

PROGRAM AND OFFICE ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBURG, ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

02-27-2026 LETTING ITEM 084

TRAFFIC DATA

MONTROSE AVENUE  
ADT (YEAR) = 18,800 (2023)  
POSTED SPEED LIMIT = 30 MPH  
(20 MPH IN SCHOOL ZONES)

DESIGN DESIGNATION:  
MAJOR COLLECTOR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

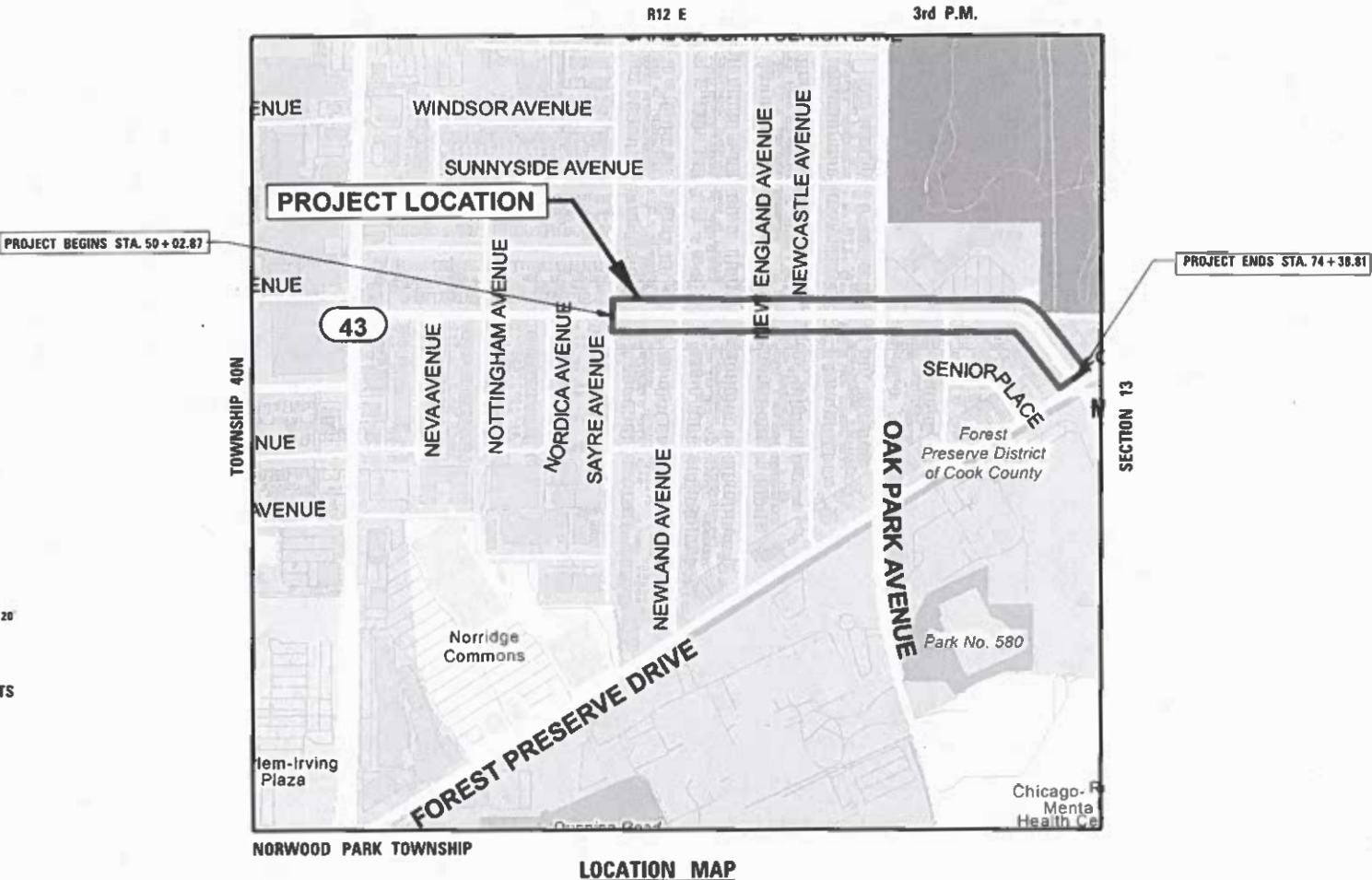
FAU ROUTE 1366 (MONTROSE AVENUE)  
SAYRE AVENUE TO FOREST PRESERVE DRIVE  
RESURFACING  
SECTION NO. 22-00069-00-RS  
PROJECT NO. 759Y(857)  
VILLAGE OF HARWOOD HEIGHTS  
COOK COUNTY  
C-91-119-23

| F.A.U.              | SECTION        | COUNTY       | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|--------------|--------------|-----------|
| 1366                | 22-00069-00-RS | COOK         | 41           | 1         |
| FED. ROAD DIST. NO. | ILLINOIS       | CONTRACT NO. | 61M32        |           |



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

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
8-1-1 OR 1-800-892-0123



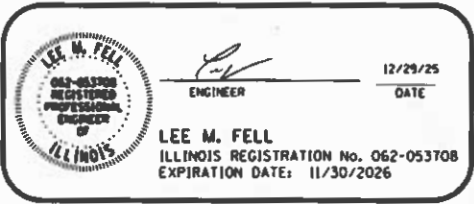
LOCATION MAP

MONTROSE AVENUE  
GROSS LENGTH OF PROJECT = 2,435.940 LINEAL FEET (0.46 MILES)  
NET LENGTH OF PROJECT = 2,435.940 LINEAL FEET (0.46 MILES)

**CB** CHRISTOPHER B. BURKE ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175  
EXPIRATION DATE: 04/30/27

CONTRACT NO. 61M32



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED *[Signature]* 12/29/25  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

PASSED *[Signature]* 12/29/25  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR  
BID BASED ON  
LIMITED REVIEW *[Signature]* 12/29/25  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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Highway Standards

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|-----------|---|
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| 424021-07 | DEPRESSED CORNER FOR SIDEWALKS  |
| 442201-04 | CLASS D PATCHES   |
| 604001-05 | FRAMES AND LIDS TYPE 1  |
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| 701606-10 | URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN                 |
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|           | DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING                    |

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2026; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION; THE "DETAILS" IN THE PLANS; AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.
3. CODES OF THE IEPA TITLE 35 AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.
5. ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY.

UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
2. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
4. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE.
5. THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.
6. ADJUSTMENTS WITH MILLING AND GENERAL ADJUSTMENTS: UNLESS NOTED ON THE PLANS OR IN FIELD, ALL ADJUSTMENTS SHALL USE EXISTING FRAME & LID.

7. CONTRACTOR SHALL POUR NEW CONCRETE BENCH ON ALL STRUCTURES NOTED IN THE PLANS OR BY THE ENGINEER IN THE FIELD.

TRAFFIC CONTROL AND PROTECTION

1. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT [KALPANA.KANNAN.HOSADURGA@ILLINOIS.GOV](KALPANA.KANNAN.HOSADURGA@ILLINOIS.GOV) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING.
2. DURING EACH DAY OF PAVEMENT MARKING, THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN THE DIRECTION OF TRAVEL AND END AT A SIDE-STREET. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN THE EASTBOUND LANES STARTING AT DES PLAINES AVENUE. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN THE WESTBOUND LANES STARTING AT HARLEM AVENUE. CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, AT LEAST ONE LANE IN EACH DIRECTION OF PERMITTED TRAVEL LANES. PAVEMENT MARKINGS SHALL BE INSTALLED AHEAD OF ALL SIGNAGE.
3. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. IN ADDITION, ANY SIGNS WHICH ARE DAMAGED DURING CONSTRUCTION BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AND TO THE SATISFACTION OF THE ENGINEER.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT EXCEPT FOR PERIODS OF SHORT DURATION, AS APPROVED BY THE ENGINEER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.
6. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
7. PAVEMENT MARKING TAPE TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

MISCELLANEOUS

1. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
2. ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.
3. COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, DRIVEWAY REMOVAL AND REPLACEMENT, AND STRUCTURES TO BE ADJUSTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
4. THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.
5. DETECTABLE WARNINGS SHALL BE INSTALLED AT INTERSECTING STREETS, DRIVEWAYS, AND ALLEYS AS SHOWN ON THE PLANS (SEE DETAILS ON SHEETS 16 & 17).
6. CONTRACTOR SHALL NOT PLACE SOD UNTIL THE TEMPERATURE IS 80 OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80 OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.
7. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.
8. AT NO TIME SHALL LESS THAN HALF OF THE STREET BE AVAILABLE FOR PARKING.
9. CONCRETE FILL BETWEEN NEW CURB AND GUTTER AND EXISTING PAVEMENT: FILLING THE GAP BETWEEN THE EXISTING PAVEMENT AND PROPOSED CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 606001.
10. ALL DETECTABLE WARNING TACTILES SHALL BE FIELD VERIFIED AND THE SIZE TO BE DETERMINED BY THE CONTRACTOR PRIOR TO ORDERING.
11. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
12. ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
13. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.

COMMITMENTS

1. NONE.

|  |                        |                |           |   |                                     |                     |      |                    |                |                           |              |           |
|--|------------------------|----------------|-----------|---|-------------------------------------|---------------------|------|--------------------|----------------|---------------------------|--------------|-----------|
| FILE NAME =<br>N:\HARWOODHEIGHTS\220164\Civil\Not_220164.sht | USER NAME = wbioftus   | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | GENERAL NOTES AND HIGHWAY STANDARDS |                     |      | F.A.U. RTE.        | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|  |                        | DRAWN - JEH    | REVISED - |   |                                     |                     |      | 1366               | 22-00069-00-R5 | COOK                      | 41           | 2         |
|  |                        | CHECKED - LMF  | REVISED - |   |                                     |                     |      | CONTRACT NO. 61M32 |                |                           |              |           |
| Default  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - | SCALE: N.T.S.                                     |                                     | SHEET 1 OF 1 SHEETS | STA. | TO STA.            |                | ILLINOIS FED. AID PROJECT |              |           |

SUMMARY OF QUANTITIES

| SPECIALTY<br>ITEM | ITEM NO. | ITEM  | UNIT  | CONSTRUCTION<br>TYPE CODE 0005<br>(80% FEDERAL /<br>20% LOCAL) |
|-------------------|----------|---|-------|--|
|                   | 20101100 | TREE TRUNK PROTECTION                                   | EACH  | 12   |
|                   | 20101200 | TREE ROOT PRUNING                                       | EACH  | 12   |
|                   | 20101300 | TREE PRUNING (1 TO 10 INCH DIAMETER)                    | EACH  | 10   |
|                   | 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER)                    | EACH  | 2  |
|                   | 20200100 | EARTH EXCAVATION  | CU YD | 50   |
|                   | 20800150 | TRENCH BACKFILL   | CU YD | 105  |
|                   | 21101615 | TOPSOIL FURNISH AND PLACE, 4"                           | SQ YD | 640  |
|                   | 25200110 | SODDING, SALT TOLERANT                                  | SQ YD | 640  |
|                   | 25200200 | SUPPLEMENTAL WATERING                                   | UNIT  | 35   |
|                   | 28000510 | INLET FILTERS   | EACH  | 19   |
|                   | 35101582 | AGGREGATE BASE COURSE, TYPE B 2"                        | SQ YD | 150  |
|                   | 35101800 | AGGREGATE BASE COURSE, TYPE B 6"                        | SQ YD | 20   |
|                   | 40600290 | BITUMINOUS MATERIALS (TACK COAT)                        | POUND | 8617   |
|                   | 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS              | TON   | 1.4  |
|                   | 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT            | SQ YD | 250  |
|                   | 40603200 | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 | TON   | 553  |
|                   | 40604060 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50    | TON   | 1126   |

\* SPECIALTY ITEM

|  |                       |                |           |   |  |  |  |                           |                           |                |                       |                   |
|--|-----------------------|----------------|-----------|---|--|--|--|---------------------------|---------------------------|----------------|-----------------------|-------------------|
| FILE NAME =<br>NYHARWOODHEIGHTS\220154\Civil\ques.220154.sht | USER NAME = jhouseh   | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES                          |  |  | F.A.U.<br>RTE.<br>1366    | SECTION<br>22-00069-00-R5 | COUNTY<br>COOK | TOTAL<br>SHEETS<br>41 | SHEET<br>NO.<br>3 |
|  | PLOT SCALE = 40'      | DRAWN - JEH    | REVISED - |   |  |  |  |                           |                           |                |                       |                   |
|  | PLOT DATE = 1/23/2026 | CHECKED - LMF  | REVISED - |   | SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA. |  |  | CONTRACT NO. 61M32        |                           |                |                       |                   |
| Default  |                       | DATE - 3/2022  | REVISED - |   |  |  |  | ILLINOIS FED. AID PROJECT |                           |                |                       |                   |

| SPECIALTY ITEM | ITEM NO. | ITEM   | UNIT  | CONSTRUCTION<br>TYPE CODE 0005<br>(80% FEDERAL /<br>20% LOCAL) |
|----------------|----------|--|-------|--|
|                | 42300300 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH | SQ YD | 150  |
|                | 42400800 | DETECTABLE WARNINGS                                | SQ FT | 455  |
|                | 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2"                | SQ YD | 12765  |
|                | 44000200 | DRIVEWAY PAVEMENT REMOVAL                          | SQ YD | 170  |
|                | 44000500 | COMBINATION CURB AND GUTTER REMOVAL                | FOOT  | 1380   |
|                | 44000600 | SIDEWALK REMOVAL                                   | SQ FT | 6445   |
|                | 44201737 | CLASS D PATCHES, TYPE I, 8 INCH                    | SQ YD | 135  |
|                | 44201741 | CLASS D PATCHES, TYPE II, 8 INCH                   | SQ YD | 950  |
|                | 44201745 | CLASS D PATCHES, TYPE III, 8 INCH                  | SQ YD | 135  |
|                | 44201747 | CLASS D PATCHES, TYPE IV, 8 INCH                   | SQ YD | 135  |
|                | 45100100 | CRACK ROUTING (PAVEMENT)                           | FOOT  | 5000   |
|                | 45100200 | CRACK FILLING                                      | POUND | 850  |
|                | 550A2320 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"  | FOOT  | 209  |
|                | 55100500 | STORM SEWER REMOVAL 12"                            | FOOT  | 209  |
|                | 60206905 | CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID       | EACH  | 1  |
|                | 60300305 | FRAMES AND LIDS TO BE ADJUSTED                     | EACH  | 25   |

\* SPECIALTY ITEM

|  |                        |                |           |   |                       |                     |                    |         |                           |                |        |                 |              |
|--|------------------------|----------------|-----------|---|-----------------------|---------------------|--------------------|---------|---------------------------|----------------|--------|-----------------|--------------|
| FILE NAME =<br>N:\HARWOODHEIGHTS\223164\Civil\ques.220101.2.sht<br><br>Default | USER NAME = wloofus    | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES |                     |                    |         | F.A.U.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                        | DRAWN - JEH    | REVISED - |   |                       |                     |                    |         | 1366                      | 22-00069-00-R5 | COOK   | 41              | 4            |
|  | PLOT SCALE = 48'       | CHECKED - LMF  | REVISED - |   |                       |                     | CONTRACT NO. 61M32 |         |                           |                |        |                 |              |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | SCALE: N.T.S.         | SHEET 2 OF 5 SHEETS | STA.               | TO STA. | ILLINOIS FED. AID PROJECT |                |        |                 |              |



| SPECIALTY ITEM | ITEM NO. | ITEM   | UNIT  | CONSTRUCTION<br>TYPE CODE 0005<br>(80% FEDERAL /<br>20% LOCAL) |
|----------------|----------|--|-------|--|
|                | 60404300 | FRAMES AND GRATES, TYPE 3                                | EACH  | 5  |
|                | 60406000 | FRAMES AND LIDS, TYPE 1, OPEN LID                        | EACH  | 5  |
|                | 60406100 | FRAMES AND LIDS, TYPE 1, CLOSED LID                      | EACH  | 5  |
|                | 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12        | FOOT  | 1380   |
|                | 67100100 | MOBILIZATION   | LSUM  | 1  |
|                | 70102622 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701502          | LSUM  | 1  |
|                | 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606          | LSUM  | 1  |
|                | 70102632 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701602          | LSUM  | 1  |
|                | 70102634 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701611          | LSUM  | 1  |
|                | 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501          | LSUM  | 1  |
|                | 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701          | LSUM  | 1  |
|                | 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801          | LSUM  | 1  |
|                | 70300100 | SHORT TERM PAVEMENT MARKING                              | FOOT  | 3250   |
|                | 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL                      | SQ FT | 1125   |
|                | 70300211 | TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS - PAINT | SQ FT | 294  |
|                | 70300221 | TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT              | FOOT  | 1000   |

\* SPECIALTY ITEM

|  |                        |                |           |   |                       |                     |      |                    |                             |        |                 |              |
|--|------------------------|----------------|-----------|---|-----------------------|---------------------|------|--------------------|-----------------------------|--------|-----------------|--------------|
| FILE NAME :                                      | USER NAME : wbioftus   | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES |                     |      | F.A.U.<br>RTE.     | SECTION                     | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\HARWDCDHEIGHTS\220164\Civil\qua.220164-13.sht |                        | DRAWN - JEH    | REVISED - |   |                       |                     |      | 1366               | 22-00069-00-RS              | COOK   | 41              | 5            |
| Default  | PLOT SCALE = 40'       | CHECKED - LMF  | REVISED - |   |                       |                     |      | CONTRACT NO. 61M32 |                             |        |                 |              |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | SCALE: N.T.S.         | SHEET 3 OF 5 SHEETS | STA. | TO STA.            | [ILLINOIS] FED. AID PROJECT |        |                 |              |

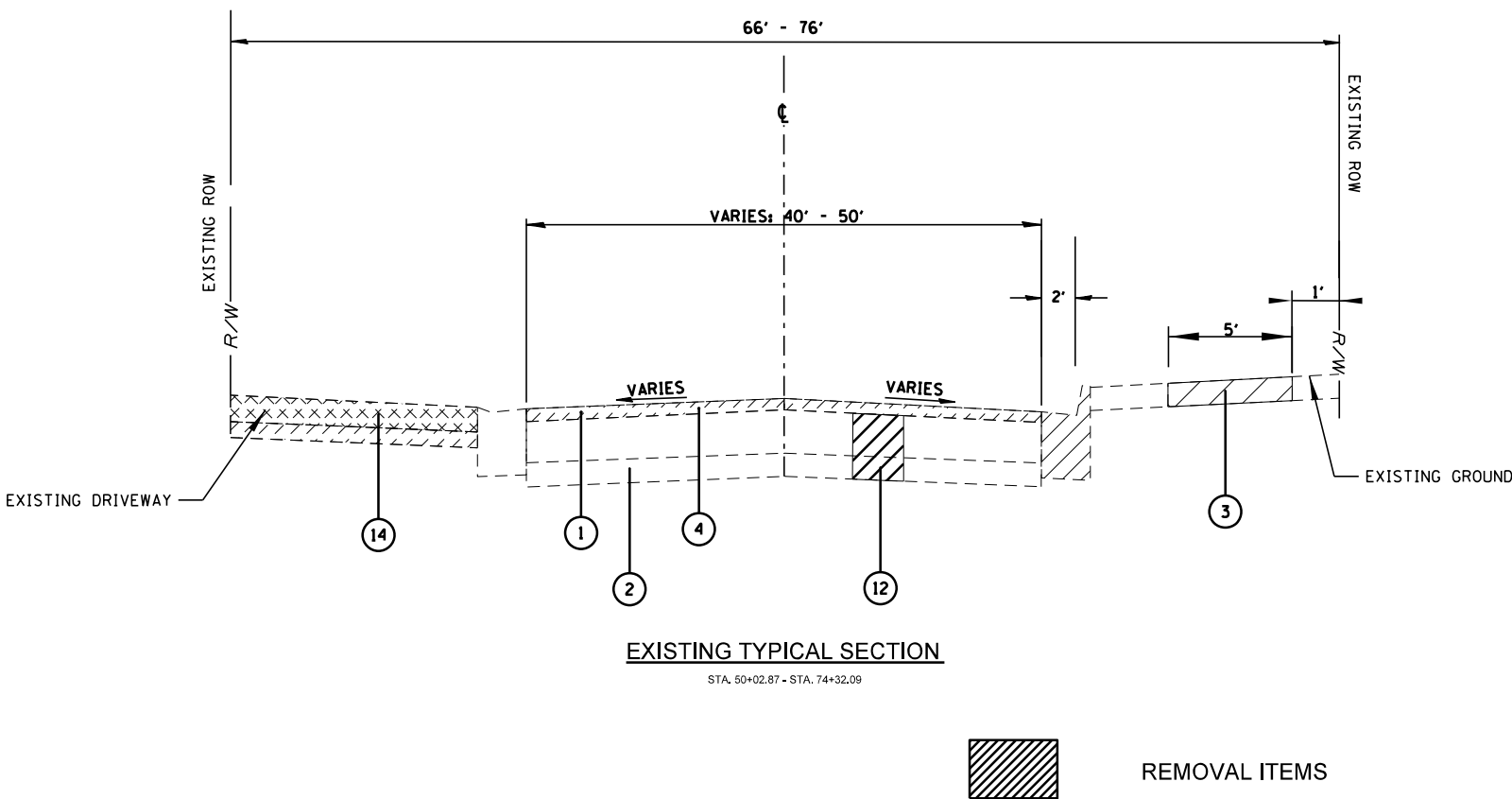
| SPECIALTY ITEM | ITEM NO. | ITEM  | UNIT  | CONSTRUCTION<br>TYPE CODE 0005<br>(80% FEDERAL /<br>20% LOCAL) |
|----------------|----------|---|-------|--|
|                | 70300241 | TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT               | FOOT  | 1200   |
|                | 70300261 | TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT              | FOOT  | 2400   |
|                | 70300281 | TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT              | FOOT  | 1700   |
|                | 70307120 | TEMPORARY PAVEMENT MARKING - LINE 4"- TYPE IV TAPE        | FOOT  | 3250   |
| *              | 72000100 | SIGN PANEL - TYPE 1                                       | SQ FT | 375  |
|                | 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A                       | EACH  | 105  |
| *              | 72800100 | TELESCOPING STEEL SIGN SUPPORT                            | FOOT  | 250  |
| *              | 72900100 | METAL POST - TYPE A                                       | FOOT  | 560  |
| *              | 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS      | SQ FT | 294  |
| *              | 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4"                  | FOOT  | 5026   |
| *              | 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6"                  | FOOT  | 605  |
| *              | 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12"                 | FOOT  | 3785   |
| *              | 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24"                 | FOOT  | 420  |
| *              | X0325714 | FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION | EACH  | 2  |
|                | X4060280 | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"                     | SQ YD | 20   |
|                | X4240430 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL         | SQ FT | 6445   |

\* SPECIALTY ITEM

| SPECIALTY ITEM | ITEM NO. | ITEM  | UNIT  | CONSTRUCTION<br>TYPE CODE 0005<br>(80% FEDERAL /<br>20% LOCAL) |
|----------------|----------|---|-------|--|
|                | X6024240 | INLETS (SPECIAL)                            | EACH  | 1  |
|                |          |   |       |  |
|                | X7200061 | TEMPORARY INFORMATION SIGNING               | SQ FT | 52   |
|                |          |   |       |  |
| *              | X8860105 | DETECTOR LOOP REPLACEMENT                   | FOOT  | 750  |
|                |          |   |       |  |
|                | XX005431 | LOCATING UNDERGROUND UTILITY                | EACH  | 10   |
|                |          |   |       |  |
|                | XX007092 | RECESSED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH  | 70   |
|                |          |   |       |  |
| *              | X7810300 | RECESSED REFLECTIVE PAVEMENT MARKER         | EACH  | 70   |
|                |          |   |       |  |
|                | Z0013798 | CONSTRUCTION LAYOUT                         | LSUM  | 1  |
|                |          |   |       |  |
|                | Z0018100 | DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)     | EACH  | 14   |
|                |          |   |       |  |
| *              | Z0036200 | PAINT CURB                                  | FOOT  | 800  |
|                |          |   |       |  |
|                | Z0051398 | REMOVE EXISTING SIGN POST                   | EACH  | 46   |

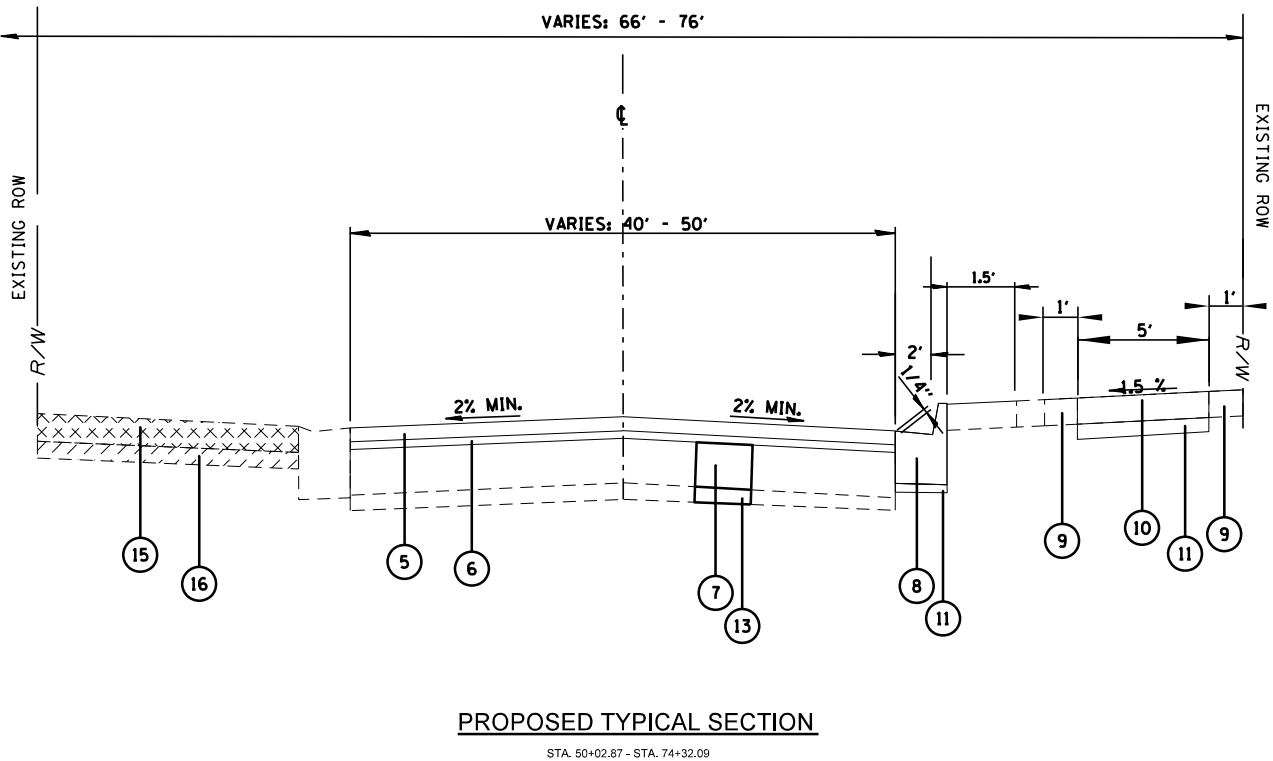
\* SPECIALTY ITEM

|   |                        |                |           |   |                       |                     |              |                           |                |        |                 |              |
|---|------------------------|----------------|-----------|---|-----------------------|---------------------|--------------|---------------------------|----------------|--------|-----------------|--------------|
| FILE NAME =                                   | USER NAME = wblotus    | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES |                     |              | F.A.U.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\HARWOOD\HEIGHS\220164\Civil\que.220164.sht |                        | DRAWN - JEH    | REVISED - |   |                       |                     |              | 1366                      | 22-00069-00-R5 | COOK   | 41              | 7            |
| Default                                       | PLOT SCALE = 40'       | CHECKED - LMF  | REVISED - |   |                       |                     |              | CONTRACT NO. 61M32        |                |        |                 |              |
|   | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | SCALE: N.T.S.         | SHEET 5 OF 5 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT |                |        |                 |              |



| HOT-MIX ASPHALT MIXTURE REQUIREMENTS   |                 |          |
|--|-----------------|----------|
| MIXTURE TYPE   | AIR VOIDS @Ndes | OMP      |
| ROADWAY RESURFACING  |                 |          |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1.5"                     | 4.0% @ 50 GYR.  | LR1030-2 |
| POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 0.75"                 | 3.5% @ 50 GYR.  | LR1030-2 |
| PAVEMENT PATCHING  |                 |          |
| CLASS D PATCHES, CLASS I-IV, 8 INCH<br>CLASS D PATCHES (HMA BINDER, IL-19.0mm) | 4.0% @ 70 GYR.  | LR1030-2 |
| HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"  |                 |          |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"<br>(IN 2 LIFTS)       | 4.0% @ 50 GYR.  | LR1030-2 |
| OMP DESIGNATION: OC/OA PER LOCAL ROADS SPECIFICATION LR1030-2                  |                 |          |

- NOTES:
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
  - THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
  - PAVING OF THE FULL ROADWAY WIDTH SHALL BE COMPLETED AT THE END OF EACH DAY OF PAVING TO PREVENT A LONGITUDINAL COLD JOINT FROM APPEARING WHEN OPPOSITE SIDES OF THE ROAD ARE PAVED ON DIFFERENT DAYS. THE CONTRACTOR SHALL ALSO ENSURE THAT AT THE END OF EACH DAY EACH PASS ENDS AT APPROXIMATELY THE SAME STATION TO PREVENT A COLD JOINT.
  - PAVEMENT PATCHES SHALL BE COMPLETED FOLLOWING HMA SURFACE REMOVAL.

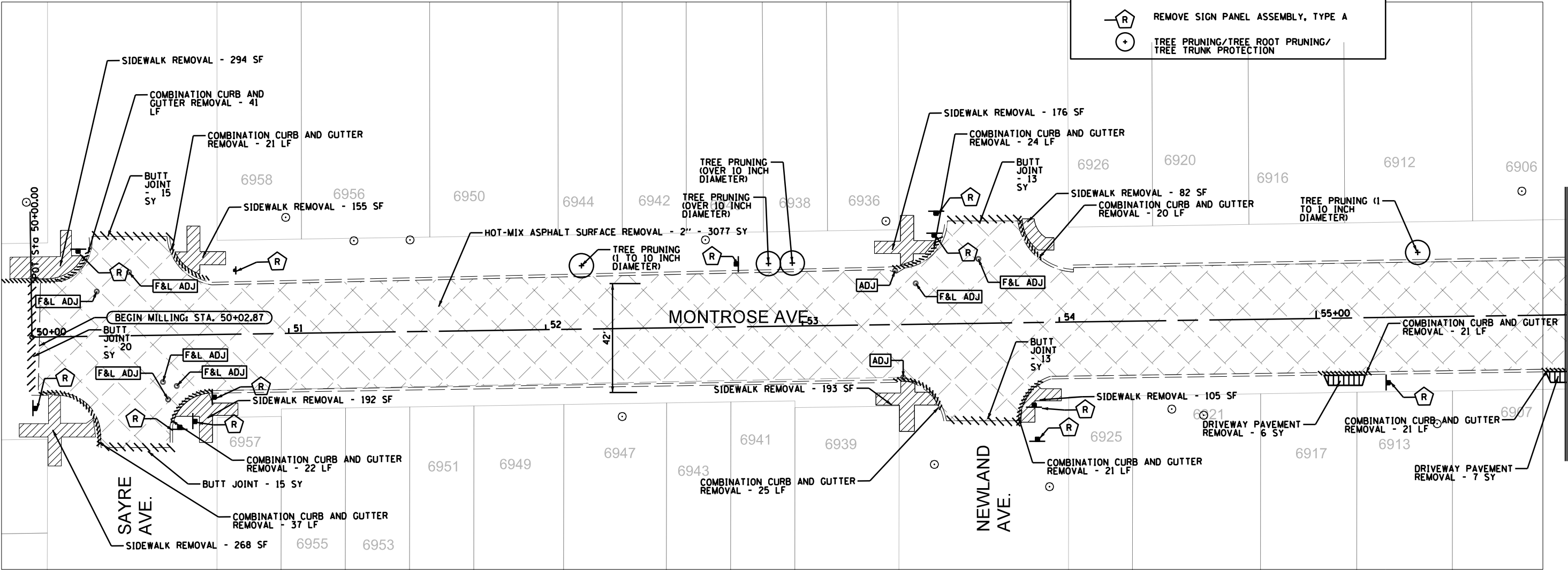
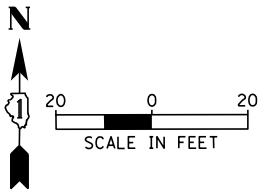


- LEGEND:
- 1 EXISTING HOT-MIX ASPHALT PAVEMENT
  - 2 EXISTING AGGREGATE SUBBASE
  - 3 EXISTING PCC SIDEWALK/SIDEWALK REMOVAL
  - 4 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
  - 5 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"
  - 6 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"
  - 7 CLASS D PATCHES, TYPE I-IV, 8 INCH (AS DETERMINED BY ENGINEER IN FIELD)
  - 8 COMBINATION CURB AND GUTTER, TYPE B-6.12 (AS DETERMINED BY ENGINEER IN FIELD)
  - 9 SODDING, SALT TOLERANT
  - 10 PROPOSED PCC SIDEWALK 5 INCH REMOVAL AND REPLACEMENT (AS DETERMINED BY ENGINEER IN FIELD)
  - 11 SUBBASE GRANULAR MATERIAL, 4" (INCLUDED IN COST OF COMBINATION CURB AND GUTTER, TYPE B-6.12 & PCC SIDEWALK 5 INCH, SPECIAL
  - 12 REMOVAL AND DISPOSABLE OF UNSUITABLE MATERIAL
  - 13 POROUS GRANULAR EMBANKMENT
  - 14 DRIVEWAY PAVEMENT REMOVAL
  - 15 PCC DRIVEWAY PAVEMENT, 7 INCH/HMA DRIVEWAY PAVEMENT 3"
  - 16 SUBBASE GRANULAR MATERIAL, TYPE B 2"/6"

|   |                      |                        |               |   |                 |                 |                    |                |                           |                 |              |
|---|----------------------|------------------------|---------------|---|-----------------|-----------------|--------------------|----------------|---------------------------|-----------------|--------------|
| FILE NAME =<br>N:\HARWOODHEIGHTS\220164\Civil1\TYP_HH 220164.sht<br>Default | USER NAME = wbioftus | DESIGNED - JEH         | REVISED -     | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TYPICAL SECTION |                 | F.A.U.<br>RTE.     | SECTION        | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|   |                      | DRAWN - JEH            | REVISED -     |   |                 |                 | 1366               | 22-00069-00-R5 | COOK                      | 41              | 8            |
|   |                      | PLOT SCALE = 1/8"      | CHECKED - LMF |   |                 |                 | CONTRACT NO. 61M32 |                |                           |                 |              |
|   |                      | PLOT DATE = 12/29/2025 | DATE - 3/2022 |   | SCALE: N.T.S.   | SHEET OF SHEETS | STA.               | TO STA.        | ILLINOIS FED. AID PROJECT |                 |              |

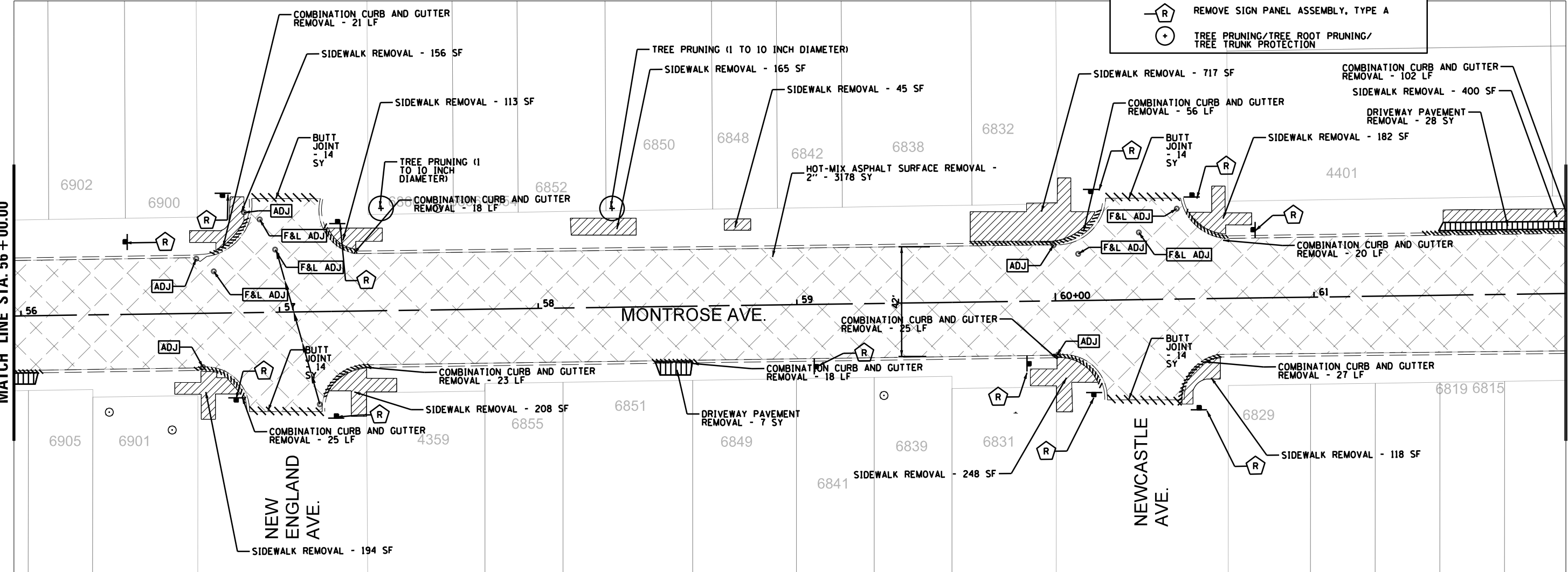
LEGEND:

- HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- COMBINATION CURB AND GUTTER REMOVAL
- BUTT JOINT
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- STORM SEWER REMOVAL 12"
- DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
- FRAMES AND LIDS TO BE ADJUSTED
- REMOVE SIGN PANEL ASSEMBLY, TYPE A
- TREE PRUNING/TREE ROOT PRUNING/ TREE TRUNK PROTECTION



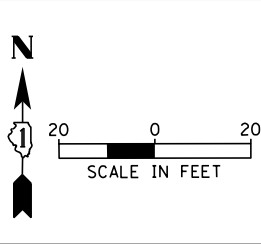
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| FILE NAME =<br>N:\HARWOODHEIGHTS\220164\Civil\rem01 - montrose.sht<br><br>Default | USER NAME = jhouseh   | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | EXISTING CONDITIONS AND REMOVAL PLAN  |  |  |  |  | F.A.U. RTE.        | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|   |                       | DRAWN - JEH    | REVISED - |   |   |  |  |  |  | 1366               | 22-00069-00-RS | COOK   | 41           | 9         |
|   | PLOT SCALE = 48'      | CHECKED - LMF  | REVISED - |   | SCALE:                      SHEET                      OF                      SHEETS   STA.                      TO STA. |  |  |  |  | CONTRACT NO. 61M32 |                |        |              |           |
|   | PLOT DATE = 1/21/2026 | DATE - 3/2022  | REVISED - |   |   |  |  |  |  |                    |                |        |              |           |
|   |                       |                |           |   | ILLINOIS FED. AID PROJECT   |  |  |  |  |                    |                |        |              |           |

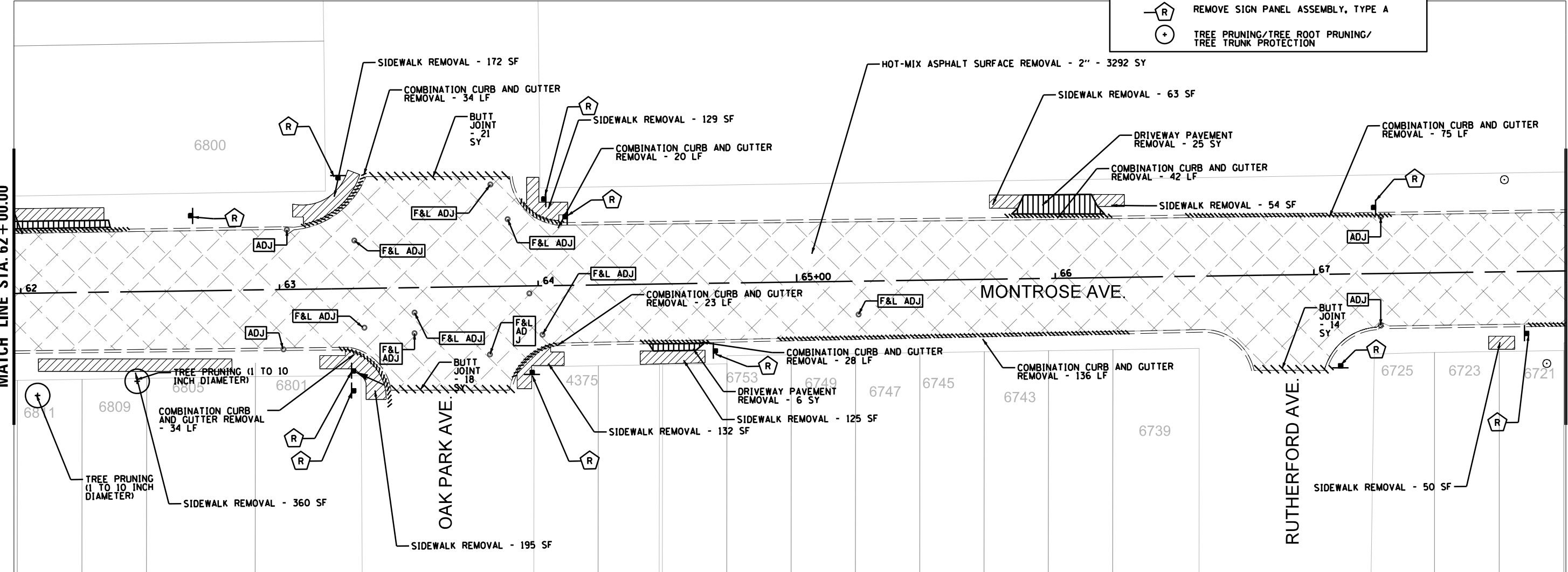




LEGEND:

- [Symbol] HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- [Symbol] COMBINATION CURB AND GUTTER REMOVAL
- [Symbol] BUTT JOINT
- [Symbol] SIDEWALK REMOVAL
- [Symbol] DRIVEWAY PAVEMENT REMOVAL
- [Symbol] STORM SEWER REMOVAL 12"
- [Symbol] DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
- [Symbol] FRAMES AND LIDS TO BE ADJUSTED
- [Symbol] REMOVE SIGN PANEL ASSEMBLY, TYPE A
- [Symbol] TREE PRUNING/TREE ROOT PRUNING/TREE TRUNK PROTECTION





**LEGEND:**

- HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- COMBINATION CURB AND GUTTER REMOVAL
- BUTT JOINT
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- STORM SEWER REMOVAL 12"
- DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
- FRAMES AND LIDS TO BE ADJUSTED
- REMOVE SIGN PANEL ASSEMBLY, TYPE A
- TREE PRUNING/TREE ROOT PRUNING/TREE TRUNK PROTECTION


**N**

20 0 20

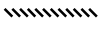
SCALE IN FEET

|  |                       |                |           |   |                                      |       |    |        |                |                |        |                           |              |
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| FILE NAME =                            | USER NAME = jhouseh   | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | EXISTING CONDITIONS AND REMOVAL PLAN |       |    |        | F.A.U.<br>RTE. | SECTION        | COUNTY | TOTAL<br>SHEETS           | SHEET<br>NO. |
| N:\HARWOODHEIGHTS\220164\Civil\rem03 - | montrose.sht          | DRAWN - JEH    | REVISED - |   |                                      |       |    |        | 1366           | 22-00069-00-R5 | COOK   | 41                        | 11           |
|  | PLOT SCALE = 48'      | CHECKED - LMF  | REVISED - |   | CONTRACT NO. 61M32                   |       |    |        |                |                |        |                           |              |
| Default                                | PLOT DATE = 1/21/2026 | DATE - 3/2022  | REVISED - |   | SCALE:                               | SHEET | OF | SHEETS | STA.           | TO             | STA.   | ILLINOIS FED. AID PROJECT |              |


LEGEND:



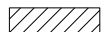
HOT-MIX ASPHALT SURFACE REMOVAL - 2"




COMBINATION CURB AND GUTTER REMOVAL




BUTT JOINT



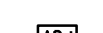
SIDEWALK REMOVAL



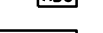
DRIVEWAY PAVEMENT REMOVAL



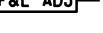
STORM SEWER REMOVAL 12"



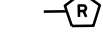
DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)



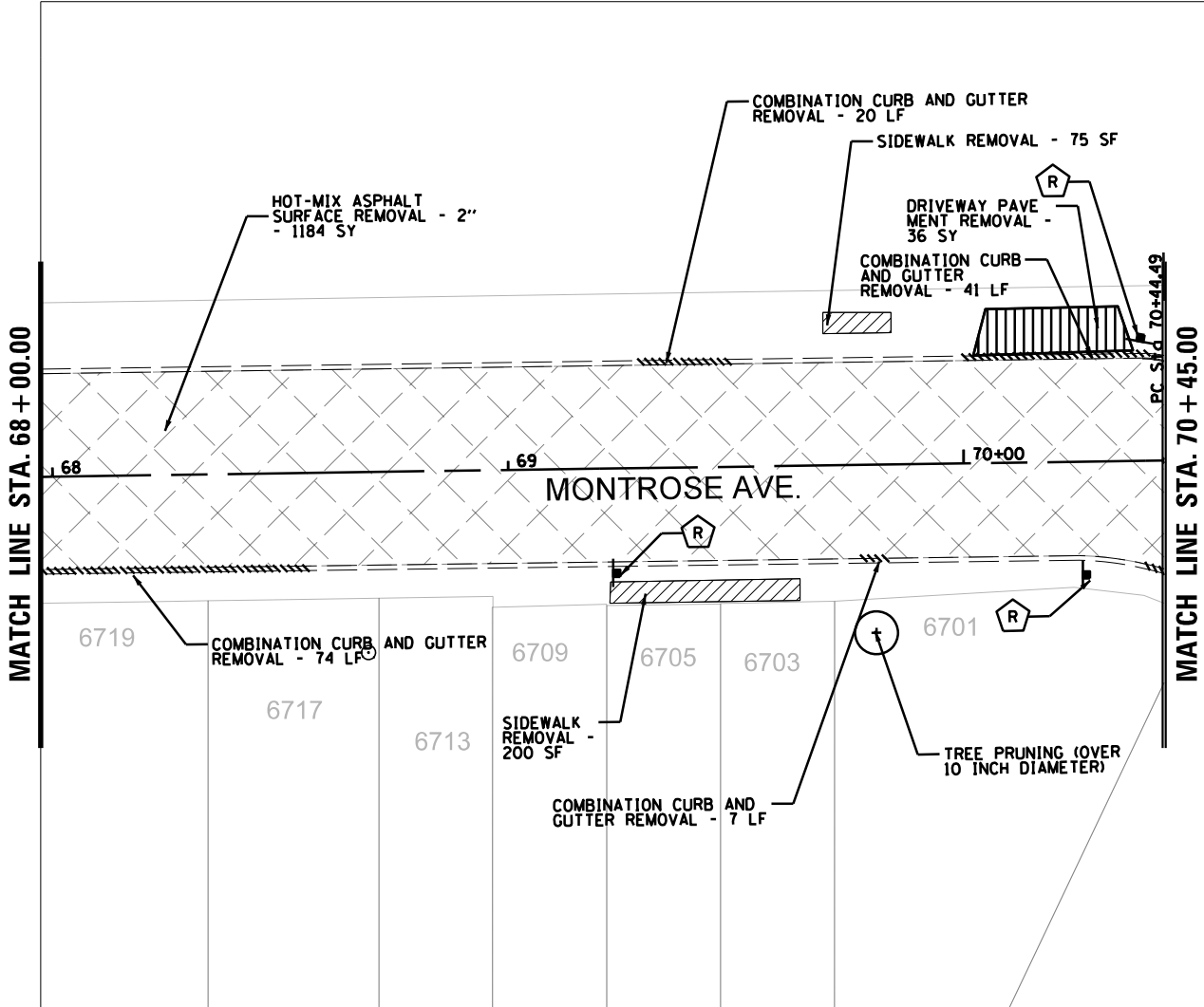
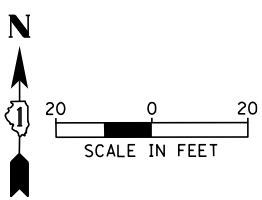
FRAMES AND LIDS TO BE ADJUSTED



REMOVE SIGN PANEL ASSEMBLY, TYPE A



TREE PRUNING/TREE ROOT PRUNING/  
TREE TRUNK PROTECTION

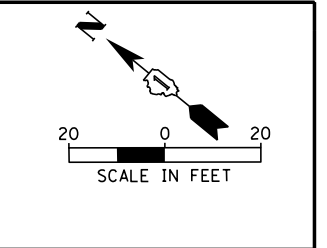


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| FILE NAME =<br>N:\HARWOODHEIGHTS\220164\Civil\rem04 -<br>Default | USER NAME = jhouseh   | DESIGNED - JEH | REVISED - |
|  | montrose.sht          | DRAWN - JEH    | REVISED - |
|  | PLOT SCALE = 40'      | CHECKED - LMF  | REVISED - |
|  | PLOT DATE = 1/21/2026 | DATE - 3/2022  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| EXISTING CONDITIONS AND REMOVAL PLAN |       |         |        |
|--------------------------------------|-------|---------|--------|
| SCALE:                               | SHEET | OF      | SHEETS |
| STA.                                 |       | TO STA. |        |

| F.A.U.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|----------------|--------|-----------------|--------------|
| 1366                      | 22-00069-00-R5 | COOK   | 41              | 12           |
| CONTRACT NO. 61M32        |                |        |                 |              |
| ILLINOIS FED. AID PROJECT |                |        |                 |              |



LEGEND:

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL

DETECTABLE WARNINGS

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

2" PAVEMENT RESURFACING  
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"  
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"

CLASS D PATCHES

STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"

CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID

HMA DRIVEWAY PAVEMENT, 3"

PCC DRIVEWAY PAVEMENT, 7 INCH

SODDING, SALT TOLERANT

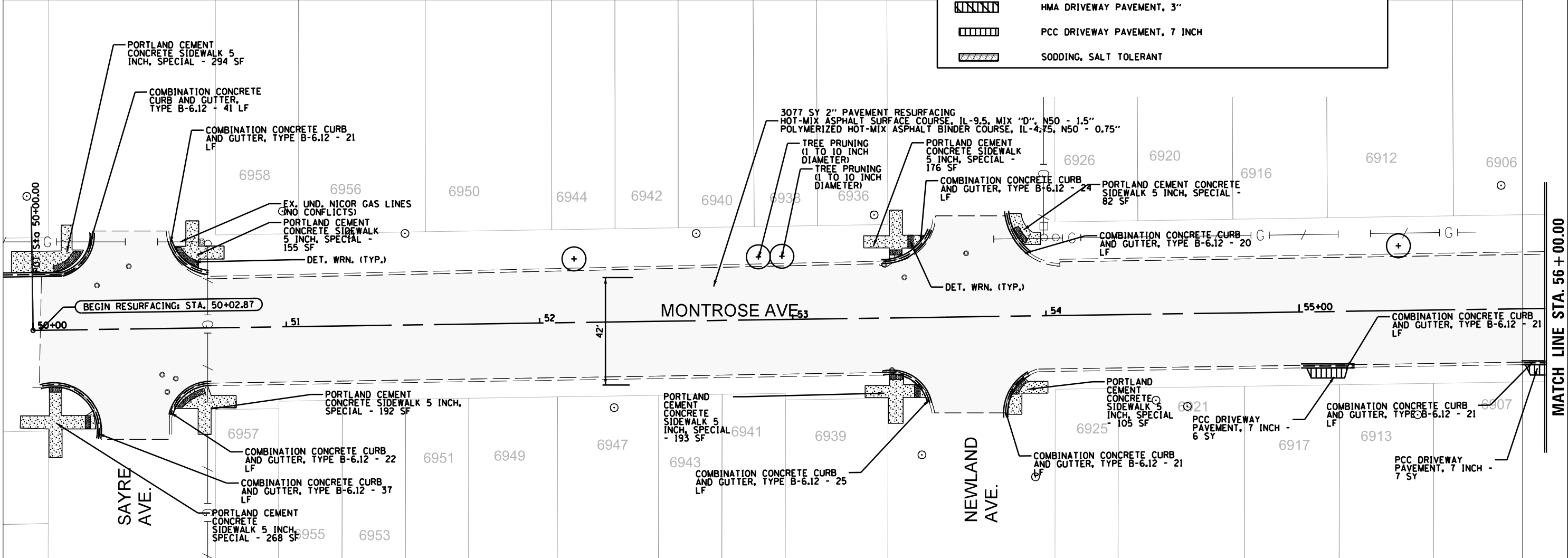
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SCALE IN FEET

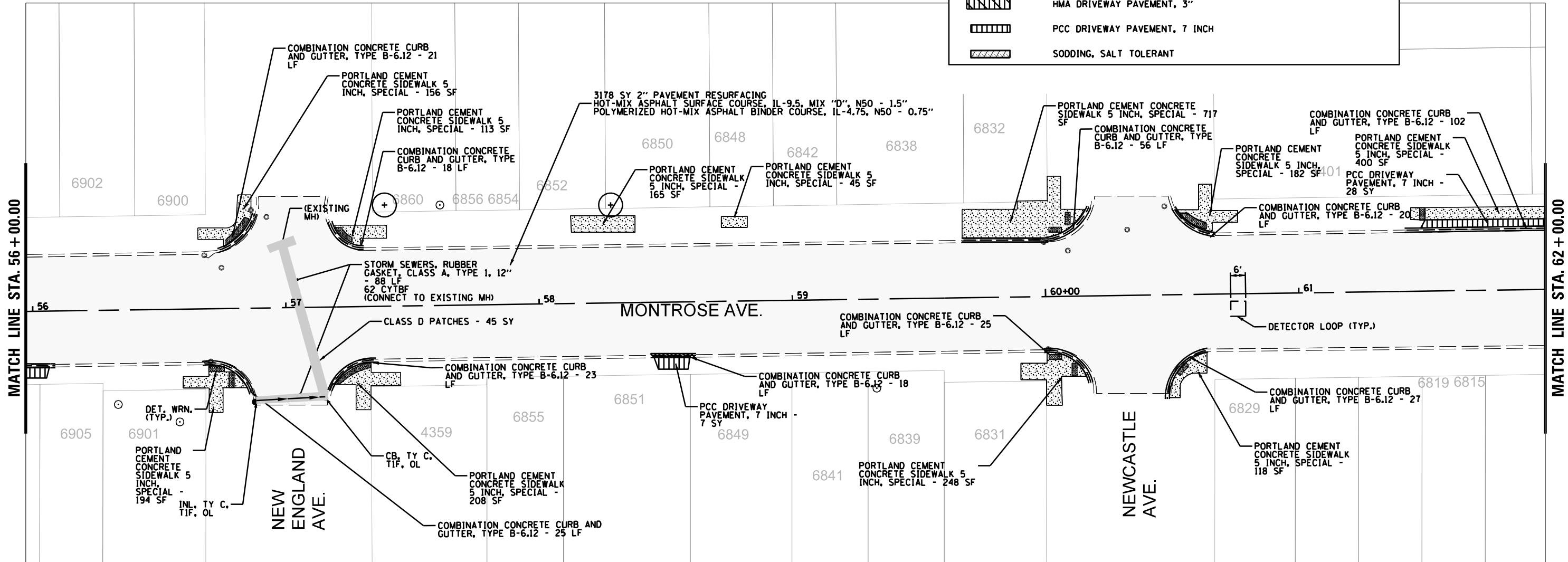
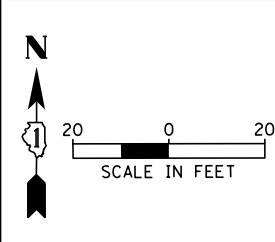


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| FILE NAME =<br>N:\HARWOODHEIGHTS\220164\Civil\pro01 - montrose.sht<br><br>Default | USER NAME = jhouseh | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PROPOSED RESURFACING PLAN |       |    |        | F.A.U. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|   |                     | DRAWN - JEH    | REVISED - |   |                           |       |    |        | 1366                      | 22-00069-00-RS | COOK   | 41           | 14        |
|   |                     | CHECKED - LMF  | REVISED - |   |                           |       |    |        | CONTRACT NO. 61M32        |                |        |              |           |
|   |                     | DATE - 3/2022  | REVISED - |   |                           |       |    |        | ILLINOIS FED. AID PROJECT |                |        |              |           |
|   |                     |                |           | SCALE:  |                           | SHEET | OF | SHEETS | STA.                      | TO STA.        |        |              |           |



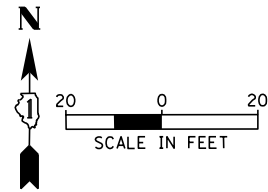
LEGEND:

- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 2" PAVEMENT RESURFACING  
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"  
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"
- CLASS D PATCHES
- STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"
- CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID
- HMA DRIVEWAY PAVEMENT, 3"
- PCC DRIVEWAY PAVEMENT, 7 INCH
- SODDING, SALT TOLERANT



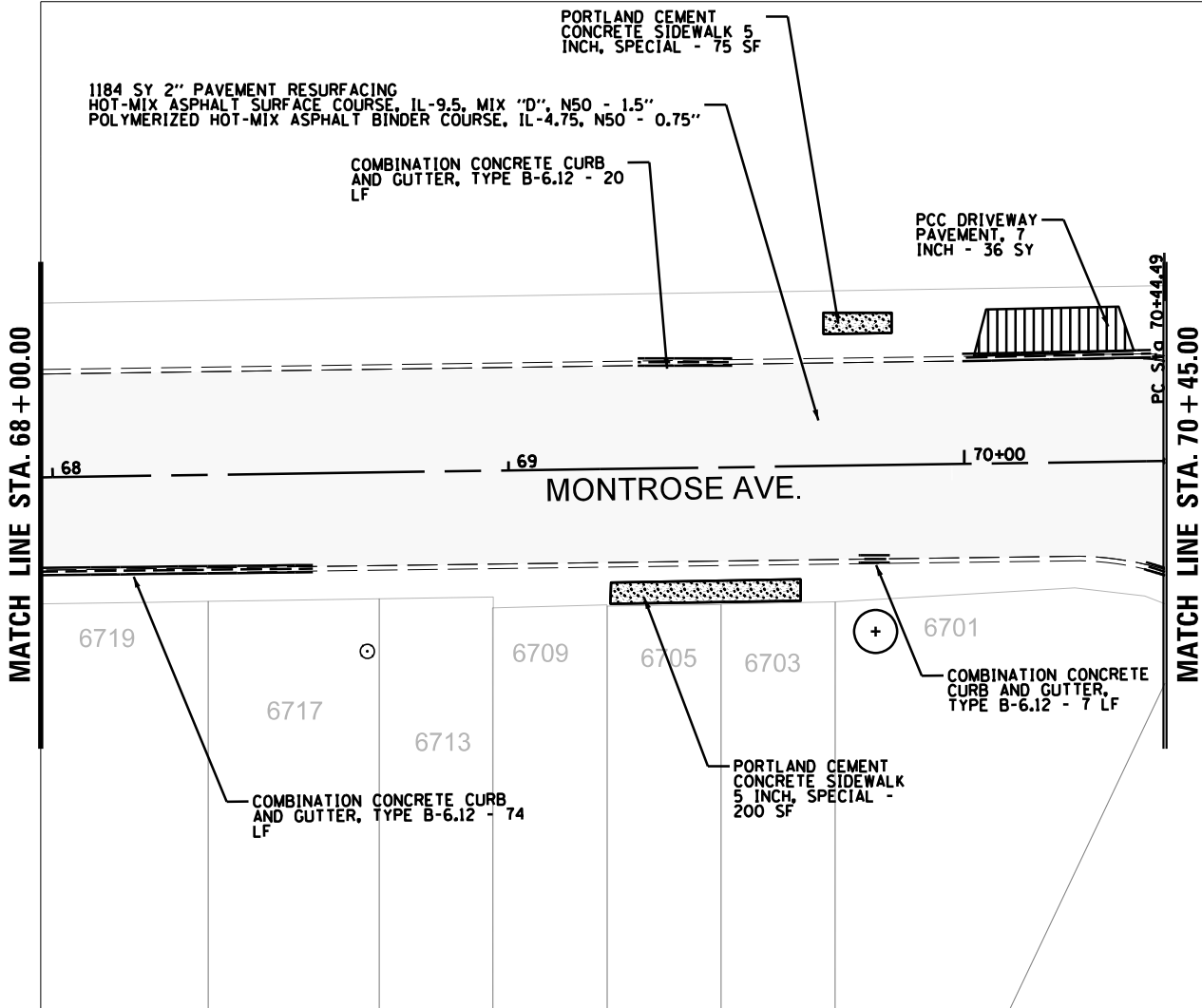
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|  | montrose.sht          | DRAWN - JEH    | REVISED - |   |                           |       |    |        | 1366               | 22-00069-00-R5 | COOK                      | 41           | 15        |
|  | PLOT SCALE = 48'      | CHECKED - LMF  | REVISED - |   |                           |       |    |        | CONTRACT NO. 61M32 |                |                           |              |           |
|  | PLOT DATE = 1/21/2026 | DATE - 3/2022  | REVISED - |   | SCALE:                    | SHEET | OF | SHEETS | STA.               | TO STA.        | ILLINOIS FED. AID PROJECT |              |           |



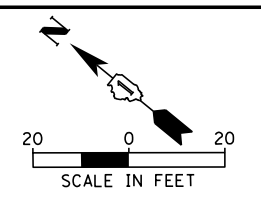


LEGEND:

- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 2" PAVEMENT RESURFACING  
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"  
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"
- CLASS D PATCHES
- STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"
- CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID
- HMA DRIVEWAY PAVEMENT, 3"
- PCC DRIVEWAY PAVEMENT, 7 INCH
- SODDING, SALT TOLERANT

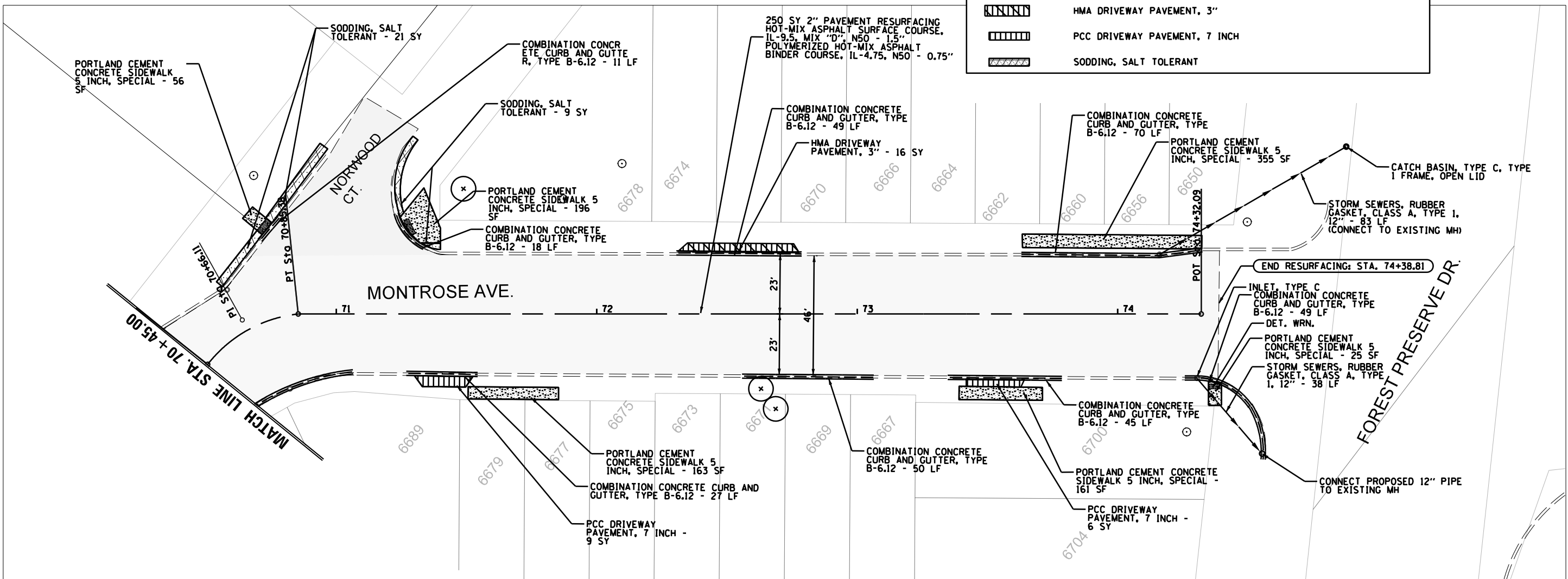


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| FILE NAME =<br>N:\HARWOODHEIGHTS\220164\Civil\pro04 -<br>Default | USER NAME = jhouseh   | DESIGNED - JEH | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PROPOSED RESURFACING PLAN |    |        |      | F.A.U.<br>RTE. | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|  | montrose.sht          | DRAWN - JEH    | REVISED - |   |                           |    |        |      | 1366           | 22-00069-00-R5 | COOK   | 41              | 17           |
|  | PLOT SCALE = 48'      | CHECKED - LMF  | REVISED - |   | CONTRACT NO. 61M32        |    |        |      |                |                |        |                 |              |
|  | PLOT DATE = 1/21/2026 | DATE - 3/2022  | REVISED - |   | ILLINOIS FED. AID PROJECT |    |        |      |                |                |        |                 |              |
|  |                       |                |           | SCALE:  | SHEET                     | OF | SHEETS | STA. | TO STA.        |                |        |                 |              |

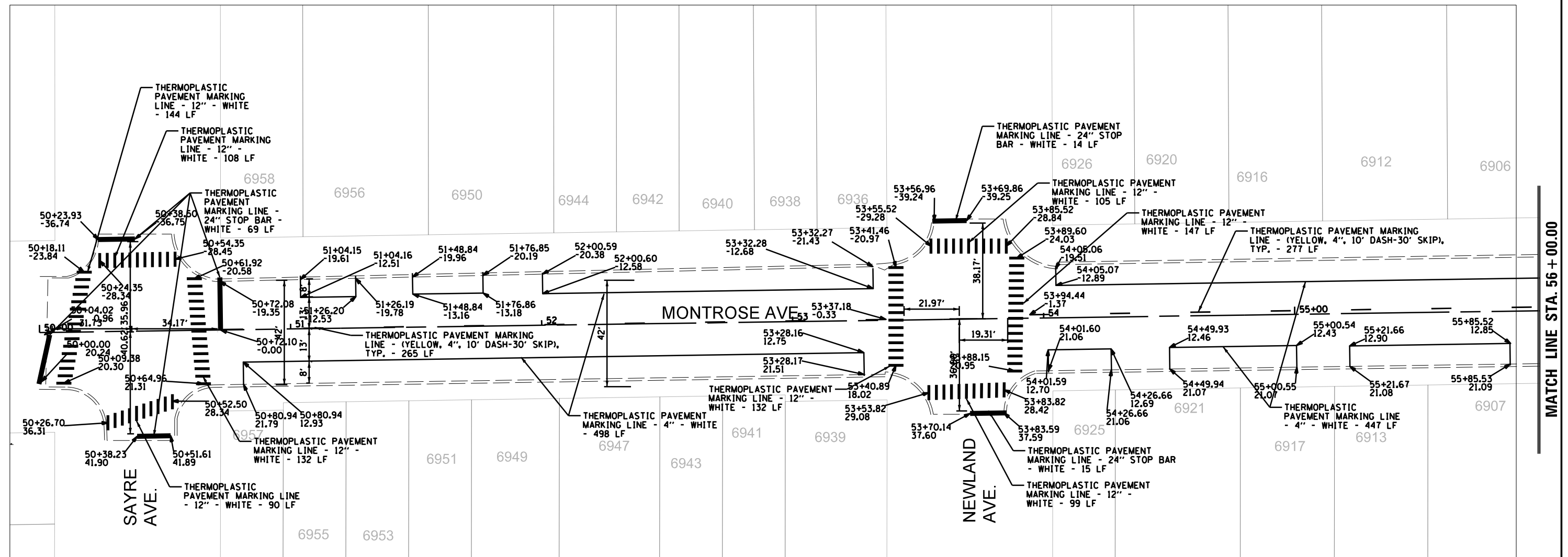
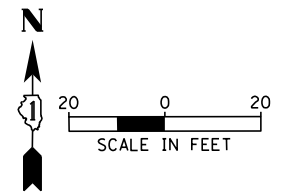


**LEGEND:**

- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 2" PAVEMENT RESURFACING  
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"  
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"
- CLASS D PATCHES
- STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"
- CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID
- HMA DRIVEWAY PAVEMENT, 3"
- PCC DRIVEWAY PAVEMENT, 7 INCH
- SODDING, SALT TOLERANT

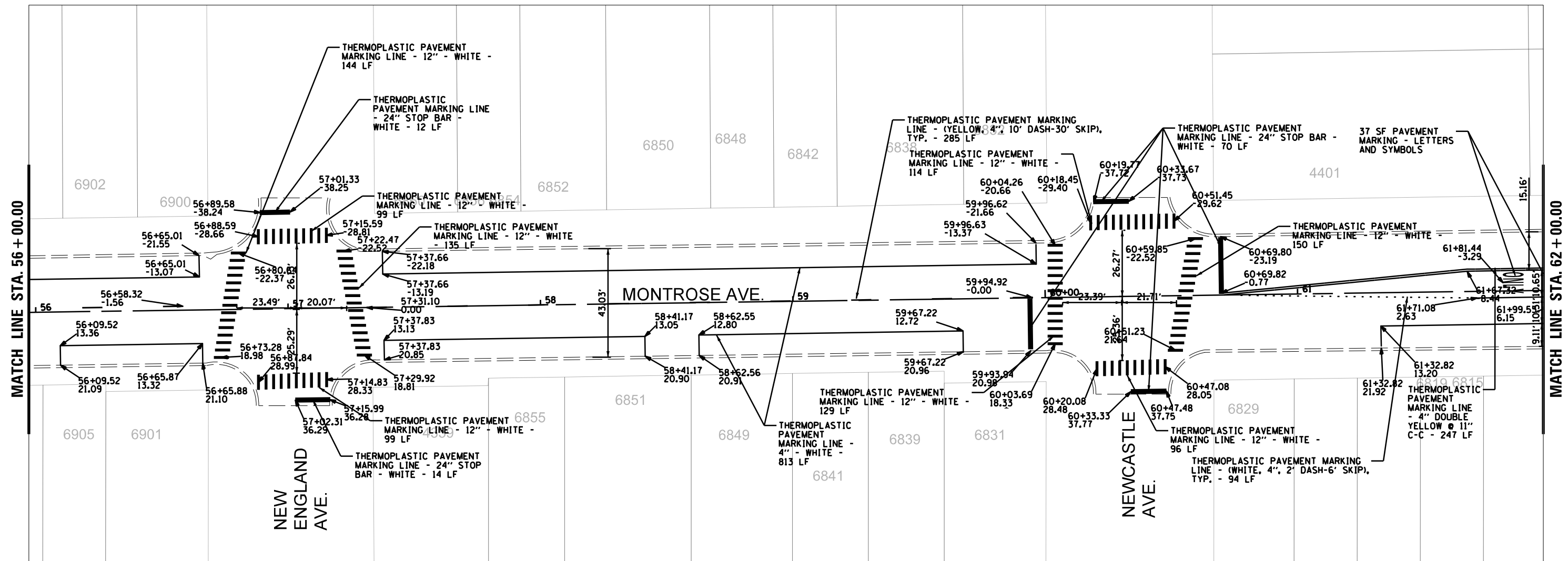
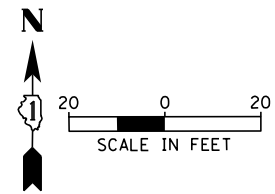


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| N:\HARWOODHEIGHTS\220164\Civil\pro05 - |  | montrose.sht          | DRAWN - JEH    | REVISED - |   |                           |  | 1366                         | 22-00069-00-R5 | COOK   | 41           | 18        |
| Default                                |  | PLOT SCALE = 48"      | CHECKED - LMF  | REVISED - |   | SCALE:                    |  | SHEET OF SHEETS STA. TO STA. |                |        |              |           |
|  |  | PLOT DATE = 1/21/2026 | DATE - 3/2022  | REVISED - |   |                           |  | ILLINOIS FED. AID PROJECT    |                |        |              |           |

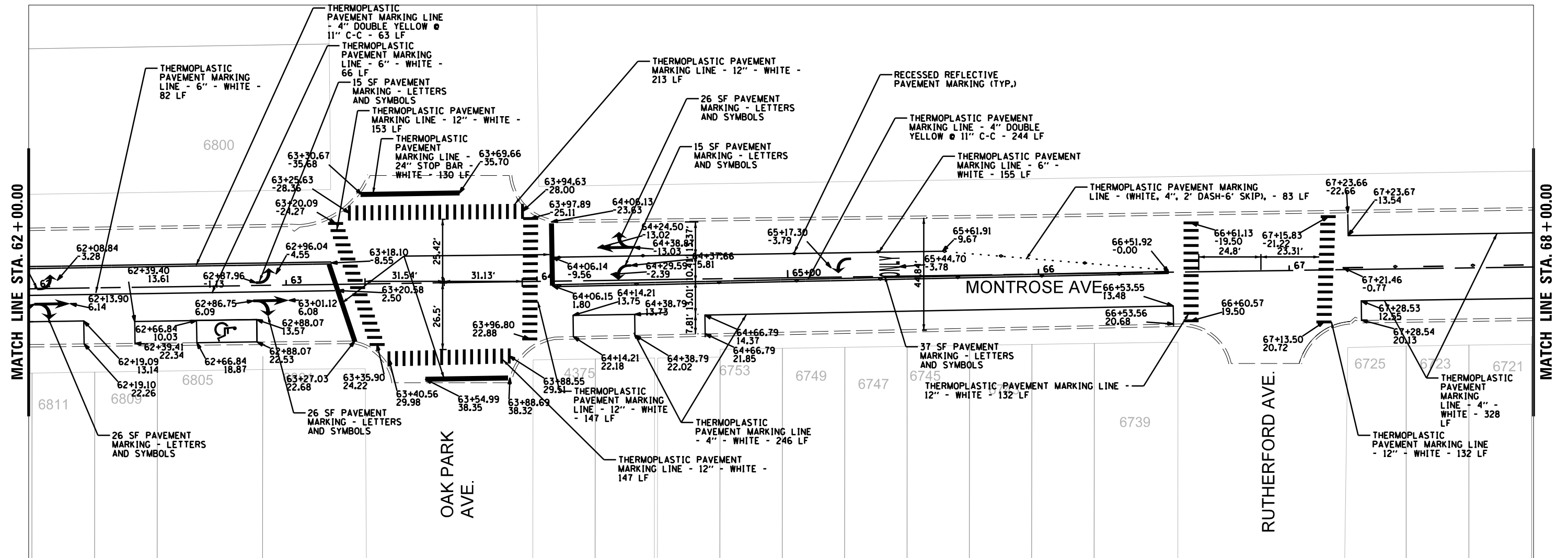
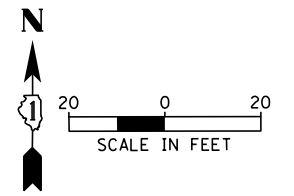


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|  |  | DRAWN - JEH    | REVISED - |   |                       |       |    |        | 1366                      | 22-00069-00-R5 | COOK   | 41              | 19           |
|  |  | CHECKED - LMF  | REVISED - |   | CONTRACT NO. 61M32    |       |    |        | ILLINOIS FED. AID PROJECT |                |        |                 |              |
|  |  | DATE - 3/2022  | REVISED - |   | SCALE:                | SHEET | OF | SHEETS | STA.                      | TO             | STA.   |                 |              |

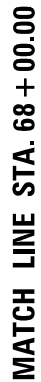




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| N:\HARWOODHEIGHTS\220164\Civil\pkm02 - | montrose.sht           | DRAWN - JEH    | REVISED - |   |                       | 1366               | 22-00069-00-R5 | COOK   | 41              | 20           |
| Default                                | PLOT SCALE = 40"       | CHECKED - LMF  | REVISED - |   |                       | CONTRACT NO. 61M32 |                |        |                 |              |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   |                       | SCALE:             | SHEET          | OF     | SHEETS          | STA.         |



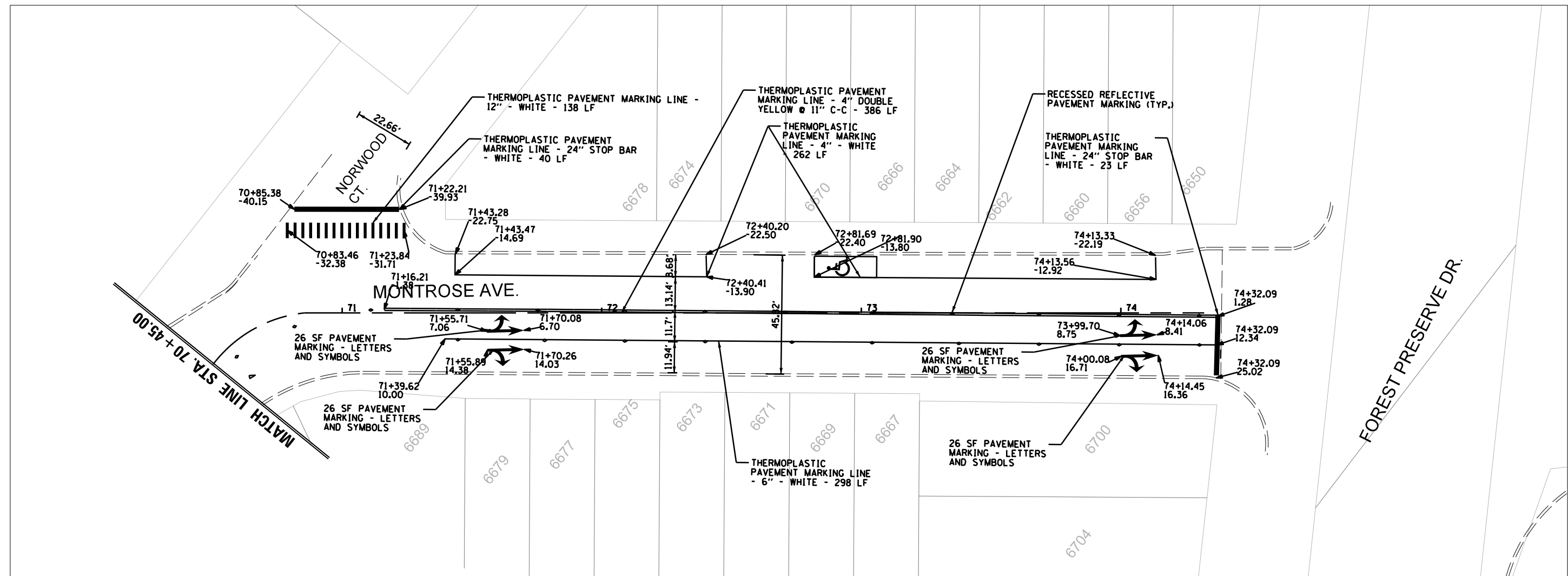
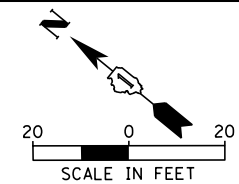
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|  |                        | DRAWN - JEH    | REVISED - |   |                       |       |    |        | 1366               | 22-00069-00-R5 | COOK   | 41                        | 21           |
|  | PLOT SCALE = 40"       | CHECKED - LMF  | REVISED - |   |                       |       |    |        | CONTRACT NO. 61M32 |                |        |                           |              |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | SCALE:                | SHEET | OF | SHEETS | STA.               | TO             | STA.   | ILLINOIS FED. AID PROJECT |              |



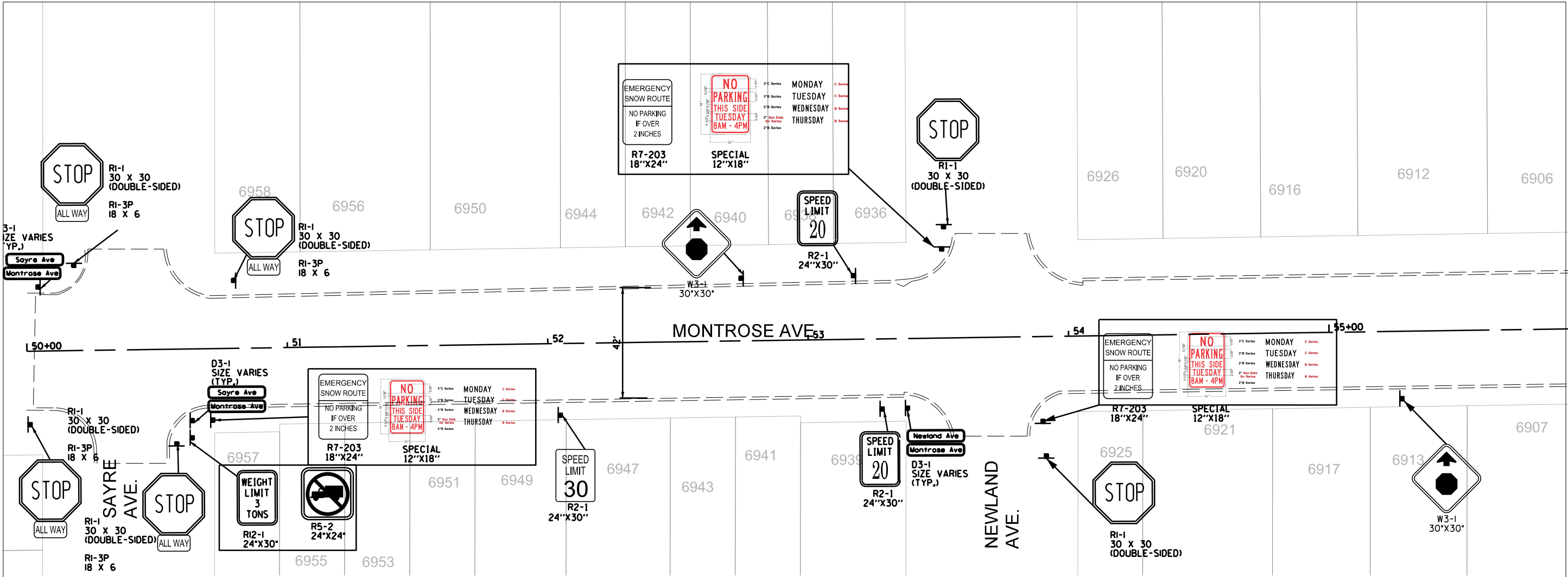
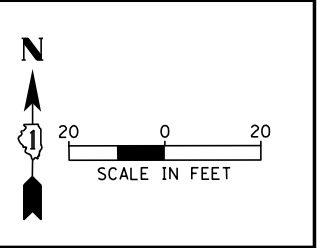
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| PAVEMENT MARKING PLAN |       |    |        |              |
|-----------------------|-------|----|--------|--------------|
| SCALE:                | SHEET | OF | SHEETS | STA. TO STA. |

|                |                |                           |                 |              |
|----------------|----------------|---------------------------|-----------------|--------------|
| F.A.U.<br>RTE. | SECTION        | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1366           | 22-00069-00-RS | COOK                      | 41              | 22           |
|                |                | <b>CONTRACT NO. 61M32</b> |                 |              |
|                |                | ILLINOIS FED. AID PROJECT |                 |              |



|  |                        |                |           |   |                       |       |    |        |                    |                |                           |                 |              |
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|  | montrose.sht           | DRAWN - JEH    | REVISED - |   |                       |       |    |        | 1366               | 22-00069-00-R5 | COOK                      | 41              | 23           |
|  | PLOT SCALE = 40"       | CHECKED - LMF  | REVISED - |   |                       |       |    |        | CONTRACT NO. 61M32 |                |                           |                 |              |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | SCALE:                | SHEET | OF | SHEETS | STA.               | TO STA.        | ILLINOIS FED. AID PROJECT |                 |              |



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|--|------------------------|----------------|-----------|
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| Default  | PLOT SCALE = 48"       | CHECKED - LMF  | REVISED - |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |

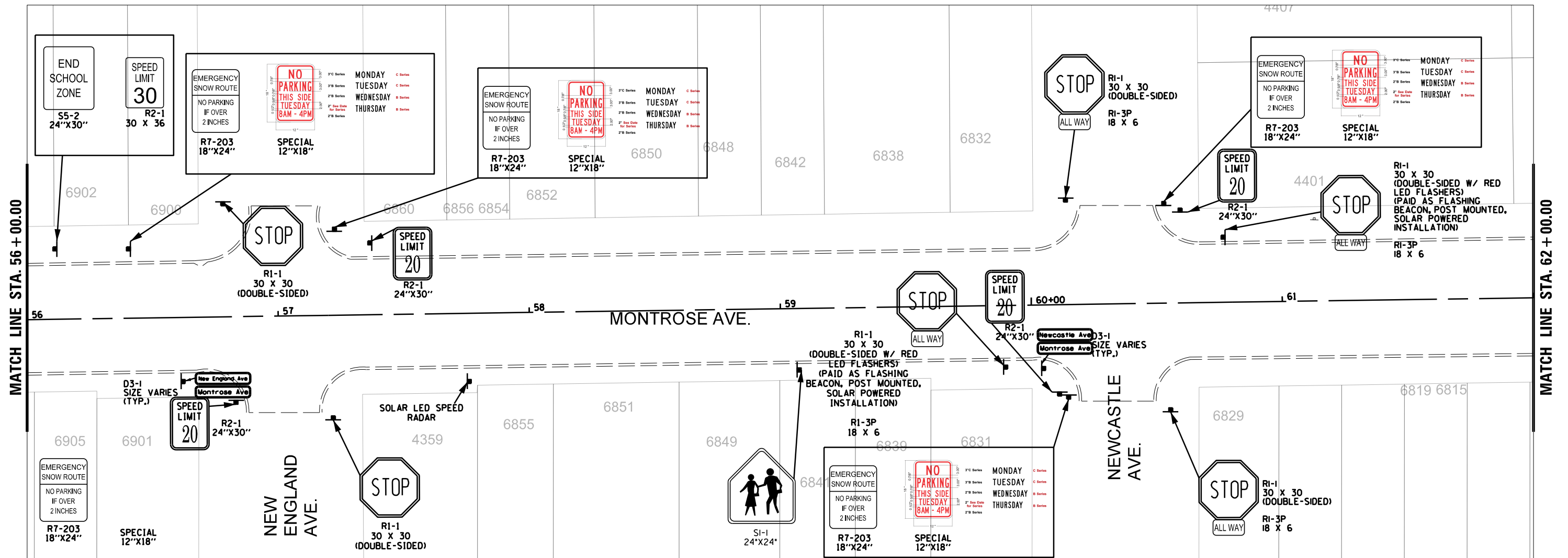
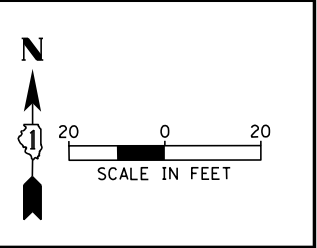
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAGE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1366                      | 22-00069-00-R5 | COOK   | 41           | 24        |
| CONTRACT NO. 61M32        |                |        |              |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |





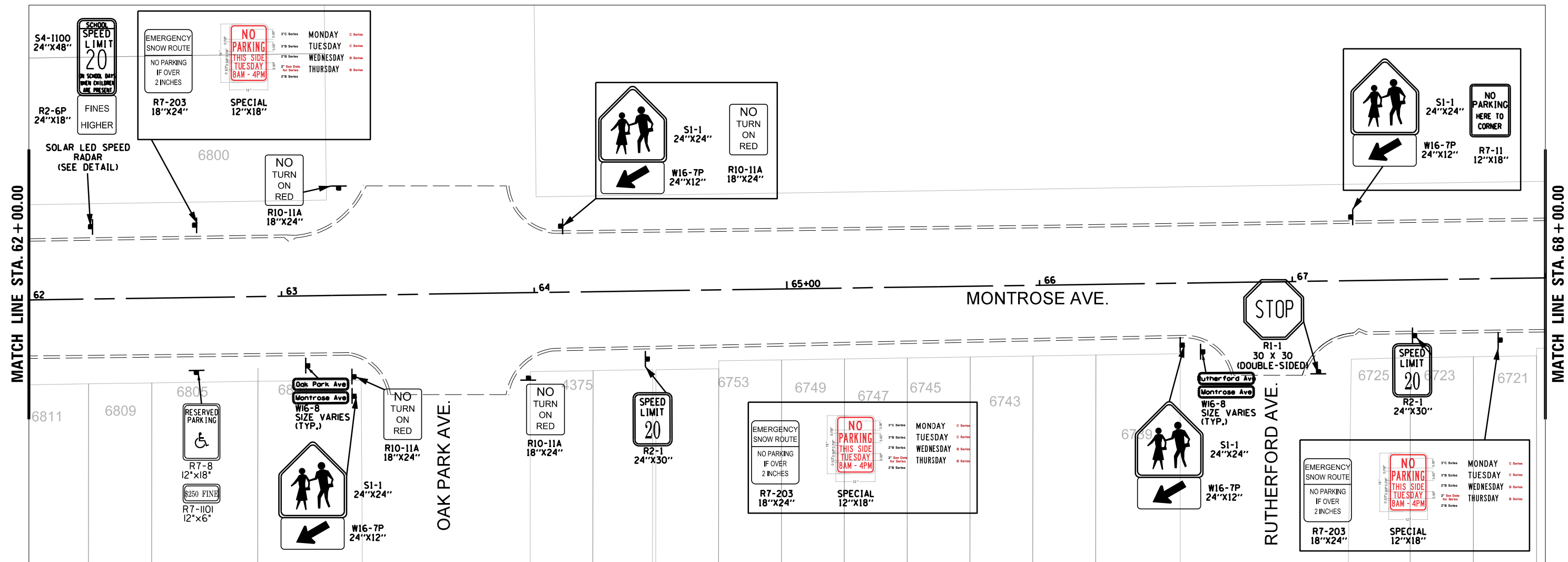
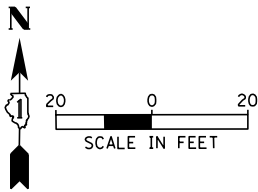
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| Default                                | PLOT SCALE = 48"       | CHECKED - LMF  | REVISED - |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

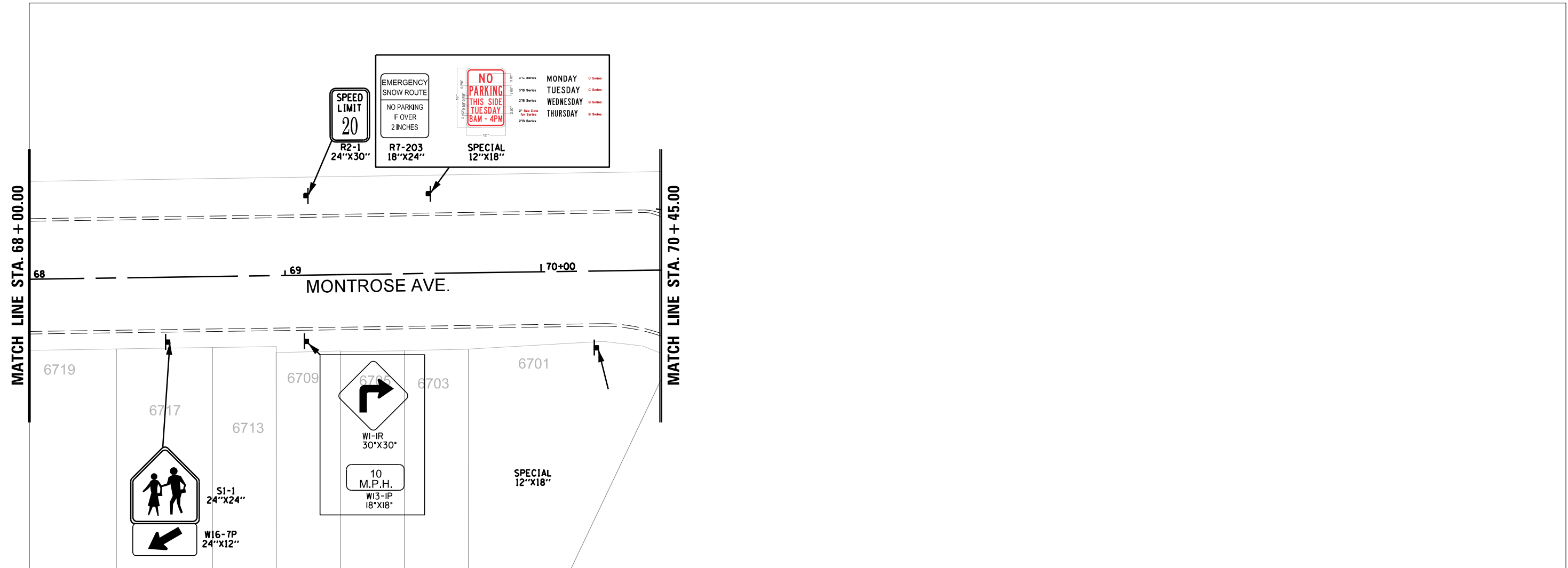
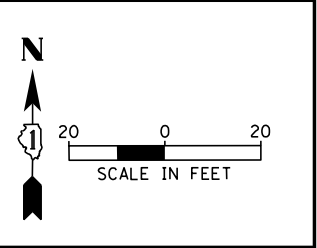
PROPOSED SIGNAGE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

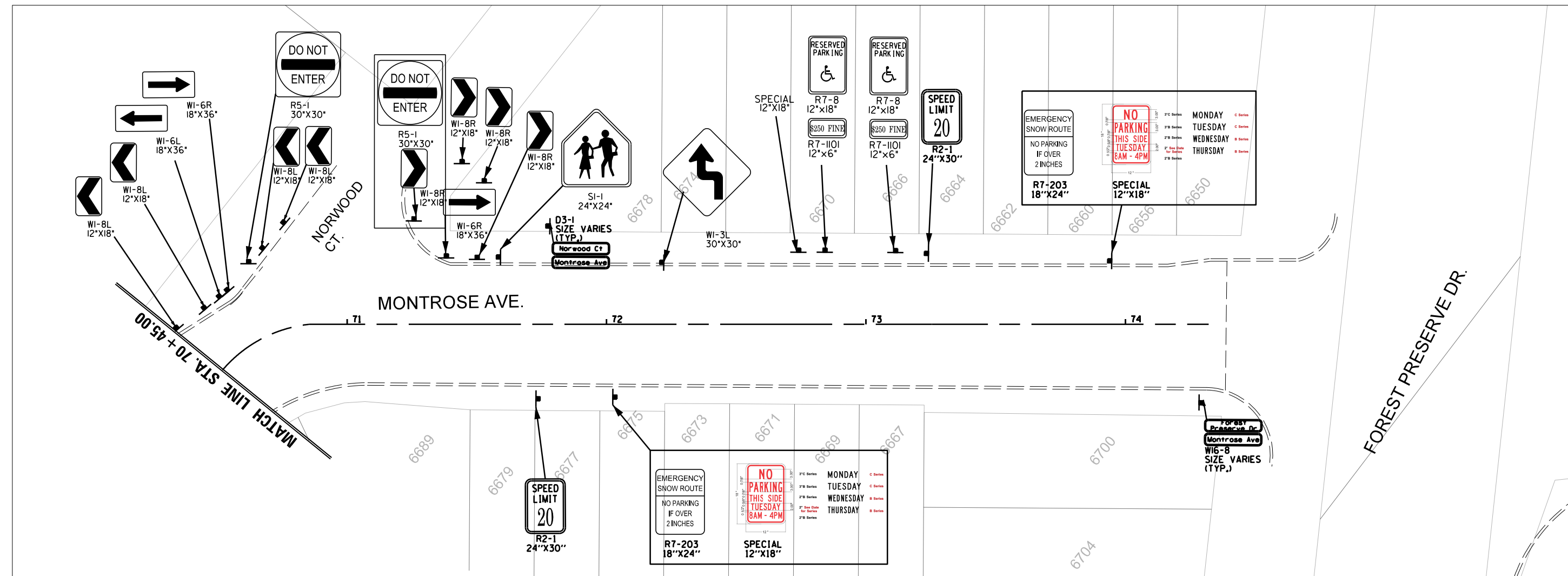
| F.A.U. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1366                      | 22-00069-00-R5 | COOK   | 41           | 25        |
| CONTRACT NO. 61M32        |                |        |              |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



|  |                        |                |           |   |                           |    |        |      |                |                |        |                 |              |
|--|------------------------|----------------|-----------|---|---------------------------|----|--------|------|----------------|----------------|--------|-----------------|--------------|
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|  | montrose.sht           | DRAWN - JEH    | REVISED - |   |                           |    |        |      | 1366           | 22-00069-00-RS | COOK   | 41              | 26           |
|  | PLOT SCALE = 48'       | CHECKED - LMF  | REVISED - |   | CONTRACT NO. 61M32        |    |        |      |                |                |        |                 |              |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | ILLINOIS FED. AID PROJECT |    |        |      |                |                |        |                 |              |
|  |                        |                |           | SCALE:  | SHEET                     | OF | SHEETS | STA. | TO             | STA.           |        |                 |              |

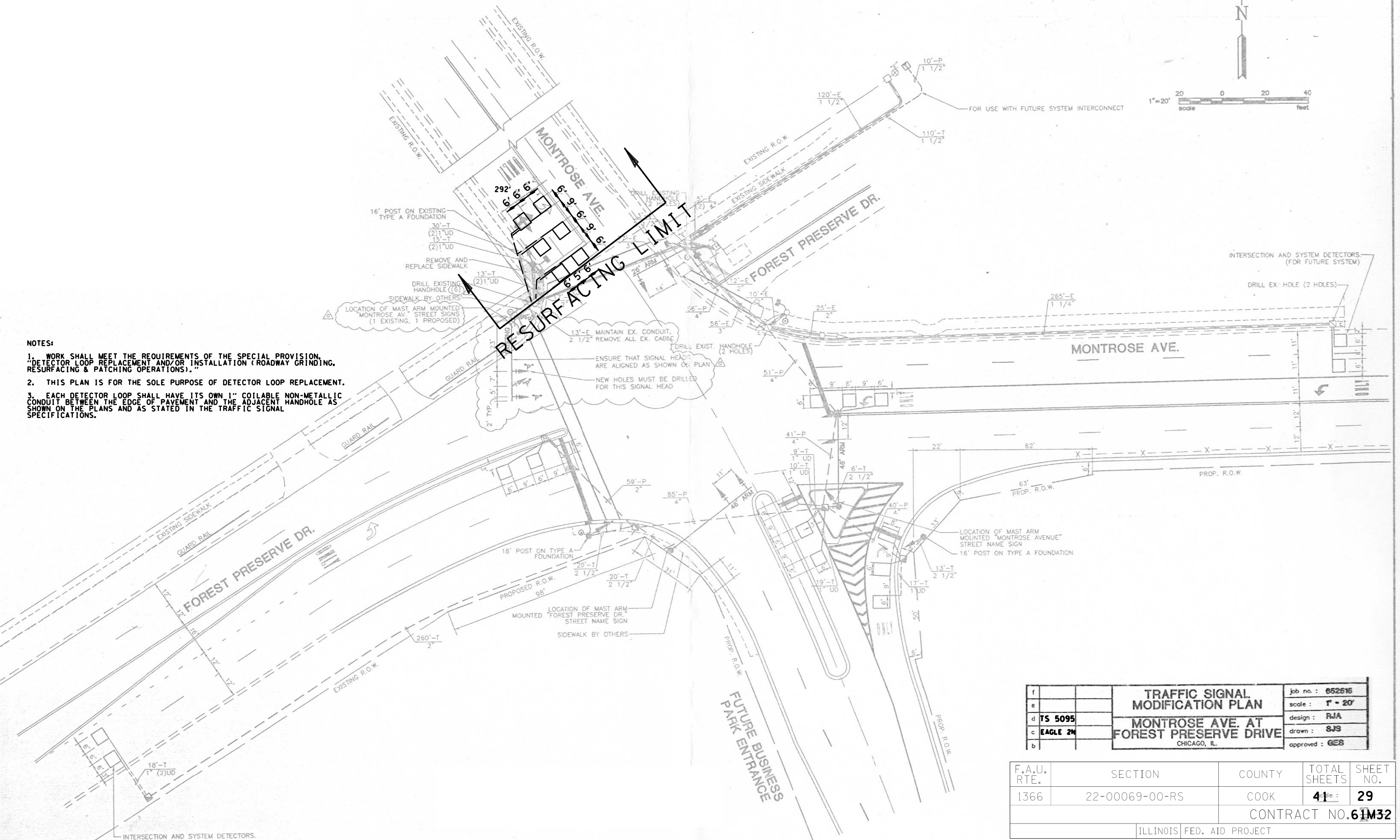


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|  | montrose.sht           | DRAWN - JEH    | REVISED - |   |                       |       | 1366               | 22-00069-00-R5 | COOK   | 41              | 27                        |
|  | PLOT SCALE = 48"       | CHECKED - LMF  | REVISED - |   |                       |       | CONTRACT NO. 61M32 |                |        |                 |                           |
|  | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |   | SCALE:                | SHEET | OF                 | SHEETS         | STA.   | TO STA.         | ILLINOIS FED. AID PROJECT |



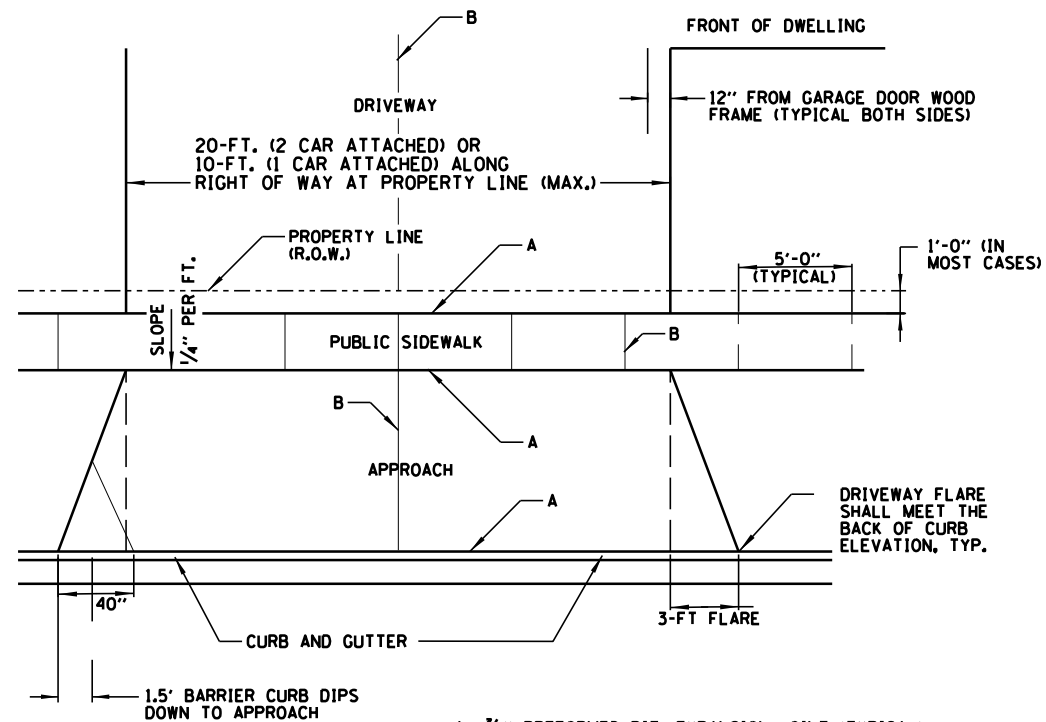
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| N:\HARWOODHEIGHTS\220164\Civil\sgn05 - montrose.sht | DRAWN - JEH            | REVISED -      | 1366               |   |                       | 22-00069-00-R5 | COOK    | 41     | 28              |              |
| PLOT SCALE = 40'                                    | CHECKED - LMF          | REVISED -      | CONTRACT NO. 61M32 |   |                       |                |         |        |                 |              |
| Default   | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED -          |   |                       | SCALE:         | SHEET   | OF     | SHEETS          | STA.         |
|   |                        |                |                    | ILLINOIS FED. AID PROJECT                         |                       |                |         |        |                 |              |

| CODE     | ITEM                      | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| X8860105 | DETECTOR LOOP REPLACEMENT | 292      | FOOT |



|            |          |
|------------|----------|
| job no. :  | 052516   |
| scale :    | 1" = 20' |
| design :   | RJA      |
| drawn :    | 8JS      |
| approved : | GES      |

|                |                |          |                           |                 |              |
|----------------|----------------|----------|---------------------------|-----------------|--------------|
| F.A.U.<br>RTE. | SECTION        |          | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1366           | 22-00069-00-RS |          | COOK                      | <b>41</b>       | <b>29</b>    |
|                |                |          | CONTRACT NO. <b>61M32</b> |                 |              |
|                |                | ILLINOIS | FED. AID PROJECT          |                 |              |

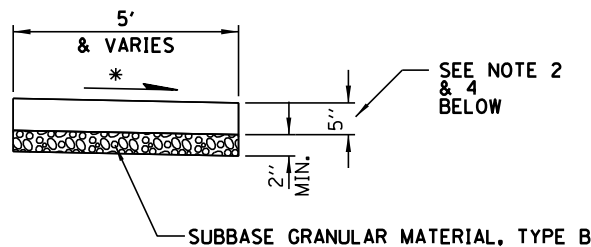


A= 3/4" PREFORMED BIT, EXPANSION JOINT (TYPICAL)  
B= TOLLED OR SAWED CONTRACTION JOINTS

DRIVEWAY WITH A CURB AND GUTTER

GENERAL NOTES:

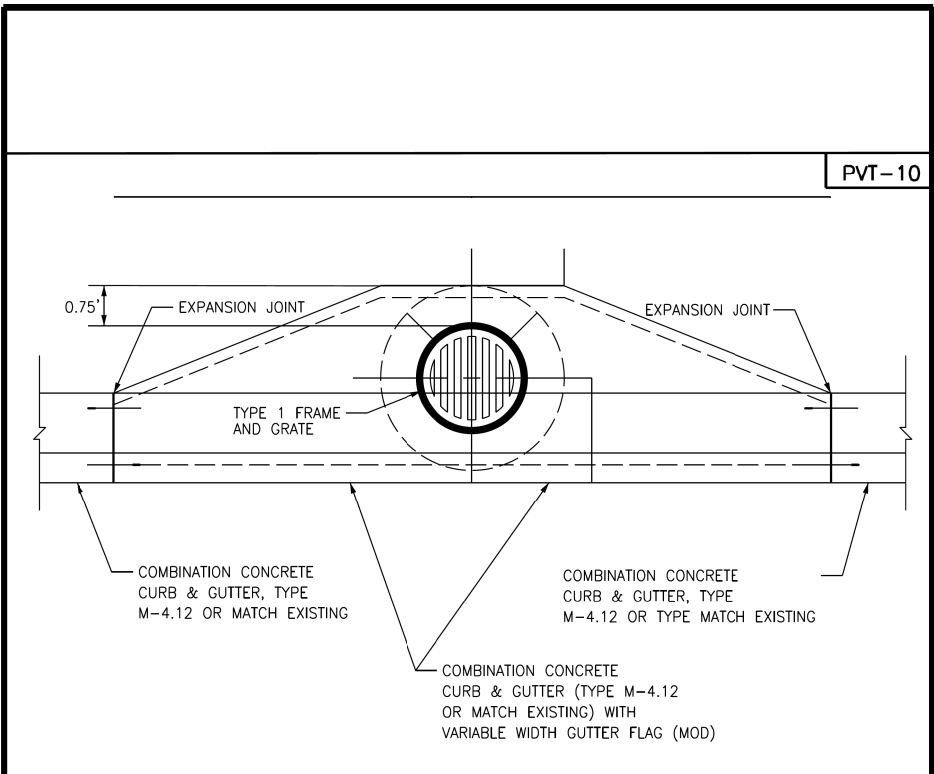
1. DRIVEWAY SHALL HAVE A MIN. SLOPE OF 2% AND MAX. SLOPE OF 6%.
2. APPROACH SHALL HAVE A MIN. SLOPE OF 2% AND MAX. OF 6%.
3. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED, (95% PROCTOR)
4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS. (NO WIRE MESH)
5. MINIMUM THICKNESS FOR APPROACH. (NO WIRE MESH). THIS WILL BE PAID FOR BY THE FOLLOWING ITEMS:
  - A. 7" THK. P.C. CONCRETE ON 2" AGGREGATE BASE COURSE TYPE B OR
  - B. 3" THK. HOT-MIX ASPHALT SURFACE, MIX "D" N50 ON 6" AGGREGATE BASE COURSE TYPE B
6. SODDING, SALT TOLERANT RESTORATION SHALL BE PAID SEPARATELY.



- CROSS SLOPE 2% OR AS SHOWN ON CROSS SECTIONS

1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.
2. WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFIELD WITHIN 24 HOURS.
3. SODDING, SALT TOLERANT RESTORATION WILL BE PAID FOR SEPARATELY.
4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS.

P.C.C. SIDEWALK DETAIL

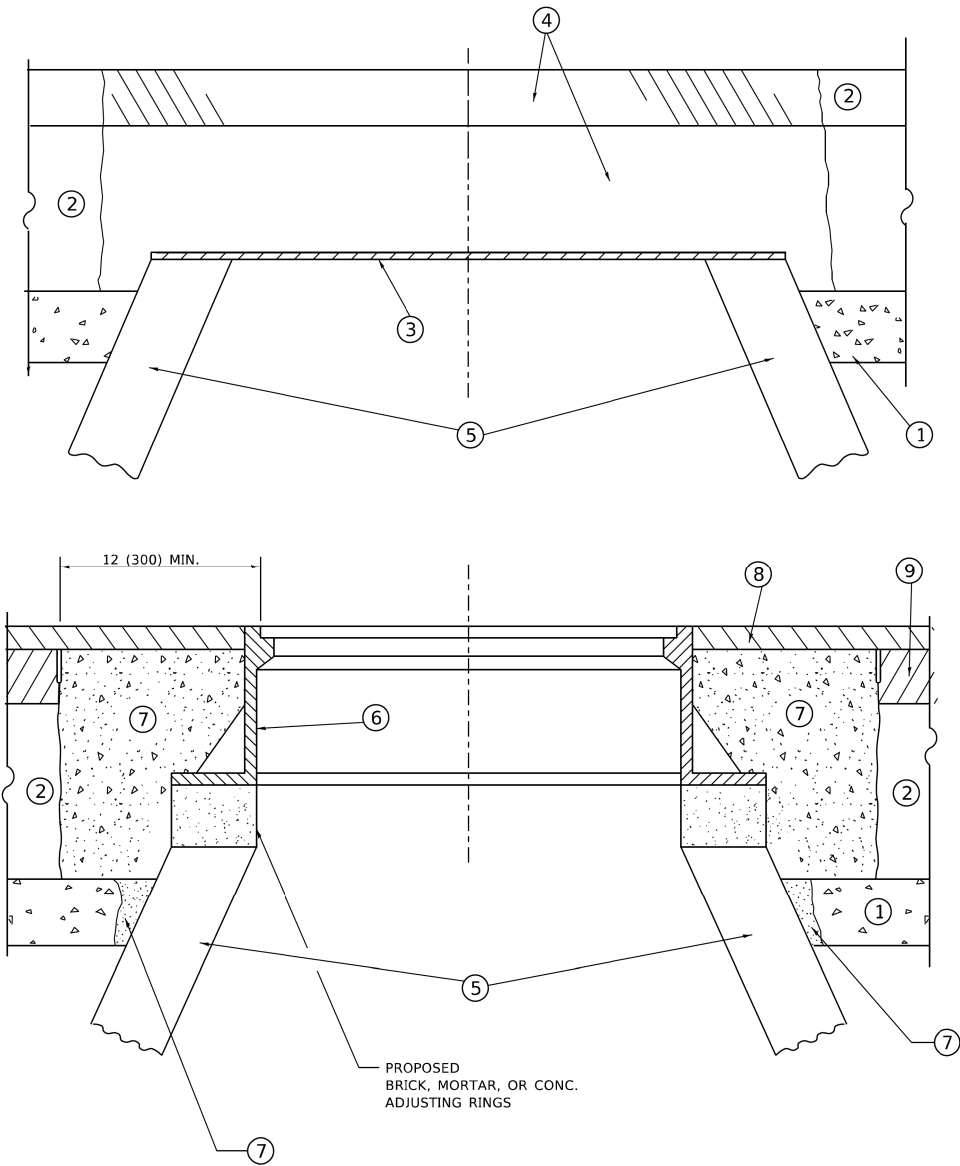


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| Default   | PLOT SCALE = 26'       | CHECKED - LMF  | REVISED - |
|   | PLOT DATE = 12/29/2025 | DATE - 3/2022  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| CONSTRUCTION DETAILS |       |           |              |
|----------------------|-------|-----------|--------------|
| SCALE: N.T.S.        | SHEET | OF SHEETS | STA. TO STA. |

| F.A.U. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1366                      | 22-00069-00-R5 | COOK   | 41           | 30        |
| CONTRACT NO. 61M32        |                |        |              |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-2* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default  
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|                               |                    |                             |
|-------------------------------|--------------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - R. SHAH | REVISED - R. BORO 03-09-11  |
|                               | DRAWN -            | REVISED - R. BORO 12-06-11  |
| PLOT SCALE = 100.0000" / in.  | CHECKED -          | REVISED - K. SMITH 11-18-22 |
| PLOT DATE = 9/15/2023         | DATE - 10-25-94    | REVISED - K. SMITH 09-15-23 |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U.<br>RTE. | SECTION          | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO.       |
|----------------|------------------|----------|-----------------|--------------------|
| 1366           | 22-00069-00-RS   | COOK     | 41              | 31                 |
|                | BD600-03 (BD-08) |          |                 | CONTRACT NO. 61M32 |
|                |                  | ILLINOIS |                 | FED. AID PROJECT   |



REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

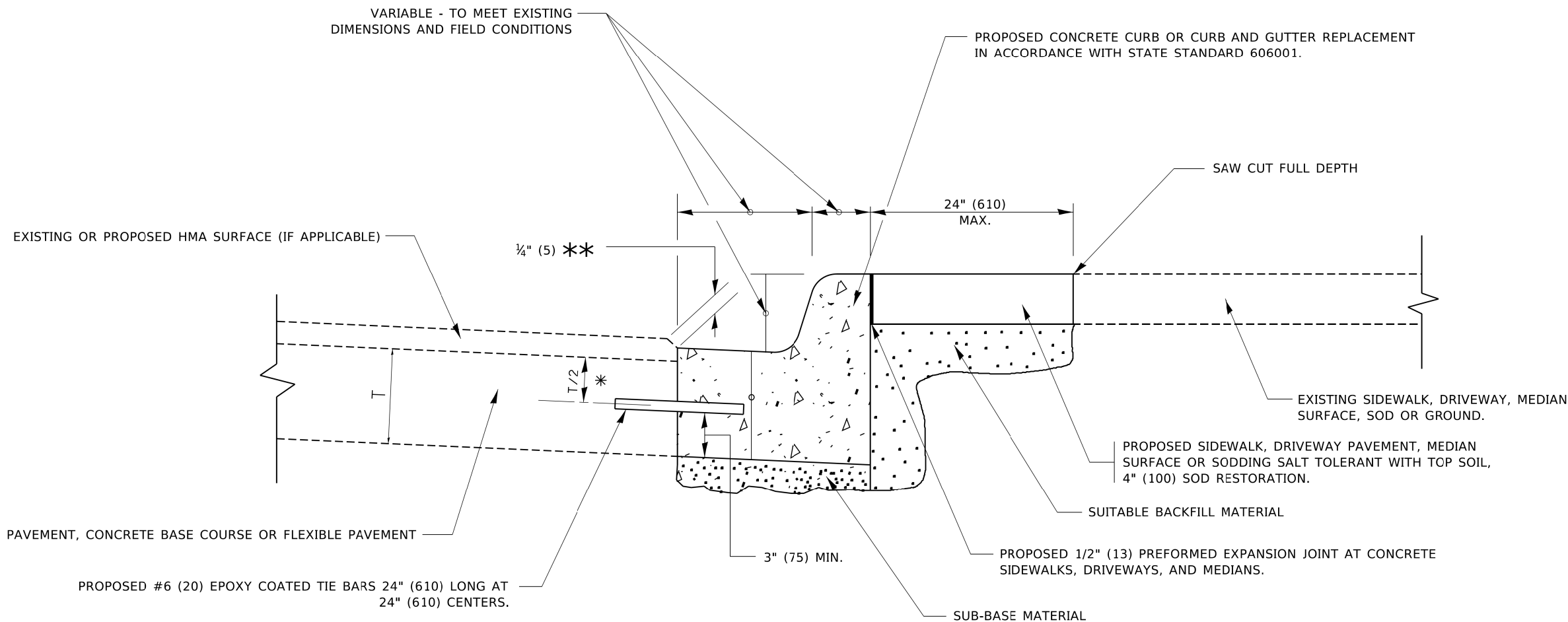
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

|  |                               |                    |                             |   |  |  |  |  |                  |                |        |                 |              |  |  |
|--|-------------------------------|--------------------|-----------------------------|---|--|--|--|--|------------------|----------------|--------|-----------------|--------------|--|--|
| FILE NAME: D:\PROJECTS\ILLINOIS\STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION\PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT\BD-22\22-00069-00-RS\22-00069-00-RS.DWG | USER NAME = Lawrence.DeManche | DESIGNED - R. SHAH | REVISED - R. BORO 01-01-07  | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR<br>HMA SURFACED PAVEMENT |  |  |  | F.A.U.<br>RTE.   | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |  |  |
|  |                               | DRAWN -            | REVISED - R. BORO 09-04-07  |   |  |  |  |  | 1366             | 22-00069-00-RS | COOK   | 41              | 32           |  |  |
|  | PLOT SCALE = 100.0000' / in.  | CHECKED -          | REVISED - K. ENG 10-27-08   |   |  |  |  |  | BD400-04 (BD-22) |                |        |                 |              |  |  |
|  | PLOT DATE = 11/18/2022        | DATE = 10-25-94    | REVISED - K. SMITH 11-18-22 |   | SCALE: NONE                                    |  |  |  | SHEET 1          | OF 1           | SHEETS | STA.            | TO STA.      | ILLINOIS FED. AID PROJECT CONTRACT NO. 61M32 |  |
|  |                               |                    |                             |   |  |  |  |  |                  |                |        |                 |              |  |  |
|  |                               |                    |                             |   |  |  |  |  |                  |                |        |                 |              |  |  |

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FILE: \\ntc1-pw\planroom\dot\illinois.gov\PIW\DOT\Documents\DOT\_Offices\Bldg1\Projects\Bldg1\22-24\CAD\Bldg1\CADsheets\bd24.dgn



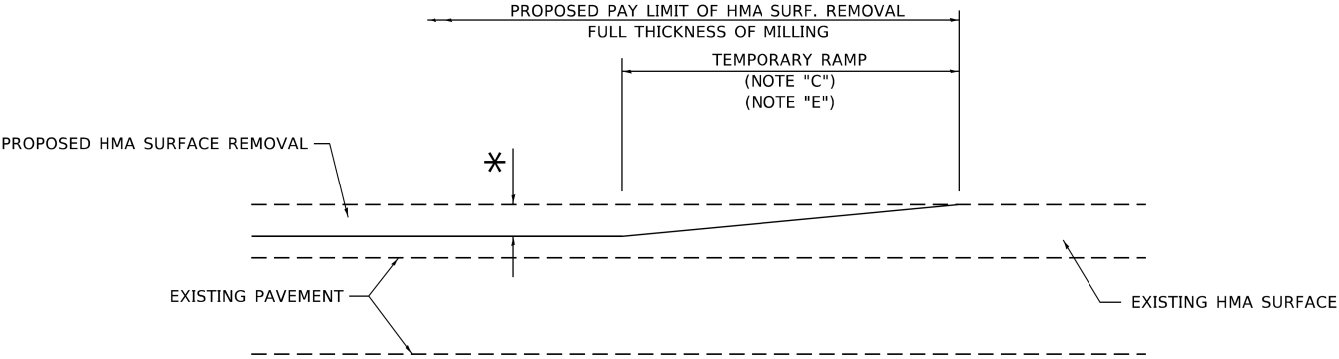
- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

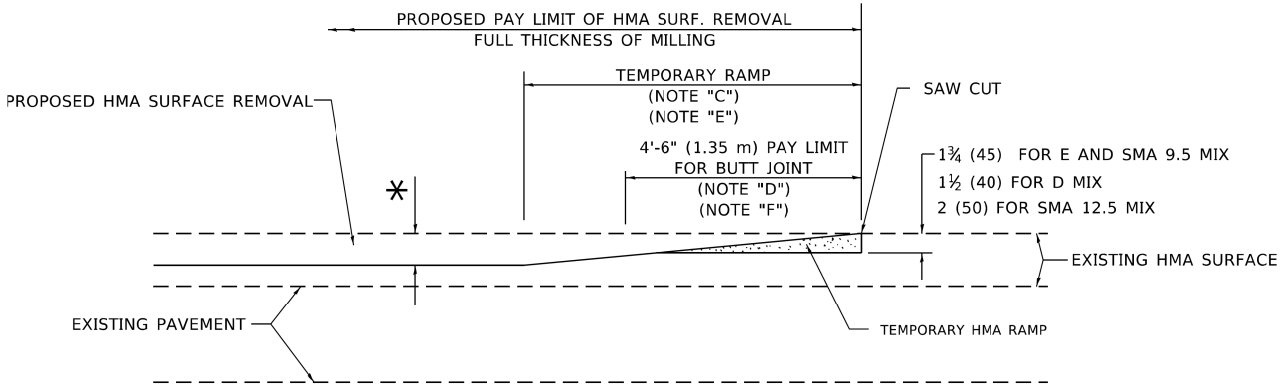
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|--|-----------------------------|----------------------|-----------------------------|---|--|---------|-------------|--------------------|----------------|---------------------------|-----------------|--------------|
|  | USER NAME = footemj         | DESIGNED - A. HOUSEH | REVISED - A. ABBAS 03-21-97 | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | CURB OR CURB AND GUTTER<br>REMOVAL AND REPLACEMENT |         |             | F.A.U.<br>RTE.     | SECTION        | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                             | DRAWN -              | REVISED - M. GOMEZ 01-22-01 |   |  |         |             | 1366               | 22-00069-00-RS | COOK                      | 41              | 33           |
|  | PLOT SCALE = 50.0000' / in. | CHECKED -            | REVISED - R. BORO 12-15-09  |   |  |         |             | CONTRACT NO. 61M32 |                |                           |                 |              |
|  | PLOT DATE = 7/11/2019       | DATE - 03-11-94      | REVISED - K. SMITH 07-11-19 |   | SCALE: NONE  | SHEET 1 | OF 1 SHEETS | STA.               | TO STA.        | ILLINOIS FED. AID PROJECT |                 |              |

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**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

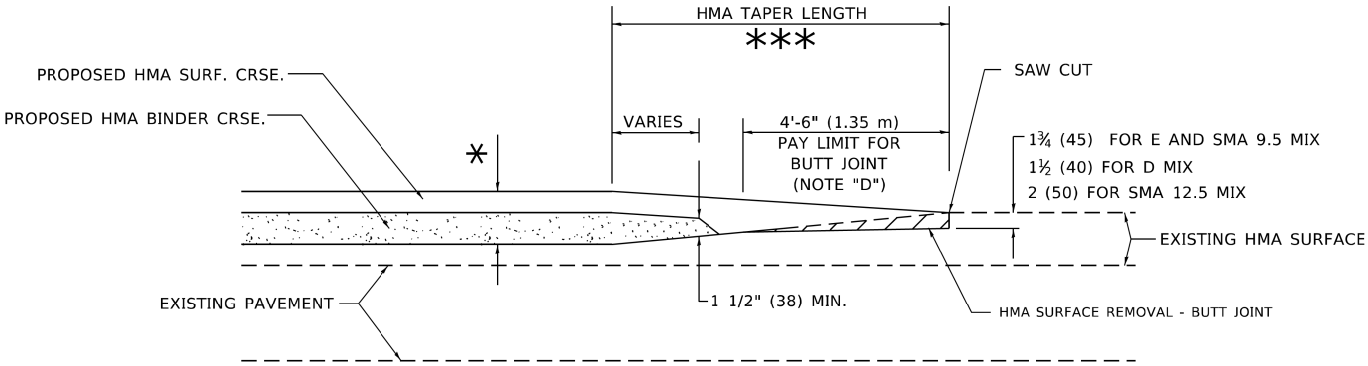
**OPTION 1**



**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

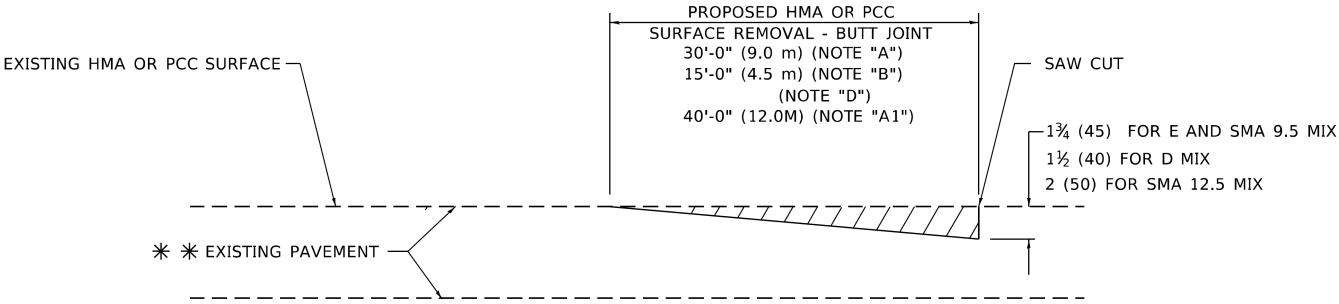
**OPTION 2**

**TYPICAL TEMPORARY RAMP**

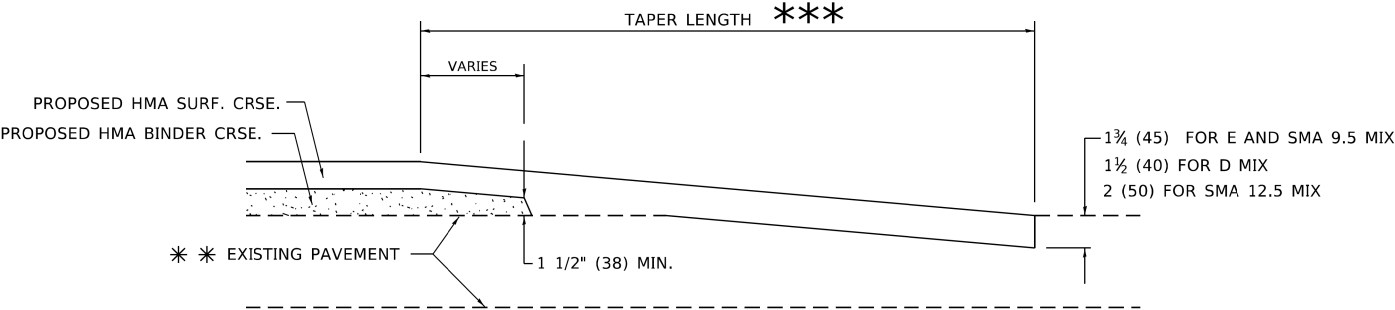


**BUTT JOINT AND  
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**GENERAL NOTES**

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

|                               |                       |                             |
|-------------------------------|-----------------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - A. ABBAS 03-21-97 |
|                               | DRAWN -               | REVISED - M. GOMEZ 04-06-01 |
| PLOT SCALE = 100.0000' / in.  | CHECKED -             | REVISED - R. BORO 01-01-07  |
| PLOT DATE = 11/18/2022        | DATE - 06-13-90       | REVISED - K. SMITH 11-18-22 |

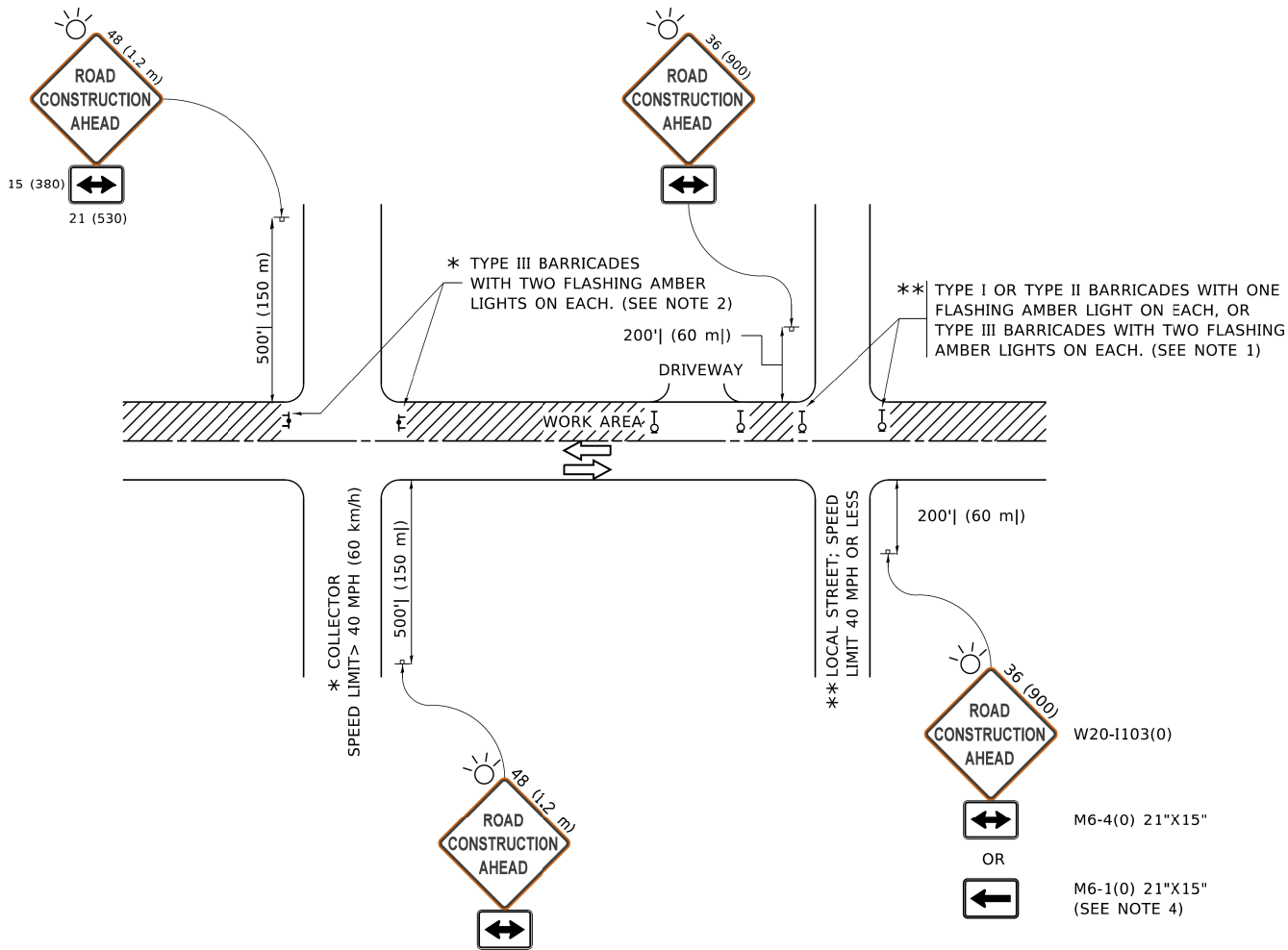
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

|                |                |          |                  |                    |
|----------------|----------------|----------|------------------|--------------------|
| F.A.U.<br>RTE. | SECTION        | COUNTY   | TOTAL<br>SHEETS  | SHEET<br>NO.       |
| 1366           | 22-00069-00-RS | COOK     | 41               | 34                 |
|                | BD400-05 BD-32 |          |                  | CONTRACT NO. 61M32 |
|                |                | ILLINOIS | FED. AID PROJECT |                    |

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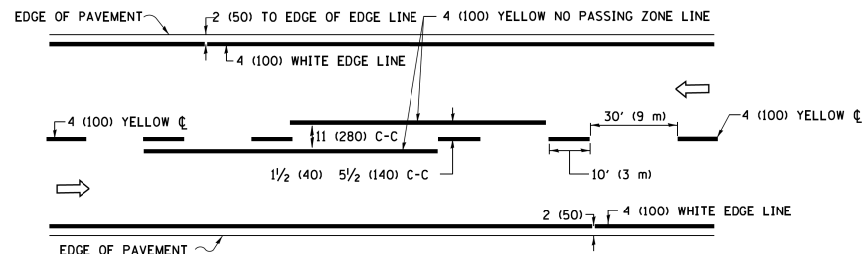


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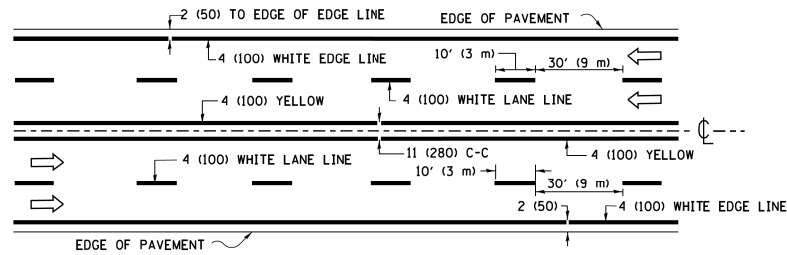
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL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

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

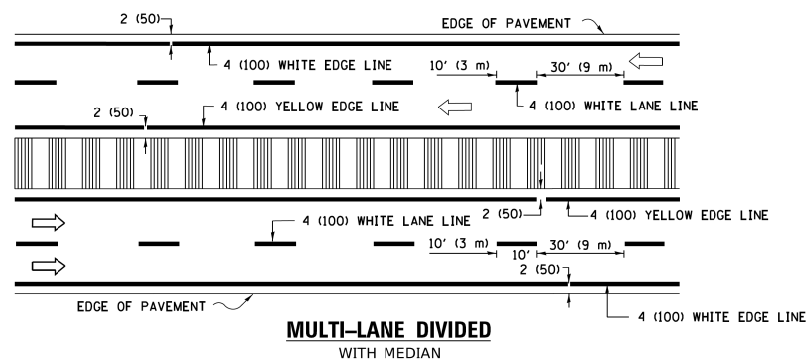
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|--|------------------------------|-------------------|---------------------------------|---|--|-------------|---------------------|--------------|---------------------------|----------------|--------------------|-----------------|--------------|
|  | USER NAME = footemj          | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96    | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION FOR<br>SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | F.A.U.<br>RTE.            | SECTION        | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                              | DRAWN -           | REVISED - T. RAMMACHER 01-06-00 |   |  |             |                     |              | 1366                      | 22-00069-00-RS | COOK               | 41              | 35           |
|  | PLOT SCALE = 50.0000 ' / in. | CHECKED -         | REVISED - A. SCHUETZE 07-01-13  |   |  |             |                     |              | TC-10                     |                | CONTRACT NO. 61M32 |                 |              |
|  | PLOT DATE = 3/4/2019         | DATE - 06-89      | REVISED - A. SCHUETZE 09-15-16  |   |  |             |                     |              | ILLINOIS FED. AID PROJECT |                |                    |                 |              |



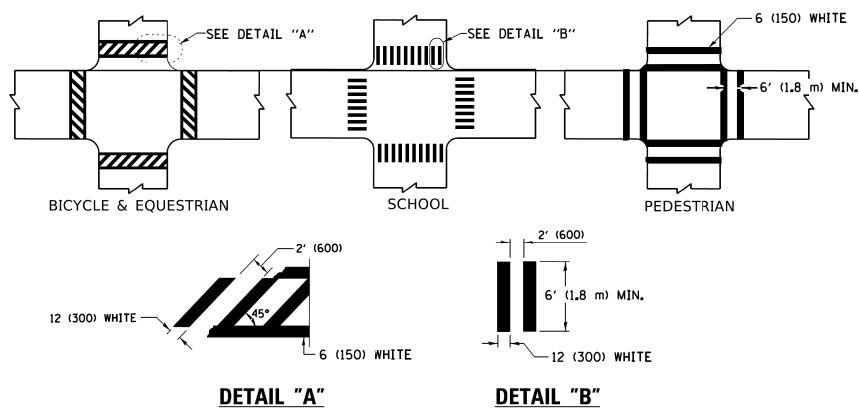
## 2-LANE ROADWAY



### MULTI-LANE UNDIVIDED

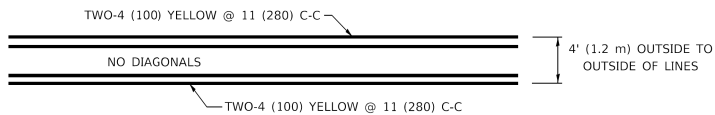


## TYPICAL LANE AND EDGE LINE MARKING

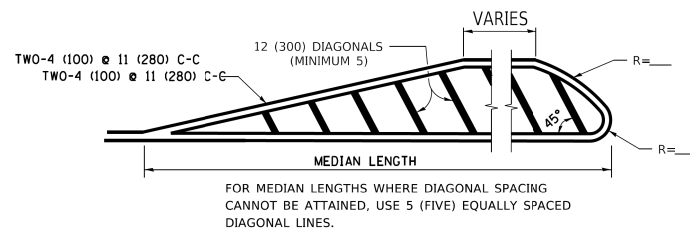


## TYPICAL CROSSWALK MARKING

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

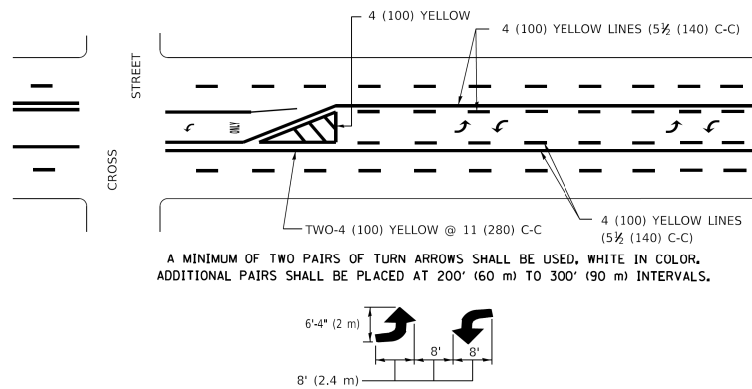


**4' (1.2 m) WIDE MEDIANS ONLY**



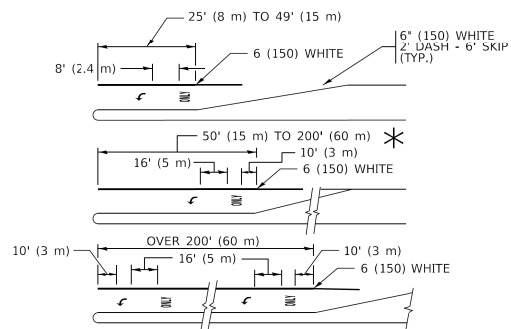
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

### MEDIANS OVER 4' (1.2 m) WIDE



### MEDIAN WITH TWO-WAY LEFT TURN LANE

### TYPICAL PAINTED MEDIAN MARKING

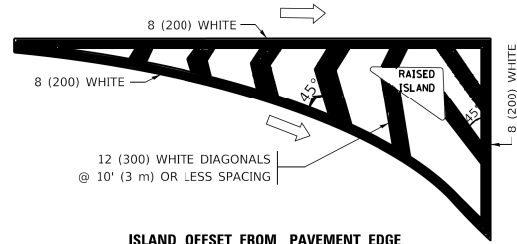


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

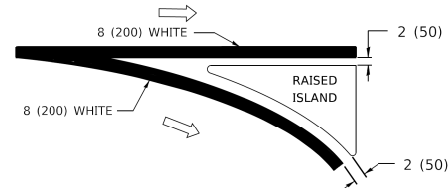
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

### TYPICAL LEFT (OR RIGHT) TURN LANE

## TYPICAL TURN LANE MARKING

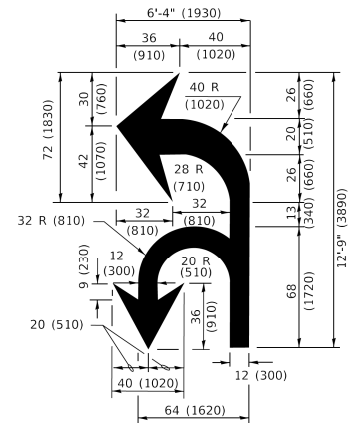


**ISLAND OFFSET FROM PAVEMENT EDGE**

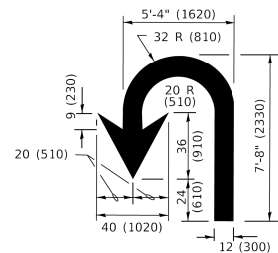


**ISLAND AT PAVEMENT EDGE**

## TYPICAL ISLAND MARKING



## COMBINATION LEFT AND U-TURN



## U-TURN

## LANE REDUCTION TRANSITION

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

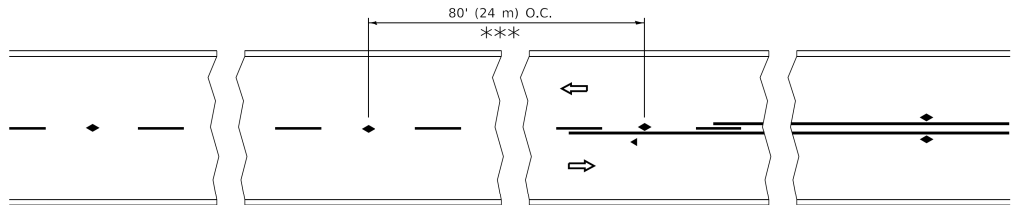
| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345   | 30          |
| 425   | 35          |
| 500   | 40          |
| 580   | 45          |
| 665   | 50          |
| 750   | 55          |

| TYPE OF MARKING  | WIDTH OF LINE   | PATTERN                            | COLOR   | SPACING / REMARKS  |
|--|---|------------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT  | 4 (100)   | SKIP-DASH                          | YELLOW  | 10' (3 m) LINE WITH 30' (9 m) SPACE  |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT  | 2 @ 4 (100)   | SOLID                              | YELLOW  | 11 (280) C-C   |
| NO PASSING ZONE LINES:<br>FOR ONE DIRECTION<br>FOR BOTH DIRECTIONS                               | 4 (100)<br>2 @ 4 (100)  | SOLID<br>SOLID                     | YELLOW<br>YELLOW  | 5½ (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN  |
| LANE LINES   | 4 (100)<br>5 (125) ON FREEWAYS  | SKIP-DASH<br>SKIP-DASH             | WHITE<br>WHITE  | 10' (3 m) LINE WITH 30' (9 m) SPACE  |
| DOTTED LINES<br>(EXTENSIONS OF CENTER, LANE OR<br>TURN LANE MARKINGS)                            | SAME AS LINE BEING<br>EXTENDED  | SKIP-DASH                          | SAME AS LINE BEING<br>EXTENDED                          | 2' (600) LINE WITH 6' (1.8 m) SPACE  |
| EDGE LINES   | 4 (100)   | SOLID                              | YELLOW-LEFT<br>WHITE-RIGHT                              | OUTLINE MEDIANS IN YELLOW  |
| TURN LANE MARKINGS   | 6 (150) LINE; FULL<br>SIZE LETTERS &<br>SYMBOLS (8' (2.4m))   | SOLID                              | WHITE   | SEE TYPICAL TURN LANE MARKING DETAIL   |
| TWO WAY LEFT TURN MARKING  | 2 @ 4 (100)<br>EACH DIRECTION<br><br>8' (2.4m) LEFT ARROW   | SKIP-DASH<br>AND SOLID<br>IN PAIRS | YELLOW<br><br>WHITE                                     | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR<br>SKIP-DASH; 5½ (140) C-C BETWEEN SOLID<br>LINE AND SKIP-DASH LINE<br>SEE TYPICAL TWO-WAY LEFT TURN<br>MARKING DETAIL                 |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGTUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90°   | SOLID<br>SOLID<br>SOLID            | WHITE<br>WHITE<br>WHITE                                 | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>SEE TYPICAL CROSSWALK MARKING DETAILS.   |
| STOP LINES   | 24 (600)  | SOLID                              | WHITE   | PLACE 4' (1.2 m) IN ADVANCE OF AND<br>PARALLEL TO CROSSWALK, IF PRESENT.<br>OTHERWISE, PLACE AT DESIRED STOPPING<br>POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE<br>POSSIBLE |
| PAINTED MEDIANS  | 2 @ 4 (100) WITH<br>12 (300) DIAGONALS<br>@ 45°<br>NO DIAGONALS USED FOR<br>4' (1.2 m) WIDE MEDIANS | SOLID                              | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING.  |
| GORE MARKING AND<br>CHANNELIZING LINES   | 8 (200) WITH 12 (300)<br>DIAGONALS @ 45°  | SOLID                              | WHITE   | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))<br>30' (9 m) C-C (OVER 45MPH (70 km/h))                         |
| RAILROAD CROSSING  | 24 (600) TRANSVERSE<br>LINES; "RR" IS 6' (1.8 m)<br>LETTERS; 16 (400)<br>LINE FOR "X"               | SOLID                              | WHITE   | SEE STATE STANDARD 780001<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m <sup>2</sup> EACH<br>"X"=54.0 SQ. FT. (5.0 m <sup>2</sup>   |
| SHOULDER DIAGONALS (REQUIRED FOR<br>SHOULDERS ≥ 8' )   | 12 (300) @ 45°  | SOLID                              | WHITE - RIGHT<br>YELLOW - LEFT                          | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>150' (45 m) C-C (OVER 45MPH (70 km/h))                                   |
| U TURN ARROW   | SEE DETAIL  | SOLID                              | WHITE   | 16.3 SF  |
| 2 ARROW COMBINATION<br>LEFT AND U TURN   | SEE DETAIL  | SOLID                              | WHITE   | 30.4 SF  |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO  
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE  
CONSTRUCTION AND STATE STANDARD 780001.

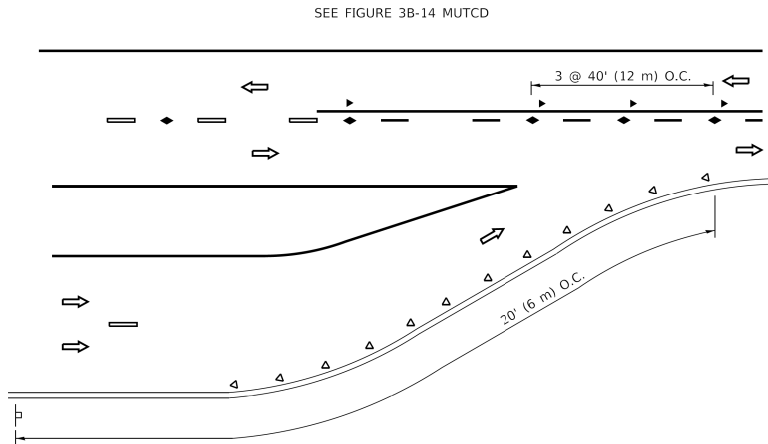
All dimensions are in inches (millimeters) unless otherwise shown.

|   |                               |                  |                              |   |   |                     |      |         |                           |                |        |                 |              |
|---|-------------------------------|------------------|------------------------------|---|---|---------------------|------|---------|---------------------------|----------------|--------|-----------------|--------------|
| FILE NAME: D:\PROJECTS\2019\22-00069-00-RS\22-00069-00-RS.dwg | USER NAME = footemj           | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | DISTRICT ONE<br>TYPICAL PAVEMENT MARKINGS |                     |      |         | F.A.U.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|   |                               | DRAWN -          | REVISED - C. JUCIUS 07-01-13 |   |   |                     |      |         | 1366                      | 22-00069-00-RS | COOK   | 41              | 36           |
|   | PLOT SCALE = 50.0000' = 1 in. | CHECKED -        | REVISED - C. JUCIUS 12-21-15 |   | TC-13                                     |                     |      |         | CONTRACT NO.              | 61M32          |        |                 |              |
|   | PLOT DATE = 3/4/2019          | DATE - 03-19-90  | REVISED - C. JUCIUS 04-12-16 |   | SCALE: NONE                               | SHEET 1 OF 2 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT |                |        |                 |              |
|   |                               |                  |                              |   |   |                     |      |         |                           |                |        |                 |              |

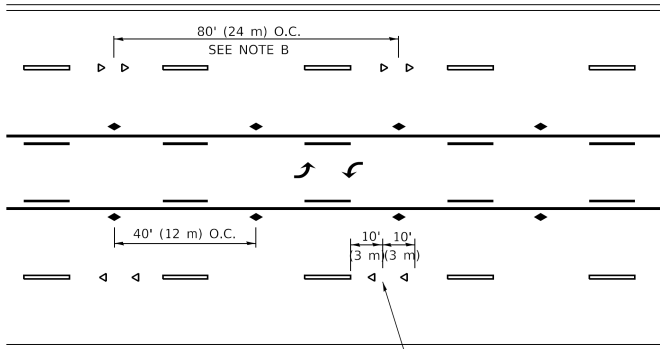


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

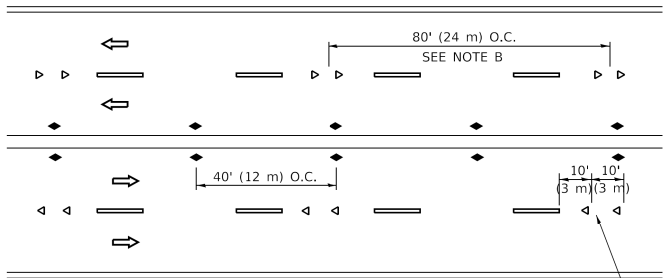
## TWO-LANE/TWO-WAY



## LANE REDUCTION TRANSITION

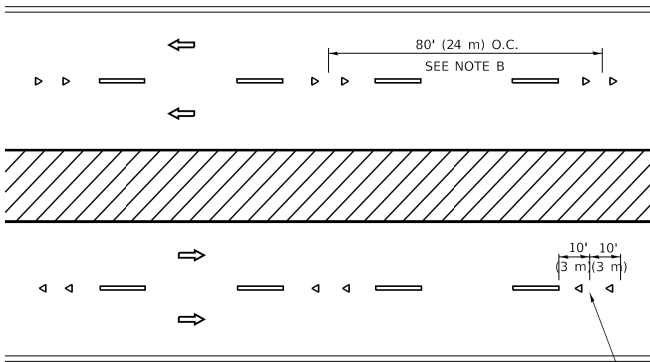


## TWO-WAY LEFT TURN



SEE NOTE A

## MULTI-LANE/UNDIVIDED



SEE NOTE A

## MULTI-LANE/DIVIDED

## GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

## LANE MARKER NOTES

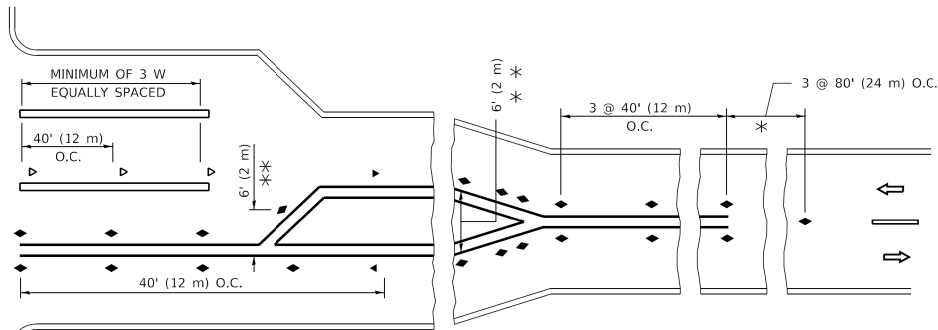
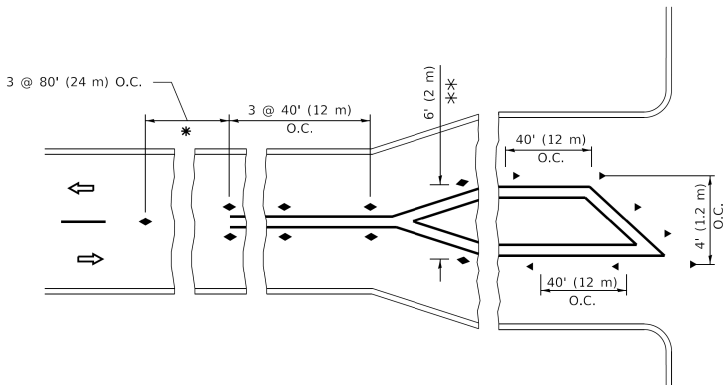
- USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

## SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

## DESIGN NOTES

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

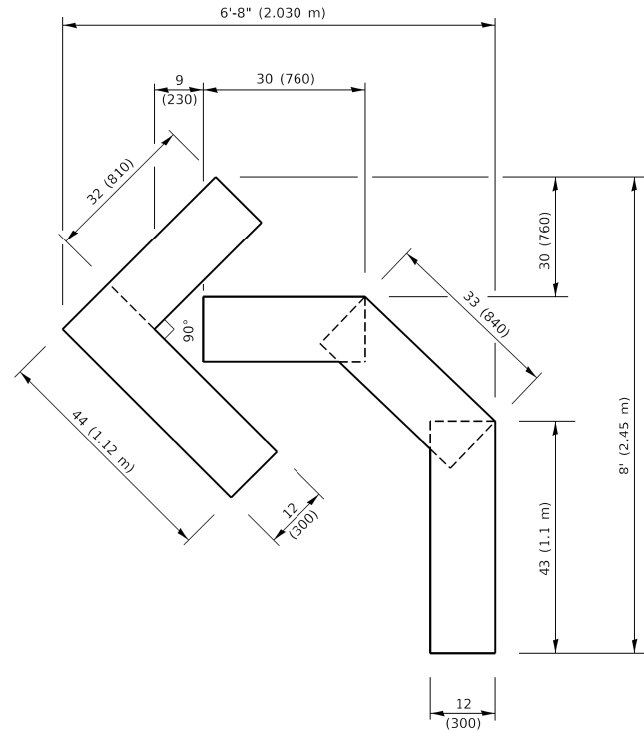
## TURN LANES

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

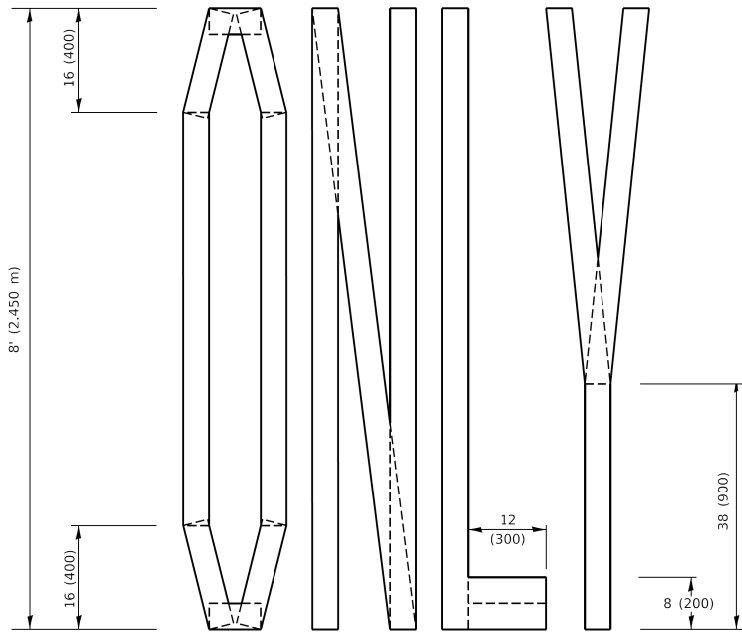
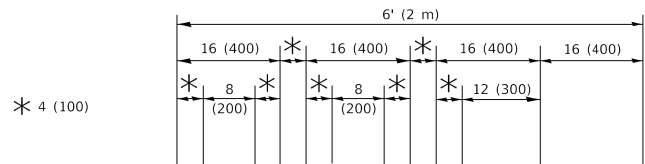
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

| F.A. RTE. | SECTION        | COUNTY             | TOTAL SHEETS     | SHEET NO. |
|-----------|----------------|--------------------|------------------|-----------|
| 1366      | 22-00069-00-RS | COOK               | 41               | 37        |
| TC-11     |                | CONTRACT NO. 61M32 |                  |           |
|           |                | ILLINOIS           | FED. AID PROJECT |           |



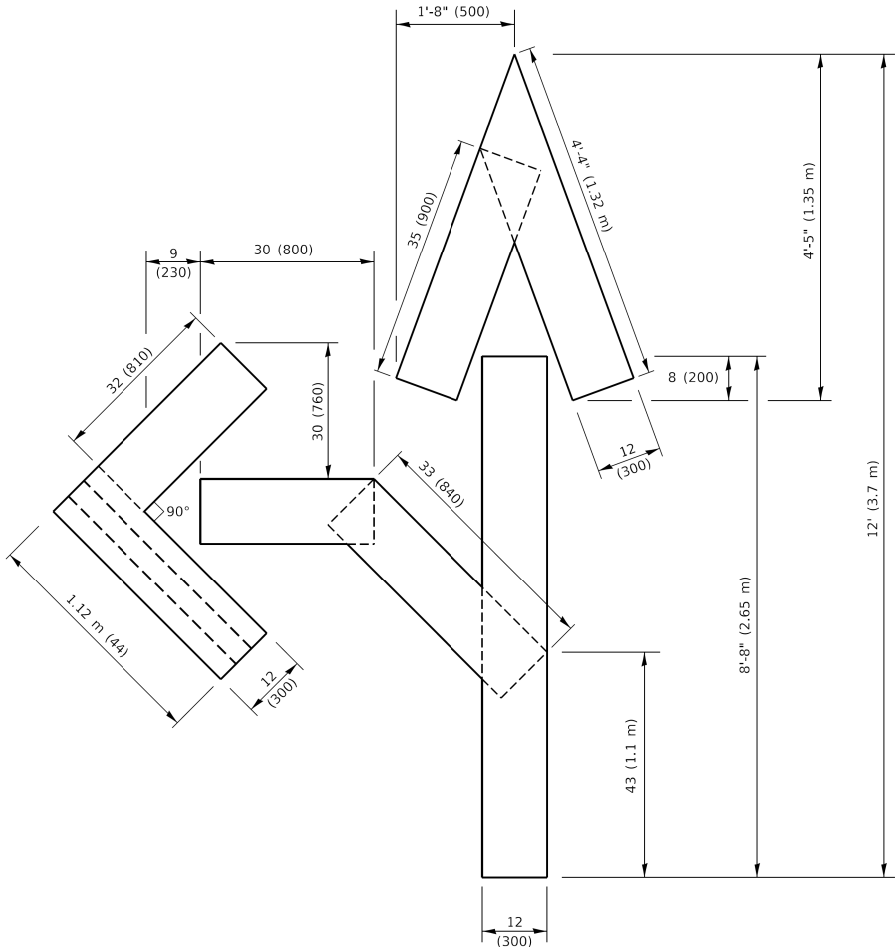
**QUANTITY**

4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.41 sq. m)



**QUANTITY**

4 (100) LINE = 64.1 ft. (19.5 m)  
21.4 sq. ft. (1.99 sq. m)

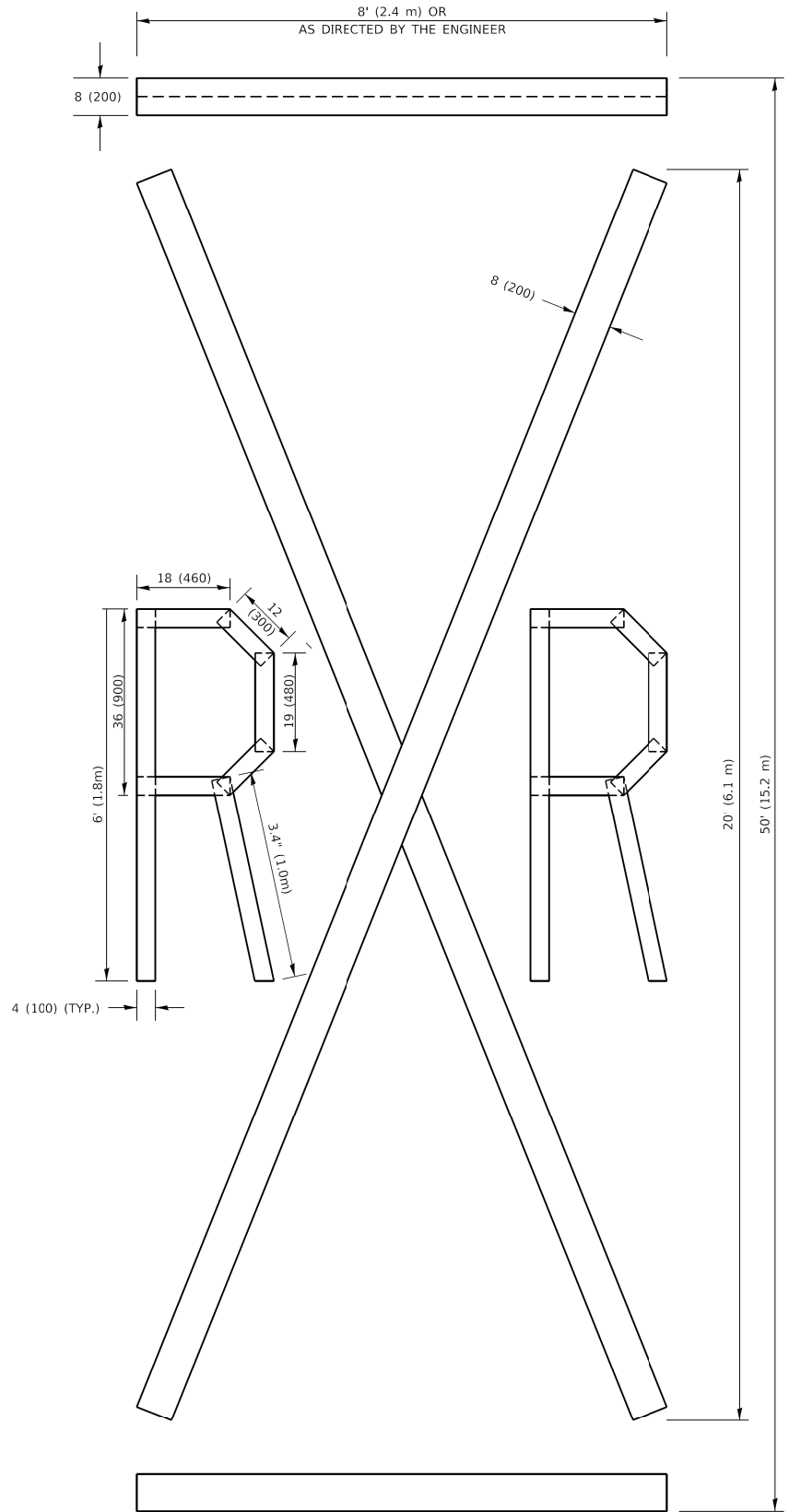


**QUANTITY**

4 (100) LINE = 82.5 ft. (25.1 m)  
27.5 sq. ft. (2.53 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED  
IN LINEAR FEET OF 4" LINES TO MATCH THE  
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS  
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**

4 (100) LINE = 225.9 ft. (68.9 m)  
75.3 sq. ft. (6.99 sq. m)

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

MODEL: Default  
FILE NAME: p:\u00084EBD\NTEC\Illinois.gov\PIUIDOT\Documents\UDOT\_Offices\District\_1\Projects\Dis422\24\CADD\ata\CAD\sheetstc16.dgn

|                              |                 |                                 |
|------------------------------|-----------------|---------------------------------|
| USER NAME = footemj          | DESIGNED -      | REVISED - T. RAMMACHER 03-02-98 |
|                              | DRAWN -         | REVISED - E. GOMEZ 08-28-00     |
| PLOT SCALE = 50.0068 ' / in. | CHECKED -       | REVISED - E. GOMEZ 08-28-00     |
| PLOT DATE = 3/4/2019         | DATE - 09-18-94 | REVISED - A. SCHUETZE 09-15-16  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

|              |                |                    |                  |           |
|--------------|----------------|--------------------|------------------|-----------|
| F.A. U. RTE. | SECTION        | COUNTY             | TOTAL SHEETS     | SHEET NO. |
| 1366         | 22-00069-00-RS | COOK               | 41               | 38        |
| TC-16        |                | CONTRACT NO. 61M32 |                  |           |
|              |                | ILLINOIS           | FED. AID PROJECT |           |

TURN BAY ENTRANCE AT START  
OF LANE CLOSURE TAPER

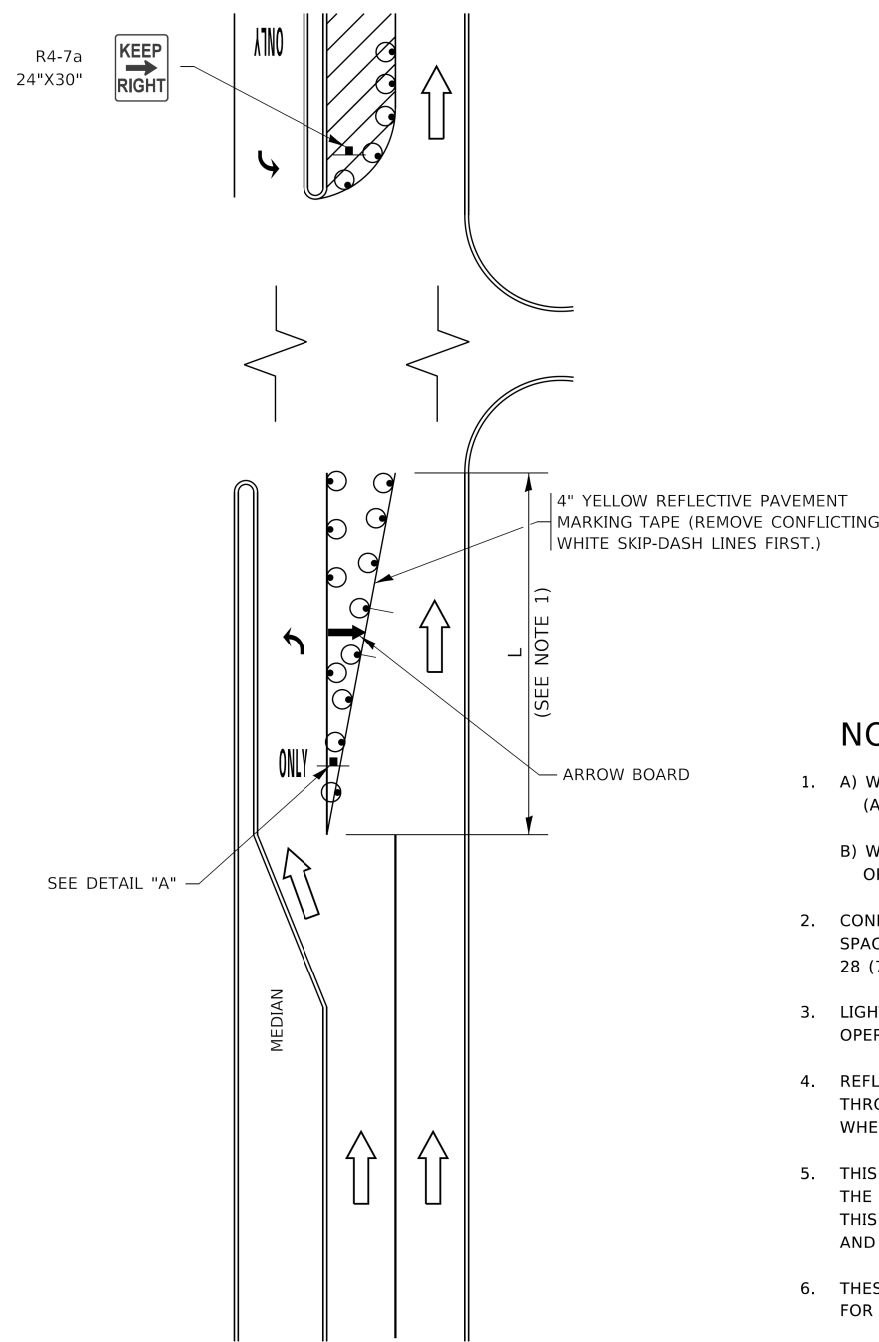


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE  
WITHIN A LANE CLOSURE

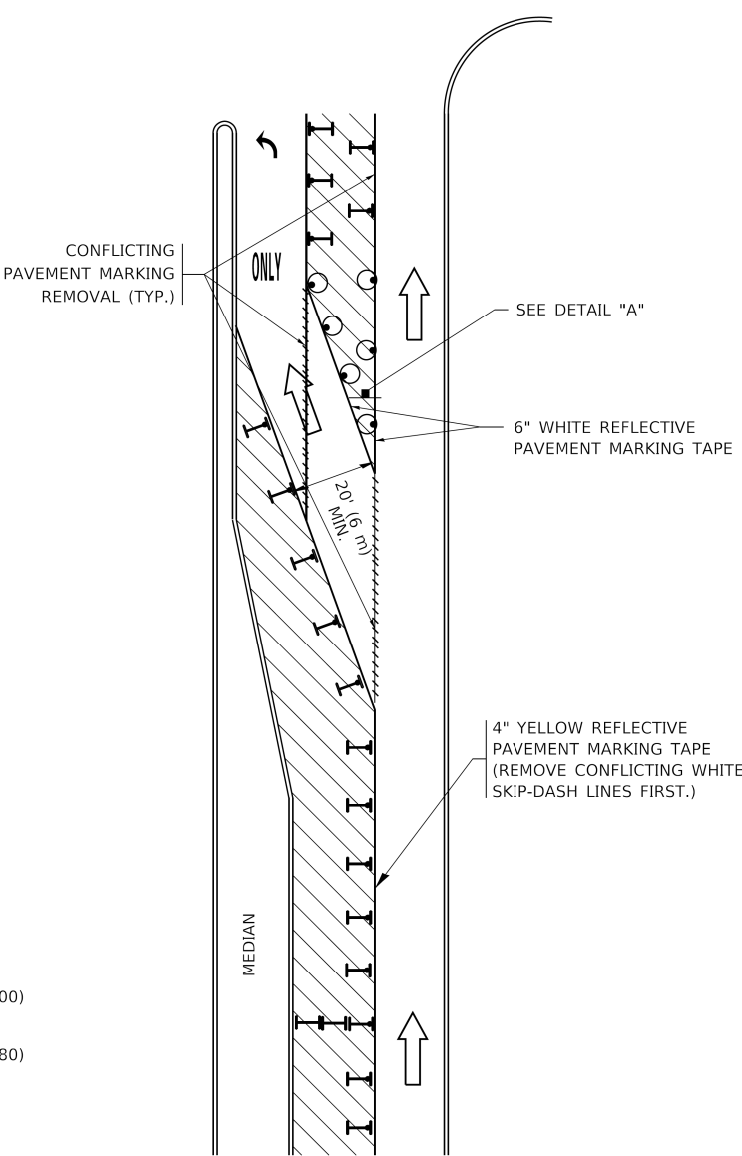
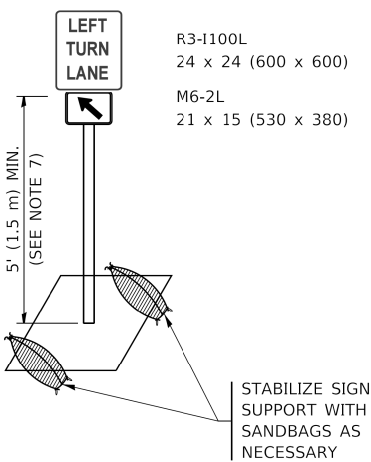


FIGURE 2



DETAIL A

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

MODEL: Default  
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|            |                         |
|------------|-------------------------|
| USER NAME  | = footemj               |
| DESIGNED   | - T. RAMMACHER 09-08-94 |
| DRAWN      | - A. HOUSEH 11-07-95    |
| PLOT SCALE | = 50.0000 ' / in.       |
| PLOT DATE  | = 3/4/2019              |
| CHECKED    | - A. HOUSEH 10-12-96    |
| DATE       | - T. RAMMACHER 01-06-00 |

|         |                        |
|---------|------------------------|
| REVISED | - R. BORO 09-14-09     |
| REVISED | - A. SCHUETZE 07-01-13 |
| REVISED | - A. SCHUETZE 09-15-16 |
| REVISED | -                      |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)

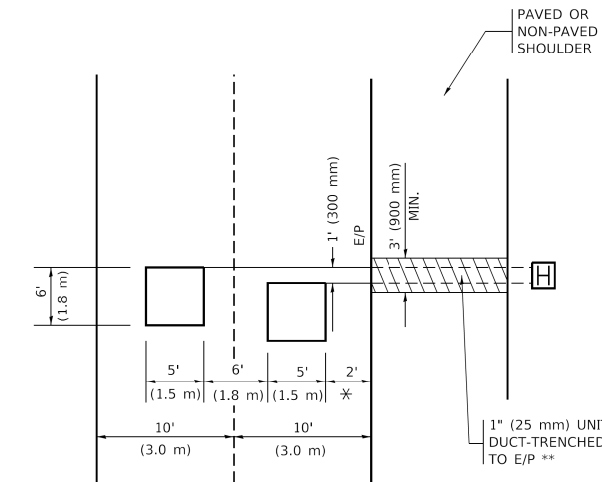
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

|                |                |                    |                 |              |
|----------------|----------------|--------------------|-----------------|--------------|
| F.A.U.<br>RTE. | SECTION        | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1366           | 22-00069-00-RS | COOK               | 41              | 39           |
| TC-14          |                | CONTRACT NO. 61M32 |                 |              |
| ILLINOIS       |                | FED. AID PROJECT   |                 |              |





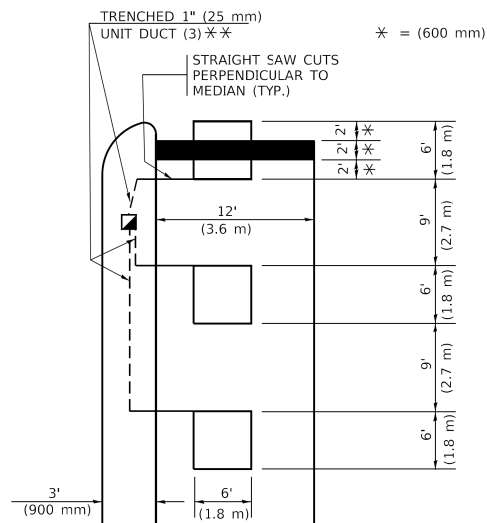
PROVIDE A PAVEMENT REPLACEMENT  
NOTE WHICH SHOULD EQUAL  
3' (900 mm) X WIDTH OF  
PAVED SHOULDER.



\* = (500 mm)

\* \* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS  
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

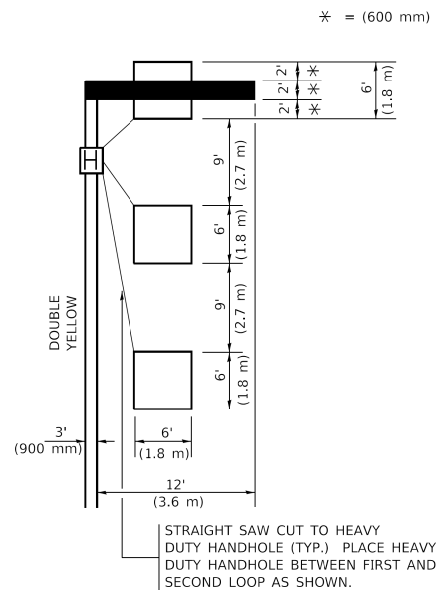
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS  
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO  
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO  
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**DETAIL 1**  
N.T.S.

**DETAIL 2**

OFFSET LOOPS BY  
1' (300mm) FOR  
STRAIGHT SAW CUTS

THIS DIMENSION MAY BE  
ADJUSTED FOR DRIVEWAY  
OR OTHER OBSTRUCTIONS.  
WHEN ADJUSTMENT IS  
REQUIRED, DETECTORS WILL  
NORMALLY BE MOVED CLOSER  
TO THE INTERSECTION.

\* = (1.8m)

CROSS STREET

ARTERIAL

DRIVEWAY

3'(900mm)  
UNIT DUCT  
(TYP.)  
3'(900mm)  
12'  
(3.6m)  
9'(900mm)  
3'  
(3.6m)  
9'(900mm)  
3'  
(3.6m)  
6'  
(2.7m)  
6'  
(2.7m)

10'(3.0m) PREFERRED  
15'(4.5m) MAXIMUM

+ - THESE DIMENSIONS  
WILL BE VARIABLE  
[6' (1.8m) MINIMUM,  
25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS  
SHALL BE 5' (1.5m) FOR  
10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS  
ARE LOCATED IN  
TAPER OF A RIGHT  
TURN LANE, DIMENS  
THIS LOOP TO COVER  
TAPER AREA. DO NOT  
COVER THE LEFT TURN  
LANE OR LEFT TURN  
LANE TAPER.

**DETAIL 2**  
N.T.S.

|                              |                  |           |
|------------------------------|------------------|-----------|
| USER NAME = footermj         | DESIGNED -       | REVISED - |
|                              | DRAWN -          | REVISED - |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - R.K.F. | REVISED - |
| PLOT DATE = 3/4/2019         | DATE -           | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

|             |         |      |        |      |         |
|-------------|---------|------|--------|------|---------|
| SCALE: NONE | SHEET 1 | OF 1 | SHEETS | STA. | TO STA. |
|-------------|---------|------|--------|------|---------|

|                |                |                    |                 |              |
|----------------|----------------|--------------------|-----------------|--------------|
| F.A.U.<br>RTE. | SECTION        | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1366           | 22-00069-00-RS | COOK               | 41              | 41           |
| TS-07          |                | CONTRACT NO. 61M32 |                 |              |
| ILLINOIS       |                | FED. AID PROJECT   |                 |              |

NOTES:

## VEHICLES LOOP DETECTORS

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

## PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1  
TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.