

11-08-2024 LETTING ITEM 105

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

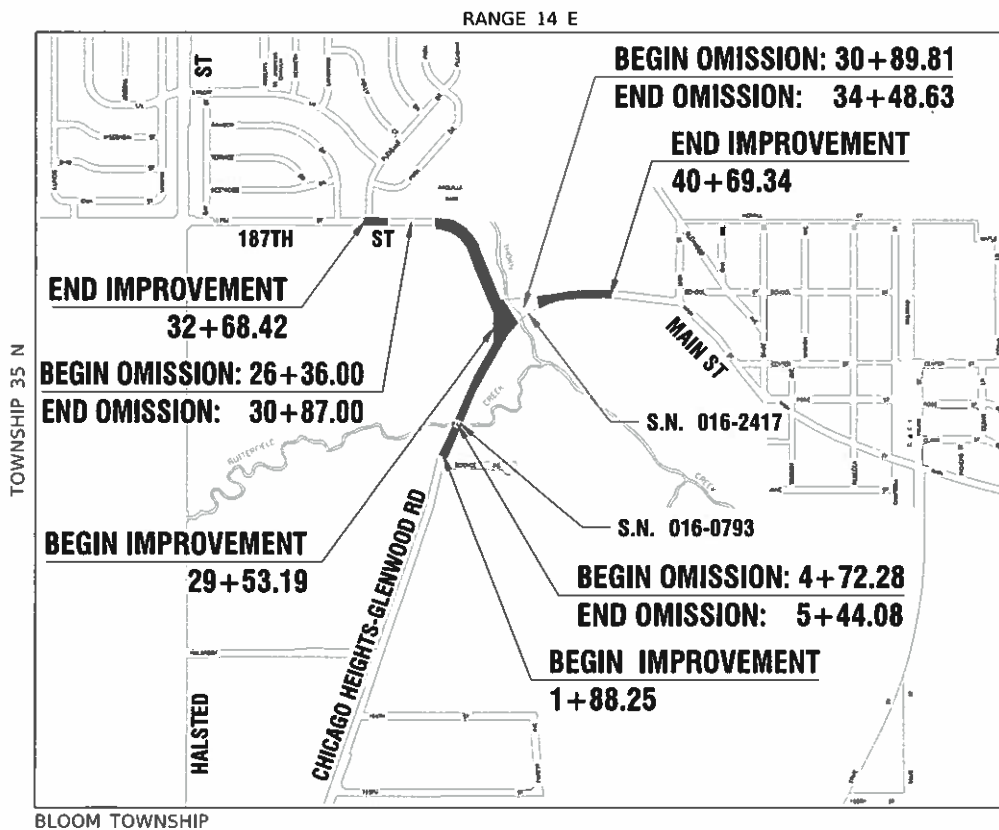
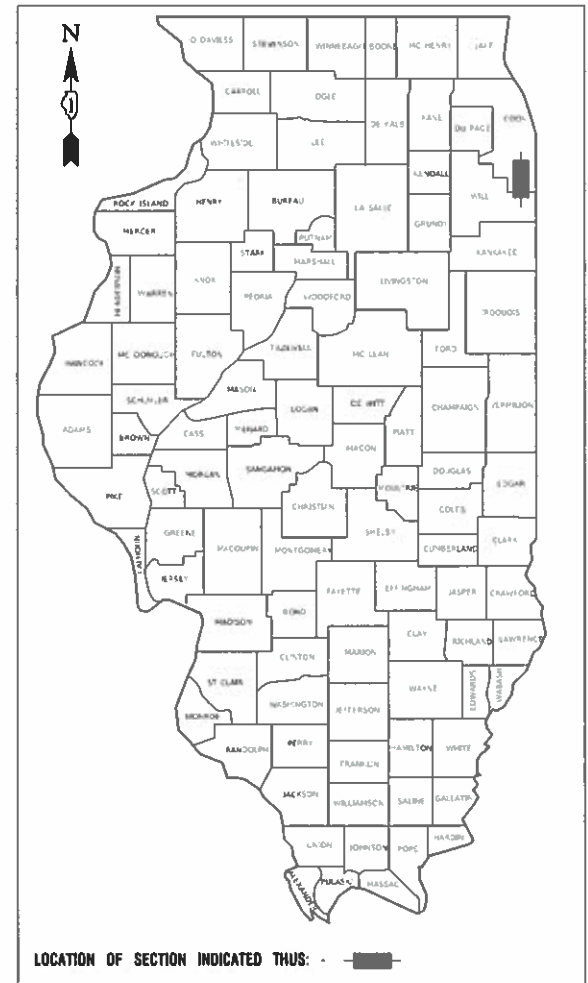
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

ADT:	2022 ADT	2040 ADT
NORTH LEG:	6,650	8,500
SOUTH LEG:	5,850	8,500
WEST LEG:	145	250
EAST LEG:	5,850	14,500
POSTED SPEED LIMIT:	NORTH LEG: 25 MPH EAST LEG: 30 MPH SOUTH LEG: 35 MPH	
FUNCTIONAL CLASSIFICATION:	MAJOR COLLECTOR	

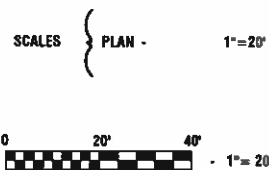
**FAU ROUTE 1624 (187TH STREET)
CHICAGO HEIGHTS-GLENWOOD ROAD
ROAD RECONSTRUCTION
SECTION NO.: 11-00052-00-CH
PROJECT NO.: S2XJ(109)
VILLAGE of GLENWOOD
COOK COUNTY
JOB NO.: C-91-162-12**

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	1
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K48		



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 4,020 FEET = 0.76 MILES
NET LENGTH = 3,153 FEET = 0.60 MILES



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



JOHN D. HILSEN
062-068772
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
07-08-24

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	5/30/24
	<i>[Signature]</i> VILLAGE OF GLENWOOD, MAYOR
PASSED	JULY 23, 2024
	<i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	July 23 rd , 2024
	<i>[Signature]</i> REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS**

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE, SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61K48

INDEX OF SHEETS

1. COVER SHEET
 2. INDEX OF SHEETS & HIGHWAY STANDARDS
 3. GENERAL NOTES
 4.-14. SUMMARY OF QUANTITIES
 15.-19. TYPICAL CROSS SECTIONS
 20.-21. SCHEDULE OF QUANTITIES
 22.-23. ALIGNMENT & TIES
 24.-28. EXISTING CONDITIONS & REMOVALS
 29.-37. PLAN AND PROFILES
 38.-40. DETOUR PLAN
 41.-56. SUGGESTED CONSTRUCTION STAGING
 57.-67. DRAINAGE AND UTILITY PLANS
 68. INTERSECTION GRADING PLANS
 69.-72. ADA RAMP DETAILS
 73.-74. PAVEMENT MARKING PLANS
 75.-76. SIGNING PLANS
 77.-78. LANDSCAPING AND EROSION CONTROL
 79.-95. TRAFFIC SIGNAL PLANS
 96.-106. IDOT DISTRICT 1 STANDARDS
 107.-125. CROSS SECTIONS

HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 424006-05 DIAGONAL CURB RAMPS FOR SIDEWALKS
 424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
 424016-05 MID-BLOCK CURB RAMPS FOR SIDEWALKS
 424021-06 DEPRESSED CORNER FOR SIDEWALKS
 424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
 424031-02 MEDIAN PEDESTRIAN CROSSINGS
 442201-03 CLASS C AND D PATCHES
 601001-05 PIPE UNDERDRAINS
 601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 606006-04 OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)
 701001-02 OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY
 701006-05 OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
 701011-04 OFF ROAD MOVING OPERATIONS, 2L,2W, DAY ONLY
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 701801-06 SIDEWALK CORNER OR CROSSWALK CLOSURE
 701901-09 TRAFFIC CONTROL DEVICES
 720001-01 SIGN PANEL MOUNTING DETAILS
 720006-04 SIGN PANEL ERECTION DETAILS
 720016-04 MAST ARM MOUNTED STREET NAME SIGNS
 728001-01 TELESCOPING STEEL SIGN SUPPORT
 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT
 780001-05 TYPICAL PAVEMENT MARKINGS
 782001-01 CURB REFLECTORS
 814001-03 HANDHOLES
 838001-01 BREAKAWAY DEVICES
 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
 877011-10 STEEL COMB. MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
 886001-01 DETECTOR LOOP INSTALLATIONS
 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT ONE DETAILS

BD-07 STORM SEWER CONNECTION TO EXISTING SEWER
 BD-08 FRAMES AND LIDS ADJUSTMENT WITH MILLING
 BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
 BD-51 BENCHING DETAIL FOR EMBANKMENT WIDENING
 TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
 TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
 TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
 TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
 TC-16 SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
 TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
 TC-22 ARTERIAL ROAD INFORMATION SIGN
 TC-26 DRIVEWAY ENTRANCE SIGNING

COMMITMENT

- NO REMOVAL OF TREES MEASURING THREE (3) INCHES IN DIAMETER OR GREATER AT BREST HEIGHT SHALL OCCUR BETWEEN APRIL 1 AND OCTOBER 31 OF ANY GIVEN YEAR TO CONSERVE THE THREATENED AND ENDANGERED NORTHERN LONG-EAR BAT (NLEB).

FILE NAME = 11558_02-INDX-01 - P01	USER NAME =	DESIGNED -- PS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION INDEX OF SHEETS & STATE STANDARDS			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- JDH	REVISED --		1624	11-00052-00-CH	COOK	125	2			
	PLOT SCALE =	DRAWN -- RG	REVISED --		CONTRACT NO. 61K48							
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --		SCALE: NONE	SHEET NO. 2 OF 125 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT S2XJ(109)			

GENERAL NOTES

- ALL ROADWAY CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND ALL AMENDMENTS THERETO, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE SPECIFICATIONS FOR CONSTRUCTION IN THE VILLAGE OF GLENWOOD AND IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
- ALL STORM SEWER, SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", PUBLISHED JUNE 2014, AND IN ACCORDANCE WITH THE SPECIFICATIONS FOR CONSTRUCTION IN THE VILLAGE OF GLENWOOD UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 AND THE VILLAGE OF GLENWOOD FOR UTILITY LOCATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION OPERATIONS DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING, WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE ORDER OF ITS WORK FROM TIME TO TIME, TO COORDINATE SAME WITH UTILITY RELOCATION WORK, AND SHALL PREPARE REVISED SCHEDULE (S) IN COMPLIANCE THERewith AS DIRECTED BY THE OWNER. THE OWNER AND THE ENGINEER SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY OPERATION REQUIRED COOPERATION WITH OTHERS. ALL OTHER AGENCIES, UNLESS OTHERWISE NOTED, WILL BE NOTIFIED IN WRITING BY THE CONTRACTOR TEN (10) DAYS PRIOR TO THE START OF ANY SUCH OPERATION. THE UTILITY COMPANIES HAVE BEEN CONTACTED IN REFERENCE TO UTILITIES THEY OWN AND OPERATE WITHIN THE LIMITS FOR THIS PROJECT. ALL KNOWN DATA FROM THESE AGENCIES HAS BEEN INCORPORATED INTO THE PLANS. IT IS HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM OR ESTABLISH THE EXISTENCE OF ALL UTILITY FACILITIES AND THEIR EXACT LOCATIONS, WHETHER CONTAINED IN THE DATA SUBMITTED BY THESE AGENCIES OR NOT, AND TO SAFELY SCHEDULE ALL UTILITY RELOCATIONS.
- THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED.
- THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEAN-UP AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED.
- AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FORM DIRT AND DEBRIS.
- TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS FROM THE NOMINAL THICKNESS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
- ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES BY LIMITING CURB AND GUTTER REPAIR TO ONE-HALF THE DRIVEWAY WIDTH AT ONE TIME AS THROUGH THE USE OF AGGREGATE FOR TEMPORARY ACCESS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE OR IDOT RIGHT OF WAY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT ROBINSON ENGINEERING (847)250-5635 AND THE VILLAGE OF GLENWOOD (708)753-2417 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE HMA SURFACE LIFT AND UNDER THE TOP HMA BINDER LIFT.
- 10 FT TRANSITIONS SHALL BE USED TO MATCH THE PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 36" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE TCB IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.

LANDSCAPING

- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- 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.
- ALL TREE PROTECTION, TREE REMOVAL, PRUNING, AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS AND CREEKS. PHOSPHORUS WOULD ADVERSELY AFFECT THE CONDITIONS OF THE NEARBY WETLANDS, BUTTERFIELD CREEK, AND THORN CREEK. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
- TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES, SHRUBS, AND LANDSCAPED BEDS WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES, AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.
- THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE NATIVE SEEDING, TREES, AND SHRUBS.

STORM SEWER NOTES

- ON ALL IMPROVEMENTS THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF GLENWOOD AND BE SALVAGED. THE OWNER SHALL BE NOTIFIED AS TO AVAILABILITY FOR PICK-UP.
- THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
- FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
- TRENCH BACKFILL WILL BE REQUIRED TO THE FULL DEPTH ABOVE SEWERS WITHIN TWO (2) FEET OF PROPOSED OR EXISTING PAVEMENT. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07 (b,c) OF THE SSRBC WILL NOT BE ALLOWED.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

EARTHWORK NOTES

GENERAL

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.
- ANY QUANTITIES IN THE BID PROPOSAL ARE INTENDED AS A GUIDE FOR THE CONTRACTORS USE IN DETERMINING THE SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF OF ALL SITE CONDITIONS.
- THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE AND SUBGRADE ELEVATIONS (AS NOTED) AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC. MUST BE ACCOUNTED FOR.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION, AND PREVENT STORMWATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. THE FAILURE TO PROVIDE PROPER DRAINAGE WILL NEGATE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION AND TRAFFIC.
- PLANS FOR THE SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED AND APPROVED PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE "SOIL EROSION AND SEDIMENTATION CONTROL MEASURES". THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT AND FILTER FENCING, ETC. TO PROTECT ADJACENT PROPERTY, WETLANDS, ETC. SHALL OCCUR BEFORE GRADING BEGINS.
- ALL STORM INLETS SHALL BE PROTECTED BY INLET FILTERS. PLACEMENTS AND MAINTENANCE OR SILT BARRIER SHALL BE AS DIRECTED BY THE ENGINEER, BASED ON ACTUAL GRADING. GRADE THE AREA WITHIN FOUR (4) FEET AROUND STRUCTURES ONE (1) FOOT BELOW RIM TO SERVE AS A SEDIMENTATION BASIN DURING CONSTRUCTION.
- FINAL LOCATION OF SILT FENCE SHALL BE ADJUSTED BASED ON ACTUAL SITE GRADING CONDITIONS. ADDITIONAL MEASURES SHALL BE ADDED AS DIRECTED BY THE ENGINEER.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESEED AS SOON AS PRACTICAL.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL.
- ANY GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

FILE NAME = 11558_02-INDX-01 - P02	USER NAME =	DESIGNED -- PS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION GENERAL NOTES & STATE STANDARDS			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- JDH	REVISED --		1624	11-00052-00-CH	COOK	125	3			
	PLOT SCALE =	DRAWN -- RG	REVISED --		CONTRACT NO. 61K48							
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --		SCALE: NONE	SHEET NO. 3	OF 125 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	26	26		
*	20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25		
	20101000	TEMPORARY FENCE	FOOT	4,020	4,020		
*	20101100	TREE TRUNK PROTECTION	EACH	30	30		
*	20101200	TREE ROOT PRUNING	EACH	10	10		
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	50	50		
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20	20		
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,040	1,040		
	20400800	FURNISHED EXCAVATION	CU YD	410	410		
	20800150	TRENCH BACKFILL	CU YD	360	360		
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,070	3070		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	15,628	15,628		
	21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	70	70		
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	189	189		
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	189	189		
*	25200110	SODDING, SALT TOLERANT	SQ YD	15,220	15,220		
*	25200200	SUPPLEMENTAL WATERING	UNIT	5	5		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	330	330		

FILE NAME = 11558_02-QUAN-01 - P01

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 4 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	4
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
CONSTRUCTION TYPE CODE							
					0004	0021	0042
	28000305	TEMPORARY DITCH CHECKS	FOOT	50	50		
	28000400	PERIMETER EROSION BARRIER	FOOT	6,680	6,680		
	28000510	INLET FILTERS	EACH	33	33		
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	15,630	15,630		
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,040	1,040		
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	12,261	12,261		
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,601	1,601		
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	21,534	21,534		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,454	5,454		
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	6,075	6,075		
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	3		
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	45	45		
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	291	291		
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	190	190		
	40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"	SQ YD	9,571	9,571		
	42001300	PROTECTIVE COAT	SQ YD	2,815	2,815		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9,263	9,263		
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	710	710		

FILE NAME = 11558_02-QUAN-01 - P02

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 5 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	5
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
	42400800	DETECTABLE WARNINGS	SQ FT	103	103		
	44000100	PAVEMENT REMOVAL	SQ YD	9,877	9,877		
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	911	911		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	608	608		
	44000300	CURB REMOVAL	FOOT	177	177		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,739	4,739		
	44000600	SIDEWALK REMOVAL	SQ FT	7,067	7,067		
	44003100	MEDIAN REMOVAL	SQ FT	899	899		
	44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	5	5		
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	61	61		
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	81	81		
	48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	651	651		
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1		
	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1		
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	478	478		
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	98	98		
	550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	103	103		
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	60	60		

FILE NAME = 11558_02-QUAN-01 - P03

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 6 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	6
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
	55100500	STORM SEWER REMOVAL 12"	FOOT	275	275		
	55100900	STORM SEWER REMOVAL 18"	FOOT	98	98		
	55101100	STORM SEWER REMOVAL 21"	FOOT	106	106		
	55101400	STORM SEWER REMOVAL 30"	FOOT	56	56		
	56106600	ADJUSTING WATER MAIN 12"	FOOT	40	40		
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2		
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	4,075	4,075		
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3		
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	9	9		
	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2		
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1		
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	7	7		
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2		
	60404950	FRAMES AND GRATES, TYPE 24	EACH	8	8		
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1		

FILE NAME = 11558_02-QUAN-01 - P04

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 7 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	7
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
	60500040	REMOVING MANHOLES	EACH	1	1		
	60500050	REMOVING CATCH BASINS	EACH	8	8		
	60500060	REMOVING INLETS	EACH	3	3		
	60600605	CONCRETE CURB, TYPE B	FOOT	122	122		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	270	270		
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	114	114		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4,086	4,086		
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1,768	1,768		
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	263		263	
*	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4		4	
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4	
	63200310	GUARDRAIL REMOVAL	FOOT	959	959		
	67100100	MOBILIZATION	L SUM	1	1		
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	180	180		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,325		1,325	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4,660		4,660	
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	281		281	

FILE NAME = 11558_02-QUAN-01 - P05

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET NO. 8 OF 125 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	8
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
CONSTRUCTION TYPE CODE							
					0004	0021	0042
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	11,555		11,555	
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2,300		2,300	
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	150		150	
	70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	356		356	
	70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	178		178	
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	FOOT	281		281	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	7,206		7,206	
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1,233		1,233	
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	745		745	
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	120		120	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	752	752		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	752	752		
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2		
	70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	146	146		
*	72000200	SIGN PANEL - TYPE 2	SQ FT	71	71		
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	13	13		
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	9	9		

FILE NAME = 11558_02-QUAN-01 - P06

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 9 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	9
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
CONSTRUCTION TYPE CODE							
					0004	0021	0042
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	84	84		
	72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	71	71		
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	171	171		
*	73000100	WOOD SIGN SUPPORT	FOOT	62	62		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	281		281	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,206		7,206	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,233		1,233	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	680		680	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	120		120	
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2,100		2,100	
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	88		88	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	205		205	
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8		8	
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	61	61		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4		4	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,765		1765	
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,046		1,046	

FILE NAME = 11558_02-QUAN-01 - P07

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 10 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	10
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
CONSTRUCTION TYPE CODE							
					0004	0021	0042
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	130		130	
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	465		465	
*	81400100	HANDHOLE	EACH	5		5	
*	81400200	HEAVY-DUTY HANDHOLE	EACH	1		1	
*	81400300	DOUBLE HANDHOLE	EACH	2		2	
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,977		1,977	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,003		3,003	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,944		1,944	
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,375		2,375	
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,438		1,438	
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	503		503	
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,016		1,016	
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4	
*	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1	
*	87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	2		2	
*	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2		2	
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20	

FILE NAME = 11558_02-QUAN-01 - P08

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 11 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	11
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4	
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47		47	
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4	
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4	
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4	
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4	
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8	
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8		8	
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	4		4	
*	88600100	DETECTOR LOOP, TYPE I	FOOT	287		287	
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3		3	
*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1	
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
*	89502380	REMOVE EXISTING HANDHOLE	EACH	7		7	
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1	
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9	
*	A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		

FILE NAME = 11558_02-QUAN-01 - P09

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 12 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	12
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
*	A2006816	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
*	A2005416	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
*	B2001166	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6	6		
*	C2001162	SHRUB, CEPHALANTHUS OCCIDENTALIS (BUTTON BUSH), CONTAINER GROWN, 5-GALLON	EACH	12	12		
*	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	2	2		
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	970		970	
*	X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1	
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1	
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1		1	
	X2010512	CLEARING AND GRUBBING	SQ YD	125	125		
	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	4,290	4,290		
*	X2501821	SEEDING, CLASS 5B (MODIFIED)	ACRE	0.25	0.25		
*	X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.25	0.25		
*	X2503000	MAINTENANCE MOWING	ACRE	5.00	5.00		
*	X2503110	MOWING (SPECIAL)	ACRE	1.00	1.00		
*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	414	414		
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3		
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	777	777		

FILE NAME = 11558_02-QUAN-01 - P10

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**187TH STREET
ROAD RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 13 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	13
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%	FED 80%
					VILLAGE 20%	VILLAGE 20%	VILLAGE 20%
					ROADWAY	SAFETY	TRAINEES
					CONSTRUCTION TYPE CODE		
					0004	0021	0042
	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	3	3		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1	
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8	
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4		4	
	Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	493	493		
	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	21	21		
	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	2	2		
*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1	
	Z0062456	TEMPORARY PAVEMENT	SQ YD	152	152		
*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	8		8	
	Z0076600	TRAINEES	HOUR	500			500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500

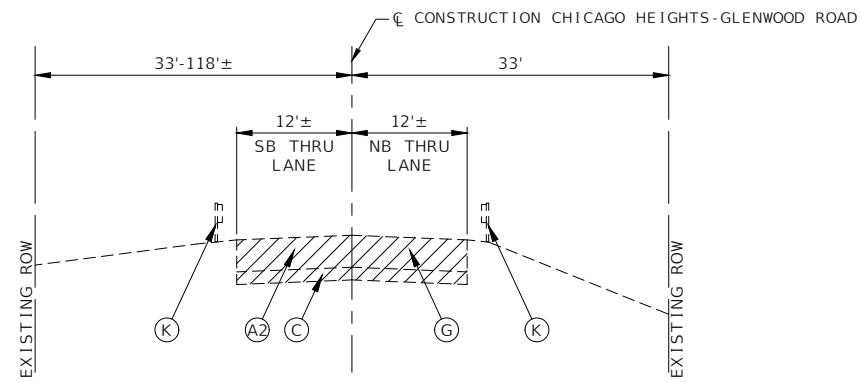
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USER NAME =	DESIGNED -- PS	REVISED --
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PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

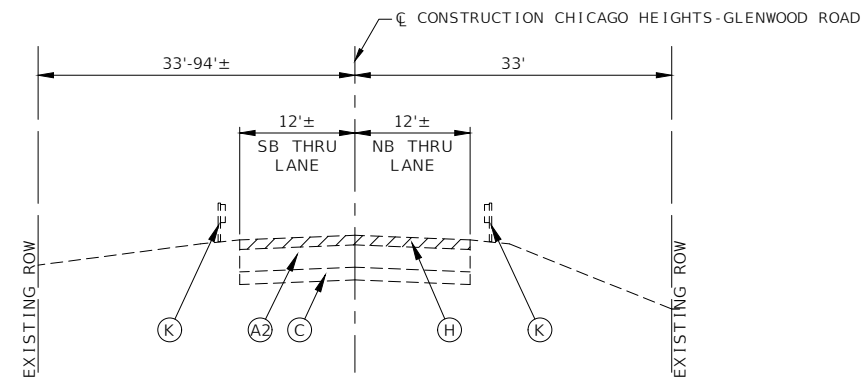
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SUMMARY OF QUANTITIES		
SCALE: NONE	SHEET NO. 14 OF 125 SHEETS	STA. TO STA.

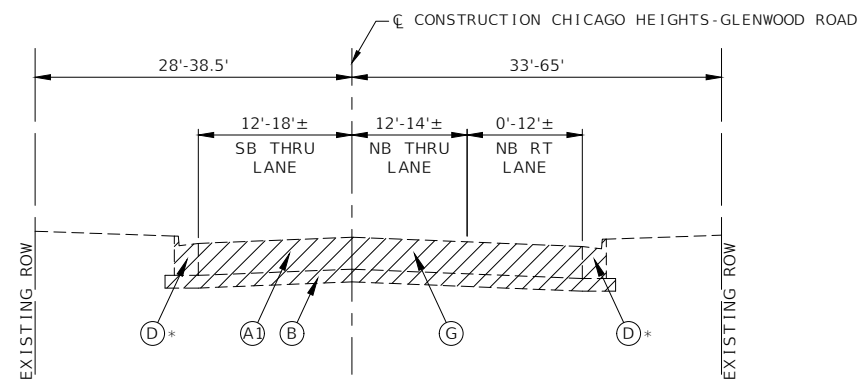
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	14
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



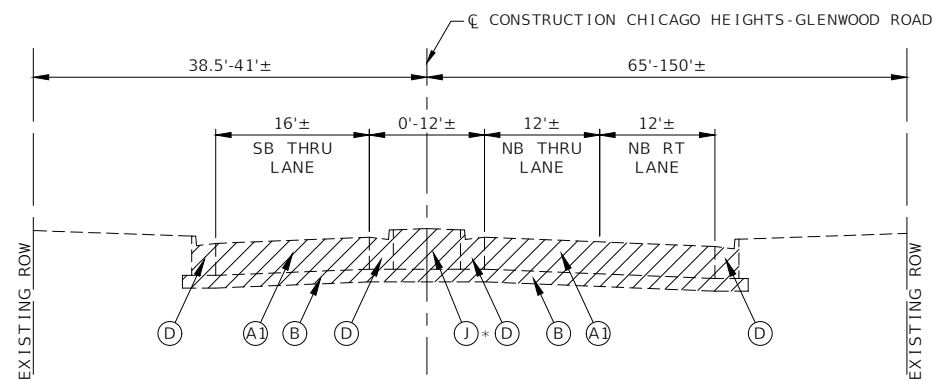
EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 1+88.25 TO STA 4+22.28
STA 5+94.08 TO STA 9+87.38



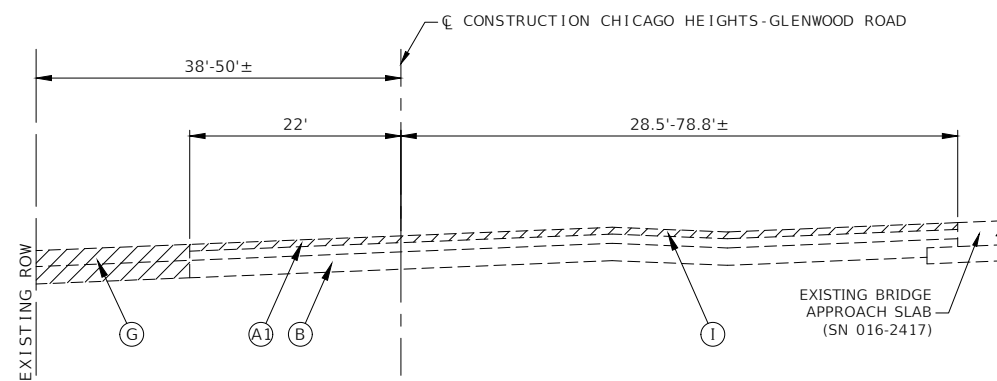
EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 4+22.28 TO STA 5+94.08
(BRIDGE OMISSION STA 4+72.28 TO STA 5+44.08)



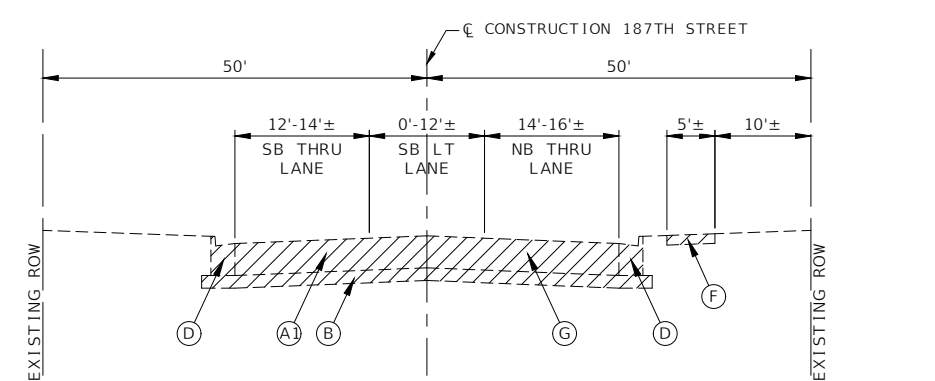
EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 9+87.38 TO STA 13+95.67
 *NO EXISTING CURB & GUTTER SOUTH OF STATION 12+09.11



EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 13+95.67 TO STA 15+74.32
 *MEDIAN ENDS AT STA 15+69.04



EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 15+74.32 TO STA 16+61.43



EXISTING TYPICAL SECTION
187TH STREET
STA 16+61.43 TO STA 19+00.00

- EXISTING LEGEND**
- (A1) EXISTING HMA PAVEMENT, 6" TO 14"
 - (A2) EXISTING HMA PAVEMENT, 7"±
 - (A3) EXISTING HMA PAVEMENT, 10" TO 15"
 - (B) EXISTING AGGREGATE BASE, 5" TO 12"
 - (C) EXISTING CONCRETE BASE, 8" TO 12"
 - (D) EXISTING CURB AND GUTTER
 - (E) EXISTING HMA PATH
 - (F) EXISTING SIDEWALK
 - (G) FULL DEPTH PAVEMENT REMOVAL PAID AS PAVEMENT REMOVAL
 - (H) FULL DEPTH PAVEMENT REMOVAL PAID AS EARTH EXCAVATION (SPECIAL)
 - (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - (J) EXISTING HMA MEDIAN
 - (K) EXISTING GUARDRAIL
 - [Hatched Box] ITEM TO BE REMOVED

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 9"
 - (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
 - (5) HOT-MIX ASPHALT SHOULDERS, 9"
 - (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (9) CONCRETE MEDIAN, TYPE SB-6.12
 - (10) PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 8" AT DRIVEWAYS ON AGGREGATE BASE COURSE, TYPE B, 4"
 - (11) TOPSOIL FURNISH AND PLACE, 4" WITH SODDING, SALT TOLERANT
 - (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (13) CLASS D PATCHES, 8 INCH
 - (14) PIPE UNDERDRAINS, TYPE 2, 4"

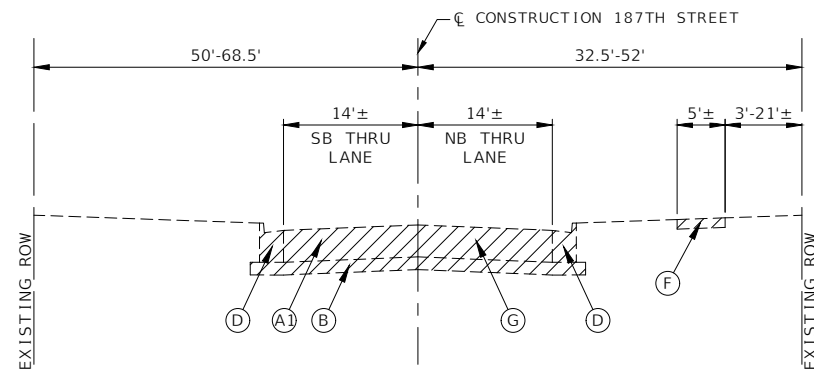
FILE NAME = 11558_02-TYPX-01 - IDOT P01

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- AG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

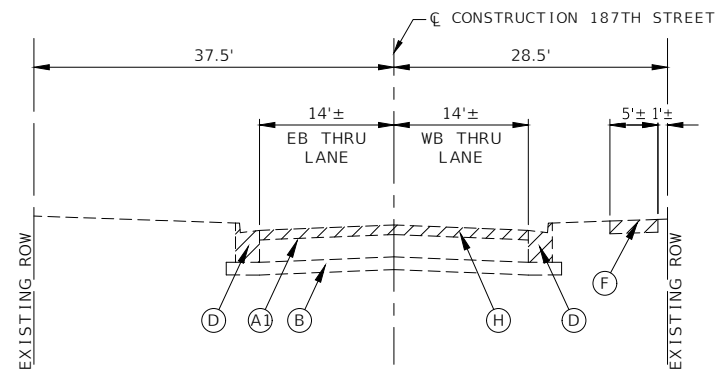
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION TYPICAL CROSS SECTIONS		
SCALE:	SHEET NO. 15 OF 125 SHEETS	STA. TO STA.

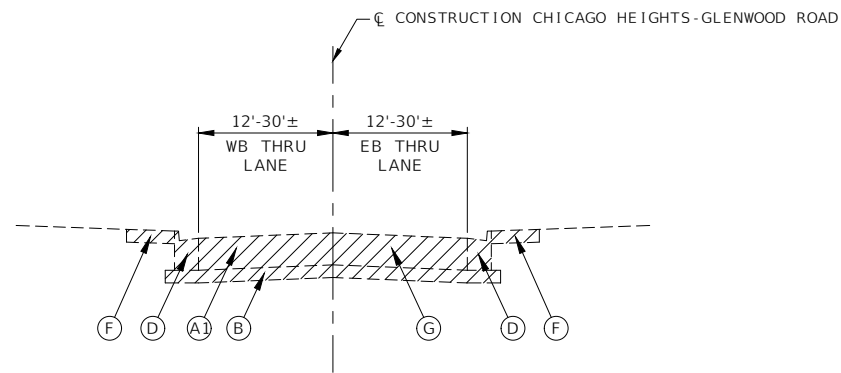
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	15
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



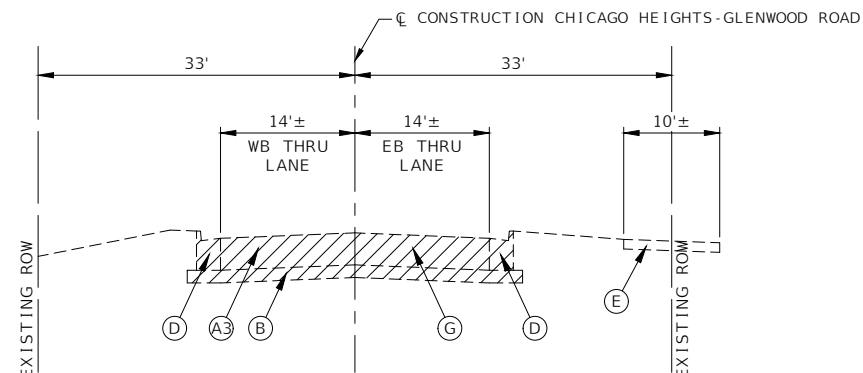
EXISTING TYPICAL SECTION
187TH STREET
STA 19+00.00 TO STA 26+36.00



EXISTING TYPICAL SECTION
187TH STREET
STA 32+87.00 TO STA 32+68.42



EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 29+53.19 TO STA 29+97.26



EXISTING TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 34+48.73 TO STA 40+69.34

EXISTING LEGEND

- (A1) EXISTING HMA PAVEMENT, 6" TO 14"
- (A2) EXISTING HMA PAVEMENT, 7"±
- (A3) EXISTING HMA PAVEMENT, 10" TO 15"
- (B) EXISTING AGGREGATE BASE, 5" TO 12"
- (C) EXISTING CONCRETE BASE, 8" TO 12"
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING HMA PATH
- (F) EXISTING SIDEWALK
- (G) FULL DEPTH PAVEMENT REMOVAL PAID AS PAVEMENT REMOVAL
- (H) FULL DEPTH PAVEMENT REMOVAL PAID AS EARTH EXCAVATION (SPECIAL)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (J) EXISTING HMA MEDIAN
- (K) EXISTING GUARDRAIL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

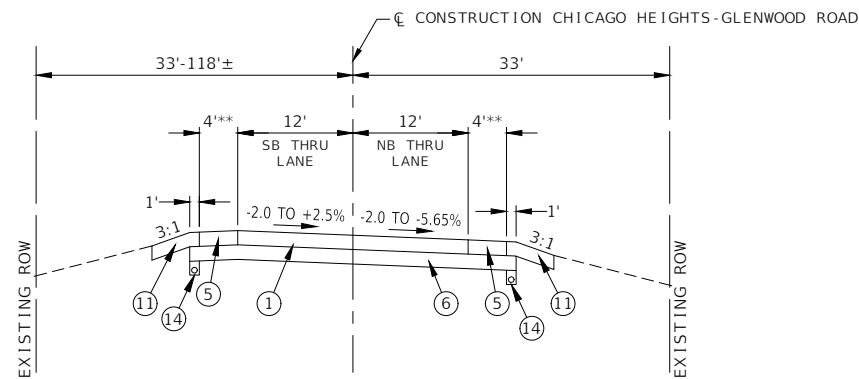
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 9"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
- (5) HOT-MIX ASPHALT SHOULDERS, 9"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) CONCRETE MEDIAN, TYPE SB-6.12
- (10) PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 8" AT DRIVEWAYS ON AGGREGATE BASE COURSE, TYPE B, 4"
- (11) TOPSOIL FURNISH AND PLACE, 4" WITH SODDING, SALT TOLERANT
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (13) CLASS D PATCHES, 8 INCH
- (14) PIPE UNDERDRAINS, TYPE 2, 4"

FILE NAME = 11558_02-TYPX-01 - IDOT P02	USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISIONS	
	PLOT SCALE =	DRAWN -- AG	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

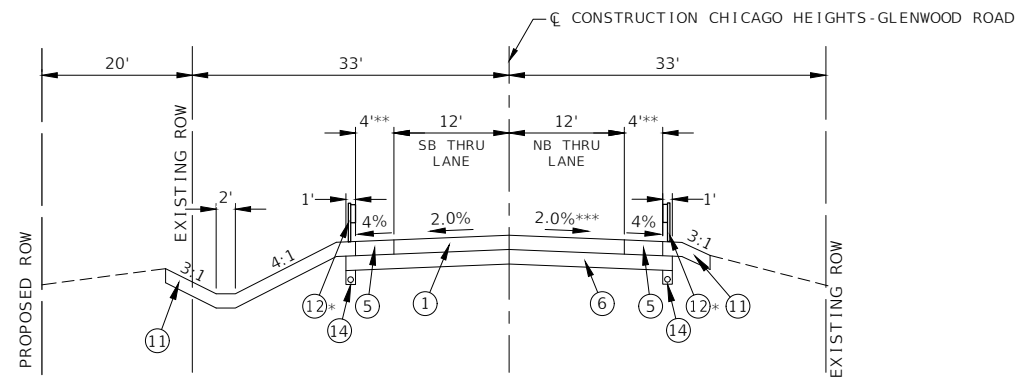
187TH STREET ROAD RECONSTRUCTION TYPICAL CROSS SECTIONS			
SCALE:	SHEET NO. 16 OF 125 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	16
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



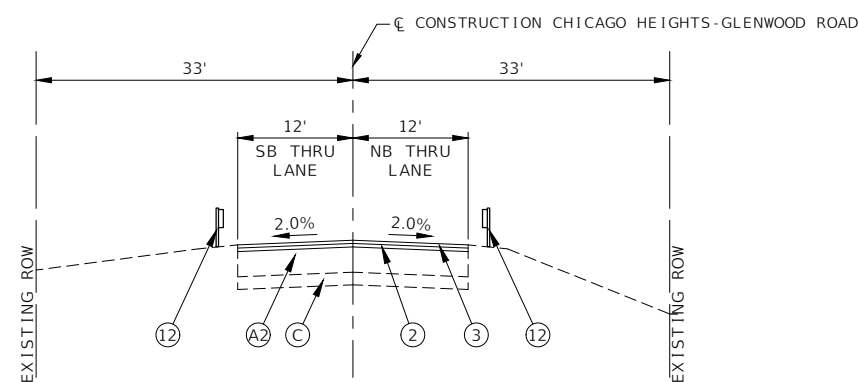
PROPOSED TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 1+88.25 TO STA 3+59.93

*SEE SUPER ELEVATION TRANSITION DETAILS
 **SHOULDER WIDTH TRANSITIONS:
 4' AT STA 3+58.28 TO 0' AT STA 4+22.28
 0' AT STA 5+94.08 TO 4' AT STA 6+58.08



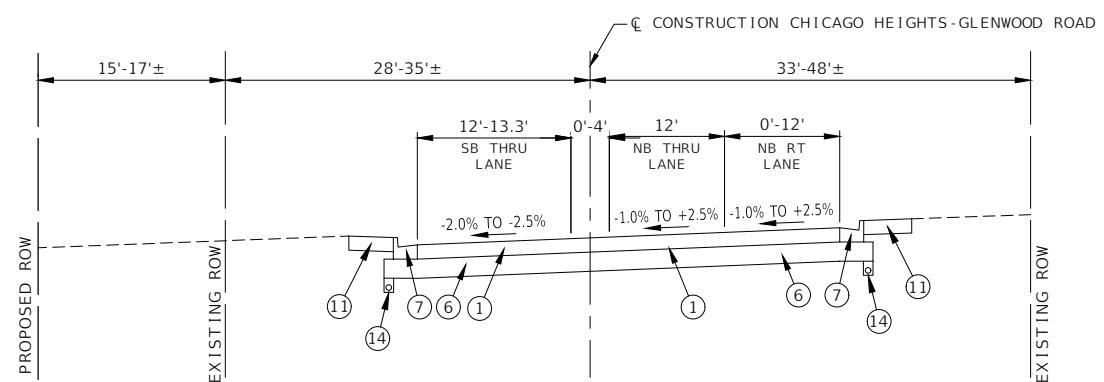
PROPOSED TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 3+59.93 TO STA 4+22.28
STA 5+94.08 TO STA 11+58.00

*SEE PLANS FOR LIMITS OF PROPOSED GUARDRAIL.
 **SHOULDER WIDTH TRANSITIONS:
 4' AT STA 3+58.28 TO 0' AT STA 4+22.28
 0' AT STA 5+94.08 TO 4' AT STA 6+58.08
 ***SUPER ELEVATION STARTS AT STA 11+35.02.
 SEE SUPER ELEVATION TRANSITION DETAILS



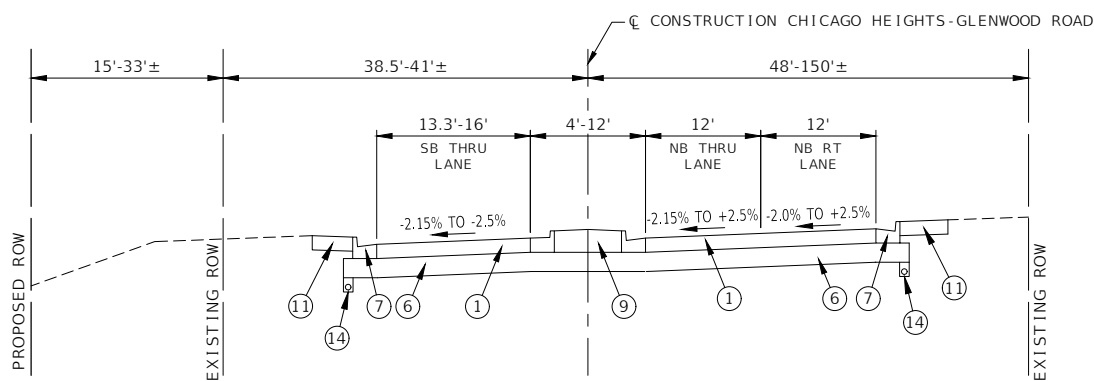
PROPOSED TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 4+22.28 TO STA 5+94.08
(BRIDGE OMISSION STA 4+72.28 TO STA 5+44.08)

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE BINDER COURSE



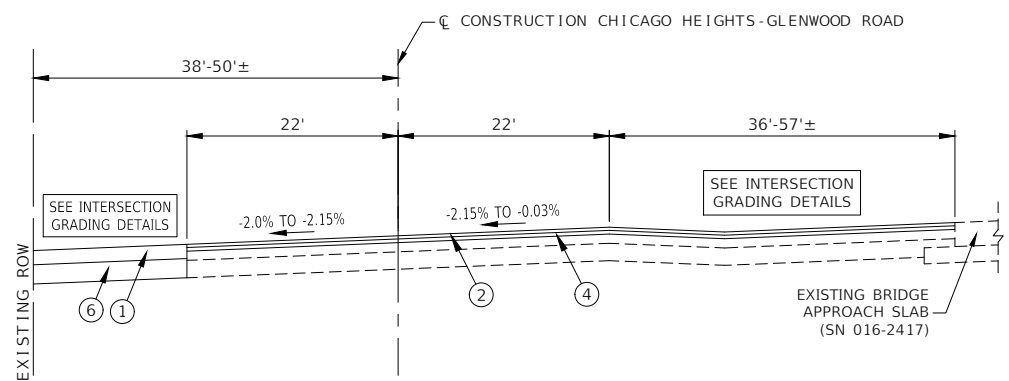
PROPOSED TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 11+58.00 TO STA 13+36.28

*SEE SUPER ELEVATION TRANSITION DETAILS



PROPOSED TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 13+36.28 TO STA 15+74.32

*SEE SUPER ELEVATION TRANSITION DETAILS



PROPOSED TYPICAL SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 15+74.32 TO STA 16+61.43

*SEE SUPER ELEVATION TRANSITION DETAILS

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE BINDER COURSE

EXISTING LEGEND

- (A1) EXISTING HMA PAVEMENT, 6" TO 14"
- (A2) EXISTING HMA PAVEMENT, 7"±
- (A3) EXISTING HMA PAVEMENT, 10" TO 15"
- (B) EXISTING AGGREGATE BASE, 5" TO 12"
- (C) EXISTING CONCRETE BASE, 8" TO 12"
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING HMA PATH
- (F) EXISTING SIDEWALK
- (G) FULL DEPTH PAVEMENT REMOVAL PAID AS PAVEMENT REMOVAL
- (H) FULL DEPTH PAVEMENT REMOVAL PAID AS EARTH EXCAVATION (SPECIAL)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (J) EXISTING HMA MEDIAN
- (K) EXISTING GUARDRAIL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 9"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
- (5) HOT-MIX ASPHALT SHOULDERS, 9"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) CONCRETE MEDIAN, TYPE SB-6.12
- (10) PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 8" AT DRIVEWAYS ON AGGREGATE BASE COURSE, TYPE B, 4"
- (11) TOPSOIL FURNISH AND PLACE, 4" WITH SODDING, SALT TOLERANT
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (13) CLASS D PATCHES, 8 INCH
- (14) PIPE UNDERDRAINS, TYPE 2, 4"

NOTE:

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE LAST LIFT OF HMA BINDER COURSE.
2. SEE PIPE UNDERDRAINS SCHEDULE FOR LIMITS OF PROPOSED UNDERDRAINS.

FILE NAME = 11558_02-TYPX-01 - IDOT P03

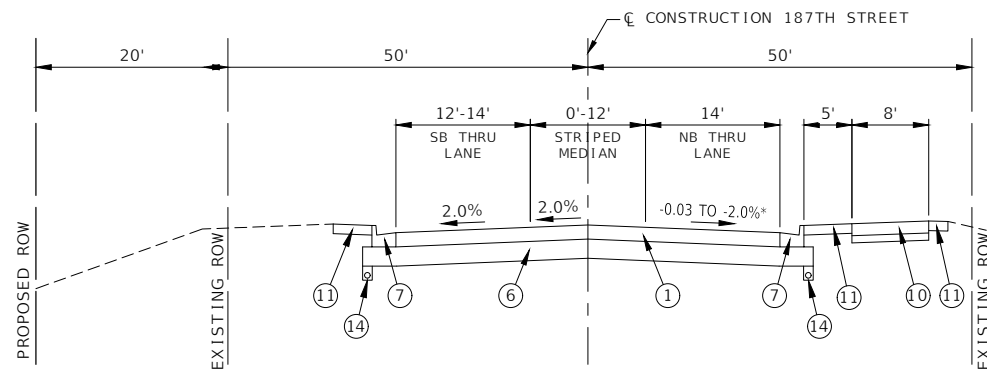
USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- AG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

187TH STREET
 ROAD RECONSTRUCTION
 TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 17 OF 125 SHEETS STA. TO STA.

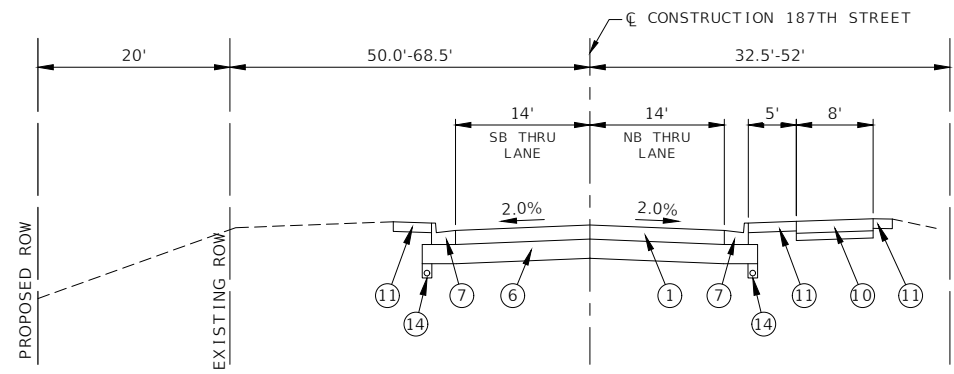
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	17
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



PROPOSED TYPICAL SECTION

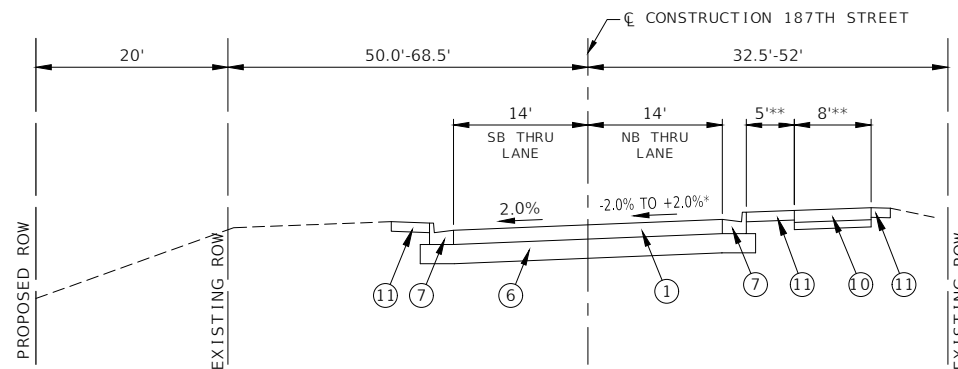
187TH STREET
STA 16+61.43 TO STA 21+05.73

*SEE SUPER ELEVATION TRANSITION DETAILS



PROPOSED TYPICAL SECTION

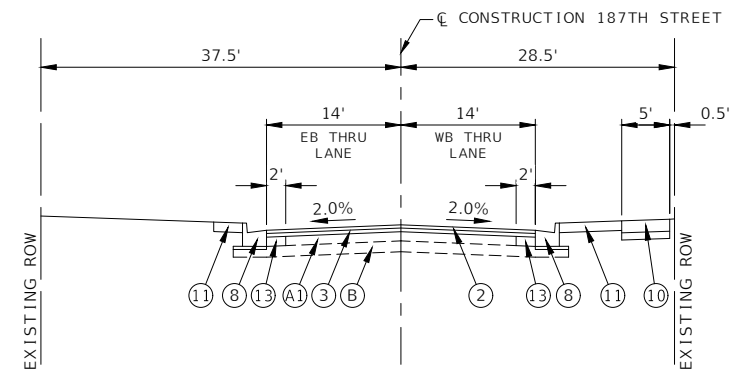
187TH STREET
STA 21+05.73 TO STA 21+25.14



PROPOSED TYPICAL SECTION

187TH STREET
STA 21+25.14 TO STA 26+36.00

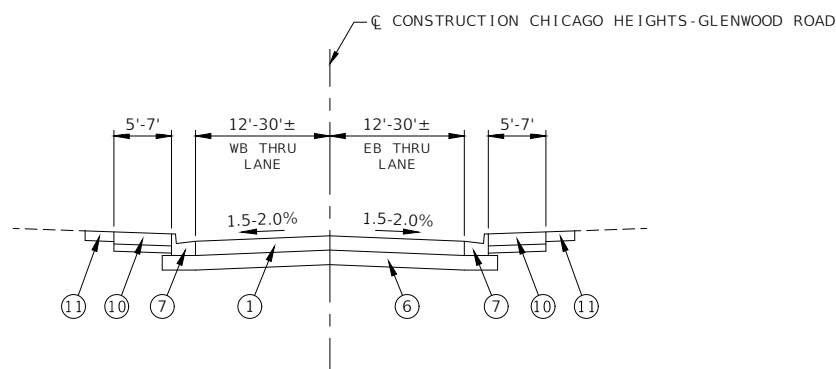
*SEE SUPER ELEVATION TRANSITION DETAILS
**SIDEWALK TRANSITIONS TO 5' AND PARKWAY TRANSITIONS TO 6.5' NORTH OF STA 24+42



PROPOSED TYPICAL SECTION

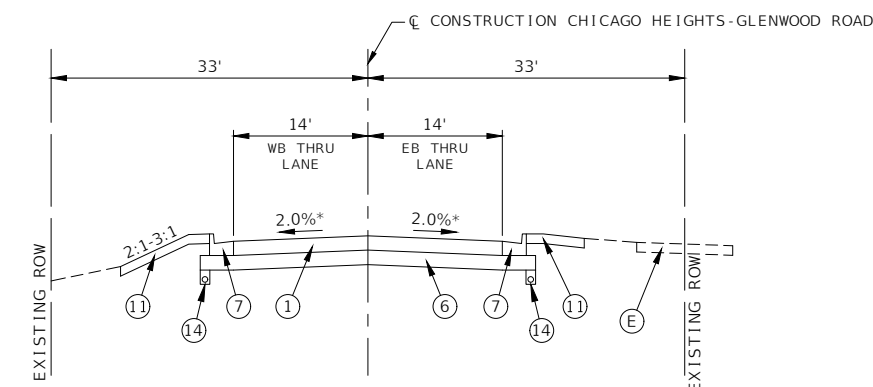
187TH STREET
STA 30+87.00 TO STA 32+68.42

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE BINDER COURSE



PROPOSED TYPICAL SECTION

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 29+53.19 TO STA 29+97.26



PROPOSED TYPICAL SECTION

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 34+48.73 TO STA 40+69.34

*CROWN TRANSITION AT EAST PROJECT LIMITS
2.0% AT STA 40+00 TO MEET EXIST AT STA 40+69.34

EXISTING LEGEND

- (A1) EXISTING HMA PAVEMENT, 6" TO 14"
- (A2) EXISTING HMA PAVEMENT, 7"±
- (A3) EXISTING HMA PAVEMENT, 10" TO 15"
- (B) EXISTING AGGREGATE BASE, 5" TO 12"
- (C) EXISTING CONCRETE BASE, 8" TO 12"
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING HMA PATH
- (F) EXISTING SIDEWALK
- (G) FULL DEPTH PAVEMENT REMOVAL PAID AS PAVEMENT REMOVAL
- (H) FULL DEPTH PAVEMENT REMOVAL PAID AS EARTH EXCAVATION (SPECIAL)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (J) EXISTING HMA MEDIAN
- (K) EXISTING GUARDRAIL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 9"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
- (5) HOT-MIX ASPHALT SHOULDERS, 9"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) CONCRETE MEDIAN, TYPE SB-6.12
- (10) PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 8" AT DRIVEWAYS ON AGGREGATE BASE COURSE, TYPE B, 4"
- (11) TOPSOIL FURNISH AND PLACE, 4" WITH SODDING, SALT TOLERANT
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (13) CLASS D PATCHES, 8 INCH
- (14) PIPE UNDERDRAINS, TYPE 2, 4"

NOTE:

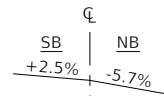
1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE LAST LIFT OF HMA BINDER COURSE.
2. SEE PIPE UNDERDRAINS SCHEDULE FOR LIMITS OF PROPOSED UNDERDRAINS.

FILE NAME = 11558_02-TYPX-01 - IDOT P04	USER NAME =	DESIGNED -- PS	REVISED --
		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- AG	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION TYPICAL CROSS SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		1624	11-00052-00-CH	COOK	125	18
SHEET NO. 18 OF 125 SHEETS		STA. TO STA.		CONTRACT NO. 61K48		
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	

**CHICAGO HEIGHTS GLENWOOD ROAD
SUPER ELEVATION TRANSITION DETAILS:
STA 1+88.25 TO STA 3+59.93**



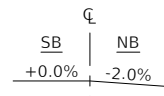
STA 1+88.25 (MEET EXISTING)



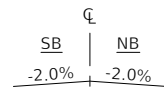
STA 2+55.00



STA 2+69.93 (REVERSE CROWN)

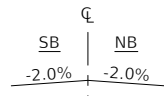


STA 2+69.93 (LEVEL CROWN)

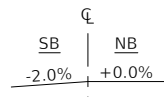


STA 3+59.93 (NORMAL CROWN)

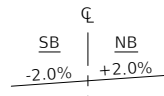
**CHICAGO HEIGHTS GLENWOOD ROAD
SUPER ELEVATION TRANSITION DETAILS:
STA 11+35.02 TO STA 12+35.02**



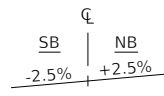
STA 11+35.02 (NORMAL CROWN)



STA 11+80.02 (LEVEL CROWN)

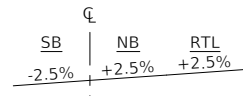


STA 12+25.02 (REVERSE CROWN)

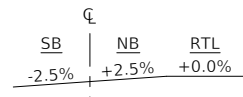


STA 12+35.02 (FULL SE)

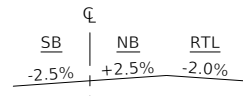
**CHICAGO HEIGHTS GLENWOOD ROAD
RIGHT TURN LANE SUPER ELEVATION TRANSITION DETAILS:
STA 14+27.00 TO STA 15+27.07**



STA 14+27.00 (FULL SE)

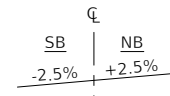


STA 14+82.55 (LEVEL CROWN)

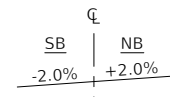


STA 15+27.07 (NORMAL CROWN)

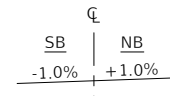
**CHICAGO HEIGHTS GLENWOOD ROAD / 187TH STREET
SUPER ELEVATION TRANSITION DETAILS:
STA 15+60.28 TO STA 17+35.28**



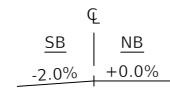
STA 15+60.28 (FULL SE)



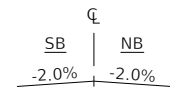
STA 15+80.28 (REVERSE CROWN)



STA 16+20.28

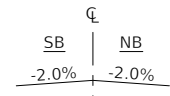


STA 16+60.28 (LEVEL CROWN)

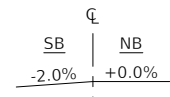


STA 17+35.28 (NORMAL CROWN)

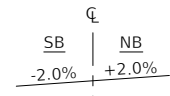
**187TH STREET
SUPER ELEVATION TRANSITION DETAILS:
STA 21+25.14 TO STA 22+15.14**



STA 21+25.14 (NORMAL CROWN)



STA 21+70.14 (LEVEL CROWN)



STA 22+15.14 (FULL SE)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RECONSTRUCTION, HMA PAVEMENT (FULL DEPTH), 9"		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70, 7"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT SHOULDERS, 9"		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70, 7"	4% @ 70 Gyr.	LR 1030-2
ROADWAY RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70, 2-1/4"	4% @ 70 Gyr.	LR 1030-2
ROADWAY RESURFACING, VARIABLE DEPTH (INTERSECTION)		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70 2"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70, 2-1/4" TO 8"±	4% @ 70 Gyr.	LR 1030-2
HMA DRIVEWAY PAVEMENT, 8"		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50, 6"	4% @ 50 Gyr.	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER 1L-19mm), 8 INCH	4% @ 70 Gyr.	LR 1030-2
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50, 7"	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE IS 112 LBS/SQ/IN.
2. ALL PATCHING OPERATIONS SHALL TAKE PLACE AFTER SURFACE MILLING HAS BEEN COMPLETED.
3. 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.
4. PCC TEMPORARY PAVEMENT SHALL CONSIST OF 9" OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARDS AND SPECIFICATION. TEMP PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

FILE NAME = 11558_02-TYPX-01 - IDOT P05

USER NAME =	DESIGNED -- PS	REVISD --
	CHECKED -- JDH	REVISD --
PLOT SCALE =	DRAWN -- AG	REVISD --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISD --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION TYPICAL CROSS SECTIONS		
SCALE:	SHEET NO. 19 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	19
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

SIGN REMOVALS									
LOCATION		TYPE & SIZE				PAY ITEMS			
Sta	Offset	TYPE	Width (FT)	Length (FT)	AREA (SF)	72400100	72400200	72400310	72400320
						REMOVE SIGN PANEL ASSEMBLY - TYPE A (EACH)	REMOVE SIGN PANEL ASSEMBLY - TYPE B (EACH)	REMOVE SIGN PANEL - TYPE 1 (SQ FT)	REMOVE SIGN PANEL - TYPE 2 (SQ FT)
187TH STREET									
016+60	RT	WEIGHT LIMIT	2	2.5	5.00			5.00	
016+72	LT	NO TRUCK ACCESS	2	2.5	5.00			10	
		WEIGHT LIMIT	2	2.5	5.00				
018+02	LT	BRIDGE WEIGHT LIMIT	4	3	12.00				
		ARROW	2.5	2	5.00			11	
		STREET DIRECTIONS	3	2	6.00				12
019+73	LT	NO PARKING ANY TIME	1	1.5	1.50			1.50	
021+40	RT	NO PARKING ANY TIME	1	1.5	1.50		1		
		SPEED 25	2	2.5	5.00				
021+62	LT	NO PARKING ANY TIME	1	1.5	1.50			6.50	
		SPEED 25	2	2.5	5.00				
023+32	LT	BRIDGE WEIGHT LIMIT	4	3	12.00				12.00
		ARROW	1.5	2	3.00			3.00	
026+35	LT	NO PARKING ANY TIME	1	1.5	1.50			1.50	
026+56	RT	NO PARKING ANY TIME	1	1.5	1.50			1.50	
029+86	RT	STOP AHEAD	2.5	2.5	6.25	1			
029+90	LT	NO PARKING ANY TIME	1	1.5	1.50			6.50	
		SPEED 25	2	2.5	5.00				
032+06	RT	STOP	2.5	2.5	6.25	1			
CHICAGO HEIGHTS-GLENWOOD ROAD (EAST LEG)									
032+08	LT	WEIGHT LIMIT	2.5	3	7.50	1			
033+04	LT	STREET DIRECTIONS	6	3	18.00		1		
033+62	LT	BRIDGE WEIGHT LIMIT	4	3	12.00		1		
034+12	LT	BEGIN RIGHT TURN LANE	2	3	6.00	1			
035+99	LT	T-SYMBOL	2.5	2.5	6.25	1			
036+88	RT	NO PARKING ANY TIME	1	1.5	1.50			1.50	
041+10	RT	T-SYMBOL	2.5	2.5	6.25			6.25	
041+11	LT	BIKE CROSSING	2.5	2.5	6.25	1			
		ARROW	2	1	2.00				
CHICAGO HEIGHTS-GLENWOOD ROAD (SOUTH LEG)									
001+73	RT	NARROW BRIDGE	2.5	2.5	6.25	1			
009+27	RT	STREET DIRECTIONS	6	3	18.00		1		
010+11	LT	NARROW BRIDGE	2.5	2.5	6.25	1			
010+28	RT	BRIDGE WEIGHT LIMIT	4	3	12.00				12.00
		ARROW	1.5	2	3.00			3.00	
012+26	LT	SPEED 30	2	2.5	5.00			5.00	
013+75	LT	DEER	2.5	2.5	6.25			6.25	
014+56	RT	BRIDGE WEIGHT LIMIT	4	3	12.00		1		
		ARROW	1.5	2	3.00				
015+71	RT	BRIDGE WEIGHT LIMIT	4	3	12.00		1		
015+25	LT	WEIGHT LIMIT	2	2.5	5.00			5.00	
TOTAL						9	5	69	36.0

SIGNS & SUPPORTS									
LOCATION		TYPE & SIZE				PAY ITEMS			
Sta	Offset	TYPE	Width (FT)	Height (FT)	AREA (SF)	72000100	72000200	72800100	73000100
						SIGN PANEL - TYPE 1 (SQ FT)	SIGN PANEL - TYPE 2 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FT)	WOOD SIGN SUPPORT (FT)
187TH STREET									
16+60	RT	WEIGHT LIMIT	2	2.5	5.00	5.00			
18+02	LT	STREET DIRECTIONS	3	2	6.00	6.00			
19+73	LT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
19+76	RT	CURVE AHEAD	2.5	2.5	6.25	6.25		15.5	
21+40	RT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
		SPEED 25	2	2.5	5.00	5.00			
21+62	LT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
		SPEED 25	2	2.5	5.00	5.00			
26+35	LT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
26+56	RT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
28+00	LT	ARROW SLIGHT RIGHT	2.5	2.5	6.25	6.25			
29+86	RT	STOP AHEAD	2.5	2.5	6.25	6.25		15.5	
29+90	LT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
		SPEED 25	2	2.5	5.00	5.00			
32+03	RT	STOP	2.5	2.5	6.25	6.25		15.5	
		ALL WAY	1.5	0.5	0.75	0.75			
CHICAGO HEIGHTS-GLENWOOD ROAD (EAST LEG)									
32+08	LT	WEIGHT LIMIT	2.5	3	7.50	7.50		15.5	
33+04	LT	STREET DIRECTIONS	6	3	18.00		18		31
34+12	LT	BEGIN RIGHT TURN LANE	2	3	6.00	6.00		15.5	
34+41	RT	PEDESTRIAN CROSSING	2.5	2.5	6.25	6.25			
		ARROW	2	1	2.00	2.00		15.5	
34+71	LT	PEDESTRIAN CROSSING	2.5	2.5	6.25	6.25			
		ARROW	2	1	2.00	2.00		15.5	
36+88	RT	NO PARKING ANY TIME	1	1.5	1.50	1.50			
41+10	RT	T-SYMBOL	2.5	2.5	6.25	6.25			
41+11	LT	BIKE CROSSING	2.5	2.5	6.25	6.25			
		ARROW	2	1	2.00	2.00		15.5	
CHICAGO HEIGHTS-GLENWOOD ROAD (SOUTH LEG)									
1+73	RT	NARROW BRIDGE	2.5	2.5	6.25	6.25		15.5	
9+27	RT	STREET DIRECTIONS	6	3	18.00		18		31
10+11	LT	NARROW BRIDGE	2.5	2.5	6.25	6.25		15.5	
12+26	LT	SPEED 30	2	2.5	5.00	5.00			
13+75	LT	DEER	2.5	2.5	6.25	6.25			
15+25	LT	WEIGHT LIMIT	2	2.5	5.00	5.00			
TOTAL						131	36	171	62

PORTLAND CEMENT CONCRETE SIDEWALKS						
LOCATION		VILLAGE OF GLENWOOD				
From Sta.	To Sta.	Offset	42400200	35101600	42400410	42400800
			PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SQ FT)	AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (SQ FT)	DETECTABLE WARNINGS (SQ FT)
187TH STREET						
15+20	15+74	RT	408	45		12
16+37	24+37	RT	6700	744		13
24+37	25+97	RT		79	710	
25+97	26+67	RT	387	43		
30+55	32+21	RT	875	97		14
32+57	32+77	RT	174	19		14
CHICAGO HEIGHTS - GLENWOOD ROAD						
29+53	29+88	RT	302	34		25
29+53	30+00	LT	417	46		25
TOTAL			9263	1108	710	103

SHOULDER				
LOCATION		AREA		48203033
Sta. From	Sta. To	Offset	SQ FT	HOT-MIX ASPHALT SHOULDERS, 9" (SQ YD)
CHICAGO HEIGHTS - GLENWOOD ROAD (SOUTH LEG)				
01+88	04+22	RT	805	89
01+88	04+22	LT	811	90
05+94	11+58	RT	2123	236
05+94	11+58	LT	2124	236
TOTALS				651

CURB & MEDIAN							
LOCATION			60600605	60605000	60604400	60603800	60619600
Sta. From	Sta. To	Offset	CONCRETE CURB, TYPE B (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	CONCRETE MEDIAN, TYPE SB-6.12 (SQ FT)
CHICAGO HEIGHTS-GLENWOOD ROAD (SOUTH LEG)							
11+42.38	15+10.39	RT		382			
15+10.39	15+71.45	RT			72		
11+42.52	15+41.45	LT		388			
13+36.28	15+50.73	RT/LT					1768
187TH STREET (NORTH LEG)							
16+46.94	16+70.74	RT			42		
16+61.43	26+36.00	LT		956			
16+70.74	26+36.00	RT		984			
24+37.00	24+43.00	RT	9				
24+69.00	25+05.00	RT	54				
25+33.00	25+67.00	RT	50				
25+91.00	25+97.00	RT	9				
30+87.00	32+23.77	RT					141
30+87.00	31+96.56	LT					110
32+54.11	32+68.42	RT					19
CHICAGO HEIGHTS - GLENWOOD ROAD (WEST LEG / EAST LEG)							
29+53.19	29+90.06	RT		59			
29+53.19	30+03.32	LT		75			
34+48.73	40+69.34	RT		618			
34+48.73	40+69.34	LT		624			
TOTALS			122	4086	114	270	1768

FILE NAME = 11558_02-SCHD-01 - P01

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SCHEDULE OF QUANTITIES		
SCALE: NONE	SHEET NO. 20 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	20
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

HOT-MIX ASPHALT										
LOCATION			AREA	40600275	40600290	40603085	40604062	40701861		
Sta. From	Sta. To	Offset	SQ FT	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (TON)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" (SQ YD)		
CHICAGO HEIGHTS-GLENWOOD ROAD (SOUTH LEG)										
01+88.25	04+22.28	RT/LT	5617	1404.3	280.9		16.8	14.9	624.1	
04+22.28	04+72.28	RT/LT	1200	0.0	90.0					
05+44.09	05+94.08	RT/LT	1200	0.0	90.0	16.8	14.9			
05+94.08	15+74.32	RT/LT	29337	7334.3	1466.9			3259.7		
187TH STREET (NORTH LEG)										
15+74.33	16+61.43	RT/LT	7113	0.0	533.5	177.0	88.5			
16+61.43	26+36.00	RT/LT	32060	8015.0	1603.0			3562.2		
30+87.00	32+68.42	RT/LT	5773	0.0	433.0	80.8	71.8			
CHICAGO HEIGHTS-GLENWOOD ROAD (WEST LEG / EAST LEG)										
29+53.19	29+97.26	RT/LT	1746	436.5	87.3			194.0		
34+48.73	40+69.34	RT/LT	17377	4344.3	868.9			1930.8		
TOTALS				21534	5454	291	190	9571		
***SEE DRIVEWAY & SHOULDER SCHEDULES FOR ADDITIONAL HMA QUANTITY										

LANDSCAPING												
LOCATION			AREA	21101615	25000400	25000600	X2501821	X2502024	X2511630	25200110	28000250	28001100
Sta. From	Sta. To	Offset	SQ FT	TOPSOIL FURNISH AND PLACE, 4" (SQ YD)	NITROGEN FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	SEEDING, CLASS 5B (MODIFIED) (ACRE)	SEEDING, CLASS 4B (MODIFIED) (ACRE)	EROSION CONTROL BLANKET (SPECIAL) (SQ YD)	SODDING, SALT TOLERANT (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)	TEMPORARY EROSION CONTROL BLANKET (SQ YD)
CHICAGO HEIGHTS - GLENWOOD ROAD (SOUTH LEG)												
1+88	4+72	RT	5460	606.7	7.5	7.5				606.7	12.5	606.7
1+88	4+72	LT	5215	579.4	7.2	7.2				579.4	12.0	579.4
4+28	4+73	LT	740	82.2			0.017	0.017	82.2		1.7	82.2
4+28	4+73	RT	545	60.6			0.013	0.013	60.6		1.3	60.6
5+44	15+84	RT	28785	3198.3	39.6	39.6				3198.3	66.1	3198.3
5+44	6+07	LT	980	108.9			0.022	0.022	108.9		2.2	108.9
5+44	6+07	RT	1110	123.3			0.025	0.025	123.3		2.5	123.3
5+94	15+72	LT	20515	2279.4	28.3	28.3				2279.4	47.1	2279.4
187TH STREET (NORTH LEG)												
16+13	26+36	LT	32335	3592.8	44.5	44.5				3592.8	74.2	3592.8
16+37	26+67	RT	22595	2510.6	31.1	31.1				2510.6	51.9	2510.6
30+55	32+77	RT	1360	151.1	1.9	1.9				151.1	3.1	151.1
30+87	31+97	LT	515	57.2	0.7	0.7				57.2	1.2	57.2
CHICAGO HEIGHTS - GLENWOOD ROAD (EAST LEG)												
34+49	40+69	LT	10230	1136.7	14.1	14.1				1136.7	23.5	1136.7
36+14	36+96	LT	355	39.4			0.008	0.008	39.4		0.8	39.4
34+61	40+69	RT	9910	1101.1	13.7	13.7				1101.1	22.8	1101.1
TOTALS				15628	189	189	0.09	0.09	414	15213	323	15628

NOTE:
ACCORDING TO BDE MANUAL (FIGURE 64-1.A) SEEDING ROUNDED UP TO THE NEAREST 0.25 ACRE INCREMENT.

PIPE UNDERDRAINS					
LOCATION			LENGTH	60108204	60100060
Sta. From	Sta. To	Offset	FOOT	PIPE UNDERDRAINS, TYPE 2, 4" (FOOT)	CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)
CHICAGO HEIGHTS - GLENWOOD ROAD (SOUTH LEG)					
1+90.00	4+00.00	LT	210	210	
4+00.00	4+00.00	LT		10	1
1+90.00	4+00.00	RT	210	210	
4+00.00	4+00.00	RT		18	1
6+00.00	15+67.77	RT	968	968	
10+50.00	11+50.00	LT	100	100	
10+83.58	10+83.58	LT/RT	32	32	
13+00.00	15+41.98	LT	242	242	
187TH STREET (NORTH LEG)					
16+62.00	16+93.00	LT	31	31	
16+62.00	16+93.00	RT	31	31	
16+93.00	18+95.00	LT	202	202	
16+93.00	18+95.00	RT	202	202	
18+95.00	20+00.00	LT	105	105	
18+95.00	20+00.00	RT	105	105	
20+00.00	21+07.73	LT	108	108	
20+00.00	21+07.73	RT	108	108	
21+07.73	21+67.67	LT	60	60	
21+07.73	21+70.14	RT	62	62	
21+67.67	23+80.00	LT	212	212	
23+80.00	25+21.00	LT	141	141	
25+21.00	26+00.00	LT	79	79	
26+19.52	26+35.00	LT	15	15	
CHICAGO HEIGHTS - GLENWOOD ROAD (EAST LEG)					
34+50.00	36+51.00	LT	201	201	
34+50.00	36+44.00	RT	194	194	
36+51.00	37+11.62	LT	61	61	
36+44.00	37+11.62	RT	68	68	
37+11.62	38+38.00	LT	126	126	
37+11.62	38+38.00	RT	126	126	
40+44.00	40+68.00	LT	24	24	
40+44.00	40+68.00	RT	24	24	
TOTALS				4075	2

TREE REMOVAL					
LOCATION		20100210	20100500		
Sta./Sta. From	Offset/Sta. To	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES		
CHICAGO HEIGHTS-GLENWOOD ROAD (SOUTH LEG)					
2+26	25'	RT	26		
8+16	10+00	RT		0.019	
10+00	11+00	RT		0.009	
12+50	14+00	RT		0.016	
CHICAGO HEIGHTS-GLENWOOD ROAD (EAST LEG)					
34+80	36+00	LT		0.020	
36+00	3660	LT		0.007	
TOTALS			26	0.07	

NOTE:
ACCORDING TO BDE MANUAL (FIGURE 64-1.A) TREE REMOVAL ROUNDED UP TO THE NEAREST 0.25 ACRE INCREMENT.

DRIVEWAYS					
TYPE	LOCATION		S1		
	Sta.	Offset	44000200	35101600	Z0004530
187TH STREET (NORTH LEG)					
CE	24+56	RT	132	82	82
CE	25+20	RT	141	94	94
CE	25+79	RT	86	70	70
CE	26+00	LT	249	247	247
TOTALS			608	493	493

EARTHWORK QUANTITY SUMMARY		
ITEM CODE	PAY ITEM	CU YD
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	1040
20400800	FURNISHED EXCAVATION	410
30300001	AGGREGATE SUBGRADE IMPROVEMENT	1040
X2020410	EARTH EXCAVATION (SPECIAL)	4290

GUARDRAIL											
LOCATION			LENGTH	63100075	63000001	63100167	72501000	63200310	78200005		
Sta. From	Sta. To	Offset	FOOT	TRAFFIC BARRIER TERMINAL, TYPE 5A (EACH)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TERMINAL MARKER - DIRECT APPLIED (EACH)	GUARDRAIL REMOVAL (FOOT)	GUARDRAIL REFLECTORS, TYPE A (EACH)		
CHICAGO HEIGHTS - GLENWOOD ROAD (SOUTH LEG)											
3+24.60	4+75.30	RT	150.70	1	87.50	1	1		2		
3+60.00	4+75.30	RT	115.30					116.00			
3+61.90	4+75.10	LT	113.20	1	50.00	1	1		2		
0+50.00	4+75.10	LT	425.10					426.00			
5+40.90	6+41.60	RT	100.70	1	37.50	1	1		2		
5+40.90	6+22.00	RT	81.10					82.00			
5+41.00	6+91.70	LT	150.70	1	87.50	1	1		2		
5+41.00	6+81.00	LT	140.00					140.00			
11+81.00	13+76.00	RT	195.00					195.00			
TOTALS				4	263	4	4	959	8		

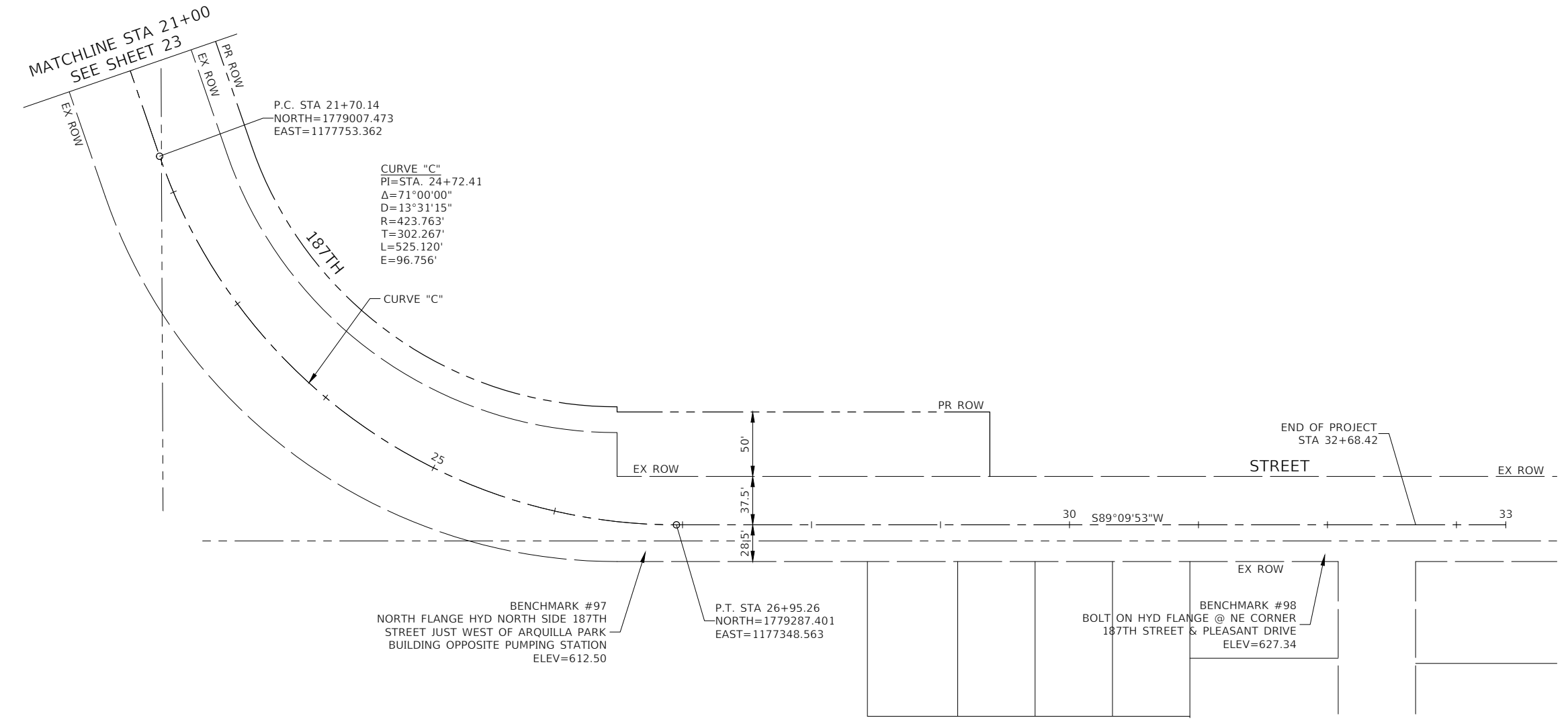
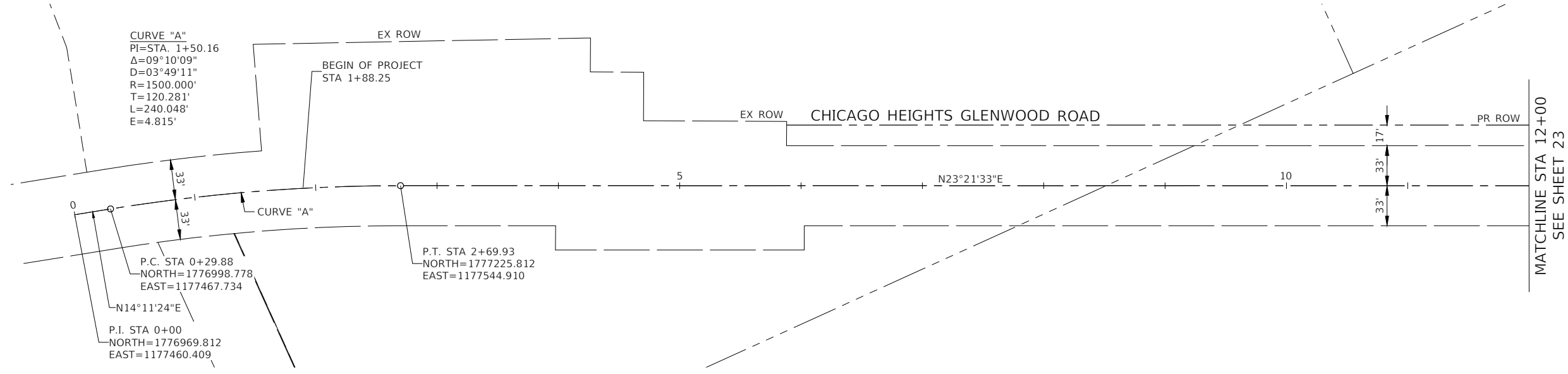
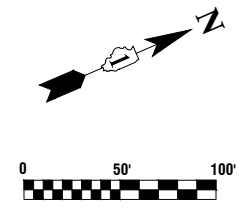
EARTHWORK										
LOCATION / STAGE			LENGTH	CUT (CY)	PAVED PER SY - EXCLUDED FROM EARTHWORK AREAS ON CROSS-SECTION	FILL (CY)	FILL (CY) ADJUSTED (+15%)	FURNISHED EXCAVATION (CY) If Negative, then Zero	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (CY) TBD IN FIELD, ESTIMATED AT 25% OF PAVEMENT AREA	AGGREGATE SUBGRADE IMPROVEMENT (CY)
CHICAGO HEIGHTS-GLENWOOD ROAD (EAST LEG)										
STAGE 1 & 2	34+49	40+69	RT/LT	228	0	554	637	409	210	210
187TH STREET (NORTH LEG)										
STAGE 3 & 4	16+61	26+36	RT/LT	2,221	0	5	6	-2,215	370	370
CHICAGO HEIGHTS-GLENWOOD ROAD (SOUTH LEG)										
STAGE 5	01+88	04+22	RT/LT	110	0	6	7	-103	460	460
STAGE 5	05+94	15+74	RT/LT	1,731	0	33	38	-1,693		
STAGE 1 & 2 TOTAL				228	0	554	637	409	1,040	1,040
STAGE 3 & 4 TOTAL				2,221	0	5	6	0		
STAGE 5 TOTAL				1,841	0	39	45	0		
TOTALS				4290	0	598	688	410	1040	1040

FILE NAME = 11588_02-SCHD-01 - P02

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SCHEDULE OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE				SHEET NO. 21	OF 125 SHEETS	STA.	TO STA.	
				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



BENCHMARKS

- BENCHMARK #28
ARROW ON HYDRANT @ NE CORNER SCIENCE ROAD & CHICAGO HEIGHTS GLENWOOD ROAD
ELEV=624.21
- BENCHMARK #97
NORTH FLANGE HYD NORTH SIDE 187TH STREET JUST WEST OF ARQUILLA PARK BUILDING OPPOSITE PUMPING STATION
ELEV=612.50
- BENCHMARK #98
BOLT ON HYD FLANGE @ NE CORNER 187TH STREET & PLEASANT DRIVE
ELEV=627.34
- BENCHMARK #162
CHISELED SQUARE ON TOP OF UPSTREAM LEFT WING WALL OF MAIN STREET BRIDGE OVER THORN CREEK
ELEV=613.18



NOTES

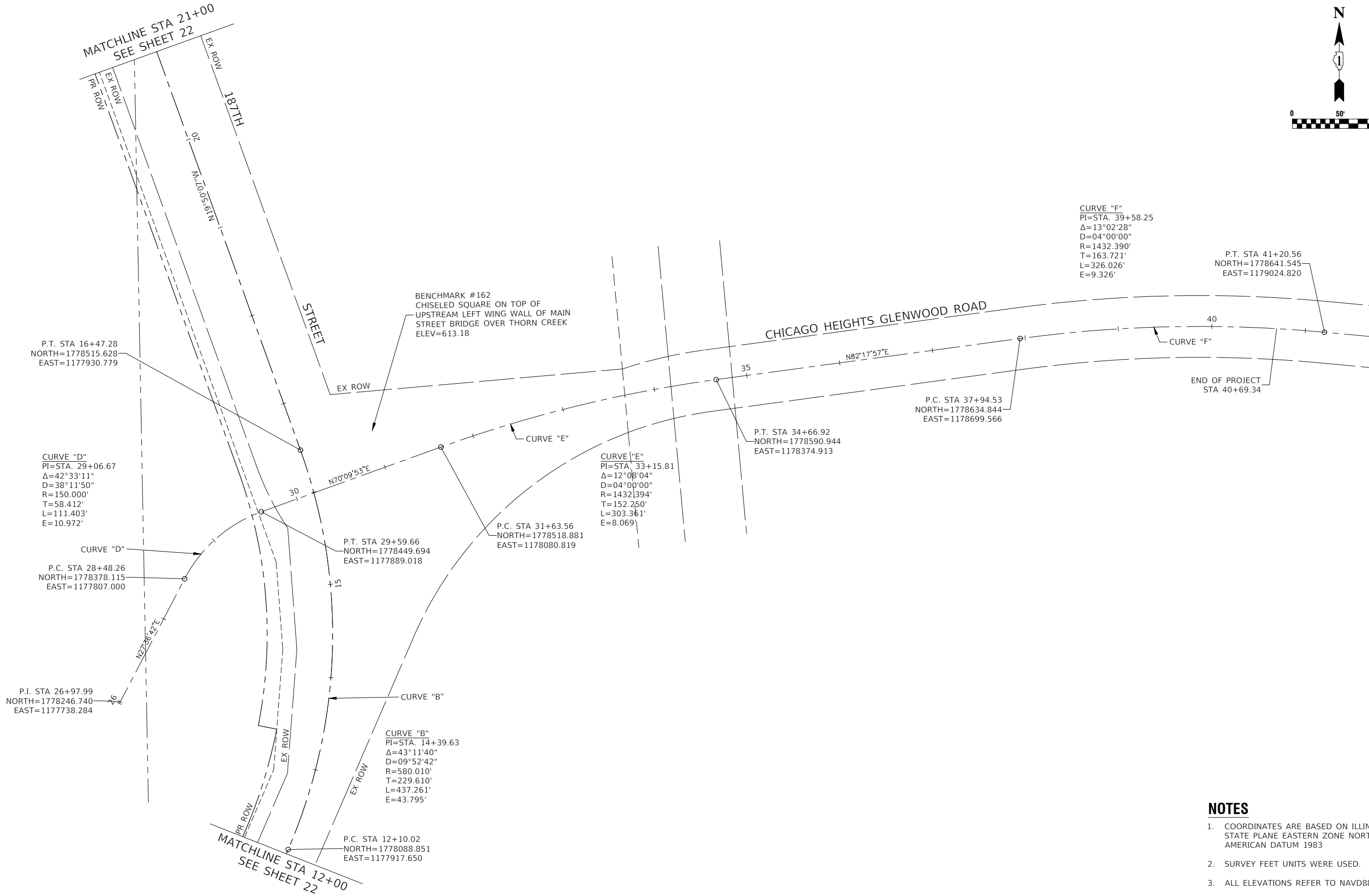
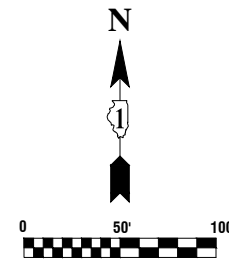
1. COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983
2. SURVEY FEET UNITS WERE USED.
3. ALL ELEVATIONS REFER TO NAVD88 DATUM.

FILE NAME = 11558_02-TIES-01 - P01	USER NAME =	DESIGNED -- PS	REVISED --
		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- KWM	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION ALIGNMENT & TIES			
SCALE: 1"=50'	SHEET NO. 22	OF 125 SHEETS	STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	22
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



CURVE "F"
 PI=STA. 39+58.25
 $\Delta=13^{\circ}02'28''$
 $D=04^{\circ}00'00''$
 $R=1432.390'$
 $T=163.721'$
 $L=326.026'$
 $E=9.326'$

P.T. STA 41+20.56
 NORTH=1778641.545
 EAST=1179024.820

BENCHMARK #162
 CHISELED SQUARE ON TOP OF
 UPSTREAM LEFT WING WALL OF MAIN
 STREET BRIDGE OVER THORN CREEK
 ELEV=613.18

P.T. STA 16+47.28
 NORTH=1778515.628
 EAST=1177930.779

CURVE "D"
 PI=STA. 29+06.67
 $\Delta=42^{\circ}33'11''$
 $D=38^{\circ}11'50''$
 $R=150.000'$
 $T=58.412'$
 $L=111.403'$
 $E=10.972'$

CURVE "D"
 P.C. STA 28+48.26
 NORTH=1778378.115
 EAST=1177807.000

P.I. STA 26+97.99
 NORTH=1778246.740
 EAST=1177738.284

P.T. STA 29+59.66
 NORTH=1778449.694
 EAST=1177889.018

P.C. STA 31+63.56
 NORTH=1778518.881
 EAST=1178080.819

CURVE "E"
 PI=STA. 33+15.81
 $\Delta=12^{\circ}08'04''$
 $D=04^{\circ}00'00''$
 $R=1432.394'$
 $T=152.250'$
 $L=303.361'$
 $E=8.069'$

P.T. STA 34+66.92
 NORTH=1778590.944
 EAST=1178374.913

P.C. STA 37+94.53
 NORTH=1778634.844
 EAST=1178699.566

CURVE "B"
 PI=STA. 14+39.63
 $\Delta=43^{\circ}11'40''$
 $D=09^{\circ}52'42''$
 $R=580.010'$
 $T=229.610'$
 $L=437.261'$
 $E=43.795'$

P.C. STA 12+10.02
 NORTH=1778088.851
 EAST=1177917.650

NOTES

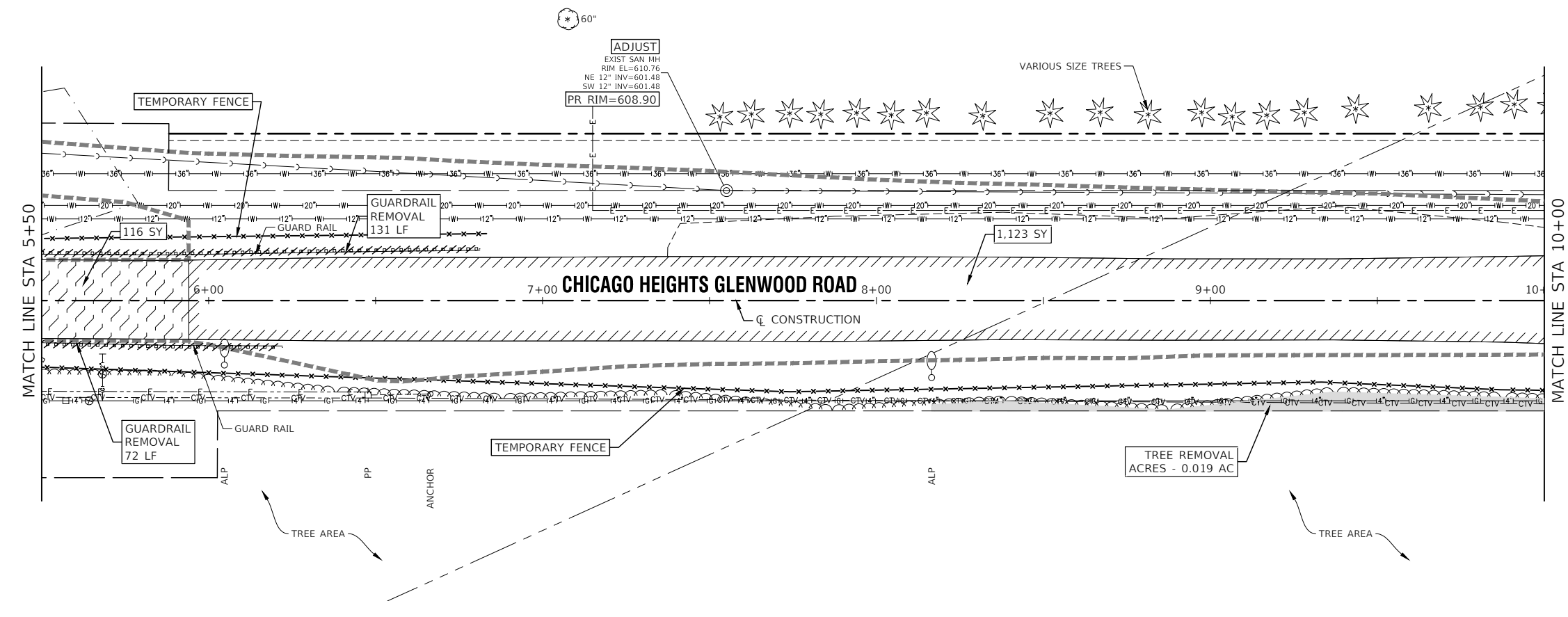
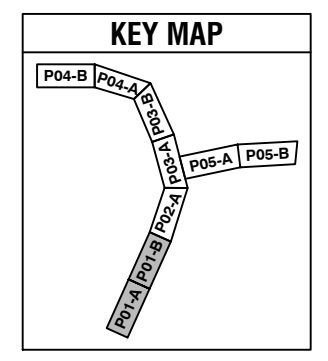
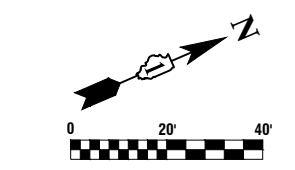
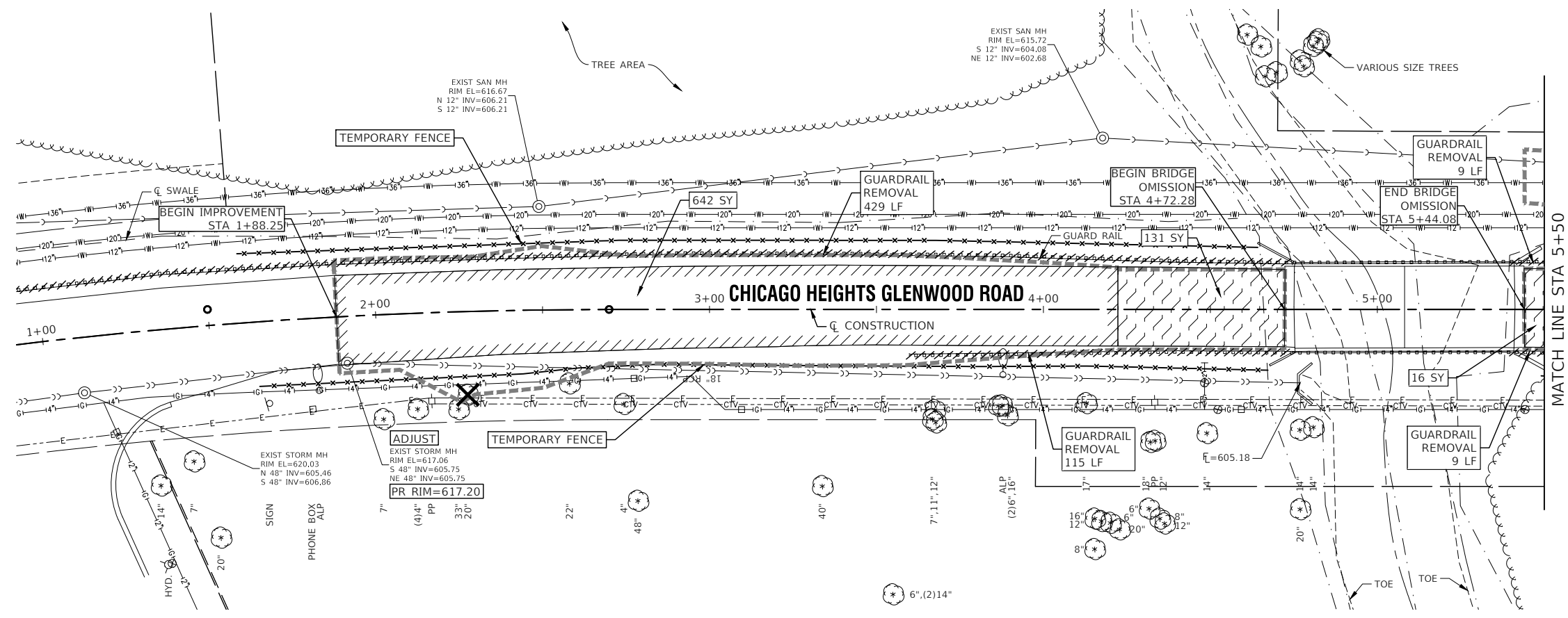
1. COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983
2. SURVEY FEET UNITS WERE USED.
3. ALL ELEVATIONS REFER TO NAVD88 DATUM.

FILE NAME = 11558_02-TIES-01 - P02	USER NAME =	DESIGNED -- PS	REVISED --
		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- KWM	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION ALIGNMENT & TIES			
SCALE: 1"=50'	SHEET NO. 23	OF 125 SHEETS	STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	23
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- FULL DEPTH PAVEMENT REMOVAL - PAID AS PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL
- TREE REMOVAL
- TREE REMOVAL, ACRES
- LIMITS OF CONSTRUCTION
- TEMPORARY FENCE

FILE NAME = 11558_02-RMVL-01 - P01

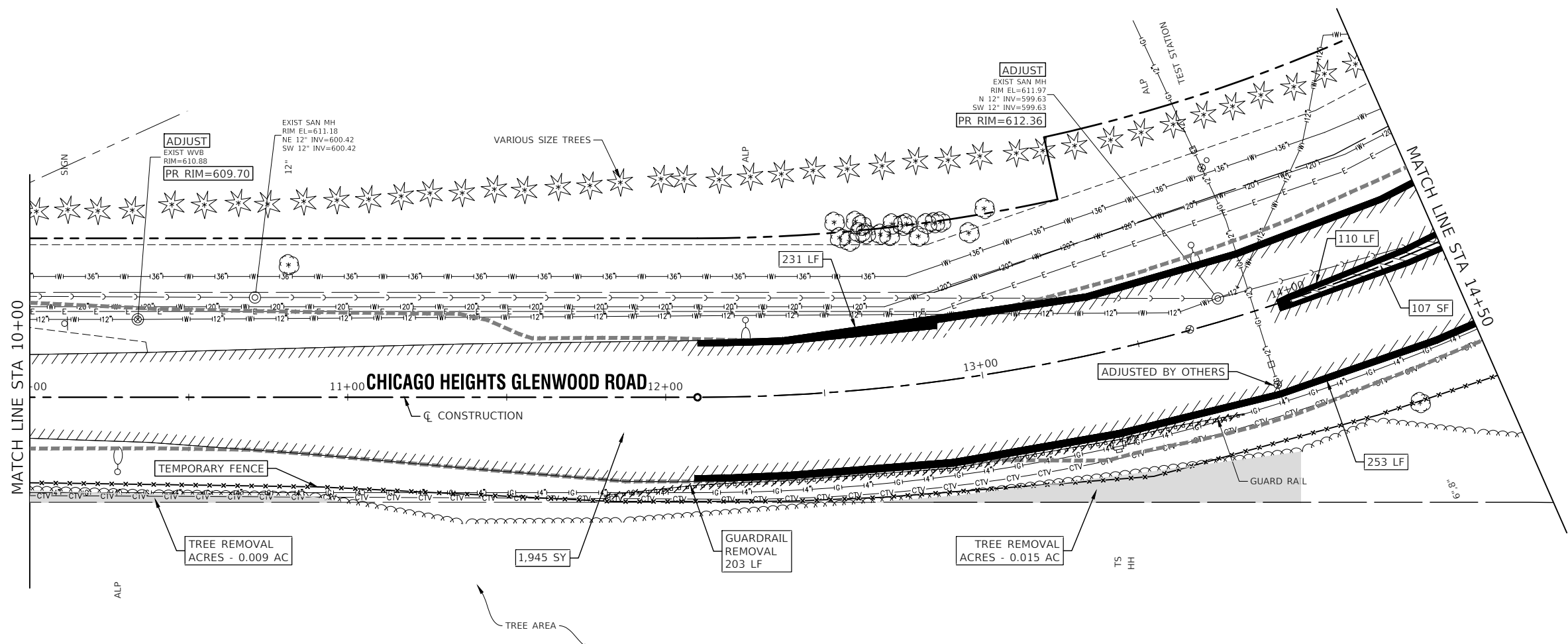
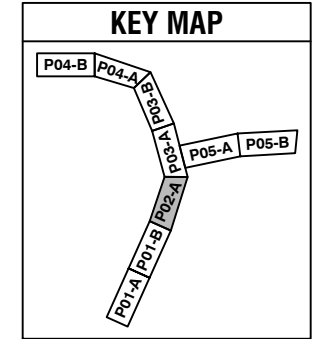
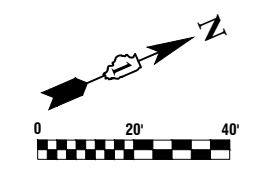
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**187TH STREET
ROAD RECONSTRUCTION
EXISTING CONDITIONS & REMOVALS**

SCALE: 1"=20' SHEET NO. 24 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	24
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- FULL DEPTH PAVEMENT REMOVAL - PAID AS PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL
- TREE REMOVAL
- TREE REMOVAL, ACRES
- LIMITS OF CONSTRUCTION
- TEMPORARY FENCE

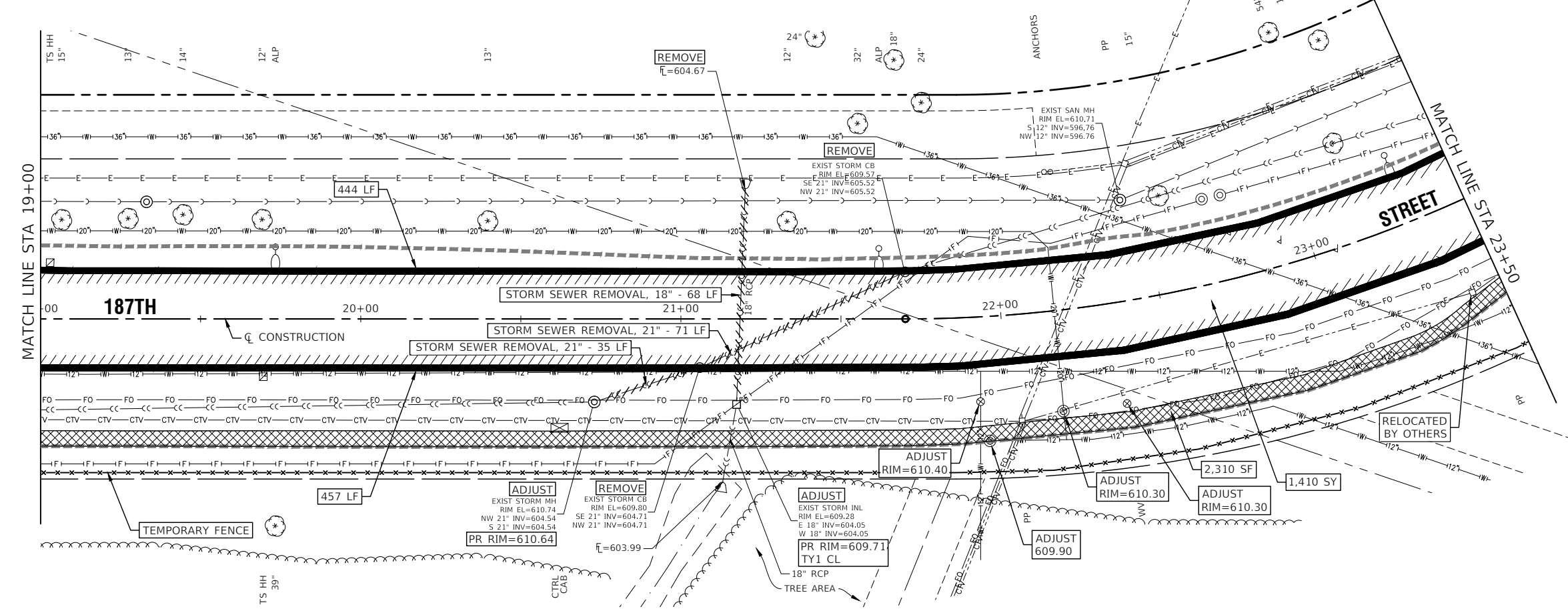
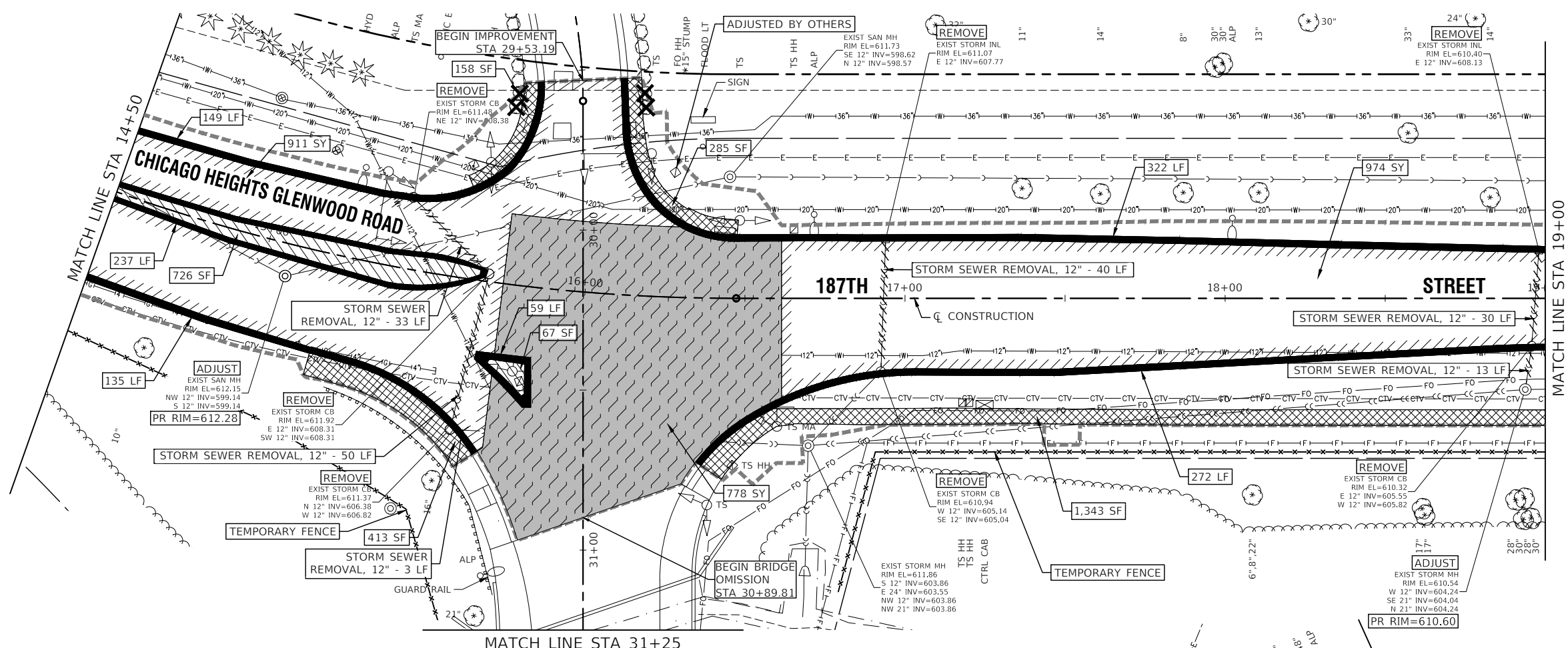
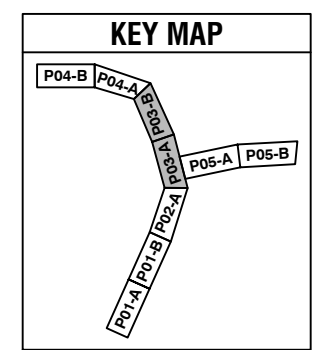
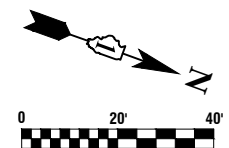
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USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION EXISTING CONDITIONS & REMOVALS		
SCALE: 1"=20'	SHEET NO. 25 OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	25
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL, 4"
 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - FULL DEPTH PAVEMENT REMOVAL - PAID AS PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - MEDIAN REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL
 - STORM SEWER REMOVAL
 - TREE REMOVAL
 - TREE REMOVAL, ACRES
 - LIMITS OF CONSTRUCTION
 - TEMPORARY FENCE

FILE NAME = 11558_02-RMVL-01 - P03

USER NAME =	DESIGNED — PS	REVISED —
	CHECKED — JDH	REVISED —
PLOT SCALE =	DRAWN — RG	REVISED —
PLOT DATE = 07-08-24	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

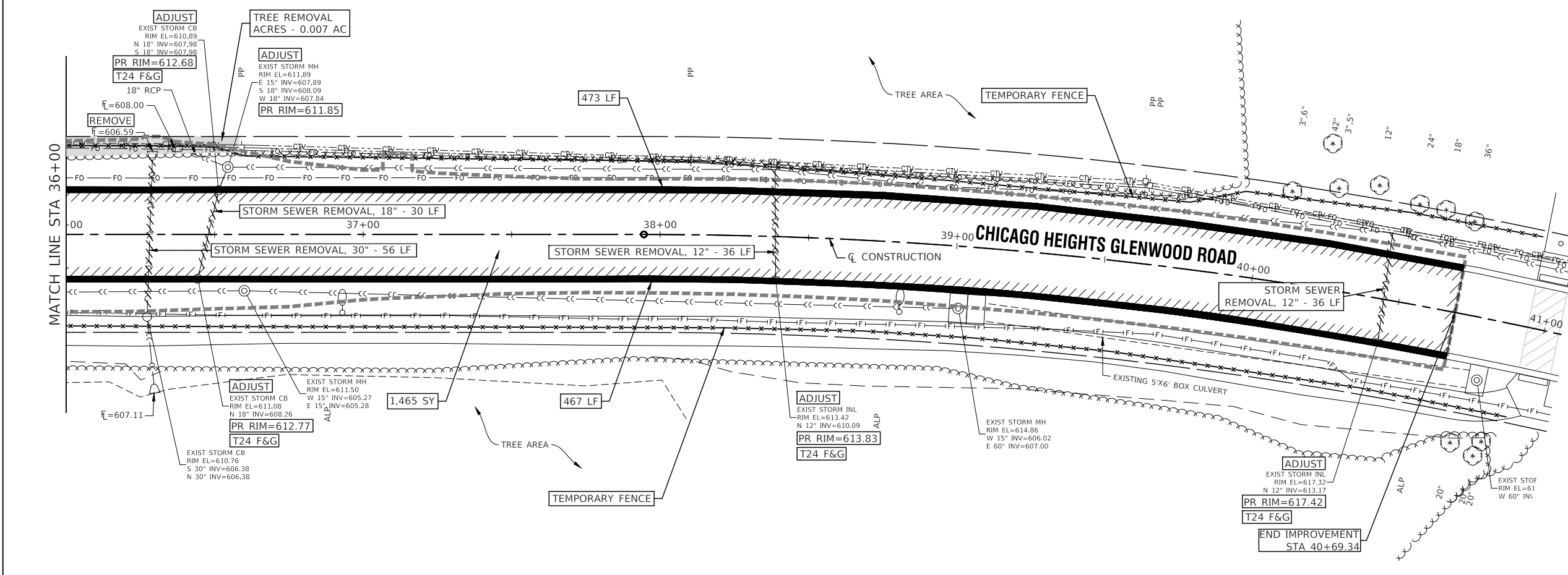
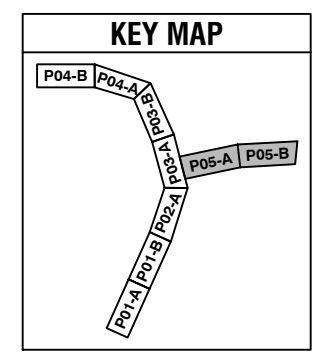
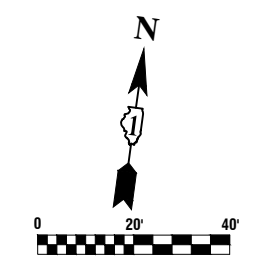
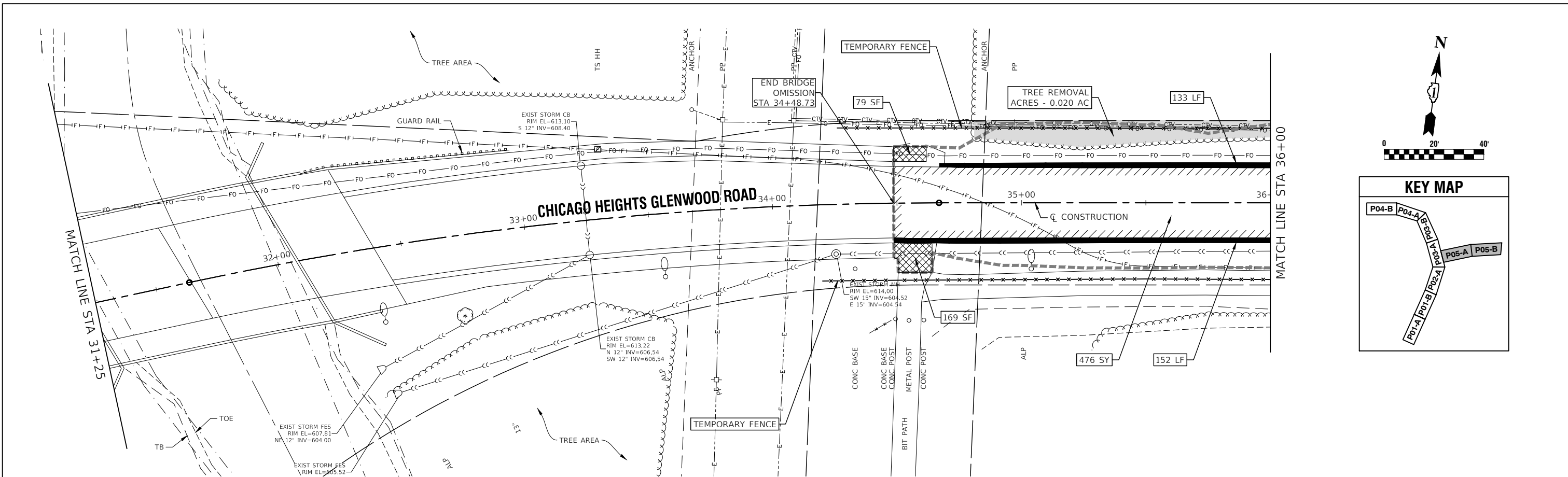
187TH STREET
ROAD RECONSTRUCTION
EXISTING CONDITIONS & REMOVALS

SCALE: 1"=20'

SHEET NO. 26 OF 125 SHEETS

STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	26
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- FULL DEPTH PAVEMENT REMOVAL - PAID AS PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL
- TREE REMOVAL
- TREE REMOVAL, ACRES
- LIMITS OF CONSTRUCTION
- TEMPORARY FENCE

FILE NAME = 11558_02-RMVL-01 - P05
 USER NAME =
 PLOT SCALE =
 PLOT DATE = 07-08-24

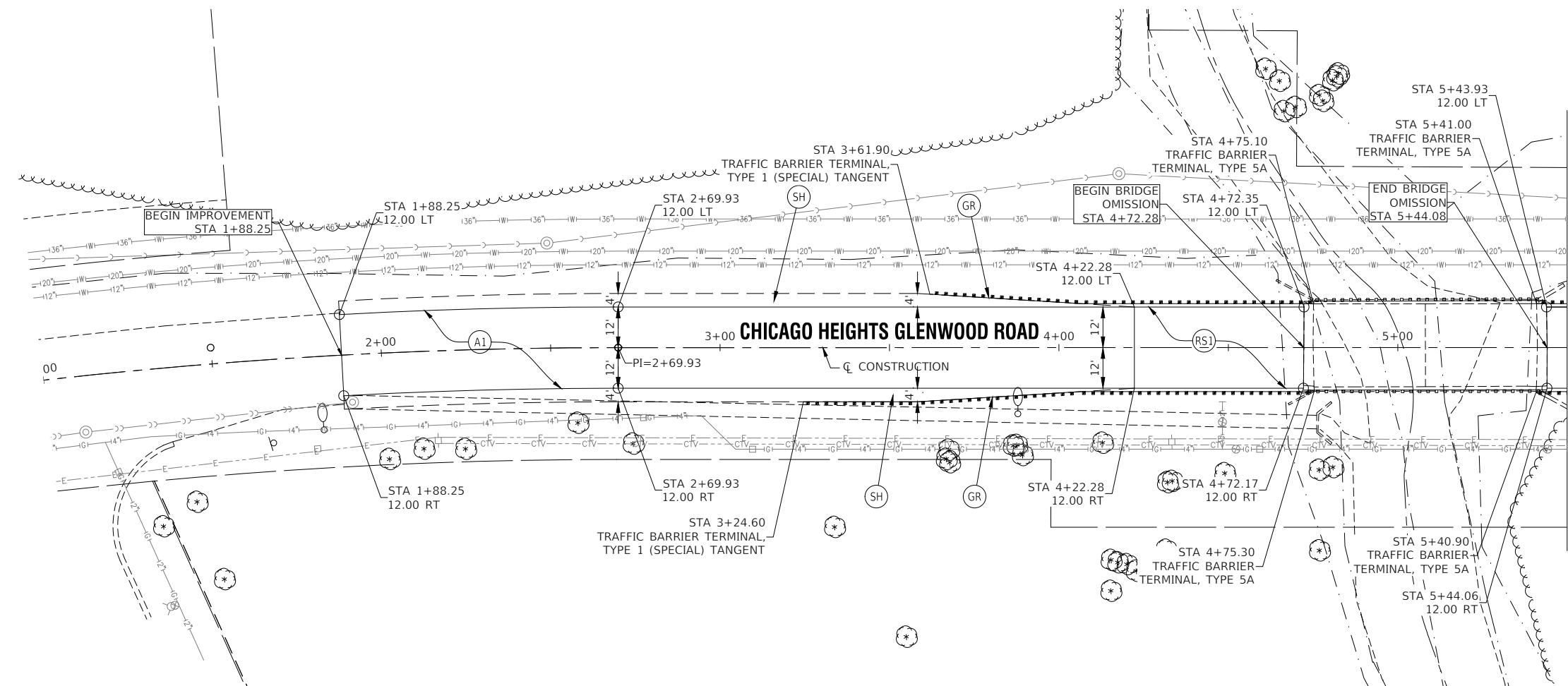
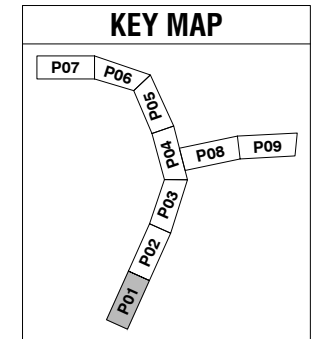
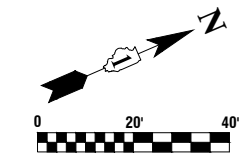
DESIGNED — PS	REVISD —
CHECKED — JDH	REVISD —
DRAWN — RG	REVISD —
CHECKED — AG	REVISD —

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

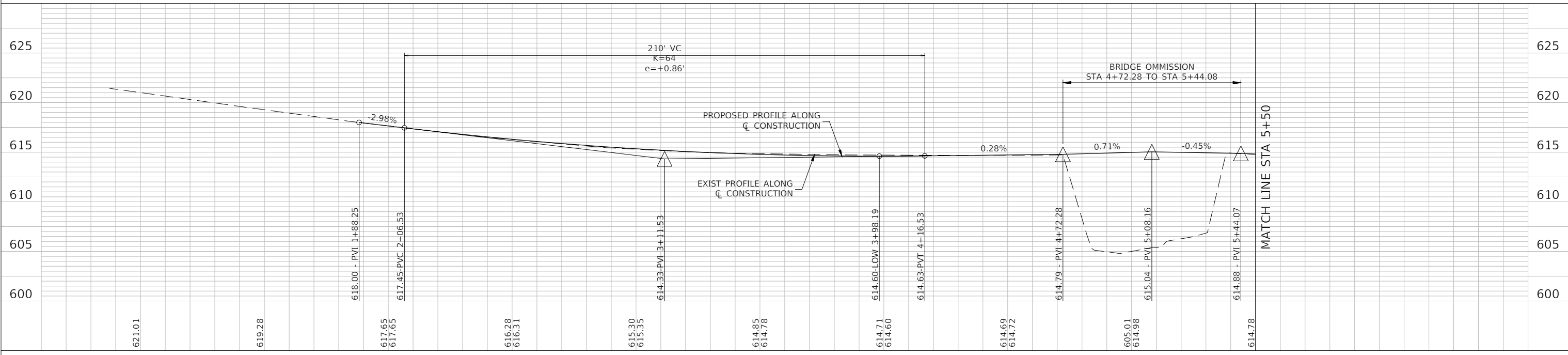
**187TH STREET
 ROAD RECONSTRUCTION
 EXISTING CONDITIONS & REMOVALS**

SCALE: 1"=20'
 SHEET NO. 28 OF 125 SHEETS
 STA. TO STA.

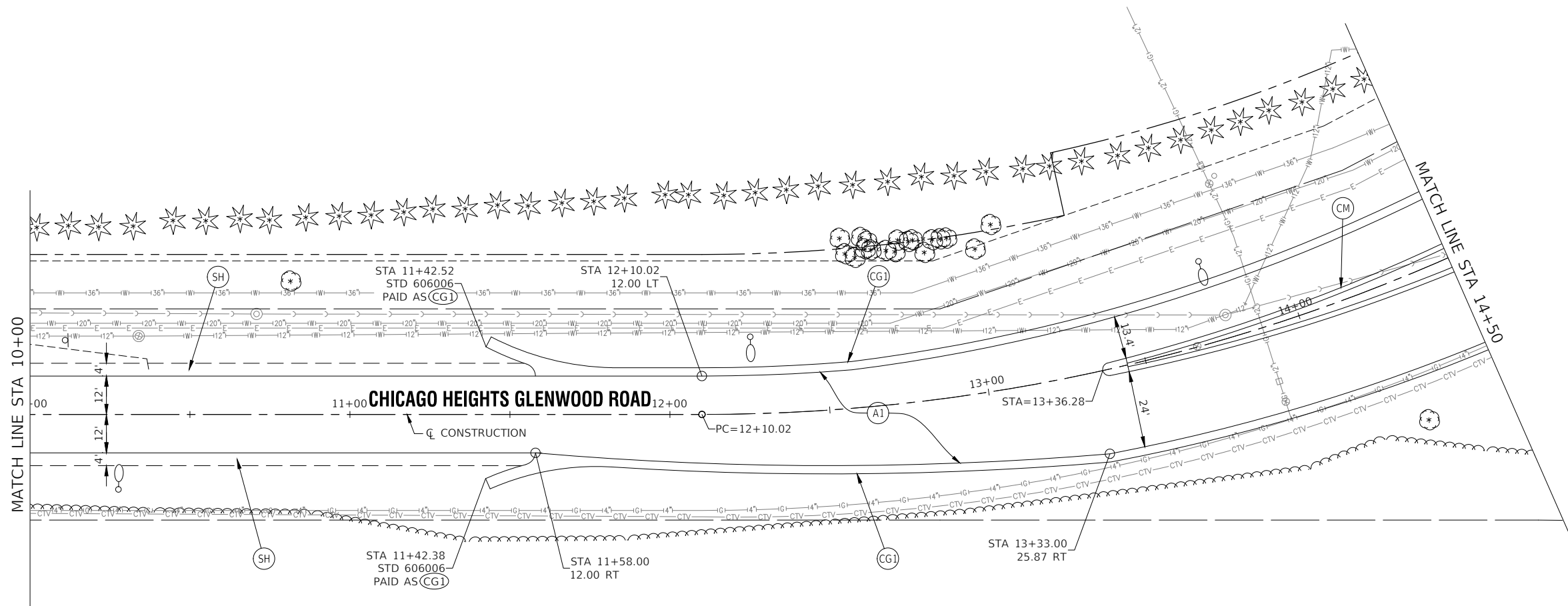
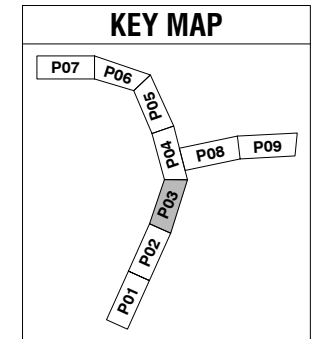
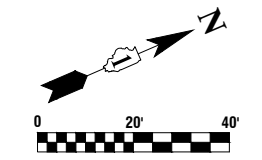
F.A.U. R.T.E. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 28
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)		



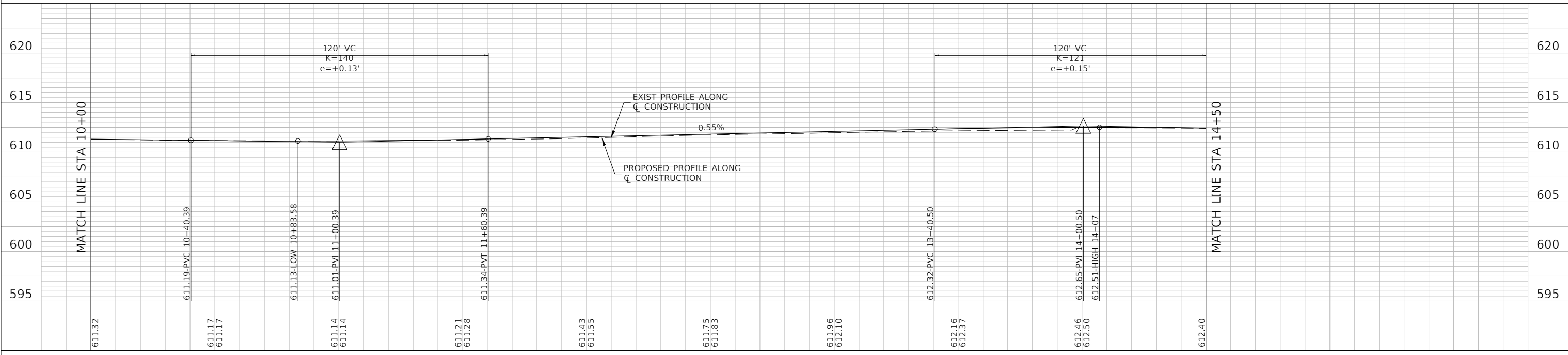
- LEGEND**
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (RS2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
 - (PP) CLASS D PATCHES, 8 INCH
 - (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (CM) CONCRETE MEDIAN, TYPE SB-6.12
 - (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
 - (BC) CONCRETE CURB, TYPE B
 - (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (SH) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (DW) DETECTABLE WARNINGS
 - (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"



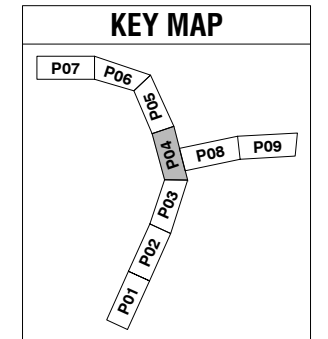
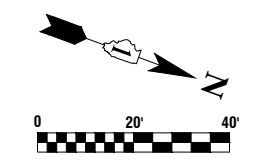
FILE NAME = 11558_02-PLPR-01 - P01	USER NAME =	DESIGNED - PS	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE		F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 29	
	PLOT SCALE =	CHECKED - JDH	REVISD -		SCALE: H 1"=20' V 1"=5'	SHEET NO. 29 OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48			
	PLOT DATE = 07-08-24	DRAWN - RG	REVISD -									
		CHECKED - AG	REVISD -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)							



- LEGEND**
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (RS2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
 - (PP) CLASS D PATCHES, 8 INCH
 - (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (CM) CONCRETE MEDIAN, TYPE SB-6.12
 - (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
 - (BC) CONCRETE CURB, TYPE B
 - (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (SH) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (DW) DETECTABLE WARNINGS
 - (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"

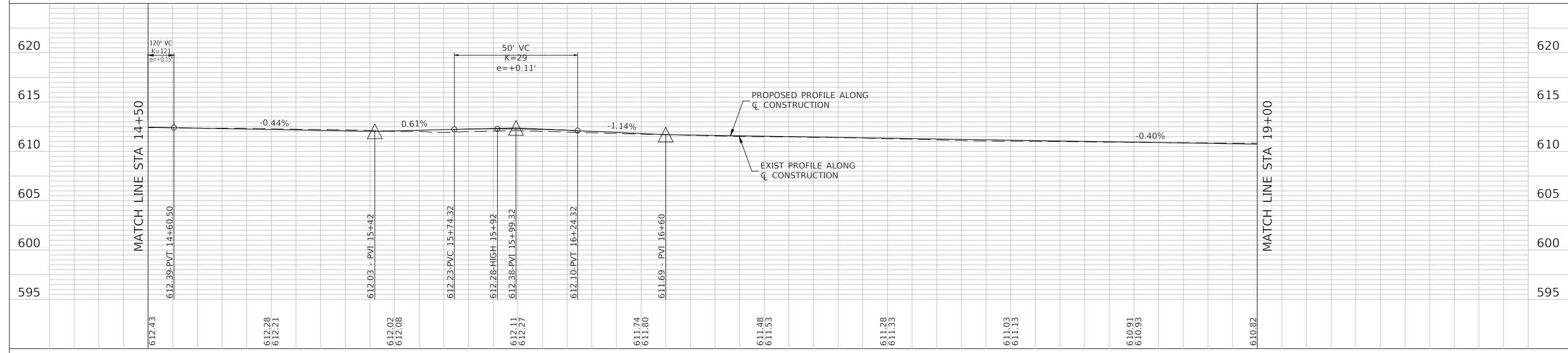
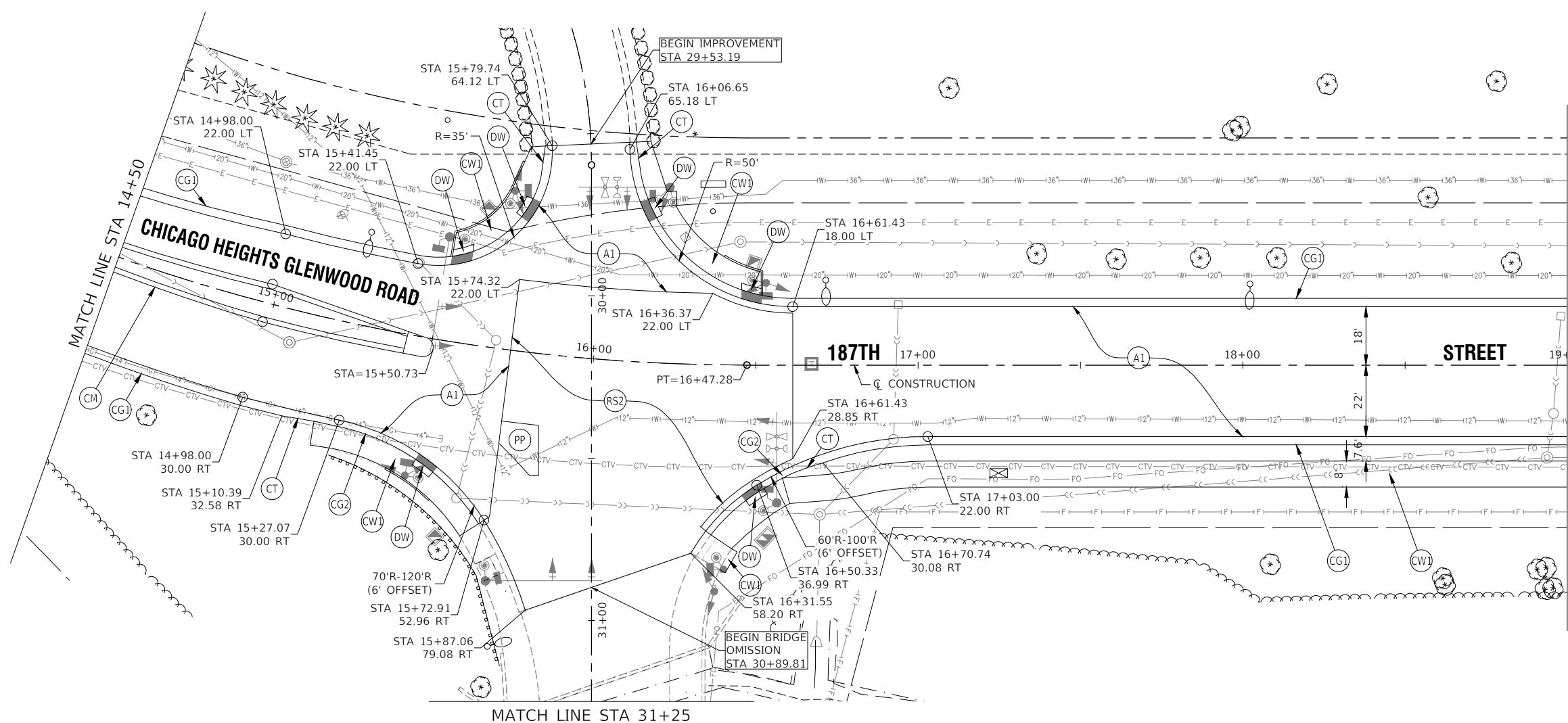


FILE NAME = 11558_02-PLPR-01 - P03	USER NAME =	DESIGNED - PS	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE			F.A.U. RTE. = 1624	SECTION = 11-00052-00-CH	COUNTY = COOK	TOTAL SHEETS = 125	SHEET NO. = 31
	PLOT SCALE =	CHECKED - JDH	REVISD -		SCALE: H 1"=20' V 1"=5'			SHEET NO. 31 OF 125 SHEETS		STA. TO STA.	CONTRACT NO. 61K48	
	PLOT DATE = 07-08-24	DRAWN - RG	REVISD -		FED. ROAD DIST. NO. 1			ILLINOIS		FED. AID PROJECT S2XJ(109)		
		CHECKED - AG	REVISD -									

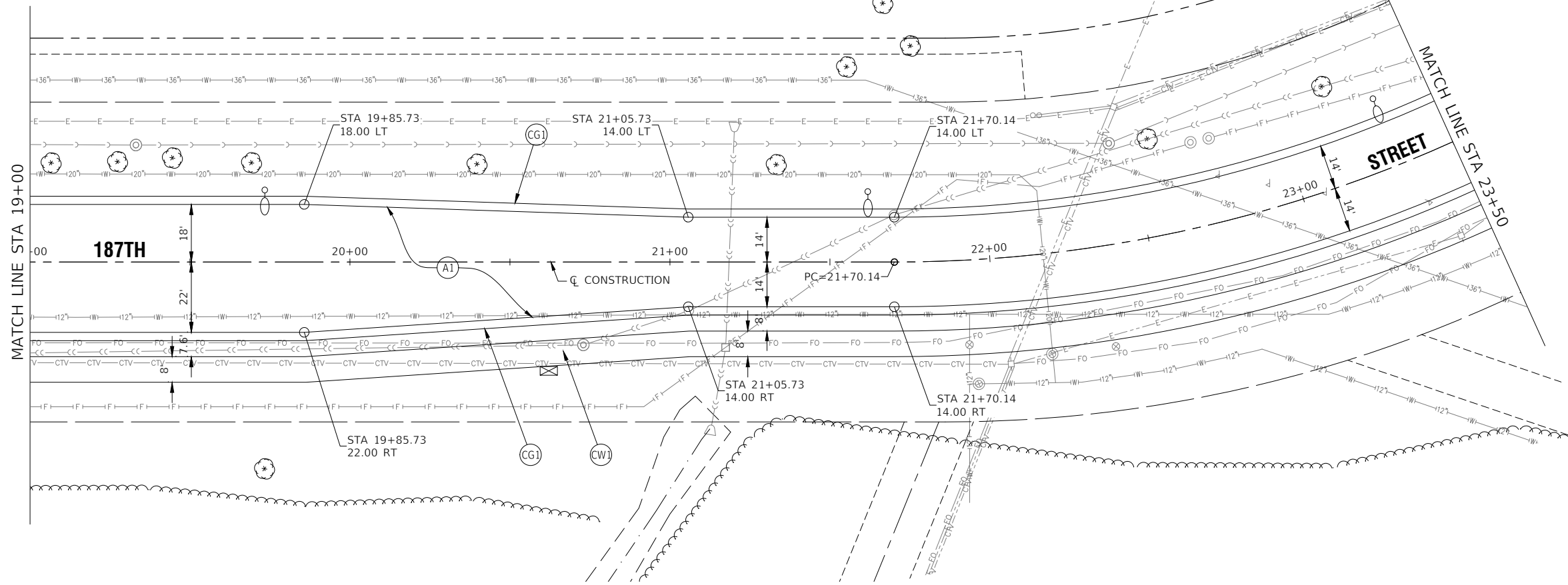
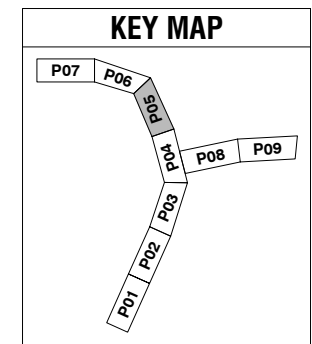
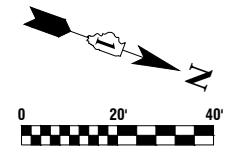


LEGEND

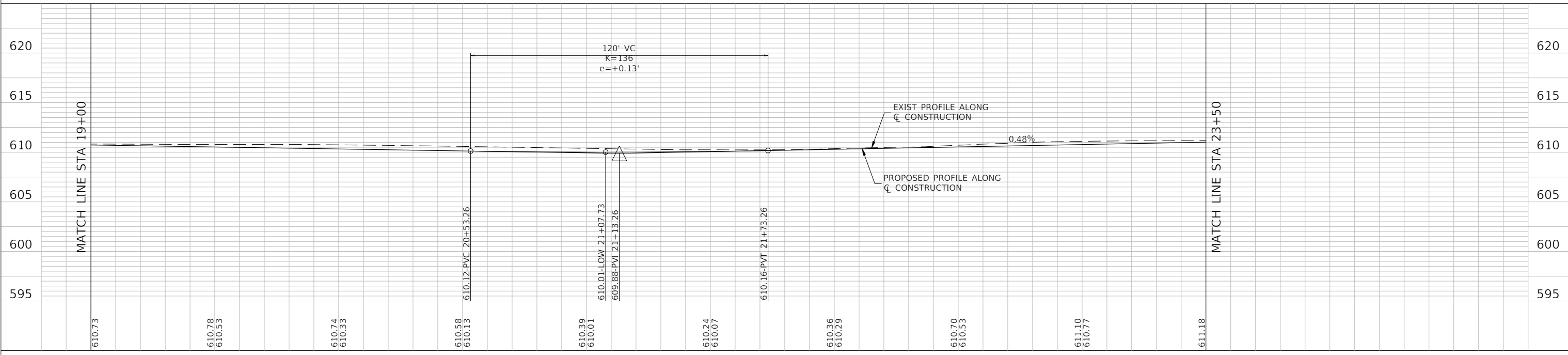
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- (RS2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
- (PP) CLASS D PATCHES, 8 INCH
- (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (CM) CONCRETE MEDIAN, TYPE SB-6.12
- (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
- (BC) CONCRETE CURB, TYPE B
- (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- (SH) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (DW) DETECTABLE WARNINGS
- (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"



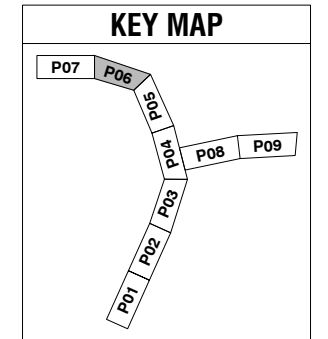
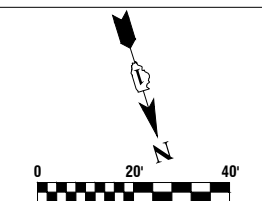
FILE NAME = 11558_02-PLPR-01 - P04	USER NAME =	DESIGNED - PS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE	F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 32	
	PLOT SCALE =	DRAWN - RG	REVISED -		SCALE: H 1"=20' V 1"=5'	SHEET NO. 32 OF 125 SHEETS	CONTRACT NO. 61K48				
	PLOT DATE = 07-08-24	CHECKED - AG	REVISED -		STA. TO STA.						
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)					



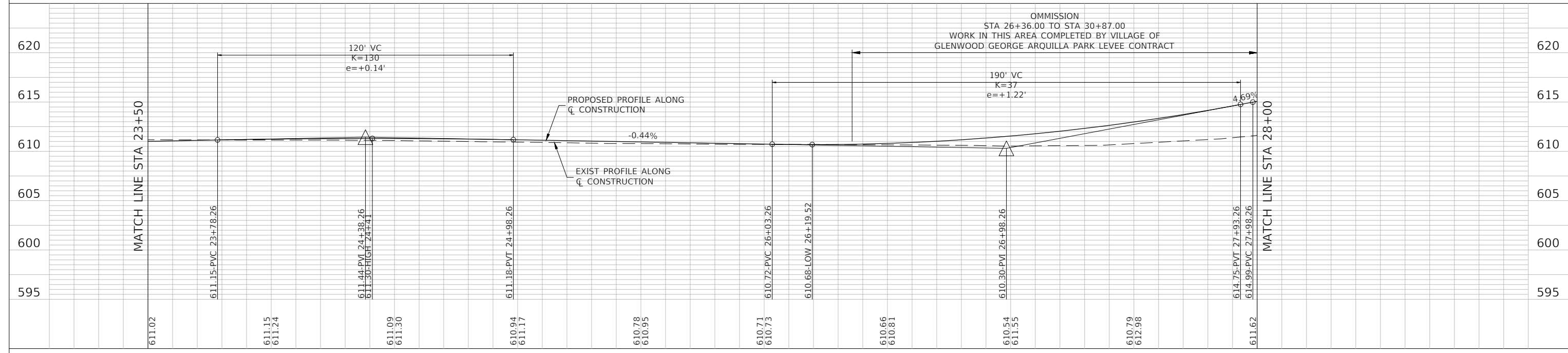
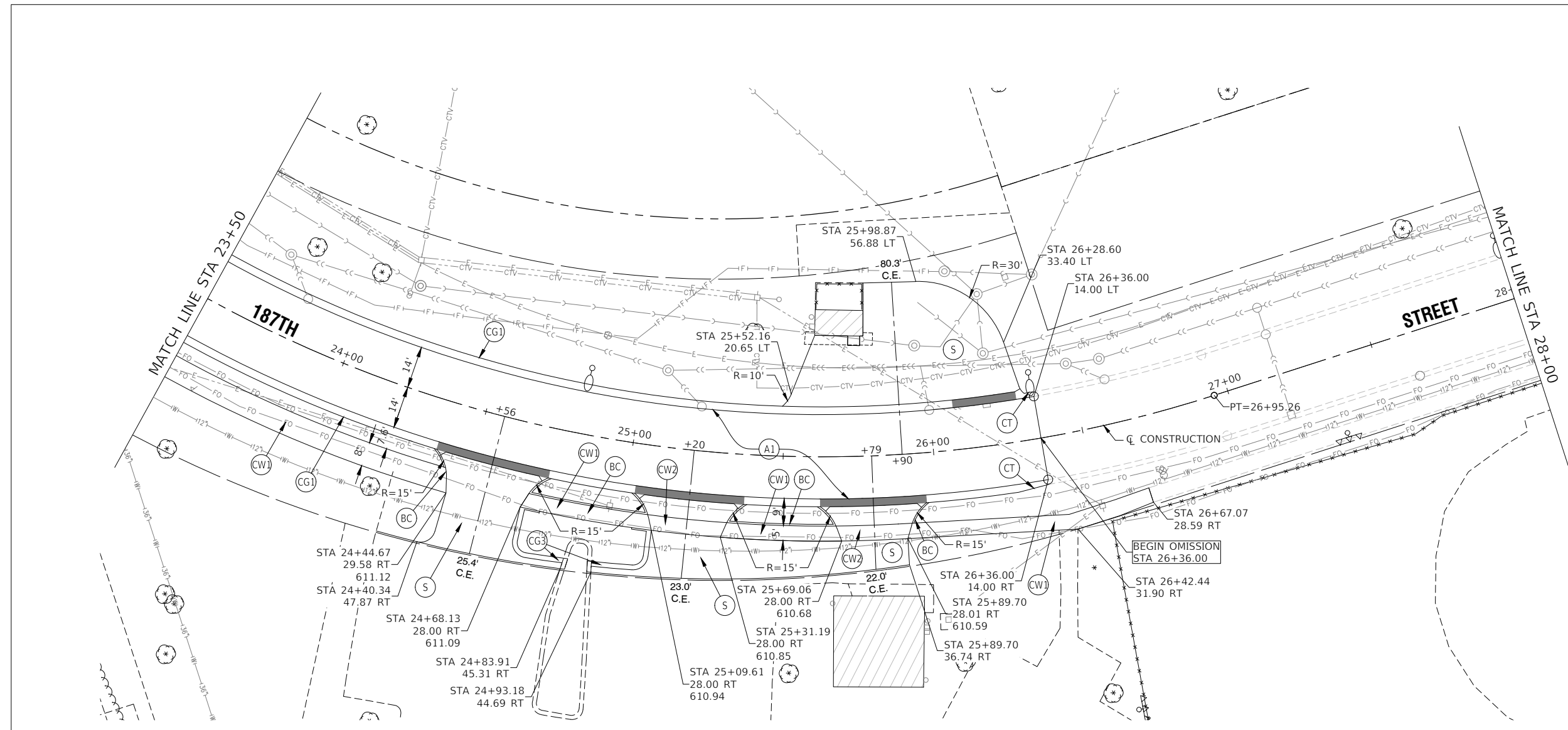
- LEGEND**
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (RS2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
 - (PP) CLASS D PATCHES, 8 INCH
 - (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (CM) CONCRETE MEDIAN, TYPE SB-6.12
 - (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
 - (BC) CONCRETE CURB, TYPE B
 - (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (5H) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (DW) DETECTABLE WARNINGS
 - (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"



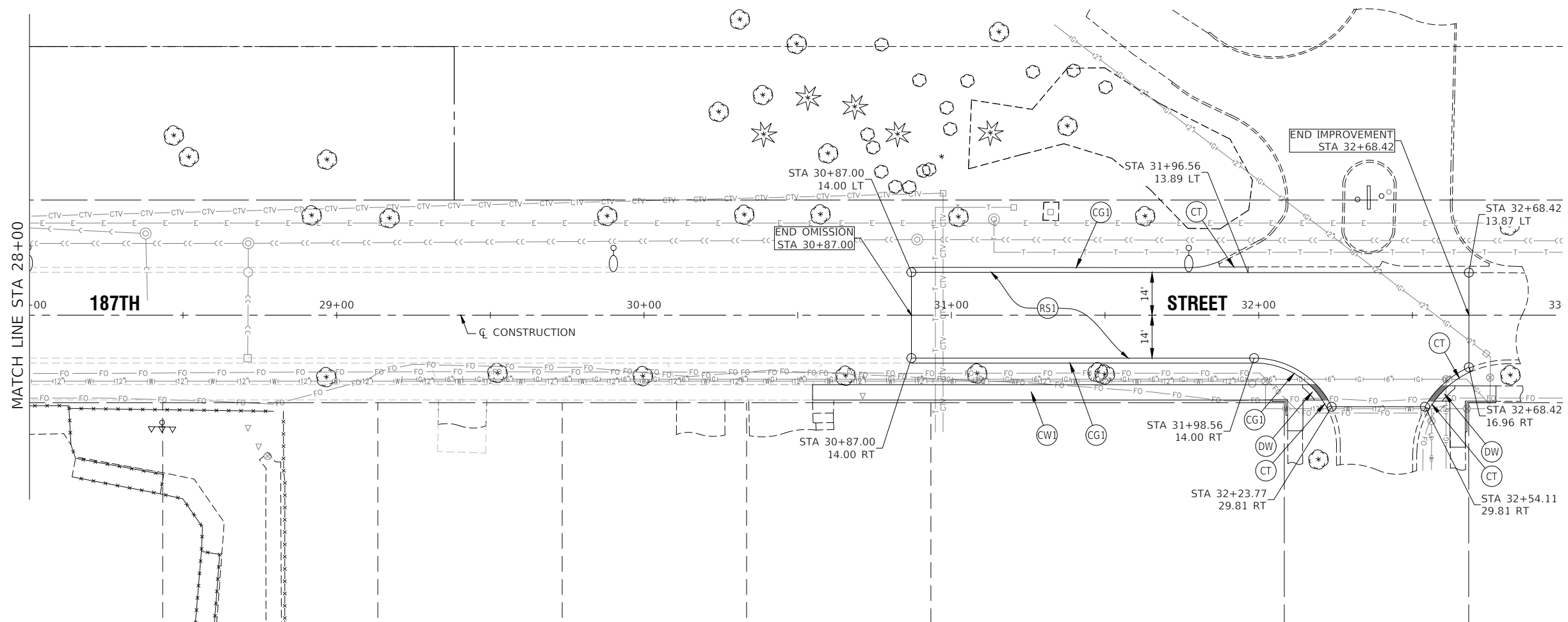
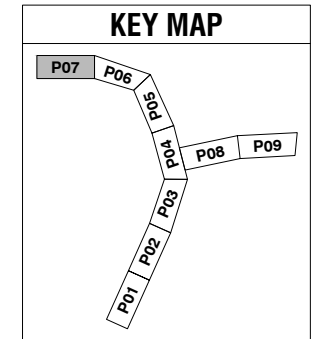
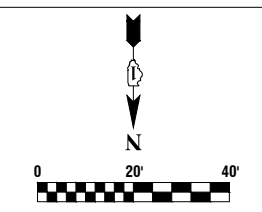
FILE NAME = 11558_02-PLPR-01 - POS	USER NAME =	DESIGNED - PS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - JDH	REVISED -		SCALE: H 1"=20' V 1"=5'			1624	11-00052-00-CH	COOK	125	33
	PLOT SCALE =	DRAWN - RG	REVISED -		SHEET NO. 33 OF 125 SHEETS			CONTRACT NO. 61K48				
	PLOT DATE = 07-08-24	CHECKED - AG	REVISED -		STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(J)109				



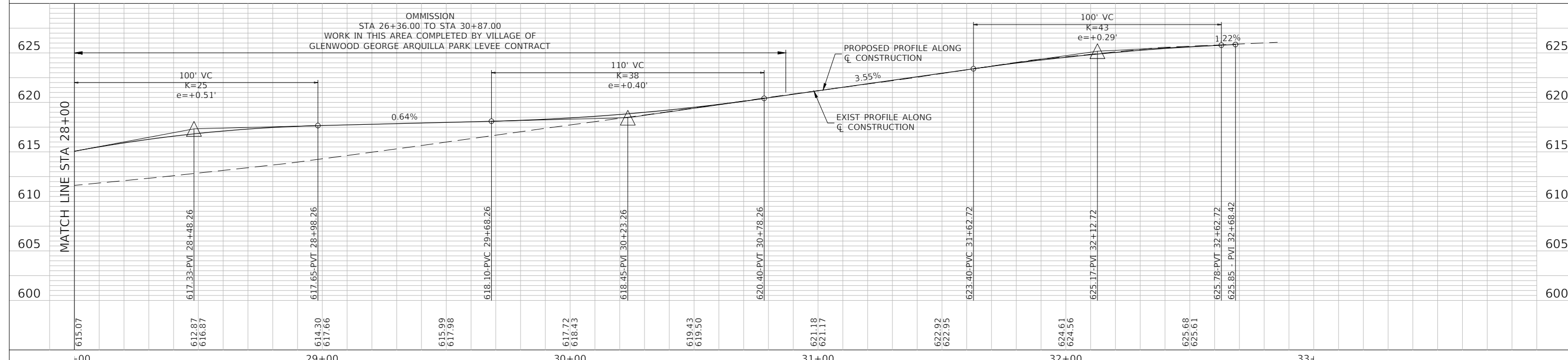
- LEGEND**
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (RS2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
 - (PP) CLASS D PATCHES, 8 INCH
 - (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (CM) CONCRETE MEDIAN, TYPE SB-6.12
 - (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
 - (BC) CONCRETE CURB, TYPE B
 - (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (5H) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (DW) DETECTABLE WARNINGS
 - (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"



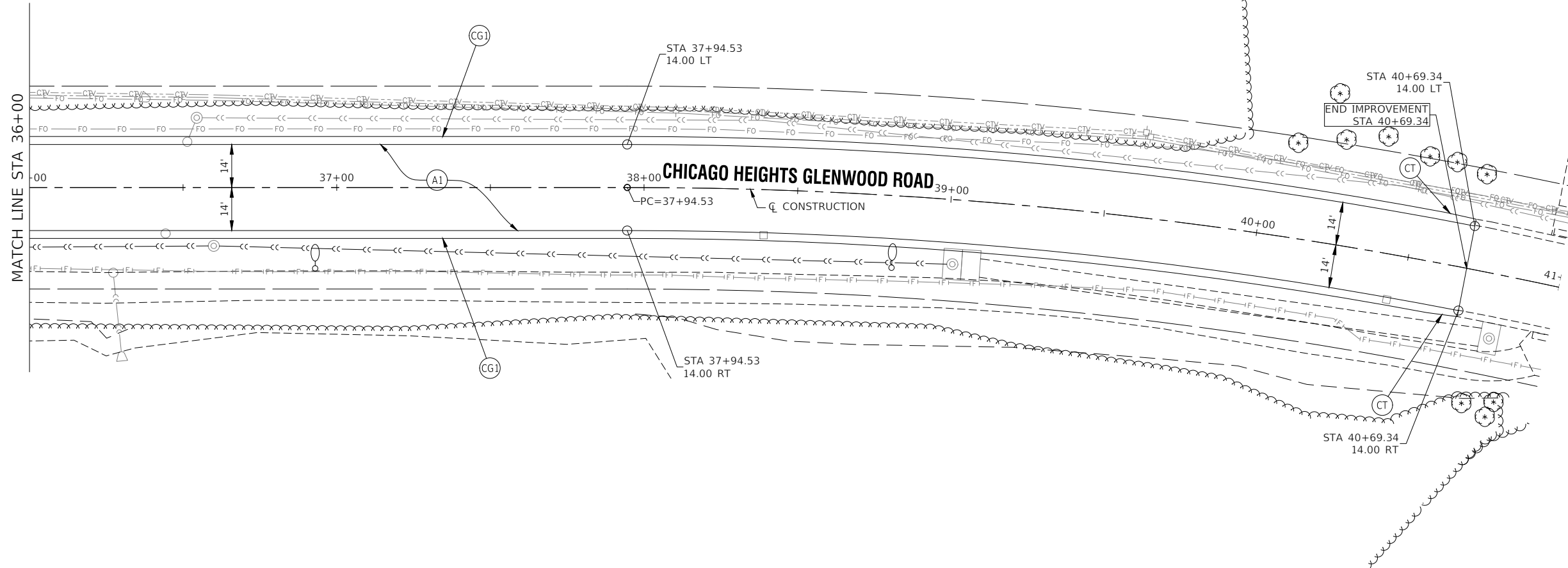
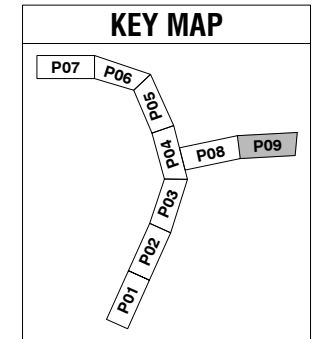
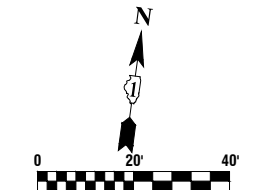
FILE NAME = 11558_02-PLPR-01 - P06	USER NAME =	DESIGNED - PS	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE	F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 34	
	PLOT SCALE =	DRAWN - RG	REVISD -		SCALE: H 1"=20' V 1"=5'	SHEET NO. 34 OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		
	PLOT DATE = 07-08-24	CHECKED - AG	REVISD -		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT S2XJ(109)			



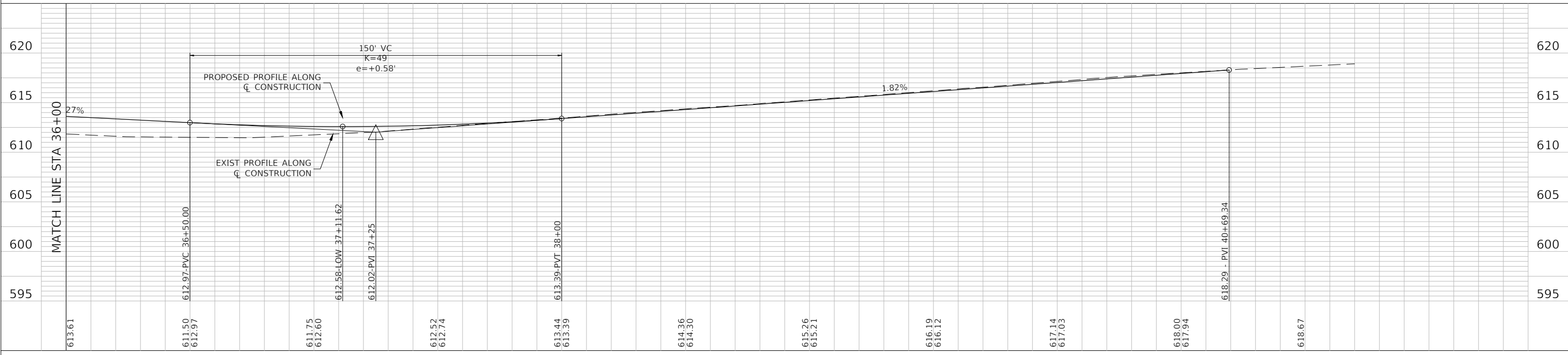
- LEGEND**
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (RS2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" TO 8"
 - (PP) CLASS D PATCHES, 8 INCH
 - (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (CM) CONCRETE MEDIAN, TYPE SB-6.12
 - (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
 - (BC) CONCRETE CURB, TYPE B
 - (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (5H) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (DW) DETECTABLE WARNINGS
 - (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"



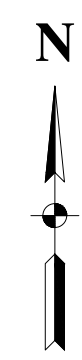
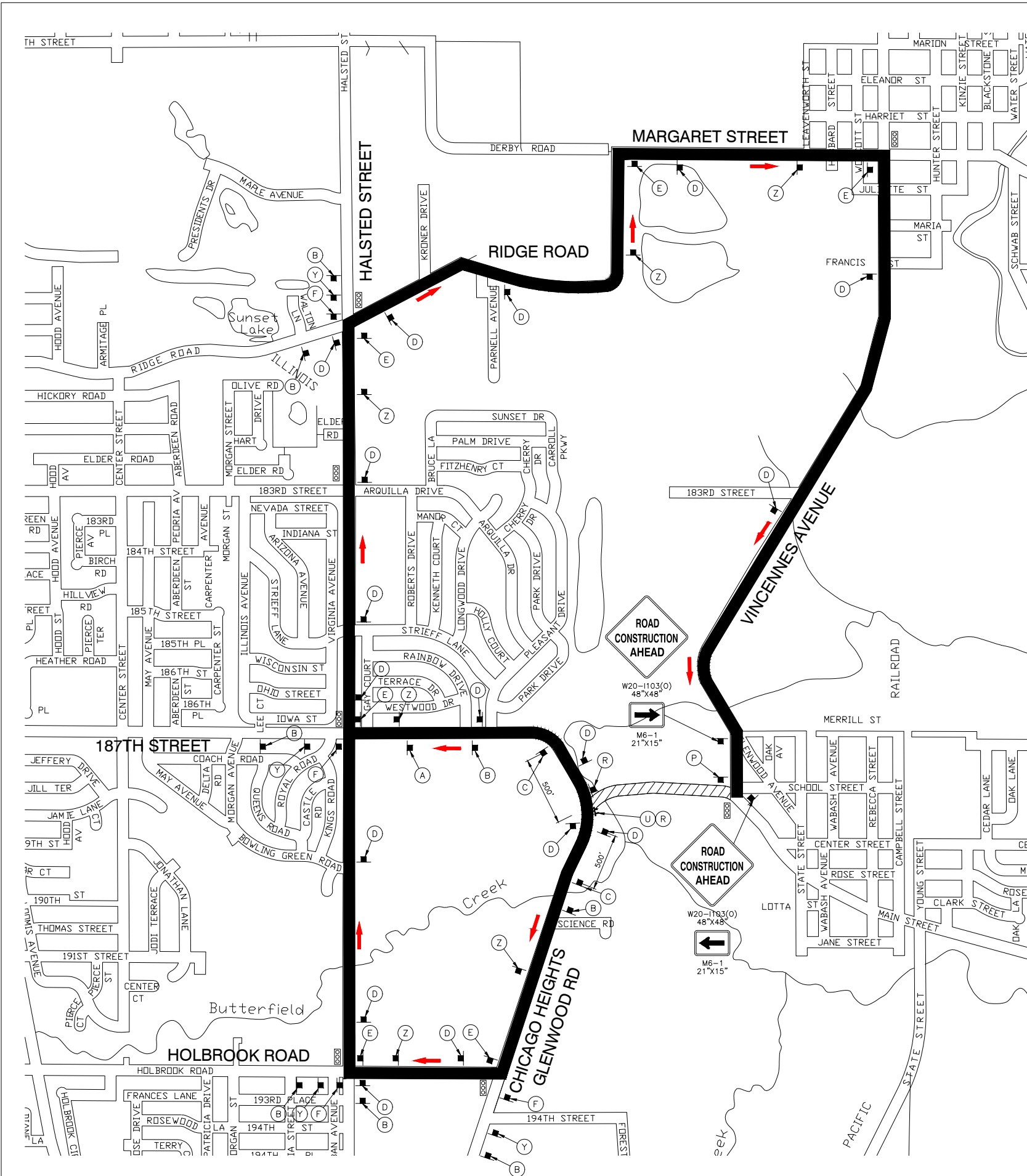
FILE NAME = 11588_02-PLPR-01 - P07	USER NAME =	DESIGNED - PS	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE		F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 35	
	CHECKED - JDH				SCALE: H 1"=20' V 1"=5'	SHEET NO. 35	OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		
	PLOT SCALE =	DRAWN - RG								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)		
	PLOT DATE = 07-08-24	CHECKED - AG										



- LEGEND**
- (A1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (RS1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - (RS2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - (PP) CLASS D PATCHES, 8 INCH
 - (CG1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (CG2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - (CG3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (CM) CONCRETE MEDIAN, TYPE SB-6.12
 - (CT) 10' CURB AND GUTTER TRANSITION, PAID AS (CG1), (CG2) OR (CG3)
 - (BC) CONCRETE CURB, TYPE B
 - (CW1) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (CW2) PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - (5H) HOT-MIX ASPHALT SHOULDERS, 9" AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (GR) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (DW) DETECTABLE WARNINGS
 - (S) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"



FILE NAME = 11558_02-PLPR-01 - P09	USER NAME =	DESIGNED - PS	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION PLAN & PROFILE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - JDH	REVISD -		1624	11-00052-00-CH	COOK	125	37		
	PLOT SCALE =	DRAWN - RG	REVISD -		CONTRACT NO. 61K48						
	PLOT DATE = 07-08-24	CHECKED - AG	REVISD -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)						



LEGEND

- INDICATES DETOUR ROUTE
- ▨ CONSTRUCTION ZONE (WESTBOUND TRAFFIC ONLY)
- TRAFFIC FLOW (EASTBOUND DETOUR)
- SIGN POSTS
- ▬ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- Ⓢ TEMPORARY TRAFFIC SIGNAL TIMING

NOTES

- ALL SIGNS, BARRICADES, SIGN'S LIGHTS & FLAGS SHALL BE IN ACCORDANCE WITH THOSE INDICATED IN TRAFFIC CONTROL STANDARDS OF MUTCD & STANDARD SPECIFICATIONS.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND VILLAGE OF GLENWOOD SHALL BE NOTIFIED TWO (2) WEEKS IN ADVANCE PRIOR TO THE OPERATION OF THIS DETOUR ROUTE FOR THE SUBJECT CONSTRUCTION.
- "D3-1" SIGNS SHALL HAVE 6" UPPERCASE/4.5" LOWERCASE BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
- TRAFFIC CONTROL AND PROTECTION, INCLUDING DETOUR PLAN/ROUTING, SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR THIS PROJECT, SECTION 701 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", APPLICABLE GUIDELINES IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- IDOT TRAFFIC CONTROL STANDARDS LISTED BY REFERENCE IN THE SPECIAL PROVISIONS SHALL BE USED AS GUIDES IN IMPLEMENTING THE TRAFFIC CONTROL, INCLUDING SIGN LOCATIONS, FOR THIS PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED, OR REMOVED, BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER
- 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 SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

Signs and Markers:

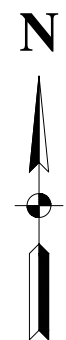
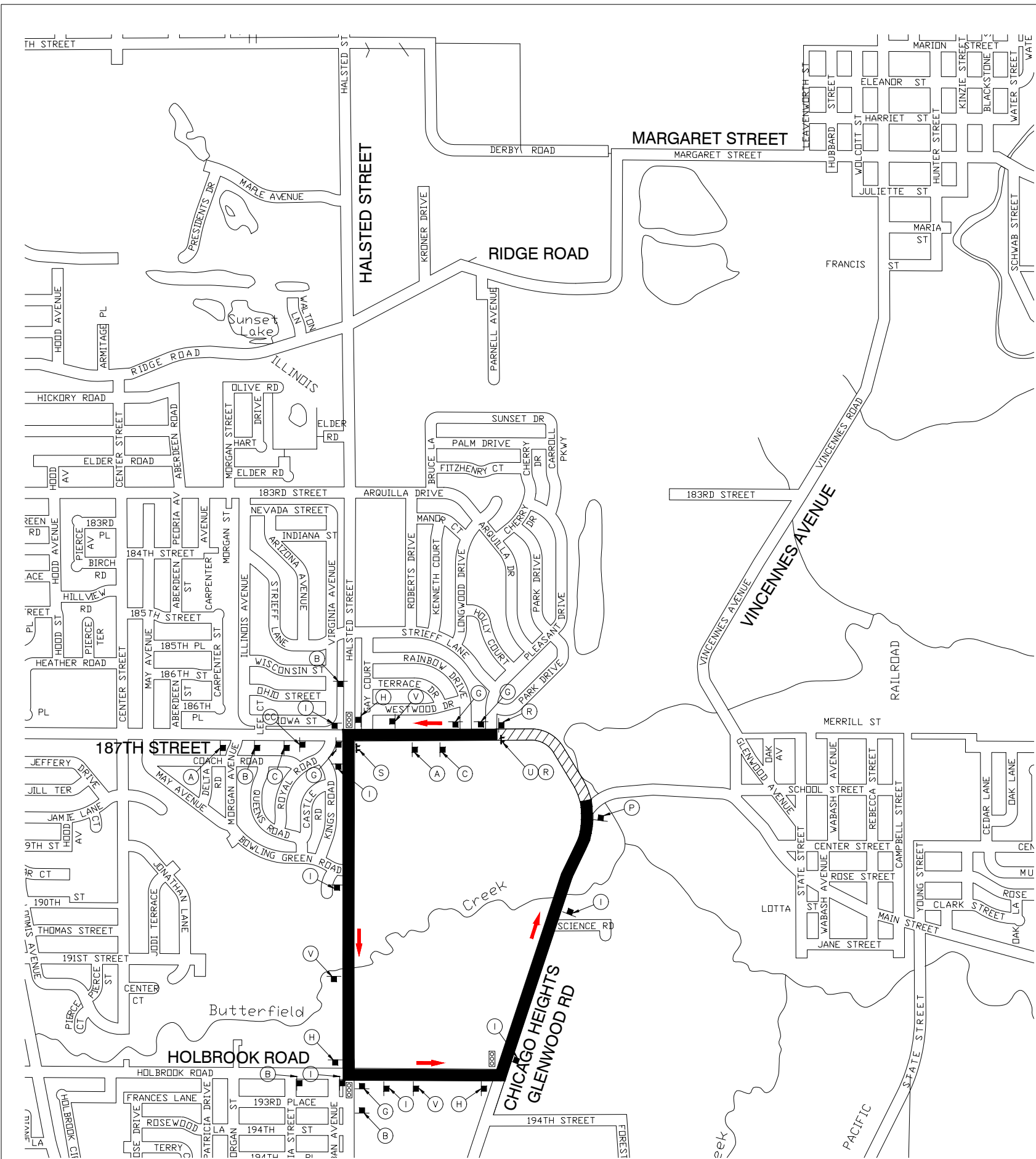
- A:** ROAD CLOSED AHEAD (W20-3 48"x48")
- B:** DETOUR AHEAD (W20-2 48"x48")
- C:** ROAD CLOSED 500 FT (W20-3 48"x48")
- D:** EAST Chicago Heights Glenwood Rd (D3-1 42"x9", M4-9R 30"x24")
- E:** EAST Chicago Heights Glenwood Rd (D3-1 42"x9", M4-9R 30"x24")
- F:** EAST Chicago Heights Glenwood Rd (D3-1 42"x9", M4-9R 30"x24")
- G:** EAST 187th St (M3-2(O) 24"x12", D3-1 36"x9", M4-9R 30"x24")
- H:** EAST 187th St (M3-2(O) 24"x12", D3-1 36"x9", M4-9R 30"x24")
- I:** EAST 187th St (M3-2(O) 24"x12", D3-1 36"x9", M4-9R 30"x24")
- J:** NORTH Chicago Heights Glenwood Rd (M3-1(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- K:** NORTH Chicago Heights Glenwood Rd (M3-1(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- L:** NORTH Chicago Heights Glenwood Rd (M3-1(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- M:** SOUTH Chicago Heights Glenwood Rd (M3-3(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- N:** SOUTH Chicago Heights Glenwood Rd (M3-3(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- O:** SOUTH Chicago Heights Glenwood Rd (M3-3(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- P:** END DETOUR (M4-8a 24"x18")
- Q:** EAST Chicago Heights Glenwood Rd (M3-2(O) 24"x12", D3-1 36"x9", M4-9R 30"x24")
- R:** DO NOT ENTER (R5-1 30"x30")
- S:** ROAD CLOSED TO THRU TRAFFIC (R11-4 60"x30")
- T:** ROAD CLOSED TO THRU TRAFFIC (R11-4 60"x30")
- U:** ROAD CLOSED (R11-2 48"x30")
- V:** EAST Chicago Heights Glenwood Rd (M3-2(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- W:** NORTH Chicago Heights Glenwood Rd (M3-1(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- X:** NORTH Chicago Heights Glenwood Rd (M3-1(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- Y:** EAST Chicago Heights Glenwood Rd (M3-2(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- Z:** EAST Chicago Heights Glenwood Rd (M3-2(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- AA:** SOUTH Chicago Heights Glenwood Rd (M3-3(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- BB:** SOUTH Chicago Heights Glenwood Rd (M3-3(O) 24"x12", D3-1 42"x9", M4-9R 30"x24")
- CC:** EAST 187th St (M3-2(O) 24"x12", D3-1 36"x9", M4-9R 30"x24")

FILE NAME = 11558_02-DETR-01 - STAGE 1 AND 2	USER NAME =	DESIGNED - PS	REVISED -
		CHECKED - JDH	REVISED -
	PLOT SCALE =	DRAWN - DS	REVISED -
	PLOT DATE = 07-08-24	CHECKED - AG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION DETOUR PLAN - STAGE 1 AND 2			
SCALE: N/A	SHEET NO. 38 OF 125 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	38
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



A	ROAD CLOSED AHEAD W20-3 48"x48"	G	EAST M3-2(O) 24"x12" 187th St D3-1 36"x9" DETOUR M4-9R 30"x24"	L	NORTH M3-1(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9L 30"x24"	S	ROAD CLOSED TO THRU TRAFFIC R11-4 60"x30" DETOUR M4-10R 48"x18" TYPE III BARRICADE	X	NORTH M3-1(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9L (MOD) 30"x24"	AA	SOUTH M3-3(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9L (MOD) 30"x24"
B	DETOUR AHEAD W20-2 48"x48"	H	EAST M3-2(O) 24"x12" 187th St D3-1 36"x9" DETOUR M4-9L 30"x24"	M	SOUTH M3-3(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R 30"x24"	T	ROAD CLOSED TO THRU TRAFFIC R11-4 60"x30" DETOUR M4-10L 48"x18" TYPE III BARRICADE	Y	EAST M3-2(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9L (MOD) 30"x24"	BB	SOUTH M3-3(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R (MOD) 30"x24"
C	ROAD CLOSED 500 FT W20-3 48"x48"	I	EAST M3-2(O) 24"x12" 187th St D3-1 36"x9" DETOUR M4-9 30"x24"	N	SOUTH M3-3(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9L 30"x24"	U	ROAD CLOSED R11-2 48"x30" TYPE III BARRICADE (2) OR MORE	Z	EAST M3-2(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R (MOD) 30"x24"	CC	EAST M3-2(O) 24"x12" 187th St D3-1 36"x9" DETOUR M4-9R (MOD) 30"x24"
D	EAST M3-2(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9 30"x24"	J	NORTH M3-1(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9 30"x24"	O	SOUTH M3-3(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9 30"x24"	V	EAST M3-2(O) 24"x12" 187th St D3-1 36"x9" DETOUR M4-9L (MOD) 30"x24"	W	NORTH M3-1(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R (MOD) 30"x24"	LEGEND	
E	EAST M3-2(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R 30"x24"	K	NORTH M3-1(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R 30"x24"	P	END DETOUR M4-8o 24"x18"	R	DO NOT ENTER R5-1 30"x30"	<ul style="list-style-type: none"> — INDICATES DETOUR ROUTE ▨ CONSTRUCTION ZONE (WESTBOUND/NORTHBOUND TRAFFIC ONLY) → TRAFFIC FLOW (EASTBOUND/SOUTHBOUND DETOUR) ⊥ SIGN POSTS ▬ TYPE III BARRICADE WITH STEADY BURNING LIGHT Ⓢ TEMPORARY TRAFFIC SIGNAL TIMING 			
F	EAST M3-2(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9L 30"x24"	Q	NORTH M3-1(O) 24"x12" Chicago Heights Glenwood Rd D3-1 42"x9" DETOUR M4-9R 30"x24"	R							

NOTES

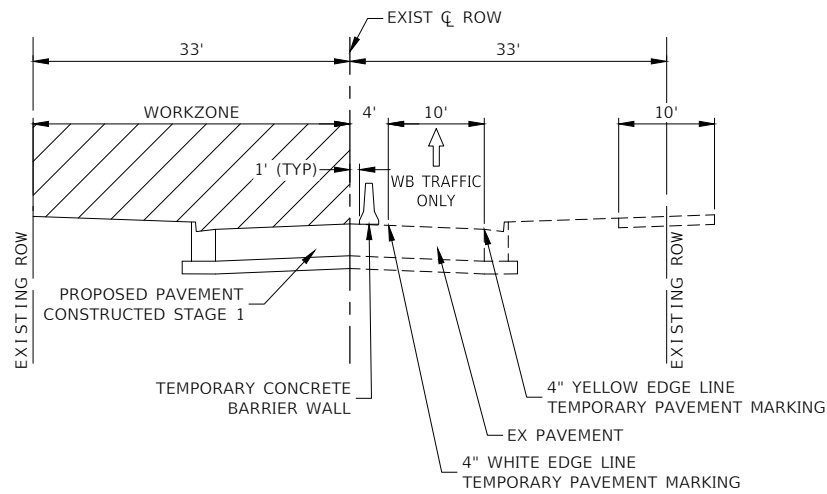
- ALL SIGNS, BARRICADES, SIGN'S LIGHTS & FLAGS SHALL BE IN ACCORDANCE WITH THOSE INDICATED IN TRAFFIC CONTROL STANDARDS OF MUTCD & STANDARD SPECIFICATIONS.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND VILLAGE OF GLENWOOD SHALL BE NOTIFIED TWO (2) WEEKS IN ADVANCE PRIOR TO THE OPERATION OF THIS DETOUR ROUTE FOR THE SUBJECT CONSTRUCTION.
- "D3-1" SIGNS SHALL HAVE 6" UPPERCASE/4.5" LOWERCASE BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
- TRAFFIC CONTROL AND PROTECTION, INCLUDING DETOUR PLAN/ROUTING, SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR THIS PROJECT, SECTION 701 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", APPLICABLE GUIDELINES IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- IDOT TRAFFIC CONTROL STANDARDS LISTED BY REFERENCE IN THE SPECIAL PROVISIONS SHALL BE USED AS GUIDES IN IMPLEMENTING THE TRAFFIC CONTROL, INCLUDING SIGN LOCATIONS, FOR THIS PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED, OR REMOVED, BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER
- 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 SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

FILE NAME = 11558_02-DETR-01 - STAGE 3 AND 4	USER NAME =	DESIGNED - PS	REVISED -
		CHECKED - JDH	REVISED -
	PLOT SCALE =	DRAWN - DS	REVISED -
	PLOT DATE = 07-08-24	CHECKED - AG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

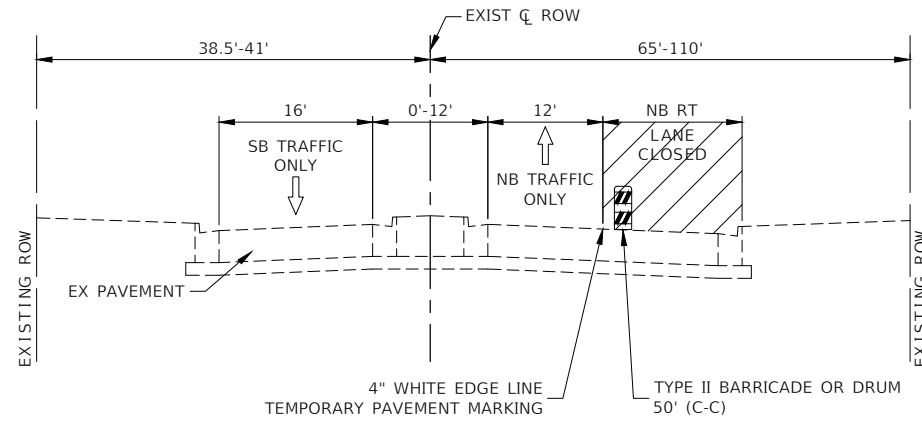
187TH STREET ROAD RECONSTRUCTION DETOUR PLAN - STAGE 3 AND 4		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N/A	SHEET NO. 39 OF 125 SHEETS	STA.	TO STA.	1624	11-00052-00-CH	COOK 125 39
				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	39
CONTRACT NO. 61K48				



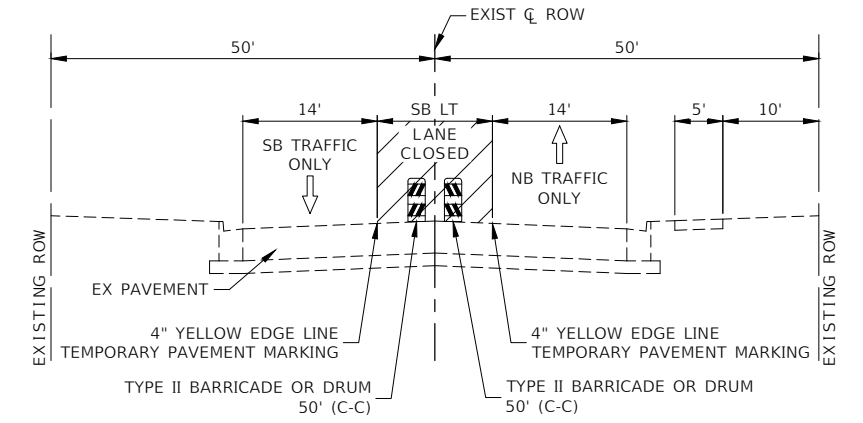
STAGE 1 - TYPICAL CROSS SECTIONS

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 34+48.73 TO STA 40+69.34



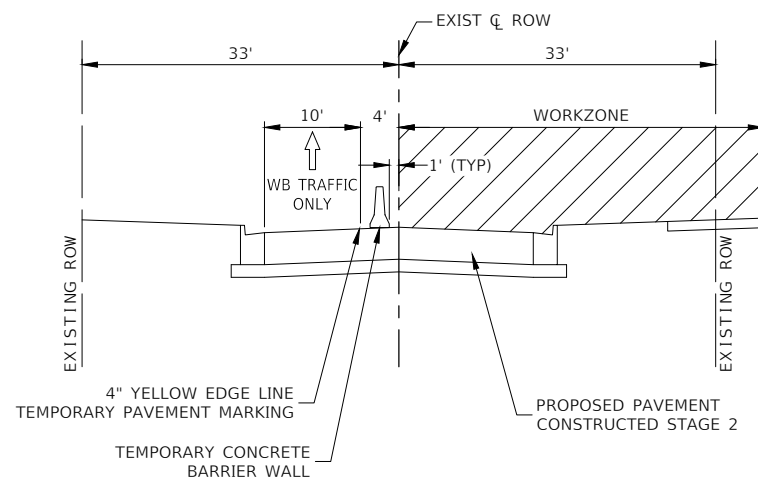
STAGE 1 - TYPICAL CROSS SECTION

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 13+95.67 TO STA 15+69.80



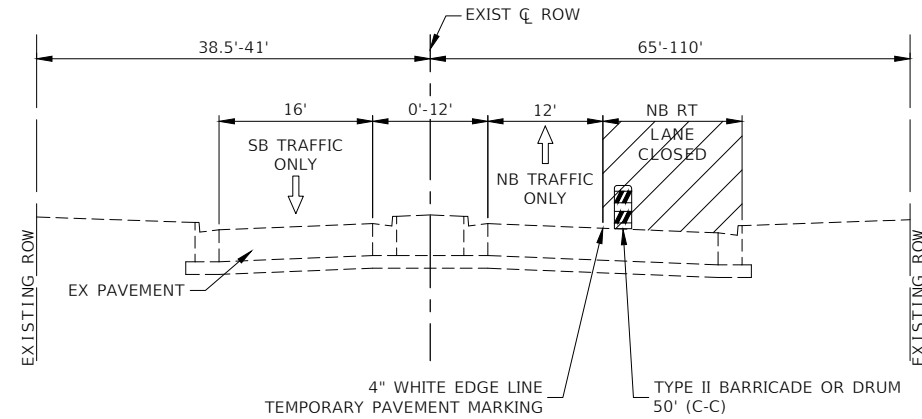
STAGE 1 - TYPICAL CROSS SECTION

187TH STREET
STA 16+56.44 TO STA 19+85.00



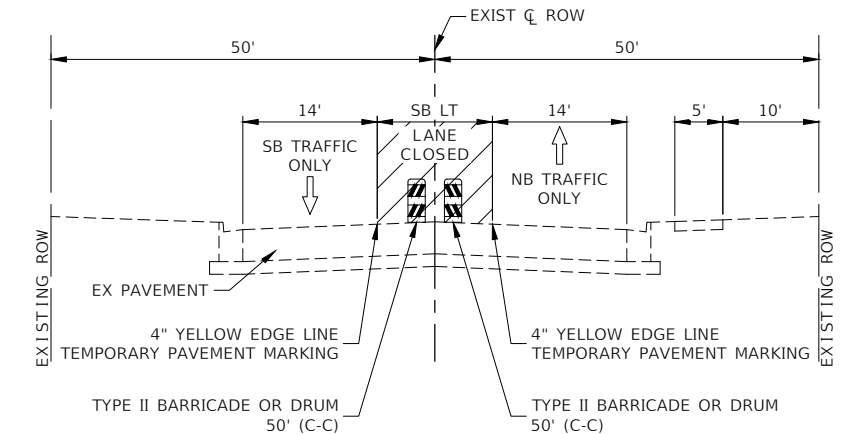
STAGE 2 - TYPICAL CROSS SECTIONS

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 34+48.73 TO STA 40+69.34



STAGE 2 - TYPICAL CROSS SECTION

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 13+95.67 TO STA 15+69.80



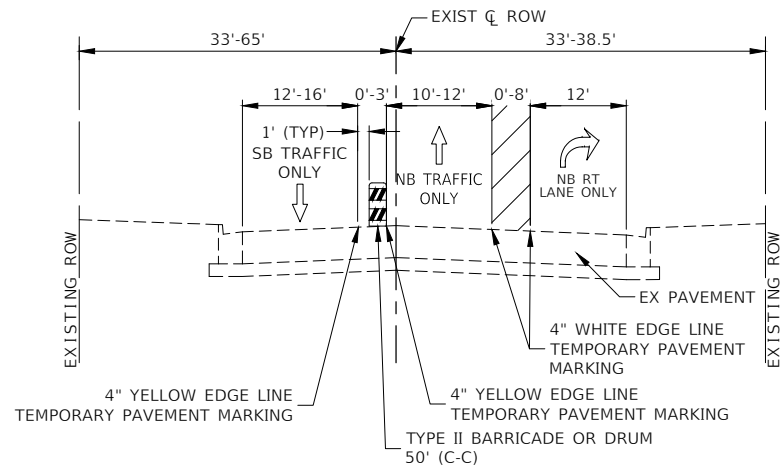
STAGE 2 - TYPICAL CROSS SECTION

187TH STREET
STA 16+56.44 TO STA 19+85.00

FILE NAME = 11558_02-TCOON-TPYX-01 - IDOT P01	USER NAME =	DESIGNED -- PS	REVISED --
		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- DS	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

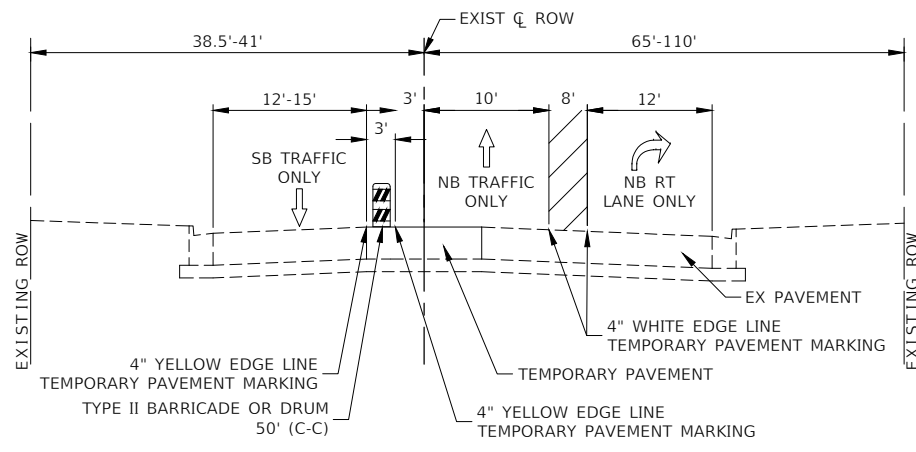
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION STAGING CROSS SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		1624	11-00052-00-CH	COOK	125	41
SHEET NO. 41 OF 125 SHEETS		STA. TO STA.		CONTRACT NO. 61K48		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



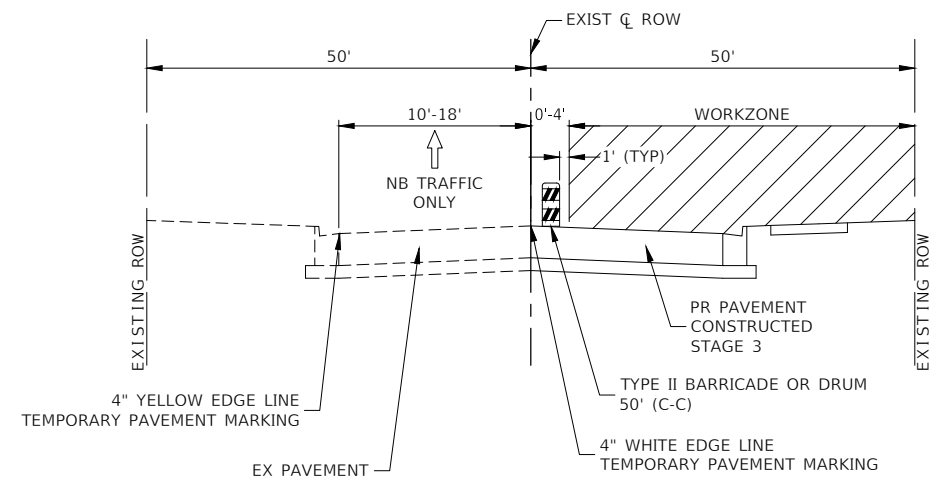
STAGE 3 - TYPICAL CROSS SECTION

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 12+10.02 TO STA 13+95.67



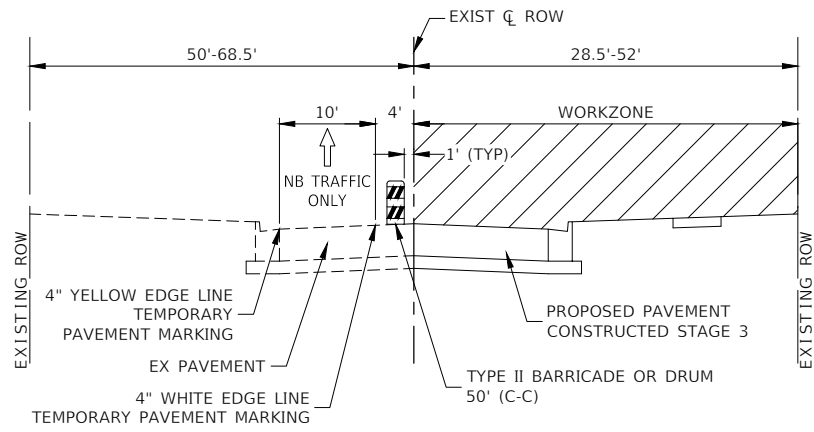
STAGE 3 - TYPICAL CROSS SECTION

CHICAGO HEIGHTS-GLENWOOD ROAD
STA 13+95.67 TO STA 15+69.04



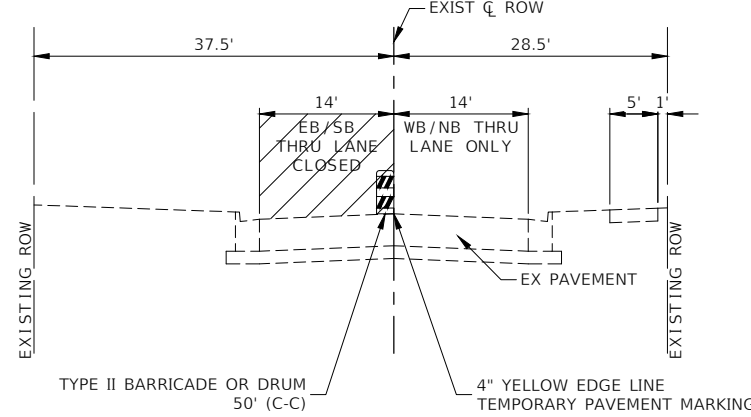
STAGE 3 - TYPICAL CROSS SECTION

187TH STREET
STA 16+61.43 TO STA 18+50.00



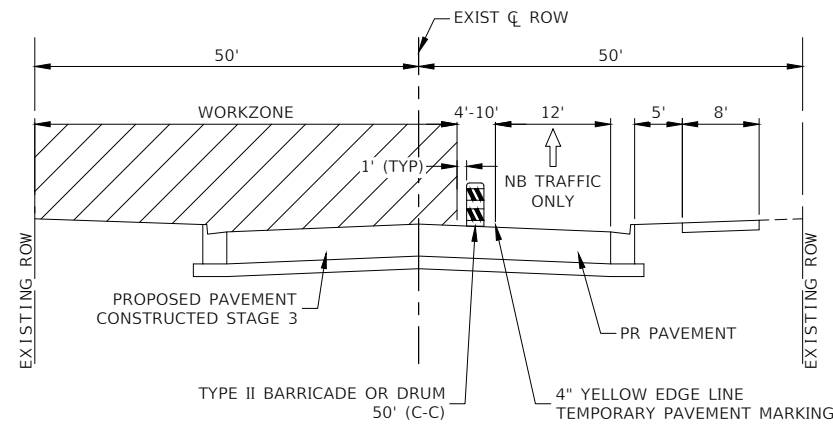
STAGE 3 - TYPICAL CROSS SECTION

187TH STREET
STA 18+50.00 TO STA 26+36.00



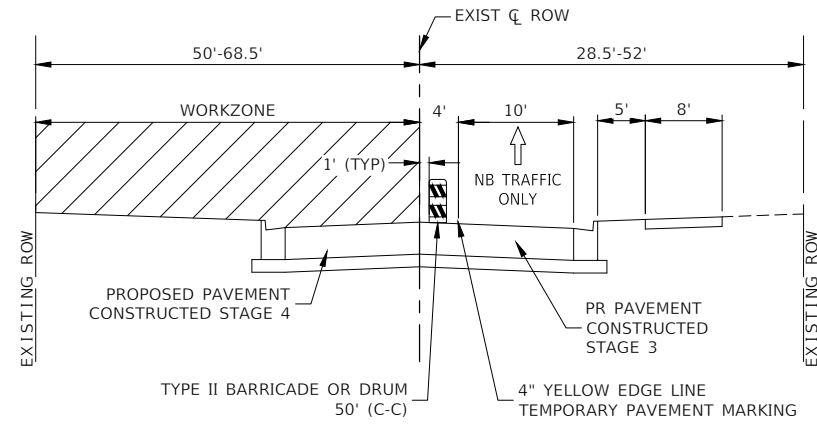
STAGE 3&4 - TYPICAL CROSS SECTION

187TH STREET
STA 26+36.00 TO STA 32+68.42



STAGE 4 - TYPICAL CROSS SECTION

187TH STREET
STA 16+61.43 TO STA 21+05.73



STAGE 4 - TYPICAL CROSS SECTION

187TH STREET
STA 21+05.73 TO STA 26+36.00

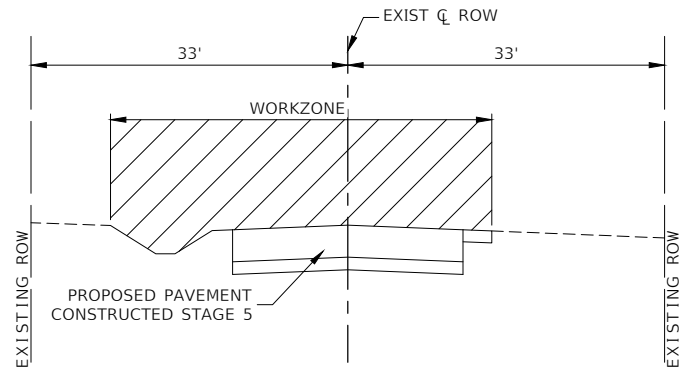
FILE NAME = 11558_02-TCON-TPYX-01 - IDOT P02

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- DS	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

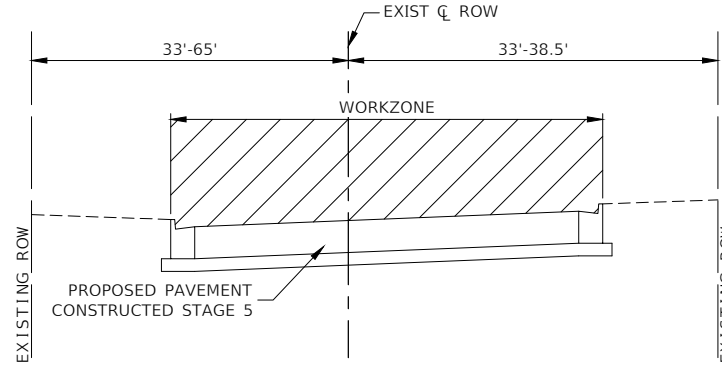
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION STAGING CROSS SECTIONS	
SCALE:	SHEET NO. 42 OF 125 SHEETS STA. TO STA.

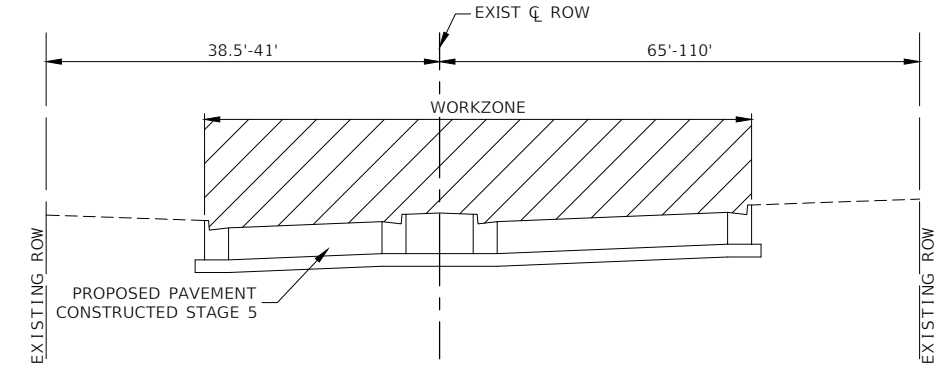
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	42
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



STAGE 5 - TYPICAL CROSS SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 1+88.25 TO STA 11+58.00
(BRIDGE OMISSION STA 4+72.28 TO STA 5+44.08)



STAGE 5 - TYPICAL CROSS SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 11+58.00 TO STA 13+36.28



STAGE 5 - TYPICAL CROSS SECTION
CHICAGO HEIGHTS-GLENWOOD ROAD
STA 13+36.28 TO STA 15+74.32

FILE NAME = 11558_02-TCON-TPYX-01 - IDOT P03

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- DS	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION STAGING CROSS SECTIONS	
SCALE:	STA. TO STA.
SHEET NO. 43 OF 125 SHEETS	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	43
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

GENERAL STAGING NOTES

CHICAGO HEIGHTS GLENWOOD ROAD (EAST LEG)

STAGE 1 CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER ON SOUTH HALF OF CHICAGO HEIGHTS GLENWOOD ROAD TO REFLECT STAGE 1 TRAFFIC CONFIGURATION.
- CONSTRUCT PROPOSED PAVEMENT, CURB AND GUTTER, AND INCIDENTAL ITEMS ON NORTH HALF OF CHICAGO HEIGHTS GLENWOOD ROAD FROM CENTERLINE OF CONSTRUCTION.

STAGE 1 TRAFFIC CONTROL

- ESTABLISH AND MAINTAIN THE EASTBOUND CHICAGO HEIGHTS GLENWOOD ROAD DETOUR ROUTE UTILIZING HALSTED ST, RIDGE RD, MARGARET ST, AND VINCENNES AVE.
- MAINTAIN 1-10' WESTBOUND LANE OF TRAFFIC ON SOUTH HALF OF CHICAGO HEIGHTS GLENWOOD ROAD ON EXISTING PAVEMENT.
- UTILIZE TEMPORARY TRAFFIC SIGNAL AT 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD FOR TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION. DISCONNECT AND BAG SOUTHBOUND LEFT TURN TRAFFIC SIGNAL HEADS AND NORTHBOUND RIGHT TURN SIGNAL HEADS.

STAGE 2 CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT MARKINGS AND RELOCATE TEMPORARY CONCRETE BARRIER ON NORTH HALF OF CHICAGO HEIGHTS GLENWOOD ROAD TO REFLECT STAGE 2 TRAFFIC CONFIGURATION.
- CONSTRUCT PROPOSED PAVEMENT, CURB AND GUTTER, AND INCIDENTAL ITEMS ON SOUTH HALF OF CHICAGO HEIGHTS GLENWOOD ROAD FROM CENTERLINE OF CONSTRUCTION.

STAGE 2 TRAFFIC CONTROL

- MAINTAIN THE EASTBOUND CHICAGO HEIGHTS GLENWOOD ROAD DETOUR ROUTE UTILIZING HALSTED ST, RIDGE RD, MARGARET ST, AND VINCENNES AVE.
- MAINTAIN 1-10' WESTBOUND LANE OF TRAFFIC ON NORTH HALF OF CHICAGO HEIGHTS GLENWOOD ROAD ON EXISTING PAVEMENT.
- UTILIZE TEMPORARY TRAFFIC SIGNAL AT 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD FOR TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION. DISCONNECT AND BAG SOUTHBOUND LEFT TURN TRAFFIC SIGNAL HEADS AND NORTHBOUND RIGHT TURN SIGNAL HEADS.

STAGE 3 & 4 TRAFFIC CONTROL

- MAINTAIN 1 WESTBOUND SHARED THRU/LEFT TURN LANE, 1 WESTBOUND RIGHT TURN LANE AND 1 EASTBOUND LANE IN EXISTING TRAVEL LANES.

STAGE 5 TRAFFIC CONTROL

- PROHIBIT WESTBOUND TO SOUTHBOUND LEFT TURN. MAINTAIN 1 WESTBOUND SHARED THRU TURN LANE, 1 WESTBOUND RIGHT TURN LANE AND 1 EASTBOUND LANE IN EXISTING TRAVEL LANES.

187TH STREET (NORTH LEG)

PRE-STAGE CONSTRUCTION (NOT ILLUSTRATED)

- INSTALL TEMPORARY TRAFFIC SIGNAL AT INTERSECTION OF 187TH STREET AND CHICAGO-HEIGHTS GLENWOOD ROAD.
- ERECT AND COVER ALL REQUIRED SIGNAGE ASSOCIATED WITH THE CHICAGO HEIGHTS GLENWOOD ROAD CONSTRUCTION DETOUR ROUTE, UTILIZING HALSTED ST, RIDGE RD, MARGARET ST, AND VINCENNES AVE.
- INSTALL PROPOSED STORM SEWER CROSSING ON 187TH STREET (NORTH LEG) NEAR STA 26+00.

PRE-STAGE TRAFFIC CONTROL

- MAINTAIN TRAFFIC ON 184TH STREET (NORTH LEG) IN EXISTING TRAVEL LANES.
- THE WORK TO BE PERFORMED IN THE PRE-STAGE MAY BE COMPLETED USING HIGHWAY STANDARDS 701501 AND 701502.

STAGE 1 & 2 TRAFFIC CONTROL

- CLOSE SOUTHBOUND LEFT TURN LANE. MAINTAIN 1 SOUTHBOUND LANE AND 1 NORTHBOUND LANE IN EXISTING TRAVEL LANES.

STAGE 3 CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT MARKINGS ON WEST HALF OF 187TH STREET TO REFLECT STAGE 3 TRAFFIC CONFIGURATION.
- REMOVE EXISTING MEDIAN ON THE SOUTH LEG OF THE INTERSECTION AND CONSTRUCT TEMPORARY PAVEMENT.
- CONSTRUCT PROPOSED PAVEMENT, CURB AND GUTTER, STORM SEWERS, AND INCIDENTAL ITEMS ON EAST HALF OF 187TH STREET FROM CENTERLINE OF CONSTRUCTION.

STAGE 3 TRAFFIC CONTROL

- RE-INSTITUTE TWO-WAY TRAFFIC ON CHICAGO HEIGHTS GLENWOOD ROAD (EAST LEG).
- ESTABLISH AND MAINTAIN THE SOUTHBOUND 187TH STREET DETOUR ROUTE UTILIZING HALSTED ST, HOLBROOK RD, CHICAGO HEIGHTS GLENWOOD RD (SOUTH LEG).
- MAINTAIN 1-10' NORTHBOUND LANE OF TRAFFIC ON WEST HALF OF 187TH STREET ON EXISTING PAVEMENT.
- UTILIZE TEMPORARY TRAFFIC SIGNAL AT 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD FOR TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION. DISCONNECT AND BAG ALL SOUTHBOUND TRAFFIC SIGNAL HEADS.

STAGE 3A CONSTRUCTION

- MILL AND OVERLAY EASTERN PORTION OF THE 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD INTERSECTION.

STAGE 3A TRAFFIC CONTROL

- MAINTAIN STAGE 3 TRAFFIC CONFIGURATION ON 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD VIA FLAGGING OPERATIONS.
- THE WORK TO BE PERFORMED IN STAGE 3A MAY BE COMPLETED USING HIGHWAY STANDARDS 701501.

STAGE 4A CONSTRUCTION

- MILL AND OVERLAY THE WESTERN PORTION OF THE 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD INTERSECTION.

STAGE 4A TRAFFIC CONTROL

- INSTALL TEMPORARY PAVEMENT MARKINGS ON EAST HALF OF 187TH STREET TO REFLECT STAGE 4 TRAFFIC CONFIGURATION.
- MAINTAIN TWO-WAY TRAFFIC ON 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD VIA FLAGGING OPERATIONS.
- THE WORK TO BE PERFORMED IN STAGE 4A MAY BE COMPLETED USING HIGHWAY STANDARDS 701501.

STAGE 4 CONSTRUCTION

- CONSTRUCT PROPOSED PAVEMENT, CURB AND GUTTER, STORM SEWERS, AND INCIDENTAL ITEMS ON WEST HALF OF 187TH STREET FROM CENTERLINE OF CONSTRUCTION.

STAGE 4 TRAFFIC CONTROL

- MAINTAIN THE SOUTHBOUND 187TH STREET DETOUR ROUTE UTILIZING HALSTED ST, HOLBROOK RD, CHICAGO HEIGHTS GLENWOOD RD (SOUTH LEG).
- MAINTAIN 1-10' NORTHBOUND LANE OF TRAFFIC ON EAST HALF OF 187TH STREET ON NEW PAVEMENT.
- UTILIZE TEMPORARY TRAFFIC SIGNAL AT 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD FOR TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION. DISCONNECT AND BAG ALL SOUTHBOUND TRAFFIC SIGNAL HEADS.

STAGE 4B CONSTRUCTION

- REMOVE AND REPLACE CURB AND GUTTER ALONG NORTH AND SOUTH SIDE OF 187TH STREET. CURB AND GUTTER SHALL BE REMOVED AND REPLACED ON ONLY ONE SIDE OF THE STREET AT A TIME.
- REMOVE AND REPLACE SIDEWALKS AND ADA RAMPS
- MILL AND OVERLAY EXISTING PAVEMENT.

STAGE 4B TRAFFIC CONTROL

- MAINTAIN TWO-WAY TRAFFIC ON 187TH STREET VIA FLAGGING OPERATIONS.
- THE WORK TO BE PERFORMED IN STAGE 4B MAY BE COMPLETED USING HIGHWAY STANDARDS 701501.

STAGE 5 TRAFFIC CONTROL

- THRU MOVEMENT PROHIBITED AT INTERSECTION. MAINTAIN 1 SOUTHBOUND RIGHT TURN LANE, ONCE SOUTHBOUND LEFT TURN LANE AND 1 NORTHBOUND LANE IN PROPOSED TRAVEL LANES.

CHICAGO HEIGHTS GLENWOOD ROAD - (SOUTH LEG)

STAGE 1 & 2 TRAFFIC CONTROL

- CLOSE NORTHBOUND RIGHT TURN LANE. MAINTAIN 1 SOUTHBOUND LANE AND 1 NORTHBOUND LANE IN EXISTING TRAVEL LANES.

STAGE 3 CONSTRUCTION

- REMOVE EXISTING MEDIAN ON THE SOUTH LEG OF THE INTERSECTION AND CONSTRUCT TEMPORARY PAVEMENT. INSTALL TEMPORARY PAVEMENT MARKINGS TO REFLECT STAGE 3 TRAFFIC CONFIGURATION.

STAGE 3 TRAFFIC CONTROL

- MAINTAIN 1 SOUTHBOUND LANE, 1 NORTHBOUND THRU LANE AND 1 NORTHBOUND RIGHT TURN LANE ON EXISTING OR TEMPORARY PAVEMENT.

STAGE 4 CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT MARKINGS TO REFLECT STAGE 4 TRAFFIC CONFIGURATION.

STAGE 4 TRAFFIC CONTROL

- MAINTAIN 1 SOUTHBOUND LANE, 1 NORTHBOUND THRU LANE AND 1 NORTHBOUND RIGHT TURN LANE ON EXISTING PAVEMENT.

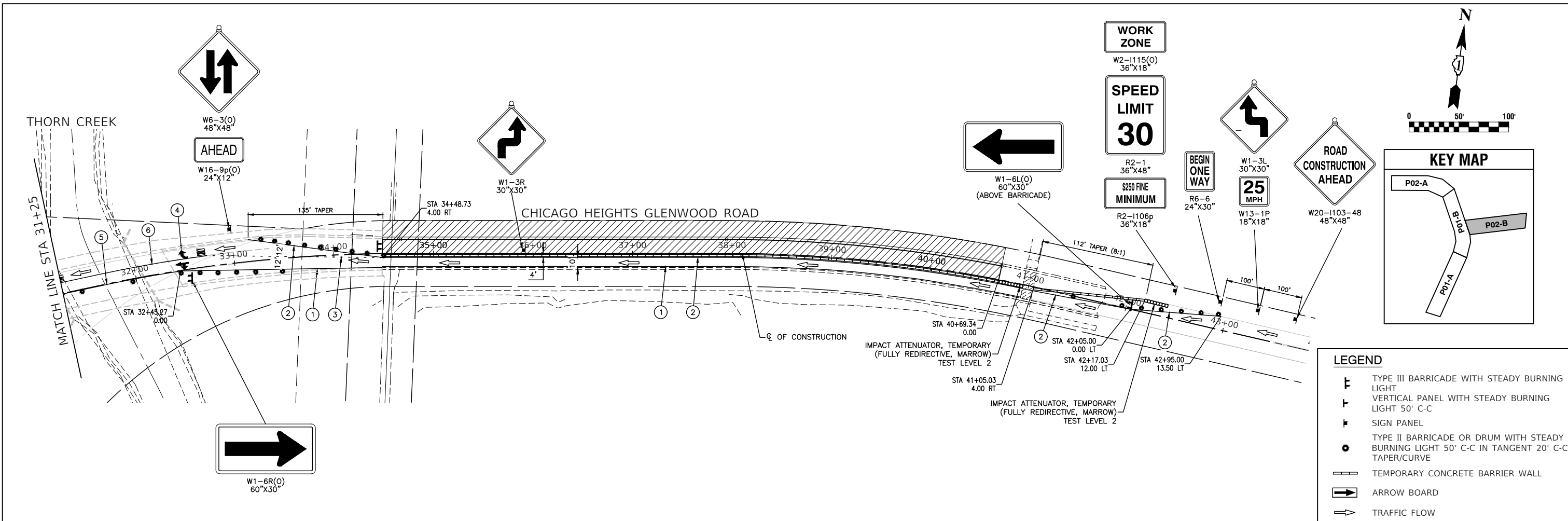
STAGE 5 CONSTRUCTION

- RE-INSTITUTE TWO-WAY TRAFFIC ON 187TH STREET (NORTH LEG).
- CHICAGO HEIGHTS GLENWOOD ROAD (SOUTH LEG) TO BE COMPLETELY CLOSED TO TRAFFIC DURING DURATION OF STAGE 5.
- CONSTRUCT PROPOSED PAVEMENT, CURB AND GUTTER, STORM SEWERS, AND INCIDENTAL ITEMS ON CHICAGO HEIGHTS GLENWOOD ROAD (SOUTH LEG).

STAGE 5 TRAFFIC CONTROL

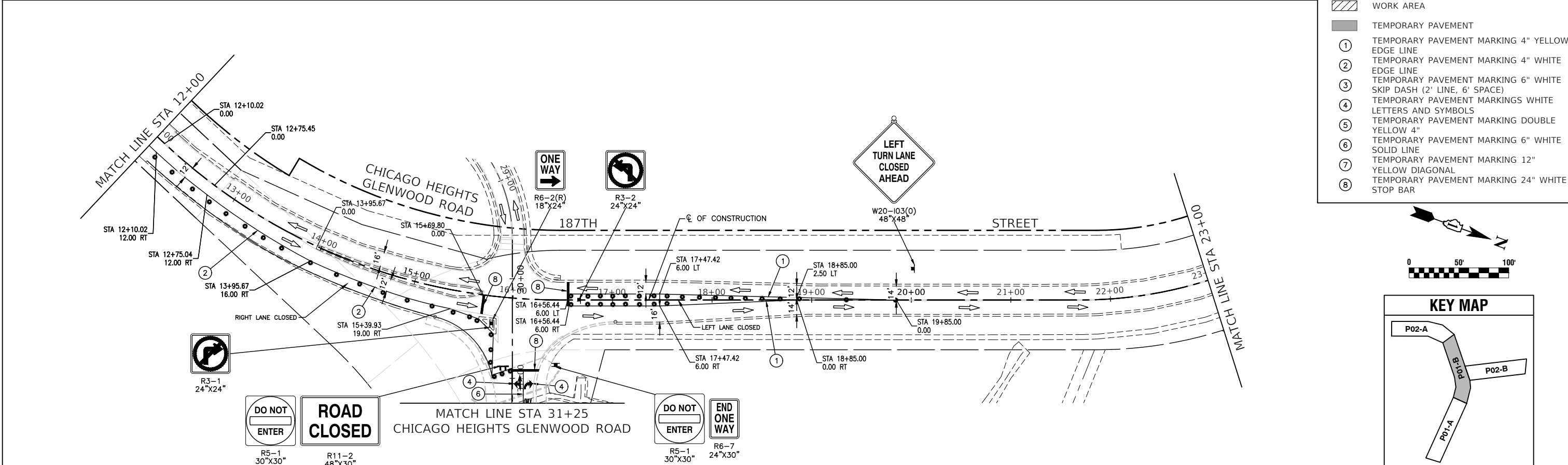
- INSTALL BARRICADES AND SIGNAGE FOR FULL ROAD CLOSURE.
- ESTABLISH AND MAINTAIN THE SOUTHBOUND AND NORTHBOUND CHICAGO HEIGHTS GLENWOOD ROAD DETOUR ROUTE UTILIZING 187TH STREET, HALSTED STREET, AND HOLBROOK ROAD.
- UTILIZE TEMPORARY TRAFFIC SIGNAL AT 187TH STREET AND CHICAGO HEIGHTS GLENWOOD ROAD FOR TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION. DISCONNECT AND BAG ALL NORTHBOUND TRAFFIC SIGNAL HEADS. DISCONNECT AND BAG WESTBOUND LEFT TURN TRAFFIC SIGNAL HEADS.

FILE NAME = 11558_02-TCOON-NOTES-01 - GN01	USER NAME =	DESIGNED -- PS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION SUGGESTED CONSTRUCTION STAGING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- JDH	REVISED --		1624	11-00052-00-CH	COOK	125	44			
	PLOT SCALE =	DRAWN -- DS	REVISED --		SCALE: NONE			SHEET NO. 44 OF 125 SHEETS			STA.	TO STA.
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT S2XJ(109)			

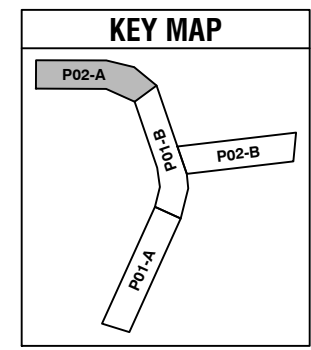
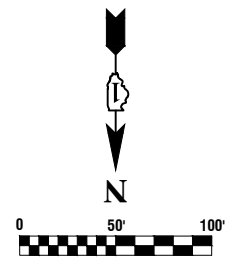


LEGEND

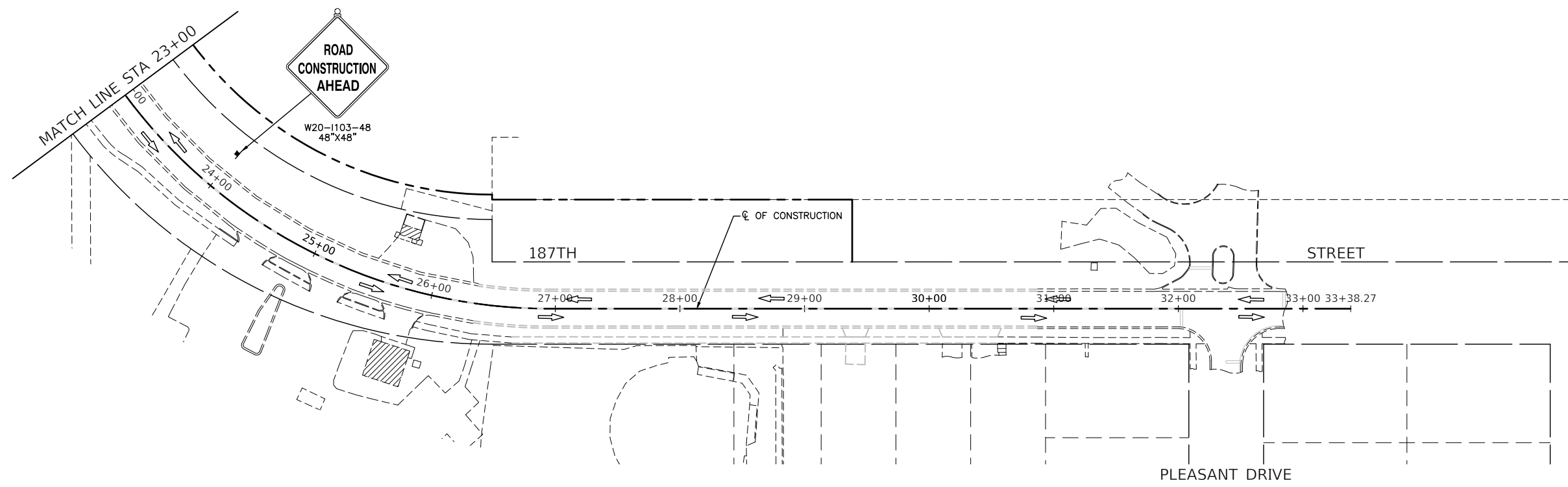
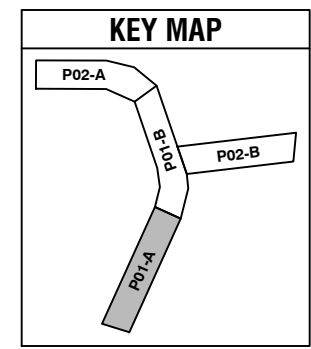
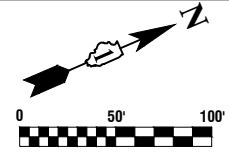
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
- SIGN PANEL
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
- TEMPORARY CONCRETE BARRIER WALL
- ARROW BOARD
- TRAFFIC FLOW
- WORK AREA
- TEMPORARY PAVEMENT
- ① TEMPORARY PAVEMENT MARKING 4" YELLOW EDGE LINE
- ② TEMPORARY PAVEMENT MARKING 4" WHITE EDGE LINE
- ③ TEMPORARY PAVEMENT MARKING 6" WHITE SKIP DASH (2' LINE, 6' SPACE)
- ④ TEMPORARY PAVEMENT MARKINGS WHITE LETTERS AND SYMBOLS
- ⑤ TEMPORARY PAVEMENT MARKING DOUBLE YELLOW 4"
- ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
- ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
- ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



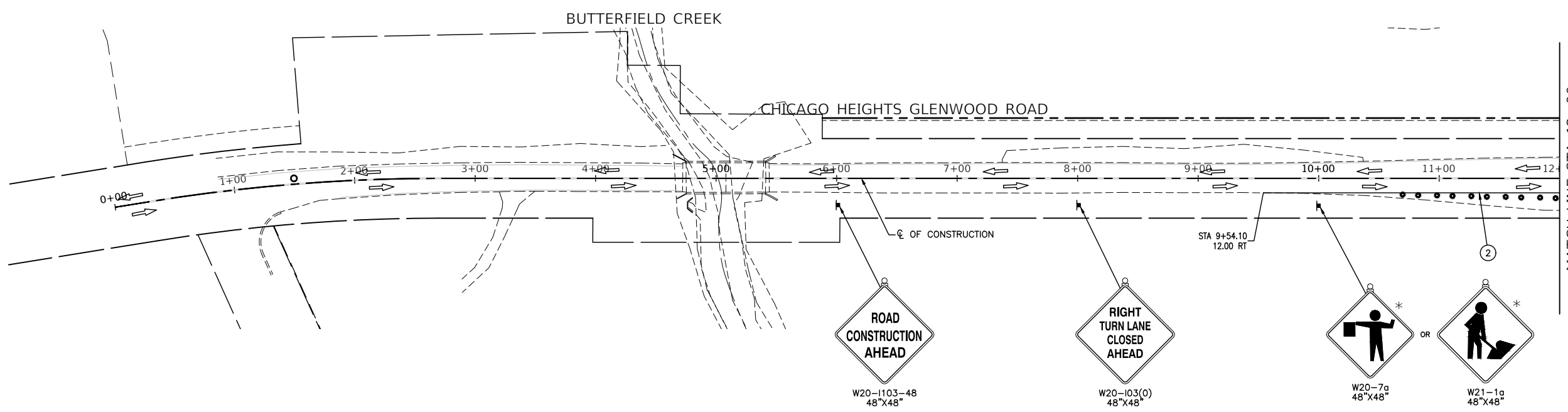
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		CHECKED -- JDH	REVISD --		1624	11-00052-00-CH	COOK	125	45			
		DRAWN -- RG	REVISD --		CONTRACT NO. 61K48							
		CHECKED -- AG	REVISD --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)							
PLOT SCALE =				SCALE: 1"=50'	SHEET NO. 45 OF 125 SHEETS	STA.	TO STA.					



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
 - TEMPORARY CONCRETE BARRIER WALL
 - ARROW BOARD
 - TRAFFIC FLOW
 - WORK AREA
 - TEMPORARY PAVEMENT
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 - TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



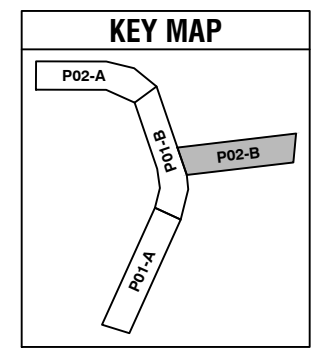
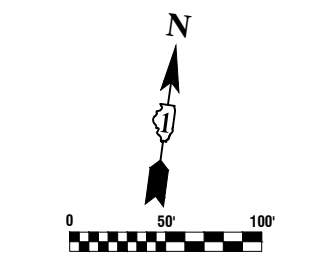
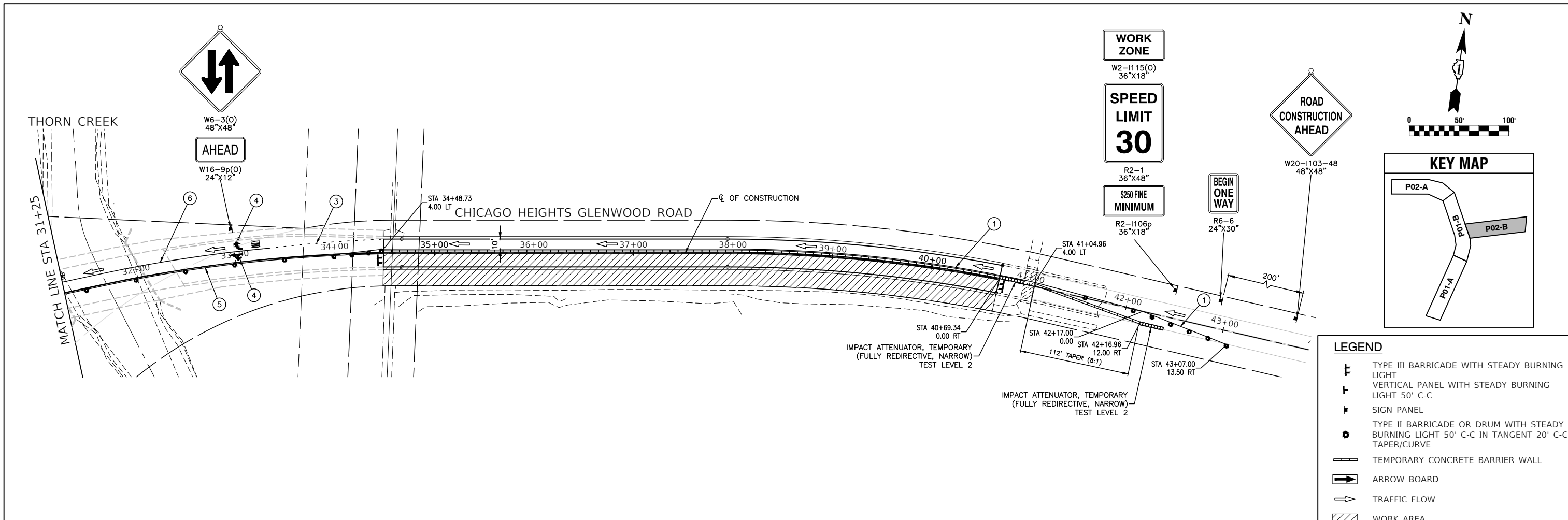
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USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

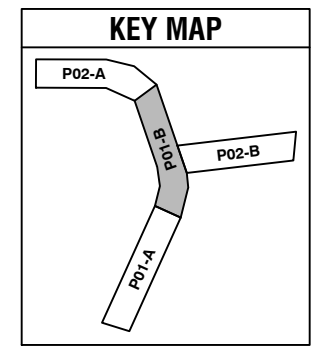
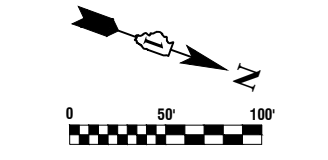
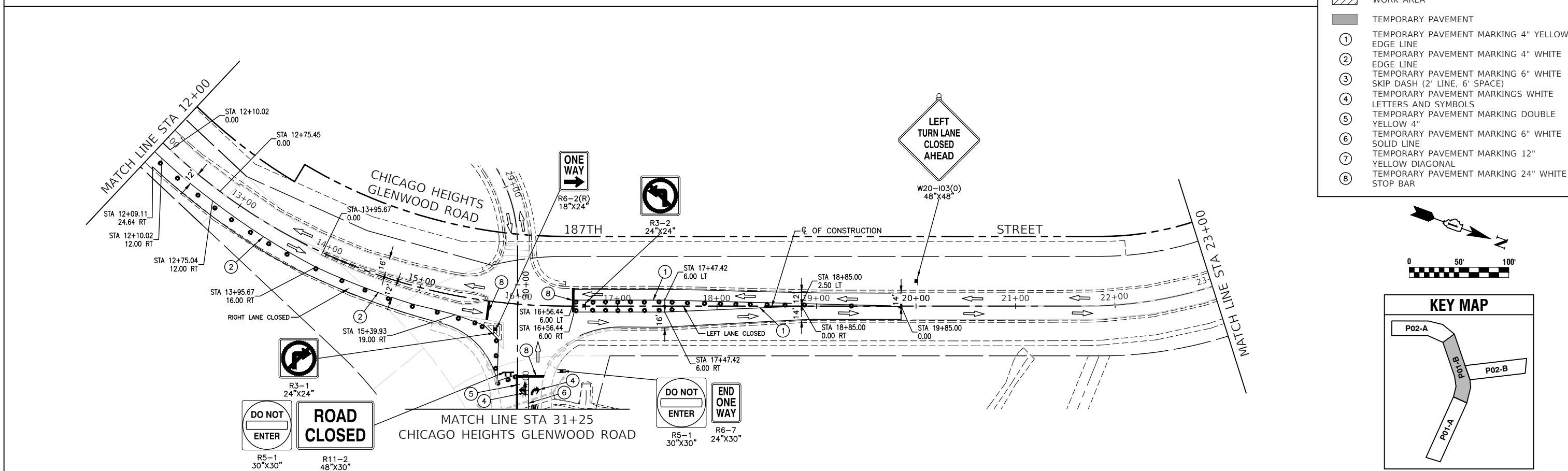
187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 1
SCALE: 1"=50' SHEET NO. 46 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	46
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

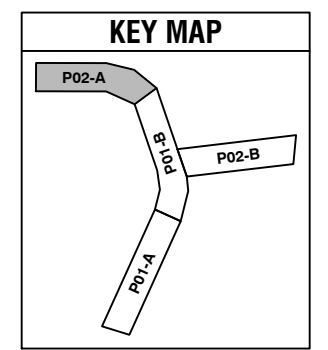
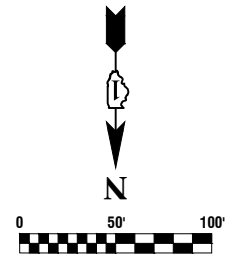


LEGEND

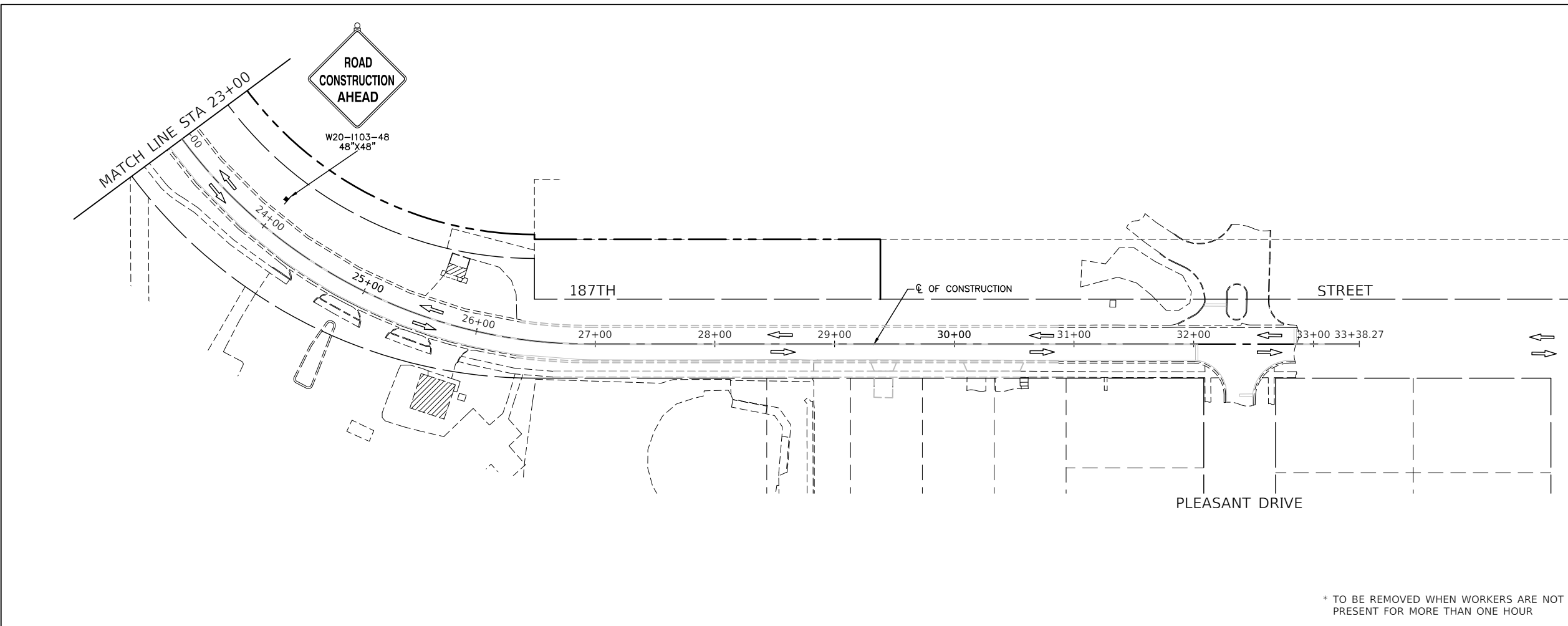
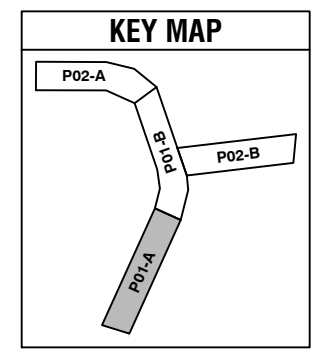
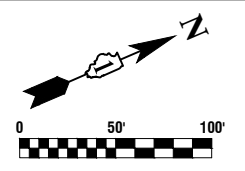
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
- SIGN PANEL
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
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- ARROW BOARD
- TRAFFIC FLOW
- WORK AREA
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- ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
- ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



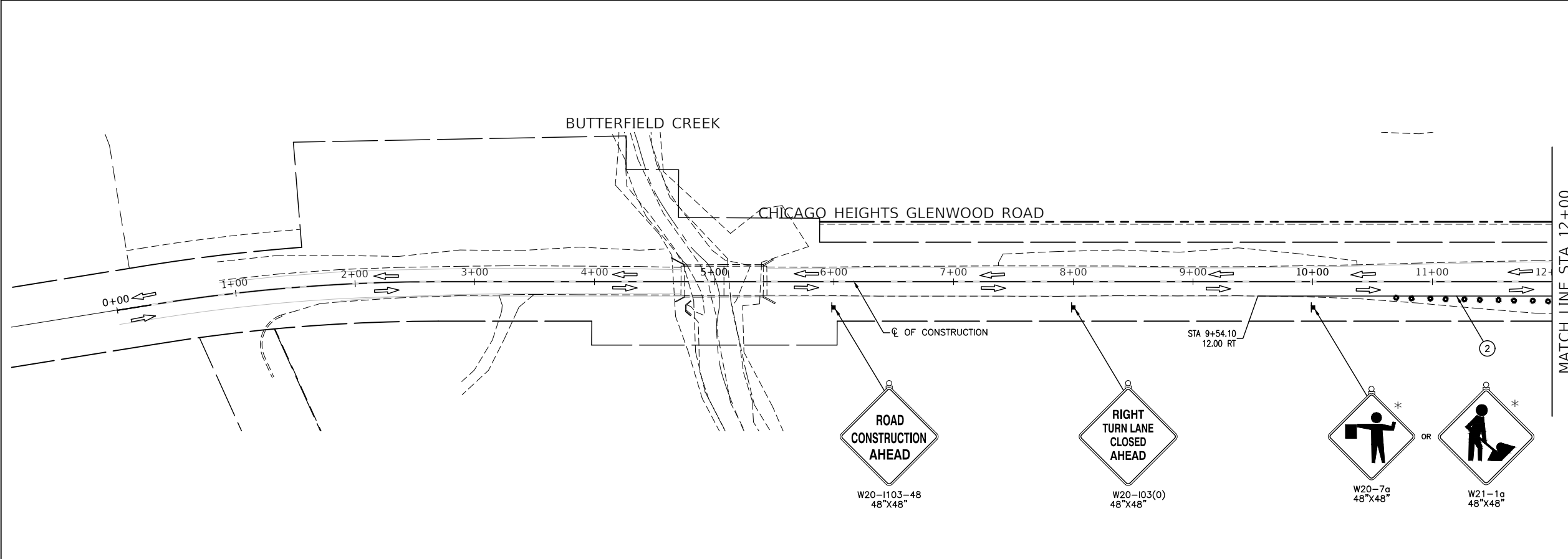
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	PLOT SCALE =	DRAWN -- RG	REVISIONS --		SCALE: 1"=50'	SHEET NO. 47 OF 125 SHEETS	STA. TO STA.	CONTRACT NO. 61K48		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISIONS --					CONTRACT NO. 61K48				
								CONTRACT NO. 61K48				



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
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 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



FILE NAME = 11558_02-TCON-02 - P02

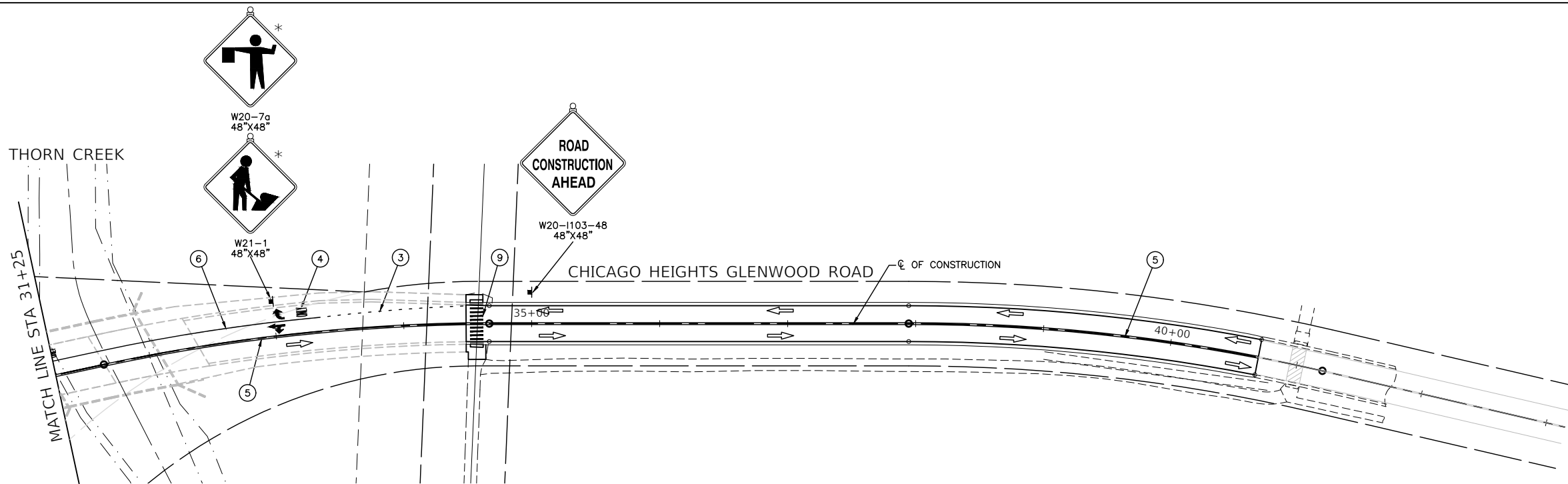
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 2**

SCALE: 1"=50' SHEET NO. 48 OF 125 SHEETS STA. TO STA.

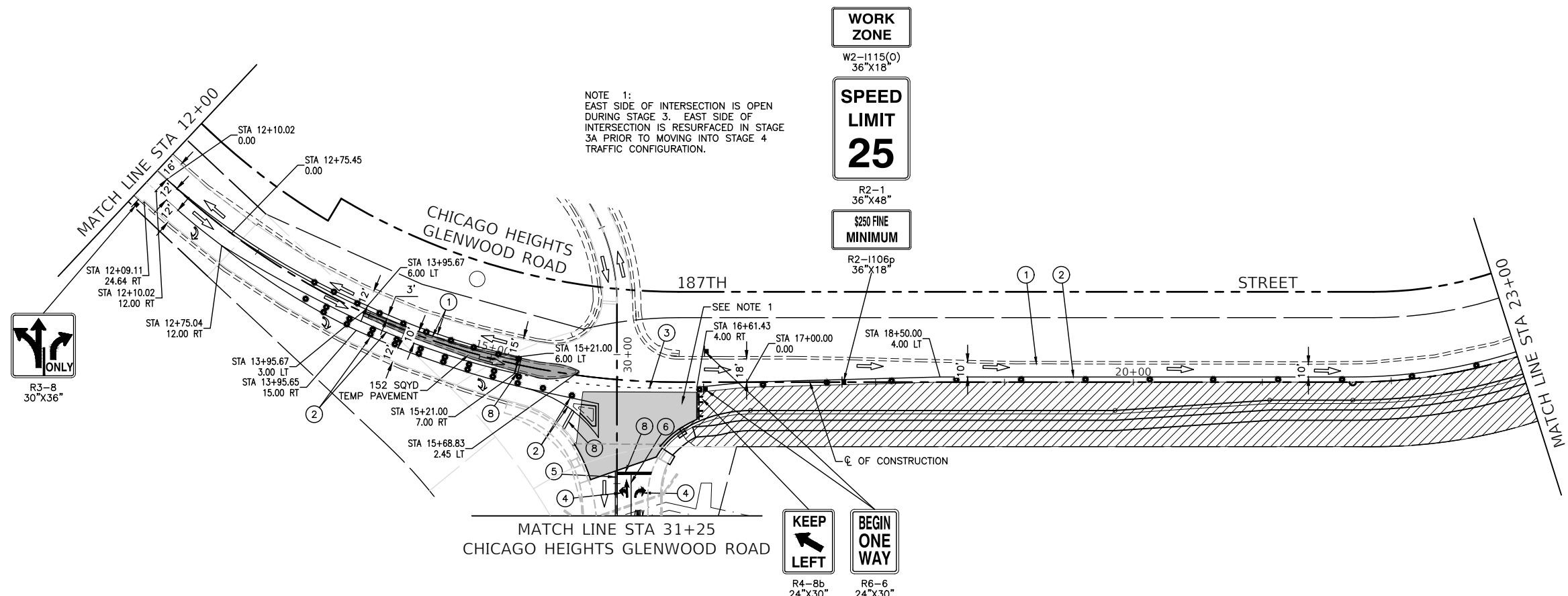
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	48
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



LEGEND

- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
- SIGN PANEL
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
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- ARROW BOARD
- TRAFFIC FLOW
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- ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
- ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR

* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



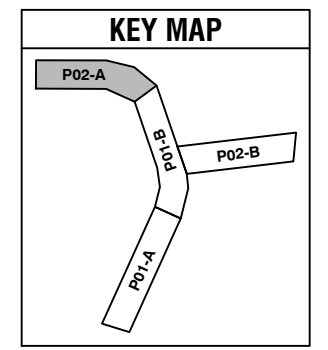
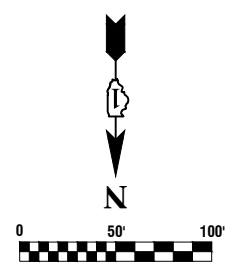
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	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

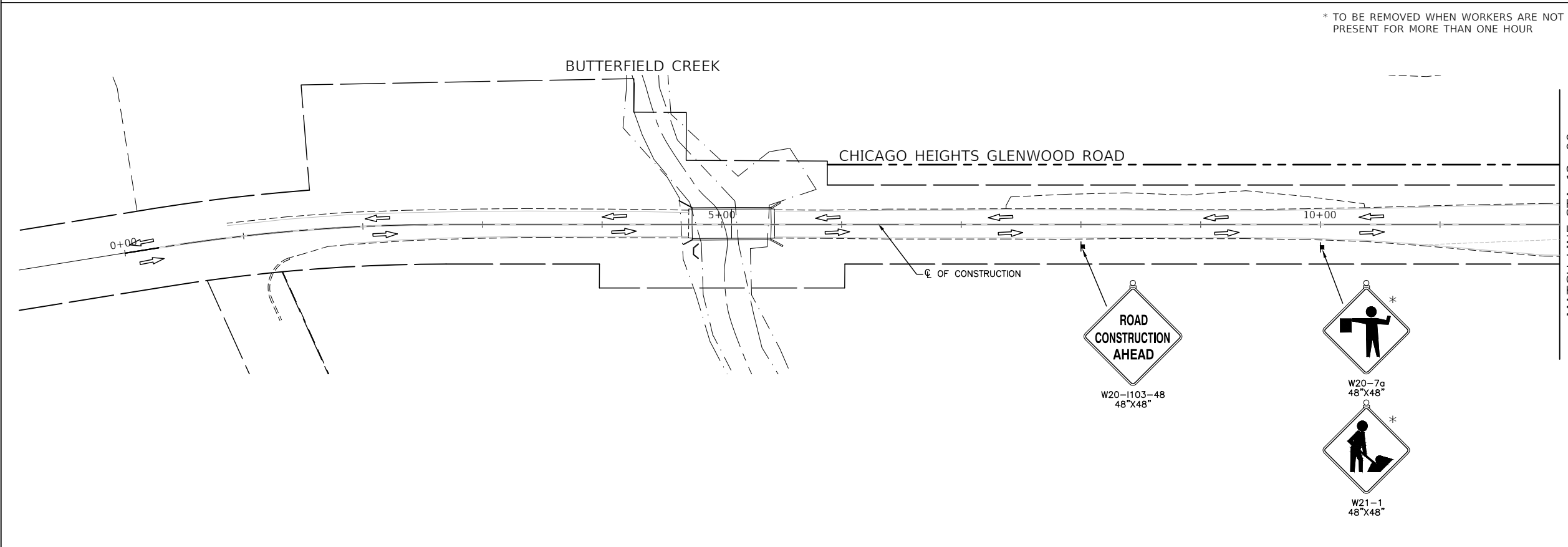
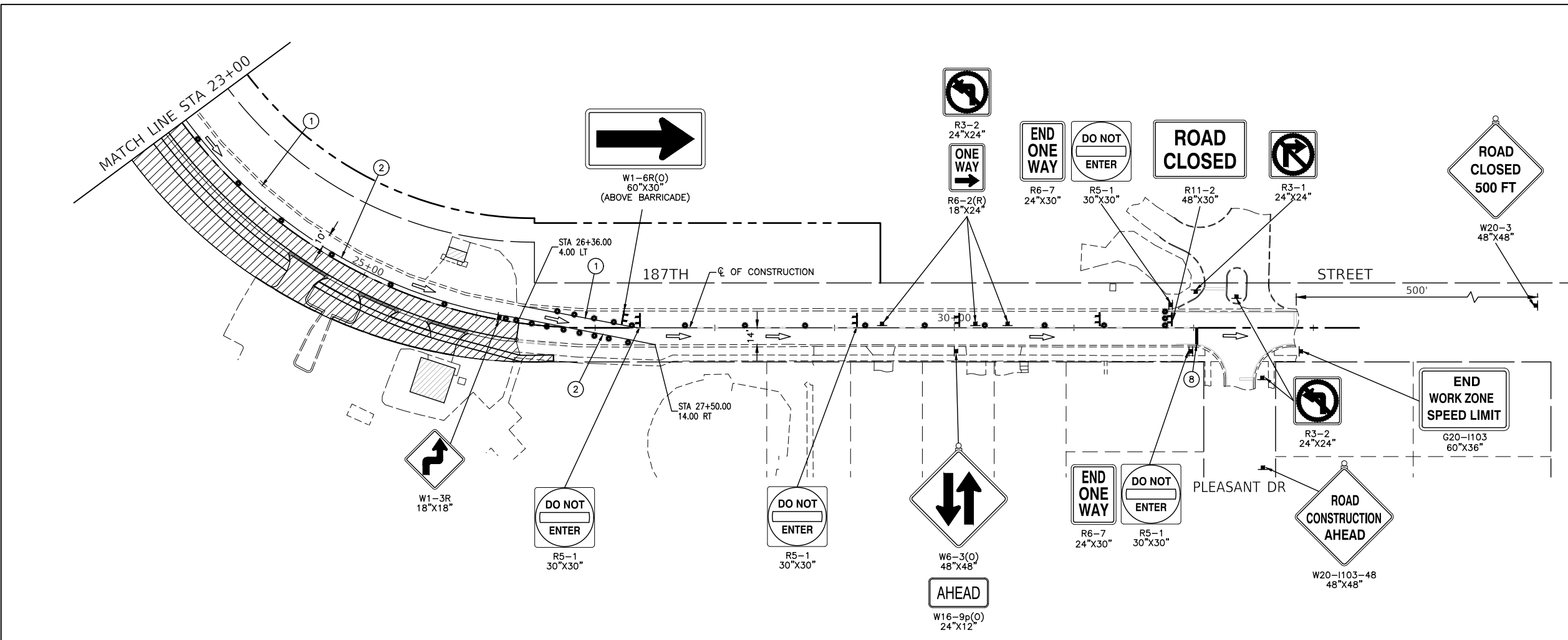
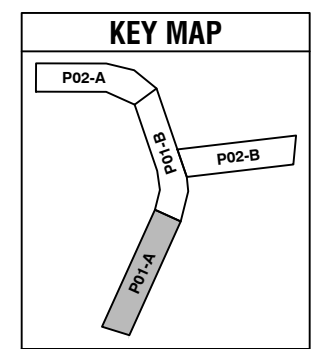
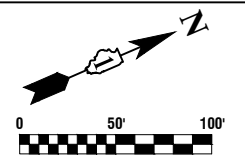
187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 3

SCALE: 1"=50' SHEET NO. 49 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	49
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
 - TEMPORARY CONCRETE BARRIER WALL
 - ARROW BOARD
 - TRAFFIC FLOW
 - WORK AREA
 - TEMPORARY PAVEMENT
 - ① TEMPORARY PAVEMENT MARKING 4" YELLOW EDGE LINE
 - ② TEMPORARY PAVEMENT MARKING 4" WHITE EDGE LINE
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 - ⑤ TEMPORARY PAVEMENT MARKING DOUBLE YELLOW 4"
 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

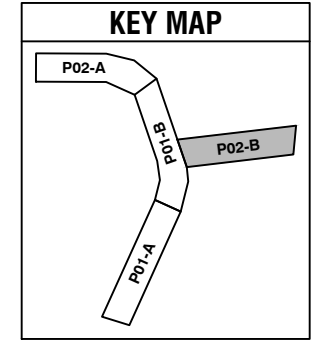
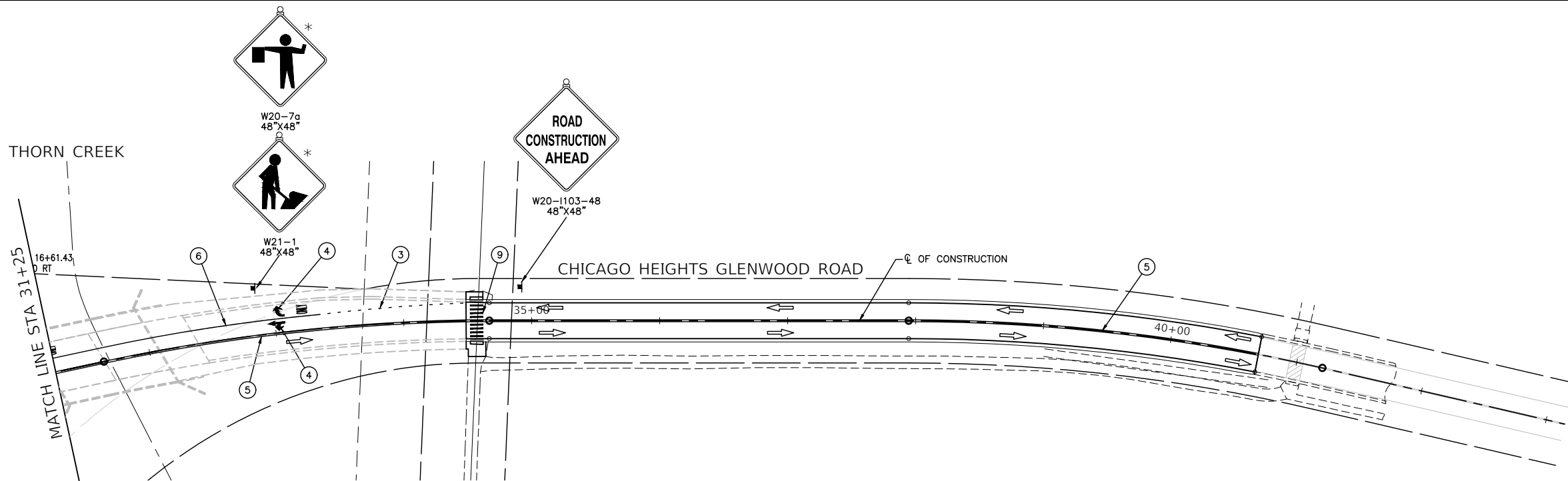
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 PLOT SCALE =
 PLOT DATE = 07-08-24

DESIGNED -- PS	REVISOR --
CHECKED -- JDH	REVISOR --
DRAWN -- RG	REVISOR --
CHECKED -- AG	REVISOR --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

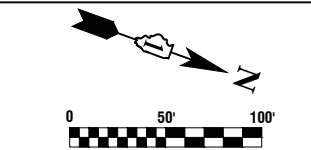
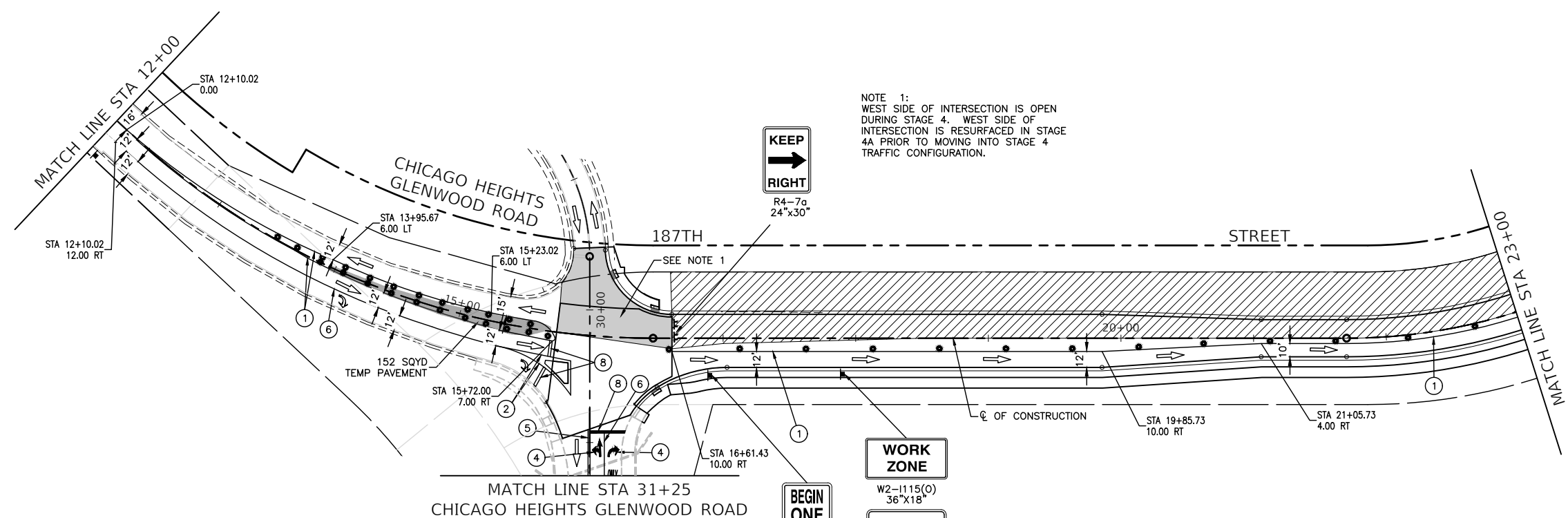
187TH STREET
 ROAD RECONSTRUCTION
 SUGGESTED CONSTRUCTION STAGING - STAGE 3
 SCALE: 1"=50'
 SHEET NO. 50 OF 125 SHEETS
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	50
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
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 - ARROW BOARD
 - TRAFFIC FLOW
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 - TEMPORARY PAVEMENT
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 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR

* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



FILE NAME = 11558_02-TCON-04 - P01

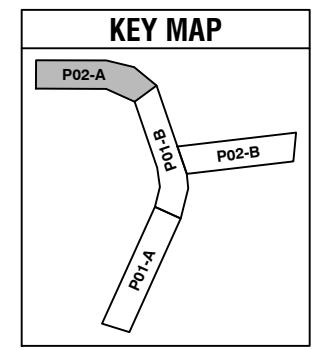
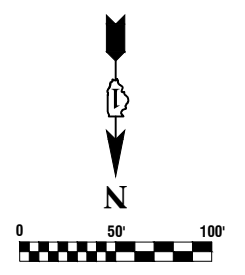
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

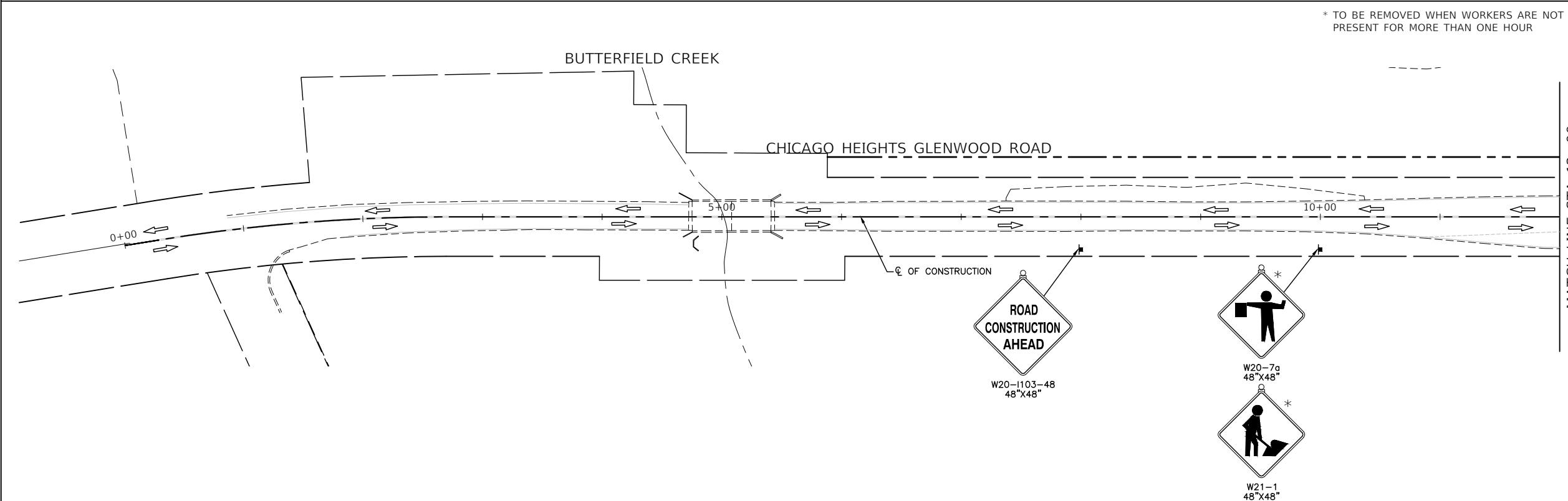
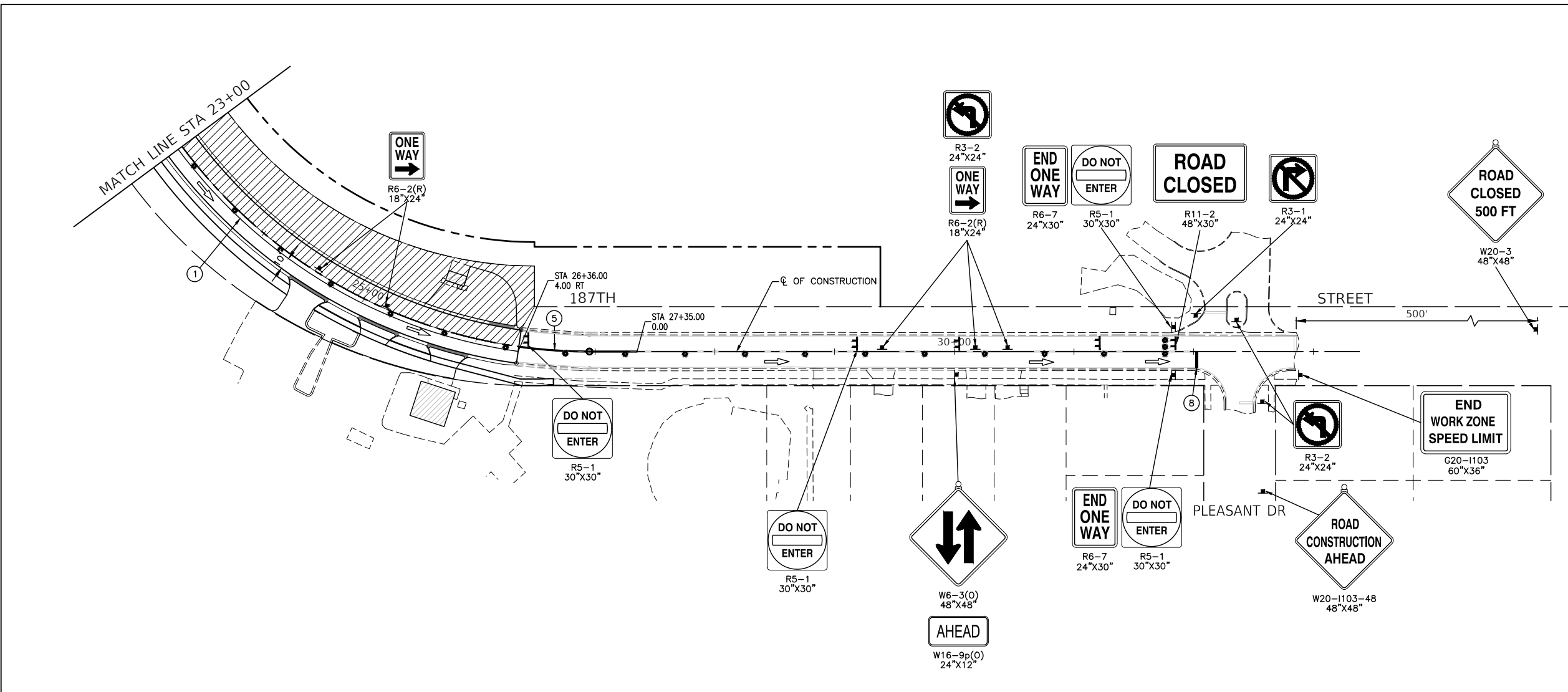
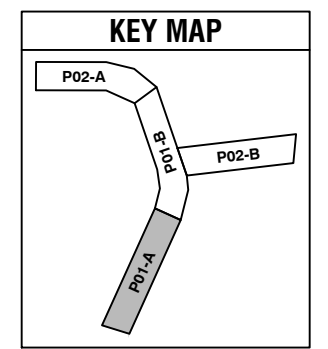
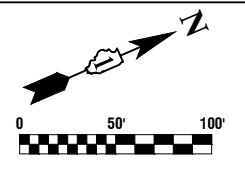
187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 4

SCALE: 1"=50' SHEET NO. 51 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	51
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
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 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
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 - WORK AREA
 - TEMPORARY PAVEMENT
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 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

FILE NAME = 11558_02-TCON-04 - P02

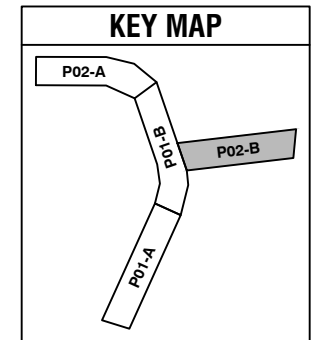
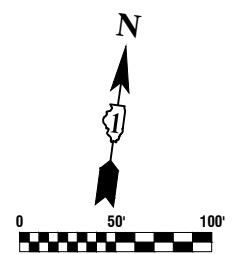
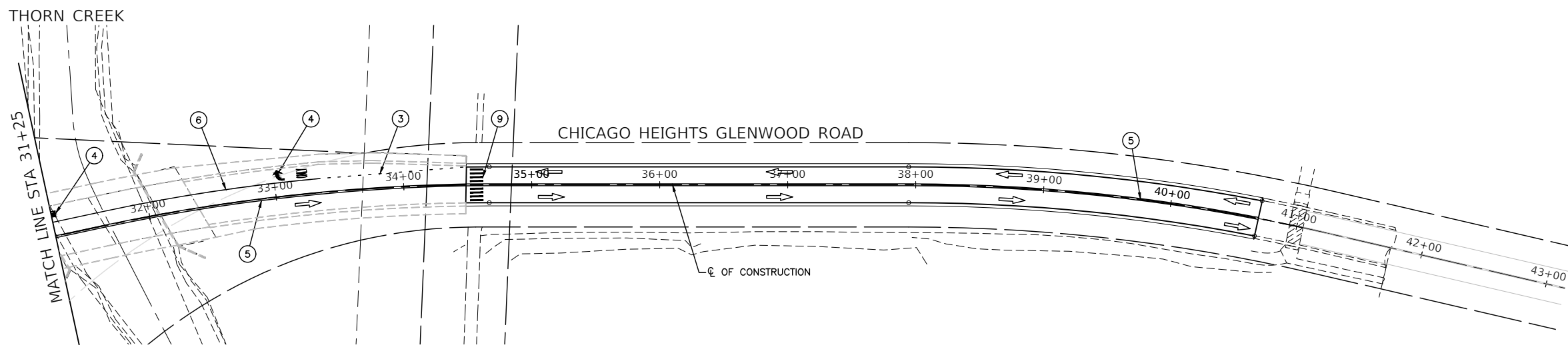
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

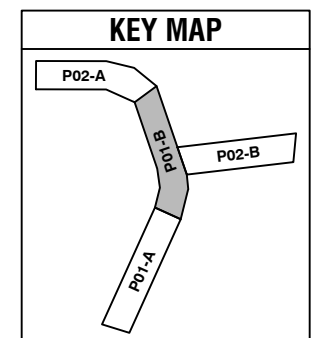
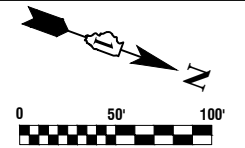
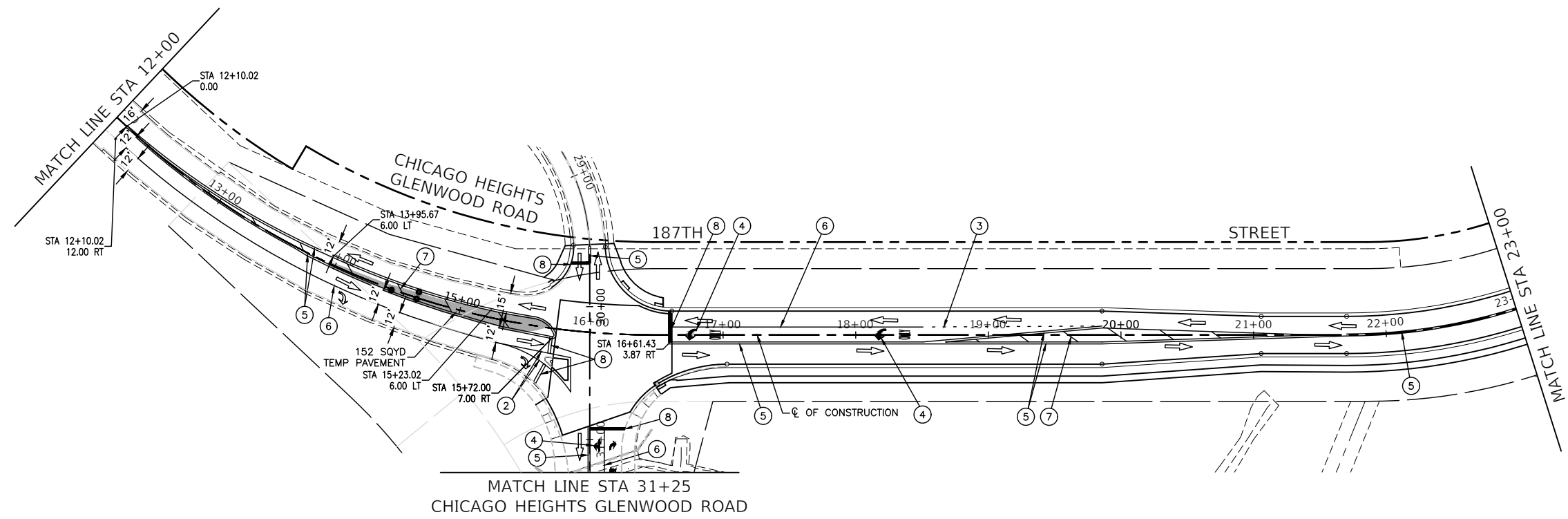
**187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 4**

SCALE: 1"=50' SHEET NO. 52 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	52
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
 - TEMPORARY CONCRETE BARRIER WALL
 - ARROW BOARD
 - TRAFFIC FLOW
 - WORK AREA
 - TEMPORARY PAVEMENT
 - TEMPORARY PAVEMENT MARKING 4" YELLOW EDGE LINE
 - TEMPORARY PAVEMENT MARKING 4" WHITE EDGE LINE
 - TEMPORARY PAVEMENT MARKING 6" WHITE SKIP DASH (2' LINE, 6' SPACE)
 - TEMPORARY PAVEMENT MARKINGS WHITE LETTERS AND SYMBOLS
 - TEMPORARY PAVEMENT MARKING DOUBLE YELLOW 4"
 - TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR
 - TEMPORARY PAVEMENT MARKING 12" WHITE CROSSWALK



FILE NAME = 11558_02-TCON-04B - P01

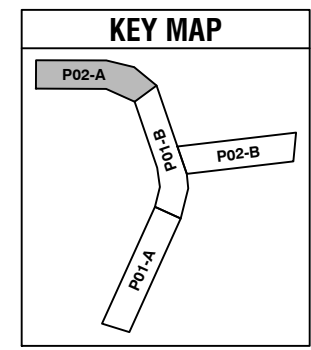
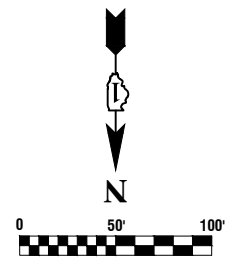
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

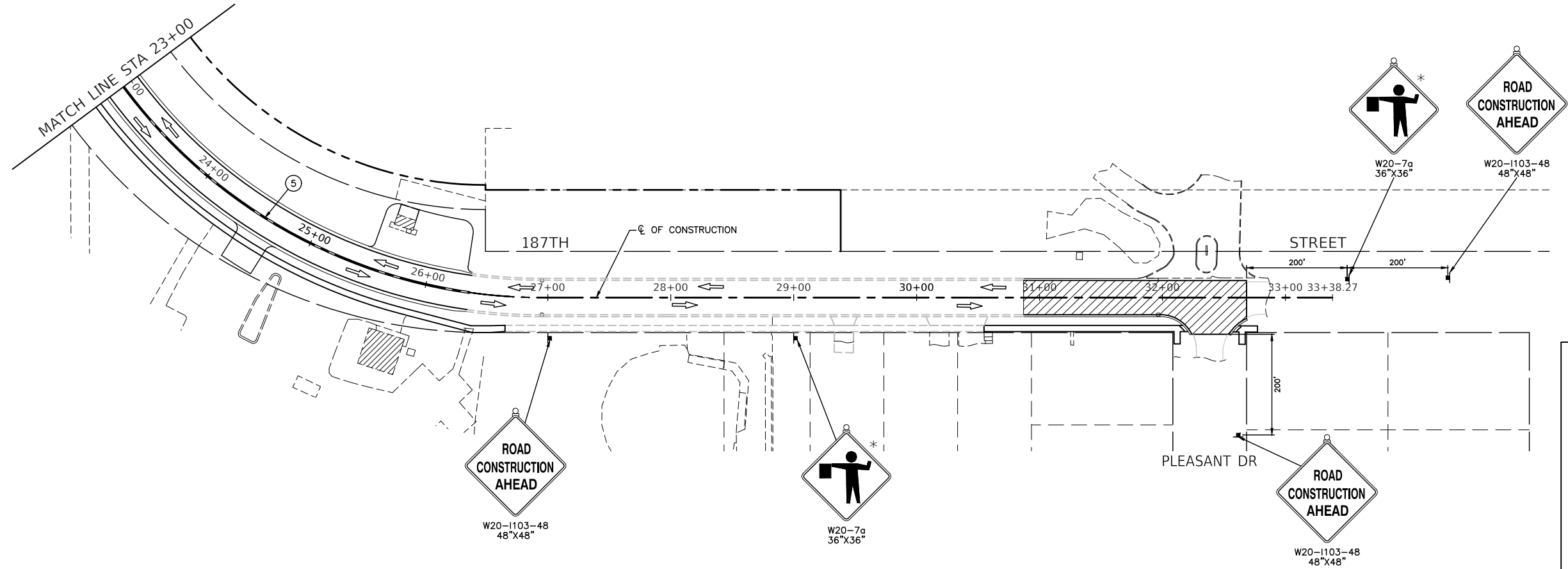
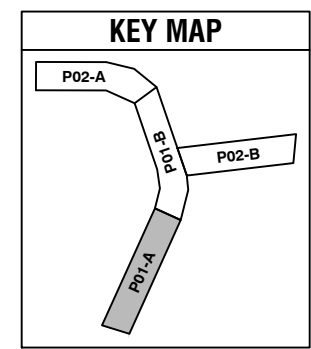
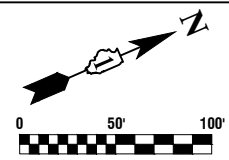
187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 4B

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	53
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				

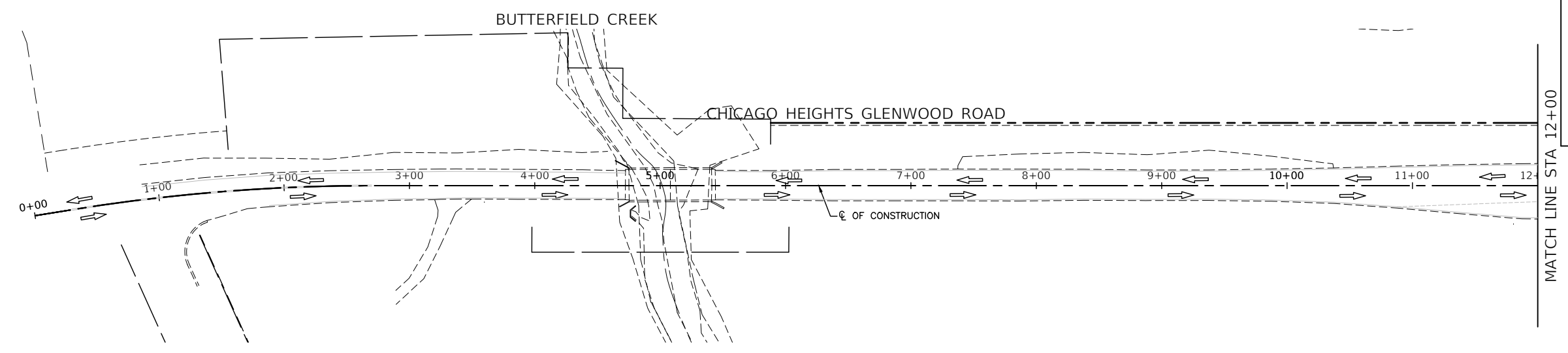
SCALE: 1"=50' SHEET NO. 53 OF 125 SHEETS STA. TO STA.



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
 - TEMPORARY CONCRETE BARRIER WALL
 - ARROW BOARD
 - TRAFFIC FLOW
 - WORK AREA
 - TEMPORARY PAVEMENT
 - ① TEMPORARY PAVEMENT MARKING 4" YELLOW EDGE LINE
 - ② TEMPORARY PAVEMENT MARKING 4" WHITE EDGE LINE
 - ③ TEMPORARY PAVEMENT MARKING 6" WHITE SKIP DASH (2' LINE, 6' SPACE)
 - ④ TEMPORARY PAVEMENT MARKINGS WHITE LETTERS AND SYMBOLS
 - ⑤ TEMPORARY PAVEMENT MARKING DOUBLE YELLOW 4"
 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



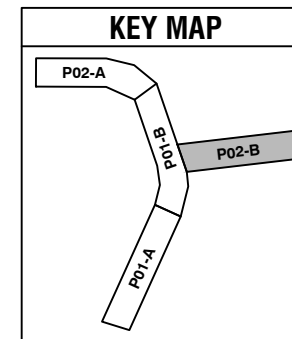
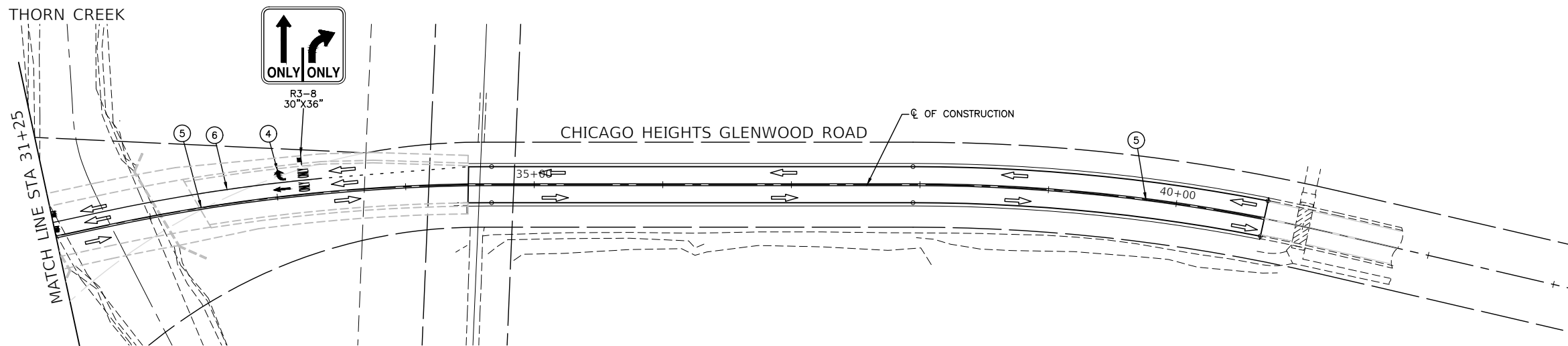
FILE NAME = 11558_02-TCON-04B - P02

USER NAME =	DESIGNED -- PS	REVISED --
CHECKED -- JDH	REVISIONS --	
PLOT SCALE =	DRAWN -- DS	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

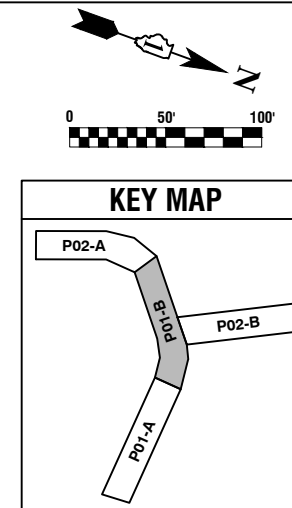
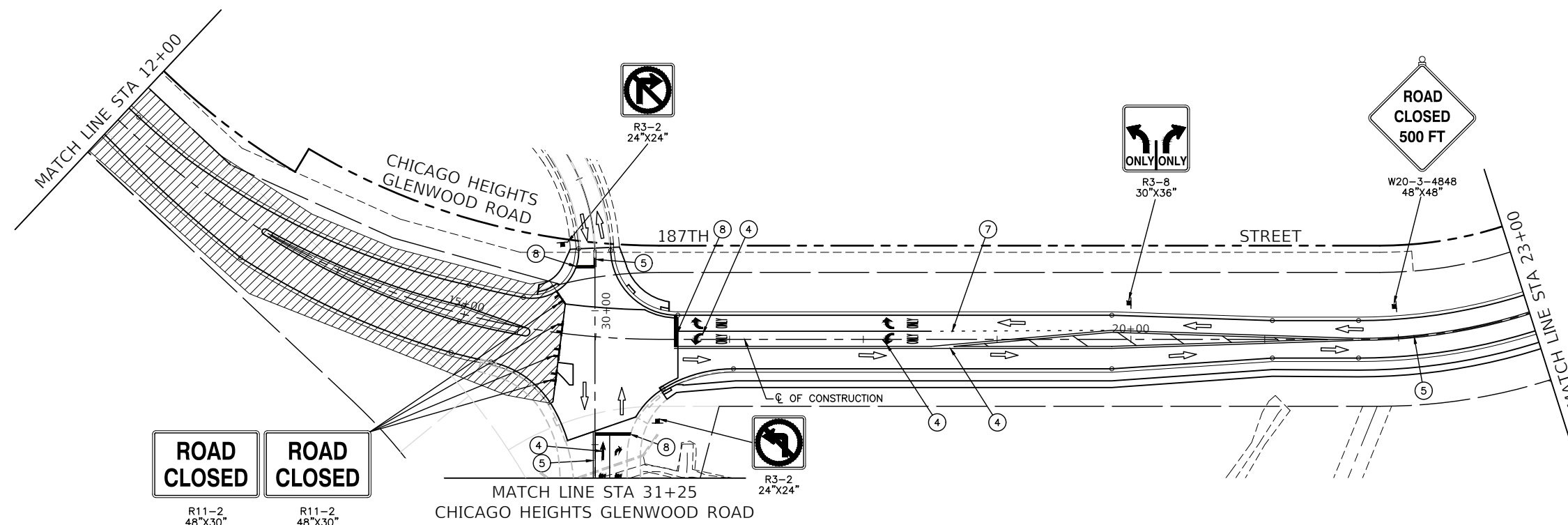
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION SUGGESTED CONSTRUCTION STAGING - STAGE 4B	
SCALE: 1"=50'	TO STA.
SHEET NO. 54	OF 125 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	54
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
 - TEMPORARY CONCRETE BARRIER WALL
 - ARROW BOARD
 - TRAFFIC FLOW
 - WORK AREA
 - TEMPORARY PAVEMENT
 - ① TEMPORARY PAVEMENT MARKING 4" YELLOW EDGE LINE
 - ② TEMPORARY PAVEMENT MARKING 4" WHITE EDGE LINE
 - ③ TEMPORARY PAVEMENT MARKING 6" WHITE SKIP DASH (2' LINE, 6' SPACE)
 - ④ TEMPORARY PAVEMENT MARKINGS WHITE LETTERS AND SYMBOLS
 - ⑤ TEMPORARY PAVEMENT MARKING DOUBLE YELLOW 4"
 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



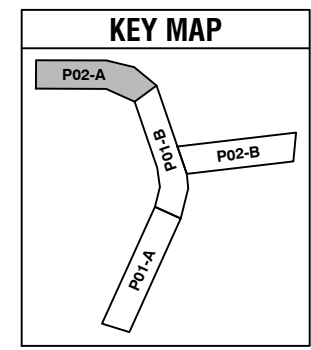
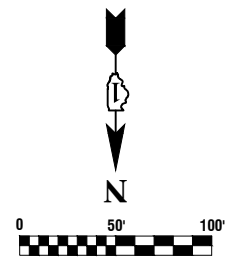
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		CHECKED -- JDH	REVISED --
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	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

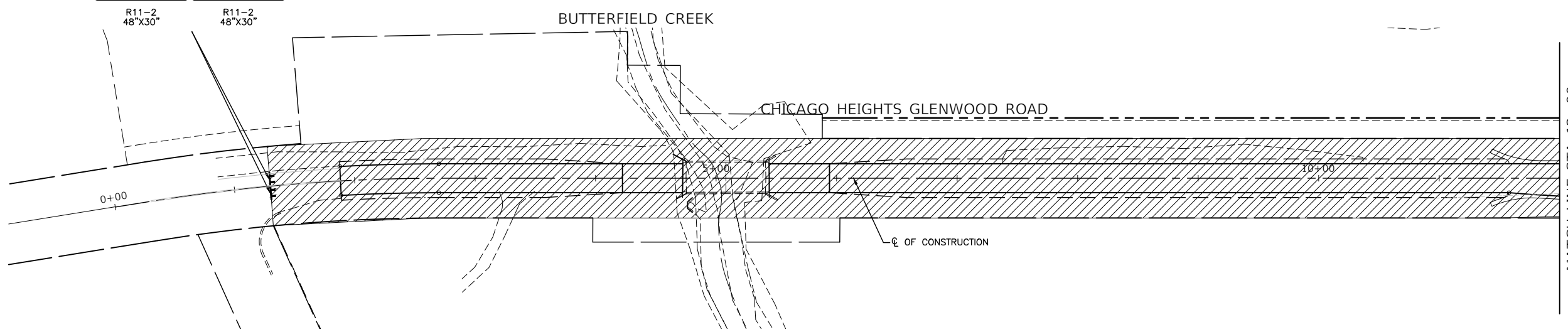
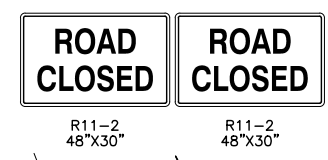
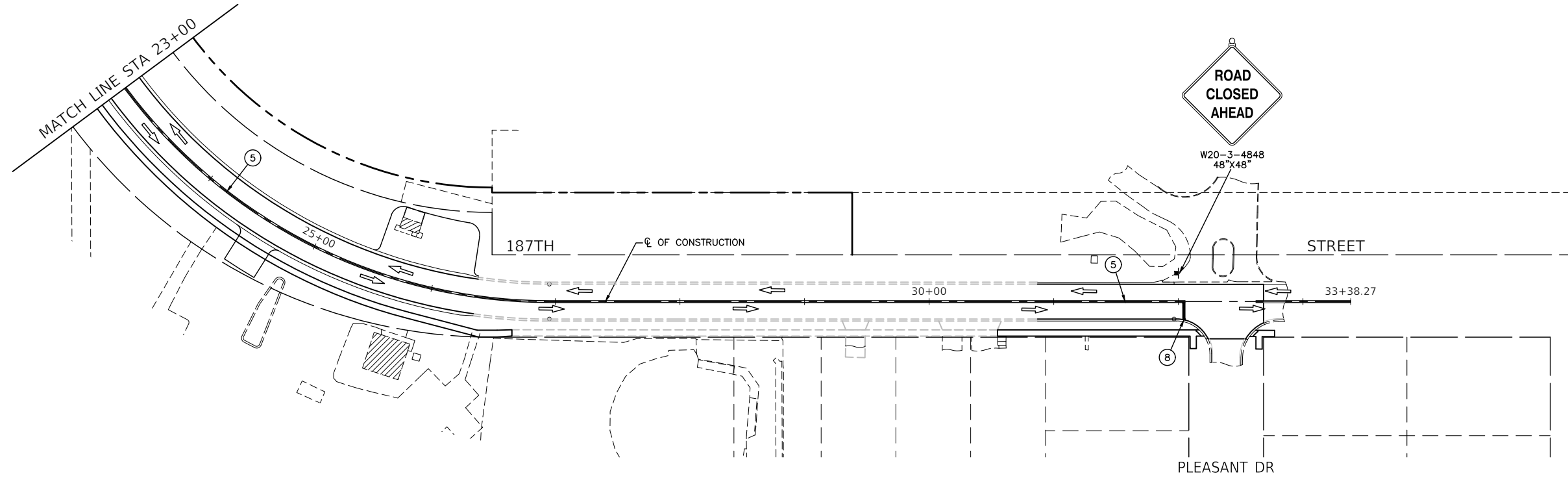
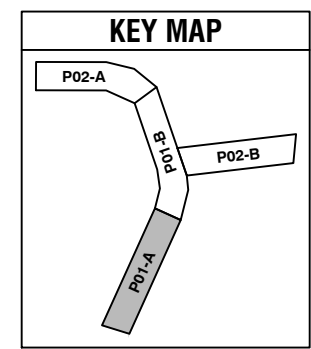
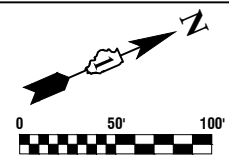
187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 5

SCALE: 1"=50' SHEET NO. 55 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	55
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50' C-C
 - SIGN PANEL
 - TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT 50' C-C IN TANGENT 20' C-C TAPER/CURVE
 - TEMPORARY CONCRETE BARRIER WALL
 - ARROW BOARD
 - TRAFFIC FLOW
 - WORK AREA
 - TEMPORARY PAVEMENT
 - ① TEMPORARY PAVEMENT MARKING 4" YELLOW EDGE LINE
 - ② TEMPORARY PAVEMENT MARKING 4" WHITE EDGE LINE
 - ③ TEMPORARY PAVEMENT MARKING 6" WHITE SKIP DASH (2' LINE, 6' SPACE)
 - ④ TEMPORARY PAVEMENT MARKINGS WHITE LETTERS AND SYMBOLS
 - ⑤ TEMPORARY PAVEMENT MARKING DOUBLE YELLOW 4"
 - ⑥ TEMPORARY PAVEMENT MARKING 6" WHITE SOLID LINE
 - ⑦ TEMPORARY PAVEMENT MARKING 12" YELLOW DIAGONAL
 - ⑧ TEMPORARY PAVEMENT MARKING 24" WHITE STOP BAR



FILE NAME = 11558_02-TC0N-05 - P02

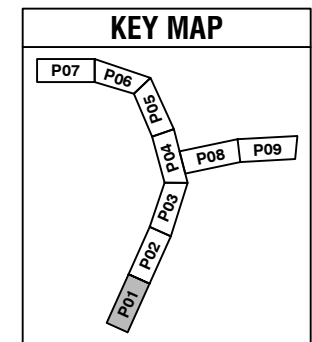
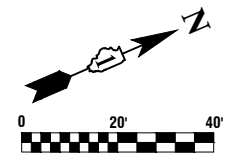
USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**187TH STREET
ROAD RECONSTRUCTION
SUGGESTED CONSTRUCTION STAGING - STAGE 5**

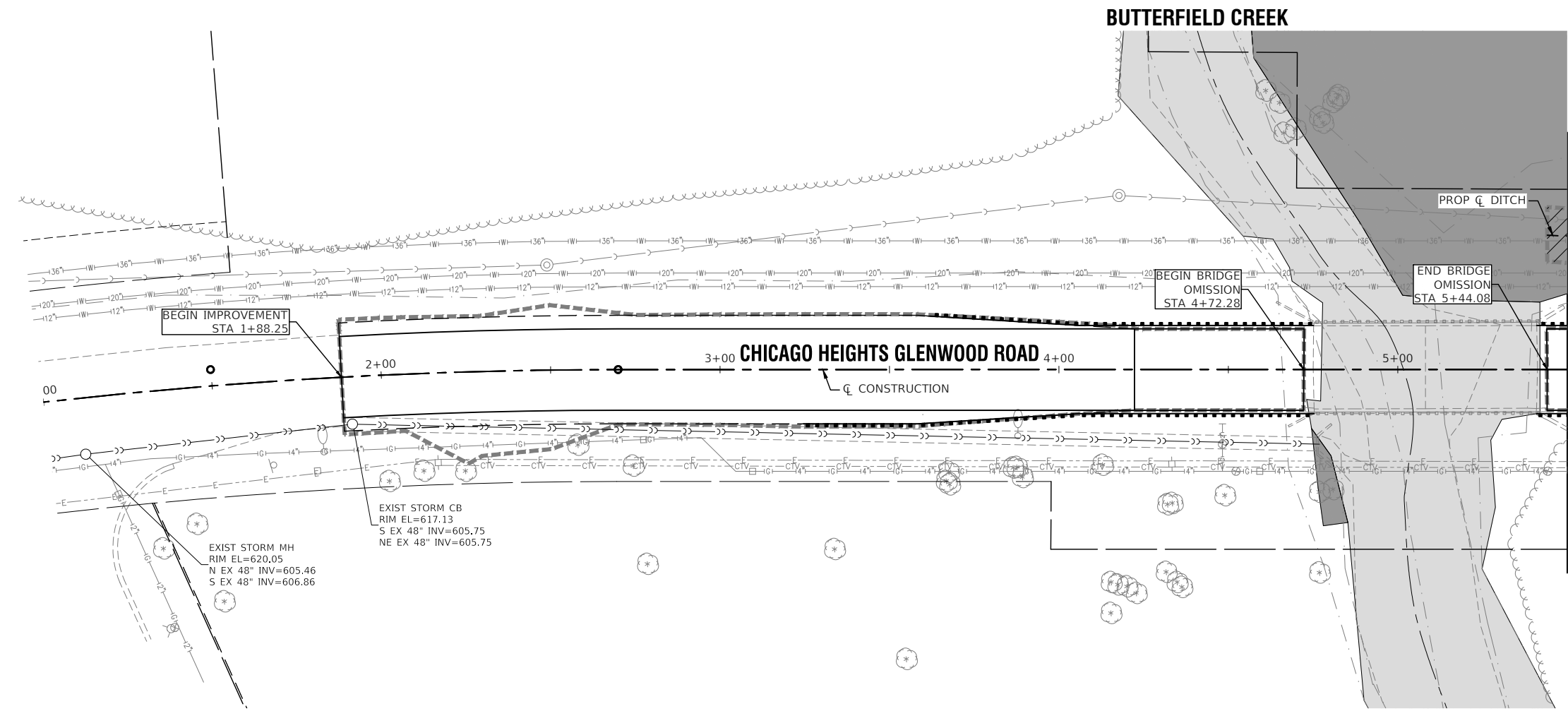
SCALE: 1"=50' SHEET NO. 56 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	56
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



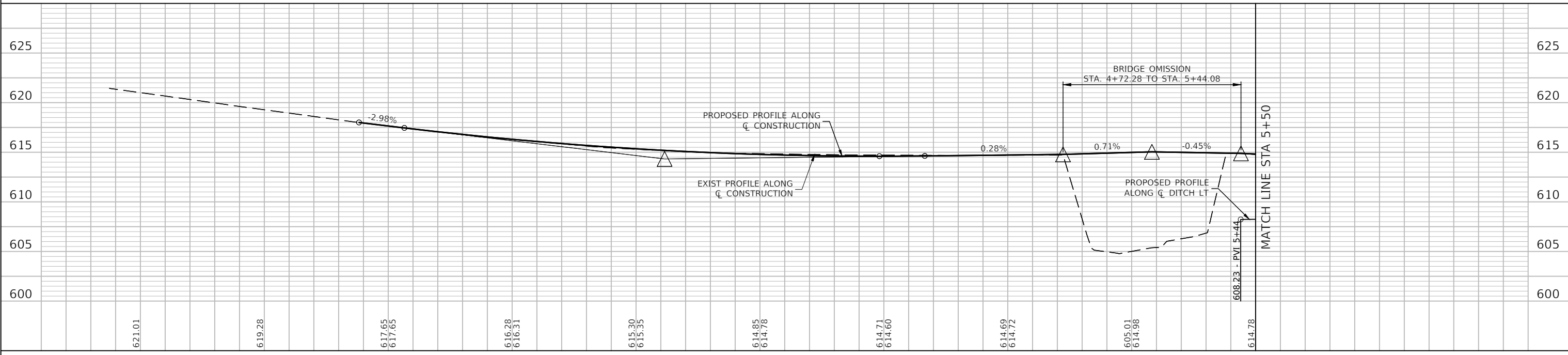
LEGEND

- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ▷ EXISTING FLARED END SECTION
- +— PROPOSED DRAINAGE SUMMIT
- ~> PROPOSED DITCH FLOW DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- CC — EXISTING STORM SEWER
- C — EXISTING SANITARY SEWER
- F — EXISTING FORCE MAIN
- CT — EXISTING CABLE TV LINE
- G — EXISTING GAS MAIN
- W — EXISTING WATER MAIN
- · — PROPOSED DITCH
- CC — PROPOSED STORM SEWER
- JURISDICTIONAL WETLAND
- WATERS OF THE US (WOUS)
- ▨ TEMPORARY IMPACT AREA
- — — LIMITS OF CONSTRUCTION

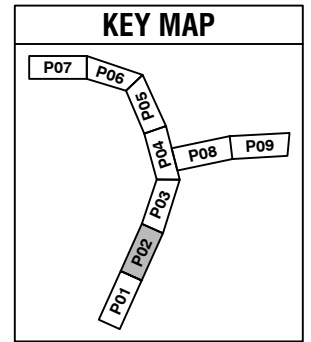
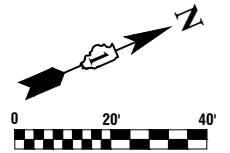


NOTE:

SEE SCHEDULE OF QUANTITIES FOR PIPE UNDERDRAIN LOCATIONS.

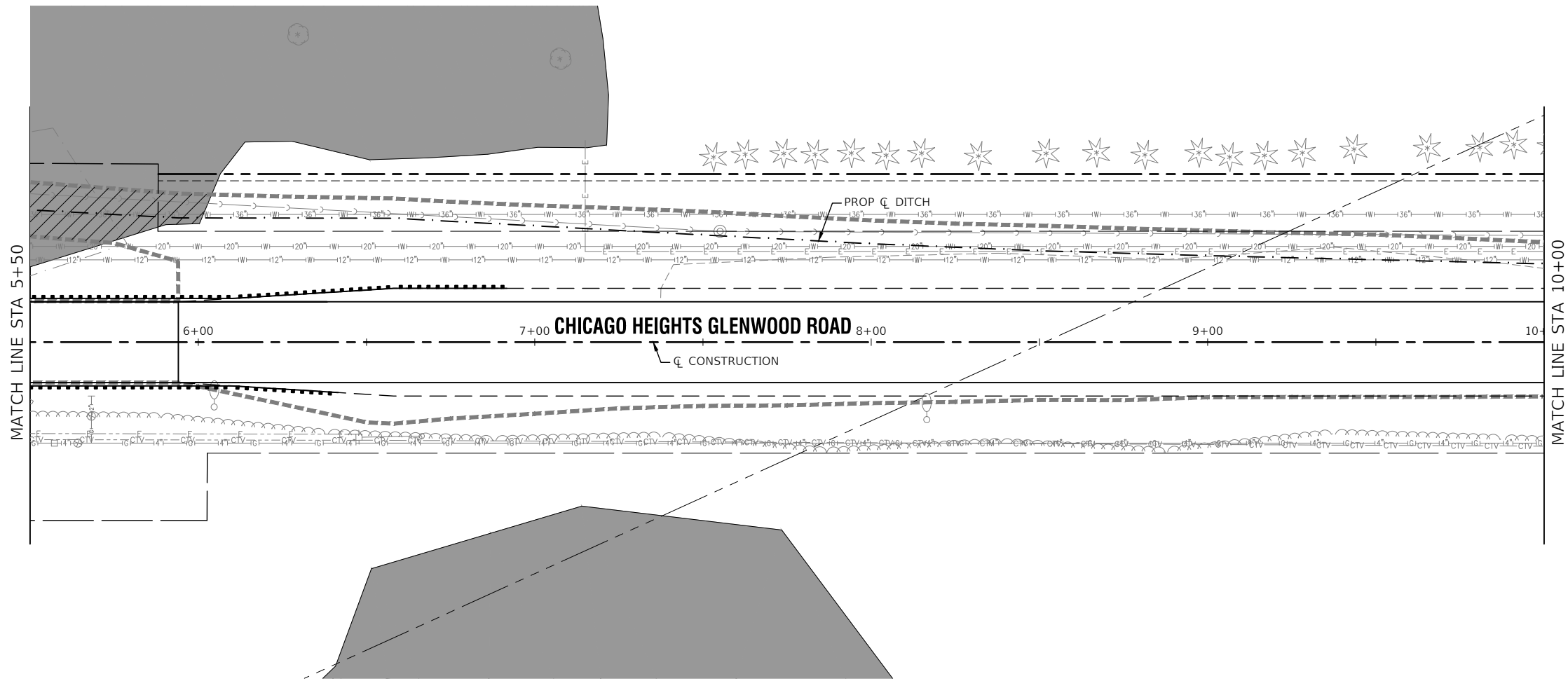


FILE NAME = 11558_02-STRM-01 - P01	USER NAME =	DESIGNED — PS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES	F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 57	
	PLOT SCALE =	CHECKED — JDH	REVISED —			SCALE: H 1"=20' V 1"=5'		SHEET NO. 57 OF 125 SHEETS		STA. TO STA.	
	PLOT DATE = 07-08-24	DRAWN — RG	REVISED —			CONTRACT NO. 61K48					
		CHECKED — AG	REVISED —			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)					



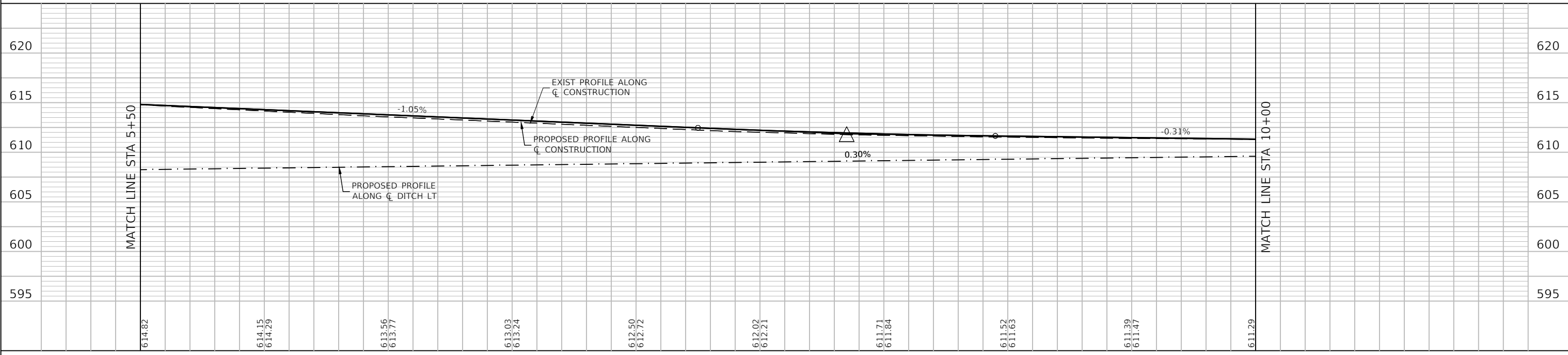
LEGEND

- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ▷ EXISTING FLARED END SECTION
- +— PROPOSED DRAINAGE SUMMIT
- ~> PROPOSED DITCH FLOW DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- <<— EXISTING STORM SEWER
- <— EXISTING SANITARY SEWER
- F— EXISTING FORCE MAIN
- CTV— EXISTING CABLE TV LINE
- G— EXISTING GAS MAIN
- W— EXISTING WATER MAIN
- · — PROPOSED DITCH
- <<— PROPOSED STORM SEWER
- JURISDICTIONAL WETLAND
- WATERS OF THE US (WOUS)
- ▨ TEMPORARY IMPACT AREA
- · — LIMITS OF CONSTRUCTION

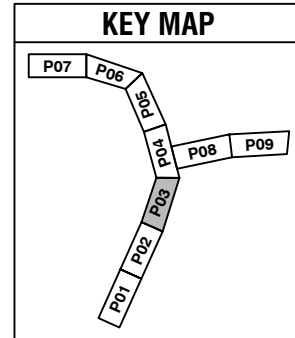
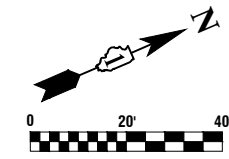


NOTE:

SEE SCHEDULE OF QUANTITIES FOR PIPE UNDERDRAIN LOCATIONS.

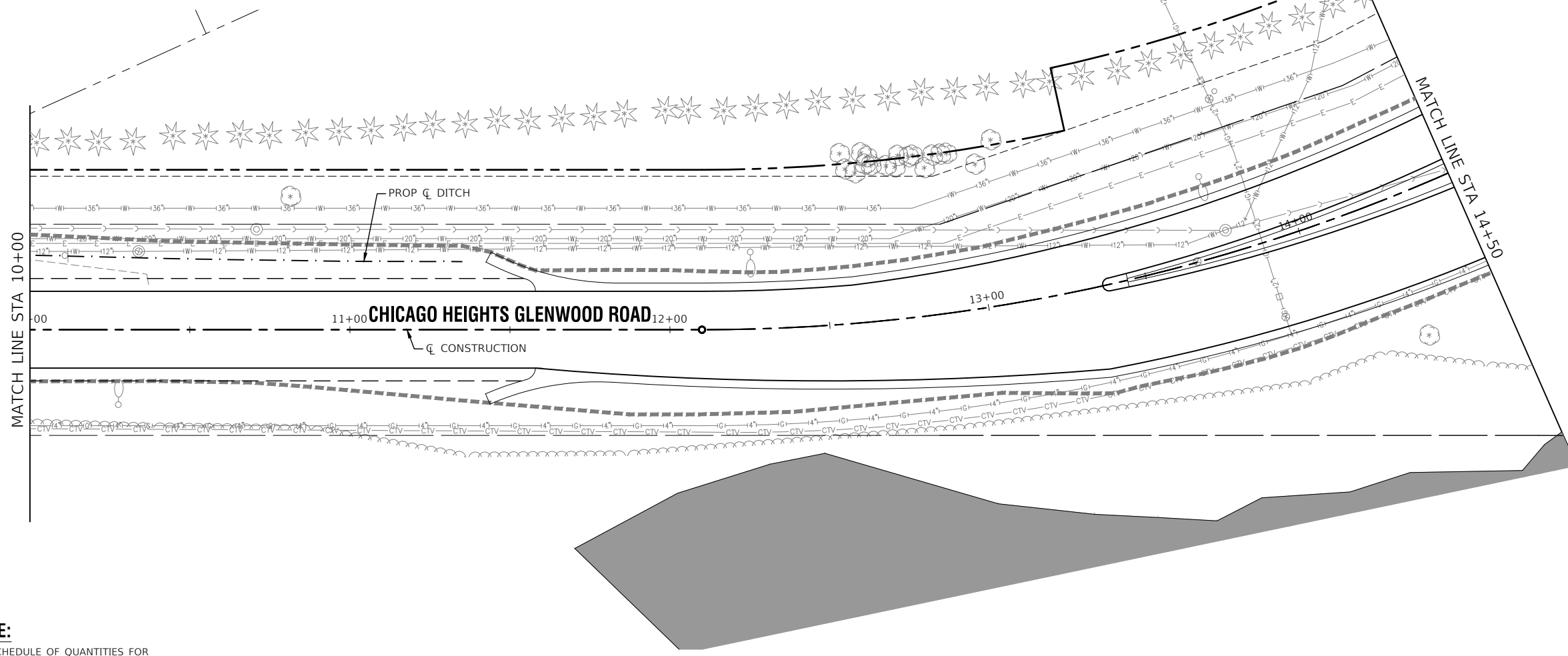


FILE NAME = 11558_02-STRM-01 - P02	USER NAME =	DESIGNED — PS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES	F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 58	
	PLOT SCALE =	DRAWN — RG	REVISED —			SCALE: H 1"=20' V 1"=5'		SHEET NO. 58 OF 125 SHEETS		STA. TO STA.	
	PLOT DATE = 07-08-24	CHECKED — AG	REVISED —			FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT S2XJ(109)	
						CONTRACT NO. 61K48					



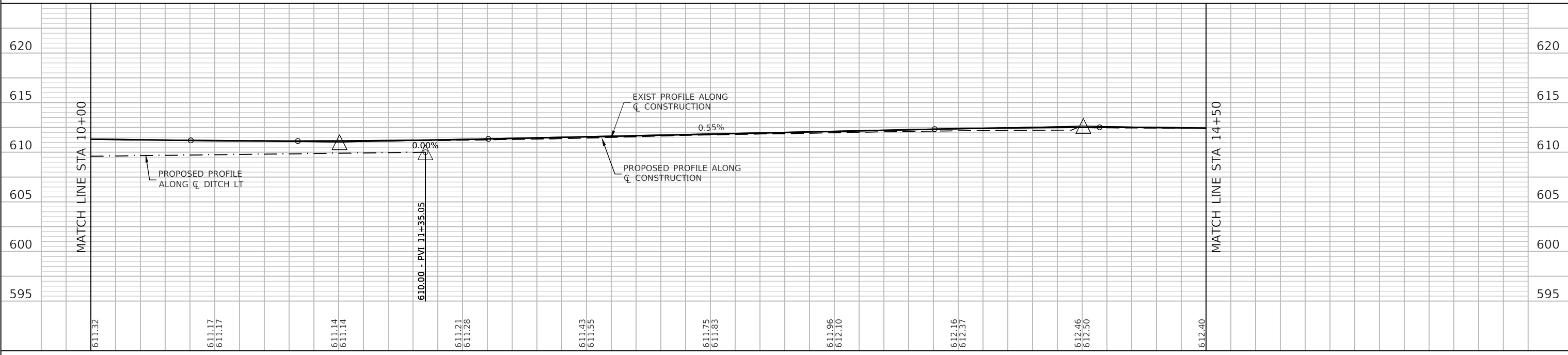
LEGEND

- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ▷ EXISTING FLARED END SECTION
- +— PROPOSED DRAINAGE SUMMIT
- ~— PROPOSED DITCH FLOW DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- <<— EXISTING STORM SEWER
- <— EXISTING SANITARY SEWER
- F— EXISTING FORCE MAIN
- CTV— EXISTING CABLE TV LINE
- G— EXISTING GAS MAIN
- W— EXISTING WATER MAIN
- · — PROPOSED DITCH
- <<— PROPOSED STORM SEWER
- JURISDICTIONAL WETLAND
- WATERS OF THE US (WOUS)
- ▨ TEMPORARY IMPACT AREA
- · — LIMITS OF CONSTRUCTION

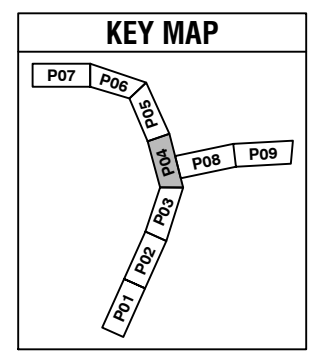
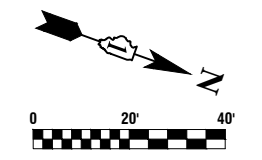


NOTE:

SEE SCHEDULE OF QUANTITIES FOR PIPE UNDERDRAIN LOCATIONS.



FILE NAME = 11558_02-STRM-01 - P03	USER NAME =	DESIGNED — PS	REVISD —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES	F.A.U. RTE. = 1624	SECTION = 11-00052-00-CH	COUNTY = COOK	TOTAL SHEETS = 125	SHEET NO. = 59	
	PLOT SCALE =	DRAWN — RG	REVISD —			SCALE: H 1"=20' V 1"=5'	SHEET NO. 59 OF 125 SHEETS	STA. TO STA.	CONTRACT NO. 61K48		
	PLOT DATE = 07-08-24	CHECKED — AG	REVISD —			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)			



LEGEND

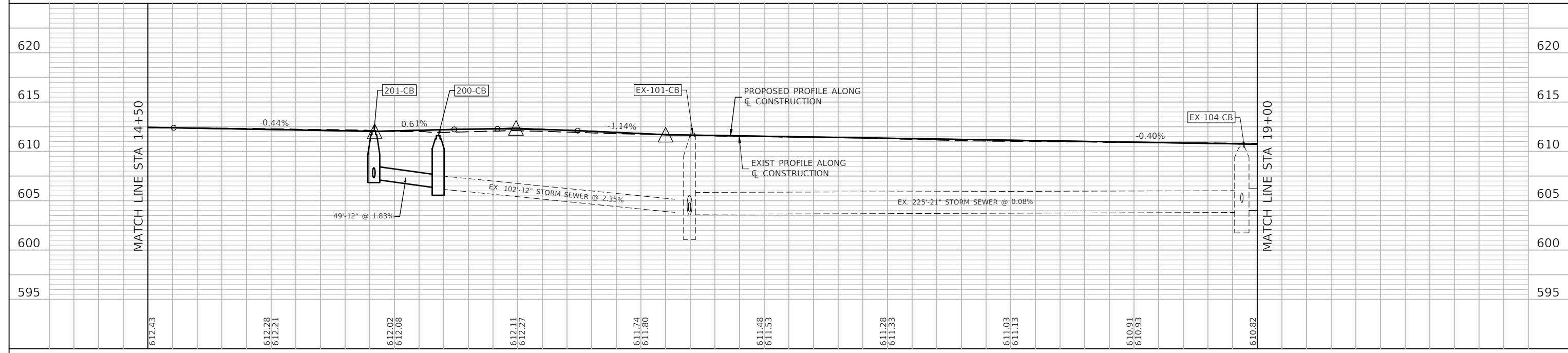
- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ▷ EXISTING FLARED END SECTION
- +— PROPOSED DRAINAGE SUMMIT
- ~> PROPOSED DITCH FLOW DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- <<— EXISTING STORM SEWER
- <— EXISTING SANITARY SEWER
- F— EXISTING FORCE MAIN
- CTV— EXISTING CABLE TV LINE
- G— EXISTING GAS MAIN
- W— EXISTING WATER MAIN
- PROPOSED DITCH
- <<<— PROPOSED STORM SEWER
- JURISDICTIONAL WETLAND
- WATERS OF THE US (WOUS)
- ▨ TEMPORARY IMPACT AREA
- LIMITS OF CONSTRUCTION

UTILITY CROSSING LEGEND

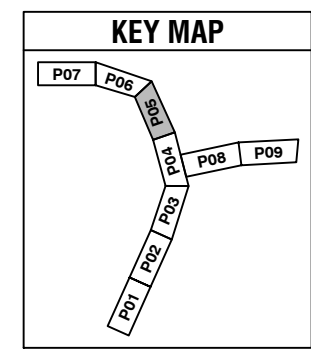
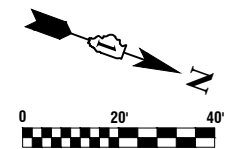
- X-103
12" STM INV=±607.5
EX 12" WM T/P=±603.6
- X-106
12" STM INV=±606.6
EX 12" WM T/P=±605.1
- X-201
(POTENTIAL CONFLICT)
12" STM T/P=±608.0
EX CABLE TV B/P=±608.8 (ELECTRONIC DEPTH)
EX 4" GAS= B/P=±608.8 (ASSUME 30" DEPTH)
- X-202A
12" STM INV=±607.7
EX 12" WM T/P=±606.2
- X-202B
12" STM INV=±607.6
EX 12" SAN INV=±599.0
- X-203
(POTENTIAL CONFLICT)
12" STM INV=±608.4
EX 20" WM T/P=±606.7
ELEC T/P=±609.2 (ASSUME 30" DEPTH)

NOTE:

SEE SCHEDULE OF QUANTITIES FOR PIPE UNDERDRAIN LOCATIONS.



FILE NAME = 11558_02-STRM-01 - P04	USER NAME =	DESIGNED — PS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES	F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 60	
	PLOT SCALE =	DRAWN — RG	REVISED —		SCALE: H 1"=20' V 1"=5'	SHEET NO. 60 OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		
	PLOT DATE = 07-08-24	CHECKED — AG	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT S2XJ(109)			



LEGEND

- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ▷ EXISTING FLARED END SECTION
- +— PROPOSED DRAINAGE SUMMIT
- ~ PROPOSED DITCH FLOW DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- CC — EXISTING STORM SEWER
- C — EXISTING SANITARY SEWER
- F — EXISTING FORCE MAIN
- CTV — EXISTING CABLE TV LINE
- G — EXISTING GAS MAIN
- W — EXISTING WATER MAIN
- · — PROPOSED DITCH
- CC — PROPOSED STORM SEWER
- JURISDICTIONAL WETLAND
- WATERS OF THE US (WOUS)
- ▨ TEMPORARY IMPACT AREA
- LIMITS OF CONSTRUCTION

UTILITY CROSSING LEGEND

- X-108 (POTENTIAL CONFLICT)
12" STM T/P=±606.1
FIBER B/P=±608.2 (ASSUME 30" DEPTH)
- X-109
12" STM INV=±606.1
DIP EX 12" WM T/P=±604.5
- X-111
21" STM INV=±604.7
EX 12" WM T/P=±603.2
- X-116
12" STM INV=±606.0
EX 12" FM T/P=±604.8
- X-502
18" STM INV=±604.1
EX 12" WM T/P=±602.6
- X-503
18" STM INV=±604.5
EX 20" WM T/P=±602.5
EX 12" SAN T/P=±598.3

NOTE:

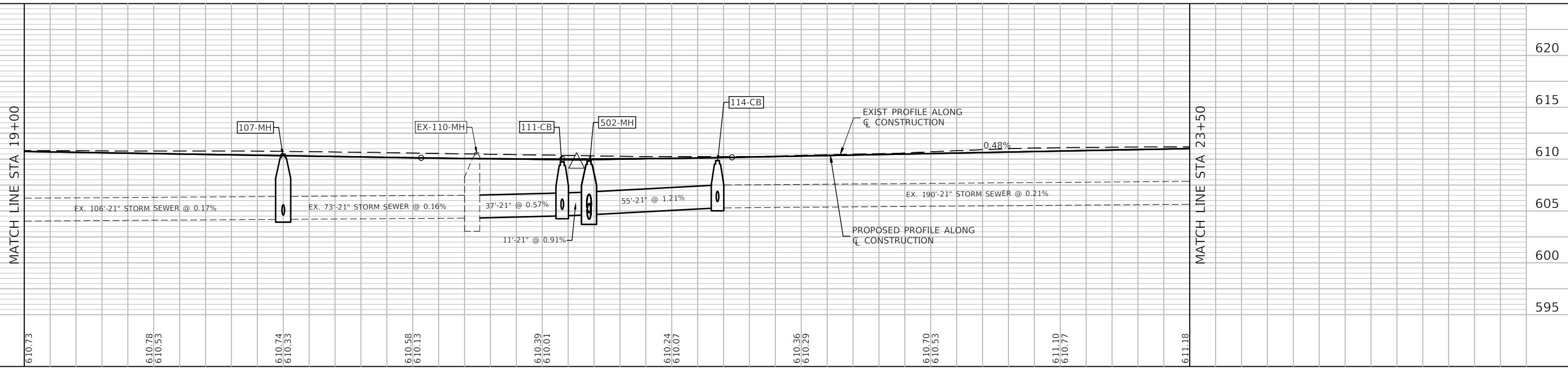
SEE SCHEDULE OF QUANTITIES FOR PIPE UNDERDRAIN LOCATIONS.

MATCH LINE STA 19+00

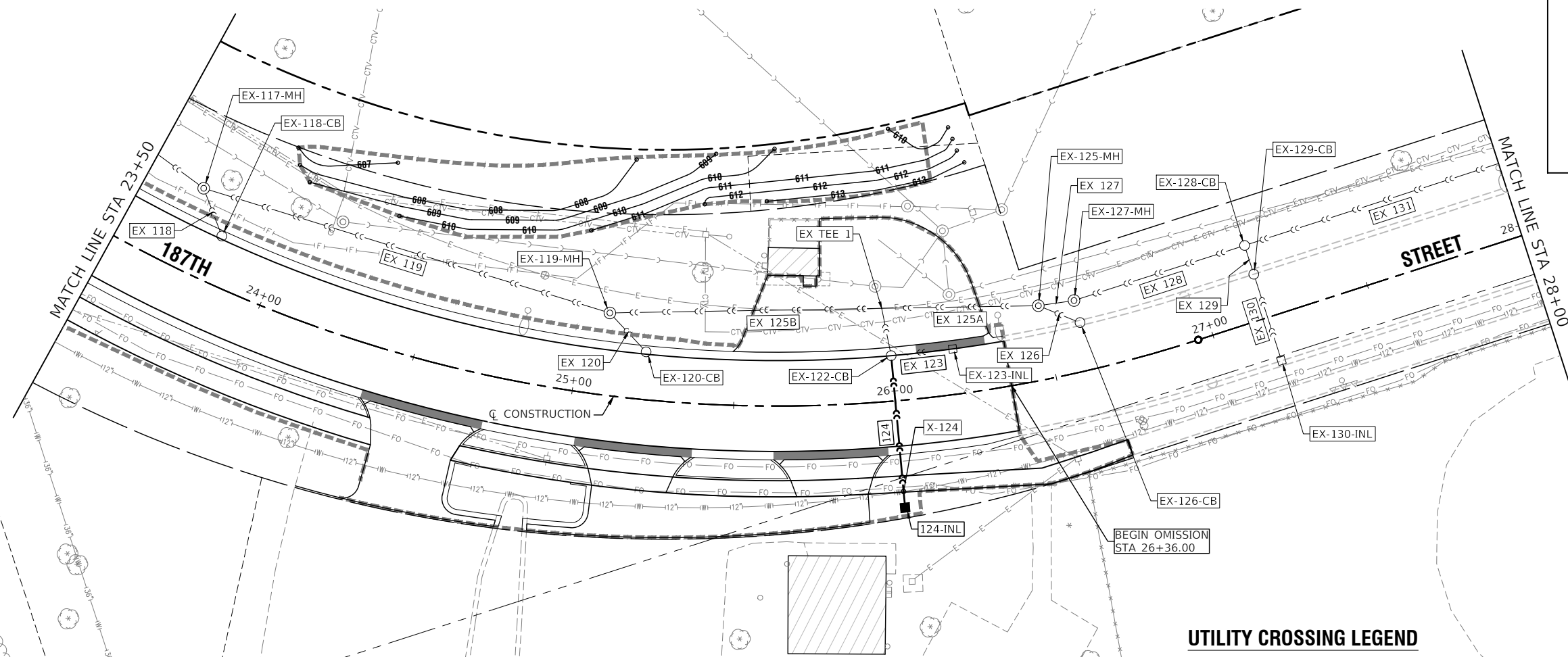
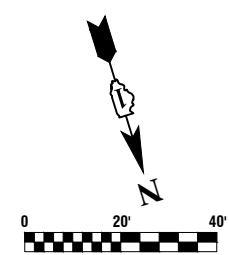
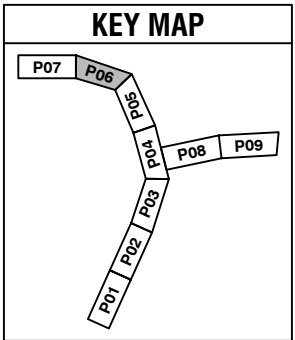
MATCH LINE STA 23+50

187TH

STREET



FILE NAME = 11558_02-STRM-01 - P05	USER NAME =	DESIGNED — PS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES	F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 61	
	PLOT SCALE =	DRAWN — RG	REVISED —		SCALE: H 1"=20' V 1"=5'	SHEET NO. 61 OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		
	PLOT DATE = 07-08-24	CHECKED — AG	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT S2XJ(109)			

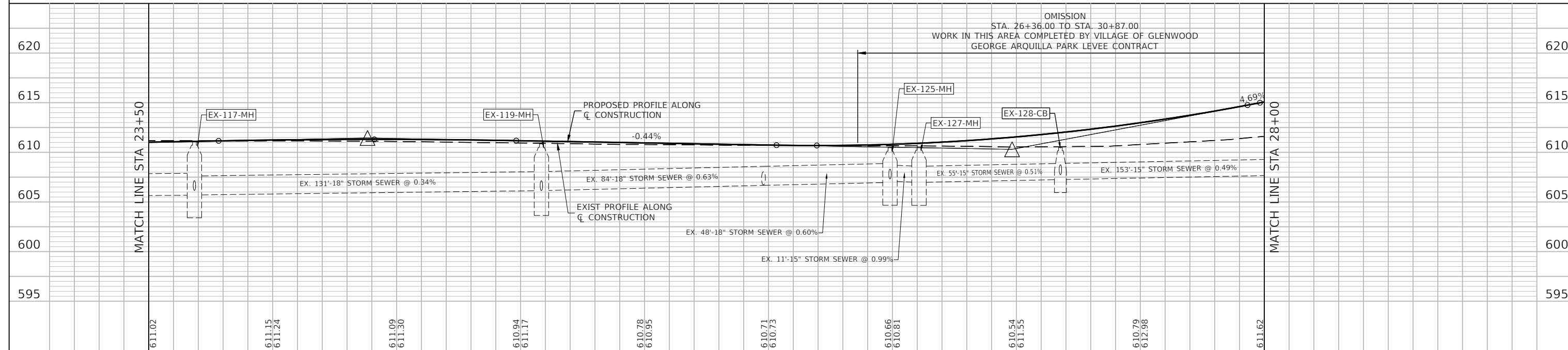


- LEGEND**
- ⊙ EXISTING MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING INLET
 - ▷ EXISTING FLARED END SECTION
 - +— PROPOSED DRAINAGE SUMMIT
 - ~> PROPOSED DITCH FLOW DIRECTION
 - PROPOSED CATCH BASIN
 - PROPOSED INLET
 - ⊙ PROPOSED MANHOLE
 - <<— EXISTING STORM SEWER
 - <— EXISTING SANITARY SEWER
 - F— EXISTING FORCE MAIN
 - CTV— EXISTING CABLE TV LINE
 - G— EXISTING GAS MAIN
 - W— EXISTING WATER MAIN
 - PROPOSED DITCH
 - <<<— PROPOSED STORM SEWER
 - JURISDICTIONAL WETLAND
 - WATERS OF THE US (WOUS)
 - ▨ TEMPORARY IMPACT AREA
 - LIMITS OF CONSTRUCTION

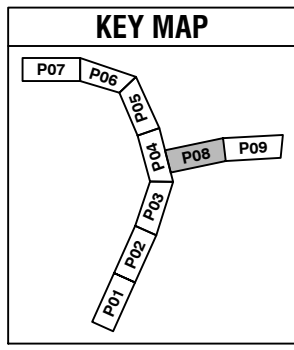
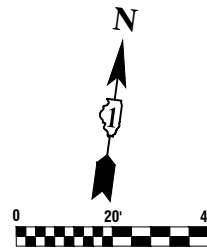
UTILITY CROSSING LEGEND

X-124
(POTENTIAL CONFLICT)
12" STM INV=±608.12
EX 12" WM T/P=±605.35
EX FIBER T/P=±608.0 (ASSUME 30" DEPTH)
EX FIBER T/P=±609.0 (ASSUME 30" DEPTH)

NOTE:
SEE SCHEDULE OF QUANTITIES FOR
PIPE UNDERDRAIN LOCATIONS.



FILE NAME = 11558_02-STRM-01 - P06	USER NAME =	DESIGNED — PS	REVISD —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES	F.A.U. RTE. = 1624	SECTION = 11-00052-00-CH	COUNTY = COOK	TOTAL SHEETS = 125	SHEET NO. = 62	
	PLOT SCALE =	DRAWN — RG	REVISD —			SCALE: H 1"=20' V 1"=5'	SHEET NO. 62 OF 125 SHEETS	STA. TO STA.	CONTRACT NO. 61K48		
	PLOT DATE = 07-08-24	CHECKED — AG	REVISD —						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)



THORN CREEK

CHICAGO HEIGHTS GLENWOOD ROAD

END BRIDGE OMISSION
STA 34+48.73

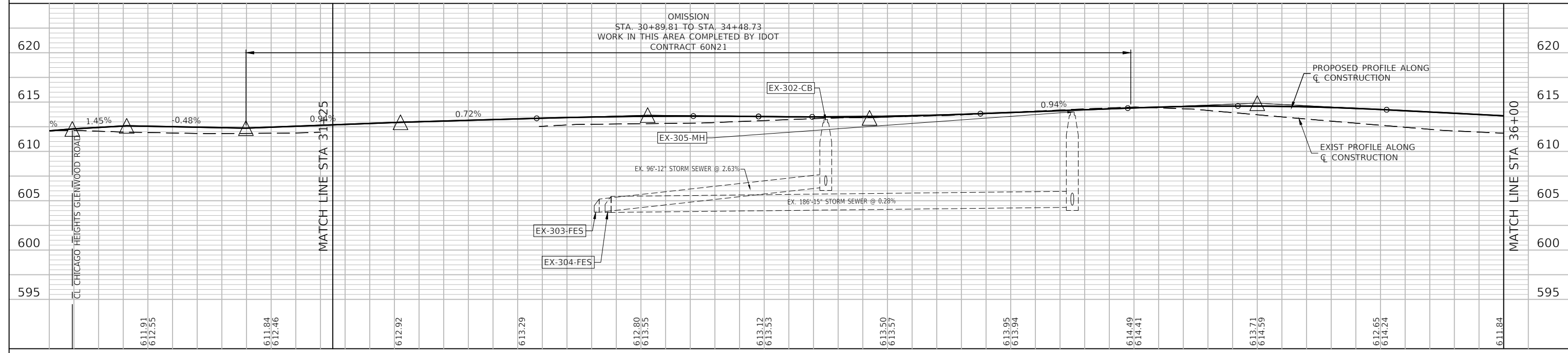
LEGEND

- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ▷ EXISTING FLARED END SECTION
- PROPOSED DRAINAGE SUMMIT
- PROPOSED DITCH FLOW DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING FORCE MAIN
- EXISTING CABLE TV LINE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- PROPOSED DITCH
- PROPOSED STORM SEWER
- JURISDICTIONAL WETLAND
- WATERS OF THE US (WOUS)
- ▨ TEMPORARY IMPACT AREA
- LIMITS OF CONSTRUCTION

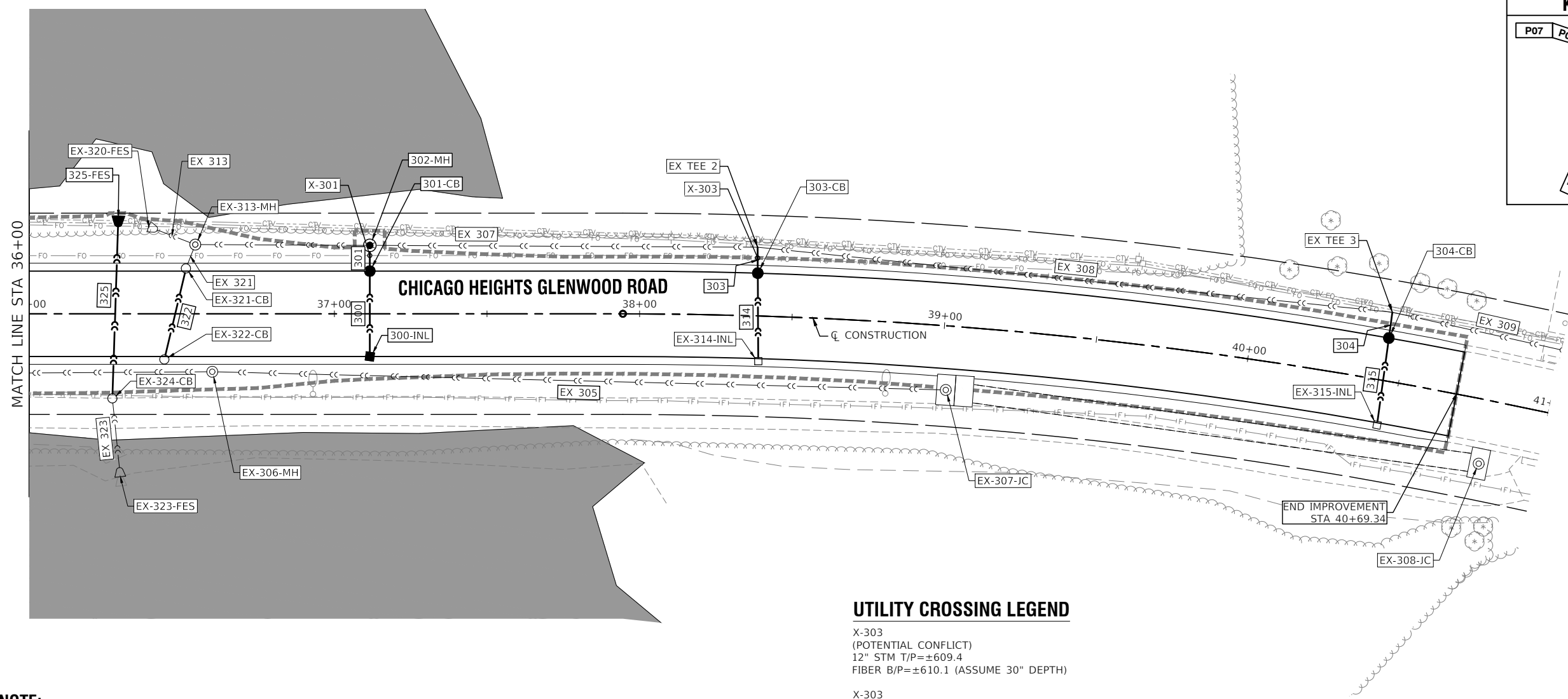
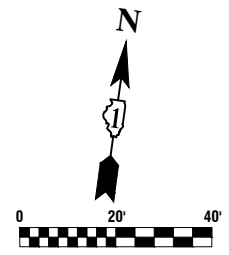
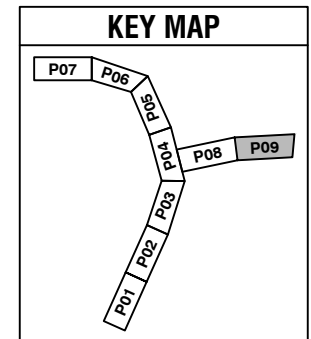
MATCH LINE STA 31+25

MATCH LINE STA 36+00

NOTE:
SEE SCHEDULE OF QUANTITIES FOR
PIPE UNDERDRAIN LOCATIONS.



FILE NAME = 11558_02-STRM-01 - P08	USER NAME =	DESIGNED -- PS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN -- RG	REVISED --		1624	11-00052-00-CH	COOK	125	64				
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --		SCALE: H 1"=20' V 1"=5'			SHEET NO. 64	OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		
											FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)



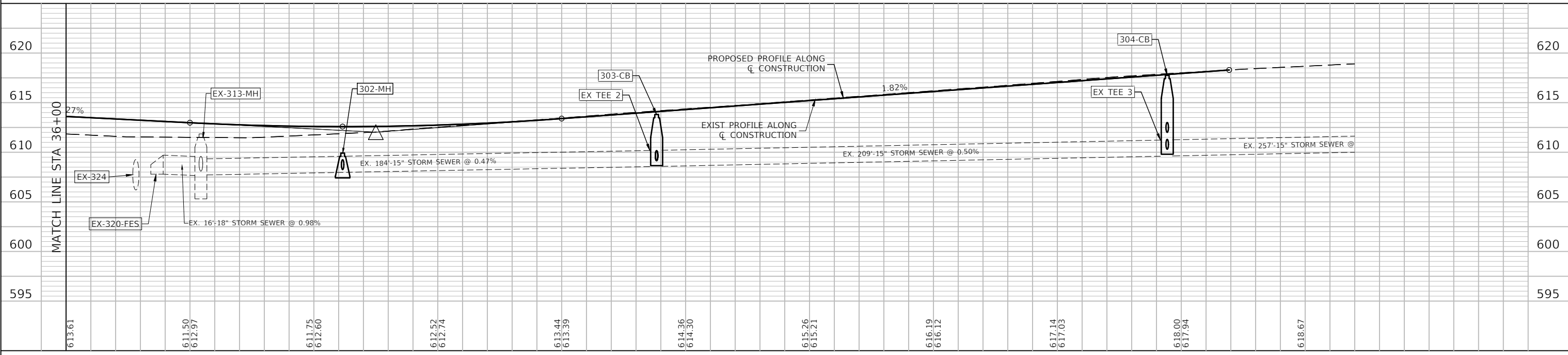
- LEGEND**
- ⊙ EXISTING MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING INLET
 - ▷ EXISTING FLARED END SECTION
 - +— PROPOSED DRAINAGE SUMMIT
 - ~ PROPOSED DITCH FLOW DIRECTION
 - PROPOSED CATCH BASIN
 - PROPOSED INLET
 - ⊙ PROPOSED MANHOLE
 - <<— EXISTING STORM SEWER
 - <— EXISTING SANITARY SEWER
 - F— EXISTING FORCE MAIN
 - CTV— EXISTING CABLE TV LINE
 - G— EXISTING GAS MAIN
 - W— EXISTING WATER MAIN
 - · — PROPOSED DITCH
 - <<— PROPOSED STORM SEWER
 - JURISDICTIONAL WETLAND
 - WATERS OF THE US (WOUS)
 - ▨ TEMPORARY IMPACT AREA
 - LIMITS OF CONSTRUCTION

UTILITY CROSSING LEGEND

X-303
(POTENTIAL CONFLICT)
12" STM T/P=±609.4
FIBER B/P=±610.1 (ASSUME 30" DEPTH)

X-303
(POTENTIAL CONFLICT)
12" STM T/P=±610.0
FIBER B/P=±611.9 (ASSUME 30" DEPTH)

NOTE:
SEE SCHEDULE OF QUANTITIES FOR
PIPE UNDERDRAIN LOCATIONS.



FILE NAME = 11558_02-STRM-01 - P09	USER NAME =	DESIGNED — PS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION DRAINAGE & UTILITIES		F.A.U. RTE. = 1624	SECTION = 11-00052-00-CH	COUNTY = COOK	TOTAL SHEETS = 125	SHEET NO. = 65
	PLOT SCALE =	DRAWN — RG	REVISED —		SCALE: H 1"=20' V 1"=5'	SHEET NO. 65 OF 125 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)	CONTRACT NO. 61K48
	PLOT DATE = 07-08-24	CHECKED — AG	REVISED —								

STRUCTURE TABLE								
STR. NUM.	STATION	OFFSET	RIM ELEV.	IN FLOW	FROM STRUCTURE	OUT FLOW	TO STRUCTURE	STRUCTURE TYPE AND FRAME
102-CB	16+93.00	22.50 RT	611.36	41'-12" W 607.40	103-INL	33'-EX 12" SE 605.04	EX-101-CB	CB TYP A, 4' DIA. T24 F&G
103-INL	16+93.00	18.00 LT	611.20			41'-12" E 608.15	102-CB	IN TYP A, T24G
105-CB	18+95.00	22.00 RT	610.31	40'-12" W 606.55	106-INL	7'-12" E 605.00	EX-104-CB	CB TYP A, 4' DIA. T24 F&G
106-INL	18+95.00	18.00 LT	610.39			40'-12" E 607.35	105-CB	IN TYP A, T24G
107-MH	20+00.00	26.97 RT	610.47	73'-EX 21" N 604.42 6'-12" W 604.60	EX-110-MH 108-CB	106'-EX 21" S 604.42	EX-104-CB	MH TYP A, 4' DIA. T1 CL
108-CB	20+00.00	21.05 RT	609.91	39'-12" W 605.95	109-INL	6'-12" E 604.80	107-MH	CB TYP A, 4' DIA. T24 F&G
109-INL	20+00.00	17.52 LT	609.98			39'-12" E 606.95	108-CB	IN TYP A, T24G
111-CB	21+07.73	14.00 RT	609.73	11'-21" NW 604.75 28'-12" W 605.15	502-MH 112-CB	37'-21" SE 604.75	EX-110-MH	CB TYP A, 5' DIA. T24 F&G
112-CB	21+07.73	14.00 LT	609.73	16'-12" S 605.85	113-INL	28'-12" E 605.85	111-CB	CB TYP A, 4' DIA. T24 F&G
113-INL	20+92.00	14.46 LT	609.73			16'-12" N 606.25	112-CB	IN TYP A, T24G
114-CB	21+67.67	14.00 LT	609.86	190'-EX 21" NW 605.52 28'-12" NE 605.90	EX-117-MH 116-INL	55'-21" SE 605.52	502-MH	CB TYP A, 4' DIA. T24 F&G
116-INL	21+70.14	14.00 RT	610.15			28'-12" SW 606.70	114-CB	IN TYP A, T24G
124-INL	25+99.98	33.02 RT	610.40			47'-12" S 608.20	EX-122-CB	IN TYP A, T8G
135-CB	30+88.89	14.00 LT	620.50	28'-12" N 616.80	136-INL	11'-12" S 615.80	EX-134-MH	CB TYP A, 4' DIA. T1 OL
136-INL	30+88.89	14.00 RT	620.50			28'-12" S 617.50	135-CB	IN TYP A, T1 OL
150-INL	16+54.49	34.54 RT	611.44			15'-12" NE 607.65	151-MH	INL TYP A, T1 OL
151-MH	16+63.78	45.77 RT	611.55	15'-12" SW 607.50 102'-EX 12" S 603.98	150-INL 200-CB	6'-EX 12" N 603.98	EX-101-CB	MH TYP A, 4' DIA. T1 CL
200-CB	15+67.77	47.07 RT	611.60	49'-12" SW 606.44	201-CB	102'-EX 12" N 606.38	151-MH	CB TYP A, 4' DIA. T1 OL
201-CB	15+41.68	6.00 RT	612.03	28'-12" W 607.34	202-CB	49'-12" NE 607.34	200-CB	CB TYP A, 4' DIA. T1 OL
202-CB	15+41.98	22.00 LT	611.50	32'-12" NW 607.88	203-INL	28'-12" E 607.88	201-CB	CB TYP A, 4' DIA. T24 F&G
203-INL	15+72.05	36.18 LT	611.50			32'-12" SE 608.50	202-CB	IN TYP A, T24G
300-INL	37+11.62	14.00 RT	612.30			28'-12" N 608.90	301-CB	INL TYP A, T24G
301-CB	37+11.62	14.00 LT	612.30	28'-12" S 608.40	300-INL	8'-12" N 608.40	302-MH	CB TYP A, 4' DIA. T24 F&G
302-MH	37+11.62	22.42 LT	609.92	8'-12" S 608.25	301-CB			MH TYP A, 4' DIA. T1 CL
303-CB	38+38.30	14.00 LT	613.80	29'-12" S 609.15	EX-314-INL	9'-12" N 609.15	EX TEE 2	CB TYP A, 4' DIA. T24 F&G
304-CB	40+44.33	14.00 LT	617.75	29'-12" S 612.00	EX-315-INL	9'-12" N 610.30	EX TEE 3	CB TYP A, 4' DIA. T24 F&G
325-FES	36+29.24	31.99 LT	N/A			60'-30" S 606.59	EX-324-CB	PRC FES 30"
502-MH	21+18.09	9.63 RT	609.82	55'-21" NW 604.85 50'-18" W 604.21	114-CB 503-FES	11'-21" SE 604.85 17'-18" E 604.21	111-CB EX-501-INL	MH TYP A, 5' DIA. T1 CL
503-FES	21+20.11	40.71 LT	N/A			50'-18" E 604.67	502-MH	PRC FES 18"
EX-100-FES	16+68.80	83.70 RT	N/A	38'-EX 24" W 603.55	EX-101-CB			EXIST STORM FES
EX-101-CB	16+69.72	46.04 RT	611.86	6'-EX 12" S 603.86 33'-EX 12" NW 603.86 225'-EX 21" NW 603.86	151-MH 102-CB EX-104-CB	38'-EX 24" E 603.55	EX-100-FES	EXIST STORM CB
EX-104-CB	18+93.75	28.50 RT	610.74	7'-12" W 604.80 106'-EX 21" N 604.24	105-CB 107-MH	225'-EX 21" SE 604.04	EX-101-CB	EXIST STORM MH
EX-110-MH	20+72.97	25.92 RT	610.64	37'-21" NW 604.54	111-CB	73'-EX 21" S 604.54	107-MH	EXIST STORM MH
EX-117-MH	23+68.46	25.82 LT	611.05	16'-EX 12" N 606.15 131'-EX 18" NW 605.91	EX-118-CB EX-119-MH	190'-EX 21" SE 605.91	114-CB	EXIST STORM MH
EX-118-CB	23+80.43	14.93 LT	610.88			16'-EX 12" S 607.34	EX-117-MH	EXIST STORM CB
EX-119-MH	25+08.41	25.37 LT	610.85	16'-EX 12" NW 606.14 84'-EX 18" W 606.35	EX-120-CB EX TEE 1	131'-EX 18" SE 606.35	EX-117-MH	EXIST STORM MH
EX-120-CB	25+21.50	14.72 LT	610.79			16'-EX 12" SE 607.45	EX-119-MH	EXIST STORM CB
EX-122-CB	25+99.77	14.00 LT	610.45	47'-12" N 607.26 19'-12" W 607.10	124-INL EX-123-INL	15'-EX 12" S 607.05	EX TEE 1	EXIST STORM CB

STRUCTURE TABLE								
STR. NUM.	STATION	OFFSET	RIM ELEV.	IN FLOW	FROM STRUCTURE	OUT FLOW	TO STRUCTURE	STRUCTURE TYPE AND FRAME
EX-123-INL	26+19.51	14.00 LT	610.40			19'-12" E 607.40	EX-122-CB	EXIST STORM INL
EX-125-MH	26+49.02	22.73 LT	610.46	11'-EX 15" W 607.27 14'-EX 12" NW 607.31	EX-127-MH EX-126-CB	48'-EX 18" E 607.17	EX TEE 1	EXIST STORM MH
EX-126-CB	26+61.00	14.86 LT	609.98			14'-EX 12" SE 607.13	EX-125-MH	EXIST STORM CB
EX-127-MH	26+60.71	21.94 LT	610.56	55'-EX 15" W 607.16	EX-128-CB	11'-EX 15" E 607.16	EX-125-MH	EXIST STORM MH
EX-128-CB	27+17.76	23.30 LT	610.48	153'-EX 15" W 607.44 9'-12" N 607.75	EX-167-MH EX-129-CB	55'-EX 15" E 607.44	EX-127-MH	EXIST STORM CB
EX-129-CB	27+17.76	14.00 LT	610.23	28'-12" N 608.00	EX-130-INL	9'-12" S 608.00	EX-128-CB	EXIST STORM CB
EX-130-INL	27+17.69	13.98 RT	610.56			28'-12" S 608.70	EX-129-CB	EXIST STORM INL
EX-132-CB	28+71.18	14.00 LT	613.16	28'-12" N 612.05	EX-133-INL	9'-12" S 609.65	EX-167-MH	EXIST STORM CB
EX-133-INL	28+71.02	14.00 RT	614.22			28'-12" S 613.05	EX-132-CB	EXIST STORM INL
EX-134-MH	30+88.89	24.61 LT	621.13	218'-EX 12" W 615.03 11'-12" N 615.55	EX-137-MH 135-CB	218'-EX 15" E 614.59	EX-167-MH	EXIST STORM MH
EX-137-MH	33+07.25	24.22 LT	626.19	15'-EX 12" NW 620.51 16'-EX 12" W 620.51		218'-EX 12" E 615.03	EX-134-MH	EXIST STORM MH
EX-167-MH	28+71.23	23.38 LT	613.31	218'-EX 15" W 608.19 9'-12" N 609.30	EX-134-MH EX-132-CB	153'-EX 15" E 608.19	EX-128-CB	EXIST STORM MH
EX-301-CB	33+25.00	22.00 LT	613.10			36'-EX 12" S 608.40	EX-302-CB	EXIST STORM CB
EX-302-CB	33+25.00	14.00 RT	613.22	36'-EX 12" N 606.54	EX-301-CB	96'-EX 12" SW 606.54	EX-303-FES	EXIST STORM CB
EX-303-FES	32+33.07	49.00 RT	607.14	96'-EX 12" NE 604.00	EX-302-CB			EXIST STORM FES
EX-304-FES	32+37.91	59.45 RT	605.52	186'-EX 15" NE 604.00	EX-305-MH			EXIST STORM FES
EX-305-MH	34+25.00	20.00 RT	614.00	234'-EX 15" E 604.54	EX-306-MH	186'-EX 15" SW 604.52	EX-304-FES	EXIST STORM MH
EX-306-MH	36+60.00	19.00 RT	611.50	240'-EX 15" E 605.28	EX-307-JC	234'-EX 15" W 605.27	EX-305-MH	EXIST STORM MH
EX-307-JC	39+02.00	21.00 RT	614.86	176'-EX 6' X 5' E 607.00	EX-308-JC	240'-EX 15" W 606.02	EX-306-MH	EXIST JUNCTION CHAMBER
EX-308-JC	40+81.00	21.00 RT	616.31			176'-EX 6' X 5' W 607.17	EX-307-JC	EXIST JUNCTION CHAMBER
EX-309-CB	43+00.00	22.50 LT	619.50			257'-EX 15" W 611.10	EX TEE 3	EXIST STORM CB
EX-313-MH	36+54.43	22.69 LT	611.85	184'-EX 15" E 607.89 8'-EX 18" S 608.09	EX TEE 2 EX-321-CB	16'-EX 18" W 607.84	EX-320-FES	EXIST STORM MH
EX-314-INL	38+39.36	14.82 RT	613.81			29'-12" N 610.09	303-CB	EXIST STORM INL
EX-315-INL	40+45.47	14.77 RT	617.40			29'-12" N 613.17	304-CB	EXIST STORM INL
EX-320-FES	36+39.21	28.54 LT	609.79	16'-EX 18" E 608.00	EX-313-MH			EXIST STORM FES
EX-321-CB	36+51.38	14.85 LT	612.66			8'-EX 18" N 607.98 31'-18" S 607.98	EX-313-MH EX-322-CB	EXIST STORM CB
EX-322-CB	36+44.31	14.96 RT	612.75	31'-18" N 608.26	EX-321-CB			EXIST STORM CB
EX-323-FES	36+29.87	53.42 RT	609.98			26'-EX 30" N 607.11	EX-324-CB	EXIST STORM FES
EX-324-CB	36+27.28	27.75 RT	610.92	60'-30" N 606.38 26'-EX 30" S 606.38	325-FES EX-323-FES			EXIST STORM CB
EX-404-CB	1+10.77	16.63 RT	620.05	79'-EX 48" N 605.46	EX-405-MH	37'-EX 48" S 606.86		EXIST STORM MH
EX-405-MH	1+90.77	14.05 RT	617.13	285'-EX 48" NE 605.75		79'-EX 48" S 605.75	EX-404-CB	EXIST STORM CB
EX-500-FES	21+13.03	51.00 RT	605.78	25'-EX 18" W 603.99	EX-501-INL			EXIST STORM FES
EX-501-INL	21+17.41	26.71 RT	609.71	17'-18" W 604.05	502-MH	25'-EX 18" E 604.05	EX-500-FES	EXIST STORM INL
EX TEE 1	25+97.99	28.78 LT	N/A	48'-EX 18" W 606.88 15'-EX 12" N 606.88	EX-125-MH EX-122-CB	84'-EX 18" E 606.88	EX-119-MH	EX TEE 1
EX TEE 2	38+38.00	22.50 LT	N/A	209'-EX 15" E 608.75 9'-12" S 608.85	EX TEE 3 303-CB	184'-EX 15" W 608.75	EX-313-MH	EX TEE 2
EX TEE 3	40+44.00	22.50 LT	N/A	257'-EX 15" E 609.80 9'-12" S 609.90	EX-309-CB 304-CB	209'-EX 15" W 609.80	EX TEE 2	EX TEE 3

PIPE TABLE						
PIPE NUM.	LENGTH	PIPE DIA. (INCHES)	PIPE TYPE	PIPE SLOPE	FROM STRUCTURE	TO STRUCTURE
103	41'	12	SST1	1.85%	103-INL	102-CB
105	7'	12	SST2	3.02%	105-CB	EX-104-CB
106	40'	12	SST1	2.00%	106-INL	105-CB
108	6'	12	SST2	3.38%	108-CB	107-MH
109	39'	12	SST2	2.59%	109-INL	108-CB
111	37'	21	SST2	0.57%	111-CB	EX-110-MH
112	28'	12	SST2	2.50%	112-CB	111-CB
113	16'	12	SST1	2.54%	113-INL	112-CB
114A	55'	21	SST2	1.21%	114-CB	502-MH
114B	11'	21	SST2	0.91%	502-MH	111-CB
116	28'	12	SST1	2.85%	116-INL	114-CB
124	47'	12	SST1	2.00%	124-INL	EX-122-CB
135	11'	12	SST2	2.36%	135-CB	EX-134-MH
136	28'	12	SST1	2.50%	136-INL	135-CB
150	15'	12	SST2	1.03%	150-INL	151-MH
201	49'	12	SST2	1.83%	201-CB	200-CB
202	28'	12	SST2	1.93%	202-CB	201-CB
203	32'	12	SST1	1.94%	203-INL	202-CB
300	28'	12	SST1	1.79%	300-INL	301-CB
301	8'	12	SST1	1.78%	301-CB	302-MH
303	9'	12	SST2	3.53%	303-CB	EX TEE 2
304	9'	12	SST2	4.70%	304-CB	EX TEE 3
314	29'	12	SST2	3.26%	EX-314-INL	303-CB
315	29'	12	SST2	4.06%	EX-315-INL	304-CB
322	31'	18	SST1	0.91%	EX-322-CB	EX-321-CB
325	60'	30	SST1	0.35%	325-FES	EX-324-CB
502	17'	18	SST2	0.94%	502-MH	EX-501-INL
503	50'	18	SST1	0.91%	503-FES	502-MH
EX 101	38'	24	SST1	0.00%	EX-100-FES	EX-101-CB
EX 102	33'	12	SST1	3.56%	EX-101-CB	102-CB
EX 104	225'	21	SST1	0.08%	EX-101-CB	EX-104-CB
EX 107	106'	21	SST2	0.17%	107-MH	EX-104-CB
EX 110	73'	21	SST1	0.16%	107-MH	EX-110-MH
EX 117	190'	21	SST1	0.21%	114-CB	EX-117-MH
EX 118	16'	12	SST1	7.55%	EX-117-MH	EX-118-CB
EX 119	131'	18	SST1	0.34%	EX-119-MH	EX-117-MH
EX 120	16'	12	SST1	7.99%	EX-120-CB	EX-119-MH
EX 122	15'	12	SST1	1.14%	EX-122-CB	EX TEE 1
EX 123	19'	12	SST1	1.57%	EX-123-INL	EX-122-CB
EX 125A	48'	18	SST1	0.60%	EX-125-MH	EX TEE 1
EX 125B	84'	18	SST1	0.63%	EX TEE 1	EX-119-MH
EX 126	14'	12	SST1	1.30%	EX-125-MH	EX-126-CB
EX 127	11'	15	SST1	0.99%	EX-127-MH	EX-125-MH
EX 128	55'	15	SST1	0.51%	EX-128-CB	EX-127-MH
EX 129	9'	12	SST1	2.69%	EX-129-CB	EX-128-CB
EX 130	28'	12	SST1	2.50%	EX-130-INL	EX-129-CB
EX 131	153'	15	SST1	0.49%	EX-167-MH	EX-128-CB
EX 132	9'	12	SST1	3.73%	EX-132-CB	EX-167-MH
EX 133	28'	12	SST1	3.57%	EX-133-INL	EX-132-CB
EX 134	218'	15	SST1	2.94%	EX-134-MH	EX-167-MH

PIPE TABLE						
PIPE NUM.	LENGTH	PIPE DIA. (INCHES)	PIPE TYPE	PIPE SLOPE	FROM STRUCTURE	TO STRUCTURE
EX 137	218'	12	SST1	0.00%	EX-137-MH	EX-134-MH
EX 138	15'	12	SST1	0.00%		EX-137-MH
EX 139	16'	12	SST1	0.00%		EX-137-MH
EX 200A	102'	12	SST1	2.35%	151-MH	200-CB
EX 200B	6'	12	SST2	2.02%	151-MH	EX-101-CB
EX 301	36'	12	SST2	5.17%	EX-301-CB	EX-302-CB
EX 302	96'	12	SST2	2.63%	EX-302-CB	EX-303-FES
EX 303	186'	15	SST2	0.28%	EX-305-MH	EX-304-FES
EX 304	234'	15	SST2	0.31%	EX-306-MH	EX-305-MH
EX 305	240'	15	SST2	0.31%	EX-307-JC	EX-306-MH
EX 306	176'	???	SST2	0.10%	EX-307-JC	EX-308-JC
EX 307	184'	15	SST1	0.47%	EX TEE 2	EX-313-MH
EX 308	209'	15	SST2	0.50%	EX TEE 3	EX TEE 2
EX 309	257'	15	SST2	0.51%	EX-309-CB	EX TEE 3
EX 313	16'	18	SST1	0.98%	EX-320-FES	EX-313-MH
EX 321	8'	18	SST1	1.31%	EX-313-MH	EX-321-CB
EX 323	26'	30	SST1	2.83%	EX-323-FES	EX-324-CB
EX 403	37'	48	SST1	0.00%		EX-404-CB
EX 404	79'	48	SST1	0.37%	EX-404-CB	EX-405-MH
EX 405	285'	48	SST1	0.20%	EX-405-MH	
EX 500	25'	18	SST1	0.24%	EX-501-INL	EX-500-FES

FILE NAME = 11558_02-STRM01 - P11

USER NAME =	DESIGNED -- PS	REVISED --
	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION DRAINAGE PIPE TABLE			
SCALE: H 1"=20' V 1"=5'	SHEET NO. 67	OF 125 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	67
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	

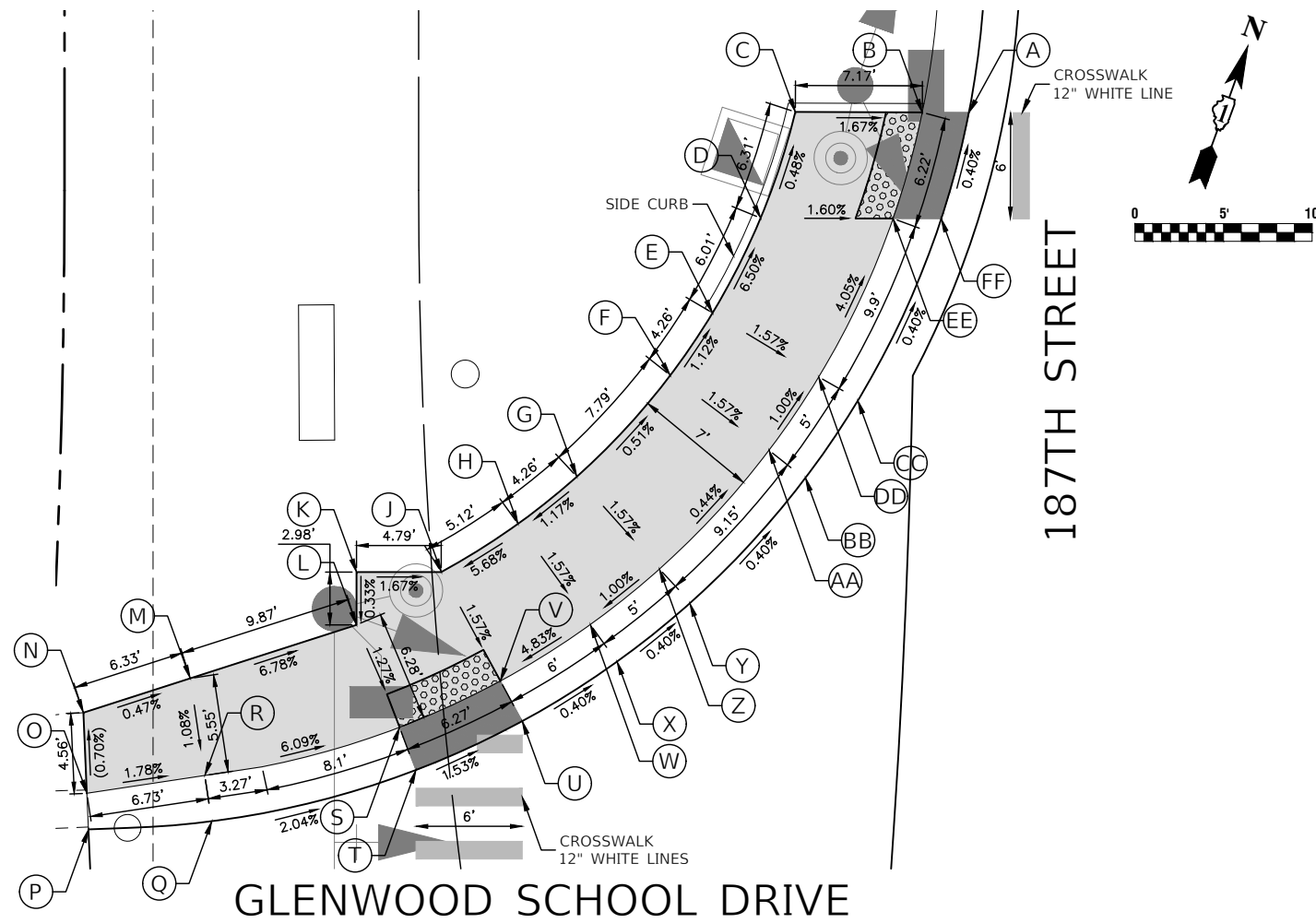


FIGURE 1 NW CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	16+51.65	18.92' LT	611.36	EP
B	16+51.66	21.56' LT	611.36	TC, CW
C	16+51.68	28.73' LT	611.48	CW
D	16+45.60	30.69' LT	611.51	CW
E	16+39.91	33.36' LT	611.90	CW
F	16+36.12	35.69' LT	611.95	CW
G	16+29.86	40.83' LT	611.99	CW
H	16+26.86	44.06' LT	611.94	CW
J	16+23.73	48.28' LT	611.65	CW
K	16+23.52	53.07' LT	611.73	CW
L	16+20.24	52.94' LT	611.72	CW
M	16+16.37	62.17' LT	612.39	CW
N	16+13.81	68.08' LT	(612.42)	CW M.E.
O	16+08.68	67.60' LT	(612.45)	TC M.E., CW M.E.
P	16+06.38	67.37' LT	(612.03)	EP M.E.
Q	16+07.44	60.46' LT	611.90	EP
R	16+10.29	61.02' LT	612.33	TC, CW
S	16+14.03	50.20' LT	611.64	TC, CW
T	16+11.46	49.14' LT	611.64	EP

	STATION	OFFSET	ELEVATION	DESCRIPTION
U	16+14.84	43.31' LT	611.54	EP
V	16+17.22	44.67' LT	611.54	TC, CW
W	16+20.92	39.74' LT	611.83	TC, CW
X	16+18.75	38.14' LT	611.52	EP
Y	16+22.47	34.18' LT	611.50	EP
Z	16+24.44	35.98' LT	611.88	TC, CW
AA	16+31.77	30.02' LT	611.84	TC, CW
BB	16+30.19	27.91' LT	611.46	EP
CC	16+34.84	25.07' LT	611.44	EP
DD	16+36.19	27.31' LT	611.79	TC, CW
EE	16+45.60	23.21' LT	611.39	TC, CW
FF	16+45.60	20.48' LT	611.39	EP

GLENWOOD SCHOOL DRIVE

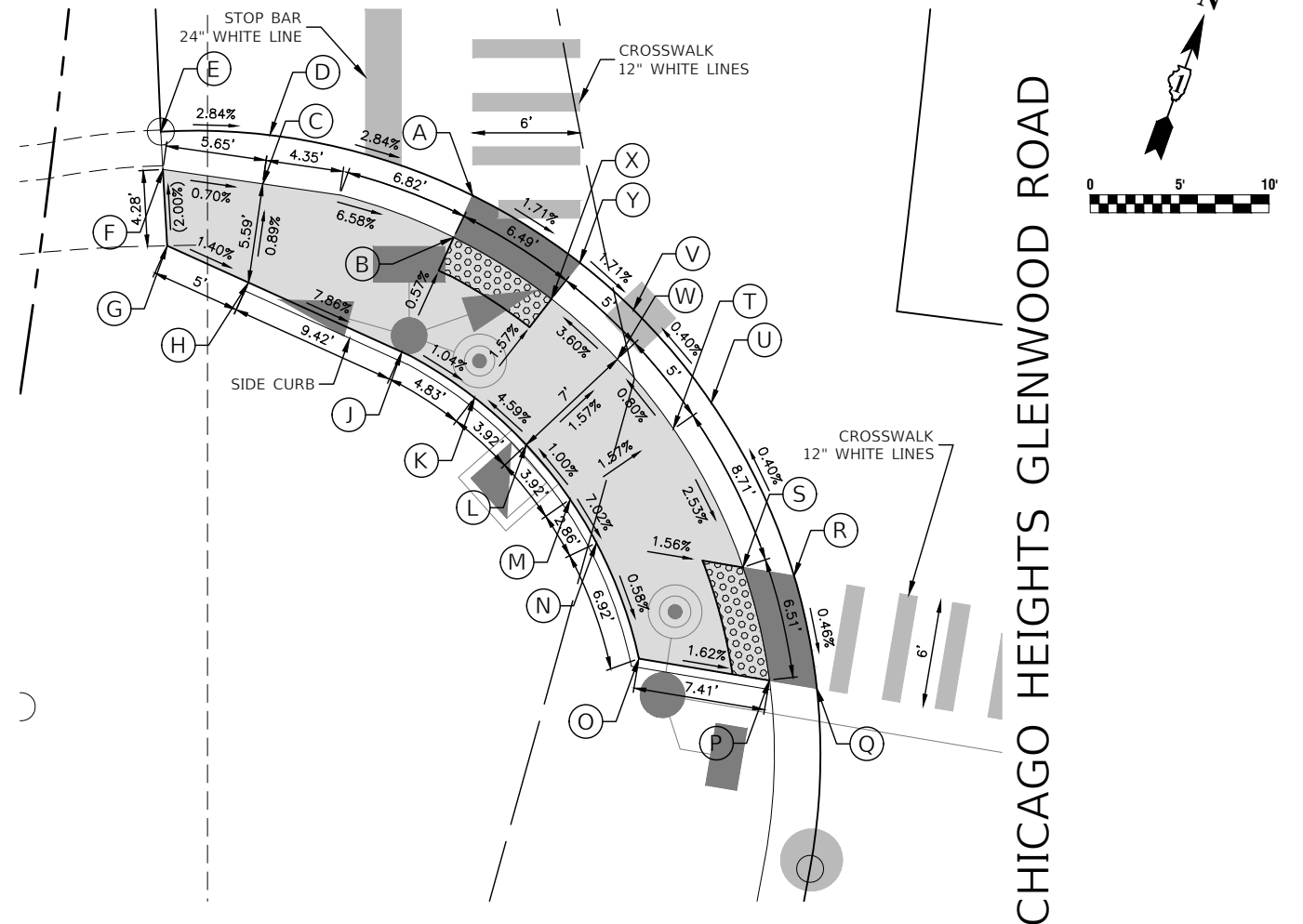


FIGURE 2 SW CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	15+78.08	46.36' LT	611.69	EP
B	15+75.40	47.13' LT	611.69	TC, CW
C	15+77.24	58.11' LT	612.42	TC, CW
D	15+80.31	58.04' LT	612.14	EP
E	15+79.74	64.12' LT	(612.20)	EP M.E.
F	15+77.39	63.75' LT	(612.46)	TC M.E., CW M.E.
G	15+72.66	62.99' LT	(612.54)	CW M.E.
H	15+71.03	58.20' LT	612.47	CW
J	15+68.05	49.18' LT	611.73	CW
K	15+65.91	44.79' LT	611.68	CW
L	15+63.52	41.55' LT	611.86	CW

	STATION	OFFSET	ELEVATION	DESCRIPTION
M	15+60.66	38.67' LT	611.90	CW
N	15+58.32	36.84' LT	611.70	CW
O	15+51.91	33.47' LT	611.66	CW
P	15+51.90	26.06' LT	611.54	TC, CW
Q	15+51.89	23.37' LT	611.54	EP
R	15+58.17	25.62' LT	611.57	EP
S	15+58.21	28.53' LT	611.57	TC, CW
T	15+65.72	33.52' LT	611.79	TC, CW
U	15+67.56	31.61' LT	611.53	EP
V	15+72.40	36.63' LT	611.50	EP/RIM
W	15+69.38	37.16' LT	611.75	TC, CW
X	15+72.44	41.26' LT	611.57	TC, CW
Y	15+74.83	39.94' LT	611.57	EP

LEGEND

- EXISTING SIDEWALK
- EXISTING LENGTH
- EXISTING SIDE CURB
- EXISTING ELEVATION/SLOPE
- EXISTING DETECTABLE WARNINGS
- PROPOSED SIDEWALK & DETECTABLE WARNINGS

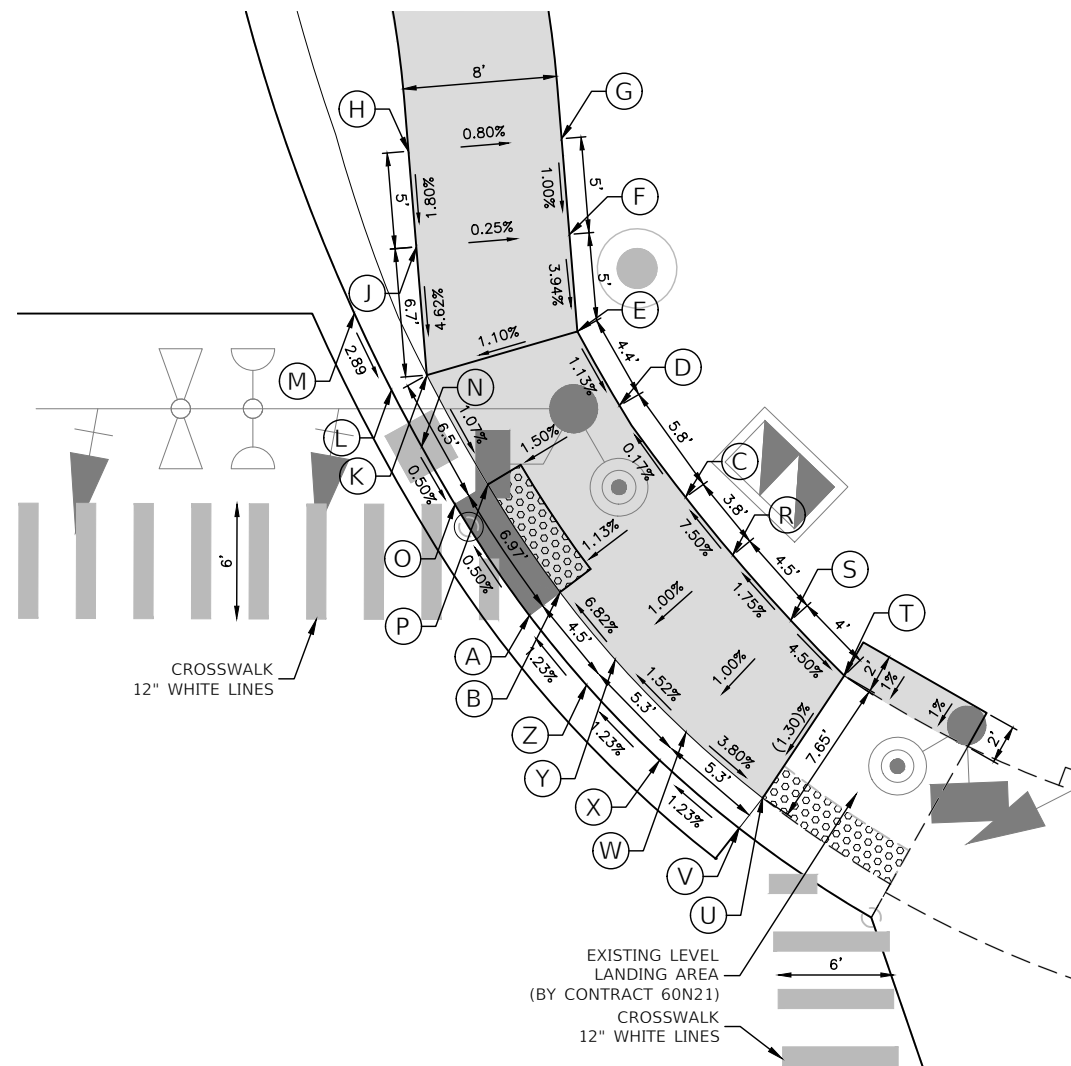
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USER NAME =	DESIGNED -- PS	REVISD --
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PLOT SCALE =	DRAWN -- BG	REVISD --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISD --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION ADA RAMP DETAILS		F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 69
SCALE: 1"=5'	SHEET NO. 69 OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		
				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)

187TH STREET



CHICAGO HEIGHTS GLENWOOD ROAD

FIGURE 3 NE CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	16+45.81	40.16' RT	611.50	EP
B	16+46.94	41.76' RT	611.50	TC, CW
C	16+51.86	48.29' RT	611.59	CW
D	16+56.64	44.85' RT	611.58	CW
E	16+60.50	42.66' RT	611.63	CW
F	16+65.55	42.25' RT	611.83	CW
G	16+70.53	41.84' RT	611.88	CW
H	16+69.88	33.87' RT	611.94	CW
J	16+64.89	34.28' RT	611.85	CW
K	16+58.22	34.82' RT	611.54	TC, CW
L	16+57.44	32.98' RT	611.54	EP
M	16+61.43	31.04' RT	611.67	EP
N	16+54.49	34.54' RT	611.44	EP, RIM
O	16+51.49	36.28' RT	611.46	EP
P	16+52.52	38.00' RT	611.46	TC

	STATION	OFFSET	ELEVATION	DESCRIPTION
R	16+48.85	50.75' RT	611.89	CW
S	16+45.60	53.78' RT	611.97	CW
T	16+42.99	56.57' RT	(611.79)	CW M.E.
U	16+37.12	52.41' RT	(611.69)	CW M.E.
V	16+35.65	51.21' RT	(611.69)	CW M.E.
W	16+40.21	48.36' RT	611.89	TC
X	16+38.85	47.01' RT	611.62	EP
Y	16+43.68	44.65' RT	611.81	TC
Z	16+42.44	43.16' RT	611.55	EP

LEGEND

- xx.xx' EXISTING LENGTH
- EXISTING SIDE CURB
- () EXISTING ELEVATION/SLOPE
- EXISTING SIDEWALK
- EXISTING DETECTABLE WARNINGS
- PROPOSED SIDEWALK & DETECTABLE WARNINGS

CHICAGO HEIGHTS GLENWOOD ROAD

CHICAGO HEIGHTS GLENWOOD ROAD

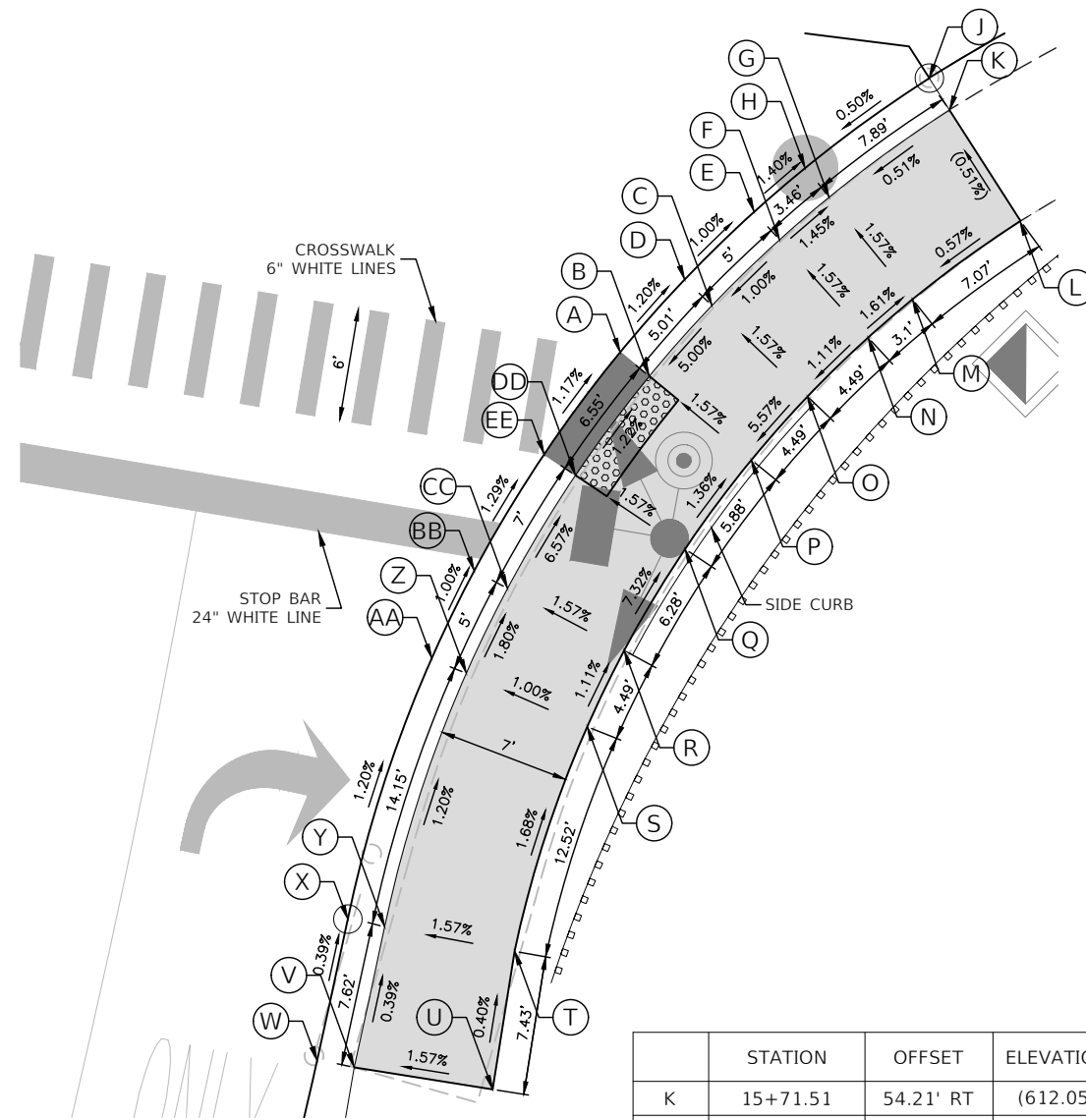


FIGURE 4 SE CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	15+57.44	38.79' RT	611.76	EP
B	15+56.49	40.51' RT	611.76	TC, CW
C	15+60.42	43.22' RT	612.01	TC, CW
D	15+61.49	41.59' RT	611.70	EP
E	15+65.29	44.72' RT	611.65	EP
F	15+64.10	46.26' RT	612.06	TC, CW
G	15+66.51	48.54' RT	612.01	TC, CW
H	15+67.77	47.07' RT	611.60	EP, RIM
J	15+72.91	52.96' RT	(611.64)	EP M.E.

	STATION	OFFSET	ELEVATION	DESCRIPTION
K	15+71.51	54.21' RT	(612.05)	TC M.E., CW M.E.
L	15+66.66	58.76' RT	(612.16)	CW M.E.
M	15+62.17	53.69' RT	612.12	CW
N	15+60.01	51.66' RT	612.17	CW
O	15+56.71	48.96' RT	612.12	CW
P	15+53.21	46.56' RT	611.87	CW
Q	15+48.36	43.88' RT	611.95	CW
R	15+42.89	41.64' RT	612.41	CW
S	15+38.85	40.45' RT	612.46	CW
T	15+27.23	39.00' RT	612.67	CW
U	15+20.29	39.41' RT	612.70	CW
V	15+19.85	32.00' RT	612.59	TC, CW
W	15+19.78	30.01' RT	612.18	EP
X	15+27.07	30.00' RT	612.15	EP
Y	15+27.07	32.00' RT	612.56	TC, CW
Z	15+40.35	33.63' RT	612.39	TC, CW
AA	15+40.78	31.68' RT	611.98	EP
BB	15+45.48	33.07' RT	611.93	EP
CC	15+44.90	34.97' RT	612.30	TC, CW
DD	15+51.04	37.49' RT	611.84	TC, CW
EE	15+51.82	35.67' RT	611.84	EP

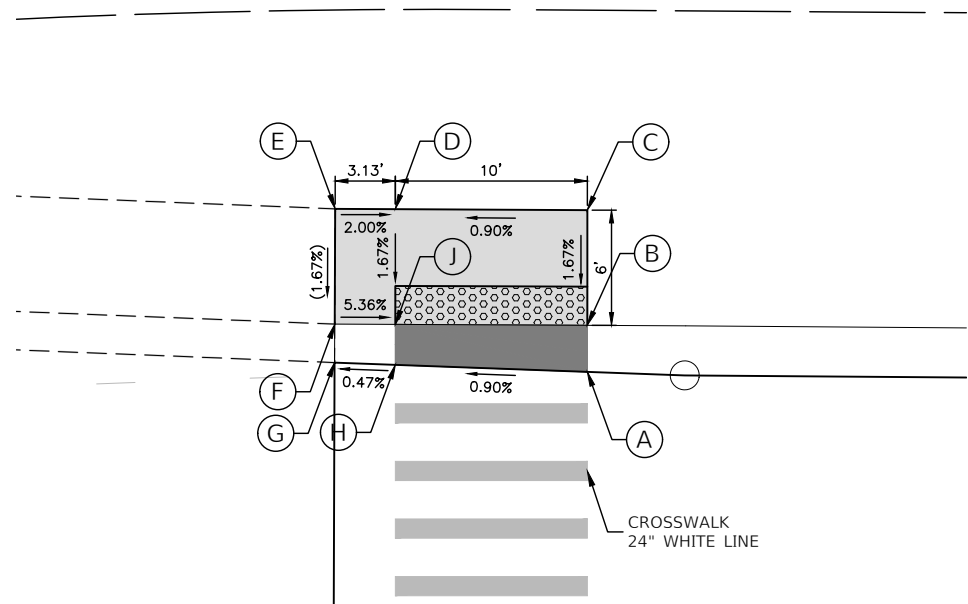
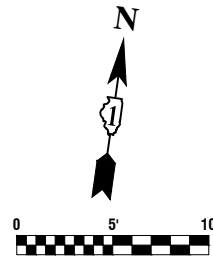
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	CHECKED -- JDH	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION ADA RAMP DETAILS	
SCALE: 1"=5'	SHEET NO. 70 OF 125 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	70
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



CHICAGO HEIGHTS GLENWOOD ROAD

FIGURE 7 NORTH SIDE

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	34+61.90	14.16' LT	614.22	EP
B	34+61.90	16.58' LT	614.22	TC, CW
C	34+61.88	22.58' LT	614.32	CW
D	34+52.03	22.65' LT	614.23	CW
E	34+48.95	22.67' LT	(614.40)	CW M.E.

	STATION	OFFSET	ELEVATION	DESCRIPTION
F	34+48.89	16.66' LT	(614.30)	TC M.E., CW M.E.
G	34+48.87	14.66' LT	(614.12)	EP M.E.
H	34+52.00	14.53' LT	614.13	EP
J	34+52.01	16.63' LT	614.13	TC, CW

CHICAGO HEIGHTS GLENWOOD ROAD

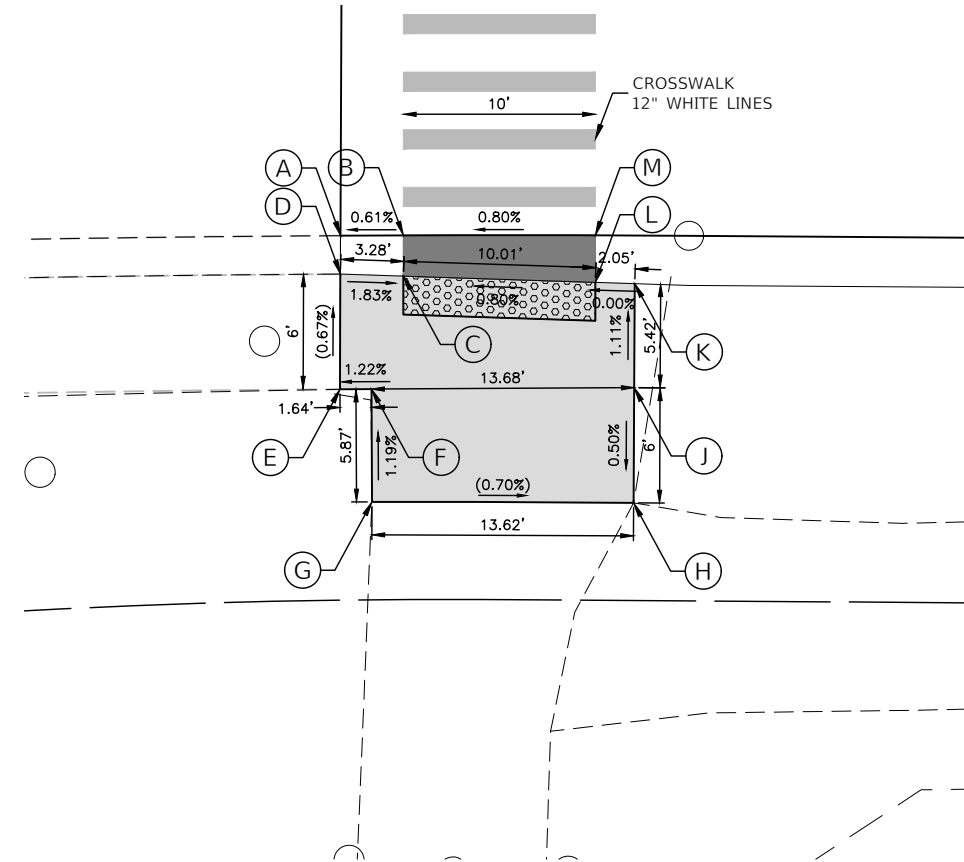
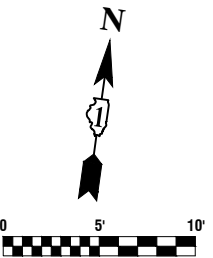


FIGURE 8 SOUTH SIDE

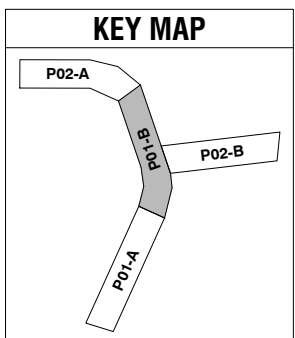
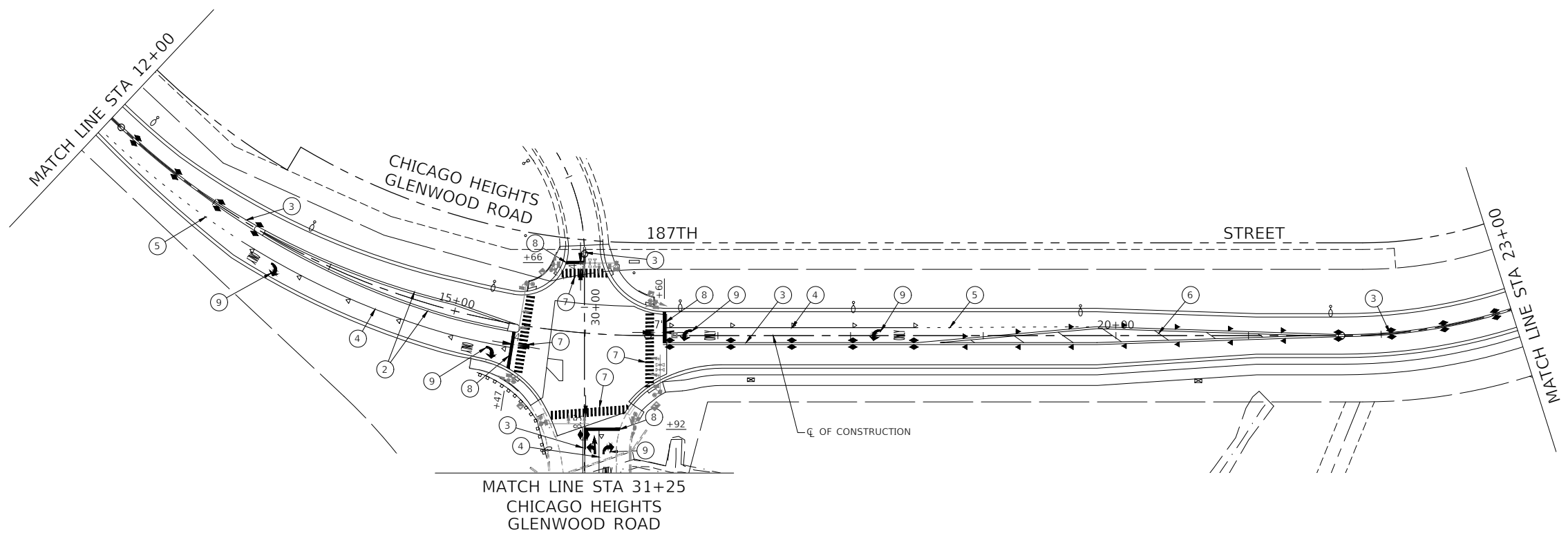
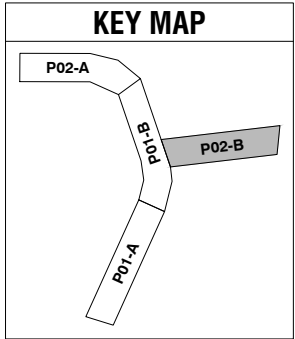
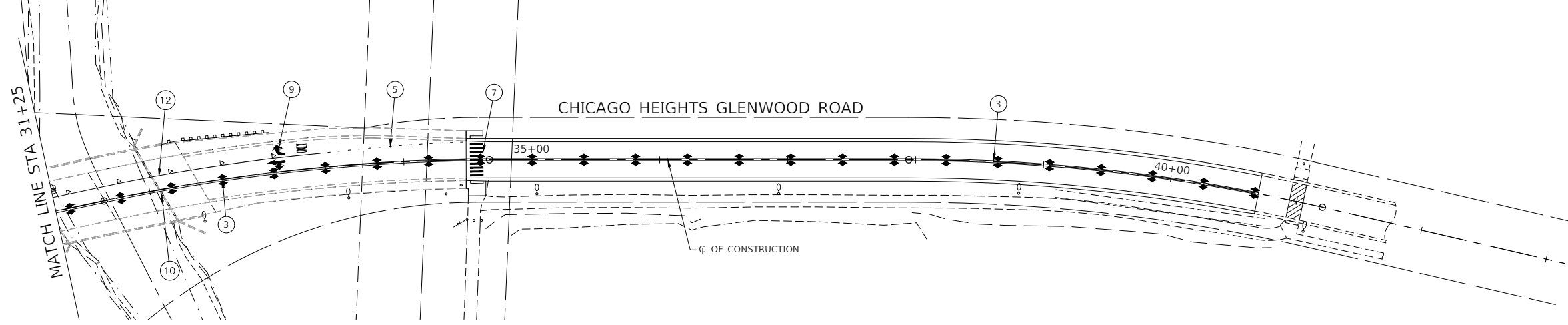
	STATION	OFFSET	ELEVATION	DESCRIPTION
A	34+48.60	14.00' RT	(614.12)	EP M.E.
B	34+51.90	14.00' RT	614.14	EP
C	34+51.90	16.12' RT	614.14	TC, CW
D	34+48.58	16.00' RT	(614.20)	TC M.E., CW M.E.
E	34+48.52	22.00' RT	(614.24)	CW M.E.
F	34+50.19	22.00' RT	614.25	CW

	STATION	OFFSET	ELEVATION	DESCRIPTION
G	34+50.19	27.87' RT	(614.32)	CW M.E.
H	34+64.08	27.92' RT	(614.25)	CW M.E.
J	34+64.08	21.93' RT	614.28	CW
K	34+64.08	16.51' RT	614.22	TC, CW
L	34+62.01	16.45' RT	614.22	TC, CW
M	34+62.00	14.00' RT	614.22	EP

LEGEND

- xx.xx ' EXISTING LENGTH
- ==== EXISTING SIDE CURB
- () EXISTING ELEVATION/SLOPE
- EXISTING SIDEWALK
- EXISTING DETECTABLE WARNINGS
- PROPOSED SIDEWALK & DETECTABLE WARNINGS

THORN CREEK



- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ③ DOUBLE YELLOW - THERMOPLASTIC PAVEMENT MARKING - LINE 4" (11' C-C)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6" SKIP
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45°, 30' C-C
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR LINE
- ⑨ WHITE LETTERS & SYMBOLS MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS, SEE DISTRICT 1 DETAIL TC-13
- ⑩ DOUBLE YELLOW - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑪ WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑫ WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

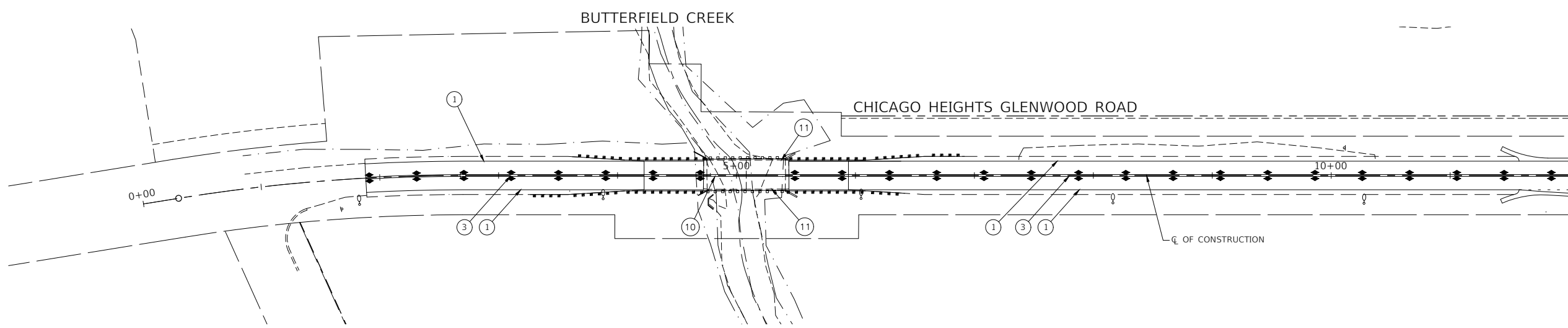
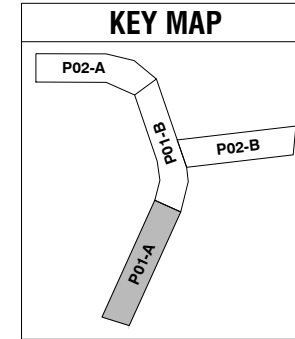
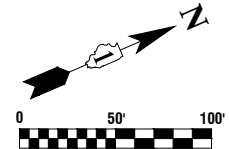
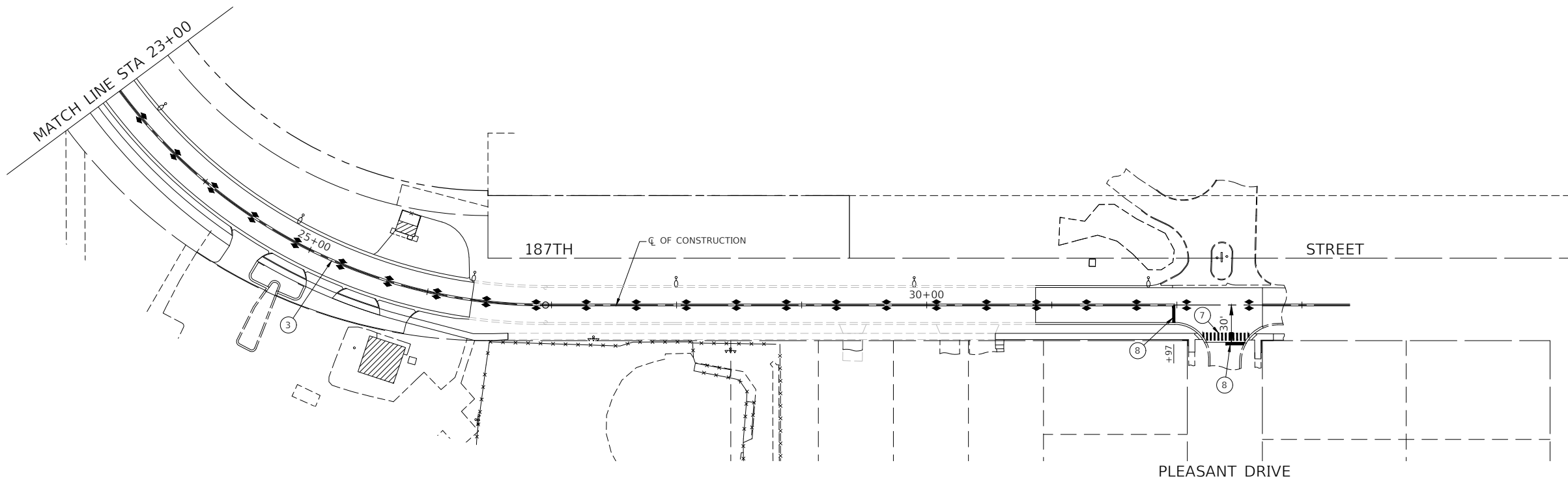
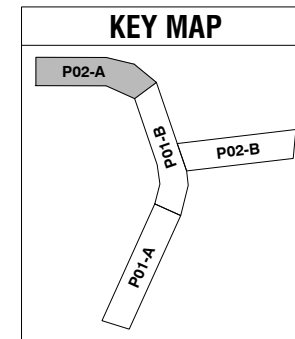
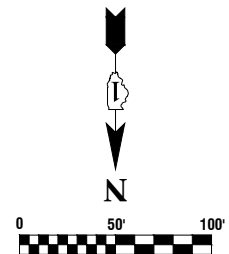
- ◀ ONE-WAY MARKER
40' C/C UNLESS OTHERWISE INDICATED
- ◄ ONE-WAY MARKER
40' C/C UNLESS OTHERWISE INDICATED
- ◆ TWO-WAY MARKER
40' C/C UNLESS OTHERWISE INDICATED

FILE NAME = 11558_02-PVMK-01 - P01	USER NAME =	DESIGNED - PS	REVISED -
		CHECKED - JDH	REVISED -
	PLOT SCALE =	DRAWN - DS	REVISED -
	PLOT DATE = 07-08-24	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION PAVEMENT MARKING		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=50'		1624	11-00052-00-CH	COOK	125	73
SHEET NO. 73 OF 125 SHEETS		CONTRACT NO. 61K48		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)		

STA.	TO STA.
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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ③ DOUBLE YELLOW - THERMOPLASTIC PAVEMENT MARKING - LINE 4" (11' C-C)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6" SKIP
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45°, 30' C-C
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR LINE
- ⑨ WHITE LETTERS & SYMBOLS MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS, SEE DISTRICT 1 DETAIL TC-13
- ⑩ DOUBLE YELLOW - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑪ WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑫ WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

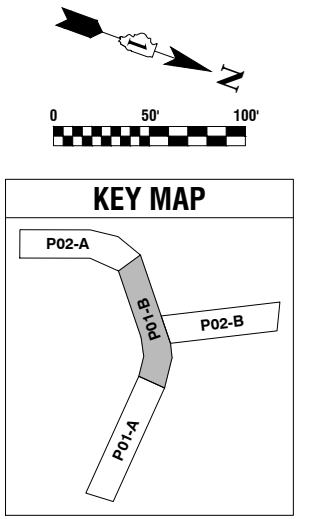
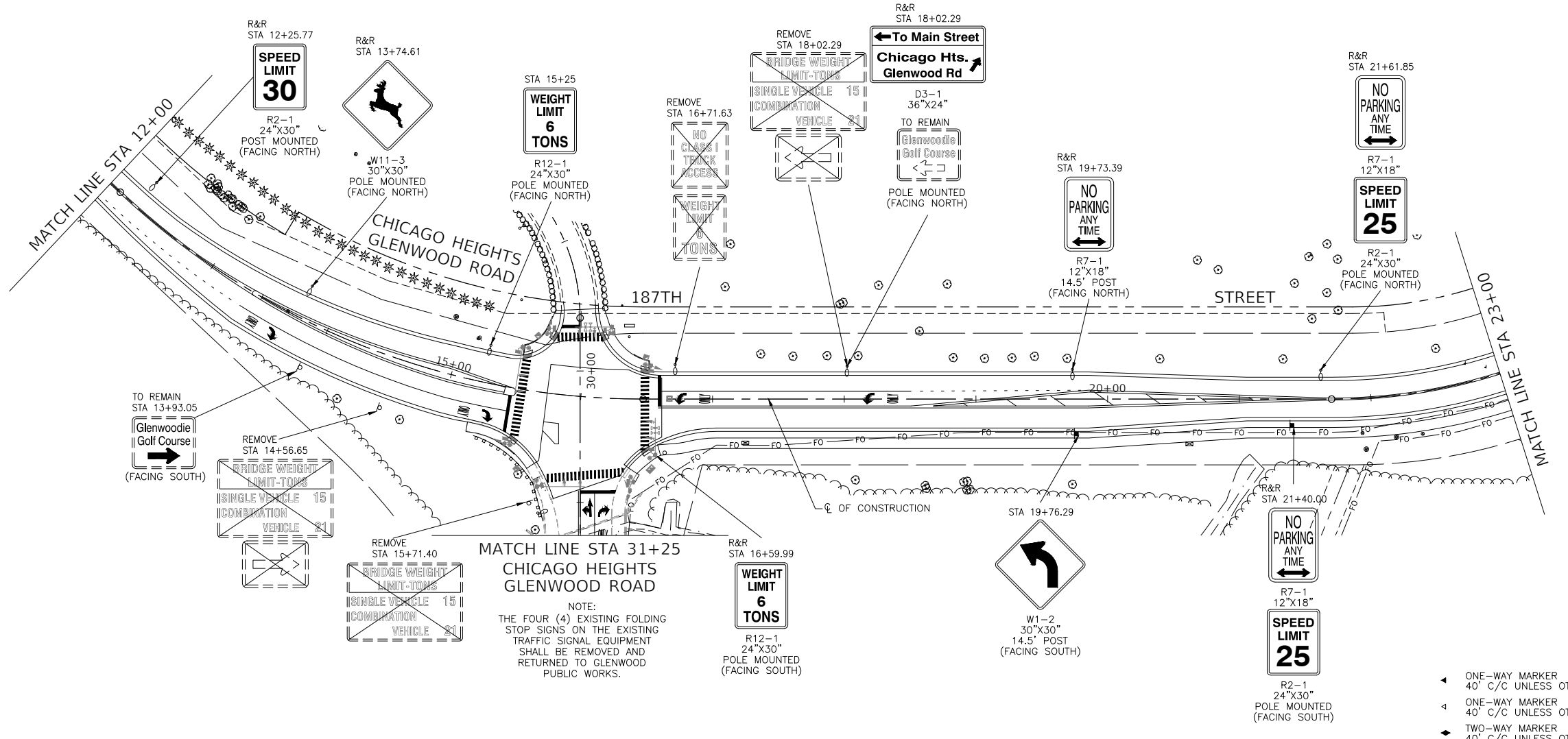
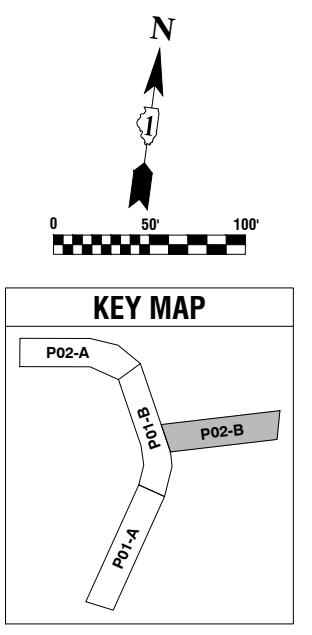
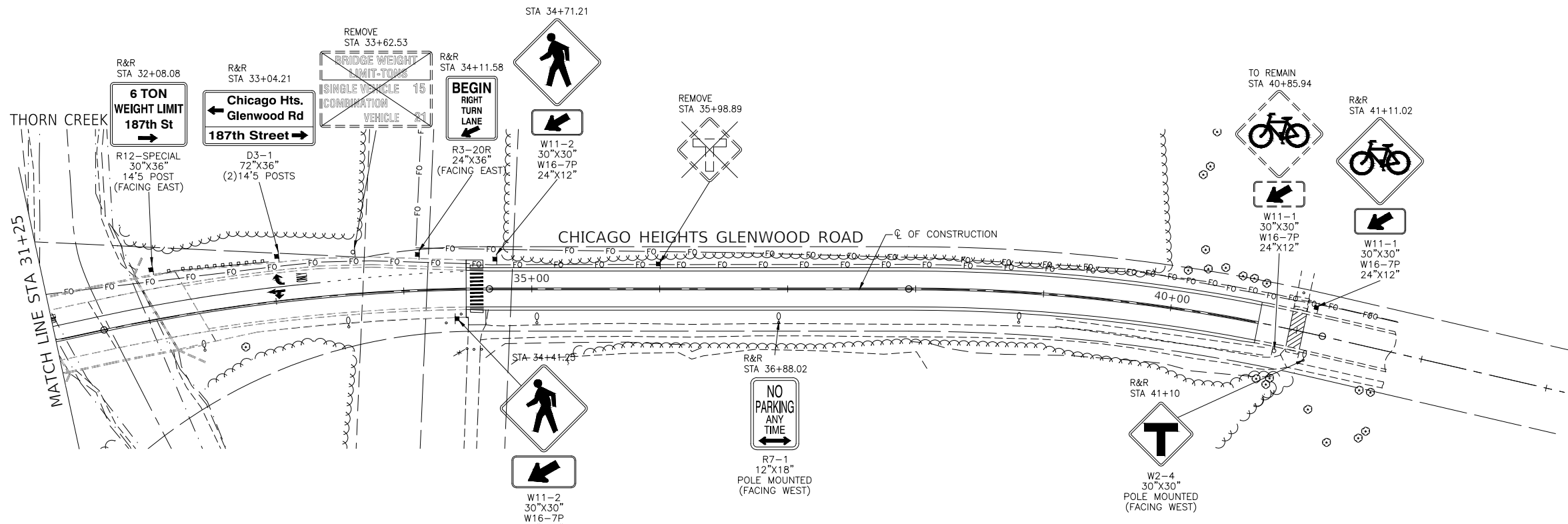
- ◀ ONE-WAY MARKER
40' C/C UNLESS OTHERWISE INDICATED
- ◄ ONE-WAY MARKER
40' C/C UNLESS OTHERWISE INDICATED
- ◆ TWO-WAY MARKER
40' C/C UNLESS OTHERWISE INDICATED

FILE NAME = 11558_02-PVMK-01 - P02	USER NAME =	DESIGNED - PS	REVISED -
		CHECKED - JDH	REVISED -
	PLOT SCALE =	DRAWN - DS	REVISED -
	PLOT DATE = 07-08-24	CHECKED - AG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION PAVEMENT MARKING	
SCALE: 1"=50'	SHEET NO. 74 OF 125 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	74
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



NOTE:
THE FOUR (4) EXISTING FOLDING STOP SIGNS ON THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND RETURNED TO GLENWOOD PUBLIC WORKS.

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- 3 DOUBLE YELLOW - MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (11' C-C)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE LANE LINE
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6" SKIP
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45°, 30' C-C
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR LINE
- 9 WHITE LETTERS & SYMBOLS MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS, SEE DISTRICT 1 DETAIL TC-13
- 10 DOUBLE YELLOW - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- 11 WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- 12 WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

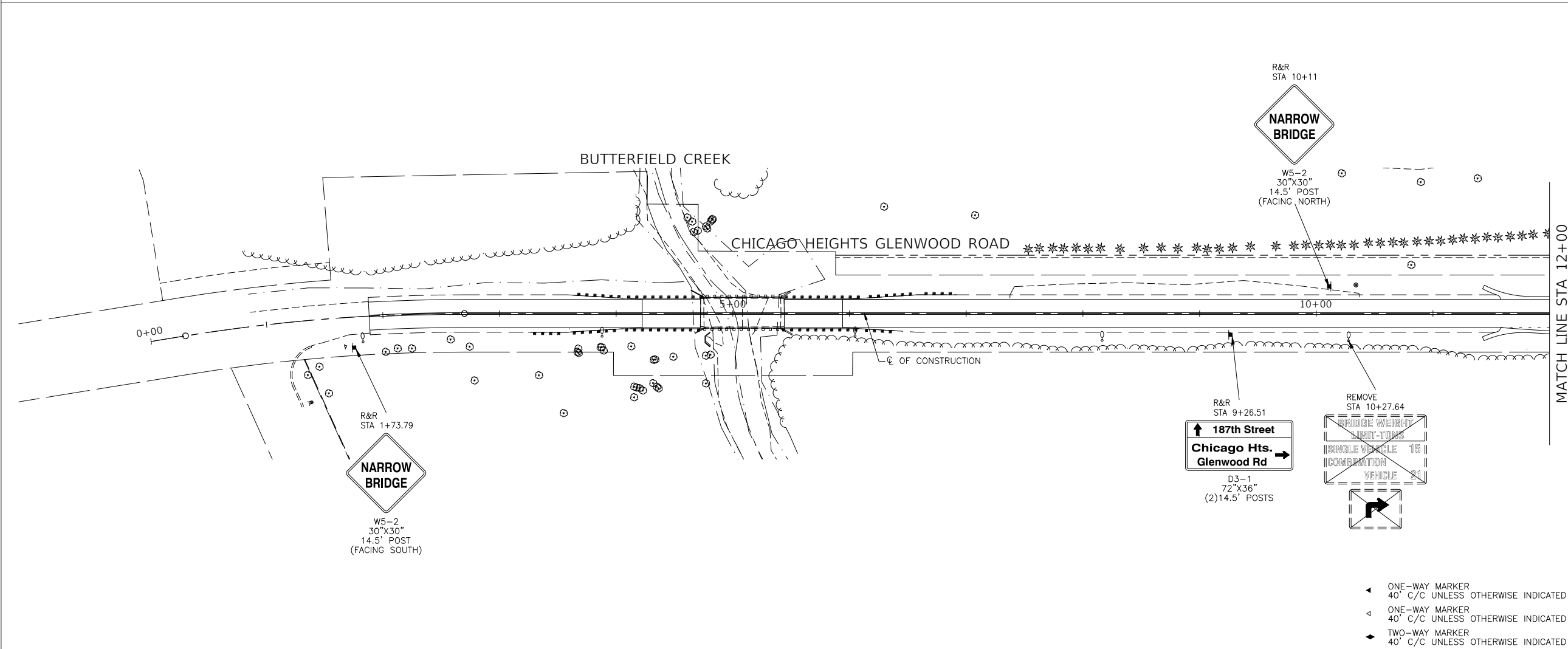
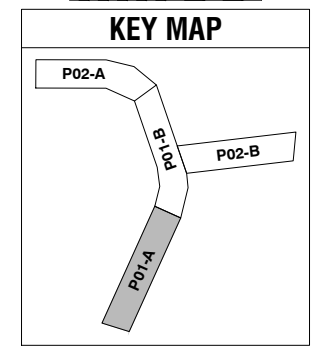
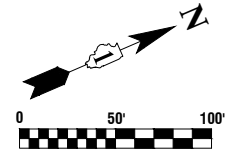
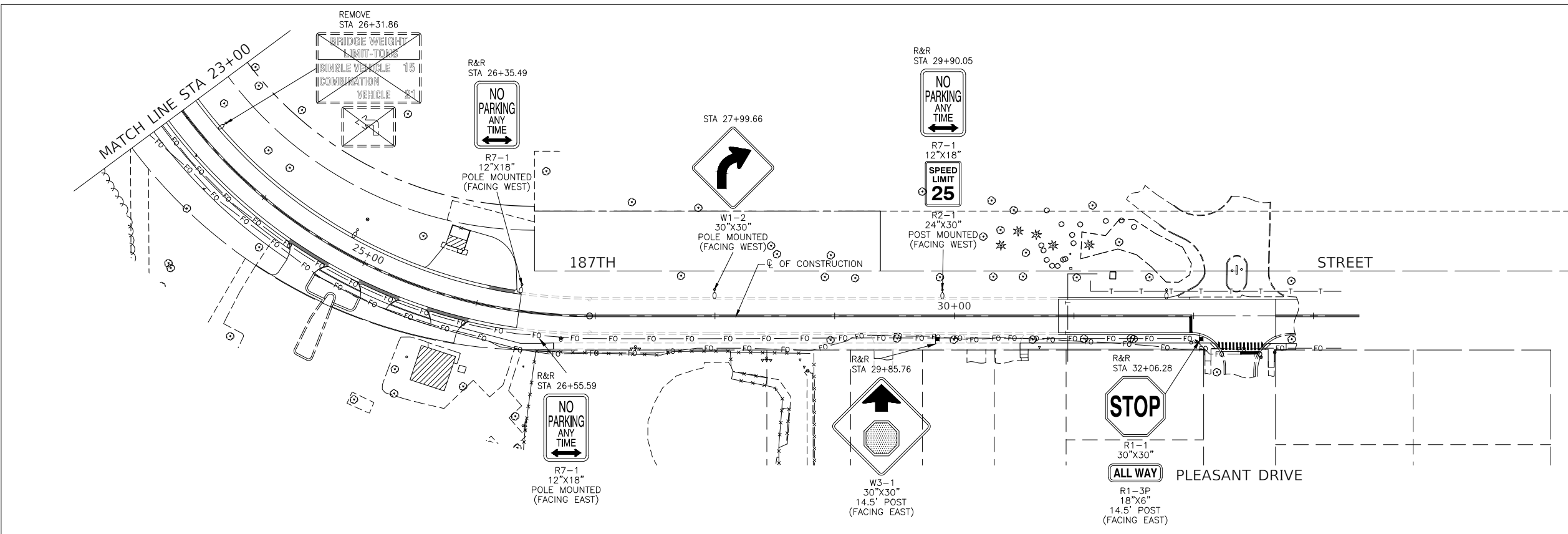
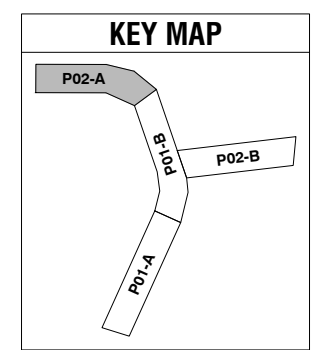
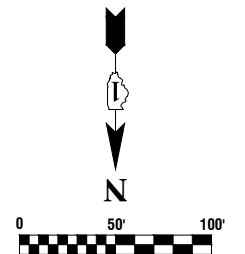
- ◀ ONE-WAY MARKER 40' C/C UNLESS OTHERWISE INDICATED
- ◁ ONE-WAY MARKER 40' C/C UNLESS OTHERWISE INDICATED
- ◆ TWO-WAY MARKER 40' C/C UNLESS OTHERWISE INDICATED

FILE NAME = 11558_02-SIGN-01 - P01	USER NAME =	DESIGNED - PS	REVISED -
	CHECKED - JDH	REVISIONS -	
PLOT SCALE =	DRAWN - DS	REVISIONS -	
PLOT DATE = 07-08-24	CHECKED - AG	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET ROAD RECONSTRUCTION SIGNING		F.A.U. R.T.E. = 1624	SECTION = 11-00052-00-CH	COUNTY = COOK	TOTAL SHEETS = 125	SHEET NO. = 75
SCALE: 1"=50'	SHEET NO. 75 OF 125 SHEETS	STA.	TO STA.	CONTRACT NO. 61K48		

FED. ROAD DIST. NO. = 1	ILLINOIS	FED. AID PROJECT = S2XJ(109)
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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ③ DOUBLE YELLOW - MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (11' C-C)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6" SKIP
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45°, 30' C-C
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR LINE
- ⑨ WHITE LETTERS & SYMBOLS MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS, SEE DISTRICT 1 DETAIL TC-13
- ⑩ DOUBLE YELLOW - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑪ WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑫ WHITE LINE - MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

- ◀ ONE-WAY MARKER 40' C/C UNLESS OTHERWISE INDICATED
- ◁ ONE-WAY MARKER 40' C/C UNLESS OTHERWISE INDICATED
- ◆ TWO-WAY MARKER 40' C/C UNLESS OTHERWISE INDICATED

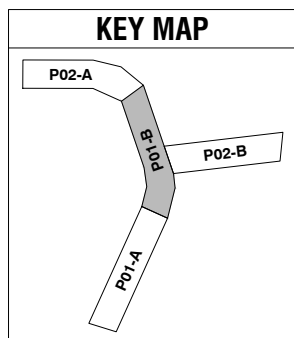
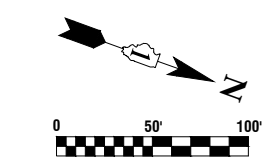
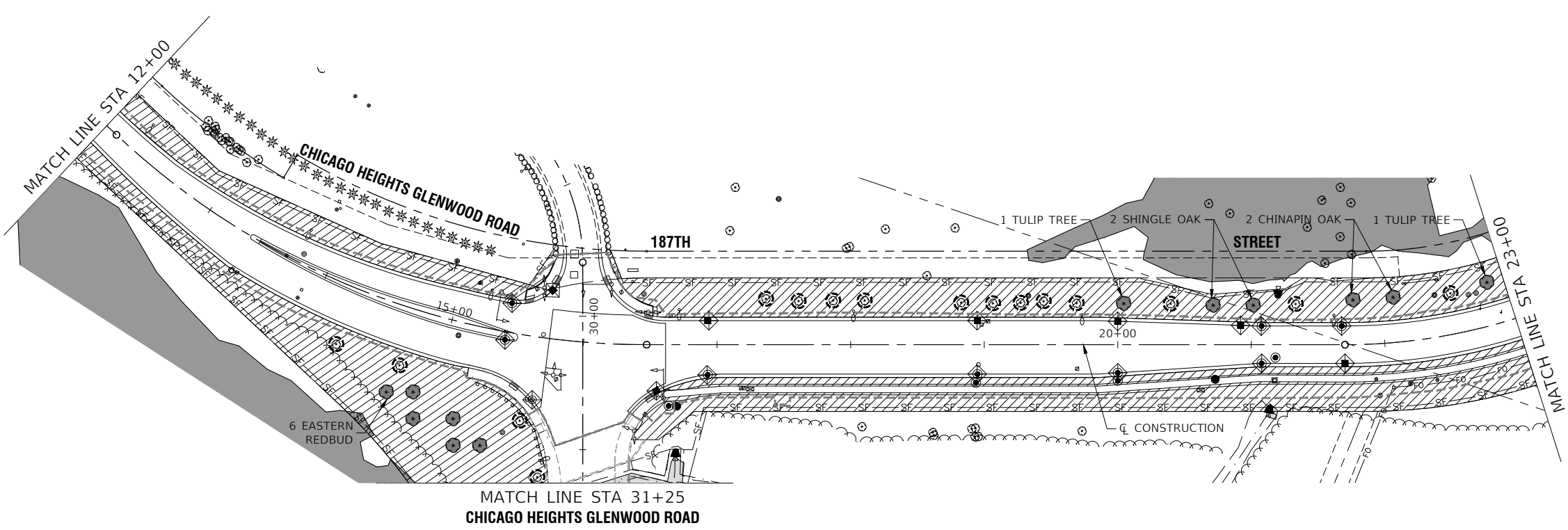
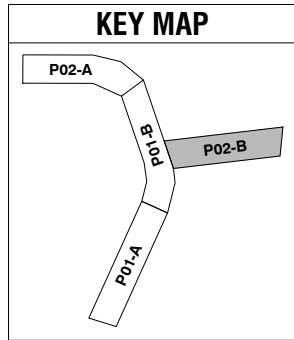
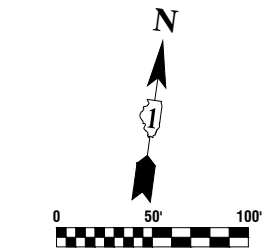
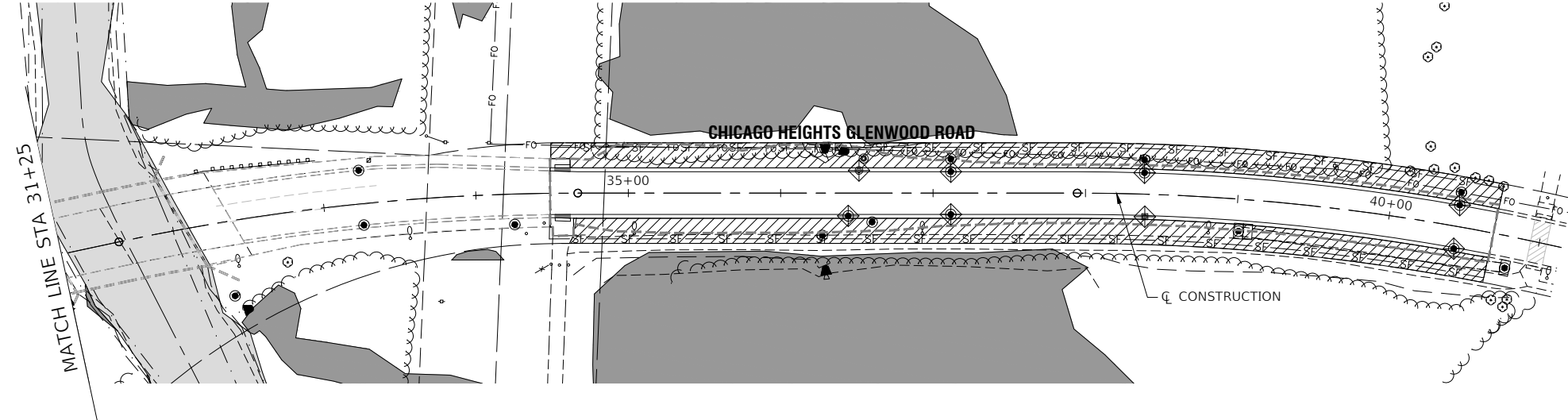
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	PLOT SCALE =	DRAWN -- DS	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

187TH STREET ROAD RECONSTRUCTION SIGNING	
SCALE: 1"=50'	SHEET NO. 76 OF 125 SHEETS
STA.	TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	76
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	

THORN CREEK



- LEGEND**
- SF — PERIMETER EROSION BARRIER
 - [Hatched Box] TOP SOIL FURNISH AND PLACE, 4" & SODDING, SALT TOLERANT
 - [Dotted Box] TOP SOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B (MODIFIED)
 - [Cross-hatched Box] SEEDING, CLASS 5B (MODIFIED)
 - [Wavy Line Box] EROSION CONTROL BLANKET (SPECIAL)
 - [Diamond with X] INLET FILTER
 - [Circle with X] TREE TRUNK PROTECTION
 - [Dashed Line] TEMPORARY DITCH CHECKS
 - [Dark Grey Box] JURISDICTIONAL WETLAND
 - [Light Grey Box] WATERS OF THE US (WOUS)
 - [Dashed Line] LIMITS OF CONSTRUCTION

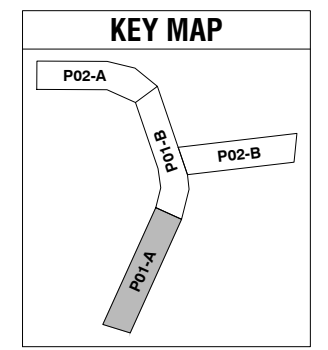
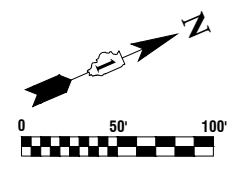
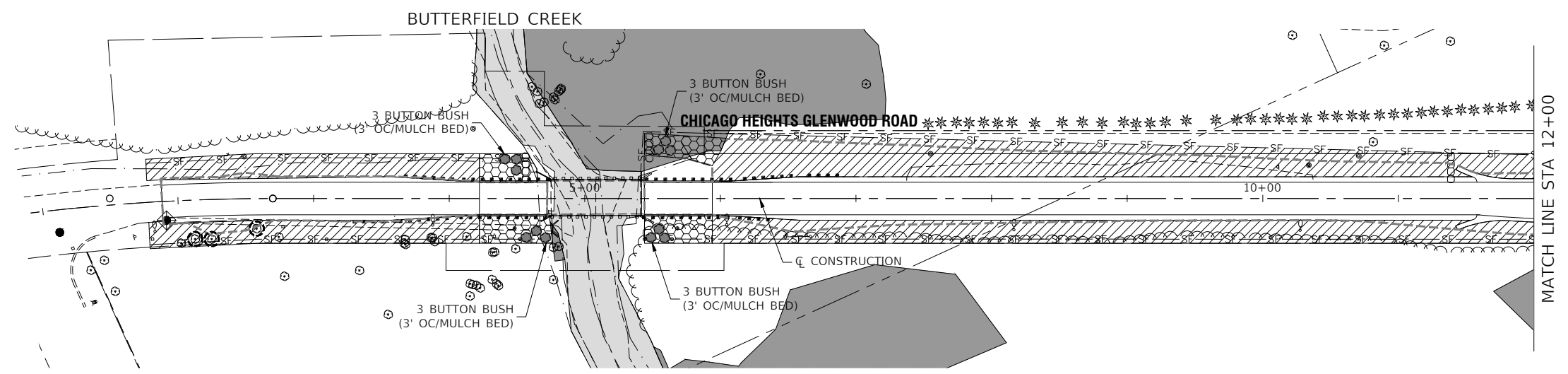
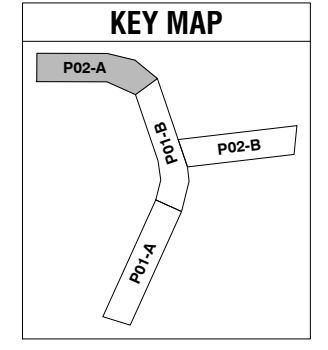
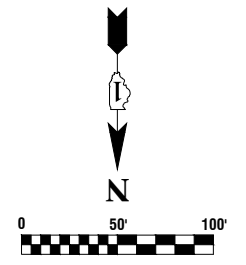
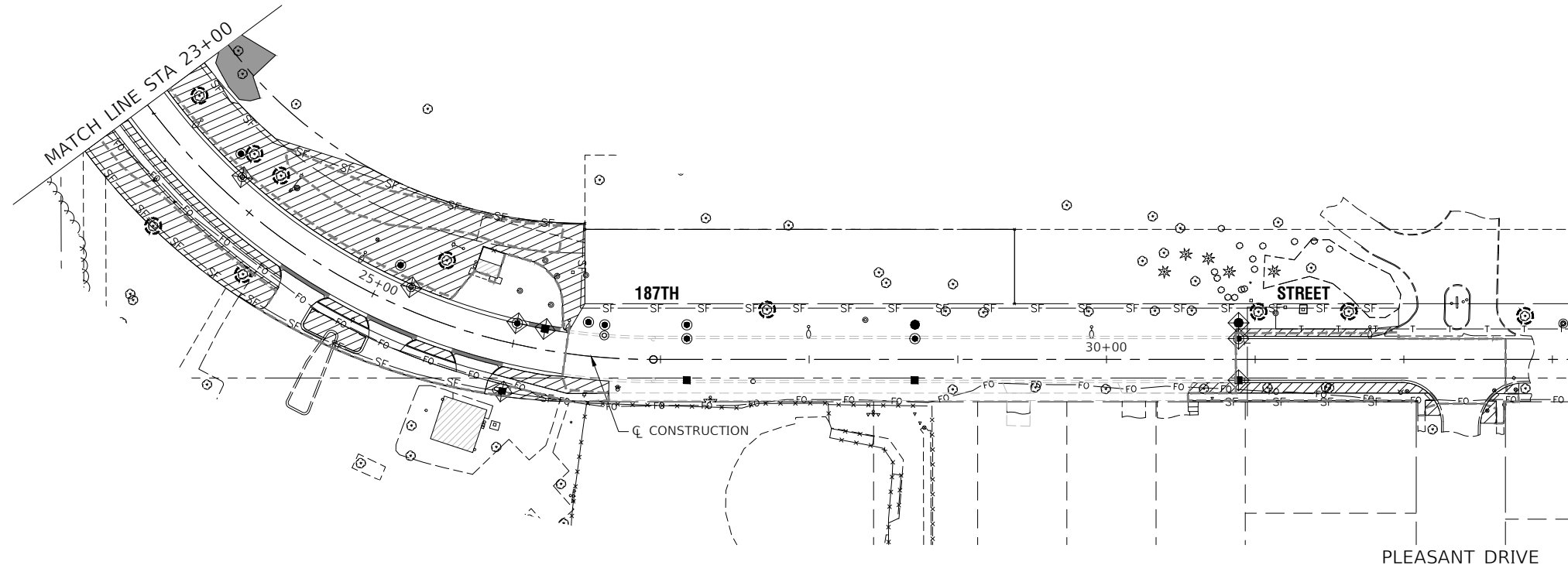
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		CHECKED — JDH	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 07-08-24	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET
ROAD RECONSTRUCTION
LANDSCAPING & EROSION CONTROL

SCALE: 1"=50' SHEET NO. 77 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	77
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)				



- LEGEND**
- SF— PERIMETER EROSION BARRIER
 - [Hatched Box] TOP SOIL FURNISH AND PLACE, 4" & SODDING, SALT TOLERANT
 - [Dotted Box] TOP SOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B (MODIFIED)
 - [Cross-hatched Box] TOP SOIL FURNISH AND PLACE, 4" SEEDING, CLASS 5B (MODIFIED)
 - [Stippled Box] EROSION CONTROL BLANKET (SPECIAL)
 - [Diamond with X] INLET FILTER
 - [Circle with X] TREE TRUNK PROTECTION
 - [Circle with Dashed Line] TEMPORARY DITCH CHECKS
 - [Dark Grey Box] JURISDICTIONAL WETLAND
 - [Light Grey Box] WATERS OF THE US (WOUS)
 - [Dashed Line] LIMITS OF CONSTRUCTION

FILE NAME = 11558_02-LNSC-01 - P02	USER NAME =	DESIGNED -- PS	REVISED --
		CHECKED -- JDH	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 07-08-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

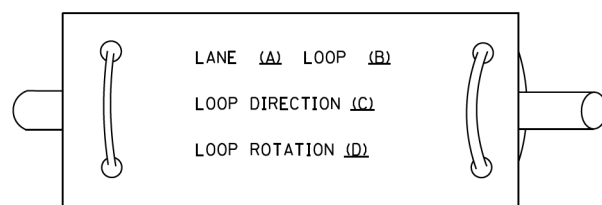
187TH STREET ROAD RECONSTRUCTION LANDSCAPING & EROSION CONTROL			
SCALE: 1"=50'	SHEET NO. 78 OF 125 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	78
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT S2XJ(109)		

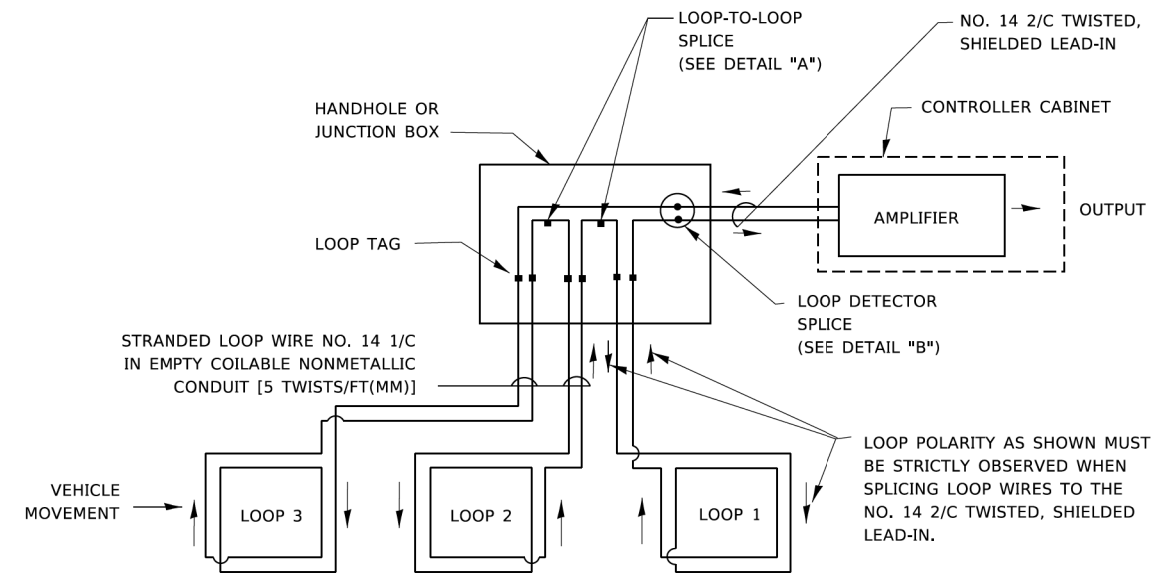
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

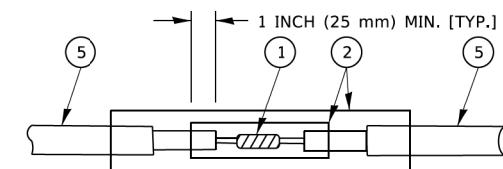


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

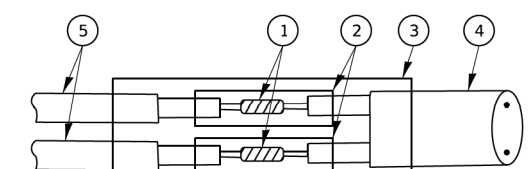


DETECTOR LOOP WIRING SCHEMATIC

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

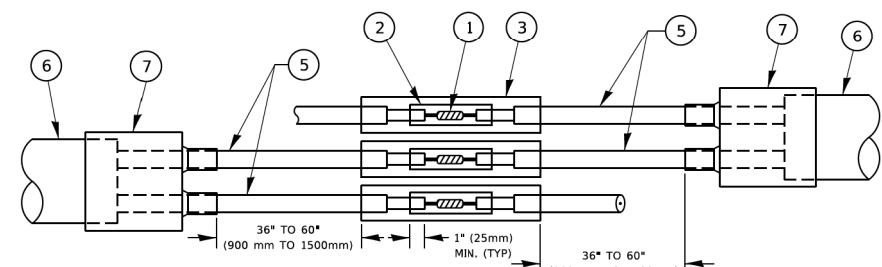


DETAIL "A"
LOOP-TO-LOOP SPLICE

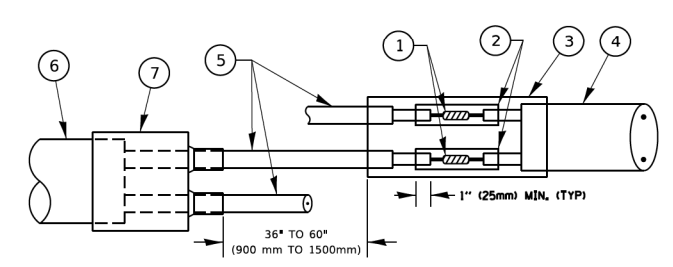


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED 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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

MODEL: Detail - District One Standard Traffic Signal Design Details
 FILE NAME: P:\01\BATE\BATE\ES\Illinois\DOT\Documents\DOT Offices\Bate\1\Projects\Dist1\2023-24\CADD\Dist1\CAD\Sheet\TS05.dgn
TS SHT NO. 2

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE - 07/08/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

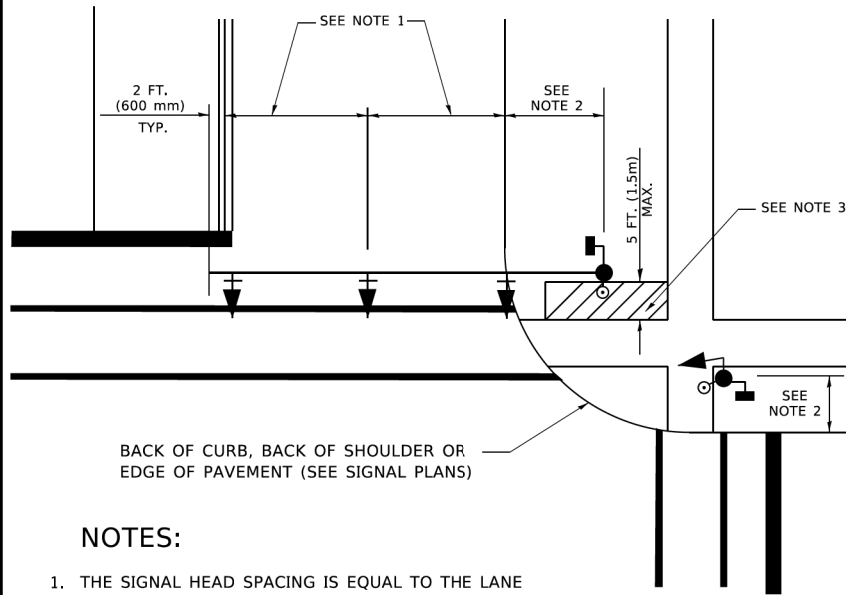
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	80
TS-05		CONTRACT NO. 61K48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 52X(109)				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

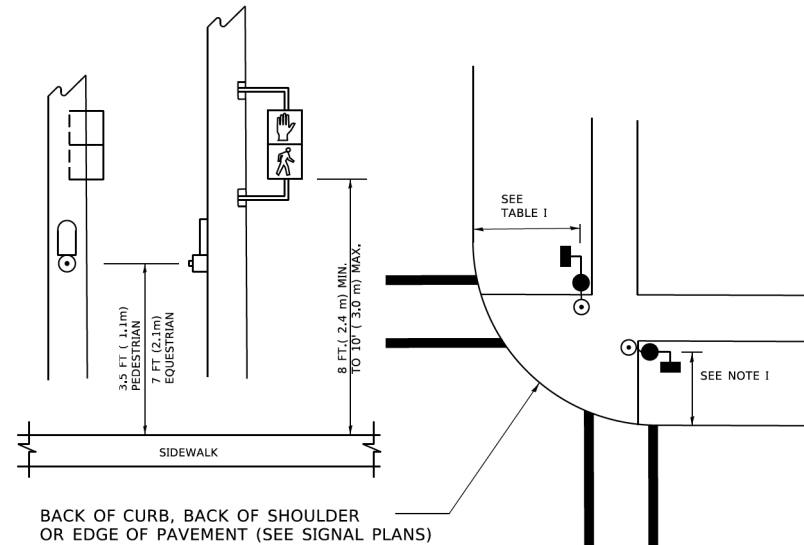
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

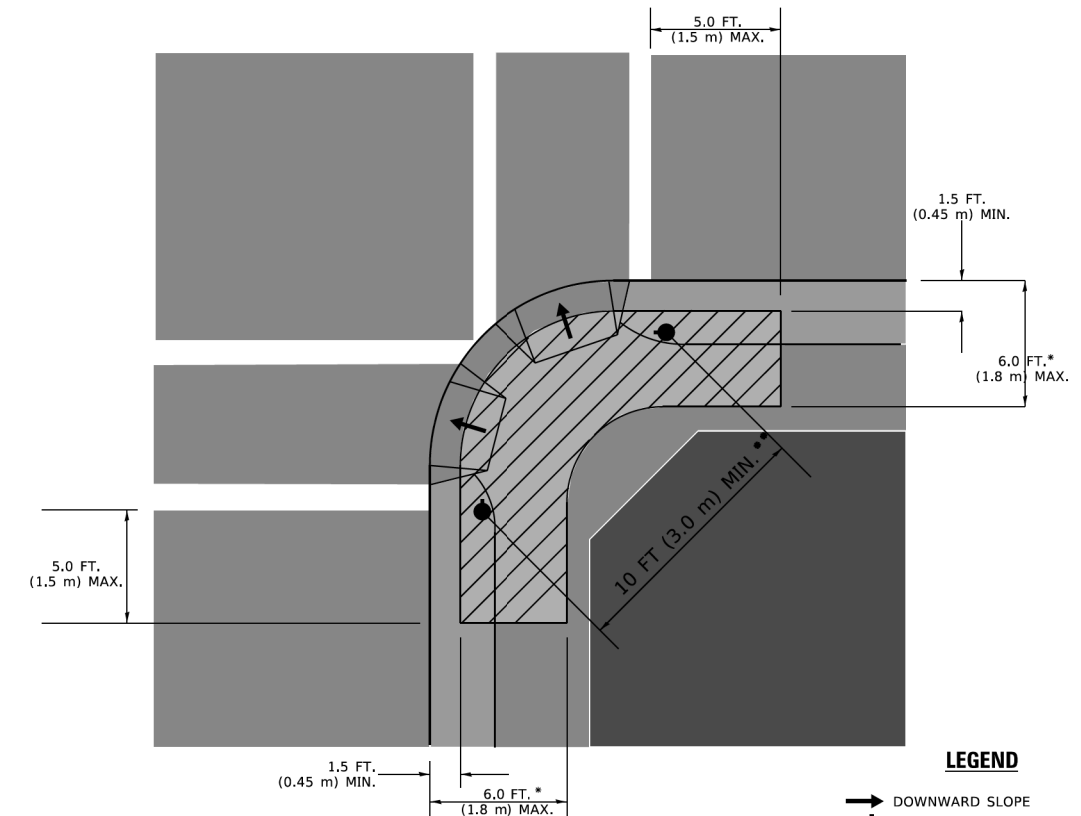
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), 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 TO THE 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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TS SHT NO. 3

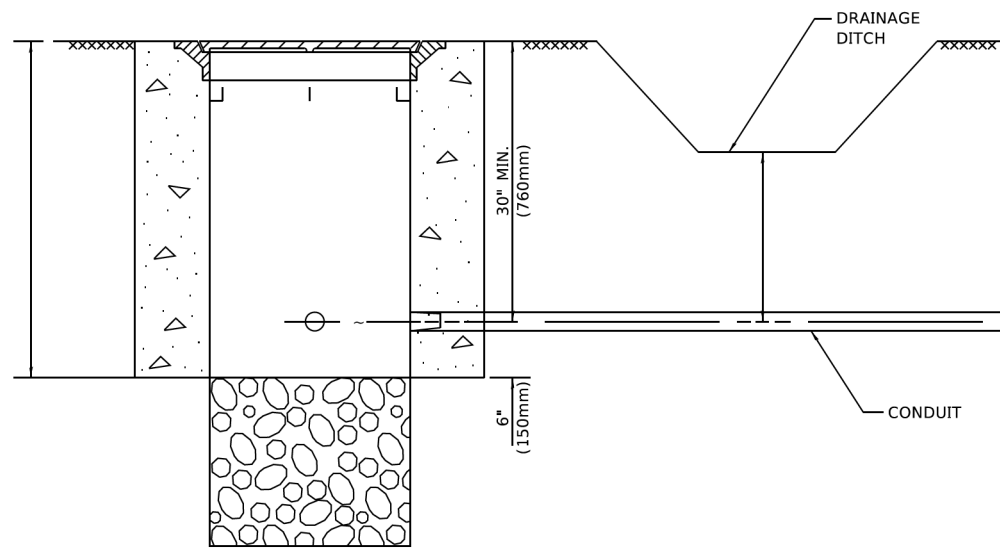
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

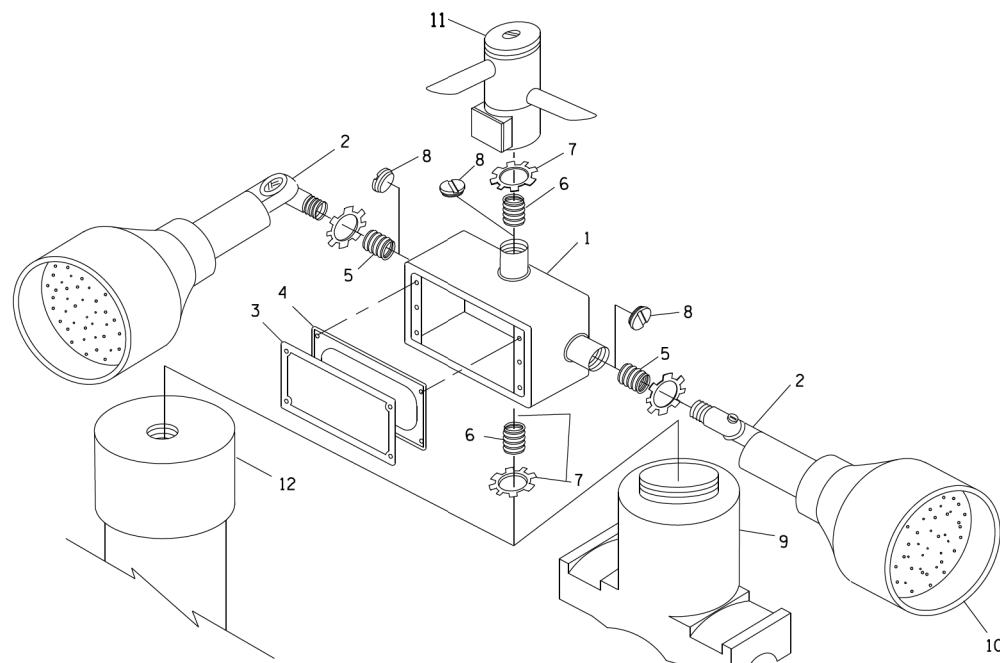
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	81
TS-05		CONTRACT NO. 61K48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 52X(109)				



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.

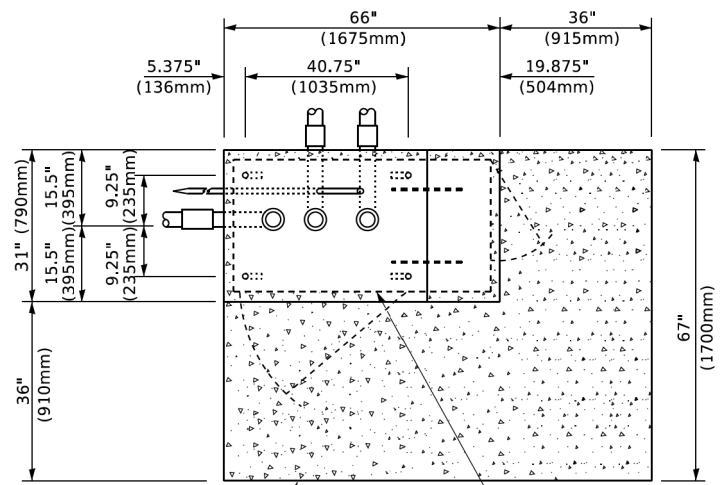
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



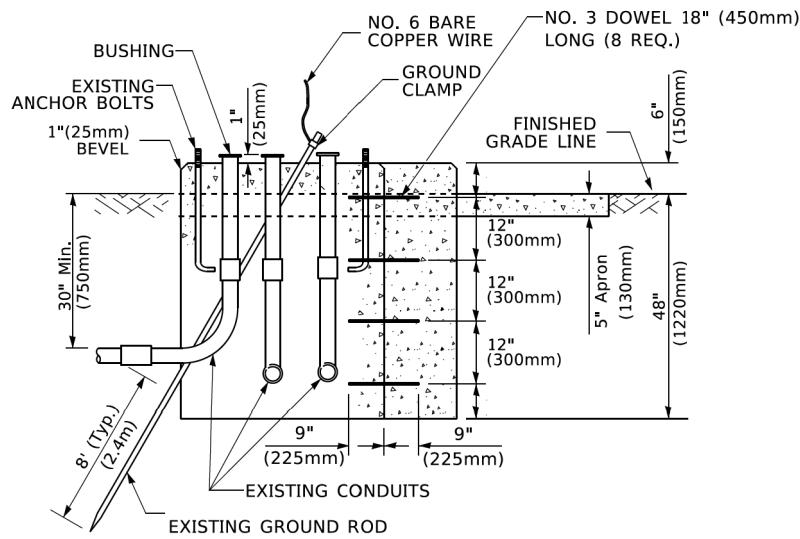
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW (NOT TO SCALE)

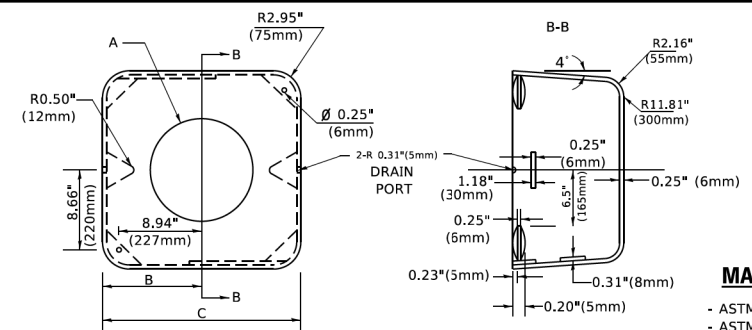


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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.



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

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

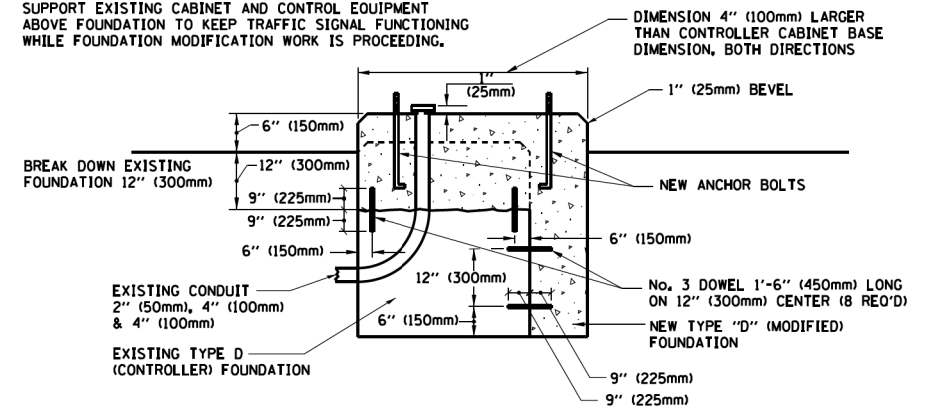
SHROUD

NOTES:

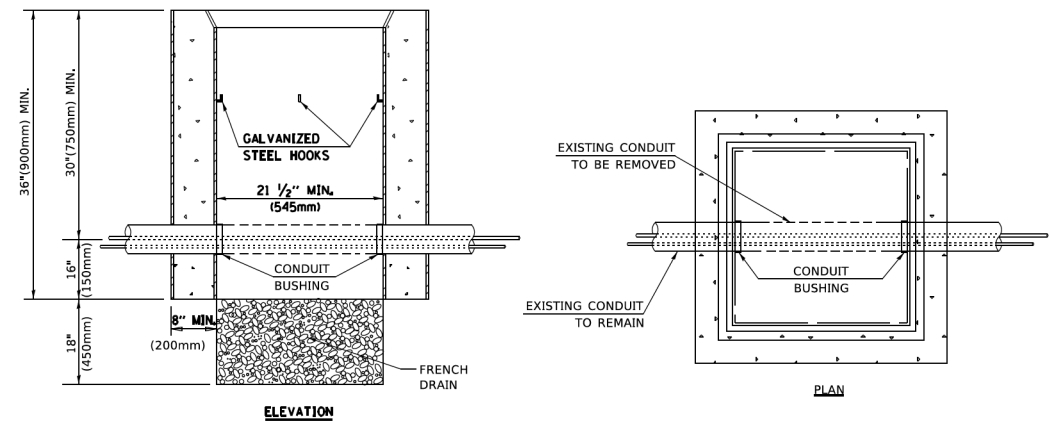
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

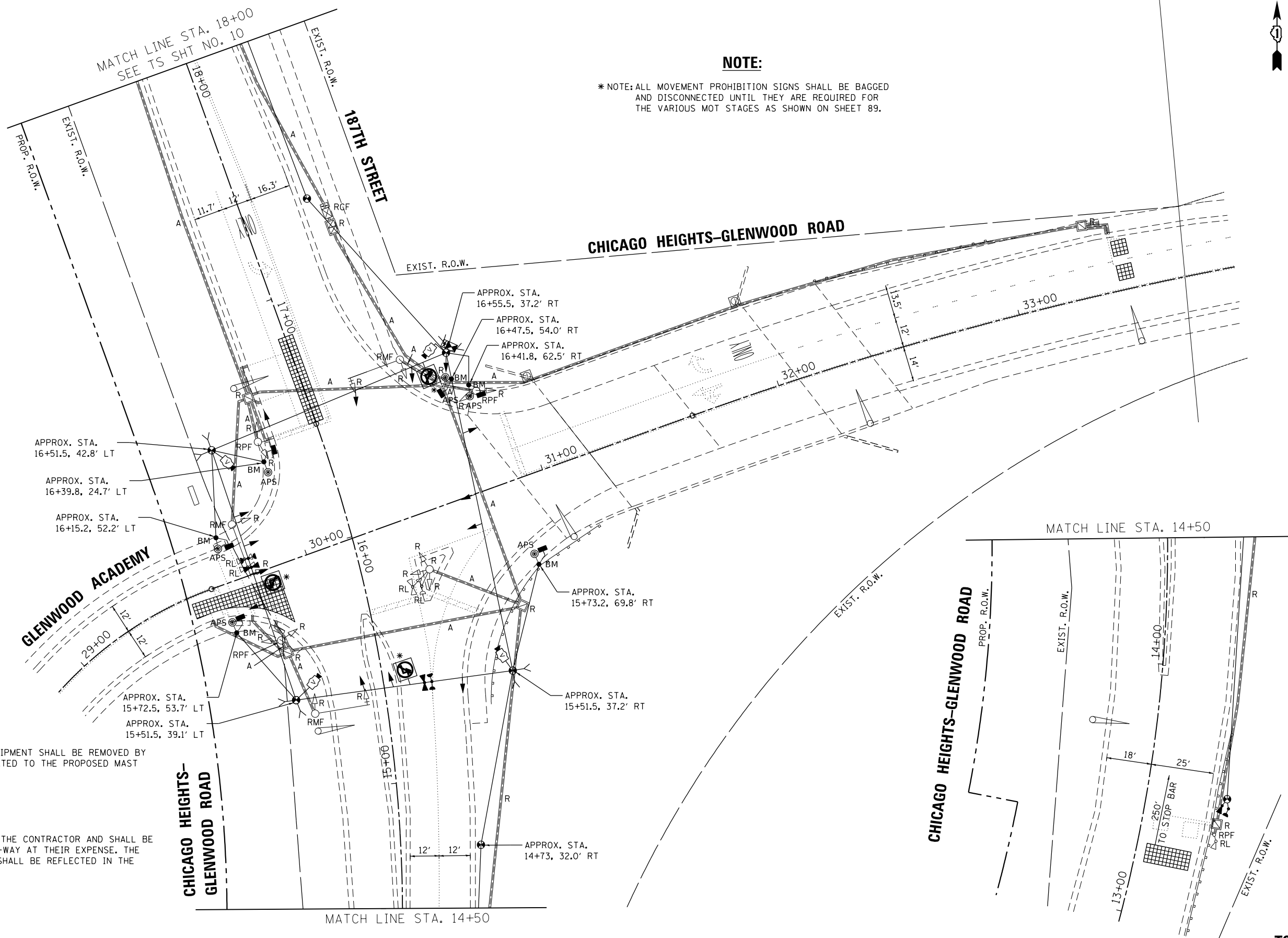
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	84
TS-05		CONTRACT NO. 61K48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 52X(109)				



NOTE:

* NOTE: ALL MOVEMENT PROHIBITION SIGNS SHALL BE BAGGED AND DISCONNECTED UNTIL THEY ARE REQUIRED FOR THE VARIOUS MOT STAGES AS SHOWN ON SHEET 89.



REMOVAL NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

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.

- 5 EACH SIGNAL POST
- 7 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 3 EACH TRAFFIC SIGNAL BACK PLATE
- 3 EACH STEEL MAST ARM AND POLE

TS SHT NO. 9

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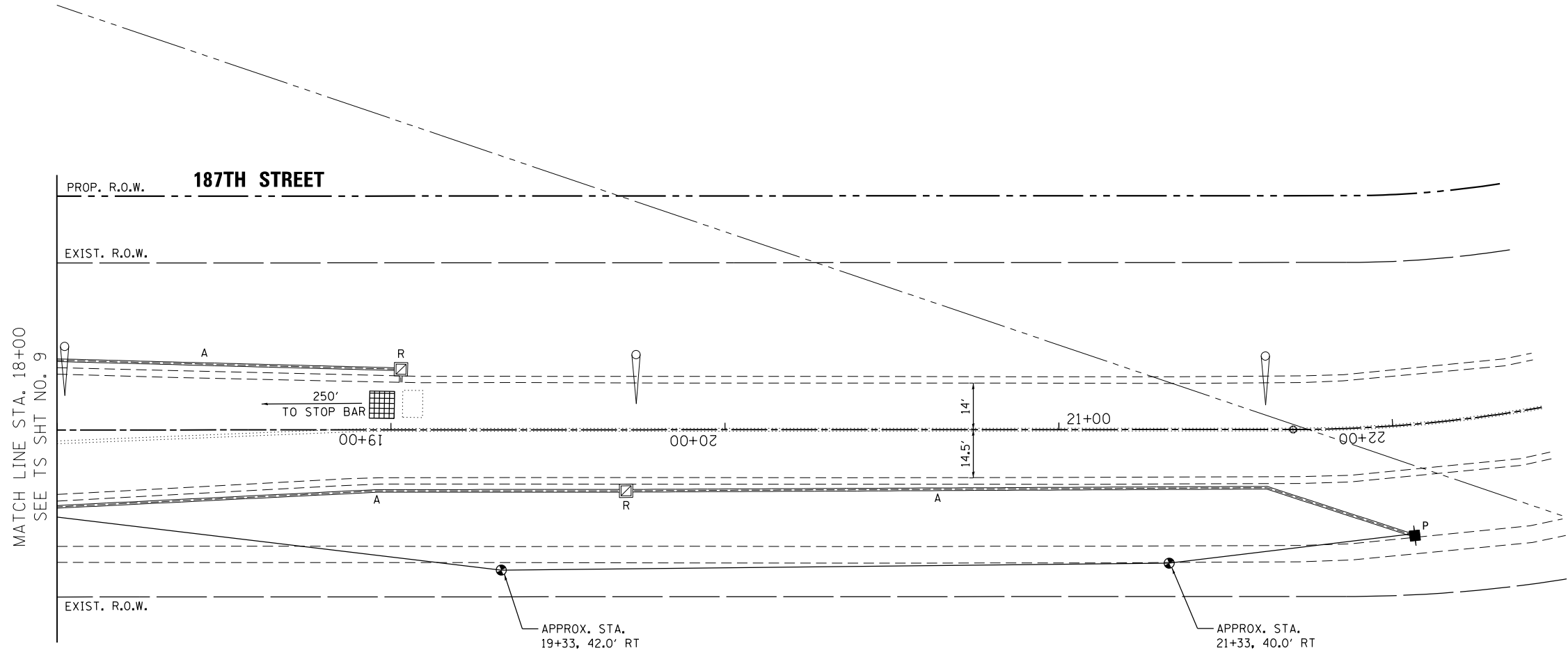
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	87
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

TS 4860



TS SHT NO. 10

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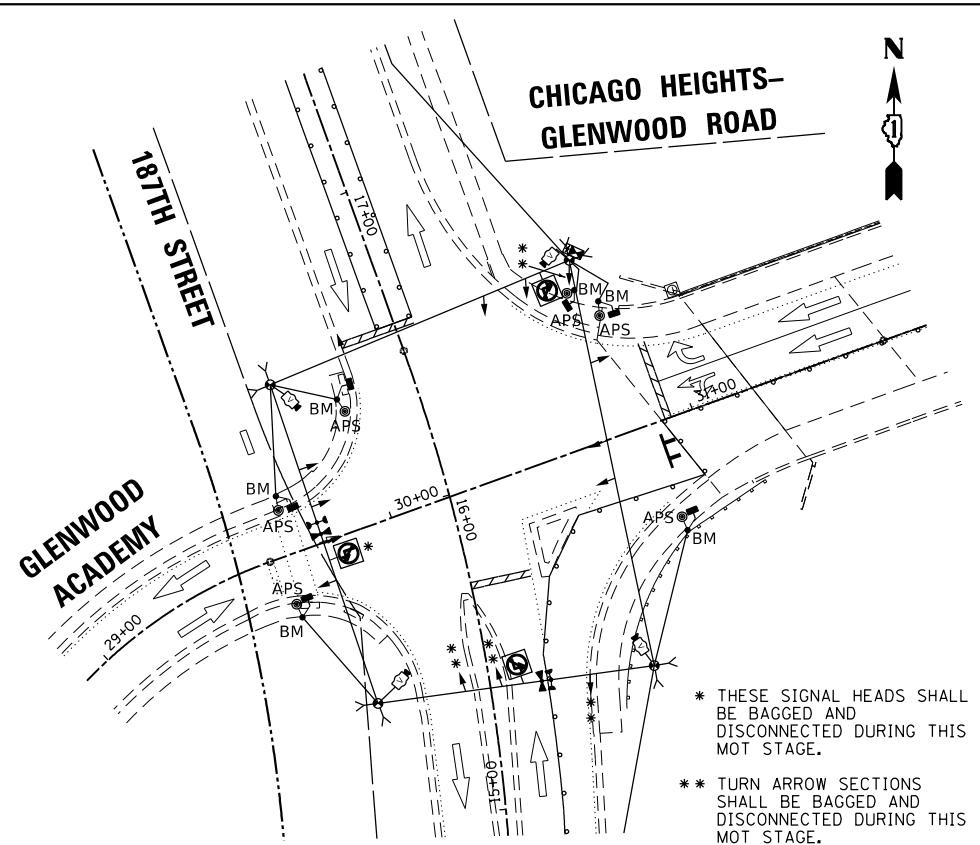
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

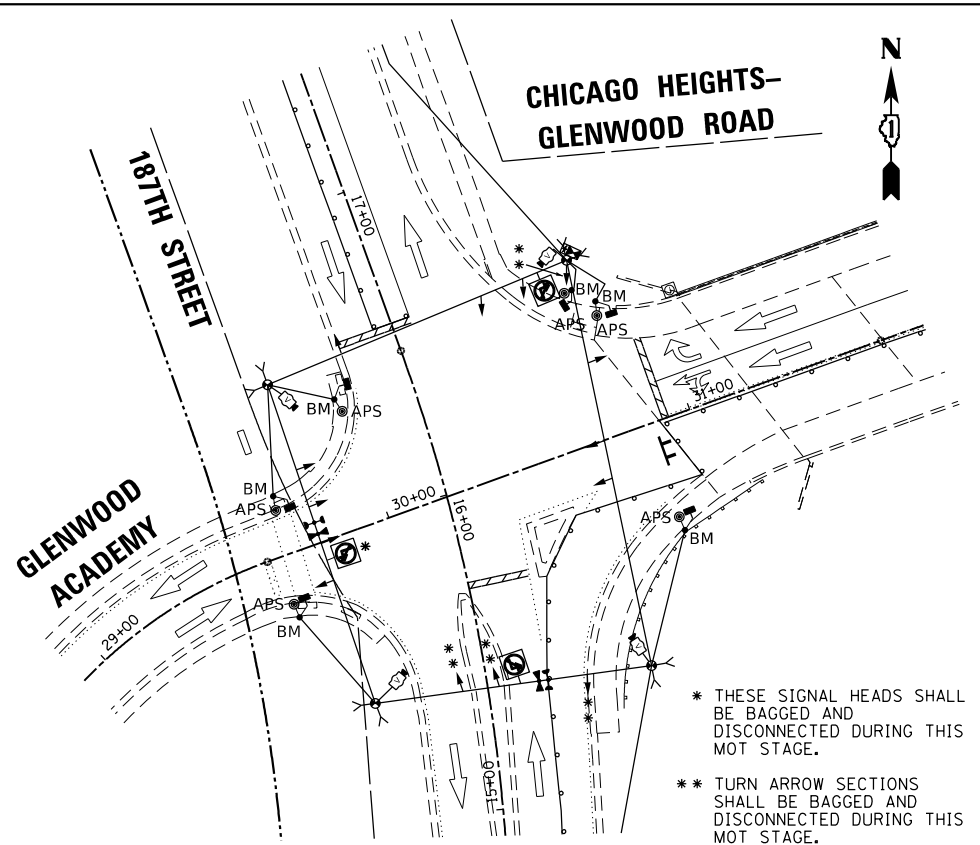
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	88
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

TS 4860



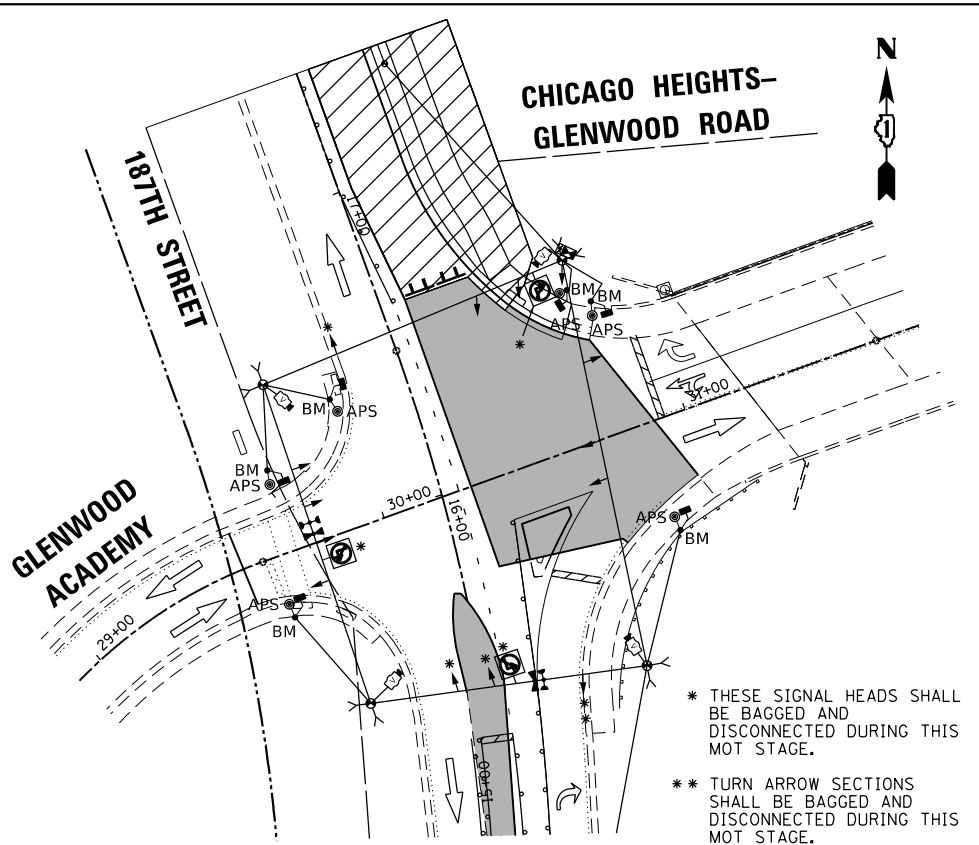
TEMPORARY TRAFFIC SIGNAL STAGE 1

* THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.
 ** TURN ARROW SECTIONS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.



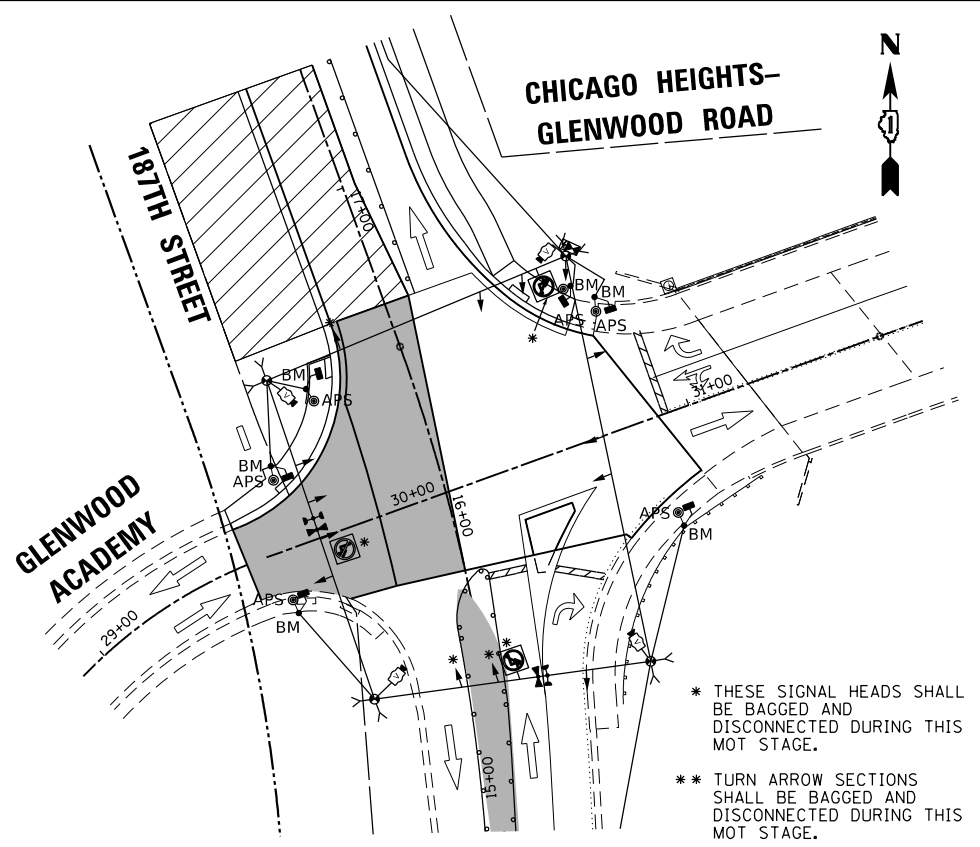
TEMPORARY TRAFFIC SIGNAL STAGE 2

* THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.
 ** TURN ARROW SECTIONS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.



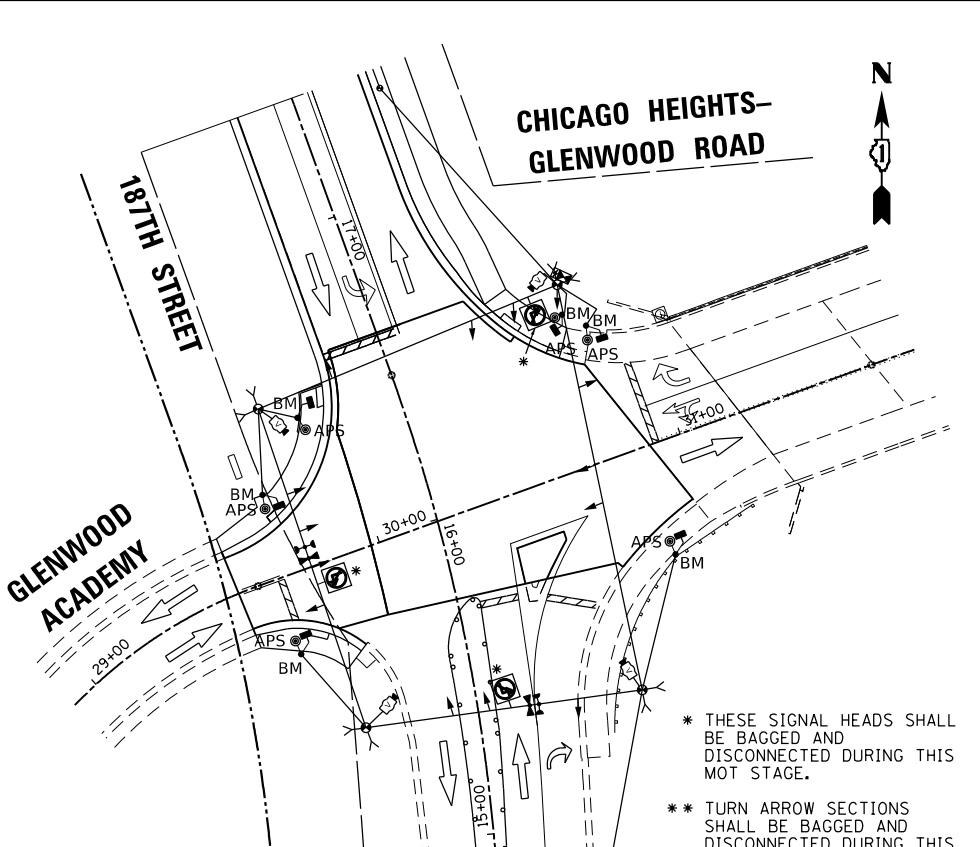
TEMPORARY TRAFFIC SIGNAL STAGE 3

* THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.
 ** TURN ARROW SECTIONS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.



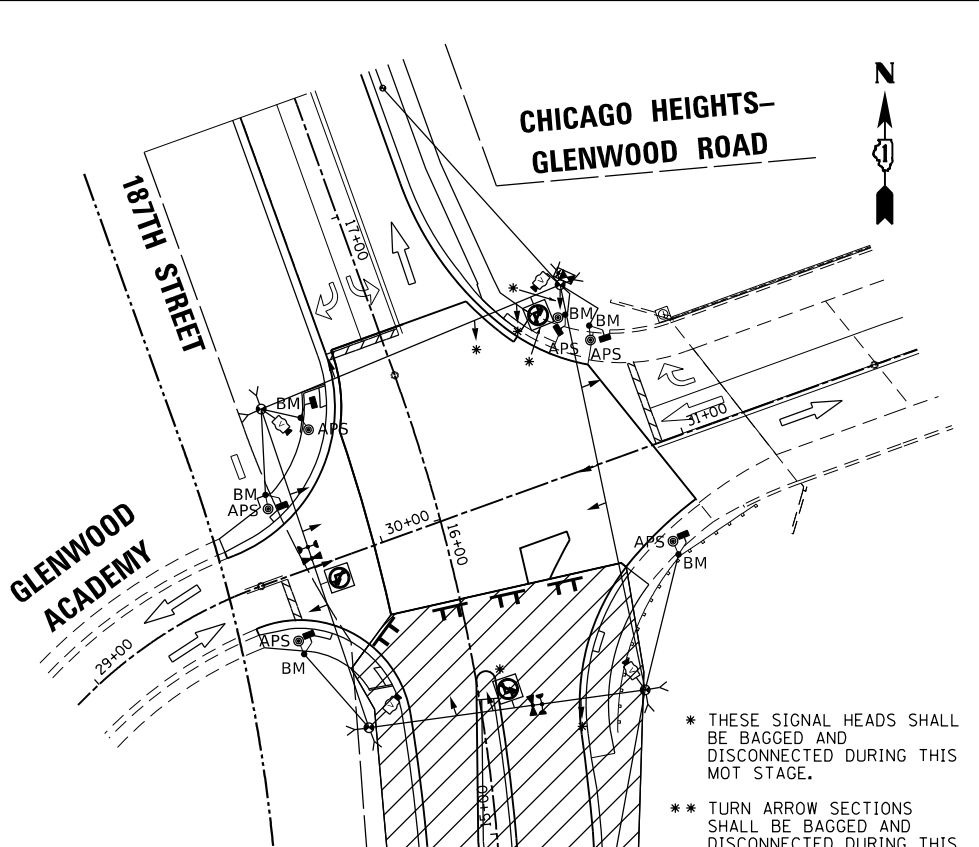
TEMPORARY TRAFFIC SIGNAL STAGE 4

* THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.
 ** TURN ARROW SECTIONS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.



TEMPORARY TRAFFIC SIGNAL STAGE 4B

* THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.
 ** TURN ARROW SECTIONS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.



TEMPORARY TRAFFIC SIGNAL STAGE 5

* THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.
 ** TURN ARROW SECTIONS SHALL BE BAGGED AND DISCONNECTED DURING THIS MOT STAGE.

TS SHT NO. 11

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

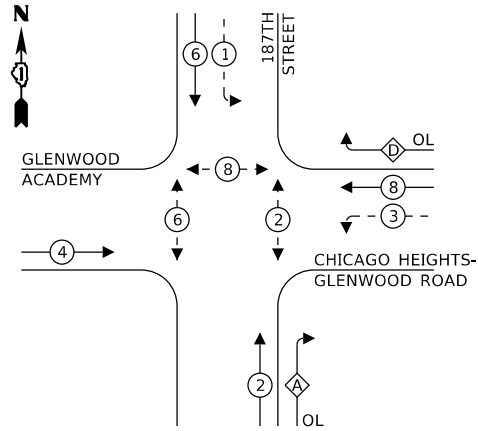
TEMPORARY TRAFFIC SIGNAL PLAN - MOT STAGES
 CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	89
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 52X(109)				

TS 4860

TEMPORARY CONTROLLER SEQUENCE



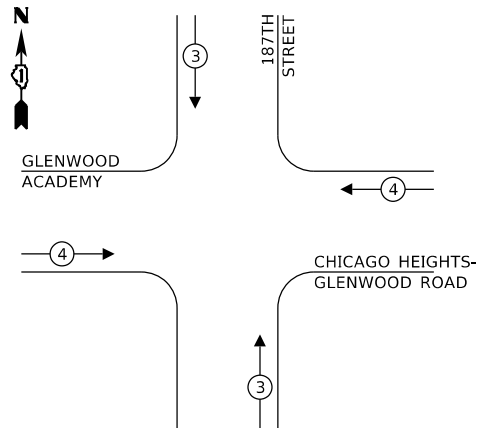
LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←*→ OL OVERLAP

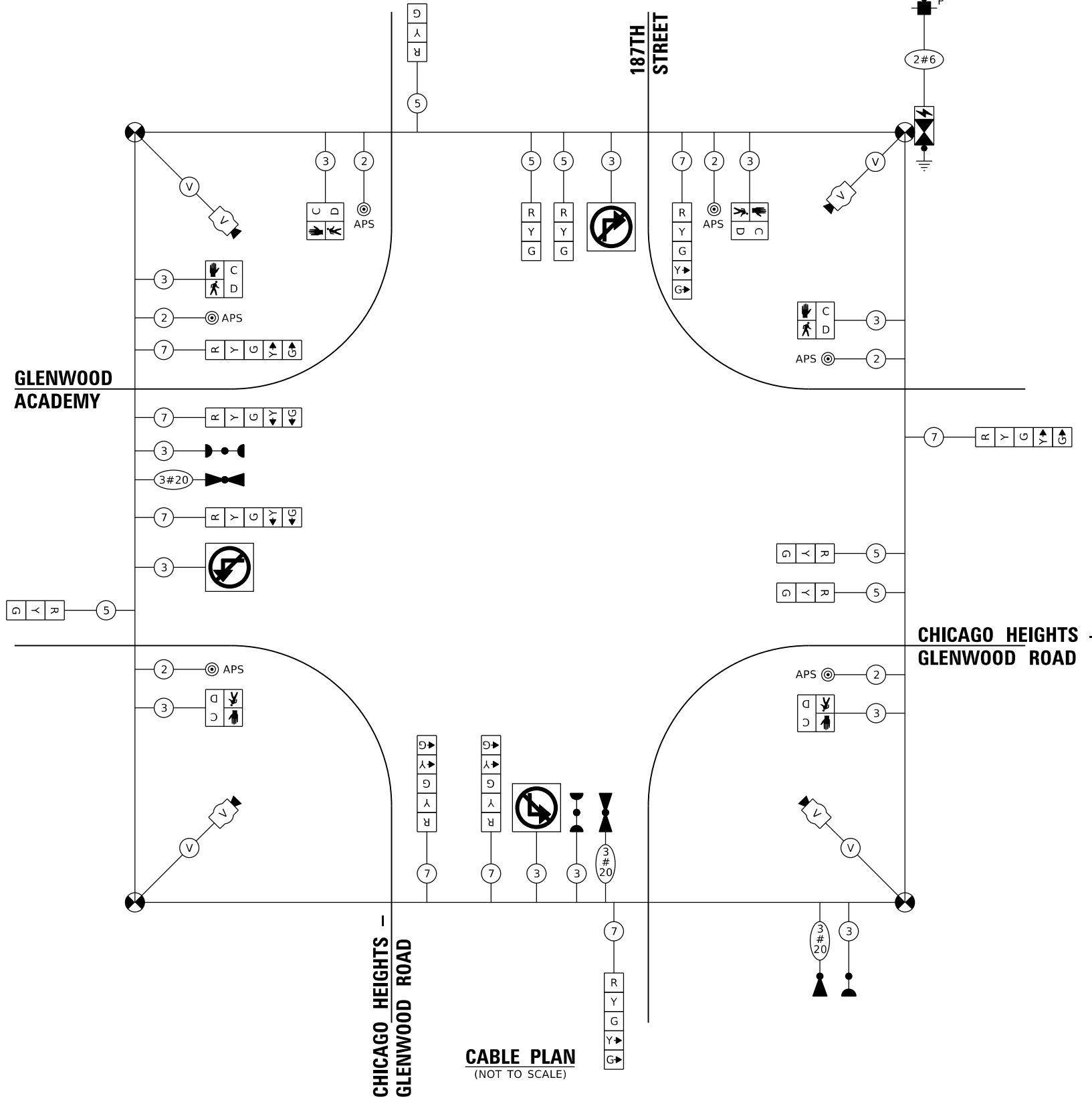
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



GLENWOOD ACADEMY



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
ARROW	16	10	10	16.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	3	20	50	30.0
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				607.6

ENERGY COSTS TO:

VILLAGE OF GLENWOOD
ONE ASSELBORN WAY
GLENWOOD, IL 60425

ENERGY SUPPLY: CONTACT: VALERIE MURPHY
PHONE: (708) 235-2346
COMPANY: COMED
ACCOUNT NUMBER: _____

TS SHT NO. 12

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	DATE - 07/08/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

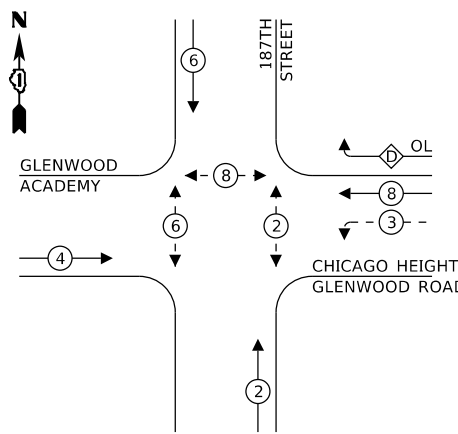
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	90
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

TS 4860

TEMPORARY CONTROLLER SEQUENCE



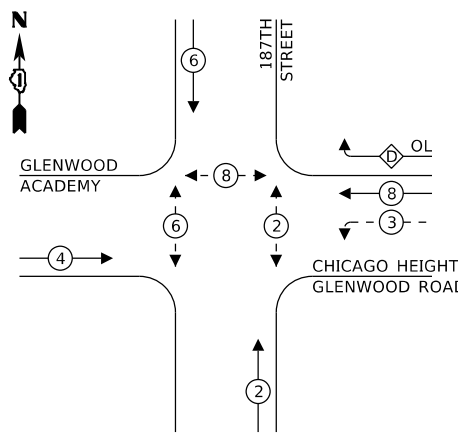
LEGEND:
 ← ⊛ → PROTECTED PHASE
 ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
 ← ⊛ ⊛ → PEDESTRIAN PHASE
 ⊛ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 6

TEMPORARY TRAFFIC SIGNAL STAGE 1

TEMPORARY CONTROLLER SEQUENCE



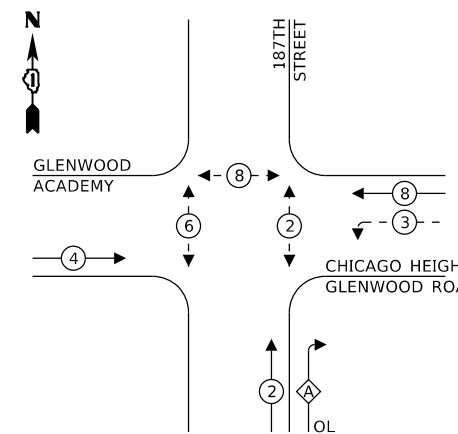
LEGEND:
 ← ⊛ → PROTECTED PHASE
 ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
 ← ⊛ ⊛ → PEDESTRIAN PHASE
 ⊛ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 6

TEMPORARY TRAFFIC SIGNAL STAGE 2

TEMPORARY CONTROLLER SEQUENCE



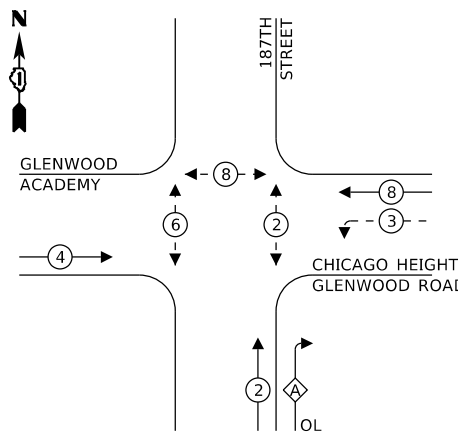
LEGEND:
 ← ⊛ → PROTECTED PHASE
 ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
 ← ⊛ ⊛ → PEDESTRIAN PHASE
 ⊛ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

TEMPORARY TRAFFIC SIGNAL STAGE 3

TEMPORARY CONTROLLER SEQUENCE



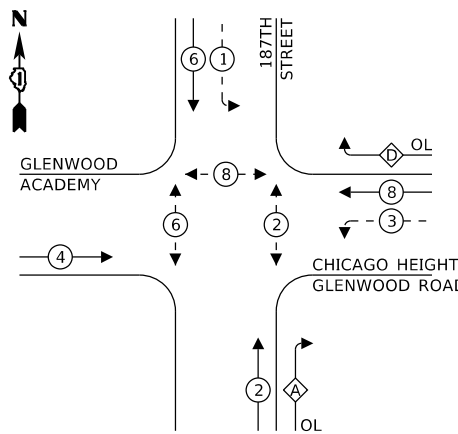
LEGEND:
 ← ⊛ → PROTECTED PHASE
 ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
 ← ⊛ ⊛ → PEDESTRIAN PHASE
 ⊛ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

TEMPORARY TRAFFIC SIGNAL STAGE 4

TEMPORARY CONTROLLER SEQUENCE



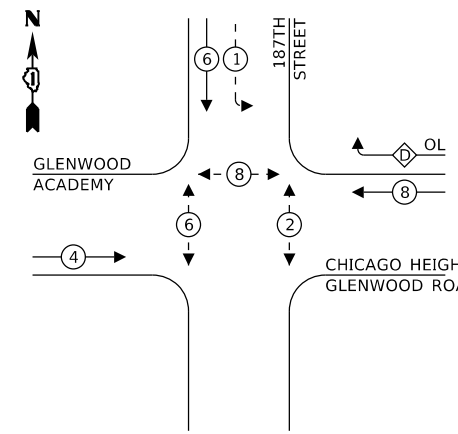
LEGEND:
 ← ⊛ → PROTECTED PHASE
 ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
 ← ⊛ ⊛ → PEDESTRIAN PHASE
 ⊛ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

TEMPORARY TRAFFIC SIGNAL STAGE 4B

TEMPORARY CONTROLLER SEQUENCE



LEGEND:
 ← ⊛ → PROTECTED PHASE
 ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
 ← ⊛ ⊛ → PEDESTRIAN PHASE
 ⊛ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

TEMPORARY TRAFFIC SIGNAL STAGE 5

TS SHT NO. 13

MODEL: D:\460...
 FILE NAME: P:\201111-558_02\Microstation\11-558_02-CBL-01.dgn

USER NAME = kmuhr	DESIGNED - IP	REVISED - IP 6/8/2016
	DRAWN - IP	REVISED - IP 1/15/2020
PLOT SCALE = 1"=60'	CHECKED - LP	REVISED -
PLOT DATE = 7/6/2024	DATE - 07/08/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN – CONTROLLER SEQUENCE
 CHICAGO HEIGHTS–GLENWOOD ROAD AND 187TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

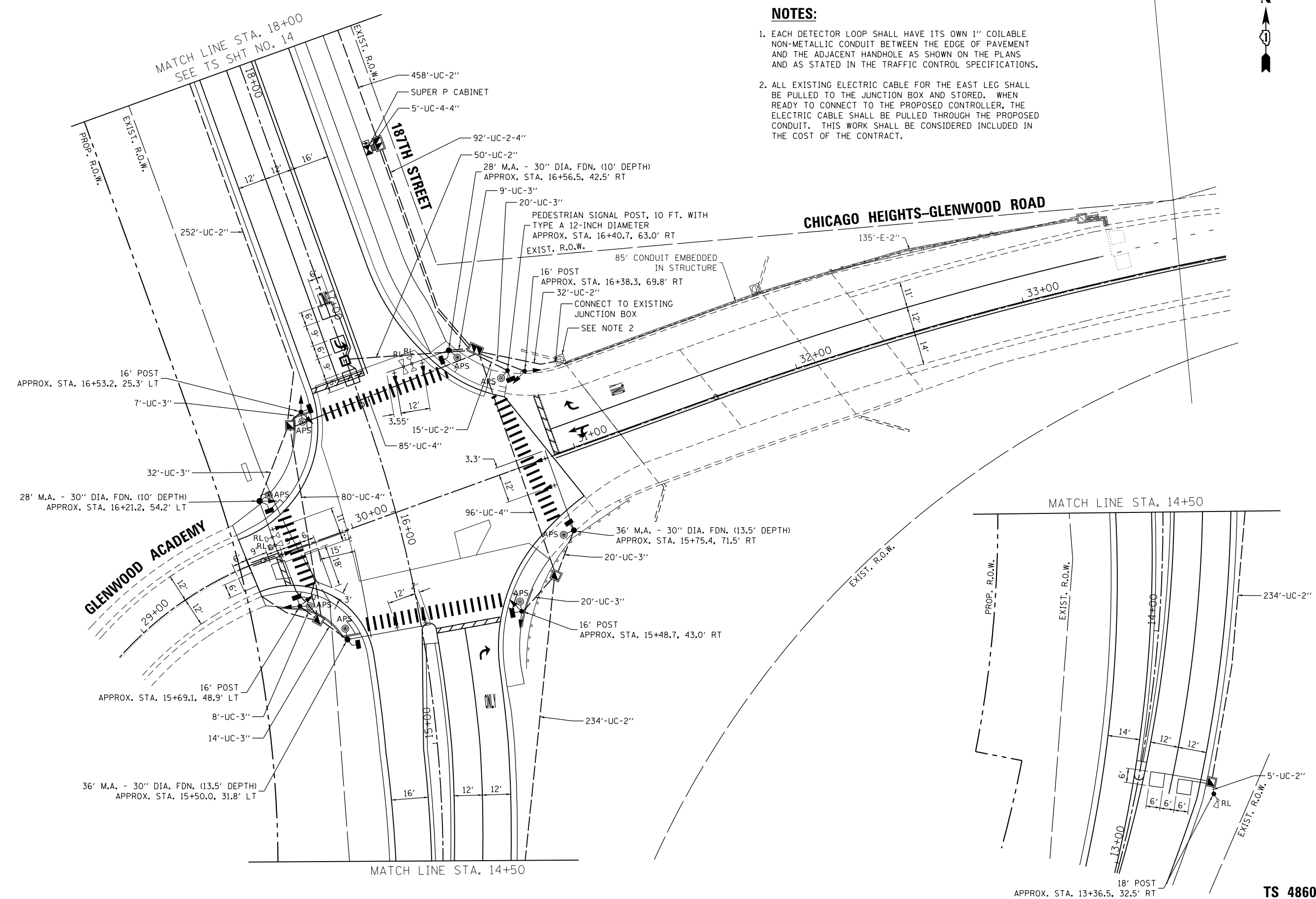
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	91
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

TS 4860



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC CONTROL SPECIFICATIONS.
2. ALL EXISTING ELECTRIC CABLE FOR THE EAST LEG SHALL BE PULLED TO THE JUNCTION BOX AND STORED. WHEN READY TO CONNECT TO THE PROPOSED CONTROLLER, THE ELECTRIC CABLE SHALL BE PULLED THROUGH THE PROPOSED CONDUIT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.



TS SHT NO. 14

MODEL: D:\p111-558-02\microstation11-558-02-SIGCH-02.dgn
FILE NAME: P111111-558-02\microstation11-558-02-SIGCH-02.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -
DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - SK	REVISED -
PLOT DATE = 7/6/2024	DATE - 07/08/2024	REVISED -

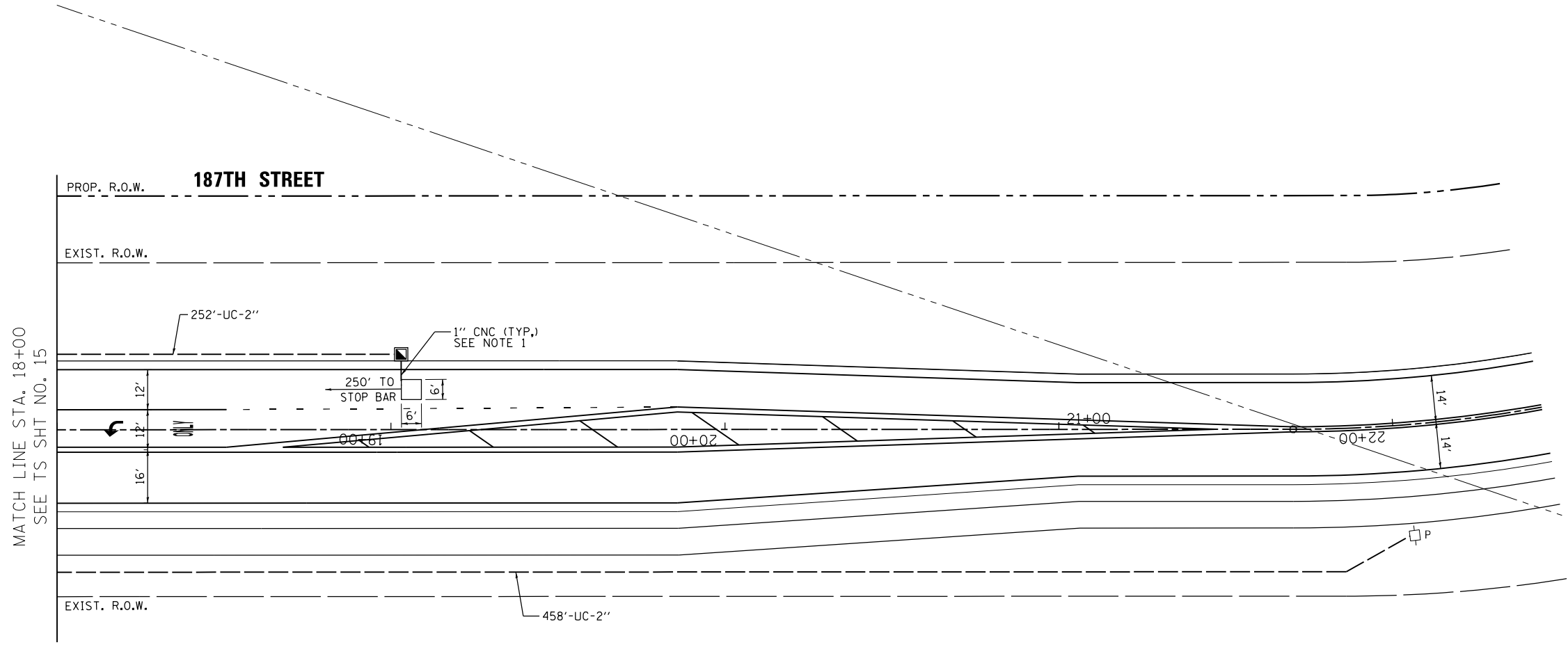
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	92
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

TS 4860



NOTES:

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

TS SHT NO. 15

MODEL: D:\d4\h...
FILE NAME: P:\201111-558-02\microstation\11-558_02-SIGHL-02.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED - _____
	DRAWN - KWM	REVISED - _____
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED - _____
PLOT DATE = 7/6/2024	DATE - 07/08/2024	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

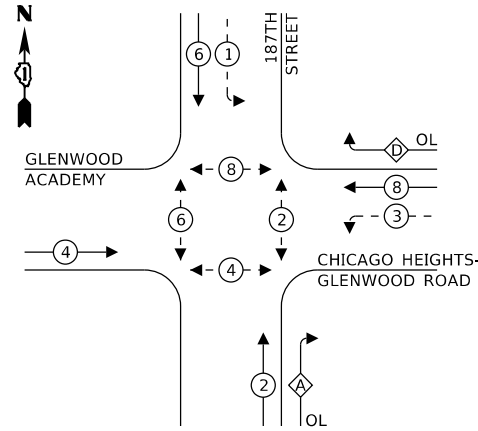
**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	93
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

TS 4860

PROPOSED CONTROLLER SEQUENCE



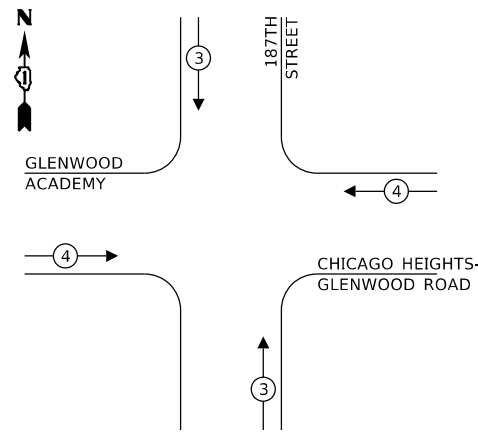
LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ ⊖ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊕ → PEDESTRIAN PHASE
- ← ⊙ ⊕ → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



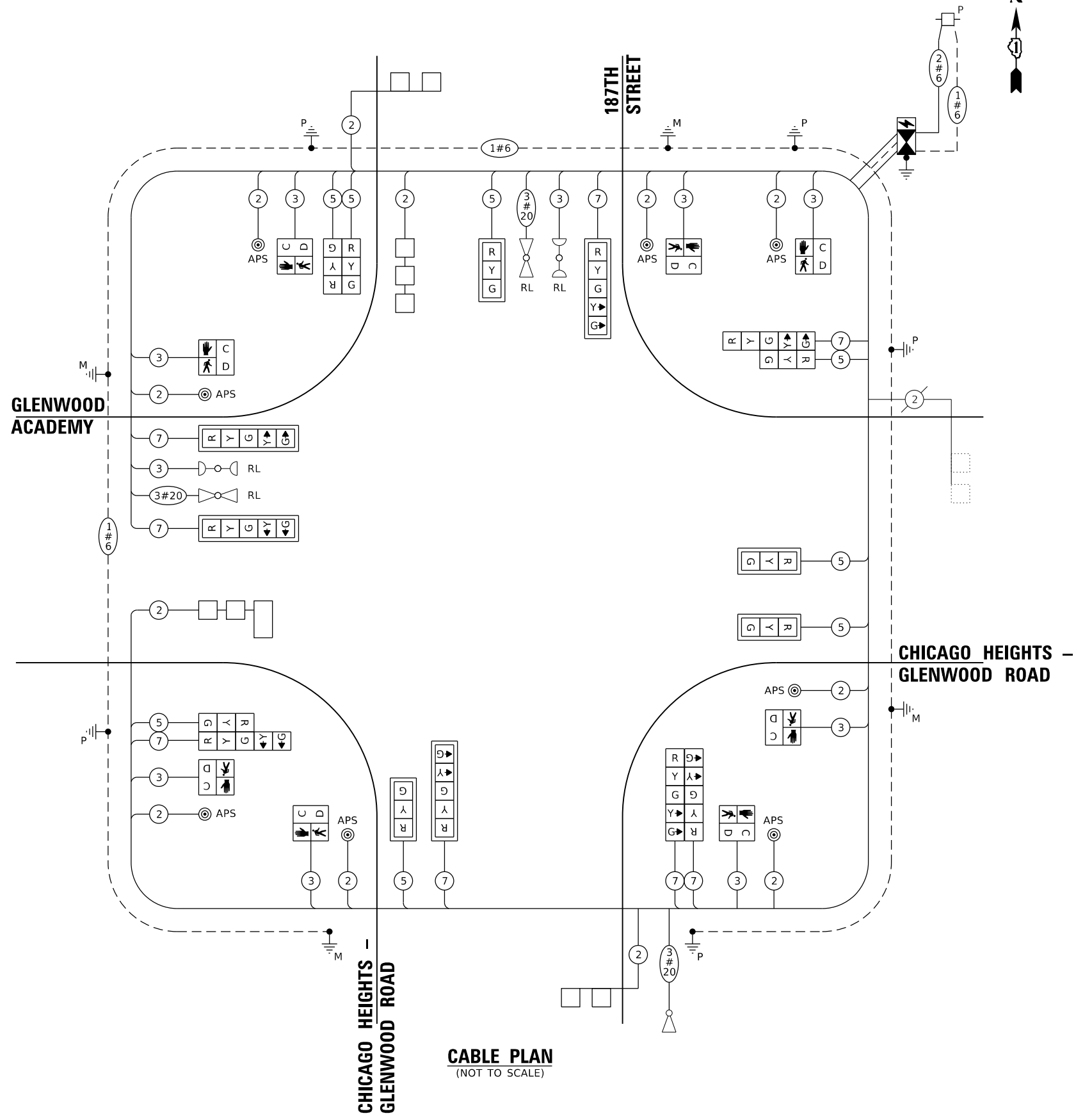
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				491.4

ENERGY COSTS TO:

VILLAGE OF GLENWOOD
ONE ASSELBORN WAY
GLENWOOD, IL 60425

ENERGY SUPPLY: CONTACT: VALERIE MURPHY
PHONE: (708) 235-2346
COMPANY: COMED
ACCOUNT NUMBER: _____



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 16

MODEL: D:\64\11-25-2024\11-25-2024\11-25-2024.dgn
FILE NAME: P:\2024\11-25-2024\11-25-2024.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -
DRAWN - KWM	REVISIONS -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -
PLOT DATE = 7/6/2024	DATE - 07/08/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET**

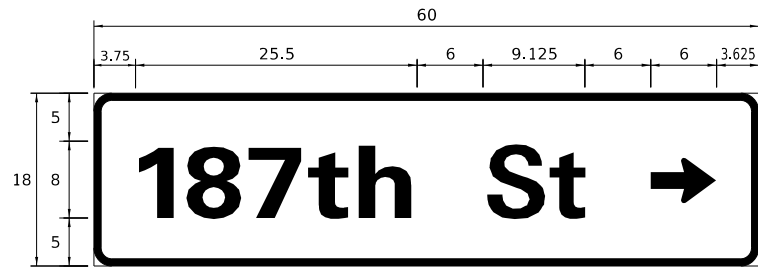
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	94
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X(109)				

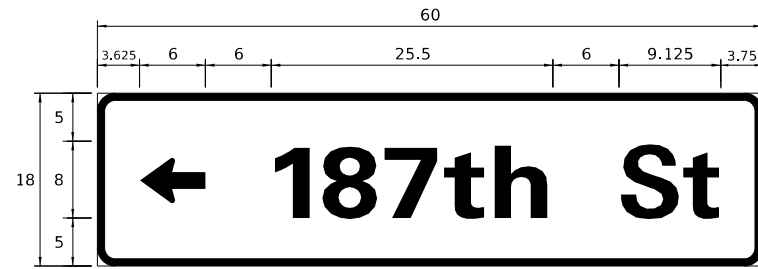
TS 4860

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



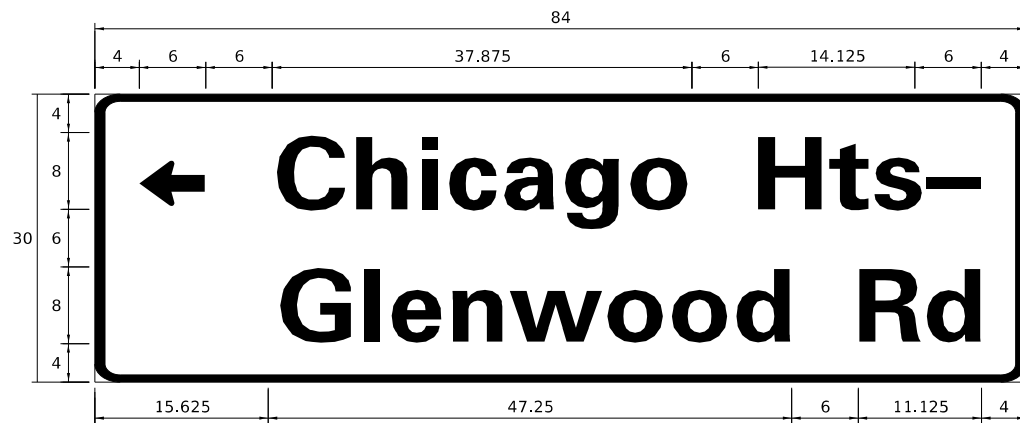
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	17.5	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	17.5	2	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	35
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1046
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	130
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	465
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1977
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3003
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1944
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2375
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1438
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	503
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1016
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	287
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	970
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	8

TS SHT NO. 17

MODEL: D:\sht\... FILE NAME: P:\201111-558-02\microstation\11-558-02-DTL5-02.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - KWM	REVISED -
PLOT DATE = 7/6/2024	CHECKED - SK	REVISED -
	DATE - 07/08/2024	REVISED -

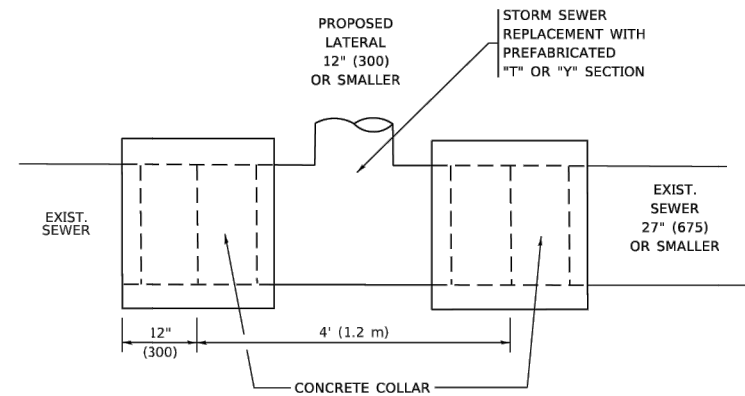
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
CHICAGO HEIGHTS-GLENWOOD ROAD AND 187TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

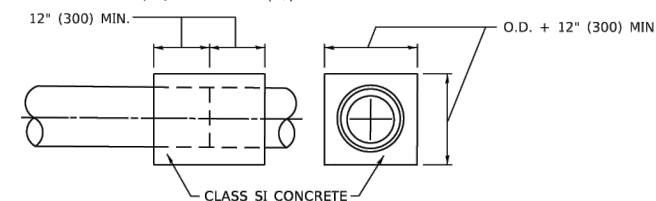
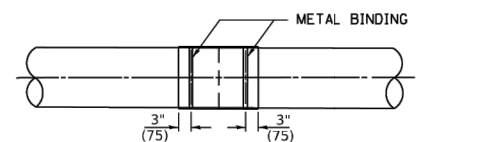
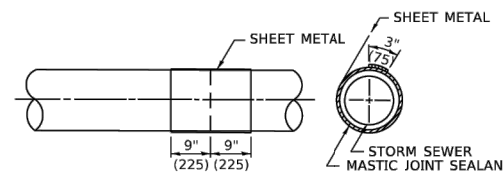
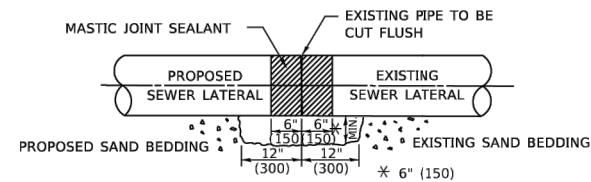
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	95
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2X1(109)				

TS 4860



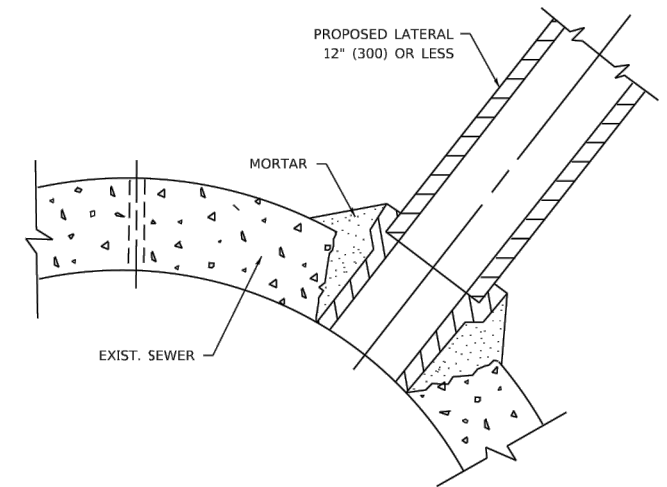
DETAIL "A"

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

CONSTRUCTION SEQUENCE

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

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

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

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

GENERAL

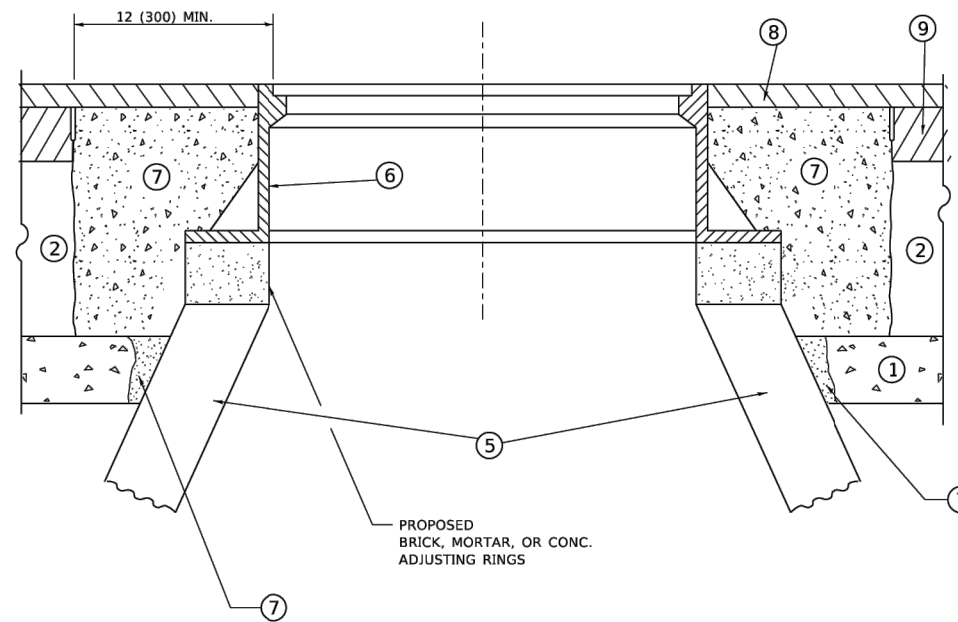
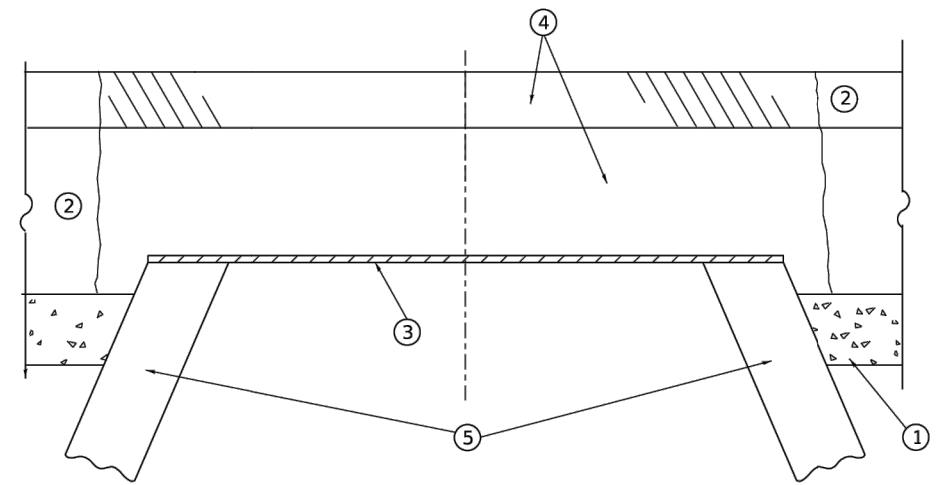
1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

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

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

FILE NAME = 11588_02-DTLS-01 - BD-07	USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION IDOT DISTRICT 1 STANDARDS - BD-07	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. SHAH 10-25-94			1624	11-00052-00-CH	COOK	125	96	
		PLOT SCALE = 100.0000' / in.	REVISOR - R. SHAH 06-12-96			CONTRACT NO. 61K48					
		PLOT DATE = 11/18/2022	DATE - 07-25-90			REVISED - K. SMITH 11-18-22	SCALE: NONE	SHEET NO. 96 OF 125 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)	



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

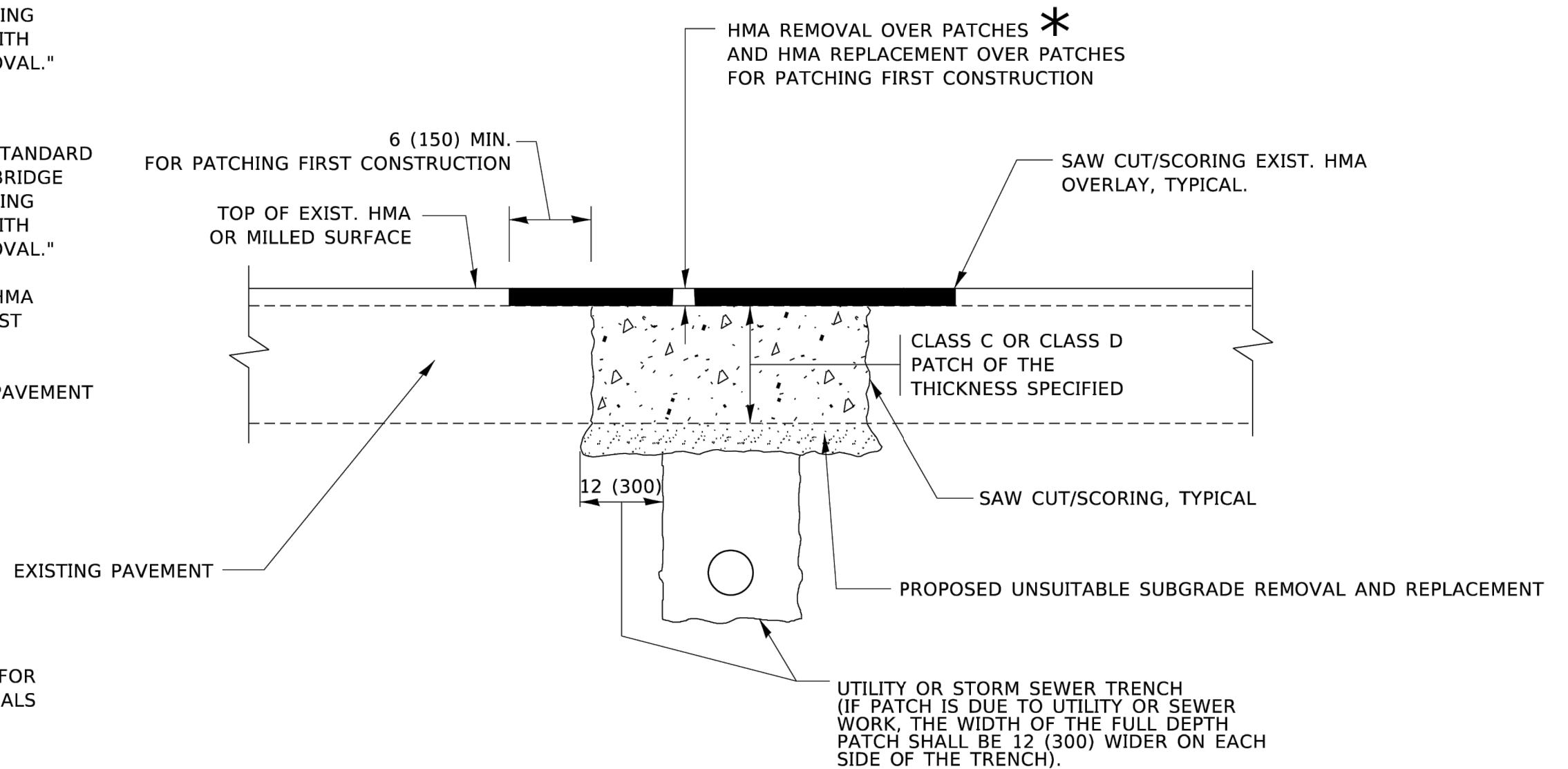
FILE NAME = 11588_02-DTLS-01 - BD-08	USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION IDOT DISTRICT 1 STANDARDS - BD-08			F.A.U. RTE. 1624	SECTION 11-00052-00-CH	COUNTY COOK	TOTAL SHEETS 125	SHEET NO. 97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11		SCALE: NONE	SHEET NO. 97 OF 125 SHEETS	STA. TO STA.	CONTRACT NO. 61K48				
	PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT S2XJ(109)							
			REVISED - K. SMITH 09-15-23									

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

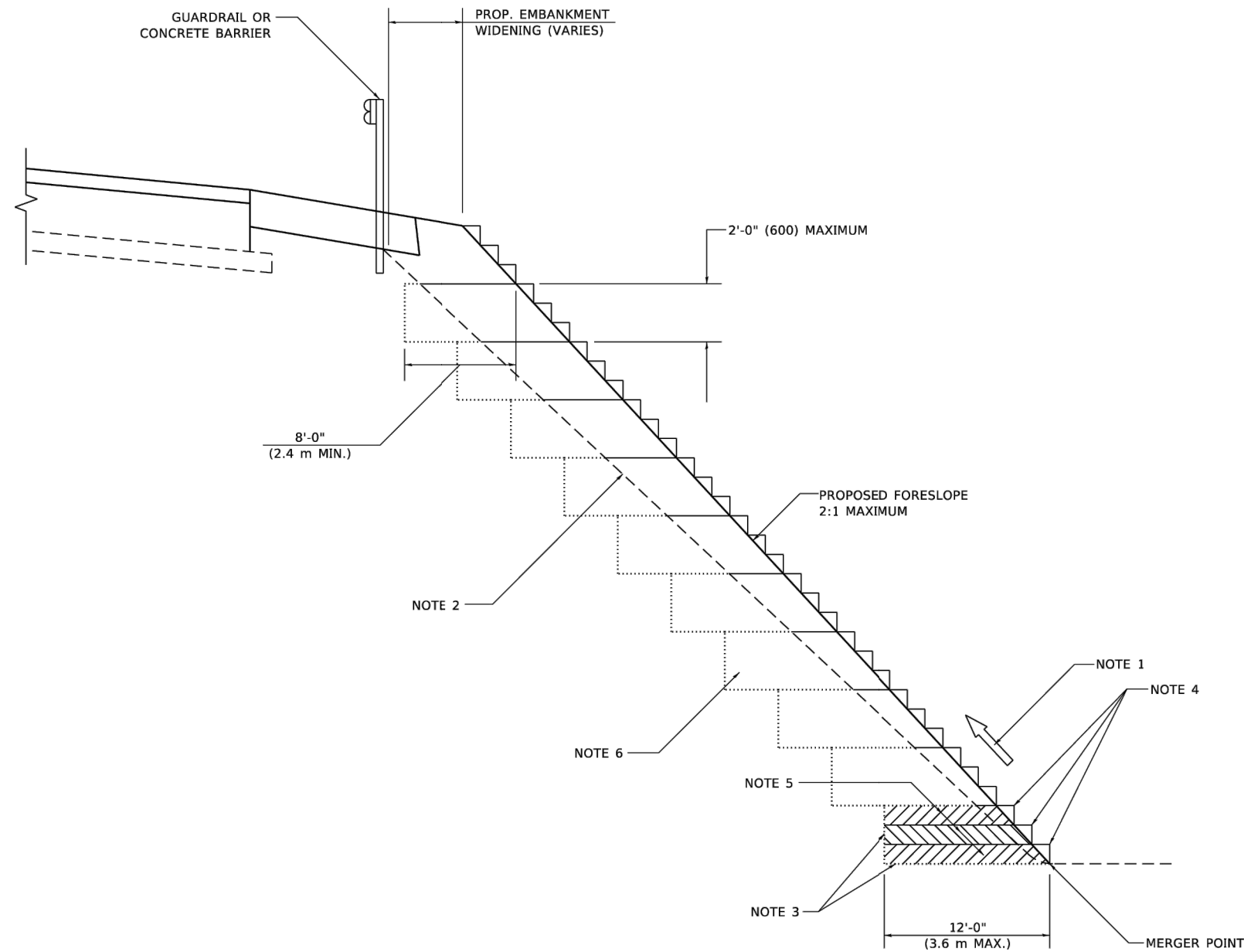
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = 11558_02-DTLS-01 - BD-22	USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	187TH STREET ROAD RECONSTRUCTION IDOT DISTRICT 1 STANDARDS - BD-22	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. BORO 09-04-07			1624	11-00052-00-CH	COOK	125	98	
		PLOT SCALE = 100.0000' / in.	REVISOR - K. ENG 10-27-08			CONTRACT NO. 61K48					
		PLOT DATE = 11/18/2022	REVISOR - K. SMITH 11-18-22			SCALE: NONE	SHEET NO. 98 OF 125 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

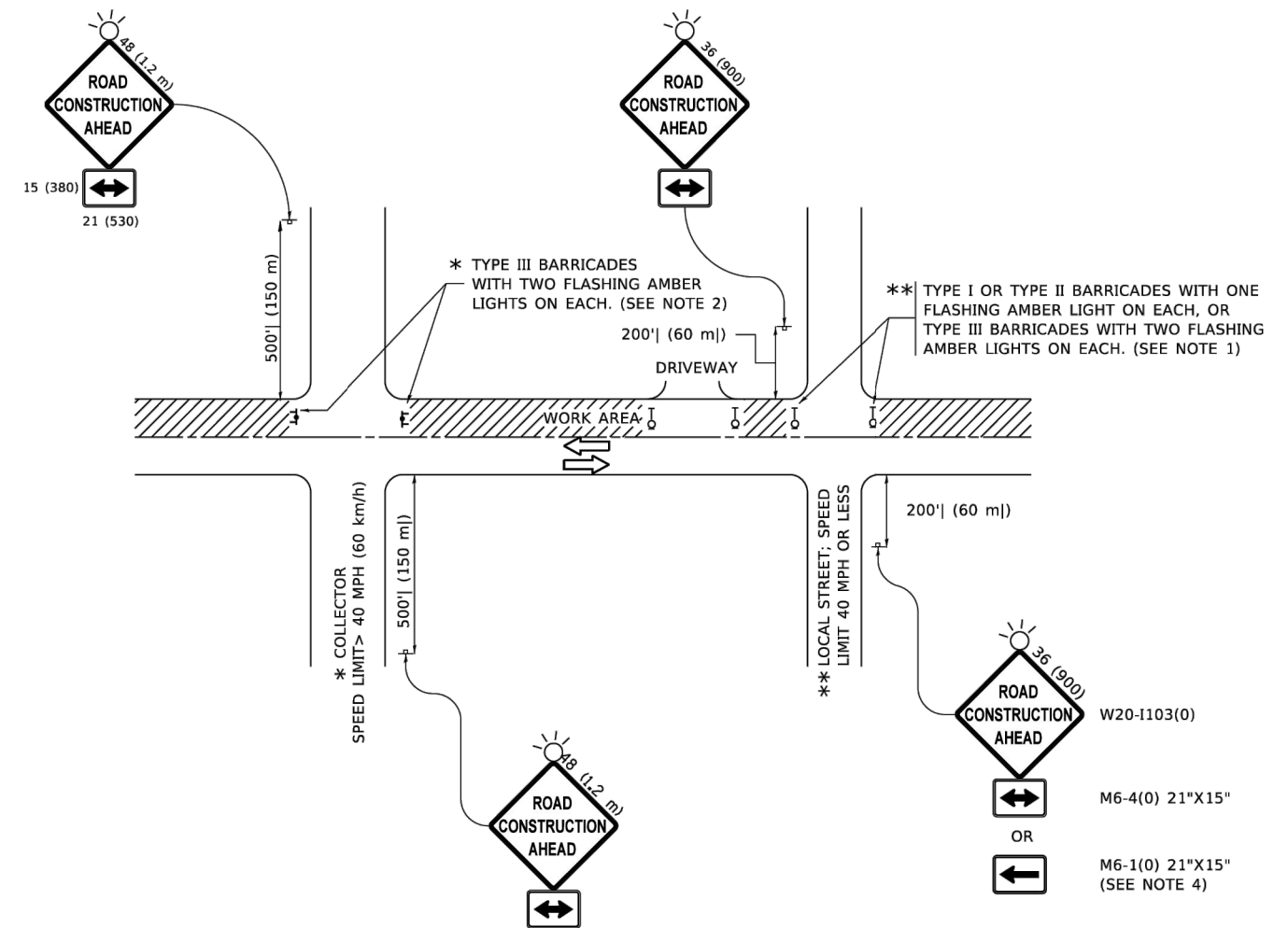
FILE NAME = 11558_02-DTLS-01 - BD-51	USER NAME = Lawrence.DeManche	DESIGNED -	REVISED - K. SMITH 11-18-22
		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

187TH STREET
ROAD RECONSTRUCTION
IDOT DISTRICT 1 STANDARDS - BD-51

SCALE: NONE SHEET NO. 99 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	99
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	



NOTES:

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

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

FILE NAME = 11558_02-DTLS-01 - TC-10	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

187TH STREET
ROAD RECONSTRUCTION
IDOT DISTRICT 1 STANDARDS - TC-10

SCALE: NONE SHEET NO. 100 OF 125 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1624	11-00052-00-CH	COOK	125	100
CONTRACT NO. 61K48				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	S2XJ(109)	