

FOR INDEX OF SHEETS SEE SHEET 2

01-17-2020 LETTING ITEM 133

FOR LIST OF APPLICABLE HIGHWAY STANDARDS SEE SHEET 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

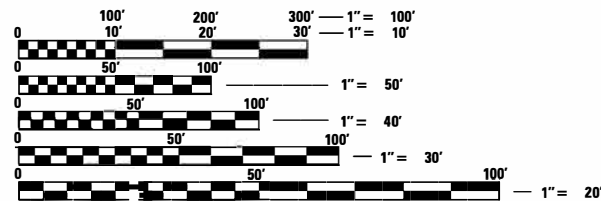
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1334 (HOWARD STREET)
 IL 21 (MILWAUKEE AVENUE) TO LEHIGH AVENUE
 REHABILITATION AND BIKE PATH CONSTRUCTION
 SECTION 13-00116-00-TL
 PROJECT 31QQ(242)
 VILLAGE OF NILES
 COOK COUNTY
 JOB NO. C-91-379-13

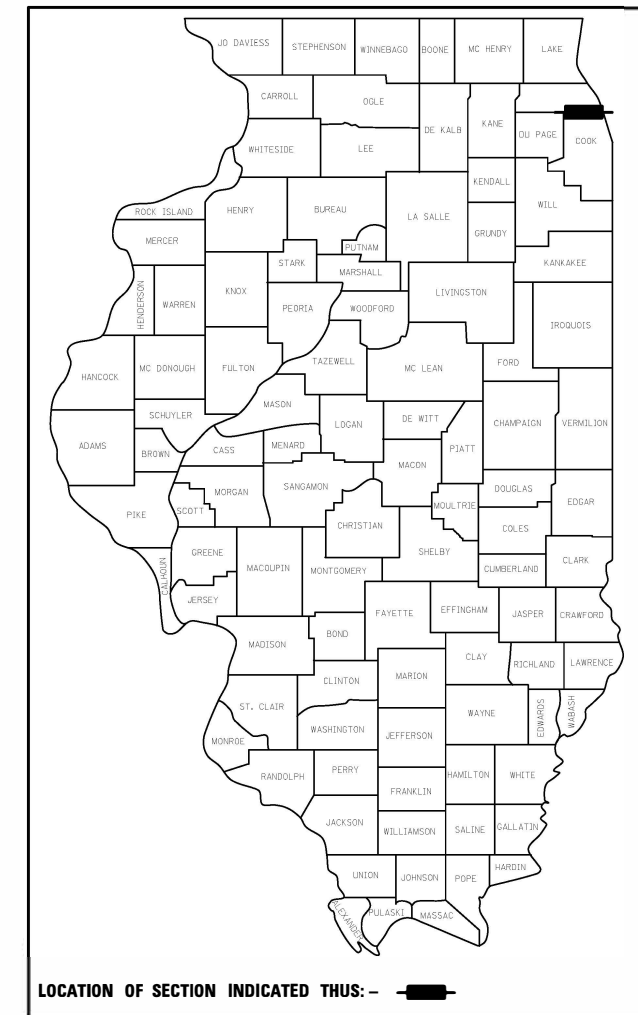
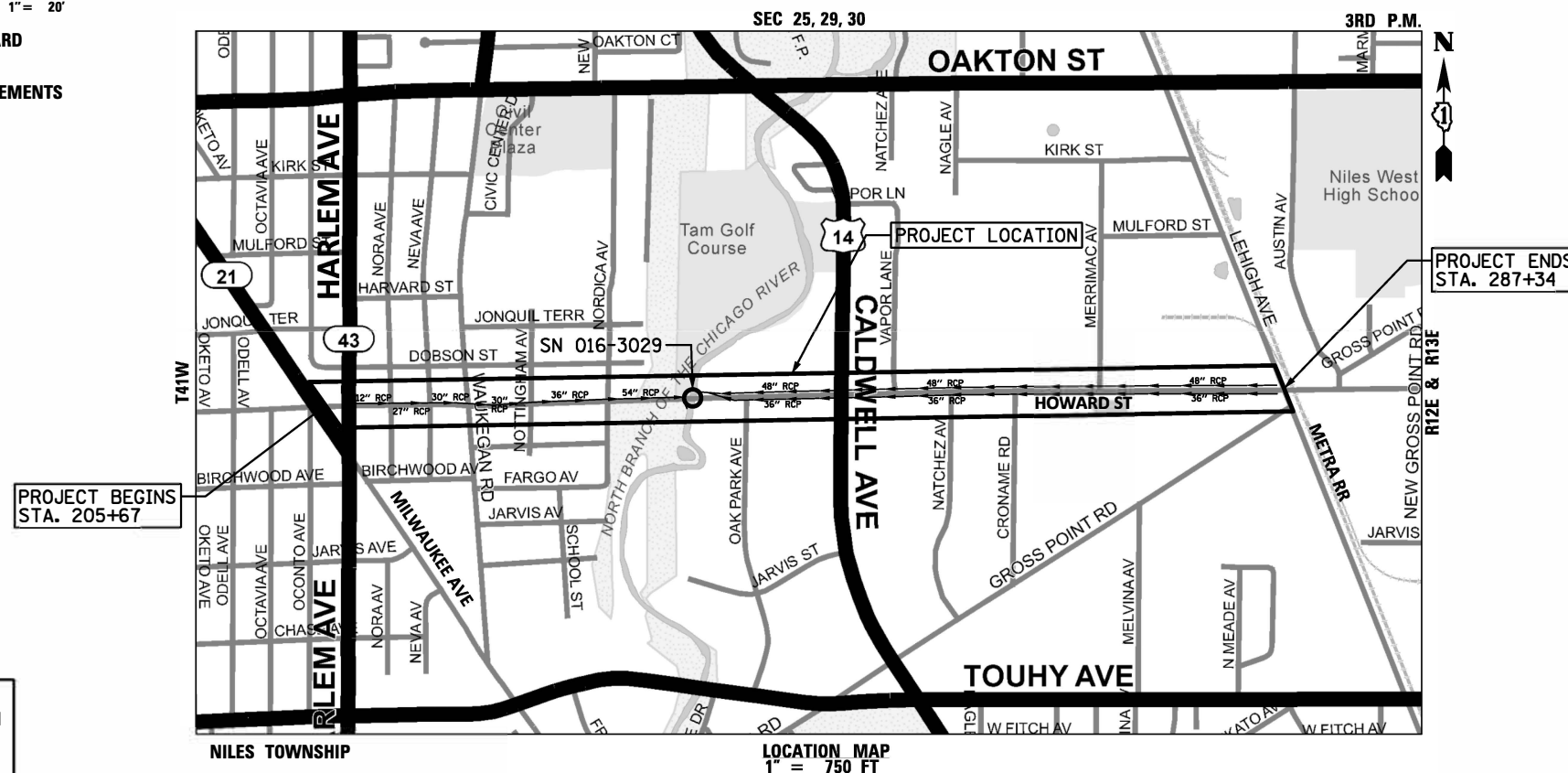
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|----------|--------------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 1 |
| | | ILLINOIS | CONTRACT NO. 61G08 | |

TRAFFIC DATA

HOWARD STREET
 DESIGN DESTINATION: MAJOR COLLECTOR
 POSTED SPEED = 35 MPH
 TRAFFIC = 15,500 ADT (2014)



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.



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

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

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

CONTRACT NO. 61G08

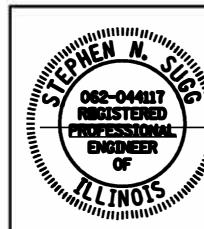
CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
 EXPIRATION DATE: 04/30/21



OCTOBER 4, 2019
Anthony J. Dericco
 ANTHONY J. DERICCO
 ILLINOIS REGISTRATION No. 062-057484
 EXPIRATION DATE: 11/30/19

GROSS LENGTH = 8167.0 FT = 1.55 MILES
 NET LENGTH = 8167.0 FT = 1.55 MILES



OCTOBER 4, 2019
Stephen N. Sugg
 STEPHEN N. SUGG
 ILLINOIS REGISTRATION No. 062-044117
 EXPIRATION DATE: 11/30/19

| | | |
|---|---|------|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | |
| Approved | 10-02 <i>Tom Brown</i> | 2019 |
| VILLAGE OF NILES, VILLAGE ENGINEER | | |
| Passed | 10-23 <i>C.F. Rosh</i> | 2019 |
| District 1 Engineer of Local Roads & Streets | | |
| Releasing for Bid Based on Limited Review | OCTOBER 23, 2019 <i>Anthony J. Dericco</i> | |
| Regional Engineer | | |

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 OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

| | |
|-----------|--|
| 000001-07 | – STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 280001-07 | – TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-09 | – PAVEMENT JOINTS |
| 424001-11 | – PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424021-05 | – DEPRESSED CORNER |
| 424026-03 | – ENTRANCE ALLEY PEDESTRIAN CROSSING |
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| 442101-09 | – CLASS B PATCHES |
| 602001-02 | – CATCH BASIN TYPE A |
| 602301-04 | – INLET TYPE A |
| 602601-06 | – PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | – MANHOLE STEPS |
| 604001-05 | – FRAME AND LIDS TYPE 1 |
| 606001-07 | – CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 606301-04 | – PCC ISLANDS & MEDIANS |
| 701006-05 | – OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE |
| 701101-05 | – OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701301-04 | – LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | – LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY |
| 701427-05 | – LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH |
| 701501-06 | – URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701502-09 | – URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE |
| 701601-09 | – URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701602-10 | – URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701606-10 | – URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701611-01 | – URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
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| 701801-06 | – SIDEWALK, CORNER OR CROSSWALK CLOSURE |
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| 720001-01 | – SIGN PANEL MOUNTING DETAILS |
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| 781001-04 | – TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 814001-03 | – HANDHOLES |
| 857001-01 | – STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES |
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| 873001-02 | – TRAFFIC SIGNAL GROUNDING & BONDING |
| 878001-10 | – CONCRETE FOUNDATION DETAILS |
| 880006-01 | – TRAFFIC SIGNAL MOUNTING DETAILS |
| 886001-01 | – DETECTOR LOOP INSTALLATIONS |
| 886006-01 | – TYPICAL LAYOUTS FOR DETECTION LOOPS |
| 877001-08 | – STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 877011-10 | – STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 877012-07 | – STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75' |

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2020; THE LATEST EDITIONS OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD) AND "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"; THE "DETAILS" IN THE PLANS; AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING 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.
- THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER MAIN AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY.
- 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 OR THE VILLAGE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE VILLAGE AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED, AND SHALL BE AS INDICATED ON THE PLANS, ELEVATIONS SHOWN AT POINT OF CURVE, ETC. IS EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, ETC., ARE FROM THE PROPOSED BASE LINE OF CONSTRUCTION.
- ANY EXISTING PAVEMENT DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR EXISTING UTILITIES IN CONFORMANCE WITH THE AFFECTED UTILITY COMPANIES REQUIREMENTS AS MAY BE REQUIRED TO PERFORM THE WORK OF THIS CONTRACT.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION.
- WHENEVER, DURING CONSTRUCTION, OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE STRUCTURE SIZE.
- WHEN EXISTING DRAINAGE OR SEWERAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PUBLIC OR PRIVATE DRAINS, SEWERS, OR CATCH BASINS, HE SHALL PROVIDE FACILITIES TO TAKE ALL STORM WATER WHICH WOULD BE RECEIVED BY THESE FACILITIES AND DISCHARGE SAME.
- ALL PROPOSED SIGNS SHALL BE ERECTED BEFORE EXISTING SIGNS ARE REMOVED.
- CHANGEABLE MESSAGE SIGNS ARE REQUIRED TO BE INSTALLED ON BOTH ENDS OF THE CONSTRUCTION ZONE ALONG HOWARD STREET FOLLOWING IDOT AND IDOT-DISTRICT 1 STANDARDS.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT DON.CHIARUGI@ILLINOIS.GOV.

COMMITMENTS

- THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

MOT GENERAL NOTES

- THE CONTRACTOR SHALL PLACE ONE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT SEVEN DAYS BEFORE CONSTRUCTION BEGINS TO INFORM MOTORISTS OF THE START OF CONSTRUCTION. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT OTHER LOCATIONS AT THE DISCRETION OF THE ENGINEER. THE ENGINEER WILL DETERMINE THE MESSAGE(S) TO BE SHOWN.
- THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ROADWORK REQUIRING A CLOSURE OF A LANE, WHICH HAS BEEN OPENED PREVIOUSLY TO TRAFFIC, WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:
 - THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR NEAR THE CLOSED LANE.
 - THE CLOSED LANE WILL BE REOPENED TO TRAFFIC AT THE END OF THE WORKDAY.
 - ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.
- ALL AREAS UNDERCUT FOR AGGREGATE SUBGRADE IMPROVEMENT SHALL NOT BE LEFT UNFILLED OVERNIGHT. DROP-OFFS GREATER THAN 24 INCHES SHALL NOT BE LEFT UNFILLED OVERNIGHT.
- DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)". COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED IN STAGES, ONE HALF AT A TIME.
- UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY.
- SPACING OF TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES SHALL BE AS FOLLOWS: 50' C-C ON TANGENTS, 20' C-C ON TAPERS/SHIFTS, 10' C-C AROUND RADII.
- ALL SIGNAGE TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MAINTENANCE OF TRAFFIC SHOWN IS THE MINIMUM REQUIRED; THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY THE ENGINEER.
- THE HMA SURFACE COURSE SHALL NOT BE PLACED UNTIL THE END OF THE JOB.

| | | |
|------|------------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOT AT THIS OFFICE | |
| | NOTE BOOK | |
| | NO. | |
| | BY | |
| | DATE | |

| | | |
|---------|------------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOT AT THIS OFFICE | |
| | NOTE BOOK | |
| | NO. | |
| | BY | |
| | DATE | |

| | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|---|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS GENERAL NOTES | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\NILES\180016\Civ1\NOT_180016_01.SHT | | DRAWN - | REVISED - | | | 1334 | 13-00116-00-TL | COOK | 221 | 2 |
| Default | | CHECKED - | REVISED - | | | CONTRACT NO. 61G08 | | | | |
| | PLOT DATE = 11/21/2019 | DATE - | REVISED - | | | SCALE: 1" = 20' | SHEET | OF | SHEETS | STA. |
| | | | | | | ILLINOIS FED. AID PROJECT | | | | |

| | | | |
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| PLAN | SURVEYED PLOTTED ALIGNMENT CHECKED F.A.S. FILE NAME | BY | DATE |
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| NOTE BOOK NO. | GRADES CHECKED STRUCTURE NOTATIONS OK'D | BY | DATE |
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| PROFILE | SURVEYED PLOTTED GRADES CHECKED STRUCTURE NOTATIONS OK'D | BY | DATE |
| | | | |
| NOTE BOOK NO. | GRADES CHECKED STRUCTURE NOTATIONS OK'D | BY | DATE |
| | | | |

MWRDGC NOTES

A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * VILLAGE OF NILES MUNICIPAL CODE;
 * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- THE VILLAGE OF NILES PUBLIC WORKS DEPARTMENT MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS 0 FT.
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

| PIPE MATERIAL | PIPE SPECIFICATIONS | JOINT SPECIFICATIONS |
|--|---------------------------|----------------------------|
| VITRIFIED CLAY PIPE | ASTM C-700 | ASTM C-425 |
| REINFORCED CONCRETE SEWER PIPE | ASTM C-76 | ASTM C-443 |
| CAST IRON SOIL PIPE | ASTM A-74 | ASTM C-564 |
| DUCTILE IRON PIPE | ANSI A21.51 | ANSI A21.11 |
| POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46 | ASTM D-3034 ASTM F-679 | ASTM D-3212 ASTM D-3212 |
| HIGH DENSITY POLYETHYLENE (HDPE) | ASTM D-2241 AWWA C900 | ASTM D-3139 ASTM D-3139 |
| WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH | AWWA C905 | ASTM D-3139 |

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

| PIPE MATERIAL | PIPE SPECIFICATIONS | JOINT SPECIFICATIONS |
|--------------------------------|---------------------|----------------------|
| POLYPROPYLENE (PP) PIPE | | |
| 12-INCH TO 24-INCH DOUBLE WALL | ASTM F-2736 | D-3212, F-477 |
| 30-INCH TO 60-INCH TRIPLE WALL | ASTM F-2764 | D3212, F-477 |

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
- ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES / FIELD TILES / UNDERDRAINS / PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED VERSION OF THE EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

| | | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|---|-------|-----------|-------------|----------------|---------------------------|--------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS GENERAL NOTES | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\NILES\180016\Civ1\NOT_180016_02.SHT | | DRAWN - | REVISED - | | | | | 1334 | 13-00116-00-TL | COOK | 221 | 3 |
| Default | PLOT SCALE = 2' | CHECKED - | REVISED - | | CONTRACT NO. 61G08 | | | | | | | |
| | PLOT DATE = 11/21/2019 | DATE - | REVISED - | | SCALE: 1" = 20' | SHEET | OF SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | |

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| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | CMAQ |
|-----------------------|--|-------|------------------------|--------------|-------------|---------------|----------------------|------------------|
| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/PED |
| Δ 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 40 | 40 | | | | |
| Δ 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 34 | 34 | | | | |
| Δ 20101200 | TREE ROOT PRUNING | EACH | 10 | 10 | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 2474 | 2474 | | | | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 500 | 500 | | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 420 | | | 50 | | 370 |
| 21101685 | TOPSOIL FURNISH AND PLACE, 24" | SQ YD | 300 | 300 | | | | |
| Δ 25200200 | SUPPLEMENTAL WATERING | UNIT | 44 | 44 | | | | |
| 28000510 | INLET FILTERS | EACH | 47 | 47 | | | | |
| 30300001 | AGGREGATE SUBGRADE IMPROVEMENT | CU YD | 500 | 500 | | | | |
| 31101180 | SUBBASE GRANULAR MATERIAL, TYPE B 2" | SQ YD | 3856 | | | | | 3856 |
| 31101200 | SUBBASE GRANULAR MATERIAL, TYPE B 4" | SQ YD | 5067 | | | | | 5067 |
| 31101600 | SUBBASE GRANULAR MATERIAL, TYPE B 8" | SQ YD | 4214 | 4214 | | | | |
| 35102000 | AGGREGATE BASE COURSE, TYPE B 8" | SQ YD | 3790 | | | | | 3790 |
| 35300300 | PORTLAND CEMENT CONCRETE BASE COURSE 8" | SQ YD | 2867 | 2867 | | | | |
| 35400300 | PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8" | SQ YD | 182 | | | | | 182 |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | CMAQ |
|-----------------------|--|-------|------------------------|--------------|-------------|---------------|----------------------|------------------|
| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/PED |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 1517 | | | | | 1517 |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 33596 | 33596 | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 420 | 420 | | | | |
| 40602985 | HOT-MIX ASPHALT BINDER COURSE, 1L-9.5, N70 | TON | 1480 | 1480 | | | | |
| 40603085 | HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70 | TON | 5480 | 5480 | | | | |
| 40604060 | HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50 | TON | 708 | | | | | 708 |
| 40604062 | HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70 | TON | 4400 | 4400 | | | | |
| 42000501 | PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) | SQ YD | 642 | | | | | 642 |
| 42300200 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH | SQ YD | 10 | 10 | | | | |
| 42300400 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH | SQ YD | 1884 | 1884 | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 34700 | | | | | 34700 |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 916 | | | | | 916 |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 5574 | 5574 | | | | |
| 44000163 | HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2" | SQ YD | 24544 | 24544 | | | | |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 1664 | 1664 | | | | |
| 44000300 | CURB REMOVAL | FOOT | 1056 | 1056 | | | | |

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| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | CMAQ |
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| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/ PED |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | | | | |
| 70102622 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 | L SUM | 1 | 1 | | | | |
| 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | 1 | | | | |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | 1 | | | | |
| 70102632 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701602 | L SUM | 1 | 1 | | | | |
| 70102634 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701611 | L SUM | 1 | 1 | | | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 70 | 70 | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 29400 | 29400 | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 9800 | 9800 | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SQ FT | 1872 | 1872 | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 24236 | 24236 | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 6244 | 6244 | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 4269 | 4269 | | | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | CMAQ |
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| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/ PED |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 831 | 831 | | | | |
| Δ 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 118 | 34 | | | 84 | |
| Δ 72000200 | SIGN PANEL - TYPE 2 | SQ FT | 24 | | | | 24 | |
| Δ 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 15 | 15 | | | | |
| Δ 72400310 | REMOVE SIGN PANEL - TYPE 1 | SQ FT | 3 | 3 | | | | |
| Δ 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 26 | 26 | | | | |
| Δ 72400710 | RELOCATE SIGN PANEL - TYPE 1 | SQ FT | 2 | 2 | | | | |
| Δ 72900100 | METAL POST - TYPE A | FOOT | 104 | 104 | | | | |
| Δ 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 1872 | 1872 | | | | |
| Δ 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 24236 | 24236 | | | | |
| Δ 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 6244 | 6244 | | | | |
| Δ 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 4269 | 4269 | | | | |
| Δ 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 831 | 831 | | | | |
| Δ 78005100 | EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 75 | 75 | | | | |
| Δ 78005110 | EPOXY PAVEMENT MARKING - LINE 4" | FOOT | 775 | 775 | | | | |
| Δ 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 400 | 400 | | | | |

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| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | CMAQ |
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| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/PED |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 388 | 388 | | | | |
| Δ 80400100 | ELECTRIC SERVICE INSTALLATION | EACH | 1 | | | 1 | | |
| Δ 80400200 | ELECTRIC UTILITY SERVICE CONNECTION | L SUM | 1 | | | 1 | | |
| Δ 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 6561 | | | | 6561 | |
| Δ 81028210 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA. | FOOT | 180 | | | 180 | | |
| Δ 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 1655 | | | 1280 | 375 | |
| Δ 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 1556 | | | 165 | 1391 | |
| Δ 81028250 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA. | FOOT | 625 | | | 625 | | |
| Δ 81028720 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA. | FOOT | 190 | | | 190 | | |
| Δ 81028730 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA. | FOOT | 400 | | | 400 | | |
| Δ 81028740 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. | FOOT | 19185 | | | 19185 | | |
| Δ 81028750 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. | FOOT | 450 | | | 450 | | |
| Δ 81400100 | HANDHOLE | EACH | 33 | | | 13 | 20 | |
| Δ 81400200 | HEAVY-DUTY HANDHOLE | EACH | 4 | | | | 4 | |
| Δ 81400300 | DOUBLE HANDHOLE | EACH | 6 | | | | 6 | |
| Δ 81702120 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 | FOOT | 28650 | | | 28650 | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | CMAQ |
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| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/PED |
| Δ 81702130 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 | FOOT | 28880 | | | 28880 | | |
| Δ 81702140 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4 | FOOT | 1390 | | | 1390 | | |
| Δ 81702180 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0 | FOOT | 480 | | | 480 | | |
| Δ 82110005 | LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E | EACH | 4 | | | 4 | | |
| Δ 82500370 | LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP | EACH | 1 | | | 1 | | |
| Δ 83600200 | LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 10 | | | 10 | | |
| Δ 84200500 | REMOVAL OF LIGHTING UNIT, SALVAGE | EACH | 2 | | | 2 | | |
| Δ 84200804 | REMOVAL OF POLE FOUNDATION | EACH | 3 | | | 3 | | |
| Δ 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 2 | | | | 2 | |
| Δ 85100500 | PAINT NEW TRAFFIC SIGNAL POST | EACH | 19 | | | | 19 | |
| Δ 85100600 | PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT | EACH | 1 | | | | 1 | |
| Δ 85100701 | PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER | EACH | 3 | | | | 3 | |
| Δ 85100800 | PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT | EACH | 5 | | | | 5 | |
| Δ 85100901 | PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER | EACH | 3 | | | | 3 | |
| Δ 86000100 | MASTER CONTROLLER | EACH | 1 | | | | 1 | |
| Δ 86400100 | TRANSCEIVER - FIBER OPTIC | EACH | 2 | | | | 2 | |

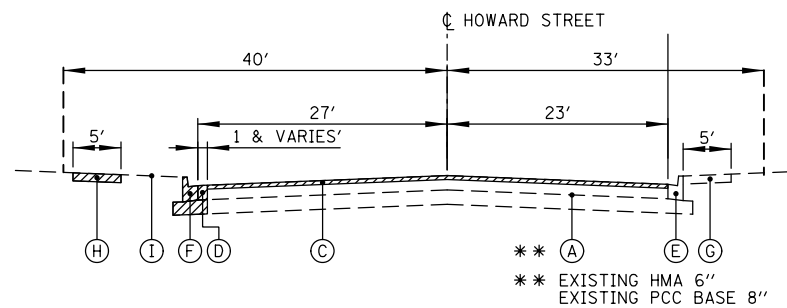
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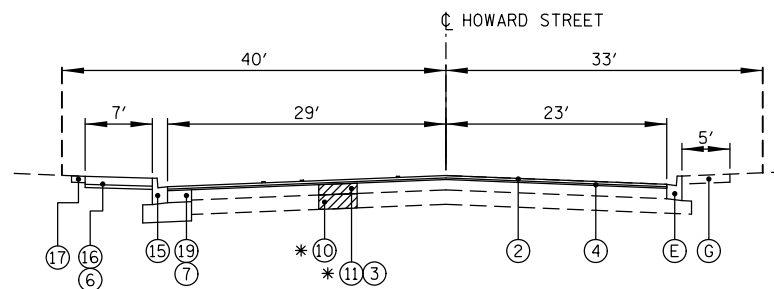
| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | CMAQ | |
|-----------------------|--|--------|------------------------|--------------|-------------|---------------|----------------------|-------------------|
| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | 0004 ROADWAY | 0013 BRIDGE | 0021 LIGHTING | 0021 TRAFFIC SIGNALS | 0028 BICYCLE/ PED |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | | | | |
| Z0018911 | DRILL AND GROUT #6 TIE BARS | EACH | 840 | 840 | | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SQ FT | 52 | 52 | | | | |
| Δ Z0033020 | LUMINAIRE SAFETY CABLE ASSEMBLY | EACH | 4 | | | 4 | | |
| Δ Z0033028 | MAINTENANCE OF LIGHTING SYSTEM | CAL MO | 12 | | | 12 | | |
| Δ Z0033046 | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2 | EACH | 1 | | | | 1 | |
| Δ Z0033056 | OPTIMIZE TRAFFIC SIGNAL SYSTEM | EACH | 1 | | | | 1 | |
| Δ Z0073510 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 4 | | | | 4 | |
| * Z0076600 | TRAINEES | HOOR | 1000 | 1000 | | | | |
| * Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOOR | 1000 | 1000 | | | | |
| Δ X009347 | ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC)2/C NO. 10 | FOOT | 540 | | | 540 | | |

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 * CONSTRUCTION CODE 0042



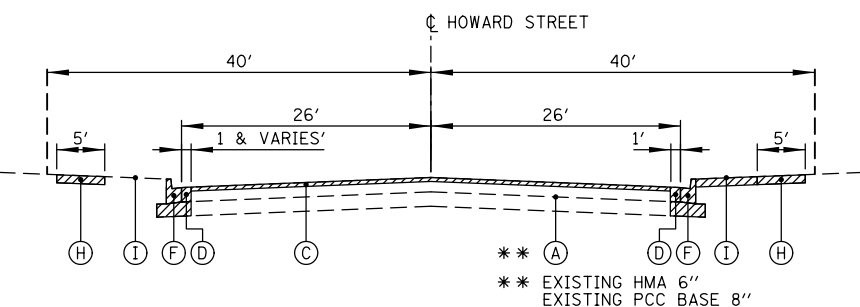
EXISTING TYPICAL SECTION

HOWARD STREET
MILWAUKEE AVE TO HARLEM AVE



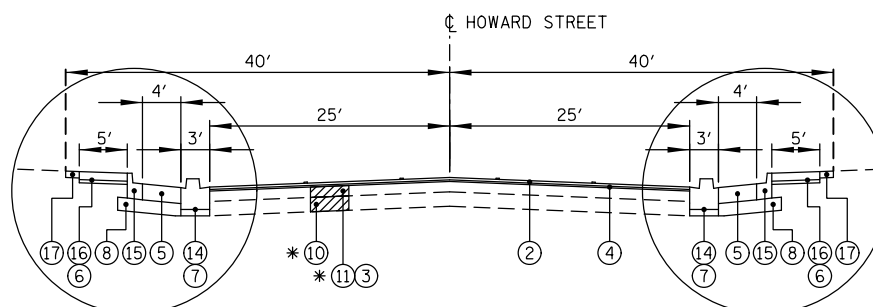
PROPOSED TYPICAL SECTION

HOWARD STREET
MILWAUKEE AVE TO HARLEM AVE
205+67 TO 208+00



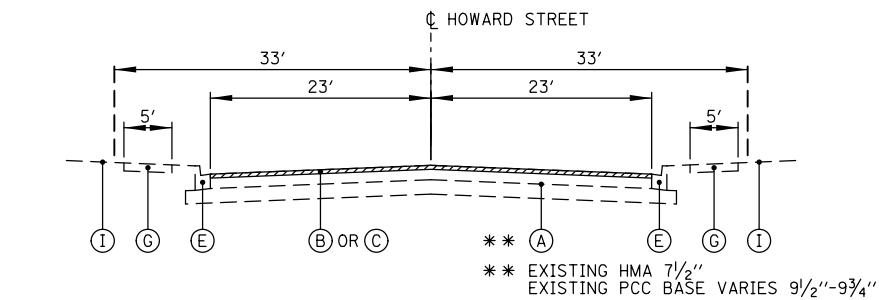
EXISTING TYPICAL SECTION

HOWARD STREET
HARLEM AVE TO WAUKEGAN ROAD



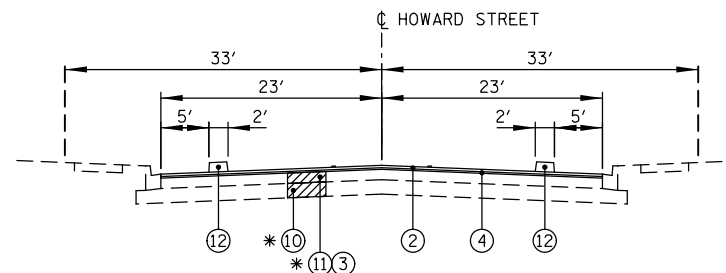
PROPOSED TYPICAL SECTION

HOWARD STREET
HARLEM AVE TO WAUKEGAN ROAD
208+00 TO 218+17



EXISTING TYPICAL SECTION

HOWARD STREET
WAUKEGAN ROAD TO OAK PARK AVE



PROPOSED TYPICAL SECTION

HOWARD STREET
WAUKEGAN ROAD TO OAK PARK AVE
218+17 TO 242+00

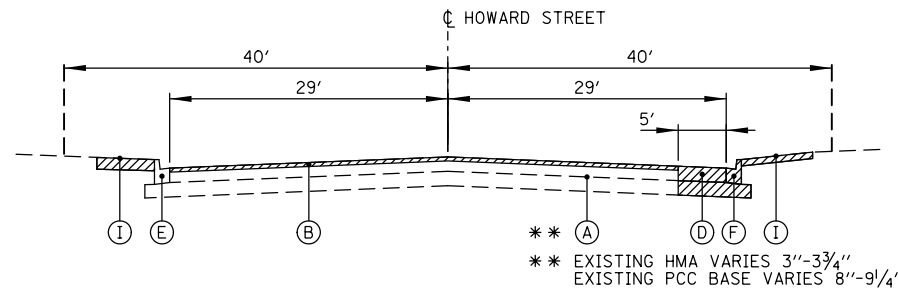
LEGEND

- REMOVAL ITEMS
 - ** (A) EXISTING PAVEMENT (SEE PAVEMENT CORES FOR DETAILS)
 - (B) HOT-MIX ASPHALT SURFACE REMOVAL 3 1/2" (44000163)
 - (C) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH 1/4"-6" (X4401198)
 - (D) PAVEMENT REMOVAL (44000100)
 - (E) EXISTING CONCRETE CURB AND GUTTER
 - (F) COMBINATION CONCRETE CURB AND GUTTER REMOVAL (44000500)
 - (G) EXISTING PCC SIDEWALK
 - (H) SIDEWALK REMOVAL (44000600)
 - (I) EXISTING GROUND
 - (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 3 3/4" (40604060)
 - (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1 1/2" (40604062)
 - (3) PARTIAL DEPTH PATCHING (X4421000)
 - (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"-6" (40603085)
 - (5) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) (42000501)
 - (6) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
 - (7) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200) (EXTEND 6" BEYOND C&G)
 - (8) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600) (EXTEND 6" BEYOND C&G)
 - (9) AGGREGATE BASE COURSE, TYPE B 8" (35102000)
 - * (10) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
 - * (11) CLASS B PATCHES, 8 INCH (TYPES I, II, III & IV) (442017XX)
 - (12) PRECAST CONCRETE CURB (60603451) (SEE DETAIL)
 - (13) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
 - (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL) (X6061700) (SEE DETAIL)
 - (15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (X6064200)
 - (16) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
 - (17) SODDING, SALT TOLERANT, SPECIAL (X2520650)
 - (18) BITUMINOUS MATERIALS (PRIME COAT) (40600275)
 - (19) PORTLAND CEMENT BASE COURSE WIDENING 8" (35400300)
 - (20) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70; 1 1/2"-2 1/4" (40602985)
- * AT LOCATIONS AS DIRECTED BY THE ENGINEER

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | |
|--|-----------------|
| MIXTURE TYPE RESURFACING | AIR VOIDS @NDES |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2" | 4% @ 70 GYR. |
| HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1 1/2"-2 1/4" | 4% @ 70 GYR. |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"-6" | 4% @ 70 GYR. |
| MIXTURE TYPE PARTIAL DEPTH PATCHING | AIR VOIDS @NDES |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"-6" | 4% @ 70 GYR. |
| MIXTURE TYPE BIKE PATH | AIR VOIDS @NDES |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3 3/4" (2 LIFTS) | 4% @ 50 GYR. |

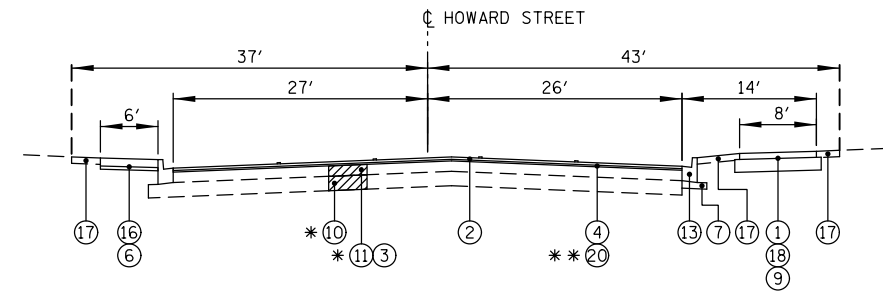
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQYD/IN.

THE "AC TYPE" FOR NON-POLYMERIZED HMA MIXES SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "RECYCLED MATERIALS", SEE SPECIAL PROVISIONS.



EXISTING TYPICAL SECTION

HOWARD STREET
OAK PARK AVE TO LEHIGH AVE

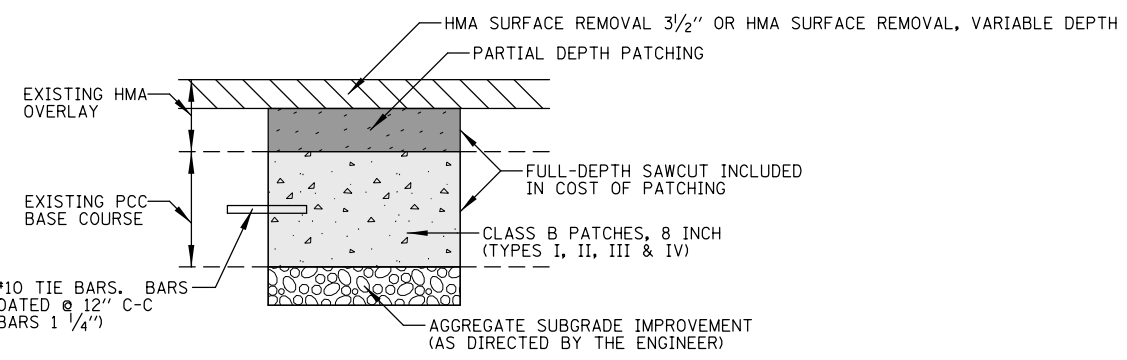


PROPOSED TYPICAL SECTION

HOWARD STREET
OAK PARK AVE TO LEHIGH AVE
242+00 TO 287+34

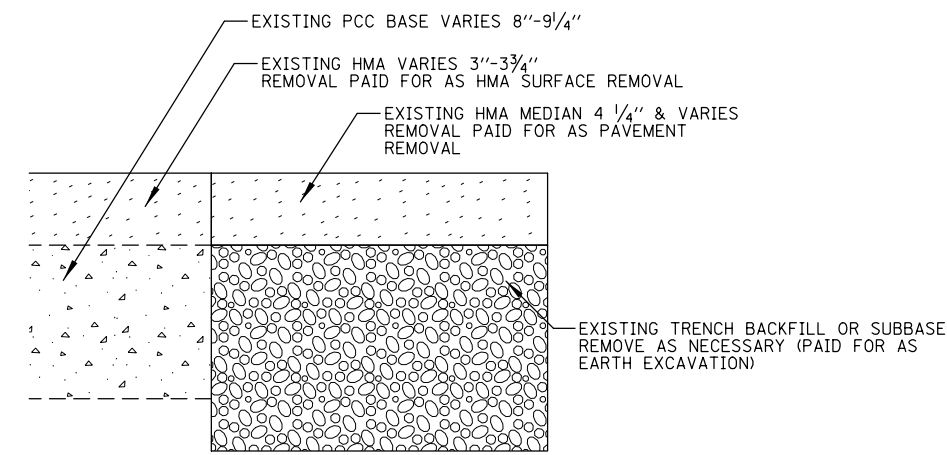
LEGEND

- REMOVAL ITEMS
- ** (A) EXISTING PAVEMENT (SEE PAVEMENT CORES FOR DETAILS)
- (B) HOT-MIX ASPHALT SURFACE REMOVAL 3 1/2" (44000163)
- (C) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH 1/4"-6" (X4401198)
- (D) PAVEMENT REMOVAL (44000100)
- (E) EXISTING CONCRETE CURB AND GUTTER
- (F) COMBINATION CONCRETE CURB AND GUTTER REMOVAL (44000500)
- (G) EXISTING PCC SIDEWALK
- (H) SIDEWALK REMOVAL (44000600)
- (I) EXISTING GROUND
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 3 3/4" (40604060)
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1 1/2" (40604062)
- (3) PARTIAL DEPTH PATCHING (X4421000)
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"-6" (40603085)
- (5) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) (42000501)
- (6) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (7) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200) (EXTEND 6" BEYOND C&G)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600) (EXTEND 6" BEYOND C&G)
- (9) AGGREGATE BASE COURSE, TYPE B 8" (35102000)
- * (10) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- * (11) CLASS B PATCHES, 8 INCH (TYPES I, II, III & IV) (442017XX)
- (12) PRECAST CONCRETE CURB (60603451) (SEE DETAIL)
- (13) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL) (X6061700) (SEE DETAIL)
- (15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (X6064200)
- (16) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (17) SODDING, SALT TOLERANT, SPECIAL (X2520650)
- (18) BITUMINOUS MATERIALS (PRIME COAT) (40600275)
- (19) PORTLAND CEMENT BASE COURSE WIDENING 8" (35400300)
- (20) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70; 1 1/2"-2 1/4" (40602985)
- * AT LOCATIONS AS DIRECTED BY THE ENGINEER
- ** (20) TO BE USED IN PLACE OF (4) FROM STA. 266+00 TO STA. 287+34



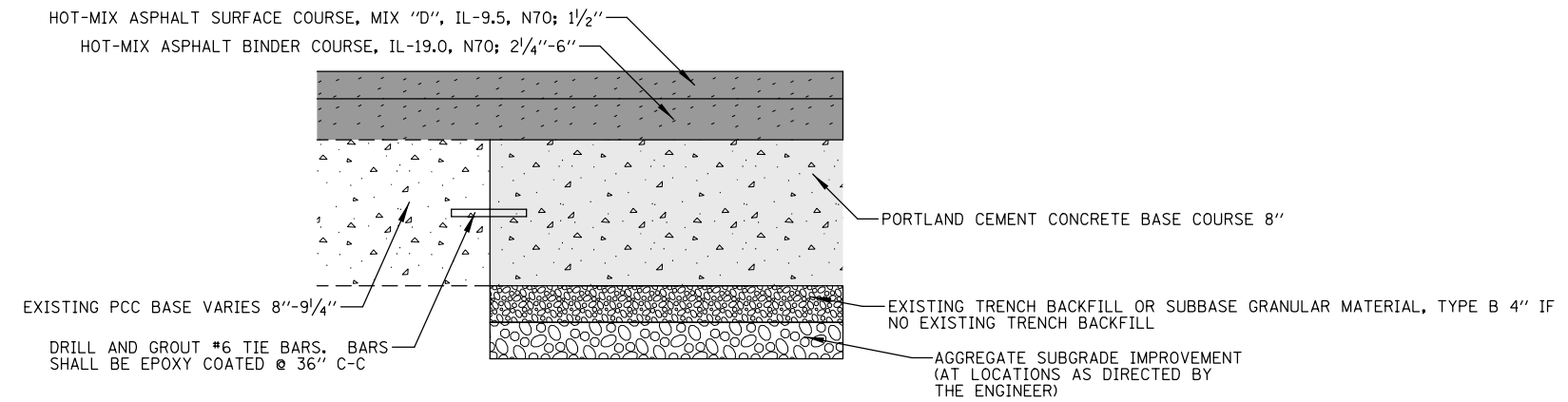
PAVEMENT PATCH

CONTRACTOR SHALL PATCH PAVEMENT USING THE FOLLOWING SEQUENCE:
 1. SCARIFY THE ENTIRE PAVEMENT WIDTH (3 1/2" OR VARIABLE DEPTH).
 2. AT THE DIRECTION OF THE ENGINEER REMOVE THE REMAINING HMA PAVEMENT TO THE TOP OF THE PCC BASE.
 3. AT THE DIRECTION OF THE ENGINEER, REMOVE THE PCC BASE AND REPLACE WITH CLASS B PATCH.



EXISTING HMA MEDIAN PAVEMENT

(TO BE REMOVED)
 STA. 242+46 TO STA. 249+64
 STA. 250+62 TO STA. 259+15



PROPOSED PAVEMENT SECTION FOR MEDIAN REPLACEMENT

| | | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|--|----|--------|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME = N:\NILES\180016\Civil\TYP.180016.02.sht | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS TYPICAL SECTIONS | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| Default | PLOT SCALE = 28' | DRAWN - | REVISED - | | | | | 1334 | 13-00116-00-TL | COOK | 221 | 13 |
| | PLOT DATE = 11/21/2019 | CHECKED - | REVISED - | | | | | CONTRACT NO. 61G08 | | | | |
| | | DATE - | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | | | |
| | | | | SCALE: 1" = 20' | SHEET | OF | SHEETS | STA. | TO | STA. | | |

| | | |
|---------------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE CHECKED | |
| | NOT AT THIS OFFICE | |
| NOTE BOOK NO. | FILE NAME | |

| | | |
|---------------|--------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE CHECKED | |
| | NOT AT THIS OFFICE | |
| NOTE BOOK NO. | FILE NAME | |

| EARTHWORK SCHEDULE | | | | | | |
|--------------------|----|--------|------------------|--|------------|---|
| STATION | | | 20200100 | | | |
| | | | EARTH EXCAVATION | EARTH EXCAVATION VOLUME USED (15% SHRINKAGE) | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
| | | | (CU YD) | (CU YD) | (CU YD) | (CU YD) |
| 205+63 | TO | 206+00 | 3.5 | 3.0 | 0.0 | 3.0 |
| 206+00 | TO | 206+50 | 10.2 | 8.7 | 0.0 | 8.7 |
| 206+50 | TO | 207+00 | 11.9 | 10.1 | 0.3 | 9.8 |
| 207+00 | TO | 207+50 | 13.7 | 11.6 | 0.3 | 11.4 |
| 207+50 | TO | 208+00 | 7.3 | 6.2 | 0.0 | 6.2 |
| 208+00 | TO | 208+50 | 17.1 | 14.6 | 0.0 | 14.6 |
| 208+50 | TO | 209+00 | 40.3 | 34.2 | 0.3 | 34.0 |
| 209+00 | TO | 209+50 | 46.9 | 39.8 | 1.0 | 38.8 |
| 209+50 | TO | 209+70 | 17.9 | 15.2 | 0.4 | 14.8 |
| 209+70 | TO | 210+00 | 25.6 | 21.7 | 0.1 | 21.6 |
| 210+00 | TO | 210+35 | 30.6 | 26.0 | 0.0 | 26.0 |
| 210+35 | TO | 210+50 | 13.9 | 11.9 | 0.1 | 11.7 |
| 210+50 | TO | 211+00 | 48.7 | 41.4 | 0.4 | 41.0 |
| 211+00 | TO | 211+50 | 24.3 | 20.6 | 0.0 | 20.6 |
| 211+50 | TO | 212+00 | 20.3 | 17.2 | 0.0 | 17.2 |
| 212+00 | TO | 212+50 | 43.4 | 36.9 | 0.0 | 36.9 |
| 212+50 | TO | 212+64 | 13.7 | 11.7 | 0.0 | 11.7 |
| 212+64 | TO | 213+00 | 33.3 | 28.3 | 0.0 | 28.3 |
| 213+00 | TO | 213+50 | 42.7 | 36.3 | 0.0 | 36.3 |
| 213+50 | TO | 213+68 | 17.6 | 15.0 | 0.2 | 14.8 |
| 213+68 | TO | 214+00 | 30.7 | 26.1 | 0.6 | 25.5 |
| 214+00 | TO | 214+50 | 35.3 | 30.0 | 2.1 | 27.9 |
| 214+50 | TO | 215+00 | 14.0 | 11.9 | 1.8 | 10.1 |
| 215+00 | TO | 215+50 | 21.8 | 18.5 | 0.0 | 18.5 |
| 215+50 | TO | 216+00 | 42.2 | 35.9 | 0.3 | 35.6 |
| 216+00 | TO | 216+22 | 19.2 | 16.3 | 0.1 | 16.2 |
| 216+22 | TO | 216+50 | 21.5 | 18.2 | 0.0 | 18.2 |
| 216+50 | TO | 216+80 | 17.2 | 14.6 | 0.0 | 14.6 |
| 216+80 | TO | 217+00 | 11.3 | 9.6 | 0.0 | 9.6 |
| 217+00 | TO | 217+50 | 31.5 | 26.8 | 0.0 | 26.8 |
| 217+50 | TO | 218+00 | 16.9 | 14.3 | 0.0 | 14.3 |
| 218+00 | TO | 218+50 | 15.2 | 12.9 | 2.2 | 10.7 |
| 218+50 | TO | 219+00 | 33.1 | 28.2 | 2.2 | 26.0 |
| 219+00 | TO | 219+50 | 32.7 | 27.8 | 0.0 | 27.8 |
| 219+50 | TO | 219+83 | 22.2 | 18.9 | 0.0 | 18.9 |
| 219+83 | TO | 220+00 | 11.7 | 10.0 | 0.0 | 10.0 |
| 220+00 | TO | 220+50 | 28.2 | 24.0 | 0.3 | 23.7 |
| 220+50 | TO | 220+73 | 11.6 | 9.9 | 0.1 | 9.8 |
| 220+73 | TO | 220+83 | 3.6 | 3.0 | 0.0 | 3.0 |
| 220+83 | TO | 220+88 | 0.5 | 0.5 | 0.0 | 0.5 |
| 238+45 | TO | 238+50 | 0.9 | 0.7 | 0.0 | 0.7 |
| 238+50 | TO | 239+00 | 18.1 | 15.3 | 1.4 | 14.0 |
| 239+00 | TO | 239+50 | 15.7 | 13.4 | 2.8 | 10.6 |
| 239+50 | TO | 240+00 | 13.4 | 11.4 | 5.1 | 6.3 |
| 240+00 | TO | 240+50 | 13.9 | 11.8 | 7.4 | 4.4 |
| 240+50 | TO | 241+00 | 13.4 | 11.4 | 8.3 | 3.1 |
| 241+00 | TO | 241+45 | 5.8 | 5.0 | 3.8 | 1.2 |
| 241+45 | TO | 242+60 | 0.0 | 0.0 | 0.0 | 0.0 |
| 242+60 | TO | 243+00 | 4.8 | 4.1 | 4.4 | -0.4 |
| 243+00 | TO | 243+50 | 13.0 | 11.0 | 10.6 | 0.4 |
| 243+50 | TO | 243+76 | 6.7 | 5.7 | 4.1 | 1.6 |
| 243+76 | TO | 244+00 | 5.8 | 4.9 | 2.9 | 2.0 |
| 244+00 | TO | 244+50 | 11.6 | 9.8 | 7.9 | 2.0 |
| 244+50 | TO | 245+00 | 11.1 | 9.4 | 9.7 | -0.3 |
| 245+00 | TO | 245+30 | 9.4 | 8.0 | 5.8 | 2.2 |
| 245+30 | TO | 245+50 | 8.3 | 7.1 | 3.5 | 3.6 |
| 245+50 | TO | 246+00 | 21.8 | 18.5 | 7.9 | 10.6 |
| 246+00 | TO | 246+50 | 22.7 | 19.3 | 10.6 | 8.6 |
| 246+50 | TO | 246+86 | 18.3 | 15.6 | 10.0 | 5.6 |
| 246+86 | TO | 247+00 | 7.9 | 6.7 | 3.9 | 2.8 |
| 247+00 | TO | 247+50 | 29.6 | 25.2 | 12.5 | 12.7 |
| 247+50 | TO | 248+00 | 27.8 | 23.6 | 11.1 | 12.5 |
| 248+00 | TO | 248+50 | 25.0 | 21.3 | 13.4 | 7.8 |
| 248+50 | TO | 249+00 | 24.1 | 20.5 | 15.7 | 4.7 |
| 249+00 | TO | 249+50 | 11.6 | 9.8 | 7.9 | 2.0 |
| 249+50 | TO | 250+72 | 0.0 | 0.0 | 0.0 | 0.0 |
| 250+72 | TO | 251+00 | 3.4 | 2.9 | 4.1 | -1.3 |
| 251+00 | TO | 251+50 | 10.6 | 9.1 | 18.1 | -9.0 |
| 251+50 | TO | 252+00 | 10.6 | 9.1 | 18.1 | -9.0 |
| 252+00 | TO | 252+50 | 11.1 | 9.4 | 12.0 | -2.6 |
| 252+50 | TO | 253+00 | 9.7 | 8.3 | 9.7 | -1.5 |
| 253+00 | TO | 253+50 | 9.7 | 8.3 | 12.0 | -3.8 |
| 253+50 | TO | 254+00 | 11.1 | 9.4 | 13.9 | -4.4 |
| 254+00 | TO | 254+12 | 3.1 | 2.6 | 3.2 | -0.6 |
| 254+12 | TO | 254+50 | 9.1 | 7.8 | 8.1 | -0.3 |
| 254+50 | TO | 254+64 | 2.7 | 2.3 | 2.5 | -0.1 |

| EARTHWORK SCHEDULE | | | | | | |
|--------------------|----|--------|------------------|--|--------------|---|
| STATION | | | 20200100 | | | |
| | | | EARTH EXCAVATION | EARTH EXCAVATION VOLUME USED (15% SHRINKAGE) | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
| | | | (CU YD) | (CU YD) | (CU YD) | (CU YD) |
| 254+64 | TO | 255+00 | 7.3 | 6.2 | 7.0 | -0.8 |
| 255+00 | TO | 255+50 | 12.5 | 10.6 | 10.6 | 0.0 |
| 255+50 | TO | 256+00 | 14.8 | 12.6 | 11.6 | 1.0 |
| 256+00 | TO | 256+50 | 13.4 | 11.4 | 11.6 | -0.2 |
| 256+50 | TO | 257+00 | 12.5 | 10.6 | 11.6 | -0.9 |
| 257+00 | TO | 257+50 | 14.8 | 12.6 | 11.6 | 1.0 |
| 257+50 | TO | 257+61 | 3.3 | 2.8 | 2.1 | 0.6 |
| 257+61 | TO | 258+00 | 10.1 | 8.6 | 7.9 | 0.6 |
| 258+00 | TO | 258+50 | 13.0 | 11.0 | 11.1 | -0.1 |
| 258+50 | TO | 259+00 | 14.4 | 12.2 | 9.7 | 2.5 |
| 259+00 | TO | 259+12 | 1.8 | 1.5 | 1.1 | 0.4 |
| 259+12 | TO | 259+76 | 0.0 | 0.0 | 0.0 | 0.0 |
| 259+76 | TO | 260+00 | 3.1 | 2.6 | 2.4 | 0.2 |
| 260+00 | TO | 260+50 | 13.4 | 11.4 | 10.6 | 0.8 |
| 260+50 | TO | 261+00 | 13.4 | 11.4 | 11.1 | 0.3 |
| 261+00 | TO | 261+50 | 13.9 | 11.8 | 11.1 | 0.7 |
| 261+50 | TO | 261+81 | 9.2 | 7.8 | 5.7 | 2.1 |
| 261+81 | TO | 262+00 | 5.8 | 4.9 | 3.3 | 1.6 |
| 262+00 | TO | 262+50 | 13.9 | 11.8 | 8.8 | 3.0 |
| 262+50 | TO | 262+74 | 6.9 | 5.9 | 3.6 | 2.3 |
| 262+74 | TO | 263+00 | 8.4 | 7.2 | 4.8 | 2.3 |
| 263+00 | TO | 263+50 | 13.9 | 11.8 | 11.6 | 0.2 |
| 263+50 | TO | 264+00 | 13.0 | 11.0 | 8.8 | 2.2 |
| 264+00 | TO | 264+16 | 2.2 | 1.9 | 0.9 | 1.0 |
| 264+16 | TO | 265+74 | 0.0 | 0.0 | 0.0 | 0.0 |
| 265+74 | TO | 266+00 | 10.8 | 9.2 | 2.6 | 6.6 |
| 266+00 | TO | 266+50 | 32.9 | 27.9 | 9.3 | 18.7 |
| 266+50 | TO | 267+00 | 19.0 | 16.1 | 6.9 | 9.2 |
| 267+00 | TO | 267+50 | 17.1 | 14.6 | 7.9 | 6.7 |
| 267+50 | TO | 268+00 | 20.8 | 17.7 | 10.2 | 7.5 |
| 268+00 | TO | 268+50 | 29.6 | 25.2 | 10.2 | 15.0 |
| 268+50 | TO | 269+00 | 34.7 | 29.5 | 10.2 | 19.3 |
| 269+00 | TO | 269+50 | 28.7 | 24.4 | 10.2 | 14.2 |
| 269+50 | TO | 270+00 | 25.9 | 22.0 | 10.6 | 11.4 |
| 270+00 | TO | 270+50 | 22.2 | 18.9 | 11.1 | 7.8 |
| 270+50 | TO | 271+00 | 15.3 | 13.0 | 9.7 | 3.3 |
| 271+00 | TO | 271+50 | 13.9 | 11.8 | 10.2 | 1.6 |
| 271+50 | TO | 272+00 | 15.7 | 13.4 | 11.6 | 1.8 |
| 272+00 | TO | 272+50 | 14.8 | 12.6 | 11.1 | 1.5 |
| 272+50 | TO | 273+00 | 13.0 | 11.0 | 11.1 | -0.1 |
| 273+00 | TO | 273+50 | 13.4 | 11.4 | 10.6 | 0.8 |
| 273+50 | TO | 274+00 | 15.7 | 13.4 | 10.2 | 3.2 |
| 274+00 | TO | 274+50 | 16.7 | 14.2 | 10.2 | 4.0 |
| 274+50 | TO | 275+00 | 14.8 | 12.6 | 9.3 | 3.3 |
| 275+00 | TO | 275+20 | 5.4 | 4.6 | 3.5 | 1.0 |
| 275+20 | TO | 275+50 | 7.8 | 6.6 | 5.3 | 1.3 |
| 275+50 | TO | 276+00 | 15.7 | 13.4 | 9.3 | 4.1 |
| 276+00 | TO | 276+50 | 18.5 | 15.7 | 10.6 | 5.1 |
| 276+50 | TO | 277+00 | 18.1 | 15.3 | 9.7 | 5.6 |
| 277+00 | TO | 277+24 | 7.8 | 6.6 | 3.8 | 2.8 |
| 277+24 | TO | 277+50 | 8.4 | 7.2 | 4.1 | 3.1 |
| 277+50 | TO | 278+00 | 15.3 | 13.0 | 10.6 | 2.3 |
| 278+00 | TO | 278+50 | 12.5 | 10.6 | 13.0 | -2.3 |
| 278+50 | TO | 279+00 | 12.0 | 10.2 | 11.1 | -0.9 |
| 279+00 | TO | 279+50 | 13.4 | 11.4 | 10.6 | 0.8 |
| 279+50 | TO | 280+00 | 16.7 | 14.2 | 11.6 | 2.6 |
| 280+00 | TO | 280+50 | 14.4 | 12.2 | 10.2 | 2.0 |
| 280+50 | TO | 281+00 | 13.4 | 11.4 | 9.7 | 1.7 |
| 281+00 | TO | 281+30 | 9.2 | 7.8 | 5.6 | 2.2 |
| 281+30 | TO | 281+50 | 5.9 | 5.0 | 3.3 | 1.7 |
| 281+50 | TO | 282+00 | 14.4 | 12.2 | 9.7 | 2.5 |
| 282+00 | TO | 282+50 | 13.4 | 11.4 | 9.7 | 1.7 |
| 282+50 | TO | 282+80 | 8.3 | 7.1 | 5.3 | 1.8 |
| 282+80 | TO | 283+00 | 5.7 | 4.9 | 3.5 | 1.4 |
| 283+00 | TO | 283+50 | 15.7 | 13.4 | 9.7 | 3.7 |
| 283+50 | TO | 284+00 | 16.7 | 14.2 | 12.0 | 2.1 |
| 284+00 | TO | 284+50 | 15.7 | 13.4 | 13.0 | 0.4 |
| 284+50 | TO | 285+00 | 16.7 | 14.2 | 13.4 | 0.7 |
| 285+00 | TO | 285+50 | 17.6 | 15.0 | 14.8 | 0.1 |
| 285+50 | TO | 286+00 | 16.2 | 13.8 | 16.2 | -2.4 |
| 286+00 | TO | 286+29 | 8.9 | 7.5 | 9.1 | -1.6 |
| 286+29 | TO | 286+50 | 5.1 | 4.3 | 5.6 | -1.3 |
| 286+50 | TO | 286+94 | 3.7 | 3.1 | 5.3 | -2.2 |
| SUBTOTAL | | | 2287.9 | 1944.7 | 906.8 | 1037.8 |

| SUMMARY | |
|-------------------------|-----------------------------|
| 20200100 | 20400800 |
| EARTH EXCAVATION | FURNISHED EXCAVATION |
| (CU YD) | (CU YD) |
| 2,288 | 0 |

| | | | |
|--|----------------------------|------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civ1\1\EWS_180016_01.SHT | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| Default | | DATE - | REVISED - |
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

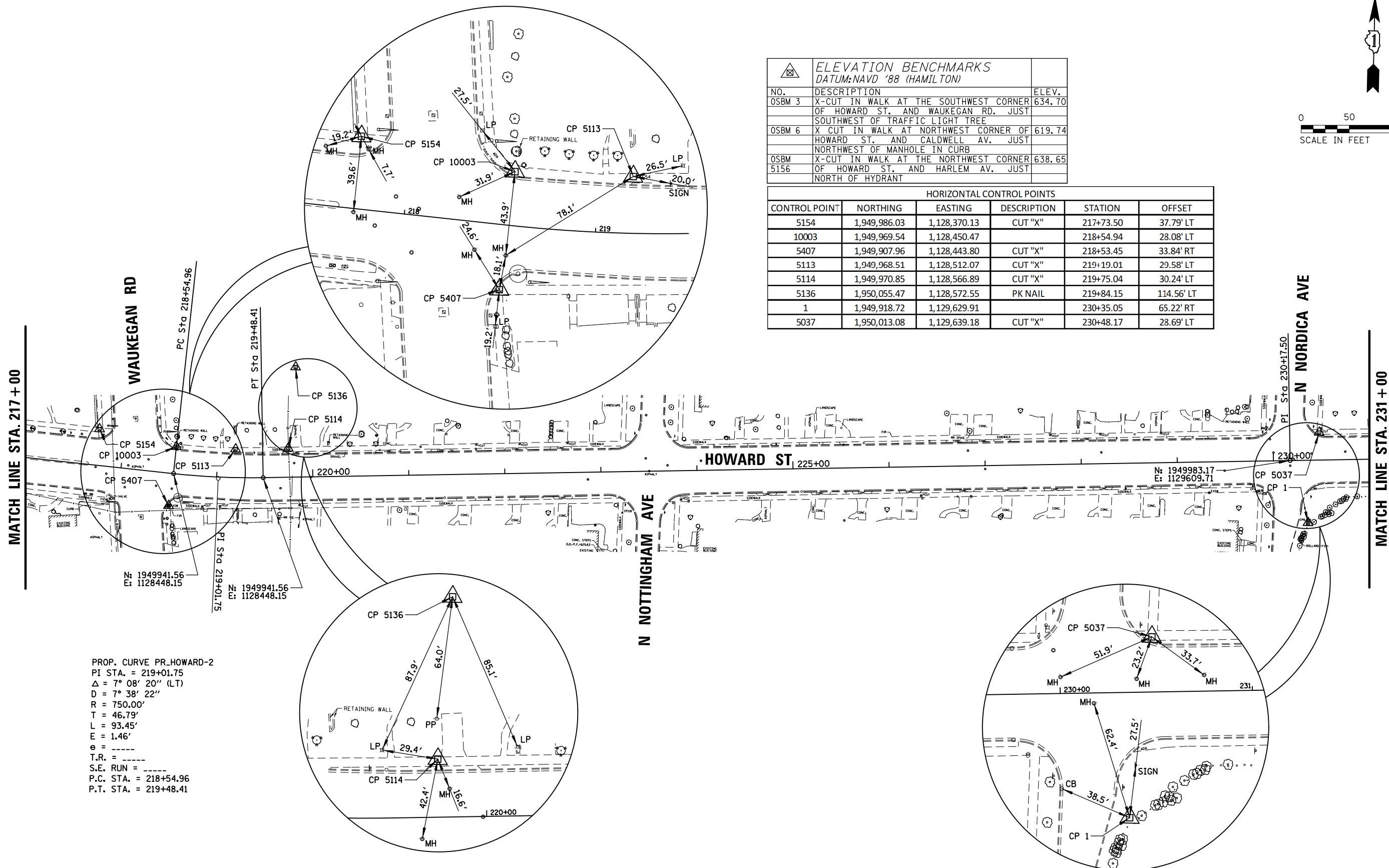
**HOWARD STREET IMPROVEMENTS
EARTHWORK SCHEDULE**

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

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 14 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE NOTED | |
| | FILE NAME | |
| | NO. | |

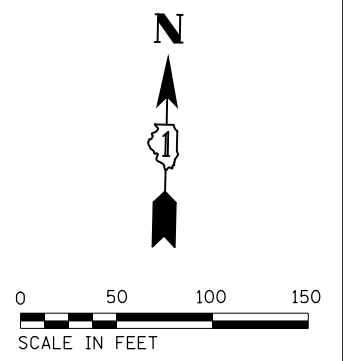
| | | |
|---------|-------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE NOTED | |
| | FILE NAME | |
| | NO. | |



PROP. CURVE PR_HOWARD-2
 PI STA. = 219+01.75
 $\Delta = 7^\circ 08' 20''$ (LT)
 $D = 7^\circ 38' 22''$
 $R = 750.00'$
 $T = 46.79'$
 $L = 93.45'$
 $E = 1.46'$
 $e =$ -----
 $T.R. =$ -----
 $S.E. RUN =$ -----
 $P.C. STA. = 218+54.96$
 $P.T. STA. = 219+48.41$

| ELEVATION BENCHMARKS DATUM: NAVD '88 (HAMILTON) | | |
|--|---|--------|
| NO. | DESCRIPTION | ELEV. |
| OSBM 3 | X-CUT IN WALK AT THE SOUTHWEST CORNER OF HOWARD ST. AND WAUKEGAN RD. JUST SOUTHWEST OF TRAFFIC LIGHT TREE | 634.70 |
| OSBM 6 | X CUT IN WALK AT NORTHWEST CORNER OF HOWARD ST. AND CALDWELL AV. JUST NORTHWEST OF MANHOLE IN CURB | 619.74 |
| OSBM 5156 | X-CUT IN WALK AT THE NORTHWEST CORNER OF HOWARD ST. AND HARLEM AV. JUST NORTH OF HYDRANT | 638.65 |

| HORIZONTAL CONTROL POINTS | | | | | |
|---------------------------|--------------|--------------|-------------|-----------|------------|
| CONTROL POINT | NORTHING | EASTING | DESCRIPTION | STATION | OFFSET |
| 5154 | 1,949,986.03 | 1,128,370.13 | CUT "X" | 217+73.50 | 37.79' LT |
| 10003 | 1,949,969.54 | 1,128,450.47 | | 218+54.94 | 28.08' LT |
| 5407 | 1,949,907.96 | 1,128,443.80 | CUT "X" | 218+53.45 | 33.84' RT |
| 5113 | 1,949,968.51 | 1,128,512.07 | CUT "X" | 219+19.01 | 29.58' LT |
| 5114 | 1,949,970.85 | 1,128,566.89 | CUT "X" | 219+75.04 | 30.24' LT |
| 5136 | 1,950,055.47 | 1,128,572.55 | PK NAIL | 219+84.15 | 114.56' LT |
| 1 | 1,949,918.72 | 1,129,629.91 | | 230+35.05 | 65.22' RT |
| 5037 | 1,950,013.08 | 1,129,639.18 | CUT "X" | 230+48.17 | 28.69' LT |



FILE NAME = N:\NILES\180016\Civ11\BNH_180016_02.SHT
 Default

USER NAME = rhowellindgren
 PLOT SCALE = 1/8" = 1'-0"
 PLOT DATE = 11/21/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

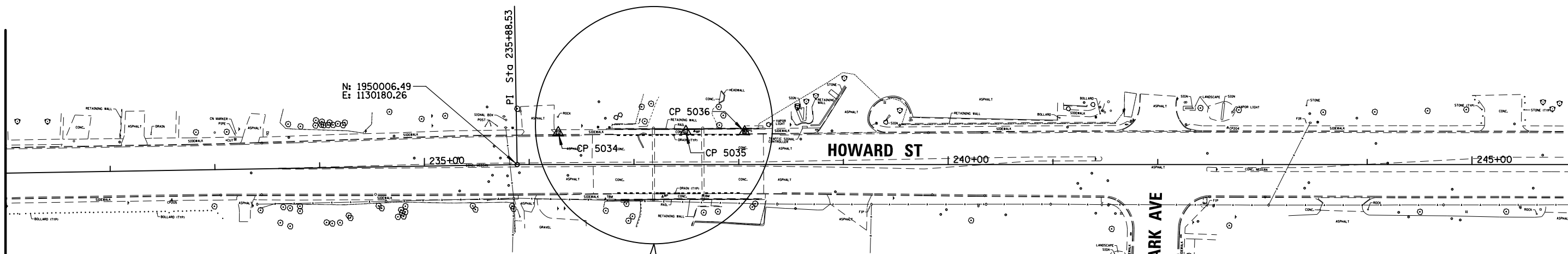
HOWARD STREET IMPROVEMENTS
 ALIGNMENT, TIES, AND BENCHMARKS
 SCALE: 1" = 50'
 SHEET 2 OF 6 SHEETS
 STA. 217+00 TO STA. 231+00

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 16 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

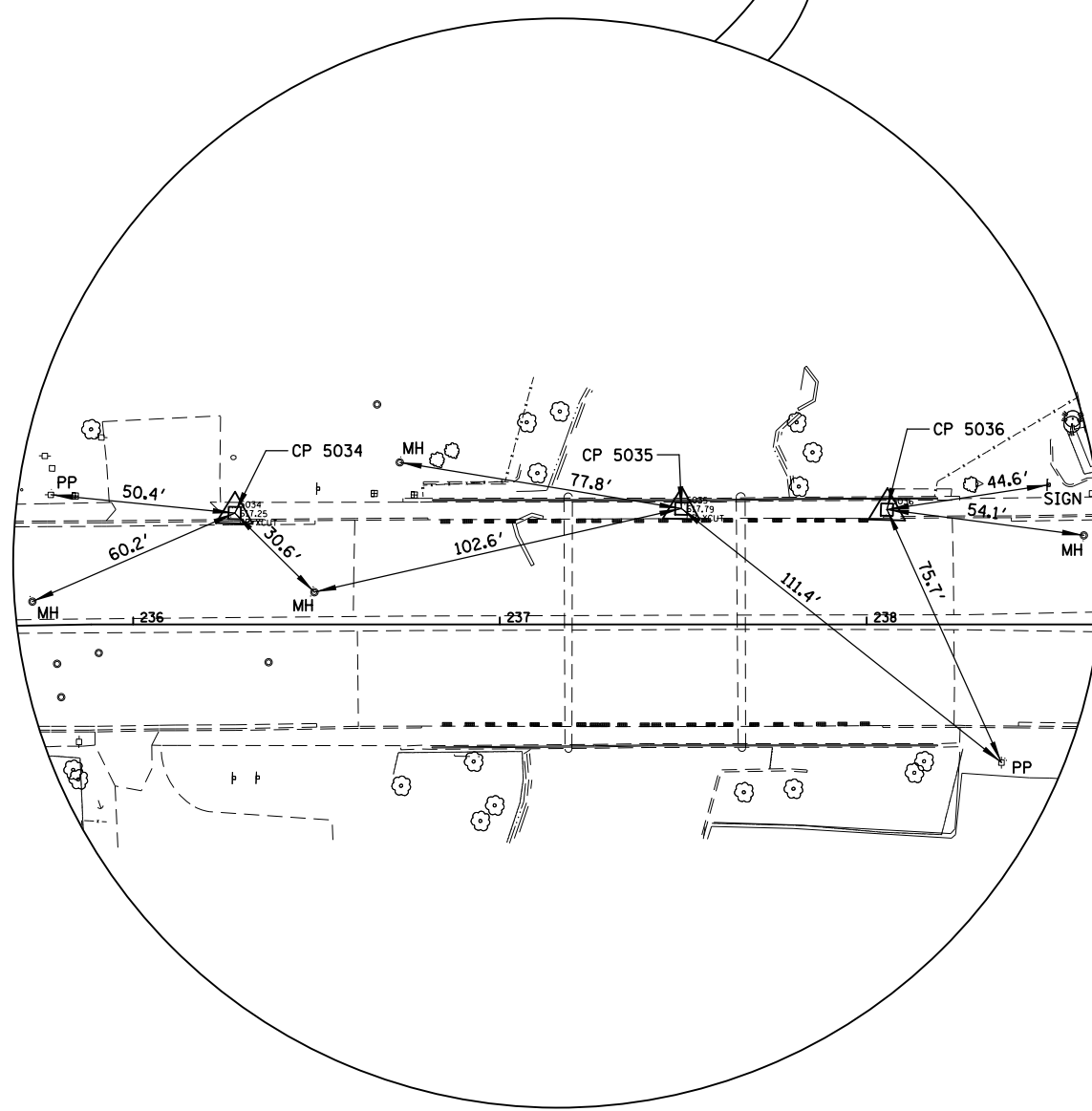
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| NOTE BOOK NO. | NOTATIS CHECKED | |

MATCH LINE STA. 231+00



MATCH LINE STA. 246+00



| HORIZONTAL CONTROL POINTS | | | | | |
|---------------------------|--------------|--------------|-------------|-----------|-----------|
| CONTROL POINT | NORTHING | EASTING | DESCRIPTION | STATION | OFFSET |
| 5034 | 1,950,037.84 | 1,130,218.69 | CUT "X" | 236+27.70 | 30.42' LT |
| 5035 | 1,950,041.99 | 1,130,340.41 | CUT "X" | 237+49.49 | 31.62' LT |
| 5036 | 1,950,043.06 | 1,130,396.48 | | 238+05.56 | 31.34' LT |



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Default

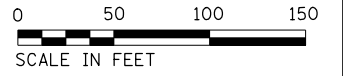
USER NAME = rhowellindgren
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 11/21/2019

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

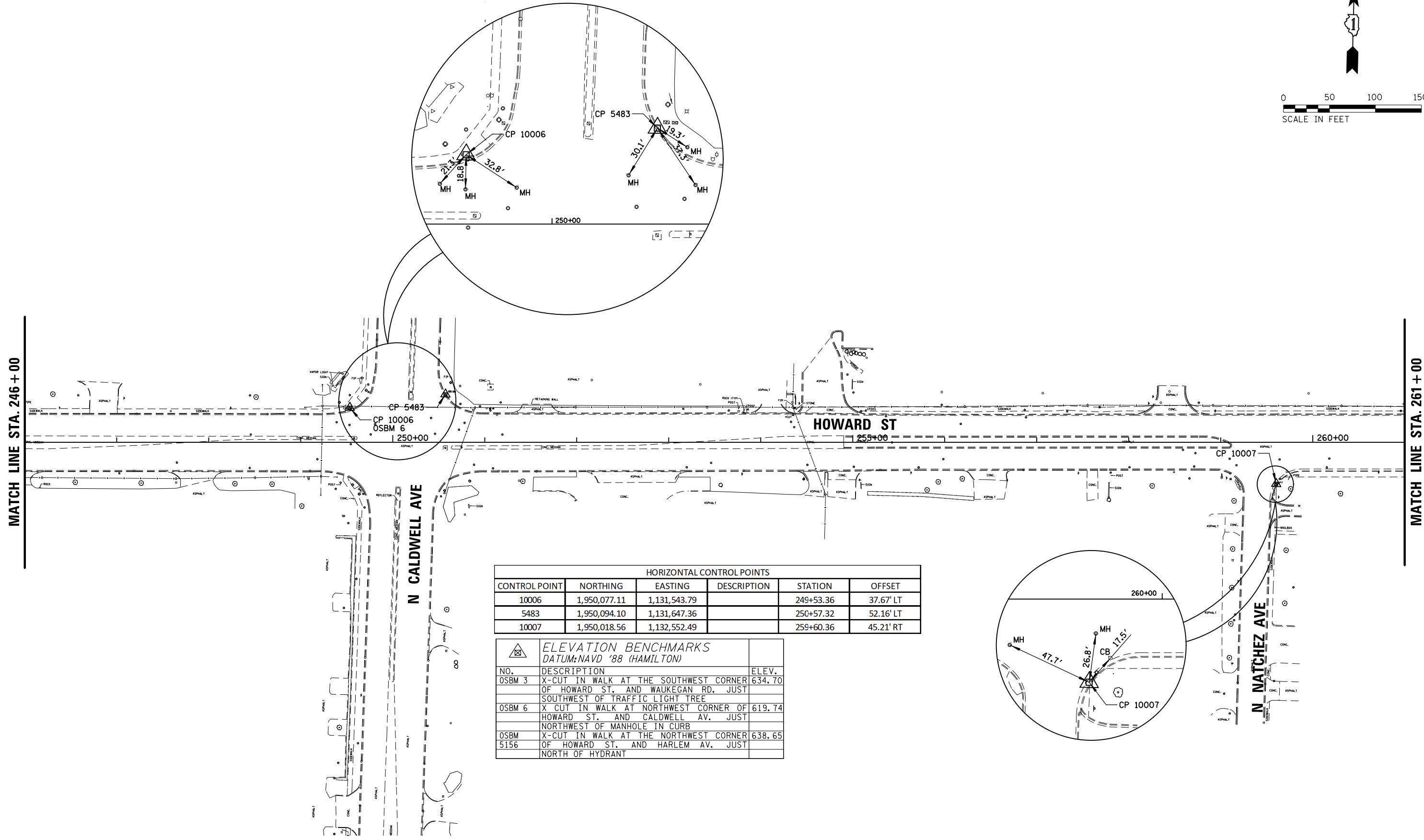
HOWARD STREET IMPROVEMENTS
ALIGNMENT, TIES, AND BENCHMARKS
SCALE: 1" = 50' SHEET 3 OF 6 SHEETS STA. 231+00 TO STA. 246+00

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 17 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



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| PLAN | SURVEYED | DATE |
| NOTE BOOK NO. | PLOTTED | BY |
| | ALIGNMENT CHECKED | |
| | ASPHALT LAYDOWN | |
| | PAVING FILE NAME | |

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



| HORIZONTAL CONTROL POINTS | | | | | |
|---------------------------|--------------|--------------|-------------|-----------|-----------|
| CONTROL POINT | NORTHING | EASTING | DESCRIPTION | STATION | OFFSET |
| 10006 | 1,950,077.11 | 1,131,543.79 | | 249+53.36 | 37.67' LT |
| 5483 | 1,950,094.10 | 1,131,647.36 | | 250+57.32 | 52.16' LT |
| 10007 | 1,950,018.56 | 1,132,552.49 | | 259+60.36 | 45.21' RT |

| ELEVATION BENCHMARKS DATUM: NAVD '88 (HAMILTON) | | |
|--|---|--------|
| NO. | DESCRIPTION | ELEV. |
| OSBM 3 | X-CUT IN WALK AT THE SOUTHWEST CORNER OF HOWARD ST. AND WAUKEGAN RD. JUST SOUTHWEST OF TRAFFIC LIGHT TREE | 634.70 |
| OSBM 6 | X CUT IN WALK AT NORTHWEST CORNER OF HOWARD ST. AND CALDWELL AV. JUST NORTHWEST OF MANHOLE IN CURB | 619.74 |
| OSBM 5156 | X-CUT IN WALK AT THE NORTHWEST CORNER OF HOWARD ST. AND HARLEM AV. JUST NORTH OF HYDRANT | 638.65 |

| | | | |
|--|----------------------------|------------|-----------|
| FILE NAME = N:\NILES\180016\Civ1\BNH\180016_04.SHT | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET 4 OF 6 SHEETS STA. 246+00 TO STA. 261+00

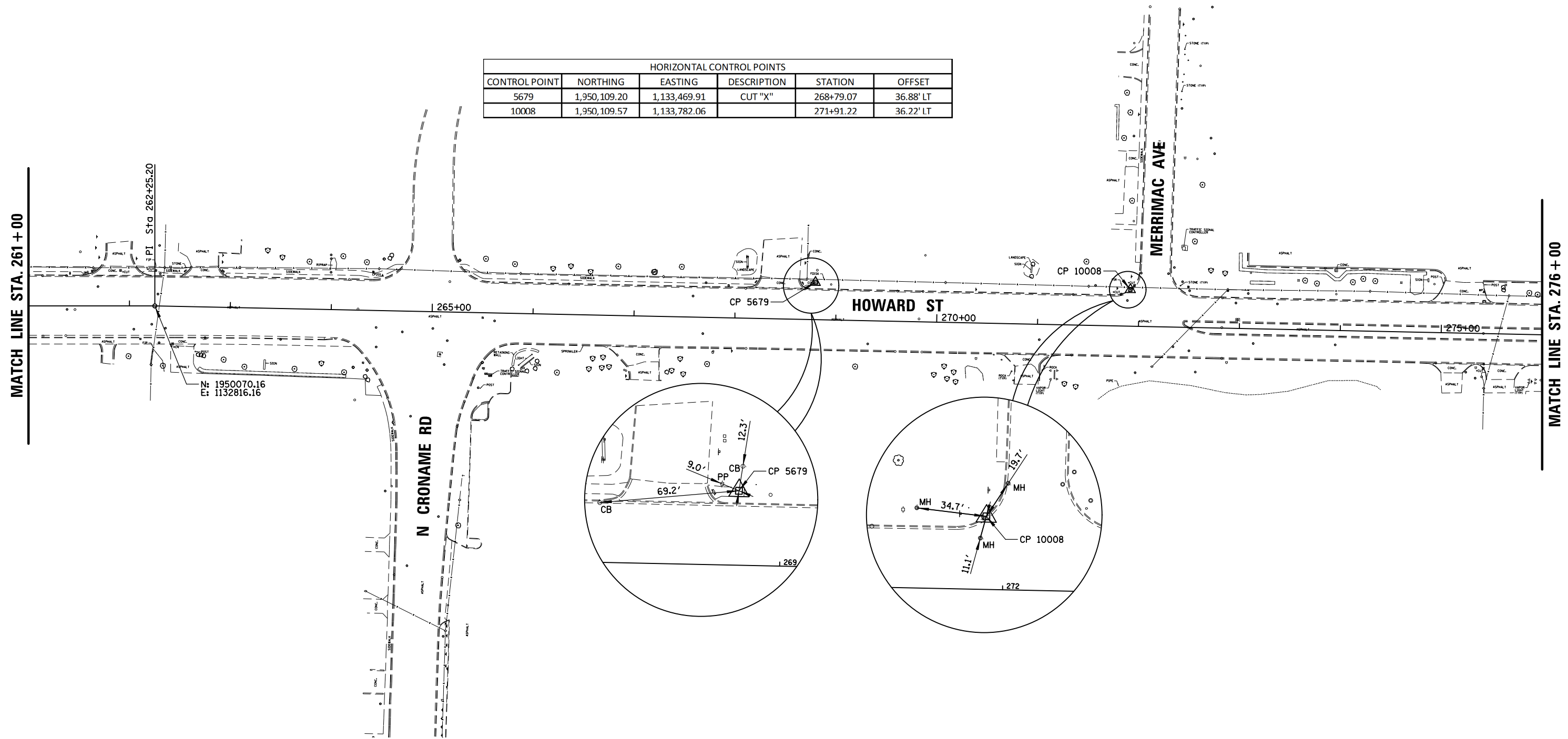
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| F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 18 |
| | | | | CONTRACT NO. 61G08 |
| ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
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| | NO. | |

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



| HORIZONTAL CONTROL POINTS | | | | | |
|---------------------------|--------------|--------------|-------------|-----------|-----------|
| CONTROL POINT | NORTHING | EASTING | DESCRIPTION | STATION | OFFSET |
| 5679 | 1,950,109.20 | 1,133,469.91 | CUT "X" | 268+79.07 | 36.88' LT |
| 10008 | 1,950,109.57 | 1,133,782.06 | | 271+91.22 | 36.22' LT |



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| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civ11\BNH_180016_05.SHT | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 1/8" | CHECKED - | REVISED - |
| | PLOT DATE = 11/21/2019 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

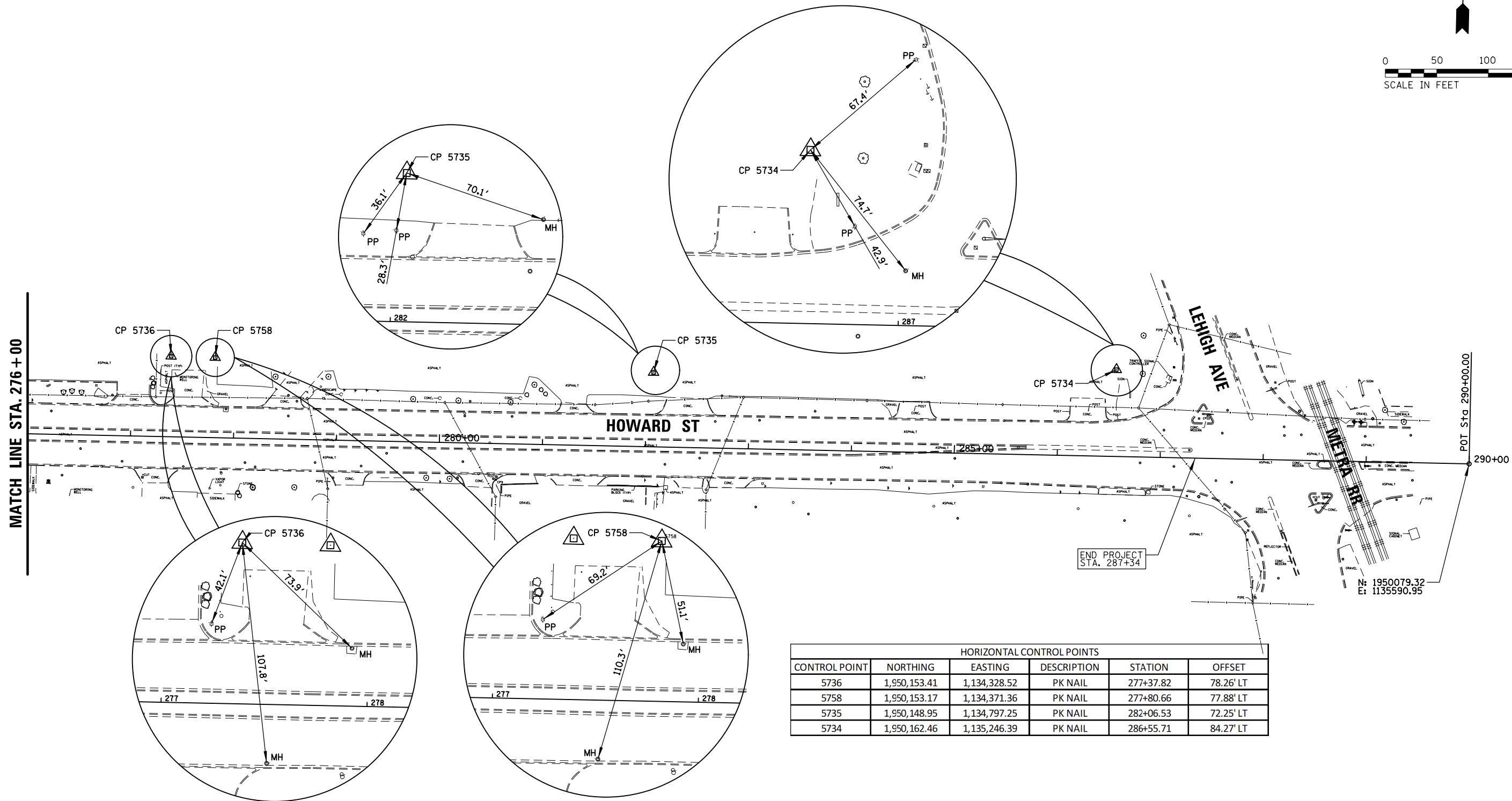
**HOWARD STREET IMPROVEMENTS
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET 5 OF 6 SHEETS STA. 261+00 TO STA. 276+00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 19 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
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| HORIZONTAL CONTROL POINTS | | | | | |
|---------------------------|--------------|--------------|-------------|-----------|-----------|
| CONTROL POINT | NORTHING | EASTING | DESCRIPTION | STATION | OFFSET |
| 5736 | 1,950,153.41 | 1,134,328.52 | PK NAIL | 277+37.82 | 78.26' LT |
| 5758 | 1,950,153.17 | 1,134,371.36 | PK NAIL | 277+80.66 | 77.88' LT |
| 5735 | 1,950,148.95 | 1,134,797.25 | PK NAIL | 282+06.53 | 72.25' LT |
| 5734 | 1,950,162.46 | 1,135,246.39 | PK NAIL | 286+55.71 | 84.27' LT |

FILE NAME = N:\NILES\180016\Civ1\BNH_180016_06.SHT
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USER NAME = rhowellindgren
 PLOT SCALE = 100'
 PLOT DATE = 11/21/2019

DESIGNED -
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 CHECKED -
 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

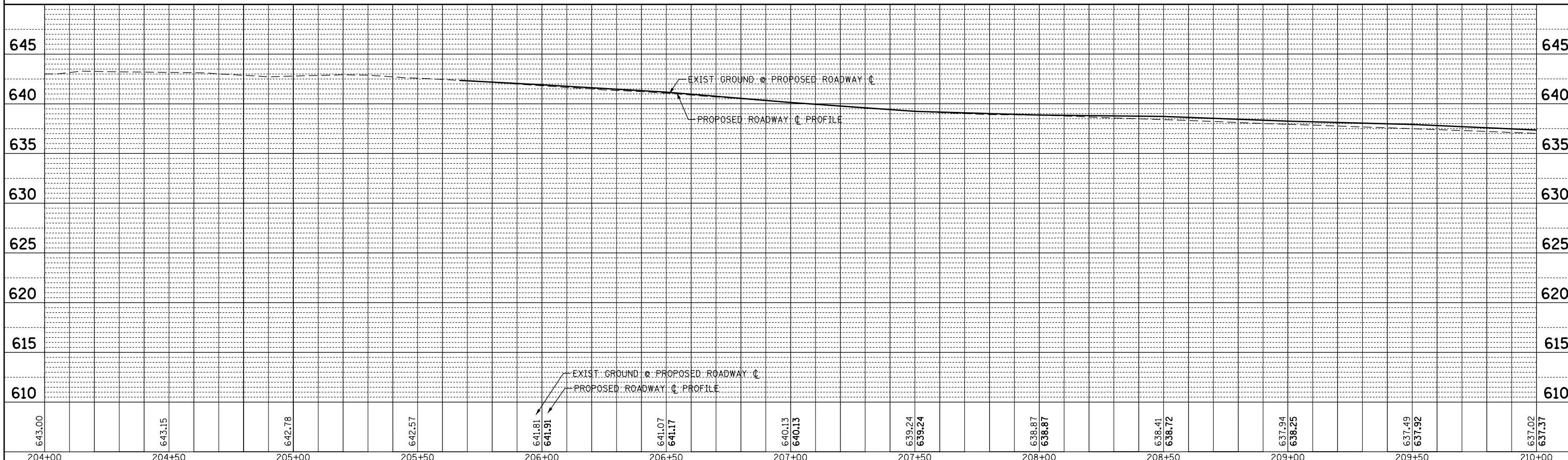
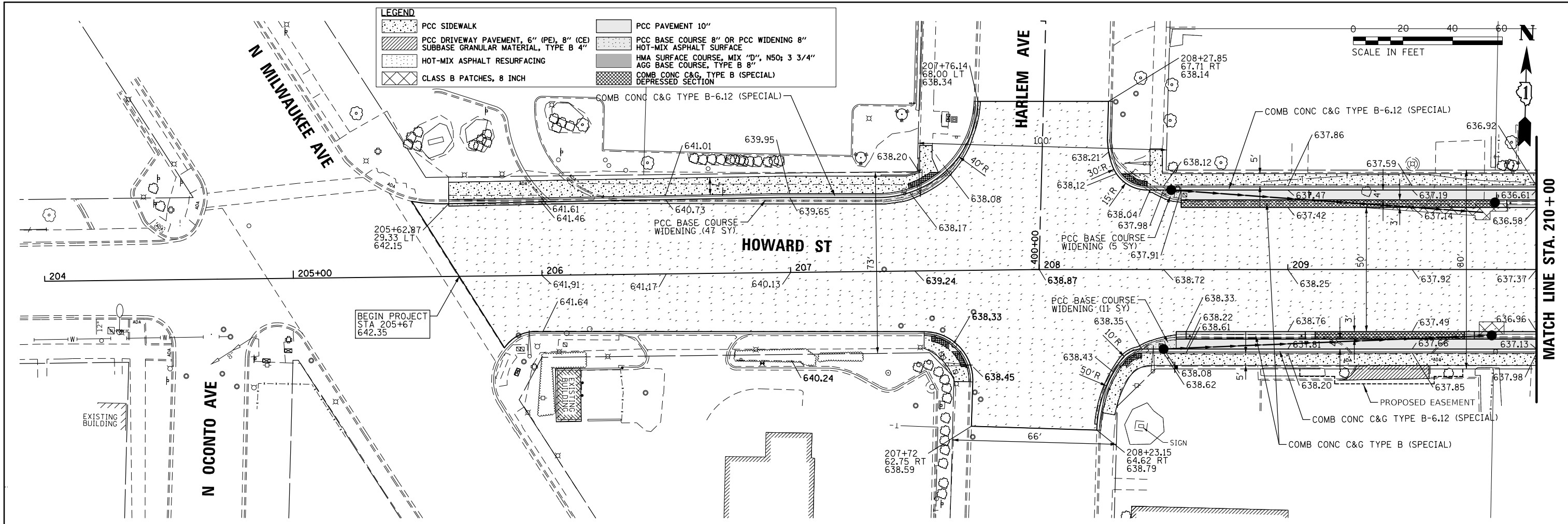
**HOWARD STREET IMPROVEMENTS
 ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET 6 OF 6 SHEETS STA. 276+00 TO STA. 290+00

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 20 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | FILE NAME | |



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| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

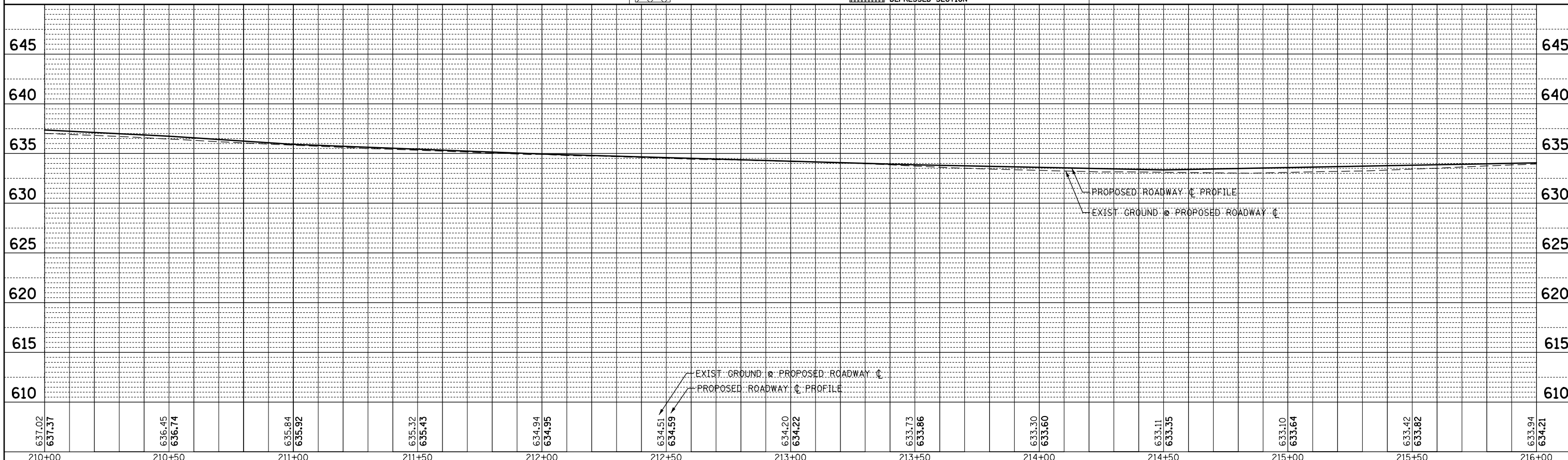
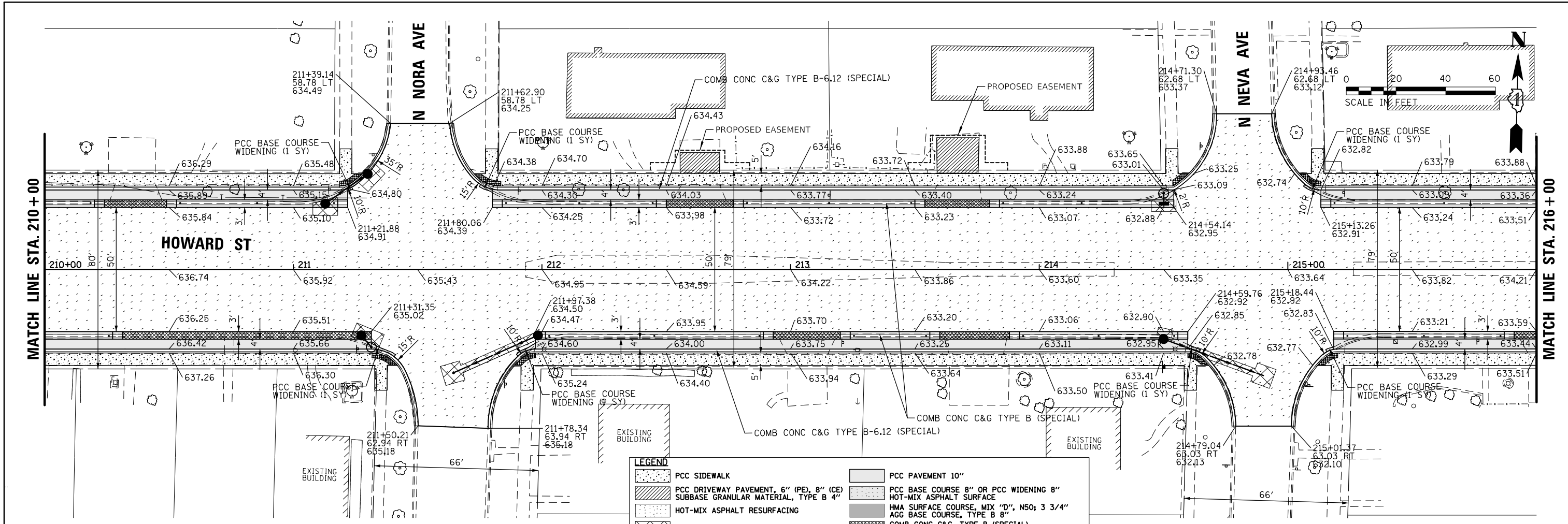
**HOWARD STREET IMPROVEMENTS
ROADWAY PLAN AND PROFILE**

| | | | | |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 36 |
| CONTRACT NO. 61G08 | | | ILLINOIS FED. AID PROJECT | |

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

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

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|--------------------|--|
| DATE | |
| BY | |
| PROFILE | |
| SURVEYED | |
| PLOTTED | |
| GRADES CHECKED | |
| NOTE BOOK | |
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| STRUCTURE | |
| NOT AT THIS OFFICE | |



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| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civ1\PRF_180016_02.SHT | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

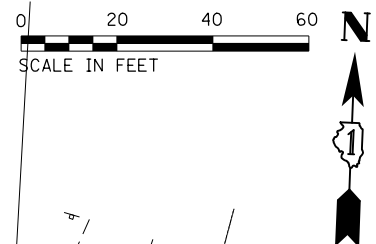
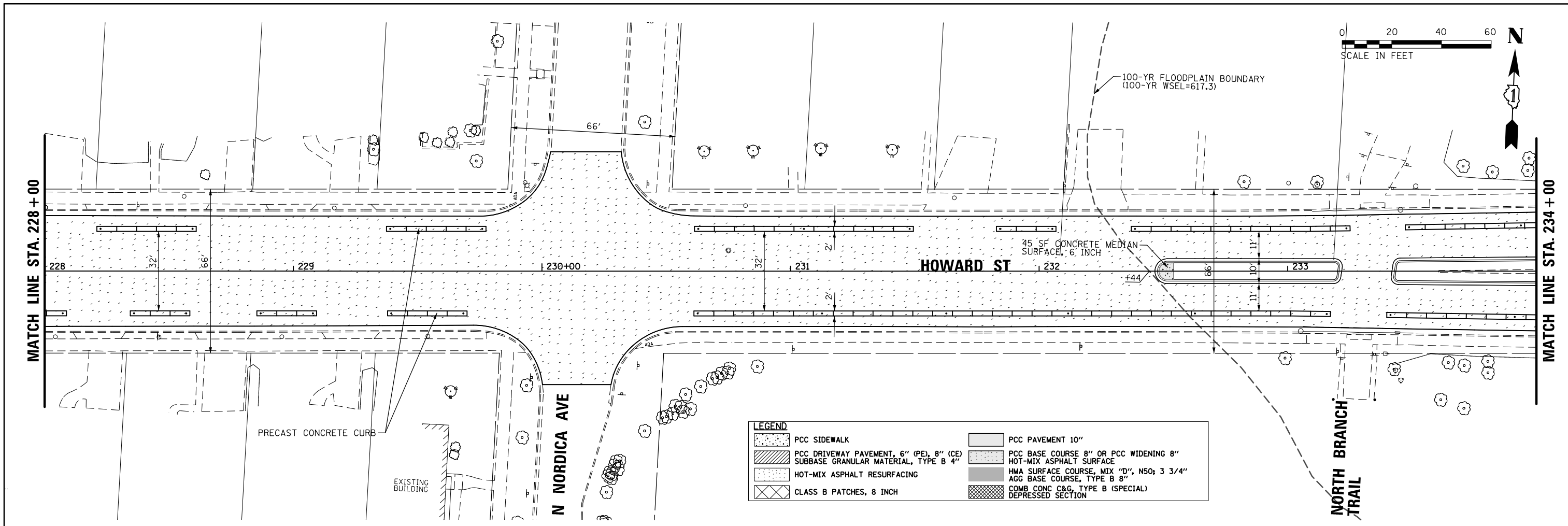
HOWARD STREET IMPROVEMENTS
ROADWAY PLAN AND PROFILE

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

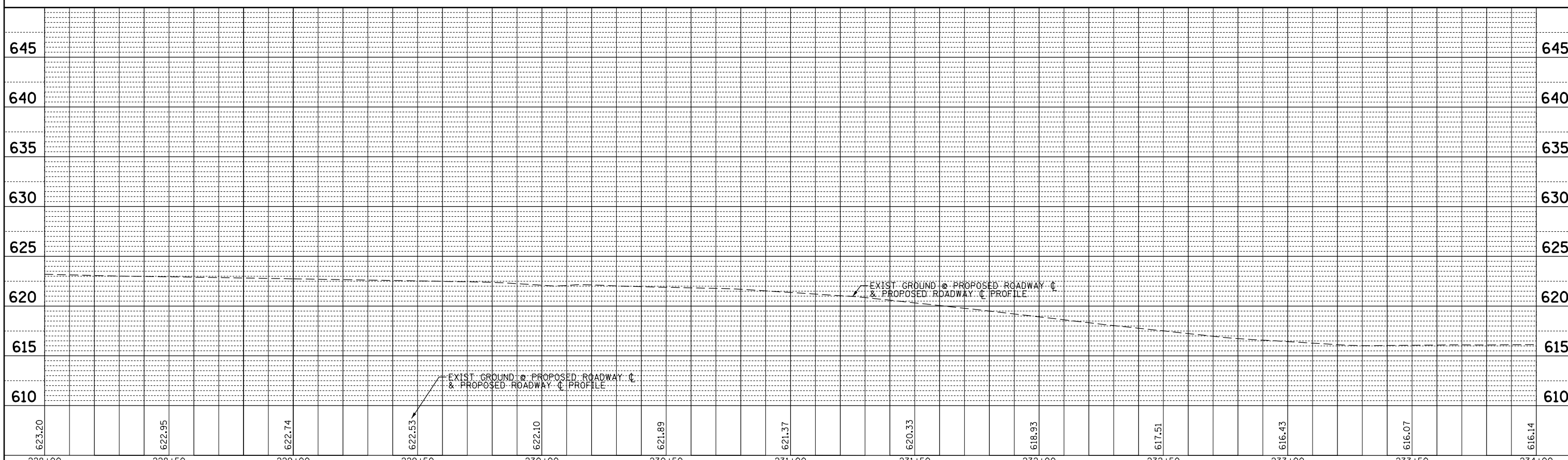
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

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



| LEGEND | |
|--------|---|
| | PCC SIDEWALK |
| | PCC DRIVEWAY PAVEMENT, 6" (PE), 8" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4" |
| | HOT-MIX ASPHALT RESURFACING |
| | CLASS B PATCHES, 8 INCH |
| | PCC PAVEMENT 10" |
| | PCC BASE COURSE 8" OR PCC WIDENING 8" HOT-MIX ASPHALT SURFACE |
| | HMA SURFACE COURSE, MIX "D", NSO; 3 3/4" AGG BASE COURSE, TYPE B 8" |
| | COMB CONC C&G, TYPE B (SPECIAL) DEPRESSED SECTION |



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| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civ11\PRF_180016_05.SHT | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

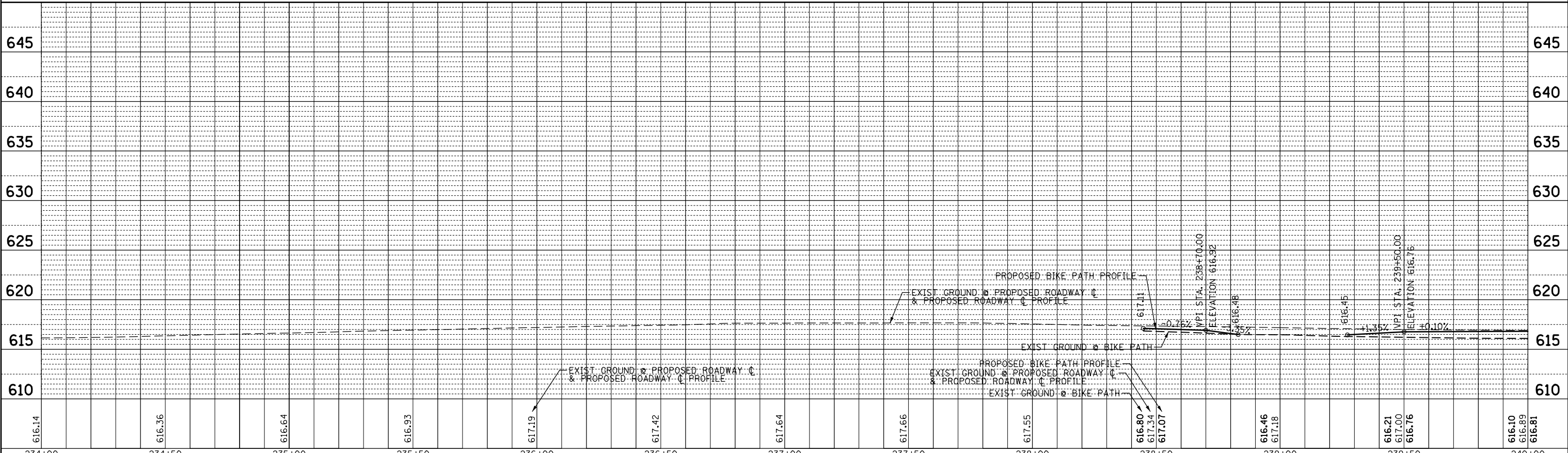
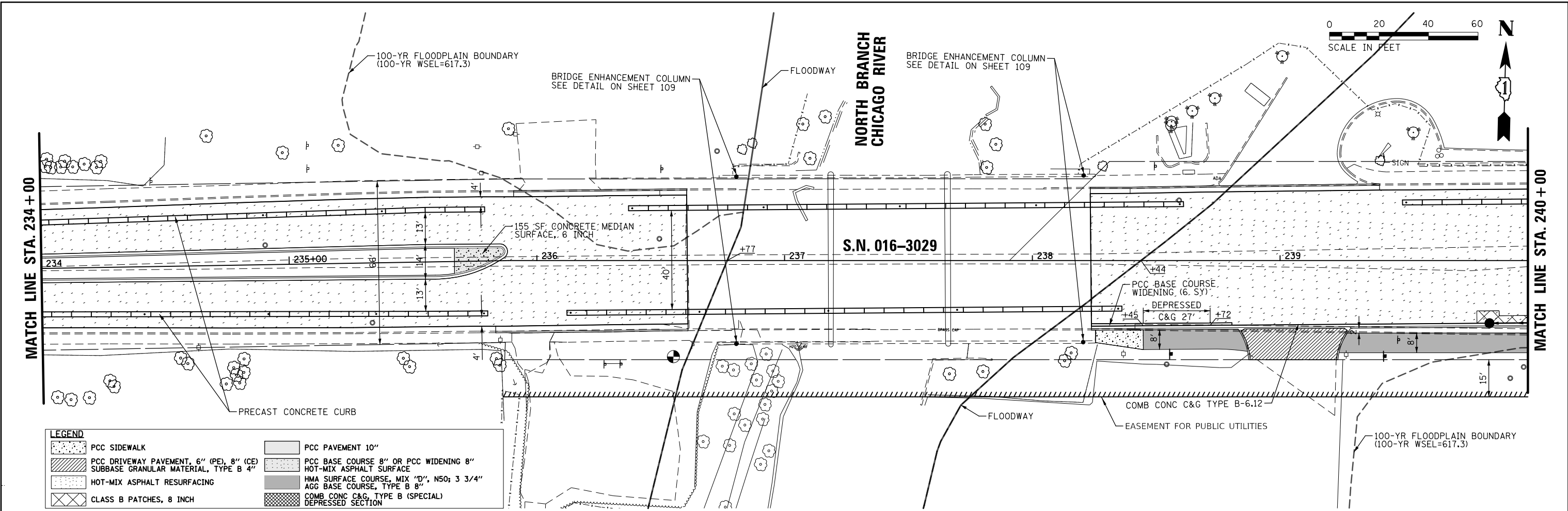
HOWARD STREET IMPROVEMENTS
ROADWAY PLAN AND PROFILE

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 40 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

| | | |
|------|-----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
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| | NO. _____ | |
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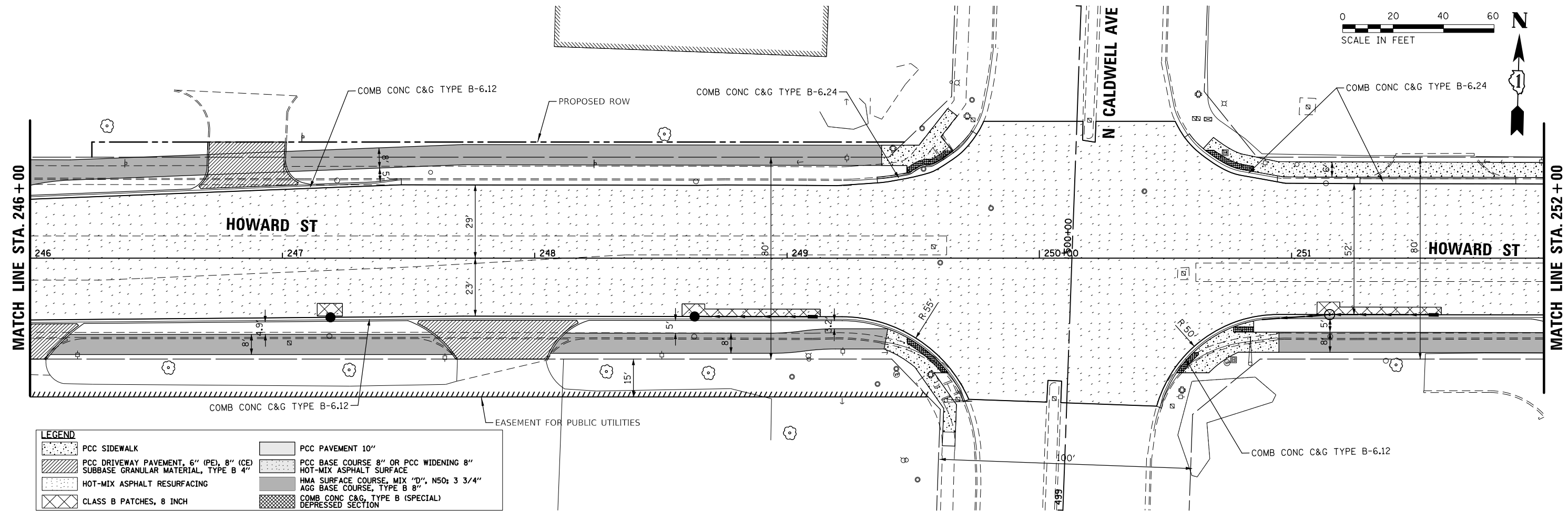
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|--|----------------------------|------------|-----------|---|--|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS ROADWAY PLAN AND PROFILE | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\NILES\180016\Civ1\PRF_180016_06.SHT | | DRAWN - | REVISED - | | | 1334 | 13-00116-00-TL | COOK | 221 | 41 |
| PLOT SCALE = 48' | | CHECKED - | REVISED - | | | CONTRACT NO. 61G08 | | | | |
| PLOT DATE = 11/21/2019 | | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |

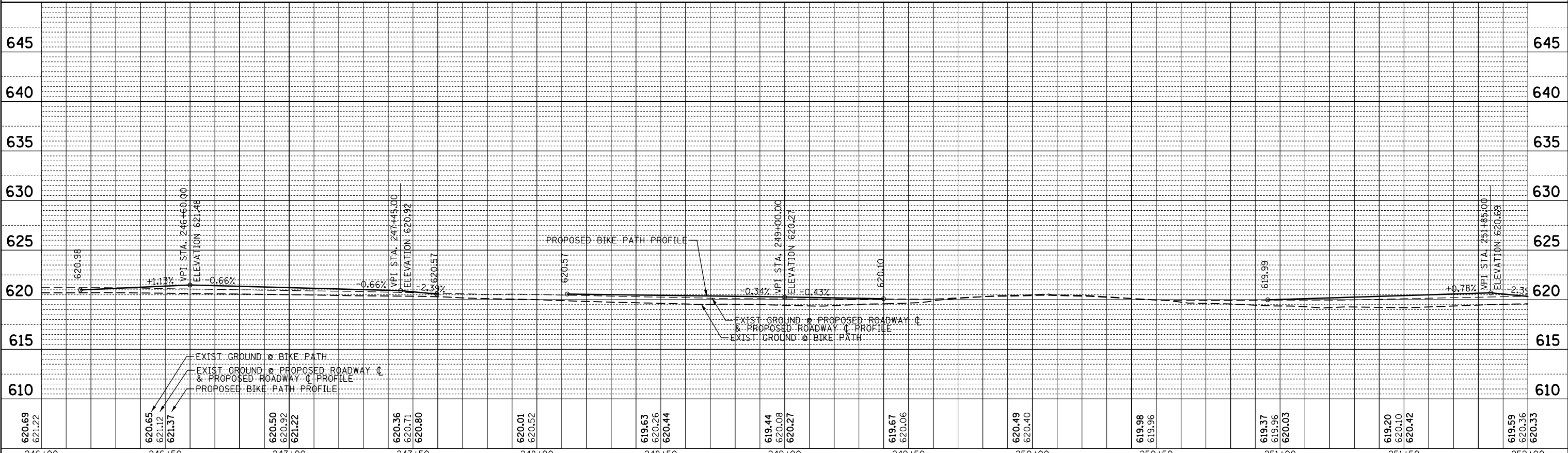
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|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | CARD FILE NAME | |

| | | |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | CARD FILE NAME | |



LEGEND

| | | | |
|--|---|--|--|
| | PCC SIDEWALK | | PCC PAVEMENT 10" |
| | PCC DRIVEWAY PAVEMENT, 6" (PE), 8" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4" | | PCC BASE COURSE 8" OR PCC WIDENING 8" |
| | HOT-MIX ASPHALT RESURFACING | | HOT-MIX ASPHALT SURFACE |
| | CLASS B PATCHES, 8 INCH | | HMA SURFACE COURSE, MIX "D", NSO; 3 3/4" AGG BASE COURSE, TYPE B 8" |
| | | | COMB CONC C&G, TYPE B (SPECIAL) |
| | | | DEPRESSED SECTION |

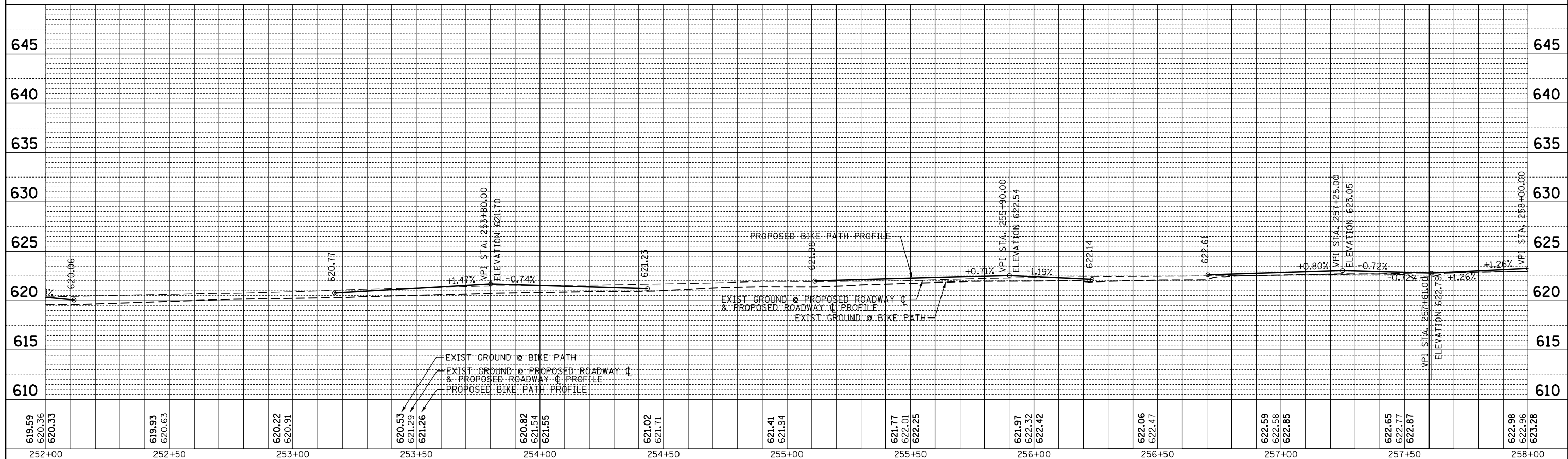
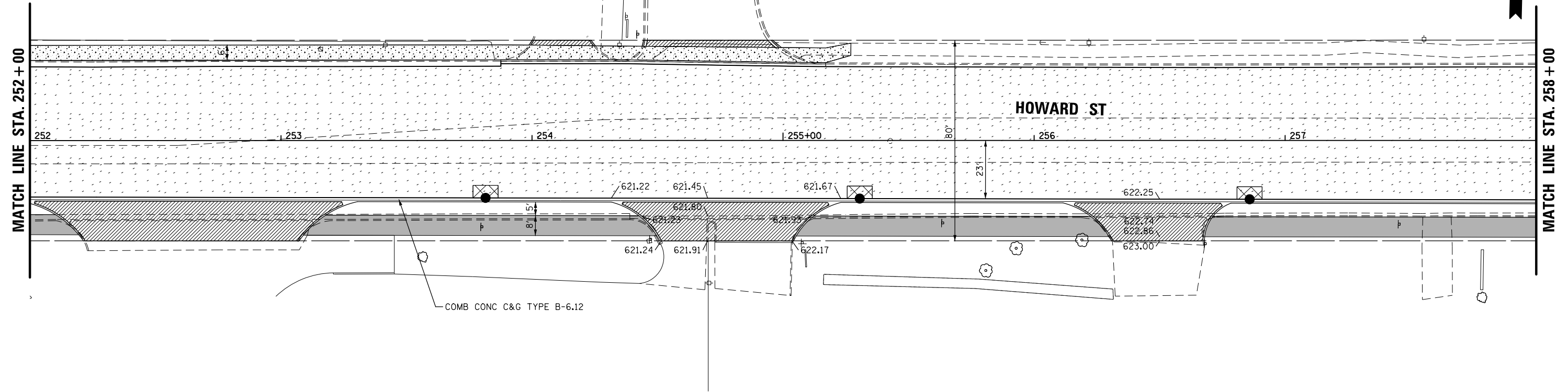
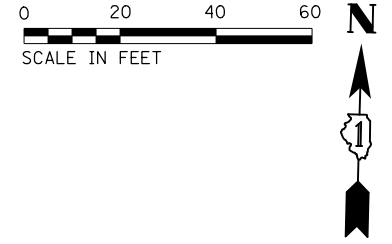


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|--|---------------------------|------------|-----------|---|--|-------|----|--------|------------------|------------------------|-------------|--------------------|--------------|
| FILE NAME = N:\NILES\180016\Civ1\PRF_180016_08.SHT | USER NAME = rhowellndgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS ROADWAY PLAN AND PROFILE | | | | F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 43 |
| PLOT SCALE = 48' | PLOT DATE = 11/21/2019 | DRAWN - | REVISED - | | SCALE: 1" = 20' | SHEET | OF | SHEETS | STA. | TO | STA. | CONTRACT NO. 61G08 | |
| | | CHECKED - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | | |
| | | DATE - | REVISED - | | | | | | | | | | |

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

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

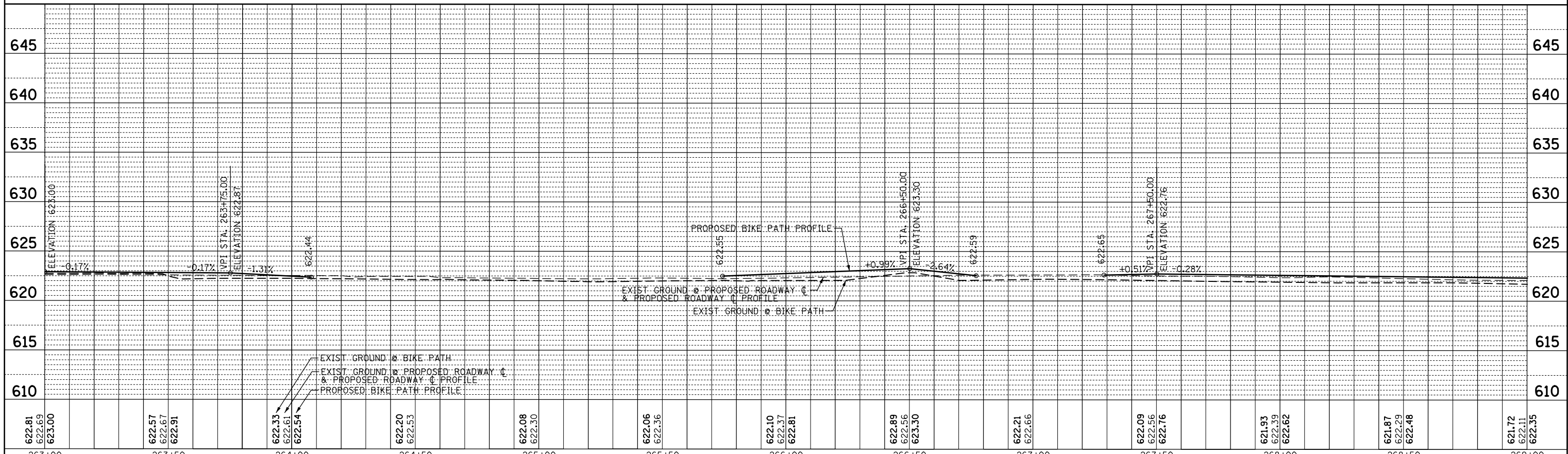
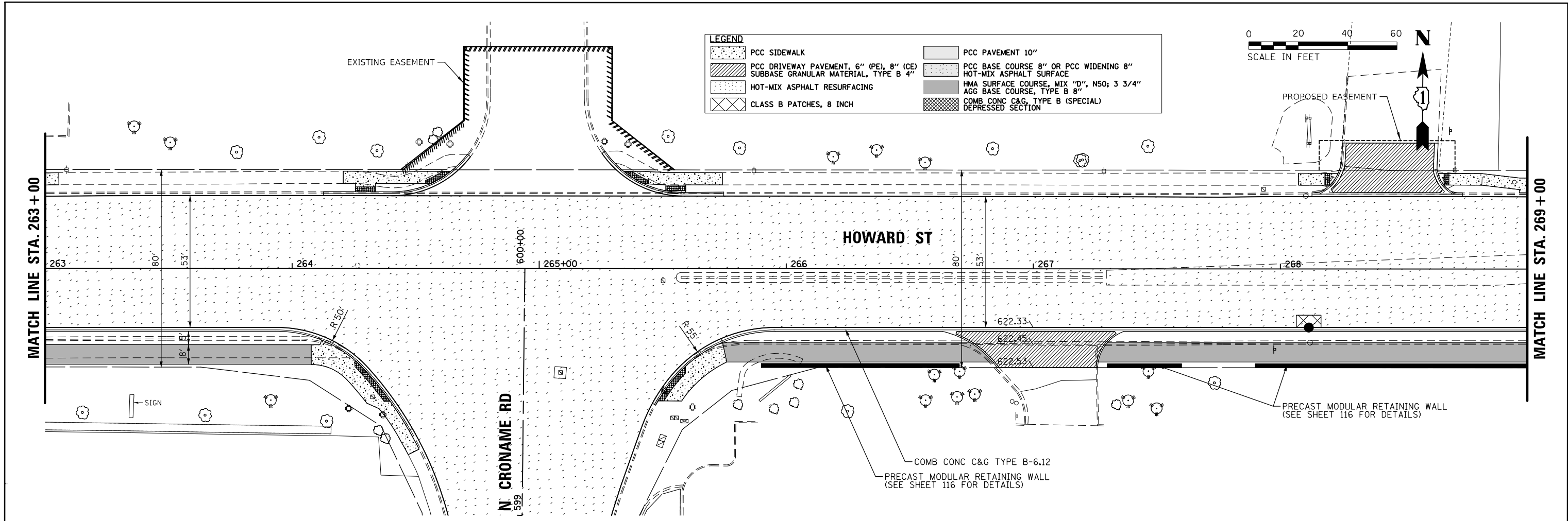
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|--|---|--|--|
| | PCC SIDEWALK | | PCC PAVEMENT 10" |
| | PCC DRIVEWAY PAVEMENT, 6" (PE), 8" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4" | | PCC BASE COURSE 8" OR PCC WIDENING 8" |
| | HOT-MIX ASPHALT RESURFACING | | HOT-MIX ASPHALT SURFACE |
| | CLASS B PATCHES, 8 INCH | | HMA SURFACE COURSE, MIX "D", N50; 3 3/4" |
| | | | AGG BASE COURSE, TYPE B 8" |
| | | | COMB CONC C&G, TYPE B (SPECIAL) DEPRESSED SECTION |



| | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|--|--|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS ROADWAY PLAN AND PROFILE | | F.A.S. RT. = | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\NILES\180016\Civ1\PRF_180016_09.SHT | | DRAWN - | REVISED - | | | | 1334 | 13-00116-00-TL | COOK | 221 | 44 |
| PLOT SCALE = 48' | | CHECKED - | REVISED - | | | | CONTRACT NO. 61G08 | | | | |
| PLOT DATE = 11/21/2019 | | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNED | CHECKED |
| | NOTED | FILED |
| | NO. | NO. |
| | NO. | NO. |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | CHECKED |
| | STRUCTURE NOTATIONS CHECKED | FILED |
| | NO. | NO. |
| | NO. | NO. |



| | | | | | | | | | | | | |
|----------------------------|----------------------------|----------------------------|------------------|------------------|------------------|----------------------------|----------------------------|------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 622.81 622.69 623.00 | 622.57 622.67 622.91 | 622.33 622.61 622.54 | 622.20 622.53 | 622.08 622.30 | 622.06 622.36 | 622.10 622.37 622.81 | 622.89 622.56 623.30 | 622.21 622.66 | 622.09 622.56 622.76 | 621.93 622.39 622.62 | 621.87 622.29 622.48 | 621.72 622.11 622.35 |
| 263+00 | 263+50 | 264+00 | 264+50 | 265+00 | 265+50 | 266+00 | 266+50 | 267+00 | 267+50 | 268+00 | 268+50 | 269+00 |

FILE NAME = N:\NILES\180016\Civil\PRF_180016_11.SHT
 USER NAME = rhowellndgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

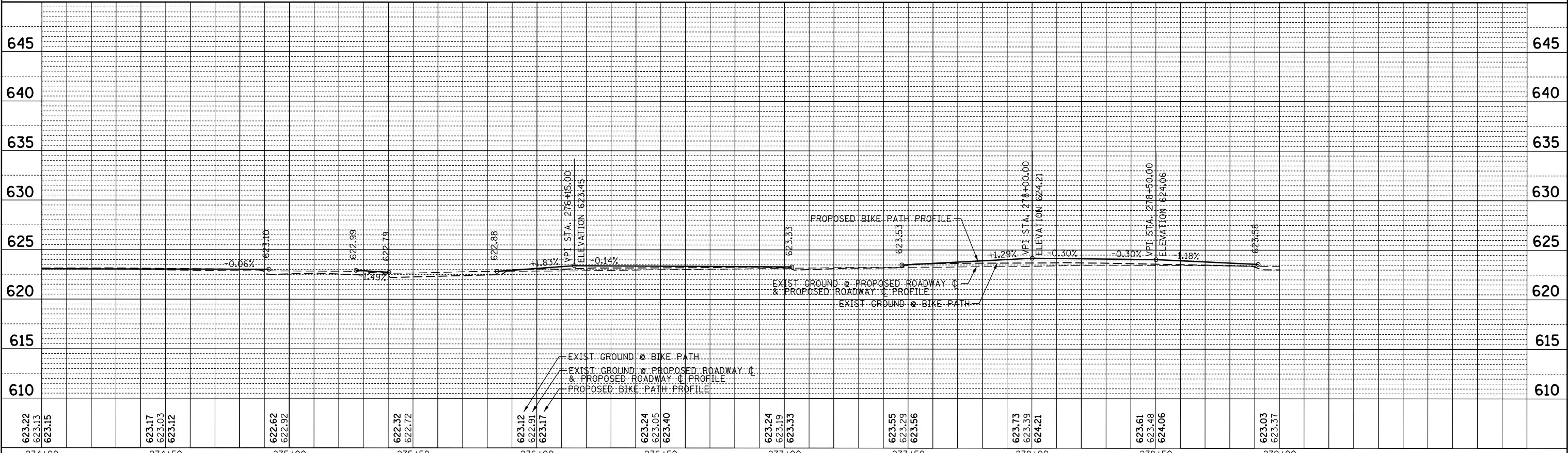
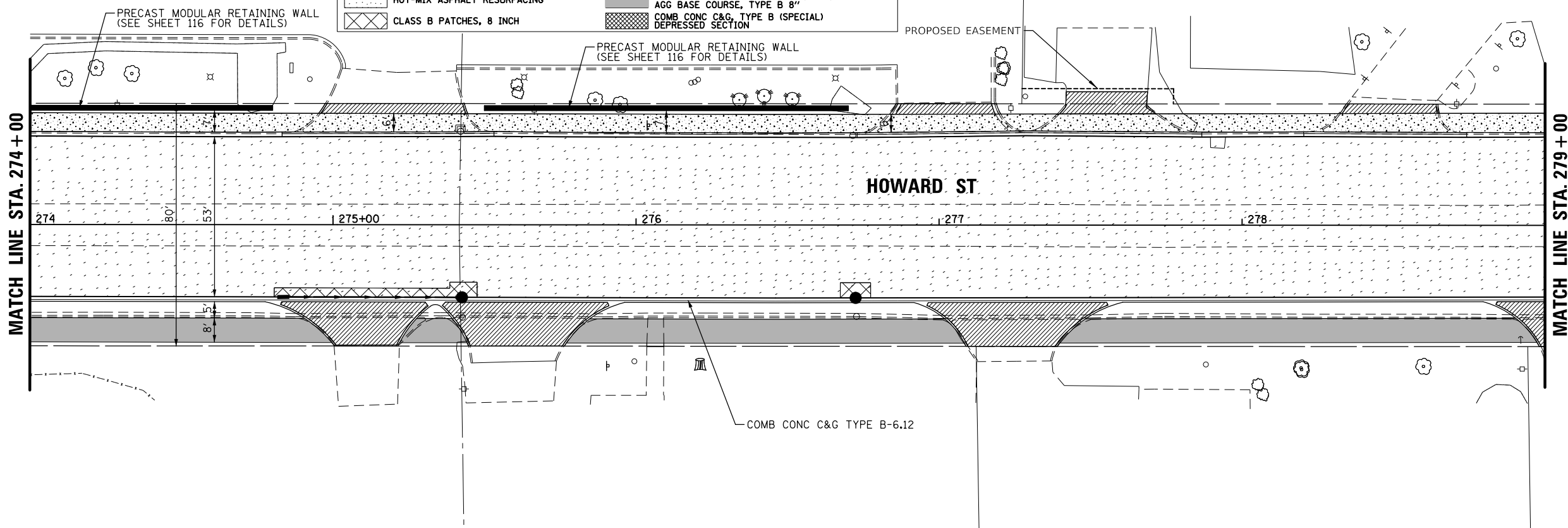
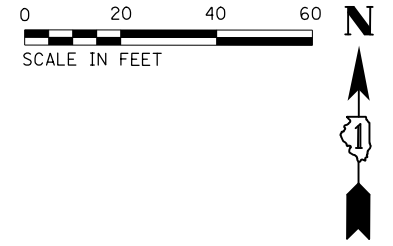
HOWARD STREET IMPROVEMENTS
 ROADWAY PLAN AND PROFILE
 SCALE: 1" = 20'
 SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 46 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|-----------|-----------------------------|------|
| PLAN | REVIEWED | DATE |
| NOTE BOOK | PLOTTED | BY |
| NO. | ALIGNMENT CHECKED | |
| | GRADE CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | CADD FILE NAME | |

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

| LEGEND | |
|--------|---|
| | PCC SIDEWALK |
| | PCC DRIVEWAY PAVEMENT, 6" (PE), 8" (CE) |
| | SUBBASE GRANULAR MATERIAL, TYPE B 4" |
| | HOT-MIX ASPHALT RESURFACING |
| | CLASS B PATCHES, 8 INCH |
| | PCC PAVEMENT 10" |
| | HOT-MIX ASPHALT SURFACE |
| | HMA SURFACE COURSE, MIX "D", N50; 3 3/4" |
| | ACG BASE COURSE, TYPE B 8" |
| | COMB CONC C&G, TYPE B (SPECIAL) DEPRESSED SECTION |

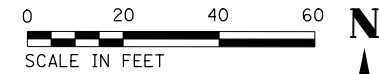


| | | | | | | | | | | |
|----------------------------|----------------------------|------------------|------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------|
| 623.22 623.13 623.15 | 623.17 623.03 623.12 | 622.62 622.92 | 622.32 622.72 | 623.12 622.91 623.17 | 623.24 623.05 623.40 | 623.24 623.19 623.33 | 623.55 623.29 623.56 | 623.73 623.39 624.21 | 623.61 623.48 624.06 | 623.03 623.37 |
| 274+00 | 274+50 | 275+00 | 275+50 | 276+00 | 276+50 | 277+00 | 277+50 | 278+00 | 278+50 | 279+00 |

| | | | |
|---|----------------------------|------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civil\PRF_180016_13.SHT | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
| | | | |

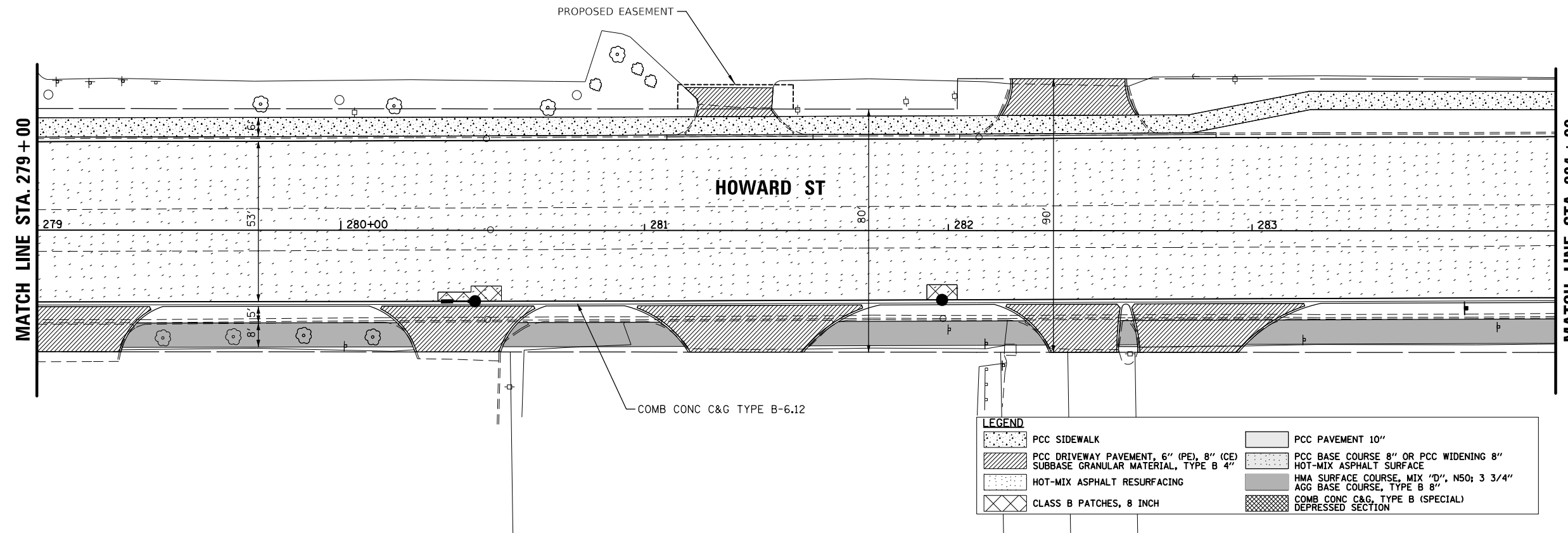
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|---|-------|--|---------|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | HOWARD STREET IMPROVEMENTS ROADWAY PLAN AND PROFILE | |
| SCALE: 1" = 20' | SHEET | OF | SHEETS |
| | STA. | | TO STA. |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 48 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

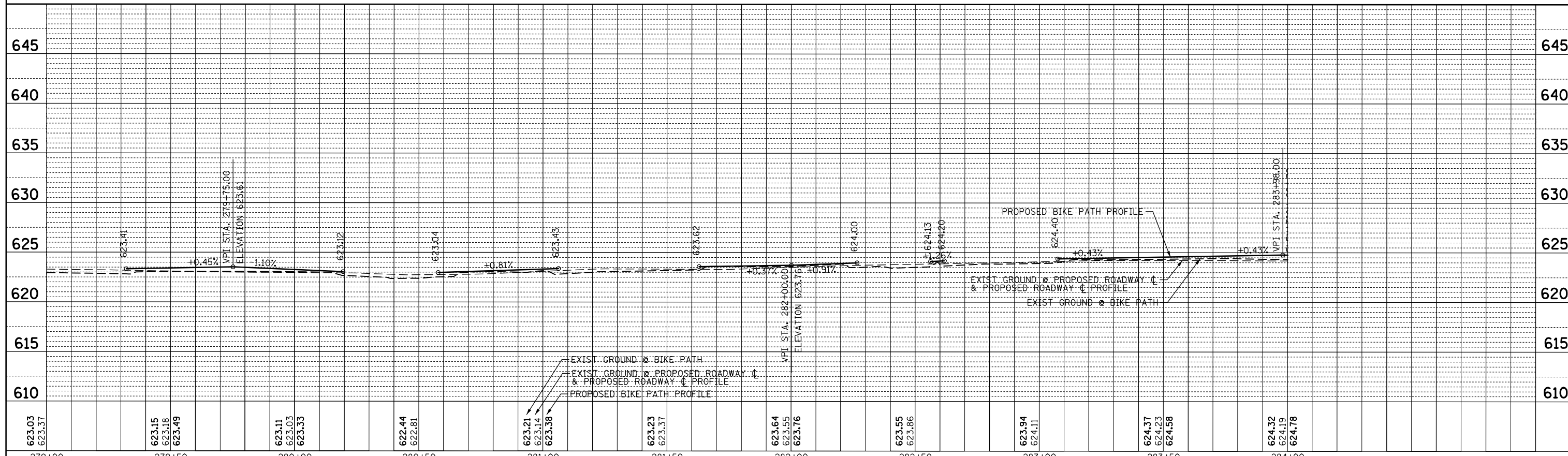


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| PLAN | REVISIONS | DATE |
| NO. | BY | |
| NOTE BOOK | ALIGNED | CHECKED |
| | NO. | DATE |
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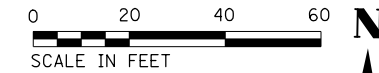
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| PROFILE | REVISIONS | DATE |
| NO. | BY | |
| NOTE BOOK | GRADES CHECKED | CHECKED |
| | STRUCTURE | NOTATIONS |
| | CHFD | |



| LEGEND | |
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| | PCC SIDEWALK |
| | PCC DRIVEWAY PAVEMENT, 6" (PE), 8" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4" |
| | HOT-MIX ASPHALT RESURFACING |
| | CLASS B PATCHES, 8 INCH |
| | PCC PAVEMENT 10" |
| | PCC BASE COURSE 8" OR PCC WIDENING 8" HOT-MIX ASPHALT SURFACE |
| | HMA SURFACE COURSE, MIX "D", N50; 3 3/4" AGG BASE COURSE, TYPE B 8" |
| | COMB CONC C&G, TYPE B (SPECIAL) DEPRESSED SECTION |



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|---|---------------------------|-------------|---------------------------|---|--|--|------------------|------------------------|-------------|------------------|--------------|
| FILE NAME = N:\NILES\180016\Civil\PRF_180016_14.SHT | USER NAME = rhowellndgren | DESIGNED - | REVISIONS - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS ROADWAY PLAN AND PROFILE | | F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 49 |
| PLOT SCALE = 48' | CHECKED - | REVISIONS - | CONTRACT NO. 61G08 | | | | | | | | |
| PLOT DATE = 11/21/2019 | DATE - | REVISIONS - | ILLINOIS FED. AID PROJECT | | | | | | | | |
| PRO | | | SCALE: 1" = 20' | | | | SHEET | OF | SHEETS | STA. | TO |

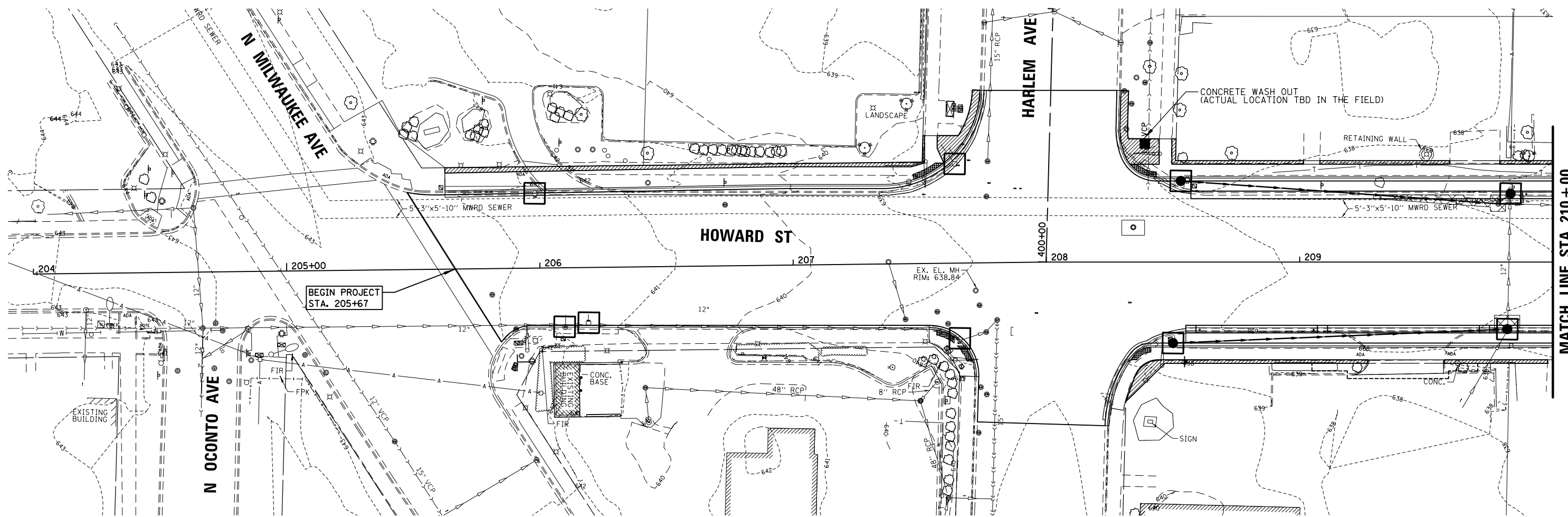


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | NO. _____ | |
| | NOTE BOOK | |
| | NO. _____ | |
| | FILE NAME | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | STRUCTURE | |
| | NOT AT THIS OFFICE | |
| | NO. _____ | |
| | NOTE BOOK | |
| | NO. _____ | |



FILE NAME = N:\NILES\180016\Civ1\ECP_180016_01.SHT
 PRO

USER NAME = rhowellindgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**



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

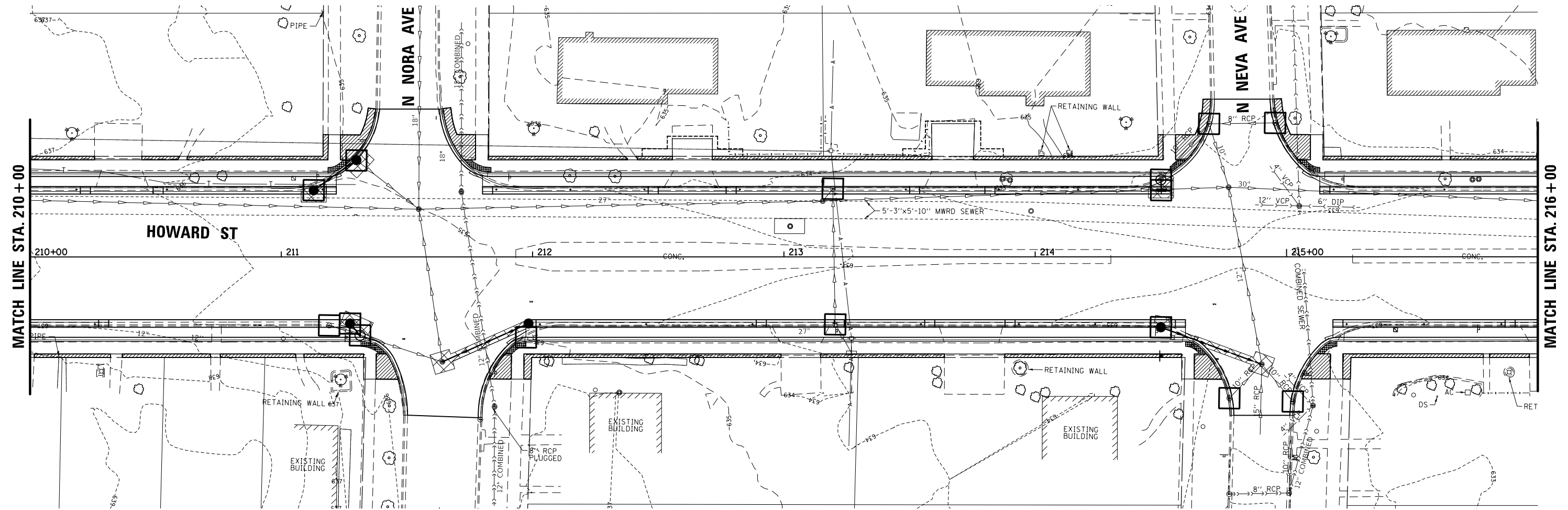
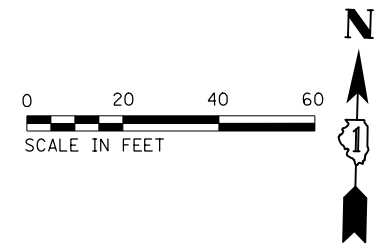
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 51 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNED | |
| | CHECKED | |
| | FILED | |
| | CARD FILE NAME | |
| | NO. | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES CHECKED | |
| | STRUCTURE NOT AT THIS OFFICE | |
| | NO. | |

EROSION CONTROL LEGEND:

-  INLET FILTER
-  SODDING, SALT TOLERANT, SPECIAL



FILE NAME = N:\NILES\180016\Civ1\1\ECP_180016_02.SHT
 USER NAME = rhowellindgren

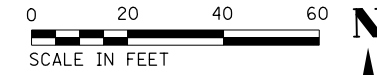
DESIGNED -
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 DATE -

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 52 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

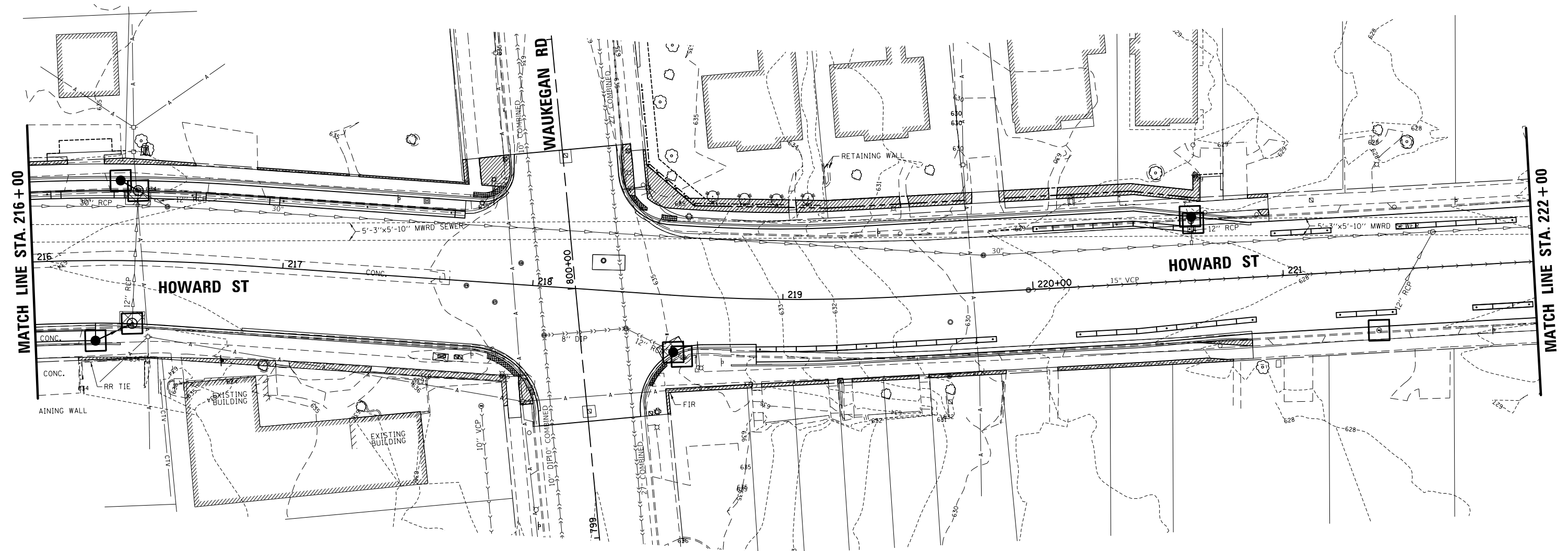


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | BY | |
| | NO. | |
| | FILE NAME | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOT AT THIS OFFICE | |
| | BY | |
| | NO. | |



FILE NAME = N:\NILES\180016\Civ11\ECP_180016_03.SHT

USER NAME = rhowellindgren
 PLOT SCALE = 48"
 PLOT DATE = 11/21/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**
 SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

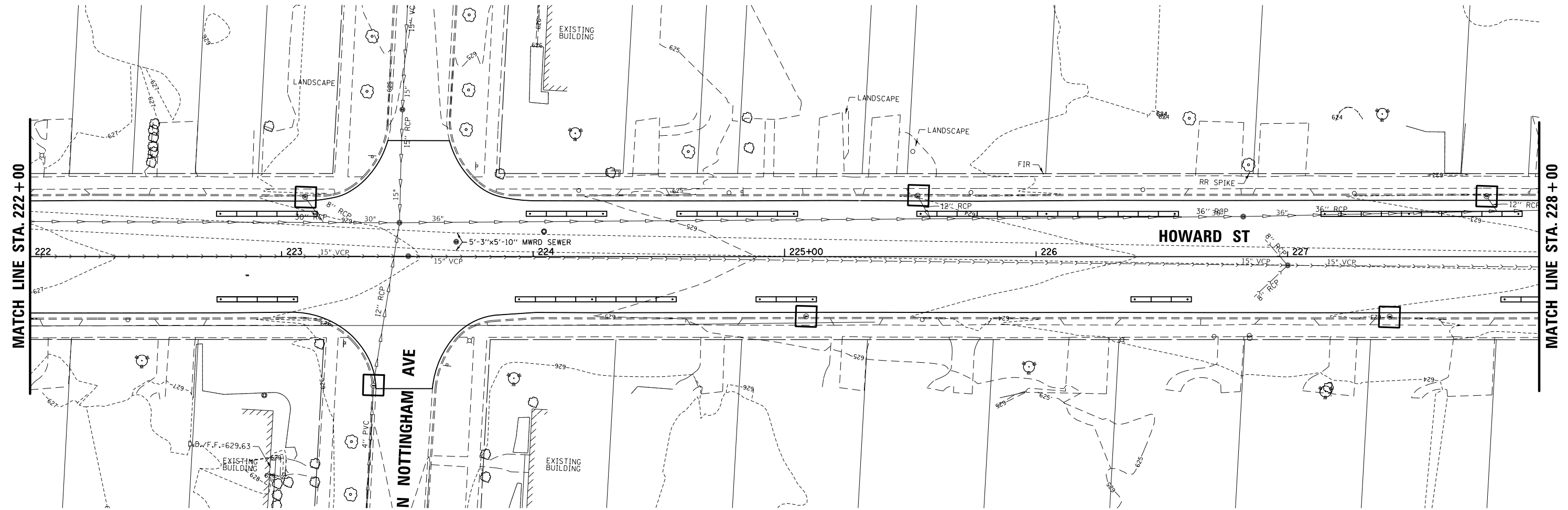
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 53 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNED | |
| | CHECKED | |
| | FILED | |
| | FILE NAME | |
| | NO. | |

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

EROSION CONTROL LEGEND:

-  INLET FILTER
-  SODDING, SALT TOLERANT, SPECIAL



FILE NAME = N:\NILES\180016\Civ1\ECP_180016_04.SHT
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USER NAME = rhowellindgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

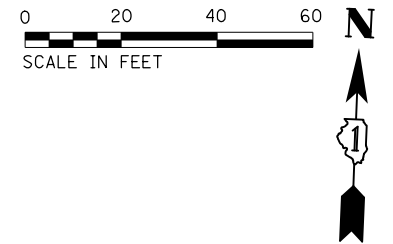
REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

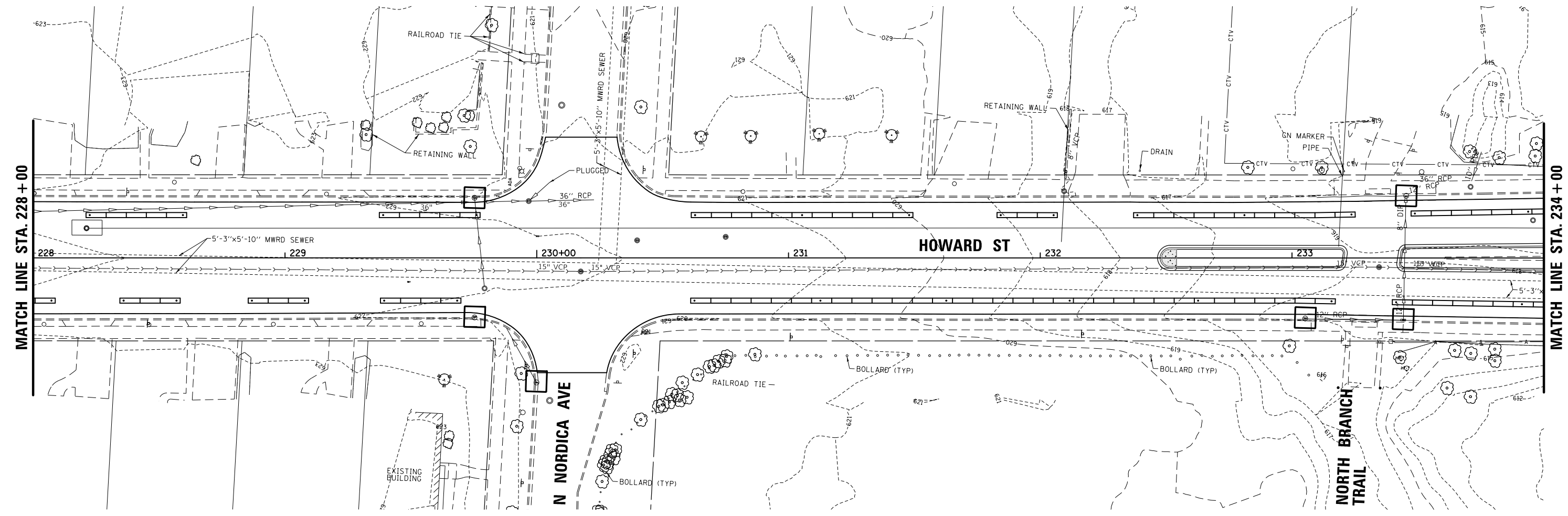
HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN

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

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 54 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- EROSION CONTROL LEGEND:**
- INLET FILTER
 - SODDING, SALT TOLERANT, SPECIAL



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

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|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | FIELD FILE NAME | |

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|--|----------------------------|------------|-----------|
| FILE NAME = N:\NILES\180016\Civ1\NECP_180016_05.SHT | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
| PRO | PLOT DATE = 11/21/2019 | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------|----|--------|
| HOWARD STREET IMPROVEMENTS SOIL EROSION AND SEDIMENT CONTROL PLAN | | | |
| SCALE: 1" = 20' | SHEET | OF | SHEETS |
| | STA. | TO | STA. |

| | | | | |
|---------------------------|---------------------------|----------------|---------------------|-----------------|
| F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 55 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

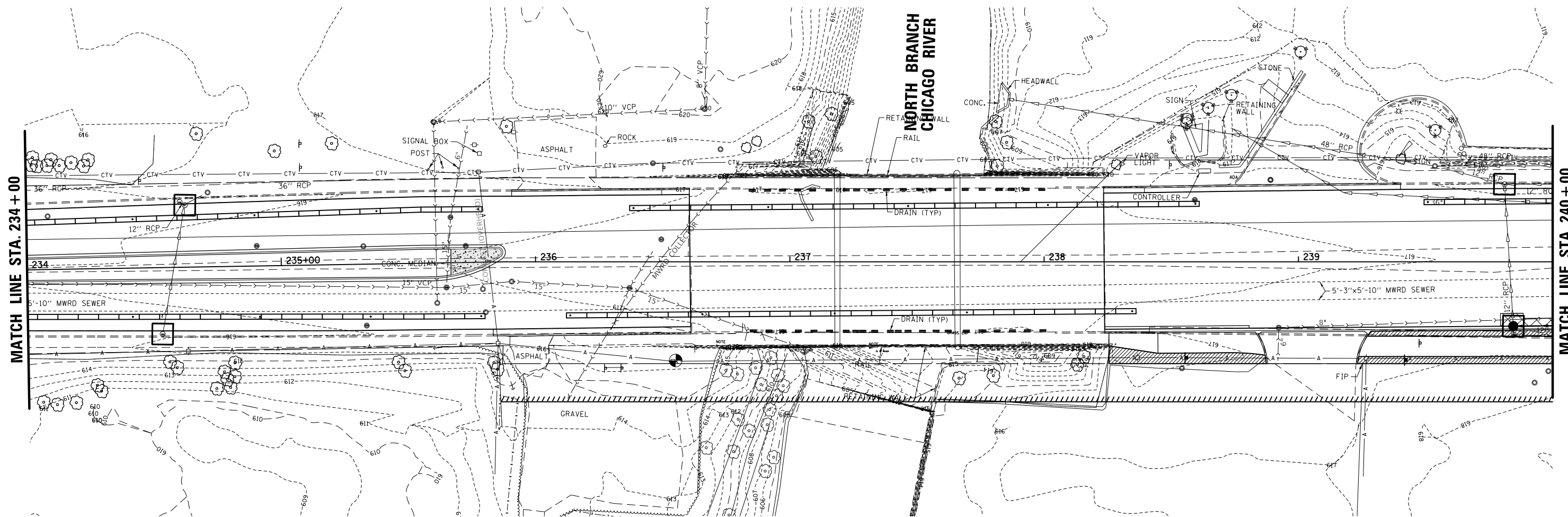


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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

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|---------------|------------------------------|------|
| PROFILE | SURVEYED | DATE |
| NOTE BOOK NO. | GRADES CHECKED | BY |
| | STRUCTURE NOT AT THIS OFFICE | |



FILE NAME = N:\NILES\180016\Civ1\ECP_180016_06.SHT

USER NAME = rhowellindgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

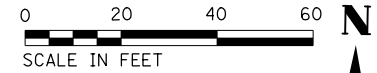
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|--------------------|
| 1334 | 13-00116-00-TL | COOK | 221 | 56 |
| | | | | CONTRACT NO. 61G08 |
| ILLINOIS FED. AID PROJECT | | | | |

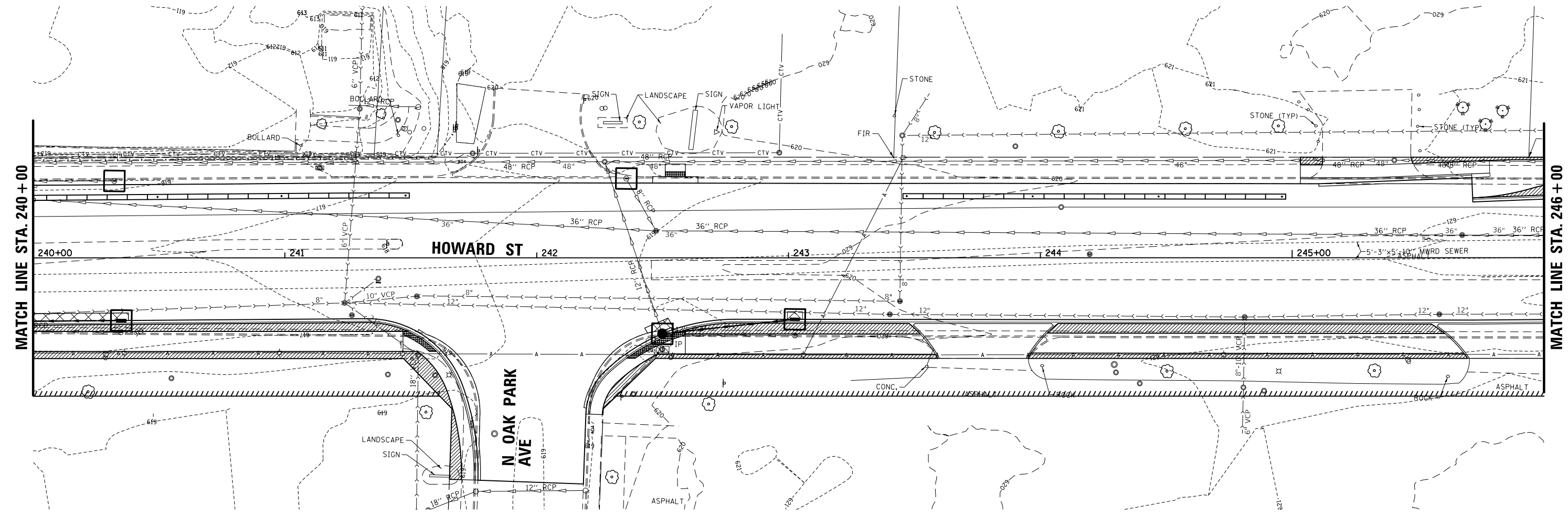


EROSION CONTROL LEGEND:

-  INLET FILTER
-  SODDING, SALT TOLERANT, SPECIAL

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

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| PROFILE | SURVEYED | DATE |
| NOTE BOOK | GRADES | BY |
| NO. | CHECKED | |
| | STRUCTURE | |
| | NOT AT THIS OFFICE | |



FILE NAME = N:\NILES\180016\Civ1\ECP_180016_07.SHT

USER NAME = rhowellindgren
 PLOT SCALE = 48"
 PLOT DATE = 11/21/2019

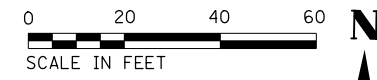
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| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
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| DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 1334 | 13-00116-00-TL | COOK | 221 | 57 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

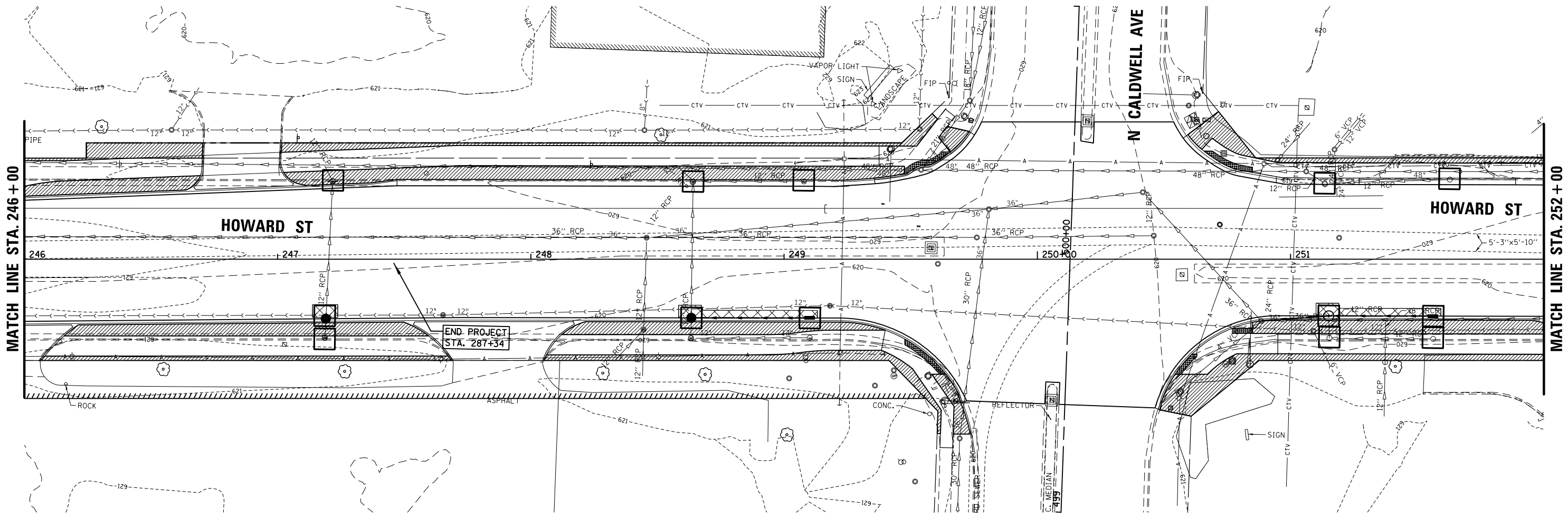


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | DATE |
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| | STRUCTURE NOT AT THIS OFFICE | |
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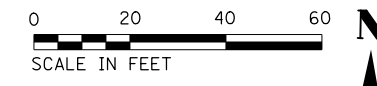
USER NAME = rhowellindgren
PLOT SCALE = 48'
PLOT DATE = 11/21/2019

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
SOIL EROSION AND SEDIMENT CONTROL PLAN**
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 58 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

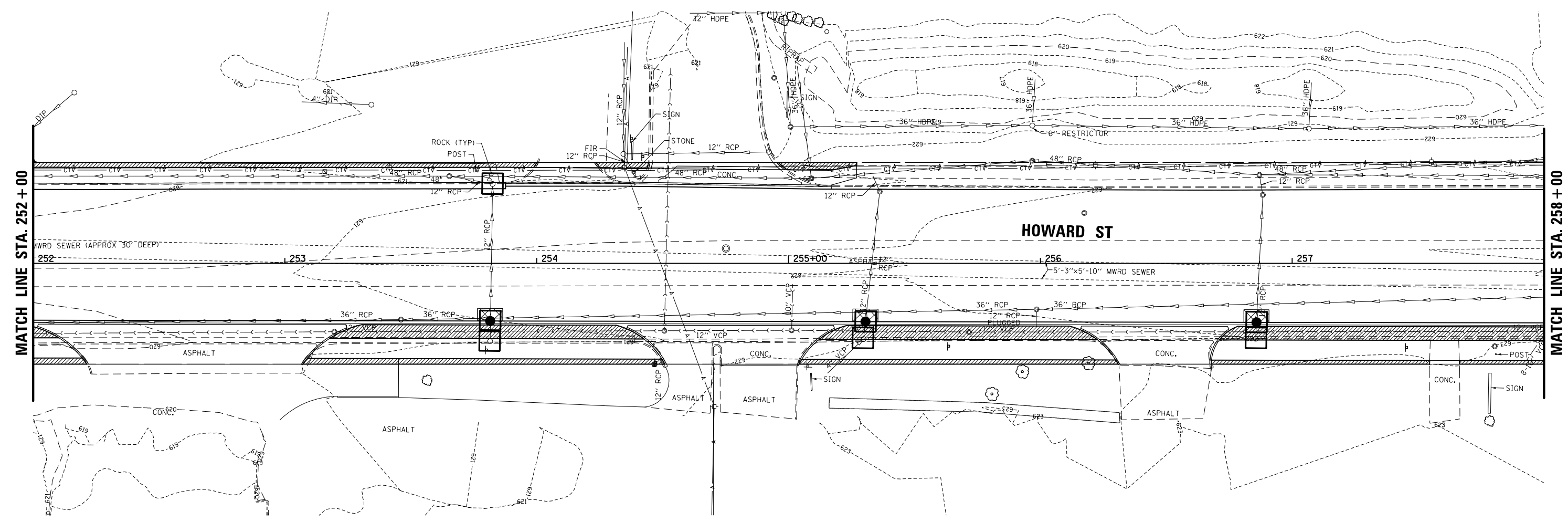


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | NOTE BOOK NO. | |
| | FIELD FILE NAME | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOT AT THIS OFFICE | |
| | NOTE BOOK NO. | |
| | FIELD FILE NAME | |



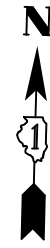
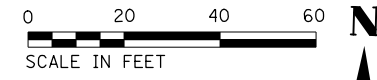
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| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

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|---------------------------|---------------------------|----------------|---------------------|-----------------|
| F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 59 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

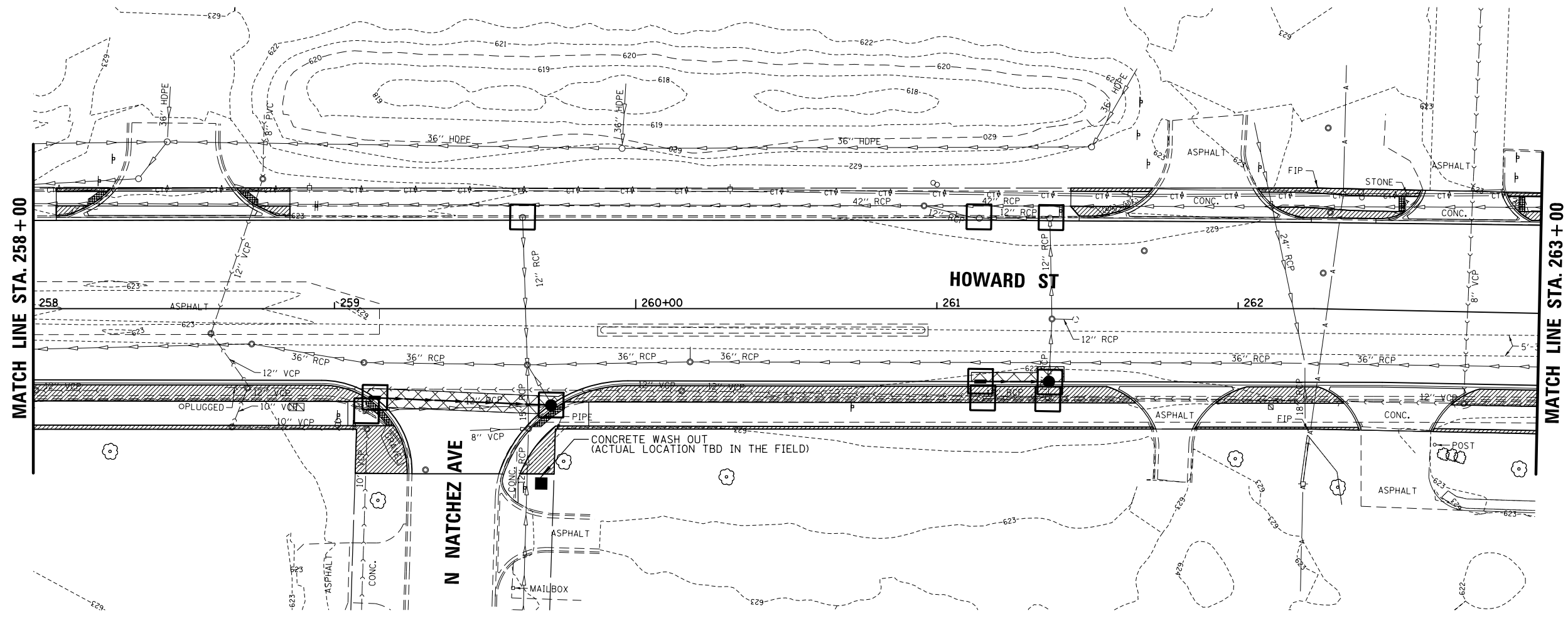


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | DATE |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE | |
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USER NAME = rhowellindgren
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 60 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

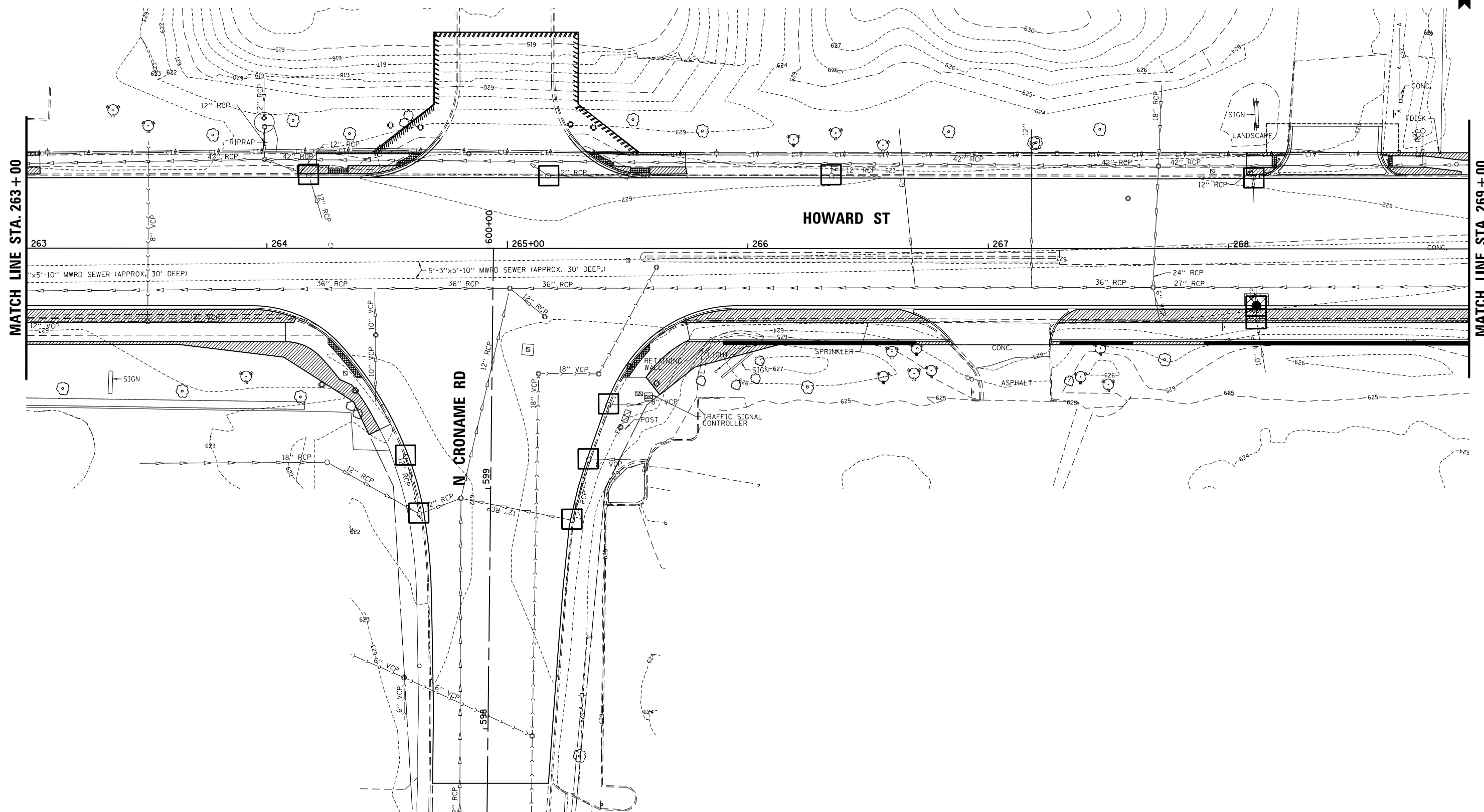
EROSION CONTROL LEGEND:

-  INLET FILTER
-  SODDING, SALT TOLERANT, SPECIAL



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| PROFILE | SURVEYED | DATE |
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| | STRUCTURE NOTATIONS CHECKED | |
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 USER NAME = rhowellindgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

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 CHECKED -
 DATE -

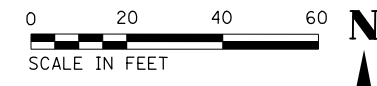
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

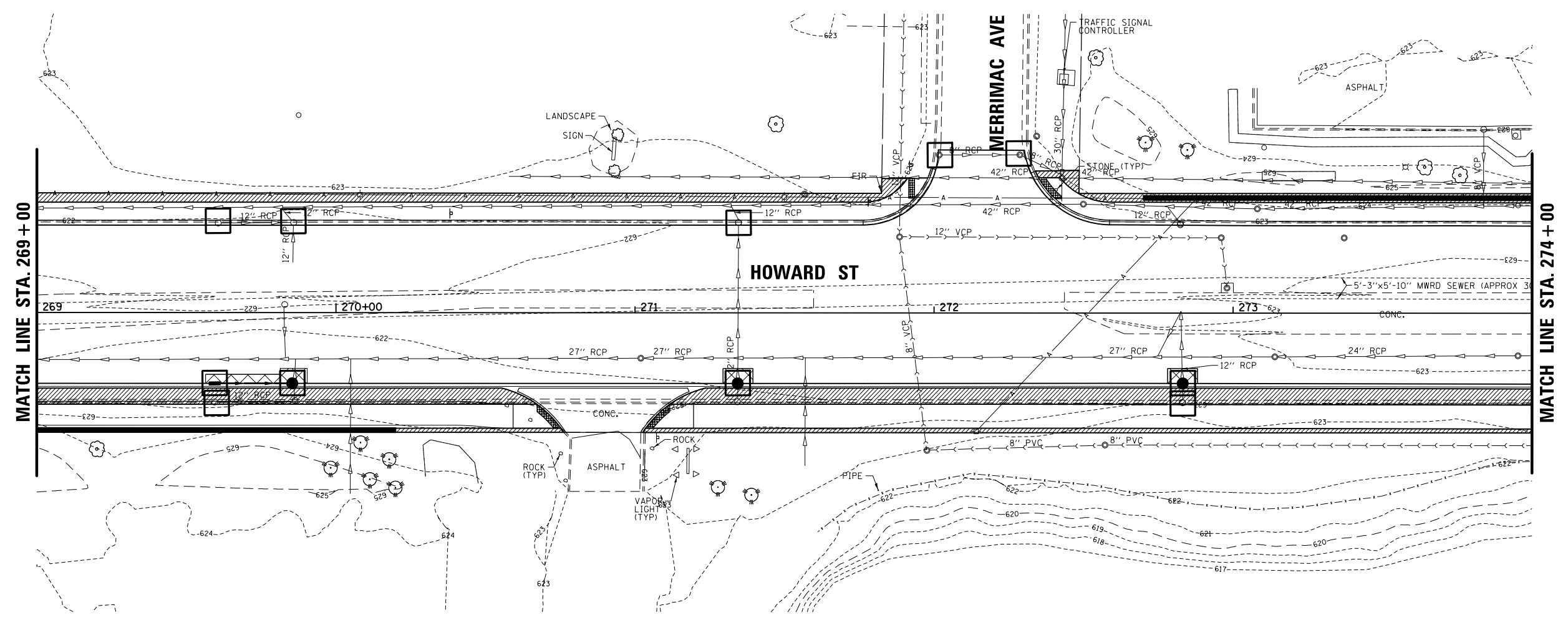
**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 61 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- EROSION CONTROL LEGEND:**
- INLET FILTER
 - SODDING, SALT TOLERANT, SPECIAL



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 62 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

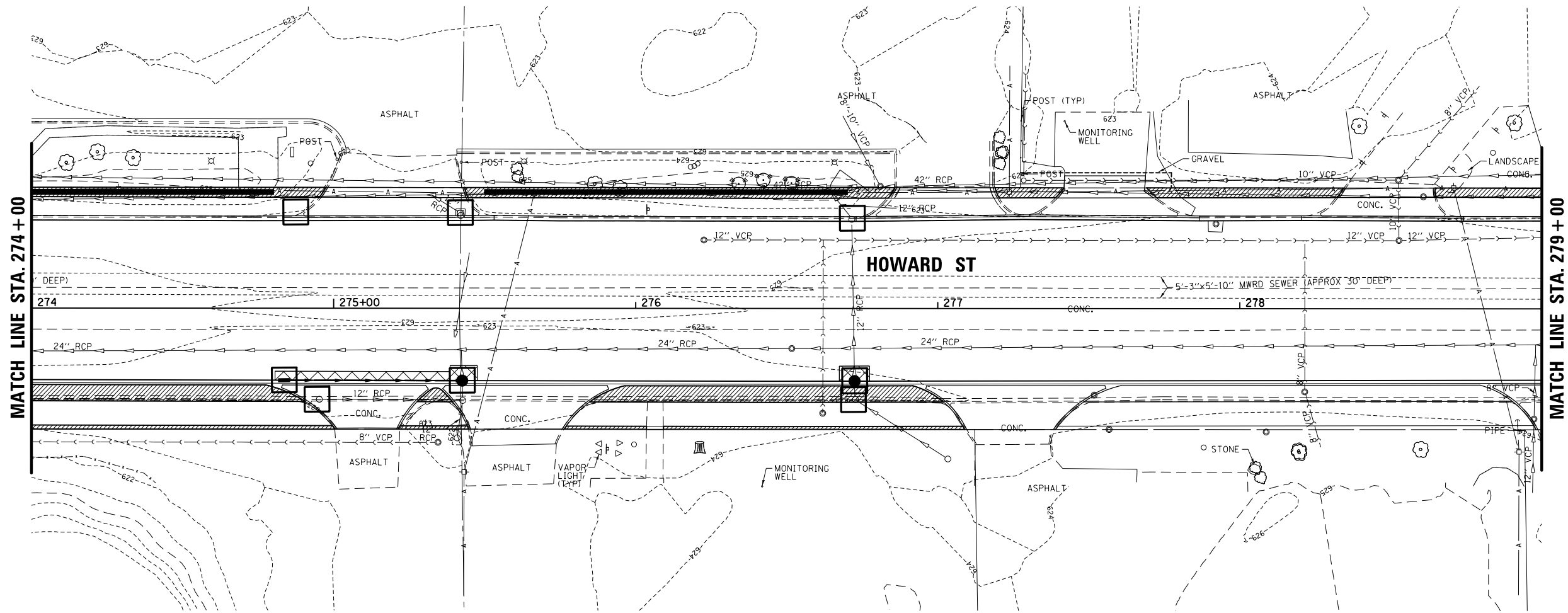


EROSION CONTROL LEGEND:

- INLET FILTER
- SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
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| PROFILE | SURVEYED | DATE |
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| | STRUCTURE NOTATIONS | |



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USER NAME = rhowellindgren
 DESIGNED -
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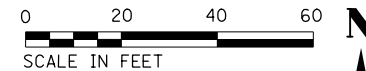
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**HOWARD STREET IMPROVEMENTS
SOIL EROSION AND SEDIMENT CONTROL PLAN**

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

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 63 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

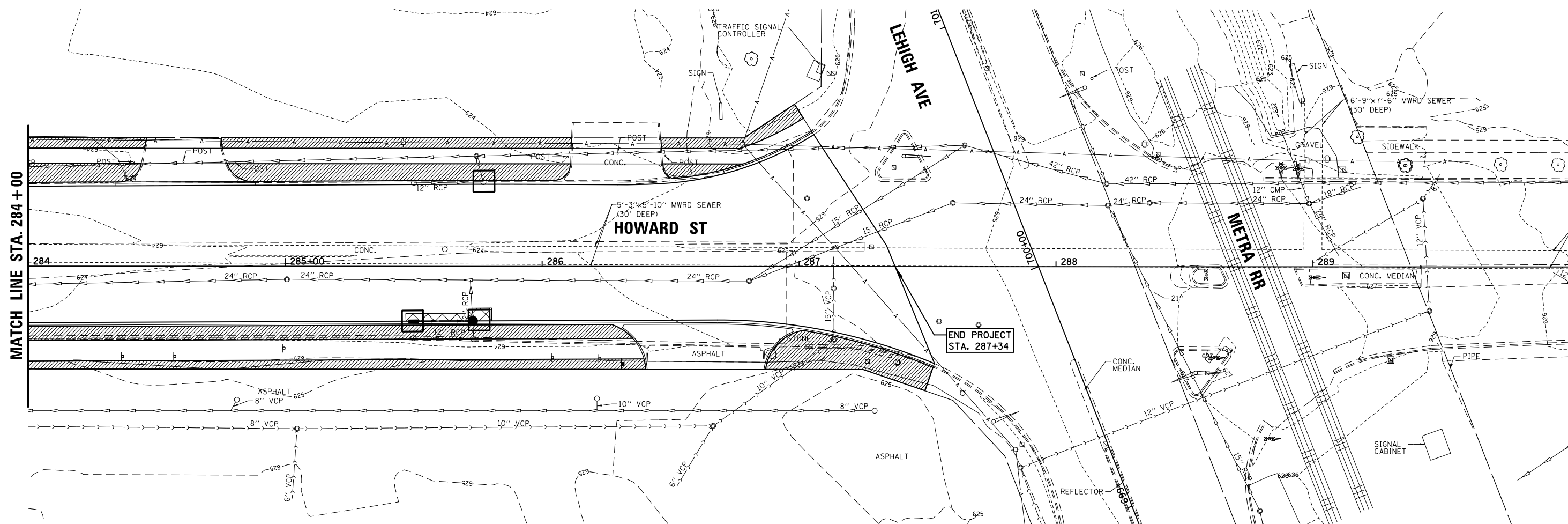


EROSION CONTROL LEGEND:

-  INLET FILTER
-  SODDING, SALT TOLERANT, SPECIAL

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| PLAN | SURVEYED | CHECKED | DATE |
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| PROFILE | SURVEYED | CHECKED | DATE |
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 USER NAME = rhowellindgren

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

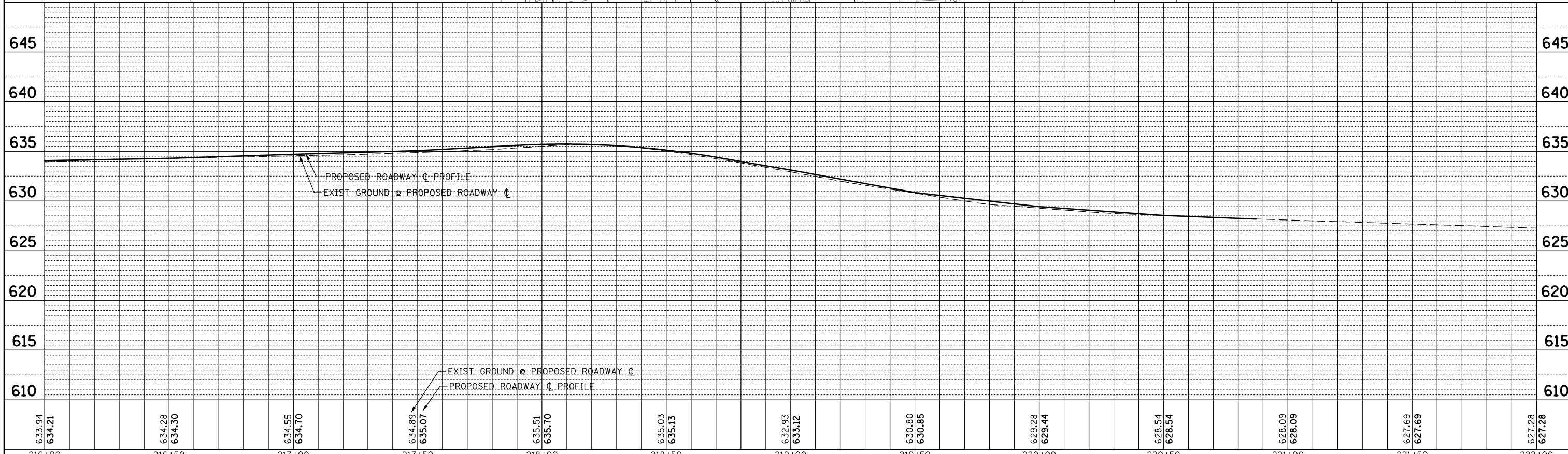
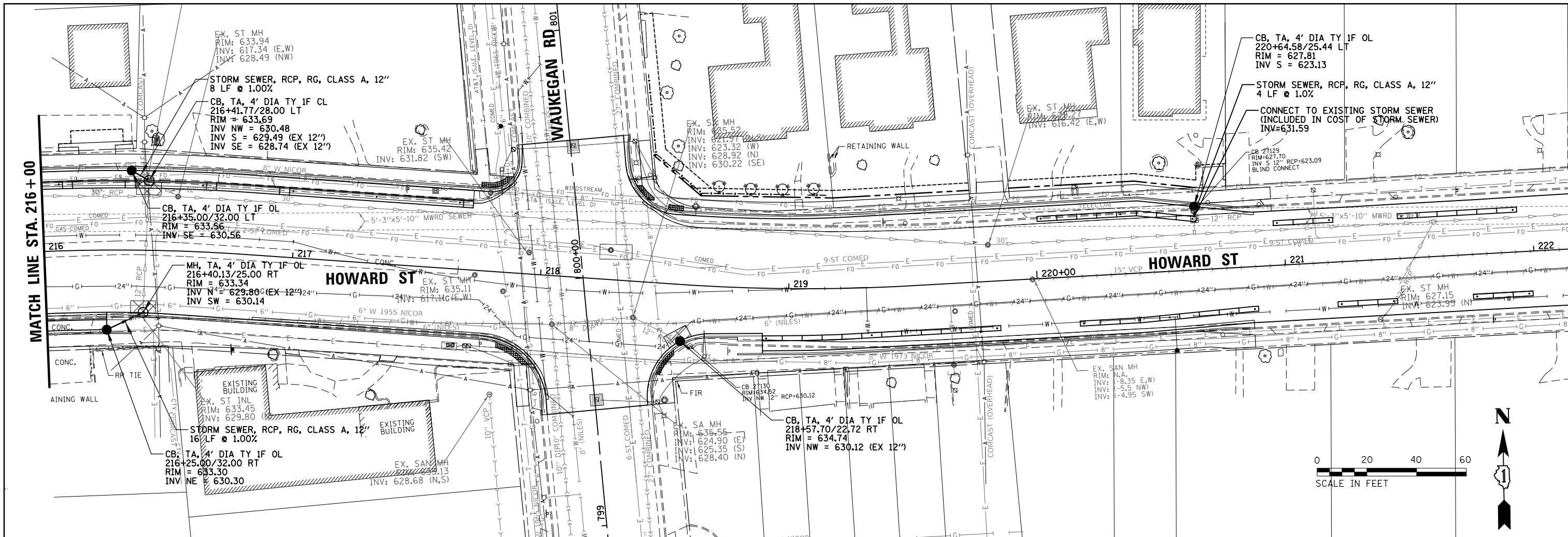
**HOWARD STREET IMPROVEMENTS
 SOIL EROSION AND SEDIMENT CONTROL PLAN**

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 65 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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| PLAN | SURVEYED | DATE |
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| PROFILE | SURVEYED | DATE |
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| | GRADES CHECKED | |
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| | NOTE BOOK NO. | |



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

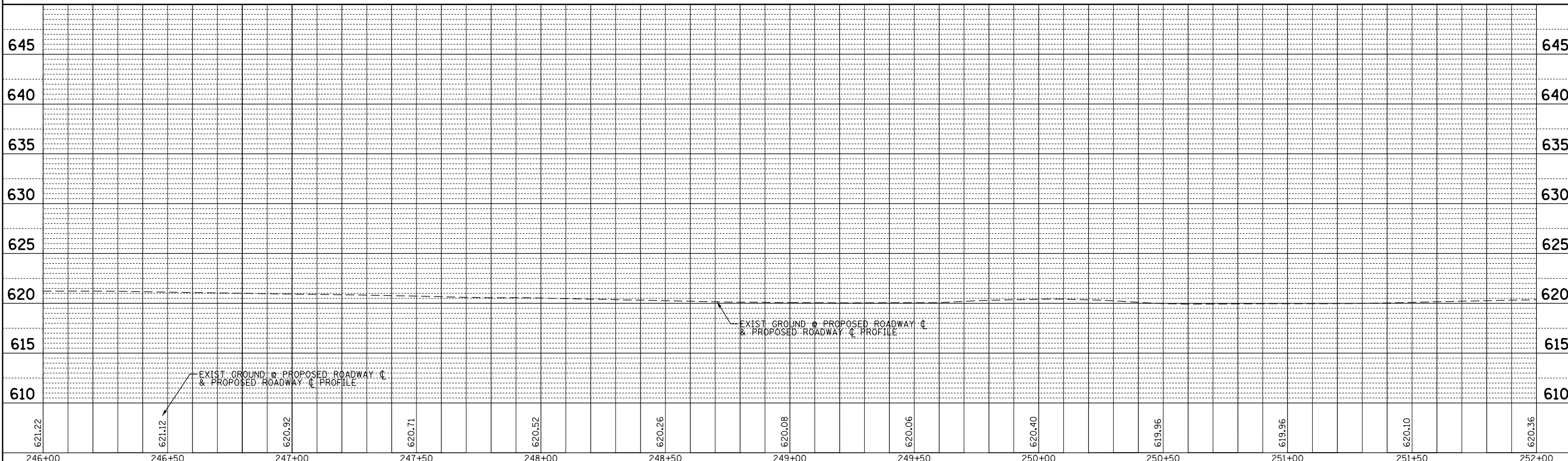
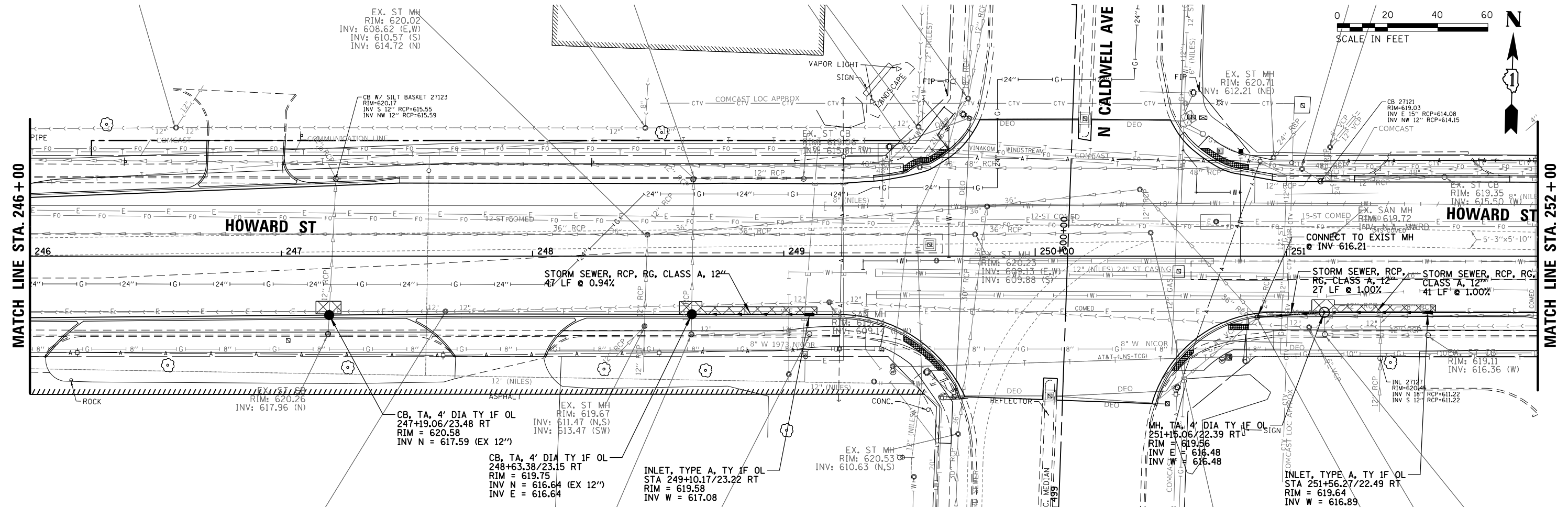
HOWARD STREET IMPROVEMENTS
DRAINAGE PLAN AND PROFILE

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 68 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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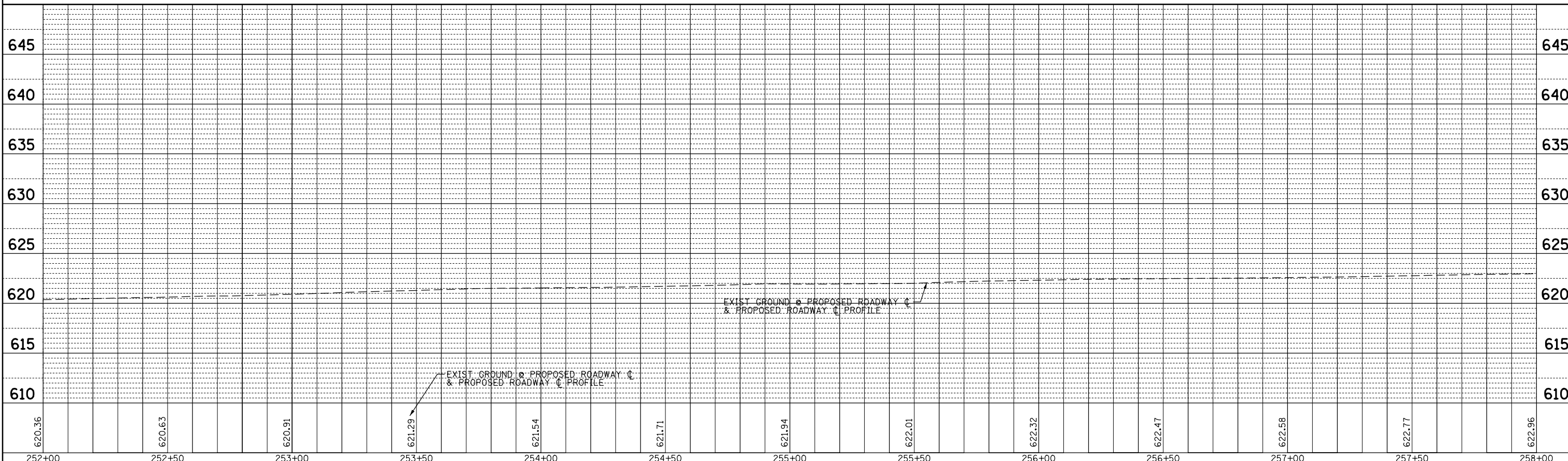
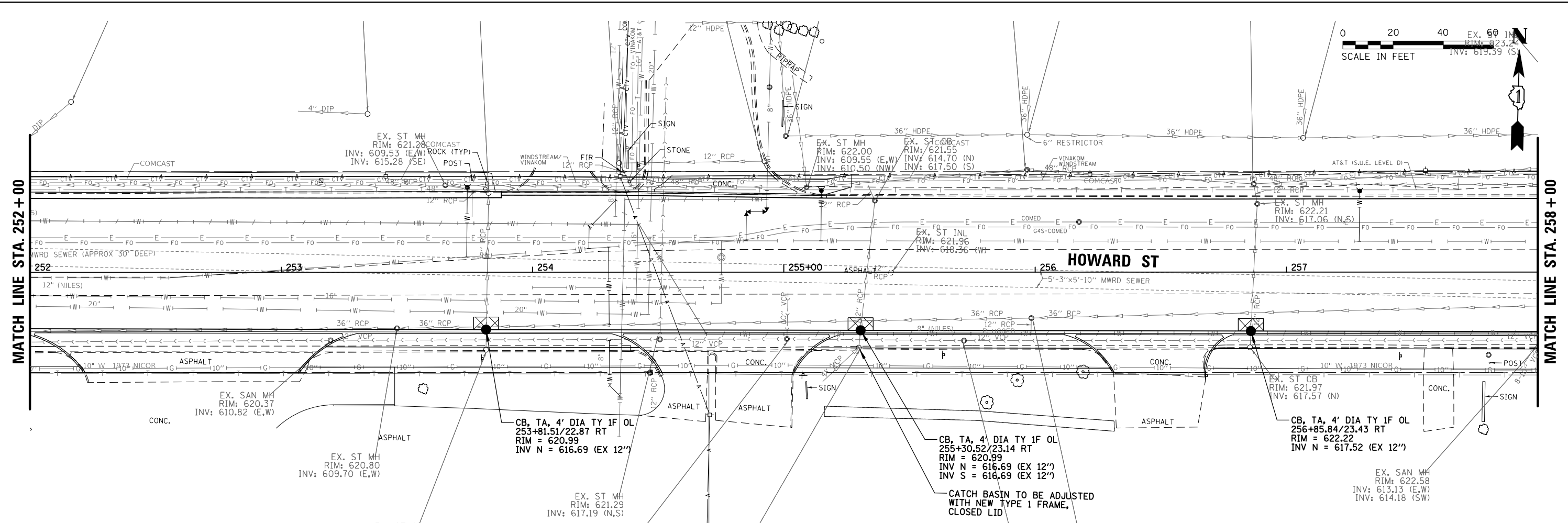
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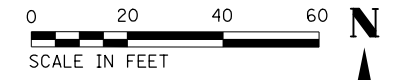
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| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS DRAINAGE PLAN AND PROFILE | | F.A.S. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| N:\NILES\180016\Civ1\DP_180016_08.SHT | | DRAWN - | REVISED - | | | | 1334 | 13-00116-00-TL | COOK | 221 | 70 | |
| PLOT SCALE = 48' | | CHECKED - | REVISED - | | | | CONTRACT NO. 61G08 | | | | | |
| PLOT DATE = 11/21/2019 | | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | | |
| SCALE: 1" = 20' | SHEET | OF | SHEETS | STA. | TO | STA. | | | | | | |

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| BY | |
| PLAN | SURVEYED |
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| | ALIGNED |
| | CHECKED |
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| | CARD FILE NAME |

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| DATE | |
| BY | |
| PROFILE | SURVEYED |
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| | GRADES CHECKED |
| | STRUCTURE NOTATIONS CHECKED |
| | NO. _____ |

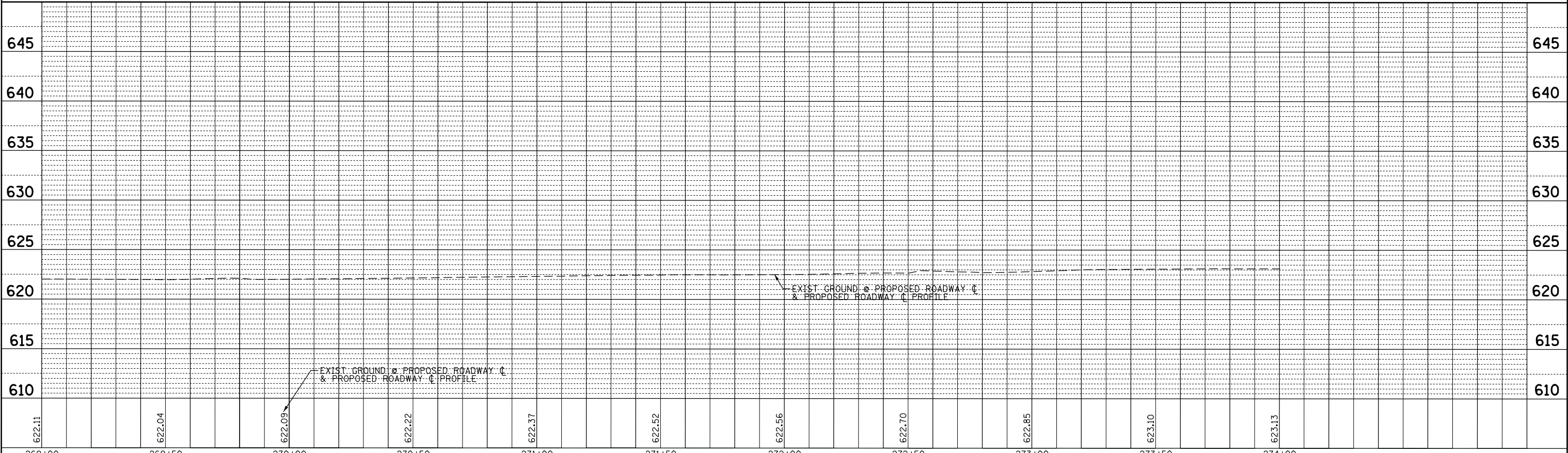
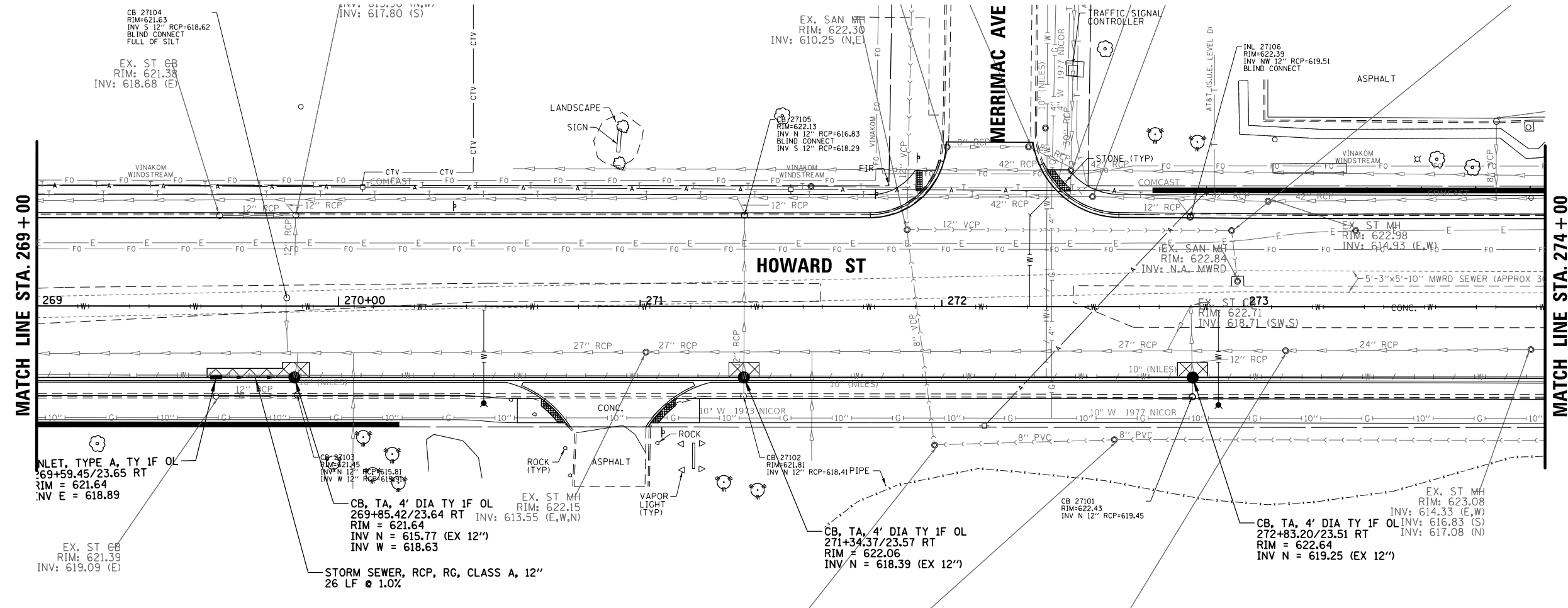


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| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS DRAINAGE PLAN AND PROFILE | | | | F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 71 |
| DATE = 11/21/2019 | PLOT SCALE = 48' | DRAWN - | REVISED - | | SCALE: 1" = 20' | SHEET | OF | SHEETS | STA. | TO | STA. | CONTRACT NO. 61G08 | |
| | | CHECKED - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | | |
| | | DATE - | REVISED - | | | | | | | | | | |

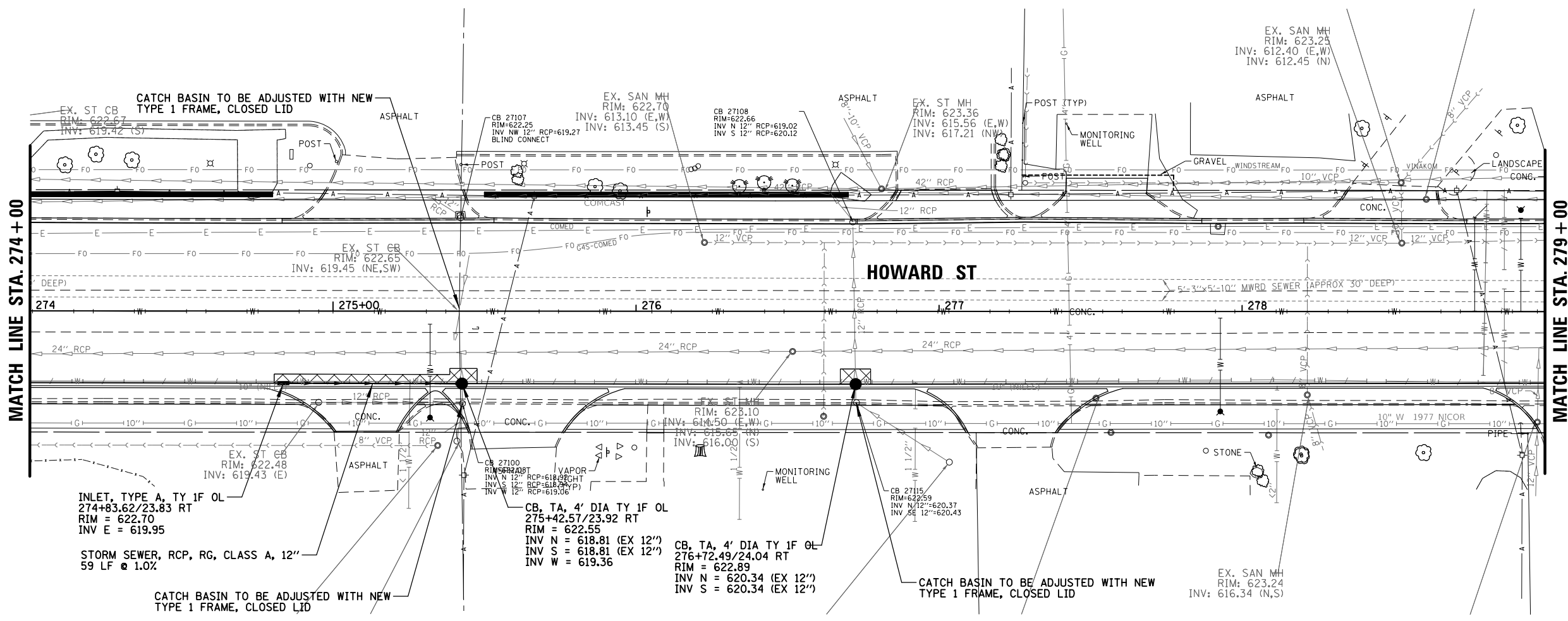
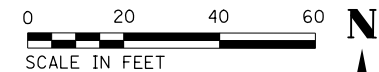


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| PROFILE | DATE |
| REVISIONS | BY |
| PLOTTED | |
| GRADES CHECKED | |
| STRUCTURE NOTATIONS CHECKED | |
| NO. _____ | |

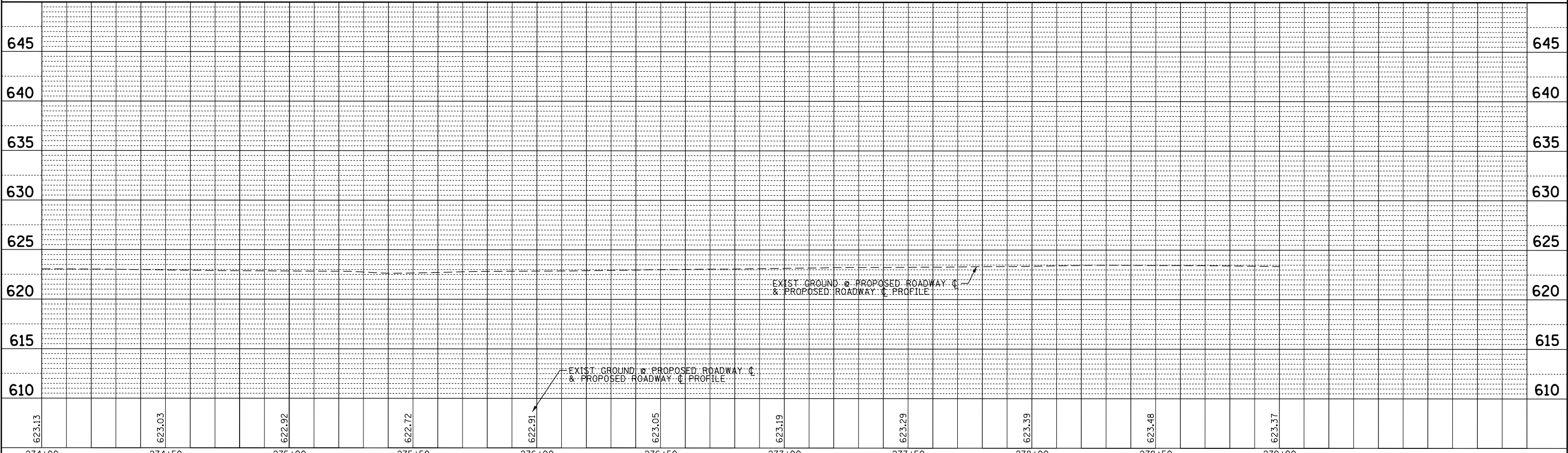


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| PLOT SCALE = 48' | | CHECKED - | REVISED - | | | | | SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA. | | | CONTRACT NO. 61G08 | | | |
| PLOT DATE = 11/21/2019 | | DATE - | REVISED - | | | | | | | | | | | |
| | | | | | | | | ILLINOIS FED. AID PROJECT | | | | | | |



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| DATE | |
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| PROFILE | REVISIONS |
| | PLOTTED |
| | GRADES CHECKED |
| | STRUCTURE NOTATIONS CHECKED |
| | NO. _____ |



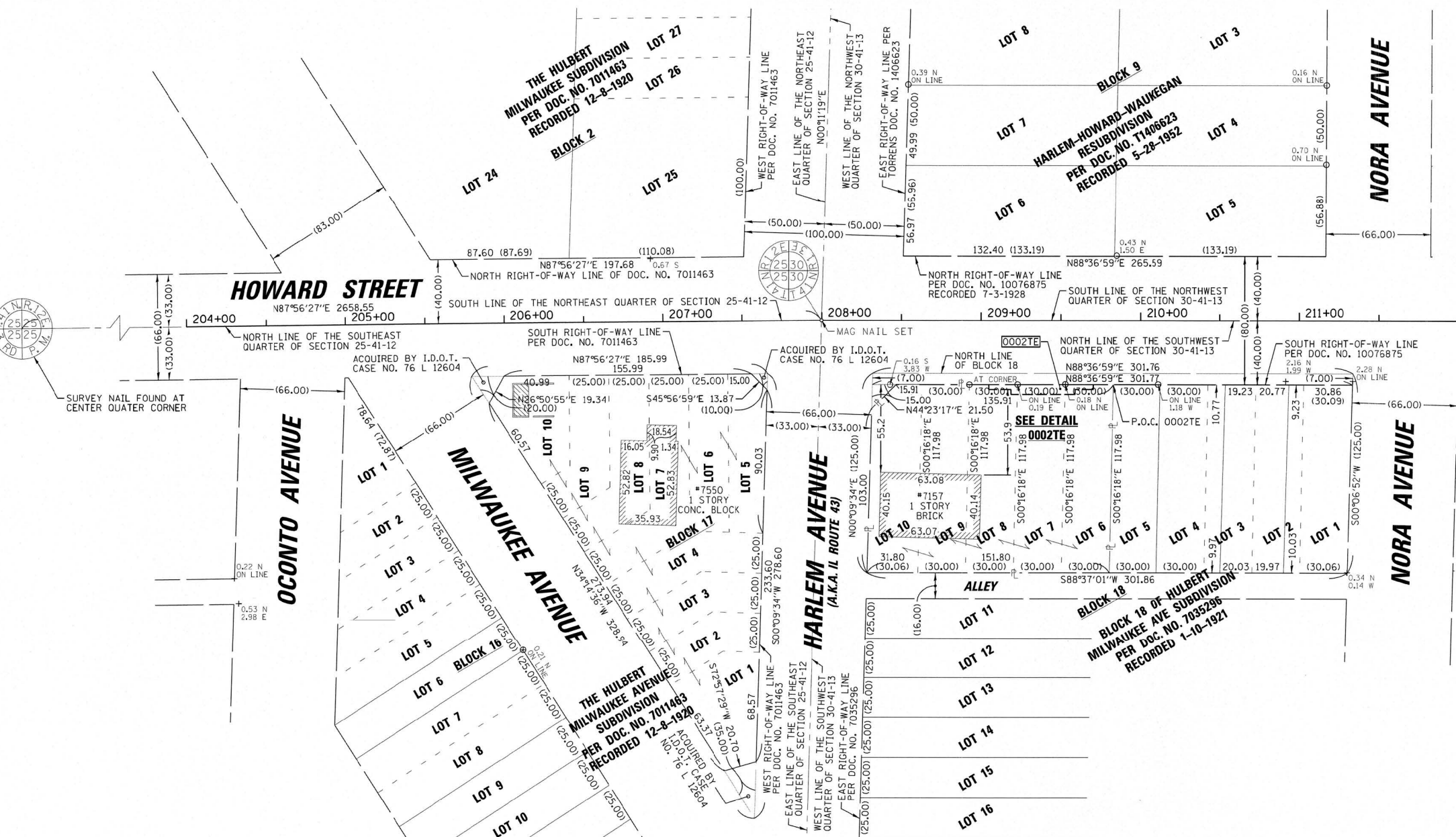
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| FILE NAME = | USER NAME = rhowellndgrn | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS DRAINAGE PLAN AND PROFILE | | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\NILES\180016\Civ11\DP\180016_13.SHT | | DRAWN - | REVISED - | | | | | | 1334 | 13-00116-00-TL | COOK | 221 | 75 |
| PLOT SCALE = 48' | | CHECKED - | REVISED - | | | | | | CONTRACT NO. 61G08 | | | | |
| PLOT DATE = 11/21/2019 | | DATE - | REVISED - | | | | | | ILLINOIS FED. AID PROJECT | | | | |

PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NW QUARTER OF SECTION 29, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|----------------|------------------|---|
| 0002TE | 0.407 | N/A | N/A | 0.407 | 0.007 | 316 | 10-30-300-001 10-30-300-002 10-30-300-003 10-30-300-004 10-30-300-005 |

LEGEND

SECTION CORNER
 QUARTER SECTION CORNER
 SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING
 IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 "MAG" NAIL SET
 5/8" REBAR SET
 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

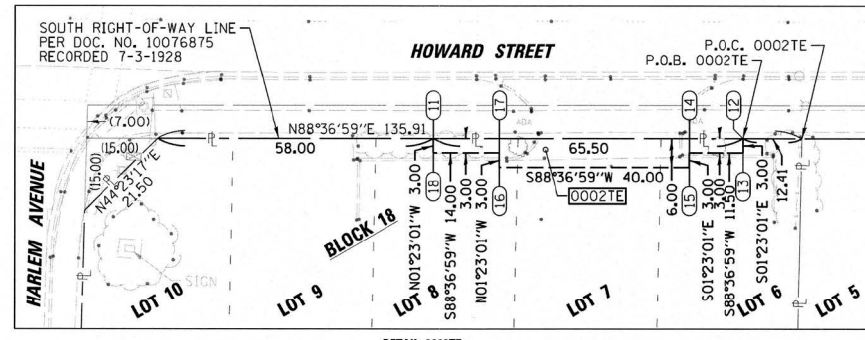


STATE OF ILLINOIS)
 COUNTY OF COOK)SS

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

ROSEMONT, ILLINOIS THIS 6 DAY OF November 20 19 A.D.
 Kenneth J. Rasmussen
 PROFESSIONAL LAND SURVEYOR NO. 35-3240
 LICENSE EXPIRATION DATE: 11-30-2020

NOTE:
 ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
 BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99997021489.
 AREAS SHOWN ON THIS PLAT ARE "GROUND"



COORDINATE TABLE
 ILLINOIS STATE PLANE COORDINATE SYSTEM,
 EAST ZONE, NAD 83 (2011 ADJUSTMENT)

| PT# | STATION | OFFSET | NORTHING | EASTING |
|-----|-----------|----------|--------------|--------------|
| 11 | 209+04.82 | 40.00 RT | 1949901.7383 | 1127499.8582 |
| 12 | 209+70.32 | 40.00 RT | 1949903.3199 | 1127565.3391 |
| 13 | 209+70.32 | 43.00 RT | 1949900.3208 | 1127565.3315 |
| 14 | 209+58.82 | 43.00 RT | 1949900.0431 | 1127553.9149 |
| 15 | 209+58.82 | 46.00 RT | 1949897.0440 | 1127553.9873 |
| 16 | 209+18.82 | 46.00 RT | 1949896.0781 | 1127513.9990 |
| 17 | 209+18.82 | 43.00 RT | 1949899.0772 | 1127513.9265 |
| 18 | 209+04.82 | 43.00 RT | 1949898.7392 | 1127499.9306 |

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

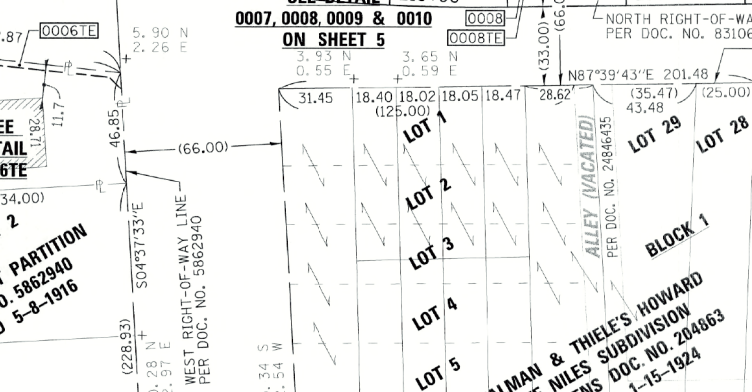
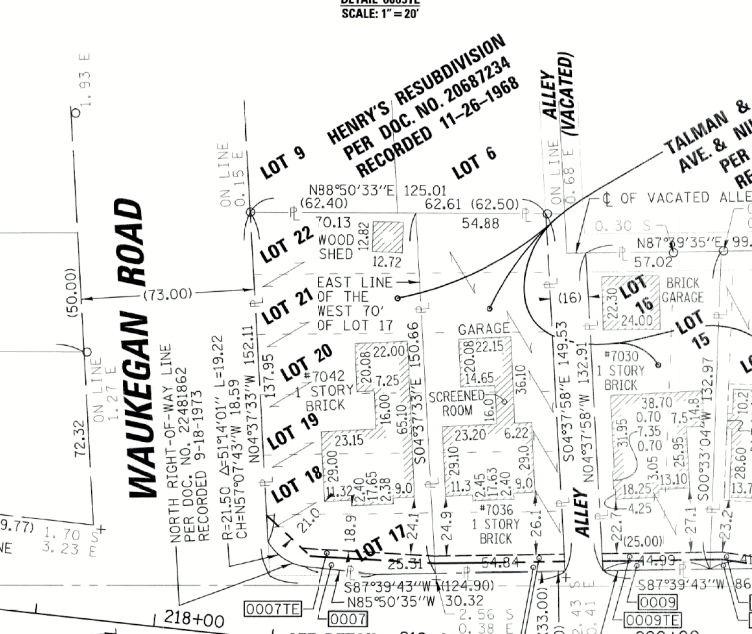
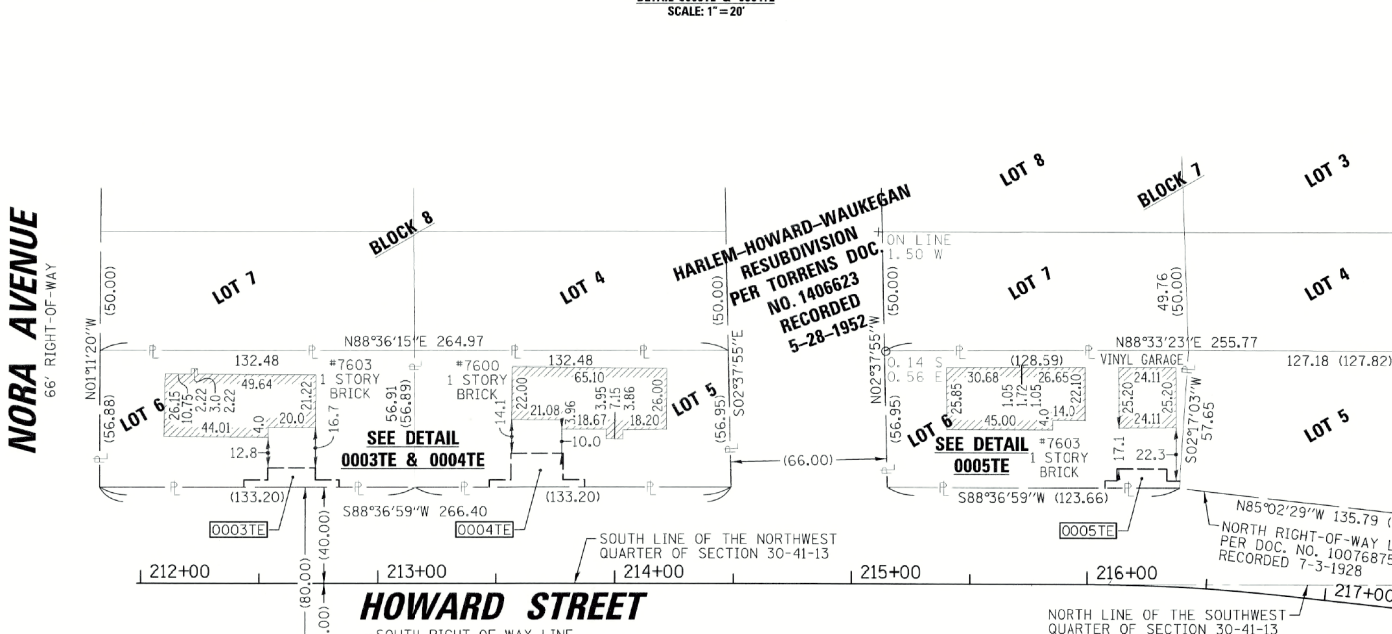
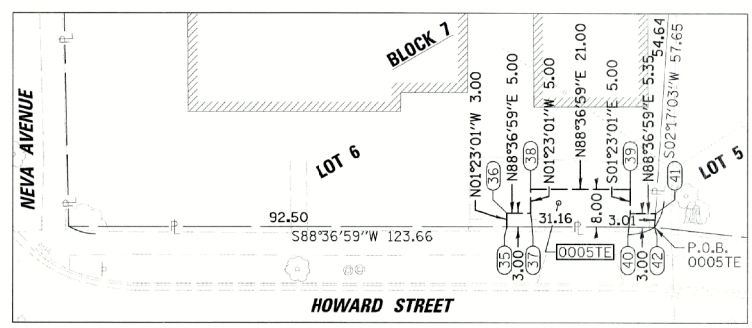
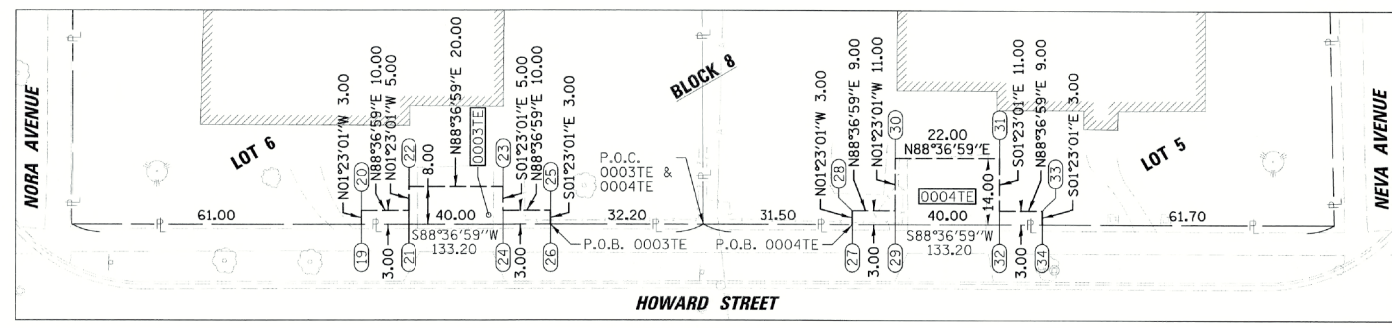
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 204+00.00 TO STA. 211+82.59 R-55-0001-97
 SCALE: 1"=40' SHEET 79 OF 221 SHEETS

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

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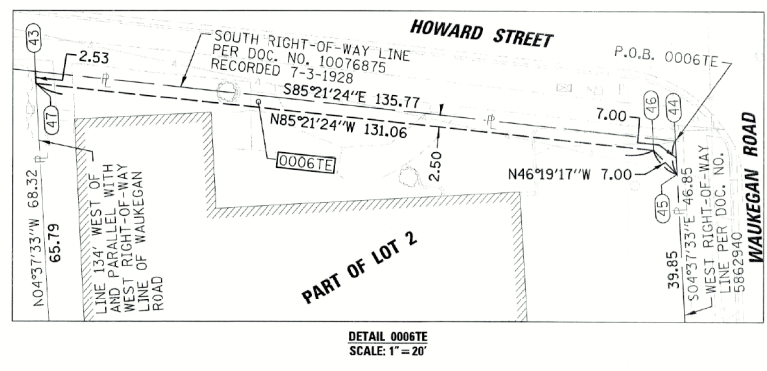
PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
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 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



COORDINATE TABLE
 ILLINOIS STATE PLANE COORDINATE SYSTEM,
 EAST ZONE, NAD 83 (2011 ADJUSTMENT)

| PT# | STATION | OFFSET | NORTHING | EASTING |
|-----|-----------|--------|--------------|--------------|
| 19 | 212+43.59 | 40.00 | 1949989.8951 | 1127836.5994 |
| 20 | 212+43.59 | 43.00 | 1949992.8942 | 1127836.5270 |
| 21 | 212+53.59 | 43.00 | 1949993.1357 | 1127846.5241 |
| 22 | 212+53.59 | 48.00 | 1949998.1342 | 1127846.4034 |
| 23 | 212+53.59 | 48.00 | 1949998.6171 | 1127866.3975 |
| 24 | 212+73.59 | 43.00 | 1949993.6186 | 1127866.5183 |
| 25 | 212+83.59 | 43.00 | 1949993.8600 | 1127876.5153 |
| 26 | 212+83.59 | 40.00 | 1949990.8609 | 1127876.5878 |
| 27 | 213+47.29 | 40.00 | 1949992.3990 | 1127940.2692 |
| 28 | 213+47.29 | 43.00 | 1949995.3982 | 1127940.1368 |
| 29 | 213+56.29 | 43.00 | 1949995.6155 | 1127949.1341 |
| 30 | 213+56.29 | 54.00 | 1950006.6123 | 1127948.9285 |
| 31 | 213+78.29 | 54.00 | 1950007.1435 | 1127970.9223 |
| 32 | 213+78.29 | 43.00 | 1949996.1467 | 1127971.1877 |
| 33 | 213+87.29 | 43.00 | 1949996.3640 | 1127980.1851 |
| 34 | 213+87.29 | 40.00 | 1949993.3649 | 1127980.2575 |
| 35 | 216+07.14 | 40.03 | 1949998.6823 | 1128200.4090 |
| 36 | 216+07.14 | 43.03 | 1949995.6814 | 1128200.3365 |
| 37 | 216+11.84 | 43.10 | 1950001.6123 | 1128205.3351 |
| 38 | 216+11.77 | 48.09 | 1950006.8007 | 1128205.2144 |
| 39 | 216+31.49 | 48.69 | 1950007.3077 | 1128226.2083 |
| 40 | 216+31.68 | 43.70 | 1950002.3092 | 1128226.3290 |
| 41 | 216+36.74 | 43.94 | 1950002.4384 | 1128231.6797 |
| 42 | 216+36.69 | 40.94 | 1949999.4347 | 1128231.5599 |
| 43 | 216+52.93 | 38.99 | 1949995.9907 | 1128244.9466 |
| 44 | 217+11.84 | 39.12 | 1949991.9998 | 1128380.3116 |
| 45 | 217+91.32 | 46.02 | 1949901.0226 | 1128380.8763 |
| 46 | 217+85.87 | 41.63 | 1949905.8569 | 1128375.8137 |
| 47 | 216+53.27 | 41.50 | 1949916.4659 | 1128245.1888 |

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|----------------|------------------|---------------------|
| 0003TE | 0.174 | N/A | N/A | 0.174 | TE= 0.005 | 220 | 10-30-120-005 |
| 0004TE | 0.174 | N/A | N/A | 0.174 | TE= 0.008 | 362 | 10-30-120-010 |
| 0005TE | 0.166 | N/A | N/A | 0.166 | TE= 0.005 | 199 | 10-30-121-005 |
| 0006TE | 0.177 | N/A | N/A | 0.177 | TE= 0.008 | 350 | 10-30-326-019 |
| 0007 | 0.240 | 0.010 | N/A | 0.230 | N/A | N/A | 10-30-113-032 |
| 0007TE | | | | | TE= 0.004 | 163 | |
| 0008 | 0.189 | 0.005 | N/A | 0.184 | N/A | N/A | 10-30-113-033 |
| 0008TE | | 219 SQ. FT. | | | TE= 0.004 | 165 | |
| 0009 | 0.115 | 0.004 | N/A | 0.111 | N/A | N/A | 10-30-113-034 |
| 0009TE | | 181 SQ. FT. | | | TE= 0.003 | 136 | |
| 0010 | | | N/A | 0.126 | N/A | N/A | 10-30-113-039 |
| 0010TE | | 70 SQ. FT. | | | TE= 0.005 | 198 | |



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 28 DAY OF MAY, 2019.

Kenneth J. Rasmussen
 PROFESSIONAL LAND SURVEYOR
 STATE OF ILLINOIS
 LICENSE EXPIRATION DATE: 11-30-2020

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

NOTE:
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 AREAS SHOWN ON THIS PLAT ARE "GROUND"

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 800
 Rosemont, Illinois 60018
 (847) 823-0500

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

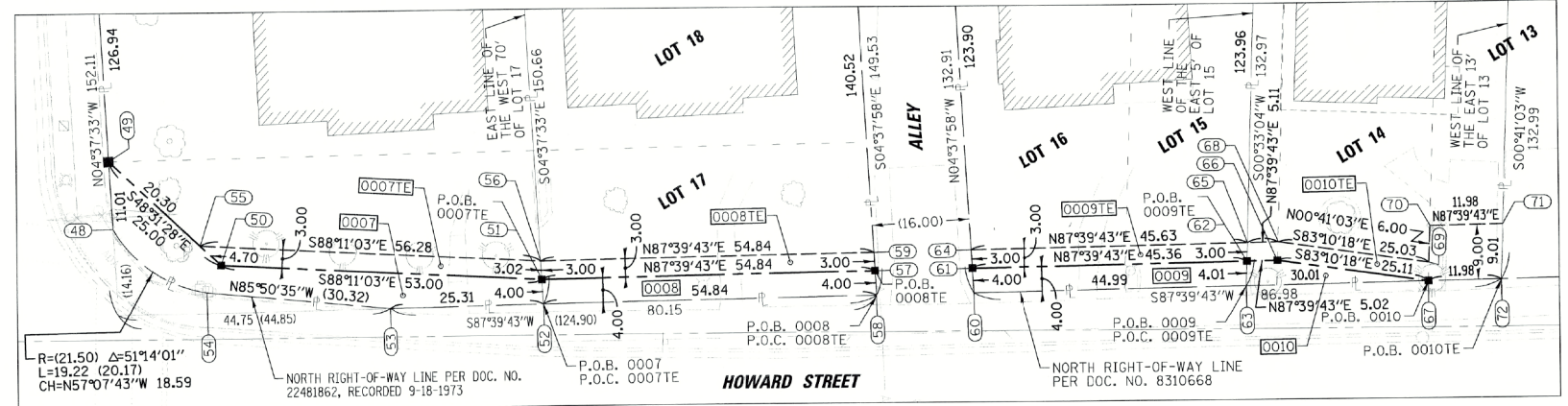
LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 211+82.59 TO STA. 220+77.69 R-55-001-97
 SCALE: 1"= 40' SHEET 80 OF 221 SHEETS

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

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REVISION DATE: 05-28-2019 REVISION MADE BY: AJK

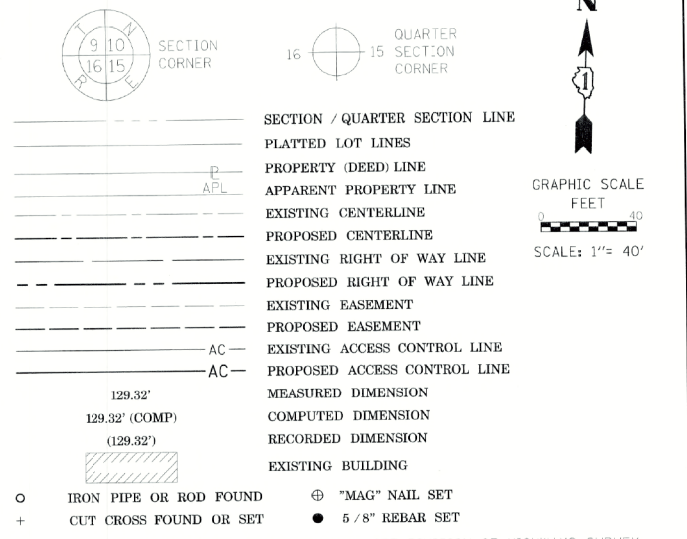
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DETAIL 0007, 0008, 0009 & 0010
 SCALE: N.T.S.

| COORDINATE TABLE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT) | | | | | |
|--|-----------|--------|--------------|--------------|--|
| PT# | STATION | OFFSET | NORTHING | EASTING | |
| 48 | 218+43.90 | 40.27 | 1949982.6144 | 1128440.4902 | |
| 49 | 218+42.10 | 51.13 | 1949993.5856 | 1128439.6025 | |
| 50 | 218+62.51 | 36.16 | 1949977.0281 | 1128458.3335 | |
| 51 | 219+18.22 | 36.42 | 1949975.3487 | 1128511.3069 | |
| 52 | 219+18.55 | 32.43 | 1949971.3586 | 1128511.6297 | |
| 53 | 218+92.17 | 30.98 | 1949970.3262 | 1128486.3449 | |
| 54 | 218+92.17 | 30.98 | 1949970.3262 | 1128486.3449 | |
| 55 | 218+58.56 | 39.00 | 1949980.1412 | 1128454.8117 | |
| 56 | 219+17.96 | 39.43 | 1949978.3580 | 1128511.0634 | |
| 57 | 219+74.54 | 37.00 | 1949977.5862 | 1128566.1049 | |
| 58 | 219+74.70 | 33.00 | 1949973.5961 | 1128566.4282 | |
| 59 | 219+74.41 | 40.00 | 1949990.5788 | 1128565.8624 | |
| 60 | 219+90.71 | 33.00 | 1949974.2493 | 1128582.4277 | |
| 61 | 219+90.55 | 37.00 | 1949978.2395 | 1128582.1044 | |
| 62 | 220+35.90 | 37.00 | 1949980.0898 | 1128627.4218 | |
| 63 | 220+35.70 | 33.00 | 1949976.0849 | 1128627.3833 | |
| 64 | 219+90.43 | 40.00 | 1949981.2321 | 1128581.8619 | |
| 65 | 220+36.05 | 40.00 | 1949983.0935 | 1128627.4507 | |
| 66 | 220+40.92 | 37.00 | 1949980.2944 | 1128632.4339 | |
| 67 | 220+65.71 | 33.00 | 1949977.3091 | 1128657.3653 | |
| 68 | 220+41.16 | 40.00 | 1949983.3018 | 1128632.5518 | |
| 69 | 220+65.87 | 36.01 | 1949980.3262 | 1128657.4013 | |
| 70 | 220+66.18 | 42.00 | 1949986.3210 | 1128657.4729 | |
| 71 | 220+78.17 | 42.00 | 1949986.8098 | 1128669.4448 | |
| 72 | 220+77.69 | 33.00 | 1949977.7979 | 1128669.3372 | |

LEGEND

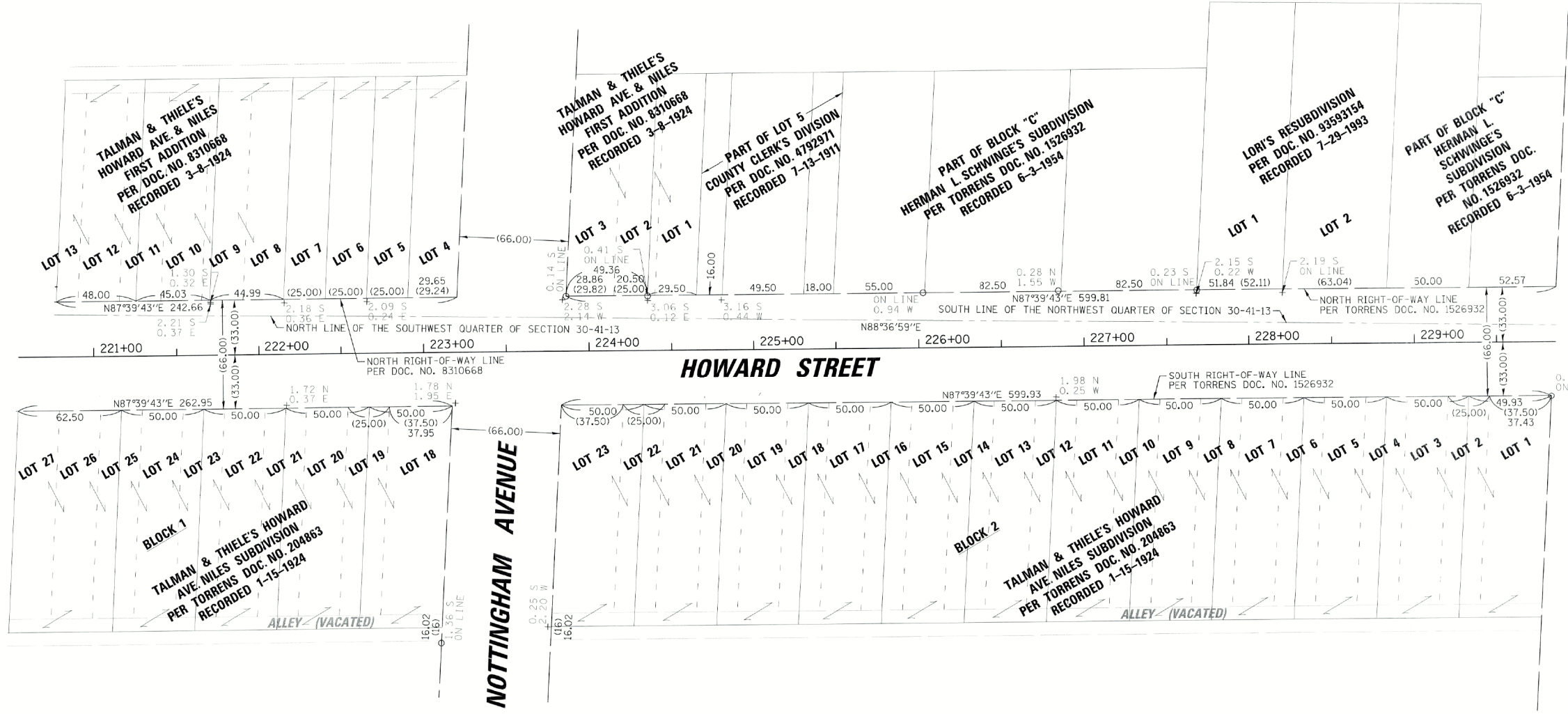


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DATED AT ROSEMONT, ILLINOIS THIS 28th DAY OF May 2019 A.D.

Kenneth J. Rasmussen
 KENNETH J. RASMUSSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35474
 LICENSE EXPIRATION DATE: 11-30-2020

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



| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA | | PARCEL INDEX NUMBER |
|----------------|----------------------|----------------------|-------------------------------|----------------------|---------------|-------------|---------------------|
| | | | | | ACRES | SQUARE FEET | |
| 0007 0007TE | 0.240 | 0.010 | N/A | 0.230 | TE= 0.004 | N/A 163 | 10-30-113-032 |
| 0008 0008TE | 0.189 | 0.005 219 SQ. FT. | N/A | 0.184 | TE= 0.004 | N/A 165 | 10-30-113-033 |
| 0009 0009TE | 0.115 | 0.004 181 SQ. FT. | N/A | 0.111 | TE= 0.003 | N/A 136 | 10-30-113-034 |
| 0010 0010TE | 0.128 | 0.002 70 SQ. FT. | N/A | 0.126 | TE= 0.005 | N/A 198 | 10-30-113-039 |

NOTE:
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 AREAS SHOWN ON THIS PLAT ARE "GROUND"

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

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 220+53.91 TO STA. 229+82.89 R-55-001-97
 SCALE: 1"= 40' SHEET 81 OF 221 SHEETS

IDOT USE ONLY

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

N:\NILES\190049\Survey\hwy\90049_05.Sur

PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NW QUARTER OF SECTION 29, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

SECTION CORNER
 QUARTER SECTION CORNER

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

MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }
 COUNTY OF COOK }SS



PART OF LOT 8
 COUNTY CLERK'S DIVISION
 PER DOC. NO. 4792971
 RECORDED 7-13-1911

ANDERSON'S HOWARD STREET SUBDIVISION
 PER DOC. NO. 24568208
 RECORDED 8-4-1978

LOT 14
 TAM O'SHANTER'S INDUSTRIAL PARK
 PER DOC. NO. 1996514 & TORRENS DOC. NO. 2301105
 RECORDED 11-17-1986

LOT 2
 TAM O'SHANTER'S INDUSTRIAL PARK
 PER DOC. NO. 1996514 & TORRENS DOC. NO. 2301105
 RECORDED 11-17-1986

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 28 DAY OF May 2019 A.D.

Kenneth J. Rasmussen
 KENNETH J. RASMUSSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
 LICENSE EXPIRATION DATE: 11-30-2020

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

NOTE:
 ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
 BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99997021489.
 AREAS SHOWN ON THIS PLAT ARE "GROUND"

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

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 238+00.00 TO STA. 245+93.96 R-55-001-97
 SCALE: 1"= 40' SHEET 83 OF 221 SHEETS

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

IDOT USE ONLY

N:\NILES\1902749\Survey\hwy1902749_07.Sur

PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NW QUARTER OF SECTION 29, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

| COORDINATE TABLE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT) | | | | |
|--|-----------|----------|--------------|--------------|
| PT# | STATION | OFFSET | NORTHING | EASTING |
| 73 | 246+24.52 | 40.00 LT | 1950071.4941 | 1131214.9819 |
| 74 | 246+24.52 | 46.00 LT | 1950077.4924 | 1131214.8370 |
| 75 | 249+46.52 | 46.00 LT | 1950085.2674 | 1131536.7432 |
| 76 | 249+40.30 | 40.00 LT | 1950079.1191 | 1131530.6723 |

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)SS

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 28 DAY OF MAY 2019 A.D.

Kenneth J. Rasmussen
 KENNETH J. RASMUSSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35440
 LICENSE EXPIRATION DATE: 11-30-2020

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

NOTE:
 ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
 BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99997021489.
 AREAS SHOWN ON THIS PLAT ARE "GROUND"

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

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 245+93.96 TO STA. 254+35.84 R-55-001-97
 SCALE: 1"= 40' SHEET 84 OF 221 SHEETS

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

N:\NILES\190049_Survey\HW\190049_08_Sur

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA | | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|---------------|-------------|---------------------|
| | | | | | ACRES | SQUARE FEET | |
| 0011 | 2.750 | 0.044 | N/A | 2.706 | N/A | N/A | 10-30-200-027 |

REVISION DATE: 05-28-2019 REVISION MADE BY: AJK

PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NW QUARTER OF SECTION 29, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

SECTION CORNER
 QUARTER SECTION CORNER

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

MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

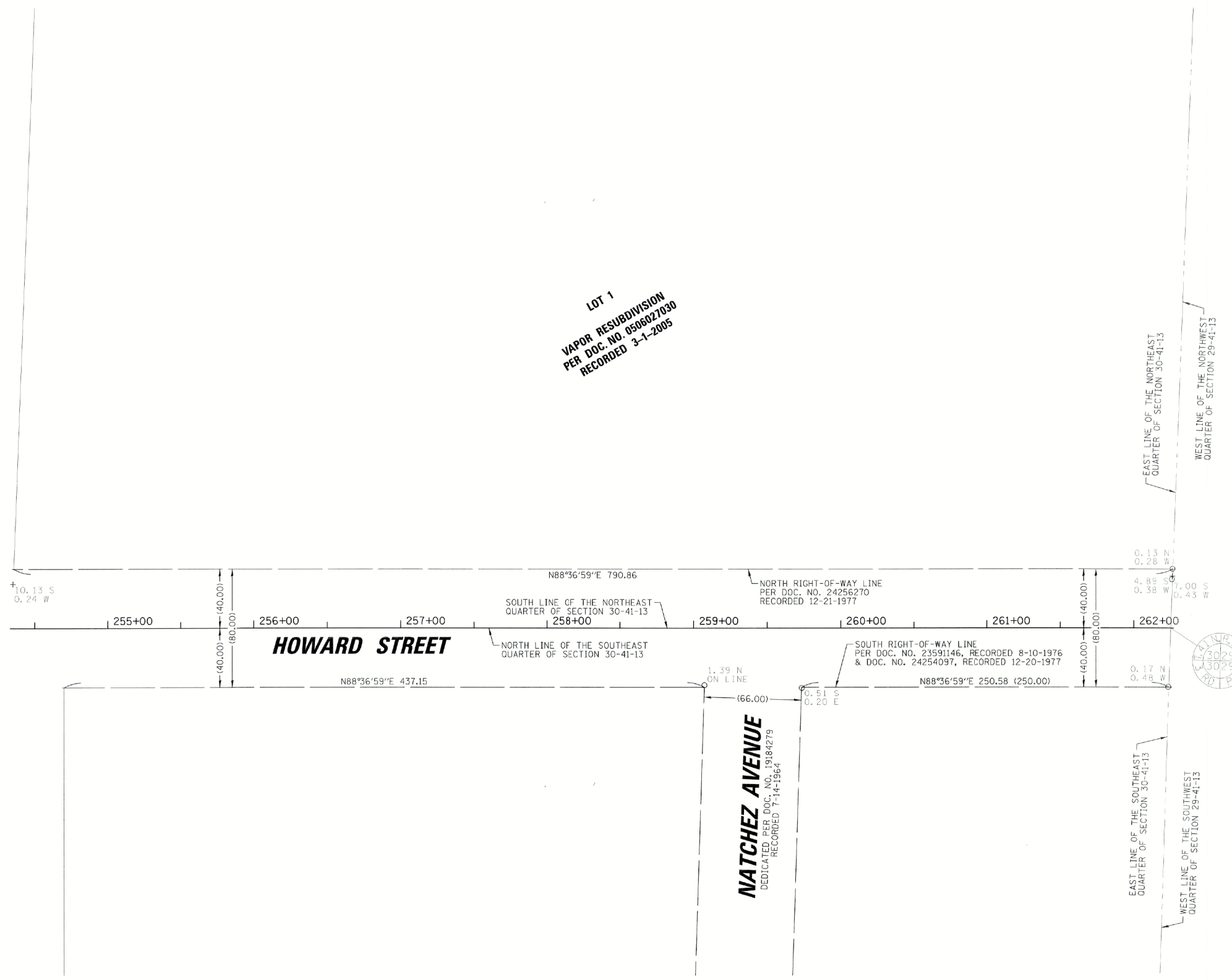
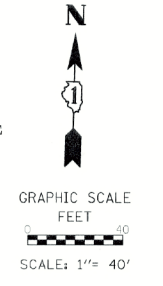
IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 "MAG" NAIL SET
 5/8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)



THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 28 DAY OF March 19 A.D.

Kenneth J. Rasmussen
 KENNETH J. RASMUSSEN
 240 PROFESSIONAL LAND SURVEYOR
 STATE OF ILLINOIS
 LICENSE EXPIRATION DATE: 11-30-2020

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 30424
 LICENSE EXPIRATION DATE: 11-30-2020

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

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

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

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 254+35.84 TO STA. 262+23.93 R-55-001-97
 SCALE: 1" = 40' SHEET 85 OF 221 SHEETS

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

N:\NILES\190049\Survey\hwy\50049_09.sur

PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NW QUARTER OF SECTION 29, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

| PT# | STATION | OFFSET | NORTHING | EASTING |
|-----|-----------|----------|--------------|--------------|
| 77 | 268+15.71 | 40.00 LT | 1950112.1072 | 1133406.5388 |
| 78 | 268+15.71 | 52.00 LT | 1950124.1071 | 1133406.4992 |
| 79 | 268+70.71 | 52.00 LT | 1950124.2868 | 1133461.4989 |
| 80 | 268+70.71 | 40.00 LT | 1950112.2889 | 1133461.5385 |

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
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- COMPUTED DIMENSION
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- EXISTING BUILDING
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (IWE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 28 DAY OF MAY 2019 A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 38240
 LICENSE EXPIRATION DATE: 11-30-2020

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

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

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

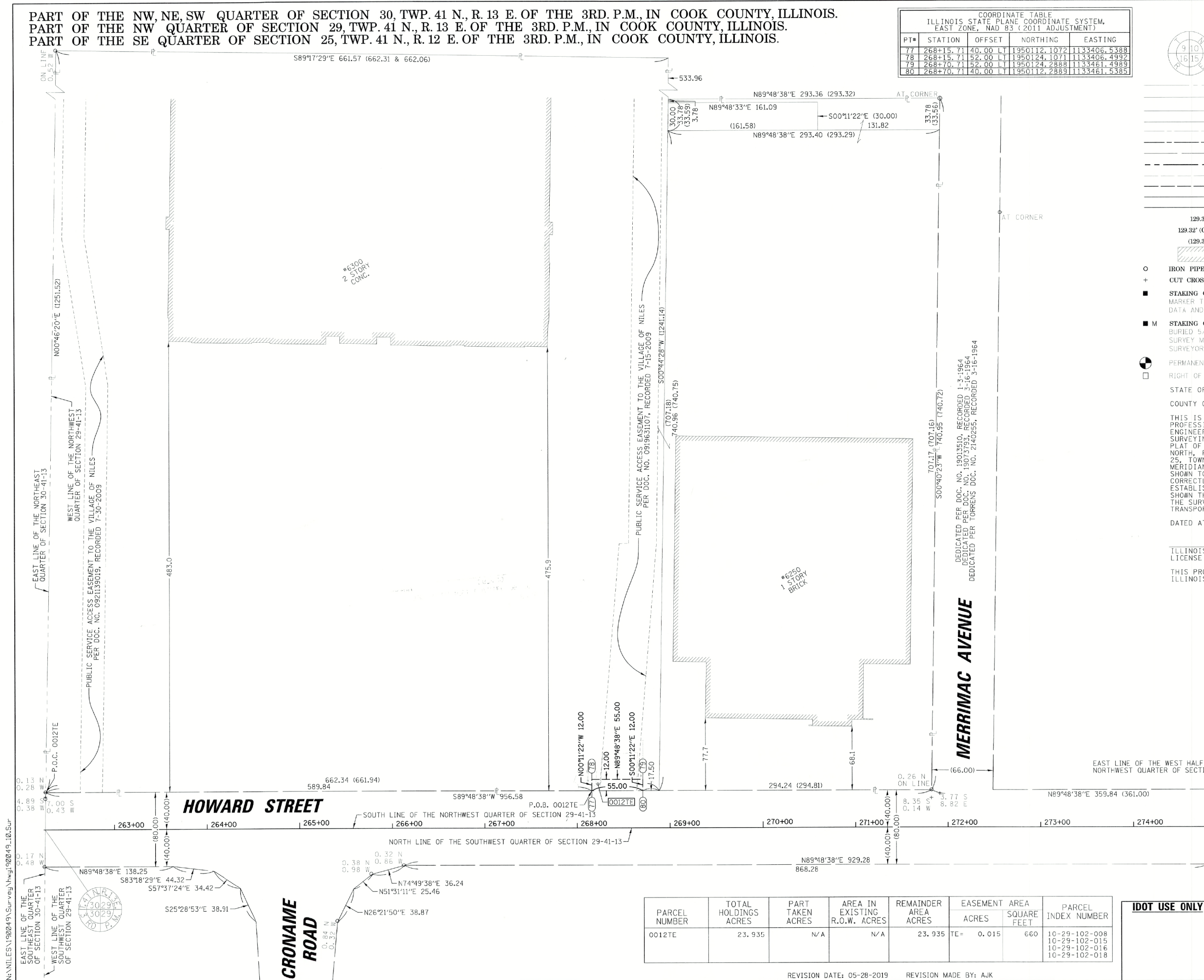
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 262+23.93 TO STA. 274+81.30 R-55-001-97
 SCALE: 1"= 50' SHEET 86 OF 221 SHEETS

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

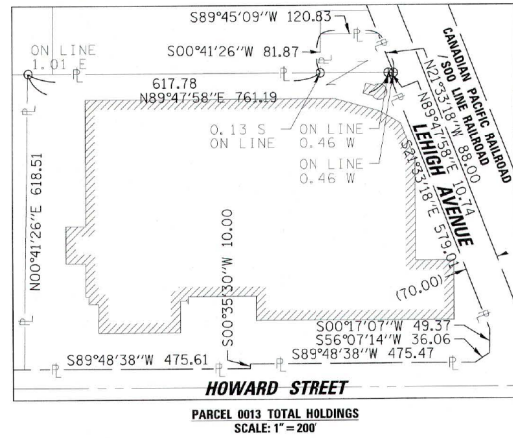
| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA | | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|---------------|-------------|--|
| | | | | | ACRES | SQUARE FEET | |
| 0012TE | 23.935 | N/A | N/A | 23.935 | TE= 0.015 | 660 | 10-29-102-008 10-29-102-015 10-29-102-016 10-29-102-018 |

REVISION DATE: 05-28-2019 REVISION MADE BY: AJK



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PART OF THE NW, NE, SW QUARTER OF SECTION 30, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NW QUARTER OF SECTION 29, TWP. 41 N., R. 13 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SE QUARTER OF SECTION 25, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



| PT# | STATION | OFFSET | NORTHING | EASTING |
|-----|-----------|--------|--------------|--------------|
| 85 | 281+10.92 | 40.00 | 1950116.3868 | 1134701.7391 |
| 86 | 281+10.92 | 48.00 | 1950124.3868 | 1134701.7127 |
| 87 | 281+48.92 | 48.00 | 1950124.5123 | 1134739.7125 |
| 88 | 281+48.92 | 40.00 | 1950116.5124 | 1134739.7389 |

LEGEND

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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

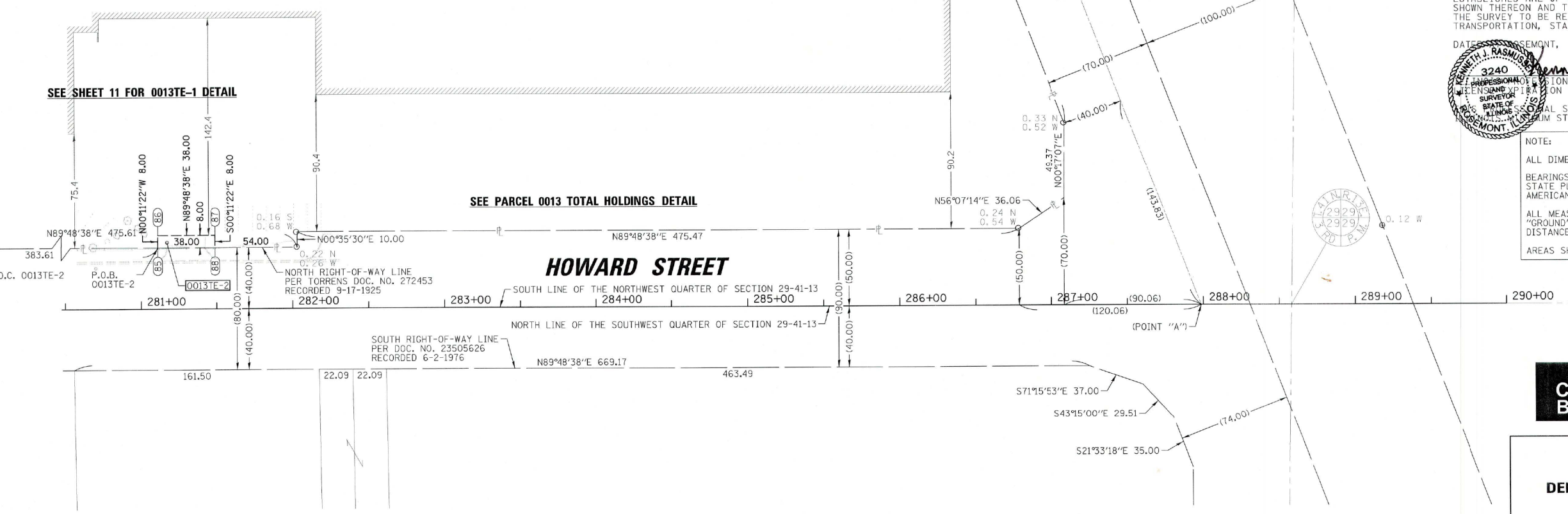
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

EAST LINE OF THE WEST 1/4 OF THE NW 1/4 OF SECTION 29-41-13



THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30 & 29, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN & SECTION 25, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATE OF ASSESSMENT, ILLINOIS THIS 13 DAY OF June 20 19 A.D.

Kenneth J. Rasmussen
 KENNETH J. RASMUSSEN
 PROFESSIONAL LAND SURVEYOR NO. 35-3240
 ILLINOIS EXP. ON DATE: 11-30-2020

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND", TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99997021489.

AREAS SHOWN ON THIS PLAT ARE "GROUND"

N:\NILES\190049\Survey\hwj\20049_12.Sur

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT ACRES | AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---------------|----------------------|------------------|-------------------------------|----------------------|----------------|------------------|--------------------------------|
| 0013TE-2 | 12.701 | N/A | N/A | 12.701 | TE-2= 0.007 | 304 | 10-29-102-011 10-29-102-014 |

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

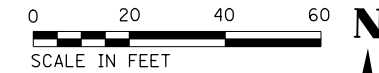
PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 HOWARD STREET

LIMITS: MILWAUKEE AVE TO LEHIGH AVE COUNTY: COOK
 SECTION: 13-00116-00-TL JOB NO.: C-91-379-13
 STA. 280+55.80 TO STA. 290+00.00 R-55-001-97
 SCALE: 1"= 40' SHEET 88 OF 221 SHEETS

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

REVISION DATE: 06-13-2019 REVISION MADE BY: AJK

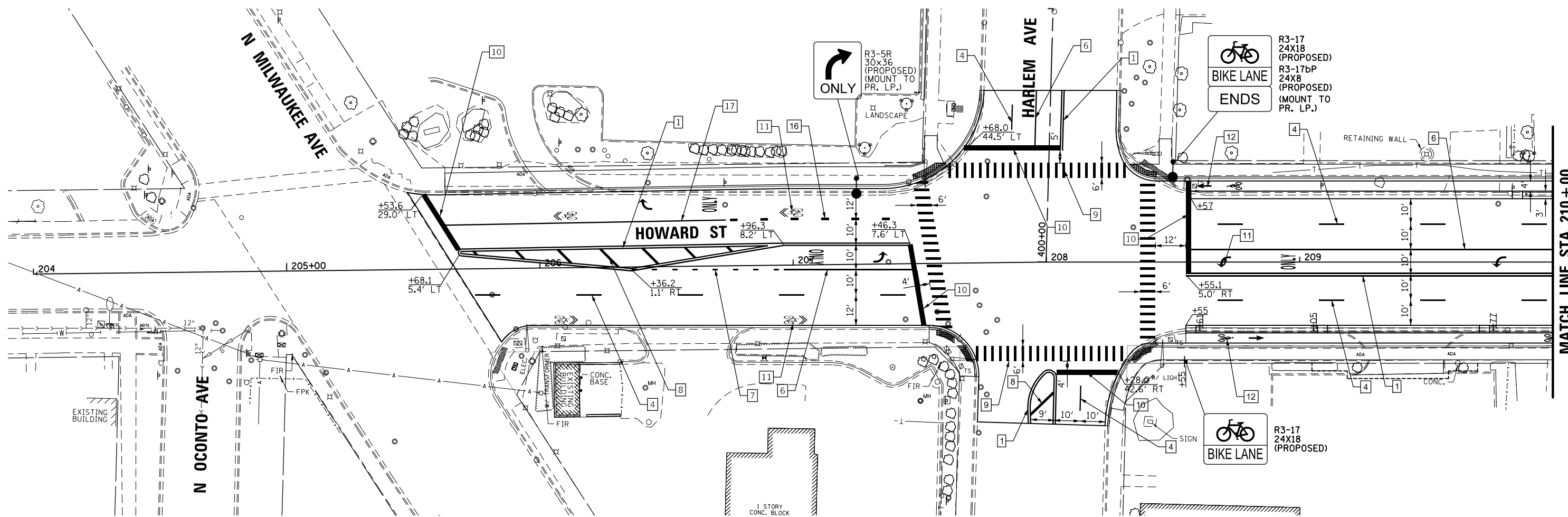


PAVEMENT MARKING LEGEND:

- | | | | |
|---|---|----|---|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 9 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE) |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 11 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP) | 12 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) | 13 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | 14 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 15 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
| 8 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) | 16 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP) |
| | | 17 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE) |

| | | |
|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NO. _____ | |

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



FILE NAME = N:\NILES\180016\Civ1\PMK_180016_01.SHT
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USER NAME = rhowellindgren
 PLOT SCALE = 48"
 PLOT DATE = 11/21/2019

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
 PAVEMENT MARKING AND SIGNING PLAN**

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

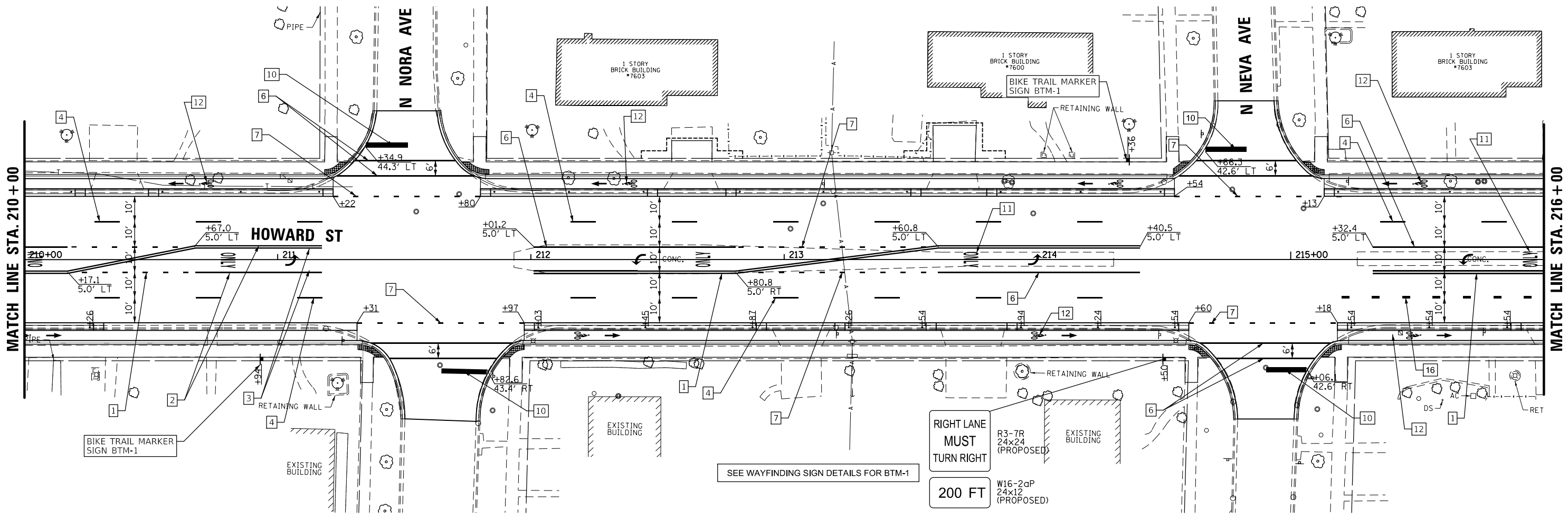
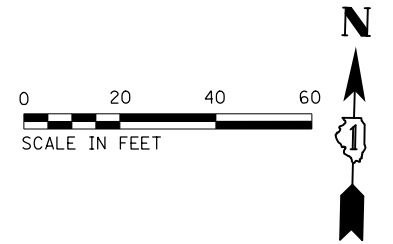
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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 89 |
| CONTRACT NO. 61G08 | | | ILLINOIS FED. AID PROJECT | |

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

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| DATE | |
| BY | |
| PROFILE | SURVEYED |
| | PLOTTED |
| | GRADES CHECKED |
| | STRUCTURE NOTATIONS CHECKED |
| | NOTE BOOK NO. |
| | CARD FILE NAME |

PAVEMENT MARKING LEGEND:

- | | |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE) |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP) | 12 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) | 13 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) |
| 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | 14 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) |
| 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 15 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
| 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) | 16 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP) |
| | 17 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE) |



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| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civ1\PMK_180016_02.SHT | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
| PRO | PLOT DATE = 11/21/2019 | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
PAVEMENT MARKING AND SIGNING PLAN**

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

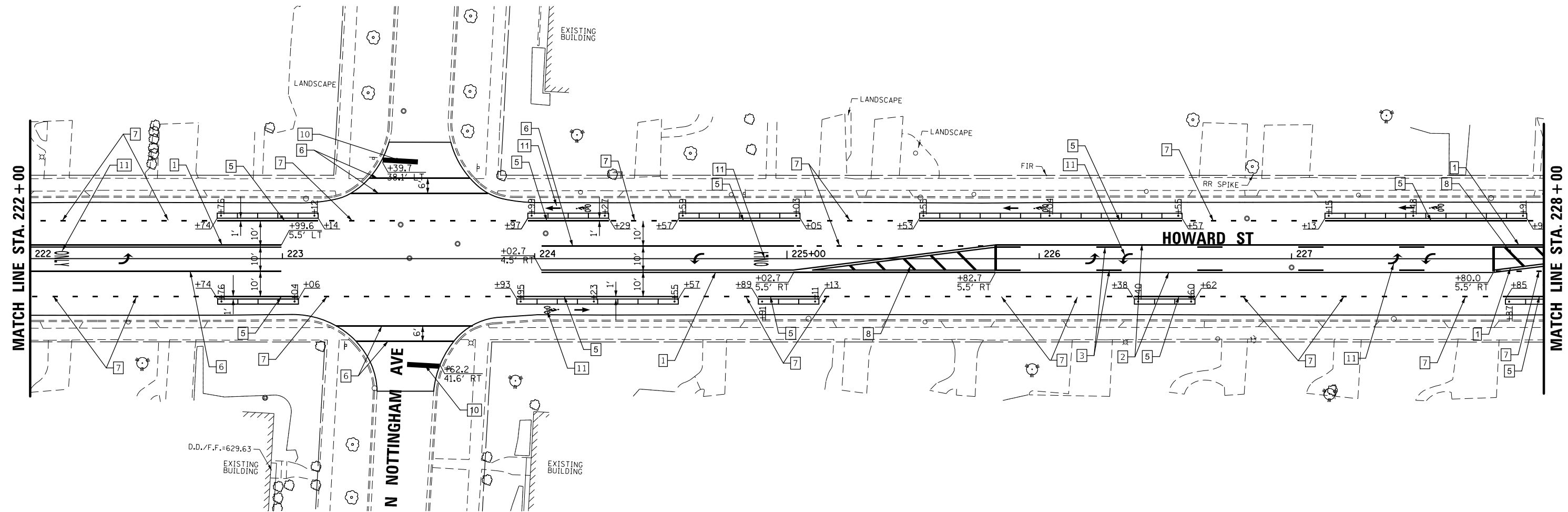
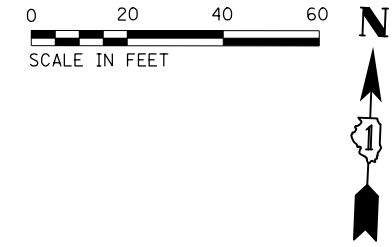
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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 90 |
| CONTRACT NO. 61G08 | | | ILLINOIS FED. AID PROJECT | |

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|------|------|
| PLAN | DATE |
| NO. | |
| BY | |
| DATE | |
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| NO. | |
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| DATE | |
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| PROFILE | DATE |
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| NO. | |
| BY | |
| DATE | |
| NO. | |

PAVEMENT MARKING LEGEND:

- | | | | |
|---|---|----|---|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 9 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE) |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 11 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP) | 12 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) | 13 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | 14 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 15 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
| 8 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) | 16 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP) |
| | | 17 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE) |



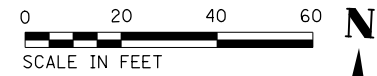
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 USER NAME = rhowellindgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
PAVEMENT MARKING AND SIGNING PLAN**
 SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

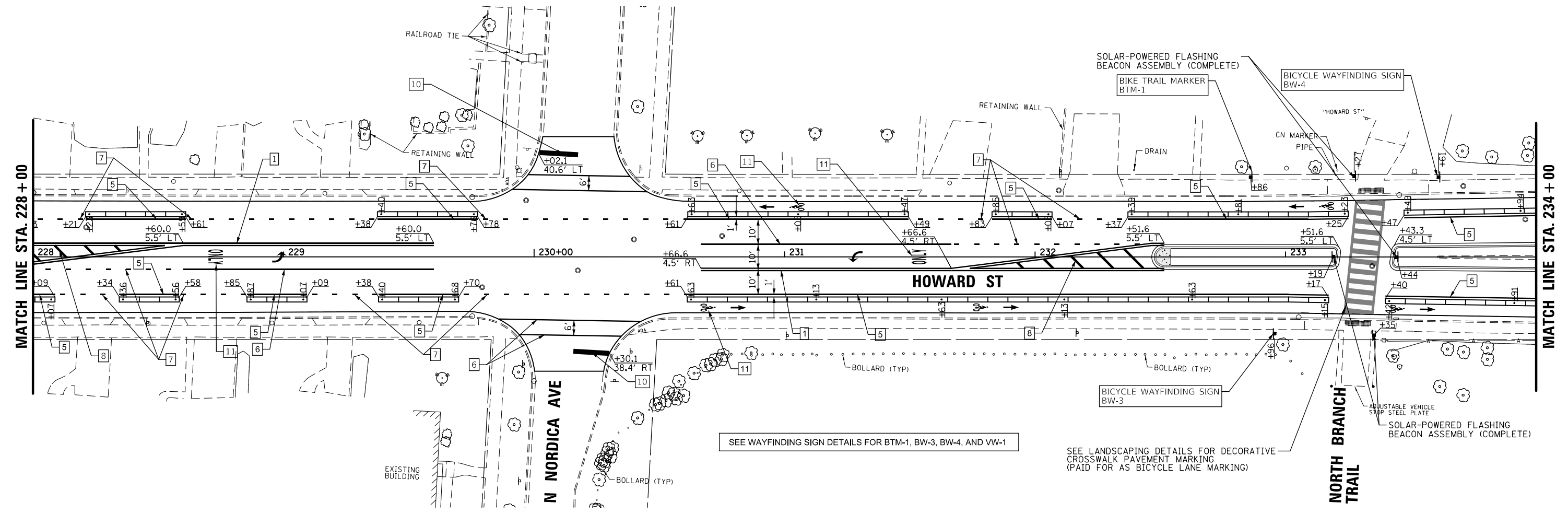
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|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 92 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
 - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
 - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
 - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)
 - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
 - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
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 - 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - 12 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
 - 13 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
 - 14 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
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 - 17 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)

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| DATE | |
| BY | |
| PLAN | SURVEYED |
| | PLOTTED |
| | GRADES CHECKED |
| | ALIGNMENT CHECKED |
| | STRUCTURE NOTATIONS CHECKED |
| | ROAD FILE NAME |
| | NO. |

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| DATE | |
| BY | |
| PROFILE | SURVEYED |
| | PLOTTED |
| | GRADES CHECKED |
| | ALIGNMENT CHECKED |
| | STRUCTURE NOTATIONS CHECKED |
| | ROAD FILE NAME |
| | NO. |



SEE WAYFINDING SIGN DETAILS FOR BTM-1, BW-3, BW-4, AND VW-1

SEE LANDSCAPING DETAILS FOR DECORATIVE CROSSWALK PAVEMENT MARKING (PAID FOR AS BICYCLE LANE MARKING)

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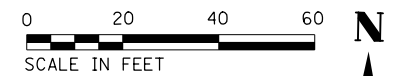
USER NAME = rhowellindgren
 PLOT SCALE = 48'
 PLOT DATE = 11/21/2019

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

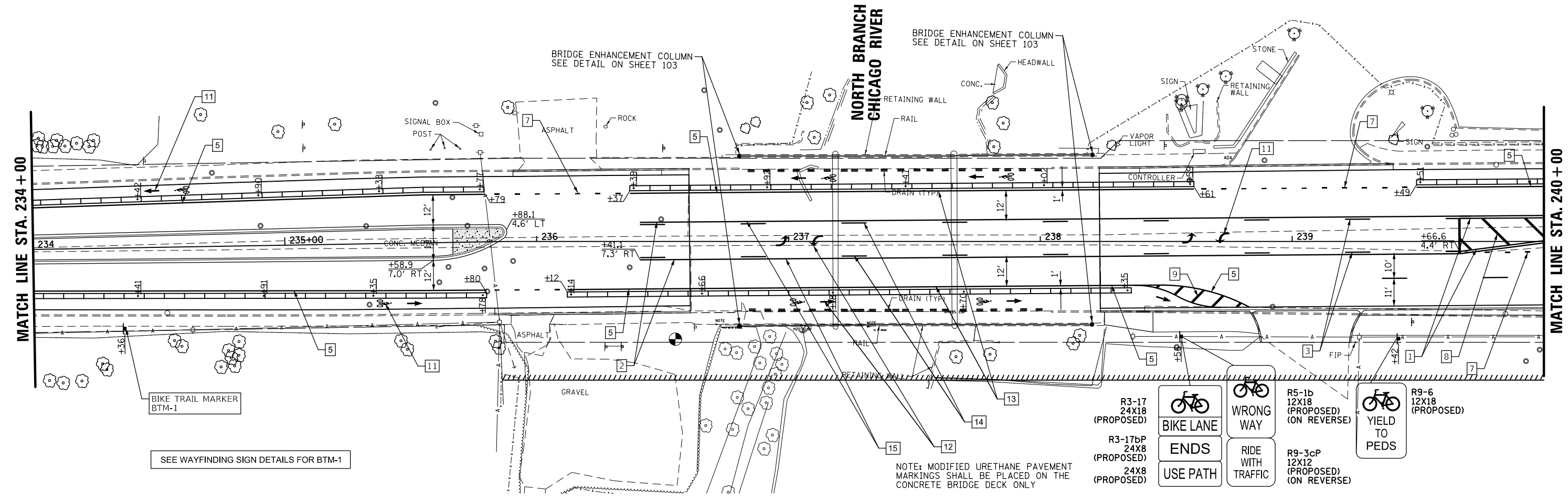
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
 PAVEMENT MARKING AND SIGNING PLAN**
 SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------------|--------|--------------|--------------------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 93 |
| | | | | CONTRACT NO. 61G08 |
| ILLINOIS FED. AID PROJECT | | | | |



- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
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 - 16 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)
 - 17 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)



- R3-17 24X18 (PROPOSED) BIKE LANE
- R3-17bP 24X8 (PROPOSED) ENDS
- R3-17cP 24X8 (PROPOSED) USE PATH
- R5-1b 12X18 (PROPOSED) (ON REVERSE) WRONG WAY
- R9-3cP 12X12 (PROPOSED) (ON REVERSE) RIDE WITH TRAFFIC
- R9-6 12X18 (PROPOSED) YIELD TO PEDS

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

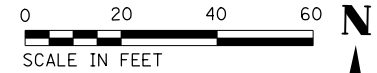
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| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
PAVEMENT MARKING AND SIGNING PLAN**

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

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 94 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

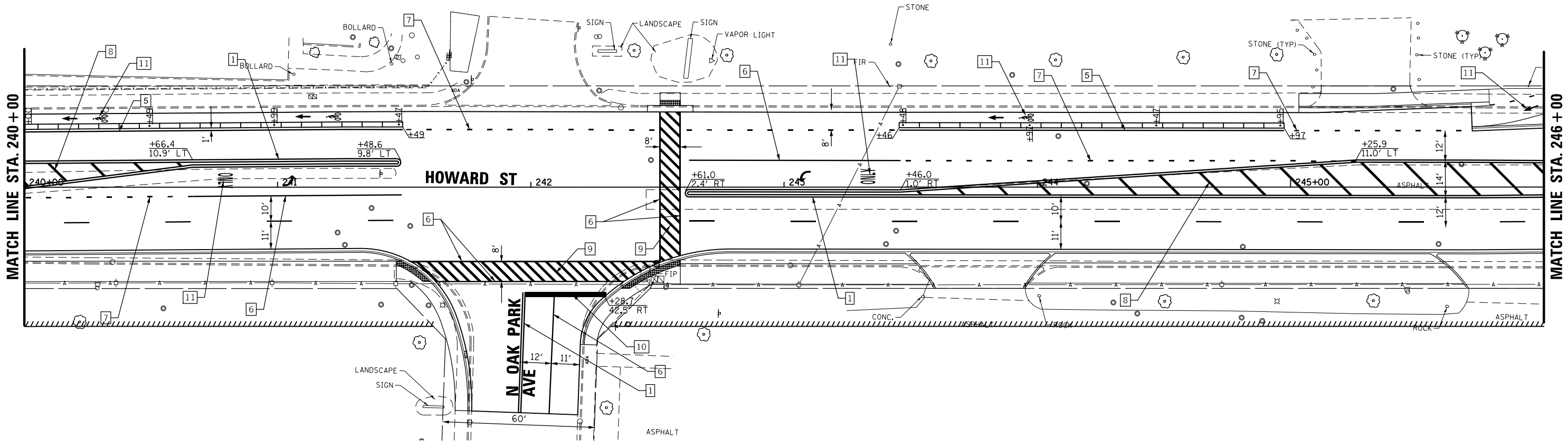


PAVEMENT MARKING LEGEND:

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|---|---|----|---|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 9 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE) |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
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| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP) | 12 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
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| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 15 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
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| PLAN | SURVEYED | DATE |
| NOTE BOOK | PLOTTED | BY |
| NO. | ALIGNED | |
| | CHECKED | |
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| | DATE | |

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| PROFILE | SURVEYED | DATE |
| NOTE BOOK | GRADES CHECKED | BY |
| NO. | STRUCTURE | |
| | NOT AT THIS OFFICE | |



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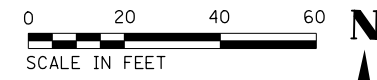
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| DESIGNED - | REVISED - |
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| DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
 PAVEMENT MARKING AND SIGNING PLAN**

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

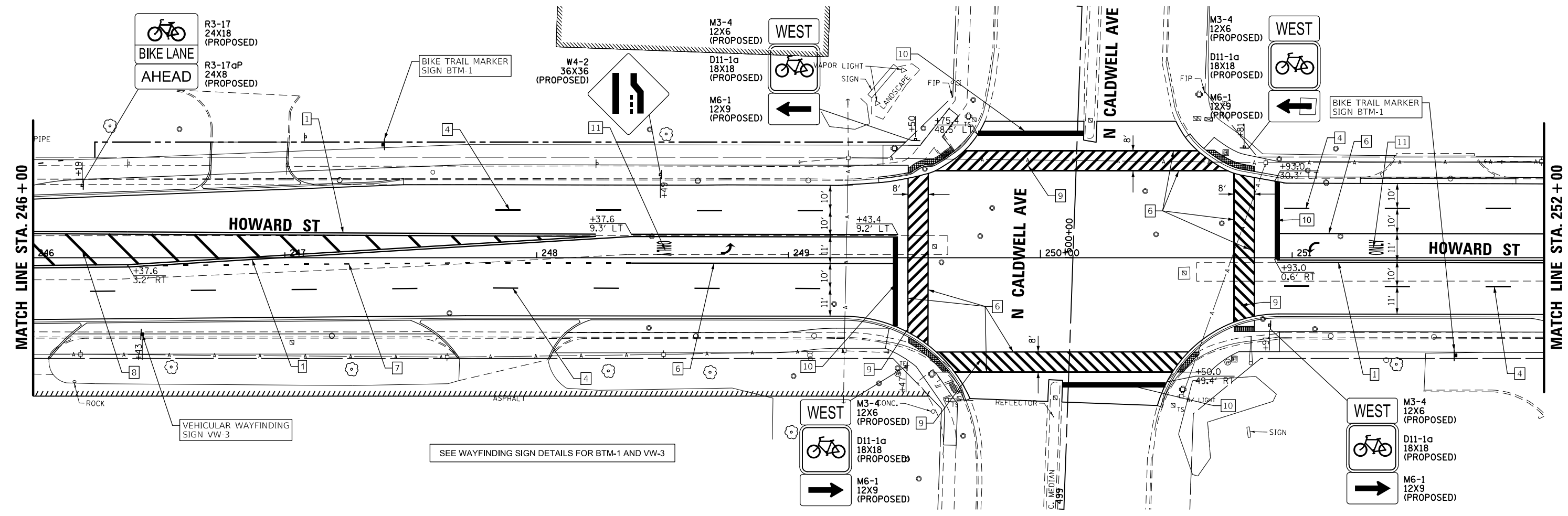
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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 95 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
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| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NO. _____ | |
| | BY _____ | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
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| | STRUCTURE NOTATIONS CHECKED | |
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| | BY _____ | |



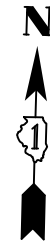
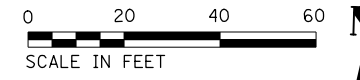
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| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET IMPROVEMENTS
PAVEMENT MARKING AND SIGNING PLAN**

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

| | | | | |
|---------------------|---------------------------|----------------|---------------------|---------------------------|
| F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 96 |
| CONTRACT NO. 61G08 | | | | ILLINOIS FED. AID PROJECT |

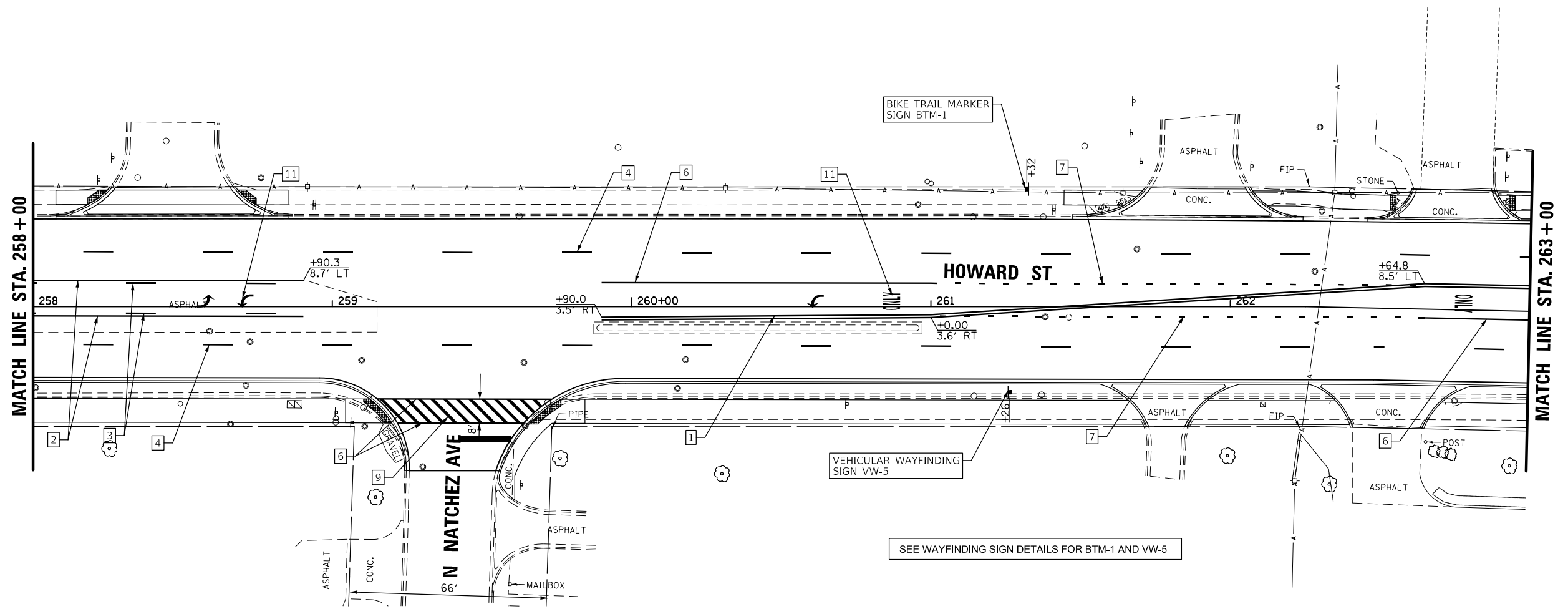


PAVEMENT MARKING LEGEND:

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|---|---|----|---|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 9 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE) |
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| | | 17 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE) |

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

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

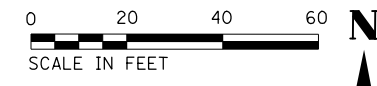


| | | | |
|---|----------------------------|------------|-----------|
| FILE NAME = | USER NAME = rhowellindgren | DESIGNED - | REVISED - |
| N:\NILES\180016\Civ11\PMK_180016_10.SHT | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

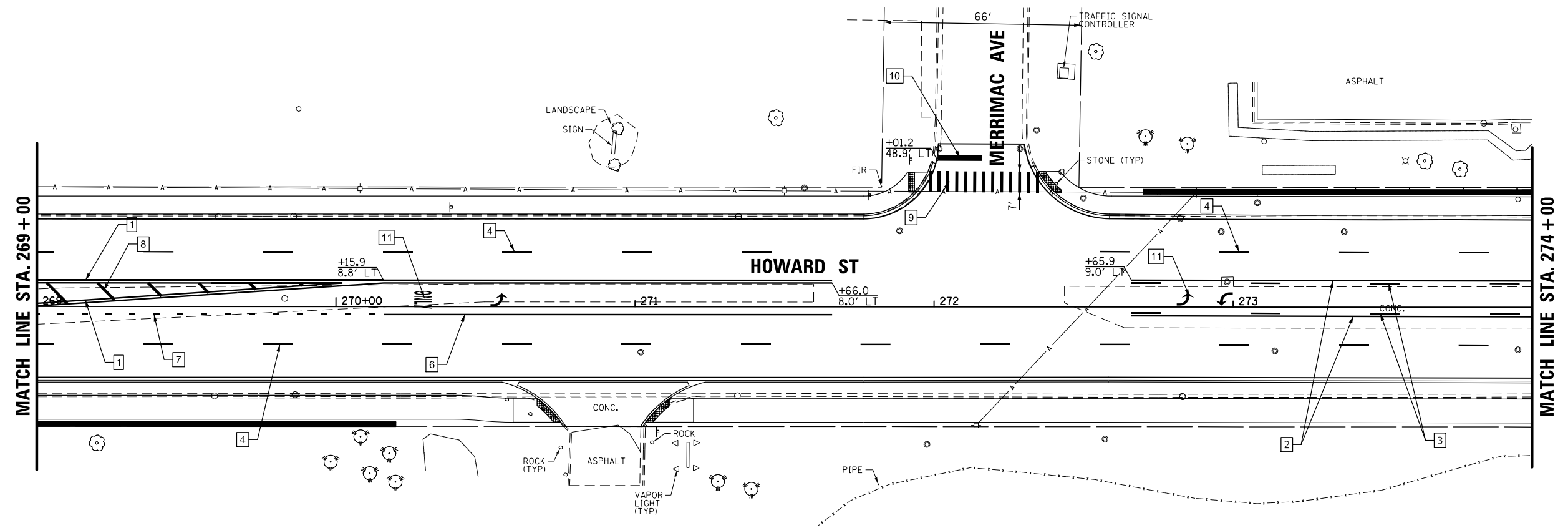
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---|-------|-----------|--------------|
| HOWARD STREET IMPROVEMENTS PAVEMENT MARKING AND SIGNING PLAN | | | |
| SCALE: 1" = 20' | SHEET | OF SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1334 | 13-00116-00-TL | COOK | 221 | 98 |
| CONTRACT NO. 61G08 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
 - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
 - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
 - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)
 - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
 - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
 - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
 - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
 - 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)
 - 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
 - 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - 12 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
 - 13 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
 - 14 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
 - 15 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
 - 16 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)
 - 17 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)



| | | |
|------|-------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | NOTED | |
| | FILE NAME | |
| | NO. | |

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

| | | | | | | | | | | | | | |
|--|-------------------------------|-----------------------|------------------------|---|---|-------|----|------------------------|---------------------------|----------------|------------------------|---------------------|--|
| FILE NAME = N:\NILES\180016\Civil\PMK_180016_12.SHT | USER NAME = rhowellindgren | DESIGNED - DRAWN - | REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HOWARD STREET IMPROVEMENTS PAVEMENT MARKING AND SIGNING PLAN | | | F.A.S. RTE. 1334 | SECTION 13-00116-00-TL | COUNTY COOK | TOTAL SHEETS 221 | SHEET NO. 100 | |
| PRO | PLOT SCALE = 48' | CHECKED - | REVISED - | | SCALE: 1" = 20' | SHEET | OF | SHEETS | STA. | TO | STA. | CONTRACT NO. 61G08 | |
| | PLOT DATE = 11/21/2019 | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | | |