

LEGEND

| | |
|------------------------------|--|
| PROPOSED STORM SEWERS | |
| PROPOSED DRAINAGE STRUCTURES | |



LIN ENGINEERING, LTD.
 Consulting Engineers
 Westmont, Illinois

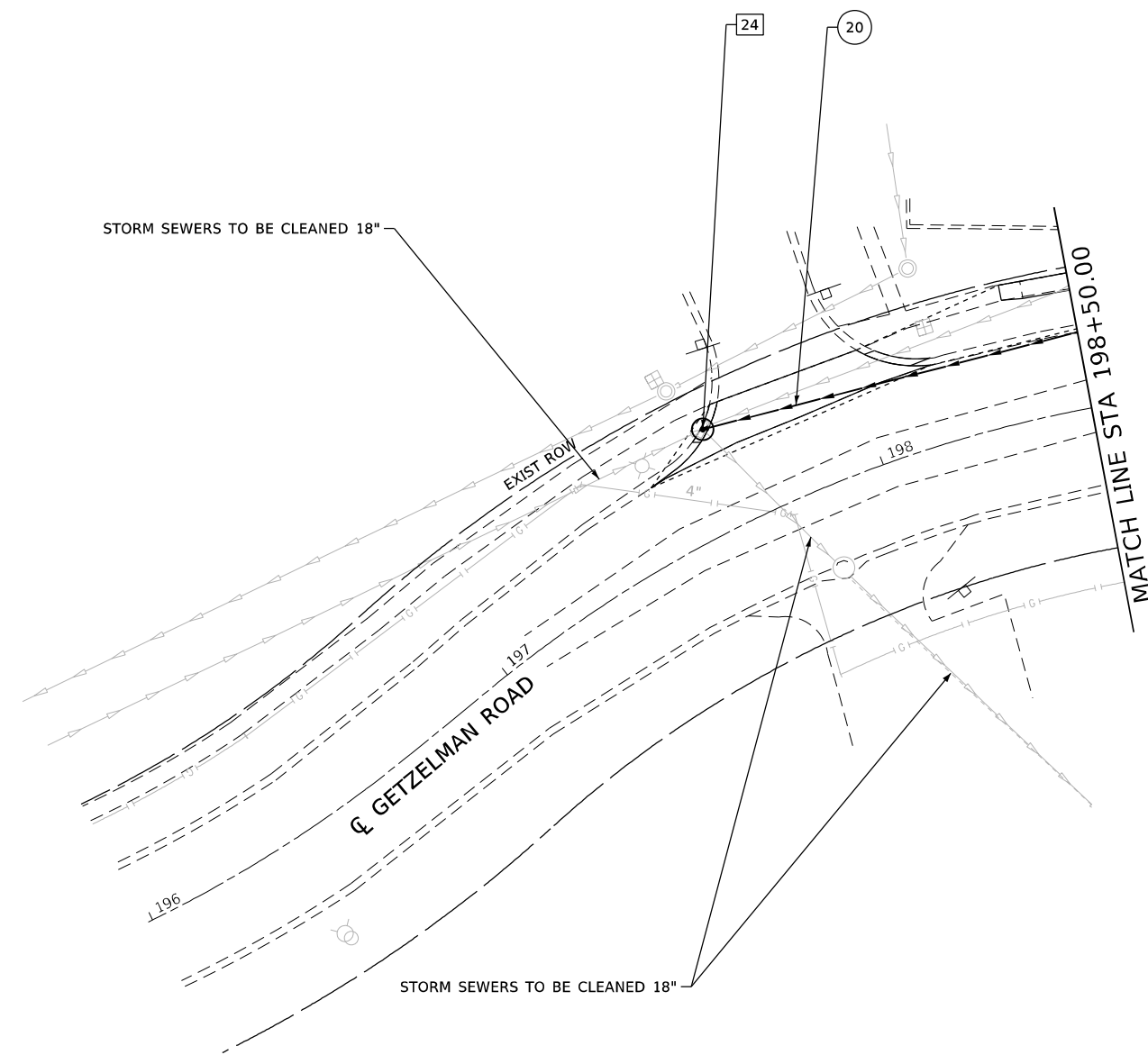
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| | DATE - 03-2021 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLANS
 IL ROUTE 72 AND STATE STREET**

SCALE: 1"=20' SHEET 3 OF 5 SHEETS STATION 503+00.00 TO STATION 509+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 101 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

PROPOSED STORM SEWERS



PROPOSED DRAINAGE STRUCTURES



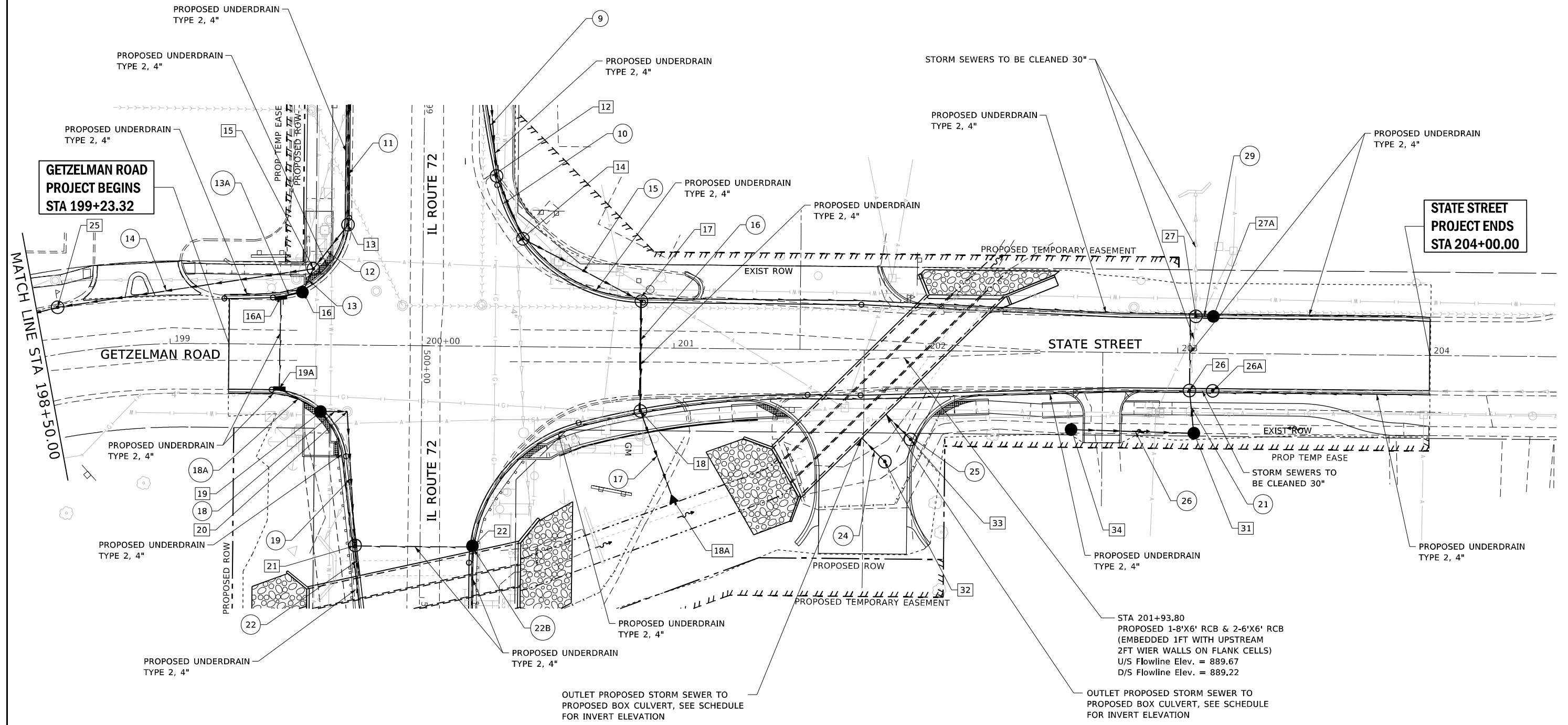
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| | DRAWN - SGL | REVISED - |
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| PLOT DATE = \$DATES\$ | DATE - 03-2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLANS
IL ROUTE 72 AND STATE STREET**

SCALE: 1"=20' SHEET 4 OF 5 SHEETS STATION 196+00.00 TO STATION 198+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|----------------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 102 |
| | | | CONTRACT NO. 62G1401 | |
| ILLINOIS FED. AID PROJECT | | | | |

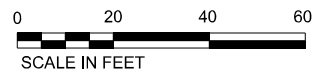


LEGEND

PROPOSED STORM SEWERS



PROPOSED DRAINAGE STRUCTURES



LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

| | | |
|------------------------|----------------|-----------|
| USER NAME = \$USERS | DESIGNED - SGL | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - SGL | REVISED - |
| PLOT DATE = \$DATE\$ | CHECKED - FML | REVISED - |
| | DATE - 03-2021 | REVISED - |

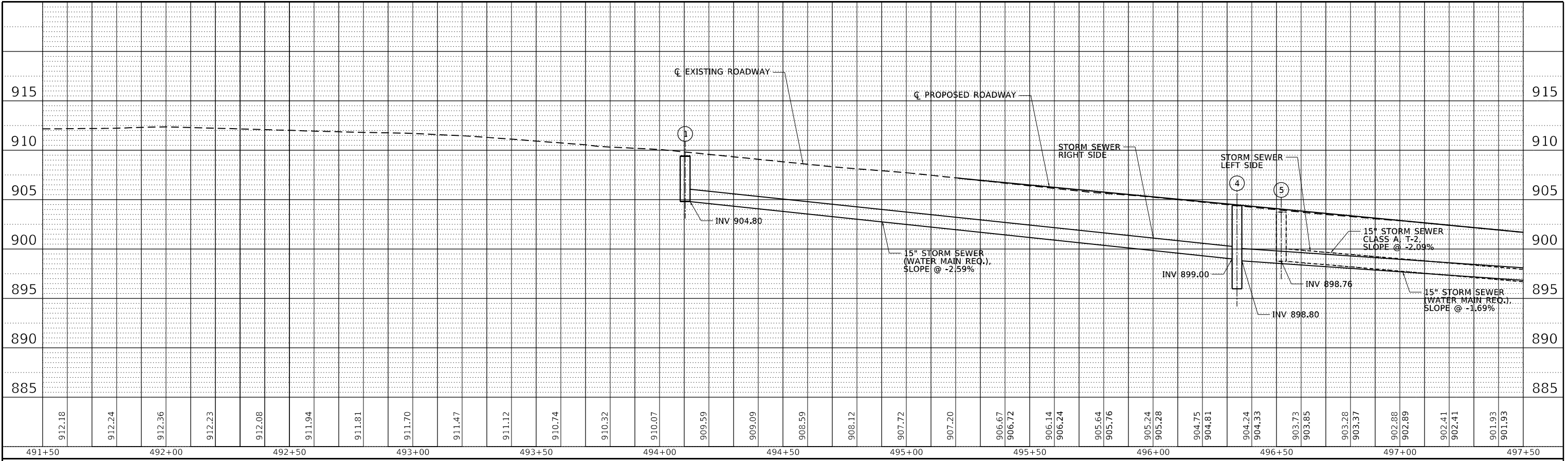
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLANS
IL ROUTE 72 AND STATE STREET**

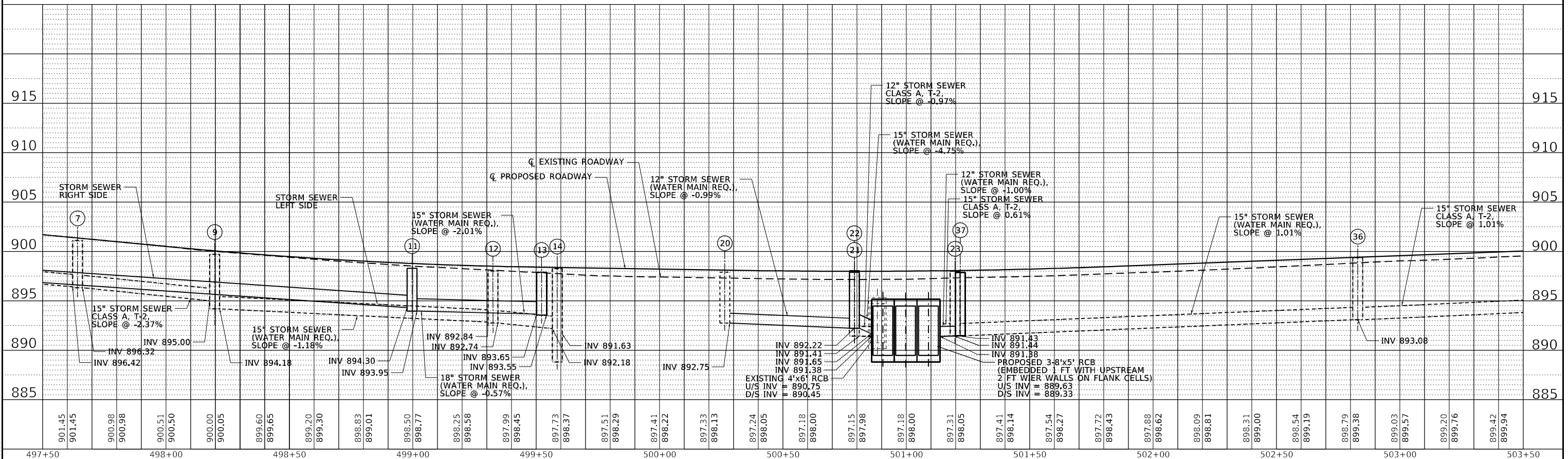
SCALE: 1"=20' SHEET 5 OF 5 SHEETS STATION 198+50.00 TO STATION 204+00.00

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 103 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|---------------|-----------|------|
| PLAN | SUBMITTED | DATE |
| | NOTED | |
| NOTE BOOK NO. | ALIGNED | |
| | CHECKED | |
| | BY | |



| | | |
|---------------|-----------|------|
| PROFILE | SUBMITTED | DATE |
| | NOTED | |
| NOTE BOOK NO. | ALIGNED | |
| | CHECKED | |
| | BY | |



FILE NAME: \$FILEL\$

LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

| | | |
|----------------------------|----------------|-----------|
| USER NAME = \$USER\$ | DESIGNED - SGL | REVISED - |
| MODEL NAME = \$MODELNAME\$ | DRAWN - SGL | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - FML | REVISED - |
| PLOT DATE = \$DATE\$ | DATE - 03-2021 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'

SHEET 1 OF 3 SHEETS

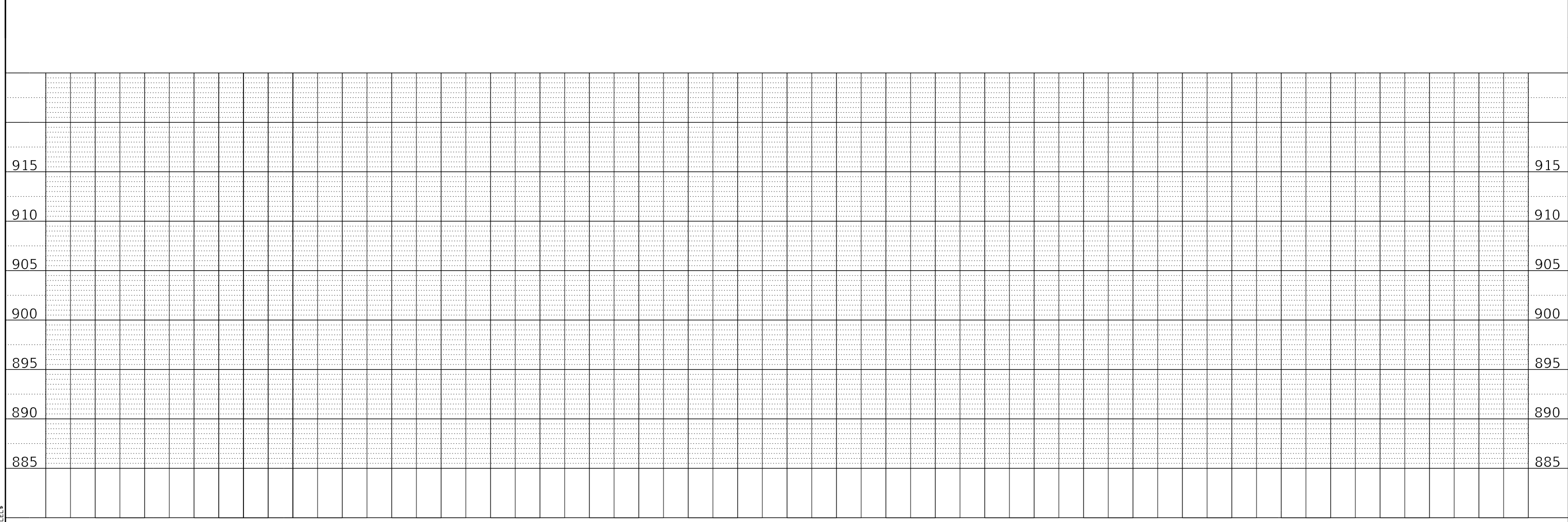
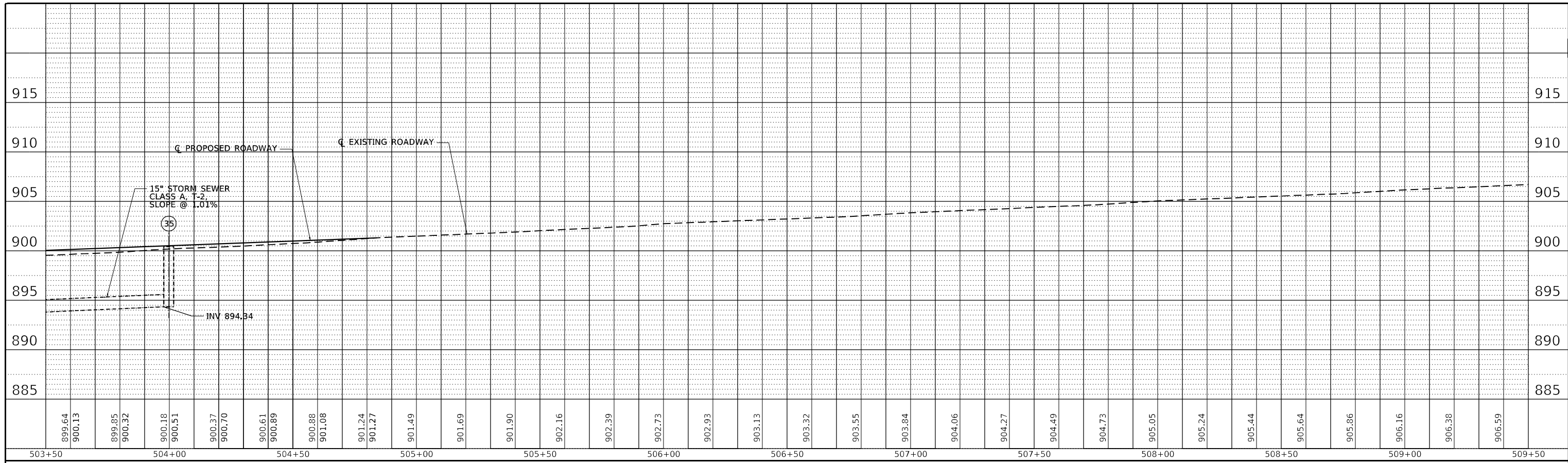
STATION 491+00.00 TO STATION 503+00.00

STORM SEWER PROFILES
IL ROUTE 72 AND STATE STREET

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 104 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|---------------|-----------|----|------|
| PLAN | SUBMITTED | BY | DATE |
| | NOTED | | |
| NOTE BOOK NO. | ALIGNED | | |
| | CHECKED | | |
| | FILED | | |
| | DATE | | |

| | | | |
|---------------|-----------|----|------|
| PROFILE | SUBMITTED | BY | DATE |
| | NOTED | | |
| NOTE BOOK NO. | ALIGNED | | |
| | CHECKED | | |
| | FILED | | |
| | DATE | | |



FILE NAME: \$FILEL\$



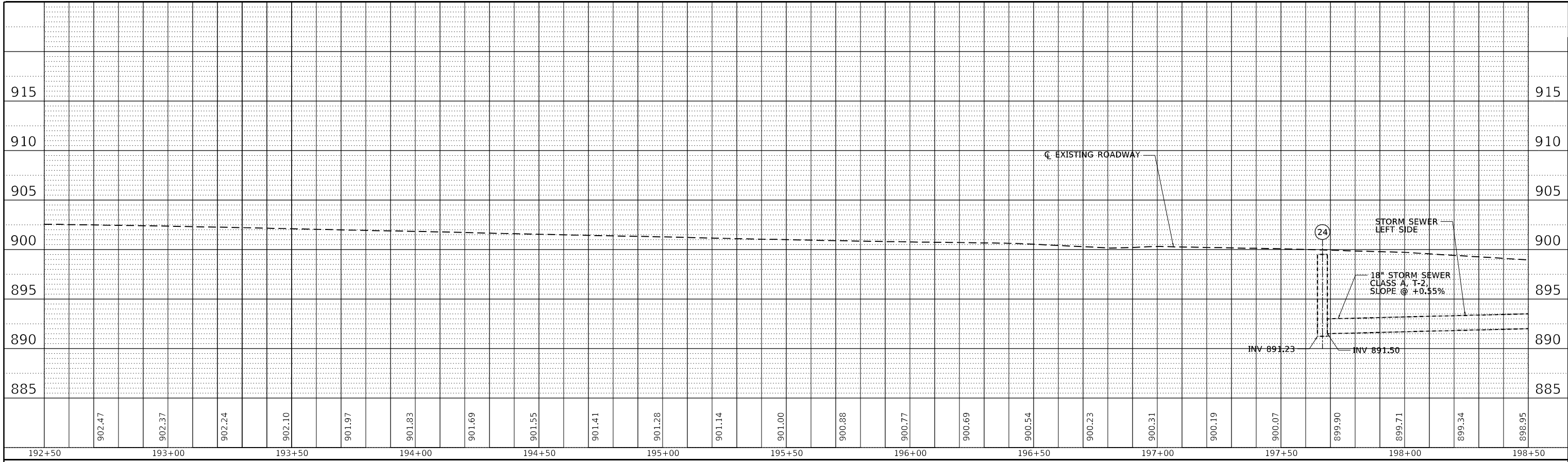
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| USER NAME = \$USER\$ | DESIGNED - SGL | REVISED - |
| MODEL NAME = \$MODELNAME\$ | DRAWN - SGL | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - FML | REVISED - |
| PLOT DATE = \$DATE\$ | DATE - 03-2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

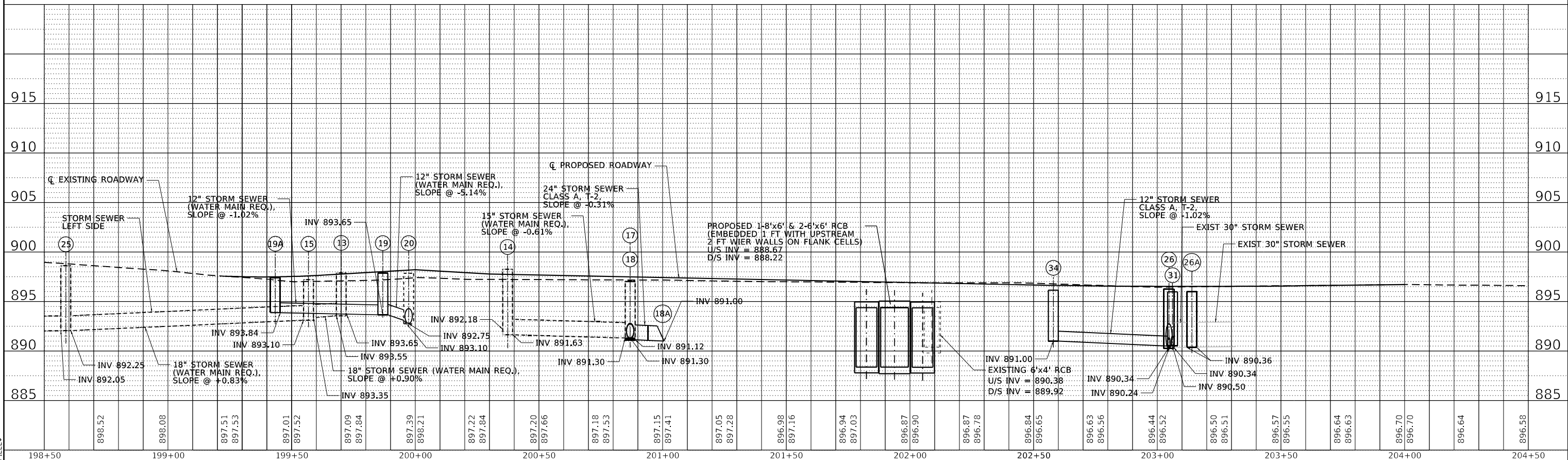
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|-------------------------------------|---------------------|--|
| STORM SEWER PROFILES | | |
| IL ROUTE 72 AND STATE STREET | | |
| SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STATION 503+00.00 TO STATION 509+00.00 |

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 105 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-----------|------|
| PLAN | SUBMITTED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | BY | |
| | NO. | |



| | | |
|---------|--------------------------|------|
| PROFILE | SUBMITTED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHKD | |
| | NO. | |



FILE NAME: \$FILEL\$



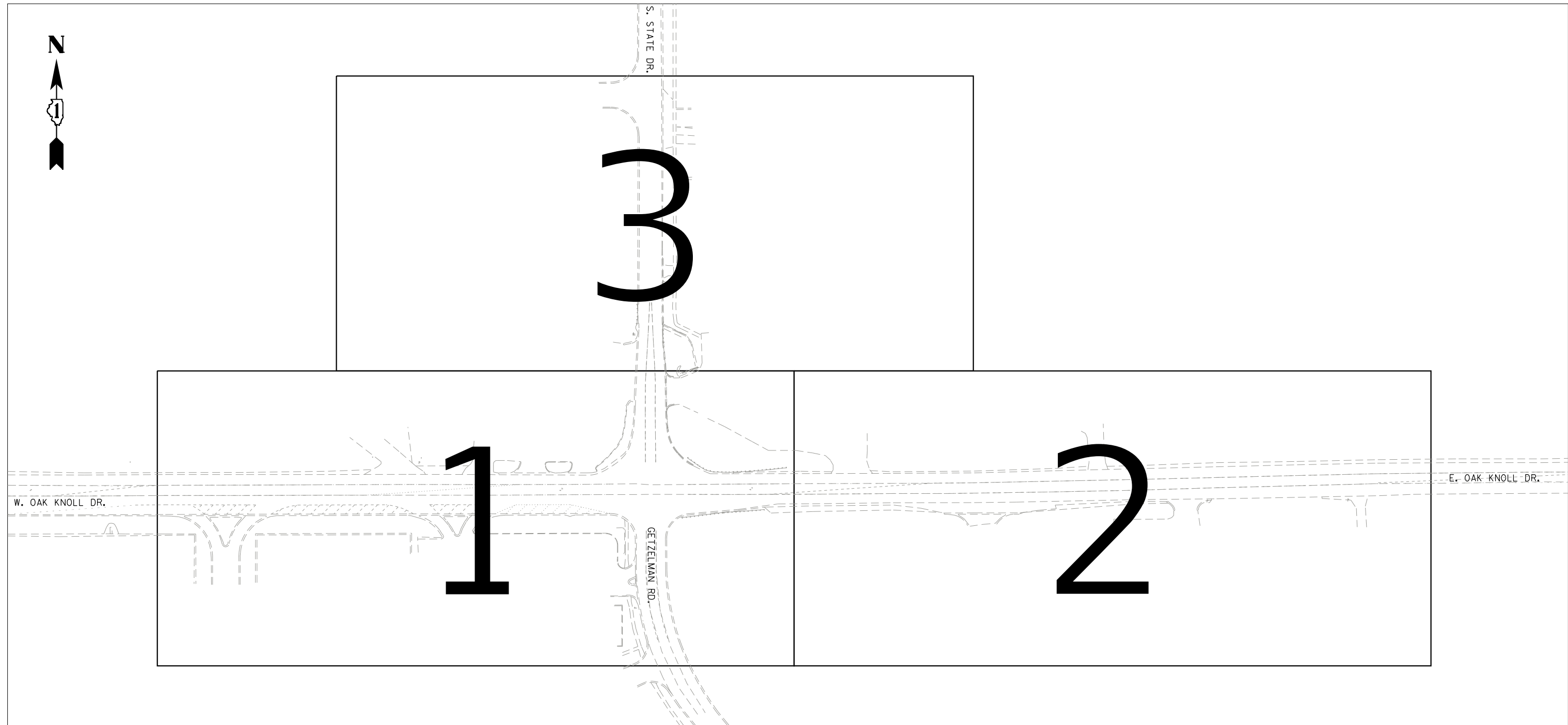
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|--------------|---------------|------------|---------|-----------|--|
| USER NAME = | \$USER\$ | DESIGNED - | SGL | REVISED - | |
| MODEL NAME = | \$MODELNAME\$ | DRAWN - | SGL | REVISED - | |
| PLOT SCALE = | \$SCALE\$ | CHECKED - | FML | REVISED - | |
| PLOT DATE = | \$DATE\$ | DATE - | 03-2021 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|---------------|--|---------------------|--|--|--|
| SCALE: 1"=20' | | SHEET 3 OF 3 SHEETS | | STATION 198+50.00 TO STATION 205+00.00 | |
|---------------|--|---------------------|--|--|--|

STORM SEWER PROFILES
IL ROUTE 72 AND STATE STREET

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 106 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (OLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (OLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (OLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (OLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

WGI'S FIELD INVESTIGATION WAS PERFORMED 06/16/2020 THROUGH 06/19/2020. CHANGES TO UTILITIES AFTER 06/19/2020 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (OLB) STANDARDS.

UTILITY SIZE AND INFORMATION IS BASED ON BEST AVAILABLE FIELD AND RECORD INFORMATION.

ALL UTILITIES SHOWN ARE QUALITY LEVEL B (OLB) UNLESS NOTED OTHERWISE.

ALL ELECTRONIC DEPTHS PROVIDED ARE ESTIMATED APPROXIMATELY TO THE CENTER OF THE UTILITY UNLESS NOTED OTHERWISE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- AERIAL
- UNKNOWN UTILITY
- OIL (PETROLEUM)
- CABLE TV
- TELEPHONE
- GAS
- ELECTRIC
- TRAFFIC SIGNAL/LIGHTING
- WATER
- FORCE MAIN
- FIBER OPTIC
- TEST HOLE
- END OF INFORMATION
- ELECTRONIC DEPTH



John J. Bellis
Signature
07/09/20
date

license expires 11/30/2021



Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656
Phone No. (773) 444-0144



2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

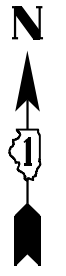
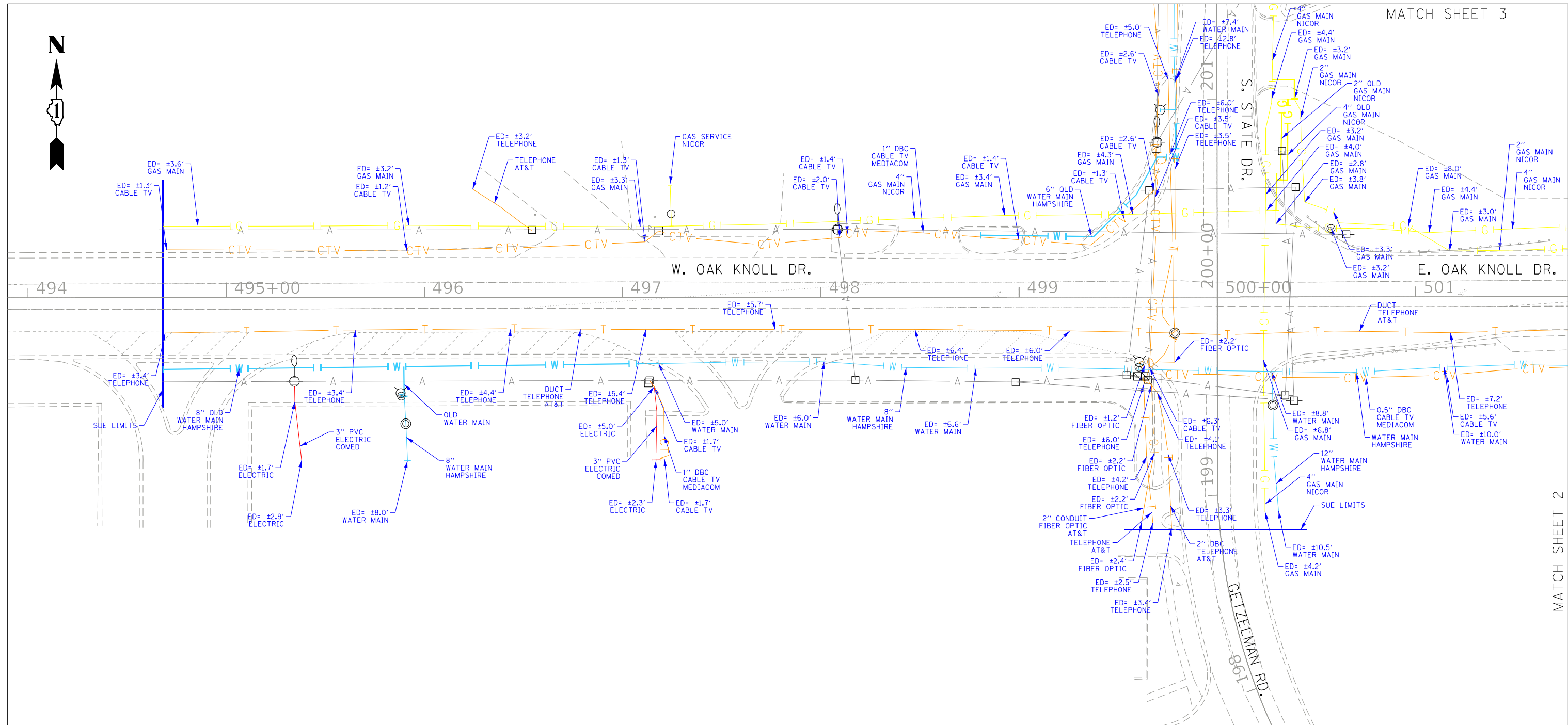
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|-------------------------------|--------------|-----------|
| USER NAME = Erick, Malena | DESIGNED - | REVISED - |
| | DRAWN - EM | REVISED - |
| PLOT SCALE = 50,0000 * 1/ in. | CHECKED - EG | REVISED - |
| PLOT DATE = 7/6/2020 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 72 AT STATE ST./GETZELMAN RD.
HAMPSHIRE, ILLINOIS**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| | | KANE | 236 | 107 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (OLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (OLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (OLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (OLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

WGI'S FIELD INVESTIGATION WAS PERFORMED 06/16/2020 THROUGH 06/19/2020. CHANGES TO UTILITIES AFTER 06/19/2020 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (OLB) STANDARDS.

UTILITY SIZE AND INFORMATION IS BASED ON BEST AVAILABLE FIELD AND RECORD INFORMATION.

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ALL ELECTRONIC DEPTHS PROVIDED ARE ESTIMATED APPROXIMATELY TO THE CENTER OF THE UTILITY UNLESS NOTED OTHERWISE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- A - AERIAL
- UNKNOWN UTILITY
- OIL (PETROLEUM)
- CTV - CABLE TV
- T - TELEPHONE
- G - GAS
- E - ELECTRIC
- E - TRAFFIC SIGNAL/LIGHTING
- W - WATER
- FORCE MAIN
- FO - FIBER OPTIC
- - TEST HOLE
- EOI - END OF INFORMATION
- ED - ELECTRONIC DEPTH



John J. Bellis
Signature
07/09/20
date

license expires 11/30/2021



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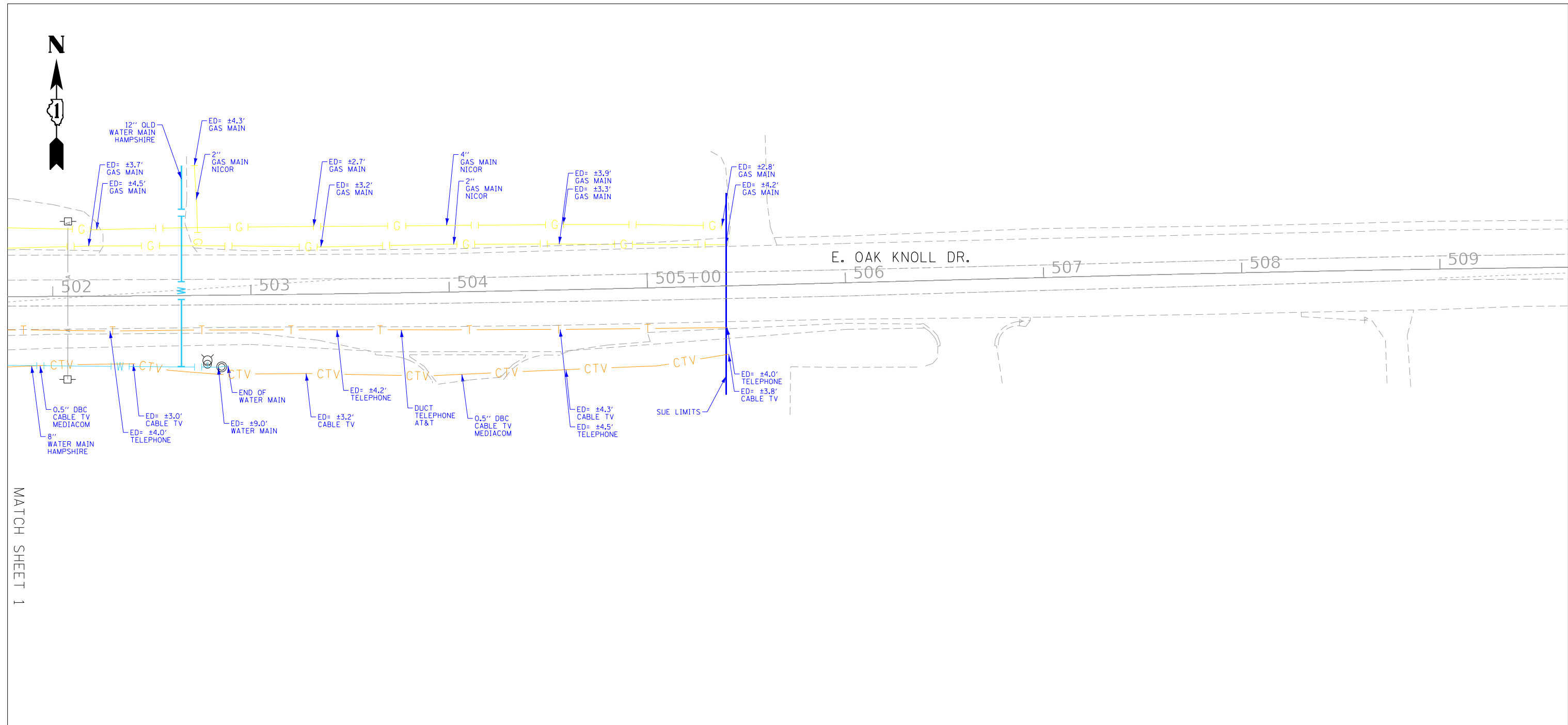
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|-------------------------------|--------------|-----------|
| USER NAME = Erick, Maleza | DESIGNED - | REVISED - |
| PLOT SCALE = 50,0000' +/- in. | DRAWN - EM | REVISED - |
| PLOT DATE = 7/9/2020 | CHECKED - EG | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 72 AT STATE ST./GETZELMAN RD.
HAMPSHIRE, ILLINOIS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | KANE | 236 | 108 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



MATCH SHEET 1

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (OLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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QUALITY LEVEL D (OLD)
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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (OLB) STANDARDS.

UTILITY SIZE AND INFORMATION IS BASED ON BEST AVAILABLE FIELD AND RECORD INFORMATION.

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UTILITY LEGEND:

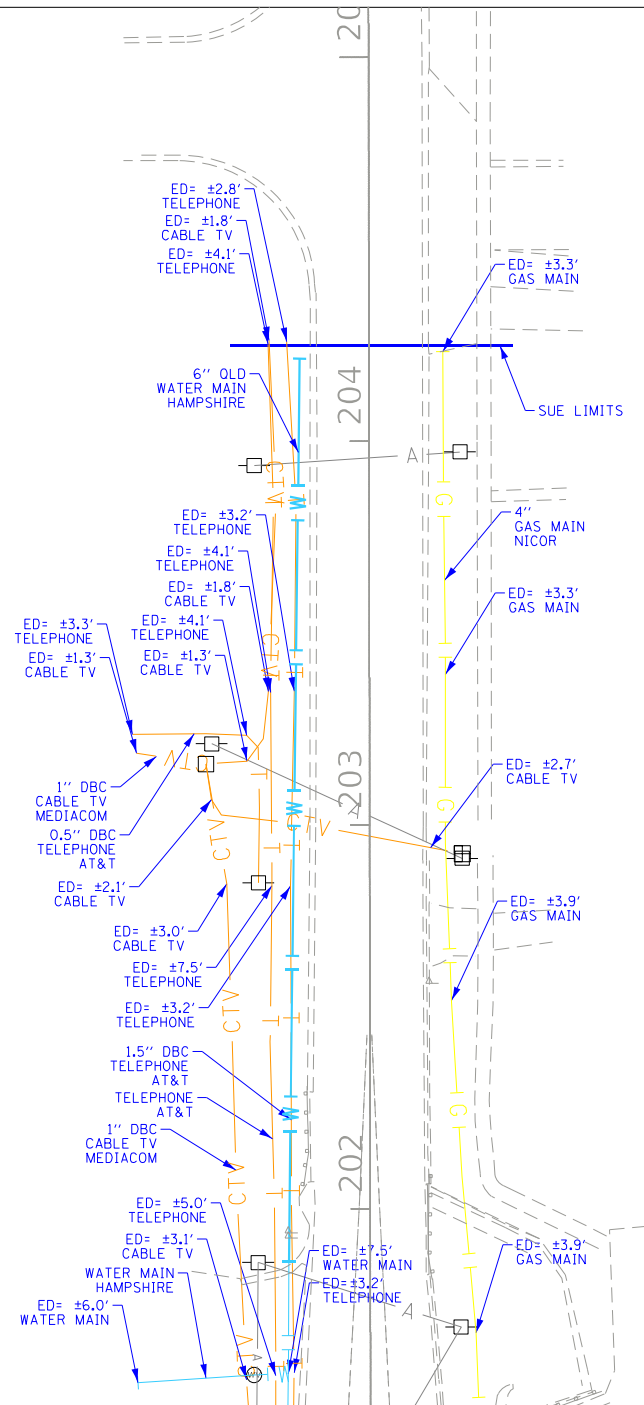
| | |
|--|---------------------------|
| | - AERIAL |
| | - UNKNOWN UTILITY |
| | - OIL (PETROLEUM) |
| | - CABLE TV |
| | - TELEPHONE |
| | - GAS |
| | - ELECTRIC |
| | - TRAFFIC SIGNAL/LIGHTING |
| | - WATER |
| | - FORCE MAIN |
| | - FIBER OPTIC |
| | - TEST HOLE |
| | - END OF INFORMATION |
| | - ELECTRONIC DEPTH |

REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 062-044796
 JOHN J. BELLIS
John J. Bellis
 Signature
 07/09/20
 date
 license expires 11/30/2021

Sanchez & Associates, P.C.
 8604 W. Catalpa Avenue, Suite 912
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| | | | | | | | |
|--|--|--|--|---|---|--|--|
| | USER NAME = Erick, Maleza PLOT SCALE = 50,0000 * 1/ in. PLOT DATE = 7/9/2020 | DESIGNED - DRAWN - EM CHECKED - EG DATE - | REVISED - REVISED - REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL 72 AT STATE ST./GETZELMAN RD. HAMPSHIRE, ILLINOIS | SCALE: SHEET 2 OF 3 SHEETS STA. TO STA. | F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. KANE 236 109 CONTRACT NO. 62G11 ILLINOIS FED. AID PROJECT |
|--|--|--|--|---|---|--|--|



MATCH SHEET 1

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (OLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (OLB) STANDARDS.

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- UNKNOWN UTILITY
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- CTV — CABLE TV
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- W — WATER
- FORCE MAIN
- FO — FIBER OPTIC
- — TEST HOLE
- EOI — END OF INFORMATION
- ED — ELECTRONIC DEPTH



John J. Bellis
Signature
07/09/20
date

license expires 11/30/2021

SANCHEZ Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656
Phone No. (773) 444-0144

WGI 2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

| | | | | | | | | | |
|---------------------------|--------------|-----------|---|---|--------------------|------------------|--------|--------------|-----------|
| USER NAME = Erick_Maleza | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL 72 AT STATE ST./GETZELMAN RD. HAMPSHIRE, ILLINOIS | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 50,0000' +/- | DRAWN - EM | REVISED - | | | KANE | 236 | 110 | | |
| PLOT DATE = 7/9/2020 | CHECKED - EG | REVISED - | | | CONTRACT NO. 62G11 | | | | |
| | DATE - | REVISED - | | | ILLINOIS | FED. AID PROJECT | | | |

UTILITY RELOCATION SCHEDULE OF QUANTITIES

| PAID BY VILLAGE | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-----------------|---|-------|----------------|
| * | TRENCH BACKFILL | CUYD | 217 |
| | TRENCH BACKFILL | CUYD | 311 |
| | TOPSOIL EXCAVATION AND PLACEMENT | CU YD | 120 |
| | SEEDING, CLASS 2A | ACRE | 0.03 |
| | TEMPORARY EROSION CONTROL SEEDING | POUND | 4 |
| | PERIMETER EROSION BARRIER | FOOT | 70 |
| | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 37 |
| * | CLASS D PATCHES, TYPE IV, 6 INCH | SQYD | 114 |
| | CLASS D PATCHES, TYPE IV, 6 INCH | SQYD | 237 |
| | STORM SEWER REMOVAL, 12" | FOOT | 30 |
| * | FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX | EACH | 2 |
| | FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX | EACH | 1 |
| | VALVE VAULTS TO BE ADJUSTED | EACH | 1 |
| | VALVE BOXES TO BE ADJUSTED | EACH | 1 |
| * | MANHOLE FRAMES TO BE ADJUSTED | EACH | 2 |
| | MANHOLE FRAMES TO BE ADJUSTED | EACH | 1 |
| | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 37 |
| * | SANITARY SEWER TESTING | L SUM | 0.5 |
| | SANITARY SEWER TESTING | L SUM | 0.5 |
| * | TELEVISION INSPECTION OF NEW SANITARY SEWER | FOOT | 101 |
| | TELEVISION INSPECTION OF NEW SANITARY SEWER | FOOT | 112 |
| * | ABANDON AND FILL EXISTING SANITARY SEWER | EACH | 4 |
| * | SANITARY SEWER CONNECTION | EACH | 2 |
| | SANITARY SEWER CONNECTION | EACH | 2 |
| * | REMOVE FIRE HYDRANT AND VALVE ASSEMBLY | EACH | 2 |
| | REMOVE FIRE HYDRANT AND VALVE ASSEMBLY | EACH | 2 |
| * | 8" GATE VALVE WITH VAULT, 4' DIAMETER | EACH | 2 |
| | 8" GATE VALVE WITH VAULT, 4' DIAMETER | EACH | 2 |
| | SANITARY SEWER REMOVAL, 8" | FOOT | 112 |
| * | 12" GATE VALVE WITH VAULT, 5' DIAMETER | EACH | 2 |
| * | PRESSURE TESTING AND DISINFECTION | LSUM | 0.5 |
| | PRESSURE TESTING AND DISINFECTION | LSUM | 0.5 |
| * | WATER MAIN TO BE ABANDONED, 6" | FOOT | 40 |
| | WATER MAIN TO BE ABANDONED, 6" | FOOT | 395 |
| * | WATER MAIN TO BE ABANDONED, 12" | FOOT | 75 |
| | WATER MAIN PROTECTION | FOOT | 24 |
| | WATER MAIN REMOVAL, 6" | FOOT | 65 |
| * | WATER MAIN REMOVAL, 8" | FOOT | 40 |
| * | WATER MAIN REMOVAL, 12" | FOOT | 50 |
| * | DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT, 8" | FOOT | 142 |
| | DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT, 8" | FOOT | 485 |
| | DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT, 12" | FOOT | 140 |
| | WATER SERVICE CONNECTION | EACH | 1 |
| * | CONNECTION TO EXISTING WATER MAIN 8" | EACH | 2 |
| | CONNECTION TO EXISTING WATER MAIN 8" | EACH | 1 |
| * | CONNECTION TO EXISTING WATER MAIN 12" | EACH | 2 |
| * | MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 |
| | MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 |
| * | SANITARY MANHOLES TO BE REMOVED | EACH | 2 |
| * | SANITARY SEWER BYPASS PUMPING | LSUM | 0.5 |
| | SANITARY SEWER BYPASS PUMPING | LSUM | 0.5 |
| * | EXPLORATORY EXCAVATION | FOOT | 10 |
| | EXPLORATORY EXCAVATION | FOOT | 20 |
| * | SANITARY SEWER, 6" | FOOT | 101 |
| | SANITARY SEWER 8" | FOOT | 112 |
| | STEEL CASINGS 18" | FOOT | 65 |
| * | STEEL CASINGS 18" | FOOT | 60 |

| PLAN | SURVEYED | DATE |
|---------------|-----------------------------|------|
| NOTE BOOK NO. | PLOTTED | BY |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | CADD FILE NAME | |

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

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Engineering Enterprises, Inc.
 CONSULTING ENGINEERS
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700 / www.eelweb.com

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|------------------------|
| USER NAME = JSchmidt |
| PLOT SCALE = \$SCALE\$ |
| PLOT DATE = 4/27/2024 |

| | |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

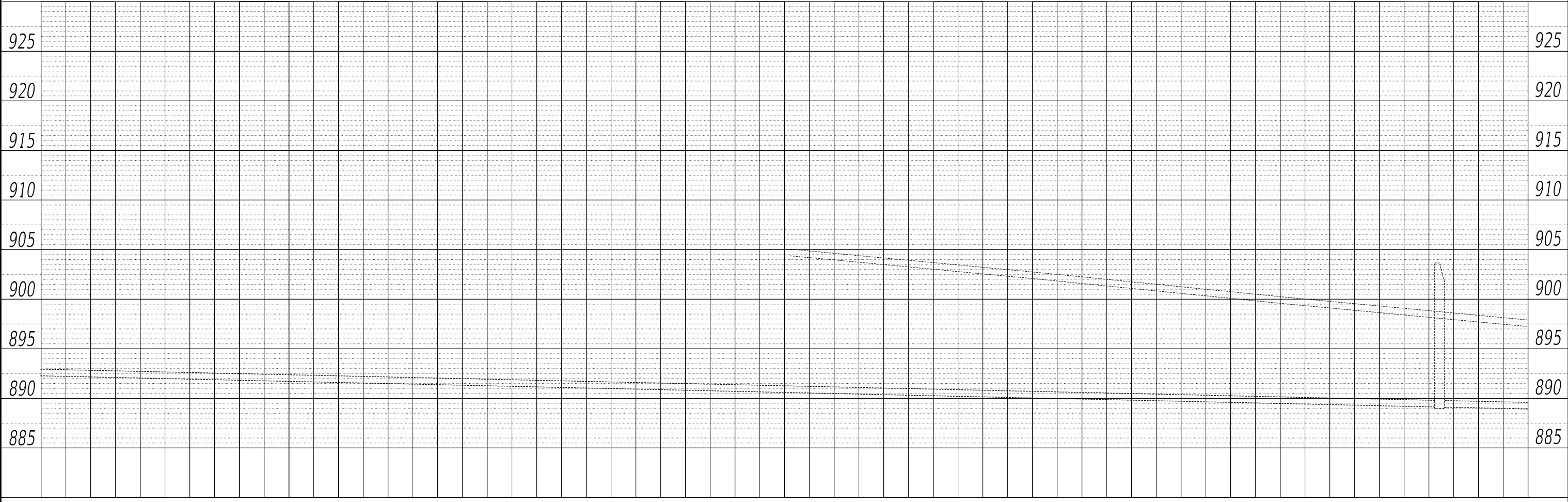
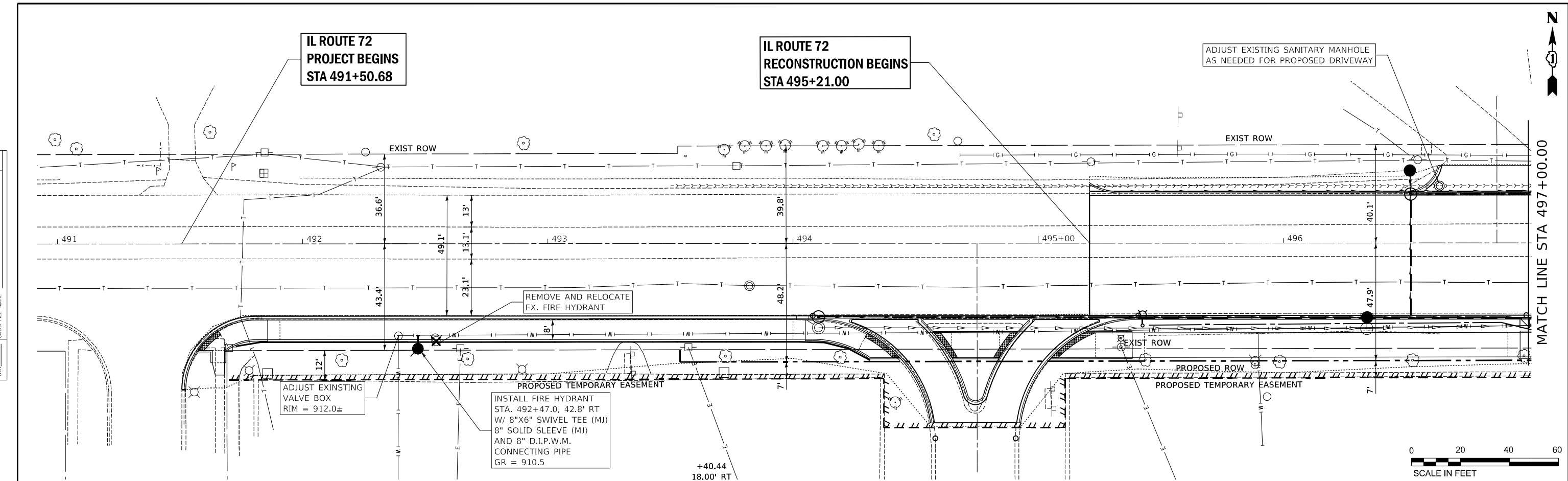
**UTILITY RELOCATION PLANS
 UTILITY RELOCATION QUANTITIES**

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 111 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHP-K445(549) | | | | |

| | | |
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |

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



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 CONSULTING ENGINEERS
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700 / www.eeiweb.com

USER NAME = JSchmidt
 PLOT SCALE = \$SCALE\$
 PLOT DATE = 4/7/2021

| | |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

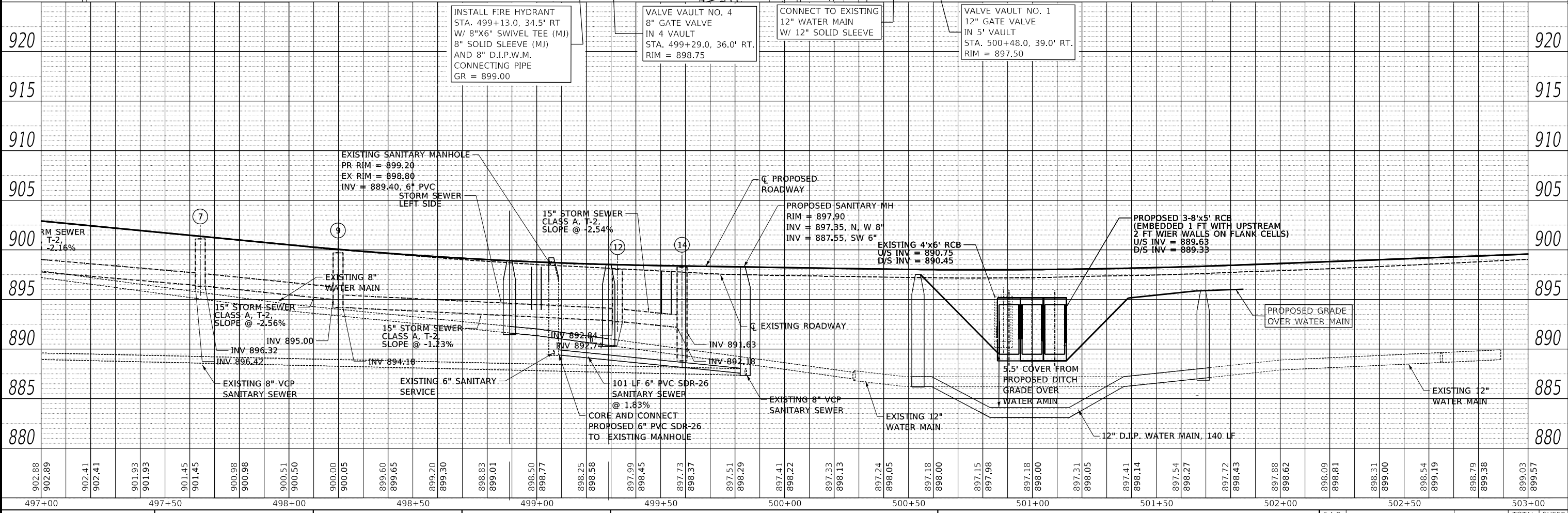
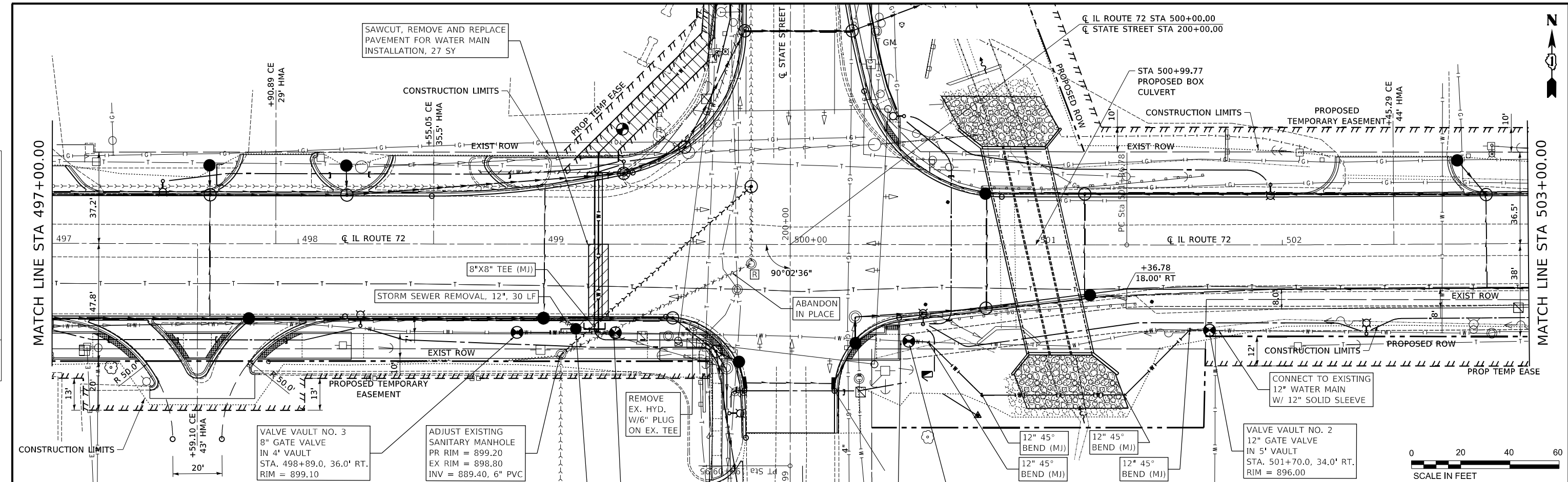
UTILITY RELOCATION PLANS
PLAN AND PROFILE SHEETS

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. 491+00 TO STA. 497+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 112 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHP-4465(549) | | | | |

| PLAN | DATE |
|------|------|
| BY | |
| DATE | |

| PROFILE | DATE |
|---------|------|
| BY | |
| DATE | |



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| USER NAME | = JSchmidt |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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| REVISION | - |
| REVISION | - |
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| REVISION | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION PLANS
PLAN AND PROFILE SHEETS

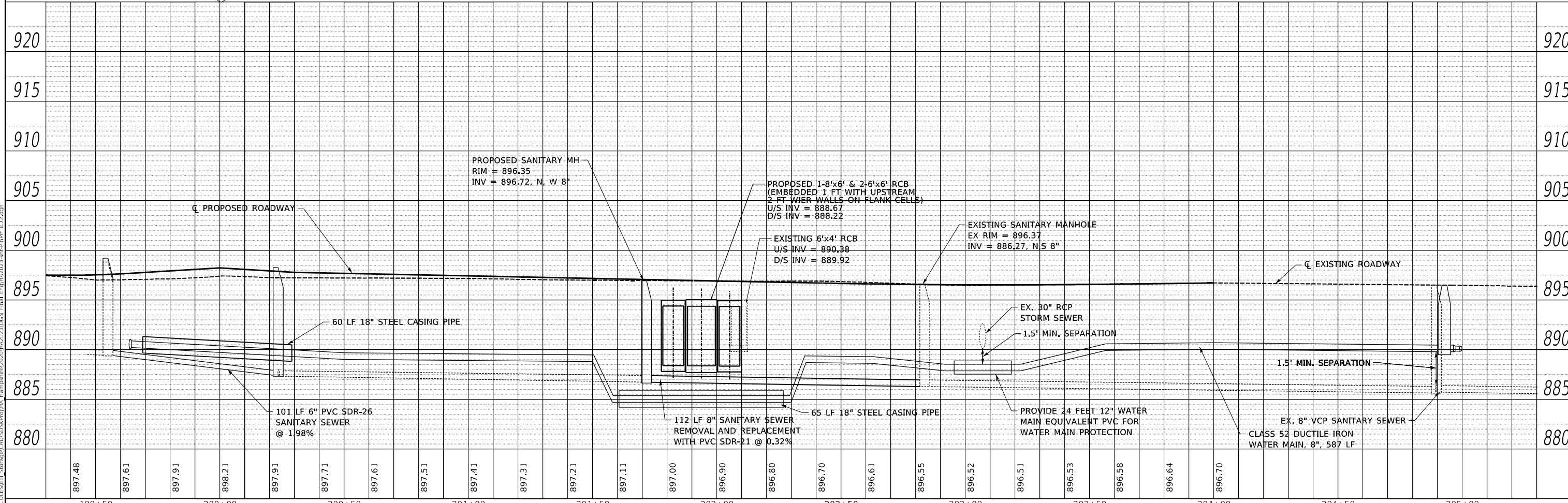
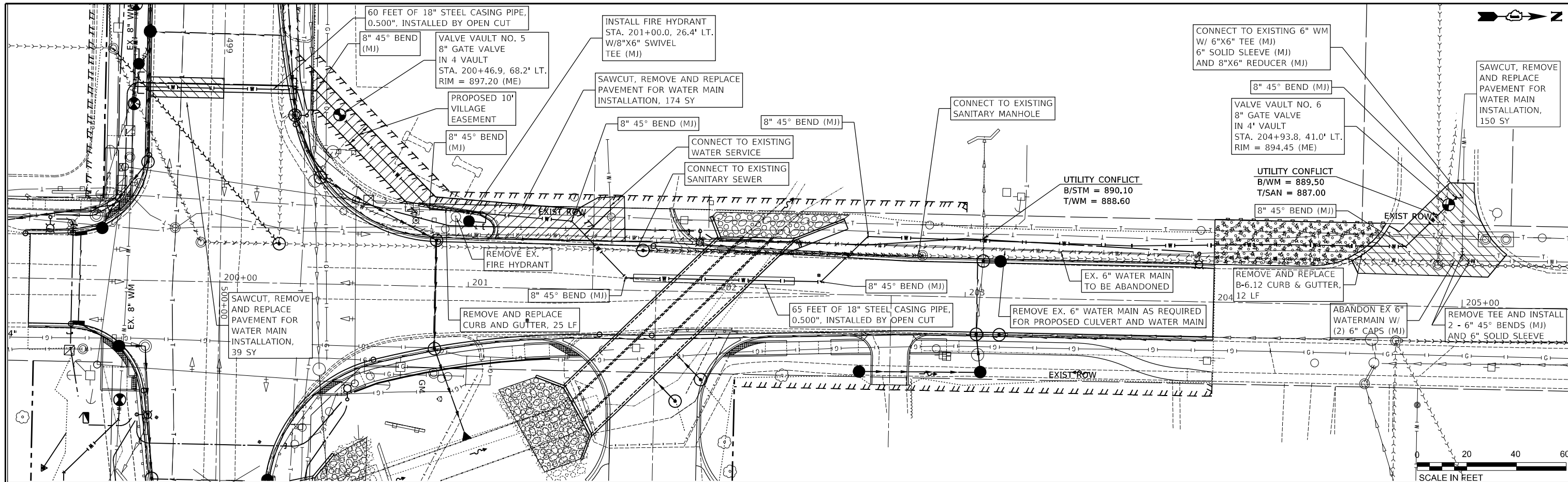
SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 497+00 TO STA. 503+00

| | | | | |
|--------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 113 |
| CONTRACT NO. 62G11 | | | | |

ILLINOIS FED. AID PROJECT NHPP-K465(549)

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| PLAN | SURVIVED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | NO. | |

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| PROFILE | SURVIVED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | NO. | |



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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
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USER NAME = JSchmidt
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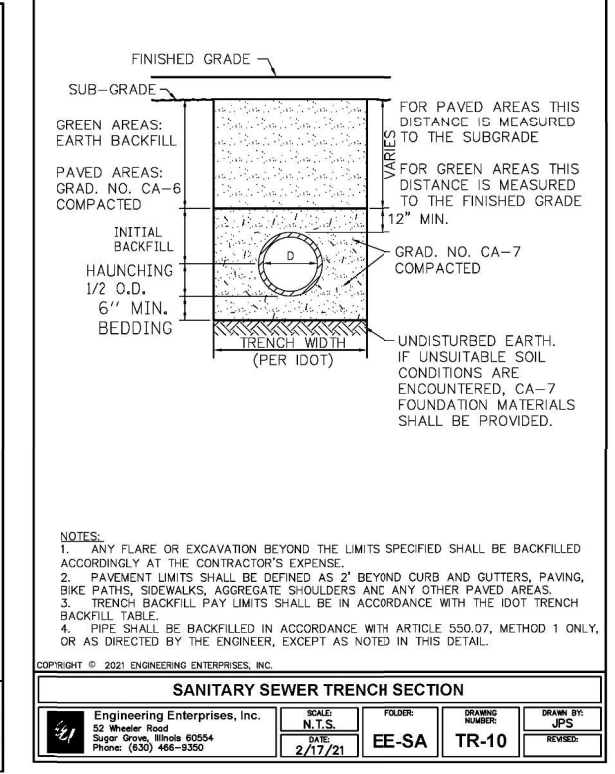
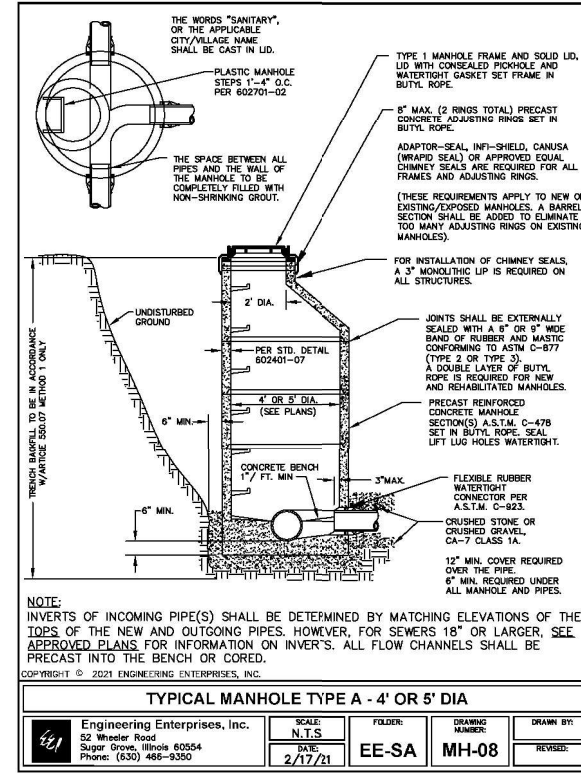
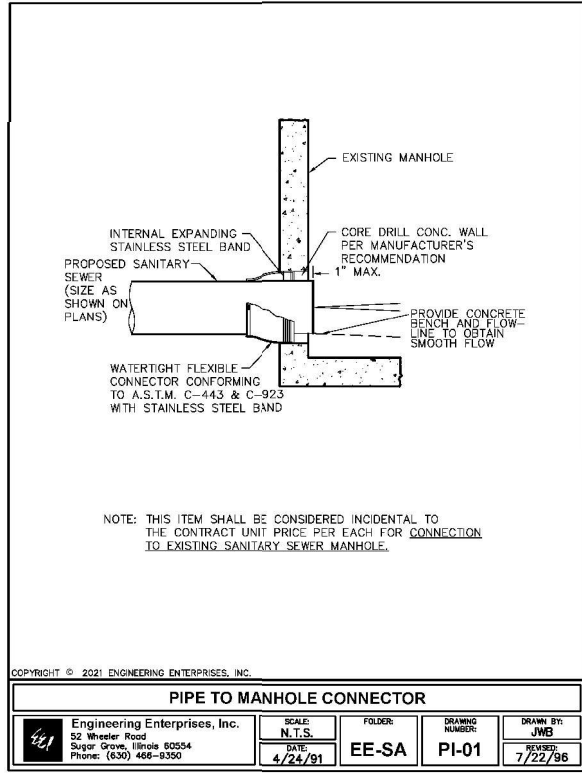
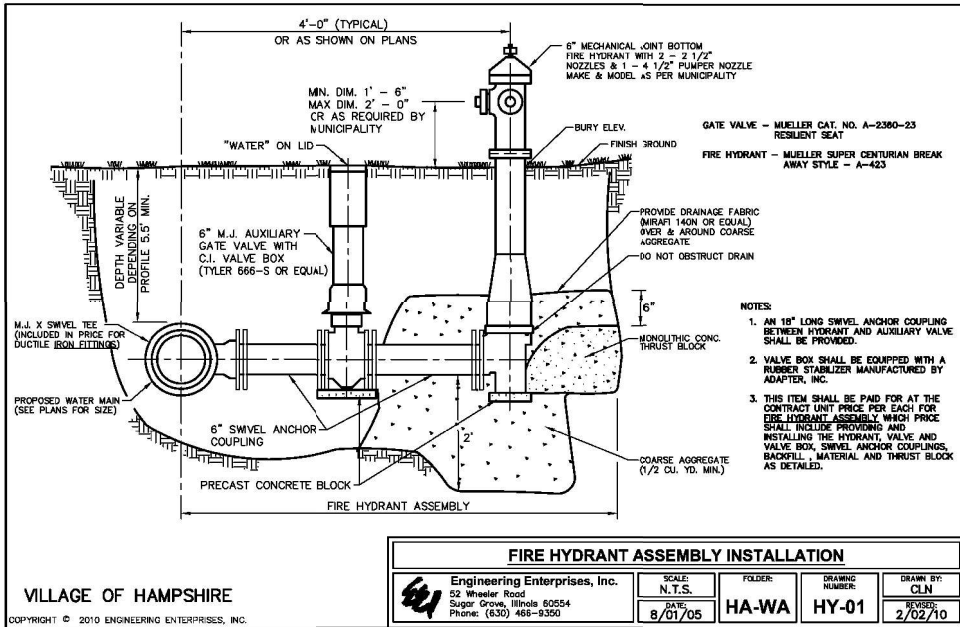
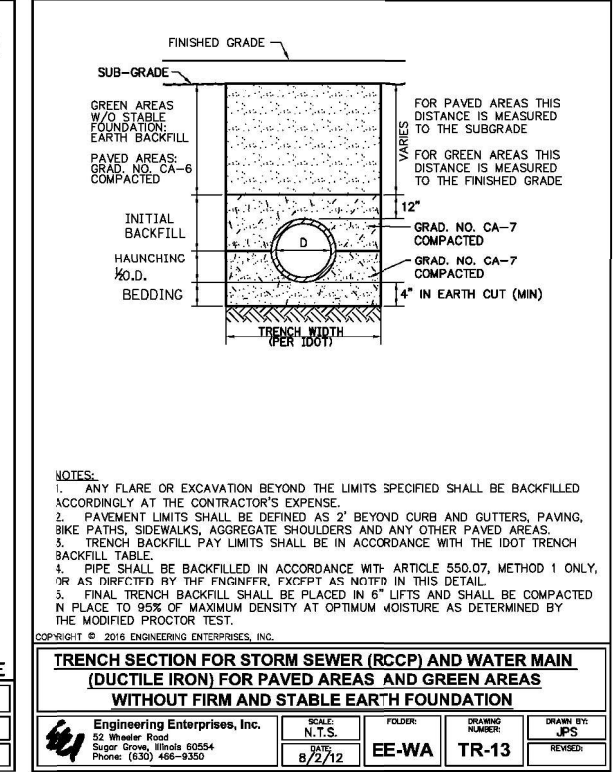
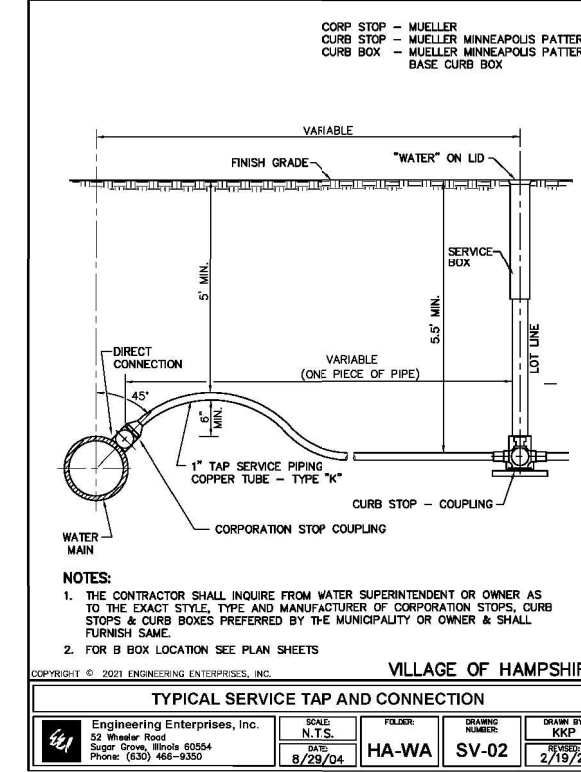
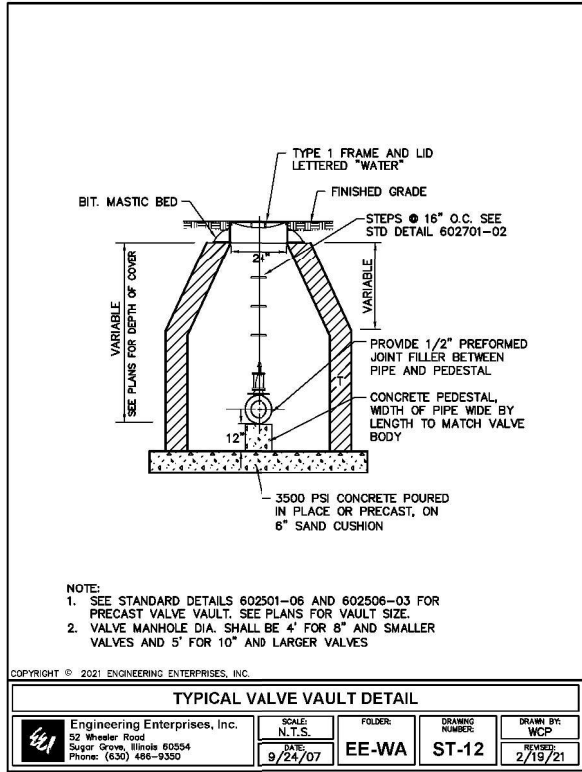
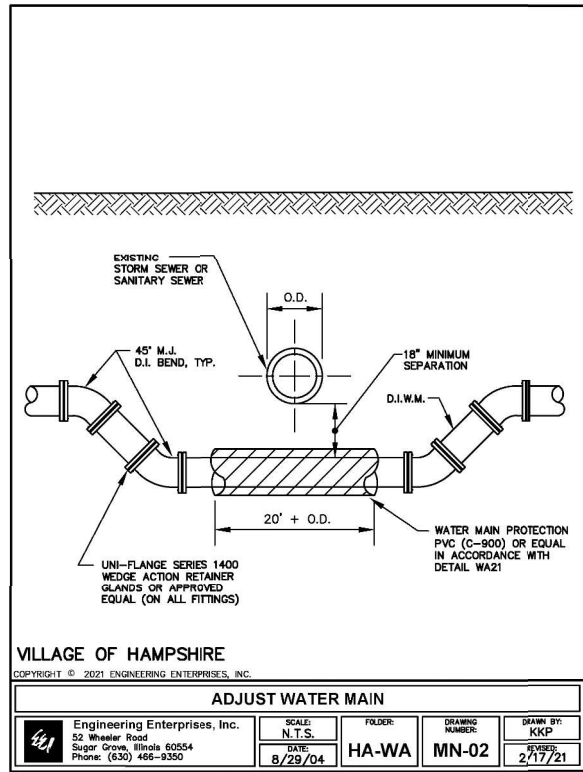
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION PLANS
PLAN AND PROFILE SHEETS
SCALE: 1"=20'
SHEET 4 OF 6 SHEETS
STA. 199+50 TO STA. 205+00

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 114 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

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| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | |
| | STRUCTURE NOTATION CHECKED | |
| | NOTE BOOK | |
| | NO. | |

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



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Engineering Enterprises, Inc.
 CONSULTING ENGINEERS
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700 / www.eeieeb.com

| | |
|------------|-------------|
| USER NAME | = JSchmidt |
| PLOT SCALE | = \$SCALE\$ |
| PLOT DATE | = 3/11/2021 |

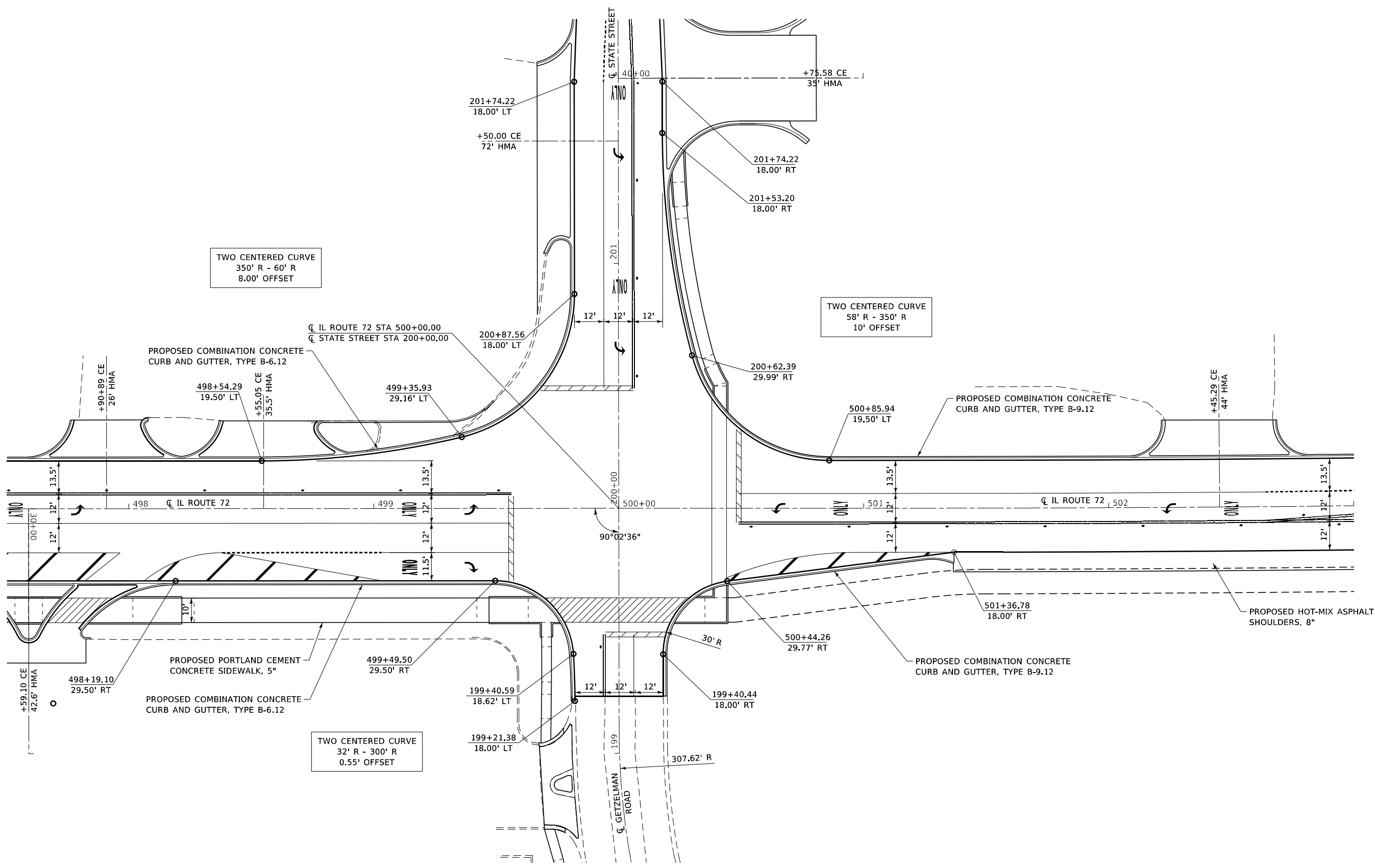
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| DESIGNED | - | REVISED | - |
| DRAWN | - | REVISED | - |
| CHECKED | - | REVISED | - |
| DATE | - | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

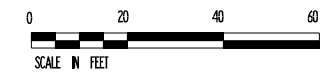
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|--------|---------------|
| SCALE: | 1"=20' |
| SHEET | 5 OF 6 SHEETS |
| STA. | TO STA. |

UTILITY RELOCATION PLANS
VILLAGE DETAILS

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 115 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |



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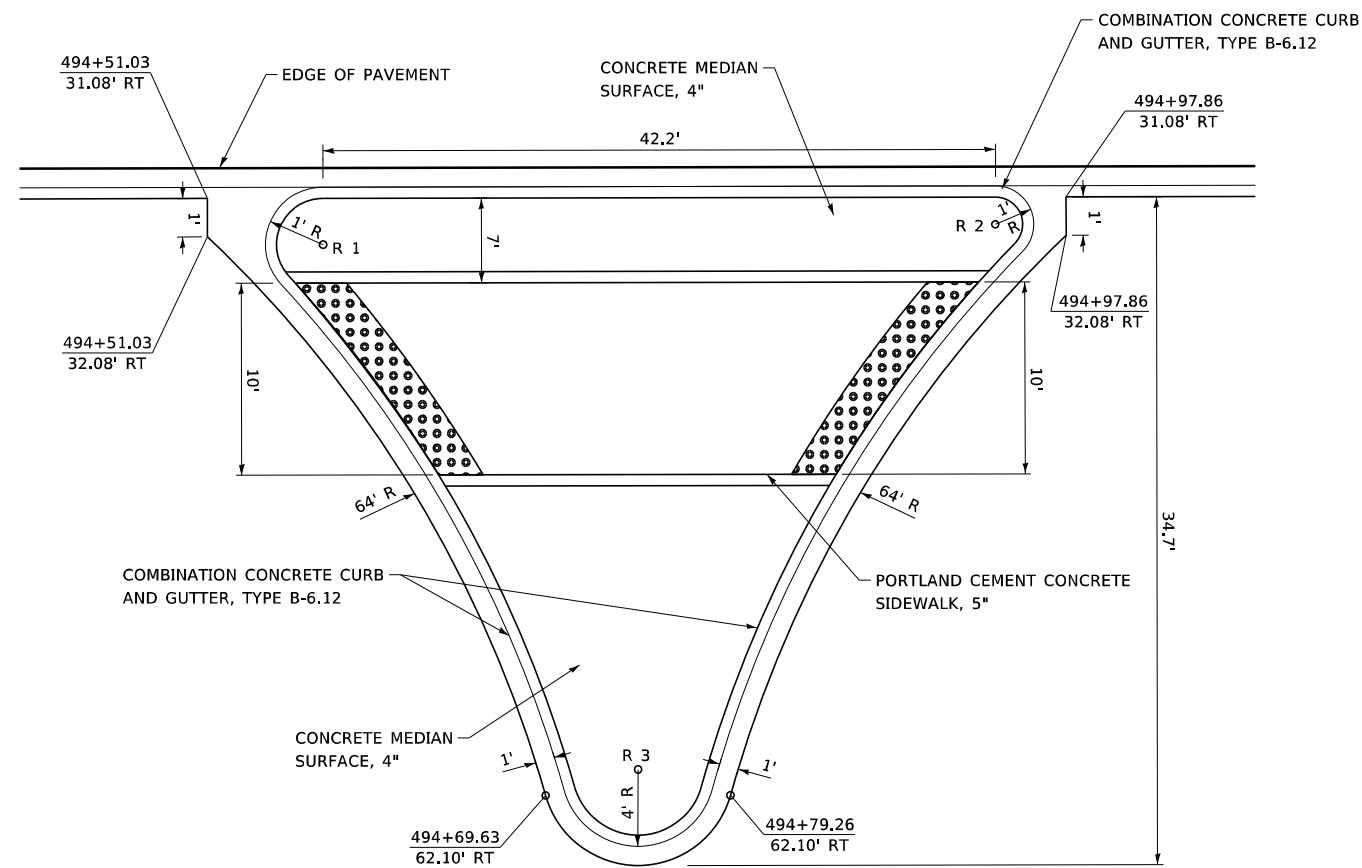


| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + INT DET 01 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | |
|--|---------------------|------------------------------|
| INTERSECTION DETAILS IL ROUTE 72 AND STATE STREET | | |
| SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | IL ROUTE 72 AND STATE STREET |

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 117 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |



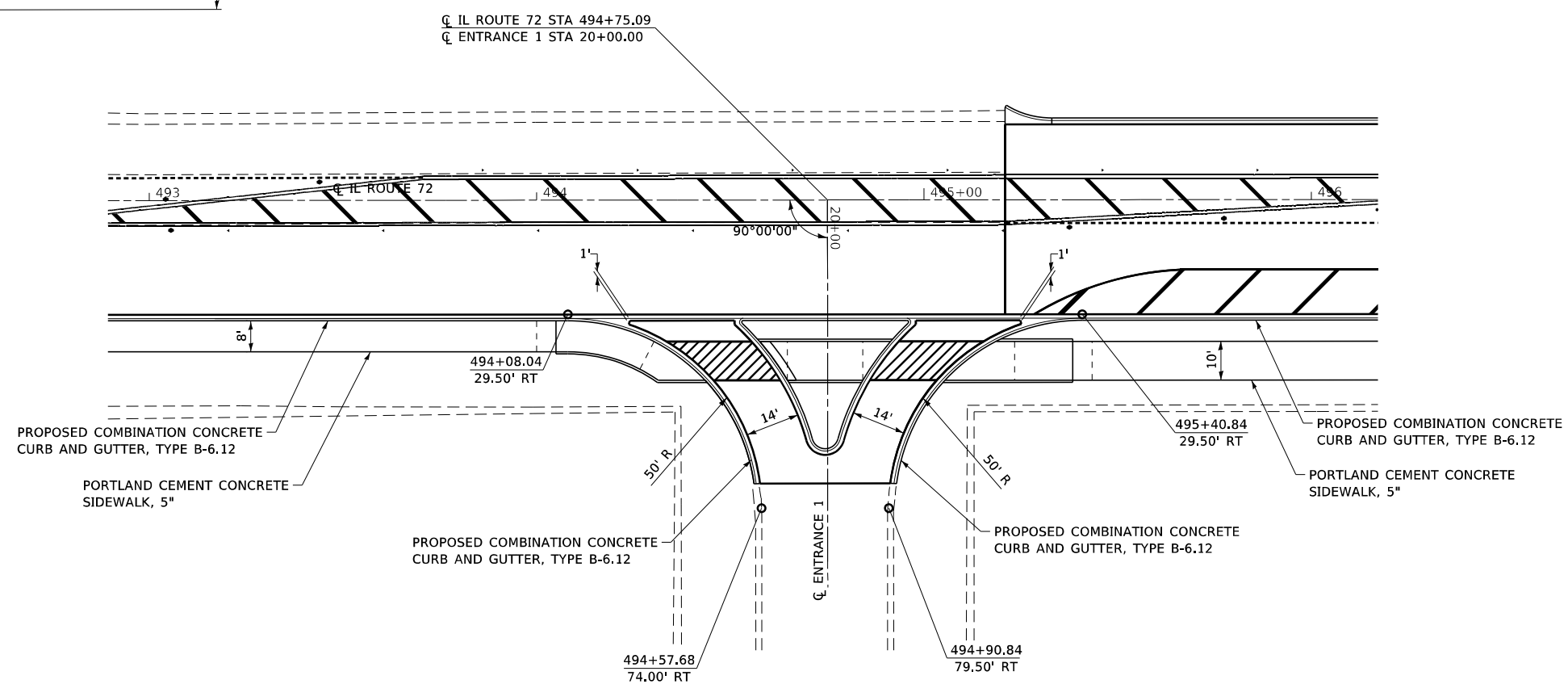
GROUND COORDINATES FOR ISLAND RADII

| | | |
|--------|-------------|--------------|
| CC R 1 | 930291.5129 | 1974803.1991 |
| CC R 2 | 930335.5736 | 1974803.2304 |
| CC R 3 | 930313.5671 | 1974769.6082 |

NOTE:
FOR ADA DETAILS, SEE CURB RAMP DETAIL SHEETS

ISLAND DETAIL

NOTE: ISLAND RADII ARE TO FACE OF CURB



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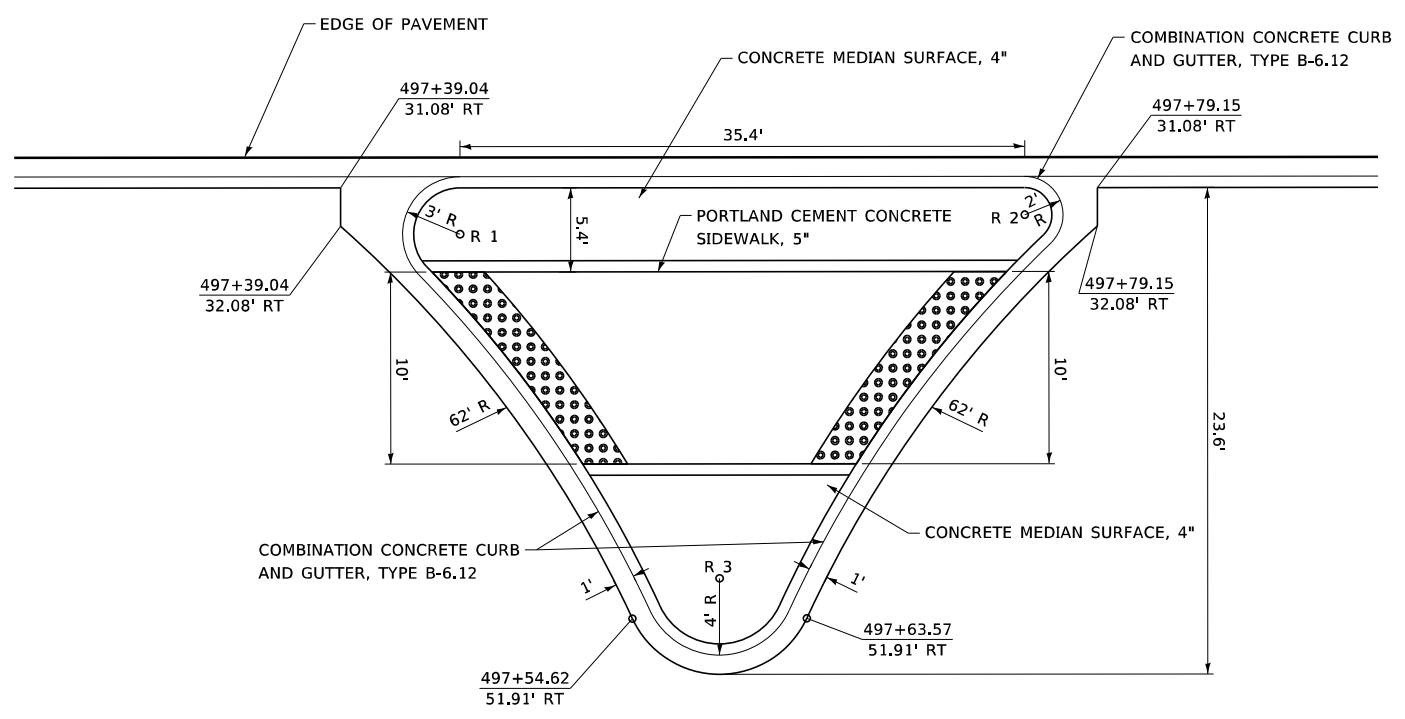


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| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + INT DET 02 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
IL ROUTE 72 AND COMMERCIAL ENTRANCE 1
SCALE: 1"=20'
SHEET 2 OF 3 SHEETS
IL ROUTE 72 AND COMMERCIAL ENTRANCE 1

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 118 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |



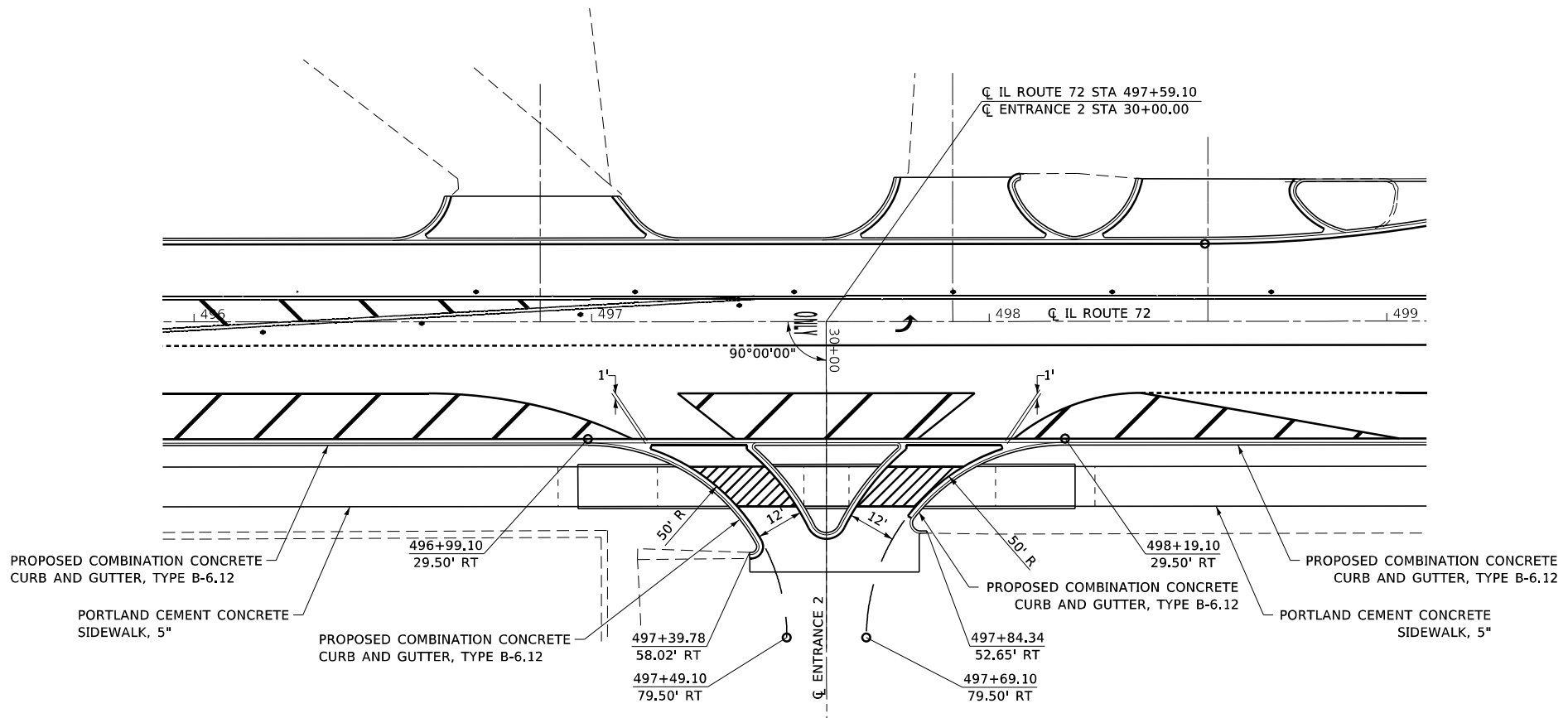
GROUND COORDINATES FOR ISLAND RADII

| | | |
|--------|-------------|--------------|
| CC R 1 | 930579.5916 | 1974803.3876 |
| CC R 2 | 930616.7984 | 1974803.4140 |
| CC R 3 | 930598.2110 | 1974780.8634 |

NOTE:
FOR ADA DETAILS, SEE CURB RAMP DETAIL SHEETS

ISLAND DETAIL

NOTE: ISLAND RADII ARE TO FACE OF CURB



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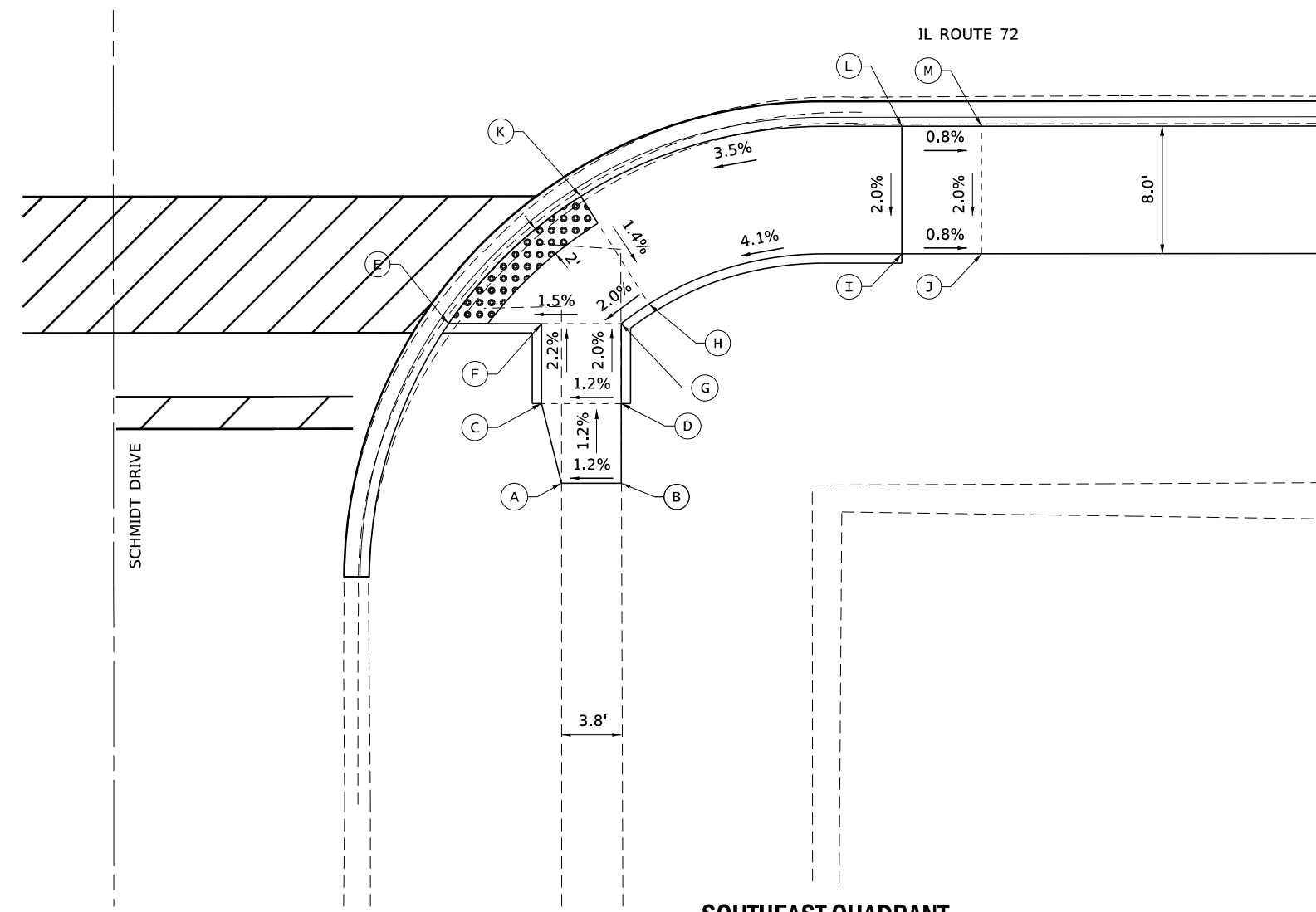
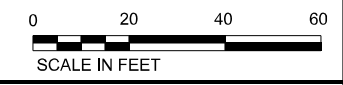
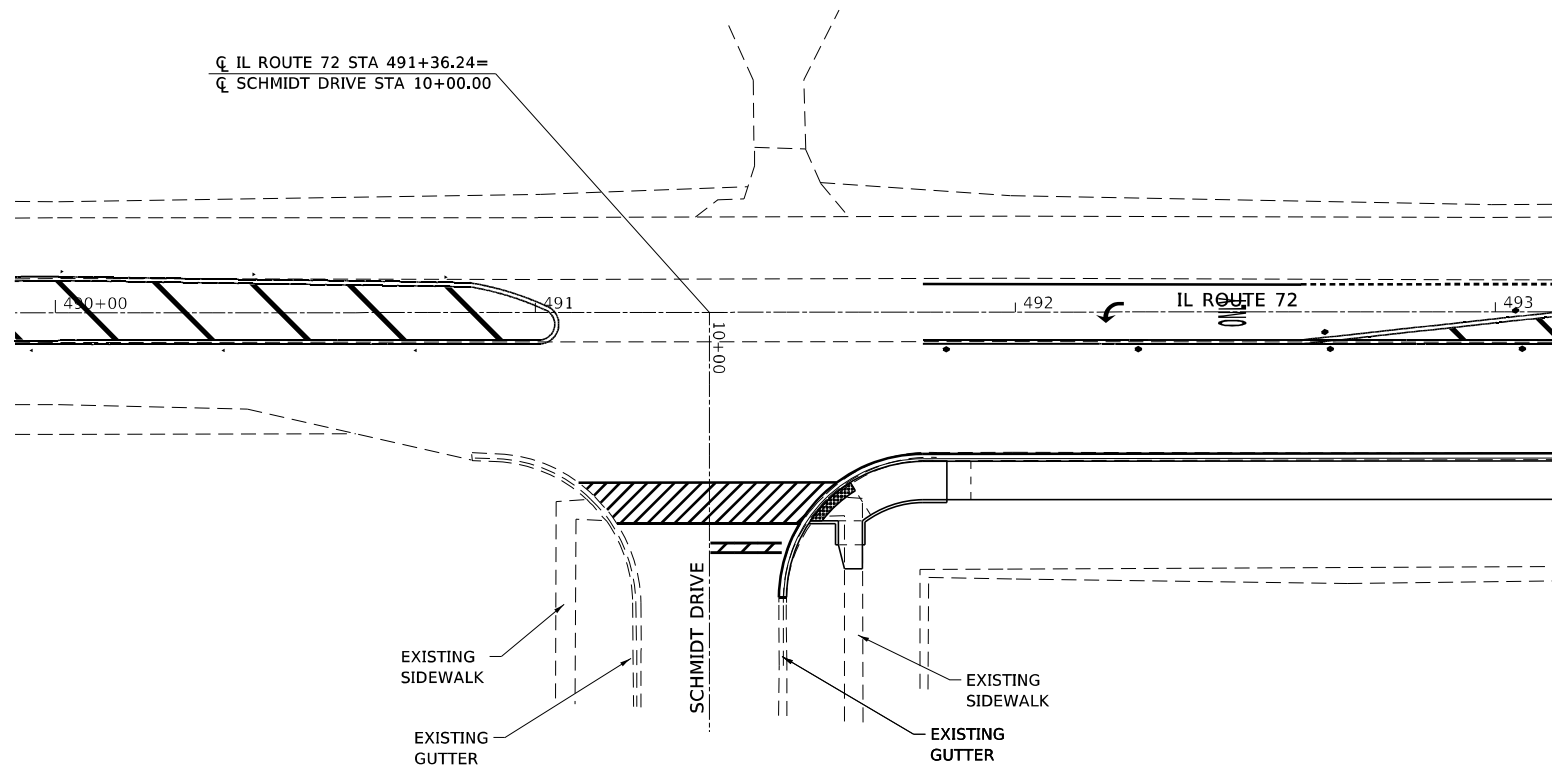
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| MODEL NAME | + INT DET 03 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
IL ROUTE 72 AND COMMERCIAL ENTRANCE 2

SCALE: 1"=20' SHEET 3 OF 3 SHEETS IL ROUTE 72 AND COMMERCIAL ENTRANCE 2

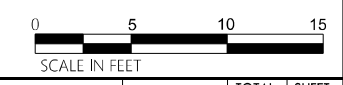
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 119 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |



SOUTHEAST QUADRANT



| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 491+64.34 | 53.45 RT | 911.43 |
| B | 491+68.08 | 53.46 RT | 911.49 |
| C | 491+63.08 | 48.45 RT | 911.37 |
| D | 491+68.10 | 48.44 RT | 911.43 |
| E | 491+57.26 | 43.45 RT | 911.17 |
| F | 491+63.09 | 43.45 RT | 911.26 |
| G | 491+68.08 | 43.45 RT | 911.33 |
| H | 491+69.83 | 42.22 RT | 911.27 |
| I | 491+85.71 | 39.08 RT | 912.05 |
| J | 491+90.70 | 39.08 RT | 912.01 |
| K | 491+65.56 | 35.46 RT | 911.48 |
| L | 491+85.71 | 31.08 RT | 912.21 |
| M | 491+90.70 | 31.08 RT | 912.17 |



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| | | | | | |
|------------|----------------------|----------|--------------|---------|---|
| USER NAME | + alawrence | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + 01 Schmidt Dr Ramp | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 20,0000 1 / in. | CHECKED | - BRM | REVISED | - |
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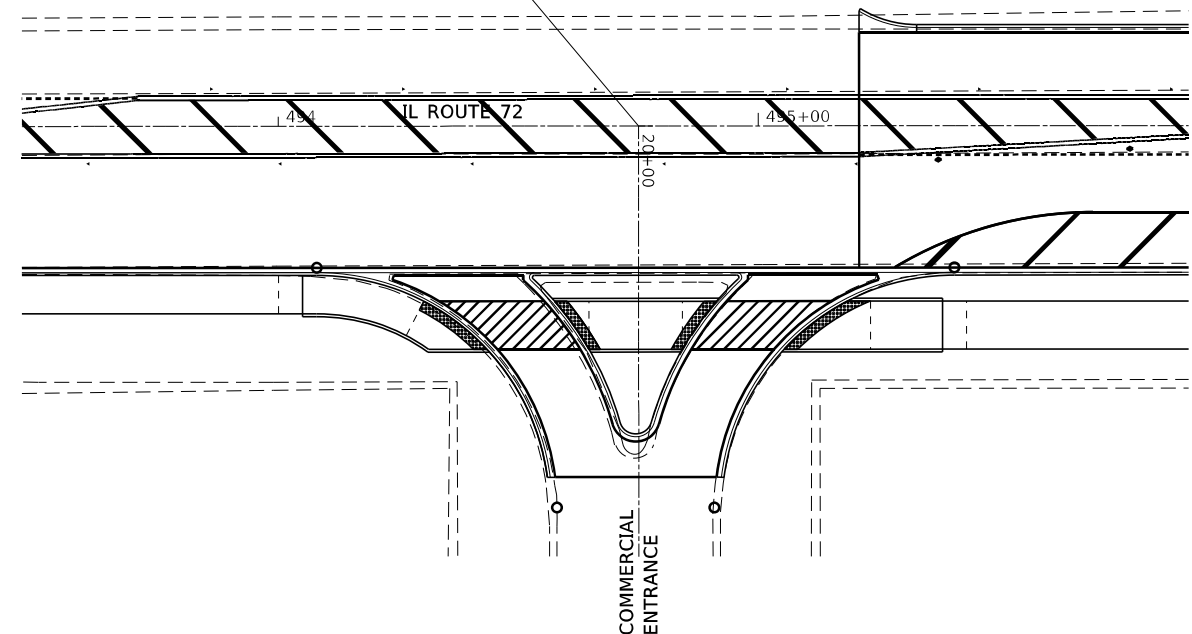
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|--|----------------------------------|
| CURB RAMP DETAILS IL ROUTE 72 AND SCHMIDT DRIVE | |
| SCALE: 1"=10' | SHEET 1 OF 6 SHEETS STA. TO STA. |

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 120 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

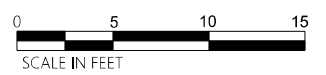
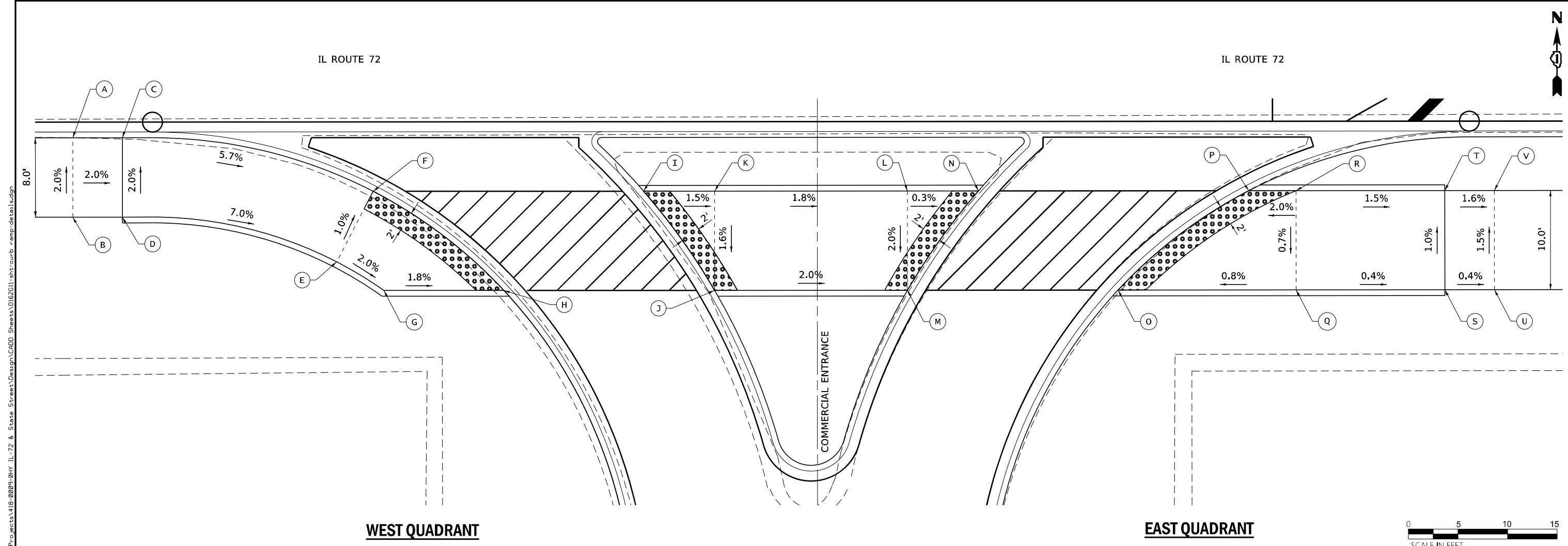


CL IL ROUTE 72 STA 494+75.09=
 CL COMMERCIAL ENTRANCE (WEST)
 STA 20+00.00



| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 494+00.00 | 31.08 RT | 909.49 |
| B | 494+00.00 | 39.09 RT | 909.65 |
| C | 494+05.00 | 31.08 RT | 909.39 |
| D | 494+05.00 | 39.09 RT | 909.55 |
| E | 494+26.60 | 43.60 RT | 907.98 |
| F | 494+30.30 | 36.50 RT | 907.90 |
| G | 494+31.36 | 46.50 RT | 907.87 |
| H | 494+43.47 | 46.50 RT | 907.65 |
| I | 494+57.56 | 36.50 RT | 907.30 |
| J | 494+64.70 | 46.50 RT | 907.03 |
| K | 494+65.70 | 46.50 RT | 907.19 |

| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| L | 494+83.20 | 46.50 RT | 906.84 |
| M | 494+84.20 | 46.50 RT | 906.64 |
| N | 494+91.30 | 36.50 RT | 906.82 |
| O | 495+05.40 | 46.50 RT | 906.30 |
| P | 495+18.60 | 36.50 RT | 906.42 |
| Q | 495+23.40 | 46.50 RT | 906.45 |
| R | 495+23.40 | 36.50 RT | 906.52 |
| S | 495+38.40 | 46.50 RT | 906.39 |
| T | 495+38.40 | 36.50 RT | 906.30 |
| U | 495+43.40 | 46.50 RT | 906.37 |
| V | 495+43.40 | 36.50 RT | 906.22 |



FILE NAME: S:\Projects\418-2009-04\IL-72 & State Street\Design\CADD_Sheets\0162G11-rht-curb_ramp-detail.dgn



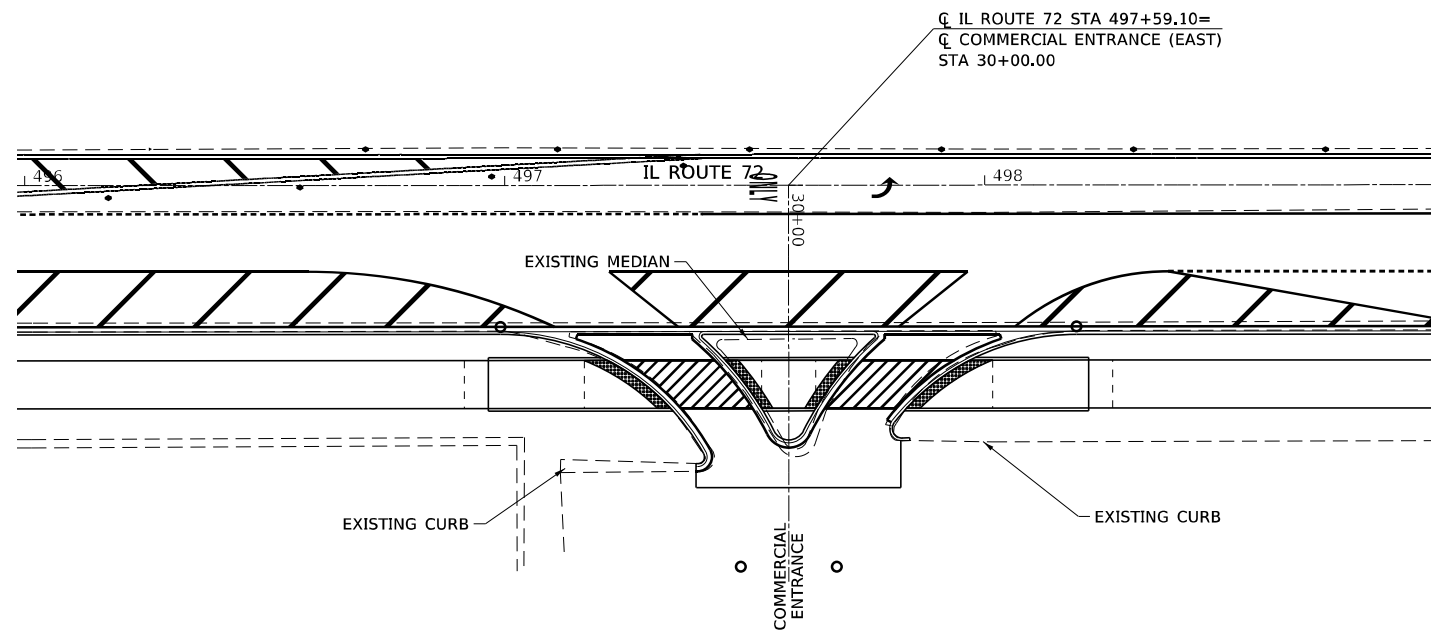
| | | | | | |
|------------|------------------------------|----------|--------------|---------|---|
| USER NAME | + alawrence | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + 02 West Right-In-Right out | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 20,0000 1 / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
 IL ROUTE 72 AND STATE STREET

SCALE: 1"=10' SHEET 2 OF 6 SHEETS STA. TO STA.

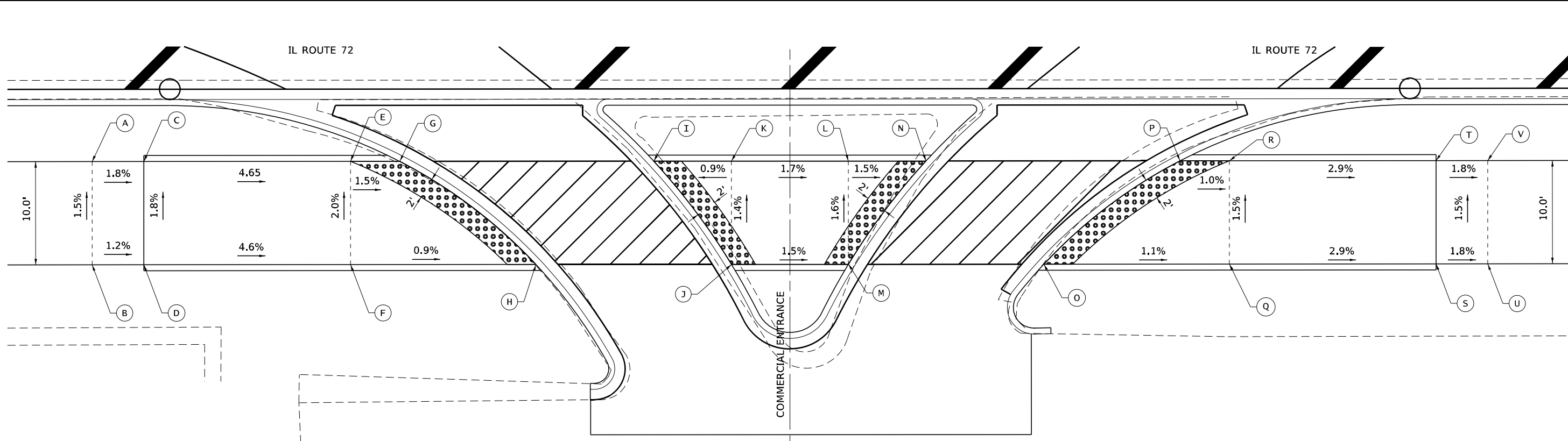
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|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 121 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |



Q IL ROUTE 72 STA 497+59.10=
 Q COMMERCIAL ENTRANCE (EAST)
 STA 30+00.00

| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 496+91.60 | 36.50 RT | 903.16 |
| B | 496+91.60 | 46.50 RT | 903.31 |
| C | 496+96.60 | 36.50 RT | 903.07 |
| D | 496+96.60 | 46.50 RT | 903.27 |
| E | 497+16.60 | 36.50 RT | 902.16 |
| F | 497+16.60 | 46.50 RT | 902.36 |
| G | 497+21.40 | 36.50 RT | 902.09 |
| H | 497+34.50 | 46.50 RT | 902.19 |
| I | 497+45.90 | 36.50 RT | 901.63 |
| J | 497+53.40 | 46.50 RT | 901.84 |
| K | 497+53.44 | 36.50 RT | 901.70 |

| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| L | 497+63.75 | 46.50 RT | 901.51 |
| M | 497+64.75 | 46.50 RT | 901.67 |
| N | 497+72.30 | 36.50 RT | 901.40 |
| O | 497+83.67 | 46.50 RT | 901.11 |
| P | 497+96.84 | 36.50 RT | 900.82 |
| Q | 498+01.60 | 46.50 RT | 900.92 |
| R | 498+01.60 | 36.50 RT | 900.77 |
| S | 498+21.60 | 46.50 RT | 900.35 |
| T | 498+21.60 | 36.50 RT | 900.20 |
| U | 498+26.62 | 46.50 RT | 900.26 |
| V | 498+26.60 | 36.50 RT | 900.11 |



WEST QUADRANT

EAST QUADRANT



FILE NAME: S:\Projects\418-2009\041-72 & State Street Design\CADD Sheets\0162G11-rht-curb_ramp-detail.dgn



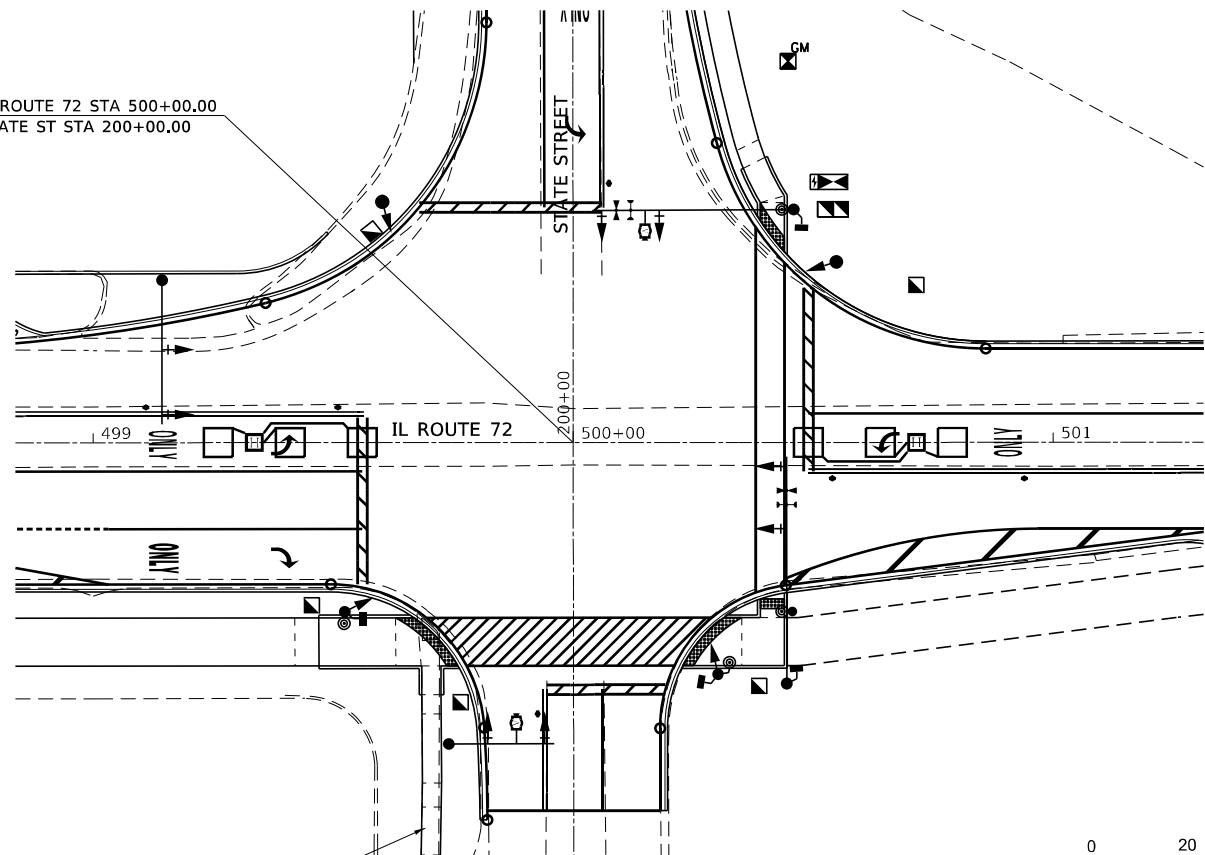
| | | | | | |
|------------|------------------------------|----------|--------------|---------|---|
| USER NAME | + alawrence | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + 03 East Right-In/Right out | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 20,0000 1' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|---------------------|------|---------|
| CURB RAMP DETAILS IL ROUTE 72 AND STATE STREET | | | |
| SCALE: 1"=10' | SHEET 3 OF 6 SHEETS | STA. | TO STA. |

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 122 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |

CL IL ROUTE 72 STA 500+00.00
CL STATE ST STA 200+00.00



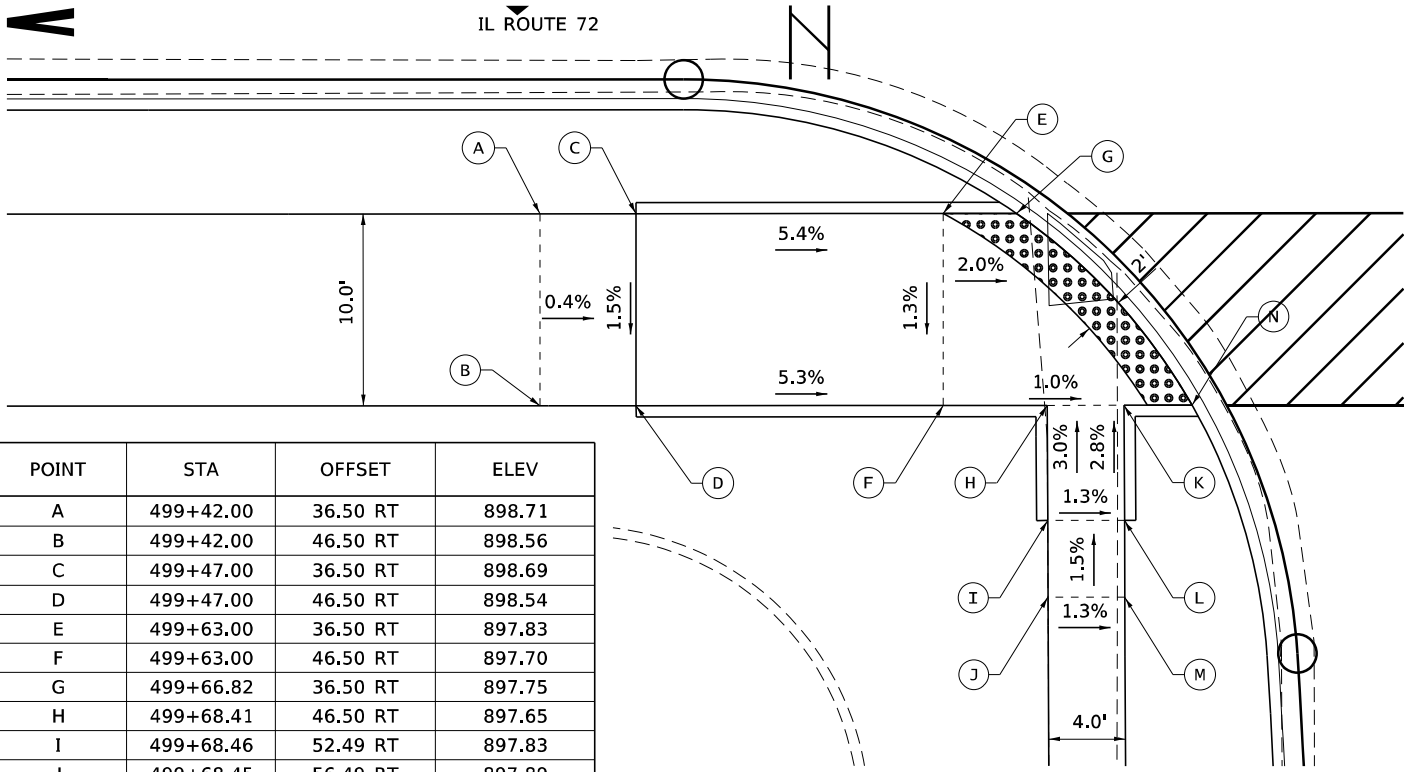
EXISTING SIDEWALK



STATE STREET

NORTHEAST QUADRANT

| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 200+39.71 | 44.05 RT | 897.46 |
| B | 200+46.14 | 39.06 RT | 897.41 |
| C | 200+49.90 | 39.07 RT | 897.48 |
| D | 200+49.87 | 44.07 RT | 897.56 |
| E | 200+51.29 | 44.07 RT | 897.58 |
| F | 200+57.08 | 35.54 RT | 897.85 |
| G | 200+59.29 | 40.04 RT | 897.90 |
| H | 200+60.84 | 34.18 RT | 897.93 |
| I | 200+63.07 | 38.72 RT | 897.96 |



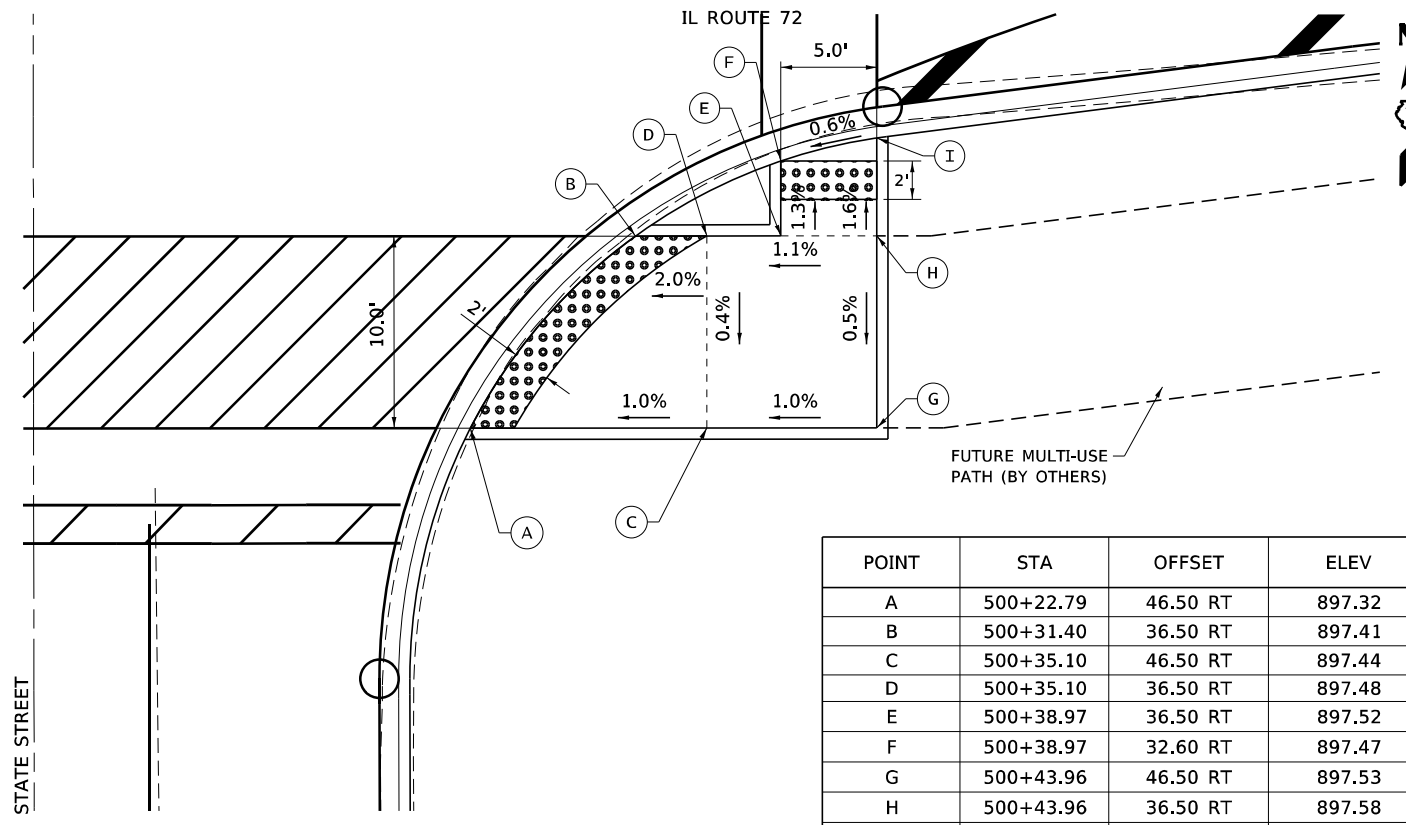
| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 499+42.00 | 36.50 RT | 898.71 |
| B | 499+42.00 | 46.50 RT | 898.56 |
| C | 499+47.00 | 36.50 RT | 898.69 |
| D | 499+47.00 | 46.50 RT | 898.54 |
| E | 499+63.00 | 36.50 RT | 897.83 |
| F | 499+63.00 | 46.50 RT | 897.70 |
| G | 499+66.82 | 36.50 RT | 897.75 |
| H | 499+68.41 | 46.50 RT | 897.65 |
| I | 499+68.46 | 52.49 RT | 897.83 |
| J | 499+68.45 | 56.49 RT | 897.89 |
| K | 499+72.41 | 46.50 RT | 897.61 |
| L | 499+72.43 | 52.49 RT | 897.78 |
| M | 499+72.45 | 56.49 RT | 897.84 |
| N | 499+75.96 | 46.50 RT | 897.57 |

SOUTHWEST QUADRANT



STATE STREET

SOUTHEAST QUADRANT



| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 500+22.79 | 46.50 RT | 897.32 |
| B | 500+31.40 | 36.50 RT | 897.41 |
| C | 500+35.10 | 46.50 RT | 897.44 |
| D | 500+35.10 | 36.50 RT | 897.48 |
| E | 500+38.97 | 36.50 RT | 897.52 |
| F | 500+38.97 | 32.60 RT | 897.47 |
| G | 500+43.96 | 46.50 RT | 897.53 |
| H | 500+43.96 | 36.50 RT | 897.58 |
| I | 500+43.96 | 31.40 RT | 897.50 |



FUTURE MULTI-USE PATH (BY OTHERS)

STATE STREET

FILE NAME: S:\Projects\418-20093-001\IL-72 & State Street\Design\CADD_Sheets\0162G11-shr-curb_ramp-detail.dgn



USER NAME = alawrence
MODEL NAME = 04 S.State Ramp
PLOT SCALE = 20,0000 1/ in.
PLOT DATE = 4/30/2021

DESIGNED - ESW
DRAWN - LEC
CHECKED - BRM
DATE - 11/25/2020

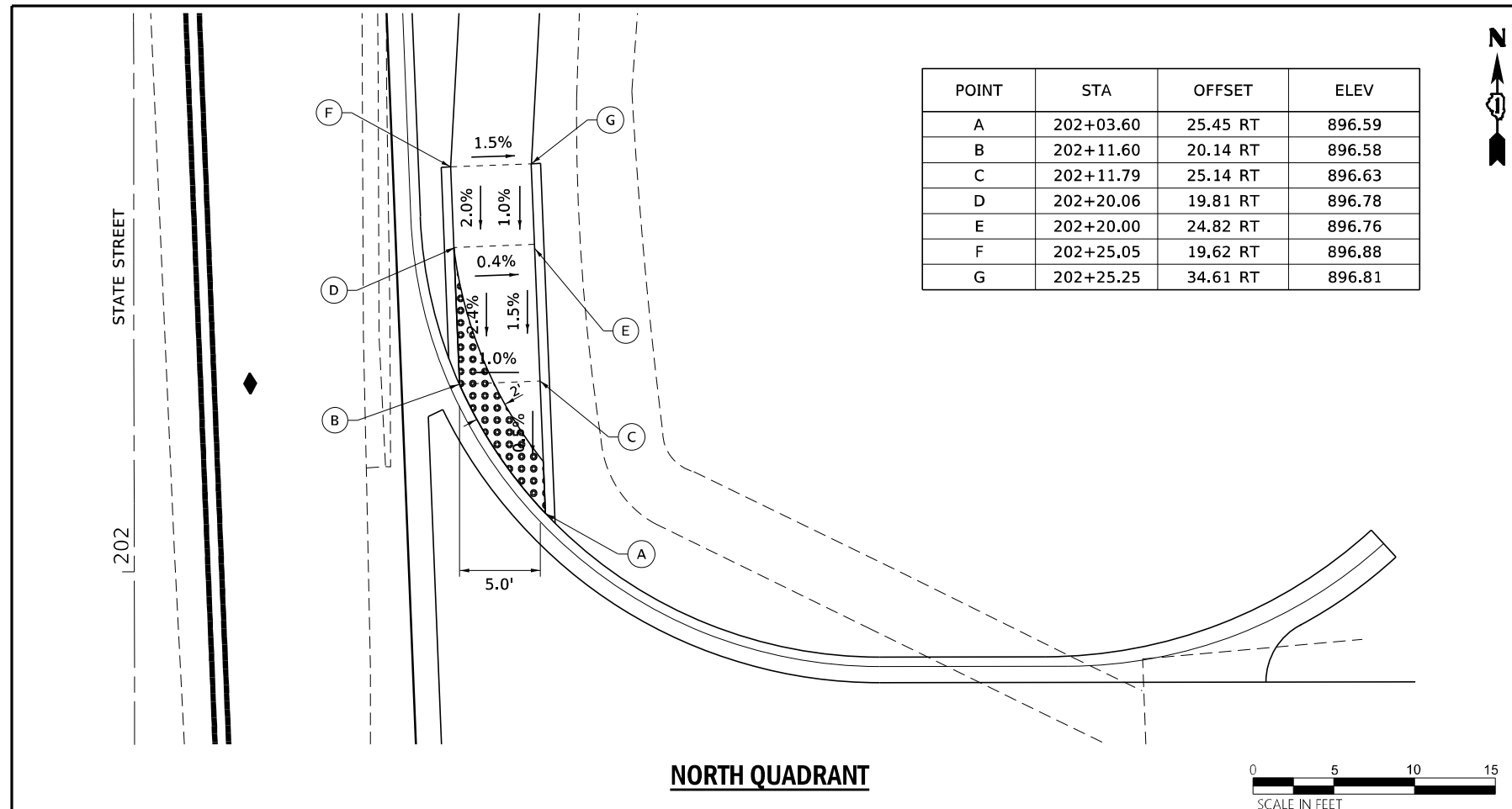
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
IL ROUTE 72 AND STATE STREET
SCALE: 1"=10'
SHEET 4 OF 6 SHEETS STA. TO STA.

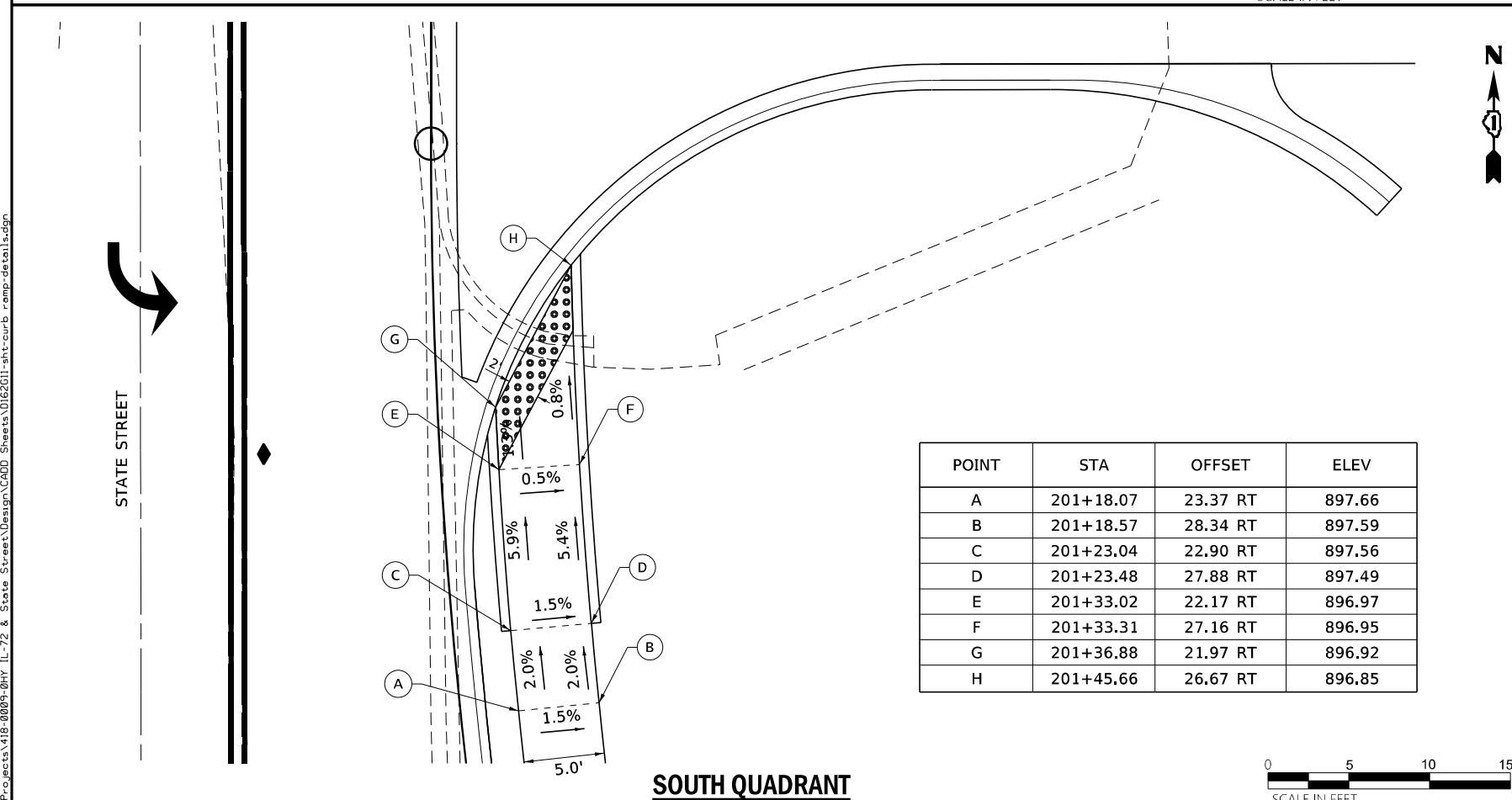
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|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 123 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

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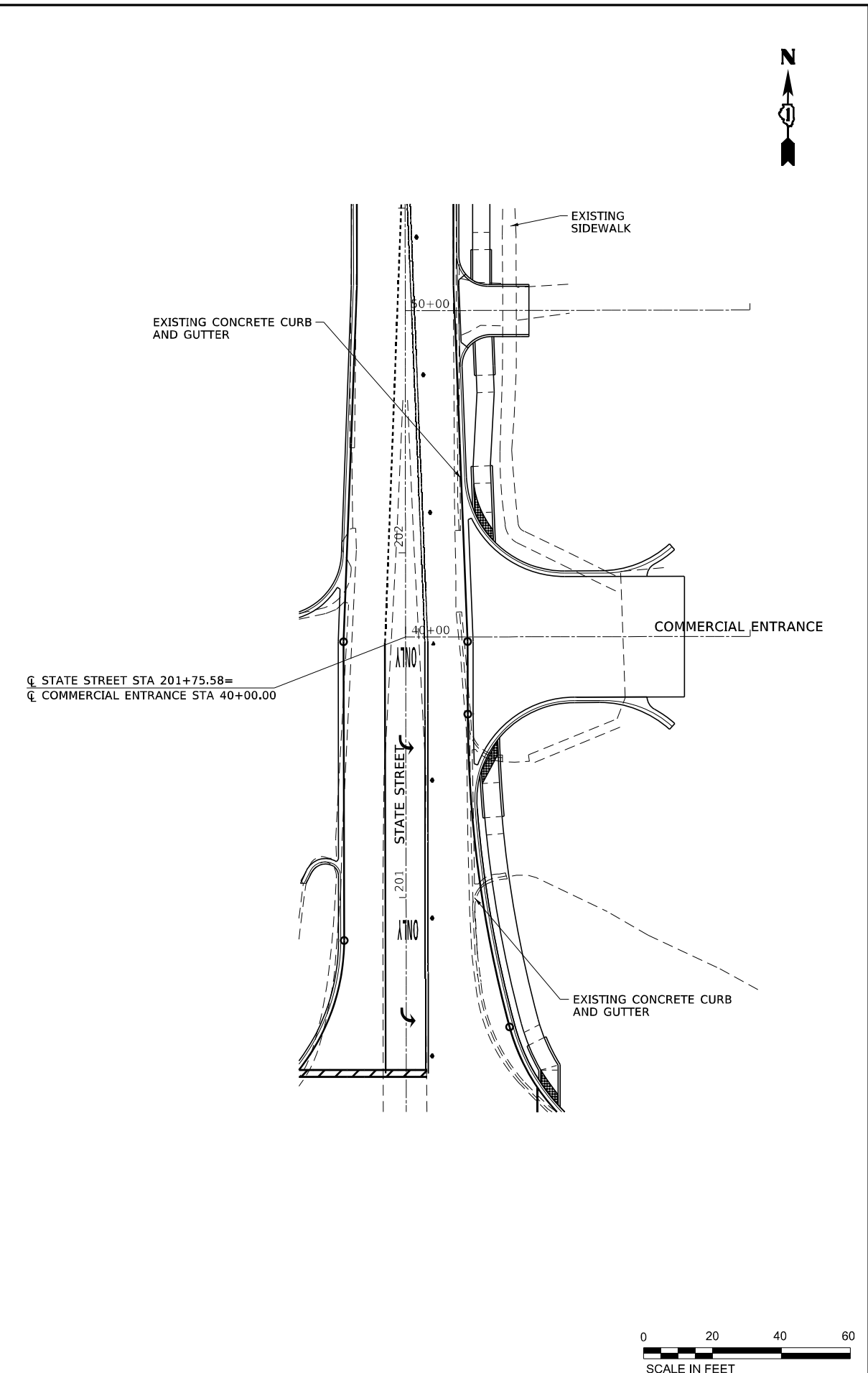
| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 202+03.60 | 25.45 RT | 896.59 |
| B | 202+11.60 | 20.14 RT | 896.58 |
| C | 202+11.79 | 25.14 RT | 896.63 |
| D | 202+20.06 | 19.81 RT | 896.78 |
| E | 202+20.00 | 24.82 RT | 896.76 |
| F | 202+25.05 | 19.62 RT | 896.88 |
| G | 202+25.25 | 34.61 RT | 896.81 |

NORTH QUADRANT



| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 201+18.07 | 23.37 RT | 897.66 |
| B | 201+18.57 | 28.34 RT | 897.59 |
| C | 201+23.04 | 22.90 RT | 897.56 |
| D | 201+23.48 | 27.88 RT | 897.49 |
| E | 201+33.02 | 22.17 RT | 896.97 |
| F | 201+33.31 | 27.16 RT | 896.95 |
| G | 201+36.88 | 21.97 RT | 896.92 |
| H | 201+45.66 | 26.67 RT | 896.85 |

SOUTH QUADRANT



☐ STATE STREET STA 201+75.58=
 ☐ COMMERCIAL ENTRANCE STA 40+00.00

**CURB RAMP DETAILS
IL ROUTE 72 AND STATE STREET**

SCALE: 1"=10' SHEET 5 OF 6 SHEETS STA. TO STA.



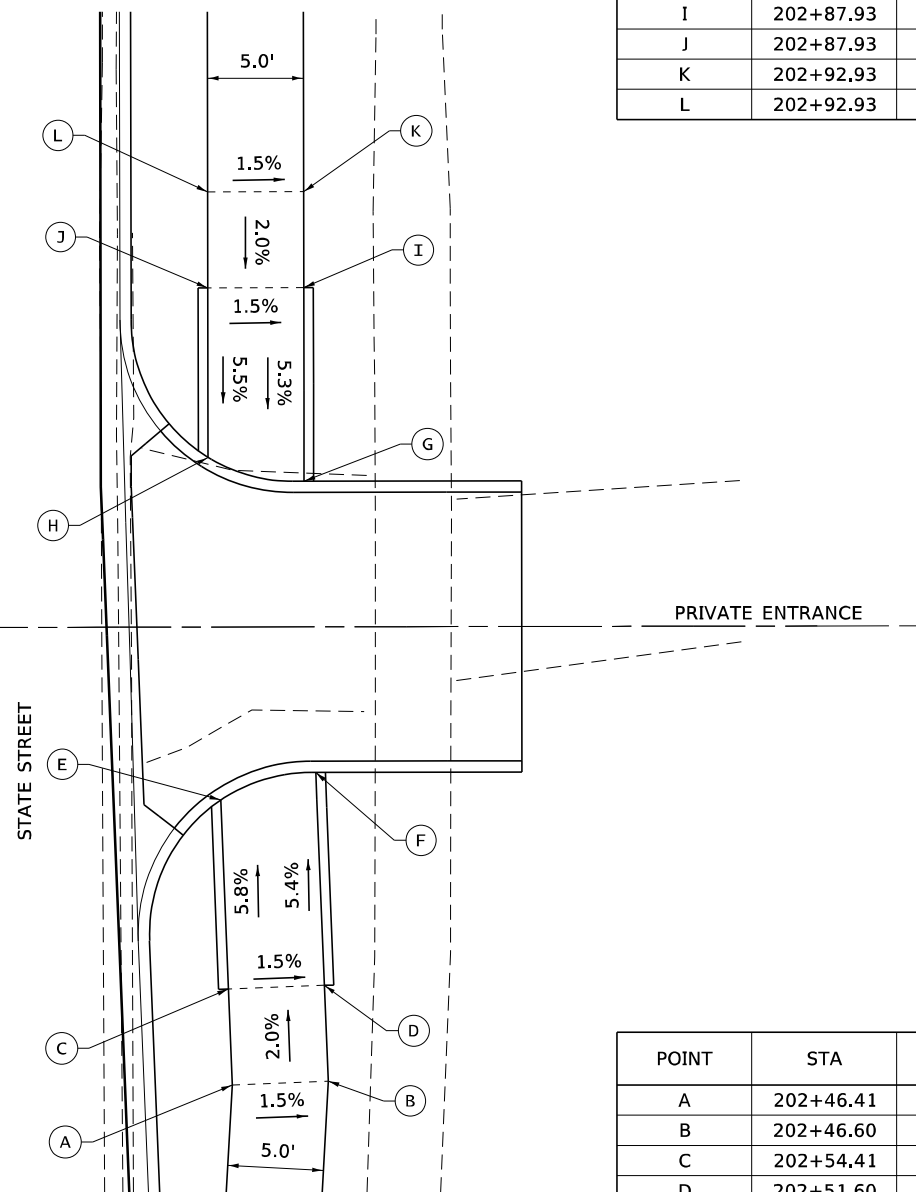
| | | | | | |
|------------|----------------------------|----------|--------------|---------|---|
| USER NAME | + alawrence | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + 05 S.Commercial Ent Ramp | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 20,0000 1 / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 124 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

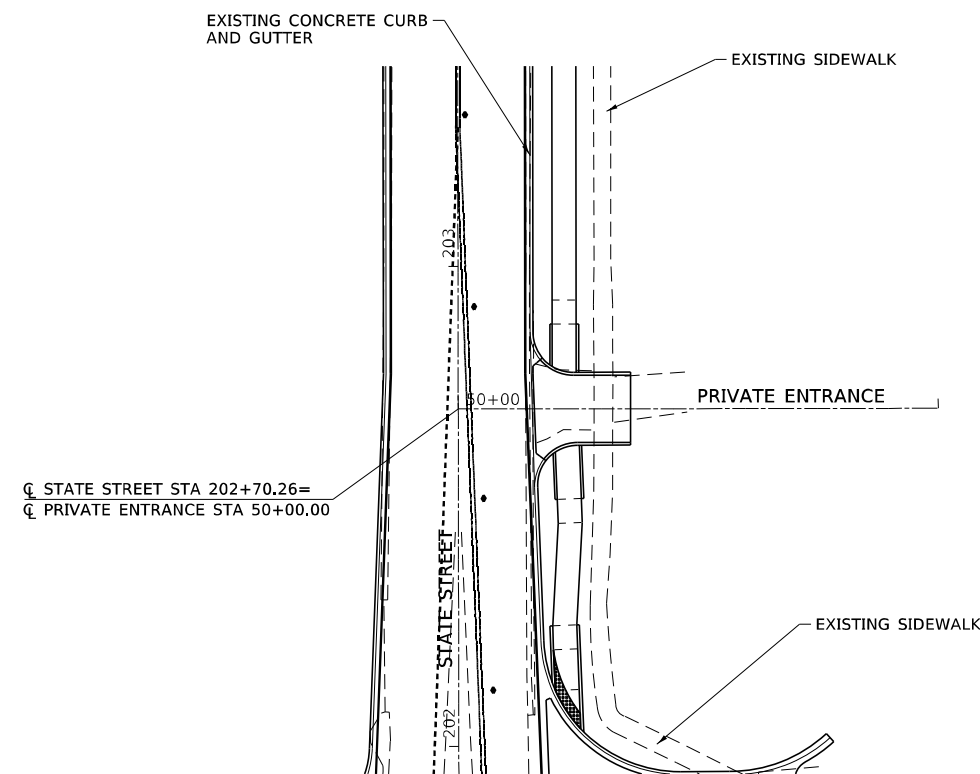


| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| G | 202+77.85 | 24.58 RT | 895.85 |
| H | 202+79.10 | 19.58 RT | 895.96 |
| I | 202+87.93 | 24.58 RT | 896.38 |
| J | 202+87.93 | 19.58 RT | 896.45 |
| K | 202+92.93 | 24.58 RT | 896.48 |
| L | 202+92.93 | 19.58 RT | 896.55 |



| POINT | STA | OFFSET | ELEV |
|-------|-----------|----------|--------|
| A | 202+46.41 | 20.79 RT | 896.68 |
| B | 202+46.60 | 25.79 RT | 896.61 |
| C | 202+54.41 | 20.60 RT | 896.58 |
| D | 202+51.60 | 25.60 RT | 896.51 |
| E | 202+61.25 | 20.22 RT | 896.01 |
| F | 202+62.68 | 25.17 RT | 895.88 |

NORTH PRIVATE ENTRANCE



FILE NAME: S:\Projects\418-0009\0HY_IL-72 & State Street\Design\CADD_Sheets\0162011-shr-curb_ramp-detail.dgn



| | | | | | |
|------------|-----------------------|----------|--------------|---------|---|
| USER NAME | + alawrence | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + 06 Private Ent Ramp | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 20,0000 1 / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS
PRIVATE ENTRANCE**

SCALE: 1"=10' SHEET 6 OF 6 SHEETS STA. TO STA.

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 125 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

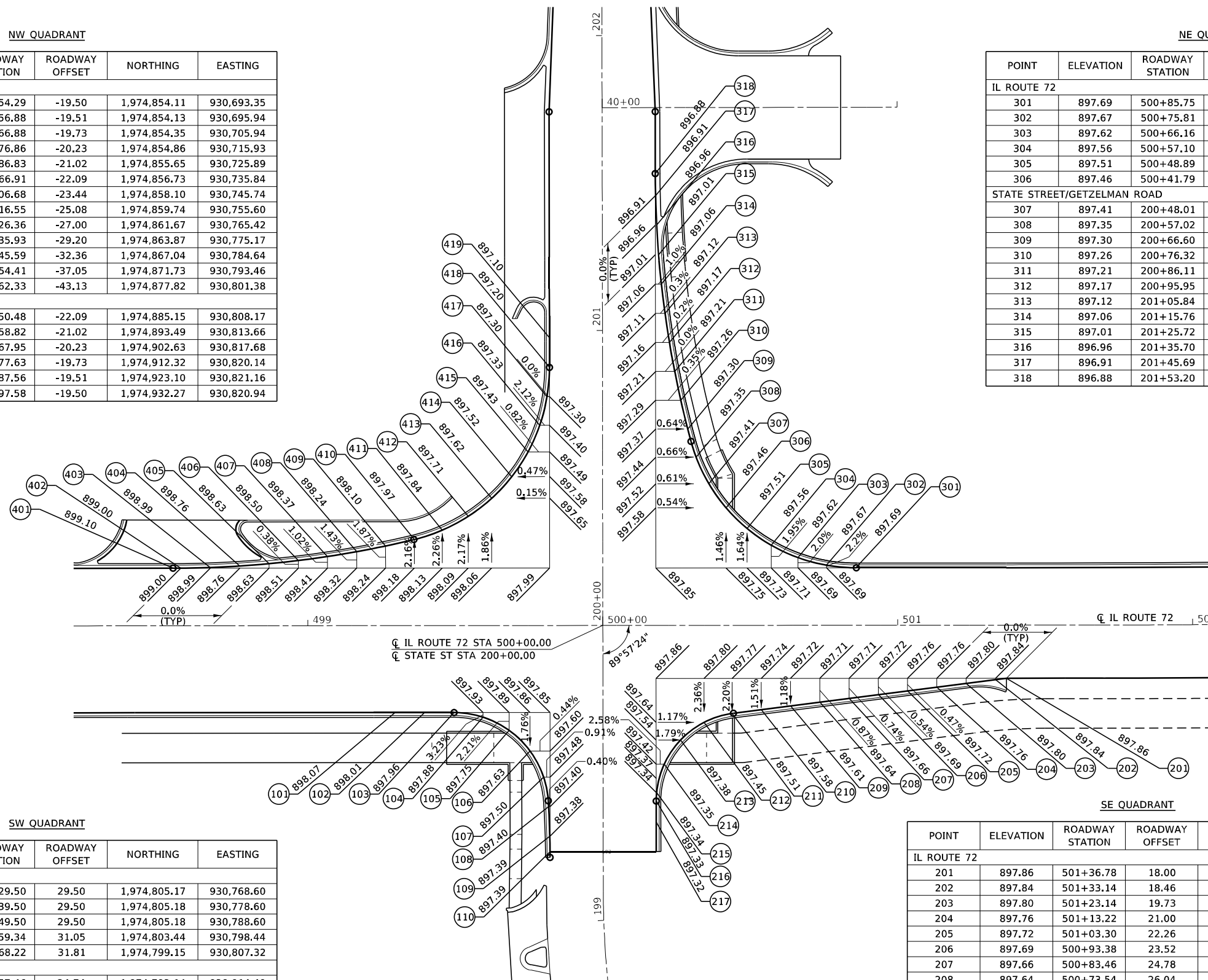


NW QUADRANT

| POINT | ELEVATION | ROADWAY STATION | ROADWAY OFFSET | NORTHING | EASTING |
|------------------------------------|-----------|-----------------|----------------|--------------|------------|
| IL ROUTE 72 | | | | | |
| 401 | 899.10 | 498+54.29 | -19.50 | 1,974,854.11 | 930,693.35 |
| 402 | 899.00 | 498+56.88 | -19.51 | 1,974,854.13 | 930,695.94 |
| 403 | 898.99 | 498+66.88 | -19.73 | 1,974,854.35 | 930,705.94 |
| 404 | 898.76 | 498+76.86 | -20.23 | 1,974,854.86 | 930,715.93 |
| 405 | 898.63 | 498+86.83 | -21.02 | 1,974,855.65 | 930,725.89 |
| 406 | 898.50 | 498+86.91 | -22.09 | 1,974,856.73 | 930,735.84 |
| 407 | 898.37 | 499+06.68 | -23.44 | 1,974,858.10 | 930,745.74 |
| 408 | 898.24 | 499+16.55 | -25.08 | 1,974,859.74 | 930,755.60 |
| 409 | 898.10 | 499+26.36 | -27.00 | 1,974,861.67 | 930,765.42 |
| 410 | 897.97 | 499+35.93 | -29.20 | 1,974,863.87 | 930,775.17 |
| 411 | 897.84 | 499+45.59 | -32.36 | 1,974,867.04 | 930,784.64 |
| 412 | 897.71 | 499+54.41 | -37.05 | 1,974,871.73 | 930,793.46 |
| 413 | 897.62 | 499+62.33 | -43.13 | 1,974,877.82 | 930,801.38 |
| STATE STREET/GETZELMAN ROAD | | | | | |
| 414 | 897.52 | 200+50.48 | -22.09 | 1,974,885.15 | 930,808.17 |
| 415 | 897.43 | 200+58.82 | -21.02 | 1,974,893.49 | 930,813.66 |
| 416 | 897.33 | 200+67.95 | -20.23 | 1,974,902.63 | 930,817.68 |
| 417 | 897.30 | 200+77.63 | -19.73 | 1,974,912.32 | 930,820.14 |
| 418 | 897.20 | 200+87.56 | -19.51 | 1,974,923.10 | 930,821.16 |
| 419 | 897.10 | 200+97.58 | -19.50 | 1,974,932.27 | 930,820.94 |

NE QUADRANT

| POINT | ELEVATION | ROADWAY STATION | ROADWAY OFFSET | NORTHING | EASTING |
|------------------------------------|-----------|-----------------|----------------|--------------|------------|
| IL ROUTE 72 | | | | | |
| 301 | 897.69 | 500+85.75 | 19.50 | 1,974,854.28 | 930,925.01 |
| 302 | 897.67 | 500+75.81 | 20.39 | 1,974,855.16 | 930,914.87 |
| 303 | 897.62 | 500+66.16 | 22.98 | 1,974,857.74 | 930,905.22 |
| 304 | 897.56 | 500+57.10 | 27.18 | 1,974,861.94 | 930,896.16 |
| 305 | 897.51 | 500+48.89 | 32.88 | 1,974,867.63 | 930,887.95 |
| 306 | 897.46 | 500+41.79 | 39.89 | 1,974,875.63 | 930,880.84 |
| STATE STREET/GETZELMAN ROAD | | | | | |
| 307 | 897.41 | 200+48.01 | 36.02 | 1,974,882.77 | 930,875.03 |
| 308 | 897.35 | 200+57.02 | 31.72 | 1,974,891.77 | 930,870.71 |
| 309 | 897.30 | 200+66.60 | 28.88 | 1,974,901.36 | 930,867.87 |
| 310 | 897.26 | 200+76.32 | 26.55 | 1,974,911.07 | 930,865.52 |
| 311 | 897.21 | 200+86.11 | 24.49 | 1,974,920.86 | 930,863.44 |
| 312 | 897.17 | 200+95.95 | 22.71 | 1,974,930.70 | 930,861.65 |
| 313 | 897.12 | 201+05.84 | 21.22 | 1,974,940.58 | 930,860.14 |
| 314 | 897.06 | 201+15.76 | 20.01 | 1,974,928.81 | 930,887.04 |
| 315 | 897.01 | 201+25.72 | 19.08 | 1,974,960.46 | 930,857.98 |
| 316 | 896.96 | 201+35.70 | 18.44 | 1,974,970.44 | 930,857.32 |
| 317 | 896.91 | 201+45.69 | 18.07 | 1,974,980.43 | 930,856.95 |
| 318 | 896.88 | 201+53.20 | 18.00 | 1,974,987.94 | 930,856.86 |



SW QUADRANT

| POINT | ELEVATION | ROADWAY STATION | ROADWAY OFFSET | NORTHING | EASTING |
|------------------------------------|-----------|-----------------|----------------|--------------|------------|
| IL ROUTE 72 | | | | | |
| 101 | 898.07 | 499+29.50 | 29.50 | 1,974,805.17 | 930,768.60 |
| 102 | 898.01 | 499+39.50 | 29.50 | 1,974,805.18 | 930,778.60 |
| 103 | 897.96 | 499+49.50 | 29.50 | 1,974,805.18 | 930,788.60 |
| 104 | 897.88 | 499+59.34 | 31.05 | 1,974,803.44 | 930,798.44 |
| 105 | 897.75 | 499+68.22 | 31.81 | 1,974,799.15 | 930,807.32 |
| STATE STREET/GETZELMAN ROAD | | | | | |
| 106 | 897.63 | 199+57.46 | 24.74 | 1,974,792.14 | 930,814.40 |
| 107 | 897.50 | 199+48.61 | 20.17 | 1,974,783.29 | 930,818.98 |
| 108 | 897.40 | 199+38.61 | 18.50 | 1,974,773.30 | 930,820.67 |
| 109 | 897.39 | 199+28.62 | 18.09 | 1,974,763.30 | 930,821.10 |
| 110 | 897.39 | 199+23.35 | 18.00 | 1,974,758.03 | 930,821.19 |

SE QUADRANT

| POINT | ELEVATION | ROADWAY STATION | ROADWAY OFFSET | NORTHING | EASTING |
|------------------------------------|-----------|-----------------|----------------|--------------|------------|
| IL ROUTE 72 | | | | | |
| 201 | 897.86 | 501+36.78 | 18.00 | 1,974,816.82 | 930,857.21 |
| 202 | 897.84 | 501+33.14 | 18.46 | 1,974,816.35 | 930,972.23 |
| 203 | 897.80 | 501+23.14 | 19.73 | 1,974,815.07 | 930,962.23 |
| 204 | 897.76 | 501+13.22 | 21.00 | 1,974,813.80 | 930,952.31 |
| 205 | 897.72 | 501+03.30 | 22.26 | 1,974,812.53 | 930,942.40 |
| 206 | 897.69 | 500+93.38 | 23.52 | 1,974,811.31 | 930,932.63 |
| 207 | 897.66 | 500+83.46 | 24.78 | 1,974,810.01 | 930,922.57 |
| 208 | 897.64 | 500+73.54 | 26.04 | 1,974,808.73 | 930,912.64 |
| 209 | 897.61 | 500+63.62 | 27.30 | 1,974,807.46 | 930,902.72 |
| 210 | 897.58 | 500+53.70 | 28.57 | 1,974,806.19 | 930,892.80 |
| 211 | 897.51 | 500+43.78 | 29.83 | 1,974,804.92 | 930,882.88 |
| 212 | 897.45 | 500+34.30 | 32.86 | 1,974,801.85 | 930,873.41 |
| STATE STREET/GETZELMAN ROAD | | | | | |
| 213 | 897.38 | 199+61.16 | 26.30 | 1,974,795.90 | 930,865.45 |
| 214 | 897.35 | 199+52.92 | 20.72 | 1,974,787.65 | 930,859.87 |
| 215 | 897.34 | 199+43.31 | 18.14 | 1,974,778.02 | 930,857.30 |
| 216 | 897.33 | 199+40.44 | 18.00 | 1,974,775.09 | 930,857.21 |
| 217 | 897.32 | 199+33.31 | 18.00 | 1,974,780.11 | 930,889.19 |



FILE NAME: S:\P\Projects\418-2009\04-IL-72 & State Street\Design\CADD_Sheets\0162011-1-PavementElev.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + 01 Pave Elev | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/30/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

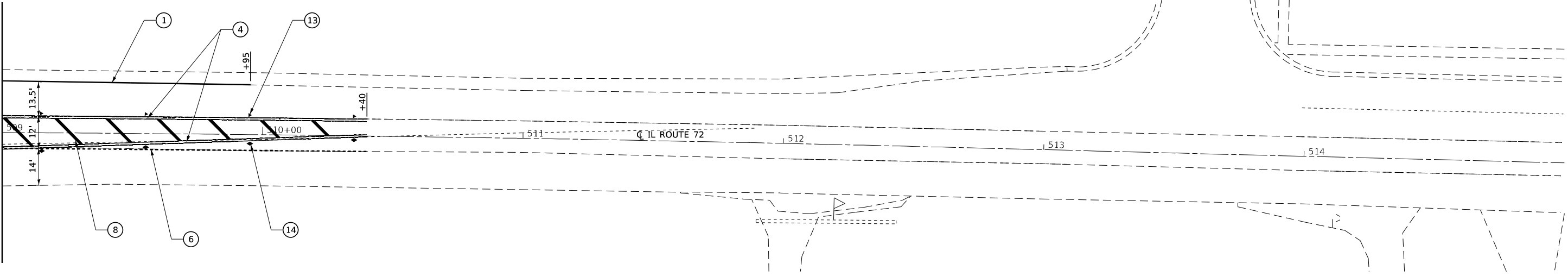
PAVEMENT ELEVATION DETAILS
IL ROUTE 72 AND STATE STREET

SCALE(S)=20 SHEET 1 OF 2 SHEETS STA. TO STA.

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 126 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(G49) | | | | |



MATCH LINE STA 509+00.00



LEGEND

- | | |
|--|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - 4" SOLID WHITE ② THERMOPLASTIC PAVEMENT MARKING - 4" SOLID YELLOW ③ THERMOPLASTIC PAVEMENT MARKING - 4" SKIP DASH WHITE ④ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW ⑤ THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE ⑥ THERMOPLASTIC PAVEMENT MARKING - 6" SKIP DASH WHITE (2'-6') ⑦ THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW ⑧ THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY ON 40' CENTERS ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY ON 80' CENTERS ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY ON 40' CENTERS ⑭ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY ON 40' CENTERS ⑮ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY ON 80' CENTERS |
|--|---|

FILE NAME: S:\Projects\418-0009-0HY_IL-72 & State Street Design\CADD_Sheets\0162011-shr-PMK.dgn



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| MODEL NAME = PMK2 | DRAWN - LEC | REVISED - |
| PLOT SCALE = 40.0000' / In. | CHECKED - BRM | REVISED - |
| PLOT DATE = 4/30/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

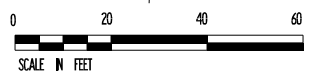
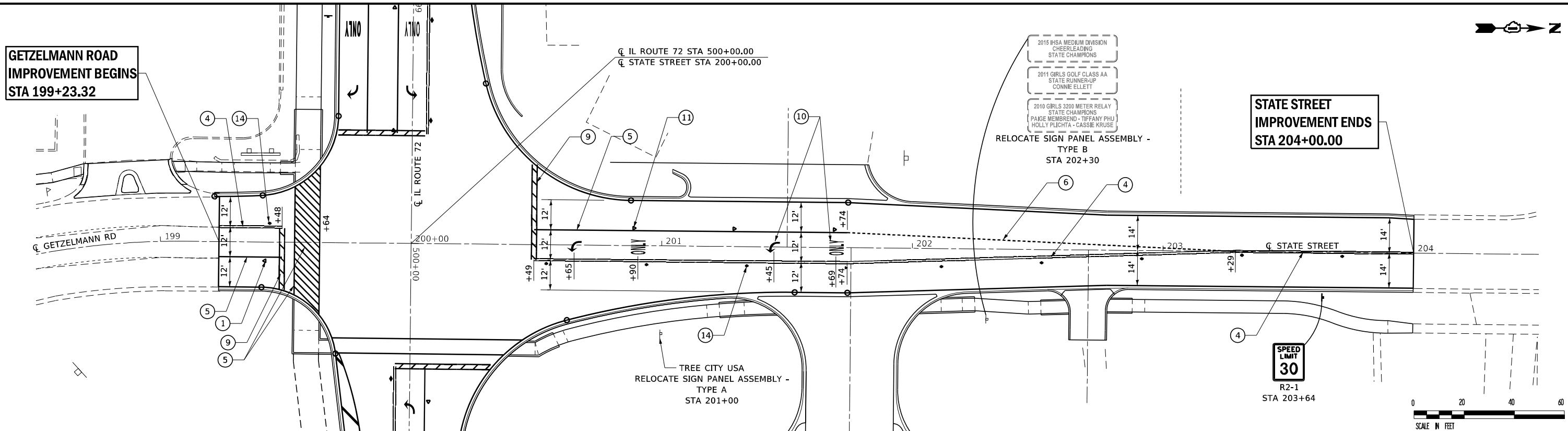
| | | |
|---|---------------------|--|
| PAVEMENT MARKING AND SIGNING PLANS | | |
| IL ROUTE 72 | | |
| SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STATION 509+00.00 TO STATION 514+00.00 |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 130 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K46(S149) | | | | |



**GETZELMANN ROAD
IMPROVEMENT BEGINS
STA 199+23.32**

**STATE STREET
IMPROVEMENT ENDS
STA 204+00.00**



LEGEND

- | | |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING - 4" SOLID WHITE | ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE |
| ② THERMOPLASTIC PAVEMENT MARKING - 4" SOLID YELLOW | ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ③ THERMOPLASTIC PAVEMENT MARKING - 4" SKIP DASH WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY ON 40' CENTERS |
| ④ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY ON 80' CENTERS |
| ⑤ THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY ON 40' CENTERS |
| ⑥ THERMOPLASTIC PAVEMENT MARKING - 6" SKIP DASH WHITE (2'-6') | ⑭ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY ON 40' CENTERS |
| ⑦ THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW | ⑮ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY ON 80' CENTERS |
| ⑧ THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE | |

FILE NAME: S:\Projects\418-2009-04Y IL-72 & State Street Design\CADD Sheets\0162011-shr-PMK.dgn

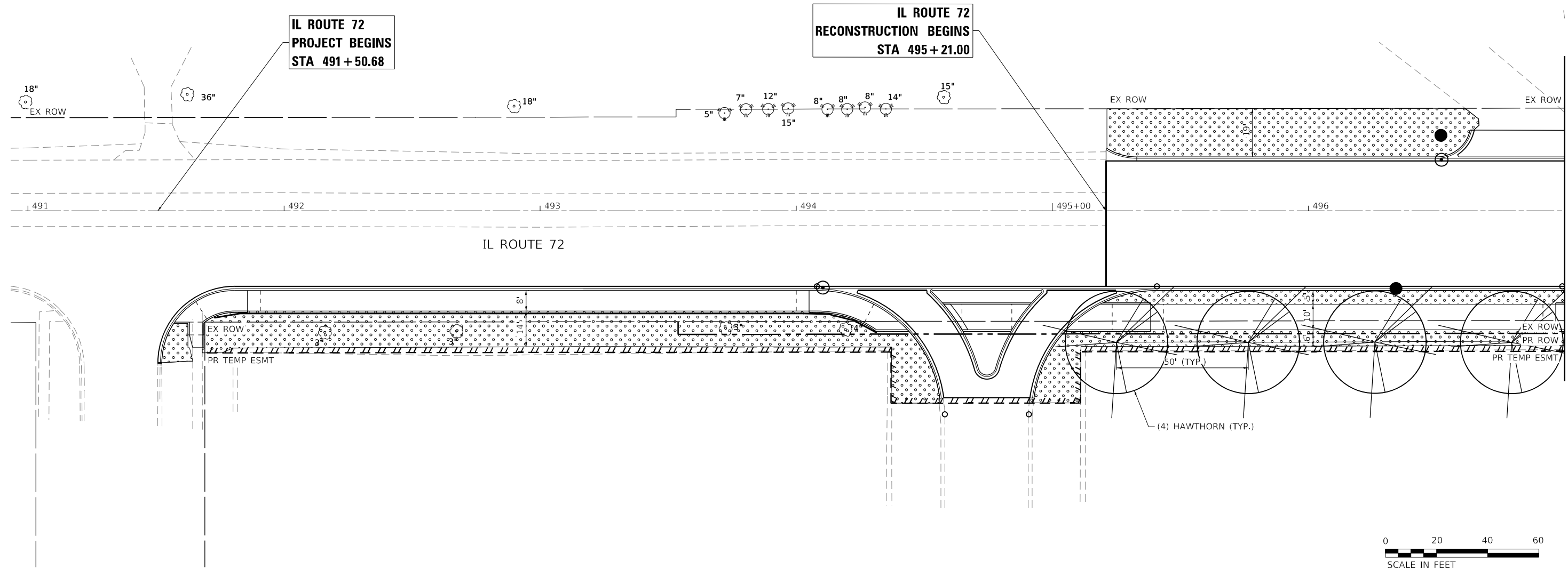


| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| MODEL NAME = State PMK | DRAWN - LEC | REVISED - |
| PLOT SCALE = 40.0000' / In. | CHECKED - BRM | REVISED - |
| PLOT DATE = 4/30/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|---------------------|
| PAVEMENT MARKING AND SIGNING PLANS | |
| STATE STREET | |
| SCALE: 1"=20' | SHEET 4 OF 4 SHEETS |
| STATION 198+50.00 TO STATION 205+00.00 | |

| | | | | |
|---|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 131 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K46(S)49 | | | | |



MATCHLINE STA. 497+00.00
SEE SHEET LS-02



LANDSCAPING LEGEND

- SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING, CLASS 4A (MODIFIED) AND SEEDING, CLASS 5 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- EXISTING TREES TO REMAIN
- PROPOSED TREES
- STONE RIP-RAP

MODEL: Default
FILE NAME: \\s0101\p\c\18037\04_CADD\CADD_Sheets\1803711-LS-01.dwg



| | | |
|------------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - AA | REVISED - |
| | DRAWN - AA | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - VP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

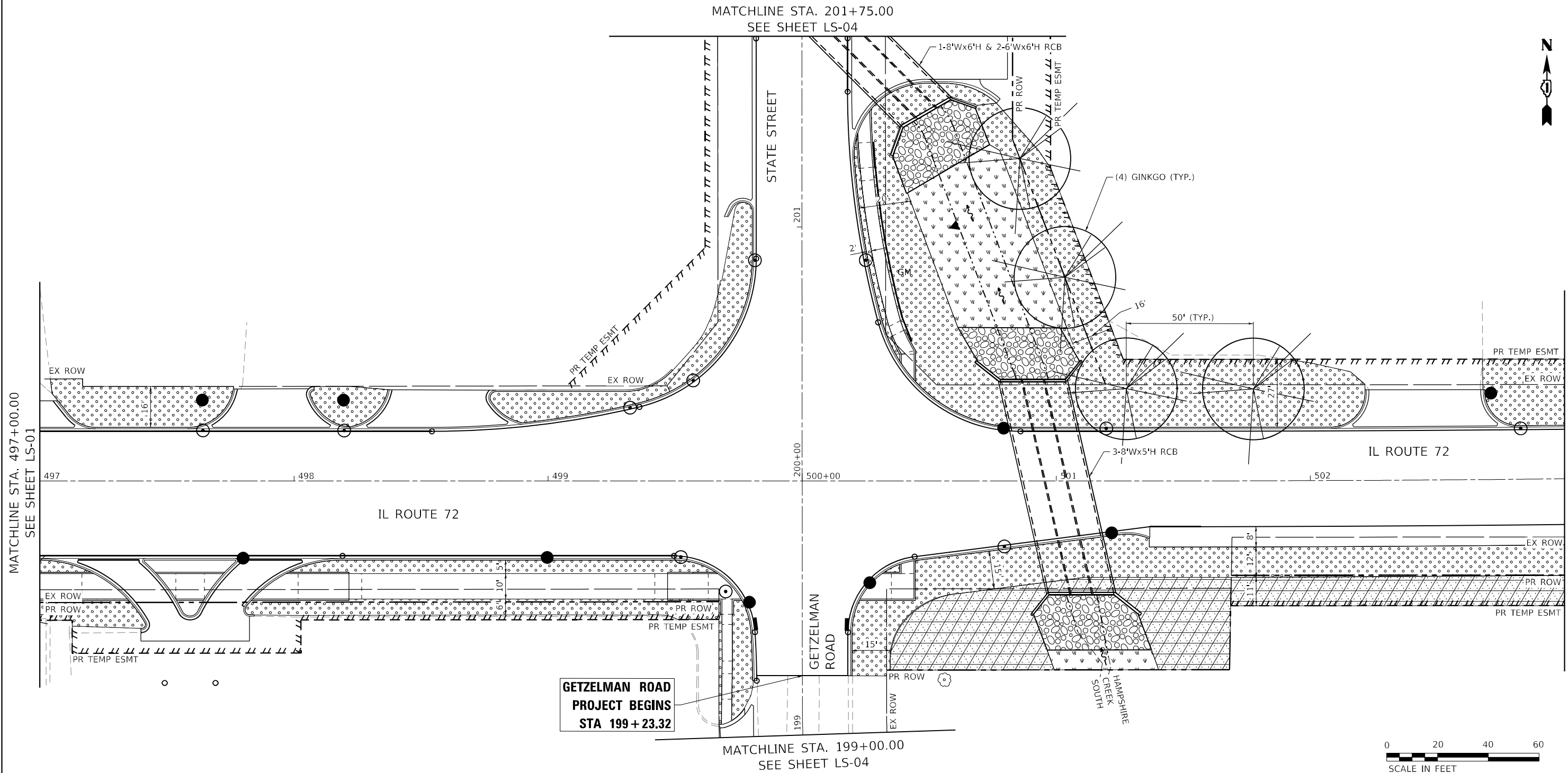
**IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD
LANDSCAPING PLANS**

SCALE: 1"=20' SHEET 01 OF 05 SHEETS STA. 495+21.00 TO STA. 497+00.00

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 132 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

LS-01

MATCHLINE STA. 201+75.00
SEE SHEET LS-04



**GETZELMAN ROAD
PROJECT BEGINS
STA 199 + 23.32**

MATCHLINE STA. 199+00.00
SEE SHEET LS-04



LANDSCAPING LEGEND

- SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING, CLASS 4A (MODIFIED) AND SEEDING, CLASS 5 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
- EXISTING TREES TO REMAIN
- PROPOSED TREES
- STONE RIP-RAP

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| | | |
|------------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - AA | REVISED - |
| | DRAWN - AA | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - VP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

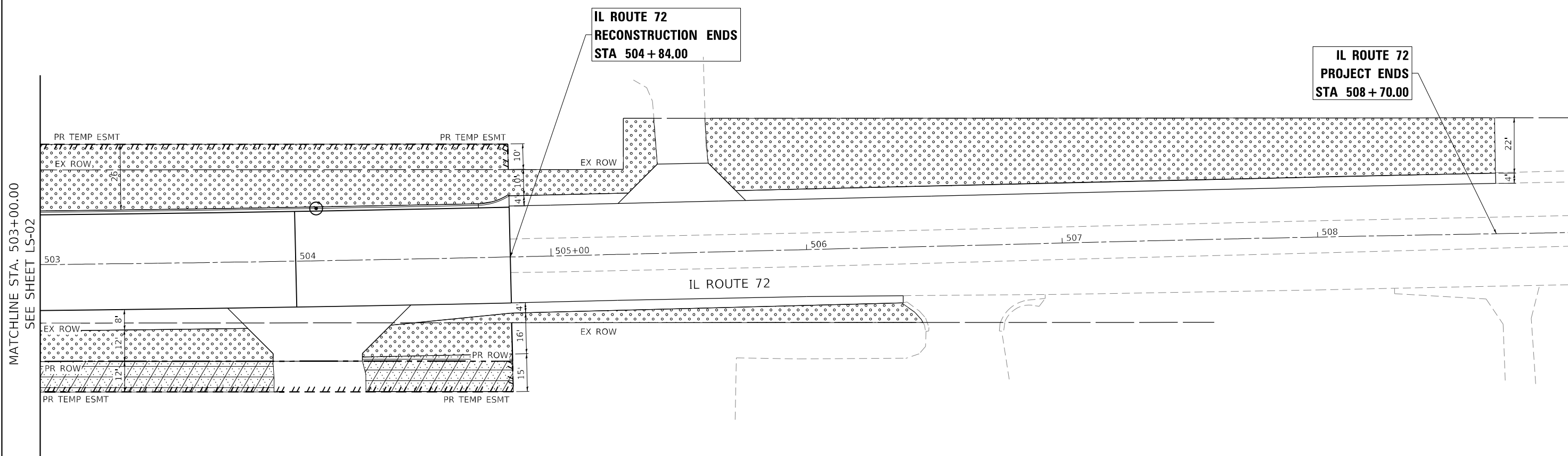
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD
LANDSCAPING PLANS**

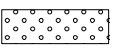
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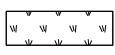
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|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 133 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

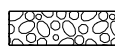
LS-02

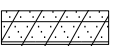



LANDSCAPING LEGEND


- 

SEEDING, CLASS 2A
WITH EROSION CONTROL BLANKET (SPECIAL)
AND TOPSOIL EXCAVATION AND PLACEMENT
- 

SEEDING, CLASS 4B (MODIFIED)
WITH EROSION CONTROL BLANKET (SPECIAL)
AND TOPSOIL EXCAVATION AND PLACEMENT
- 

STONE RIP-RAP
- 

SEEDING, CLASS 4A (MODIFIED) AND
SEEDING, CLASS 5 (MODIFIED)
WITH EROSION CONTROL BLANKET (SPECIAL)
AND TOPSOIL EXCAVATION AND PLACEMENT
- 

EXISTING TREES TO REMAIN
- 

PROPOSED TREES

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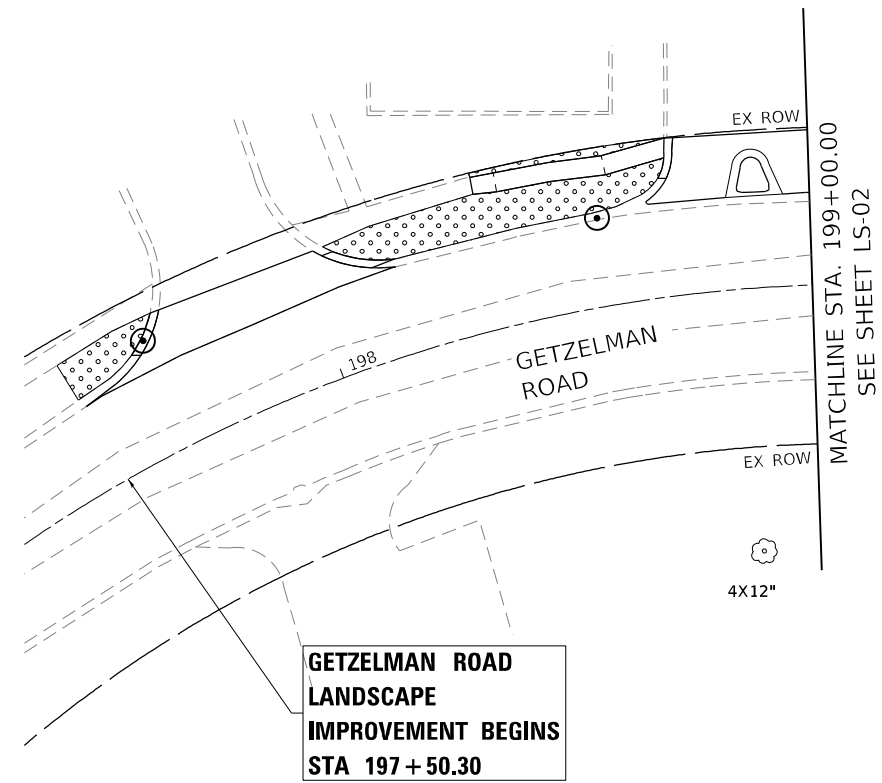
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|------------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - AA | REVISED - |
| | DRAWN - AA | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - VP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

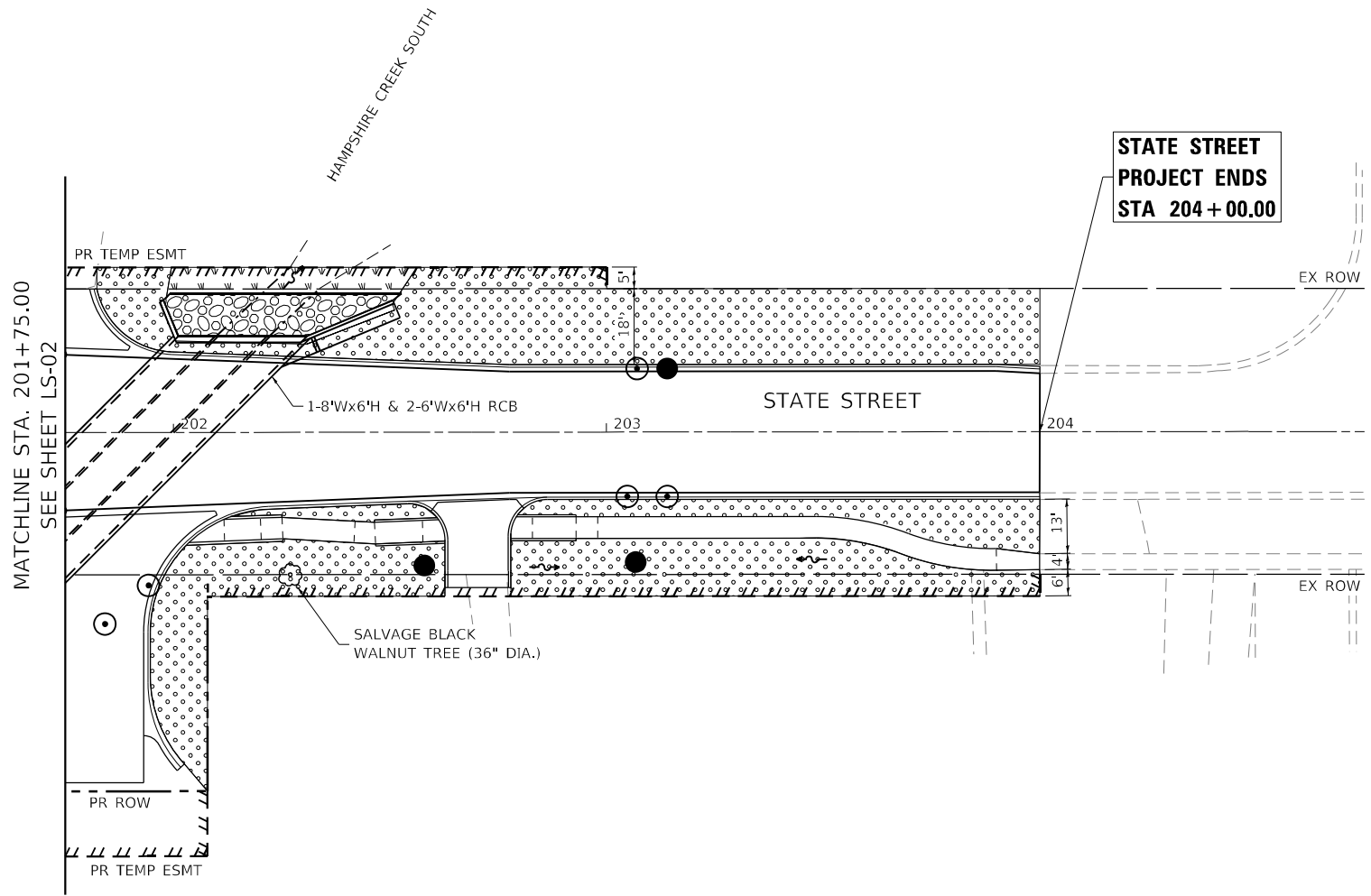
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|--|--|
| IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD | |
| LANDSCAPING PLANS | |
| SCALE: 1"=20' | SHEET 03 OF 05 SHEETS STA. 503+00.00 TO STA. 504+84.00 |

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 134 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

LS-03



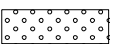
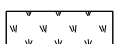




**GETZELMAN ROAD
LANDSCAPE
IMPROVEMENT BEGINS
STA 197 + 50.30**



**STATE STREET
PROJECT ENDS
STA 204 + 00.00**



LANDSCAPING LEGEND

-  SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
-  SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
-  STONE RIP-RAP
-  SEEDING, CLASS 4A (MODIFIED) AND SEEDING, CLASS 5 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL) AND TOPSOIL EXCAVATION AND PLACEMENT
-  EXISTING TREES TO REMAIN
-  PROPOSED TREES

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| | | |
|-----------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - EEC | REVISED - |
| | DRAWN - EEC | REVISED - |
| PLOT SCALE = \$SCALES | CHECKED - VP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD
LANDSCAPING PLANS**
SCALE: 1"=20' SHEET 04 OF 05 SHEETS STA. 198+00.00 TO STA. 204+00.00

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 135 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

LS-04

LANDSCAPING SCHEDULES

SEEDING, CLASS 2A

| SHEET | FROM STA | TO STA | SIDE | QTY (ACRE) |
|-------------------|-----------|-----------|------|-------------|
| IL 72 | | | | |
| LS-01 | 491+52.30 | 491+64.33 | RT | 0.003 |
| LS-01 | 491+68.10 | 494+56.06 | RT | 0.094 |
| LS-01 | 494+92.84 | 497+00.00 | RT | 0.036 |
| LS-01 | 495+19.63 | 497+00.00 | RT | 0.021 |
| LS-01 | 495+21.00 | 496+66.59 | LT | 0.061 |
| LS-02 | 497+00.00 | 497+20.16 | RT | 0.001 |
| LS-02 | 497+00.00 | 497+41.51 | RT | 0.009 |
| LS-02 | 497+04.11 | 497+76.19 | LT | 0.054 |
| LS-02 | 497+80.69 | 499+65.95 | RT | 0.024 |
| LS-02 | 497+97.98 | 499+56.62 | RT | 0.020 |
| LS-02 | 498+06.47 | 498+37.00 | LT | 0.008 |
| LS-02 | 498+77.18 | 499+80.34 | LT | 0.031 |
| LS-02 | 499+73.48 | 499+80.48 | RT | 0.006 |
| LS-02 | 500+20.48 | 500+38.45 | LT | 0.004 |
| LS-02 | 500+19.64 | 503+00.00 | RT | 0.090 |
| LS-02 | 500+27.18 | 502+21.60 | LT | 0.176 |
| LS-02 | 502+66.94 | 503+00.00 | LT | 0.018 |
| LS-03 | 503+00.00 | 505+40.00 | LT | 0.121 |
| LS-03 | 505+60.00 | 508+70.00 | LT | 0.176 |
| LS-03 | 503+00.00 | 503+91.10 | RT | 0.025 |
| LS-03 | 504+25.51 | 506+44.00 | RT | 0.038 |
| STATE ST | | | | |
| LS-04 | 197+50.30 | 197+66.95 | LT | 0.003 |
| LS-04 | 198+05.47 | 198+72.06 | LT | 0.012 |
| LS-04 | 201+82.28 | 204+00.00 | LT | 0.076 |
| LS-04 | 201+94.70 | 202+62.68 | RT | 0.030 |
| LS-04 | 202+13.19 | 202+59.37 | RT | 0.002 |
| LS-04 | 202+77.85 | 204+00.00 | RT | 0.036 |
| LS-04 | 202+80.63 | 204+00.00 | RT | 0.012 |
| TOTAL | | | | 1.19 |
| Round 0.25 | | | | 1.25 |

SEEDING, CLASS 4A (MODIFIED)

| SHEET | FROM STA | TO STA | SIDE | QTY (ACRE) |
|-------------------|----------|--------|------|-------------|
| IL 72 | | | | |
| LS-02 | 500+35 | 503+00 | RT | 0.108 |
| LS-03 | 503+00 | 503+91 | RT | 0.025 |
| LS-03 | 504+26 | 504+84 | RT | 0.019 |
| TOTAL | | | | 0.15 |
| Round 0.25 | | | | 0.25 |

TOPSOIL EXCAVATION AND PLACEMENT

| SHEET | FROM STA | TO STA | SIDE | QTY (CU YD) |
|-----------------|-----------|-----------|------|--------------|
| IL 72 | | | | |
| LS-01 | 491+52.30 | 491+64.33 | RT | 2.6 |
| LS-01 | 491+68.10 | 494+56.06 | RT | 75.8 |
| LS-01 | 494+92.84 | 497+00.00 | RT | 29.2 |
| LS-01 | 495+19.63 | 497+00.00 | RT | 17.2 |
| LS-01 | 495+21.00 | 496+66.59 | LT | 48.9 |
| LS-02 | 497+00.00 | 497+20.16 | RT | 1.2 |
| LS-02 | 497+00.00 | 497+41.51 | RT | 7.2 |
| LS-02 | 497+04.11 | 497+76.19 | LT | 43.7 |
| LS-02 | 497+80.69 | 499+65.95 | RT | 19.7 |
| LS-02 | 497+97.98 | 499+56.62 | RT | 15.8 |
| LS-02 | 498+06.47 | 498+37.00 | LT | 6.6 |
| LS-02 | 498+77.18 | 499+80.34 | LT | 24.7 |
| LS-02 | 499+73.48 | 499+80.48 | RT | 5.0 |
| LS-02 | 500+20.48 | 500+38.45 | LT | 3.2 |
| LS-02 | 500+19.64 | 503+00.00 | RT | 165.8 |
| LS-02 | 500+27.18 | 502+21.60 | LT | 191.7 |
| LS-02 | 502+66.94 | 503+00.00 | LT | 14.7 |
| LS-03 | 503+00.00 | 505+40.00 | LT | 97.6 |
| LS-03 | 505+60.00 | 508+70.00 | LT | 142.2 |
| LS-03 | 503+00.00 | 503+91.10 | RT | 40.4 |
| LS-03 | 504+25.51 | 506+44.00 | RT | 45.9 |
| STATE ST | | | | |
| LS-04 | 197+50.30 | 197+66.95 | LT | 2.6 |
| LS-04 | 198+05.47 | 198+72.06 | LT | 9.8 |
| LS-04 | 201+82.28 | 204+00.00 | LT | 67.4 |
| LS-04 | 201+94.70 | 202+62.68 | RT | 24.3 |
| LS-04 | 202+13.19 | 202+59.37 | RT | 1.3 |
| LS-04 | 202+77.85 | 204+00.00 | RT | 28.8 |
| LS-04 | 202+80.63 | 204+00.00 | RT | 10.0 |
| TOTAL | | | | 1,143 |

EROSION CONTROL BLANKET (SPECIAL)

| SHEET | FROM STA | TO STA | SIDE | QTY (SQ YD) |
|-----------------|-----------|-----------|------|-------------|
| IL 72 | | | | |
| LS-01 | 491+52.30 | 491+64.33 | RT | 16 |
| LS-01 | 491+68.10 | 494+56.06 | RT | 455 |
| LS-01 | 494+92.84 | 497+00.00 | RT | 175 |
| LS-01 | 495+19.63 | 497+00.00 | RT | 103 |
| LS-01 | 495+21.00 | 496+66.59 | LT | 293 |
| LS-02 | 497+00.00 | 497+20.16 | RT | 7 |
| LS-02 | 497+00.00 | 497+41.51 | RT | 43 |
| LS-02 | 497+04.11 | 497+76.19 | LT | 262 |
| LS-02 | 497+80.69 | 499+65.95 | RT | 118 |
| LS-02 | 497+97.98 | 499+56.62 | RT | 95 |
| LS-02 | 498+06.47 | 498+37.00 | LT | 39 |
| LS-02 | 498+77.18 | 499+80.34 | LT | 148 |
| LS-02 | 499+73.48 | 499+80.48 | RT | 30 |
| LS-02 | 500+20.48 | 500+38.45 | LT | 19 |
| LS-02 | 500+19.64 | 503+00.00 | RT | 995 |
| LS-02 | 500+27.18 | 502+21.60 | LT | 1150 |
| LS-02 | 502+66.94 | 503+00.00 | LT | 88 |
| LS-03 | 503+00.00 | 505+40.00 | LT | 585 |
| LS-03 | 505+60.00 | 508+70.00 | LT | 853 |
| LS-03 | 503+00.00 | 503+91.10 | RT | 242 |
| LS-03 | 504+25.51 | 506+44.00 | RT | 275 |
| STATE ST | | | | |
| LS-04 | 197+50.30 | 197+66.95 | LT | 16 |
| LS-04 | 198+05.47 | 198+72.06 | LT | 59 |
| LS-04 | 201+82.28 | 204+00.00 | LT | 404 |
| LS-04 | 201+94.70 | 202+62.68 | RT | 146 |
| LS-04 | 202+13.19 | 202+59.37 | RT | 8 |
| LS-04 | 202+77.85 | 204+00.00 | RT | 173 |
| LS-04 | 202+80.63 | 204+00.00 | RT | 60 |
| TOTAL | | | | 5994 |

SEEDING, CLASS 4B (MODIFIED)

| SHEET | FROM STA | TO STA | SIDE | QTY (ACRE) |
|-------------------|----------|--------|------|-------------|
| IL 72 | | | | |
| LS-02 | 501+91 | 502+37 | RT | 0.008 |
| STATE ST | | | | |
| LS-02 | 200+40 | 201+50 | RT | 0.062 |
| LS-04 | 202+00 | 202+50 | LT | 0.008 |
| TOTAL | | | | 0.08 |
| Round 0.25 | | | | 0.25 |

SEEDING, CLASS 5 (MODIFIED)

| SHEET | FROM STA | TO STA | SIDE | QTY (ACRE) |
|-------------------|----------|--------|------|-------------|
| IL 72 | | | | |
| LS-02 | 500+35 | 503+00 | RT | 0.108 |
| LS-03 | 503+00 | 503+91 | RT | 0.025 |
| LS-02 | 504+26 | 504+84 | RT | 0.019 |
| TOTAL | | | | 0.15 |
| Round 0.25 | | | | 0.25 |

MODEL Path: \\0101\Projects\18037104_CADD\CADD_Sheets\18037112\Hatch\esp-a05.dgn
FILE NAME: \\0101\Projects\18037104_CADD\CADD_Sheets\18037112\Hatch\esp-a05.dgn



| | | |
|------------------------|------------------|-----------|
| USER NAME = \$USER\$ | DESIGNED - EEC | REVISED - |
| | DRAWN - EEC | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - VP | REVISED - |
| PLOT DATE = 4/22/2021 | DATE - 4/16/2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING SCHEDULE
IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD**

SCALE: NTS SHEET 05 OF 05 SHEETS STA. TO STA.

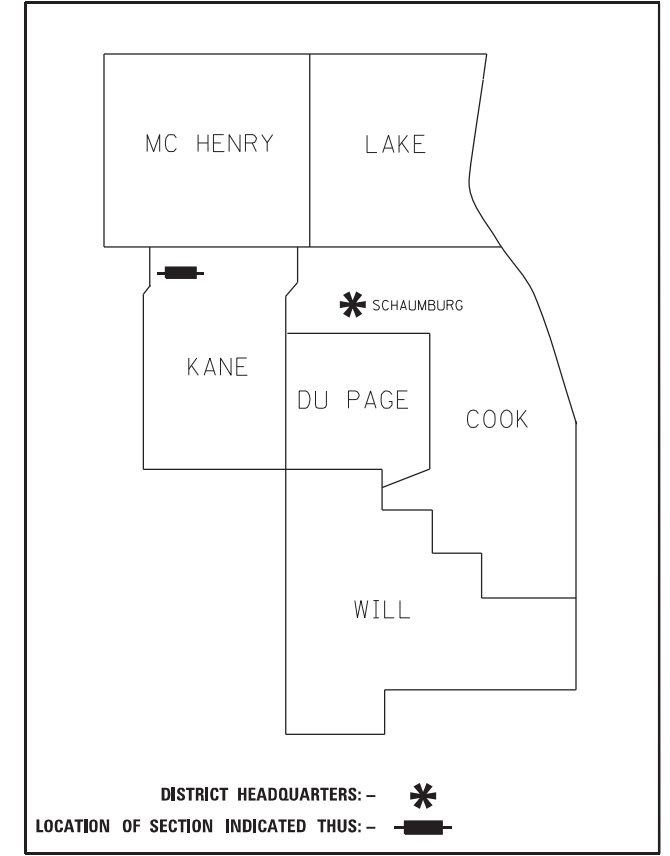
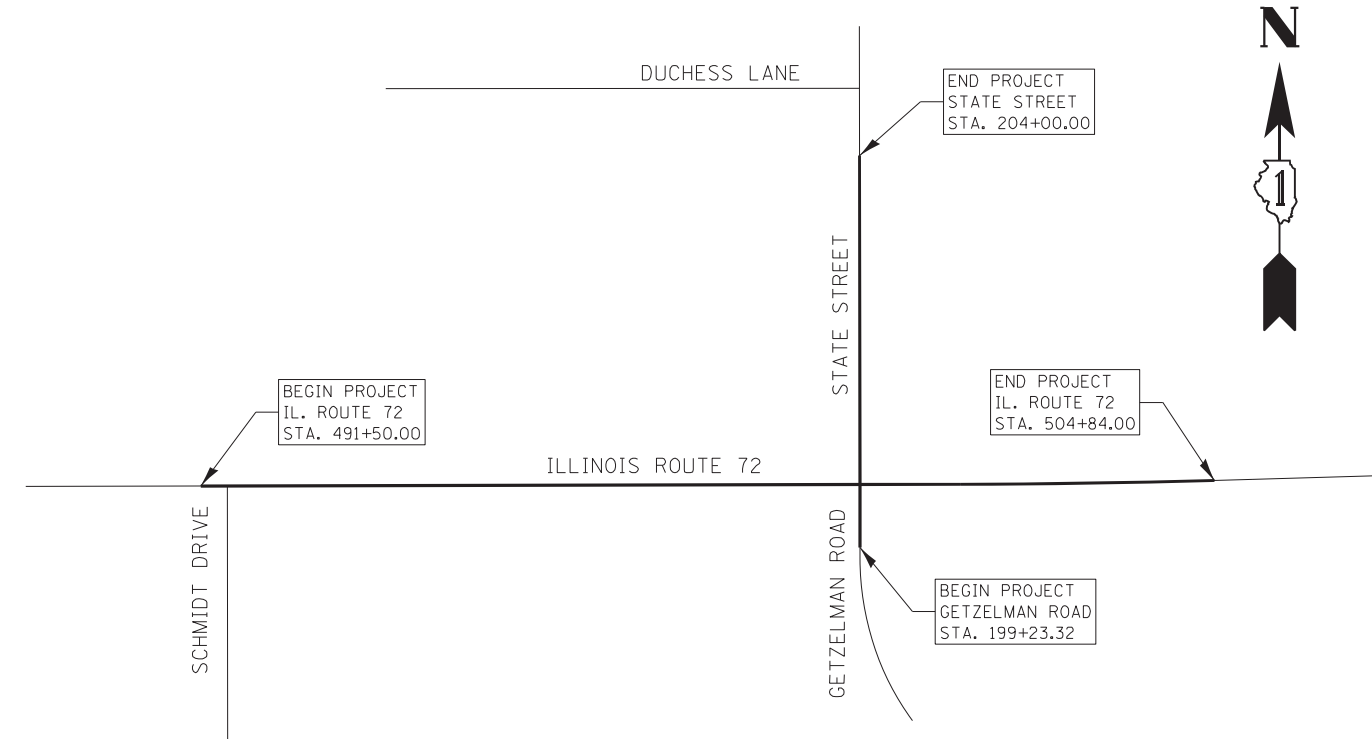
| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 136 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

LS-05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

ROUTE: IL ROUTE 72
SECTION:
COUNTY: KANE
LIMITS: IL 72 AT STATE STREET /GETZELMAN ROAD
JOB NO.: R-91-034-13

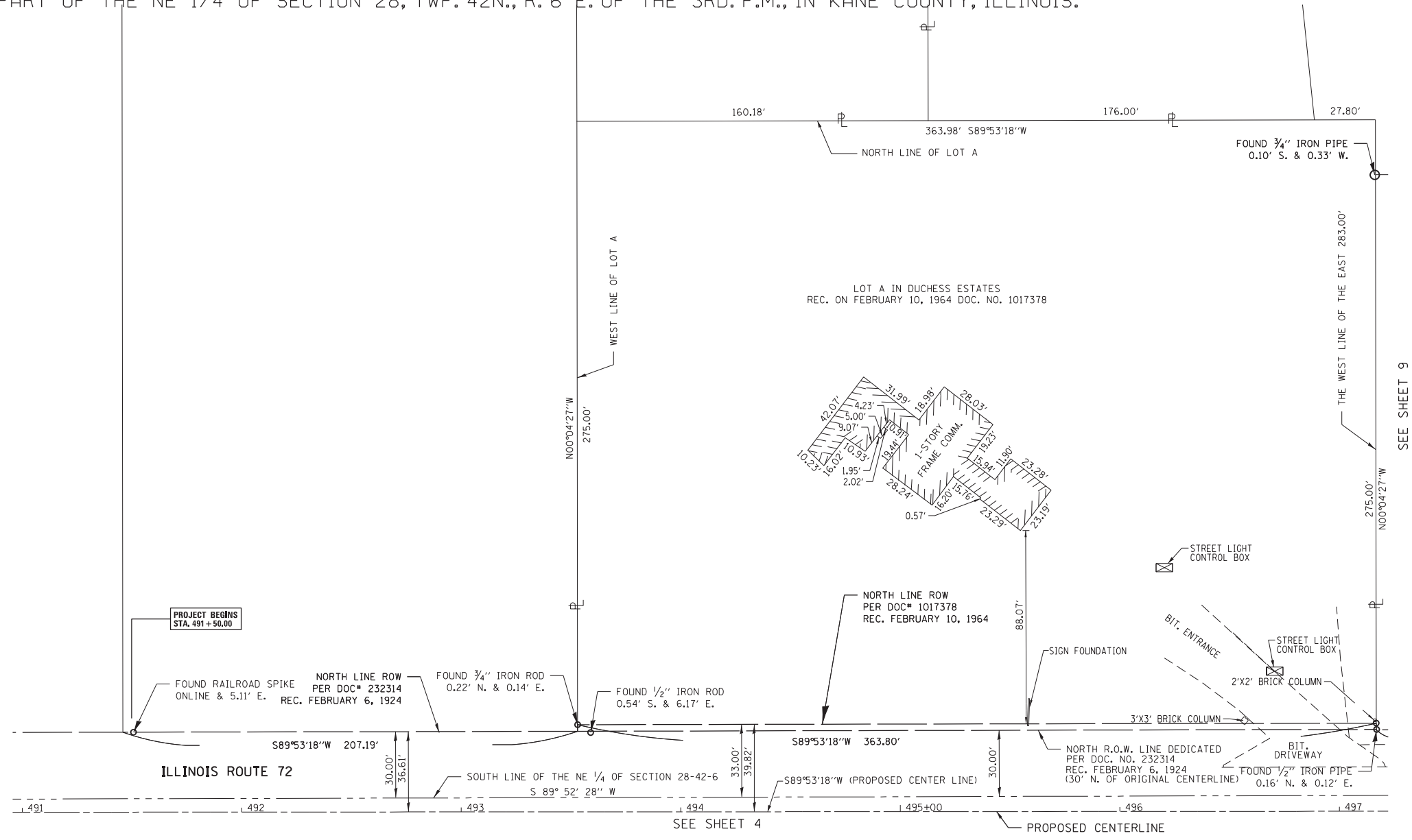
| PARCEL NUMBER | OWNER | SHEET NUMBER | PROPERTY ACQUIRED BY |
|----------------------|---|--------------|----------------------|
| 1LY0001TE | Resource Bank, N.A., as Trustee of Land Trust No. 36010000577 dated April 25, 2012 | 4 | |
| 1LY0002TE 1LY0002 | Properties of Hampshire, LLC, an Illinois limited liability company | 4 | |
| 1LY0003TE 1LY0003 | Blackstone Real Estate Venture L.L.C., an Illinois limited liability company | 5 | |
| 1LY0004 | Village of Hampshire, an Illinois Municipal Corporation | 5 | |
| 1LY0005TE 1LY0005 | Jimmy and Dimitra, LLC, an Illinois limited liability company | 6 | |
| 1LY0006TE | The Trustee of the Maynard Peterson Trust dated December 15, 1997 | 9 | |
| 1LY0007TE | Village of Hampshire, a Municipal Corporation | 7 | |
| 1LY0009TE | Daniel S. Orton and Trevor D. Orton, in Joint Tenancy | 10 | |
| 1LY0010TE 1LY0010 | Richard F. Wagner, Trustee of the Richard F. Wagner Revocable Trust dated December 27, 2001 as to an undivided 1/2 interest and Bonita J. Wagner, Trustee of the Bonita J. Wagner Revocable Trust dated December 27, 2001 as to an undivided 1/2 interest | 10 | |
| 1LY0011TE | Algonquin State Bank as Trustee under Trust Agreement dated April 4, 1990 known as Trust No. 1355 | 3 | |
| 1LY0012TE | Properties of Hampshire, LLC, an Illinois limited liability company | 3 | |
| 1LY0013TE | Algonquin State Bank as Trustee under Trust Agreement dated November 24, 1992 known as Trust No. 1412 | 3 | |
| 1LY0014TE | John N. Keegan and Bonnie L. Keegan, his wife, in Joint Tenancy | 7 | |
| 1LY0015TE | Richard Wagner and Bonita Wagner, as Tenants in Common | 10 | |



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

IDOT USE ONLY

PART OF THE NE 1/4 OF SECTION 28, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER
QUARTER CORNER
SECTION LINE/QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING
SIGN
IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR 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.
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 SURVEYOR'S REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET
CH. L.K. CHAIN LINK FENCE

NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS)
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 28, TOWNSHIP 42 NORTH, RANGE 6 EAST 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 17 DAY OF DEC., 2018 A.D.

Thomas J. Galbreath
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
LICENSE EXPIRATION DATE: NOV. 30, 2019

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



DBS DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
SECTION: JOB NO.: R-91-034-13
STA. 491+50.00 TO 497+17.03
SCALE: 1" = 30' SHEET 2 OF 10 SHEETS

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

IDOT USE ONLY

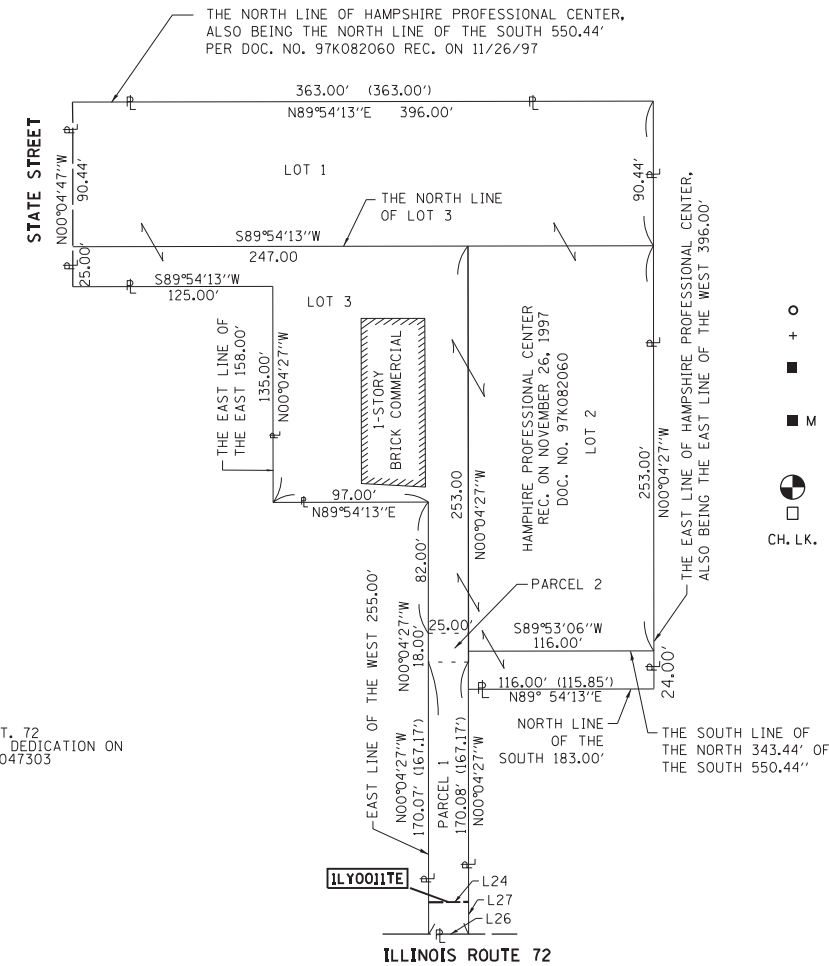
LEGEND

SECTION CORNER
QUARTER CORNER
SECTION LINE/QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
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EXISTING ACCESS CONTROL LINE
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CHAIN LINK FENCE

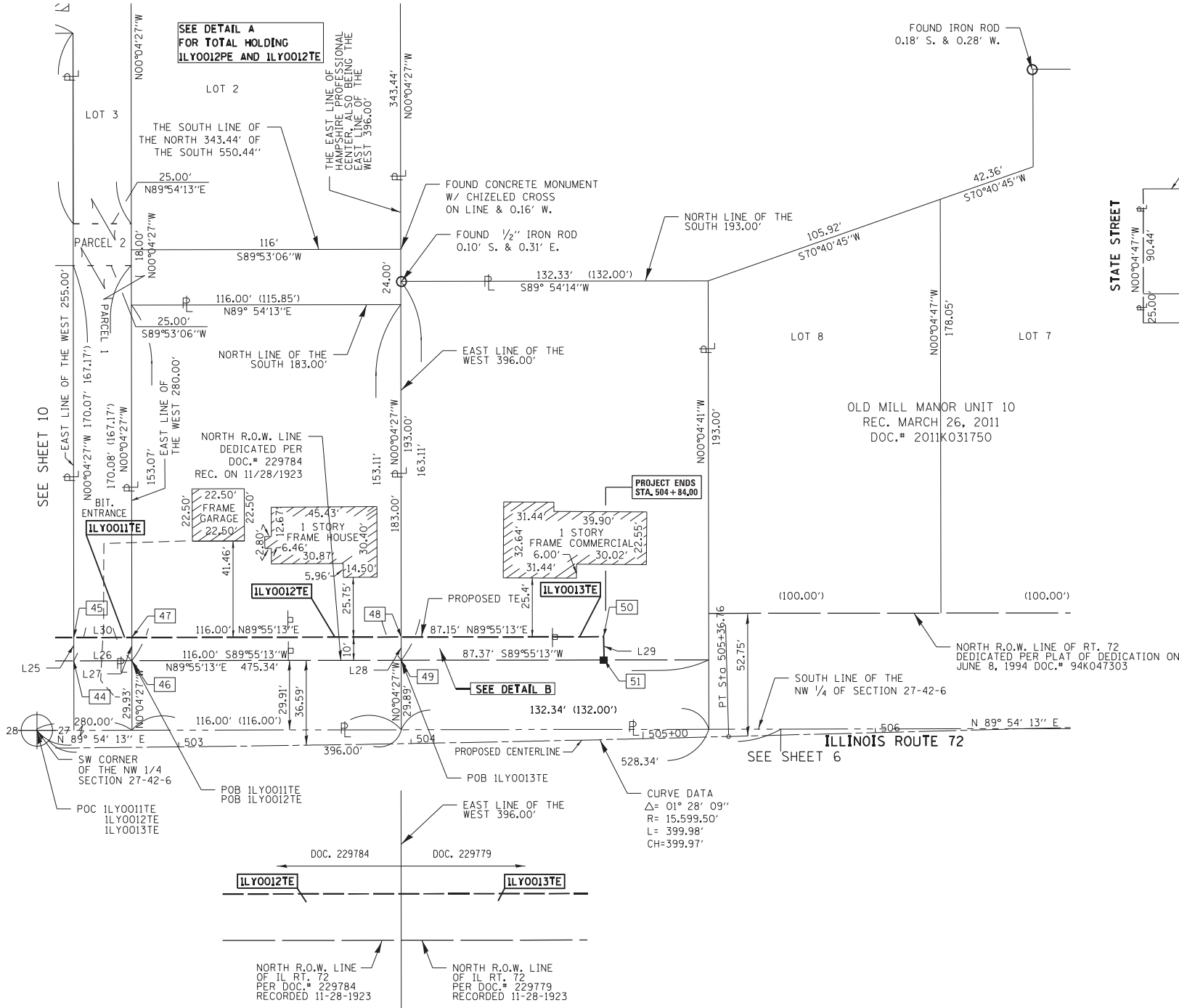


DETAIL A

PARCELS ILY0011TE AND ILY0012TE
SCALE= 1"=60'



SEE SHEET 7



DETAIL B

SCALE= 1"=30'

NOTES:
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STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

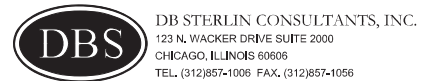
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DATED AT CHICAGO, ILLINOIS THIS 08 DAY OF DEC, 2018 A.D.

Thomas J. Galbreath

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
LICENSE EXPIRATION DATE: NOV. 30, 2019

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



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|---------|
| 44 | 1974872.84 | 931093.89 | 502+55.13 | 37.49 L |
| 45 | 1974882.84 | 931093.88 | 502+55.20 | 47.49 L |
| 46 | 1974872.87 | 931118.89 | 502+80.19 | 37.30 L |
| 47 | 1974882.87 | 931118.88 | 502+80.27 | 47.30 L |
| 48 | 1974883.03 | 931234.88 | 503+96.61 | 45.88 L |
| 49 | 1974873.03 | 931234.89 | 503+96.45 | 35.88 L |
| 50 | 1974883.16 | 931322.03 | 504+84.00 | 44.24 L |
| 51 | 1974873.16 | 931322.26 | 504+84.00 | 34.24 L |

| LINE | DIRECTION | DISTANCE |
|------|-----------------|----------|
| L24 | N 89° 55' 13" E | 25.00' |
| L25 | N 00° 04' 27" W | 10.00' |
| L26 | S 89° 55' 13" W | 25.00' |
| L27 | S 00° 04' 27" E | 10.00' |
| L28 | N 00° 04' 27" W | 10.00' |
| L29 | S 01° 18' 57" E | 10.00' |
| L30 | N 89° 55' 13" E | 25.00' |

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT | | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|----------|-------------|---|
| | | | | | ACRES | SQUARE FEET | |
| ILY0011TE | 2.166 | N/A | N/A | 2.166 | 0.006 | 250 | 01-27-155-004 01-27-155-003 01-27-155-001 |
| ILY0012TE | 0.487 | N/A | N/A | 0.487 | 0.027 | | 01-27-151-009 |
| ILY0013TE | 0.586 | N/A | N/A | 0.586 | 0.020 | | 01-27-151-031 |

DOT USE ONLY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
SECTION: STA. 502+50.00 TO 505+00.00 JOB NO.: R-91-034-13
SCALE: 1" = 30' SHEET 3 OF 10 SHEETS

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

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE
0 30
FEET
SCALE: 1" = 30'

- SECTION LINE/QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
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- PROPOSED CENTERLINE
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- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- SIGN
- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

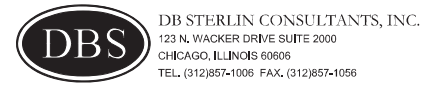
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DATED AT CHICAGO, ILLINOIS THIS 08 DAY OF DEC, 2018 A.D.

Thomas J. Galbreath
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
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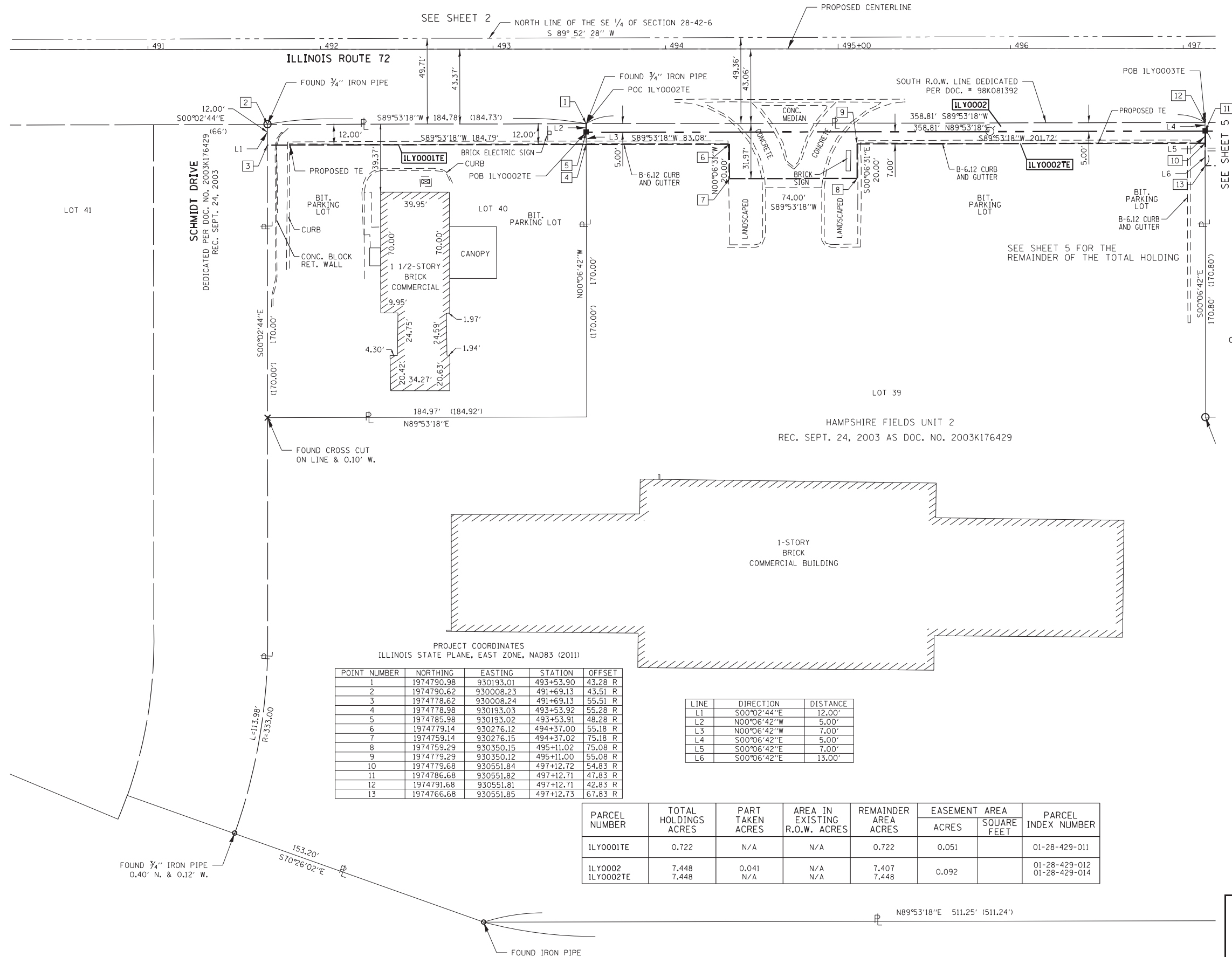


PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
SECTION: STA. 491+50.00 TO 496+50.00 JOB NO.: R-91-034-13
SCALE: 1" = 30' SHEET 4 OF 10 SHEETS

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

IDOT USE ONLY



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|---------|
| 1 | 1974790.98 | 930193.01 | 493+53.90 | 43.28 R |
| 2 | 1974790.62 | 930008.23 | 491+69.13 | 43.51 R |
| 3 | 1974778.62 | 930008.24 | 491+69.13 | 55.51 R |
| 4 | 1974778.98 | 930193.03 | 493+53.92 | 55.28 R |
| 5 | 1974785.98 | 930193.02 | 493+53.91 | 48.28 R |
| 6 | 1974779.14 | 930276.12 | 494+37.00 | 55.18 R |
| 7 | 1974759.14 | 930276.15 | 494+37.02 | 75.18 R |
| 8 | 1974759.29 | 930350.15 | 495+11.02 | 75.08 R |
| 9 | 1974779.29 | 930350.12 | 495+11.00 | 55.08 R |
| 10 | 1974779.68 | 930551.84 | 497+12.72 | 54.83 R |
| 11 | 1974786.68 | 930551.82 | 497+12.71 | 47.83 R |
| 12 | 1974791.68 | 930551.81 | 497+12.71 | 42.83 R |
| 13 | 1974766.68 | 930551.85 | 497+12.73 | 67.83 R |

| LINE | DIRECTION | DISTANCE |
|------|-------------|----------|
| L1 | S00°02'44"E | 12.00' |
| L2 | N00°06'42"W | 5.00' |
| L3 | N00°06'42"W | 7.00' |
| L4 | S00°06'42"E | 5.00' |
| L5 | S00°06'42"E | 7.00' |
| L6 | S00°06'42"E | 13.00' |

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|---------------------|---------------------|
| ILY0001TE | 0.722 | N/A | N/A | 0.722 | 0.051 | 01-28-429-011 |
| ILY0002 | 7.448 | 0.041 | N/A | 7.407 | 0.092 | 01-28-429-012 |
| ILY0002TE | 7.448 | N/A | N/A | 7.448 | | 01-28-429-014 |

PART OF THE SW 1/4 OF SECTION 27, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE SE 1/4 OF SECTION 28, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE
 FEET
 0 30
 SCALE: 1" = 30'

- SECTION LINE/QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
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)SS
 COUNTY OF KANE)

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DATED AT CHICAGO, ILLINOIS THIS 08 DAY OF DEC., 2018 A.D.

Thomas J. Galbreath

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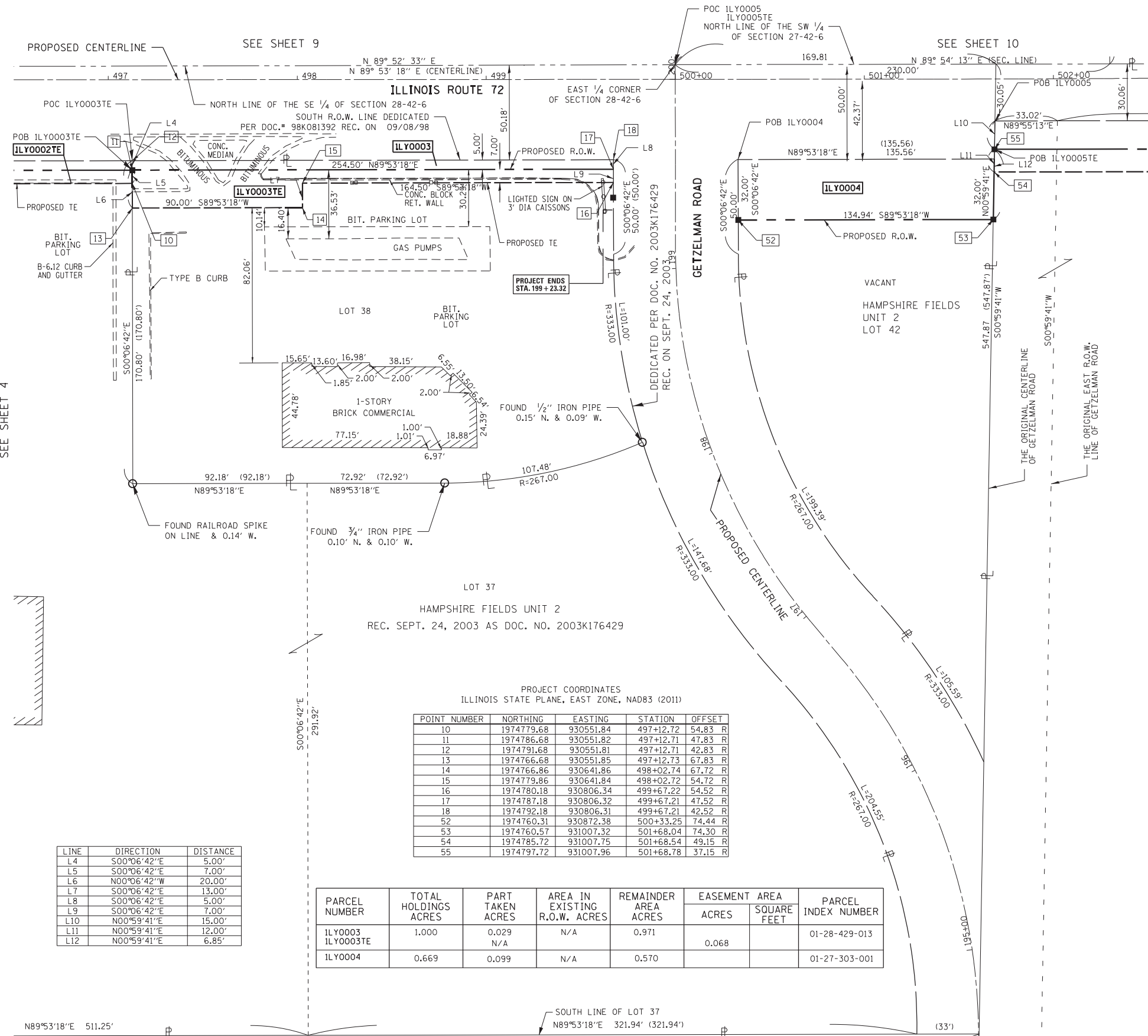


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 123 N. WACKER DRIVE SUITE 2000
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 TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
 SECTION: STA. 496+50.00 TO 502+50.00 JOB NO.: R-91-034-13
 SCALE: 1" = 30' SHEET 5 OF 10 SHEETS

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



PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|---------|
| 10 | 1974779.68 | 930551.84 | 497+12.72 | 54.83 R |
| 11 | 1974786.68 | 930551.82 | 497+12.71 | 47.83 R |
| 12 | 1974791.68 | 930551.81 | 497+12.71 | 42.83 R |
| 13 | 1974766.68 | 930551.85 | 497+12.73 | 67.83 R |
| 14 | 1974766.86 | 930641.86 | 498+02.74 | 67.72 R |
| 15 | 1974779.86 | 930641.84 | 498+02.72 | 54.72 R |
| 16 | 1974780.18 | 930806.34 | 499+67.22 | 54.52 R |
| 17 | 1974787.18 | 930806.32 | 499+67.21 | 47.52 R |
| 18 | 1974792.18 | 930806.31 | 499+67.21 | 42.52 R |
| 52 | 1974760.31 | 930872.38 | 500+33.25 | 74.44 R |
| 53 | 1974760.57 | 931007.32 | 501+68.04 | 74.30 R |
| 54 | 1974785.72 | 931007.75 | 501+68.54 | 49.15 R |
| 55 | 1974797.72 | 931007.96 | 501+68.78 | 37.15 R |

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|-------------------|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|---------------------|
| ILY0003 ILY0003TE | 1.000 | 0.029 | N/A | 0.971 | 0.068 | | 01-28-429-013 |
| ILY0004 | 0.669 | 0.099 | N/A | 0.570 | | | 01-27-303-001 |

| LINE | DIRECTION | DISTANCE |
|------|-------------|----------|
| L4 | S00°06'42"E | 5.00' |
| L5 | S00°06'42"E | 7.00' |
| L6 | N00°06'42"W | 20.00' |
| L7 | S00°06'42"E | 13.00' |
| L8 | S00°06'42"E | 5.00' |
| L9 | S00°06'42"E | 7.00' |
| L10 | N00°59'41"E | 15.00' |
| L11 | N00°59'41"E | 12.00' |
| L12 | N00°59'41"E | 6.85' |

LEGEND

SECTION CORNER: 9 10 15 16
 QUARTER SECTION CORNER: 16 15

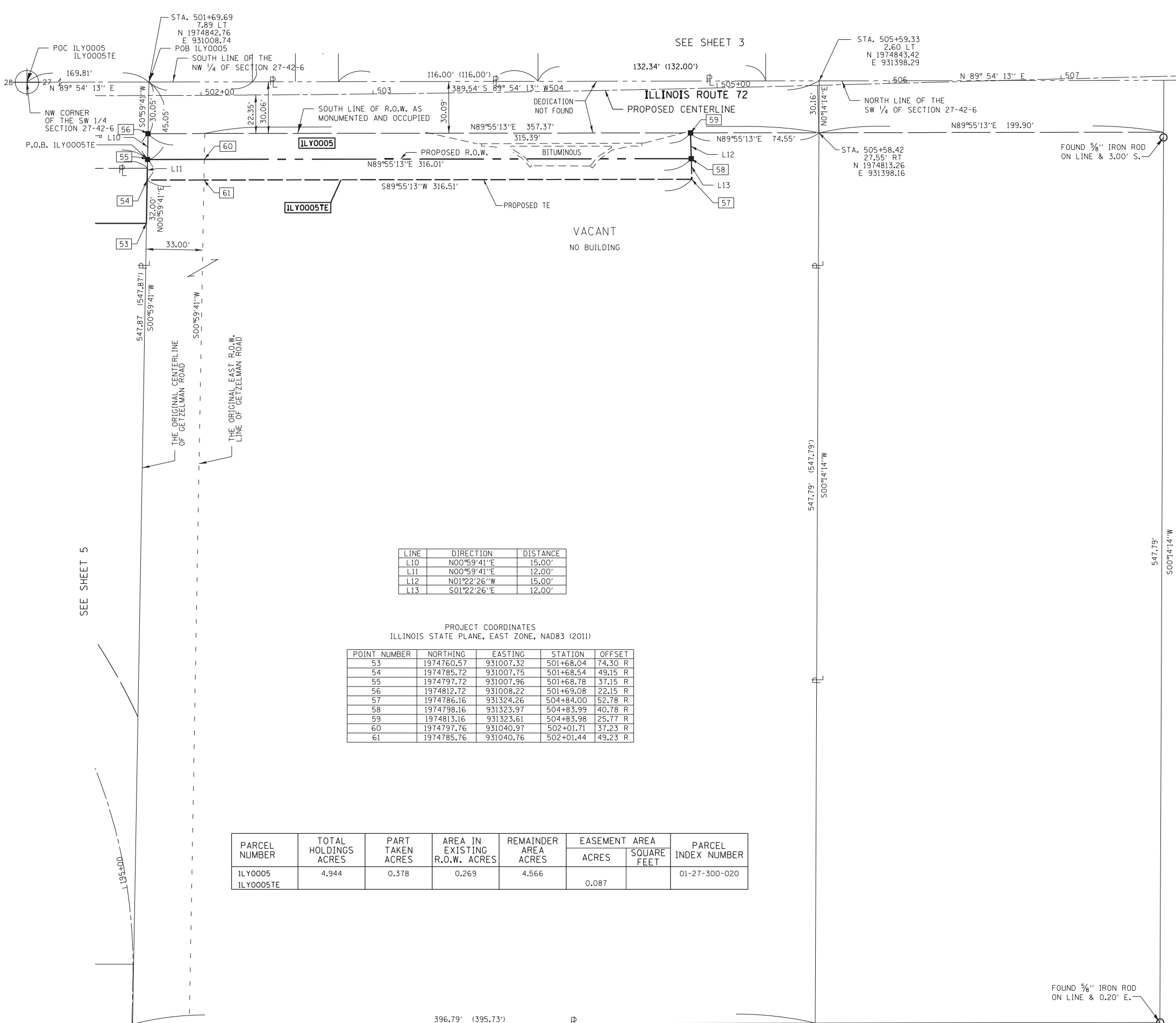
SECTION LINE/QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING
 SIGN

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR 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.
 ■ 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 SURVEYOR'S REGISTRATION NUMBER.
 ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET
 CH. LK. CHAIN LINK FENCE

NOTES:
 ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 BEARINGS AND DISTANCES SHOWN HEREON REFERENCE 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 SHOWN BY THE COMBINATION FACTOR OF 0.99993919.
 AREAS SHOWN ON THIS PLAT ARE "GROUND".



| LINE | DIRECTION | DISTANCE |
|------|-------------|----------|
| L10 | N00°59'41"E | 15.00' |
| L11 | N00°59'41"E | 12.00' |
| L12 | N01°22'26"W | 15.00' |
| L13 | S01°22'26"E | 12.00' |

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|---------|
| 53 | 1974760.57 | 931007.32 | 501+68.04 | 74.30 R |
| 54 | 1974785.72 | 931007.75 | 501+68.54 | 49.15 R |
| 55 | 1974797.72 | 931007.96 | 501+68.78 | 37.15 R |
| 56 | 1974812.72 | 931008.22 | 501+69.08 | 22.15 R |
| 57 | 1974786.16 | 931324.26 | 504+84.00 | 52.78 R |
| 58 | 1974798.16 | 931323.97 | 504+83.99 | 40.78 R |
| 59 | 1974813.16 | 931323.61 | 504+83.98 | 25.77 R |
| 60 | 1974797.76 | 931040.97 | 502+01.71 | 37.23 R |
| 61 | 1974785.76 | 931040.76 | 502+01.44 | 49.23 R |

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|----------------------|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|---------------------|
| ILY0005 ILY0005TE | 4.944 | 0.378 | 0.269 | 4.566 | 0.087 | | 01-27-300-020 |

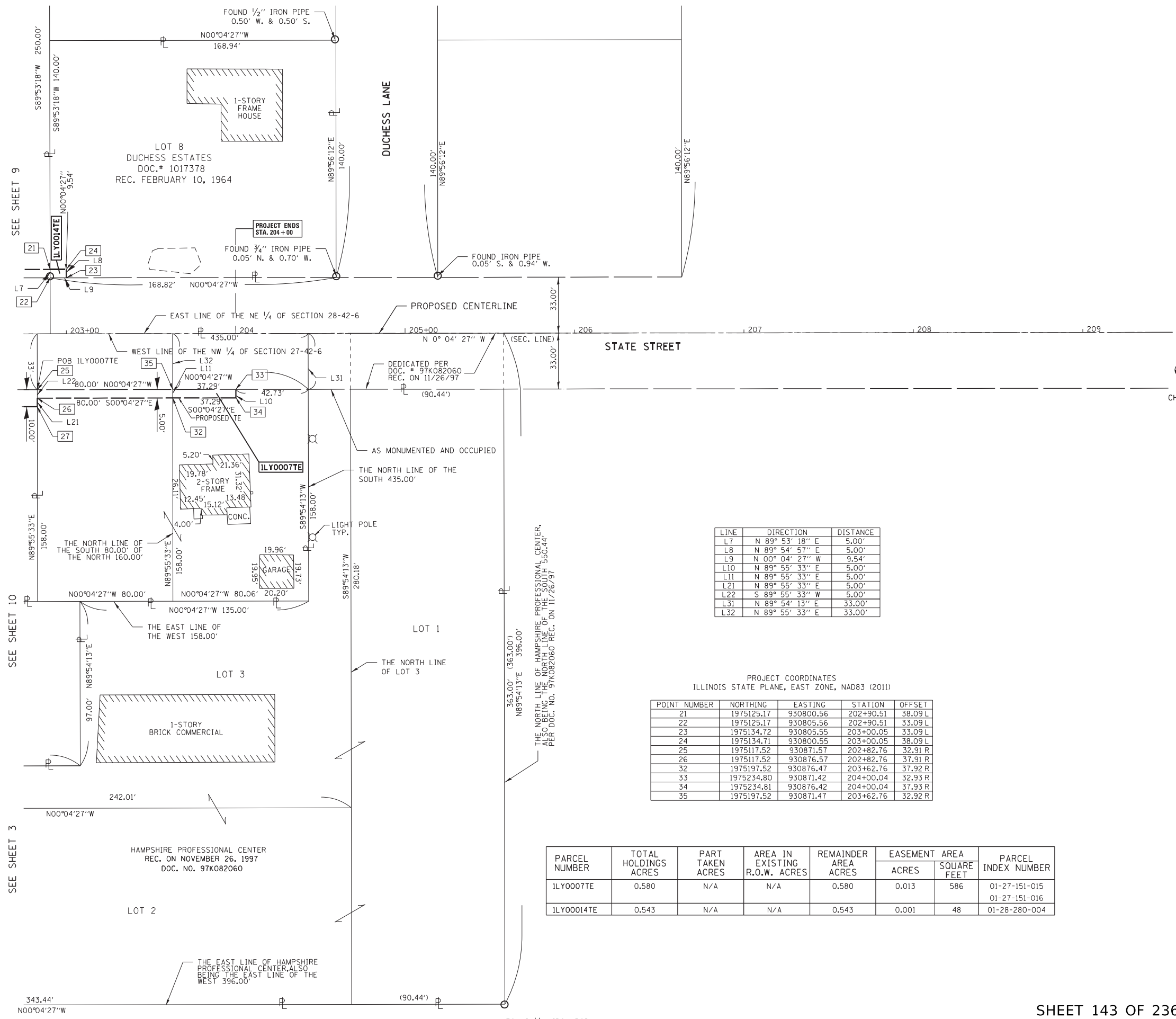
IDOT USE ONLY

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
 SECTION: STA. 501+68.00 TO 505+00.00 JOB NO.: R-91-034-13
 SCALE: 1" = 30' SHEET 6 OF 10 SHEETS

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

PART OF THE NW 1/4 OF SECTION 27, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 28, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER: 9, 10, 15, 16

QUARTER SECTION CORNER: 16, 15

SECTION LINE/QUARTER SECTION LINE: ---

PLATTED LOT LINES: ---

PROPERTY (DEED) LINE: ---

APPL APPARENT PROPERTY LINE: ---

EXISTING CENTERLINE: ---

PROPOSED CENTERLINE: ---

EXISTING RIGHT OF WAY LINE: ---

PROPOSED RIGHT OF WAY LINE: ---

EXISTING EASEMENT: ---

PROPOSED EASEMENT: ---

EXISTING ACCESS CONTROL LINE: ---

PROPOSED ACCESS CONTROL LINE: ---

MEASURED DIMENSION: ---

COMPUTED DIMENSION: ---

RECORDED DIMENSION: ---

EXISTING BUILDING: [Hatched Box]

SIGN: [Symbol]

IRON PIPE OR ROD FOUND: [Symbol]

CUT CROSS FOUND OR SET: [Symbol]

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 SURVEYOR'S REGISTRATION NUMBER.

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

CHAIN LINK FENCE: [Symbol]

GRAPHIC SCALE: 0, 15, 30 FEET

SCALE: 1" = 30'

NOTES:

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE 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 SHOWN BY THE COMBINATION FACTOR OF 0.99993919.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS)
) SS
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 & 28, TOWNSHIP 42 NORTH, RANGE 6 EAST 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 08 DAY OF DEC., 2018 A.D.

[Signature]

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-03134
 LICENSE EXPIRATION DATE: NOV. 30, 2019

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



| LINE | DIRECTION | DISTANCE |
|------|-----------------|----------|
| L7 | N 89° 53' 18" E | 5.00' |
| L8 | N 89° 54' 57" E | 5.00' |
| L9 | N 00° 04' 27" W | 9.54' |
| L10 | N 89° 55' 33" E | 5.00' |
| L11 | N 89° 55' 33" E | 5.00' |
| L21 | N 89° 55' 33" E | 5.00' |
| L22 | S 89° 55' 33" W | 5.00' |
| L31 | N 89° 54' 13" E | 33.00' |
| L32 | N 89° 55' 33" E | 33.00' |

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|---------|
| 21 | 1975125.17 | 930800.56 | 202+90.51 | 38.09 L |
| 22 | 1975125.17 | 930805.56 | 202+90.51 | 33.09 L |
| 23 | 1975134.72 | 930805.55 | 203+00.05 | 33.09 L |
| 24 | 1975134.71 | 930800.55 | 203+00.05 | 38.09 L |
| 25 | 1975117.52 | 930871.57 | 202+82.76 | 32.91 R |
| 26 | 1975117.52 | 930876.57 | 202+82.76 | 37.91 R |
| 32 | 1975197.52 | 930876.47 | 203+62.76 | 37.92 R |
| 33 | 1975234.80 | 930871.42 | 204+00.04 | 32.93 R |
| 34 | 1975234.81 | 930876.42 | 204+00.04 | 37.93 R |
| 35 | 1975197.52 | 930871.47 | 203+62.76 | 32.92 R |

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT | | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|----------|-------------|--------------------------------|
| | | | | | ACRES | SQUARE FEET | |
| 1LY0007TE | 0.580 | N/A | N/A | 0.580 | 0.013 | 586 | 01-27-151-015 01-27-151-016 |
| 1LY00014TE | 0.543 | N/A | N/A | 0.543 | 0.001 | 48 | 01-28-280-004 |

DBS DB STERLIN CONSULTANTS, INC.
 123 N. WACKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

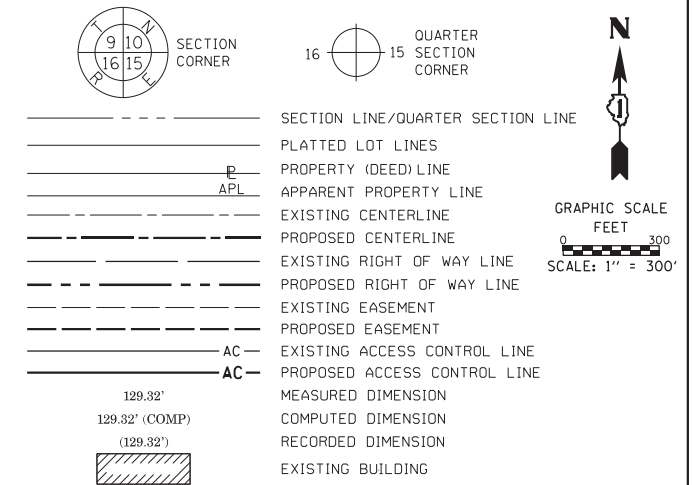
LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
 SECTION: STA. 202+82.97 TO 204+00.00 JOB NO.: R-91-034-13
 SCALE: 1" = 30' SHEET 7 OF 10 SHEETS

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

IDOT USE ONLY

THE NE 1/4 OF SECTION 28, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE NW 1/4 OF SECTION 27, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE SE 1/4 OF SECTION 28, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 27, TWP. 42N., R. 6 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND
- ⊕ *MAG* NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR 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.
- 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 SURVEYOR'S REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- CH. LK. CHAIN LINK FENCE

NOTES:
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 AREAS SHOWN ON THIS PLAT ARE "GROUND".

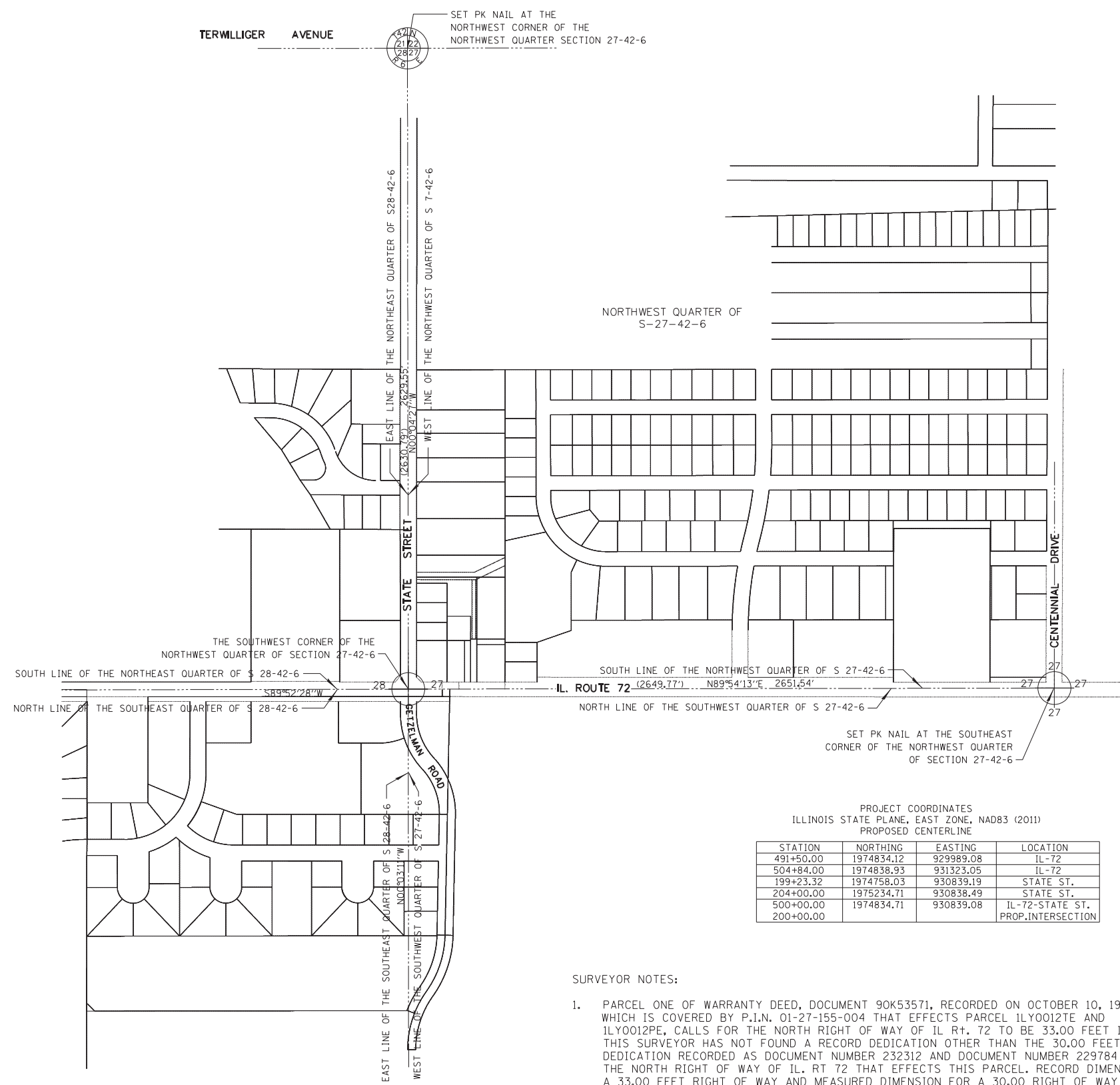
STATE OF ILLINOIS)
)SS
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 & 28, TOWNSHIP 42 NORTH, RANGE 6 EAST 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 08 DAY OF DEC, 2018 A.D.

Thomas J. Galbreath
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
 LICENSE EXPIRATION DATE: NOV. 30, 2019

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



- SURVEYOR NOTES:**
- PARCEL ONE OF WARRANTY DEED, DOCUMENT 90K53571, RECORDED ON OCTOBER 10, 1990 WHICH IS COVERED BY P.I.N. 01-27-155-004 THAT EFFECTS PARCEL 1LY0012TE AND 1LY0012PE, CALLS FOR THE NORTH RIGHT OF WAY OF IL Rt. 72 TO BE 33.00 FEET IN WIDTH. THIS SURVEYOR HAS NOT FOUND A RECORD DEDICATION OTHER THAN THE 30.00 FEET WIDE DEDICATION RECORDED AS DOCUMENT NUMBER 232312 AND DOCUMENT NUMBER 229784 FOR THE NORTH RIGHT OF WAY OF IL. RT 72 THAT EFFECTS THIS PARCEL. RECORD DIMENSION FOR A 33.00 FEET RIGHT OF WAY AND MEASURED DIMENSION FOR A 30.00 RIGHT OF WAY AS SHOWN HEREON.
 - THIS SURVEYOR HAS NOT FOUND A RECORD DEDICATION FOR STATE STREET.
 - THIS SURVEY DOES NOT AGREE WITH THE CENTERLINE OF STATE STREET AS SHOWN ON DUCHESS ESTATES PLAT OF SUBDIVISION, RECORDED AS DOCUMENT 1017378, ON FEBRUARY 10, 1964, WHICH COINCIDES WITH THE FOUND MONUMENTS AS SHOWN HEREON. WE FOUND THE CENTERLINE OF STATE STREET AND THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 28-42-6 TO BE THE SAME LINE, WHICH SUBSTANTIALLY CONFORMS TO OTHER FOUND MONUMENTS AND SUPPORTING RECORD DOCUMENTS.

DBS DB STERLIN CONSULTANTS, INC.
 123 N. WACKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
 SECTION: JOB NO.: R-91-034-13
 STA. 491+50.00 TO 504+84.00
 STA. 199+23.32 TO 204+00.00
 SCALE: 1" = 800'

SHEET 8 OF 10 SHEETS

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

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE/QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING
SIGN
IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S 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 SURVEYOR'S REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET
CHAIN LINK FENCE

NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS)
COUNTY OF KANE)
THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 28, TOWNSHIP 42 NORTH, RANGE 6 EAST 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS .08. DAY OF .DEC., 2018 A.D.
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
LICENSE EXPIRATION DATE: NOV. 30, 2019
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

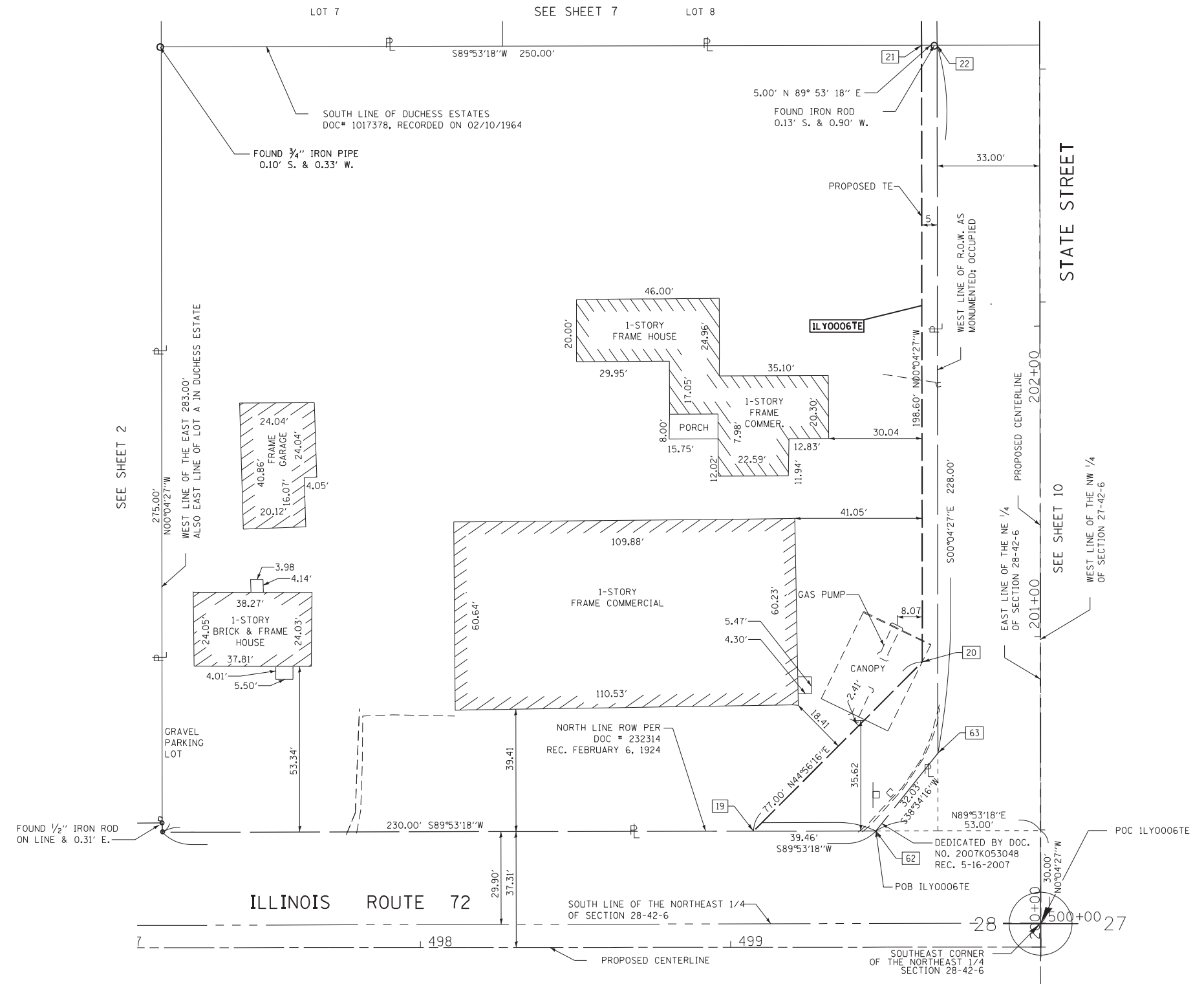


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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
SECTION: STA. 497+17.00 TO 500+00.00 JOB NO.: R-91-034-13
SCALE: 1" = 20' SHEET 9 OF 10 SHEETS

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



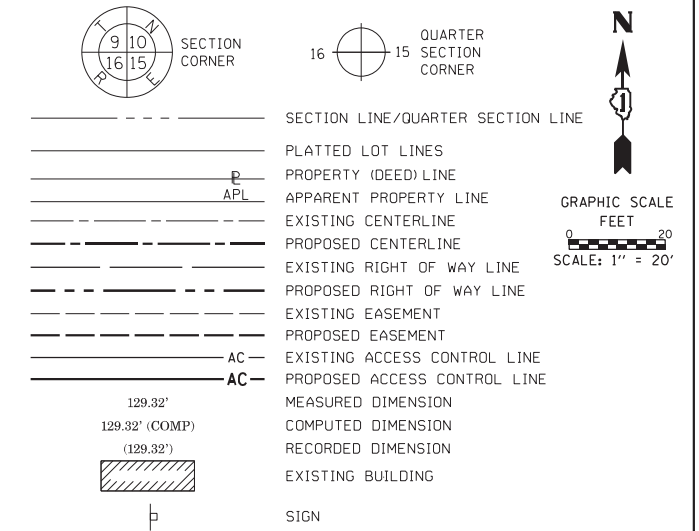
PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|---------|
| 19 | 1974872.06 | 930746.43 | 204+00.00 | 33.00 R |
| 20 | 1974926.57 | 930800.82 | 204+00.00 | 38.00 R |
| 21 | 1975125.17 | 930800.56 | 203+62.76 | 38.00 R |
| 22 | 1975125.17 | 930805.56 | 203+62.76 | 33.00 R |
| 62 | 1974872.14 | 930785.89 | 499+47.05 | 29.80 L |
| 63 | 1974897.18 | 930805.86 | 499+67.08 | 54.79 L |

POINTS 19 THROUGH 22 STATION AND OFFSET ARE DERIVED FROM STATE STREET BASELINE.

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|---------------------|
| ILY0006TE | 1.642 | N/A | N/A | 1.642 | 0.057 | | 01-28-280-011 |

LEGEND



- IRON PIPE OR ROD FOUND
- ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR 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.
- 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 SURVEYOR'S REGISTRATION NUMBER.
- ◉ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- ◻ CH. L.K.

NOTES:
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 AREAS SHOWN ON THIS PLAT ARE "GROUND".

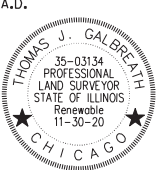
STATE OF ILLINOIS)
)SS
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 42 NORTH, RANGE 6 EAST 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 08. DAY OF DEC., 2018 A.D.

Thomas J. Galbreath
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
 LICENSE EXPIRATION DATE: NOV. 30, 2019

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



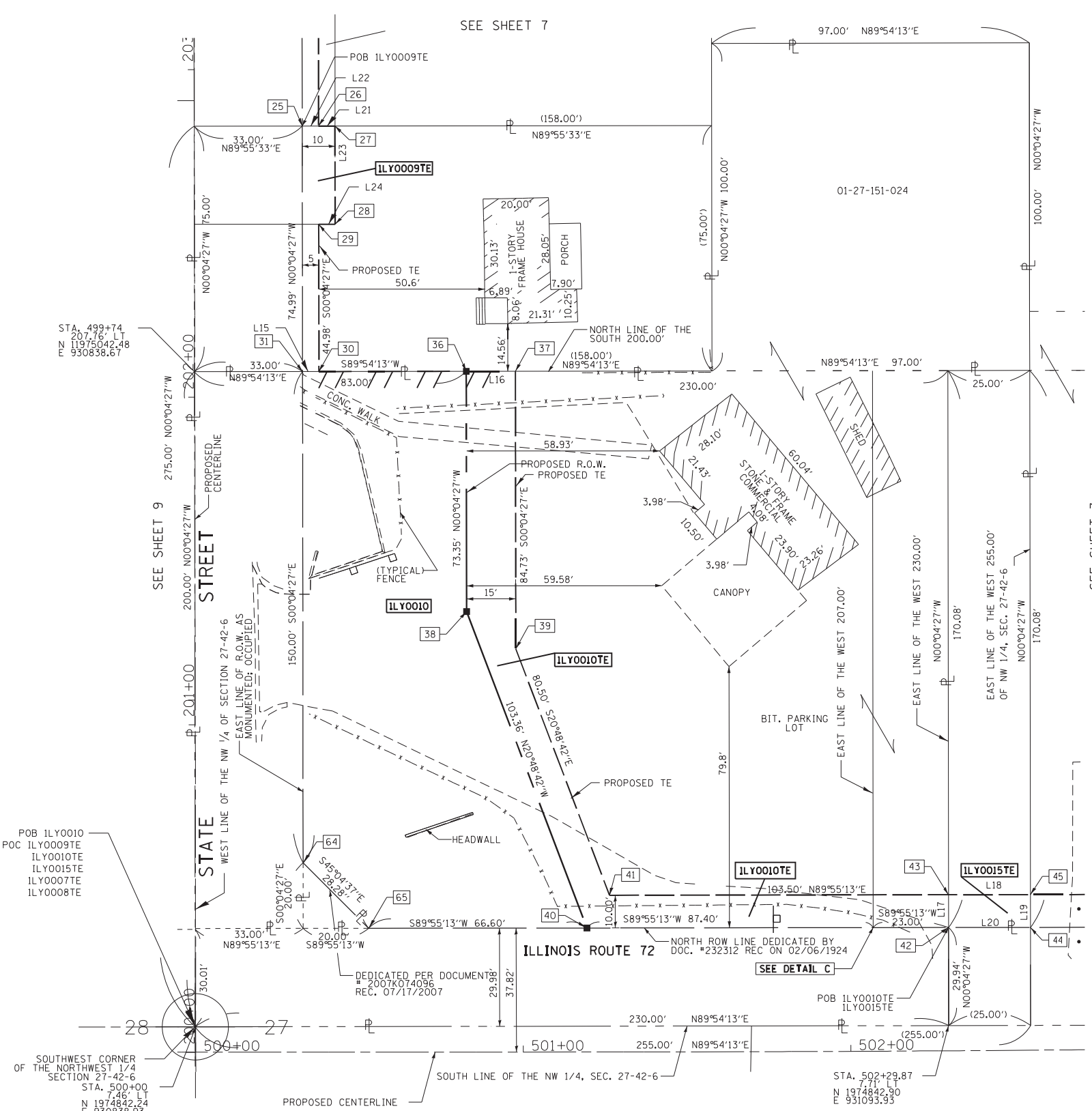
DBS DB STERLIN CONSULTANTS, INC.
 123 N. WACKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. ROUTE 72 AT STATE STREET/GETZELMAN ROAD

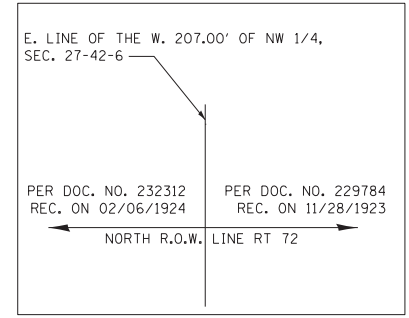
LIMITS: AT STATE ST./GETZELMAN RD. COUNTY: KANE
 SECTION: STA. 500+00.00 TO 502+60.00 JOB NO.: R-91-034-13
 SCALE: 1" = 20' SHEET 10 OF 10 SHEETS

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

IDOT USE ONLY



DETAIL C
 NTS



PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING | EASTING | STATION | OFFSET |
|--------------|------------|-----------|-----------|----------|
| 25 | 1975117.52 | 930871.57 | 202+82.76 | 32.91 R |
| 26 | 1975117.52 | 930876.57 | 202+82.76 | 37.91 R |
| 27 | 1975117.53 | 930881.57 | 202+82.76 | 42.91 R |
| 28 | 1975087.53 | 930881.61 | 202+52.76 | 43.00 R |
| 29 | 1975087.52 | 930876.61 | 202+52.76 | 38.00 R |
| 30 | 1975042.54 | 930876.67 | 202+07.76 | 38.00 R |
| 31 | 1975042.53 | 930870.92 | 202+07.76 | 33.00 R |
| 36 | 1975042.62 | 930921.67 | 202+07.78 | 83.00' R |
| 37 | 1975042.64 | 930936.67 | 202+07.80 | 98.00' R |
| 38 | 1974969.26 | 930921.77 | 201+34.44 | 83.00' R |
| 39 | 1974957.91 | 930936.78 | 201+23.07 | 98.00' R |
| 40 | 1974872.65 | 930958.49 | 501+19.44 | 37.85' L |
| 41 | 1974882.66 | 930965.38 | 501+26.34 | 47.85' L |
| 42 | 1974872.80 | 931068.89 | 502+30.07 | 37.64 L |
| 43 | 1974882.80 | 931068.88 | 502+30.12 | 47.64 L |
| 44 | 1974872.84 | 931033.89 | 502+55.13 | 37.49 L |
| 45 | 1974882.84 | 931093.88 | 502+55.20 | 47.49 L |
| 64 | 1974892.53 | 930871.86 | 200+57.77 | 33.00' R |
| 65 | 1974872.56 | 930891.89 | 500+52.84 | 37.80' L |

| LINE | DIRECTION | DISTANCE |
|------|-----------------|----------|
| L15 | S 89° 54' 13" W | 5.00' |
| L16 | N 89° 54' 13" E | 15.00' |
| L17 | N 00° 04' 27" W | 10.00' |
| L18 | N 89° 55' 13" E | 25.00' |
| L19 | S 00° 04' 27" E | 10.00' |
| L20 | S 89° 55' 13" W | 25.00' |
| L21 | N 89° 55' 33" E | 5.00' |
| L22 | N 89° 55' 33" E | 5.00' |
| L23 | S 00° 04' 27" E | 30.00' |
| L24 | S 89° 54' 57" W | 5.00' |

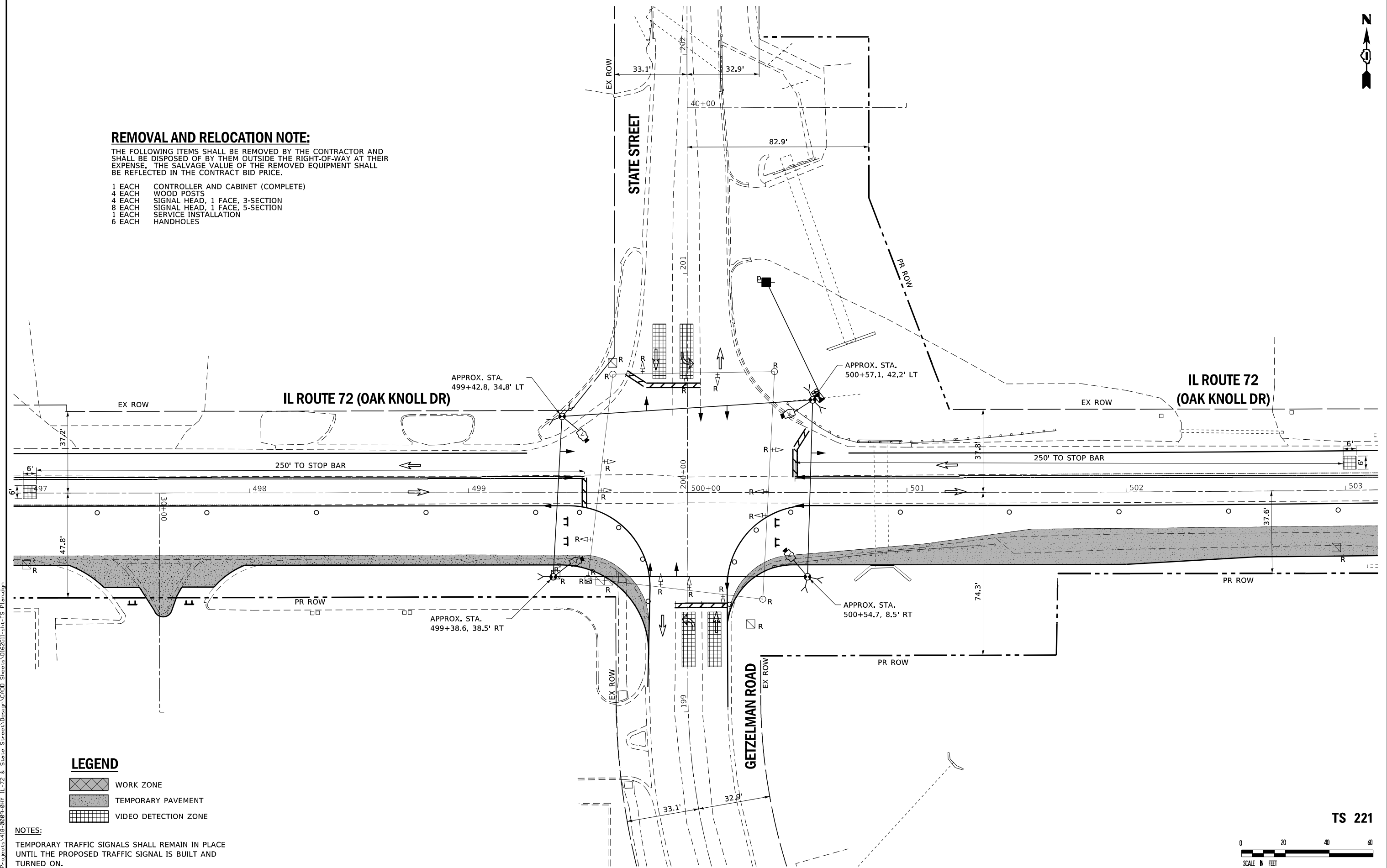
| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|----------------|------------------|--------------------------------|
| ILY0009TE | 0.272 | N/A | N/A | 0.272 | 0.012 | | 01-27-151-007 |
| ILY0010 | 1.274 | 0.575 | 0.344 | 0.699 | 0.073 | | 01-27-151-030 01-27-151-024 |
| ILY0015TE | 0.098 | N/A | N/A | 0.098 | 0.006 | 250 | 01-27-151-026 |



REMOVAL AND RELOCATION NOTE:

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)
- 4 EACH WOOD POSTS
- 4 EACH SIGNAL HEAD, 1 FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1 FACE, 5-SECTION
- 1 EACH SERVICE INSTALLATION
- 6 EACH HANDHOLES



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- VIDEO DETECTION ZONE

NOTES:

TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN PLACE UNTIL THE PROPOSED TRAFFIC SIGNAL IS BUILT AND TURNED ON.

TS 221



FILE NAME: S:\Projects\418-00091\041-IL-72 & State Street\Design\CADD Sheets\0162G11-sh1-TS_Plan.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS1 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

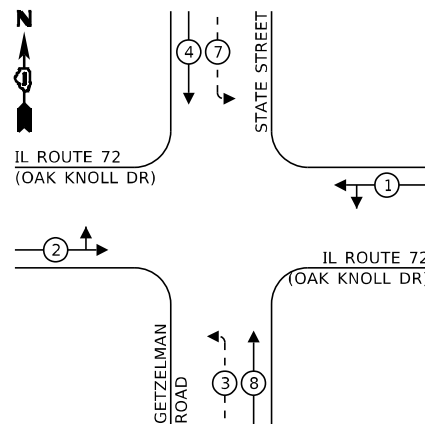
**PRE-STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
AND REMOVE EXISTING SIGNAL EQUIPMENT PLAN
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE 1"=20' SHEET 1 OF 13 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 147 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

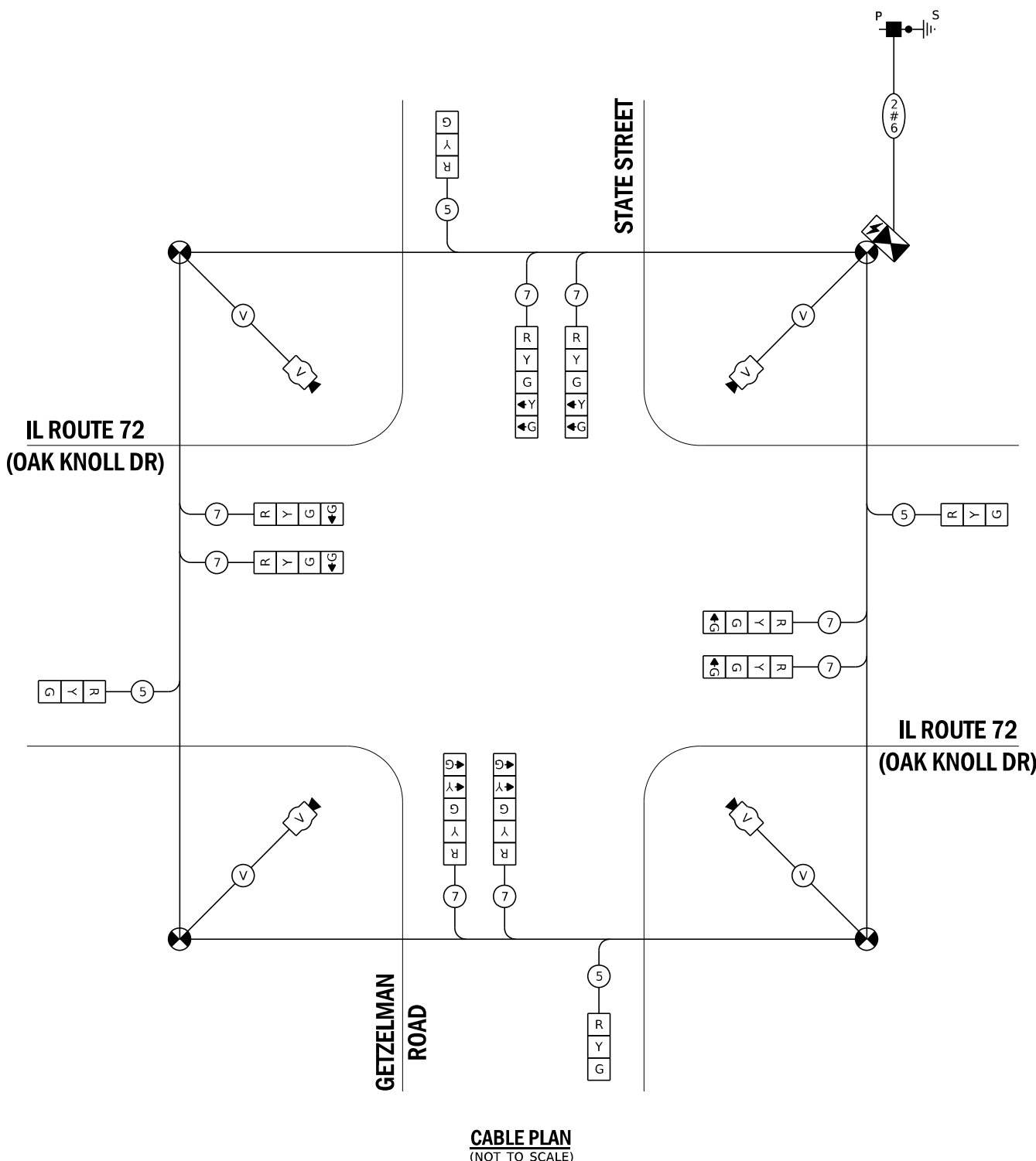


TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← - (⊙) - ← PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ↕ OL OVERLAP
- ↕ FF FREE FLOW

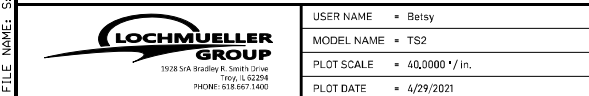


CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 12 | 17 | 0.50 | 102.00 |
| (YELLOW) | 12 | 25 | 0.05 | 15.00 |
| (GREEN) | 16 | 15 | 0.45 | 108.00 |
| PERMISSIVE ARROW | 8 | 12 | 0.10 | 9.60 |
| PED. SIGNAL | - | 25 | 1.00 | - |
| CONTROLLER | 1 | 100 | 1.00 | 100.0 |
| UPS | 1 | 25 | 1.00 | 25.00 |
| VIDEO SYSTEM | 1 | 150 | 1.00 | 150.00 |
| BLANK-OUT SIGN | - | - | - | - |
| FLASHER | - | - | 0.50 | - |
| STREET NAME SIGN | - | - | - | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 509.60 |

ENERGY COSTS TO:
VILLAGE OF HAMPSHIRE
 234 S, STATE STREET, PO BOX 457
 HAMPSHIRE, IL 60140-0457
 ENERGY SUPPLY: CONTACT: MIKE LENNOX
 PHONE: (815) 490-2869
 COMPANY: COMED
 ACCOUNT NUMBER: 2244132001



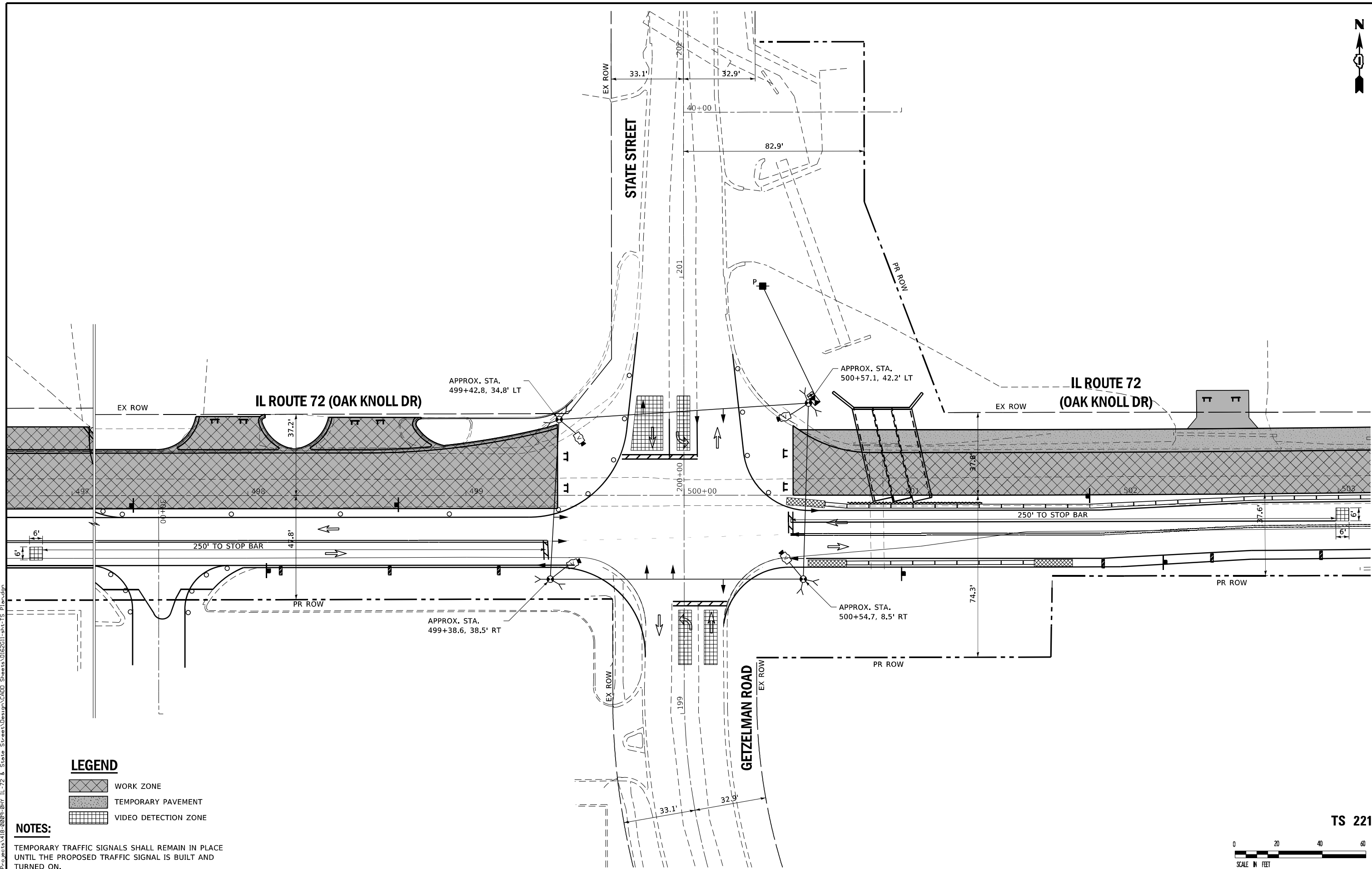
| | |
|-------------------|-----------|
| DESIGNED - ESW | REVISED - |
| DRAWN - LEC | REVISED - |
| CHECKED - BRM | REVISED - |
| DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE 1 TEMPORARY CABLE PLAN, AND
TEMPORARY PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

| | | | | |
|--|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 148 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-R465(S49) | | | | |

FILE NAME: S:\Projects\118-2009-04Y_IL-72 & State Street Design\CADD_Sheets\0162011-sh-15_Plan.dgn



FILE NAME: S:\Projects\418-00091-04\11-72 & State Street\Design\CADD_Sheets\0162011-sh1-TS_Plan.dgn

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- VIDEO DETECTION ZONE

NOTES:

TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN PLACE UNTIL THE PROPOSED TRAFFIC SIGNAL IS BUILT AND TURNED ON.

TS 221



| | | | | | |
|------------|-------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS3 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,00000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

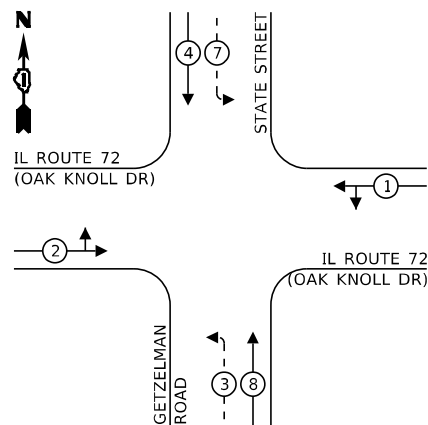
**STAGE 1A TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE 1"=20' SHEET 3 OF 13 SHEETS STA. TO STA.

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 149 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |



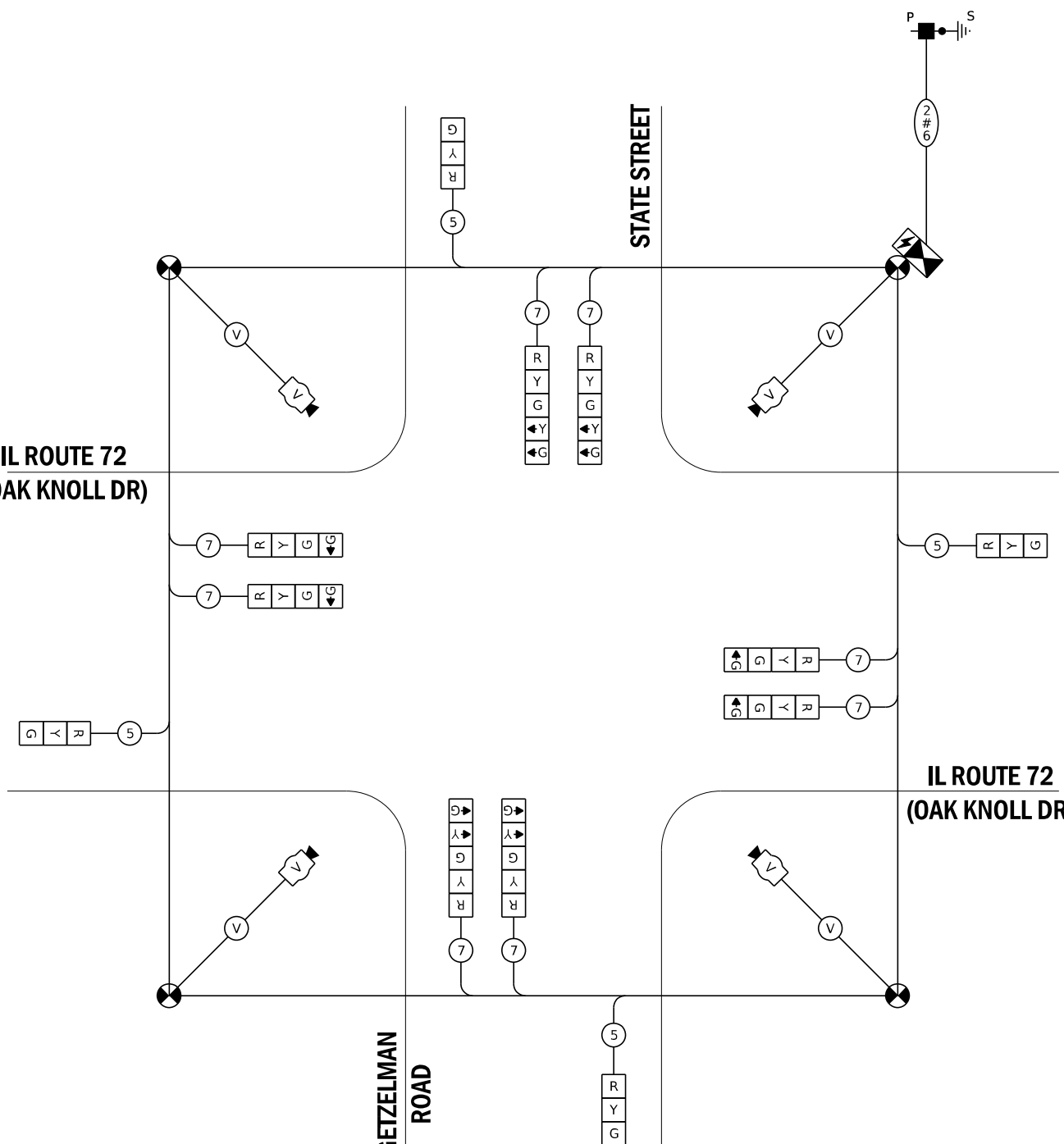
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP
- ← ⊙ FF FREE FLOW

**IL ROUTE 72
(OAK KNOLL DR)**



CABLE PLAN
(NOT TO SCALE)

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 12 | 17 | 0.50 | 102.00 |
| (YELLOW) | 12 | 25 | 0.05 | 15.00 |
| (GREEN) | 16 | 15 | 0.45 | 108.00 |
| PERMISSIVE ARROW | 8 | 12 | 0.10 | 9.60 |
| PED. SIGNAL | - | 25 | 1.00 | - |
| CONTROLLER | 1 | 100 | 1.00 | 100.0 |
| UPS | 1 | 25 | 1.00 | 25.00 |
| VIDEO SYSTEM | 1 | 150 | 1.00 | 150.00 |
| BLANK-OUT SIGN | - | - | - | - |
| FLASHER | - | - | 0.50 | - |
| STREET NAME SIGN | - | - | - | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 509.60 |

ENERGY COSTS TO:

VILLAGE OF HAMPSHIRE
234 S, STATE STREET, PO BOX 457
HAMPSHIRE, IL 60140-0457

ENERGY SUPPLY: CONTACT: MIKE LENNOX
PHONE: (815) 490-2869
COMPANY: COMED
ACCOUNT NUMBER: 2244132001

FILE NAME: S:\Projects\118-2009-04Y_IL-72 & State Street Design\CADD_Sheets\0162011-sh-15_Plan.dgn



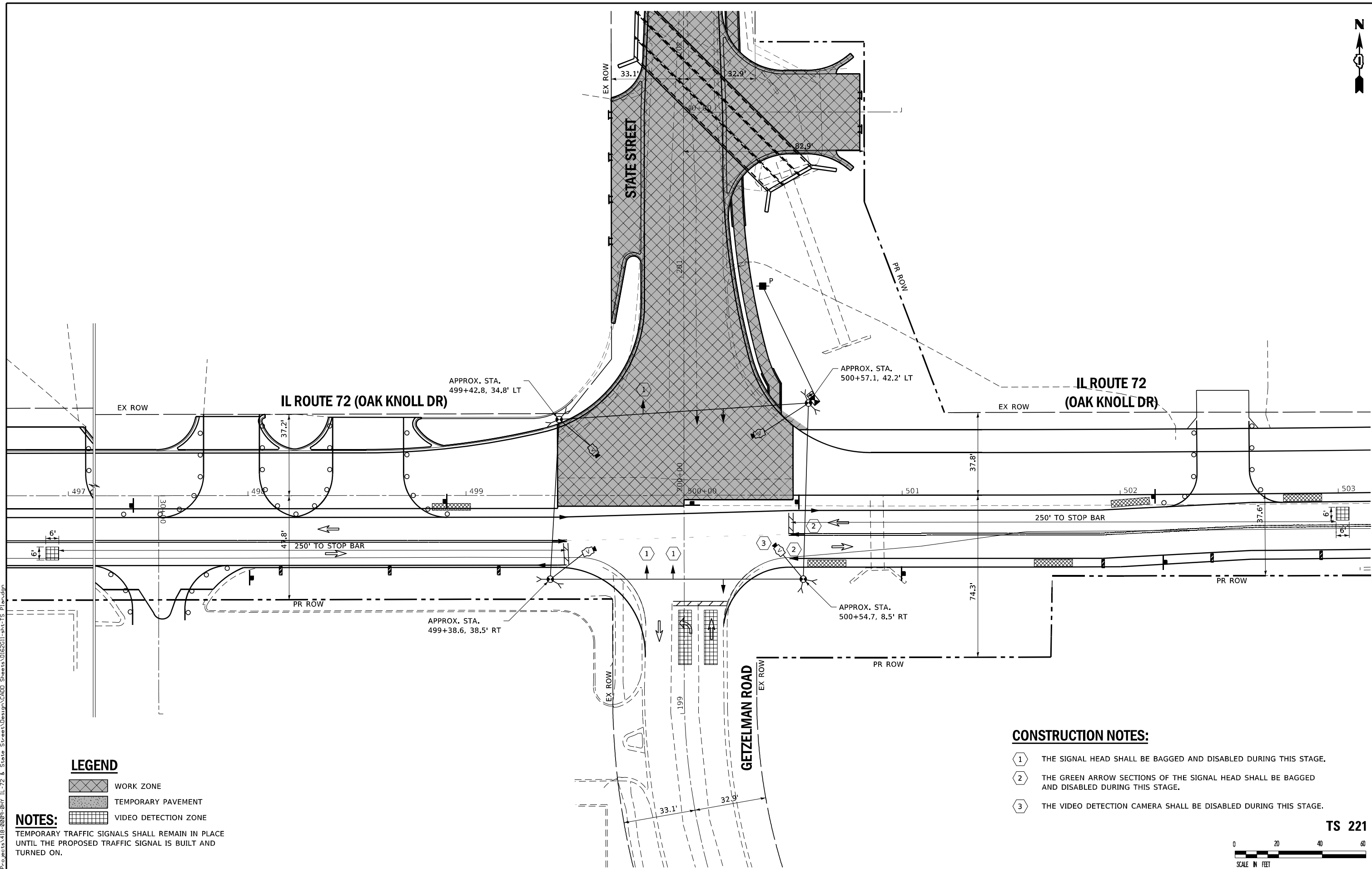
| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| MODEL NAME = TS4 | DRAWN - LEC | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - BRM | REVISED - |
| PLOT DATE = 4/29/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1A TEMPORARY CABLE PLAN, AND
TEMPORARY PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**
SCALE: NONE SHEET 4 OF 13 SHEETS STA. TO STA.

| | | | | |
|--|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 150 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(S49) | | | | |

TS 221



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- VIDEO DETECTION ZONE

NOTES:
 TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN PLACE UNTIL THE PROPOSED TRAFFIC SIGNAL IS BUILT AND TURNED ON.

CONSTRUCTION NOTES:

- THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- THE GREEN ARROW SECTIONS OF THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- THE VIDEO DETECTION CAMERA SHALL BE DISABLED DURING THIS STAGE.

TS 221



| | | | | | |
|------------|-------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS5 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,00000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1B TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE: 1"=20' SHEET 5 OF 13 SHEETS STA. TO STA.

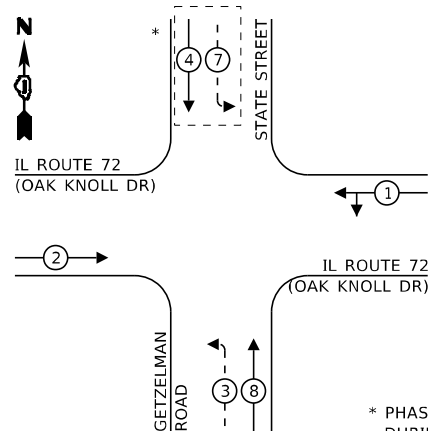
| | | | | |
|--------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 151 |
| CONTRACT NO. 62G11 | | | | |

ILLINOIS FED. AID PROJECT NHPP-K465(549)

FILE NAME: S:\Projects\418-00091-001\IL-72 & State Street\Design\CADD_Sheets\0162G11-sh1-TS_Plan.dgn



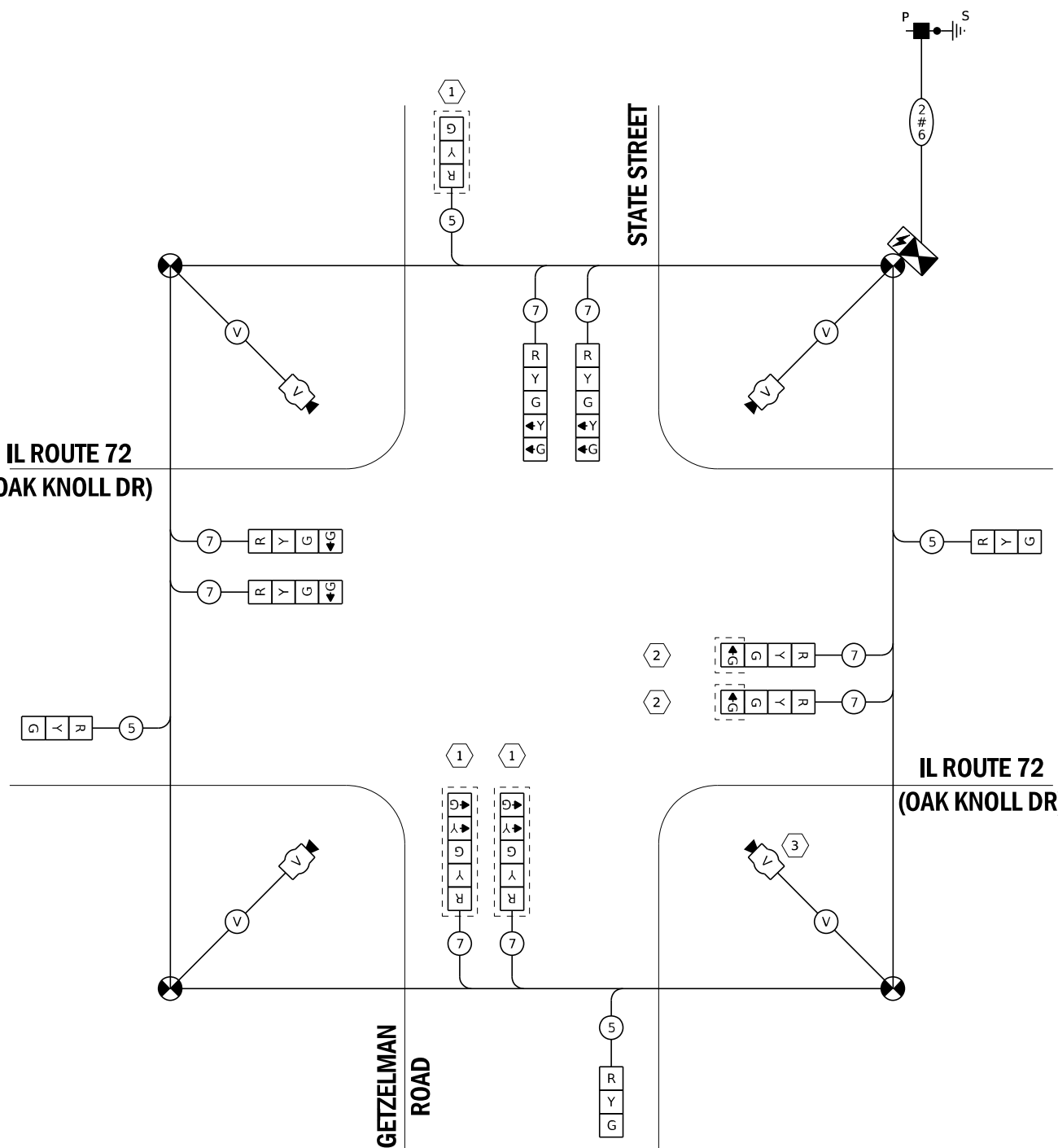
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP
- ← ⊙ FF FREE FLOW

**IL ROUTE 72
(OAK KNOLL DR)**



**IL ROUTE 72
(OAK KNOLL DR)**

CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

- ① THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- ② THE GREEN ARROW SECTIONS OF THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- ③ THE VIDEO DETECTION CAMERA SHALL BE DISABLED DURING THIS STAGE.

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 9 | 17 | 0.50 | 76.50 |
| (YELLOW) | 9 | 25 | 0.05 | 11.25 |
| (GREEN) | 11 | 15 | 0.45 | 74.25 |
| PERMISSIVE ARROW | 4 | 12 | 0.10 | 4.80 |
| PED. SIGNAL | - | 25 | 1.00 | - |
| CONTROLLER | 1 | 100 | 1.00 | 100.0 |
| UPS | 1 | 25 | 1.00 | 25.00 |
| VIDEO SYSTEM | 1 | 150 | 1.00 | 150.00 |
| BLANK-OUT SIGN | - | - | - | - |
| FLASHER | - | - | 0.50 | - |
| STREET NAME SIGN | - | - | - | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 441.80 |

ENERGY COSTS TO:

VILLAGE OF HAMPSHIRE
234 S, STATE STREET, PO BOX 457
HAMPSHIRE, IL 60140-0457

ENERGY SUPPLY: CONTACT: MIKE LENNOX
PHONE: (815) 490-2869
COMPANY: COMED
ACCOUNT NUMBER: 2244132001

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| MODEL NAME = TS6 | DRAWN - LEC | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - BRM | REVISED - |
| PLOT DATE = 4/29/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

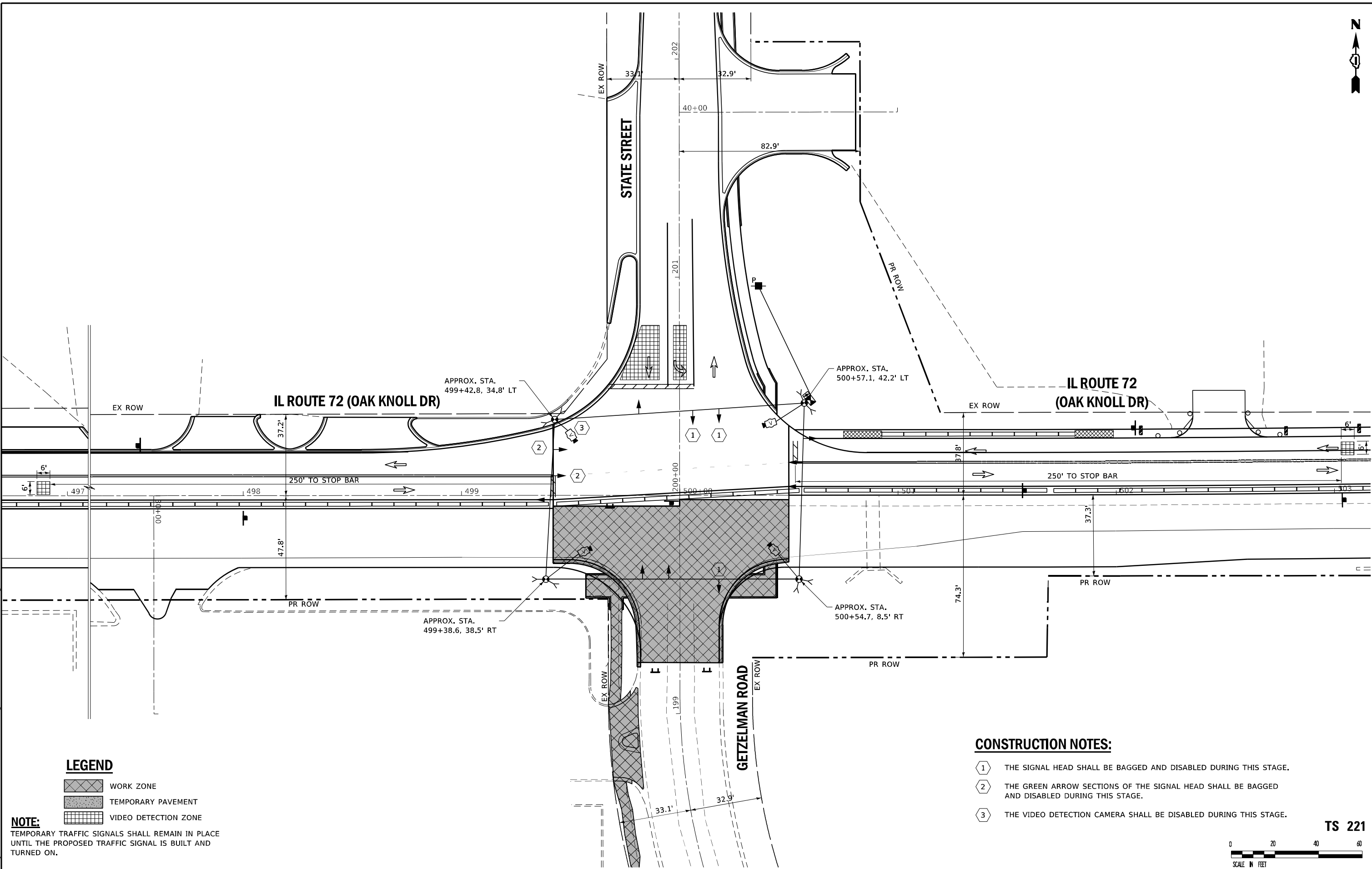
**STAGE 1B TEMPORARY CABLE PLAN, AND
TEMPORARY PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCAL: NONE SHEET 6 OF 13 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 152 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(S49) | | | | |

TS 221

FILE NAME: S:\Projects\118-2009-04Y_IL-72 & State Street Design\CADD_Sheets\0162011-sh-15_Plan.dgn



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- VIDEO DETECTION ZONE

NOTE:
 TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN PLACE
 UNTIL THE PROPOSED TRAFFIC SIGNAL IS BUILT AND
 TURNED ON.

CONSTRUCTION NOTES:

- ① THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- ② THE GREEN ARROW SECTIONS OF THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- ③ THE VIDEO DETECTION CAMERA SHALL BE DISABLED DURING THIS STAGE.

TS 221



USER NAME = Betsy
 MODEL NAME = TS7
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 4/29/2021

DESIGNED - ESW
 DRAWN - LEC
 CHECKED - BRM
 DATE - 11/25/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2A TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

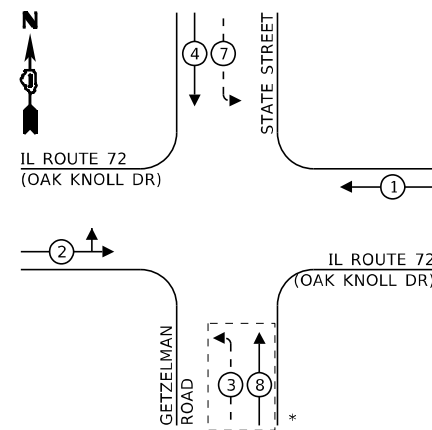
SCALE: 1"=20' SHEET 7 OF 13 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 153 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

FILE NAME: S:\Projects\418-00091-001\IL-72 & State Street\Design\CADD Sheets\0162G11-phr-TS_Plan.dgn



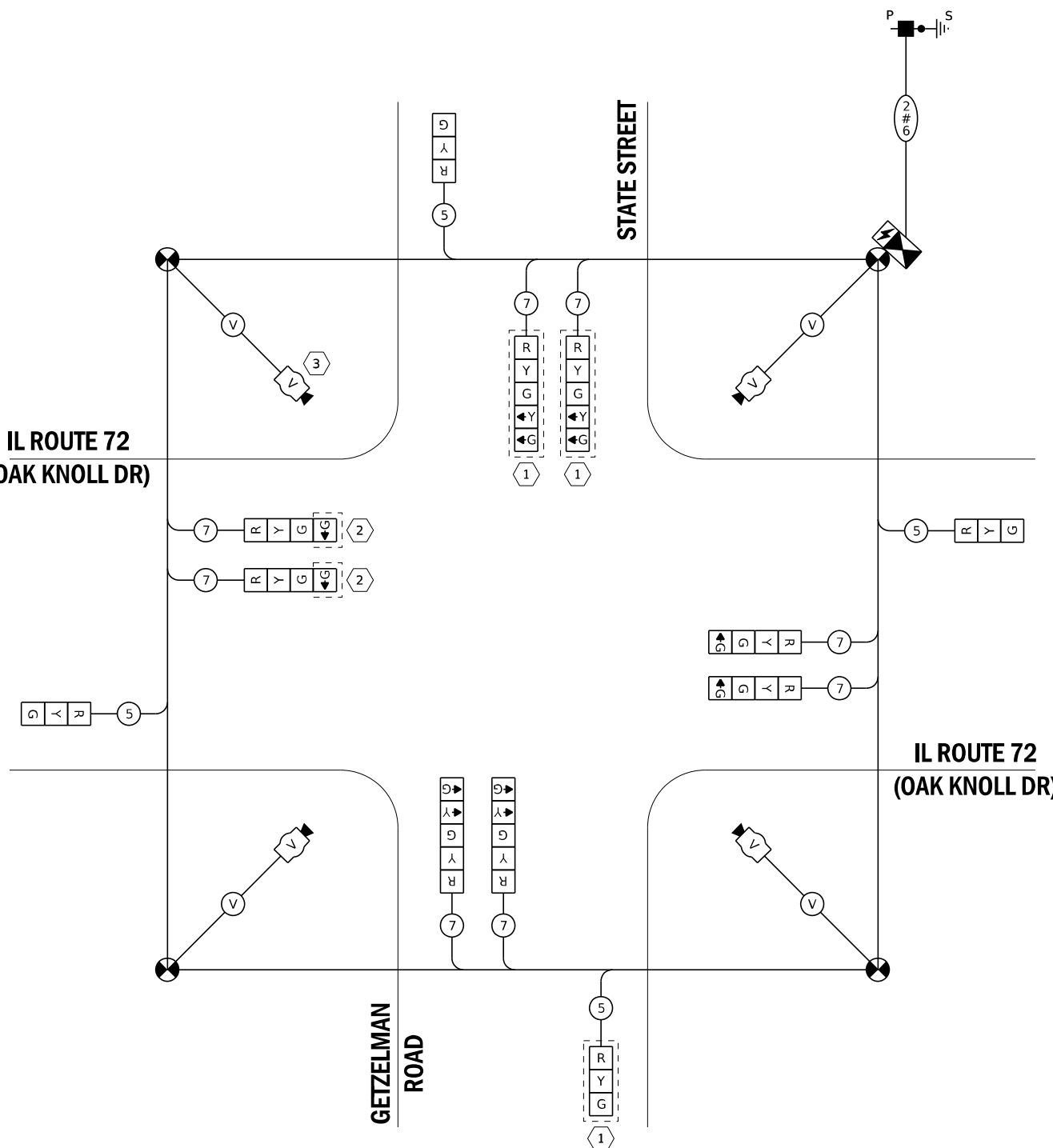
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP
- ← ⊙ FF FREE FLOW

**IL ROUTE 72
(OAK KNOLL DR)**



CABLE PLAN
(NOT TO SCALE)

**IL ROUTE 72
(OAK KNOLL DR)**

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 9 | 17 | 0.50 | 76.50 |
| (YELLOW) | 9 | 25 | 0.05 | 11.25 |
| (GREEN) | 11 | 15 | 0.45 | 74.25 |
| PERMISSIVE ARROW | 4 | 12 | 0.10 | 4.80 |
| PED. SIGNAL | - | 25 | 1.00 | - |
| CONTROLLER | 1 | 100 | 1.00 | 100.0 |
| UPS | 1 | 25 | 1.00 | 25.00 |
| VIDEO SYSTEM | 1 | 150 | 1.00 | 150.00 |
| BLANK-OUT SIGN | - | - | - | - |
| FLASHER | - | - | 0.50 | - |
| STREET NAME SIGN | - | - | - | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 441.80 |

ENERGY COSTS TO:

VILLAGE OF HAMPSHIRE
234 S, STATE STREET, PO BOX 457
HAMPSHIRE, IL 60140-0457

ENERGY SUPPLY: CONTACT: MIKE LENNOX
PHONE: (815) 490-72869
COMPANY: COMED
ACCOUNT NUMBER: 2244132001

CONSTRUCTION NOTES:

- ① THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- ② THE GREEN ARROW SECTIONS OF THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED DURING THIS STAGE.
- ③ THE VIDEO DETECTION CAMERA SHALL BE DISABLED DURING THIS STAGE.

TS 221

FILE NAME: S:\Projects\118-20209-001\118-20209-001-IL-72 & State Street Design\CADD Sheets\0162011-sh-t-S-Plan.dgn

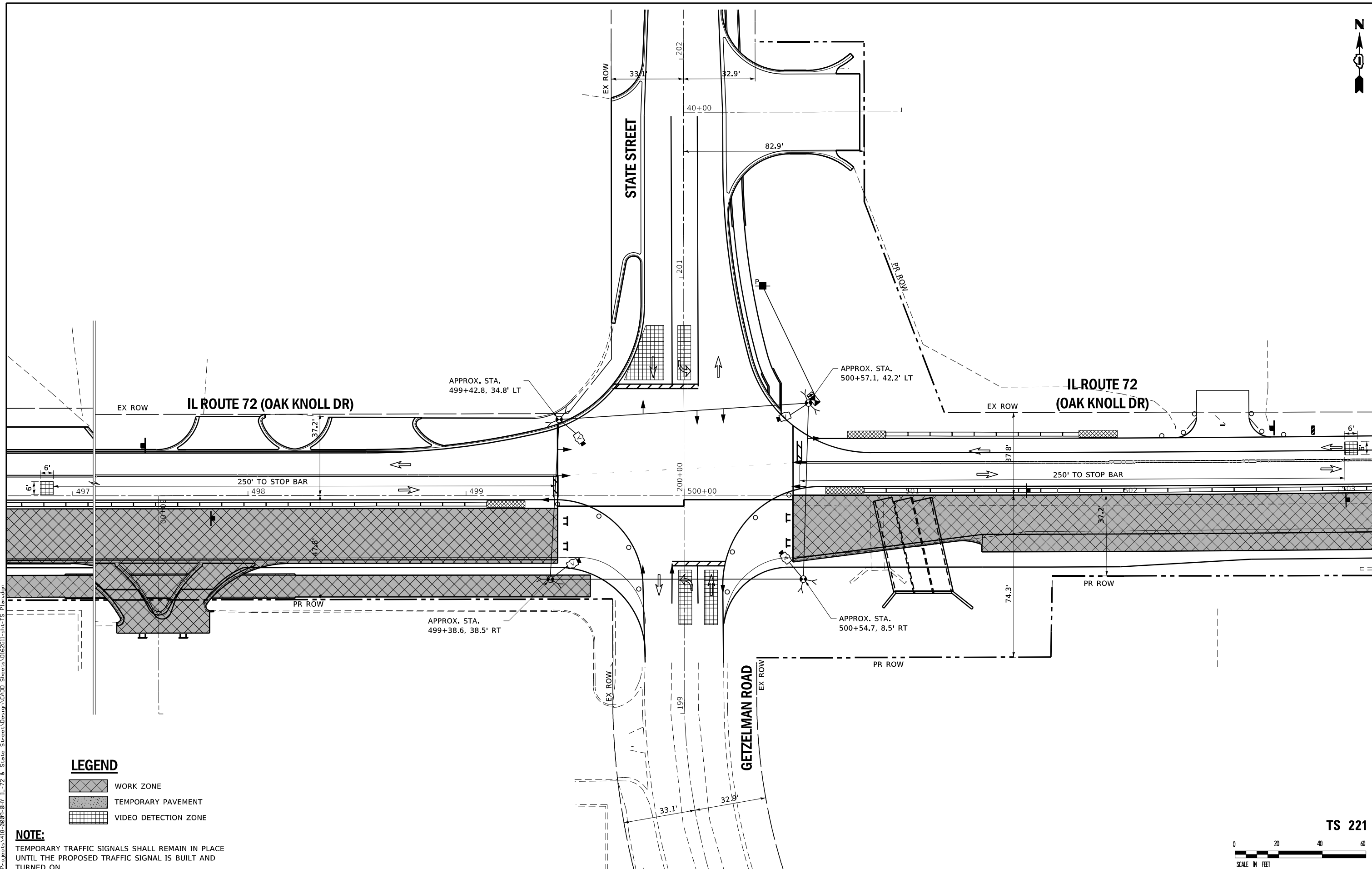
| | | | |
|--|-----------------------------|-------------------|-----------|
| | USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| | MODEL NAME = TS8 | DRAWN - LEC | REVISED - |
| | PLOT SCALE = 40,0000' / in. | CHECKED - BRM | REVISED - |
| | PLOT DATE = 4/29/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 2A TEMPORARY CABLE PLAN, AND
TEMPORARY PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE: NONE SHEET 8 OF 13 SHEETS STA. TO STA.

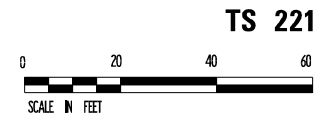
| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 154 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(S49) | | | | |



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- VIDEO DETECTION ZONE

NOTE:
 TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN PLACE UNTIL THE PROPOSED TRAFFIC SIGNAL IS BUILT AND TURNED ON.



FILE NAME: S:\Projects\418-00091-01\IL-72 & State Street\Design\CADD_Sheets\0162011-shr-15_Plan.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS9 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

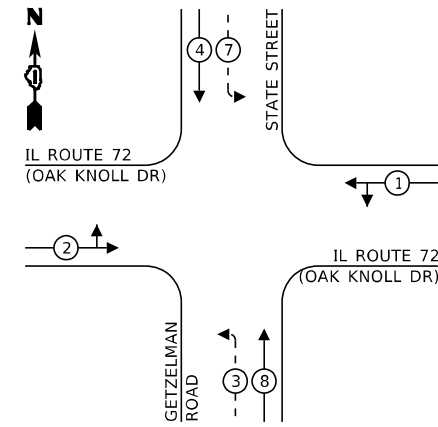
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2B TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE: 1"=20' SHEET 9 OF 13 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 155 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

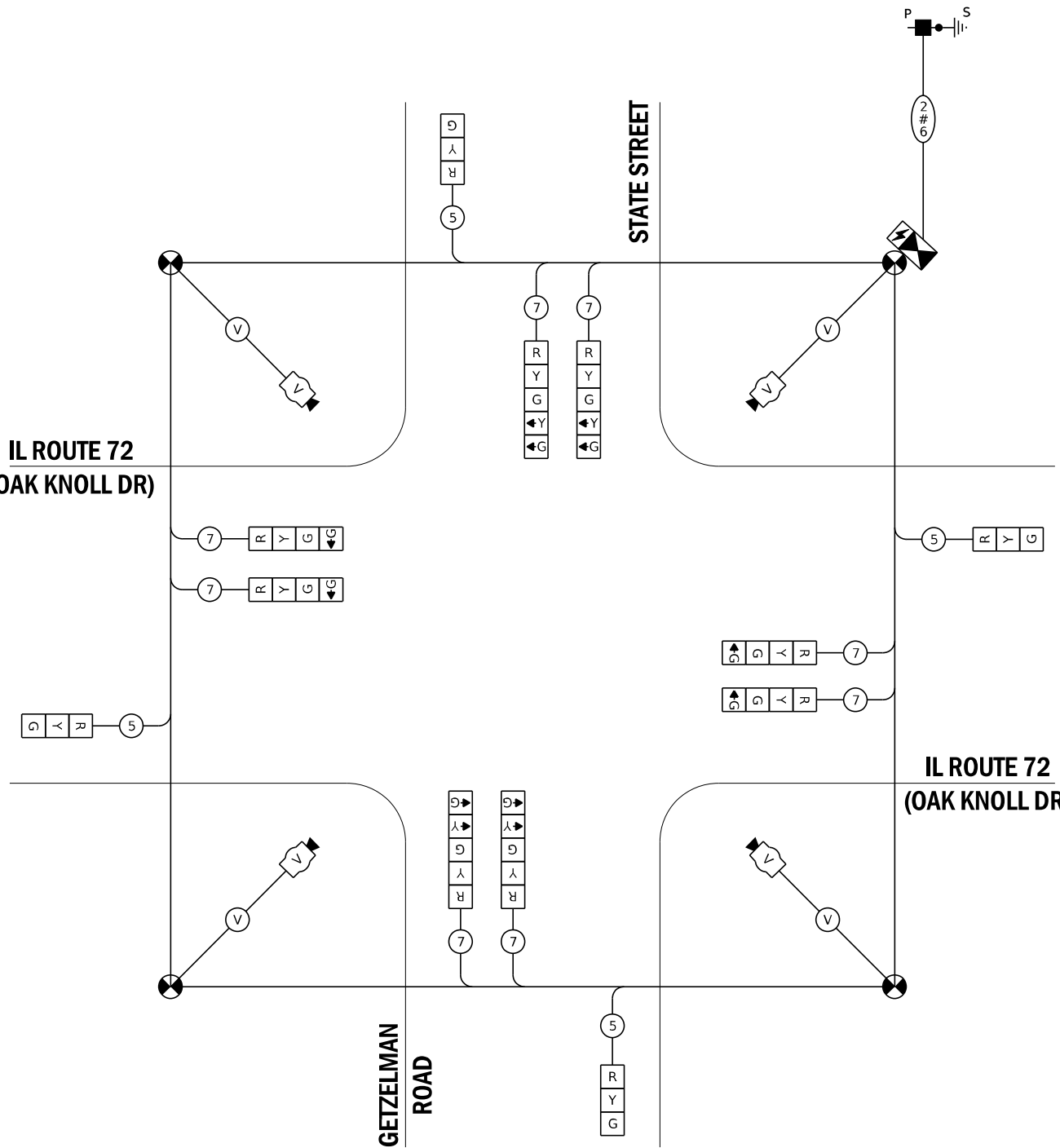
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ ⊖ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ ⊖ → OL OVERLAP
- ← ⊙ → FF FREE FLOW

**IL ROUTE 72
(OAK KNOLL DR)**



CABLE PLAN
(NOT TO SCALE)

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 12 | 17 | 0.50 | 102.00 |
| (YELLOW) | 12 | 25 | 0.05 | 15.00 |
| (GREEN) | 16 | 15 | 0.45 | 108.00 |
| PERMISSIVE ARROW | 8 | 12 | 0.10 | 9.60 |
| PED. SIGNAL | - | 25 | 1.00 | - |
| CONTROLLER | 1 | 100 | 1.00 | 100.0 |
| UPS | 1 | 25 | 1.00 | 25.00 |
| VIDEO SYSTEM | 1 | 150 | 1.00 | 150.00 |
| BLANK-OUT SIGN | - | - | - | - |
| FLASHER | - | - | 0.50 | - |
| STREET NAME SIGN | - | - | - | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 509.60 |

ENERGY COSTS TO:

VILLAGE OF HAMPSHIRE
234 S, STATE STREET, PO BOX 457
HAMPSHIRE, IL 60140-0457

ENERGY SUPPLY: CONTACT: MIKE LENNOX
PHONE: (630) 576-7094
COMPANY: COMED
ACCOUNT NUMBER: 2244132001

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| MODEL NAME = TS10 | DRAWN - LEC | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - BRM | REVISED - |
| PLOT DATE = 4/29/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

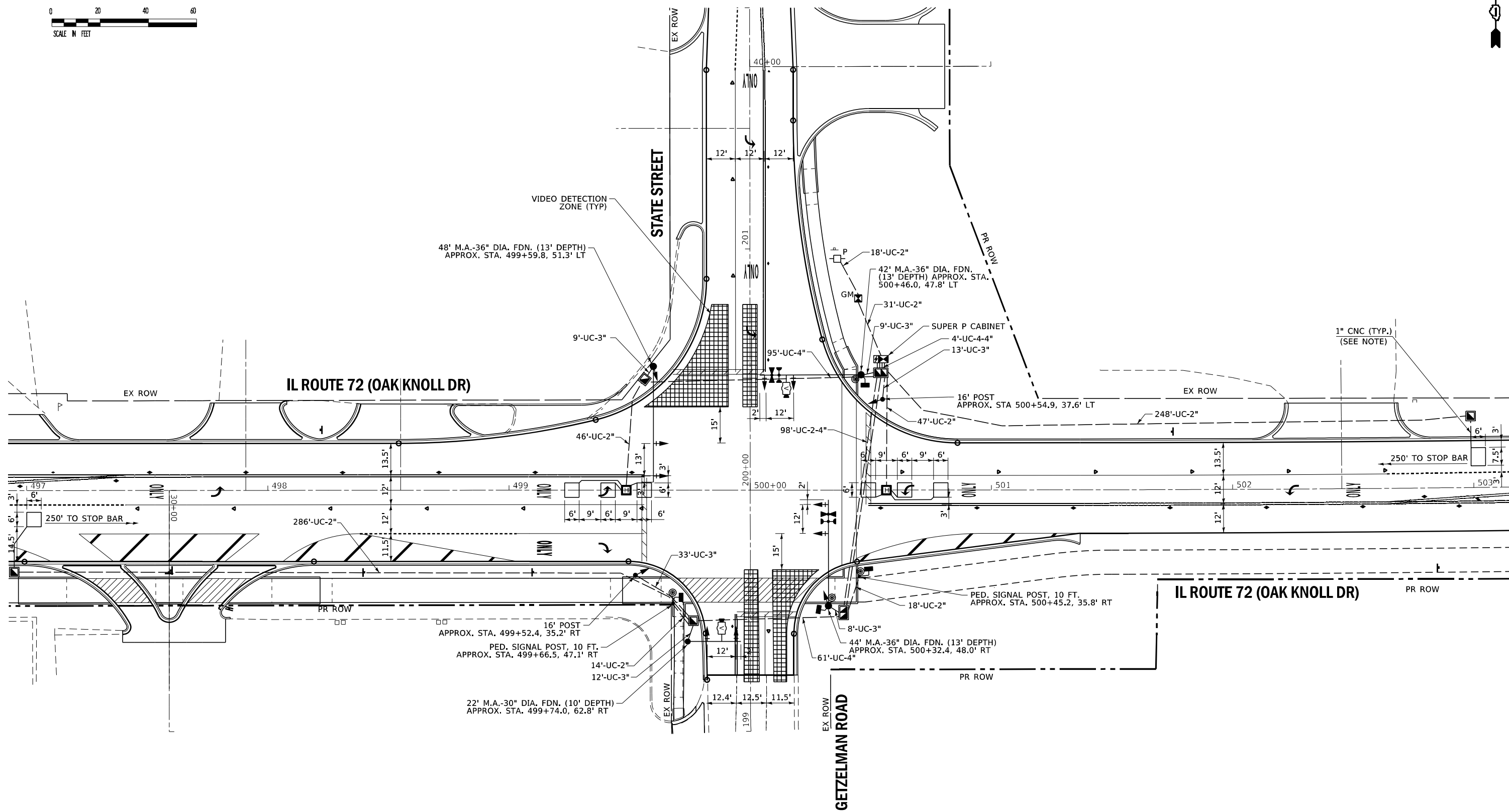
**STAGE 2B TEMPORARY CABLE PLAN, AND
TEMPORARY PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE: NONE SHEET 10 OF 13 SHEETS STA. TO STA.

| | | | | |
|--|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 156 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

TS 221

FILE NAME: S:\Projects\118-2009-04Y_IL-72 & State Street\Design\CADD_Sheets\0162011-sh-TS_Plan.dgn



- NOTE:**
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

FILE NAME: S:\Projects\418-2009\04\IL-72 & State Street\Design\CADD_Sheets\0162011-shr-TS_Plan.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS11 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

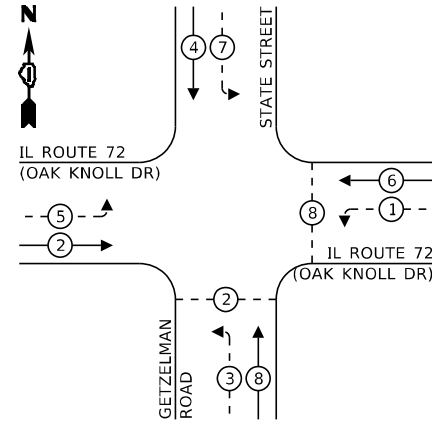
**TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**

SCALE: 1"=20' SHEET 11 OF 13 SHEETS STA. TO STA.

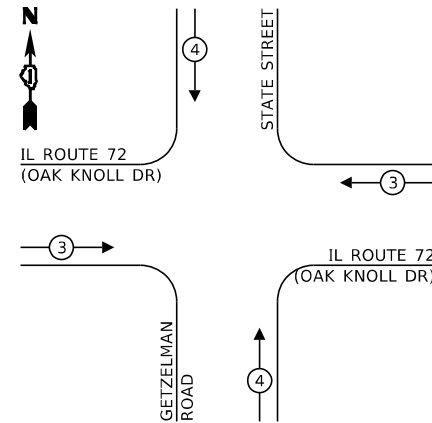
| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 157 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |

TS 221

PROPOSED CONTROLLER SEQUENCE



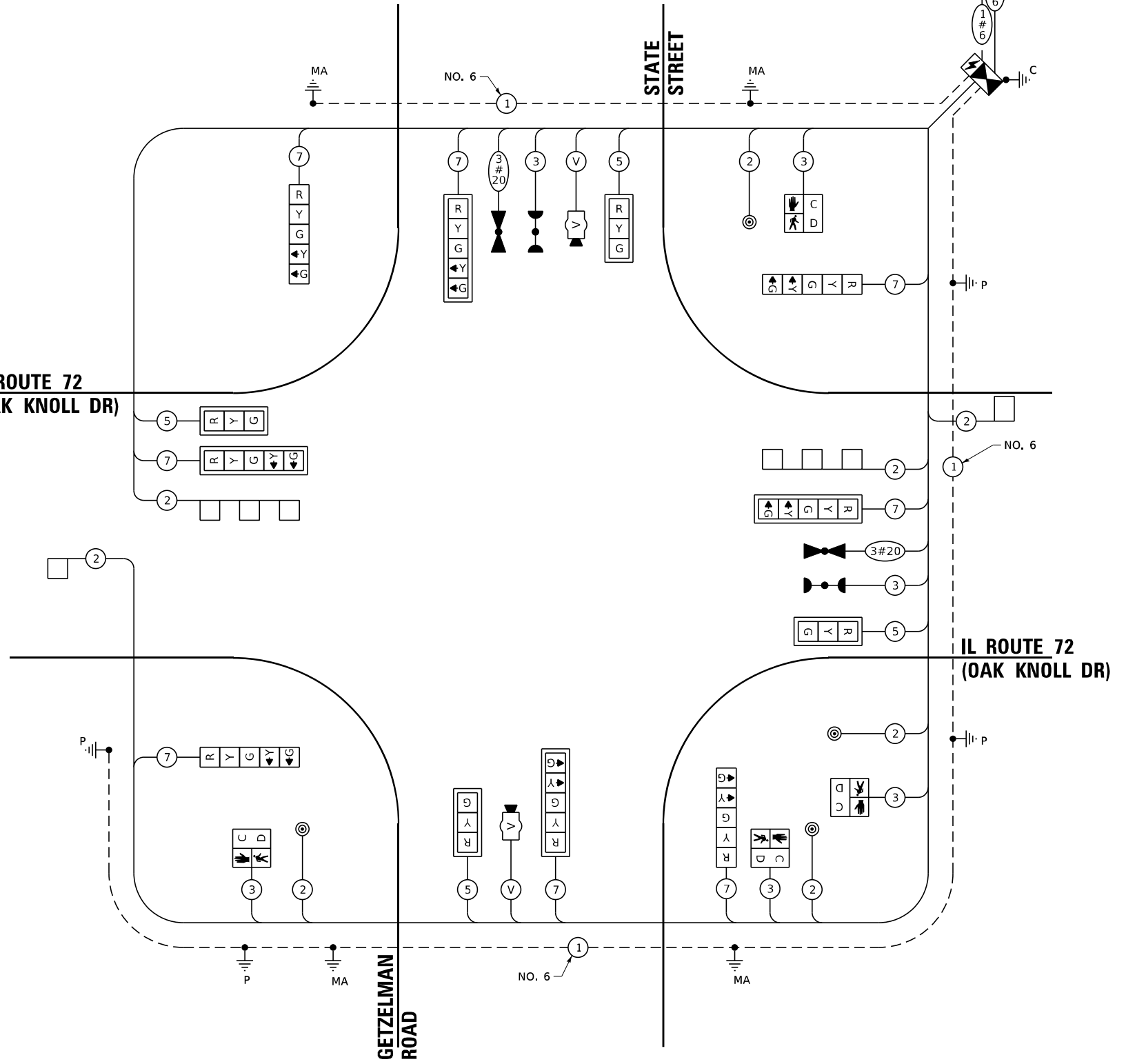
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- OL OVERLAP
- FF FREE FLOW

**IL ROUTE 72
(OAK KNOLL DR)**



CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 12 | 17 | 0.50 | 102.00 |
| (YELLOW) | 12 | 25 | 0.05 | 15.00 |
| (GREEN) | 12 | 15 | 0.45 | 81.00 |
| PERMISSIVE ARROW | 16 | 12 | 0.10 | 14.40 |
| PED. SIGNAL | 4 | 25 | 1.00 | 100.00 |
| CONTROLLER | 1 | 100 | 1.00 | 100.00 |
| UPS | 1 | 25 | 1.00 | 25.00 |
| VIDEO SYSTEM | 1 | 150 | 1.00 | 150.00 |
| BLANK-OUT SIGN | - | - | - | - |
| FLASHER | - | - | 0.50 | - |
| STREET NAME SIGN | - | - | - | - |
| LUMINAIRE | - | 25 | 0.05 | - |
| TOTAL = | | | | 592.20 |

ENERGY COSTS TO:
VILLAGE OF HAMPSHIRE
 234 S, STATE STREET, PO BOX 457
 HAMPSHIRE, IL 60140-0457
 ENERGY SUPPLY: CONTACT: MIKE LENNOX
 PHONE: (815) 490-2869
 COMPANY: COMED
 ACCOUNT NUMBER: 2244132001

LOCHMUELLER GROUP
 1928 S.W. Bradley R. Sparks Drive
 Troy, IL 62294
 PHONE: 618.667.1400

| | | |
|----------------------------|-------------------|-----------|
| USER NAME = Betsy | DESIGNED - ESW | REVISED - |
| MODEL NAME = TS12 | DRAWN - LEC | REVISED - |
| PLOT SCALE = 40,000' / in. | CHECKED - BRM | REVISED - |
| PLOT DATE = 4/29/2021 | DATE - 11/25/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 72 (OAK KNOLL DR) AT STATE STREET/GETZELMAN RD**
 SCALE: 1"=20' SHEET 12 OF 13 SHEETS STA. TO STA.

| | | | | |
|--|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 158 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(S49) | | | | |

TS 221

FILE NAME: S:\Projects\118-2009-04Y_IL-72 & State Street Design\CADD_Sheets\0162011-sh-15_Plan.dgn

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|---|-------|----------------|
| SIGN PANEL - TYPE 2 | SQ FT | 70 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 708 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 84 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 368 |
| HANDHOLE | EACH | 4 |
| HEAVY-DUTY HANDHOLE | EACH | 2 |
| DOUBLE HANDHOLE | EACH | 2 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 590 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 905 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 727 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 1401 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1045 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C | FOOT | 101 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 735 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 2 |
| STEEL MAST ARM ASSEMBLY AND POLE, 22 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 12 |
| CONCRETE FOUNDATION, TYPE C | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 10 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 39 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED | EACH | 4 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 4 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 8 |
| INDUCTIVE LOOP DETECTOR | EACH | 4 |
| DETECTOR LOOP, TYPE I | FOOT | 293 |
| * LIGHT DETECTOR | EACH | 2 |
| * LIGHT DETECTOR AMPLIFIER | EACH | 1 |
| * PEDESTRIAN PUSH-BUTTON | EACH | 4 |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| * REMOVE EXISTING HANDHOLE | EACH | 6 |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 300 |
| FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET | EACH | 1 |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 |
| PEDESTRIAN SIGNAL POST, 10 FT. | EACH | 2 |
| VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH | EACH | 2 |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |
| TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER | FOOT | 8 |

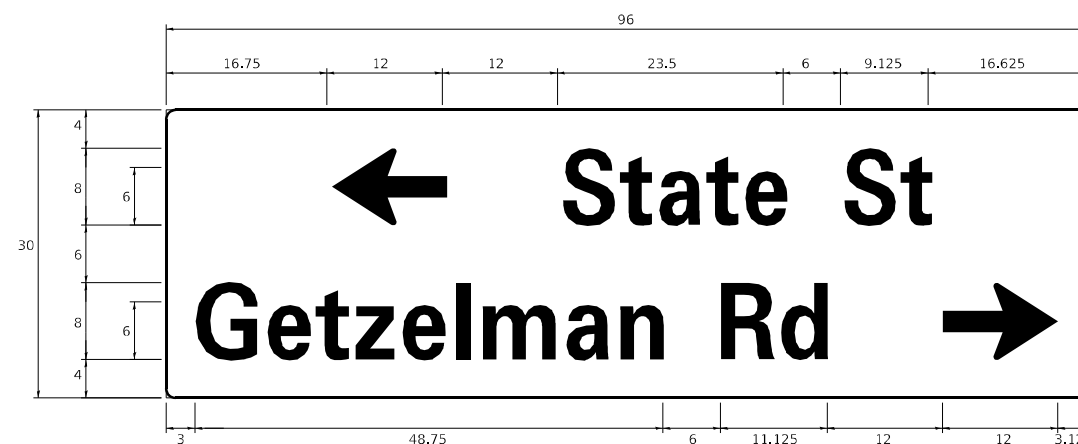
* 100% COST TO THE VILLAGE OF HAMPSHIRE

SIGN PANEL - TYPE 2

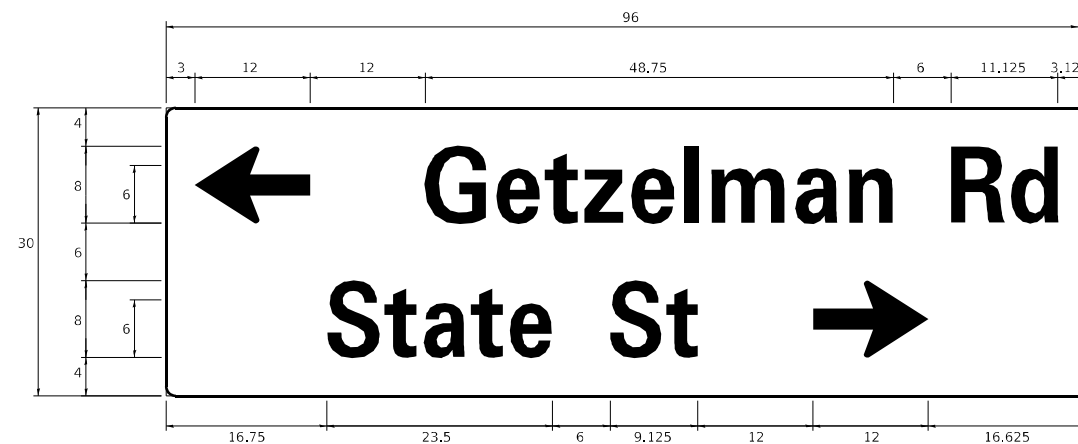
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 15.0 | 2 | ZZ | 2 |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 20.0 | 2 | ZZ | 1 |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 20.0 | 2 | ZZ | 1 |

FILE NAME: S:\Projects\418-00091-0HY_IL-72 & State Street Design\CADD_Sheets\0162011-sh-t15_S00.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TSQ 1 | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND
MAST ARM MOUNTED STREET NAME SIGNS
IL ROUTE 72 AND STATE STREET/GETZELMAN RD
SCALE: 1"=20' SHEET 13 OF 13 SHEETS STA. TO STA.

| | | | | |
|---|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 159 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K46(S49) | | | | |

TS 221

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

| ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED |
|---|----------|----------|--|----------|----------|---|----------|----------|
| CONTROLLER CABINET | | | HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD | | |
| COMMUNICATION CABINET | | | HEAVY DUTY HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE | | |
| MASTER CONTROLLER | | | DOUBLE HANDHOLE | | | PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS | | |
| MASTER MASTER CONTROLLER | | | JUNCTION BOX | | | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER | | |
| UNINTERRUPTABLE POWER SUPPLY | | | RAILROAD CANTILEVER MAST ARM | | | ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN" | | |
| SERVICE INSTALLATION -(P) POLE MOUNTED | | | RAILROAD FLASHING SIGNAL | | | NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED | | |
| SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED | | | RAILROAD CROSSING GATE | | | GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN) | | |
| TELEPHONE CONNECTION | | | RAILROAD CROSSBUCK | | | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C | | |
| STEEL MAST ARM ASSEMBLY AND POLE | | | RAILROAD CONTROLLER CABINET | | | COAXIAL CABLE | | |
| ALUMINUM MAST ARM ASSEMBLY AND POLE | | | UNDERGROUND CONDUIT (UC), GALVANIZED STEEL | | | VENDOR CABLE | | |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE | | | COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED | | |
| SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY | | | SYSTEM ITEM | | | FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F | | |
| WOOD POLE | | | INTERSECTION ITEM | | | GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE | | |
| GUY WIRE | | | REMOVE ITEM | | | | | |
| SIGNAL HEAD | | | RELOCATE ITEM | | | | | |
| SIGNAL HEAD WITH BACKPLATE | | | ABANDON ITEM | | | | | |
| SIGNAL HEAD OPTICALLY PROGRAMMED | | | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED | | | | | |
| FLASHER INSTALLATION -(FS) SOLAR POWERED | | | MAST ARM POLE AND FOUNDATION TO BE REMOVED | | | | | |
| PEDESTRIAN SIGNAL HEAD | | | SIGNAL POST AND FOUNDATION TO BE REMOVED | | | | | |
| PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON | | | DETECTOR LOOP, TYPE I | | | | | |
| RADAR DETECTION SENSOR | | | PREFORMED DETECTOR LOOP | | | | | |
| VIDEO DETECTION CAMERA | | | SAMPLING (SYSTEM) DETECTOR | | | | | |
| RADAR/VIDEO DETECTION ZONE | | | INTERSECTION AND SAMPLING (SYSTEM) DETECTOR | | | | | |
| PAN, TILT, ZOOM (PTZ) CAMERA | | | QUEUE AND SAMPLING (SYSTEM) DETECTOR | | | | | |
| EMERGENCY VEHICLE LIGHT DETECTOR | | | WIRELESS DETECTOR SENSOR | | | | | |
| CONFIRMATION BEACON | | | WIRELESS ACCESS POINT | | | | | |
| WIRELESS INTERCONNECT | | | | | | | | |
| WIRELESS INTERCONNECT RADIO REPEATER | | | | | | | | |

FILE NAME: S:\Projects\418-2009-04Y IL-72 & State Street\Design\CADD_Sheets\0162011-shr-District_Details.dgn



| | | | | | |
|------------|-------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS-05a | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,00000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

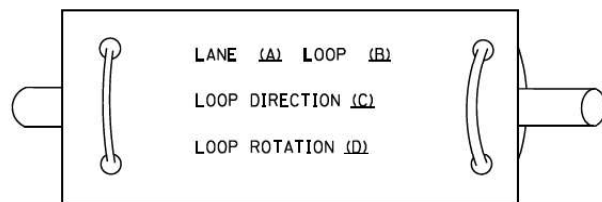
SCALING NONE SHEET 1 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|----------|--|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 161 |
| TS-05 | | CONTRACT NO. 62G11 | | |
| | | ILLINOIS FED. AID PROJECT NHP-465(649) | | |

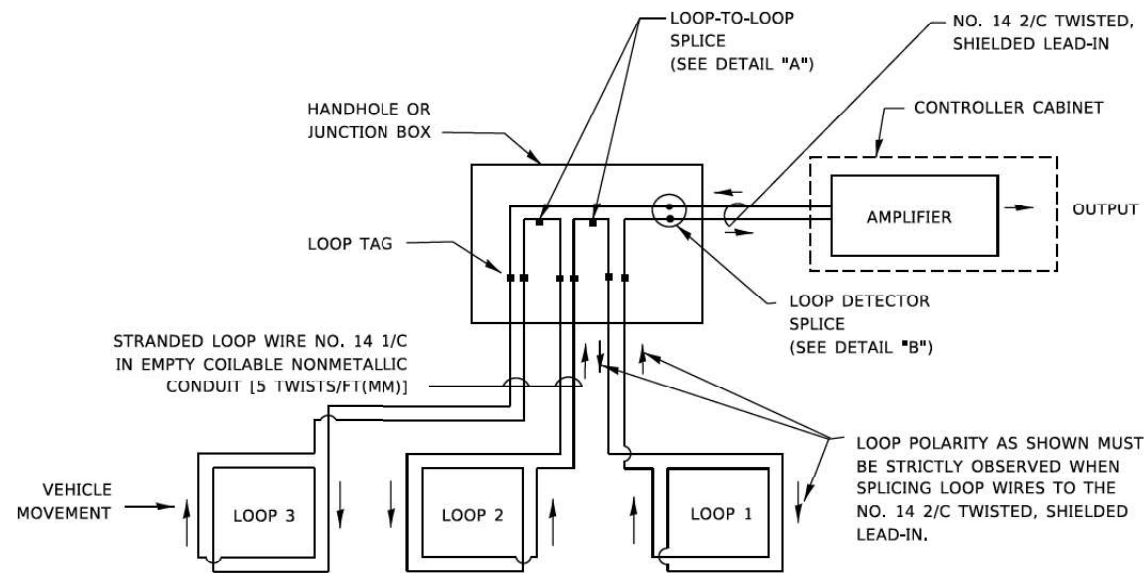
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT 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.

LOOP LEAD-IN CABLE TAG

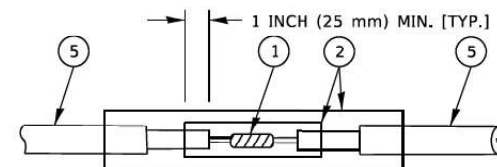


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

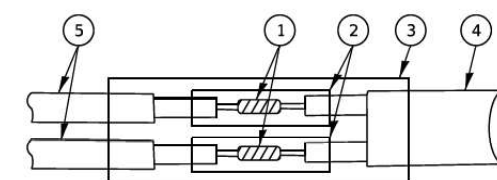


DETECTOR LOOP WIRING SCHEMATIC

- 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.

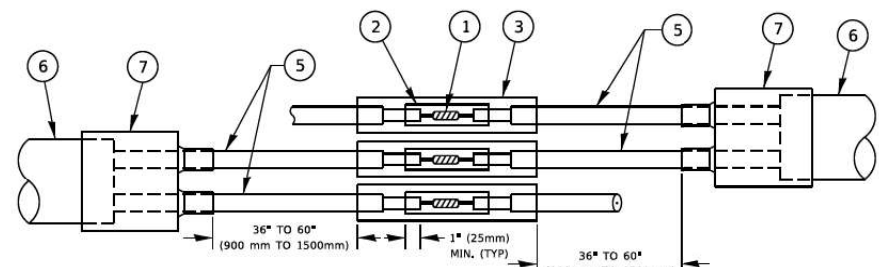


DETAIL "A"
LOOP-TO-LOOP SPLICE

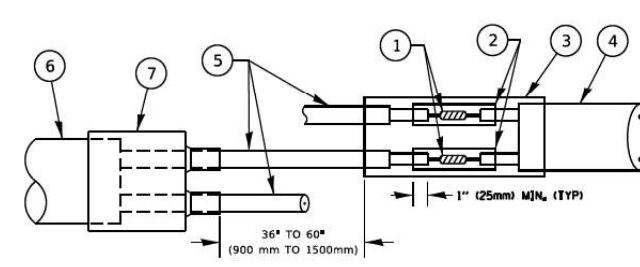


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 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, PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME: S:\P\Projects\418-00091\04HY IL-72 & State Street Design\CADD Sheets\0162G11-shr-District details.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS-05b | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

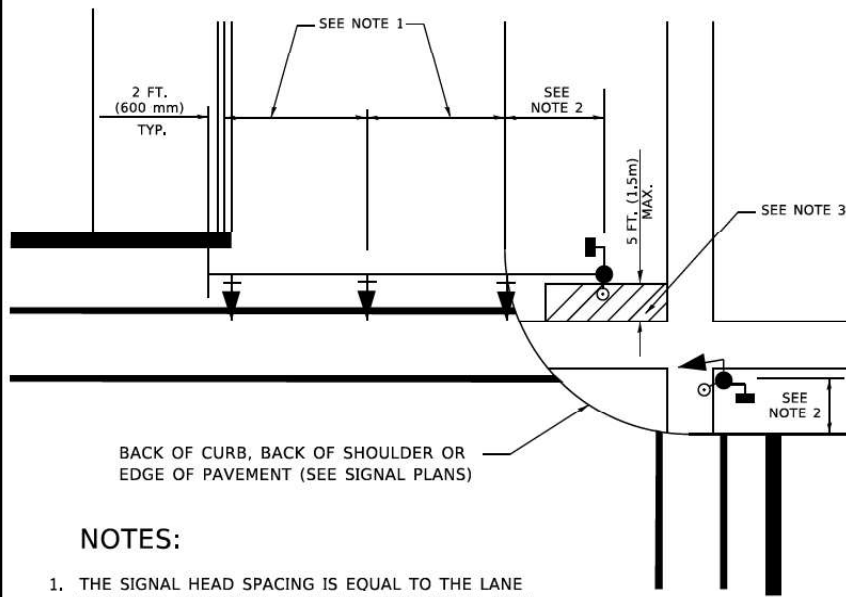
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALBNONE SHEET 2 OF 7 SHEETS STA. TO STA.

| | | | | |
|---|----------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 162 |
| TS-05 | | | CONTRACT NO. 62G11 | |
| ILLINOIS FED. AID PROJECT NHP-4465(549) | | | | |

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

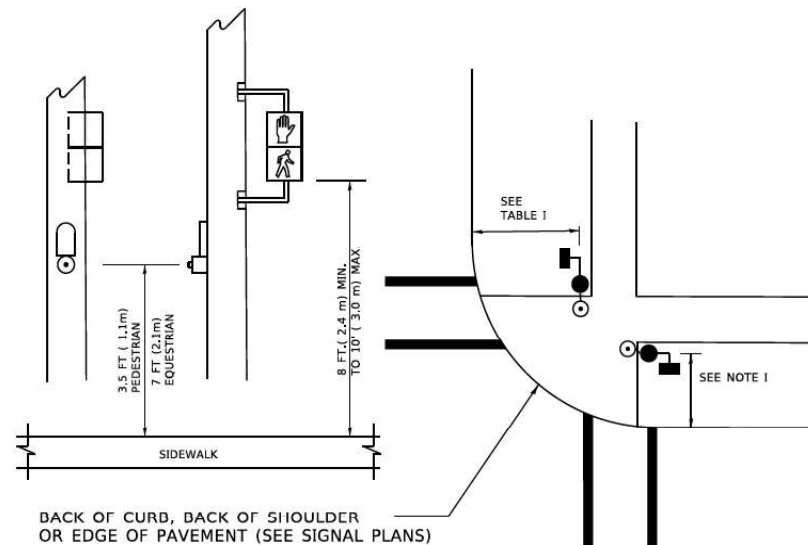
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

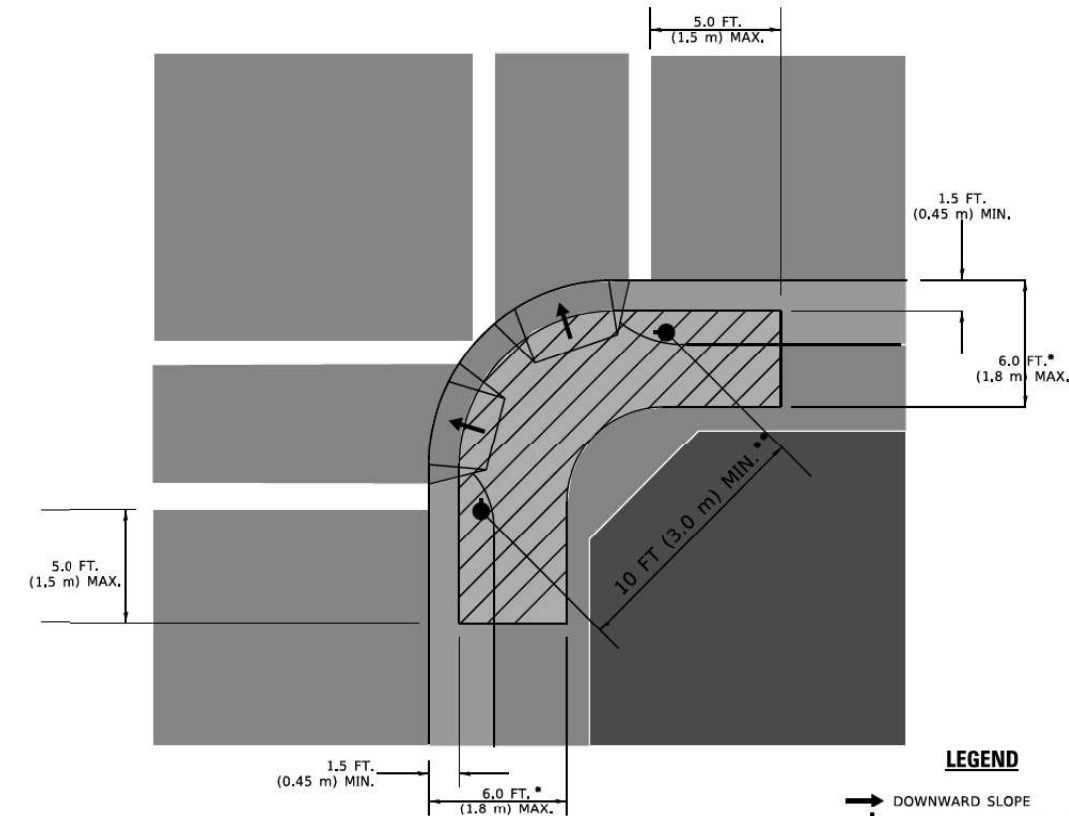
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

| TRAFFIC SIGNAL EQUIPMENT | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|------------------------------------|---|---|
| TRAFFIC SIGNAL MAST ARM POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TRAFFIC SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN PUSHBUTTON POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TEMPORARY WOOD POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| CONTROLLER CABINET | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |
| SERVICE INSTALLATION, GROUND MOUNT | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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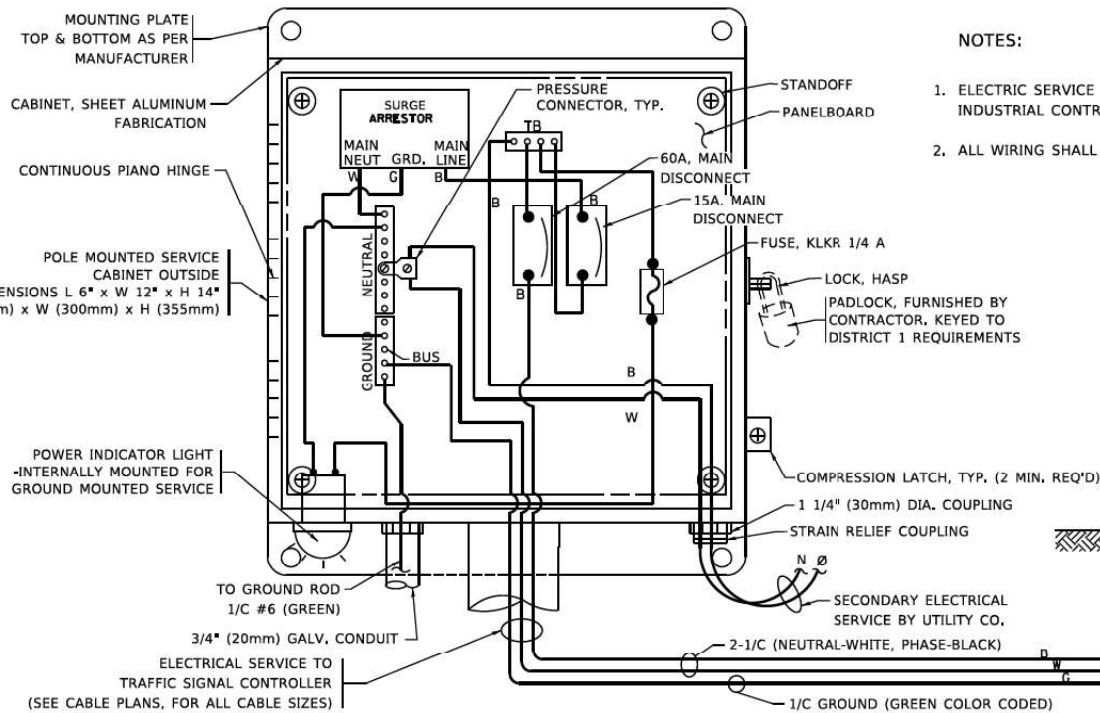
| | | | | | |
|------------|-------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS-05c | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,00000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

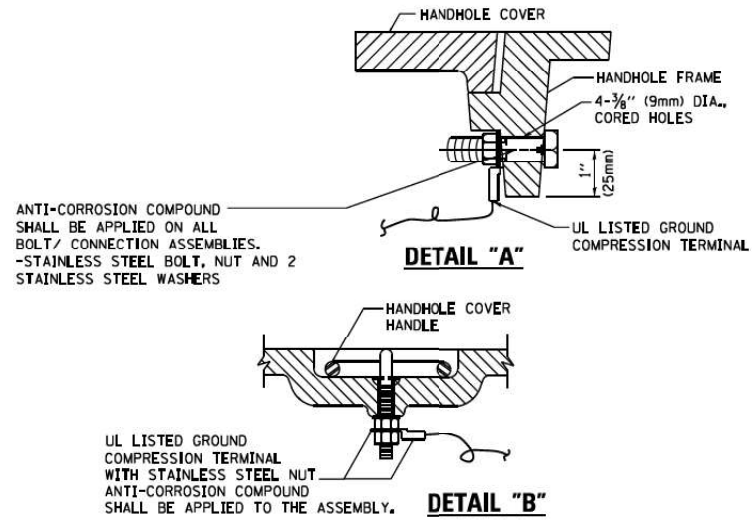
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALBNONE SHEET 3 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|----------|-------------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 163 |
| TS-05 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT NHP-465(549) | | |

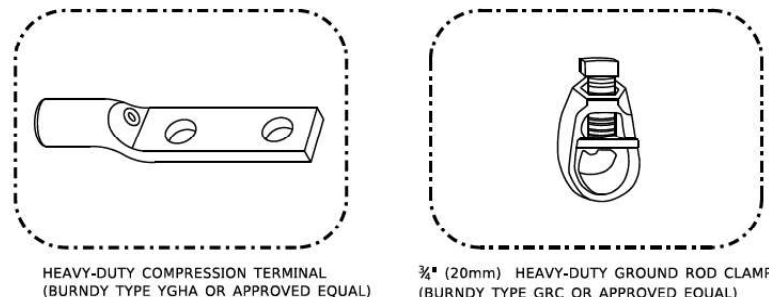


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

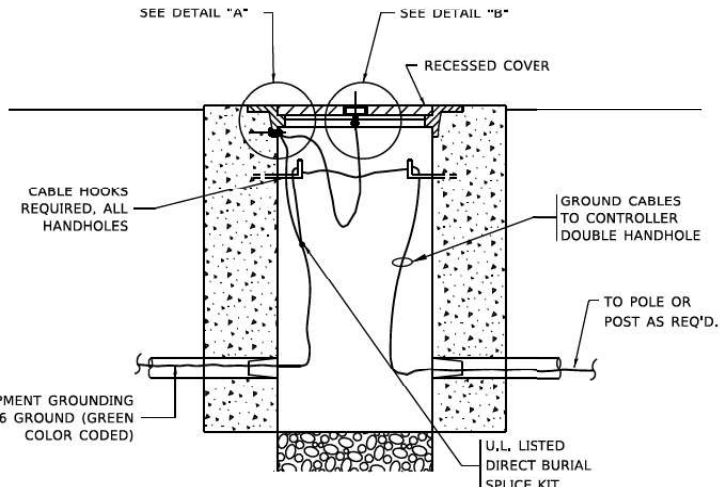


NOTES:
GROUNDING SYSTEM

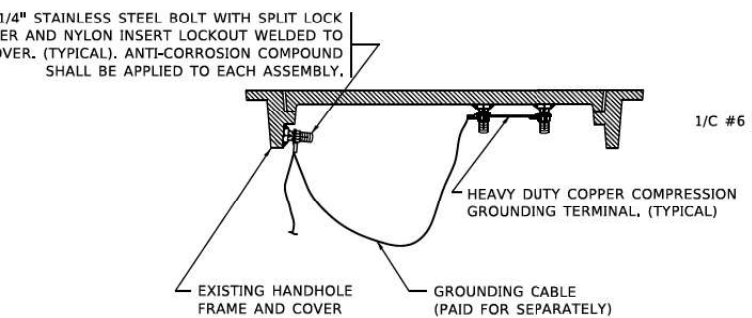
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROL FR, 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.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



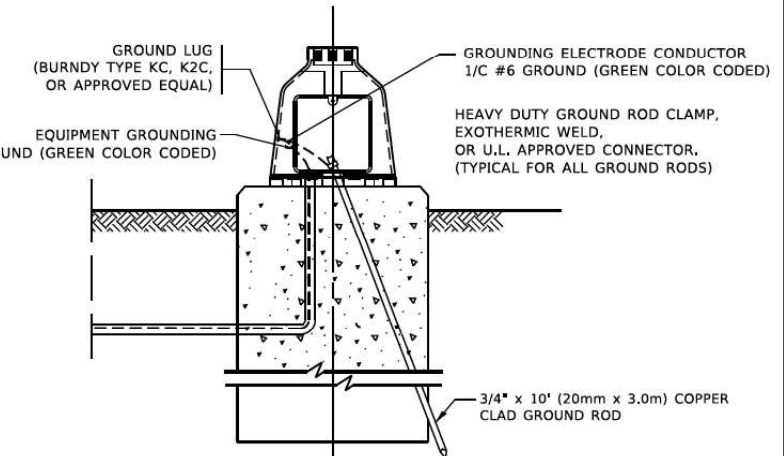
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND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



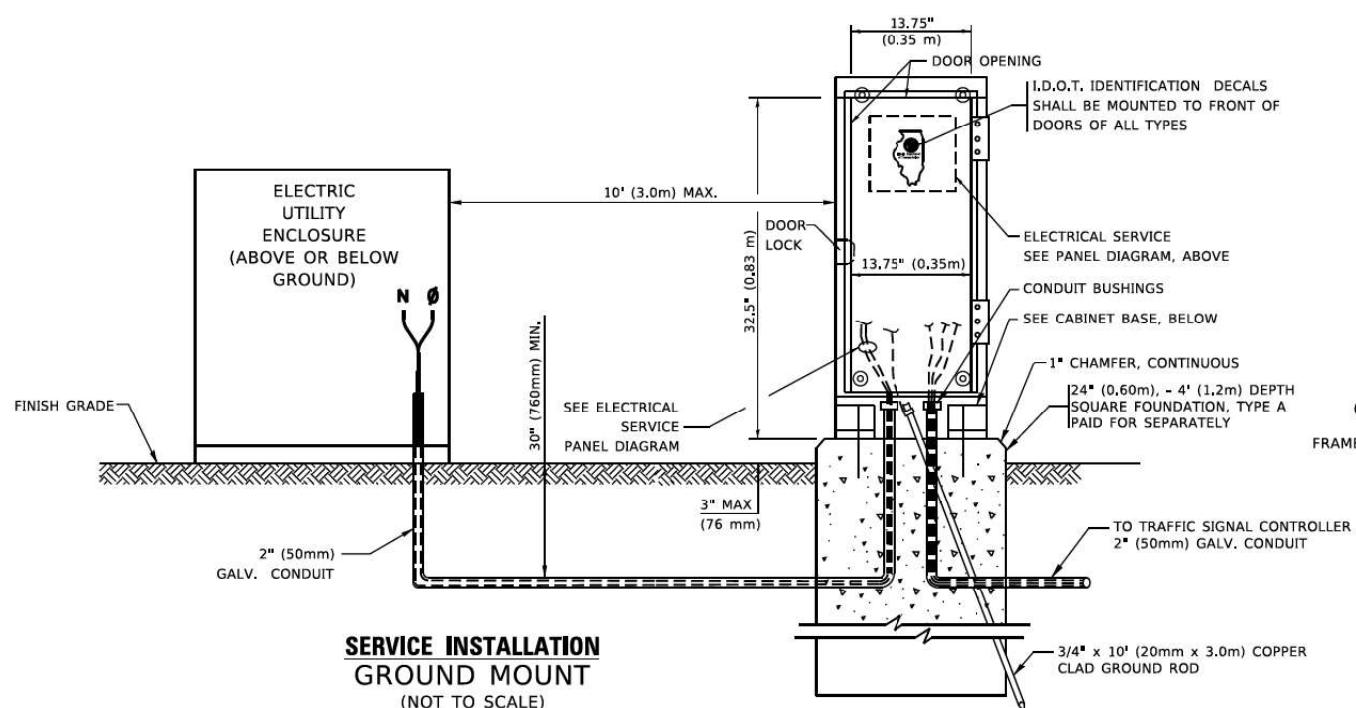
HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



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

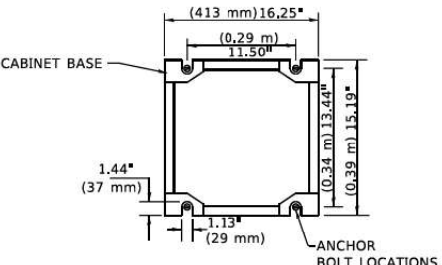


MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

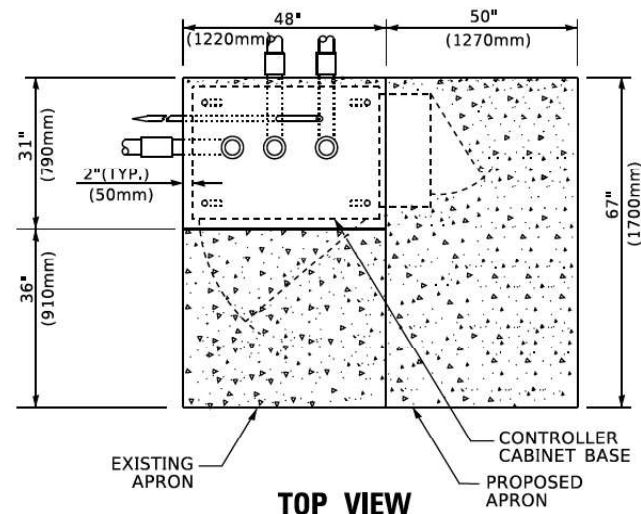
SCALBNONE SHEET 4 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|----------|--------------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 164 |
| TS-05 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT NHP-4665(649) | | |

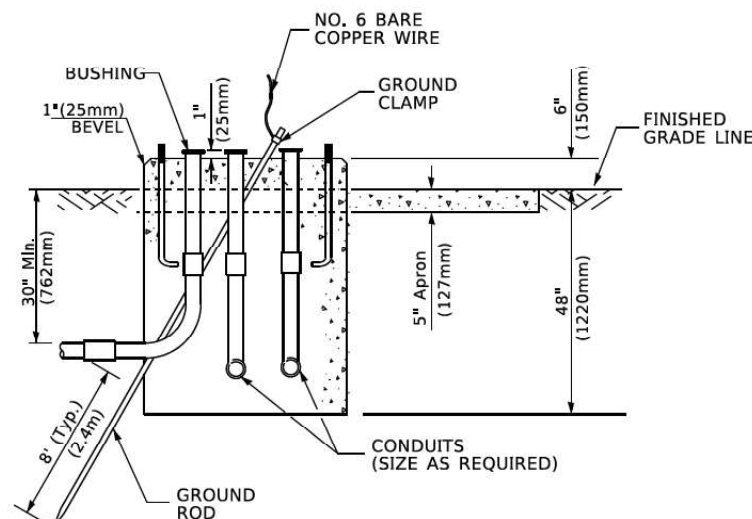
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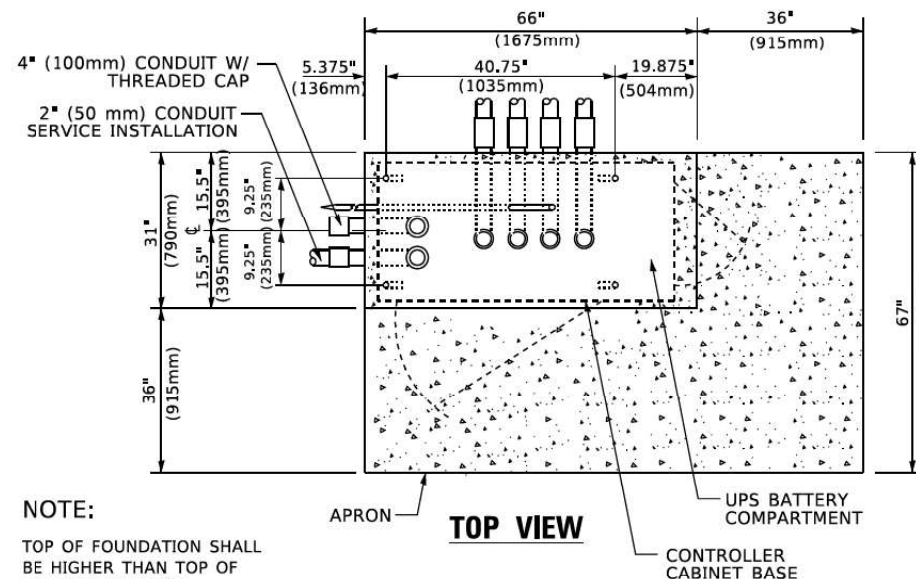
| | | |
|------------------|--------------|---------|
| USER NAME | DESIGNED | REVISED |
| + Betsy | - ESW | - |
| MODEL NAME | DRAWN | REVISED |
| + TS-05d | - LEC | - |
| PLOT SCALE | CHECKED | REVISED |
| + 40,0000" / in. | - BRM | - |
| PLOT DATE | DATE | REVISED |
| + 4/29/2021 | - 11/25/2020 | - |



TOP VIEW



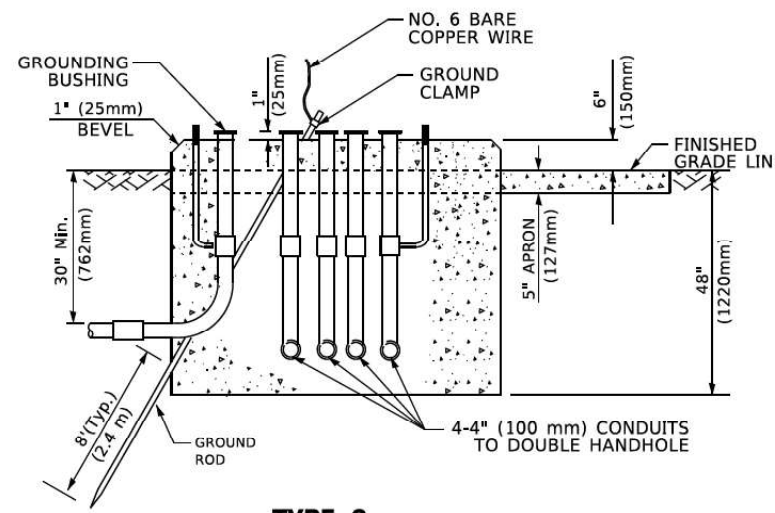
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



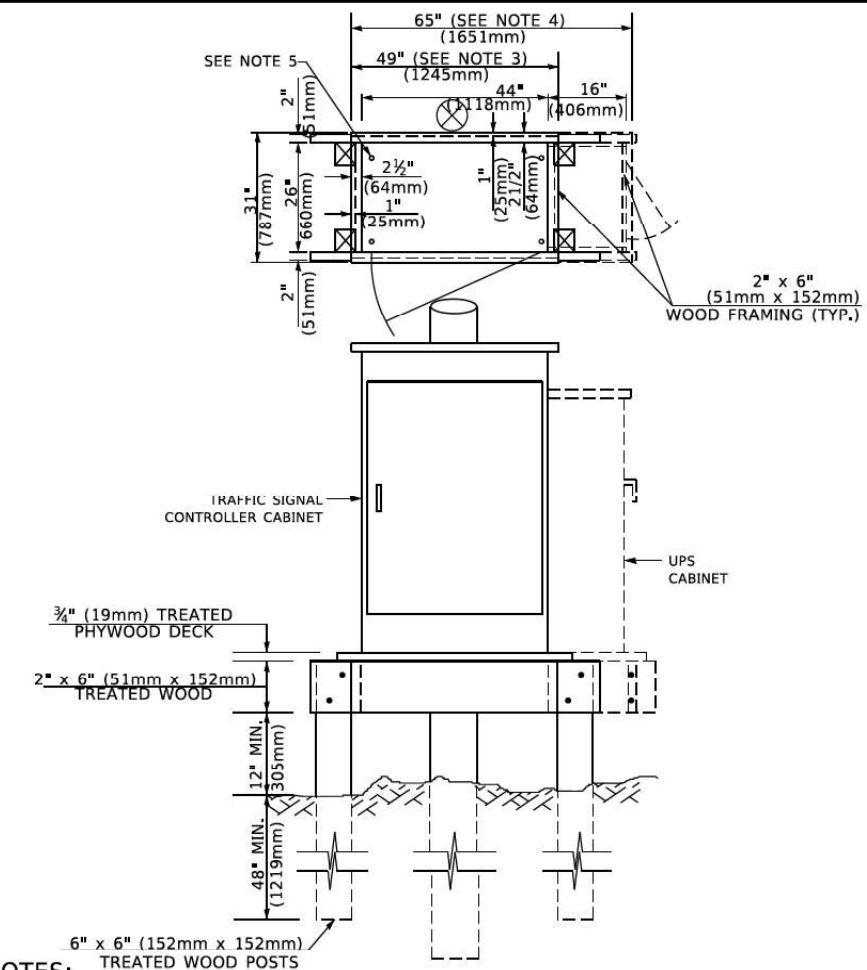
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

| CABLE SLACK LENGTH | FEET | METER |
|---|------|-------|
| HANDHOLE | 6.5 | 2.0 |
| DOUBLE HANDHOLE | 13.0 | 4.0 |
| SIGNAL POST | 2.0 | 0.6 |
| MAST ARM | 2.0 | 0.6 |
| CONTROLLER CABINET | 1.5 | 0.5 |
| FIBER OPTIC AT CABINET | 13.0 | 4.0 |
| ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) | 1.5 | 0.5 |
| GROUND CABLE (SIGNAL POST, MAST ARM, CABINET) | 1.5 | 0.5 |
| GROUND CABLE (BETWEEN FRAME AND COVER) | 5.0 | 1.6 |

CABLE SLACK

| VERTICAL CABLE LENGTH | FEET | METER |
|--|--------|-------|
| MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) | 20.0+L | 6.0+L |
| BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE) | 13.0 | 4.0 |
| PEDESTRIAN PUSH BUTTON | 6.0 | 2.0 |
| SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP | 13.5 | 4.1 |
| SERVICE INSTALLATION POLE MOUNT TO GROUND | 13.5 | 4.1 |
| SERVICE INSTALLATION GROUND MOUNT | 6.0 | 2.0 |
| FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT) | 3.0 | 1.0 |

VERTICAL CABLE LENGTH

| FOUNDATION | DEPTH |
|---|--------------|
| TYPE A - Signal Post | 4'-0" (1.2m) |
| TYPE C - CONTROLLER W/ UPS | 4'-0" (1.2m) |
| TYPE D - CONTROLLER | 4'-0" (1.2m) |
| SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE | 4'-0" (1.2m) |

DEPTH OF FOUNDATION

| MAST ARM LENGTH | ① FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|--------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m) | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m) | 13'-6" (4.1 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 11'-0" (3.4 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m) | 13'-0" (4.0 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m) | 15'-0" (4.6 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m) | 21'-0" (6.4 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |
| Greater than or equal to 75' (22.9 m) | 25'-0" (7.6 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E



| | |
|------------|------------------|
| USER NAME | + Betsy |
| MODEL NAME | + TS-05e |
| PLOT SCALE | + 40,0000' / in. |
| PLOT DATE | + 4/29/2021 |

| | |
|----------|--------------|
| DESIGNED | - ESW |
| DRAWN | - LEC |
| CHECKED | - BRM |
| DATE | - 11/25/2020 |

| | |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

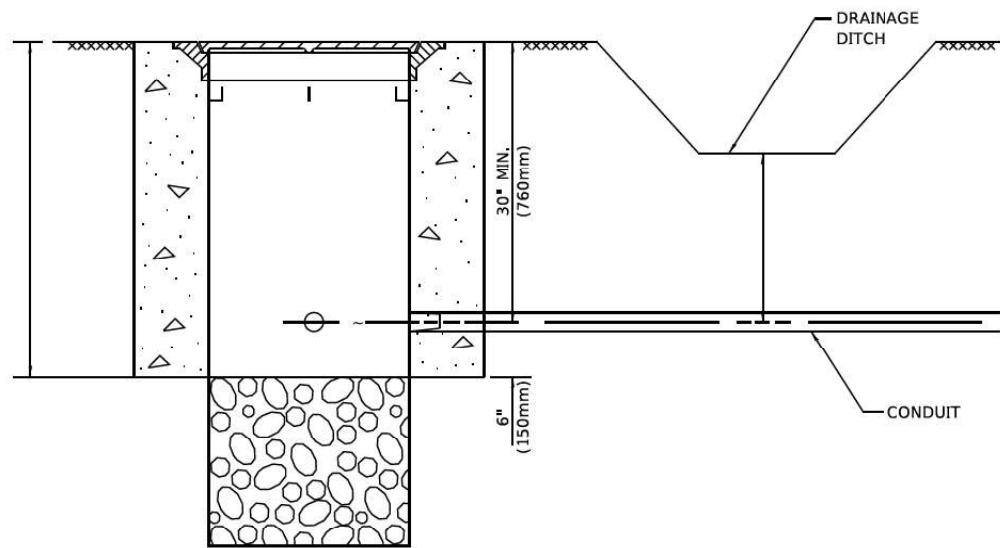
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALBIONE SHEET 5 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|----------|-------------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 165 |
| TS-05 | | | CONTRACT NO. 62G11 | |
| ILLINOIS | | FED. AID PROJECT NHP-465(549) | | |

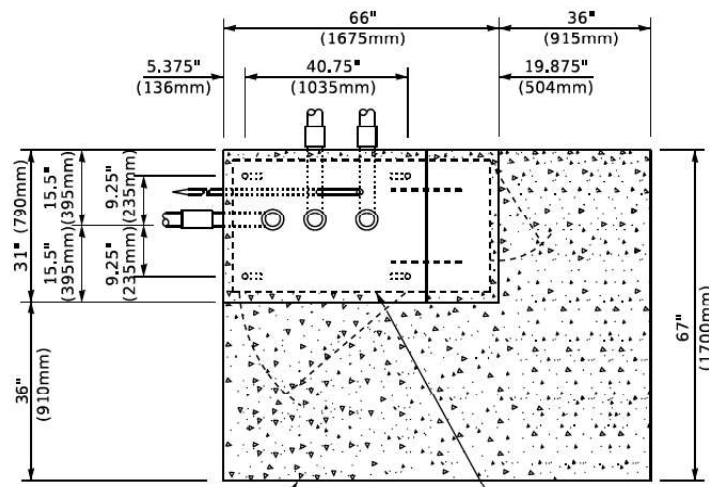
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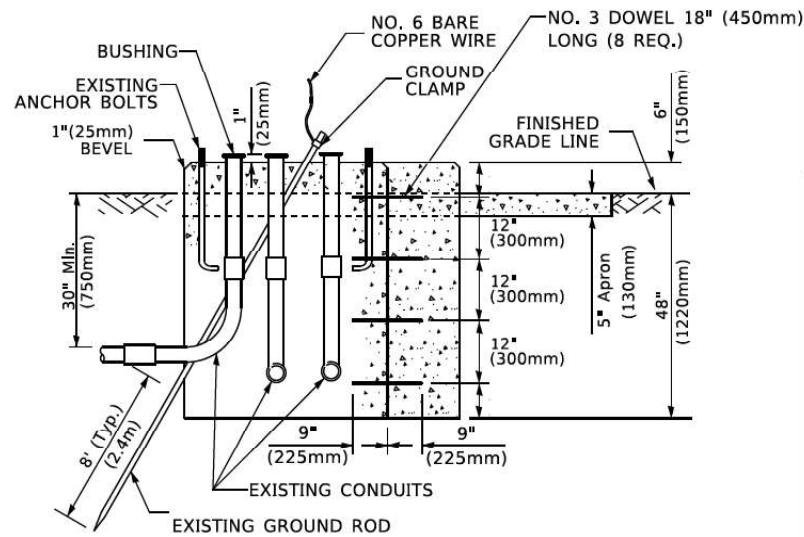
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

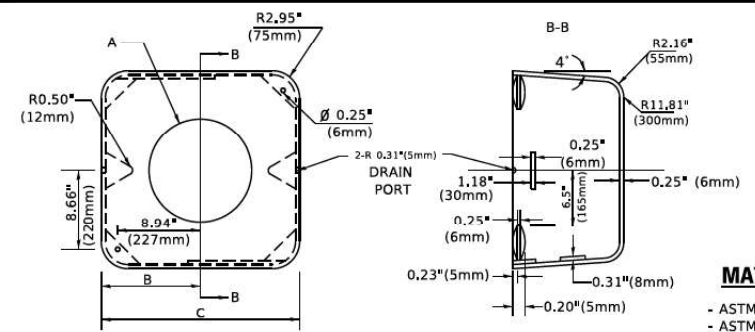


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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
3. 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.



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

| A | B | C | HEIGHT | WEIGHT |
|--------|----------------|---------------|--------------------------|-----------------|
| VARIES | 9.5" (241mm) | 19" (483mm) | 7" (178mm) - 12" (300mm) | 53 lbs (24kg) |
| VARIES | 10.75" (273mm) | 21.5" (546mm) | 7" (178mm) - 12" (300mm) | 68 lbs (31 kg) |
| VARIES | 13.0" (330mm) | 26" (660mm) | 7" (178mm) - 12" (300mm) | 81 lbs (37 kg) |
| VARIES | 18.5" (470mm) | 37" (940mm) | 7" (178mm) - 12" (300mm) | 126 lbs (57 kg) |

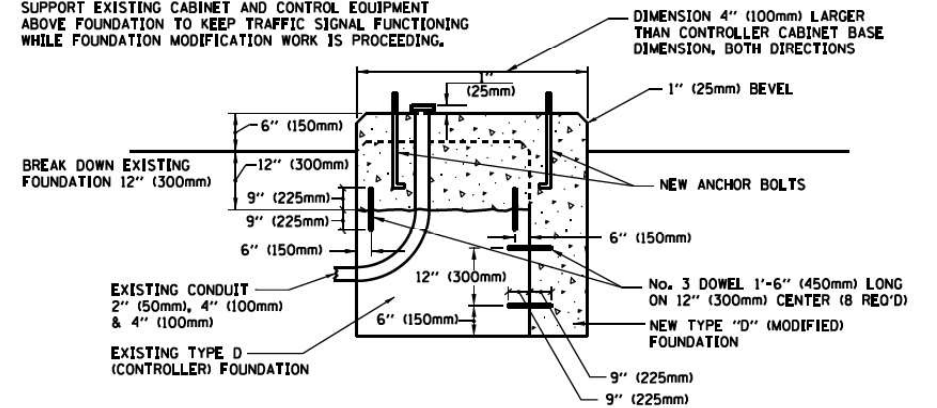
SHROUD

NOTES:

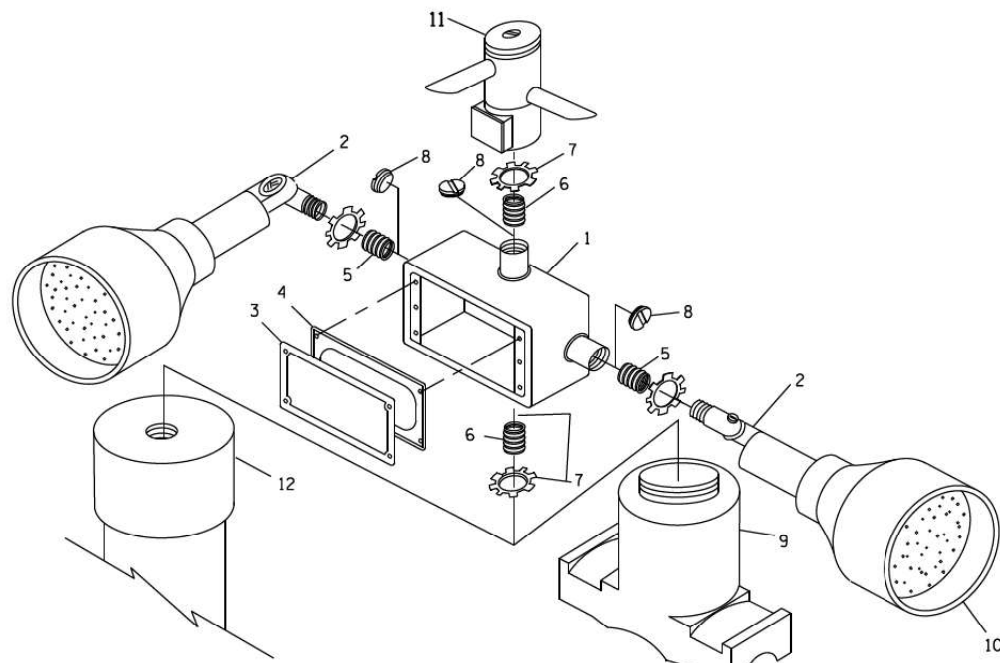
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



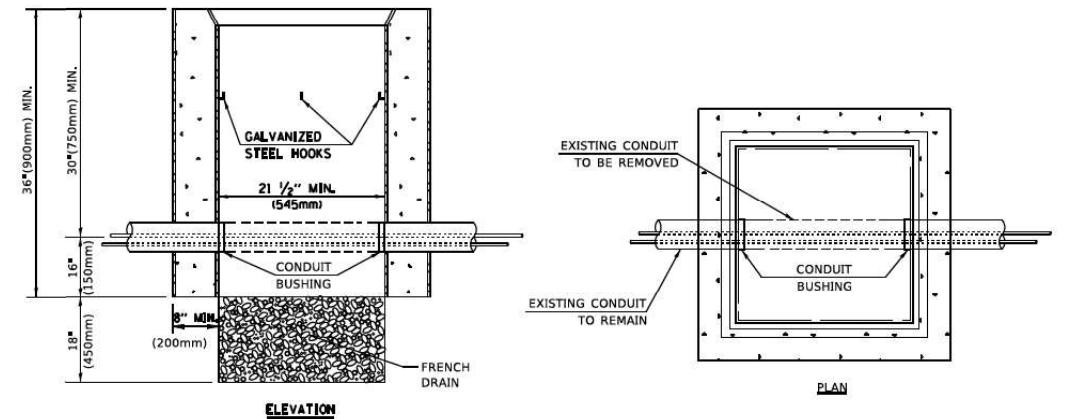
MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME: S:\Projects\418-2009\04Y IL-72 & State Street Design\CADD Sheets\0162011-shr-District_details.dgn



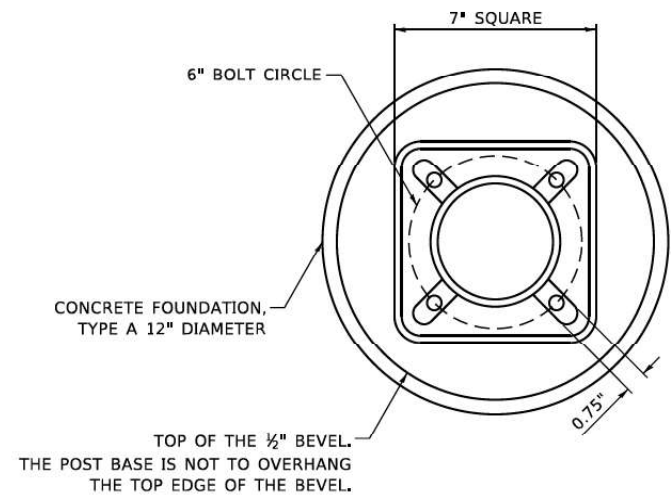
| | | | | | |
|------------|------------------|----------|--------------|---------|---|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - |
| MODEL NAME | + TS-05f | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

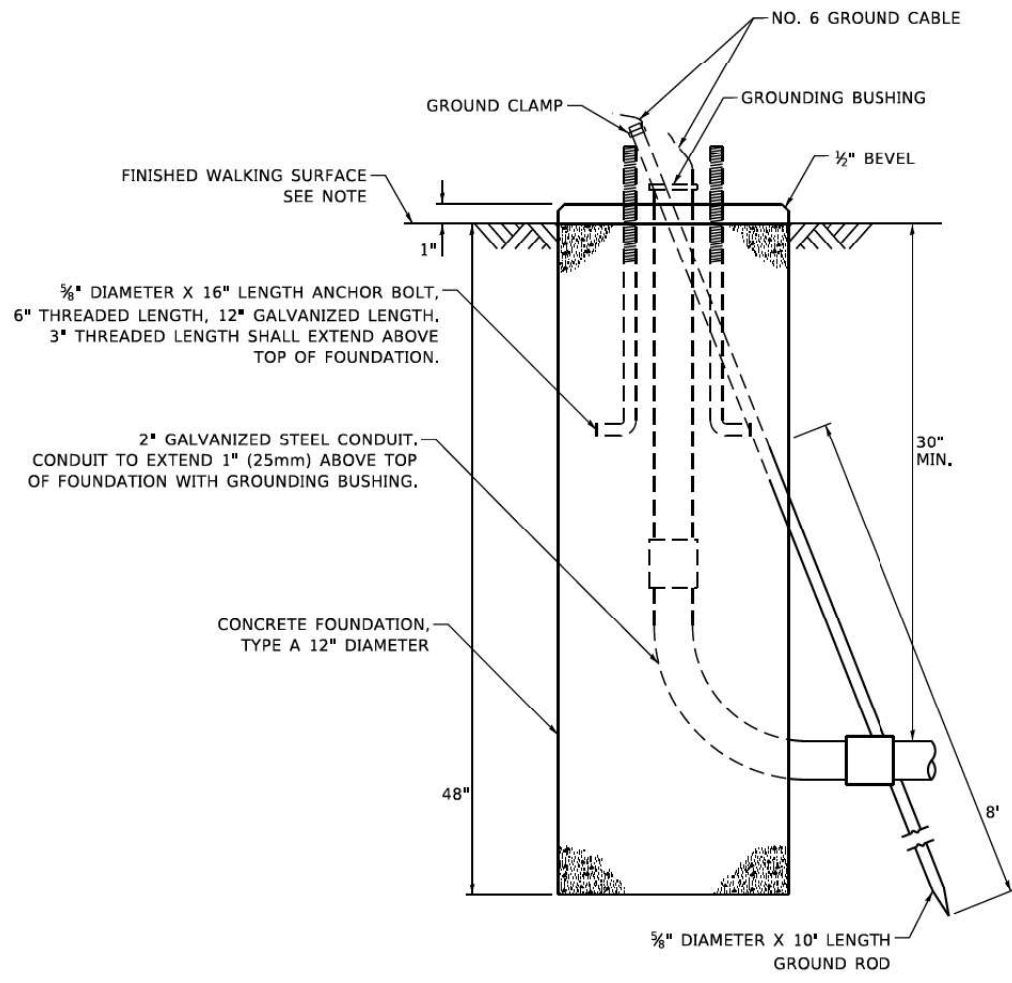
SCALBIONE SHEET 6 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|----------|---------------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 166 |
| TS-05 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT NHPP-K465(G49) | | |

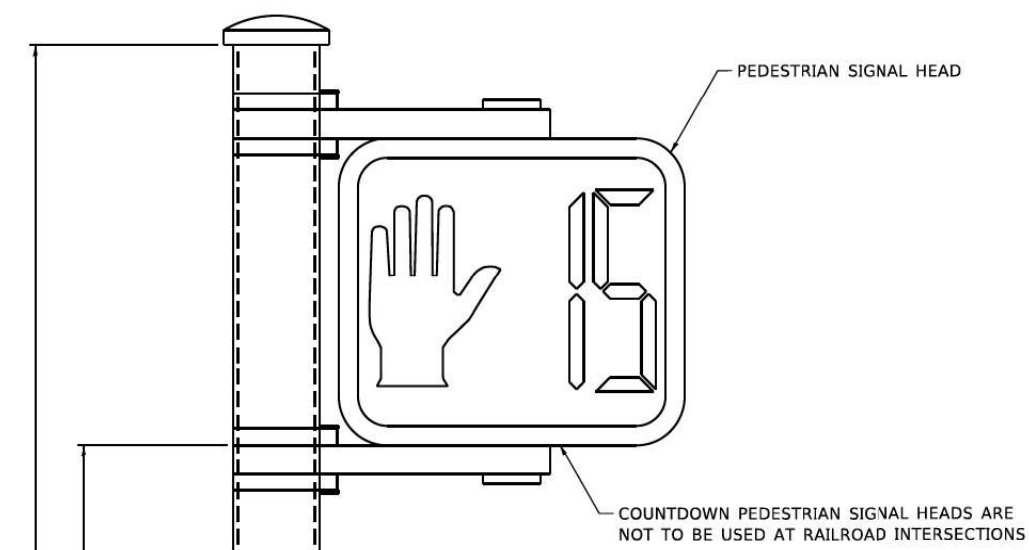


BOLT PATTERN

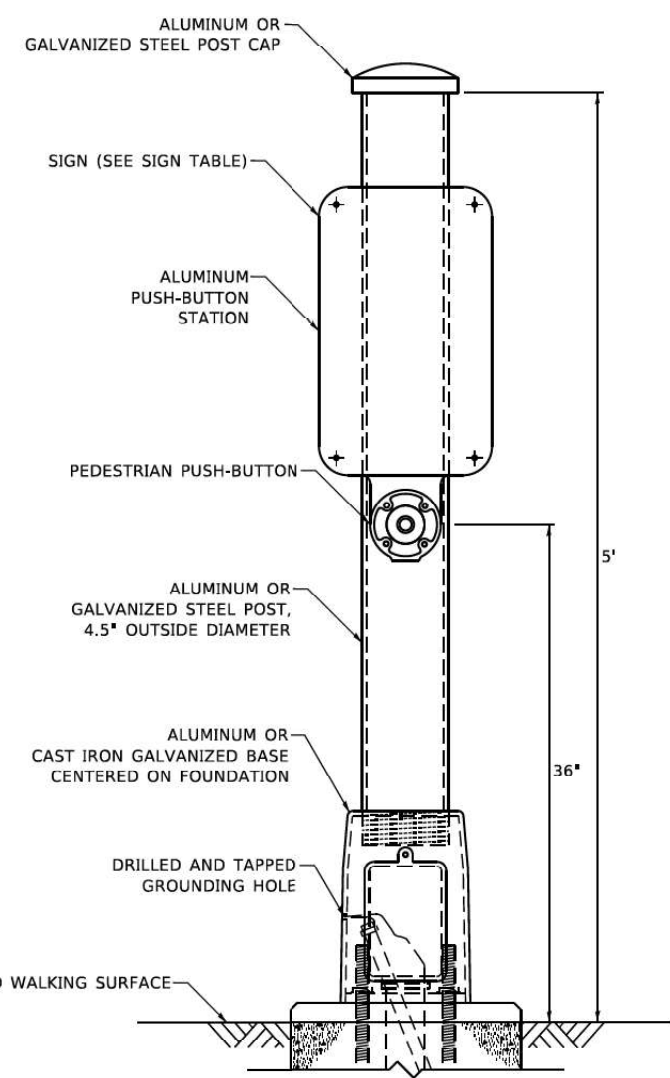
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



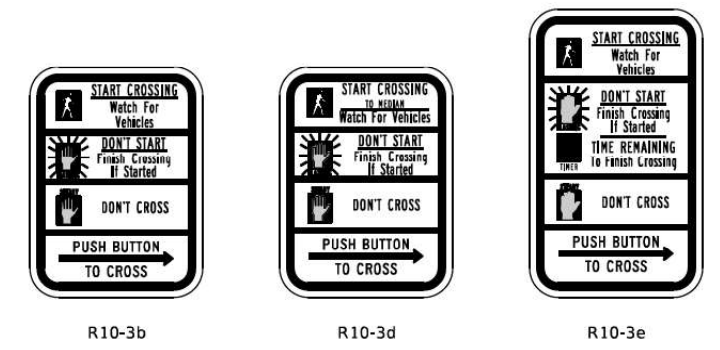
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

| SIGN | DIMENSIONS |
|------------------------|------------|
| R10-3b (RAILROAD ONLY) | 9" X 12" |
| R10-3d (RAILROAD ONLY) | 9" X 12" |
| R10-3e | 9" X 15" |

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

FILE NAME: S:\Projects\418-2009\04\72 & State Street\Design\CADD Sheets\0162011\sh-Traffic-District-details.dgn



| | | | | | |
|------------|------------------|----------|--------------|---------|--------------|
| USER NAME | + Betsy | DESIGNED | - ESW | REVISED | - DAG 1-1-14 |
| MODEL NAME | + TS-05g | DRAWN | - LEC | REVISED | - |
| PLOT SCALE | + 40,0000' / in. | CHECKED | - BRM | REVISED | - |
| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

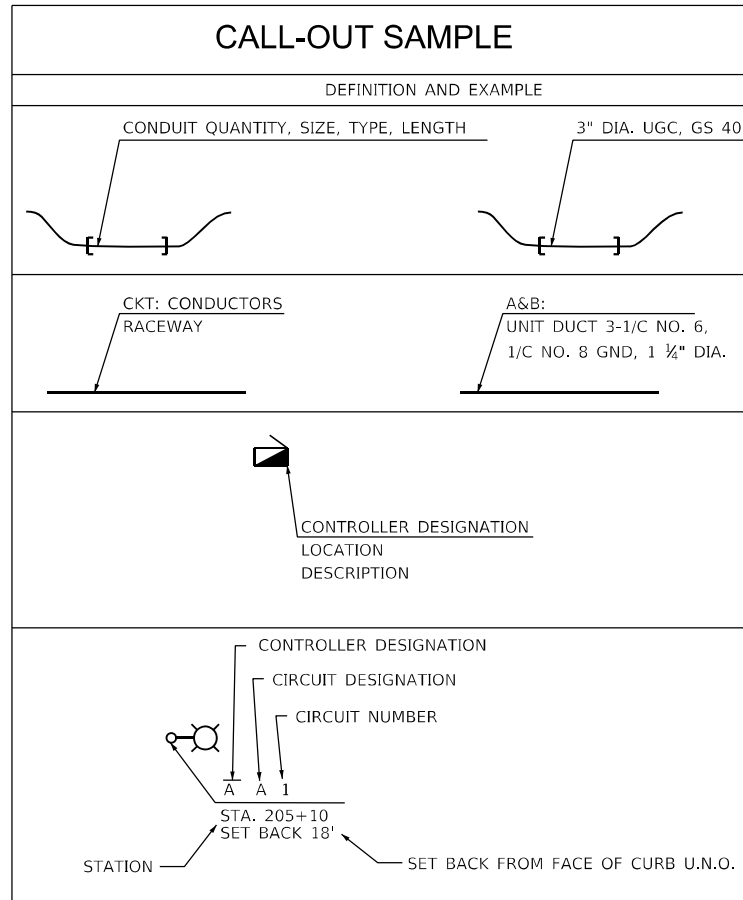
DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALBIONE SHEET 7 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|----------|--|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 167 |
| TS-05 | | CONTRACT NO. 62G11 | | |
| | | ILLINOIS FED. AID PROJECT NHP-465(649) | | |

| LIGHTING AND ELECTRICAL LEGEND | |
|--------------------------------|--|
| SYMBOL | DESCRIPTION |
| | PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY DEVICE, 40FT MOUNTING HEIGHT, 10FT MAST ARM, LED LUMINAIRE |
| | EXISTING LIGHTING UNIT TO BE REMOVED |
| | EXISTING LIGHTING UNIT TO REMAIN IN PLACE |
| | PROPOSED LIGHTING CONTROLLER |
| | ELECTRIC UTILITY SERVICE |
| | PROPOSED CABLE OR UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED |
| | PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED |

| ABBREVIATIONS | |
|---------------|---|
| ABBREVIATION | DESCRIPTION |
| AC | ALTERNATING CURRENT |
| A/C | AERIAL CABLE |
| B.O.C. | BACK OF CURB |
| CB | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| CP | CONTROL PANEL |
| DA | DAVIT ARM |
| DIA | DIAMETER |
| DP | DISTRIBUTION PANEL |
| E | EXISTING UNIT TO REMAIN |
| E.O.P. | EDGE OF PAVEMENT |
| FT | FEET OR FOOT |
| FU | FUSE |
| GND | GROUND |
| KVA | KILOVOLT-AMPERE |
| KW | KILOWATTS |
| MA | MAST ARM |
| MC | MULTI-CONDUCTOR |
| M.H. | MOUNTING HEIGHT |
| MW | MESSENGER WIRE |
| NO. # | NUMBER |
| N.T.S. | NOT TO SCALE |
| P | PROPOSED |
| PNL | PANEL |
| PVC | POLYVINYL CHLORIDE |
| PVCC RGC | PVC COATED RIGID GALVANIZED CONDUIT |
| R | EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.) |
| RECP | RECEPTACLE |
| RGC | RIGID GALVANIZED CONDUIT |
| SEL SW | SELECTOR SWITCH |
| SPARE | SPARE |
| SPACE | SPACE |
| SS | STAINLESS STEEL |
| STA | STATION |
| T/F | TOP OF FOUNDATION |
| UD | UNIT DUCT |
| U.N.O. | UNLESS NOTED OTHERWISE |
| UGC, GS | UNDERGROUND CONDUIT, GALVANIZED STEEL |
| WP | WOOD POLE |
| XFMR | TRANSFORMER |
| HPS | HIGH PRESSURE SODIUM |
| LPS | LOW PRESSURE SODIUM |
| LTFM | LIQUID TIGHT FLEXIBLE METALLIC |



GENERAL NOTES

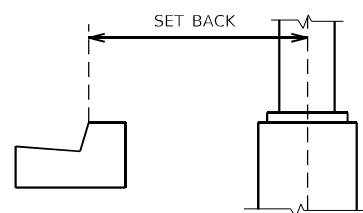
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

INDEX OF DRAWINGS:

| DRAWING NO. | TITLE |
|---------------|---|
| E-1 | LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS |
| E-2 | SCHEDULE OF QUANTITIES |
| E-3 | EXISTING LIGHTING REMOVAL PLAN |
| E-4 | PROPOSED LIGHTING PLAN |
| E-5 | WIRING DIAGRAM |
| E-6 | COMED COORDINATION |
| E-7 | LIGHTING CONTROLLER, PEDESTAL MOUNT DETAILS |
| E-8 THRU E-12 | IDOT D1 STANDARD DETAILS |

IDOT-D1 STANDARDS:

| STANDARD NO. | TITLE |
|--------------|---|
| BE-220 | ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT |
| BE-301 | LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE |
| BE-401 | ALUMINUM LIGHT POLE, 40'-0" (12.192m) MOUNTING HEIGHT |
| BE-701 | LUMINAIRE SAFETY CABLE ASSEMBLY |
| BE-702 | MISC. ELECTRICAL DETAILS SHEET A |



POLE SET BACK DETAIL

MODEL: Default
FILE NAME: \\G:\03\Projects\180927\04_CADD\CADD_Sheets\ID180911-24-21\Light-01.dwg



| | | |
|------------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - VG | REVISED - |
| | DRAWN - VG | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - RP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEGEND, ABBREVIATIONS, GENERAL NOTES,
AND INDEX OF DRAWINGS

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 168 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SCHEDULE OF ROADWAY LIGHTING QUANTITIES

| DESCRIPTION | UNIT | QUANTITY |
|---|--------|----------|
| ELECTRIC SERVICE INSTALLATION | EACH | 1 |
| ELECTRIC UTILITY SERVICE CONNECTION | L SUM | 1 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 480 |
| UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE | FOOT | 2,340 |
| ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2 | FOOT | 70 |
| LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G | EACH | 12 |
| LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP | EACH | 1 |
| LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM | EACH | 12 |
| LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 84 |
| BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE | EACH | 12 |
| REMOVAL OF LIGHTING UNIT, NO SALVAGE | EACH | 1 |
| REMOVAL OF POLE FOUNDATION | EACH | 1 |
| LUMINAIRE SAFETY CABLE ASSEMBLY | EACH | 12 |
| MAINTENANCE OF LIGHTING SYSTEM | CAL MO | 12 |

MODEL Path: \\s0101p01\projects\18037104_CADD\CADD_Sheets\18037104_12-11-2021\Light\02.dgn
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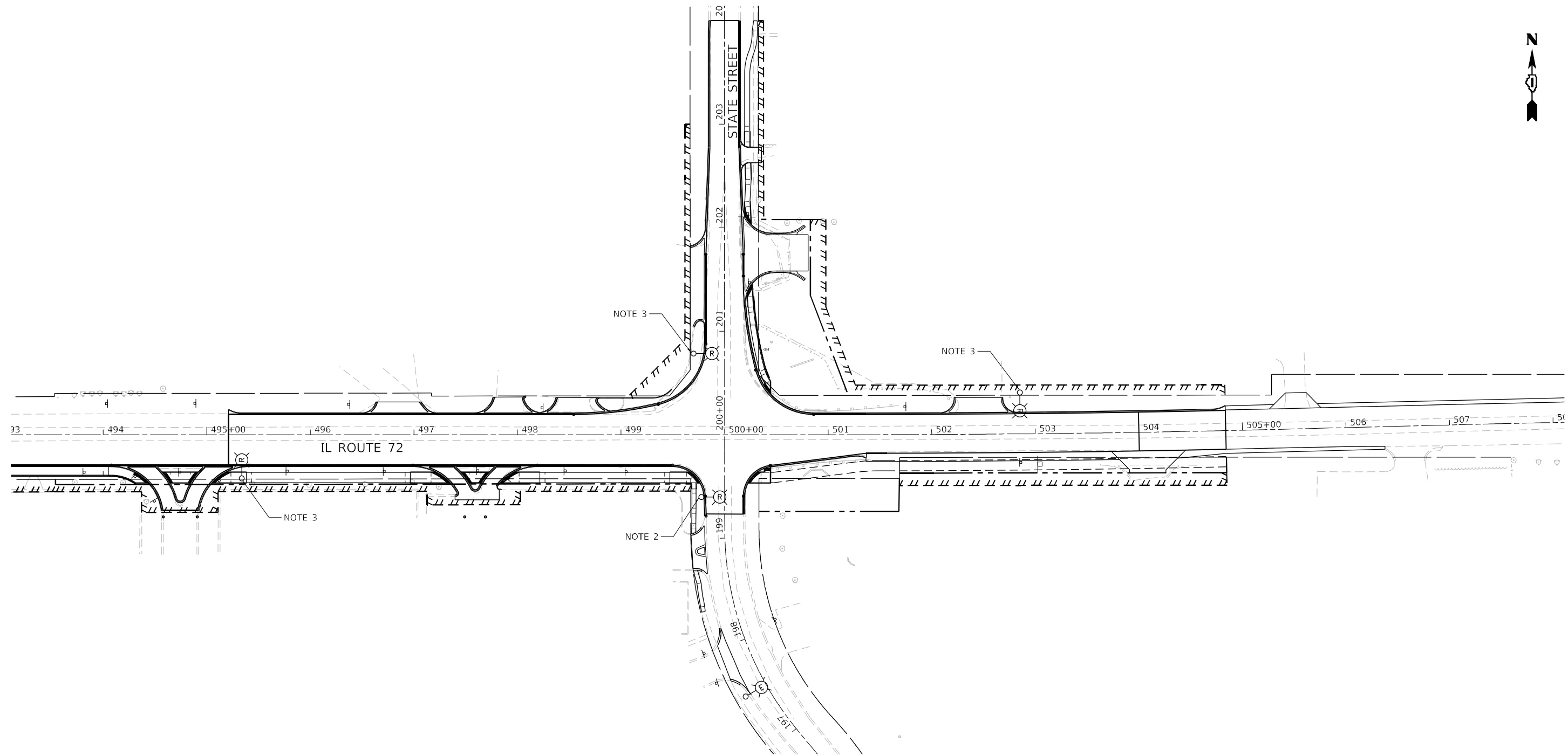
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| | DRAWN - VG | REVISED - |
| PLOT SCALE = \$SCALE\$ | CHECKED - RP | REVISED - |
| PLOT DATE = 4/22/2021 | DATE - 4/16/2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF 04 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 169 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. SEE SHEET E-01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. EXISTING VILLAGE OF HAMPSHIRE LIGHTING UNIT TO BE REMOVED.
3. EXISTING UTILITY POLE MOUNTED LIGHTING UNIT TO BE REMOVED BY COMED.



MODEL: Default
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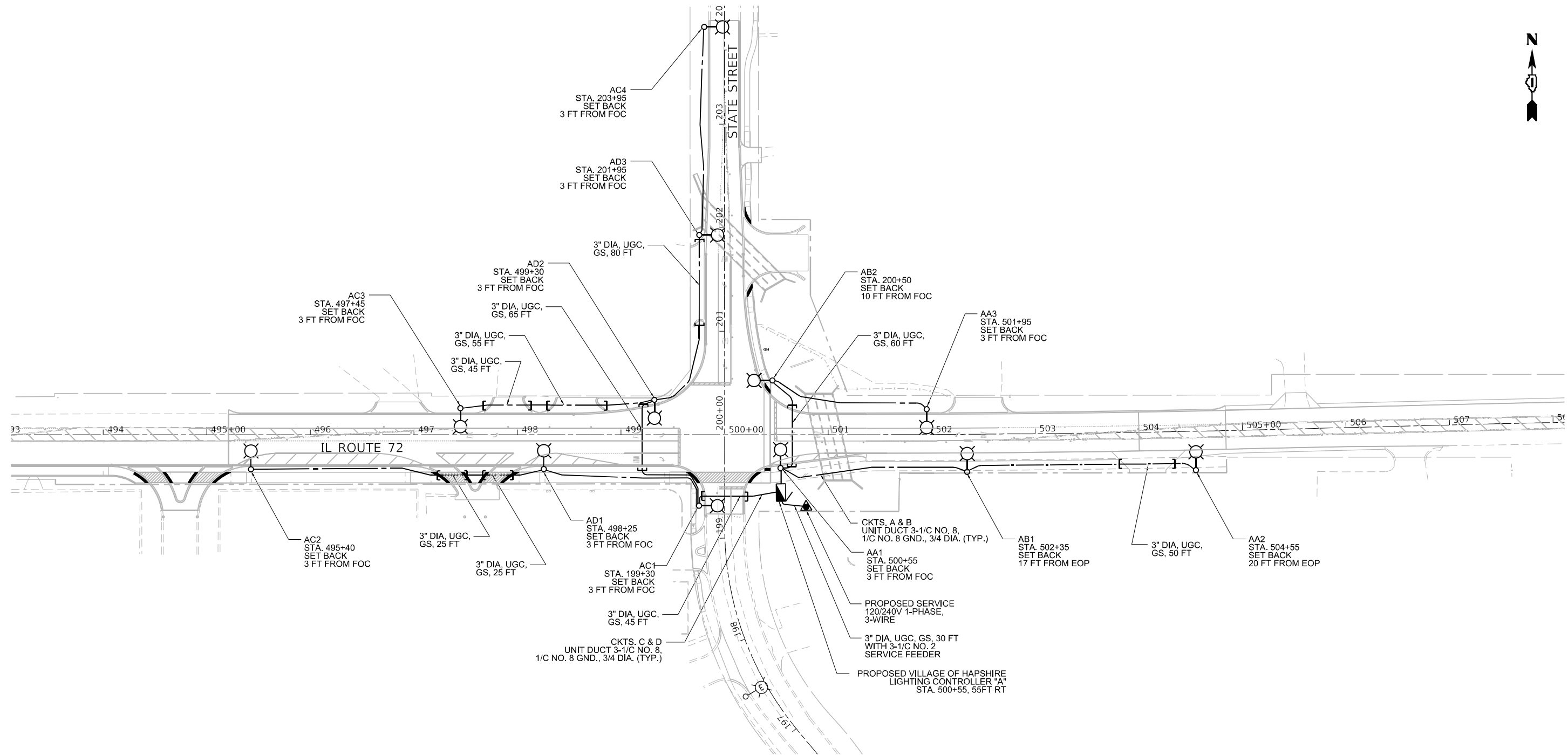


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| USER NAME = \$USERS | DESIGNED - VG | REVISED - |
| | DRAWN - VG | REVISED - |
| PLOT SCALE = \$SCALES | CHECKED - RP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---|-------|----|---------|
| IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD EXISTING LIGHTING REMOVAL PLAN | | | |
| SCALE: 1"=50' | SHEET | OF | SHEETS |
| | STA. | | TO STA. |

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 170 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. SEE SHEET E-01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.



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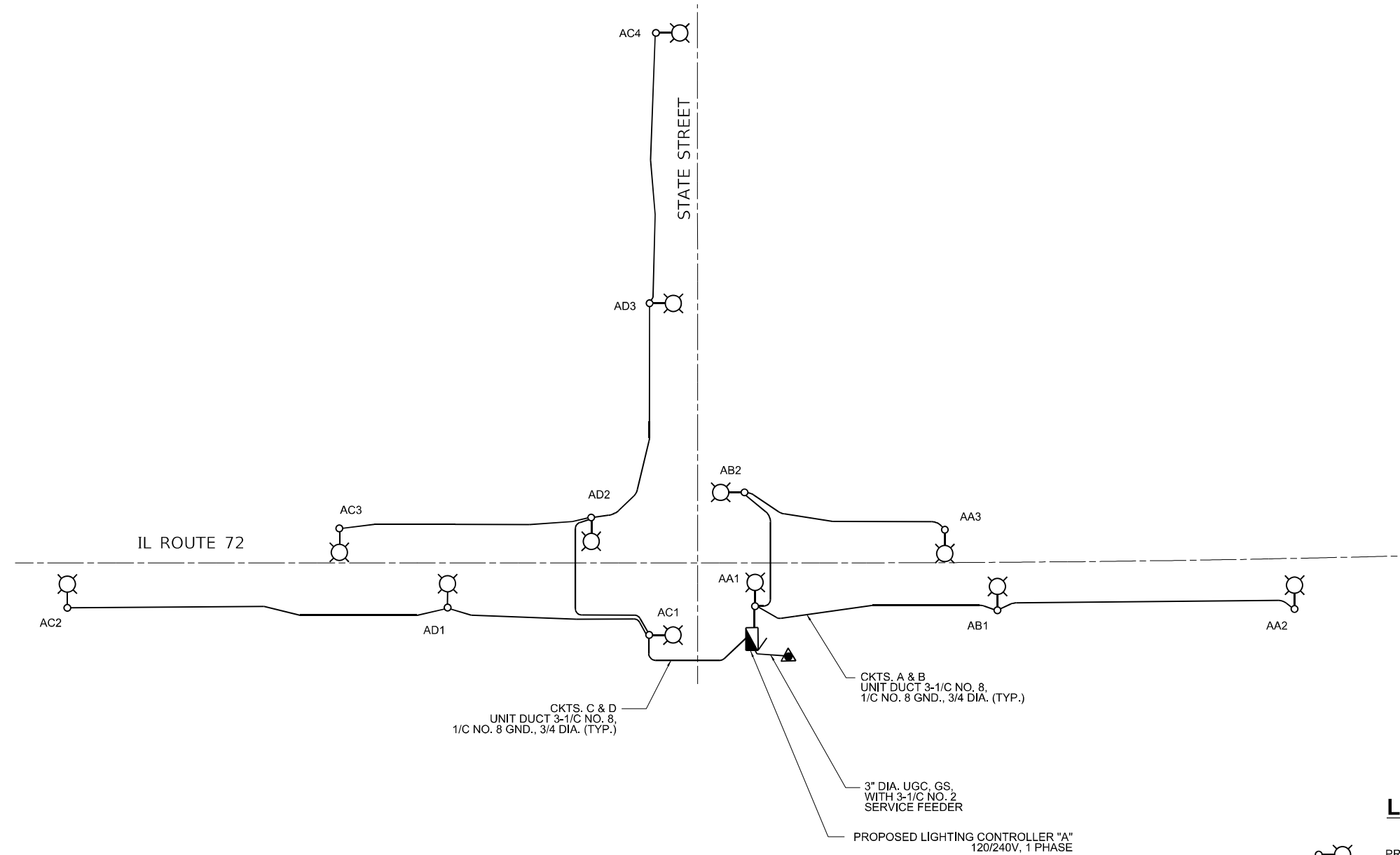


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|------------------------------|------------------|-----------|
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| | DRAWN - VG | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - RP | REVISED - |
| PLOT DATE = 5/7/2021 | DATE - 4/16/2021 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------|------|--------|
| IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD PROPOSED LIGHTING PLAN | | | |
| SCALE: 1"=50' | SHEET | OF | SHEETS |
| STA. | TO | STA. | TO |

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 171 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |







CKTS. C & D
UNIT DUCT 3-1/C NO. 8,
1/C NO. 8 GND., 3/4 DIA. (TYP.)

CKTS. A & B
UNIT DUCT 3-1/C NO. 8,
1/C NO. 8 GND., 3/4 DIA. (TYP.)

3" DIA. UGC, GS,
WITH 3-1/C NO. 2
SERVICE FEEDER

PROPOSED LIGHTING CONTROLLER "A"
120/240V, 1 PHASE

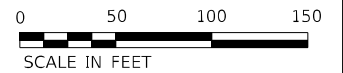
LEGEND:

-  PROPOSED LIGHTING UNIT, LED
-  PROPOSED LIGHTING CONTROLLER
-  PROPOSED ELECTRIC UTILITY SERVICE
-  PROPOSED UNIT DUCT

| LOAD TABLE | | | | | | | |
|--|---------------|------|--------|----------|---------------|------|--------|
| LIGHTING CONTROLLER "A", 120/240V, 1-Φ | | | | | | | |
| CKT | NO. LUM. * | AMPS | WATTS | CKT | NO. LUM. * | AMPS | WATTS |
| CKT. A | 3-200W | 5.4 | 1296.0 | CKT. B | 2-200W | 3.6 | 864.0 |
| CKT. C | 4-200W | 7.2 | 1728.0 | CKT. D | 3-200W | 5.4 | 1296.0 |
| CKT. E | SPARE | - | - | CKT. F | SPARE | - | - |
| CKT. G | SPARE | - | - | CKT. H | SPARE | - | - |
| TOTAL | 7-200W | 12.6 | 3024.0 | TOTAL | 5-200W | 9.0 | 2160.0 |
| TOTAL CONNECTED LOAD CAPACITY: | | | | 5.18 KVA | | | |

NOTES:

- SEE SHEET E-01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.



MODEL: Default
FILE NAME: \\G:\03\Projects\18037104_CADD\CADD_Sheets\18037104_05.dgn



| | | |
|------------------------------|------------------|-----------|
| USER NAME = vjgurskas | DESIGNED - VG | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - VG | REVISED - |
| PLOT DATE = 5/7/2021 | CHECKED - RP | REVISED - |
| | DATE - 4/16/2021 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 AT STATE STREET /GETZELMAN ROAD
WIRING DIAGRAM

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 172 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

Outdoor Lighting Application

Service Information

Service Request # 05049077
Project Name 62G11-IL Rte 72 at State St Light
Service Type Dusk to Dawn Lighting
Service Address 1000 S State ST
 State
 Hampshire, IL 60140

New Service

Requested Date 07/16/2020
Description Upgrade lighting located at the intersection of IL Route 72 and State Street located in the Village of Hampshire.

Project Information

Project Type Residential: false
 Commercial: false
 Parking Lot: false
 Public Roadway: true
 Private Roadway: false
 Alley: false
 Other 120/240V, 1-PHASE, 3-WIRE

New or Existing Construction new_construction
Date ComEd can start

Load Information

Metered Service? Metered
Service Voltage Other
Primary Switch Name
Primary Switch Location
Primary Switch Quantity 1
Primary Switch Size 125 amps
Primary Switch Rating 80%
Number of Secondary Sets 2
Conductor Size 3/C No. 8 and 1/C GND
Conductor Material CU

Primary Contact

Full Name Rashesh Patel
Company Name Singh and Associates
Address 230 West Monroe Street
 Suite 1400
 Chicago, IL 60606
Email Address rpatel@singhinc.com
Phone Number (224) 232-9752
Cell Number
Preferred Contact Method phone
Connection to Project Consultant

Property Owner

Full Name Jay Hedges
Company Name Village of Hampshire
Address 234 S. State Street
 PO Box 457
 Hampshire, IL 60140
Email Address
Phone Number (847) 683-2181 x26
Cell Number
Preferred Contact Method phone

Additional Contact #1

Full Name
Email Address
Phone Number
Cell Number
Connection to Project Builder/Contractor

Billing Information

Account History

Have ComEd Account Yes
ComEd Account Number 2244132001
Tower Account Number

Construction Charges

Full Name Jay Hedges
Title
Company Name Village of Hampshire
Address 234 S. State Street
 PO Box 457
 Hampshire, IL 60140
Email Address
Phone Number

Attachments

Site Plan

Submit Method Electronic
18037 Location Map.png
Comments This is a rough overview of the limits of the project

Municipal Request Letter

Submit Method
Comments

Other Documents

Load Table.pdf
Comments Load table for the project including wiring diagram and loads for the lighting within the project

Comments

Tax ID - 36-6005913



| | | |
|-----------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - VG | REVISED - |
| | DRAWN - VG | REVISED - |
| PLOT SCALE = \$SCALES | CHECKED - RP | REVISED - |
| PLOT DATE = 4/14/2021 | DATE - 4/16/2021 | REVISED - |

0.125 INCH (3.175)
TYPE 5052-H32
ALUMINUM ENCLOSURE.
FOR INSIDE DIMENSION
SEE NOTE 1.

1/2" (12.7) DIA. MINIMUM
DOOR HANDLE WITH PADLOCK
PROVISION SEALED WITH
NEOPRENE GASKET

NEMA 3R
ENCLOSURE

4" (101.6) RIGID ALUMINUM SCHEDULE
40 CONDUIT STEM ANCHORED TO
356-T6 CAST ALUMINUM PEDESTAL
BASE.

HANDHOLE

3" (76.2) RACEWAY PROJECTION

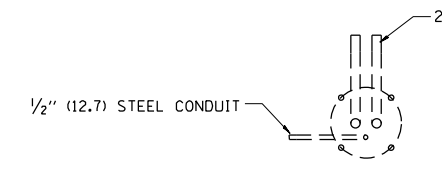
1" (25.4) STEEL CONDUIT

CLASS-X
CONCRETE

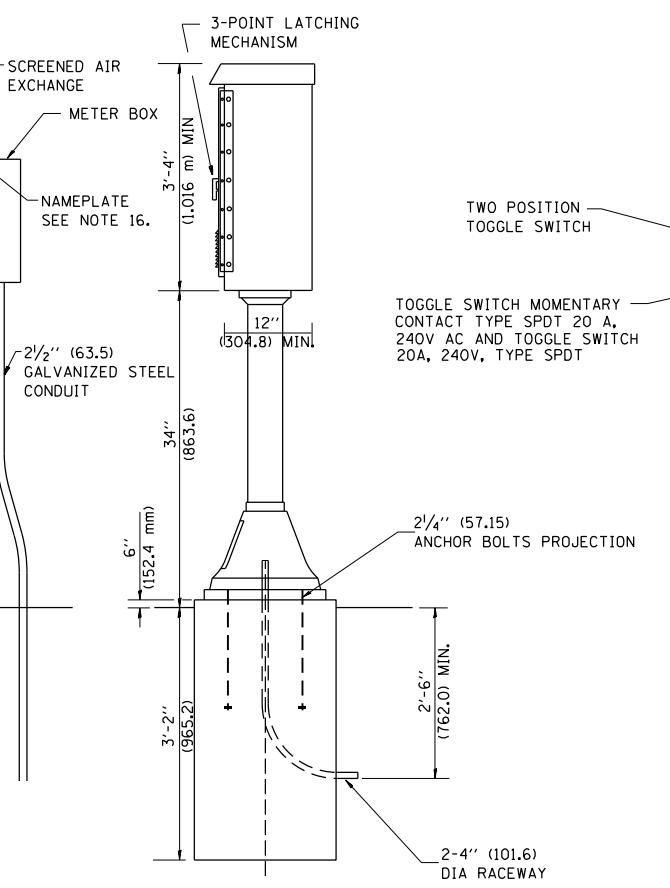
5/8" (15.875) X 10' (3.048 m)
GROUND ROD WITH EXOTHERMIC WELD
GROUND WIRE SHALL MEET
ASTM STANDARDS AND SHALL
NOT BE LESS THAN NO. 2

FRONT

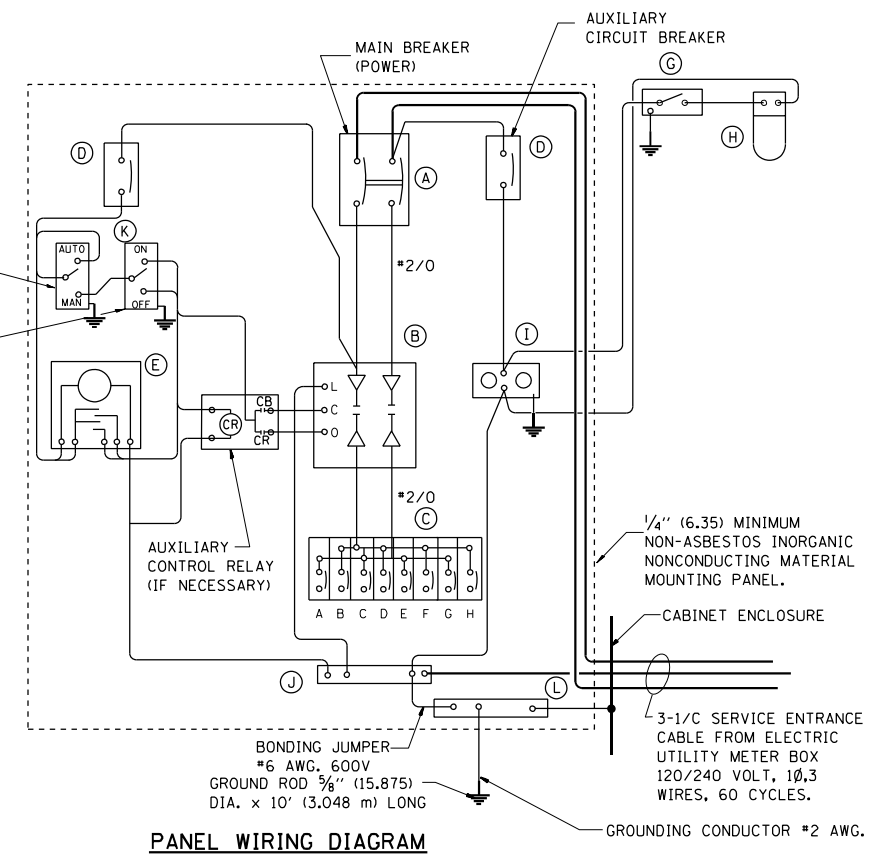
SIDE



FOUNDATION PLAN



CONTROL CABINET



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

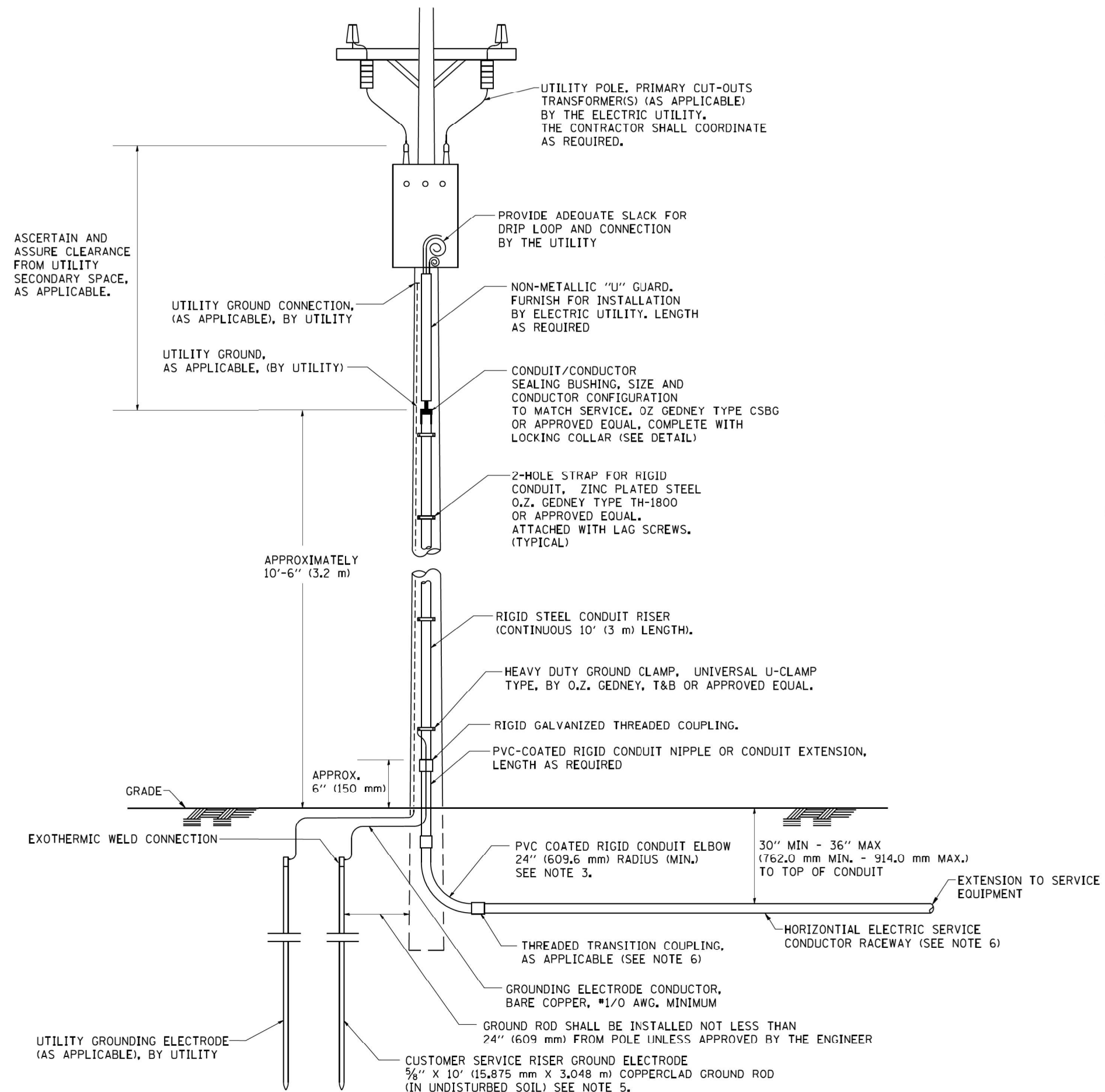
| BILL OF MATERIAL | | |
|------------------|----------|---|
| ITEM | QUANTITY | DESCRIPTION |
| A | 1 | MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT. |
| B | 1 | REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT. |
| C | 8 | CIRCUIT BREAKERS, 1 POLE, 277V., 100 AMP., FRAME 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V. |
| D | 2 | CONTROL CIRCUIT-CIRCUIT BREAKER, 16 POLE, 120 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V. |
| E | 1 | ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH]. |
| F | 1 | NOT USED |
| G | 1 | SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN, |
| H | 1 | INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP. |
| I | 1 | 20 A., 120 V., DUPLEX RECEPTACLE, GFCI. |
| J | 1 | COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS |
| K | 1 | TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX. |
| L | 1 | COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS |

NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH (101.6 mm) RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) X 60" (1524 mm) X 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF HAPSHIRE LIGHTING CONTROLS".

| | | |
|-----------------------|------------------|-----------|
| USER NAME = \$USERS | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALES | DRAWN - | REVISED - |
| PLOT DATE = 4/14/2021 | CHECKED - | REVISED - |
| | DATE - 4/16/2021 | REVISED - |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 174 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

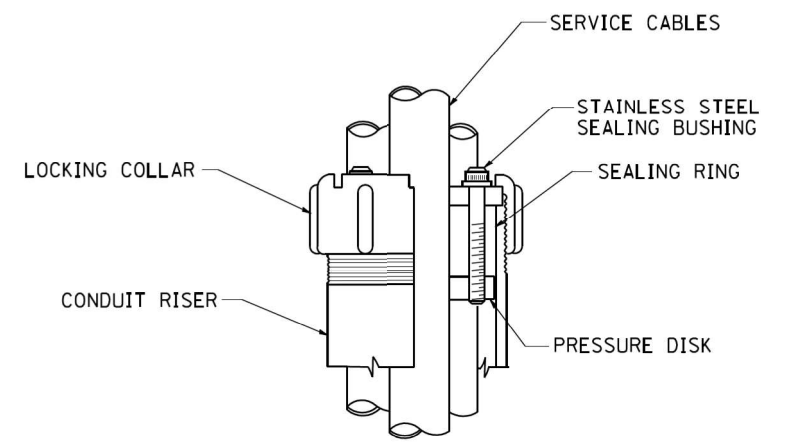


APPLICATION

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

NOTES

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

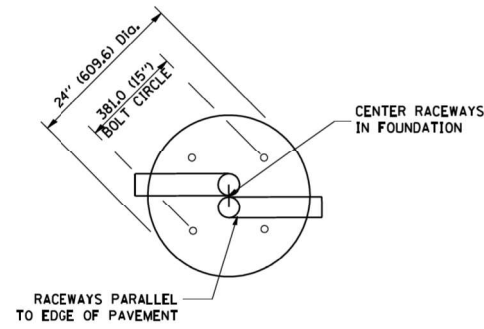


SEALING BUSHING DETAIL

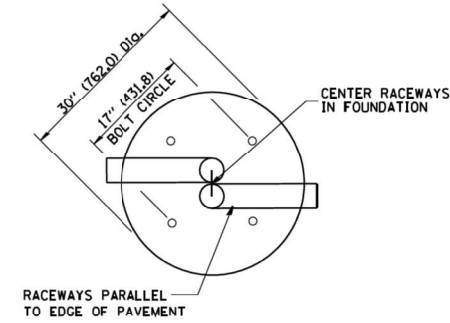
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| FILE NAME = W:\diststd\22x34\be220.dgn | USER NAME = gaglianobt | DESIGNED - DRAWN - | REVISED - 03-03-06 REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT | | | F.A. RTE. = 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 175 |
| PLOT SCALE = 50.0000 ' / IN. | CHECKED - MEA | DATE - | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | BE-220 | | CONTRACT NO. | | |
| PLOT DATE = 1/4/2008 | DATE - | REVISED - | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| E-08 | | | | | | | | | | | | |

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

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



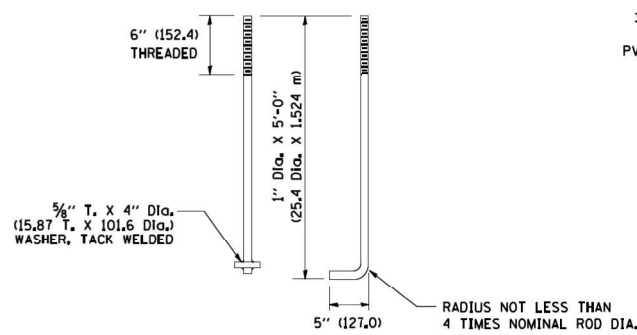
TOP VIEW



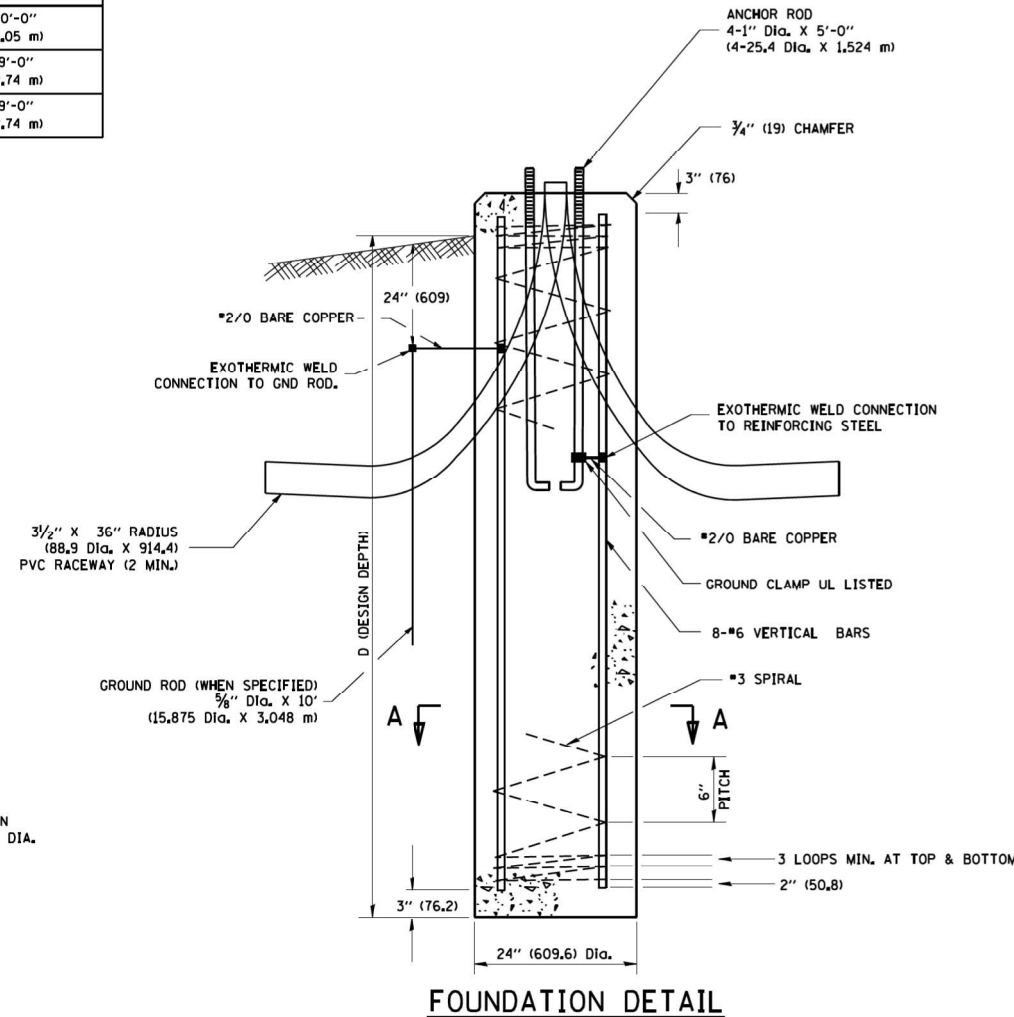
TOP VIEW

NOTES

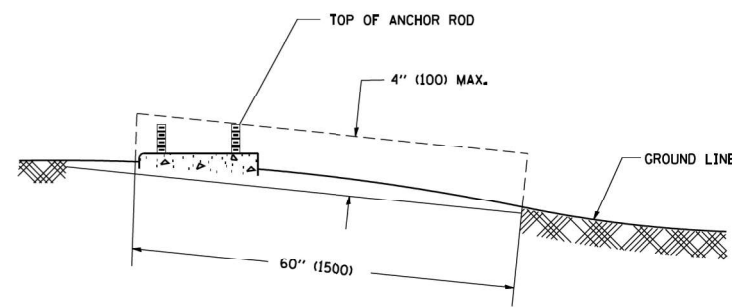
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION.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



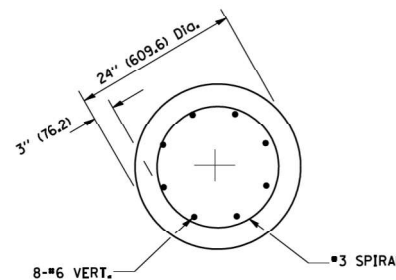
ANCHOR ROD DETAIL



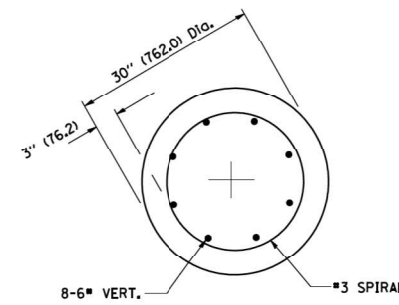
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



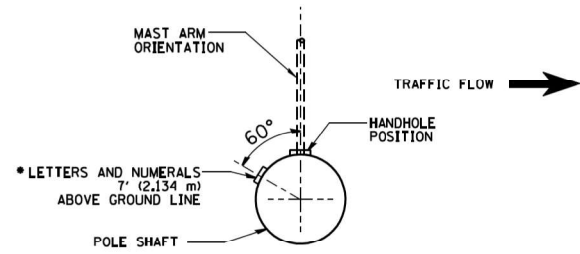
SECTION A-A

| | | | |
|--|-----------------------------|------------|--------------------|
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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 1/4/2008 | DATE - | REVISED - |

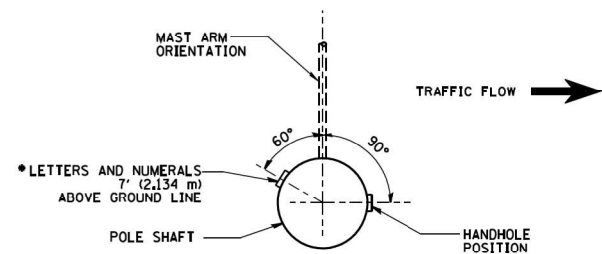
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

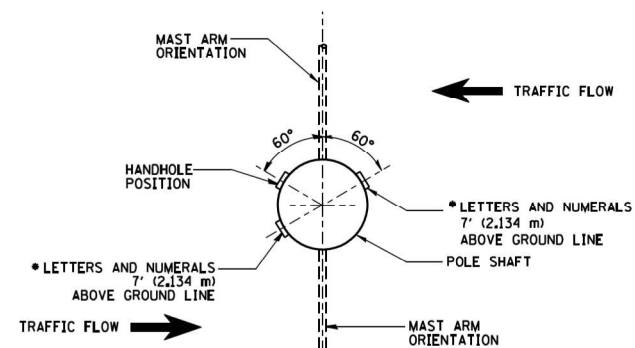
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|---|------------------|--------------|------------------|---------------|
| F.A. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 176 |
| BE-301 | | CONTRACT NO. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



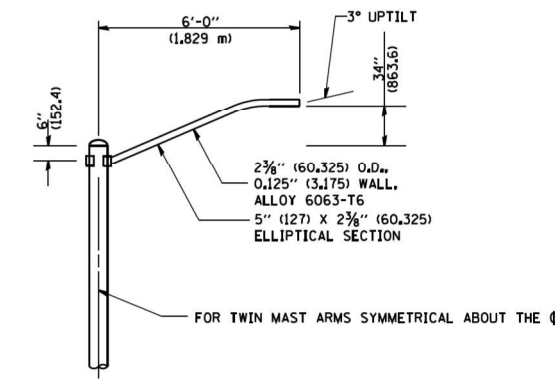
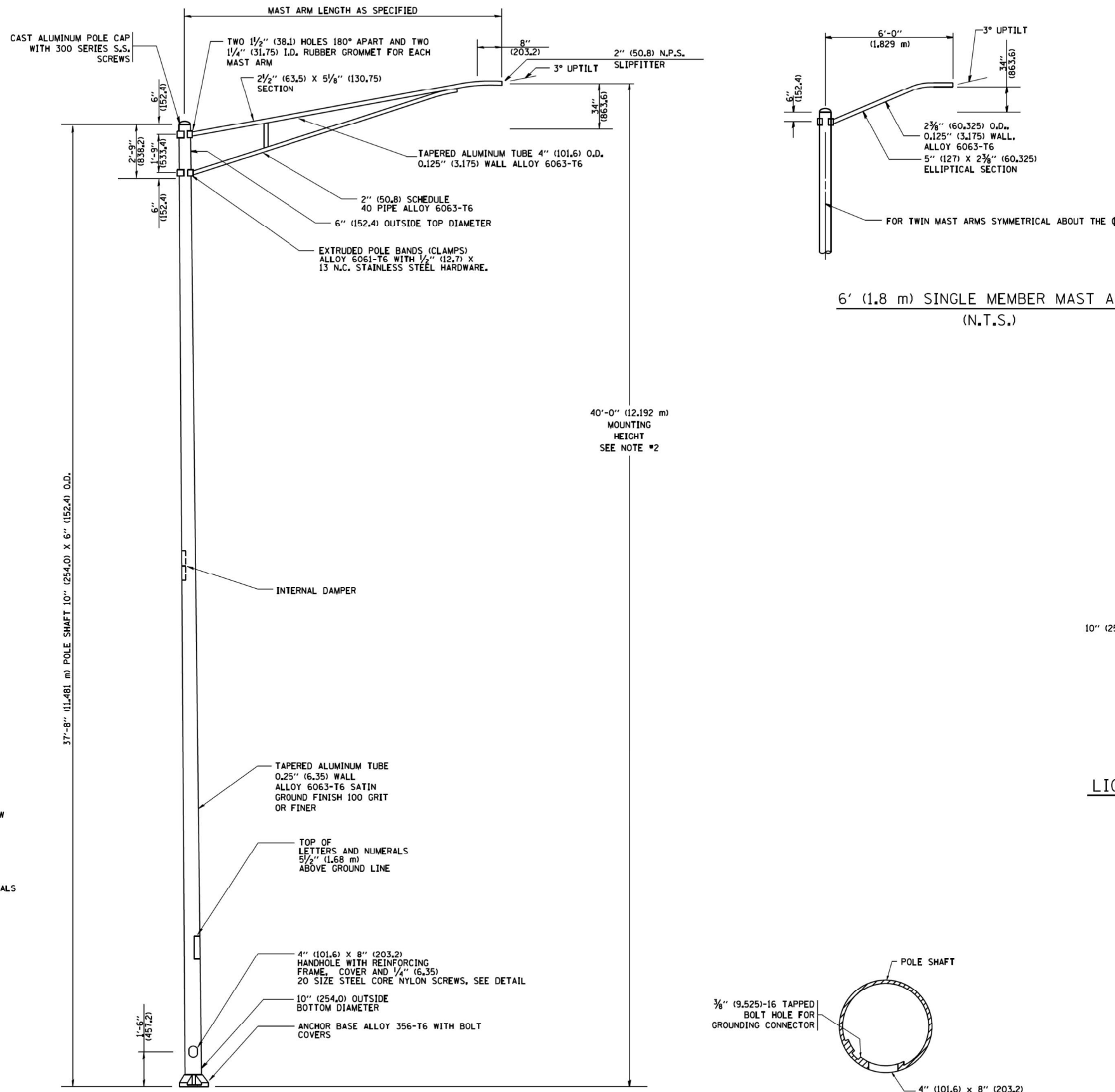
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



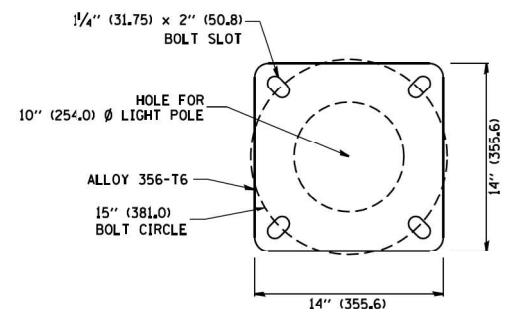
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



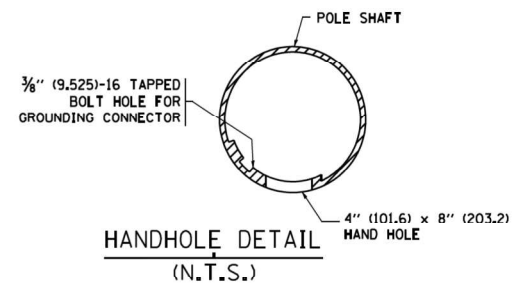
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



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



HANDHOLE DETAIL (N.T.S.)

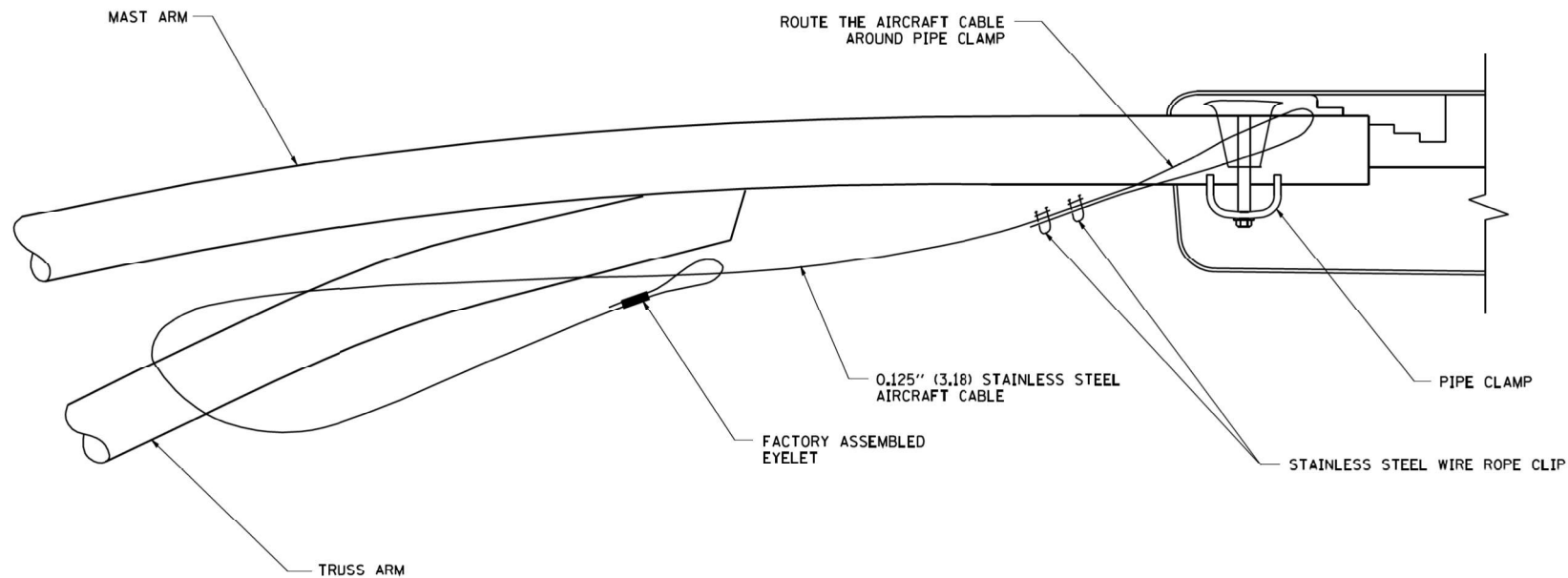
- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE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

| | | | |
|--|-------------------------------|-----------------|----------------------------------|
| FILE NAME = W:\dststd\22x34\be401.dgn | USER NAME = geglianob | DESIGNED - - | REVISED - R. TOMSONS 09-06-00 |
| | | DRAWN - - | REVISED - R. TOMSONS 09-02-03 |
| | PLOT SCALE = 50.000' / IN. | CHECKED - - | REVISED - - |
| | PLOT DATE = 1/4/2008 | DATE - - | REVISED - - |

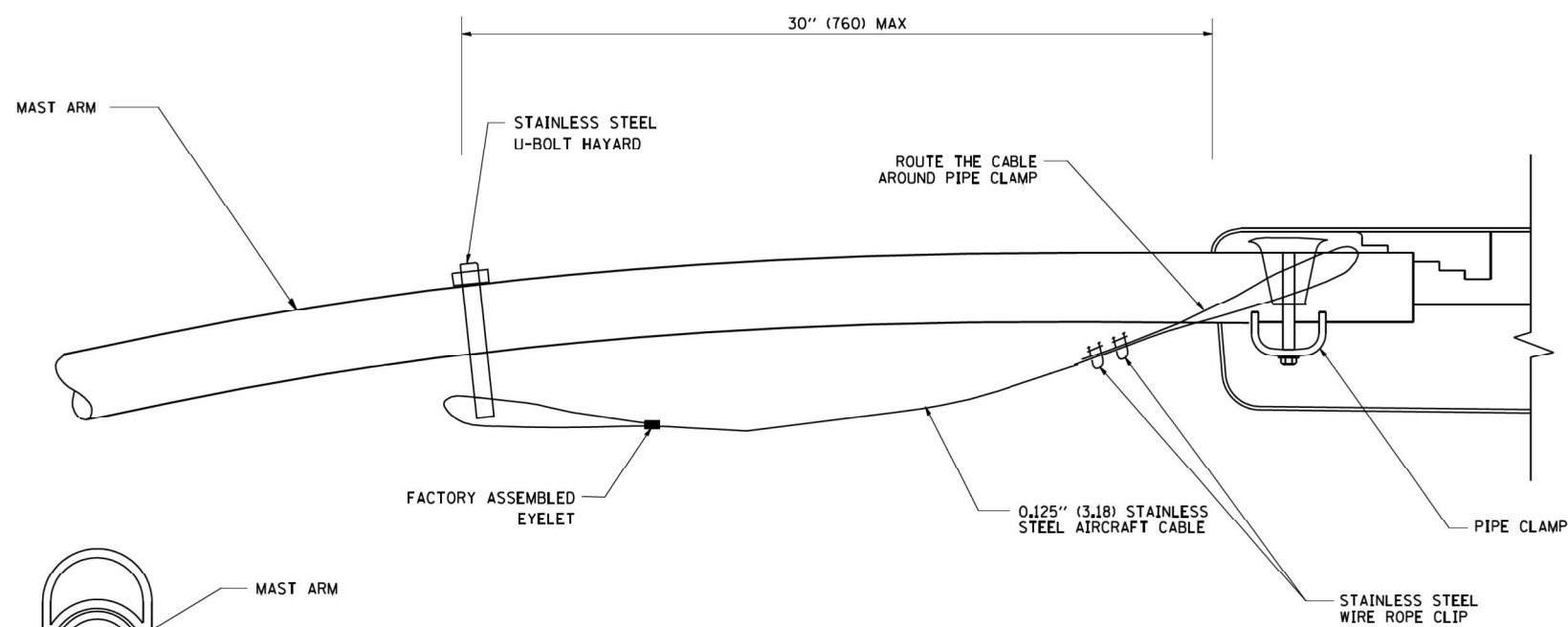
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|-----------------------------------|-------------|-------------|--------------|
| ALUMINUM LIGHT POLE | | | |
| 40'-0" (12.192 m) MOUNTING HEIGHT | | | |
| SCALE: NONE | SHEET NO. 1 | OF 1 SHEETS | STA. TO STA. |

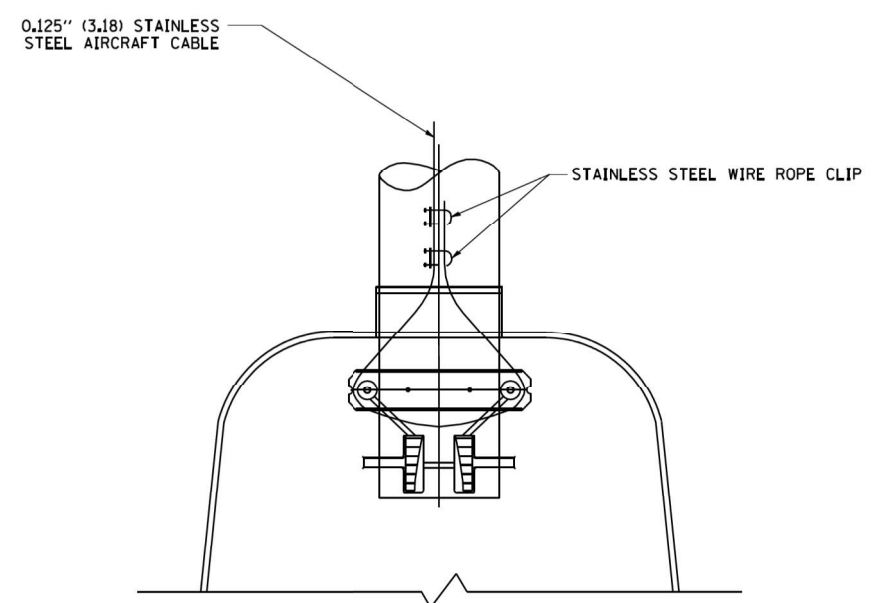
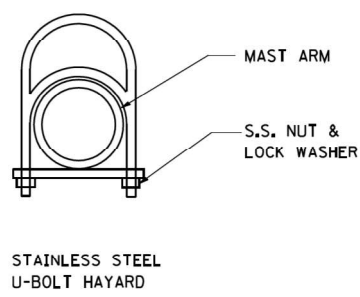
| | | | | |
|---|-----------------------|------------------|-----------------------|--------------------|
| F.A. RTE. = 557 | SECTION = 32R-DR-1 | COUNTY = KANE | TOTAL SHEETS = 236 | SHEET NO. = 177 |
| BE-401 | | | CONTRACT NO. | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



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



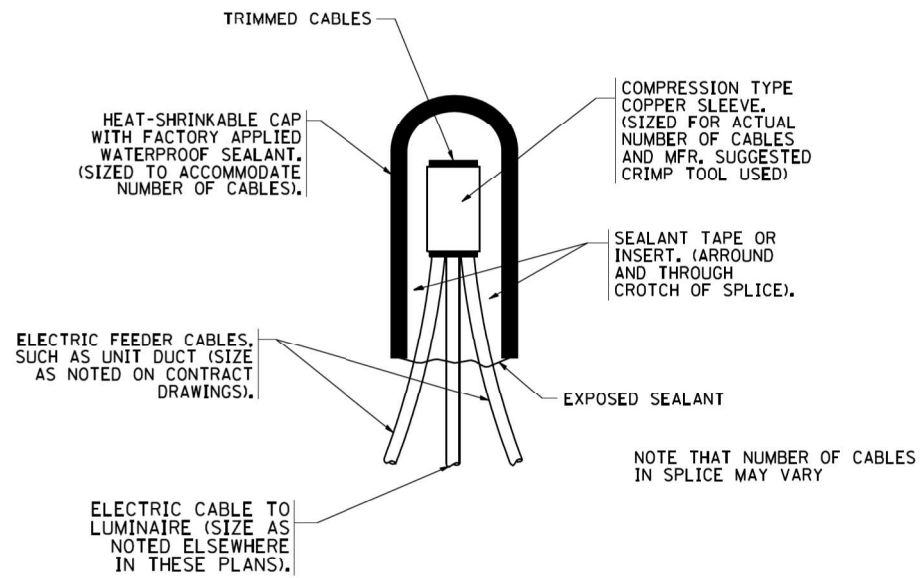
SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

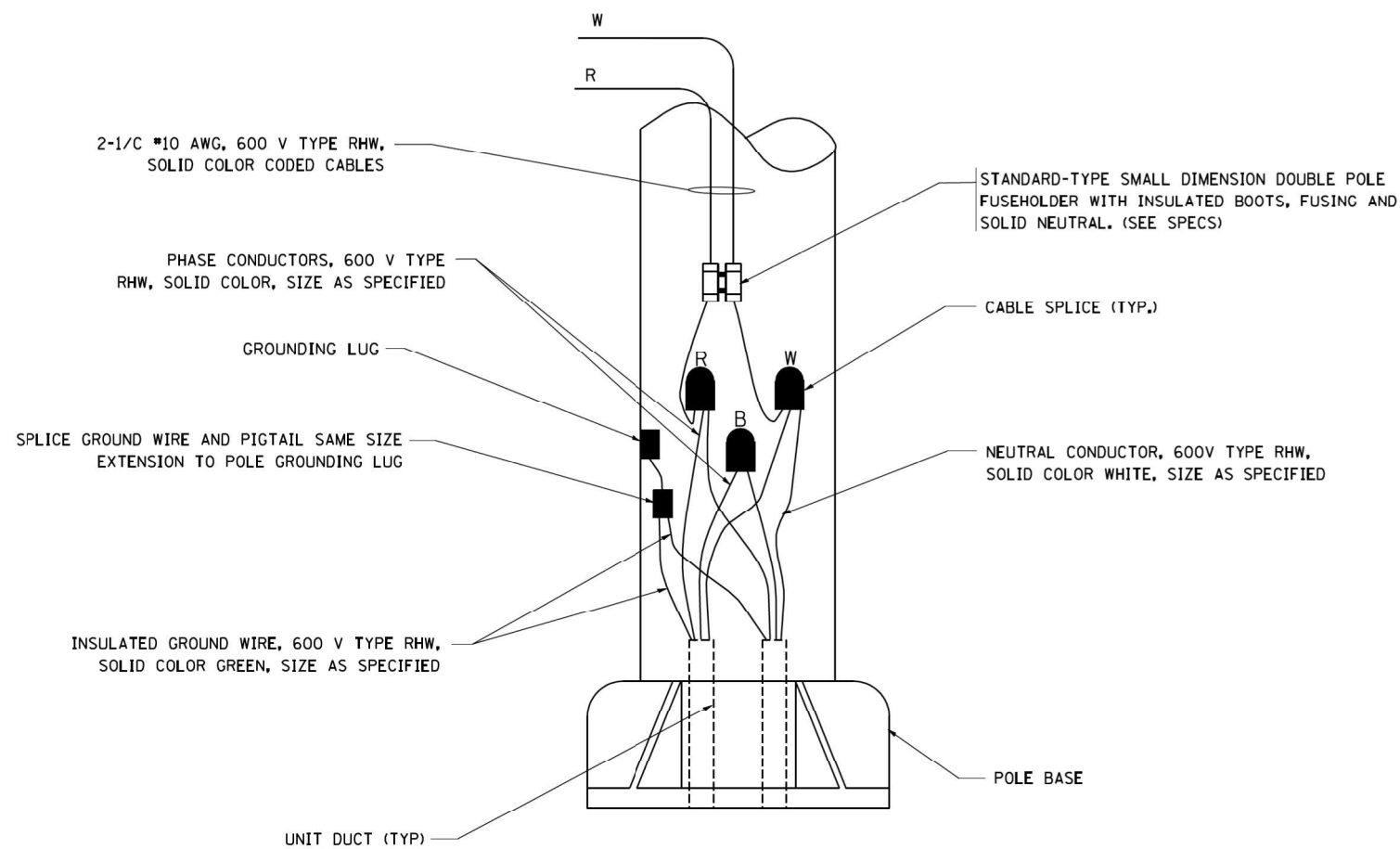
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

| | | | | | | | | | | | | | |
|---|---------------------------|--|--|-------------|---|--|--|--|-------------------------|---------------------|----------------|---------------------|------------------|
| FILE NAME = W:\diststd\22x34\be701.dgn | USER NAME = gaglianobt | DESIGNED - DRAWN - CHECKED - DATE - | REVISED - REVISED - REVISED - REVISED - | 08-08-03 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | LUMINAIRE SAFETY CABLE ASSEMBLY | | F.A. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 178 |
| PLOT SCALE = 50.000 ' / IN. | PLOT DATE = 1/4/2008 | DATE - | REVISED - | SCALE: NONE | | | | | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | BE-701 | | CONTRACT NO. |



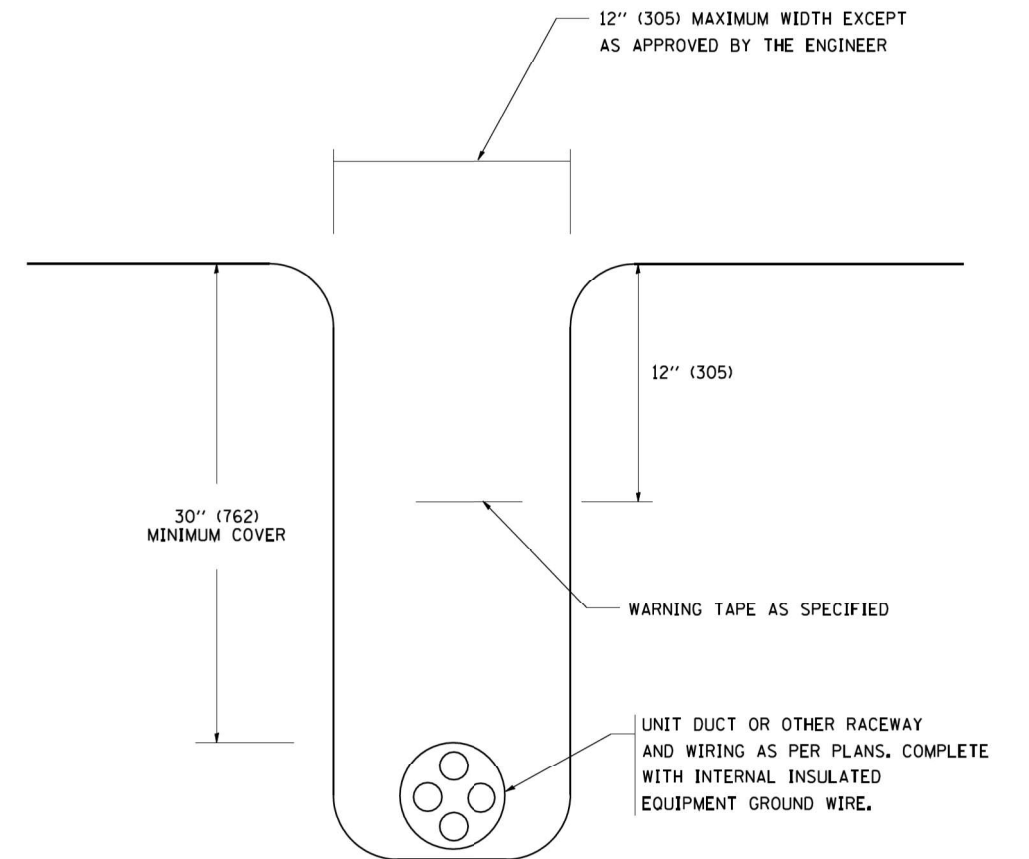
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

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PLOT DATE = 1/4/2008

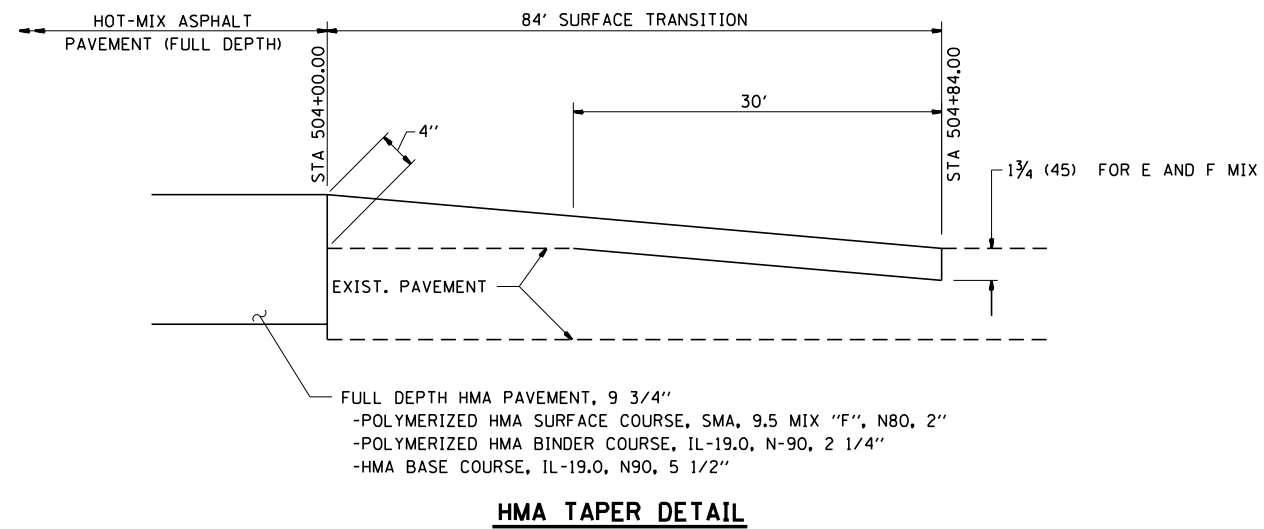
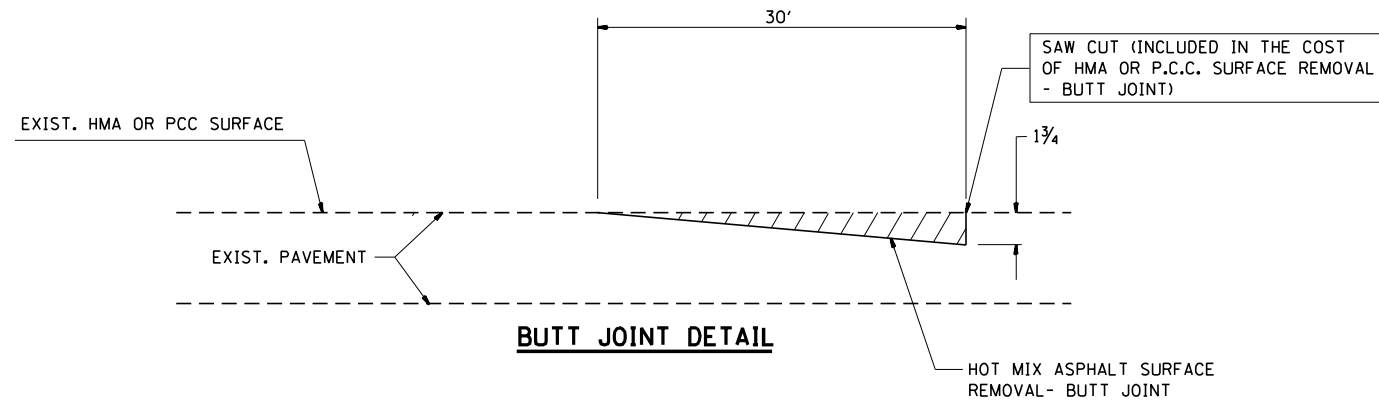
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DRAWN -
CHECKED -
DATE -

REVISED - 08-08-03
REVISED -
REVISED -
REVISED -

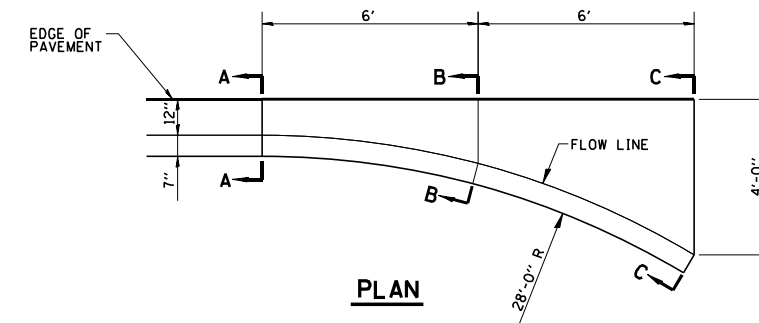
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS
SHEET A**
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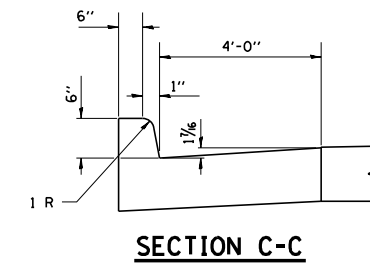
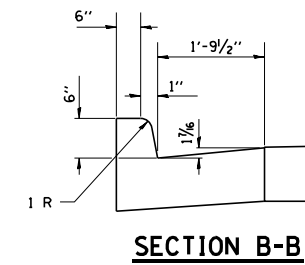
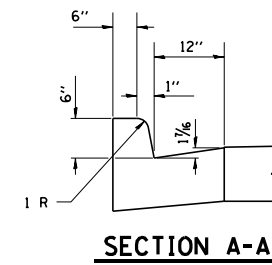
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|---|----------|--------|--------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 179 |
| BE-702 | | | CONTRACT NO. | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



TYPICAL BUTT JOINT AND HMA TAPER



INLET FOR COMBINATION CONCRETE CURB AND GUTTER



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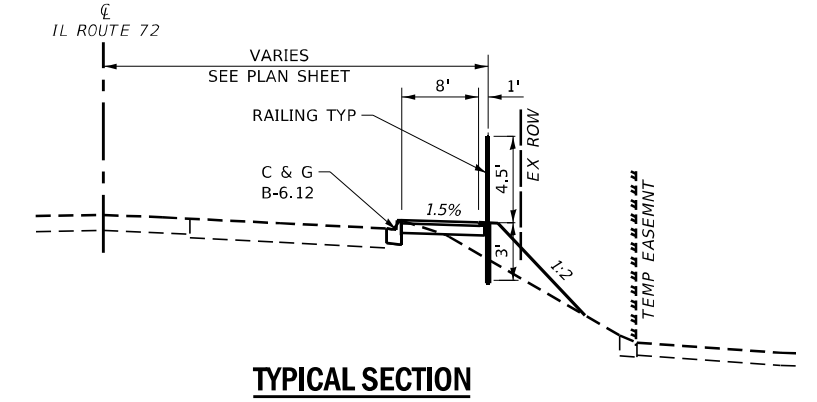
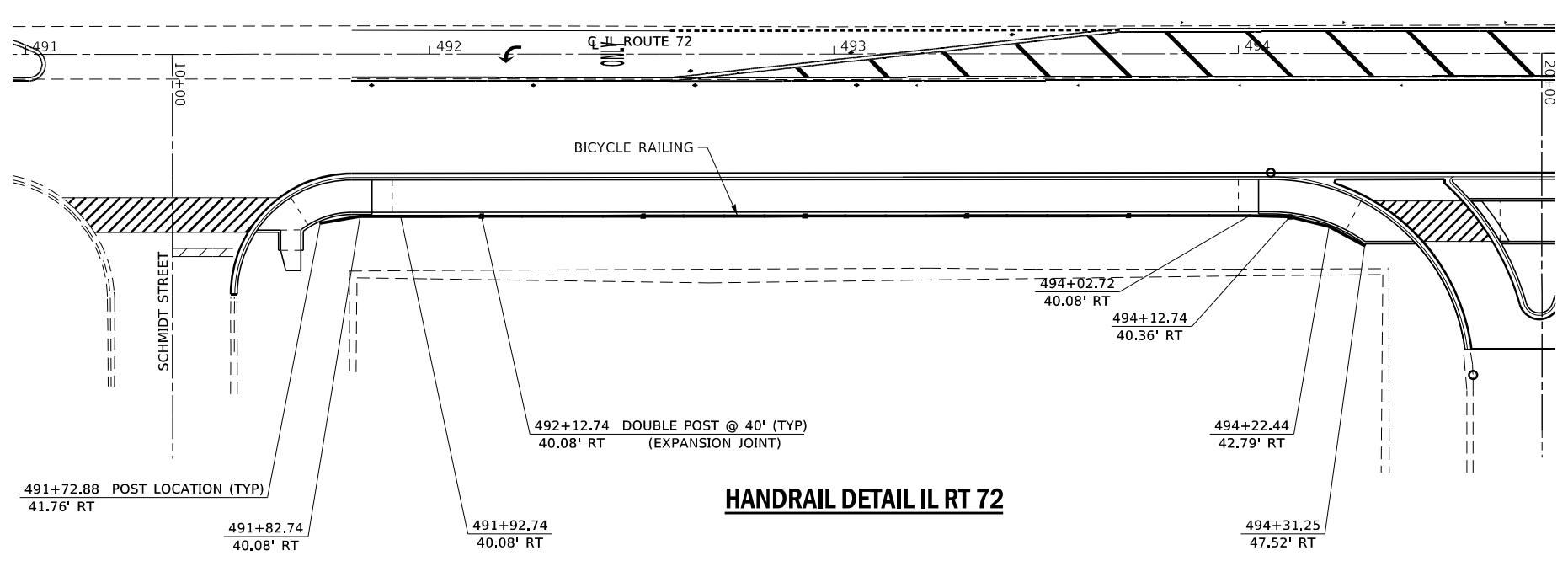
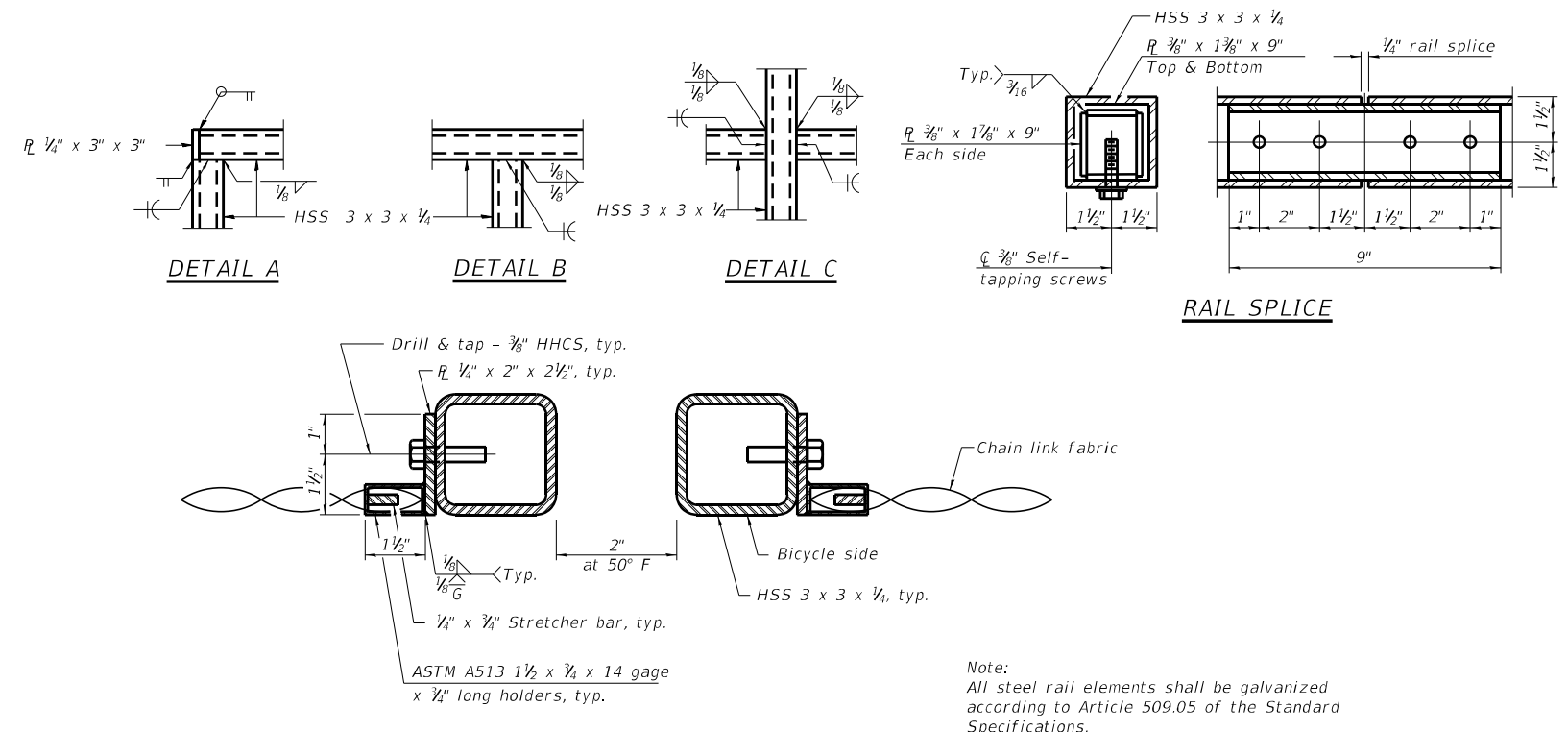
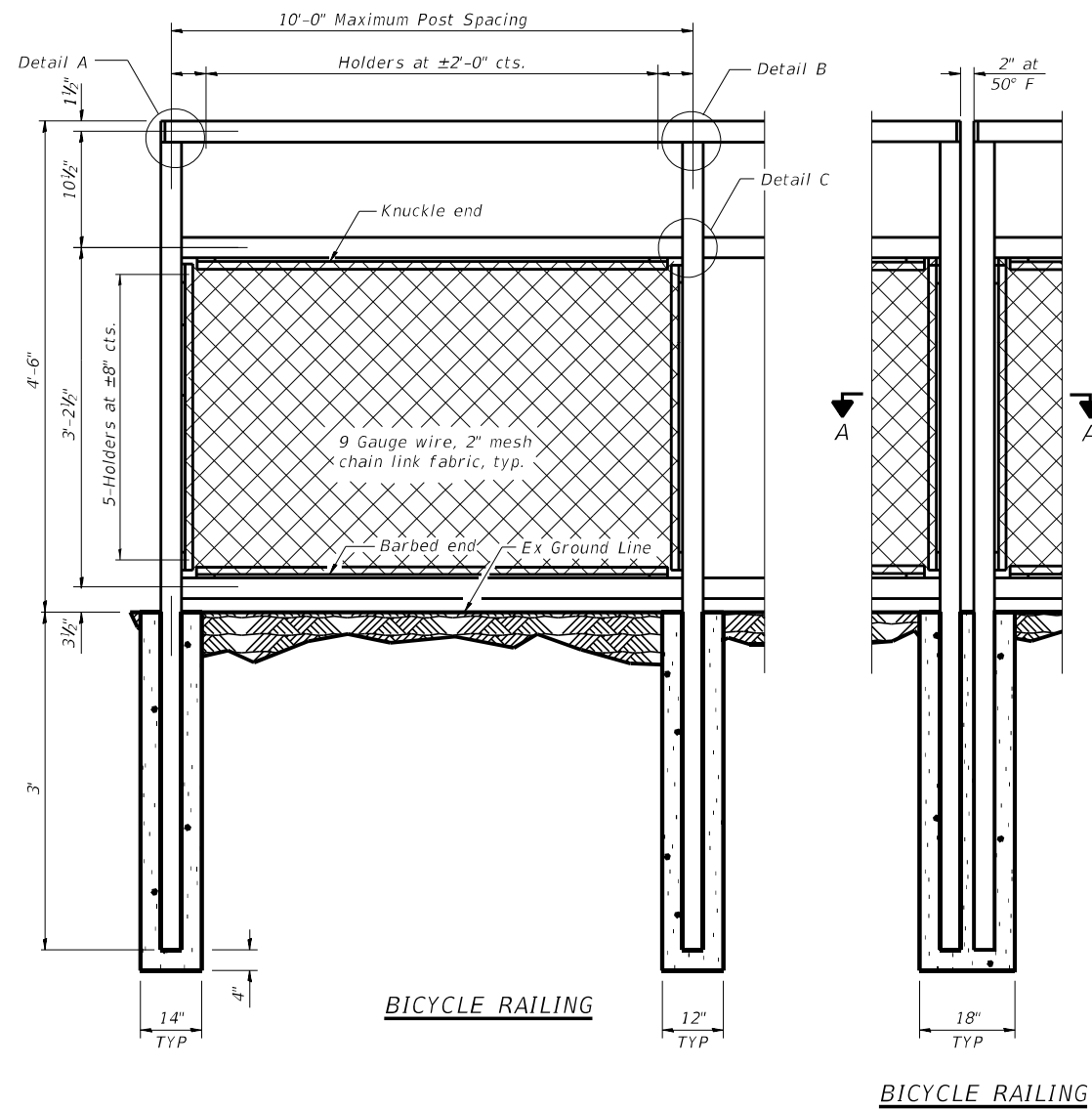
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| PLOT DATE | + 5/5/2021 | DATE | - 11/25/2020 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS
DETAILS

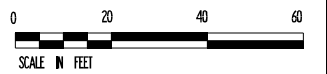
SCALBIONE SHEET 1 OF 1 SHEETS STA. TO STA.

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| 557 | 32R-DR-1 | KANE | 236 | 180 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K465(549) | | | | |



BILL OF MATERIAL

| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY |
|-------------|-----------------|------|----------------|
| 50901720 | BICYCLE RAILING | FOOT | 260 |



FILE NAME: S:\Projects\418-2009\0418-IL-72 & State Street Design\CADD Sheets\0162G11-rht-Railing Detail.dgn



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| MODEL NAME + RLG DET 01 | DRAWN - LEC | REVISED - |
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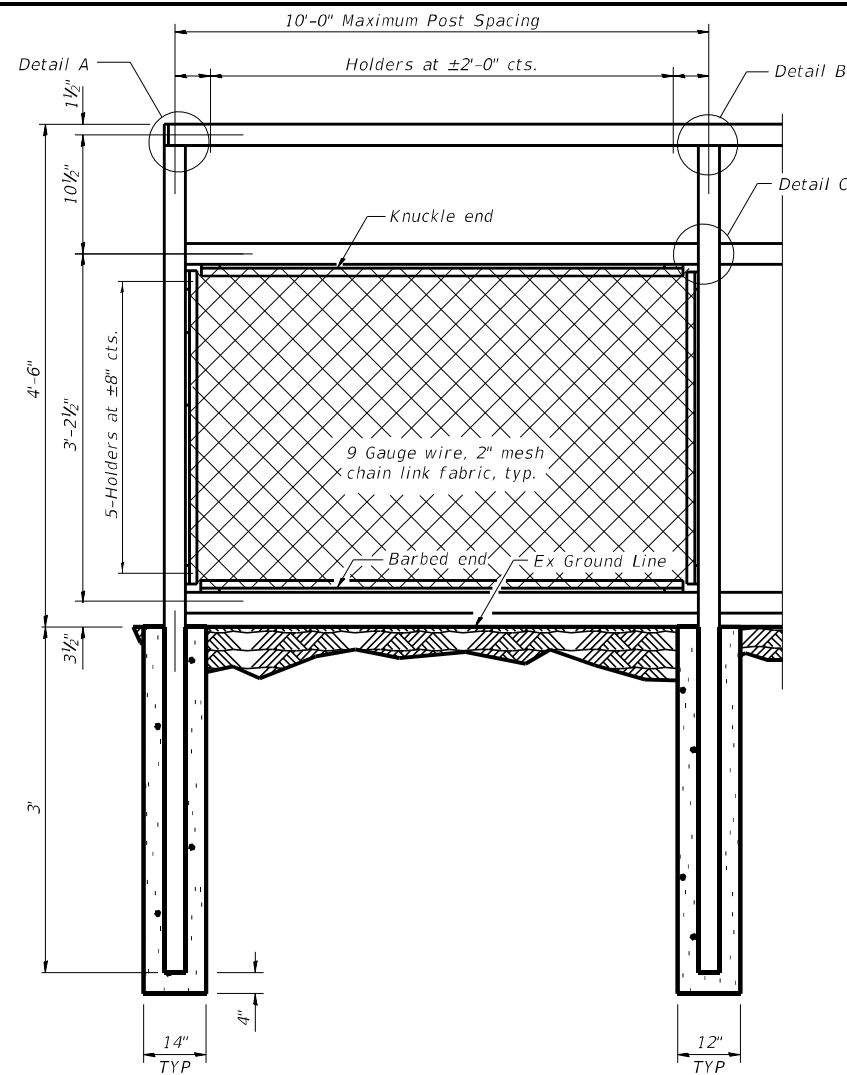
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RAILING DETAILS
 IL ROUTE 72

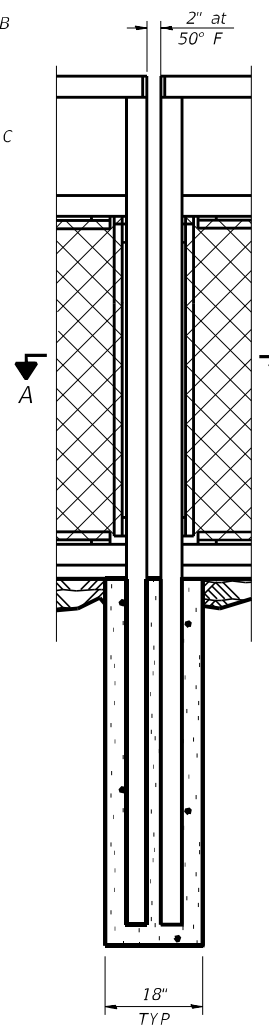
SCALE: 1"=20'

| | |
|---------------------|-------------|
| SHEET 1 OF 2 SHEETS | IL ROUTE 72 |
|---------------------|-------------|

| | | | | |
|--|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 181 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |

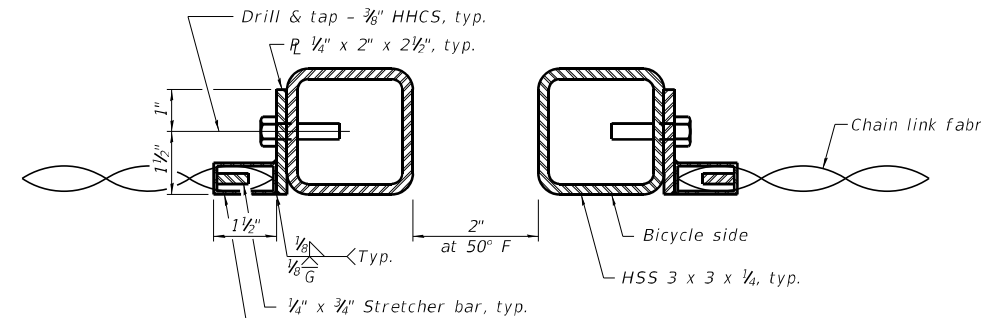
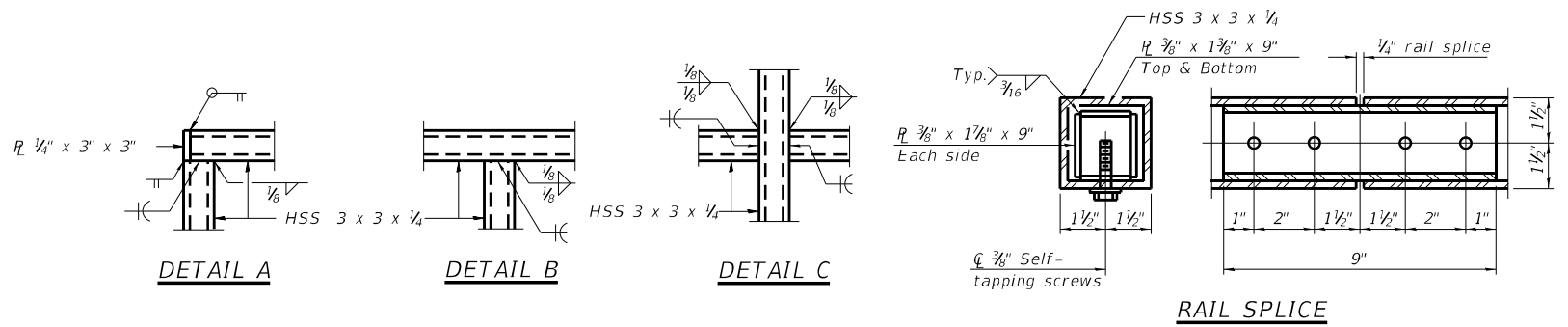


BICYCLE RAILING



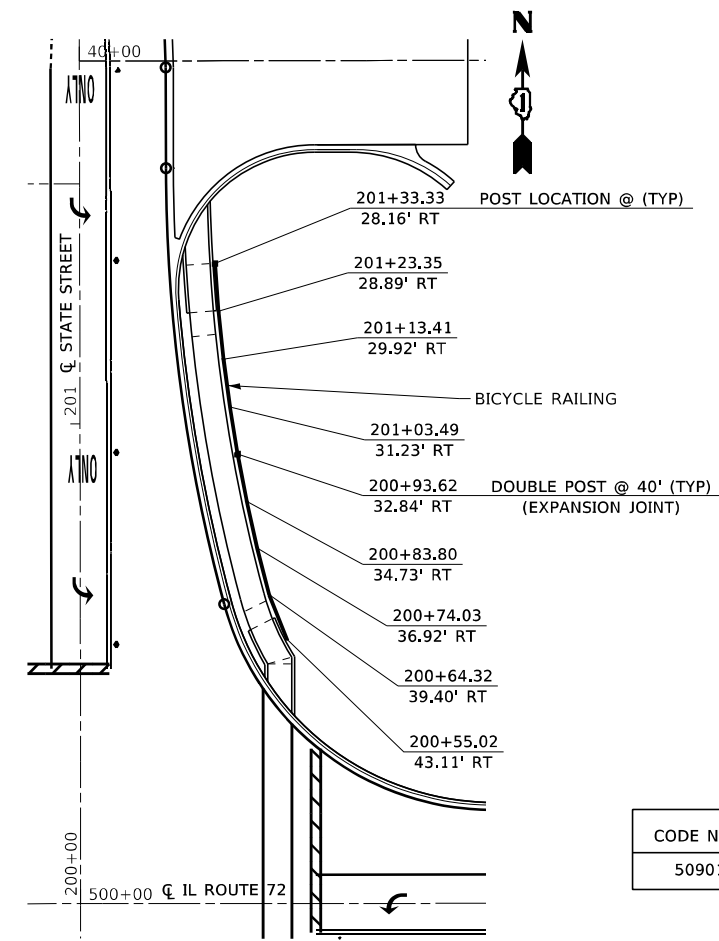
BICYCLE RAILING

RAILING DETAIL

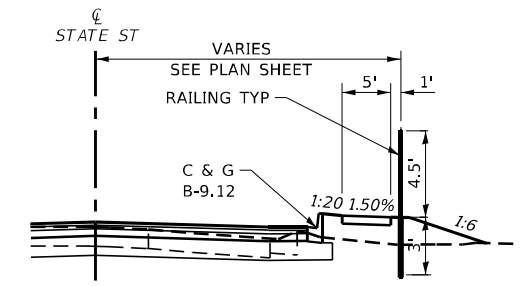


SECTION A-A
Maximum fence runs are 40'.
Expansion Joint, Double Post to be placed at 40', typ.

Note:
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



HANDRAIL DETAIL STATE STREET



TYPICAL SECTION

BILL OF MATERIAL

| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY |
|-------------|-----------------|------|----------------|
| 50901720 | BICYCLE RAILING | FOOT | 80 |



FILE NAME: S:\Projects\418-2009-04\72 & State Street\Design\CADD Sheets\0162011-11-Railing Detail.dgn



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| MODEL NAME | + RLG DET 02 | DRAWN | - LEC | REVISED | - |
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| PLOT DATE | + 4/29/2021 | DATE | - 11/25/2020 | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAILING DETAILS
STATE STREET**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STATE ST

| | | | | |
|--|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 182 |
| CONTRACT NO. 62G11 | | | | |
| ILLINOIS FED. AID PROJECT NHPP-K445(549) | | | | |

Benchmark: B.M. #1 NGS Disc in Northwest Corner of IL 72 and State Street. Elev. 896.86
 N: 1,974,916.2286 E: 930,813.1875

Existing Structure: S.N. 045-0240 carrying F.A.P. Route 557 / Illinois Route 72 (Oak Knoll Drive) over Hampshire Creek Tributary C, was built in 1924 and widened in 1998. The structure consists of a cast-in-place reinforced concrete single box culvert with cast-in-place reinforced concrete wingwalls. Culvert Length is 57'-3" from outside of headwall to outside of headwall. At the south end of the structure, the opening is 7'-0" wide by 4'-0" high. At the north end of the structure, the opening is 6'-0" wide by 4'-0" high. The existing structure is to be removed and replaced.

Traffic control: One lane in each direction will be maintained utilizing staged construction.

No salvage.

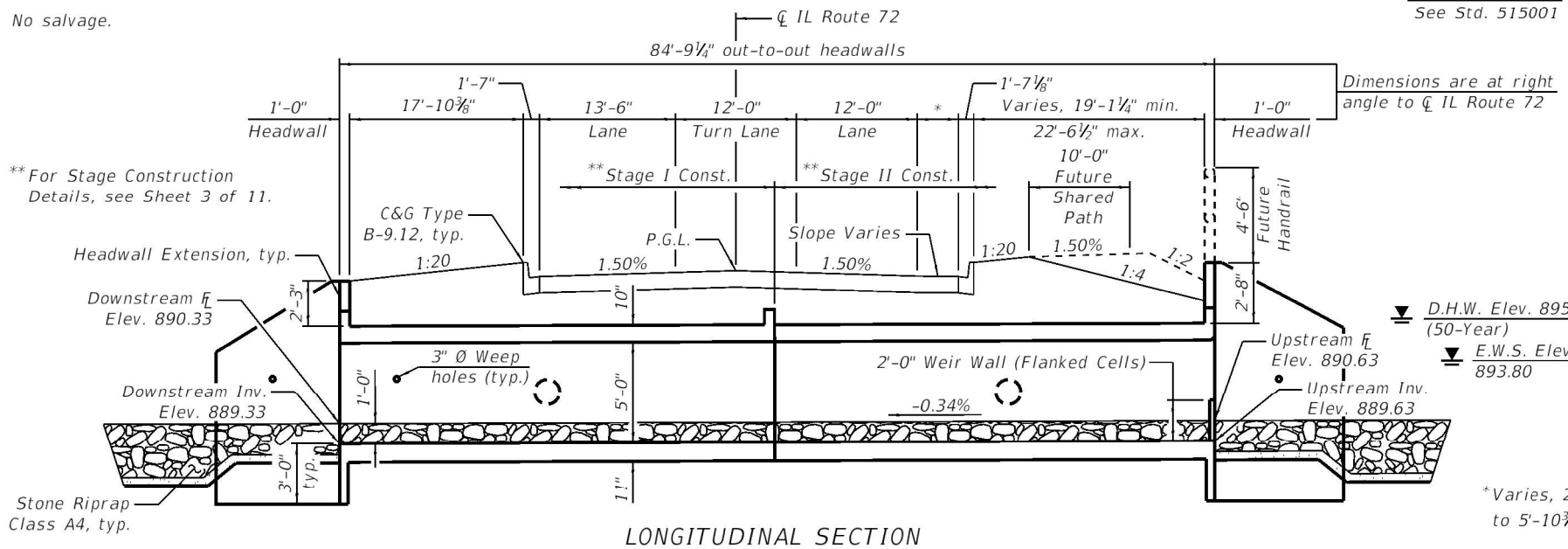
STATION 500+99.77
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RT. 557 SEC. 32R-DR-1
 LOADING HL-93
 STR. NO. 045-2107

NAME PLATE
 See Std. 515001

WATERWAY INFORMATION

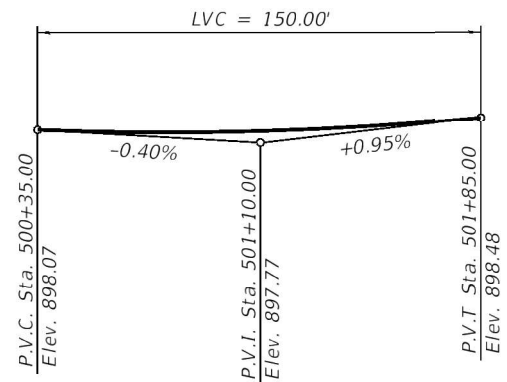
| Drainage Area = 1.6 Sq. Mi. | | Low Grade Elev. 897.67 @ Sta. 500+86.26 | | | | | | | |
|-----------------------------|-----------|---|-------------------------|-------|---------------|-------|---------------|--------|--------|
| Flood | Freq. Yr. | Q C.F.S. | Opening Ft ² | | Head - Ft. | | Headwater El. | | |
| | | | Exist. | Prop. | H.W.E. Exist. | Prop. | Exist. | Prop. | |
| | 10 | 240 | 28.0 | 80.0 | 895.05 | 2.83 | 0.02 | 897.88 | 895.07 |
| Design | 50 | 442 | 28.0 | 80.0 | 895.88 | 2.37 | 0.42 | 898.25 | 896.30 |
| Base | 100 | 529 | 28.0 | 80.0 | 896.14 | 2.25 | 1.35 | 898.39 | 897.49 |
| Overtopping | 145 | 555 | 28.0 | 80.0 | 896.21 | 2.26 | 1.66 | 898.47 | 897.87 |
| Max. Calc. | 500 | 732 | 28.0 | 80.0 | 896.67 | 2.10 | 2.10 | 898.77 | 898.77 |

2-Year Flow Rate = 140 ft³/s

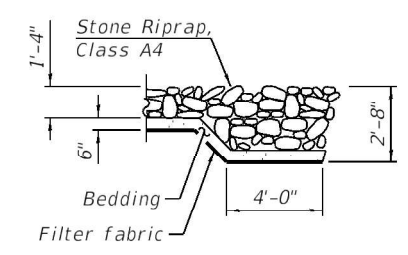


** For Stage Construction Details, see Sheet 3 of 11.

Stone Riprap Class A4, typ.



PROFILE GRADE
 (Along IL Route 72)



SECTION A-A

INDEX OF SHEETS

| Sheet No. | Description |
|-----------|---|
| 1 | General Plan and Elevation |
| 2 | General Notes and Total Bill of Material |
| 3 | Stage Construction and Structure Removal Details |
| 4 | Temporary Concrete Barrier for Stage Construction |
| 5 | Bottom Slab Layout |
| 6 | Exterior Wall Layout |
| 7 | Interior Wall Layout |
| 8 | Top Slab Layout |
| 9 | Sections and Details |
| 10 | Pipe Inlet Blockout Details |
| 11 | Bar Splicer Assembly and Mechanical Splicer Details |
| 12 | Soil Borings |

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

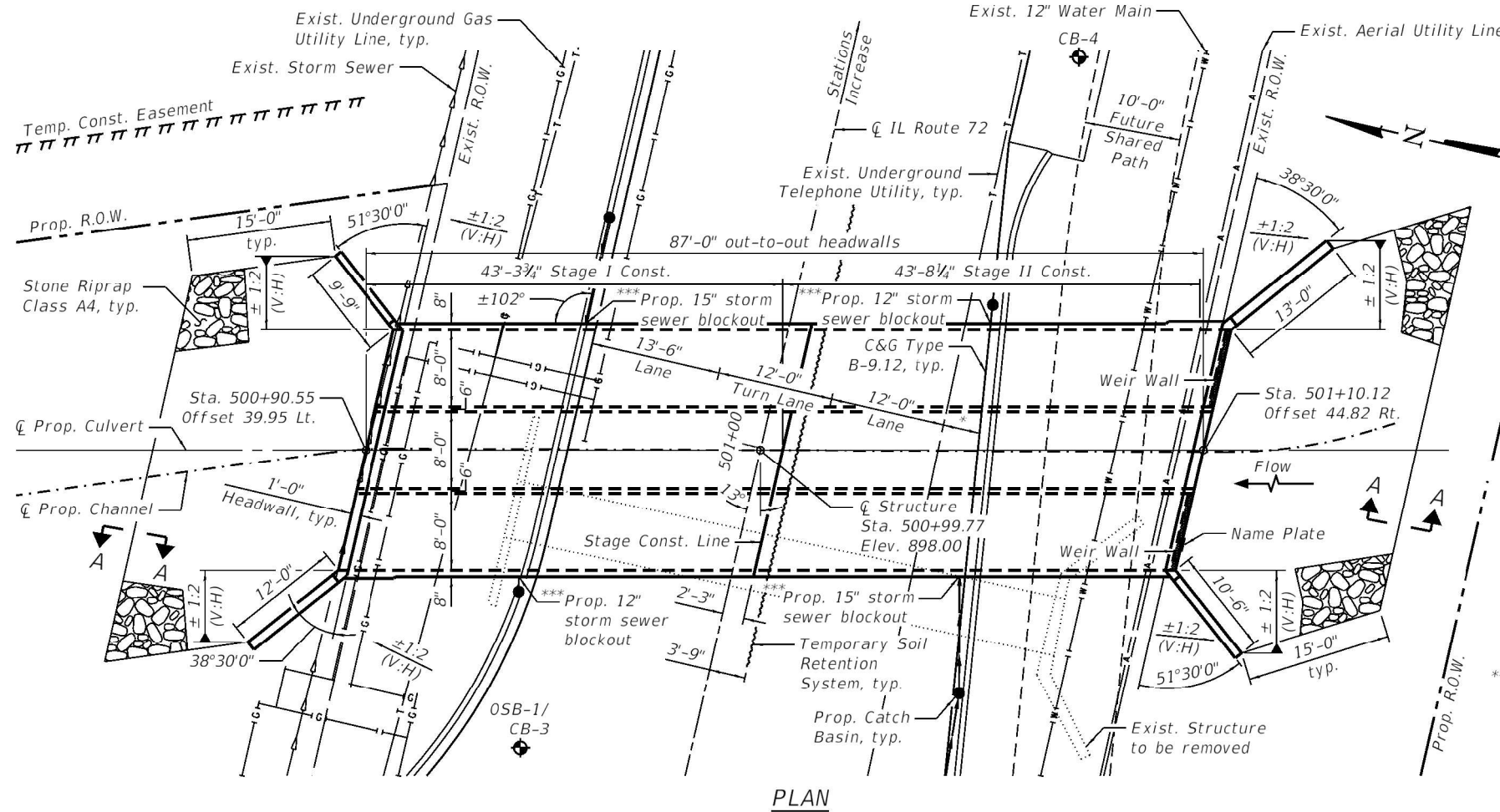
LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)



Temp. Const. Easement

Stone Riprap Class A4, typ.

Sta. 500+90.55
 Offset 39.95 Lt.

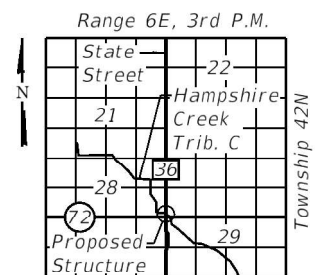
Headwall, typ.

OSB-1/
 CB-3

APPROVED
 For Structural Adequacy Only
 [Signature]
 Engineer of Bridges & Structures

RONALD E. BREVILLE
 081-005711
 LICENSED
 STRUCTURAL
 ENGINEER
 ST. LOUIS MO
 STATE OF ILLINOIS

29 JUN 2021
 EXP: 30 NOV 2022



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
 ILLINOIS ROUTE 72 OVER
 HAMPSHIRE CREEK TRIBUTARY C
 F.A.P. RTE. 557 - SECTION 32R-DR-1

KANE COUNTY
 STATION 500+99.77
 STRUCTURE NO. 045-2107



| USER NAME | DESIGNED | REVISIONS |
|--|----------|-----------|
| CAUSTIFF | CPA | - |
| Illinois Design Firm Number 184,001670 | REB | - |
| PLOT SCALE | CPA | - |
| PLOT DATE = 6/29/2021 2:12:14 PM | REB | - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BOX CULVERT
 STRUCTURE NO. 045-2107

SHEET 1 OF 12 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------|--------|--------------------|-----------|
| 557 | 32R-DR-1 | KANE | 236 | 183 |
| STRUCTURE NO. 045-2107 | | | CONTRACT NO. 62G11 | |
| ILLINOIS FED AID PROJECT | | | | |

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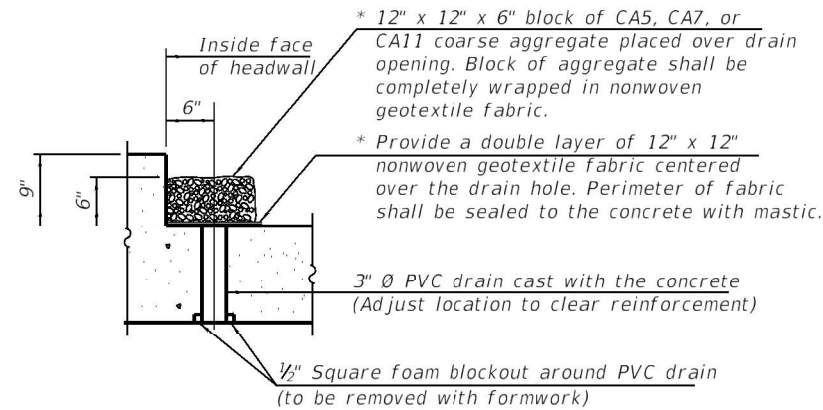
GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

All exposed concrete corners and edges will be chamfered 3/4-inch unless noted otherwise in the plans.

Reinforcement bars designated (E) shall be epoxy coated.

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

TEMPORARY SOIL RETENTION SYSTEM AREAS

(Pay quantity for Temporary Soil Retention System per Stage)

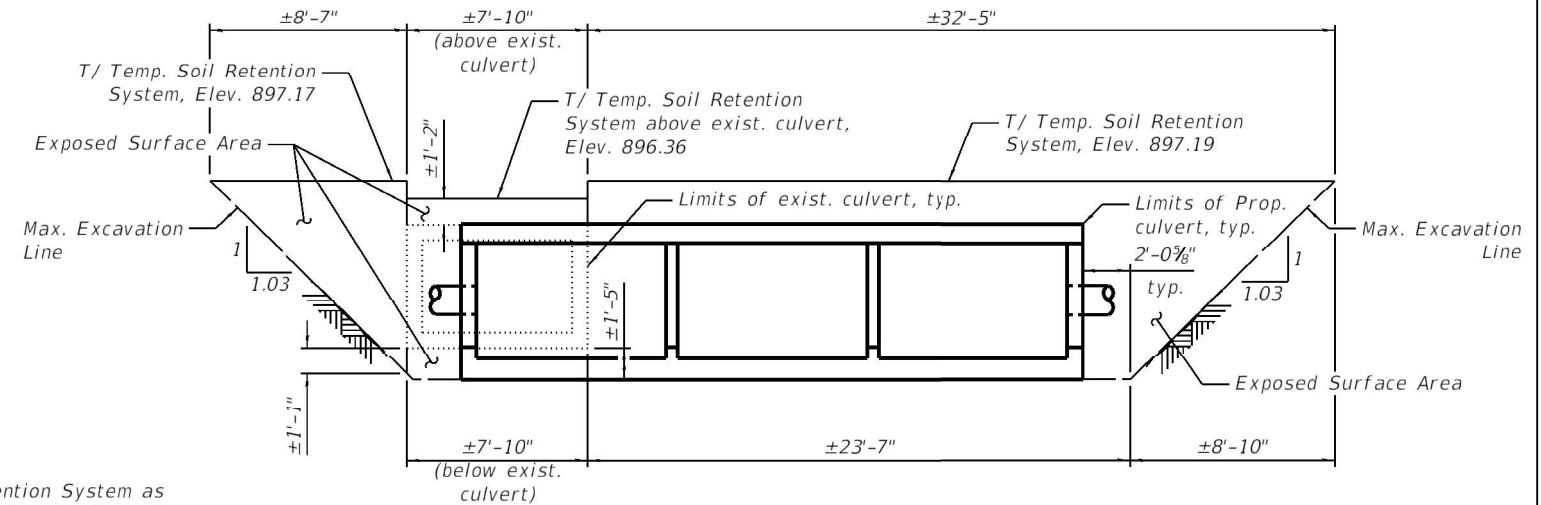
| | Area (Sq. Ft.) |
|--------------|----------------|
| Stage I | 297 |
| Stage II | 15 |
| Total | 312 |

**** Stage II pay quantity includes only additional exposed surface area which is not retained during Stage I.

*** Adjust Stage I Temporary Soil Retention System as required for Stage II construction. See details and Standard Specifications. See Temporary Soil Retention System Areas table for Stage I and Stage II Temporary Soil Retention System pay quantities.

TOTAL BILL OF MATERIAL

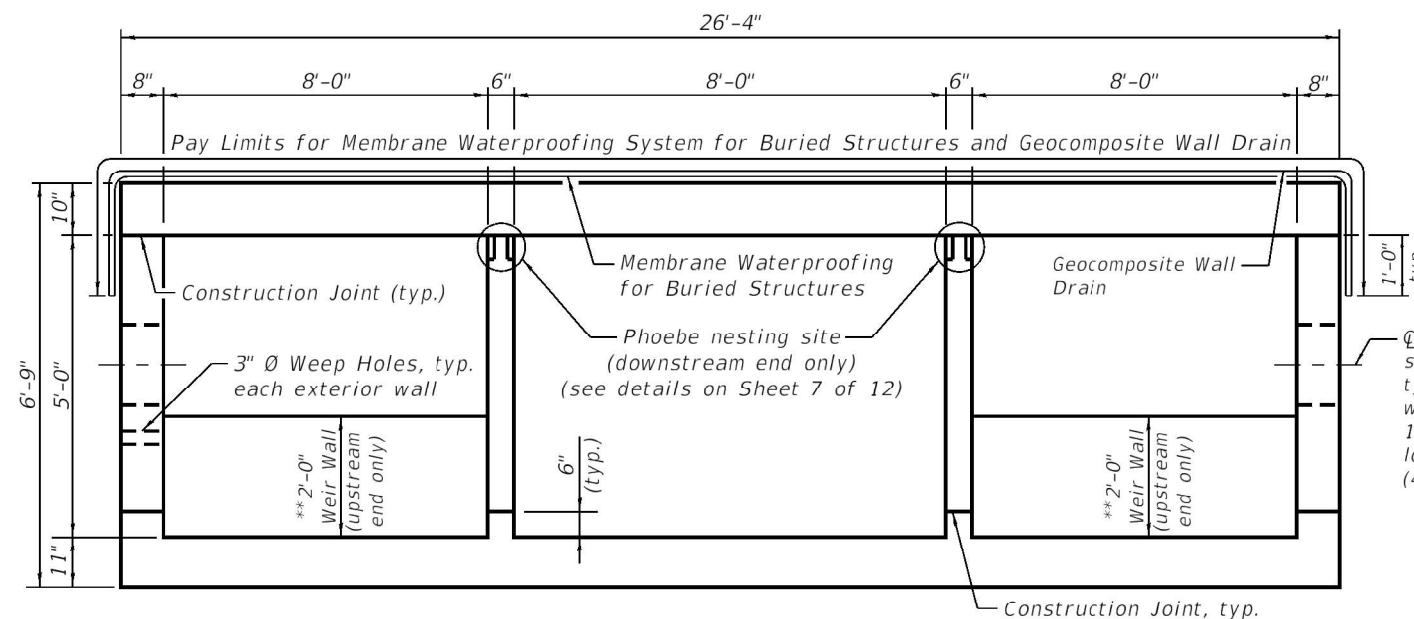
| ITEM | UNIT | TOTAL |
|---|---------|--------|
| Stone Riprap, Class A4 | Sq. Yd. | 426 |
| Filter Fabric | Sq. Yd. | 194 |
| Removal of Existing Structures No. 1 | Each | 1 |
| Structure Excavation | Cu. Yd. | 1,291 |
| Reinforcement Bars | Pound | 48,940 |
| Bar Splicers | Each | 136 |
| Name Plates | Each | 1 |
| Temporary Soil Retention System | Sq. Ft. | 312 |
| Concrete Box Culverts | Cu. Yd. | 211.0 |
| Geocomposite Wall Drain | Sq. Yd. | 284 |
| Membrane Waterproofing System for Buried Structures | Sq. Yd. | 284 |



STAGE I TEMPORARY SOIL RETENTION SYSTEM

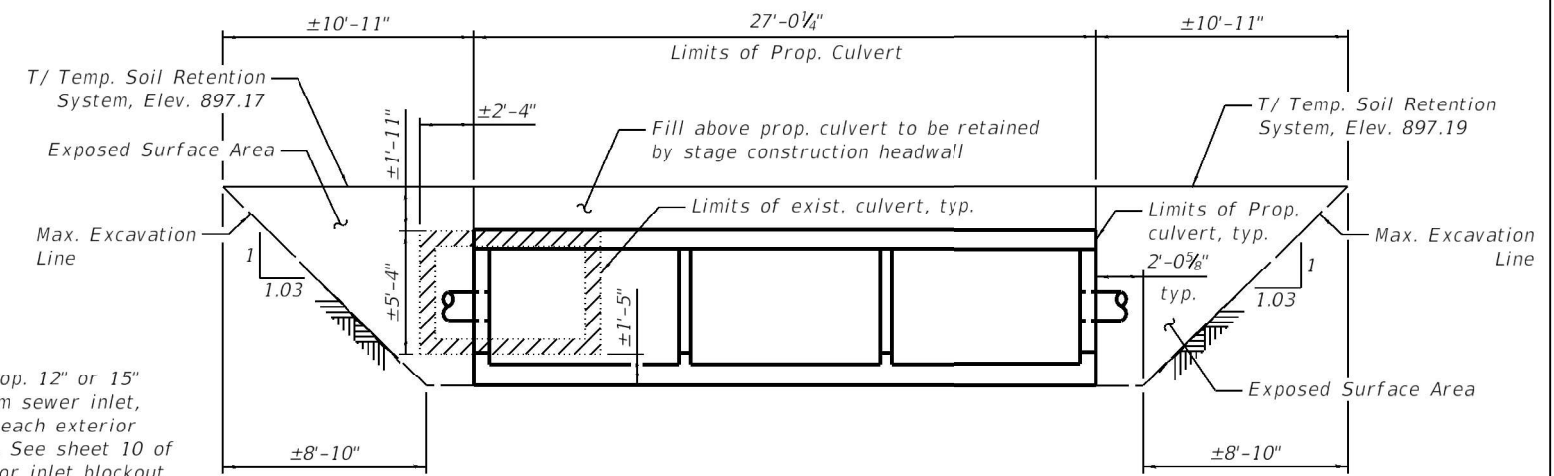
(Horizontal dimensions taken parallel to CL Route 72) (Looking North)

** See sheet 9 of 12 for Weir Wall details.



TYPICAL SECTION THRU BOX CULVERT

Note: Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.



STAGE II TEMPORARY SOIL RETENTION SYSTEM

(Horizontal dimensions taken parallel to CL Route 72) (Looking North)

Notes:

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer. For stage construction details, see sheet 3 of 12.

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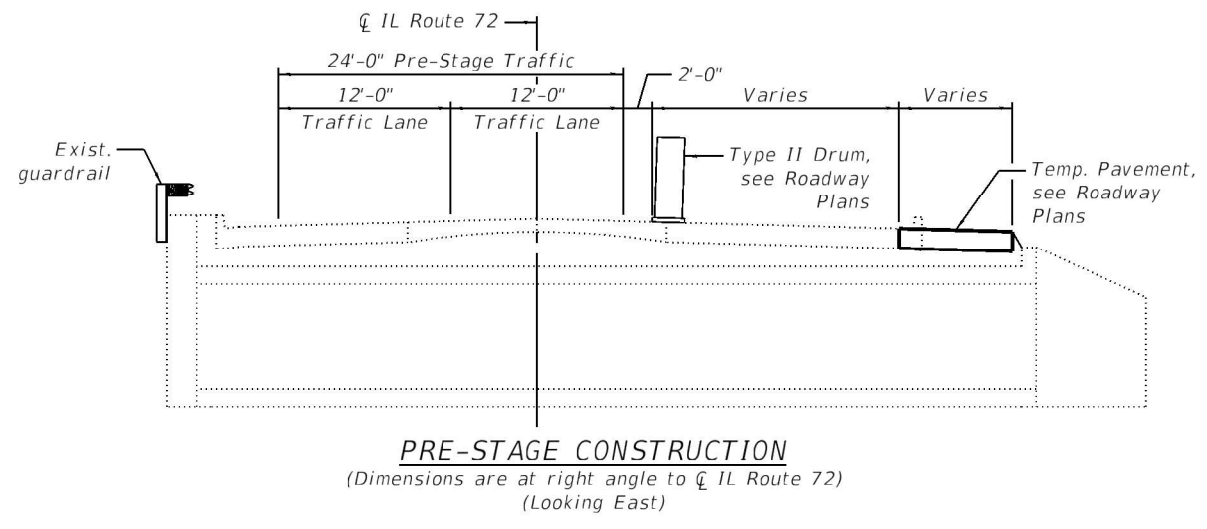
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

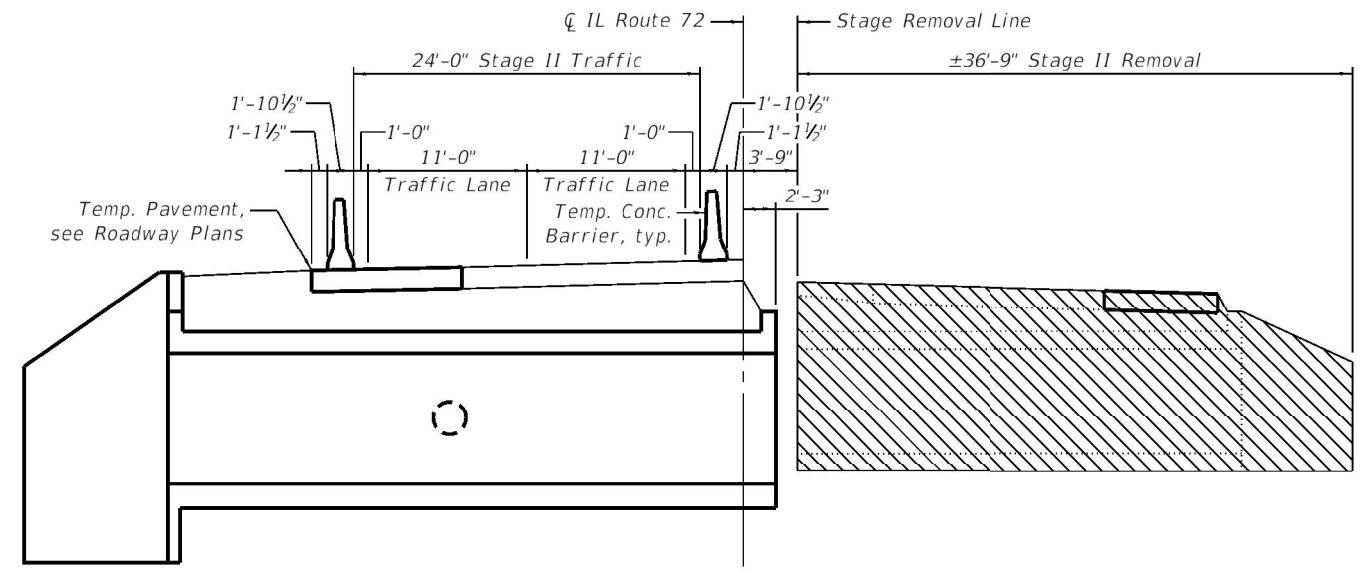
**GENERAL NOTES AND TOTAL BILL OF MATERIAL
STRUCTURE NO. 045-2107**

SHEET 2 OF 12 SHEETS

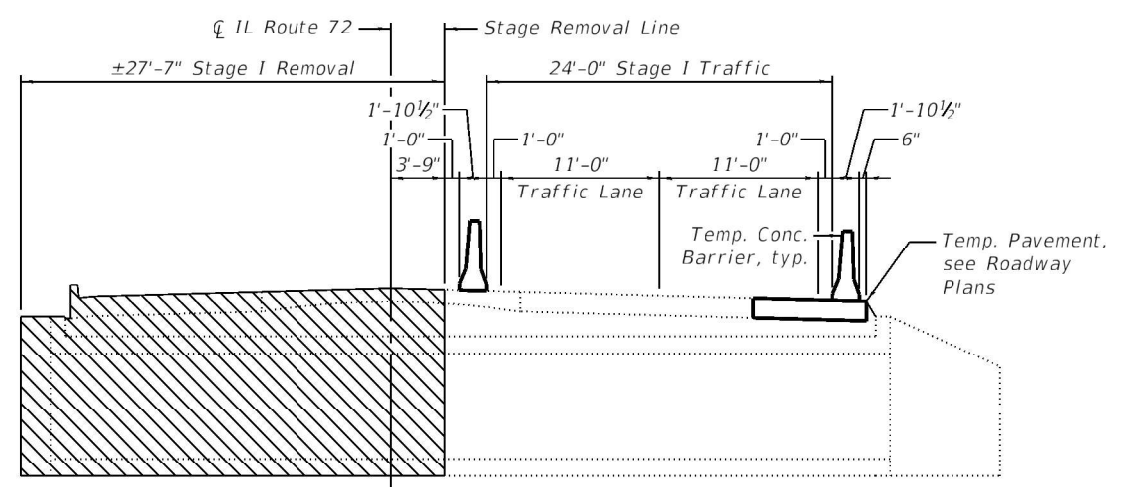
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| ILLINOIS FED AID PROJECT | | | | |



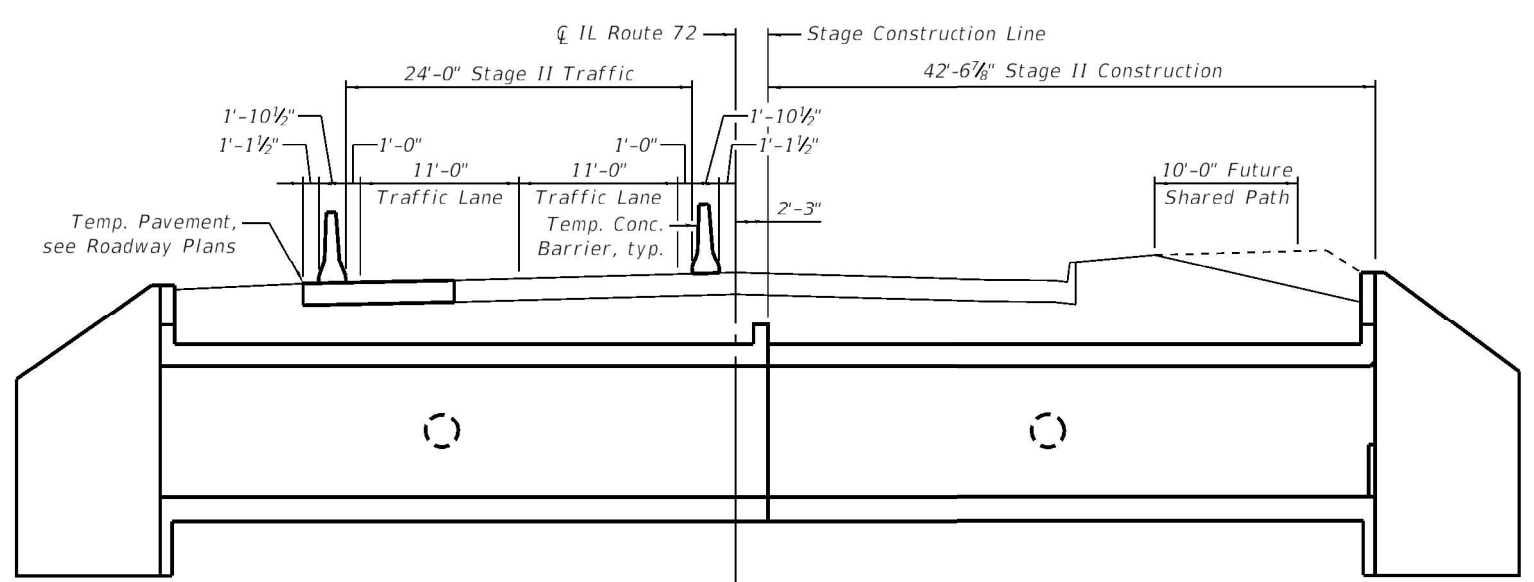
PRE-STAGE CONSTRUCTION
 (Dimensions are at right angle to \bar{C} IL Route 72)
 (Looking East)



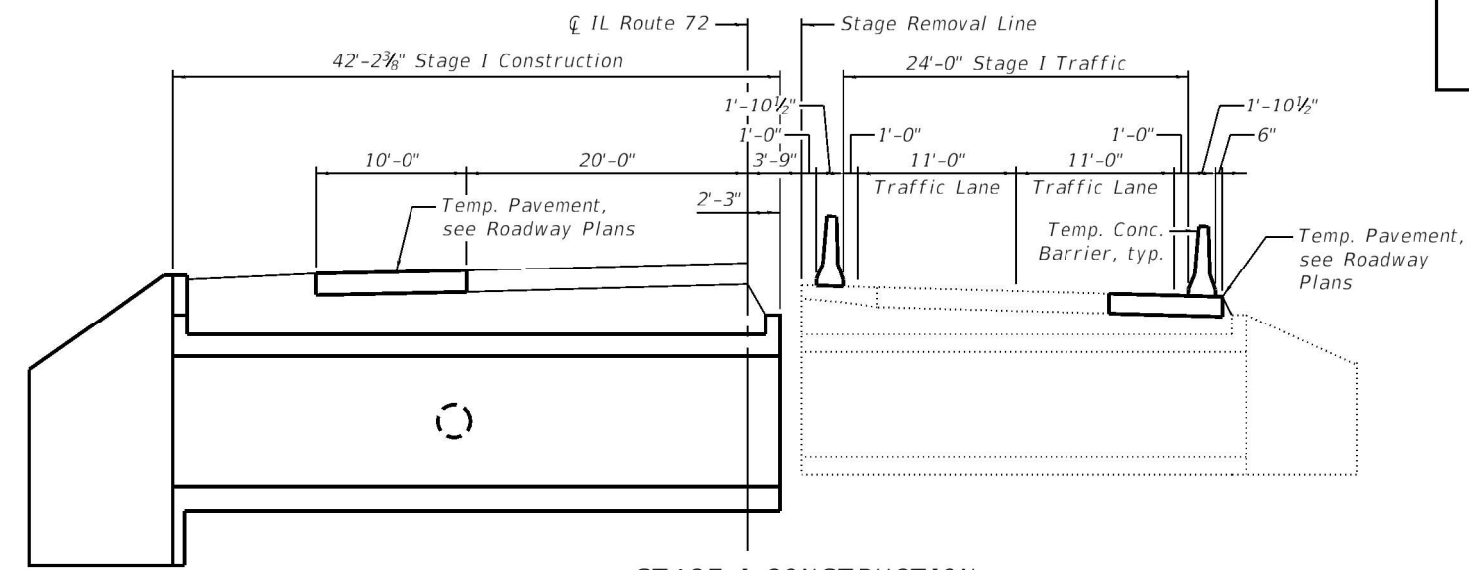
STAGE II REMOVAL
 (Dimensions are at right angle to \bar{C} IL Route 72)
 (Looking East)



STAGE I REMOVAL
 (Dimensions are at right angle to \bar{C} IL Route 72)
 (Looking East)



STAGE II CONSTRUCTION
 (Dimensions are at right angle to \bar{C} IL Route 72)
 (Looking East)



STAGE I CONSTRUCTION
 (Dimensions are at right angle to \bar{C} IL Route 72)
 (Looking East)

LEGEND

Indicates Removal of Existing Structure

Notes:

During Stage I removal operations, the Contractor shall take precautions to ensure that the means and methods used for removal do not compromise the structural adequacy of the existing structure. Any damage that occurs during Stage I removal operations which compromises the structural adequacy of the existing structure shall be repaired by the Contractor to the satisfaction of the Engineer at the Contractor's expense. For details of Temporary Concrete Barrier, see sheet 4 of 12.

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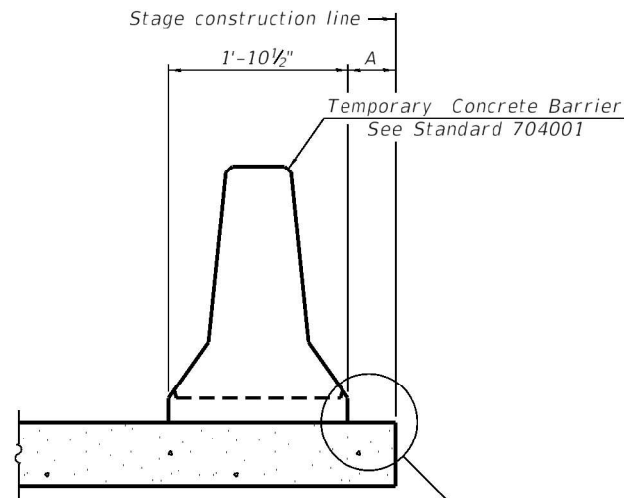
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION AND STRUCTURE REMOVAL DETAILS
 STRUCTURE NO. 045-2107**

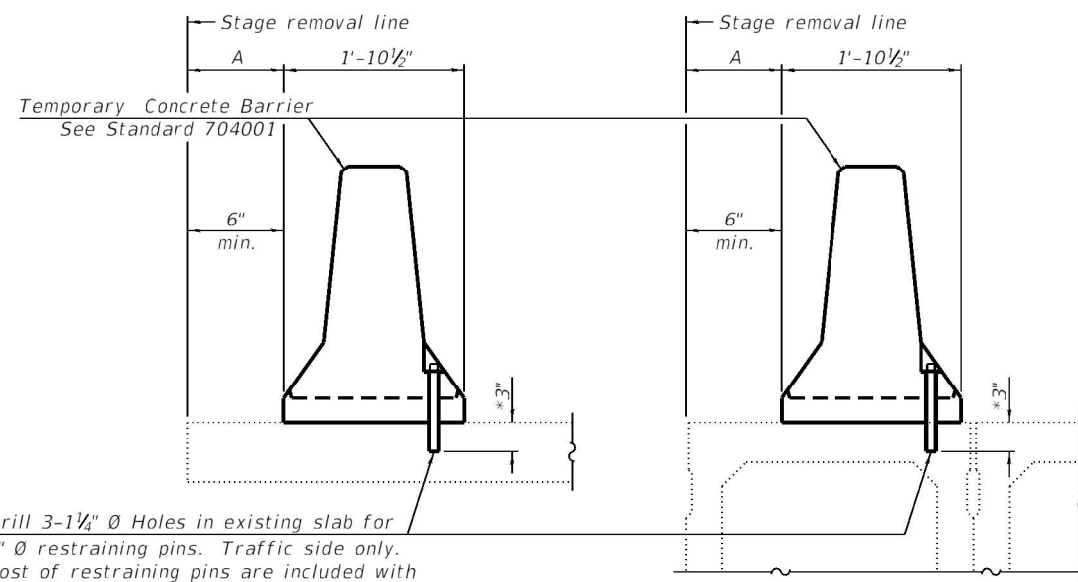
SHEET 3 OF 12 SHEETS

| | | | | |
|------------------------|----------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 185 |
| STRUCTURE NO. 045-2107 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT | | |



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

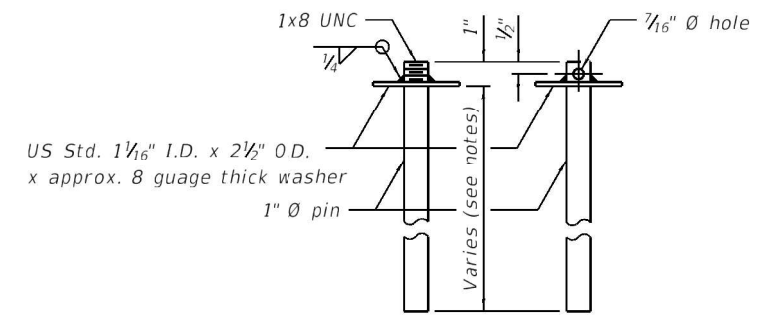
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

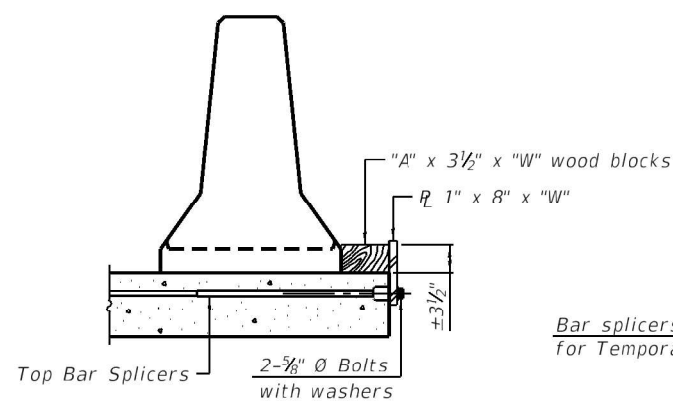
EXISTING DECK BEAM



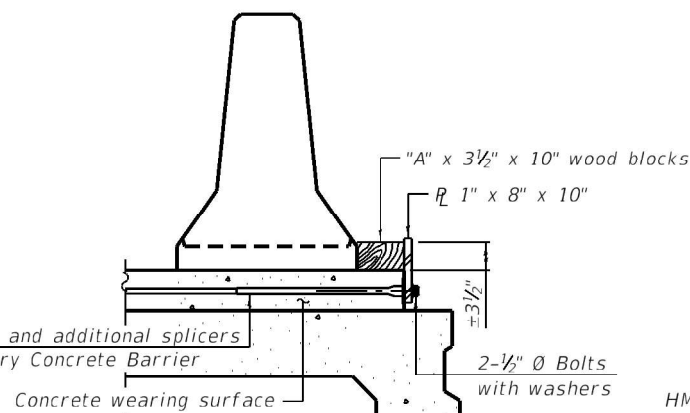
RESTRAINING PIN

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

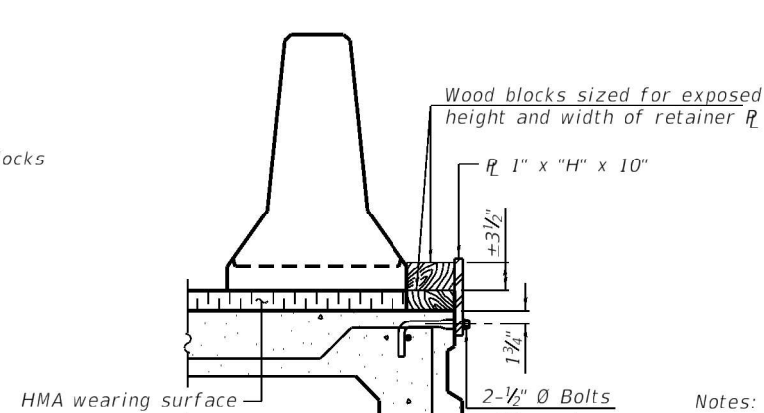
SECTIONS THRU SLAB OR DECK BEAM



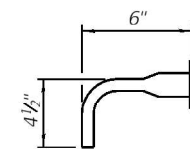
DETAIL I



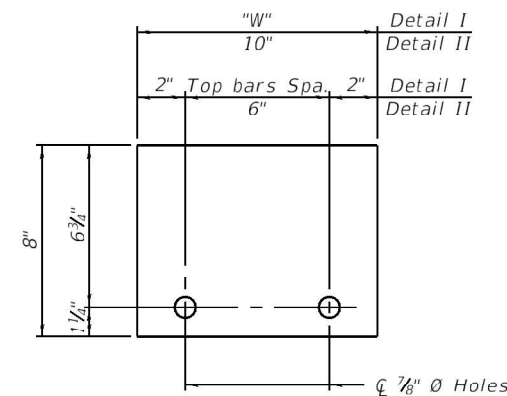
DETAIL II



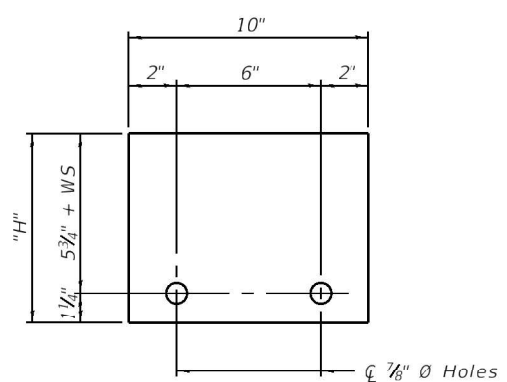
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W" (Detail I and II)



STEEL RETAINER R 1" x "H" x 10" (Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate center of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

MODEL: Default
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R-27

2-17-2017



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| Illinois Design Firm Number 184.001670 | CHECKED - REB | REVISED - |
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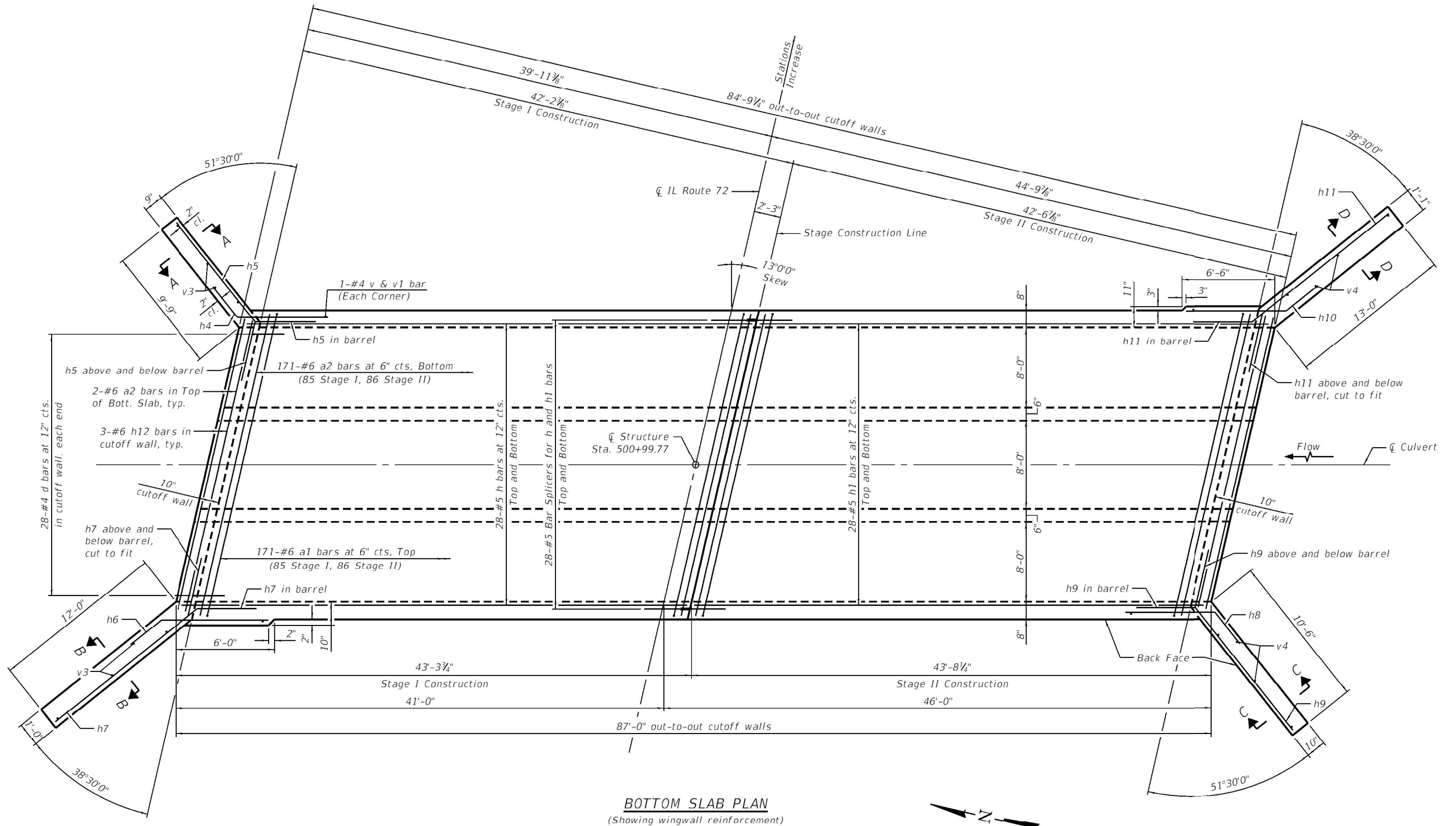
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 045-2107

SHEET 4 OF 12 SHEETS

| | | | | |
|---------------------------|------------------|--------------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 186 |
| STRUCTURE NO. 045-2107 | | CONTRACT NO. 62G11 | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Default
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BOTTOM SLAB PLAN
 (Showing wingwall reinforcement)

Notes:
 A distance of half the length of the wingwall but not less than 6'-6" of the barrel shall be poured monolithically with the wingwalls.
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.
 For Sections A-A, B-B, C-C, and D-D, Bar Bending details, and Bill of Materials, see Sheet 9 of 12.
 For Bar Splicer details, see Sheet 11 of 12.



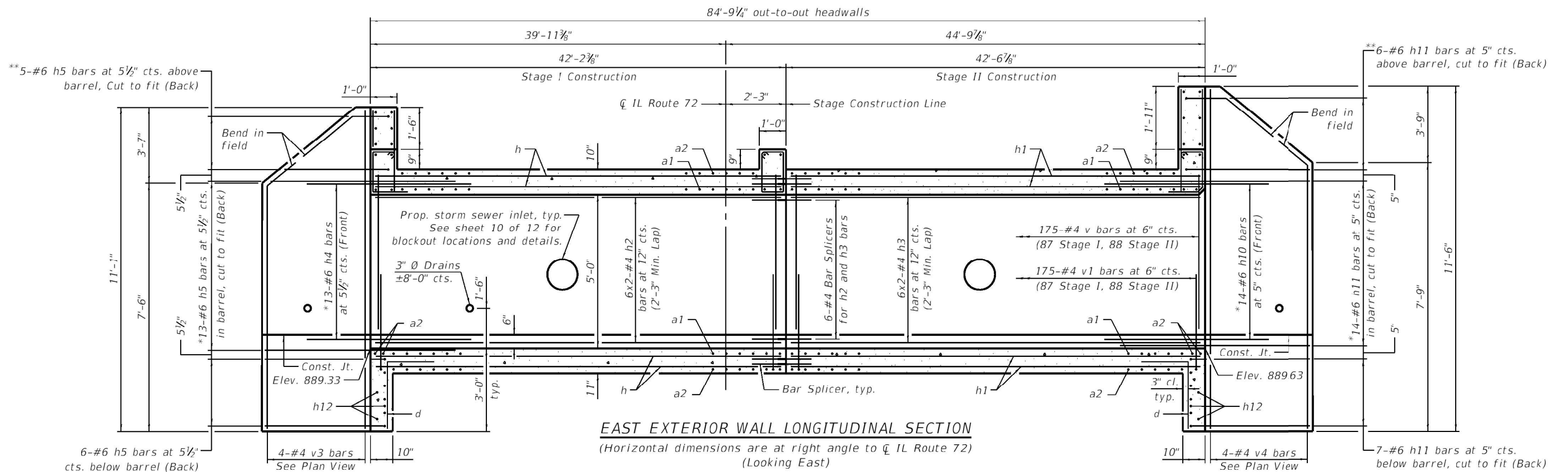
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

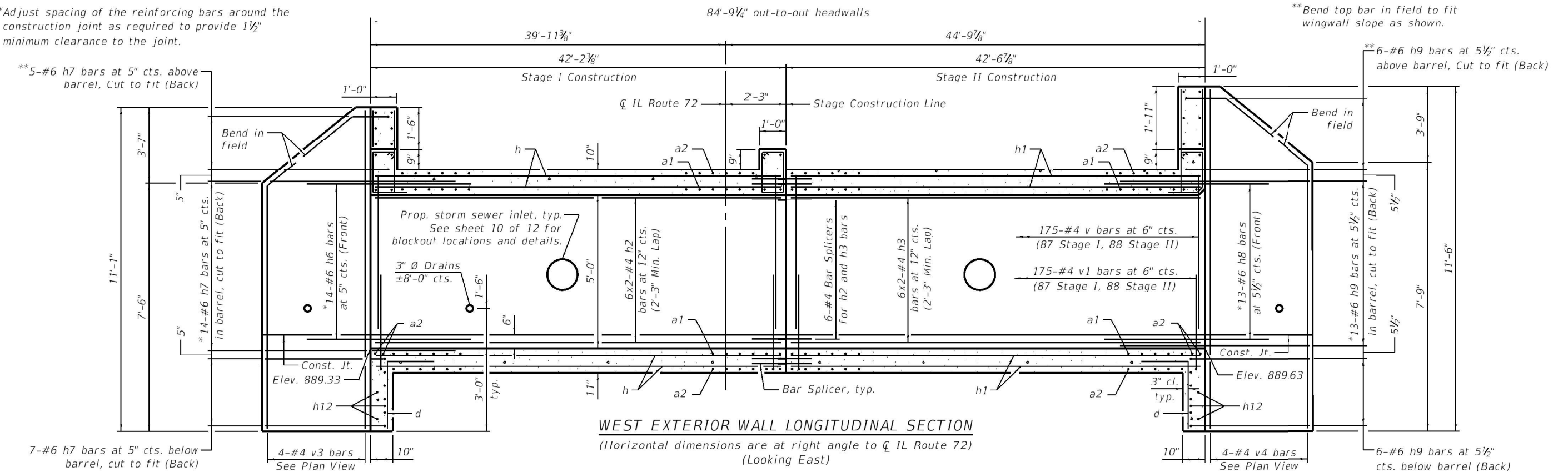
BOTTOM SLAB LAYOUT
STRUCTURE NO. 045-2107

SHEET 5 OF 12 SHEETS

| | | | | |
|---------------------------|------------------|-------------|--------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 187 |
| STRUCTURE NO. 045-2107 | | | CONTRACT NO. 62G11 | |
| ILLINOIS FED. AID PROJECT | | | | |



*Adjust spacing of the reinforcing bars around the construction joint as required to provide 1 1/2" minimum clearance to the joint.



Notes:
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar.
 No reduction in quantities shall be made for this substitution.
 For Bar Bending details and Bill of Materials, see Sheet 9 of 12.
 For Section Thru Headwall and Headwall Extension, see Sheet 9 of 12.
 For Bar Splicer details, see sheet 11 of 12.

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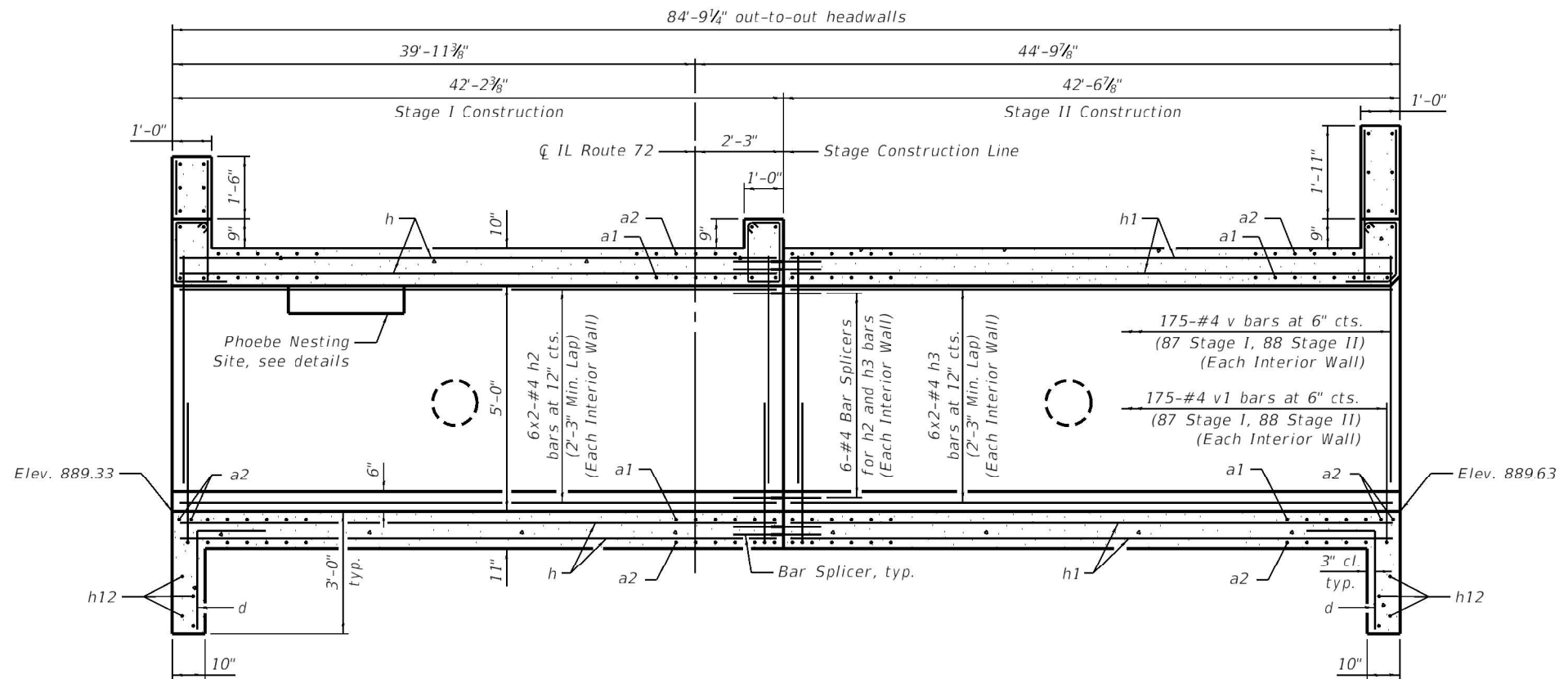
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EXTERIOR WALL LAYOUT
 STRUCTURE NO. 045-2107

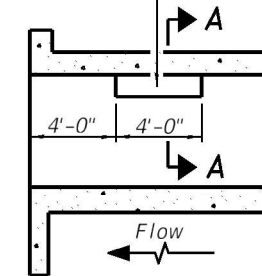
SHEET 6 OF 12 SHEETS

| | | | | |
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| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 188 |
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| ILLINOIS | | FED. AID PROJECT | | |

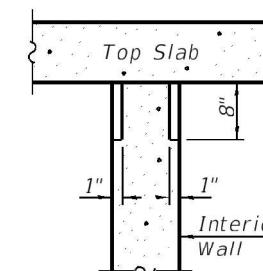


INTERIOR WALL LONGITUDINAL SECTION
 (Horizontal dimensions are at right angle to \bar{C} IL Route 72)
 (Looking East)

Notch formed by rough finished board attached to and removed with form work, each interior wall. (Do not chamfer).



LONGITUDINAL SECTION



SECTION A-A

PHOEBE NESTING SITE DETAILS
 (Downstream End Only)

Notes:
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar.
 No reduction in quantities shall be made for this substitution.
 For Bar Bending details and Bill of Materials, see Sheet 9 of 12
 For Section Thru Headwall and Headwall Extension, see Sheet 9 of 12
 For Bar Splicer details, see Sheet 11 of 12

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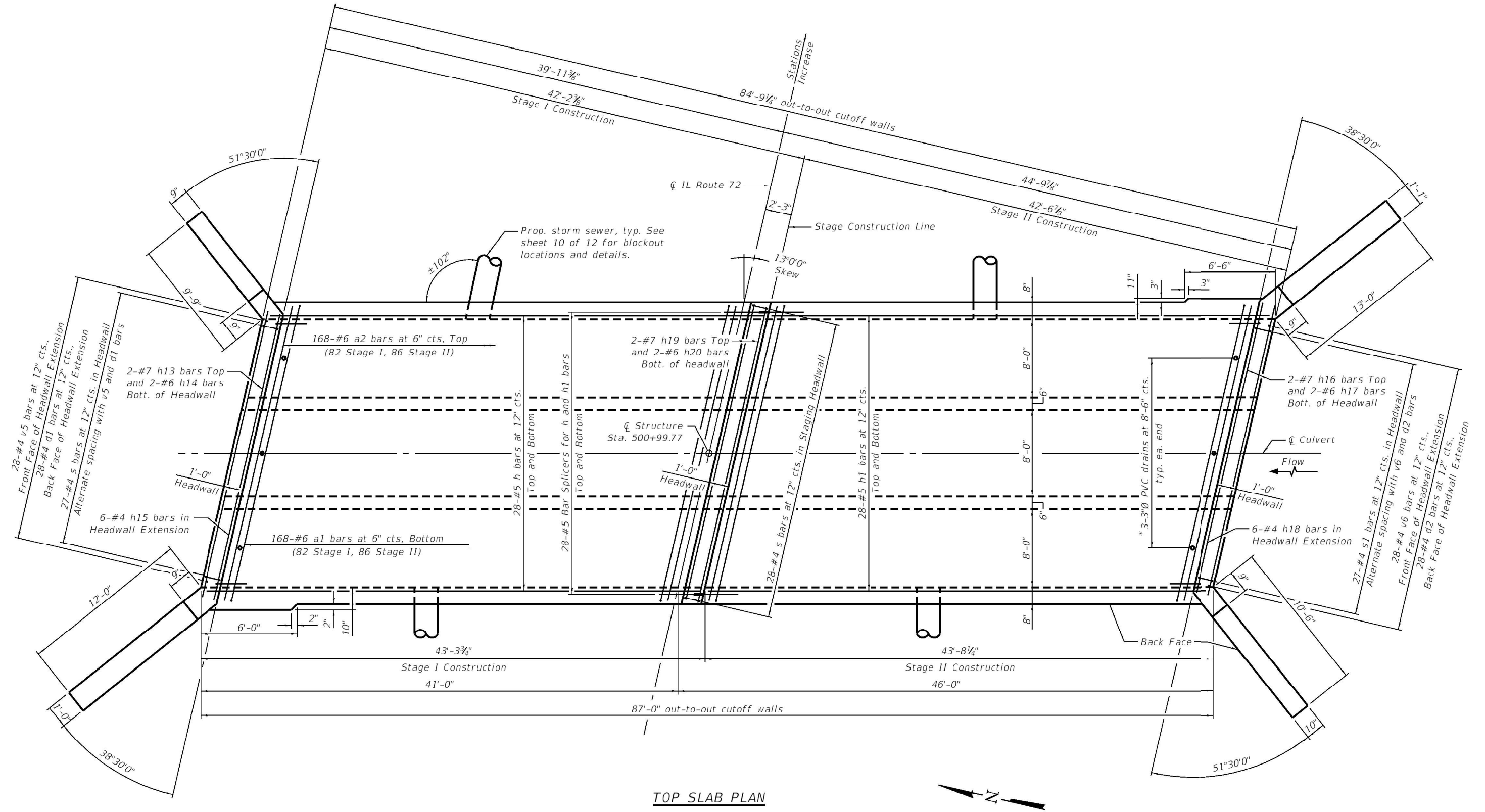
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INTERIOR WALL LAYOUT
 STRUCTURE NO. 045-2107

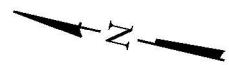
SHEET 7 OF 12 SHEETS

| | | | | |
|------------------------|------------------|--------------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 189 |
| STRUCTURE NO. 045-2107 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT | | |

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TOP SLAB PLAN



Notes:
 A distance of half the length of the wingwall but not less than 6'-6" of the barrel shall be poured monolithically with the wingwalls.
 For Wingwall reinforcement layout, see Bottom Slab Plan on Sheet 5 of 12.
 For Bar Bending details and Bill of Materials, see Sheet 9 of 12.
 For Section Thru Headwall and Headwall Extension, see Sheet 9 of 12.
 For Bar Splicer details, see Sheet 11 of 12.

*See Drain Detail on sheet 2 of 12.



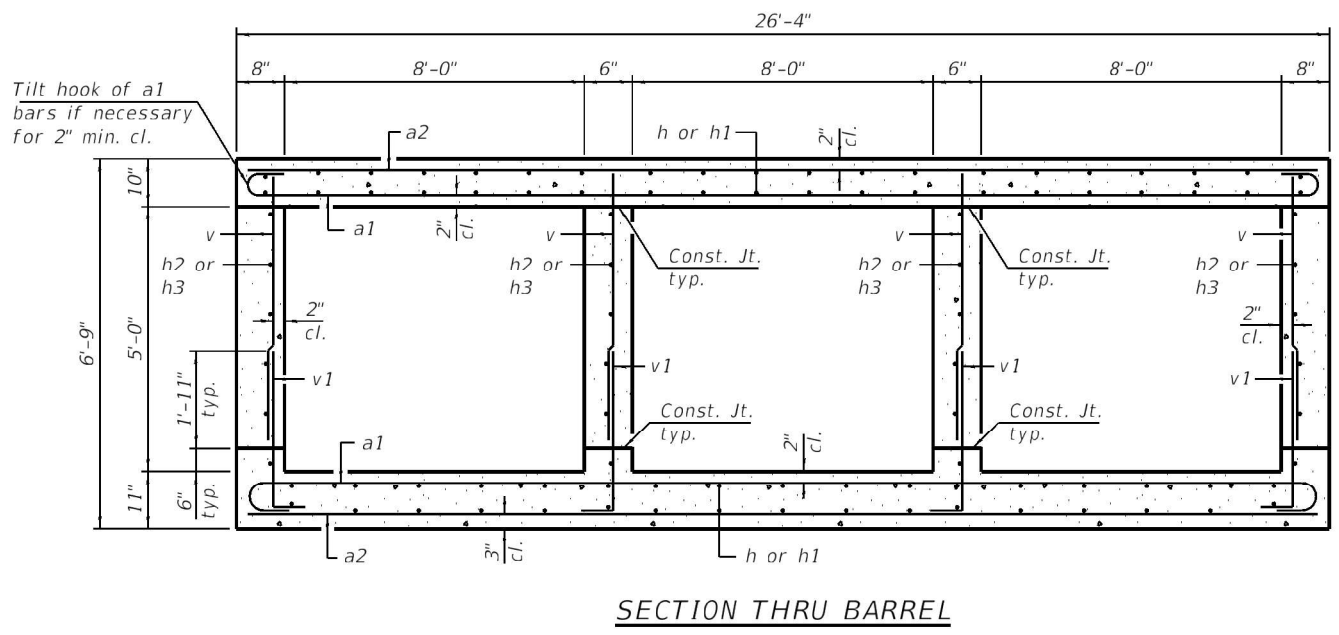
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

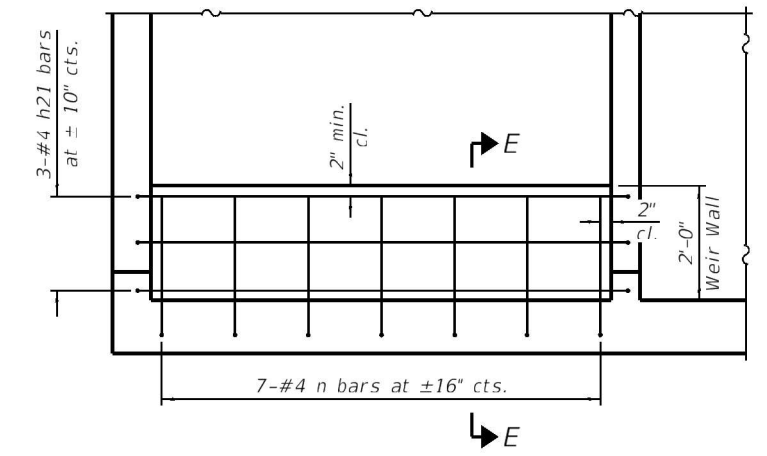
TOP SLAB LAYOUT
 STRUCTURE NO. 045-2107
 SHEET 8 OF 12 SHEETS

| | | | | |
|------------------------|------------------|--------------------|------------------|---------------|
| F.A.P. RTE. 557 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 190 |
| STRUCTURE NO. 045-2107 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT | | |

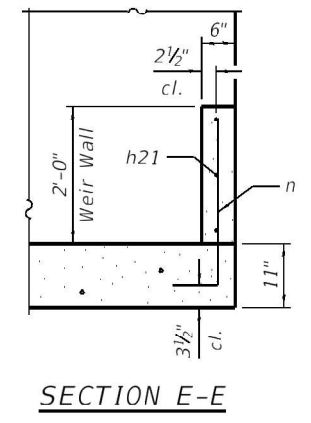
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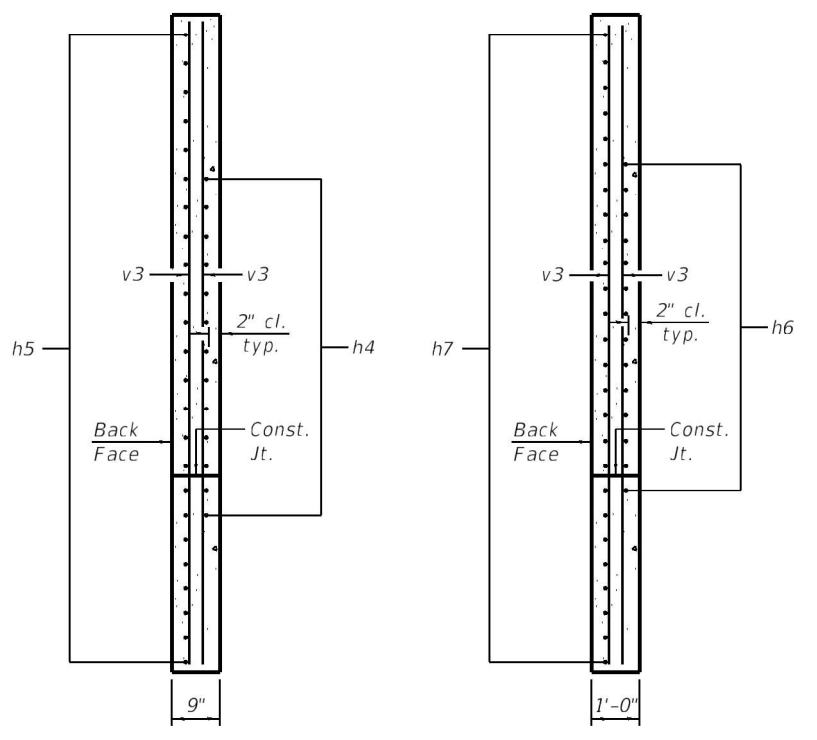
SECTION THRU BARREL



TYPICAL WEIR WALL REINFORCEMENT DETAIL

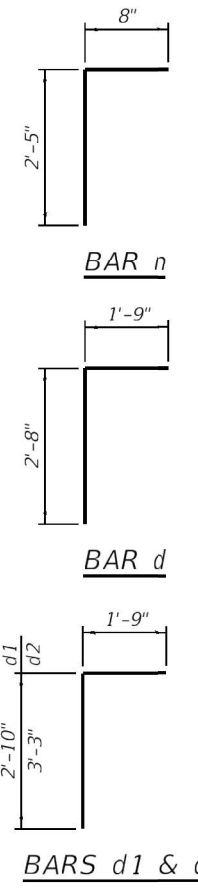


SECTION E-E



SECTION A-A

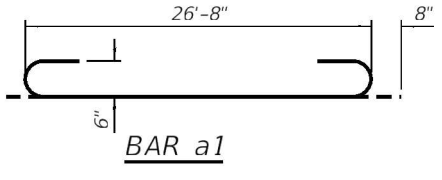
SECTION B-B



BAR n

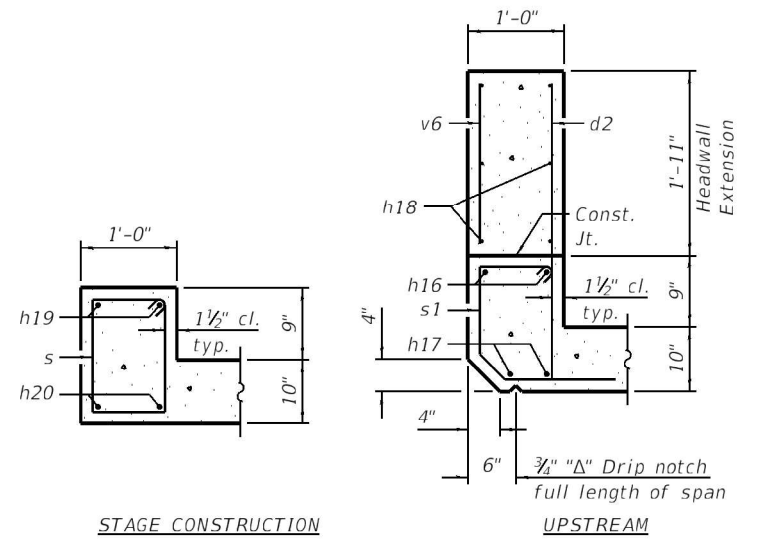
BAR d

BARs d1 & d2

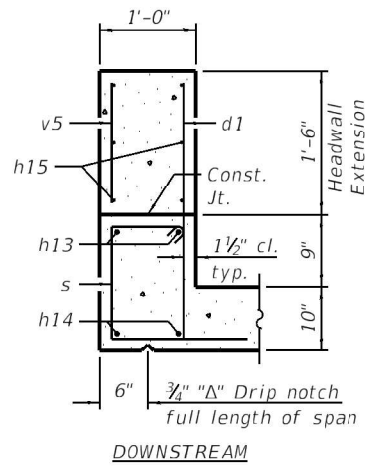


BAR a1

BAR v1



STAGE CONSTRUCTION

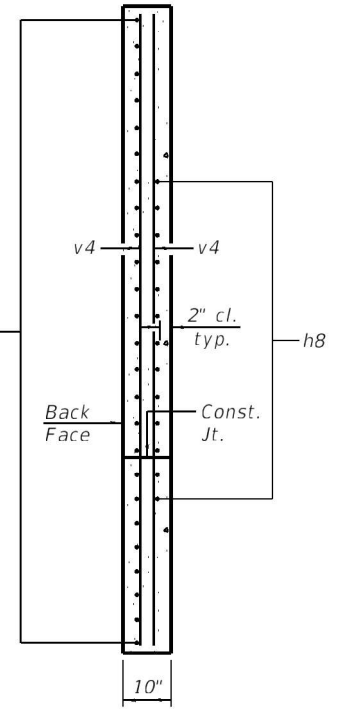


UPSTREAM

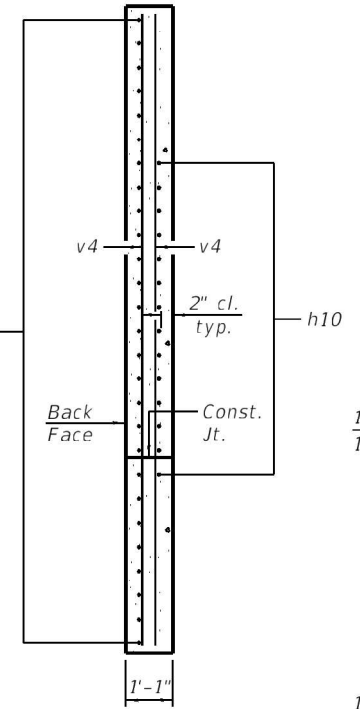
DOWNSTREAM

SECTION THRU HEADWALLS AND HEADWALL EXTENSIONS

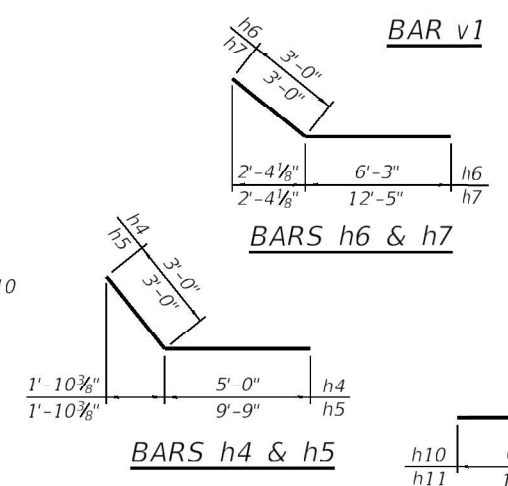
(Horizontal dimensions are at right angle to CL Route 72)



SECTION C-C



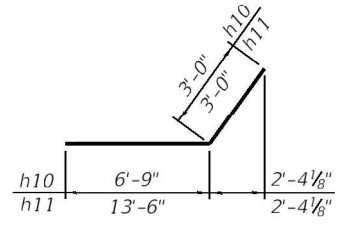
SECTION D-D



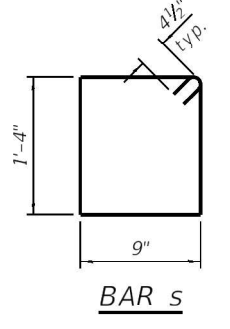
BARs h6 & h7

BARs h4 & h5

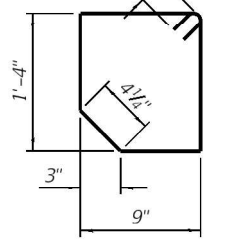
BARs h8 & h9



BARs h10 & h11



BAR s



BAR s1

BILL OF MATERIAL

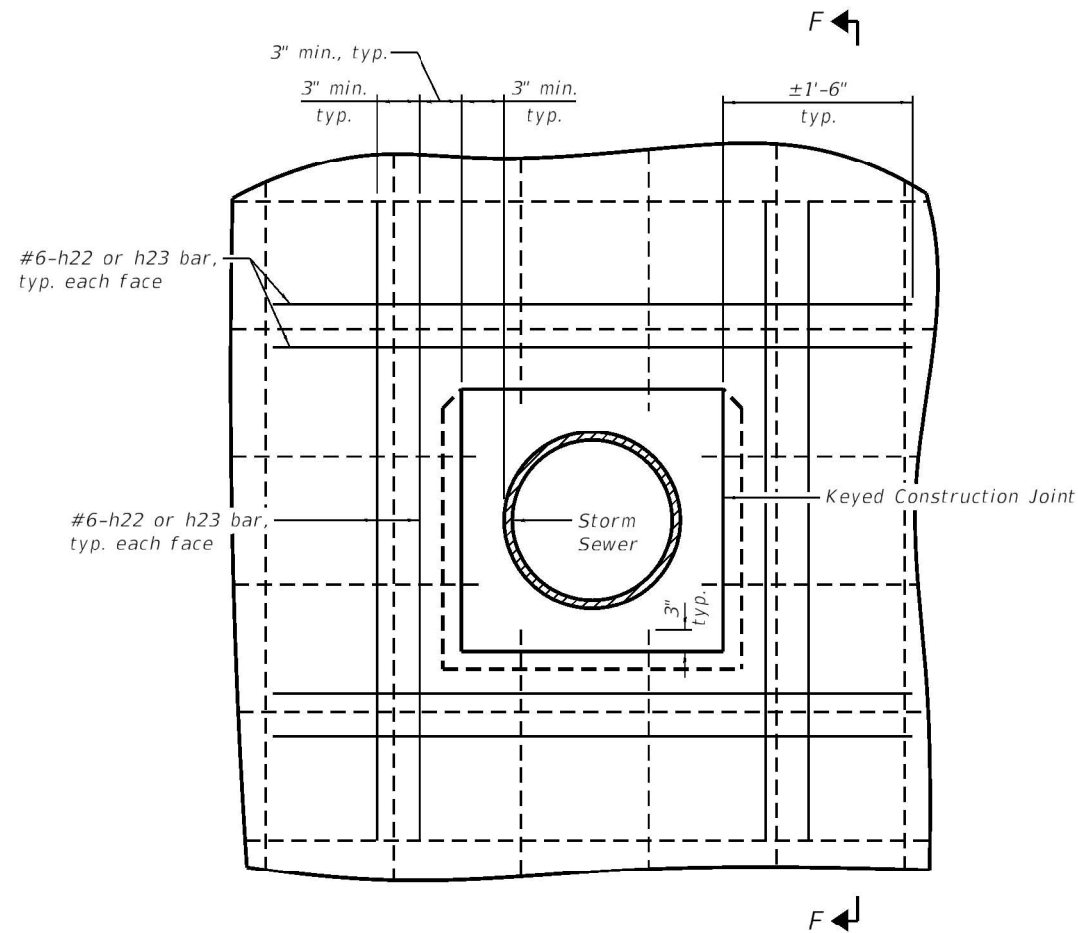
| Bar | No. | Size | Length | Shape |
|-----------------------|-----|------|---------|--------|
| a1 | 339 | #6 | 28'-0" | U |
| a2 | 343 | #6 | 26'-8" | U |
| d | 56 | #4 | 4'-5" | L |
| d1 | 28 | #4 | 4'-7" | L |
| d2 | 28 | #4 | 5'-0" | L |
| h | 112 | #5 | 42'-11" | U |
| h1 | 112 | #5 | 43'-4" | U |
| h2 | 48 | #4 | 22'-8" | U |
| h3 | 48 | #4 | 22'-10" | U |
| h4 | 13 | #6 | 8'-0" | U |
| h5 | 24 | #6 | 12'-9" | U |
| h6 | 14 | #6 | 9'-3" | U |
| h7 | 26 | #6 | 15'-5" | U |
| h8 | 13 | #6 | 8'-0" | U |
| h9 | 25 | #6 | 13'-5" | U |
| h10 | 14 | #6 | 9'-9" | U |
| h11 | 27 | #6 | 16'-6" | U |
| h12 | 6 | #6 | 26'-6" | U |
| h13 | 2 | #7 | 26'-1" | U |
| h14 | 2 | #6 | 26'-1" | U |
| h15 | 6 | #4 | 26'-1" | U |
| h16 | 2 | #7 | 26'-5" | U |
| h17 | 2 | #6 | 26'-5" | U |
| h18 | 6 | #4 | 26'-5" | U |
| h19 | 2 | #7 | 26'-8" | U |
| h20 | 2 | #6 | 26'-8" | U |
| h21 | 6 | #4 | 10'-2" | U |
| h22 | 32 | #6 | 4'-10" | U |
| h23 | 32 | #6 | 5'-2" | U |
| n | 14 | #4 | 3'-1" | L |
| s | 55 | #4 | 4'-11" | U |
| s1 | 27 | #4 | 4'-10" | U |
| v | 704 | #4 | 5'-0" | U |
| v1 | 704 | #4 | 3'-9" | U |
| v3 | 8 | #4 | 10'-8" | U |
| v4 | 8 | #4 | 11'-1" | U |
| v5 | 28 | #4 | 1'-3" | U |
| v6 | 28 | #4 | 1'-8" | U |
| Concrete Box Culverts | | | Cu. Yd. | 211.0 |
| Reinforcement Bars | | | Pound | 48,940 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTIONS AND DETAILS
STRUCTURE NO. 045-2107

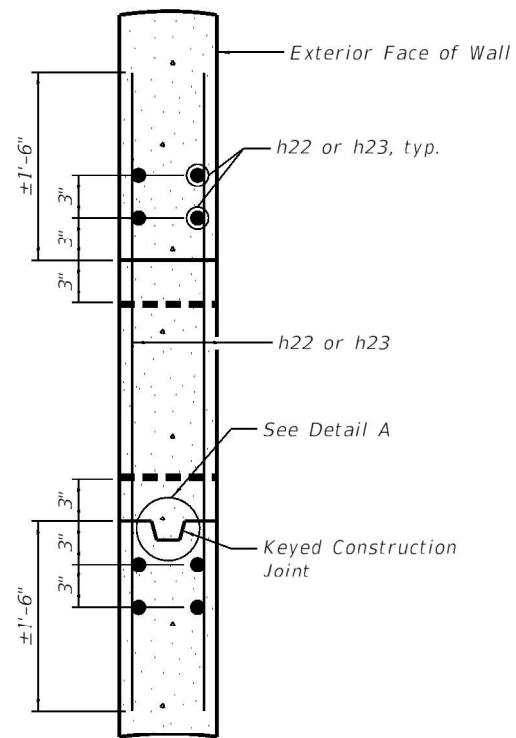
SHEET 9 OF 12 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 557 | 32R-DR-1 | KANE | 236 | 191 |
| STRUCTURE NO. 045-2107 | | | CONTRACT NO. 62G11 | |
| ILLINOIS FED. AID PROJECT | | | | |

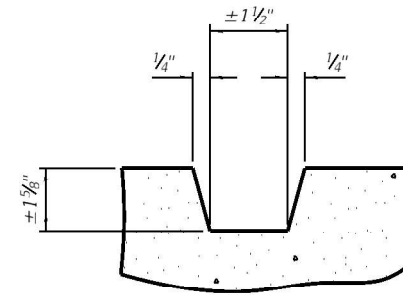


**PIPE INLET BLOCKOUT DETAIL -
PARTIAL ELEVATION OF EXTERIOR WALL**

Note: Extend plan reinforcing bars into pipe block-out as shown.



SECTION F-F



**DETAIL A
(Keyed Construction Joint)**

PIPE INLET BLOCKOUT LOCATIONS

| LOCATION | Station | Offset | Invert | Pipe I.D. | #6 Bar |
|--------------------|-----------|-----------|--------|-----------|--------|
| West Exterior Wall | 500+81.42 | 20.68 Lt. | 891.38 | 12" | h22 |
| West Exterior Wall | 500+91.68 | 24.14 Rt. | 891.65 | 15" | h23 |
| East Exterior Wall | 501+08.67 | 21.08 Lt. | 891.38 | 15" | h23 |
| East Exterior Wall | 501+18.22 | 21.05 Rt. | 891.38 | 12" | h22 |

Note: Pipe inlet blockout locations are included for information only. See the Roadway Plans for location, size, and type of pipe.

Notes:

- Dashed bars represent plan reinforcement.
- Solid bars indicate additional #6 h22 or h23 bars.
- Bar clear from the face of concrete shall be 2" minimum.
- See Roadway Plans for drainage details.
- Place 5/16" joint filler around reinforced concrete pipe at pipe inlet.
- Cut or adjust h22 and h23 bars as required to avoid conflict with the top and bottom slab construction joints.
- See sheet 9 of 12 for Bill of Materials.

MODEL: Default
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| USER NAME = CAUSTIFF | DESIGNED - CPA | REVISED - |
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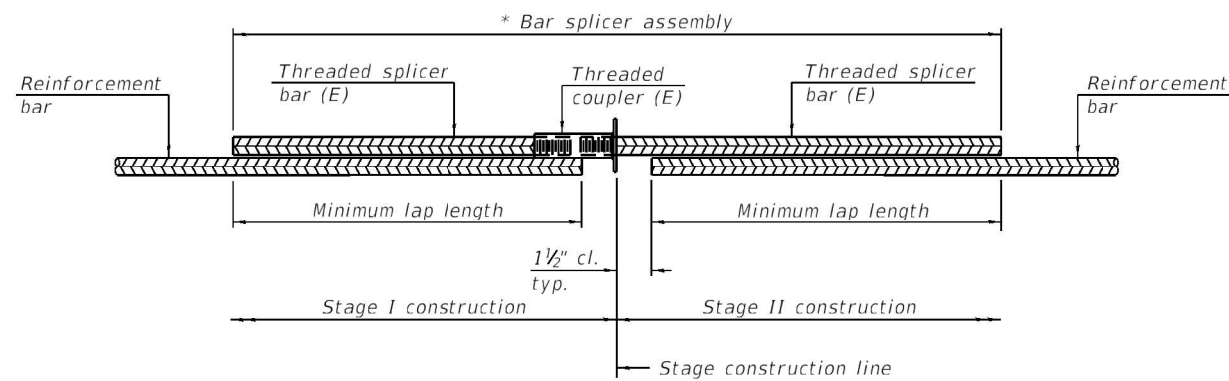
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIPE INLET BLOCKOUT DETAILS
STRUCTURE NO. 045-2107**

SHEET 10 OF 12 SHEETS

| | | | | |
|------------------------|----------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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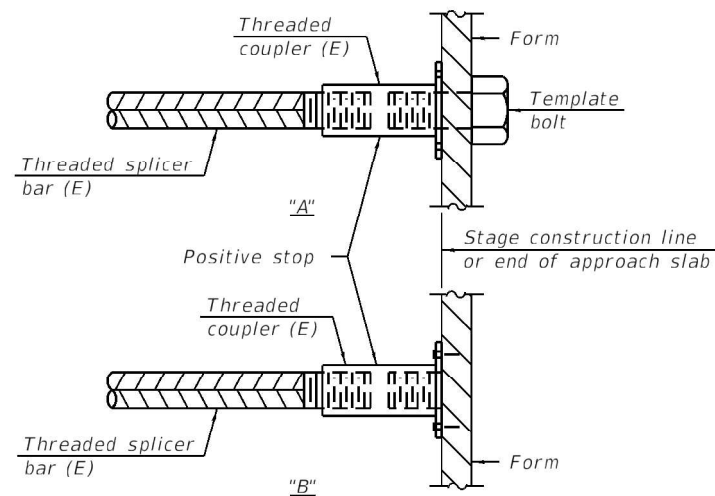


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Minimum lap length |
|----------------|----------|-------------------------|--------------------|
| Bottom Slab | #5 | 56 | 2'-2" |
| Top Slab | #5 | 56 | 2'-2" |
| Exterior Walls | #4 | 12 | 2'-3" |
| Interior Walls | #4 | 12 | 2'-3" |

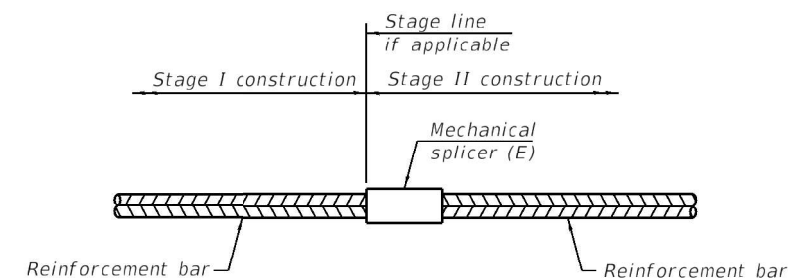


INSTALLATION AND SETTING METHODS

"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.



STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|----------|----------|-------------------------|
| | | |
| | | |
| | | |
| | | |

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: Default
 FILE NAME: K:\Projects\18-0009-0\HY IL-72 & State Street\Bridges\SN_045-2107 - IL-72 over Hampshire Creek Tributary\CADD\CADD Sheets\0452107-62G11-011-Bar Splicer.dgn
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BSD-1

1-1-2020



| | | |
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| USER NAME = CAUSTIFF | DESIGNED - CPA | REVISED - |
| Illinois Design Firm Number 184.001670 | CHECKED - REB | REVISED - |
| PLOT SCALE = | DRAWN - CPA | REVISED - |
| PLOT DATE = 4/15/2021 2:16:46 PM | CHECKED - REB | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 045-2107

SHEET 11 OF 12 SHEETS

| | | | | |
|------------------------|----------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 193 |
| STRUCTURE NO. 045-2107 | | CONTRACT NO. 62G11 | | |

ILLINOIS FED. AID PROJECT



Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Date 3/24/20

ROUTE IL Route 72 DESCRIPTION IL Route 72 at State Street LOGGED BY PS

SECTION 32R-DR-1 LOCATION Hampshire, IL, SEC., TWP., RNG.
Latitude 42.088365, Longitude -88.5298707

COUNTY Kane DRILLING METHOD HSA HAMMER TYPE AUTO

| STRUCT. NO. | Station | DEPTH (ft) | BLOWS (/6") | UCS (tsf) | M O I S T (%) | Surface Water Elev. | Stream Bed Elev. | DEPTH (ft) | BLOWS (/6") | UCS (tsf) | M O I S T (%) |
|------------------------------|------------|------------|-------------|-----------|---------------|------------------------------|------------------|------------|-------------|-----------|---------------|
| Culvert @ IL-72 | 500+99.77 | | | | | N/A | N/A | | | | |
| BORING NO. | OSB-1/CB-3 | | | | | Groundwater Elev.: | | | | | |
| Station | 500+64 | | | | | First Encounter | 888.3 | | | | |
| Offset | 17.31ft LT | | | | | Upon Completion | N/A | | | | |
| Ground Surface Elev. | 896.82 | | | | | After | N/A | | | | |
| 7 inches of Asphalt | | | | | | Stiff to Very Stiff | | | | | |
| 7 inches of Concrete | | | | | | Brown, Moist | | | | | |
| | 895.66 | 3 | | | | SILTY CLAY, with sand, trace | | 3 | | | |
| Brown, Moist | | | | | | gravel (CL/ML) (continued) | | 7 | 1.3 | 23 | |
| FILL: SILTY CLAY, with sand | | 4 | 1.9 | 17 | | | | 8 | B | | |
| | | 5 | B | | | | | | | | |
| | 893.32 | | | | | Very Stiff | 873.32 | | | | |
| Loose to Medium Dense | | 3 | | | | Brown, Moist | | 8 | | | |
| Brown, Moist | | | | | | SILTY CLAY, with sand, trace | | 7 | 3.1 | 20 | |
| SAND, trace gravel (SP) | | 3 | | 13 | | gravel (CL/ML) | 871.82 | 15 | B | | |
| | | -5 | | | | End of Boring | | | | | |
| | | 6 | | | | | | | | | |
| Cobbles at 6-7.5 feet | | 6 | | | | | | | | | |
| | | 6 | | | | | | | | | |
| | | 6 | | | | | | | | | |
| | 888.32 | | | | | Stiff to Very Stiff | | | | | |
| Stiff to Very Stiff | | 7 | | | | Brown, Moist | | | | | |
| Brown, Moist | | | | | | SILTY CLAY, with sand, trace | | | | | |
| SILTY CLAY, with sand, trace | | 11 | 1.0 | 12 | | gravel (CL/ML) | | | | | |
| gravel (CL/ML) | | -10 | | | | | | | | | |
| | | 6 | | | | | | | | | |
| | | 6 | 1.8 | 12 | | | | | | | |
| | | 7 | P | | | | | | | | |
| | | 7 | | | | | | | | | |
| | | 9 | 2.3 | 12 | | | | | | | |
| | | -15 | | | | | | | | | |
| | | 8 | | | | | | | | | |
| Cobbles at 10-17.5 feet | | 8 | | | | | | | | | |
| | | 8 | | | | | | | | | |
| | | 8 | | | | | | | | | |
| | | 4 | | | | | | | | | |
| | | 8 | 1.9 | 10 | | | | | | | |
| | | -20 | | | | | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Date 3/24/20

ROUTE IL Route 72 DESCRIPTION IL Route 72 at State Street LOGGED BY PS

SECTION 32R-DR-1 LOCATION Hampshire, IL, SEC., TWP., RNG.
Latitude 42.0882548, Longitude -88.5295625

COUNTY Kane DRILLING METHOD HSA HAMMER TYPE AUTO

| STRUCT. NO. | Station | DEPTH (ft) | BLOWS (/6") | UCS (tsf) | M O I S T (%) | Surface Water Elev. | Stream Bed Elev. | DEPTH (ft) | BLOWS (/6") | UCS (tsf) | M O I S T (%) |
|--------------------------------|------------|------------|-------------|-----------|---------------|----------------------------|------------------|------------|-------------|-----------|---------------|
| Culvert @ IL-72 | 500+99.77 | | | | | N/A | N/A | | | | |
| BORING NO. | CB-4 | | | | | Groundwater Elev.: | | | | | |
| Station | 501+47 | | | | | First Encounter | 883.4 | | | | |
| Offset | 23.09ft RT | | | | | Upon Completion | N/A | | | | |
| Ground Surface Elev. | 896.94 | | | | | After | N/A | | | | |
| 3 inches of Asphalt | | | | | | Stiff | | | | | |
| Brown and Black, Moist | | | | | | Gray, Moist | | | | | |
| FILL: SILTY CLAY, trace gravel | | 2 | | | | SILTY CLAY, trace gravel | | 6 | | | |
| | | 2 | 0.6 | 13 | | (CL/ML) (continued) | | 10 | 1.8 | 12 | |
| | | 1 | B | | | Cobbles at 21-22.5 feet | | 13 | P | | |
| | 893.44 | | | | | | | | | | |
| Stiff | | 2 | | | | Medium Dense | 873.44 | | | | |
| Brown and Gray, Moist | | | | | | Brown, Wet | | 9 | | | |
| SILTY CLAY, with sand, trace | | 2 | 1.0 | 19 | | SAND, trace gravel (SP) | | 13 | | | |
| gravel (CL/ML) | | -5 | | | | End of Boring | | 12 | | | |
| | | 3 | | | | | | | | | |
| Loose | | 3 | | | | | | | | | |
| Brown, Moist | | | | | | | | | | | |
| SANDY LOAM, trace gravel (SM) | | 2 | | | | | | | | | |
| | | | | | | | | | | | |
| | 888.44 | | | | | Medium Stiff | | | | | |
| Medium Stiff | | 2 | | | | Brown and Gray, Moist | | | | | |
| Brown and Gray, Moist | | | | | | SILTY CLAY, trace sand and | | | | | |
| gravel (CL/ML) | | 2 | 0.8 | 17 | | gravel (CL/ML) | | | | | |
| | | -10 | | | | | | | | | |
| | | 1 | | | | | | | | | |
| | | 2 | 0.8 | 17 | | | | | | | |
| | | 2 | B | | | | | | | | |
| | 883.44 | | | | | | | | | | |
| Loose | | 2 | | | | | | | | | |
| Brown, Wet | | | | | | | | | | | |
| SAND, trace gravel (SP) | | 2 | | 32 | | | | | | | |
| | | -15 | | | | | | | | | |
| | | 5 | | | | | | | | | |
| | 880.44 | | | | | Stiff | | | | | |
| Stiff | | 7 | 1.3 | 12 | | Gray, Moist | | | | | |
| Gray, Moist | | | | | | SILTY CLAY, trace gravel | | | | | |
| SILTY CLAY, trace gravel | | 8 | B | | | (CL/ML) | | | | | |
| (CL/ML) | | | | | | | | | | | |
| | | 6 | | | | | | | | | |
| Cobbles at 18.5-20 feet | | | | | | | | | | | |
| | | 13 | 2.0 | 12 | | | | | | | |
| | | -20 | | | | | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

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| USER NAME = CAUSTIFF | DESIGNED - CPA | REVISED - |
| Illinois Design Firm Number 184,001670 | CHECKED - REB | REVISED - |
| PLOT SCALE = | DRAWN - CPA | REVISED - |
| PLOT DATE = 4/15/2021 2:17:20 PM | CHECKED - REB | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
STRUCTURE NO. 045-2107

| | | | | |
|------------------------|----------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 557 | 32R-DR-1 | KANE | 236 | 194 |
| STRUCTURE NO. 045-2107 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT | | |

Bench Mark: B.M. #1 NGS Disc in Northwest Corner of IL 72 and State Street. Elev. 896.86
 N: 1,974,916.2286 E: 930,813.1875

Existing Structure: The structure carrying F.A.P. Route 98 / County Highway 36 (State Street) over Hampshire Creek Tributary C is a cast-in-place reinforced concrete single box culvert with cast-in-place reinforced concrete wingwalls. The original construction plans were unable to be located. The approximate dimensions are the following: Culvert Length is 39'-6" from outside of headwall to outside of headwall. The measured opening is 6'-0" high and 4'-0" wide. The east and west wingwalls are parallel to the headwall and vary in length from 4'-10" to 8'-0". Existing structure to be removed and replaced.

Traffic control: Road to be closed. Traffic detoured.

No salvage.

Note: Precast option is not allowed.

*Varies, ±9'-6" min. to ±12'-0" max.

**Varies, ±2'-6" min. to ±2'-11" max.

***Dimensions taken at right angle to edge of pavement.

STATION 201+93.80
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RT. 98 SEC. 32R-DR-1
 LOADING HL-93
 STR. NO. 045-6032

NAME PLATE
 See Std. 515001

WATERWAY INFORMATION

| Drainage Area = 1.6 Square Miles | | Low Grade Elev. 896.29 @ Sta. 203+15 | | | | | | | |
|----------------------------------|-----------|--------------------------------------|-----------------|-------|-------------|------------|-------|---------------|--------|
| Flood | Freq. Yr. | Q C.F.S. | Opening Sq. Ft. | | Nat. H.W.E. | Head - Ft. | | Headwater El. | |
| | | | Exist. | Prop. | | Exist. | Prop. | Exist. | Prop. |
| Design | 10 | 240 | 25.5 | 78.4 | 894.19 | 3.01 | 0.00 | 897.20 | 894.19 |
| Base | 50 | 442 | 28.0 | 88.0 | 895.07 | 2.63 | 0.12 | 897.70 | 895.19 |
| Overtopping | 100 | 529 | 28.0 | 88.0 | 895.36 | 2.46 | 0.51 | 897.82 | 895.87 |
| Max. Calc. | 225 | 612 | 28.0 | 88.0 | 895.63 | 2.36 | 0.94 | 897.99 | 896.57 |
| | 500 | 732 | 28.0 | 88.0 | 895.99 | 2.23 | 1.32 | 898.22 | 897.31 |

2-Year Flow Rate = 140 ft³/s

INDEX OF SHEETS

| Sheet No. | Description |
|-----------|--|
| 1 | General Plan and Elevation |
| 2 | General Notes and Total Bill of Material |
| 3 | Bottom Slab Layout |
| 4 | Exterior Wall Layout |
| 5 | Interior Wall Layout |
| 6 | Top Slab Layout |
| 7 | Sections and Details |
| 8 | Pipe Inlet Blockout Details |
| 9 | Soil Borings |

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

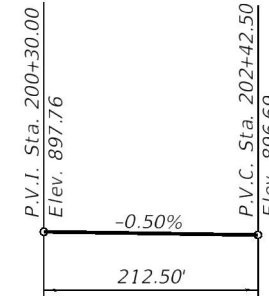
LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

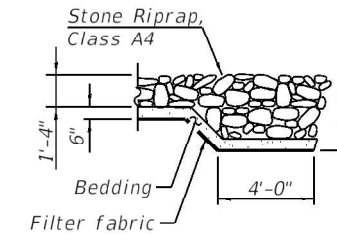
FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

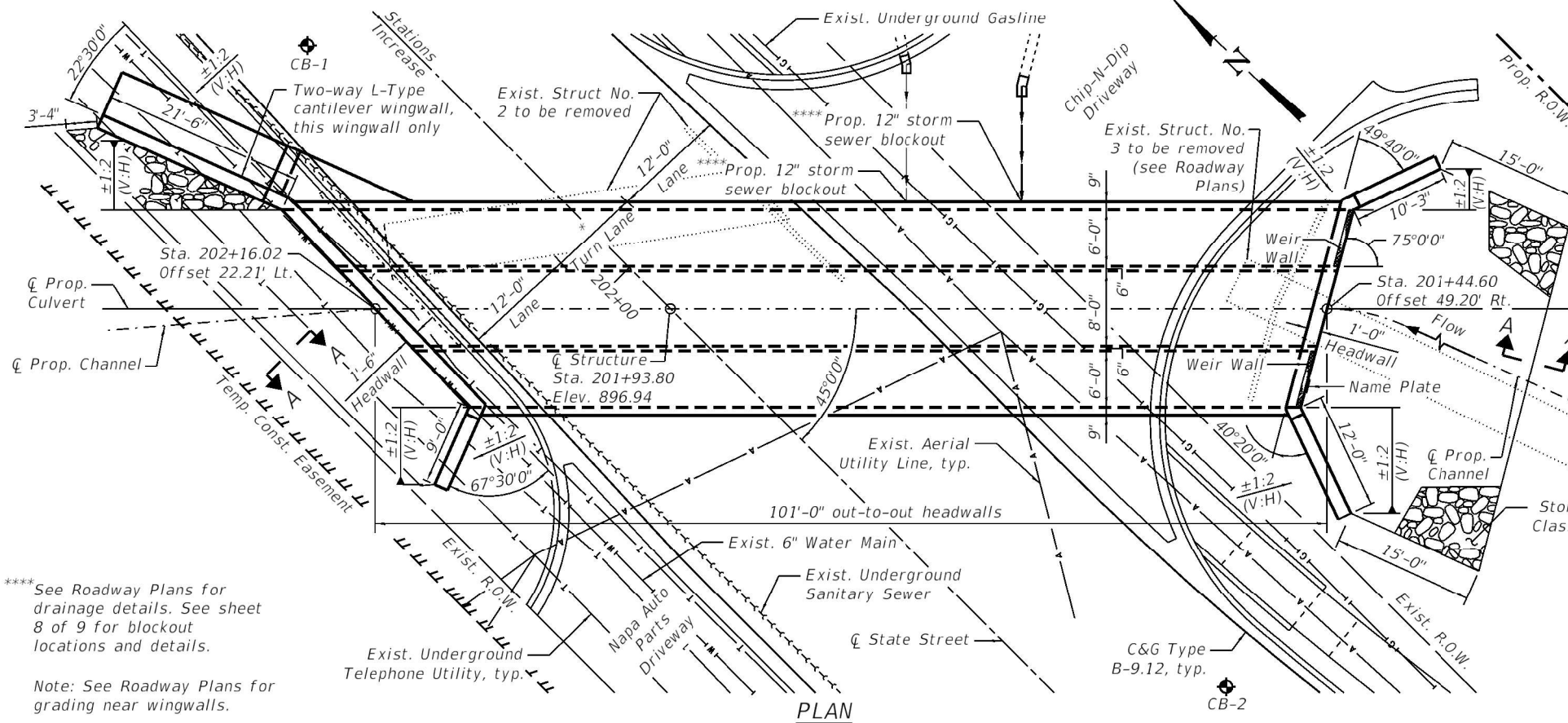
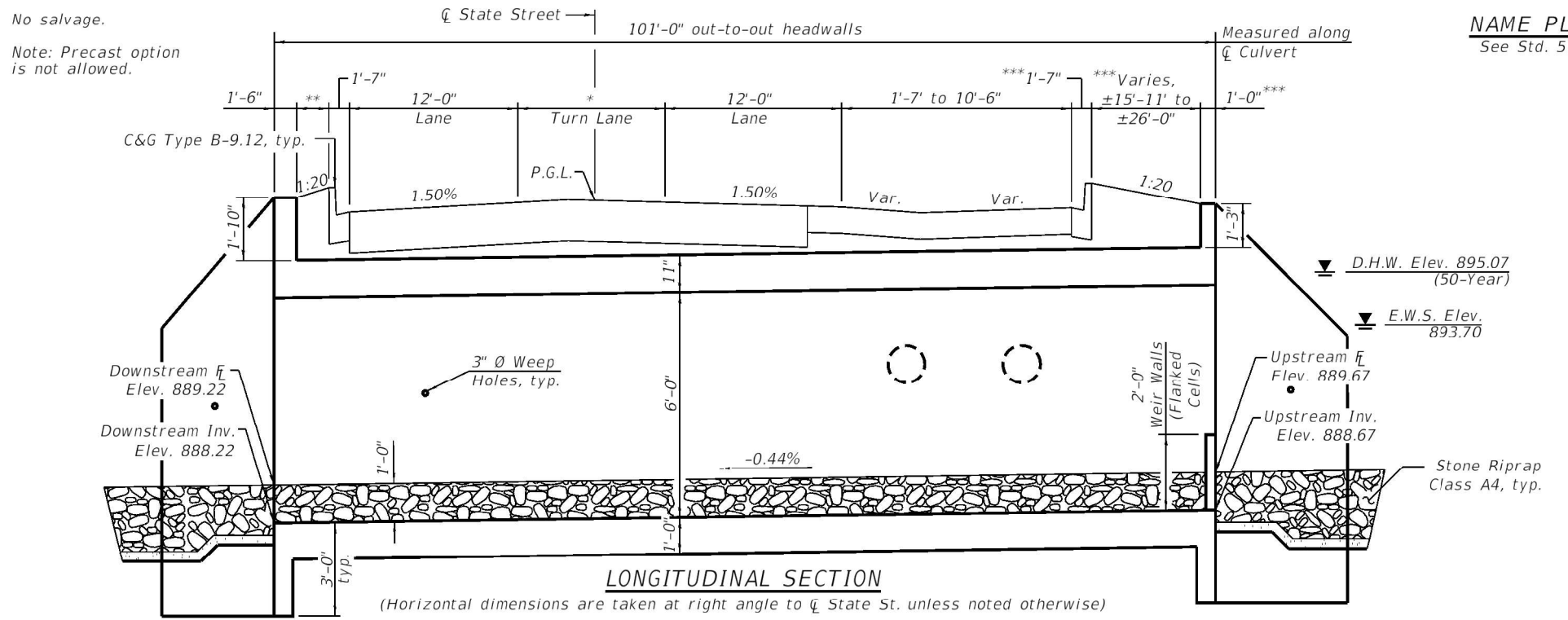


PROFILE GRADE

(Along State Street)



SECTION A-A

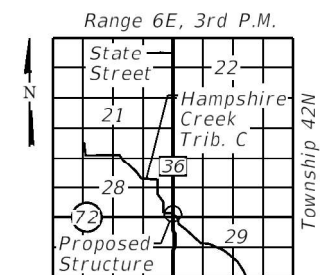


**** See Roadway Plans for drainage details. See sheet 8 of 9 for blockout locations and details.
 Note: See Roadway Plans for grading near wingwalls.

APPROVED
 For Structural Adequacy Only
De Cal Kuyper
 Engineer of Bridges & Structures

RONALD E. BREVILLE
 081-005711
 LICENSED STRUCTURAL ENGINEER
 ST. LOUIS MO
 STATE OF ILLINOIS

Paul [Signature]
 29 JUN 2021
 EXP: 30 NOV 2022



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
STATE STREET OVER
HAMPSHIRE CREEK TRIBUTARY C
 F.A.P. RTE. 0098 - SECTION 32R-DR-1
 KANE COUNTY
 STATION 201+93.80
 STRUCTURE NO. 045-6032

| | | | | | | | | | | |
|--|--|----------------|-----------|---|---|---------------------|------------------|---------------------------|------------------------|---------------|
| 1328 SFA Bradley B. Smith Drive Troy, IL 62294 PHONE: 618.667.1400 | USER NAME = CAUSTIFF | DESIGNED - SJS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BOX CULVERT STRUCTURE NO. 045-6032 | F.A.P. RTE. 98 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 195 |
| | ILLINOIS DESIGN FIRM NUMBER 184,001670 | CHECKED - REB | REVISED - | | | PLOT SCALE = | DRAWN - WJS | REVISED - | STRUCTURE NO. 045-6032 | |
| PLOT DATE = 6/29/2021 12:02:36 PM | CHECKED - REB | REVISED - | | | | SHEET 1 OF 9 SHEETS | | ILLINOIS FED. AID PROJECT | | |

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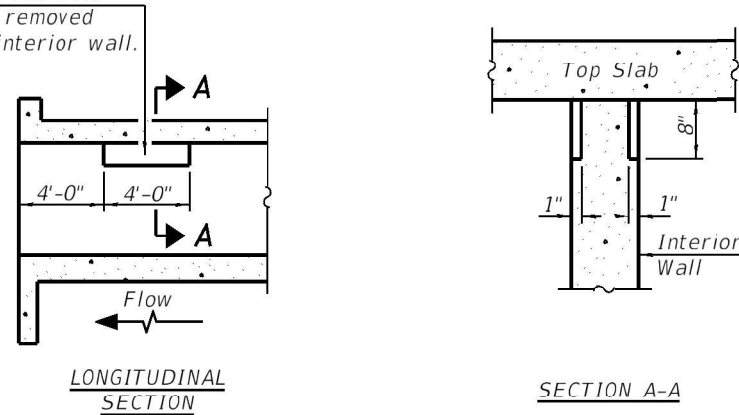
GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 All exposed concrete corners and edges will be chamfered 3/4-inch unless noted otherwise in the plans.
 Reinforcement bars designated (E) shall be epoxy coated.

TOTAL BILL OF MATERIAL

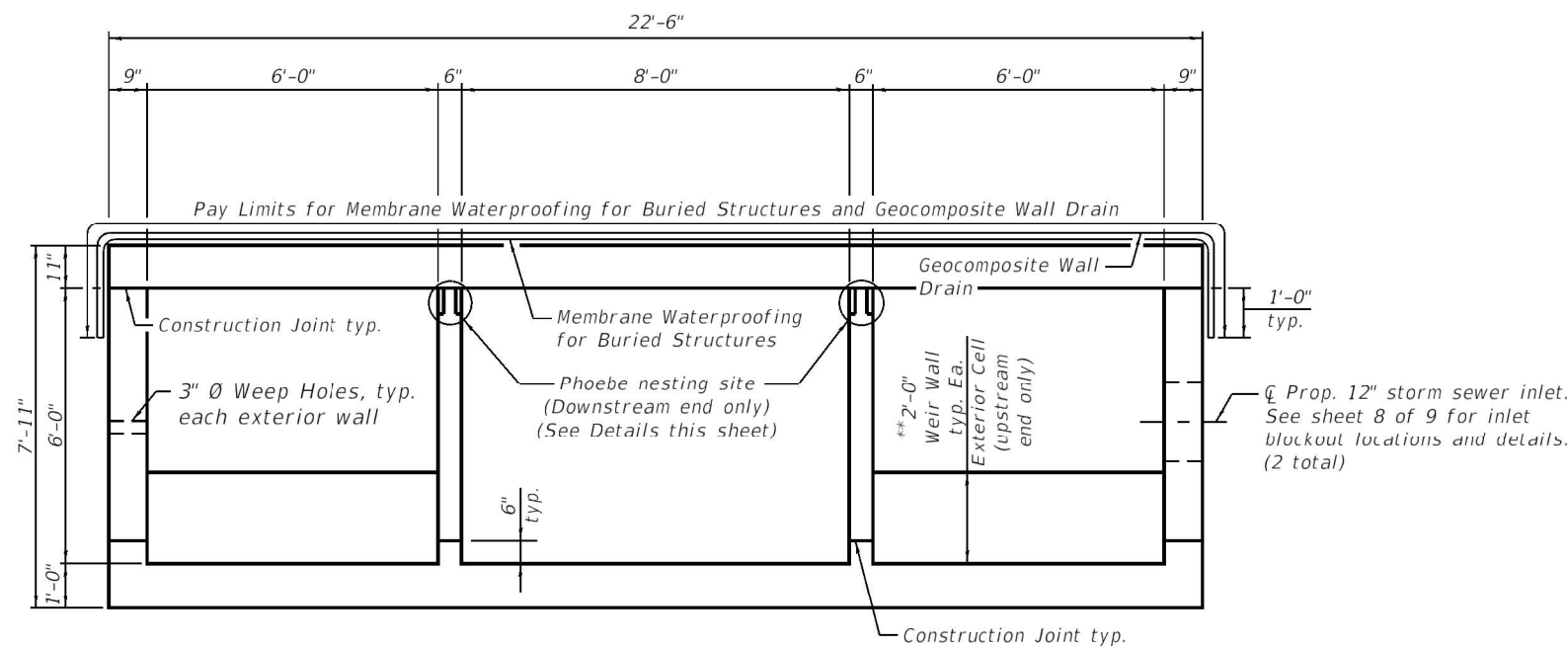
| ITEM | UNIT | TOTAL |
|---|---------|--------|
| Stone Riprap, Class A4 | Sq. Yd. | 371 |
| Filter Fabric | Sq. Yd. | 146 |
| Removal of Existing Structures No. 2 | Each | 1 |
| Structure Excavation | Cu. Yd. | 1,803 |
| Reinforcement Bars | Pound | 56,740 |
| Reinforcement Bars, Epoxy Coated | Pound | 400 |
| Name Plates | Each | 1 |
| Concrete Box Culverts | Cu. Yd. | 243.0 |
| Geocomposite Wall Drain | Sq. Yd. | 288 |
| Membrane Waterproofing System for Buried Structures | Sq. Yd. | 288 |

Notch formed by rough finished board attached to and removed with form work, each interior wall. (Do not chamfer).



PHOEBE NESTING SITE DETAILS
 (Downstream End Only)

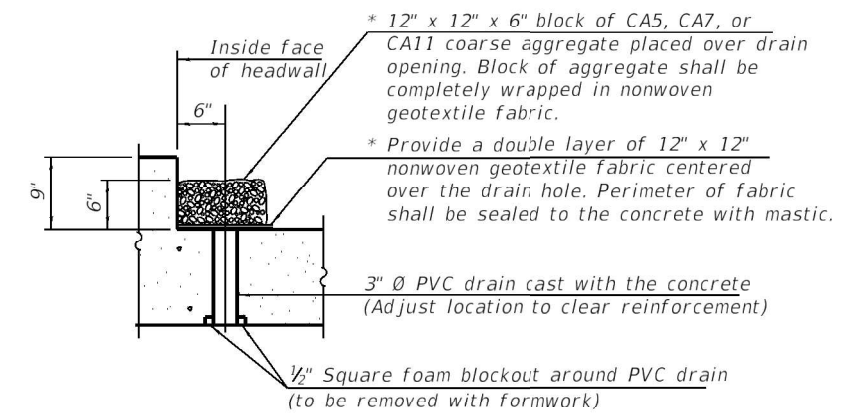
**See sheet 7 of 9 for Weir Wall details.



TYPICAL SECTION THRU BOX CULVERT
 (Looking Downstream)

Note: Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

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| USER NAME = CAUSTIFF | DESIGNED - SJS | REVISED - |
| Illinois Design Firm Number 184,001670 | CHECKED - REB | REVISED - |
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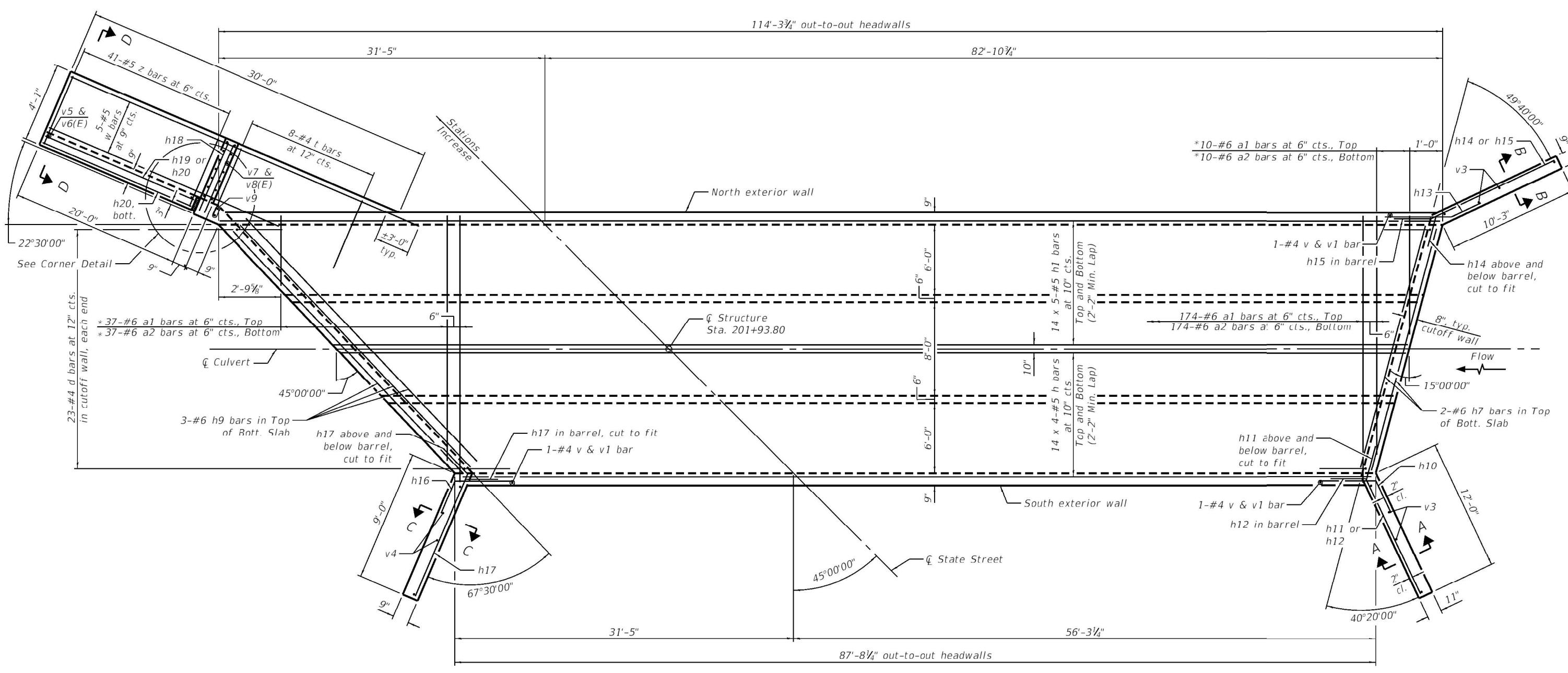
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND TOTAL BILL OF MATERIAL
 STRUCTURE NO. 045-6032**

SHEET 2 OF 9 SHEETS

| | | | | |
|------------------------|------------------|--------------------|------------------|---------------|
| F.A.P. RTE. 98 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 196 |
| STRUCTURE NO. 045-6032 | | CONTRACT NO. 62G11 | | |
| ILLINOIS | | FED. AID PROJECT | | |

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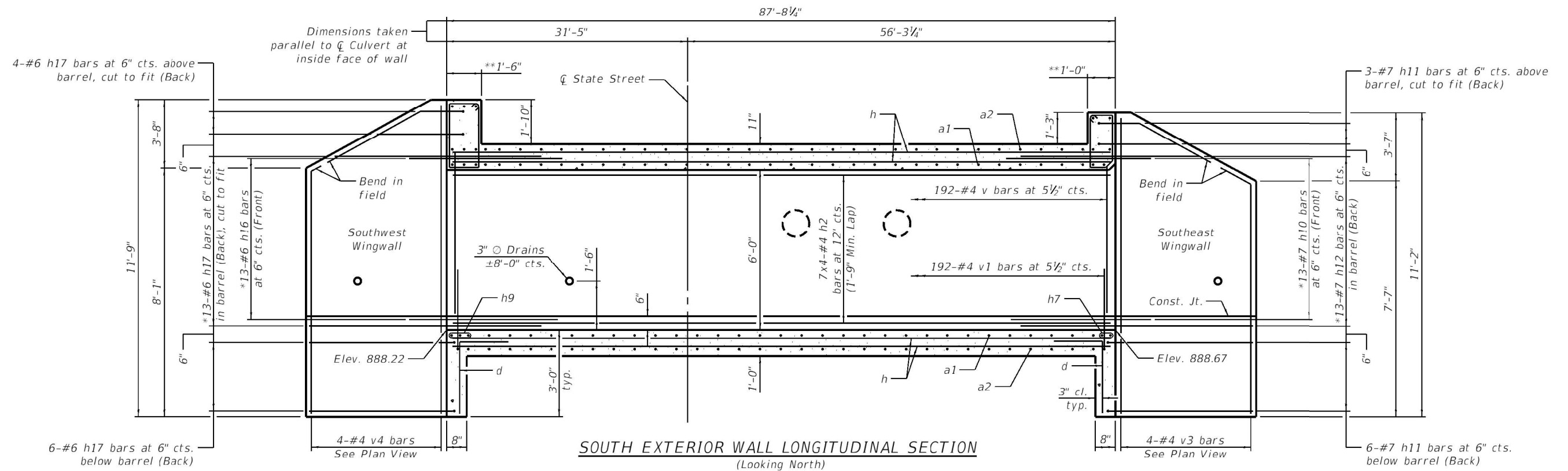


Notes:
 For the Northeast, Southeast, and Southwest wingwalls, a distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar.
 No reduction in quantities shall be made for this substitution.
 For Sections A-A, B-B, C-C, and D-D, Bar Bending details, Corner Detail, and Bill of Materials, see Sheet 7 of 9.

BOTTOM SLAB PLAN
 (Showing wingwall reinforcement)

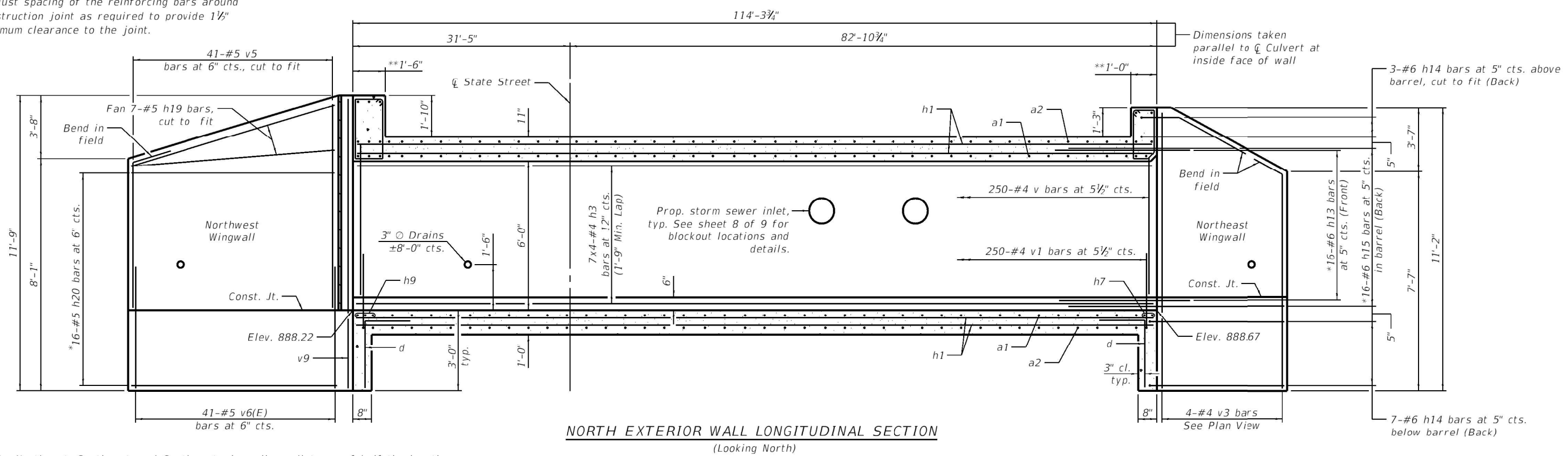
* Cut to fit.

| | | | | | | | |
|--|--|---|--|---|---|--|---|
| | USER NAME = CAUSTIFF Illinois Design Firm Number 184.001670 PLOT SCALE = PLOT DATE = 4/15/2021 2:23:51 PM | DESIGNED - SJS CHECKED - REB DRAWN - WJS CHECKED - REB | REVISED - REVISED - REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BOTTOM SLAB LAYOUT STRUCTURE NO. 045-6032 SHEET 3 OF 9 SHEETS | F.A.P. RTE. 98 SECTION 32R-DR-1 COUNTY KANE ILLINOIS FED. AID PROJECT | TOTAL SHEETS 236 SHEET NO. 197 CONTRACT NO. 62G11 |
|--|--|---|--|---|---|--|---|



SOUTH EXTERIOR WALL LONGITUDINAL SECTION
(Looking North)

*Adjust spacing of the reinforcing bars around construction joint as required to provide 1 1/2\"/>



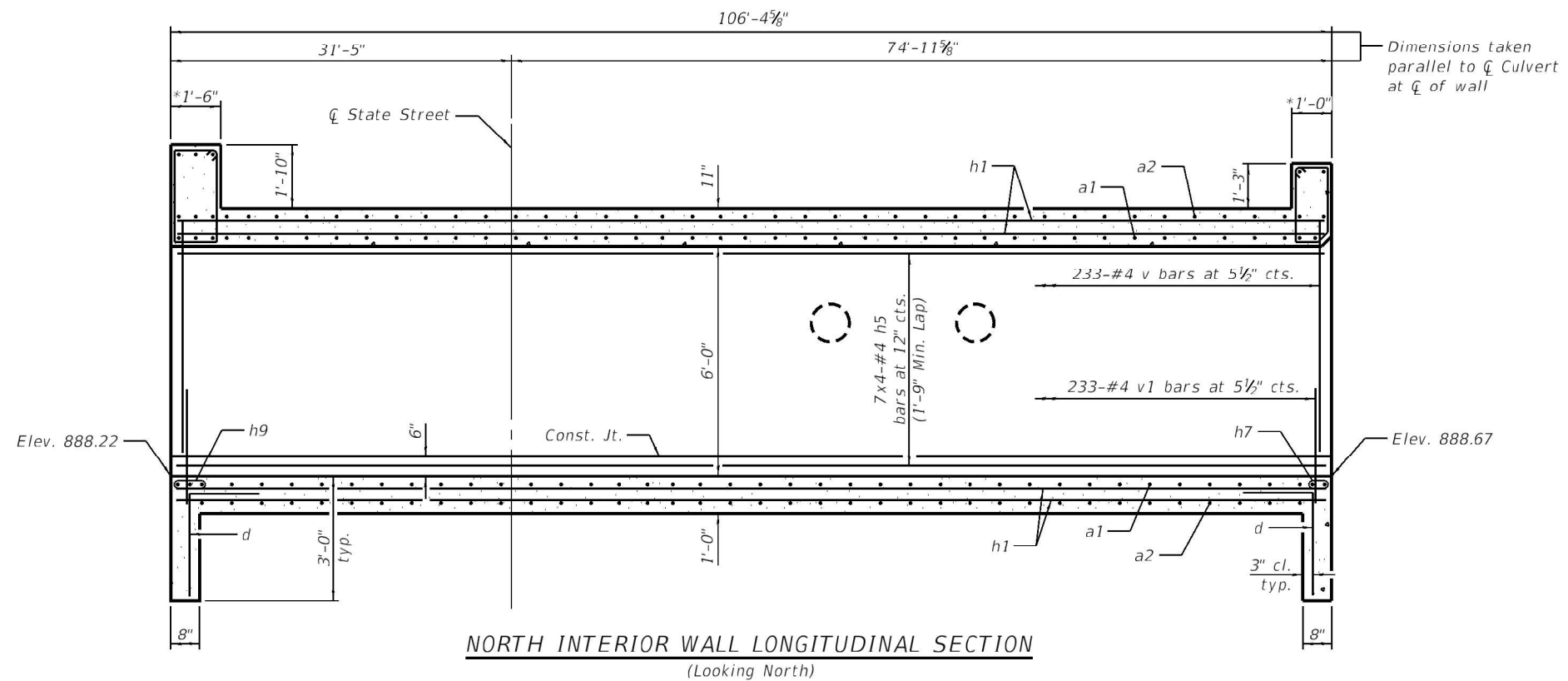
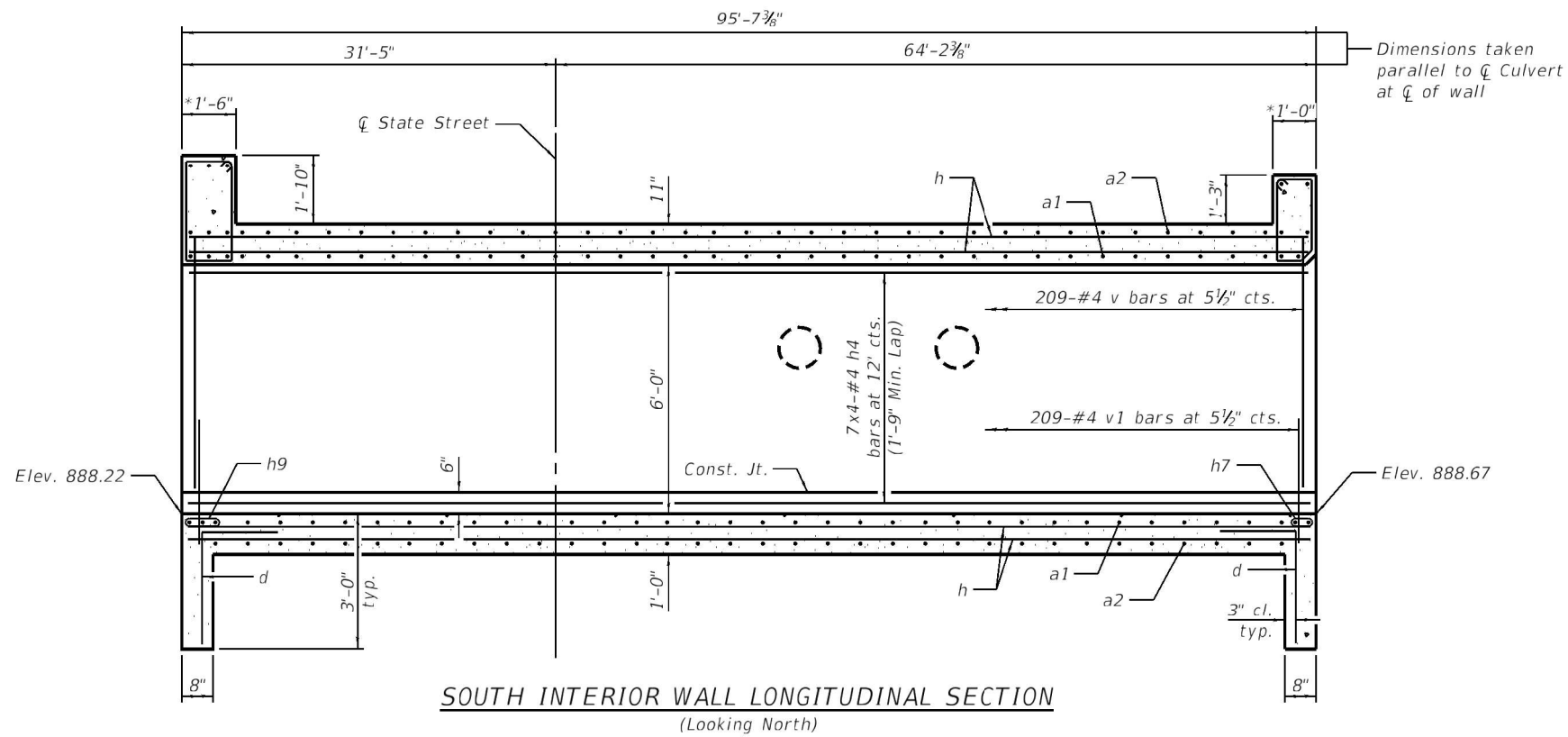
NORTH EXTERIOR WALL LONGITUDINAL SECTION
(Looking North)

Notes:
 For the Northeast, Southeast, and Southwest wingwalls, a distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar.
 No reduction in quantities shall be made for this substitution.
 For Section Thru Headwall, Bar Bending details, and Bill of Materials, see Sheet 7 of 9.

**Headwall dimensions taken perpendicular to upstream or downstream headwall skew

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| | USER NAME = CAUSTIFF | DESIGNED - SJS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXTERIOR WALL LAYOUT STRUCTURE NO. 045-6032 | F.A.P. RTE. 98 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 198 |
| | Illinois Design Firm Number 184,001670 | CHECKED - REB | REVISED - | | | STRUCTURE NO. 045-6032 | CONTRACT NO. 62G11 | | | |
| | PLOT SCALE = | DRAWN - WJS | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |
| | PLOT DATE = 4/15/2021 2:24:25 PM | CHECKED - REB | REVISED - | SHEET 4 OF 9 SHEETS | | | | | | |



Notes:
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar.
 No reduction in quantities shall be made for this substitution.
 For Section Thru Headwall, Bar Bending details, and Bill of Materials, see Sheet 7 of 9.

*Headwall dimensions taken perpendicular to upstream or downstream headwall skew

MODEL: Default
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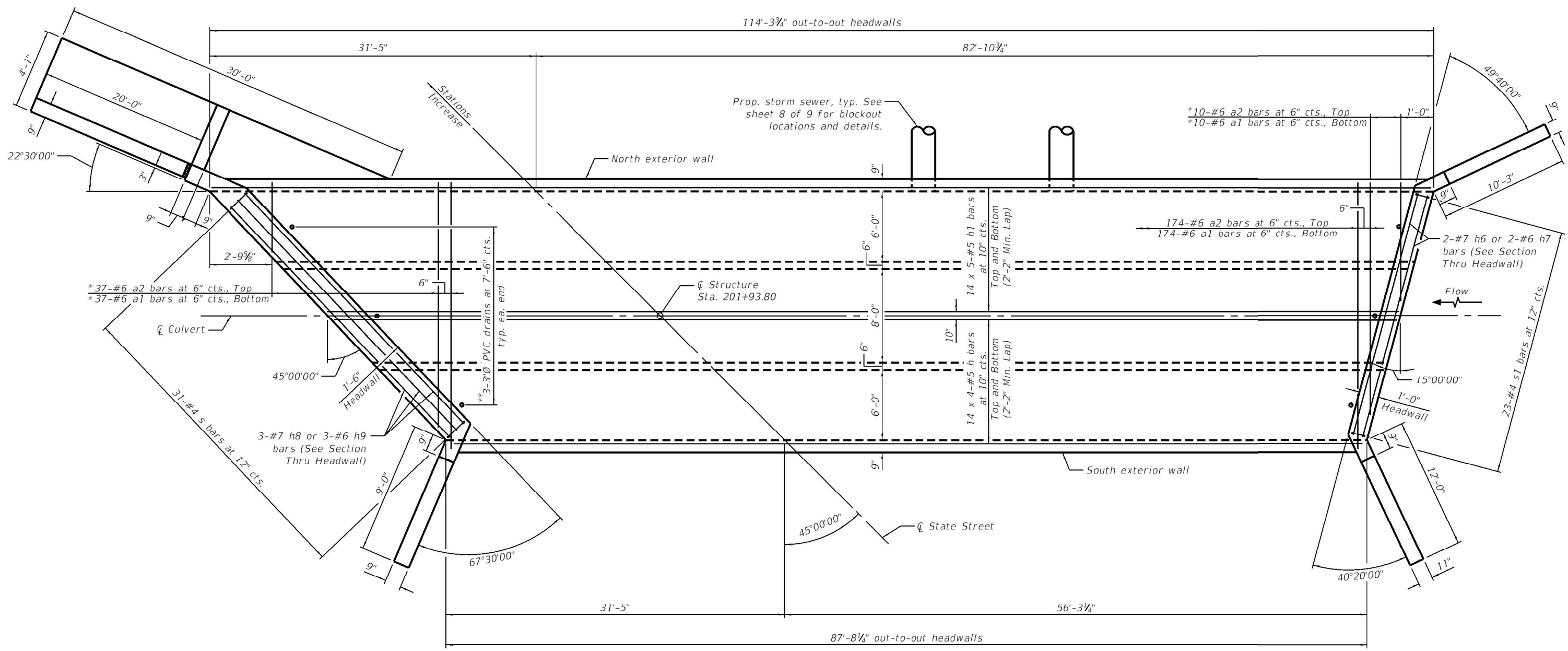
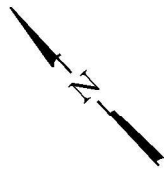
| | | |
|--|----------------|-----------|
| USER NAME = CAUSTIFF | DESIGNED - SJS | REVISED - |
| Illinois Design Firm Number 184.001670 | CHECKED - REB | REVISED - |
| PLOT SCALE = | DRAWN - WJS | REVISED - |
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERIOR WALL LAYOUT
STRUCTURE NO. 045-6032**

SHEET 5 OF 9 SHEETS

| | | | | |
|---------------------------|----------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 98 | 32R-DR-1 | KANE | 236 | 199 |
| STRUCTURE NO. 045-6032 | | CONTRACT NO. 62G11 | | |
| ILLINOIS FED. AID PROJECT | | | | |



TOP SLAB PLAN

Notes:
 For the Northeast, Southeast, and Southwest wingwalls, a distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 For wingwall reinforcement layout, see Bottom Slab Plan on Sheet 3 of 9.
 For Section Thru Headwall, Bar Bending details, and Bill of Materials, see Sheet 7 of 9.

* Cut to fit.
 ** See Drain Detail on sheet 2 of 9.

MODEL: Default
 FILE NAME: K:\Projects\118-0009-0\HY 11-72 & State Street\Bridges\SN 045-6032 - State Street over Hampshire Creek Tributary\CADD\CADD Sheets\0456032-62G11-206-Top Slab.dgn



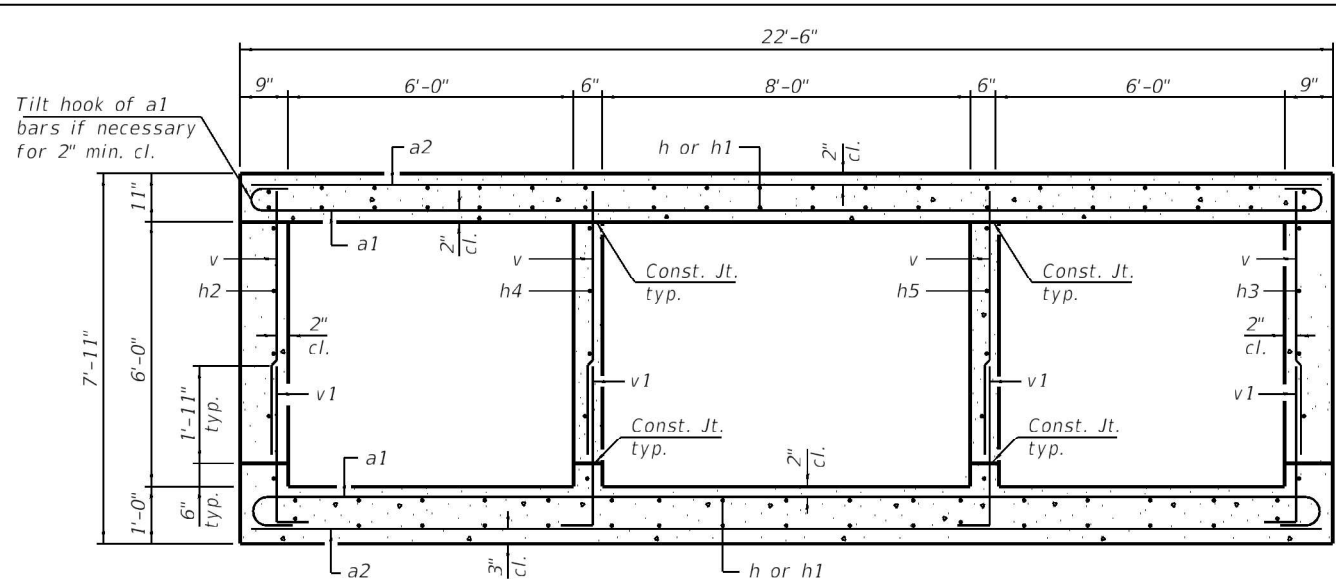
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|--|----------------|-----------|
| USER NAME = CAUSTIFF | DESIGNED - SJS | REVISED - |
| Illinois Design Firm Number 184.001670 | CHECKED - REB | REVISED - |
| PLOT SCALE = | DRAWN - WJS | REVISED - |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

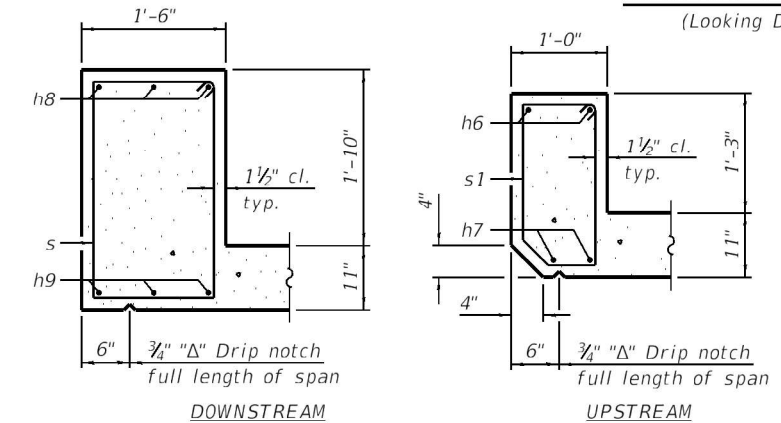
**TOP SLAB LAYOUT
 STRUCTURE NO. 045-6032**

SHEET 6 OF 9 SHEETS

| | | | | |
|---------------------------|------------------|--------------------|------------------|---------------|
| F.A.P. RTE. 98 | SECTION 32R-DR-1 | COUNTY KANE | TOTAL SHEETS 236 | SHEET NO. 200 |
| STRUCTURE NO. 045-6032 | | CONTRACT NO. 62G11 | | |
| ILLINOIS FED. AID PROJECT | | | | |

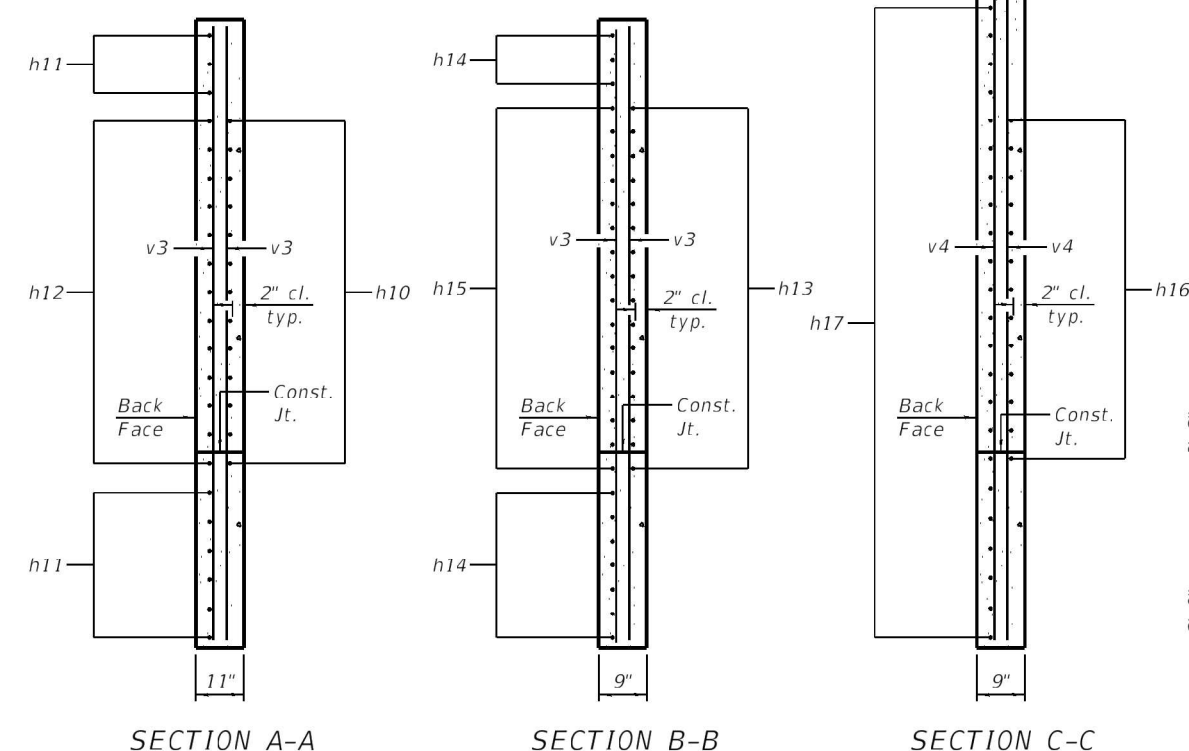


SECTION THRU BARREL
(Looking Downstream)



SECTION THRU HEADWALL

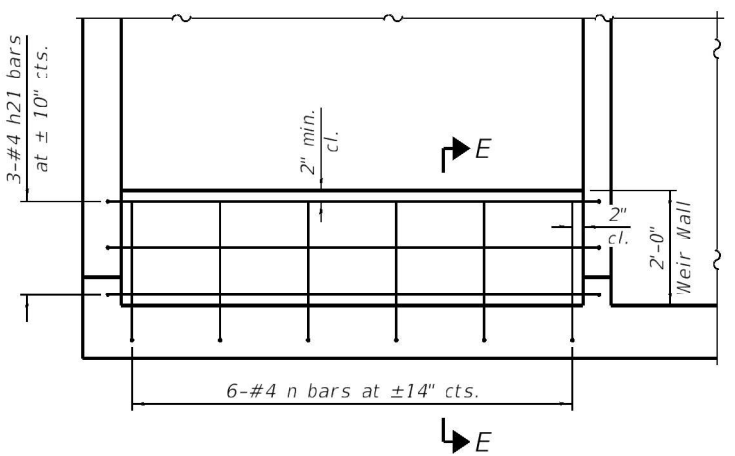
(Horizontal dimensions taken perpendicular to headwall skew)



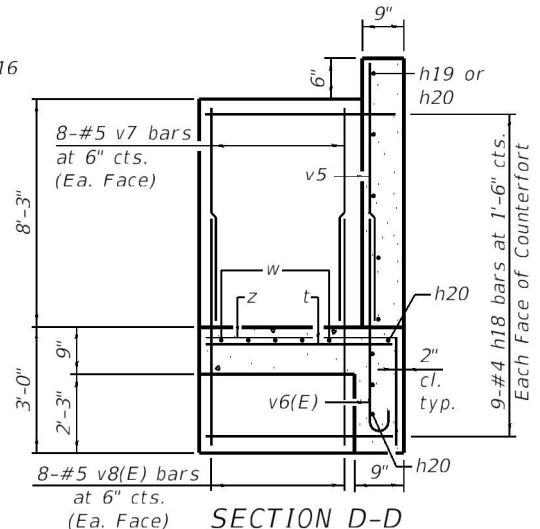
SECTION A-A

SECTION B-B

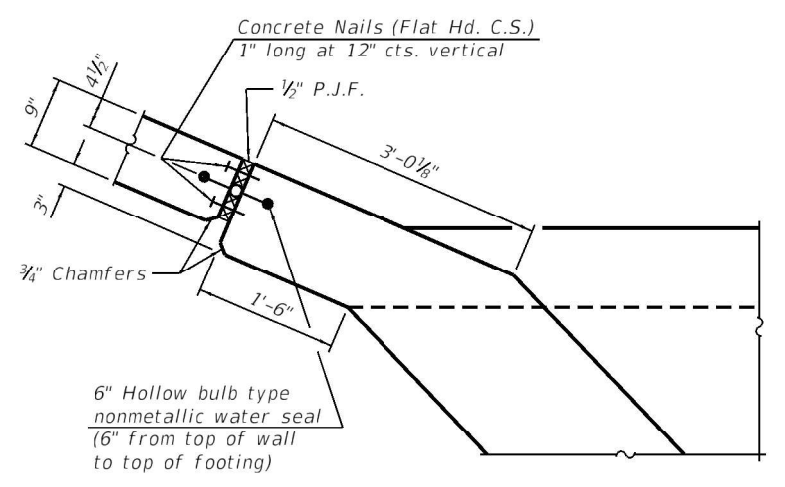
SECTION C-C



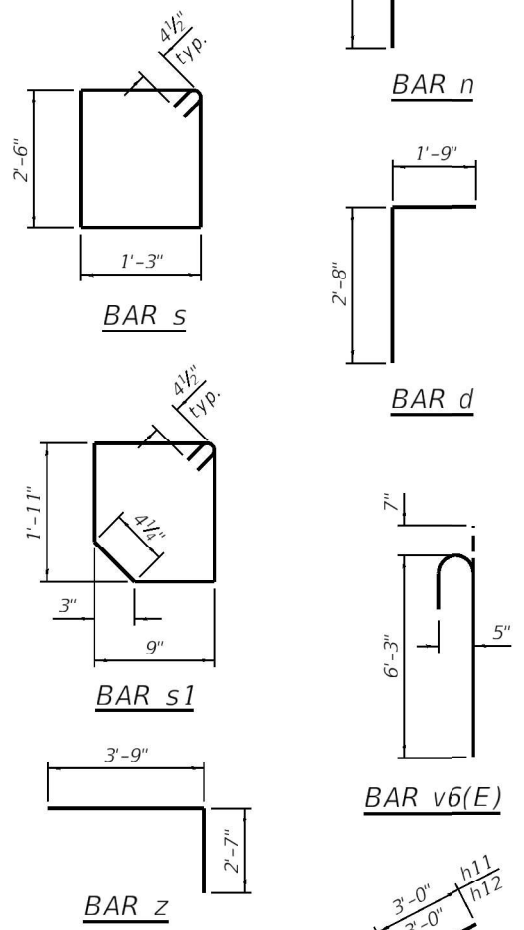
TYPICAL WEIR WALL REINFORCEMENT DETAIL



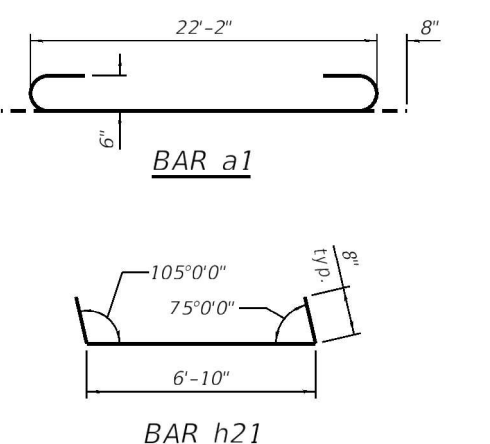
SECTION D-D



CORNER DETAIL



| BILL OF MATERIAL | | | | |
|----------------------------------|-----|------|---------|----------|
| Bar | No. | Size | Length | Shape |
| a1 | 442 | #6 | 23'-6" | [Symbol] |
| a2 | 442 | #6 | 22'-2" | [Symbol] |
| d | 46 | #4 | 4'-5" | [Symbol] |
| h | 224 | #5 | 26'-10" | [Symbol] |
| h1 | 280 | #5 | 24'-7" | [Symbol] |
| h2 | 28 | #4 | 23'-2" | [Symbol] |
| h3 | 28 | #4 | 29'-10" | [Symbol] |
| h4 | 28 | #4 | 25'-3" | [Symbol] |
| h5 | 28 | #4 | 27'-11" | [Symbol] |
| h6 | 2 | #7 | 22'-1" | [Symbol] |
| h7 | 4 | #6 | 22'-1" | [Symbol] |
| h8 | 3 | #7 | 28'-10" | [Symbol] |
| h9 | 6 | #6 | 28'-10" | [Symbol] |
| h10 | 13 | #7 | 8'-0" | [Symbol] |
| h11 | 9 | #7 | 14'-6" | [Symbol] |
| h12 | 13 | #7 | 14'-10" | [Symbol] |
| h13 | 16 | #6 | 8'-0" | [Symbol] |
| h14 | 10 | #6 | 13'-0" | [Symbol] |
| h15 | 16 | #6 | 13'-8" | [Symbol] |
| h16 | 13 | #6 | 8'-0" | [Symbol] |
| h17 | 23 | #6 | 11'-11" | [Symbol] |
| h18 | 18 | #4 | 4'-0" | [Symbol] |
| h19 | 7 | #5 | 19'-11" | [Symbol] |
| h20 | 17 | #5 | 19'-7" | [Symbol] |
| h21 | 6 | #4 | 8'-2" | [Symbol] |
| h22 | 32 | #6 | 4'-10" | [Symbol] |
| n | 12 | #4 | 3'-2" | [Symbol] |
| s | 31 | #4 | 8'-3" | [Symbol] |
| s1 | 23 | #4 | 6'-0" | [Symbol] |
| t | 8 | #4 | 4'-0" | [Symbol] |
| v | 887 | #4 | 6'-1" | [Symbol] |
| v1 | 887 | #4 | 3'-10" | [Symbol] |
| v3 | 8 | #4 | 10'-9" | [Symbol] |
| v4 | 4 | #4 | 11'-4" | [Symbol] |
| v5 | 41 | #5 | 8'-5" | [Symbol] |
| v6(E) | 41 | #5 | 6'-10" | [Symbol] |
| v7 | 16 | #5 | 7'-11" | [Symbol] |
| v8(E) | 16 | #5 | 6'-3" | [Symbol] |
| v9 | 2 | #5 | 11'-4" | [Symbol] |
| w | 5 | #5 | 32'-3" | [Symbol] |
| z | 41 | #5 | 6'-4" | [Symbol] |
| Concrete Box Culverts | | | Cu. Yd. | 243.0 |
| Reinforcement Bars | | | Pound | 56,740 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 400 |



BAR h21

MODEL: Default
FILE NAME: K:\Projects\18-0009-0\HY 11-72 & State Street Bridge over Hampshire Creek.Tributary C\CADD\CADD Sheets\0456032-62G11-207-Sections & Details.dgn
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| USER NAME = CAUSTIFF | DESIGNED - SJS | REVISED - |
| Illinois Design Firm Number 184.001670 | CHECKED - REB | REVISED - |
| PLOT SCALE = | DRAWN - WJS | REVISED - |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTIONS AND DETAILS
STRUCTURE NO. 045-6032

SHEET 7 OF 9 SHEETS

| | | | | |
|------------------------|----------|------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 98 | 32R-DR-1 | KANE | 236 | 201 |
| STRUCTURE NO. 045-6032 | | | CONTRACT NO. 62G11 | |
| ILLINOIS | | FED. AID PROJECT | | |