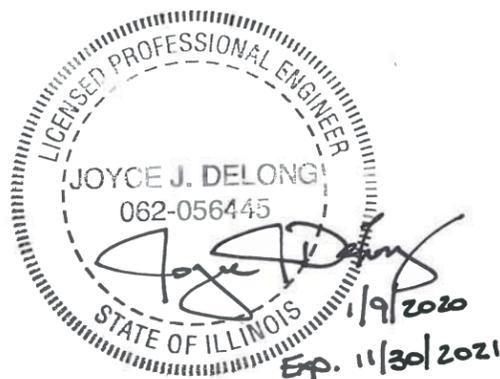
FOR LISTING OF HIGHWAY STANDARDS  
SEE SHEET 2

STATE OF ILLINOIS

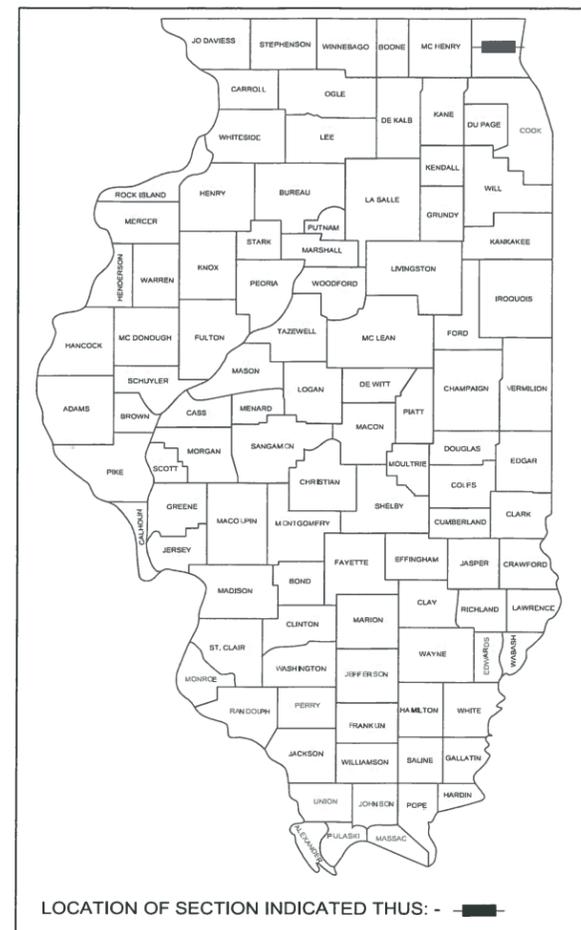
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
FEDERAL-AID HIGHWAY

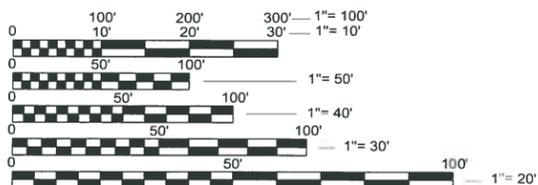
| F.A.U. RTE. | SECTION        | COUNTY             | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|--------------------|--------------|-----------|
| VAR         | 14-00031-00 SW | LAKE               | 29           | 1         |
| ILLINOIS    |                | CONTRACT NO. 61F90 |              |           |



VARIOUS ROUTES  
SIDEWALK  
SECTION: 14-00031-00 SW  
PROJECT: B6ME(038)  
VILLAGE OF LAKE VILLA  
LAKE COUNTY

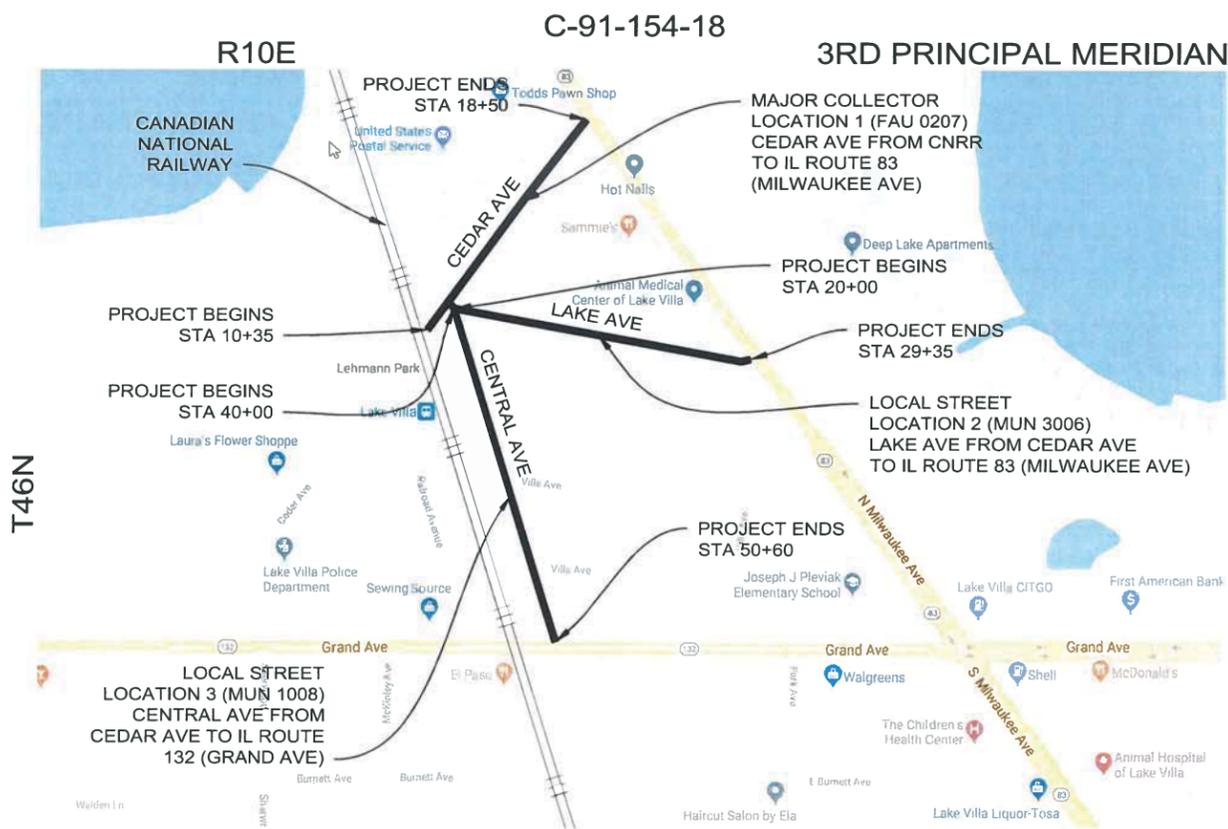


FUNCTIONAL CLASSIFICATION  
LOCAL ROAD/MAJOR COLLECTOR  
2015 ADT = 1800  
SPEED LIMIT = 20 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



GROSS LENGTH = 2,850 FT. = 0.54 MILE  
NET LENGTH = 2,850 FT. = 0.54 MILE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 1/9 2020  
Karl Warner  
LAKE VILLA, VILLAGE ADMINISTRATOR

PASSED FEB 4 2020  
Chadler  
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID  
BASED ON  
LIMITED  
REVIEW  
February 4 2020  
Anthony J. Dwyer / ABS  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 61F90

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

|                        |                    |    |      |
|------------------------|--------------------|----|------|
| PLAN                   | SURVEYED           | BY | DATE |
|                        | PLOTTED            |    |      |
| NOTE BOOK<br>NO. _____ | CHECKED            |    |      |
|                        | BY                 |    |      |
|                        | RT. OF WAY CHECKED |    |      |
|                        | PAID FILE NAME     |    |      |

|                        |                             |    |      |
|------------------------|-----------------------------|----|------|
| PROFILE                | SURVEYED                    | BY | DATE |
|                        | PLOTTED                     |    |      |
| NOTE BOOK<br>NO. _____ | CHECKED                     |    |      |
|                        | BY                          |    |      |
|                        | STRUCTURE NOTATIONS CHECKED |    |      |

### INDEX OF SHEETS

- 1 TITLE SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 SUMMARY OF QUANTITIES
- 5 SUMMARY OF QUANTITIES
- 6 TYPICAL SECTIONS
- 7 ALIGNMENTS, TIES AND BENCHMARKS
- 8 CEDAR AVENUE PLAN AND PROFILE
- 9 CEDAR AVENUE PLAN AND PROFILE
- 10 LAKE AVENUE PLAN AND PROFILE
- 11 LAKE AVENUE PLAN AND PROFILE
- 12 CENTRAL AVENUE PLAN AND PROFILE
- 13 CENTRAL AVENUE PLAN AND PROFILE
- 14 PLAT OF HIGHWAYS - TITLE SHEET
- 15 POH - SHEET 2 - CEDAR AVE - PN 000001PE
- 16 POH - SHEET 3 - LAKE AVE - PN 000002TE
- 17 POH - SHEET 4 - CENTRAL AVE - PN 000003TE
- 18 POH - SHEET 5 - CEDAR AVE - TOTAL HOLDINGS
- 19 POH - SHEET 6 - LAKE AVE - TOTAL HOLDINGS
- 20 POH - SHEET 7 - CENTRAL AVE - TOTAL HOLDINGS
- 21 LOCAL AGENCY DETAILS
- 22 TC 10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- 23 TC 22 ARTERIAL ROAD INFORMATION SIGN
- 24 CEDAR AVENUE CROSS SECTIONS
- 25 CEDAR AVENUE CROSS SECTIONS
- 26 LAKE AVENUE CROSS SECTIONS
- 27 LAKE AVENUE CROSS SECTIONS
- 28 CENTRAL AVENUE CROSS SECTIONS
- 29 CENTRAL AVENUE CROSS SECTIONS

### RR FLAGGER NOTES:

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE CANADIAN NATIONAL RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE CANADIAN NATIONAL RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

### STATE STANDARDS

| STANDARD NO. | DESCRIPTION   |
|--------------|---|
| 000001-07    | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                              |
| 280001-07    | TEMPORARY EROSION CONTROL SYSTEMS   |
| 601001-05    | SUB-SURFACE DRAIN   |
| 601101-02    | CONCRETE HEADWALL FOR DRAIN PIPE  |
| 602301-04    | INLET - TYPE A  |
| 604036-03    | GRATE TYPE 8  |
| 606001-07    | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER             |
| 701006-05    | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE |
| 701011-04    | OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY                              |
| 701301-04    | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS                               |
| 701311-03    | LANE URBAN LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY              |
| 701501-06    | URBAN LANE CLOSURE, 2L, 2W UNDIVIDED                                      |
| 701801-06    | SIDEWALK, CORNER OR CROSSWALK CLOSURE                                     |
| 701901-08    | TRAFFIC CONTROL DEVICES   |

|                                 |                        |                 |                |   |   |                          |        |                |                    |        |                 |              |
|---------------------------------|------------------------|-----------------|----------------|---|---|--------------------------|--------|----------------|--------------------|--------|-----------------|--------------|
| FILE NAME = 2 GENERAL NOTES.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D. | REVISED X.X.X. | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PROJECT REFERENCE<br>GENERAL NOTES                  |                          |        | F.A.U.<br>RTE. | SECTION            | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|                                 |                        | DRAWN P.C.G.    | REVISED X.X.X. |   |   |                          |        | VAR            | 14-00031-00 SW     | LAKE   | 29              | 2            |
| PLOT SCALE =                    | CHECKED P.E.K.         | REVISED X.X.X.  |                |   | SCALE: NONE   | SHEET NO. 2 OF 29 SHEETS | STA. . | TO STA. .      | CONTRACT NO. 61F90 |        |                 |              |
| PLOT DATE = 2/10/2020 2:31 PM   | DATE JUN-26-2019       | REVISED X.X.X.  |                |   | FED. AID DISTRICT NO. . ILLINOIS FED. AID PROJECT . |                          |        |                |                    |        |                 |              |

# SUMMARY OF QUANTITIES

CONSTRUCTION CODE  
CMAQ-STA FUNDS  
80% FED  
20% LOCAL  
ROADWAY  
0021  
URBAN

| CODE NO.   | ITEM  | UNIT  | TOTAL QUANTITY | ROADWAY |
|------------|---|-------|----------------|---------|
| * 20100500 | TREE REMOVAL, ACRES                         | ACRES | 0.1            | 0.1     |
| 20101100   | TREE TRUNK PROTECTION                       | EACH  | 3              | 3       |
| * 20101200 | TREE ROOT PRUNING                           | EACH  | 40             | 40      |
| * 20101300 | TREE PRUNING (1 TO 10 INCH DIAMETER)        | EACH  | 5              | 5       |
| * 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER)        | EACH  | 35             | 35      |
| 20200100   | EARTH EXCAVATION                            | CU YD | 1400           | 1400    |
| 20201200   | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 585            | 585     |
| 21101615   | TOPSOIL FURNISH AND PLACE, 4"               | SQ YD | 2470           | 2470    |
| 25000110   | SEEDING, CLASS 1A                           | ACRE  | 0.5            | 0.5     |
| 25000400   | NITROGEN FERTILIZER NUTRIENT                | POUND | 46             | 46      |
| 25000600   | POTASSIUM FERTILIZER NUTRIENT               | POUND | 46             | 46      |
| 25100105   | MULCH, METHOD 1                             | ACRE  | 0.5            | 0.5     |
| 28000250   | TEMPORARY EROSION CONTROL SEEDING           | POUND | 50             | 50      |
| 28000400   | PERIMETER EROSION BARRIER                   | FOOT  | 2770           | 2770    |

\* SPECIALTY ITEM  
# SPECIAL PROVISION

|               |           |      |
|---------------|-----------|------|
| PLAN          | SURVEYED  | DATE |
| NOTE BOOK NO. | PLOTTED   |      |
|               | CHECKED   |      |
|               | BY        |      |
|               | DATE      |      |
|               | FILE NAME |      |

|               |                    |      |
|---------------|--------------------|------|
| PROFILE       | SURVEYED           | DATE |
| NOTE BOOK NO. | PLOTTED            |      |
|               | CHECKED            |      |
|               | BY                 |      |
|               | DATE               |      |
|               | STRUCTURE NOTATION |      |

FILE NAME = 3 SUMMARY OF QUANTITIES.dwg

|                               |                  |                |
|-------------------------------|------------------|----------------|
| USER NAME = JOHN STAHL        | DESIGNED J.J.D.  | REVISED X.X.X. |
|                               | DRAWN P.C.G.     | REVISED X.X.X. |
| PLOT SCALE =                  | CHECKED P.E.K.   | REVISED X.X.X. |
| PLOT DATE = 2/10/2020 2:31 PM | DATE JUN-26-2019 | REVISED X.X.X. |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 29 SHEETS STA. TO STA.

|   |                |        |              |           |
|---|----------------|--------|--------------|-----------|
| F.A.U. RTE.                                     | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR   | 14-00031-00 SW | LAKE   | 29           | 3         |
| CONTRACT NO. 61F90                              |                |        |              |           |
| FED. AID DISTRICT NO. ILLINOIS FED. AID PROJECT |                |        |              |           |



SUMMARY OF QUANTITIES - CONT

CONSTRUCTION CODE  
CMAQ-STA FUNDS  
80% FED  
20% LOCAL  
ROADWAY  
0021  
URBAN

|     | CODE NO. | ITEM  | UNIT  | TOTAL QUANTITY |     |
|-----|----------|---|-------|----------------|-----|
| # * | 56400400 | FIRE HYDRANTS TO BE RELOCATED                     | EACH  | 1              | 1   |
|     | 60108206 | PIPE UNDERDRAINS, TYPE 2, 6"                      | FOOT  | 900            | 900 |
|     | 60236200 | INLETS, TYPE A, TYPE 8 GRATE                      | EACH  | 2              | 2   |
|     | 60600605 | CONCRETE CURB, TYPE B                             | FOOT  | 160            | 160 |
|     | 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT  | 40             | 40  |
|     | 67100100 | MOBILIZATION                                      | L SUM | 1              | 1   |
|     | 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501   | L SUM | 1              | 1   |
|     | 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801   | L SUM | 1              | 1   |
| * # | 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6"          | FOOT  | 300            | 300 |
| #   | Z0030850 | TEMPORARY INFORMATION SIGNING                     | SQ FT | 155            | 155 |

\* SPECIALTY ITEM  
# SPECIAL PROVISION

|               |           |      |
|---------------|-----------|------|
| PLAN          | SURVEYED  | DATE |
| NOTE BOOK NO. | PLOTTED   | BY   |
|               | CHECKED   |      |
|               | DATE      |      |
|               | FILE NAME |      |

|               |                          |      |
|---------------|--------------------------|------|
| PROFILE       | SURVEYED                 | DATE |
| NOTE BOOK NO. | PLOTTED                  | BY   |
|               | CHECKED                  |      |
|               | DATE                     |      |
|               | STRUCTURE NOTATIONS CHRG |      |

FILE NAME = 5 SUMMARY OF QUANTITIES.dwg

|                                |                  |                |
|--------------------------------|------------------|----------------|
| USER NAME = JOHN STAHL         | DESIGNED J.J.D.  | REVISED X.X.X. |
|                                | DRAWN P.C.G.     | REVISED X.X.X. |
| PLOT SCALE =                   | CHECKED P.E.K.   | REVISED X.X.X. |
| PLOT DATE = 2/12/2020 10:52 AM | DATE JUN-26-2019 | REVISED X.X.X. |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE  
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 29 SHEETS STA. TO STA.

|   |                |        |              |           |
|---|----------------|--------|--------------|-----------|
| F.A.U. RTE.                                     | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR   | 14-00031-00 SW | LAKE   | 29           | 5         |
| CONTRACT NO. 61F90                              |                |        |              |           |
| FED. AID DISTRICT NO. ILLINOIS FED. AID PROJECT |                |        |              |           |

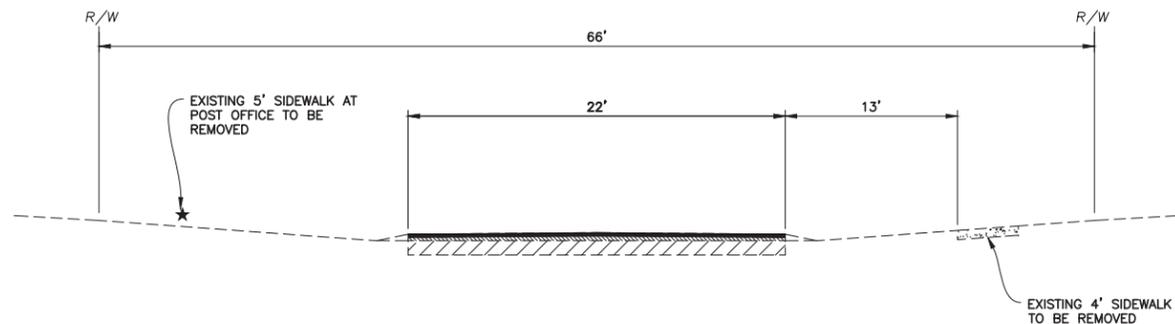
# HOT-MIX ASPHALT MIXTURE REQUIREMENTS

|  |                 |
|--|-----------------|
| MIXTURE TYPE - DRIVEWAYS                             | AIR VOIDS @Ndes |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 | 4% @ 50 GYR     |
| HOT-MIX ASPHALT BINDER COURSE, IL-19mm, N50          | 4% @ 50 GYR     |

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

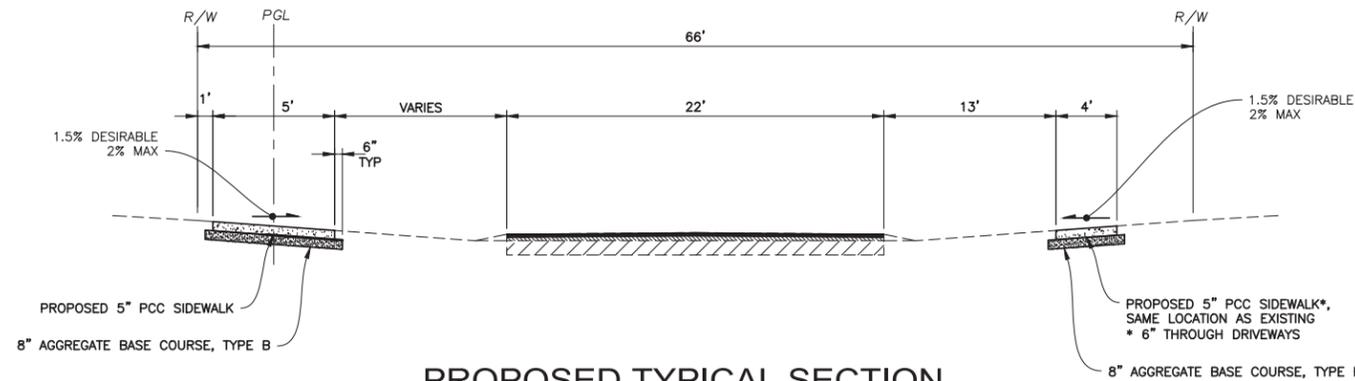
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | NO. OF WAY CHECKED |    |      |
|      | PAID FILE NAME     |    |      |



**EXISTING TYPICAL SECTION  
STA 10+35 TO STA 18+50, CEDAR AVENUE**

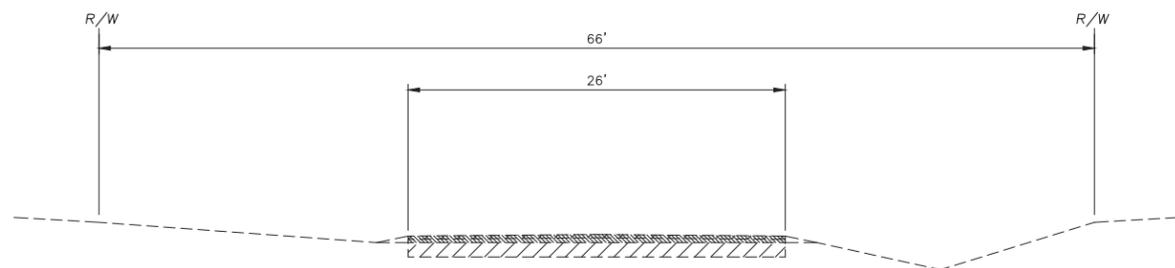
RAILROAD TO MILWAUKEE AVENUE



**PROPOSED TYPICAL SECTION  
STA 10+35 TO STA 18+50, CEDAR AVENUE**

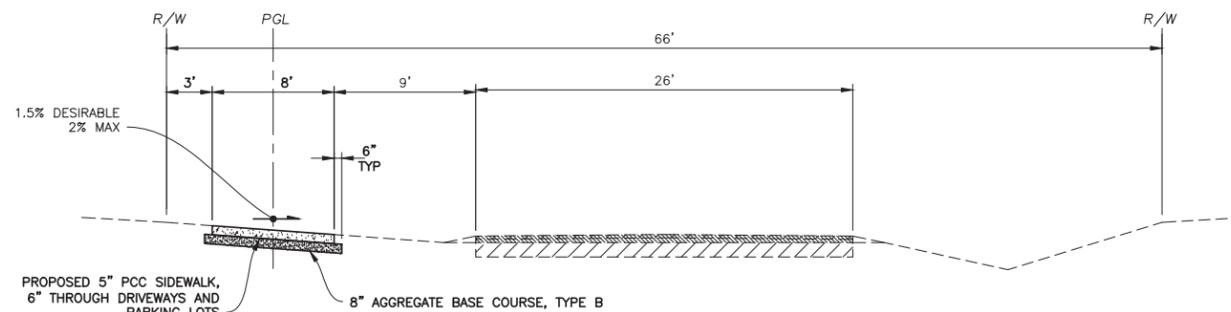
RAILROAD TO MILWAUKEE AVENUE

|         |                             |    |      |
|---------|-----------------------------|----|------|
| PROFILE | SURVEYED                    | BY | DATE |
|         | PLOTTED                     |    |      |
|         | CHECKED                     |    |      |
|         | NO. OF WAY CHECKED          |    |      |
|         | STRUCTURE NOTATIONS CHECKED |    |      |



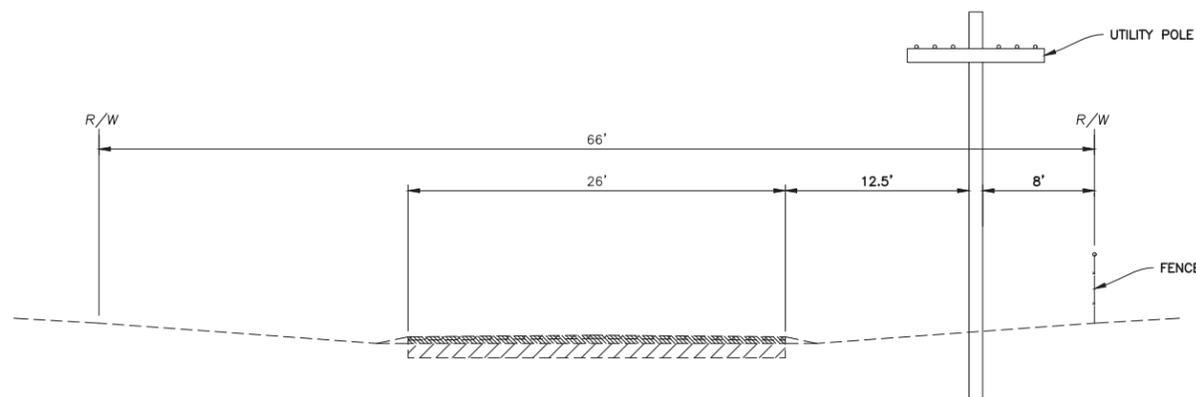
**EXISTING TYPICAL SECTION  
STA 20+00 TO STA 29+35, LAKE AVENUE**

CEDAR AVENUE TO MILWAUKEE AVENUE



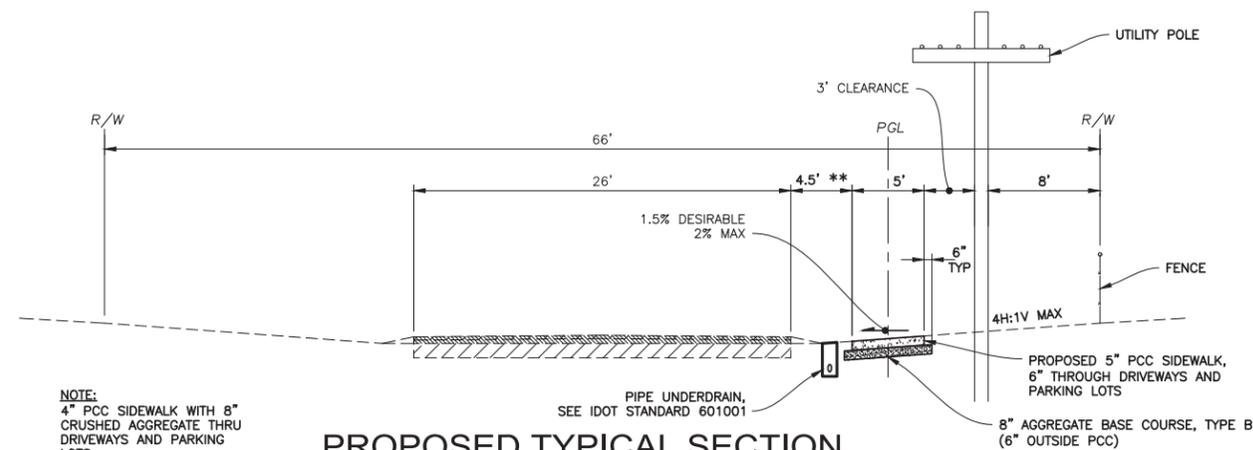
**PROPOSED TYPICAL SECTION  
STA 20+00 TO STA 29+35, LAKE AVENUE**

CEDAR AVENUE TO MILWAUKEE AVENUE



**EXISTING TYPICAL SECTION  
STA 40+00 TO STA 50+60, CENTRAL AVENUE**

CEDAR AVENUE TO GRAND AVENUE



**PROPOSED TYPICAL SECTION  
STA 40+00 TO STA 50+60, CENTRAL AVENUE**

CEDAR AVENUE TO GRAND AVENUE

NOTE:  
4" PCC SIDEWALK WITH 8" CRUSHED AGGREGATE THRU DRIVEWAYS AND PARKING LOTS.

PIPE UNDERDRAIN, SEE IDOT STANDARD 601001

\*\* STA. 47+00 TO 49+00 ONLY MIN 5' BALANCE

FILE NAME = 6 TYPICAL SECTIONS.dwg

USER NAME = JOHN STAHL

DESIGNED J.J.D.

DRAWN J.C.S.

CHECKED P.E.K.

DATE JUN-26-2019

REVISED X.X.X.

REVISED X.X.X.

REVISED X.X.X.

REVISED X.X.X.

DESIGNED J.J.D.

DRAWN J.C.S.

CHECKED P.E.K.

DATE JUN-26-2019

REVISED X.X.X.

REVISED X.X.X.

REVISED X.X.X.

REVISED X.X.X.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE  
TYPICAL SECTIONS

SCALE: 1" = 20'

SHEET NO. 6 OF 29 SHEETS

STA. .

TO STA. .

|   |                |        |              |           |
|---|----------------|--------|--------------|-----------|
| F.A.U. RTE.   | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR   | 14-00031-00 SW | LAKE   | 29           | 6         |
| CONTRACT NO. 61F90                                  |                |        |              |           |
| FED. AID DISTRICT NO. . ILLINOIS FED. AID PROJECT . |                |        |              |           |

**SITE BENCHMARKS**

| BM NO. | DESCRIPTION/LOCATION  | ELEV.  |
|--------|---|--------|
| 2586   | WEST BOLT OF HYDRANT AT NORTHEAST CORNER OF CENTRAL AVENUE AND VILLA AVENUE   | 795.21 |
| 5217   | TOP OPERATING NUT OF HYDRANT ON SOUTHEAST SIDE OF CEDAR AVENUE, ABOUT 250' NE OF THE INTERSECTION OF CEDAR AVE AND LAKE AVE | 796.83 |
| 5320   | TOP OPERATING NUT OF HYDRANT ON NORTH SIDE OF LAKE AVENUE, ABOUT 250' E OF THE INTERSECTION OF CEDAR AVE AND LAKE AVE       | 797.70 |
| 5379   | TOP OPERATING NUT OF HYDRANT ON NORTH SIDE OF LAKE AVENUE, ABOUT 580' E OF THE INTERSECTION OF CEDAR AVE AND LAKE AVE       | 793.11 |
| 5451   | TOP OPERATING NUT OF HYDRANT AT NORTHWEST CORNER OF LAKE AVENUE AND MILWAUKEE AVE (IL RT 83)                                | 791.85 |
| 5843   | TOP OPERATING NUT OF HYDRANT ON SOUTHEAST SIDE OF CEDAR AVENUE, ABOUT 550' NE OF THE INTERSECTION OF CEDAR AVE AND LAKE AVE | 808.99 |
| 5993   | TOP OPERATING NUT OF HYDRANT AT WEST CORNER OF CEDAR AVENUE AND MILWAUKEE AVE (IL RT 83)                                    | 813.51 |

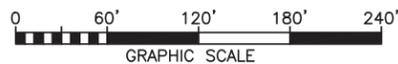
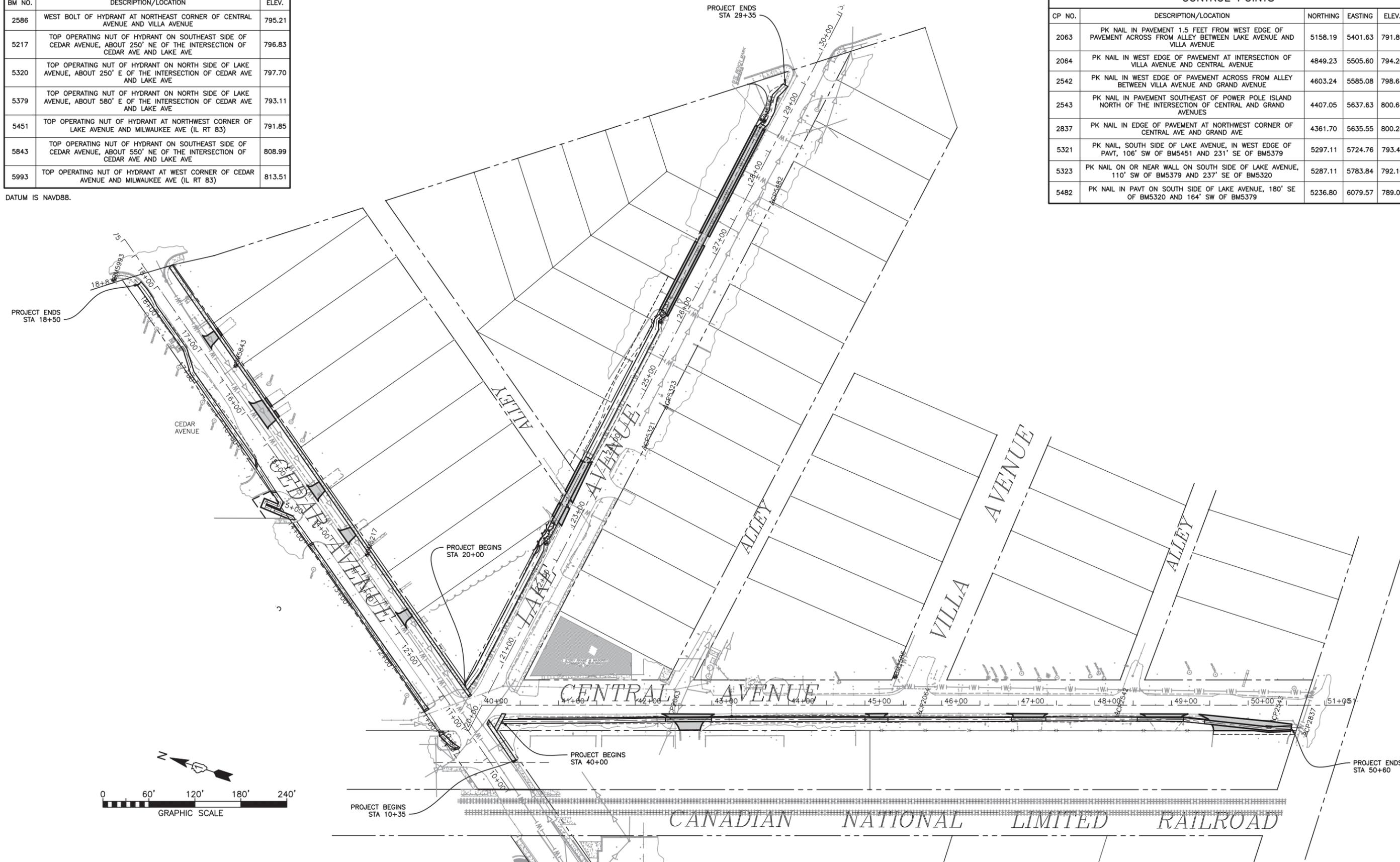
DATUM IS NAVD88.

**CONTROL POINTS**

| CP NO. | DESCRIPTION/LOCATION   | NORTHING | EASTING | ELEV.  |
|--------|--|----------|---------|--------|
| 2063   | PK NAIL IN PAVEMENT 1.5 FEET FROM WEST EDGE OF PAVEMENT ACROSS FROM ALLEY BETWEEN LAKE AVENUE AND VILLA AVENUE | 5158.19  | 5401.63 | 791.89 |
| 2064   | PK NAIL IN WEST EDGE OF PAVEMENT AT INTERSECTION OF VILLA AVENUE AND CENTRAL AVENUE                            | 4849.23  | 5505.60 | 794.20 |
| 2542   | PK NAIL IN WEST EDGE OF PAVEMENT ACROSS FROM ALLEY BETWEEN VILLA AVENUE AND GRAND AVENUE                       | 4603.24  | 5585.08 | 798.64 |
| 2543   | PK NAIL IN PAVEMENT SOUTHEAST OF POWER POLE ISLAND NORTH OF THE INTERSECTION OF CENTRAL AND GRAND AVENUES      | 4407.05  | 5637.63 | 800.64 |
| 2837   | PK NAIL IN EDGE OF PAVEMENT AT NORTHWEST CORNER OF CENTRAL AVE AND GRAND AVE                                   | 4361.70  | 5635.55 | 800.28 |
| 5321   | PK NAIL, SOUTH SIDE OF LAKE AVENUE, IN WEST EDGE OF PAVT, 106' SW OF BM5451 AND 231' SE OF BM5379              | 5297.11  | 5724.76 | 793.41 |
| 5323   | PK NAIL ON OR NEAR WALL ON SOUTH SIDE OF LAKE AVENUE, 110' SW OF BM5379 AND 237' SE OF BM5320                  | 5287.11  | 5783.84 | 792.16 |
| 5482   | PK NAIL IN PAVT ON SOUTH SIDE OF LAKE AVENUE, 180' SE OF BM5320 AND 164' SW OF BM5379                          | 5236.80  | 6079.57 | 789.01 |

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | PT. OF WAY CHECKED |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | BM NOTED                 |    |      |
|         | STRUCTURE NOTATIONS CHKD |    |      |



FILE NAME = 7 ALIGNMENTS, TIES AND BENCHMARKS.dwg

USER NAME = JOHN STAHL  
 PLOT SCALE =  
 PLOT DATE = 2/10/2020 2:32 PM

DESIGNED J.J.D.  
 DRAWN J.C.S./P.C.G.  
 CHECKED P.E.K.  
 DATE JUN-26-2019

REVISED X.X.X.  
 REVISED X.X.X.  
 REVISED X.X.X.  
 REVISED X.X.X.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE  
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 60'

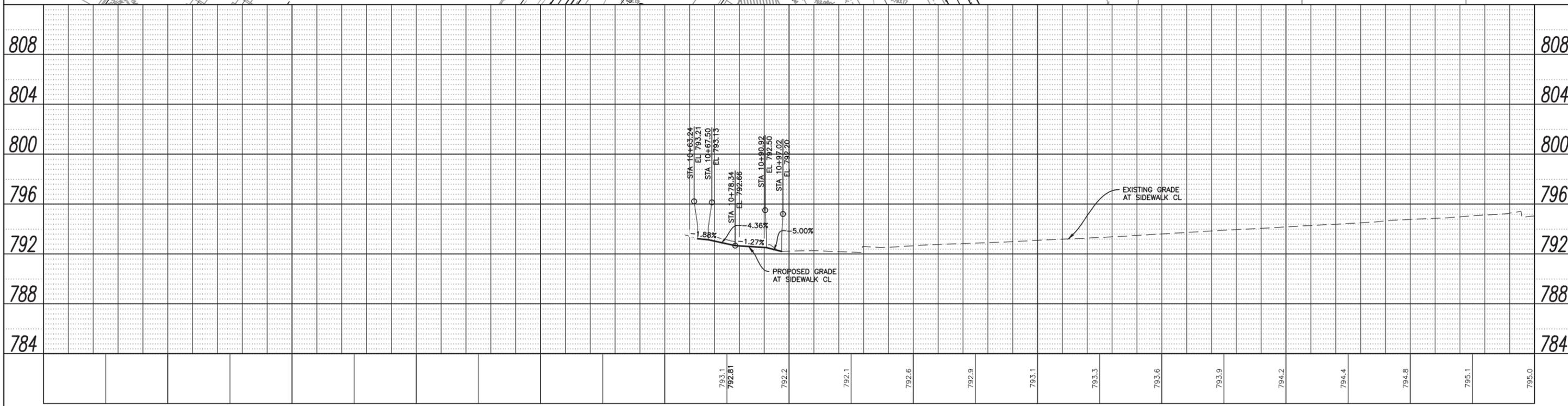
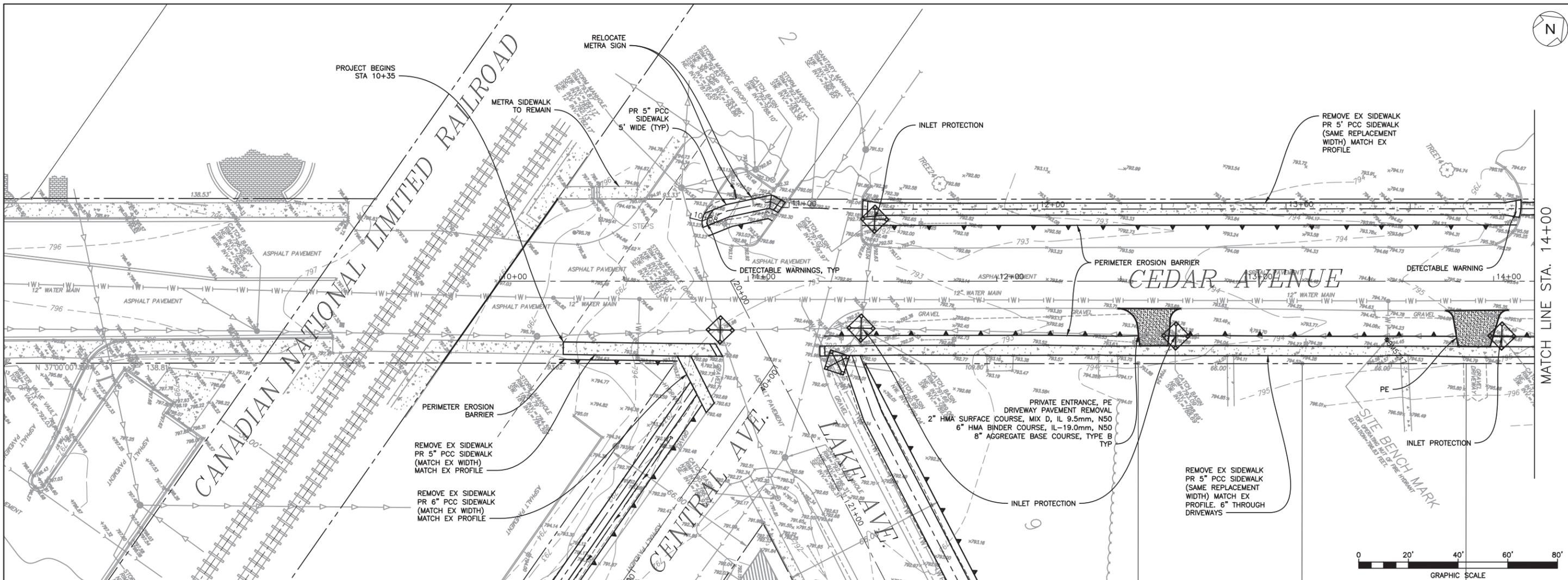
SHEET NO. 7 OF 29 SHEETS

STA. . TO STA. .

|   |                |        |              |           |
|---|----------------|--------|--------------|-----------|
| F.A.U. RTE.   | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR   | 14-00031-00 SW | LAKE   | 29           | 7         |
| CONTRACT NO. 61F90                                  |                |        |              |           |
| FED. AID DISTRICT NO. . ILLINOIS FED. AID PROJECT . |                |        |              |           |

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | RT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHRG |    |      |
|         | NO. _____                |    |      |

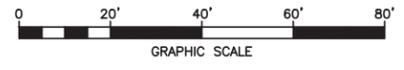
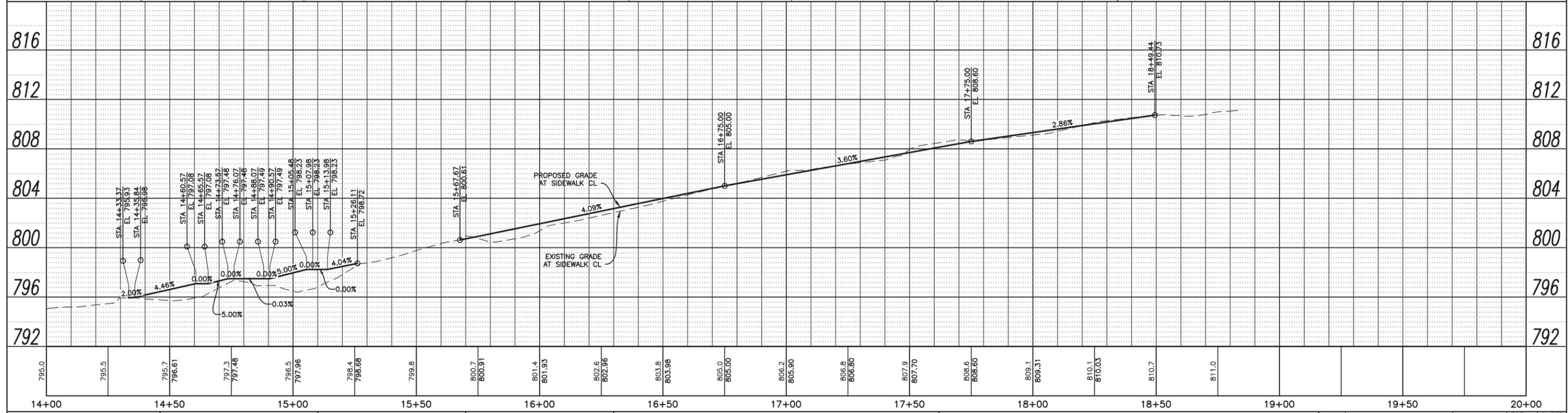
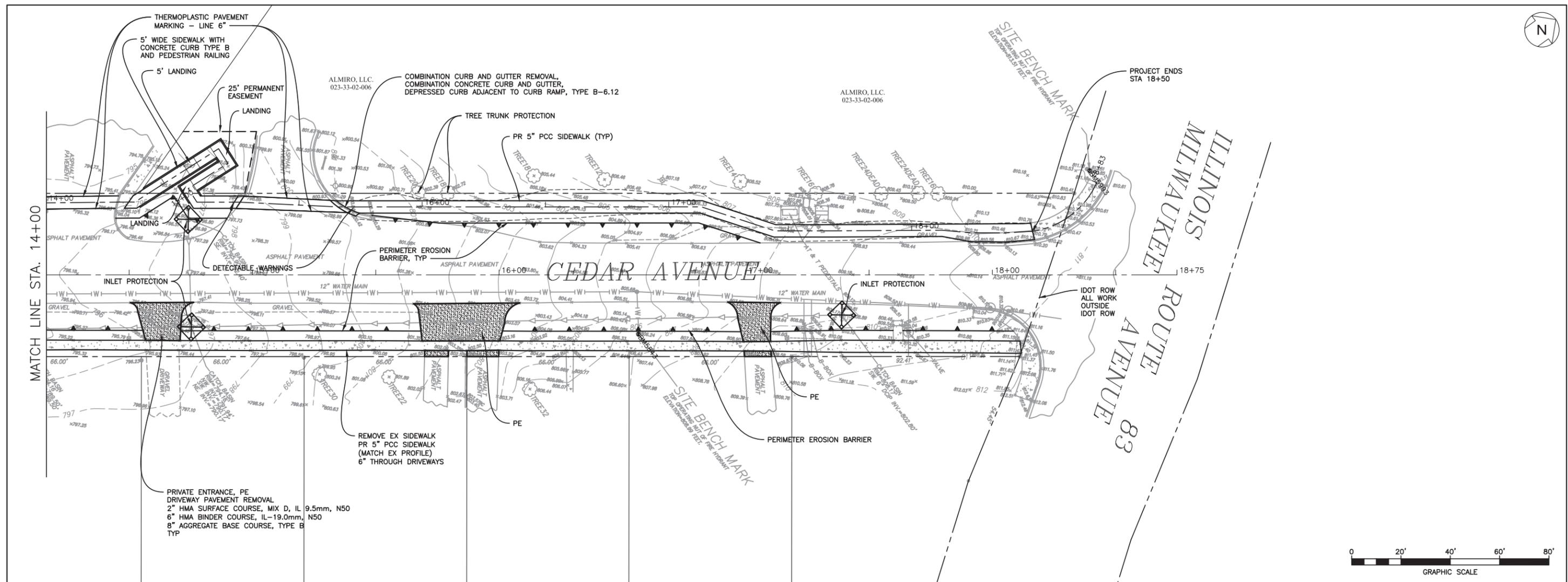


|                                    |                        |                 |                |   |                                  |   |                |        |              |           |  |
|------------------------------------|------------------------|-----------------|----------------|---|----------------------------------|---|----------------|--------|--------------|-----------|--|
| FILE NAME = 8 PLAN AND PROFILE.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D. | REVISED X.X.X. | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | CEDAR AVENUE<br>PLAN AND PROFILE | F.A.U. RTE.   | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| PLOT SCALE =                       | CHECKED P.E.K.         | REVISED X.X.X.  | REVISED X.X.X. |   |                                  | VAR   | 14-00031-00 SW | LAKE   | 29           | 8         |  |
| PLOT DATE = 2/10/2020 2:33 PM      | DATE JUN-26-2019       | REVISED X.X.X.  |                |   |                                  | CONTRACT NO. 61F90  |                |        |              |           |  |
|                                    |                        |                 |                |   |                                  | FED. AID DISTRICT NO. . . ILLINOIS FED. AID PROJECT . . . |                |        |              |           |  |



|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | RT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

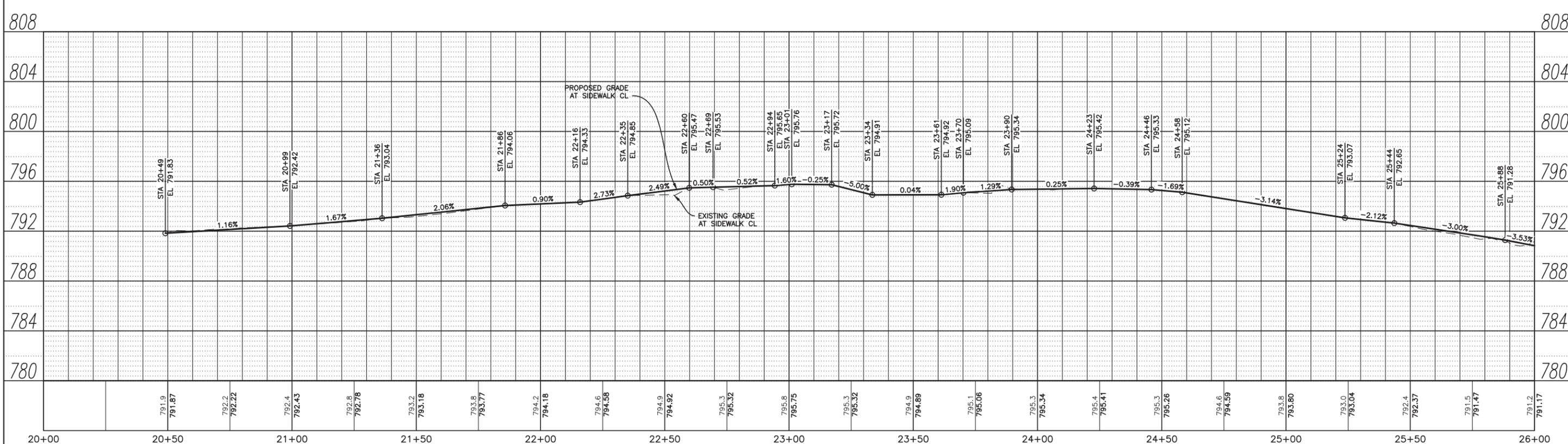
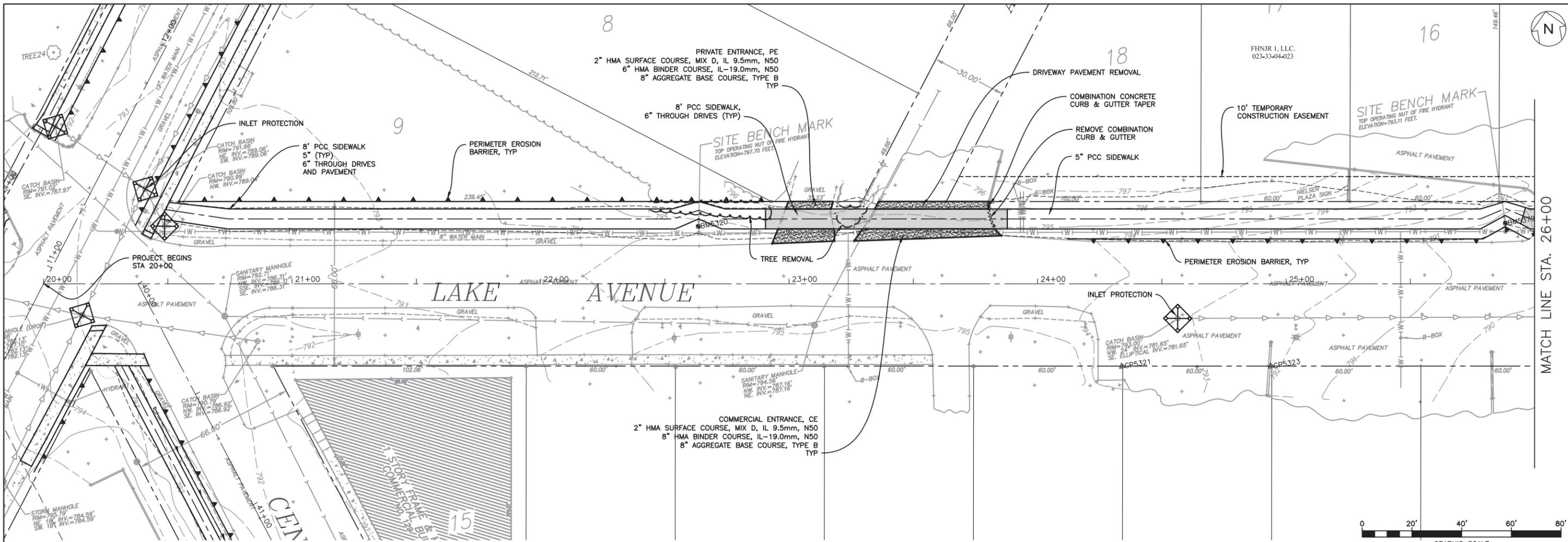
|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHFD |    |      |
|         | NO. _____                |    |      |



|                                    |                        |                 |   |   |                                  |                |         |        |              |           |
|------------------------------------|------------------------|-----------------|---|---|----------------------------------|----------------|---------|--------|--------------|-----------|
| FILE NAME = 9 PLAN AND PROFILE.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D. | REVISED X.X.X.                                  | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | CEDAR AVENUE<br>PLAN AND PROFILE | F.A.U. RTE.    | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE =                       | CHECKED P.E.K.         | REVISED X.X.X.  | VAR   |   |                                  | 14-00031-00 SW | LAKE    | 29     | 9            |           |
| PLOT DATE = 2/10/2020 2:33 PM      | DATE JUN-26-2019       | REVISED X.X.X.  | CONTRACT NO. 61F90                              |   |                                  |                |         |        |              |           |
|                                    |                        |                 | FED. AID DISTRICT NO. ILLINOIS FED. AID PROJECT |   |                                  |                |         |        |              |           |

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | PT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHRD |    |      |
|         | NO. _____                |    |      |

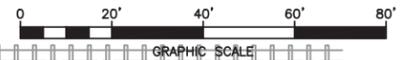
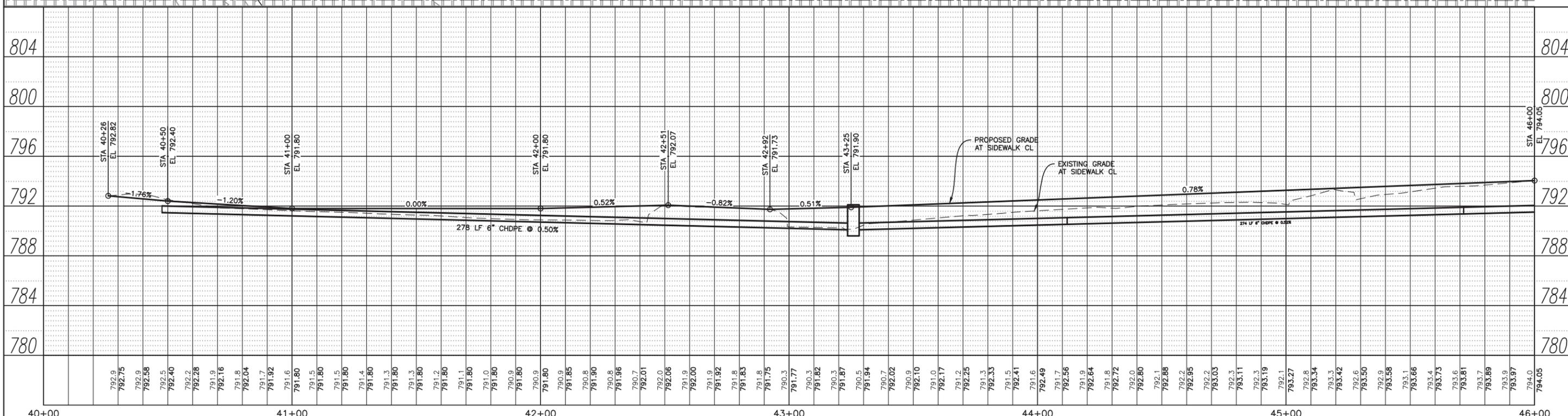
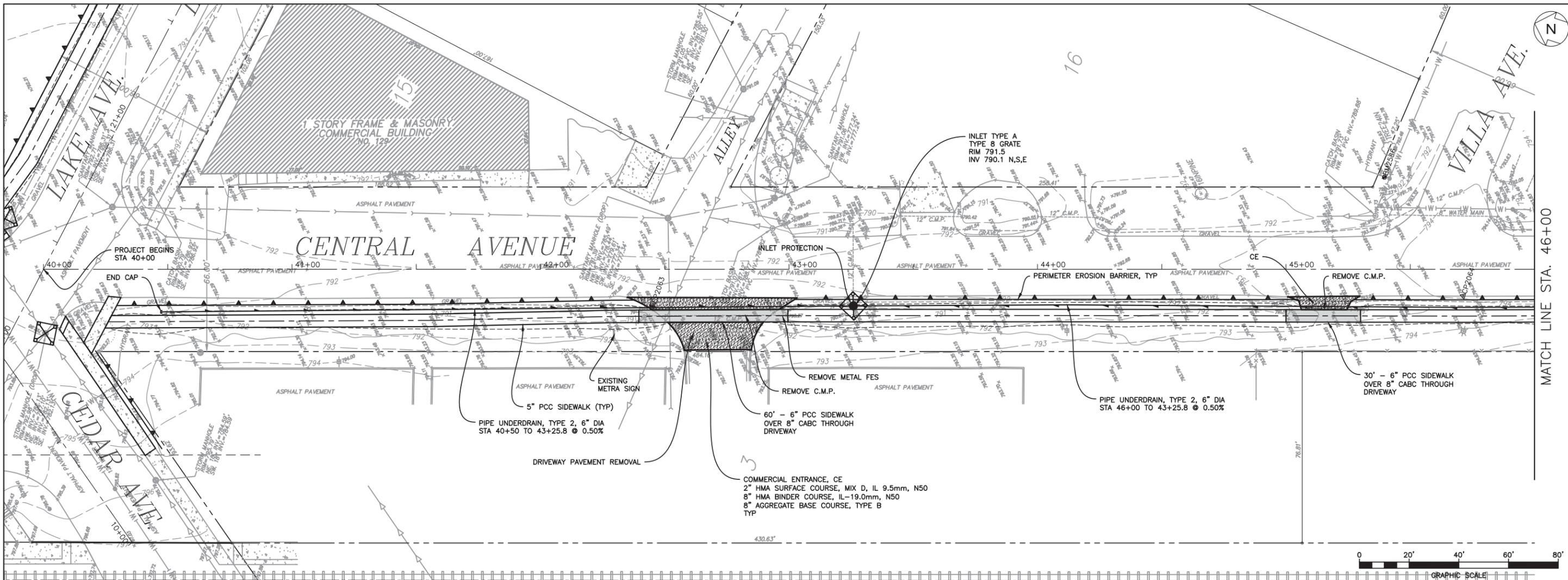


|                                     |                        |          |        |        |   |                                 |                           |                          |         |                |              |           |    |
|-------------------------------------|------------------------|----------|--------|--------|---|---------------------------------|---------------------------|--------------------------|---------|----------------|--------------|-----------|----|
| FILE NAME = 10 PLAN AND PROFILE.dwg | USER NAME = JOHN STAHL | DESIGNED | REVISD | X.X.X. | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LAKE AVENUE<br>PLAN AND PROFILE |                           | F.A.U. RTE.              | SECTION | COUNTY         | TOTAL SHEETS | SHEET NO. |    |
|                                     |                        | DRAWN    | REVISD | X.X.X. |   | SCALE: 1" = 20'                 | SHEET NO. 10 OF 29 SHEETS | STA. 20+00 TO STA. 26+00 | VAR     | 14-00031-00 SW | LAKE         | 29        | 10 |
|                                     |                        | CHECKED  | REVISD | X.X.X. |   |                                 |                           |                          |         |                |              |           |    |
|                                     |                        | DATE     | REVISD | X.X.X. |   |                                 |                           |                          |         |                |              |           |    |



|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | RT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

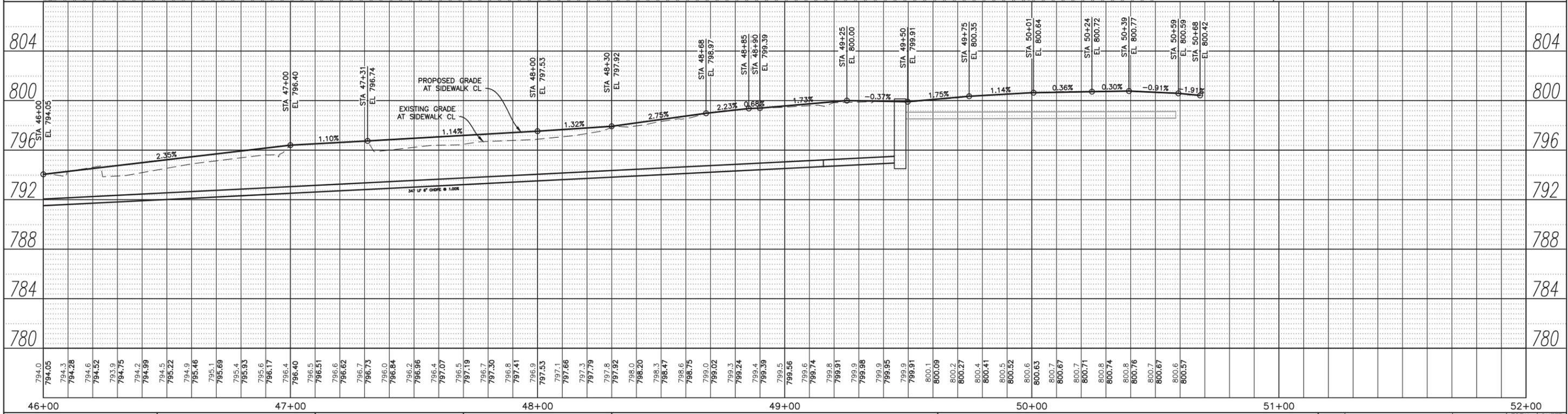
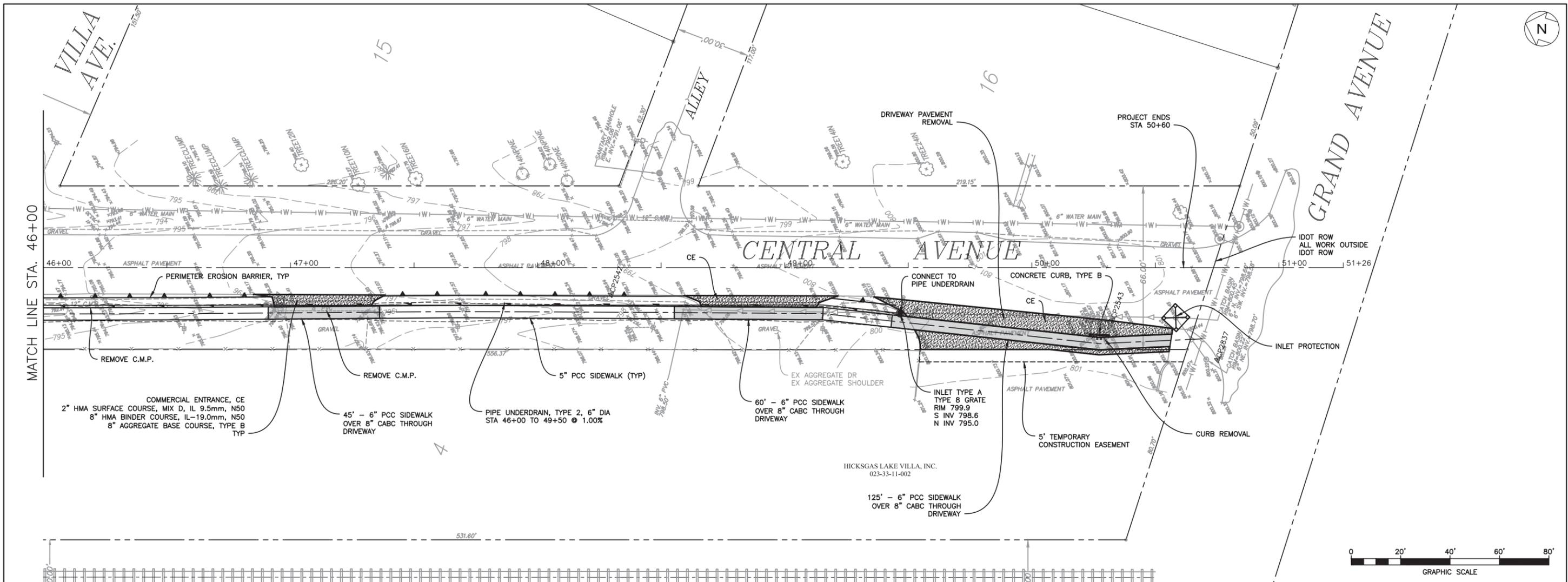
|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHRD |    |      |
|         | NO. _____                |    |      |



|                                     |                        |                       |                |   |                                    |   |                |        |              |           |  |
|-------------------------------------|------------------------|-----------------------|----------------|---|------------------------------------|---|----------------|--------|--------------|-----------|--|
| FILE NAME = 12 PLAN AND PROFILE.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D.       | REVISED X.X.X. | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | CENTRAL AVENUE<br>PLAN AND PROFILE | F.A.U. RTE.                                     | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| PLOT SCALE =                        | CHECKED P.E.K.         | REVISED J.C.S./P.C.G. | REVISED X.X.X. |   |                                    | VAR   | 14-00031-00 SW | LAKE   | 29           | 12        |  |
| PLOT DATE = 2/10/2020 2:34 PM       | DATE JUN-26-2019       | REVISED               | REVISED X.X.X. |   |                                    | CONTRACT NO. 61F90                              |                |        |              |           |  |
|                                     |                        |                       |                |   |                                    | FED. AID DISTRICT NO. ILLINOIS FED. AID PROJECT |                |        |              |           |  |

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | RT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHKD |    |      |
|         | NO. _____                |    |      |



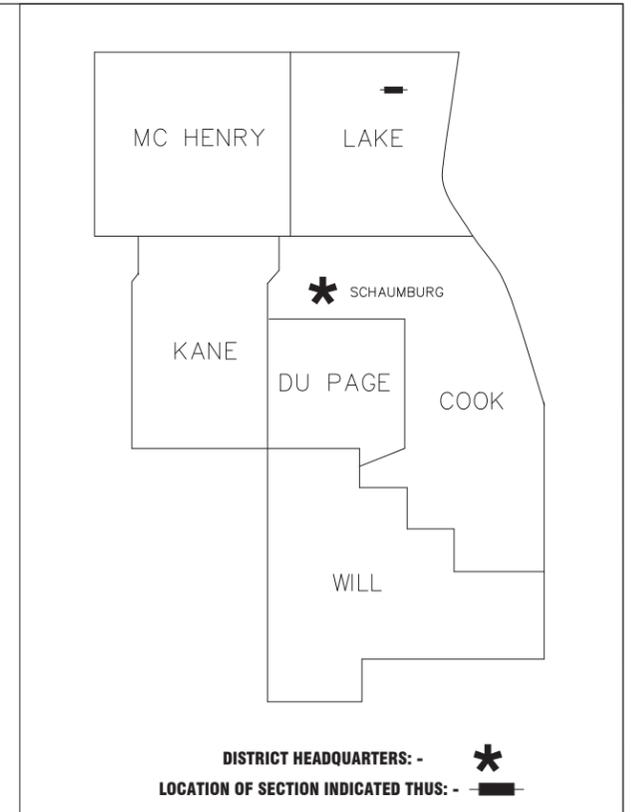
|                                     |                        |                     |                |   |                                    |                           |                          |         |                |              |           |    |
|-------------------------------------|------------------------|---------------------|----------------|---|------------------------------------|---------------------------|--------------------------|---------|----------------|--------------|-----------|----|
| FILE NAME = 13 PLAN AND PROFILE.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D.     | REVISED X.X.X. | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | CENTRAL AVENUE<br>PLAN AND PROFILE |                           | F.A.U. RTE.              | SECTION | COUNTY         | TOTAL SHEETS | SHEET NO. |    |
|                                     |                        | DRAWN J.C.S./P.C.G. | REVISED X.X.X. |   | SCALE: 1" = 20'                    | SHEET NO. 13 OF 29 SHEETS | STA. 46+00 TO STA. 51+00 | VAR     | 14-00031-00 SW | LAKE         | 29        | 13 |
|                                     |                        | CHECKED P.E.K.      | REVISED X.X.X. |   | CONTRACT NO. 61F90                 |                           |                          |         |                |              |           |    |
|                                     |                        | DATE JUN-26-2019    | REVISED X.X.X. |   | ILLINOIS FED. AID PROJECT          |                           |                          |         |                |              |           |    |

| PARCEL No. | OWNER  | SHEET NO. | PROPERTY ACQUIRED BY |
|------------|--|-----------|----------------------|
| 000001PE   | MIDWEST TRUST SERVICES, INC.                               | 2 & 5     |                      |
| 000002TE   | SADA LAKE VILLA LLC, AN ILLINOIS LIMITED LIABILITY COMPANY | 3 & 6     |                      |
| 000003TE   | HICKSGAS LAKE VILLA, INC                                   | 4 & 7     |                      |

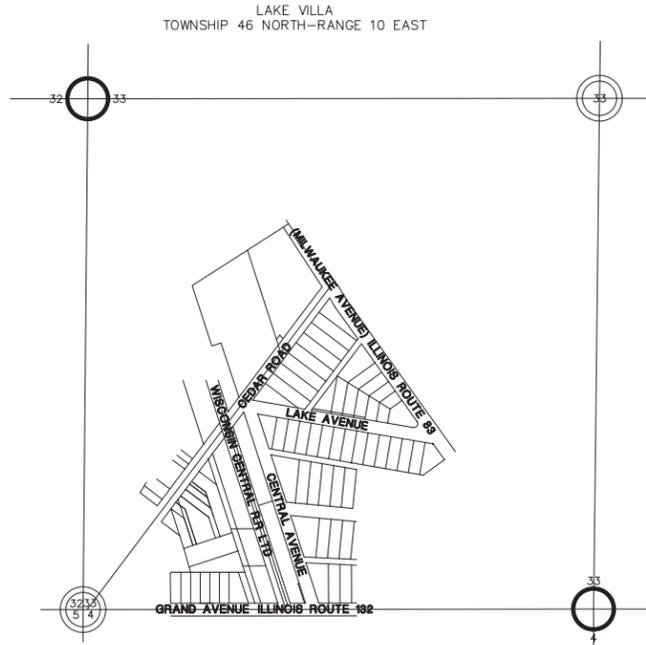
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

# PLAT OF HIGHWAYS

**ROUTE: VARIOUS ROUTES**  
**SECTION: 14-00031-00 SW**  
**COUNTY: LAKE**  
**JOB NO.: C-91-260-18**



**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



**LOCATION MAP**

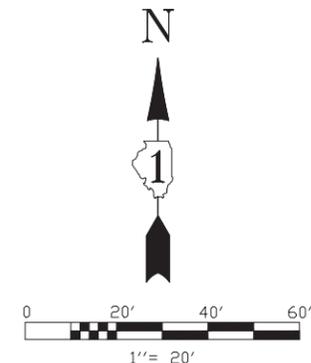
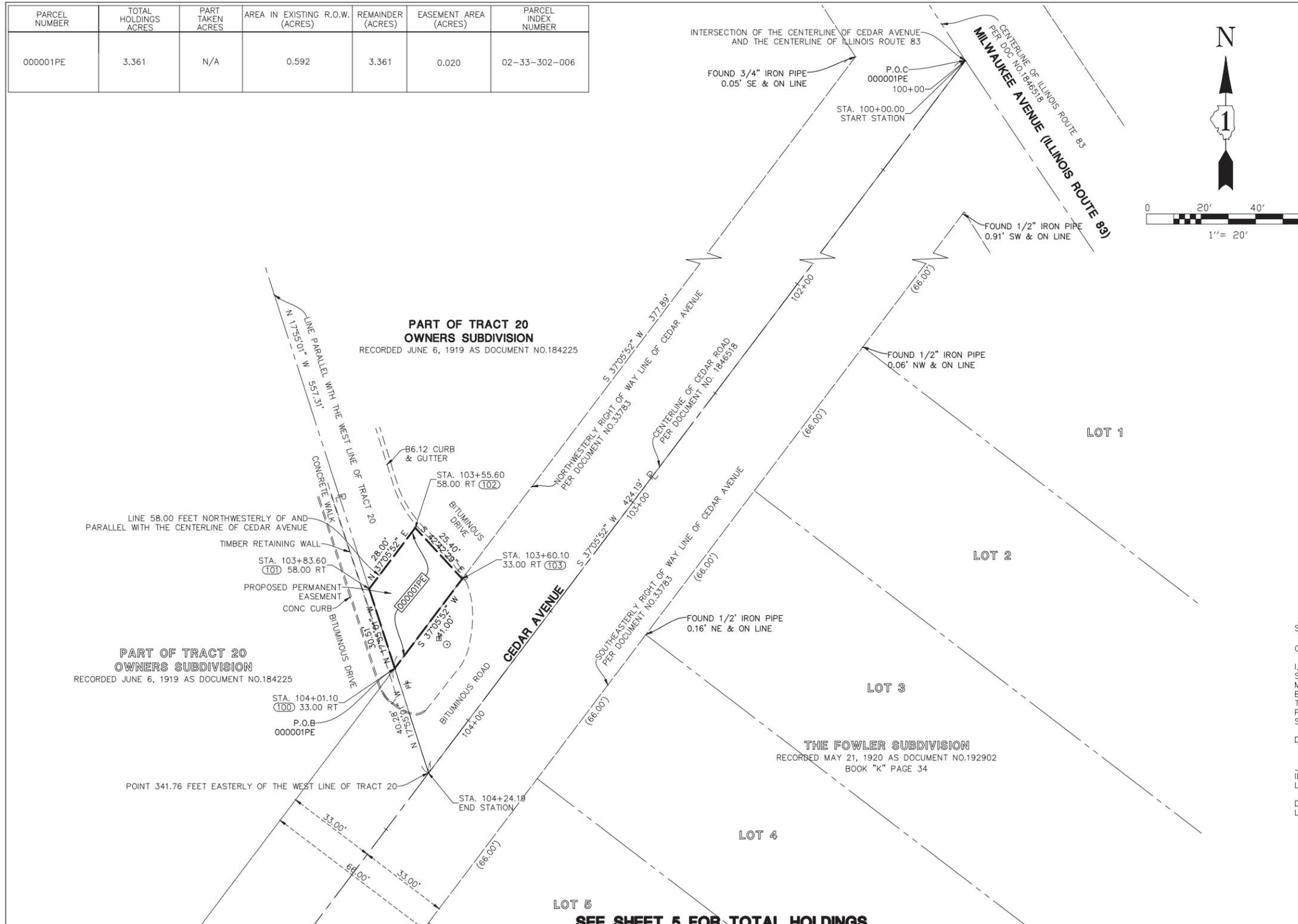
**GROSS LENGTH**  
**CEDAR AVENUE = 424 FT. = 0.08 MILE**  
**LAKE AVENUE = 282 FT. = 0.05 MILES**  
**CENTRAL AVENUE = 555 FT. = 0.10 MILES**  
**TOTAL = 1261 FT. = 0.23 MILES**



**IDOT USE ONLY**

PART OF SW 1/4 OF SECTION 33, TWP. 46 N., R. 10 E. OF THE THIRD P.M., IN LAKE COUNTY, ILLINOIS

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. (ACRES) | REMAINDER (ACRES) | EASEMENT AREA (ACRES) | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|---------------------------------|-------------------|-----------------------|---------------------|
| 000001PE      | 3.361                | N/A              | 0.592                           | 3.361             | 0.020                 | 02-33-302-006       |



**LEGEND**

- SECTION CORNER (9 10 16 15)
- QUARTER SECTION CORNER (16 15)
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION (129.32')
- COMPUTED DIMENSION (129.32'(COMP.))
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1
- T2
- T3
- BT1
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY
- STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS )  
 COUNTY OF LAKE )  
 I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 33, TOWNSHIP 46 NORTH RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE 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 LINCOLNSHIRE, ILLINOIS THIS 10TH DAY OF SEPTEMBER, A.D., 2019.

*J.D.B.*  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
 LICENSE EXPIRES NOVEMBER 30, 2020

DESIGN FIRM LICENSE NO. 184003350  
 LICENSE EXPIRES APRIL 30, 2021

**JAMES D. BAKER**  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
 LINCOLNSHIRE, ILLINOIS

**Manhard CONSULTING LTD**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 VARIOUS ROUTES

LIMITS: CEDAR AVENUE COUNTY: LAKE  
 SECTION: 14-00031-00 SW JOB NO.: C-91-260-18  
 STA. 100+00.00 TO STA. 104+93.00  
 SCALE: 1" = 20' SHEET 2 OF 7 SHEETS

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

**IDOT USE ONLY**

- NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999478757
  - AREAS SHOWN ON THIS PLAT ARE GROUND.
  - FIELD WORK COMPLETED AUGUST 6, 2019.

PROJECT COORDINATES  
 Illinois State Plane, East Zone, NAD 83 (2011)

| Point # | Station   | Offset   | Northing   | Easting    |
|---------|-----------|----------|------------|------------|
| 100     | 104+01.10 | 33.00 RT | 2095470.23 | 1053051.73 |
| 101     | 103+83.60 | 58.00 RT | 2095499.26 | 1053042.35 |
| 102     | 103+55.60 | 58.00 RT | 2095521.59 | 1053059.24 |
| 103     | 103+60.10 | 33.00 RT | 2095502.93 | 1053076.46 |

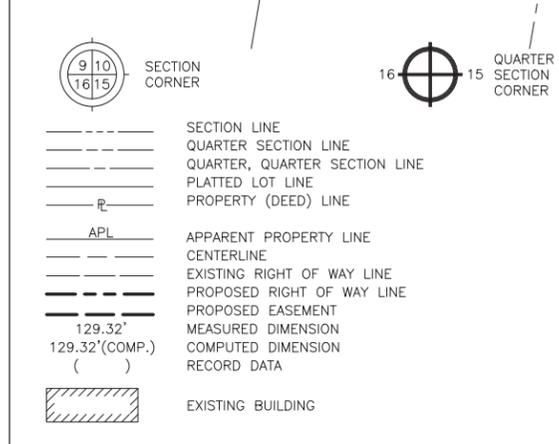
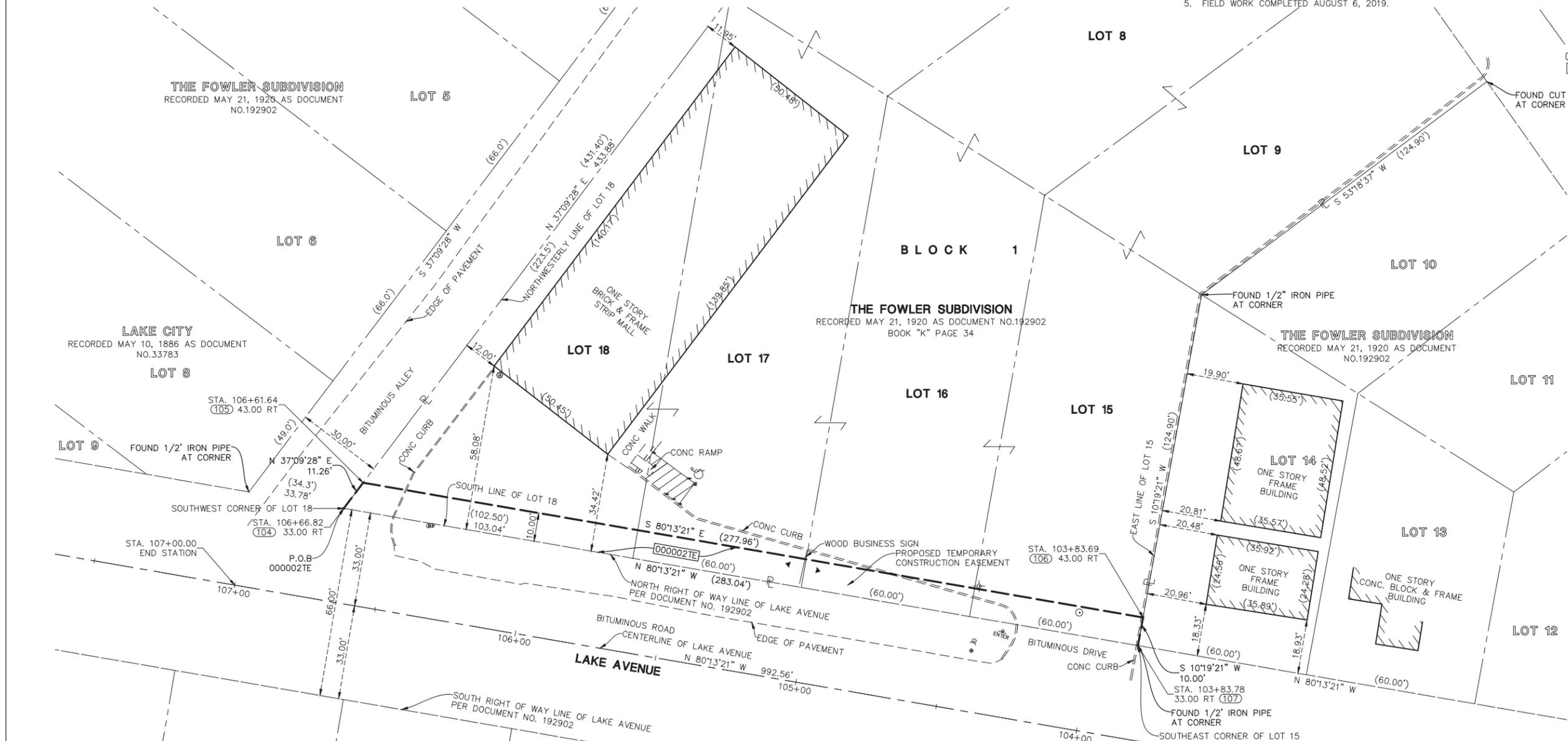
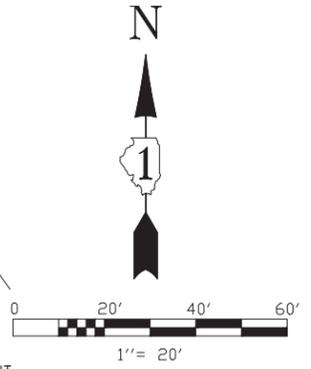
SEE SHEET 5 FOR TOTAL HOLDINGS

PART OF SW 1/4 OF SECTION 33, TWP. 46 N., R. 10 E. OF THE THIRD P.M., IN LAKE COUNTY, ILLINOIS

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. (ACRES) | REMAINDER (ACRES) | EASEMENT AREA (ACRES) | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|---------------------------------|-------------------|-----------------------|---------------------|
| 000002TE      | 1.722                | N/A              | N/A                             | 1.722             | 0.064                 | 02-33-304-023       |

| PROJECT COORDINATES                            |           |          |            |            |
|--|-----------|----------|------------|------------|
| Illinois State Plane, East Zone, NAD 83 (2011) |           |          |            |            |
| Point #  | Station   | Offset   | Northing   | Easting    |
| 104  | 106+66.82 | 33.00 RT | 2095132.38 | 1053222.14 |
| 105  | 106+61.64 | 43.00 RT | 2095141.35 | 1053228.94 |
| 106  | 103+83.69 | 43.00 RT | 2095094.15 | 1053502.85 |
| 107  | 103+83.78 | 33.00 RT | 2095084.31 | 1053501.06 |

- NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999478757
  - AREAS SHOWN ON THIS PLAT ARE GROUND.
  - FIELD WORK COMPLETED AUGUST 6, 2019.



- LEGEND**
- IRON ROD SET
  - IRON PIPE OR ROD FOUND
  - + CUT CROSS FOUND OR SET
  - T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR 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.
  - ◇ LIGHT STANDARD
  - P.O.B. = POINT OF BEGINNING
  - P.O.C. = POINT OF COMMENCEMENT

**SEE SHEET 6 FOR TOTAL HOLDINGS**

STATE OF ILLINOIS)  
 COUNTY OF LAKE)  
 I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 46 NORTH RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE 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 LINCOLNSHIRE, ILLINOIS THIS 10TH DAY OF SEPTEMBER, A.D., 2019.  
 J.D.B.  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
 LICENSE EXPIRES NOVEMBER 30, 2020  
 DESIGN FIRM LICENSE NO. 184003350  
 LICENSE EXPIRES APRIL 30, 2021



**IDOT USE ONLY**

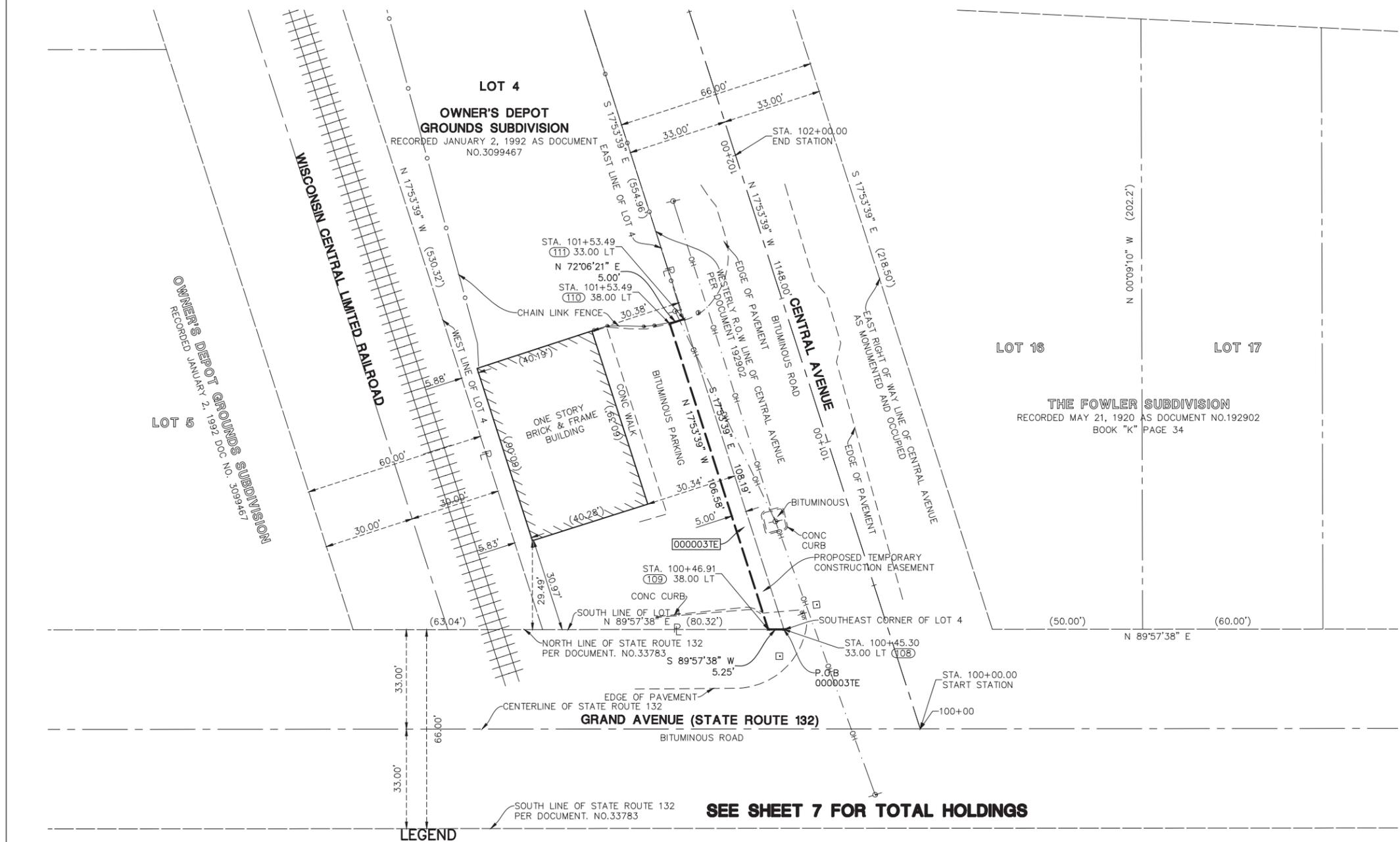
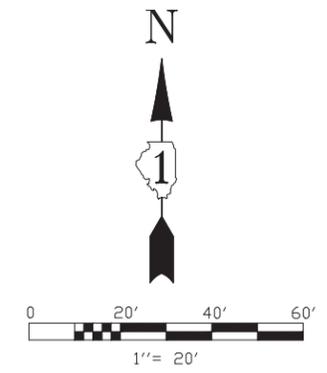
**Manhard CONSULTING LTD**  
 PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 VARIOUS ROUTES

LIMITS: LAKE AVENUE COUNTY: LAKE  
 SECTION: 14-00031-00 SW JOB NO.: C 91-260-18  
 STA. 103+17.00 TO STA. 107+62.00  
 SCALE: 1" = 20' SHEET 3 OF 7 SHEETS

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

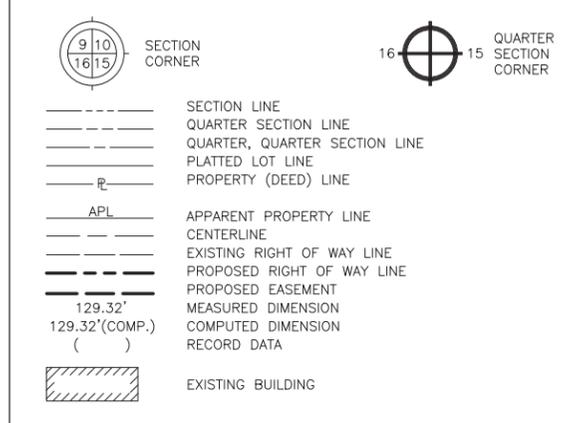
PART OF SW 1/4 OF SECTION 33, TWP. 46 N., R. 10 E. OF THE THIRD P.M., IN LAKE COUNTY, ILLINOIS

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. (ACRES) | REMAINDER (ACRES) | EASEMENT AREA (ACRES) | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|---------------------------------|-------------------|-----------------------|---------------------|
| 000003TE      | 0.952                | N/A              | N/A                             | 0.952             | 0.012                 | 02-33-311-002       |



| PROJECT COORDINATES                            |           |          |            |            |
|--|-----------|----------|------------|------------|
| Illinois State Plane, East Zone, NAD 83 (2011) |           |          |            |            |
| Point #  | Station   | Offset   | Northing   | Easting    |
| 108  | 100+45.30 | 33.00 LT | 2094133.36 | 1053190.76 |
| 109  | 100+46.91 | 38.00 LT | 2094133.35 | 1053185.51 |
| 110  | 101+53.49 | 38.00 LT | 2094234.78 | 1053152.76 |
| 111  | 101+53.49 | 33.00 LT | 2094236.31 | 1053157.52 |

- NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
  3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999478757
  4. AREAS SHOWN ON THIS PLAT ARE GROUND.
  5. FIELD WORK COMPLETED AUGUST 6, 2019.



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR 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.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- ⚡ PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)  
 COUNTY OF LAKE)  
 )SS  
 I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 46 NORTH RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE 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 LINCOLNSHIRE, ILLINOIS THIS 10TH DAY OF SEPTEMBER, A.D., 2019.  
 J.D.B.  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
 LICENSE EXPIRES NOVEMBER 30, 2020  
 DESIGN FIRM LICENSE NO. 184003350  
 LICENSE EXPIRES APRIL 30, 2021



IDOT USE ONLY

**Manhard CONSULTING LTD**  
Professional Engineers - Surveyors - Water Resources Engineers - Water & Wastewater Engineers - Highway Construction Managers - Environmental Scientists - Landscape Architects - Planners

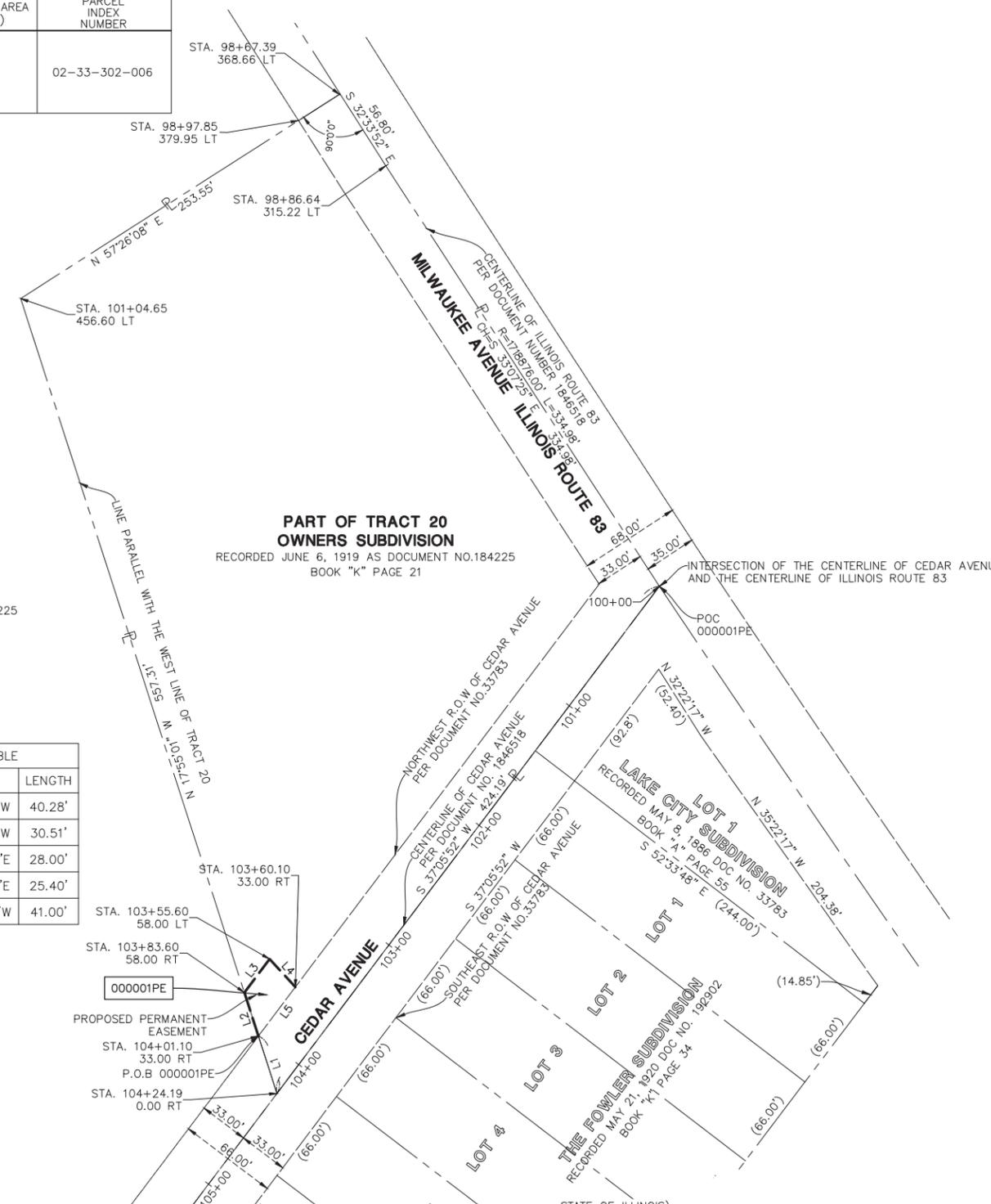
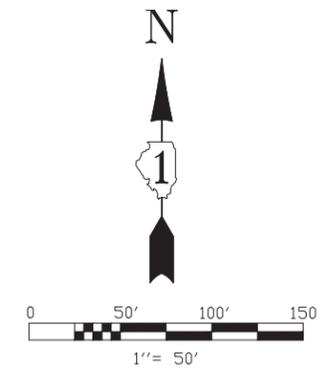
**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**VARIOUS ROUTES**

LIMITS: CENTRAL AVENUE COUNTY: LAKE  
 SECTION: 14-00031-00 SW JOB NO.: C 91-260-18  
 STA. 100+00.00 TO STA. 102+44.00  
 SCALE: 1" = 20' SHEET 4 OF 7 SHEETS

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

PART OF SW 1/4 OF SECTION 33, TWP. 46 N., R. 10 E. OF THE THIRD P.M., IN LAKE COUNTY, ILLINOIS

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. (ACRES) | REMAINDER (ACRES) | EASEMENT AREA (ACRES) | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|---------------------------------|-------------------|-----------------------|---------------------|
| 000001PE      | 3.361                | N/A              | 0.592                           | 3.361             | 0.020                 | 02-33-302-006       |



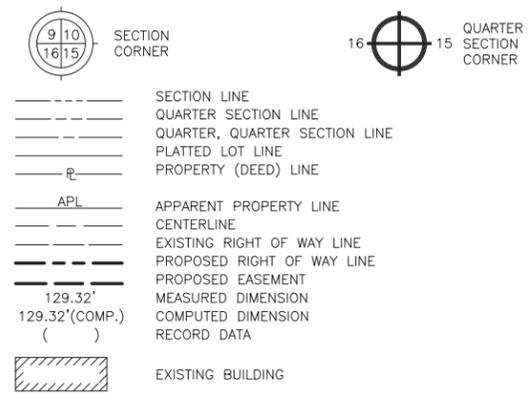
- NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
  3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999478757
  4. AREAS SHOWN ON THIS PLAT ARE GROUND.
  5. FIELD WORK COMPLETED AUGUST 6, 2019.

**PART OF TRACT 20 OWNERS SUBDIVISION**  
 RECORDED JUNE 6, 1919 DOC NO. 184225  
 BOOK "K" PAGE 21

| LINE | BEARING     | LENGTH |
|------|-------------|--------|
| L1   | N17°55'01"W | 40.28' |
| L2   | N17°55'01"W | 30.51' |
| L3   | N37°05'52"E | 28.00' |
| L4   | S42°42'29"E | 25.40' |
| L5   | S37°05'52"W | 41.00' |

**LEGEND**

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS 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 COLOR 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.
- ⊙ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT



STATE OF ILLINOIS) )SS  
 COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 46 NORTH RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE 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 LINCOLNSHIRE, ILLINOIS THIS 10TH DAY OF SEPTEMBER, A.D., 2019.

*J.D.B.*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
 LICENSE EXPIRES NOVEMBER 30, 2020

DESIGN FIRM LICENSE NO. 184003350  
 LICENSE EXPIRES APRIL 30, 2021



**IDOT USE ONLY**

**Manhard CONSULTING LTD**

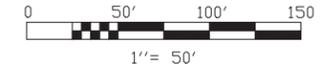
PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 VARIOUS ROUTES

LIMITS: CEDAR AVENUE COUNTY: LAKE  
 SECTION: 14-00031-00 SW JOB NO.: C 91-260-18  
 STA. 100+00.00 TO STA. 104+24.19  
 SCALE: 1" = 50' SHEET 5 OF 7 SHEETS

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

PART OF SW 1/4 OF SECTION 33, TWP. 46 N., R. 10 E. OF THE THIRD P.M., IN LAKE COUNTY, ILLINOIS

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. (ACRES) | REMAINDER (ACRES) | EASEMENT AREA (ACRES) | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|---------------------------------|-------------------|-----------------------|---------------------|
| 000002TE      | 1.722                | N/A              | N/A                             | 1.722             | 0.064                 | 02-33-304-023       |



| LINE TABLE |             |         |
|------------|-------------|---------|
| LINE       | BEARING     | LENGTH  |
| L6         | N37°09'28"E | 11.26'  |
| L7         | S80°13'21"E | 277.96' |
| L8         | S10°19'21"W | 10.00'  |

- NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
  3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999478757
  4. AREAS SHOWN ON THIS PLAT ARE GROUND.
  5. FIELD WORK COMPLETED AUGUST 6, 2019.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- IRON ROD FLUSHED 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.
- 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.
- 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.
- 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 COLOR 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.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)  
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 46 NORTH RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE 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 LINCOLNSHIRE, ILLINOIS THIS 10TH DAY OF SEPTEMBER, A.D., 2019.

*J.D.B.*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
LICENSE EXPIRES NOVEMBER 30, 2020

DESIGN FIRM LICENSE NO. 184003350  
LICENSE EXPIRES APRIL 30, 2021



STATE OF ILLINOIS  
COUNTY OF LAKE)

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
LICENSE EXPIRES NOVEMBER 30, 2020

**Manhard CONSULTING LTD**

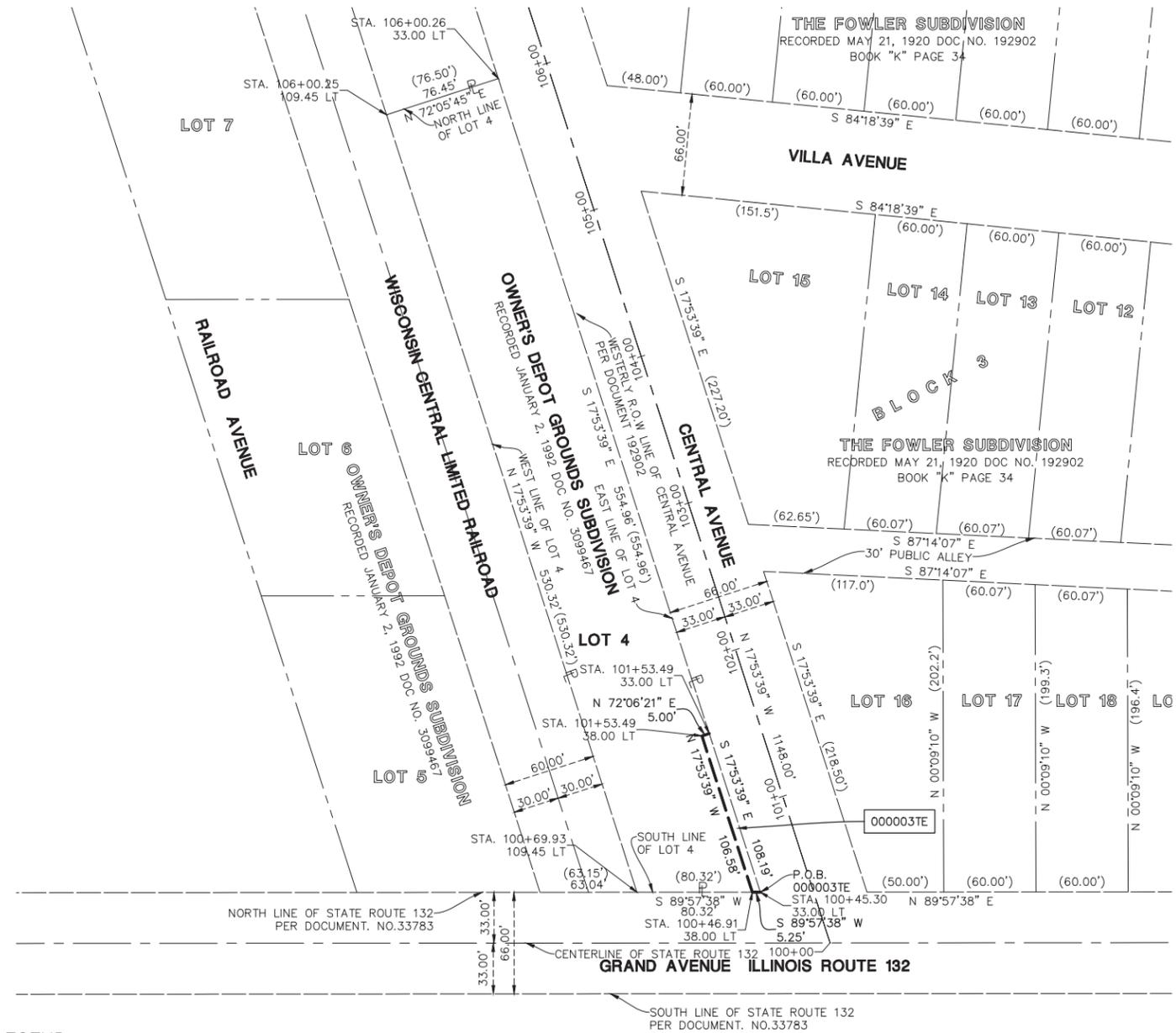
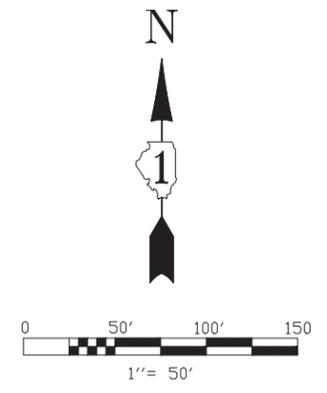
PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
VARIOUS ROUTES

LIMITS: LAKE AVENUE COUNTY: LAKE  
SECTION: 14-00031-00 SW JOB NO.: C 91-260-18  
STA. 100+00.00 TO STA. 109+93.00  
SCALE: 1" = 00' SHEET 6 OF 7 SHEETS

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

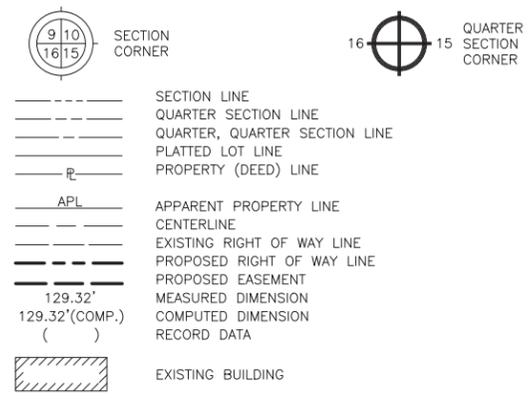
PART OF SW 1/4 OF SECTION 33, TWP. 46 N., R. 10 E. OF THE THIRD P.M., IN LAKE COUNTY, ILLINOIS

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. (ACRES) | REMAINDER (ACRES) | EASEMENT AREA (ACRES) | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|---------------------------------|-------------------|-----------------------|---------------------|
| 000003TE      | 0.952                | N/A              | N/A                             | 0.952             | 0.012                 | 02-33-311-002       |



- NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
  3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999478757
  4. AREAS SHOWN ON THIS PLAT ARE GROUND.
  5. FIELD WORK COMPLETED AUGUST 6, 2019.

LEGEND



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE 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 COLOR 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.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- ⚡ PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)  
 COUNTY OF LAKE)  
 I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 46 NORTH RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE 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 LINCOLNSHIRE, ILLINOIS THIS 10TH DAY OF SEPTEMBER, A.D., 2019.  
 J.D.B.  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648  
 LICENSE EXPIRES NOVEMBER 30, 2020  
 DESIGN FIRM LICENSE NO. 184003350  
 LICENSE EXPIRES APRIL 30, 2021



IDOT USE ONLY



**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**VARIOUS ROUTES**

LIMITS: CENTRAL AVENUE COUNTY: LAKE  
 SECTION: 14-00031-00 SW JOB NO.: C 91-260-18  
 STA. 100+00.00 TO STA. 106+00.00  
 SCALE: 1" = 50' SHEET 7 OF 7 SHEETS

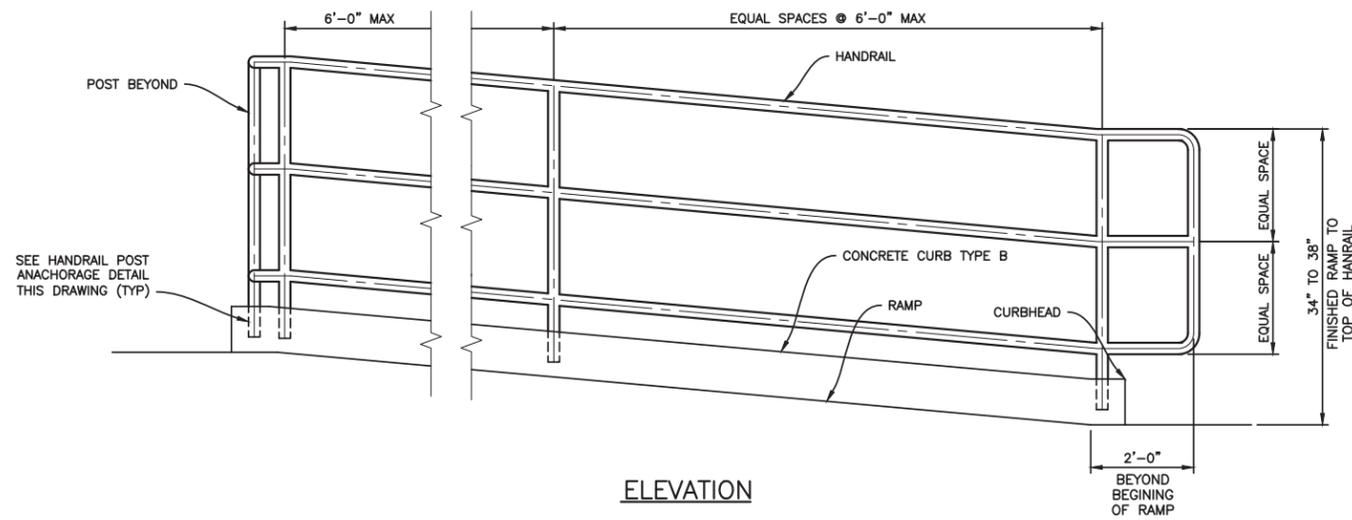
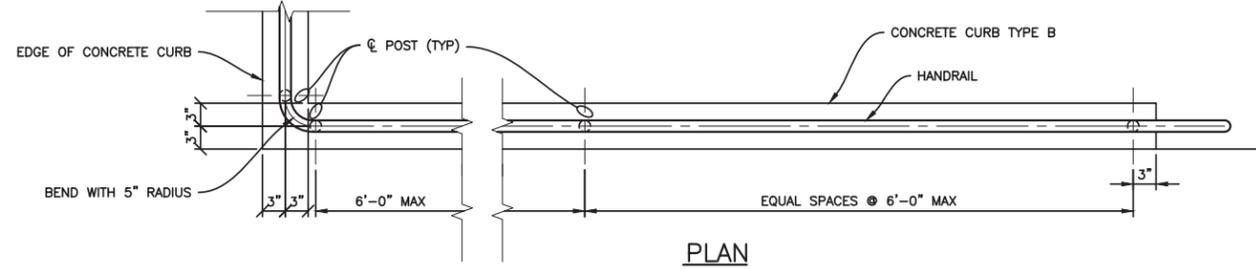
**BUREAU OF LAND ACQUISITION**  
**201 WEST CENTER COURT**  
**SCHAUMBURG, ILLINOIS 60196**

|      |                |    |      |
|------|----------------|----|------|
| PLAN | SURVEYED       | BY | DATE |
|      | PLOTTED        |    |      |
|      | CHECKED        |    |      |
|      | REVISIONS      |    |      |
|      | DATE           |    |      |
|      | BY             |    |      |
|      | NO.            |    |      |
|      | PAID FILE NAME |    |      |

|         |                         |    |      |
|---------|-------------------------|----|------|
| PROFILE | SURVEYED                | BY | DATE |
|         | PLOTTED                 |    |      |
|         | CHECKED                 |    |      |
|         | REVISIONS               |    |      |
|         | DATE                    |    |      |
|         | BY                      |    |      |
|         | NO.                     |    |      |
|         | STRUCTURE NOTATION CHRD |    |      |

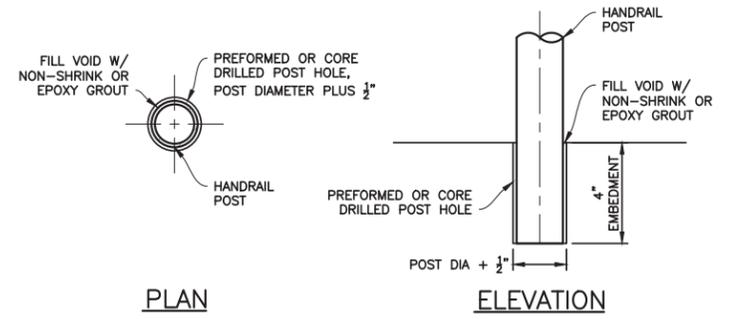
**NOTES:**

1. PEDESTRIAN RAILING PROVIDED ON BOTH SIDES OF RAMP.
2. PEDESTRIAN RAILING IS CONTINUOUS - INCLUDING ON SWITCHBACK.
3. PEDESTRIAN RAILING GRIPPING SURFACES SHALL HAVE ROUNDED EDGES.
4. PEDESTRIAN RAILING IF CIRCULAR SHALL HAVE AN OUTER DIAMETER BETWEEN 1.25 AND 2 INCHES.
5. PEDESTRIAN RAILING IF NON-CIRCULAR SHALL HAVE A CROSS SECTION OF 2.25 INCHES OR LESS.
6. PEDESTRIAN RAILING GRIPPING SURFACES SHALL EXTEND MINIMUM 12-INCHES BEYOND AND IN THE SAME DIRECTION AS THE RAMP.



**PEDESTRIAN RAILING DETAIL**

NTS



**HANDRAIL POST ANCHORAGE DETAIL**

NTS

FILE NAME = 21 DETAILS.dwg

USER NAME = JOHN STAHL

DESIGNED .

DRAWN .

CHECKED P.E.K.

DATE JUN-26-2019

REVISED .

REVISED .

REVISED .

REVISED .

X.X.X.

X.X.X.

X.X.X.

X.X.X.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCAL AGENCY  
DETAILS

SCALE: 1" = 20'

SHEET NO. 21 OF 29 SHEETS

STA. .

TO STA. .

F.A.U. RTE.

VAR

ILLINOIS FED. AID PROJECT .

SECTION

14-00031-00 SW

LAKE

CONTRACT NO. 61F90

COUNTY

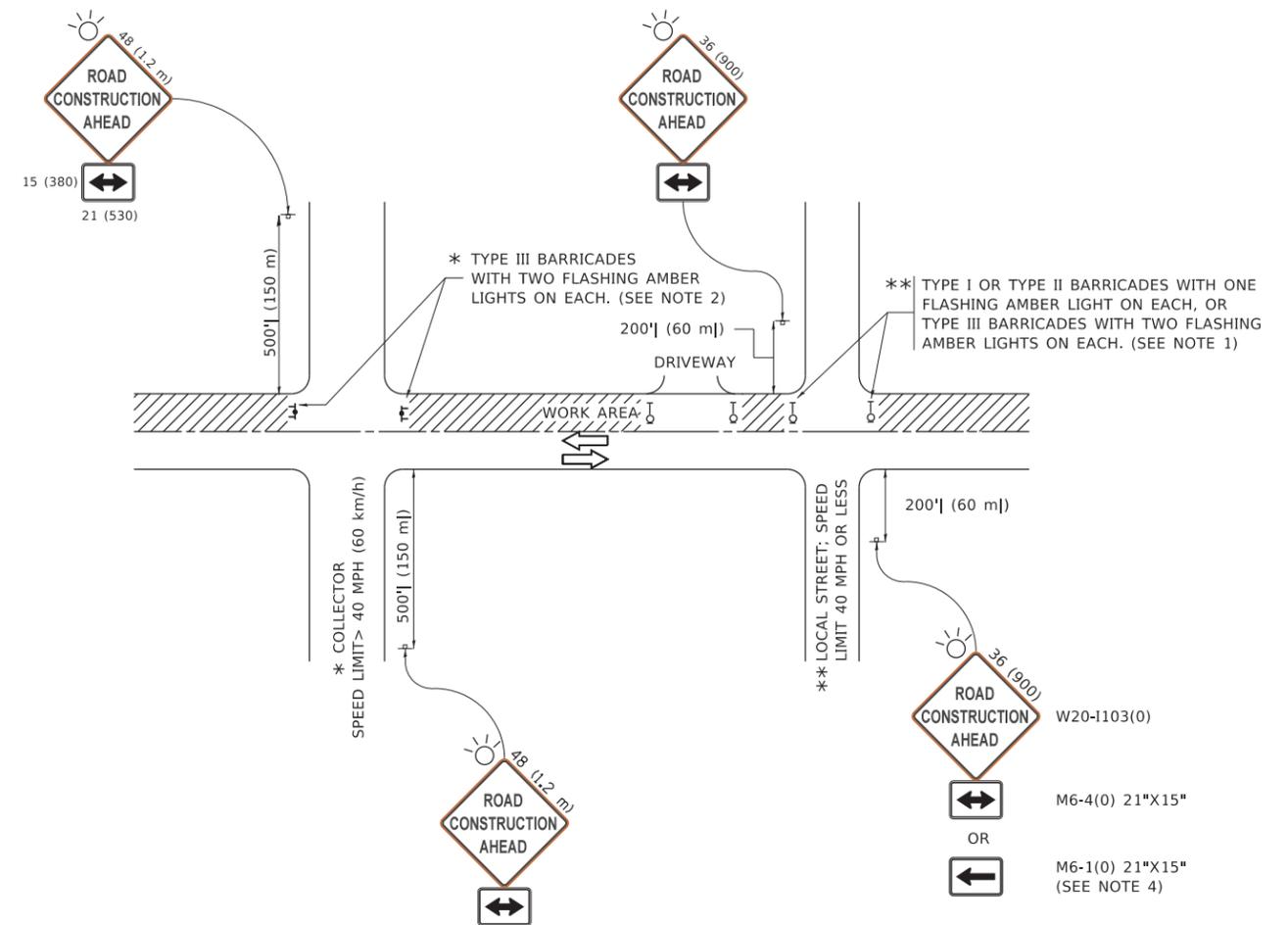
LAKE

TOTAL SHEETS

29

SHEET NO.

21



**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: D:\draft FILE: NAME: p:\u1108\EBID\NTEG\Illinois.gov\PIWDOT\Documents\DOT\_Offices\District\_1\Projects\DIHS\22-23\CADData\CAD\Sheet\TC10.dgn

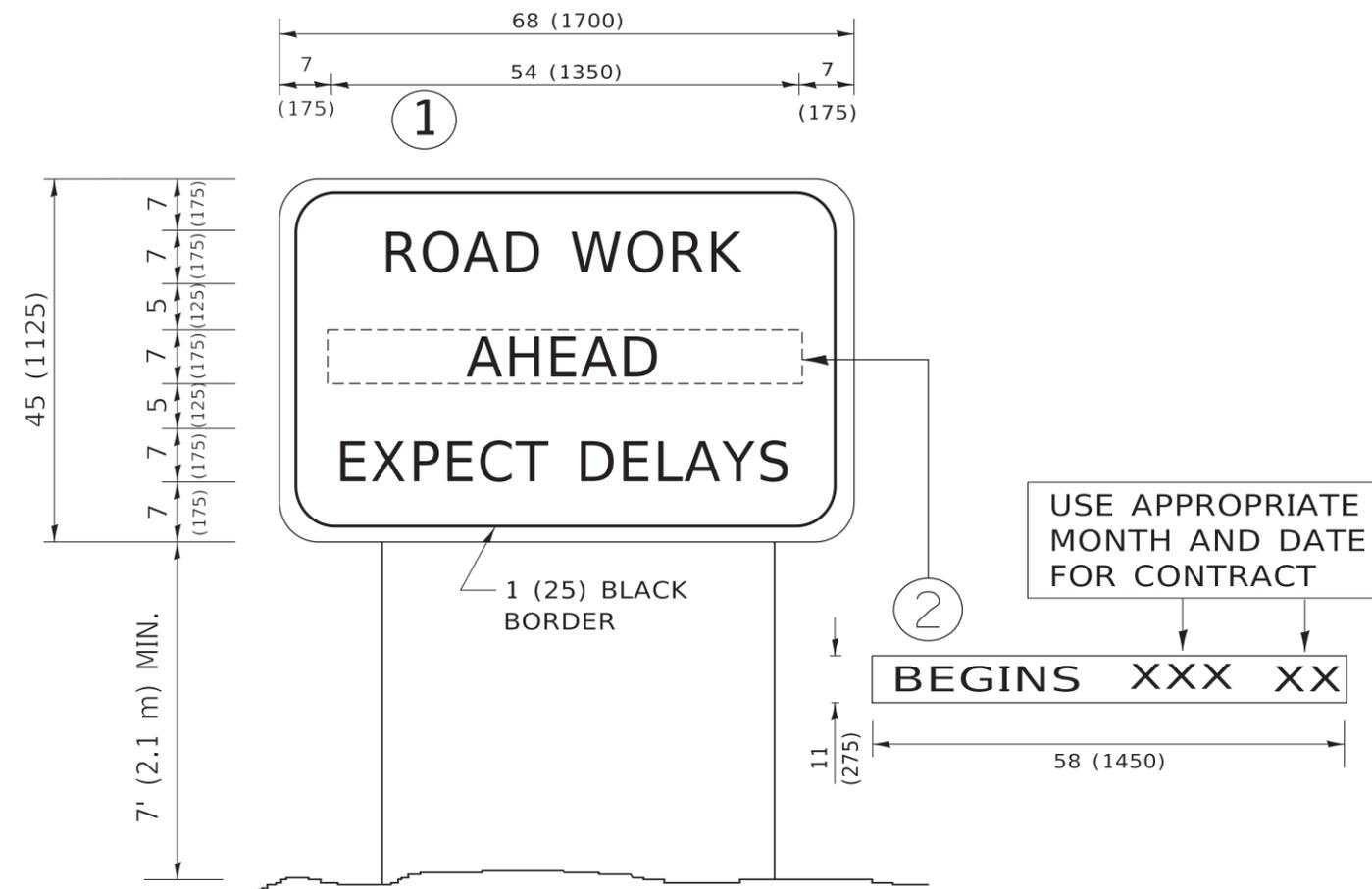
|                              |                   |                                 |
|------------------------------|-------------------|---------------------------------|
| USER NAME = footemj          | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96    |
| PLOT SCALE = 50.0000 ' / in. | CHECKED -         | REVISED - T. RAMMACHER 01-06-00 |
| PLOT DATE = 3/4/2019         | DATE - 06-89      | REVISED - A. SCHUETZE 07-01-13  |
|                              |                   | REVISED - A. SCHUETZE 09-15-16  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 22 OF 29 SHEETS STA. TO STA.

|                       |                |                  |                    |           |
|-----------------------|----------------|------------------|--------------------|-----------|
| F.A.U. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS       | SHEET NO. |
| VAR                   | 14-00031-00 SW | LAKE             | 29                 | 22        |
| <b>TC-10</b>          |                |                  | CONTRACT NO. 61F90 |           |
| FED. AID DISTRICT NO. | ILLINOIS       | FED. AID PROJECT |                    |           |



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: D:\default  
 FILE NAME: p:\u108a\EBID\NTEG\Illinois.gov\RWIDOT\Documents\DOT\_Offices\District\_1\Projects\DIH5422\34\CADDData\CAD\Sheet\TC22.dgn

|                              |            |                                 |
|------------------------------|------------|---------------------------------|
| USER NAME = footemj          | DESIGNED - | REVISED - R. MIRS 09-15-97      |
|                              | DRAWN -    | REVISED - R. MIRS 12-11-97      |
| PLOT SCALE = 50.0000 ' / in. | CHECKED -  | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/4/2019         | DATE -     | REVISED - C. JUCIUS 01-31-07    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

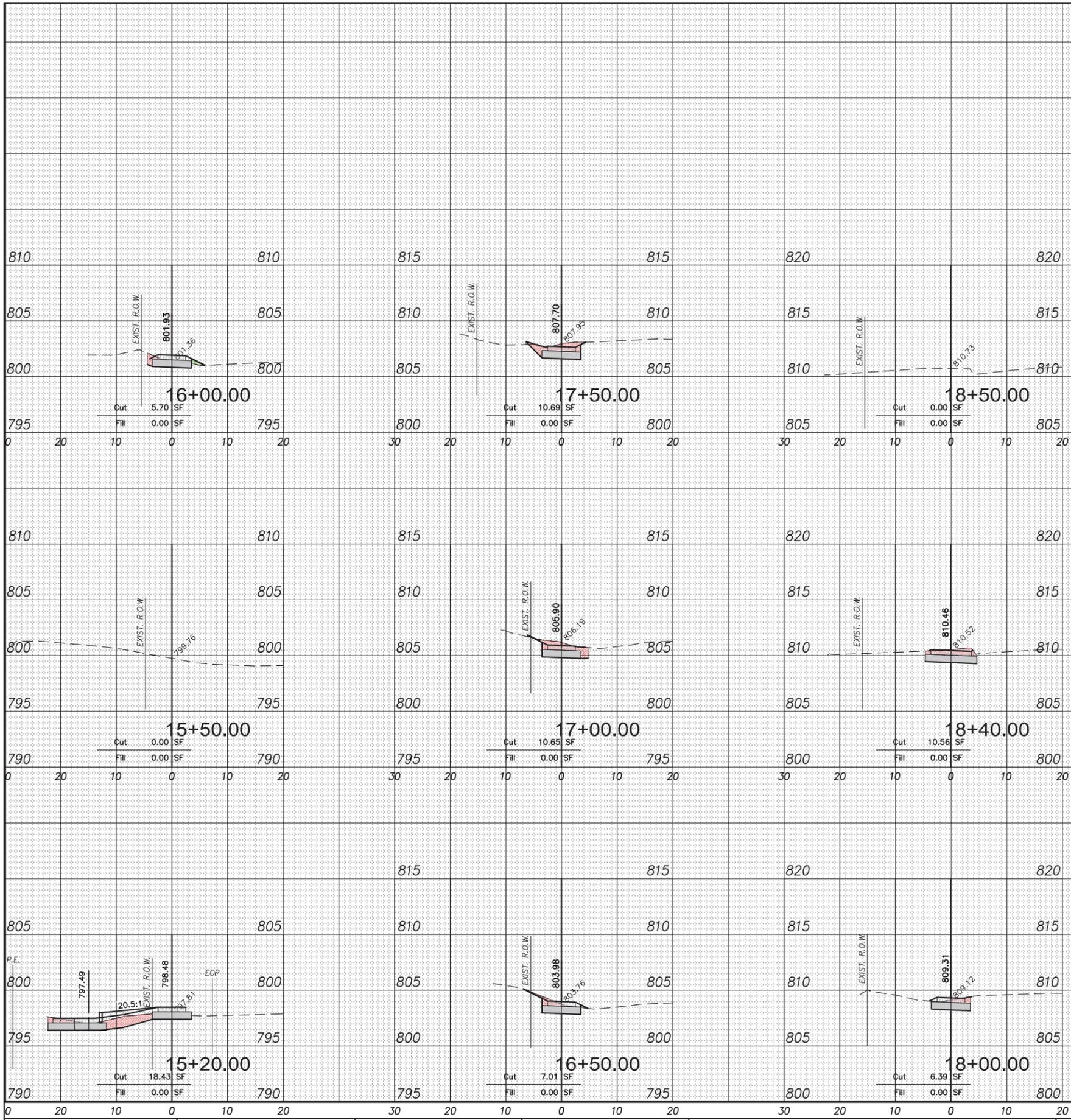
SCALE: NONE    SHEET 23 OF 29 SHEETS    STA.    TO STA.

|                       |                |                  |                    |           |
|-----------------------|----------------|------------------|--------------------|-----------|
| F.A.U. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS       | SHEET NO. |
| VAR                   | 14-00031-00 SW | LAKE             | 29                 | 23        |
| <b>TC-22</b>          |                |                  | CONTRACT NO. 61F90 |           |
| FED. AID DISTRICT NO. | ILLINOIS       | FED. AID PROJECT |                    |           |



|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | PT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHFD |    |      |
|         | NO. _____                |    |      |



FILE NAME = 25 CROSS SECTIONS.dwg

USER NAME = JOHN STAHL

DESIGNED .

REVISED X.X.X.

PLOT SCALE =

CHECKED P.E.K.

REVISED X.X.X.

PLOT DATE = 2/10/2020 2:36 PM

DATE JUN-26-2019

REVISED X.X.X.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CEDAR AVENUE  
CROSS SECTIONS

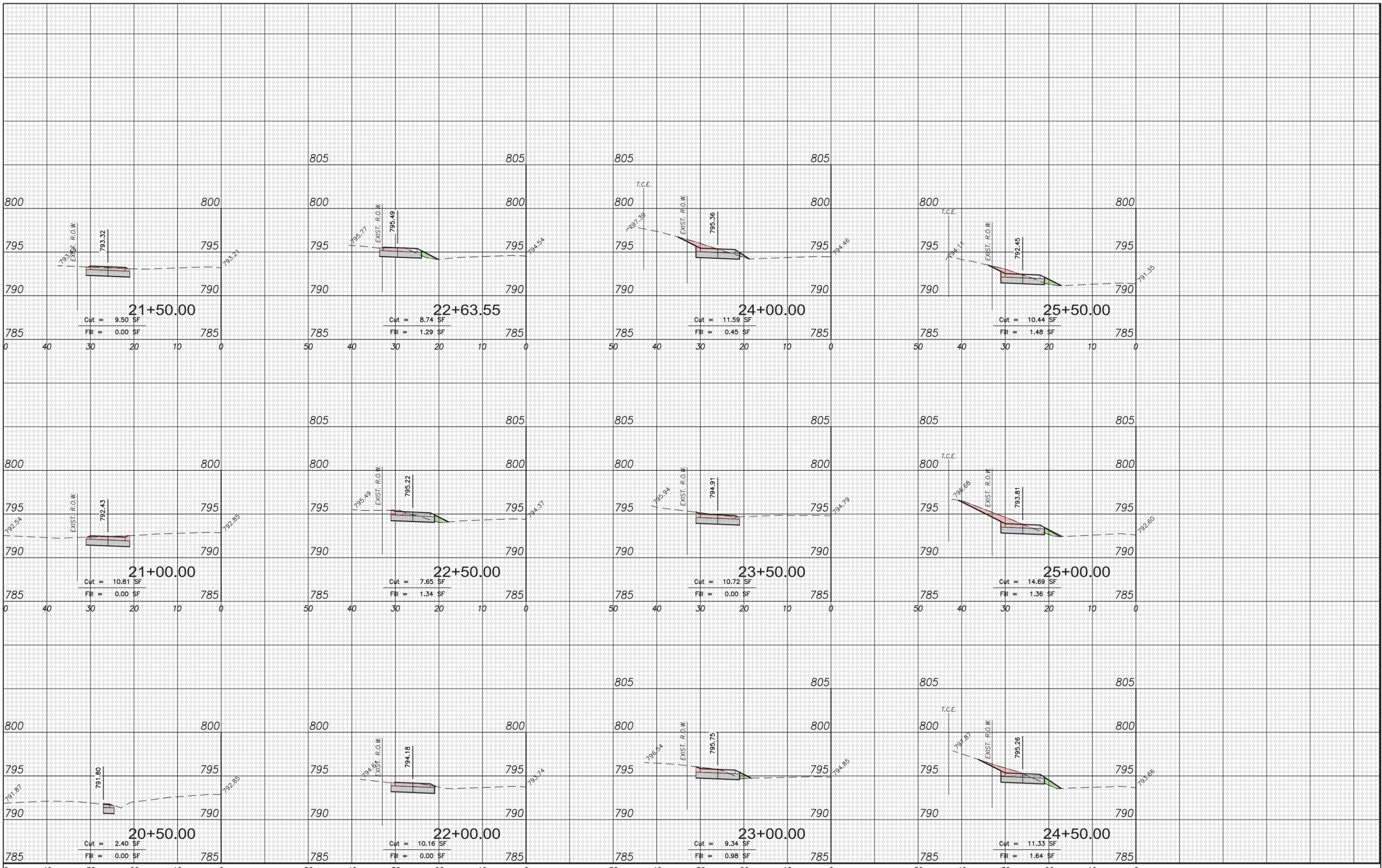
SCALE: 1" = 10' SHEET NO. 25 OF 29 SHEETS STA. 16+50 TO STA. 18+50

| F.A.U. RTE.        | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| VAR                | 14-00031-00 SW | LAKE   | 29           | 25        |
| CONTRACT NO. 61F90 |                |        |              |           |

FED. AID DISTRICT NO. . ILLINOIS FED. AID PROJECT .

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | PT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHFD |    |      |
|         | NO. _____                |    |      |

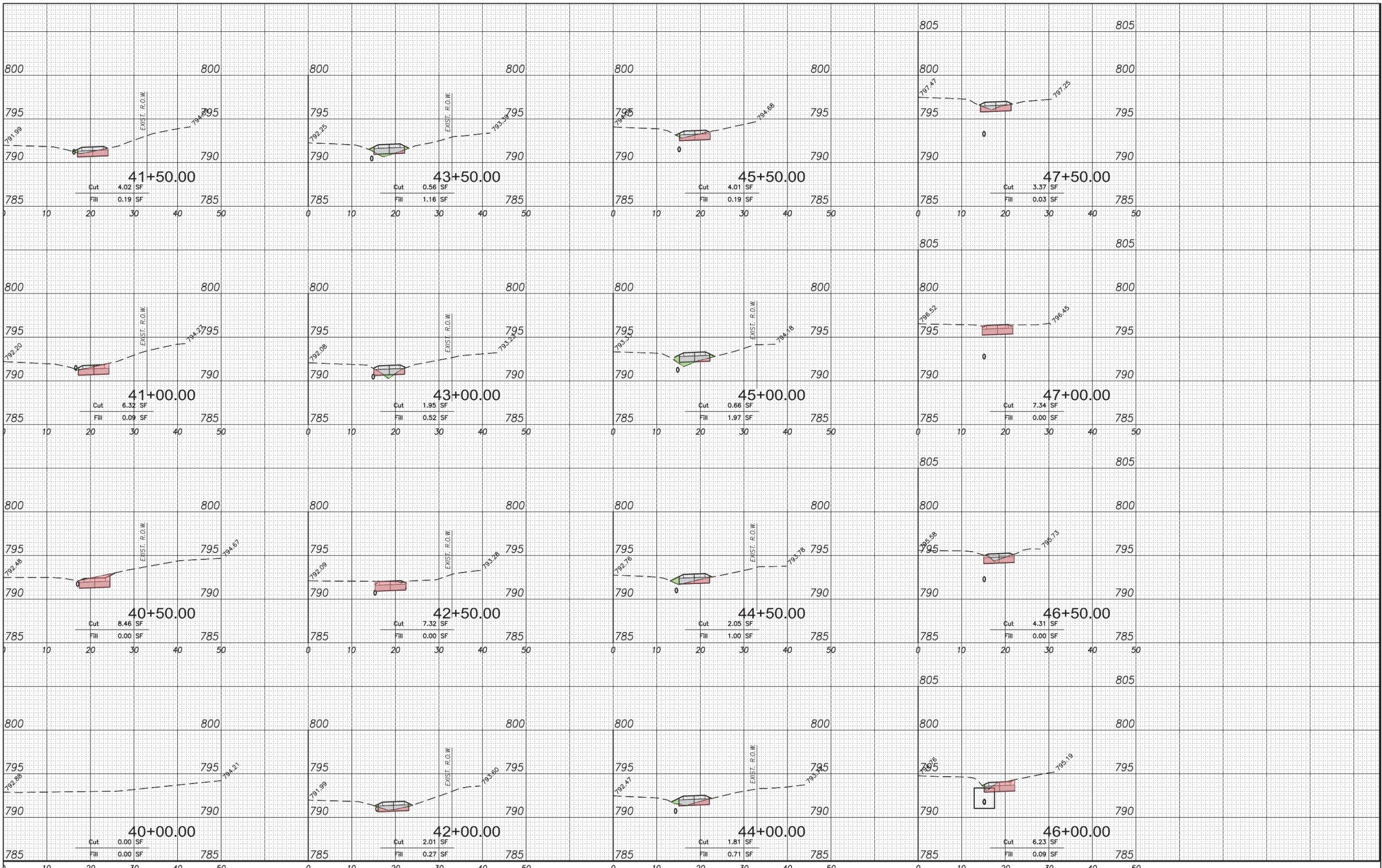


|                                   |                        |                               |                  |   |                               |                           |             |               |        |                |           |       |
|-----------------------------------|------------------------|-------------------------------|------------------|---|-------------------------------|---------------------------|-------------|---------------|--------|----------------|-----------|-------|
| FILE NAME = 26 CROSS SECTIONS.dwg | USER NAME = JOHN STAHL | DESIGNED .                    | REVISED X.X.X.   | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LAKE AVENUE<br>CROSS SECTIONS |                           | F.A.U. RTE. | SECTION       | COUNTY | TOTAL SHEETS   | SHEET NO. |       |
|                                   |                        | DRAWN .                       | REVISED X.X.X.   |   | SCALE: 1" = 10'               | SHEET NO. 26 OF 29 SHEETS | STA. 20+50  | TO STA. 27+00 | VAR    | 14-00031-00 SW | LAKE      | 29 26 |
|                                   |                        | CHECKED P.E.K.                | REVISED X.X.X.   |   | CONTRACT NO. 61F90            |                           |             |               |        |                |           |       |
|                                   |                        | PLOT DATE = 2/10/2020 2:36 PM | DATE JUN-26-2019 |   | ILLINOIS FED. AID PROJECT .   |                           |             |               |        |                |           |       |



|           |  |
|-----------|--|
| DATE      |  |
| BY        |  |
| SURVEYED  |  |
| PLANNED   |  |
| NOTED     |  |
| FILE NAME |  |

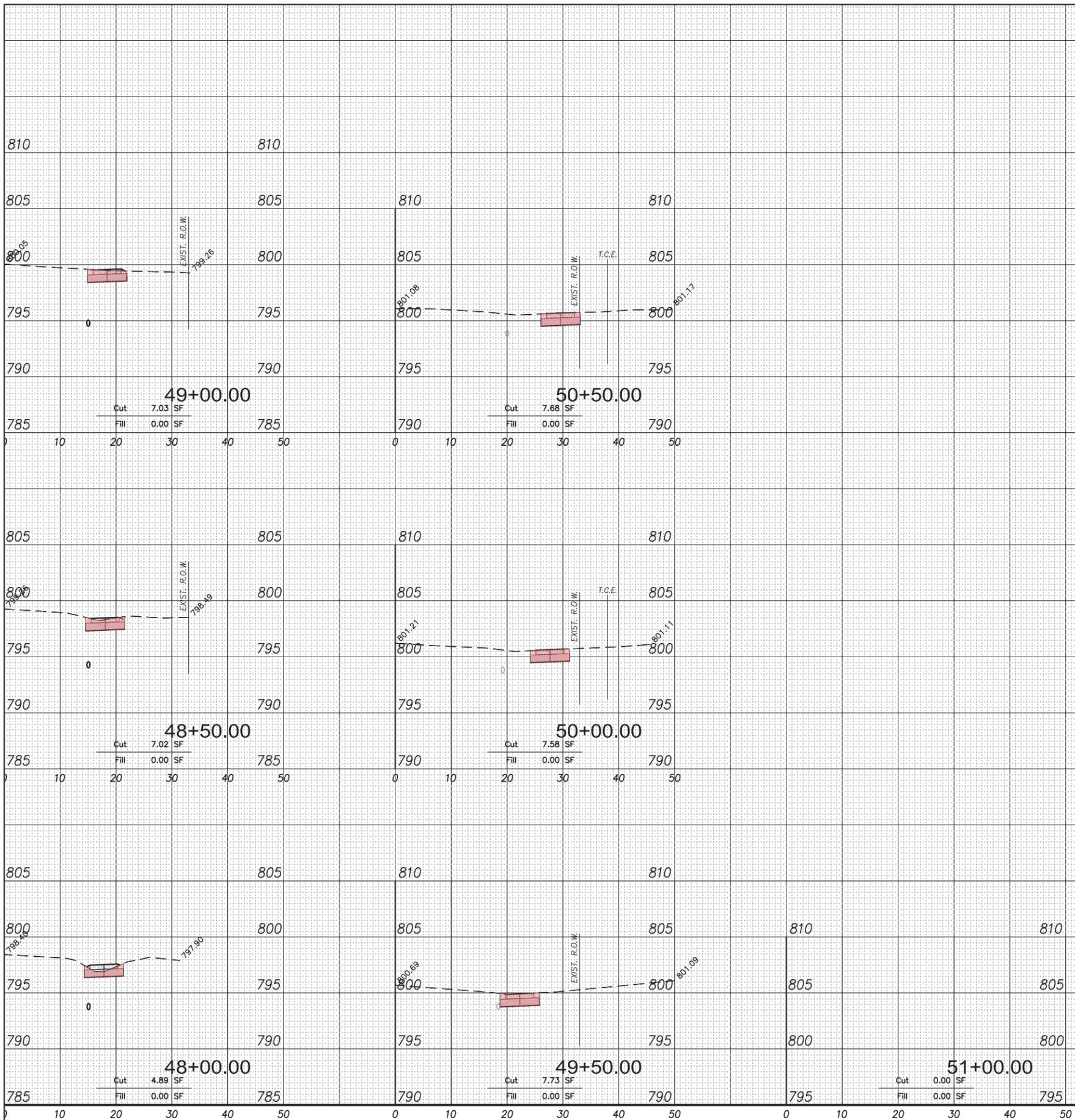
|           |  |
|-----------|--|
| DATE      |  |
| BY        |  |
| SURVEYED  |  |
| PLANNED   |  |
| NOTED     |  |
| FILE NAME |  |



|                                   |                        |                  |                |   |                           |                |        |              |           |  |
|-----------------------------------|------------------------|------------------|----------------|---|---------------------------|----------------|--------|--------------|-----------|--|
| FILE NAME = 28 CROSS SECTIONS.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D.  | REVISED X.X.X. | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION<br>CENTRAL AVENUE<br>CROSS SECTIONS<br>SCALE: 1" = 10'<br>SHEET NO. 28 OF 29 SHEETS<br>STA. 40+00 TO STA. 44+50 | F.A.U. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                                   |                        | DRAWN P.C.G.     | REVISED X.X.X. |   | VAR                       | 14-00031-00 SW | LAKE   | 29           | 28        |  |
|                                   |                        | CHECKED P.E.K.   | REVISED X.X.X. |   | CONTRACT NO. 61F90        |                |        |              |           |  |
|                                   |                        | DATE JUN-26-2019 | REVISED X.X.X. |   | ILLINOIS FED. AID PROJECT |                |        |              |           |  |

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVEYED           | BY | DATE |
|      | PLOTTED            |    |      |
|      | CHECKED            |    |      |
|      | PT. OF WAY CHECKED |    |      |
|      | NO. _____          |    |      |
|      | CADD FILE NAME     |    |      |

|         |                          |    |      |
|---------|--------------------------|----|------|
| PROFILE | SURVEYED                 | BY | DATE |
|         | PLOTTED                  |    |      |
|         | CHECKED                  |    |      |
|         | STRUCTURE NOTATIONS CHRG |    |      |
|         | NO. _____                |    |      |



|                                   |                        |                  |                |
|-----------------------------------|------------------------|------------------|----------------|
| FILE NAME = 29 CROSS SECTIONS.dwg | USER NAME = JOHN STAHL | DESIGNED J.J.D.  | REVISED X.X.X. |
|                                   |                        | DRAWN P.C.G.     | REVISED X.X.X. |
|                                   |                        | CHECKED P.E.K.   | REVISED X.X.X. |
|                                   |                        | DATE JUN-26-2019 | REVISED X.X.X. |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTRAL AVENUE  
CROSS SECTIONS

SCALE: 1" = 10' SHEET NO. 29 OF 29 SHEETS STA. 45+00 TO STA. 50+00

|   |                |        |              |           |
|---|----------------|--------|--------------|-----------|
| F.A.U. RTE.   | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR   | 14-00031-00 SW | LAKE   | 29           | 29        |
| CONTRACT NO. 61F90                                      |                |        |              |           |
| FED. AID DISTRICT NO. . . ILLINOIS FED. AID PROJECT . . |                |        |              |           |