02-27-2026 LETTING ITEM 082

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	1
		ILLINOIS	CONTRACT NO. 61M28	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN. ROUTE 4029 (BRAINTREE DRIVE)
SCHAUMBURG ROAD TO BODE ROAD
ROAD RESURFACING AND SHARED USE PATH CONSTRUCTION
SECTION 25-00149-02-RS
PROJECT NO.: 2X1Q(070)
VILLAGE OF SCHAUMBURG
COOK COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 3

TRAFFIC DATA – BRAINTREE DRIVE

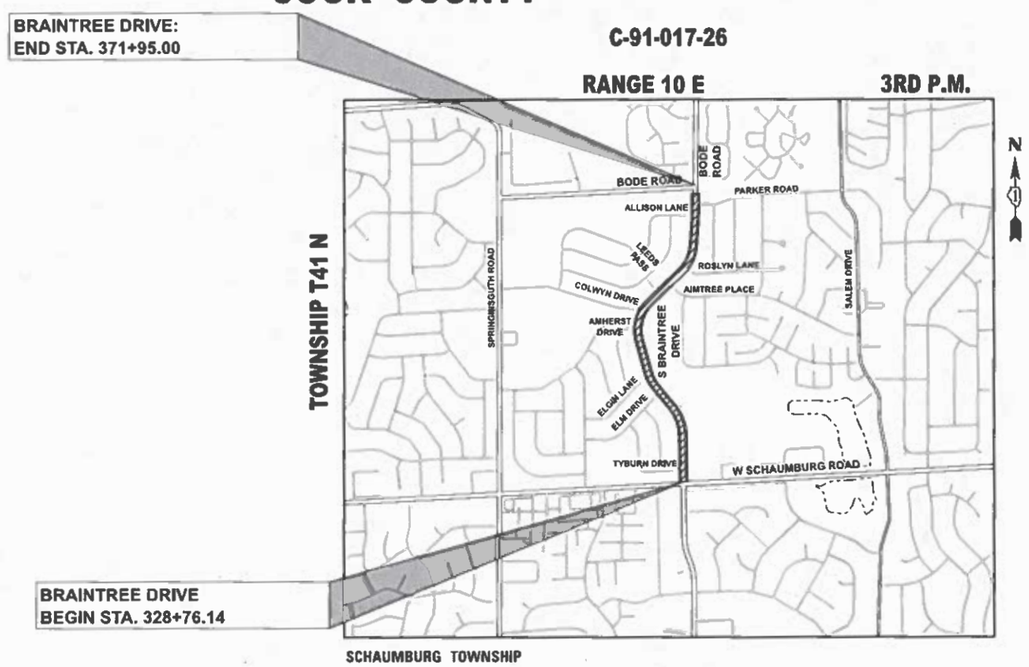
ADT 2025 = 4,200 VPD
POSTED SPEED = 25 MPH
DESIGN SPEED = 25 MPH
DESIGN DESIGNATION = MINOR COLLECTOR

JOSEPH J. EMRY 062-057496 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

JOSEPH J. EMRY, P.E. — DATE: 11-11-2025
LICENSE EXPIRES 11-30-2027
SHEET RANGE 70 – 80

DEREK N. MALL 062-051308 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DEREK N. MALL, P.E. — DATE: 11-11-2025
LICENSE EXPIRES 11-30-2027
SHEET RANGE 81 – 88



PROJECT LOCATION
NOT TO SCALE

PROJECT LENGTH:
BRAINTREE DRIVE — GROSS & NET LENGTH – 4,318.86 FT (0.82 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Approved: BJR R. MALL
ENG. DIV. MAN. 11-11-2025
Village of Schaumburg
Passed: DECEMBER 23, 2025
District One Engineer of Local Roads & Streets
Releasing for Bid Based on Limited Review: Dec 23, 2025
Regional Engineer

CIVILTECH ENGINEERING, INC. 184-000826 LS/PE/SE CORPORATION ILLINOIS

NATHAN E. MURPHY 062-071772 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

NATHAN E. MURPHY, P.E. — DATE: 11-11-2025
LICENSE EXPIRES 11-30-2027
SHEET RANGE 1 – 69, 89 – 172

100' 200' 300' — 1"= 100'
10' 20' 30' — 1"= 10'
50' 100' — 1"= 50'
50' 100' — 1"= 40'
50' 100' — 1"= 30'
50' 100' — 1"= 20'

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

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

CIVILTECH
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 61M28

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

INDEX OF SHEETS

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2026. THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" 2020 EIGHTH EDITION, "AMERICAN STANDARDS FOR NURSERY STOCK, 2004 EDITION"; THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.

2. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

3. ALL UTILITY COMPANIES, SCHOOL DISTRICT 54 (847-357-5000), TOWNSHIP HIGH SCHOOL DISTRICT 211 (847-755-6600), SCHAUMBURG FIRE DEPARTMENT (847-923-6750), AND SCHAUMBURG POLICE DEPARTMENT (847-882-3534) SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

   THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

5. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM/HER, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER.

PAVING, CURB & GUTTER, AND SIDEWALK

1. HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

2. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION AND TOPSOIL PLACEMENT HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

3. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN OIN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.

4. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

5. CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, DRIVEWAY REMOVAL AND REPLACEMENT, AND PATCHING WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

TREE PROTECTION

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

2. TEMPORARY FENCE SHALL BE ERECTED ALONG THE THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DIRECTED BY THE ENGINEER OR SHOWN ON THE PLANS. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

3. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT-OF-WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

LANDSCAPING

1. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED IN THE SPECIAL PROVISION.

ROADWAY EXCAVATION AND SUBGRADE

1. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

2. ANY AGGREGATE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

3. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND SUBBASE GRANULAR MATERIAL, TYPE B (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

4. WHEN EXCAVATING OR REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO AVOID DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO, LAWN SPRINKLER SYSTEMS AND COMPONENTS, ELECTRICAL CONDUITS, AND INVISIBLE DOG FENCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT PUBLIC AND PRIVATE OWNERS TO COORDINATE UTILITY WORK. ANY DAMAGE SHALL BE REPAIRED AND/OR REPLACED WITHIN 7 CALENDAR DAYS. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.

UTILITIES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GURANTEE THEIR ACCURACY.

2. STRUCTURE ADJUSTMENTS AND RECONSTRUCTIONS HAVE BEEN SHOWN BASED ON FIELD INVESTIGATIONS. THE FINAL DETERMINATION FOR WHETHER THE WORK TO BE PERFORMED IS AN ADJUSTMENT OR RECONSTRUCTION WILL BE MADE BY THE ENGINEER IN THE FIELD.

3. DRAINAGE STRUCTURE FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE LANE. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.

4. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES SHALL BE REPAIRED BY THE CONTRACTOR.

5. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07 (B,C) OF THE SSRBC WILL NOT BE ALLOWED.

6. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT SHALL HAVE CAST INTO THE LID "VILAGE OF SCHAUMBURG" AND ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES "STORM". FOR SANITARY SEWER STRUCTURES "SANITARY". FOR WATER SYSTEM STRUCTURES "WATER".

STAKING

1. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF THE PAVEMENT UNLESS OTHERWISE NOTED.
2. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE.
3. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
4. THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. WHERE NEW WORK IS PROPOSED TO MEET EXISTING FEATURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND NOTIFY THE ENGINEER OF DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.

EROSION CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
4. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
5. ALL SLOPES SHALL BE COVERED WITH SOD AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SOD SHALL BE THE LIMITS OF THE GRADING.
6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER AND SHOULDERS.
7. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
8. SEE STANDARD 280001 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.
9. THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FRO MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

MISCELLANEOUS

1. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.

COMMITMENTS

1. THERE ARE NO COMMITMENTS.

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET TYPE A
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602416-09	PRECAST MANHOLE TYPE A 8' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT TOP SLAB
602701-02	MANHOLE STEPS
604001-05	FRAMES AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
604056-04	FRAME AND GRATE TYPE 11V
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) 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
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT ONE DETAILS

DETAIL NO.	DESCRIPTION
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

MWRD GENERAL NOTES

A. REFERENCED SPECIFICATIONS

1. 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 (JANUARY 1, 2022), 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 SCHAUMBURG 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

1. THE MWRD LOCAL SEWER SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).

2. THE VILLAGE OF SCHAUMBURG ENGINEERING AND PUBLIC WORKS DEPARTMENTS 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.

3. 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

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABITILTY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPORVED 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.

5. 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.

6. 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.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. 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 SHAL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWERS

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.

2. 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.

3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANTIARY 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.

4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).

5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

7. 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	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3212
14-INCH TO 48-INCH	AWWA C905	ASTM D-3212

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

8. 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.

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

10. 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.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED;
    A) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    B) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACED WITH A WYE OR TEE BRANCH SECTION.
    C) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. 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 WATERMAINS 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 OPPOSIDE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSRUCTED TO WATERMAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. 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.

15. 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.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

17. 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.

18. 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

1. THE CONSTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. 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.

6. 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.

7. 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.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10 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.

11. DISTRUBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILITIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACITLITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE ROW OF SILT FENCE (OR EQUIVALENT).

13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

14. SOIL STOCKPILES, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

17. 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 SEWER OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

18. 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.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS 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 DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

21. 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.

22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

23. 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.

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	20101000	TEMPORARY FENCE	FOOT	2840	2840			
X	20101100	TREE TRUNK PROTECTION	EACH	20	20			
X	20101200	TREE ROOT PRUNING	EACH	71	71			
X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	48	48			
X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	23	23			
	20200100	EARTH EXCAVATION	CU YD	639	639			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	348	348			
	20800150	TRENCH BACKFILL	CU YD	1623	13			1610
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	209	209			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4731	4731			
X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	59	59			
X	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	59	59			
X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	59	59			
X	25200110	SODDING, SALT TOLERANT	SQ YD	4731	4731			
X	25200200	SUPPLEMENTAL WATERING	UNIT	256	256			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	98	98			
	28000400	PERIMETER EROSION BARRIER	FOOT	275	275			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES: 75% FEDERAL / 25% LOCAL: ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	100 % LOCAL: NON-PARTICIPATING 0043
	28000510	INLET FILTERS	EACH	48	48			
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	4731	4731			
	31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	603	603			
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	5368	5368			
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	28	28			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13719	13719			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	11251	11251			
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	192	192			
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2561	2561			
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1712	1712			
	42001300	PROTECTIVE COAT	SQ YD	5791	5791			
	42300100	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH	SQ YD	1442	1442			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	34692	34692			
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	20325	20325			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1651	1651			
	44000600	SIDEWALK REMOVAL	SQ FT	18269	18269			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	125	125			
	44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	509	509			
	44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	705	705			
	44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	1169	1169			
	44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	15	15			
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	51	51			
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	84	84			
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	1076	1076			
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	96	96			
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	8	8			
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	8	8			
	550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	8	8			
	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	16	16			
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	16	16			
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	58	58			
	55100500	STORM SEWER REMOVAL 12"	FOOT	182	182			
	55100700	STORM SEWER REMOVAL 15"	FOOT	66	66			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	55100900	STORM SEWER REMOVAL 18"	FOOT	42	42			
	55101100	STORM SEWER REMOVAL 21"	FOOT	8	8			
	55101600	STORM SEWER REMOVAL 36"	FOOT	16	16			
X	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	78				78
X	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	752				752
X	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1972				1972
X	56105000	WATER VALVES 8"	EACH	7				7
X	56105200	WATER VALVES 12"	EACH	10				10
X	56300300	ADJUSTING WATER SERVICE LINES	FOOT	200				200
X	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	11				11
X	56400810	FIRE HYDRANT EXTENSION	FOOT	14				14
X	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	14				14
X	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	24				24
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	100	100			
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2			
	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	3	3			
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	2	2			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	1	1			
X	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7				7
X	60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10				10
	60404800	FRAMES AND GRATES, TYPE 11	EACH	10	10			
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2			
	60500040	REMOVING MANHOLES	EACH	2	2			
	60500050	REMOVING CATCH BASINS	EACH	4	4			
	60500060	REMOVING INLETS	EACH	4	4			
X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	101	101			
X	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1			
X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
X	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
X	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30			
	67100100	MOBILIZATION	L SUM	1	1			
X	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	420	420			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
X	70300100	SHORT TERM PAVEMENT MARKING	FOOT	13840	13840			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4567	4567			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	264	264			
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	31195	31195			
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2529	2529			
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	7491	7491			
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	557	557			
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	164	164			
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	23	23			
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	10	10			
X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	88	88			
X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9769	9769			
X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	831	831			
X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2401	2401			
X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	162	162			
X	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	24	24			
X	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	55	55			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
X	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	96	96			
X	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	24	24			
X	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	20655	20655			
X	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	103	103			
X	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1		
X	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10		10		
X	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	50		50		
X	81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	2007		2007		
X	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	4014		4014		
X	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	9		9		
X	84200804	REMOVAL OF POLE FOUNDATION	EACH	9		9		
X	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	9		9		
X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4		
X	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2		2		
X	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1		1		
X	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1		1		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
					ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
X	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1		1		
X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3911		3911		
X	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	105		105		
X	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1		
X	A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1			
X	A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1			
X	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1			
X	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	6	6			
X	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	17	17			
X	X1200246	WATERMAIN CASING PIPE	FOOT	186				186
X	X2010400	STUMP REMOVAL ONLY	UNIT	170	170			
	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	300	300			
	X2503112	MOWING (SPECIAL)	SQ YD	40651				40651
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	49	49			
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	8	8			
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	544	544			
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	370	370			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	X4421818	CLASS D PATCHES, TYPE IV, 7 INCH (SPECIAL)	SQ YD	1132	1132			
X	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	1000				1000
X	X5610656	WATER MAIN TO BE ABANDONED, 6"	FOOT	337				337
X	X5610658	WATER MAIN TO BE ABANDONED, 8"	FOOT	65				65
X	X5610660	WATER MAIN TO BE ABANDONED, 10"	FOOT	1946				1946
X	X5610706	WATER MAIN REMOVAL, 6"	FOOT	84				84
X	X5610712	WATER MAIN REMOVAL, 12"	FOOT	44				44
X	X5610748	WATER MAIN LINE STOP 8"	EACH	2				2
X	X5610752	WATER MAIN LINE STOP 12"	EACH	2				2
X	X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	22				22
X	X5620118	WATER SERVICE CONNECTION (LONG)	EACH	16				16
X	X5630213	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	19				19
X	X5630405	REMOVE EXISTING WATER VALVE	EACH	11				11
X	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	10				10
X	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	16				16
X	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1			
X	X6026622	VALVE VAULTS TO BE REMOVED	EACH	16				16

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6	6			
X	X6050403	FILLING EXISTING VAULT	EACH	1				1
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	9	9			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	44	44			
X	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	73	73			
X	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	761	761			
X	X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	7		7		
X	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3			
X	XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1				1
	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1			
X	XX007363	COMPOST FURNISH AND PLACE, SPECIAL	CU YD	15	15			
	XX009049	REMOVE AND REPLACE CURB AND GUTTER (SPECIAL)	FOOT	2141	2141			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	13	13			
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	70	70			
	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	34	34			

					CONSTRUCTION CODES			
					75% FEDERAL / 25% LOCAL			100 % LOCAL
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY RESURFACE 0005	SAFETY 0021	TRAINEES 0042	NON-PARTICIPATING 0043
	Z0076600	TRAINEES	HOUR	500			500	
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500	

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

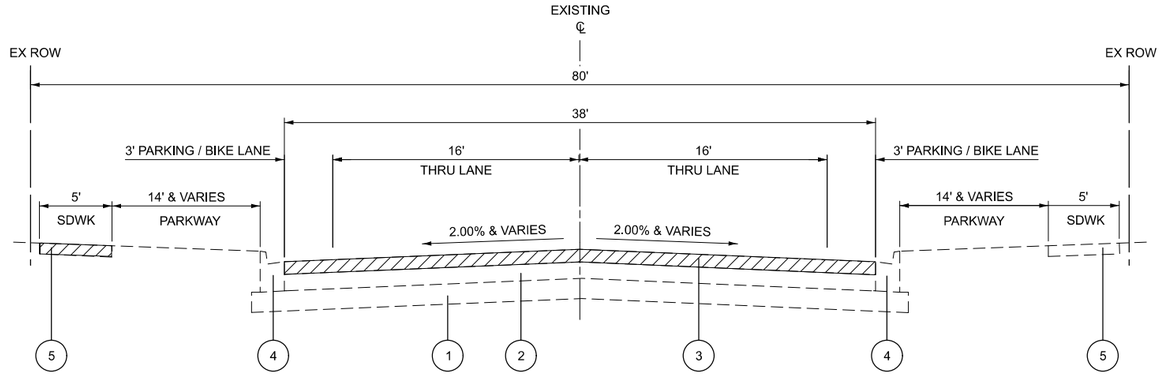
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
SUMMARY OF QUANTITIES

SCALE: | SHEET 11 OF 11 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	15

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



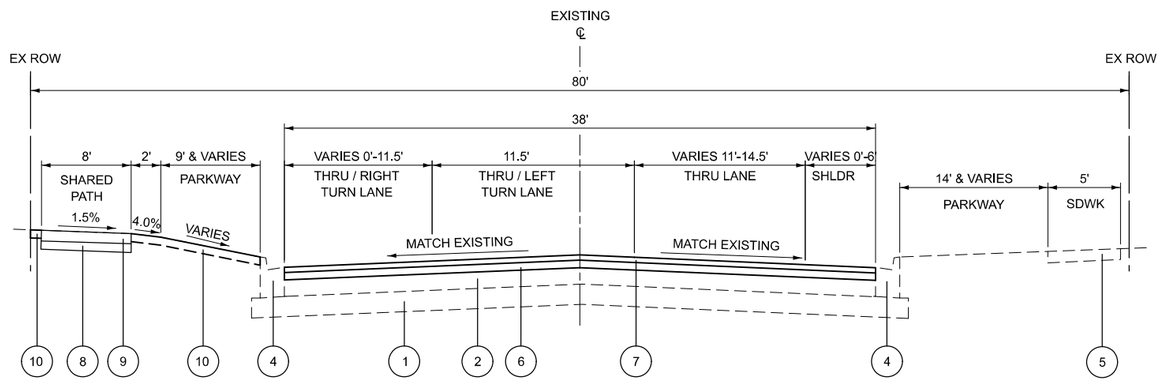
EXISTING TYPICAL SECTION - BRAINTREE DRIVE

STA. 328+76.14 TO STA. 371+95.00

LEGEND

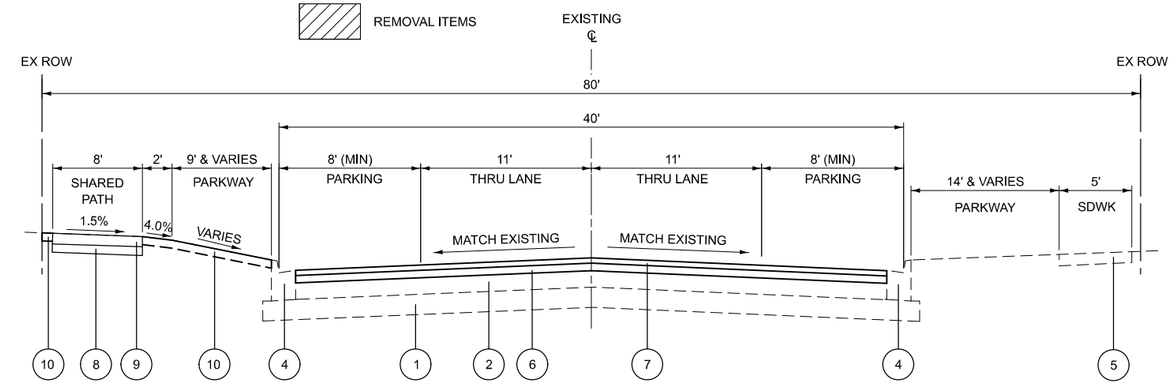
1. EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 2"-8"
2. EXISTING HOT-MIX ASPHALT, VARIES 9"-13"
3. HOT-MIX ASPHALT SURFACE REMOVAL, 3¾"
4. EXISTING CURB AND GUTTER
5. EXISTING P.C.C. SIDEWALK
6. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
7. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
8. AGGREGATE BASE COURSE, TYPE B 4"
9. PORTLAND CEMENT CONCRETE SIDEWALK, 5"
(ALL JOINTS ON THE SHARED-USE PATH SHALL BE SAWED. TOOLED JOINTS WILL NOT BE ALLOWED.)
10. TOPSOIL FURNISH AND PLACE, 4"
SODDING, SALT TOLERANT

REMOVAL ITEMS



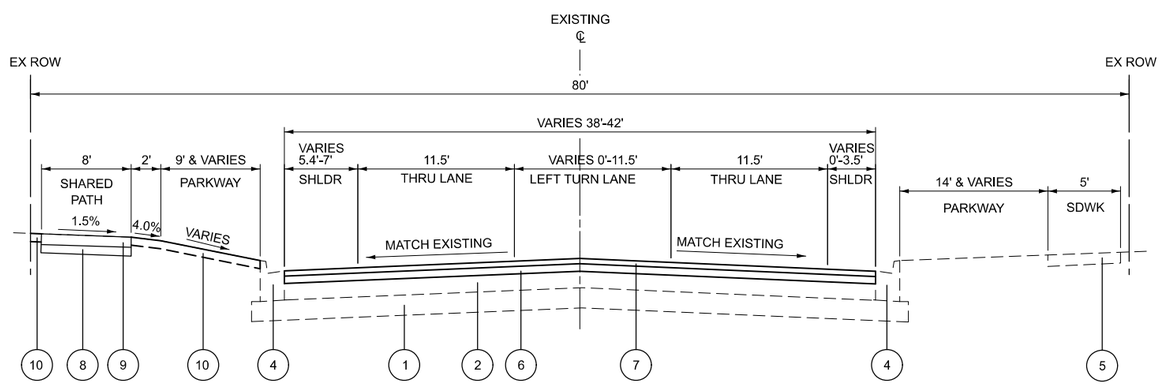
PROPOSED TYPICAL SECTION - BRAINTREE DRIVE

STA. 328+76.14 TO STA. 330+51.60



PROPOSED TYPICAL SECTION - BRAINTREE DRIVE

STA. 330+51.60 TO STA. 370+19.00



PROPOSED TYPICAL SECTION - BRAINTREE DRIVE

STA. 370+19.00 TO STA. 371+95.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	4% @ 50 GYR.	LR 1030-2
PROPOSED DRIVEWAY		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)	4% @ 50 GYR.	LR 1030-2
CLASS D PATCH, 7" (ROADWAY)		
CLASS D PATCH, 7" (HMA BINDER IL-19 mm)	4% @ 70 GYR.	LR 1030-2
CLASS D PATCH, 11" (WATERMAIN AND STORM SEWER)		
CLASS D PATCH, 11" (HMA BINDER IL-19 mm)	4% @ 70 GYR.	LR 1030-2
CLASS D PATCH, 7" (SPECIAL)		
CLASS D PATCH, 7" (HMA BINDER IL-19 mm)	4% @ 70 GYR.	LR 1030-2
TEMPORARY RAMP (SPECIAL)		
TEMPORARY RAMP (SPECIAL) (HMA SURFACE COURSE, IL-9.5, MIX "D", N50)	4% @ 50 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY-IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. APPLY THE LONGITUDINAL JOINT SEALANT ON THE HMA BINDER COURSE, IL-19.0, N50.
4. THE CONTRACTOR SHALL MILL THE PAVEMENT BEFORE 7" PATCHING.

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USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 11/17/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	16

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

SCHEDULE OF EARTHWORK					
STATION	DISTANCE	CUT	EMBANKMENT REQUIRED	CUT	EMBANKMENT REQUIRED
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)
328+59		0.0	0.0		
	17			2.1	0.4
328+76		6.7	1.4		
	24			5.5	0.6
329+00		5.8	0.0		
	50			8.6	0.1
329+50		3.5	0.1		
	50			3.2	0.1
330+00		0.0	0.0		
	50			2.9	0.1
330+50		3.2	0.1		
	50			5.3	1.0
331+00		2.5	1.0		
	50			4.8	1.9
331+50		2.7	1.1		
	50			7.0	1.0
332+00		4.9	0.0		
	50			7.3	0.0
332+50		3.0	0.0		
	50			5.4	1.0
333+00		2.8	1.0		
	50			6.4	0.9
333+50		4.1	0.0		
	50			7.3	0.0
334+00		3.8	0.0		
	50			5.4	2.3
334+50		2.0	2.4		
	50			9.2	3.2
335+00		7.8	1.1		
	50			12.5	1.0
335+50		5.7	0.0		
	50			8.0	0.2
336+00		2.9	0.2		
	50			5.3	0.2
336+50		2.8	0.0		
	50			4.6	1.3
337+00		2.2	1.4		
	50			4.8	1.4
337+50		3.0	0.1		
	50			5.4	0.1
338+00		2.8	0.1		
	50			6.0	1.4

SCHEDULE OF EARTHWORK					
STATION	DISTANCE	CUT	EMBANKMENT REQUIRED	CUT	EMBANKMENT REQUIRED
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)
338+50		3.6	1.4		
	50			6.0	2.3
339+00		2.8	1.0		
	50			5.0	2.2
339+50		2.6	1.4		
	50			4.7	2.6
340+00		2.4	1.4		
	50			4.6	3.0
340+50		2.5	1.8		
	50			6.0	2.2
341+00		4.0	0.5		
	50			5.7	1.5
341+50		2.2	1.1		
	50			2.9	4.0
342+00		1.0	3.3		
	50			3.1	4.4
342+50		2.3	1.5		
	50			3.3	5.2
343+00		1.2	4.1		
	50			11.7	4.4
343+50		11.4	0.7		
	50			17.1	5.0
344+00		7.1	4.7		
	50			9.2	5.3
344+50		2.9	1.0		
	50			6.4	1.8
345+00		4.1	0.9		
	50			7.7	0.9
345+50		4.2	0.0		
	50			6.8	0.3
346+00		3.1	0.4		
	50			5.5	1.3
346+50		2.8	1.1		
	50			6.5	1.0
347+00		4.2	0.0		
	50			9.8	0.0
347+50		6.3	0.0		
	50			8.5	0.3
348+00		2.9	0.3		
	50			5.0	1.3
348+50		2.4	1.1		
	50			7.3	1.0

SCHEDULE OF EARTHWORK					
STATION	DISTANCE	CUT	EMBANKMENT REQUIRED	CUT	EMBANKMENT REQUIRED
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)
349+00		5.4	0.0		
	50			7.5	0.7
349+50		2.8	0.7		
	50			8.6	0.7
350+00		6.5	0.0		
	50			30.2	0.0
350+50		26.1	0.0		
	50			32.1	0.0
351+00		8.6	0.0		
	50			10.7	0.0
351+50		3.0	0.0		
	50			5.4	0.1
352+00		2.9	0.1		
	50			4.7	1.1
352+50		2.2	1.1		
	50			3.7	1.0
353+00		1.8	0.0		
	50			4.9	0.0
353+50		3.5	0.0		
	50			9.0	0.0
354+00		6.2	0.0		
	50			8.3	0.0
354+50		2.8	0.0		
	50			5.1	0.0
355+00		2.7	0.0		
	50			5.3	0.0
355+50		3.0	0.0		
	50			5.1	0.5
356+00		2.6	0.5		
	50			2.4	0.5
356+50		0.0	0.0		
	50			3.6	0.0
357+00		3.9	0.0		
	50			6.5	0.0
357+50		3.1	0.0		
	50			7.9	0.1
358+00		5.4	0.1		
	50			9.7	0.8
358+50		5.0	0.8		
	50			9.1	3.4
359+00		4.8	2.8		
	50			7.0	2.6

SCHEDULE OF EARTHWORK					
STATION	DISTANCE	CUT	EMBANKMENT REQUIRED	CUT	EMBANKMENT REQUIRED
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)
359+50		2.8	0.0		
	50			5.6	0.0
360+00		3.3	0.0		
	50			8.2	0.0
360+50		5.6	0.0		
	50			7.5	3.7
361+00		2.6	4.0		
	50			5.0	3.9
361+50		2.8	0.2		
	50			7.0	0.2
362+00		4.7	0.0		
	50			10.2	0.0
362+50		6.3	0.0		
	50			8.7	0.1
363+00		3.0	0.1		
	50			5.4	0.2
363+50		2.8	0.2		
	50			7.7	0.2
364+00		5.5	0.0		
	50			8.2	0.0
364+50		3.4	0.0		
	50			8.2	0.0
365+00		5.5	0.0		
	50			8.4	0.0
365+50		3.6	0.0		
	50			7.7	0.3
366+00		4.8	0.3		
	50			6.8	0.9
366+50		2.6	0.6		
	50			5.5	0.6
367+00		3.4	0.0		
	50			5.5	1.2
367+50		2.6	1.3		
	50			5.4	1.2
368+00		3.2	0.1		
	50			8.6	0.1
368+50		6.1	0.0		
	50			6.6	0.1
369+00		1.0	0.1		
	50			3.1	0.5
369+50		2.3	0.4		
	50			7.1	2.0

SCHEDULE OF EARTHWORK					
STATION	DISTANCE	CUT	EMBANKMENT REQUIRED	CUT	EMBANKMENT REQUIRED
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)
370+00		5.4	1.8		
	50			6.9	1.8
370+50		2.1	0.1		
	50			10.5	0.1
371+00		9.2	0.0		
	50			13.1	0.0
371+50		5.0	0.0		
	45			8.1	0.0
371+95		4.8	0.0		
				0.0	0.0
			BRAINTREE ROAD - TOTAL (CU. YD.)	639.2	96.4

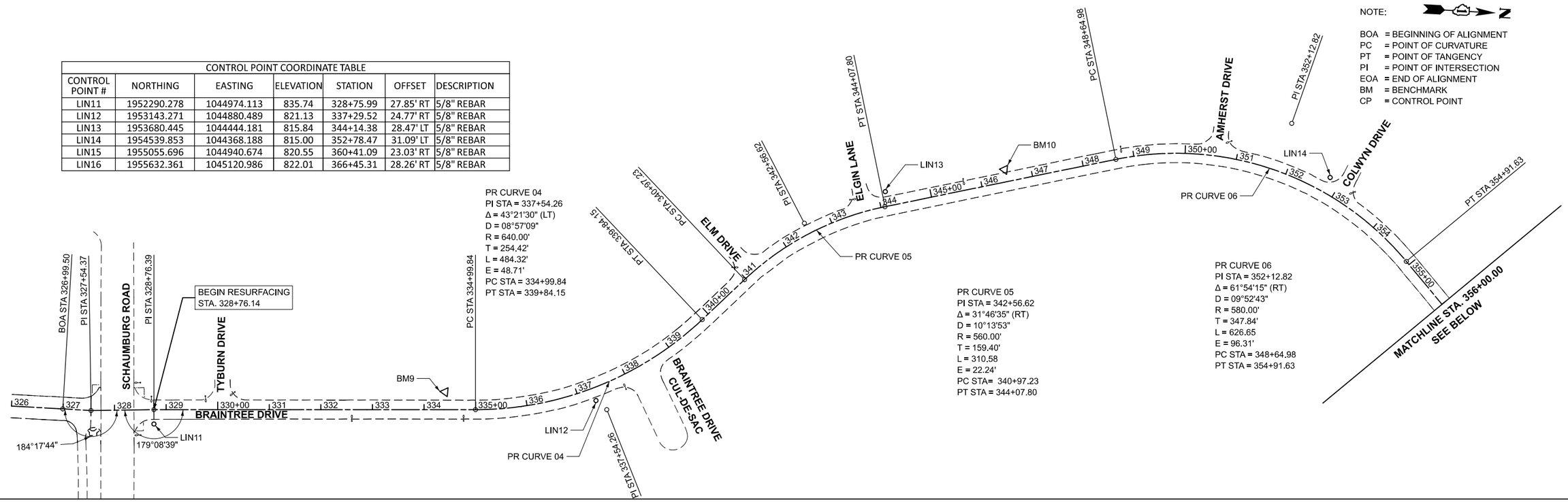
	EARTHWORK SUMMARY		
LINE		SY	CY
1	TOPSOIL STRIPPING (PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)	**1252**	139
2	ADDITIONAL UNDERCUTS (ESTIMATED AT 25% OF 7" PATCHING AREA AT 12" DEPTH)	**627**	209
3	**TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL**		**348**
4	EXCAVATION (ROADWAY)		639
5	**TOTAL EARTH EXCAVATION**		**639**
6	EARTH EXCAVATION AVAILABLE FOR EMBANKMENT ((1 - SHRINKAGE FACTOR) TIMES (LINE 45))		543
7	EMBANKMENT REQUIRED		96
8	**FURNISHED EXCAVATION (LINE 7 MINUS LINE 6)**		**-447**

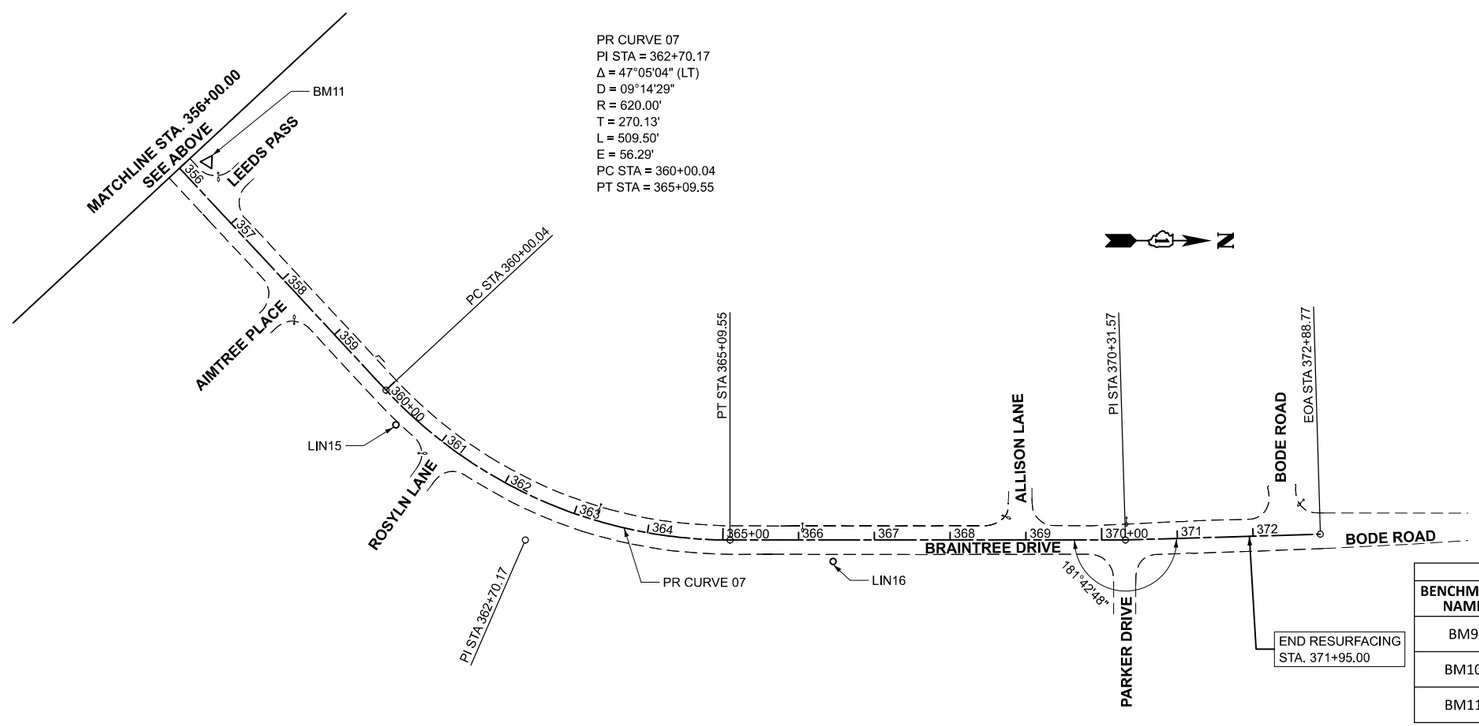
THE SHRINKAGE FACTOR SHALL BE 15%.

CONTROL POINT COORDINATE TABLE						
CONTROL POINT #	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
LIN11	1952290.278	1044974.113	835.74	328+75.99	27.85' RT	5/8" REBAR
LIN12	1953143.271	1044880.489	821.13	337+29.52	24.77' RT	5/8" REBAR
LIN13	1953680.445	1044444.181	815.84	344+14.38	28.47' LT	5/8" REBAR
LIN14	1954539.853	1044368.188	815.00	352+78.47	31.09' LT	5/8" REBAR
LIN15	1955055.696	1044940.674	820.55	360+41.09	23.03' RT	5/8" REBAR
LIN16	1955632.361	1045120.986	822.01	366+45.31	28.26' RT	5/8" REBAR

NOTE:

BOA = BEGINNING OF ALIGNMENT
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY
PI = POINT OF INTERSECTION
EOA = END OF ALIGNMENT
BM = BENCHMARK
CP = CONTROL POINT





BRAINTREE DRIVE RESURFACING PROPOSED ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
BOA	326+99.50	1952112.110	1044954.789
PI	327+54.37	1952166.983	1044954.992
PI	328+76.39	1952288.692	1044946.302
PC	334+99.84	1952911.148	1044911.195
PI	337+54.26	1953165.162	1044896.868
PT	339+84.16	1953340.012	1044712.056
PC	340+97.23	1953417.721	1044629.920
PI	342+56.62	1953527.267	1044514.133
PT	344+07.80	1953681.367	1044473.389
PC	348+64.98	1954123.358	1044356.528
PI	352+12.82	1954459.643	1044267.614
PT	354+91.63	1954696.450	1044522.398
PC	360+00.04	1955042.572	1044894.795
PI	362+70.17	1955226.474	1045092.656
PT	365+09.55	1955496.601	1045092.702
PI	370+31.57	1956018.622	1045092.791
EOA	372+88.77	1956275.709	1045085.144

BENCHMARKS						
BENCHMARK NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
BM9	1952848.489	1044886.552	832.74	334+38.67	28.13' LT	WEST BOLT OF F.H. IN FRONT OF 100 BRAINTREE
BM10	1953905.124	1044382.914	818.24	346+47.25	30.27' LT	FOUND CUT "X" ON WEST BOLT OF F.H. IN FRONT OF 222 BRAINTREE
BM11	1954801.800	1044594.345	818.54	356+16.05	28.19' LT	WEST BOLT OF F.H. AT SW CORNER OF BRAINTREE AND LEEDS

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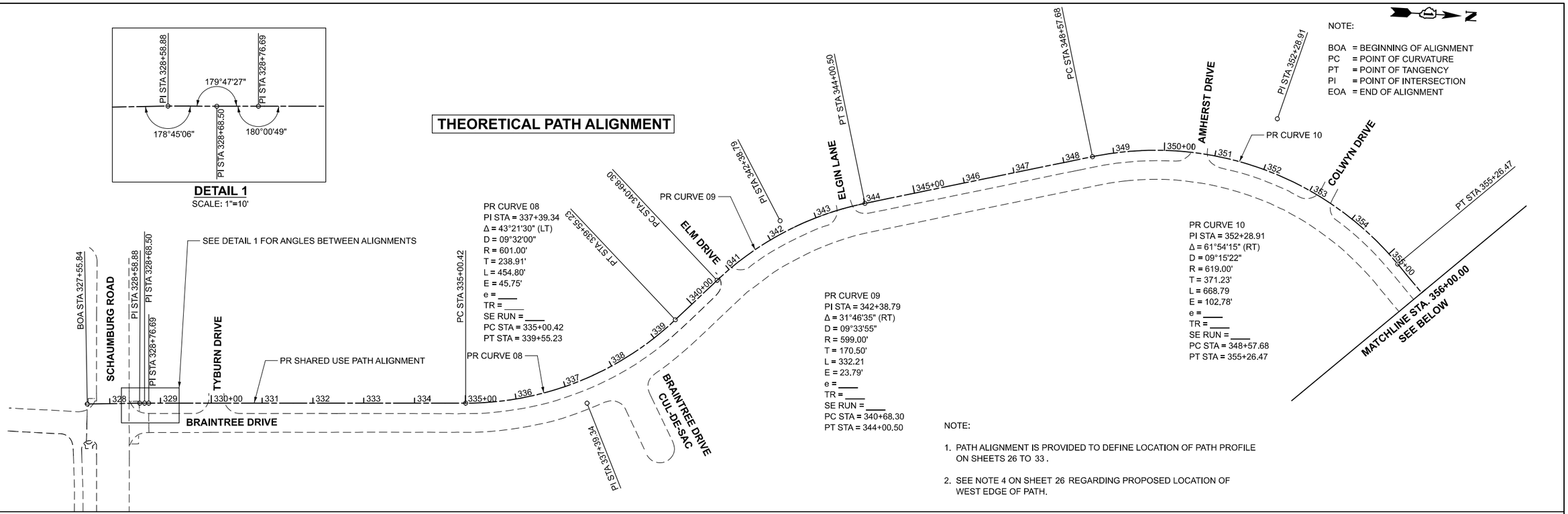
USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/5/2025	DATE - 11/11/2025	REVISED -	

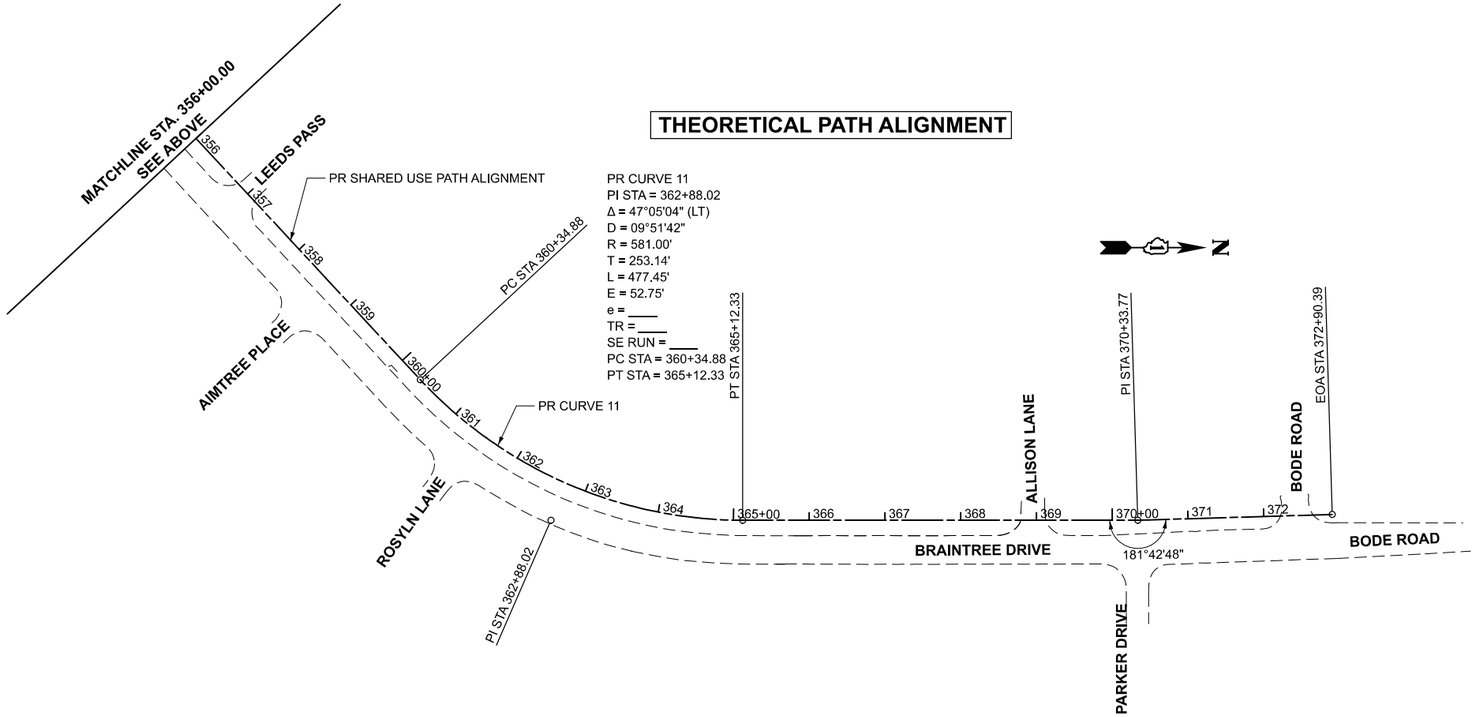
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' | SHEET 1 OF 2 SHEETS | STA. 326+99.50 TO STA. 372+88.77

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	20
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		





BRAINTREE DRIVE WEST SIDE PATH PROPOSED ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
BOA	327+55.84	1952165.664	1044915.987
PI	328+58.88	1952268.426	1044908.344
PI	328+68.50	1952278.030	1044907.840
PI	328+76.69	1952286.205	1044907.380
PC	335+00.42	1952908.952	1044872.256
PI	337+39.34	1953147.487	1044858.803
PT	339+55.23	1953311.682	1044685.253
PC	340+68.30	1953389.691	1044603.117
PI	342+38.79	1953506.566	1044479.267
PT	344+00.50	1953671.398	1044435.685
PC	348+57.68	1954113.389	1044318.823
PI	352+28.91	1954472.286	1044223.931
PT	355+26.47	1954725.017	1044495.847
PC	360+34.88	1955071.139	1044868.244
PI	362+88.02	1955243.472	1045053.659
PT	365+12.33	1955496.608	1045053.702
PI	370+33.77	1956018.046	1045053.790
EOA	372+90.39	1956274.549	1045046.161

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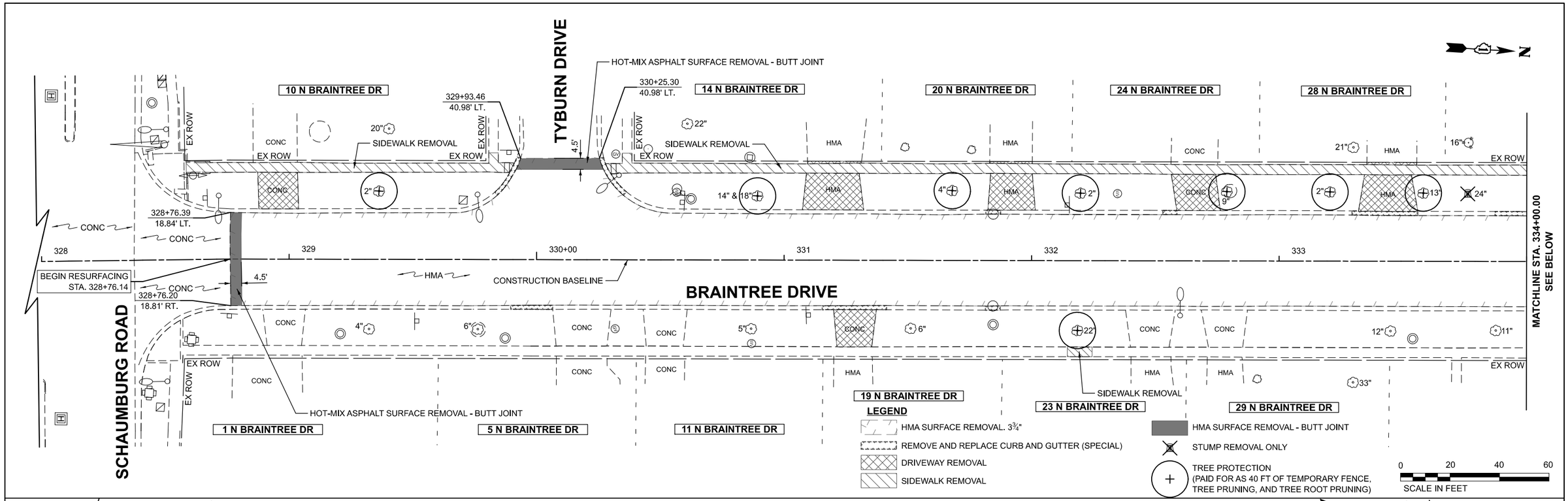
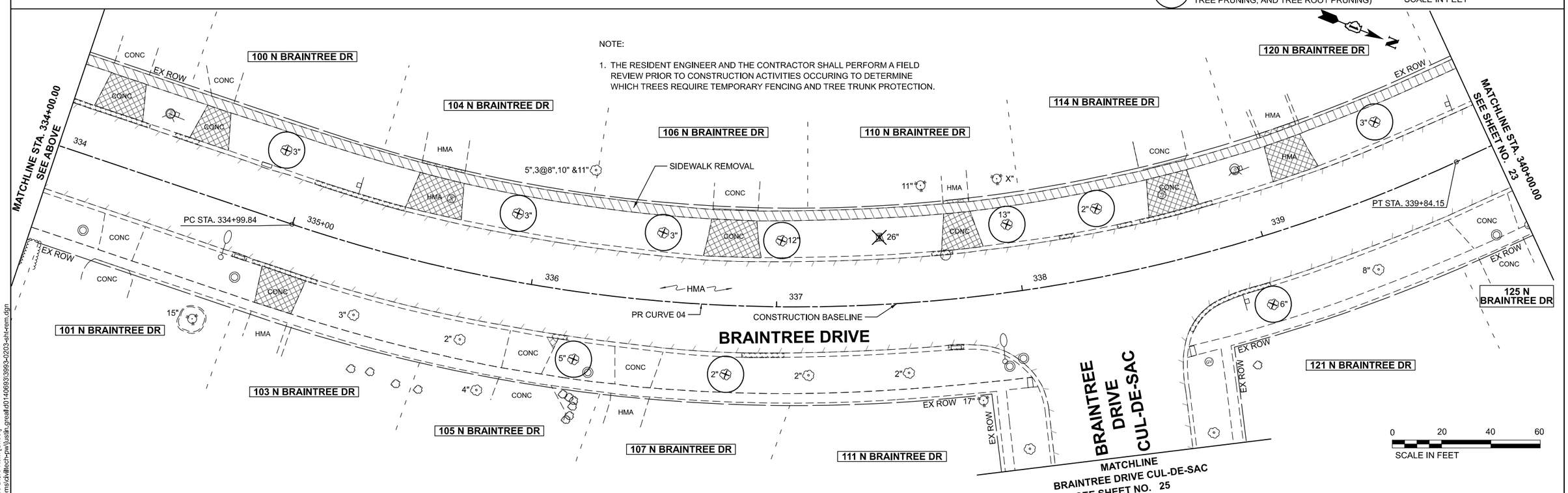
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' | SHEET 2 OF 2 SHEETS | STA. 327+55.84 TO STA. 372+90.39

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	21
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	





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PLOT DATE = 12/5/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
REMOVAL PLAN

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 328+76.14 TO STA. 340+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	22
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	

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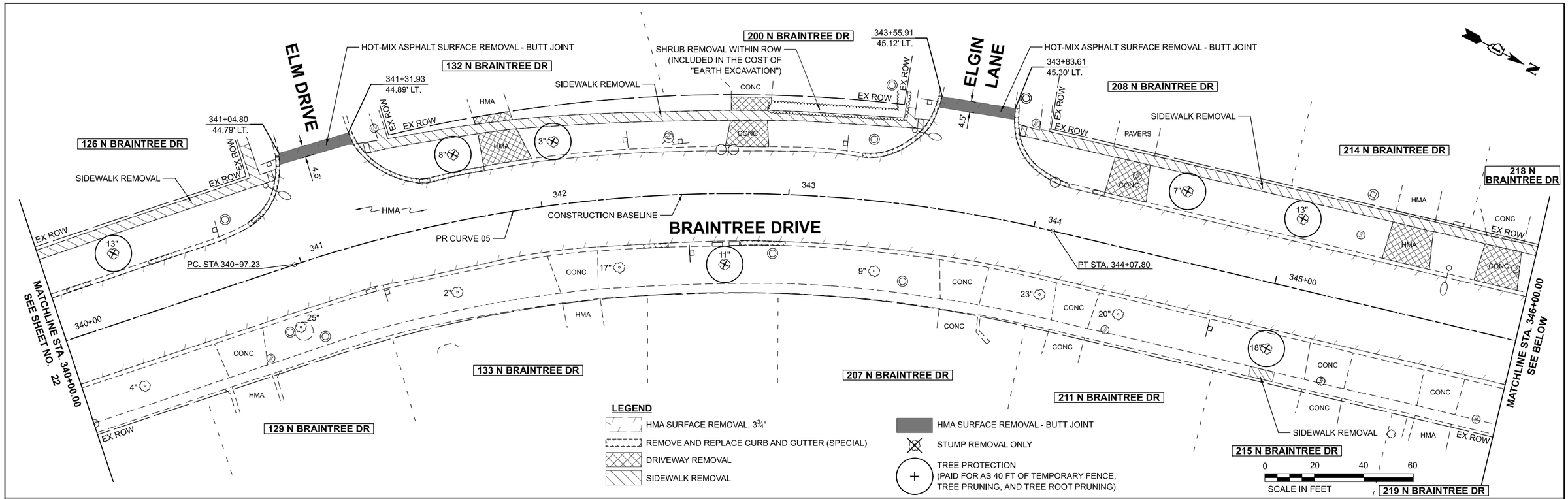

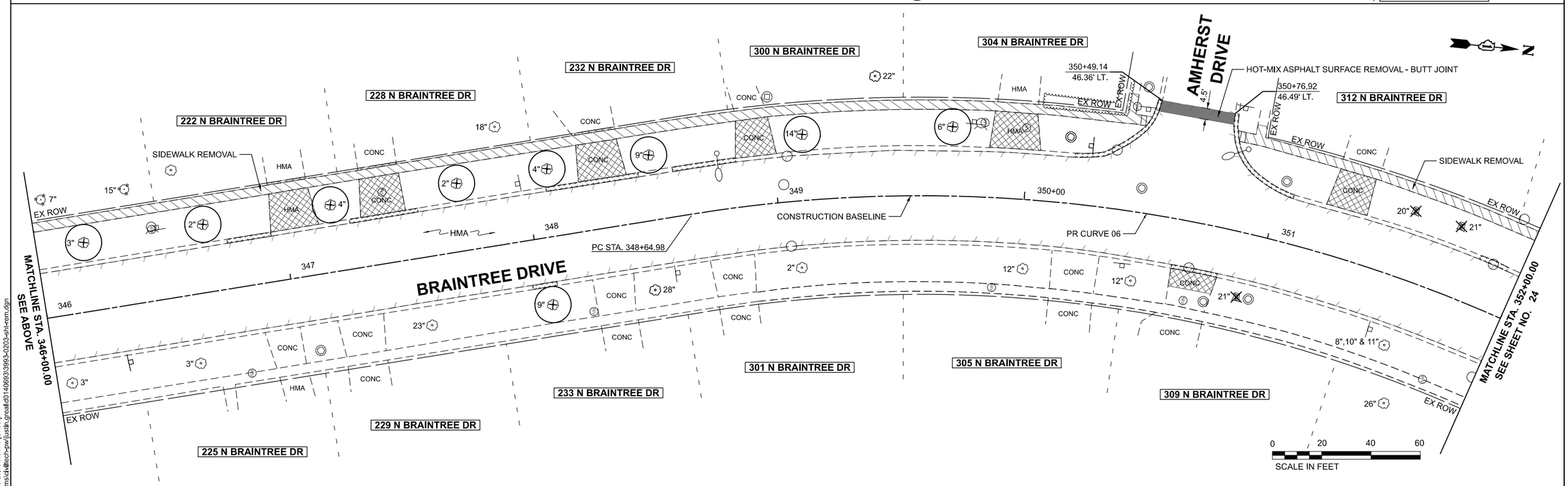

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

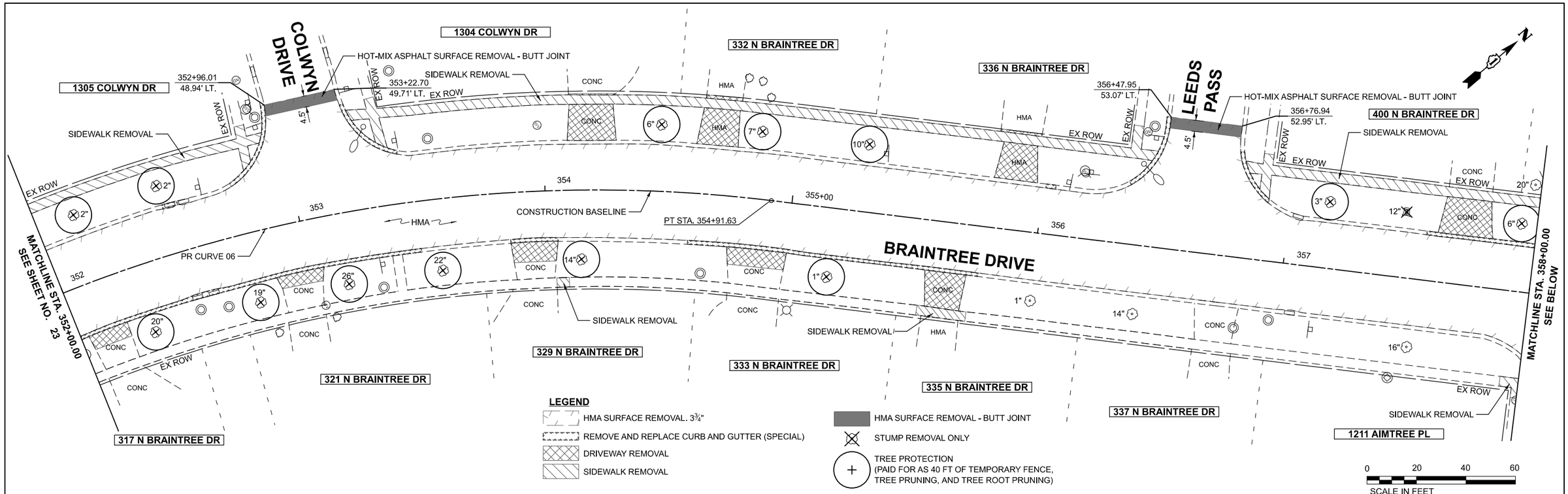
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
REMOVAL PLAN

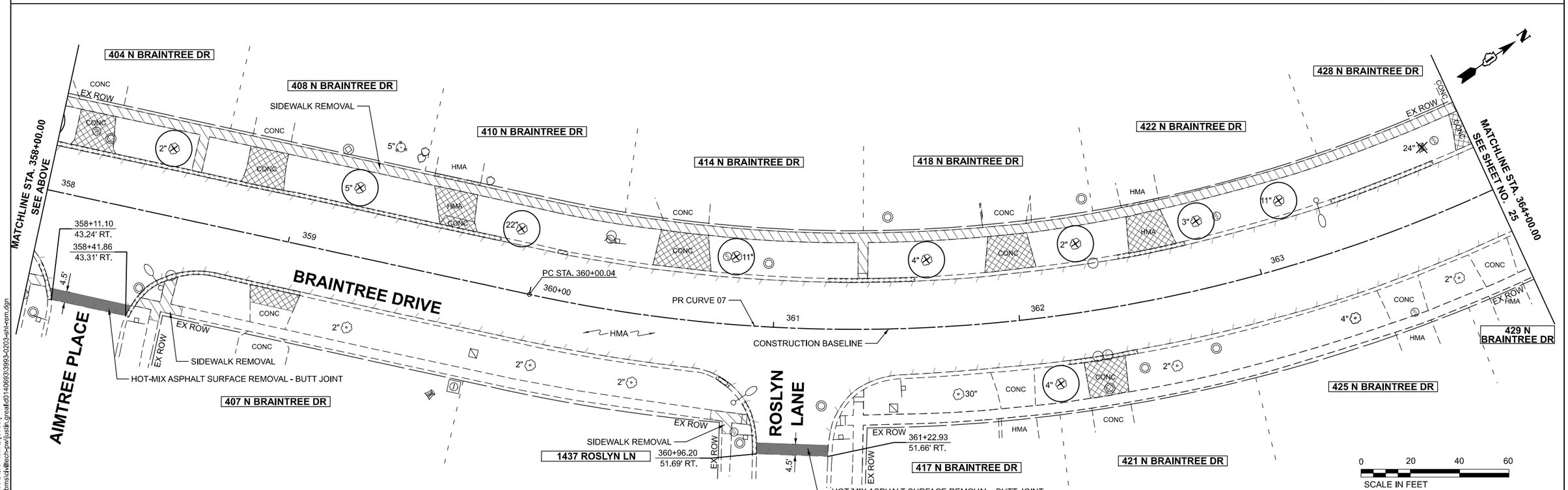
SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. 340+00.00 TO STA. 352+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	23

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





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	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

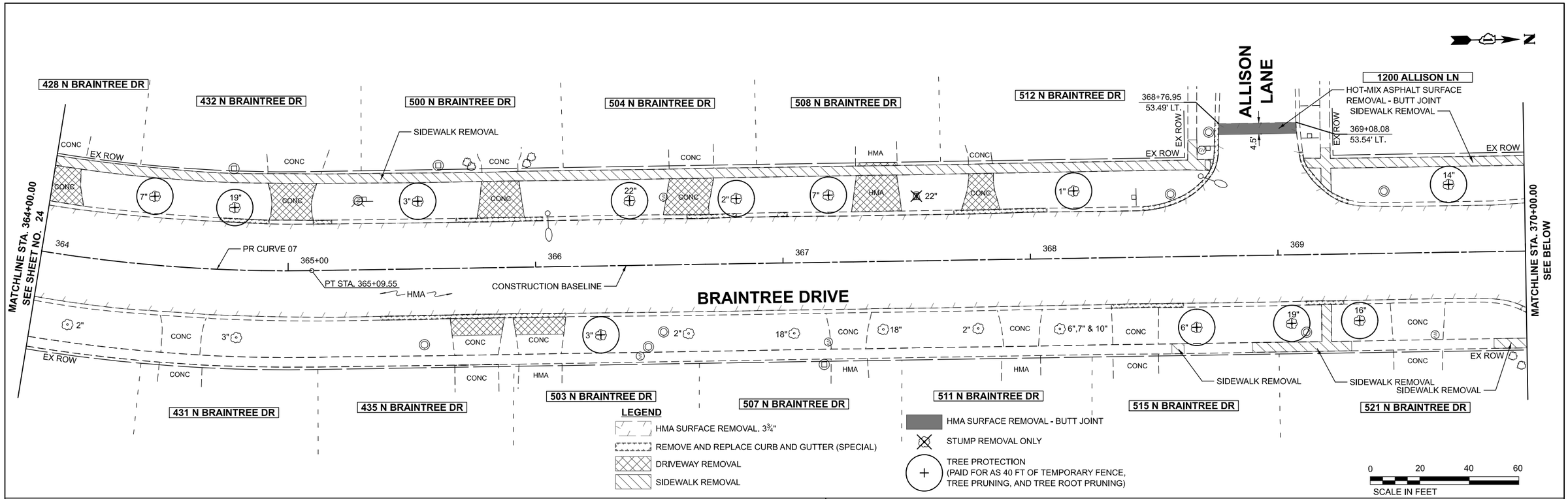
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
REMOVAL PLAN

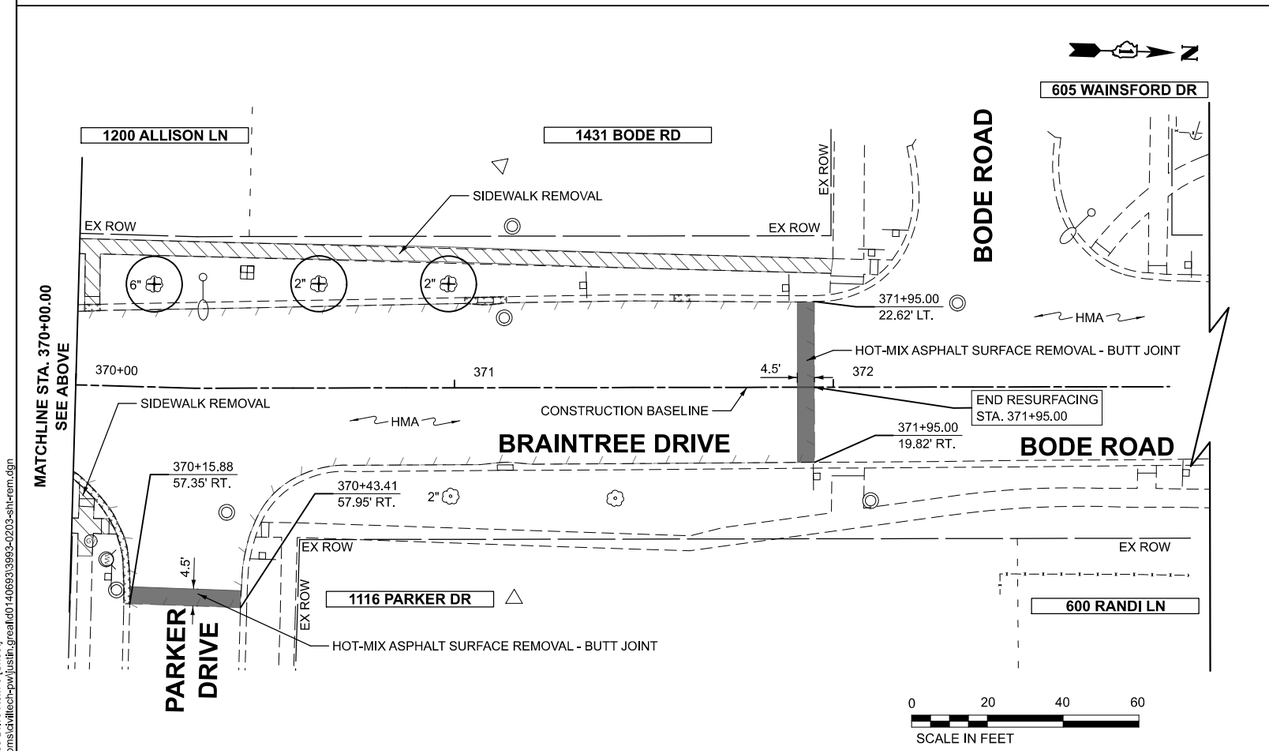
SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 352+00.00 TO STA. 364+00.00

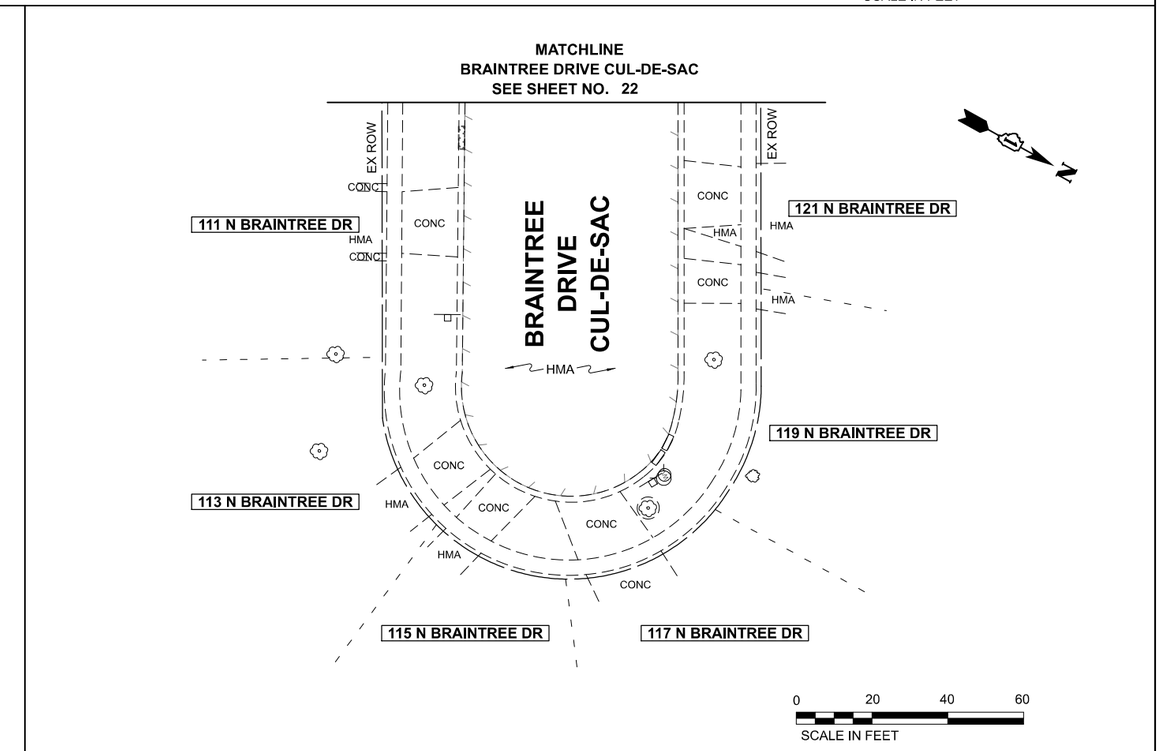
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	24

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT







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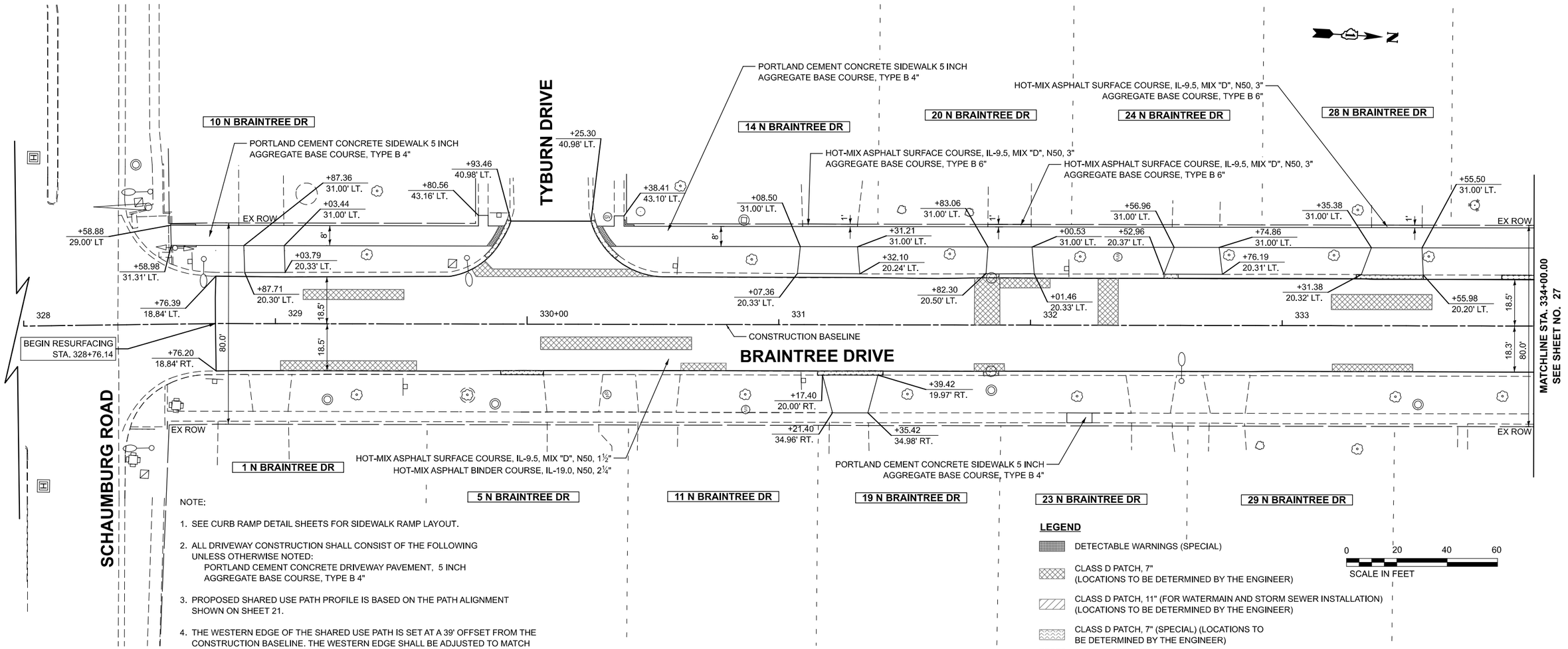
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
REMOVAL PLAN

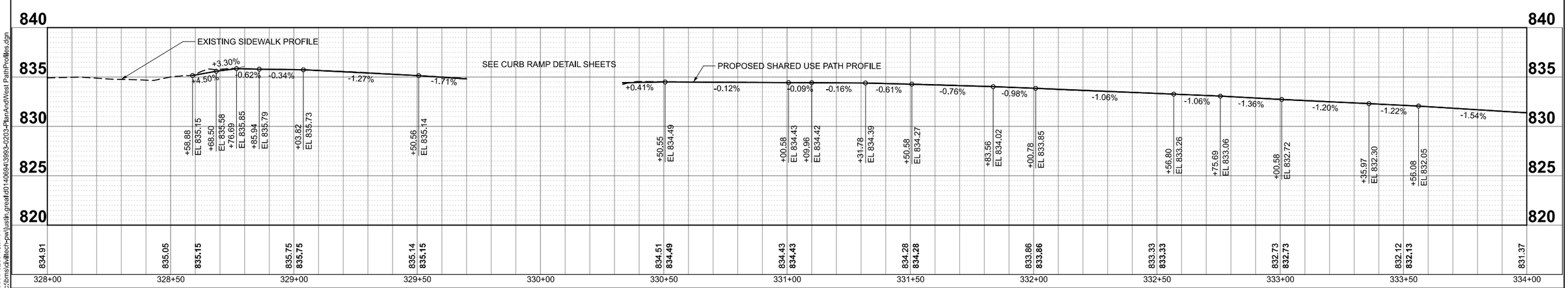
SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 364+00.00 TO STA. 371+95.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	25
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. SEE CURB RAMP DETAIL SHEETS FOR SIDEWALK RAMP LAYOUT.
2. ALL DRIVEWAY CONSTRUCTION SHALL CONSIST OF THE FOLLOWING UNLESS OTHERWISE NOTED:
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
3. PROPOSED SHARED USE PATH PROFILE IS BASED ON THE PATH ALIGNMENT SHOWN ON SHEET 21.
4. THE WESTERN EDGE OF THE SHARED USE PATH IS SET AT A 39' OFFSET FROM THE CONSTRUCTION BASELINE. THE WESTERN EDGE SHALL BE ADJUSTED TO MATCH EXISTING DRIVEWAY JOINTS WHEN NOT REPLACING ANY DRIVEWAY PAVEMENT ON THE RIGHT-OF-WAY SIDE.



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

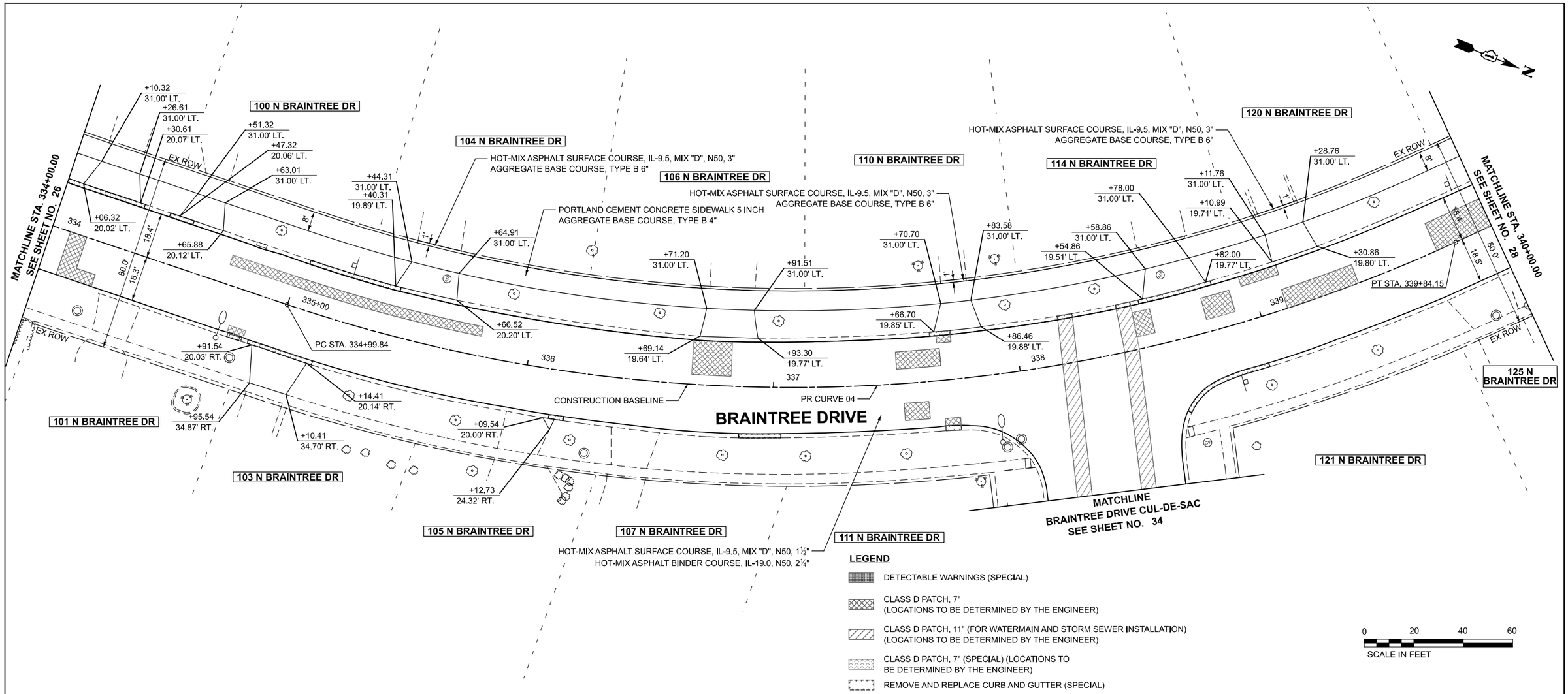
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

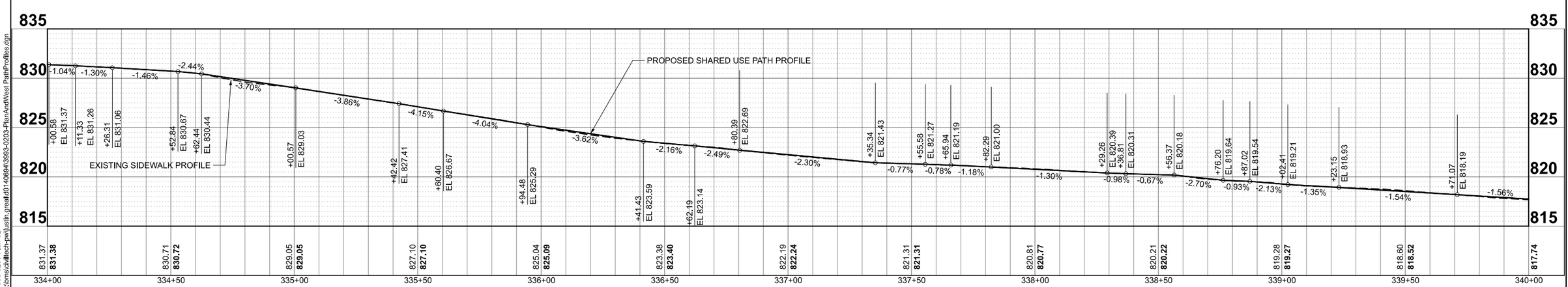
SCALE:1"=20'H/5'V | SHEET 1 OF 9 SHEETS | STA. 328+76.14 TO STA. 334+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	26

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

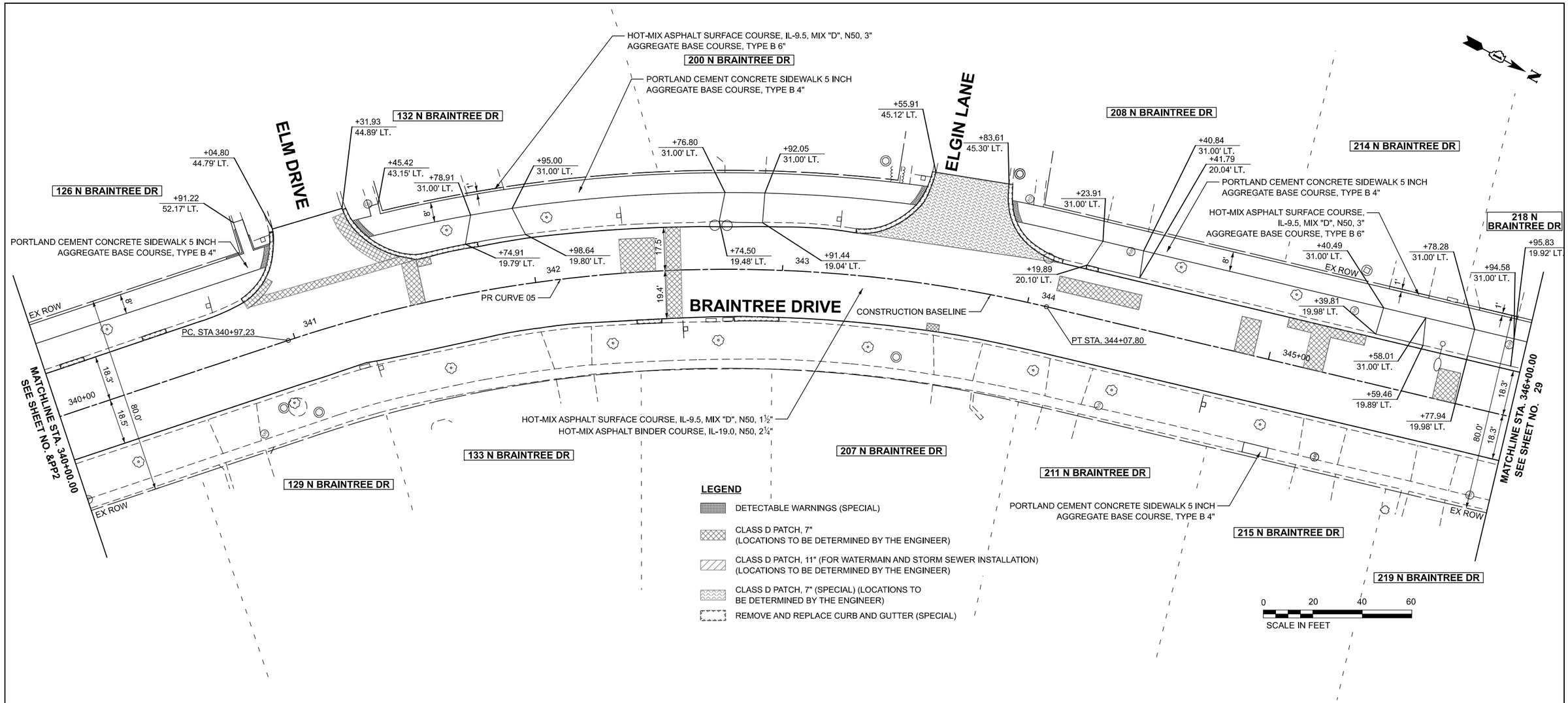
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

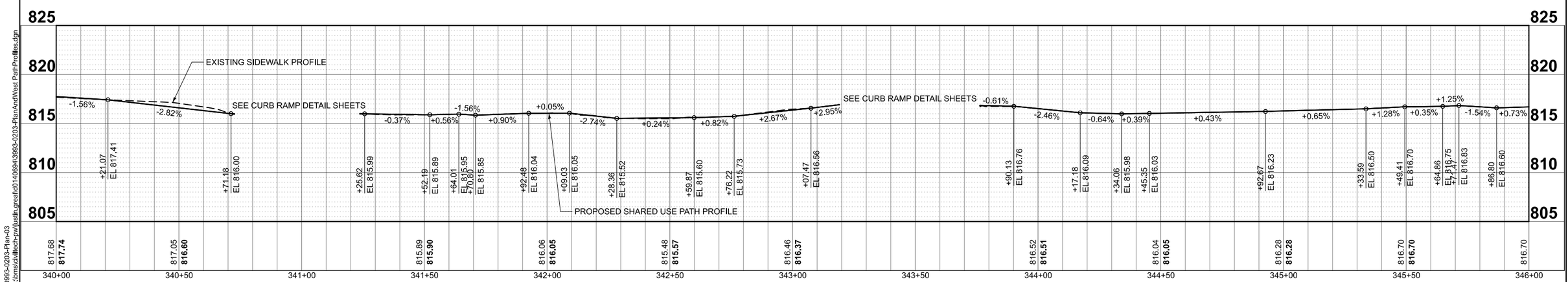
SCALE:1"=20'H/5'V | SHEET 2 OF 9 SHEETS | STA. 334+00.00 TO STA. 340+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	27

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





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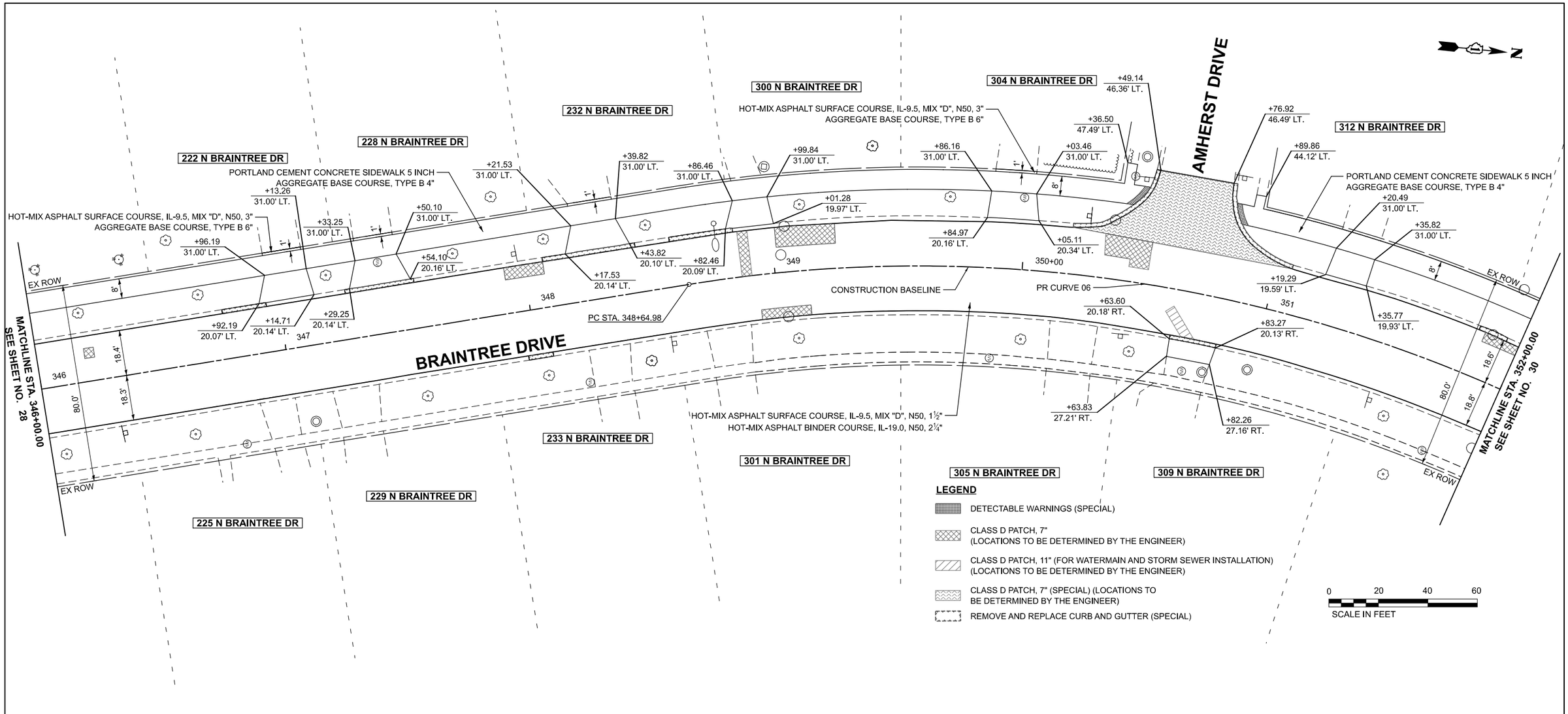
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

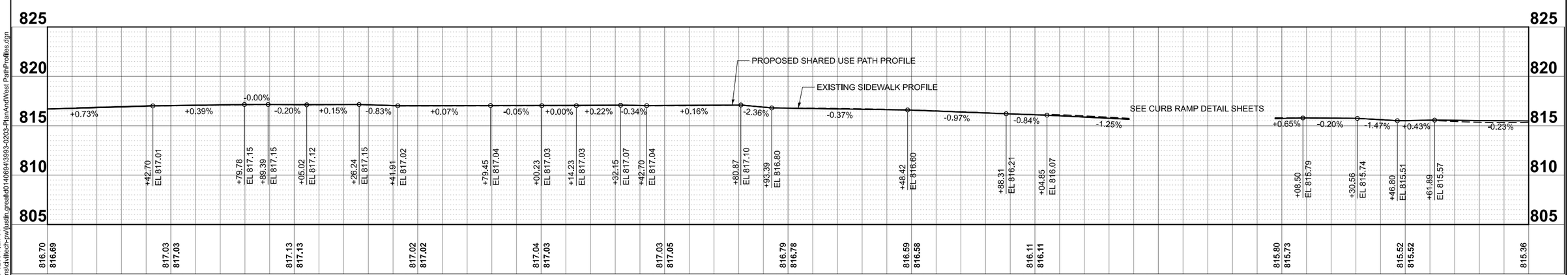
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

SCALE: 1"=20'H/5'V | SHEET 3 OF 9 SHEETS | STA. 340+00.00 TO STA. 346+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	28
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

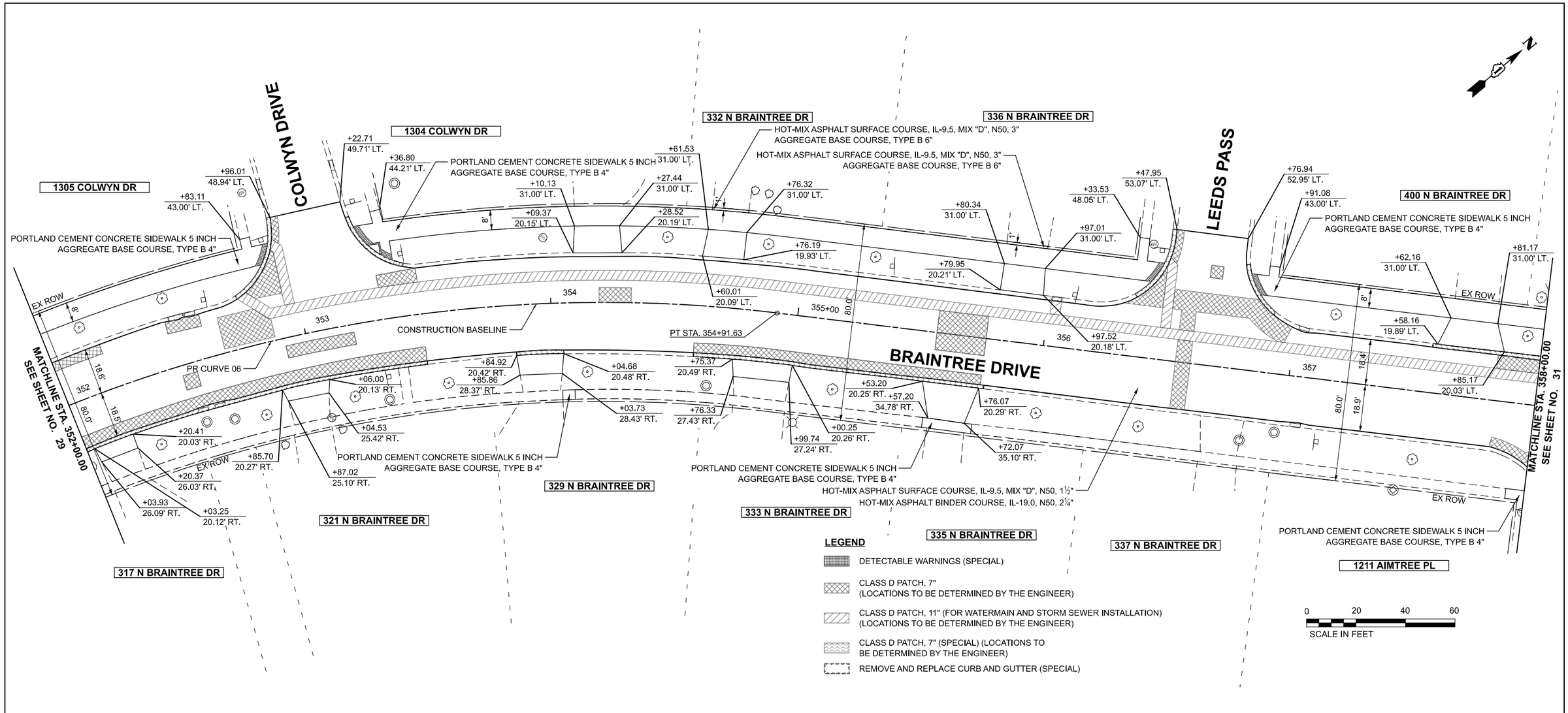
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

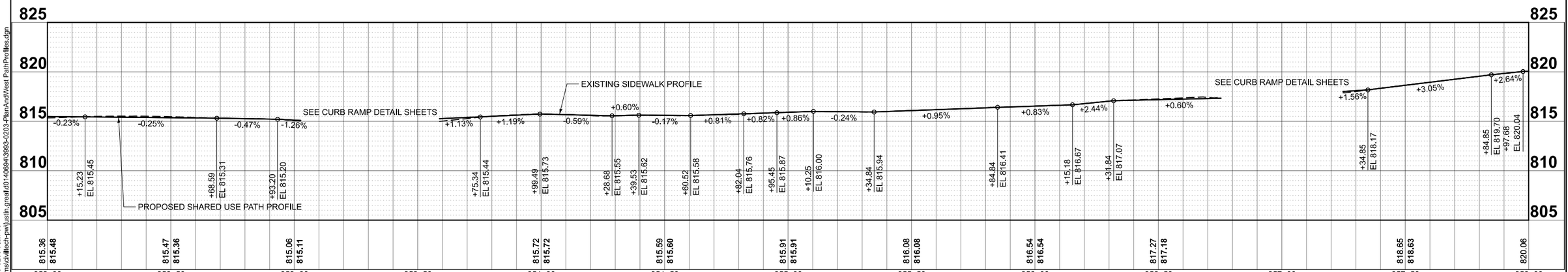
SCALE: 1"=20'H/5'V | SHEET 4 OF 9 SHEETS | STA. 346+00.00 TO STA. 352+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	29

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

SCALE: 1"=20'H/5'V | SHEET 5 OF 9 SHEETS | STA. 352+00.00 TO STA. 358+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	30

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

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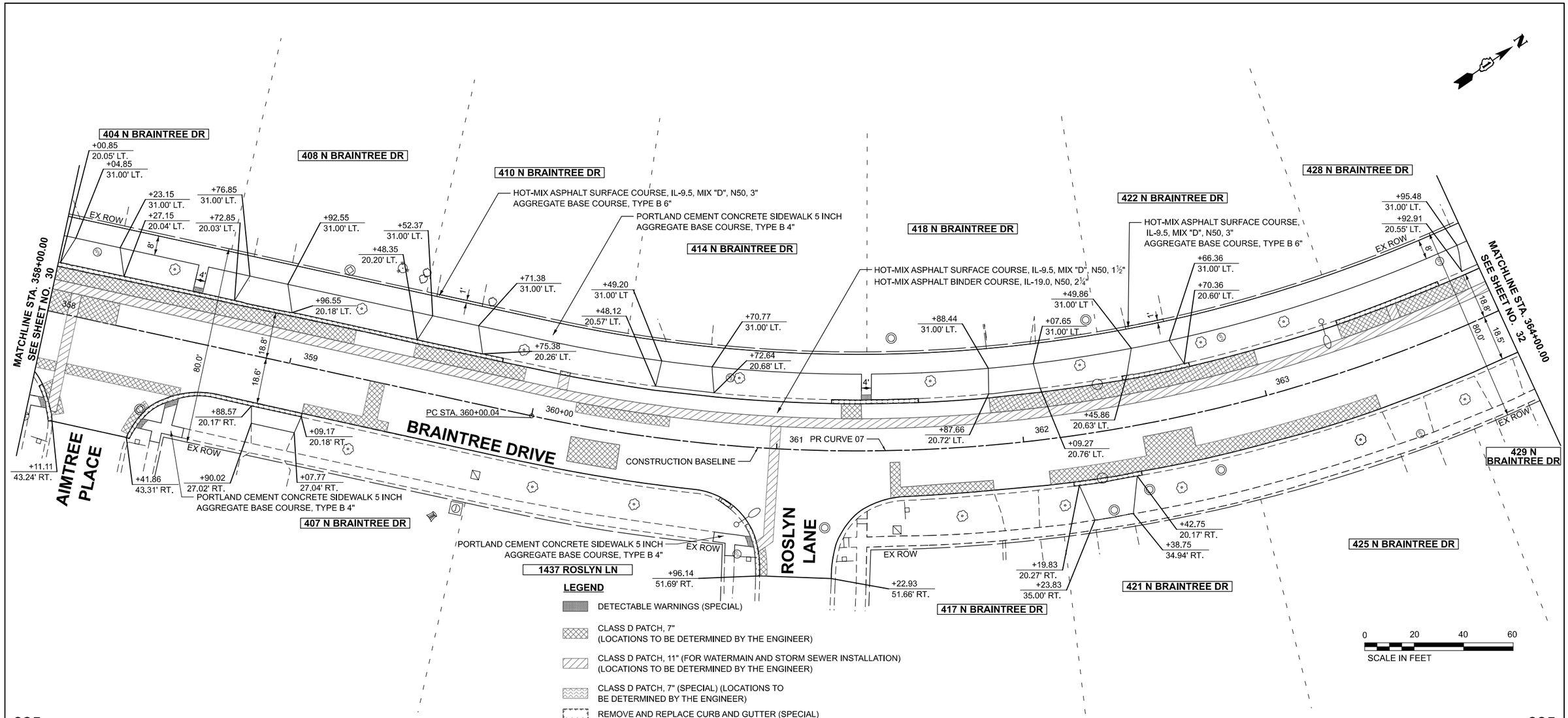

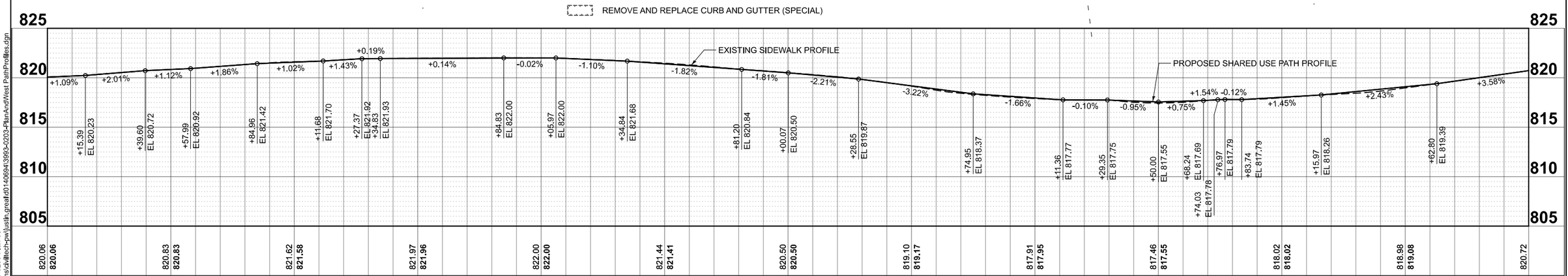

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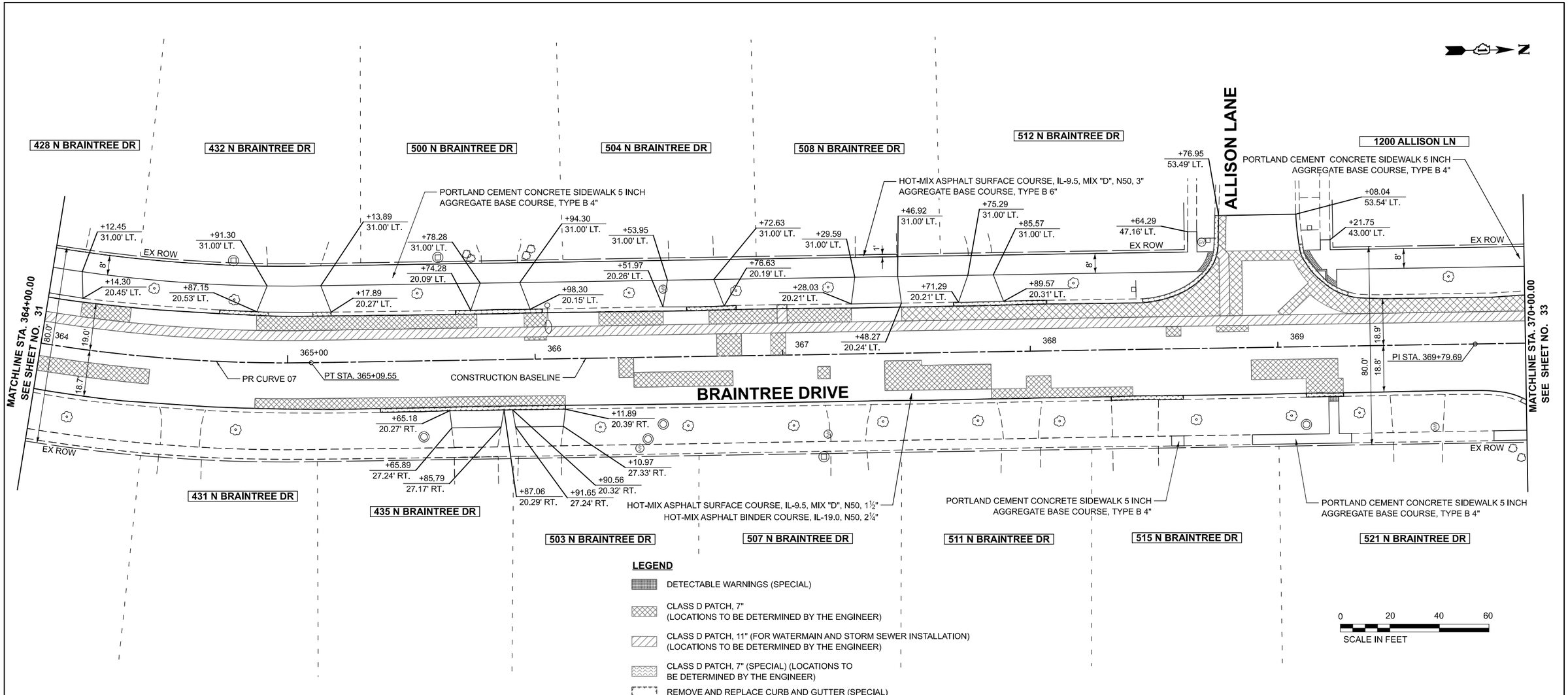
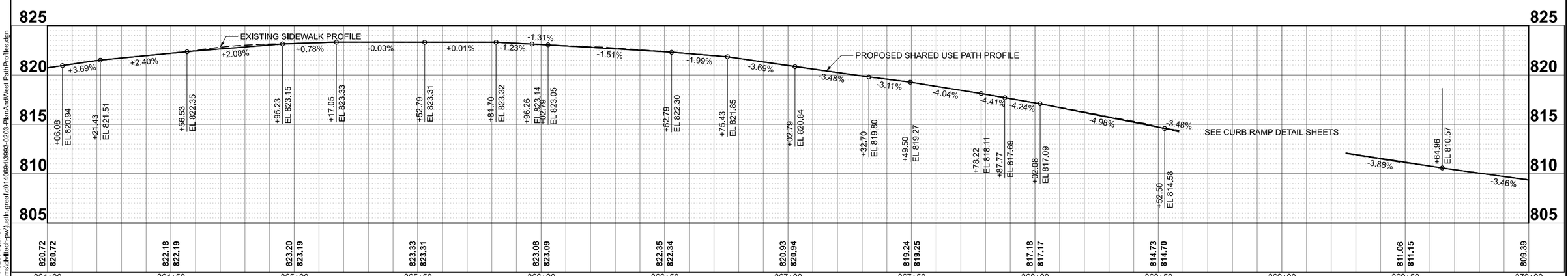
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

SCALE: 1"=20'H/5'V | SHEET 6 OF 9 SHEETS | STA. 358+00.00 TO STA. 364+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	31
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

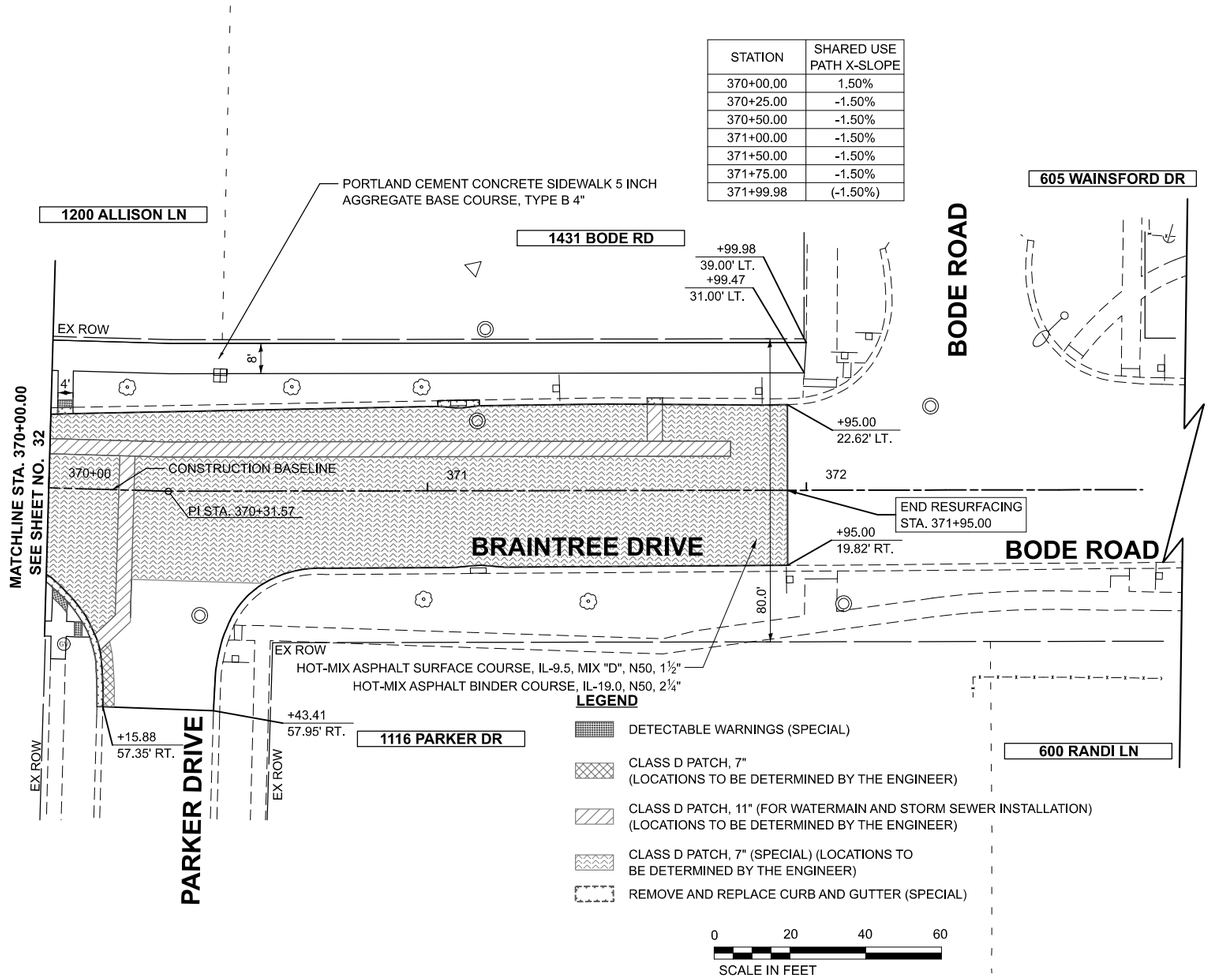
SCALE:1"=20'H/5'V | SHEET 7 OF 9 SHEETS | STA. 364+00.00 TO STA. 370+00.00

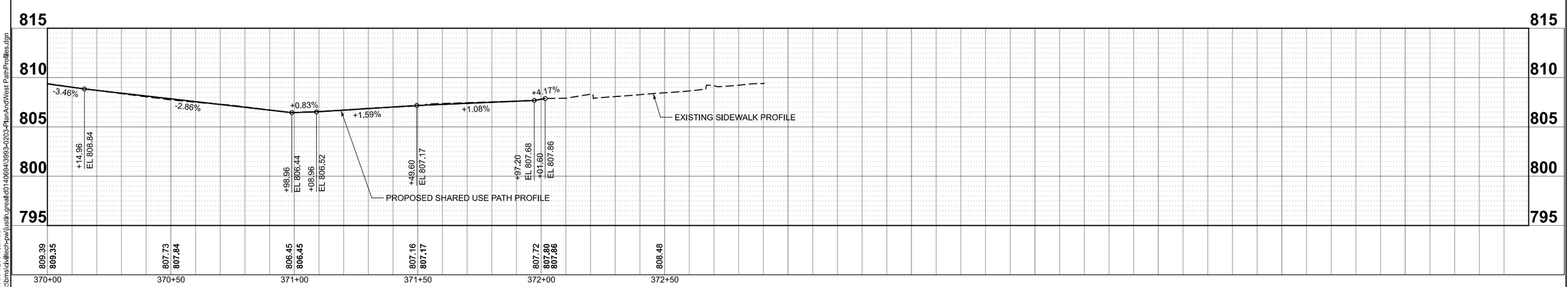
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	32

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

STATION	SHARED USE PATH X-SLOPE
370+00.00	1.50%
370+25.00	-1.50%
370+50.00	-1.50%
371+00.00	-1.50%
371+50.00	-1.50%
371+75.00	-1.50%
371+99.98	(-1.50%)





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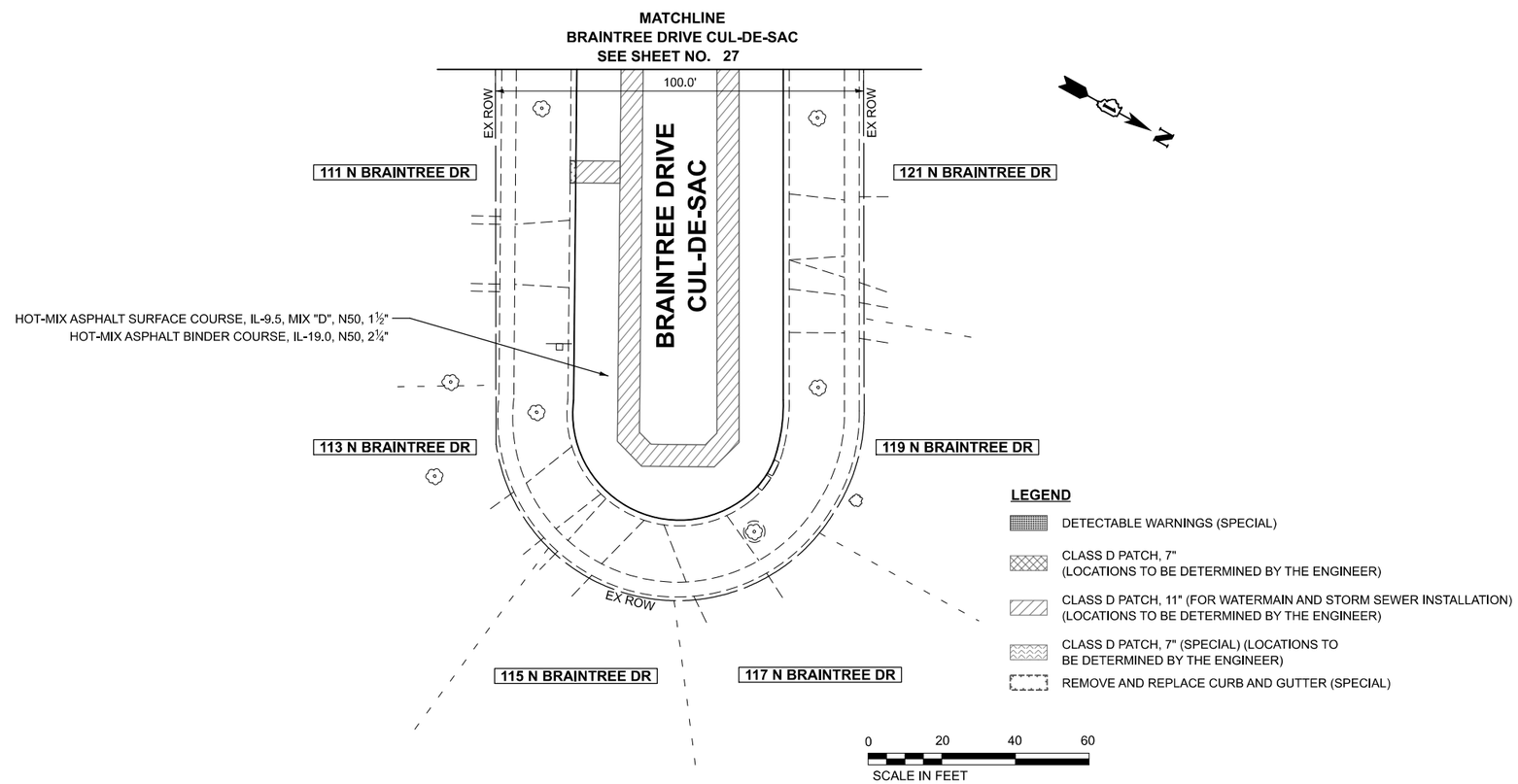
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

SCALE: 1"=20'H/5'V | SHEET 8 OF 9 SHEETS | STA. 370+00.00 TO STA. 371+95.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	33

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PLAN AND WEST PATH PROFILE

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	34

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT

STAGE 1

1. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, AND BARRICADES. SIGN PROPOSED DETOUR AND CLOSE SOUTHBOUND BRAINTREE DRIVE FROM COLWYN DRIVE TO BODE ROAD.

2. REMOVE EXISTING PAVEMENT AND CURB AND GUTTER AS NECESSARY FOR PROPOSED WATER MAIN AND STORM SEWER TRENCHES WITHIN THE WORK ZONE.

3. INSTALL WATER MAIN, STORM SEWER, AND WATER MAIN STRUCTURES FROM COLWYN DRIVE TO BODE ROAD. ONLY ONE INTERSECTION (COLWYN DRIVE, LEEDS PASS, OR ALLISON LANE) SHALL BE ALLOWED TO BE CLOSED AT A SINGLE TIME.

   PRIOR TO CONSTRUCTING CLASS D PATCHES, ACCESS TO PROPERTIES SHALL BE MAINTAINED ACROSS UTILITY TRENCHES WITH THE USE OF TEMPORARY AGGREGATE. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (PRIVATE ENTRANCE) FOR THE ADJACENT PROPERTY. TRAFFIC SHALL BE MAINTAINED OVER TRENCHES AT THE INTERSECTIONS WITH BRAINTREE DRIVE WITH THE USE OF TEMPORARY AGGREGATE. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (ROAD) - 1 PER INTERSECTION.

4. PLACE CLASS D PATCHES, 11 INCH.

STAGE 1A (NOT SHOWN)

1. WORK WITHIN THIS STAGE SHALL BE PERFORMED UNDER DAILY LANE CLOSURES IN ACCORDANCE WITH HIGHWAY STANDARD 701501.

2. INSTALL WATER MAIN AND STORM SEWER SOUTH OF COLWYN DRIVE.

STAGE 2 (NOT SHOWN)

1. DAILY LANE CLOSURES SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701501.

2. REMOVE EXISTING CURB AND GUTTER, PAVEMENT, SIDEWALK, AND DRIVEWAYS.

3. CONSTRUCT CURB AND GUTTER, SIDEWALK, AND ENTRANCES.

4. PERFORM LANDSCAPE RESTORATION.

STAGE 3 (NOT SHOWN)

1. DAILY LANE CLOSURES SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701501.

2. MILL EXISTING PAVEMENT SURFACE.

3. THE ENGINEER SHALL INSPECT THE CONDITION OF THE PAVEMENT AND MARK THE AREAS REQUIRING PAVEMENT PATCHING. PERFORM PAVEMENT PATCHING.

4. INSTALL HMA BINDER AND SURFACE COURSE.

5. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNING.

6. REMOVE EROSION CONTROL MEASURES.

7. REMOVE ALL CONSTRUCTION AND DETOUR SIGNS. RE-OPEN SOUTHBOUND BRAINTREE DRIVE AT BODE ROAD.

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLE SS HEREIN REVISED.

2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

3. ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.

4. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND, UNLESS OTHERWISE NOTED. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.

5. DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE NON-METALLIC DRUMS. SPACING SHALL BE AS SHOWN ON THE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONT.)

6. DRUMS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII.

7. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

8. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE. CHANGEABLE MESSAGE SIGNS SHALL DISPLAY A MESSAGE APPROVED BY THE ENGINEER REGARDING THE STAGE CHANGE A MINIMUM OF ONE WEEK BEFORE THE STAGE CHANGE.

9. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

10. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.

11. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.

12. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL SURFACES OUTSIDE OF THE PROJECT LIMITS.

    CONFLICTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING". CONFLICTING PAVEMENT MARKINGS OUTSIDE THE PROJECT LIMITS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".

13. W21-1(O) "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.

14. "FRESH OIL" SIGNS (W21-2(O)-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO TACKING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

15. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

16. COORDINATION WITH PROPERTY OWNERS SHALL BE COMPLETED PRIOR TO CLOSING ANY RESIDENTIAL DRIVEWAYS. ACCESS TO DRIVEWAYS SHALL NOT BE RESTRICTED FOR MORE THAN THREE WEEKS IN TOTAL DURING CONSTRUCTION.

17. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

18. THE CONTRACTOR SHALL COVER ALL PARKING SIGNS WITHIN THE PROJECT LIMITS IN A MANNER MEETING THE APPROVAL OF THE ENGINEER. THE SIGNS SHALL BE UNCOVERED WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

SIDEWALK MAINTENANCE NOTES

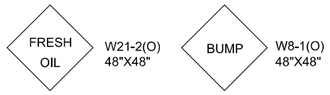
1. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDE REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

2. REPLACEMENT OF THE CURB AND GUTTER, ADA RAMP, AND SIDEWALK SHALL ONLY BE ALLOWED AT ONE CORNER OF AN INTERSECTION AT A TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

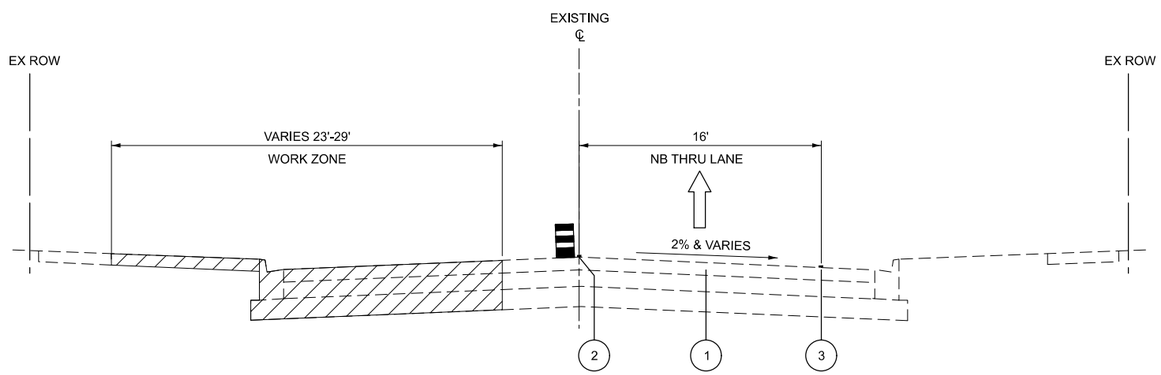
CONSTRUCTION REQUIREMENTS

1. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROPOFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. WHEN SEWER OR WATERMAIN INSTALLATION CROSSES THE ROADWAY, THE CONTRACTOR SHALL STAGE CONSTRUCT THE INSTALLATION TO MAINTAIN TRAFFIC FLOW AND THE DROP-OFF REQUIREMENTS. WHEN TRAFFIC IS SHIFTED TO COMPLETE THE INSTALLATION (CROSSING ANY COMPLETED PORTION OF THE INSTALLATION), STEEL ROAD PLATES SHALL BE INSTALLED BY THE CONTRACTOR UNTIL THE TRENCH IS FULLY BACKFILLED OR PATCHED. THE CONTRACTOR SHALL MAINTAIN THE STEEL PLATE, INCLUDING PROVIDING POSITIVE RESTRAINT OF THE PLATE AND RAMPING AT THE EDGES OF THE PLATE, UNTIL THE PLATE IS REMOVED BY THE CONTRACTOR. WHEN SEWER OR WATERMAIN INSTALLATION IS COMPLETED ON SIDESTREETS, TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701501. WHEN NO WORK IS BEING COMPLETED, THE DROP-OFF REQUIREMENTS NOTED ABOVE SHALL APPLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

2. "UNEVEN LANE" SIGNS (W8-1(O)-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ADJACENT TO THE MILLED SURFACE. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".



TO BE PLACED AS DIRECTED BY THE ENGINEER



PROPOSED TYPICAL SECTION

STAGE 1 - BRAINTREE DRIVE
STA. 352+60.45 TO STA. 371+80.00 LOOKING NORTH

LEGEND

1. EXISTING PAVEMENT
2. LINE 4" (YELLOW EDGE LINE)
3. LINE 4" (EXISTING WHITE EDGE LINE)

WORK ZONE

TRAFFIC FLOW

DRUMS

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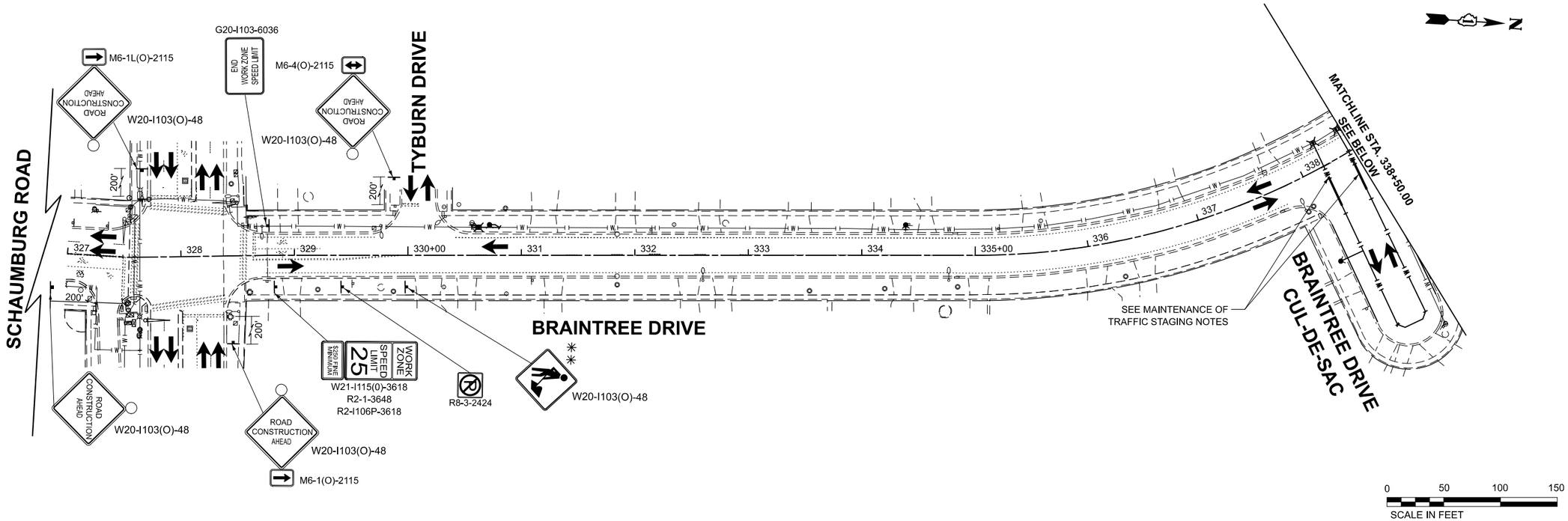
PLOT DATE = 12/9/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SHEET 2 OF 2 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	36
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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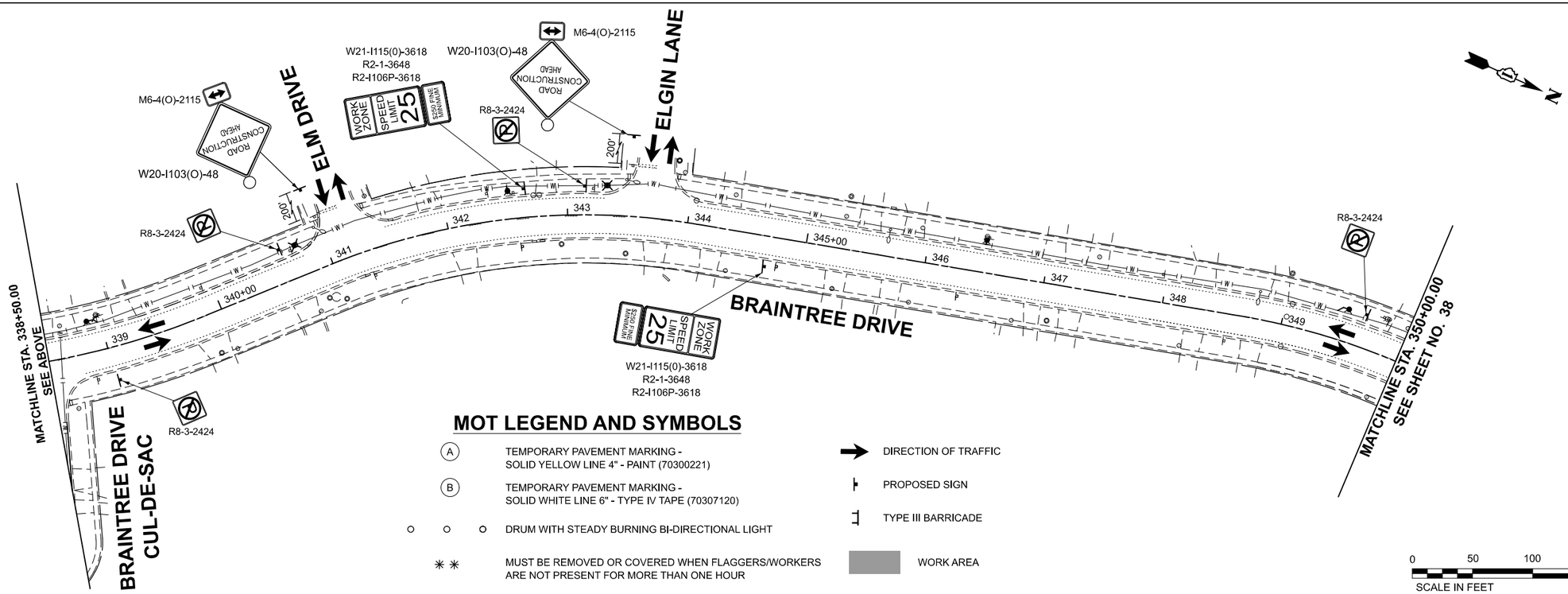

MOT LEGEND AND SYMBOLS

(A)	TEMPORARY PAVEMENT MARKING - SOLID YELLOW LINE 4" - PAINT (70300221)
(B)	TEMPORARY PAVEMENT MARKING - SOLID WHITE LINE 6" - TYPE IV TAPE (70307120)
○ ○ ○	DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
✳ ✳	MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
→	DIRECTION OF TRAFFIC
⊢	PROPOSED SIGN
⊥	TYPE III BARRICADE
▒	WORK AREA

0 50 100 150
SCALE IN FEET

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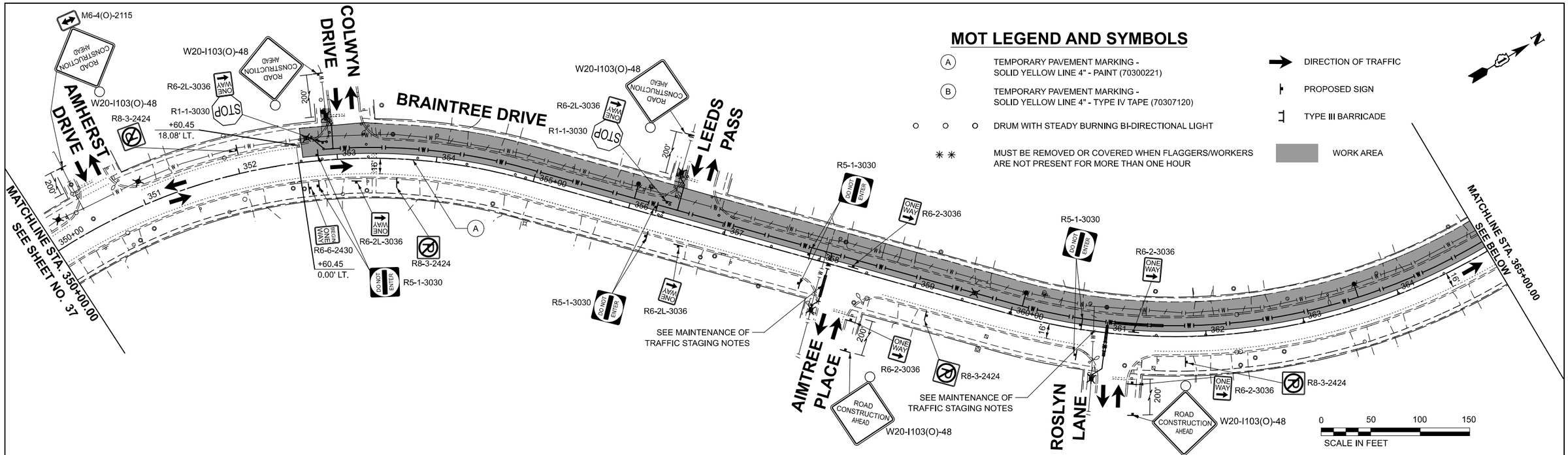
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
MAINTENANCE OF TRAFFIC - STAGE 1

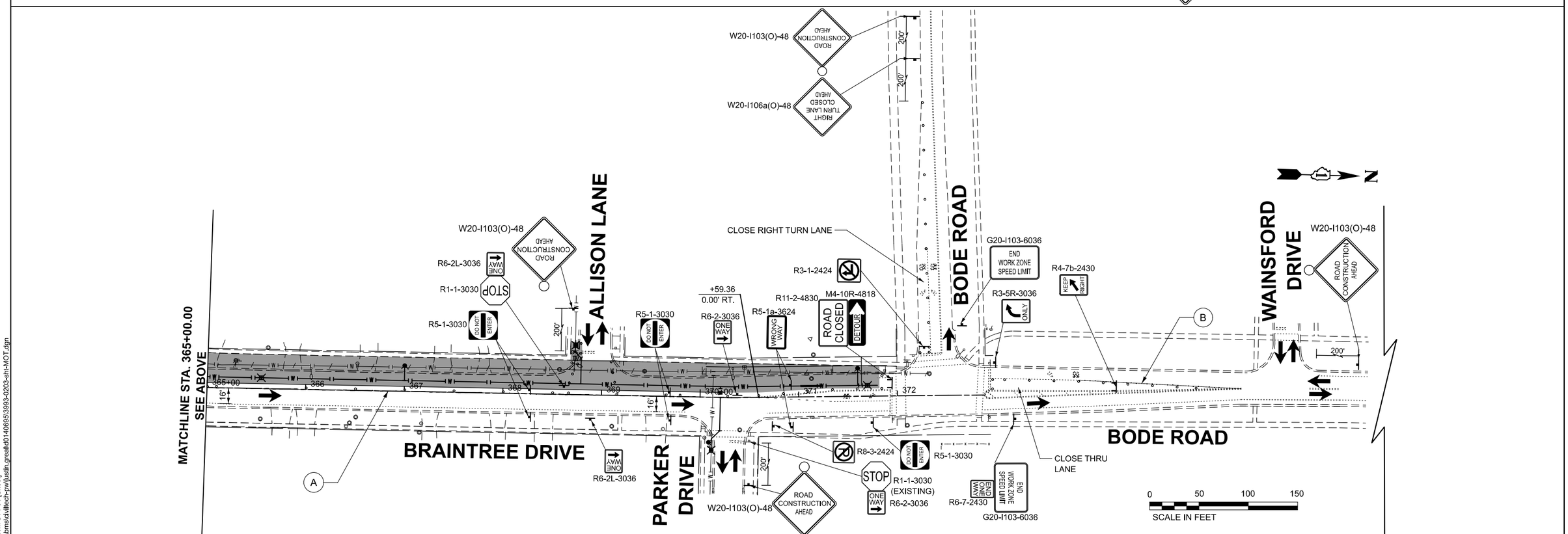
SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 327+00.00 TO STA. 350+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	37
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	

MOT LEGEND AND SYMBOLS

- (A) TEMPORARY PAVEMENT MARKING - SOLID YELLOW LINE 4" - PAINT (70300221)
- (B) TEMPORARY PAVEMENT MARKING - SOLID YELLOW LINE 4" - TYPE IV TAPE (70307120)
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- ✳ ✳ MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
- DIRECTION OF TRAFFIC
- PROPOSED SIGN
- TYPE III BARRICADE
- WORK AREA





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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
MAINTENANCE OF TRAFFIC - STAGE 1

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 350+00.00 TO STA. 373+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	38
		CONTRACT NO. 61M28		
	ILLINOIS	FED. AID PROJECT		

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DETOUR GENERAL NOTES

1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.

2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AND AS DIRECTED BY THE ENGINEER.

3. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS/HER REPRESENTATIVES ON THE CONSTRUCTION SITE, AND HIS/HER REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.

6. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

7. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.

8. ALL DETOUR SIGNING SHALL BE POST MOUNTED IN THE GROUND PER ARTICLE 701.14 AND STANDARD 701901.

9. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.

10. THE ROAD NAME SIGN SHALL BE A BLACK LEGEND ON ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" BLACK LETTERS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY HIM/HER ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS.

12. THE "ROAD CLOSED" (R 11-2 & R 11-4) SIGNS SHALL BE MOUNTED ABOVE THE TYPE III BARRICADES. ALL TYPE III BARRICADES SHALL HAVE 2 AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINES OF THE SUPPORTS.

13. THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 7 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON THE BACK SIDES OF THE BARRICADES.

14. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLE 701. 9 OF THE STANDARD SPECIFICATIONS SHALL APPLY.

15. DURING NON-WORKING HOURS THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE TYPE III BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.

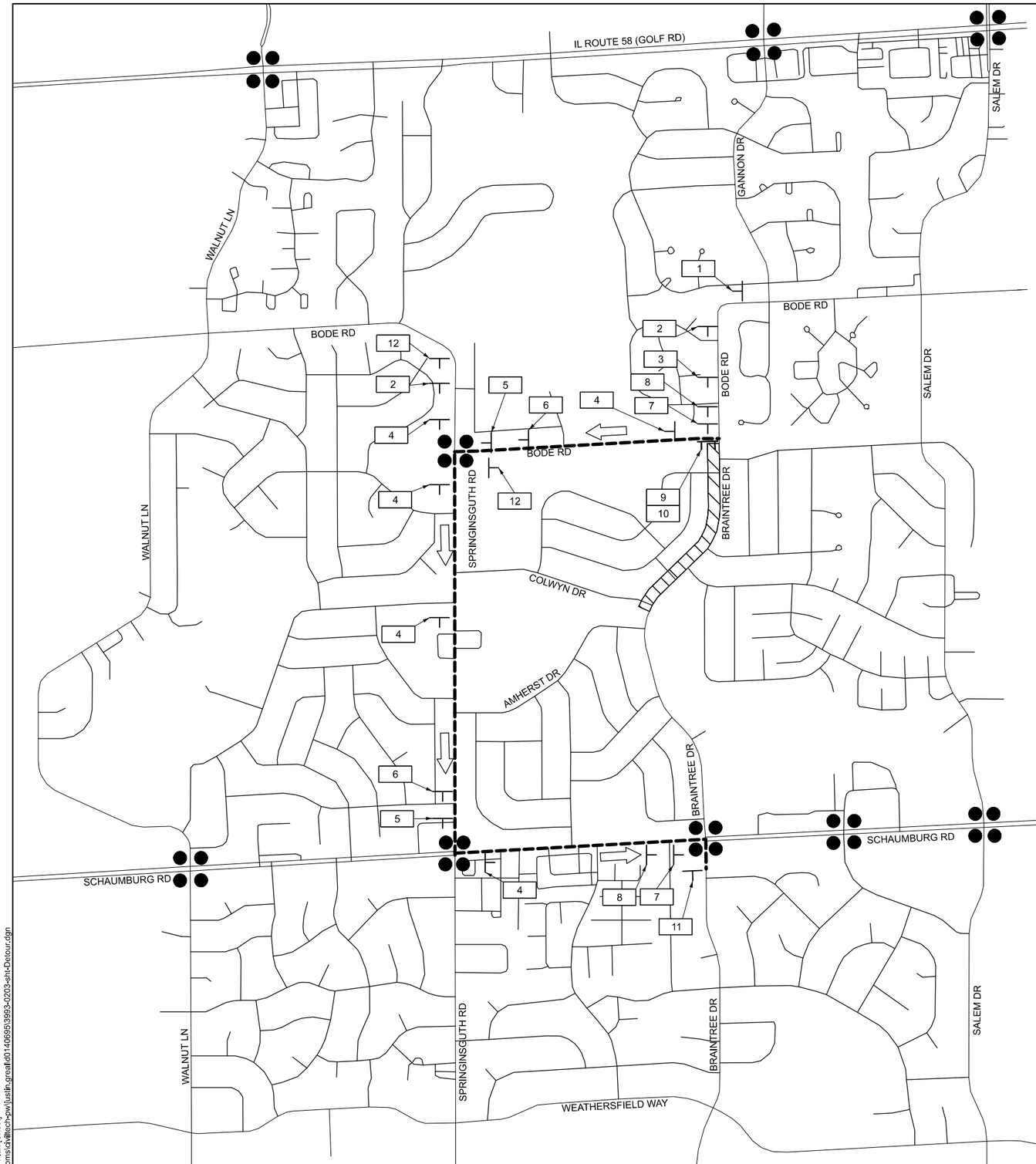
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.

17. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS BEFORE THE ROAD IS TO BE REOPENED TO TRAFFIC.

18. THE COST OF THIS WORK FOR ALL DETOURS SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

19. "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED AT THE INTERSECTIONS OF BRAINTREE DR / SCHAUMBURG RD, BODE RD / SPRINGINSGUTH RD, AND SPRINGINSGUTH RD / SCHAUMBURG RD WHILE THE DETOURS ARE IN OPERATION.

20. INSTALL ALL CHANGEABLE MESSAGE SIGNS, INFORMING THE PUBLIC OF THE DETOUR, AT LEAST ONE WEEK PRIOR TO THE ROADWAY CLOSURE.



SIGN LEGEND

1 — ROAD CLOSED AHEAD — W20-3(O)-48

2 — DETOUR AHEAD — W20-2(O)-48

3 — ROAD CLOSED 500 FT — W20-3(O)-48

4 — SOUTH / Braintree Drive / DETOUR ↑ — M3-3P(O)-2412, SPECIAL(O)-2418, M4-9(O)-3024

5 — SOUTH / Braintree Drive / DETOUR ← — M3-3P(O)-2412, SPECIAL(O)-2418, M4-9L(O)-3024

6 — SOUTH / Braintree Drive / DETOUR ↰ — M3-3P(O)-2412, SPECIAL(O)-2418, M4-9L(O)-3024

7 — SOUTH / Braintree Drive / DETOUR → — M3-3P(O)-2412, SPECIAL(O)-2418, M4-9R(O)-3024

8 — SOUTH / Braintree Drive / DETOUR ↱ — M3-3P(O)-2412, SPECIAL(O)-2418, M4-9R(O)-3024

9 — DETOUR → — M4-10R-4818

10 — ROAD CLOSED — R11-2-4830

11 — END DETOUR — M4-8a(O)-3024

12 — SOUTHBOUND Braintree Drive CLOSED AT Bode Road — SPECIAL(O) - 6030

N

LEGEND

SIGNALIZED INTERSECTION

DETOUR ROUTE

DETOUR ROUTE DIRECTION

SIGN POST (7' HEIGHT, TYP)
ALL SIGNS TO BE POST-MOUNTED
WHEREVER POSSIBLE (SEE NOTE 8)

TYPE III BARRICADE
WITH AMBER FLASHING LIGHTS

WORK ZONE

NOTES:
1) SEE IDOT DISTRICT ONE DETAIL TC-21 FOR TYPICAL SIGN SPACING
2) COORDINATE SIGN PLACEMENT WITH CONTRACTS 61M26 AND 61M27.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

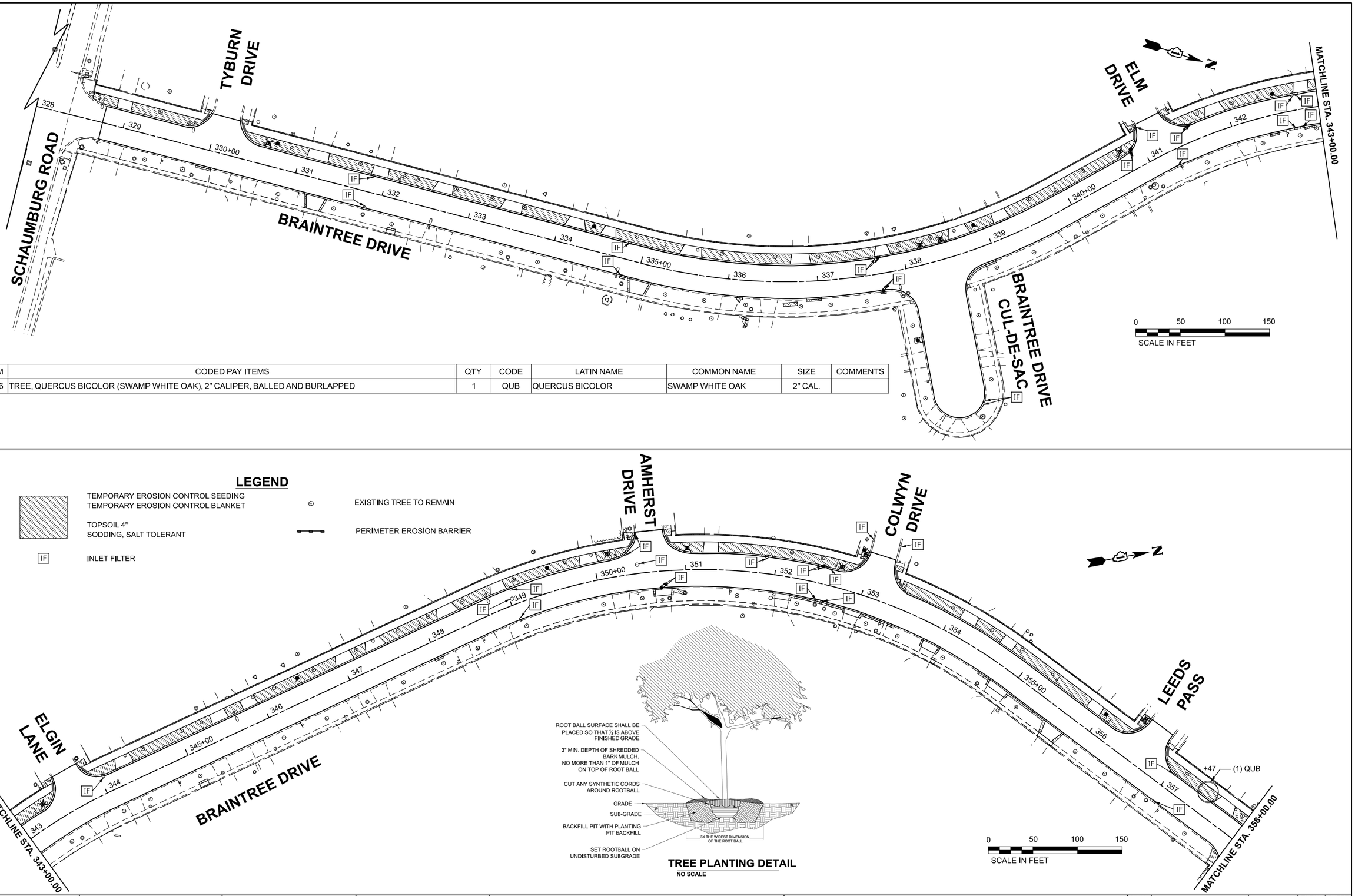
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DETOUR PLAN

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	40

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



LEGEND

- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- TOPSOIL 4"
- SODDING, SALT TOLERANT
- IF — INLET FILTER
- EXISTING TREE TO REMAIN
- PERIMETER EROSION BARRIER

PAY ITEM	CODED PAY ITEMS	QTY	CODE	LATIN NAME	COMMON NAME	SIZE	COMMENTS
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	1	QUB	QUERCUS BICOLOR	SWAMP WHITE OAK	2" CAL.	

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

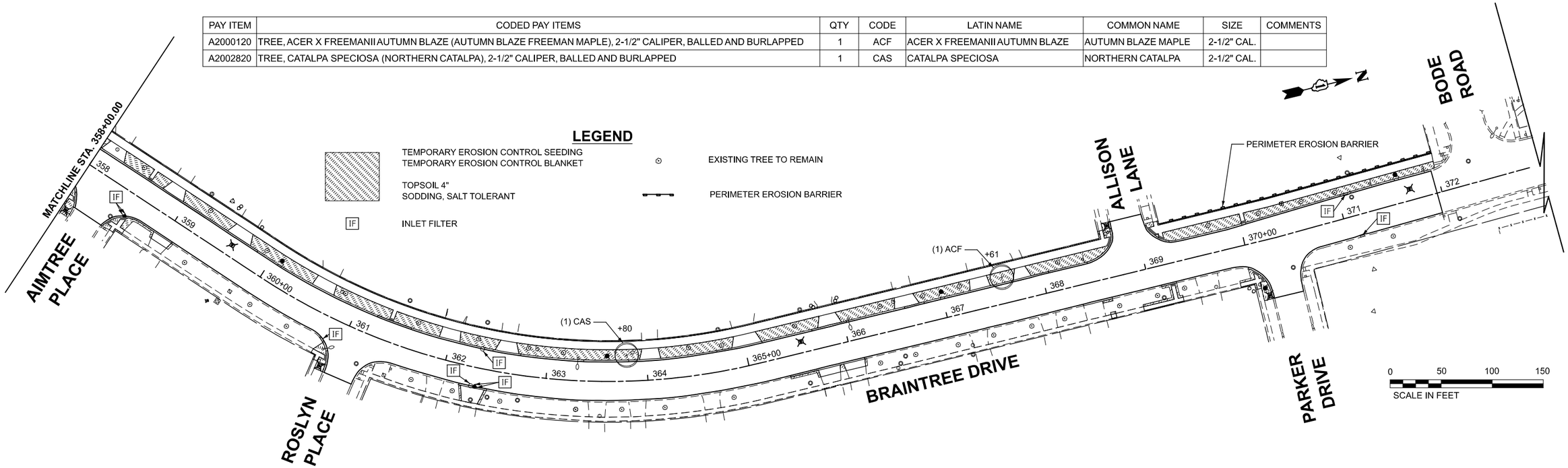
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
EROSION CONTROL AND LANDSCAPING PLANS

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 328+00.00 TO STA. 358+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	41
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	

PAY ITEM	CODED PAY ITEMS	QTY	CODE	LATIN NAME	COMMON NAME	SIZE	COMMENTS
A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	1	ACF	ACER X FREEMANII AUTUMN BLAZE	AUTUMN BLAZE MAPLE	2-1/2" CAL.	
A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	1	CAS	CATALPA SPECIOSA	NORTHERN CATALPA	2-1/2" CAL.	



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

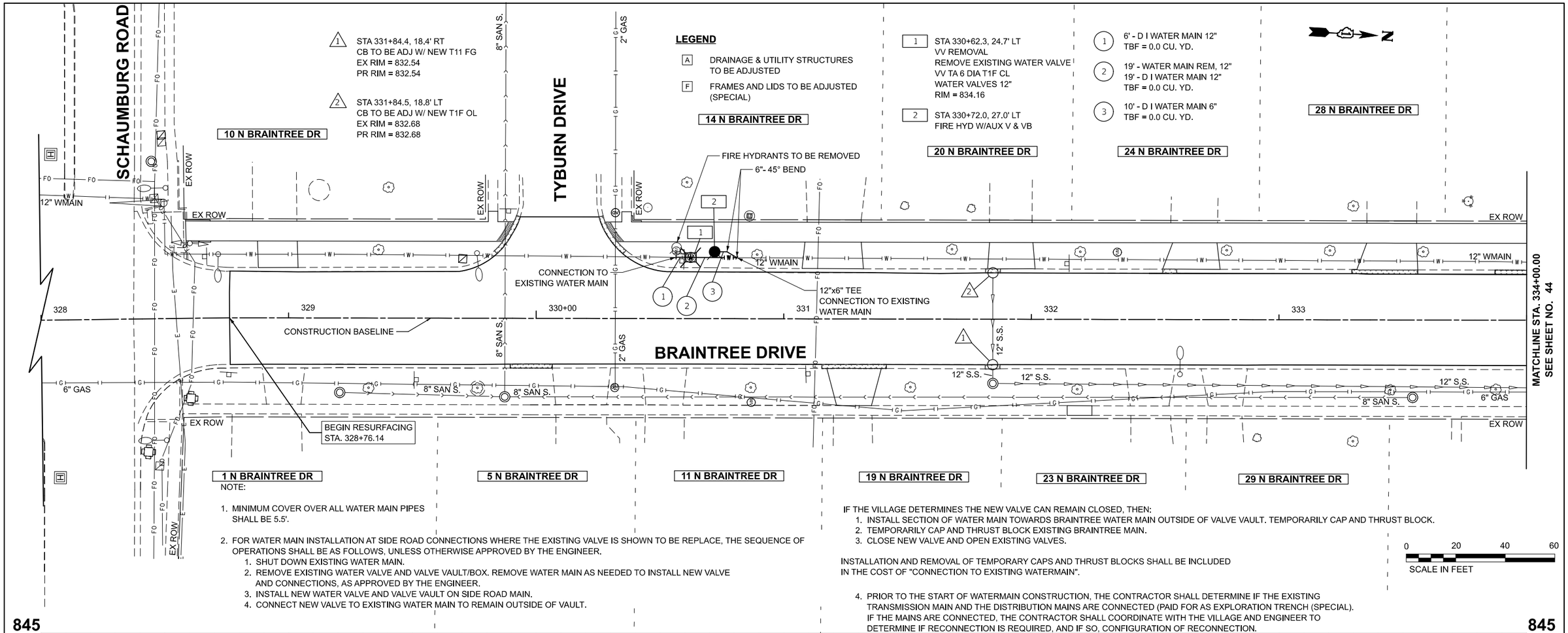
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
EROSION CONTROL AND LANDSCAPING PLANS

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 358+00.00 TO STA. 373+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	42

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT



NOTE:

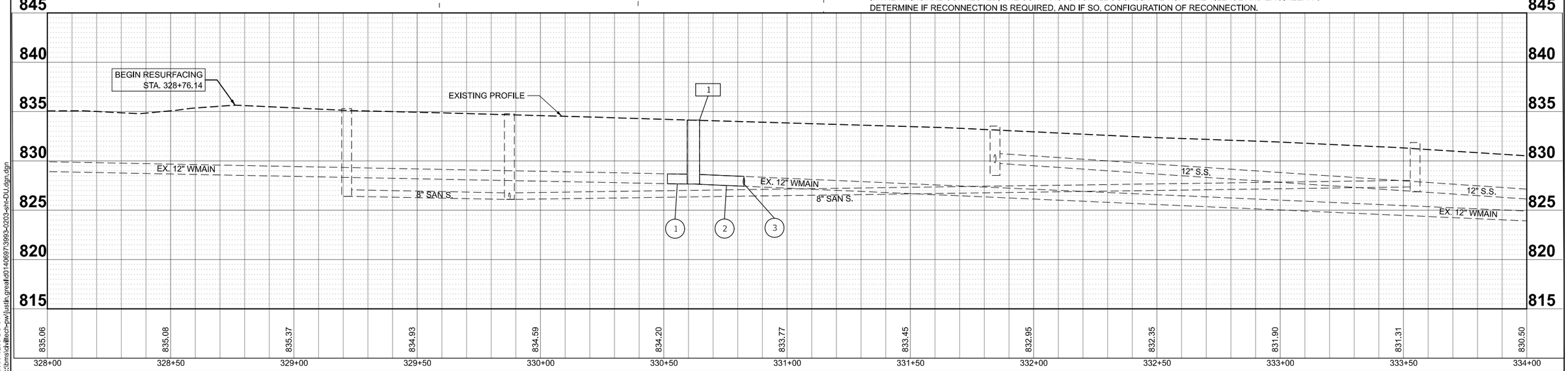
1. MINIMUM COVER OVER ALL WATER MAIN PIPES SHALL BE 5.5'.

2. FOR WATER MAIN INSTALLATION AT SIDE ROAD CONNECTIONS WHERE THE EXISTING VALVE IS SHOWN TO BE REPLACE, THE SEQUENCE OF OPERATIONS SHALL BE AS FOLLOWS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
   1. SHUT DOWN EXISTING WATER MAIN.
   2. REMOVE EXISTING WATER VALVE AND VALVE VAULT/BOX. REMOVE WATER MAIN AS NEEDED TO INSTALL NEW VALVE AND CONNECTIONS, AS APPROVED BY THE ENGINEER.
   3. INSTALL NEW WATER VALVE AND VALVE VAULT ON SIDE ROAD MAIN.
   4. CONNECT NEW VALVE TO EXISTING WATER MAIN TO REMAIN OUTSIDE OF VAULT.

IF THE VILLAGE DETERMINES THE NEW VALVE CAN REMAIN CLOSED, THEN:
1. INSTALL SECTION OF WATER MAIN TOWARDS BRAINTREE WATER MAIN OUTSIDE OF VALVE VAULT. TEMPORARILY CAP AND THRUST BLOCK.
2. TEMPORARILY CAP AND THRUST BLOCK EXISTING BRAINTREE MAIN.
3. CLOSE NEW VALVE AND OPEN EXISTING VALVES.

INSTALLATION AND REMOVAL OF TEMPORARY CAPS AND THRUST BLOCKS SHALL BE INCLUDED IN THE COST OF "CONNECTION TO EXISTING WATERMAIN".

4. PRIOR TO THE START OF WATERMAIN CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE IF THE EXISTING TRANSMISSION MAIN AND THE DISTRIBUTION MAINS ARE CONNECTED (PAID FOR AS EXPLORATION TRENCH (SPECIAL). IF THE MAINS ARE CONNECTED, THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE AND ENGINEER TO DETERMINE IF RECONNECTION IS REQUIRED, AND IF SO, CONFIGURATION OF RECONNECTION.



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	DRAWN - JRR	REVISED -
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PLOT DATE = 12/10/2025	DATE - 11/11/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE:1"=20'H/5'V | SHEET 1 OF 9 SHEETS | STA. 328+76.14 TO STA. 334+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	43

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

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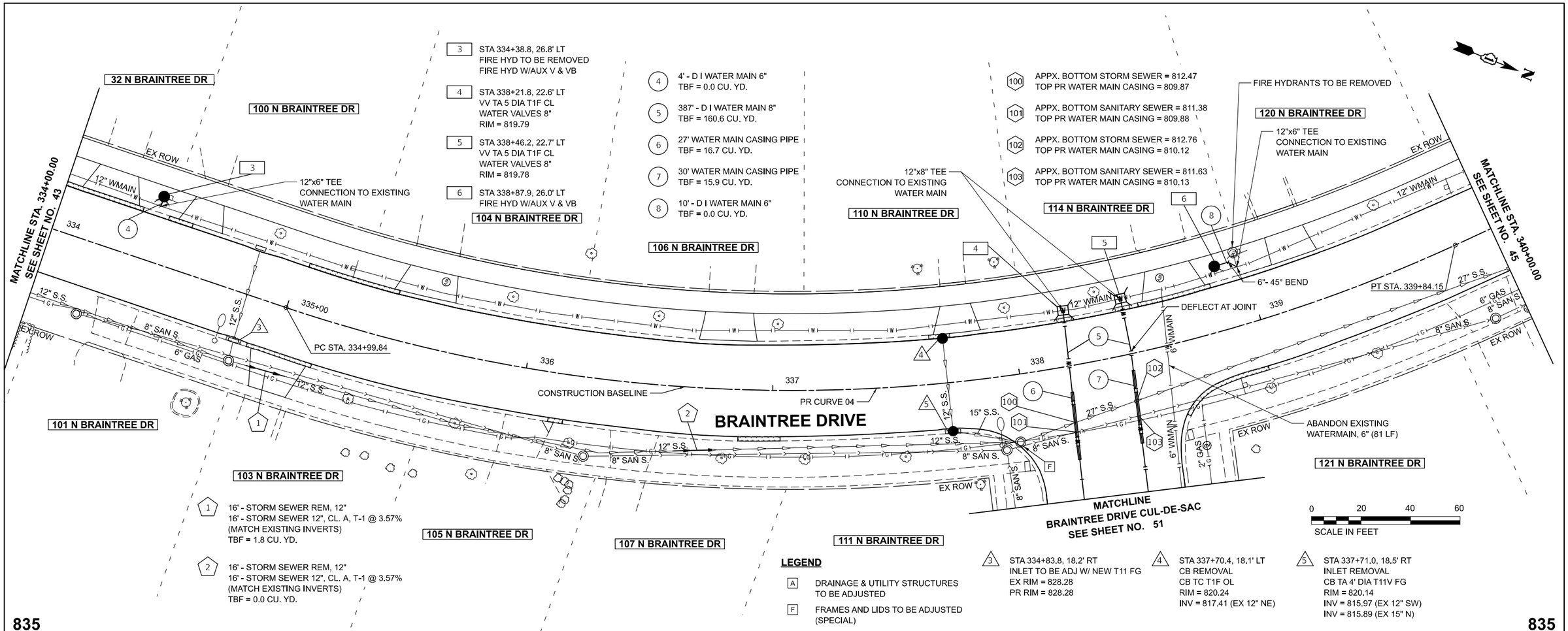


3 STA 334+38.8, 26.8' LT
FIRE HYD TO BE REMOVED
FIRE HYD W/AUX V & VB

4 STA 338+21.8, 22.6' LT
VV TA 5 DIA T1F CL
WATER VALVES 8"
RIM = 819.79

5 STA 338+46.2, 22.7' LT
VV TA 5 DIA T1F CL
WATER VALVES 8"
RIM = 819.78

6 STA 338+87.9, 26.0' LT
FIRE HYD W/AUX V & VB

4 4' - D I WATER MAIN 6"
TBF = 0.0 CU. YD.

5 387' - D I WATER MAIN 8"
TBF = 160.6 CU. YD.

6 27' WATER MAIN CASING PIPE
TBF = 16.7 CU. YD.

7 30' WATER MAIN CASING PIPE
TBF = 15.9 CU. YD.

8 10' - D I WATER MAIN 6"
TBF = 0.0 CU. YD.

100 APPX. BOTTOM STORM SEWER = 812.47
TOP PR WATER MAIN CASING = 809.87

101 APPX. BOTTOM SANITARY SEWER = 811.38
TOP PR WATER MAIN CASING = 809.88

102 APPX. BOTTOM STORM SEWER = 812.76
TOP PR WATER MAIN CASING = 810.12

103 APPX. BOTTOM SANITARY SEWER = 811.63
TOP PR WATER MAIN CASING = 810.13

1 16' - STORM SEWER REM, 12"
16' - STORM SEWER 12", CL. A, T-1 @ 3.57%
(MATCH EXISTING INVERTS)
TBF = 1.8 CU. YD.

2 16' - STORM SEWER REM, 12"
16' - STORM SEWER 12", CL. A, T-1 @ 3.57%
(MATCH EXISTING INVERTS)
TBF = 0.0 CU. YD.

LEGEND

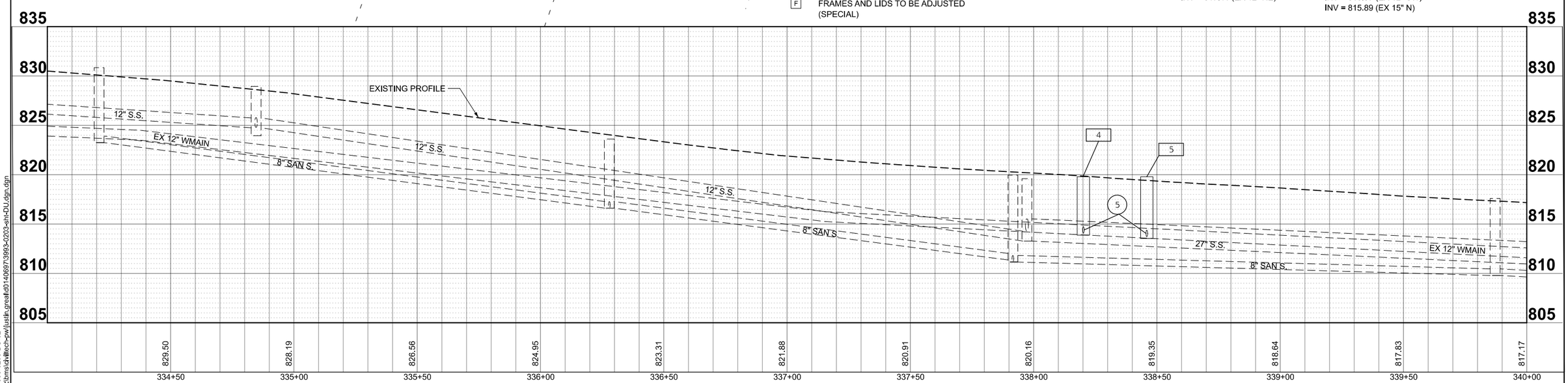
A DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

F FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

3 STA 334+83.8, 18.2' RT
INLET TO BE ADJ W/ NEW T11 FG
EX RIM = 828.28
PR RIM = 828.28

4 STA 337+70.4, 18.1' LT
CB REMOVAL
CB TC T1F OL
RIM = 820.24
INV = 817.41 (EX 12" NE)

5 STA 337+71.0, 18.5' RT
INLET REMOVAL
CB TA 4' DIA T11V FG
RIM = 820.14
INV = 815.97 (EX 12" SW)
INV = 815.89 (EX 15" N)



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE: 1"=20'H/5'V | SHEET 2 OF 9 SHEETS | STA. 334+00.00 TO STA. 340+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	44

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

6 STA 340+88.1, 21.3' LT
INLET REMOVAL
CB TA 4' DIA T11V FG
RIM = 815.39
INV = 812.59 (EX 12" W)
INV = 812.49 (EX 12" NE)

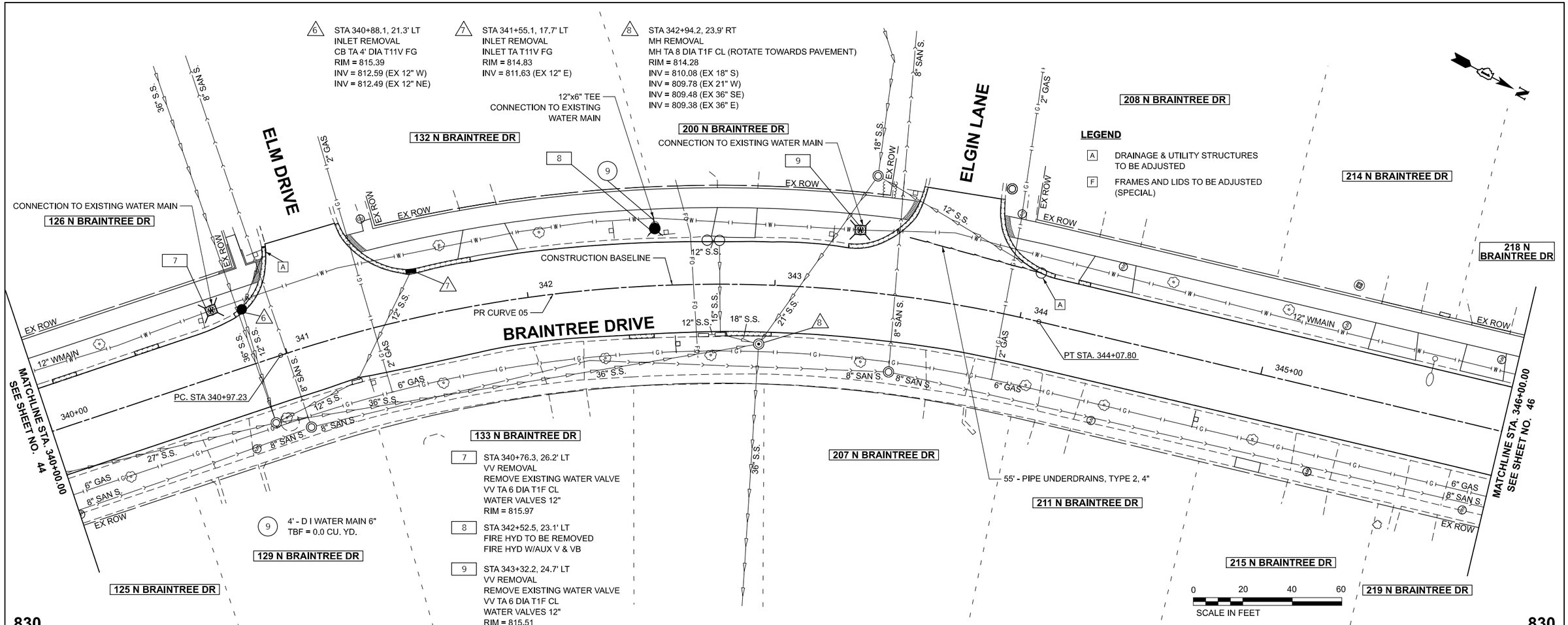
7 STA 341+55.1, 17.7' LT
INLET REMOVAL
INLET TA T11V FG
RIM = 814.83
INV = 811.63 (EX 12" E)

8 STA 342+94.2, 23.9' RT
MH REMOVAL
MH TA 8 DIA T1F CL (ROTATE TOWARDS PAVEMENT)
RIM = 814.28
INV = 810.08 (EX 18" S)
INV = 809.78 (EX 21" W)
INV = 809.48 (EX 36" SE)
INV = 809.38 (EX 36" E)

LEGEND

A DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

F FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

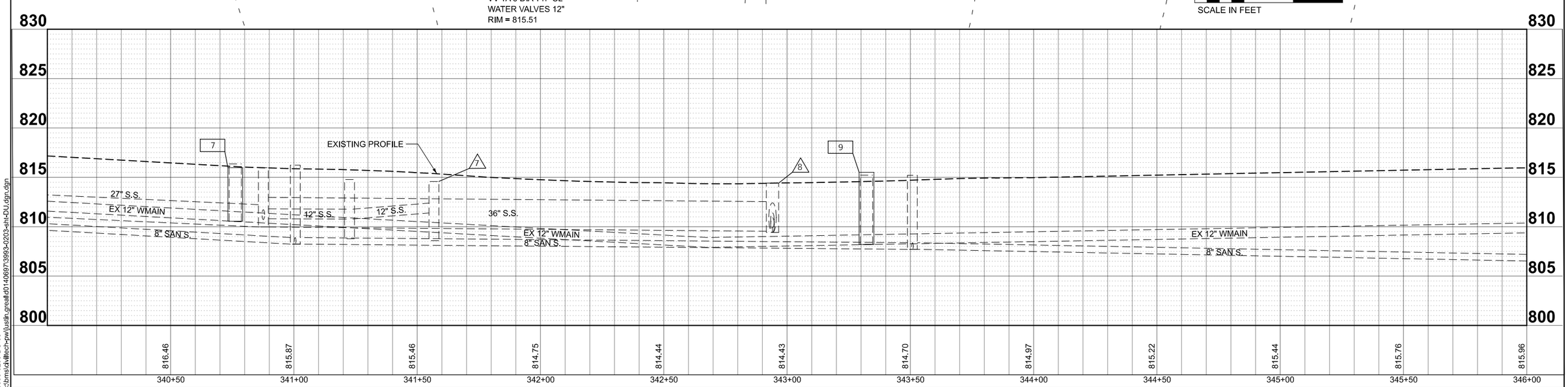


7 STA 340+76.3, 26.2' LT
VV REMOVAL
REMOVE EXISTING WATER VALVE
VV TA 6 DIA T1F CL
WATER VALVES 12"
RIM = 815.97

8 STA 342+52.5, 23.1' LT
FIRE HYD TO BE REMOVED
FIRE HYD W/AUX V & VB

9 STA 343+32.2, 24.7' LT
VV REMOVAL
REMOVE EXISTING WATER VALVE
VV TA 6 DIA T1F CL
WATER VALVES 12"
RIM = 815.51

9 4' - D I WATER MAIN 6"
TBF = 0.0 CU. YD.



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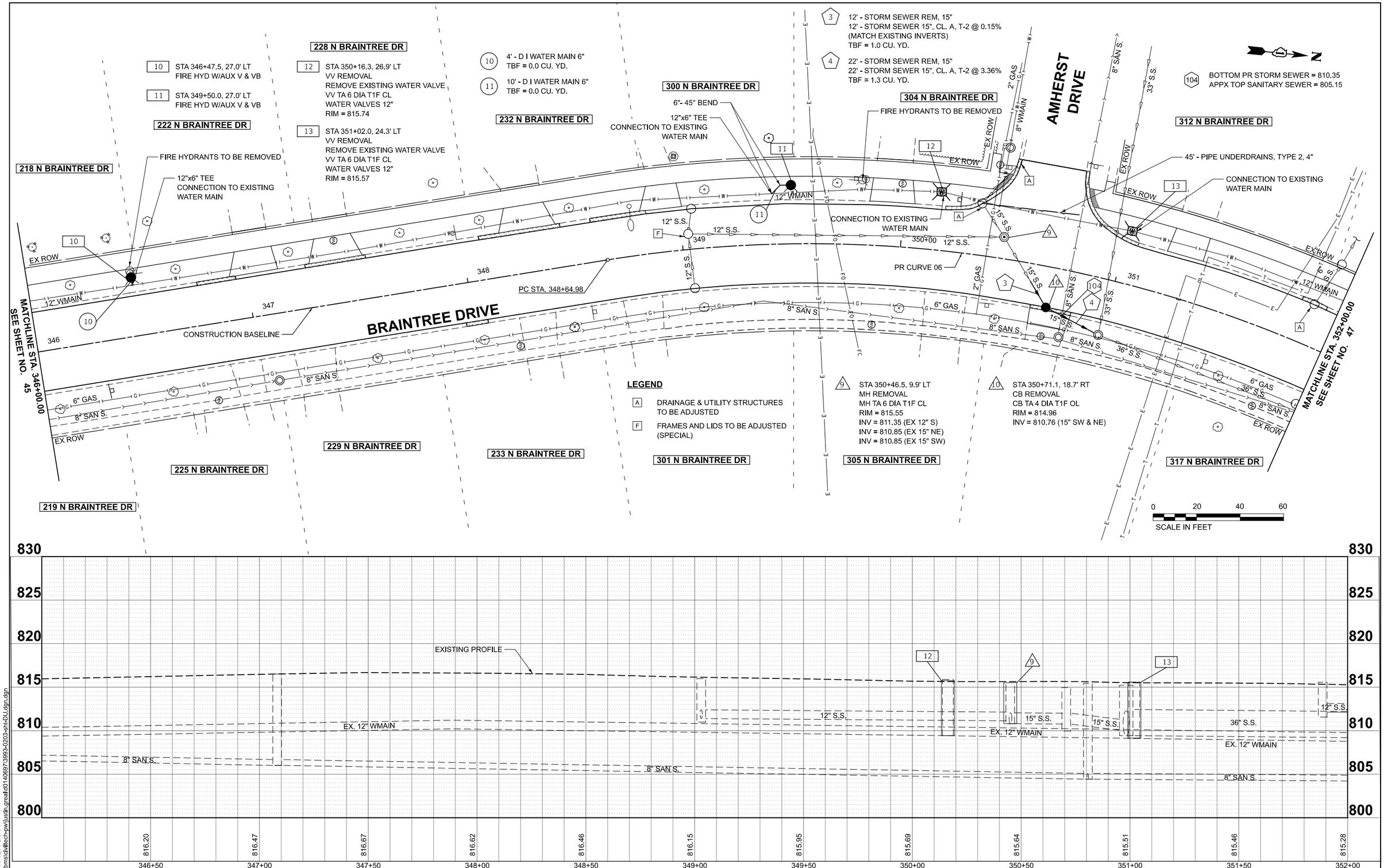
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE: 1"=20'H/5'V | SHEET 3 OF 9 SHEETS | STA. 340+00.00 TO STA. 346+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	45
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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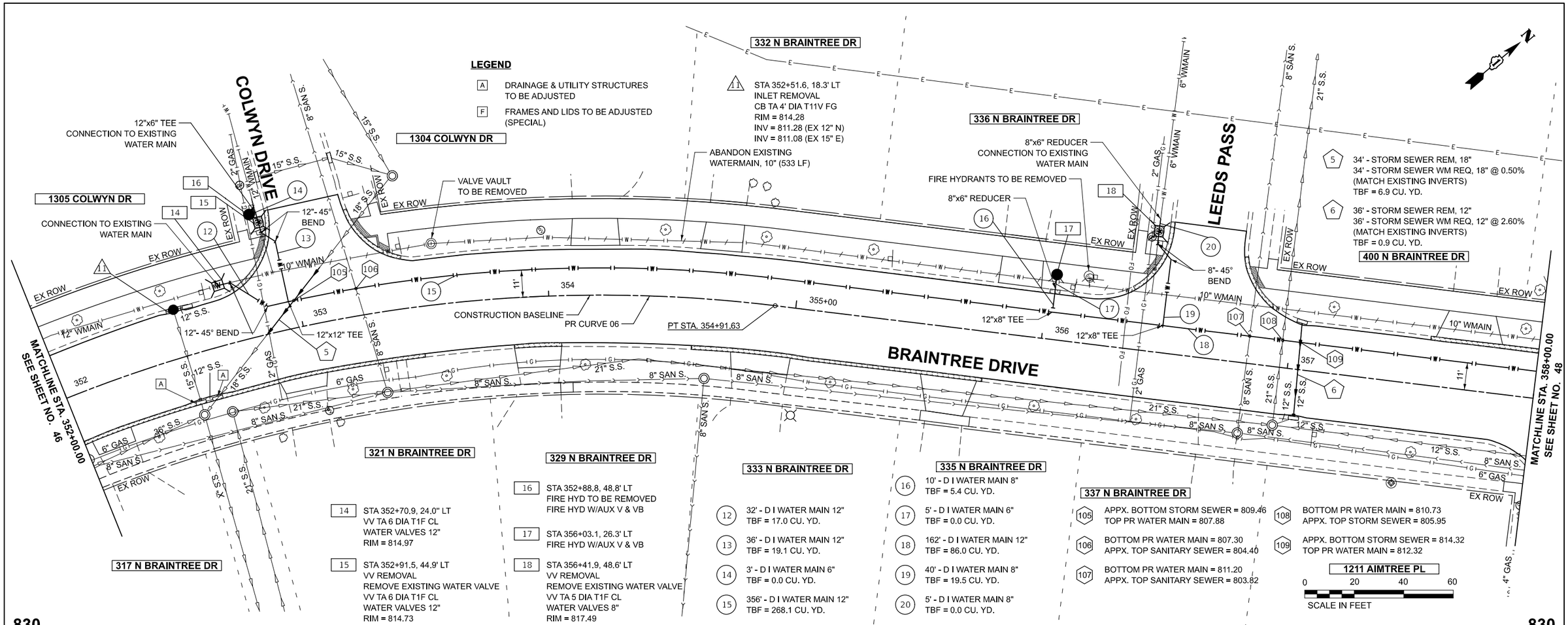
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

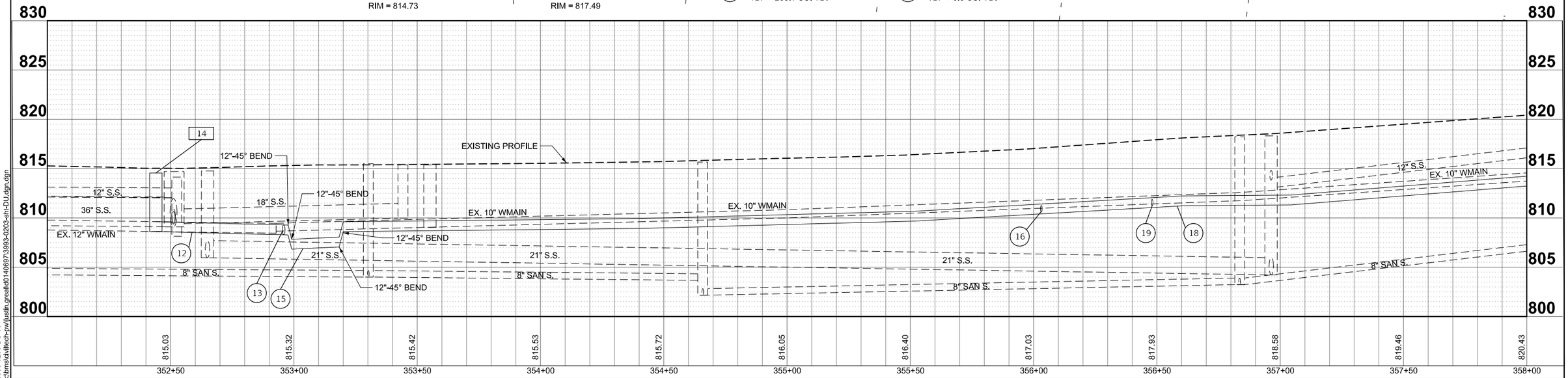
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE: 1"=20'H/5'V | SHEET 4 OF 9 SHEETS | STA. 346+00.00 TO STA. 352+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	46
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	





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PLOT DATE = 1/7/2026	DATE - 11/11/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

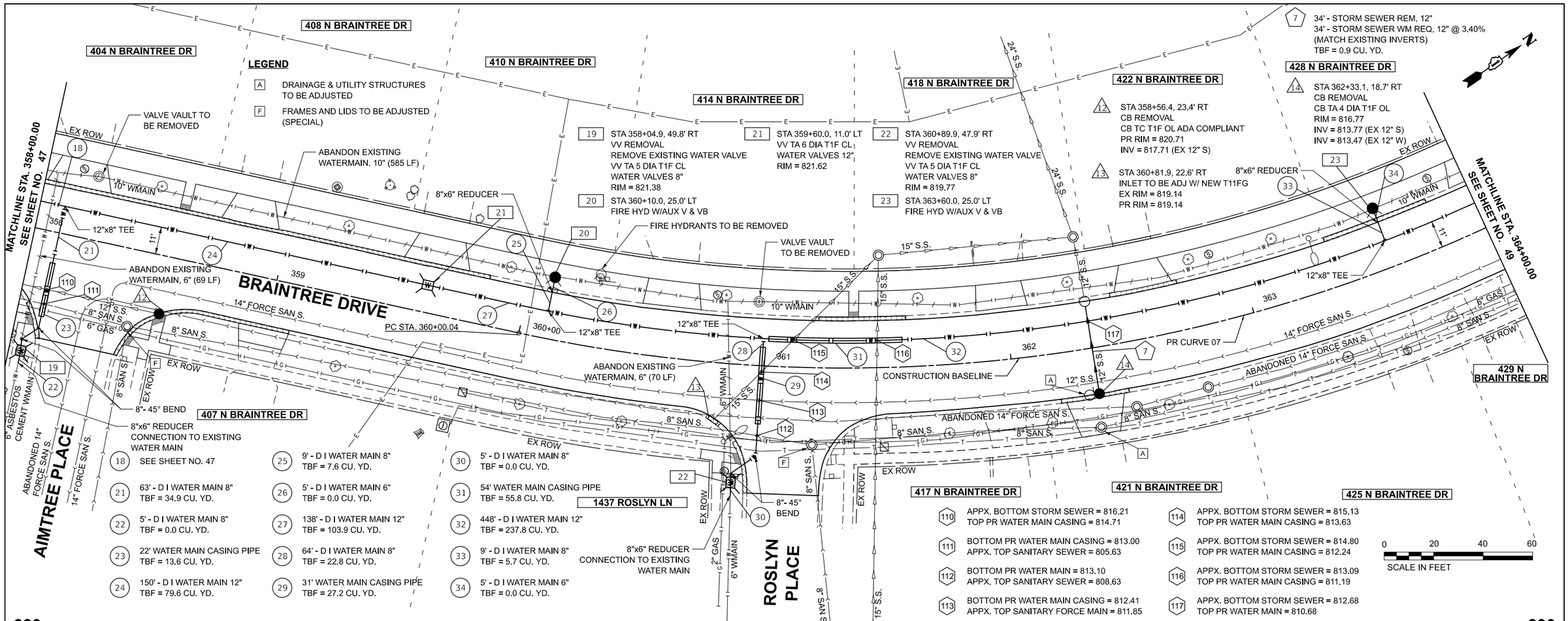
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

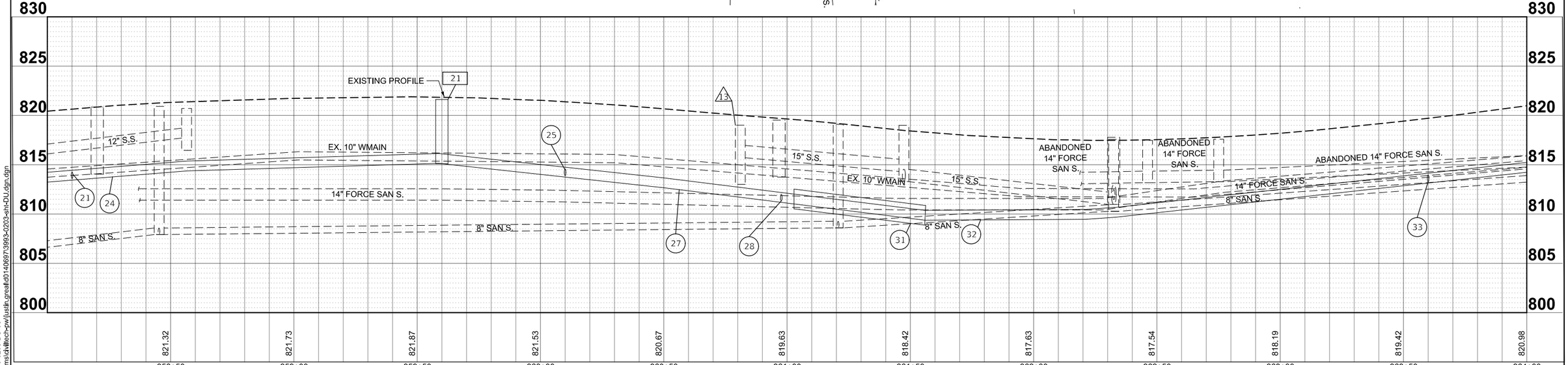
SCALE:1"=20'H/5'V | SHEET 5 OF 9 SHEETS | STA. 352+00.00 TO STA. 358+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	47

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT





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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE: 1"=20'H/5'V | SHEET 6 OF 9 SHEETS | STA. 358+00.00 TO STA. 364+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	48

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

32 SEE SHEET NO. 48

35 10' - D I WATER MAIN 8"
TBF = 5.5 CU. YD.

36 5' - D I WATER MAIN 6"
TBF = 0.0 CU. YD.

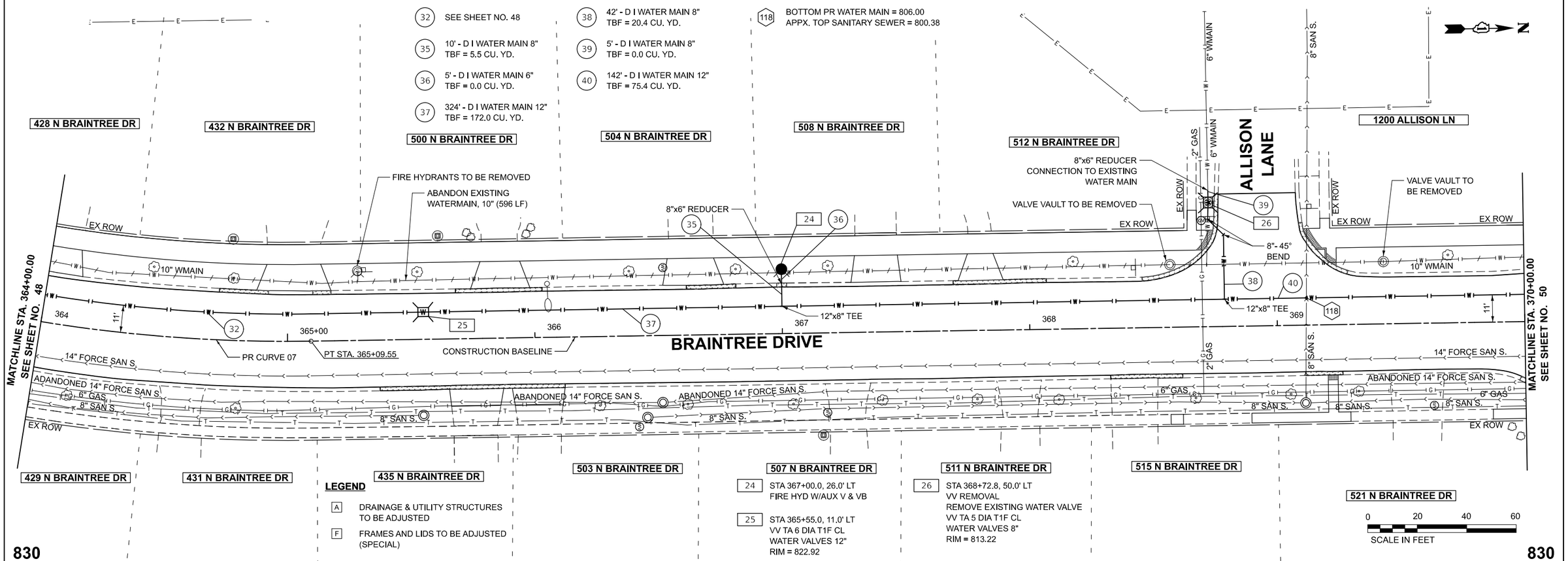
37 324' - D I WATER MAIN 12"
TBF = 172.0 CU. YD.

38 42' - D I WATER MAIN 8"
TBF = 20.4 CU. YD.

39 5' - D I WATER MAIN 8"
TBF = 0.0 CU. YD.

40 142' - D I WATER MAIN 12"
TBF = 75.4 CU. YD.

118 BOTTOM PR WATER MAIN = 806.00
APPX. TOP SANITARY SEWER = 800.38



LEGEND

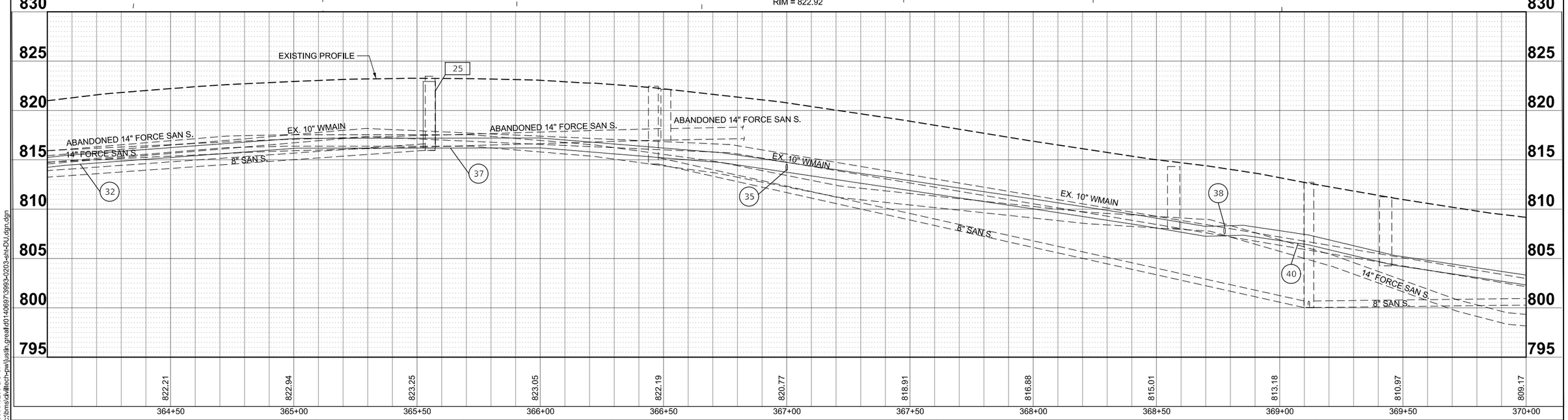
A DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

F FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

24 STA 367+00.0, 26.0' LT
FIRE HYD W/AUX V & VB

25 STA 365+55.0, 11.0' LT
VV TA 6 DIA T1F CL
WATER VALVES 12"
RIM = 822.92

26 STA 368+72.8, 50.0' LT
VV REMOVAL
REMOVE EXISTING WATER VALVE
VV TA 5 DIA T1F CL
WATER VALVES 8"
RIM = 813.22



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE: 1"=20'H/5'V | SHEET 7 OF 9 SHEETS | STA. 364+00.00 TO STA. 370+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	49

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

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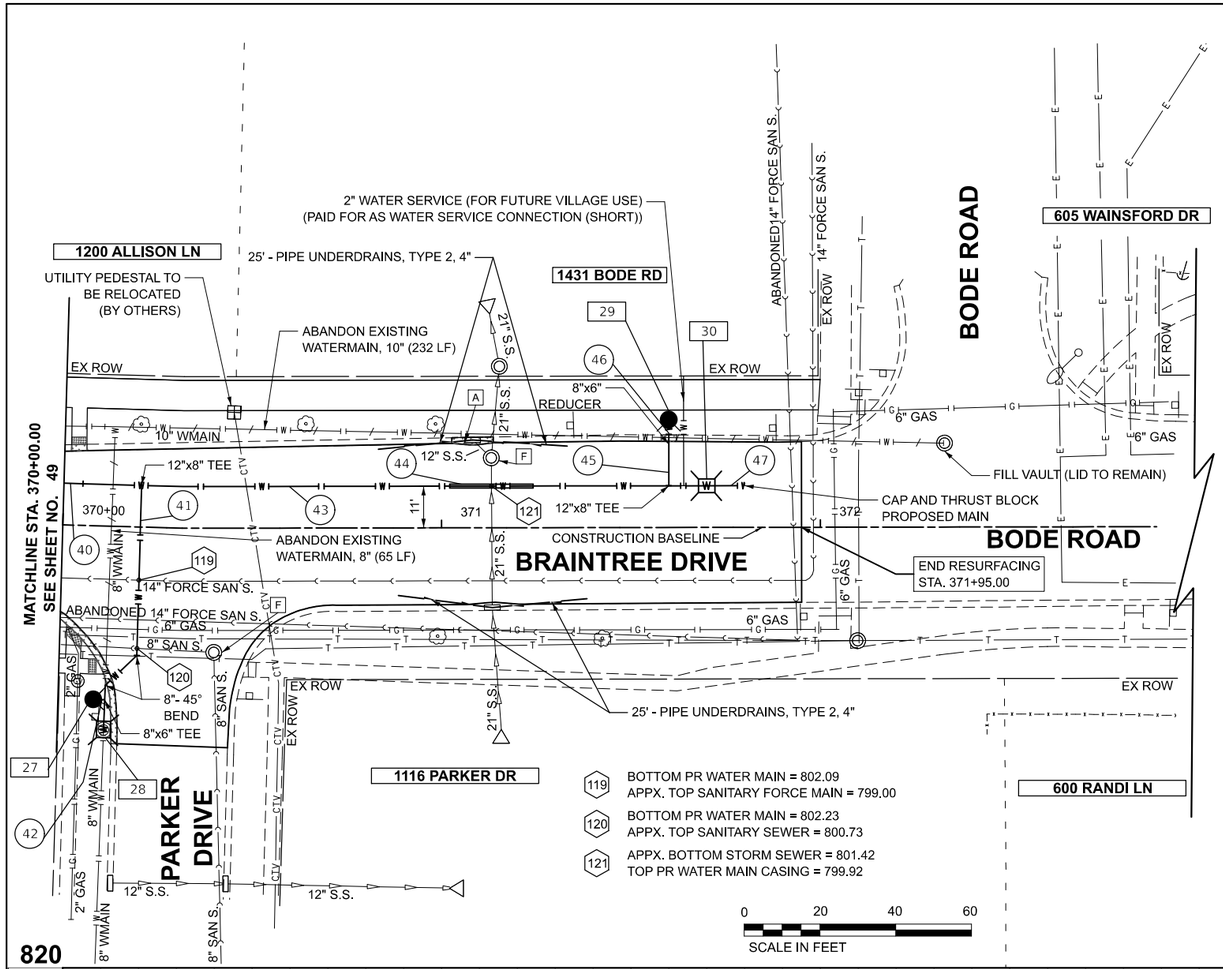


119 BOTTOM PR WATER MAIN = 802.09
APPX. TOP SANITARY FORCE MAIN = 799.00

120 BOTTOM PR WATER MAIN = 802.23
APPX. TOP SANITARY SEWER = 800.73

121 APPX. BOTTOM STORM SEWER = 801.42
TOP PR WATER MAIN CASING = 799.92

0 20 40 60
SCALE IN FEET

27 STA 370+09.3, 45.8' RT
FIRE HYD TO BE REMOVED
FIRE HYD W/AUX V & VB

28 STA 370+12.3, 53.8' RT
VV REMOVAL
REMOVE EXISTING WATER VALVE
VV TA 5 DIA T1F CL
WATER VALVES 8"
CONNECTION TO EXISTING WATER MAIN
RIM = 807.89

29 STA 371+60.0, 28.5' LT
FIRE HYD W/AUX V & VB

30 STA 371+70.0, 11.0' LT
VV TA 6 DIA T1F CL
WATER VALVES 12"
RIM = 807.98

40 SEE SHEET NO. 49

41 68' - D I WATER MAIN 8"
TBF = 29.2 CU. YD.

42 3' - D I WATER MAIN 6"
TBF = 0.0 CU. YD.

43 149' - D I WATER MAIN 12"
TBF = 67.4 CU. YD.

44 22' WATER MAIN CASING PIPE
TBF = 18.7 CU. YD.

45 13' - D I WATER MAIN 8"
TBF = 6.1 CU. YD.

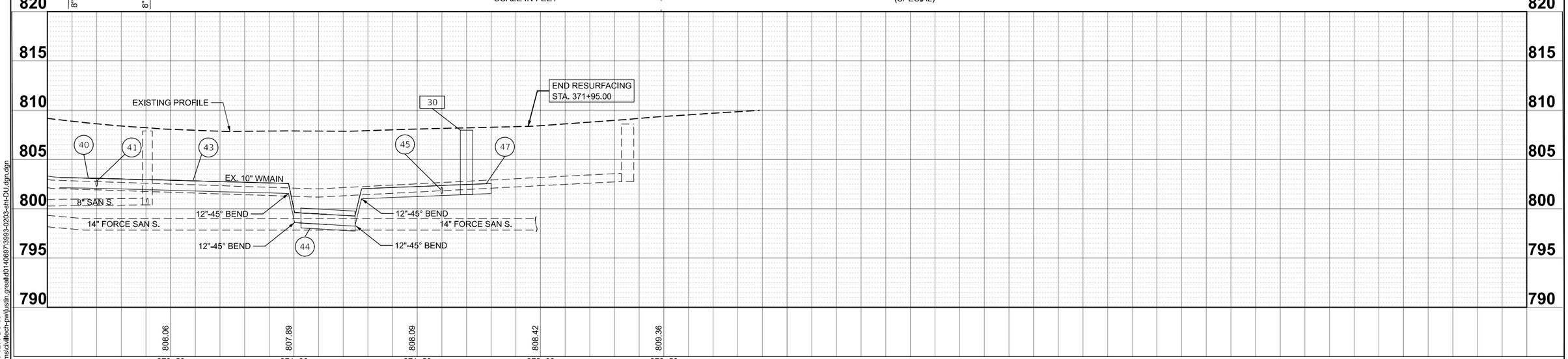
46 5' - D I WATER MAIN 6"
TBF = 1.5 CU. YD.

47 10' - D I WATER MAIN 12"
TBF = 5.3 CU. YD.

LEGEND

A DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

F FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



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PLOT DATE = 1/7/2026	DATE - 11/11/2025	REVISED -	

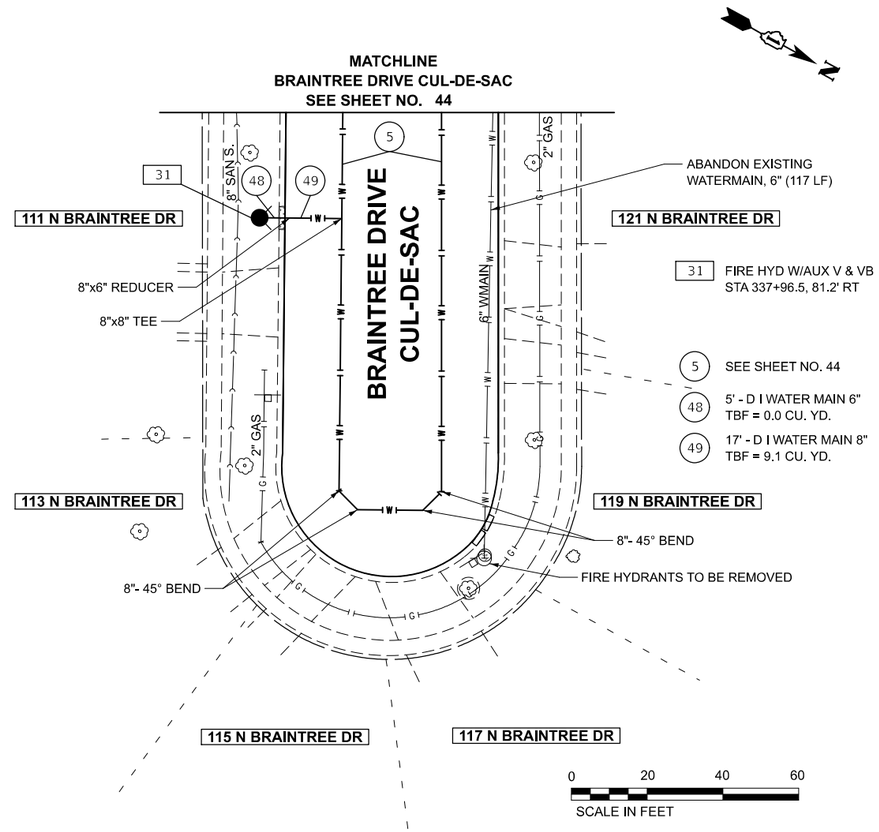
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

SCALE: 1"=20'H/5'V | SHEET 8 OF 9 SHEETS | STA. 370+00.00 TO STA. 376+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	50

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

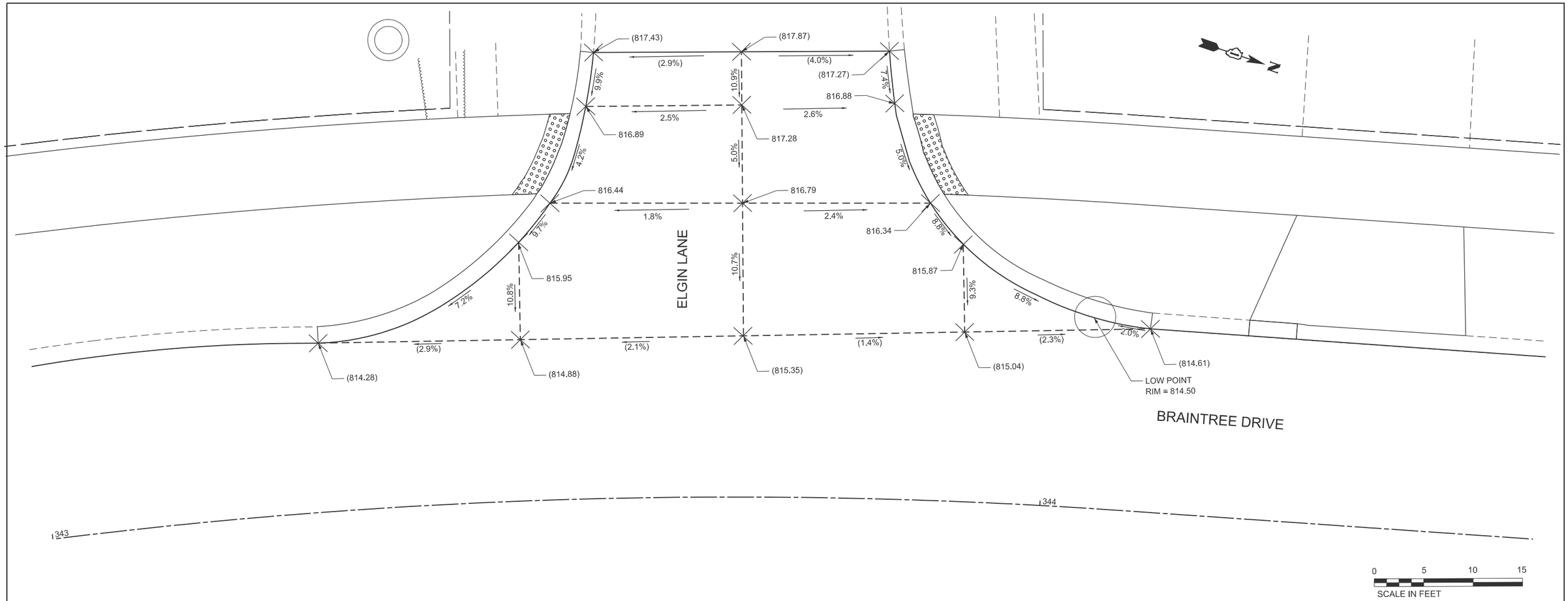
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
DRAINAGE AND UTILITIES - WATERMAIN PLANS

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	51

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

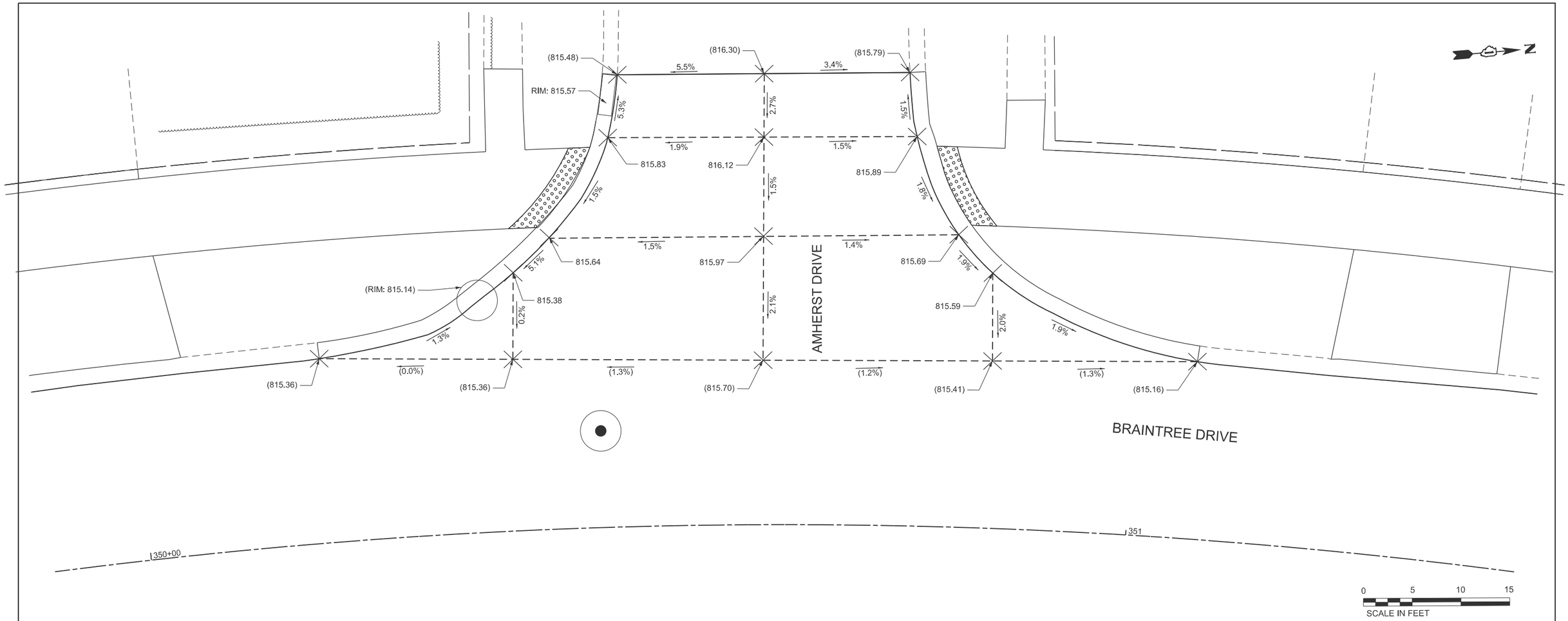
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
INTERSECTION GRADING PLAN - BRAINTREE DRIVE/ELGIN LANE

SCALE: 1"=5' | SHEET 1 OF 2 SHEETS | STA. 343+00.00 TO STA. 344+50.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	52

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

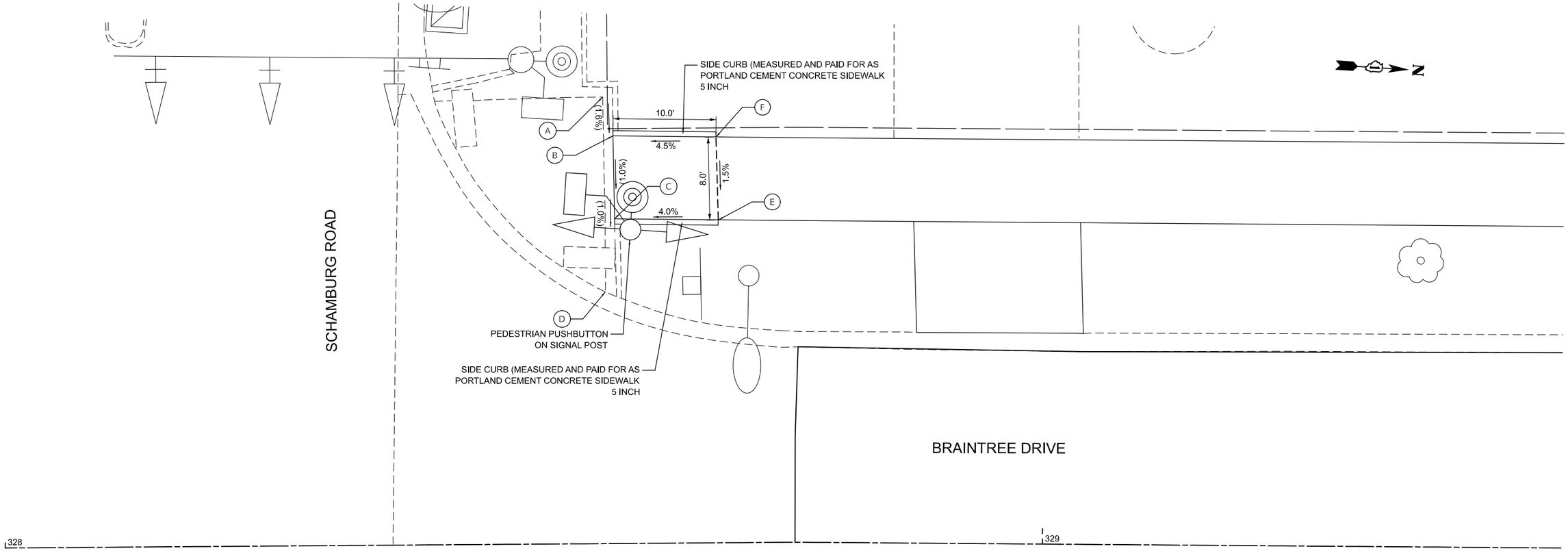
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
INTERSECTION GRADING PLAN - BRAINTREE DRIVE/AMHERST DRIVE

SCALE: 1"=5' | SHEET 2 OF 2 SHEETS | STA. 349+90.00 TO STA. 351+40.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	53

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



NOTES:

1) ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.

2) THE LOCATION OF THE ACCESSIBLE PEDESTRIAN PUSHBUTTON MUST BE PARALLEL TO THE CROSSWALK.

3) COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1734.

4) ACCESSIBLE PEDESTRIAN PUSHBUTTON EXTENSIONS MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSHBUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".

5) IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".

6) ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.

7) ACCESSIBLE PEDESTRIAN SIGNAL SHALL BE COMPATIBLE WITH EXISTING TRAFFIC SIGNAL EQUIPMENT.

8) ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE MOUNTED AT 36 INCHES.

SCHAUMBURG ROAD AND BRAINTREE DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	328+57.68	43.05' LT	(835.21)	
B	328+58.88	39.31' LT	(835.15)	(835.65)
C	328+58.98	31.31' LT	(835.07)	(835.54)
D	328+58.04	24.27' LT	(834.95)	
E	328+68.98	31.12' LT	835.47	835.47
F	328+68.81	39.12' LT	835.59	835.59

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-1
FILE NAME: c:\bms\dvlitech-pw\justin.greaff.d0140699\3993-0203-sht-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

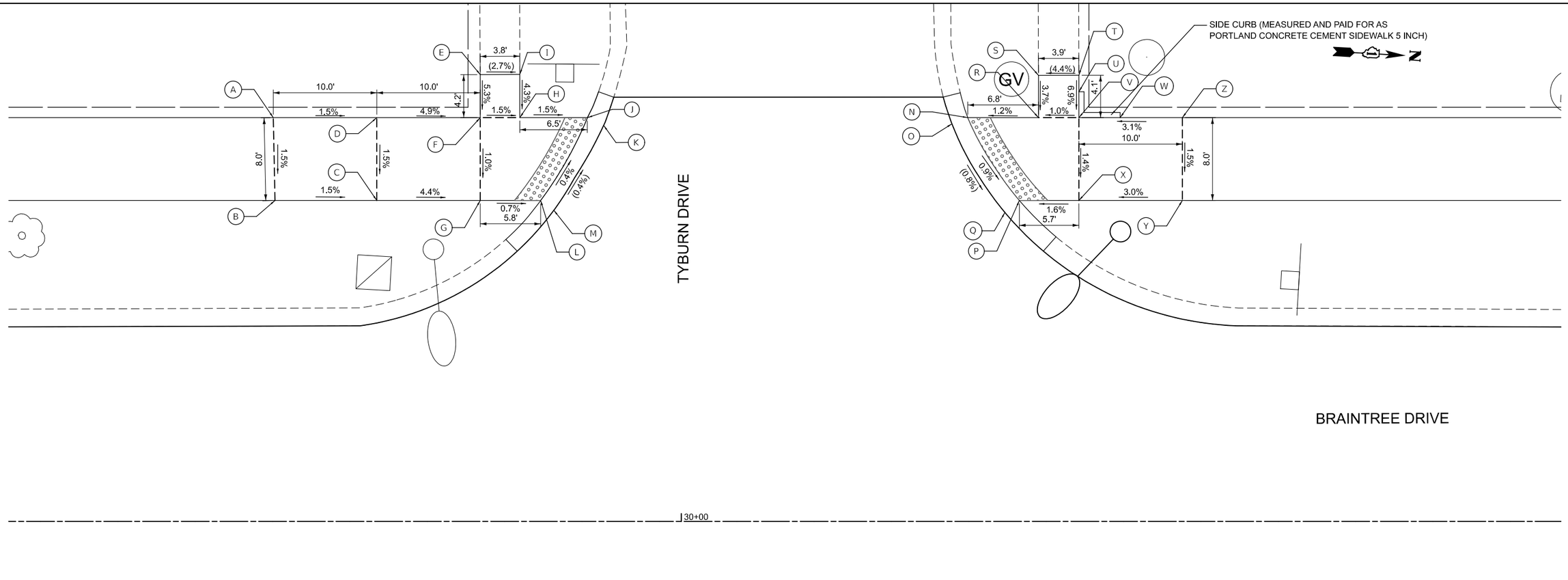
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - NW BRAINTREE DRIVE/SCHAUMBURG ROAD

SCALE: SHEET 1 OF 12 SHEETS STA. 328+00.00 TO STA. 329+50.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	54

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT



BRAINTREE DRIVE AND TYBURN DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	329+60.56	39.00' LT	834.95	
B	329+60.72	31.00' LT	834.83	
C	329+70.56	31.00' LT	834.68	
D	329+70.56	39.00' LT	834.80	
E	329+80.56	43.16' LT	(834.54)	
F	329+80.56	39.00' LT	834.32	
G	329+80.56	31.00' LT	834.24	
H	329+84.39	39.00' LT	834.26	
I	329+84.39	43.18' LT	(834.44)	
J	329+90.92	39.00' LT	834.16	
K	329+92.49	38.26' LT	(834.17)	
L	329+86.40	31.00' LT	834.20	
M	329+87.67	30.05' LT	(834.21)	

BRAINTREE DRIVE AND TYBURN DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
N	330+27.65	39.00' LT	834.07	
O	330+26.15	38.40' LT	(834.08)	
P	330+32.66	31.00' LT	833.99	
Q	330+31.27	29.84' LT	(834.00)	
R	330+34.51	39.00' LT	834.15	
S	330+34.51	43.09' LT	(834.30)	
T	330+38.41	43.10' LT	(834.47)	
U	330+38.41	71.50' LT	834.36	834.36
V	330+38.41	39.00' LT	834.19	834.69
W	330+42.40	39.00' LT	834.32	834.32
X	330+38.41	31.00' LT	834.08	
Y	330+48.41	31.00' LT	834.38	
Z	330+48.41	39.00' LT	834.50	

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-3
FILE NAME: c:\bms\civiltech-pw\justin.greaf.d0140699\3993-0203-shi-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

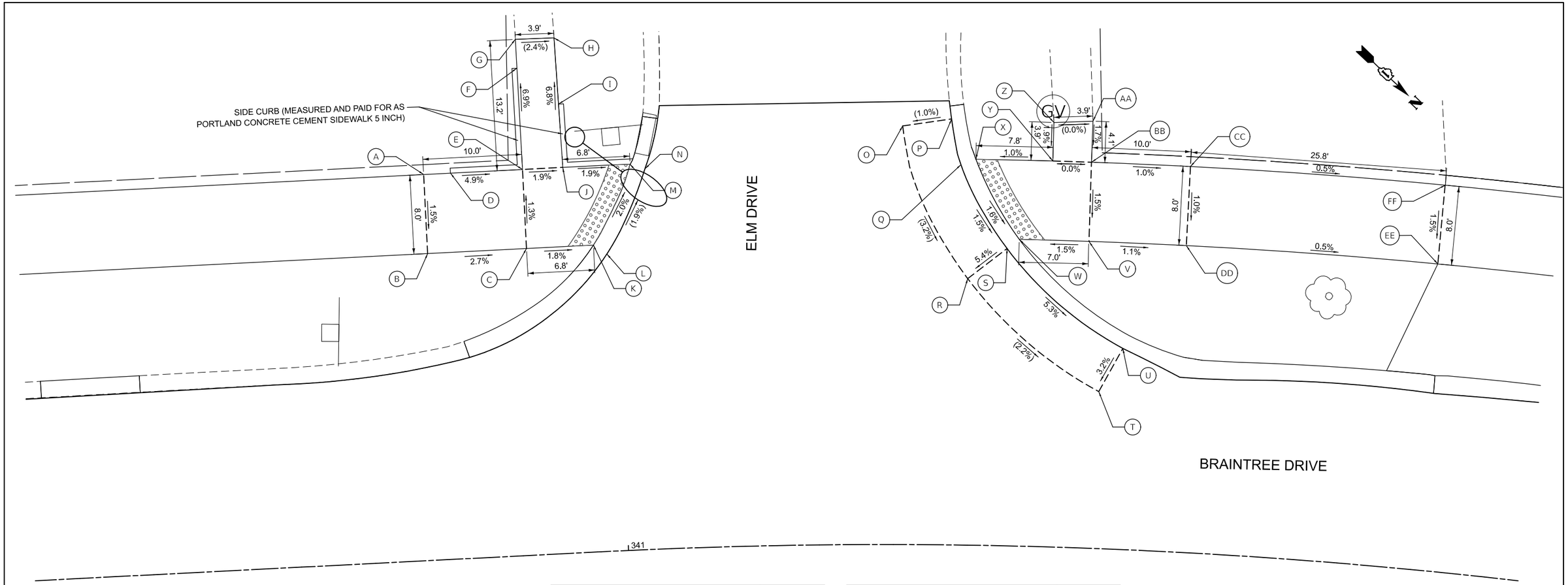
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/TYBURN DRIVE

SCALE: 1"=5' | SHEET 2 OF 12 SHEETS | STA. 329+35.00 TO STA. 330+85.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	55

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



BRAINTREE DRIVE AND ELM DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	340+81.27	39.00' LT	816.53	816.53
B	340+81.27	31.00' LT	816.41	
C	340+91.27	31.00' LT	816.14	
D	340+83.99	39.00' LT	816.40	816.40
E	340+91.27	39.00' LT	816.04	816.54
F	340+91.23	49.25' LT	816.74	816.74
G	340+91.22	52.17' LT	(816.94)	
H	340+95.13	52.12' LT	(816.85)	
I	340+95.24	45.41' LT	816.40	816.40
J	340+95.35	39.00' LT	815.96	816.46
K	340+97.99	31.00' LT	816.01	
L	340+99.24	30.03' LT	(816.02)	
M	341+01.85	39.00' LT	815.83	815.83
N	341+03.21	38.46' LT	(815.84)	
O	341+27.57	42.31' LT	(816.18)	
P	341+32.16	43.05' LT	(816.13)	

BRAINTREE DRIVE AND ELM DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
Q	341+33.10	38.44' LT	816.06	
R	341+33.89	26.94' LT	(815.64)	
S	341+37.62	30.04' LT	815.91	
T	341+46.91	15.86' LT	(815.25)	
U	341+49.10	20.32' LT	(815.09)	
V	341+45.44	31.00' LT	816.01	
W	341+38.76	31.00' LT	815.90	
X	341+34.50	39.00' LT	816.05	
Y	341+41.77	39.00' LT	816.13	
Z	341+41.77	42.90' LT	(816.20)	
AA	341+45.42	43.15' LT	(816.20)	
BB	341+45.42	39.00' LT	816.13	
CC	341+54.77	39.00' LT	816.03	
DD	341+54.77	31.00' LT	815.90	
EE	341+78.91	31.00' LT	815.78	
FF	341+78.91	39.00' LT	815.90	

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-4
FILE NAME: c:\bms\civiltech-pw\justin.great.d0140699\3993-0203-sht-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

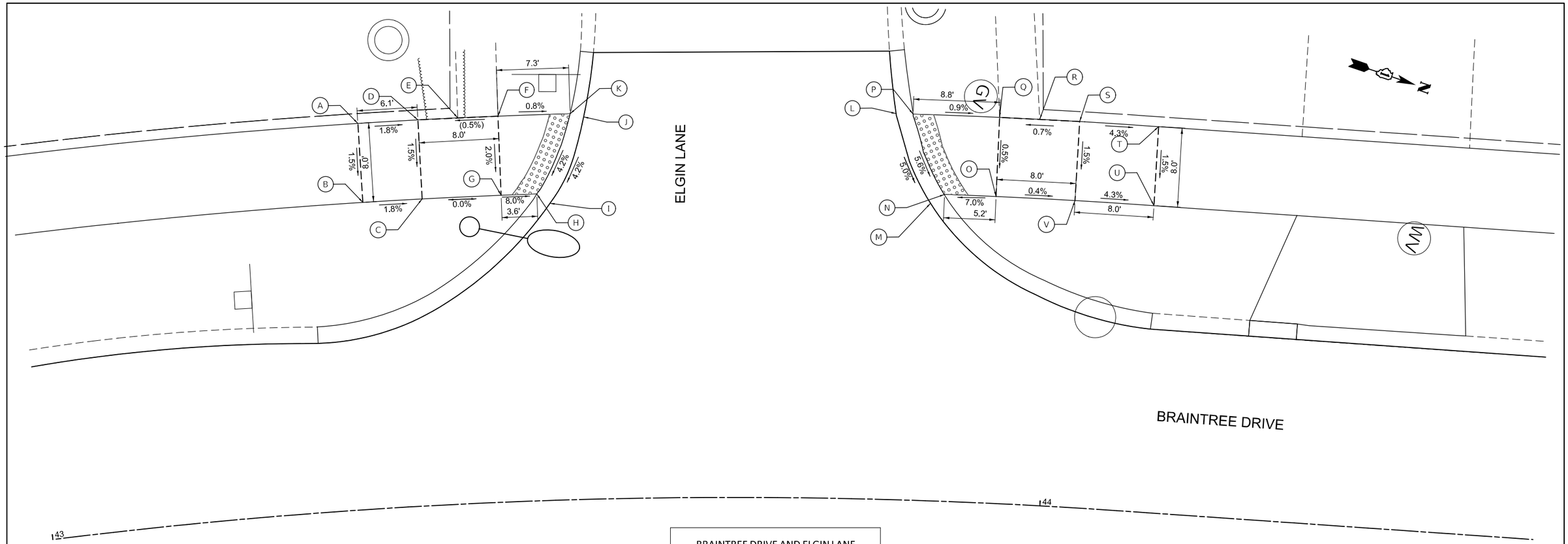
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/ELM DRIVE

SCALE: 1"=5' | SHEET 3 OF 12 SHEETS | STA. 340+40.00 TO STA. 341+90.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	56

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT



BRAINTREE DRIVE AND ELGIN LANE			
	STATION	OFFSET	ELEVATION
A	343+33.47	39.00' LT	816.96
B	343+33.47	31.00' LT	816.84
C	343+39.15	31.00' LT	816.73
D	343+39.15	39.00' LT	816.85
E	343+42.93	39.00' LT	(816.87)
F	343+46.73	39.00' LT	(816.89)
G	343+46.73	31.00' LT	816.73
H	343+50.16	31.00' LT	816.43
I	343+51.39	30.01' LT	816.44
J	343+54.84	38.64' LT	816.84
K	343+53.56	39.00' LT	816.83
L	343+84.38	39.00' LT	816.83
M	343+87.93	30.05' LT	816.34
N	343+89.19	31.00' LT	816.33
O	343+94.18	31.00' LT	816.70
P	343+86.00	39.00' LT	816.82
Q	343+94.18	39.00' LT	(816.74)
R	343+97.98	39.00' LT	(816.77)
S	344+01.76	39.00' LT	816.80
T	344+09.34	39.00' LT	816.46
U	344+09.43	31.00' LT	816.34
V	344+01.76	31.00' LT	816.68

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-5
FILE NAME: c:\bms\ailtech-pw\justin.greaf.d0140699\3983-0203-sht-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

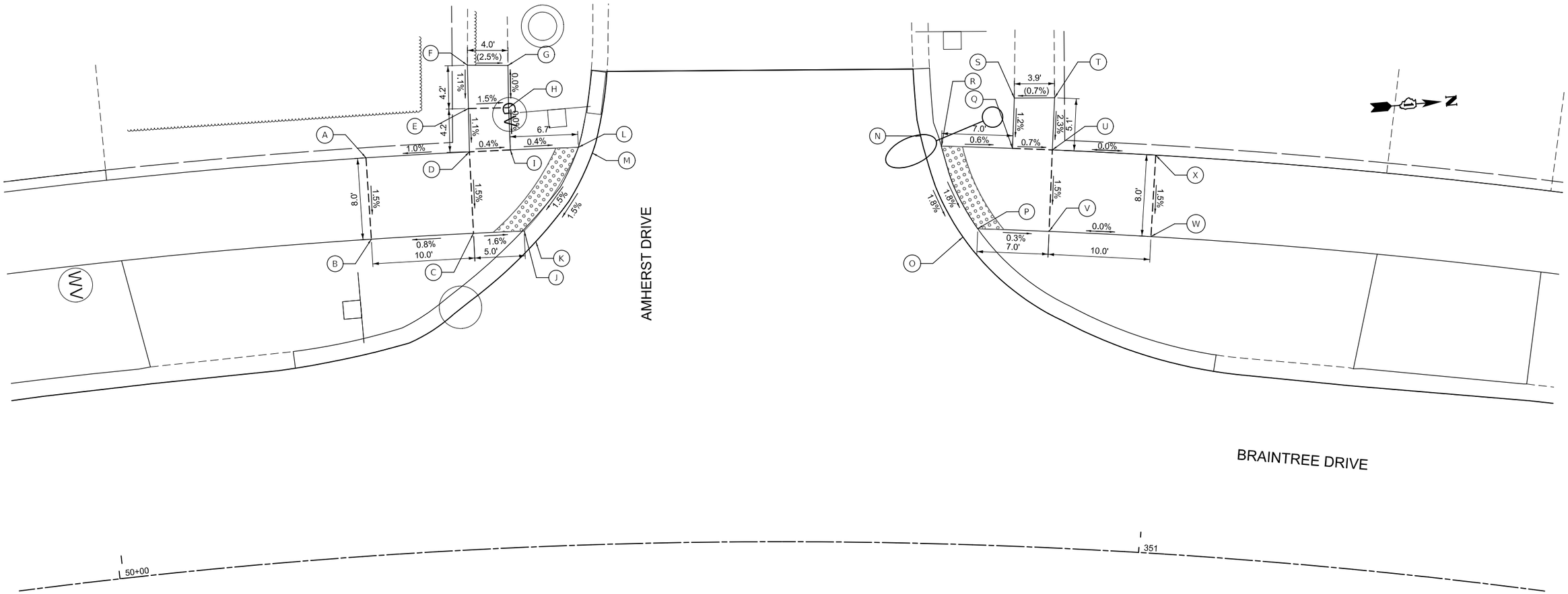
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/ELGIN LANE

SCALE: 1"=5' | SHEET 4 OF 12 SHEETS | STA. 343+00.00 TO STA. 344+50.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	57

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



BRAINTREE DRIVE AND AMHERST DRIVE			
	STATION	OFFSET	ELEVATION
A	350+26.78	39.00' LT	815.75
B	350+26.78	31.00' LT	815.63
C	350+36.31	31.00' LT	815.71
D	350+36.31	39.00' LT	815.83
E	350+36.41	43.25' LT	815.89
F	350+36.51	47.49' LT	(815.92)
G	350+40.18	47.29' LT	(815.82)
H	350+40.13	43.15' LT	815.82
I	350+40.07	39.00' LT	815.82
J	350+41.03	31.00' LT	815.63
K	350+42.07	29.91' LT	815.64
L	350+46.32	39.00' LT	815.79
M	350+47.58	38.39' LT	815.80
N	350+78.12	38.49' LT	815.86
O	350+82.00	29.99' LT	815.69
P	350+83.24	31.00' LT	815.68
Q	350+86.20	39.00' LT	815.81

BRAINTREE DRIVE AND AMHERST DRIVE			
	STATION	OFFSET	ELEVATION
R	350+79.67	39.00' LT	815.85
S	350+86.20	43.94' LT	(815.87)
T	350+89.86	44.12' LT	(815.90)
U	350+89.91	39.00' LT	815.78
V	350+89.88	31.00' LT	815.66
W	350+99.38	31.00' LT	815.66
X	350+99.38	39.00' LT	815.78

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-6
FILE NAME: c:\bms\dvlltech-pw\justh.greall.d1406993993-t203-sht-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

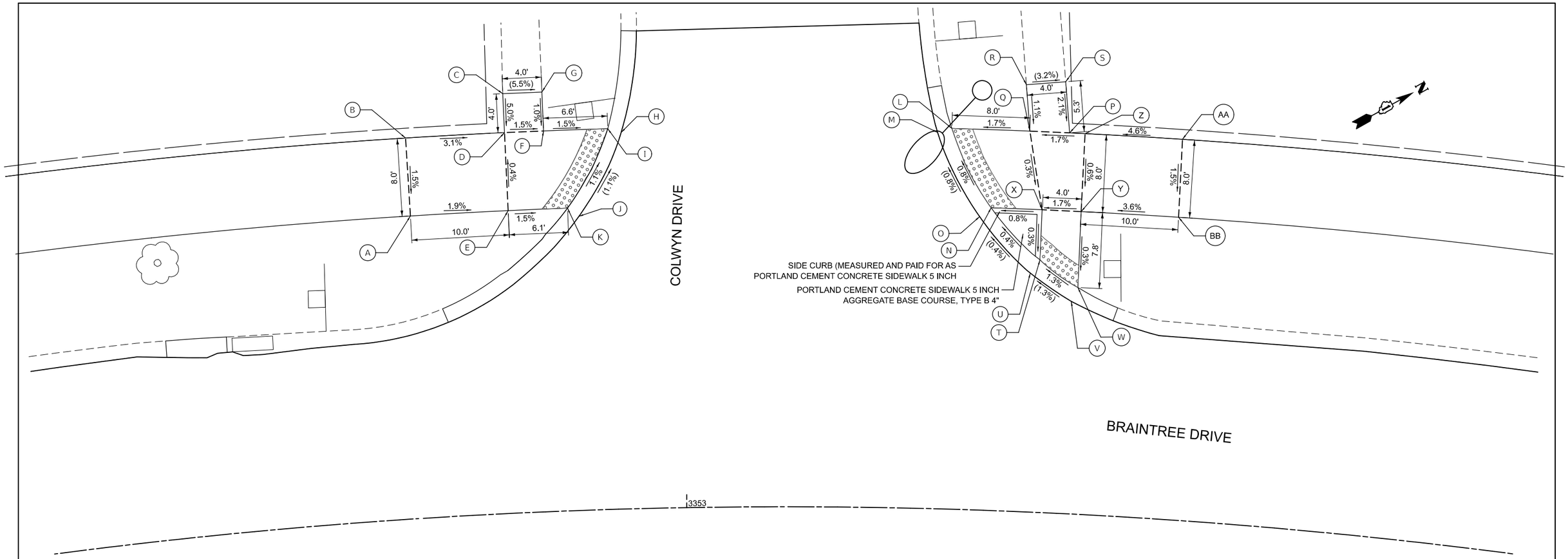
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/AMHERST DRIVE

SCALE: 1"=5' | SHEET 5 OF 12 SHEETS | STA. 349+90.00 TO STA. 351+40.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	58

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



BRAINTREE DRIVE AND COLWYN DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	352+73.62	31.00' LT	814..97	
B	352+73.59	39.00' LT	815.09	
C	352+83.12	43.00' LT	(814.97)	
D	352+83.12	39.00' LT	814.77	
E	352+83.12	31.00' LT	814.80	
F	352+86.86	39.00' LT	814.71	
G	352+86.86	42.99' LT	(814.75)	
H	352+94.30	38.57' LT	(814.62)	
I	352+93.03	39.00' LT	814.61	
J	352+89.97	30.11' LT	(814.72)	
K	352+88.89	31.00' LT	814.71	
L	353+26.09	39.00' LT	814.72	
M	353+24.72	38.55' LT	(814.73)	
N	353+30.12	31.00' LT	814.79	815.24
O	353+29.01	30.08' LT	(814.80)	

BRAINTREE DRIVE AND COLWYN DRIVE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
P	353+37.40	39.00' LT	814.93	
Q	353+33.58	39.00' LT	814.86	
R	353+33.07	43.73' LT	(814.91)	
S	353+36.80	44.21' LT	(815.04)	
T	353+35.09	25.85' LT	814.82	815.27
U	353+34.19	24.47' LT	(814.83)	
V	353+38.34	21.78' LT	(814.90)	
W	353+38.93	23.22' LT	814.89	
X	353+35.08	31.00' LT	814.84	814.84
Y	353+38.88	31.00' LT	814.91	
Z	353+38.88	39.00' LT	814.96	
AA	353+48.25	39.00' LT	815.39	
BB	353+48.38	31.00' LT	815.27	

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-7
FILE NAME: c:\bms\cdvltech-pw\justin.greald\0140699\3993-0203-sht-curb ramps.dgn

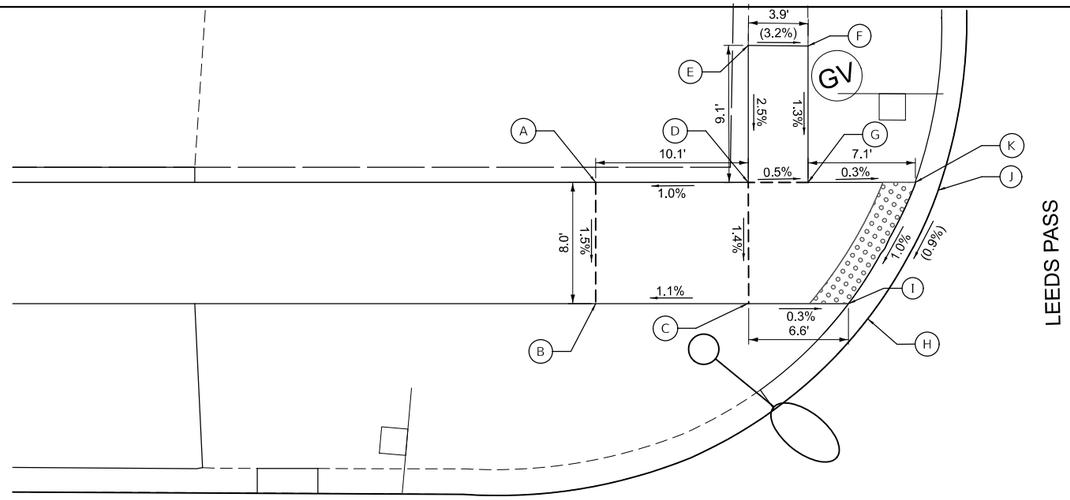
USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

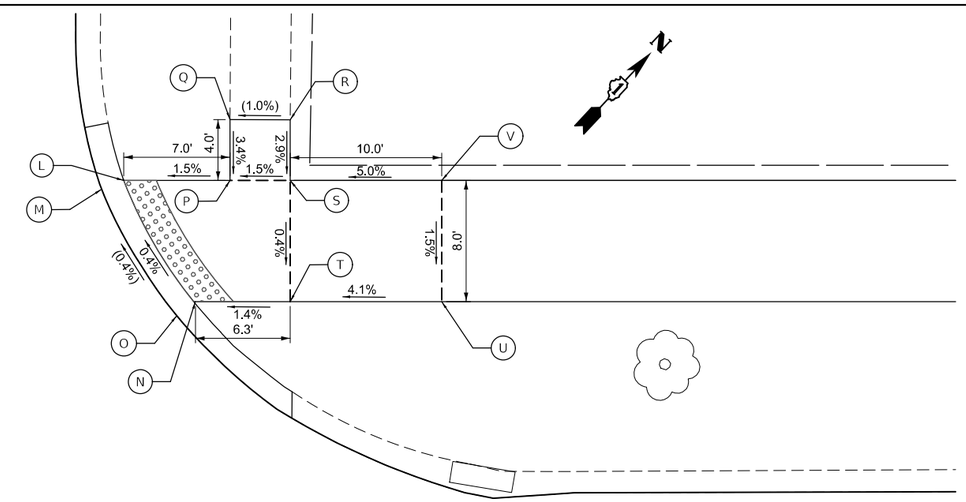
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/COLWYN DRIVE

SCALE: 1"=5' | SHEET 6 OF 12 SHEETS | STA. 352+35.00 TO STA. 353+85.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	59
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		





356

357

BRAINTREE DRIVE AND LEEDS PASS			
	STATION	OFFSET	ELEVATION
A	356+23.47	39.00' LT	817.24
B	356+23.47	31.00' LT	817.12
C	356+33.47	31.00' LT	817.23
D	356+33.47	39.00' LT	817.34
E	356+33.53	48.05' LT	(817.57)
F	356+37.48	48.00' LT	(817.44)
G	356+37.50	39.00' LT	817.32
H	356+41.42	30.01' LT	(817.22)
I	356+40.15	31.00' LT	817.21
J	356+46.08	38.50' LT	(817.31)
K	356+44.56	39.00' LT	817.30
L	356+80.09	39.00' LT	817.54
M	356+78.63	38.42' LT	(817.55)
N	356+84.71	30.98' LT	817.58
O	356+83.59	30.08' LT	(817.59)
P	356+87.11	39.00' LT	817.65
Q	356+87.11	43.02' LT	(817.78)
R	356+91.08	43.00' LT	(817.82)
S	356+91.08	39.00' LT	817.71
T	356+91.08	31.00' LT	817.67
U	357+01.08	31.00' LT	818.08
V	357+01.08	39.00' LT	818.20

0 5 10 15
SCALE IN FEET

MODEL: Sht - CurbRamp-8
FILE NAME: c:\bms\willech-pw\justh.great\d0140699\3993-0203-sht-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/LEEDS PASS

SCALE: 1"=5' | SHEET 7 OF 12 SHEETS | STA. 355+85.00 TO STA. 357+35.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	60

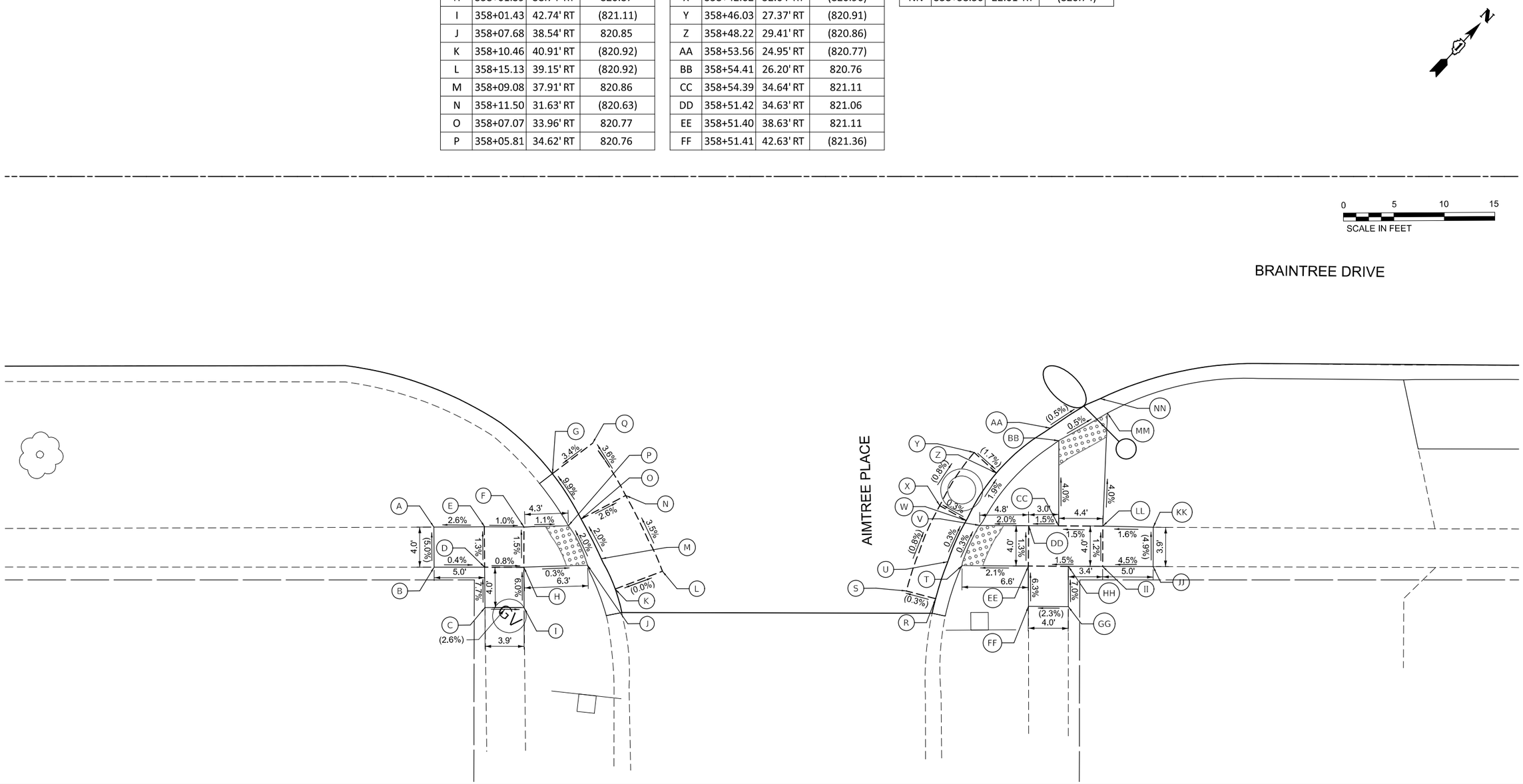
CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

BRAINTREE DRIVE AND AIMTREE PLACE			
	STATION	OFFSET	ELEVATION
A	357+92.49	34.77' RT	(820.72)
B	357+92.50	38.74' RT	(820.92)
C	357+97.55	42.74' RT	(821.21)
D	357+97.50	38.74' RT	820.90
E	357+97.52	34.74' RT	820.85
F	358+01.41	34.76' RT	820.81
G	358+04.23	29.46' RT	(820.24)
H	358+01.39	38.74' RT	820.87
I	358+01.43	42.74' RT	(821.11)
J	358+07.68	38.54' RT	820.85
K	358+10.46	40.91' RT	(820.92)
L	358+15.13	39.15' RT	(820.92)
M	358+09.08	37.91' RT	820.86
N	358+11.50	31.63' RT	(820.63)
O	358+07.07	33.96' RT	820.77
P	358+05.81	34.62' RT	820.76

BRAINTREE DRIVE AND AIMTREE PLACE			
	STATION	OFFSET	ELEVATION
Q	358+08.21	26.45' RT	(820.41)
R	358+42.20	41.86' RT	(821.05)
S	358+39.30	41.10' RT	(821.04)
T	358+44.83	38.59' RT	820.97
U	358+43.44	38.10' RT	820.98
V	358+46.58	34.60' RT	820.96
W	358+45.23	34.11' RT	820.97
X	358+42.62	32.64' RT	(820.96)
Y	358+46.03	27.37' RT	(820.91)
Z	358+48.22	29.41' RT	(820.86)
AA	358+53.56	24.95' RT	(820.77)
BB	358+54.41	26.20' RT	820.76
CC	358+54.39	34.64' RT	821.11
DD	358+51.42	34.63' RT	821.06
EE	358+51.40	38.63' RT	821.11
FF	358+51.41	42.63' RT	(821.36)

BRAINTREE DRIVE AND AIMTREE PLACE			
	STATION	OFFSET	ELEVATION
GG	358+55.36	42.65' RT	(821.45)
HH	358+55.36	38.65' RT	821.17
II	358+58.76	38.66' RT	821.22
JJ	358+63.76	38.68' RT	(821.44)
KK	358+63.77	34.79' RT	(821.25)
LL	358+58.77	34.66' RT	821.17
MM	358+59.23	23.46' RT	820.73
NN	358+58.56	22.01' RT	(820.74)



MODEL: Sht - CurbRamp-9
FILE NAME: c:\bms\civiltech-pw\justin.great\d0140699\3993-0203-sht-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - E BRAINTREE DRIVE/AIMTREE PLACE

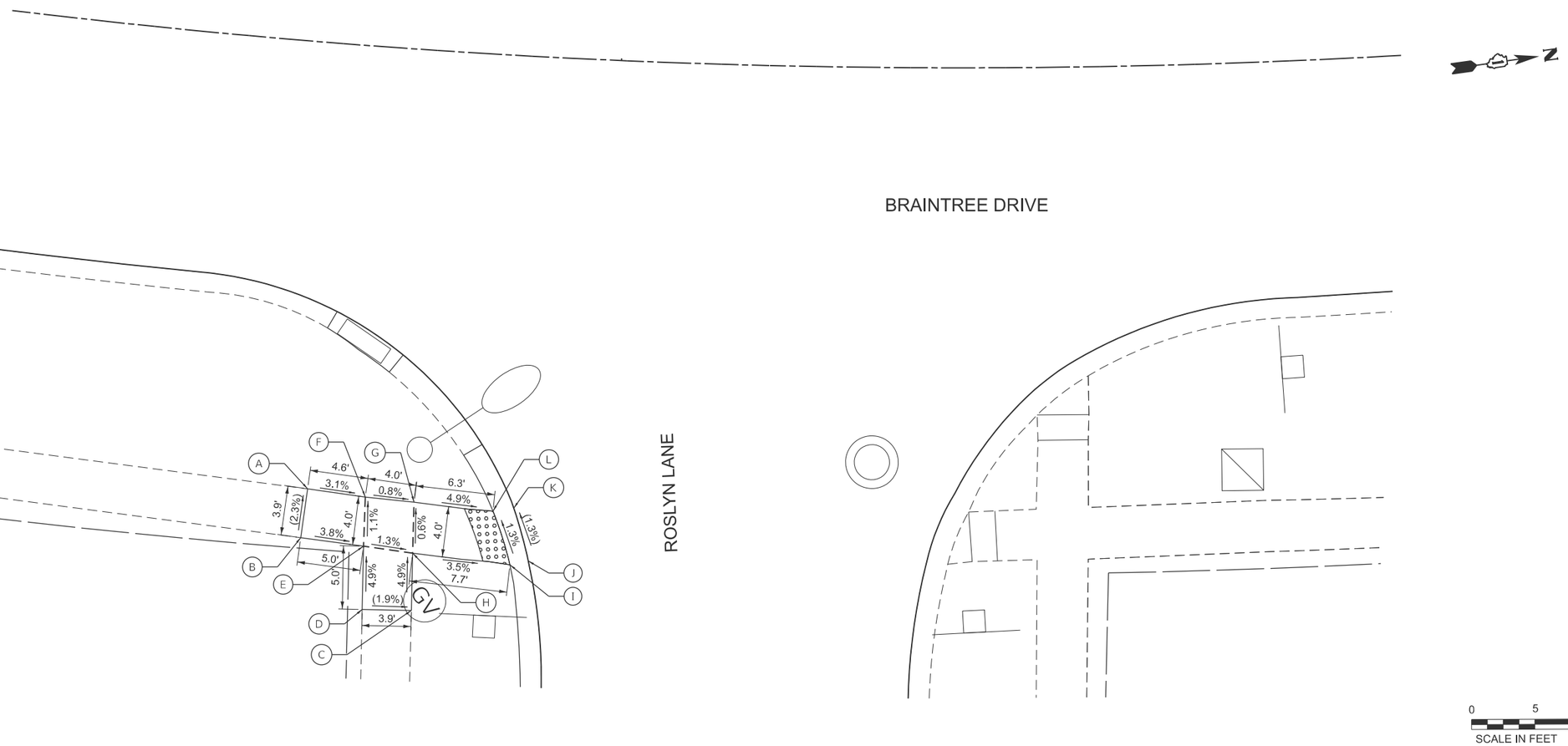
SCALE: 1"=5' | SHEET 8 OF 12 SHEETS | STA. 357+50.00 TO STA. 359+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	61

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

BRAINTREE DRIVE AND ROSLYN LANE			
	STATION	OFFSET	ELEVATION
A	360+77.94	35.28' RT	(819.73)
B	360+77.71	39.17' RT	(819.82)
C	360+86.27	44.28' RT	(819.80)
D	360+82.65	44.46' RT	(819.88)
E	360+82.41	39.47' RT	819.63
F	360+82.29	35.59' RT	819.59
G	350+85.94	35.73' RT	819.56
H	360+86.08	39.75' RT	819.58
I	360+93.34	40.21' RT	819.31
J	360+94.68	39.83' RT	(819.32)
K	360+93.29	35.45' RT	(819.26)
L	360+91.86	36.06' RT	819.25



MODEL: Plan 13 - Plan 13 [Sheet]
FILE NAME: c:\bms\dwltech-pw\justin.great.d0140699\3993-0203-shi-curb ramps.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

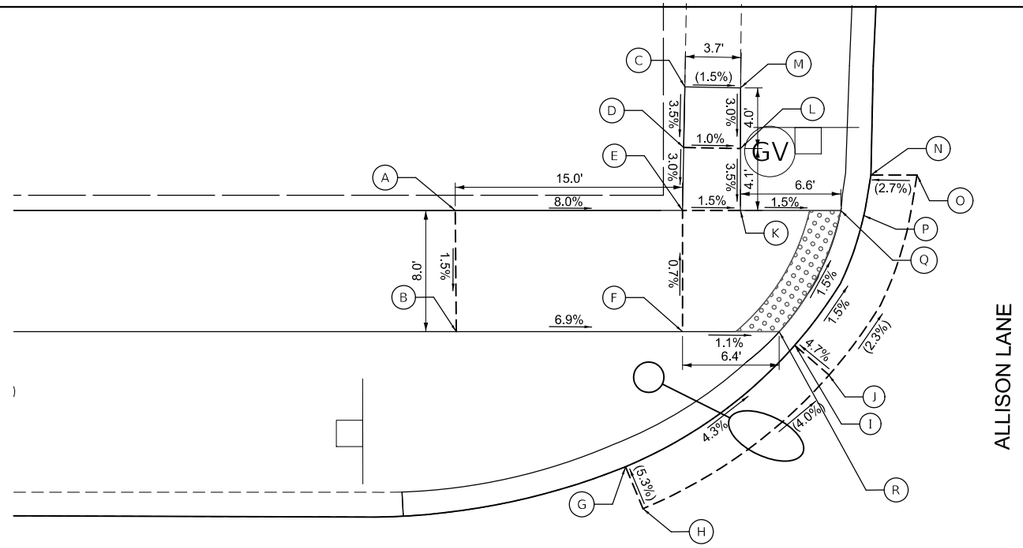
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - SE BRAINTREE DRIVE/ROSLYN LANE

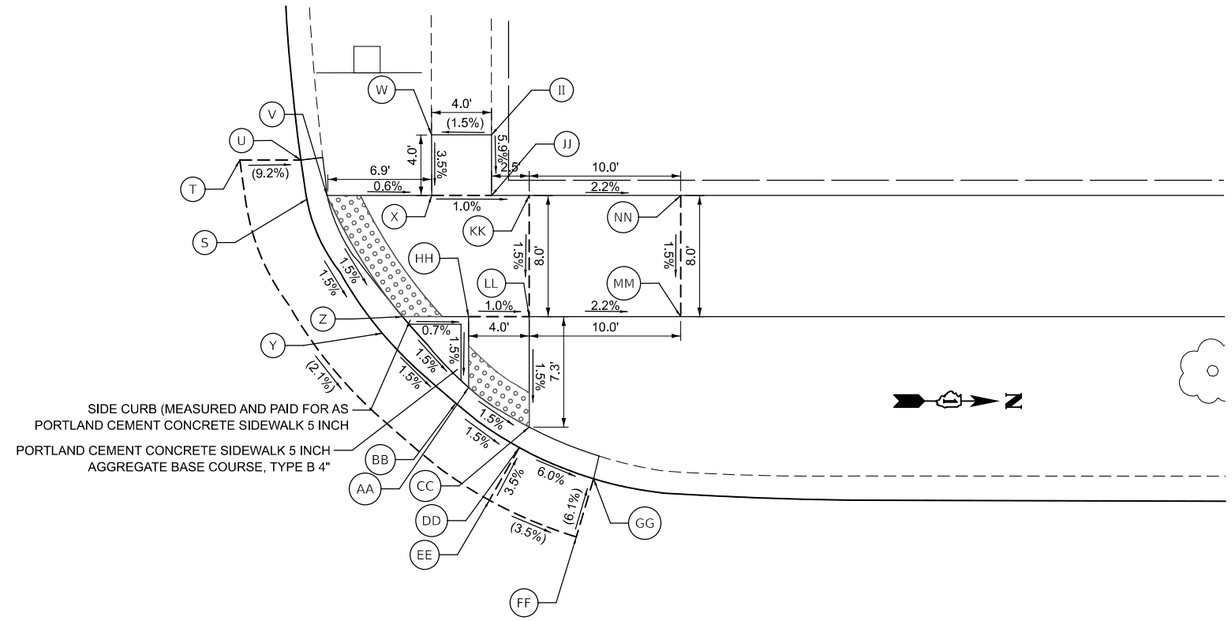
SCALE: 1"=5' | SHEET 9 OF 12 SHEETS | STA. 360+51.71 TO STA. 362+01.71

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	62

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





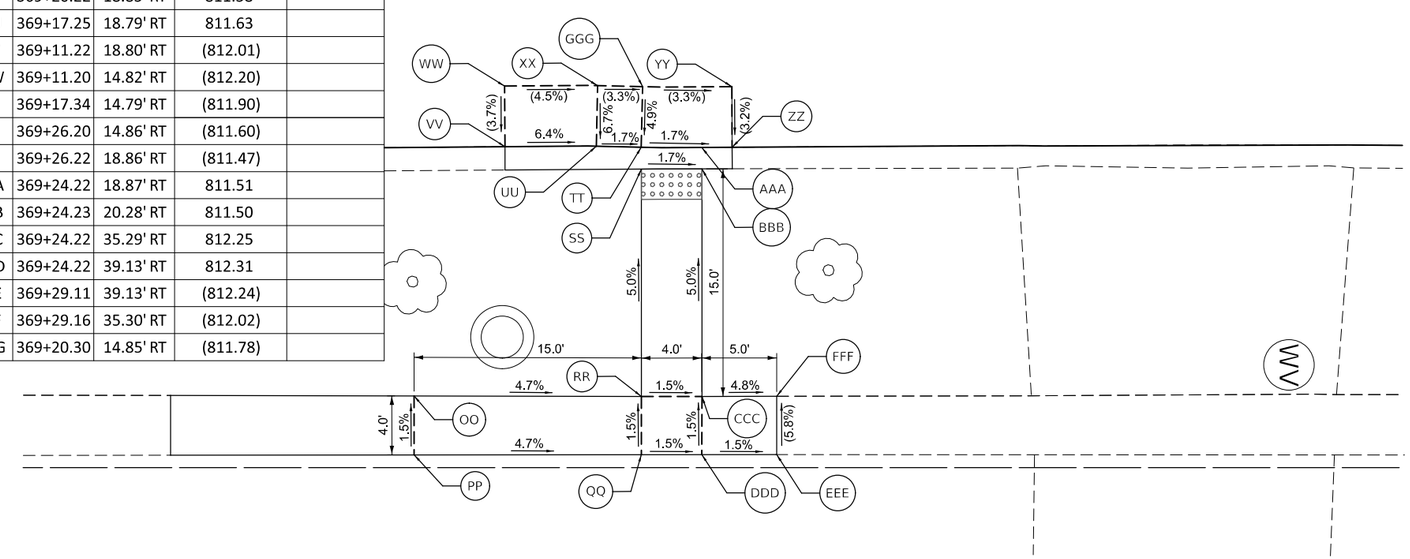
369

BRAINTREE DRIVE AND ALLISON LANE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	368+49.15	39.00' LT	814.51	
B	368+49.21	31.00' LT	814.39	
C	368+64.29	47.16' LT	(813.57)	
D	368+64.22	43.16' LT	813.43	
E	368+64.15	39.00' LT	813.31	
F	368+64.15	31.00' LT	813.36	
G	368+60.38	22.09' LT	(813.89)	
H	368+61.53	19.32' LT	(814.05)	
I	368+71.55	30.11' LT	813.30	
J	368+73.81	28.14' LT	(813.44)	
K	368+67.97	39.10' LT	813.25	
L	368+67.97	43.10' LT	813.39	
M	368+67.97	47.10' LT	(813.51)	
N	368+76.58	41.33' LT	(813.11)	
O	368+79.62	41.34' LT	(813.19)	
P	368+76.11	38.67' LT	813.15	
Q	368+74.59	39.00' LT	813.16	
R	368+70.53	31.00' LT	813.29	
S	369+09.57	38.76' LT	811.98	
T	369+05.14	41.34' LT	(812.39)	
U	369+09.18	41.34' LT	(812.02)	
V	369+10.90	39.00' LT	811.97	

BRAINTREE DRIVE AND ALLISON LANE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
W	369+17.79	43.00' LT	(812.07)	
X	369+17.80	39.00' LT	811.93	
Y	369+14.55	29.91' LT	811.83	812.27
Z	369+15.87	31.00' LT	811.82	
AA	369+20.24	26.33' LT	811.72	812.17
BB	369+19.40	25.30' LT	811.73	
CC	369+24.24	23.72' LT	811.63	
DD	369+23.59	22.37' LT	811.64	
EE	369+21.62	18.89' LT	(811.78)	
FF	369+27.36	16.48' LT	(811.57)	
GG	369+28.48	20.31' LT	(811.32)	
HH	369+20.24	31.00' LT	811.79	811.79
II	369+21.75	43.00' LT	811.89	
JJ	369+21.75	39.00' LT	(812.13)	
KK	369+24.24	39.00' LT	811.87	
LL	369+24.24	31.00' LT	811.75	
MM	369+34.24	31.00' LT	811.53	
NN	369+34.24	39.00' LT	811.65	
OO	369+05.22	35.26' RT	813.02	
PP	369+05.23	39.15' RT	813.08	
QQ	369+20.23	39.12' RT	812.37	
RR	369+20.22	35.29' RT	812.31	

BRAINTREE DRIVE AND ALLISON LANE				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
SS	369+20.23	20.30' RT	811.57	
TT	369+20.22	18.85' RT	811.58	
UU	369+17.25	18.79' RT	811.63	
VV	369+11.22	18.80' RT	(812.01)	
WW	369+11.20	14.82' RT	(812.20)	
XX	369+17.34	14.79' RT	(811.90)	
YY	369+26.20	14.86' RT	(811.60)	
ZZ	369+26.22	18.86' RT	(811.47)	
AAA	369+24.22	18.87' RT	811.51	
BBB	369+24.23	20.28' RT	811.50	
CCC	369+24.22	35.29' RT	812.25	
DDD	369+24.22	39.13' RT	812.31	
EEE	369+29.11	39.13' RT	(812.24)	
FFF	369+29.16	35.30' RT	(812.02)	
GGG	369+20.30	14.85' RT	(811.78)	

0 5 10 15
SCALE IN FEET



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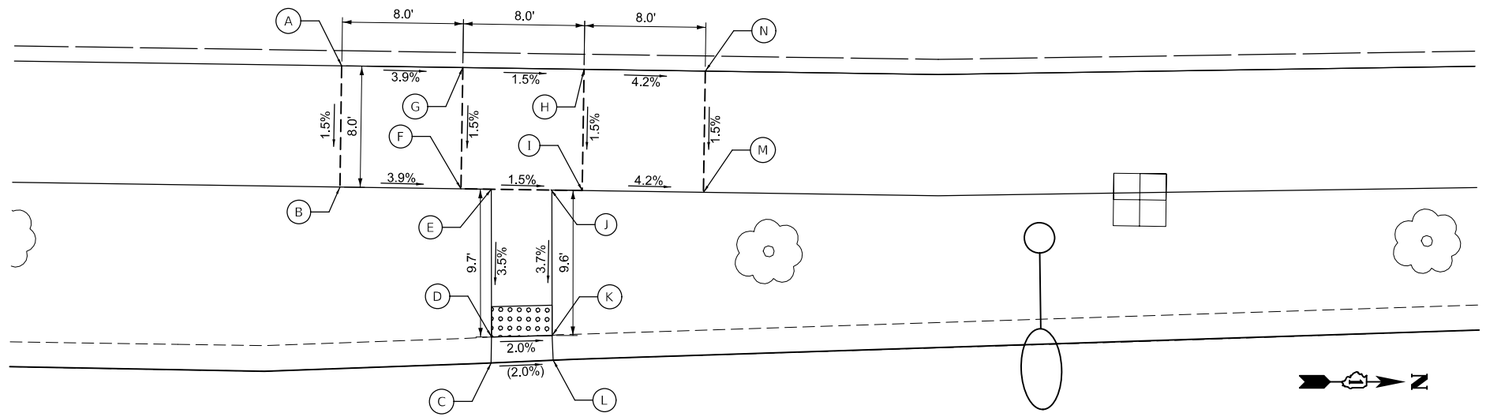
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/ALLISON LANE

SCALE: 1"=5' | SHEET 10 OF 12 SHEETS | STA. 368+20.00 TO STA. 369+70.00

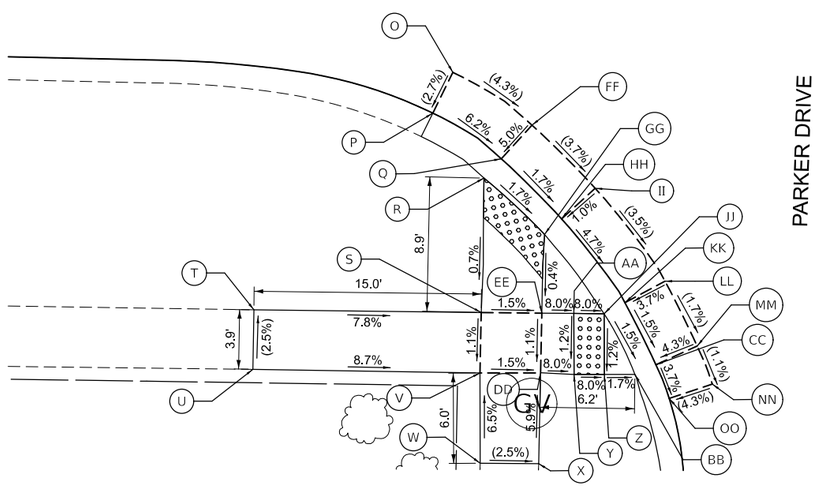
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	63
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



BRAINTREE DRIVE

0 5 10 15
SCALE IN FEET

370+00



BRAINTREE DRIVE AND PARKER DRIVE			
	STATION	OFFSET	ELEVATION
A	369+91.61	39.00' LT	809.57
B	369+91.61	31.00' LT	809.45
C	370+01.76	19.53' LT	(808.78)
D	370+01.76	21.26' LT	808.77
E	370+01.61	31.00' LT	809.11
F	369+99.61	31.00' LT	809.14
G	369+99.61	39.00' LT	809.26
H	370+07.61	39.00' LT	809.14
I	370+07.61	31.00' LT	809.02
J	370+05.64	31.00' LT	809.05
K	370+05.78	21.40' LT	808.69
L	370+05.85	19.78' LT	(808.70)
M	370+15.61	31.00' RT	808.68
N	370+15.61	39.00' RT	808.80
O	369+99.61	19.33' RT	(808.79)
P	369+98.32	22.04' RT	(808.71)
Q	370+02.88	24.98' RT	808.37
R	370+01.76	26.27' RT	808.36
S	370+01.71	35.14' RT	808.30
T	369+97.71	35.16' RT	(809.51)
U	369+97.69	39.11' RT	(809.61)

BRAINTREE DRIVE AND PARKER DRIVE			
	STATION	OFFSET	ELEVATION
V	370+01.68	39.17' RT	808.26
W	370+01.78	45.08' RT	(808.65)
X	370+05.64	45.06' RT	(808.55)
Y	370+07.89	39.13' RT	808.00
Z	370+09.89	39.10' RT	807.84
AA	370+07.82	35.11' RT	808.07
BB	370+11.91	39.07' RT	807.81
CC	370+13.28	38.43' RT	807.82
DD	370+05.68	39.06' RT	808.20
EE	370+05.70	35.13' RT	808.24
FF	370+04.87	22.73' RT	(808.52)
GG	370+05.81	29.93' RT	808.26
HH	370+06.91	28.89' RT	808.27
II	370+09.11	26.84' RT	(808.30)
JJ	370+09.82	35.11' RT	807.91
KK	370+11.18	34.35' RT	807.92
LL	370+13.80	32.90' RT	(808.03)
MM	370+15.99	37.14' RT	(807.95)
NN	370+14.19	39.64' RT	(807.92)
OO	370+14.19	40.63' RT	(807.79)

MODEL: PrCt0203 - CurbRamp-11 [Sheet]
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USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

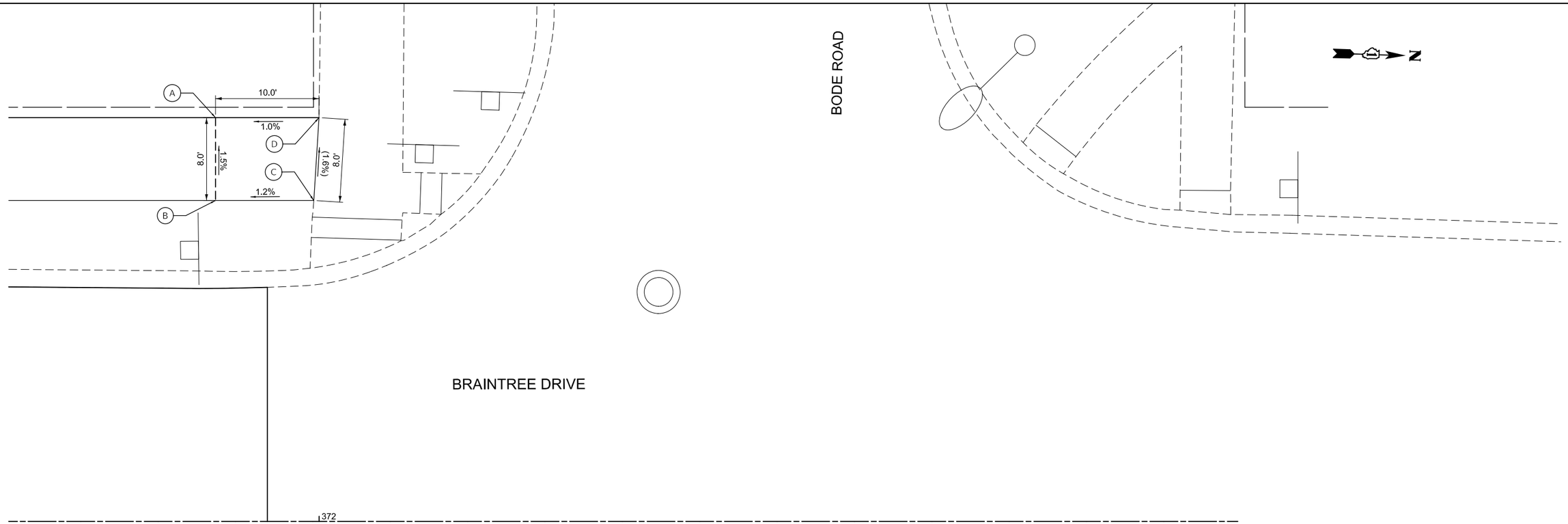
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/PARKER DRIVE

SCALE: 1"=5' | SHEET 11 OF 12 SHEETS | STA. 369+55.00 TO STA. 371+05.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	64

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



0 5 10 15
SCALE IN FEET

BRAINTREE DRIVE AND BODE ROAD			
	STATION	OFFSET	ELEVATION
A	371+89.98	39.00' LT	807.76
B	371+89.98	31.00' LT	807.88
C	371+99.47	31.00' LT	(807.99)
D	371+99.98	39.00' LT	(807.86)

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

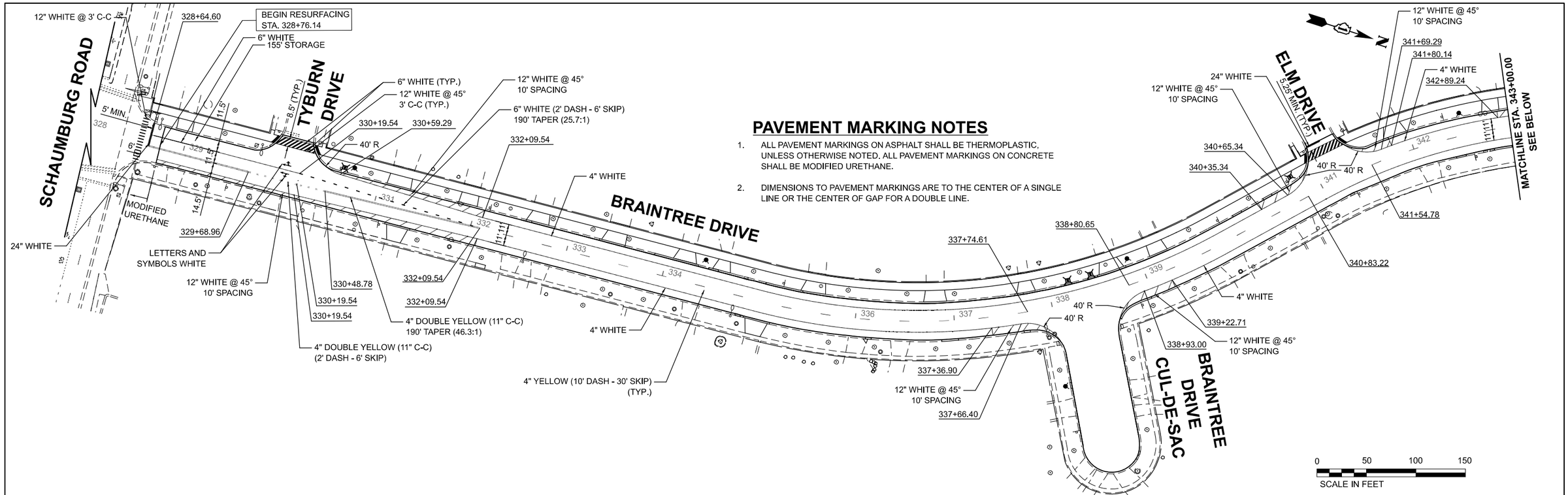
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CURB RAMP GRADING DETAIL - W BRAINTREE DRIVE/BODE ROAD

SCALE: 1"=5' | SHEET 12 OF 12 SHEETS | STA. 371+70.00 TO STA. 373+20.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	65

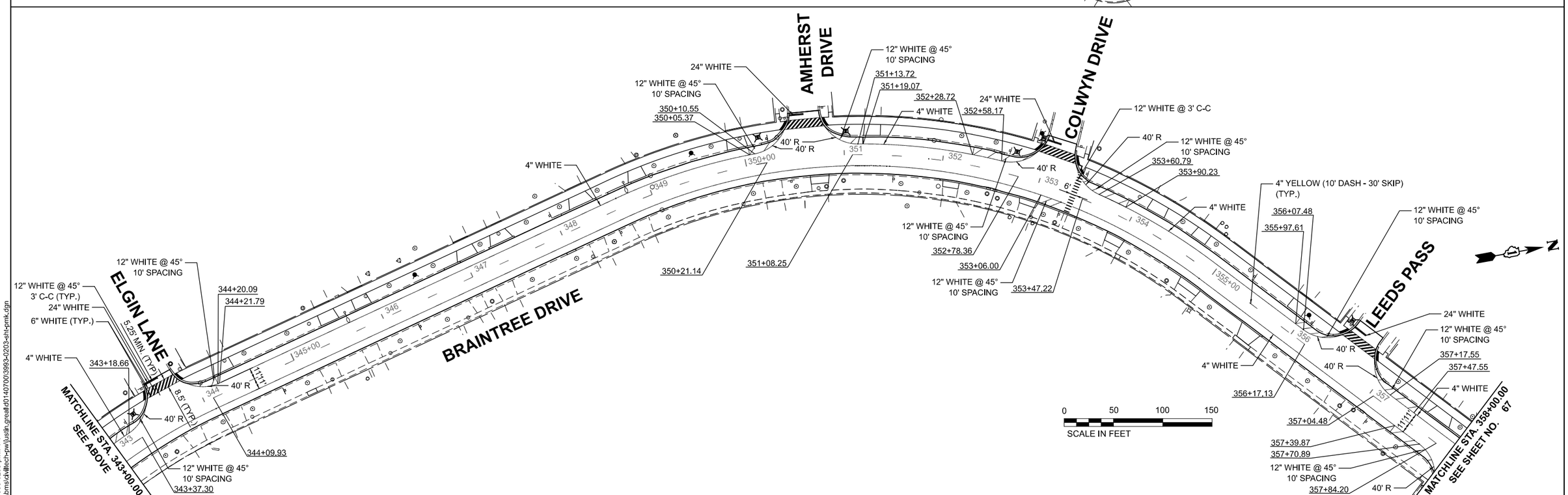
CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



PAVEMENT MARKING NOTES

1. ALL PAVEMENT MARKINGS ON ASPHALT SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED. ALL PAVEMENT MARKINGS ON CONCRETE SHALL BE MODIFIED URETHANE.
2. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.



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	DRAWN - JRR	REVISED -	
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

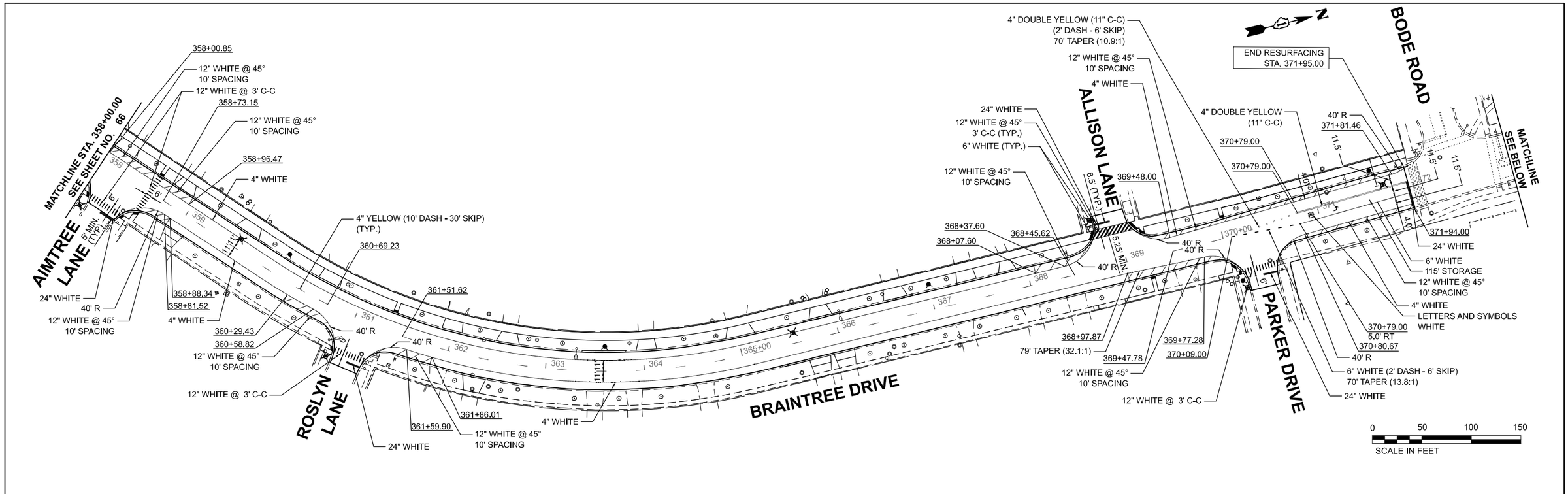
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PAVEMENT MARKING PLANS

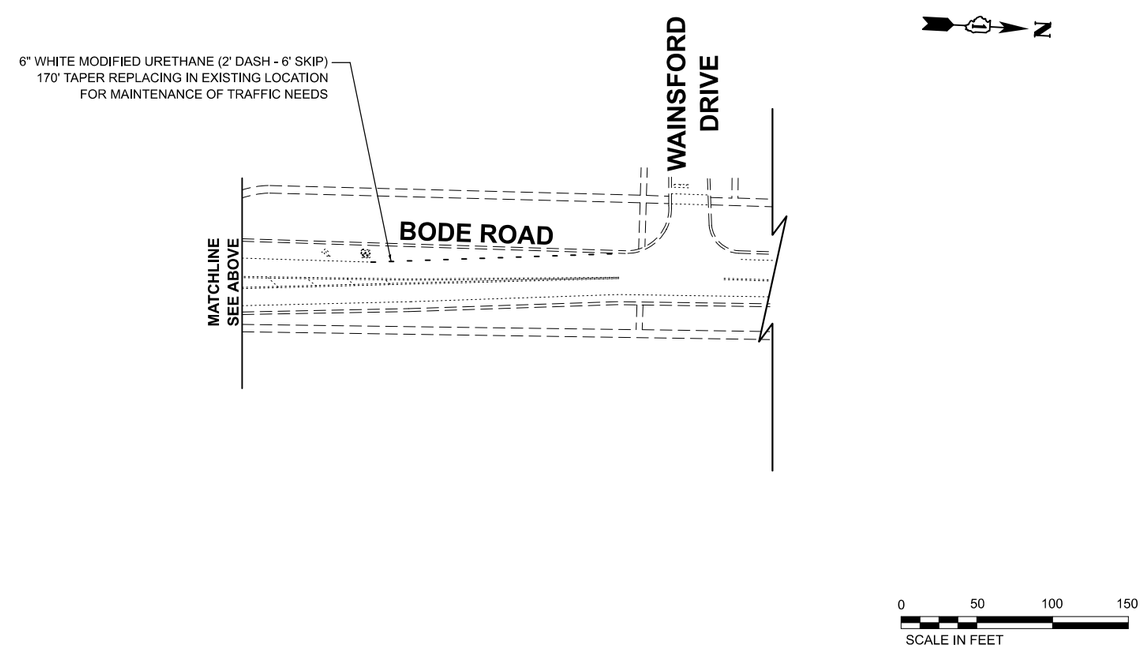
SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 328+00.00 TO STA. 358+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	66

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





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USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/10/2025	DATE - 11/11/2025	REVISED -	

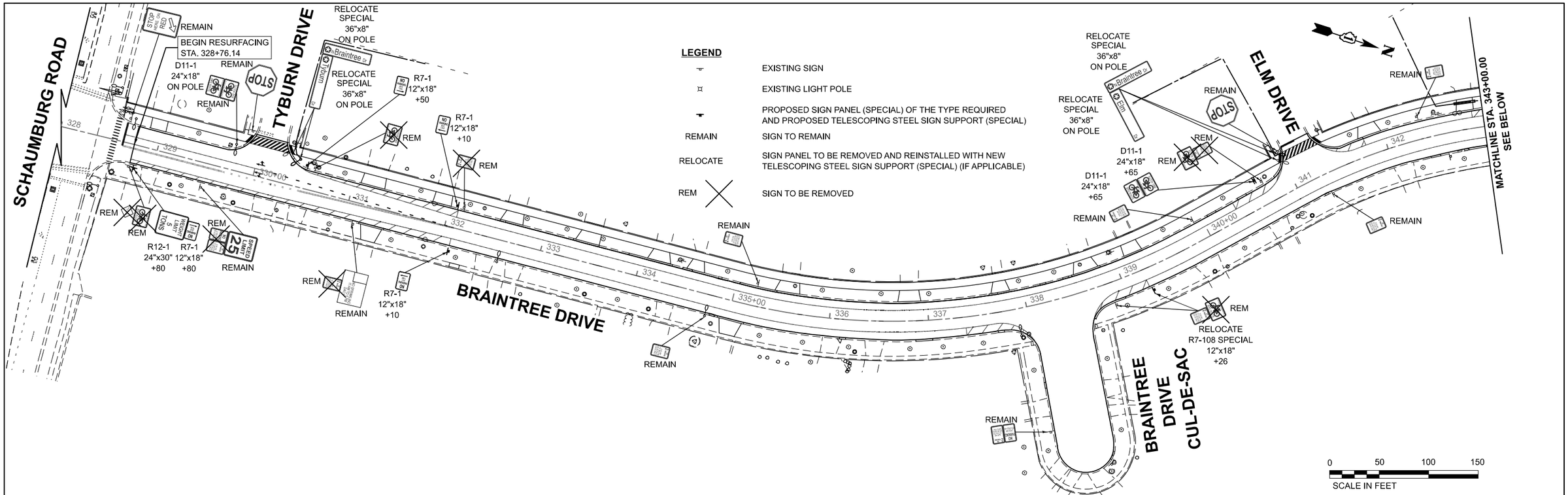
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PAVEMENT MARKING PLANS

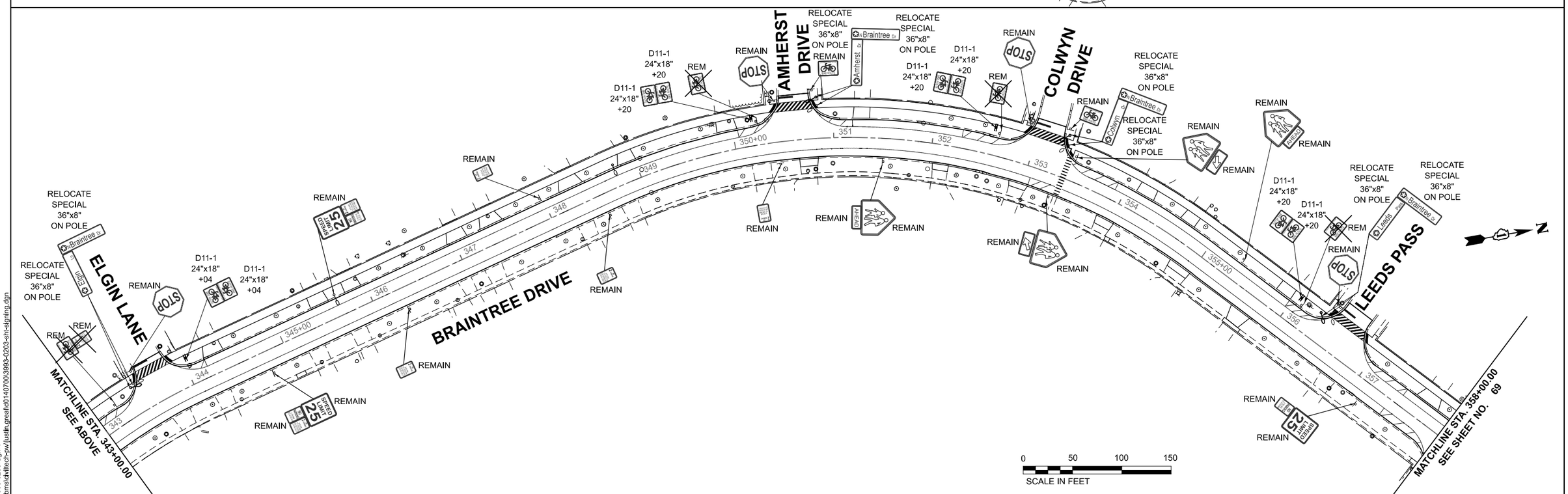
SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 358+00.00 TO STA. 373+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	67

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT





USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
SIGNING PLAN

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 328+76.14 TO STA. 358+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	68
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		

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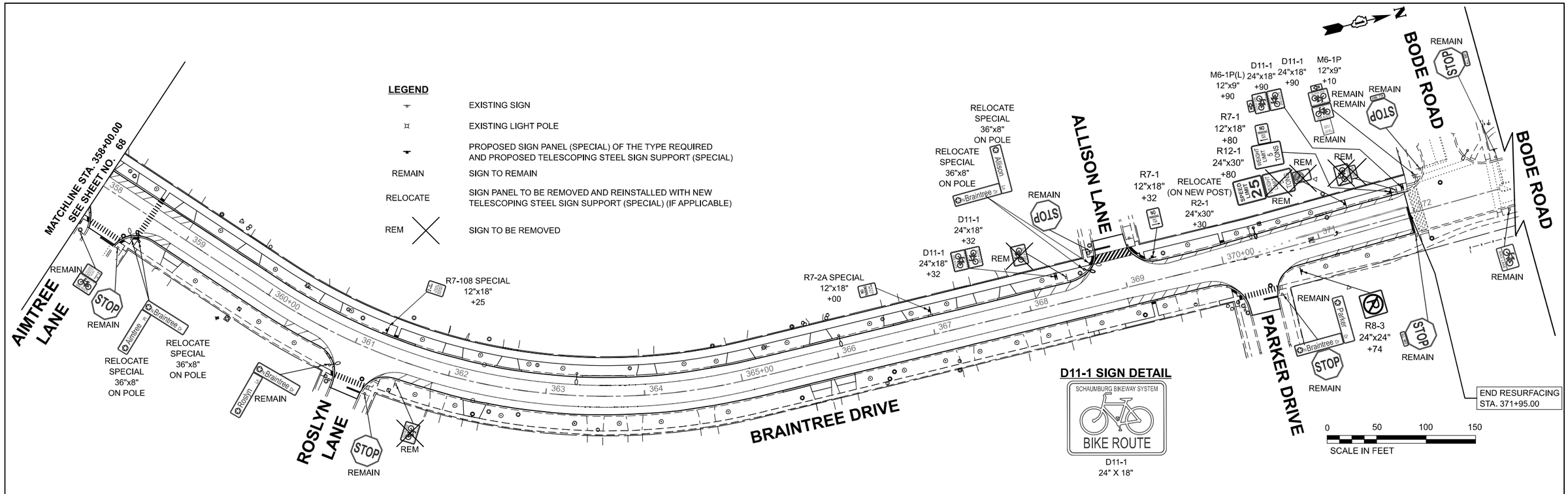

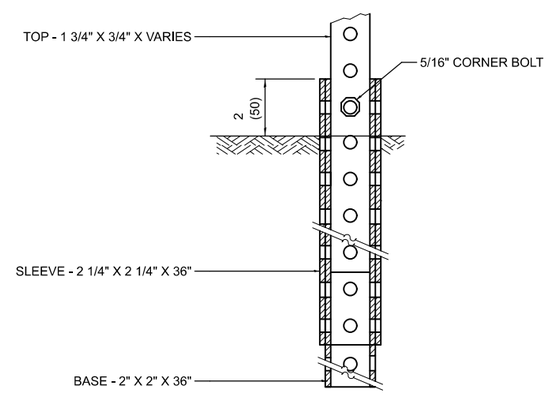

TELESCOPING STEEL SIGN SUPPORT (SPECIAL) MOUNT DETAIL

MODEL: Sht - 3993-0203-Sgn-3
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USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/8/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
SIGNING PLAN

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 358+00.00 TO STA. 371+95.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	69

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G P	R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G P RB	R Y G Y G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	70
	TS–05	CONTRACT NO.61M28		
		ILLINOIS	FED. AID PROJECT	

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LOOP DETECTOR NOTES

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

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

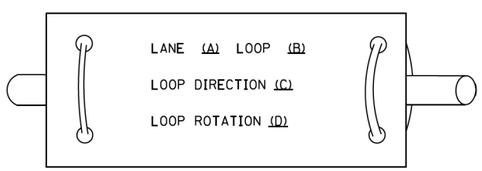
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

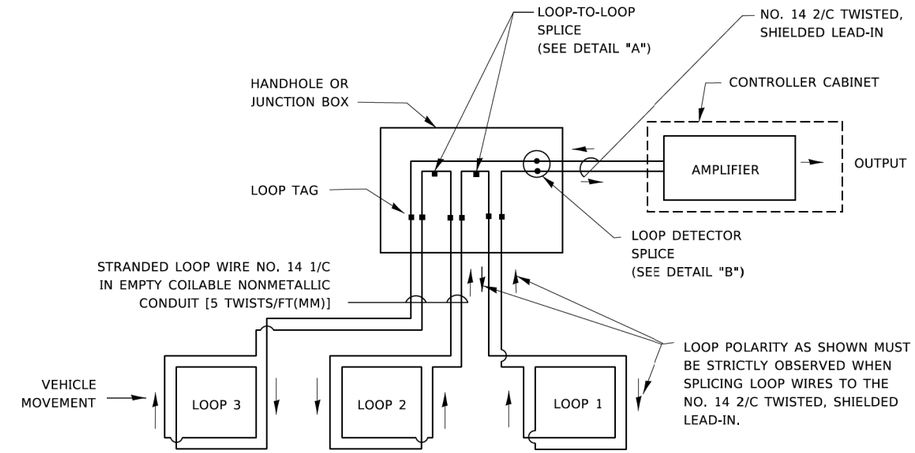


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

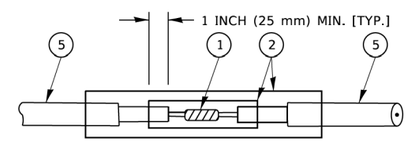
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

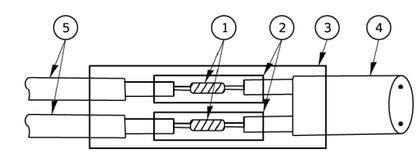


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

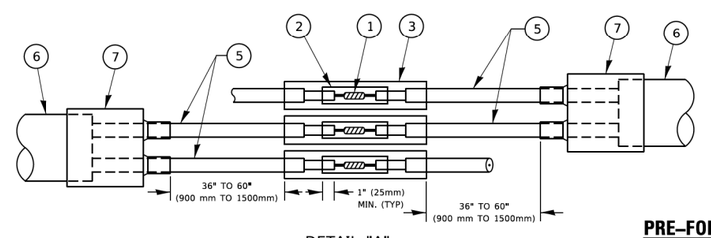


DETAIL "A"
LOOP-TO-LOOP SPLICE



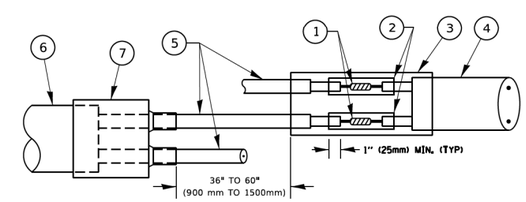
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



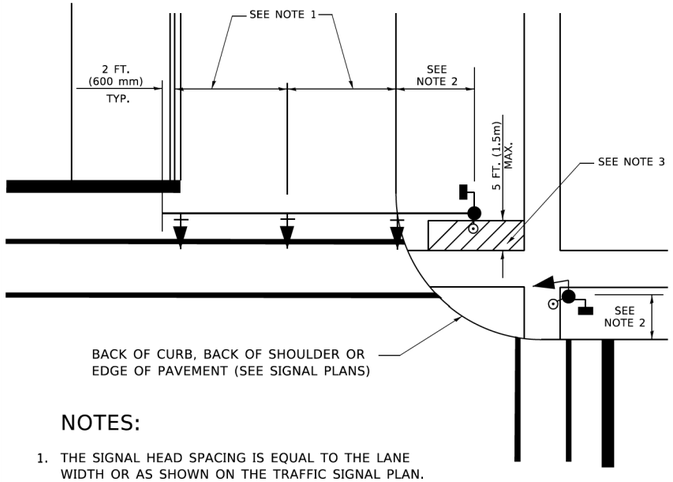
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

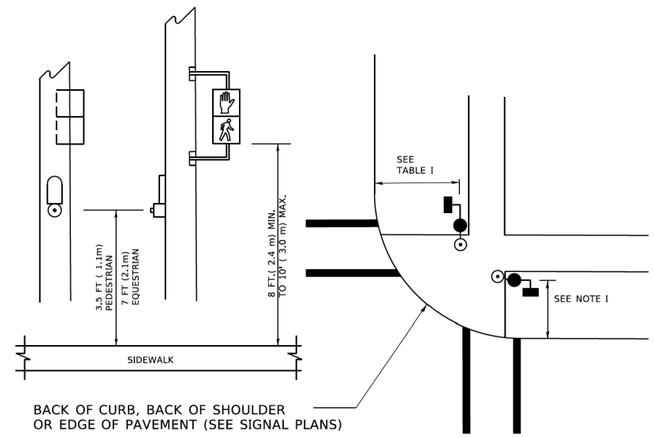
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

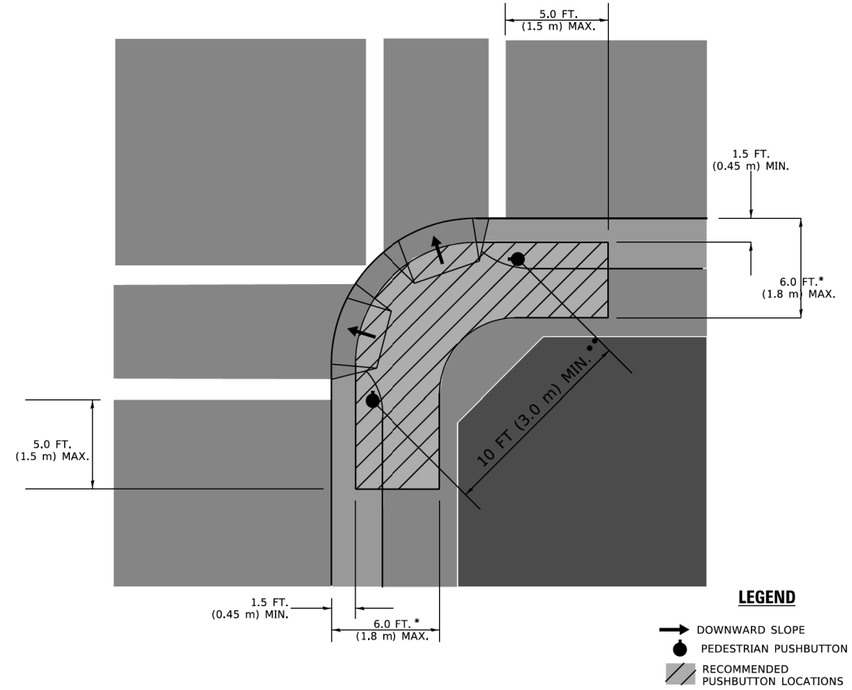
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

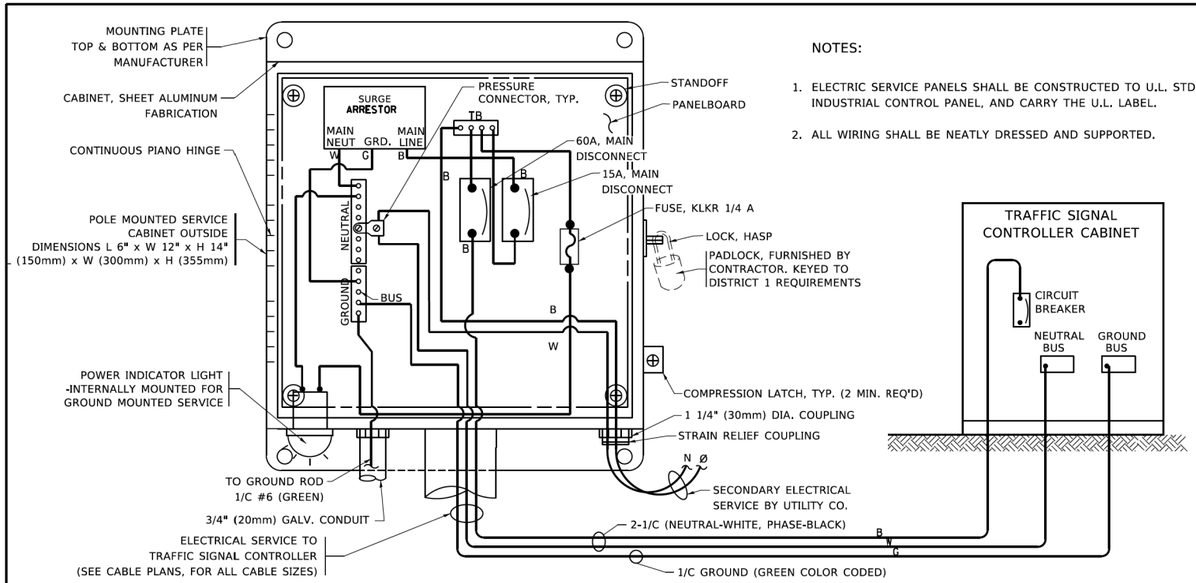
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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



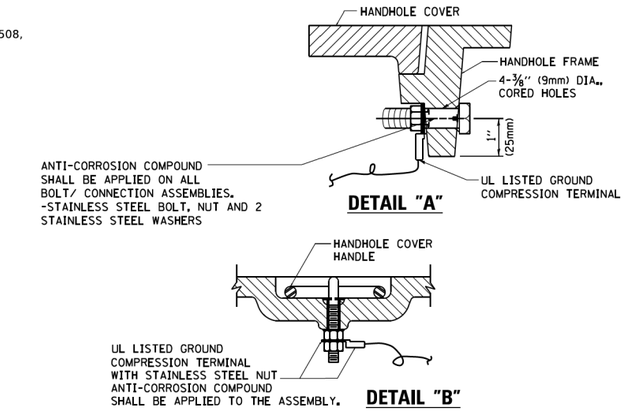
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

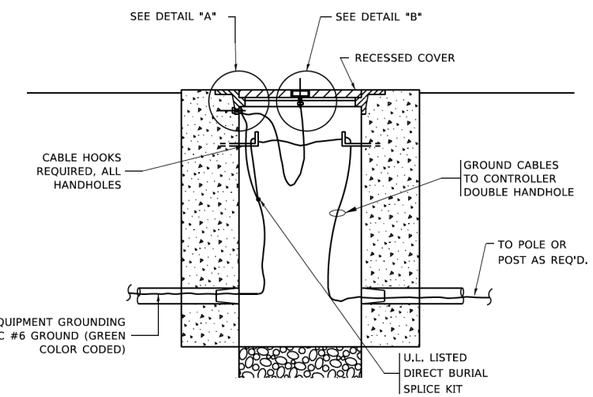
(NOT TO SCALE)



NOTES:

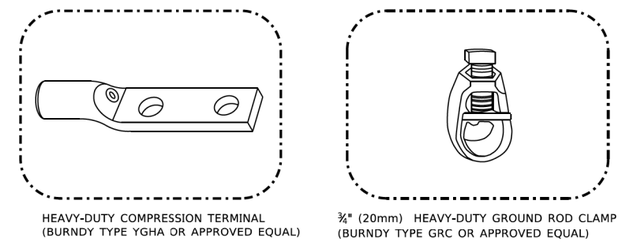
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



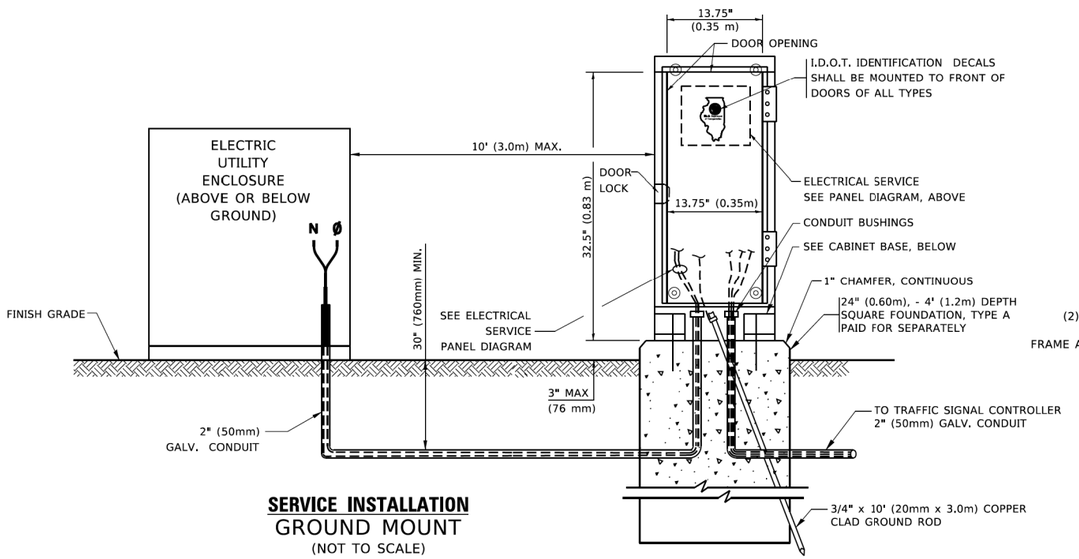
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



NOTES:

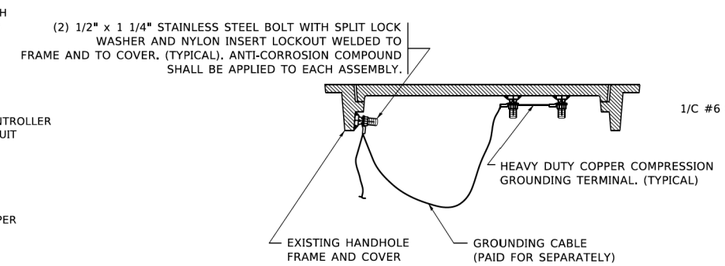
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

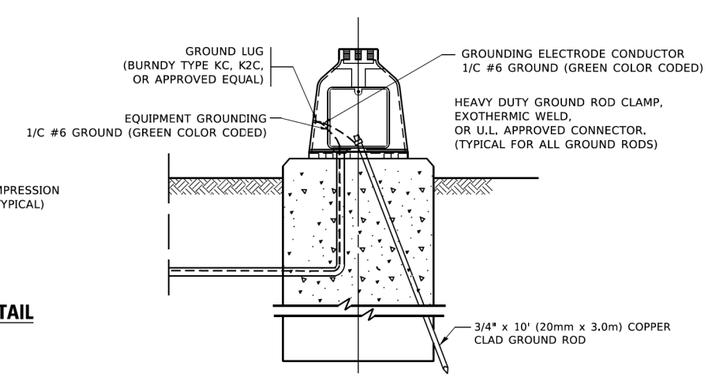
GROUND MOUNT

(NOT TO SCALE)



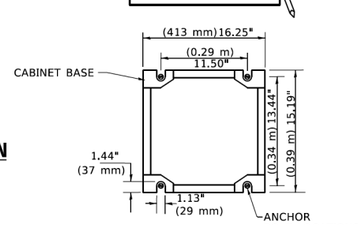
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

(NOT TO SCALE)

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PLOT DATE = 3/4/2019	DATE -	REVISED -	

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS–05	CONTRACT NO.61M28		
		ILLINOIS FED. AID PROJECT		

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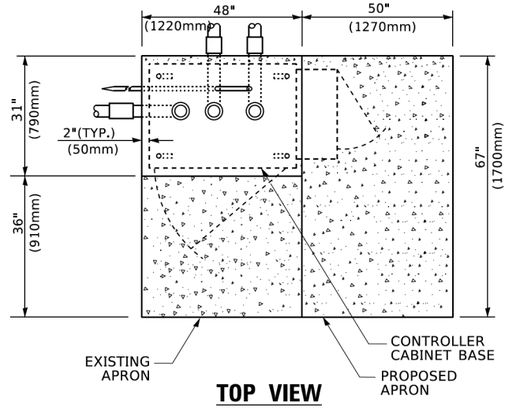
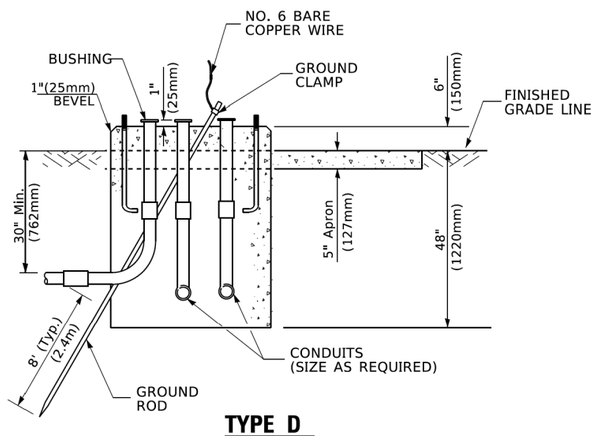
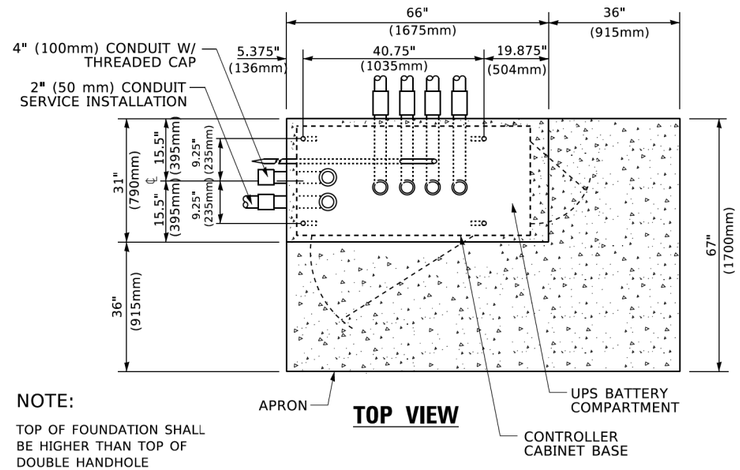


TOP VIEW



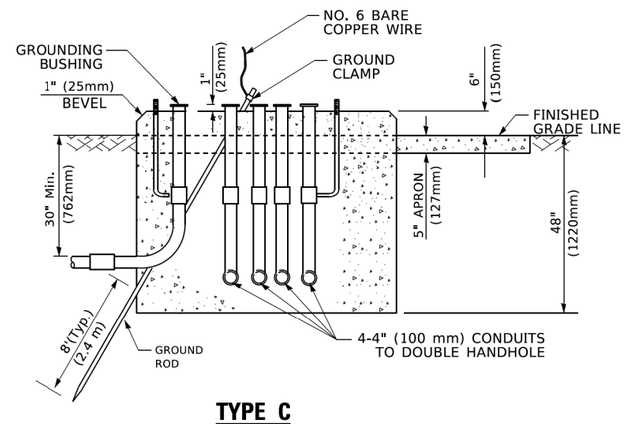
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



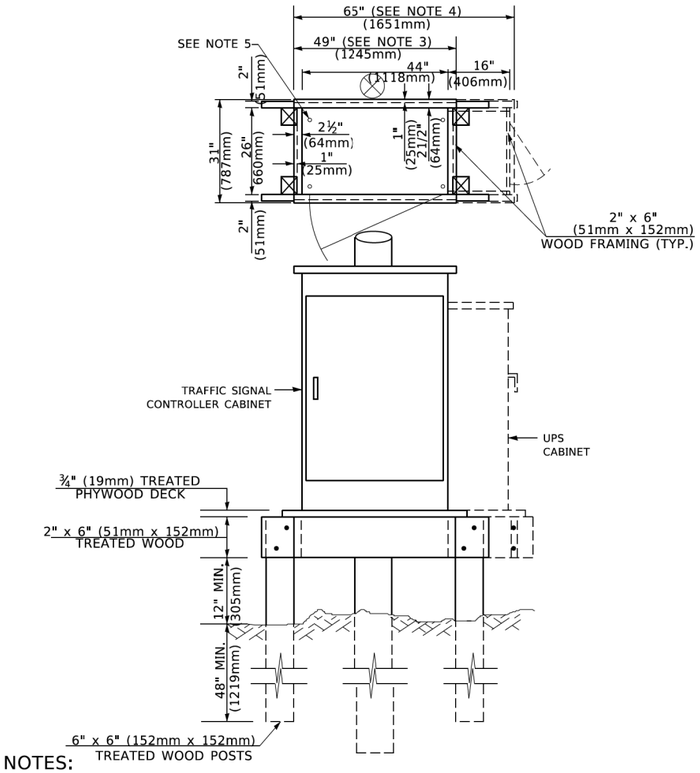
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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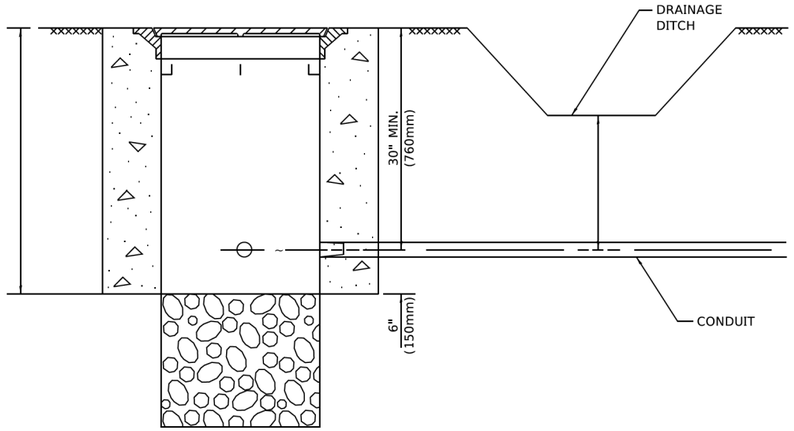
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	74
	TS-05	CONTRACT NO.61M28		
	ILLINOIS	FED. AID PROJECT		

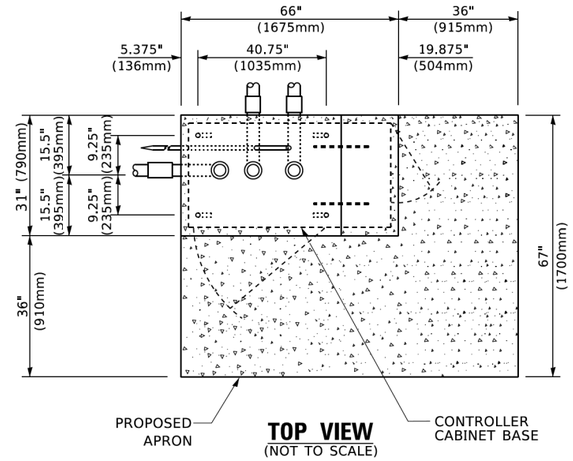


NOTES:

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

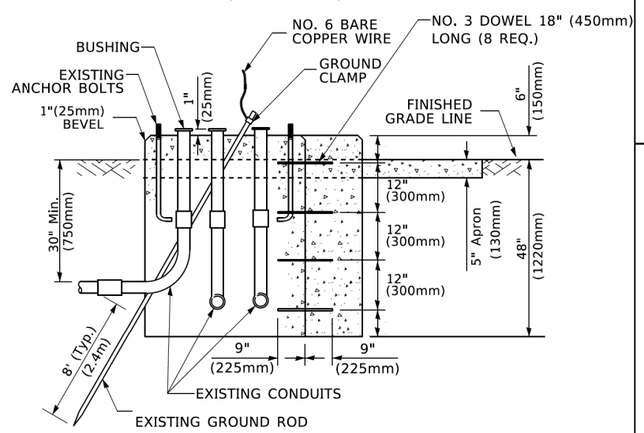
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



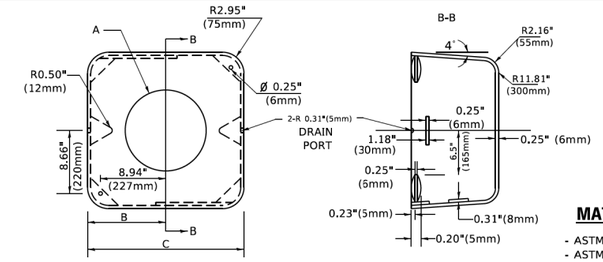
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

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

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

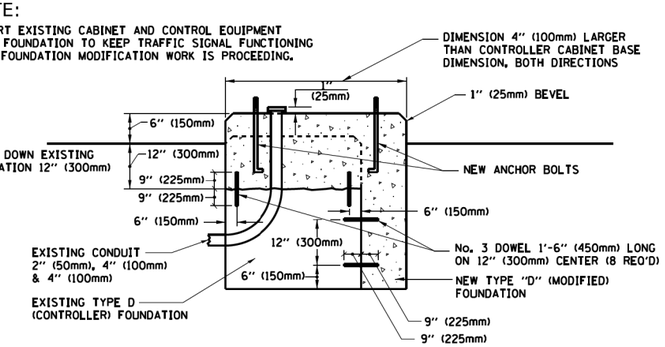
SHROUD

NOTES:

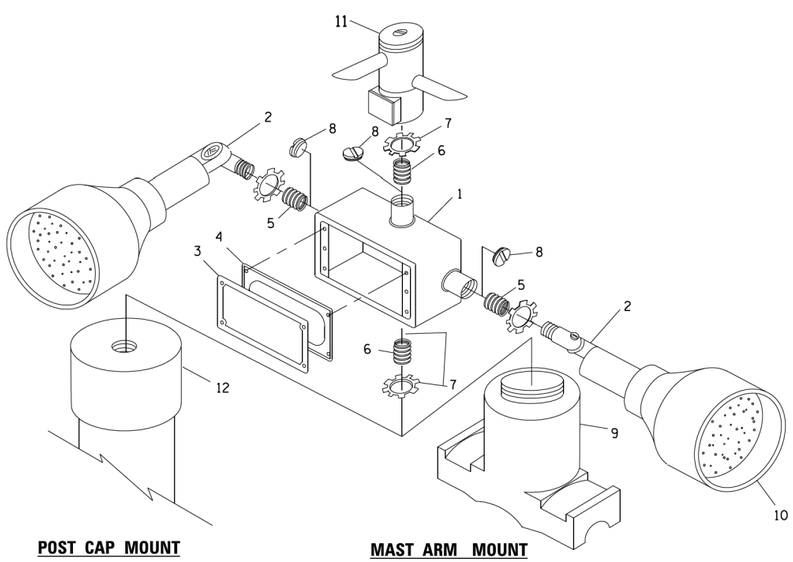
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

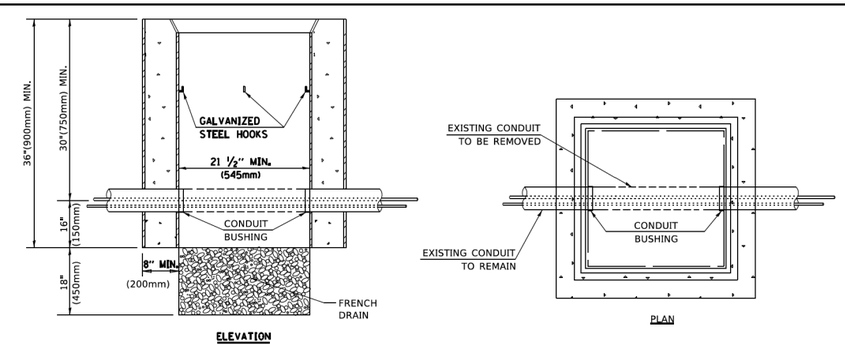
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: Default
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	DRAWN -	REVISED -	
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PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	75
	TS-05	CONTRACT NO.61M28		
		ILLINOIS	FED. AID PROJECT	

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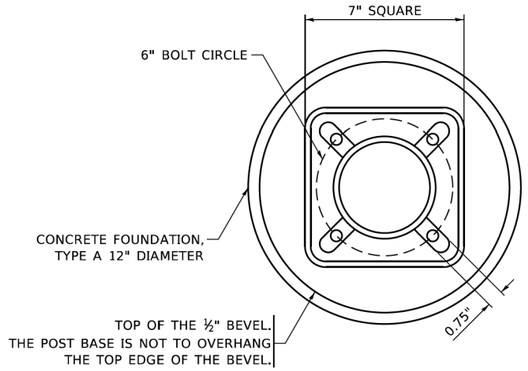
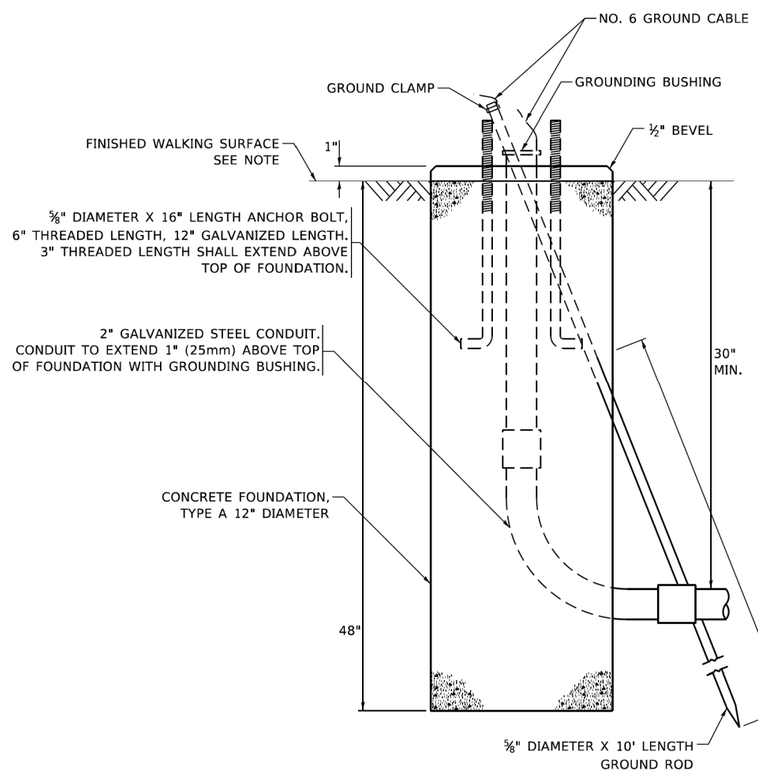


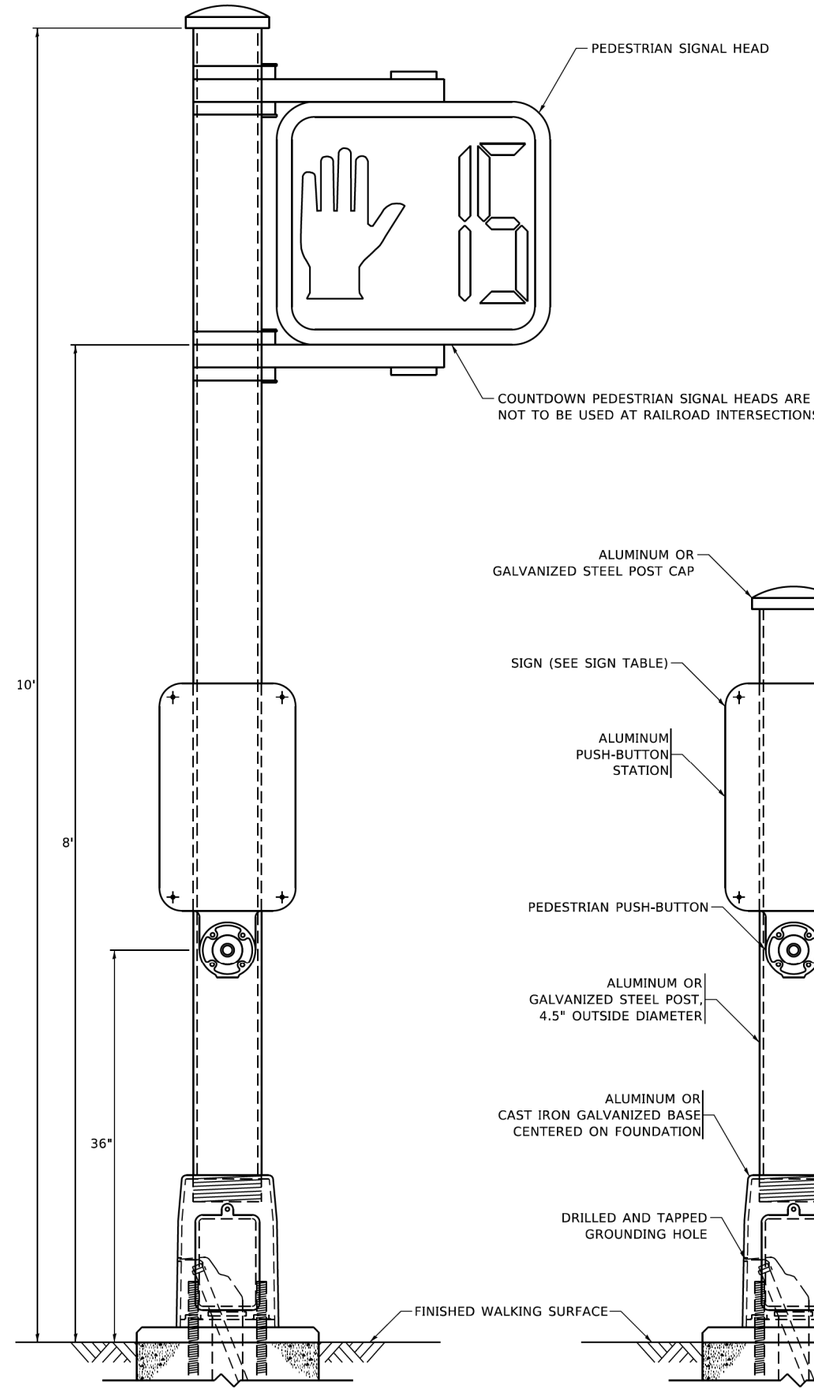
BOLT PATTERN

NOTE:

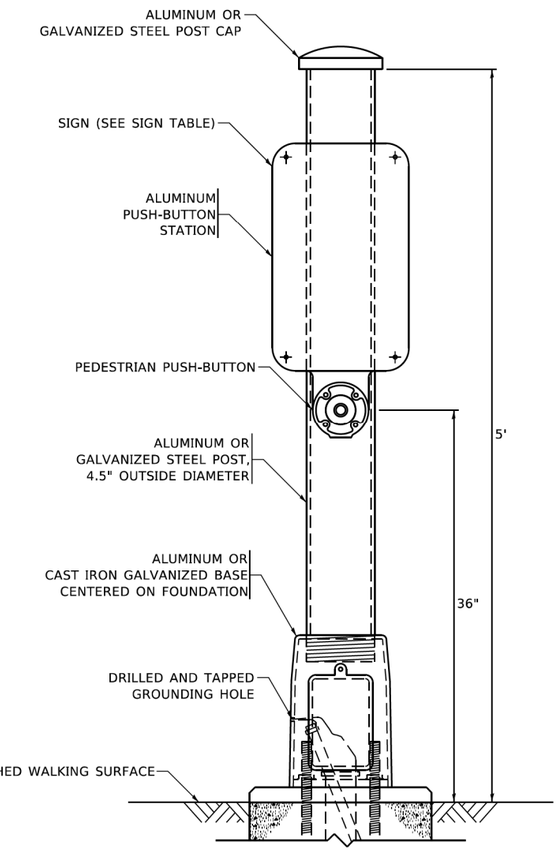
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

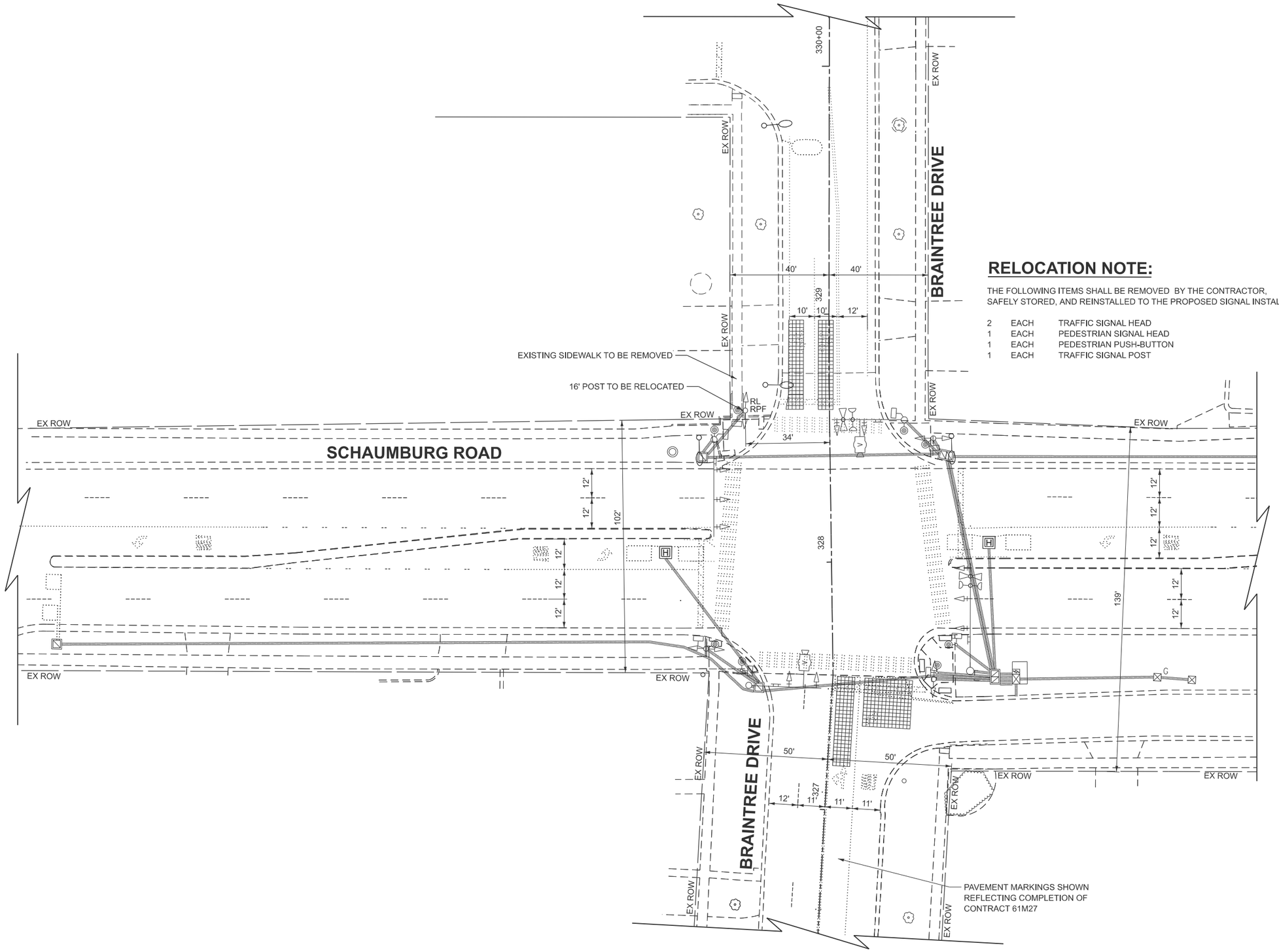
R10–3b **R10–3d** **R10–3e**

SIGN TABLE

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

NOTES:

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



RELOCATION NOTE:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND REINSTALLED TO THE PROPOSED SIGNAL INSTALLATION.

2	EACH	TRAFFIC SIGNAL HEAD
1	EACH	PEDESTRIAN SIGNAL HEAD
1	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TRAFFIC SIGNAL POST

0 20 40 60
SCALE IN FEET

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	DRAWN - LEP	REVISED -	
	CHECKED - JJE	REVISED -	
PLOT DATE = 11/17/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
TRAFFIC SIGNAL REMOVAL PLAN

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

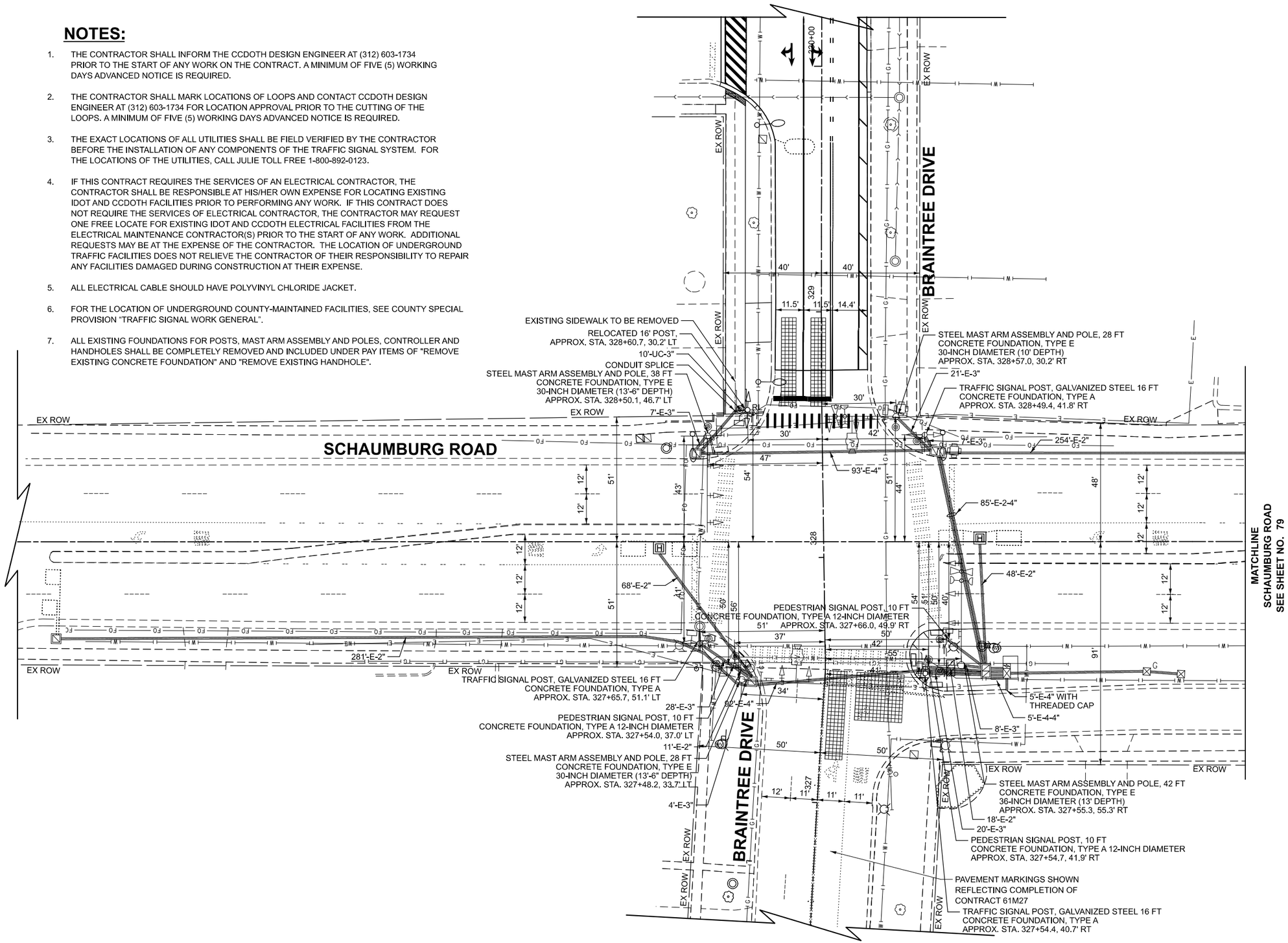
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	77

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

NOTES:

1. THE CONTRACTOR SHALL INFORM THE CCDOTH DESIGN ENGINEER AT (312) 603-1734 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
2. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCDOTH DESIGN ENGINEER AT (312) 603-1734 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
3. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE 1-800-892-0123.
4. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT AND CCDOTH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT AND CCDOTH ELECTRICAL FACILITIES FROM THE ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
5. ALL ELECTRICAL CABLE SHOULD HAVE POLYVINYL CHLORIDE JACKET.
6. FOR THE LOCATION OF UNDERGROUND COUNTY-MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
7. ALL EXISTING FOUNDATIONS FOR POSTS, MAST ARM ASSEMBLY AND POLES, CONTROLLER AND HANDHOLES SHALL BE COMPLETELY REMOVED AND INCLUDED UNDER PAY ITEMS OF "REMOVE EXISTING CONCRETE FOUNDATION" AND "REMOVE EXISTING HANDHOLE".



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	DRAWN - LEP	REVISED -	
	CHECKED - JJE	REVISED -	
PLOT DATE = 1/21/2026	DATE - 11/11/2025	REVISED -	

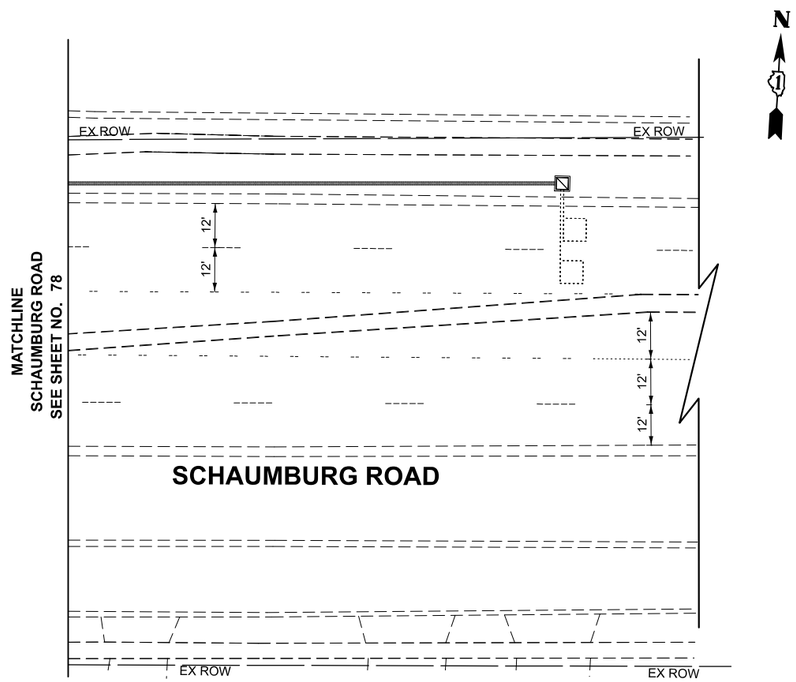
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
TRAFFIC SIGNAL MODIFICATION PLAN

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	78

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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	CHECKED - JJE	REVISED -	
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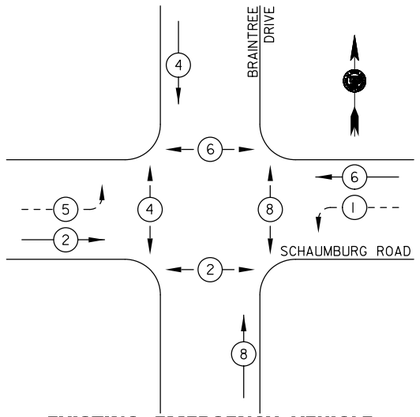
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
TRAFFIC SIGNAL MODIFICATION PLAN

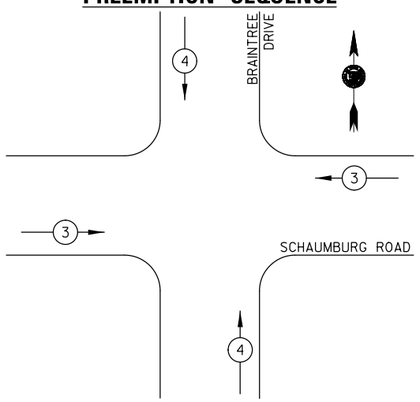
SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	79
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



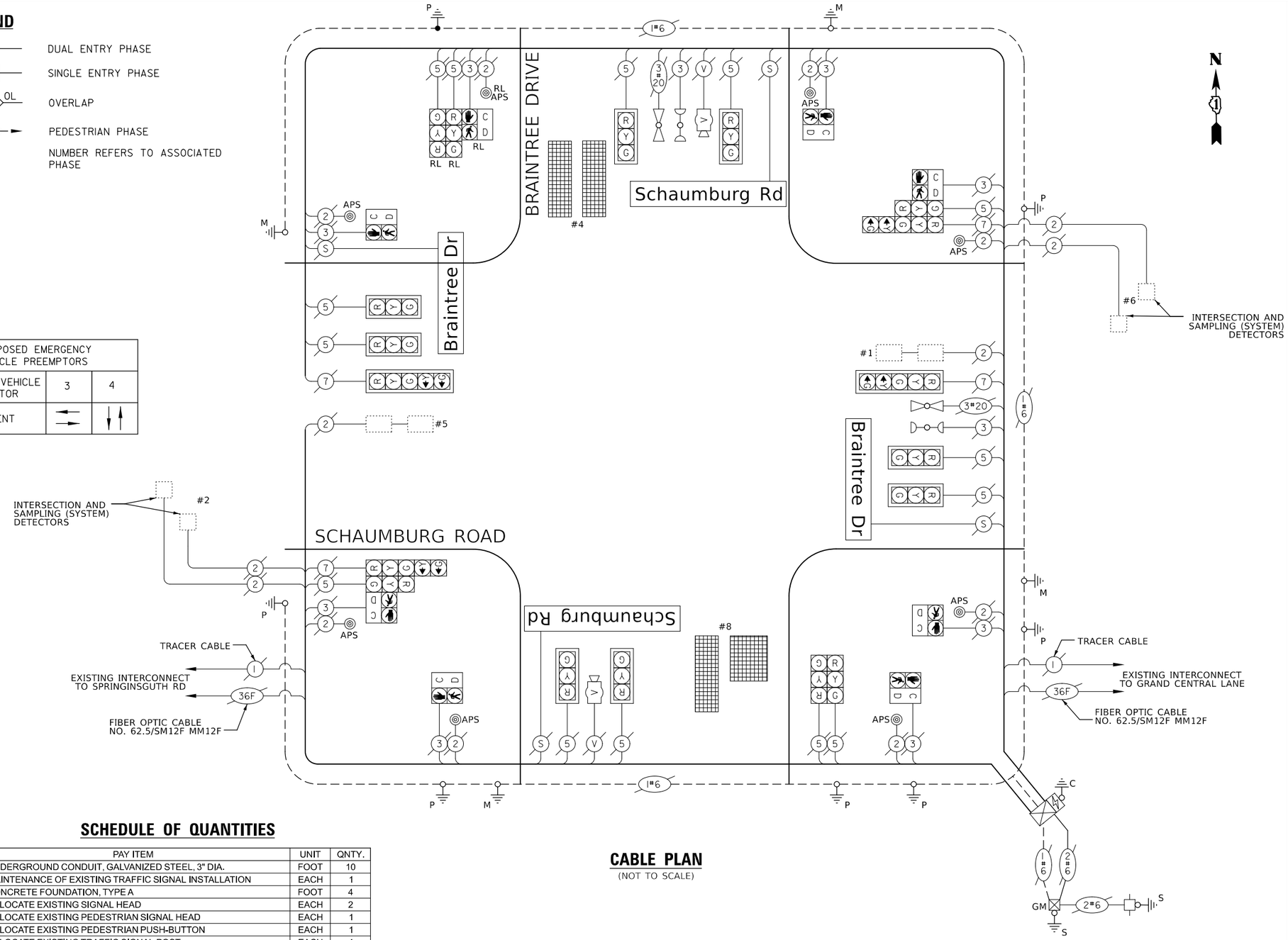
EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑



CABLE PLAN

(NOT TO SCALE)

LOCATION: SCHAUMBURG ROAD AT BRAINTREE DRIVE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	100%	100.00
VEHICLE DET.	6	5	100%	30.00
PED. SIGNAL	8	25	100%	200.00
12" SIGNAL (RED)	18	17	50%	153.00
(YELLOW)	18	25	5%	22.50
(GREEN)	18	15	45%	121.50
(ARROW)	4	12	10%	4.80
UPS	1	25	100%	25.00
VIDEO DETECTION	2	25	100%	50.00
HEATER	1	200	30%	60.00
ILLUMINATED LED STREET NAME 6'	2	108	40%	86.40
ILLUMINATED LED STREET NAME 8'	2	144	40%	115.20
			TOTAL =	968.40

ENERGY COST TO:	ENERGY COST SHARE:
COOK COUNTY BUREAU OF ADMINISTRATION ATTN: UTILITY BILLING 69 W. WASHINGTON, STE 3100 CHICAGO, IL 60602 TOWER ACCOUNT NO. 9605664000	COOK COUNTY: 50%
SCHAUMBURG PUBLIC WORKS 714 SOUTH PLUM GROVE ROAD SCHAUMBURG, IL 60172	SCHAUMBURG: 50%
ENERGY SUPPLY CONTACT: COM ED PHONE: (866) 639-3532 COMPANY: COM ED	EFFECTIVE DATE: TO BE DETERMINED

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	105
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3

NOTE:

THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED AT THE INTERSECTIONS OF BRAINTREE DRIVE/SCHAUMBURG ROAD, BODE ROAD/SPRINGINSGUTH ROAD, AND SCHAUMBURG ROAD/SPRINGINSGUTH ROAD.

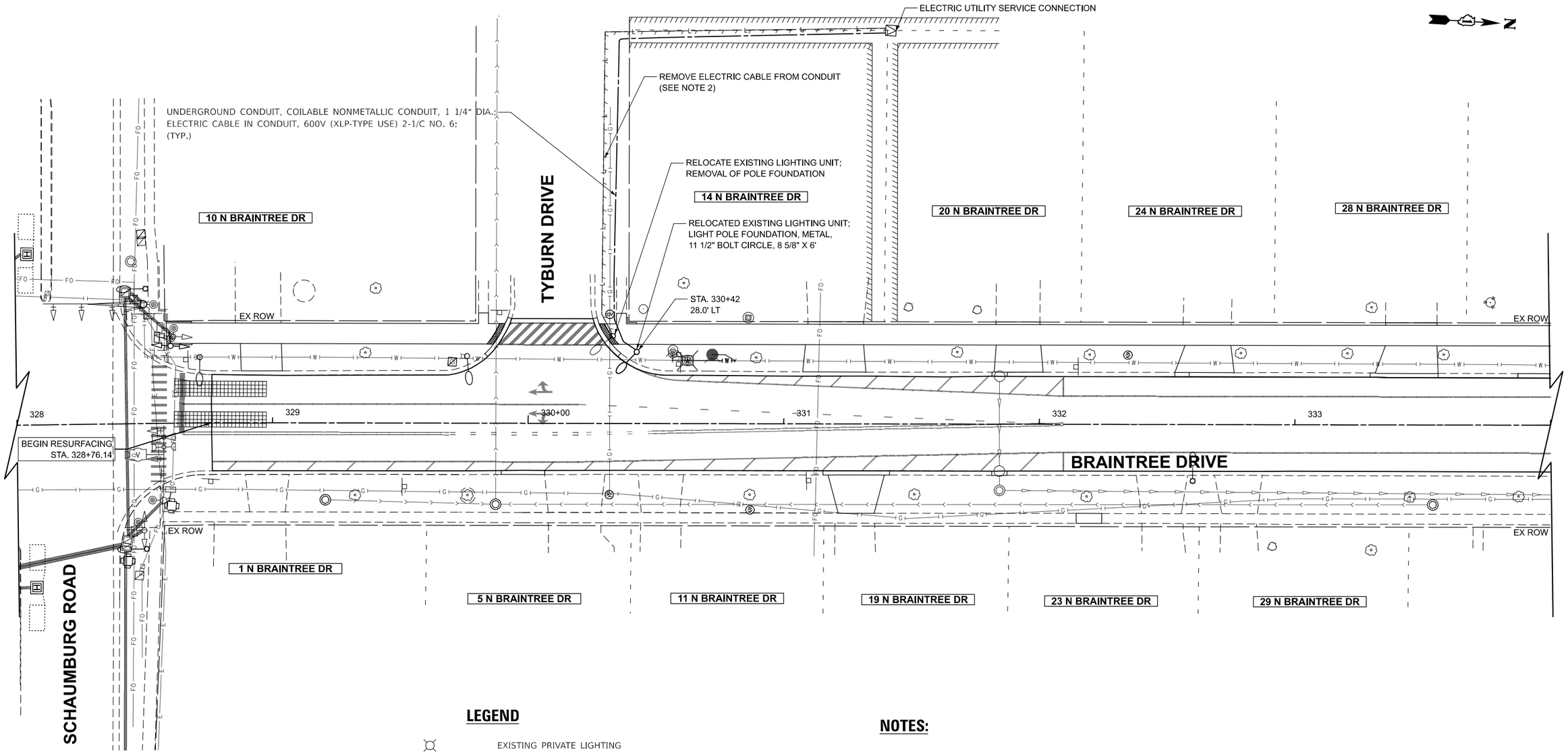
MODEL: Cable Plan-1 [Sheet]
FILE NAME: c:\bms\civil\tech-pw\justin.greaf\d0140702\3993-0203-sht-cable plan.dgn

USER NAME = JFG	DESIGNED - LEP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - LEP	REVISED -	
	CHECKED - JJE	REVISED -	
PLOT DATE = 12/5/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CABLE PLAN AND PHASE DESIGNATION DIAGRAM

SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	80
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- EXISTING PRIVATE LIGHTING
- EXISTING LIGHTING UNIT
- EXISTING LIGHTING UNIT RELOCATED
- EXISTING LIGHTING CABLES
- REMOVE ELECTRIC CABLE FROM CONDUIT
- PROPOSED WIRING
  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.;
  ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL
  SIZE AS SPECIFIED IN PLANS

NOTES:

1. RELOCATION OF EXISTING LIGHTING UNIT WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.
2. ELECTRIC CABLES THAT ARE DIRECT BURIED WILL NOT BE REMOVED.

0 20 40 60
SCALE IN FEET

MODEL: Sht-3993-0203-LGT-01
FILE NAME: c:\bms\dwitech-pw\justin.great.d0140703\3993-0203-sht-Lighting 01-06.dgn

USER NAME = JFG	DESIGNED - SJC	REVISED -	
	DRAWN - SJC	REVISED -	
	CHECKED - DNM	REVISED -	
PLOT DATE = 11/17/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

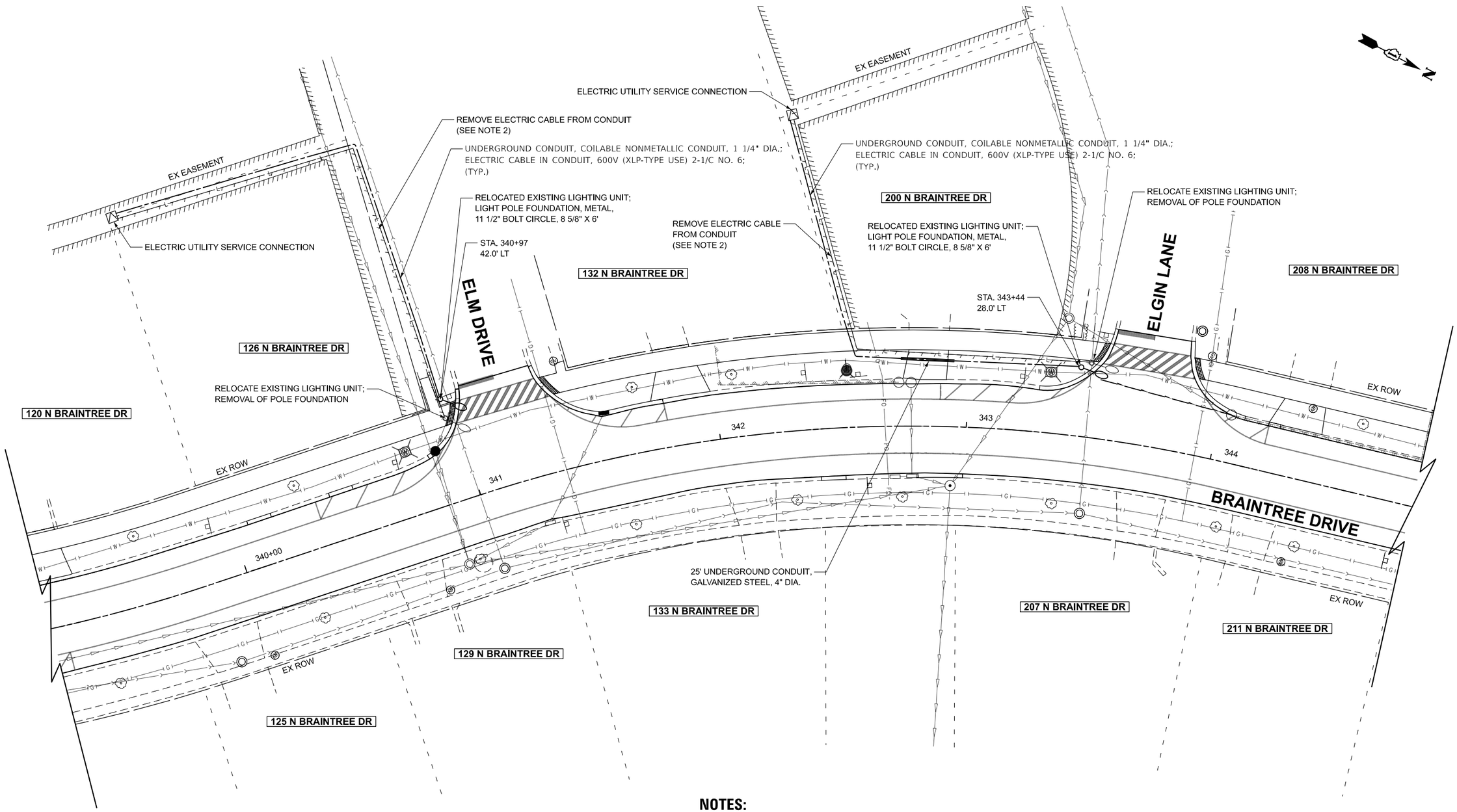
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PROPOSED LIGHTING PLAN

SCALE: 1"=20' | SHEET 1 OF 6 SHEETS | STA. 328+00.00 TO STA. 334+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	81

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT



NOTES:

1. RELOCATION OF EXISTING LIGHTING UNIT WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.
2. ELECTRIC CABLES THAT ARE DIRECT BURIED WILL NOT BE REMOVED.

0 20 40 60
SCALE IN FEET

MODEL: Sht-3993-0203-LGT-03
FILE NAME: c:\bmsidvdtech-pw\justin.greald014070\3993-0203-sht-Lighting 01-06.dgn

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	DRAWN - SJC	REVISED -	
	CHECKED - DNM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

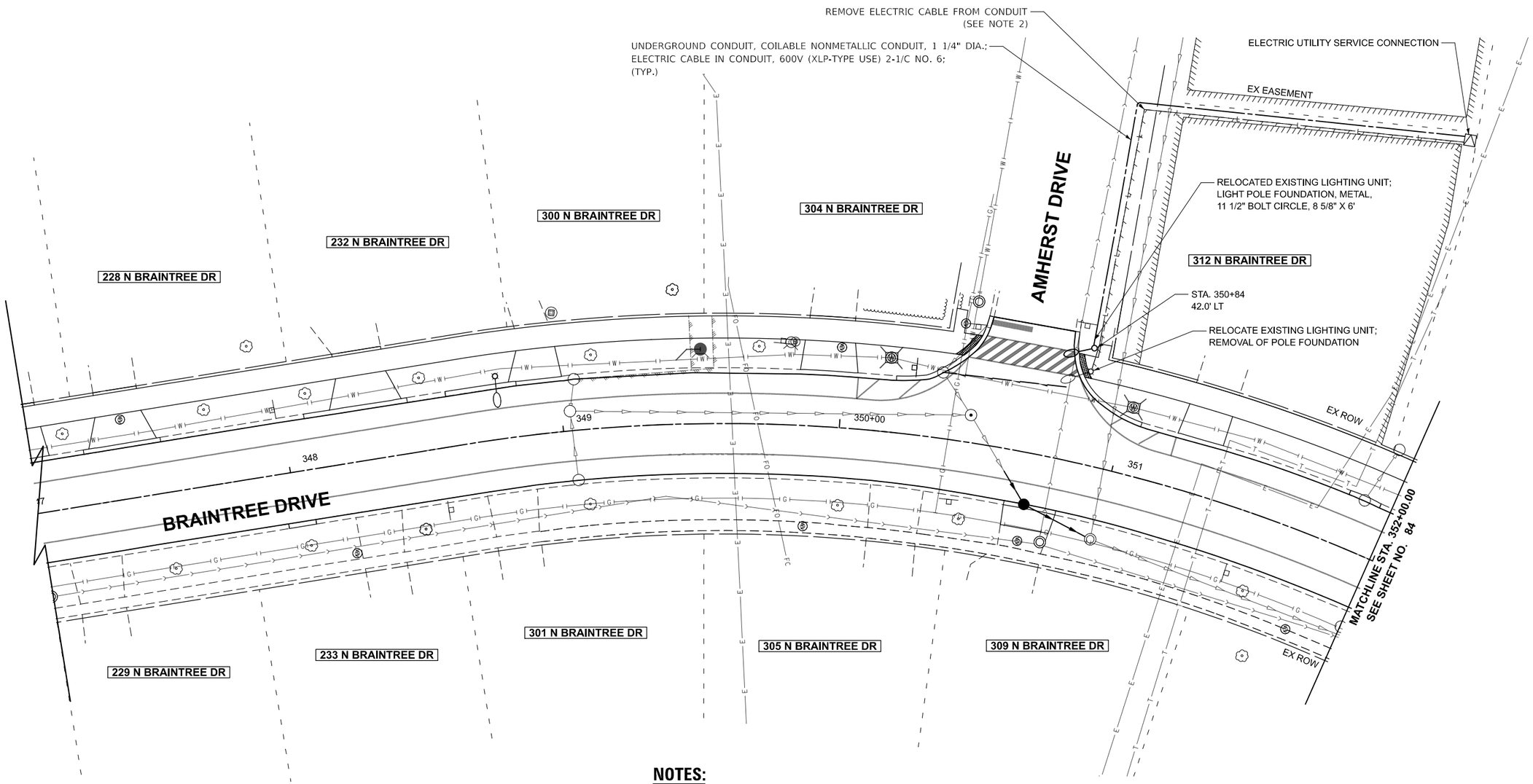
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PROPOSED LIGHTING PLAN

SCALE:1"=20' | SHEET 2 OF 6 SHEETS | STA. 339+17.23 TO STA. 344+83.79

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	82

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



NOTES:

1. RELOCATION OF EXISTING LIGHTING UNIT WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.

2. ELECTRIC CABLES THAT ARE DIRECT BURIED WILL NOT BE REMOVED.

0 20 40 60
SCALE IN FEET

MODEL: Sht-3993-0203-LGT-04
FILE NAME: c:\bms\civiltech-pw\justin.greald\01407033\3993-0203-sht-Lighting 01-06.dgn

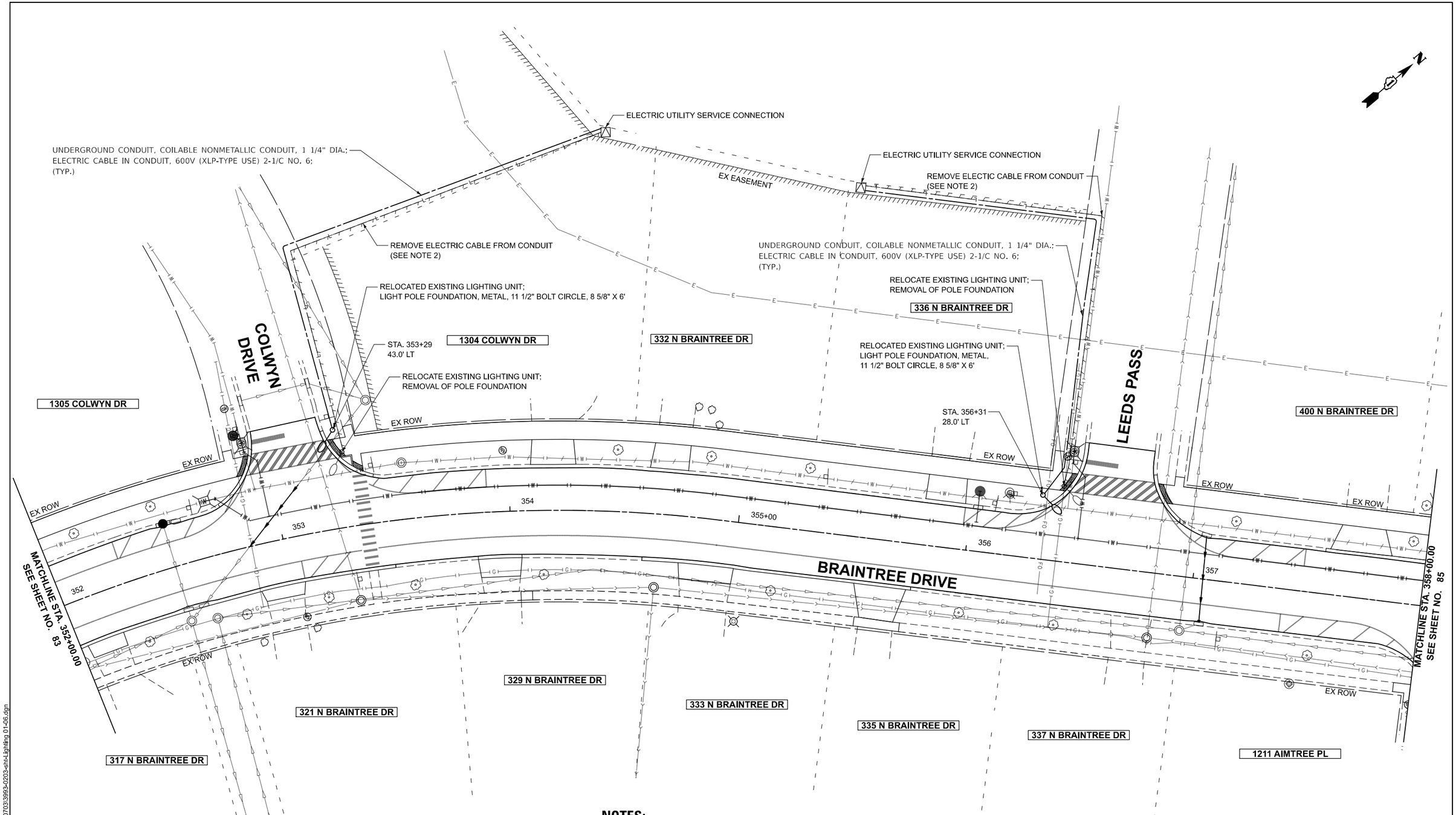
USER NAME = JFG	DESIGNED - SJC	REVISED -	
	DRAWN - SJC	REVISED -	
	CHECKED - DNM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PROPOSED LIGHTING PLAN

SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. 347+00.00 TO STA. 352+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	83
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. RELOCATION OF EXISTING LIGHTING UNIT WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.
2. ELECTRIC CABLES THAT ARE DIRECT BURIED WILL NOT BE REMOVED.

MODEL: Sht-3993-0203-LGT-05
FILE NAME: c:\bms\cdvtlech-pw\justin.greald\D1407033\3993-0203-sht-Lighting 01-06.dgn

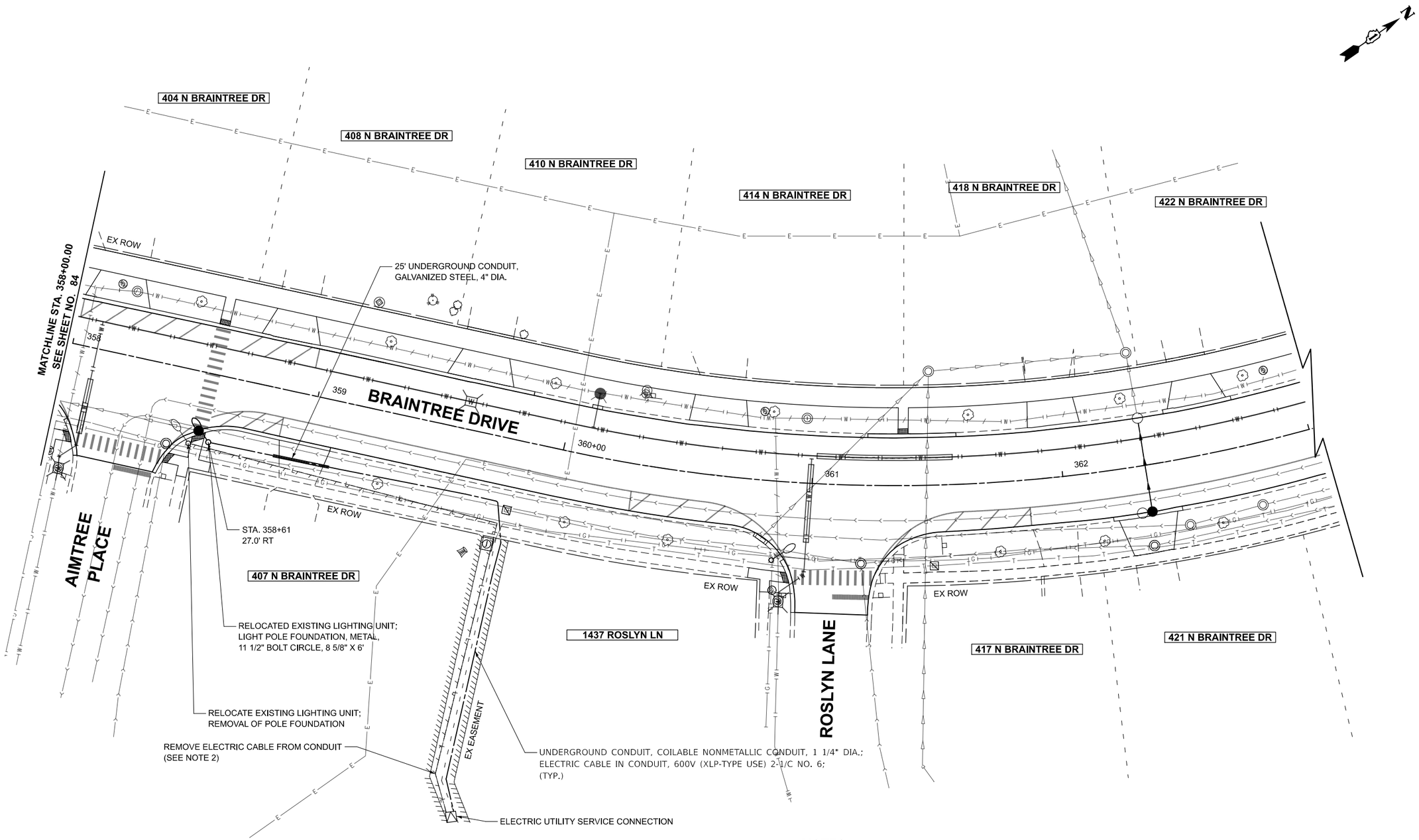
USER NAME = JFG	DESIGNED - SJC	REVISED -	
	DRAWN - SJC	REVISED -	
	CHECKED - DNM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PROPOSED LIGHTING PLAN

SCALE:1"=20' | SHEET 4 OF 6 SHEETS | STA. 352+00.00 TO STA. 358+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	84
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. RELOCATION OF EXISTING LIGHTING UNIT WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.
2. ELECTRIC CABLES THAT ARE DIRECT BURIED WILL NOT BE REMOVED.

0 20 40 60
SCALE IN FEET

MODEL: Sht-3993-0203-LGT-06
FILE NAME: c:\bms\civiltech-pw\justin.greald\0140703\3993-0203-sht-Lighting 01-06.dgn

USER NAME = JFG	DESIGNED - SJC	REVISED -	
	DRAWN - SJC	REVISED -	
	CHECKED - DNM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PROPOSED LIGHTING PLAN

SCALE:1"=20' | SHEET 5 OF 6 SHEETS | STA. 358+00.00 TO STA. 363+01.46

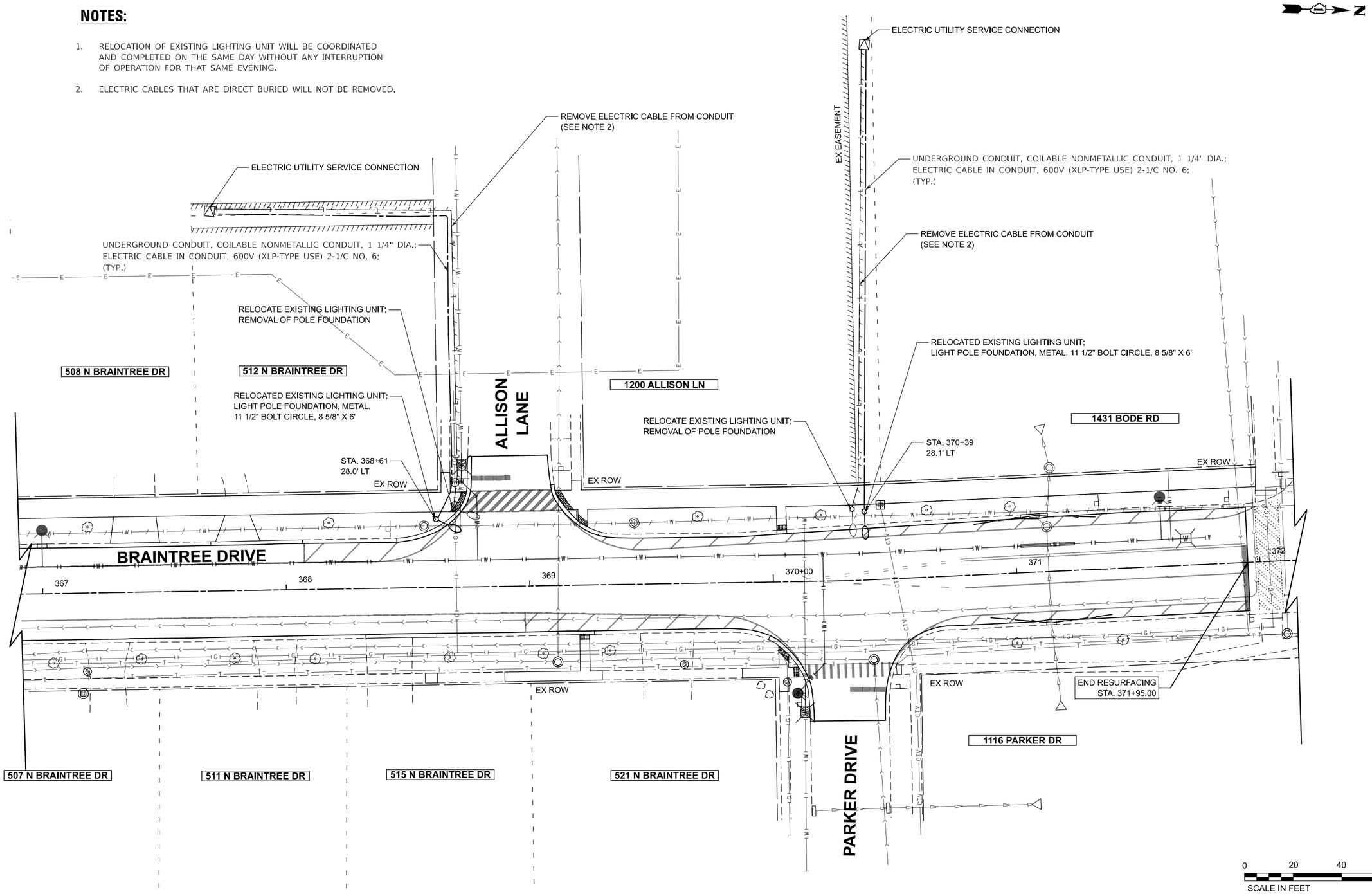
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	85

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

NOTES:

1. RELOCATION OF EXISTING LIGHTING UNIT WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.
2. ELECTRIC CABLES THAT ARE DIRECT BURIED WILL NOT BE REMOVED.



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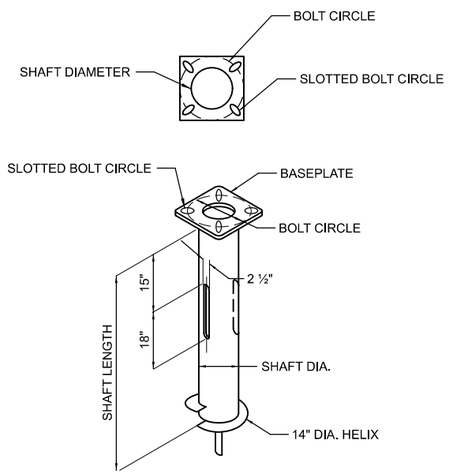
FILE NAME: c:\bms\dvlteo2-pw\justin.greald\D140703\3993-0203-sht-Lighting 01-06.dgn

USER NAME = JFG	DESIGNED - SJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - SJC	REVISED -	
	CHECKED - DNM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

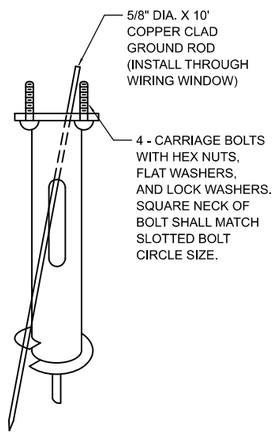
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
PROPOSED LIGHTING PLAN

SCALE:1"=20' | SHEET 6 OF 6 SHEETS | STA. 364+00.00 TO STA. 370+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	86
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		



HELIX FOUNDATION SIZE



POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
31 FT. - 35 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
36 FT. - 40 FT.	15"	8⅝"	6 FT.	15" X 15" X 1¼"
41 FT. - 45 FT.	15"	8⅝"	6 FT.	15" X 15" X 1¼"
46 FT. - 50 FT.	15"	10"	8 FT.	15" X 15" X 1¼"

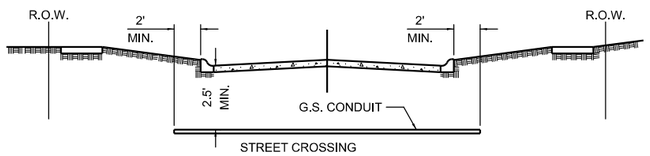
NOTES FOR METAL FOUNDATION

1. METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.
2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINOUS AND NOT LESS THAN ¼" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. FABRICATE TWO SLOTS IN THE SHAFT AT 18O DEGREES FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.
5. TOP PLATE SHALL BE PERMANENTLY MARKED WITH THE CABLING SLOT LOCATIONS.
6. HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
8. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
9. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH SAND.
10. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
11. GROUND ROD, 5/8" DIA. x 10', THROUGH FOUNDATION WILL BE REQUIRED AND INCLUDED ON ALL LIGHT POLE FOUNDATIONS INCLUDING METAL FOUNDATIONS.
12. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
13. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (| 1^) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (| 0.188) TO THE SHAFT AXIS.
14. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (| 0.125) AND IN LINE (| 2^).
15. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.
16. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASE PLATE:	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT:	ASTM A 252 - (LATEST REVISION) GRADE 2, (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW:	AASHTO M 183 (ASTM A 635) (LATEST REVISION)
PILOT POINT:	AASHTO M 270 (ASTM A 575) (LATEST REVISION)
ANCHOR RODS/STUDS:	AASHTO M 314 (ASTM F 1554) (LATEST REVISION)
HEXAGON NUTS:	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H (LATEST REVISION)
WASHERS:	AASHTO M 293 (ASTM F 436) (LATEST REVISION)

POLE FOUNDATION METAL

HELIX MUST BE FORMED BY MATCHING METAL DIE
(SIDE VIEW OF TRUE HELICAL FORM)

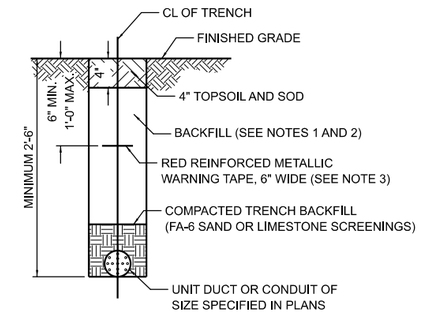


① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT
② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB
③ CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW FINISHED GRADE

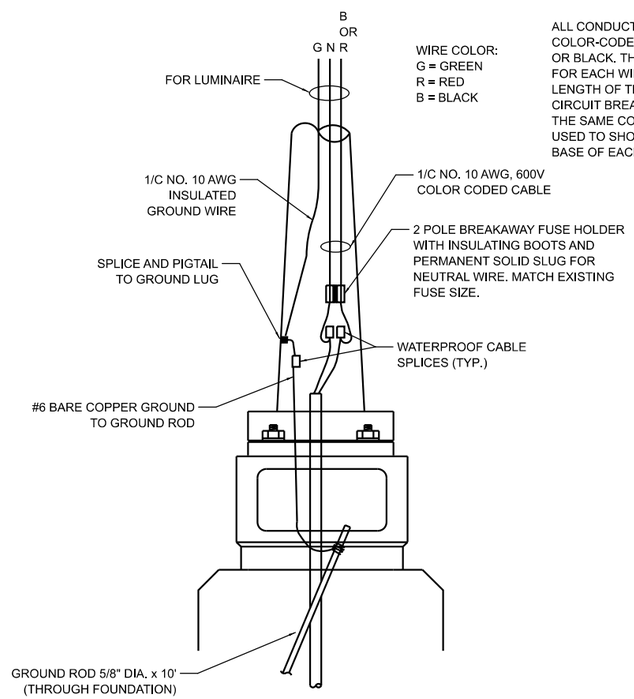
ELECTRICAL CONDUIT UNDER PAVEMENT

NOTES:

1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.



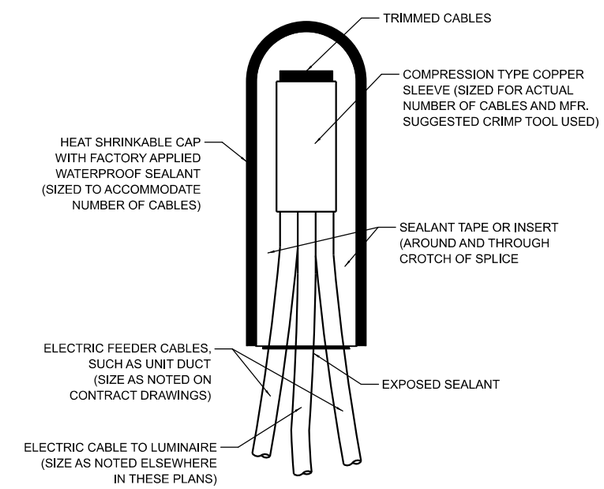
TYPICAL TRENCH CROSS SECTION



WIRE COLOR:
G = GREEN
R = RED
B = BLACK

ALL CONDUCTORS SHALL BE INDIVIDUALLY COLOR-CODED. PHASE WIRES WILL BE RED OR BLACK. THE COLOR-CODED INSULATION FOR EACH WIRE SHALL RUN THE ENTIRE LENGTH OF THE CONDUCTOR FROM THE CIRCUIT BREAKER TO THE LUMINAIRE WITH THE SAME COLOR. COLORED TAPE CAN BE USED TO SHOW DIFFERENT CIRCUITS IN THE BASE OF EACH POLE.

LIGHT POLE HANDHOLE WIRING DIAGRAM



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS

MODEL: 3993-0203-LGT DET [Sheet]
FILE NAME: c:\bms\dvdtech-pw\justin.greald014070\3993-0203-sht-Lighting 09.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

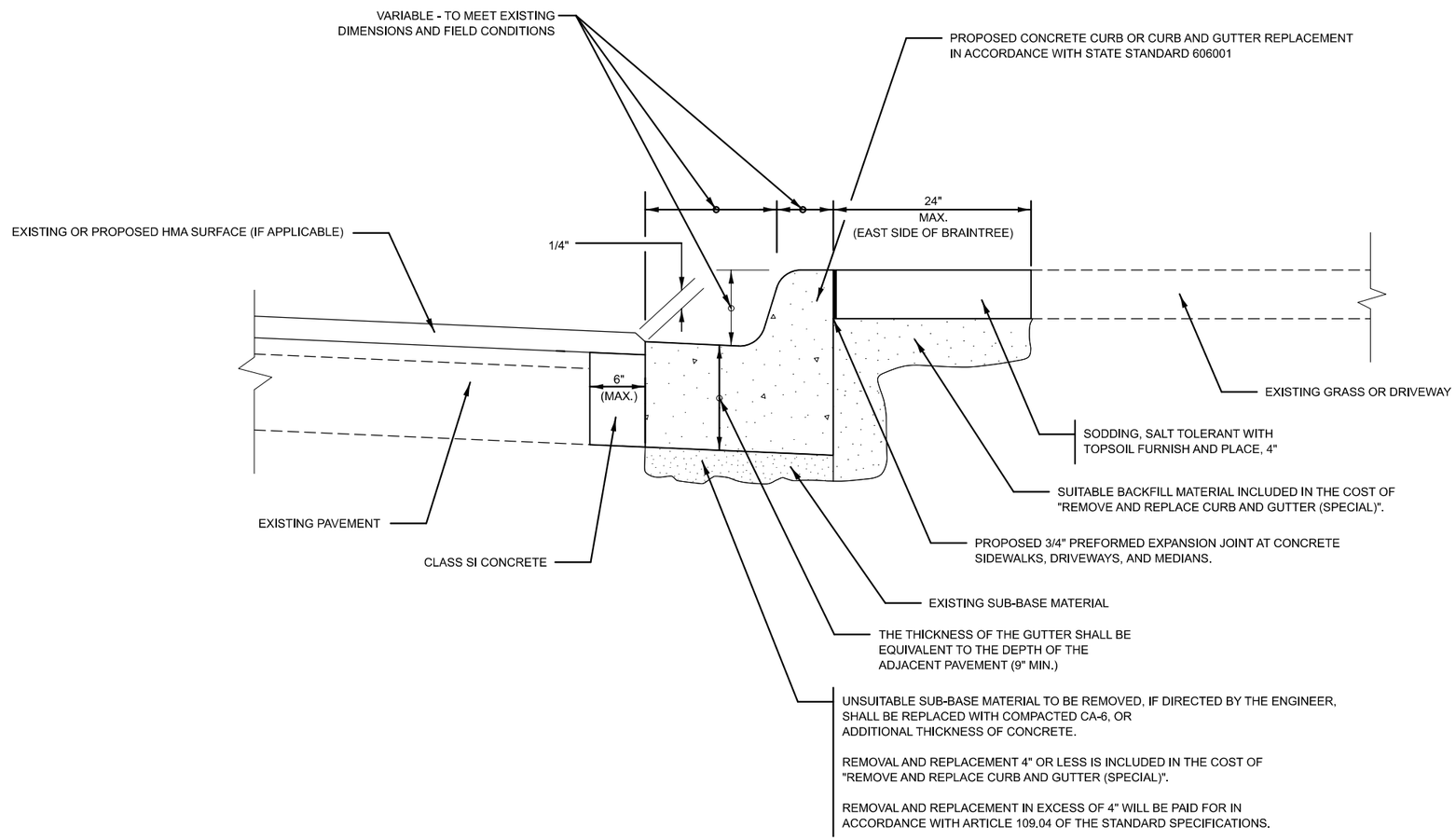
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
LIGHTING DETAILS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	88

CONTRACT NO. 61M28

ILLINOIS FED. AID PROJECT



CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL

MODEL: 3993-0203-Details-6 [Sheet]
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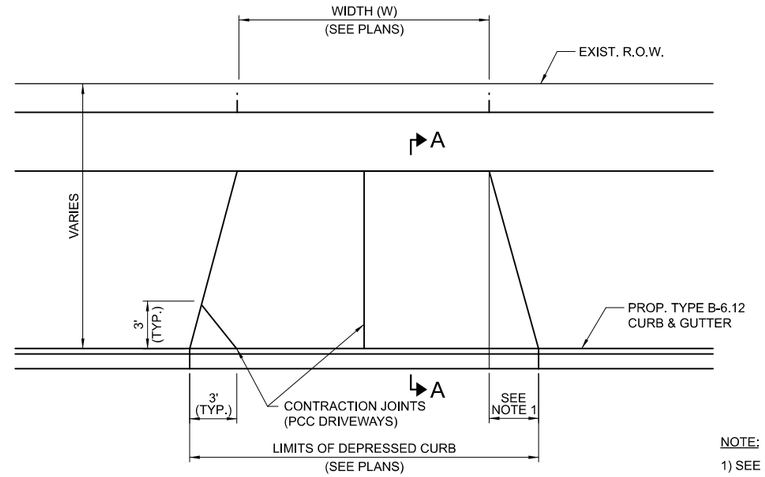
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 11/17/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 1 OF 7 SHEETS | STA. | TO STA.

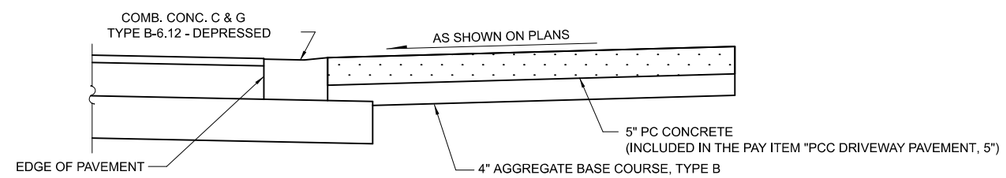
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	89
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1) SEE PLAN SHEETS FOR DRIVEWAY FLARE WIDTHS

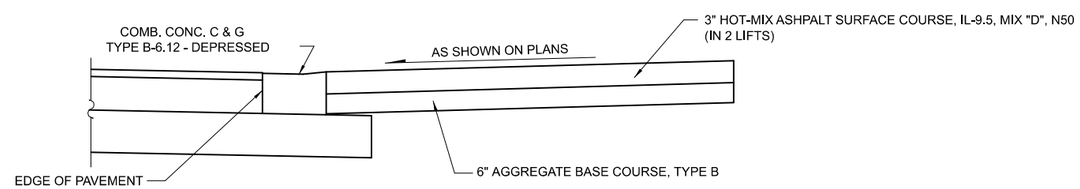
STRAIGHT TAPER PLAN VIEW



SECTION A-A

PCC RESIDENTIAL DRIVEWAY DETAIL

NOT TO SCALE



SECTION A-A

HOT-MIX ASPHALT RESIDENTIAL DRIVEWAY DETAIL

NOT TO SCALE

MODEL: 3993-0203-Details-7 [Sheet]
FILE NAME: c:\bms\civiltech-pw\justin.greaf.0114070\3993-0203-sht-details.dgn

USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

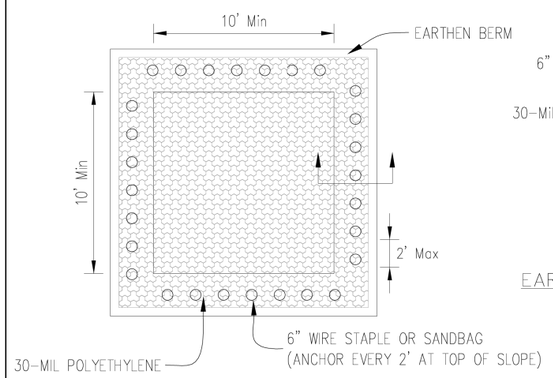
SCALE: N.T.S. | SHEET 2 OF 7 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	90

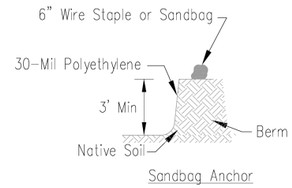
CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

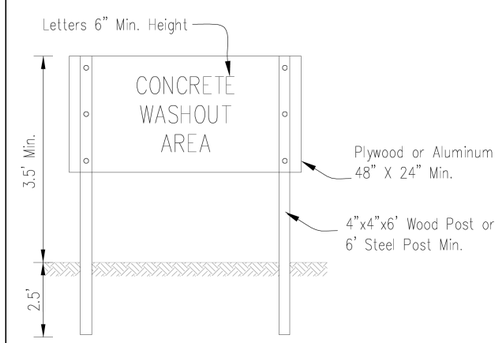
AUTOCAD2006



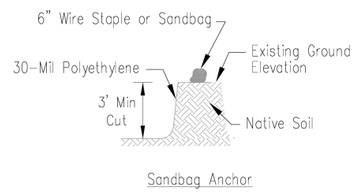
PLAN VIEW



EARTHEN BERM ANCHOR SECTIONS



SIGN DETAIL



SUBGRADE ANCHOR SECTIONS

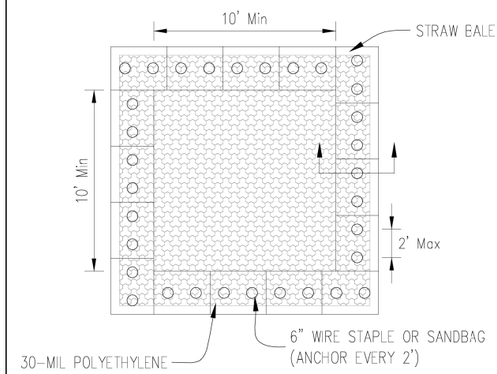
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the faciliities to a functional condition.

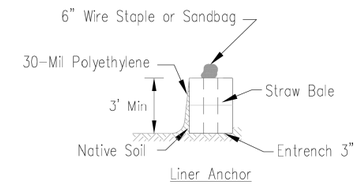
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 2 of 3	Drawing No.	File No. IUM-654ET	TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE	Designed	Date
				Drawn B. JOHNSON	6/08
				Checked	
				Approved	

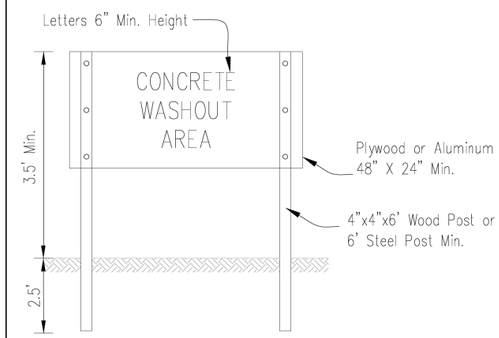
AUTOCAD2006



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the faciliities to a functional condition.

2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

Sheet 1 of 3	Drawing No.	File No. IUM-654SB	TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE	Designed	Date
				Drawn B. JOHNSON	6/08
				Checked	
				Approved	

MODEL: 3993-0203-Details-8 [Sheet]
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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

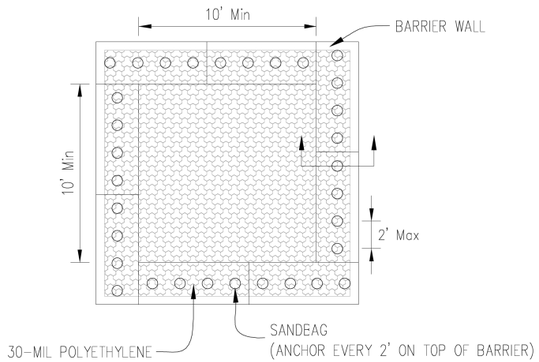
SCALE: N.T.S. | SHEET 3 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	91

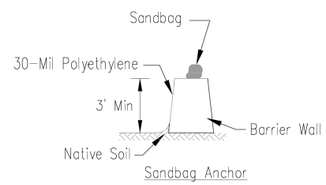
CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

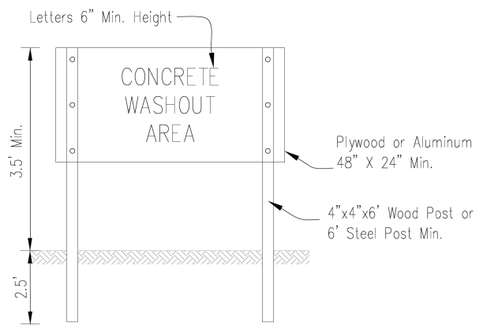
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.

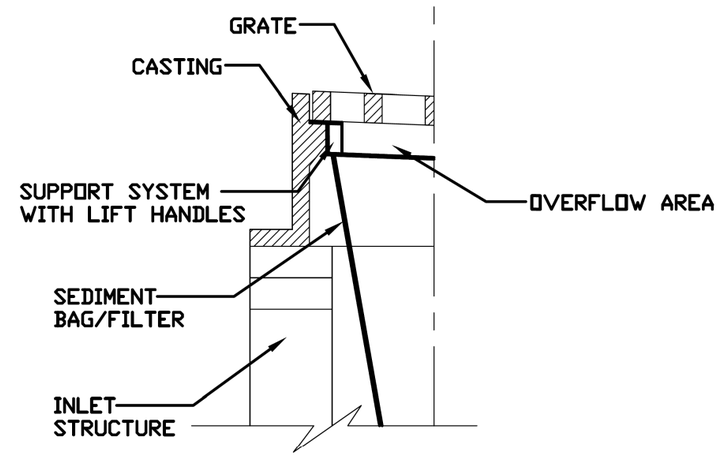
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

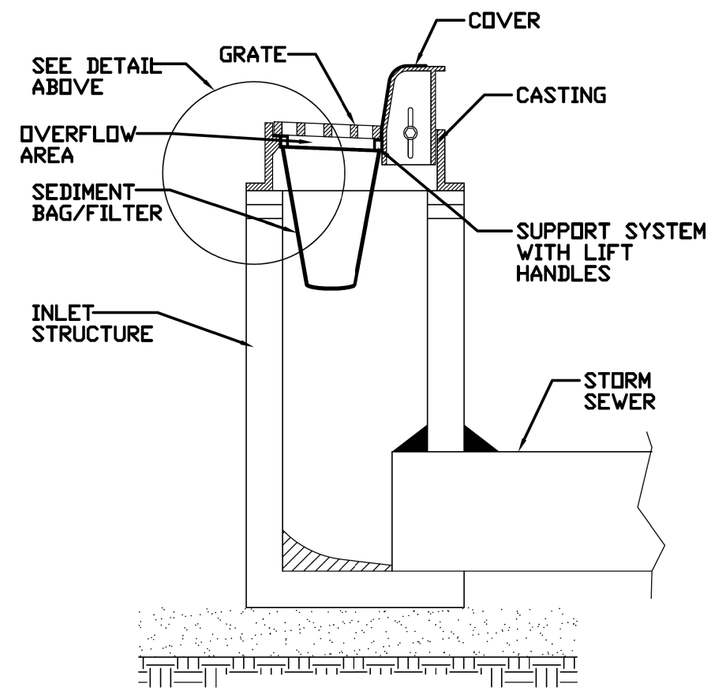
Sheet 3 of 3 | Drawing No. IUM-561W | File No.

TEMPORARY CONCRETE
WASHOUT FACILITY - BARRIER WALL

		Date
Designed		
Drawn	B. JOHNSON	6/08
Checked		
Approved		

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION





REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

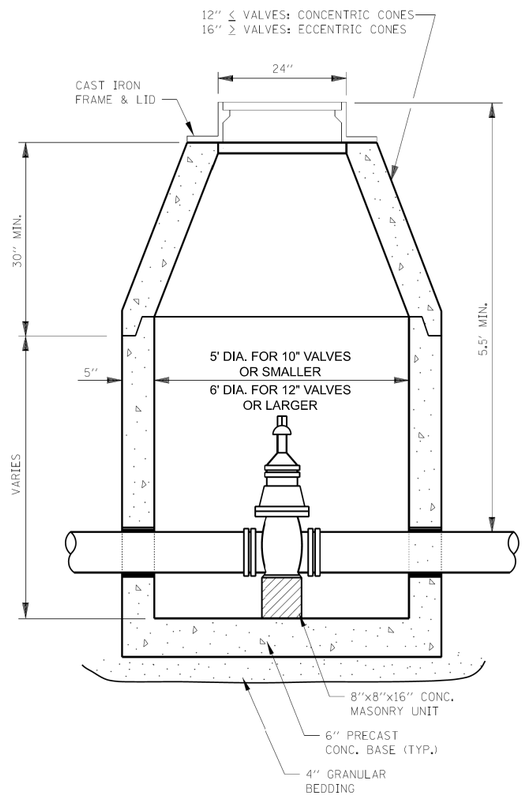
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 4 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	92

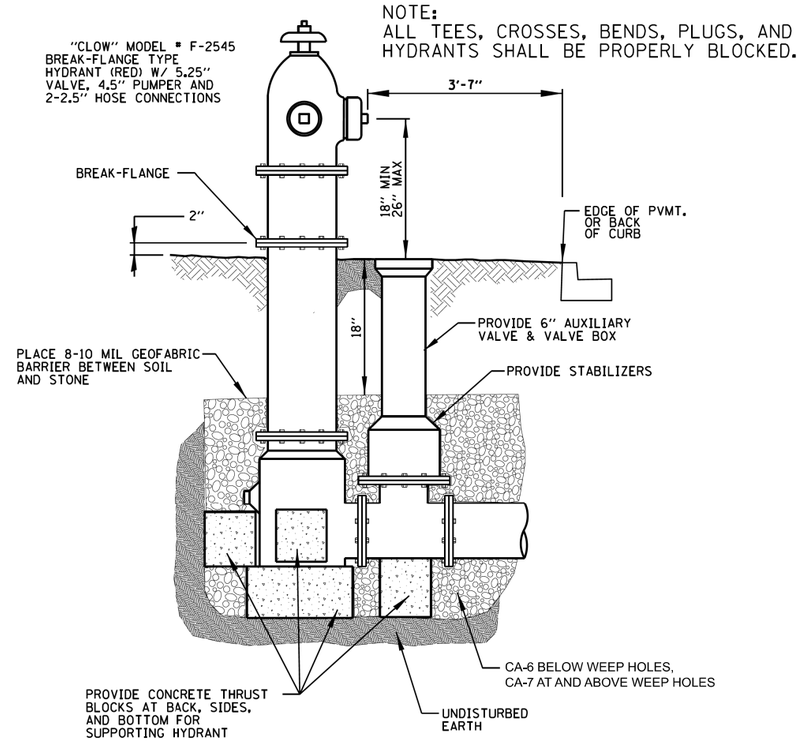
CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

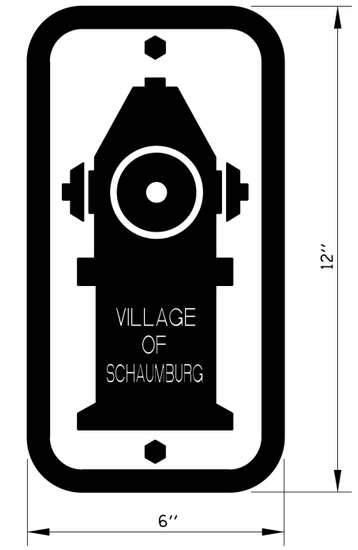


VALVE VAULT TYPE A

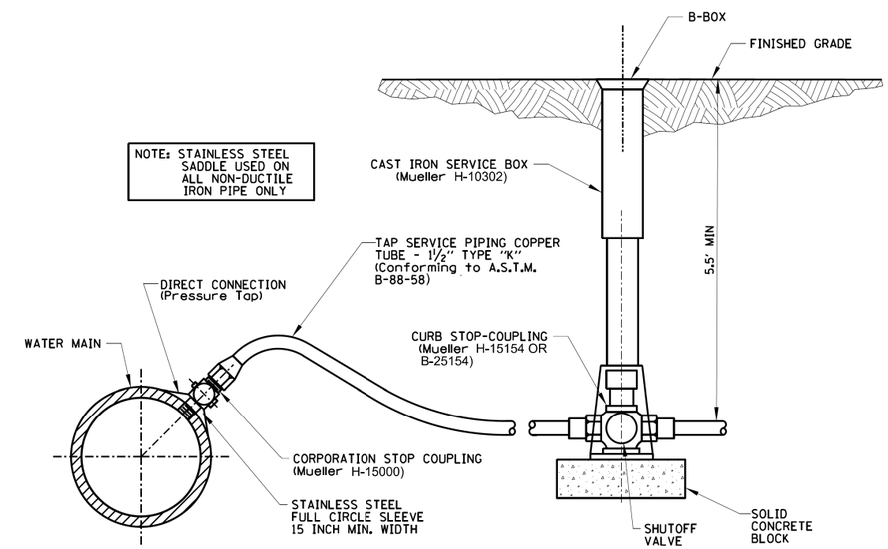
NOTE:
ALL TEES, CROSSES, BENDS, PLUGS, AND HYDRANTS SHALL BE PROPERLY BLOCKED.



FIRE HYDRANT



HYDRANT SIGN



RESIDENTIAL WATER SERVICE

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

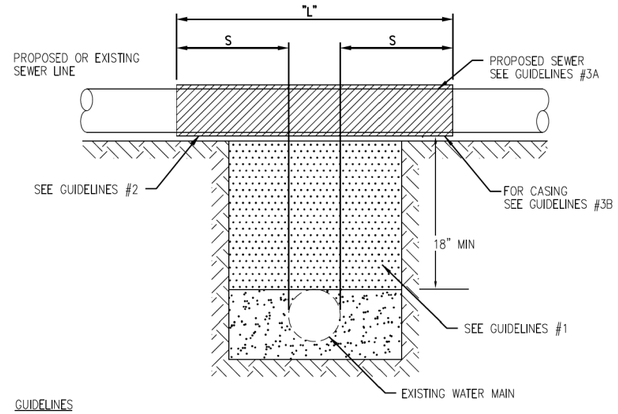
SCALE: N.T.S. | SHEET 5 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	93

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN



GUIDELINES

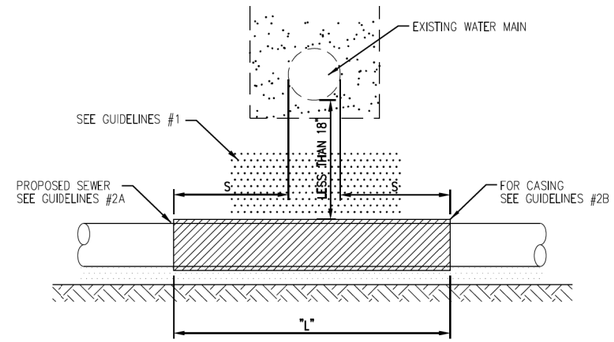
1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION



GUIDELINES

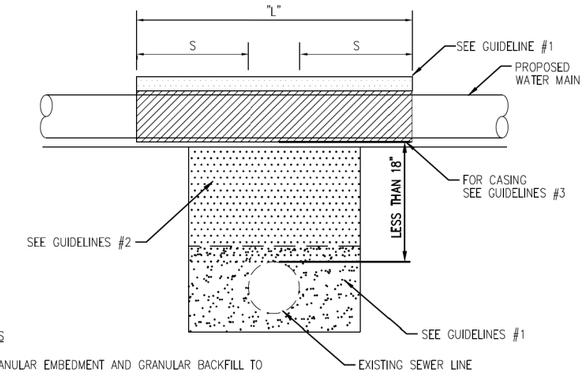
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION



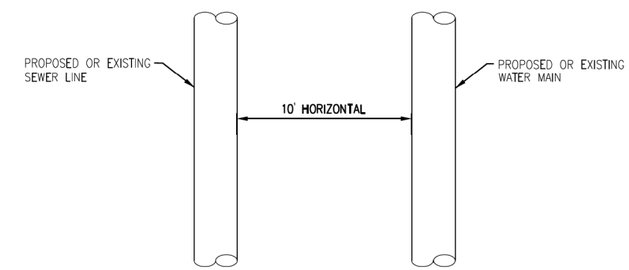
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

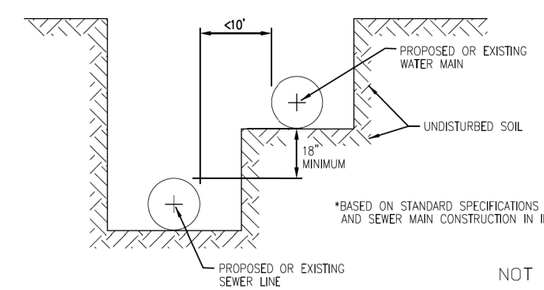
*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PER IEPA, WHEN **PROPOSED** SEWER (CR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED



PLAN VIEW

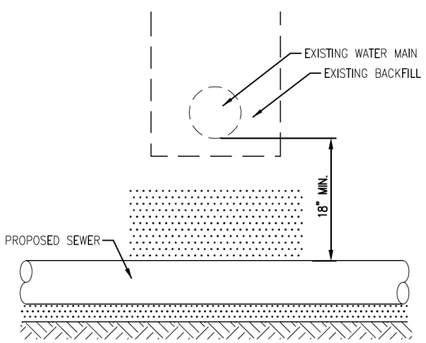
PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED **LESS THAN 10 FEET** FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY



*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

NOT TO SCALE

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION



GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED.**

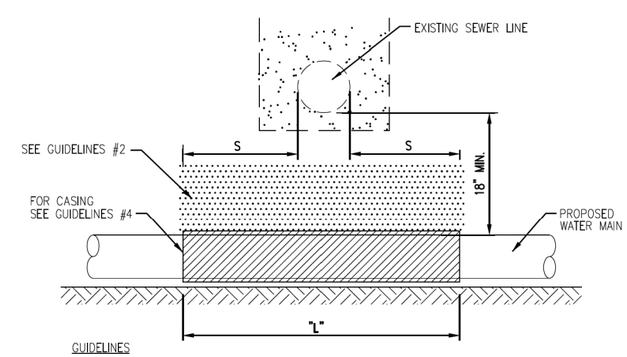
NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

TECHNICAL GUIDANCE MANUAL

7/1/15

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

STD. DWG. NO. 41

PAGE NO. 42

MODEL: 3993-0203-Details-11 [Sheet]
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

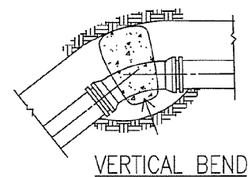
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 6 OF 7 SHEETS | STA. | TO STA.

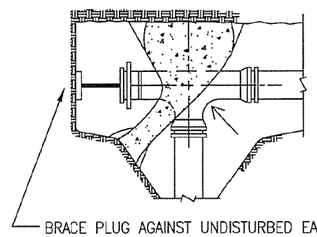
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	94

CONTRACT NO. 61M28

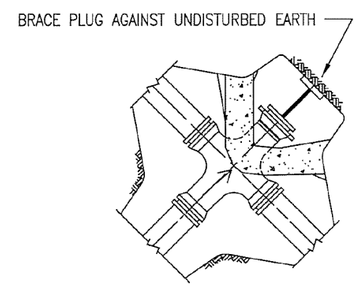
ILLINOIS | FED. AID PROJECT



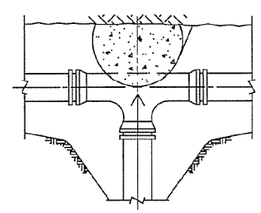
VERTICAL BEND



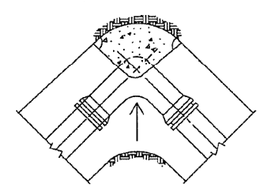
PLUGGED TEE



PLUGGED CROSS



TEE



90° ELBOW

NOTE: ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3000 P.S.I CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

STANDARD DRAWING NO.12

MODEL: 3993-0203-Details-12 [Sheet]
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

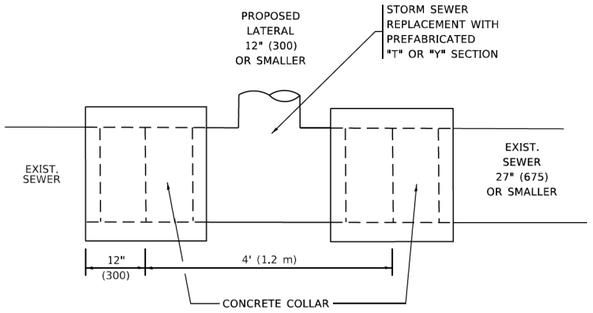
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 7 OF 7 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	95

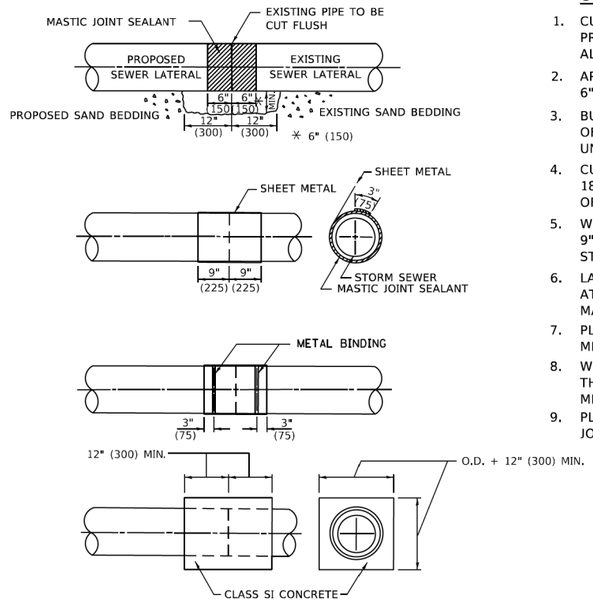
CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

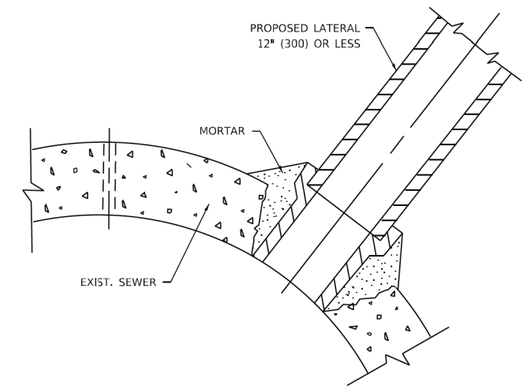


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

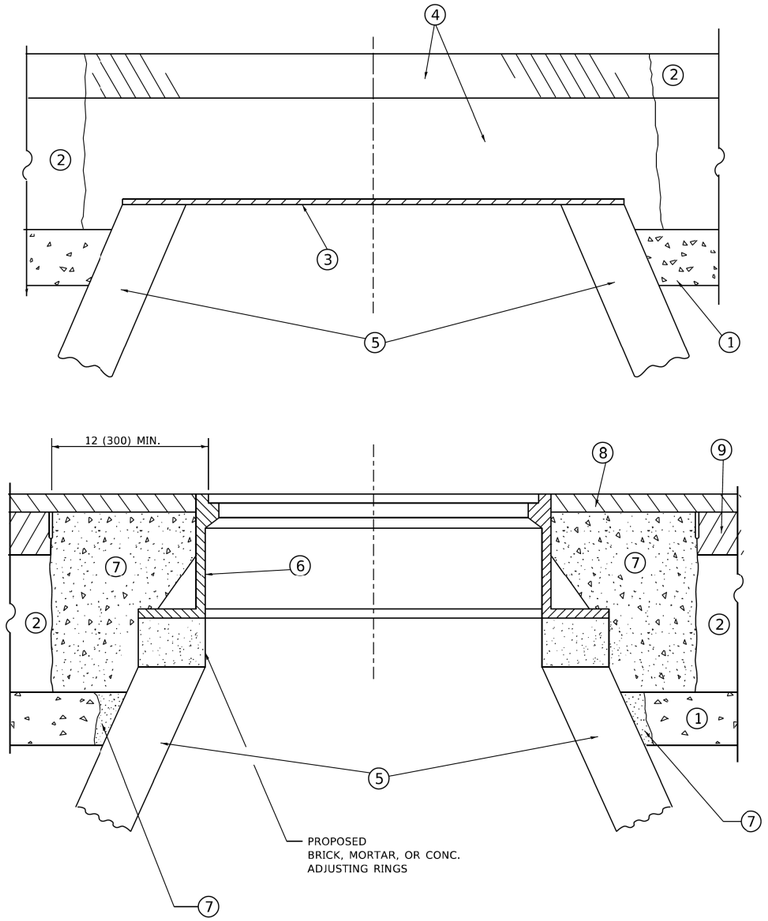
GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED - R. BORO 12-06-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22	
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23	

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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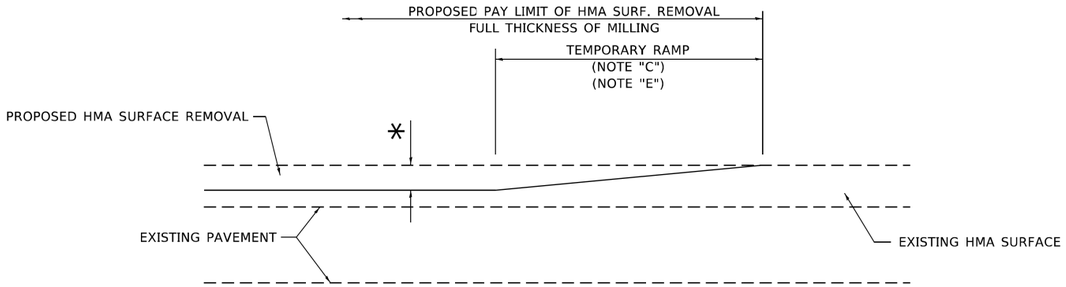
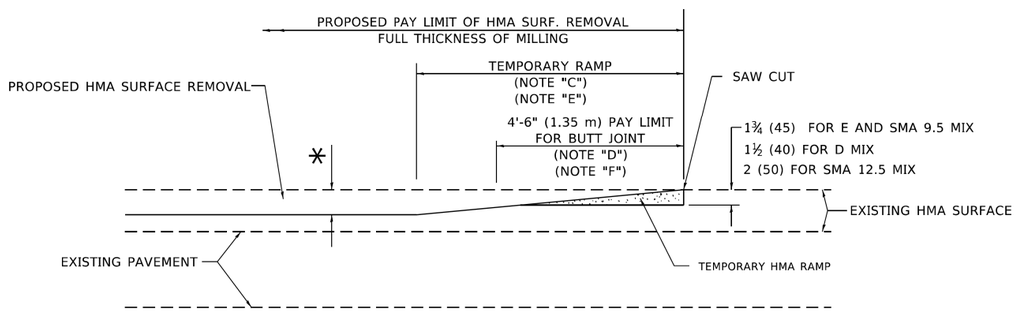
		ILLINOIS	FED. AID PROJECT	



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

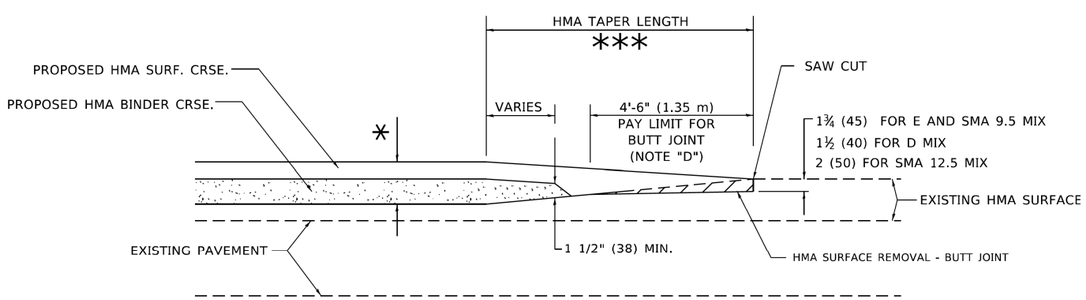


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

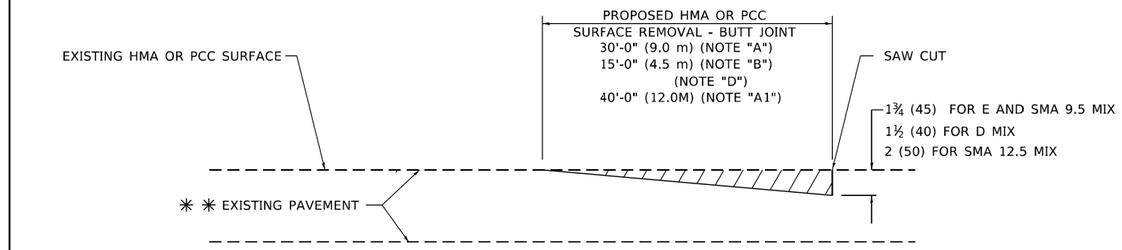
OPTION 2

TYPICAL TEMPORARY RAMP

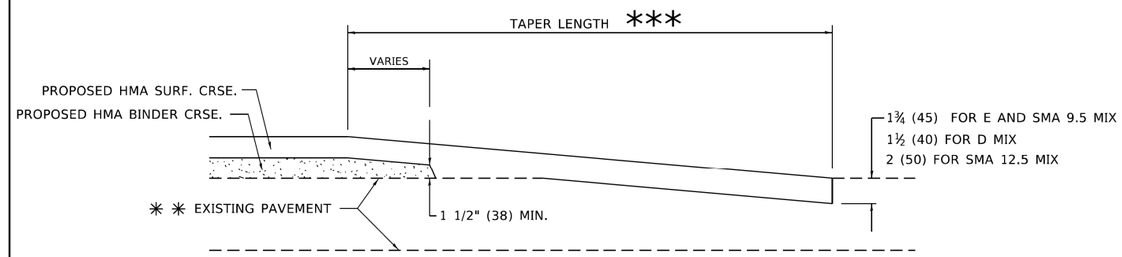


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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

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	DRAWN -	REVISED - M. GOMEZ 04-06-01	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
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BUTT JOINT AND HMA TAPER DETAILS

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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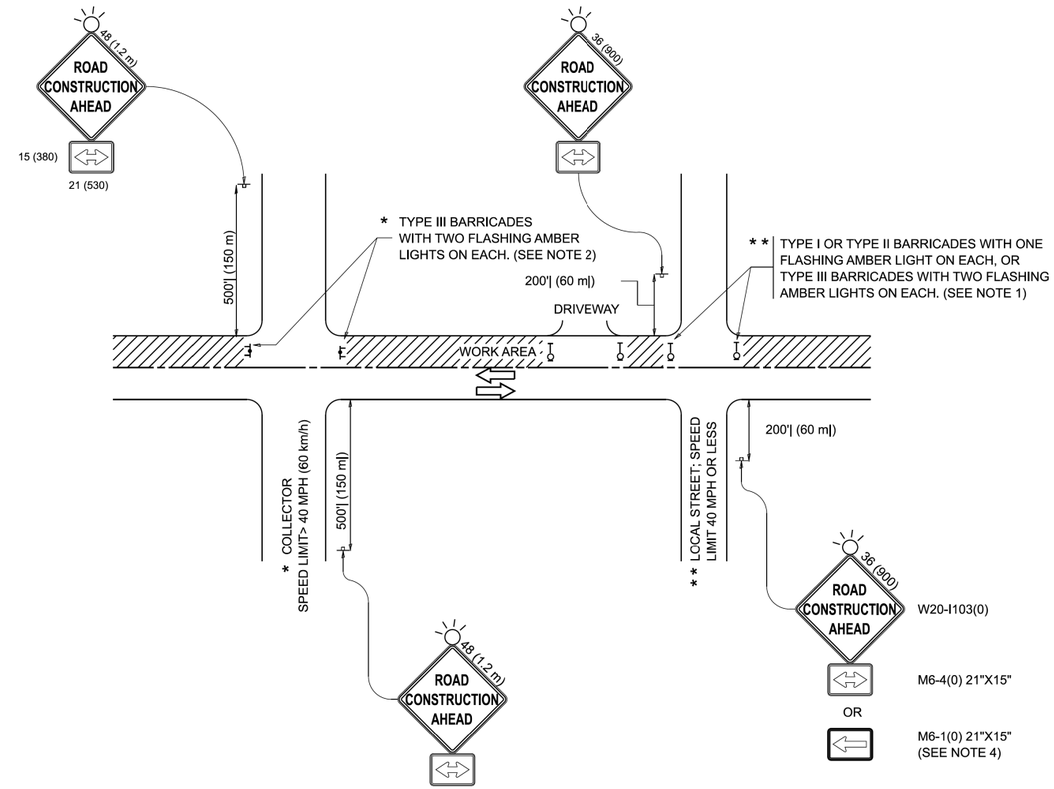

NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 0.08333317 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25	

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

SCALE: | SHEET OF SHEETS | STA. TO STA.

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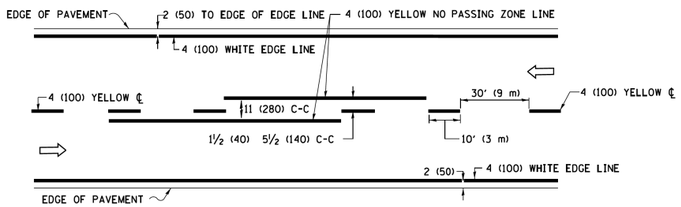
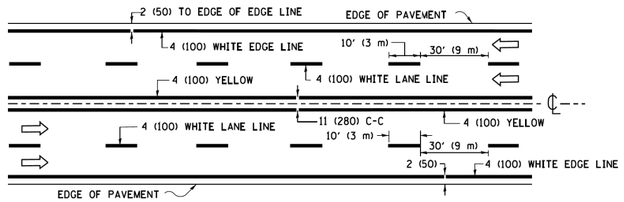
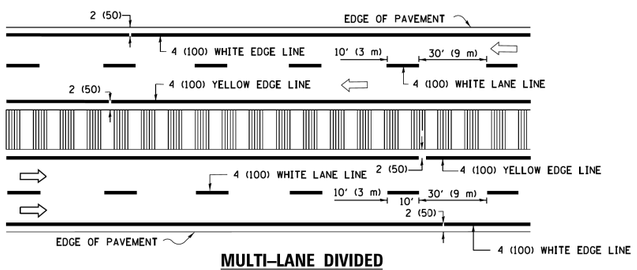


2–LANE ROADWAY



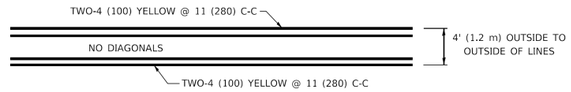
MULTI–LANE UNDIVIDED



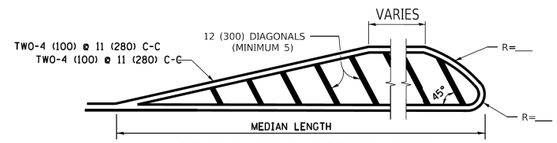
MULTI–LANE DIVIDED

WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



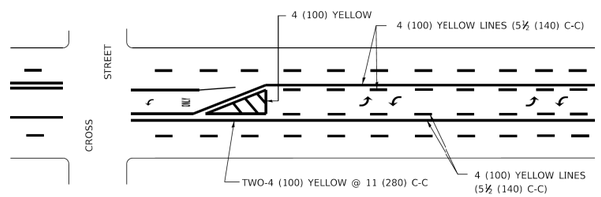
4' (1.2 m) WIDE MEDIANS ONLY



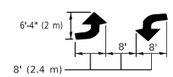
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

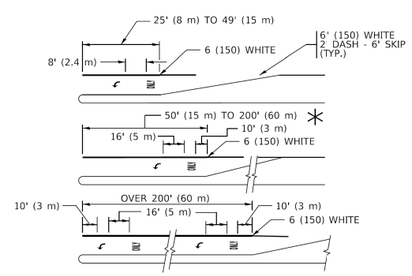


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

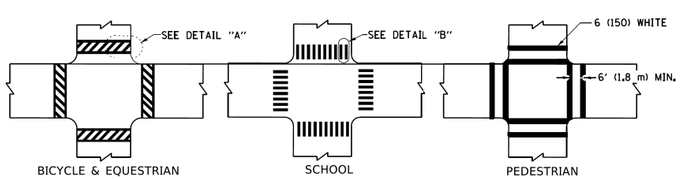


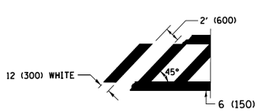
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

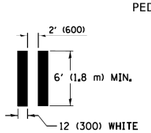
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING





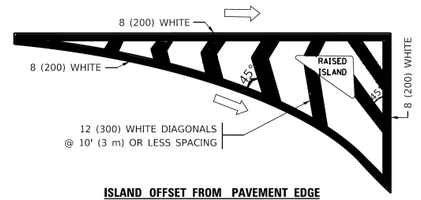
DETAIL "A"



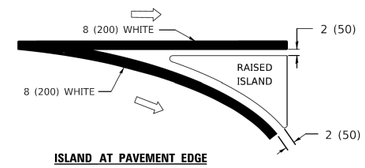
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

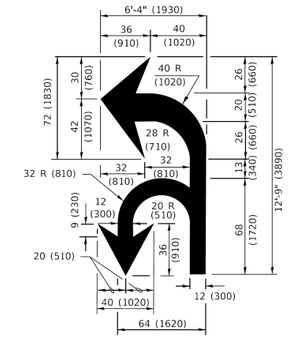


ISLAND OFFSET FROM PAVEMENT EDGE

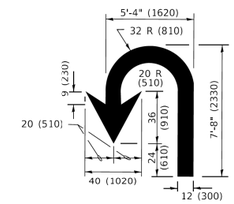


ISLAND AT PAVEMENT EDGE

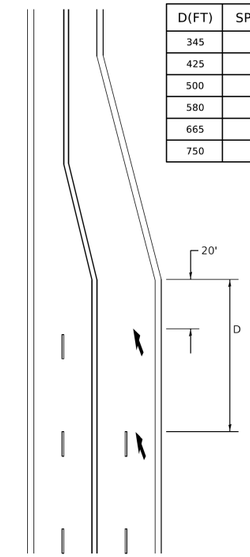
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: Default
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	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

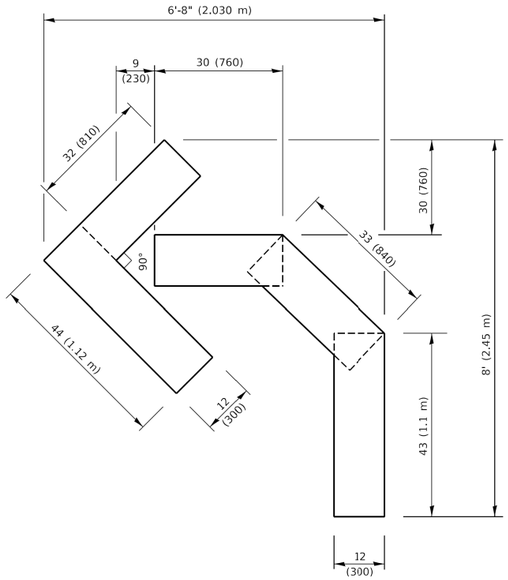
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. TO STA.

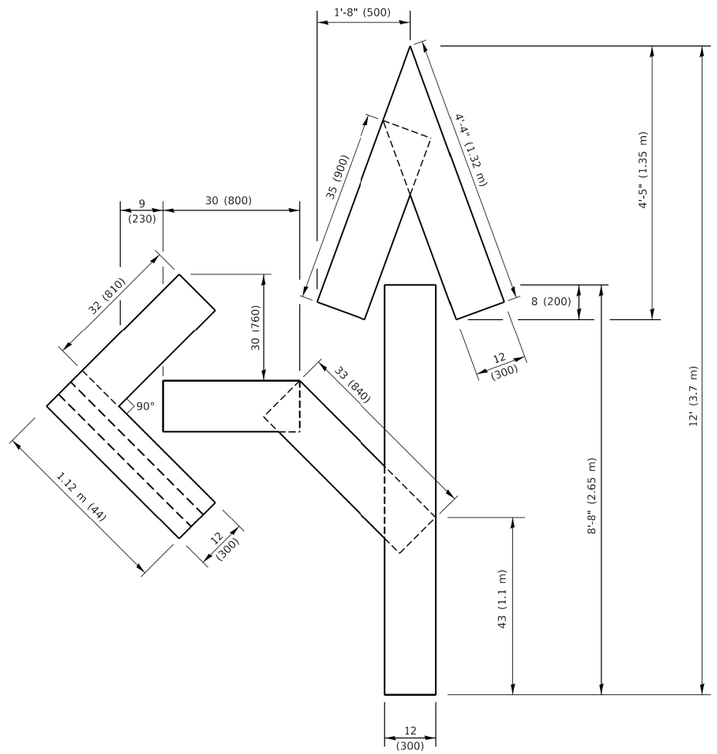
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	100
	TC–13	CONTRACT NO.61M28		
		ILLINOIS FED. AID PROJECT		

tc13.dgn 3/4/2019 10:34:37 AM User=footemj



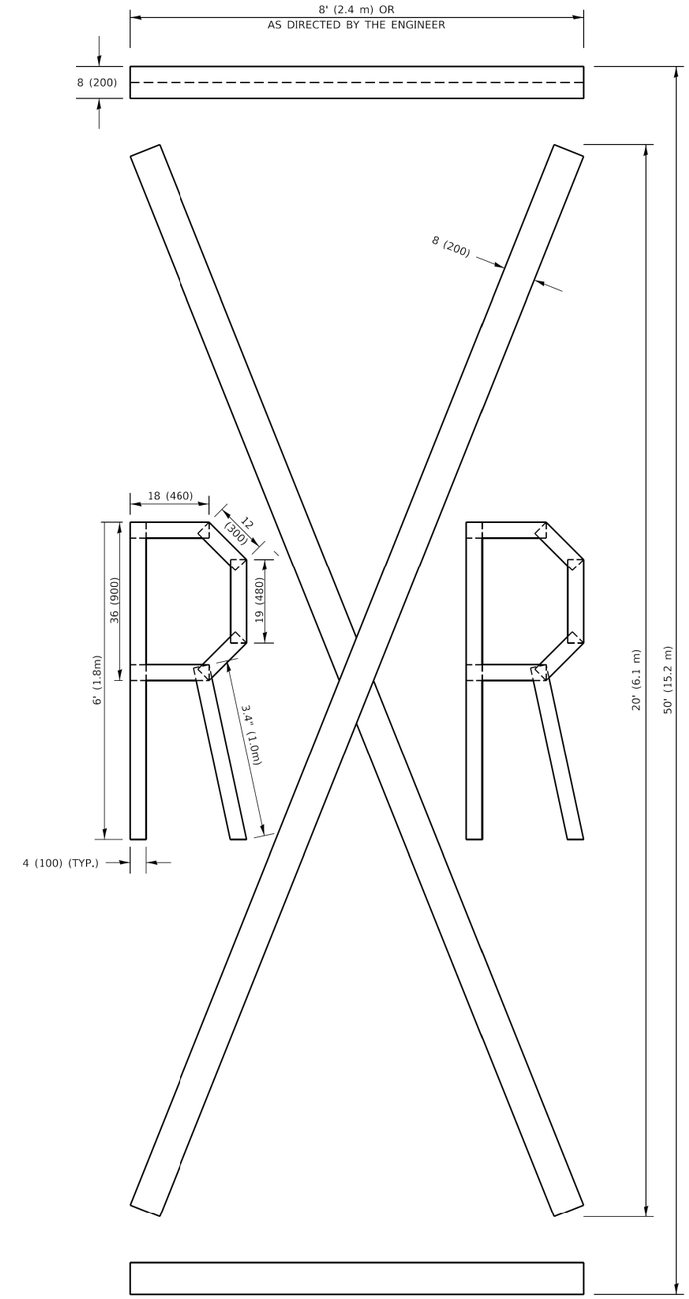
QUANTITY

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



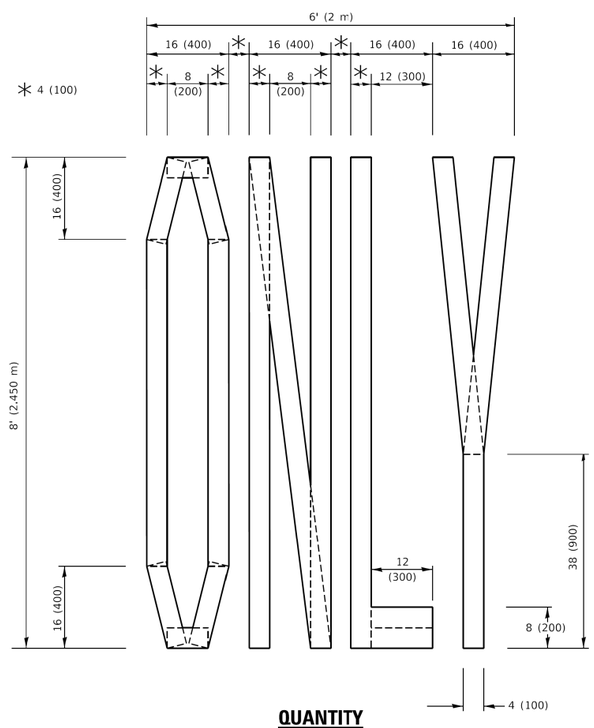
QUANTITY

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



QUANTITY

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



QUANTITY

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

NOTE:

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

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

MODEL: Default
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	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

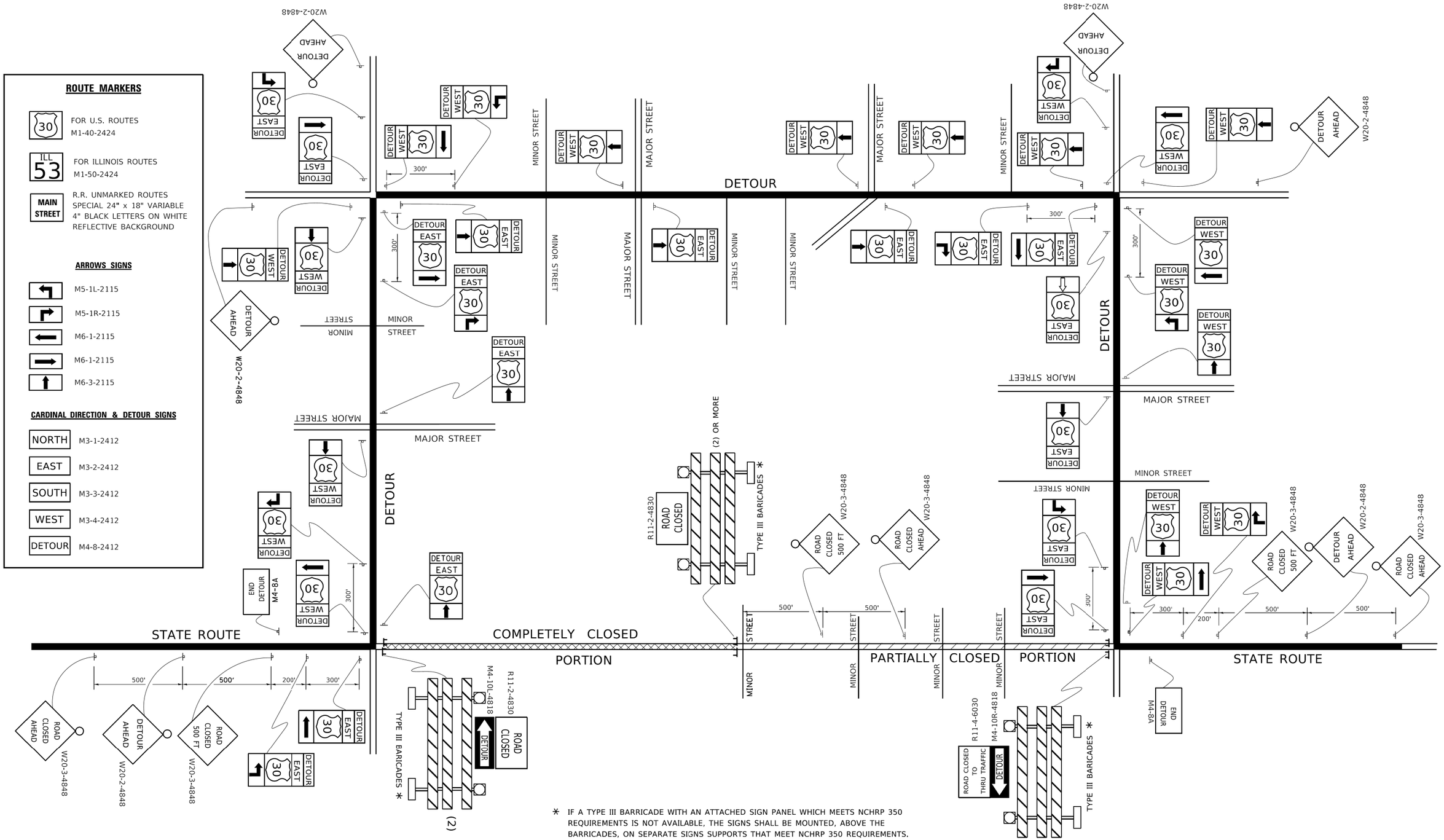
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	101
	TC–16	CONTRACT NO.61M28		
	ILLINOIS	FED. AID PROJECT		

tc16.dgn 3/4/2019 10:37:35 AM User=footemj



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

MODEL: Default
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	DRAWN -	REVISED - R. BORO 09-14-09	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

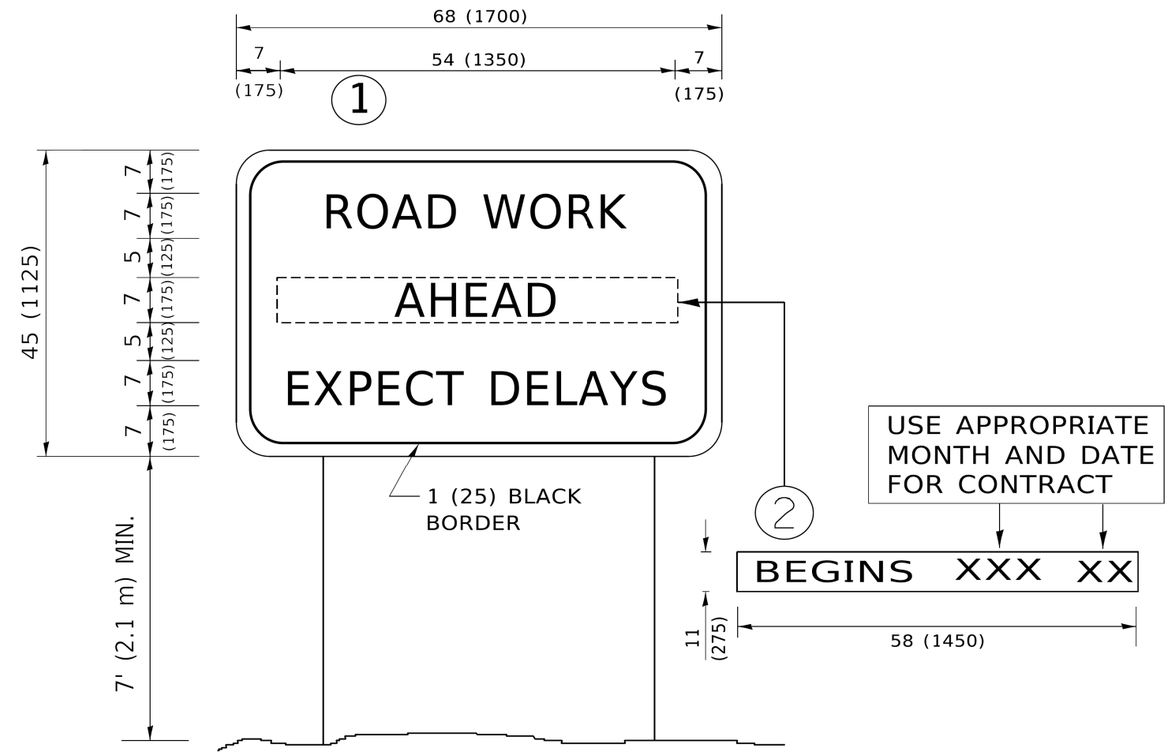
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	102

TC-21

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



NOTES:

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

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

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\022x34\CADData\CADsheets\tc22.dgn

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	DRAWN -	REVISED - R. MIRS 12-11-97			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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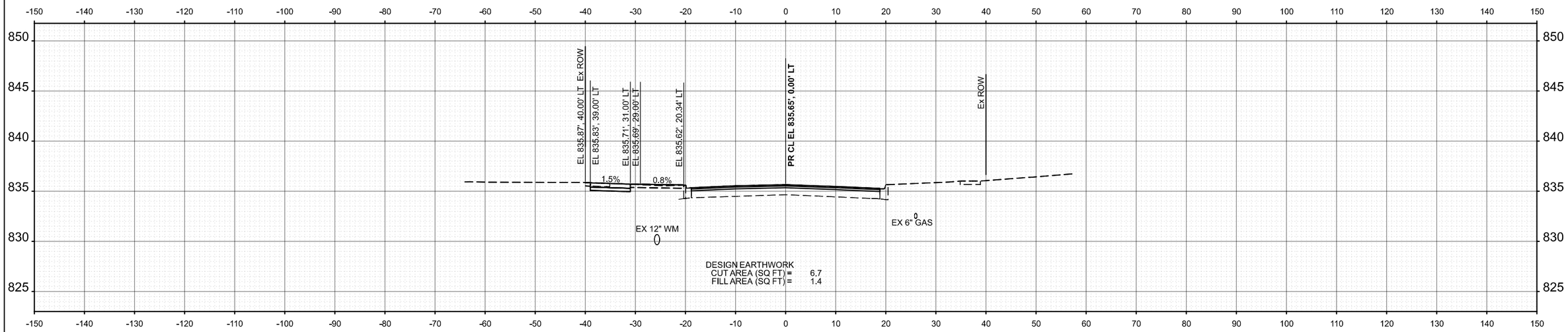
TC–22		CONTRACT NO.61M28		
		ILLINOIS	FED. AID PROJECT	



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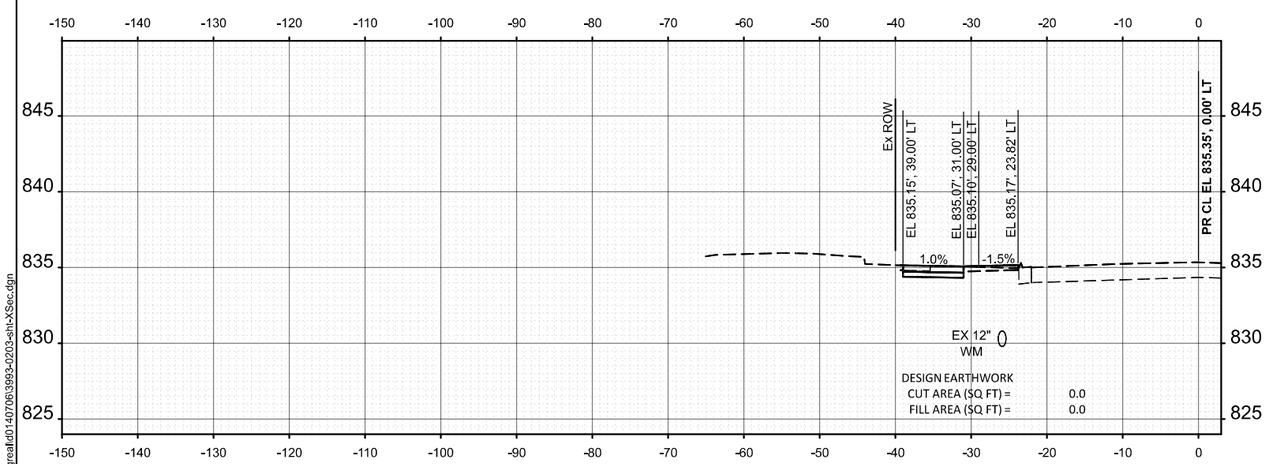

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(AHEAD ONLY)

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	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

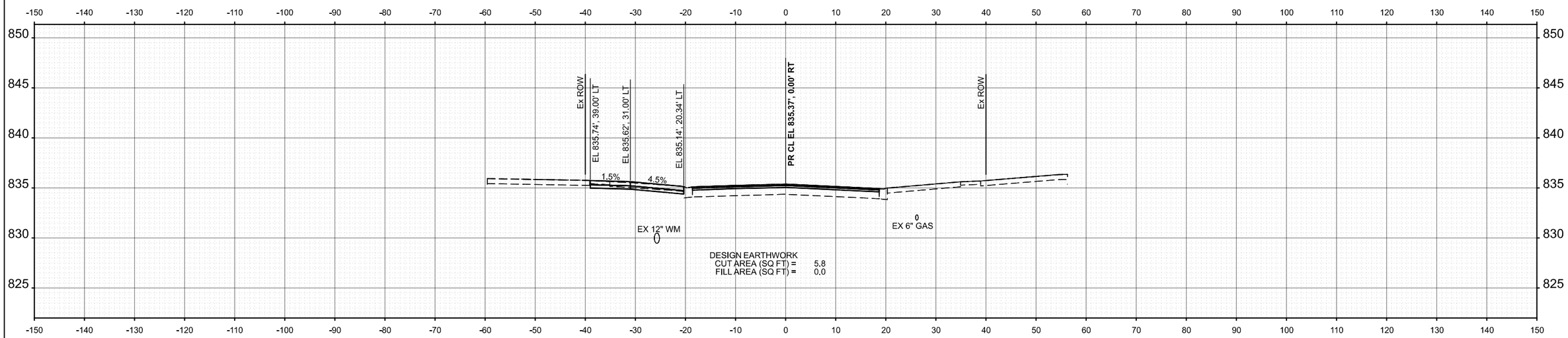
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: | SHEET 1 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	104

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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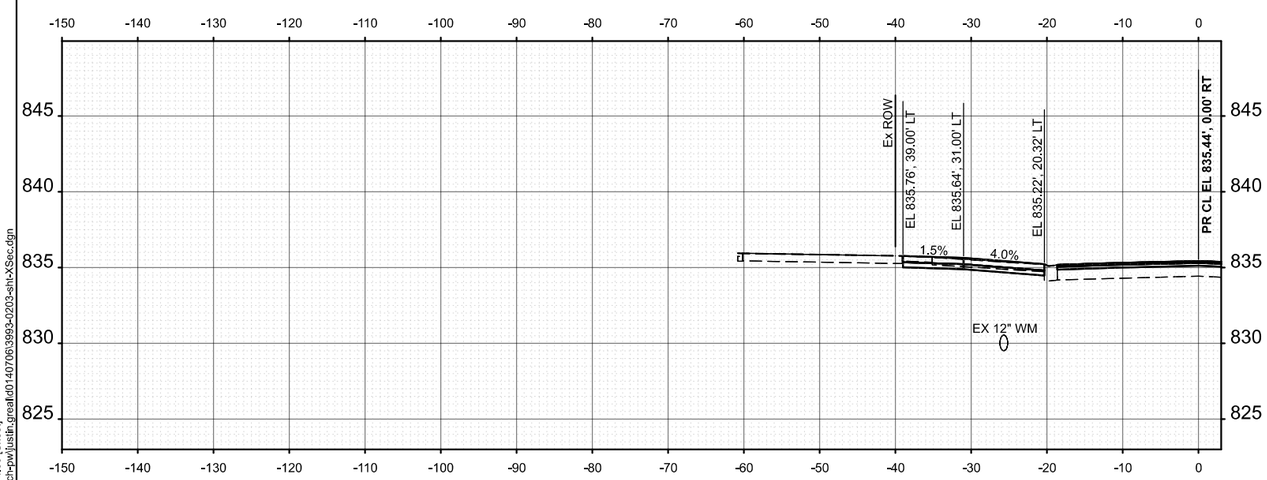

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

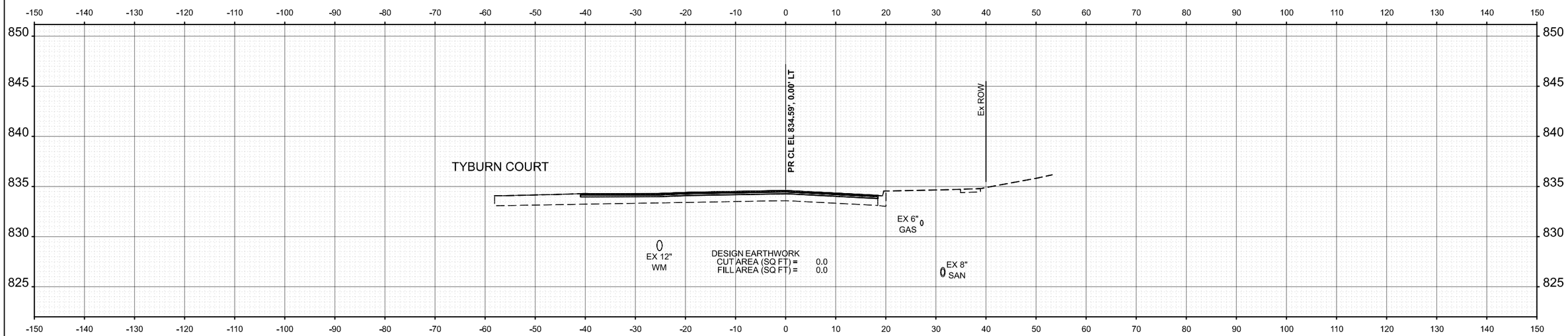
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	105

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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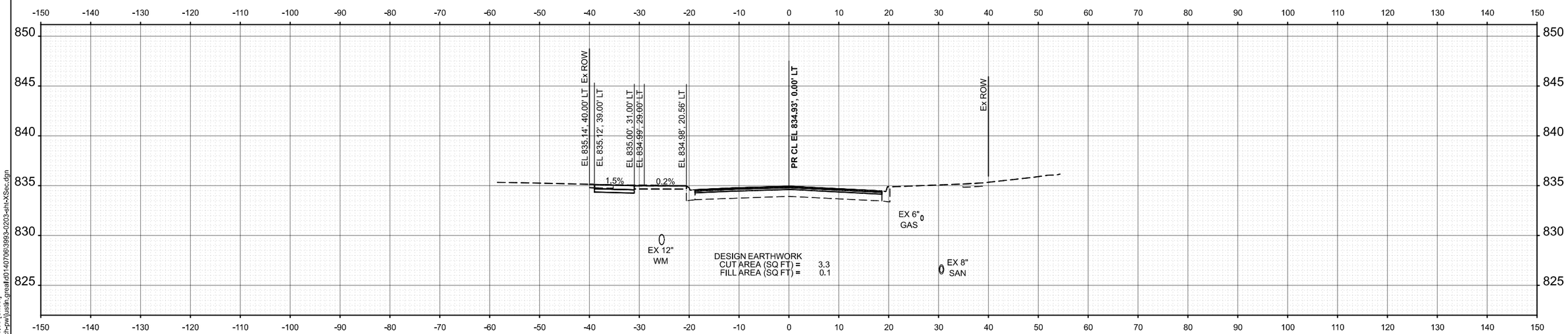

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

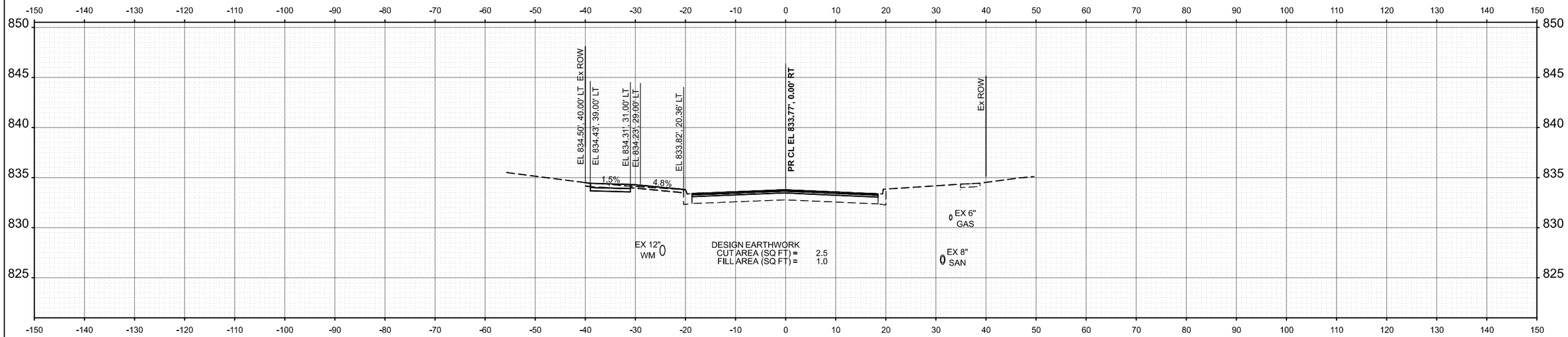
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 3 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	106

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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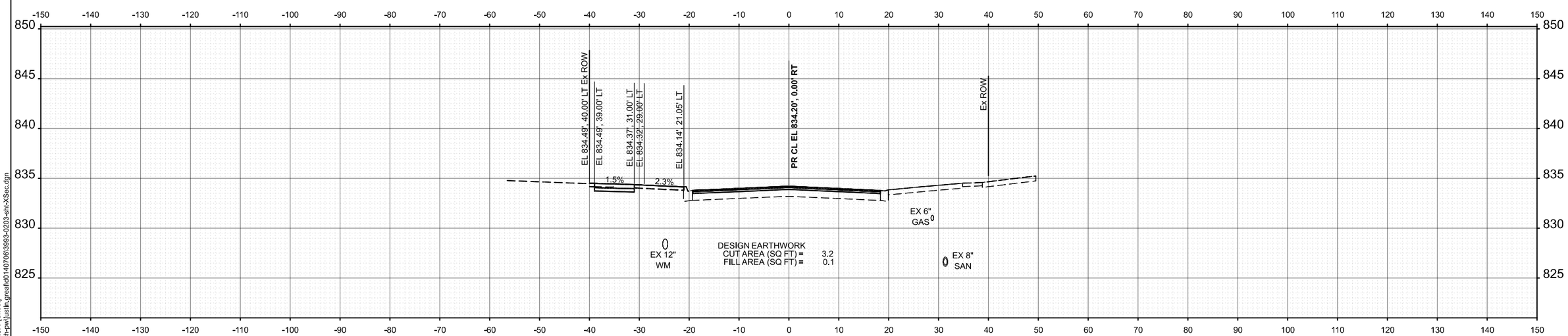

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

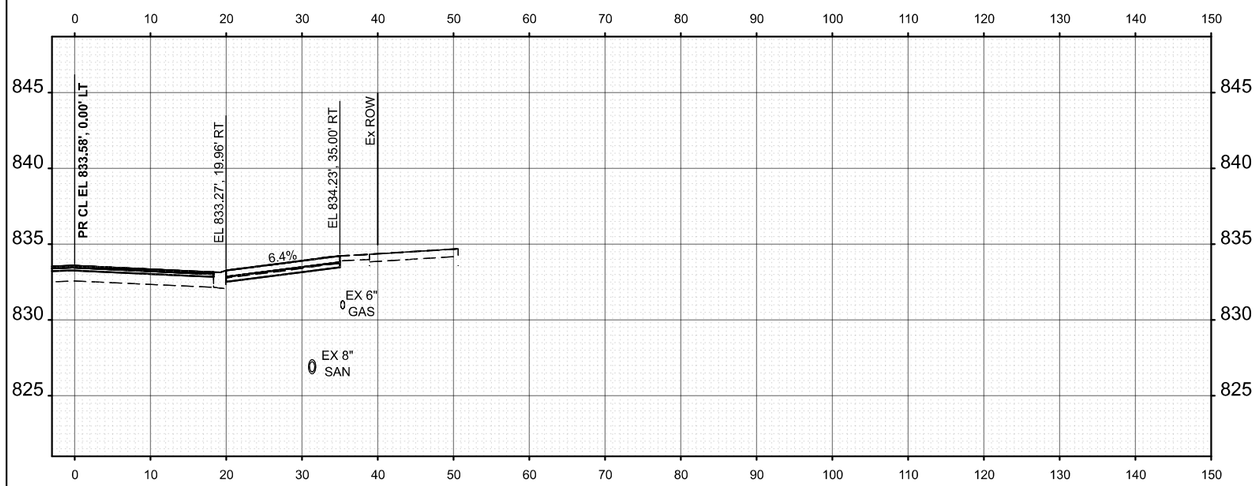
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 4 OF 69 SHEETS | STA. TO STA.

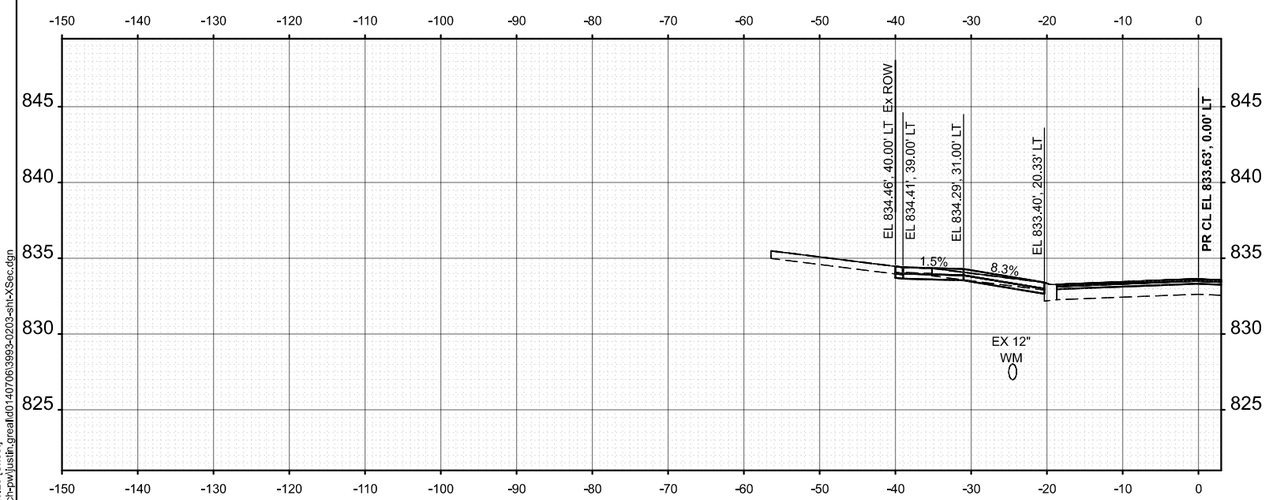
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	107

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 331+28.66



STA 331+20.28

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

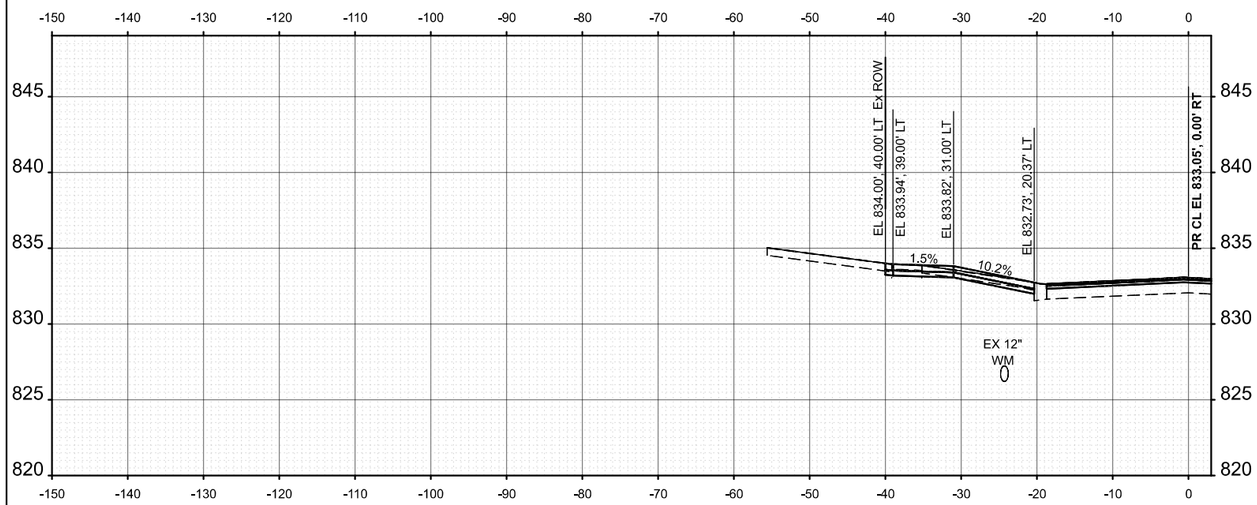
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 5 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	108

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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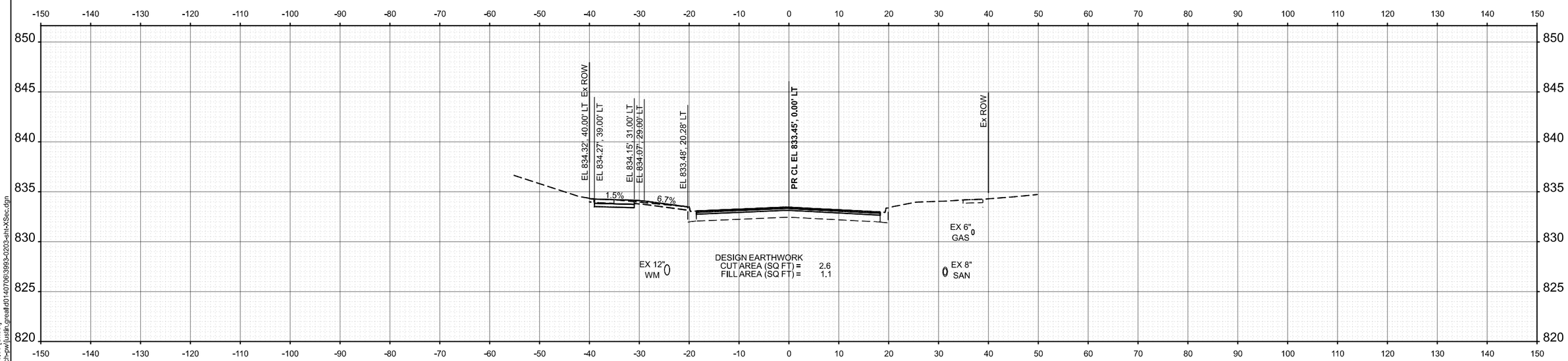

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PLOT DATE = 12/10/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

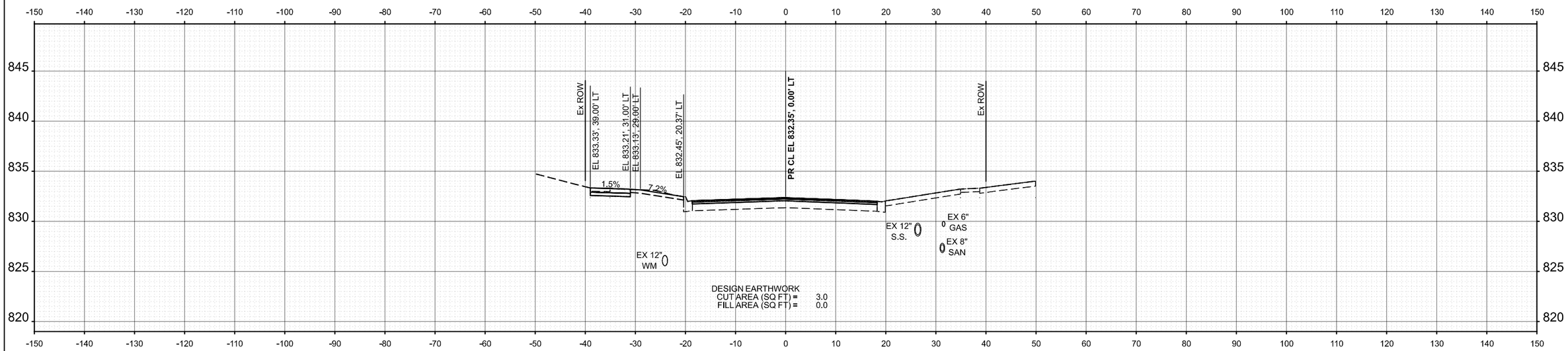
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 6 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	109

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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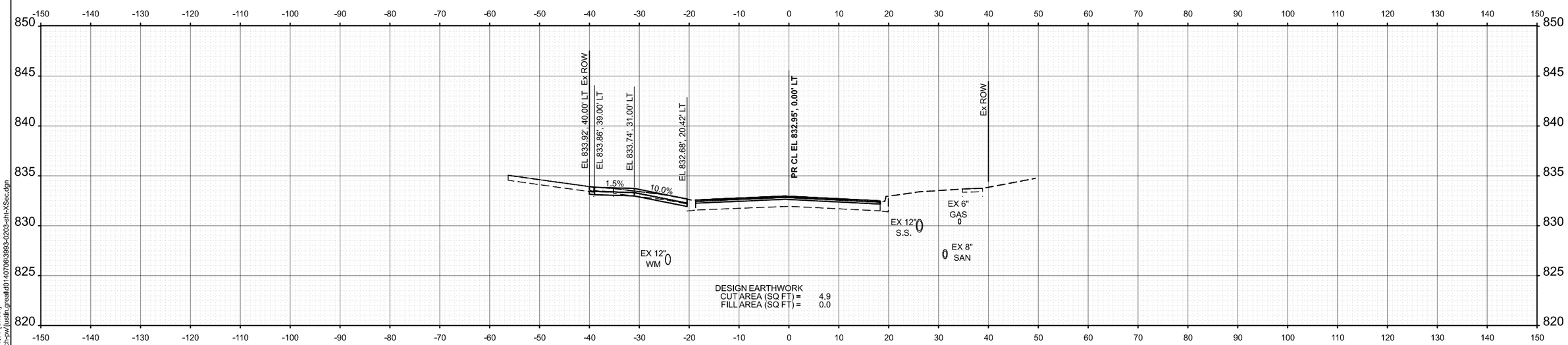

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

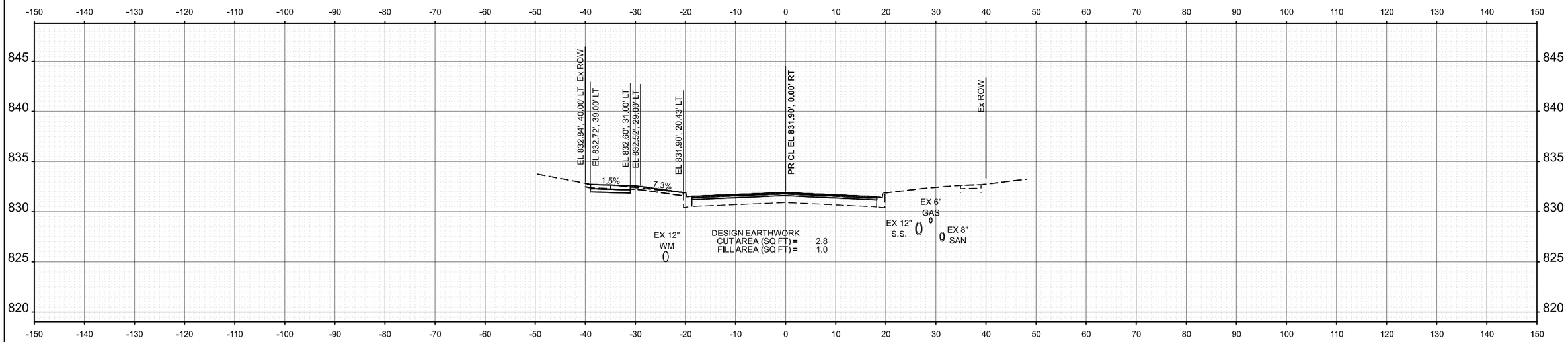
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 7 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	110

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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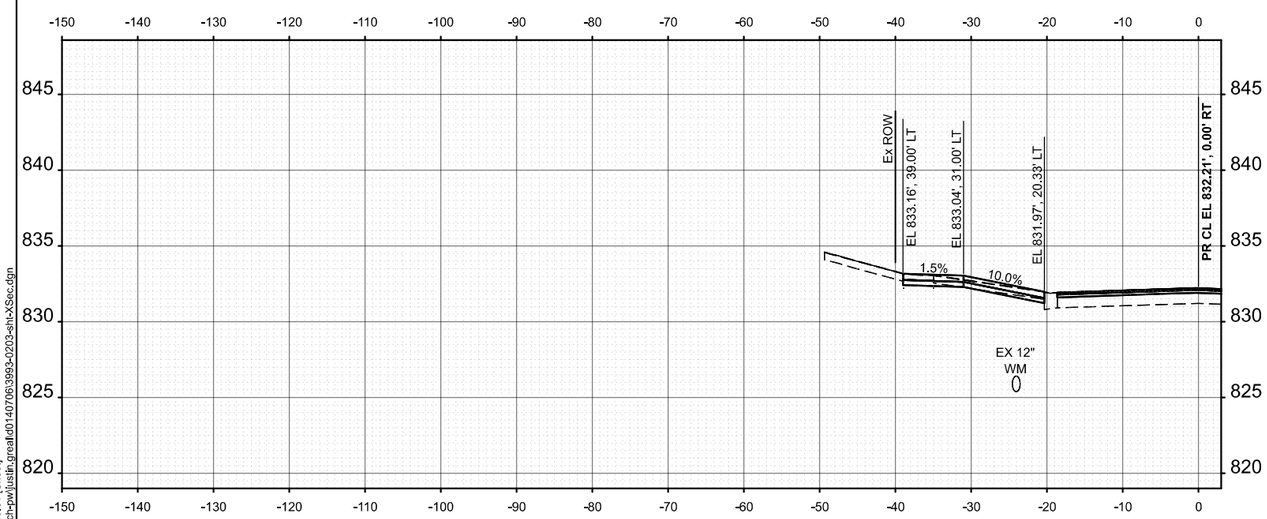

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	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

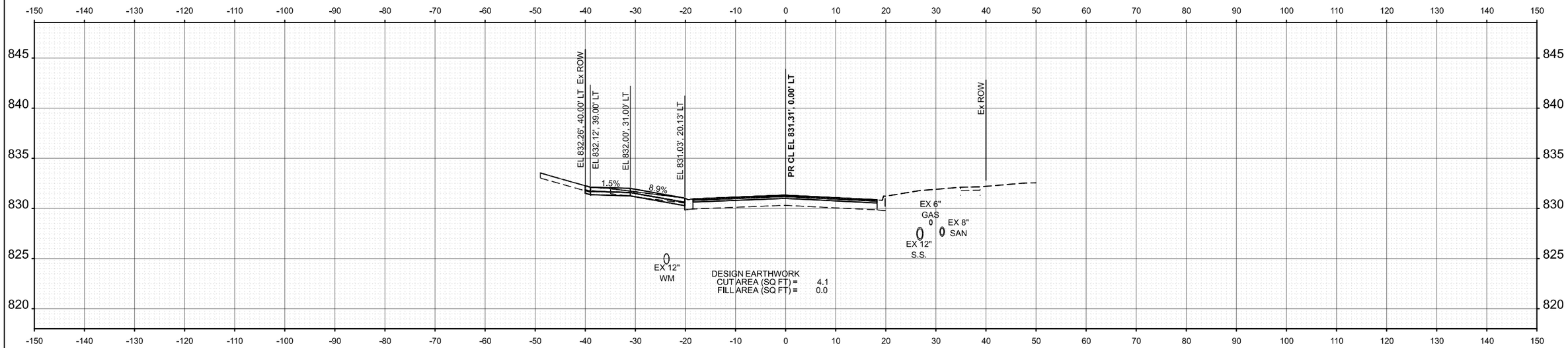
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 8 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	111

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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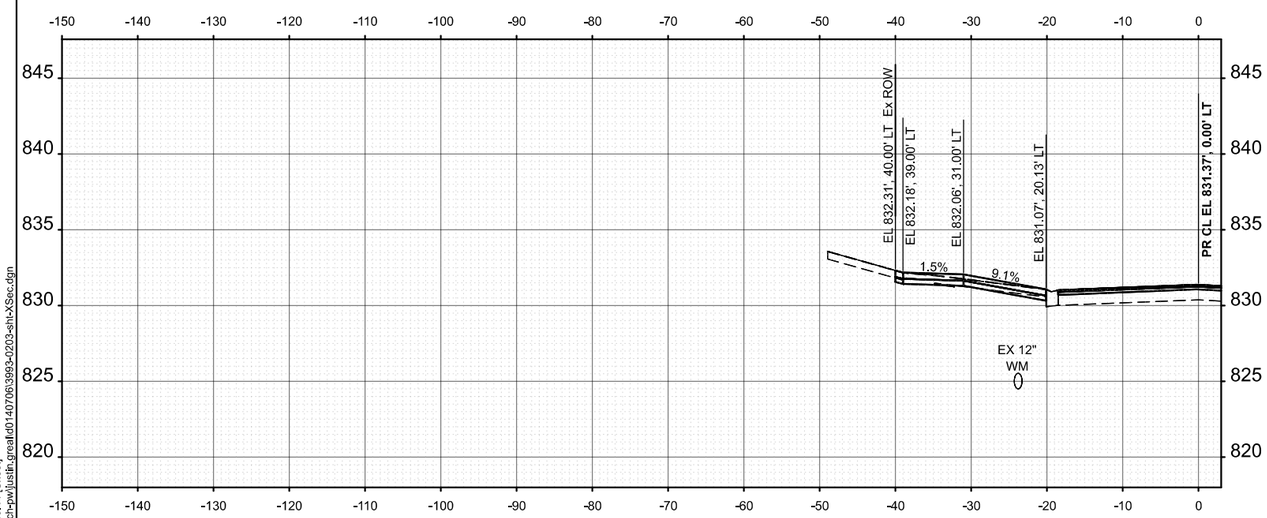

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

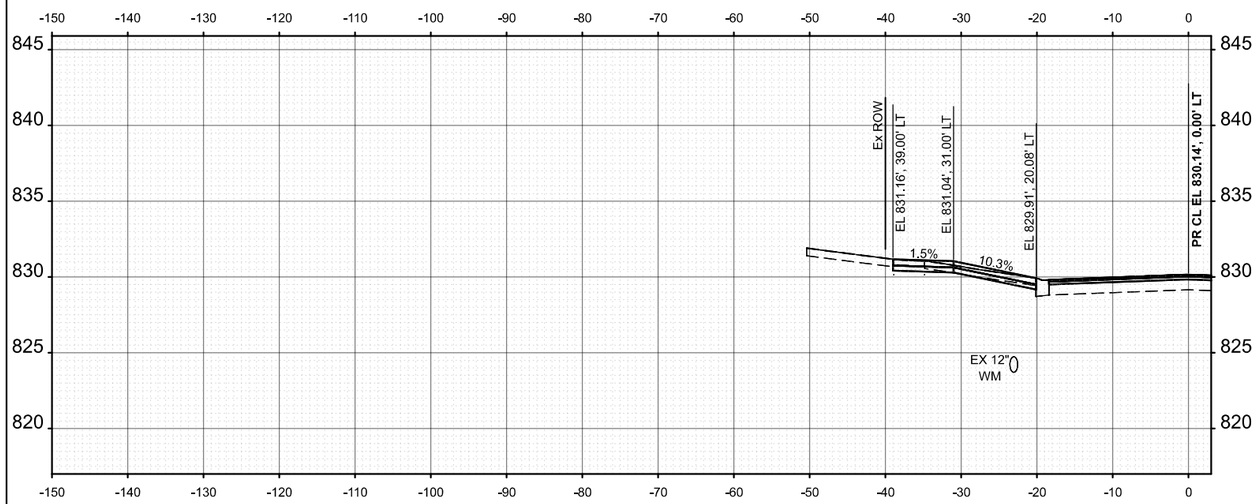
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 9 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	112

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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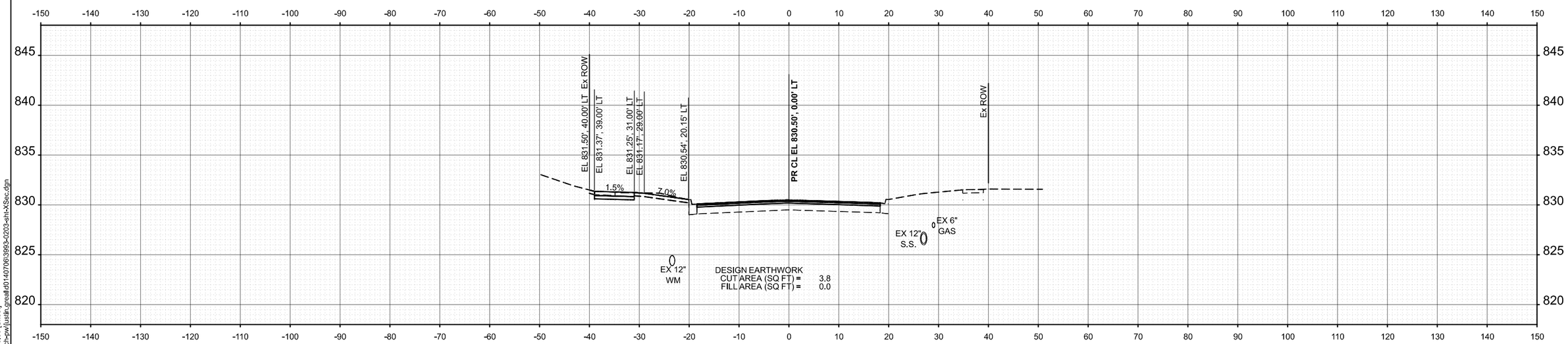

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

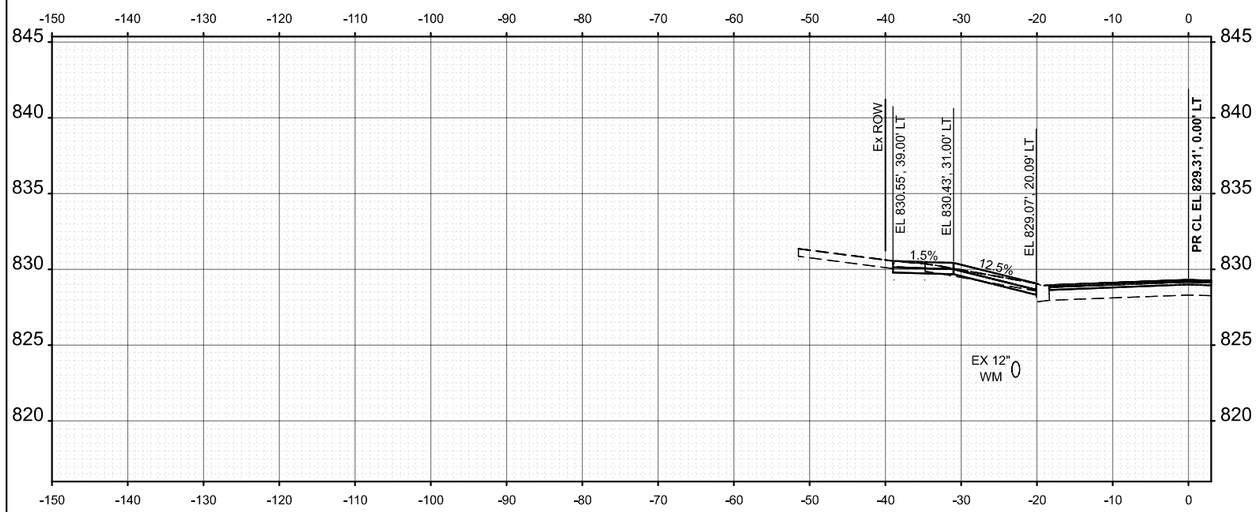
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 10 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	113

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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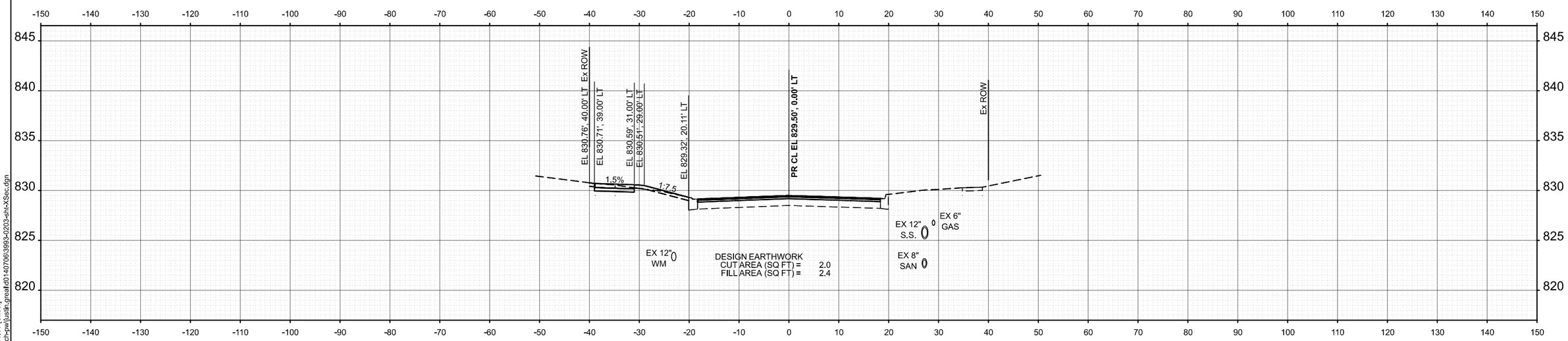

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

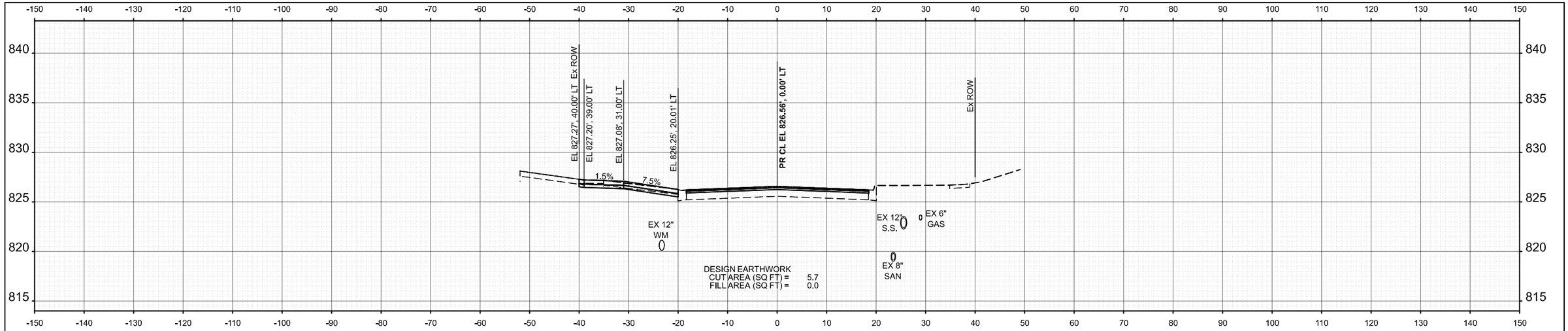
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 11 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	114

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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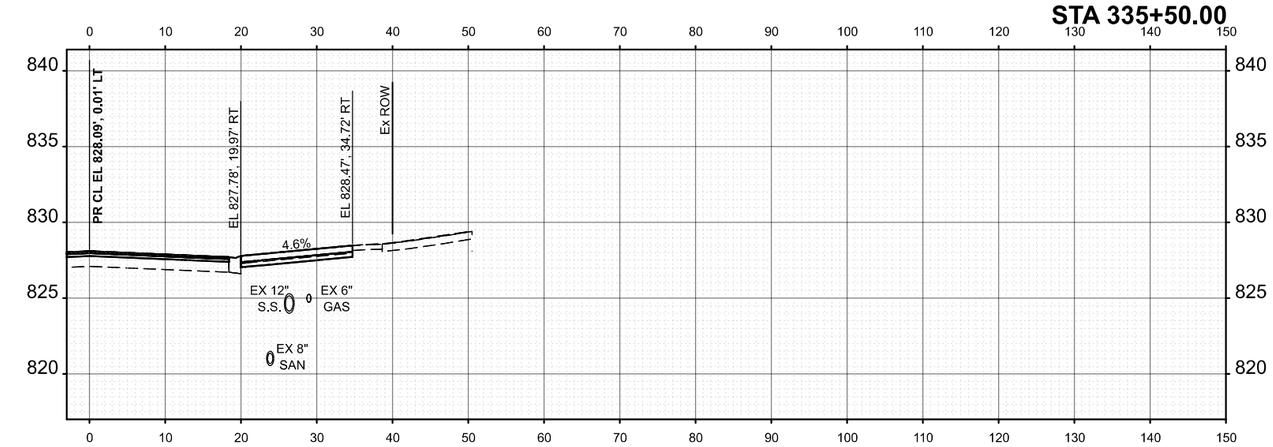

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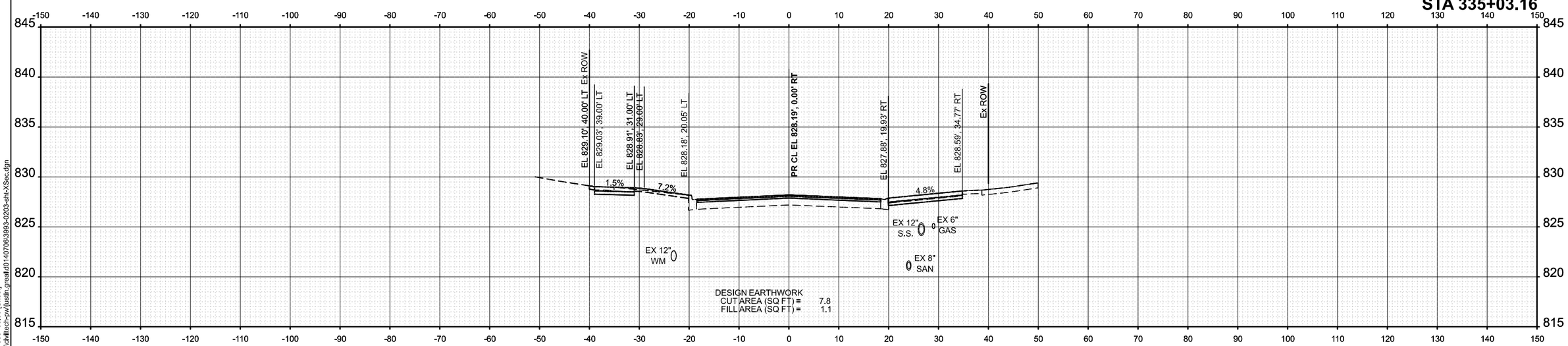

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

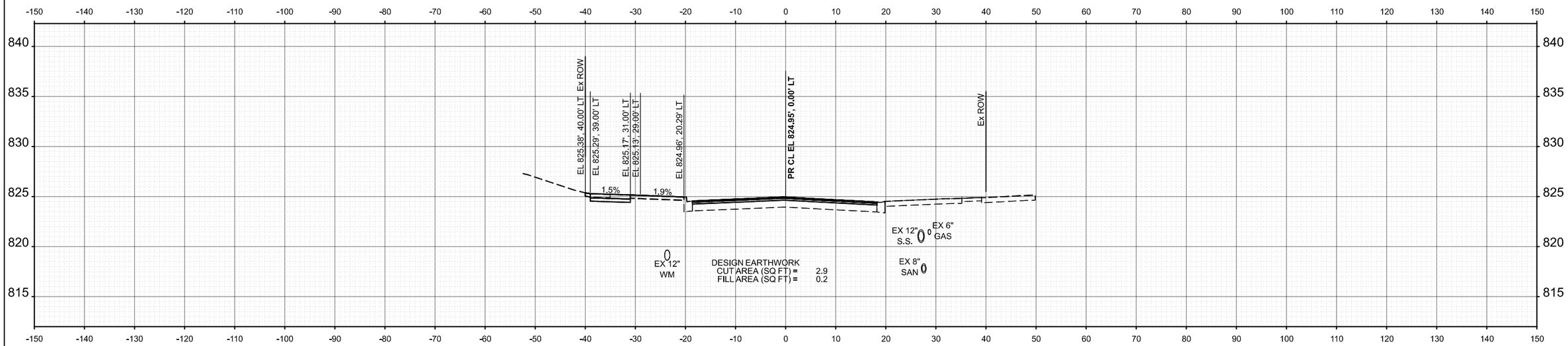
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 12 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	115

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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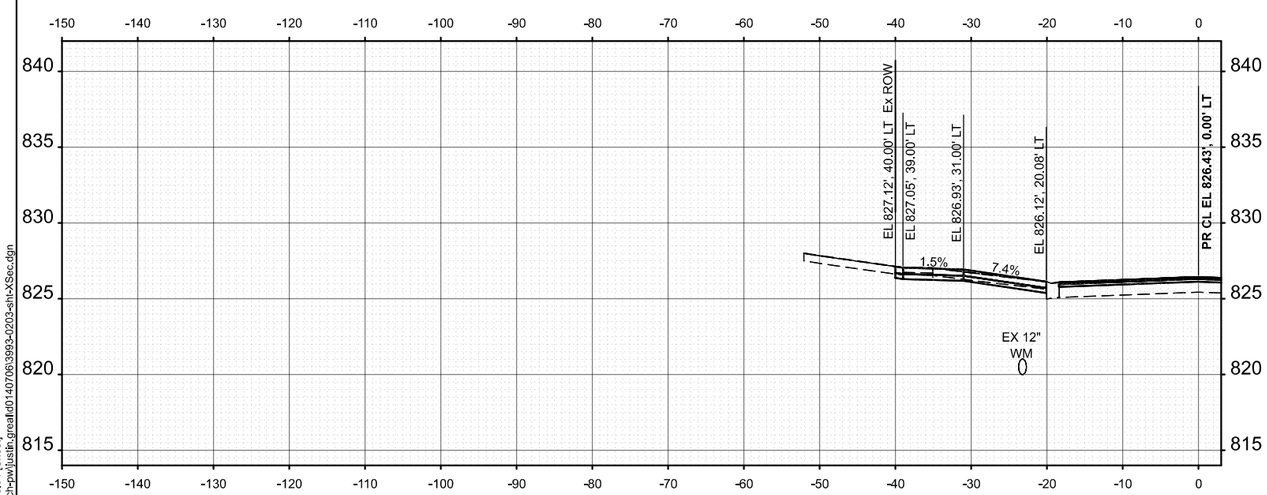

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

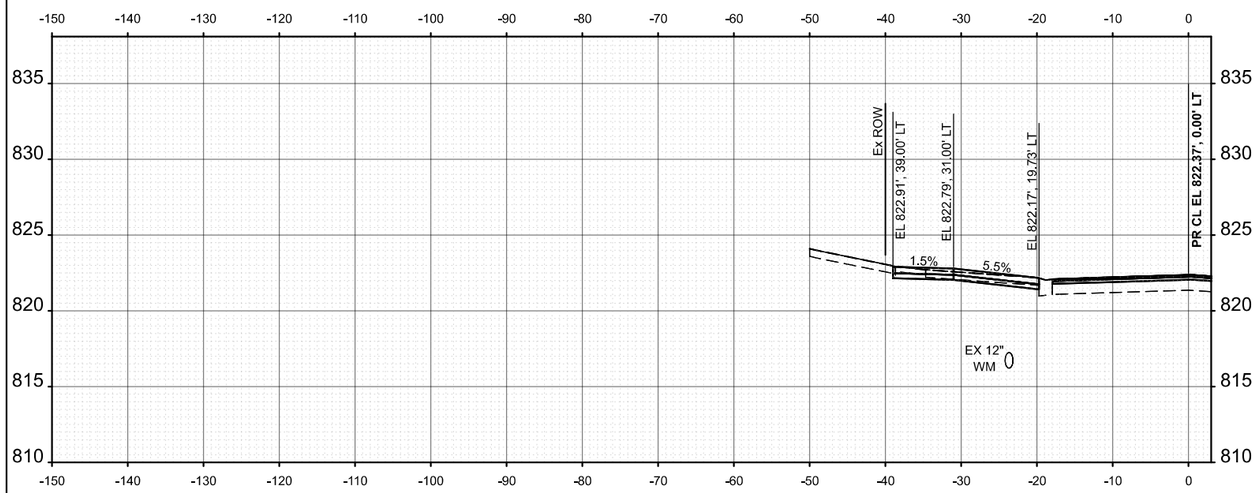
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 13 OF 69 SHEETS | STA. | TO STA.

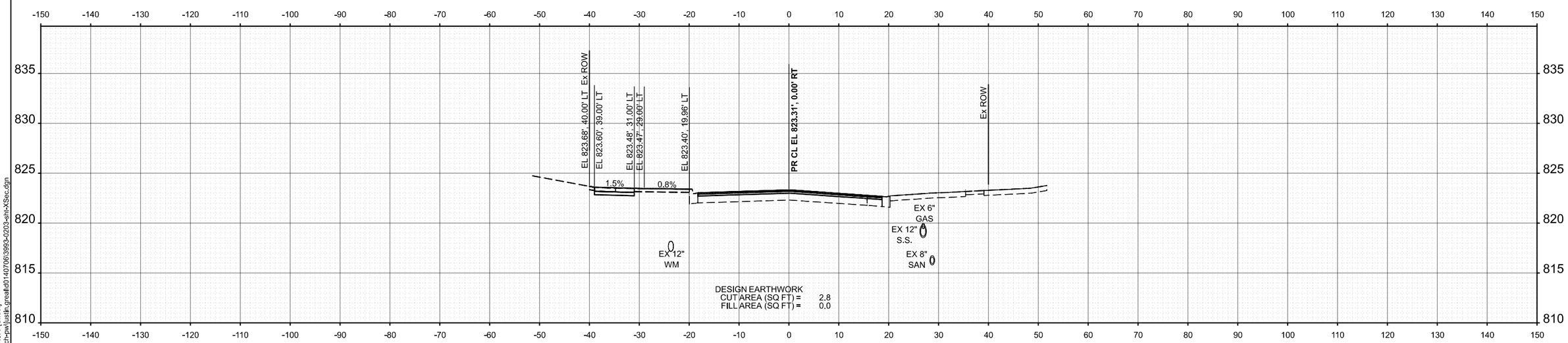
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	116

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 336+81.86



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

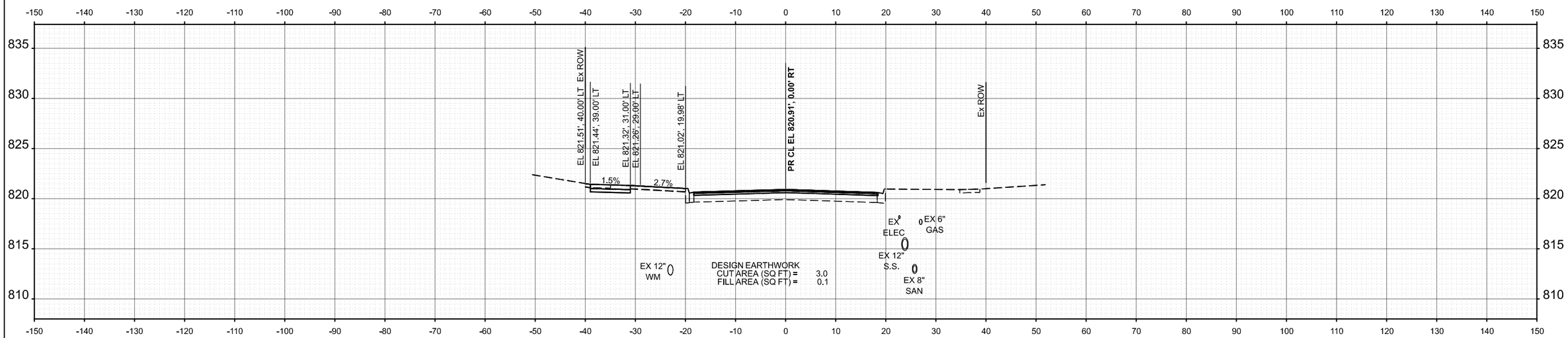
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 14 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	117

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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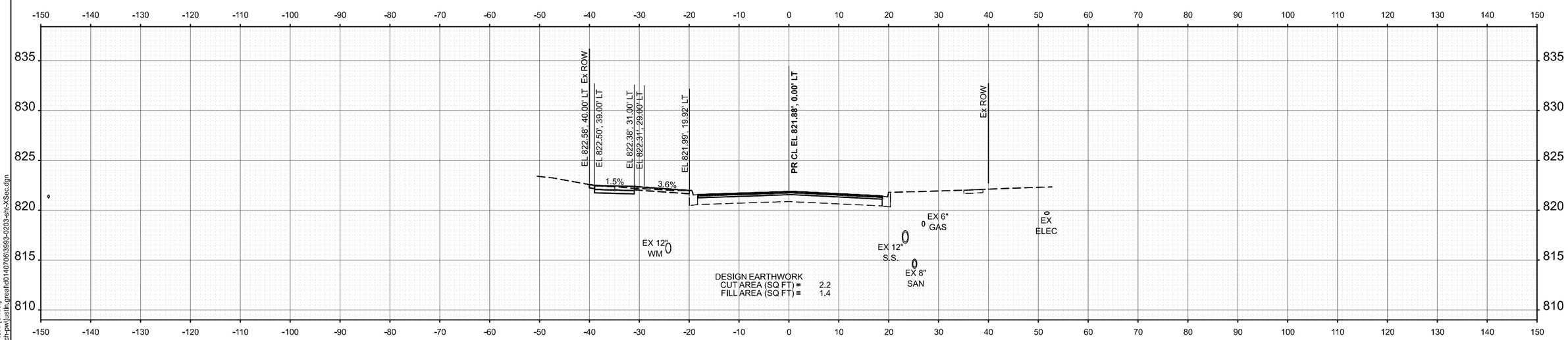

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

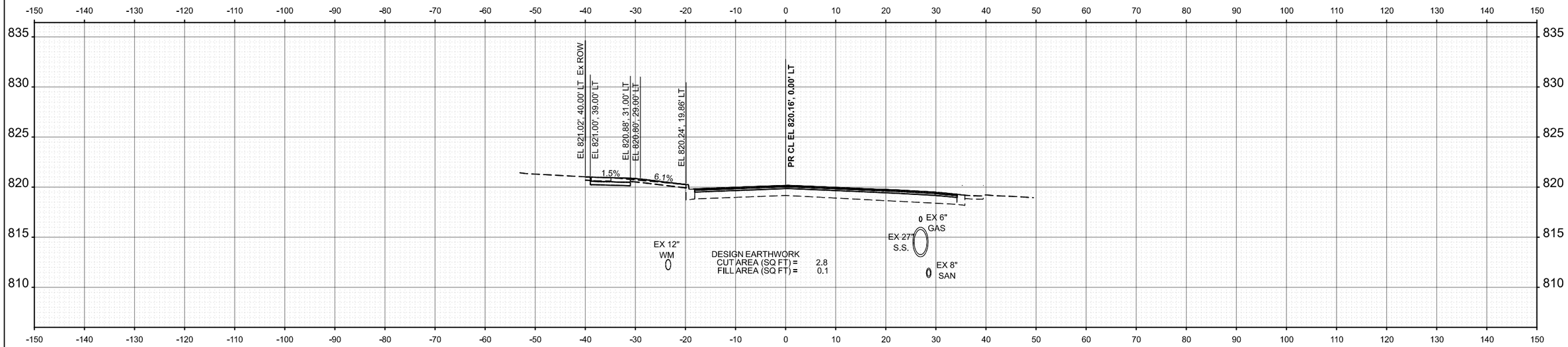
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 15 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	118

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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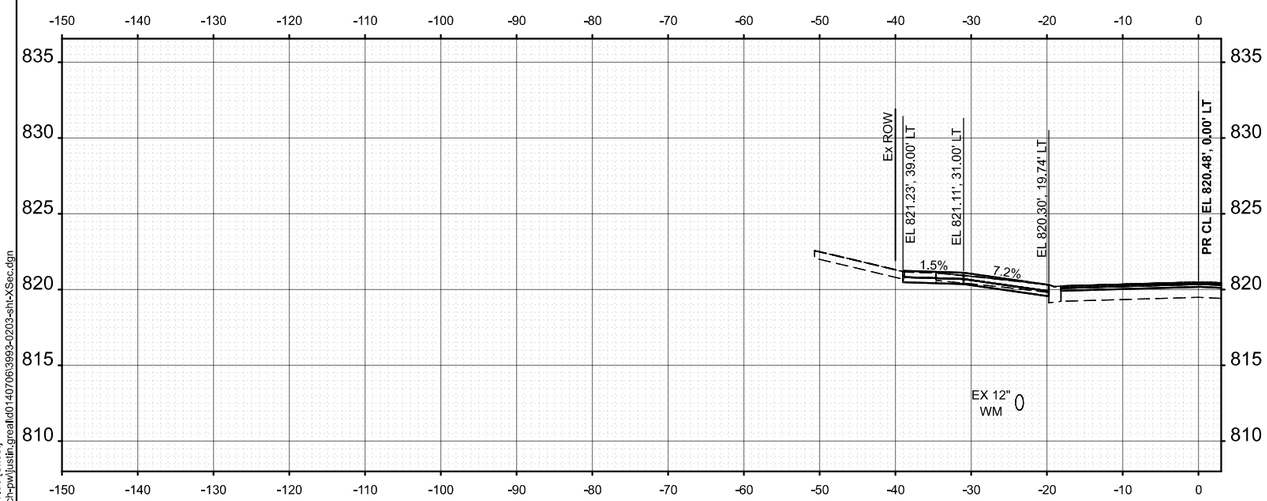

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

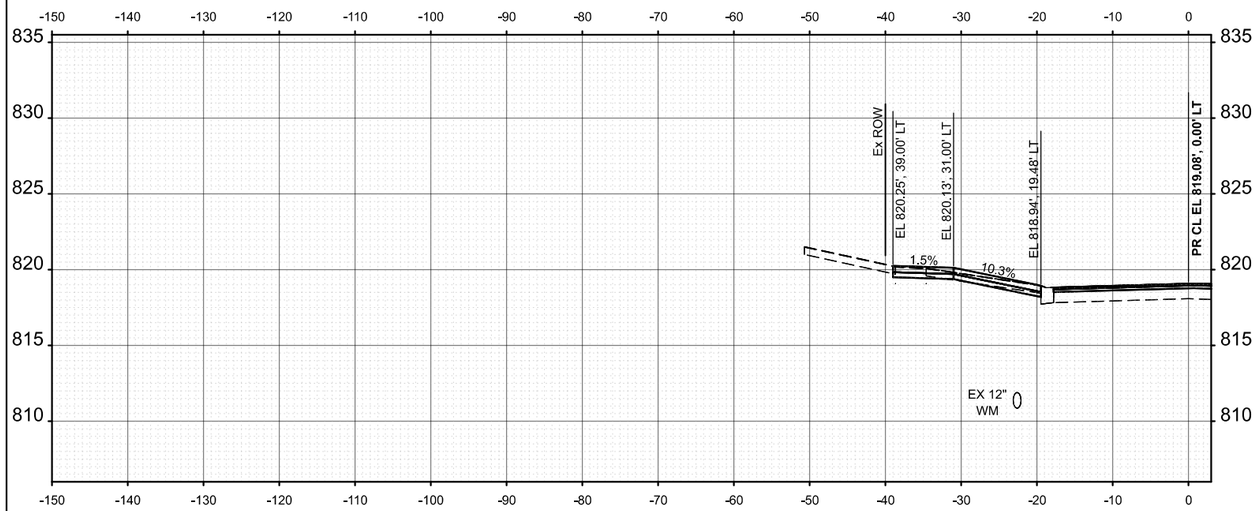
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 16 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	119

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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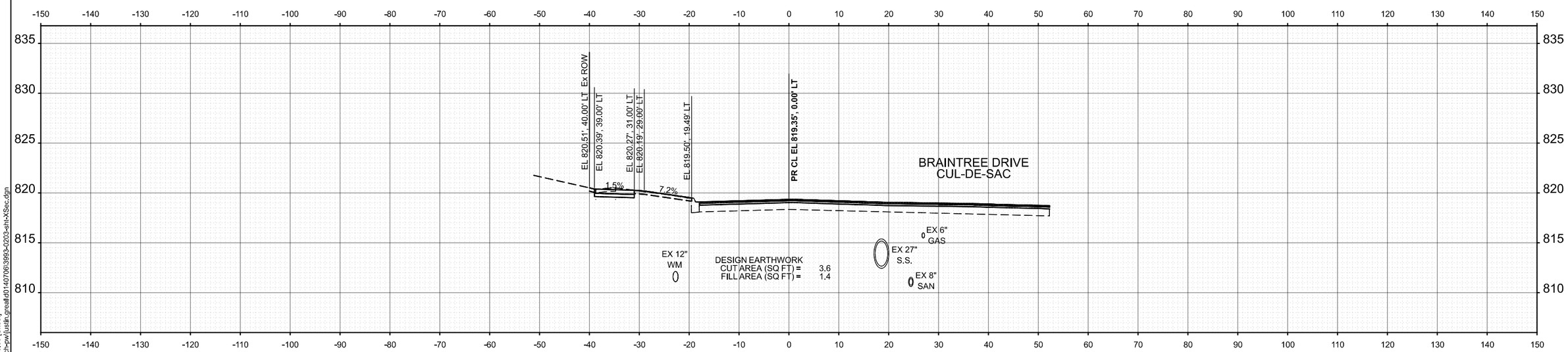

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

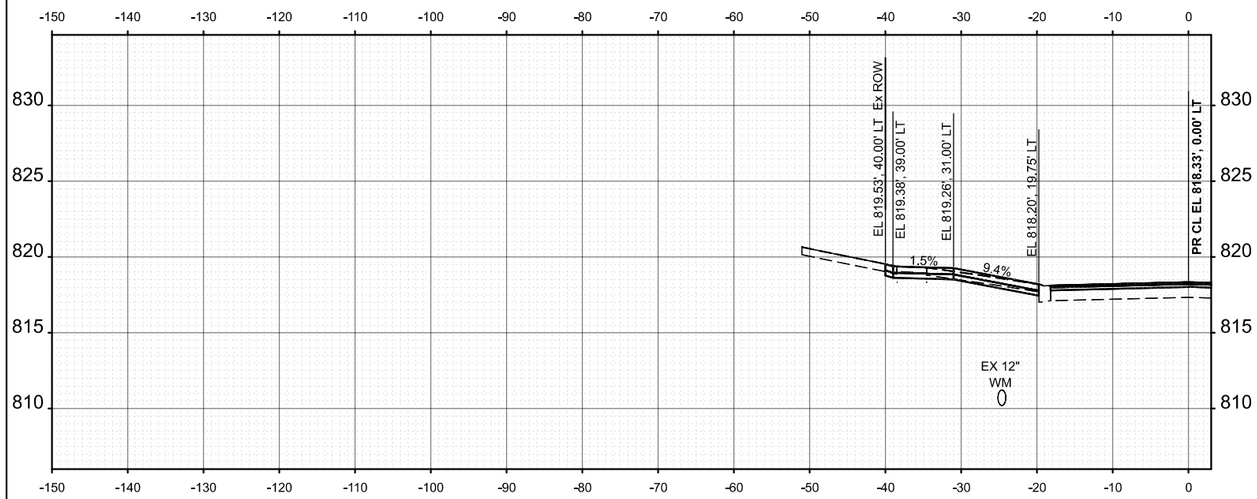
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 17 OF 69 SHEETS | STA. | TO STA.

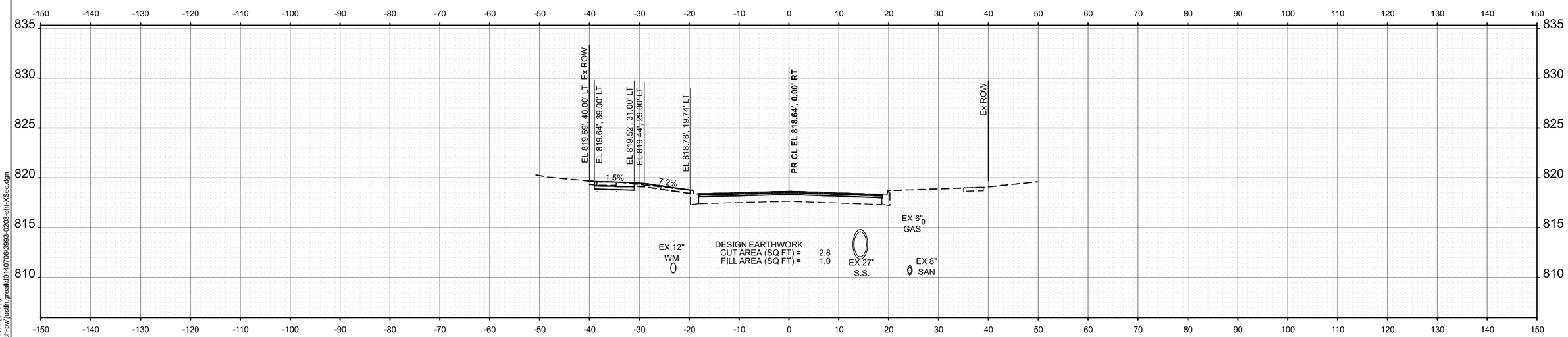
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	120

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 339+19.67



STA 339+00.00

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

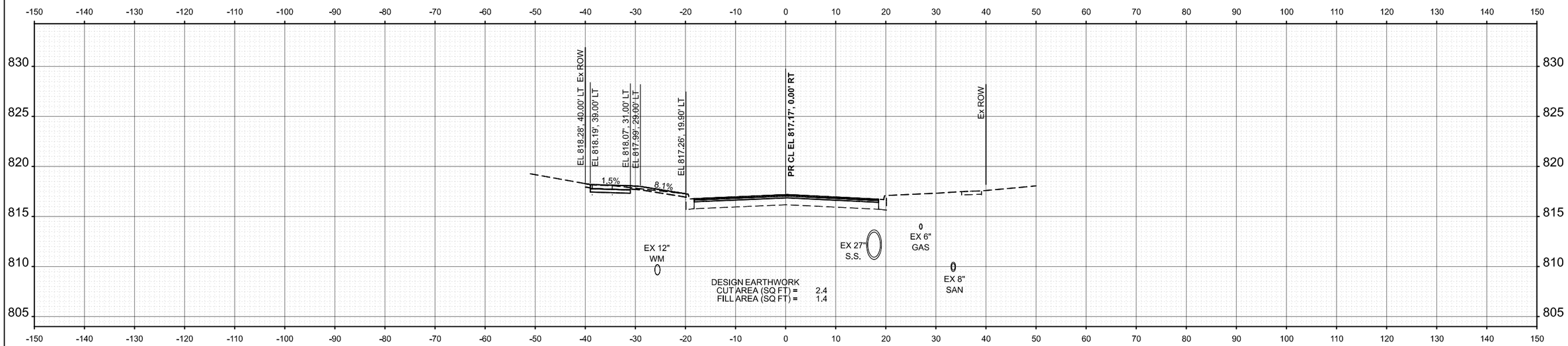
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 18 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	121

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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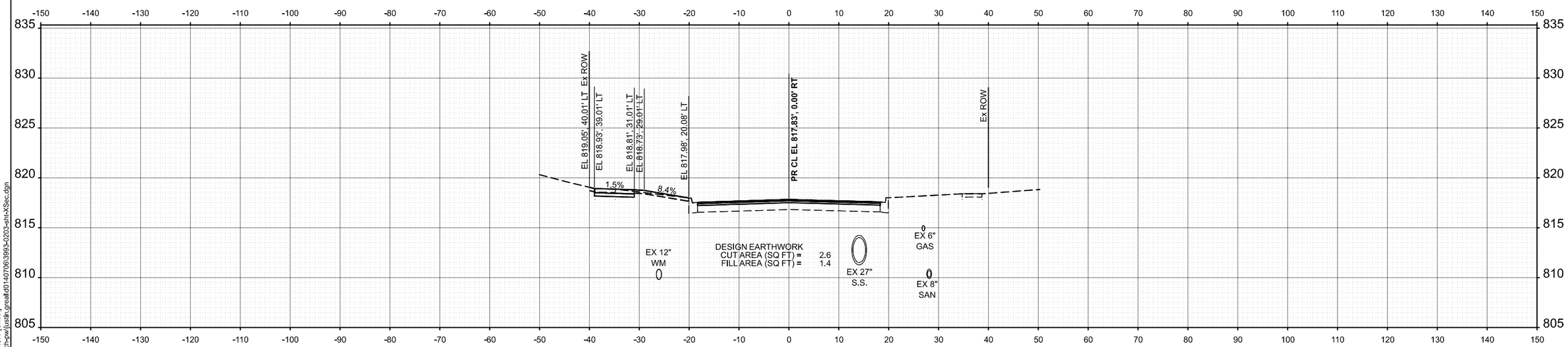

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

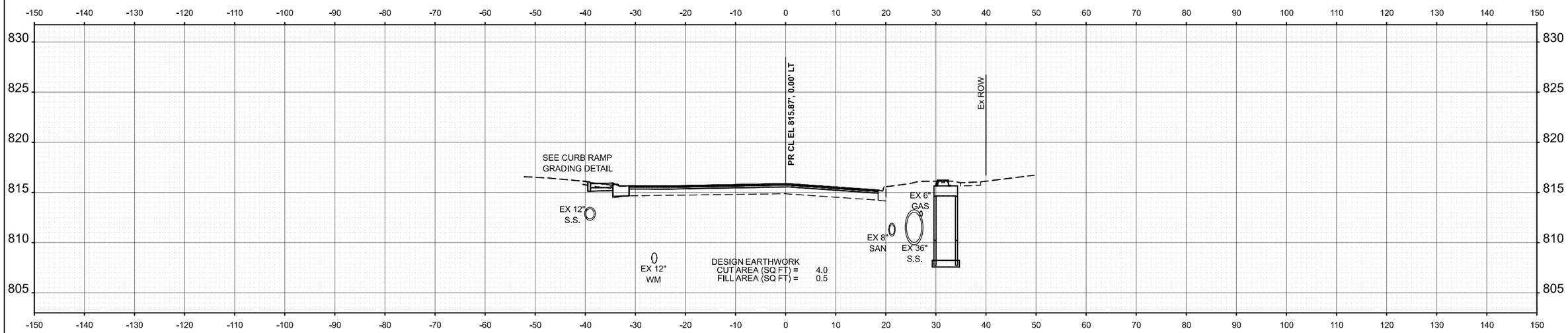
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 19 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	122

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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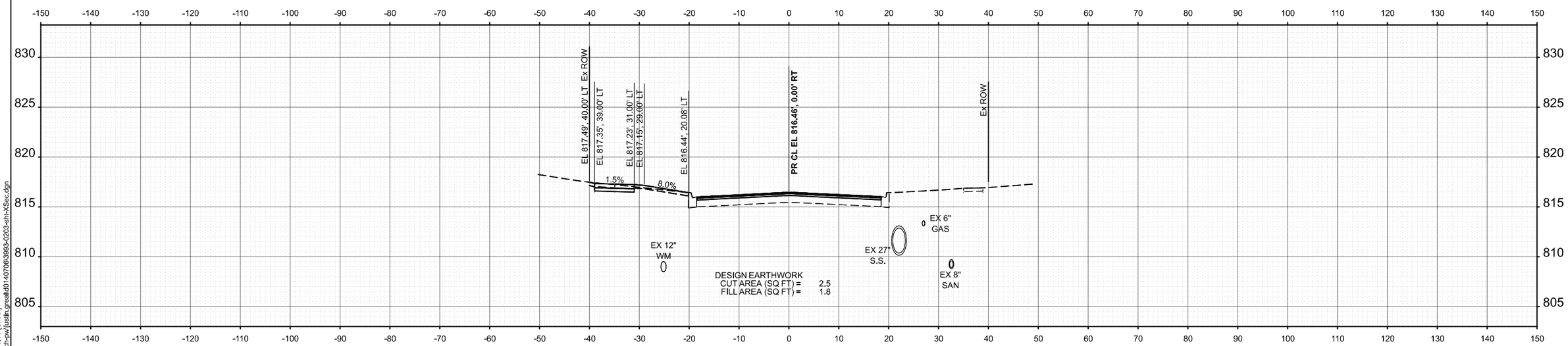

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

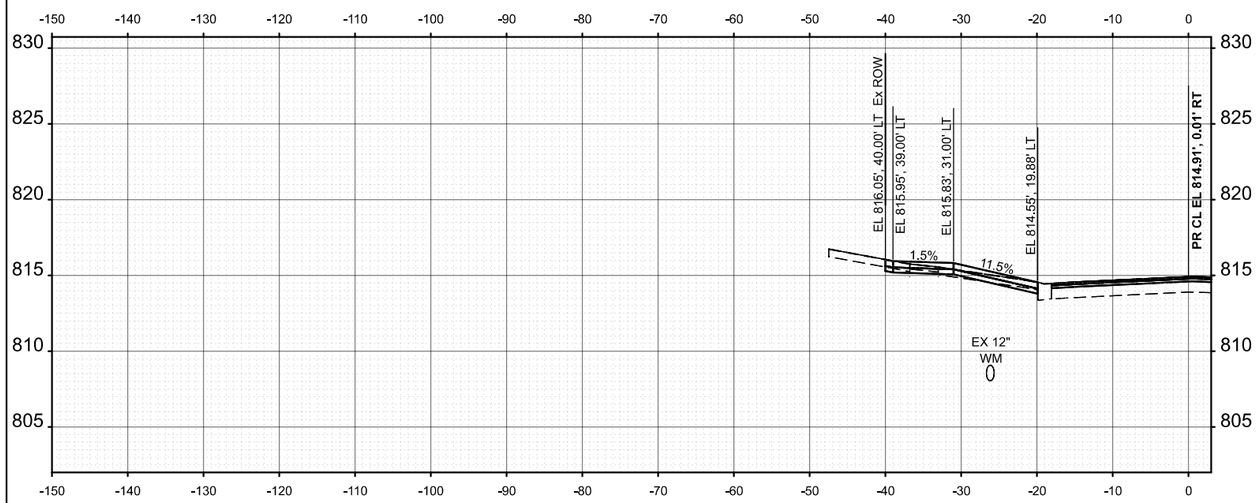
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 20 OF 69 SHEETS | STA. TO STA.

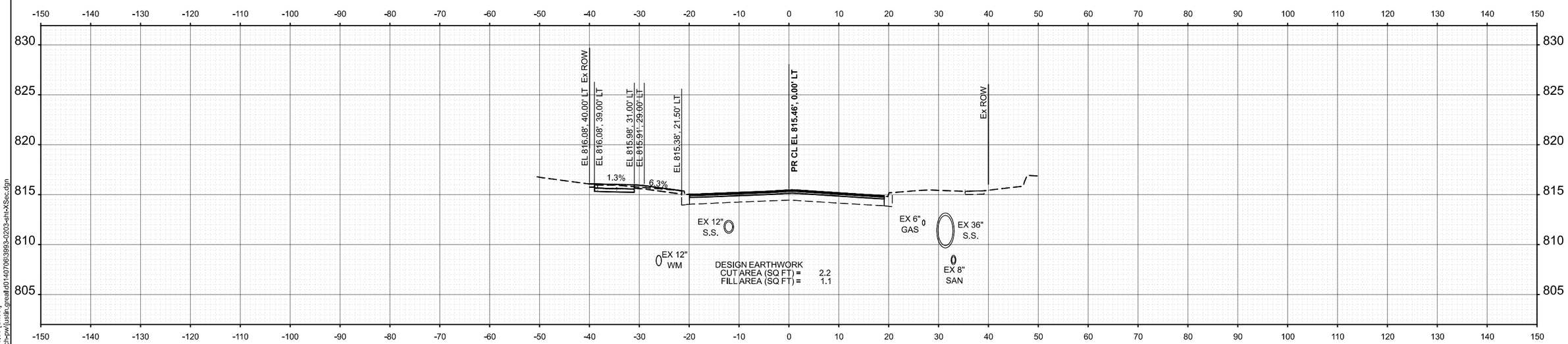
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	123

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 341+85.87



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

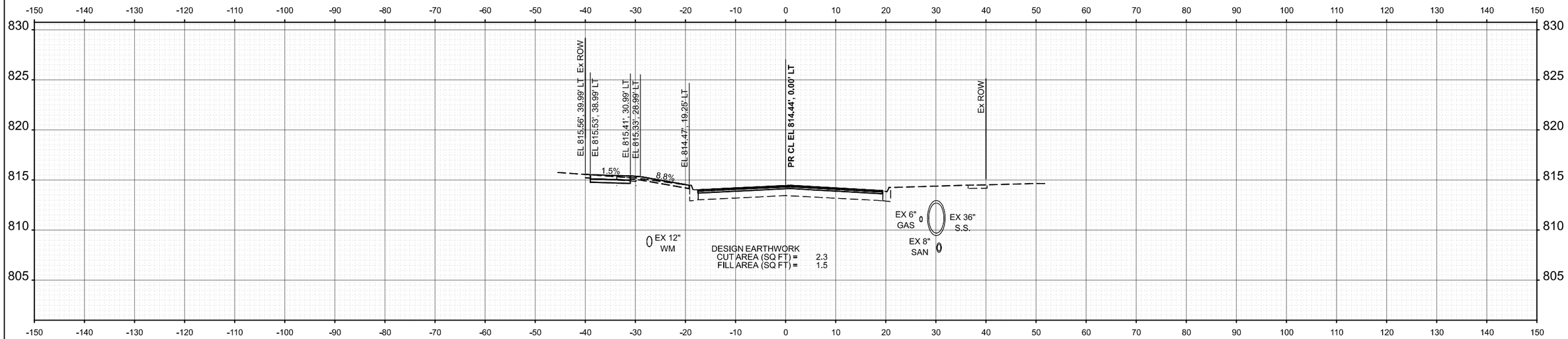
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 21 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	124

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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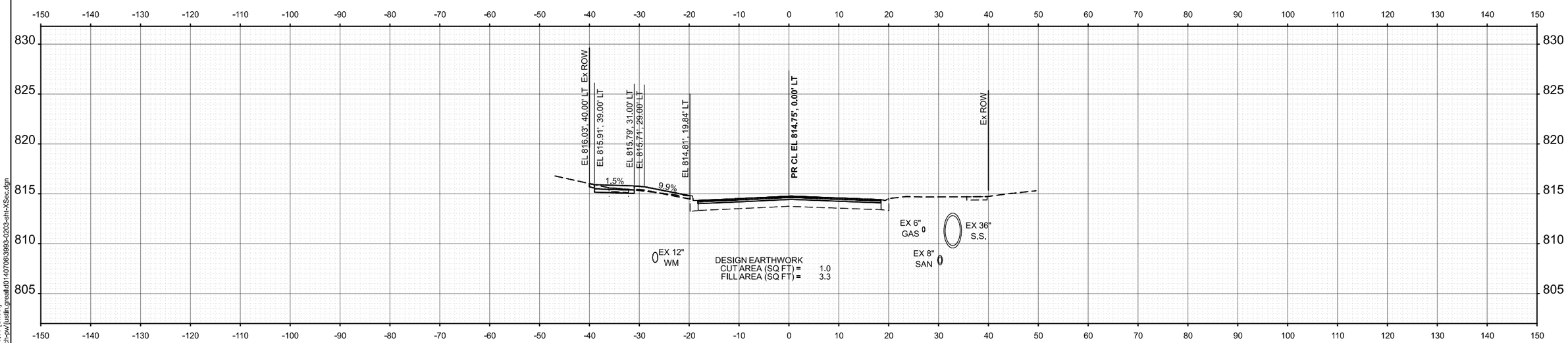

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

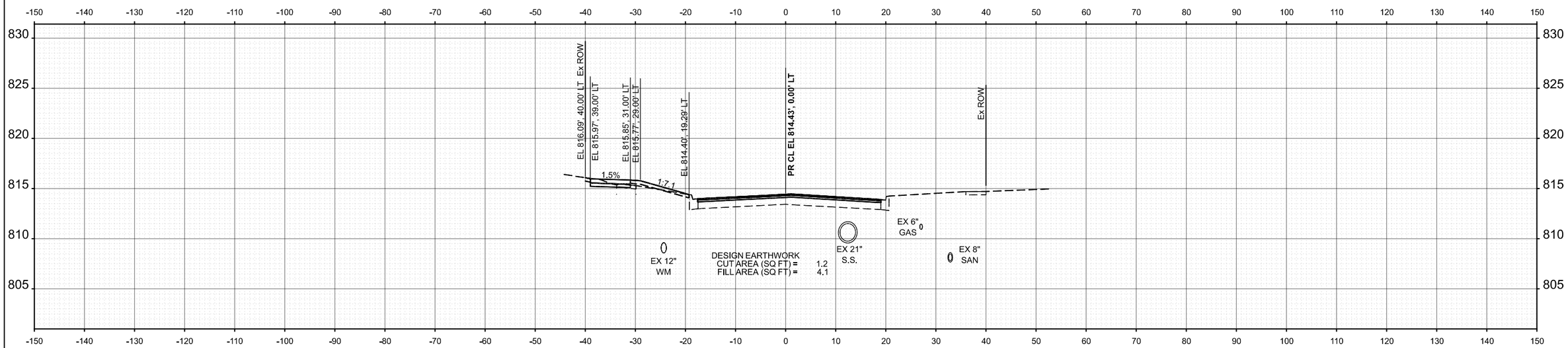
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 22 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	125

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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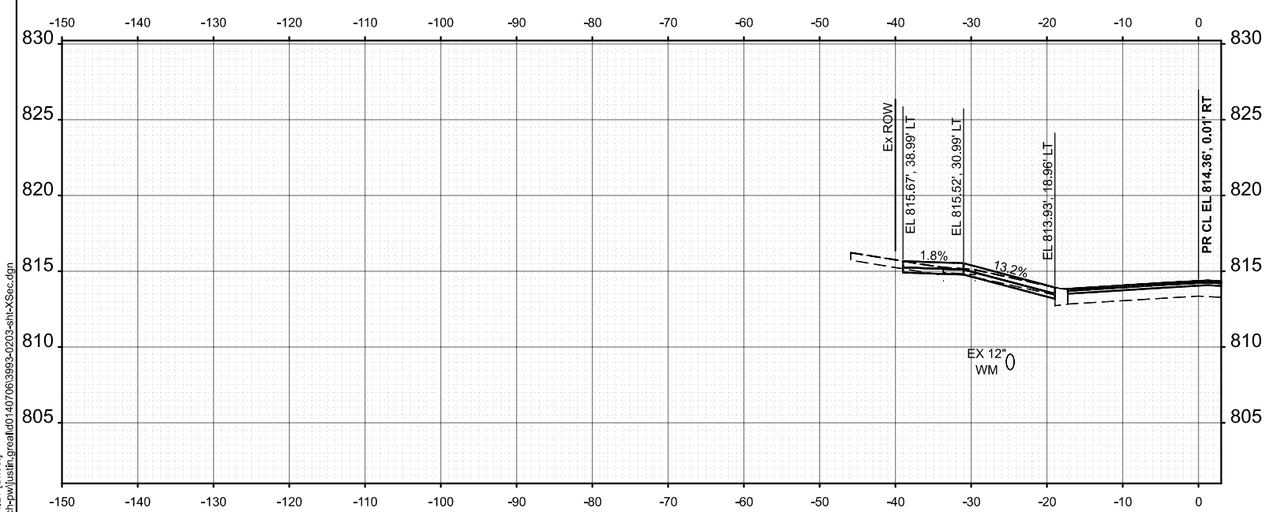

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

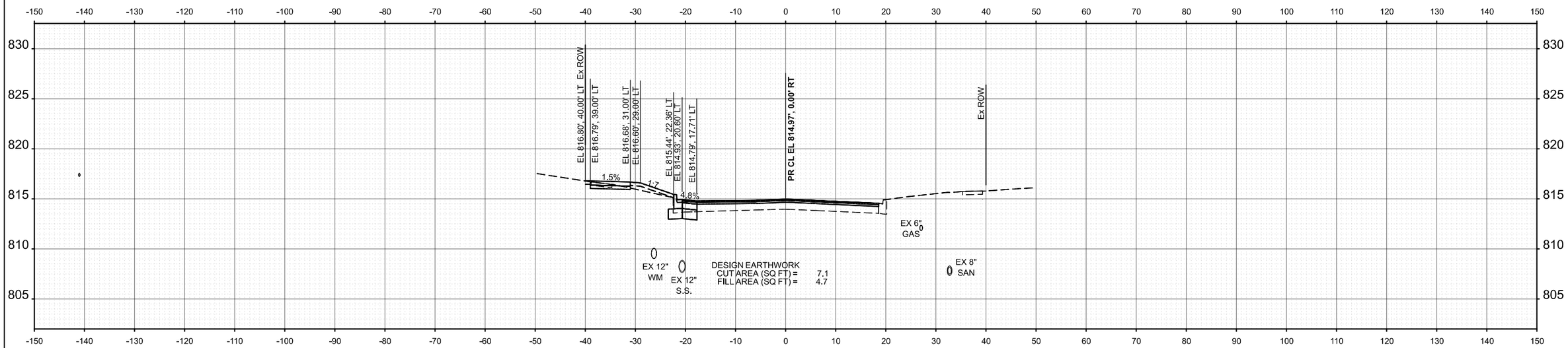
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 23 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	126

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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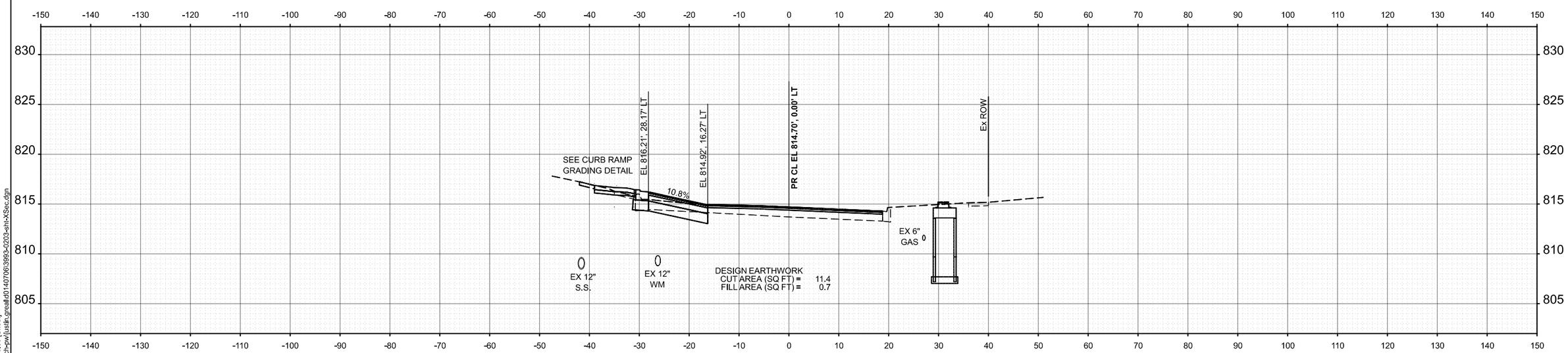

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

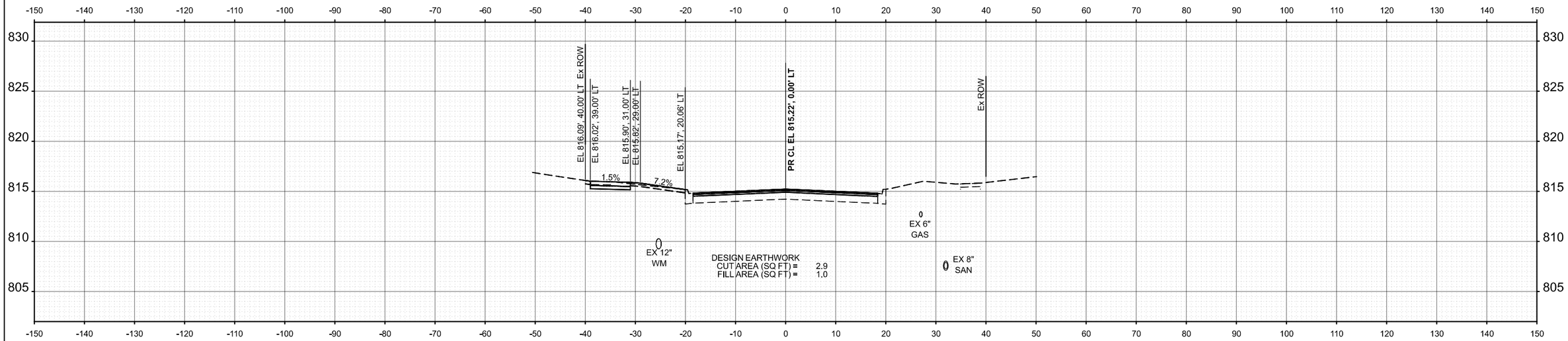
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 24 OF 69 SHEETS | STA. TO STA.

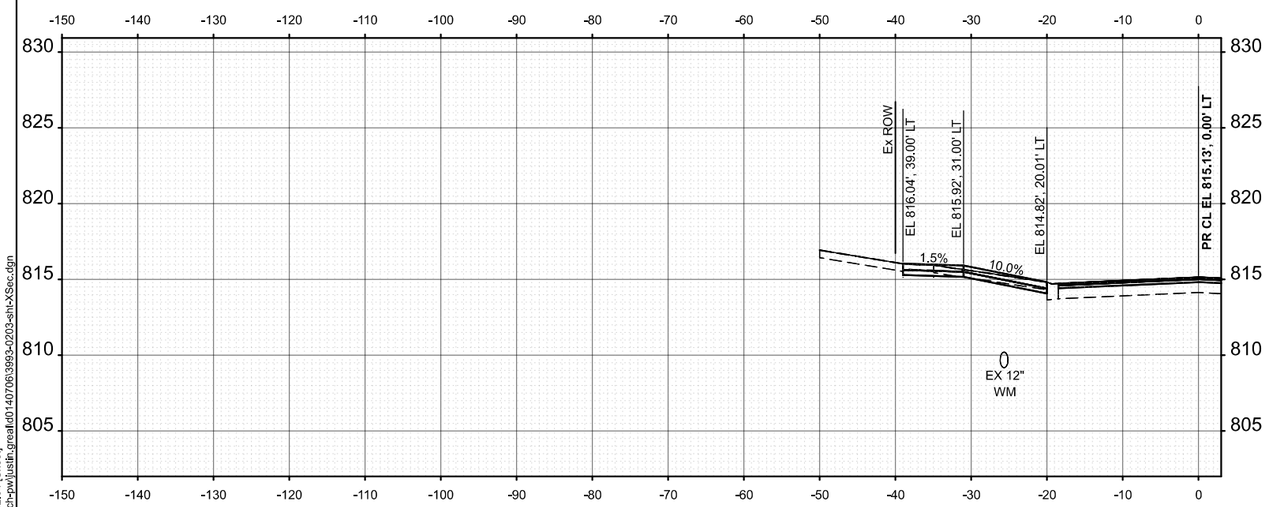
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	127

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 344+50.00



STA 344+32.34

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USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

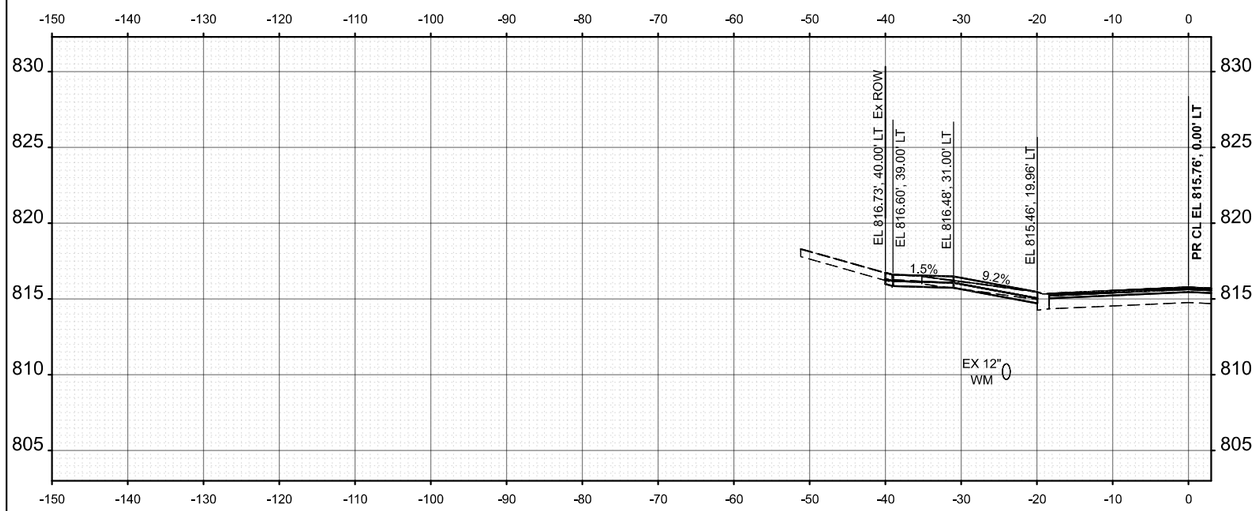
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 25 OF 69 SHEETS | STA. | TO STA.

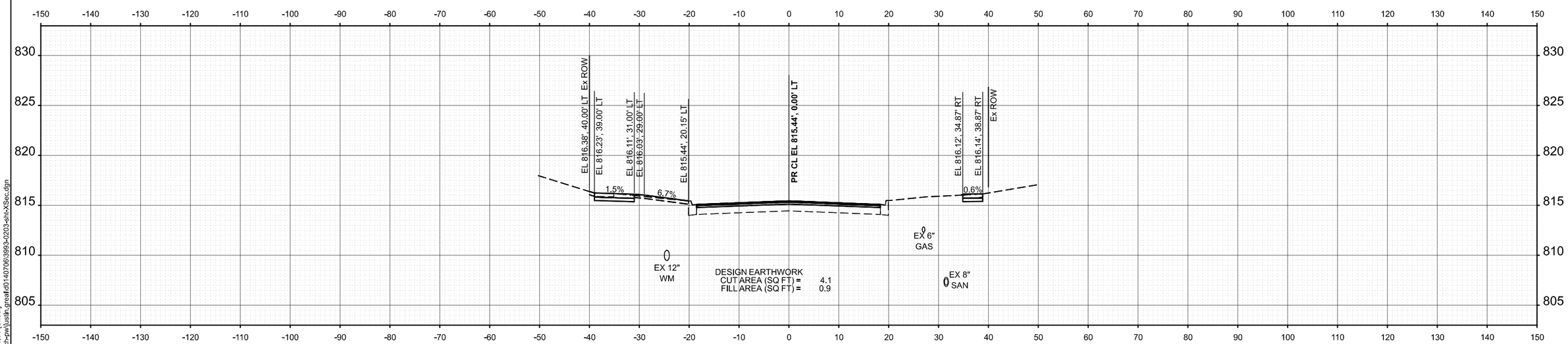
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	128

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 345+49.04



STA 345+00.00

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

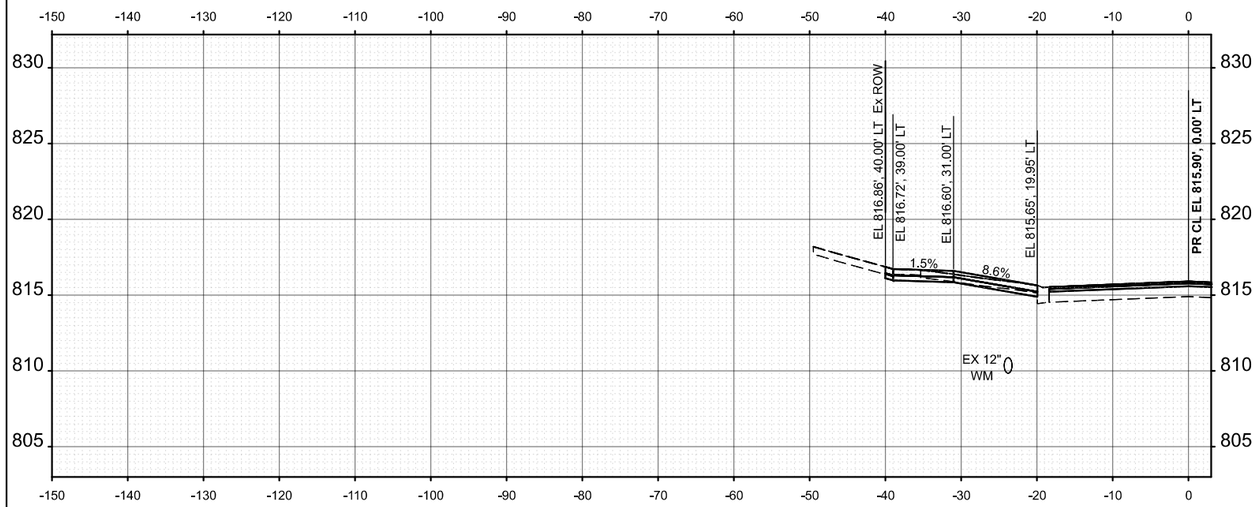
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 26 OF 69 SHEETS | STA. TO STA.

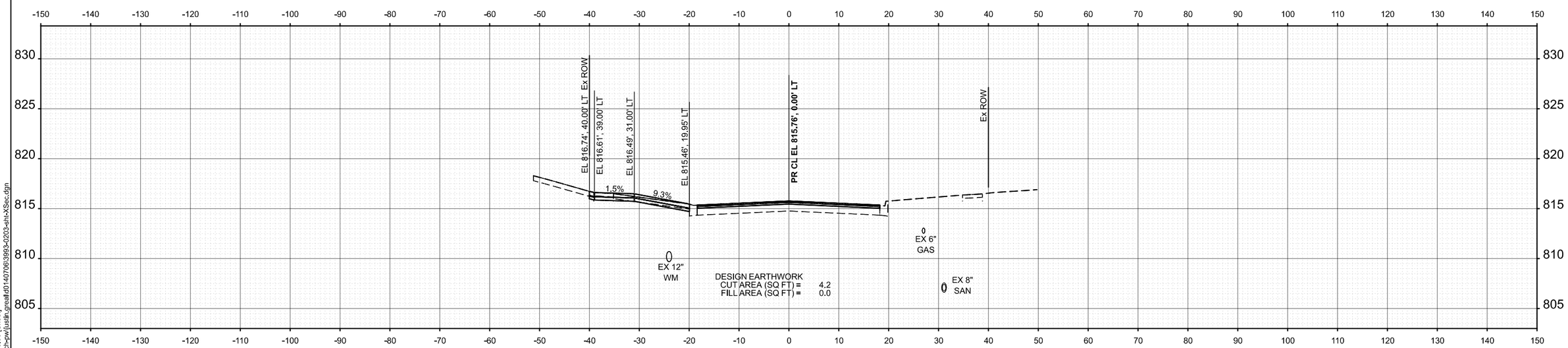
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	129

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 345+86.16



DESIGN EARTHWORK
CUT AREA (SQ FT) = 4.2
FILL AREA (SQ FT) = 0.0

STA 345+50.00

MODEL: Braintree - 345+50.00 [Sheet]
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USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

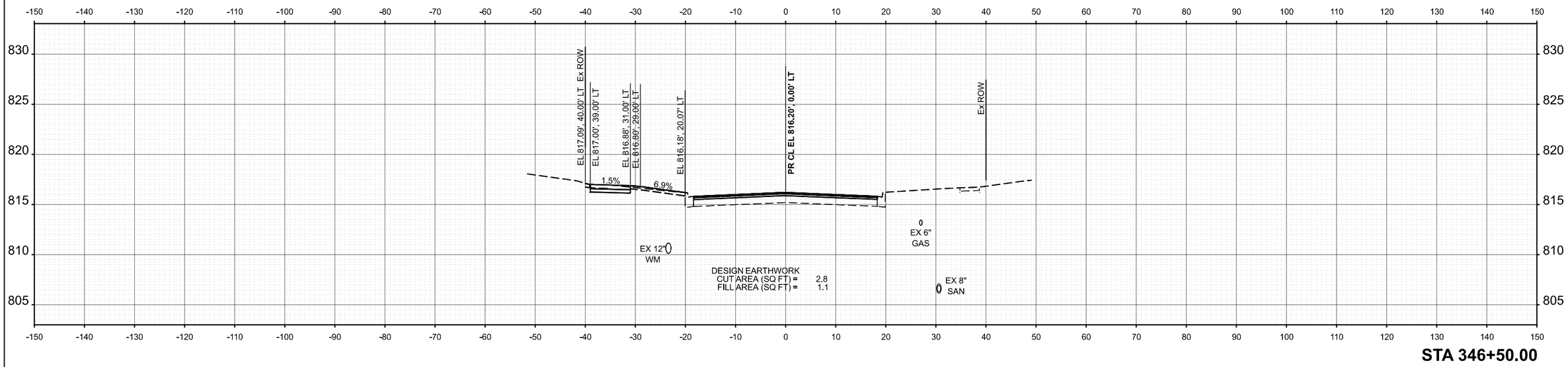
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 27 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	130

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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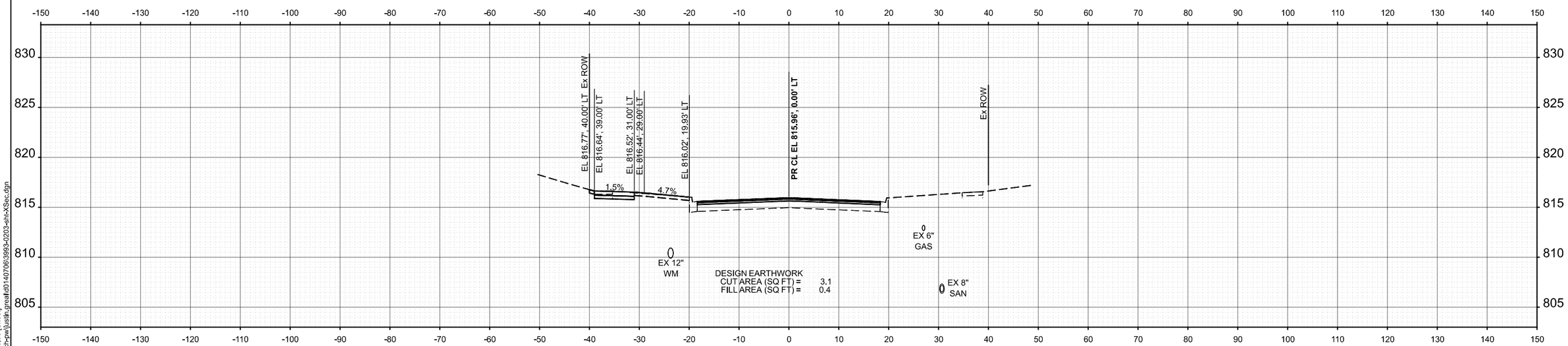

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

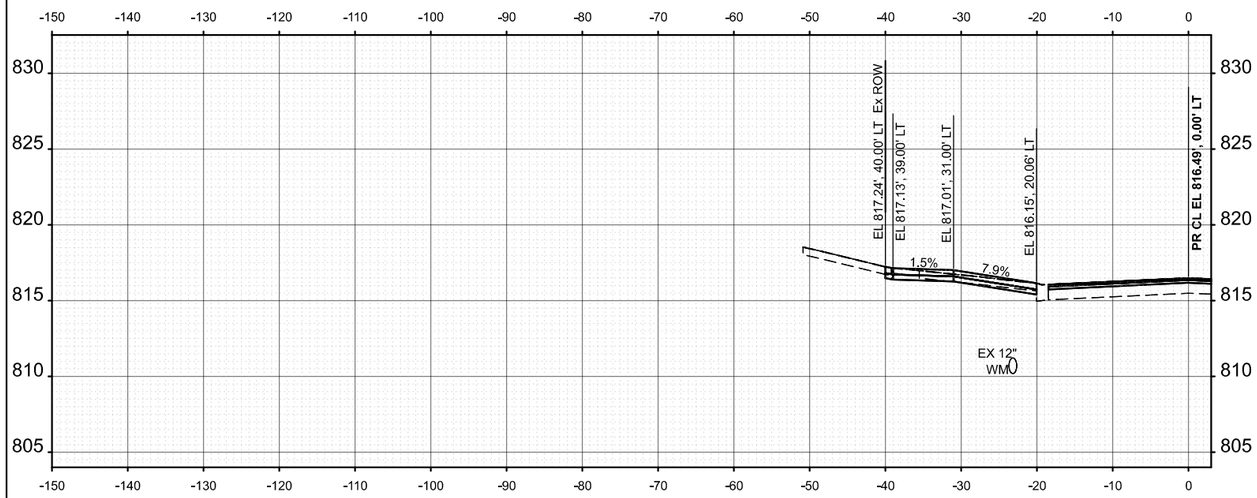
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 28 OF 69 SHEETS | STA. TO STA.

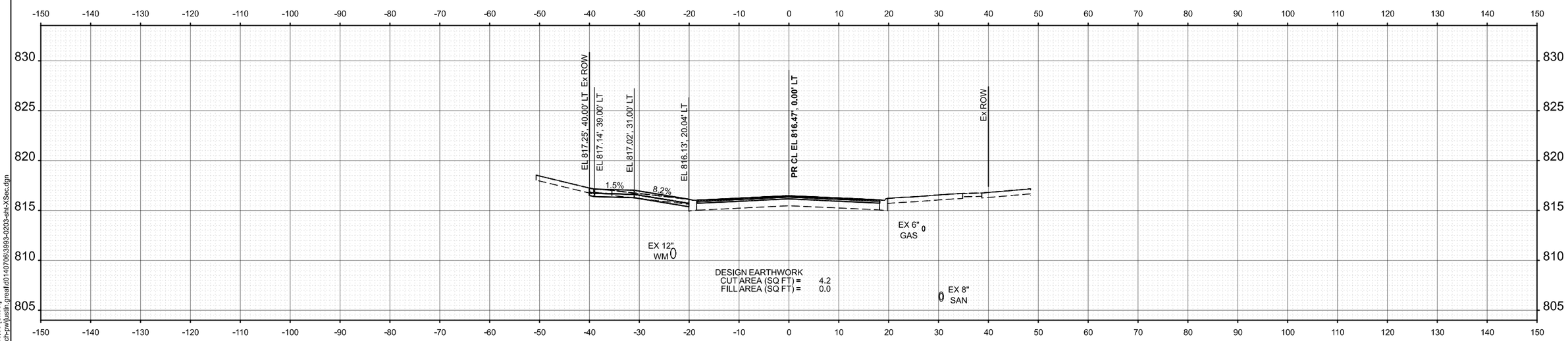
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	131

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 347+04.39



STA 347+00.00

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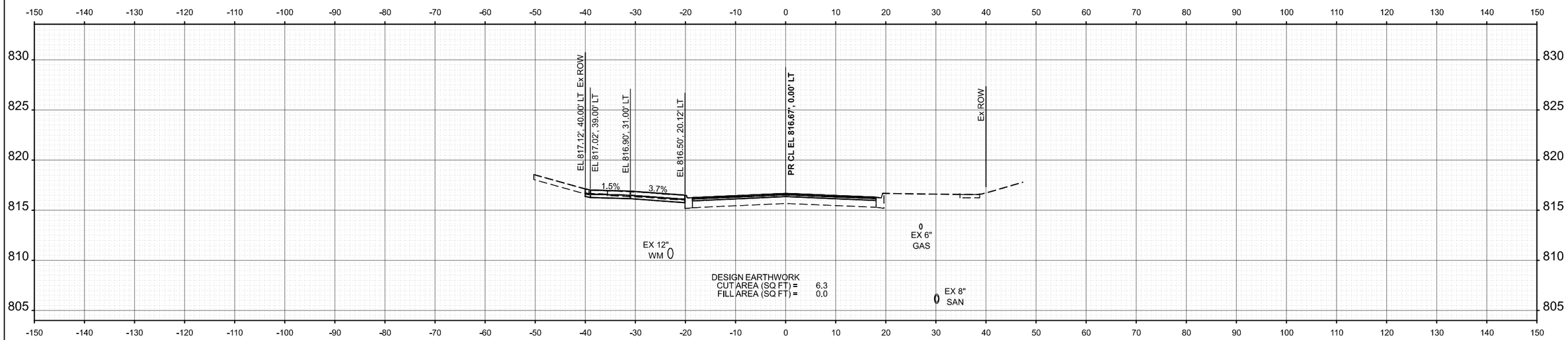
USER NAME = JFG	DESIGNED - NEM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 29 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	132
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		



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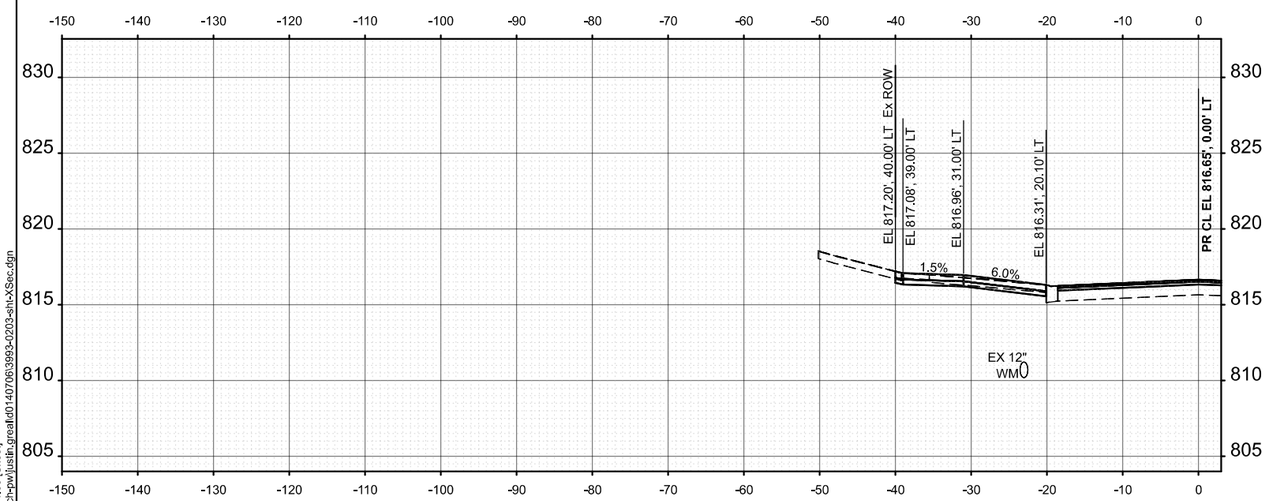

STA 347+41.88

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	DRAWN - JRR	REVISED -	
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

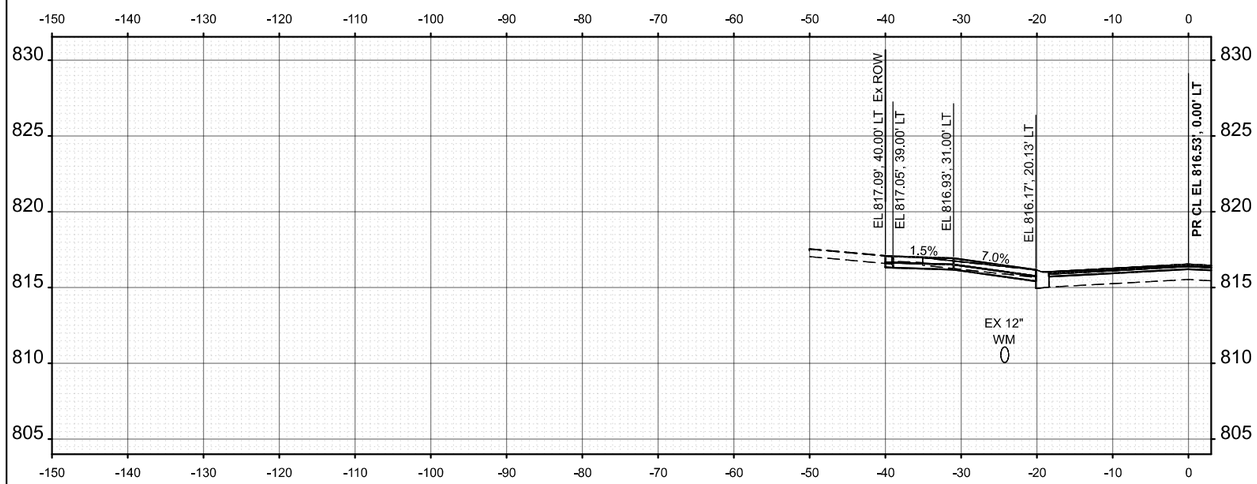
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 30 OF 69 SHEETS | STA. TO STA.

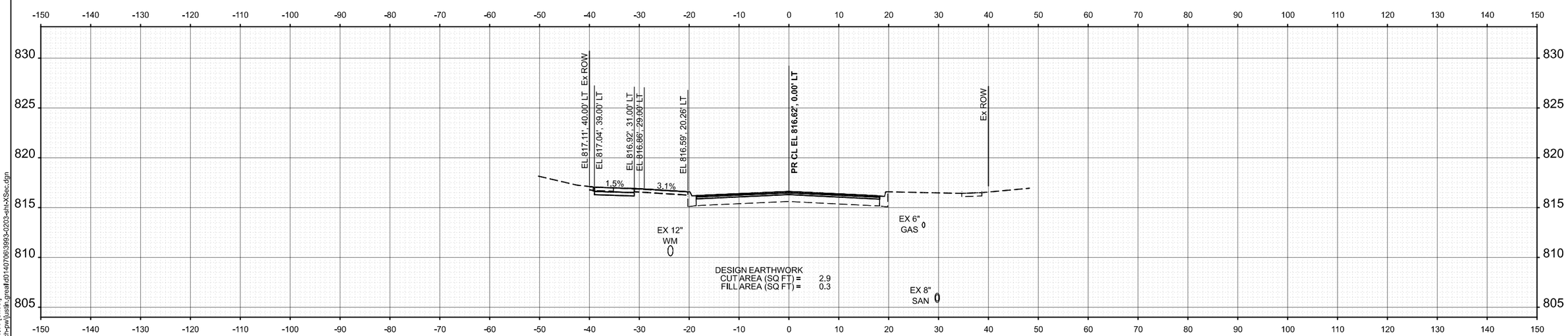
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	133

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 348+30.47



STA 348+00.00

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USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

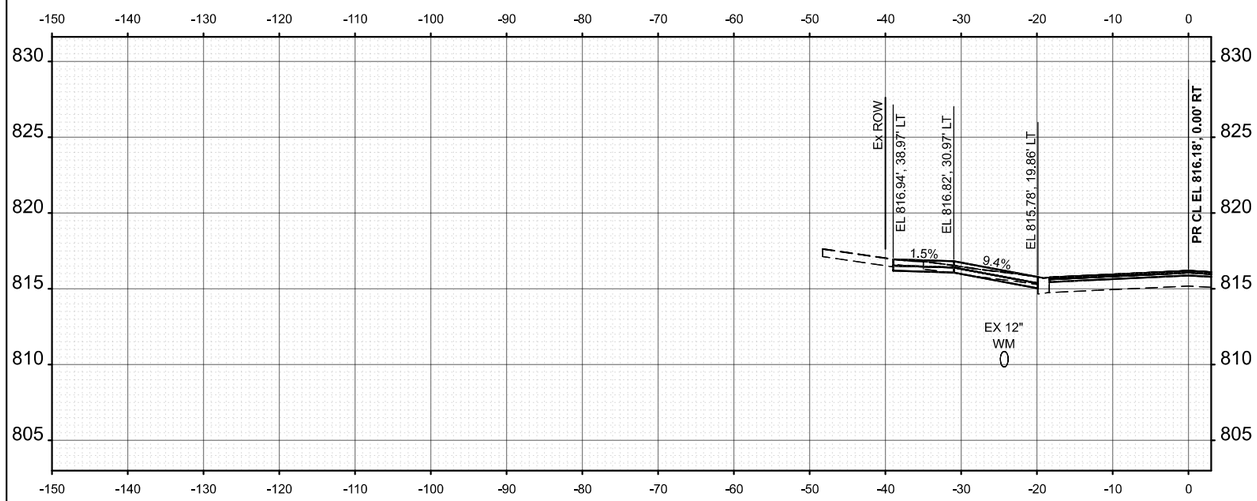
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 31 OF 69 SHEETS | STA. TO STA.

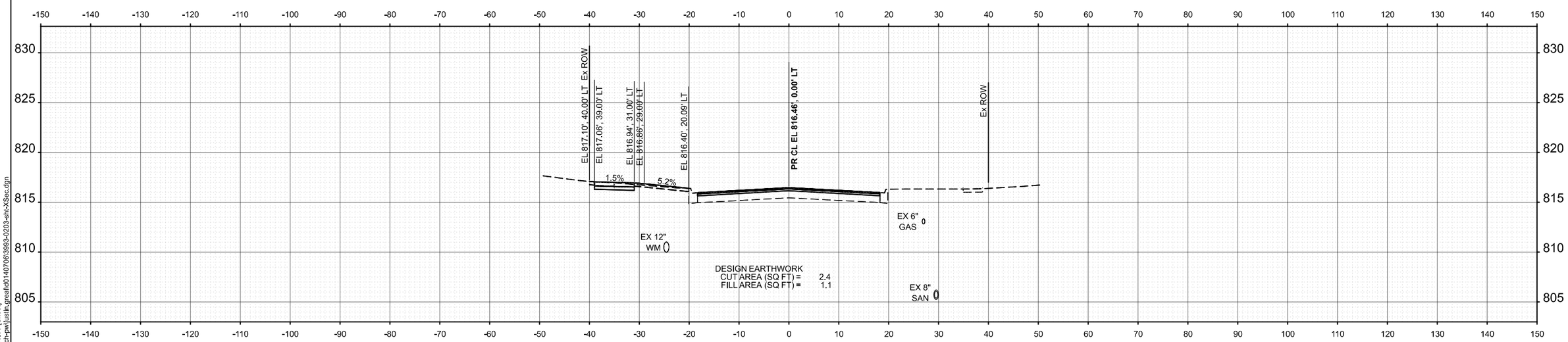
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	134

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 348+92.81



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

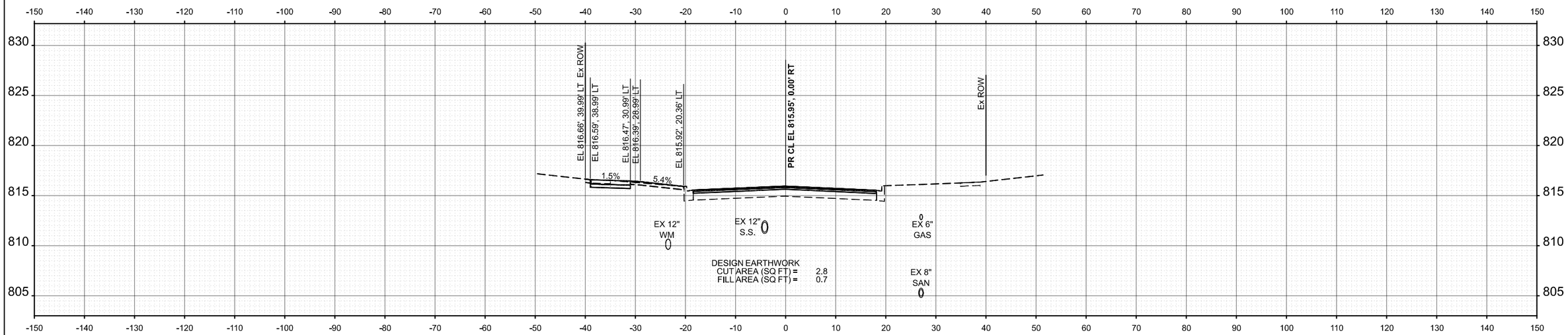
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 32 OF 69 SHEETS | STA. TO STA.

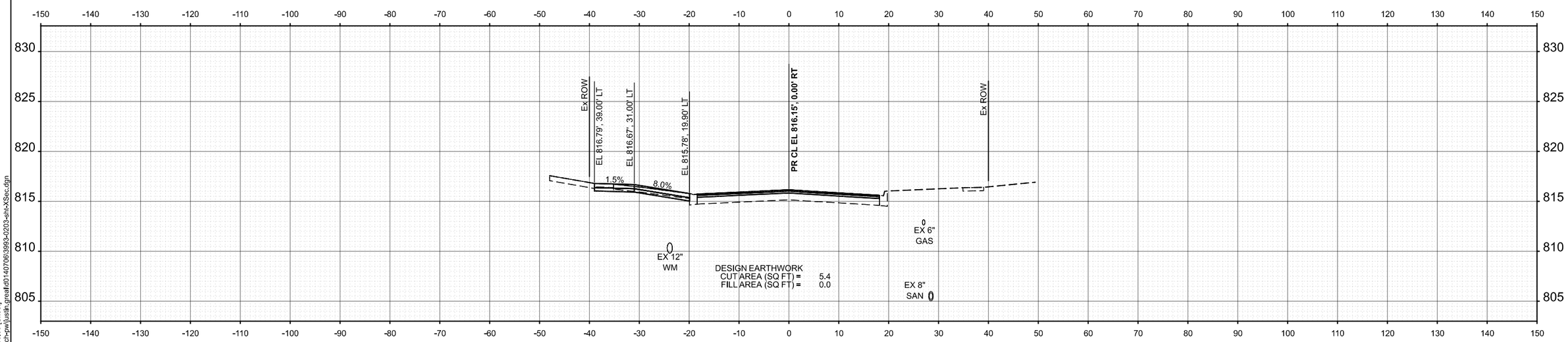
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	135

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 349+50.00



STA 349+00.00

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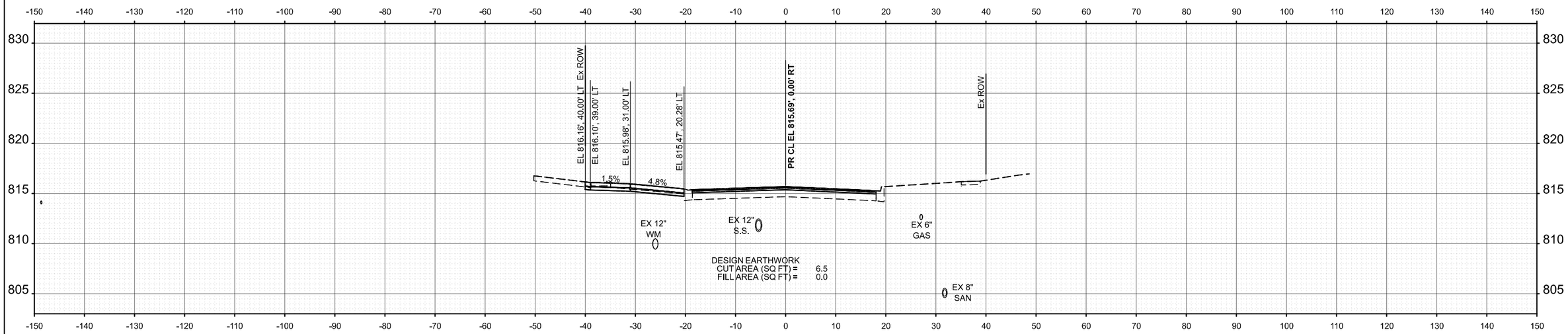
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

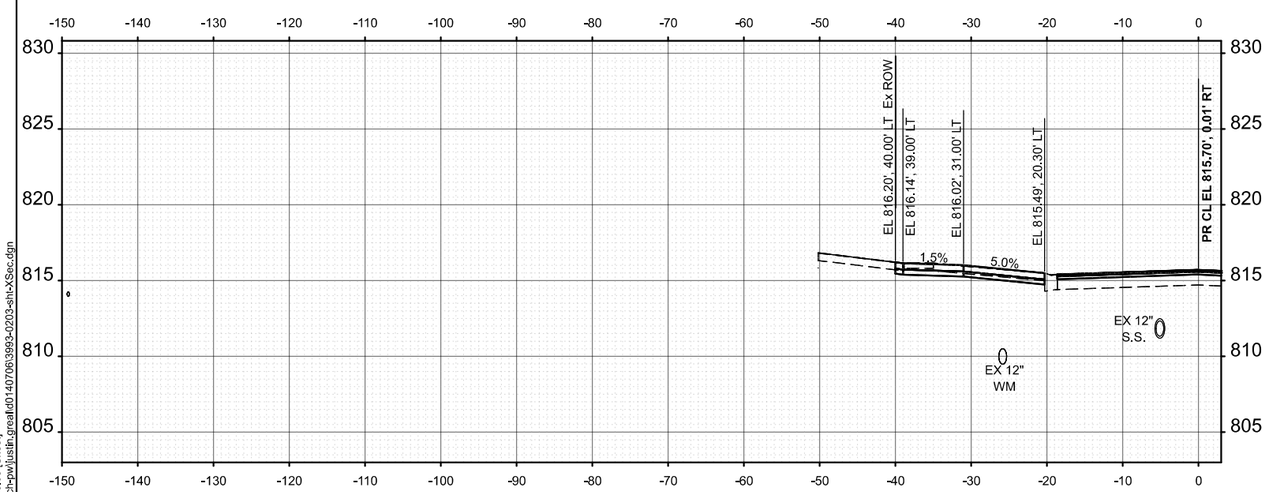
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 33 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	136
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		



STA 350+00.00



STA 349+95.08

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	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

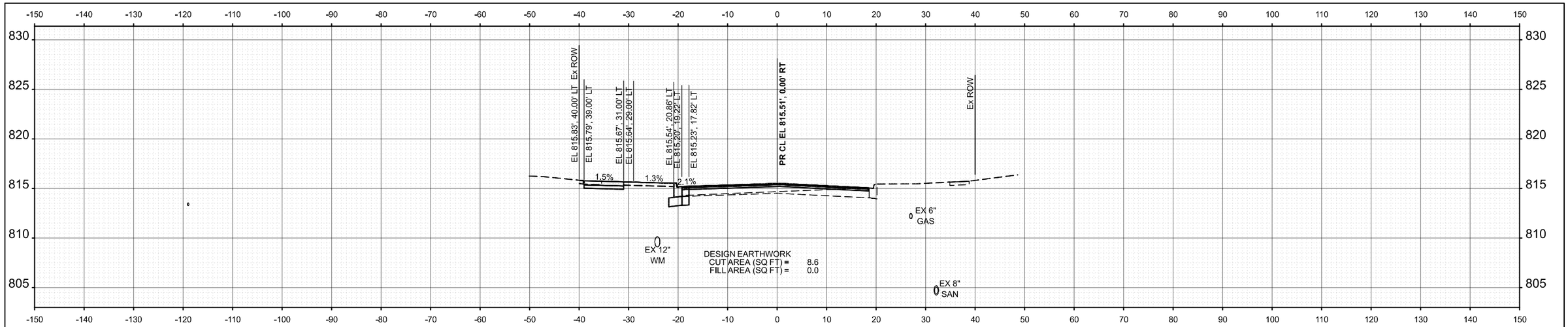
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 34 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	137

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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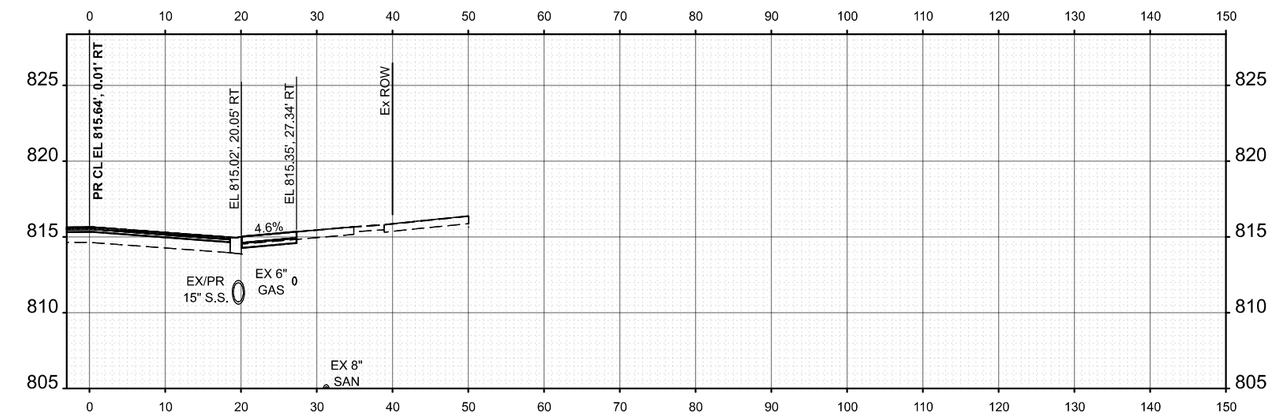
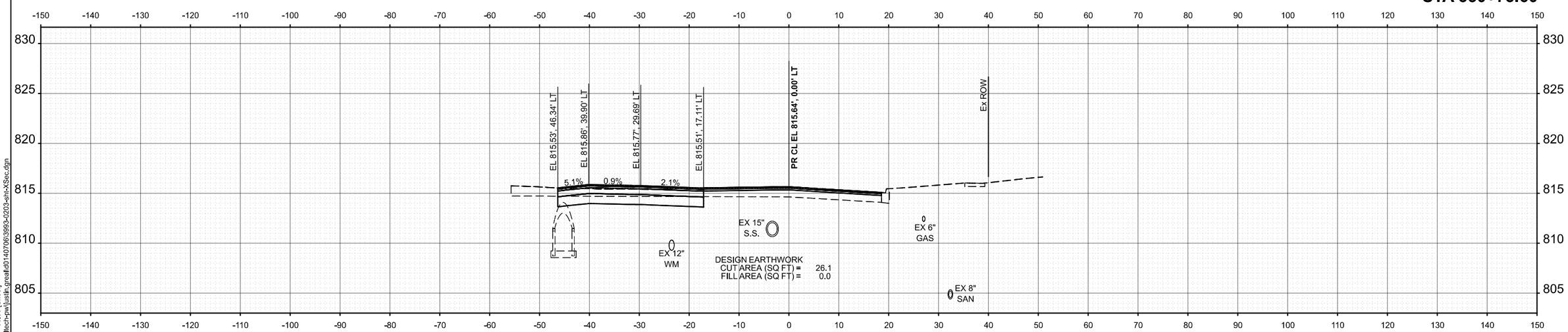


STA 350+73.60



STA 350+50.00

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

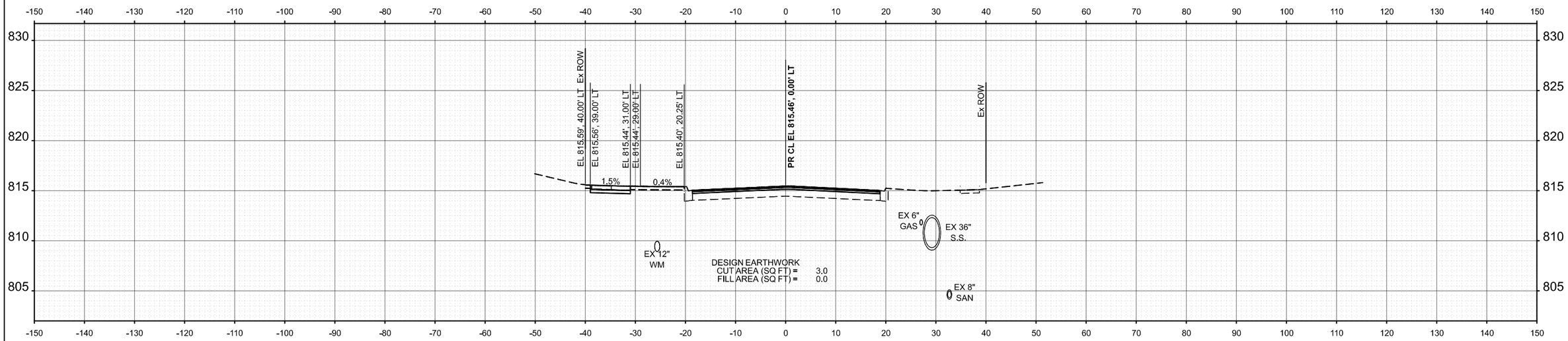
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 35 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	138

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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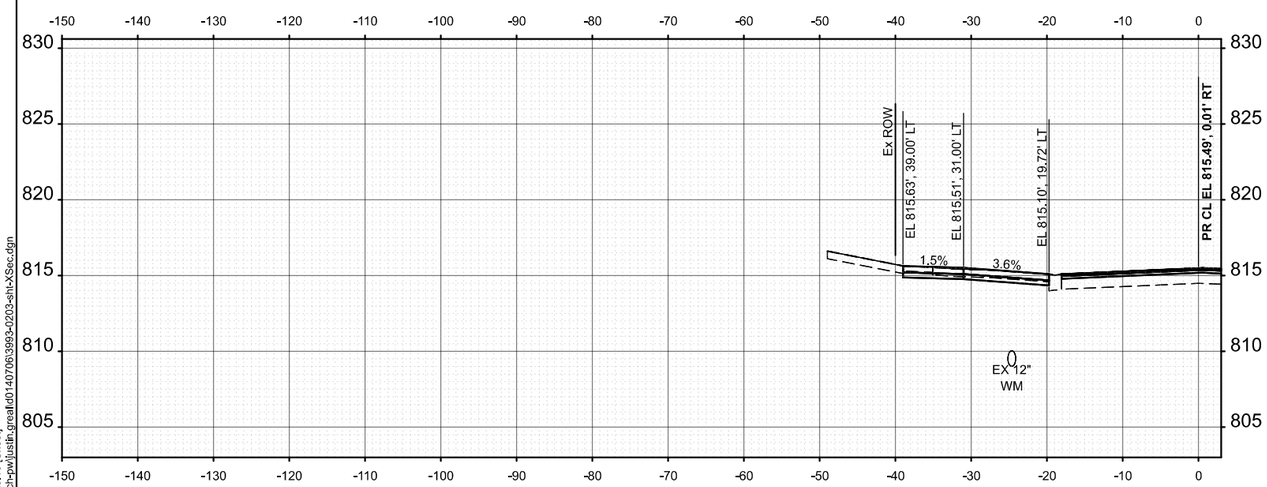

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

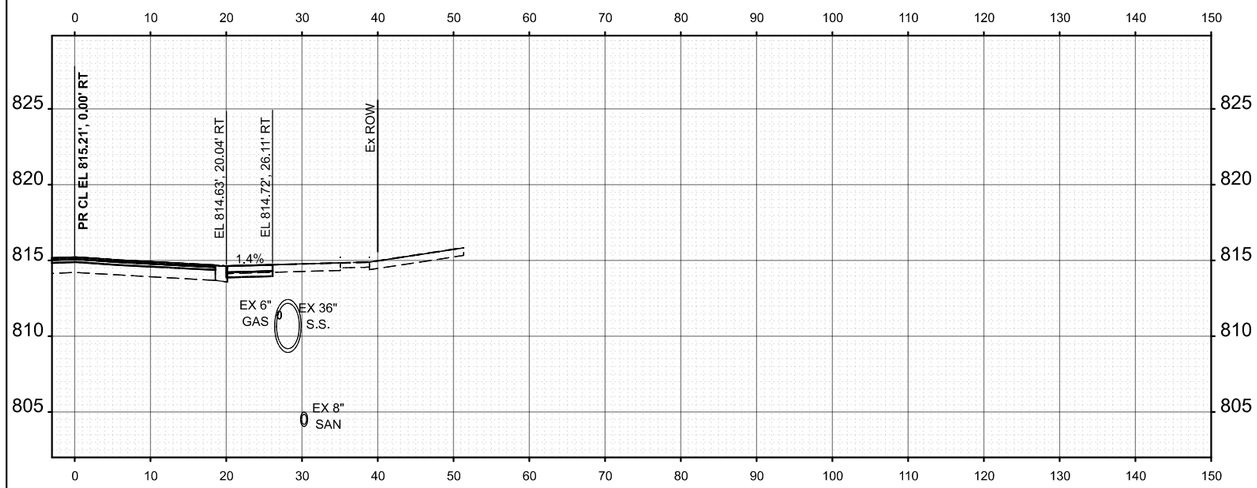
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 36 OF 69 SHEETS | STA. | TO STA.

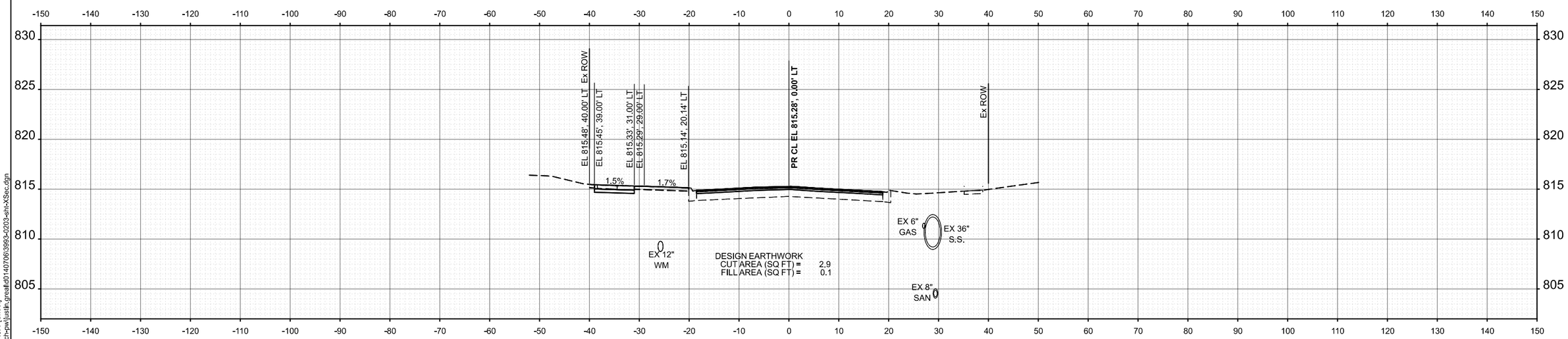
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	139

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 352+12.15



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

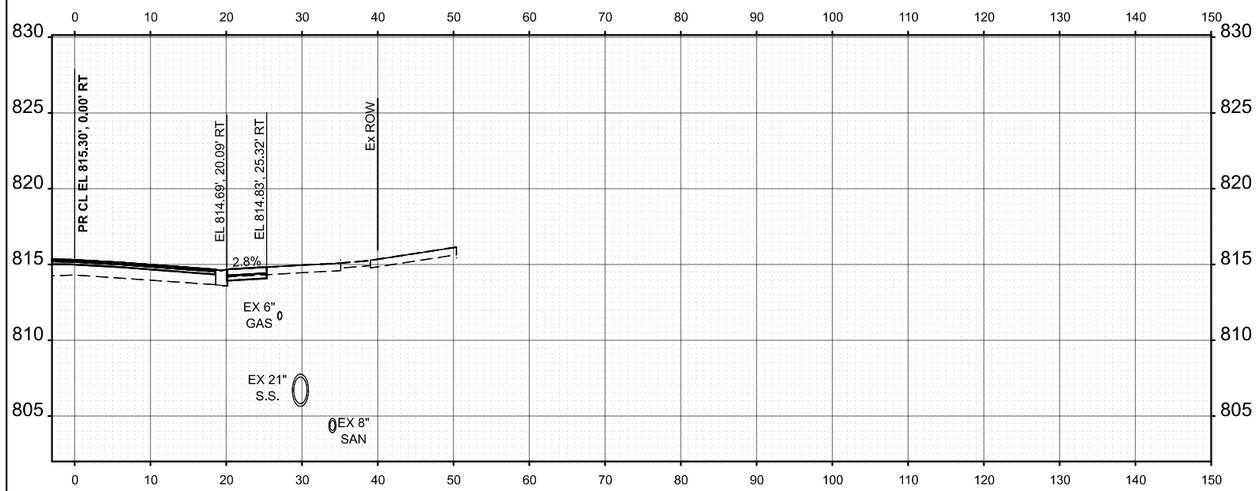
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 37 OF 69 SHEETS | STA. TO STA.

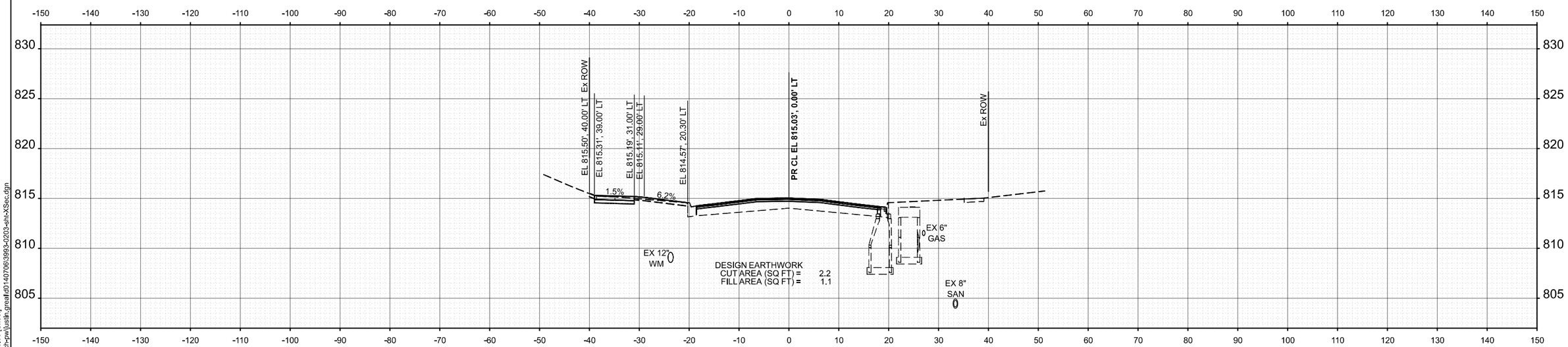
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	140

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



STA 352+95.77



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

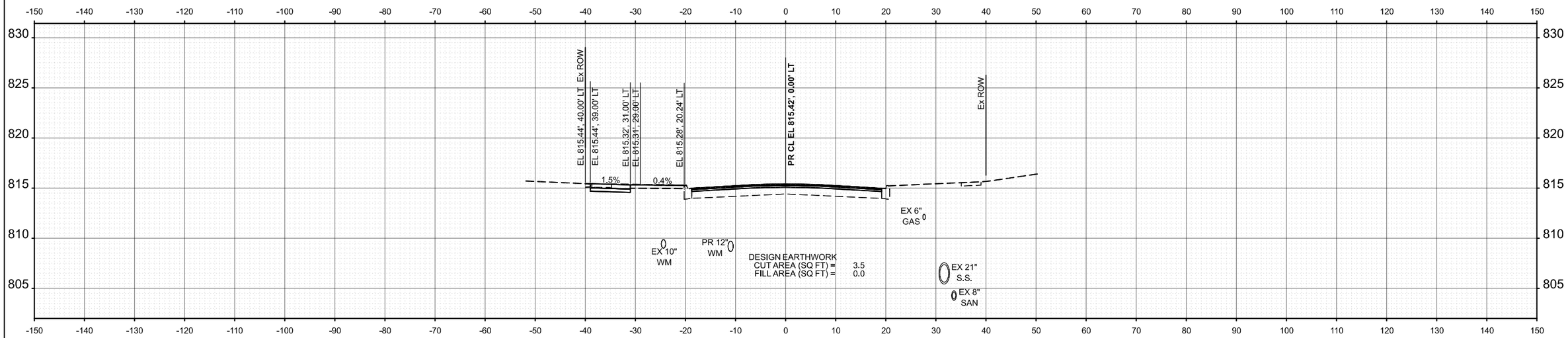
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 38 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	141

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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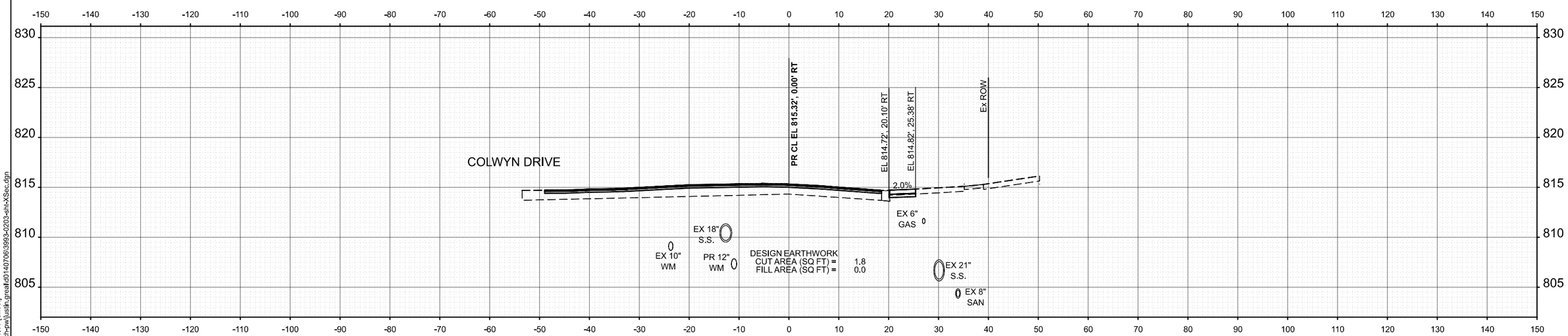

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USER NAME = JFG	DESIGNED - NEM	REVISED -	
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

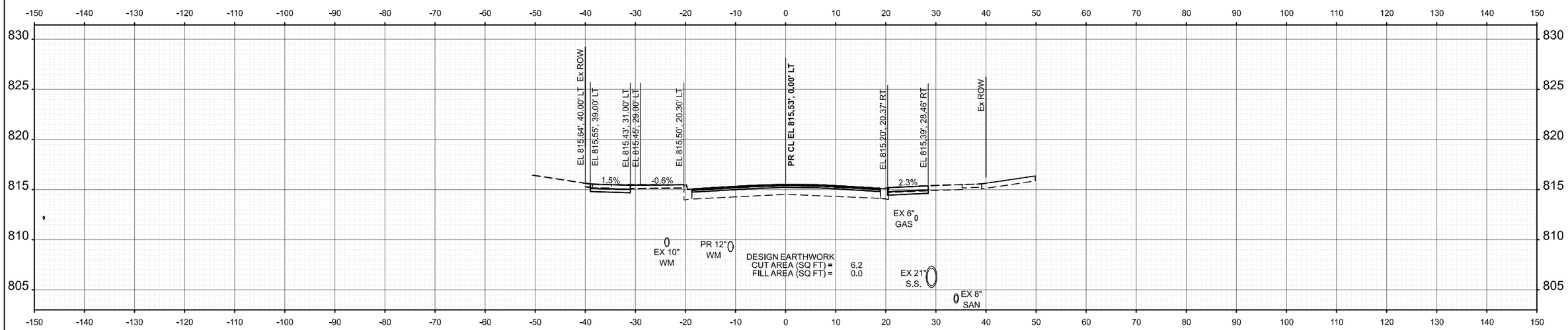
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 39 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	142

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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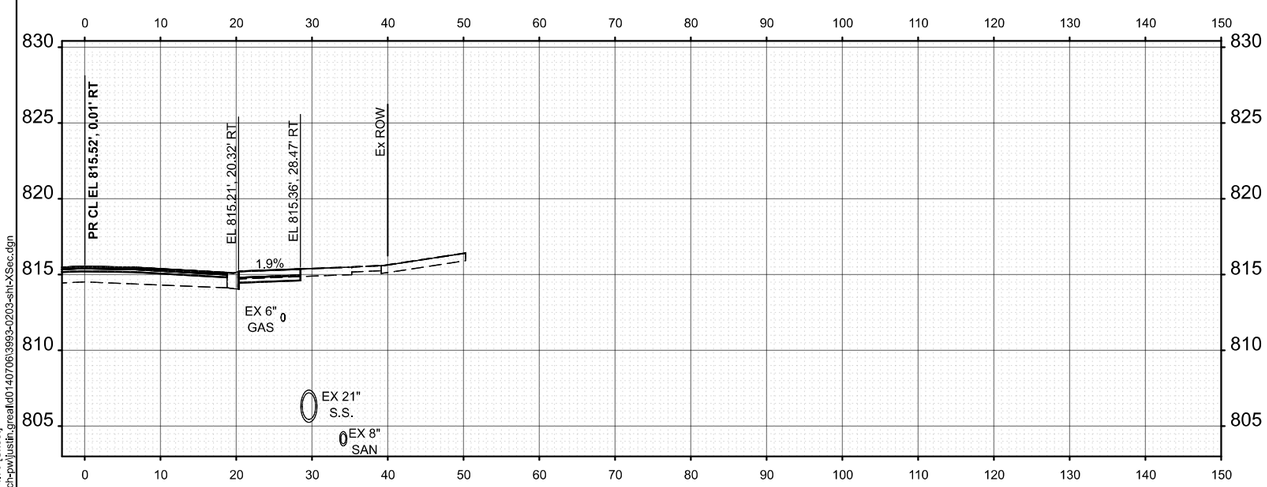

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

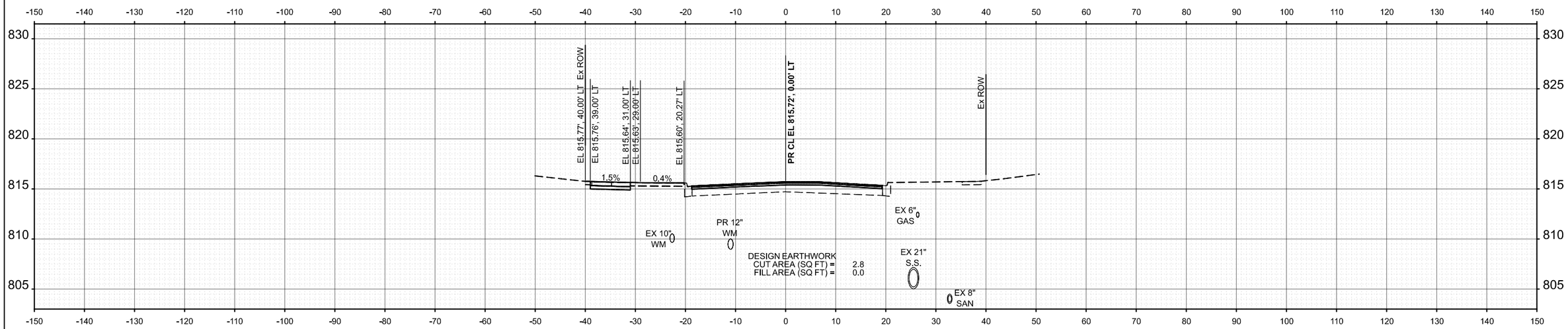
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 40 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	143

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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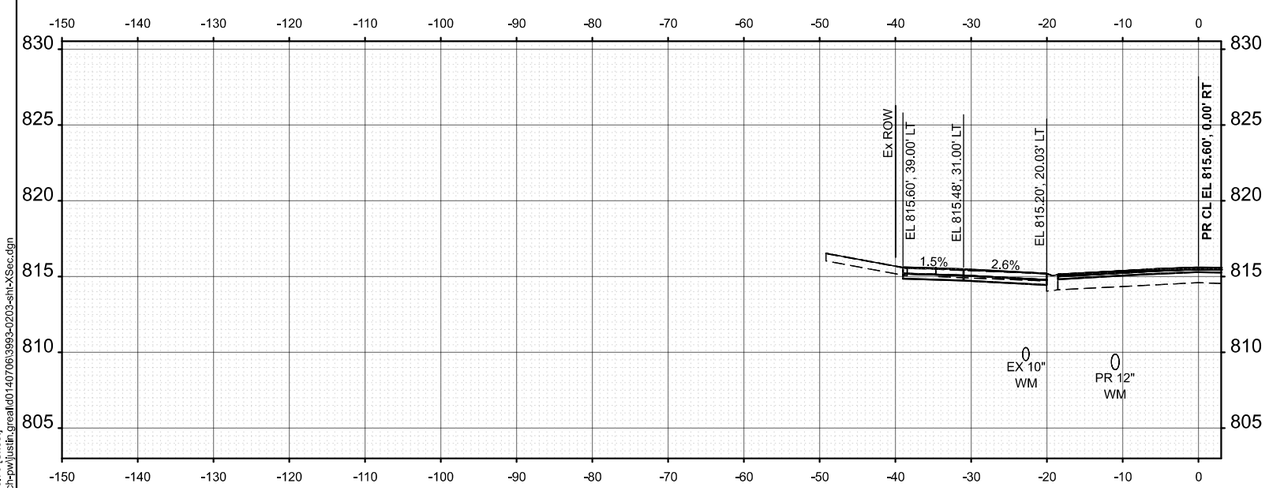

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	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

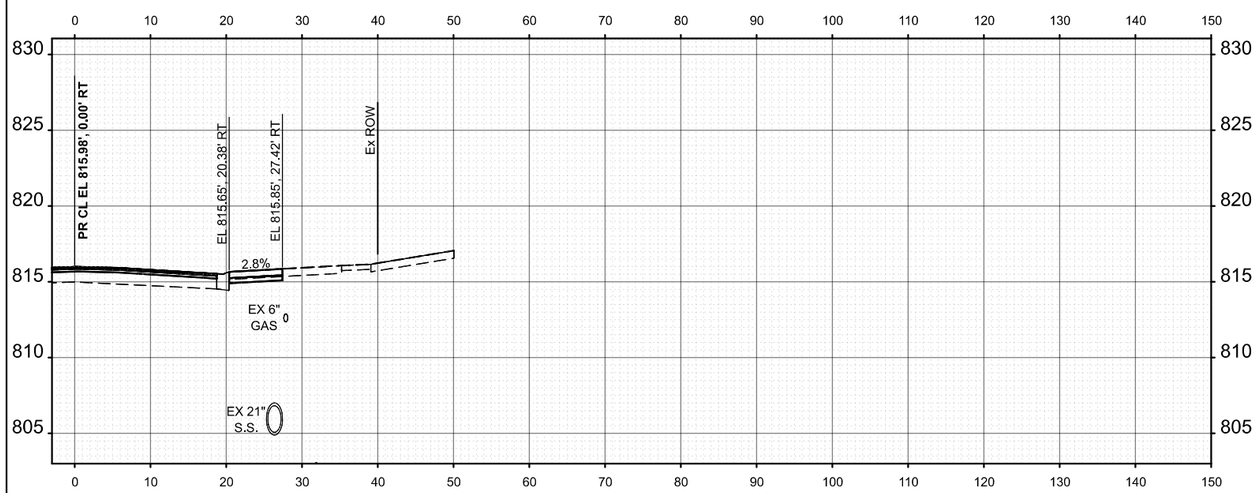
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 41 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	144

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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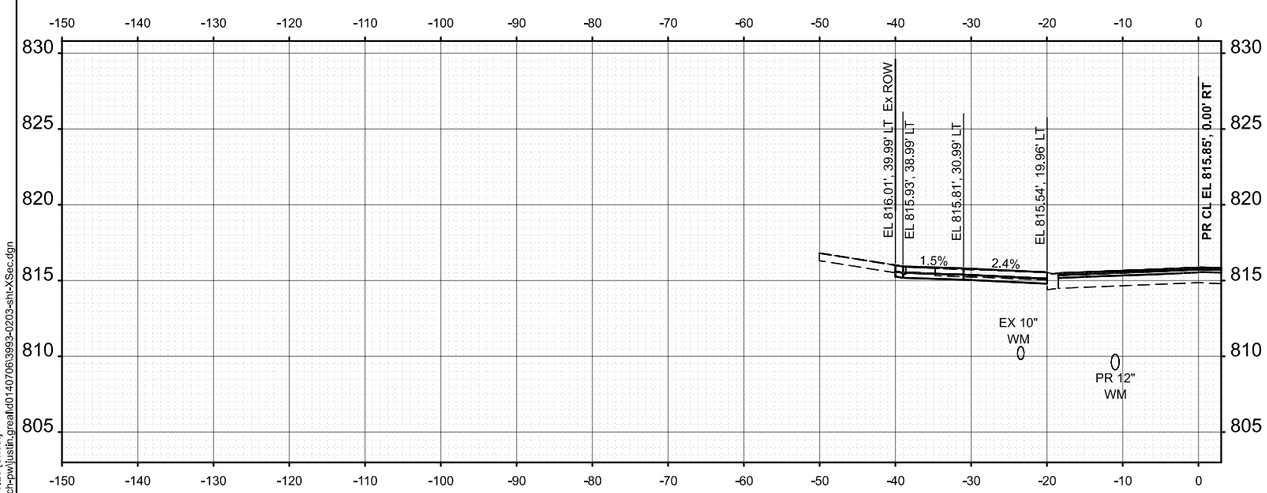

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	DRAWN - JRR	REVISED -	
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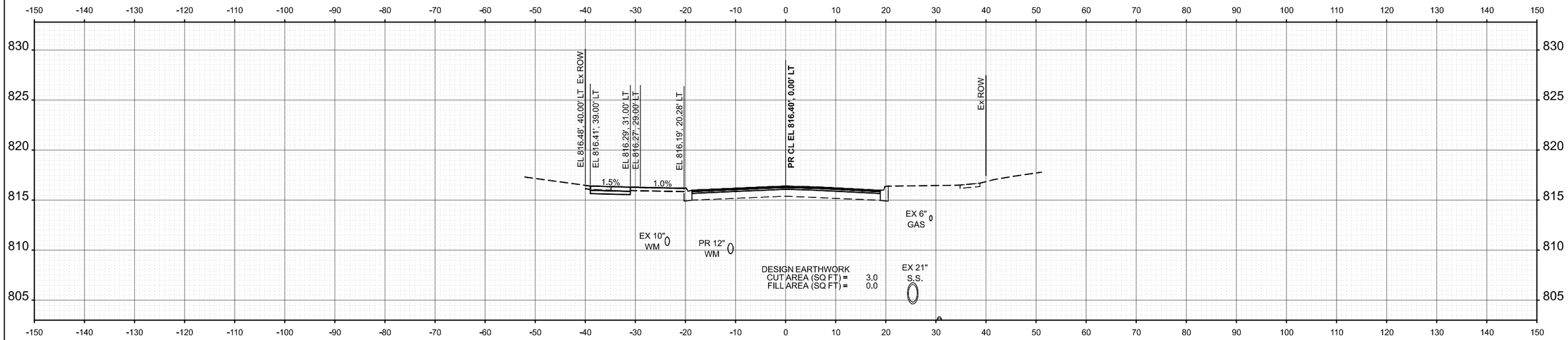
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 42 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	145
		CONTRACT NO. 61M28		
		ILLINOIS FED. AID PROJECT		



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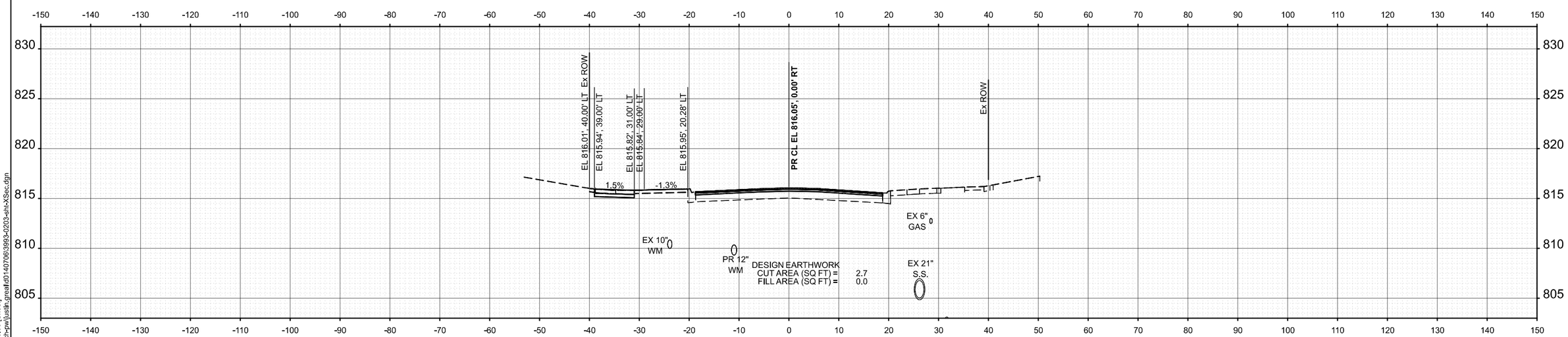

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	DRAWN - JRR	REVISED -	
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

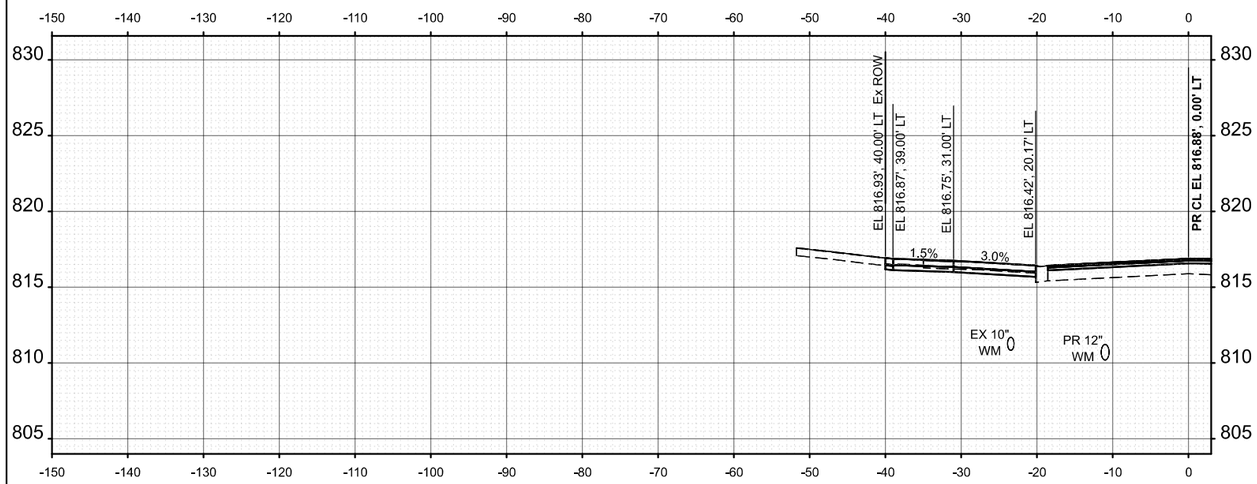
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 43 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	146

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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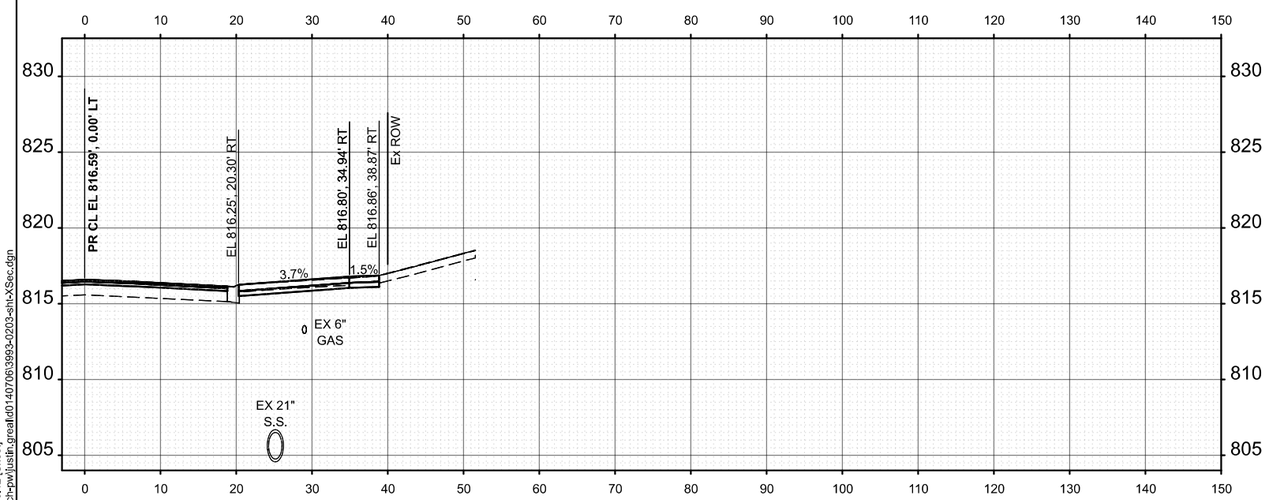

STA 355+65.12

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

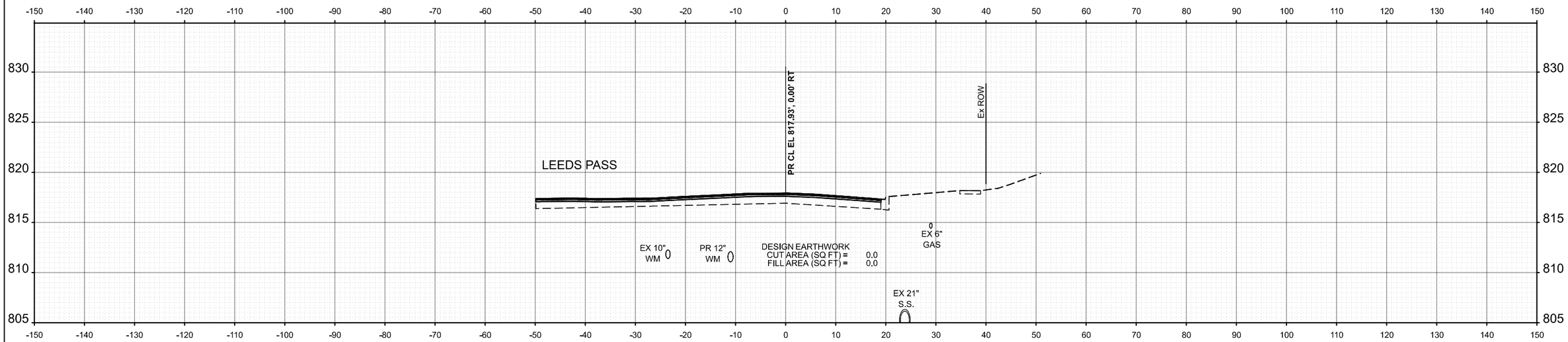
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 44 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	147

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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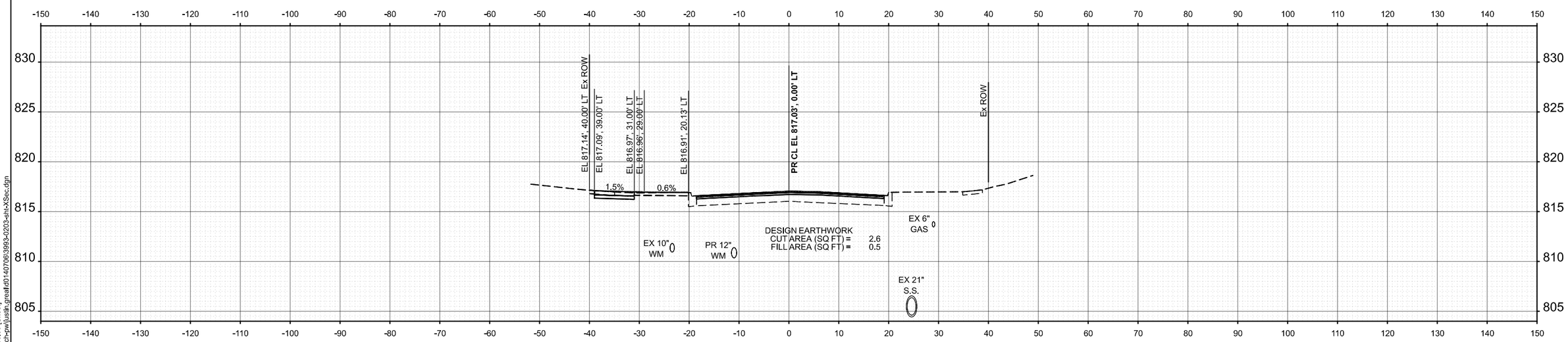

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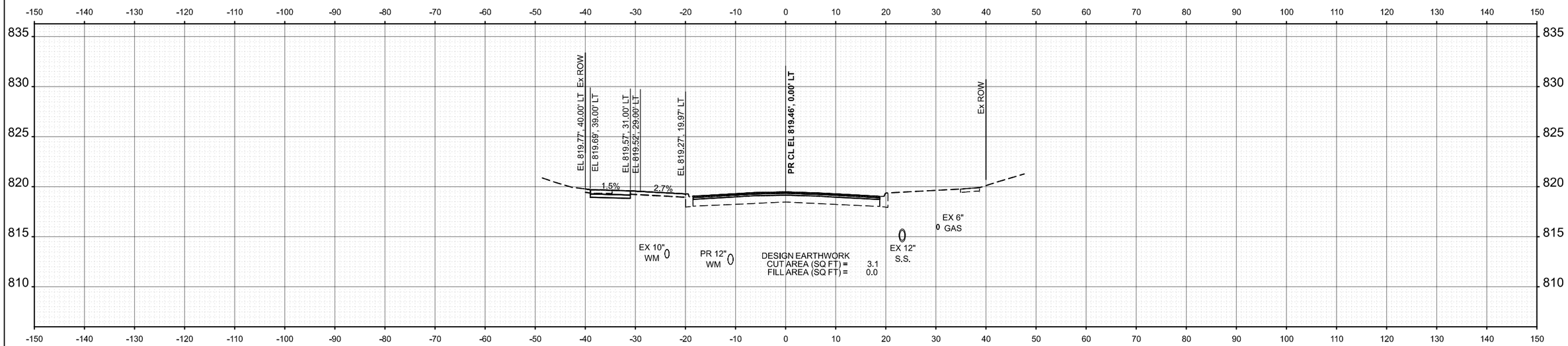
	DRAWN - JRR	REVISED -	
	CHECKED - NEM	REVISED -	
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 45 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	148
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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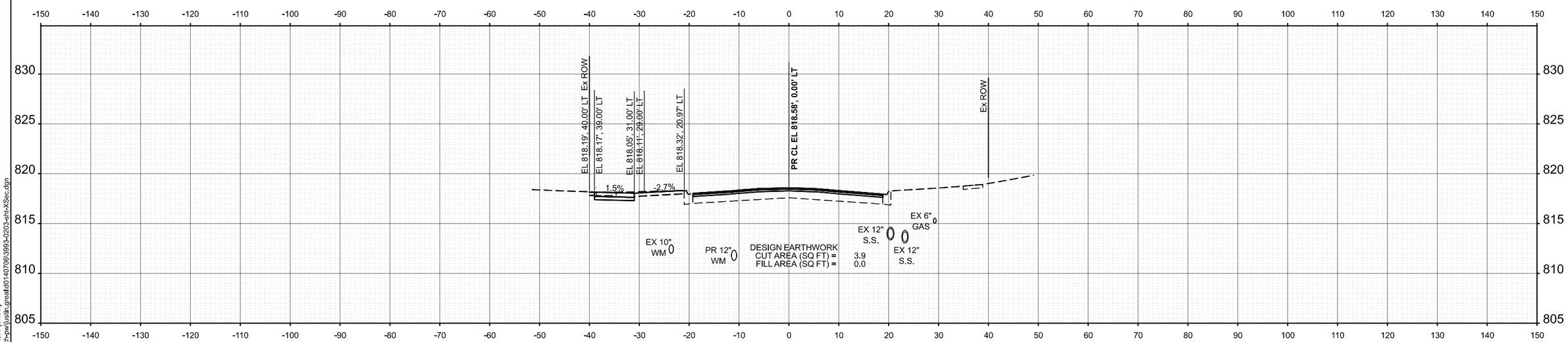

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

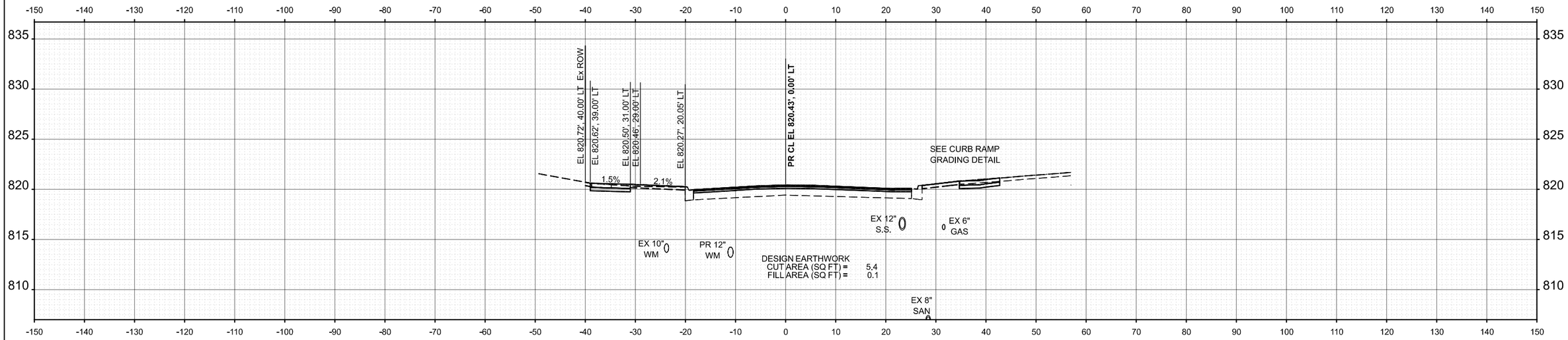
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 46 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	149

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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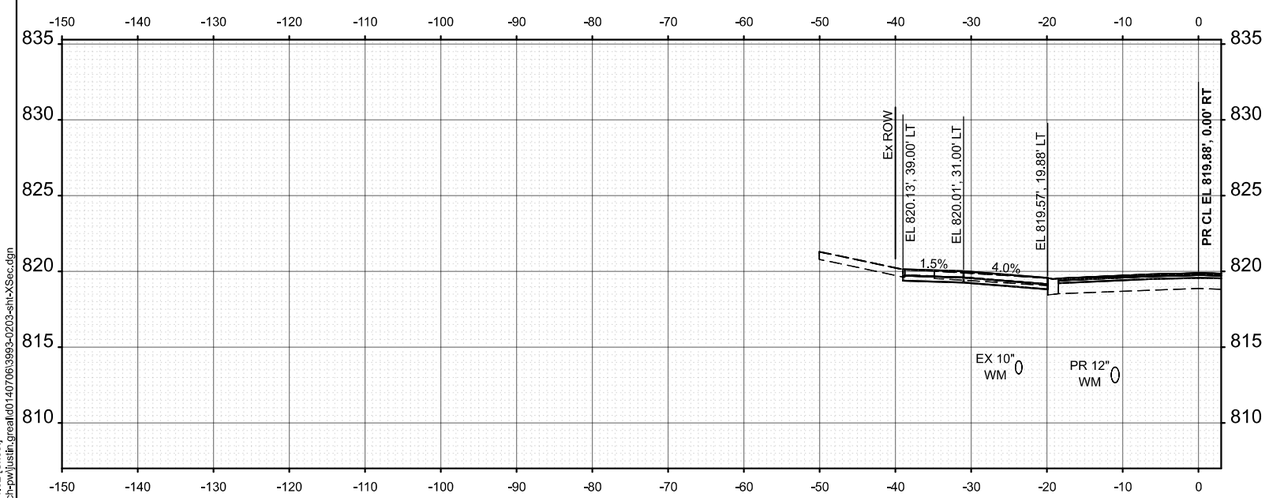

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

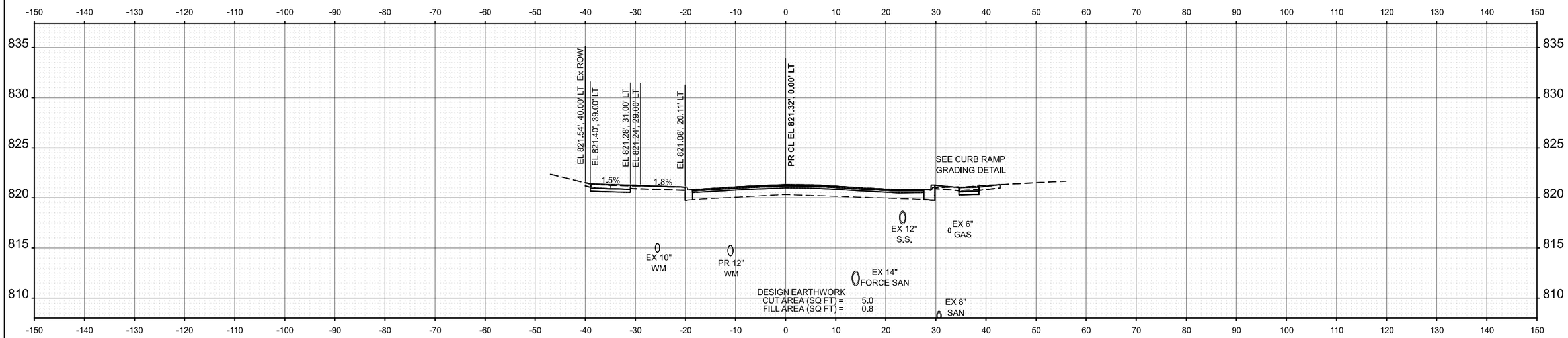
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 47 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	150

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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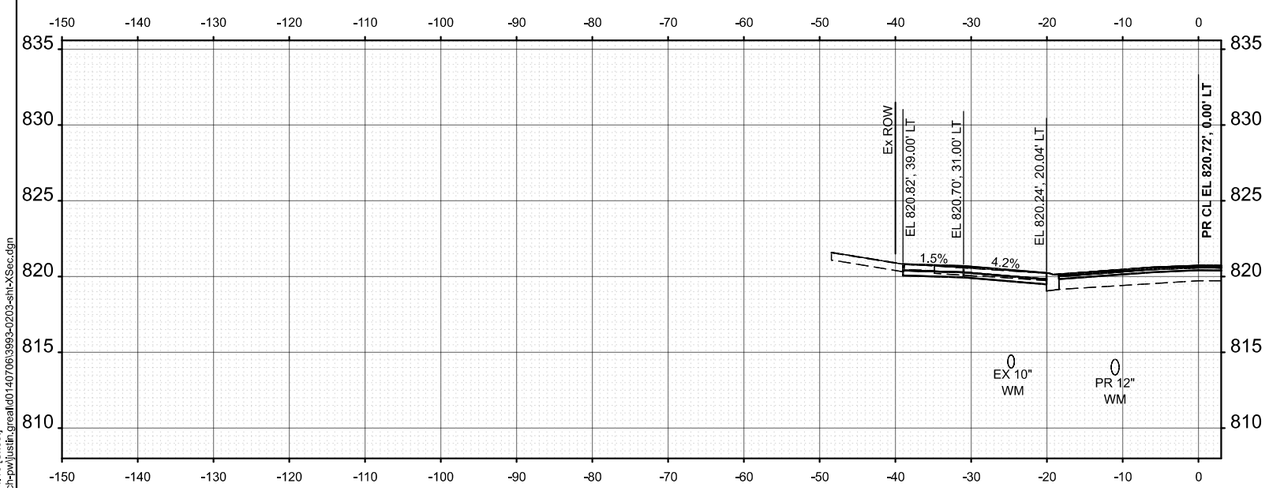

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

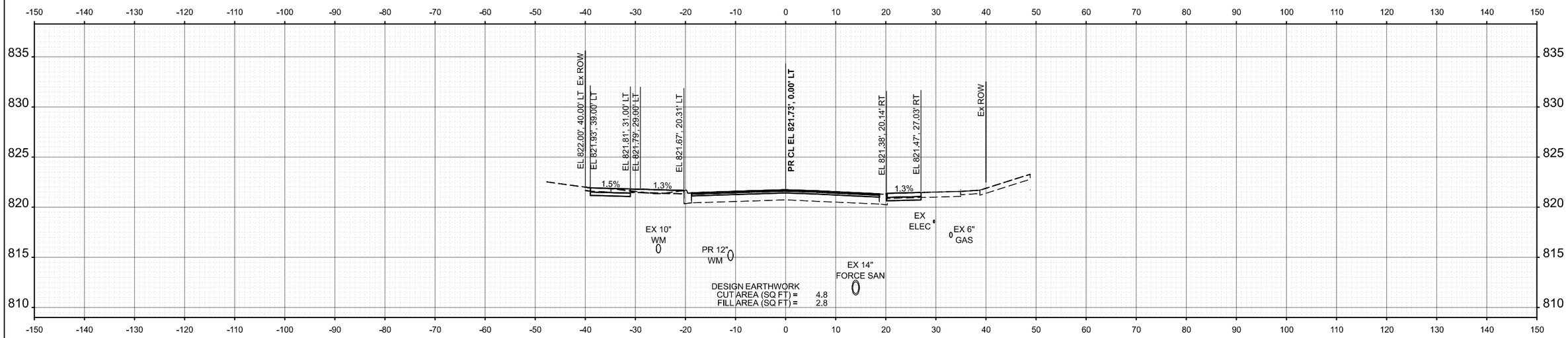
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 48 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	151

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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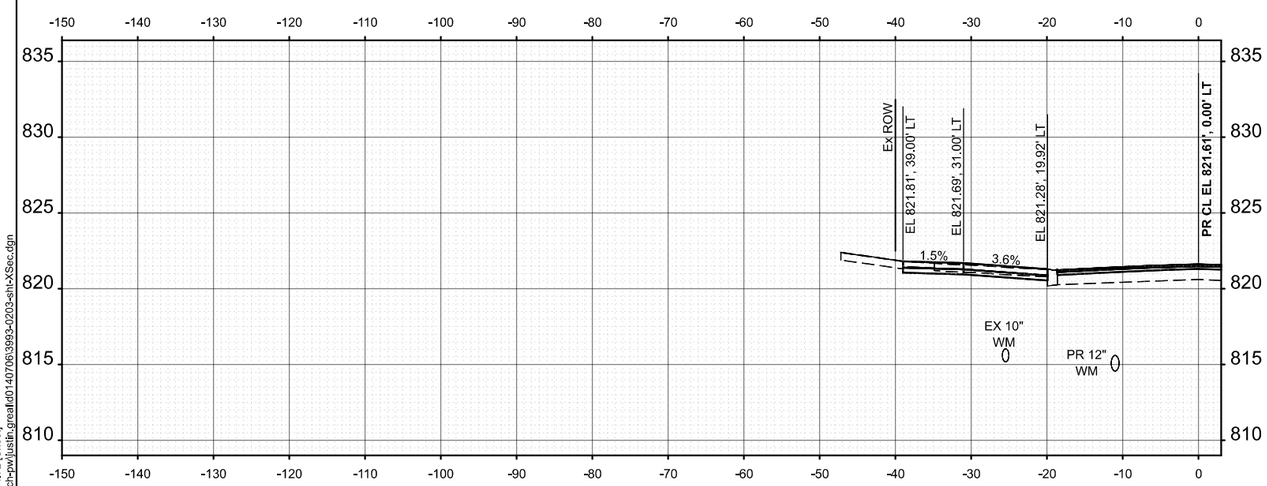

STA 358+84.72

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

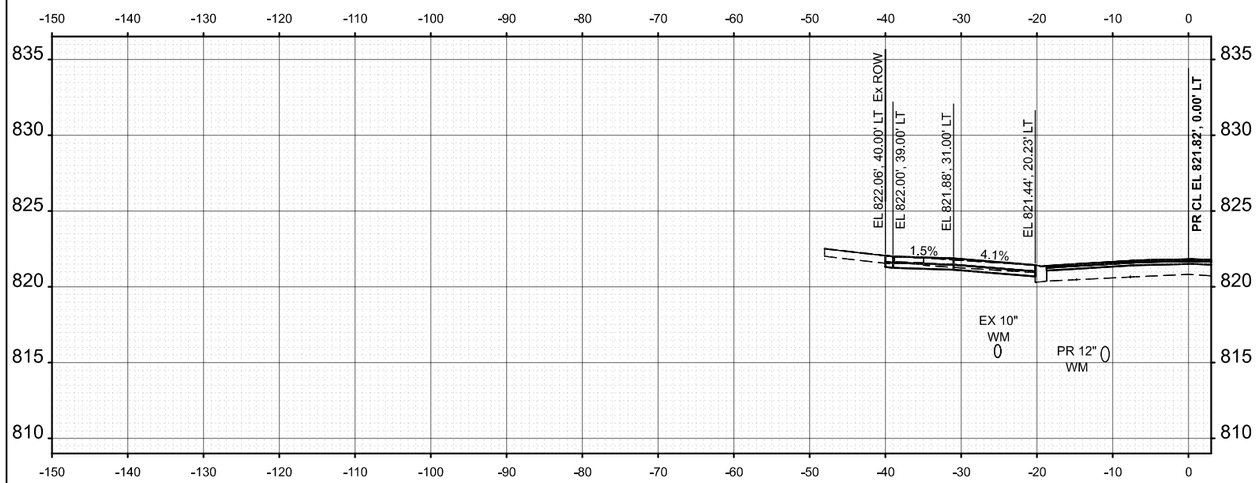
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 49 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	152

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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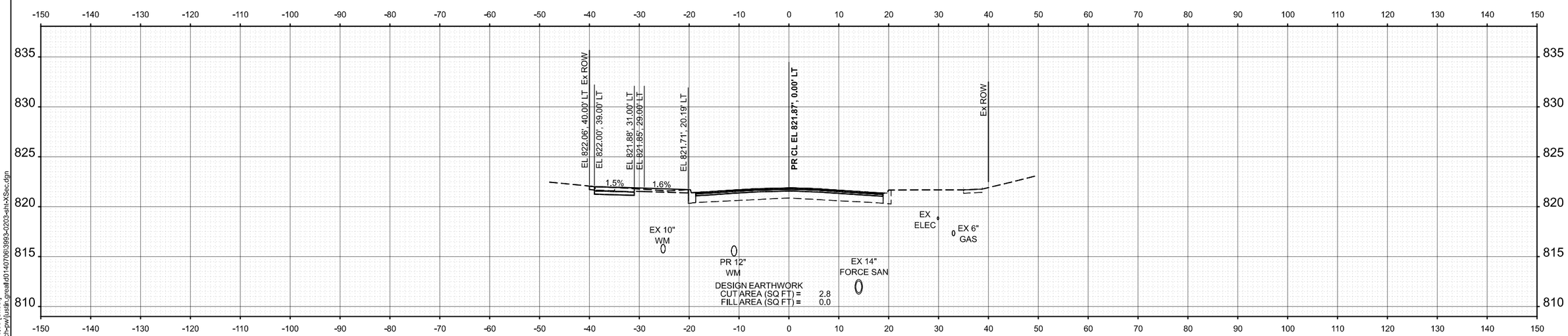

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

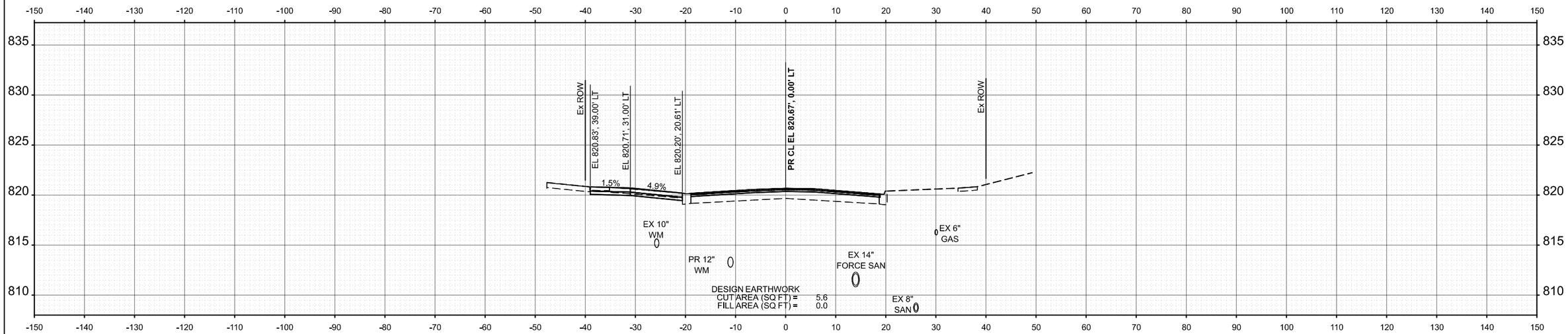
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 50 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	153

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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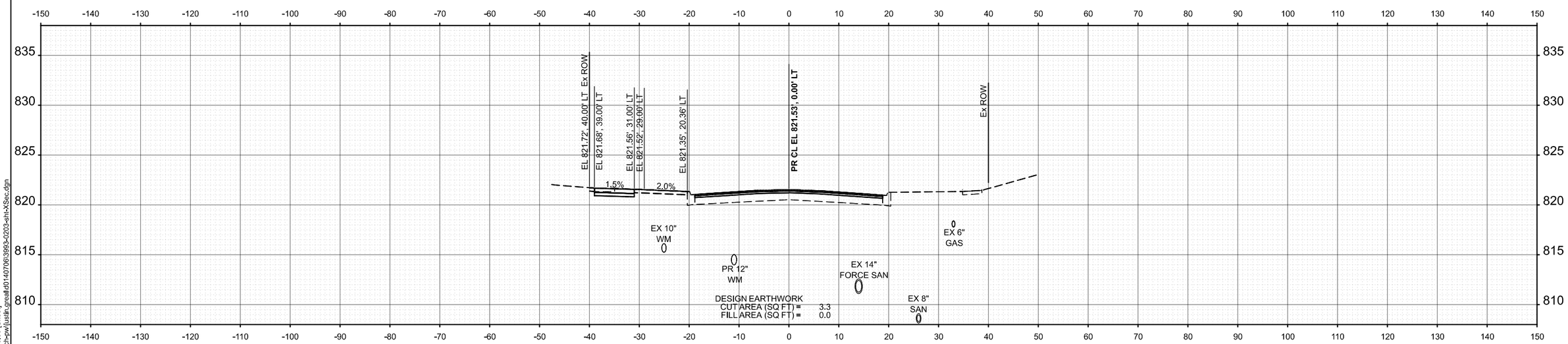

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

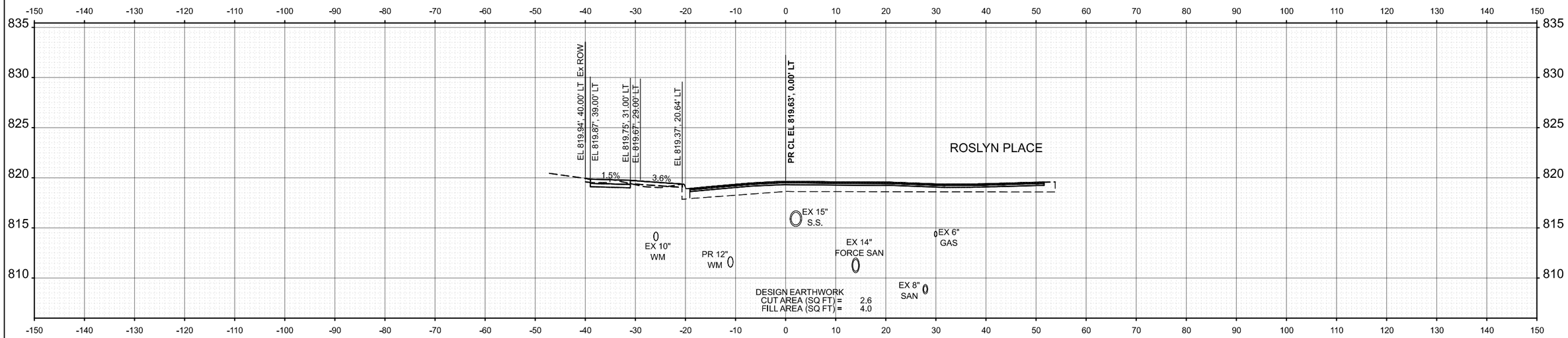
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 51 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	154

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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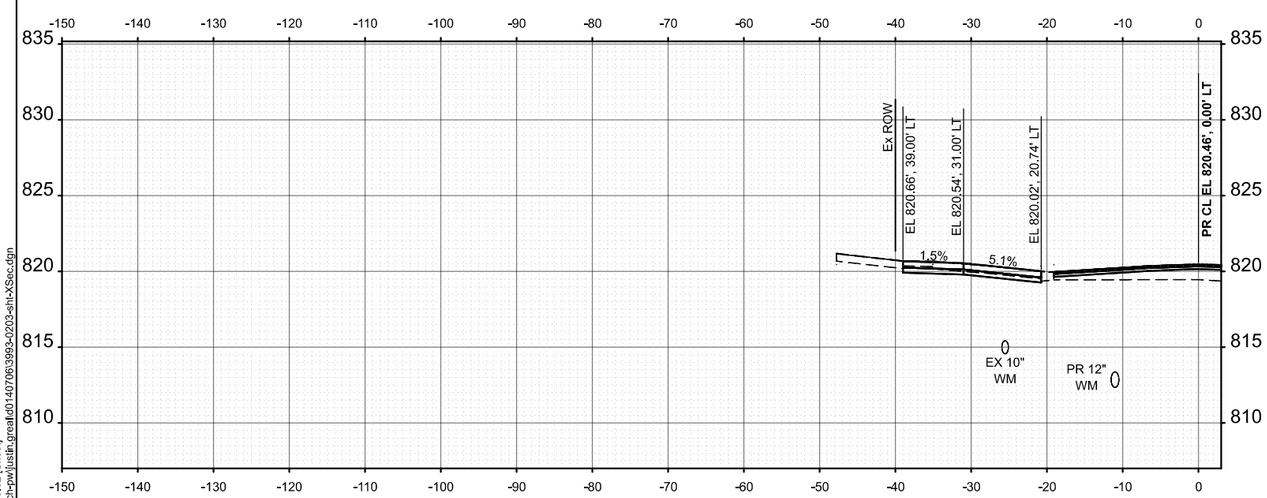

STA 360+59.82

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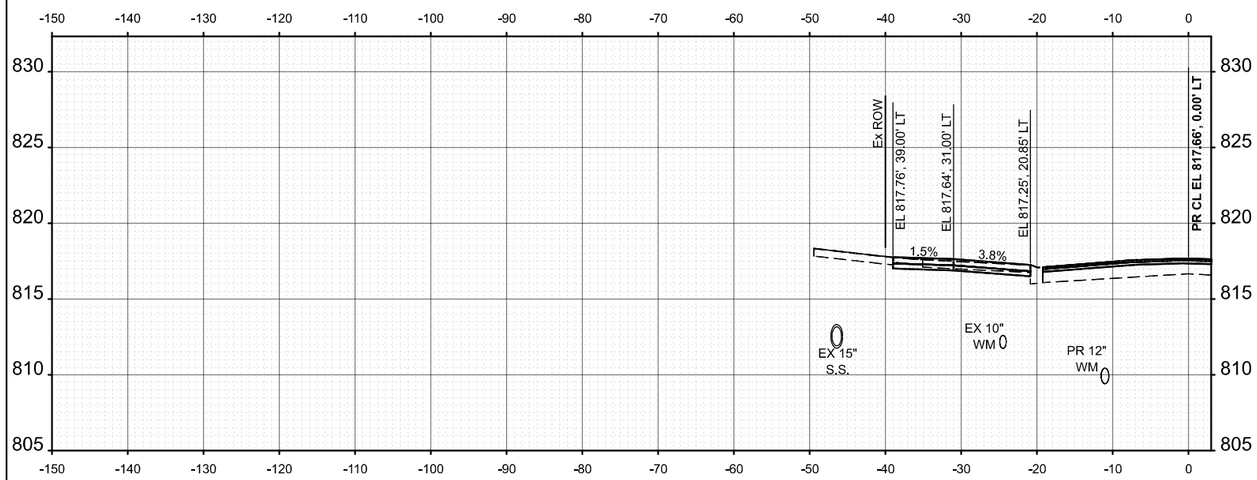
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 52 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	155
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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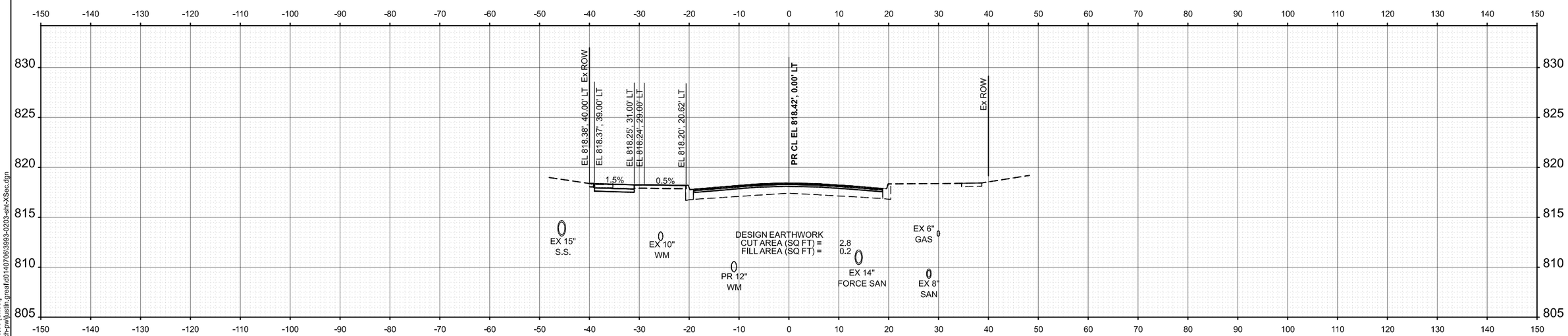

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

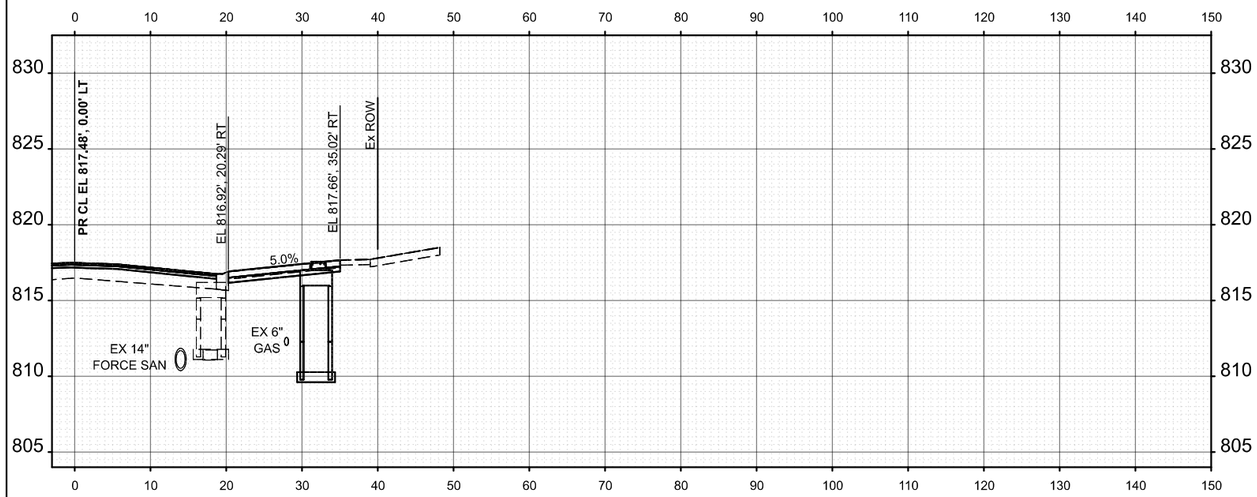
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 53 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	156

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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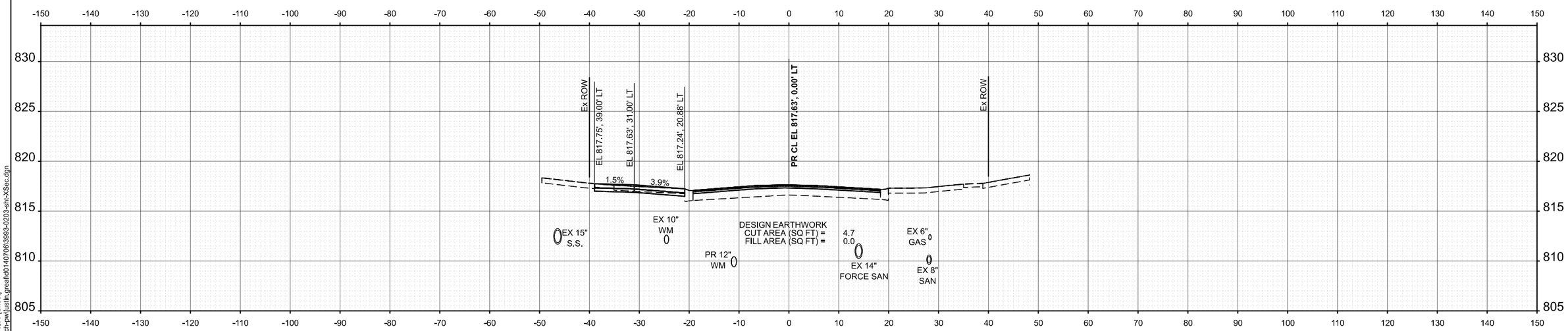

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	DRAWN - JRR	REVISED -	
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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

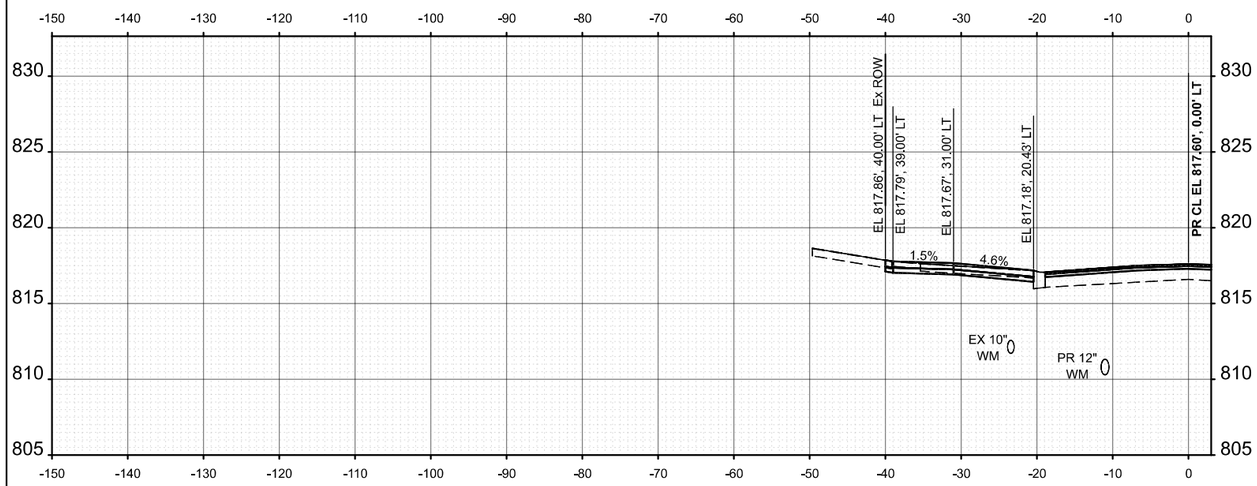
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 54 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	157

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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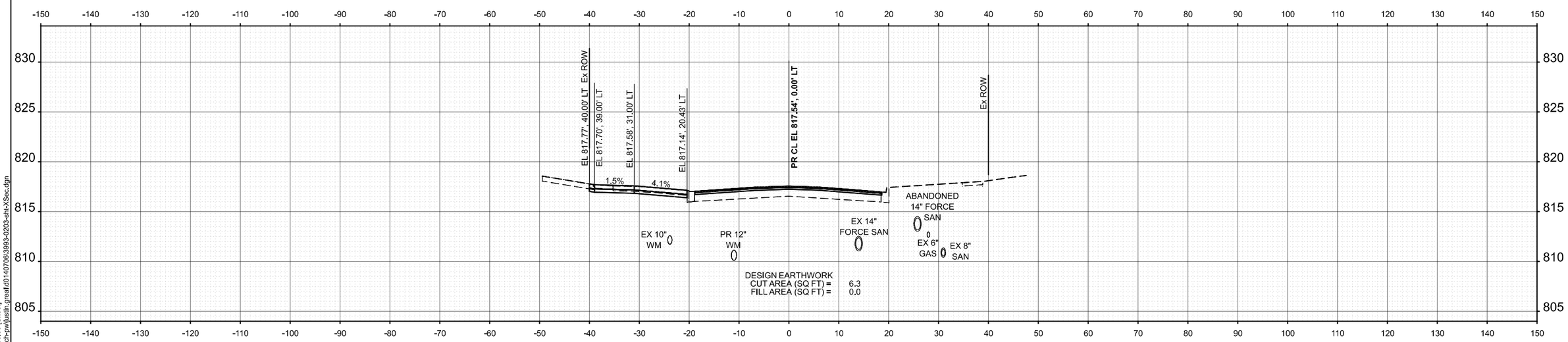

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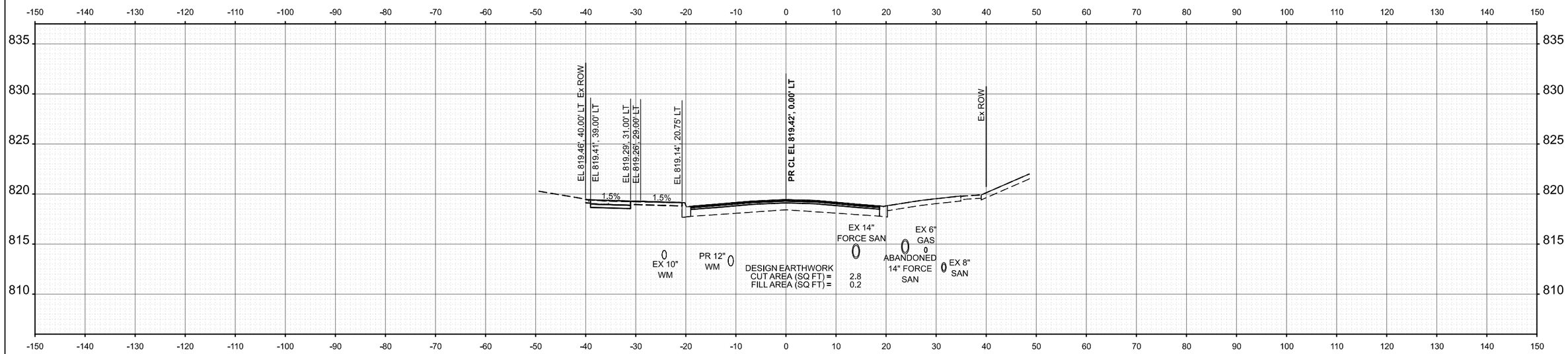
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 55 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	158
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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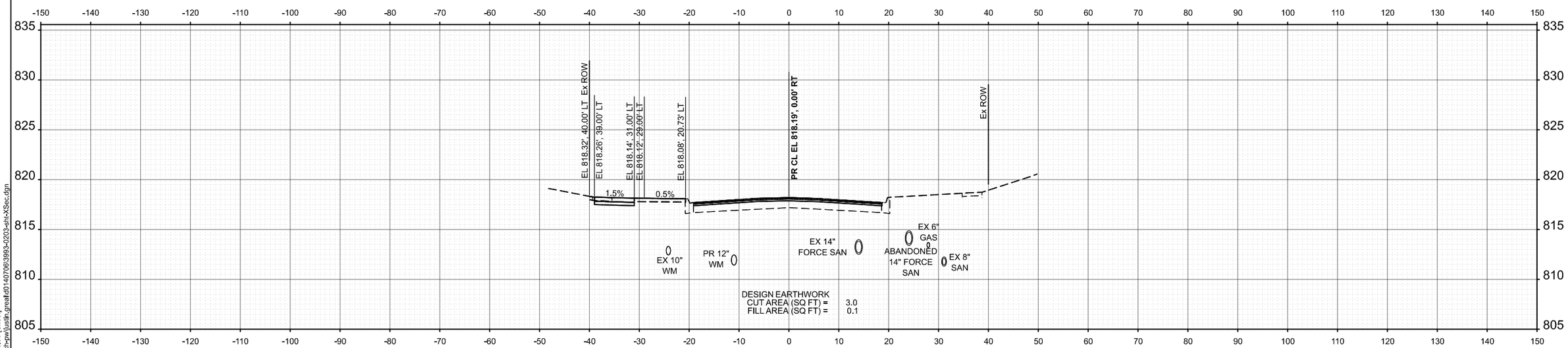

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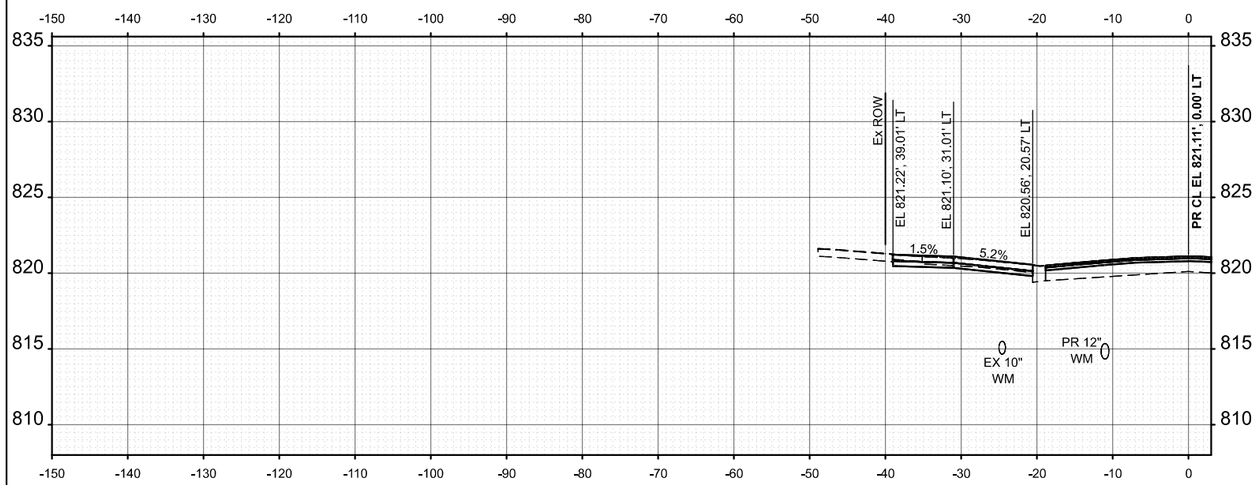
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 56 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	159
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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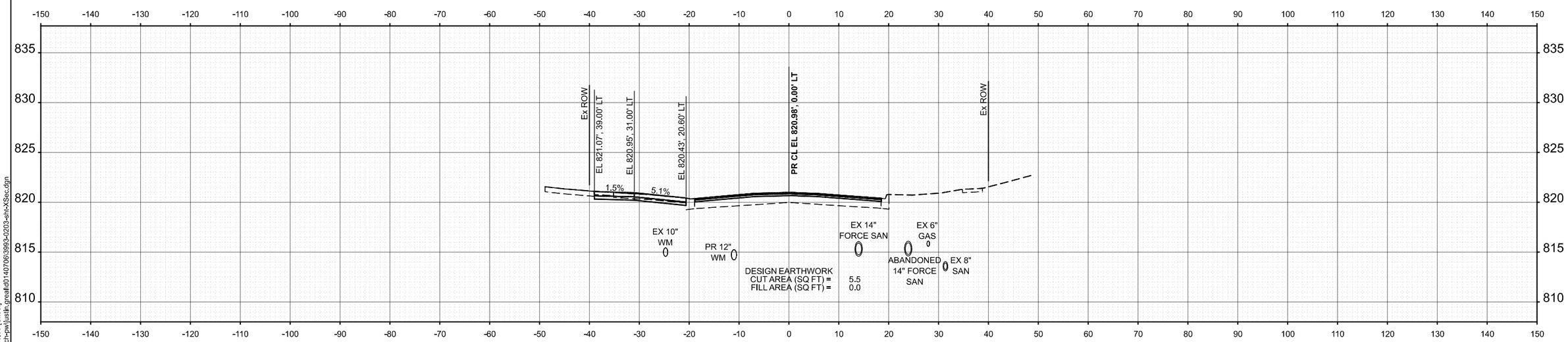

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

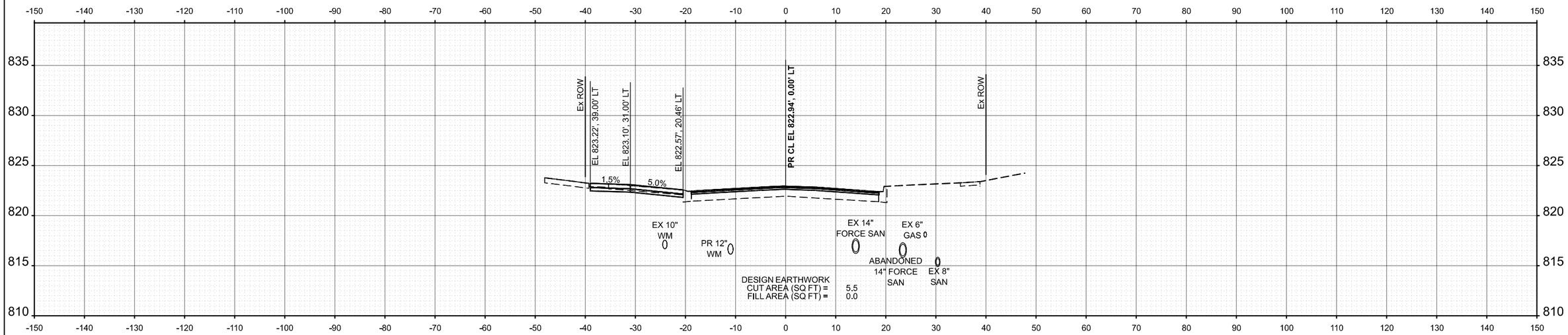
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 57 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	160

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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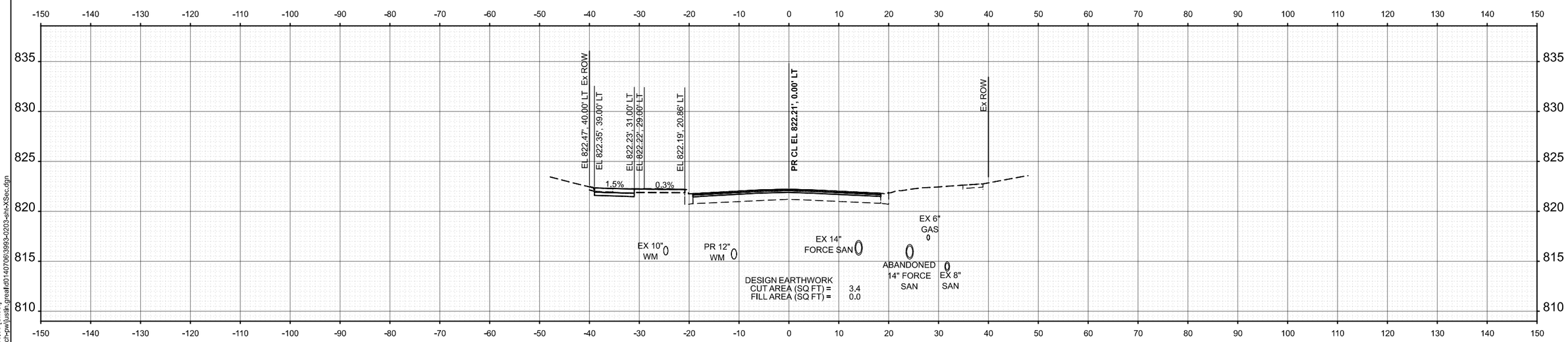

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

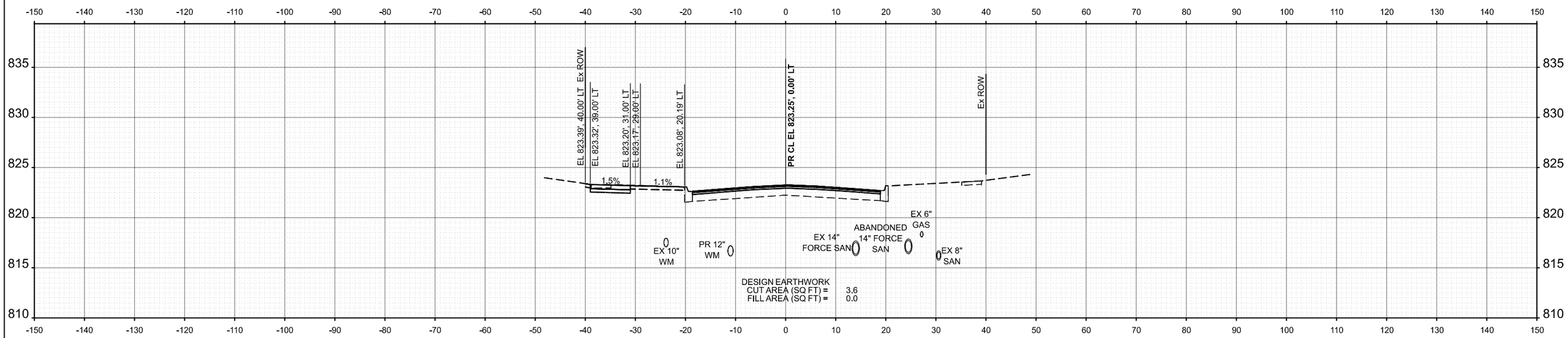
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 58 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	161

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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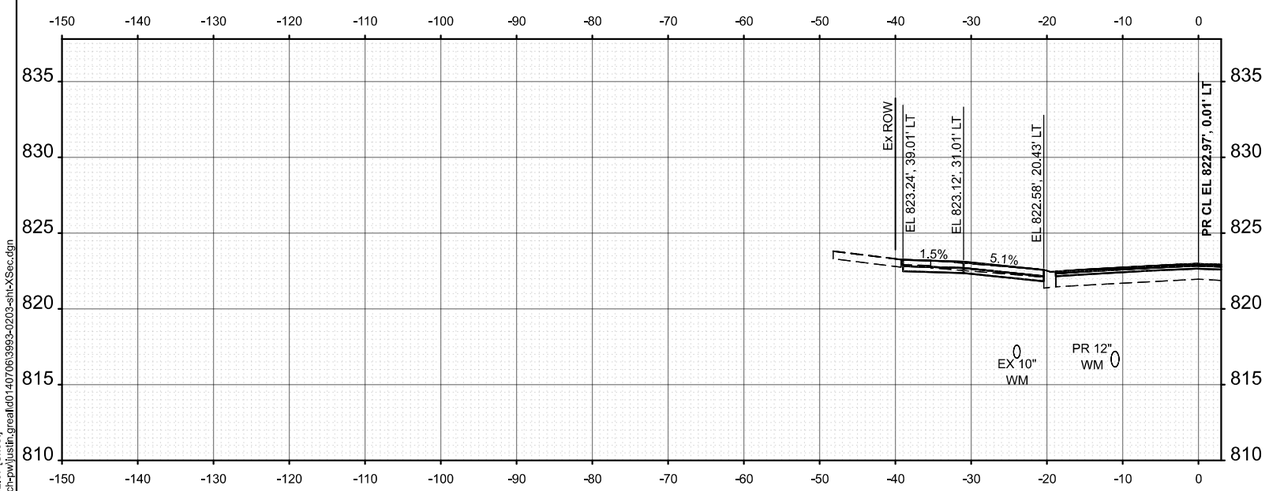

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

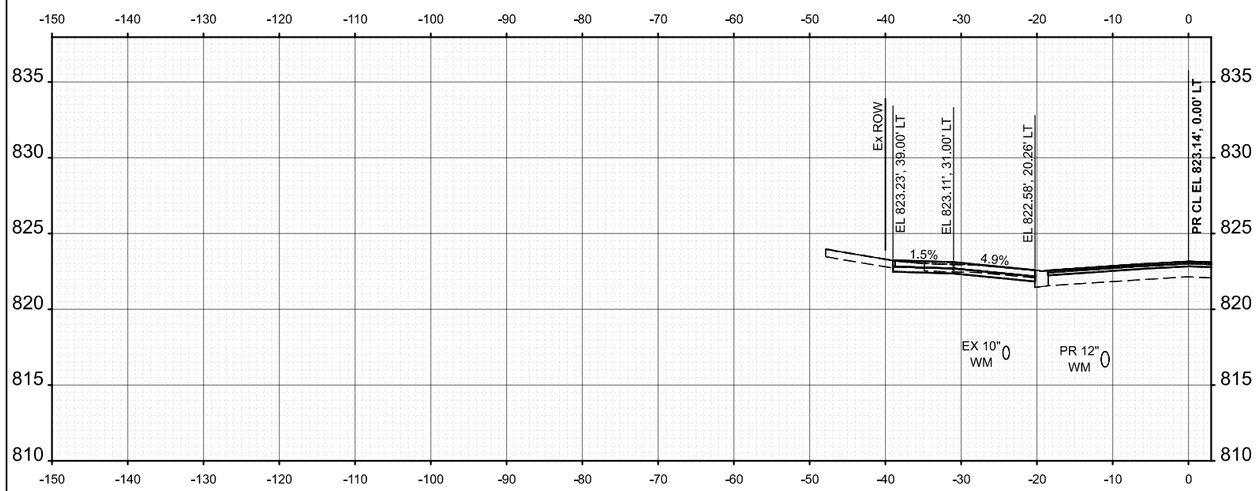
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 59 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	162

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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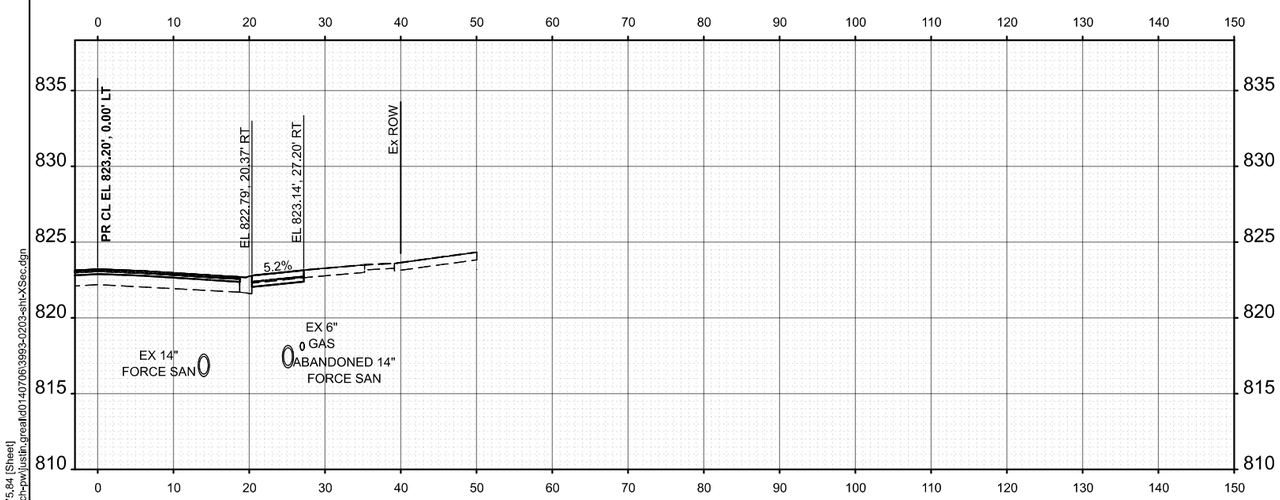

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

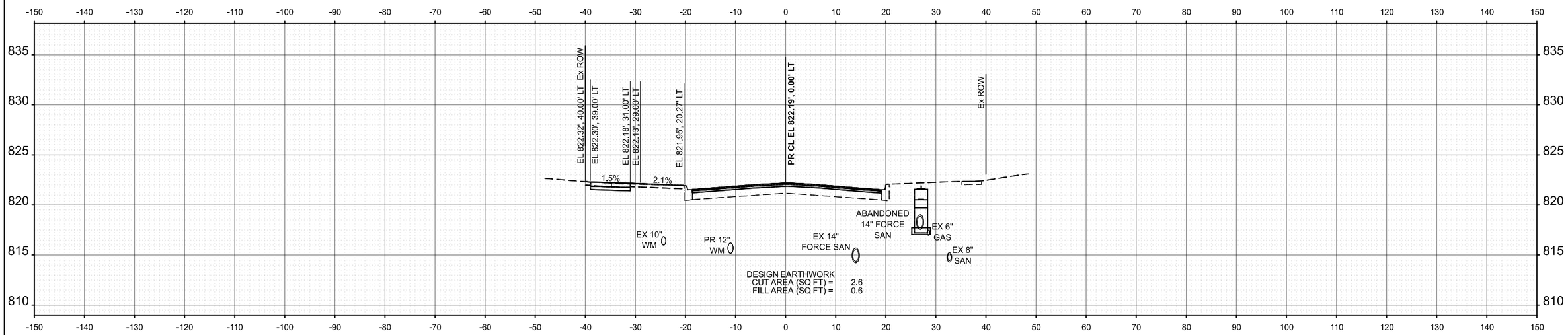
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 60 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	163

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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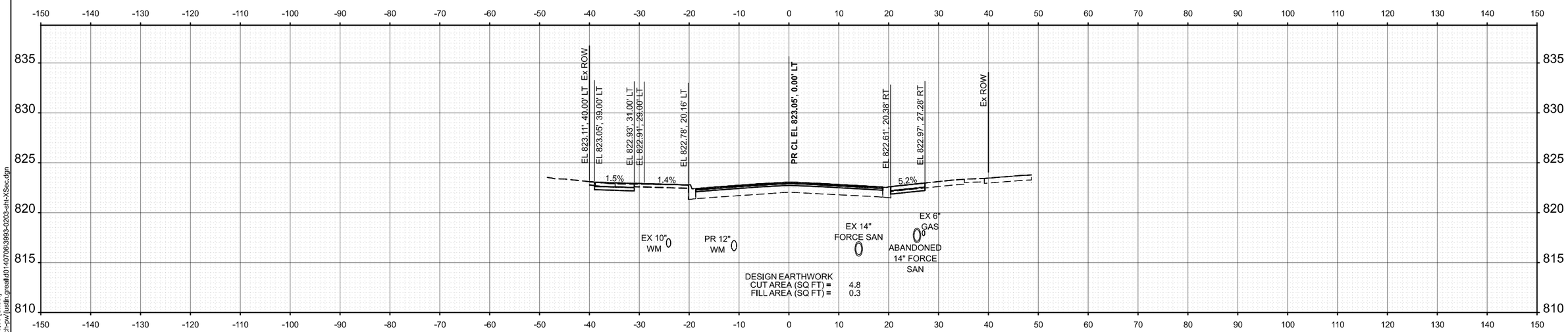

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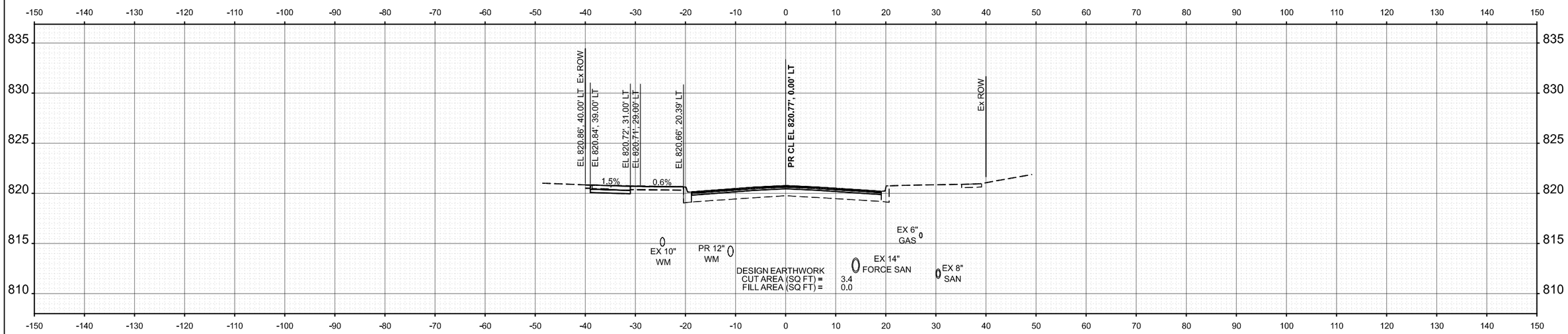
PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 61 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	164
		CONTRACT NO. 61M28		
		ILLINOIS	FED. AID PROJECT	



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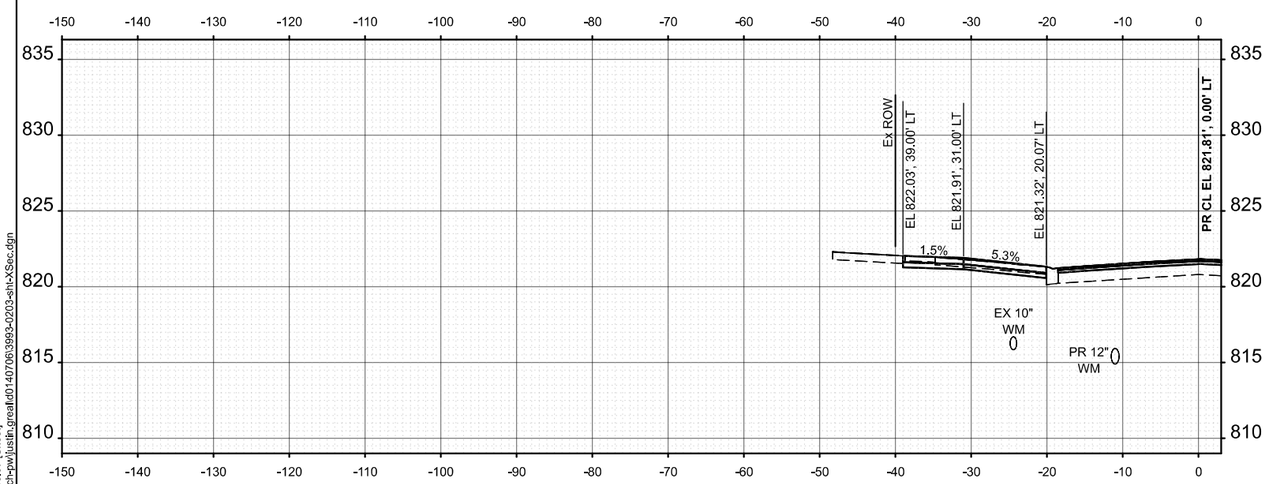

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

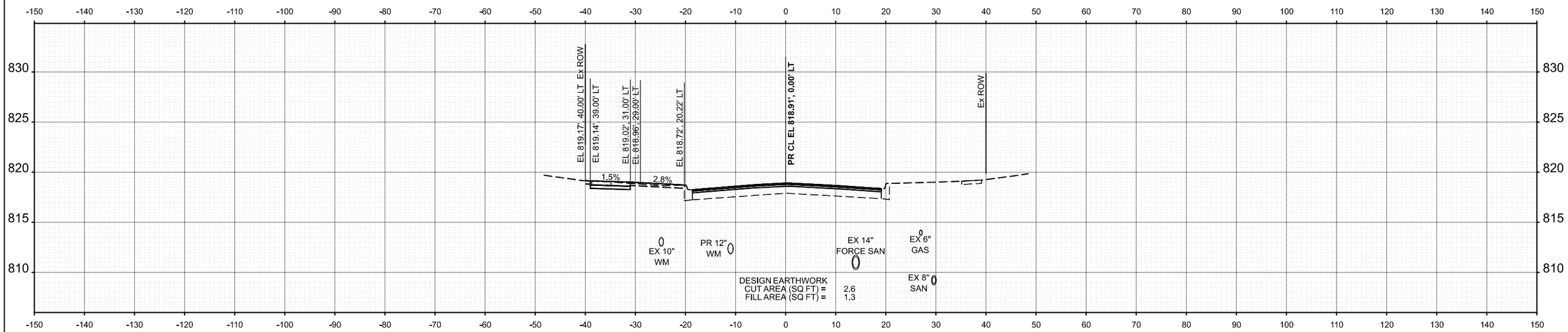
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 62 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	165

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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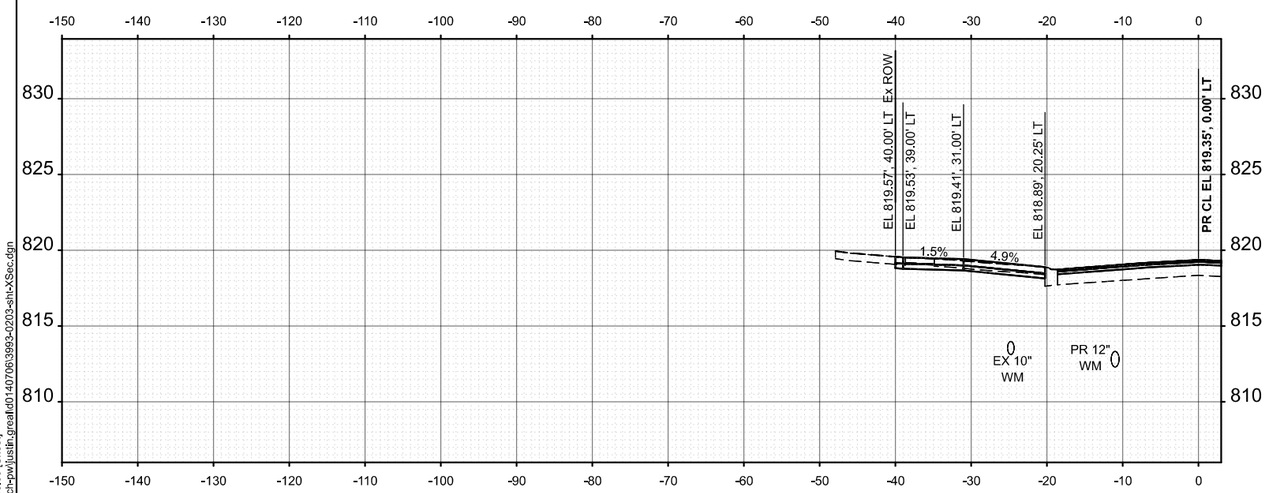

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

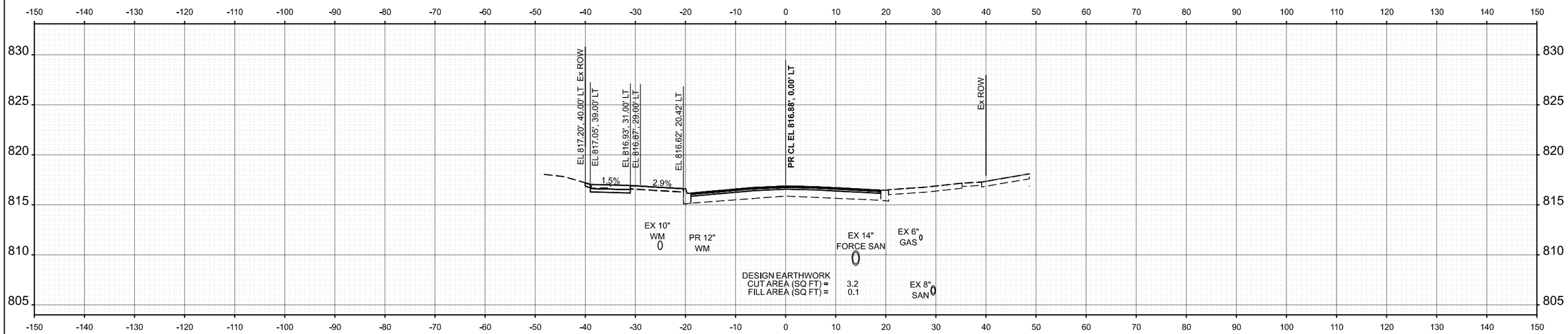
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 63 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	166

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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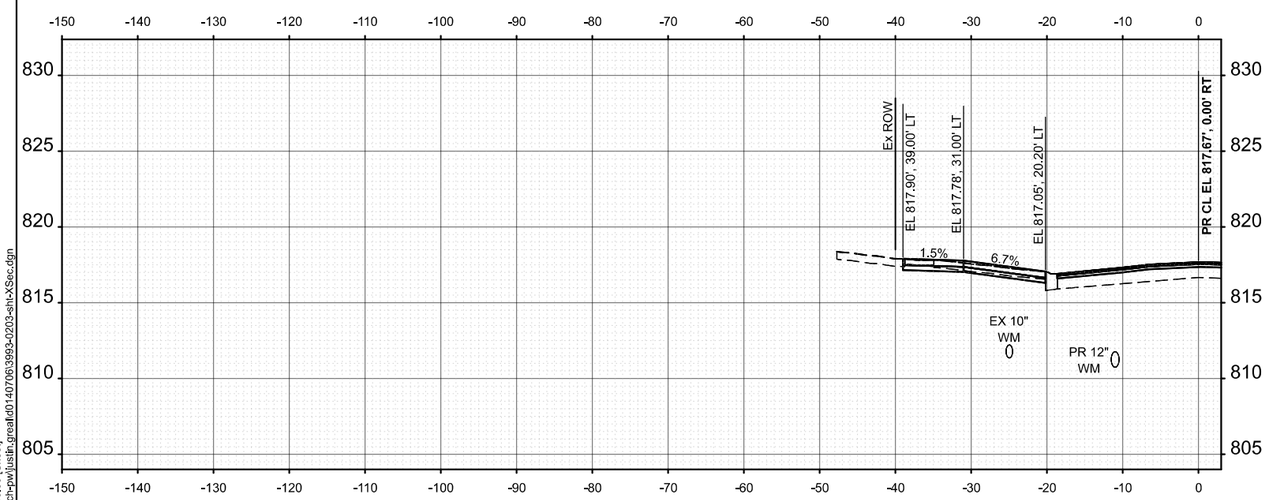

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

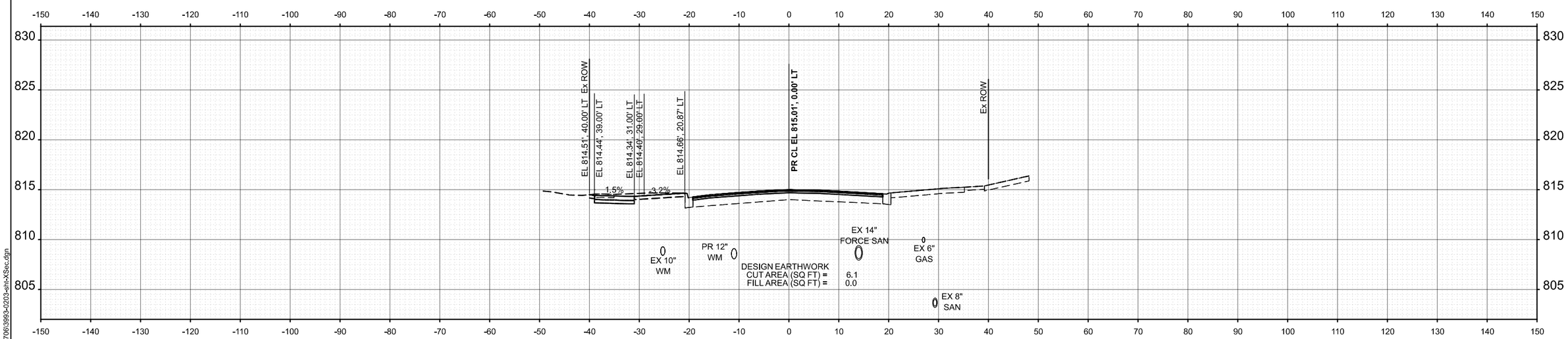
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 64 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	167

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

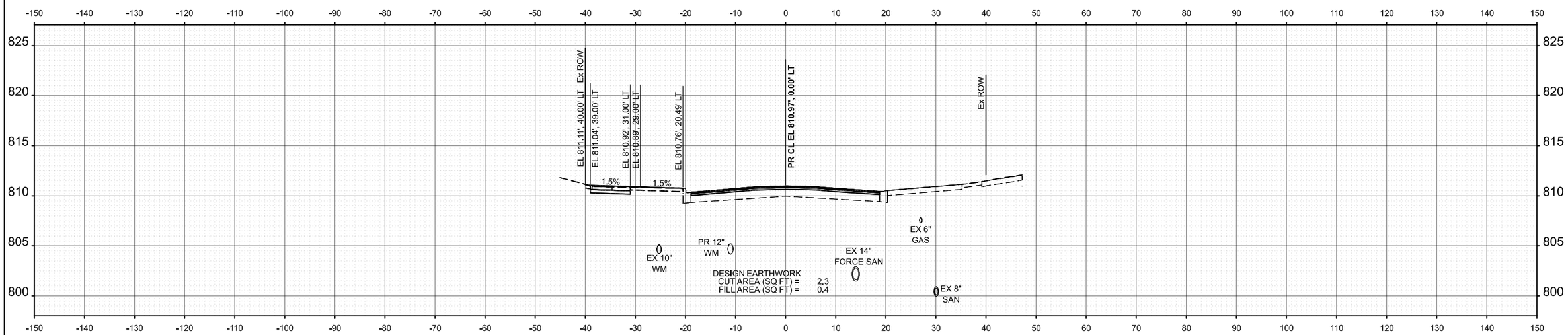
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: | SHEET 65 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	168

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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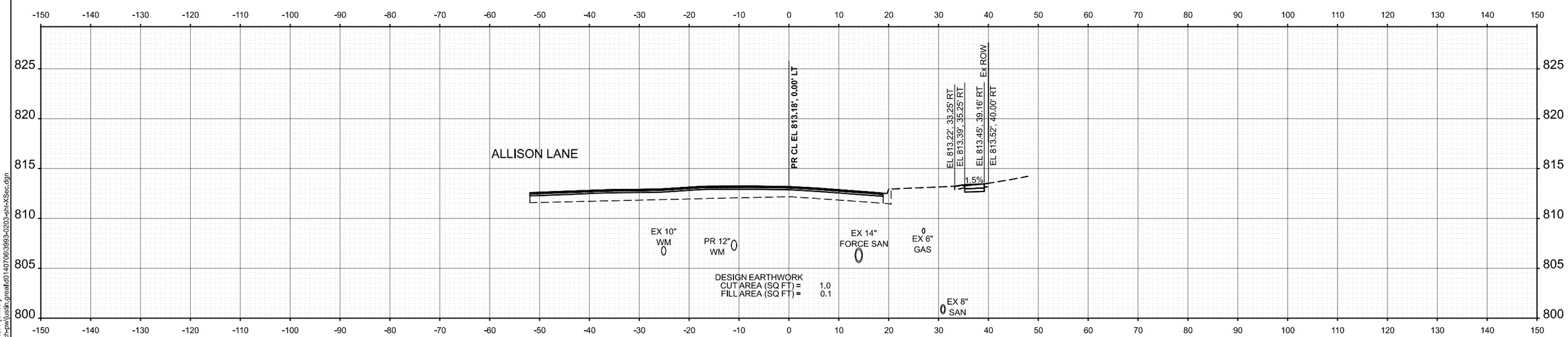

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

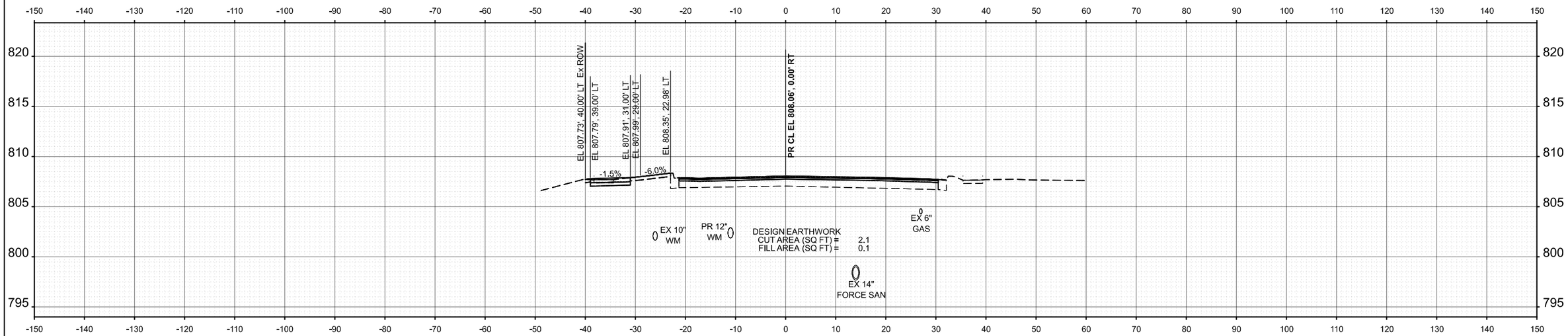
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 66 OF 69 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	169

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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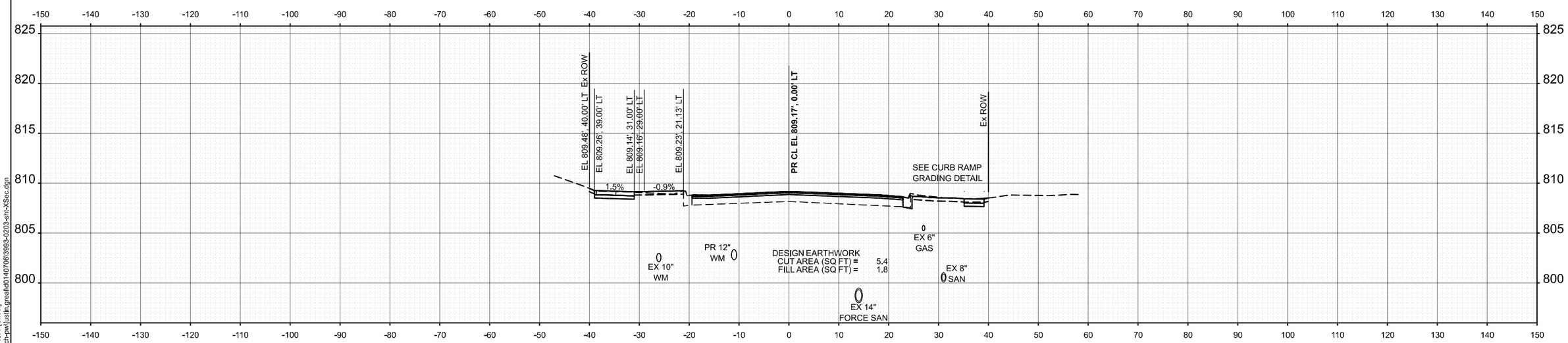

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

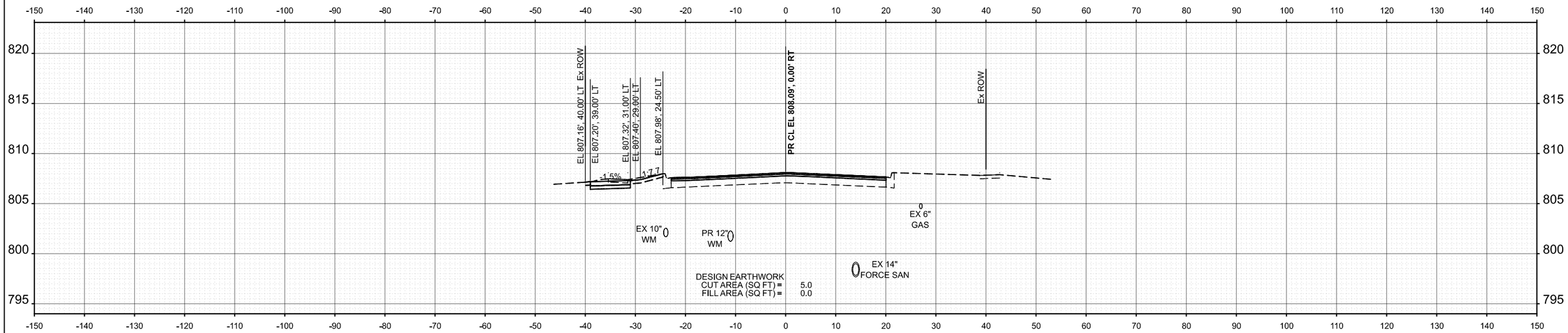
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 67 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	170

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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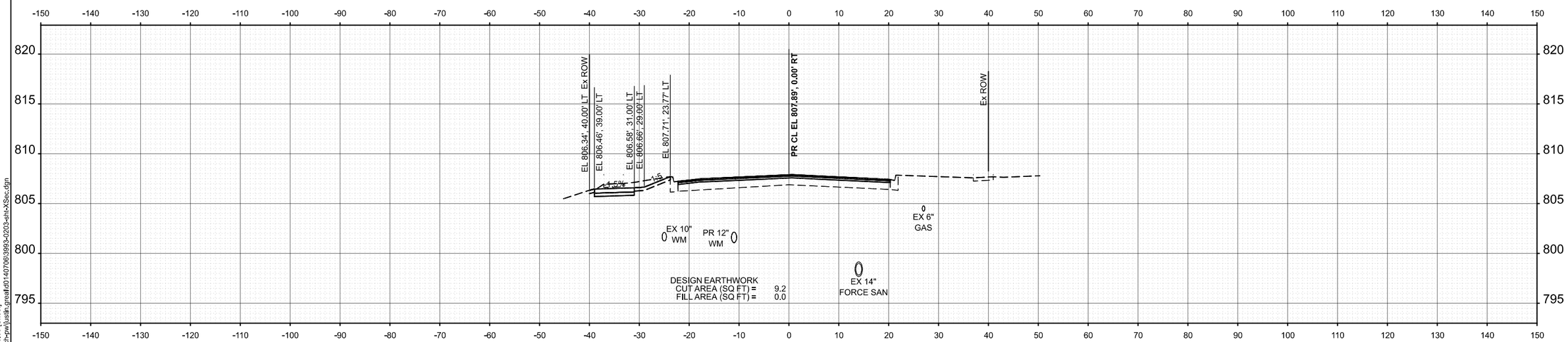

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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

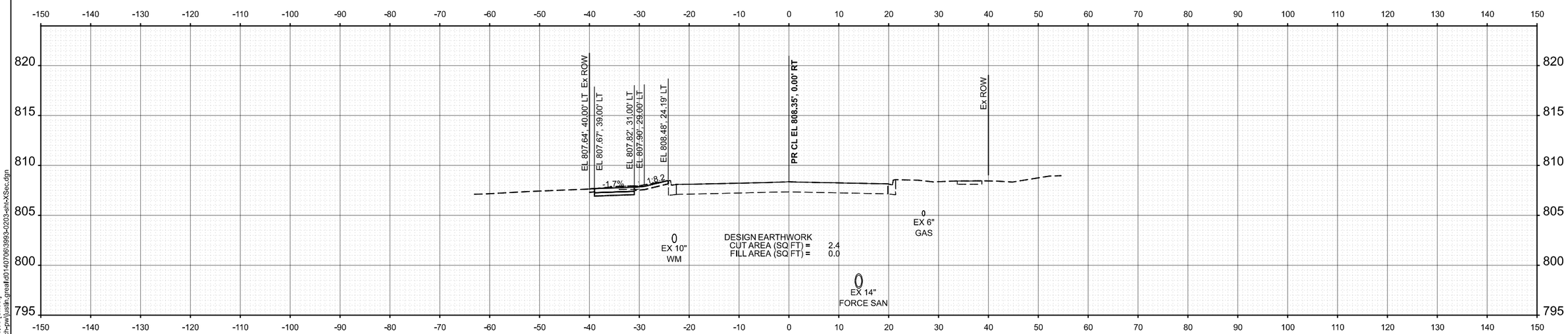
BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 68 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	171

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 12/11/2025	DATE - 11/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRAINTREE DRIVE - SCHAUMBURG ROAD TO BODE ROAD
CROSS SECTIONS

SCALE: 1"=10' | SHEET 69 OF 69 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4029	25-00149-02-RS	COOK	172	172

CONTRACT NO. 61M28

ILLINOIS | FED. AID PROJECT