11-06-2026 LETTING ITEM 036

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

FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR

TRAFFIC DATA
PRAIRIE AVENUE
ADT (2023) = 6,750

POSTED SPEED LIMIT
PRAIRIE AVENUE = 30 MPH

DESIGN SPEED LIMIT
PRAIRIE AVENUE = 30 MPH

HANCOCK ENGINEERING | 100+ Years of Excellence
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, IL, 60154-2780
Phone: 708-865-0300
www.ehancock.com

0 10' 20' 30' SCALE: 1" = 10'

0 50' 100' SCALE: 1" = 50'

0 50' 100' SCALE: 1" = 40'

0 50' 100' SCALE: 1" = 30'

0 50' 100' SCALE: 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.

811 Know what's below. Call before you dig.

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.
P (708) 588-4055
E WMOJobStart@mwrd.org

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

CONSULTANT: EDWIN HANCOCK ENGINEERING CO.
9933 ROOSEVELT ROAD
WESTCHESTER, IL 60154 PHONE: (708)865-0300

CONTRACT NO. 61M82

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (JAF0) Phase 1\COVER.dwg Aug 26, 2026 - 9:24am

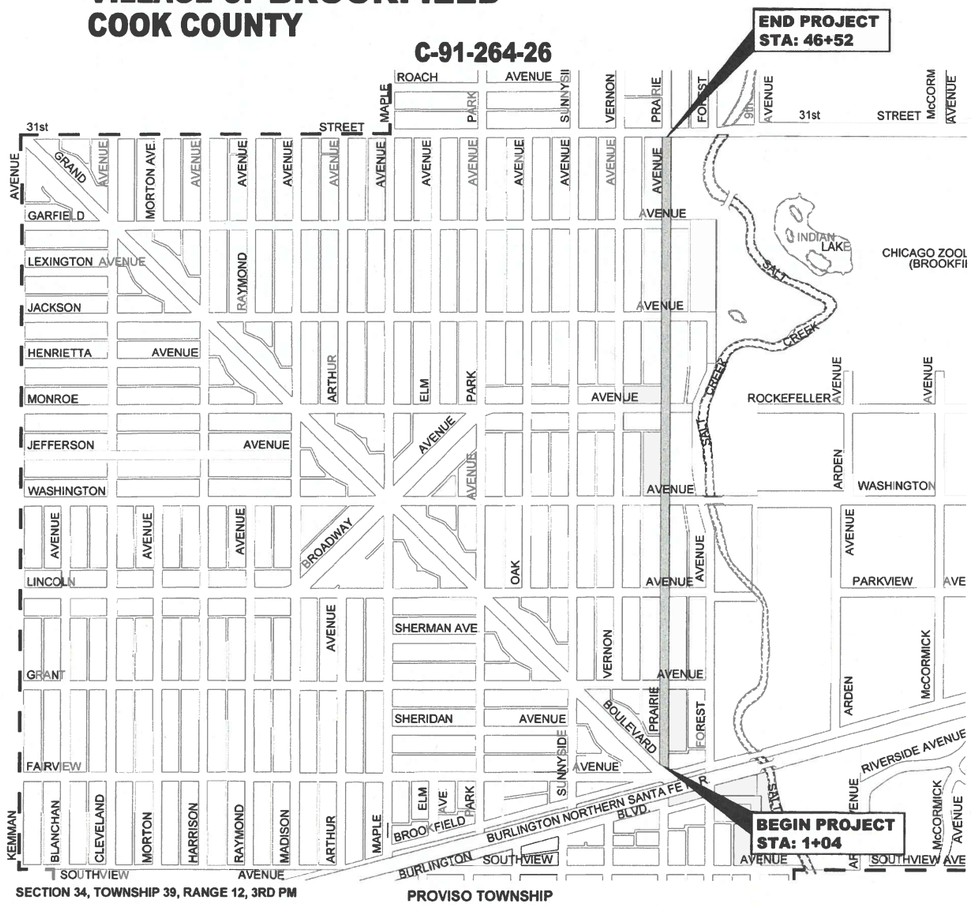
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 2732 (PRAIRIE AVENUE)
BROOKFIELD AVENUE TO 31ST STREET
RESURFACING
SECTION NO.: 25-00139-00-RS
PROJECT NO.: 0NQK(106)
VILLAGE OF BROOKFIELD
COOK COUNTY

C-91-264-26



SECTION 34, TOWNSHIP 39, RANGE 12, 3RD PM
PROVISO TOWNSHIP

N

(NOT TO SCALE)

- AREA OF IMPROVEMENT

GROSS LENGTH OF IMPROVEMENT = 4,548 FT = 0.862 MI
NET LENGTH OF IMPROVEMENT = 4,548 FT = 0.862 MI

FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00-139-00-RS	COOK	72	1
ILLINOIS PROJECT	0NQK(106)			
CONTRACT NO.	61M82			



LOCATION OF SECTION INDICATED THUS:

STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED Michael J. Hanus 20 26
VILLAGE OF BROOKFIELD, PRESIDENT

PASSED Aug 28 20 26
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW August 28 20 26
REGIONAL ENGINEER

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE PROPOSED DEVELOPMENT. IF ANY DRAINAGE PATTERNS WILL BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR THE COLLECTION AND DIVERSION OF SUCH SURFACE WATERS IN TO THE PUBLIC AREA, OR DRAINS APPROVED FOR THE USE BY THE MUNICIPAL ENGINEER, AND THAT SUCH SURFACE WATERS ARE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGES TO ADJOINING PROPERTIES

DANIEL J. O'MALLEY 62-073491 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

SIGNED : Daniel O'Malley
DATE : 8/26/2026 LICENSE EXPIRES : 11-30-27

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

EHE NUMBER 125-25-25301

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET, LOCATION MAP
2	INDEX OF SHEETS, LEGEND OF SYMBOLS, IDOT STANDARDS
3-4	GENERAL NOTES
5	M.W.R.D.G.C. GENERAL NOTES
6-15	SUMMARY OF QUANTITIES
16	EXISTING AND PROPOSED TYPICAL SECTIONS
17-27	PAVING AND UTILITY PLAN
28-30	PAVING AND UTILITY DETAILS
31	WATER AND SEWER SEPARATION REQUIREMENTS
32-40	MAINTENANCE OF TRAFFIC PLAN
41	DETOUR PLAN
42-44	EROSION CONTROL PLAN
45	ROUTE OUTLET MAP
46-49	PAVEMENT MARKING AND SIGNING PLAN
50-52	LANDSCAPING PLAN
53-54	STREET LIGHTING PLAN
55-56	STREET LIGHTING WIRING DIAGRAM
57-58	LIGHTING DETAILS
59	DETECTOR LOOP REPLACEMENT PLAN
60-72	IDOT DISTRICT ONE DETAILS

DISTRICT ONE DETAILS

FRAMES AND LIDS ADJUSMENT WITH MILLING (BD-08)

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)

BUTT JOINTS AND HMA TAPER DETAILS (BD-32)

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)

DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)

ARTERIAL ROAD INFORMATION SIGN (TC-22)

DRIVEWAY ENTRANCE SIGNING (TC-26)

DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS,
SHEET 1-2 (TS-01)

LIGHT POLE FOUNDATION (BE-300)

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

EXISTING	PROPOSED	DESCRIPTION
		MANHOLE
		INLET
		CATCH BASIN
		FIRE HYDRANT
		STREET LIGHT
		WATER MAIN VALVE VAULT
		POWER POLE
		POWER POLE WITH LIGHT
		GAS VALVE
		SPRINKLER
		WATER MAIN VALVE BOX
		WATER SERVICE BOX
		TREE
		PIPE TO BE ABANDONED OR REMOVED
		COMBINED SEWER
		SANITARY SEWER
		STORM SEWER
W	W	WATER MAIN
		UNDERDRAIN
G R:XXX.XX XXX.XX 12"W	TY. C CB R: 619.91 616.31 12"W	GAS MAIN
R:~~XXX.XX~~ T XXX.XX 12"N–S T/P	R: 620.00 615.00 12"N-S T/P	ELECTRIC LINE
		TELECOMMUNICATION LINE
		DRAINAGE SUMMIT
		DIRECTION OF FLOW
XXX XXXX	627.75 620.50	WATER MAIN VALVE VAULT RIM AND TOP OF PIPE ELEVATION
XXX XXX	4' DIA. MH R:622.05 617.35 8"N	COMBINATION MANHOLE RIM AND INVERT ELEVATION
XXX XXX	4' DIA. MH R:622.05 617.35 8"N	STORM SEWER MANHOLE/CATCHBASIN RIM AND INVERT ELEVATION
613.37 ×	614.00 ×	GROUND ELEVATIONS
		FLOOD PLAIN LIMITS
		CONCRETE PAVEMENT OR DRIVEWAY TO BE REMOVED
		CONCRETE SIDEWALK TO BE REMOVED
		EARTH EXCAVATION
		CONCRETE PAVEMENT/SIDEWALK
		HOT MIX ASPHALT PAVING
		HOT MIX ASPHALT SURFACE REMOVAL BUTT JOINT
		BRICK PAVERS

EXISTING	PROPOSED	DESCRIPTION
		CURB & GUTTER TO BE REMOVED
		CONCRETE CURB & GUTTER
	A	FRAMES AND LIDS TO BE ADJUSTED
	A*	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	RC	STRUCTURE TO BE RECONSTRUCTED
	1C	FRAME AND LID, TYPE 1, CLOSED LID
	1P	FRAME AND LID, TYPE 1, OPEN LID
RM		REMOVE EXISTING STRUCTURE
AB		ABANDON EXISTING STRUCTURE
	TP	TREE TRUNK PROTECTION
	RP	TREE ROOT PRUNING

HIGHWAY STANDARDS DRAWINGS

STANDARD NO.	TITLE OR 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
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE ALLEY PEDESTRIAN CROSSINGS
442201-04	CLASS C & D PATCHES
601001-05	PIPE UNDERDRAINS
604001-05	FRAME AND LIDS, TYPE 1
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24"(600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24"(600MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
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
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A&B METAL POSTS
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
838001-01	BREAK AWAY DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTOR LOOPS

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7733 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LEGEND OF SYMBOLS, IDOT STANDARDS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	2

FIELD BOOK NO. : - | CONTRACT NO. 61M82

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252253 – Prairie Ave Improvements (LAFO) Phase 1\LEGEND OF SYMBOLS.dwg Sep 04, 2026 – 9:12am

GENERAL NOTES

1. SSRBC - ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2026; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (ILMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EIGHTH EDITION, DATED 2020.

2. UTILITIES - BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

   THE LOCATIONS OF THE UNDERGROUND UTILITIES IF SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF BROOKFIELD, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED.

   THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BROOKFIELD. ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR ITS CONTRACTOR, BUT WILL BE COORDINATED BY GENERAL CONTRACTOR.
   THE CONTRACTOR SHALL USE EXTREME CAUTION IN THE REMOVAL OF ABANDONED EXISTING GAS LINES SINCE RESIDUAL MATERIALS CONTAINED THEREIN ARE HIGHLY EXPLOSIVE, FLAMMABLE, AND TOXIC. ONCE THE MAINS ARE ABANDONED BY THE OWNER, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE AND/OR INJURY OCCURRING ON THE PROJECT DUE TO HIS/HER OPERATIONS NEXT TO THE MAINS AND/OR THE METHOD OF REMOVAL OF THE ABANDONED MAINS.

3. INCIDENTAL EXCAVATION - DURING THE REMOVAL OF CONCRETE SIDEWALK, DRIVEWAY, CURB AND GUTTER, OR PAVEMENT, THE CONTRACTOR SHALL EXCAVATE AS NECESSARY SO THAT THE REQUIRED THICKNESS OF PROPOSED CONCRETE, INCLUDING BEDDING CAN BE CONSTRUCTED. THE EXCAVATED MATERIAL, AS WELL AS THE BROKEN CONCRETE, SHALL BE DISPOSED OF OFF THE JOB SITE AT A DUMP TO BE FOUND BY THE CONTRACTOR. A LOW SUB-GRADE MAY BE BROUGHT TO THE PROPER ELEVATION WITH CRUSHED STONE MEETING A CA-6 GRADATION AS APPROVED BY THE ENGINEER.

4. GARBAGE AND EMERGENCY VEHICLES - THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS FOR EMERGENCY VEHICLES AND GARBAGE TRUCKS AT ALL TIMES. IF THE GARBAGE TRUCKS ARE NOT ABLE TO HAVE ACCESS TO ALL OF THE PROPERTIES WITHIN THE PROJECT LIMITS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ANY GARBAGE THAT IS AFFECTED IN A LOCATION WHERE THE GARBAGE TRUCKS CAN PICK IT UP. THE CONTRACTOR SHALL ALSO BE REQUIRED TO RETURN THE GARBAGE CANS TO THE PARKWAY OF THE RESPECTIVE PROPERTY BY THE END OF THE DAY.

   THE CONTRACTOR SHALL ADVISE THE ENGINEER AT LEAST 24 HOURS IN AS TO WHAT ALLEYS AND/OR STREETS, IF ANY, ARE TO BE CLOSED SO THAT EMERGENCY VEHICLES CAN BE RE-ROUTED. THE ENGINEER WILL, IN TURN, CONTACT THE POLICE (708) 485-8131 AND FIRE (708) 485-0076 DEPARTMENTS WITH THIS INFORMATION.

5. ITEMS TO BE SALVAGED - ALL FRAMES AND LIDS, WATER VALVES, VALVE BOXES, AND FIRE HYDRANTS WHICH ARE TO BE ABANDONED DUE TO THE CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF BROOKFIELD. THE CONTRACTOR IS TO DELIVER THE ITEMS TO BE SALVAGED TO THE VILLAGE OF BROOKFIELD PUBLIC WORKS YARD.

6. SAW-CUTTING - THIS WORK SHALL BE DONE WHERE ANY NEW PAVEMENT, CURB AND GUTTER, FRAMES AND GRATES, STRUCTURES, SIDEWALKS, OR DRIVEWAYS ABUT EXISTING PAVEMENT, CURB AND GUTTER, SIDEWALKS, OR DRIVEWAYS OR AS DIRECTED BY THE ENGINEER.

   FRAMES AND LIDS TO BE ADJUSTED AS PART OF THE CONTRACT SHALL BE SAW CUT PRIOR TO BREAKING PAVEMENT AROUND THEM TO COMPLETE THE ADJUSTMENT.

7. LINES AND GRADES - ALL WORK UNDER THIS CONTRACT SHALL BE BUILT IN ACCORDANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS AND AS GIVEN BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE MATERIALS, SUCH AS STAKES, PAINT, AND GIVE SUCH ASSISTANCE AS MAY BE REQUIRED FOR SETTING LINE AND GRADE BOARDS, AND STAKES OR MARKS SO GIVEN SHALL BE CAREFULLY PRESERVED. THE CONTRACTOR SHALL KEEP THE ENGINEER INFORMED A REASONABLE TIME IN ADVANCE, AT LEAST FORTY-EIGHT (48) HOURS, AS TO HIS NEED FOR ADDITIONAL GRADES AND LINES IN ORDER THAT THE SAME MAY BE FURNISHED AND ALL NECESSARY MEASUREMENTS MADE FOR RECORD AND PAYMENT WITH THE MINIMUM OF INCONVENIENCE TO THE ENGINEER OR OF DELAY TO THE CONTRACTOR.

8. STRUCTURES ENCOUNTERED - THE CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR DAMAGE TO WATER LINES, ELECTRIC CONDUITS AND LINES, EXISTING STRUCTURES, DRAINS, SIDEWALKS, CURBS, FENCES, TREES, CULVERTS, AND OTHER STRUCTURES OF ANY KIND AND SHALL BE LIABLE FOR DAMAGES TO PUBLIC AND PRIVATE PROPERTY, EXCEPT WHERE THESE ITEMS ARE TO BE REMOVED AND REPLACED AS CALLED FOR ON THE SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

9. MAINTENANCE OF WORK SITE - THE CONTRACTOR SHALL KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE, AND SHALL REMOVE SAME FROM ANY PORTION OF THE SITE, IF, IN THE OPINION OF THE ENGINEER, SUCH MATERIAL, DEBRIS, OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE IN ANY WAY TO THE PUBLIC. THE CONTRACTOR SHALL REMOVE ALL MACHINERY, MATERIALS, BARRICADES, STAGING, FALSE-WORK, DEBRIS AND RUBBISH CONNECTED WITH, OR CAUSED BY SAID WORK, IMMEDIATELY UPON THE COMPLETION OF THE SAME AND SHALL CLEAN ALL STRUCTURES AND WORK CONSTRUCTED UNDER THE CONTRACT TO THE SATISFACTION OF THE ENGINEER AND LEAVE THE PREMISES IN AN APPROVED CONDITION INSOFAR AS AFFECTED BY THE WORK UNDER THIS CONTRACT.

   WHEN DURING THE CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF ANY GUTTERS AND DRAINAGE STRUCTURE SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS DUE TO CONSTRUCTION OPERATIONS.

10. RESTORATION OF PROPERTY - THE CONTRACTOR SHALL RESTORE OR REPLACE ALL PAVEMENTS, STRUCTURES, OR OTHER PROPERTY DAMAGED BY CONSTRUCTION ACTIVITIES TO THE CONDITION THAT EXISTED IMMEDIATELY PRIOR TO THE START OF THE WORK. ALL FENCES AND OTHER STRUCTURES IN THE VICINITY OF THE WORK SHALL BE PROTECTED AND IF DAMAGED SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. ALL TREES SHALL BE SATISFACTORILY PROTECTED BY TREE TRUNK PROTECTION OR TEMPORARY FENCE.

    TREE BRANCHES AND ROOTS SHALL NOT BE CUT EXCEPT BY PERMISSION OF THE ENGINEER. ALL CUTTING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. SHRUBS AND BUSHES, WHICH LIE WITHIN THE CONSTRUCTION ACTIVITY, MAY BE DUG UP, TEMPORARILY MOVED, AND REPLANTED IN THEIR ORIGINAL LOCATIONS IF PERMITTED BY THE ENGINEER. IF THE PLANTS ARE DAMAGED OR DO NOT SATISFACTORILY GROW AFTER REPLANTING, THEY SHALL BE REPLACED BY THE CONTRACTOR, WITH PLANTS OF SAME KIND AND SIZE.

11. MISCELLANEOUS ADJUSTMENTS - THE ADJUSTMENT OF ANY PUBLIC UTILITY VALVE BOXES OR STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE DONE BY PERSONNEL OF THE RESPECTIVE PUBLIC UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OF THE REQUIRED WORK AND COORDINATING THESE ACTIVITIES WITH HIS OWN SCHEDULE OF CONSTRUCTION. THIS SHALL NOT APPLY TO VILLAGE BUFFALO BOXES, VALVE BOXES OF VILLAGE OWNED FRAMES

12. VILLAGE WATER USAGE - THE CONTRACTOR SHALL OBTAIN ANY VILLAGE WATER THROUGH A METERED FIRE HYDRANT LOCATED AT THE VILLAGE OF BROOKFIELD PUBLIC WORKS BUILDING AT 4545 EBERLY AVENUE. THE CONTRACTOR WILL NOT BE ALLOWED TO OBTAIN WATER FROM ANY OTHER FIRE HYDRANTS IN THE VILLAGE. THE USE OF WATER FROM ANY OTHER FIRE HYDRANT OTHER THAN THE DESIGNATED FIRE HYDRANT AT THE PUBLIC WORKS BUILDING WILL BE VIEWED AS A THEFT OF VILLAGE PROPERTY.

13. VILLAGE STREET SIGNS ON POSTS - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE, STORE IN A PROTECTED LOCATION, AND THEN RESET ALL STREET SIGNS ON POSTS ENCOUNTERED WITHIN THE BOUNDARIES OF THIS PROJECT. THE CONTRACTOR SHALL ALSO BAG ANY REGULATORY SIGNS THAT WILL NOT BE IN EFFECT DURING CONSTRUCTION AND PROVIDE TEMPORARY SIGNAGE FOR ANY ADJUSTMENT TO EXISTING TRAFFIC PATTERNS.

14. PUBLIC ACCESSIBILITY - THE DEPARTMENT RESERVES THE RIGHT TO REMEDY ANY NEGLECT ON THE PART OF THE CONTRACTOR AS REGARDS THE PROTECTION OF THE WORK AFTER TWENTY-FOUR (24) HOURS' NOTICE IN WRITING; EXCEPT IN CASES OF EMERGENCY WHEN IT SHALL HAVE THE RIGHT TO REMEDY ANY NEGLECT WITHOUT NOTICE, AND IN EITHER CASE TO DEDUCT THE COST OF SUCH REMEDY FROM ANY MONEY DUE OR TO BECOME DUE THE CONTRACTOR.

15. MATERIALS TESTING - ALL MATERIAL INSPECTION MUST BE SUBMITTED AND ACKNOWLEDGED BEFORE A FINAL PAY ESTIMATE WILL BE SUBMITTED FOR CONSIDERATION. FAILURE TO GIVE ADEQUATE NOTICE WILL POSTPONE ANY INTENDED CONCRETE OR PAVING OPERATION.

16. SANITATION - THE CONTRACTOR SHALL AT THE BEGINNING OF THE WORK PROVIDE A SUITABLE TEMPORARY CONVENIENCE AND ENCLOSURE FOR THE USE OF THE WORKERS ON THE JOB, SHALL MAINTAIN SAME IN A SANITARY CONDITION, AND REMOVE SAME AND ALL ITS CONTENTS AT THE COMPLETION OF THE WORK.

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

18. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

19. NOTIFICATION OF RESIDENTS - THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING WRITTEN NOTICE TO ALL RESIDENCES AND/OR PLACES OF BUSINESS TWENTY-FOUR (24) HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION ACTIVITY THAT WILL AFFECT ACCESS TO THEIR PROPERTY AND AN ADDITIONAL NOTICE TWENTY-FOUR (24) HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION ACTIVITY ON THEIR RESPECTIVE SECTION OF ROADWAY. ALL NOTICES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE.

20. ALL EXISTING LANE LINE PAVEMENT MARKINGS LOCATED WITHIN TEMPORARY LANE CLOSURE TAPERS, LANE SHIFT TAPERS OR IN LOCATIONS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKING TAPE USED FOR STAGING SHALL BE REMOVED IF THE STAGING WILL REMAIN IN PLACE FOR MORE THAN 14 DAYS. THE EXISTING PAVEMENT MARKINGS THAT WERE REMOVED SHALL BE RESTORED IN KIND AFTER THE COMPLETION OF STAGING

21. WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES 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. DROP-OFFS GREATER THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FEET OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. PRIOR TO REOPENING THE LANE TO TRAFFIC, THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DRIP-OFF TO LESS THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY AND ENSURE THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES/DRUMS AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE.

22. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.

23. PAVEMENT MARKING TAPE TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

COMMITMENTS

1. TREES THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH.
2. ALL LIGHTING SHALL BE INSTALLED UTILIZING THE ILLUMINATING ENGINEERING SOCIETY'S BUG (BACKLIGHT, UPLIGHT, AND GLARE) SYSTEM.

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Pointe Ave Improvements (JAFO) Phase 1\General Notes.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.hancockeng.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	3
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

SEWER AND WATER GENERAL NOTES

1. ALL PROPOSED WATER AND SEWER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EIGHTH EDITION, DATED 2020, AND ALL REVISIONS THERETO.

2. INSPECTION OF PIPE AND ACCESSORIES - ANY DEFECTIVE, DAMAGED OR UNSOUND MATERIAL SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. ALL FOREIGN MATTER OR DIRT SHALL BE INSPECTED FOR DEFECTS PRIOR TO LOWERING INTO POSITION IN THE TRENCH. PIPE SHALL BE KEPT CLEAN BY MEANS APPROVED BY THE ENGINEER DURING AND AFTER LAYING.

3. TRENCH EXCAVATION - THE TRENCH SHALL BE DUG TO THE REQUIRED ALIGNMENT AND DEPTH SHOWN ON THE DRAWINGS OR AS SUBSEQUENTLY APPROVED IN WRITING BY THE ENGINEER, AND ONLY SO FAR IN ADVANCE OF PIPE LAYING AS PERMITTED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO HANDLE EXCAVATED MATERIAL CAREFULLY TO MINIMIZE THE ACCUMULATION ON EXISTING PAVED SURFACES. WHEREVER POSSIBLE THE EXCAVATED MATERIAL SHOULD BE DIRECTLY LOADED INTO A WAITING TRUCK FOR DIRECT DISPOSAL. THE CONTRACTOR WILL CLEAN ALL PAVEMENT AREAS TO THE SATISFACTION OF THE ENGINEER.

4. EXCAVATION NEAR EXISTING STRUCTURES - ALL EXISTING PIPES, CONDUITS, CABLES, POLES, PAVEMENTS, AND OTHER STRUCTURES NOT DESIGNATED TO BE REMOVED BY THE CONTRACT DOCUMENTS ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. THE TEMPORARY SUPPORT, PROTECTION, AND MAINTENANCE OF THE STRUCTURES, SHALL BE FURNISHED BY THE CONTRACTOR AT HIS OWN EXPENSE. WHERE THE GRADE OR ALIGNMENT OF THE PIPE IS OBSTRUCTED BY EXISTING UTILITY STRUCTURES SUCH AS CONDUITS, DUCTS, PIPES, BRANCH CONNECTIONS TO MAIN SEWERS, OR MAIN DRAINS, THE OBSTRUCTION SHALL BE PERMANENTLY SUPPORTED, RELOCATED, REMOVED, OR RECONSTRUCTED BY THE CONTRACTOR IN COOPERATION WITH THE OWNERS OF SUCH UTILITY STRUCTURES. WHENEVER NECESSARY TO DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITY STRUCTURES, THE CONTRACTOR, AFTER AN EXAMINATION OF AVAILABLE RECORDS, SHALL MAKE ALL EXPLORATIONS AND EXCAVATIONS FOR SUCH PURPOSE AS MAY BE DIRECTED BY THE ENGINEER.

5. CUTTING PIPE - ALL PIPES SHALL BE CUT TO ITS REQUIRED LENGTH IN THE FIELD BY A POWERED MECHANICAL ROTARY SAW AND THE EXPOSED END GROUND BY A MECHANICAL GRINDING TOOL TO A SMOOTH BEVELED FINISH.

6. CONTROL OF SEWER FLOWS - IN AREAS WHERE SECTIONS OF SEWER ARE TO BE REPLACED, THE CONTRACTOR SHALL TAKE CARE TO MANAGE FLOWS CARRIED BY THE PIPELINE, WITHOUT RISK TO THE PROJECT AS TO PUBLIC HEALTH AND SAFETY.

   THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAINTAIN AT ALL TIMES FLOW THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. THEY SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS.

7. BACKFILLING OPERATIONS - TRENCH BACKFILL UNDER PAVEMENT - TRENCH BACKFILL SHALL BE INSTALLED AND MEASURED FOR PAYMENT FROM ONE FOOT ABOVE THE WATER MAIN OR SEWER TO THE ELEVATION OF THE EXISTING PAVEMENT SURFACE.

   TRENCH BACKFILL SHALL BE COMPLETED ACCORDING TO 550.07 (A) METHOD 1. METHODS B AND C (JETTING) WILL NOT BE ALLOWED.

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING THE TRENCHES WITH CRUSHED STONE TO A LEVEL EQUAL TO THAT OF ADJACENT EXISTING PAVEMENTS BY THE END OF EACH WORK DAY. THE STONE SHALL BE LEVELED OFF AND COMPACTED TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE TO PERMIT TEMPORARY PEDESTRIAN AND VEHICULAR TRAFFIC.

8. EXPLORATORY EXCAVATION - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ELEVATION OF EXISTING WATER MAINS, GAS MAINS, TELEPHONE DUCTS, AND OTHER PUBLIC UTILITIES WHICH ARE TO BE CROSSED WITH THE PROPOSED SEWER A SUFFICIENT LENGTH AHEAD OF PIPE LAYING OPERATIONS SO THAT THE PROPOSED SEWER MAIN CAN BE INSTALLED AT AN ELEVATION WHICH WILL AVOID CONFLICTS WITH THE EXISTING UTILITIES WITHOUT REQUIRING THE USE OF BENDS AND/OR FITTINGS ON THE PROPOSED SEWER. THE ENGINEER SHALL ASSIST THE CONTRACTOR BY DETERMINING THE ELEVATION OF THE EXISTING UTILITY ONCE IT HAS BEEN EXPOSED BY THE CONTRACTOR.

9. MATERIALS - THE CONTRACTOR SHALL VERIFY THE TYPE OF ALL SEWER PIPE MATERIALS AND WATER MAIN HARDWARE INCLUDING VALVES, FIRE HYDRANTS, VALVE BOXES, CORPORATION STOPS, CURB STOPS, AND WATER SERVICES BOXES WITH THE ENGINEER PRIOR TO ORDERING SUCH MATERIAL.

10. FRAMES AND LIDS - THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

    THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT.

11. POINT REPAIRS - FIGURES SHOWN SEWER REPAIRS INDICATED DISTANCES FROM MANHOLES.

12. ALL ABANDONED SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FEET LONG, NON-SHRINK CONCRETE/MORTAR PLUG.

13. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, COMBINED SEWERS, TELEPHONE LINES, COMMUNICATION LINES, ELECTRIC LINES, GAS MAINS, AND WATER SERVICES ARE APPROXIMATE AND THEIR SPECIFIC LOCATIONS ARE TO BE DETERMINED IN THE FIELD.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD CHECKING ALL DIMENSIONS AND LOCATIONS OF PROPOSED STRUCTURES TO VERIFY ALL EXISTING AND PROPOSED PIPES ARE CORED AT THE CORRECT SIZE, LOCATION AND ELEVATION OF THE STRUCTURE. THE CONTRACTOR WILL ALSO BE REQUIRED TO VERIFY THAT ALL PIPES IN EXISTING STRUCTURES TO BE REPLACED ARE ACCOUNTED FOR.

15. OPEN EXCAVATIONS - LEAVING OF ANY EXCAVATION OPEN OVERNIGHT WILL NOT BE ALLOWED ON THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR PLATING OVER OF ALL EXCAVATIONS AT THE END OF EACH DAY. IF THE EXCAVATIONS ARE BACKFILLED THEY SHALL BE FILLED WITH AN AGGREGATE MEETING THE GRADATION OF CA-6. THE MATERIAL WILL BE COMPACTED SUFFICIENTLY TO PREVENT RUTTING OR SETTLEMENT OF MATERIAL UNDER TRAFFIC LOADS. IF PLATES ARE USED THEY SHALL BE OF SUFFICIENT THICKNESS TO SUPPORT VEHICULAR LOADS AND THEY SHALL EXTEND A MINIMUM OF NINE INCHES (9") BEYOND THE LIMITS OF THE EXCAVATION ON ALL SIDES. IF THE PLATES ARE TO BE LEFT OVER THE WEEKEND, THE EDGES OF THE PLATES SHALL BE CUSHIONED WITH A BITUMINOUS MIXTURE IN AREAS WHERE VEHICULAR TRAFFIC WILL CROSS THE PLATES.

16. PILING MATERIAL AND CARE OF STRUCTURES - ALL EXCAVATED AND OTHER MATERIALS THAT ARE TO BE REUSED SHALL BE SO PILED AS NOT TO ENDANGER THE WORK AND SO THAT FREE ACCESS MAY BE HAD AT ANY TIME TO ALL PARTS OF THE WORK, AND SHALL BE KEPT NEATLY PILED SO AS NOT TO INCONVENIENCE PUBLIC TRAVEL OR ADJOINING TENANTS. WALKWAYS SHALL BE KEPT CLEAR AND UNOBSTRUCTED. ALL EXCESS EXCAVATED MATERIAL SHALL BE IMMEDIATELY REMOVED AND DISPOSED OF OFF THE JOB SITE BY THE CONTRACTOR.

17. JOINING PIPE SECTIONS - THE SEALING SURFACE OF THE PIPE, THE BELL TO BE JOINED, AND THE ELASTOMERIC GASKETS SHALL BE CLEANED IMMEDIATELY BEFORE ASSEMBLY, AND ASSEMBLY SHALL BE MADE AS RECOMMENDED BY THE MANUFACTURER. WHEN PIPE LAYING IS NOT IN PROGRESS, THE OPEN ENDS OF INSTALLED PIPE SHALL BE CLOSED TO PREVENT ENTRANCE OF TRENCH WATER INTO THE LINE. WHENEVER WATER IS EXCLUDED FROM THE INTERIOR OF THE PIPE, ENOUGH BACKFILL SHALL BE PLACED ON THE PIPE TO PREVENT FLOATING. NO PIPE SHALL BE LAID WHEN THE TRENCH CONDITIONS OR THE WEATHER ARE UNSUITABLE FOR PROPER INSTALLATION AS DETERMINED BY THE ENGINEER.

18. FITTINGS AND ACCESSORIES - STAINLESS STEEL BOLTS SHALL BE REQUIRED ON ALL VALVES, HYDRANTS, AND FITTINGS (INCLUDING T-BOLTS.) FIELD LOCK GASKETS SHALL NOT BE PERMITTED, UNLESS OTHERWISE APPROVED.

19. PIPE INSTALLED ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING STANDARD:

TYPE OF PIPE	MATERIAL STANDARD	JOINT STANDARD
POLYVINYLCHLORIDE PIPE (6")	ASTM D-3034	ASTM D-3139
POLYVINYLCHLORIDE PIPE (6"-12")	ASTM D-2241	ASTM D-3139
POLYVINYLCHLORIDE PIPE (15")	ASTM D-3034	ASTM D-3212
DUCTILE IRON PIPE	CLASS 52 ANSI-A21.51	ANSI/AWWA C111/A21.11

ASPHALT GENERAL NOTES

1. THE INTERSECTION RETURNS SHALL BE PAVED AT THE SAME TIME AS THE MAINLINE PAVEMENT.

2. THE CONTRACTOR WILL BE REQUIRED TO CLOSE UP ALL LONGITUDINAL JOINTS ON ALL STREETS IN THE SAME DAY. NO OPEN LONGITUDINAL JOINTS WILL BE LEFT OPEN OVERNIGHT.

3. THE LOCATION OF ALL TRANSVERSE COLD JOINTS LEFT BETWEEN DAYS OF PAVING SHALL BE APPROVED BY THE ENGINEER.

4. A BUTT JOINT WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

5. TACK COAT - PRIME COAT MUST BE INSTALLED NO EARLIER THAN TWENTY-FOUR (24) HOURS PRIOR TO PLACEMENT OF HOT-MIX ASPHALT. NOTICES SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES IMPACTING VEHICLE ACCESS A MINIMUM OF 24 HOURS PRIOR TO PLACEMENT OF TACK COAT.

6. MILLED BUTT JOINTS - WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)

7. BUTT JOINT REMOVAL - BUTT JOINTS SHALL BE CUT NO MORE THAN 24 HOURS PRIOR TO FINAL SURFACE PAVING. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS.

8. THE CONTRACTOR WILL BE REQUIRED TO PAVE ALL SECTIONS OF MAINLINE PAVEMENT IN 2 PASSES. THE USE OF AUGER EXTENSIONS MAY BE NECESSARY AT CERTAIN AREAS TO COMPLY WITH THIS REQUIREMENT.

CONCRETE GENERAL NOTES

1. FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS, AND GUTTER FLAGS - ONE-INCH THICK WOODEN FORMS WILL BE USED IN THE FORMING OF ALL RADIUS SECTIONS OF CURB AND GUTTER. MASONITE STEEL FORMS WILL NOT BE ALLOWED. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED.

2. BITUMINOUS EXPANSION JOINTS - THREE-QUARTER INCH (3/4") NOMAFLEX EXPANSION JOINTS SHALL BE INSTALLED WHERE NEW SIDEWALK OR CURB AND GUTTER OR DRIVEWAY PAVEMENT ABUTS AN EXISTING CONCRETE WALK, DRIVE, OR CURB WHICH IS TO REMAIN IN PLACE, AND AT NOT LESS THAN SEVENTY-FIVE FEET (75') INTERVALS AT LOCATIONS WHERE SIDEWALK REPLACEMENT IS IN EXCESS OF SEVENTY-FIVE FEET (75'), AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

   EXPANSION JOINTS WILL BE PLACED IN CURB AND GUTTER AT ALL RADIUS POINTS, ALL BEND POINTS, ON BOTH SIDES OF FRAMES AND GRATES THAT ARE IN THE CURB AND GUTTER, AND AT NOT LESS THAN NINETY FOOT (90') INTERVALS AT LOCATIONS WHERE CURB REPLACEMENT IS IN EXCESS OF NINETY FEET (90'), AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

   ALL EXPANSION JOINTS LOCATED IN THE CURB AND GUTTER SHALL HAVE TWO (2) THREE QUARTER INCH (3/4") DIAMETER, SMOOTH, ROUND, EPOXY COATED DOWEL BARS, EIGHTEEN INCHES (18") IN LENGTH, WITH PLASTIC END CAPS INSERTED TO ALLOW THE CURB AND GUTTER TO EXPAND AND CONTRACT LATERALLY.

3. SIDEWALK AND CURB AND GUTTER REPLACEMENT - LOCATIONS OF SIDEWALK AND CURB AND GUTTER REPLACEMENT ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.

4. DRAINAGE OPENINGS - AT ALL LOCATIONS WHERE CASTINGS ARE TO BE INCORPORATED IN THE CURB AND GUTTER, A 3/4" EXPANSION JOINT SHALL BE INSTALLED IN THE CURB AND GUTTER A DISTANCE OF 5 FT. FROM EACH SIDE OF THE CASTING. 2-NO. 4 RE-BARS, 9' IN LENGTH, SHALL BE INCORPORATED IN THE CONTINUOUS PORTION OF CONCRETE CURB BEHIND THE CASTING.

5. ALL CLASS C PATCHES WILL HAVE TIE BARS INSTALLED ON ALL SIDES AT 24" SPACING ON CENTER.

LANDSCAPING GENERAL NOTES

1. ONCE CONCRETE IMPROVEMENTS ARE COMPLETED AND PRIOR TO FINAL SURFACE COURSE BEING PLACED, ALL LANDSCAPE AREAS ARE TO BE BACKFILLED AND HAVE TOPSOIL PLACED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEED PREVENTION AND REMOVING ANY WEEDS PRIOR TO THE PLACEMENT OF THE SOD. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTENANCE OF WEEDS WITHIN NEWLY TOPSOILED AREAS. ONCE ANY WEEDS, AS DETERMINED BY THE ENGINEER, HAVE EXCEEDED SIX INCHES (6") IN HEIGHT, THEY SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE METHOD OF WEED CONTROL AND WEED REMOVAL MUST BE APPROVED BY THE ENGINEER.

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

4. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

DUCTILE IRON PIPE SPECIFICATIONS

1. ALL DUCTILE IRON PIPE WATER MAINS AND SEWER MAINS SHALL BE CLASS 52, CEMENT-LINED AND ZINC-COATED, MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C151/A21.51 WITH "PUSH-ON" JOINTS MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C111/A21.11. WHERE SPECIFIED ON THE PLANS, OR IN THE SPECIFICATIONS, MECHANICAL JOINTS AND "LOCK-TYPE" JOINTS SHALL BE USED IN LIEU OF "PUSH-ON" JOINTS.

2. ALL PIPE FITTINGS AND SPECIAL CASTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11 SPECIFICATIONS AND SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS 150 DUCTILE IRON PIPE. IF CERTAIN FITTINGS ARE NOT MANUFACTURED IN DUCTILE IRON, CAST IRON FITTINGS SHALL BE ACCEPTABLE. MECHANICAL JOINT TYPE FITTINGS SHALL BE USED.

3. ALL PROPOSED DUCTILE IRON PIPE WATER MAIN WILL BE ENCASED WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT (POLYWRAP) FOR CORROSION PROTECTION. ALL FITTINGS AND WATER MAIN INSTALLED USING THE HORIZONTAL DIRECTIONAL DRILLING METHOD SHALL BE ENCASED IN A DOUBLE-LAYER OF POLYETHYLENE TUBING. THE POLYETHYLENE MATERIAL SHALL BE MANUFACTURED AND INSTALLED IN COMPLIANCE WITH ANSI/AWWA C105/A21.5. THE ENCASEMENT FILM SHALL CONSIST OF THREE (3) LAYERS OF CO-EXTRUDED LINEAR LOW-DENSITY POLYETHYLENE FUSED INTO A MINIMUM 8 MIL SINGLE THICKNESS. THE WRAP SHALL OVERLAP A MINIMUM OF ONE FOOT (1') AT JOINTS AND SECURED TIGHTLY IN PLACE AROUND THE PIPE. ALL PROPOSED WATER SERVICES SHALL BE ENCASED IN POLYETHYLENE TUBING FOR A MINIMUM DISTANCE OF THREE FEET (3') FROM THE PROPOSED WATER MAIN.

M.W.R.D.G.C. 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 (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * VILLAGE OF BROOKFIELD 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 SYSTEMS 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 BROOKFIELD ENGINEERING DEPARTMENT AND PUBLIC 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). CONVERSION FACTOR IS 0 FT.

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 LIABILITY 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 APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

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

D. SANITARY SEWER

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 SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.

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-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

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

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

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ 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 REPLACE 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 APPROVED 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 OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

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 CONTRACTOR 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 ACCORDANCE 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. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES 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 SHALL, 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 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 CONTRCTOR 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 DISCHARGE 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.

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\MWRD GENERAL NOTES.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7908 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MWRD GENERAL NOTES

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	5
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	20101100	TREE TRUNK PROTECTION	EACH	100	100			
	20101200	TREE ROOT PRUNING	EACH	20	20			
	20200100	EARTH EXCAVATION	CU YD	125	125			
	20800150	TRENCH BACKFILL	CU YD	1450	1450			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4400	4400			
	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	250	250			
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	60	60			
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	60	60			
	25200110	SODDING, SALT TOLERANT	SQ YD	4600	4600			
	25200200	SUPPLEMENTAL WATERING	UNIT	65	65			
	28000510	INLET FILTERS	EACH	54	54			
	35300060	PORTLAND CEMENT CONCRETE BASE COURSE, 4"	SQ YD	125	125			
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	80	80			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14250	14250			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	5100	5100			

*** SPECIALTY ITEM**

Drawing file: W:\Projects_by_Village\Brookfield\2525253 – Prairie Ave Improvements (LAFO) Phase I\Summary of Quantities.dwg Sep 04, 2026 – 9:12am

HANCOCK ENGINEERING
100+ Years of Engineering Excellence
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 1 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	6
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	325	325			
	40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	1775	1775			
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2375	2375			
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5	5			
	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	100	100			
	42001300	PROTECTIVE COAT	SQ YD	4100	4100			
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	250	250			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	28500	28500			
	42400800	DETECTABLE WARNINGS	SQ FT	540	540			
	44000100	PAVEMENT REMOVAL	SQ YD	225	225			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	250	250			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2850	2850			
	44000600	SIDEWALK REMOVAL	SQ FT	29000	29000			
	44201325	CLASS C PATCHES, TYPE I, 8 INCH	SQ YD	25	25			
	44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	50	50			
	44201333	CLASS C PATCHES, TYPE III, 8 INCH	SQ YD	75	75			

*** SPECIALTY ITEM**

Drawing file: W:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 2 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	7
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	200	200			
	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	75	75			
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	150	150			
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	200	200			
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	350	350			
	44213200	SAW CUTS	FOOT	1750	1750			
	550B0330	STORM SEWERS, CLASS B, TYPE 2, 10"	FOOT	42	42			
	550B0340	STORM SEWERS, CLASS B, TYPE 2, 12"	FOOT	20	20			
	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	150				150
	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	2175				2175
	56103400	DUCTILE IRON WATER MAIN 16"	FOOT	15				15
	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	8				8
	56400820	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	8				8
	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	6	6			
	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	337	337			
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	4	4			

*** SPECIALTY ITEM**

Drawing File: W:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 3 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	8
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8				8
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	4	4			
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	34	34			
	60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	2850	2850			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	325	325			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1			
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4			
	67100100	MOBILIZATION	L SUM	1	1			
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	100	100			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1250	1250			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	550	550			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1,500	1,500			
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1100	1100			
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	120	120			

*** SPECIALTY ITEM**

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (LAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 – 9:12am

HANCOCK ENGINEERING
100+ Years of Excellence
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 4 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	9
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
*	72000100	SIGN PANEL - TYPE 1	SQ FT	60	60			
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	20	20			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10250	10250			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	160	160			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	250	250			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	225	225			
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	220		220		
*	81028250	UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	40		40		
*	81400100	HANDHOLE	EACH	2		2		
*	81603040	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3400		3400		
*	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1		
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	190		190		
*	83800506	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	26		26		
*	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2		2		
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	2		2		
*	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2		2		

*** SPECIALTY ITEM**

HANCOCK ENGINEERING
100+ Years of Excellence
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 5 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	10
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Palrie Ave Improvements (JAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 - 9:12am

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
*	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1		1		
*	89502380	REMOVE EXISTING HANDHOLE	EACH	3		3		
	K0036118	MULCH PLACEMENT 3"	SQ YD	50	50			
	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	5079	5079			
	X0326806	WASHOUT BASIN	L SUM	1	1			
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	175	175			
	X1200160	CONNECTION TO EXISTING DRAINAGE STRUCTURE	EACH	9	9			
*	X1200015	VALVE VAULTS TO BE ABANDONED	EACH	5				5
*	X1400210	LIGHT POLE, SPECIAL, 12'	EACH	10		10		
	X2530008	TREE GRATES	EACH	5	5			
	X2530009	TREE GRATE REMOVAL	EACH	3	3			
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	17	17			
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	20	20			
	X4400082	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	30	30			
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	20250	20250			
	X4420210	TEMPORARY PATCHING	SQ YD	425	425			

*** SPECIALTY ITEM**

Drawing file: W:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase I\Summary of Quantities.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
100+ Years of Excellence
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	11
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	X5510010	STORM SEWER CONNECTION	EACH	2	2			
	X5610001	CLEANOUTS	EACH	4	4			
*	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	4000				4000
*	X5610007	WATER MAIN INSULATION	FOOT	50				50
*	X5620096	WATER SERVICE LINE 1", (BORED)	EACH	47				47
*	X5620101	WATER SERVICE LINE 2", (BORED)	EACH	1				1
*	X5620102	WATER SERVICE REPLACEMENT, 1.5" - SHORT	EACH	4				4
*	X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	3				3
*	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	2				2
*	X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	1				1
*	X6026622	VALVE VAULTS TO BE REMOVED	EACH	2				2
*	X6026623	VALVE BOX	EACH	1				1
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	43	43			
	X6040610	FRAMES AND LIDS, CLOSED BOLTED	EACH	7	7			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	150	150			

*** SPECIALTY ITEM**

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	12
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	29	29			
*	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	110	110			
*	X7310110	BASE FOR TELESCOPING SIGN SUPPORT (SPECIAL)	EACH	7	7			
*	X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6		6		
*	X8040106	ELECTRIC SERVICE INSTALLATION AND CONNECTION	EACH	1	1			
*	X8300001	LIGHT POLE (SPECIAL)	EACH	2		2		
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	155	155			
	XX000541	EXPLORATORY EXCAVATION	CU YD	30	30			
*	XX001490	GATE VALVES, 8"	EACH	8				8
*	XX002982	GATE VALVES, 6"	EACH	1				1
*	XX003803	SANITARY SEWER SERVICE 6"	FOOT	28	28			
	XX004688	BRICK PAVER SIDEWALK	SQ FT	725	725			
	XX005634	12" X 6" PVC SEWER SERVICE CONNECTIONS	EACH	5	5			
*	XX006227	RESTRAINED JOINT 8"	EACH	104				104
*	XX006228	RESTRAINED JOINT 6"	EACH	37				37
*	XX006243	WATER SERVICE INSTALL, 1" COMPLETE	EACH	46				46

*** SPECIALTY ITEM**

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 - 9:12am

HANCOCK ENGINEERING
100+ Years of Engineering Excellence
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	13
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
*	XX006244	WATER SERVICE INSTALL, 2" COMPLETE	EACH	1				1
	XX006449	PVC COMBINED SEWER PIPE REPLACEMENT, 12"	FOOT	154	154			
	XX006450	PVC COMBINED SEWER PIPE REPLACEMENT, 15"	FOOT	30	30			
*	XX006452	15" X 6" PVC SEWER SERVICE CONNECTIONS	EACH	2	2			
*	XX006834	ELECTRICAL CONNECTION TO EXISTING LIGHTING SYSTEM	EACH	2		2		
	XX007079	CONCRETE RIBBON	FOOT	125	125			
*	XX008284	ORNAMENTAL LIGHT POLE, ALUMINUM, WITH CONTEMPORARY ARM	EACH	14		14		
	XX008356	STRUCTURAL SOIL	CU YD	115	115			
*	XX008530	WATER SERVICE LINE, DIRECTIONAL BORING, 1 - 1/2"	EACH	4				4
*	XX009157	WATER MAIN 8" (SPECIAL)	FOOT	650				650
	Z0019600	DUST CONTROL WATERING	UNIT	100	100			
	Z0076600	TRAINEES	HOUR	500			500	
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500	
*	XX009789	RESTRAINED JOINT 16"	EACH	6				6
*	XX009790	LAUNCHING PIT	EACH	2				2
*	XX009791	RECEIVING PIT	EACH	2				2

*** SPECIALTY ITEM**

HANCOCK ENGINEERING
100+ Years of Excellence
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	14
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (JAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 – 9:12am

					CONSTRUCTION CODE STP FUNDS 80% FEDERAL / 20% LOCAL			CONSTRUCTION CODE 0% FEDERAL / 100% LOCAL
					ROADWAY	LIGHTING	TRAINEES	ROADWAY
					0005	0021	0042	0043
	Code No.	Item	UNIT	Total Quantity	URBAN	URBAN	URBAN	URBAN
	XX009689	STORM SEWERS, CLASS B, TYPE 2, 6"	FOOT	19	19			
*	XX009690	CHECK VALVE 8"	EACH	1	1			
*	81603108	UNIT DUCT, 600V, 4-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1½" DIA. POLYETHYLENE	FOOT	1300	1300			

* SPECIALTY ITEM

HANCOCK ENGINEERING
110+ Years of Excellence
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

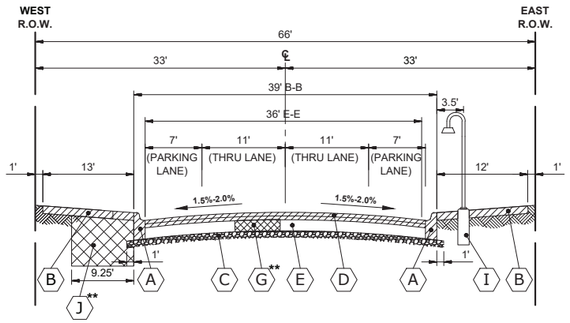
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 10 OF 10 SHEETS | STA. | TO STA.

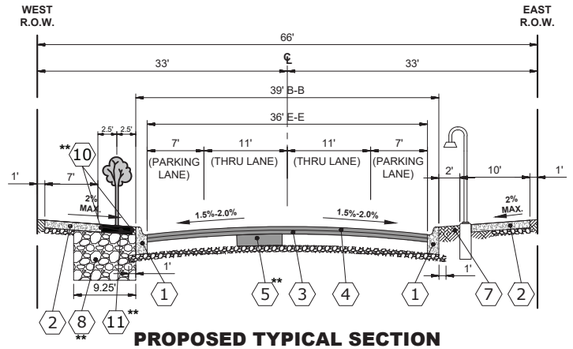
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	15
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\Summary of Quantities.dwg Sep 04, 2026 - 9:12am



EXISTING TYPICAL SECTION

PRAIRIE AVENUE
STATION 1+42 TO STATION 3+20



PROPOSED TYPICAL SECTION

PRAIRIE AVENUE
STATION 1+42 TO STATION 3+20

TYPICAL SECTION LEGEND

EXISTING

- A — COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- B — PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- C — AGGREGATE BASE COURSE, 4"
- D — HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- E — HOT-MIX ASPHALT BASE COURSE, 10"
- F — SODDED PARKWAY
- G — CLASS C OR CLASS D PATCHING
- H — PAVEMENT REMOVAL
- I — PENDANT LIGHT WITH 2' MAST ARM
- J — EARTH EXCAVATION

PROPOSED

- 1 — COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (MODIFIED)
- 2 — PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 3 — HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1.5"
- 4 — HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- 5 — CLASS C OR CLASS D PATCHING (LOCATION TO BE DETERMINED BY ENGINEER IN FIELD)
- 6 — DETECTABLE WARNING
- 7 — BRICK PAVER SIDEWALK
- 8 — STRUCTURAL SOIL
- 9 — TOPSOIL, FURNISH, AND PLACE, 4", AND SODDING, SALT TOLERANT (LOCATION TO BE DETERMINED BY ENGINEER IN FIELD)
- 10 — PORTLAND CEMENT CONCRETE RIBBON CURB
- 11 — 6' X 4' TREE GRATE
- 12 — PEDESTRIAN OR ROADWAY LIGHT POLE

LEGEND

- REMOVAL ITEMS
- REMOVAL FOR PAVEMENT PATCHING *
- ** INTERMITTENT REPLACEMENT

EXISTING TYPICAL SECTION

PRAIRIE AVENUE AND WASHINGTON AVENUE
STATION 19+75 TO STATION 20+80

PROPOSED TYPICAL SECTION

PRAIRIE AVENUE AND WASHINGTON AVENUE
STATION 19+75 TO STATION 20+80

EXISTING TYPICAL SECTION

PRAIRIE AVENUE
STATION 3+20 TO STATION 19+75
STATION 20+80 TO STATION 46+50

PROPOSED TYPICAL SECTION

PRAIRIE AVENUE
STATION 3+20 TO STATION 19+75
STATION 20+80 TO STATION 46+50

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOT-MIX ASPHALT SURFACING - BUTT JOINT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL 9.5mm)	4% @ 50 Gyr.	LR 1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING - HMA DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" (2 LIFTS) (IL 9.5mm)	4% @ 50 Gyr.	LR 1030-2
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL 9.5mm)	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50,1.5"	4% @ 50 Gyr.	LR 1030-2
TEMPORARY PATCHING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50,2" (IL 9.5 MM)	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA) PER LR1030-2.		
CLASS D PATCHING		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA) PER LR1030-2.		

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE: HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1.5".

* MILLING TO OCCUR BEFORE PATCHING

HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7708 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

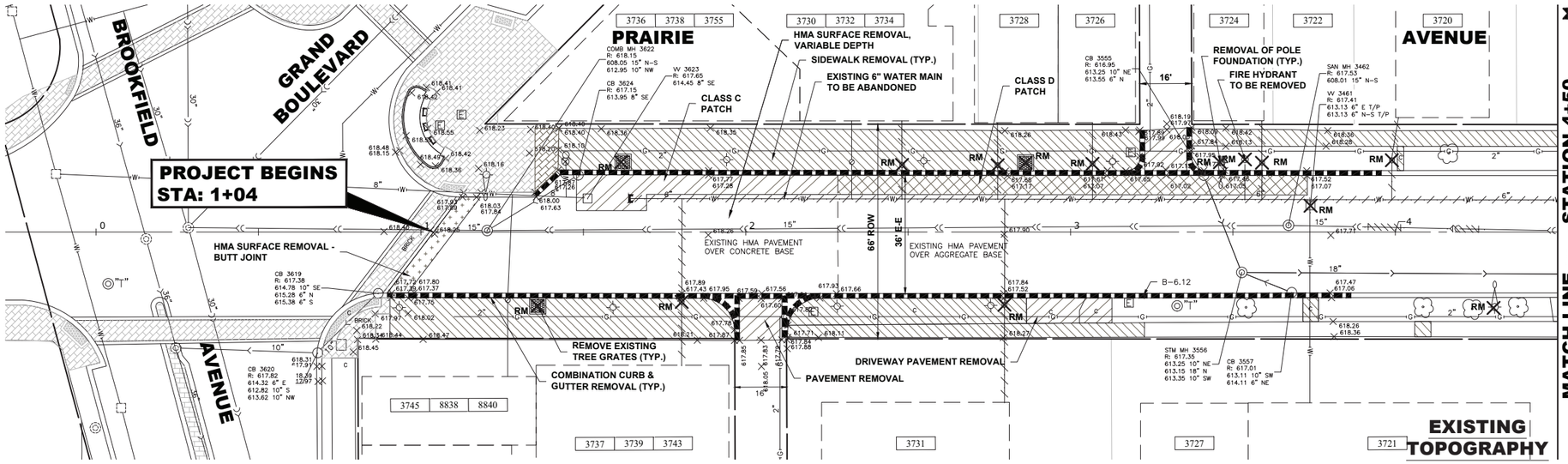
EXISTING AND PROPOSED TYPICAL SECTIONS

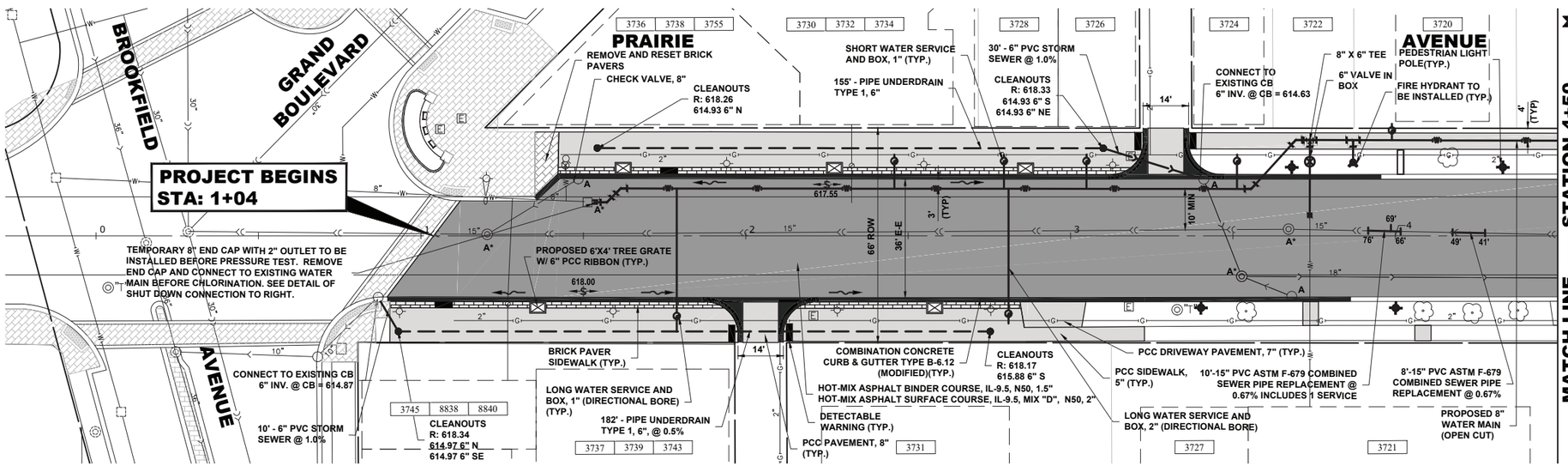
SCALE: - | SHEET NO. 1 OF 1 SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	16
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: w:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\TYPICAL SECTIONS.dwg Sep 04, 2026 - 9:12am

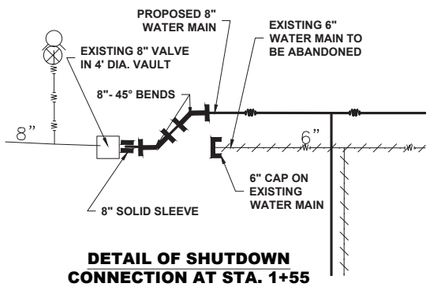




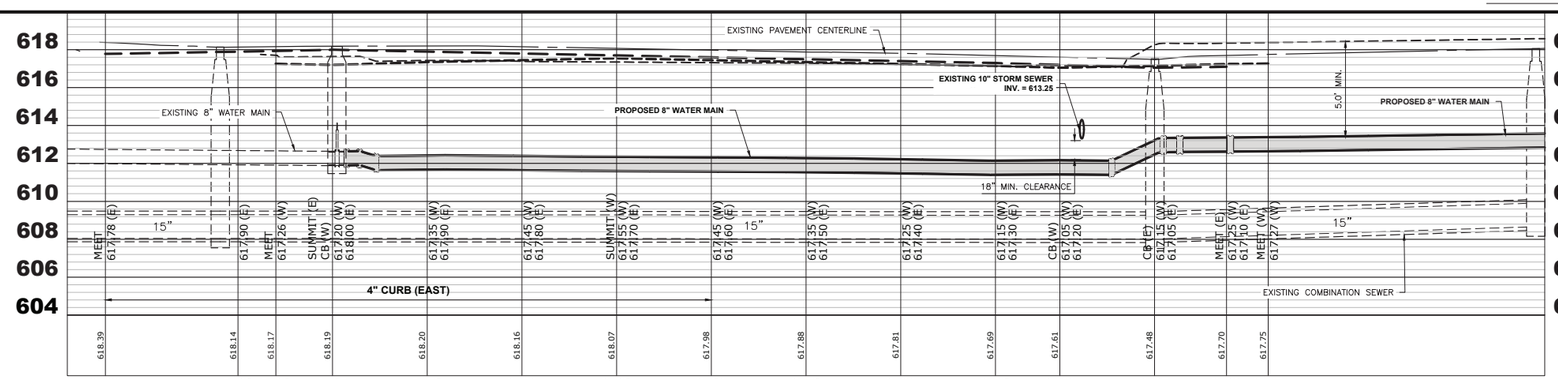
LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



DETAIL OF SHUTDOWN CONNECTION AT STA. 1+55



NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7969 Roosevelt Road
Westchester, IL 60154-2765
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -	
DRAWN -	AJ, DMM, SA, JCR	REVISED -	
CHECKED -	---	REVISED -	
DATE -	9-3-26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

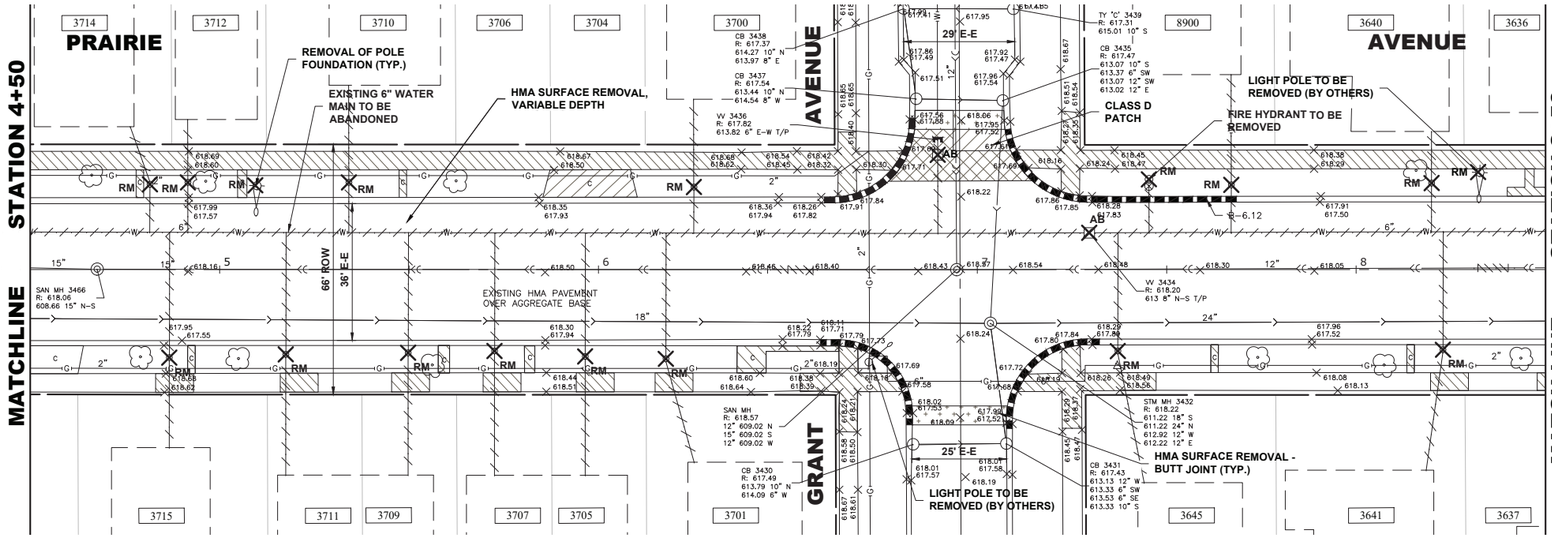
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 1 OF 11 SHEETS | STA. 0+00 | TO STA. 4+50

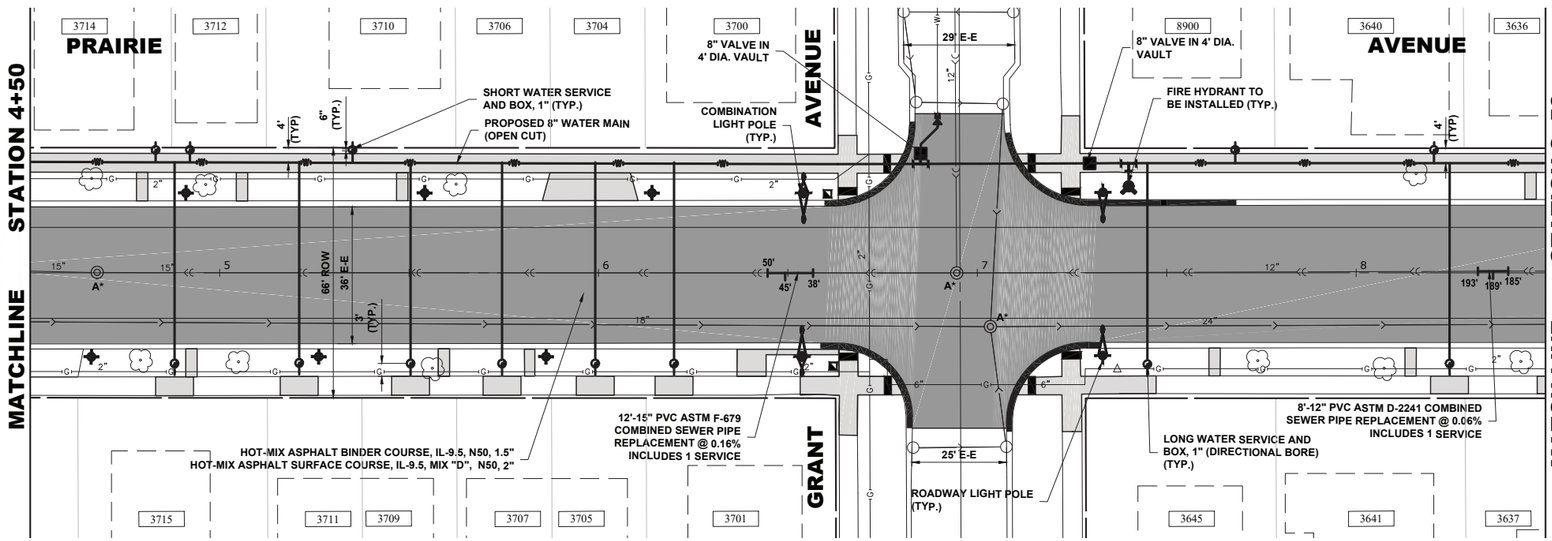
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	17
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (LAFO) Phase I\SITE\Prairie Ave Improvements (LAFO) Ph1.dwg Sep 04, 2026 – 9:12am



EXISTING TOPOGRAPHY

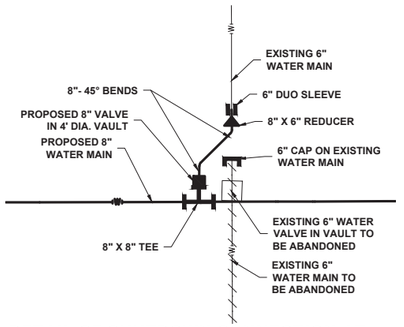


PROPOSED IMPROVEMENTS

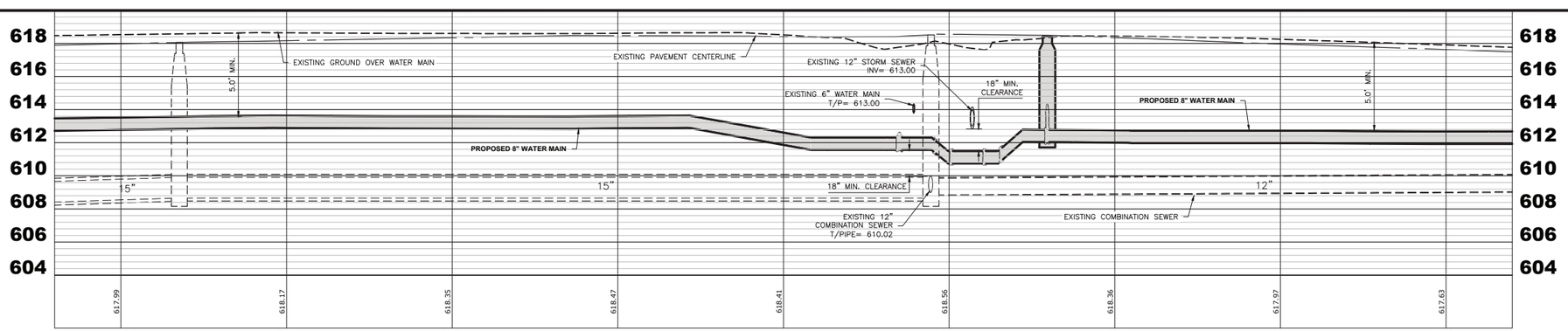
LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



DETAIL OF SHUTDOWN CONNECTION AT PRAIRIE AVENUE AND GRANT AVENUE



NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. SAN MH 3466 SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID.

HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7950 Roosevelt Road
Westchester, IL 60154-2765
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

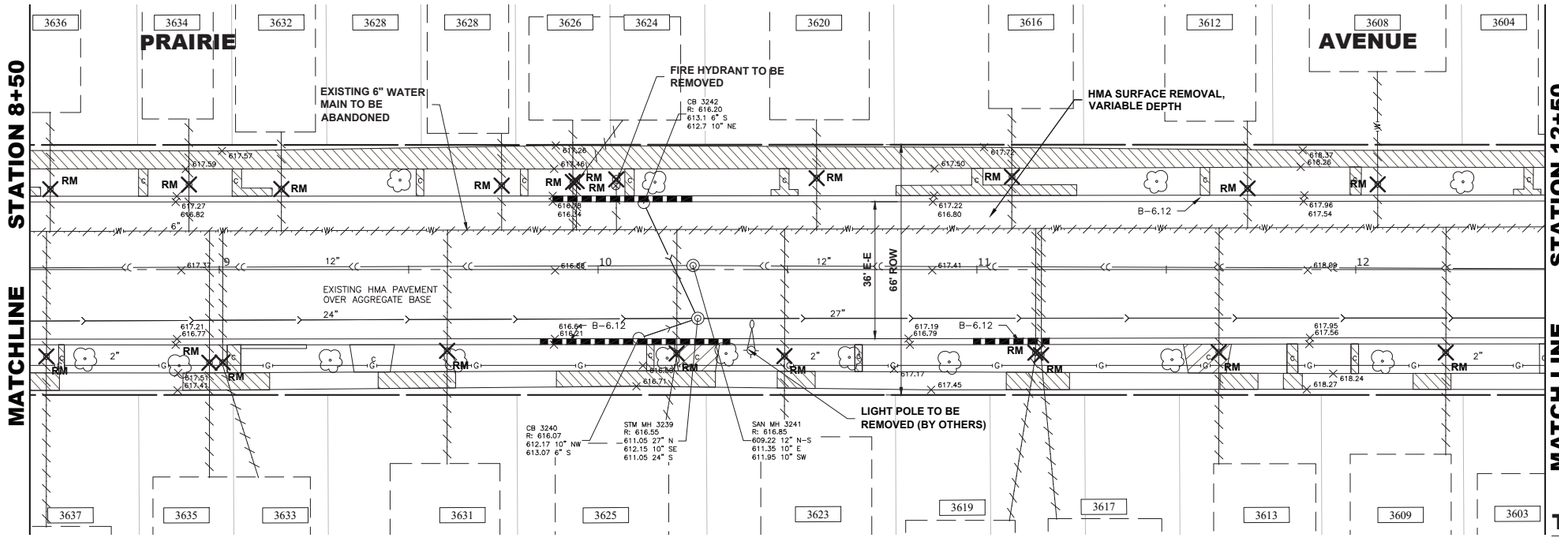
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 2 OF 11 SHEETS | STA. 4+50 | TO STA. 8+50

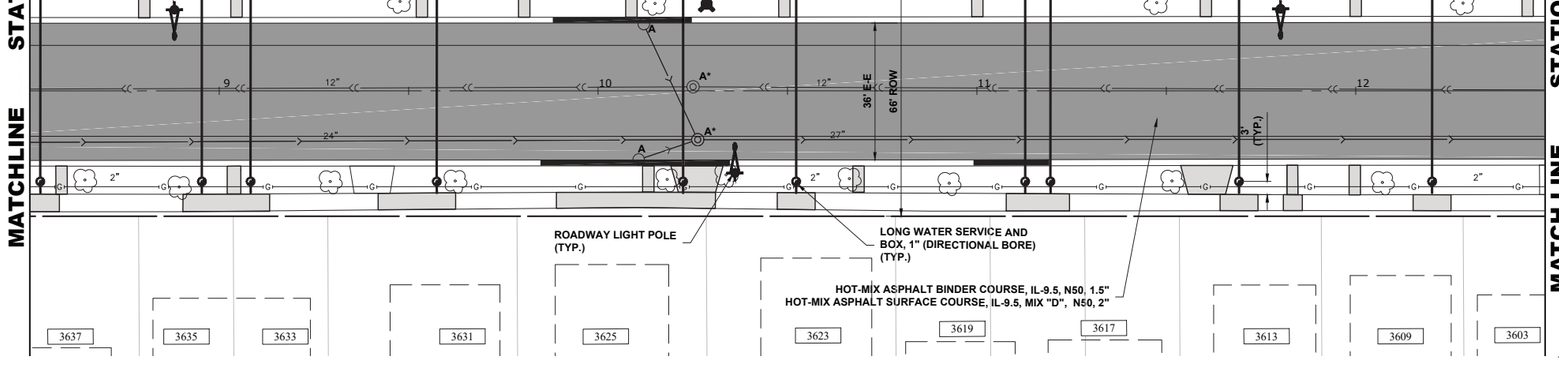
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	18
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Improvements (JAFO) Ph1.dwg Sep 04, 2026 – 9:13am



EXISTING TOPOGRAPHY

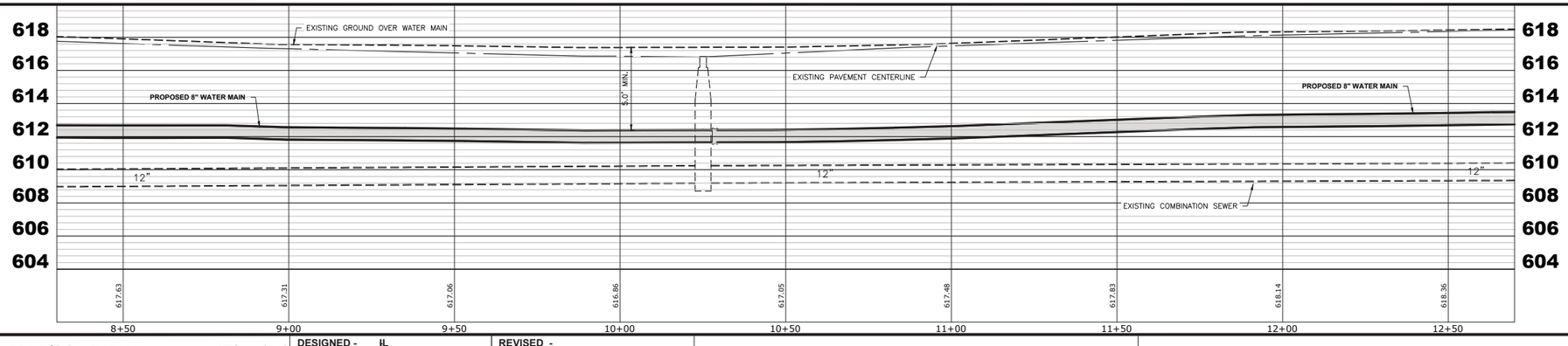


PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. SAN MH 3241 SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID.

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7950 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -	
DRAWN -	AJ, DMM, SA, JCR	REVISED -	
CHECKED -	---	REVISED -	
DATE -	9-3-26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 3 OF 11 SHEETS | STA. 8+50 | TO STA. 12+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	19
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

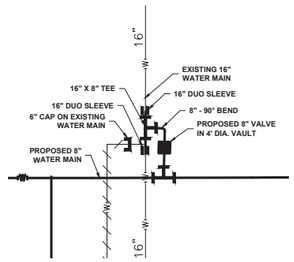
E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Improvements (JAFO) Ph1.dwg Sep 04, 2026 – 9:13am

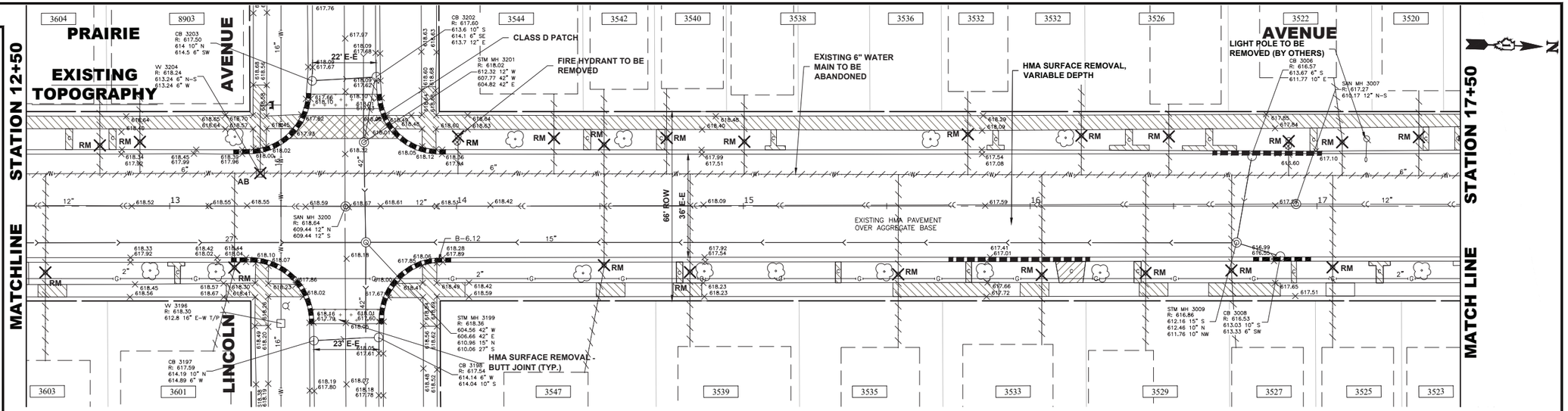
LEGEND OF SYMBOLS

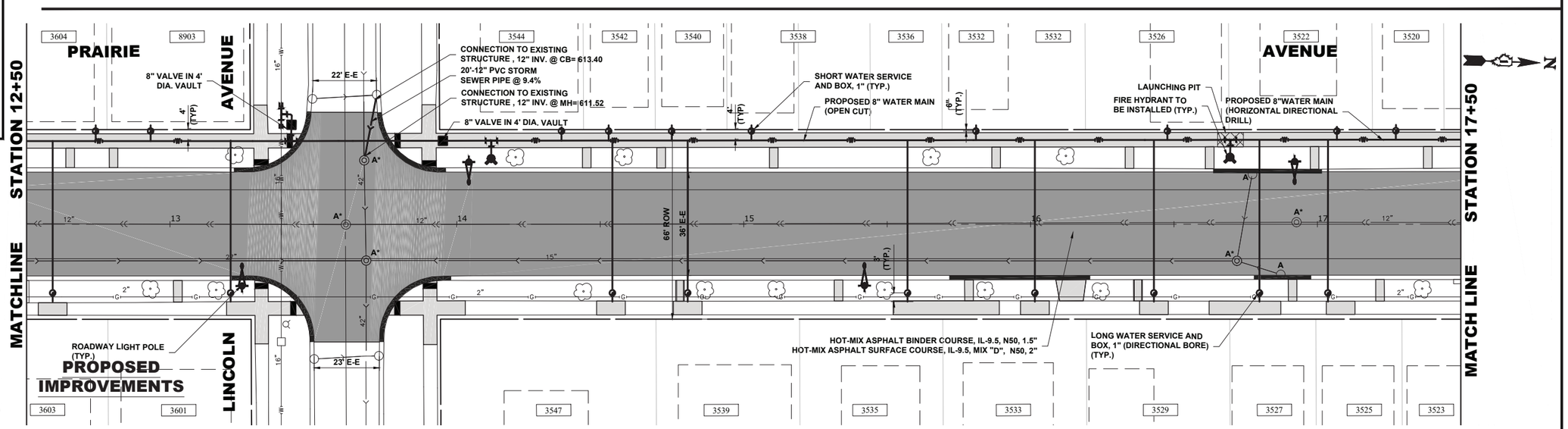
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



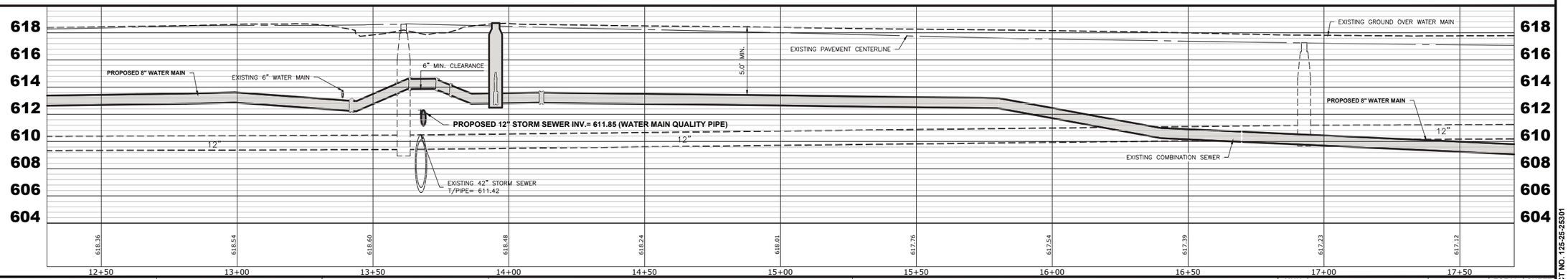
DETAIL OF SHUTDOWN CONNECTION AT PRAIRIE AVENUE AND LINCOLN AVENUE





NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. SAN MH 3008 SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID.



HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7760 Roosevelt Road
Westchester, IL 60154-2760
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

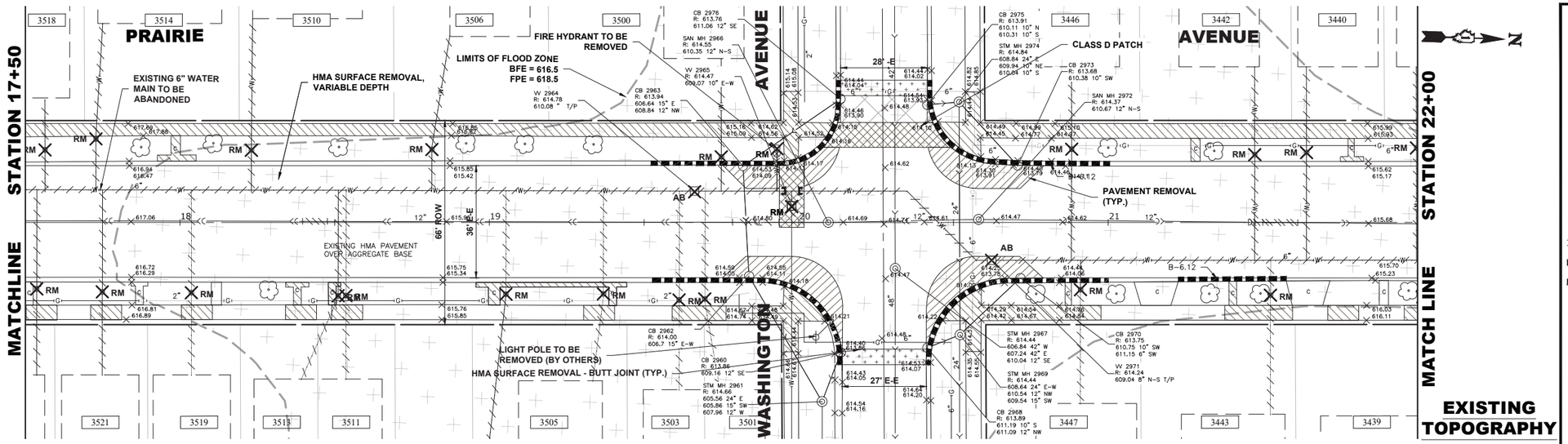
PAVING AND UTILITY PLAN

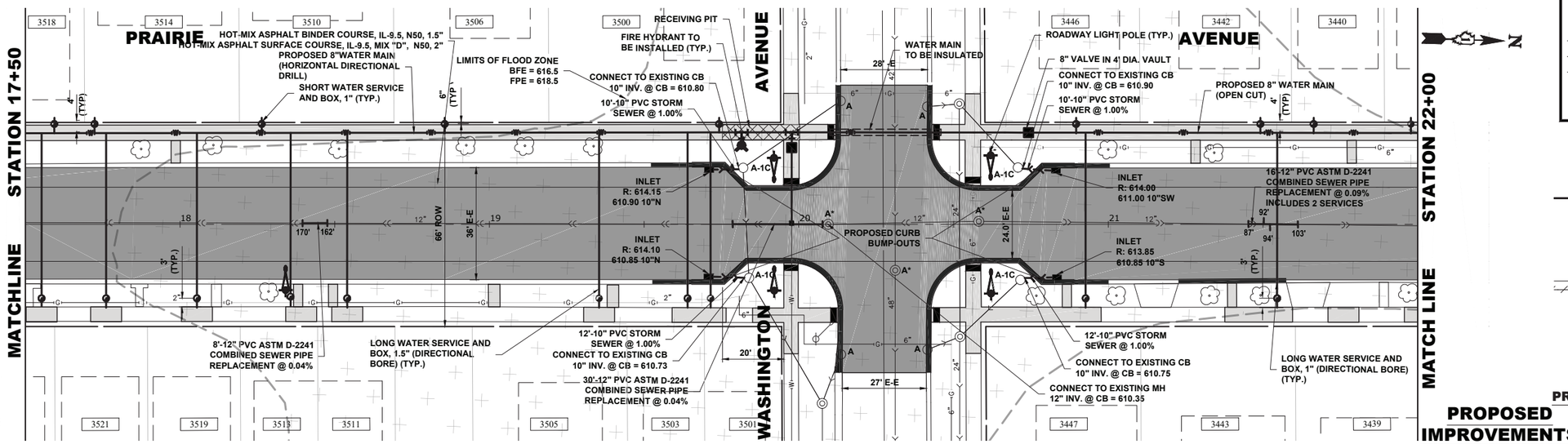
SCALE: H:1"=20',V:1"=4' | SHEET NO. 4 OF 11 SHEETS | STA. 12+50 | TO STA. 17+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	20
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Improvements (JAFO) Ph1.dwg Sep 04, 2026 – 9:13am

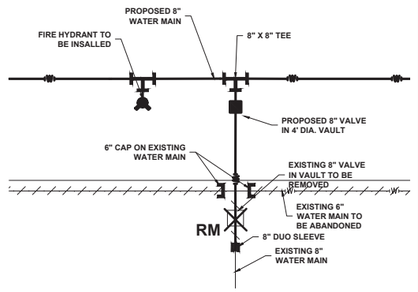




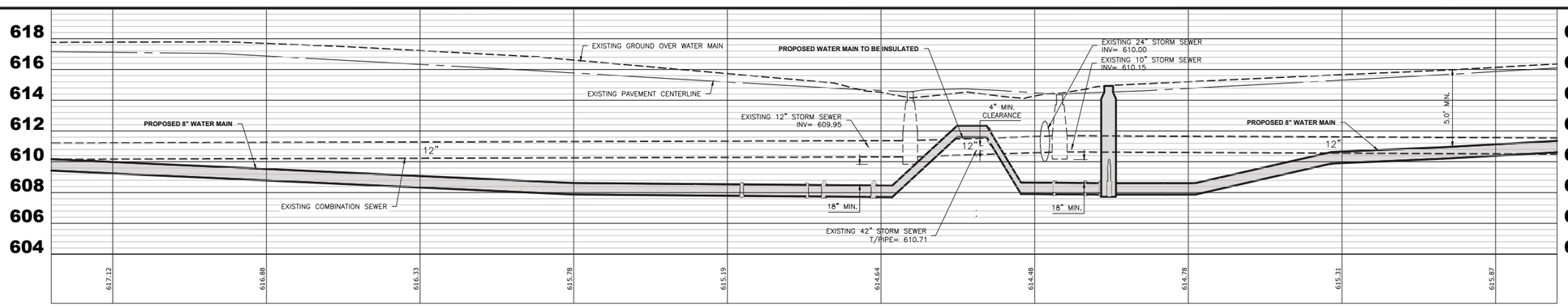
LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



DETAIL OF SHUTDOWN CONNECTION AT PRAIRIE AVENUE AND WASHINGTON AVENUE



NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. STRUCTURES WITH A CLOSED LID THAT ARE LOCATED WITH THE FLOOD PLAIN, OR BELOW THE FLOOD PROTECTION ELEVATION (FPE) SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID. INCLUDED WITHIN THIS LIST ARE SAN MH 2966 AND SAN MH 2972.

HANCOCK ENGINEERING
CIVil Engineers
Municipal Consultants
Established 1911
1798 Roosevelt Road
Westchester, IL 60154-2765
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

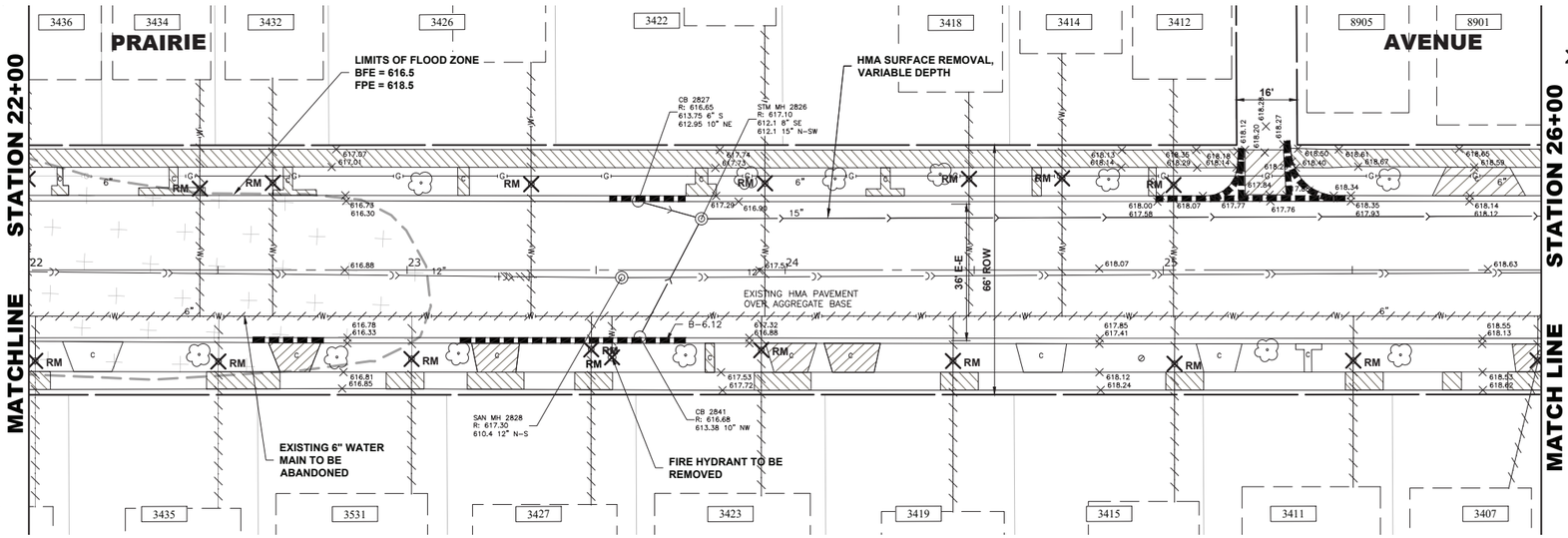
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 5 OF 11 SHEETS | STA. 17+50 | TO STA. 22+00

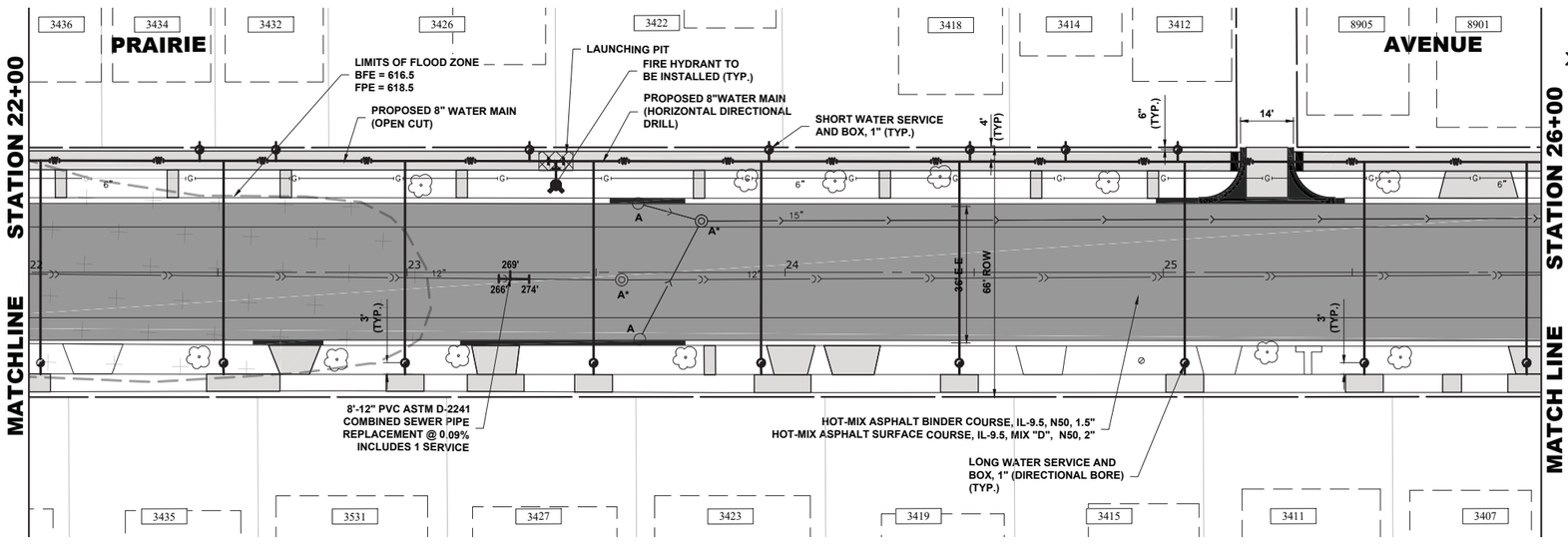
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	21
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Poirie Ave Improvements (LAFO) Phase 1\SITE\Poirie Ave Improvements (LAFO) Ph1.dwg Sep 04, 2026 - 9:13am



EXISTING TOPOGRAPHY

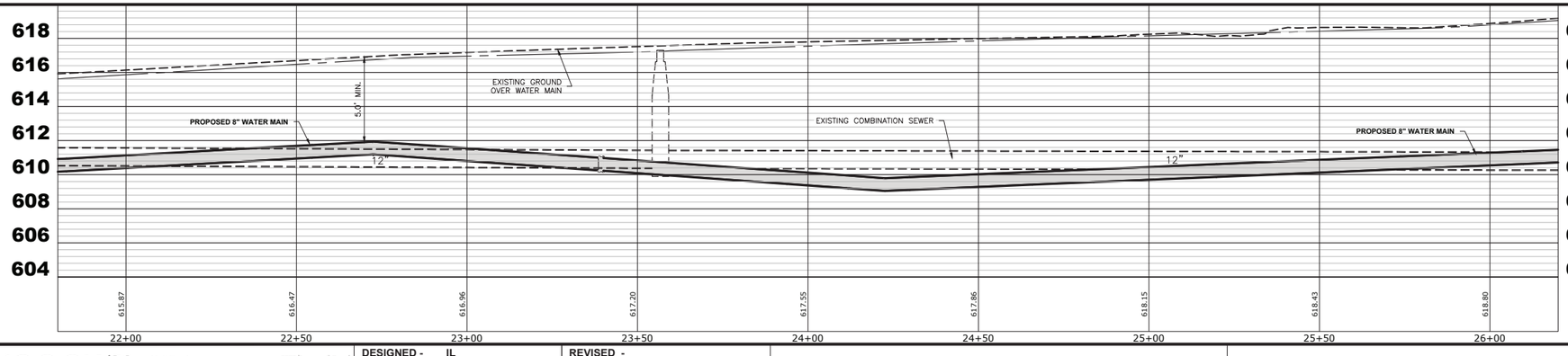


PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. SAN MH 2828 SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID.

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7950 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

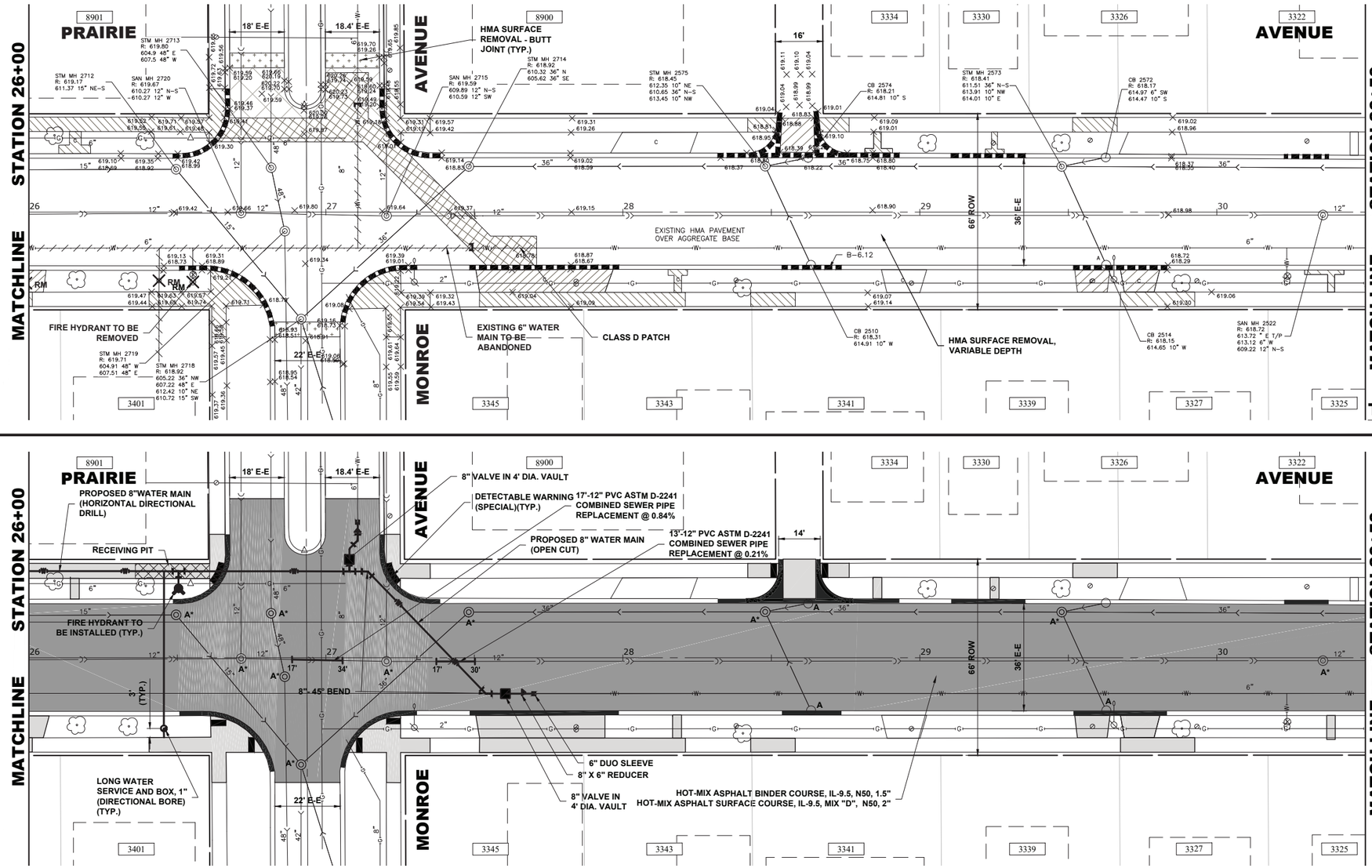
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 6 OF 11 SHEETS | STA. 22+00 | TO STA. 26+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	22
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

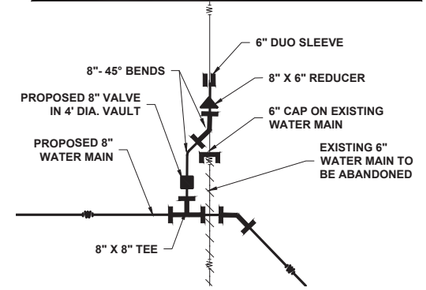
Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Improvements (JAFO) Ph1.dwg Sep 04, 2026 – 9:13am



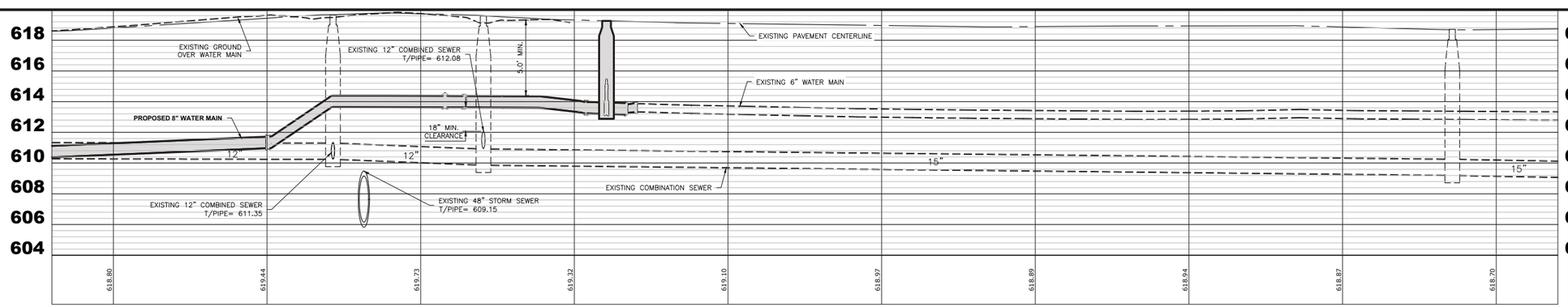
LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON



DETAIL OF SHUTDOWN CONNECTION AT PRAIRIE AVENUE AND MONROE AVENUE



NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7969 Roosevelt Road
Westchester, IL 60154-2760
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

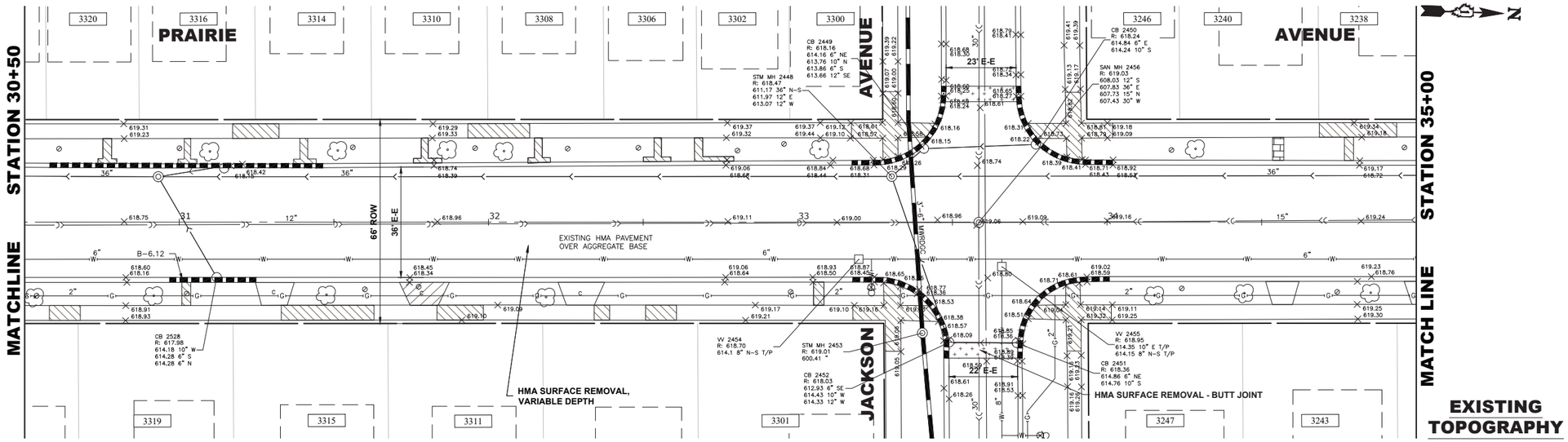
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 7 OF 11 SHEETS | STA. 26+00 | TO STA. 30+50

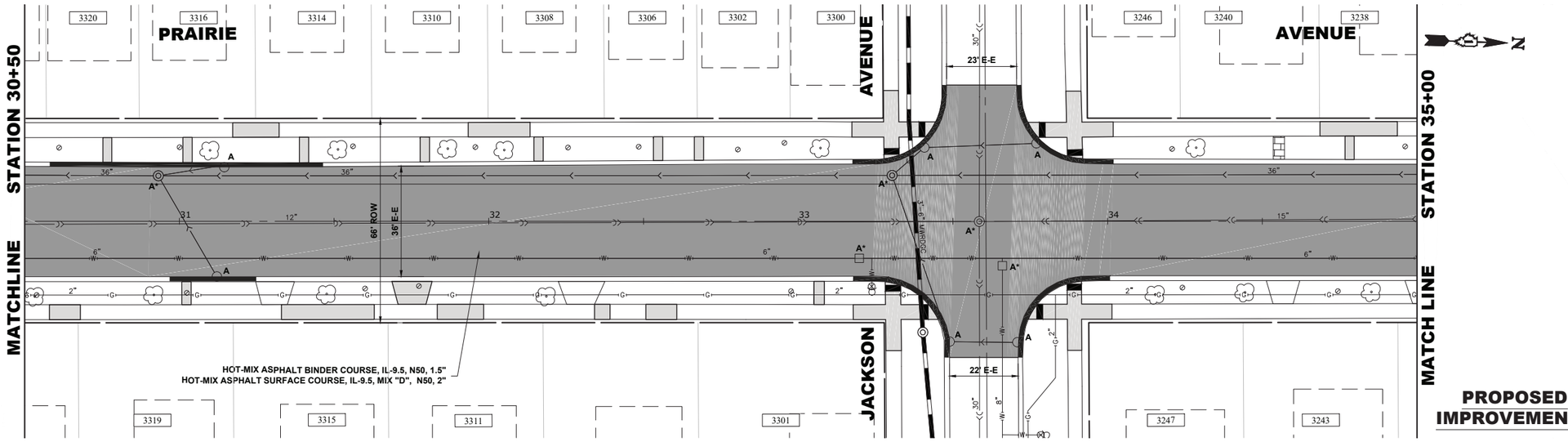
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	23
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Improvements (LAFO) Ph1.dwg Sep 04, 2026 - 9:13am



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON

NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. THE MWRD SHALL HAVE 24-HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/FACILITIES/WATERWAYS
7. NO DEBRIS SHALL ENTER MWRD STRUCTURES/ SEWERS/ FACILITIES/WATERWAYS
8. ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7908 Roosevelt Road
Westchester, IL 60154-2765
Phone: 708/865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

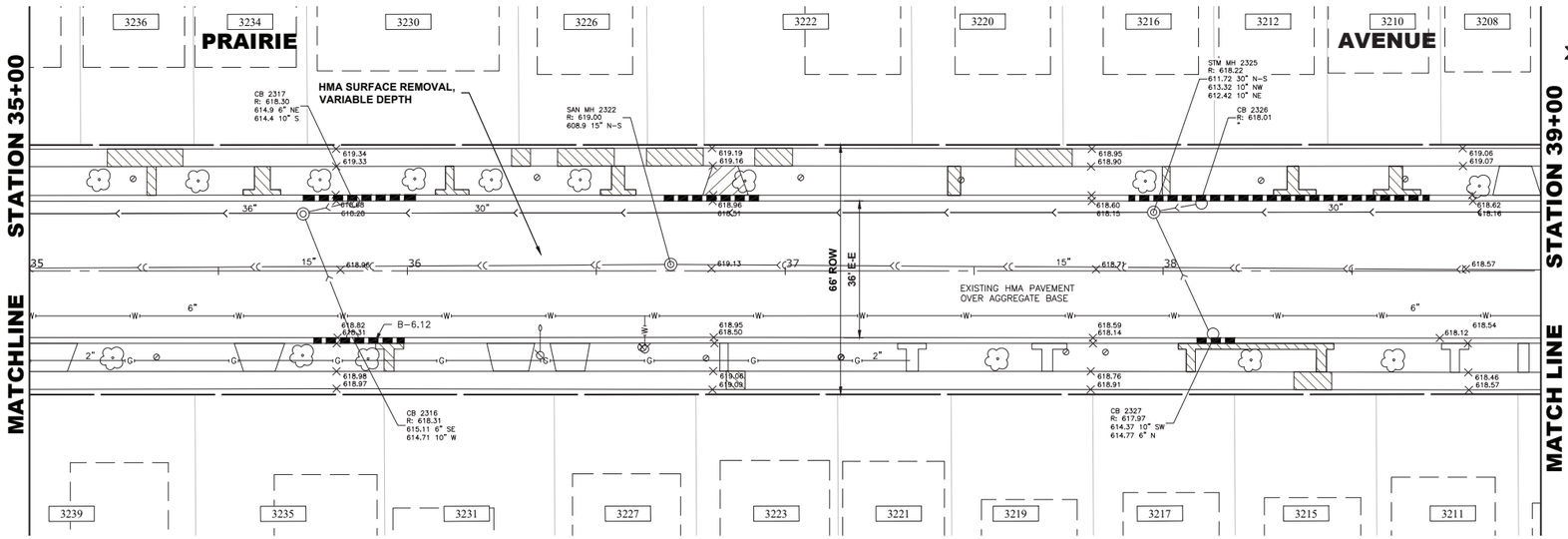
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 8 OF 11 SHEETS | STA. 30+50 | TO STA. 35+00

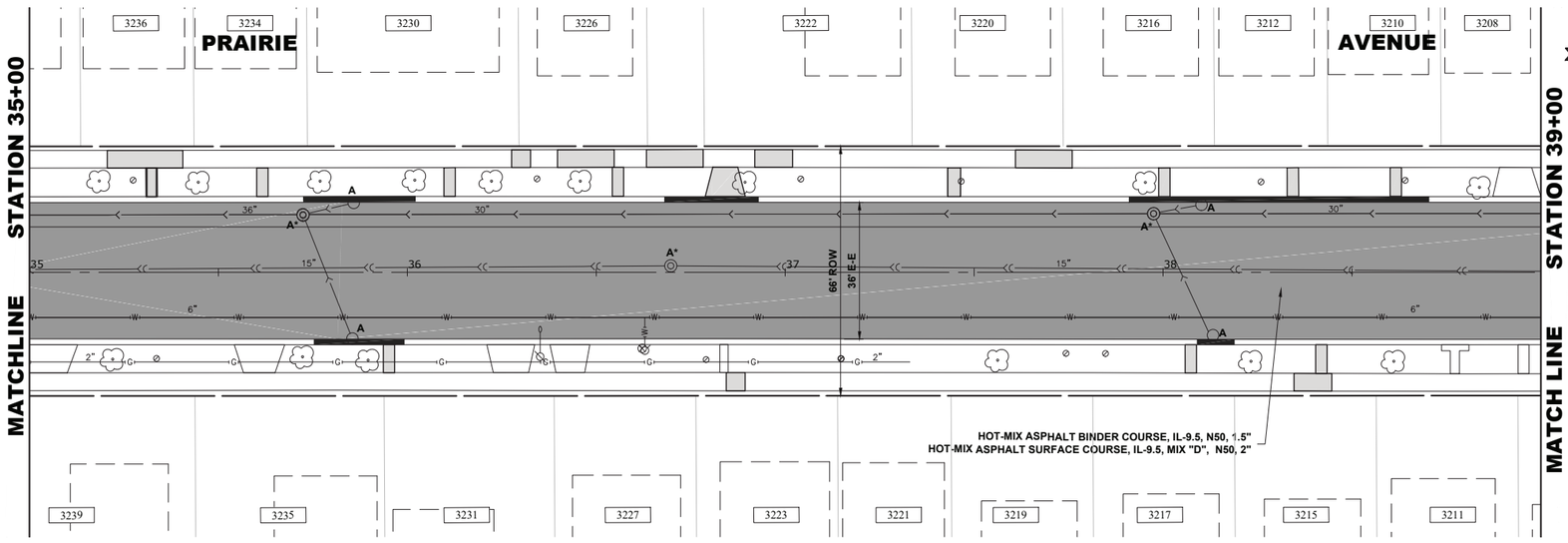
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	24
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Improvements (JAFO) Ph1.dwg Sep 04, 2026 - 9:13am



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON

NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7109 Roosevelt Road
Westchester, IL 60154-2702
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

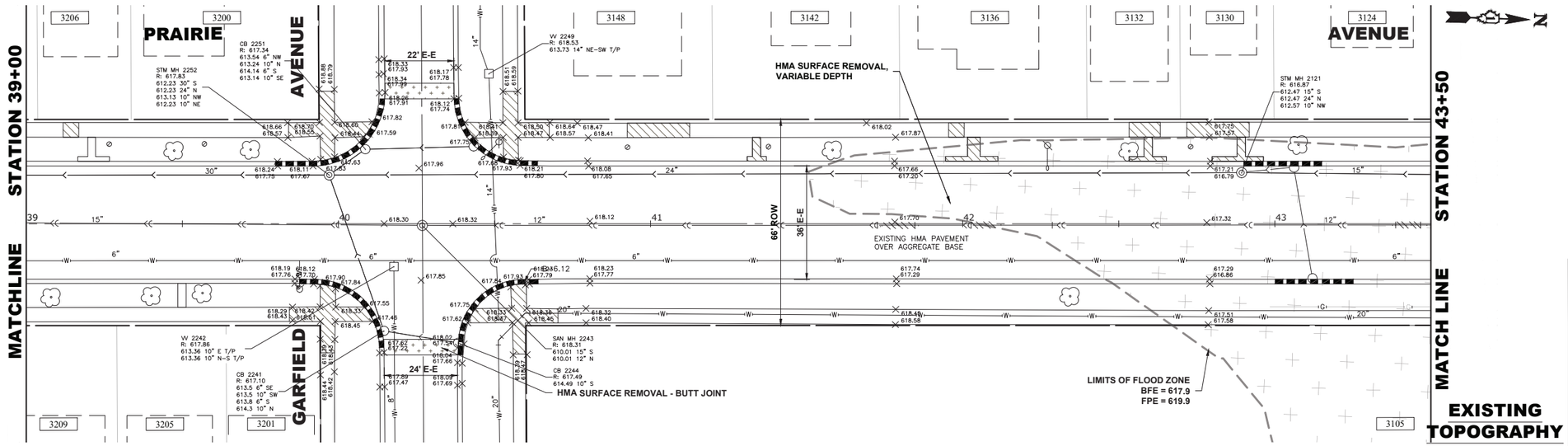
PAVING AND UTILITY PLAN

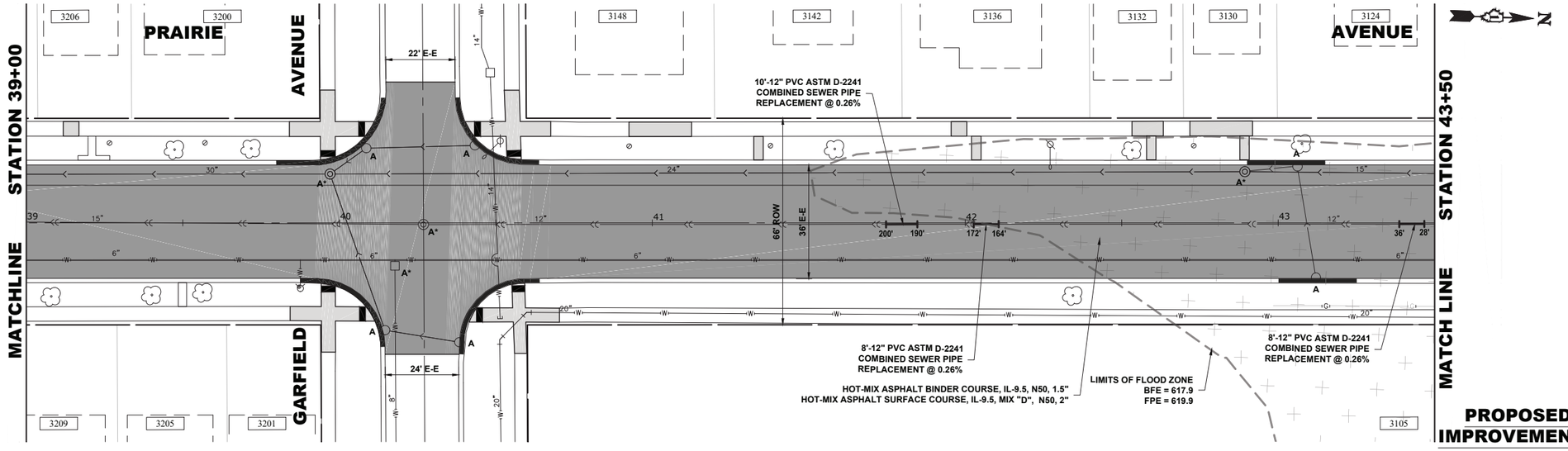
SCALE: H:1"=20',V:1"=4' | SHEET NO. 9 OF 11 SHEETS | STA. 35+00 | TO STA. 39+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	25
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing File: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Improvements (LAFO) Ph1.dwg Sep. 04, 2026 – 9:13am





LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON

EXISTING TOPOGRAPHY

PROPOSED IMPROVEMENTS

NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. STRUCTURES WITH A CLOSED LID THAT ARE LOCATED WITH THE FLOOD PLAIN, OR BELOW THE FLOOD PROTECTION ELEVATION (FPE) SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID.

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7760 Roosevelt Road
Westchester, IL 60154-2760
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

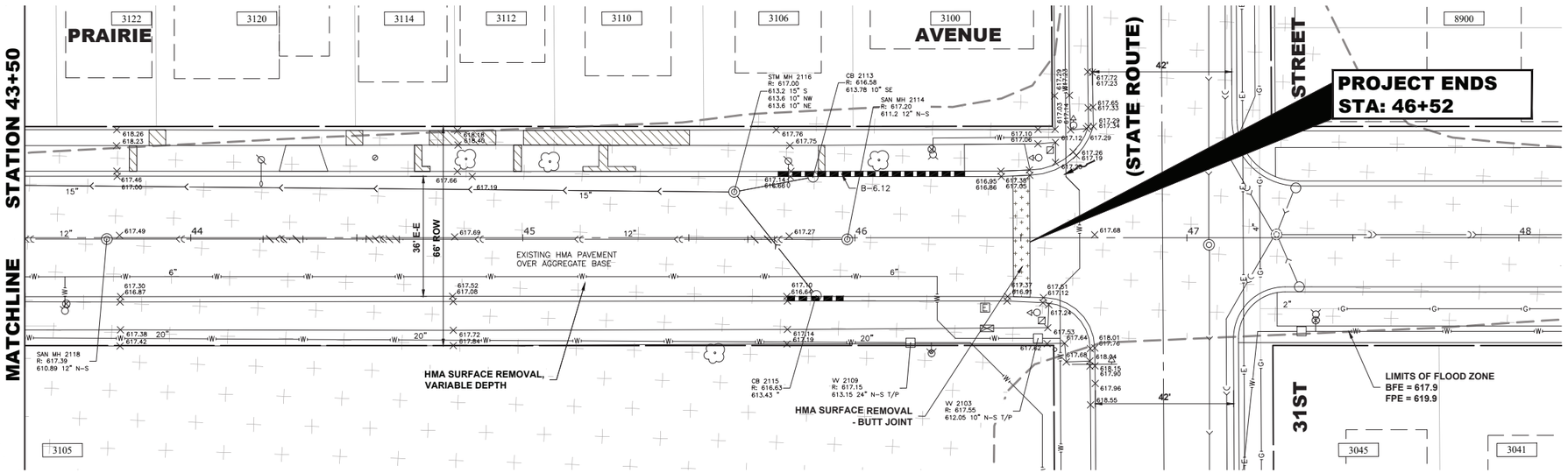
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 10 OF 11 SHEETS | STA. 39+00 | TO STA. 43+50

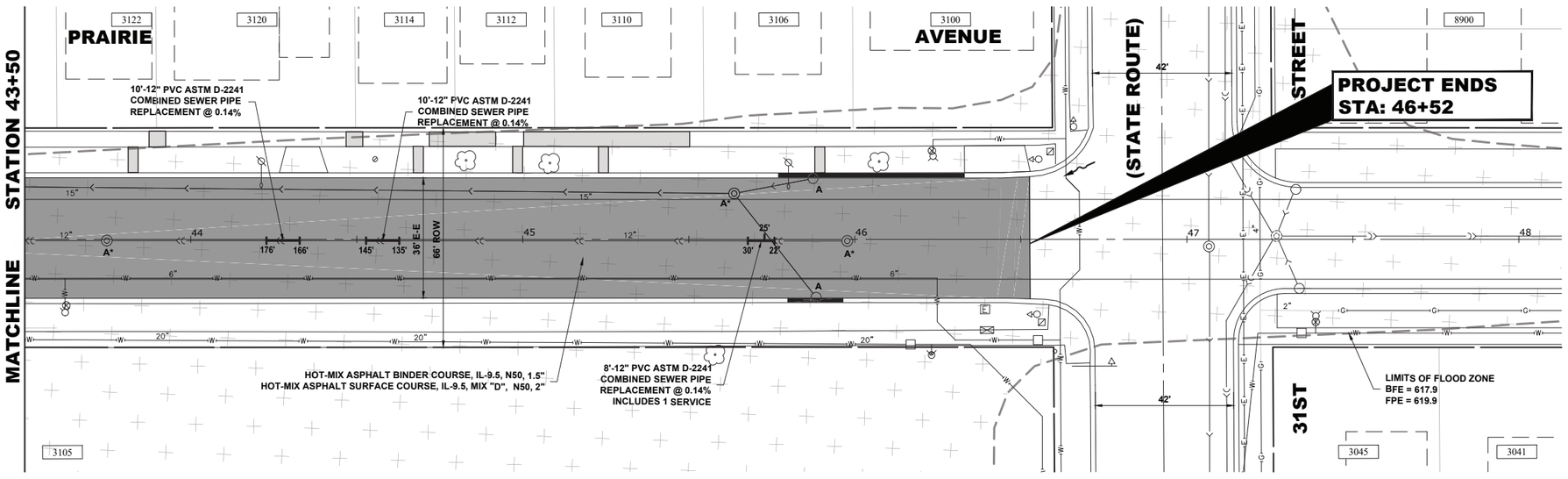
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	26
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Improvements (LAFO) Ph1.dwg Sep. 04, 2026 – 9:13am



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-09)

SYMBOL	DESCRIPTION
	EARTH EXCAVATION (TRENCH)
	PAVEMENT OR DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" PCC PAVEMENT
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
	EXISTING BRICK PAVER AREA
	REMOVE AND RESET BRICK PAVERS
	SUPPLY AND INSTALL BRICK PAVERS
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CURB AND GUTTER REMOVAL
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
	PROPOSED DETECTABLE WARNING
	PROPOSED TREE GRATE W/ PCC RIBBON

NOTES:

1. ALL PROPOSED WATER MAIN SHALL BE DUCTILE IRON PIPE CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
2. PIPE FITTINGS AND SPECIFIC CASTINGS SHALL BE DUCTILE IRON CONFORMING TO THE STANDARDS REFERENCED HEREIN AND IN THE SPECIFICATIONS.
3. LOCATIONS OF PROPOSED WATER SERVICES ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.
4. WATER MAIN CONSTRUCTION ON PRAIRIE AVENUE SHALL BEGIN AT MONROE AVENUE AND CONTINUE SOUTH TO BROOKFIELD AVENUE.
5. ALL EXISTING STORM SEWERS AND LATERALS ON PRAIRIE AVENUE CONFORM TO THE RESPECTIVE WATER MAIN QUALITY STANDARDS FOR PVC, DUCTILE IRON, AND REINFORCED CONCRETE PIPE.
6. STRUCTURES WITH A CLOSED LID THAT ARE LOCATED WITH THE FLOOD PLAIN, OR BELOW THE FLOOD PROTECTION ELEVATION (FPE) SHALL BE SUPPLIED WITH A SELF-SEALING, WATERTIGHT BOLT DOWN FRAME AND LID. INCLUDED IN THIS LIST IS SAN MH 2114.

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7760 Roosevelt Road
Westchester, IL 60154-2760
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

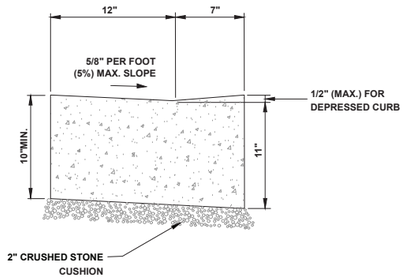
PAVING AND UTILITY PLAN

SCALE: H:1"=20',V:1"=4' | SHEET NO. 11 OF 11 SHEETS | STA. 43+50 | TO STA. 47+50

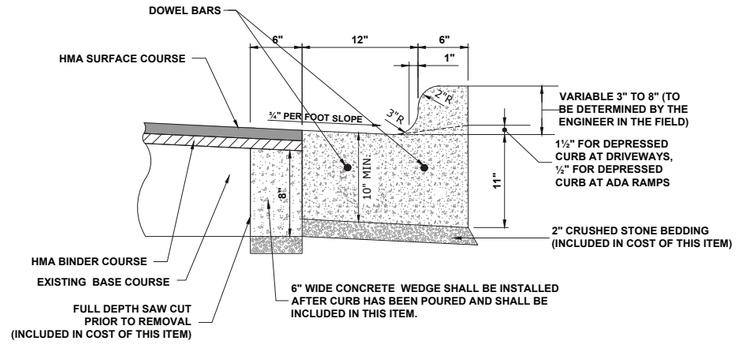
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	27
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing File: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Improvements (JAFO) Ph1.dwg Sep. 04, 2026 – 9:13am



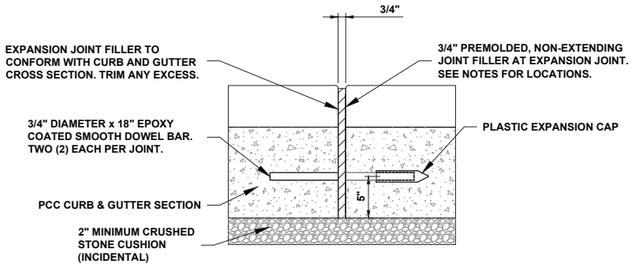
CURB AND GUTTER AT A.D.A. RAMPS



NOTES :

1. PROVIDE 2 - 3/4" DIAMETER, 18" LONG EPOXY COATED SMOOTH BARS WITH PLASTIC EXPANSION CAPS AT EACH EXPANSION JOINT.
2. CONTRACTION JOINT - 2" DEEP CONTRACTION JOINTS SHALL BE SAWED AT EQUAL SPACES (NOT EXCEEDING 15 FEET) BETWEEN NORMAL EXPANSION JOINTS, IN THE UPPER 1/3 OF CURB & GUTTERS WITHIN 24 HOURS OF PLACEMENT.

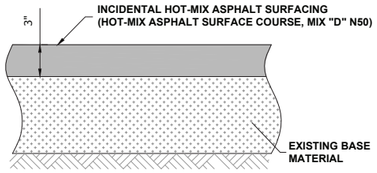
COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)



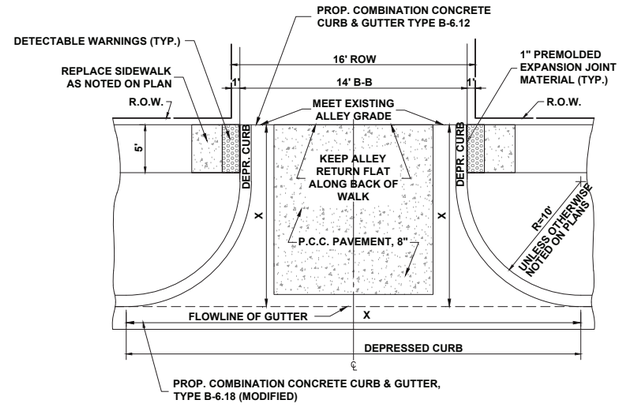
NOTE:

1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S & PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS, CONSTRUCTION JOINTS, EVERY 50' ON TANGENT SECTIONS, AND AS DIRECTED BY THE ENGINEER.

TYPICAL CURB AND GUTTER EXPANSION JOINT



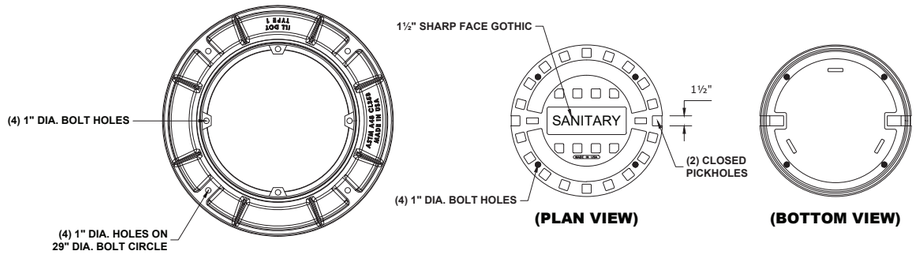
INCIDENTAL HOT-MIX ASPHALT SURFACING



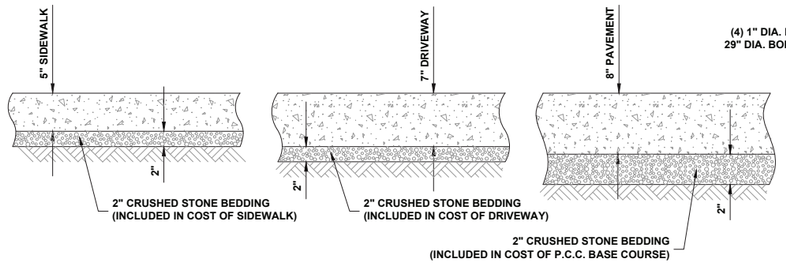
NOTE: UNLESS OTHERWISE NOTED ON PLAN USE RADII AS MARKED ABOVE.

* LENGTH OF CURB TO BE MEASURED FOR PAVEMENT NOTATED BY "X"

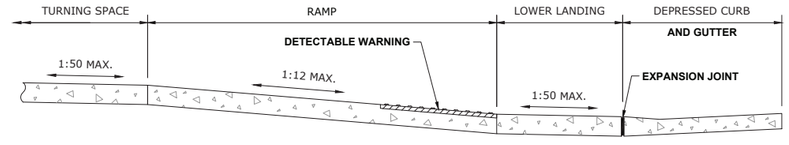
ALLEY RETURN



BOLT DOWN FRAME AND LID



TYPICAL P.C.C. SIDEWALK, 5", 7" DRIVEWAY, AND 8" ALLEY PAVEMENT



THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT REQUIRE THE CURB LENGTH TO EXCEED 15'.

ADA RAMP

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2702
Phone: 708/345-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

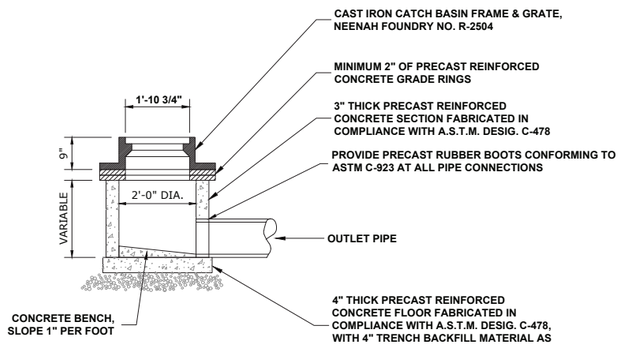
PAVING AND UTILITY DETAILS

SCALE: - | SHEET NO. 1 OF 1 SHEETS | STA. - | TO STA. -

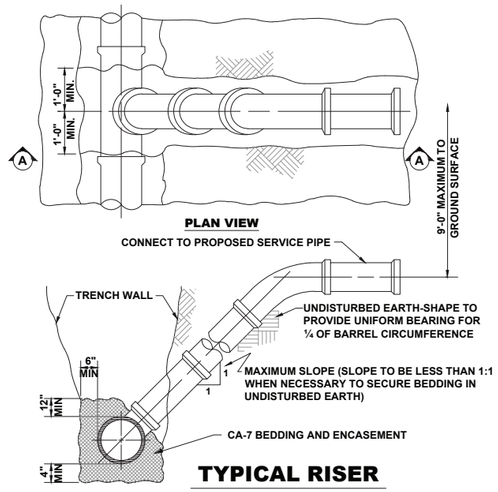
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	28
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.M.E. PROJECT NO. 125-25-25301

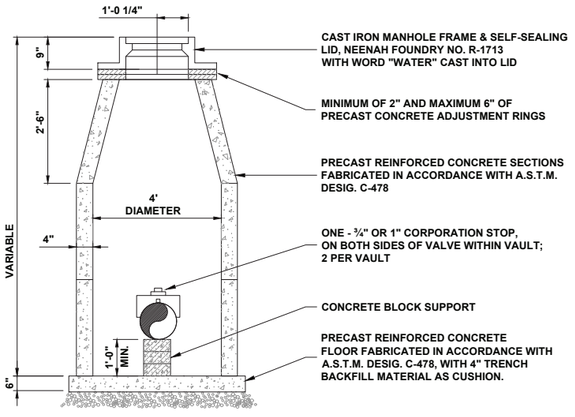
Drawing file: W:\Projects_by_Village\Brookfield\25252S3 - Prairie Ave Improvements (LAFO) Phase 1\DETAILS.dwg Sep 04, 2026 - 9:13am



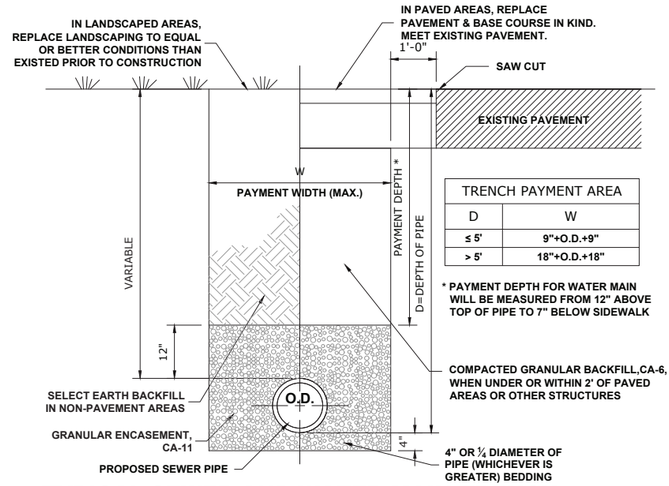
INLET



TYPICAL RISER FOR SERVICE LATERAL



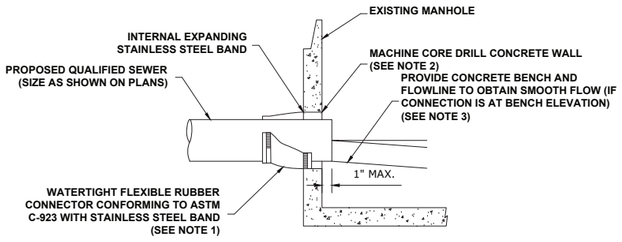
STANDARD VALVE VAULT



TRENCH PAYMENT AREA	
D	W
≤ 5'	9"+O.D.+9"
> 5'	18"+O.D.+18"

* PAYMENT DEPTH FOR WATER MAIN WILL BE MEASURED FROM 12" ABOVE TOP OF PIPE TO 7" BELOW SIDEWALK

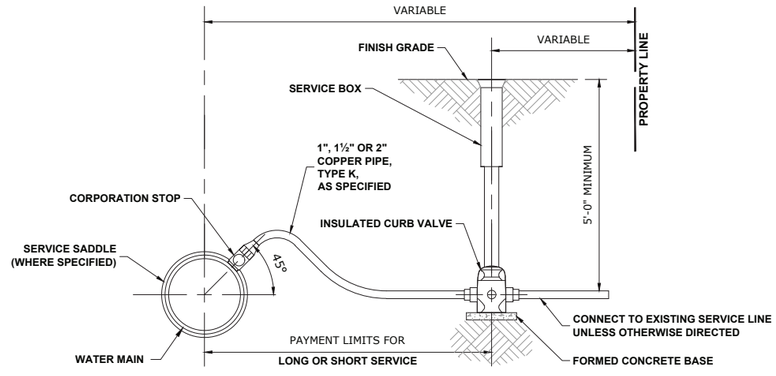
TYPICAL SEWER AND WATER MAIN TRENCH



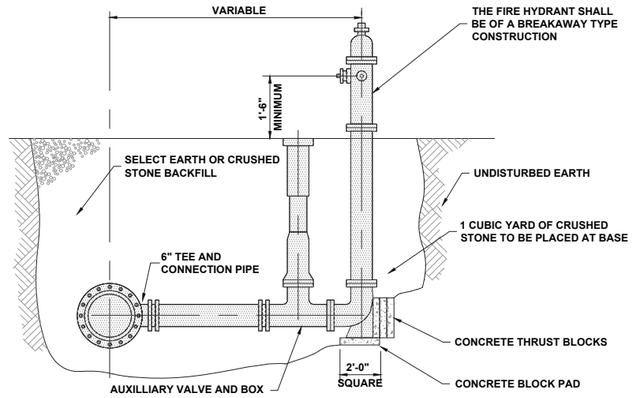
SECTION

NOTES:
1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
6. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES, OR IF THE STRUCTURE CANNOT BE CORE DRILLED.

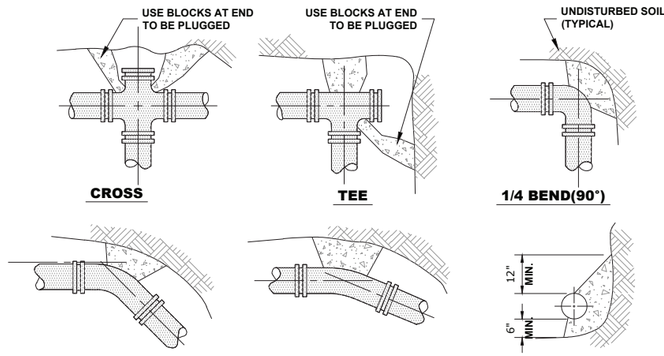
PIPE TO EXISTING MANHOLE OR CATCH BASIN CONNECTION



TYPICAL WATER SERVICE



FIRE HYDRANT



NOTE:
1. THRUST BLOCKS TO BE USED AT 1/16(22-1/2°) OR GREATER BENDS & AT ALL ENDS TO BE PLUGGED.
2. PRECAST CONCRETE THRUST BLOCKS TO BE PLACED AGAINST FIRM, UNDISTURBED SOIL.

THRUST BLOCK

1) TAPPED REPAIR CLAMPS AND SERVICE SADDLES:

A. MANUFACTURER/: MODEL — FORD – STYLE FS1, ALL STAINLESS STEEL TAPPED REPAIR CLAMP

12" LENGTH

POWERSEAL – MODEL 3131AS, ALL STAINLESS STEEL TAPPED REPAIR CLAMP, 12" LENGTH

SMITH BLAIR – SERVICE SADDLE DOUBLE STRAP, MODEL 317

OR AS APPROVED:
CASCADE, MODEL CS22
SMITH-BLAIR #256, #261, #264
JCM (STAINLESS STEEL)

B. USE: ALL CAST IRON WATER MAIN
ALL PVC WATER MAIN
ABOVE 1" TAPS ON DUCTILE IRON WATER MAIN

2) WATER SERVICE FITTINGS:

A. MATERIAL: BRASS
B. JOINT TYPE: COMPRESSION OR FLARE
C. MANUFACTURER: MUELLER
D. CORP. STOP: B-25008N (COMPRESSION), B-25000N (FLARE)
E. CURB STOP: B-25155N (COMPRESSION), B-25154N (FLARE)
F. CURB BOX: EXTENSION TYPE WITH MINNEAPOLIS PATTERN BASE H-10300 SERIES, LID AND PENTAGON PLUG

MATERIAL REQUIREMENTS FOR WATER SERVICES

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7788 Roosevelt Road, Westchester, IL 60154-2788
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

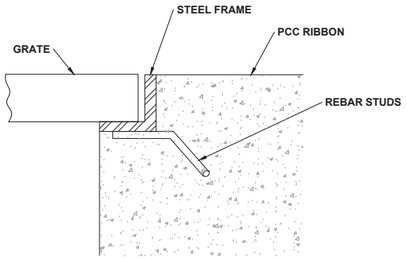
PAVING AND UTILITY DETAILS

SCALE: - | SHEET NO. 1 OF 1 SHEETS | STA. - | TO STA. -

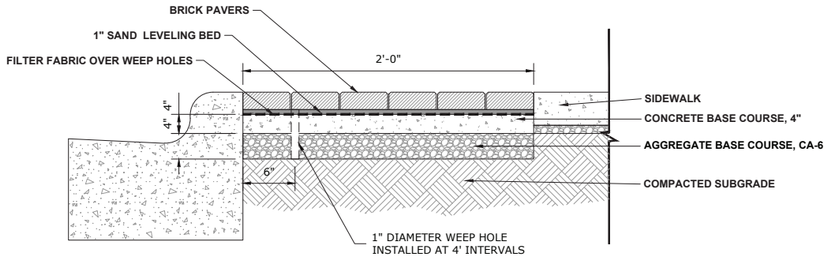
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	29
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

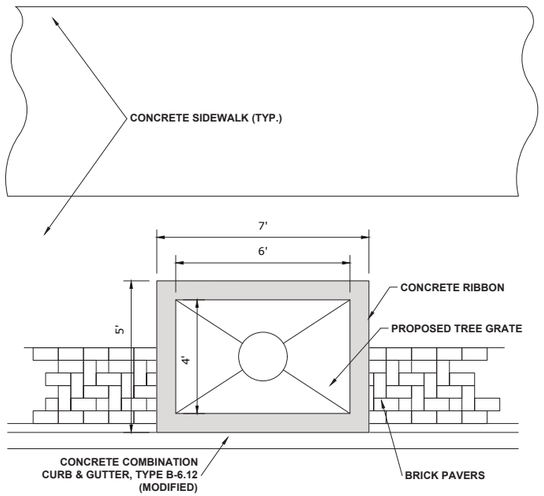
Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Pointe Ave Improvements (JAFO) Phase 1\DETAILS.dwg Sep 04, 2026 – 9:13am



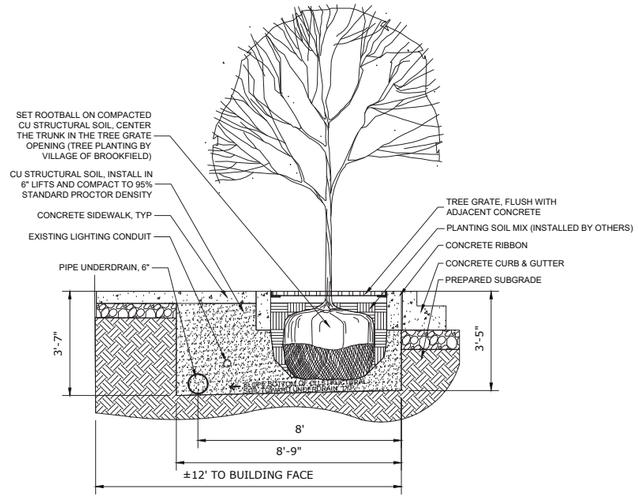
TREE GRATE FRAME MOUNTING



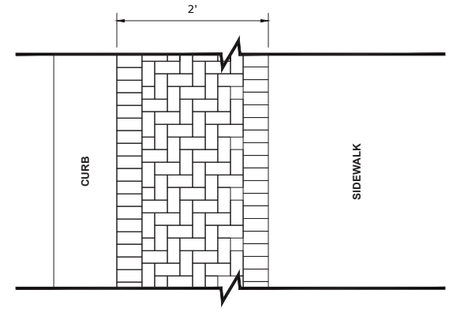
BRICK PAVER SIDEWALK
(CROSS SECTION)



TREE GRATE ASSEMBLY
(PLAN VIEW)



TREE GRATE AND STRUCTURAL SOIL



BRICK PAVER SIDEWALK
(PLAN VIEW)

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Palne Ave Improvements (JAFO) Phase 1\DETAILS.dwg Sep 04, 2026 - 9:13am

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
100+ Years of Excellence
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING AND UTILITY DETAILS

SCALE: - | SHEET NO. 1 OF 1 SHEETS | STA. - | TO STA. -

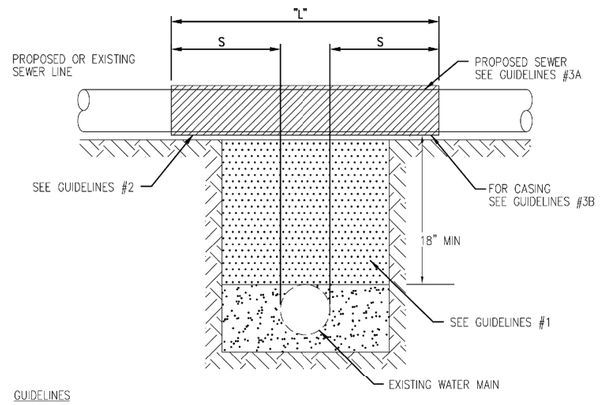
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	30

FIELD BOOK NO. : - | CONTRACT NO. 61M82

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

E.H.E. PROJECT NO. 125-25-25301

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



GUIDELINES

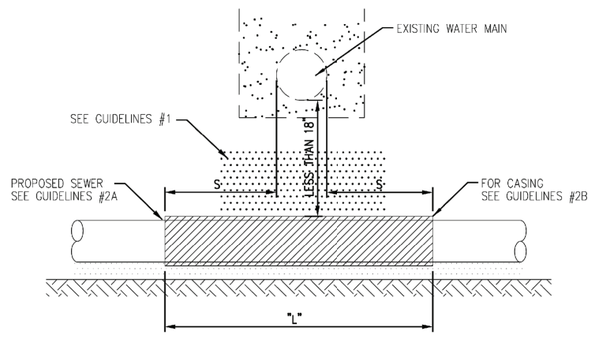
1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE 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

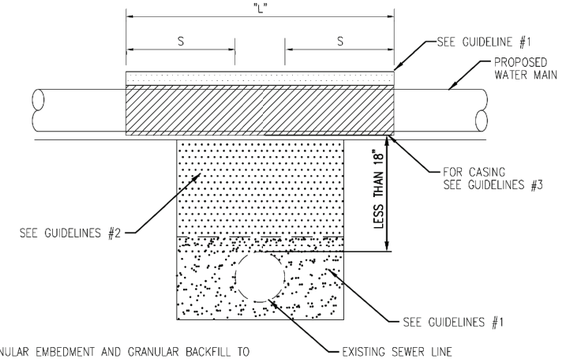
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   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



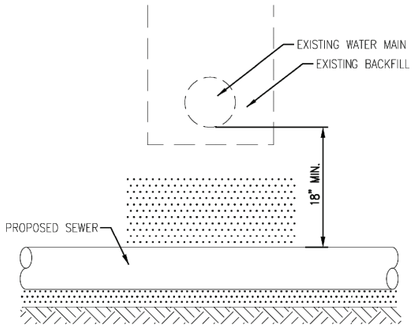
GUIDELINES

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.

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

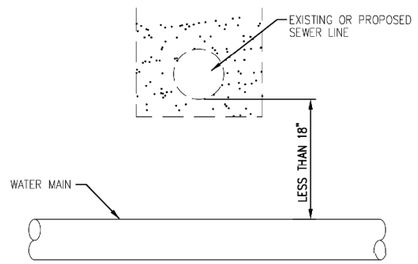


GUIDELINES

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.**



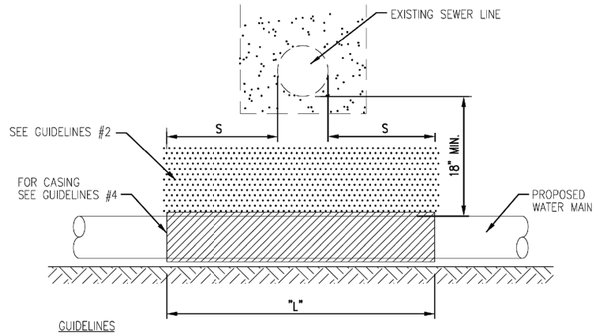
NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

*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

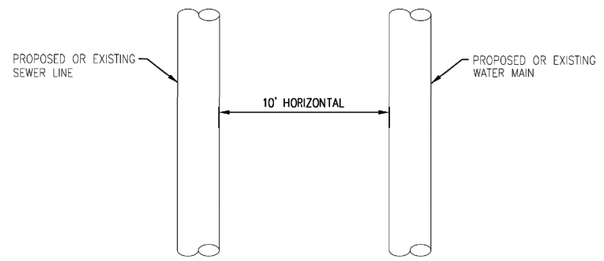
*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



GUIDELINES

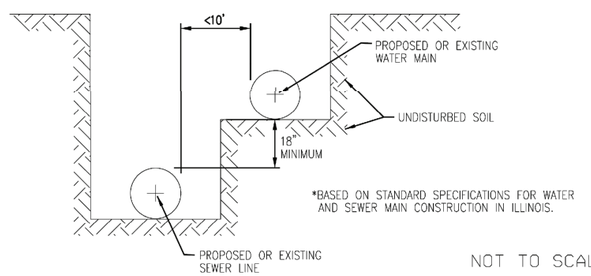
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (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.

PER IEPA, WHEN **PROPOSED** SEWER (OR 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

TECHNICAL GUIDANCE MANUAL

7/1/15

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

STD. DWG. NO. 41

PAGE NO. 42

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-345-0900
www.hancockcvi.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER AND SEWER SEPARATION REQUIREMENTS

SCALE: - | SHEET NO. - OF - SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	31
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.M.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase 1\DETAILS.dwg Sep 04, 2026 - 9:14am

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION	CODE & SIZE	SYMBOL	DESCRIPTION	CODE & SIZE
SL 20	WORK ZONE SPEED LIMIT 20 $250 FINE MINIMUM	W21-I115 36"x18"	S	STOP	R1-1 30"x30"
		R2-1 36"x48"	NLT		R3-2 24"x24"
		R2-I106P 36x18"	NRT		R3-1 24"x24"
RA		M6-1PR(0) 21"x15"	KR	KEEP RIGHT	R4-7a 24"X30"
LA		M6-1PL(0) 21"x15"			
TW		W6-3(0) 48"x48"	KL	KEEP LEFT	R4-8a 24"X30"
			WW	WRONG WAY	R5-1a 36"x24"
RCA	ROAD CLOSED AHEAD	W20-3 48"x48"	SC	SIDEWALK CLOSED USE OTHER SIDE	R11-I102 24"x30"
RWA	ROAD CONSTRUCTION AHEAD	W20-I103 48"x48"	SC	SIDEWALK CLOSED USE OTHER SIDE	R11-I102 24"x30"
DNE	DO NOT ENTER	R5-1 30"X30"	RC T T T	ROAD CLOSED TO THRU TRAFFIC	R11-4 60"x30"
RC	ROAD CLOSED	R11-2 48"x30"			W1-7 24" x 12"
NP	NO PARKING	R7-1 12"x18"			W24-1R(O) 48"x48"
		W1-3R(0) 48"x48"			W1-3L(0) 48"x48"
		W1-6L(0) 60"x30"	BOW	BEGIN ONE WAY	R6-6 24"x30"
		W1-6R(0) 60"x30"	EOW	END ONE WAY	R6-7 24"x30"
NS		R3-27 24"x24"	1W	ONE WAY	R6-1L 36"x12"
			1W	ONE WAY	R6-1R 36"x12"

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
9708 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT DETAILS

SCALE: 1" = 40' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

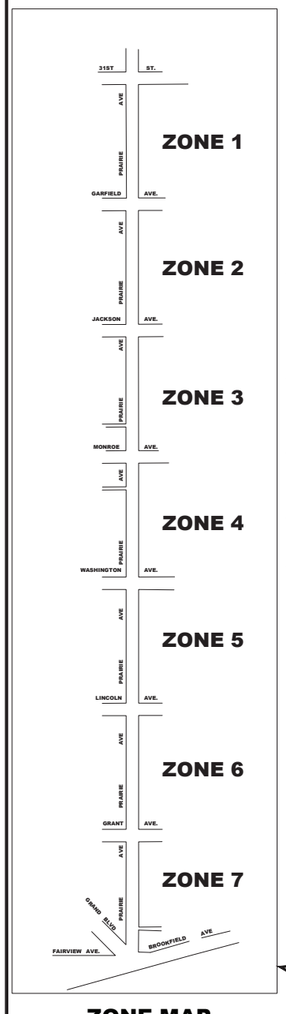
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	32
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:14am

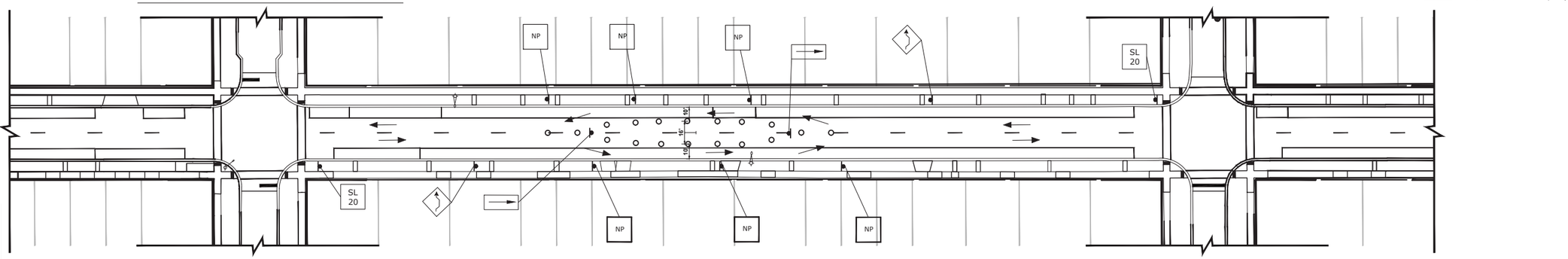
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



ZONE MAP

STAGE 1A
TYP. FOR PRAIRIE AVE FROM BROOKFIELD AVE TO 31ST ST

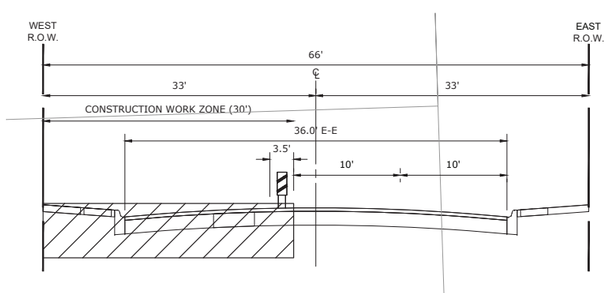


STAGE 1A CONSTRUCTION

1. WORK DURING THIS STAGE SHALL INCLUDE THE COMBINED SEWER POINT REPAIRS, STORM LATERALS AND DRAINAGE STRUCTURE REPLACEMENT.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. THE MAINTENANCE OF TRAFFIC PLAN SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EXCAVATION OF UTILITY IMPROVEMENTS, AND PERFORMING ALL PROPOSED UTILITY IMPROVEMENTS AS SHOWN IN THE PLANS.
4. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE, WITH TRAFFIC DETOURED OVER TO THE PARKING LANES DURING WOKRING HOURS.
5. DRIVEWAYS ARE TO REMAIN ACCESSIBLE THROUGHOUT THE CONSTRCUTION OF THIS STAGE. CONTRACTOR TO NOTIFY RESIDENTS 24 HOURS BEFORE WORK IS SCHEUDLE TO BE PERFORMED.
6. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
7. CONTRACTOR WILL NOT BE ALLOWED TO OPEN MULTIPLE LOCATIONS AT ONCE, AND WILL HAVE TO COMPLETE SEWER REPAIR, AND BACKFILL BEFORE MOVING TO THE NEXT LOCATION.
8. WITHIN 48 HOURS OF ALL WORK ASSOCIATED WITH STAGE 1A BEING COMPLETED, THE CONTRACTOR SHALL INSTALL A TEMPORARY HMA PATCH ON ANY UTILITY TRENCHES AS DIRECTED BY THE ENGINEER. INSTALLATION AND REMOVAL OF PATCH TO BE PAID UNDER PAY ITEM X4420210 TEMPORARY PATCHING.
9. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 15 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.

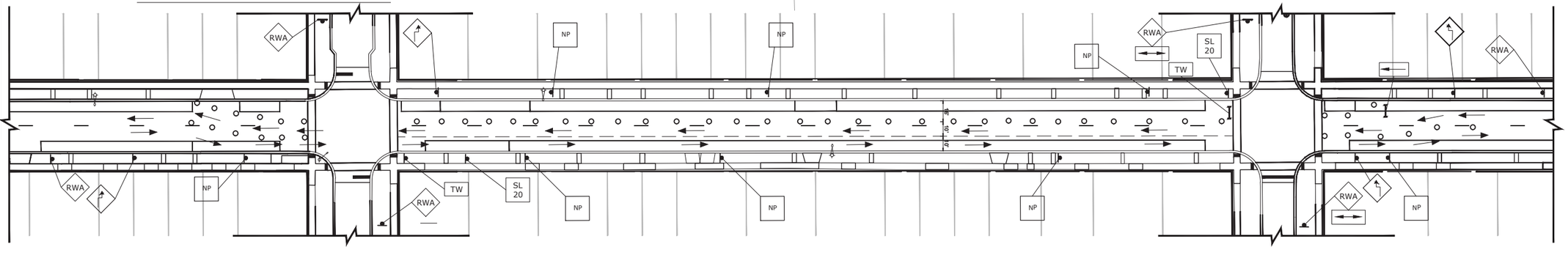
STAGE 1B CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF INSTALLATION OF PROPOSED WATER MAIN, INSTALLATION OF FIRE HYDRANTS, AND PRESSURE TESTING AND CHLORINATION.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701006-05, 701011-04, 701301-04, AND 701502-09 (CASE II) SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. STAGE 1B WILL BEGIN AT MONROE AVE (ZONE 4), AND CONTINUE SOUTH TO ZONE 6 TOWARDS BROOKFIELD AVENUE.
5. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING THE PREPERATION, REMOVAL, AND INSTALLATION OF UTILITY IMPROVEMENTS UNLESS OTHERWISE NOTED.
6. DRIVEWAYS TO REMAIN OPEN THROUGHOUT THE CONSTRUCTION OF THIS STAGE UNLESS A DRIVEWAY IS DISTURBED BY A UTILITY CROSSING. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 24 HOURS BEFORE ACCESS IS DISTURBED.
7. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
8. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
9. STAGE 1B WILL BE CONSTRUCTED IN INCREMENTS AS THE WORK ZONE MOVES. LANE SHIFTS, TAPERS, NO PARKING SIGNS AND ADDITIONAL ROAD CONSTRUCTION SIGNS TO BE MOVED AS CONSTRUCTION OPERATION MOVES DAILY. CONTRACTOR TO NOTIFY RESIDENTS 24 HOURS BEFORE NO PARKING SIGNS ARE POSTED.
10. WITHIN 48 HOURS OF ALL WORK ASSOCIATED WITH STAGE 1B BEING COMPLETED, THE CONTRACTOR SHALL INSTALL A TEMPORARY HMA PATCH ON ANY UTILITY TRENCHES AS DIRECTED BY THE ENGINEER. INSTALLATION AND REMOVAL OF PATCH TO BE PAID UNDER PAY ITEM X4420210 TEMPORARY PATCHING.
11. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 35 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 35 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.



TYPICAL SECTION DURING CONSTRUCTION STAGE 1B
(PRAIRIE AVENUE)

STAGE 1B
TYP. FOR PRAIRIE AVE FROM GRANT AVE TO MONROE AVE



DESIGNED -	IL	REVISED -	
DRAWN -	AJ, DMM, SA, JCR	REVISED -	
CHECKED -	---	REVISED -	
DATE -	9-3-26	REVISED -	

HANCOCK ENGINEERING
CIVIL Engineers. Municipal Consultants. Established 1911
7109 Roosevelt Road, Westchester, IL 60154-2782
Phone: 708-345-0900
www.ahancock.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 1A & 1B

SCALE: 1" = 40' | SHEET NO. 1 OF 8 SHEETS | STA. 0+00 | TO STA. 19+00

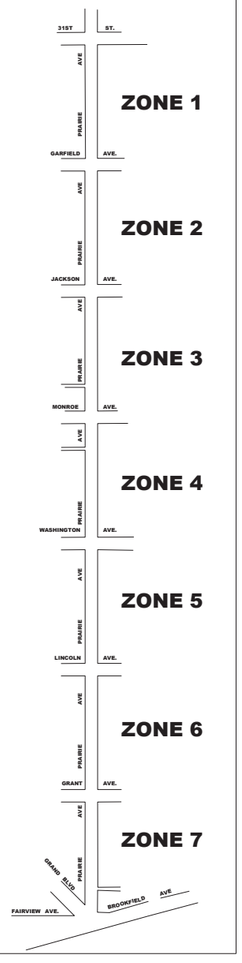
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	33
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

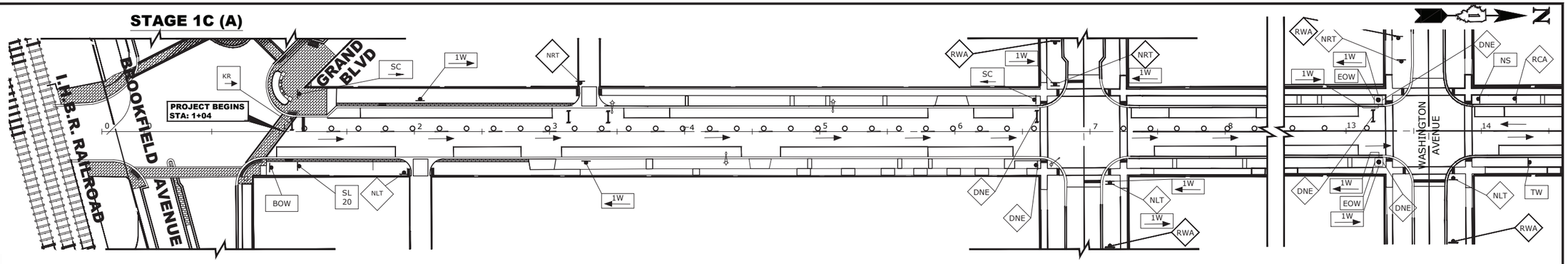
Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:15am

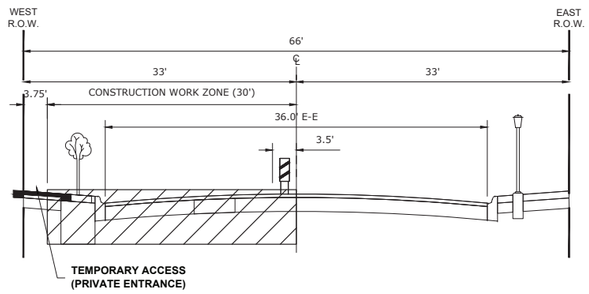
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



STAGE 1C (A)





TYPICAL SECTION DURING STAGE 1C(A) CONSTRUCTION

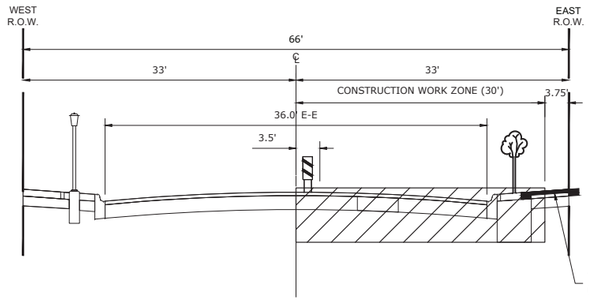
(PRAIRIE AVENUE)

STAGE 1C (A) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL INCLUDE WATER MAIN INSTALLATION, PRESSURE TESTING AND CHLORINATION, WATER SERVICES, AND INSTALLATION OF UNDERDRAIN PIPE AND STRUCTURAL SOIL.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701301-04, 701501-06, AND THE DETOUR PLAN SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. ONE-WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY BUSINESSES/RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. BUSINESSES ON EITHER SIDE OF THE STREET ARE TO REMAIN ACCESSIBLE AT ALL TIMES TRHOUGH THE USE OF 40201000 AGGREGATE FOR TEMPORARY ACCESS, X4021000 TEMPORARY ACESS (PRIVATE ENTRANCE), AND X4420210 TEMPORARY PATCHING AS DIRECTED BY THE ENGINEER.
7. WITHIN 48 HOURS OF ALL WORK ASSOCIATED WITH STAGE 1C(A) BEING COMPLETED, THE CONTRACTOR SHALL INSTALL A TEMPORARY HMA PATCH ON ANY UTILITY TRENCHES AS DIRECTED BY THE ENGINEER. INSTALLATION AND REMOVAL OF PATCH TO BE PAID UNDER PAY ITEM X4420210 TEMPORARY PATCHING.
8. DURING STAGE 1C(A), THE CONTRACTOR WILL HAVE FULL ACCESS TO THE PAVEMENT IN ZONE 7 FOR PERFORMING CONSTRUCTION ACTIVITIES EACH DAY FROM 6:30AM-4:30PM. BY 4:30PM EACH DAY, THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING THE WORK ZONE AND TRAFFIC CONTROL FOR PEDESTRIAN ACCESS.
9. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 25 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 25 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.

STAGE 1C (B) CONSTRUCTION

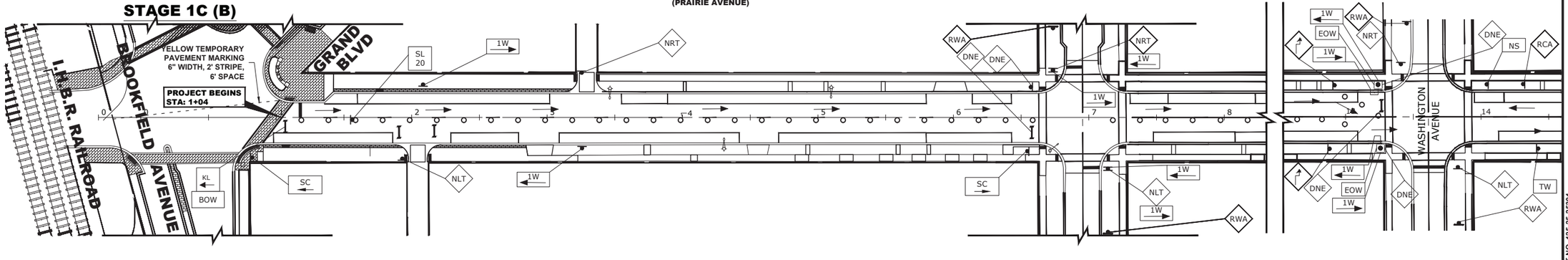
1. WORK DURING THIS STAGE SHALL INCLUDE WATER MAIN INSTALLATION, PRESSURE TESTING AND CHLORINATION, WATER SERVICES, AND INSTALLATION OF UNDERDRAIN PIPE AND STRUCTURAL SOIL.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701301-04, 701501-06, AND THE DETOUR PLAN SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. ONE-WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY BUSINESSES/RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. BUSINESSES ON EITHER SIDE OF THE STREET ARE TO REMAIN ACCESSIBLE AT ALL TIMES TRHOUGH THE USE OF 40201000 AGGREGATE FOR TEMPORARY ACCESS, X4021000 TEMPORARY ACESS (PRIVATE ENTRANCE), AND X4420210 TEMPORARY PATCHING AS DIRECTED BY THE ENGINEER.
7. WITHIN 48 HOURS OF ALL WORK ASSOCIATED WITH STAGE 1C(B) BEING COMPLETED, THE CONTRACTOR SHALL INSTALL A TEMPORARY HMA PATCH ON ANY UTILITY TRENCHES AS DIRECTED BY THE ENGINEER. INSTALLATION AND REMOVAL OF PATCH TO BE PAID UNDER PAY ITEM X4420210 TEMPORARY PATCHING.
8. DURING STAGE 1C(A), THE CONTRACTOR WILL HAVE FULL ACCESS TO THE PAVEMENT IN ZONE 7 FOR PERFORMING CONSTRUCTION ACTIVITIES EACH DAY FROM 6:30AM-4:30PM. BY 4:30PM EACH DAY, THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING THE WORK ZONE AND TRAFFIC CONTROL FOR PEDESTRIAN ACCESS.
9. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 25 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 25 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.



TYPICAL SECTION DURING STAGE 1C (B) CONSTRUCTION

(PRAIRIE AVENUE)

STAGE 1C (B)



HANCOCK ENGINEERING	CMI Engineers. Municipal Consultants. Established 1911	7788 Roosevelt Road, Westchester, IL 60154-2782 Phone: 708-865-0900 www.ahancock.com	DESIGNED - IL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MOT STAGE 1C(A) & 1C(B)					
			DRAWN - AJ, DMM, SA, JCR	REVISED -							
			CHECKED - ---	REVISED -							
			DATE - 9-3-26	REVISED -		SCALE: 1" = 40'	SHEET NO. 2 OF 8 SHEETS	STA. 0+00	TO STA. 9+00		

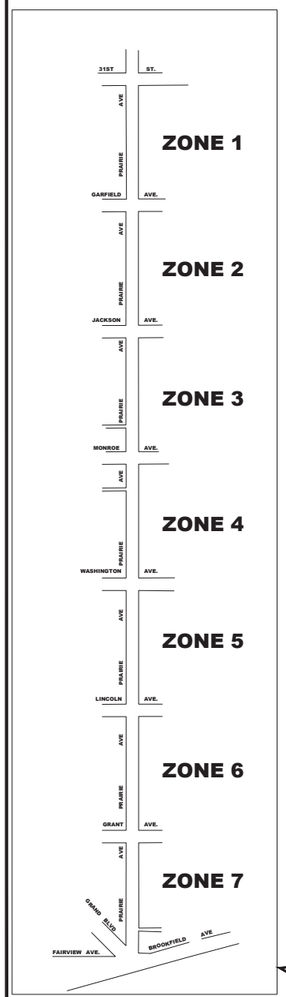
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	34
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave imputs_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:15am

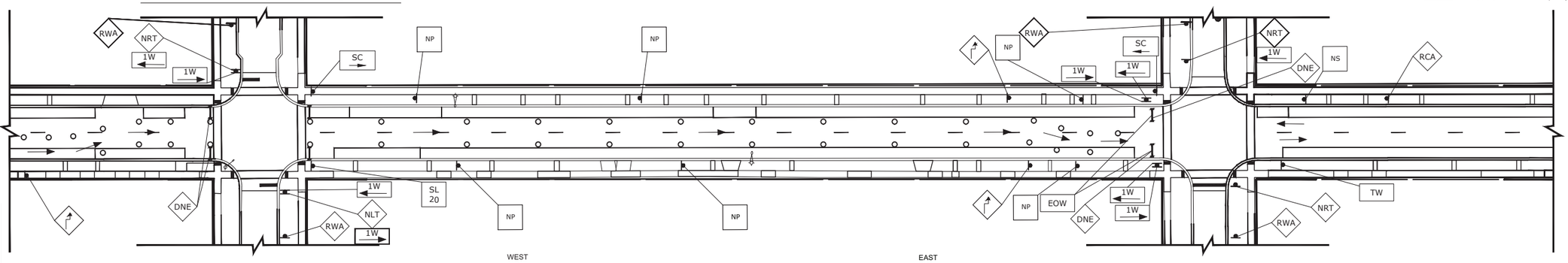
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



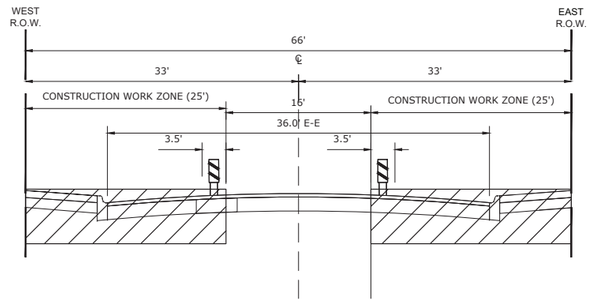
ZONE MAP

STAGE 1D
TYP. FOR PRAIRIE AVE FROM GRANT AVE TO MONROE AVE

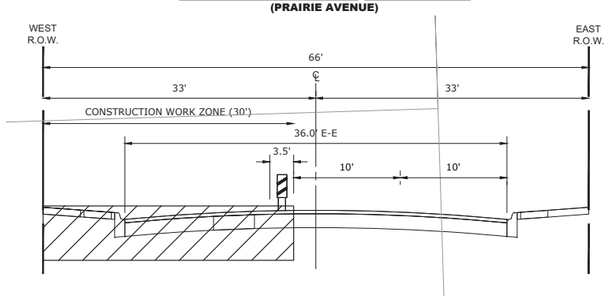


STAGE 1D CONSTRUCTION

1. WORK DURING THIS STAGE SHALL INCLUDE WATER SERVICES VIA OPEN CUT AND DIRECTIONAL BORING FROM ZONE 4 TO ZONE 6.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701301-04, 701501-06, AND THE DETOUR PLAN SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. ONE-WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. WORK SHALL ONLY OCCUR ON ONE SIDE OF THE STREET AT A TIME.
7. WITHIN 48 HOURS OF ALL WORK ASSOCIATED WITH STAGE 1D BEING COMPLETED, THE CONTRACTOR SHALL INSTALL A TEMPORARY HMA PATCH ON ANY UTILITY TRENCHES AS DIRECTED BY THE ENGINEER. INSTALLATION AND REMOVAL OF PATCH TO BE PAID UNDER PAY ITEM X4420210 TEMPORARY PATCHING.
8. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 25 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 25 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.



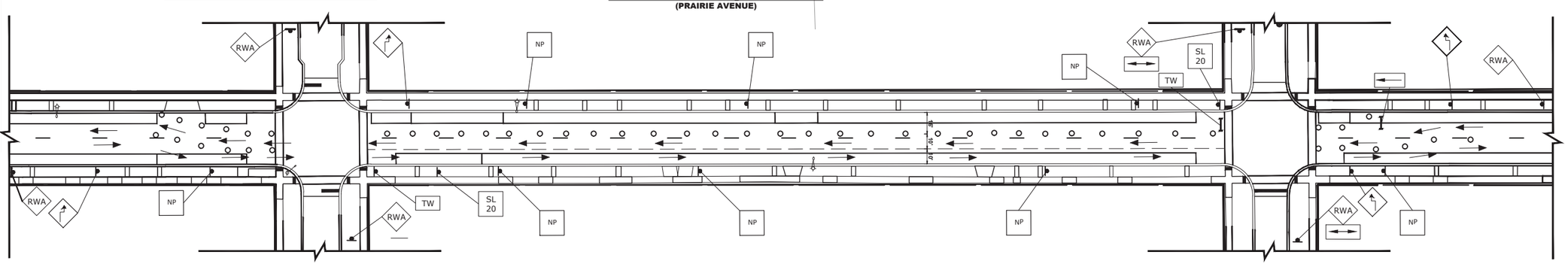
TYPICAL SECTION DURING CONSTRUCTION STAGE 1D
(PRAIRIE AVENUE)



STAGE 1E CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF WATER MAIN CONNECTIONS AND DISCONNECTIONS.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701006-05, 701011-04, AND 701301-04, SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING THE PREPERATION, REMOVAL, AND INSTALLATION OF UTILITY IMPROVEMENTS UNLESS OTHERWISE NOTED.
5. DRIVEWAYS TO REMAIN OPEN THROUGHOUT THE CONSTRUCTION OF THIS STAGE UNLESS A DRIVEWAY IS DISTURBED BY A UTILITY CROSSING. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 24 HOURS BEFORE ACCESS IS DISTURBED.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
8. WITHIN 48 HOURS OF ALL WORK ASSOCIATED WITH STAGE 1E BEING COMPLETED, THE CONTRACTOR SHALL INSTALL A TEMPORARY HMA PATCH ON ANY UTILITY TRENCHES AS DIRECTED BY THE ENGINEER. INSTALLATION AND REMOVAL OF PATCH TO BE PAID UNDER PAY ITEM X4420210 TEMPORARY PATCHING.
9. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 5 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 5 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.

STAGE 1E
TYP. FOR PRAIRIE AVE FROM GRANT AVE TO 31ST ST



TYPICAL SECTION DURING CONSTRUCTION STAGE 1E
(PRAIRIE AVENUE)

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL, 60154-2582
Phone: 708-345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 1D & 1E

SCALE: 1" = 40' | SHEET NO. 3 OF 8 SHEETS | STA. 0+00 | TO STA. 19+00

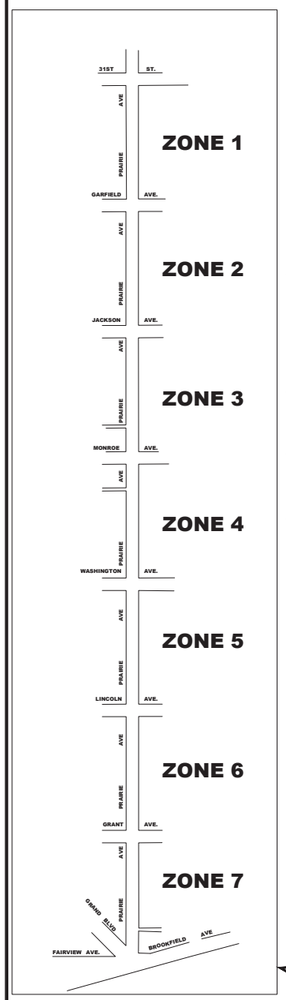
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	35
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:15am

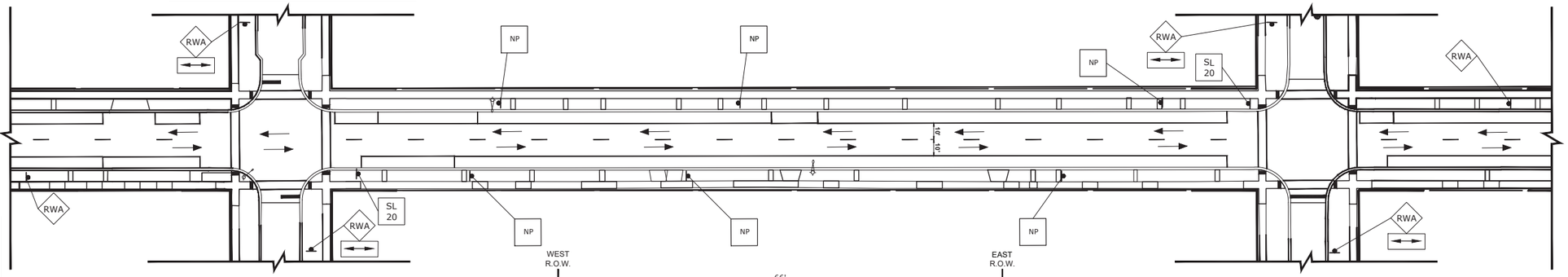
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



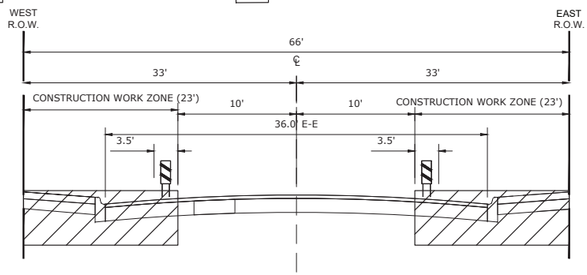
ZONE MAP

STAGE 2A
TYP. FOR PRAIRIE AVE FROM MONROE AVE TO 31ST ST

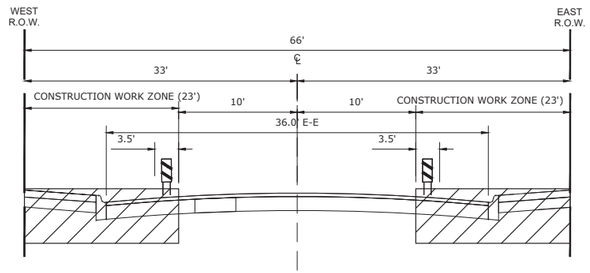


STAGE 2A CONSTRUCTION

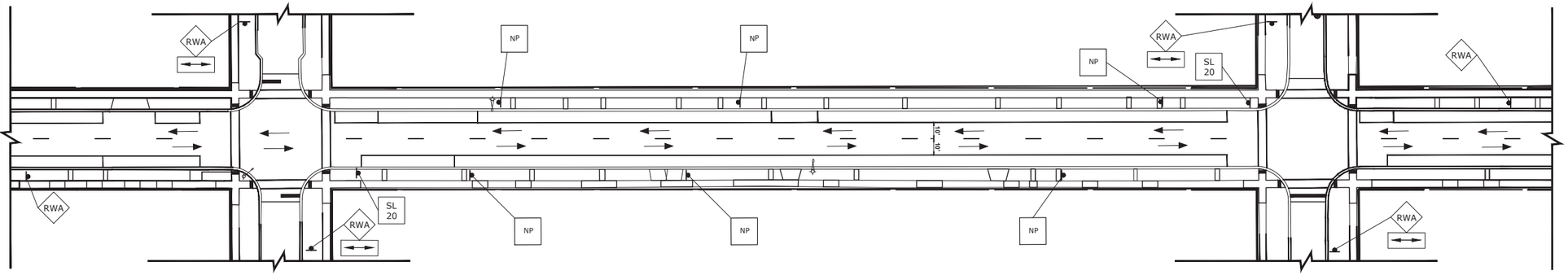
1. WORK DURING THIS STAGE SHALL CONSIST OF REMOVAL AND REPLACEMENT OF SECTIONS OF CURB AND GUTTER, SIDEWALK, DRIVEWAY APRONS, CONCRETE BASE COURSE AND CONCRETE PAVEMENT, AND STRUCTURE ADJUSTMENTS WITHIN THE CURB LINE FROM ZONE 1 TO ZONE 3.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701006-05, 701011-04, AND 701301-04, SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING THE PREPERATION, REMOVAL, AND INSTALLATION OF UTILITY IMPROVEMENTS UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 48 HOURS BEFORE ACCESS IS DISTURBED.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
7. WORK SHALL ONLY OCCUR ON ONE SIDE OF THE STREET AT A TIME.
8. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 25 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 25 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.



TYPICAL SECTION DURING CONSTRUCTION STAGE 2A
(PRAIRIE AVENUE)



STAGE 2B
TYP. FOR PRAIRIE AVE FROM GRANT AVE TO WASHINGTON BLVD



TYPICAL SECTION DURING CONSTRUCTION STAGE 2B
(PRAIRIE AVENUE)

STAGE 2B CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF REMOVAL OF EXISTING LIGHT POLES, HANDHOLES, AND CABINETS, INSTALLATION OF PROPOSED LIGHTING CONTROLLER, CONDUIT, HANDHOLES, LIGHT POLE FOUNDATIONS, DECORATIVE PEDESTRIAN AND ROADWAY POLES, AND OTHER RELATED WORK FROM ZONE 7 TO ZONE 5.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701006-05, 701011-04, AND 701301-04, SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING THE PREPERATION, REMOVAL, UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 48 HOURS BEFORE ACCESS IS DISTURBED.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
7. WORK SHALL ONLY OCCUR ON ONE SIDE OF THE STREET AT A TIME.
8. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 30 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 30 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
9708 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -	
DRAWN -	AJ, DMM, SA, JCR	REVISED -	
CHECKED -	---	REVISED -	
DATE -	9-3-26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 2A & 2B

SCALE: 1" = 40' | SHEET NO. 4 OF 8 SHEETS | STA. 0+00 | TO STA. 19+00

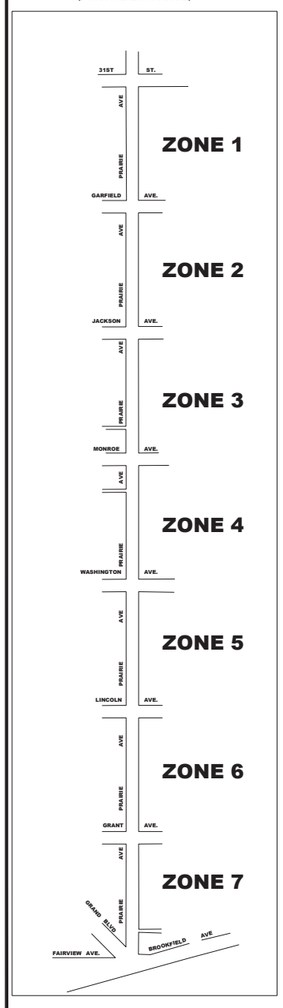
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	36
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

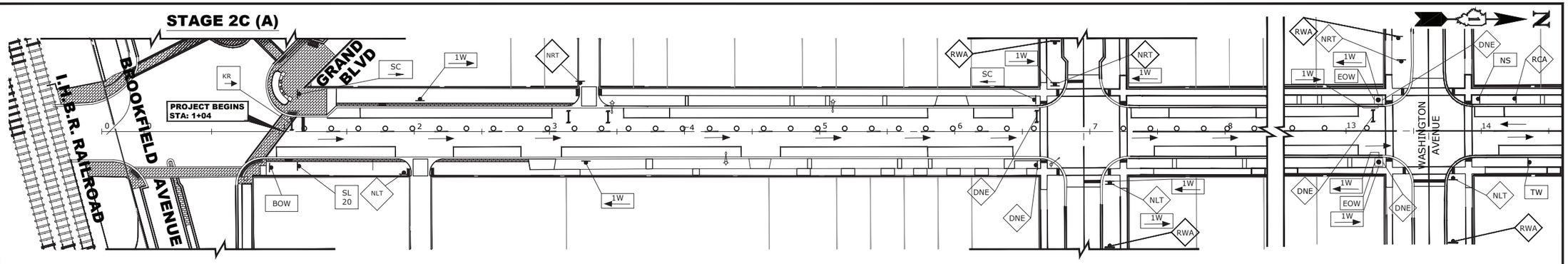
Drawing file: W:\Projects_by_Village\Brookfield\125252253 - Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Impvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:16am

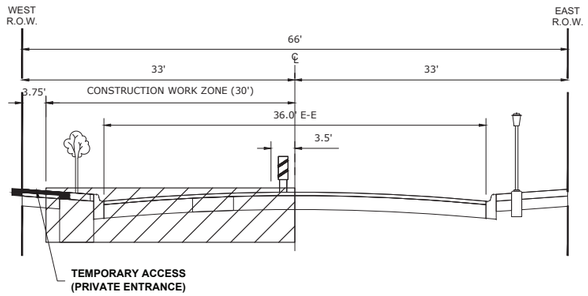
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



STAGE 2C (A)





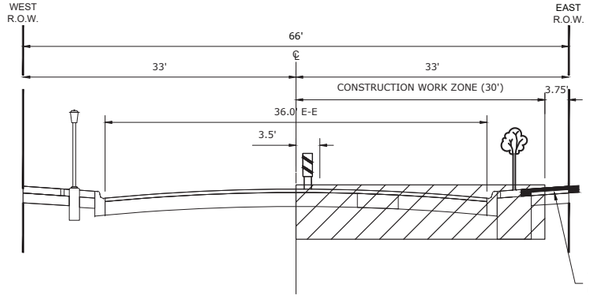
TYPICAL SECTION DURING STAGE 2C(A) CONSTRUCTION
(PRAIRIE AVENUE)

STAGE 2C (A) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL INCLUDE REMOVAL AND REPLACEMENT OF CURB AND GUTTER, SIDEWALK, DRIVEWAY APRONS, CONCRETE PAVEMENT, STRUCTURE ADJUSTMENTS WITHIN THE CURB LINE, AND INSTALLATION OF CONCRETE BASE COURSE, BRICK PAVER SIDEWALK, AND TREE GRATES.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701301-04, 701501-06, AND THE DETOUR PLAN SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. ONE-WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY BUSINESSES/RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. BUSINESSES ON EITHER SIDE OF THE STREET ARE TO REMAIN ACCESSIBLE AT ALL TIMES THROUGH THE USE OF 40201000 AGGREGATE FOR TEMPORARY ACCESS, X4021000 TEMPORARY ACESS (PRIVATE ENTRANCE), AND X4420210 TEMPORARY PATCHING AS DIRECTED BY THE ENGINEER.
7. DURING STAGE 2C(A), THE CONTRACTOR WILL HAVE FULL ACCESS TO THE PAVEMENT IN ZONE 7 FOR PERFORMING CONSTRUCTION ACTIVITIES EACH DAY FROM 6:30AM-4:30PM. BY 4:30PM EACH DAY, THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING THE WORK ZONE AND TRAFFIC CONTROL FOR PEDESTRIAN ACCESS.
8. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 35 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 35 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.

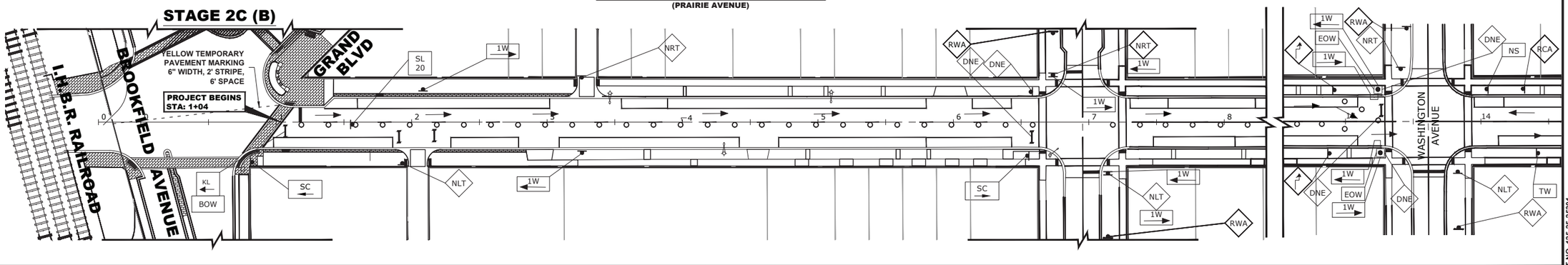
STAGE 2C (B) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL INCLUDE REMOVAL AND REPLACEMENT OF CURB AND GUTTER, SIDEWALK, DRIVEWAY APRONS, CONCRETE PAVEMENT, STRUCTURE ADJUSTMENTS WITHIN THE CURB LINE, AND INSTALLATION OF CONCRETE BASE COURSE, BRICK PAVER SIDEWALK, AND TREE GRATES.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701301-04, 701501-06, AND THE DETOUR PLAN SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. ONE-WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY BUSINESSES/RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. BUSINESSES ON EITHER SIDE OF THE STREET ARE TO REMAIN ACCESSIBLE AT ALL TIMES TRHOUGH THE USE OF 40201000 AGGREGATE FOR TEMPORARY ACCESS, X4021000 TEMPORARY ACESS (PRIVATE ENTRANCE), AND X4420210 TEMPORARY PATCHING AS DIRECTED BY THE ENGINEER.
7. DURING STAGE 2C(B), THE CONTRACTOR WILL HAVE FULL ACCESS TO THE PAVEMENT IN ZONE 7 FOR PERFORMING CONSTRUCTION ACTIVITIES EACH DAY FROM 6:30AM-4:30PM. BY 4:30PM EACH DAY, THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING THE WORK ZONE AND TRAFFIC CONTROL FOR PEDESTRIAN ACCESS.
8. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 35 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 35 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.



TYPICAL SECTION DURING STAGE 2C (B) CONSTRUCTION
(PRAIRIE AVENUE)

STAGE 2C (B)



HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7788 Roosevelt Road, Westchester, IL 60154-2782
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 2C(A) & 2C(B)

SCALE: 1" = 40' | SHEET NO. 5 OF 8 SHEETS | STA. 0+00 | TO STA. 9+00

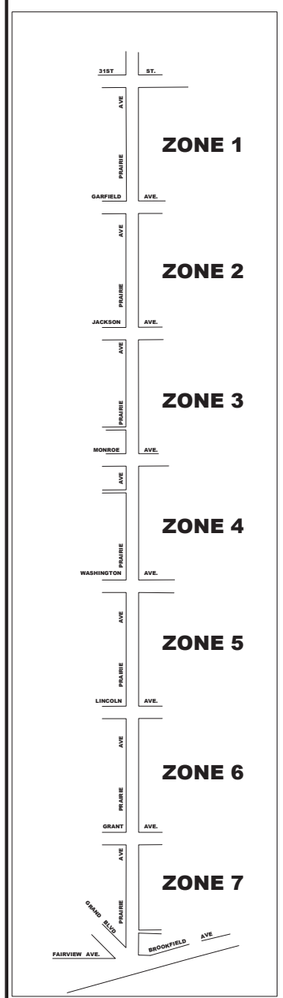
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	37
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave imputs_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:16am

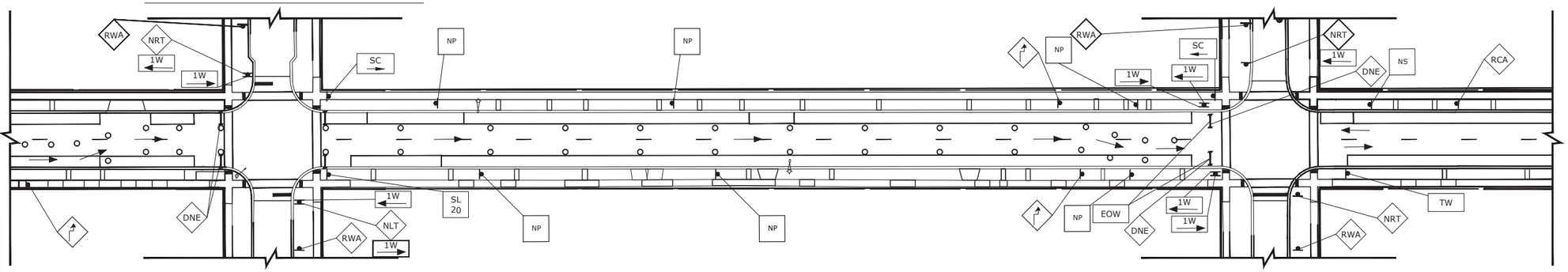
LEGEND

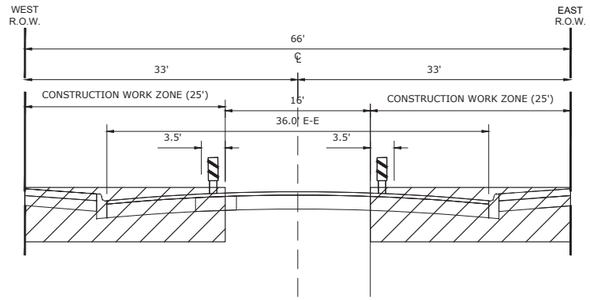
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



ZONE MAP

STAGE 2D
TYP. FOR PRAIRIE AVE FROM BROOKFIELD AVE TO 31ST ST





TYPICAL SECTION DURING CONSTRUCTION STAGE 2D
(PRAIRIE AVENUE)

STAGE 2D CONSTRUCTION

1. WORK DURING THIS STAGE SHALL INCLUDE REMOVAL AND REPLACEMENT OF SECTIONS OF CURB AND GUTTER, SIDEWALK, DRIVEWAY APRONS, AND CONCRETE PAVEMENT AND STRUCTURE ADJUSTMENTS WITHIN THE CURB LINE FROM ZONE 4 TO ZONE 6.
2. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT. ALL TRENCHES MUST BE BACKFILLED AT THE END OF THE DAY.
3. IDOT STANDARD 701301-04, 701501-06, AND THE DETOUR PLAN SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
4. ONE-WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. WORK SHALL ONLY OCCUR ON ONE SIDE OF THE STREET AT A TIME.
7. ONCE THE CONTRACTOR STARTS REMOVALS FOR ANY PORTION OF THIS STAGE, THE IMPROVEMENTS AND RESTORATION WORK SHALL BE COMPLETED WITHIN 25 CALENDAR DAYS. LIQUIDATED DAMAGES TO APPLY AT THE END OF 25 CALENDAR DAYS FROM START OF REMOVAL IF THE IMPROVEMENTS AND RESTORATION HAVE NOT BEEN COMPLETED.

Drawing file: w:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:16am

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0602
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 2D

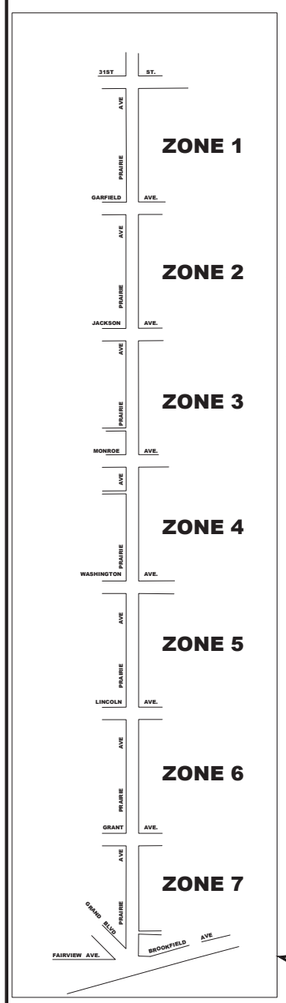
SCALE: 1" = 40' | SHEET NO. 6 OF 8 SHEETS | STA. 0+00 | TO STA. 19+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	38
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

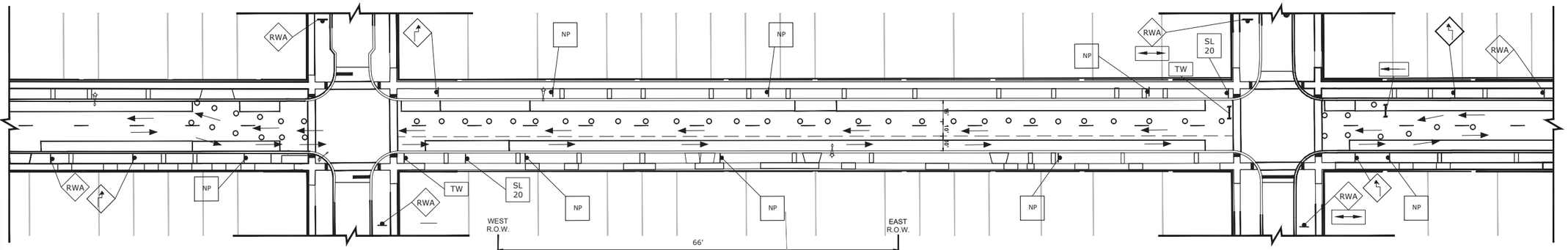
LEGEND

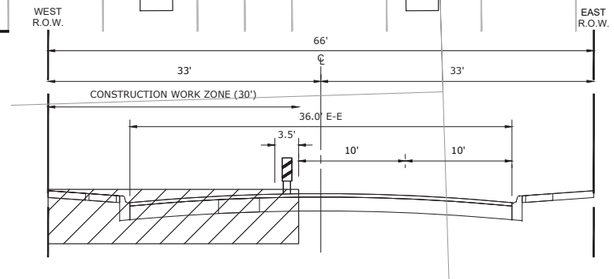
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



ZONE MAP

STAGE 3A(A)
TYP. FOR PRAIRIE AVE FROM BROOKFIELD AVE TO 31ST ST

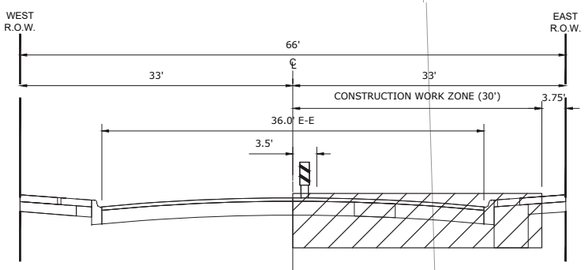




STAGE 3A(A) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF MILLING OF THE EXISTING PAVEMENT, PAVEMENT PATCHING AS NEEDED, AND INSTALLATION OF HMA BINDER COURSE.
2. IDOT STANDARD 701006-05, 701011-04, 701301-04 AND 701501-09 SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
3. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE NOTED.
4. DRIVEWAYS TO REMAIN OPEN THROUGHOUT THE CONSTRUCTION OF THIS STAGE UNLESS A DRIVEWAY IS DISTURBED BY PAVING OPERATIONS. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 24 HOURS BEFORE ACCESS IS DISTURBED.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. ONCE THE MILLING HAS STARTED, THE CONTRACTOR SHALL INSTALL THE HMA BINDER COURSE WITHIN 7 CALENDAR DAYS. IF THE ENGINEER HAS DETERMINED THAT PAVEMENT PATCHING IS REQUIRED, THE CONTRACTOR WILL HAVE AN ADDITIONAL 7 CALENDAR DAYS FOR A TOTAL OF 14 CALENDAR DAYS FROM PAVEMENT MILLING TO REMOVE AND REPLACE THE PAVEMENT AND INSTALL THE HMA BINDER COURSE.

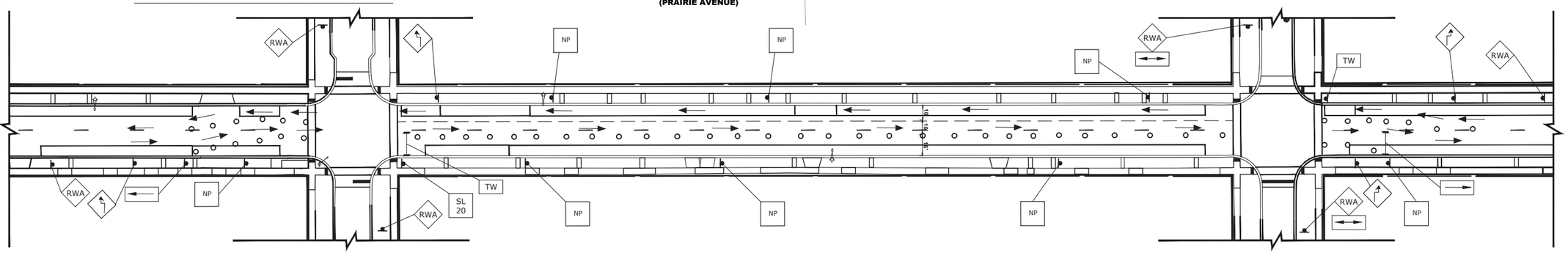
TYPICAL SECTION DURING CONSTRUCTION STAGE 3A(A)
(PRAIRIE AVENUE)



STAGE 3A(B) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF ADJUSTEMENT OF STRUCTURES WITHIN THE PAVEMENT, INSTALLATION OF HMA SURFACE COURSE, AND INSTALLATION OF PAVEMENT MARKINGS.
2. IDOT STANDARD 701006-05, 701011-04, 701301-04, AND 701501-09 SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
3. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE NOTED.
4. DRIVEWAYS TO REMAIN OPEN THROUGHOUT THE CONSTRUCTION OF THIS STAGE UNLESS A DRIVEWAY IS DISTURBED BY PAVING OPERATIONS. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 24 HOURS BEFORE ACCESS IS DISTURBED.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. ONCE THE HMA SURFACE COURSE HAS BEEN COMPLETED IN ANY AREA, THE PAVEMENT MARKINGS SHALL BE INSTALLED WITHIN 7 CALENDAR DAYS.

STAGE 3A(B)
TYP. FOR PRAIRIE AVE FROM BROOKFIELD AVE TO 31ST ST



TYPICAL SECTION DURING CONSTRUCTION STAGE 3A(B)
(PRAIRIE AVENUE)

HANCOCK ENGINEERING
CVL Engineers
Municipal Consultants
Established 1911
100th Years of Engineering
7108 Roosevelt Road
Westchester, IL 60154-2702
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 3A(A) & 3A(B)

SCALE: 1" = 40' | SHEET NO. 7 OF 8 SHEETS | STA. 0+00 | TO STA. 19+00

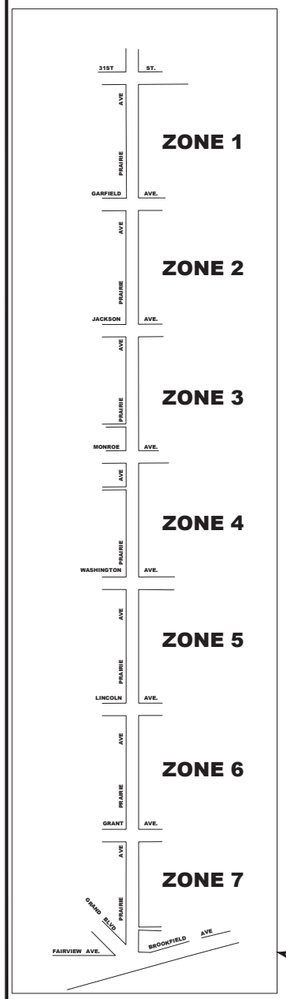
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	39
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 – Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Impvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 – 9:17am

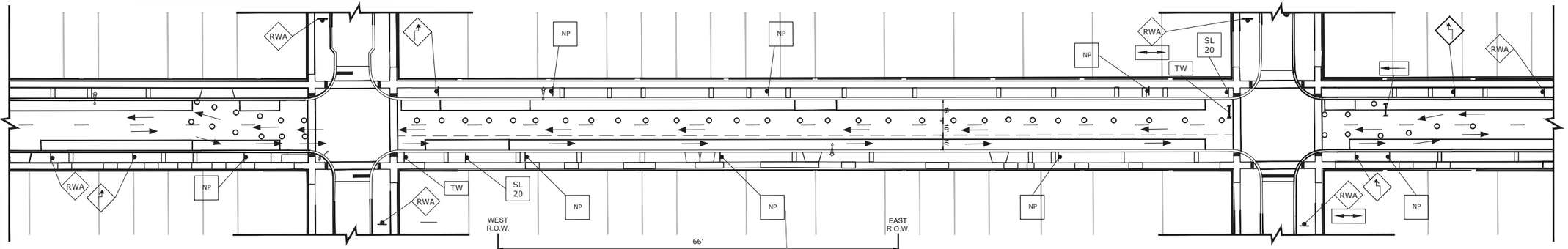
LEGEND

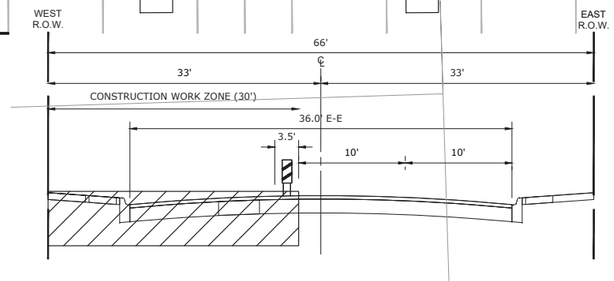
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM IN TYPICAL CROSS SECTION (SIDEWALK CLOSURES NEED TO USE DETECTABLE PEDESTRIAN BARRICADES)
- DETECTABLE PEDESTRIAN BARRICADE
- TEMPORARY ACCESS (PRIVATE ENTRANCE)



ZONE MAP

STAGE 3B(A) TYP. FOR PRAIRIE AVE FROM BROOKFIELD AVE TO 31ST ST



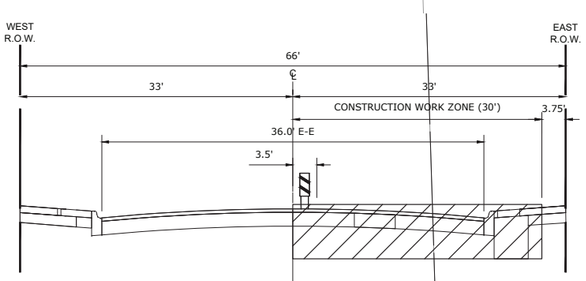


STAGE 3B(A) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF MILLING OF THE EXISTING PAVEMENT, PAVEMENT PATCHING AS NEEDED, AND INSTALLATION OF HMA BINDER COURSE.
2. IDOT STANDARD 701006-05, 701011-04, 701301-04 AND 701501-09 SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
3. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE NOTED.
4. DRIVEWAYS TO REMAIN OPEN THROUGHOUT THE CONSTRUCTION OF THIS STAGE UNLESS A DRIVEWAY IS DISTURBED BY PAVING OPERATIONS. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 24 HOURS BEFORE ACCESS IS DISTURBED.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. ONCE THE MILLING HAS STARTED, THE CONTRACTOR SHALL INSTALL THE HMA BINDER COURSE WITHIN 7 CALENDAR DAYS. IF THE ENGINEER HAS DETERMINED THAT PAVEMENT PATCHING IS REQUIRED, THE CONTRACTOR WILL HAVE AN ADDITIONAL 7 CALENDAR DAYS FOR A TOTAL OF 14 CALENDAR DAYS FROM PAVEMENT MILLING TO REMOVE AND REPLACE THE PAVEMENT AND INSTALL THE HMA BINDER COURSE.

TYPICAL SECTION DURING CONSTRUCTION STAGE 3B(A)

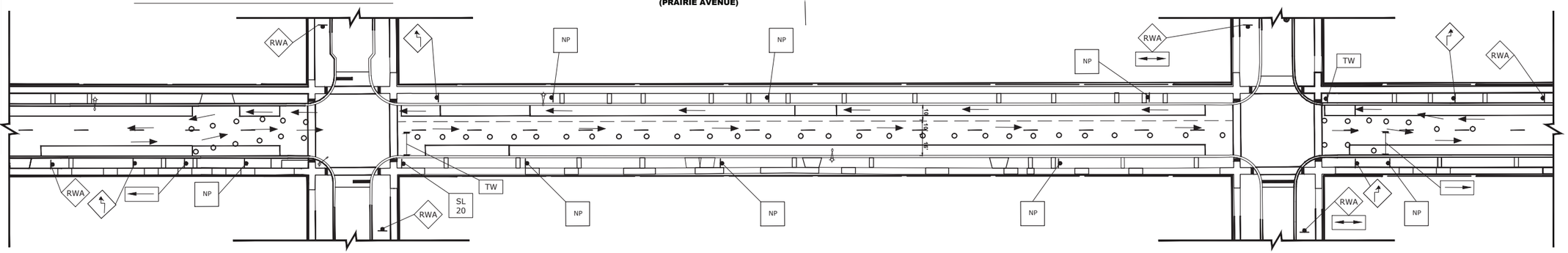
(PRAIRIE AVENUE)



STAGE 3B(B) CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF ADJUSTEMENT OF STRUCTURES WITHIN THE PAVEMENT, INSTALLATION OF HMA SURFACE COURSE, AND INSTALLATION OF PAVEMENT MARKINGS.
2. IDOT STANDARD 701006-05, 701011-04, 701301-04, AND 701501-09 SHALL BE USED AS APPLICABLE TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR COMPLETING THE PROPOSED WORK.
3. INTERSECTIONS TO REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE NOTED.
4. DRIVEWAYS TO REMAIN OPEN THROUGHOUT THE CONSTRUCTION OF THIS STAGE UNLESS A DRIVEWAY IS DISTURBED BY PAVING OPERATIONS. CONTRACTOR TO NOTIFY ENGINEER 48 HOURS BEFORE ANY DRIVEWAYS ARE DISTURBED TO PERFORM CONSTRUCTION WORK. CONTRACTOR TO NOTIFY RESIDENT 24 HOURS BEFORE ACCESS IS DISTURBED.
5. NO PARKING SIGNS WILL BE POSTED IN THE AREA OF WORK 24 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY RESIDENTS AFFECTED 48 HOURS IN ADVANCE.
6. TWO WAY TRAFFIC ON PRAIRIE AVENUE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THIS STAGE.
7. ONCE THE HMA SURFACE COURSE HAS BEEN COMPLETED IN ANY AREA, THE PAVEMENT MARKINGS SHALL BE INSTALLED WITHIN 7 CALENDAR DAYS.

STAGE 3B(B) TYP. FOR PRAIRIE AVE FROM BROOKFIELD AVE TO 31ST ST



TYPICAL SECTION DURING CONSTRUCTION STAGE 3B(B)

(PRAIRIE AVENUE)

HANCOCK ENGINEERING
CIVil Engineers
Municipal Consultants
Established 1911
100th Years of Engineering
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0800
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT STAGE 3B(A) & 3B(B)

SCALE: 1" = 40' | SHEET NO. 8 OF 8 SHEETS | STA. 0+00 | TO STA. 19+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	40
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 – Prairie Ave Improvements (IAFO) Phase 1\SITE\Prairie Ave Impvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 – 9:17am



TYPE III BARRICADE

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION	CODE & SIZE
1	ROAD CLOSED AHEAD	W20-3 48"x48"
1A	ROAD CLOSED 500 FT	W20-3 48"x48"
2	DETOUR AHEAD	W20-2 48"x48"
3	ROAD CONSTRUCTION AHEAD	W20-I103 48"x48"
4	NORTH	M3-1P(O) 24"X12"
5	SOUTH	M3-3P(O) 24"X12"
6	DETOUR	M4-8 24"X12"
7	END DETOUR	M4-8 24"x12"
8	DETOUR ↑	M4-9 30"x24"
9	DETOUR →	M4-9R 30"x24"
10	DETOUR ←	M4-9L 30"x24"
11	DETOUR ↱	M4-9R 24"x30"
12	DETOUR ↰	M4-9L 24"x30"
13	ROAD CLOSED	R11-4 60"x30"
14	ROAD CLOSED TO THRU TRAFFIC	R11-4 60"x30"
15	Prairie Avenue	D3-1 36"X12"
16	DETOUR ↰	M4-9M 30"X24"
←	DIRECTION OF TRAVEL	N/A
	DETOUR LOCATION	N/A
	CONSTRUCTION LOCATION	N/A

N O T E S :

1. ALL LOCAL DETOURS SHALL BE APPROVED BY THE ENGINEER AT LEAST 48 HOURS PRIOR TO INSTALLATION.
2. PRAIRIE AVENUE TO BE DETOURED.
3. TEMPORARY ACCESS TO INTERSECTIONS AND RESIDENTIAL DRIVEWAYS TO BE MAINTAINED AT ALL TIMES UNLESS DIRECTLY IMPACTED BY CONSTRUCTON
4. ONE-WAY TRAFFIC TO BE MAINTAINED AT ALL TIMES ON PRAIRIE AVENUE.
5. DETOUR SIGNAGE SHALL BE CONSIDERED INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) EXCEPT AS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.
7. SEE DETAIL TC-21 FOR TYPICAL SIGN SPACING.
8. A MINIMUM OF 14 DAYS IN ADVANCE OF THE START OF THE PROJECT, THE CONTRACTOR SHALL PLACE 1 INFORMATION SIGN AT EACH END OF THE PROJECT AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER. THIS SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ADDITIONALLY, CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT EACH END OF ANY ROAD CLOSURES 7 DAYS IN ADVANCE OF WHEN THE CLOSURE WILL TAKE PLACE.
9. ALL DETOUR SIGNAGE TO BE BAGGED OR COVERED WHEN NOT IN USE.

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0602
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN, 1C-1E, 2C & 2D

SCALE: 1" = 40' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	41
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: w:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale_MAINT_OF_TRAFFIC.dwg Sep 04, 2026 - 9:17am

STORM WATER POLLUTION PREVENTION PLAN EROSION AND SEDIMENT CONTROLS

NARRATIVE DESCRIPTION OF EXISTING CONDITIONS AND PROPOSED DEVELOPMENT

THE PROJECT WILL COMPLY WITH THE APPLICABLE SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS OF ALL CITY ORDINANCES AND THE IEPA NPDES. THE EXISTING SITE IS PRIMARILY AN IMPERVIOUS R.O.W. SOILS ARE PRIMARILY SILTY CLAY AND ARE DESIGNATED AS TYPE 533 ON THE NRCS REPORT. THE SOILS AFTER DEVELOPMENT WILL REMAIN THE SAME. THE SITE IS NOT WITHIN THE FLOOD PROTECTION AREA OR FLOOD ZONE. ALL STORM WATER WILL BE DISCHARGED TO THE EXISTING CITY STORM SEWER ALONG WASHINGTON BOULEVARD.

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION (WHERE APPLICABLE):

A) AT LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, INLET PROTECTION SHALL BE INSTALLED AROUND EXISTING INLETS OR CATCH BASINS.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION (WHERE APPLICABLE):

1) DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION AREA AS OUTLINED PREVIOUSLY SHALL BE PROTECTED FROM DAMAGE EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER), PARKING VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

A) WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

B) AS THE CONTRACTOR CONSTRUCTS THE UNDERGROUND IMPROVEMENTS, THEY SHALL ADHERE TO THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:

I. PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND ENTERS THE CONSTRUCTION ZONE.

C) THE CONTRACTOR SHALL IMMEDIATELY FOLLOW MAJOR EARTH MOVING OPERATIONS WITH FINAL GRADING EQUIPMENT. AFTER MAJOR EARTH SPREAD OPERATION HAS MOVED TO A NEW LOCATION, FINAL GRADING SHALL BE COMPLETED WITHIN FOURTEEN DAYS. IF GRADING IS NOT COMPLETED WITHIN FOURTEEN DAYS, ALL MAJOR EARTH MOVING OPERATIONS WILL BE STOPPED, AS DIRECTED BY THE ENGINEER, UNTIL DISTRIBUTED AREAS ARE FINAL GRADED AND SEEDED.

D) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED AS STATED IN THE SPECIAL PROVISION "TEMPORARY EROSION CONTROL SEEDING".

E) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

F) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING ACTIVITIES AND WEEKLY OR AFTER LARGE RAINS DURING THE WINTER SHUTDOWN PERIOD. THIS PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BIWEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER CONTROL WORK IS NECESSARY.

G) SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEM SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF MAINTENANCE IS INCIDENTAL TO THE CONTRACT.

H) THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER IT'S USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING.

DOCUMENTATION

1) A REPORT SUMMARIZING THE SCOPE OF INSPECTION, NAME(S) AND QUALIFICATIONS OF THE PERSONNEL MAKING THE INSPECTION, DATE(S) OF THE SECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLANTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTION TAKEN IN ACCORDANCE WITH SECTION 4.B, SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE YEARS AFTER THE DATE OF INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G, OF THE GENERAL PERMIT.

2) IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER OR RESIDENT TECHNICIAN SHALL COMPLETE AND FILE AN "INCIDENT OF NONCOMPLIANCE (ION)" REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER OR RESIDENT TECHNICIAN SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI.G. OF THE GENERAL PERMIT. THE REPORT ID NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
POST OFFICE BOX 19276
SPRINGFIELD, IL 62794-9276

DESCRIPTION OF INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1) EXCAVATION AND REMOVAL OF EXISTING STRUCTURES AND PAVED SURFACES WILL BE COMPLETED AT LOCATIONS AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.

2) DRAINAGE STRUCTURES WILL BE INSTALLED BEFORE AND/OR DURING THE EXCAVATION AND REMOVAL OF THE EXISTING STRUCTURES TO ALLOW FOR PROPER DRAINAGE OF THE SITE.

3) PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEANUP OF TEMPORARY EROSION CONTROL, SUCH AS EROSION CONTROL FENCE, HAY OR STRAW BALE DITCH CHECKS, INLET PROTECTION, AND TEMPORARY SEEDING AND MULCHING.

4) FINAL GRADING AND PLACEMENT OF PERMANENT EROSION CONTROL SEEDING AND MULCHING.

AREA OF DISTURBED GROUND

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEM AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES. THE CONTRACTOR SHALL ABIDE TO ALL REQUIREMENTS WITHIN THIS PLAN AS PART OF THE CONTRACT.

ALL DISTURBED AREAS HAVING HIGH POTENTIAL FOR EROSION, AS DETERMINED BY THE ENGINEER, SHALL BE PERMANENTLY SEEDED AS SOON AS POSSIBLE.

MAINTENANCE AFTER CONSTRUCTION (WHERE APPLICABLE):

1) CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE IS RECEIVED AT THE FINAL INSPECTION.

2) AREAS WILL BE INSPECTED ON A REGULAR BASIS BY THE ENGINEER AND THE VILLAGE.

3) MAINTENANCE CREWS WILL ALSO AID IN ANY DRAINAGE PROBLEMS.

4) ALL MAINTENANCE WILL BE CONDUCTED AT TIMES WHEN WEATHER CONDITIONS WILL NOT CAUSE SITE DAMAGE.

5) CONTRACTORS SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF IEPA NPDES PERMIT ILR 10. RESTORATION SHALL OCCUR WITHIN 7 DAYS OF DISTURBANCE.

6) CONTRACTORS SHALL SUBMIT INSPECTION REPORTS TO THE VILLAGE AT LEAST ONCE PER SEVEN DAYS AND AFTER RAINFALL EVENTS OF HALF INCH (OR EQUIVALENT SNOW FALL).

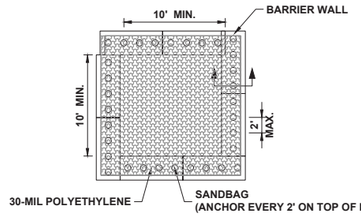
7) THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE SWPPP ON SITE AT ALL TIMES.

8) TECHNIQUES SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.

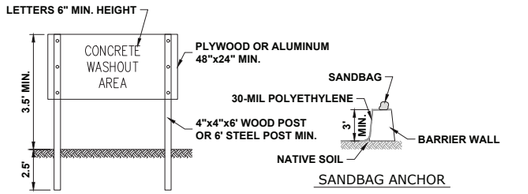
9) DAILY REMOVAL OF SEDIMENT AND DEBRIS FROM THE STREET SHALL BE REQUIRED OF THE CONTRACTOR.

NOTES

1. **SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.**
2. **THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.**
3. **SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER.**
4. **WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)**
5. **INLET FILTER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED. FILTERS WILL BE INSPECTED WEEKLY AND THE CONTRACTOR WILL BE NOTIFIED OF ANY CORRECTIVE MEASURES THAT WILL BE REQUIRED TO BE MADE BY THE CONTRACTOR.**



PLAN VIEW



SIGN DETAIL

SANDBAG ANCHOR

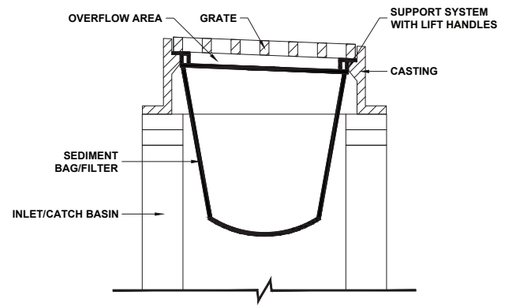
BARRIER WALL ANCHOR SECTION

NOTES:

1. **MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED 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.**

CONCRETE WASHOUT

(BARRIER WALL)



INLET/CATCH BASIN PROTECTION DETAIL

(DROP-IN PROTECTION)

1. **CLEAN OUT AFTER EVERY RAIN EVENT.**
2. **INSTALL BEFORE BEGINNING ANY WORK.**

LEGEND

- INLET FILTERS
- CONCRETE WASH-OUT AREA
- SITE ENTRANCE/EXIT
- MATERIAL/EQUIPMENT STOCK PILING

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL, (630) 54-2582
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN AND SWPPP

SCALE: - | SHEET NO. 1 OF 3 SHEETS | STA. - | TO STA. -

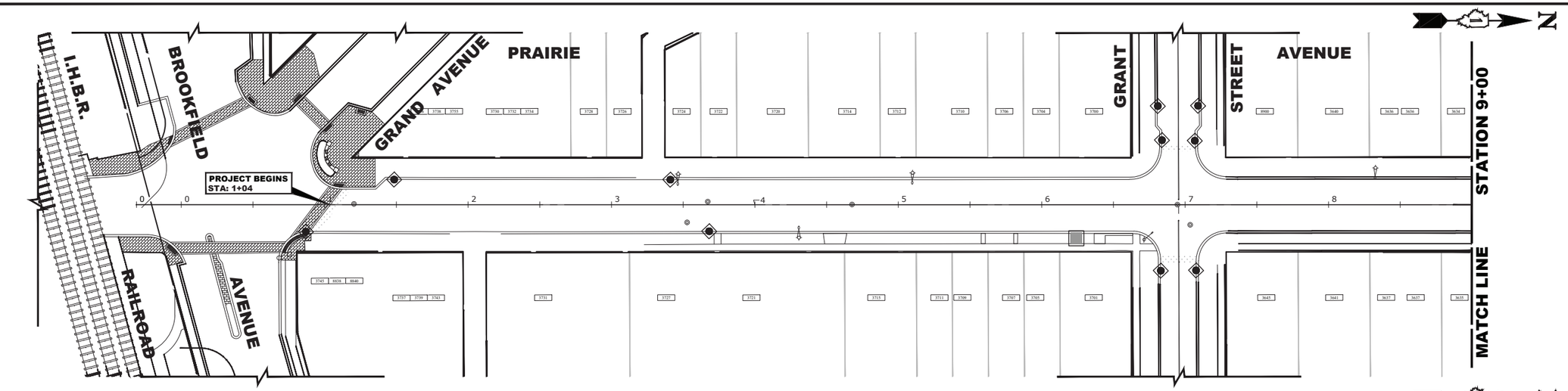
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	42

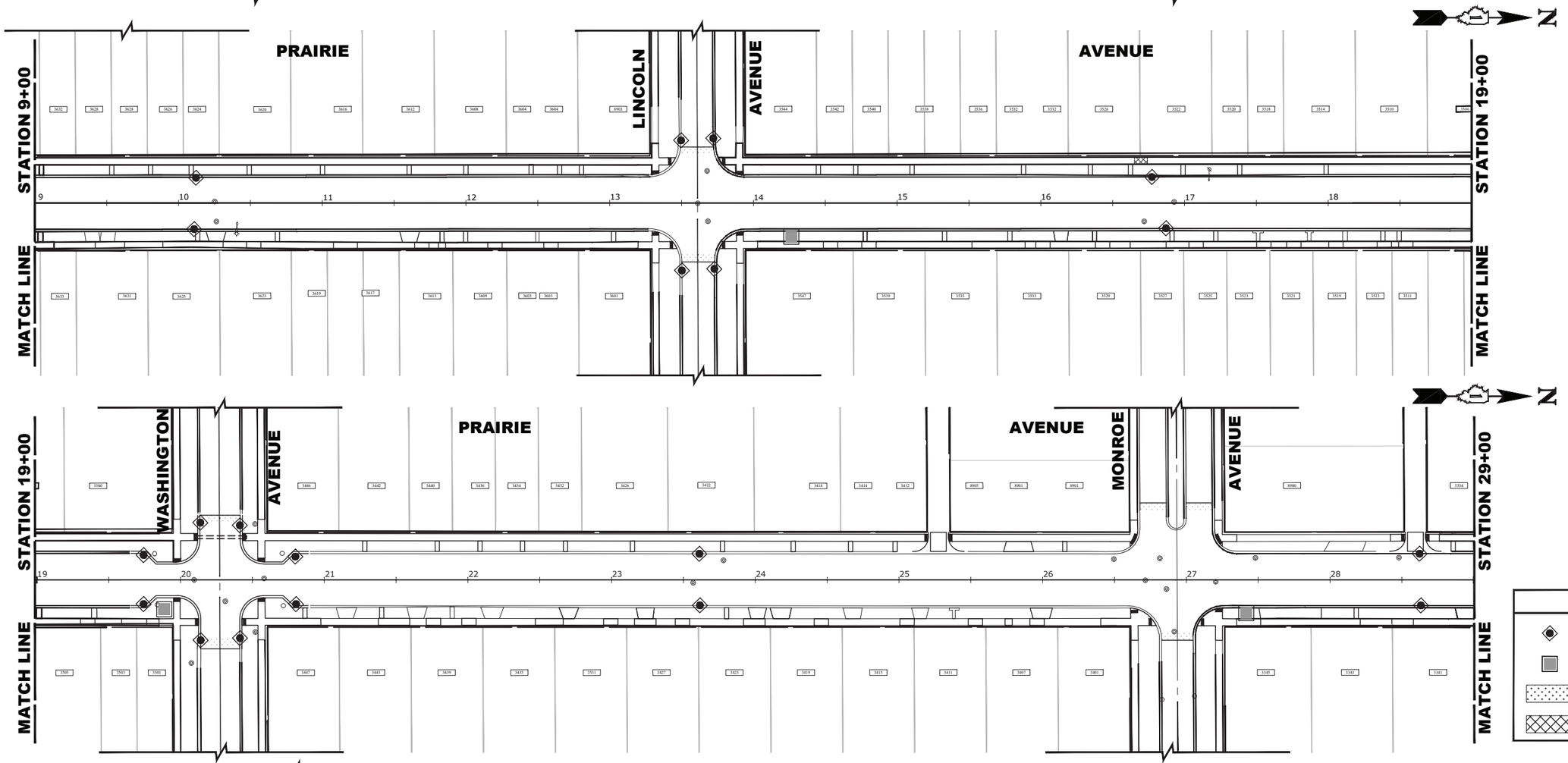
FIELD BOOK NO. : - | CONTRACT NO. 61M82

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:18am





LEGEND

- INLET FILTERS
- CONCRETE WASH-OUT AREA
- SITE ENTRANCE/EXIT
- MATERIAL/EQUIPMENT STOCK PILING

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

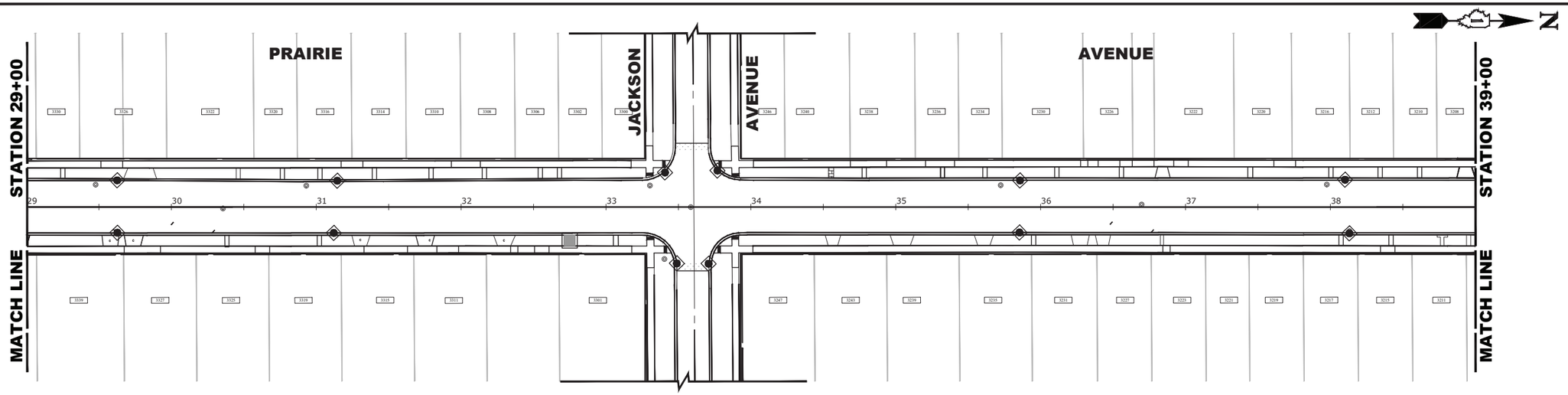
EROSION CONTROL PLAN AND SWPPP

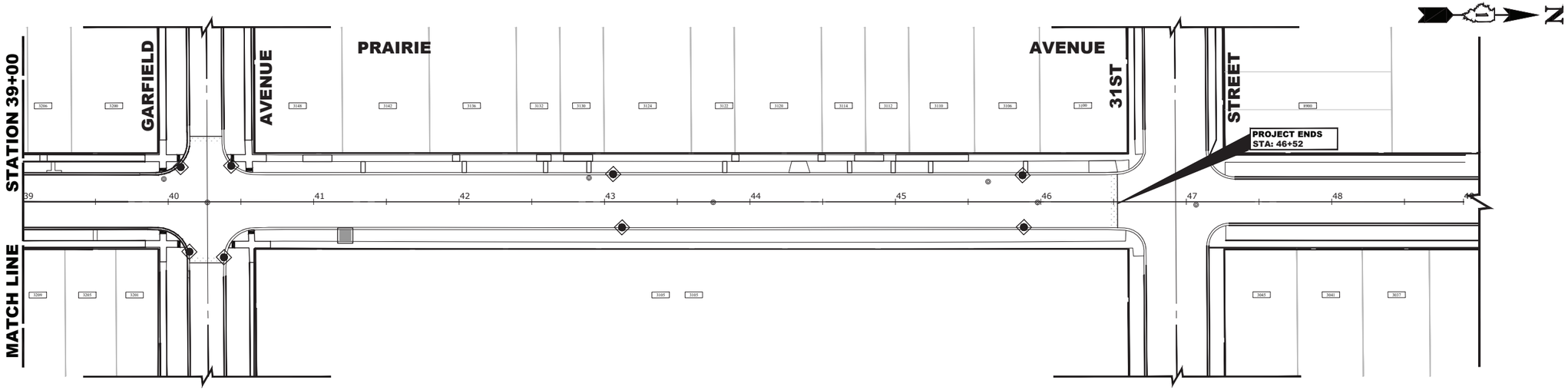
SCALE: 1" = 40' | SHEET NO. 2 OF 3 SHEETS | STA. 0+00 | TO STA. 29+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	43
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\25252253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:18am





LEGEND

- INLET FILTERS
- CONCRETE WASH-OUT AREA
- SITE ENTRANCE/EXIT
- MATERIAL/EQUIPMENT STOCK PILING

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7109 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-345-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

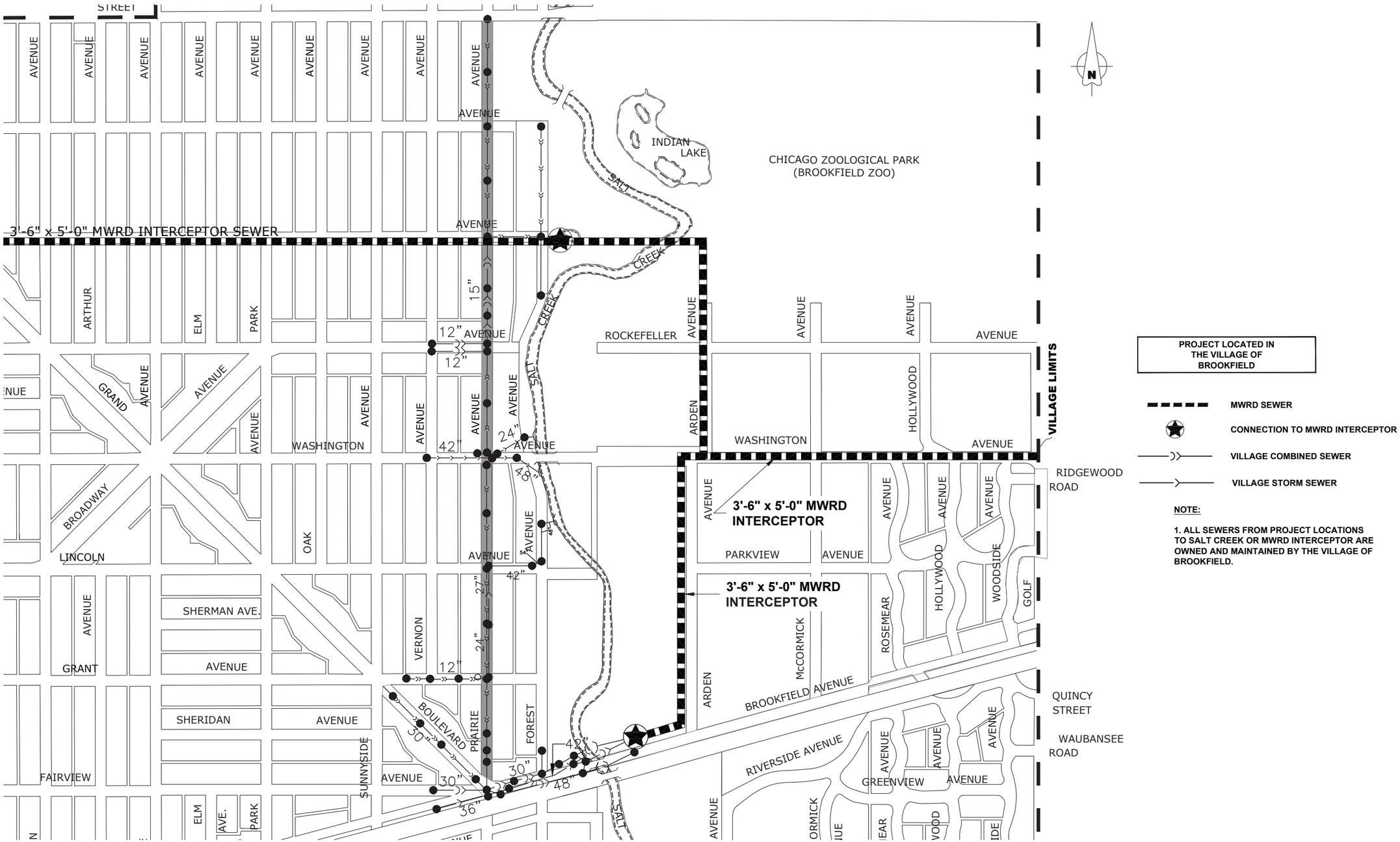
EROSION CONTROL PLAN AND SWPPP

SCALE: 1" = 40' | SHEET NO. 3 OF 3 SHEETS | STA. 29+00 | TO STA. 49+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	44
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:18am



PROJECT LOCATED IN THE VILLAGE OF BROOKFIELD

- MWRD SEWER
- CONNECTION TO MWRD INTERCEPTOR
- VILLAGE COMBINED SEWER
- VILLAGE STORM SEWER

NOTE:

1. ALL SEWERS FROM PROJECT LOCATIONS TO SALT CREEK OR MWRD INTERCEPTOR ARE OWNED AND MAINTAINED BY THE VILLAGE OF BROOKFIELD.

- PROJECT LOCATION

ROUTE OUTLET MAP

HANCOCK ENGINEERING
Civil Engineers. Municipal Consultants. Established 1911
7908 Roosevelt Road, Westchester, IL, 60154-2780
Phone: 708/865-0800 www.ahancock.com

DESIGNED - IL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROUTE OUTLET MAP
DRAWN -	REVISED -		SCALE: NONE · SHEET NO. 1 OF 1 SHEETS · STA. · TO STA.
CHECKED - ---	REVISED -		
DATE -	REVISED -		

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	45
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\ROUTE OUTLET MAP.dwg Sep 04, 2026 - 9:18am

JOB-SITE SIGNING CODES AND SIZES

SYMBOL	SIGN	CODE & SIZE
30	SPEED LIMIT 30	R2-1 24"x30"
HP	RESERVED PARKING	R7-8 12"x18"
FINE	$250 FINE	R7-I101P 18"x9"
NPHTC	NO PARKING HERE TO CORNER *	R7-1* 12"x18"
NPT1	NO PARKING 1AM–7AM 2.5 IN A.M. TO 9 IN A.M. SAT, SUN & HOLIDAYS 3 IN A.M. TO 7 IN A.M. *	R7-2a* 12"x18"
NPT2	NO PARKING SNOW EMERGENCY NO PARKING STREET CLEANING *	R7-203* 12"x18"

JOB-SITE SIGNING CODES AND SIZES

SYMBOL	SIGN	CODE & SIZE
1HRP	1 HR PARKING 9AM–5PM EXCEPT SUNDAYS AND HOLIDAYS *	R7-108* 12"x18"
RPPO	RESIDENT PERMIT PARKING ONLY & DECAL REQUIRED *	R7-22* 12"x18"
DOE	DO NOT ENTER	R5-1 30"x30"
ONE-WAY →	ONE WAY →	R6-2R 24"x30"
ONE-WAY ←	ONE WAY ←	R6-2L 24"x30"
WL5T	WEIGHT LIMIT 5 TONS	R12-1 24"x30"

*: SIGNS WITH SPECIFIC PARKING REGULATIONS THAT ARE NOT DIRECTLY REFERENCED IN THE MUTCD AND "STANDARD HIGHWAY SIGNS" PUBLICATION HAVE BEEN ASSIGNED A CODE DESIGNATION OF THE SIMILAR, STANDARD PARKING SIGN, WITH THE ACTUAL REGULATIONS SPECIFIED IN THE LEGEND. THE SIGNS SHALL BE CONSISTENT WITH THE SIGNS THAT CURRENTLY EXIST IN THE FIELD WITH FONT, SIZE, COLOR AND OTHER APPLICABLE DETAILS TO BE PROVIDED BY THE ENGINEER.

**: NO CURRENT STANDARD EXISTS. SIGN PANEL SHALL RESEMBLE THE APPROXIMATE SIZE AND DISPLAY SHOWN.

SIGNING NOTES:

DESIGN:	AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 2013.
CONSTRUCTION:	CURRENTS STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS, AND APPLICABLE SPECIAL PROVISIONS.
LOADING:	FOR 80 MPH WIND VELOCITY WITH 30% GUST FACTOR, NORMAL TO SIGN.
SOIL PRESSURE:	MINIMUM ALLOWABLE SOIL PRESSURE = 1.25 TSF.
MATERIALS:	POSTS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.29, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF ILLINOIS. HARDWARE FOR ATTACHING SIGN PANELS TO POSTS SHALL BE CADIUM OR ZINC COATED STEEL, STAINLESS STEEL, OR ALUMINUM, AND SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: CADIUM OR ZINC COATED STEEL: BOLTS, NUTS, AND WASHERS: ASTM A165, TYPE NS. ZINC COATED IN ACCORDANCE WITH AASHTO M-232 OR ASTM A164, TYPE GS.
STAINLESS STEEL:	BOLTS: ASTM A193, CLASS I, GRADE B8, NUTS: ASTM A194, GRADE 8 OR 8F, WASHERS: ASTM A240, TYPE 302 OR 304.
ALUMINUM:	BOLTS: ASTM B211 ALLOY 6061-T6 OR 2024-T4, NUTS: ASTM B211 ALLOY 6061-T6 OR 6262-T9, WASHERS: ASTM B209 ALCLAD 2024-T4.

PER 11TH EDITION MUTCD SECTION 2D.45, PARAGRAPH 05, STREET NAME SIGNS ARE TO BE MIXED CASE FONT.

NOTES:

1. EXISTING SIGNS AND POSTS ARE TO BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL OR REPLACE SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND INSTALLATION OF SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE A OR B" PAY ITEM)
2. ALL SIGNS AND POSTS TO BE SAFELY STORED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
3. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
5. SIGNS SHALL FOLLOW THE ASSIGNED CODE DESIGNATION AND SIZE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND "STANDARD HIGHWAY SIGNS" PUBLICATION.
6. ALL PROPOSED SIGNAGE AND PAVEMENT MARKING INSTALLATION LOCATIONS MUST COMPLY WITH ALL PROWAG REQUIREMENTS.

SYMBOL	DESCRIPTION
	METAL POST - TYPE A
B	METAL POST - TYPE B
	EXISTING POST

HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
7908 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708-865-0900
www.ahancock.com

DESIGNED - IL		REVISED -
DRAWN -		REVISED -
CHECKED - ---		REVISED -
DATE -		REVISED -

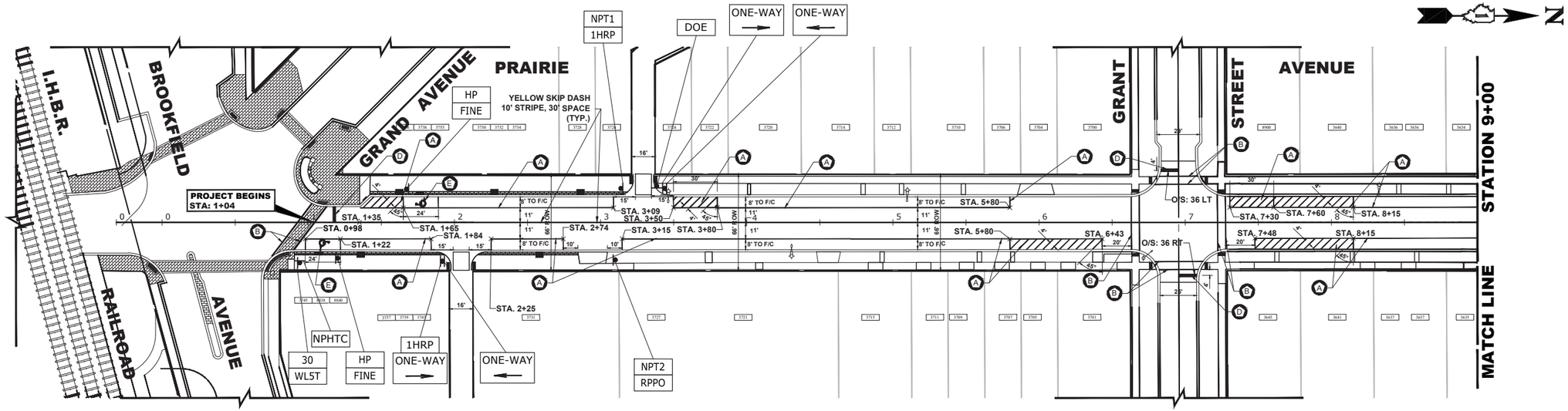
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN LEGEND AND NOTES

SCALE: NONE | SHEET NO. 1 OF 4 SHEETS | STA. - | TO STA. -

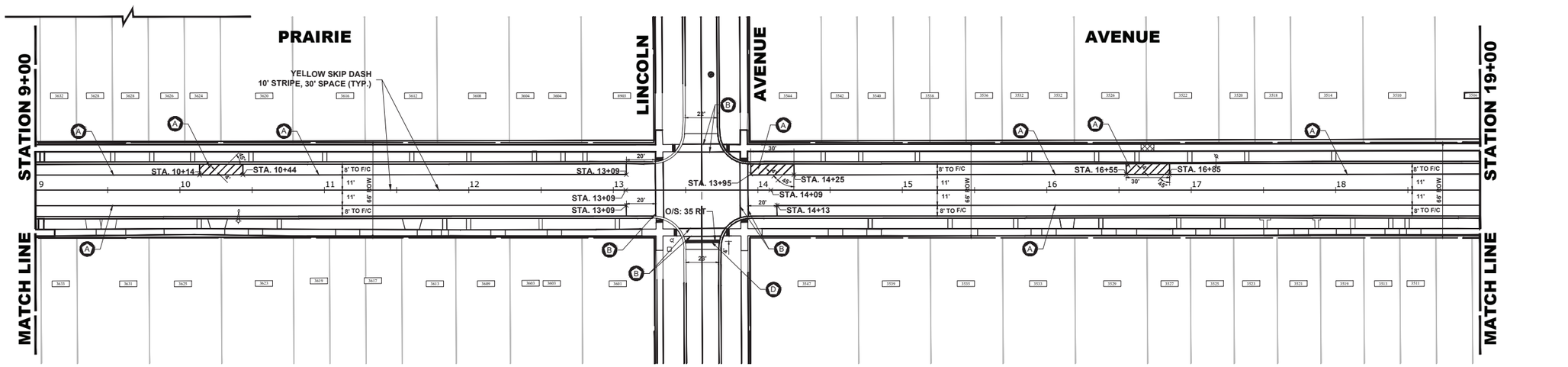
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	46
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Plaine Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 – 9:18am



SYMBOL	ITEM DESCRIPTION
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
B	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
C	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
D	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
E	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

NOTE: ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED.



HANCOCK ENGINEERING
CVL Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2702
Phone: 708/345-0900
www.wehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

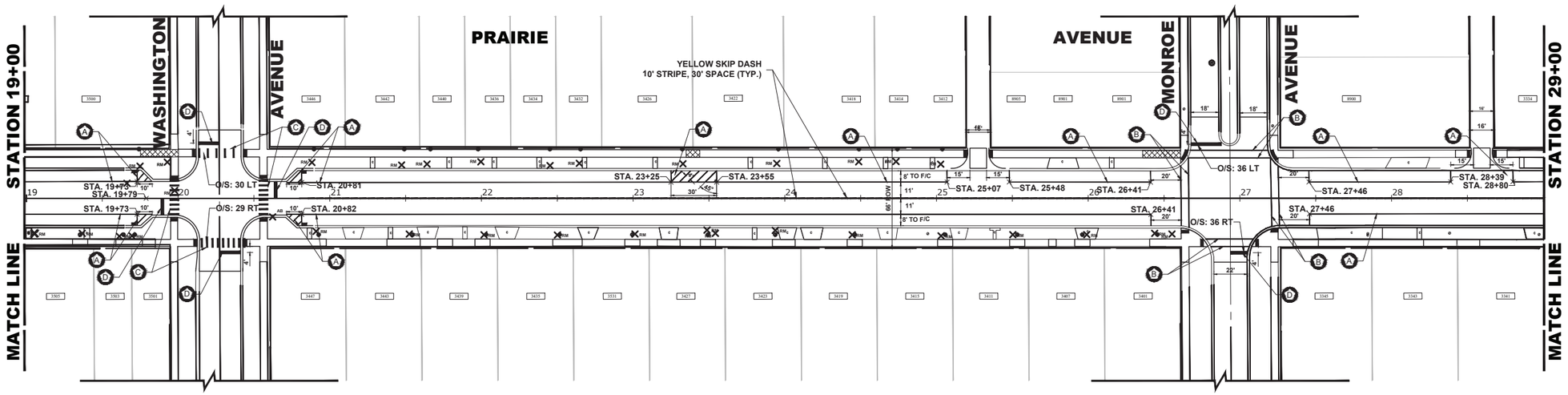
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' | SHEET NO. 2 OF 4 SHEETS | STA. 0+00 | TO STA. 19+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	47
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

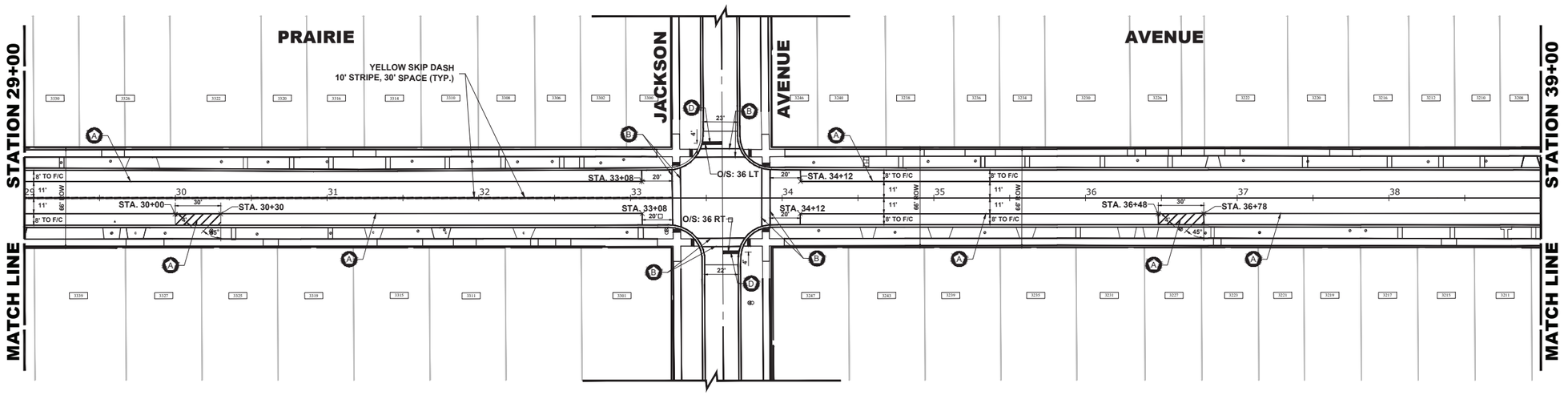
E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprts_40 scale.dwg Sep 04, 2026 - 9:19am



SYMBOL	ITEM DESCRIPTION
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
B	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
C	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
D	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
E	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

NOTE: ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED.



HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

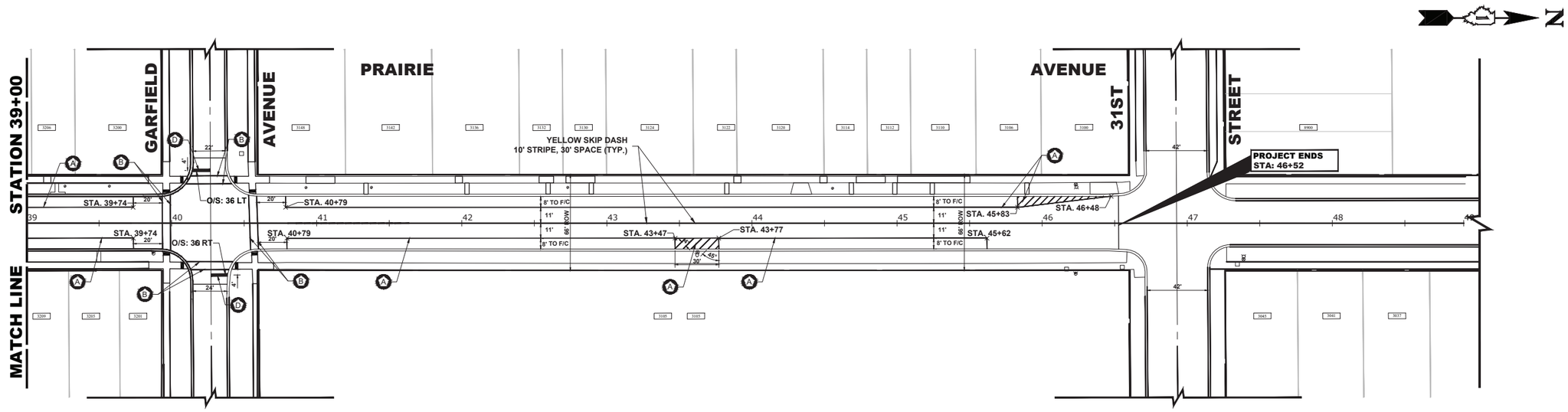
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' | SHEET NO. 3 OF 4 SHEETS | STA. 19+00 | TO STA. 39+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	48
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:19am



SYMBOL	ITEM DESCRIPTION
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
B	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
C	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
D	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
E	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

NOTE: ALL MARKINGS ARE WHITE UNLESS OTHERWISE NOTED.

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL, 60154-2702
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

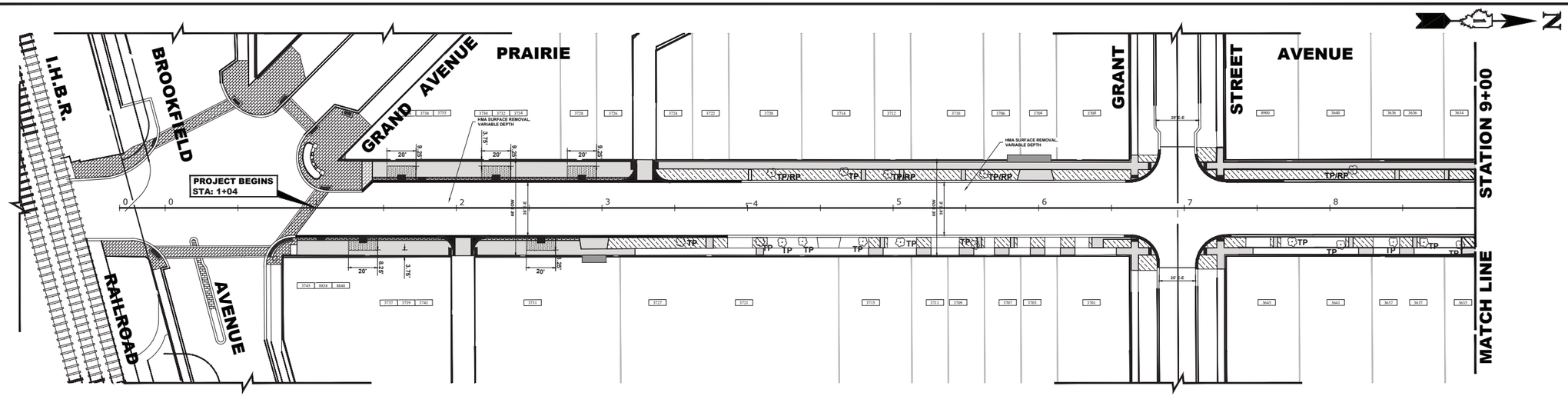
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' | SHEET NO. 4 OF 4 SHEETS | STA. 39+00 | TO STA. 49+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	49
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:19am



LANDSCAPING NOTES

SODDING:

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS* AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 6 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS).

4" TOP SOIL LAYER:

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.

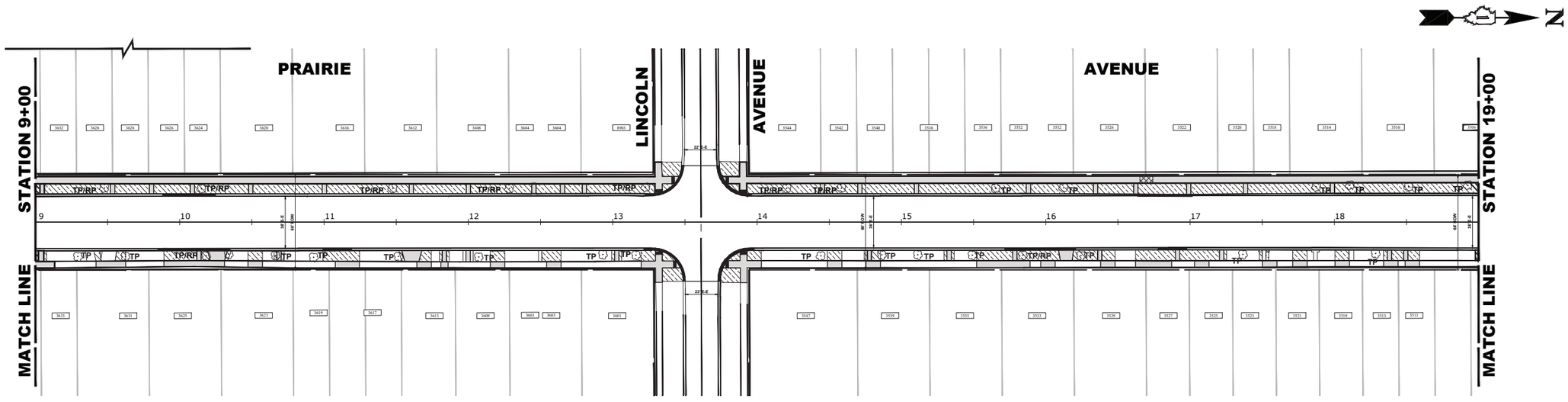
NO PHOSPHOROUS FERTILIZER SHALL BE USED WITHIN 150' OF SALT CREEK.

MULCH:

MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED OR AS DIRECTED BY ENGINEER.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	BRICK AREA
	PROPOSED INCIDENTAL HOT-MIX ASPHALT AREA
	STRUCTURAL SOIL
TP	TREE TRUNK PROTECTION
RP	TREE ROOT PRUNING



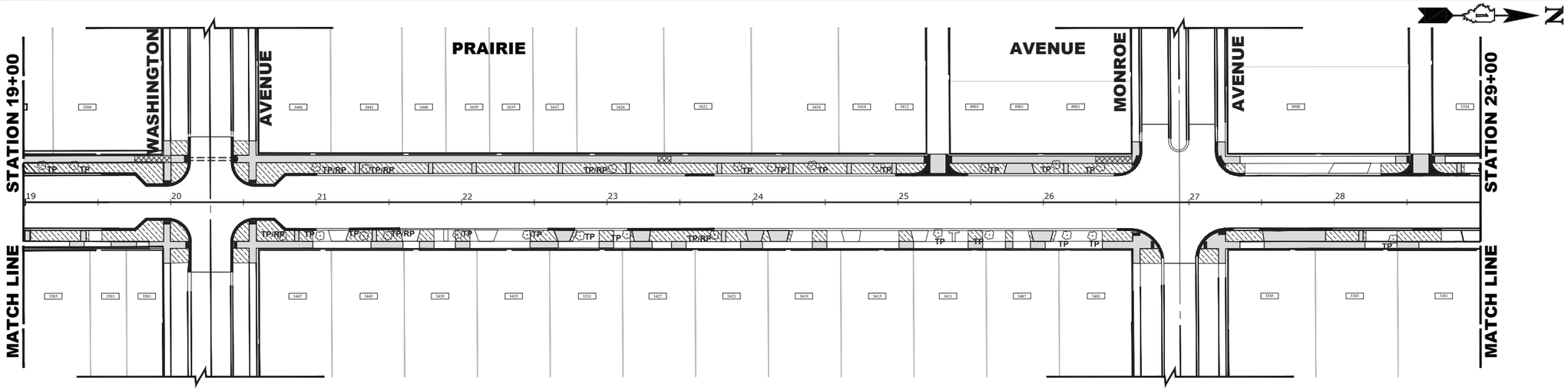
HANCOCK ENGINEERING	CVL Engineers Municipal Consultants Established 1911	7108 Roosevelt Road Westchester, IL. 60154-2782 Phone: 708/345-0900 www.wehancock.com	DESIGNED - IL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN	
			DRAWN - AJ, DMM, SA, JCR	REVISED -			
			CHECKED - ---	REVISED -			
			DATE - 9-3-26	REVISED -			

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	50
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SCALE: 1" = 40' | SHEET NO. 1 OF 3 SHEETS | STA. 0+00 | TO STA. 19+00

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Impvts_40 scale.dwg Sep 04, 2026 - 9:19am



LANDSCAPING NOTES

SODDING:

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS* AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 6 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS).

4" TOP SOIL LAYER:

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.

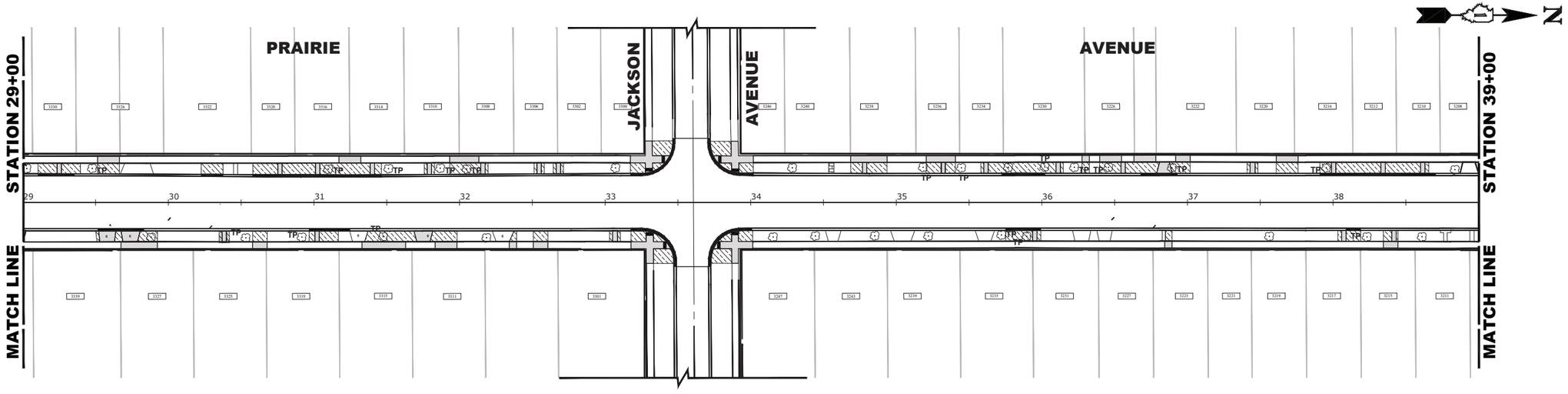
NO PHOSPHOROUS FERTILIZER SHALL BE USED WITHIN 150' OF SALT CREEK.

MULCH:

MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED OR AS DIRECTED BY ENGINEER.

LEGEND OF SYMBOLS

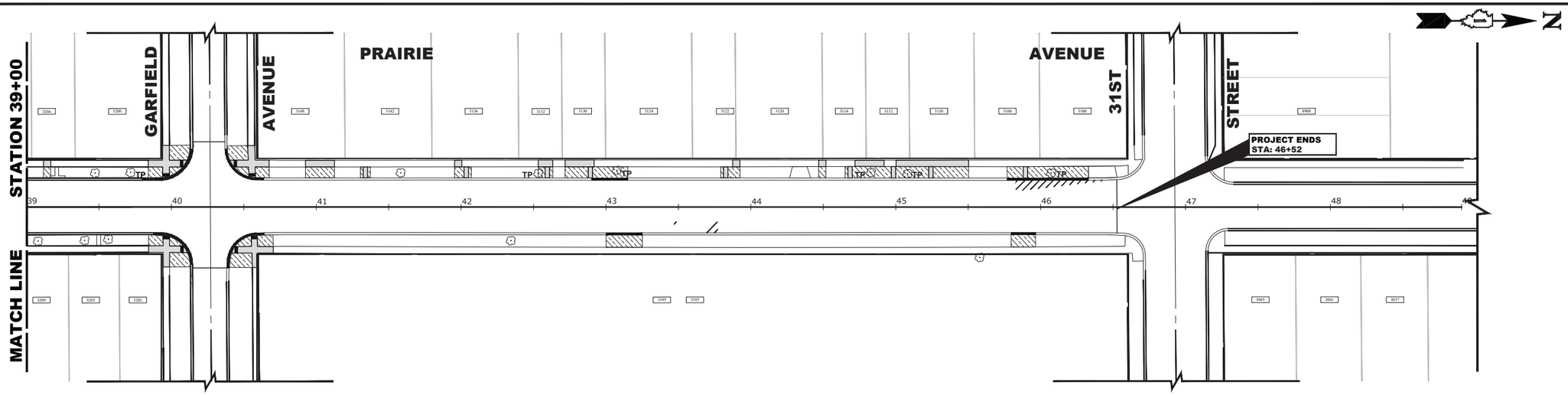
SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	BRICK AREA
	PROPOSED INCIDENTAL HOT-MIX ASPHALT AREA
	STRUCTURAL SOIL
TP	TREE TRUNK PROTECTION
RP	TREE ROOT PRUNING



HANCOCK ENGINEERING	CVI Engineers Municipal Consultants Established 1911	7108 Roosevelt Road Westchester, IL 60154-2782 Phone: 708/345-0900 www.ehancock.com	DESIGNED - IL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN	MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - AJ, DMM, SA, JCR	REVISED -			2732	25-00139-00-RS	COOK	72	51
			CHECKED - ---	REVISED -			FIELD BOOK NO. : -		CONTRACT NO. 61M82		
			DATE - 9-3-26	REVISED -		SCALE: 1" = 40' / SHEET NO. 2 OF 3 SHEETS / STA. 19+00 / TO STA. 39+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (JAFO) Phase 1\SITE\Prairie Ave Impvts_40 scale.dwg Sep 04, 2026 - 9:19am

E.H.E. PROJECT NO. 125-25-25301



LANDSCAPING NOTES

SODDING:

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS* AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 6 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS).

4" TOP SOIL LAYER:

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.

NO PHOSPHOROUS FERTILIZER SHALL BE USED WITHIN 150' OF SALT CREEK.

MULCH:

MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED OR AS DIRECTED BY ENGINEER.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	PROPOSED BRICK AREA
	PROPOSED INCIDENTAL HOT-MIX ASPHALT AREA
	STRUCTURAL SOIL
TP	TREE TRUNK PROTECTION
RP	TREE ROOT PRUNING

HANCOCK ENGINEERING
CVL Engineers
Municipal Consultants
Established 1911
7109 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

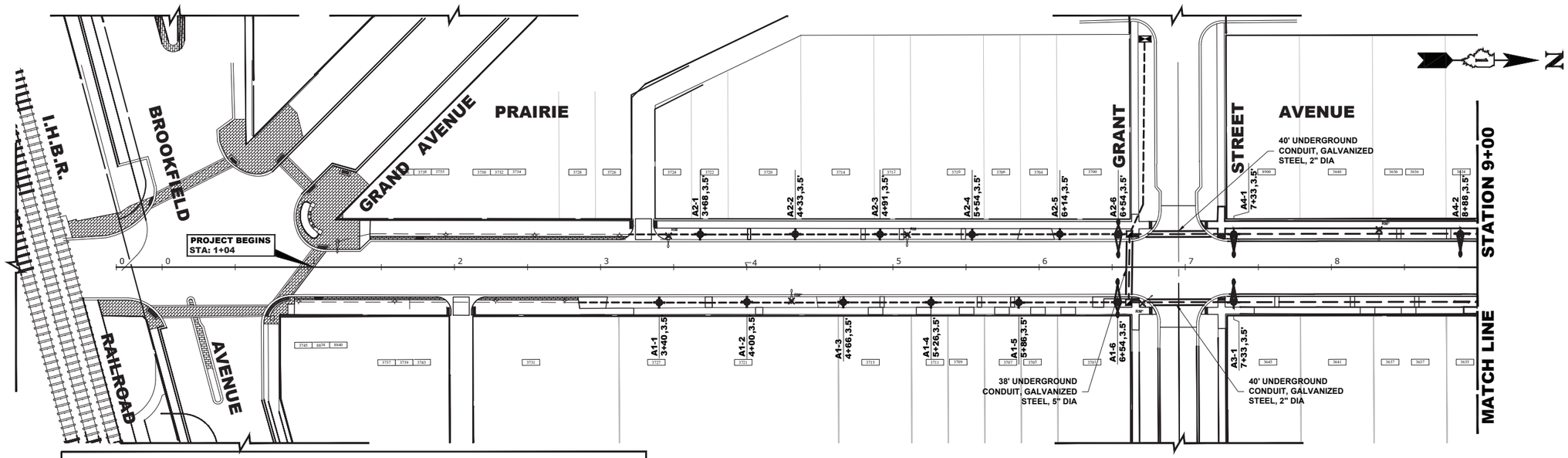
LANDSCAPING PLAN

SCALE: 1" = 40' | SHEET NO. 3 OF 3 SHEETS | STA. 39+00 | TO STA. 49+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	52
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

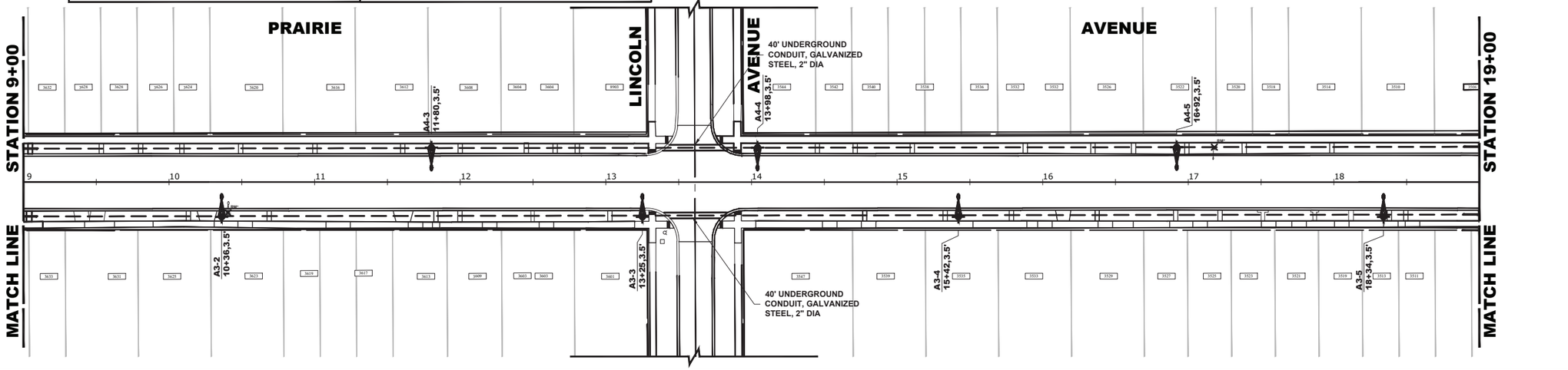
Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Impxfs_40 scale.dwg Sep 04, 2026 - 9:19am



LEGEND OF SYMBOLS

EXISTING ROADWAY LIGHT POLE AND FIXTURE	PROPOSED HANDHOLE
EXISTING PEDESTRIAN LIGHT POLE AND FIXTURE	PROPOSED CONTROL CENTER
RM — EXISTING LIGHT POLE AND FIXTURE TO BE REMOVED	PROPOSED UNIT DUCT WITH 2-1/C No. 6 & 1-1/C No. 8 GROUND, 600V (XLP-(TYPE USE)), 1" DIAMETER OR AS NOTED
RM* — EXISTING LIGHT POLE AND FIXTURE TO BE REMOVED (BY OTHERS)	EXISTING UNIT DUCT
PROPOSED 12' MOUNTING HEIGHT POLE WITH 2' MAST ARM AND LED LUMINAIRE X1400210 LIGHT POLE, SPECIAL 12'	PROPOSED UNIT DUCT WITH 4-1/C No. 6, 1-1/C No. 8 GROUND, 600V (XLP-(TYPE USE)), 1.5" DIAMETER
PROPOSED 24' MOUNTING HEIGHT POLE WITH 6' MAST ARM AND LED LUMINAIRE XX008284 ORNAMENTAL LIGHT POLE, ALUMINUM, WITH CONTEMPORARY ARM	PROPOSED RIGID GALVANIZED STEEL CONDUIT
PROPOSED 24' MOUNTING HEIGHT POLE WITH 6' MAST ARM AND LED LUMINAIRE AND 12' MOUNTING HEIGHT POLE WITH 2' MAST ARM AND LED LUMINAIRE ORNAMENTAL LIGHT POLE, ALUMINUM, WITH CONTEMPORARY ARM , SPECIAL	CONTROLLER IDENTIFICATION (TYP.) CIRCUIT NUMBER (TYP.) A1-1 — POLE NUMBER (TYP.) 20+80, 3' — SET BACK FROM F/C (TYP.)

NOTE: EXISTING LIGHTING TO REMAIN UNTIL NEW LIGHTING IS OPERATIONAL.



HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL, 60154-2702
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

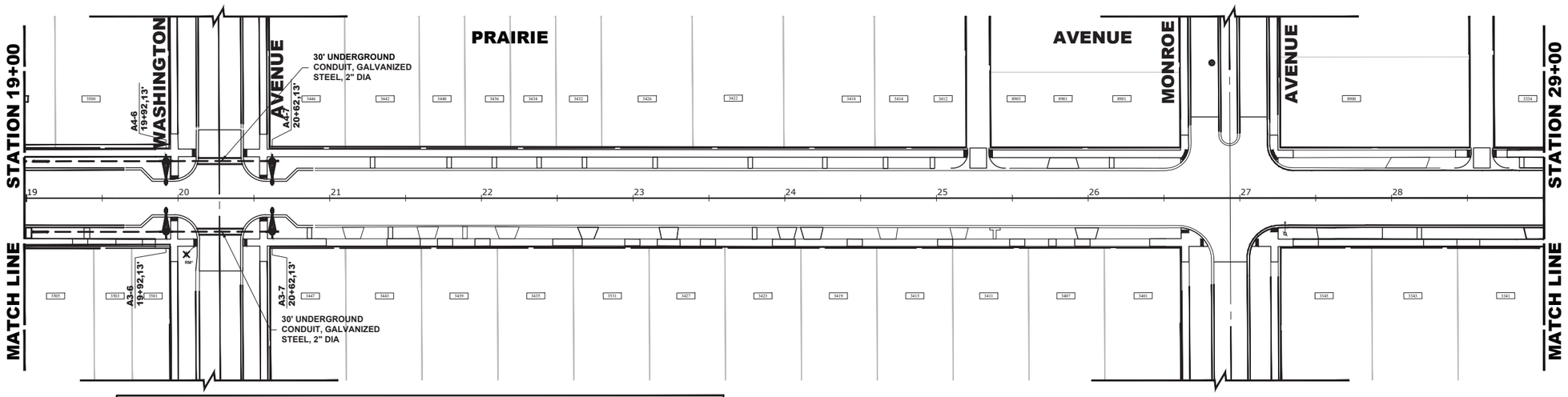
STREET LIGHTING PLAN

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 19+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	53
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:19am



LEGEND OF SYMBOLS

EXISTING ROADWAY LIGHT POLE AND FIXTURE	PROPOSED HANDHOLE
EXISTING PEDESTRIAN LIGHT POLE AND FIXTURE	PROPOSED CONTROL CENTER
RM — EXISTING LIGHT POLE AND FIXTURE TO BE REMOVED	PROPOSED UNIT DUCT WITH 2-1/C No. 6 & 1-1/C No. 8 GROUND, 600V (XLP-(TYPE USE)), 1" DIAMETER OR AS NOTED
RM* — EXISTING LIGHT POLE AND FIXTURE TO BE REMOVED (BY OTHERS)	EXISTING UNIT DUCT
PROPOSED 12' MOUNTING HEIGHT POLE WITH 2' MAST ARM AND LED LUMINAIRE X1400210 LIGHT POLE, SPECIAL 12'	PROPOSED UNIT DUCT WITH 4-1/C No. 6, 1-1/C No. 8 GROUND, 600V (XLP-(TYPE USE)), 1.5" DIAMETER
PROPOSED 24' MOUNTING HEIGHT POLE WITH 6' MAST ARM AND LED LUMINAIRE XX008284 ORNAMENTAL LIGHT POLE, ALUMINUM, WITH CONTEMPORARY ARM	PROPOSED RIGID GALVANIZED STEEL CONDUIT
PROPOSED 24' MOUNTING HEIGHT POLE WITH 6' MAST ARM AND LED LUMINAIRE AND 12' MOUNTING HEIGHT POLE WITH 2' MAST ARM AND LED LUMINAIRE ORNAMENTAL LIGHT POLE, ALUMINUM, WITH CONTEMPORARY ARM , SPECIAL	A1-1 — CONTROLLER IDENTIFICATION (TYP.) 20+80, 3' — CIRCUIT NUMBER (TYP.) POLE NUMBER (TYP.) SET BACK FROM F/C (TYP.)

NOTE: EXISTING LIGHTING TO REMAIN UNTIL NEW LIGHTING IS OPERATIONAL.

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Prairie Ave Improvements (IAFO) Phase 1\SITE\Prairie Ave Impvts_40 scale.dwg Sep 04, 2026 – 9:19am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9700 Roosevelt Road
Westchester, IL 60154-2703
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

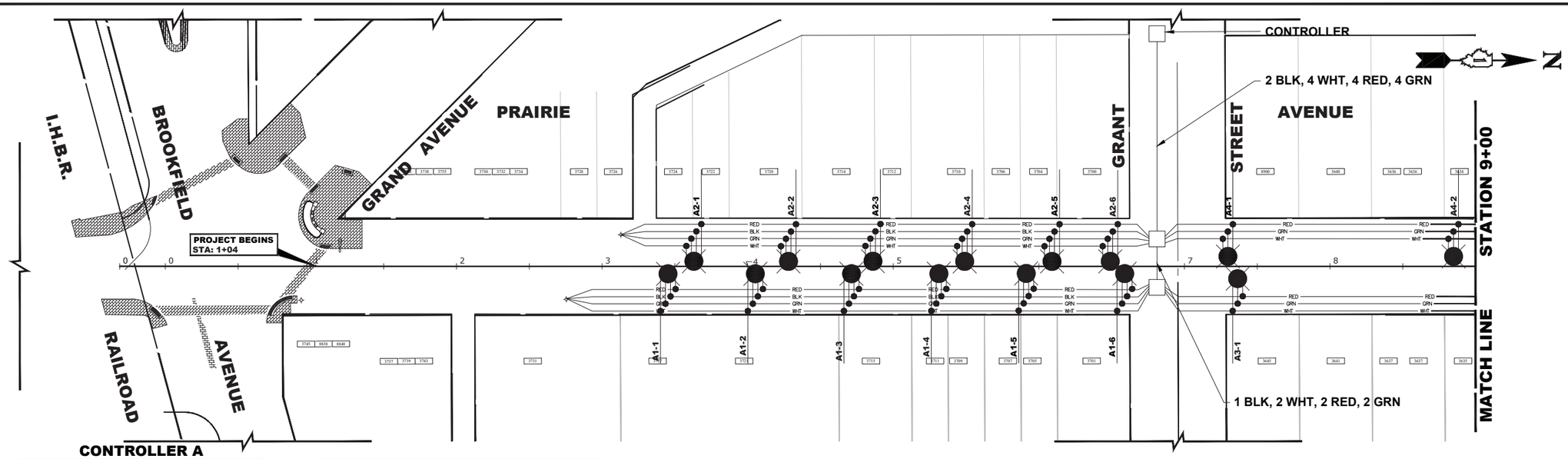
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 19+00 | TO STA. 39+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	54
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

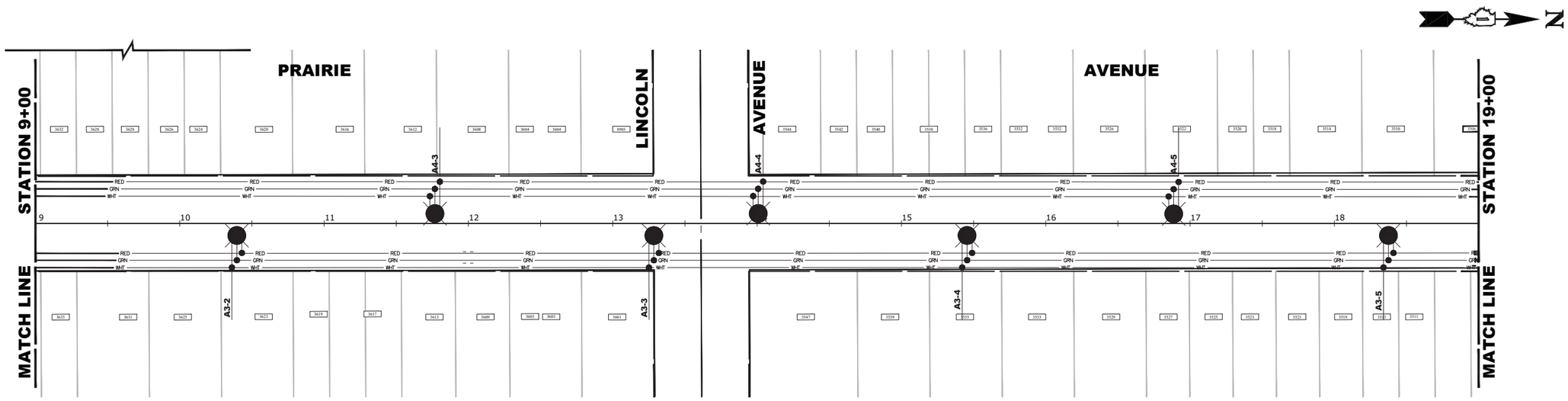


CONTROLLER A

LIGHTING CONTROLLER CIRCUIT LOADS		
CIRCUIT	**AMPS**	**WATTS**
1 LP	4.71	565.3
2 LP	4.71	565.3
3 LP	5.08	609.7
4 LP	5.08	609.7
1 GFCI	2.94	350
2 GFCI	2.94	350
3 GFCI	0.84	100
4 GFCI	1.05	125
TOTAL	27.35	

LEGEND OF SYMBOLS

BLK/RED	120 VOLT PHASE CABLE (BLACK OR RED)
WHT	120 VOLT NEUTRAL CABLE (WHITE)
GRN	GROUND WIRE (GREEN)
	EXISTING CABLE
	SPLICE
	EXISTING LUMINAIRE
	PROPOSED LED LUMINAIRE
A1-1	PROPOSED CIRCUIT/POLE NUMBER



HANCOCK ENGINEERING
CIVIL Engineers
Municipal Consultants
Established 1911
9708 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ehancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

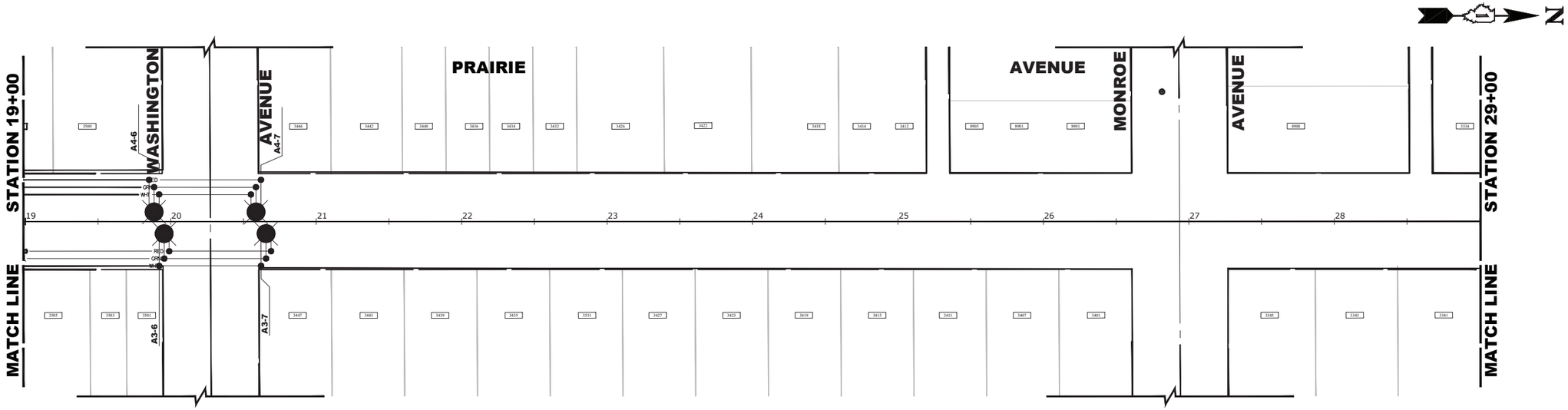
STREET LIGHTING WIRING DIAGRAM

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 19+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	55
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\2525253 - Prairie Ave Improvements (LAFO) Phase 1\SITE\Prairie Ave Imprvts_40 scale.dwg Sep 04, 2026 - 9:19am



CONTROLLER A

LIGHTING CONTROLLER CIRCUIT LOADS		
CIRCUIT	**AMPS**	**WATTS**
1 LP	4.71	565.3
2 LP	4.71	565.3
3 LP	5.08	609.7
4 LP	5.08	609.7
1 GFCI	2.94	350
2 GFCI	2.94	350
3 GFCI	0.84	100
4 GFCI	1.05	125
TOTAL	27.35	

LEGEND OF SYMBOLS

BLK/RED	120 VOLT PHASE CABLE (BLACK OR RED)
WHT	120 VOLT NEUTRAL CABLE (WHITE)
GRN	GROUND WIRE (GREEN)
	EXISTING CABLE
	SPLICE
	EXISTING LUMINAIRE
	PROPOSED LED LUMINAIRE
A1-1	PROPOSED CIRCUIT/POLE NUMBER

HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

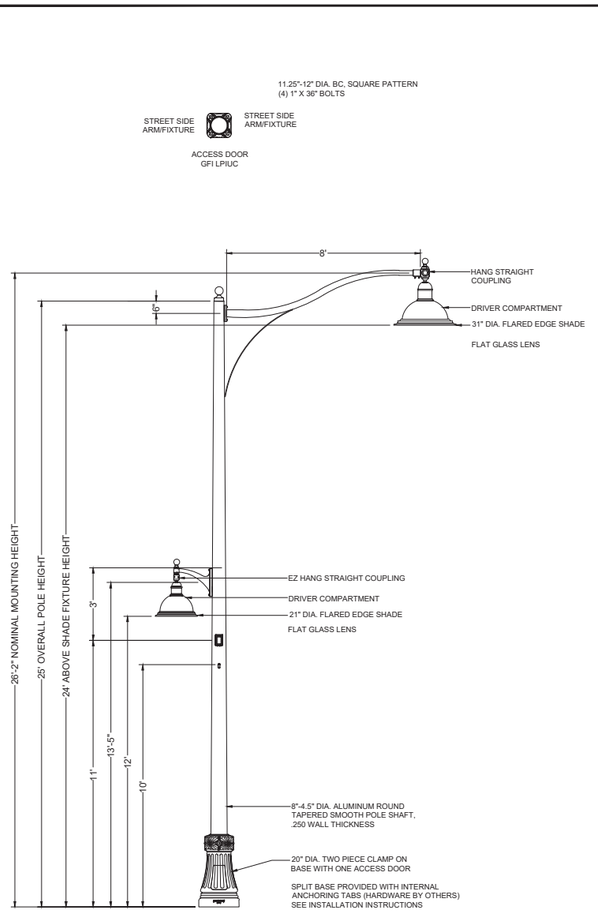
STREET LIGHTING WIRING DIAGRAM

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 19+00 | TO STA. 39+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	56
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (UAFO) Phase 1\SITE\Prairie Ave Imprts_40 scale.dwg Sep 04, 2026 - 9:20am

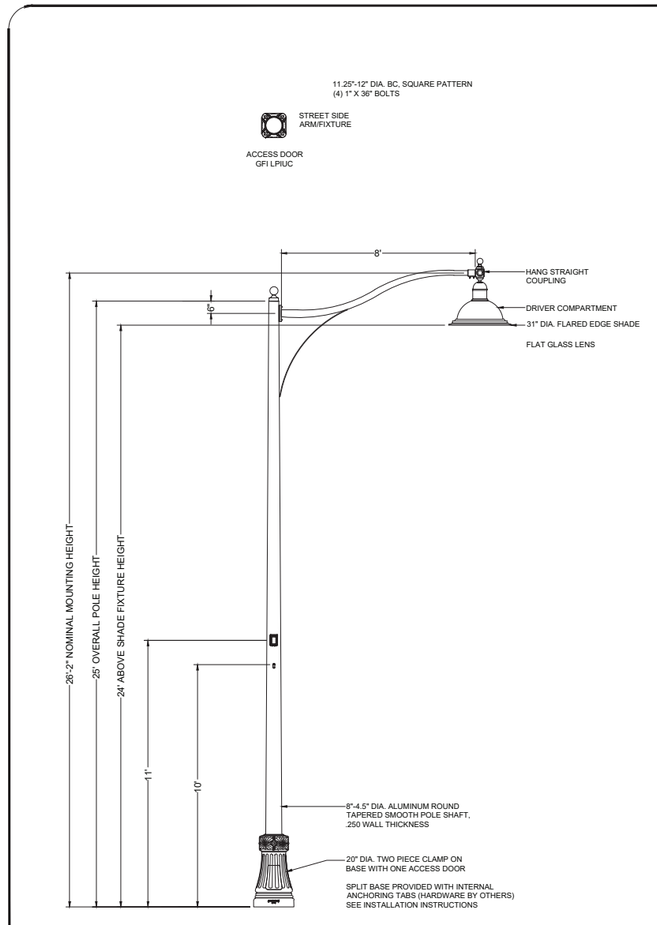


CATALOG No: SSPXXXXX-1A-1531LED-F-32L40T2-MDL018-FG-HSHBGAS8/1AM-1521LED-F-16L40T2-MDL018-FG-EZ-480J-HBPMR/6925ART3/BCC4/GFI LPIUC/BDBA6-18"/DHPA/BK
JOB NAME: BROOKFIELD, IL
LOCATION: BROOKFIELD, IL
DRAWN: EH
CHECKED: -
REVISION: A
DATE: 8/14/24
DRAWING NO: SC49588
Sternberg

REV	REVISIONS	DATE	RVSD
A	ORIGINAL	8/14/24	

TOLERANCES: POLE: +/-2" BANNER ARM SPACING: +/-0.25" MOUNTING HT. FOR POLE ACCESSORIES: +/-0.5"

X8300001 LIGHT POLE (SPECIAL)

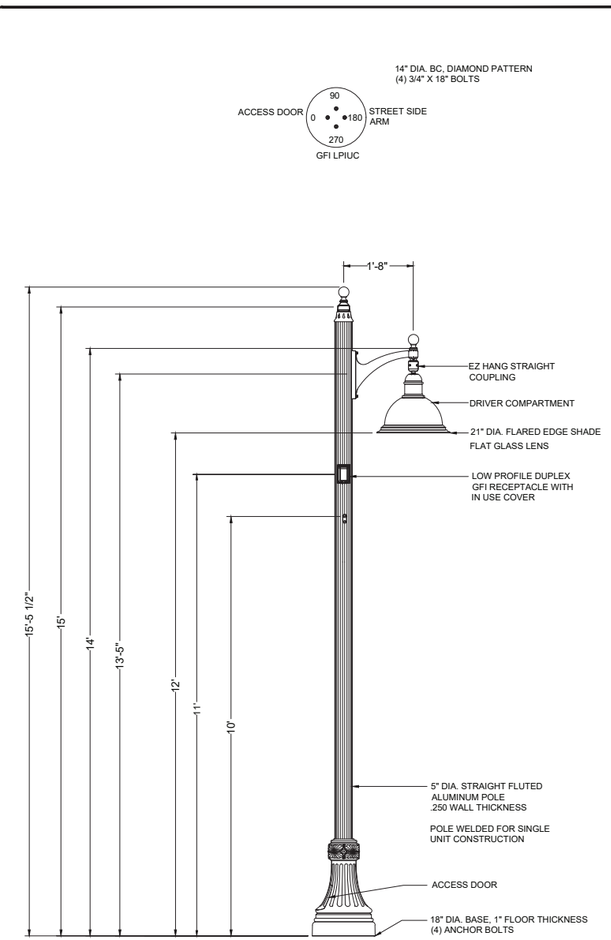


CATALOG No: SSPXXXXX-1A-1531LED-F-32L40T2-MDL014-FG-HSHBGAS8/1AM-1521LED-F-16L40T2-MDL018-FG-EZ-480J-HBPMR/6925ART3/BCC4/GFI LPIUC/BDBA6-18"/DHPA/BK
JOB NAME: BROOKFIELD, IL
LOCATION: BROOKFIELD, IL
DRAWN: EH
CHECKED: -
REVISION: A
DATE: 8/14/24
DRAWING NO: SC49588
Sternberg

REV	REVISIONS	DATE	RVSD
A	ORIGINAL	8/14/24	

TOLERANCES: POLE: +/-2" BANNER ARM SPACING: +/-0.25" MOUNTING HT. FOR POLE ACCESSORIES: +/-0.5"

XX008284 ORNAMENTAL LIGHT POLE, ALUMINUM, WITH CONTEMPORARY ARM



CATALOG No: SSPXXXXX-1A-1521LED-F-16L40T2-MDL018-FG-EZ-480J-HBPMR/6215PP5-.250/BCC3/GFI LPIUC/BDBA6-18"/DHPA/BK
JOB NAME: BROOKFIELD, IL
LOCATION: BROOKFIELD, IL
DRAWN: EH
CHECKED: -
REVISION: A
DATE: 8/15/24
DRAWING NO: SC49587
Sternberg

REV	REVISIONS	DATE	RVSD
A	ORIGINAL	8/14/24	

TOLERANCES: POLE: +/-2" BANNER ARM SPACING: +/-0.25" MOUNTING HT. FOR POLE ACCESSORIES: +/-0.5"

X1400210 LIGHT POLE, SPECIAL, 12'

HANCOCK ENGINEERING
CMI Engineers
Municipal Consultants
Established 1911
7760 Roosevelt Road,
Westchester, IL 60154-2782
Phone: 708-865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

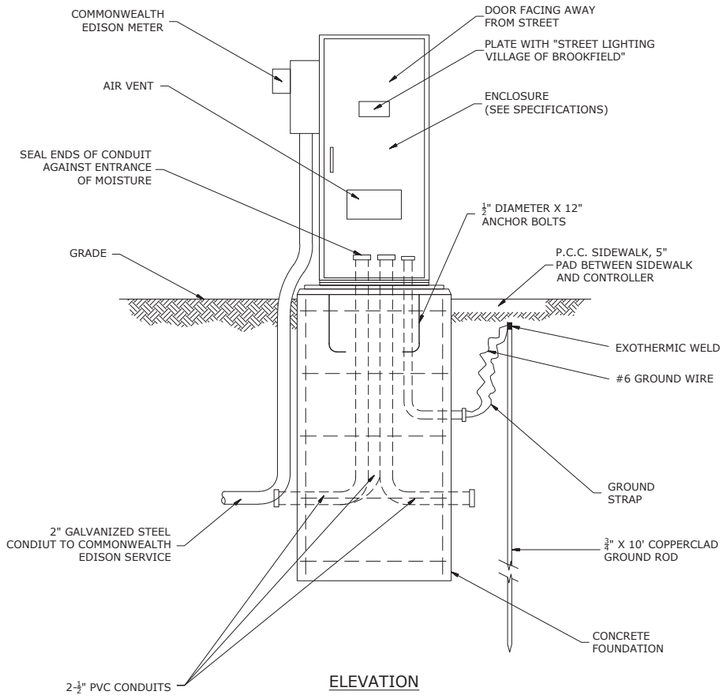
LIGHTING DETAILS

SCALE: - | SHEET NO. - OF - SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	57
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

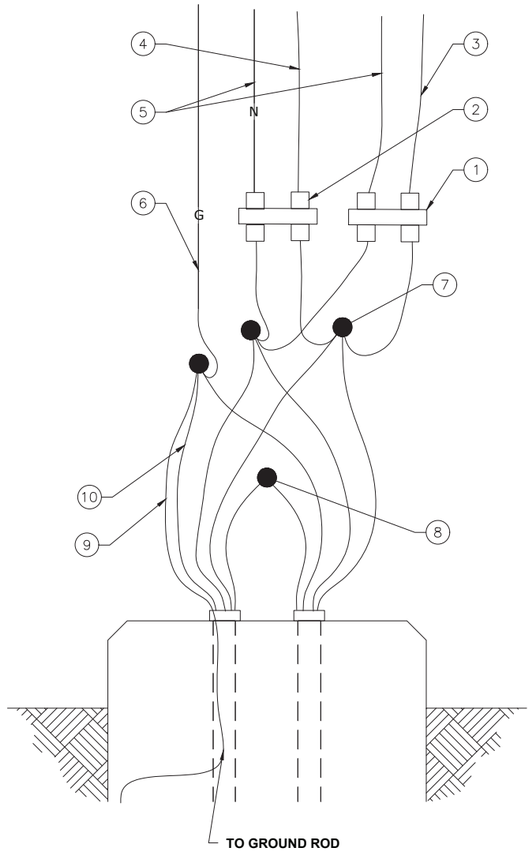
E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\DETAILS.dwg Sep 04, 2026 - 9:20am



ELEVATION

LIGHTING CONTROLLER & FOUNDATION

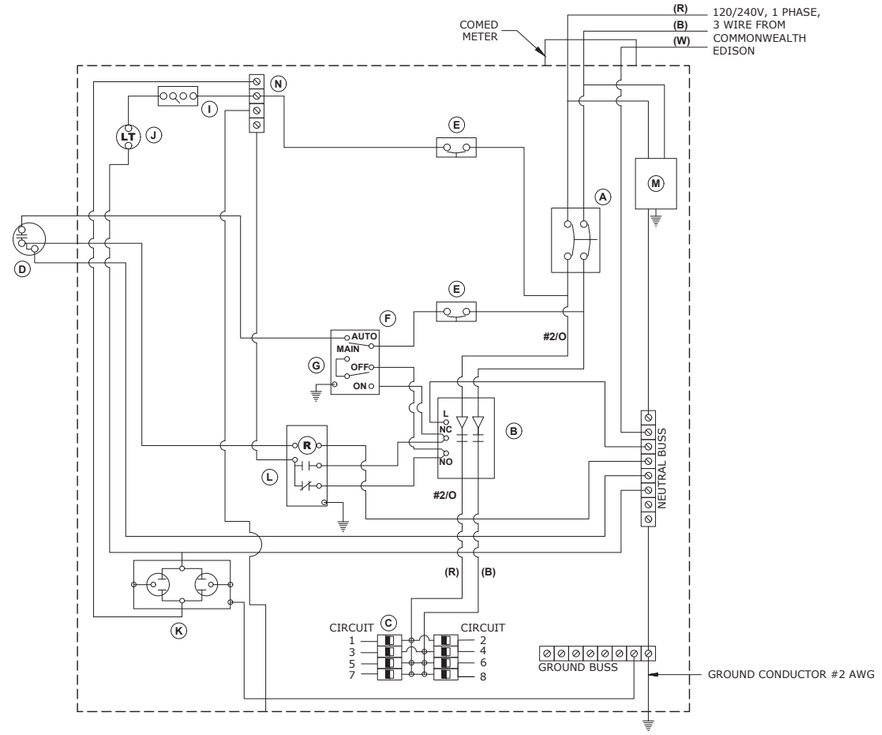


POLE BASE WIRING DIAGRAM

(NOT TO SCALE)

1. DOUBLE POLE FUSE HOLDER (HEX) WITH ONE 10 AMP FUSE AND ONE NEUTRAL SOLID SLUG TO LUMINAIRES.
2. DOUBLE POLE FUSE HOLDER (HEX) WITH ONE 10 AMP FUSE AND ONE NEUTRAL SOLID SLUG TO RECEPTACLE
3. PHASE CONDUCTORS SINGLE, 10 AWG, CU 600 V TO LUMINAIRES
4. PHASE CONDUCTORS SINGLE, 10 AWG, CU 600 V TO RECEPTACLE
5. NEUTRAL CONDUCTOR SINGLE, 10 AWG, CU 600 V
6. GROUND CONDUCTOR TO LUMINAIRES AND RECEPTACLE, 10 AWG
7. CABLE SPLICE (TYPICAL)
8. CIRCUIT TO NEXT POLE (AS APPLICABLE)
9. INSULATED GREEN GROUND CONDUCTOR TO GROUNDING ROD
10. INSULATED GROUND CONDUCTOR SIZE AS SHOWN ON PLANS

NOTES:
1. ALL FUSE HOLDERS SHALL INCLUDE BOOTS



DEVICE SCHEDULE

	QUANTITY	DESCRIPTION
A	1	100 AMP CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, SINGLE THROW, 600V FRAME, NON-INTERCHANGABLE TRIP, BOLT ON TYPE.
B	1	100 AMP, ELECTRICALLY OPERATED AND MECHANICALLY HELD LIGHTING CONTRACTOR, 2-POLE, 600 VOLT WITH 120 V COIL
C	8	120/240 VOLT 1 PHASE PANEL BOARD WITH 100 AMP COPPER MAINS SINGLE POLE, 30 AMP, 120 VOLT BOLT ON BRANCH CIRCUIT BREAKERS
D	1	PHOTO-ELECTRIC CELL, 120 VOLT, MOUNT ON UNDERSIDE OF VENT ON CONTROLLER
E	2	THERMAL MAGNETIC, MOLDED CASE CIRCUIT BREAKER, 1 POLE, 15 AMP, 120 VOLT BOLT ON TYPE
F	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 15 AMP, 120 VOLT
G	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20 AMP, 120 VOLT SPECIAL GRADE
I	1	MICRO SWITCH (MOUNTED WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN) 120 VOLT, 20 AMP
J	1	LED LIGHT FIXTURE VAPOR TIGHT WITH GLOBE, GUARD, AND MOUNTING BOX
K	1	120 VOLT, 20 AMP RECEPTACLE, SPECIFICATION GRADE IN NEMA 5-15R WEATHER PROOF BOX WITH FLAP-TYPE COVER. OUTLET TO BE GFI-TYPE.
L	1	POWER RELAY WITH 25 AMP CONTACTS RATED FOR CONTRACTOR INRUSH CURRENT - 120 VOLT COIL
M	1	5 WIRE SURGE ARRESTOR
N	1	TERMINAL BLOCK, 120 VOLT, 50 AMP MAXIMUM WITH NUMBER OF TERMINALS AS INDICATED

NOTES:
1. ALL CIRCUIT BREAKERS SHALL HAVE AN INTERRUPT RATING OF 18,000 AMPS
2. UL LISTED DEVICES/COMPONENTS SHALL BE USED
3. NO SPLICES OF WIRES IN CABINET
4. CONTROL WIRE TO BE #12 MTW
5. POWER WIRE SHALL BE RATED RHH/RHW 600 VOLTS OF SIZE INDICATED
6. LIGHTING CONTROLLER SHALL BE SERVICE ENTRANCE RATED
7. PANEL SHALL BE DEAD FRONT TO ALLOW OPERATION OF HOA SWITCH

120/240 VOLT 100 AMP CONTROLLER PANEL WIRING DIAGRAM

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\DETAILS.dwg Sep 04, 2026 - 9:20am

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
7108 Roosevelt Road
Westchester, IL 60154-2782
Phone: 708/865-0900
www.ahancock.com

DESIGNED -	IL	REVISED -
DRAWN -	AJ, DMM, SA, JCR	REVISED -
CHECKED -	---	REVISED -
DATE -	9-3-26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: - | SHEET NO. - OF - SHEETS | STA. - | TO STA. -

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	57
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

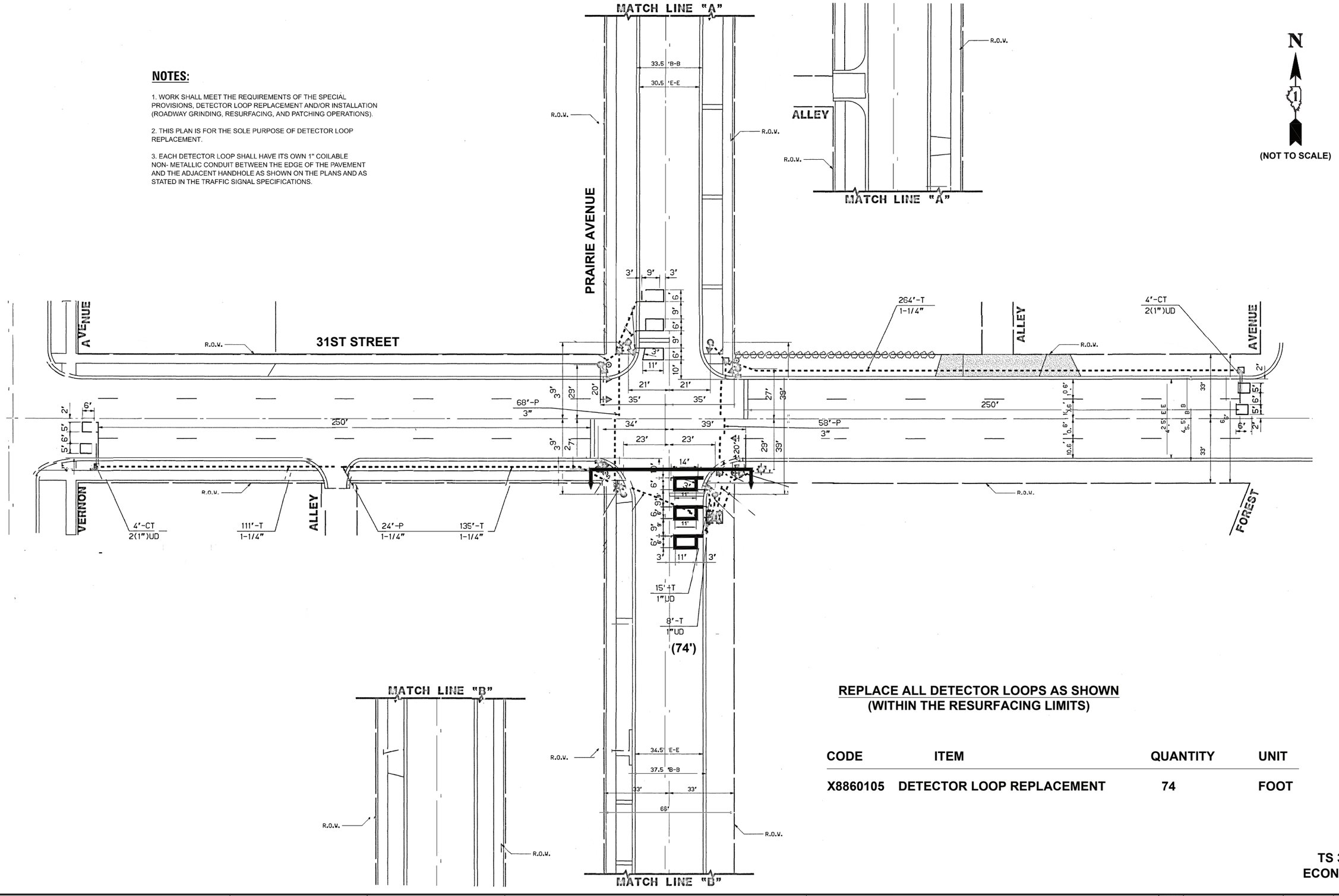
E.H.E. PROJECT NO. 125-25-25301

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

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



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	74	FOOT

TS 3691
ECON 120

HANCOCK ENGINEERING
CVI Engineers
Municipal Consultants
Established 1911
7109 Roosevelt Road
Westchester, IL 60154-2582
Phone: 708/345-0900
www.ehancock.com

DESIGNED -	5-8-26	REVISED -	7-23-26
DRAWN -	AJ, DMM, SA, JCR	REVISED -	
CHECKED -	5-12-26	REVISED -	
DATE -	9-3-26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

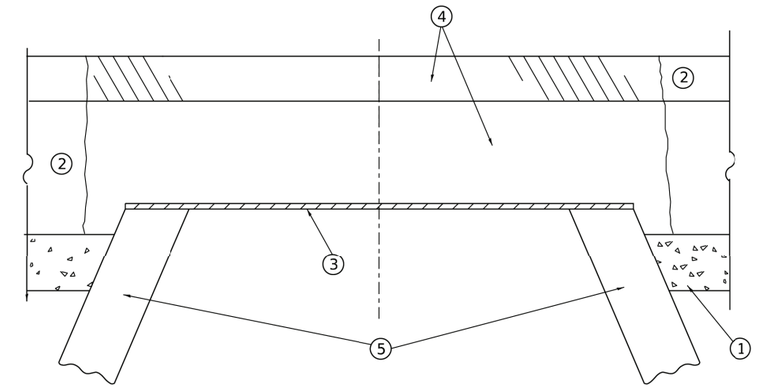
DETECTOR LOOP REPLACEMENT PLAN
PRAIRIE AVENUE AND 31ST STREET

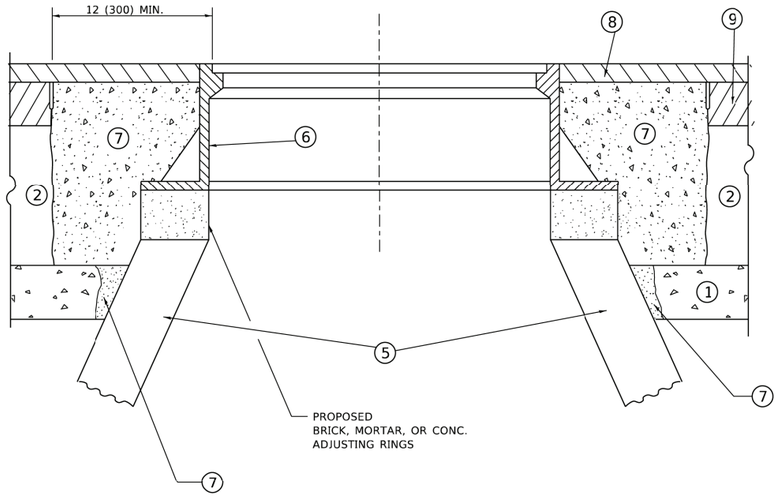
SCALE: - | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	59
FIELD BOOK NO. : -		CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (LAFO) Phase 1\detector loops.dwg Sep 04, 2026 - 9:20am





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

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	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.
2732	25-00139-00-RS	COOK	72	60
	BD600-03 (BD-8)	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

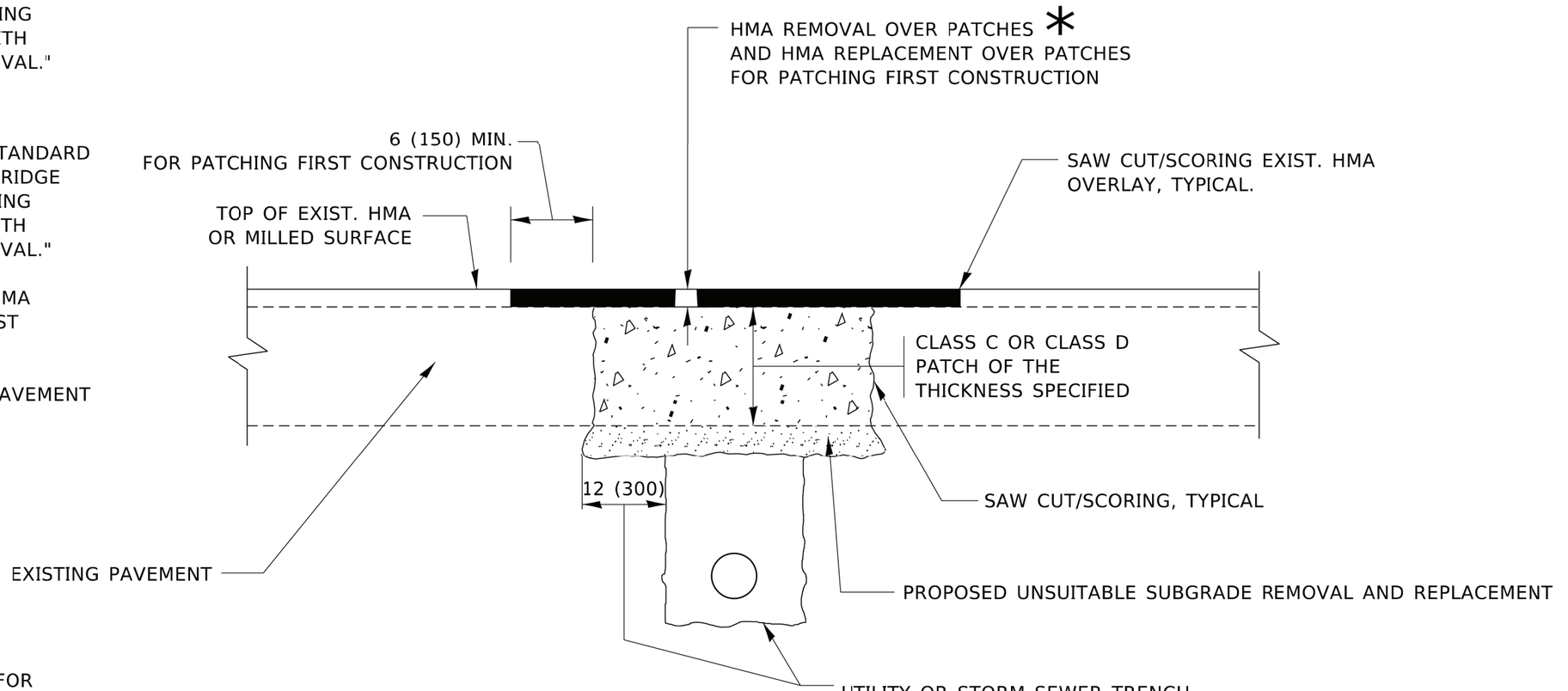
Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Poirie Ave Improvements (LAFO) Phase 1\DOT Standard.dwg Sep 04, 2026 - 9:20am

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED - R. BORO 09-04-07	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08	
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

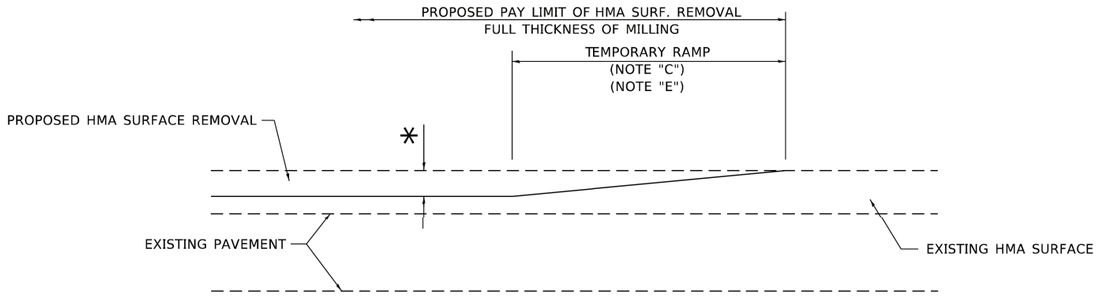
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	61
	BD400-04 (BD-22)	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

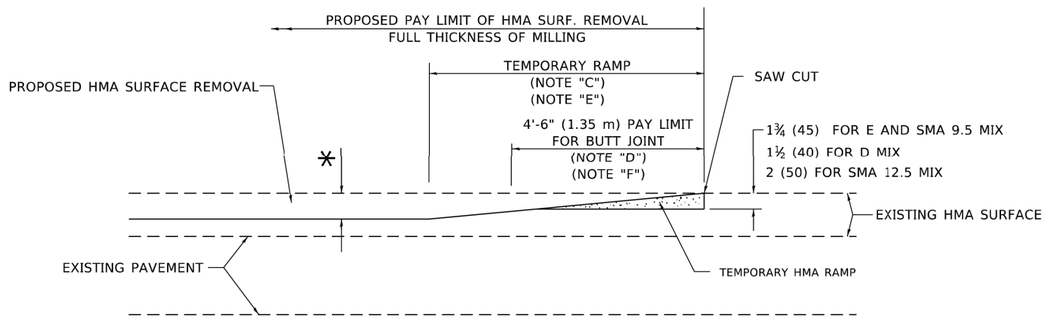
Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\IDOT Standard.dwg Sep 04, 2026 - 9:20am



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

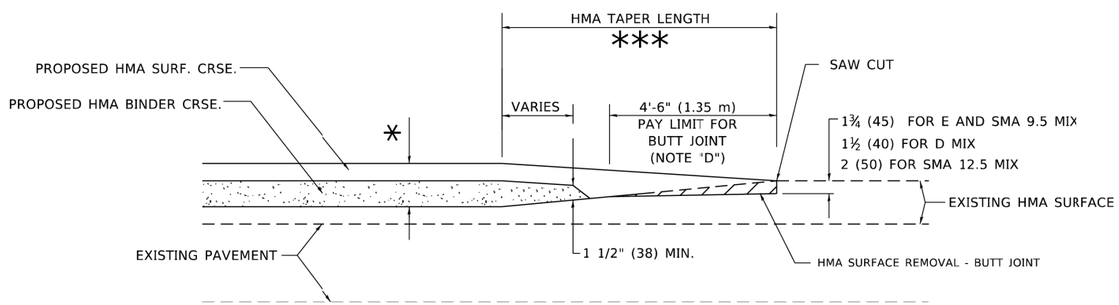


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

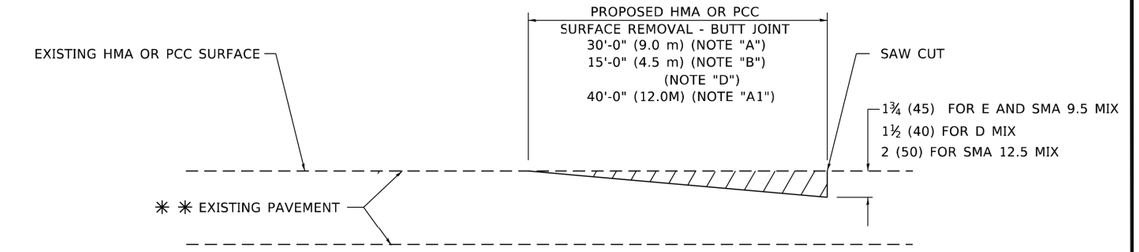
OPTION 2

TYPICAL TEMPORARY RAMP

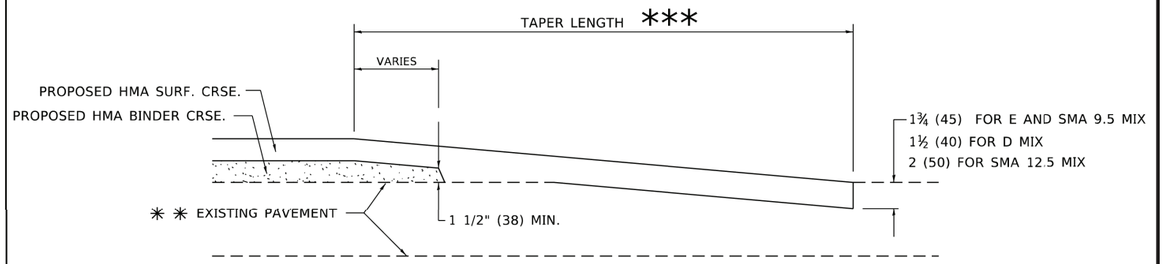


BUTT JOINT AND HMA TAPER

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) OTHERWISE SHOWN.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

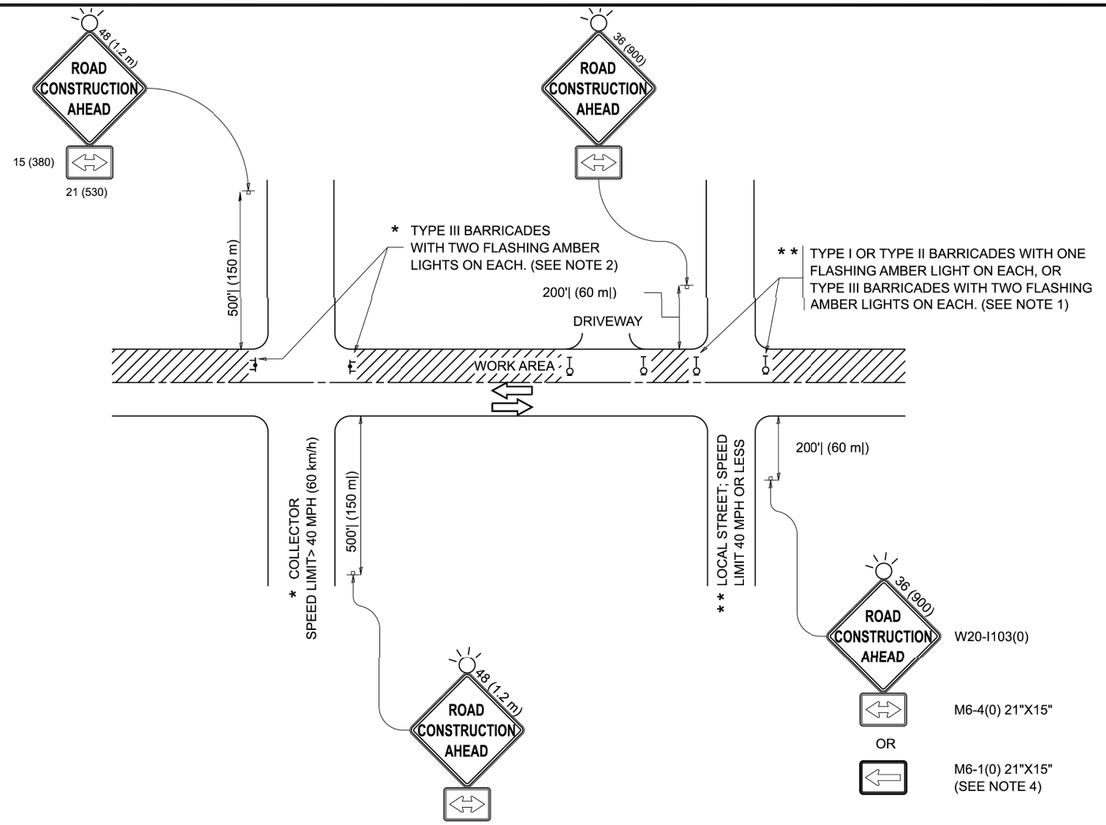
BUTT JOINT AND HMA TAPER DETAILS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	62
	BD400-05 BD32	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (JAFO) Phase 1\IDOT Standard.dwg Sep 04, 2026 - 9:20am



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.

USER NAME = lawrence.demanche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

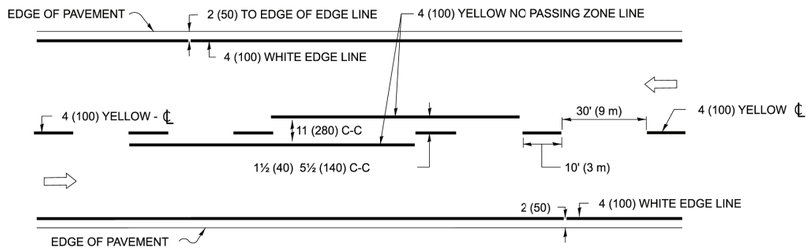
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

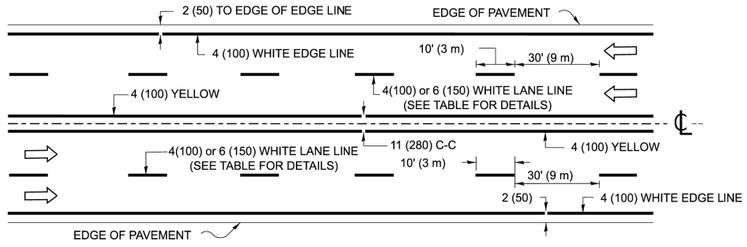
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	63
	TC-10	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

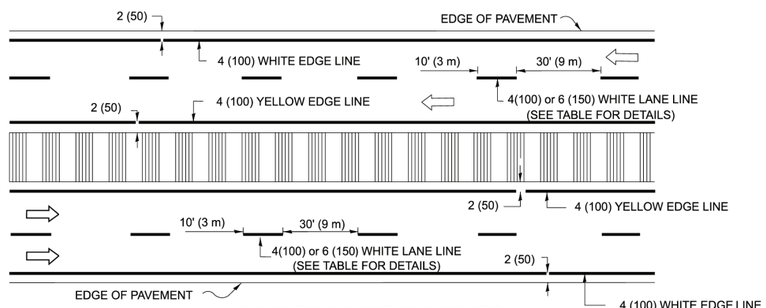
Drawing File: W:\Projects_by_Village\Brookfield\125252S3 - Poirie Ave Improvements (UAFO) Phase 1\IDOT Standard.dwg Sep 04, 2025 - 9:20am



2-LANE ROADWAY

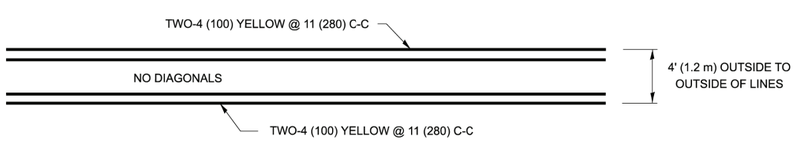


MULTI-LANE UNDIVIDED

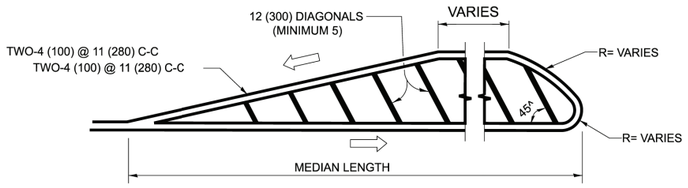


MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



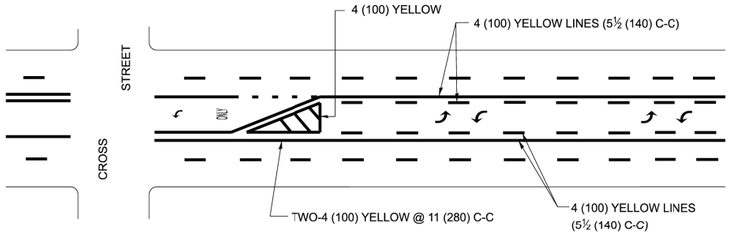
4' (1.2 m) WIDE MEDIANS ONLY



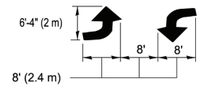
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

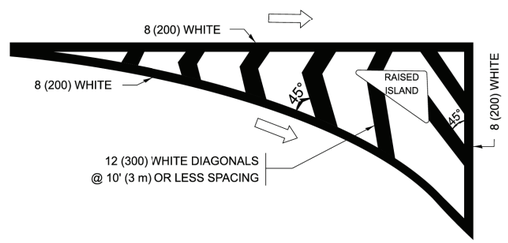


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

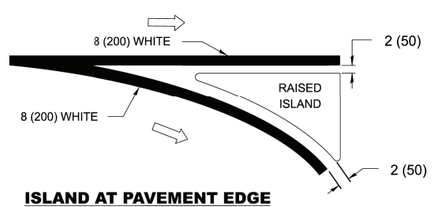


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

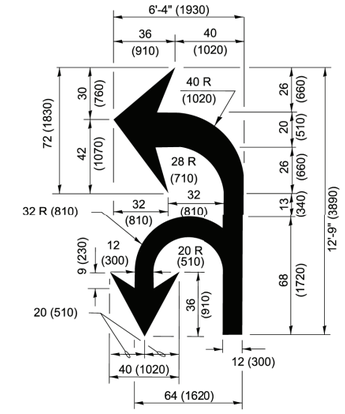


ISLAND OFFSET FROM PAVEMENT EDGE

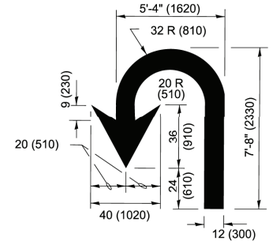


ISLAND AT PAVEMENT EDGE

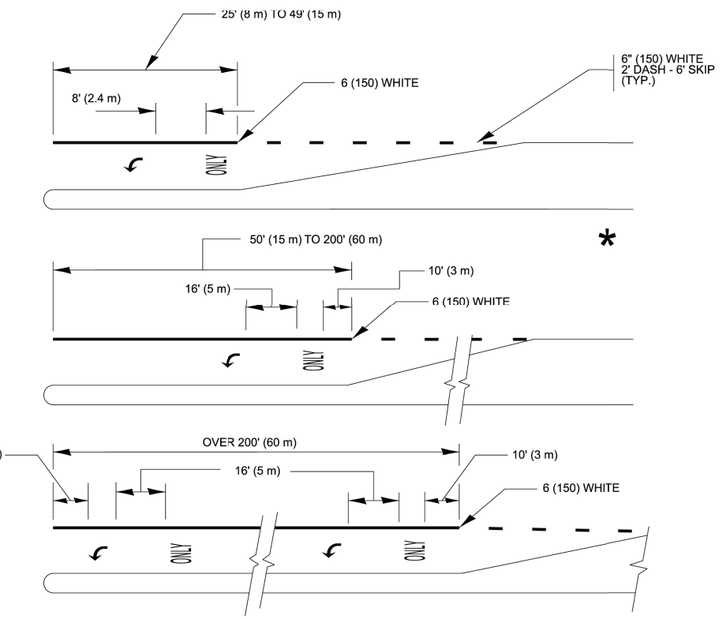
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

* 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 MARKING

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (JAFO) Phase 1\DOT Standard.dwg Sep 04, 2026 - 9:20am

E.H.E. PROJECT NO. 125-25-25301

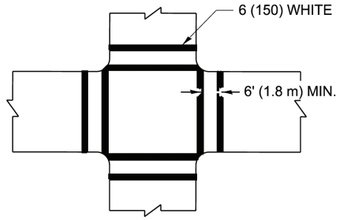
USER NAME = lawrence.demanche	DESIGNED - EVERS	REVISED - C. JUCIUS 07-01-13	
	DRAWN -	REVISED - C. JUCIUS 12-21-15	
PLOT SCALE = 0.08333317 ' / in.	CHECKED -	REVISED - C. JUCIUS 04-12-16	
PLOT DATE = 6/29/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

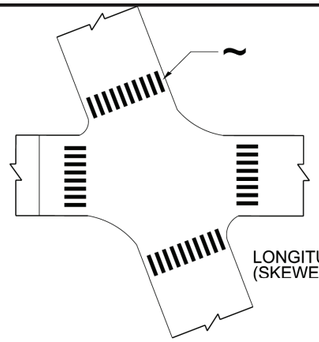
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

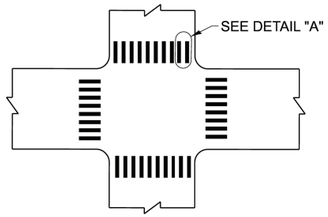
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	64
	TC-13	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



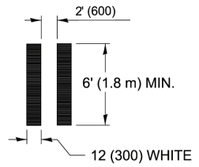
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

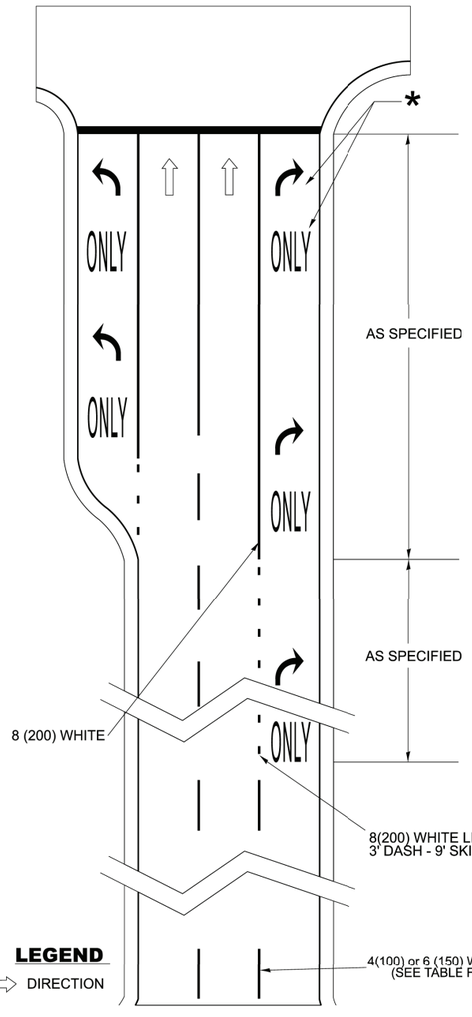


DETAIL "A"

TYPICAL CROSSWALK MARKING

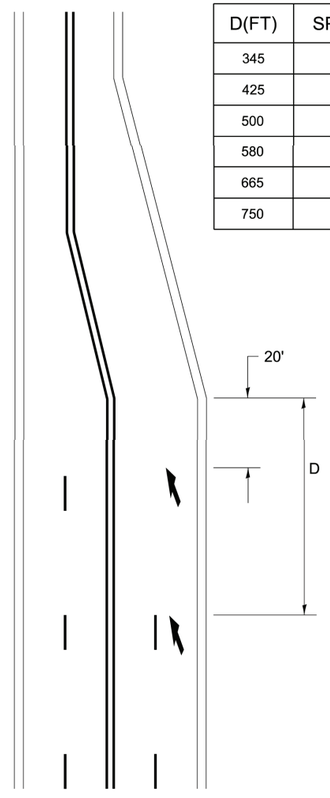
~ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC

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



ARTERIAL ROAD LANE-DROP MARKINGS

* FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.



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 FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) 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
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
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, TC 23 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
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
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	8 (200) 8 (200)	SKIP - DASH SOLID	WHITE WHITE	3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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.

USER NAME = lawrence.demanche	DESIGNED - EVERS	REVISED - C. JUCIUS 07-01-13
	DRAWN -	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 6/29/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

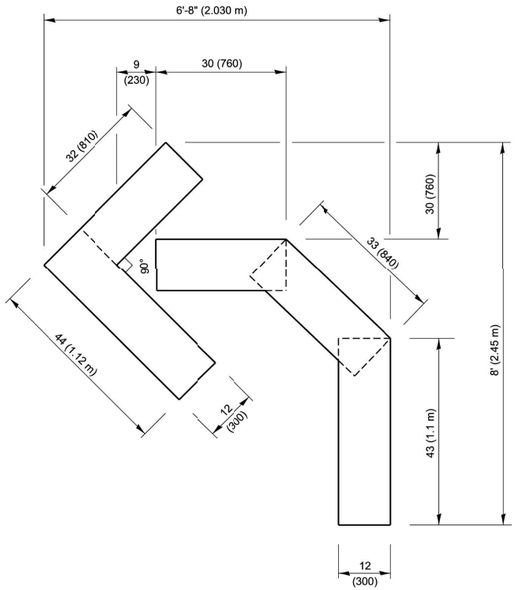
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	65
	TC-13	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

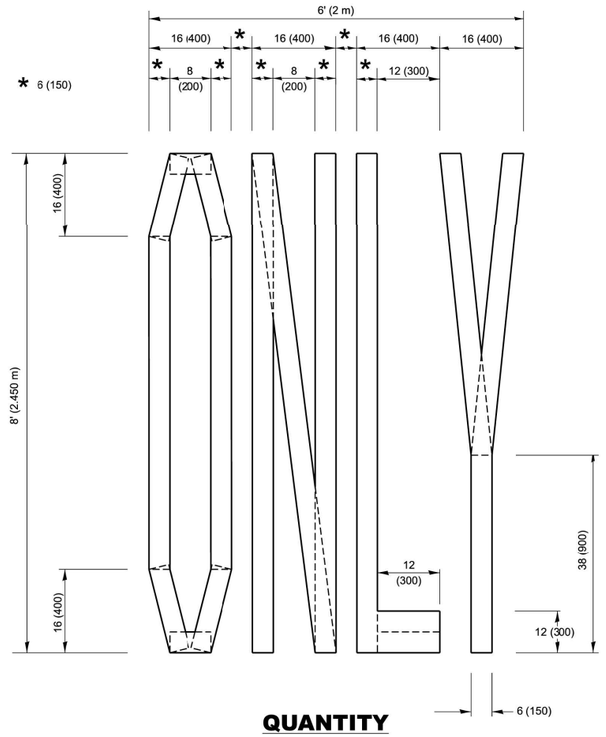
E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Fairie Ave Improvements (JAFO) Phase 1\DOT Standard.dwg Sep 04, 2026 - 9:20am



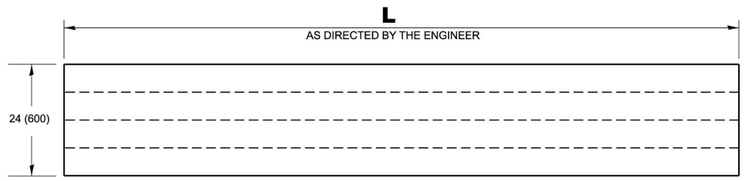
QUANTITY

6 (150) LINE = 30.4 ft. (9.27 m)
15.2 sq. ft. (1.41 sq. m)



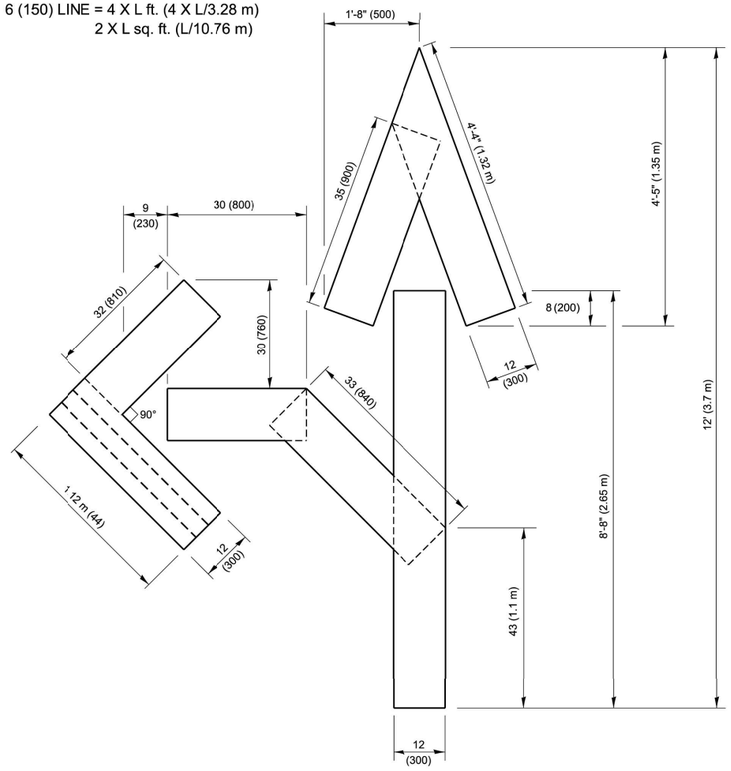
QUANTITY

6 (150) LINE = 64.1 ft. (19.5 m)
32.05 sq. ft. (2.98 sq. m)



QUANTITY

6 (150) LINE = 4 X L ft. (4 X L/3.28 m)
2 X L sq. ft. (L/10.76 m)

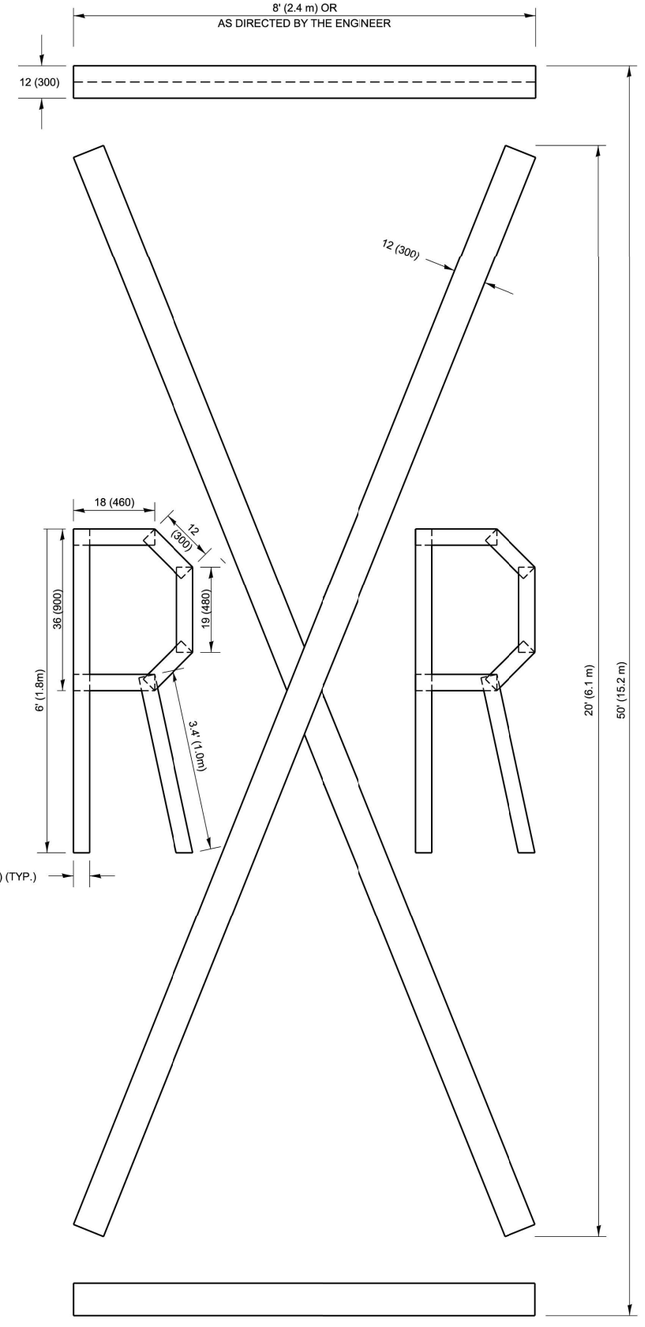


QUANTITY

6 (150) LINE = 55 ft. (16.76 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 6" LINES TO MATCH THE 6" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 6" TAPE REQUIRED.



QUANTITY

6 (150) LINE = 225.9 ft. (68.9 m)
112.95 sq. ft. (10.5 sq. m)

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

USER NAME = lawrence.demanche	DESIGNED -	REVISED - E. GOMEZ 08-28-00	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 0.08333317 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 9/15/2026	DATE - 09-18-94	REVISED - J. JONES 09-15-26	

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.
2732	25-00139-00-RS	COOK	72	66
	TC-16	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\IDOT Standard.dwg Sep 25, 2026 - 2:50pm

ROUTE MARKERS

30 — FOR U.S. ROUTES
M1-40-2424

ILL 53 — FOR ILLINOIS ROUTES
M1-50-2424

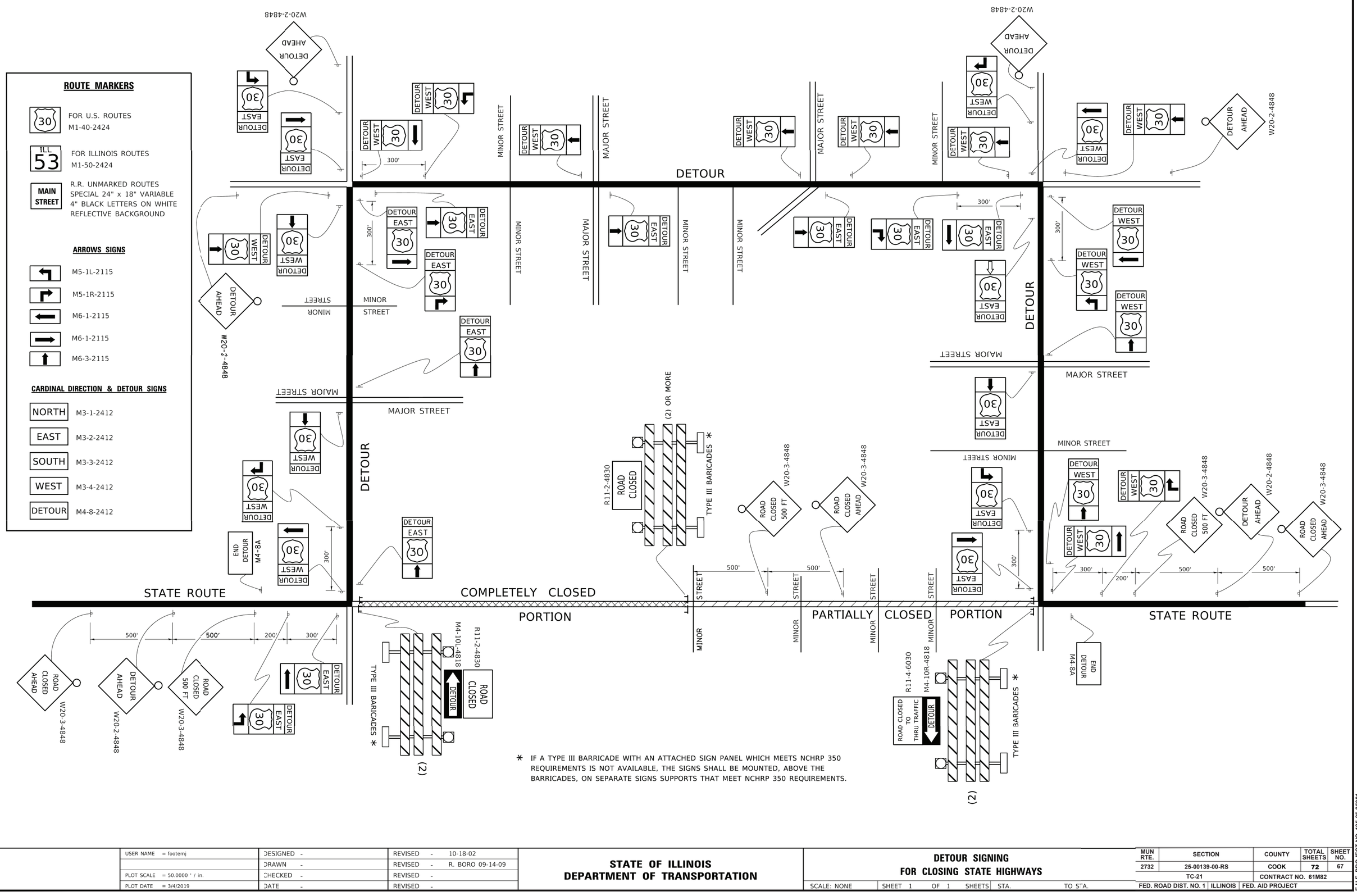
MAIN STREET — R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115
M5-1R-2115
M6-1-2115
M6-1-2115
M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

NORTH — M3-1-2412
EAST — M3-2-2412
SOUTH — M3-3-2412
WEST — M3-4-2412
DETOUR — M4-8-2412



* 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.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	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

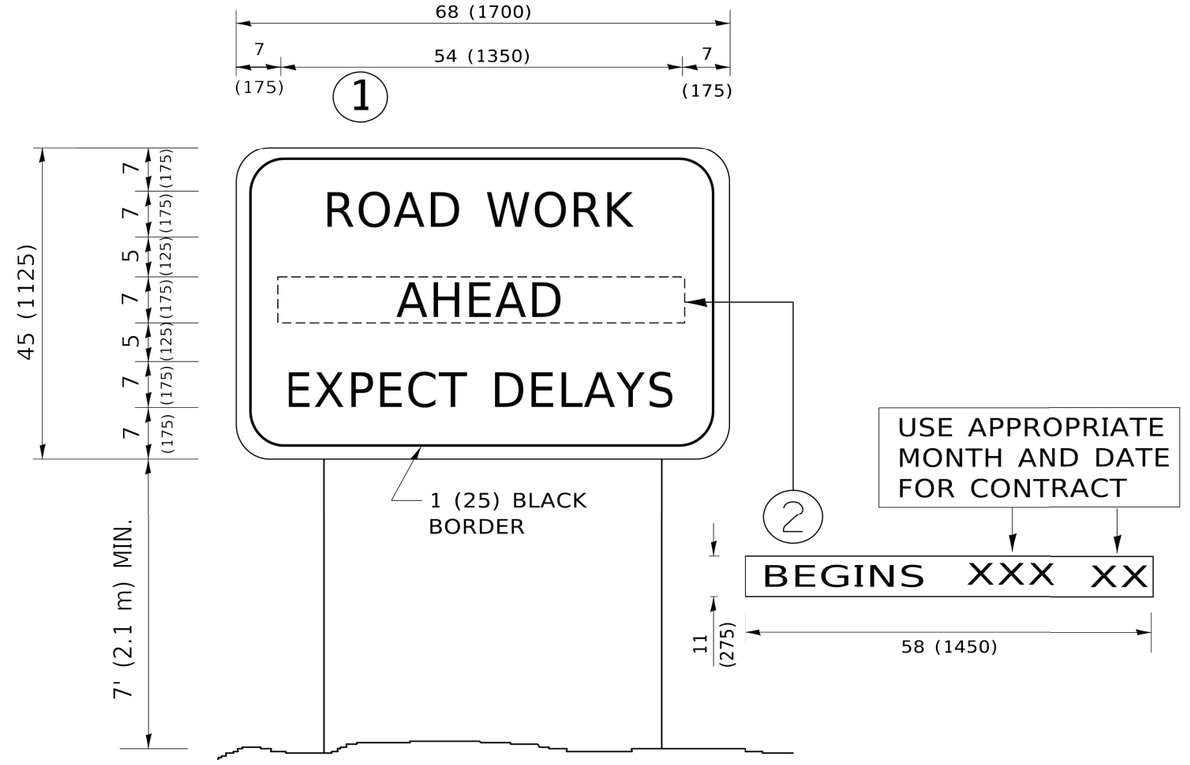
DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	67
	TC-21	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\125252S3 - Prairie Ave Improvements (JAFO) Phase 1\IDOT Standard.dwg Sep 04, 2026 - 9:20am



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.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

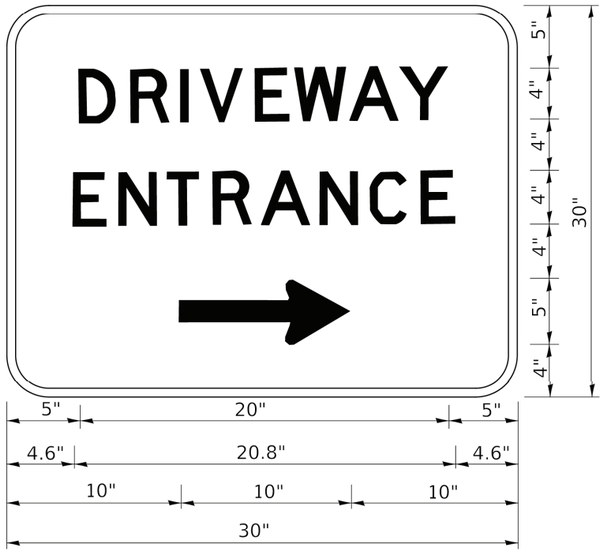
ARTERIAL ROAD INFORMATION SIGN

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	68
	TC-22	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\IDOT Standard.dwg Sep 04, 2026 - 9:20am



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\DOT Standard.dwg Sep 04, 2026 - 9:20am

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	69
	TC-26	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET		
UNINTERRUPTABLE POWER SUPPLY		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
CELLULAR MODEM	CM	CM
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 - PROGRAMMABLE	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		
CONFIRMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H H	H H
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER BUNGALOW		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVAL 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
WIRELESS DETECTOR SENSOR	W	W

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	R Y G — P EV	R Y G — P EV
SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	R Y C — RB P EV	R Y C — RB P EV
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C	5	5
ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR	1P	1P
SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	2#2 2#4 2#6	2#2 2#4 2#6
GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C	1#6	1#6
ELECTRIC CABLE, TRACER, NO. 14, 1/C	1	1
ELECTRIC CABLE, RAILROAD, NO. 14, 3/C	RAILROAD NO. 14 3/C 3	RAILROAD NO. 14 3/C 3
ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW	SOOW 3	SOOW 3
VENDOR CABLE	V	V
EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C	3#20	3#20
OUTDOOR RATED NETWORK CABLE	ONC	ONC
FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE	12F 24F 36F 24SM 48SM	24F 36F 24SM 48SM
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = $SCALE$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/15/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

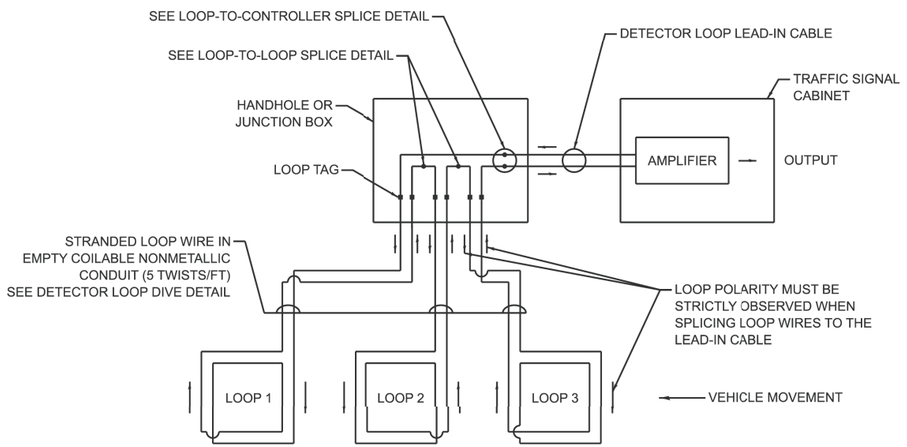
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	70
	TS-01	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

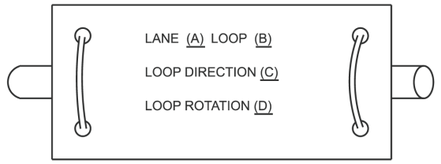
Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Forie Ave Improvements (LAFO) Phase 1\D0T Standard.dwg Sep 04, 2026 - 9:20am

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.



DETECTOR LOOP WIRING SCHEMATIC



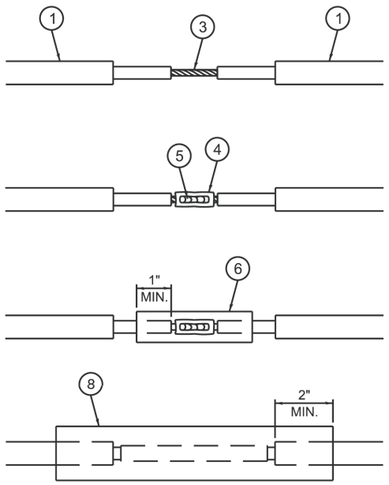
A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.

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

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

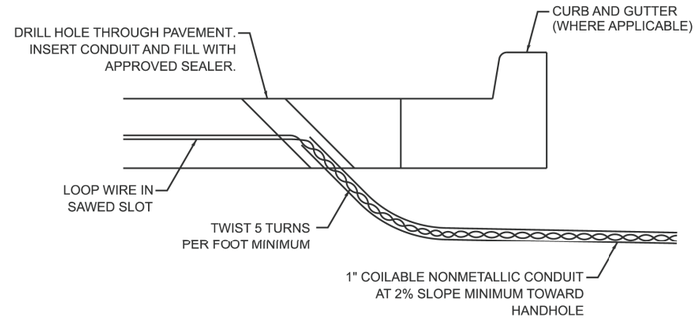
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

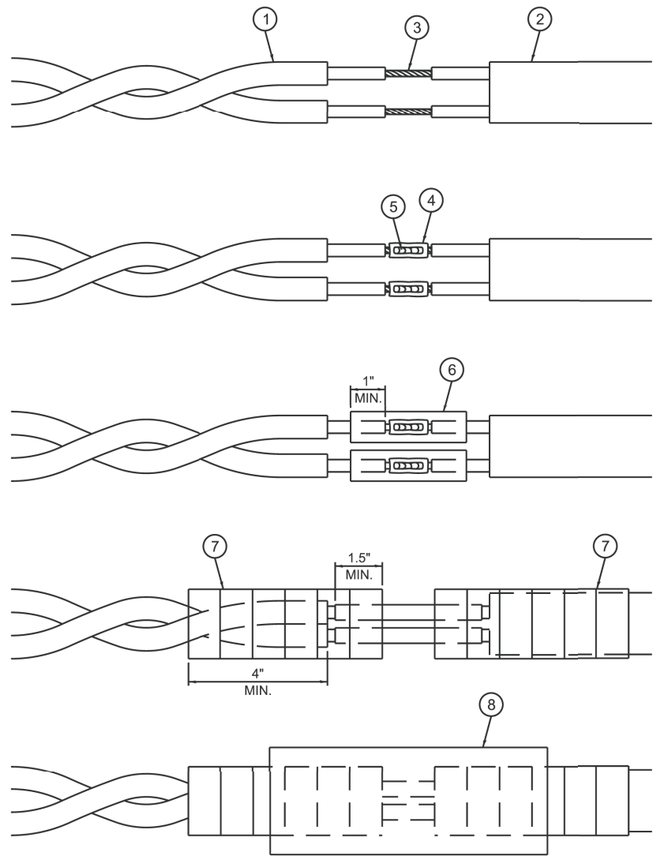


LOOP-TO-LOOP SPLICE DETAIL

1. DETECTOR LOOP CABLE.
2. DETECTOR LOOP LEAD-IN CABLE
3. BARE CONDUCTORS TWISTED TOGETHER.
4. BUTT SPLICE CRIMP CONNECTOR.
5. SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
6. WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
7. SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
8. WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL

Drawing file: W:\Projects_by_Village\Brookfield\12525253 - Prairie Ave Improvements (LAFO) Phase 1\DOT Standard.dwg Sep 04, 2026 - 9:20am

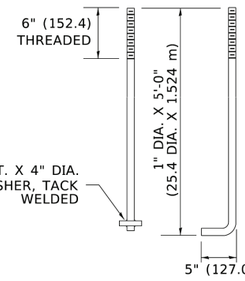
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
	DRAWN - IP	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - NB/KK	REVISED -			
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -		SCALE: NONE / SHEET 2 OF 7 SHEETS / STA. / TO STA.	

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	71
	TS-01	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

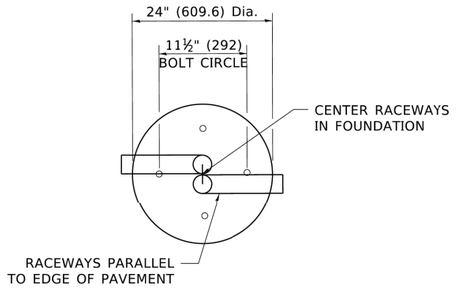
E.H.E. PROJECT NO. 125-25-25301

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

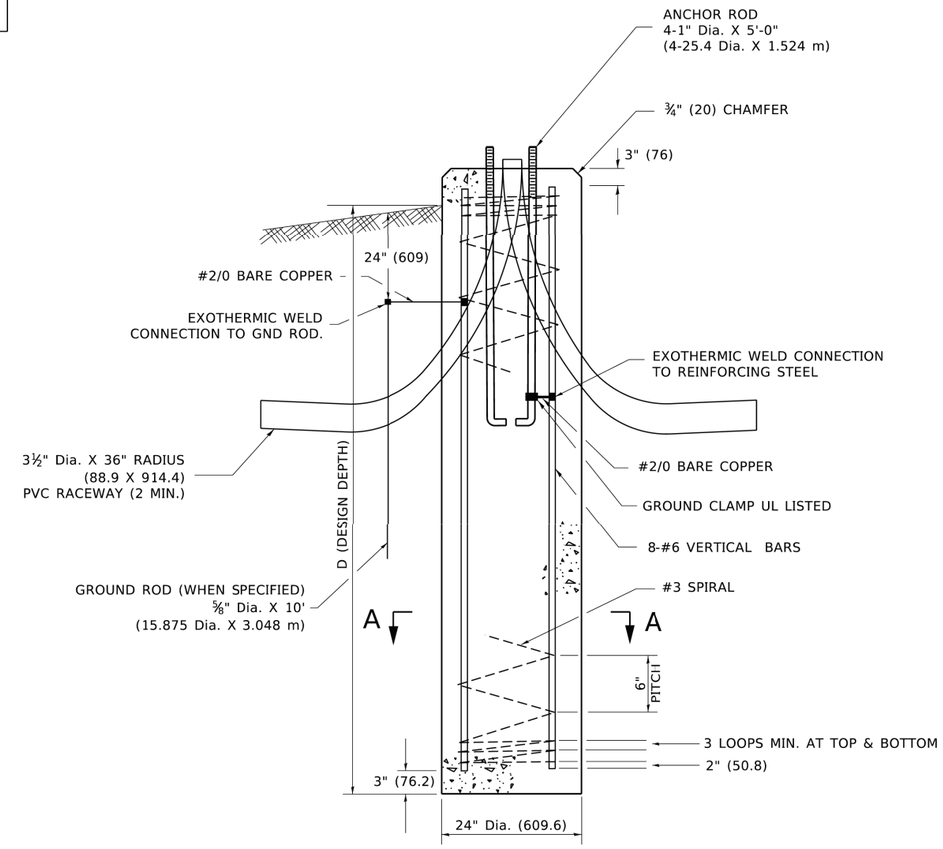
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND ∅ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND ∅ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND ∅ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



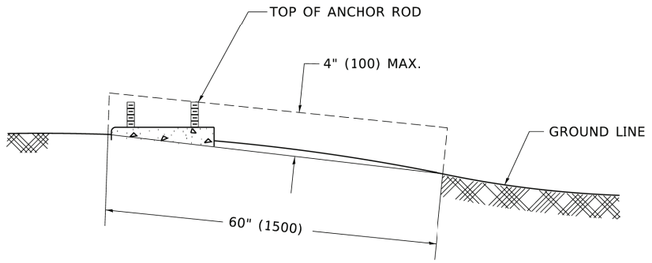
ANCHOR BOLT DETAIL



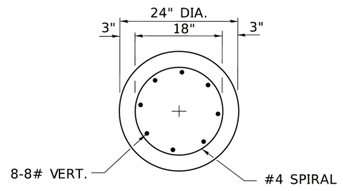
TOP VIEW



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
9. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
10. ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
11. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
12. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
13. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	25-00139-00-RS	COOK	72	72
	BE-300	CONTRACT NO. 61M82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 125-25-25301

Drawing file: W:\Projects_by_Village\Brookfield\12525253 – Poirie Ave Improvements (LAFO) Phase 1\IDOT Standard.dwg Sep 04, 2026 – 9:20am