

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

TRAFFIC DATA

ADT:
TONNE RD 8050 / 9200 VPD (2022) 11,800 VPD (2050)
LANDMEIER RD 10,300 VPD (2022) 17,200 VPD (2050)

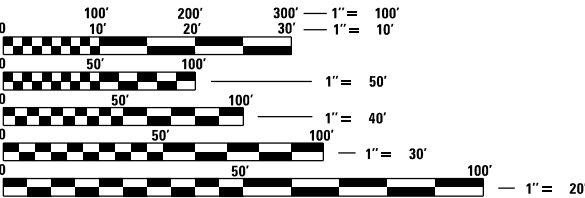
	SPEED POSTED	DESIGN SPEED
TONNE RD	30 MPH	35 MPH
LANDMEIER RD	30 MPH	35 MPH

DESIGN DESIGNATION

FAU 2652 (TONNE ROAD) - MAJOR COLLECTOR
FAU 1333 (LANDMEIER ROAD) - MINOR ARTERIAL

COORDINATE SYSTEM

NAD 83, IL-EAST STATE PLANE



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

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



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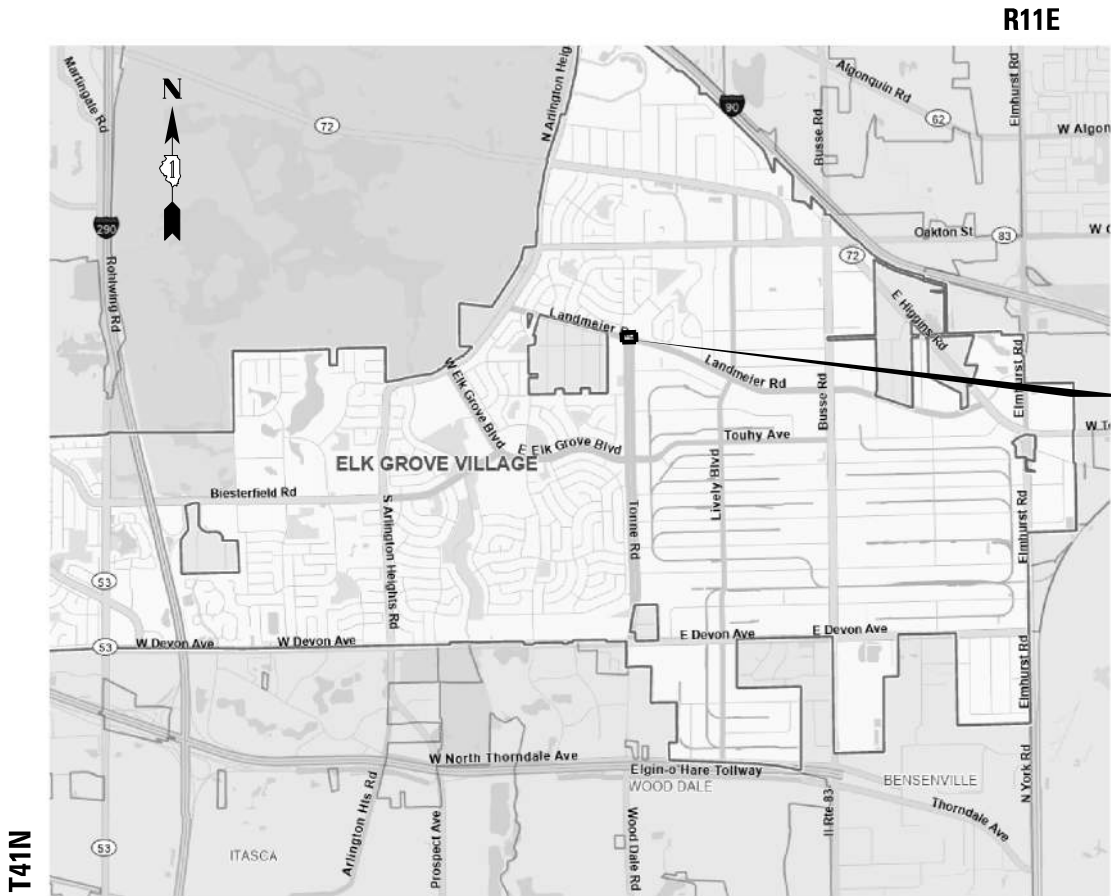
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ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

PROJECT ENGINEER: M. ZUZZIO
PROJECT MANAGER: T. HAMILTON

ELK GROVE VILLAGE
PLANS FOR PROPOSED

FAU ROUTE 1333 (LANDMEIER ROAD)
AT TONNE ROAD
WIDENING, SHARED-USE PATH
& TRAFFIC SIGNAL MODERNIZATION
ELK GROVE VILLAGE
COOK COUNTY



LANDMEIER ROAD
IMPROVEMENTS
STA. 502+81 (BEGINS)
STA. 510+40 (ENDS)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	1
		ILLINOIS	CONTRACT NO.	

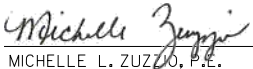


ELK GROVE VILLAGE

SUBMITTED _____ (DATE)

_____ ELK GROVE VILLAGE

PROFESSIONAL ENGINEER'S SIGN & SEAL



MICHELLE L. ZUZZIO, P.E.

10/09/2025
DATE

11/30/2025
EXPIRES



GROSS LENGTH = 423 FT. = 0.08 MILE
NET LENGTH = 423 FT. = 0.08 MILE

INDEX OF SHEETS

1		COVER SHEET
2		INDEX OF SHEETS, HIGHWAY STANDARDS & D1 DETAILS
3	- 4	GENERAL NOTES
5	- 8	SUMMARY OF QUANTITIES
9		EXISTING TYPICAL SECTIONS
10		PROPOSED TYPICAL SECTIONS
11		SCHEDULE OF QUANTITIES
12		ALIGNMENT TIES & BENCHMARKS
13		REMOVAL PLANS
14		PLAN AND PROFILES
15	- 22	DETOUR/SUGGESTED MAINTENANCE OF TRAFFIC
23		EROSION CONTROL PLANS
24	- 25	DRAINAGE PLAN AND PROFILES
26		INTERSECTION GRADING PLAN
27		PAVEMENT MARKING AND SIGNING PLANS
28	- 29	LANDSCAPING AND RESTORATION PLANS
30	- 45	TRAFFIC SIGNAL PLANS
46	- 48	SIDEWALK RAMP DETAILS
49	- 61	DISTRICT ONE DETAILS
62	- 66	COOK COUNTY DETAILS
67	- 72	CROSS SECTIONS - LANDMEIER ROAD

DISTRICT ONE DETAILS

STANDARD NO.	LIST OF DESCRIPTION
BD07	DETAIL OF STORM SEWER CONNECTION TO EXISTING STORM SEWER
BD24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC22	ARTERIAL ROAD INFORMATION SIGN
TC26	DRIVEWAY ENTRANCE SIGNING
TS02	MAST ARM MOUNTED STREET NAME SIGNS
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-0	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CURB FOR SIDEWALKS
424026-04	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-04	CLASS C AND D PATCHES
602011-02	CATCH BASIN, TYPE C
602301-04	INLET, TYPE A
604091-05	FRAME AND GRATE, TYPE 24
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD MOVING OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701601-09	URBAN LANE CLOSURE MULTILANE, 1 W 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, SW WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

VILLAGE OF ELK GROVE

INDEX OF SHEETS
LANDMEIER ROAD

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	2
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	



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Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633"/In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

MODEL: INDEX 1 [Sheet]
FILE NAME: 220706_sht_index_North.dgn

MODEL: GN 1 [Sheet]
FILE NAME: 220706_sht_gemnotes_01_North.dgn

GENERAL NOTES

1.

ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2025. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
3.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1, COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS (CCDOTH) AT (312) 603-1670 AND ELK GROVE VILLAGE AT (847) 357-4220 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
4.

ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
5.

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
6.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7.

SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER.
8.

DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. UNLESS OTHERWISE NOTED.
9.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
10.

THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
11.

CURB RAMPS SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DRIVEWAYS PER CURRENT IDOT STANDARDS AT LOCATIONS WHERE SIDEWALK IS SHOWN ON THE PLAN.
12.

THE CONTRACTOR SHALL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE OR CCDOTH PROPERTY WITHOUT WRITTEN CONSENT FROM THE VILLAGE OR CCDOTH.
13.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXEL TRUCK.
14.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
15.

AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) HAS BEEN PROVIDED FOR USE AT THE LOCATION INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) WILL BE IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC STANDARD AND CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOIL ARE NOT ENCOUNTER, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

PCC PATCHING LANDMEIER ROAD

1.

THE PLANS SHOW ONLY TYPICAL LOCATIONS FOR CLASS B PATCHES, COMBINATION CURB AND GUTTER REMOVAL, PAVEMENT REMOVAL AND REPLACEMENT WITH P.C. CONCRETE PAVEMENT, DIAMOND GRINDING, DRAINAGE STRUCTURE ADJUSTMENTS, MEDIAN REMOVAL AND REPLACEMENT AND OTHER COLLATERAL WORK. THE ACTUAL LOCATIONS OF ALL REQUIRED WORK SHALL BE IDENTIFIED BY THE ENGINEER AFTER COMPLETE INVESTIGATIONS OF THE EXISTING CONDITIONS. PAVEMENT REPAIR AREAS SHALL BE MARKED BY THE ENGINEER AFTER THE PROPER TRAFFIC PROTECTION DEVICES ARE ESTABLISHED.
2.

CARE SHALL BE TAKEN TO PROVIDE FOR A STRAIGHT EDGE TRANSVERSE BUTT JOINT AT EACH END OF THESE PATCH AREAS. THE EXISTING PAVEMENT SHALL BE SAW CUT TRANSVERSELY FULL DEPTH AT EACH END OF THE LANE PATCH. IF A TWO-LANE STAGED REMOVAL IS REQUIRED, THE LONGITUDINAL JOINT SHALL BE CUT FULL DEPTH.
3.

CARE SHALL BE TAKEN IN REMOVING THE EXISTING CONCRETE PAVEMENT SO AS NOT TO DAMAGE ANY CONCRETE PAVEMENT, MEDIAN, CURB AND GUTTER, OR REINFORCEMENT BARS THAT REMAIN IN PLACE. WHENEVER ANY TIE BARS ARE MISSING, THEY SHALL BE REPLACED WITH NO. 6 TIE BARS AT 36 IN. CENTERS IN ACCORDANCE WITH THE LONGITUDINAL CONSTRUCTION JOINT DETAIL ON IDOT STANDARD NO. 420001 AND ARTICLE 420.05(B) OF THE STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. DOWEL BARS SHALL BE DRILLED AND INSERTED IN ACCORDANCE WITH IDOT STANDARD NO. 442101 AND AS DIRECTED BY THE ENGINEER.
4.

PROPER CARE SHALL BE TAKEN TO MINIMIZE SUBBASE DISTURBANCE DURING PAVEMENT REMOVAL AND RESTORATION. ADJUSTMENTS TO THE SUBBASE WHICH SHALL BE REQUIRED DUE TO DISTURBANCE OF THE SUBBASE OR FOR LEVELING OR MINOR GRADE ADJUSTMENTS, AS DIRECTED BY THE ENGINEER, SHALL BE MADE USING SUBBASE GRANULAR MATERIAL, TYPE B.
5.

IT IS THE INTENT OF THIS CONTRACT TO REPAIR EXISTING RANDOM CRACKS AND LONGITUDINAL JOINTS THAT HAVE PREVIOUSLY BEEN SEALED WITH RUBBERIZED ASPHALT JOINT SEALER.
6.

CURB AND GUTTER AND MEDIAN SHALL BE REMOVED AS SHOWN ON THE PLANS. WHERE CURB OR MEDIAN BARS DO NOT EXIST OR WHERE EXISTING BARS HAVE A SECTION LOSS OF 25% OR MORE DUE TO CORROSION SHALL BE REPLACED.
7.

EXISTING REINFORCEMENT HAVING 25% OR MORE OF CROSS-SECTIONAL AREA LOST DUE TO CORROSION OR DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH NEW REINFORCEMENT BARS LAPPED AS SHOWN OR NOTED.
8.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53, GRADE 60.
9.

IN THE EVENT THAT UNSUITABLE MATERIALS, INCLUDING VOIDS, SOFT SPOTS OR OTHER DEFECTS, ARE FOUND IN THE DISTRESSED PAVEMENT AREAS TO BE REMOVED AND REPLACED WITH PATCHING, THE ENGINEER MAY DIRECT THE CONTRACTOR TO REMOVE AND REPLACE THE UNSUITABLE MATERIALS WITH SUBBASE GRANULAR MATERIAL, TYPE B 6".
10.

ALL PAVEMENT STUBS SHALL BE 2'-0".

STORM SEWERS, WATER MAINS, AND UTILITIES

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
2.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
3.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR.
4.

ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
5.

THE CONTRACTOR SHALL COORDINATE WITH ELK GROVE VILLAGE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE VILLAGE WITHIN THE DURATION OF THE CONTRACT.
6.

OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
7.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE.
8.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
9.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY AND BE DELIVERED TO ELK GROVE VILLAGE PUBLIC WORKS FACILITY, AS APPLICABLE.
10.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
11.

CONTRACTOR SHALL MAINTAIN THE CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT CONNECTIONS WITH SEWERS OR CULVERTS ARE BUILT AND IN SERVICE.
12.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON WATER STRUCTURES SHALL BEAR THE WORD "WATER." ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "SANITARY". REFER TO THE ELK GROVE VILLAGE DETAILS FOR ORDERING INFORMATION OR CONTACT THE DEPARTMENT OF PUBLIC WORKS.
13.

ONLY HDPE ADJUSTMENT RINGS UNDER 4" THICK, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.
14.

THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THE WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.

BACKFILL

1.

STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
2.

PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE. BACK FILLING STORM AND SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART.550.07 (b,c) OF THE SSRBC WILL NOT BE ALLOWED.

SIGNING AND STRIPING

1.

IF ANY EXISTING PAVEMENT MARKING AND / OR SIGNING ALONG COOK COUNTY ROADWAYS IS DAMAGED DUE TO CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES, PAVEMENT MARKING, AND SIGNAGE INCLUDED IN THE PLANS.
2.

SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
3.

SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
4.

IN ACCORDANCE TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
5.

LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN

6.

ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. ALL SIGNS TO BE REMOVED WITHIN CCDOTH PROPERTY SHALL REMAIN THE PROPERTY OF CCDOTH AND SHALL BE RETURNED TO CCDOTH UPON REMOVAL TO THE COOK COUNTY HIGHWAY MAINTENANCE FACILITY UPON REMOVAL AT 2325 N MEACHAM ROAD, SCHAUMBURG, IL. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF THE COUNTY UNTIL PERMANENTLY REMOVED. PRIVATE SIGNS THAT REQUIRE REMOVAL/RELOCATION SHALL BE COORDINATED WITH THE PROPERTY OWNER. THE REMAINING SIGNAGE TO BE REMOVED WITHIN TONNE ROAD ROW SHALL REMAIN THE PROPERTY OF ELK GROVE VILLAGE AND SHALL BE RETURNED UPON REMOVAL TO ELK GROVE VILLAGE PUBLIC WORKS AT 450 E. DEVON AVENUE, ELK GROVE VILLAGE.
7.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
8.

ELK GROVE VILLAGE AND PRIVATE WAYFARE SIGNAGE, WHICH IS TO REMAIN, SHALL BE PROTECTED DURING CONSTRUCTION.
9.

THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY TRAFFIC OPERATIONS DIVISION AT (708) 974-6862 OR (312) 603-1660, TEN (10) DAYS PRIOR TO THE ESTIMATED DATE THAT THE ROADWAY WILL BE READY FOR THE APPLICATION OF PERMANENT PAVEMENT MARKING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE ROADWAY CLEANED OF ANY DIRT, GRAVEL, OIL, ETC. ON THE DAY PAVEMENT MARKING IS APPLIED.

EARTHWORK

1.

SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.
2.

PRIOR TO ANY EMBANKMENT PLACEMENT, ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL AS APPROVED BY THE ENGINEER.
3.

THE AGGREGATE GRADATION FOR "THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

TRAFFIC CONTROL

1.

SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.
2.

CONTRACTOR WILL BE REQUIRED TO SCHEDULE WORK AND COORDINATE TRAFFIC CONTROL WITH ADJACENT TONNE ROAD CONTRACTOR.

TRAFFIC SIGNALS

1.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.
3.

LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS FOR TRAFFIC SIGNAL MAST ARM/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER AS COORDINATED WITH COOK COUNTY DEPARTMENT OF TRANSPORTATION TO ENSURE ADA COMPLIANCE.
4.

THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
5.

THE CONTRACTOR SHALL LOCATE AND MARK ALL LOCATIONS OF LOOP DETECTORS AND CONTACT THE COUNTY DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF LOOPS.
6.

ALL LOOP DETECTORS SHALL BE ANALYZED BY THE DESIGN ENGINEER AND RE-CUT IF NECESSARY.
7.

ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.
8.

THE CORNERS OF ALL NEW LOOP DETECTORS SHALL BE CORE DRILLED INCLUDING AT PAVEMENT JOINTS AND CRACKS.
9.

VEHICLE LOOP DETECTORS SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT.

EROSION CONTROL

1.

ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
2.

SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
3.

ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODIBLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
4.

RECEPTACLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTACLES AND THEIR LOCATION MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
5.

HAY OR STRAWS BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.

HRGreen HRGreen.com Illinois Professional Design Firm # 184-001322 HRGreen®	USER NAME	= mzuuzdo	DESIGNED	-	REVISED	-	VILLAGE OF ELK GROVE	GENERAL NOTES LANDMEIER ROAD					FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-	REVISED	-							1333		COOK	72	3
	PLOT SCALE	= 0.16666633 "/In.	CHECKED	-	REVISED	-							CONTRACT NO.				
	PLOT DATE	= 10/13/2025	DATE	-	REVISED	-							SCALE:	SHEET	1	OF	2

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EROSION CONTROL

6.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
7.
- WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
8.
- GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES, IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
9.
- CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
10.
- ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
11.
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ON-HALF OF THE HEIGHT OF THE FILTER DEVICE.
12.
- ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
13.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
14.
- THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1⁄2 INCH PRECIPITATION. DAMAGE AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS.
15.
- THE QUANTITIES FOR EROSION CONTROL MEASURES ARE APPROXIMATE, AND ARE TO BE FIELD LOCATED BY THE CONTRACTOR, AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION. EROSION CONTROL MEASURES TO BE MAINTAINED AND ADJUSTED AS NECESSARY BASED ON CONSTRUCTION STAGING AND SEQUENCING.

LANDSCAPING

1.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
2.
- ANY TREE LIMBS THAT ARE BROKEN BY CONSTRUCTION EQUIPMENT MUST BE PRUNED CORRECTLY WITHIN 72 HOURS.
3.
- EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
4.
- TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIPLINE OF THE TREES WITHIN THE LIMITS OF THE CONSTRUCTION DESIGNATED TO REMAIN TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN TREE ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHING THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
5.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING BODY OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
6.
- ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, HEALTHY AND DISEASE FREE, AND BE TYPICAL OF THE SPECIES.
7.
- PLANTS ARE TO BE SELECTED AND SIZED AS SHOWN ON THE PLANT SCHEDULE.

COMMITMENTS

1.
- TREES THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1" THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

COMED

1.
- THERE ARE EXISTING OVERHEAD DISTRIBUTION ELECTRICAL FACILITIES LOCATED IN THE AREA OF THE SUBJECT IMPROVEMENT. ALL WORKERS SHALL FOLLOW THE CURRENT OSHA RULES AND OTHER APPLICABLE GUIDELINES REGARDING WORKING SAFELY AROUND ELECTRICAL POWER LINES. PLEASE CALL 1-800-334-7661 TO REQUEST "FACILITY PROTECTION", PLEASE BE AWARE THAT CHARGES MAY BE INVOLVED. IT IS IMPERATIVE THAT UNDERGROUND LOCATES BE MADE PRIOR TO ANY EXCAVATION. PLEASE CONTACT J.U.L.I.E. AT 1-800-892-0123 TO MAKE ARRANGEMENTS.
2.
- IF LARGE EQUIPMENT WILL BE USED NEAR EXISTING OR PROPOSED OVERHEAD LINES, FACILITY PROTECTION MAY BE REQUIRED. PLEASE NOTE THAT MINIMUM SAFE DISTANCES MUST BE MAINTAINED FROM ENERGIZED LINES PER OSHA 1910.333. SLEEVING OR DE-ENERGIZING LINES (≠ 34,000 VOLTS) MAY BE AN OPTION DEPENDING ON VOLTAGE AND CONFIGURATION OF THE SYSTEM. PLEASE CALL 1-800-334-7661 TO CREATE A TICKET FOR LINE PROTECTION. ANY SHUTDOWNS OF ENERGIZED LINES MUST UNDERGO A FEASIBILITY STUDY AND BE APPROVED BY COMED OPERATIONAL CONTROL CENTER. THIS PROCESS MAY TAKE SEVERAL MONTHS, SO CALL EARLY IN YOUR PROJECT.
3.
- PLEASE BE AWARE THAT COMED IS BOUND BY ICC REGULATION TO PROVIDE LEAST COST SERVICE TO OUR CUSTOMERS. IF CONTRACTORS HAVE THE CAPABILITY TO INSTALL FACILITIES USING EQUIPMENT THAT WILL NOT INTERFERE WITH EXISTING INSTALLATIONS (AS OPPOSED TO LARGER CRANES) THEY ARE OBLIGATED TO DO SO.
4.
- THE PRIMARY CONTACT FOR THIS PROJECT IS JAMES CAMPBELL III AT COMED - PUBLIC RELOCATION DEPT., THREE LINCOLN CENTER, SUITE 600, OAKBROOK TERRACE, IL 60181, 630-940-6805
JAMES.CAMPBELLIII@COMED.COM, COMED REF.# H26971MP.

COORDINATION WITH ADJACENT AND OVERLAPPING CONTRACTS

1.
- THIS CONTRACT ABUTS AND/OR OVERLAPS WITH CONCURRENT CONTRACTS, EACH CONTRACT INCLUDES WORK ITEMS REQUIRING CLOSE COORDINATION BETWEEN VARIOUS CONTRACTORS REGARDING THE SEQUENCE AND TIMING OF EXECUTION OR WORK ITEMS. THIS CONTRACT ALSO INCLUDES CRITICAL WORK ITEMS THAT AFFECT STAGING OF TRAFFIC AND STORM SEWER INSTALLATION.

CONTRACT:
ELK GROVE VILLAGE - LANDMEIER ROAD AT TONNE ROAD, ROADWAY WIDENING AND TRAFFIC SIGNAL MODIFICATIONS. COOK COUNTY DEPARTMENT OF TRANSPORTATION - LANDMEIER ROAD (CH A68) - ARLINGTON HEIGHTS ROAD TO WEST OF BUSS ROAD IMPROVEMENTS.



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VILLAGE OF ELK GROVE

GENERAL NOTES
LANDMEIER ROAD

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	4
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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VILLAGE OF ELK GROVE

SUMMARY OF QUANTITIES
LANDMEIER ROAD

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	5
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	64	64	
2	TEMPORARY FENCE	FOOT	27	27	
3	TREE ROOT PRUNING	EACH	2	2	
4	TRENCH BACKFILL	CU YD	10	10	
5	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	249	249	
6	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	95	95	
7	SEEDING, CLASS 2A	ACRE	0.1	0.1	
8	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
9	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
10	EROSION CONTROL BLANKET	SQ YD	550	550	
11	SUPPLEMENTAL WATERING	UNIT	27	27	
12	TEMPORARY EROSION CONTROL SEEDING	POUND	10	10	
13	PERIMETER EROSION BARRIER	FOOT	687	687	
14	INLET FILTERS	EACH	5	5	
15	TEMPORARY EROSION CONTROL BLANKET	SQ YD	505	505	
16	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	83	83	
17	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	83	83	

+ SPECIALTY ITEM

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
18	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	451	451	
19	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	117	117	
20	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SQ YD	117	117	
21	BITUMINOUS MATERIALS (PRIME COAT)	POUND	262	262	
22	BITUMINOUS MATERIALS (TACK COAT)	POUND	83	83	
23	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	12	12	
24	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	831	831	
25	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4057	4057	
26	PAVEMENT REMOVAL	SQ YD	378	378	
27	DRIVEWAY PAVEMENT REMOVAL	SQ YD	170	170	
28	COMBINATION CURB AND GUTTER REMOVAL	FOOT	940	940	
29	SIDEWALK REMOVAL	SQ FT	4119	4119	
30	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	10	10	
31	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	137	137	
32	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	800	800	
33	JOINT OR CRACK FILLING	POUND	267	267	
34	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	4	4	

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VILLAGE OF ELK GROVE

SUMMARY OF QUANTITIES
LANDMEIER ROAD

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	6
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
35	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	20	20	
36	STORM SEWER REMOVAL 15"	FOOT	9	9	
37	INLETS, TYPE A	EACH	2	2	
38	CONCRETE CURB, TYPE B	FOOT	209	209	
39	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,12	FOOT	190	190	
40	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24	FOOT	705	705	
+ 41	NON-SPECIAL WASTE DISPOSAL	CU YD	1456	1456	
+ 42	SOIL DISPOSAL ANALYSIS	EACH	1	1	
+ 43	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
+ 44	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
+ 45	REGULATED SUBSTANCES MONITORING	CAL DA	15	15	
46	MOBILIZATION	L SUM	1	1	
47	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	75	75	
48	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1820	1820	
49	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	25	25	
+ 50	SIGN PANEL - TYPE 1	SQ FT	19	19	
51	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	

+ SPECIALTY ITEM

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
+ 52	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15	
+ 53	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73	73	
+ 54	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2141	2141	
+ 55	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	645	645	
+ 56	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	130	130	
+ 57	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	45	45	
+ 58	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	75	75	
+ 59	RAISED REFLECTIVE PAVEMENT MARKER	EACH	25	25	
+ 60	ELECTRIC SERVICE INSTALLATION	EACH	1		1
+ 61	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1
+ 62	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	939		939
+ 63	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	306		306
+ 64	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	450		450
+ 65	HANDHOLE	EACH	5		5
+ 66	HEAVY-DUTY HANDHOLE	EACH	2		2
+ 67	DOUBLE HANDHOLE	EACH	2		2
+ 68	PAINT NEW TRAFFIC SIGNAL POST	EACH	8		8

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VILLAGE OF ELK GROVE

SUMMARY OF QUANTITIES
LANDMEIER ROAD

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	7
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	

	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
+	69	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	1		1
+	70	PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	4		4
+	71	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1430		1430
+	72	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2229		2229
+	73	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	897		897
+	74	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3366		3366
+	75	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1152		1152
+	76	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	145		145
+	77	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	848		848
+	78	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4
+	79	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1
+	80	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1
+	81	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1
+	82	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2		2
+	83	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1
+	84	CONCRETE FOUNDATION, TYPE A	FOOT	20		20
+	85	CONCRETE FOUNDATION, TYPE C	FOOT	4		4

+ SPECIALTY ITEM

	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
+	86	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50		50
+	87	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4
+	88	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1
+	89	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1		1
+	90	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5		5
+	91	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8		8
+	92	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3
+	93	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8
+	94	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12		12
+	95	DETECTOR LOOP, TYPE I	FOOT	378		378
+	96	LIGHT DETECTOR	EACH	5		5
+	97	LIGHT DETECTOR AMPLIFIER	EACH	1		1
+	98	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
+	99	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
+	100	REMOVE EXISTING HANDHOLE	EACH	6		6
+	101	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1
+	102	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9

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	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
+	103	SHRUB, LIGUSTRUM OBTUSIFOLIUM REGELIANUM (REGEL PRIVET), 3' HEIGHT, BALLED AND BURLAPPED	EACH	16	16	
+	104	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	739		739
	105	CONNECTION TO EXISTING SEWER	EACH	3	3	
+	106	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4
+	107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1
+	108	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2		2
+	109	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1		1
+	110	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	773		773
+	111	REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY	EACH	4	4	
+	112	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1	
	113	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	SQ YD	2330	2330	
+	114	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2	
	115	CATCH BASINS, TYPE C, WITH SPECIAL FRAME AND GRATE	EACH	1	1	
	116	CORRUGATED MEDIAN REMOVAL	SQ FT	3233	3233	
	117	CHANGEABLE MESSAGE SIGN	CAL MO	3	3	
	118	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
	119	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	

+ SPECIALTY ITEM

	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY	TRAFFIC SIGNALS
+	120	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1		1
+	121	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8
+	122	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12		12
+	123	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2
+	124	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1
	125	DETECTABLE WARNINGS, SPECIAL	SQ FT	16	16	
	126	CONSTRUCTION LAYOUT	L SUM	1	1	
	127	DRAINAGE STRUCTURE TO BE REMOVED	EACH	4	4	
	128	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	6	6	
	129	TEMPORARY PAVEMENT	SQ YD	69	69	
+	130	ENHANCED CROSSWALK, POLYMER CEMENT SURFACING	SQ FT	543	543	



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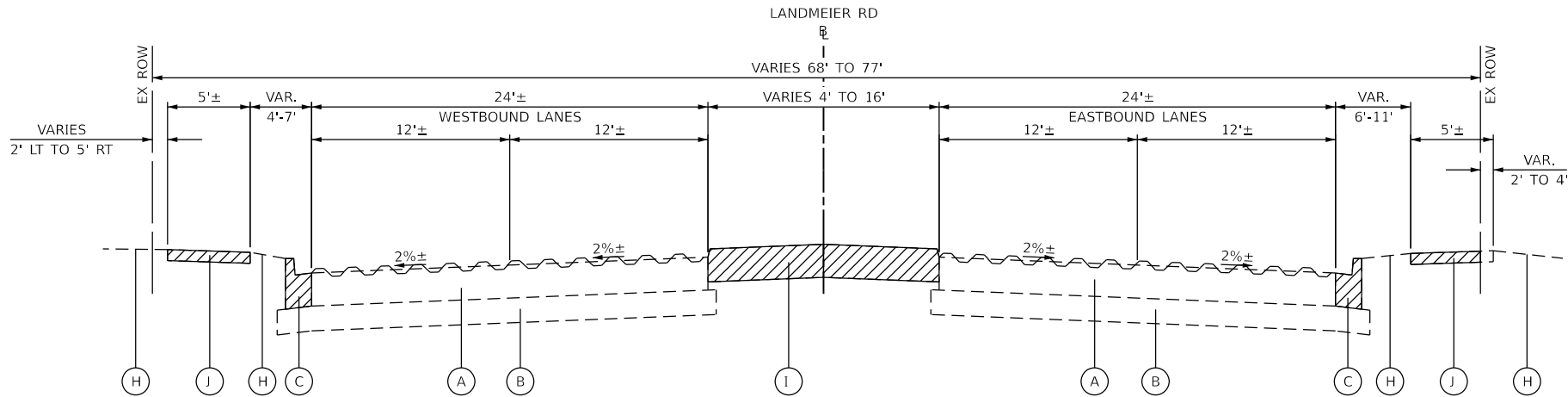
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VILLAGE OF ELK GROVE

SUMMARY OF QUANTITIES
LANDMEIER ROAD

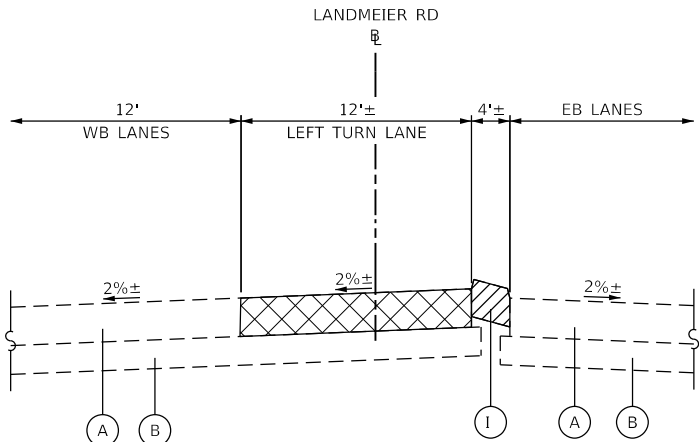
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	8
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION

LANDMEIER ROAD
STA. 502+95 TO STA. 507+18



LANDMEIER ROAD - LEFT TURN LANE
STA. 506+63 TO STA. 507+18

EXISTING LEGEND

- (A) EXISTING PCC PAVEMENT, 10"
- (B) EXISTING SUBGRADE MATERIAL
- (C) EXISTING BARRIER CURB & GUTTER
- (D) EXISTING HMA PAVEMENT (5"-10")
- (E) EXISTING SUBGRADE MATERIAL/PCC SUBBASE (6 1/4" - 15 1/2")
- (F) EXISTING MOUNTABLE/BARRIER CURB
- (G) EXISTING P.C.C. PAVEMENT, 8"
- (H) EXISTING TURF AREA
- (I) EXISTING CONCRETE CORRUGATED MEDIAN
- (J) EXISTING PCC SIDEWALK

LEGEND

- PAVEMENT REMOVAL
- REMOVAL ITEM
- DIAMOND GRADING
CONCRETE PAVEMENT

MODEL: Ex Typ 1 [Sheet]
FILE NAME: 220706_sht_TYP-exist_North.dgn



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USER NAME = mzuzda	DESIGNED -	REVISED -
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PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

EXISTING TYPICAL SECTIONS
LANDMEIER ROAD

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	9
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PROPOSED LEGEND

- 1 PCC PAVEMENT, 10" (JOINTED)
- 2 COMBINATION CONCRETE CURB & GUTTER, B6.12
- 3 COMBINATION CONCRETE CURB & GUTTER, B6.24
- 4 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 5 PCC SIDEWALK, 5"
- 6 PCC SHARED-USE PATH, 5" (PAID AS PCC SIDEWALK 5")
- 7 PCC PAVEMENT, 8" (JOINTED)
- 8 COMBINATION CONCRETE CURB & GUTTER, M4.12
- 9 AGGREGATE BASE COURSE, TY B, 4"
- 10 CONCRETE MEDIAN SURFACE, 4"
- 11 SEEDING, CLASS 2A W/ TOPSOIL FURNISH & PLACE, 4"
- 12 TURF SHOULDER (SEEDING, CLASS 2A W/ TOPSOIL FURNISH & PLACE, 4")
- 13 TYPE B CURB, 9"

EXISTING LEGEND

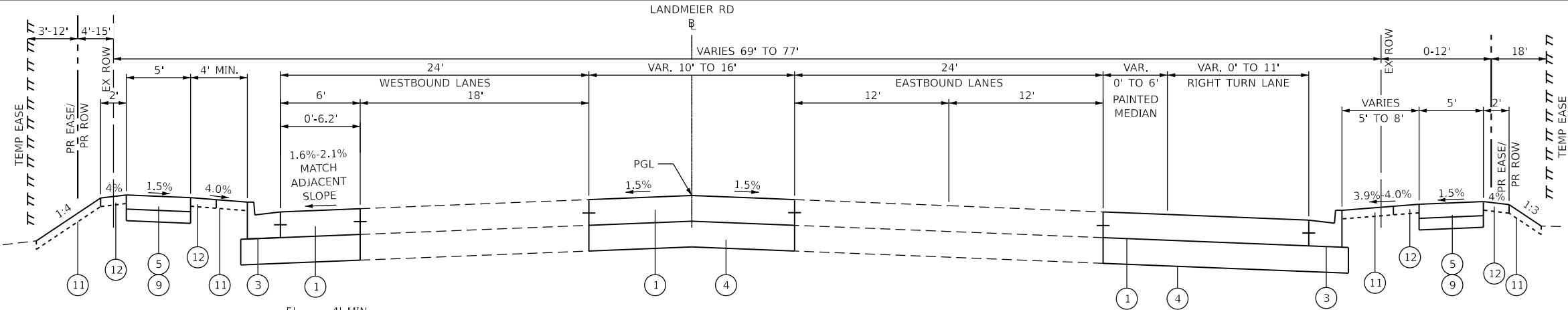
- A EXISTING PAVEMENT
- B EXISTING SUBGRADE MATERIAL
- C EXISTING CONCRETE CURB & GUTTER

NOTES:

AGGREGATE SUBGRADE IMPROVEMENT, (CU YDS) SHALL BE PLACED AT DIRECTION OF THE RESIDENT ENGINEER

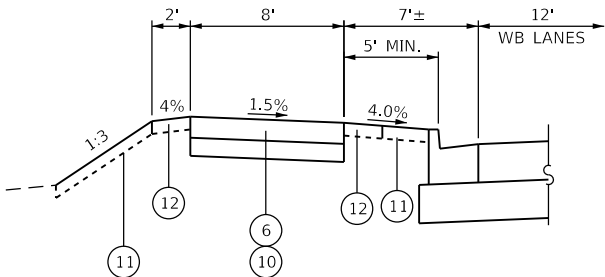
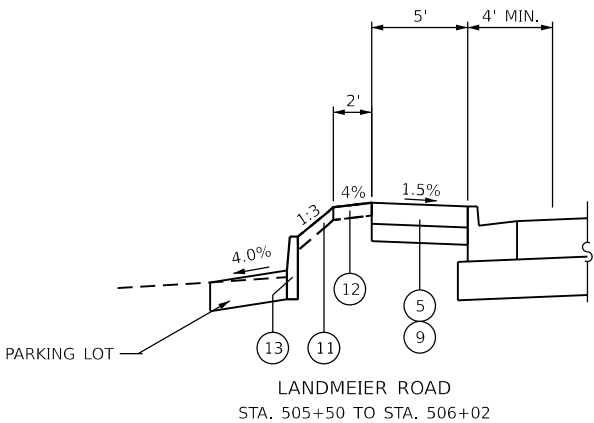
PROPOSED CURB AND GUTTER VARIES-SEE PNP SHEETS FOR LOCATION AND TYPE

SIDEWALK RAMPS WITHIN COOK COUNTY ROW SHALL BE 8". SIDEWALK / PATH SHALL BE 8" ADJACENT TO AND UNDER DRIVEWAYS. PAID AS PCC SIDEWALK, 5"

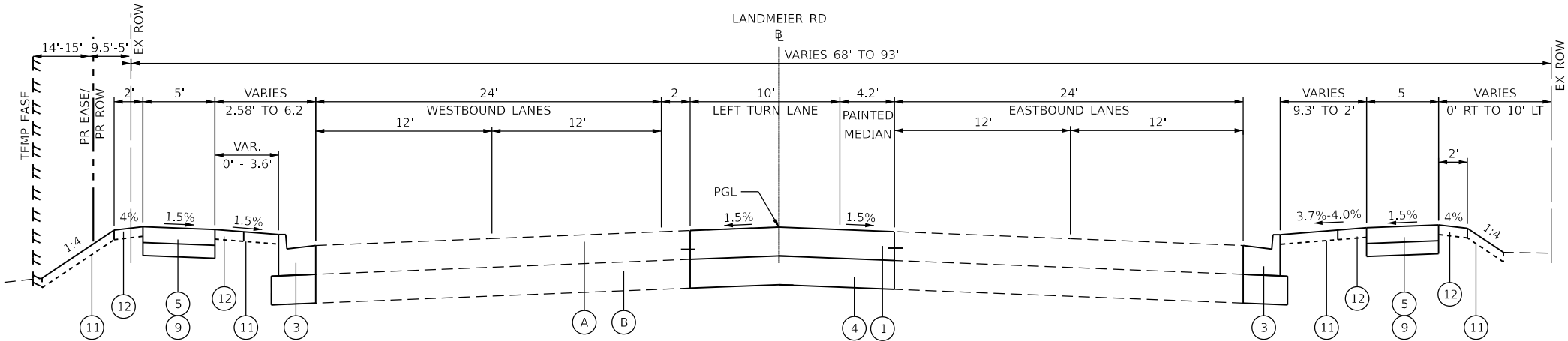


PROPOSED TYPICAL SECTION

LANDMEIER ROAD
STA. 502+95 TO STA. 507+18



LANDMEIER ROAD - HMA BIKE PATH
STA. 504+22.34 TO STA. 505+49.8
STA. 506+02 TO STA. 510+39.54



EXISTING PAVEMENT SLOPES
RANGE FROM 1.6% TO 2.1%

PROPOSED TYPICAL SECTION

LANDMEIER ROAD
STA. 506+93 TO STA. 507+18

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @NDES	
DRIVEWAYS - LANDMEIER RD		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1 3/4"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0); 2 1/4"	4% @ 50 GYR.	LR 1030-3
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0); 8"	4% @ 50 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE PER LR 1030-2		

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES 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.

VILLAGE OF ELK GROVE

PROPOSED TYPICAL SECTIONS
LANDMEIER ROAD

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

USER NAME = mzuzda	DESIGNED -	REVISED -
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PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

SCHEDULE OF QUANTITIES

LANDMEIER	STAGE 1 (CU YD)			EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	STAGE 1
502+95.00				0.0
503+25.00	6.5	19.0	0.0	16.2
503+50.00	6.2	24.5	0.0	20.9
504+00.00	12.4	68.9	0.1	58.5
504+50.00	14.5	84.1	1.0	70.5
505+00.00	24.2	119.5	1.5	100.1
505+45.00	28.2	155.5	2.7	129.5
505+80.00	18.7	130.4	3.2	107.6
506+32.00	17.0	184.3	2.2	154.4
506+58.00	4.4	77.4	1.0	64.8
507+00.00	5.1	60.9	2.1	49.7
507+18.00	2.0	6.0	0.2	4.9
507+18.00	0.0	0.0	0.0	0.0
TOTALS	139.32	930.53	14.05	776.90

LANDMEIER RD		TOTAL (CU YD)
EARTH EXCAVATION		930.5
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		139.3
FURNISHED EXCAVATION		0.0

RISK MANAGED AREA - ALL EXCAVATION AND REMOVAL INCLUDED BELOW		TOTAL (CU YD)
NON-SPECIAL WASTE DISPOSAL		1455.8

MODEL: Schedule-1 [Sheet]
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MODEL: PrTonne_NB-ATB Plan 5 [Sheet]
FILE NAME: 220706_sht_atb-rdw_North.dgn



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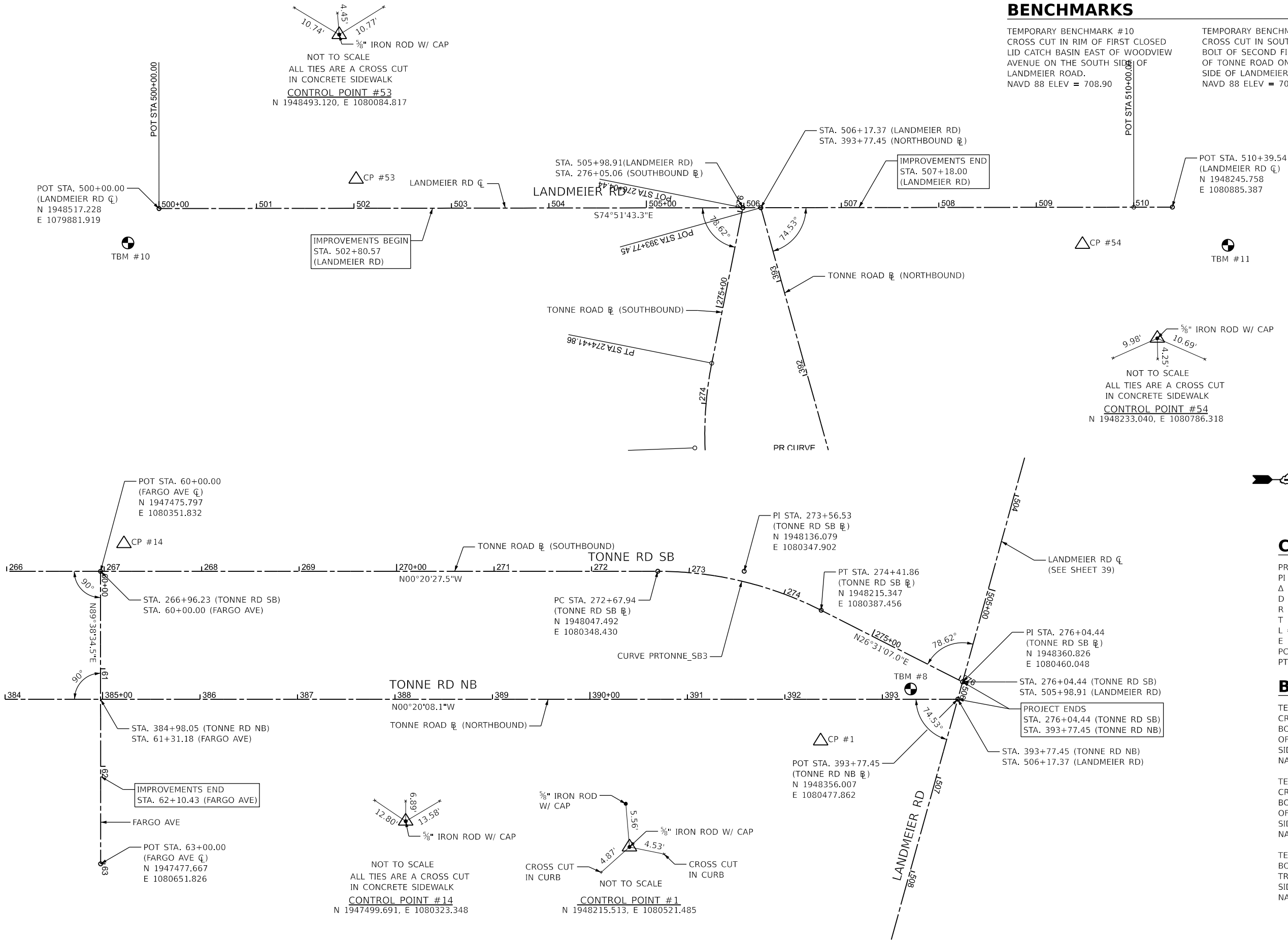
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633"/In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

ALIGNMENT, TIES & BENCHMARKS
TONNE ROAD

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	12
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



BENCHMARKS

TEMPORARY BENCHMARK #10
CROSS CUT IN RIM OF FIRST CLOSED
LID CATCH BASIN EAST OF WOODVIEW
AVENUE ON THE SOUTH SIDE OF
LANDMEIER ROAD.
NAVD 88 ELEV = 708.90

TEMPORARY BENCHMARK #11
CROSS CUT IN SOUTHEAST FLANGE
BOLT OF SECOND FIRE HYDRANT EAST
OF TONNE ROAD ON THE SOUTH
SIDE OF LANDMEIER ROAD.
NAVD 88 ELEV = 708.03

CURVE DATA

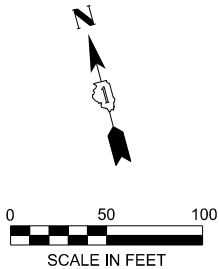
PR CURVE PRTONNE_SB3
PI STA = 273+56.53
Δ = 26°51'34" (RT)
D = 19°05'55"
R = 300.00'
T = 71.63'
L = 140.64'
E = 8.43'
PC STA = 272+84.89
PT STA = 274+25.53

BENCHMARKS

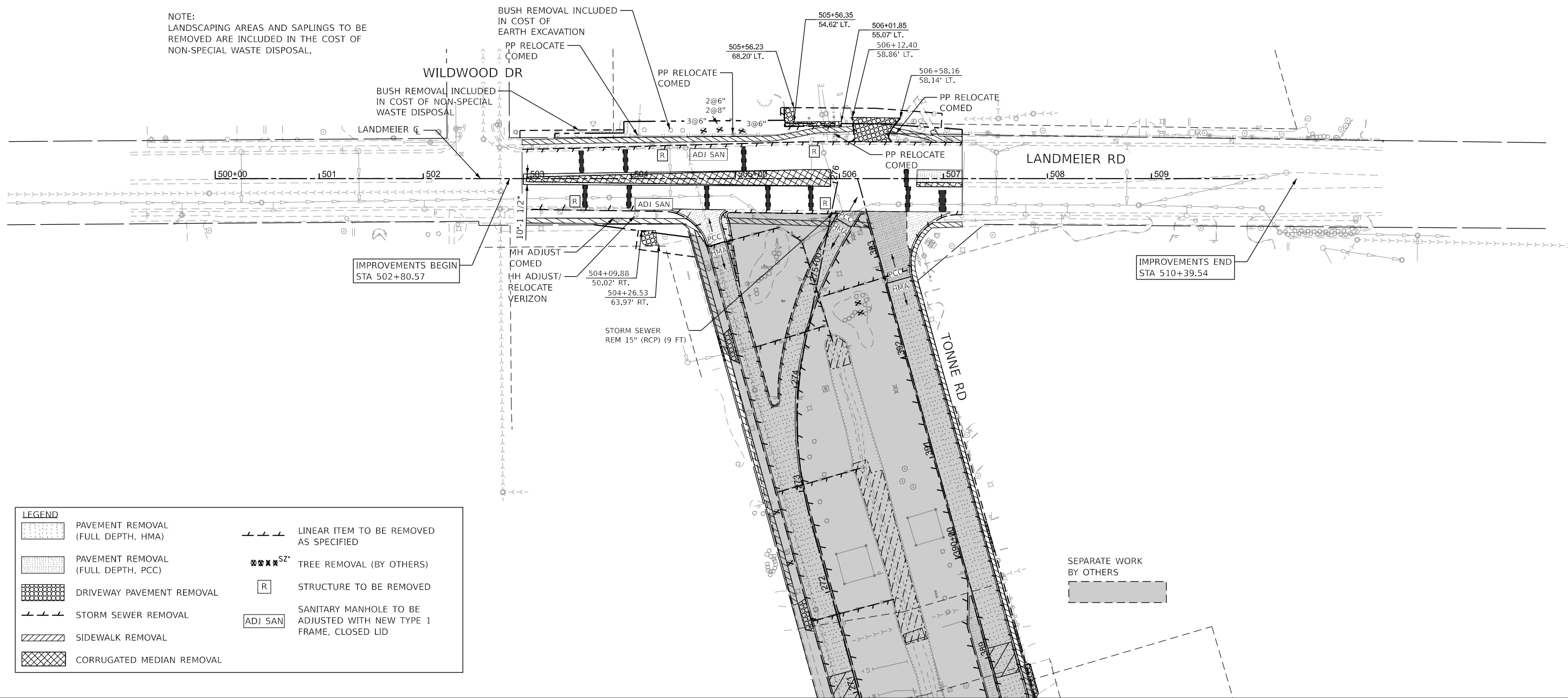
TEMPORARY BENCHMARK #6
CROSS CUT IN SOUTHWEST FLANGE
BOLT OF FIRST FIRE HYDRANT SOUTH
OF CHASE AVENUE ON THE WEST
SIDE OF TONNE ROAD.
NAVD 88 ELEV = 699.14

TEMPORARY BENCHMARK #7
CROSS CUT IN SOUTHEAST FLANGE
BOLT OF FIRST FIRE HYDRANT SOUTH
OF FARGO AVENUE ON THE EAST
SIDE OF TONNE ROAD.
NAVD 88 ELEV = 703.80

TEMPORARY BENCHMARK #8
BOX CUT IN CONCRETE BASE OF
TRAFFIC SIGNAL ON THE SOUTH
SIDE OF LANDMEIER ROAD.
NAVD 88 ELEV = 706.28



NOTE:
LANDSCAPING AREAS AND SAPLINGS TO BE
REMOVED ARE INCLUDED IN THE COST OF
NON-SPECIAL WASTE DISPOSAL.



LEGEND	
	PAVEMENT REMOVAL (FULL DEPTH, HMA)
	PAVEMENT REMOVAL (FULL DEPTH, PCC)
	DRIVEWAY PAVEMENT REMOVAL
	STORM SEWER REMOVAL
	SIDEWALK REMOVAL
	CORRUGATED MEDIAN REMOVAL
	LINEAR ITEM TO BE REMOVED AS SPECIFIED
	TREE REMOVAL (BY OTHERS)
	STRUCTURE TO BE REMOVED
	SANITARY MANHOLE TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID

SEPARATE WORK
BY OTHERS

MODEL: Plan Sht1
FILE NAME: 220706_Rem_Phase2_Landmeier_North.dgn



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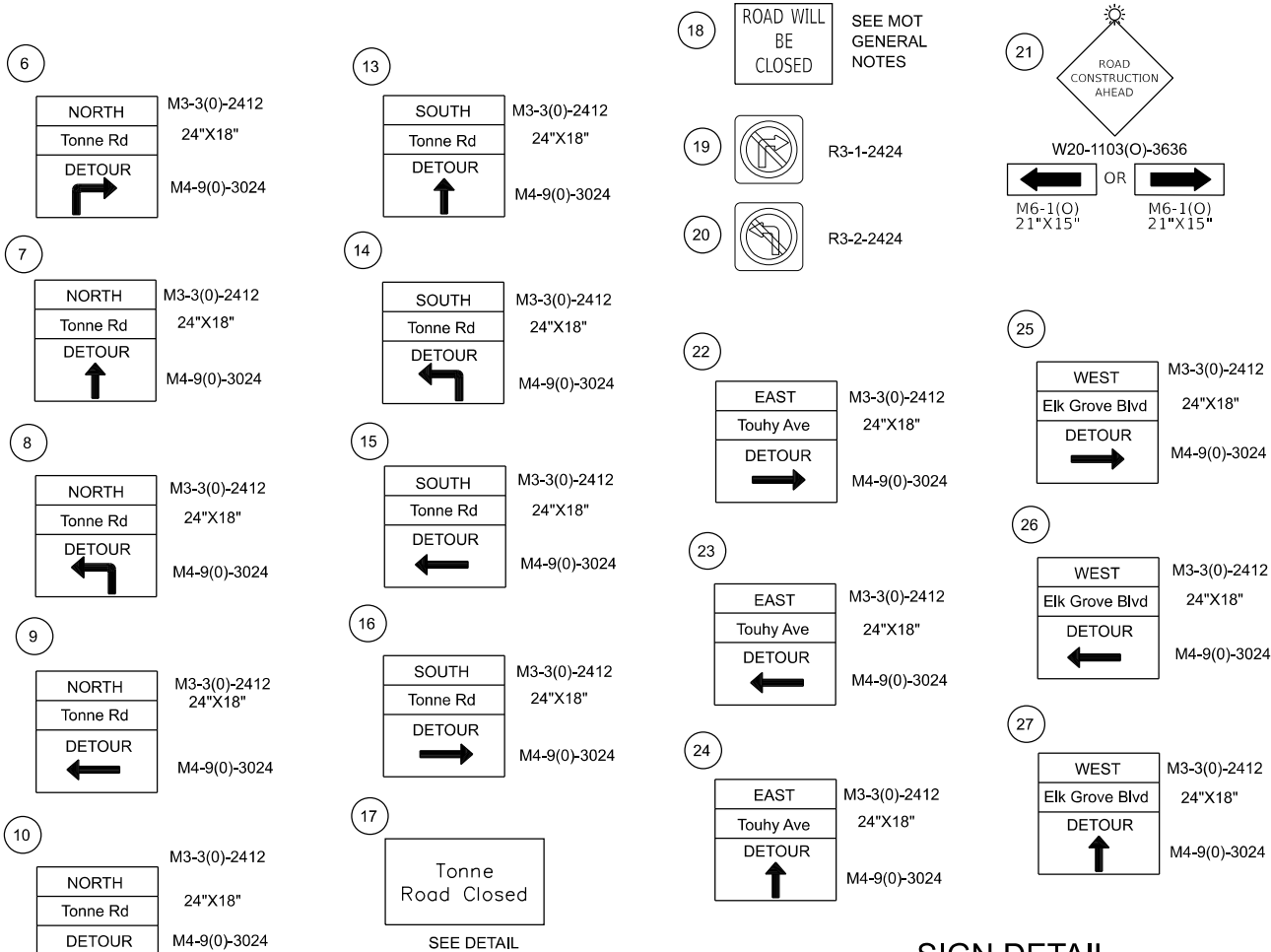
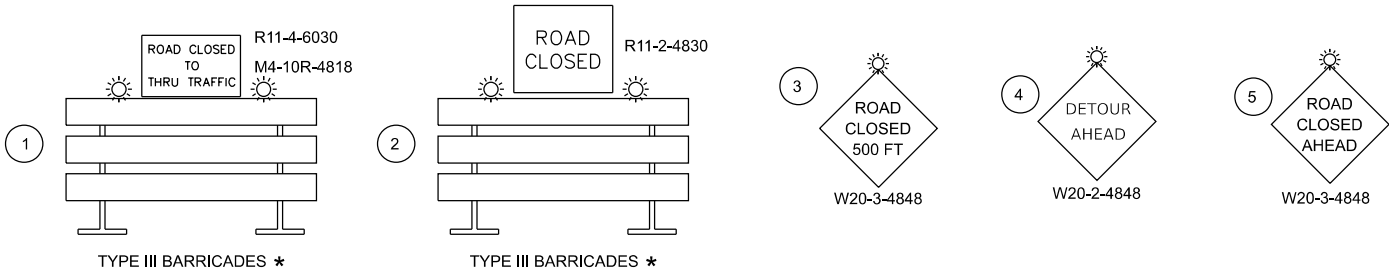
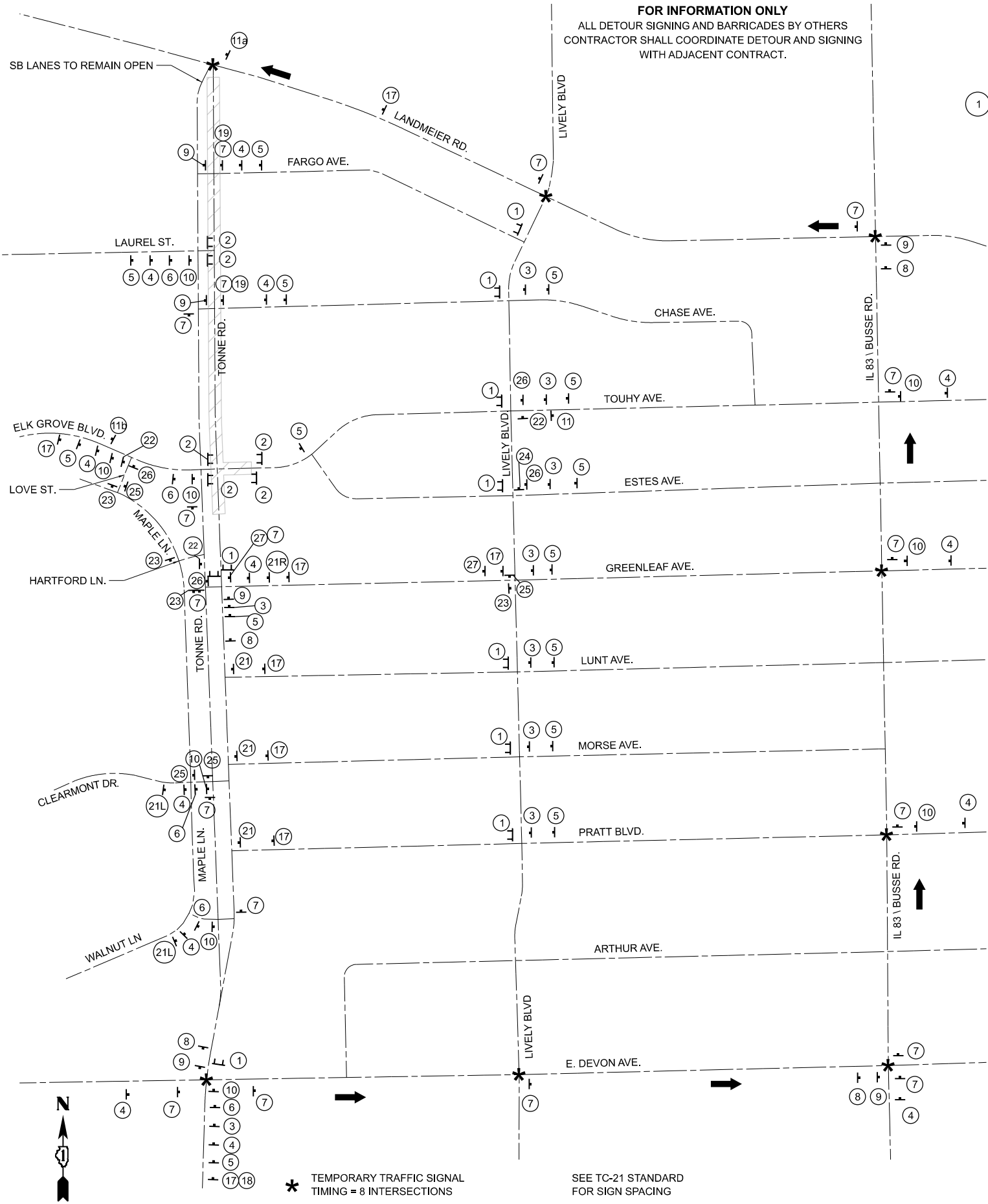
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PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

REMOVAL PLAN
LANDMEIER ROAD

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 498+00.00 TO STA. 513+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	13
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



SIGN DETAIL

6" UPPER CASE, 4.5" LOWERCASE
BLACK LETTERS ON
ORANGE REFLECTIVE
BACKGROUND
24" x 18"



NOTES:
1. USE 6" UPPER CASE, 4.5" LOWER CASE
BLACK LETTERING ON ORANGE BACKGROUND
2. ERECT SIGNS AT LOCATIONS SHOWN ON DETOUR
PLAN AND AS DIRECTED BY THE ENGINEER
3. SIGN IS INCLUDED IN THE COST OF TRAFFIC
CONTROL AND PROTECTION, SPECIAL

MODEL: Detour [Sheet]
FILE NAME: 220706_MOT_Detour_North.dgn



USER NAME = muzzio	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

NORTH BOUND DETOUR PLAN
TONNE ROAD AT LANDMEIER ROAD

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333	20-00073-01-PV	COOK	72	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: Detour2[Sheet]
FILE NAME: 220706_MOT_Detour_North.dgn



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USER NAME	= mzuzzlo
PLOT SCALE	= 0.16666633" / In.
PLOT DATE	= 10/13/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

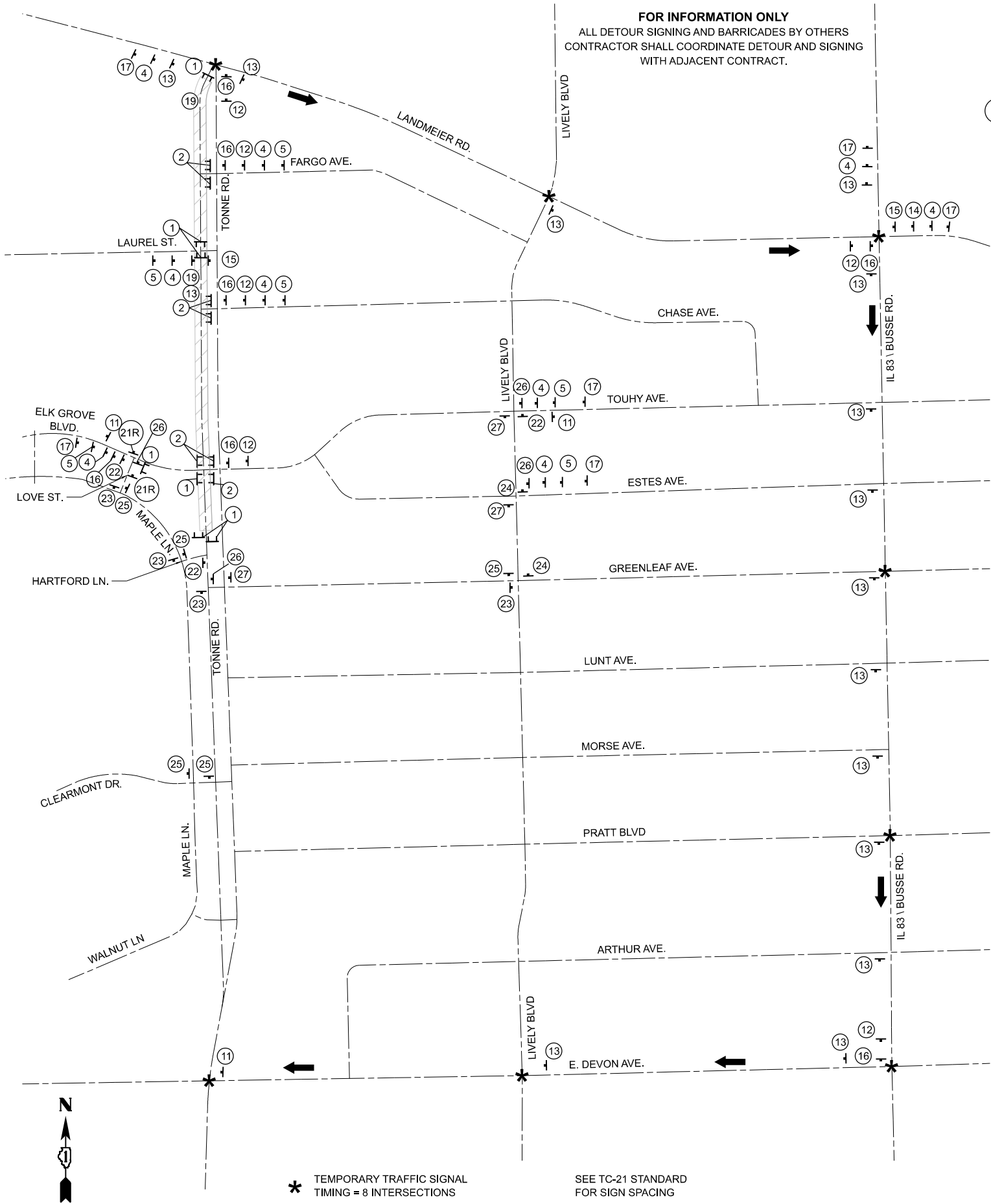
REVISED	-
REVISED	-
REVISED	-
REVISED	-

VILLAGE OF ELK GROVE

SOUTH BOUND DETOUR PLAN
TONNE ROAD AT LANDMEIER ROAD

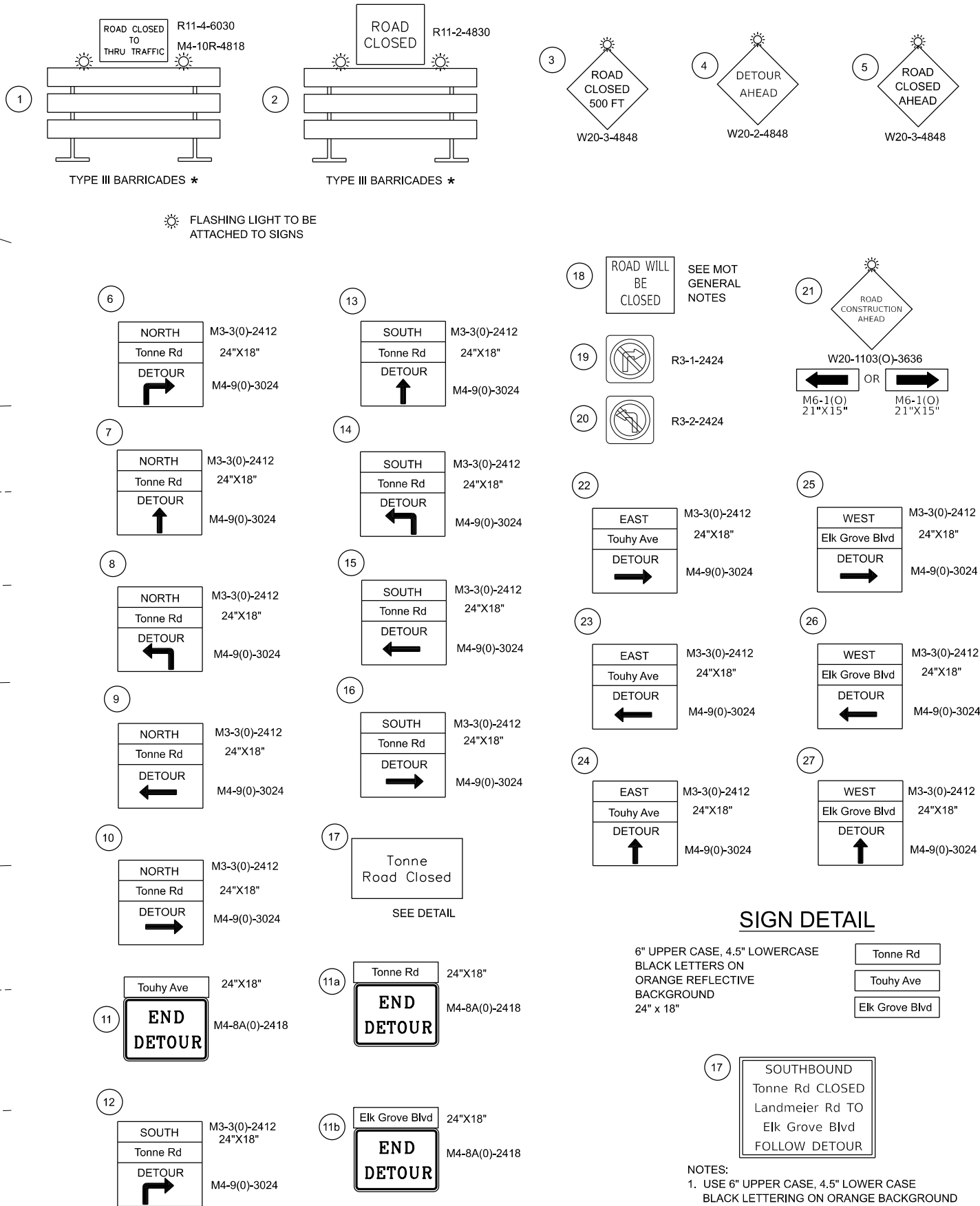
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	16
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



* TEMPORARY TRAFFIC SIGNAL
TIMING = 8 INTERSECTIONS

SEE TC-21 STANDARD
FOR SIGN SPACING



SIGN DETAIL

6" UPPER CASE, 4.5" LOWER CASE
BLACK LETTERS ON
ORANGE REFLECTIVE
BACKGROUND
24" x 18"

Tonne Rd
Touhy Ave
Elk Grove Blvd

MODEL: GenNotes Sht 1
FILE NAME: \\lrgreen.com\lrgData\2022\20706\CAD\CAD_Sheets\Phase II_Landmeier\220706_MOT_GeneralNotes_North.dgn

MAINTENANCE OF TRAFFIC NOTES

1. THE TRAFFIC CONTROL PLAN SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER, VILLAGE OF ELK GROVE VILLAGE, COOK COUNTY DEPARTMENT OF TRANSPORTATION, AND ELK GROVE VILLAGE EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. EMERGENCY SERVICES ARE LOCATED OFF FARGO ROAD JUST EAST OF TONNE ROAD.
4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, THE COOK COUNTY DEPARTMENT OF TRANSPORTATION, AND THE RESIDENT ENGINEER WITH NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE, (INCLUDING 24-HR EMERGENCY NUMBER) PRIOR TO THE START OF WORK.
5. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.
6. DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG COOK COUNTY HIGHWAYS (LANDMEIER RD), TWO-WAY TRAFFIC SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY REQUIRES ENCROACHMENT INTO A LANE OPEN FOR TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00 A.M. TO 3:00 P.M. FOLLOWING THE APPLICABLE IDOT AND IDOT-DISTRICT 1 TRAFFIC CONTROL STANDARDS INCLUDED, AND MAINTENANCE OF TRAFFIC SHEETS IN THE PLANS FOR OFF-ROAD AND ON-ROAD APPLICATIONS.
7. A MINIMUM OF ONE (1) ELEVEN FOOT (11') LANE IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES ON LANDMEIER ROAD.
8. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL CONFORM TO "CONVENTIONAL ROAD" AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE.
9. ALL WORK REQUIRED FOR SIGNAGE SHALL BE PAID AS "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)". ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL CONSTRUCTION SIGNING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL CONSTRUCTION SIGNS, INCLUDING CUTTING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER, AND SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
12. ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL COMMERCIAL ENTRANCES WITHIN THE PROJECT LIMITS AT ALL TIMES.
14. ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.
15. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY THIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
16. TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.
17. THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATIVE ARRANGEMENT.
18. TYPE 1, TYPE II OR DRUM BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
19. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
20. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
21. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "PAVEMENT REMOVAL".

22. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
23. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
24. A DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE WITH A "SIDEWALK CLOSED" SIGN AFFIXED, SHALL BE PLACED ON ALL SIDEWALKS CLOSED DUE TO CONSTRUCTION ACTIVITIES AS SHOWN IN STDS. 701801 & 701901.
25. FOR TRAFFIC STAGING, PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT TO REMAIN. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGING SHALL BE REMOVED VIA WATER BLASTING WITH VACUUM RECOVERY ON LANDMEIER ROAD. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
26. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

CONSTRUCTION STAGING

LANDMEIER ROAD AT TONNE ROAD INTERSECTION

COORDINATION WILL BE REQUIRED.

PRE-STAGE

INSTALL TEMPORARY SIGNALS AT THE INTERSECTION OF LANDMEIER ROAD AT TONNE RD. CONSTRUCT TEMPORARY PAVEMENT ALONG SOUTHBOUND APPROACH AT THE EXISTING SIGNALIZED INTERSECTION. SEE STAGE 1 FOR LOCATION. MAINTAIN 14' LANE WIDTH. COORDINATION WITH OTHER CONTRACT IS REQUIRED. PAVEMENT REMOVAL OF SOUTHBOUND APPROACH IS INCLUDED IN TONNE ROAD CONTRACT.

INSTALL ALL TEMPORARY MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 1 CONSTRUCTION, SHIFT TRAFFIC.

STAGE 1
REMOVE CORRUGATED MEDIANS AND PCC PAVEMENT AND CONSTRUCT PCC PAVEMENT.

INSTALL ALL TEMPORARY MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 2 CONSTRUCTION, SHIFT TRAFFIC.

STAGE 2
REMOVE CURB AND GUTTER, DRAINAGE STRUCTURES, SIDEWALK, PARKING STALL. CONSTRUCT PCC WIDENING, CURB AND GUTTER, EXTEND STORM SEWER, INSTALL DRAINAGE STRUCTURES, AND PEDESTRIAN FACILITIES. CONSTRUCT CURB IN PARKING AREA.

INSTALL ALL TEMPORARY MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 3A CONSTRUCTION, SHIFT TRAFFIC.

STAGE 3A
CONSTRUCT HMA PAVEMENT, STORM SEWER AND TEMPORARY PAVEMENT AS SHOWN IN STAGE 3A.

INSTALL ALL TEMPORARY MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 3B CONSTRUCTION, SHIFT TRAFFIC.

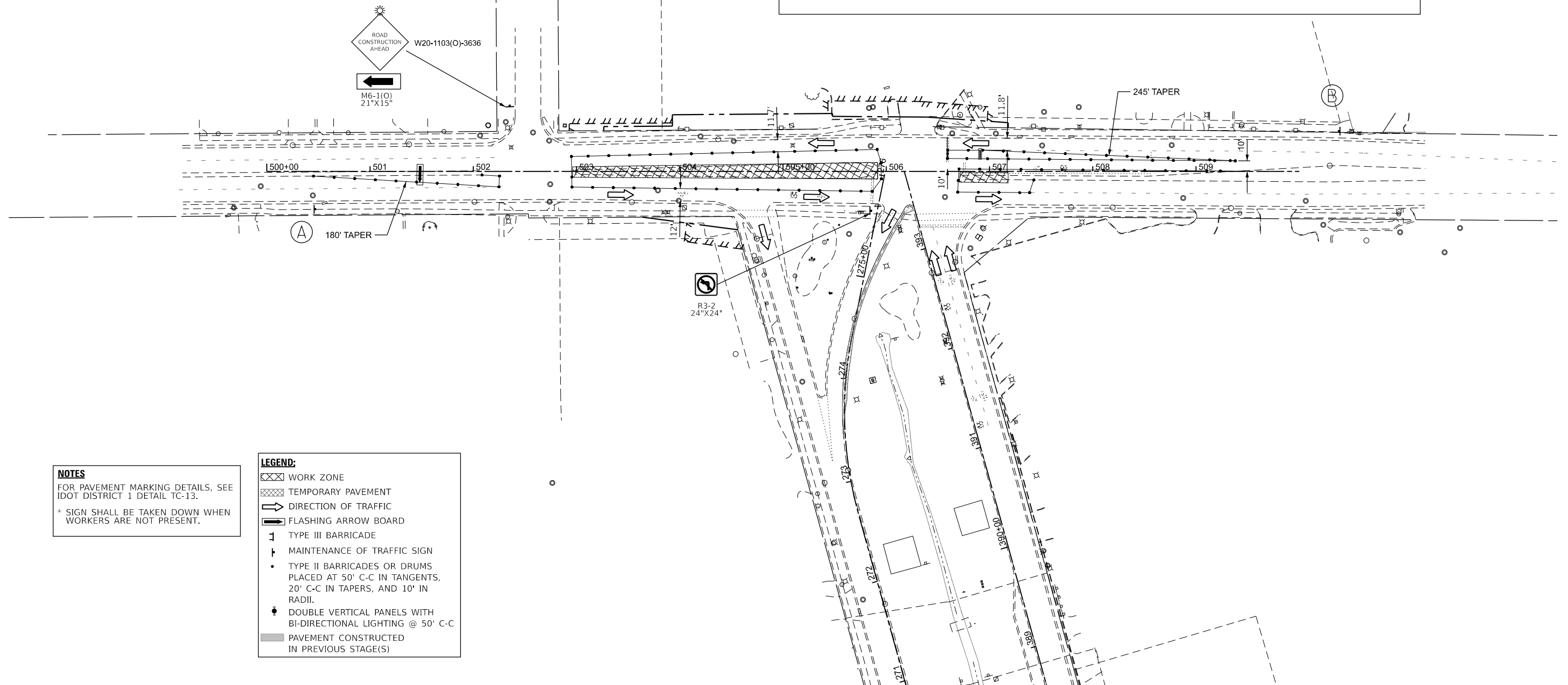
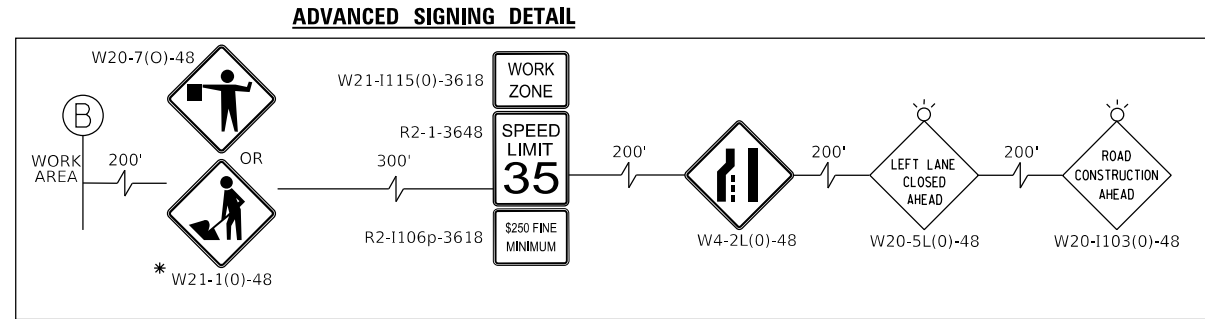
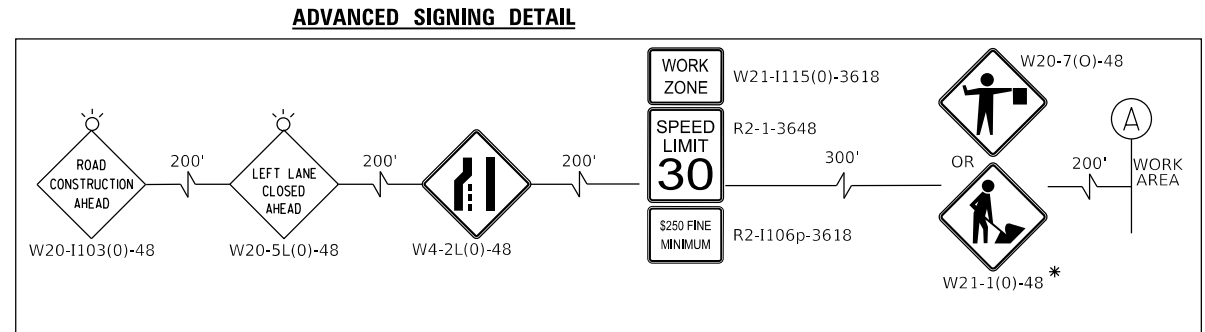
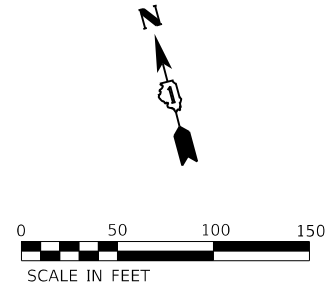
STAGE 3B
REMOVE TEMPORARY PAVEMENT ALONG EXISTING SOUTHBOUND LANE. CONSTRUCT SOUTHBOUND AND NORTHBOUND HMA PAVEMENT AND STORM SEWER AS SHOWN IN STAGE 3B.

INSTALL ALL TEMPORARY MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 3B CONSTRUCTION, SHIFT TRAFFIC.

STAGE 3C
CONSTRUCT PCC PAVEMENT OF EASTBOUND TO SOUTHBOUND RIGHT TURN LANE AND NORTHBOUND HMA PAVEMENT. SOUTHERN LIMITS OF CONSTRUCTION MAY BE DETERMINED BY THE CONTRACTOR/RESIDENT ENGINEER.

STAGE 3D
MAINTAIN ONE EASTBOUND THROUGH LANE. OPEN EASTBOUND TO SOUTHBOUND RIGHT TURN LANE. CONSTRUCT ISLAND AND COMPLETE INSTALLATION OF PERMANENT TRAFFIC SIGNAL.

	USER NAME = mzuzzio	DESIGNED -	REVISED -	VILLAGE OF ELK GROVE	SUGGESTED MAINTENANCE OF TRAFFIC - GENERAL NOTES		FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				1333		COOK	72	17
		CHECKED -	REVISED -				CONTRACT NO.				
	PLOT DATE = 8/25/2025	DATE -	REVISED -		SCALE:	SHEET 1 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



NOTES
FOR PAVEMENT MARKING DETAILS, SEE
IDOT DISTRICT 1 DETAIL TC-13.
* SIGN SHALL BE TAKEN DOWN WHEN
WORKERS ARE NOT PRESENT.

- LEGEND:**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC
 - FLASHING ARROW BOARD
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - TYPE II BARRICADES OR DRUMS
PLACED AT 50' C-C IN TANGENTS,
20' C-C IN TAPERS, AND 10' IN
RADII.
 - DOUBLE VERTICAL PANELS WITH
BI-DIRECTIONAL LIGHTING @ 50' C-C
 - PAVEMENT CONSTRUCTED
IN PREVIOUS STAGE(S)

MODEL: MOT Sign Plan Sh 1
FILE NAME: 220706_MOT_Landmeier_Sig1_North.dgn



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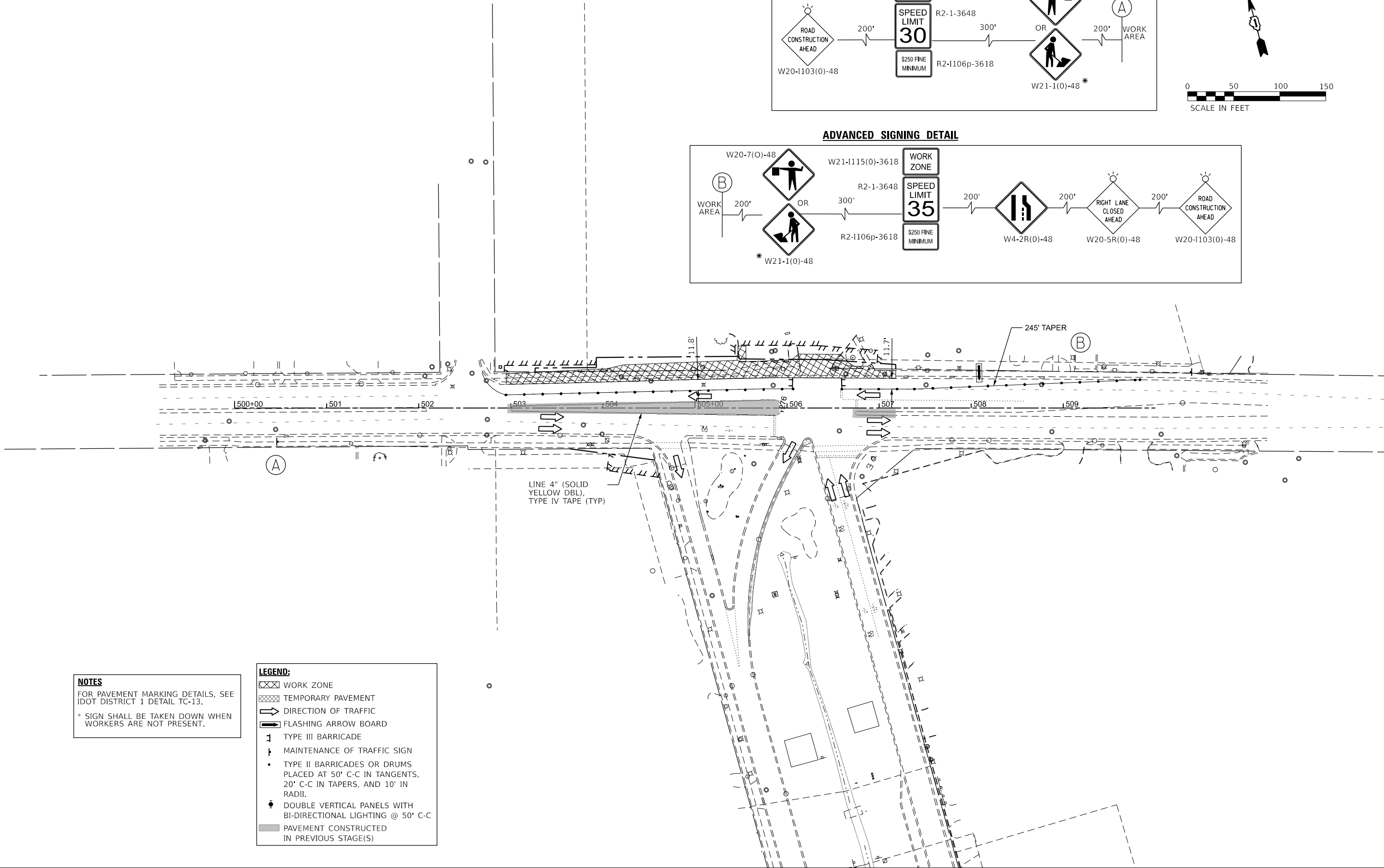
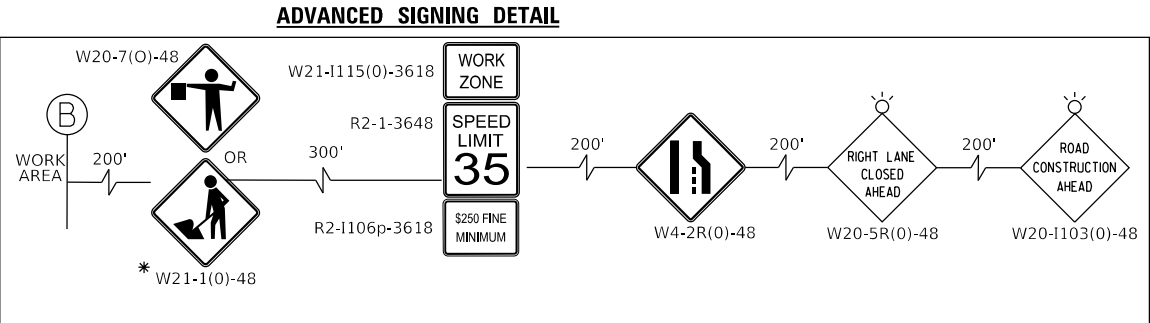
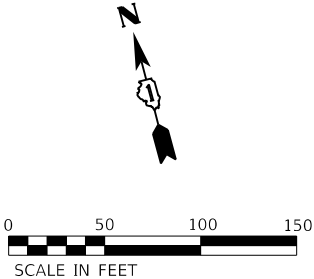
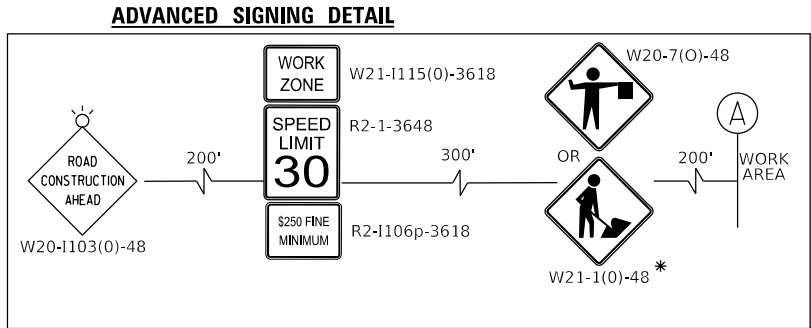
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / 1 in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
TONNE ROAD AT LANDMEIER ROAD**

SCALE: 1"=50' SHEET 2 OF 6 SHEETS STA. 497+50.00 TO STA. 512+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	18
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTES
FOR PAVEMENT MARKING DETAILS, SEE
IDOT DISTRICT 1 DETAIL TC-13.
* SIGN SHALL BE TAKEN DOWN WHEN
WORKERS ARE NOT PRESENT.

- LEGEND:**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC
 - FLASHING ARROW BOARD
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - TYPE II BARRICADES OR DRUMS
PLACED AT 50' C-C IN TANGENTS,
20' C-C IN TAPERS, AND 10' IN
RADII.
 - DOUBLE VERTICAL PANELS WITH
BI-DIRECTIONAL LIGHTING @ 50' C-C
 - PAVEMENT CONSTRUCTED
IN PREVIOUS STAGE(S)

VILLAGE OF ELK GROVE

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
TONNE ROAD AT LANDMEIER ROAD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 3 OF 6 SHEETS STA. 497+50.00 TO STA. 512+50.00

MODEL: MOT Stg2 Plan Sh 1
FILE NAME: 220706_MOT_Landmeier_Stg2_North.dgn

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USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

MODEL: MOT Stg3a Plan Sht 1
FILE NAME: 220706_MOT_Landmeier_Stg3a_North.dgn



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Illinois Professional Design Firm
184-001322

USER NAME	= muzzdo
PLOT SCALE	= 0.16666633 "/td>
PLOT DATE	= 10/13/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

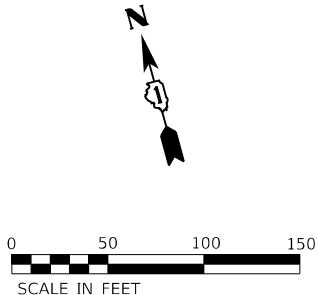
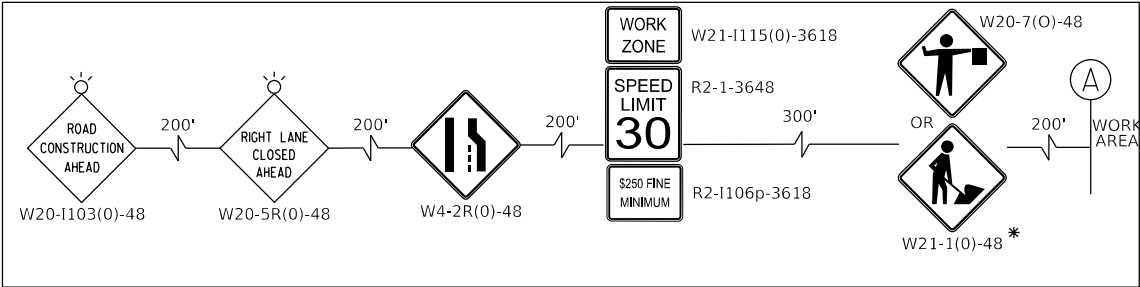
VILLAGE OF ELK GROVE

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3a TONNE ROAD AT LANDMEIER ROAD

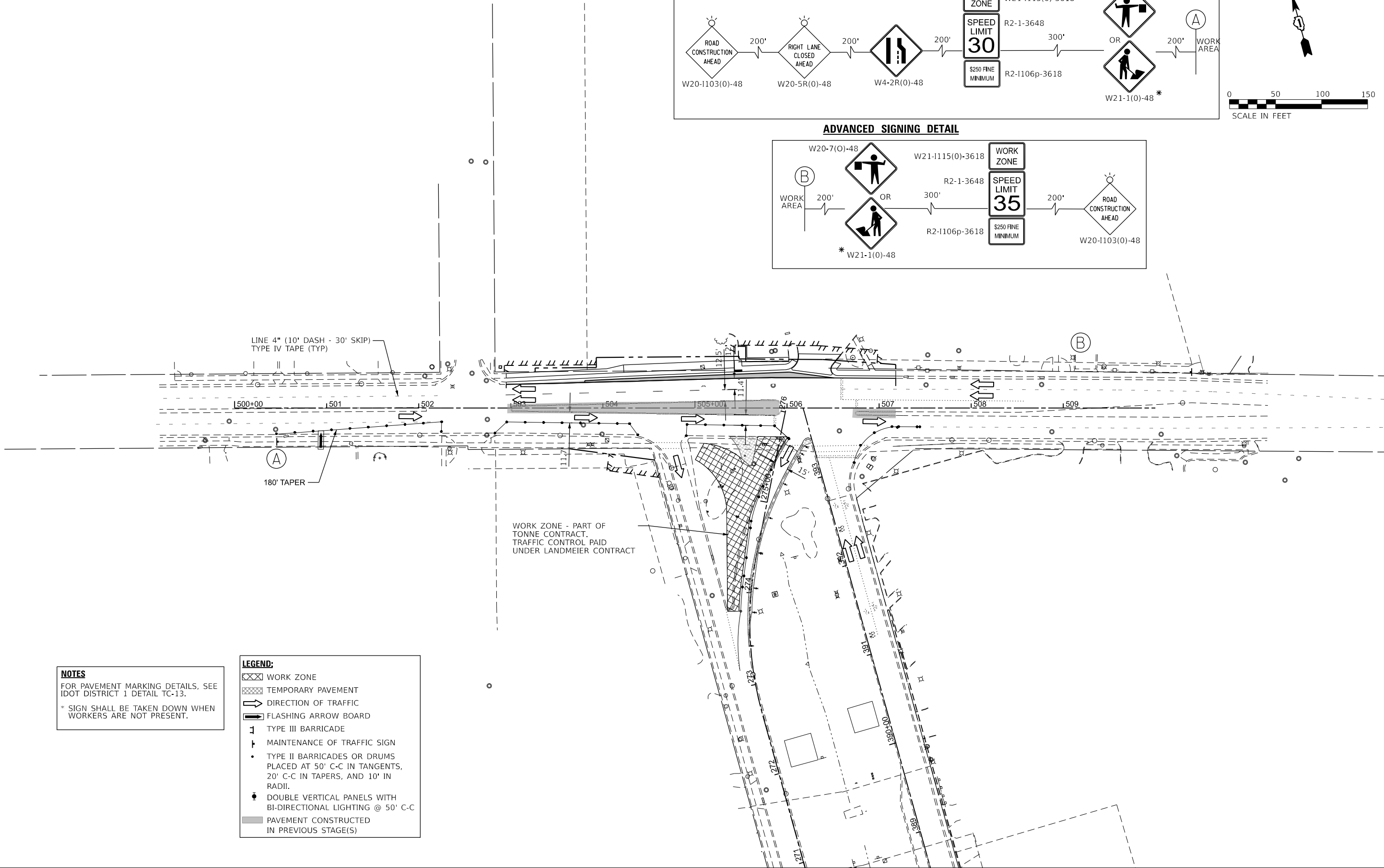
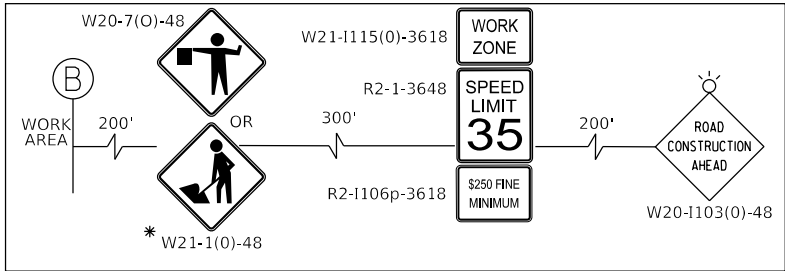
SCALE: 1"=50' SHEET 4 OF 6 SHEETS STA. 497+50.00 TO STA. 512+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



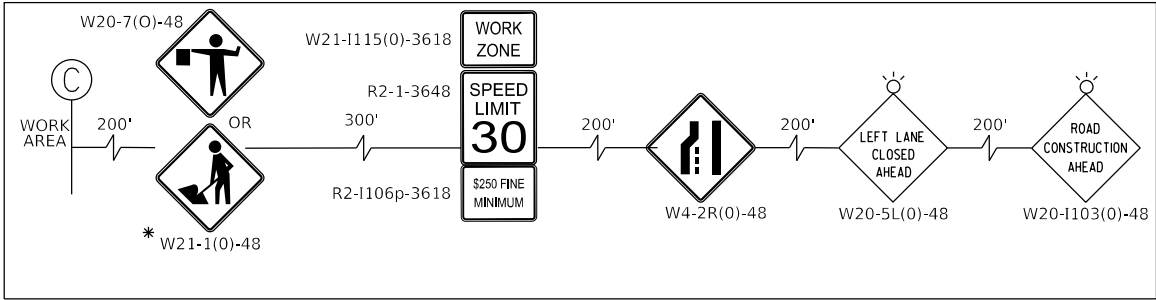
NOTES

FOR PAVEMENT MARKING DETAILS, SEE
IDOT DISTRICT 1 DETAIL TC-13.
* SIGN SHALL BE TAKEN DOWN WHEN
WORKERS ARE NOT PRESENT.

LEGEND:

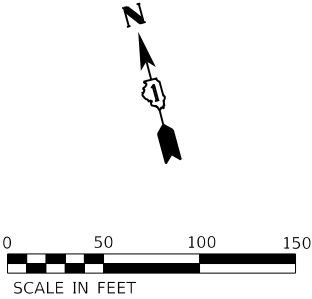
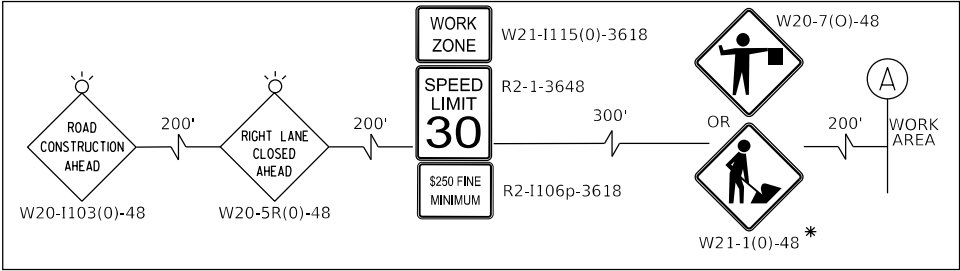
- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS
PLACED AT 50' C-C IN TANGENTS,
20' C-C IN TAPERS, AND 10' IN
RADI.
- DOUBLE VERTICAL PANELS WITH
BI-DIRECTIONAL LIGHTING @ 50' C-C
- PAVEMENT CONSTRUCTED
IN PREVIOUS STAGE(S)

ADVANCED SIGNING DETAIL

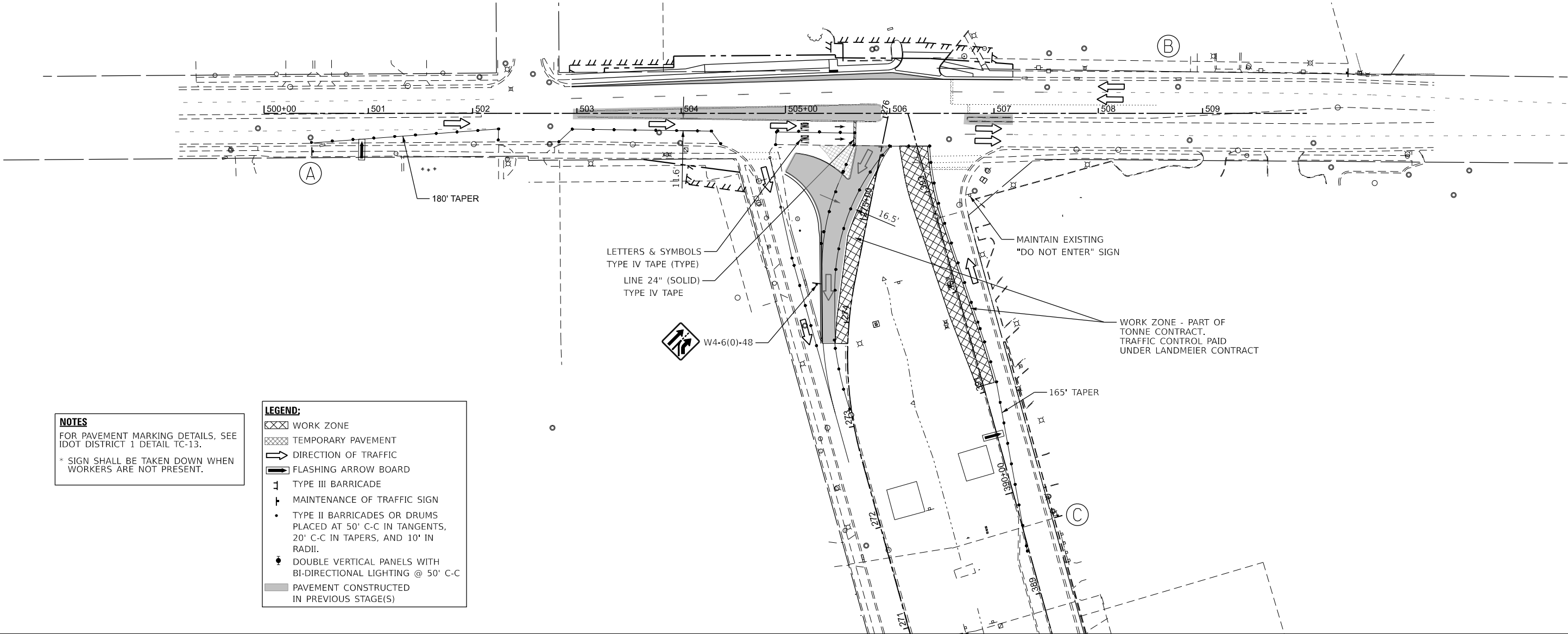
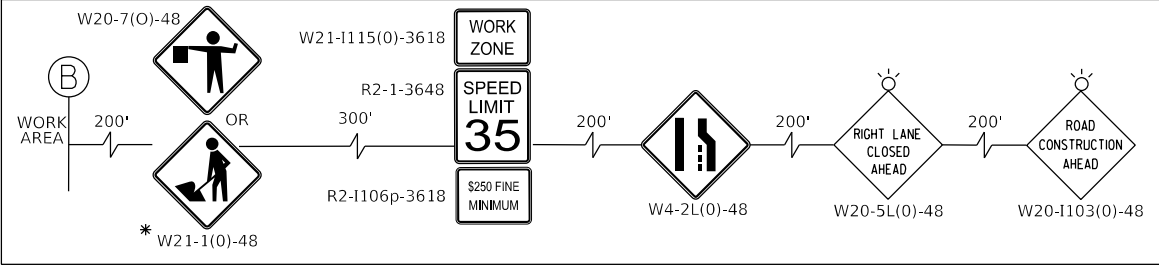


USED IF NB IS NOT DETOURED

ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
FOR PAVEMENT MARKING DETAILS, SEE
IDOT DISTRICT 1 DETAIL TC-13.
* SIGN SHALL BE TAKEN DOWN WHEN
WORKERS ARE NOT PRESENT.

- LEGEND:**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC
 - FLASHING ARROW BOARD
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - TYPE II BARRICADES OR DRUMS
PLACED AT 50' C-C IN TANGENTS,
20' C-C IN TAPERS, AND 10' IN
RADII.
 - DOUBLE VERTICAL PANELS WITH
BI-DIRECTIONAL LIGHTING @ 50' C-C
 - PAVEMENT CONSTRUCTED
IN PREVIOUS STAGE(S)

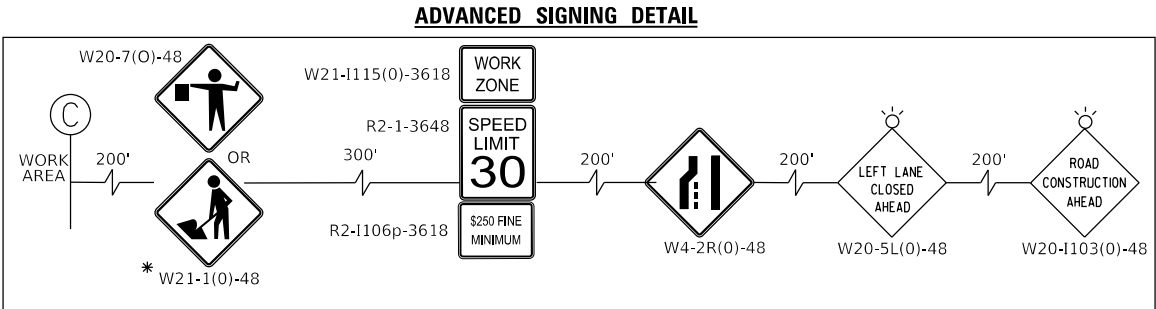
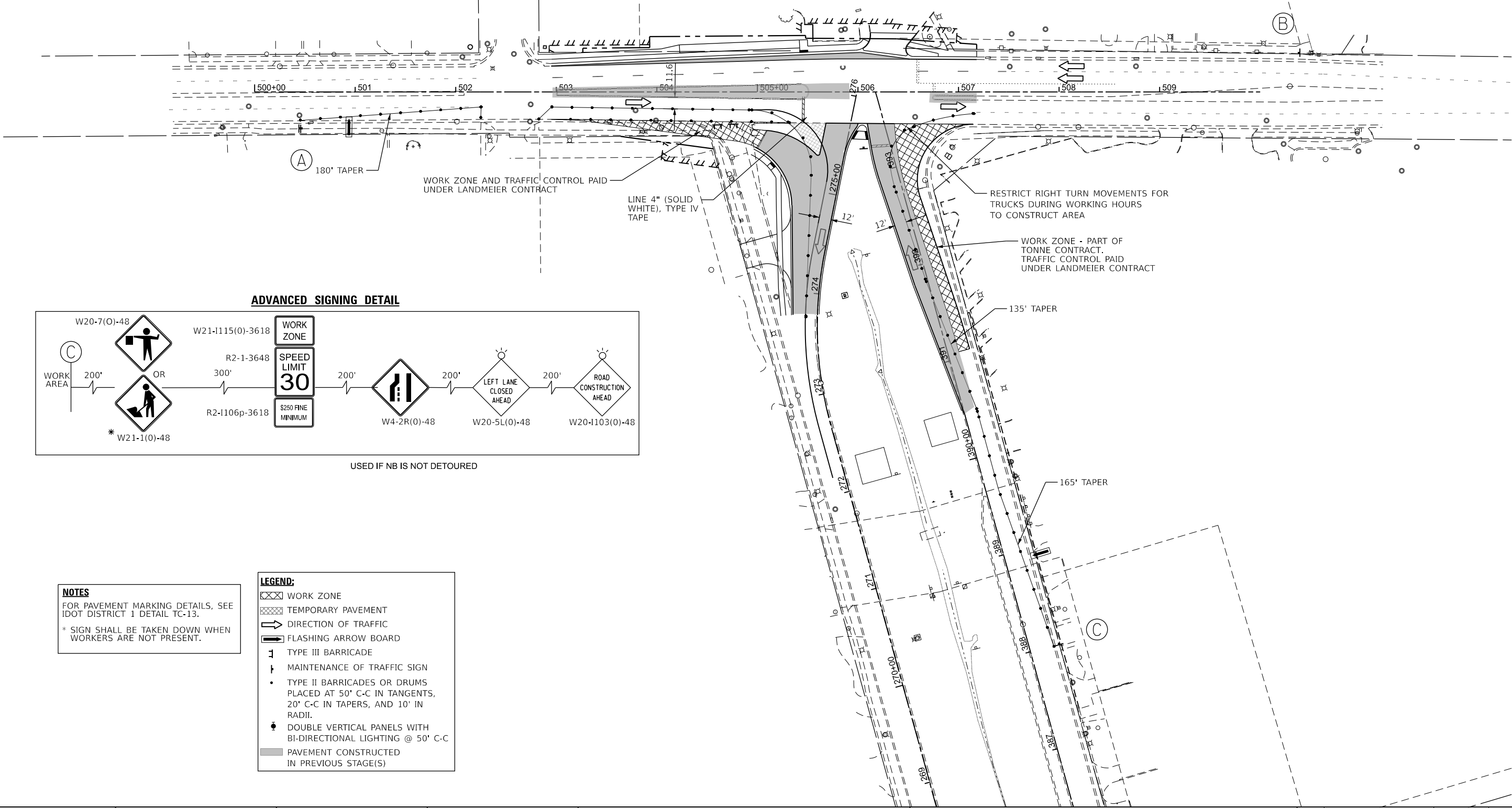
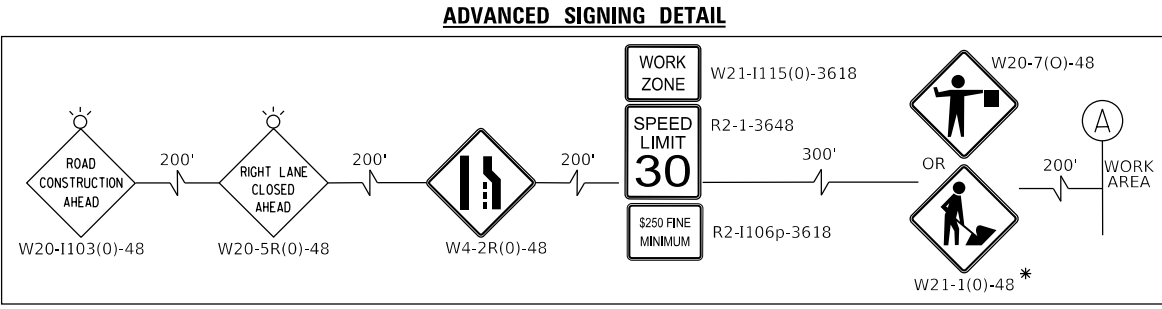
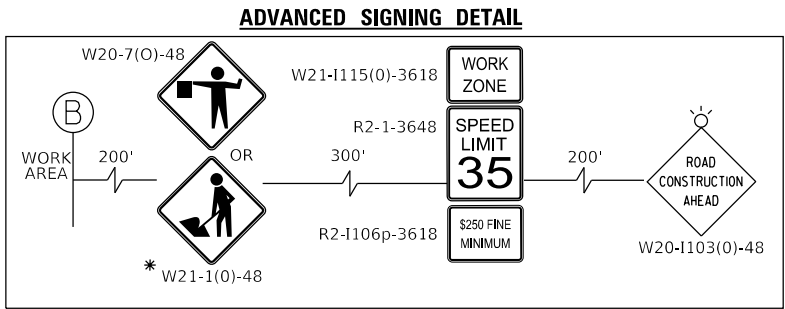
VILLAGE OF ELK GROVE

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3b
TONNE ROAD AT LANDMEIER ROAD

SCALE: 1"=50' SHEET 5 OF 6 SHEETS STA. 497+50.00 TO STA. 512+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	21
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -



USED IF NB IS NOT DETOURED

NOTES
FOR PAVEMENT MARKING DETAILS, SEE
IDOT DISTRICT 1 DETAIL TC-13.
* SIGN SHALL BE TAKEN DOWN WHEN
WORKERS ARE NOT PRESENT.

- LEGEND:**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC
 - FLASHING ARROW BOARD
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - TYPE II BARRICADES OR DRUMS
PLACED AT 50' C-C IN TANGENTS,
20' C-C IN TAPERS, AND 10' IN
RADII.
 - DOUBLE VERTICAL PANELS WITH
BI-DIRECTIONAL LIGHTING @ 50' C-C
 - PAVEMENT CONSTRUCTED
IN PREVIOUS STAGE(S)

VILLAGE OF ELK GROVE

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3c
TONNE ROAD AT LANDMEIER ROAD

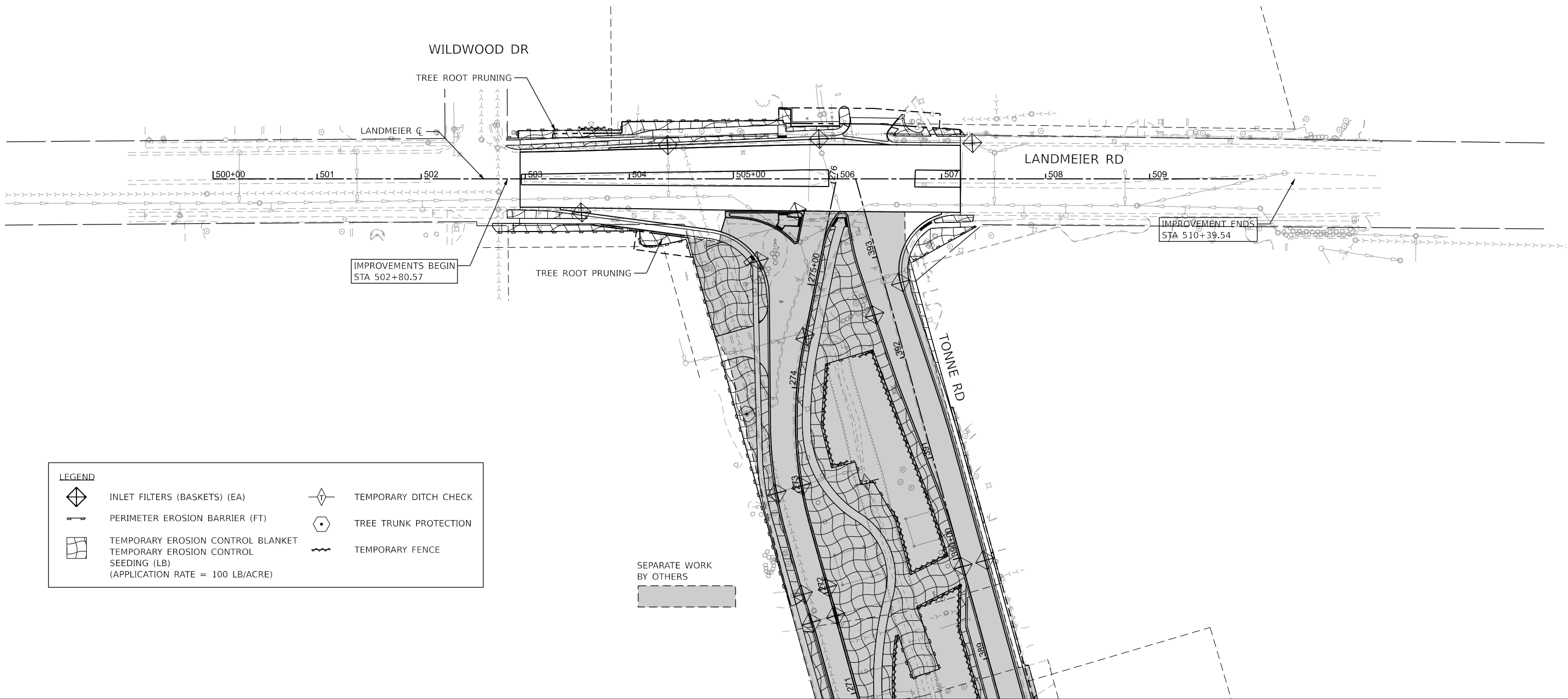
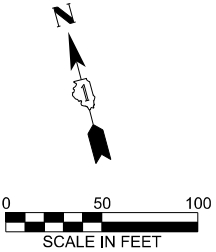
SCALE: 1"=50' SHEET 6 OF 6 SHEETS STA. 497+50.00 TO STA. 512+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	22
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: MOT Stg3c-Plan-Sht 1
FILE NAME: 220706_MOT_Landmeier_Stg3c_North.dgn

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184-001322

USER NAME = muzzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -



LEGEND

	INLET FILTERS (BASKETS) (EA)		TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER (FT)		TREE TRUNK PROTECTION
	TEMPORARY EROSION CONTROL BLANKET		TEMPORARY FENCE
	TEMPORARY EROSION CONTROL SEEDING (LB)		
	(APPLICATION RATE = 100 LB/ACRE)		

SEPARATE WORK
BY OTHERS

MODEL: Plan Sht 1
FILE NAME: 220706_Eros_Phase2_Landmeier_North.dgn



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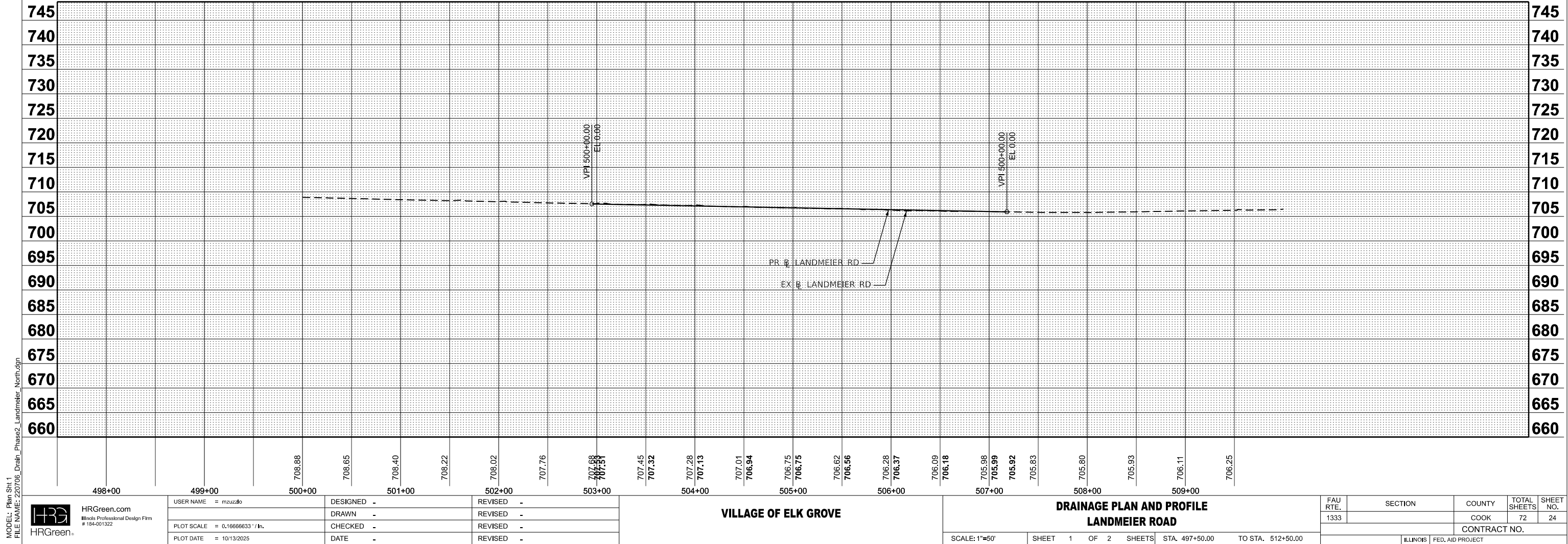
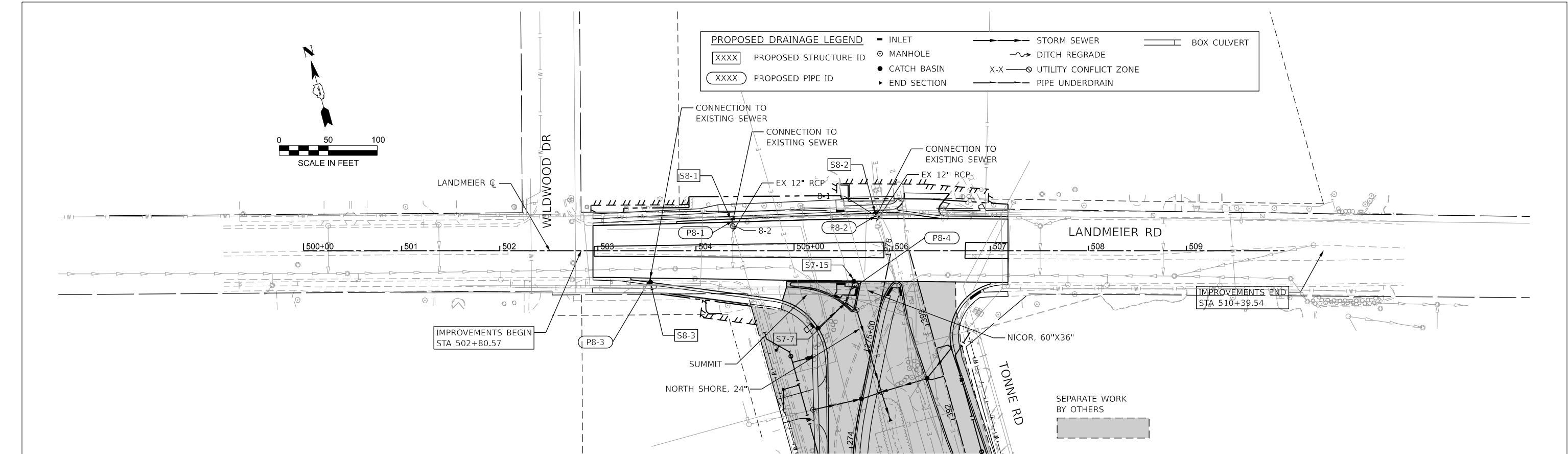
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PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

**EROSION CONTROL PLAN
LANDMEIER ROAD**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 498+00.00 TO STA. 513+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	23
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



STRUCTURES FOR PIPES 7 ARE SHOWN FOR REFERENCE ONLY

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE	RIM TYPE	RIM ELEVATION	STORM SEWER INVERTS				PIPE UNDERDRAIN INVERTS			
						NORTH	WEST	SOUTH	EAST	NORTH	WEST	SOUTH	EAST
LANDMEIER ROAD													
S8-1	504+37.2	32.4' LT	INLETS, TYPE A	T24 F&G	706.54			703.40					
S8-2	505+82.7	38.3' LT	INLETS, TYPE A	T24 F&G	705.93			703.30					
S8-3	503+53.4	32.3' RT	CATCH BASINS, TYPE C, WITH SPECIAL FRAME AND GRATE	T11 F&G	706.91	704.24							
S7-7	275+43.4	35.0' LT	MANHOLES, TYPE A, 6'-DIAMETER	T1 F&G CL	706.06	701.13 (NW)	701.45	701.12 (SE)	701.57 (NE)				
S7-15	275+66.4	31.1' LT	CATCH BASINS, TYPE C, WITH SPECIAL FRAME AND GRATE	T11 F&G	706.91	704.24							

CONFLICTS

- 8-1

STA, 505+82.68, 38.3' LT
12" WATER MAIN, TOP OF PIPE ELEV 700.1
BOTTOM OF INLET ELEV 702.8
- 8-2

STA, 504+37.20, 32.4' LT.
12" WATER MAIN, TO OF PIPE ELEV 700.1
BOTTOM OF INLET ELEV 702.9

PIPE NO.	FROM STRUCT.	TO STRUCT.	TYPE	LENGTH (FT)	SLOPE (%)	TBF (CY)	
LANDMEIER ROAD							
P8-01	S8-1	EX PIPE	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	2	1.00%	0.3	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER
P8-02	S8-2	EX PIPE	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	4	7.00%	0.6	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER
P8-03	S8-3	EX PIPE	STORM SEWERS, CLASS A, TYPE 1 12"	4	1.00%	0.6	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER
P8-04	S7-15	S7-7	STORM SEWERS, CLASS A, TYPE 2 12"	20	3.32%	3.9	

MODEL: Sched 7 (Sheet)
FILE NAME: 220706_Drain_Phase2_Schedules_North.dgn



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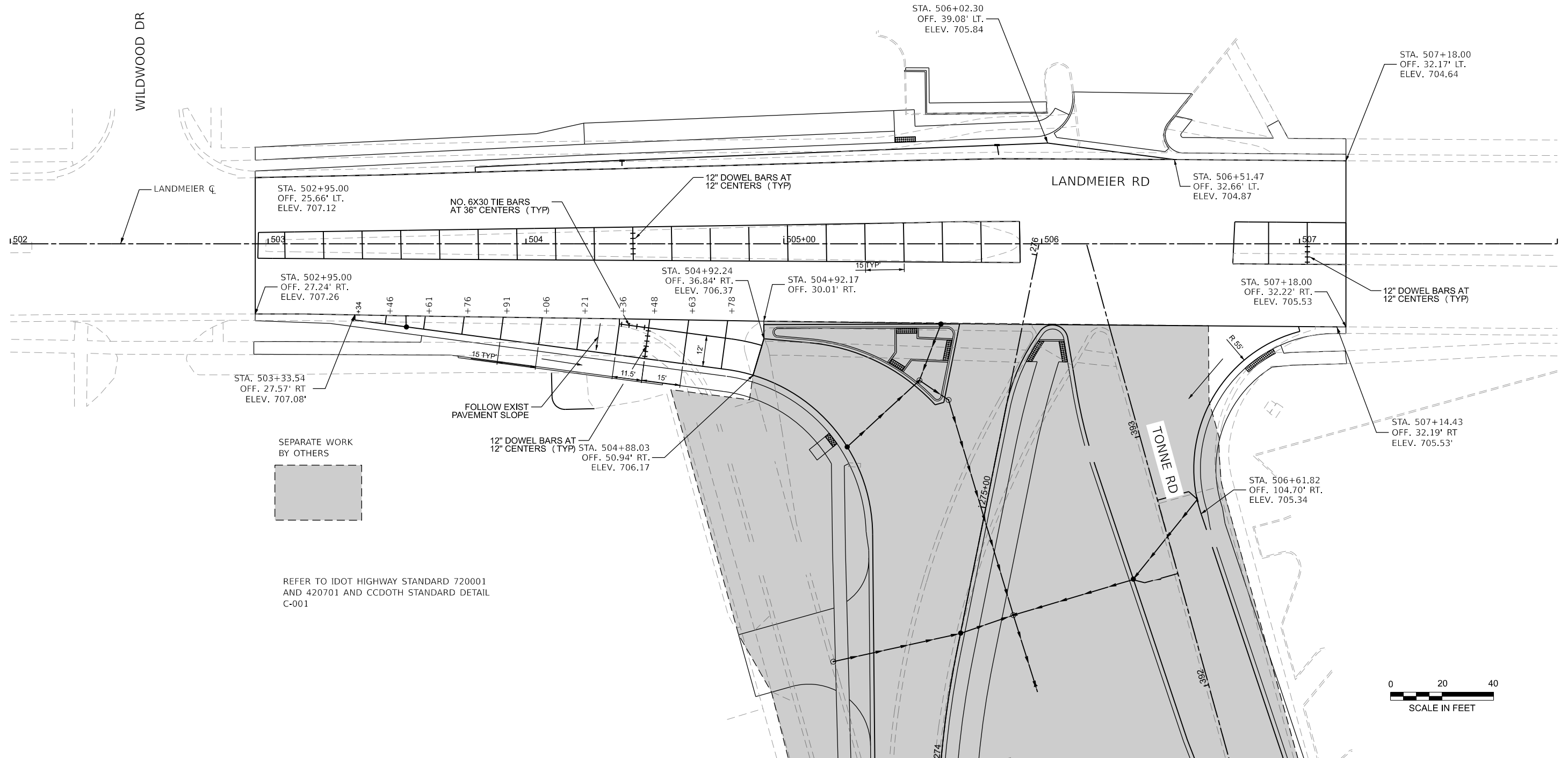
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

DRAINAGE PLAN AND PROFILE
STRUCTURE/PIPE SCHEDULES & CONFLICTS

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	25
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MODEL: IntDetail - Sht Plan 1
FILE NAME: 220706_sht_Interc.dgn



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184-001322

USER NAME	= mzu2do	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633 1/In.	CHECKED	-	REVISED	-
PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

INTERSECTION GRADING PLAN
TONNE ROAD AND LANDMEIER ROAD

SCALE: 1"=20'
SHEET 1 OF 1 SHEETS
STA. 502+00.00 TO STA. 508+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	26
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

DETAIL FOR PLACEMENT OF SIGN 6



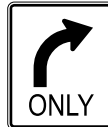
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W16-7P
21" X 15"
REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



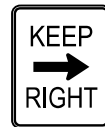
2

W11-2*
36"X36"
REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



3

R3-5 R/L
30" X 36"



6

R4-7a
24" X 30"
ATTACHED TO
PEDESTRIAN POST



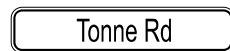
7

R5-1
30" X 30"
ATTACHED TO
MAST ARM



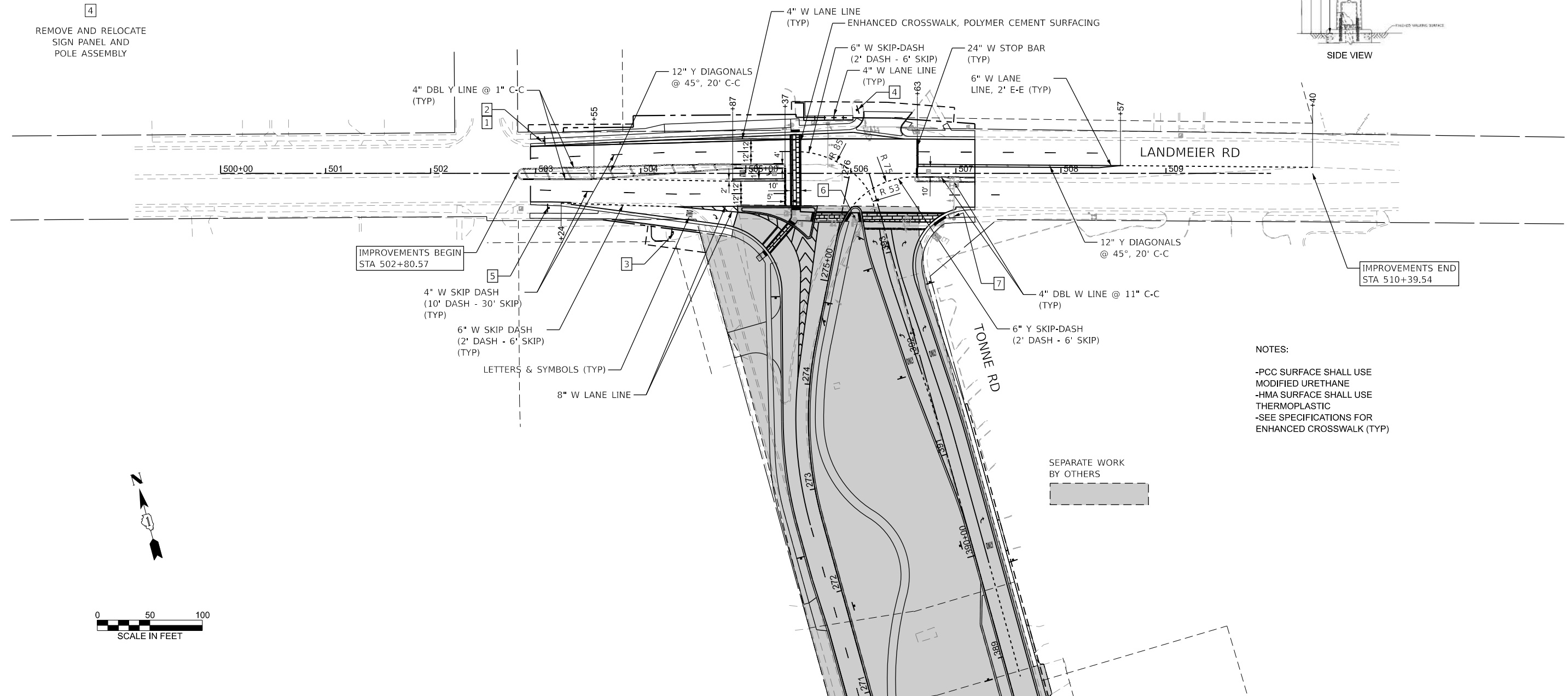
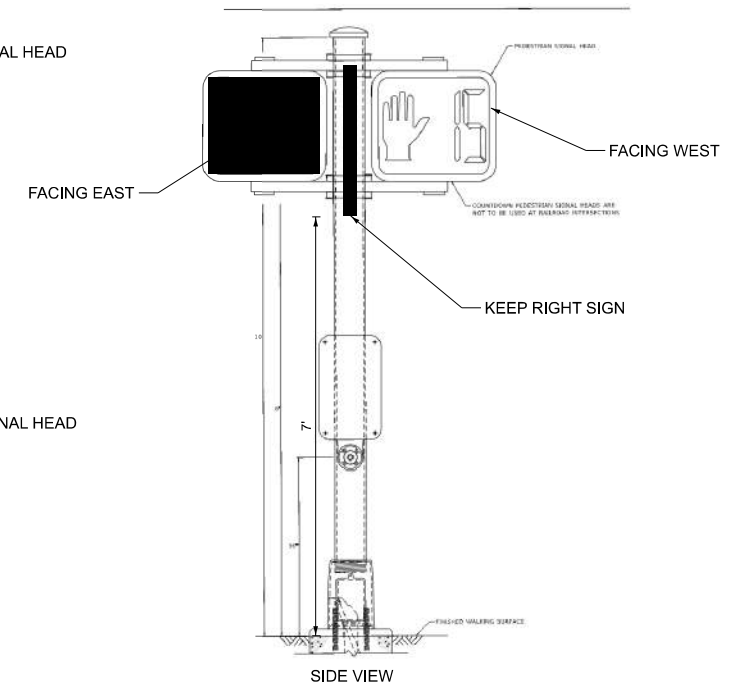
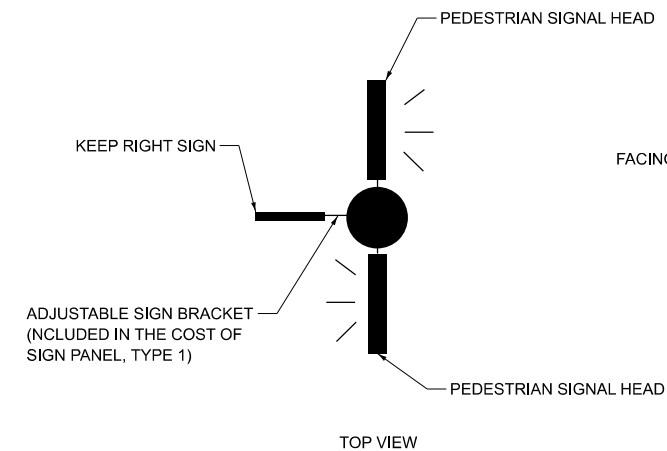
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REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



5

REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY



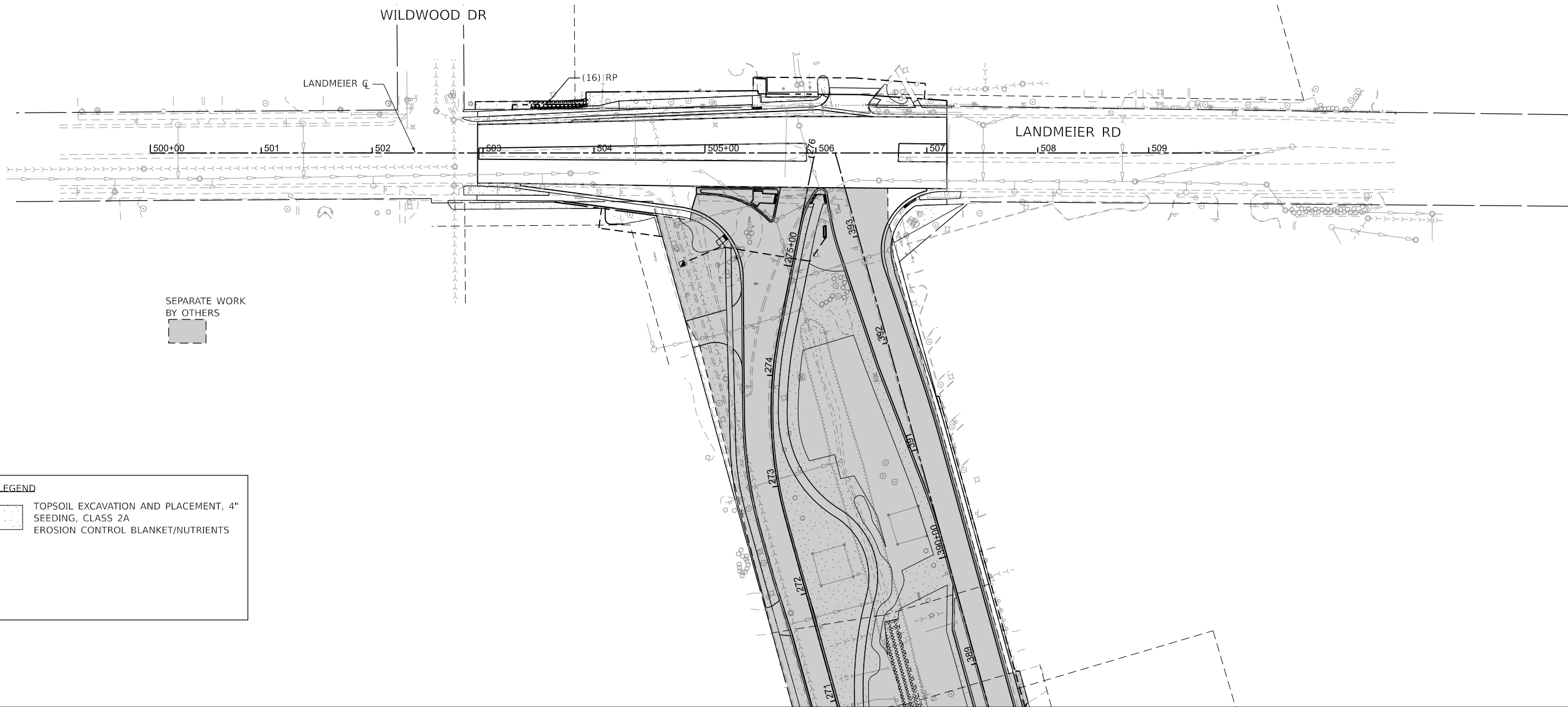
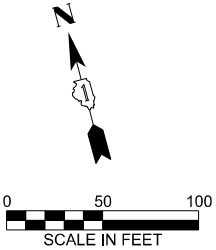
NOTES:

- PCC SURFACE SHALL USE MODIFIED URETHANE
- HMA SURFACE SHALL USE THERMOPLASTIC
- SEE SPECIFICATIONS FOR ENHANCED CROSSWALK (TYP)

SEPARATE WORK
BY OTHERS

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL/COMMON NAME	SIZE	SPACING
DECIDUOUS SHRUBS					
	RP	16	SHRUB, LIGUSTRUM OBTUSIFOLIUM REGELIANUM (REGEL PRIVET), 3' HEIGHT, BALLED AND BURLAPPED	3' HEIGHT	36" O.C.



LEGEND

-  TOPSOIL EXCAVATION AND PLACEMENT, 4" SEEDING, CLASS 2A
-  EROSION CONTROL BLANKET/NUTRIENTS

MODEL: Plan Sht1
FILE NAME: 220706_Lndscp_Phase2_Landmeier_North.dgn



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184-001322

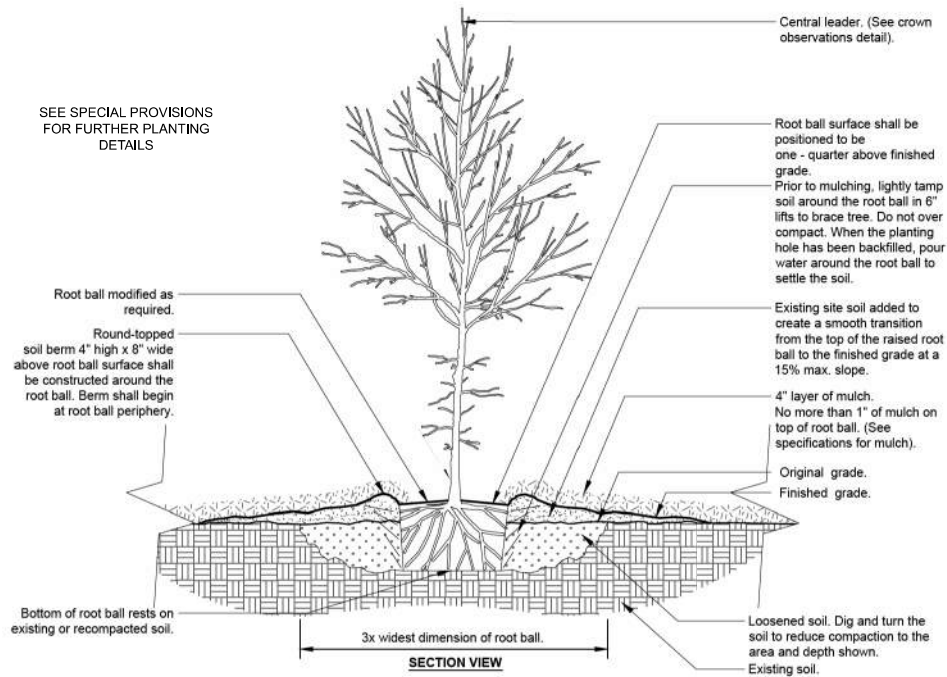
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	DRAWN -	REVISED -
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PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

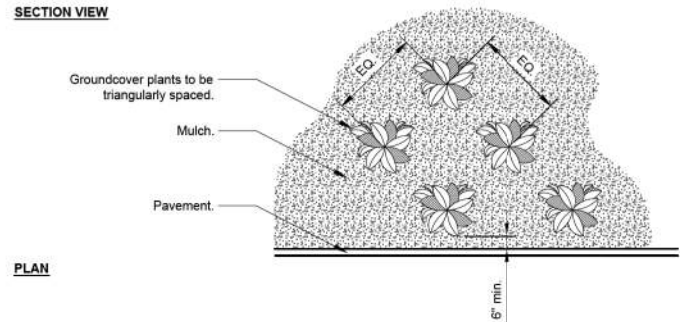
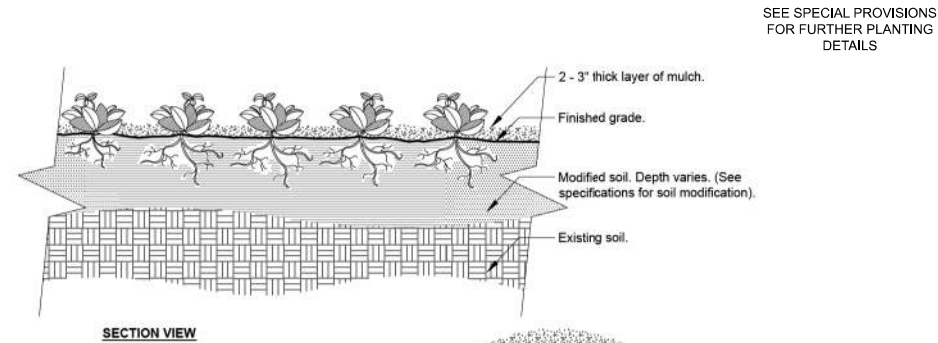
LANDSCAPE AND RESTORATION PLAN
LANDMEIER ROAD

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 498+00.00 TO STA. 513+00.00

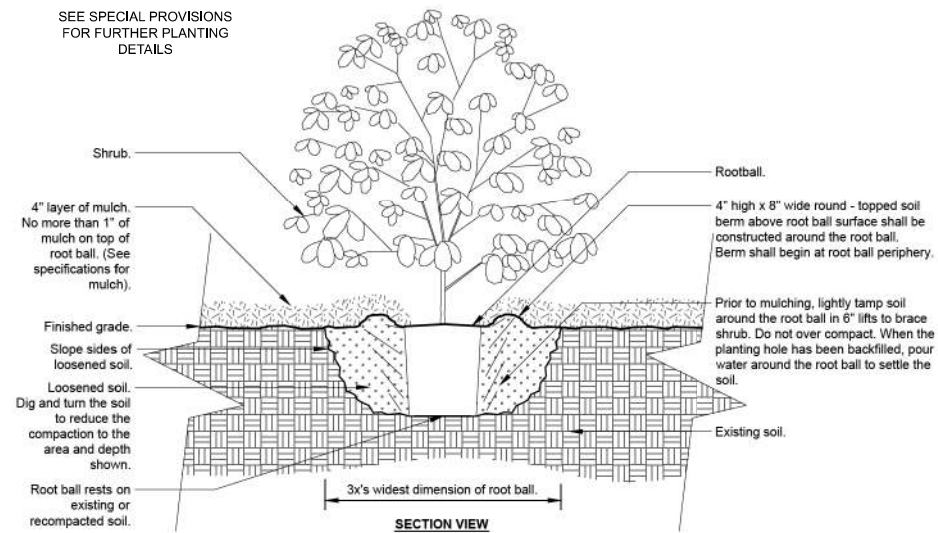
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	28
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



TREE DETAIL
SCALE: NTS



PERENNIAL PLANTING DETAIL
SCALE: NTS



SHRUB PLANTING DETAIL
SCALE: NTS

MODEL: Detail 2 [Sheet]
FILE NAME: \\hrgreen.com\hrg\Drawings\2022\20706\CAD\CAD_Sheets\Phase II Landscaping\20706_Landscape-detail.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

LANDSCAPE AND RESTORATION PLAN
DETAILS

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

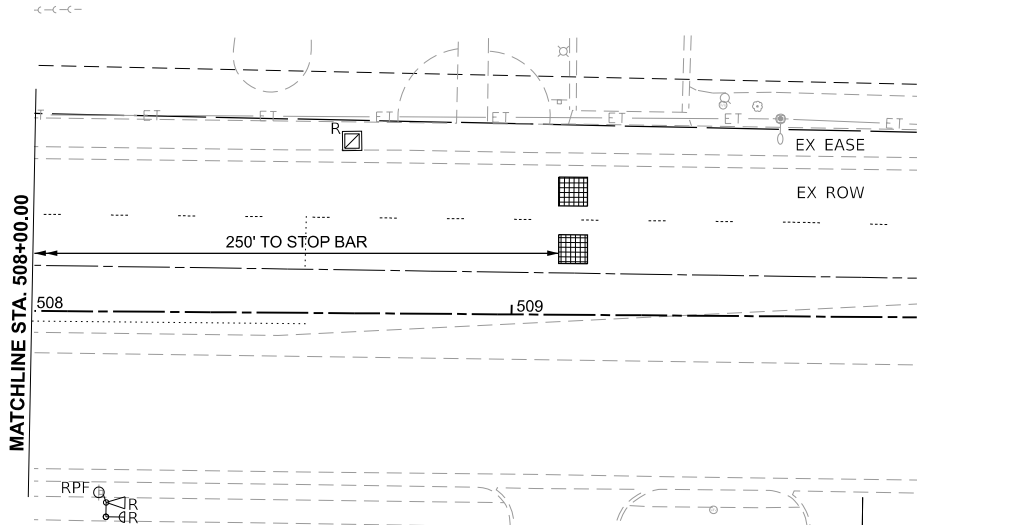
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	29
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL NOTES:

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY TRAFFIC SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. IF THE EXISTING INTERSECTION HAS ILLUMINATED STREET NAME SIGNS, THE CONTRACTOR SHALL FURNISH STANDARD NON-ILLUMINATED SIGNS FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF PERMANENT TRAFFIC SIGNAL WORK, ALL STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND RELOCATED TO PERMANENT TRAFFIC SIGNAL POLES AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.

TEMPORARY TRAFFIC SIGNAL NOTES (CONT.):

- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF TURN-ON IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN-ON.
- ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. ALL PERMANENT TRAFFIC SIGNAL SECTIONS SHALL BE BAGGED OR REMOVED WHILE THE TEMPORARY TRAFFIC SIGNAL IS IN OPERATION.
- ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL SIGNAL HEADS TO AGREE WITH CONSTRUCTION STAGING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER AND IS CONSIDERED TO BE PART OF THE PAY ITEM TEMPORARY TRAFFIC SIGNAL INSTALLATION. IF THERE IS UTILITY CONFLICT, SIGNAL HEAD CAN BE PUT HORIZONTALLY.



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- | | | |
|----|------|----------------------------------|
| 2 | EACH | STEEL MAST ARM ASSEMBLY AND POST |
| 7 | EACH | TRAFFIC SIGNAL POST |
| 12 | EACH | 3-SECTION SIGNAL HEAD |
| 2 | EACH | 5-SECTION SIGNAL HEAD |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 6 | EACH | HANDHOLE |
| 1 | EACH | DOUBLE HANDHOLE |
| 1 | EACH | SERVICE INSTALLATION |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF ELK GROVE VILLAGE. THE CONTRACTOR SHALL SAFELY STORE AND DELIVER ALL EQUIPMENT TO THE VILLAGE.

- | | | |
|---|------|--------------------------|
| 3 | EACH | CONFIRMATION BEACON |
| 3 | EACH | LIGHT DETECTOR |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS (CCDOH). THE CONTRACTOR SHALL SAFELY STORE AND DELIVER ALL EQUIPMENT TO THE COUNTY MAINTENANCE CONTRACTOR PER SPECIAL PROVISIONS.

- | | | |
|---|------|-----------------------------------|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE) |
|---|------|-----------------------------------|

VILLAGE OF ELK GROVE

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
TONNE ROAD AND LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

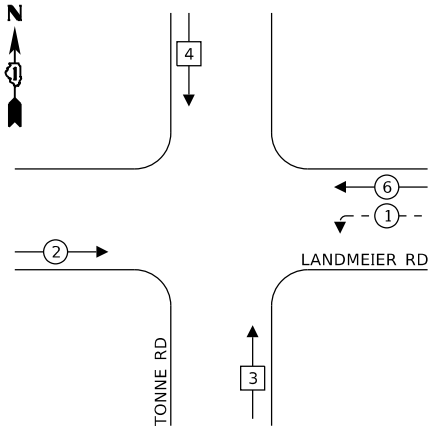
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1333		COOK	72	30
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: Plan 1 [Sheet]
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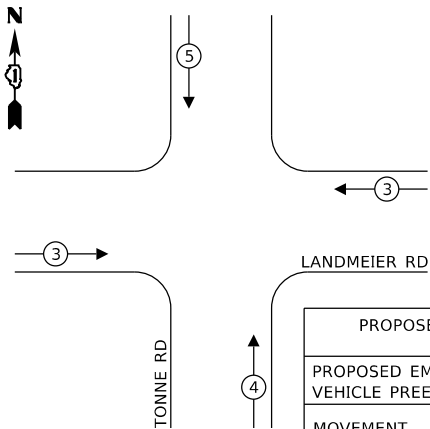
TEMPORARY CONTROLLER SEQUENCE



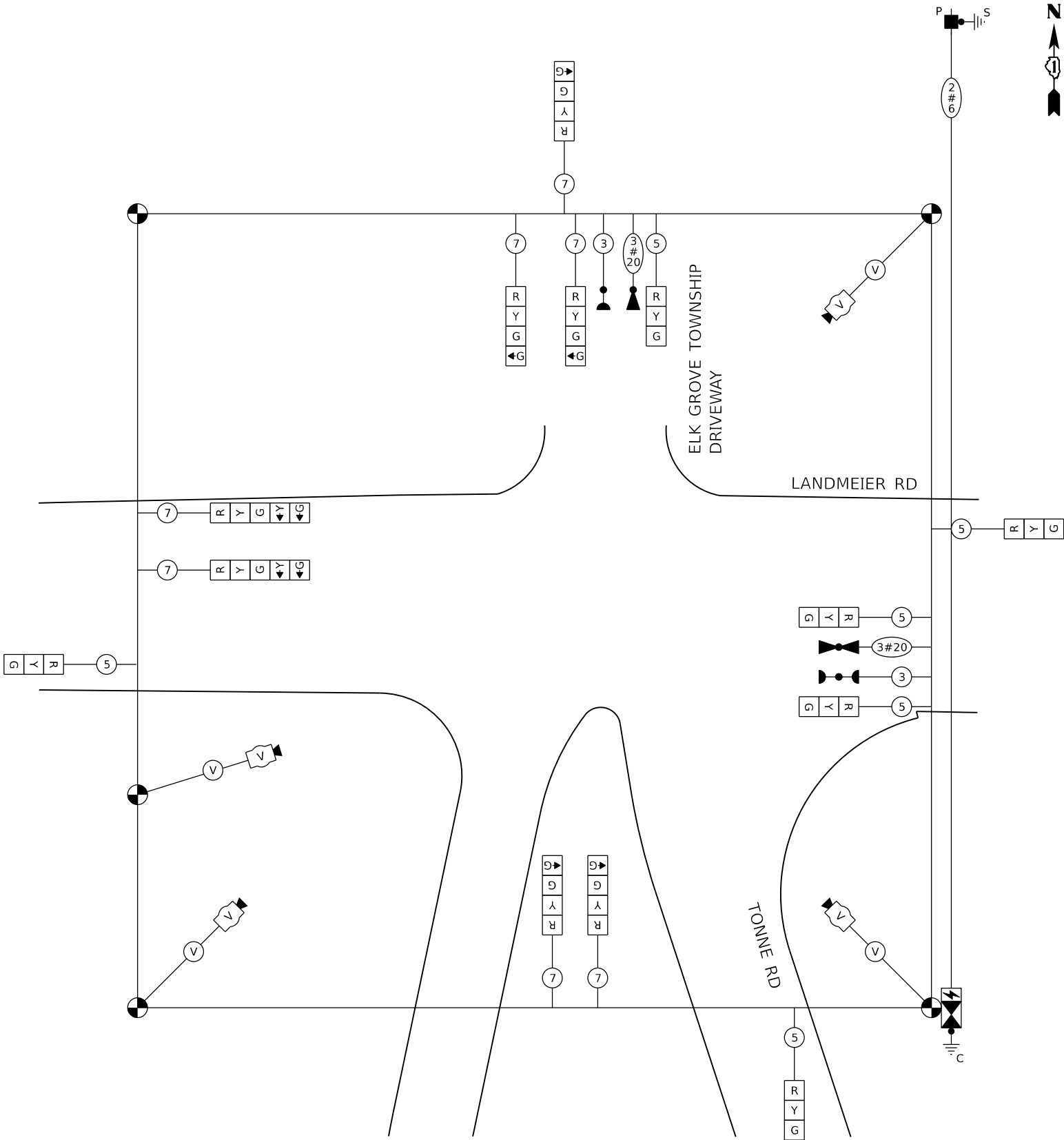
LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ - - PROTECTED/PERMITTED PHASE
- ← ⊛ → SPLIT PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ⬢ OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	↔	↑	↓



TEMPORARY CABLE PLAN (ALL STAGES)
(NOT TO SCALE)

MODEL: Plan 1 [Sheet]
FILE NAME: 220706_sht_1s_Landmeier_TempSigCab01.dgn



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PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
TONNE ROAD AND LANDMEIER ROAD

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

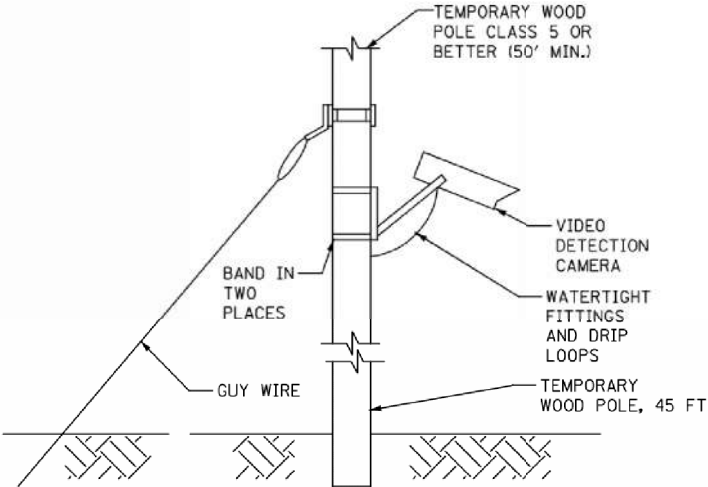
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1333		COOK	72	31
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL NOTES:

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY TRAFFIC SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. IF THE EXISTING INTERSECTION HAS ILLUMINATED STREET NAME SIGNS, THE CONTRACTOR SHALL FURNISH STANDARD NON-ILLUMINATED SIGNS FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF PERMANENT TRAFFIC SIGNAL WORK, ALL STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND RELOCATED TO PERMANENT TRAFFIC SIGNAL POLES AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF TURN-ON IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN-ON.
7. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. ALL PERMANENT TRAFFIC SIGNAL SECTIONS SHALL BE BAGGED OR REMOVED WHILE THE TEMPORARY TRAFFIC SIGNAL IS IN OPERATION.
8. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL SIGNAL HEADS TO AGREE WITH CONSTRUCTION STAGING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER AND IS CONSIDERED TO BE PART OF THE PAY ITEM TEMPORARY TRAFFIC SIGNAL INSTALLATION. IF THERE IS UTILITY CONFLICT, SIGNAL HEAD CAN BE PUT HORIZONTALLY.

TEMPORARY SIGNAL ESTIMATED BILL OF MATERIALS

ITEM	UNIT	TOTAL
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
SPAN WIRE	FOOT	463
TETHER WIRE	FOOT	463
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	250
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	670
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	1,225
ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2C	FOOT	170
ELECTRIC CABLE AERIAL SUSPENDED, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	50
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	245
WOOD POLE, 45 FT, CLASS 5	EACH	5
VIDEO DETECTION SYSTEM COMPLETE	EACH	1
FULL-ACTUATED CONTROLLER AND CABINET, COMPLETE	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION SPAN WIRE MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 4-SECTION SPAN WIRE MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION SPAN WIRE MOUNTED	EACH	2



TEMPORARY VIDEO DETECTION MOUNTING DETAIL

N.T.S.

VILLAGE OF ELK GROVE

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
TONNE ROAD AND LANDMEIER ROAD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	32
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

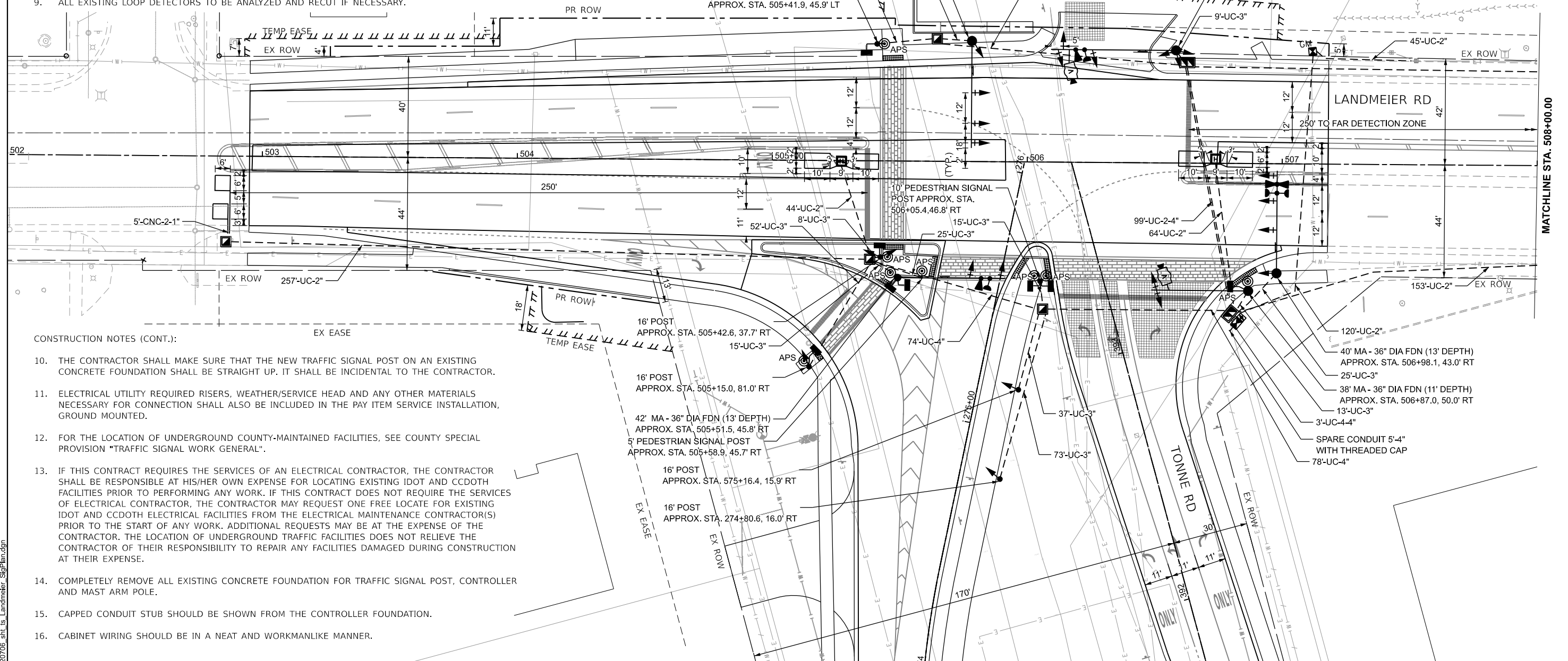
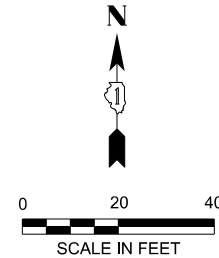
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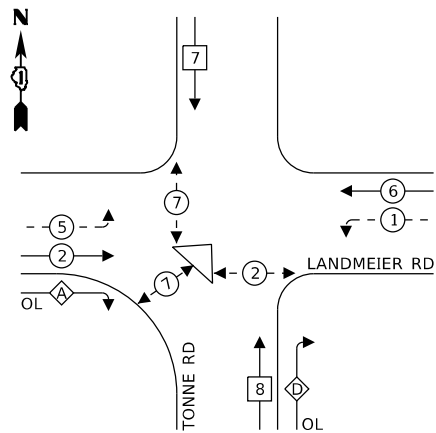
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

1. THE CONTRACTOR SHALL INFORM THE CCDOTH DESIGN ENGINEER AT (312) 603-1734 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
2. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCDOTH DESIGN ENGINEER AT (312) 603-1734 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
3. ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM THE END OF THE MAST ARM UNLESS OTHERWISE NOTED.
4. ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM, AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND THE SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF SHOULDER WHICHEVER DISTANCE IS GREATER.
5. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
6. ALL ELECTRICAL CABLE SHOULD HAVE POLYVINYL CHLORIDE JACKET.
7. CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
8. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACK.
9. ALL EXISTING LOOP DETECTORS TO BE ANALYZED AND RECUT IF NECESSARY.



10. THE CONTRACTOR SHALL MAKE SURE THAT THE NEW TRAFFIC SIGNAL POST ON AN EXISTING CONCRETE FOUNDATION SHALL BE STRAIGHT UP. IT SHALL BE INCIDENTAL TO THE CONTRACTOR.
11. ELECTRICAL UTILITY REQUIRED RISERS, WEATHER/SERVICE HEAD AND ANY OTHER MATERIALS NECESSARY FOR CONNECTION SHALL ALSO BE INCLUDED IN THE PAY ITEM SERVICE INSTALLATION, GROUND MOUNTED.
12. FOR THE LOCATION OF UNDERGROUND COUNTY-MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
13. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT AND CCDOTH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT AND CCDOTH ELECTRICAL FACILITIES FROM THE ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
14. COMPLETELY REMOVE ALL EXISTING CONCRETE FOUNDATION FOR TRAFFIC SIGNAL POST, CONTROLLER AND MAST ARM POLE.
15. CAPPED CONDUIT STUB SHOULD BE SHOWN FROM THE CONTROLLER FOUNDATION.
16. CABINET WIRING SHOULD BE IN A NEAT AND WORKMANLIKE MANNER.

PROPOSED CONTROLLER SEQUENCE



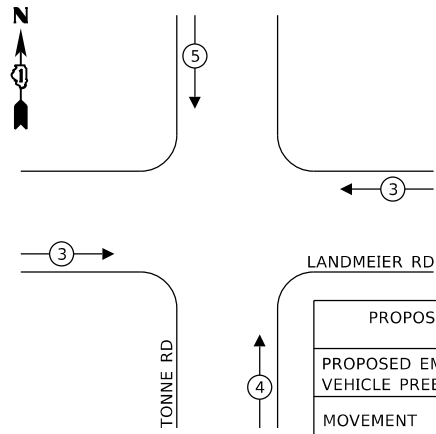
LEGEND:

- SPLIT PHASE
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	8
D	8	1

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	↑	↓

LOCATION: Landmeier Road at Tonne Road COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1	100.00
VEHICLE DET.	6	5	1	30.00
PED. SIGNAL	8	25	1	200.00
12" SIGNAL (RED)	22	17	0.5	187.00
(YELLOW)	22	25	0.05	27.50
(GREEN)	28	15	0.45	189.00
(ARROW)	22	12	0.1	26.40
ILLUMINATED LED STREET NAME 6'	2	108	0.4	86.40
ILLUMINATED LED STREET NAME 8'	2	144	0.4	115.20
HEATER	1	200	0.3	60.00
UPS	1	25	1	25.00
VIDEO DET.	2	25	1	50.00
TOTAL =				1096.50

ENERGY COST TO:
Cook County Bureau of Asset Management
69 W. Washington, Ste. 3100
Chicago, IL 60602
TOWER ACCOUNT NO. 8525916000

Village of Elk Grove

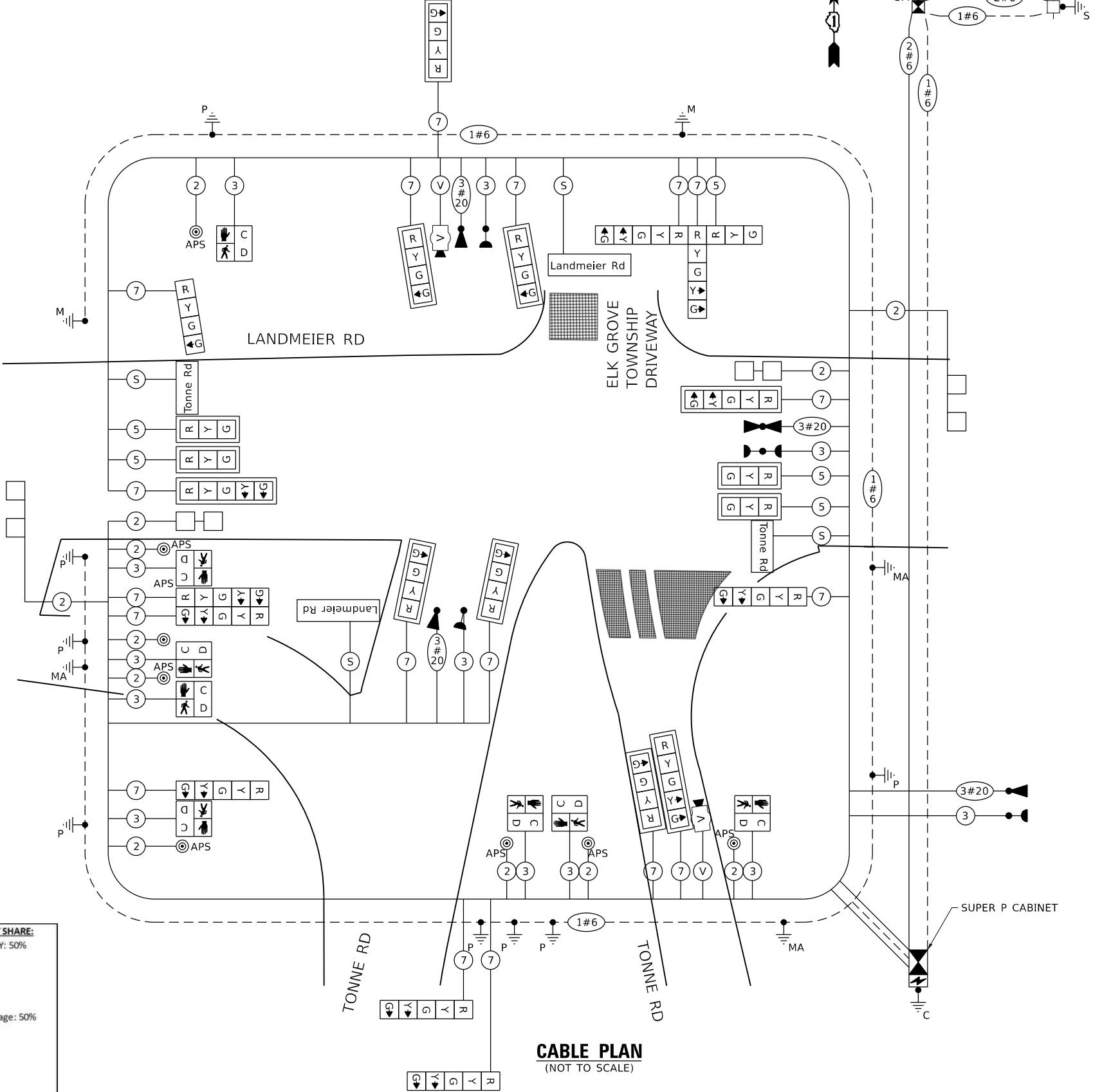
Attention: Public Works
901 Wellington Avenue
Elk Grove, IL 60007

ENERGY SUPPLY CONTACT: ComEd
PHONE: (866) 639-3532
COMPANY: ComEd

ENERGY COST SHARE:
COOK COUNTY: 50%

Elk Grove Village: 50%

EFFECTIVE DATE:
TO BE DETERMINED



CABLE PLAN
(NOT TO SCALE)

CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
TONNE ROAD AND LANDMEIER ROAD

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	34
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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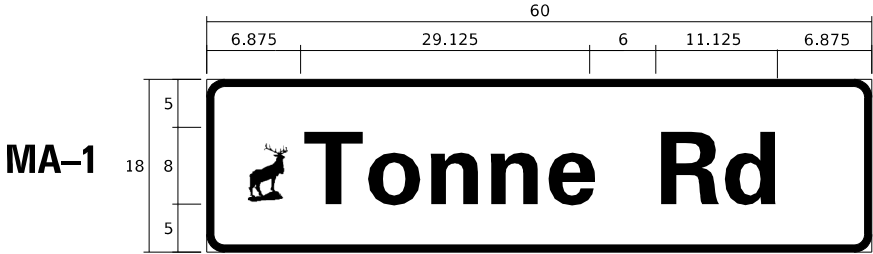
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CHECKED	-
DATE	-
DATE	= 10/13/2025

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REVISD	-
REVISD	-

VILLAGE OF ELK GROVE

LED INTERNALLY ILLUMINATED STREET NAME SIGNS

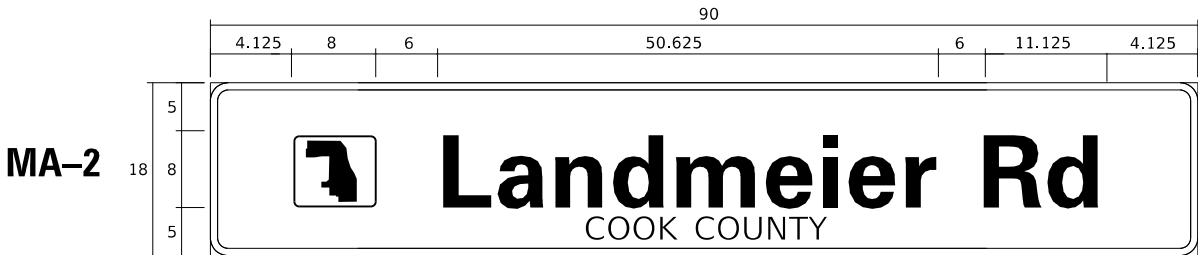
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.
SEE LED ILLUMINATED SIGN PANEL DETAIL SHEETS.



DESIGN SERIES	AREA (SQ FT)	QTY REQUIRED
D	6.75	2



ELK GROVE
VILLAGE LOGO



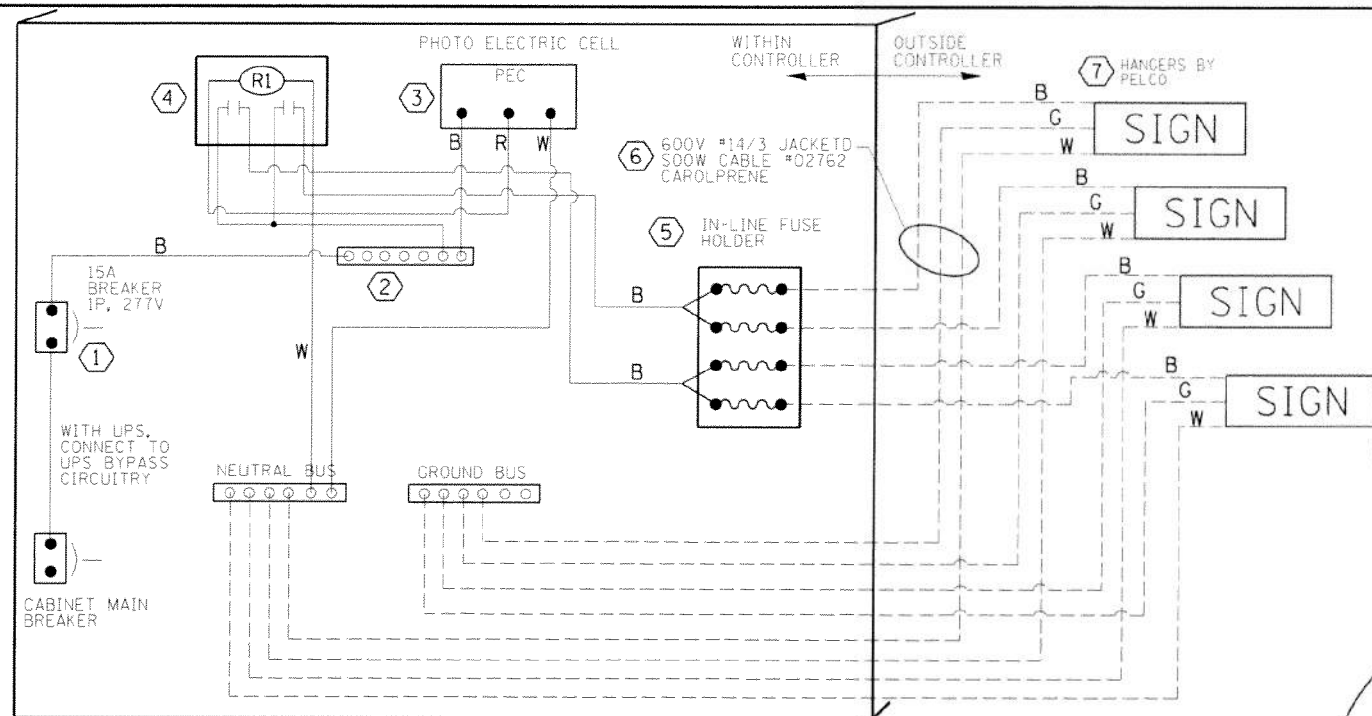
DESIGN SERIES	AREA (SQ FT)	QTY REQUIRED
D	11.25	1



COOK COUNTY
LOGO

SCHEDULE OF QUANTITIES

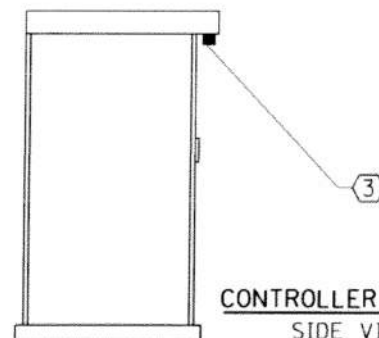
ITEM	UNIT	TOTAL
ELECTRIC SERVICE	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	939
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	306
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	450
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,430
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,229
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	897
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,366
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,152
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	145
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	848
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
DETECTOR LOOP, TYPE I	FOOT	378
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	739
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	FOOT	2
PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	773
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	5
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	1
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	4



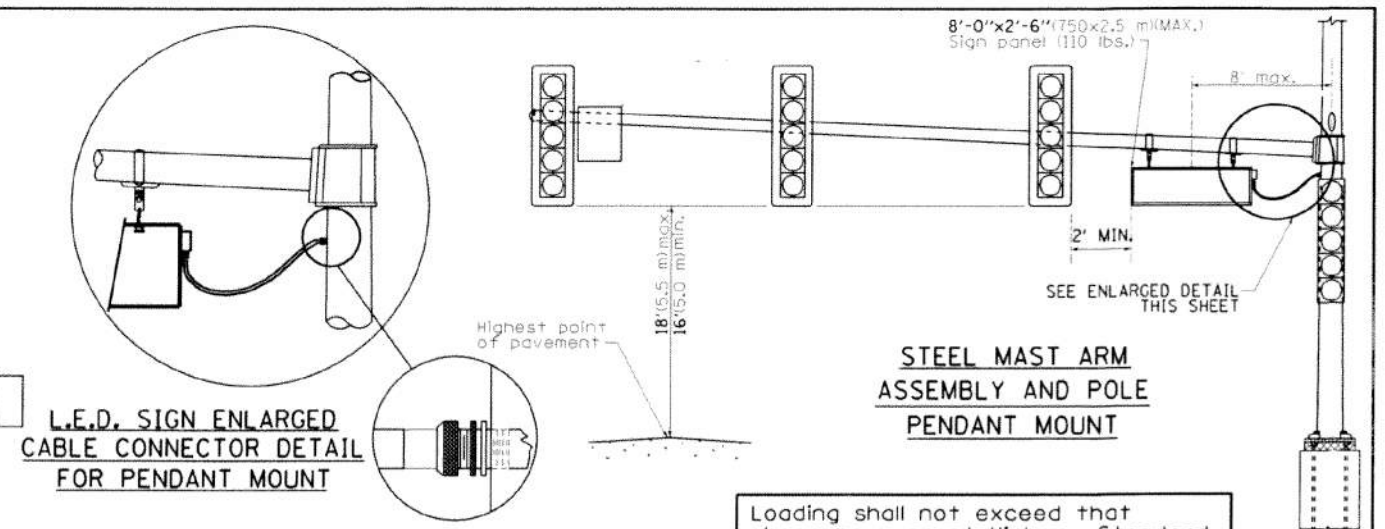
LED SIGN WIRING DETAIL

BILL OF MATERIALS

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	Pendant (SE-5015) Direct mount (AB-0104-L-SP) Additional sign stiffeners may be required for direct mounted signs.	S.S. HARDWARE

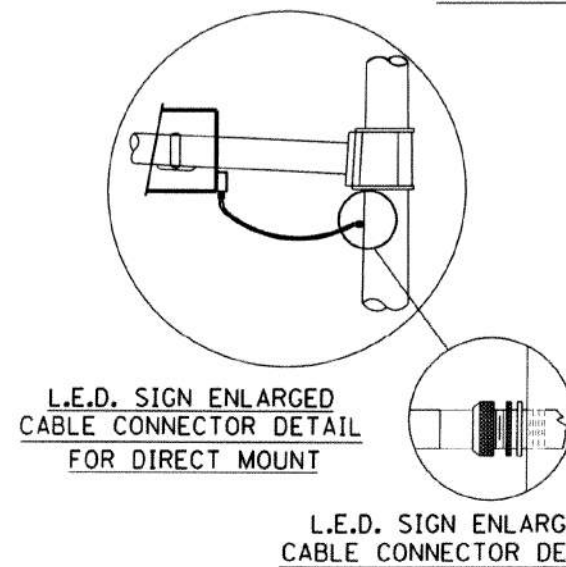


CONTROLLER CABINET
SIDE VIEW



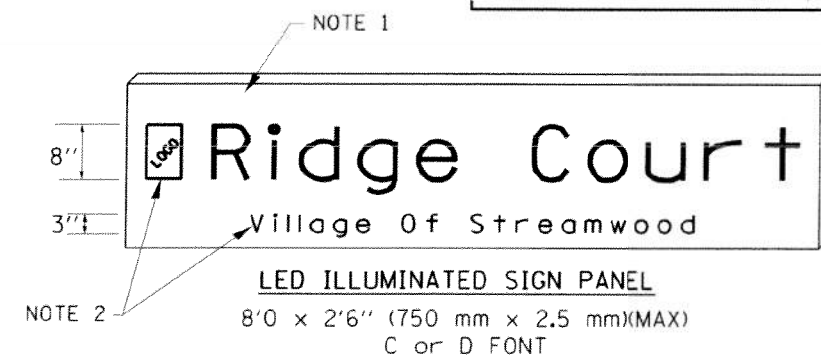
STEEL MAST ARM
ASSEMBLY AND POLE
PENDANT MOUNT

Loading shall not exceed that shown on current Highway Standard.



STEEL MAST ARM
ASSEMBLY AND POLE
DIRECT MOUNT

Loading shall not exceed that shown on current Highway Standard.



LED ILLUMINATED SIGN PANEL

8'-0" x 2'-6" (750 mm x 2.5 mm)(MAX)
C or D FONT

NOTES:

- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

FILE NAME: P:\Traffic\CAD\Illuminated Street Name Sign.dgn	USER NAME: mazzda	DESIGNED: BCK	REVISED: -
		DRAWN: BCK	REVISED: -
		CHECKED: DAD	REVISED: -
		DATE: -	REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
ILLUMINATED STREET NAME SIGN

FAU RTE. 029	SECTION 2011-038-15	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 21A
CONTRACT NO. 60P44				

SCALE: SHEET NO. 7 OF 8 SHEETS STA. TO STA.

FAU RTE. 1333	SECTION	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 36
CONTRACT NO.				

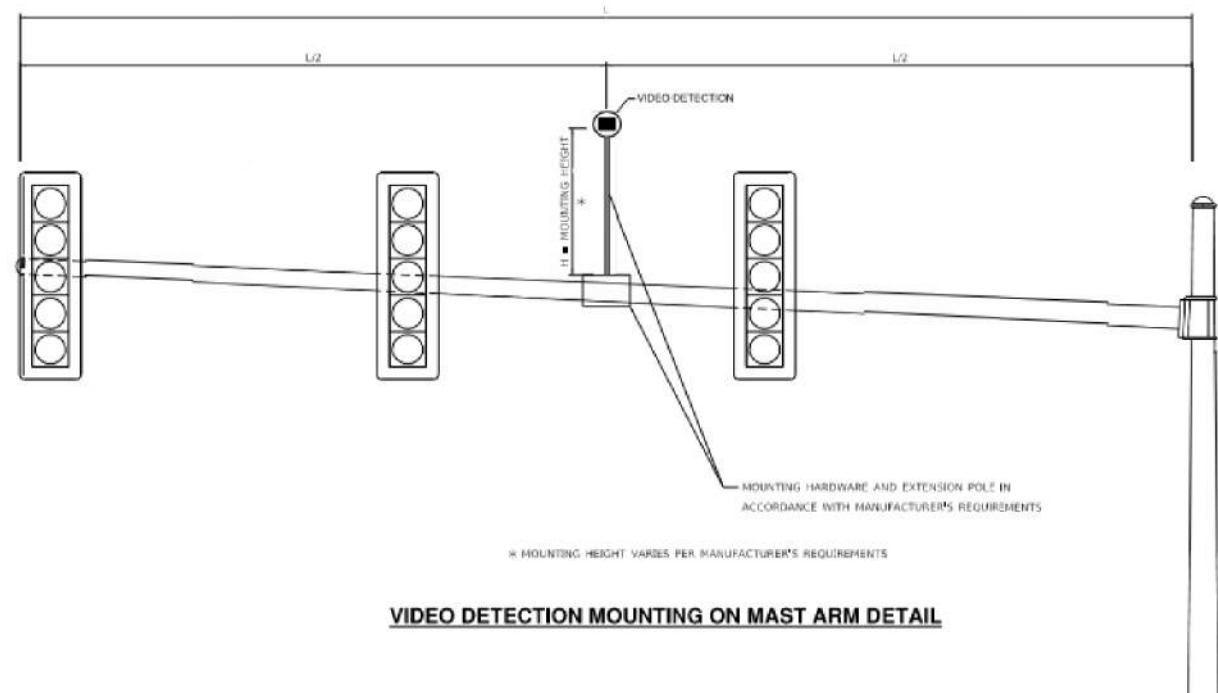
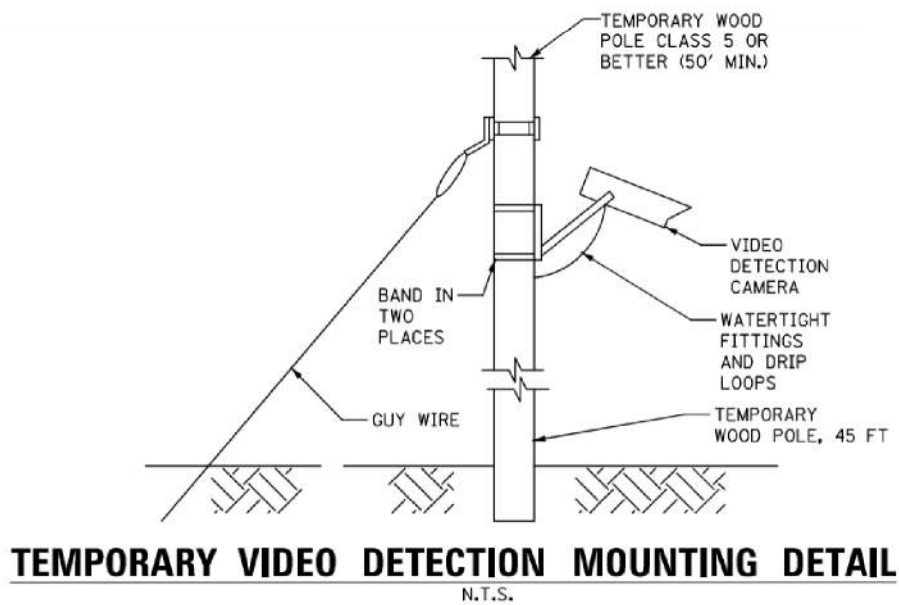
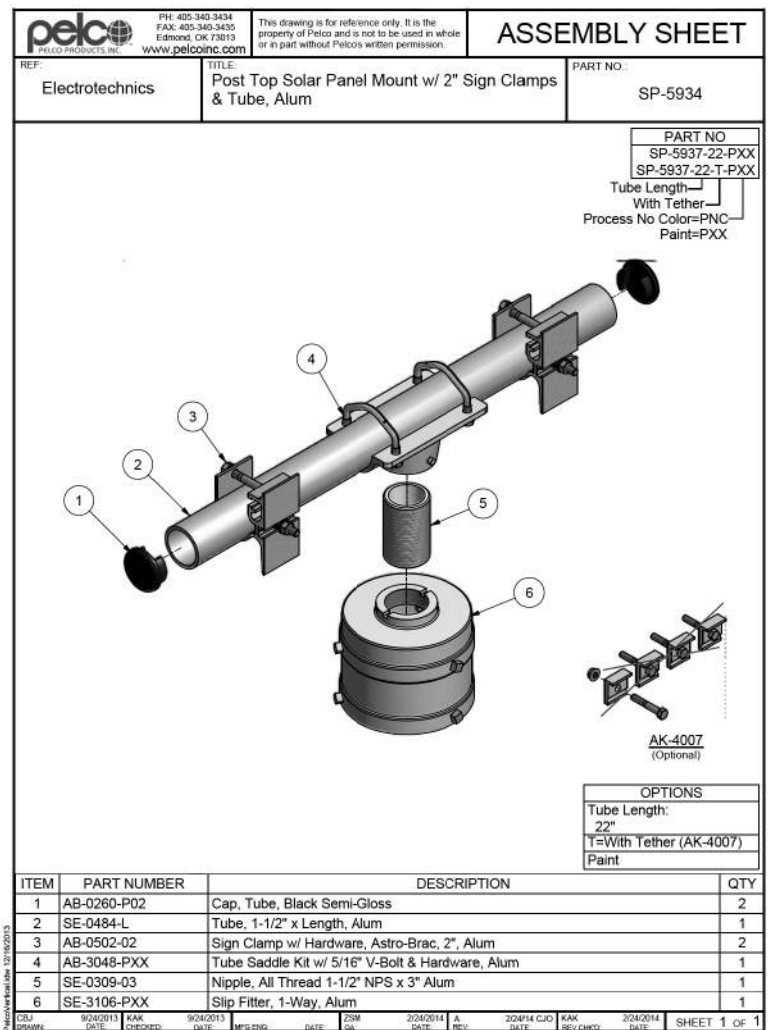
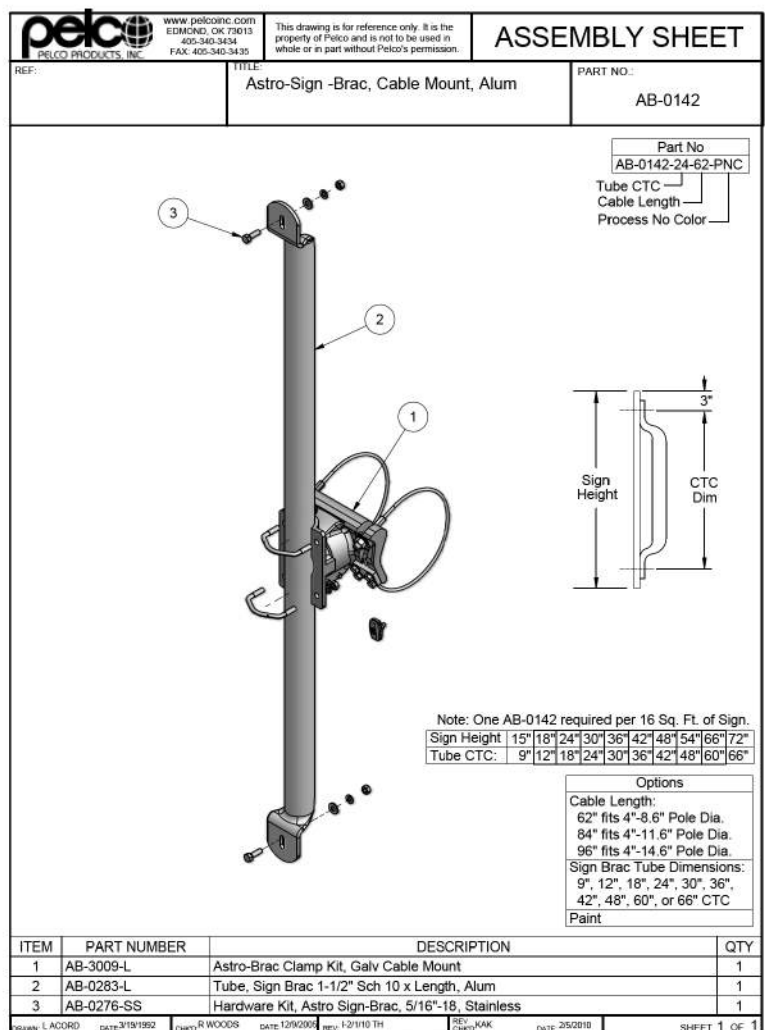
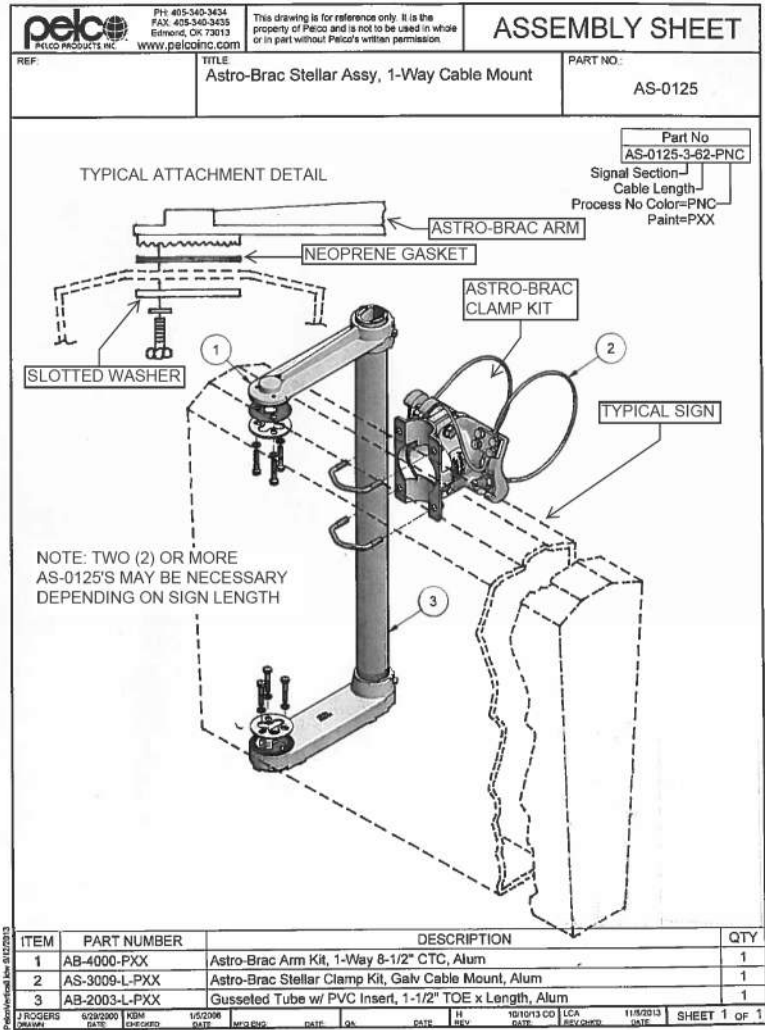
ILLINOIS FED. AID PROJECT

VILLAGE OF ELK GROVE

TRAFFIC SIGNAL DETAILS
TONNE ROAD

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

USER NAME: mazzda	DESIGNED: -	REVISED: -
	DRAWN: -	REVISED: -
PLOT SCALE: 0.1666667/in.	CHECKED: -	REVISED: -
PLOT DATE: 10/13/2025	DATE: -	REVISED: -



MODEL: Detail 1 (Sheet)
FILE NAME: 220706_sht_1s_Details_03.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = muzzio	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

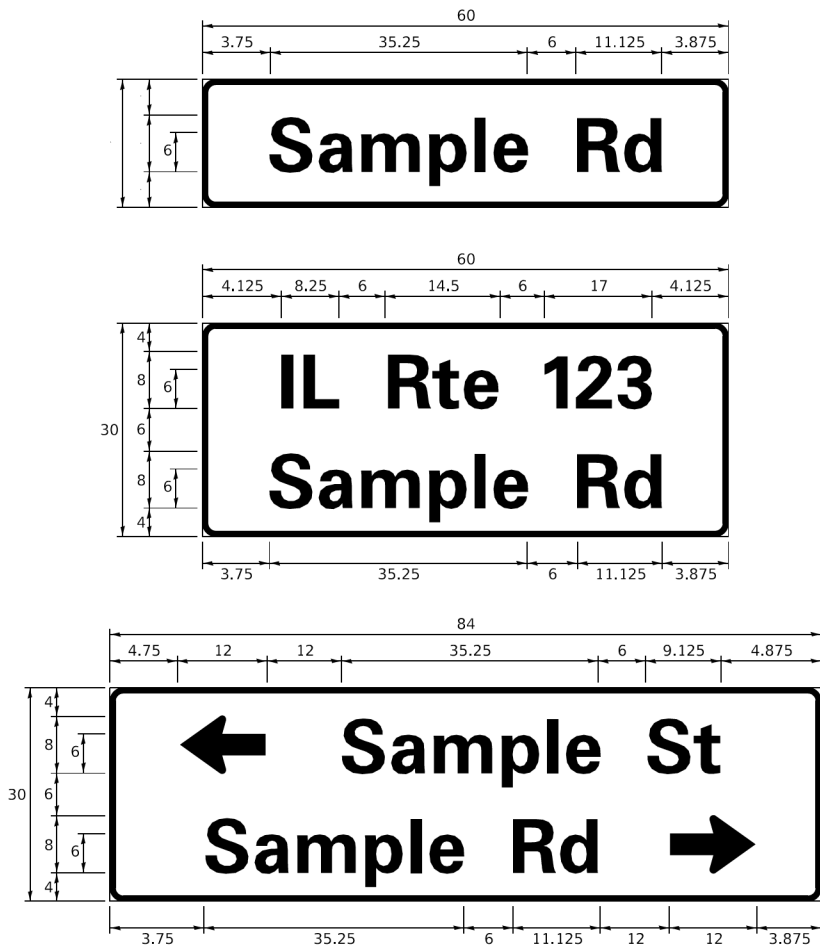
VILLAGE OF ELK GROVE

TRAFFIC SIGNAL DETAILS
TONNE ROAD

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	37
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

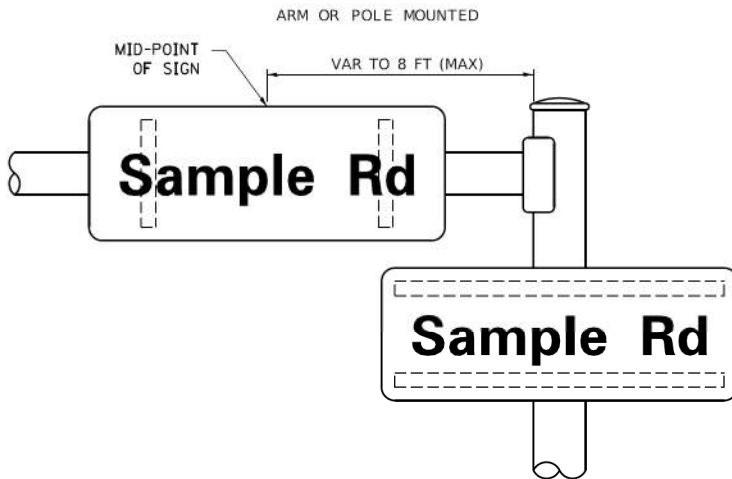
SIGN CHANNEL
SIGN SCREWS

BRACKETS

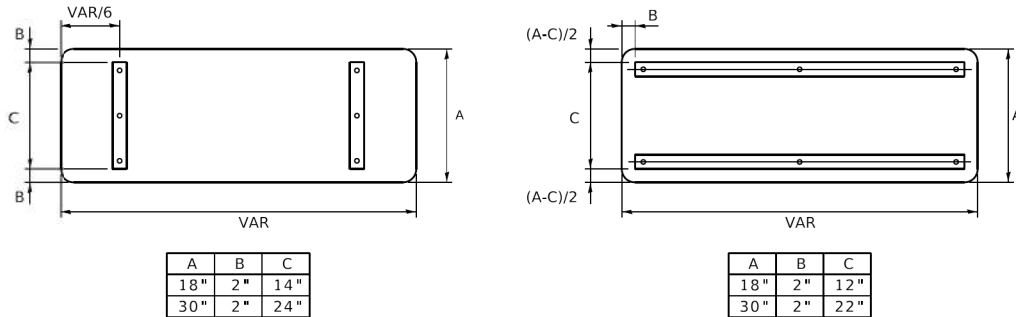
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

USER NAME = mzuzdo	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ELK GROVE

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-02		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	38
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: ts05a (Sheet)
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			DRAWN	-	JP	REVISED	-
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	PLOT DATE	= 3/4/2019	DATE	-	9/29/2016	REVISED	-

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	PLOT SCALE	= 0.16666633 ' / in.	CHECKED	-	LP	REVISED	-
	PLOT DATE	= 10/13/2025	DATE	-		REVISED	-

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

	USER NAME	= mzuzda	DESIGNED	-	IP	REVISED	-
			DRAWN	-	JP	REVISED	-
	PLOT SCALE	= 50.0000 ' / in.	CHECKED	-	LP	REVISED	-
	PLOT DATE	= 3/4/2019	DATE	-	9/29/2016	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								TS-05				
								CONTRACT NO.				
								ILLINOIS FED. AID PROJECT				

VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

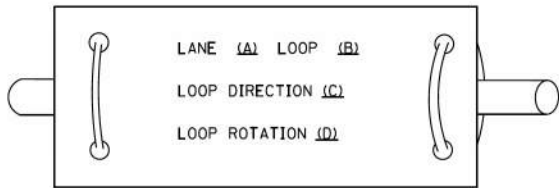
SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	39
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

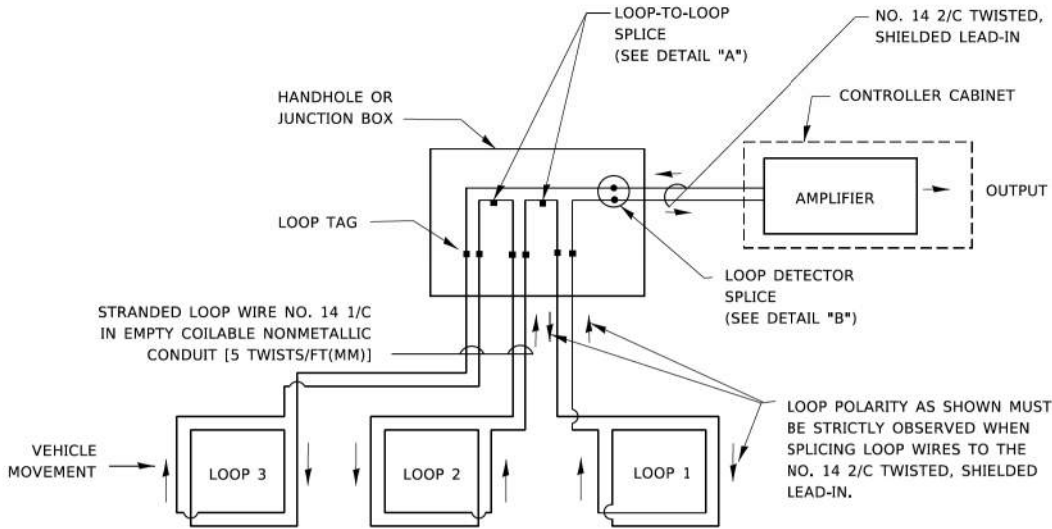
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE, SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 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.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

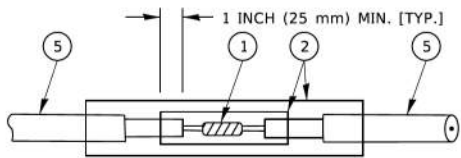


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

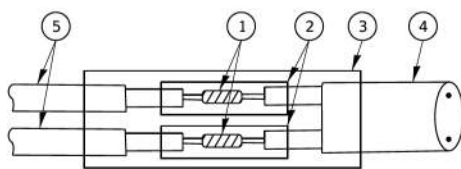


DETECTOR LOOP WIRING SCHEMATIC

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

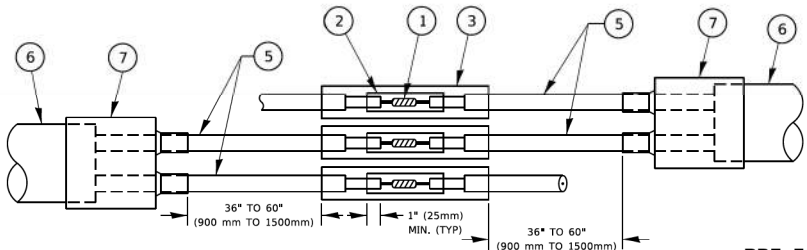


DETAIL "A"
LOOP-TO-LOOP SPLICE

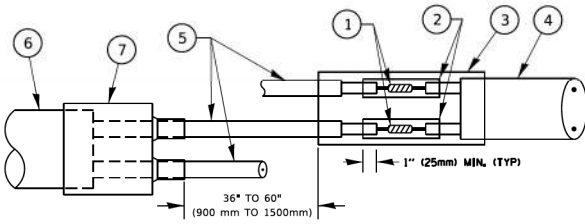


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

	USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED -		SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.				TS-05 CONTRACT NO.				
	PLOT DATE = 3/4/2019	CHECKED -	REVISED -										
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



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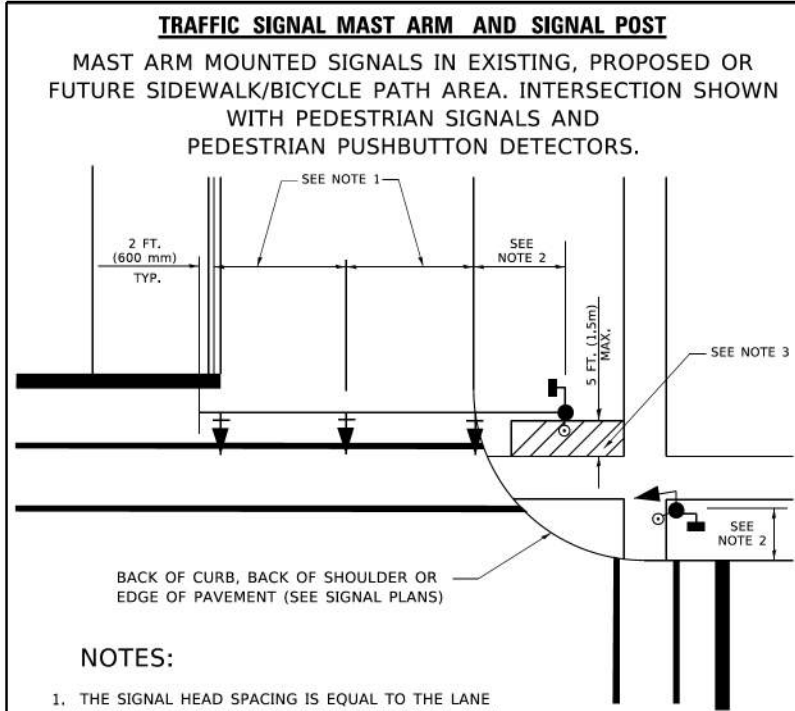
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DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 " / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

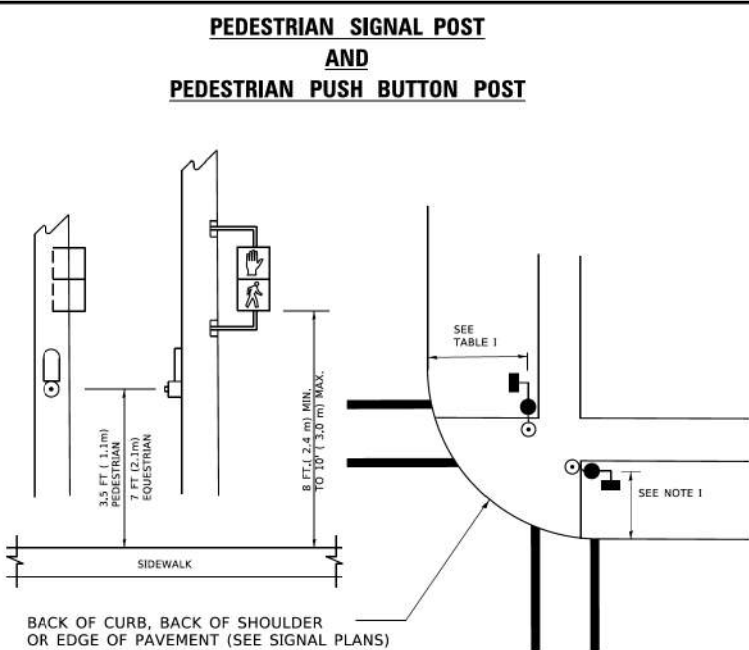
SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	40
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



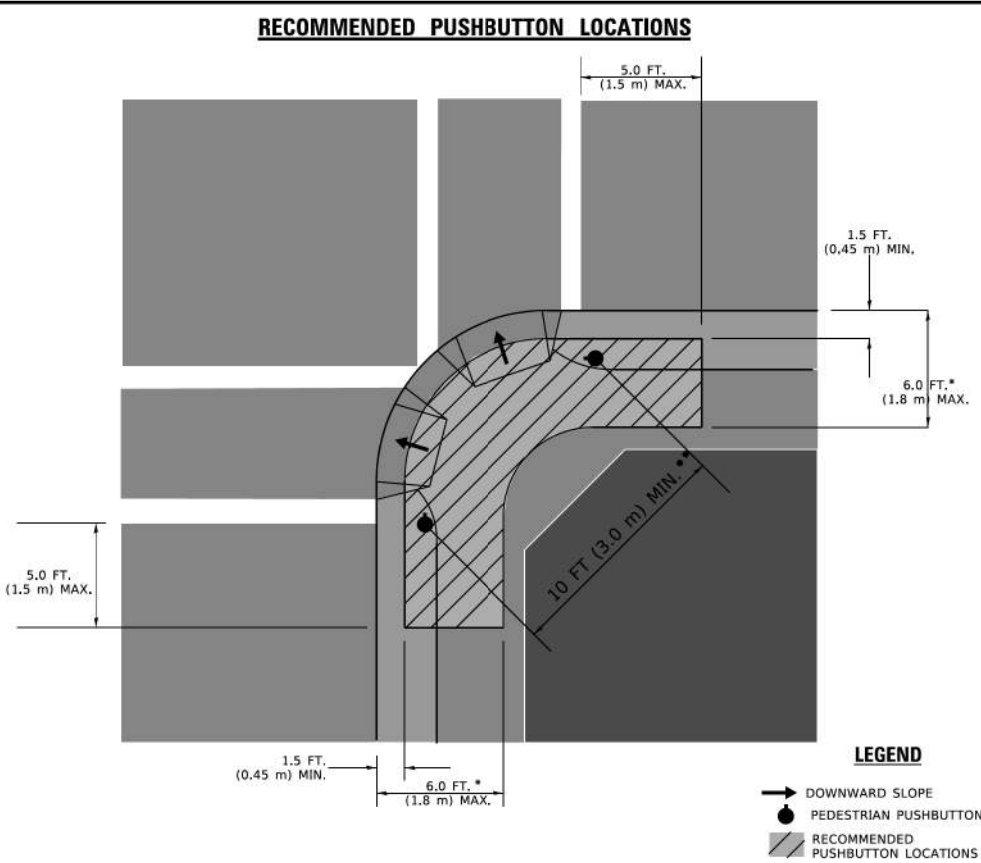
NOTES:

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



NOTES:

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



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

**DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

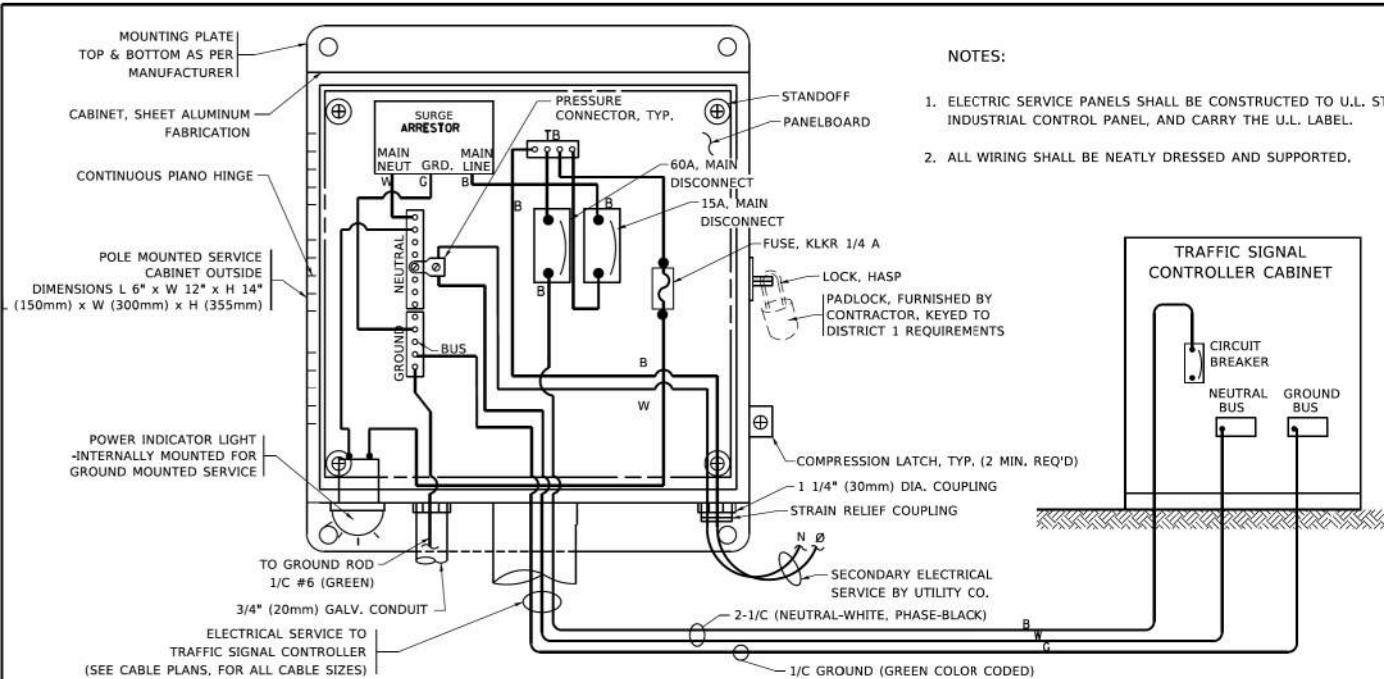


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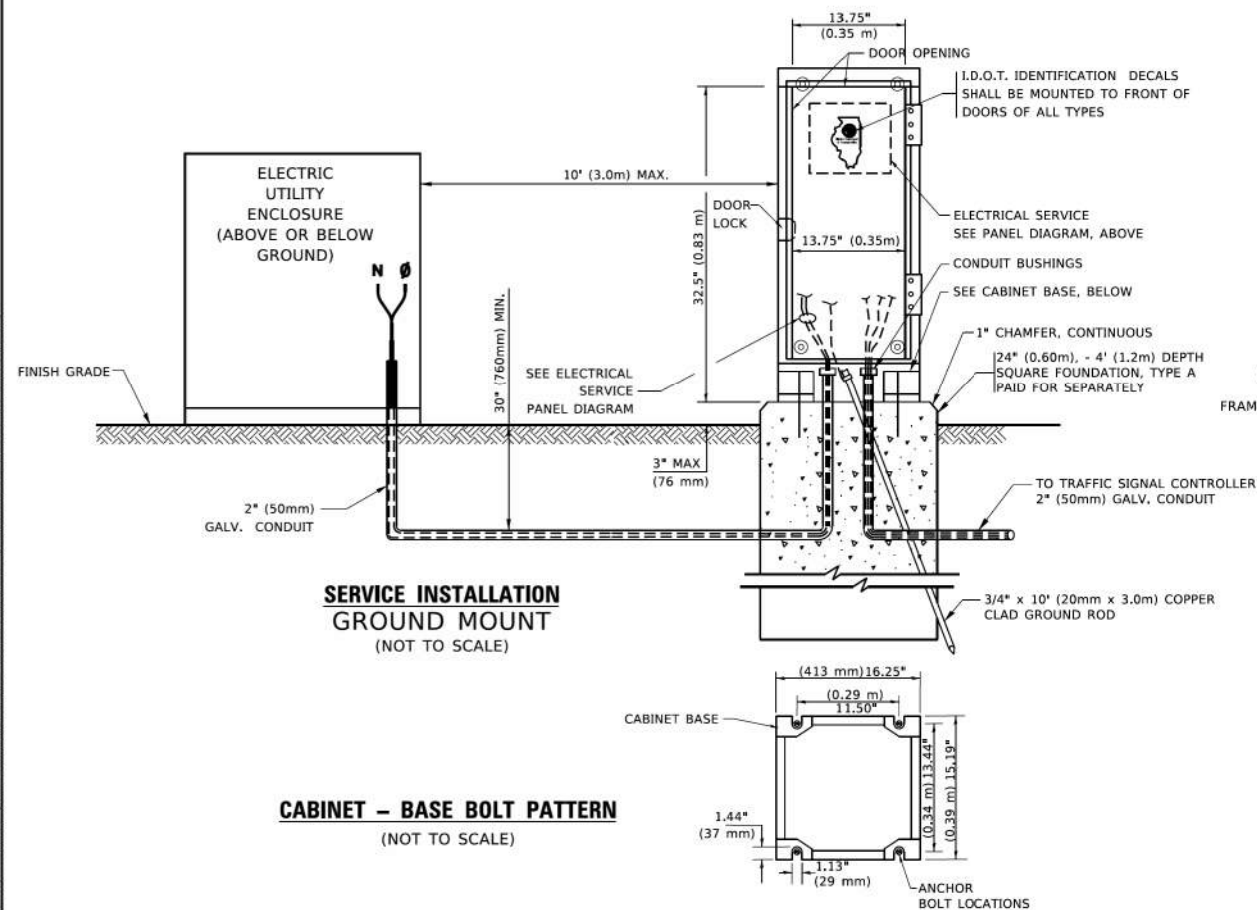
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VILLAGE OF ELK GROVE

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

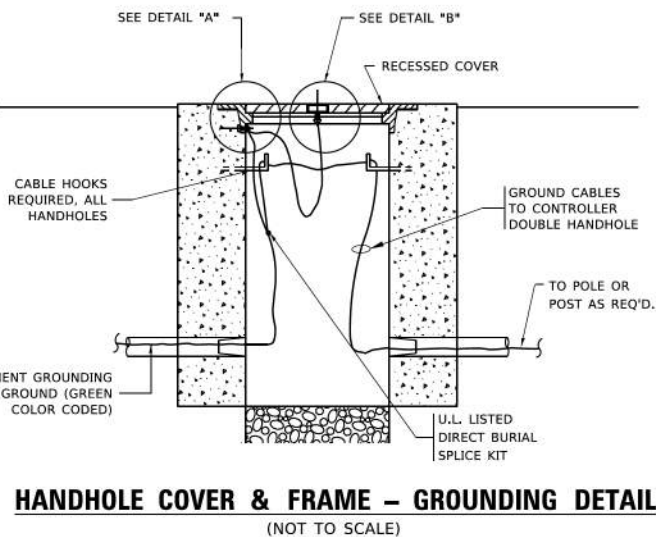
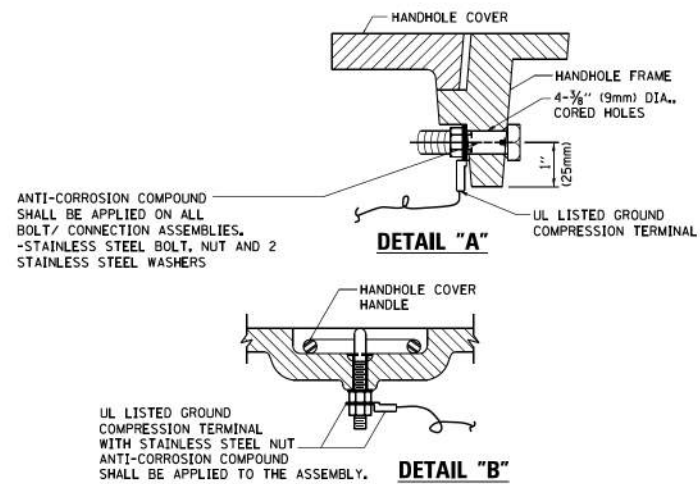


SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)

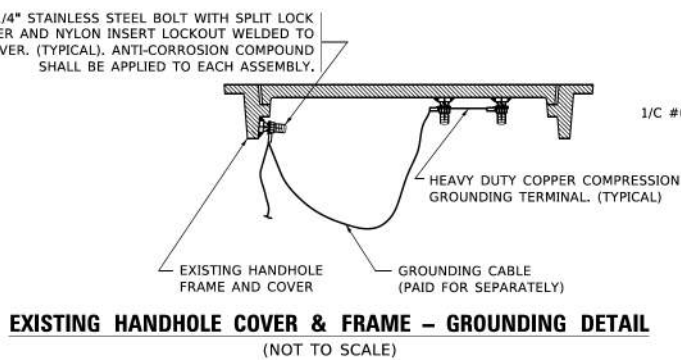
CABINET – BASE BOLT PATTERN
(NOT TO SCALE)

NOTES:

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



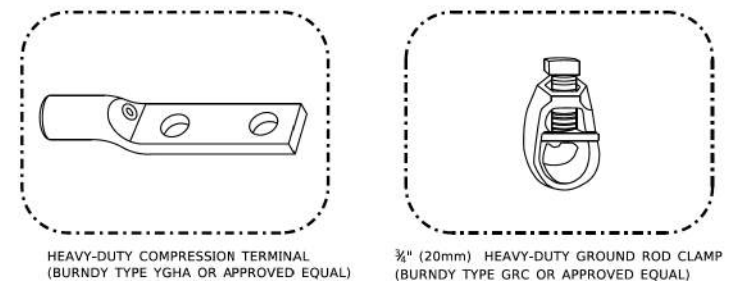
HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)



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

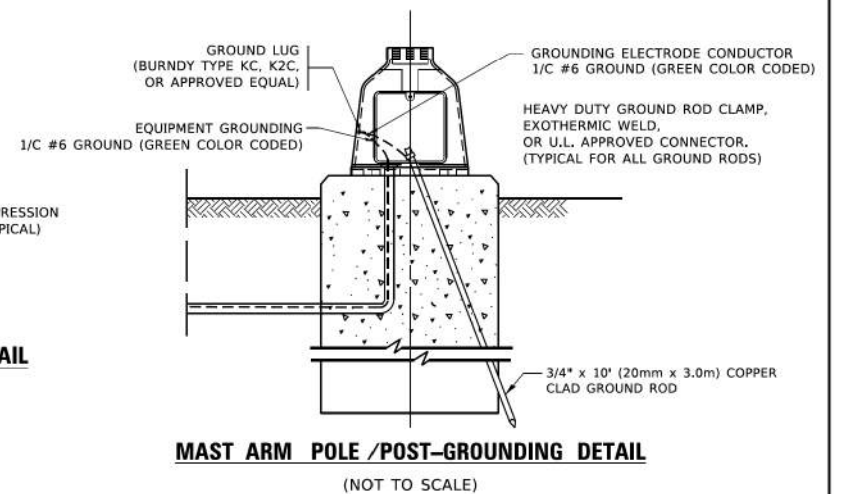
NOTES:
GROUNDING SYSTEM

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



NOTES:

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



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

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PLOT DATE = 10/13/2025	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ELK GROVE

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

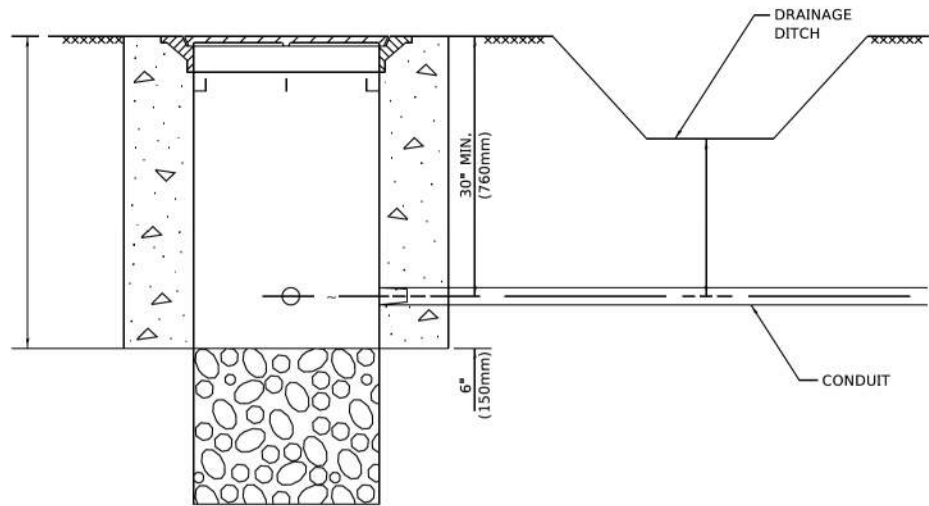
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DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
TS-05			CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT		

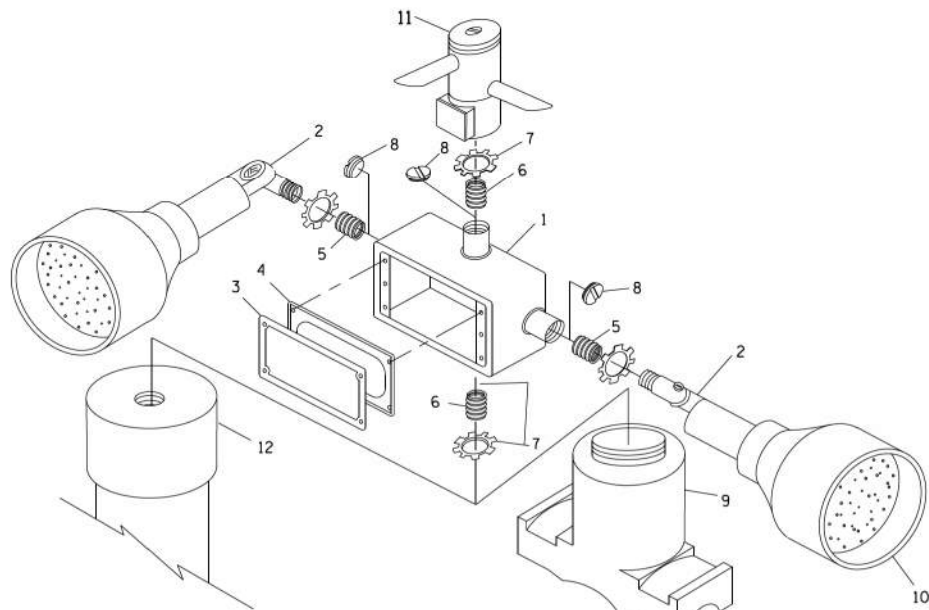
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	42
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH (NOT TO SCALE)

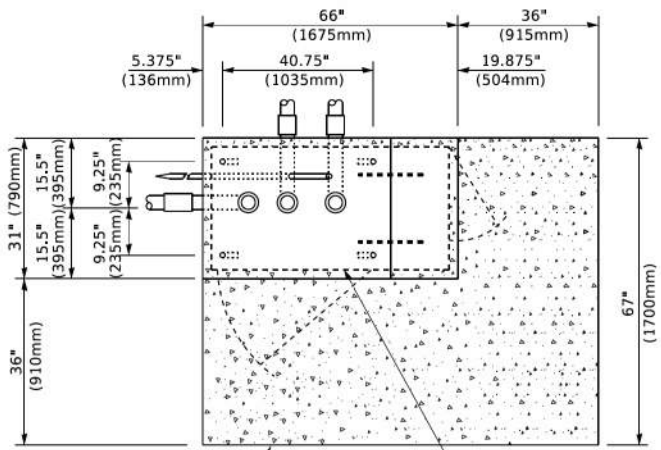


POST CAP MOUNT

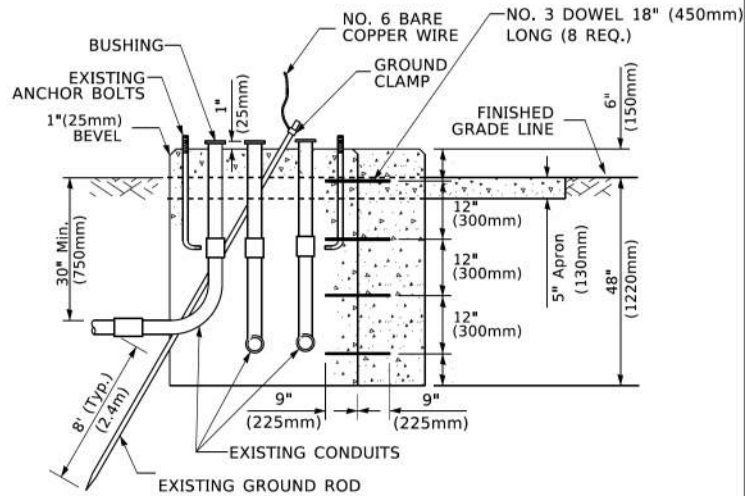
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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PLOT SCALE = 50.0000" / 1 in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -



TOP VIEW (NOT TO SCALE)



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

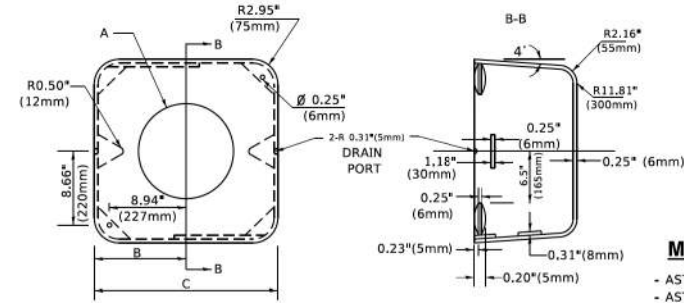
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

VILLAGE OF ELK GROVE



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

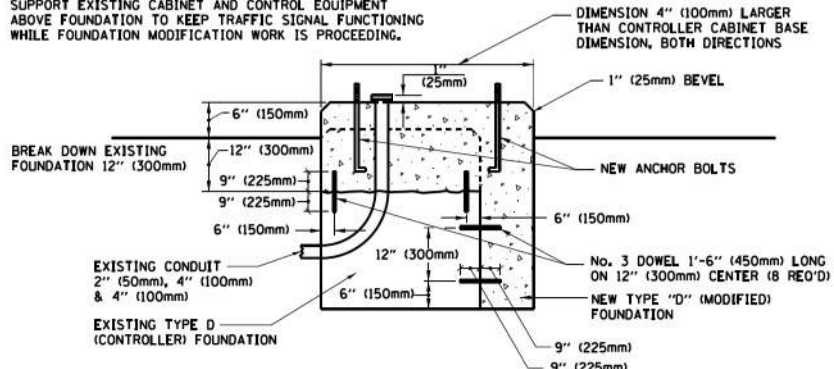
SHROUD

NOTES:

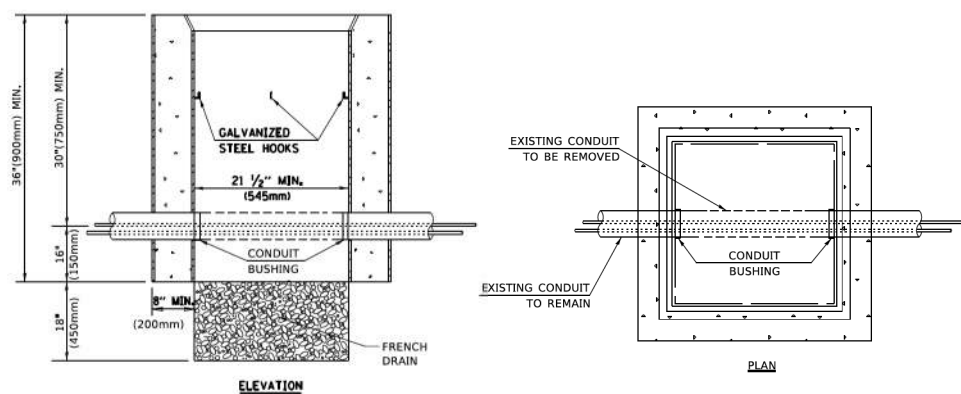
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

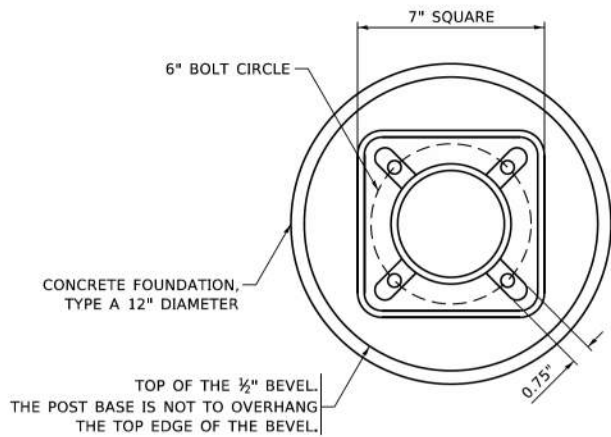
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 6	OF 7	SHEETS	STA.	TO STA.

DISTRICT ONE DETAILS STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE:	SHEET 7	OF 8	SHEETS	STA.	TO STA.
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	44
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

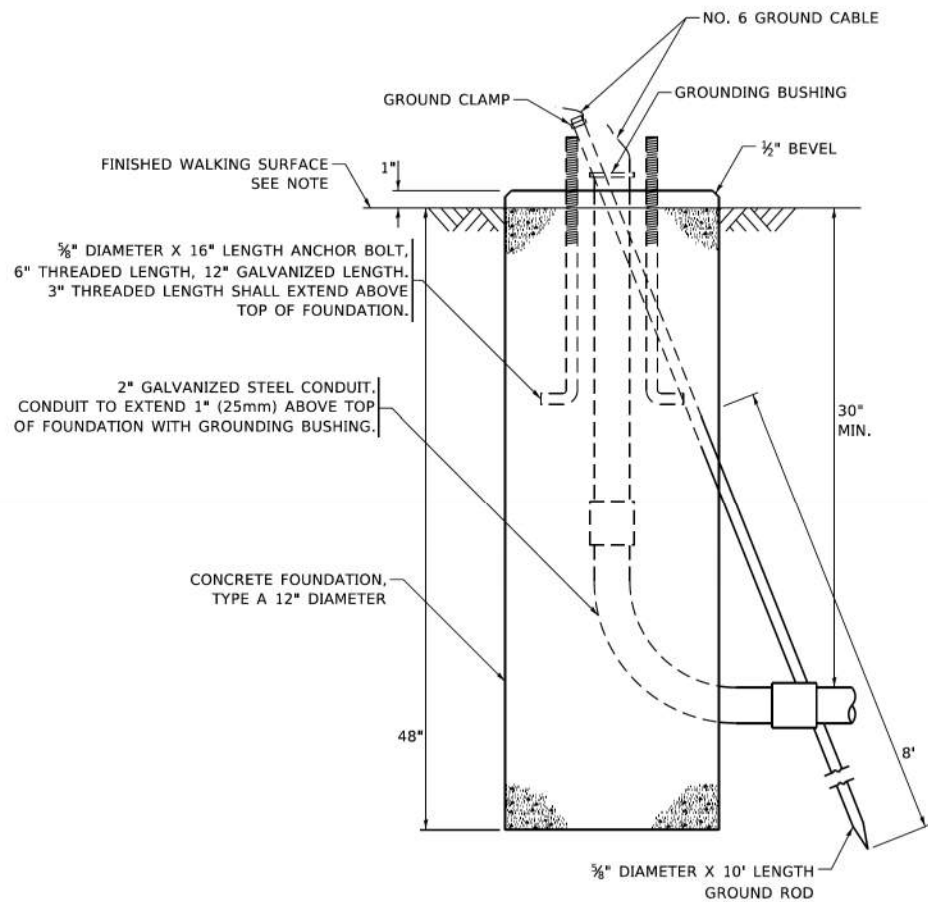
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PLOT DATE = 10/13/2025	DATE -	REVISED -



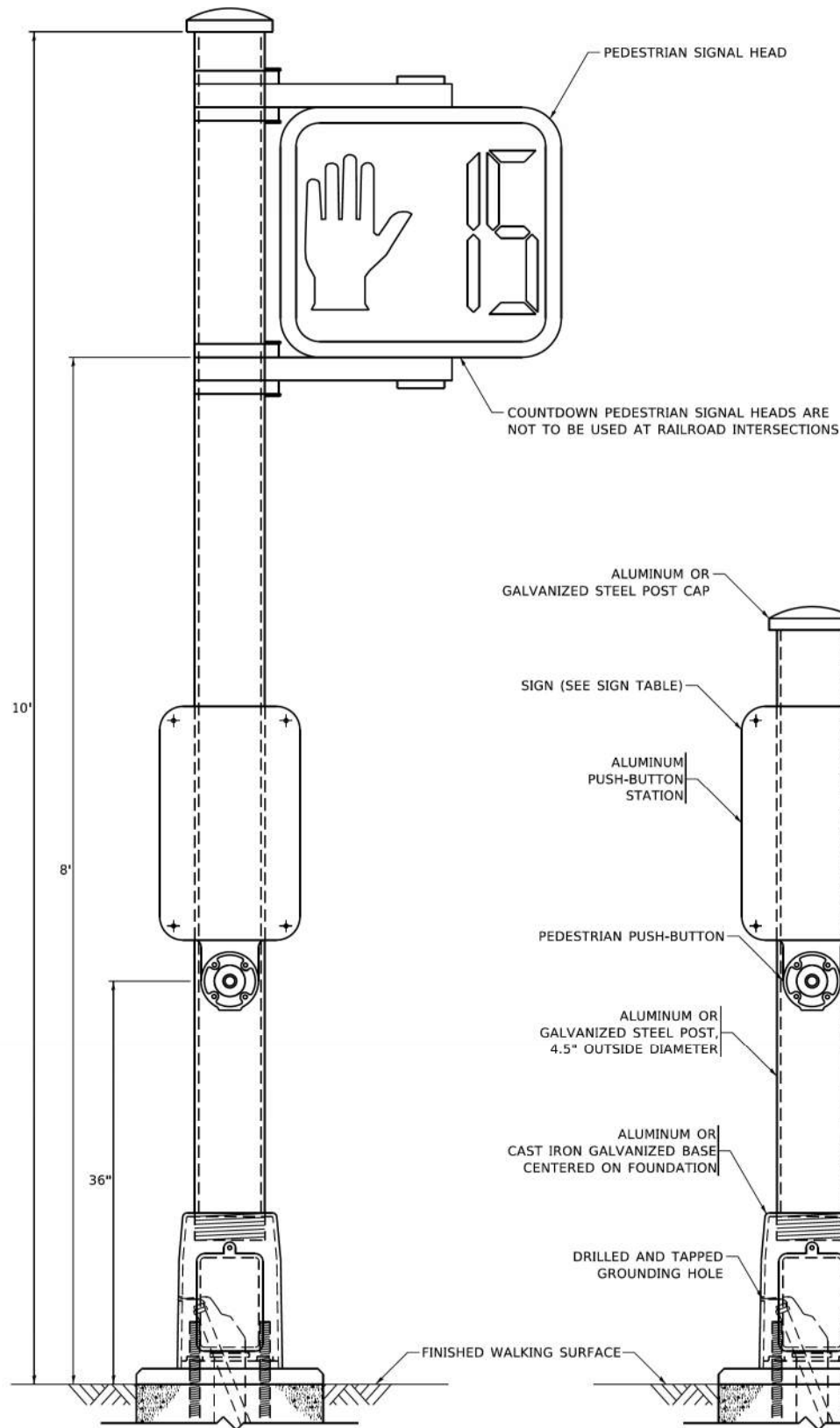
BOLT PATTERN

NOTE:

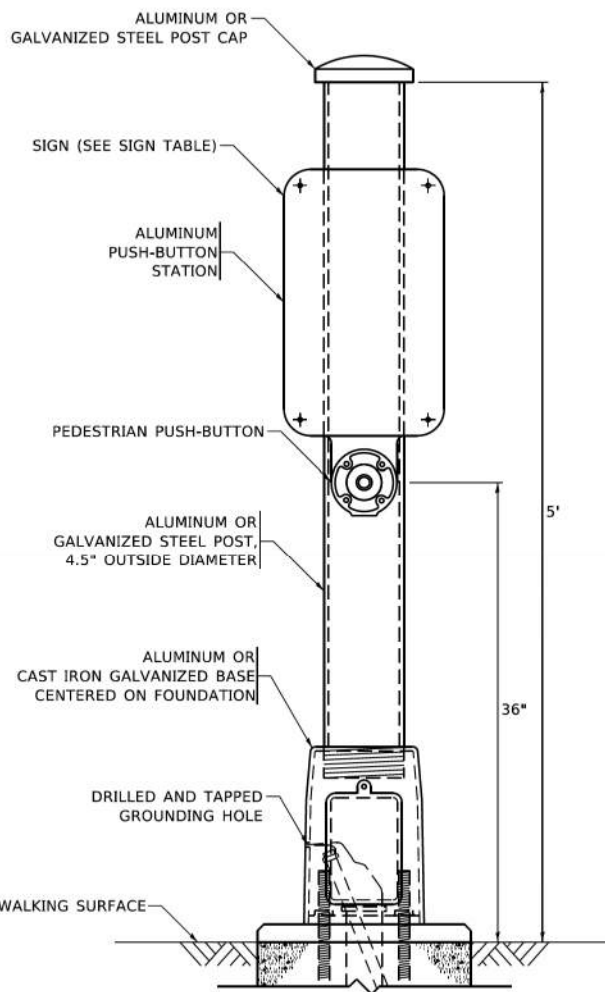
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b

R10-3d

R10-3e

SIGN TABLE

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

NOTES:

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

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PLOT DATE = 11/23/2020	CHECKED - LP	REVISED -
	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	45
TS-05		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



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PLOT DATE = 10/13/2025	CHECKED -	REVISED -
	DATE -	REVISED -

VILLAGE OF ELK GROVE

**DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	45
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN SYSTEM MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOH AT 312-603-1734.
4. ACCESSIBLE PEDESTRIAN SYSTEM EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF ACCESSIBLE PEDESTRIAN SYSTEM. THE EXTENSION SHALL BE INCLUDE THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
5. IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.

	STATION	OFFSET	ELEVATION
A	275+46.34	49.17' LT	706.09
B	275+47.68	48.15' LT	706.14
C	275+44.07	42.86' LT	706.05
D	275+45.53	42.25' LT	706.07
E	275+50.01	46.39' LT	706.19
F	275+51.10	38.04' LT	706.16
G	275+62.76	49.05' LT	706.31
H	275+61.21	48.73' LT	706.31
I	275+64.36	41.21' LT	706.28
J	275+62.81	40.89' LT	706.28
K	275+53.04	24.00' LT	706.11
L	275+53.04	25.58' LT	706.11
M	275+61.38	24.00' LT	706.14
N	275+61.14	25.58' LT	706.14
O	275+57.25	47.90' LT	706.29
P	275+58.89	40.07' LT	706.26
Q	504+92.20	31.32' RT	706.37
R	504+92.20	32.30' RT	706.37
S	505+57.34	61.06' RT	706.01
T	505+62.44	59.57' RT	706.07
U	505+68.17	31.11' RT	706.17
V	504+88.03	50.94' RT	706.17

FOLLOW CCDTH GUIDELINES
SIDEWALK, 8" / DETECTABLE WARNING SPECIAL
(SIDEWALK, 8" SHALL BE PAID AS PPC SIDEWALK, 5")

	STATION	OFFSET	ELEVATION
A	275+18.35	63.60' LT	705.86
B	275+14.90	59.69' LT	705.82
C	275+16.34	65.23' LT	705.86
D	275+13.03	61.47' LT	705.82
E	275+14.64	73.05' LT	706.30
F	275+11.66	69.03' LT	705.92
G	275+09.35	57.92' LT	706.16
H	275+19.64	69.68' LT	706.24
I	275+04.97	62.09' LT	706.22
J	275+08.34	65.29' LT	705.88
K	275+22.27	73.94' LT	706.29
L	275+17.02	76.90' LT	706.38
M	275+24.52	72.67' LT	705.95
N	274+99.85	60.99' LT	706.30
O	275+00.90	56.10' LT	706.23
P	275+04.11	50.60' LT	705.71

VILLAGE OF ELK GROVE

SIDEWALK RAMP DETAILS
TONNE ROAD / LANDMEIER ROAD

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	46
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

	STATION	OFFSET	ELEVATION
A	393+47.30	29.20' LT	705.91
B	393+46.10	28.17' LT	705.91
C	393+40.17	36.43' LT	705.86
D	393+39.56	34.66' LT	705.87
E	393+43.16	16.87' LT	705.87
F	393+43.33	18.44' LT	705.87
G	393+34.81	17.74' LT	705.79
H	393+35.33	19.49' LT	705.78
I	393+49.59	26.42' LT	705.93
J	393+48.66	18.07' LT	705.92
K	393+35.25	40.42' LT	705.84
L	393+27.73	18.48' LT	705.71

	STATION	OFFSET	ELEVATION
A	393+21.43	58.31' RT	705.40
B	393+18.90	58.85' RT	705.40
C	393+15.55	42.81' RT	705.32
D	393+14.53	46.38' RT	705.33
E	393+09.17	49.07' RT	705.39
F	393+11.47	60.44' RT	705.48
G	393+06.69	44.72' RT	705.63
H	393+11.45	41.58' RT	705.54
I	393+11.28	61.53' RT	705.48
J	393+16.16	62.41' RT	705.43
K	393+19.50	62.12' RT	705.39
L	393+22.64	70.67' RT	705.46
M	393+06.69	31.09' RT	705.25

1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN SYSTEM MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1734.
4. ACCESSIBLE PEDESTRIAN SYSTEM EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF ACCESSIBLE PEDESTRIAN SYSTEM. THE EXTENSION SHALL BE INCLUDE THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
5. IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.

FOLLOW CCDTH GUIDELINES
SIDEWALK, 8" / DETECTABLE WARNING SPECIAL
(SIDEWALK, 8" SHALL BE PAID AS PPC SIDEWALK, 5")



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PLOT DATE = 10/13/2025

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VILLAGE OF ELK GROVE

SIDEWALK RAMP DETAILS
TONNE ROAD / LANDMEIER ROAD

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

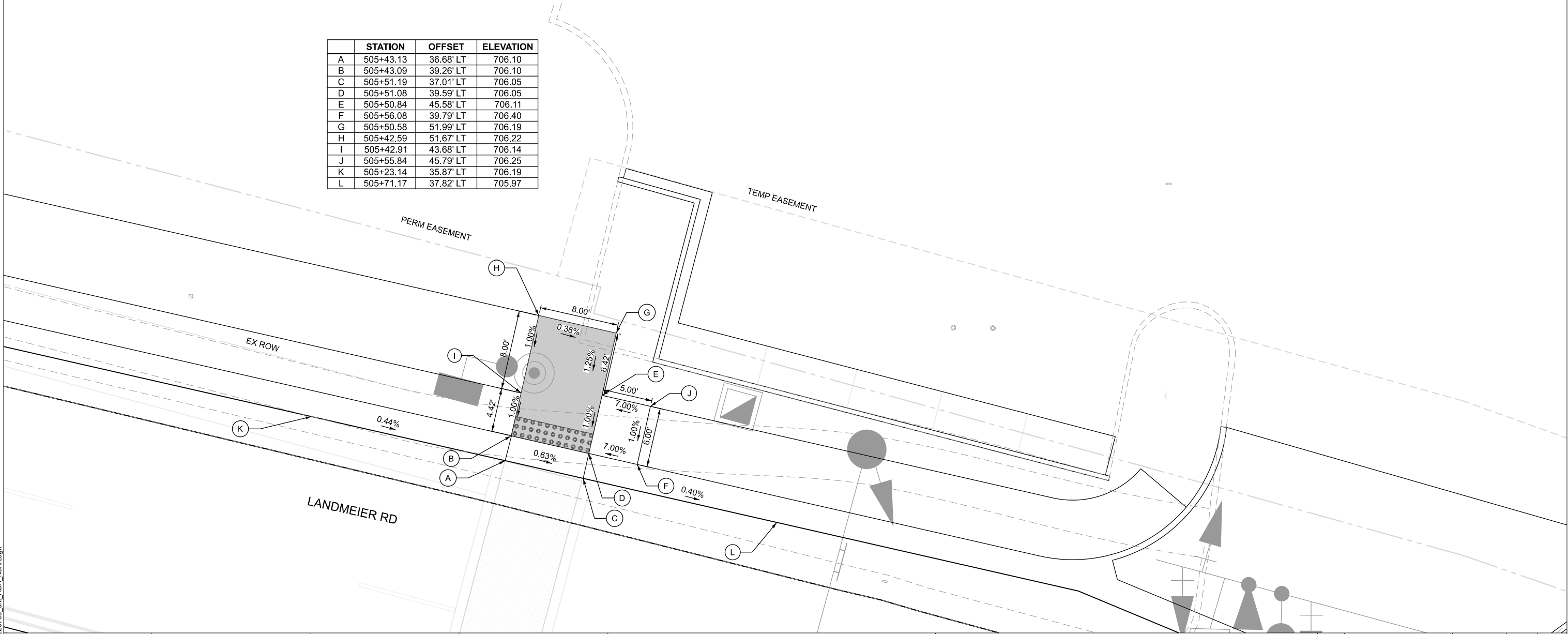
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1333		COOK	72	47
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



FOLLOW CCDTH GUIDELINES
SIDEWALK, 8" / DETECTABLE WARNING SPECIAL
(SIDEWALK, 8" SHALL BE PAID AS PPC SIDEWALK, 5")

1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN SYSTEM MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1734.
4. ACCESSIBLE PEDESTRIAN SYSTEM EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF ACCESSIBLE PEDESTRIAN SYSTEM. THE EXTENSION SHALL BE INCLUDE THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
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6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED

	STATION	OFFSET	ELEVATION
A	505+43.13	36.68' LT	706.10
B	505+43.09	39.26' LT	706.10
C	505+51.19	37.01' LT	706.05
D	505+51.08	39.59' LT	706.05
E	505+50.84	45.58' LT	706.11
F	505+56.08	39.79' LT	706.40
G	505+50.58	51.99' LT	706.19
H	505+42.59	51.67' LT	706.22
I	505+42.91	43.68' LT	706.14
J	505+55.84	45.79' LT	706.25
K	505+23.14	35.87' LT	706.19
L	505+71.17	37.82' LT	705.97



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DATE	-

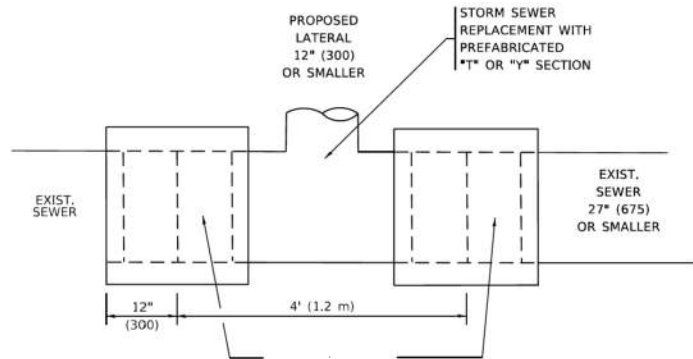
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VILLAGE OF ELK GROVE

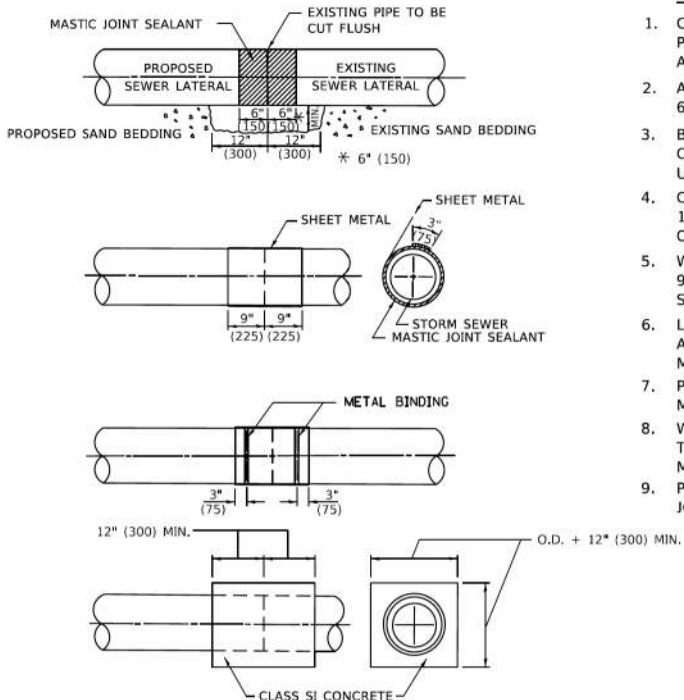
SIDEWALK RAMP DETAILS
TONNE ROAD / LANDMEIER ROAD

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

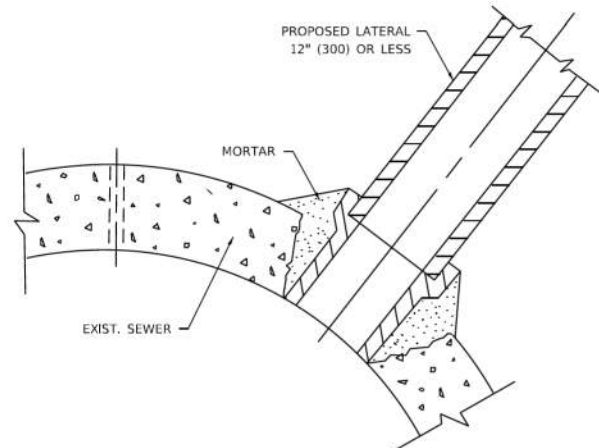
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	48
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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



DETAIL "B"
CLASS SI CONCRETE COLLAR



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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

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

GENERAL

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

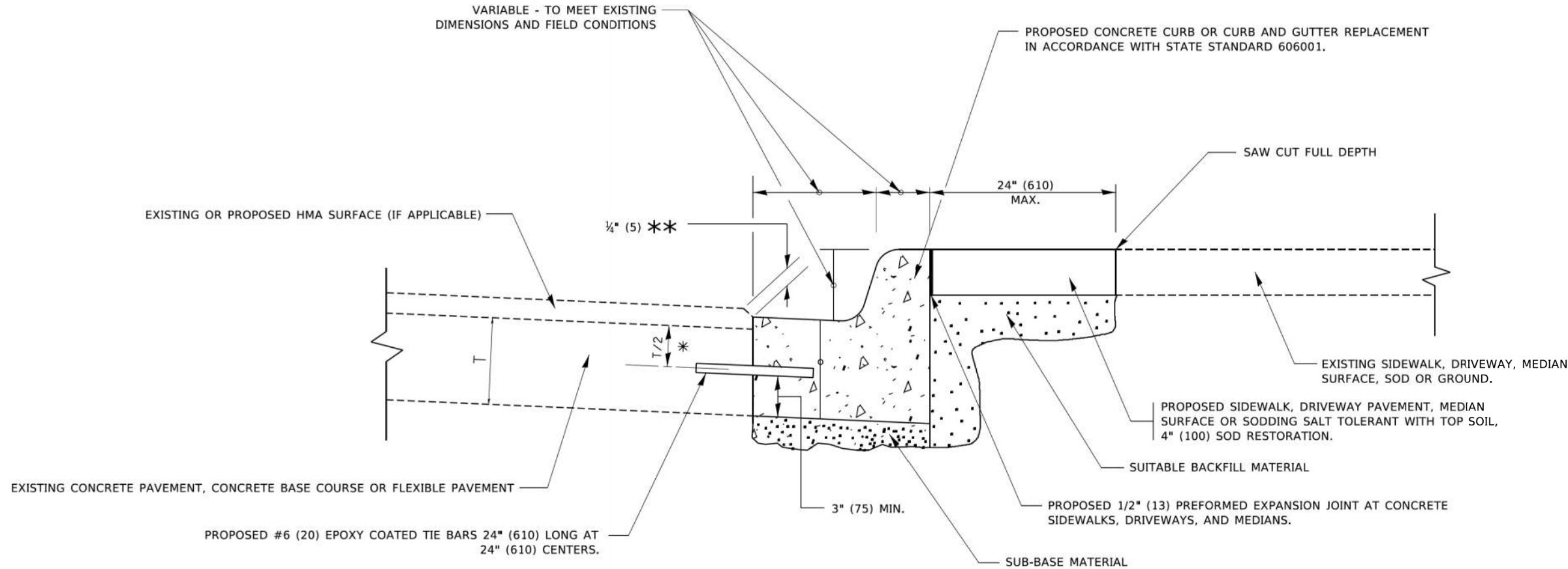
BASIS OF PAYMENT

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

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

				USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
				DRAWN -	CHECKED -	REVISED - R. SHAH 10-25-94					SCALE: NONE				SHEET 1 OF 1 SHEETS	STA.	TO STA.						
				PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. SHAH 06-12-96																	
				PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22																	
																BD500-01 (BD-07)				CONTRACT NO.			
																ILLINOIS				FED. AID PROJECT			

				USER NAME = mzuza	DESIGNED -	REVISED -	VILLAGE OF ELK GROVE				DISTRICT ONE DETAILS LANDMEIER ROAD				FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
				DRAWN -	CHECKED -	REVISED -					SCALE:				SHEET 1 OF 8 SHEETS	STA.	TO STA.						
				PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -																	
				PLOT DATE = 10/13/2025	DATE -	REVISED -																	
																ILLINOIS				FED. AID PROJECT			



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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		PLOT DATE = 7/11/2019				REVISED - K. SMITH 07-11-19			TO STA.				ILLINOIS FED. AID PROJECT				

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		DRAWN -				CHECKED -	REVISED -		SCALE:				1333		COOK	72	50
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		PLOT DATE = 10/13/2025				REVISED -			TO STA.				ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH).
F	1	20 AMP, 120 VOLT FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 Hz.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 AMP, 120 VOLT, DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1#4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1#4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.



1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (1828.8 mm) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUEW = WHITE
B = BLACK Y = YELLOW G = GREEN
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

FILE NAME: D:\PROJECTS\ILLINOIS\STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION\DRAWINGS\CONTRACT NO. 8E-215\8E-215-01.DWG	USER NAME = footejmj	DESIGNED -	REVISED - 08-20-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER SINGLE DOOR				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -										
	PLOT DATE = 4/19/2019	DATE -	REVISED -										
					8E-215								
					CONTRACT NO.								
				SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				
								ILLINOIS FED. AID PROJECT					

USER NAME = muzzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633''/in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

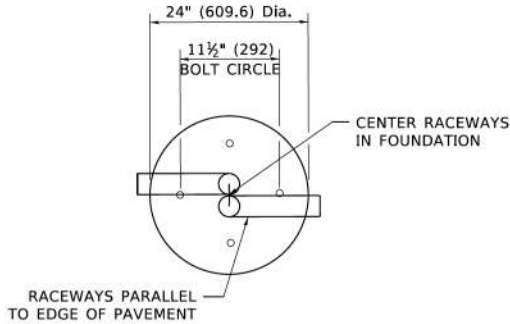
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VILLAGE OF ELK GROVE

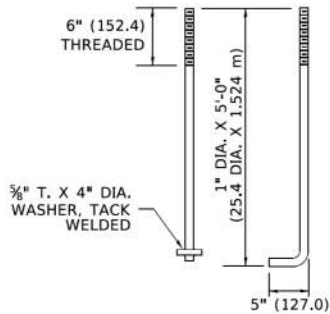
DISTRICT ONE DETAILS LANDMEIER ROAD										FAU RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
										1333			COOK	72	51
										CONTRACT NO.					
SCALE:		SHEET 1 OF 8 SHEETS		STA.		TO STA.		ILLINOIS FED. AID PROJECT							

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

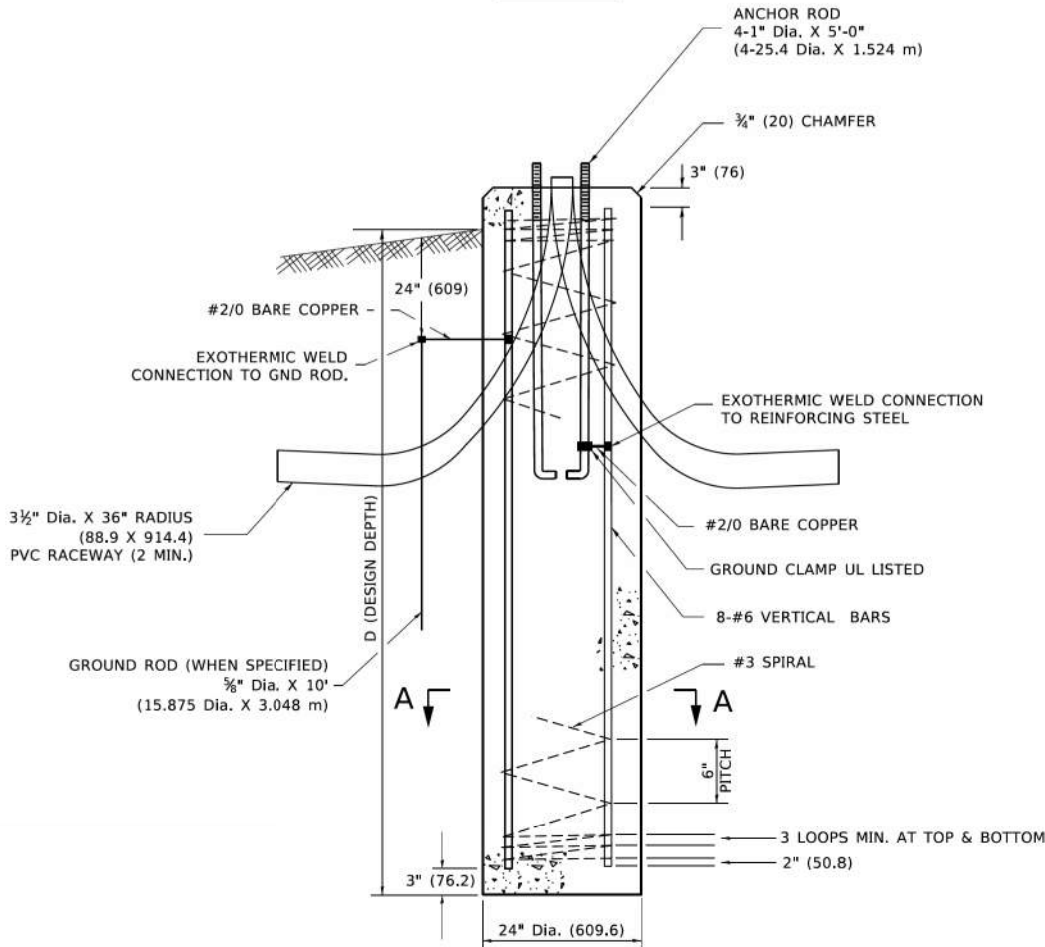
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90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



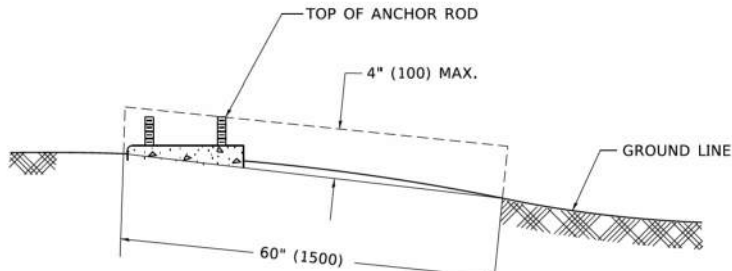
TOP VIEW



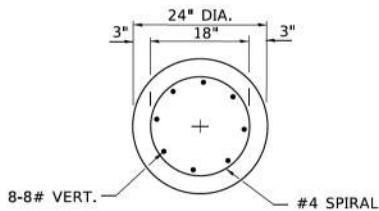
ANCHOR BOLT DETAIL



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 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.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 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.
- 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.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-300		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

USER NAME	= muzzdo	DESIGNED	-	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	DRAWN	-	REVISED	-
PLOT DATE	= 10/13/2025	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS
LANDMEIER ROAD

SCALE:	SHEET 1	OF 8	SHEETS	STA. TO STA.
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	52
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s ₁	3	3	7'-6" (2.286 m)	□
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

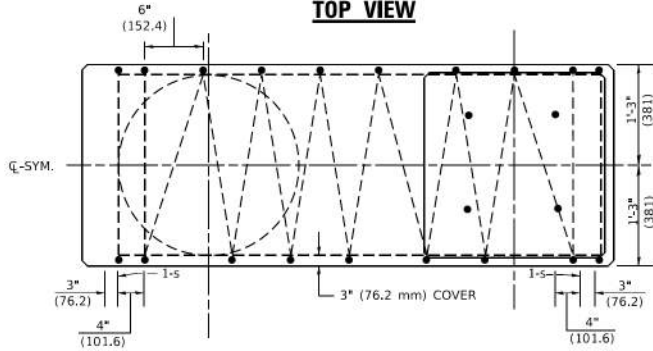
OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from Q-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 m) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

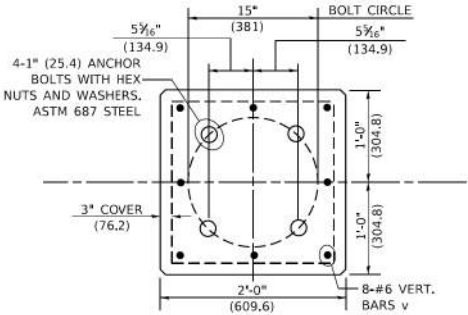
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE, COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD, A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.

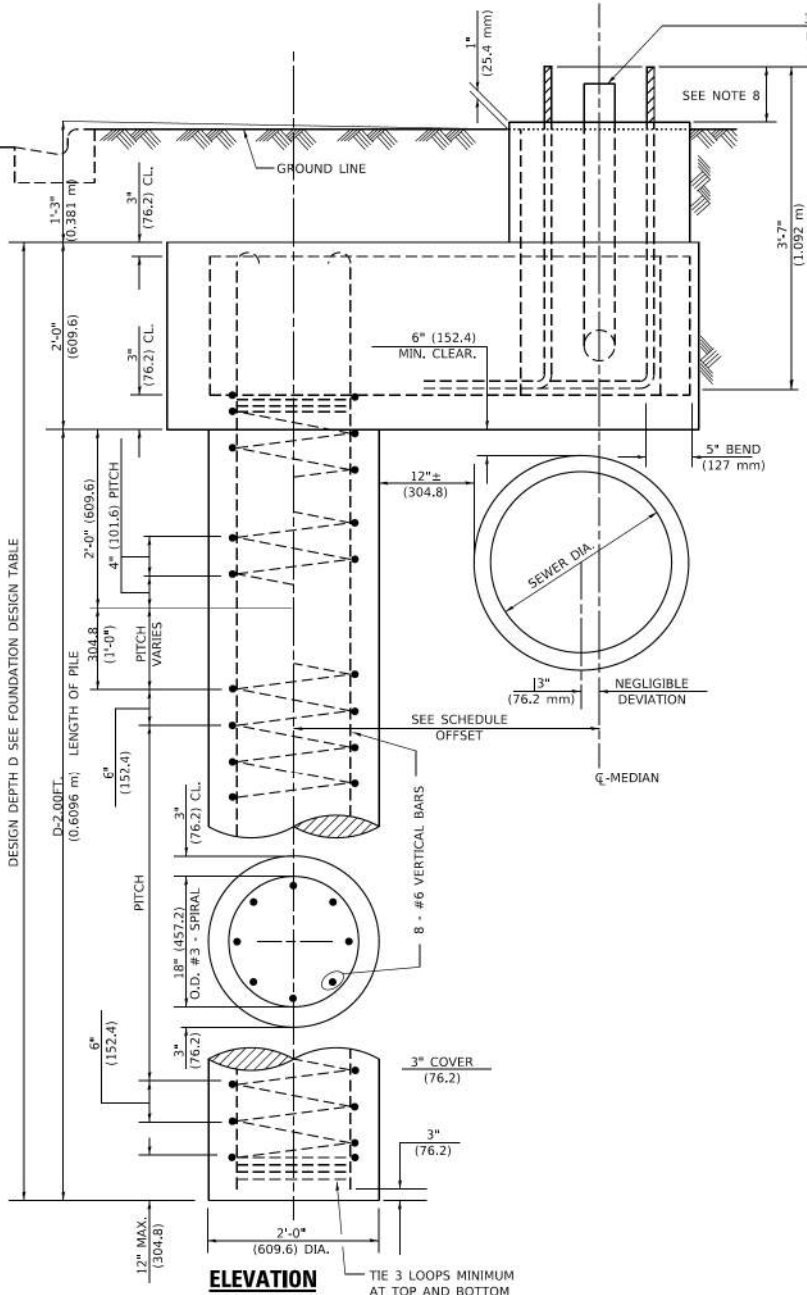
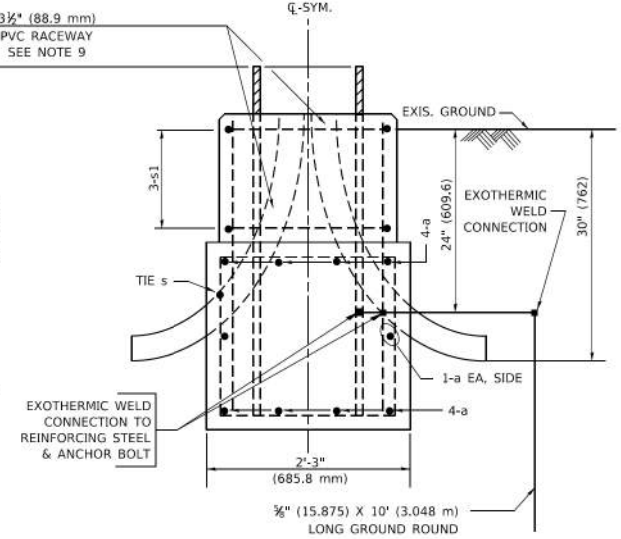
PLAN-CAP BEAM
TOP VIEW



TOP VIEW

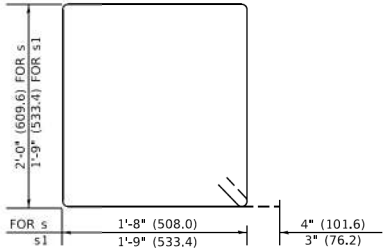


END VIEW



ELEVATION

BARS s, s1



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET
40' (12.192m) TO 47 1/2' (14.478m) M.H., 15" (381mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE310		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS
LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	53
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

USER NAME = muzzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

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	USER NAME	= Lawrence.DeManche	DESIGNED	- L.H.A.	REVISED	- T. RAMMACHER 01-06-00
			DRAWN	-	REVISED	- A. SCHUETZE 07-01-13
	PLOT SCALE	= 100.0000 ' / in.	CHECKED	-	REVISED	- A. SCHUETZE 09-15-16
	PLOT DATE	= 5/3/2024	DATE	- 06-89	REVISED	- D. SENDERAK 05-03-24

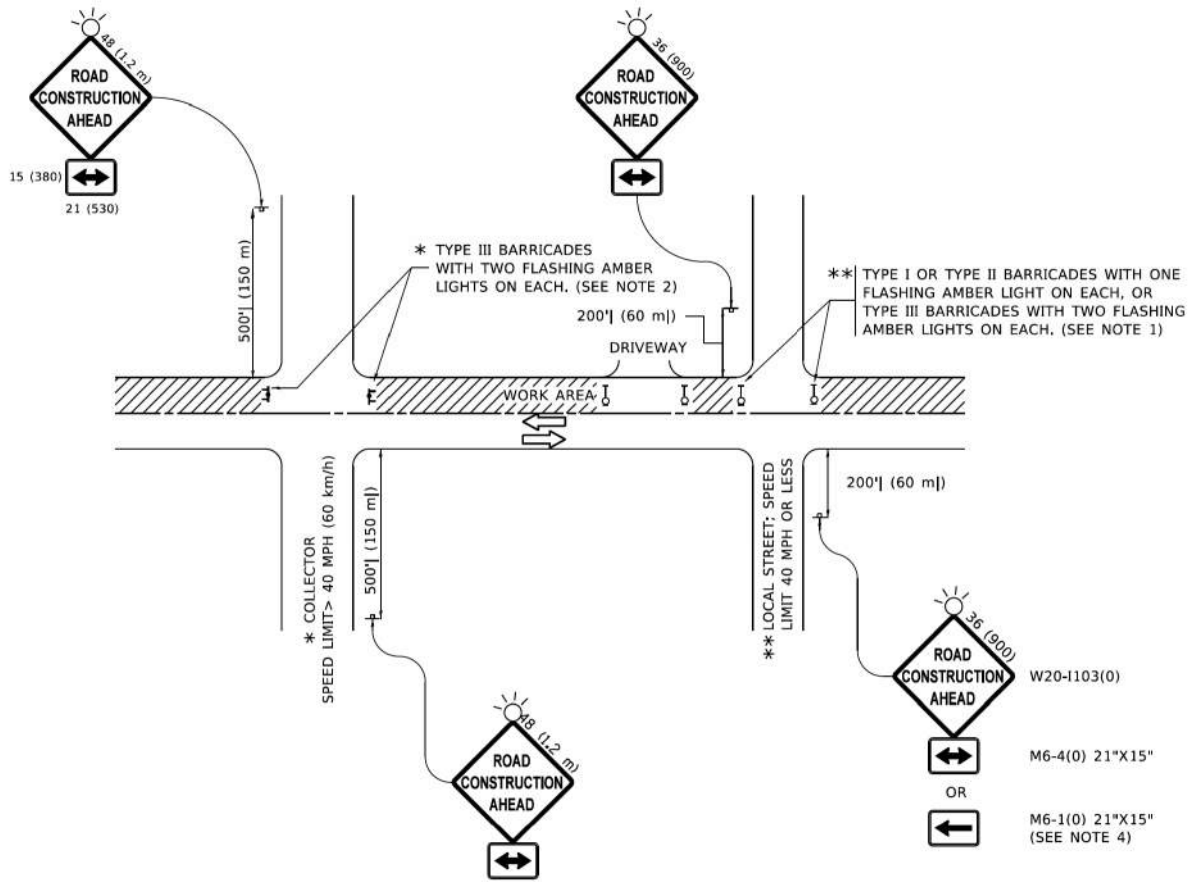
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	54
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTES:

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



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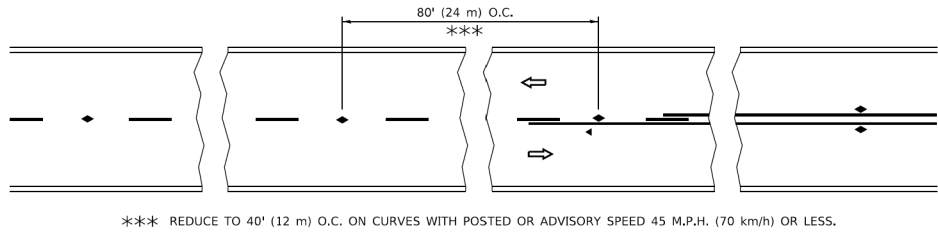
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PLOT SCALE	= 0.16666633 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

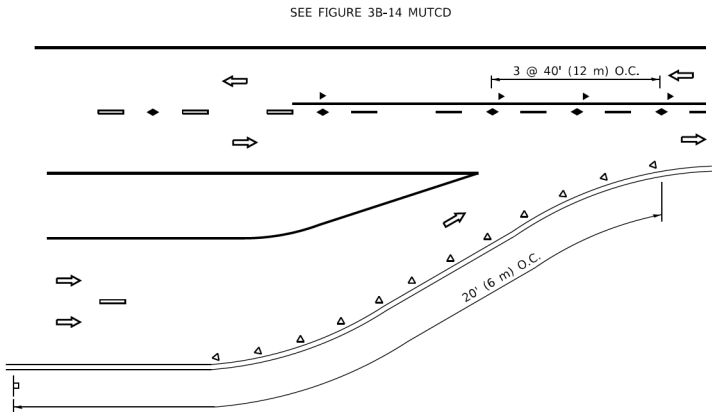
DISTRICT ONE DETAILS
LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

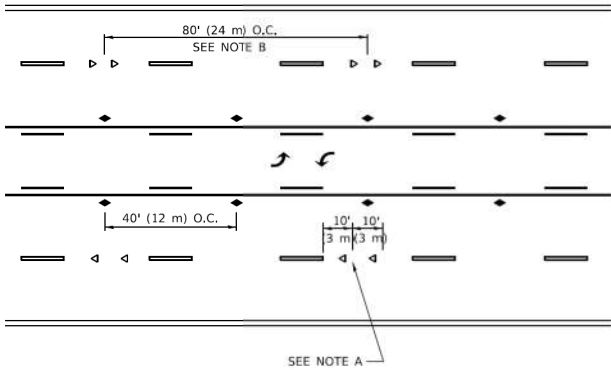
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	54
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



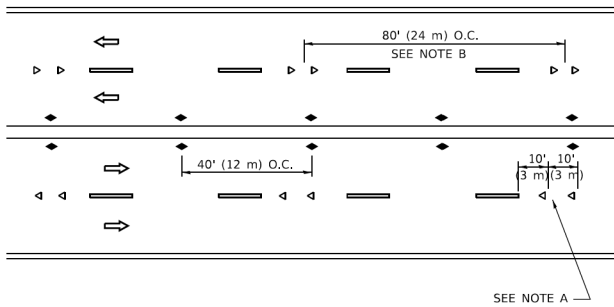
TWO-LANE/TWO-WAY



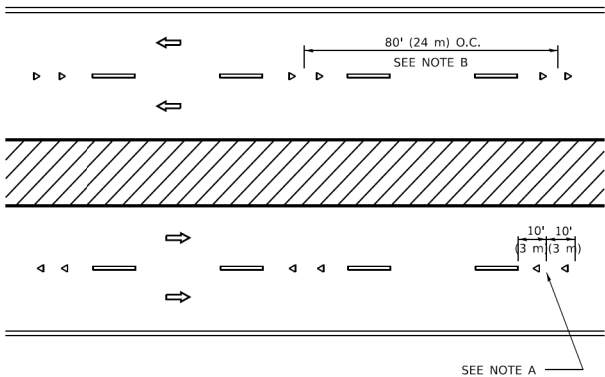
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

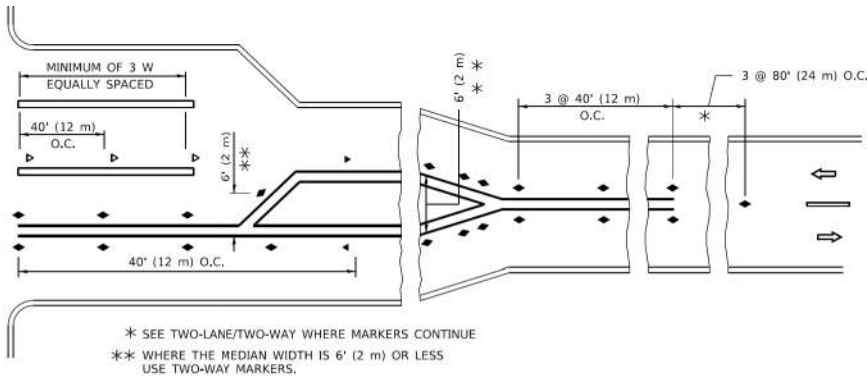
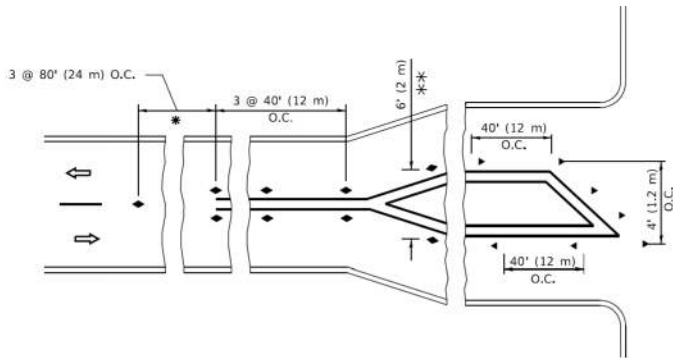
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

	USER NAME = mzuzdo		DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		DRAWN -	REVISED - T. RAMMACHER 01-06-00										
PLOT SCALE	= 50.0000 ' / in.		CHECKED -	REVISED - C. JUCIUS 09-09-09						TC-11				
PLOT DATE	= 3/4/2019		DATE -	REVISED - C. JUCIUS 07-01-13						CONTRACT NO.				



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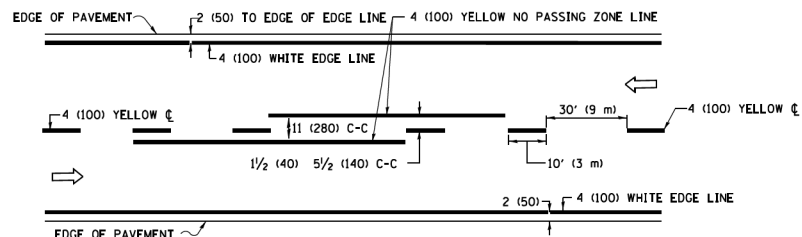
USER NAME	= mzuzdo	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

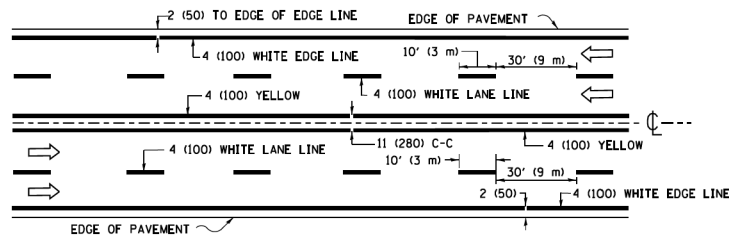
DISTRICT ONE DETAILS
LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

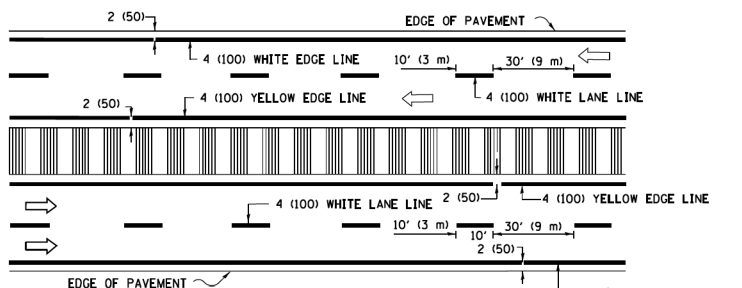
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	55
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

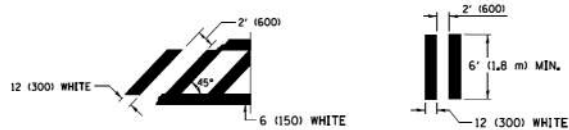
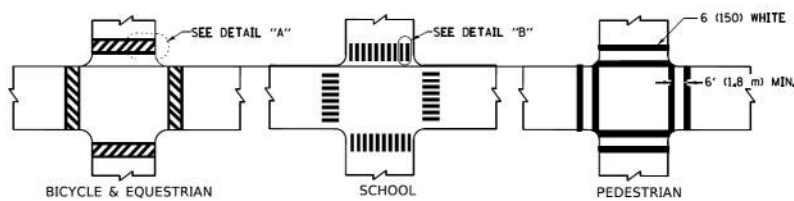


MULTI-LANE UNDIVIDED



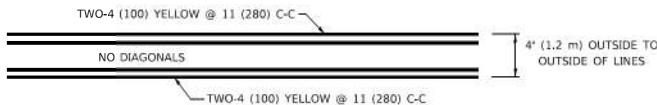
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

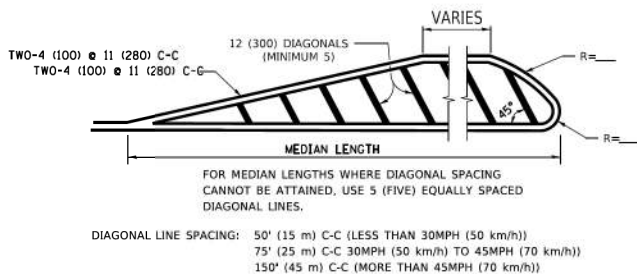


DETAIL "A" DETAIL "B" TYPICAL CROSSWALK MARKING

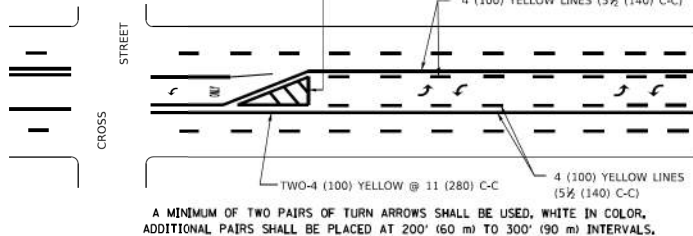
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



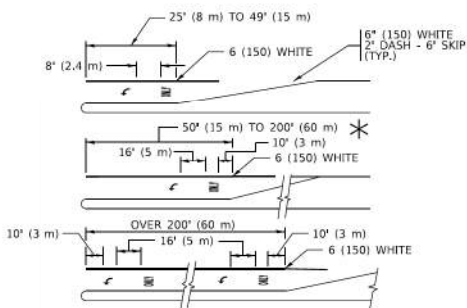
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

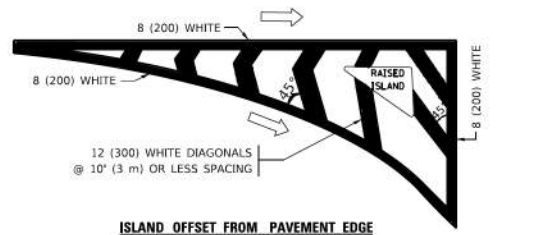


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

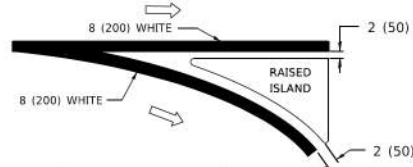


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²) TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

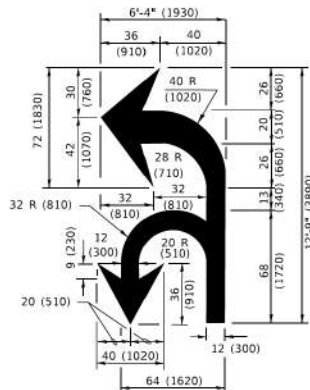
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



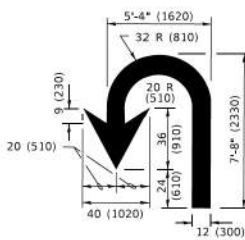
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: *RR* IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m²) EACH *X*=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

USER NAME = footem	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-13		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

DISTRICT ONE DETAILS LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	56
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

VILLAGE OF ELK GROVE

USER NAME = muzzdo	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 10/13/2025	CHECKED -	REVISED -
	DATE -	REVISED -

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

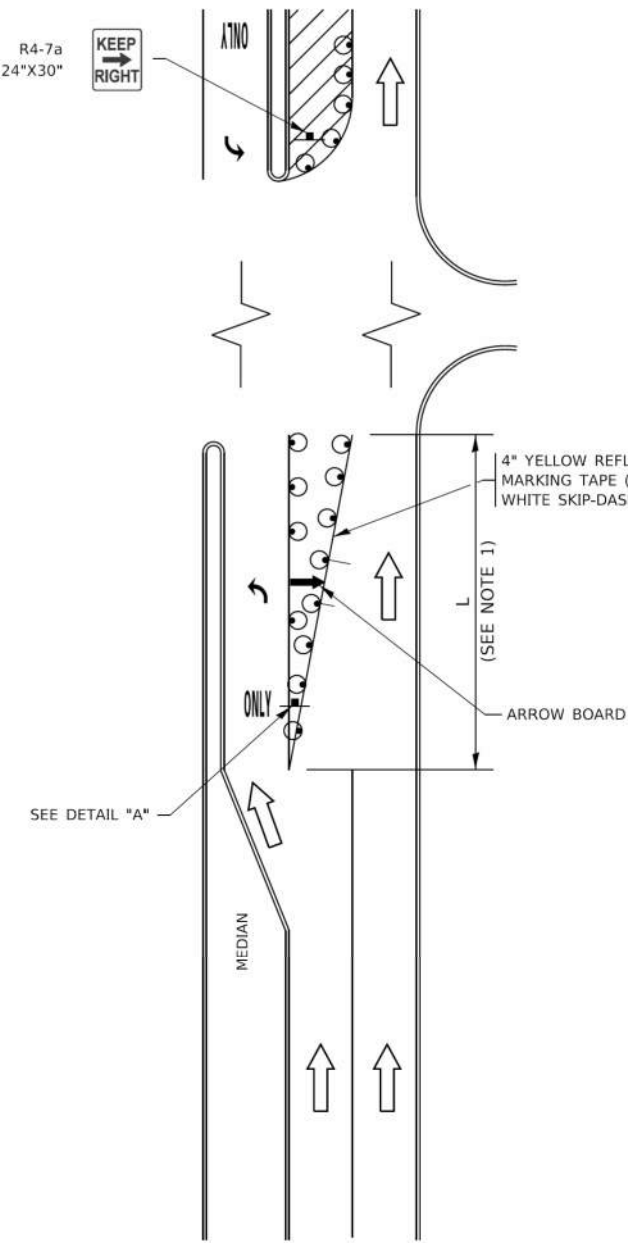
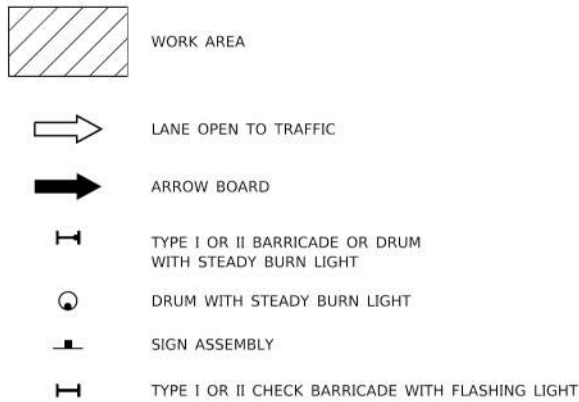


FIGURE 1

LEGEND



NOTES:

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

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

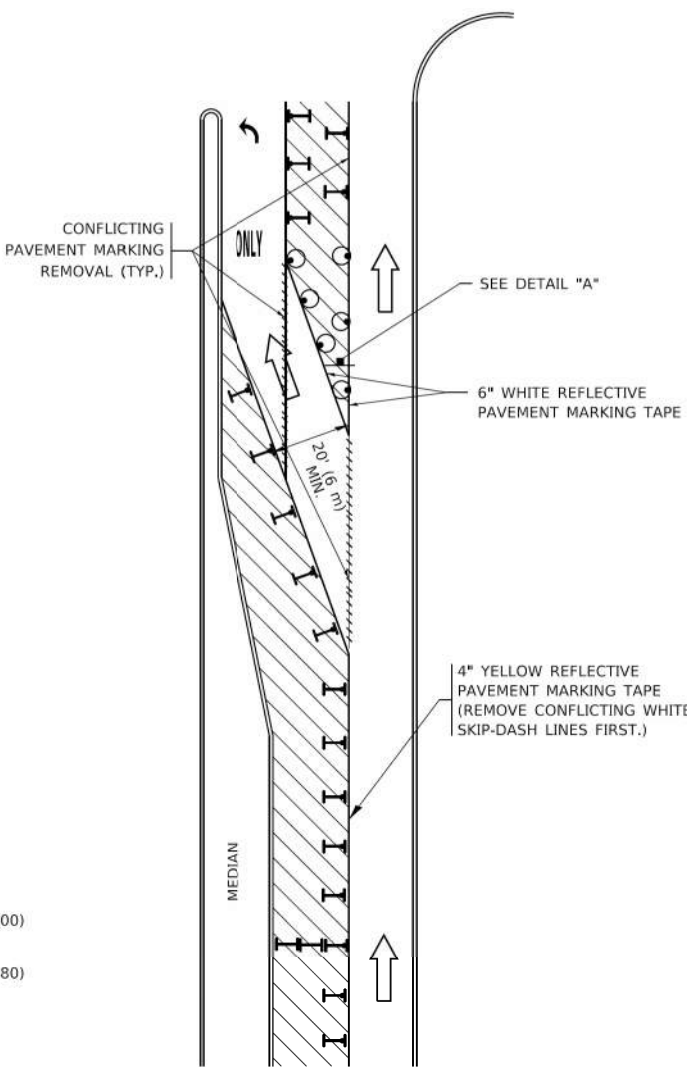
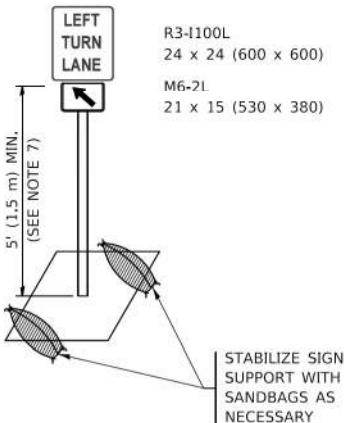


FIGURE 2



DETAIL A

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

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PLOT DATE = 3/4/2019	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	57
CONTRACT NO.				

HRGreen.com
Illinois Professional Design Firm
184-001322

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PLOT DATE = 10/13/2025	CHECKED -	REVISED -
	DATE -	REVISED -

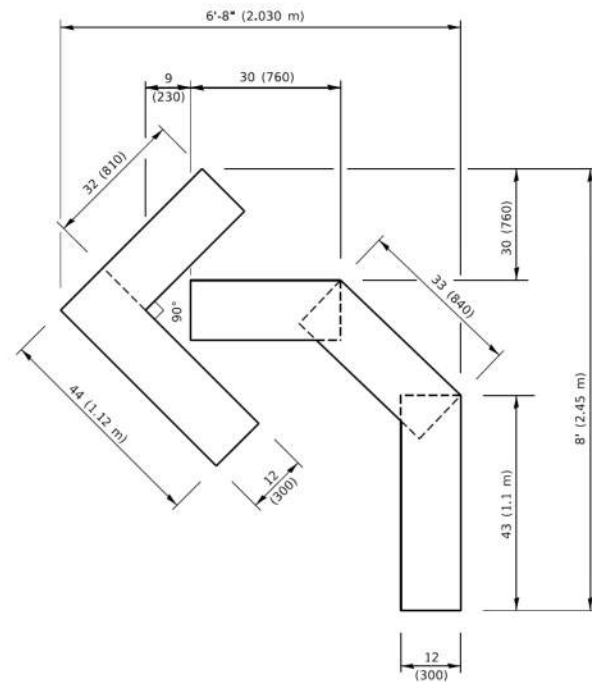
VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS
LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	57
CONTRACT NO.				

ILLINOIS FED. AID PROJECT



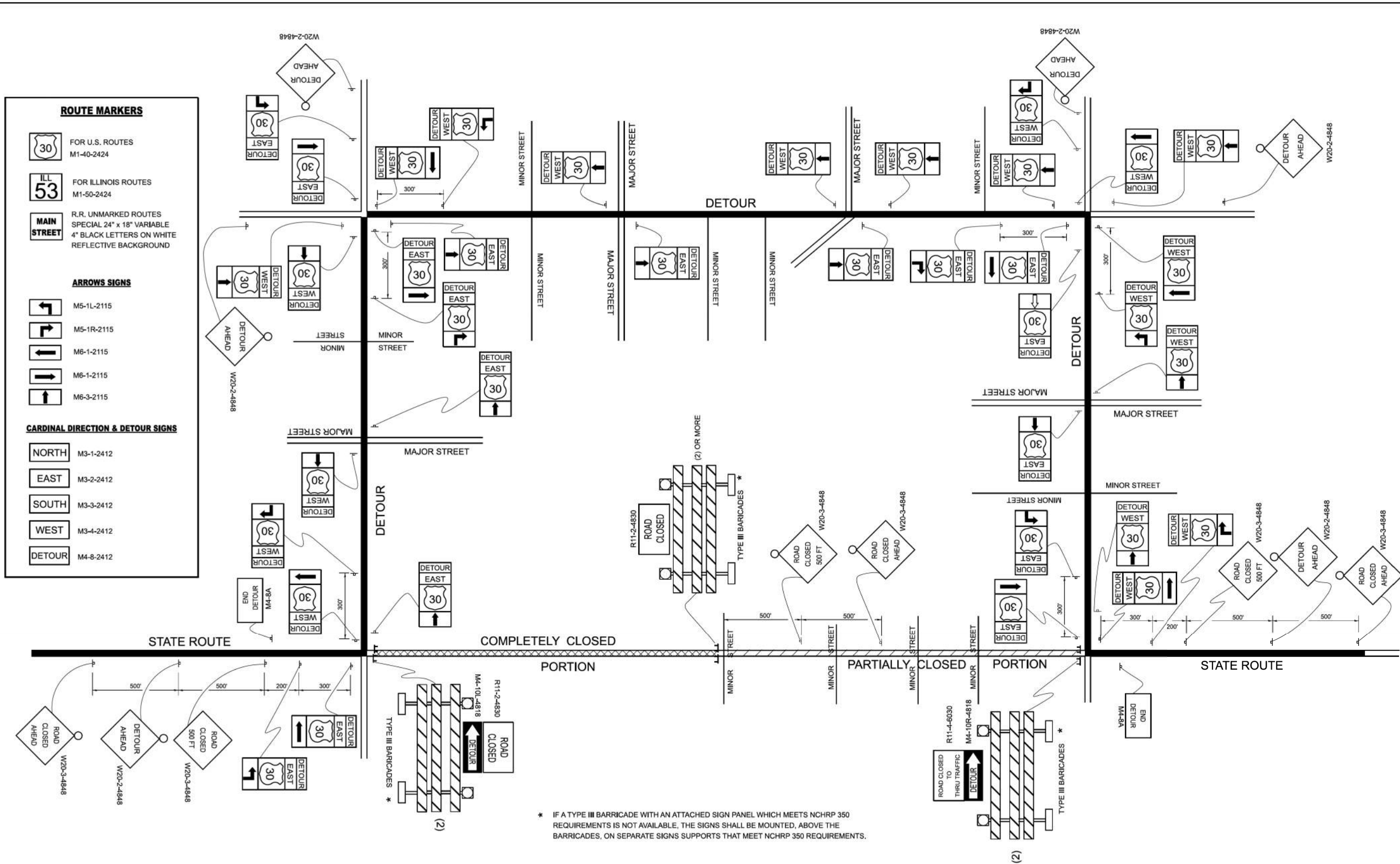
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PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS
LANDMEIER ROAD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	59
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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* 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.

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PLOT DATE = 8/30/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				000
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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	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.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-22		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



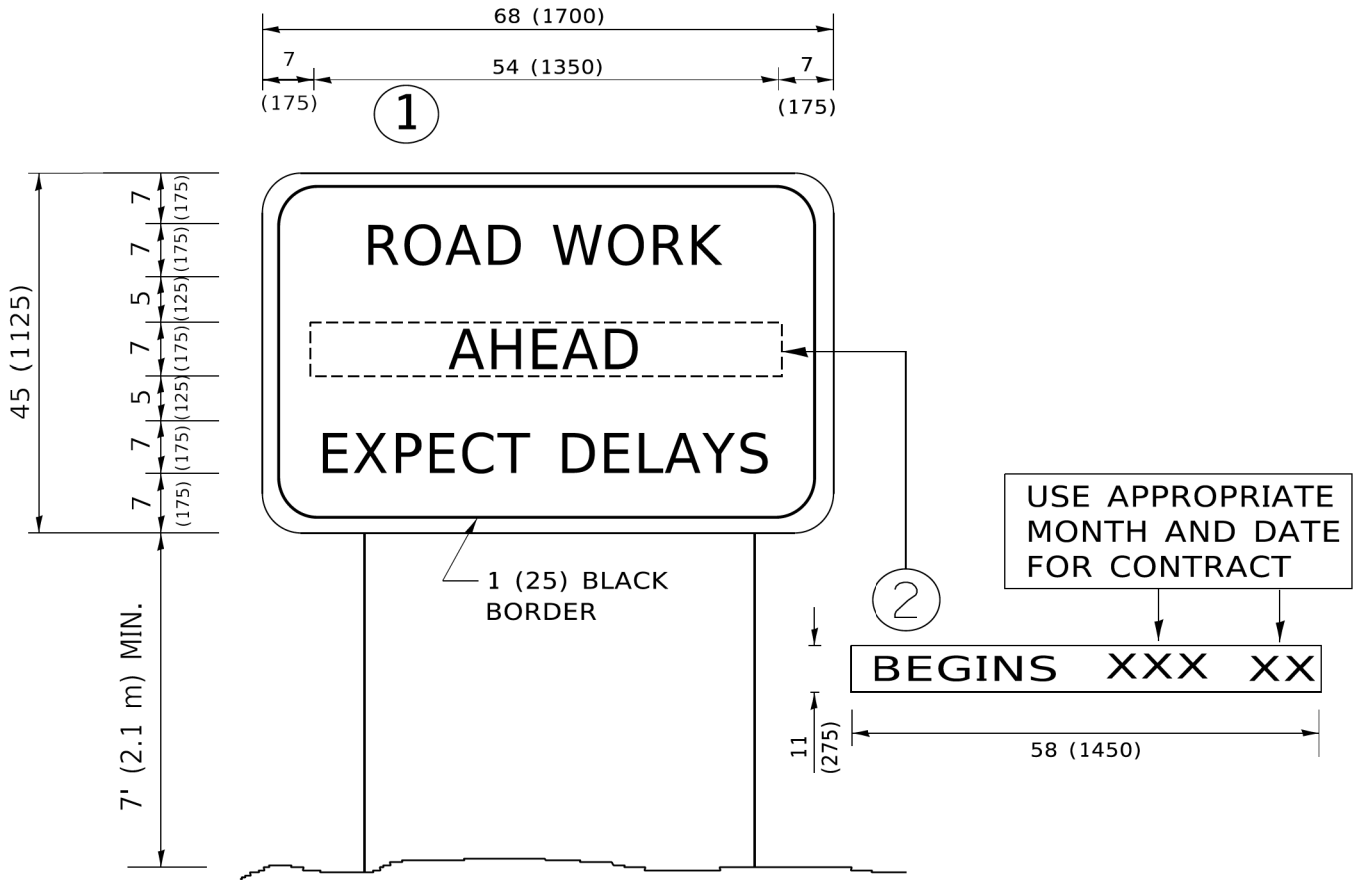
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Illinois Professional Design Firm
184-001322

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PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

DISTRICT ONE DETAILS LANDMEIER ROAD			
SCALE:	SHEET 1	OF 8 SHEETS	STA. TO STA.

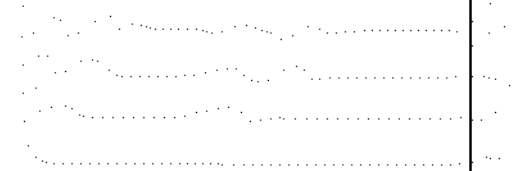
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1333		COOK	72	60
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTES:

- USE BLACK LETTERING ON ORANGE BACKGROUND.
- ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
- SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
- SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

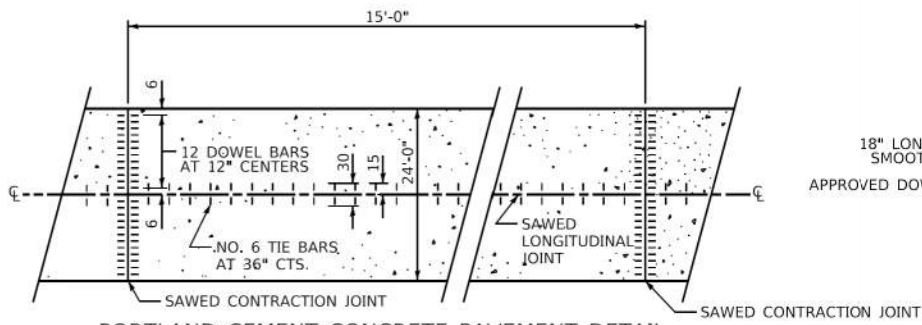
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.



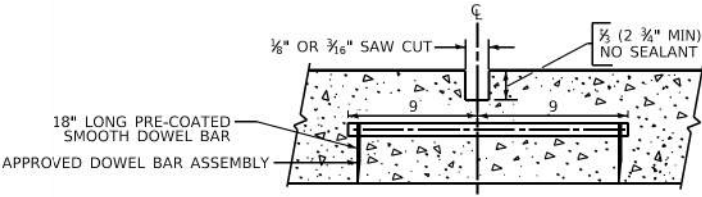
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1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND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

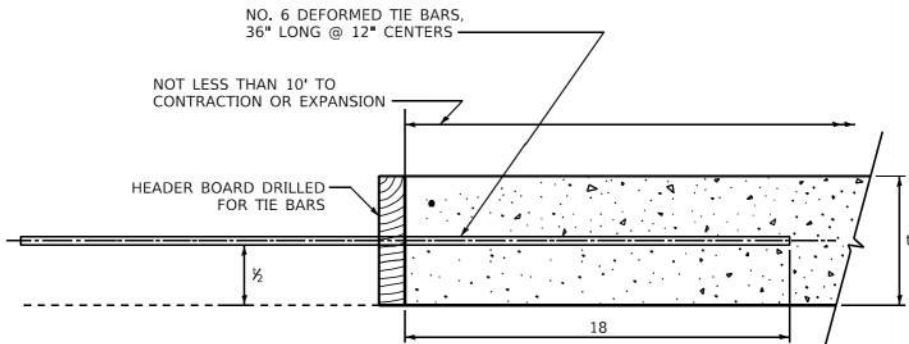
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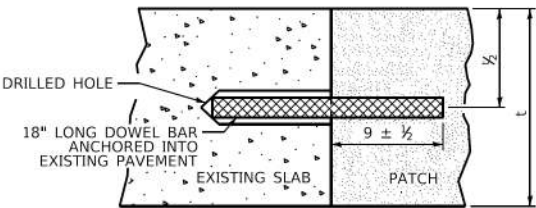
PORTLAND CEMENT CONCRETE PAVEMENT DETAIL
SEE IDOT STANDARDS 420001 AND 420701 FOR ADDITIONAL DETAIL



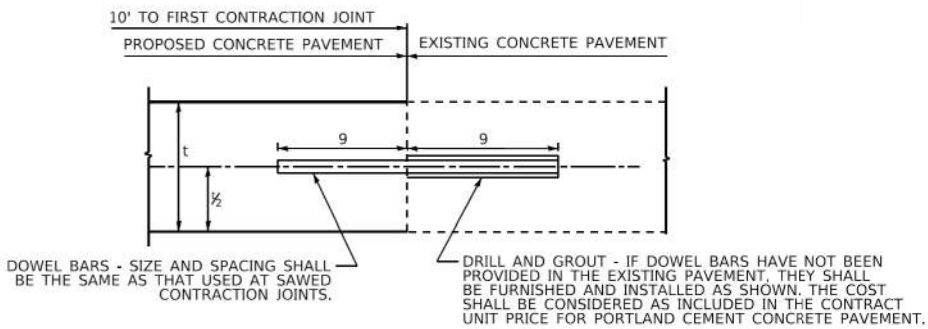
CONTRACTION JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT DETAIL



TRANSVERSE JOINT DETAIL



JOINT DETAIL AT CONTRACT TERMINAL(S)

GENERAL NOTES:

THE INTENT OF THIS STANDARD IS TO REFLECT ADDITIONS OR VARIATIONS TO IDOT STANDARDS CONTAINED IN THE PLANS.

THIS STANDARD SHALL GOVERN OVER THE IDOT STANDARDS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

DETAIL NOTES

SEE IDOT STANDARDS FOR DETAILS NOT SHOWN.

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE SHOWN.

ALL TIE BAR SIZES ARE STANDARD.

t = PAVEMENT THICKNESS

NOTES (SUPPLEMENTAL TO IDOT STANDARDS)

STANDARDS 606101, 606201 AND 606006 - TYPE A GUTTER, TYPE B GUTTER AND OUTLET FOR CURB AND GUTTER

CONCRETE INLETS, ENTRANCES AND OUTLETS FOR GUTTER OR COMBINATION CURB AND GUTTER SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR THE PARTICULAR TYPE OF GUTTER OR COMBINATION CURB AND GUTTER SPECIFIED.

STANDARD 606001 - CURB AND COMBINATION CURB AND GUTTER

WHERE EXISTING CURB AND GUTTER IS TO BE REMOVED AND REPLACED ADJACENT TO EXISTING CONCRETE PAVEMENT REMAINING IN PLACE, THE CONTRACTOR SHALL PERFORM THE REMOVAL SO THAT THE EXISTING TIE BARS CAN BE USED IN TYING THE NEW CURB AND GUTTER TO THE EXISTING PAVEMENT. ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH EXISTING PAVEMENT, ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH NO. 6 TIE BARS, 24" LONG, EMBEDDED 8" AT 36" CENTERS IN ACCORDANCE WITH THE ARTICLE 420.05 (B) OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TIE BARS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PARTICULAR TYPE OF CURB AND GUTTER SPECIFIED.

THE DEPTH OF THE CURB OR COMBINATION CURB AND GUTTER SHALL BE EQUIVILANT TO THE DEPTH OF THE ADJACENT PAVEMENT, REGARDLESS OF PAVEMENT COMPOSITION.

STANDARD 353001 - PCC BASE WITH HOT MIX ASPHALT BINDER AND SURFACE COURSE

TIE BARS SHALL BE NO. 6 SPACED AT 36" CENTERS.

STANDARD 420001 - PAVEMENT JOINTS

JOINTS AND REPLACEMENT BARS SHALL BE PLACED IN ACCORDANCE WITH THE PORTLAND CEMENT CONCRETE PAVEMENT DETAIL SHOWN ON THIS SHEET.

LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.

TIE BARS SHALL BE NO. 6.

TRANSVERSE SAWED CONTRACTION JOINTS, TRANSVERSE CONSTRUCTION JOINTS AND JOINTS AT CONTRACT TERMINALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS SHEET.

KEYED JOINTS AS SHOWN ON STANDARD 420001 SHALL NOT BE ALLOWED.

STANDARD 442101 - CLASS B PATCHES

IF SAWED LONGITUDINAL JOINT IS REQUIRED, TIE BARS SHALL BE NO. 6 SPACED AT 36" CENTERS.

STANDARDS 442201 - CLASS C AND D PATCHES

CLASS C PATCHES SHALL BE TIED TO THE EXISTING PAVEMENT ALONG ALL SIDES OF THE PATCH WITH NO. 6 TIE BARS, 24" LONG, EMBEDDED 8" AT 36" CENTERS IN ACCORDANCE WITH ARTICLE 420.05 (B) OF THE STANDARD SPECIFICATIONS, MINIMUM 3 BARS ON EACH SIDE. THE COST OF FURNISHING AND INSTALLING THE TIE BARS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS C PATCHES.

MUNICIPALITY, IL	COUNTY HIGHWAY:	XXX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: XXX	REVISIONS	DATE	CONSTRUCTION OF PAVT & PAVT APPURTENANCES (SUPPLEMENTAL TO IDOT) COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-001	C-XXX
MUNICIPALITY, IL	FISCAL YEAR:	XXXX			DRAWN: XXX	GENERAL	3/1/20		
NAME TOWNSHIP	SECTION:	XX-XXXX-XX-XX			CHECKED: XXX				

VILLAGE OF ELK GROVE

COOK COUNTY DETAILS
LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	62
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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	DRAWN -	REVISED -
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PLOT DATE = 10/13/2025	DATE -	REVISED -



SUMMARY OF DRIVEWAY PAVEMENT



CHART

COMMERCIAL DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM FOR 1-WAY OPERATION
24'-0" MINIMUM, 35'-0" MAXIMUM FOR 2-WAY OPERATION



FOOT FOR PORTLAND CEMENT CONCRETE
SIDEWALK OR PER SQUARE YARD FOR
PORTLAND CEMENT CONCRETE DRIVEWAY.



1. MEET EXISTING WALK (USE JOINT FOR PCC PAVEMENT SECTION B-B)
2. IF THERE IS NO EXISTING OR PROPOSED WALK, EXTEND TO RIGHT OF WAY LINE
3. IF THERE IS NO EXISTING WALK BUT A PROPOSED WALK IS REQUIRED, CONSTRUCT 8 INCH WALK FOR FULL DRIVEWAY WIDTH (SECTION B-B)
4. IF THERE IS A WALK ADJUSTMENT, CONSTRUCT 8" WALK FOR FULL DRIVEWAY WIDTH AND 5" WALK BEYOND.

QUANTITIES SHALL BE COMPUTED ON THE BASIS OF THE DRIVES EXTENDING TO SIDEWALK OR RIGHT OF WAY LINE AS SHOWN ON THE PLANS, HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE FIELD ENGINEER TO DETERMINE THE ACTUAL LIMITS OF EACH INSTANCE.



NOTE A

FOR HMA DRIVEWAYS: AS AN ALTERNATE TO THE 1 3/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70, AND THE 2 1/4" HOT-MIX ASPHALT CONCRETE BINDER COURSE, IL-19, N70 4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 MAY BE USED. IN THE EVENT THE CONTRACTOR ELECTS TO USE THIS ALTERNATE, THE ADDITIONAL 2 1/4" OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT BINDER COURSE, IL-19, N70.

GENERAL NOTE:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL
MUNICIPALITY, IL
NAME TOWNSHIP

COUNTY HIGHWAY:	XXX
FISCAL YEAR:	XXXX
SECTION:	XX-XXXXX-XX-XX



COUNTY OF COOK
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

COMPUTED:	XXX	REVISIONS
DRAWN:	XXX	GENERAL
CHECKED:	XXX	

PRIVATE AND COMMERCIAL DRIVE DETAIL
COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
STANDARD C-002

C-XXX

NOT TO SCALE SHEET X



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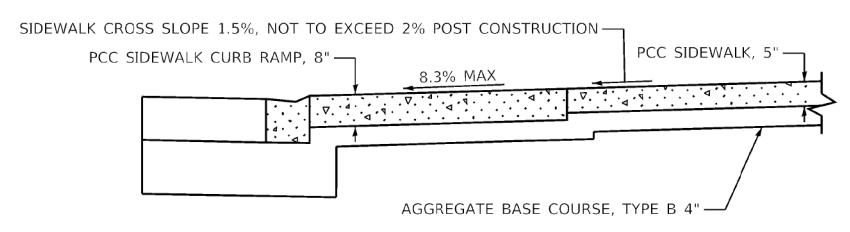
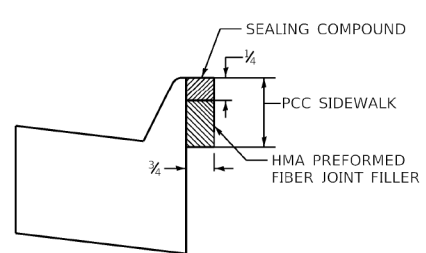
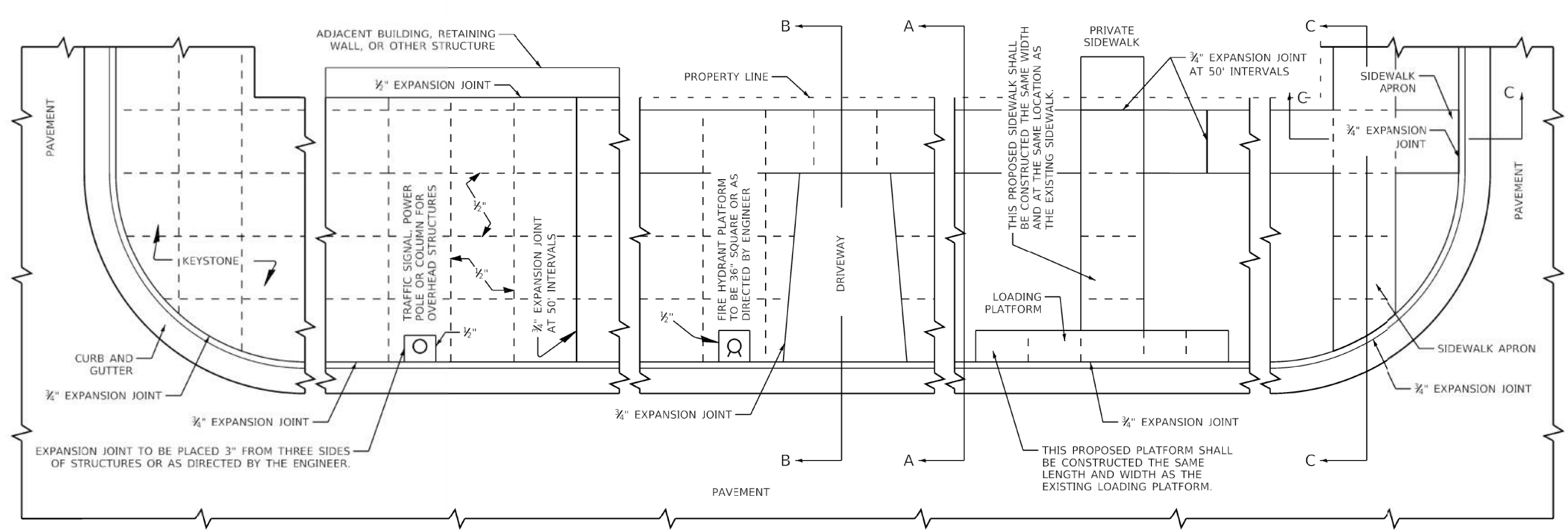
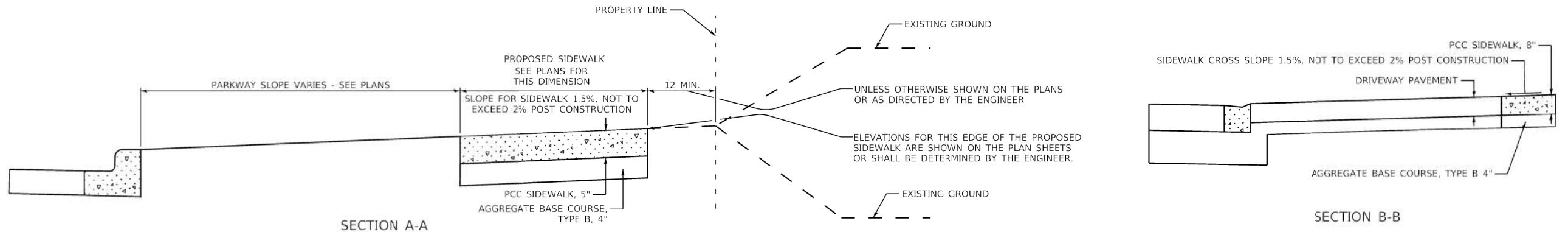
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

COOK COUNTY DETAILS

LANDMEIER ROAD

FAU RTE.	SECTION	COUNTY	TOTAL	SHEET
			SHEETS	NO.
1333		COOK	72	63
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		



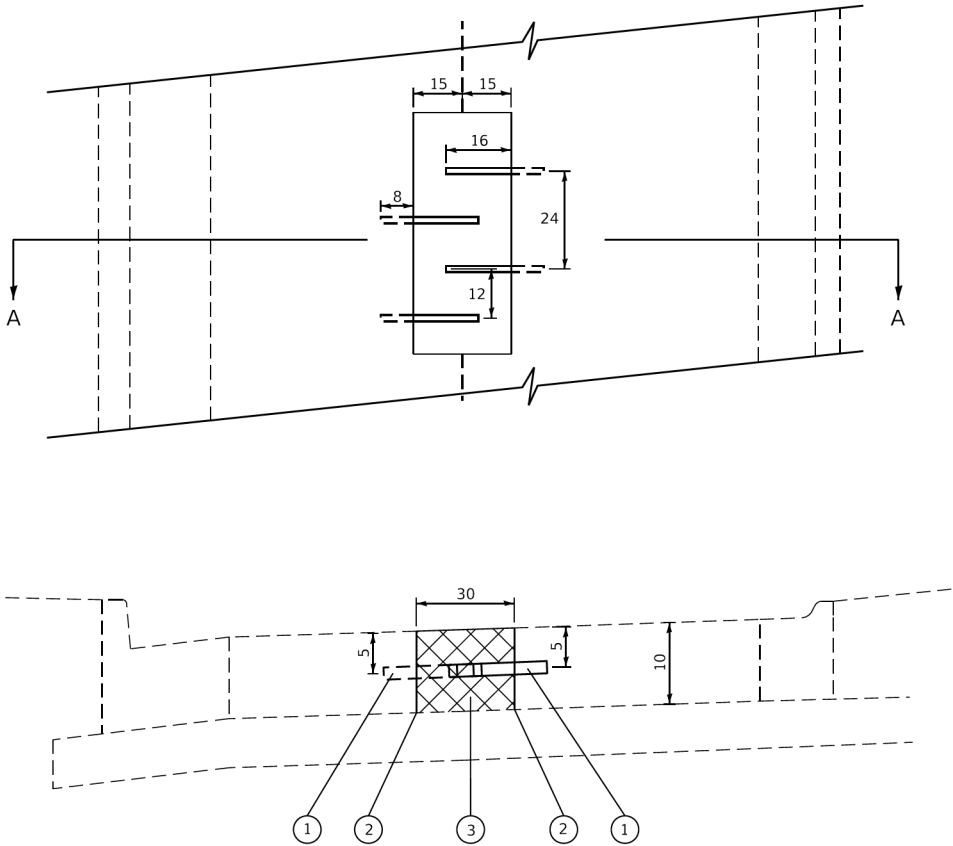
GENERAL NOTES:
ALL EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 424.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP		COUNTY HIGHWAY: XXX FISCAL YEAR: XXXX SECTION: XX-XXXX-XX-XX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS		COMPUTED: XXX DRAWN: XXX CHECKED: XXX	REVISIONS GENERAL NEW DRAWING SECTION C-C	DATE 1/1/20 11/10/22	PORTLAND CEMENT CONCRETE SIDEWALK CONSTRUCTION DETAIL COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-003		C-XXX NOT TO SCALE SHEET X

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HRGreen.com Illinois Professional Design Firm # 184-001322		USER NAME = muzzda	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	VILLAGE OF ELK GROVE		COOK COUNTY DETAILS LANDMEIER ROAD		FAU RTE. 1333	SECTION	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 64
		PLOT DATE = 10/13/2025	DATE -	REVISED -			SCALE:	SHEET 1 OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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SECTION A-A

DETAIL OF LONGITUDINAL JOINT REPAIR

THE SAWCUT, REMOVAL, DISPOSAL OF THE CONCRETE PAVEMENT, TIE BARS, DRILLING AND GROUTING OF THE TIE BARS ARE INCLUDED IN THE PAY ITEMS OF CLASS B PATCHES, LONGITUDINAL JOINT REPAIR (SPECIAL).

LEGEND

- ① NO. 6 TIE BAR AT 24 IN CENTERS GROUTED IN PLACE
- ② FULL DEPTH SAW CUT
- ③ CLASS B PATCHES, LONGITUDINAL JOINT REPAIR (SPECIAL)

GENERAL NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

STANDARD C-004

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP	COUNTY HIGHWAY: XXX			COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: xxx DRAWN: xxx CHECKED: xxx	REVISIONS DATE	CLASS B PATCHES, LONGITUDINAL JOINT REPAIR (SPECIAL) DETAILS COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS CIVIL STANDARD	C-X NOT TO SCALE SHEET X
	FISCAL YEAR:	XXXX						
	SECTION:	XX-XXXX-XX-XX						



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USER NAME	= mzuzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

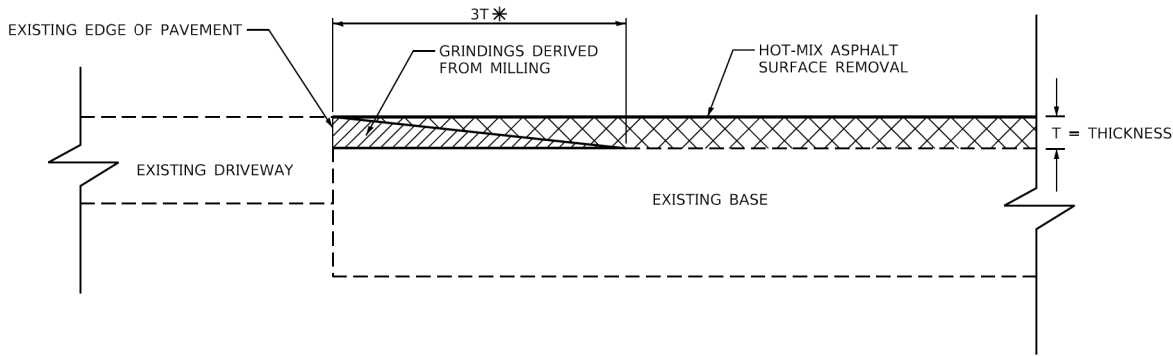
VILLAGE OF ELK GROVE

COOK COUNTY DETAILS
LANDMEIER ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	65
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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*LENGTH SHALL BE 3 TIMES THE MILLING THICKNESS OR AS DETERMINED BY THE ENGINEER

TEMPORARY RAMP AT DRIVEWAY

DURING HOT-MIX ASPHALT SURFACE REMOVAL

NOTE:

PLACEMENT, COMPACTION, AND REMOVAL OF THE GRINDINGS SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, OF THE THICKNESS SPECIFIED.

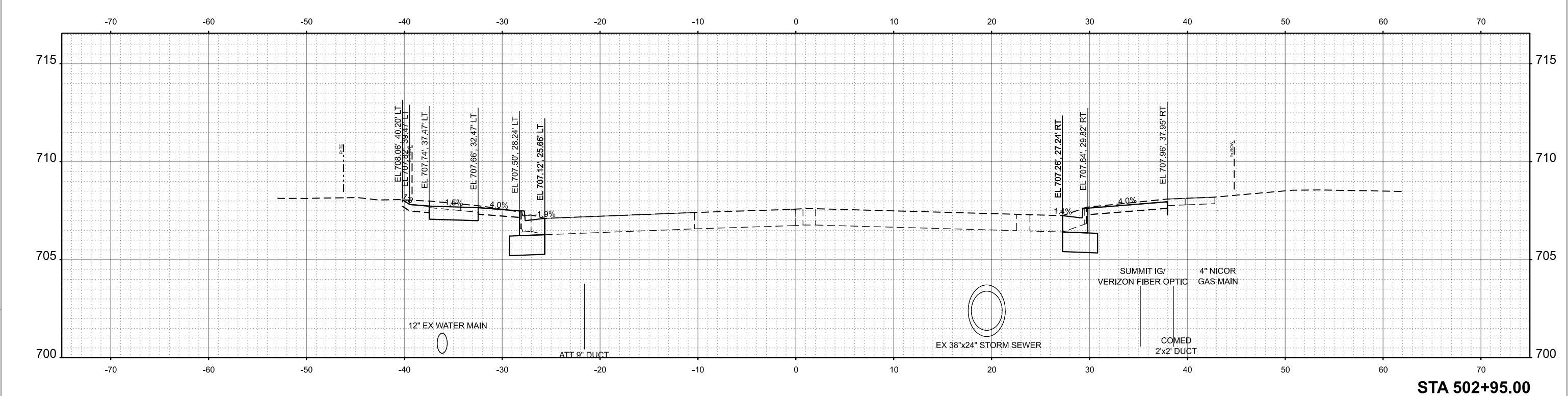
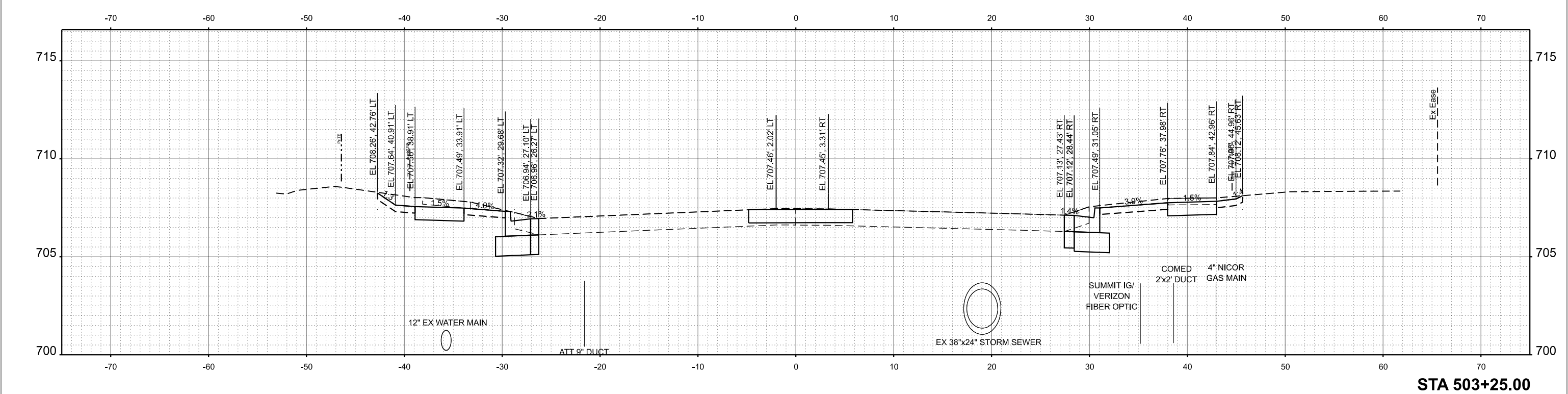
MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP		COUNTY HIGHWAY:	XXX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: XXX	REVISIONS	DATE	TEMPORARY RAMP AT DRIVEWAY DETAIL COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-005	C-XXX
		FISCAL YEAR:	XXXX			DRAWN: XXX	GENERAL	1/1/20		
		SECTION:	XX-XXXX-XX-XX			CHECKED: XXX				
NOT TO SCALE SHEET X										

om al Design Firm	USER NAME = mzuzda	DESIGNED -	REVISED -	VILLAGE OF ELK GROVE	COOK COUNTY DETAILS LANDMEIER ROAD			FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1333		COOK	72	66
		CHECKED -	REVISED -					CONTRACT NO.				
	PLOT DATE = 10/13/2025	DATE -	REVISED -		SCALE:	SHEET 1 OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

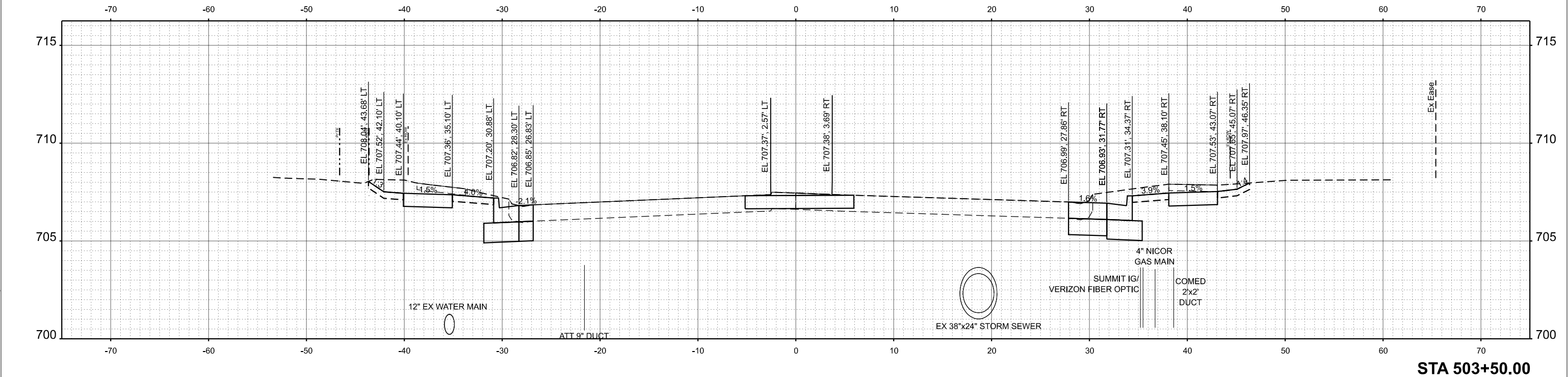
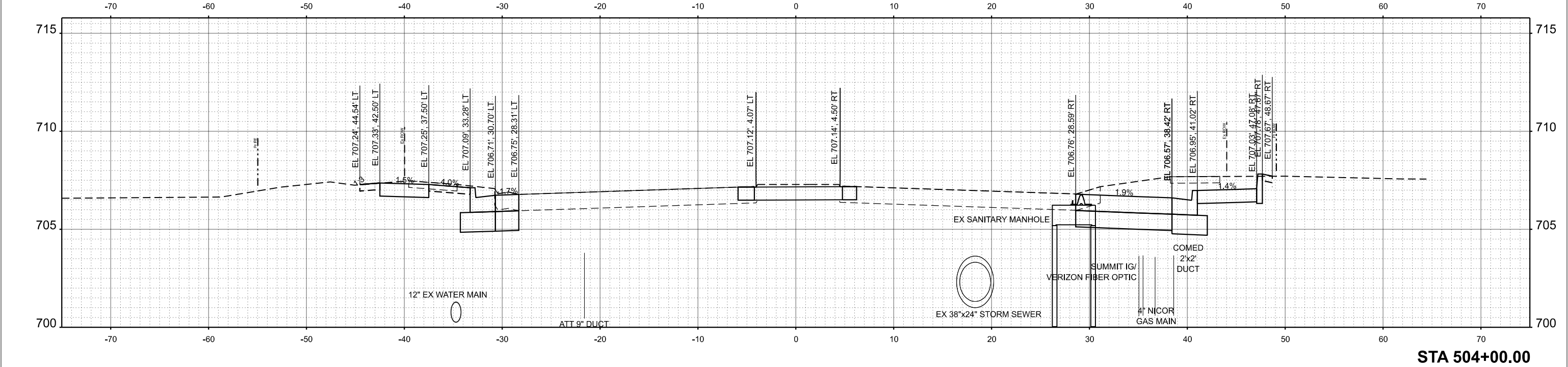
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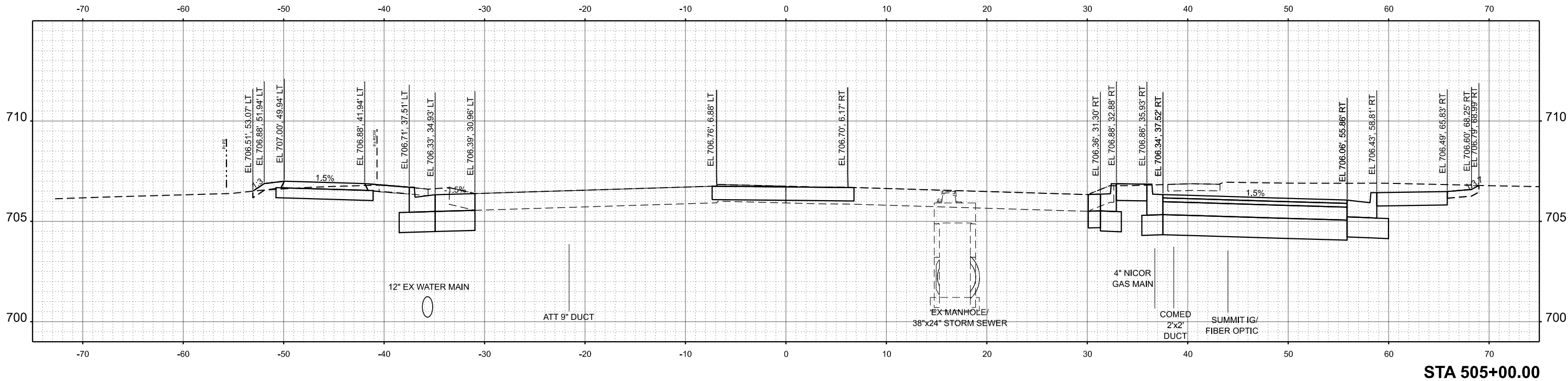
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NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	AREAS CHECKED	

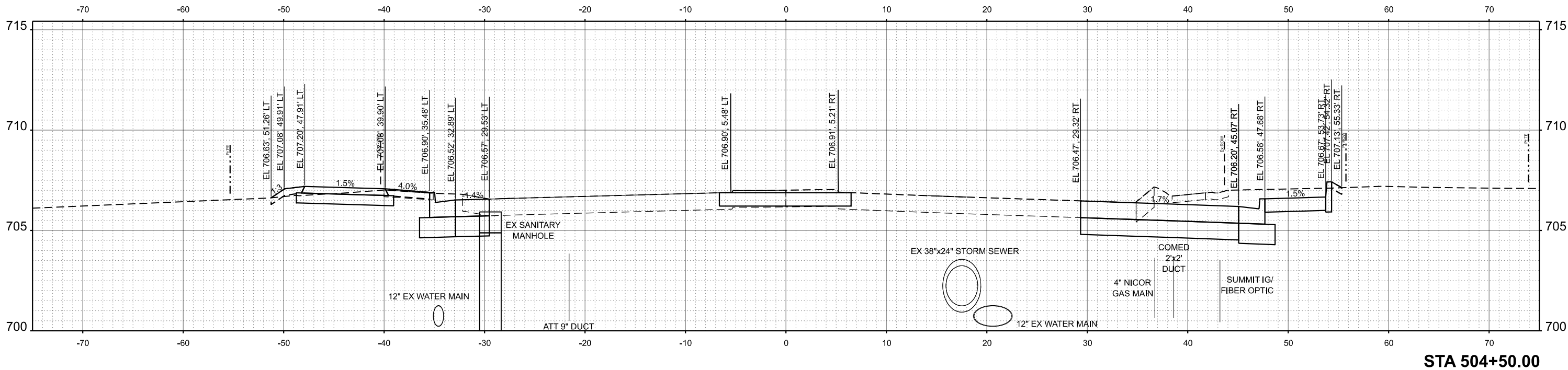
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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



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	DRAWN -	REVISED -
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PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

CROSS SECTIONS LANDMEIER ROAD

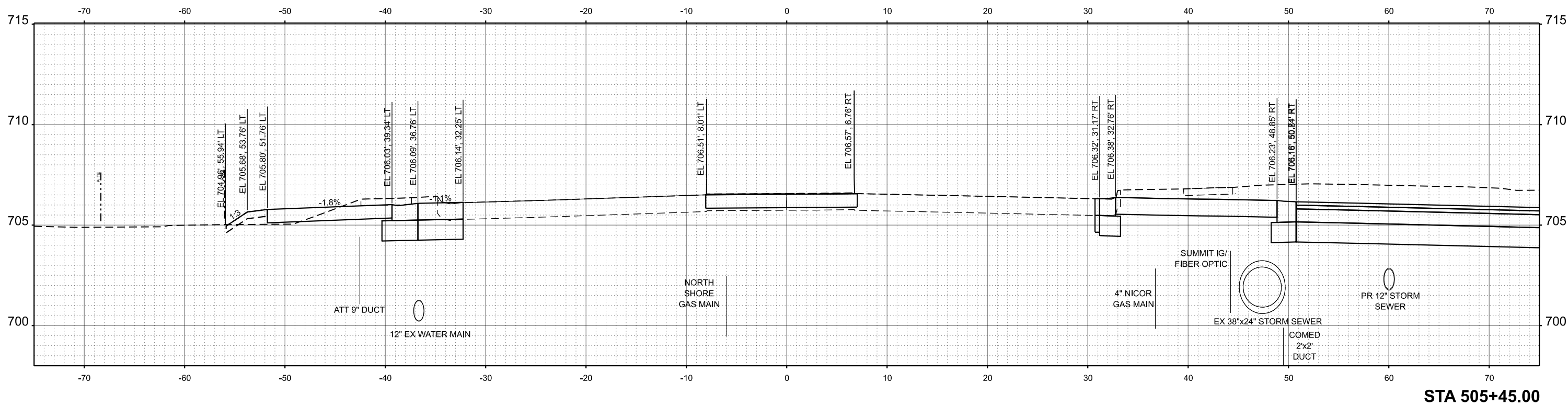
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	69
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED _____	BY	DATE
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
NO. _____	AREAS CHECKED _____		



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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	70
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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FILE NAME: 220706_sht_XSec_Landmeier.dgn



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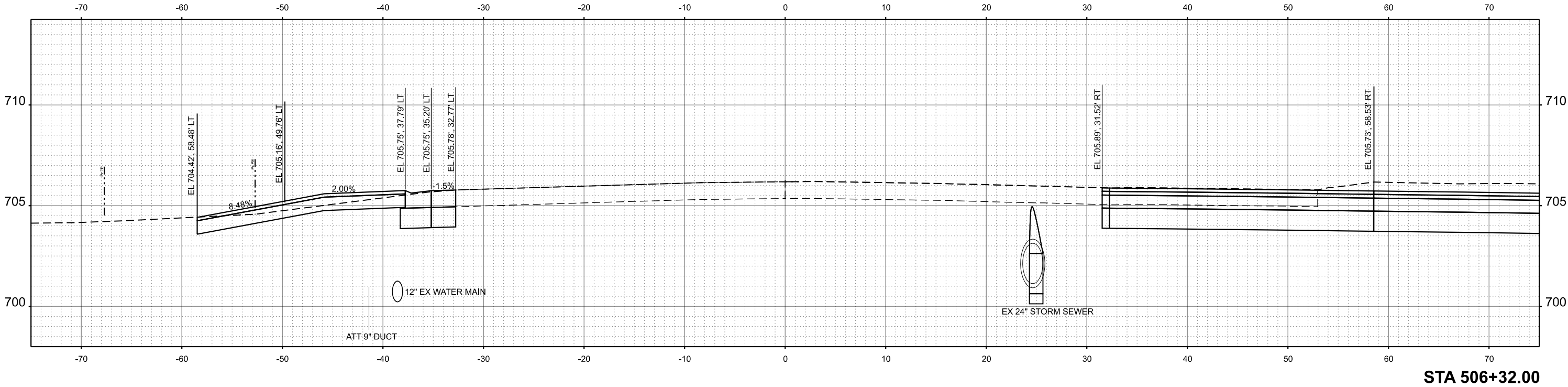
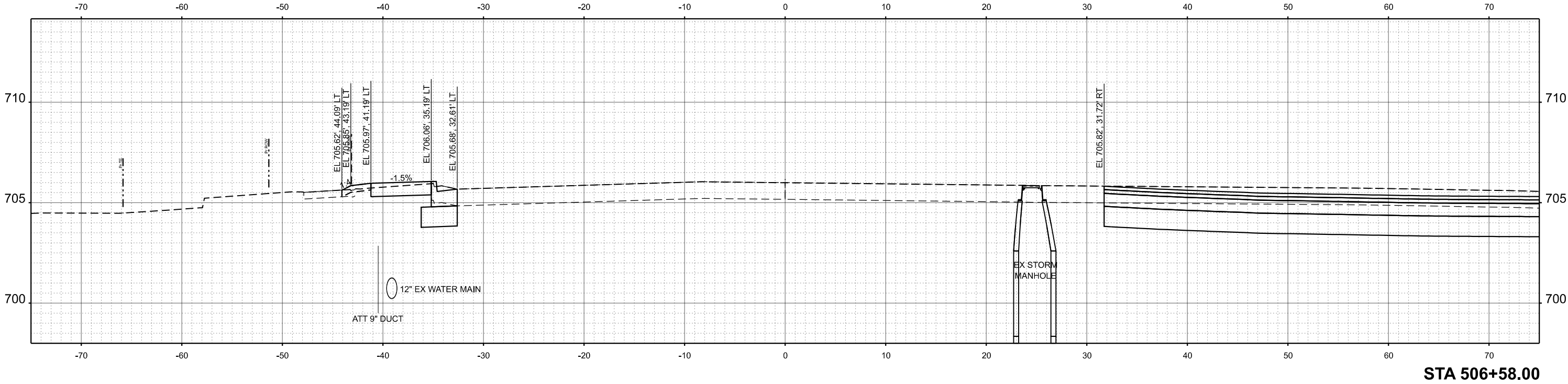
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PLOT DATE	= 10/13/2025	DATE	-	REVISED	-

VILLAGE OF ELK GROVE

CROSS SECTIONS
LANDMEIER ROAD

SCALE: 1"=5' SHEET 5 OF 6 SHEETS STA. 506+32.00 TO STA. 506+58.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	71
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED PLOTTED TEMPLATE AREAS	BY	DATE
NO.	NO.	NO.	NO.

ORIGINAL SURVEY	SURVEYED PLOTTED TEMPLATE AREAS	BY	DATE
NO.	NO.	NO.	NO.

MODEL: XS Landmeier Sht-6
FILE NAME: 220706_sht_XSec_Landmeier.dgn



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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 10/13/2025	DATE -	REVISED -

VILLAGE OF ELK GROVE

CROSS SECTIONS
LANDMEIER ROAD

SCALE: 1"=5' SHEET 6 OF 6 SHEETS STA. 507+00.00 TO STA. 507+18.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1333		COOK	72	72
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		

