

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

02-27-2026 LETTING ITEM 068

FOR INDEX OF SHEETS
SEE SHEET NO. 02

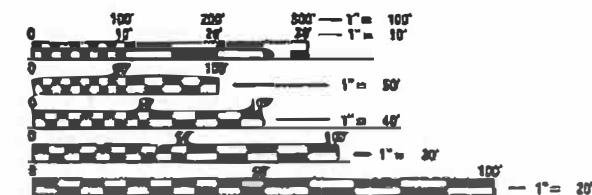
FUNCTIONAL CLASSIFICATION
ORCHARD GATEWAY BOULEVARD-
MAJOR COLLECTOR
HANSEN BOULEVARD-
LOCAL ROAD

TRAFFIC DATA
ORCHARD GATEWAY BOULEVARD
WEST OF HANSEN BOULEVARD:
ADT: 11,800 (2020) 15,100 (2050)
EAST OF HANSEN BOULEVARD:
ADT: 7,335 (2020) 9,400 (2050)

HANSEN BOULEVARD
NORTH OF ORCHARD GATEWAY BOULEVARD:
ADT: 9,700 (2020) 11,600 (2050)
SOUTH OF ORCHARD GATEWAY BOULEVARD:
ADT: 2,260 (2020) 2,900 (2050)

POSTED SPEED LIMIT
ORCHARD GATEWAY BOULEVARD: 35 MPH
HANSEN BOULEVARD: 25 MPH

DESIGN SPEED LIMIT
ORCHARD GATEWAY BOULEVARD: 40 MPH
HANSEN BOULEVARD: 25 MPH

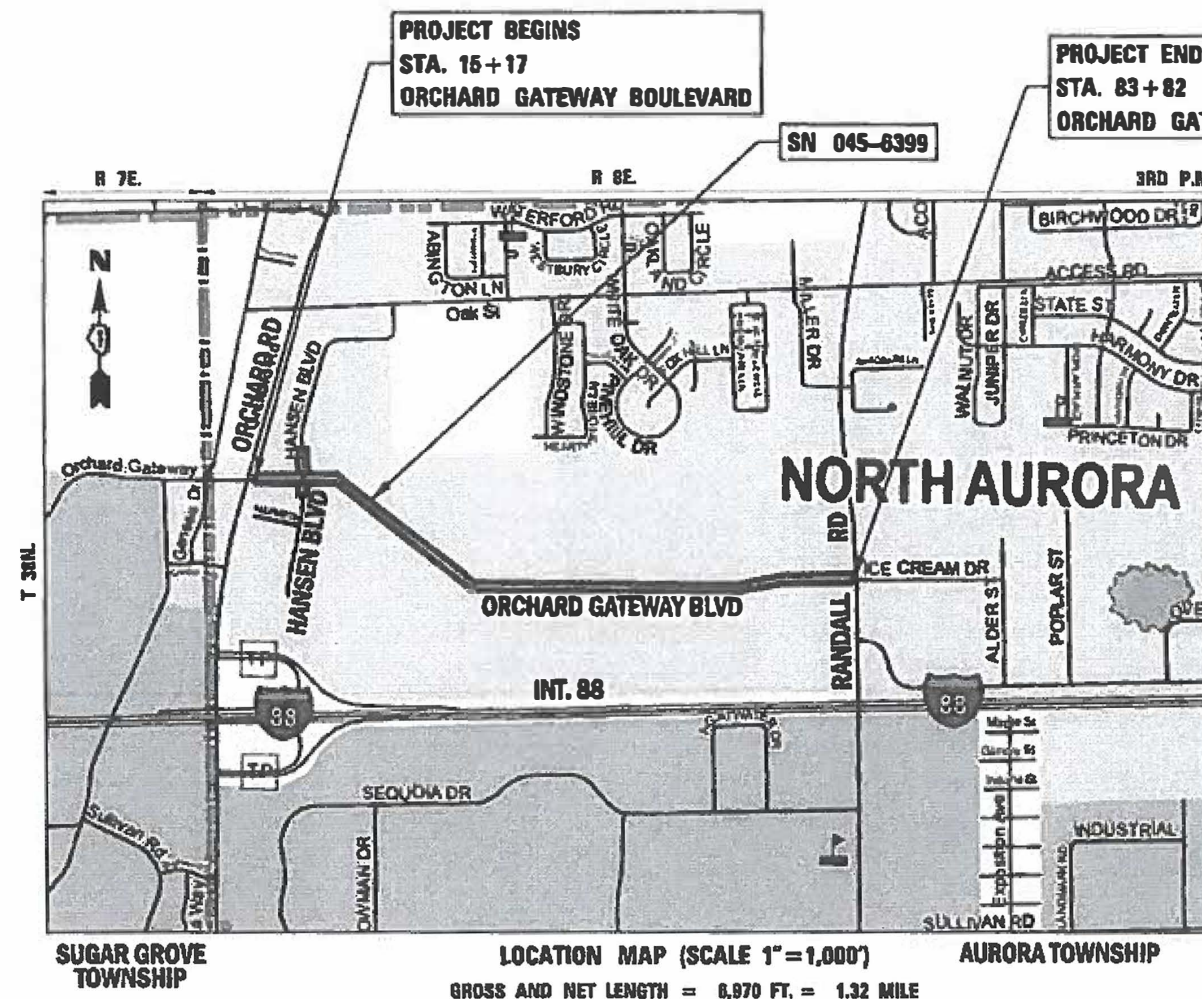


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



CONTRACT NO. 61L39

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
ORCHARD GATEWAY BOULEVARD
INTERSECTION IMPROVEMENTS AND RESURFACING
SECTION 21-00057-00-CH
PROJECT NO. Z1JM(510)
VILLAGE OF NORTH AURORA
KANE COUNTY
C-91-111-21



FAU
RTE. 21-00057-00-CH
SECTION 0054
COUNTY KANE
SHEETS: NO. 118
TOTAL SHEET NO. 1
CONTRACT NO. 61L39



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *January 15* 2025
VILLAGE OF NORTH AURORA, PUBLIC WORKS DIRECTOR

PASSED *FEB 20* 2025
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW *Feb 20th* 2025
PERSONAL ENGINEER

DATE: *1-15-25*

Joseph W. Cwynar
JOSEPH W. Cwynar

LICENSE
EXPIRES: *NOVEMBER 20, 2025*

SEAL
JOSEPH W. Cwynar
082-054899
LICENSED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

50 YEARS *1921*

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eetweb.com

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	Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -			0054	21-00057-00-CH	KANE	118	2
			CHECKED -	REVISED -			CONTRACT NO. 61L39				
			DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

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IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALK
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-04	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602301-04	INLET - TYPE A
604016-04	FRAME AND GRATE TYPE 4
604041-03	FRAME AND GRATE TYPE 9
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606306-04	CORRUGATED PC CONCRETE MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMBO MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMBO MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

IDOT DISTRICT ONE STANDARD DETAILS

STANDARD NO.	DESCRIPTION
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-32	BUTT JOINT AND HMA TAPER DETAILS
BE-300	LIGHTPOLE FOUNDATION 30' TO 35' M.H. 11 1/2" BOLT CIRCLE
BE-702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
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 MARKINGS LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)
TS-08	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION - MAIN STREET AND CROSS STREET

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2026; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (ILMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" SEVENTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL EXAMINE THE PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF/HERSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL OTHER PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A BID.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- PRIOR TO SUBMITTING HIS/HER BID, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE/SHE DEEMS INADEQUATE AND TO ANY ITEM OF WORK OMITTED.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO ENSURE THAT THERE WILL BE NO DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE ENGINEER AND ALL UTILITY COMPANIES, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- ALL LOT IRONS DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, THE OWNER'S AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- NO SUBSTITUTIONS OR VARIANCES WILL BE PERMITTED TO ANY STANDARD NOTES OR ORDINANCES UNLESS APPROVED OTHERWISE IN WRITING PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR WILL HAVE IN HIS/HER POSSESSION ON THE JOB SITE A COPY OF THE PLANS AND SPECIFICATIONS DURING CONSTRUCTION

PAVING, SHOULDERS, CURB & GUTTER AND SIDEWALK

- PATCHING, SIDEWALK REMOVAL AND REPLACEMENT, AND COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS SHALL BE VERIFIED BY THE ENGINEER AND MARKED OUT BY THE ENGINEER IN THE FIELD.
- HOT-MIX ASPHALT BINDER SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION AND TOPSOIL PLACEMENT HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER, AND THE HOT-MIX ASPHALT BINDER COURSE HAS BEEN COMPLETED PER SPECIFICATION.
- THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- ALL SIDEWALK CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH THREE #4 REBARS WHICH EXTEND 5 FEET BEYOND THE TRENCH WALLS. AT LOCATIONS WHERE THE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 1/2" PREFORMED EXPANSION JOINT FILLER SHALL BE INSTALLED BETWEEN THE CURB AND SIDEWALK.
- THE MAXIMUM CROSS SLOPE AT ANY POINT IN THE TRAVERSABLE AREA OF THE SIDEWALK, INCLUDING THE AREAS THROUGH DRIVEWAYS, SHALL BE 2.00%. ALL AREAS OF NEW SIDEWALK THAT EXCEED THIS MAXIMUM SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER AND/OR THE NCCSWCD.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS.
- WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN SEVEN (7) DAYS OF COMPLETION. WHERE WORK HAS TEMPORARILY CEASED FOR FOURTEEN (14) DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE SEVENTH DAY AFTER WORK HAS CEASED.
- ALL ADJACENT STREETS AND PARKING LOTS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL GENERAL AND SPECIAL REQUIREMENTS, CONDITIONS AND PROVISIONS FOR ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS ISSUED FOR THIS PROJECT.
- ALL SOIL EXCAVATED FROM EXISTING OR FORMER COMED RIGHT-OF-WAY SHALL BE DISPOSED OF BY A COMED ENVIRONMENTAL CONTRACTOR OF CHOICE (ECOC) AND SHALL BE DISPOSED OF AT A COMED-APPROVED DISPOSAL FACILITY.
- NO STOCKPILING WILL BE ALLOWED ON THE PROJECT SITE.
- INLET FILTERS SHALL BE PLACED ON ALL OPEN LID STRUCTURES.

COMMITMENTS

NONE

MAINTENANCE OF TRAFFIC AND SIDEWALK NOTES

- TRAFFIC CONTROL DEPICTED IN THE APPLICABLE IDOT AND DISTRICT ONE DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- ALL CONSTRUCTION WARNING SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
- ALL SIGNS, OTHER THAN THOSE WHICH WILL FREQUENTLY BE TURNED, RELOCATED OR COVERED, SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
- DRUMS EQUIPPED WITH ONE-WAY FLASHING LIGHTS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII.
- DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE SPECIAL PROVISION "WORK ZONE TRAFFIC CONTROL DEVICES".
- THE FIRST WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
- EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- W21-1 "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. WORKERS SIGNS MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
- "FRESH OIL" SIGNS (W21-2-48) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING.
- THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801.

UTILITIES

- LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS/HER OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES, UTILITIES AND PIPE LINES.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
- IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND VILLAGE SO THAT THE CONFLICT MAY BE RESOLVED.
- COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRE CONSTRUCTION CONFERENCE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (72 HOURS NOTIFICATION IS REQUIRED.)
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND VILLAGE BY THE CONTRACTOR.
- ANY DRAIN AND/OR FIELD TILE ENCOUNTERED BY THE CONTRACTOR DURING THE INSTALLATION OF THE IMPROVEMENTS SHALL BE RETURNED TO ORIGINAL CONDITION BY THE CONTRACTOR. THE ENGINEER SHALL BE NOTIFIED OF THE FIELD TILE TO WITNESS THE REPAIR AND DOCUMENT ITS LOCATION.
- DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWER, UNDER DRAINS OR FIELD DRAINS WITHIN THE RIGHT OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL SO INFORM THE ENGINEER. THE ENGINEER SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR TO REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF TO BE MAINTAINED.
- MANHOLES AND VALVE VAULTS SHALL BE ADJUSTED WITH PRECAST CONCRETE OR RUBBER ADJUSTING RINGS TO A MAXIMUM OF 12", CONSISTING OF CONCRETE, RUBBER, OR PLASTIC RINGS. NO CONCRETE RINGS 2" AND UNDER WILL BE ALLOWED. NO MORE THAN TWO ADJUSTING RINGS ARE ALLOWED. ANY REQUIRED ADJUSTMENT GREATER THAN 12" WILL NECESSITATE THE ADDITION OF A BARREL SECTION.
- 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 IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

MISCELLANEOUS

- THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
 - CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
 - SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
 - THE ENGINEER AND VILLAGE ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION, UNSUITABLE AND UNUSABLE MATERIALS OFFSITE AND AT AN APPROVED LOCATION THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED.
 - THE CONTRACTOR(S) SHALL KEEP EXISTING ADJACENT STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS ON A DAILY BASIS.
 - ALL CONTRACTOR'S EQUIPMENT STAGED INSIDE OR OUTSIDE OF THE WORK ZONE SHALL NOT IMPEDE ACCESS TO ANY BUSINESS/RESIDENT DRIVEWAY. IF EQUIPMENT IS TO BE STAGED ON PRIVATE PROPERTY, WRITTEN CONSENT FROM THE PROPERTY OWNER SHALL BE ACQUIRED BY THE CONTRACTOR PRIOR TO USAGE WITH A COPY OF THE AGREEMENT PROVIDED TO THE VILLAGE.
- STAKING
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
 - THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.
 - RIGHT OF WAY LINES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ANY POTENTIAL CONFLICTS WHEN APPLICABLE.
 - ALL ELEVATIONS ARE BASED ON NAVD 1988.

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	Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD GENERAL NOTES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -				0054	21-00057-00-CH	KANE	118	3
			CHECKED -	REVISED -		SCALE:		SHEET 1 OF 1 SHEETS		TO STA.		
			DATE -	REVISED -						ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
	20200100	EARTH EXCAVATION	CU YD	1303	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	598	
	20800150	TRENCH BACKFILL	CU YD	47	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1309	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1986	
	21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	598	
	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	
	25000210	SEEDING, CLASS 2A	ACRE	1	
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	
	25100630	EROSION CONTROL BLANKET	SQ YD	1992	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	15	
	28000400	PERIMETER EROSION BARRIER	FOOT	984	
	28000510	INLET FILTERS	EACH	105	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	334	

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VILLAGE OF NORTH AURORA
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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	4
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1309	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	451	
	35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	201	
	35501323	HOT-MIX ASPHALT BASE COURSE, 9 3/4"	SQ YD	659	
	35600715	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4"	SQ YD	650	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2945	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32368	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	20756	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	25	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400	
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2120	
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	5480	
	44000100	PAVEMENT REMOVAL	SQ YD	1049	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	252	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2744	
	44000600	SIDEWALK REMOVAL	SQ FT	4050	

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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	5
CONTRACT NO. 611.39				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
	44003100	MEDIAN REMOVAL	SQ FT	7216	
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	100	
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	250	
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	500	
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	500	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	245	
	55100500	STORM SEWER REMOVAL 12"	FOOT	31	
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	
*	56400600	FIRE HYDRANTS	EACH	1	
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1465	
	60200405	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE	EACH	7	
	60200905	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	2	
	60235800	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	EACH	2	
	60255500	MANHOLES TO BE ADJUSTED	EACH	8	
	60260100	INLETS TO BE ADJUSTED	EACH	53	
*	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	

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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	6
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3002	
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1155	
	60618390	CONCRETE MEDIAN SURFACE, CORRUGATED	SQ FT	80	
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	773	
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	300	
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	
	67100100	MOBILIZATION	L SUM	1	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	640	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	11312	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	30727	
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	3801	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	29436	
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	7568	

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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	7
CONTRACT NO. 61139				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
	70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	400	
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	FOOT	14726	
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	1150	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	61	
*	72000200	SIGN PANEL - TYPE 2	SQ FT	30	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	13	
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	120	
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1188	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8878	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5887	
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	514	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1414	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 6	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE. 0054	SECTION 21-00057-00-CH	COUNTY KANE	TOTAL SHEETS 118	SHEET NO. 9
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	545	
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3500	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	700	
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	63	
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	496	
*	81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	429	
*	81400100	HANDHOLE	EACH	4	
*	81400300	DOUBLE HANDHOLE	EACH	1	
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	18	
*	83800506	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	5	
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	3	
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	
*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	471	
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	714	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1586	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1295	

SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1786	
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	10	
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	874	
*	87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT	EACH	1	
*	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	
*	87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1	
*	87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1	
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3	
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41	
*	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21	
*	87900200	DRILL EXISTING HANDHOLE	EACH	1	
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	
*	88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	10	

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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	10
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
*	88700200	LIGHT DETECTOR	EACH	4	
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1252	
*	X1400101	NETWORK CONFIGURATION	L SUM	1	
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	
*	X1400216	LAYER II (DATALINK) SWITCH	EACH	1	
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	
	X4060282	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	201	
	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)	SQ FT	3702	
	X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (SPECIAL)	SQ FT	527	
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	100	
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	201	
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	715	
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	47600	
	X5011100	FOUNDATION REMOVAL	EACH	1	
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	

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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

SCALE: N.T.S.	SHEET 8 OF 9 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	11
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
				ROADWAY 80% STU 20% LA 0004	TRAINEES 80% STU 20% LA 0042
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	52	
*	X8440120	REMOVE AND RE-ERECT EXISTING LIGHTING UNIT	EACH	3	
*	X8570234	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1	
*	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	
*	X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	471	
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4	
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4	
*	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4	
*	X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1	
*	XX008963	THREE CELL FABRIC INNERDUCT	FOOT	439	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	6	
*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	
	Z0076600	TRAINEES	HOUR		500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR		500

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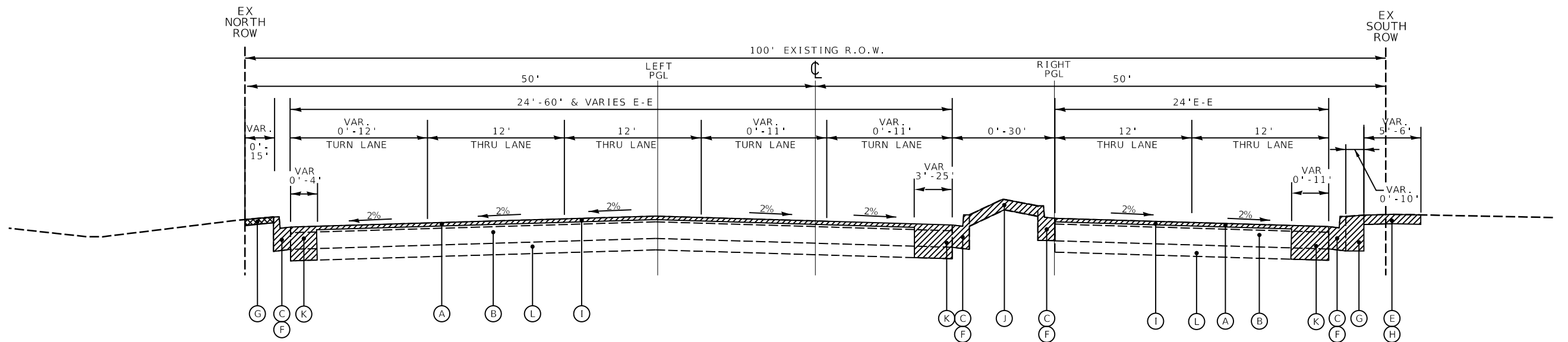
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ORCHARD GATEWAY BOULEVARD
SUMMARY OF QUANTITIES

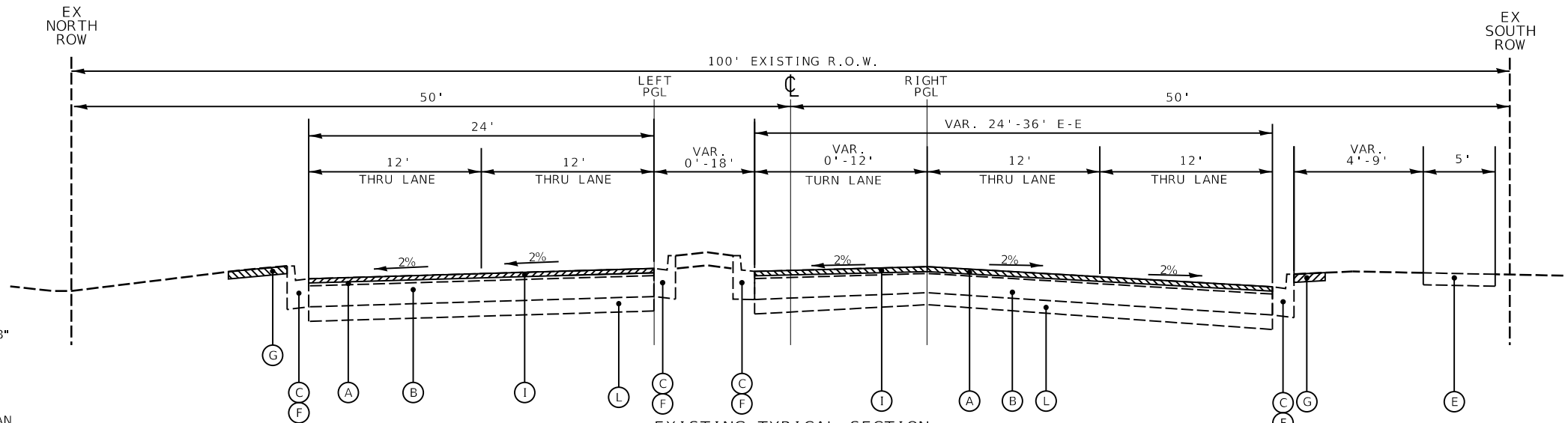
SCALE: N.T.S. SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	12
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

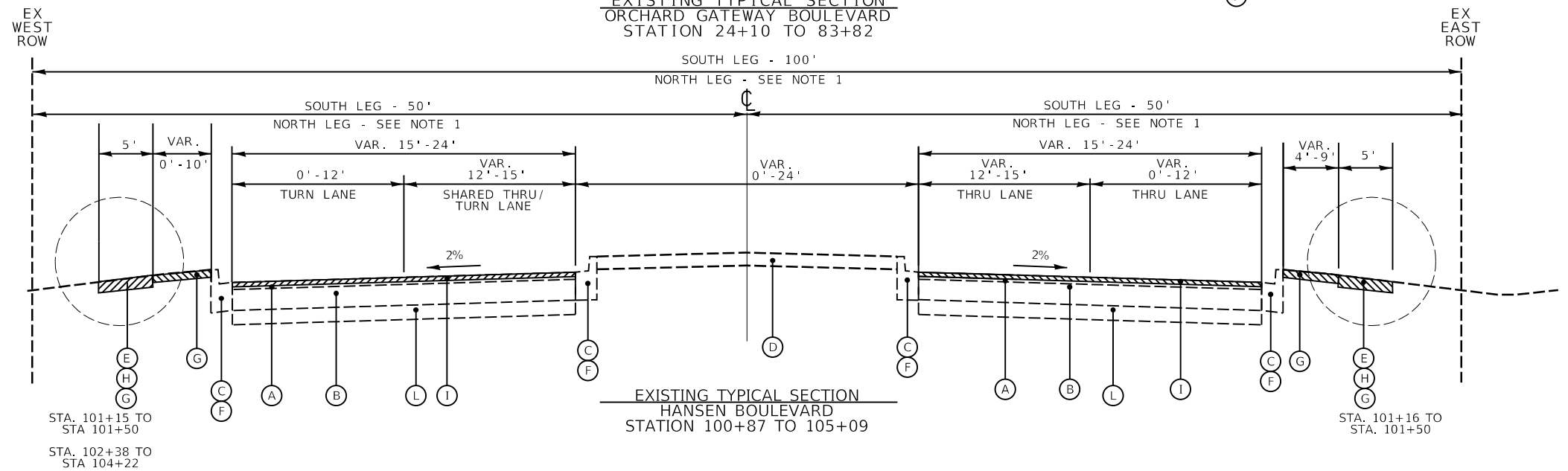
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EXISTING TYPICAL SECTION
ORCHARD GATEWAY BOULEVARD
STATION 15+17 TO 24+10



EXISTING TYPICAL SECTION
ORCHARD GATEWAY BOULEVARD
STATION 24+10 TO 83+82



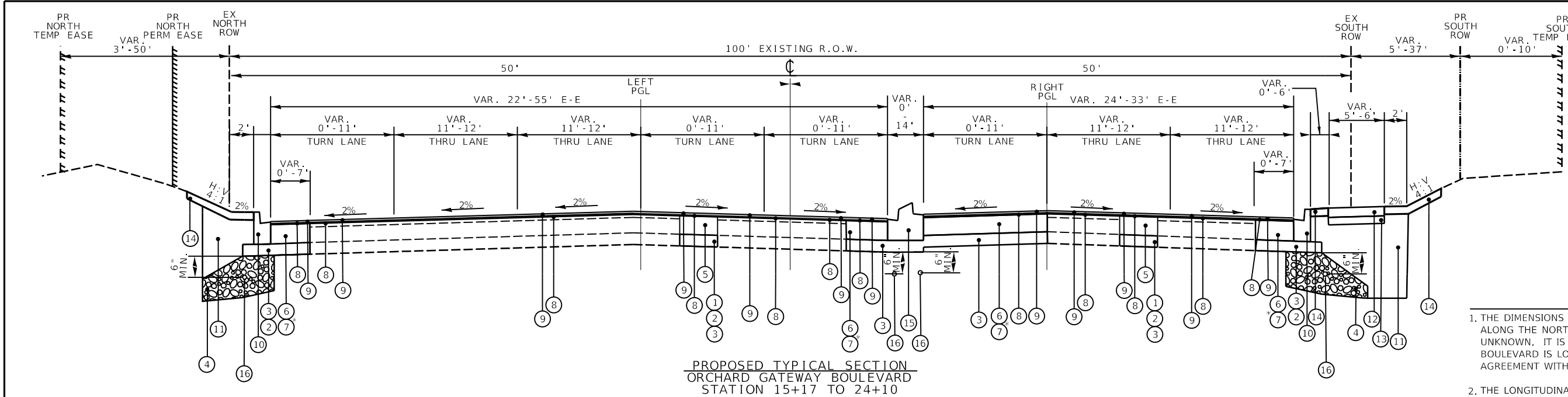
EXISTING TYPICAL SECTION
HANSEN BOULEVARD
STATION 100+87 TO 105+09

EXISTING LEGEND

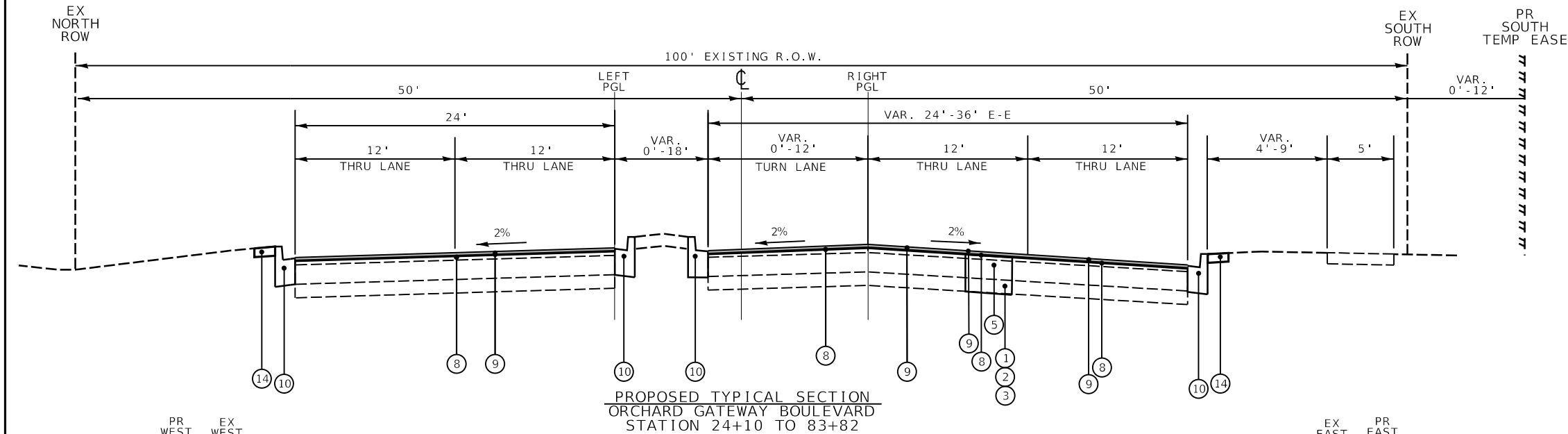
- (A) EXISTING ASPHALT PAVEMENT, VARIES 1.5"-3"
- (B) EXISTING ASPHALT BASE, VARIES 7"-12.5"
- (C) EXISTING TYPE B-6.12 CONCRETE CURB & GUTTER
- (D) EXISTING CONCRETE MEDIAN/PAINTED MEDIAN
- (E) EXISTING SIDEWALK, 5"
- (F) EXISTING CURB REMOVAL (VARIOUS LOCATIONS)
- (G) EARTH EXCAVATION
- (H) SIDEWALK REMOVAL (VARIOUS LOCATIONS)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (J) MEDIAN REMOVAL
- (K) PAVEMENT REMOVAL
- (L) EXISTING AGGREGATE BASE, 10"

NOTES

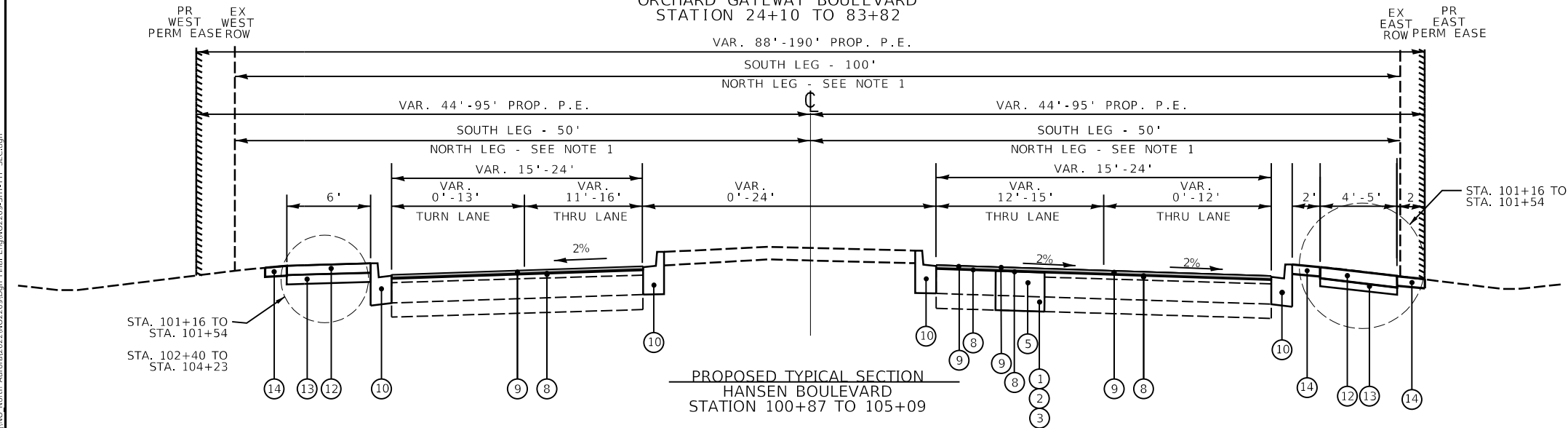
1. THE DIMENSIONS OF THE EXISTING RIGHT-OF-WAY ALONG THE NORTH LEG OF HANSEN BOULEVARD ARE UNKNOWN. IT IS BELIEVED THAT HANSEN BOULEVARD IS LOCATED WITHIN AN EXISTING LEASE AGREEMENT WITH COMED.



- NOTES
1. THE DIMENSIONS OF THE EXISTING RIGHT-OF-WAY ALONG THE NORTH LEG OF HANSEN BOULEVARD ARE UNKNOWN. IT IS BELIEVED THAT HANSEN BOULEVARD IS LOCATED WITHIN AN EXISTING LEASE AGREEMENT WITH COMED.
 2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.



- PROPOSED LEGEND
- 1 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
 - 2 GEOTEXTILE FABRIC FOR GROUND STABILIZATION
 - 3 AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - 4 POROUS GRANULAR EMBANKMENT
 - 5 CLASS D PATCHES, 10" OF THE TYPE SPECIFIED
 - 6 HOT-MIX ASPHALT BASE COURSE, 9.75"
 - 7 HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75"
 - 8 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
 - 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
 - 10 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 11 FURNISHED EXCAVATION
 - 12 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - 13 AGGREGATE BASE COURSE, TYPE B 4"
 - 14 TOPSOIL, 6", SEED, FERTILIZER
 - 15 PROPOSED CONCRETE MEDIAN, TYPE SB-6.12
 - 16 PIPE UNDERDRAINS, TYPE 2, 4"
- * FOR WIDTHS < 6'



HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ N _{des}	QMP
ORCHARD GATEWAY & HANSEN BOULEVARD RESURFACING	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	LR 1030-2
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	4% @ 70 Gyr.	LR 1030-2
ORCHARD GATEWAY & HANSEN BOULEVARD WIDENING	HOT-MIX ASPHALT BASE COURSE, 9.75" (HMA BINDER IL-19.0)	4% @ 70 Gyr.	LR 1030-2
	HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75" (HMA BINDER IL-19.0)	4% @ 70 Gyr.	LR 1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 Gyr.	LR 1030-2
HMA DRIVEWAY PAVEMENT 4"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4" (IN TWO LIFTS)	4% @ 50 Gyr.	LR 1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2

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

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

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	14
CONTRACT NO. 61L39				
ILLINOIS / FED. AID PROJECT				

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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SCHEDULE OF EARTHWORK QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	15
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

AVERAGE END AREA							Volume						
Station	Length (ft)	Earth Exc (ft2)	Embankment (ft2)	Unsuitable Exc (ft2)	Under Cut (ft2)	PGE (ft2)	Earth Exc (yd3)	Exc to be used in embankment (15% Shrinkage)	Embankment (yd3)	Difference (yd3) Excess (+) Furnished Exc (-)	Unsuitable Exc (yd3)	Under Cut (yd3)	PGE (yd3)
	A	B	C	D	E	F	G=(A*B)/27	H=G*0.85	I=(A*C)/27	J=H-I	K=(A*D)/27	L=(A*E)/27	M=(A*F)/27
15+17.00													
15+50.00	33	31.22	1.46	8.75	0.00	0.00	38.16	32.44	1.78	30.66	13.37	0	0
16+00.00	50.00	47.95	1.78	16.28	0.00	0.00	88.80	75.48	3.30	72.18	37.69	0	0
16+25.00	25.00	62.44	2.79	14.91	0.00	0.00	57.81	49.14	2.58	46.56	17.26	0	0
16+50.00	25.00	58.13	2.62	15.63	0.00	0.00	53.83	45.75	2.43	43.32	18.09	0	0
17+00.00	50.00	42.64	1.75	18.02	0.00	0.00	78.96	67.11	3.23	63.88	41.71	0	0
17+50.00	50.00	45.05	1.40	17.80	0.00	0.00	83.43	70.91	2.59	68.32	41.21	0	0
18+00.00	50.00	44.08	1.32	18.03	0.00	0.00	81.62	69.38	2.44	66.94	41.74	0	0
18+50.00	50.00	44.44	2.28	19.44	0.00	0.00	82.30	69.96	4.23	65.73	45.01	0	0
19+00.00	50.00	45.27	2.25	18.52	0.00	0.00	83.83	71.25	4.17	67.08	42.86	0	0
19+50.00	50.00	64.23	0.67	20.81	0.00	0.00	118.94	101.10	1.24	99.85	48.18	0	0
20+00.00	50.00	85.18	0.00	25.35	0.00	0.00	157.74	134.08	0.00	134.08	58.67	0	0
20+50.00	50.00	81.86	0.94	20.40	0.00	0.00	151.60	128.86	1.75	127.11	47.21	0	0
21+00.00	50.00	51.48	5.42	14.27	0.00	0.00	95.33	81.03	10.04	71.00	33.04	0	0
21+50.00	50.00	18.14	7.63	11.31	0.00	0.00	33.59	28.55	14.13	14.42	26.18	0	0
22+00.00	50.00	13.27	5.54	10.70	0.00	0.00	24.57	20.88	10.26	10.62	24.77	0	0
22+50.00	50.00	21.08	5.51	13.03	0.00	0.00	39.04	33.18	10.21	22.98	30.16	0	0
23+00.00	50.00	18.26	5.59	13.37	0.00	0.00	33.82	28.75	10.34	18.40	30.94	0	0
TOTAL							1303.35	1107.85	84.72	1023.13	598.08	0	0

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BENCHMARK 1
FIRE HYDRANT AT THE NE CORNER OF
ORCHARD RD AND ORCHARD GATEWAY
BLVD

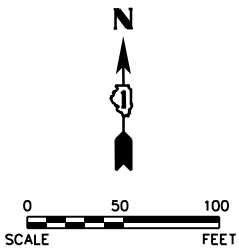
SE ARROW BOLT ELEV. = 692.78

BENCHMARK 3
FIRST FIRE HYDRANT E OF
HANSEN BLVD ON N SIDE OF ORCHARD
GATEWAY BLVD

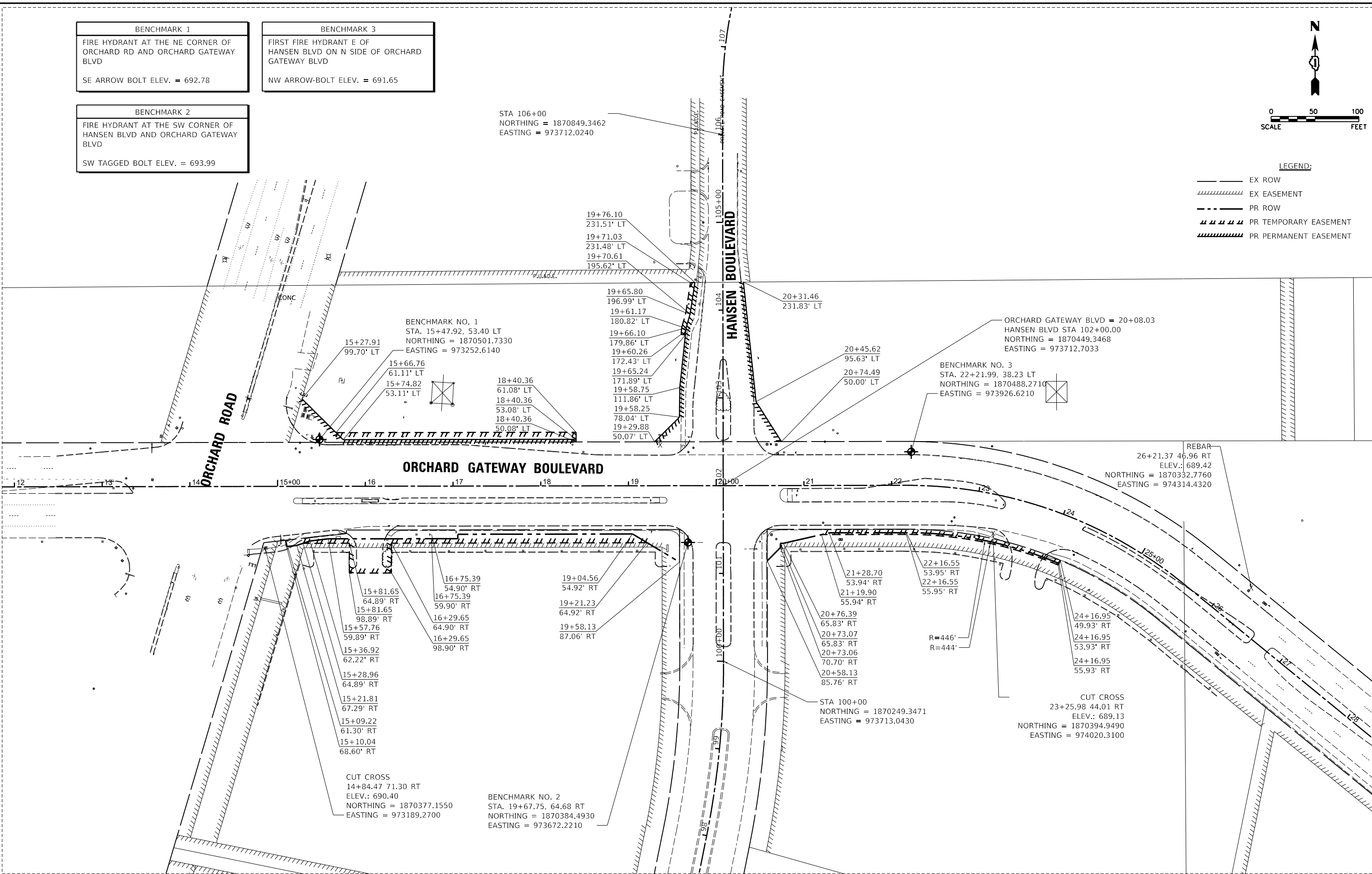
NW ARROW-BOLT ELEV. = 691.65

BENCHMARK 2
FIRE HYDRANT AT THE SW CORNER OF
HANSEN BLVD AND ORCHARD GATEWAY
BLVD

SW TAGGED BOLT ELEV. = 693.99



- LEGEND:
- EX ROW
 - EX EASEMENT
 - PR ROW
 - PR TEMPORARY EASEMENT
 - PR PERMANENT EASEMENT



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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=50'

SHEET 1 OF 1 SHEETS

STA. 15+17 TO STA. 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	16
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

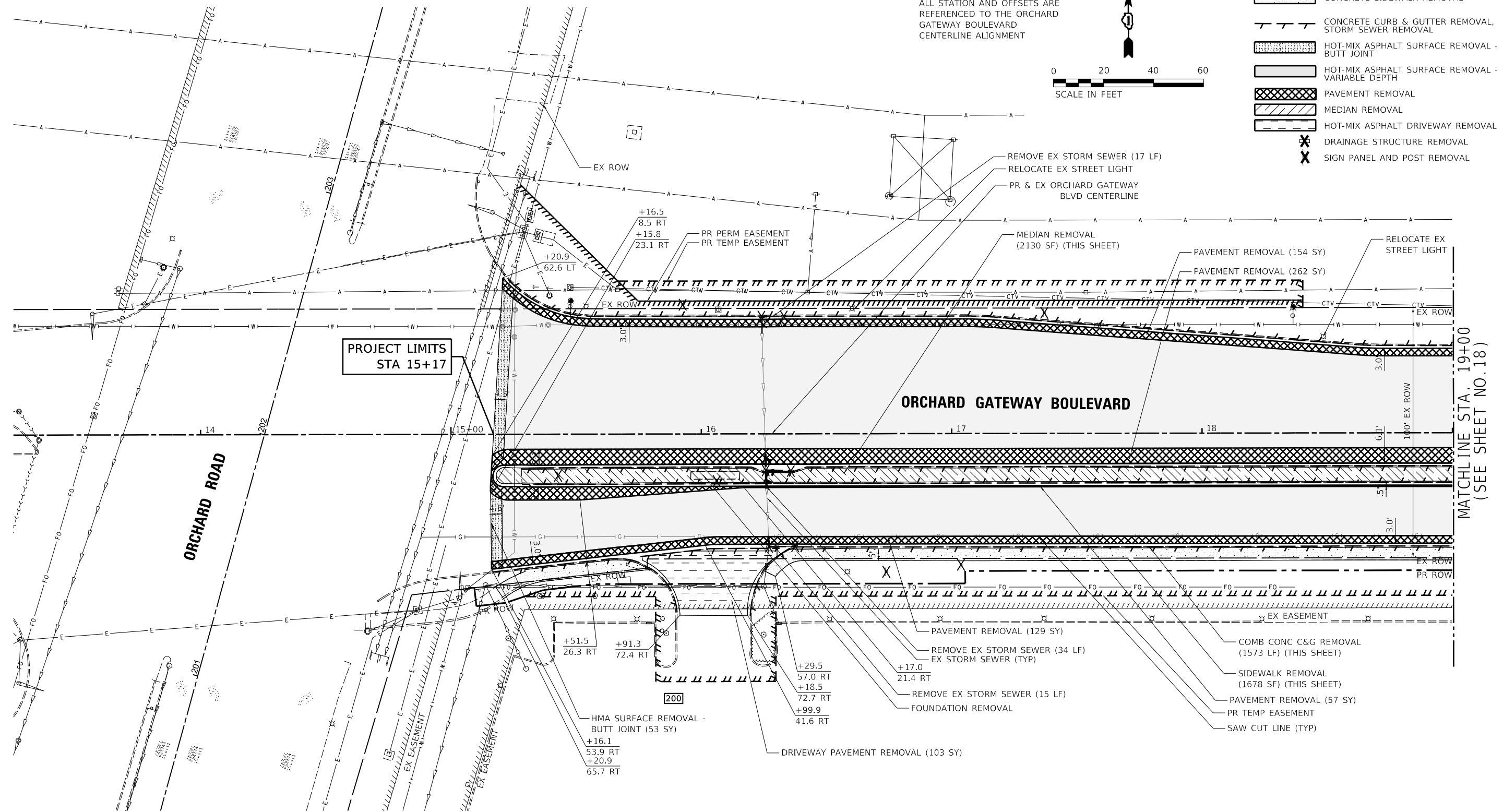
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ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT



0 20 40 60
SCALE IN FEET

	CONCRETE SIDEWALK REMOVAL
	CONCRETE CURB & GUTTER REMOVAL, STORM SEWER REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL - VARIABLE DEPTH
	PAVEMENT REMOVAL
	MEDIAN REMOVAL
	HOT-MIX ASPHALT DRIVEWAY REMOVAL
	DRAINAGE STRUCTURE REMOVAL
	SIGN PANEL AND POST REMOVAL



MATCHLINE STA. 19+00
(SEE SHEET NO. 18)

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25 EAST STATE STREET
NORTH AURORA, IL 60542

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CHECKED -	REVISED -
DATE -	REVISED -

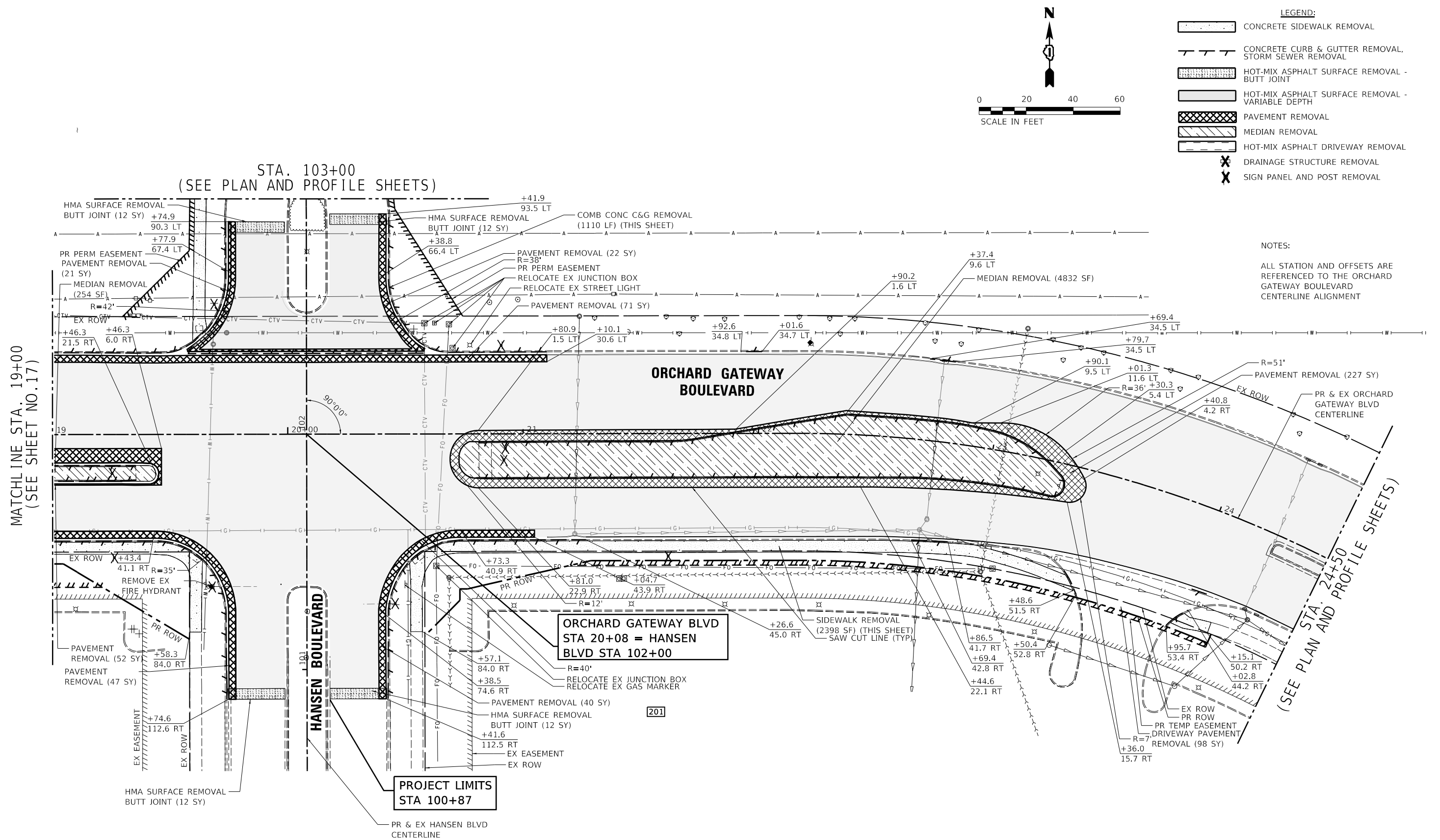
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD REMOVAL PLAN

SCALE: 1"=20'	SHEET 1	OF 2	SHEETS	STA. 15+17	TO STA. 19+00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	17
		CONTRACT NO. 61L39		
ILLINOIS		FED. AID PROJECT		

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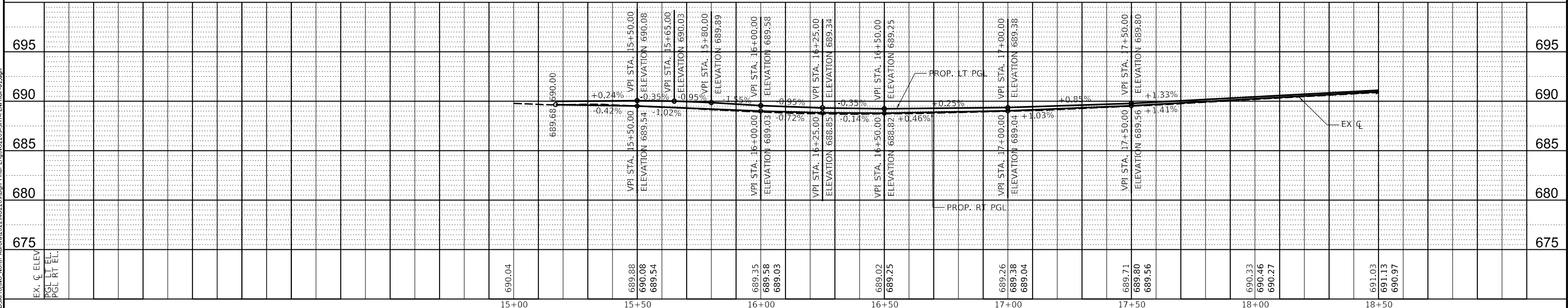
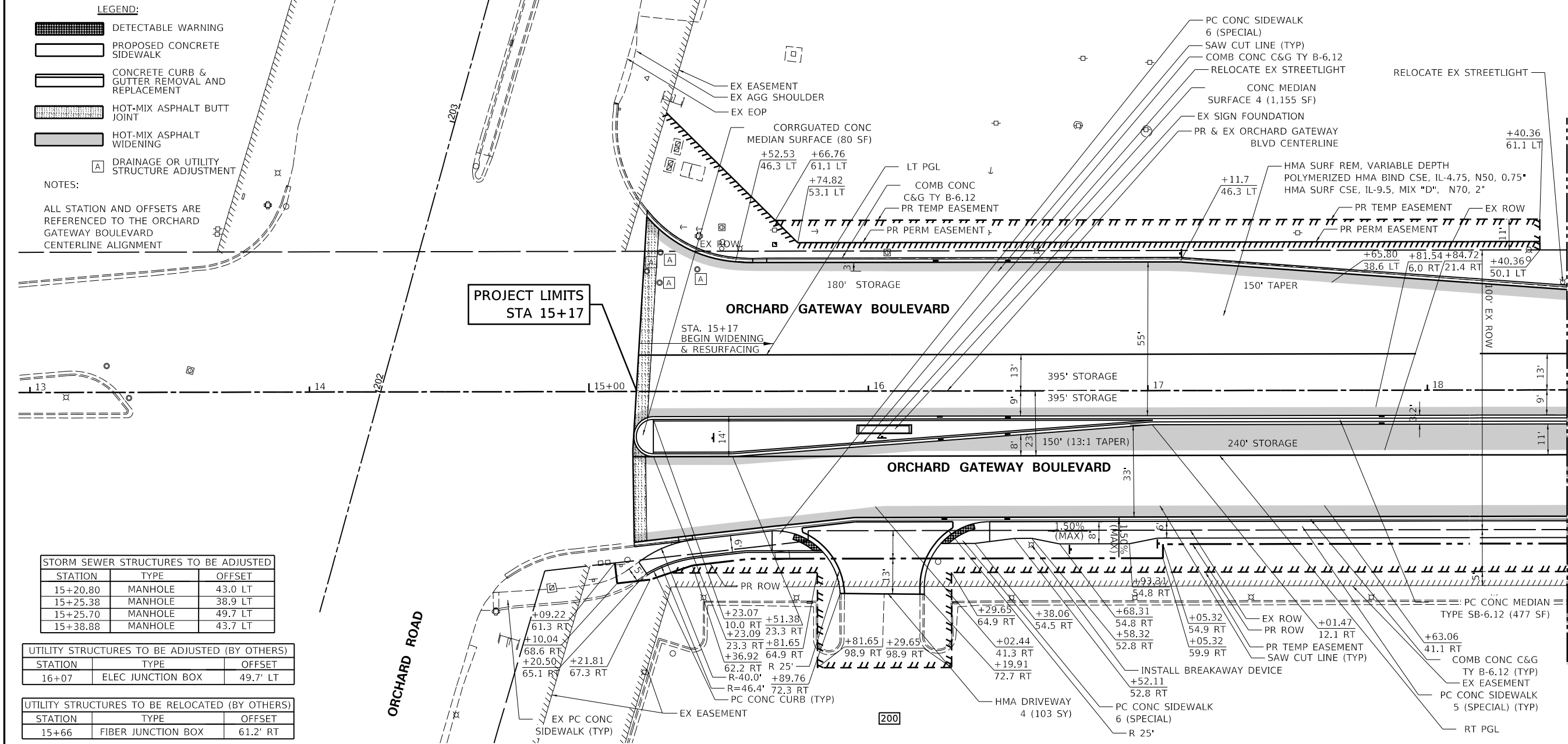
NOTES:

(SEE PLAN AND PROFILE SHEETS)

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
NO.		

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

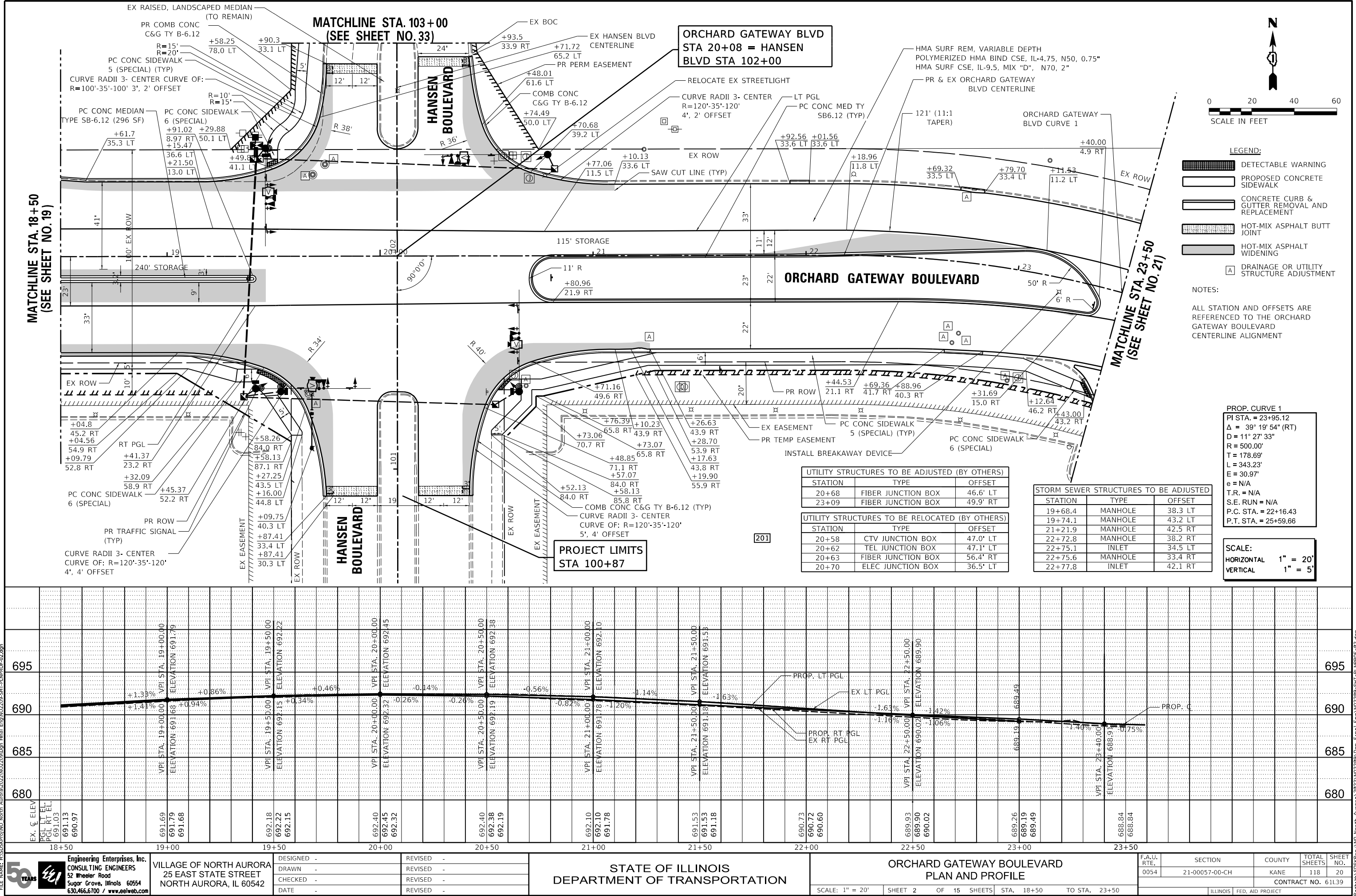
SCALE: 1" = 20'	SHEET 1	OF 15 SHEETS	STA. 15+17	TO STA. 18+50
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	19
CONTRACT NO. 61L39				

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
CADD FILE NAME		

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
STRUCTURE NOTATION CHRG		

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VILLAGE OF NORTH AURORA
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NORTH AURORA, IL 60052

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DRAWN -
CHECKED -
DATE -

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REVISED -
REVISED -
REVISED -

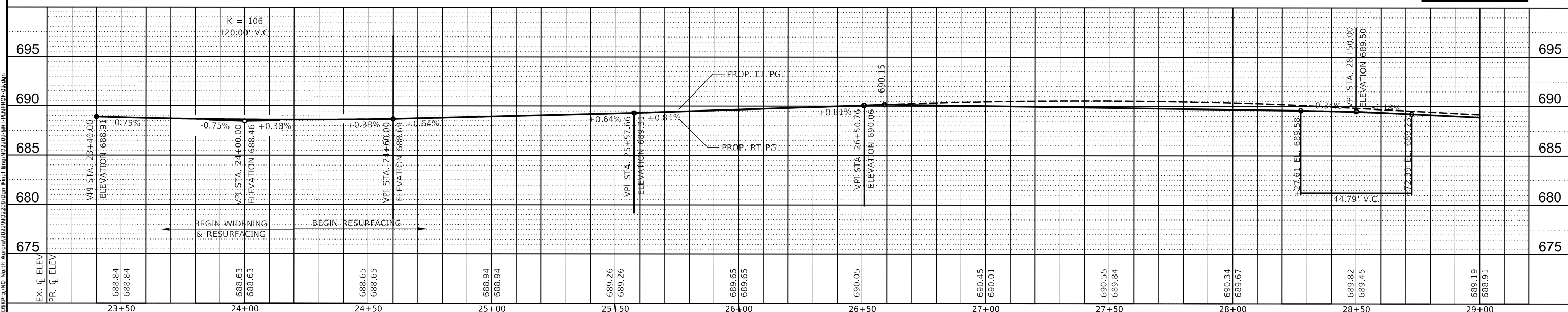
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAN AND PROFILE

SCALE: 1" = 20' SHEET 2 OF 15 SHEETS STA. 18+50 TO STA. 23+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	20
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

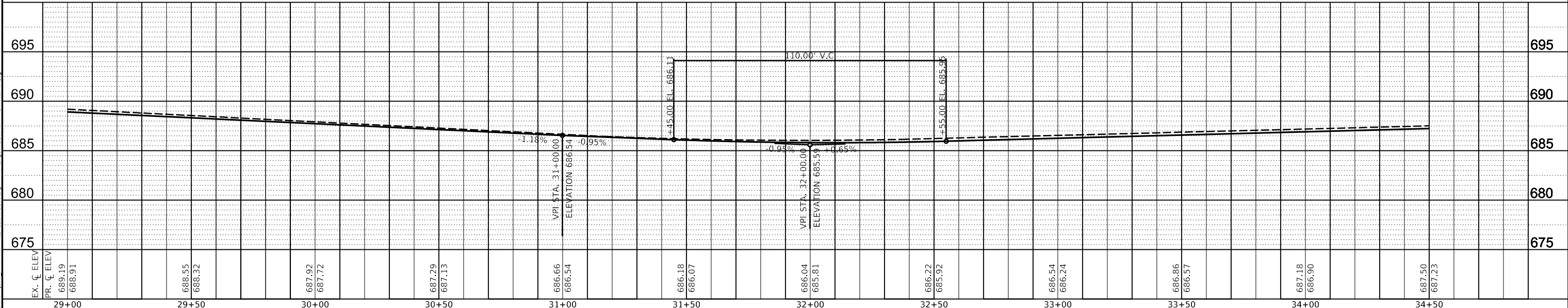
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NOTE BOOK			
NO. _____			



PLAN	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

PROFILE	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

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DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD PLAN AND PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISD -			0054	21-00057-00-CH	KANE	118	22
CHECKED -	REVISD -			CONTRACT NO. 61L39				
DATE -	REVISD -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 4 OF 15 SHEETS STA. 29+00 TO STA. 34+50

MATCHLINE STA. 29+00
(SEE SHEET NO. 21)

MATCHLINE STA. 34+50
(SEE SHEET NO. 23)

LEGEND:

- DETECTABLE WARNING
- PROPOSED CONCRETE SIDEWALK
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT BUTT JOINT
- DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT

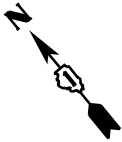
NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

STATION	TYPE	OFFSET
29+97.6	INLET	34.3 RT
29+89.9	INLET	34.3 LT
32+96.9	INLET	34.5 LT
33+95.9	INLET	35.0 LT
33+96.7	INLET	34.3 RT

SCALE:

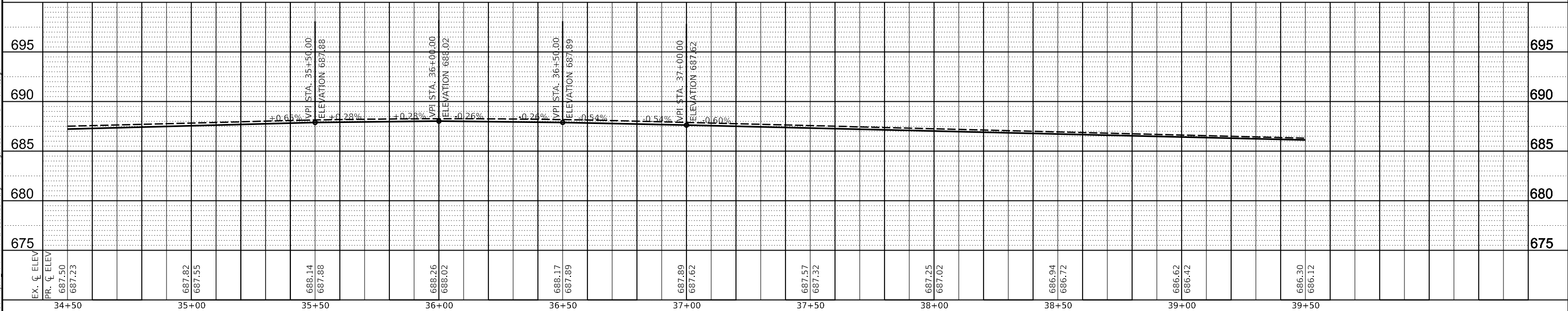
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
NO.		

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
NO.		

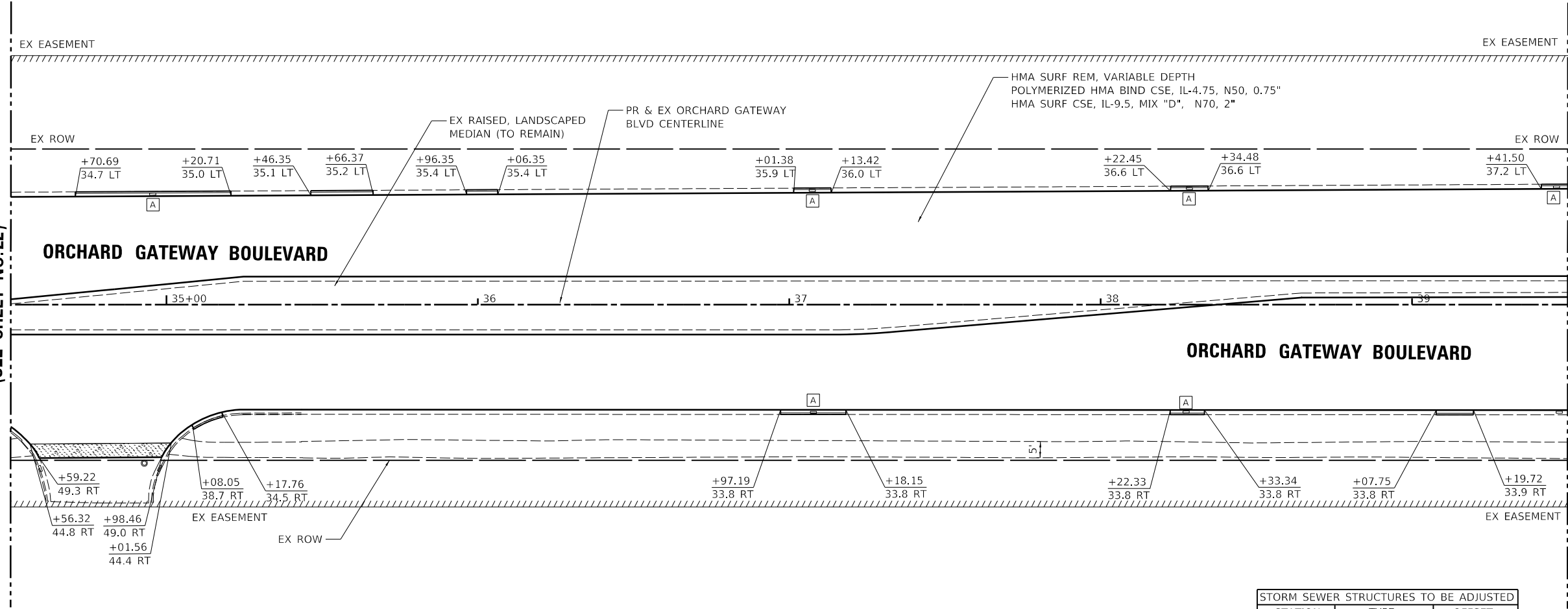
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DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD PLAN AND PROFILE	SCALE: 1" = 20'	SHEET 5 OF 15 SHEETS	STA. 34+50 TO STA. 39+50	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISD -						0054	21-00057-00-CH	KANE	118	23
CHECKED -	REVISD -						CONTRACT NO. 61L39				
DATE -	REVISD -						ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 34+50
(SEE SHEET NO.22)

MATCHLINE STA. 39+50
(SEE SHEET NO.24)



LEGEND:

- DETECTABLE WARNING
- PROPOSED CONCRETE SIDEWALK
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT BUTT JOINT
- DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT

NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

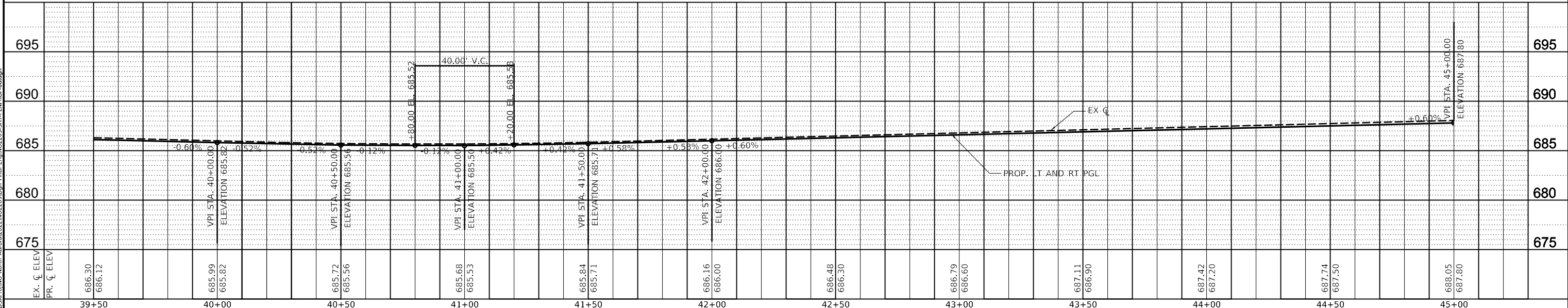
SCALE:

HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHNG	

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHNG	

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DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD PLAN AND PROFILE	SCALE: 1" = 20'	SHEET 6 OF 15 SHEETS	STA. 39+50 TO STA. 45+00	ILLINOIS FED. AID PROJECT
DRAWN -	REVISD -						
CHECKED -	REVISD -						
DATE -	REVISD -						

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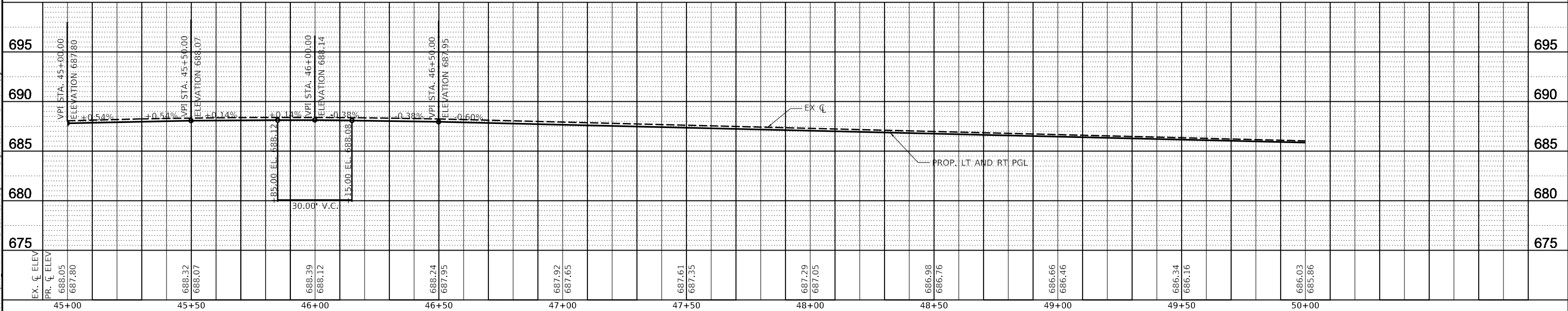
VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	24
CONTRACT NO. 61L39				

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
	ALIGNED	
	CADD FILE NAME	

PROFILE			BY	DATE
	SURVEYED _____			
	PLOTTED _____			
NOTE BOOK	GRADES CHECKED _____			
	B. M. NOTED _____			
NO. _____	STRUCTURE NOTATIONS CHKD _____			

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DRAWN -	REVISD -			0054	21-00057-00-CH	KANE	118	25
CHECKED -	REVISD -			CONTRACT NO. 61L39				
DATE -	REVISD -			ILLINOIS FED. AID PROJECT				

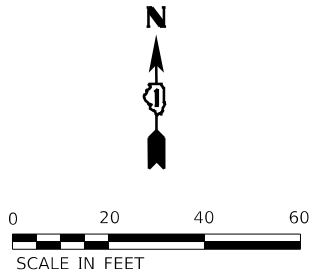
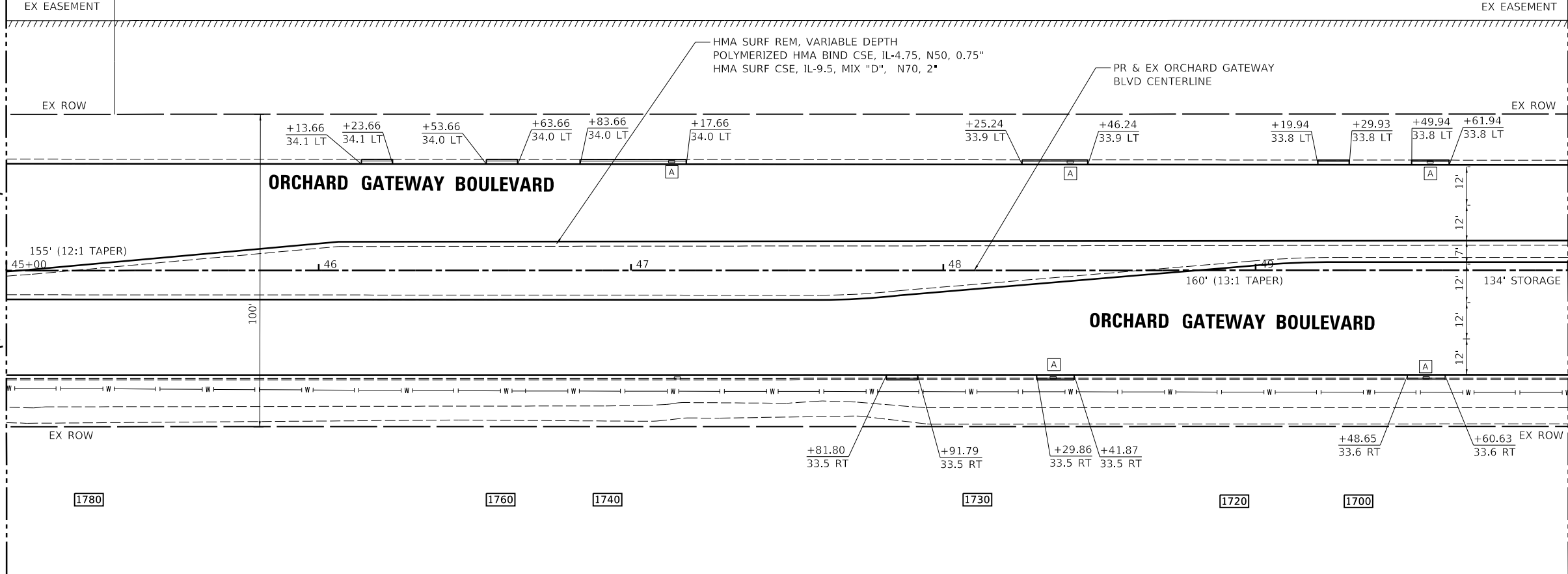


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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

MATCHLINE STA. 45+00
(SEE SHEET NO.24)

MATCHLINE STA. 50+00
(SEE SHEET NO.26)



- LEGEND:
-  DETECTABLE WARNING
 -  PROPOSED CONCRETE SIDEWALK
 -  CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
 -  HOT-MIX ASPHALT BUTT JOINT
 -  DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT

NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

STATION	TYPE	OFFSET
47+13.0	INLET	34.5 LT
48+35.2	INLET	34.1 RT
48+40.6	INLET	34.6 LT
49+53.6	INLET	34.2 RT
49+55.9	INLET	34.5 LT

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

PROFILE			BY	DATE
	SURVEYED			
	PLOTTED			
NOTE BOOK	GRADES CHECKED			
	R.M. NOTED			
NO. _____	STRUCTURE NOTATIONS CHKD			

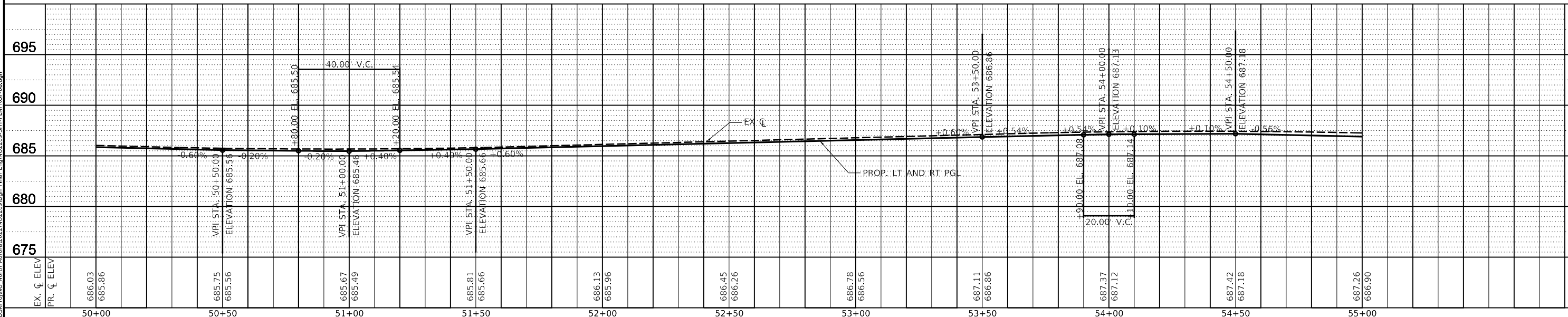
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NOTES:

ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT

SCALE:	
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'



ORCHARD GATEWAY BOULEVARD PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	26
		CONTRACT NO. 61139		
ILLINOIS		FED. AID PROJECT		

PROFILE			BY	DATE
	SURVEYED			
	PLOTTED			
NOTE BOOK	GRADES CHECKED			
	R.M. NOTED			
NO. _____	STRUCTURE NOTATIONS CHK'D			

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NOTES:

ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT

SCALE:	
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'



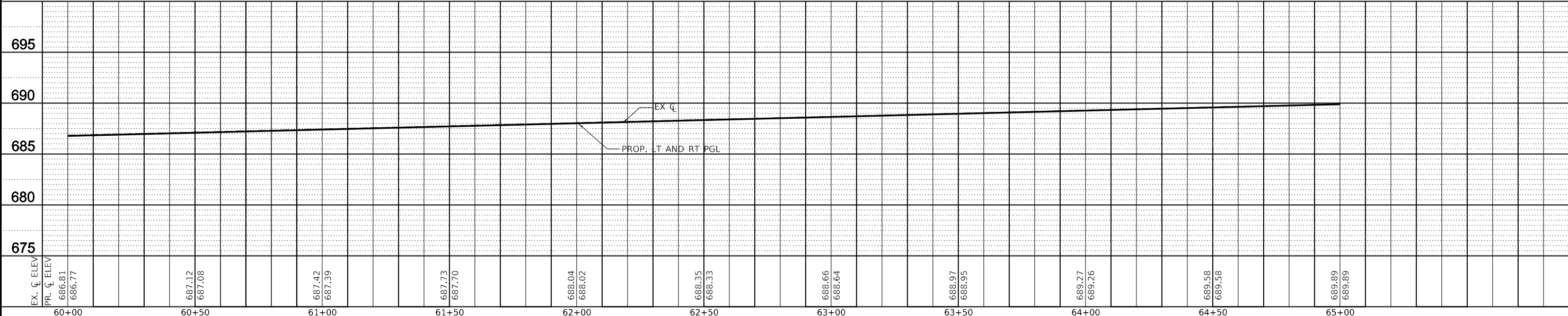
ORCHARD GATEWAY BOULEVARD PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	27
		CONTRACT NO. 61L39		
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
ALIGNED		
CADD FILE NAME		

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

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
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DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAN AND PROFILE

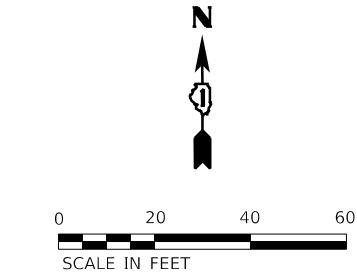
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	28
CONTRACT NO. 61L39				

ILLINOIS FED. AID PROJECT

MATCHLINE STA. 60+00
(SEE SHEET NO. 27)

MATCHLINE STA. 65+00
(SEE SHEET NO. 29)



- LEGEND:
- DETECTABLE WARNING
 - PROPOSED CONCRETE SIDEWALK
 - CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
 - HOT-MIX ASPHALT BUTT JOINT
 - DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT

NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

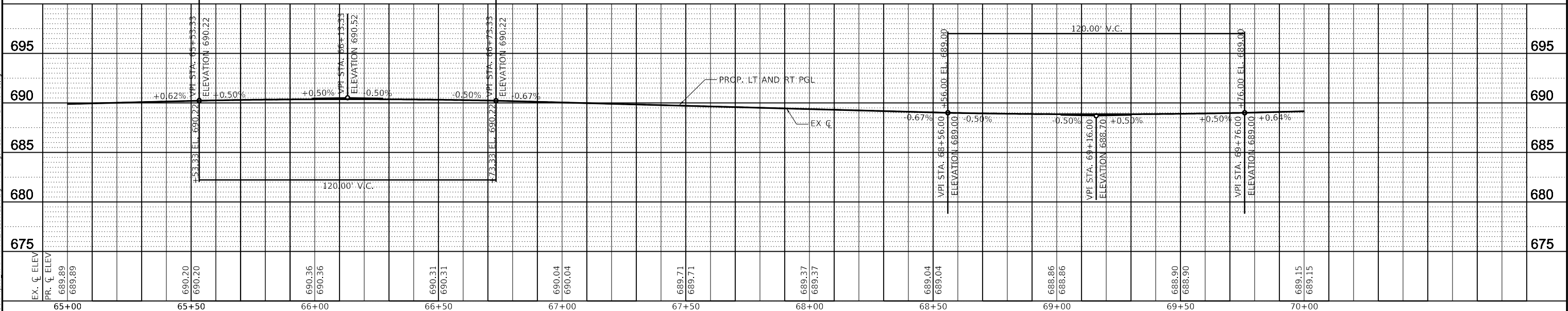
SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

STORM SEWER STRUCTURES TO BE ADJUSTED		
STATION	TYPE	OFFSET
62+13.9	INLET	34.6 LT
64+14.7	INLET	34.5 LT

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

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
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	STRUCTURE NOTATION CHKD	

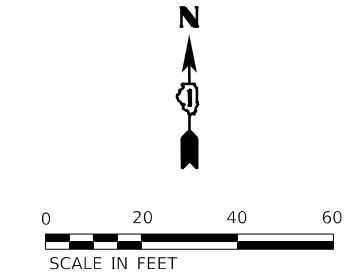
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PLOT DATE = 8/29/2023 10:46:38 AM
MODEL: P-11
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675	680	685	690	695
EX. C ELEV	PR. C ELEV	689.89	689.89	689.89
65+00	65+50	66+00	66+50	67+00
67+50	68+00	68+50	69+00	69+50
70+00				
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VILLAGE OF NORTH AURORA	25 EAST STATE STREET	NORTH AURORA, IL 60542		
STATE OF ILLINOIS	DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD	PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 11	OF 15 SHEETS	STA. 65+00	TO STA. 70+00
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	29
			CONTRACT NO.	61L39
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA. 65+00
(SEE SHEET NO.28)

MATCHLINE STA. 70+00
(SEE SHEET NO.30)



- LEGEND:
- DETECTABLE WARNING
 - PROPOSED CONCRETE SIDEWALK
 - CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
 - HOT-MIX ASPHALT BUTT JOINT
 - DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT

NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

SCALE:

HORIZONTAL 1" = 20'

VERTICAL 1" = 5'

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PLAN	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

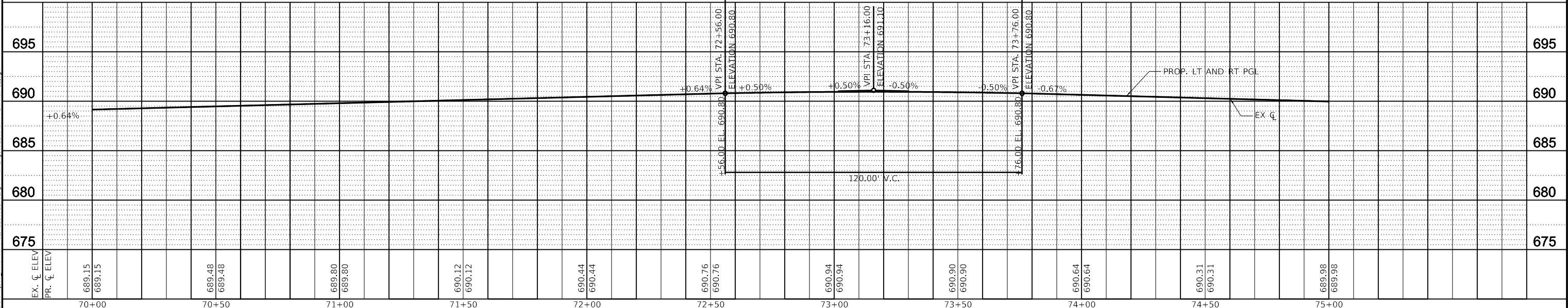
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STRUCTURE NOTATIONS CHKD		

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PLOT DATE = 8/29/2023 12:16:21 PM

MODEL P-P12

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAN AND PROFILE

SCALE: 1" = 20' SHEET 12 OF 15 SHEETS STA. 70+00 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	30
CONTRACT NO. 61L39				

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

EX. CURVE NO. 3
PI STA. = 72+29.30
 Δ = 9° 17' 59" (LT)
D = 22° 55' 06"
R = 250.00'
T = 20.33'
L = 40.58'
E = 0.83'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 72+08.97
P.T. STA. = 72+49.55

- LEGEND:
- DETECTABLE WARNING
 - PROPOSED CONCRETE SIDEWALK
 - CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
 - HOT-MIX ASPHALT BUTT JOINT
 - DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT

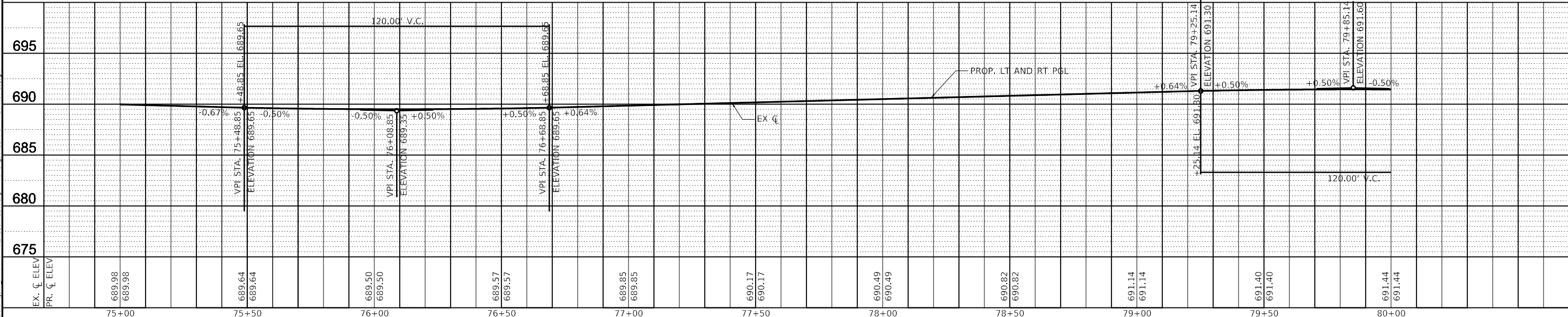
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SCALE IN FEET



PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	

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VILLAGE OF NORTH AURORA
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NORTH AURORA, IL 60542

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

REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAN AND PROFILE

SCALE: 1" = 20' SHEET 13 OF 15 SHEETS STA. 75+00 TO STA. 80+00

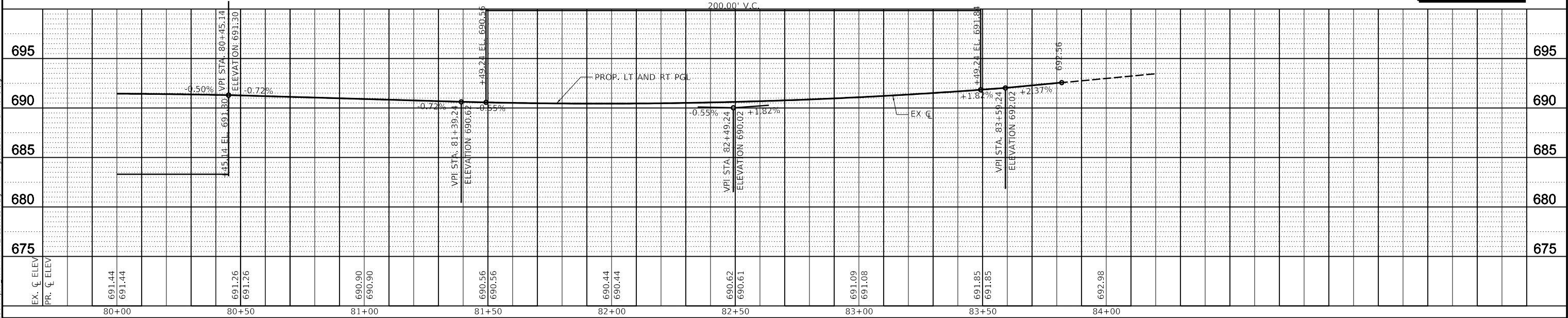
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	31
CONTRACT NO. 61L39				
ILLINOIS / FED. AID PROJECT				

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PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	

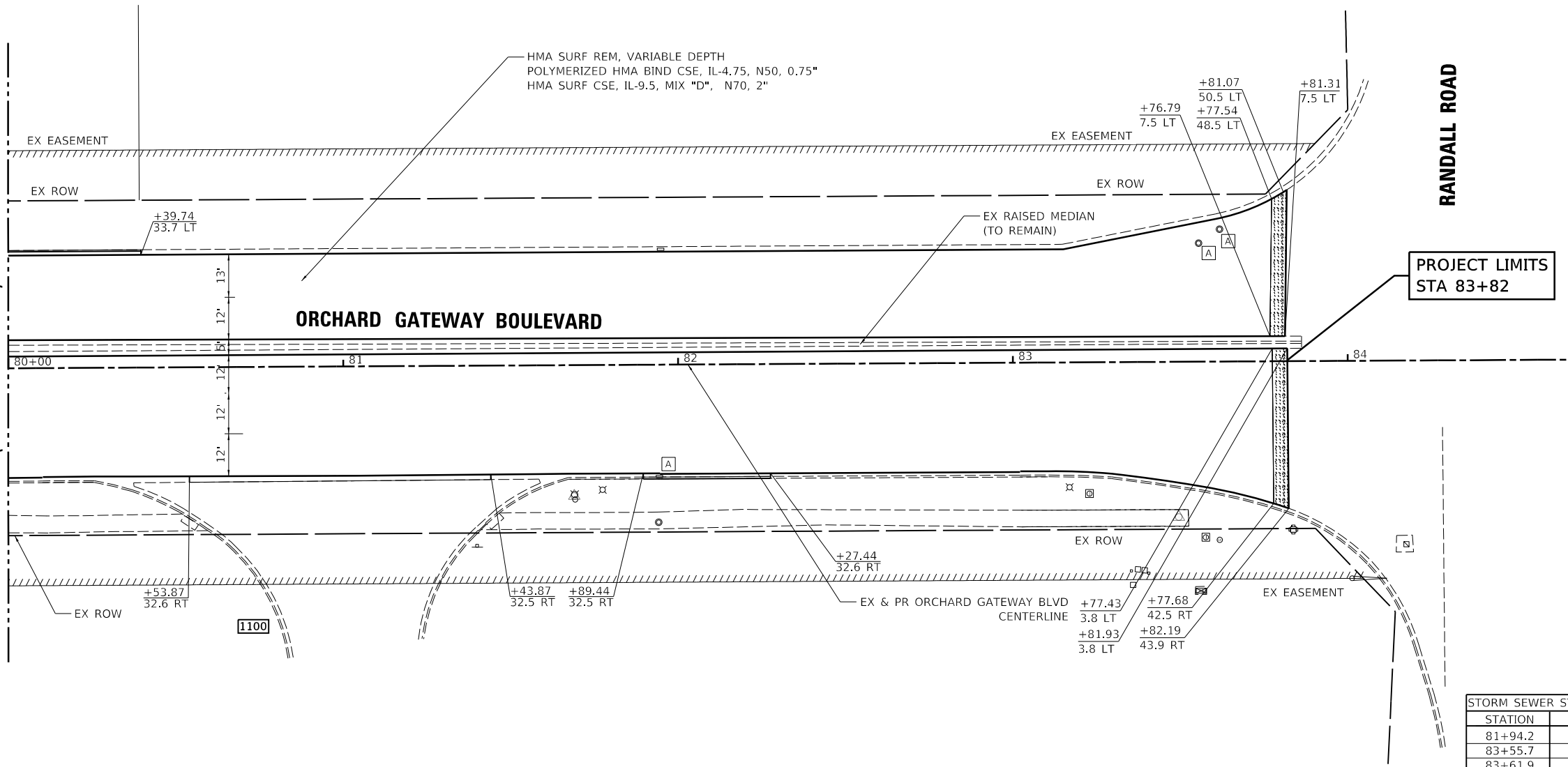
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NO.	BY	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	

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50 YEARS  Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD PLAN AND PROFILE					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		0054	21-00057-00-CH	KANE	118	32					
		CHECKED -	REVISED -		CONTRACT NO. 61L39									
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									
					SCALE: 1" = 20'	SHEET 14	OF 15 SHEETS	STA. 80+00	TO STA. 83+82					

MATCHLINE STA. 80+00
(SEE SHEET NO. 31)



PROJECT LIMITS
STA 83+82

STATION	TYPE	OFFSET
81+94.2	INLET	33.4 RT
83+55.7	MANHOLE	35.4 LT
83+61.9	MANHOLE	39.6 LT

NOTES:
ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



LEGEND:

- DETECTABLE WARNING
- PROPOSED CONCRETE SIDEWALK
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT BUTT JOINT
- DRAINAGE OR UTILITY STRUCTURE ADJUSTMENT



PLAN	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

PROFILE	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

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PLOT DATE = 8/30/2023 12:16:00 PM

MODEL P-15

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

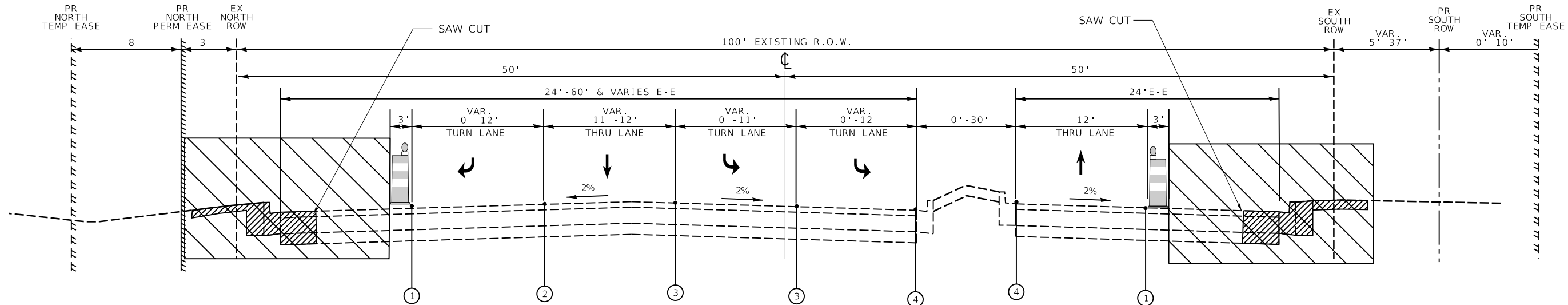
DESIGNED -	REVISD -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**HANSEN BOULEVARD
PLAN AND PROFILE**

SCALE: 1" = 20' SHEET 15 OF 15 SHEETS STA. 103+00 TO STA. 105+09

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	33
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1
ORCHARD GATEWAY BOULEVARD
STATION 15+17 TO 23+50

PRE-STAGE 1 SUGGESTED CONSTRUCTION SEQUENCE

1. REMOVE EXISTING CONFLICTING PAVEMENT MARKINGS ALONG ORCHARD GATEWAY BOULEVARD AND ORCHARD ROAD.
2. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND TAPE IN ANTICIPATION FOR STAGE 1 WORK.
3. COVER EXISTING CONFLICTING TRAFFIC SIGNAGE ALONG ORCHARD GATEWAY BOULEVARD, ORCHARD ROAD, AND HANSEN BOULEVARD.

STAGE 1 SUGGESTED CONSTRUCTION SEQUENCE

1. SAW CUT EXISTING PAVEMENT 3.0 FEET FROM OUTER CURB EDGE.
2. REMOVE PAVEMENT OUTSIDE OF SAW CUT.
3. REMOVE CURB AND GUTTER OUTSIDE OF SAW CUT.
4. REMOVE SIDEWALK OUTSIDE OF SAW CUT.
5. REMOVE EXISTING STORM SEWER STRUCTURES AND PIPES.
6. INSTALL PROPOSED STORM SEWER STRUCTURES AND PIPES.
7. PLACE TRENCH BACKFILL AND POROUS GRANULAR EMBANKMENT.
8. PLACE GEOTEXTILE FABRIC AND AGGREGATE SUBGRADE IMPROVEMENT, 12-INCH.
9. INSTALL CURB AND GUTTER.
10. PAVE HMA BASE COURSE, 9.75-INCH
11. PLACE AGGREGATE BASE COURSE, 4-INCH AND PCC SIDEWALK, 5-INCH.
12. REMOVE AND REPLACE SOUTH SIDE DRIVEWAY APRONS. TIME BETWEEN REMOVAL OF EXISTING AND INSTALLATION OF PROPOSED APRONS TO BE LIMITED TO MINIMIZED IMPACT TO BUSINESSES.

STAGE 1 GENERAL TRAFFIC CONTROL NOTES

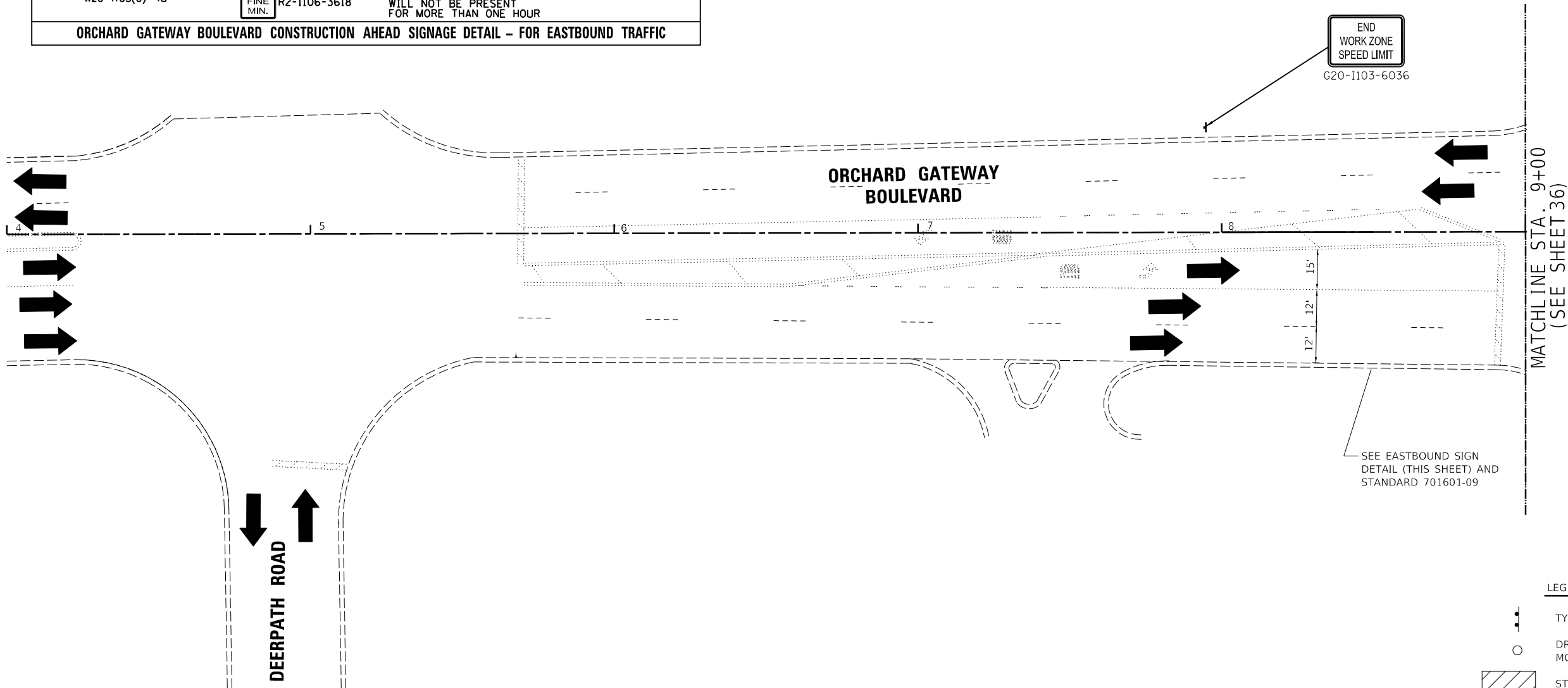
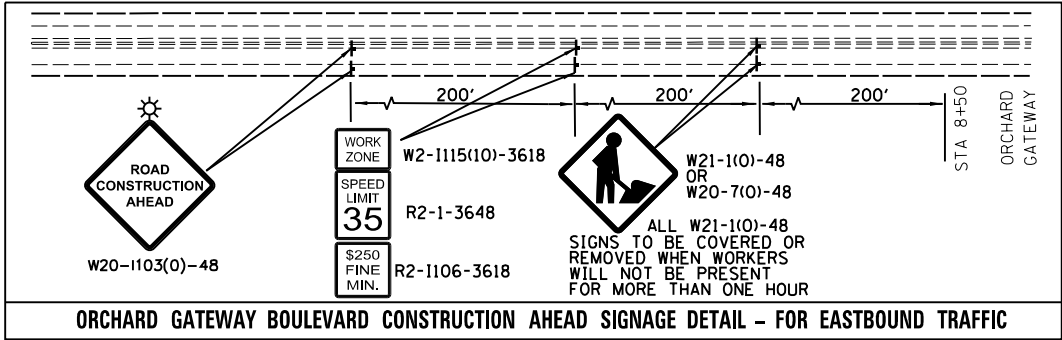
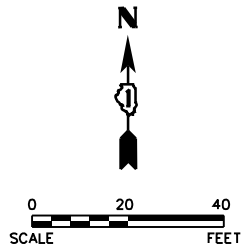
1. THE CONTRACTOR SHALL NOT LEAVE A DROP OFF GREATER THAN 3 INCHES BETWEEN THE TRAVELED WAY AND TRENCHED WORK AREA OVERNIGHT.
2. ANY TEMPORARY STONE REQUIRED IS CONSIDERED INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

STAGING LEGEND

- CONSTRUCTION DURING STAGE
- TRAFFIC CONTROL DEVICE (BARREL) WITH STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT MARKING LINE, 4" - TYPE IV TAPE, WHITE
- TEMPORARY PAVEMENT MARKING LINE, 6" - TYPE IV TAPE, WHITE
- EXISTING PAVEMENT MARKING LINE, 6" WHITE (TO REMAIN)
- EXISTING PAVEMENT MARKING LINE, 4" YELLOW (TO REMAIN)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	34
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



LEGEND:

- TYPE III BARRICADE
- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- STAGE WORK ZONE
- DIRECTION OF TRAVEL

NOTES:
ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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PLOT DATE = 2/19/2025 2:16:34 PM
MODEL PLAN01
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NORTH AURORA, IL 60542

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

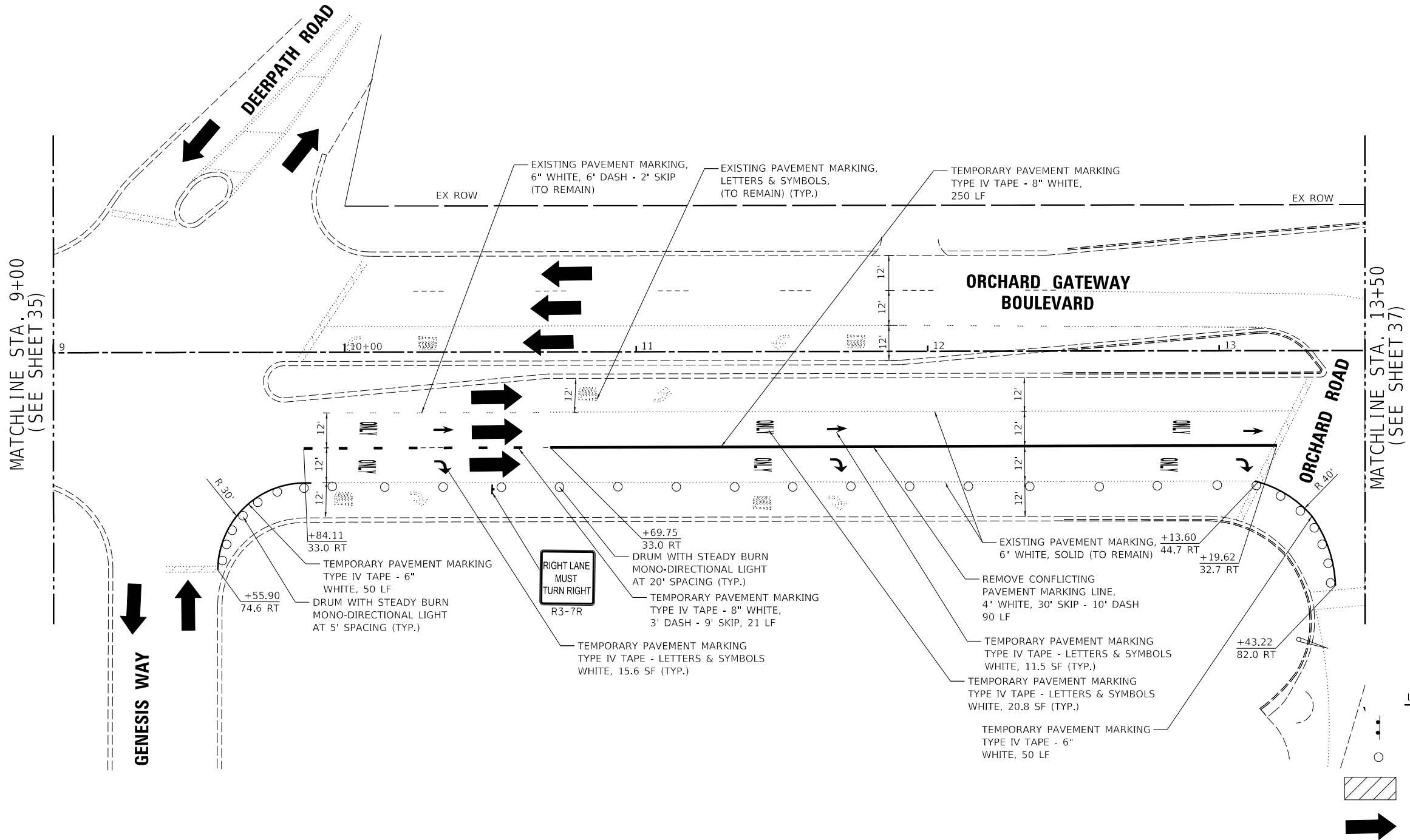
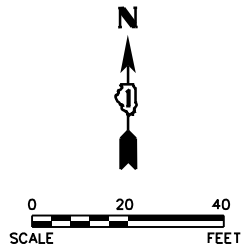
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 1

SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 4+00 TO STA. 9+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	35
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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VILLAGE OF NORTH AURORA
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NORTH AURORA, IL 60542

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

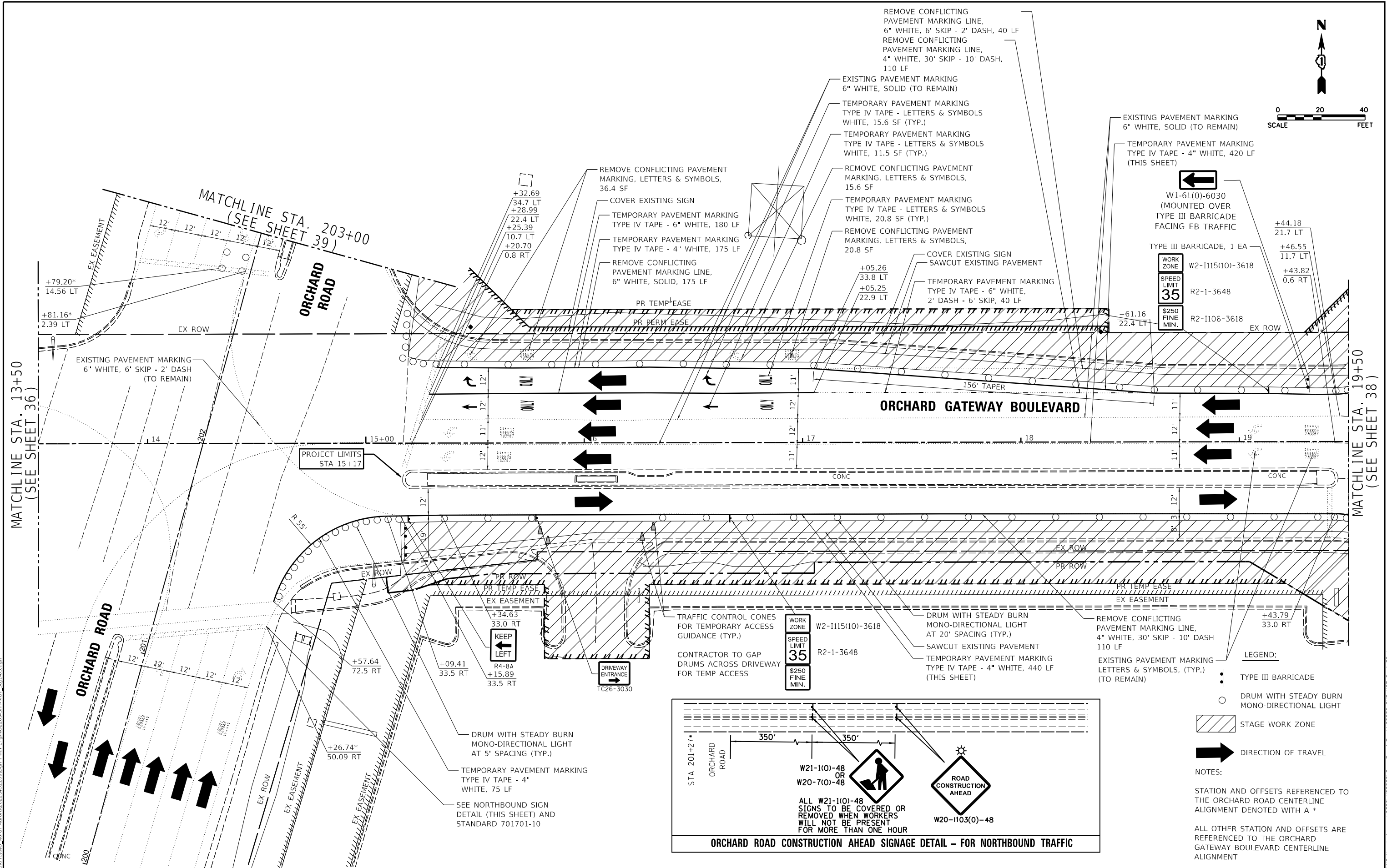
ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 1

SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 9+00 TO STA. 13+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	36
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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VILLAGE OF NORTH AURORA
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NORTH AURORA, IL 60542

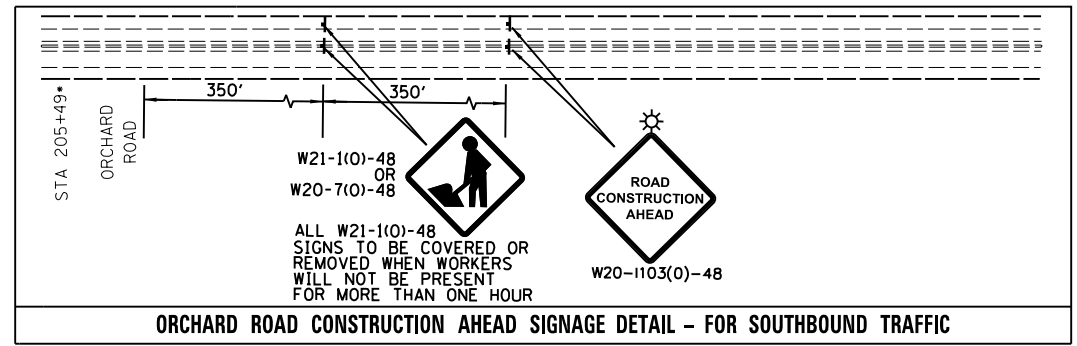
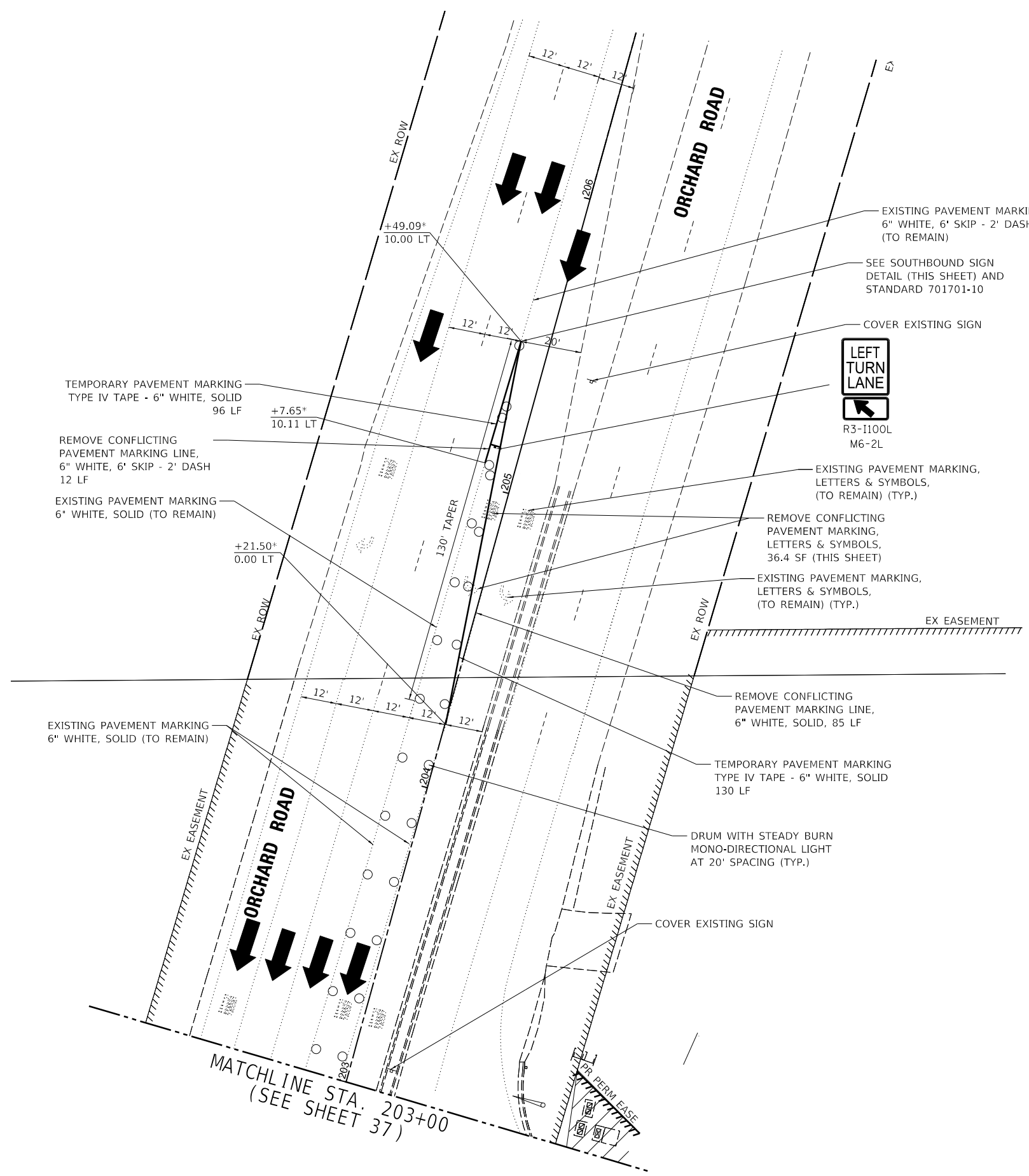
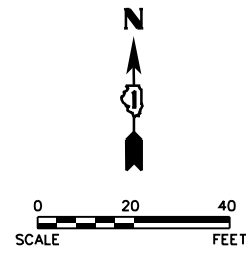
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 1

SCALE: 1" = 20' SHEET 3 OF 5 SHEETS STA. 13+50 TO STA. 19+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	37
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



- LEGEND:
- TYPE III BARRICADE
 - DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - STAGE WORK ZONE
 - DIRECTION OF TRAVEL

NOTES:

STATION AND OFFSETS REFERENCED TO THE ORCHARD ROAD CENTERLINE ALIGNMENT DENOTED WITH A *

ALL OTHER STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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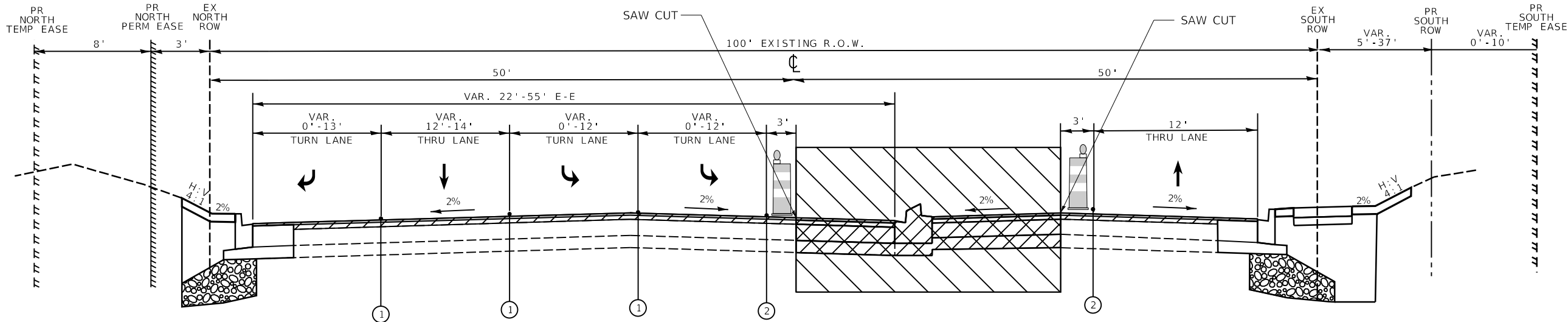
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 1

SCALE: 1" = 20' SHEET 5 OF 5 SHEETS STA. 203+00 TO STA. 206+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	39
CONTRACT NO. 61L39				

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MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 2
ORCHARD GATEWAY BOULEVARD
STATION 15+17 TO 23+50

PRE-STAGE 2 SUGGESTED CONSTRUCTION SEQUENCE

1. REMOVE EXISTING AND STAGE 1 CONFLICTING ORCHARD GATEWAY BOULEVARD, ORCHARD ROAD, AND HANSEN BOULEVARD PAVEMENT MARKINGS.
2. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND TAPE IN ANTICIPATION FOR STAGE 2 WORK.
3. COVER CONFLICTING TRAFFIC SIGNAGE ALONG ORCHARD GATEWAY BOULEVARD, ORCHARD ROAD, AND HANSEN BOULEVARD.

STAGE 2 SUGGESTED CONSTRUCTION SEQUENCE

1. SAW CUT EXISTING PAVEMENT VARYING DISTANCE FROM CURB MEDIAN EDGES.
2. REMOVE PAVEMENT BETWEEN SAW CUT AND MEDIAN.
3. REMOVE CURB AND GUTTER ADJACENT TO MEDIAN.
4. REMOVE EXISTING STORM SEWER STRUCTURES AND PIPES.
5. INSTALL PROPOSED STORM SEWER STRUCTURES AND PIPES.
6. PLACE TRENCH BACKFILL AND POROUS GRANULAR EMBANKMENT.
7. PLACE GEOTEXTILE FABRIC AND AGGREGATE SUBGRADE IMPROVEMENT, 12-INCH.
8. INSTALL CONCRETE CURB AND GUTTER.
9. INSTALL CONCRETE MEDIAN.
10. PAVE HMA BASE COURSE, 9.75-INCH.
11. INSTALL TRAFFIC SIGNAL EQUIPMENT AT HANSEN BOULEVARD.

STAGE 2 GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL NOT LEAVE A DROP OFF GREATER THAN 3 INCHES BETWEEN THE TRAVELED WAY AND TRENCHED WORK AREA OVERNIGHT.
2. ANY TEMPORARY STONE REQUIRED IS CONSIDERED INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

POST-STAGE 2 SUGGESTED CONSTRUCTION SEQUENCE
DAYTIME MOVING OPERATIONS FROM ORCHARD ROAD TO RANDALL ROAD

1. MILL EXISTING HMA PAVEMENT, VARIABLE DEPTH.
2. PLACE SHORT TERM PAVEMENT MARKINGS.
3. PERFORM PATCHING OPERATIONS, AS NEEDED.
4. PAVE POLYMERIZED HMA BINDER COURSE, 0.75-INCH
5. PLACE SHORT TERM PAVEMENT MARKINGS.
6. PAVE HMA SURFACE COURSE, 2-INCH.
7. PLACE SHORT TERM PAVEMENT MARKINGS.
8. INSTALL FINAL PAVEMENT MARKINGS AND SIGNAGE ON ORCHARD GATEWAY BOULEVARD, HANSEN BOULEVARD, AND ORCHARD ROAD.
9. REMOVE COVERS FROM CONFLICTING SIGNALS AND SIGNAGE.
10. LANDSCAPE DISTURBED PARKWAYS AND MEDIAN.

STAGING LEGEND

- CONSTRUCTION DURING STAGE
- TRAFFIC CONTROL DEVICE (BARREL) WITH STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT MARKING LINE, 6" - TYPE IV TAPE, WHITE
- TEMPORARY PAVEMENT MARKING LINE, 4" - TYPE IV TAPE, YELLOW

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VILLAGE OF NORTH AURORA
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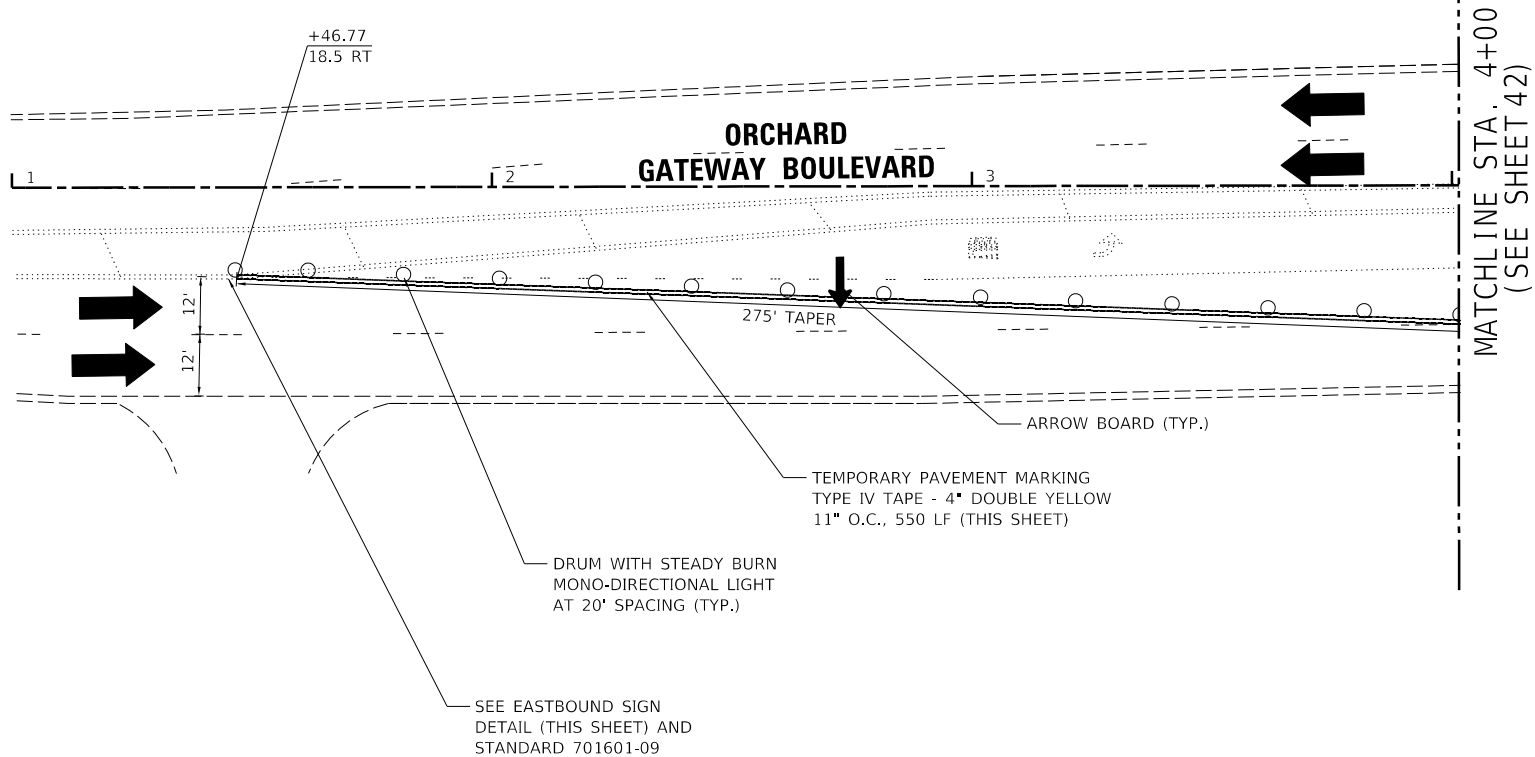
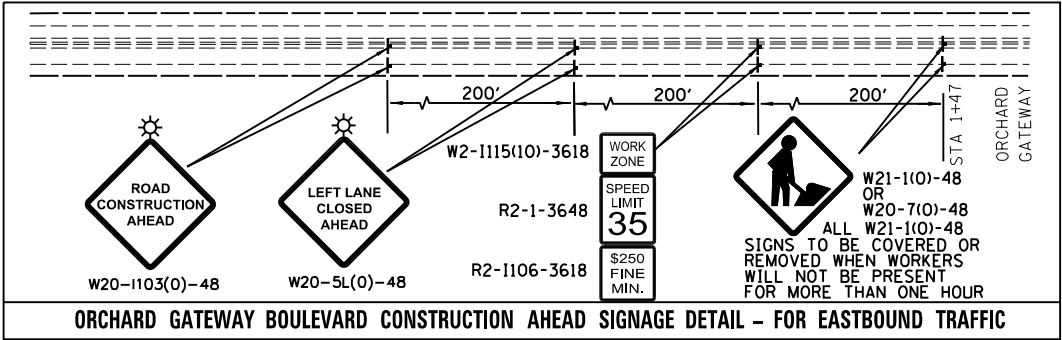
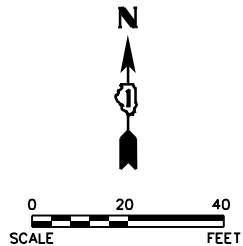
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CONSTRUCTION STAGING TYPICAL SECTION - STAGE 2

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	40
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



LEGEND:

- TYPE III BARRICADE
- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- STAGE WORK ZONE
- DIRECTION OF TRAVEL

NOTES:
ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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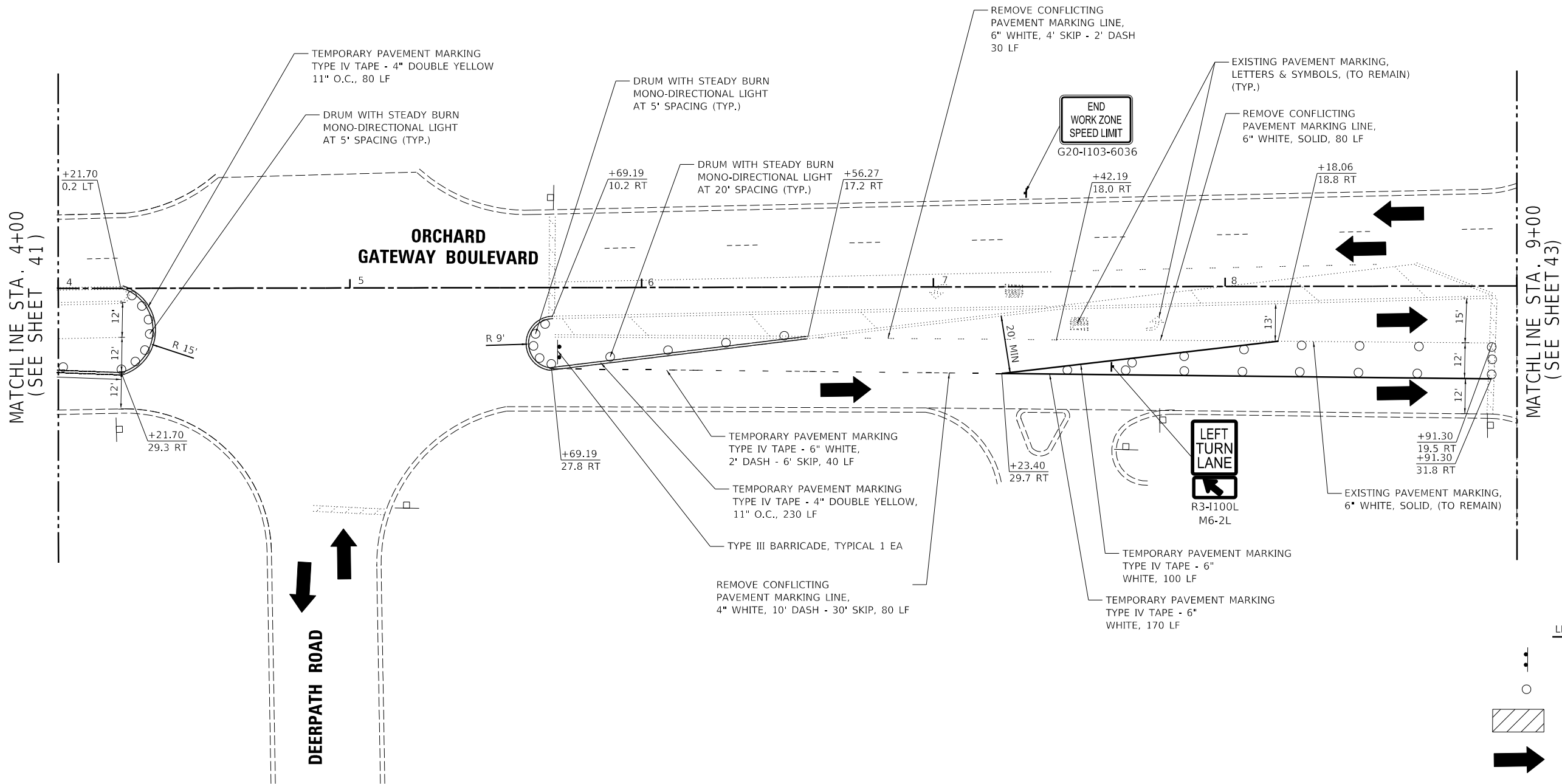
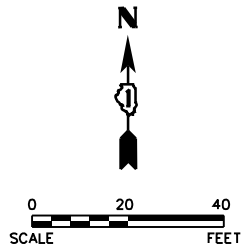
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ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2

SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. 1+00 TO STA. 4+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	41
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



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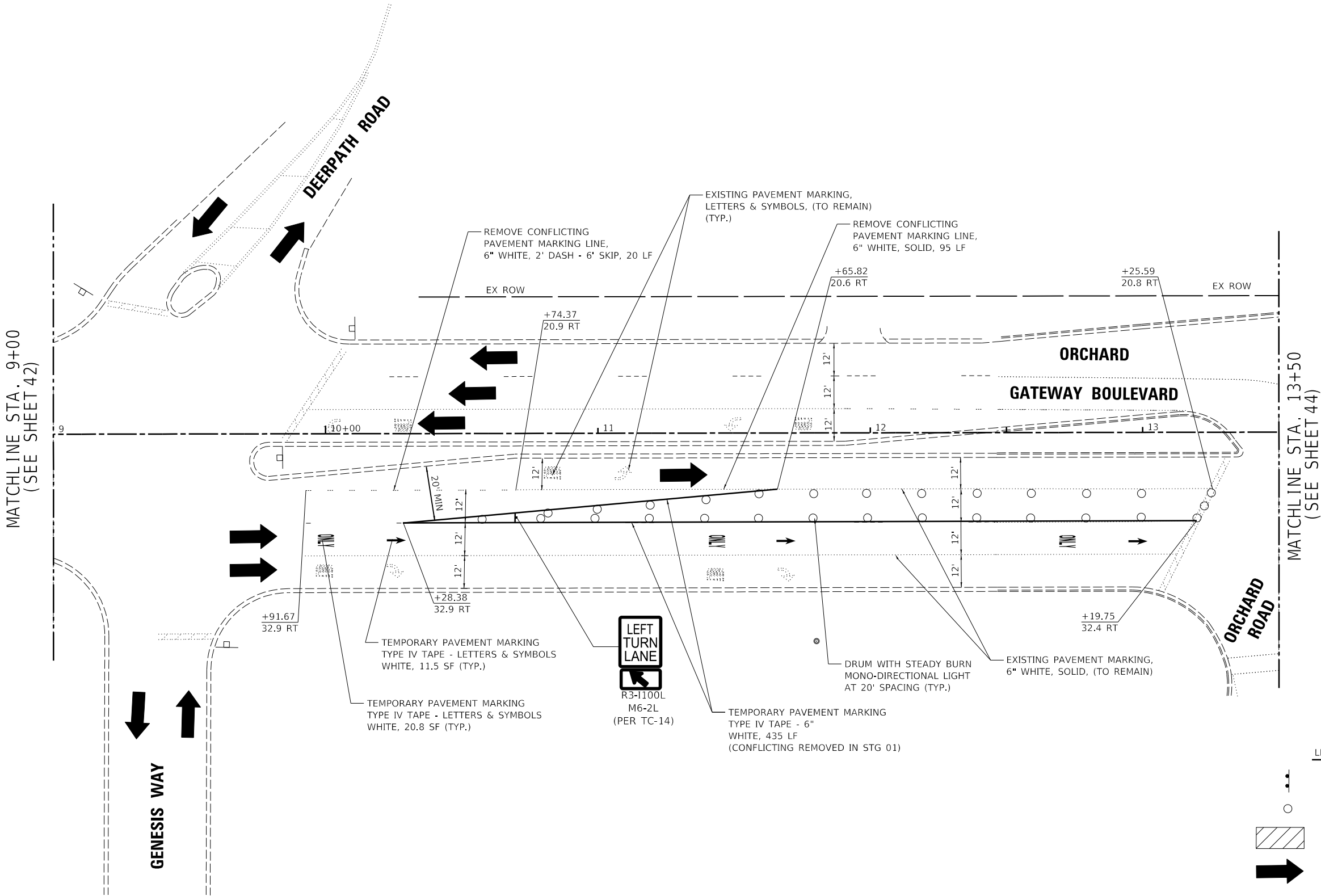
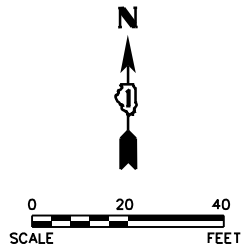
- TYPE III BARRICADE
- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- STAGE WORK ZONE
- DIRECTION OF TRAVEL

NOTES:
ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2				F.A.U. RTE. 0054	SECTION 21-00057-00-CH	COUNTY KANE	TOTAL SHEETS 118	SHEET NO. 42
	SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 4+00 TO STA. 9+00				CONTRACT NO. 61L39								
					ILLINOIS FED. AID PROJECT								

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LEGEND:

- TYPE III BARRICADE
- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- STAGE WORK ZONE
- DIRECTION OF TRAVEL

NOTES:
ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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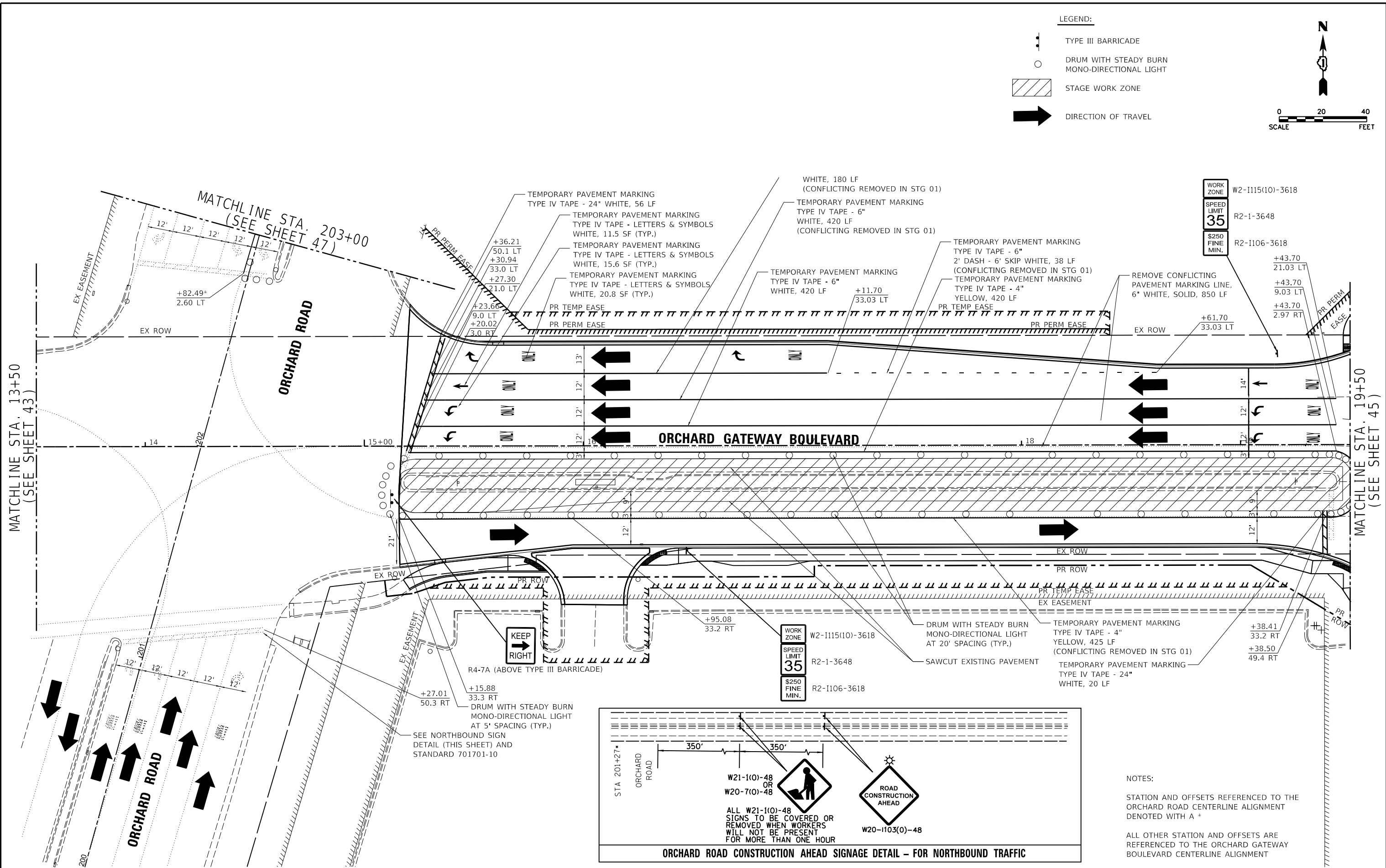
ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2

SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. 9+00 TO STA. 13+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	43
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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NOTES:

STATION AND OFFSETS REFERENCED TO THE ORCHARD ROAD CENTERLINE ALIGNMENT DENOTED WITH A *

ALL OTHER STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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MATCHLINE STA. 19+50
(SEE SHEET 44)

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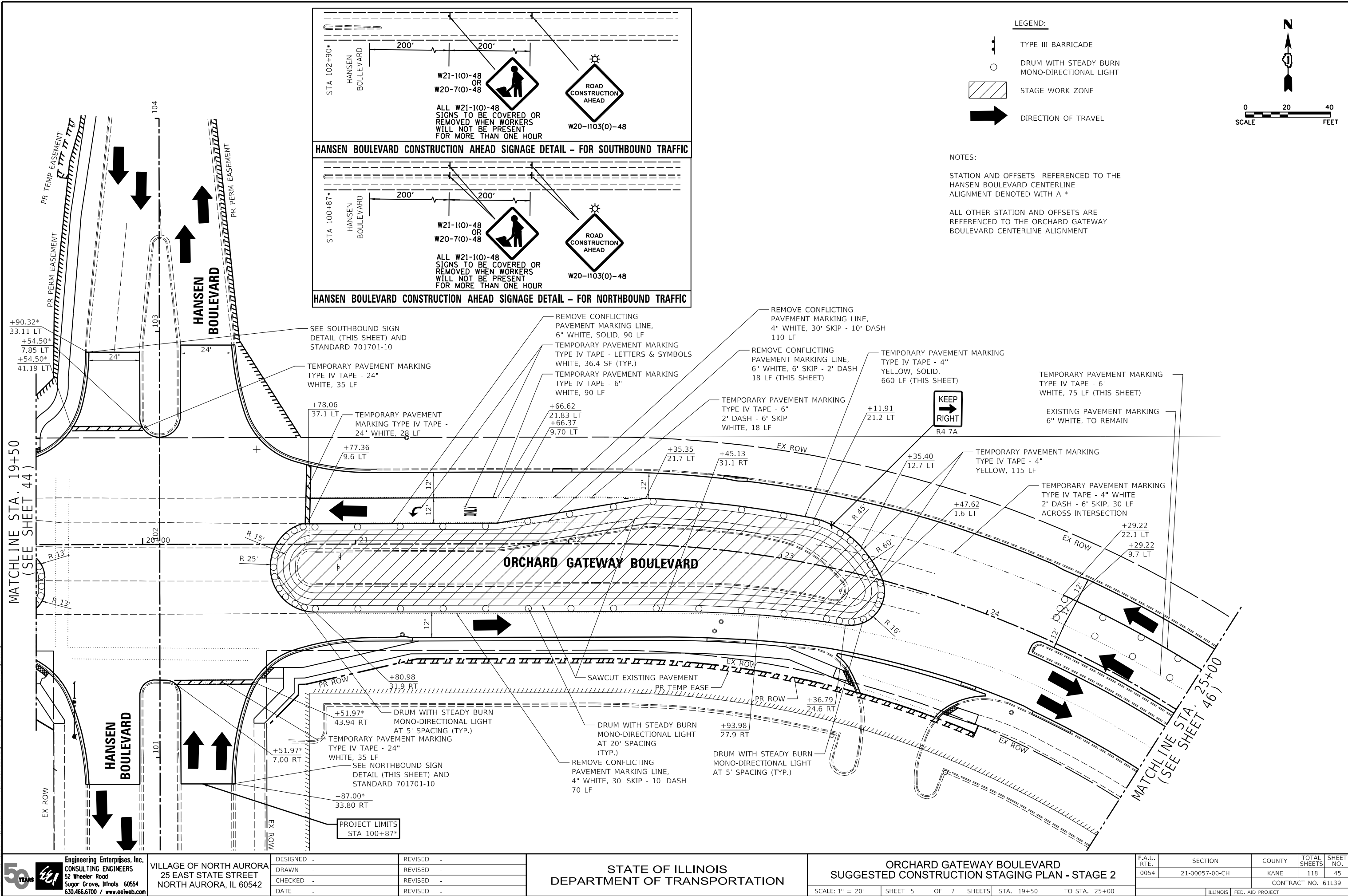
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2

SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. 19+50 TO STA. 25+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	45
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



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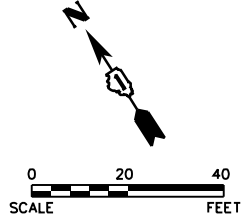
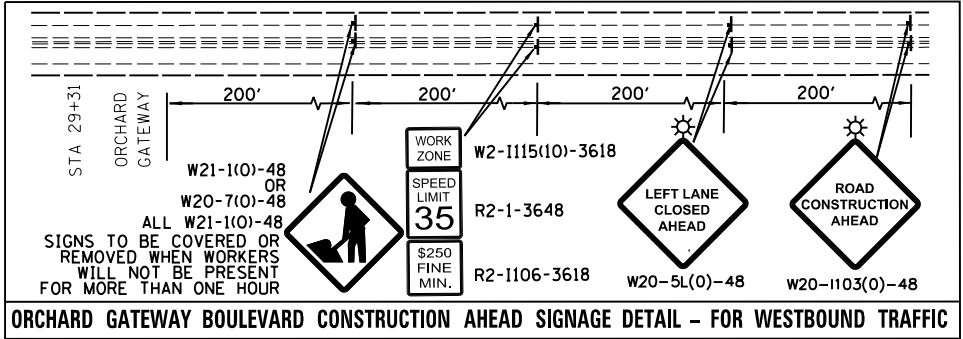
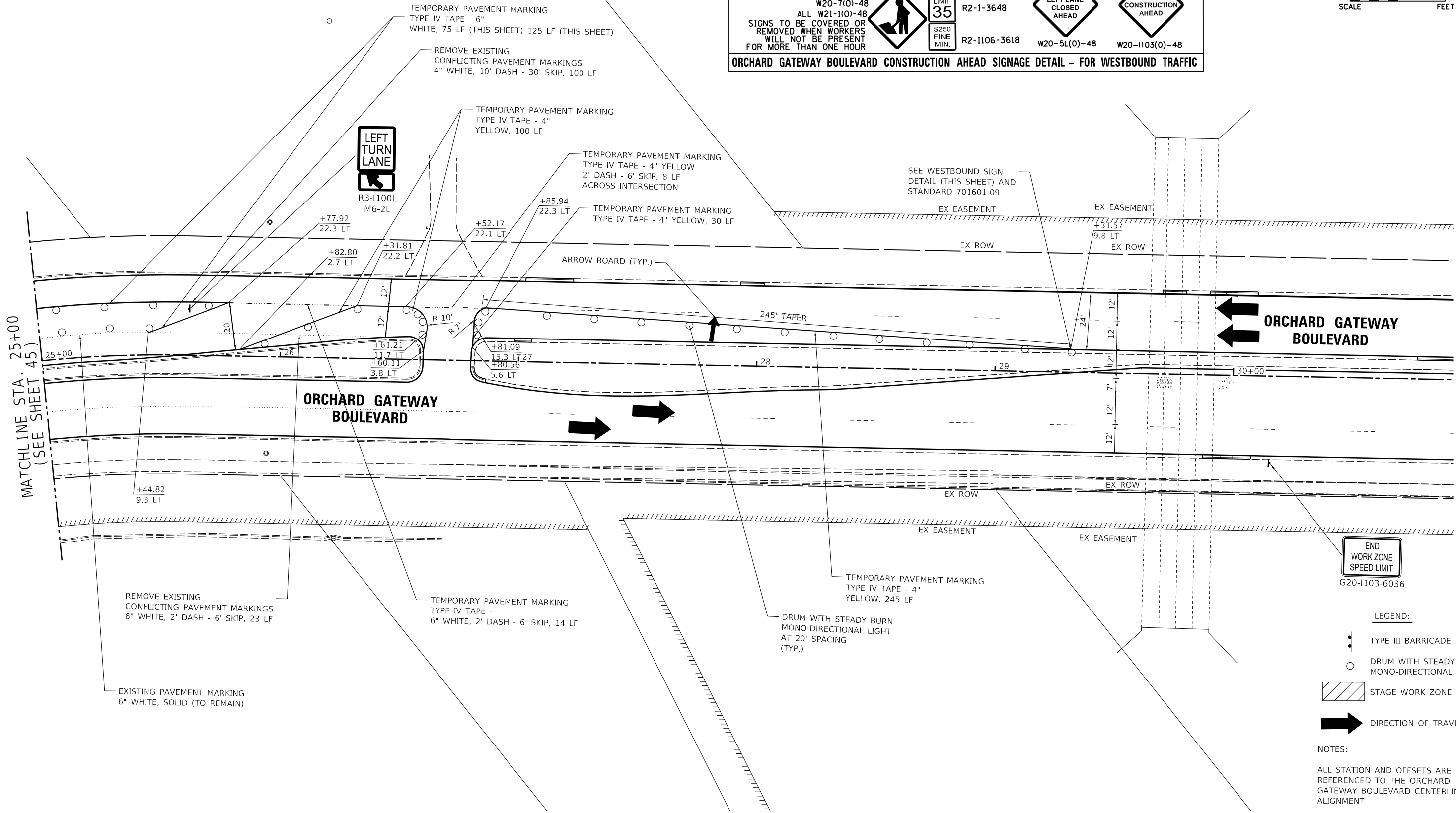
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2

SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. 25+00 TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	46
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



- LEGEND:
- TYPE III BARRICADE
 - DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - STAGE WORK ZONE
 - DIRECTION OF TRAVEL
- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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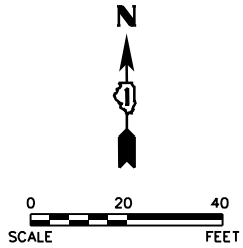
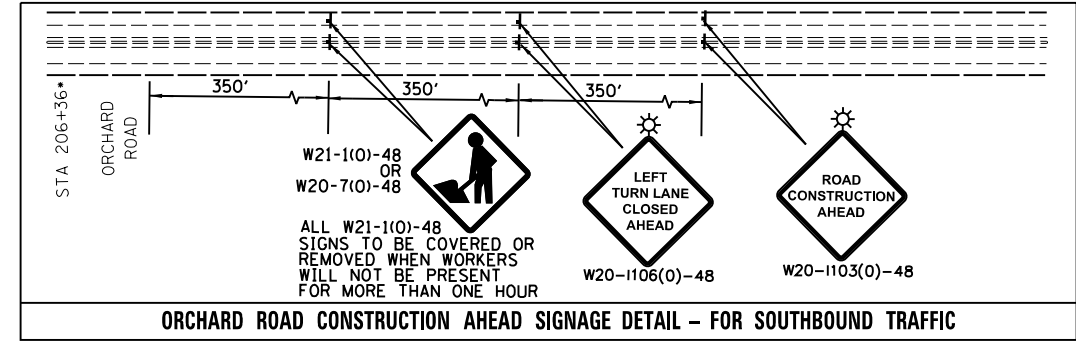
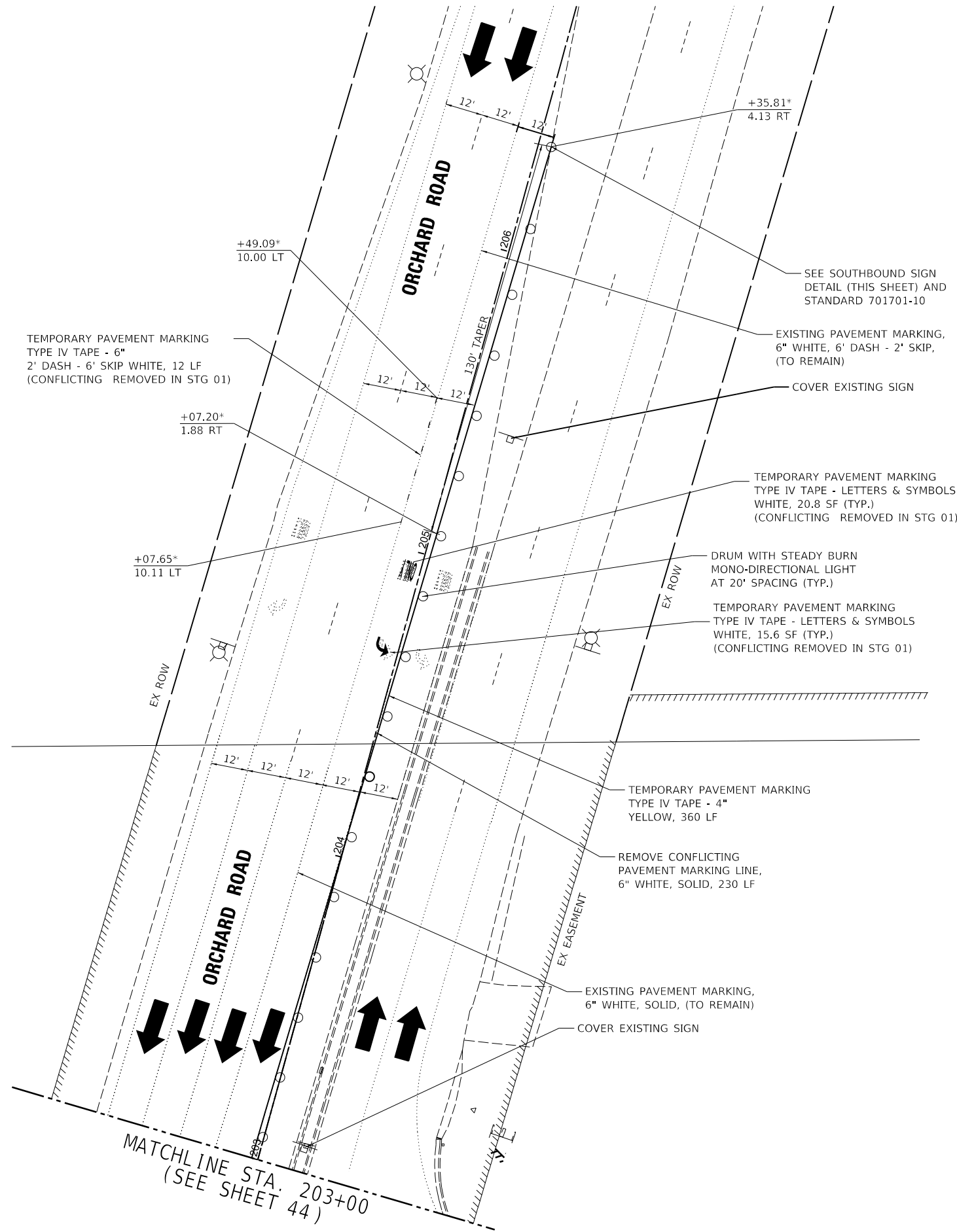
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2

SCALE: 1" = 20' SHEET 7 OF 7 SHEETS STA. 203+00 TO STA. 207+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	47
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



LEGEND:

- TYPE III BARRICADE
- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- STAGE WORK ZONE
- DIRECTION OF TRAVEL

NOTES:

STATION AND OFFSETS REFERENCED TO THE ORCHARD ROAD CENTERLINE ALIGNMENT DENOTED WITH A *

ALL OTHER STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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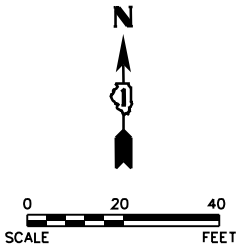
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ORCHARD GATEWAY
BOULEVARD

ORCHARD ROAD

ORCHARD GATEWAY BOULEVARD

MATCHLINE STA. 18+50
(SEE BELOW)



MATCHLINE STA. 102+75
(SEE SHEET NO. 55)

HANSEN
BOULEVARD

INTENDED SEQUENCE OF STORMWATER MANAGEMENT AND SEDIMENT CONTROL MEASURES

1. INSTALL INLET FILTERS
2. INSTALL PERIMETER EROSION BARRIER
3. INSTALL EROSION CONTROL BLANKET/TEMPORARY SEEDING
4. INSTALL PERMANANT SEEDING
5. REMOVE INLET FILTERS AND PERIMETER EROSION BARRIER

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTER
- TOPSOIL, F&P, 6", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING
- TOPSOIL, F&P, 24", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING

NOTES:

1. ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
2. SEEDING, CLASS 2A SHALL BE APPLIED AT THE RATE AND DURING THE TIMES SPECIFIED IN ARTICLE 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

STORM STRUCTURE PROTECTION SCHEDULE			
STRUCTURE	NO.	STATION	OFFSET
CATCH BASIN	1	15+13.8	60.3 RT
CATCH BASIN	2	16+24.1	46.7 LT
CATCH BASIN	3	16+24.9	61.2 RT
CATCH BASIN	4	16+25.6	9.2 RT
CATCH BASIN	5	16+25.9	17.4 RT
CATCH BASIN	6	16+27.2	45.8 RT
CATCH BASIN	7	16+35.8	16.7 RT
CATCH BASIN	8	17+83.5	46.0 RT
INLET	1	16+33.0	46.6 LT
INLET	2	16+35.6	9.4 RT
INLET	3	16+37.3	45.7 RT
INLET	4	17+83.6	9.3 RT
INLET	5	22+75.1	34.5 LT
INLET	6	22+77.8	42.2RT

ORCHARD GATEWAY BOULEVARD

MATCHLINE STA. 23+50
(SEE SHEET NO. 49)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 1 OF 8 SHEETS STA. 15+17 TO STA. 23+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	48
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 18+50
(SEE ABOVE)

ORCHARD GATEWAY
BOULEVARD

HANSEN
BOULEVARD

PR PERM EASE
+32.59
52.2 LT
+26.41
49.5 LT
+26.41
48.6 LT

PR TEMP EASE

+21.23
64.9 RT
+58.13
87.1 RT

+63.38
84.0 RT
+71.05
112.6 RT

+35.50
52.1 LT

2000

101

HANSEN
BOULEVARD

PR PERM EASE
+74.75
49.6 LT
+83.40
45.1 LT
+71.54
10.7 RT
+36.62
35.3 LT

+72.70
65.5 RT
+72.63
70.7 RT
+57.39
86.1 RT
+48.72
84.0 RT
+45.41
112.5 RT

+19.96
55.4 RT

+75.18
65.6 RT

PR TEMP EASEMENT

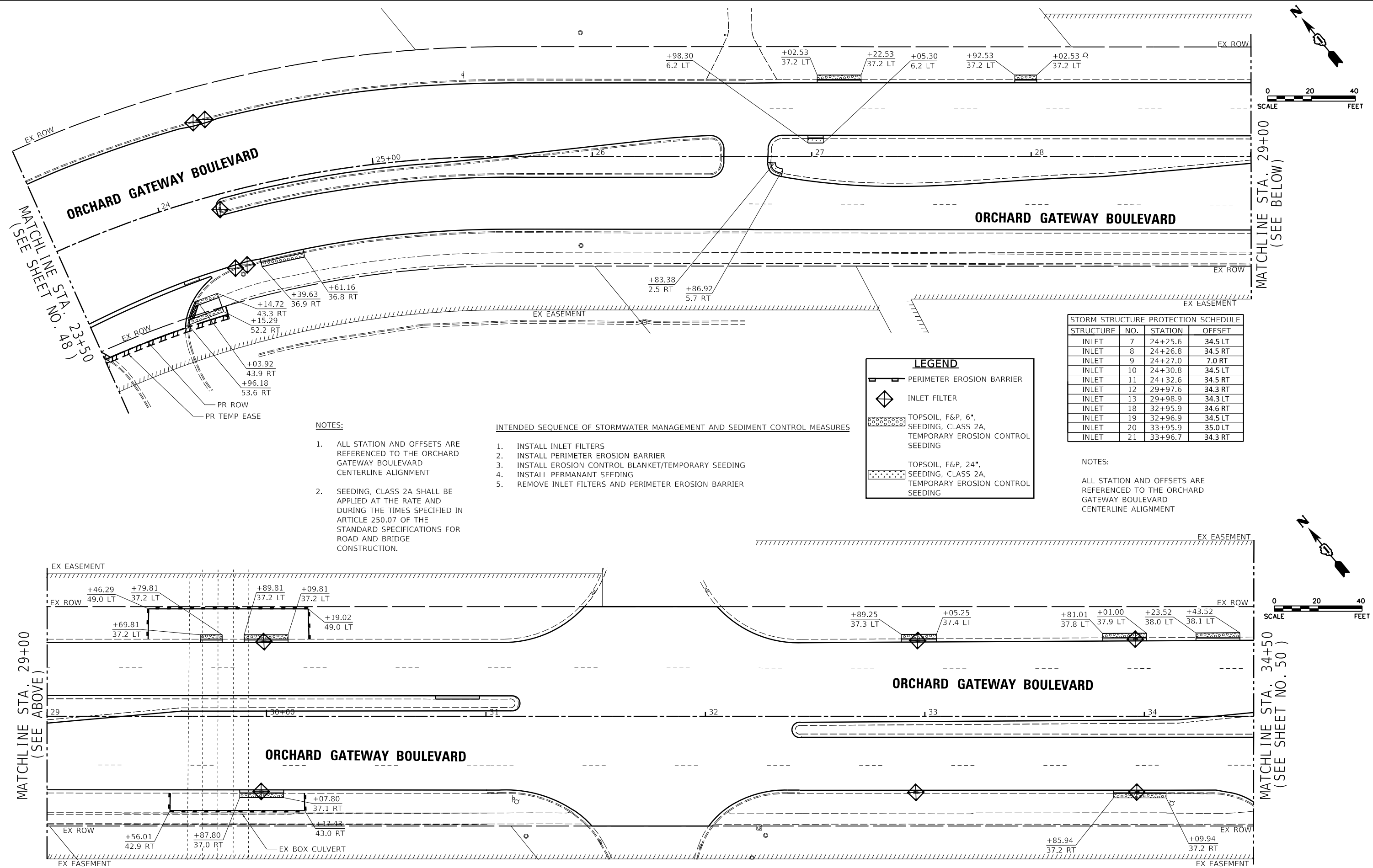
PR ROW

+09.78
40.5 RT

+43.13
45.8 RT
+51.98
55.7 RT

MATCHLINE STA. 23+50
(SEE SHEET NO. 49)

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MATCHLINE STA. 29+00
(SEE ABOVE)

MATCHLINE STA. 34+50
(SEE SHEET NO. 50)

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 2 OF 8 SHEETS STA. 23+50 TO STA. 34+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	49
CONTRACT NO. 61L39				

ILLINOIS FED. AID PROJECT

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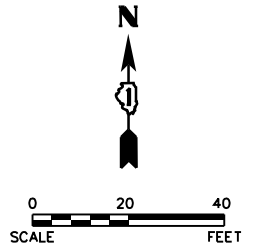
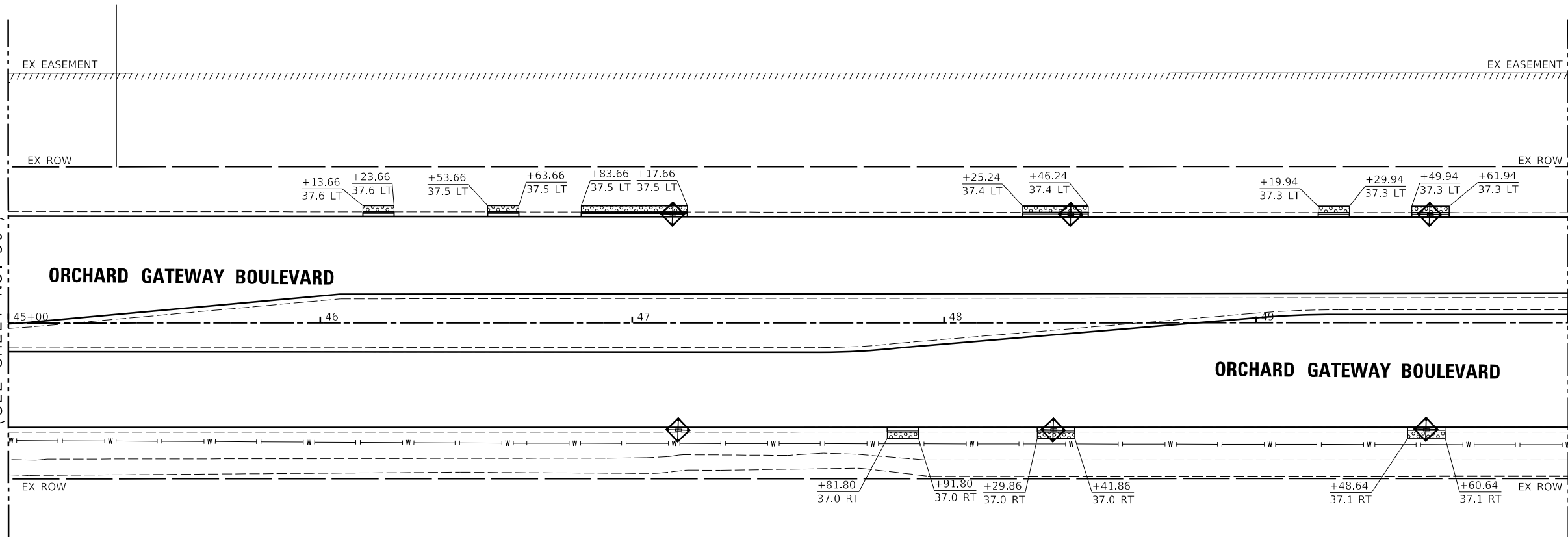
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 4 OF 8 SHEETS STA. 45+00 TO STA. 55+00

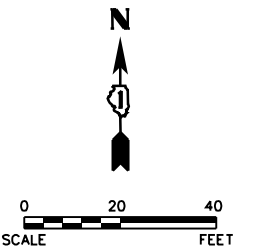
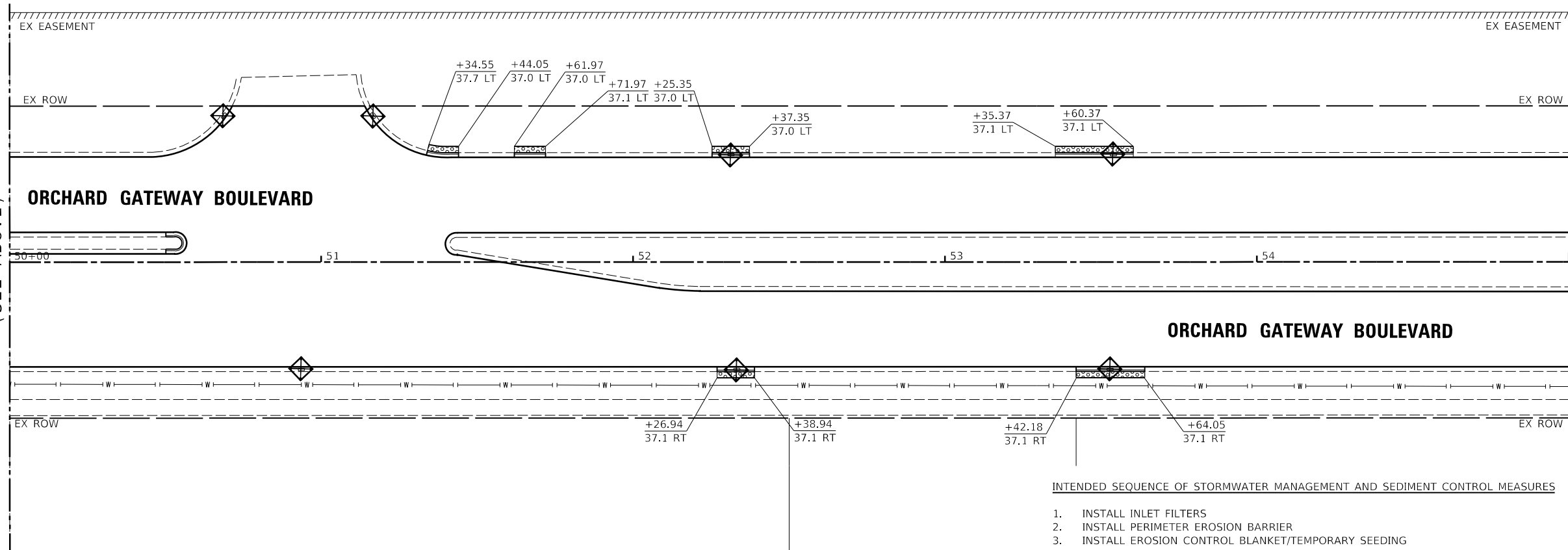
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	51
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 45+00
(SEE SHEET NO. 50)



LEGEND	
	PERIMETER EROSION BARRIER
	INLET FILTER
	TOPSOIL, F&P, 6", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING
	TOPSOIL, F&P, 24", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING

MATCHLINE STA. 50+00
(SEE ABOVE)



NOTES:

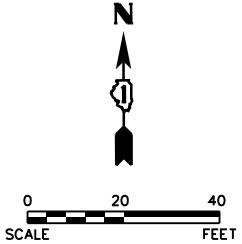
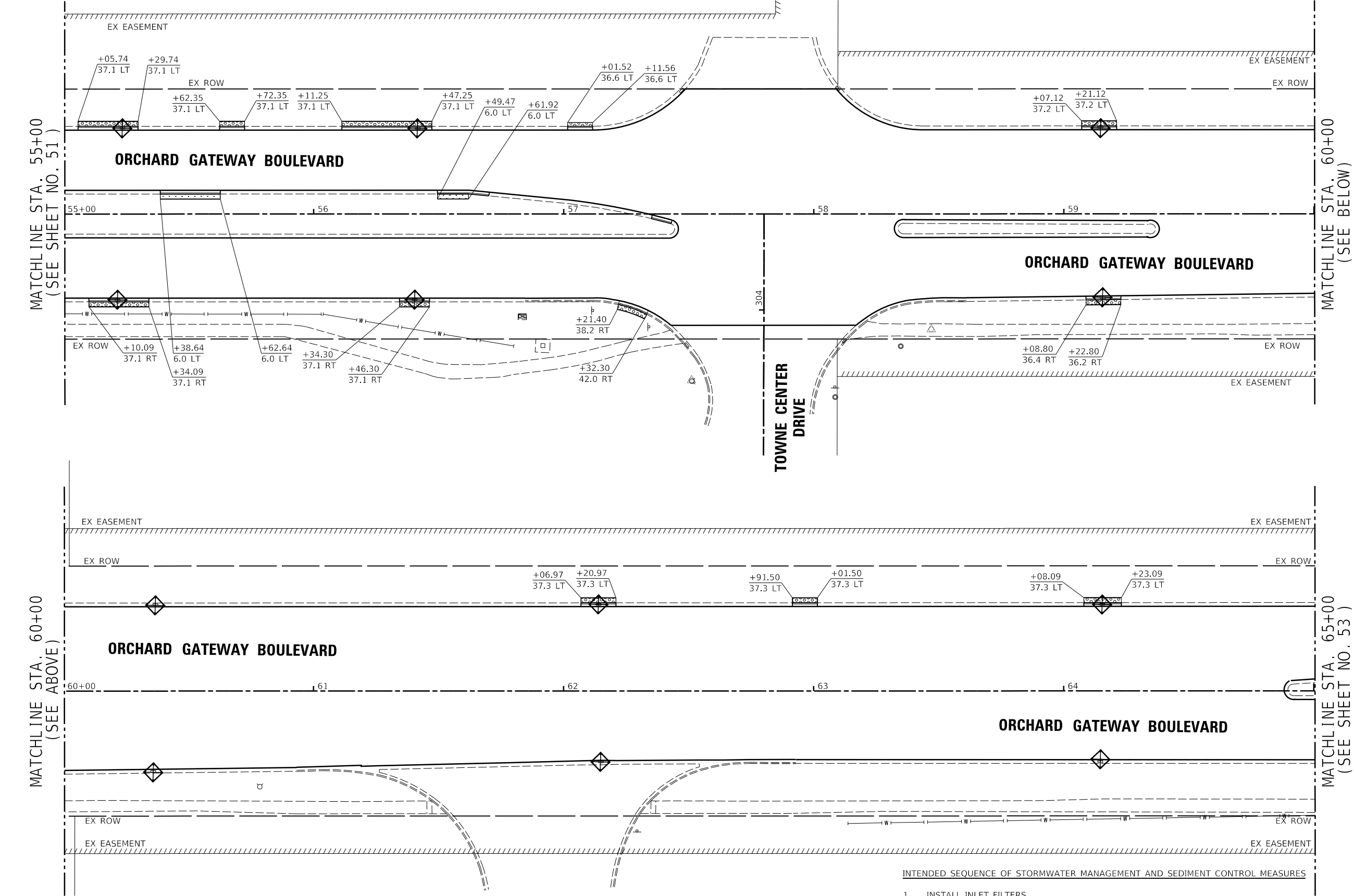
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
- SEEDING, CLASS 2A SHALL BE APPLIED AT THE RATE AND DURING THE TIMES SPECIFIED IN ARTICLE 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

STORM STRUCTURE PROTECTION SCHEDULE			
STRUCTURE	NO.	STATION	OFFSET
INLET	41	47+13.0	34.5 LT
INLET	42	47+14.8	34.1 RT
INLET	43	48+35.2	34.1 RT
INLET	44	48+40.6	34.6 LT
INLET	45	49+54.6	34.2 RT
INLET	46	49+55.9	34.5 LT
INLET	47	50+68.7	46.8 LT
INLET	48	50+93.6	34.2 RT
INLET	49	51+16.6	46.9 LT
INLET	50	52+31.4	34.0 LT
INLET	51	52+33.2	34.2 RT
INLET	52	53+53.0	34.2 RT
INLET	53	53+54.0	34.3 LT

INTENDED SEQUENCE OF STORMWATER MANAGEMENT AND SEDIMENT CONTROL MEASURES

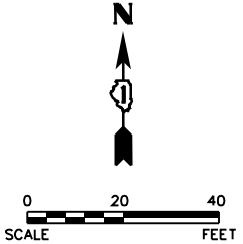
- INSTALL INLET FILTERS
- INSTALL PERIMETER EROSION BARRIER
- INSTALL EROSION CONTROL BLANKET/TEMPORARY SEEDING
- INSTALL PERMANENT SEEDING
- REMOVE INLET FILTERS AND PERIMETER EROSION BARRIER

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PLOT DATE = 10/19/2023 3:46:11 PM
MODEL PLANS
FILE NAME: H:\SDS&P\MO North Aurora\2022\NO2209-Dgn Final Eng\NO2209-SHT-LANDSCP-EROS 05.dgn



LEGEND	
	PERIMETER EROSION BARRIER
	INLET FILTER
	TOPSOIL, F&P, 6", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING
	TOPSOIL, F&P, 24", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING

- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
 - SEEDING, CLASS 2A SHALL BE APPLIED AT THE RATE AND DURING THE TIMES SPECIFIED IN ARTICLE 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



STORM STRUCTURE PROTECTION SCHEDULE			
STRUCTURE	NO.	STATION	OFFSET
INLET	54	55+21.6	34.3 RT
INLET	55	55+23.6	34.3 LT
INLET	56	56+40.4	34.3 RT
INLET	57	56+41.7	34.3 LT
INLET	62	59+14.6	34.2 LT
INLET	63	59+15.5	33.4 RT
INLET	64	60+36.0	32.6 RT
INLET	65	60+36.8	34.2 LT
INLET	66	62+13.9	34.6 LT
INLET	67	62+15.0	28.4 RT
INLET	68	64+14.7	27.4 RT
INLET	69	64+15.5	34.5 LT

INTENDED SEQUENCE OF STORMWATER MANAGEMENT AND SEDIMENT CONTROL MEASURES

- INSTALL INLET FILTERS
- INSTALL PERIMETER EROSION BARRIER
- INSTALL EROSION CONTROL BLANKET/TEMPORARY SEEDING
- INSTALL PERMANANT SEEDING
- REMOVE INLET FILTERS AND PERIMETER EROSION BARRIER



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DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 5 OF 8 SHEETS STA. 55+00 TO STA. 65+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	52
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 6 OF 8 SHEETS STA. 65+00 TO STA. 75+00

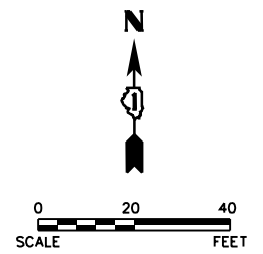
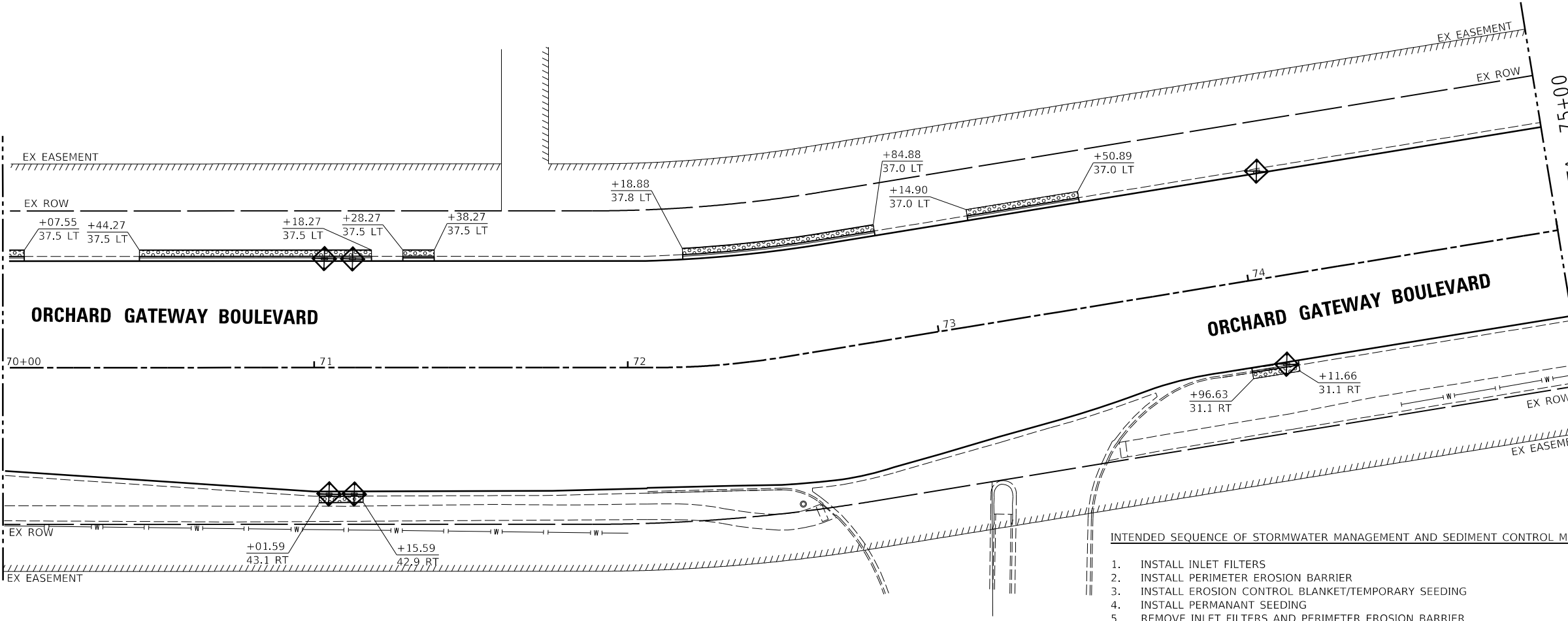
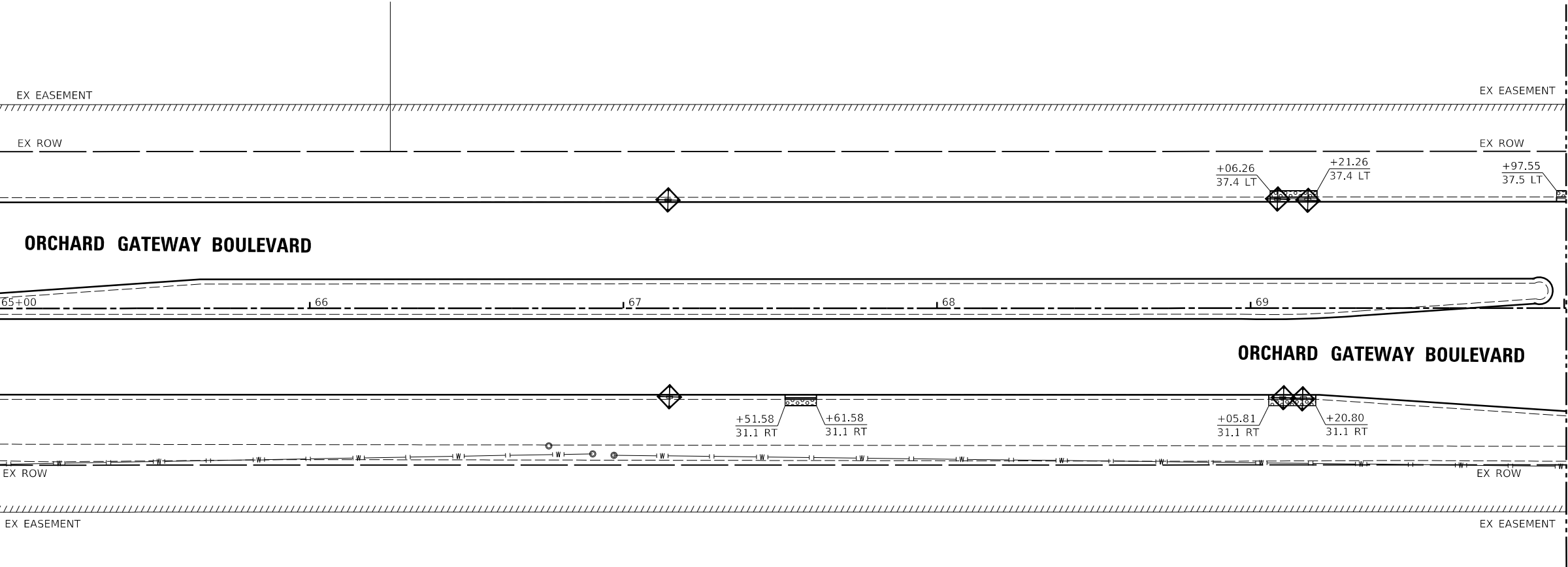
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	53
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 65+00
(SEE SHEET NO. 52)

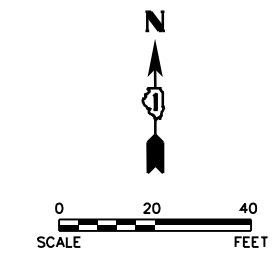
MATCHLINE STA. 70+00
(SEE BELOW)

MATCHLINE STA. 70+00
(SEE ABOVE)

MATCHLINE STA. 75+00
(SEE SHEET NO. 54)



LEGEND	
	PERIMETER EROSION BARRIER
	INLET FILTER
	TOPSOIL, F&P, 6", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING
	TOPSOIL, F&P, 24", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING



- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
 - SEEDING, CLASS 2A SHALL BE APPLIED AT THE RATE AND DURING THE TIMES SPECIFIED IN ARTICLE 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

STORM STRUCTURE PROTECTION SCHEDULE			
STRUCTURE	NO.	STATION	OFFSET
INLET	70	67+14.2	34.5 LT
INLET	71	67+14.7	28.3 RT
INLET	72	69+08.6	34.7 LT
INLET	73	69+10.2	28.6 RT
INLET	74	69+16.9	28.6 RT
INLET	75	69+18.2	34.7 LT
INLET	76	71+03.3	34.7 LT
INLET	77	71+04.7	40.4 RT
INLET	78	71+12.2	34.7 LT
INLET	79	71+12.7	40.4 RT
INLET	80	74+07.8	28.2 RT
INLET	81	74+08.3	34.0 LT

- INTENDED SEQUENCE OF STORMWATER MANAGEMENT AND SEDIMENT CONTROL MEASURES
- INSTALL INLET FILTERS
 - INSTALL PERIMETER EROSION BARRIER
 - INSTALL EROSION CONTROL BLANKET/TEMPORARY SEEDING
 - INSTALL PERMANANT SEEDING
 - REMOVE INLET FILTERS AND PERIMETER EROSION BARRIER

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NORTH AURORA, IL 60542

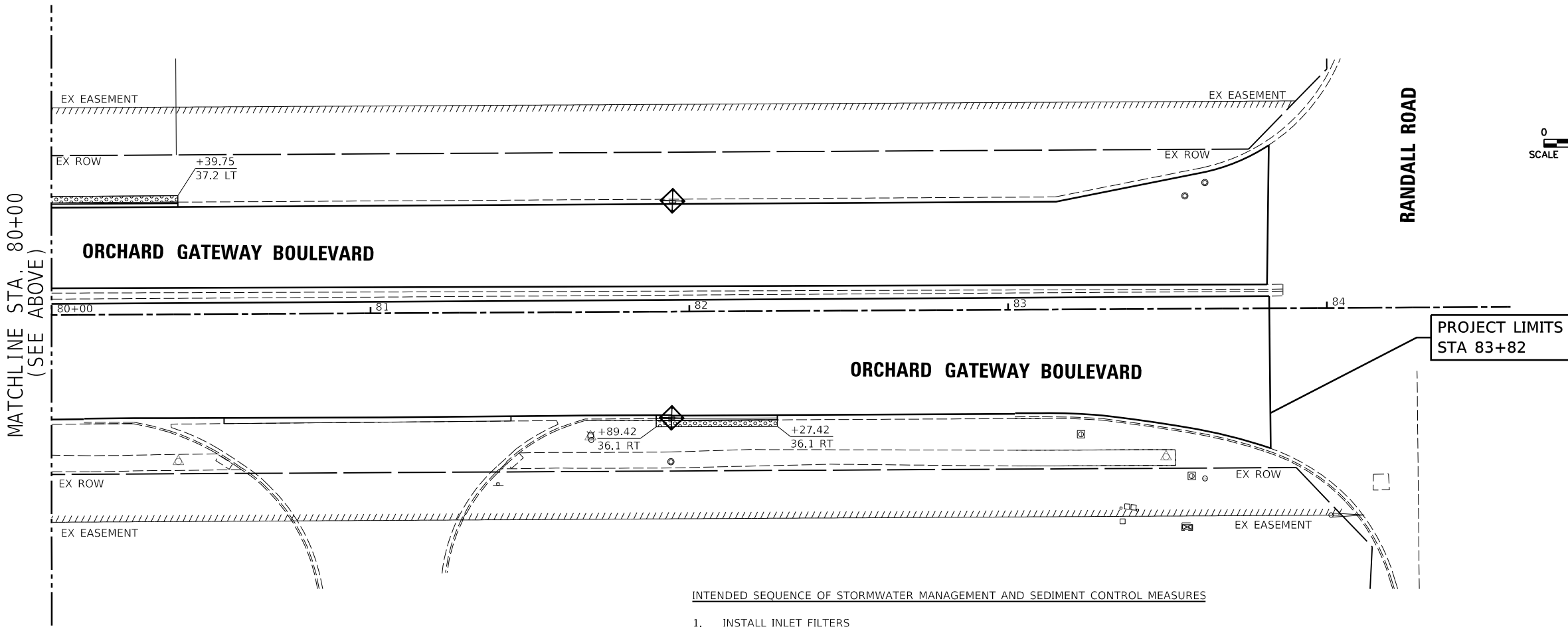
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 7 OF 8 SHEETS STA. 75+00 TO STA. 83+82

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	54
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



INTENDED SEQUENCE OF STORMWATER MANAGEMENT AND SEDIMENT CONTROL MEASURES

1. INSTALL INLET FILTERS
2. INSTALL PERIMETER EROSION BARRIER
3. INSTALL EROSION CONTROL BLANKET/TEMPORARY SEEDING
4. INSTALL PERMANANT SEEDING
5. REMOVE INLET FILTERS AND PERIMETER EROSION BARRIER

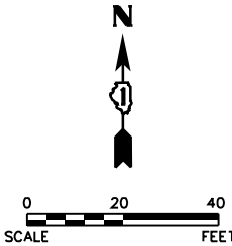
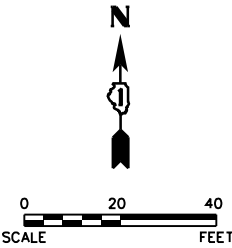
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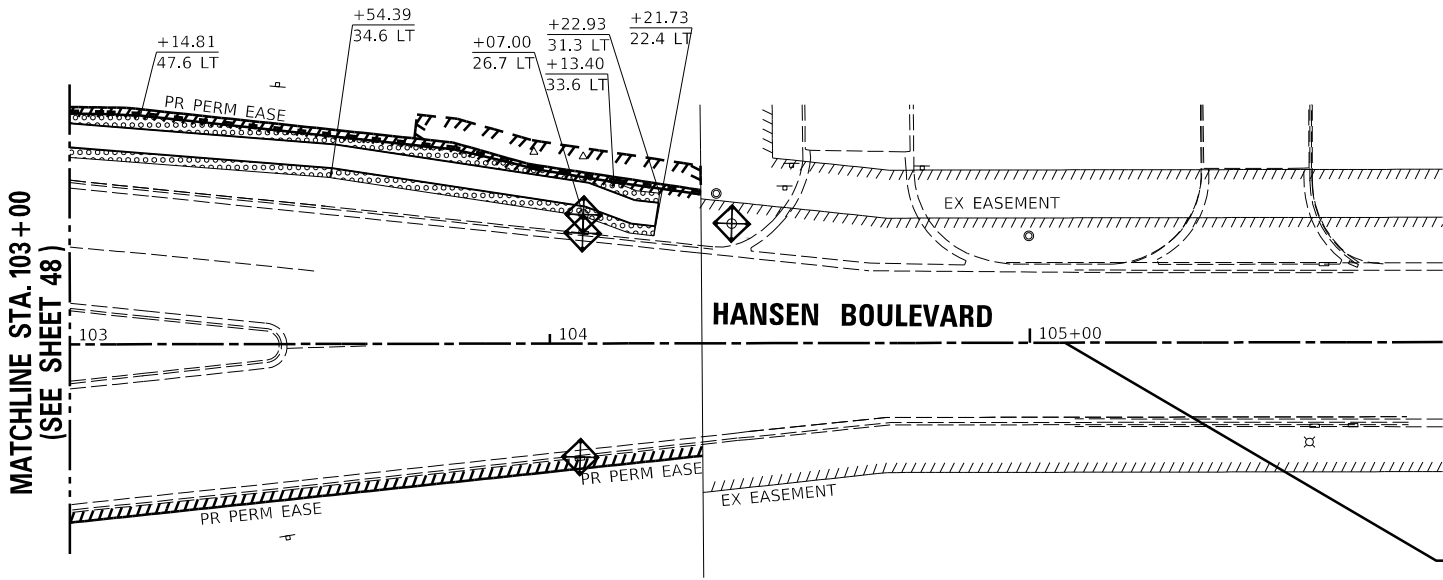
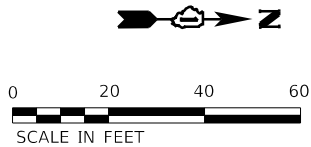
1. ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
2. SEEDING, CLASS 2A SHALL BE APPLIED AT THE RATE AND DURING THE TIMES SPECIFIED IN ARTICLE 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTER
- TOPSOIL, F&P, 6", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING
- TOPSOIL, F&P, 24", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING

STORM STRUCTURE PROTECTION SCHEDULE			
STRUCTURE	NO.	STATION	OFFSET
INLET	82	75+58.9	28.4 RT
INLET	83	75+66.4	28.4 RT
INLET	84	76+08.3	33.9 LT
INLET	85	78+06.6	34.4 LT
INLET	86	78+07.4	34.4 RT
INLET	87	81+94.2	33.4 RT
INLET	88	81+94.9	34.5 LT





- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE HANSEN BOULEVARD CENTERLINE ALIGNMENT
 - SEEDING, CLASS 2A SHALL BE APPLIED AT THE RATE AND DURING THE TIMES SPECIFIED IN ARTICLE 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTER
- TOPSOIL, F&P, 6", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING
- TOPSOIL, F&P, 24", SEEDING, CLASS 2A, TEMPORARY EROSION CONTROL SEEDING

- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE HANSEN BOULEVARD CENTERLINE ALIGNMENT

STORM STRUCTURE PROTECTION SCHEDULE			
STRUCTURE	NO.	STATION	OFFSET
INLET	89	104+06.3	23.6 RT
INLET	90	104+06.9	23.0 LT
CATCH BASIN	9	104+07.1	26.9 LT
CATCH BASIN	10	104+38.0	24.9 LT

INTENDED SEQUENCE OF STORMWATER MANAGEMENT AND SEDIMENT CONTROL MEASURES

- INSTALL INLET FILTERS
- INSTALL PERIMETER EROSION BARRIER
- INSTALL EROSION CONTROL BLANKET/TEMPORARY SEEDING
- INSTALL PERMANANT SEEDING
- REMOVE INLET FILTERS AND PERIMETER EROSION BARRIER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HANSEN BOULEVARD
LANDSCAPING AND EROSION CONTROL PLAN

SCALE: 1"=20' SHEET 8 OF 8 SHEETS STA. 103+00 TO STA. 105+09

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	55
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED PLOTTED GRADES CHECKED NOTE BOOK STRUCTURE NOTATION CHRG	BY	DATE

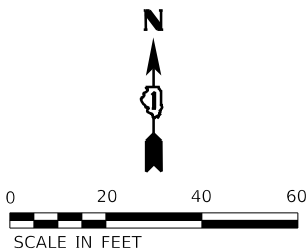
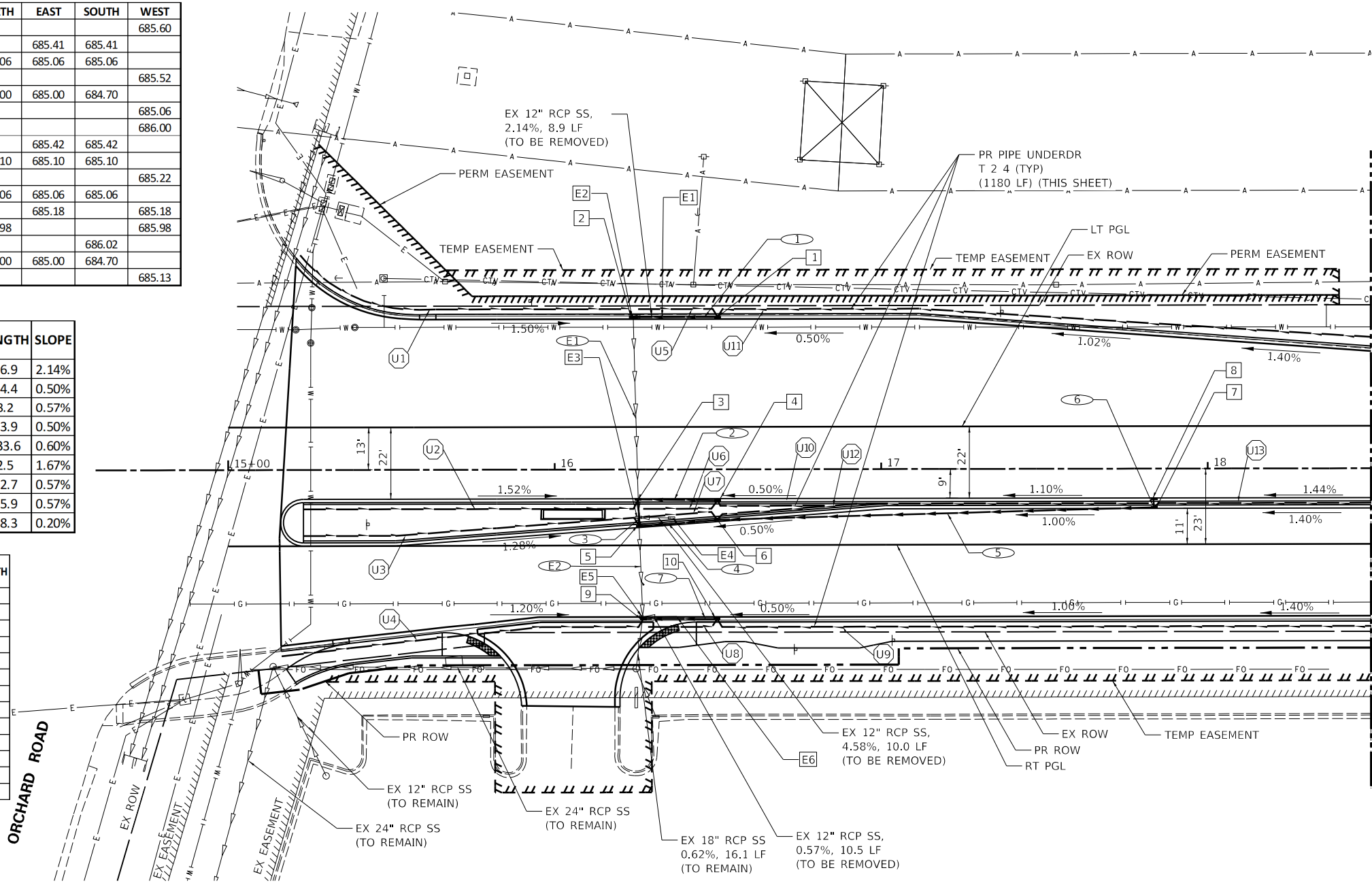
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NUMBER	STATION	OFFSET	TYPE	FRAME AND GRATE	RIM ELEV	NORTH	EAST	SOUTH	WEST
E1	16+33	46.9' LT	INLET, 2' DIA.		687.90				685.60
E2	16+24	46.9' LT	INLET, 2' DIA.		688.01		685.41	685.41	
E3	16+26	14.7' RT	INLET, 2' DIA.		688.56	685.06	685.06	685.06	
E4	16+36	14.8' RT	INLET, 2' DIA.		688.52				685.52
E5	16+27	45.7' RT	CATCH BASIN, 4' DIA.		688.00	685.00	685.00	684.70	
E6	16+37	45.8' RT	INLET, 2' DIA.		688.01				685.06
1	16+50	46.7' LT	CATCH BASIN	TYPE 4	688.59				686.00
2	16+24	46.7' LT	CATCH BASIN	TYPE 4	688.68		685.42	685.42	
3	16+26	9.2' RT	CATCH BASIN	TYPE 4	688.90	685.10	685.10	685.10	
4	16+49	9.4' RT	CATCH BASIN	TYPE 4	688.89				685.22
5	16+26	17.5' RT	CATCH BASIN	TYPE 4	688.74	685.06	685.06	685.06	
6	16+50	15.5' RT	CATCH BASIN	TYPE 4	688.81				685.18
7	17+84	11.8' RT	INLET	TYPE 4	688.81	685.98			685.98
8	17+83	9.3' RT	INLET	TYPE 4	689.80			686.02	
9	16+27	45.8' RT	CATCH BASIN	TYPE 9	688.41	685.00	685.00	684.70	
10	16+50	45.8' RT	CATCH BASIN	TYPE 4	688.38				685.13

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE	LENGTH	SLOPE
	FROM	TO						
1	1	2	STORM SEWERS	A	1	12	26.9	2.14%
2	3	4	STORM SEWERS	A	1	12	24.4	0.50%
3	3	5	STORM SEWERS	A	1	12	8.2	0.57%
4	5	6	STORM SEWERS	A	1	12	23.9	0.50%
5	6	7	STORM SEWERS	A	1	12	133.6	0.60%
6	7	8	STORM SEWERS	A	1	12	2.5	1.67%
7	9	10	STORM SEWERS	A	1	12	22.7	0.57%
E1	2	3	STORM SEWERS			12	55.9	0.57%
E2	5	9	STORM SEWERS			12	28.3	0.20%

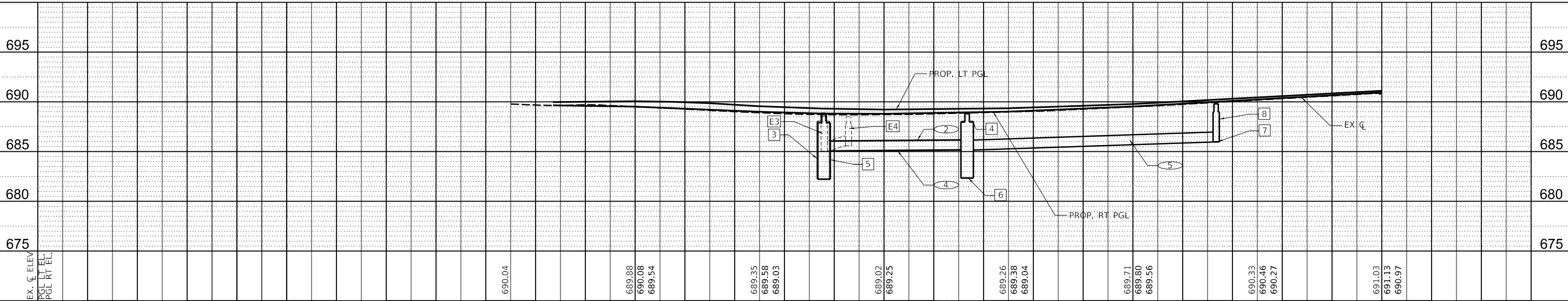
PIPE NUMBER	FROM STA / STR	O/S	TO STR	DESCRIPTION	TYPE	SIZE	LENGTH
U1	STA 15+22	65.8' LT	STR 2	PIPE UNDERDRAIN	2	4	110
U2	STA 15+23	12.1' RT	STR 3	PIPE UNDERDRAIN	2	4	105
U3	STA 15+23	20.2' RT	STR 5	PIPE UNDERDRAIN	2	4	105
U4	STA 15+16	57.0' RT	STR 9	PIPE UNDERDRAIN	2	4	115
U5	STR 2	-	STR 1	PIPE UNDERDRAIN	2	4	25
U6	STR 3	-	STR 4	PIPE UNDERDRAIN	2	4	25
U7	STR 5	-	STR 6	PIPE UNDERDRAIN	2	4	25
U8	STR 9	-	STR 10	PIPE UNDERDRAIN	2	4	25
U9	STA 19+40	53.7' RT	STR 10	PIPE UNDERDRAIN	2	4	295
U10	STA 16+83	11.2' RT	STR 4	PIPE UNDERDRAIN	2	4	35
U11	STA 19+49	44.0' LT	STR 1	PIPE UNDERDRAIN	2	4	305
U12	STR 7	-	STR 6	PIPE UNDERDRAIN	2	4	135
U13	STA 19+40	10.6' RT	STR 7	PIPE UNDERDRAIN	2	4	160

ORCHARD ROAD



MATCHLINE STA. 18+50
(SEE SHEET 57)

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20'	SHEET 1	OF 2 SHEETS	STA. 15+17	TO STA. 18+50
-----------------	---------	-------------	------------	---------------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	56
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

PROFILE	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

USER NAME = jharvig PLOT SCALE = 1"=40

MODEL DATE = 2/19/2025 2:16:56 PM

FILE NAME = H:\SOS\Proj\North Aurora\2022\NO2209-SHT-Drain-PLAN\PROF-02.dgn

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eelweb.com

VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 18+50 TO STA. 23+50

F.A.U.
RTE.

SECTION
21-00057-00-CH

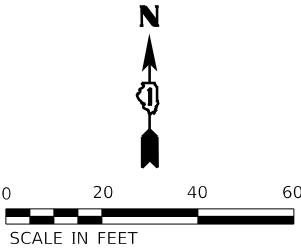
COUNTY
KANE

TOTAL SHEETS
118

SHEET NO.
57

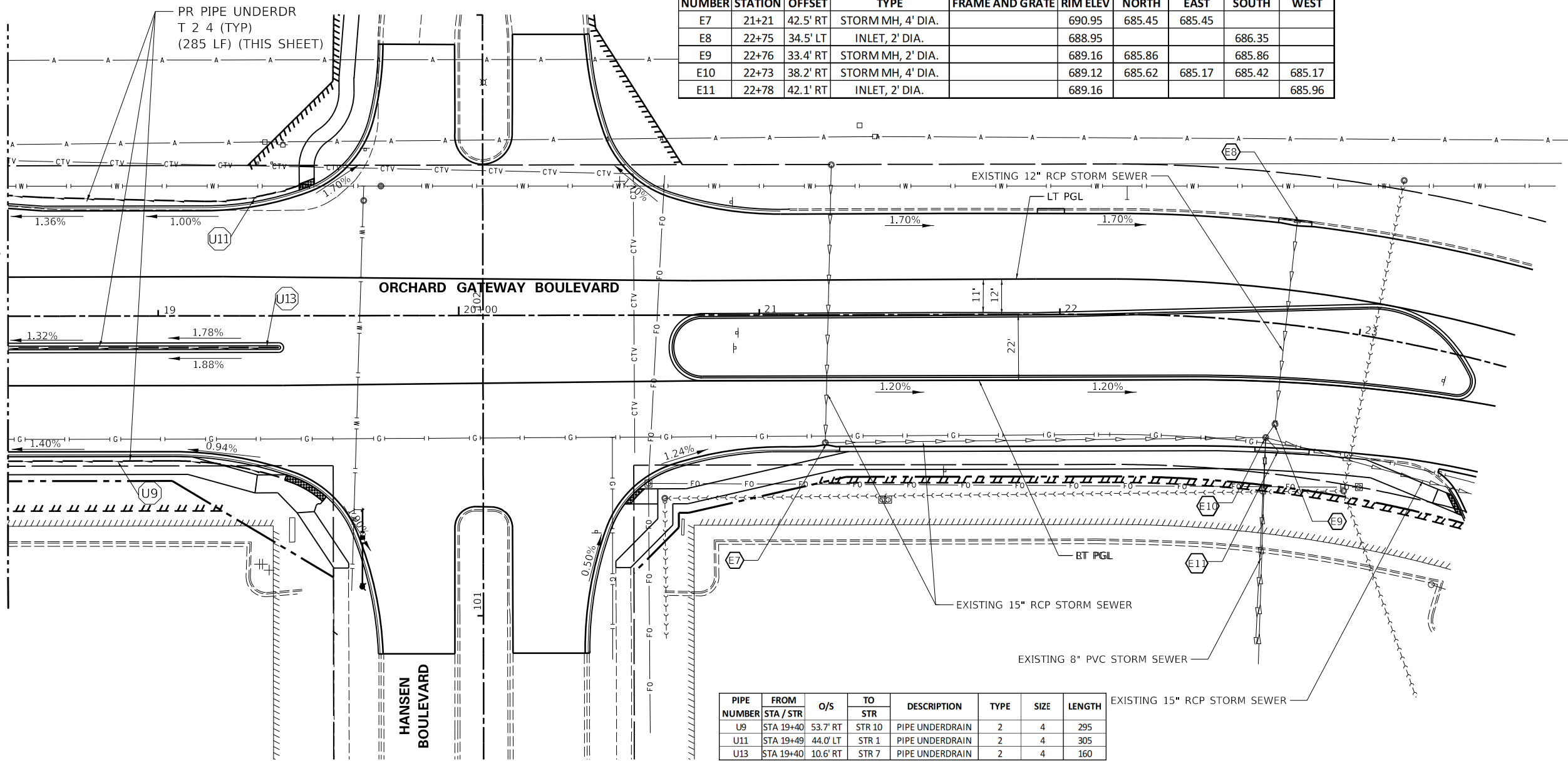
CONTRACT NO. 61L39

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



NUMBER	STATION	OFFSET	TYPE	FRAME AND GRATE	RIM ELEV	NORTH	EAST	SOUTH	WEST
E7	21+21	42.5' RT	STORM MH, 4' DIA.		690.95	685.45	685.45		
E8	22+75	34.5' LT	INLET, 2' DIA.		688.95			686.35	
E9	22+76	33.4' RT	STORM MH, 2' DIA.		689.16	685.86		685.86	
E10	22+73	38.2' RT	STORM MH, 4' DIA.		689.12	685.62	685.17	685.42	685.17
E11	22+78	42.1' RT	INLET, 2' DIA.		689.16				685.96

MATCHLINE STA. 18+50
(SEE SHEET 56)



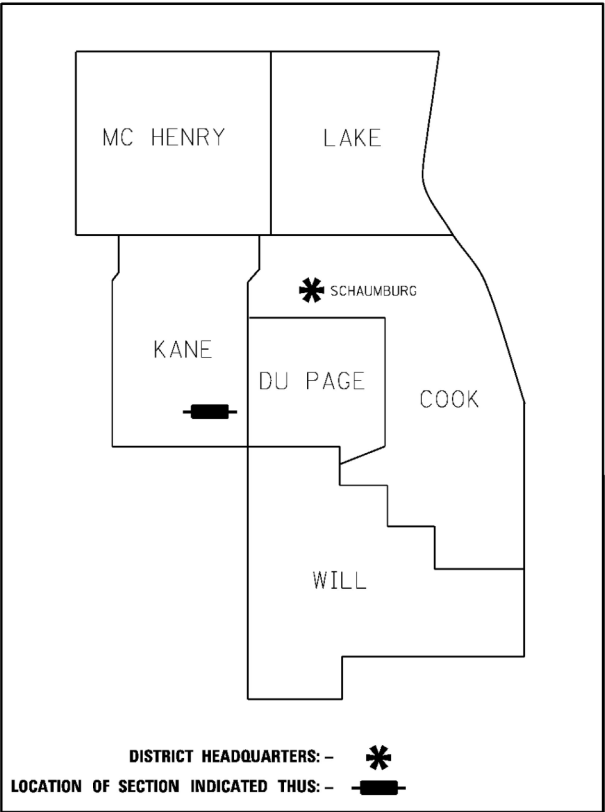
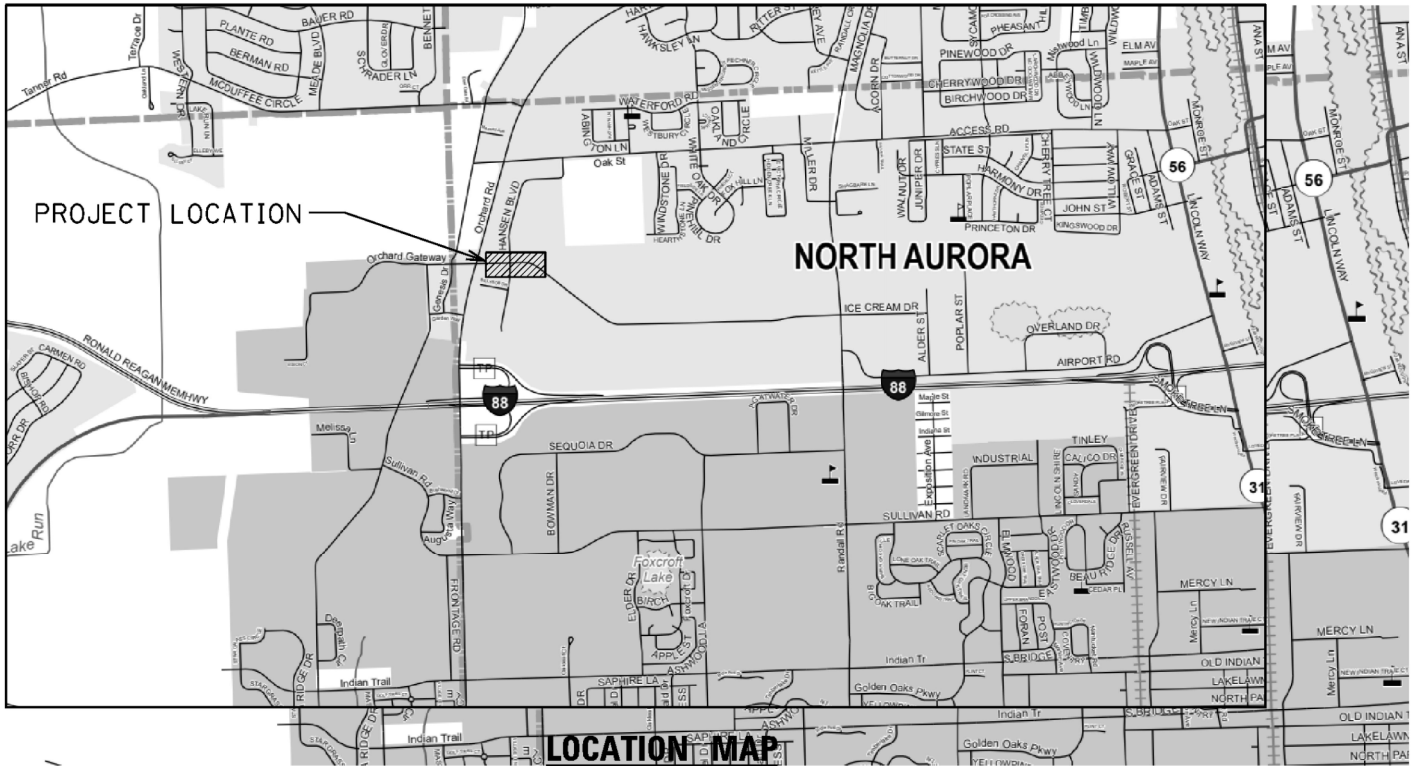
PIPE NUMBER	FROM STA / STR	O/S	TO STR	DESCRIPTION	TYPE	SIZE	LENGTH
U9	STA 19+40	53.7' RT	STR 10	PIPE UNDERDRAIN	2	4	295
U11	STA 19+49	44.0' LT	STR 1	PIPE UNDERDRAIN	2	4	305
U13	STA 19+40	10.6' RT	STR 7	PIPE UNDERDRAIN	2	4	160

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001PE-A 0001PE-B 0001TE-A 0001TE-B	COMMONWEALTH EDISON COMPANY	3	
0002 0002TE	W.M. FINANCIAL GROUP, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	2	
0003 0003TE	GERALD REALTY HOLDINGS, LLC	2, 4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: ORCHARD GATEWAY BOULEVARD
SECTION: 21-00057-00-CH
COUNTY: KANE
LIMITS: AT ORCHARD ROAD
JOB NO.: R-55-001-97



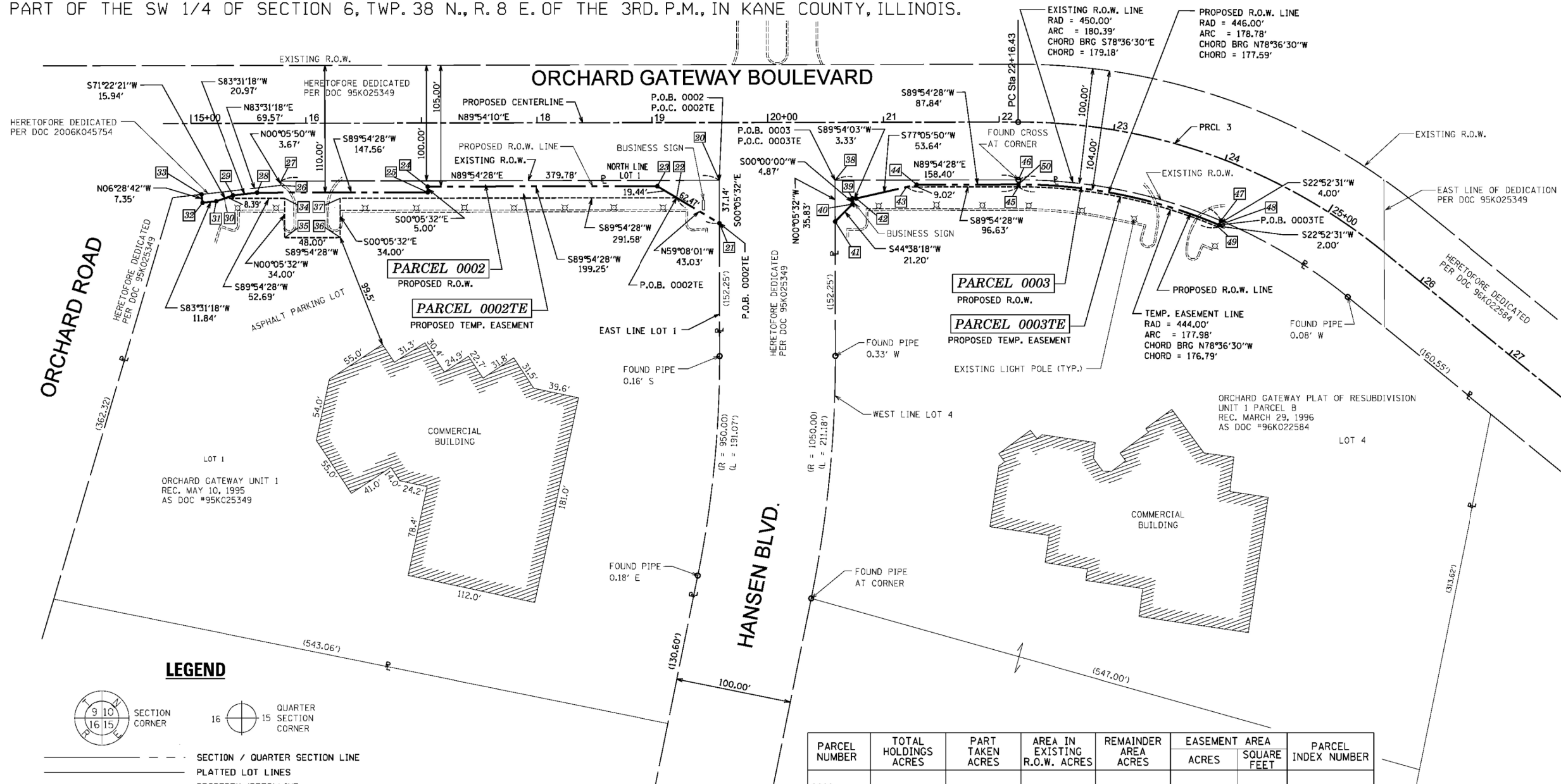
PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

USER NAME = jmarvig PLOT SCALE = 1:2,000.00
PLOT DATE = 2/19/2025 2:16:57 PM
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FILE NAME: R:\SOSK\Proj\NO North Aurora\2022\NO2209\Dgn Final Eng\NO2209-SHT-Plat-01.dgn

50 YEARS  Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD PLAT OF HIGHWAYS	F.A.U. RTE.					SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			0054	21-00057-00-CH		KANE	118	58				
		CHECKED -	REVISED -			CONTRACT NO. 61L39									
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT									
SCALE: N.T.S.						SHEET 1	OF 4	SHEETS	STA.	TO STA.					

R:\SOSK\Proj\NO North Aurora\2022\NO2209\Dgn Final Eng\NO2209-SHT-Plat-01.dgn

PART OF THE SW 1/4 OF SECTION 6, TWP. 38 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



PROJECT COORDINATES IL. STATE PLANE, EAST ZONE, NAD83 (2011)		
PT#	COORDINATES	STATION/OFFSET
20	N = 1870399.33 E = 973662.90	19+58.14, 49.93' RT
21	N = 1870362.19 E = 973662.96	19+58.13, 87.06' RT
22	N = 1870384.27 E = 973626.02	19+21.23, 64.92' RT
23	N = 1870394.24 E = 973609.34	19+04.56, 54.92' RT
24	N = 1870393.92 E = 973410.09	17+05.32, 54.91' RT
25	N = 1870388.92 E = 973410.10	17+05.32, 59.91' RT
26	N = 1870395.05 E = 973283.13	15+78.36, 53.56' RT
27	N = 1870398.72 E = 973283.12	15+78.36, 49.89' RT
28	N = 1870386.69 E = 973262.54	15+57.76, 59.89' RT
29	N = 1870386.32 E = 973241.70	15+36.92, 62.22' RT
30	N = 1870383.64 E = 973233.75	15+28.96, 64.89' RT
31	N = 1870381.23 E = 973226.60	15+21.81, 67.29' RT
32	N = 1870379.89 E = 973214.83	15+10.04, 68.60' RT
33	N = 1870387.20 E = 973214.00	15+09.22, 61.30' RT
34	N = 1870383.72 E = 973286.44	15+81.65, 64.89' RT
35	N = 1870349.72 E = 973286.49	15+81.65, 98.89' RT
36	N = 1870349.80 E = 973334.49	16+29.65, 98.90' RT
37	N = 1870383.80 E = 973334.44	16+29.65, 64.90' RT
38	N = 1870399.49 E = 973762.90	20+58.14, 49.94' RT
39	N = 1870383.62 E = 973777.86	20+73.07, 65.83' RT
40	N = 1870378.75 E = 973777.86	20+73.06, 70.70' RT
41	N = 1870363.66 E = 973762.96	20+58.13, 85.76' RT
42	N = 1870383.63 E = 973781.18	20+76.39, 65.83' RT
43	N = 1870393.59 E = 973824.67	21+19.90, 55.94' RT
44	N = 1870395.60 E = 973833.47	21+28.70, 53.94' RT
45	N = 1870393.75 E = 973921.31	22+16.55, 55.95' RT
46	N = 1870399.75 E = 973921.30	22+16.55, 49.95' RT
47	N = 1870364.36 E = 974096.95	24+16.95, 49.93' RT
48	N = 1870360.67 E = 974095.40	24+16.95, 53.93' RT
49	N = 1870358.83 E = 974094.62	24+16.95, 55.93' RT
50	N = 1870395.75 E = 973921.31	22+16.55, 53.95' RT

STATE OF ILLINOIS
COUNTY OF KANE

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 6, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS 20TH DAY OF JULY, 2023.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3678
LICENSE EXPIRATION DATE: 11/30/24

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



DRAWING DATE: 07/11/2023 REVISION MADE BY: CEP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAT OF HIGHWAYS

SCALE: N.T.S. SHEET 2 OF 4 SHEETS STA. TO STA.

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com
EEI PROJECT NO2209

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: ORCHARD GATEWAY BOULEVARD

LIMITS: AT ORCHARD ROAD COUNTY: KANE
SECTION: 21-00057-00-CH JOB NO.: R-55-001-97
STA. 15+09.22 TO STA. 24+16.95
SCALE: 1" = 50' SHEET 2 OF 4 SHEETS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	59
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994737.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".

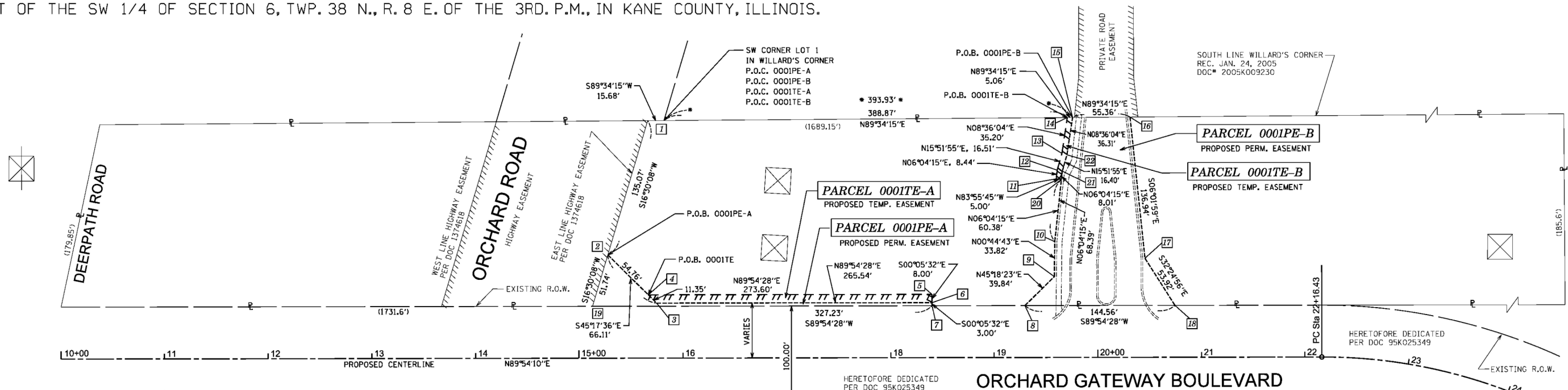
LEGEND
SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPROXIMATE PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION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

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAC" NAIL SET
- 5/8" REBAR SET

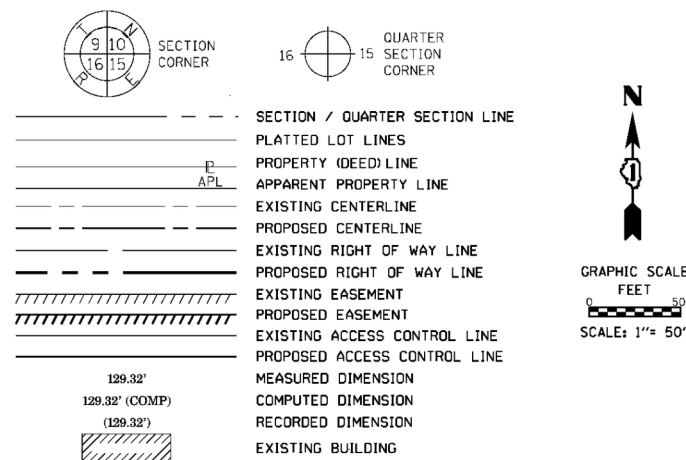
PROP. CURVE PRCL 3
PI STA. = 23+95.12
T = 39° 19' 54" (RT)
D = 11° 27' 33"
R = 500.00'
T = 178.69'
L = 343.23'
E = 30.97'
e =
T.R. =
S.E. RUN =
P.C. STA. = 22+16.43
P.T. STA. = 25+59.66

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

PART OF THE SW 1/4 OF SECTION 6, TWP. 38 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND



- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994737.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

PROJECT COORDINATES IL. STATE PLANE, EAST ZONE, NAD83 (2011)		
PT#	COORDINATES	STATION/OFFSET
1	N = 1870677.73 E = 973270.79	15+66.50, 229.14' LT
2	N = 1870548.22 E = 973232.42	15+27.91, 99.70' LT
3	N = 1870501.71 E = 973279.41	15+74.82, 53.11' LT
4	N = 1870509.70 E = 973271.34	15+66.76, 61.11' LT
5	N = 1870510.14 E = 973544.93	18+40.36, 61.08' LT
6	N = 1870502.14 E = 973544.95	18+40.36, 53.08' LT
7	N = 1870499.14 E = 973544.95	18+40.36, 50.08' LT
8	N = 1870499.28 E = 973634.48	19+29.88, 50.07' LT
9	N = 1870527.30 E = 973662.80	19+58.25, 78.04' LT
10	N = 1870561.12 E = 973663.24	19+58.75, 111.86' LT
11	N = 1870621.69 E = 973664.65	19+60.26, 172.43' LT
12	N = 1870630.08 E = 973665.54	19+61.17, 180.82' LT
13	N = 1870645.96 E = 973670.05	19+65.71, 196.69' LT
14	N = 1870680.76 E = 973675.32	19+71.03, 231.48' LT
15	N = 1870680.80 E = 973680.38	19+76.10, 231.51' LT
16	N = 1870681.21 E = 973735.74	20+31.46, 231.83' LT
17	N = 1870645.04 E = 973750.14	20+45.62, 95.63' LT
18	N = 1870499.52 E = 973779.04	20+74.45, 50.06' LT
19	N = 1870498.61 E = 973217.72	15+13.13, 50.11' LT
20	N = 1870621.16 E = 973669.62	19+65.24, 171.89' LT
21	N = 1870629.13 E = 973670.47	19+66.10, 179.86' LT
22	N = 1870644.90 E = 973674.95	19+70.61, 195.62' LT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0001PE-A 0001PE-B 0001TE-A 0001TE-B	7.092	-	-	-	PE-A = 0.055 PE-B = 0.344 TE-A = 0.050 TE-B = 0.007	302	15-06-300-022

STATE OF ILLINOIS)
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHEMRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS 20TH DAY OF JULY, 2023.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3678
LICENSE EXPIRATION DATE: 11/30/24

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



IDOT USE ONLY

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: ORCHARD GATEWAY BOULEVARD

LIMITS: AT ORCHARD ROAD COUNTY: KANE
SECTION: 21-00057-00-CH JOB NO.: R-55-001-97
STA. 15+13.13 TO STA. 20+74.45
SCALE: 1" = 50' SHEET 3 OF 4 SHEETS

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

DRAWING DATE: 07/11/2023 REVISION MADE BY: CEP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAT OF HIGHWAYS

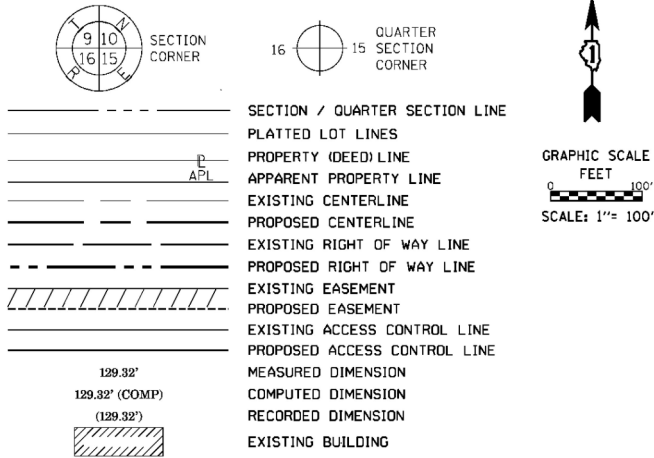
SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	60
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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



LEGEND



- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994737.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS))SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 6, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS 20TH DAY OF JULY, 2023.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3678
LICENSE EXPIRATION DATE: 11/30/24

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



Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com
EEI PROJECT NO2209

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: ORCHARD GATEWAY BOULEVARD

LIMITS: AT ORCHARD ROAD COUNTY: KANE
SECTION: 21-00057-00-CH JOB NO.: R-55-001-97
STA. TO STA.
SCALE: 1" = 100' SHEET 4 OF 4 SHEETS

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

DRAWING DATE: 07/11/2023 REVISION MADE BY:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PLAT OF HIGHWAYS

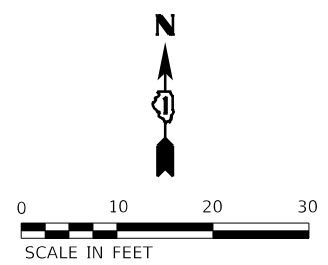
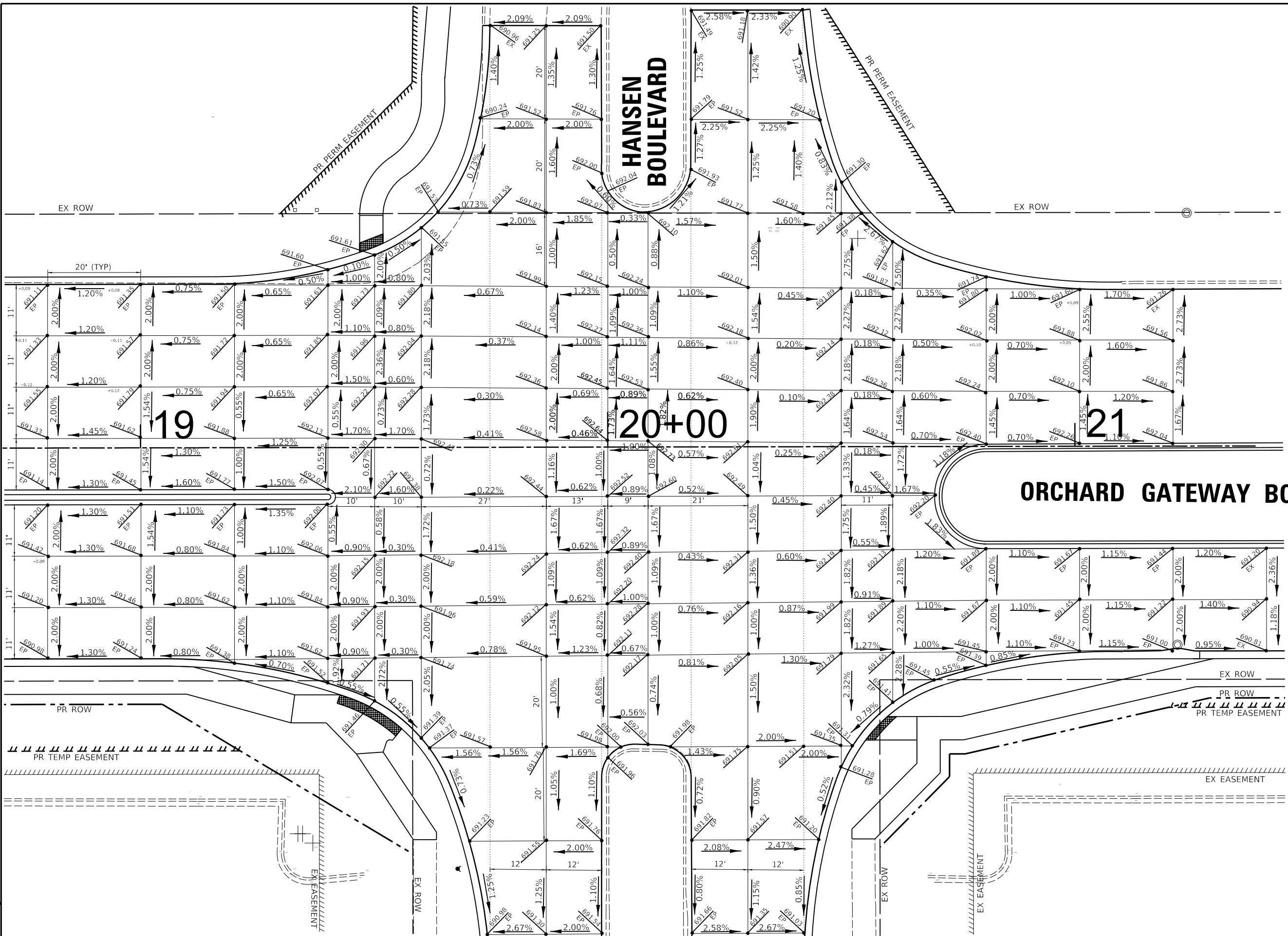
SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	61
CONTRACT NO. 61L39				

ILLINOIS FED. AID PROJECT

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

USER NAME = jmarvig PLOT SCALE = 1:20
PLOT DATE = 2/19/2025 2:17:36 PM
MODEL 01 INTERSECTION
FILE NAME: H:\SDSKP\NO North Aurora\2022\NO2209-SHT-Int Detail.dgn



NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BLVD CENTERLINE ALIGNMENT

PROPOSED TRAFFIC SIGNAL EQUIPMENT TURNED OFF FOR CLARITY.

50 YEARS  Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eelweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD INTERSECTION PAVING PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						0054	21-00057-00-CH	KANE	118	62
		CHECKED -	REVISED -		CONTRACT NO. 61L39								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
		SCALE:					SHEET 1	OF 1	SHEETS	STA. 18+50	TO STA. 21+40		

P:\sdskp\NO North Aurora\2022\NO2209-SHT-Int Detail-01.dgn

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PLOT DATE = 2/19/2025 2:17:38 PM
MODEL PLAN01
FILE NAME: H:\SOSK\Proj\NO North Aurora\2022\NO2209.Dgn Final Eng\NO2209-SHT-PMK-01.dgn



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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

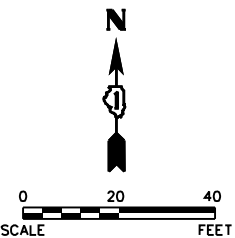
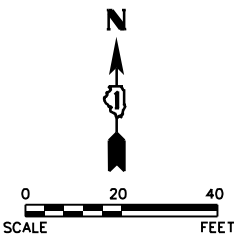
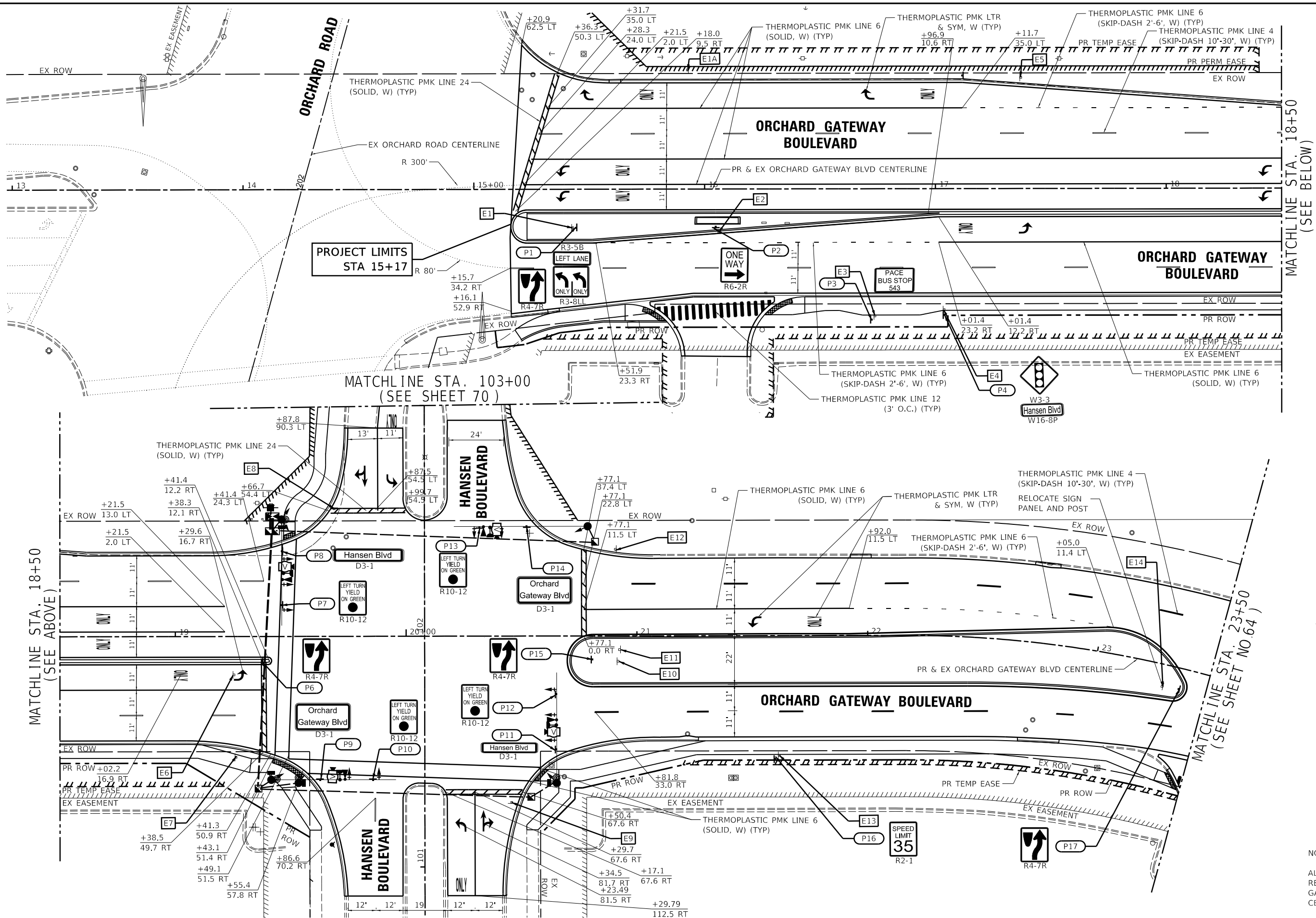
ORCHARD GATEWAY BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. 15+17 TO STA. 23+50

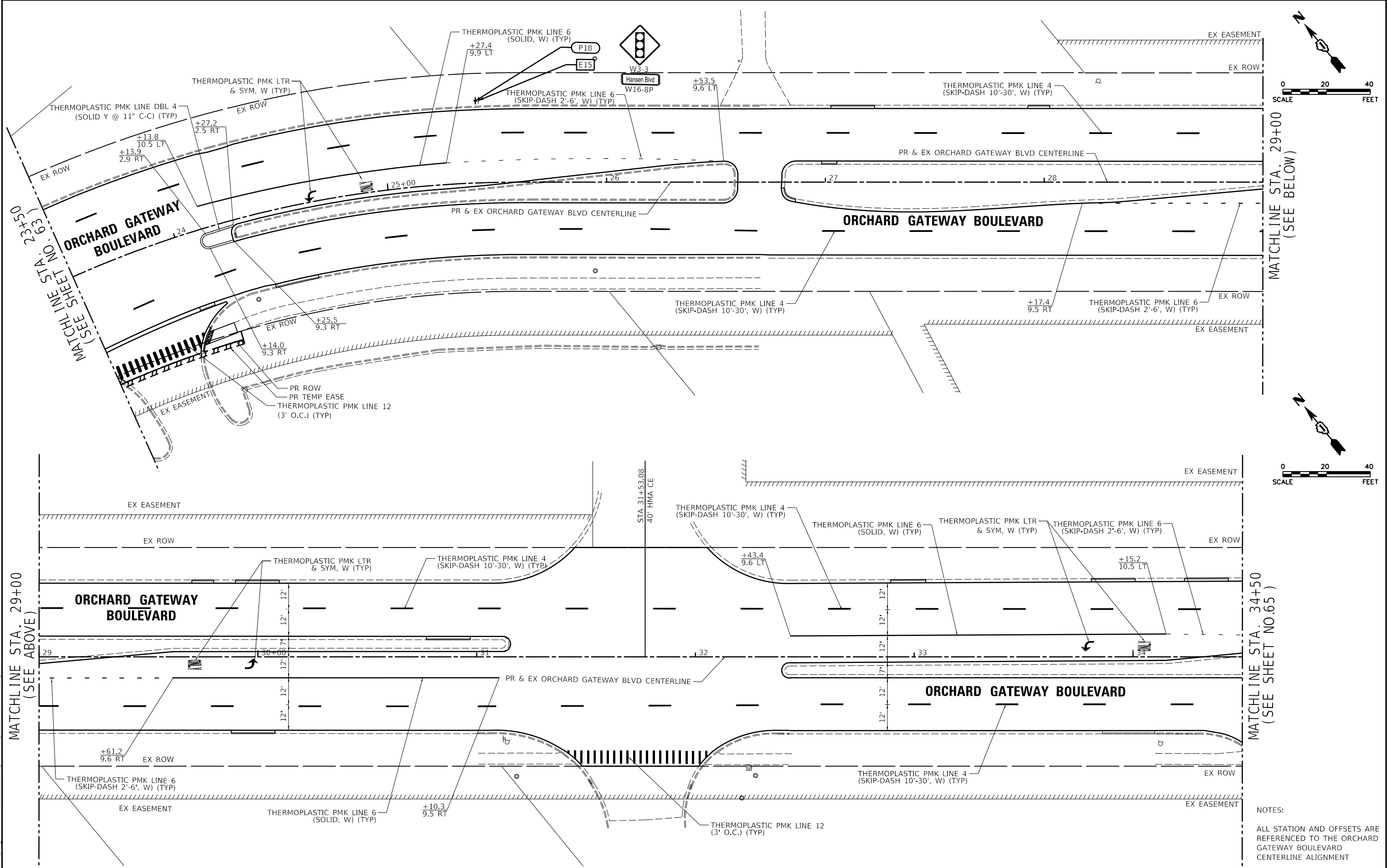
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	63
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

NOTES:

ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT



USER NAME = jmarvig PLOT SCALE = 1:40
PLOT DATE = 2/19/2025 2:17:40 PM
MODEL PLAN02
FILE NAME: H:\SDS\Proj\NO North Aurora\2022\NO2209\Draw Final Eng\NO2209-SHT-PMK-02.dgn



MATCHLINE STA. 29+00
(SEE ABOVE)

MATCHLINE STA. 29+00
(SEE BELOW)

MATCHLINE STA. 34+50
(SEE SHEET NO.65)

NOTES:
ALL STATION AND OFFSETS ARE
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GATEWAY BOULEVARD
CENTERLINE ALIGNMENT

50 YEARS  Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60054 630.466.6700 / www.eeiweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD PAVEMENT MARKING AND SIGNING PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						0054	21-00057-00-CH	KANE	118	64
		CHECKED -	REVISED -										
		DATE -	REVISED -						CONTRACT NO. 61L39				
						SCALE: 1"=20'	SHEET 2	OF 9	SHEETS	STA. 23+50	TO STA. 34+50		ILLINOIS FED. AID PROJECT

USER NAME = jmarvig PLOT SCALE = 1:40
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DATE -	REVISED -

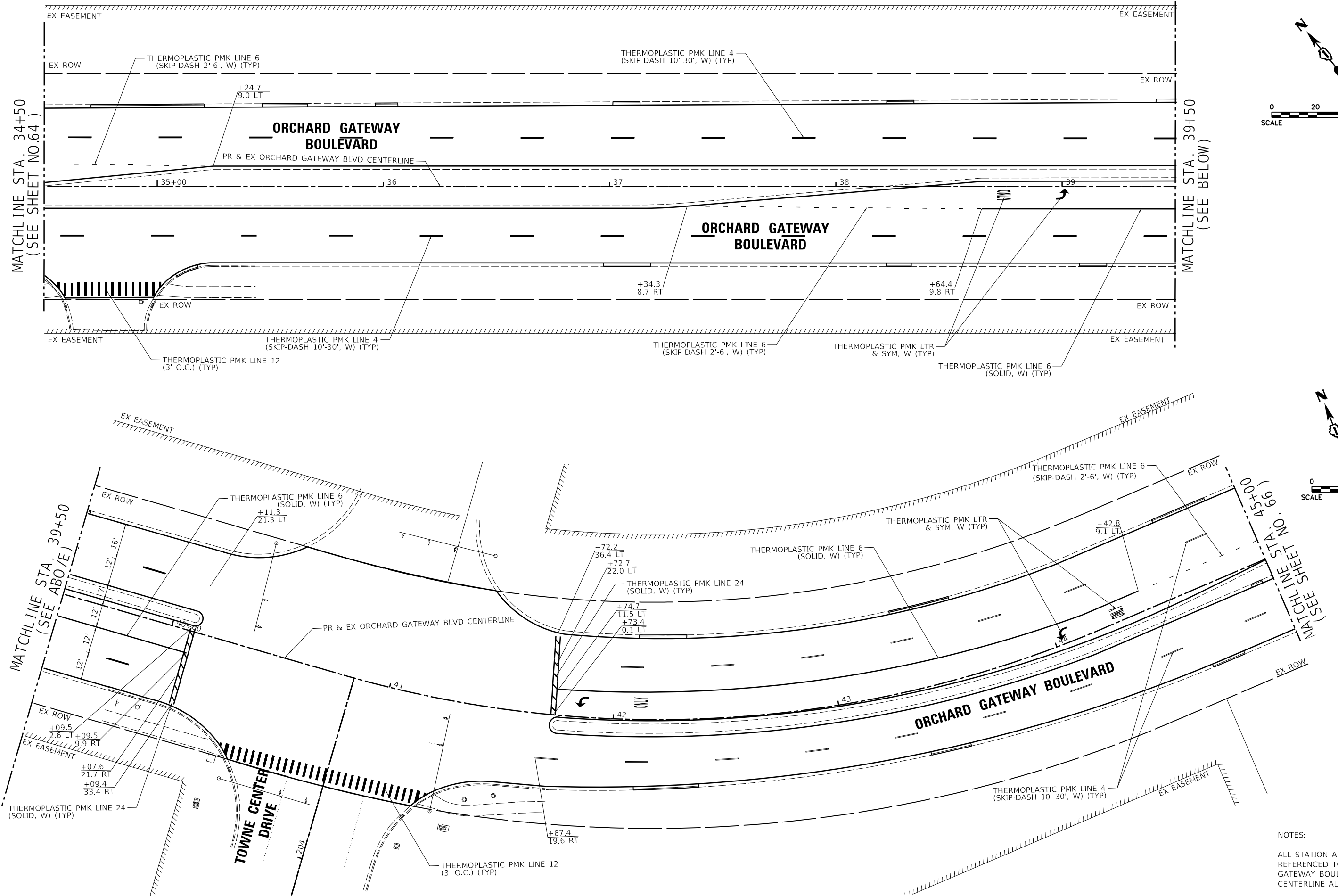
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20' SHEET 3 OF 9 SHEETS STA. 34+50 TO STA. 45+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	65
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



NOTES:
ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT

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PLOT DATE = 2/19/2025 2:17:43 PM
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CHECKED -	REVISED -
DATE -	REVISED -

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

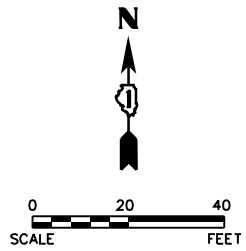
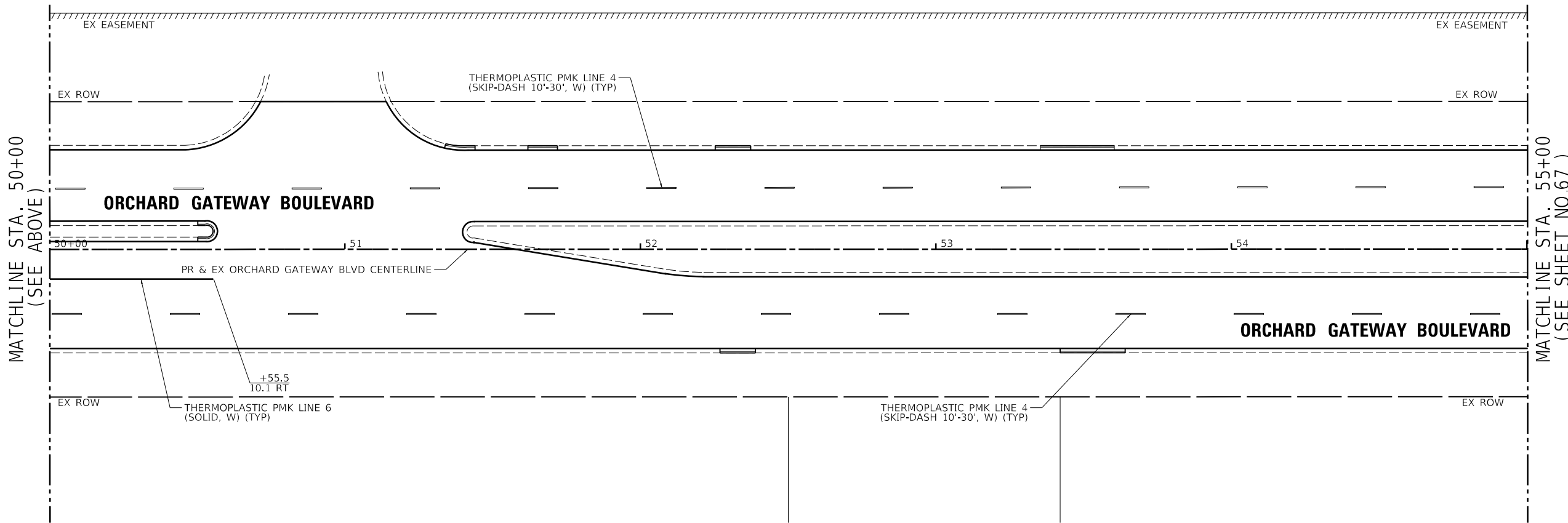
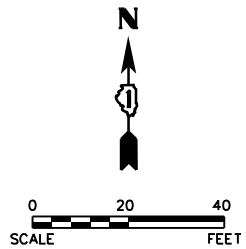
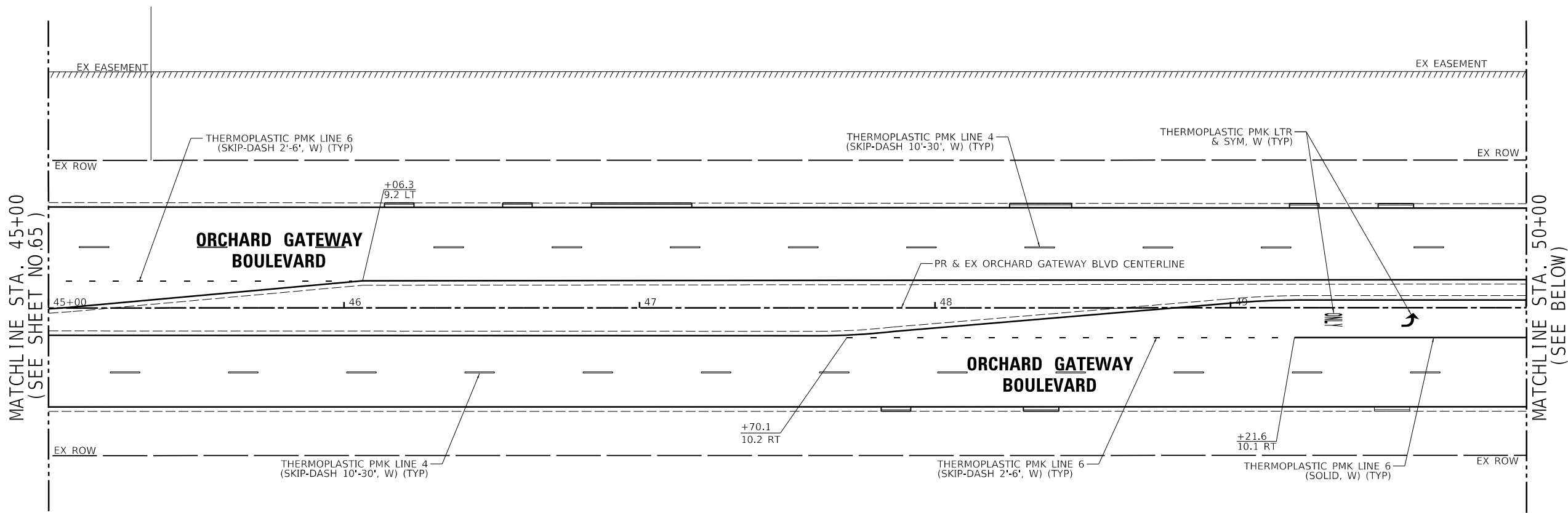
ORCHARD GATEWAY BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

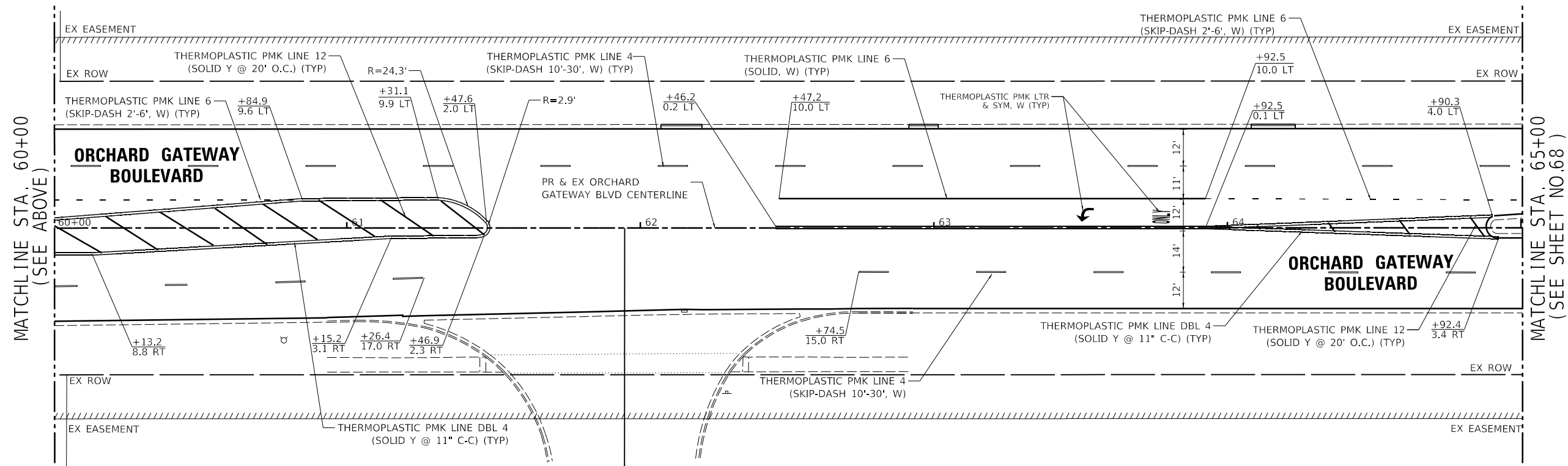
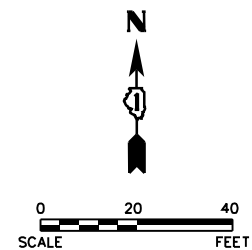
SCALE: 1"=20' SHEET 4 OF 9 SHEETS STA. 45+00 TO STA. 55+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	66
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

NOTES:

ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT





ALL STATION AND OFFSETS ARE
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CENTERLINE ALIGNMENT

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PLOT DATE = 2/19/2025 2:17:47 PM
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ORCHARD GATEWAY BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. 65+00 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	68
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

NOTES:

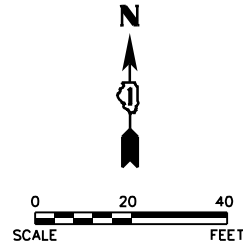
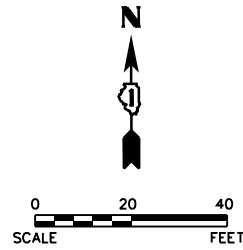
ALL STATION AND OFFSETS ARE
REFERENCED TO THE ORCHARD
GATEWAY BOULEVARD
CENTERLINE ALIGNMENT

MATCHLINE STA. 65+00
(SEE SHEET NO.67)

MATCHLINE STA. 70+00
(SEE BELOW)

MATCHLINE STA. 70+00
(SEE ABOVE)

MATCHLINE STA. 75+00
(SEE SHEET NO.69)



USER NAME = jmarvig PLOT SCALE = 1:40

PLOT DATE = 2/19/2025 2:17:48 PM

MODEL PLAN07
FILE NAME: H:\SDS\Eng\NO North Aurora\2022\NO2209.Dgn Final Eng\NO2209-SHT-PMK-07.dgn



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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

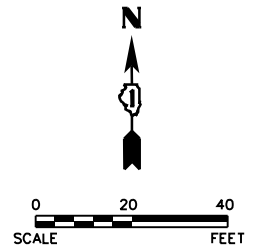
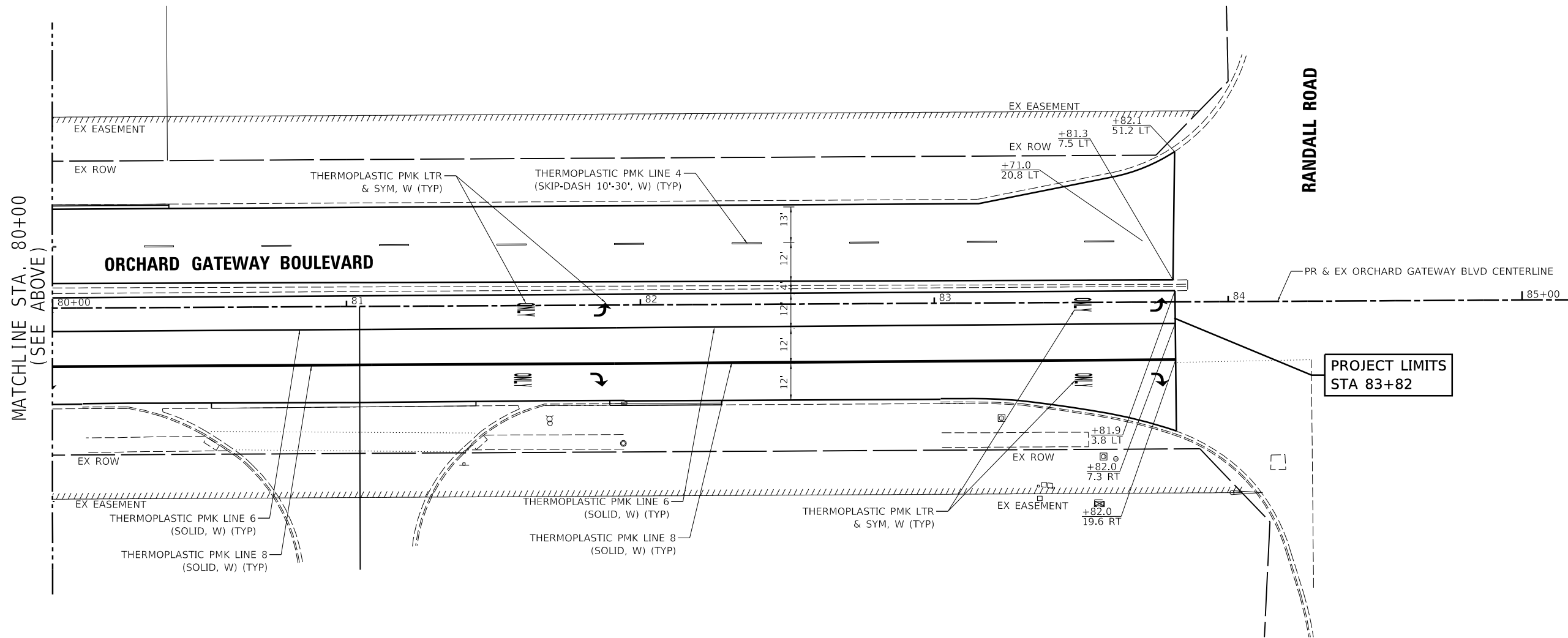
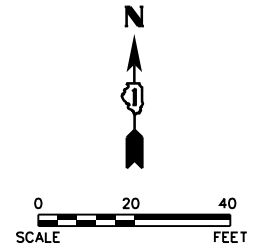
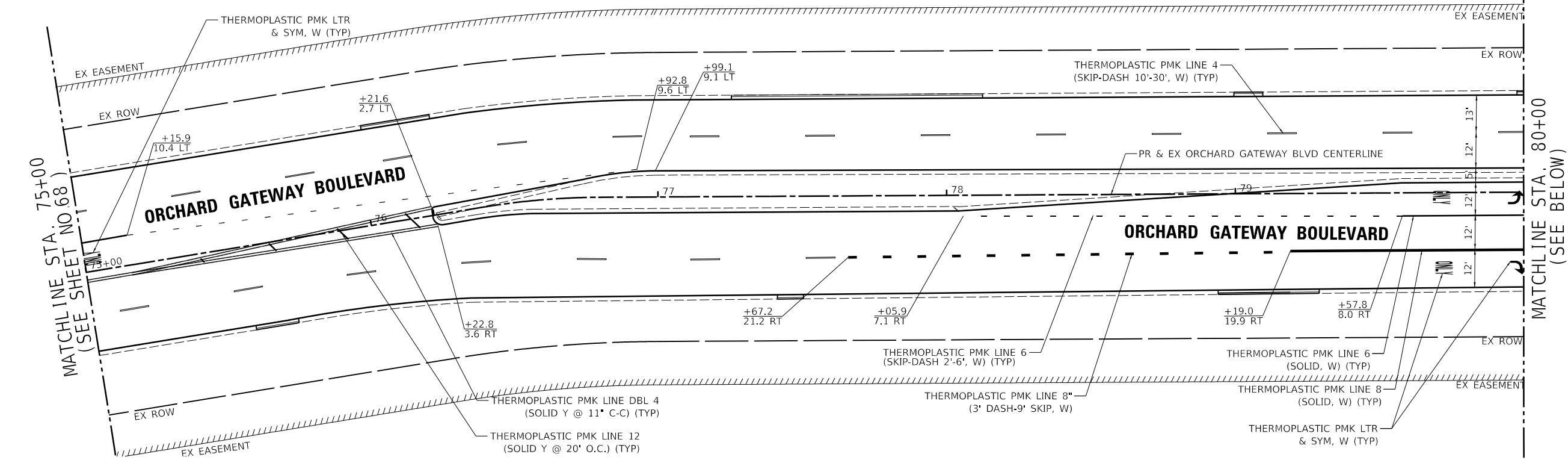
ORCHARD GATEWAY BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

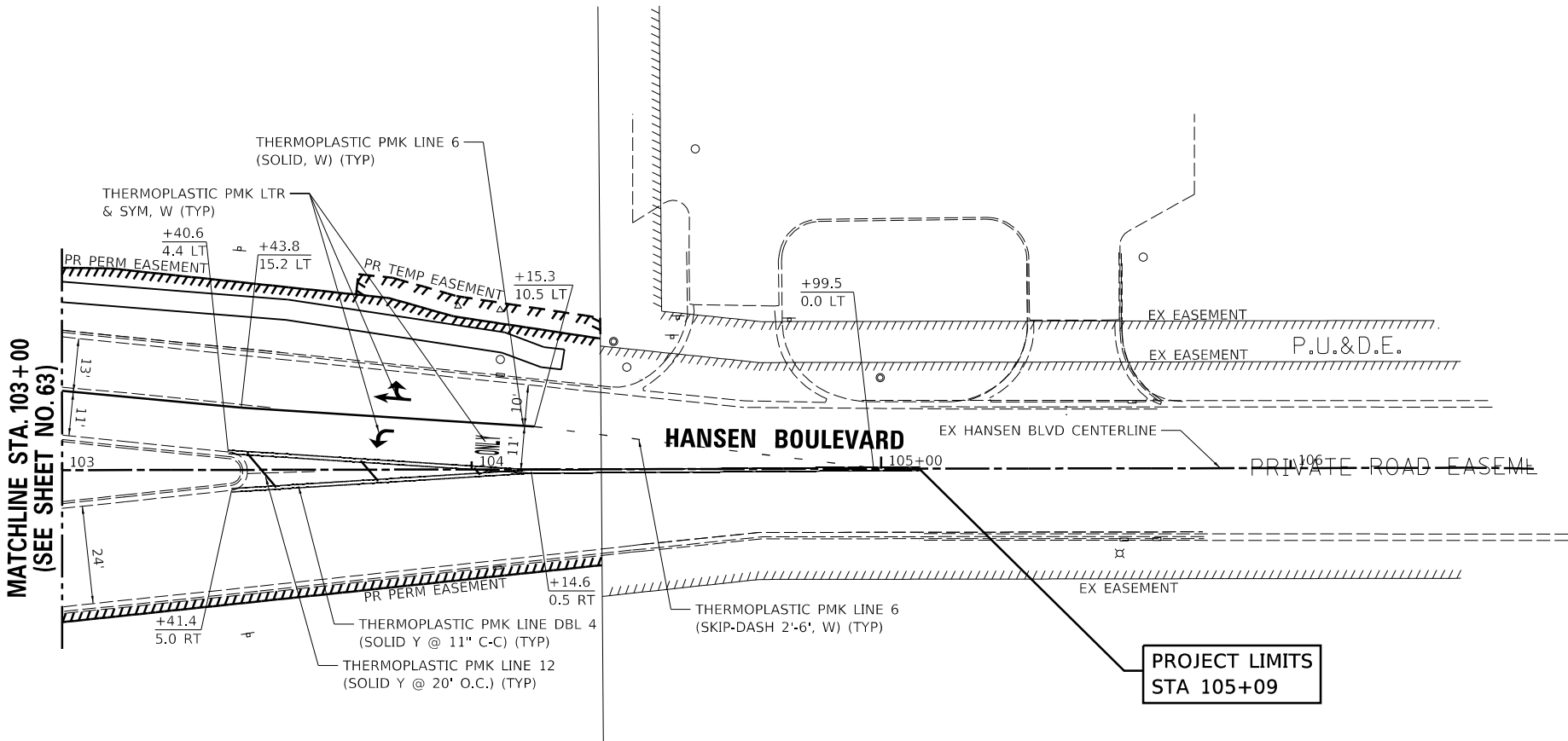
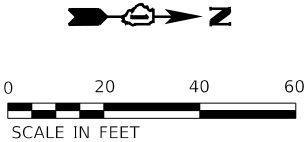
SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. 75+00 TO STA. 83+82

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	69
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

NOTES:

ALL STATION AND OFFSETS ARE
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GATEWAY BOULEVARD
CENTERLINE ALIGNMENT





NOTES:

ALL STATION AND OFFSETS ARE REFERENCED TO THE HANSEN BOULEVARD CENTERLINE ALIGNMENT

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PLOT DATE = 2/19/2025 2:17:50 PM
MODEL: P-P15
FILE NAME: H:\SDS\Proj\NO North Aurora\2022\NO2209.Dgn Final Eng\NO2209-SHT-PMK-08.dgn

50 YEARS

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DEPARTMENT OF TRANSPORTATION

HANSEN BOULEVARD
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20'

SHEET 8 OF 9 SHEETS

STA. 103+00 TO STA. 105+09

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	70
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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EXISTING SIGN SCHEDULE

											72400100	72400200
EXISTING NO.	STATION	OFFSET	LT/RT	FACING TRAFFIC	COLOR	WIDTH	HEIGHT	AREA	SIGN TYPE	MOUNT TYPE	REMOV SIN PAN ASSY TA	REMOV SIN PAN ASSY TB
						(IN)	(IN)	(SF)			(EA)	(EA)
ORCHARD GATEWAY BOULEVARD												
1	15+42	16.8'	RT	EB	WHITE	24	30	5.0	R4-7R	POST MOUNT		1.0
1	15+42	16.8'	RT	WB	WHITE	24	36	6.0	R3-8LL	POST MOUNT		
1A	15+93	51.7'	LT	WB	WHITE	30	36	7.5	R3-5R	POST MOUNT	1.0	
2	16+06	18.8'	RT	NB	WHITE	24	30	5.0	R6-2R	POST MOUNT	1.0	
3	16+74	55.1'	RT	EB	WHITE	18	18	2.3	PACE BUS - 524	POST MOUNT	1.0	
4	17+04	52.4'	RT	EB	YELLOW	30	30	6.3		W3-1	POST MOUNT	1.0
5	17+37	48.1'	LT	WB	WHITE	30	36	7.5	R3-5R	POST MOUNT	1.0	
6	19+25	16.6'	RT	EB	RED	30	30	6.25	R1-1	POST MOUNT		1.0
6	19+25	16.6'	RT	WB	WHITE	24	30	5.0	R4-7R	POST MOUNT		
7	19+26	52.3'	RT	EB	RED	30	30	6.25	R1-1	POST MOUNT	1.0	
7	19+26	52.3'	RT	EB	RED	12	6	0.5	R1-3	POST MOUNT		
8	19+69	55.4'	LT	SB	RED	30	30	6.25	R1-1	POST MOUNT	1.0	
8	19+69	55.4'	LT	SB	RED	18	6	0.8	R1-4	POST MOUNT		
9	20+46	72.1'	RT	NB	RED	30	30	6.25	R1-1	POST MOUNT	1.0	
9	20+46	72.1'	RT	NB	RED	12	6	0.5	R1-3	POST MOUNT		
10	20+92	11.0'	RT	EB	WHITE	24	30	5.0	R4-7R	POST MOUNT		1.0
10	20+92	11.0'	RT	EB	BLUE	24	6	1.0	D3-1	POST MOUNT		
10	20+92	11.0'	RT	WB	BLUE	24	6	1.0	D3-1	POST MOUNT		
10	20+92	11.0'	RT	NB	BLUE	48	6	2.0	D3-1	POST MOUNT		
10	20+92	11.0'	RT	SB	BLUE	48	6	2.0	D3-1	POST MOUNT		
11	20+92	5.9'	RT	WB	RED	30	30	6.25	R1-1	POST MOUNT	1.0	
11	20+92	5.9'	RT	WB	RED	12	6	0.5	R1-3	POST MOUNT		
12	20+90	37.6'	RT	WB	RED	30	30	6.25	R1-1	POST MOUNT	1.0	
12	20+90	37.6'	RT	WB	RED	12	6	0.5	R1-3	POST MOUNT		
13	21+62	51.9'	RT	EB	WHITE	24	30	5.0	R2-1	POST MOUNT	1.0	
14	23+31	9.6'	RT	WB	WHITE	24	30	5.0	R4-7R	POST MOUNT	1.0	
15	25+42	37.7'	LT	WB	YELLOW	30	30	6.3	W3-1A	POST MOUNT	1.0	
TOTAL											13.0	3.0

PROPOSED SIGN SCHEDULE

											72000100	72000200	72400500	72400600	72800100	73100100
PROPOSED NO.	STATION	OFFSET	LT/RT	FACING TRAFFIC	COLOR	WIDTH	HEIGHT	AREA	SIGN TYPE	MOUNT TYPE	SIGN PANEL T1	SIGN PANEL T2	RELOC SIN PAN ASSY TA	RELOC SIN PAN ASSY TB	TELES STL SIN SUPPORT	BASE TEL STL SIN SUPP
						(IN)	(IN)	(SF)			(SF)	(SF)	(EA)	(EA)	(FT)	(EA)
ORCHARD GATEWAY BOULEVARD																
1	15+44	16.6'	RT	EB	WHITE	24	30	5.0	R4-7R	POST MOUNT				1.0	15.0	1.0
1	15+44	16.6'	RT	WB	WHITE	24	36	6.0	R3-8LL	POST MOUNT						
1	15+44	16.6'	RT	WB	WHITE	30	12	2.5	R3-5BP	POST MOUNT	2.5					
2	16+05	16.4'	RT	NB	WHITE	24	30	5.0	R6-2R	POST MOUNT			1.0		15.0	1.0
3	16+72	56.8'	RT	EB	WHITE	18	18	2.3	PACE BUS - 524	POST MOUNT			1.0			
4	17+04	54.8'	RT	EB	YELLOW	30	30	6.3	W3-3	POST MOUNT	6.3				15.0	
4	17+04	54.8'	RT	EB	YELLOW	24	6	1.0	W16-8P	POST MOUNT	1.0					
6	19+37	10.5'	RT	WB	WHITE	24	30	5.0	R4-7R	POST MOUNT				1.0	15.0	1.0
7	19+46	8.5'	RT	WB	WHITE	30	36	7.5	R10-12	MAST ARM MOUNT	7.5					
8	19+46	32.1'	RT	WB	GREEN	54	18	6.8	D3-1	MAST ARM MOUNT	6.8					
9	19+69	62.3'	RT	SB	GREEN	72	30	15.0	D3-1	MAST ARM MOUNT		15.0				
10	19+94	62.3'	RT	SB	WHITE	30	36	7.5	R10-12	MAST ARM MOUNT	7.5					
11	20+65	43.8'	RT	EB	GREEN	54	18	6.8	D3-1	MAST ARM MOUNT	6.8					
12	20+65	20.2'	RT	EB	WHITE	30	36	7.5	R10-12	MAST ARM MOUNT	7.5					
13	20+31	47.5'	LT	NB	WHITE	30	36	7.5	R10-12	MAST ARM MOUNT	7.5					
14	20+48	47.6'	LT	NB	GREEN	72	30	15.0	D3-1	MAST ARM MOUNT		15.0				
15	20+81	10.2'	RT	EB	WHITE	24	30	5.0	R4-7R	POST MOUNT			1.0		15.0	
16	21+60	53.5'	RT	EB	WHITE	24	30	5.0	R2-1	POST MOUNT			1.0		15.0	
17	23+38	9.0'	RT	WB	WHITE	24	30	5.0	R4-7R	POST MOUNT			1.0		15.0	
18	25+41	37.5'	LT	WB	YELLOW	30	30	6.3	W3-3	POST MOUNT	6.3				15.0	
18	25+41	37.5'	LT	WB	YELLOW	24	6	1.0	W16-8P	POST MOUNT	1.0					
											60.5	30.0	5.0	2.0	120.0	3.0

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FILE NAME: H:\50586\proj\NG North Aurora\2022\NG2209-SHT-ADA Detail01.dgn

50

YEARS



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VILLAGE OF NORTH AURORA
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NORTH AURORA, IL 60542

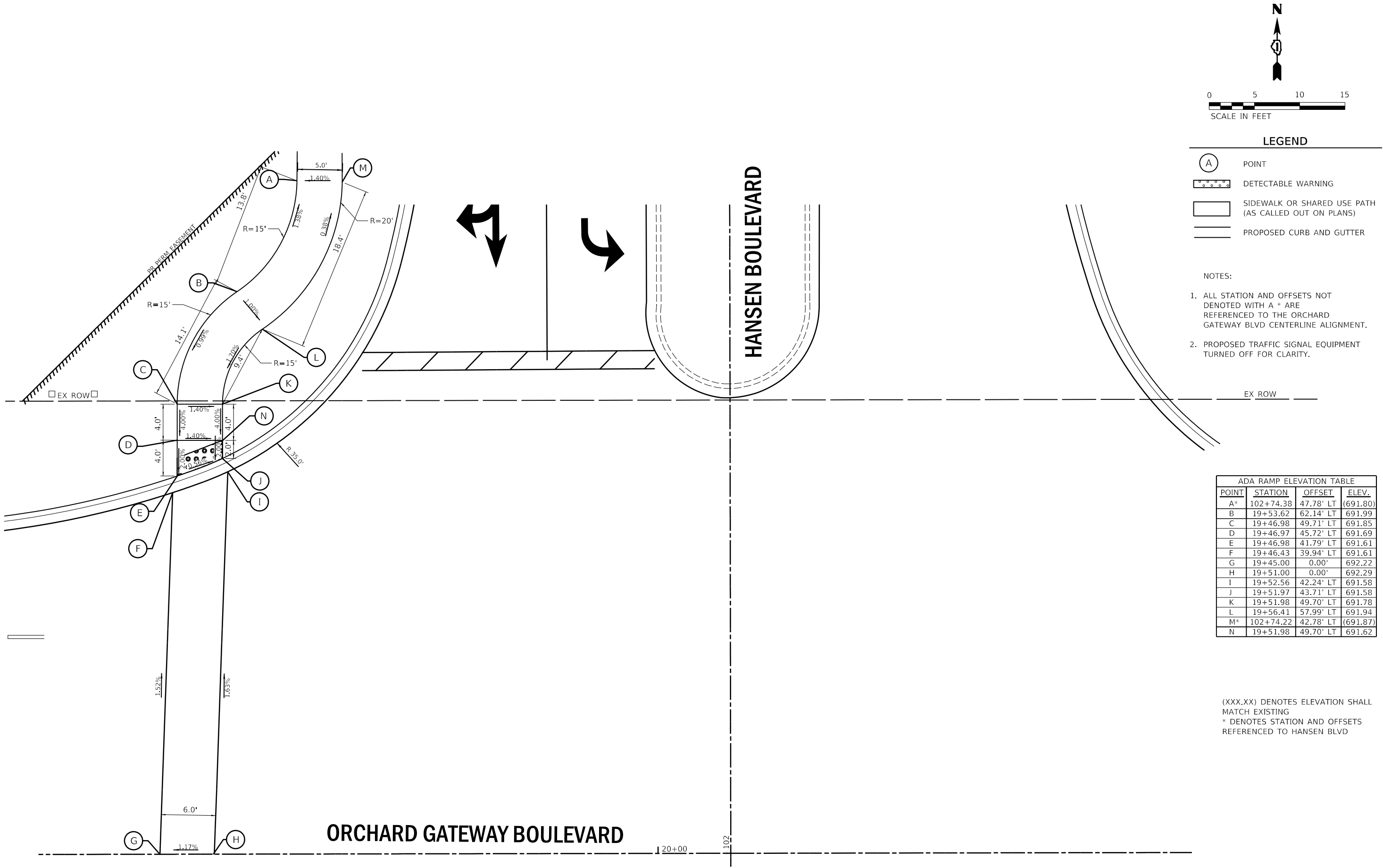
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

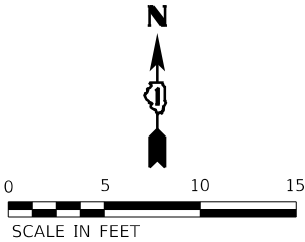
ORCHARD GATEWAY BOULEVARD
ADA DETAIL

SCALE: 1"=5' SHEET 1 OF 4 SHEETS STA. 19+33 TO STA. 21+58

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	72
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



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	POINT
	DETECTABLE WARNING
	SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
	PROPOSED CURB AND GUTTER

1. ALL STATION AND OFFSETS NOT DENOTED WITH A * ARE REFERENCED TO THE ORCHARD GATEWAY BLVD CENTERLINE ALIGNMENT.
2. PROPOSED TRAFFIC SIGNAL EQUIPMENT TURNED OFF FOR CLARITY.

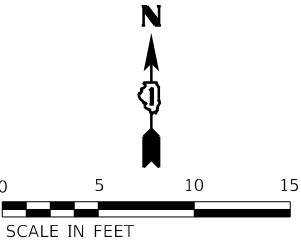
POINT	STATION	OFFSET	ELEV.
2A	19+32.09	58.95' RT	691.87
2B	19+39.64	58.95' RT	691.60
2C	19+41.96	61.37' RT	691.59
2D	19+46.08	65.61' RT	691.58
2E*	101+16.00	49.76' LT	(692.21)
2F*	101+17.57	44.80' RT	(692.12)
2G	19+51.82	65.23' RT	691.53
2H	19+46.73	58.95' RT	691.50
2I	19+54.54	61.80' RT	691.45
2J	19+57.21	59.38' RT	691.42
2K	19+55.80	60.25' RT	691.42
2L	19+49.05	53.10' RT	691.53
2M	19+51.00	0.00'	692.29
2N	19+45.00	0.00'	692.22
2O	19+43.11	51.45' RT	691.48
2P	19+42.61	52.95' RT	691.48
2Q	19+39.64	52.95' RT	691.53
2R	19+32.89	52.94' RT	691.78

(XXX.XX) DENOTES ELEVATION SHALL
MATCH EXISTING
* DENOTES STATION AND OFFSETS
REFERENCED TO HANSEN BLVD



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
A	15+20.87	65.69' RT	(690.13)
B	15+38.70	58.96' RT	689.70
C	15+49.90	57.71' RT	689.56
D	15+56.05	57.02' RT	689.49
E	15+73.57	57.05' RT	689.43
F	15+83.21	57.03' RT	689.41
G	15+85.32	56.98' RT	689.41
H	15+99.84	55.93' RT	688.90
I	16+23.72	54.67' RT	688.71
J	16+25.91	54.52' RT	688.71
K	16+43.31	53.87' RT	688.74
L	16+52.09	52.76' RT	688.80
M	16+68.32	54.75' RT	688.89
N	16+64.14	46.73' RT	688.79
O	16+50.27	46.75' RT	688.71
P	16+37.65	47.46' RT	688.65
Q	16+34.38	48.53' RT	688.61
R	16+30.16	48.92' RT	688.60
S	15+99.92	49.85' RT	688.81
T	15+78.39	51.41' RT	689.34
U	15+73.58	51.05' RT	689.34
V	15+55.72	51.01' RT	689.40
W	15+49.91	51.67' RT	689.47
X	15+37.07	53.11' RT	689.61
Y	15+17.72	61.00' RT	(690.19)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

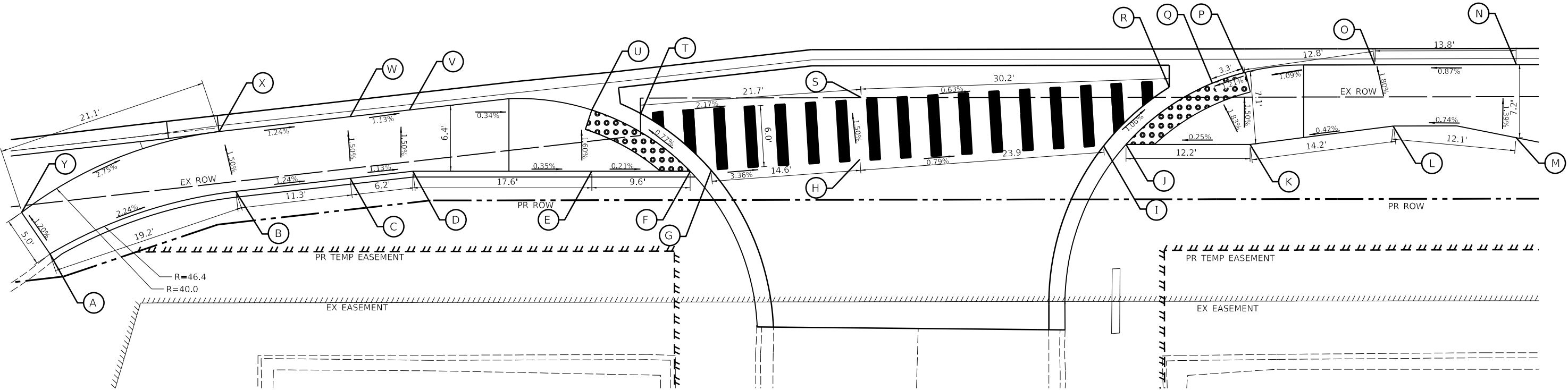


LEGEND

- (A) POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER

- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BLVD CENTERLINE ALIGNMENT

ORCHARD GATEWAY BOULEVARD



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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

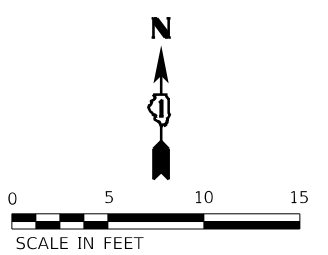
ORCHARD GATEWAY BOULEVARD
ADA DETAIL

SCALE: 1"=5' SHEET 3 OF 4 SHEETS STA. 15+17 TO STA. 16+46

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	74
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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ORCHARD GATEWAY BOULEVARD



LEGEND

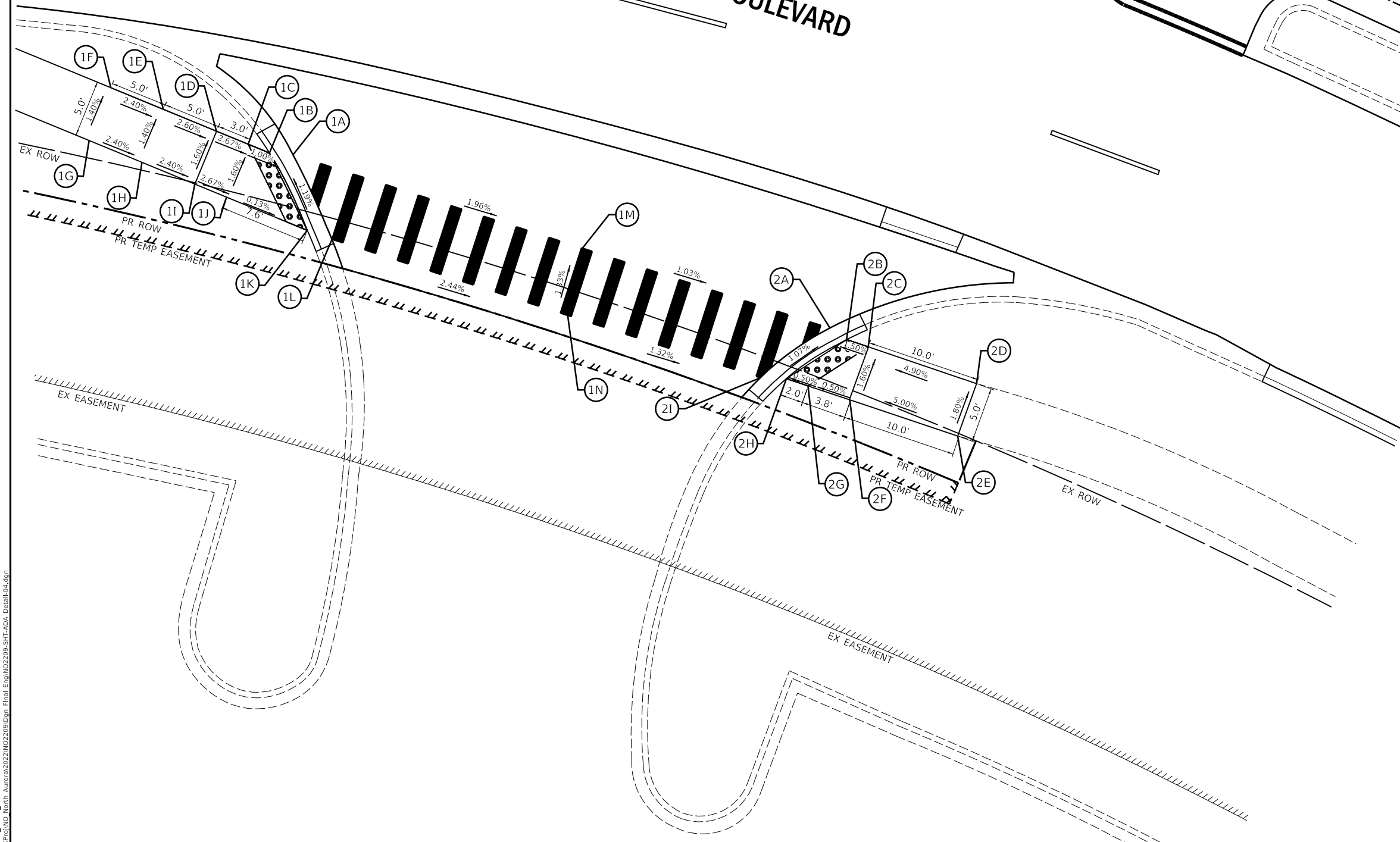
- (A) POINT
- [Pattern] DETECTABLE WARNING
- [Line] SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- [Line] PROPOSED CURB AND GUTTER

- NOTES:
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BLVD CENTERLINE ALIGNMENT

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A	23+45.43	45.46' RT	688.83
1B	23+43.18	45.82' RT	688.83
1C	23+41.00	45.54' RT	688.85
1D	23+37.74	45.10' RT	688.93
1E	23+32.31	44.33' RT	689.06
1F	23+26.91	43.51' RT	689.18
1G	23+25.96	48.43' RT	689.25
1H	23+31.42	49.27' RT	689.13
1I	23+36.91	50.05' RT	689.01
1J	23+42.41	50.78' RT	688.93
1K	23+48.66	51.54' RT	688.92
1L	23+51.21	51.72' RT	688.92
1M	23+74.71	46.17' RT	688.31
1N	23+75.40	52.20' RT	688.39

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A	23+99.48	45.54' RT	688.08
2B	24+01.67	45.95' RT	688.08
2C	24+03.87	45.87' RT	688.11
2D	24+14.86	45.30' RT	(688.60)
2E	24+15.13	50.17' RT	(688.69)
2F	24+04.15	50.77' RT	688.19
2G	23+99.80	50.95' RT	688.17
2H	23+97.56	51.04' RT	688.16
2I	23+95.15	51.76' RT	688.16

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING



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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
ADA DETAIL

SCALE: 1"=5' SHEET 4 OF 4 SHEETS STA. 23+15 TO STA. 24+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	75
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

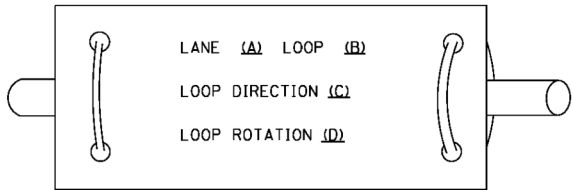
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE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

USER NAME = jmarvig PLOT SCALE = 1:2,000.09 PLOT DATE = 2/19/2025 2:18:01 PM MODEL Default FILE NAME: H:\SOSK\Proj\NO North Aurora\2022\NO2209\09 Dgn Final Eng\NO2209-SHT-Details-D1-16.dgn		DESIGNED - IP DRAWN - IP CHECKED - LP DATE - 9/29/2016		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000 ' / in. PLOT DATE = 3/4/2019		CHECKED - LP DATE - 9/29/2016		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ORCHARD GATEWAY BOULEVARD STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05		CONTRACT NO.		
SCALE: NONE		SHEET 1 OF 7 SHEETS		STA. TO STA.		SCALE: N.T.S.		SHEET 1 OF 7 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT		
Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com		DESIGNED - DRAWN - CHECKED - DATE -		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ORCHARD GATEWAY BOULEVARD STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS
VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542		DESIGNED - DRAWN - CHECKED - DATE -		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ORCHARD GATEWAY BOULEVARD STANDARD TRAFFIC SIGNAL DESIGN DETAILS		0054		21-00057-00-CH	KANE	118
												CONTRACT NO. 61L39		76
												ILLINOIS FED. AID PROJECT		

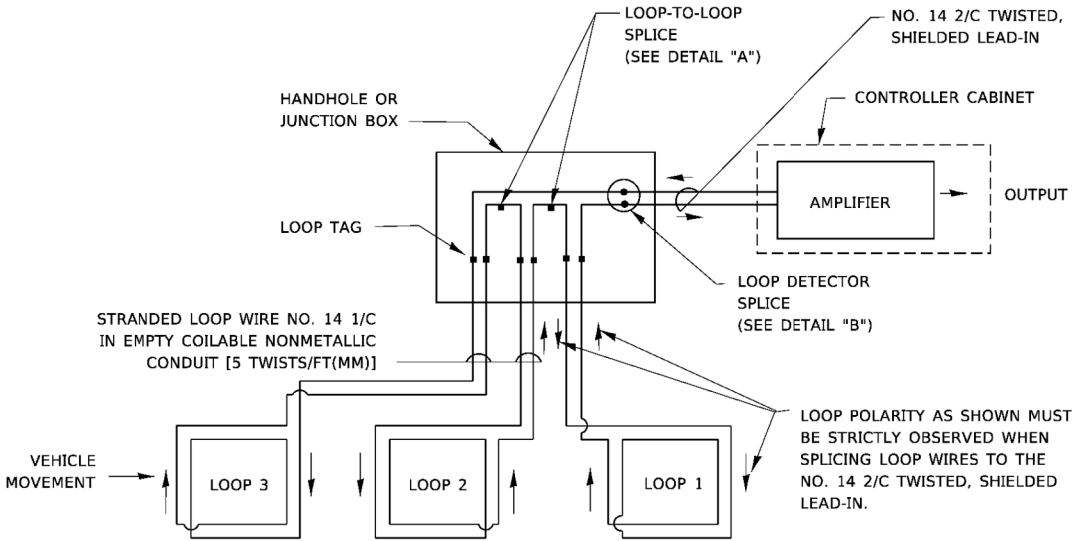
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

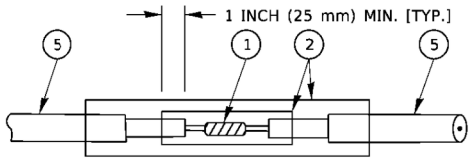


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

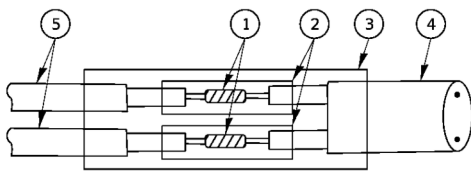


DETECTOR LOOP WIRING SCHEMATIC

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

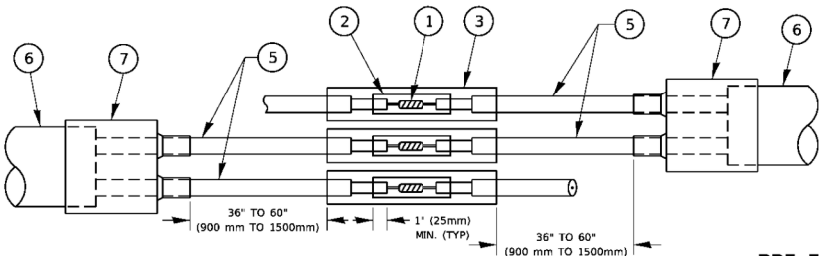


DETAIL "A"
LOOP-TO-LOOP SPLICE

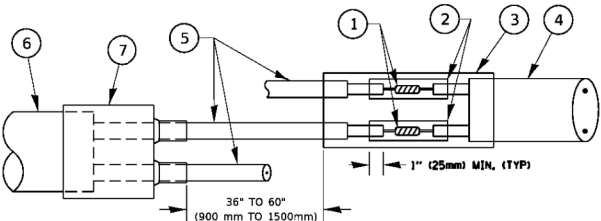


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



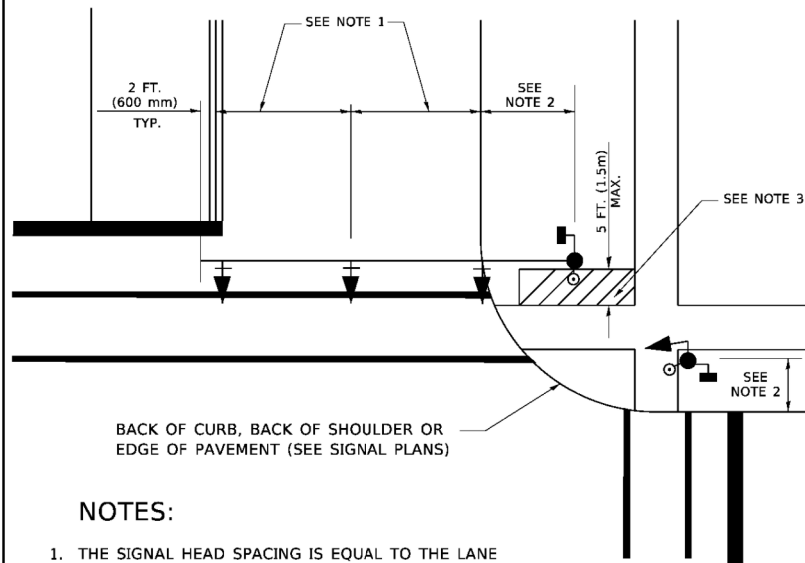
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

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



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."

3.5 FT (1.1m)
PEDESTRIAN

7 FT (2.1m)
EQUESTRIAN

8 FT (2.4 m) MIN.
TO 10' (3.0 m) MAX.

SEE TABLE 1

SEE NOTE 1

SIDEWALK

BACK OF CURB, BACK OF SHOULDER
OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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."

5.0 FT.
(1.5 m) MAX.

1.5 FT.
(0.45 m) MIN.

6.0 FT.*
(1.8 m) MAX.

10 FT (3.0 m) MIN.

5.0 FT.
(1.5 m) MAX.

1.5 FT.
(0.45 m) MIN.

6.0 FT.*
(1.8 m) MAX.

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.

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

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.

USER NAME = footernj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/4/2019	DATE -	REVISED -

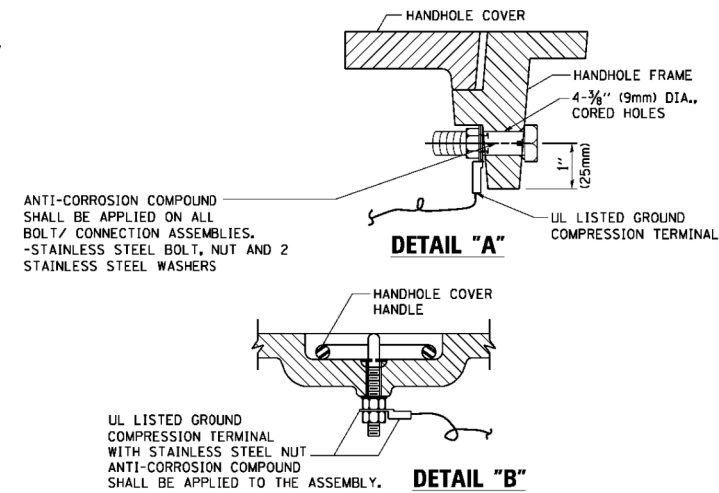
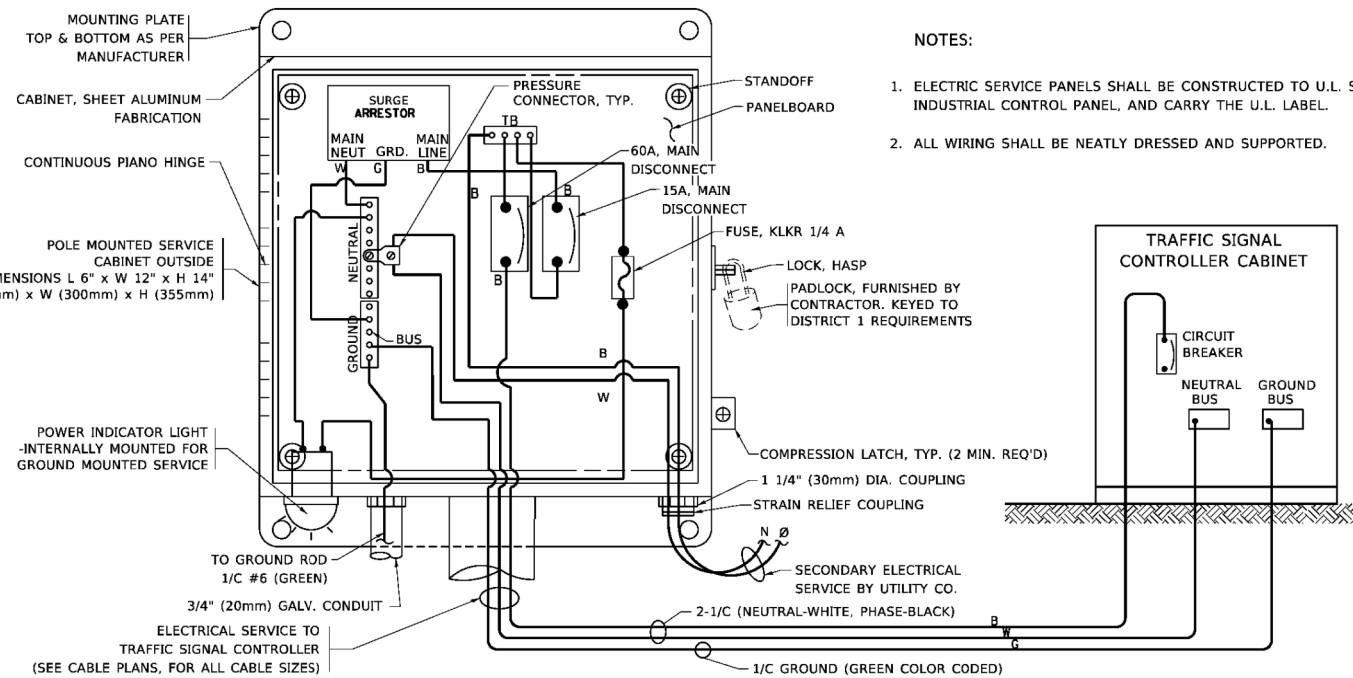
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET 3	OF 7	SHEETS	STA.	TO STA.
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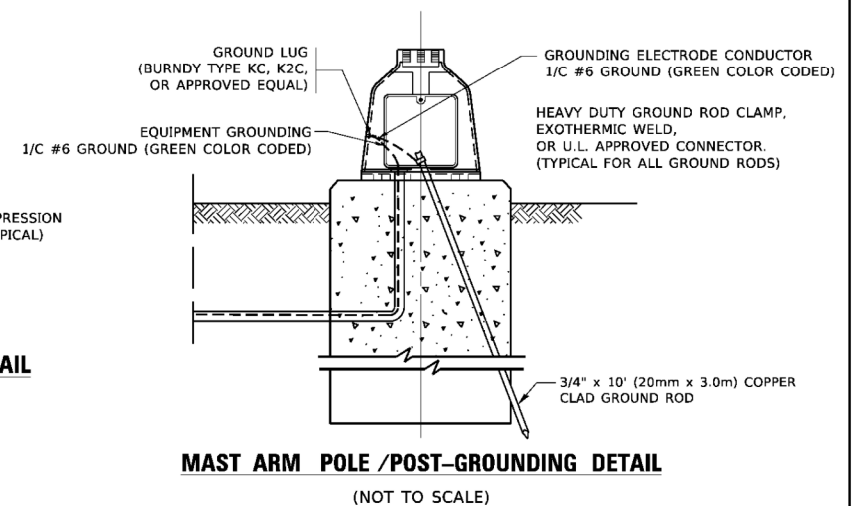
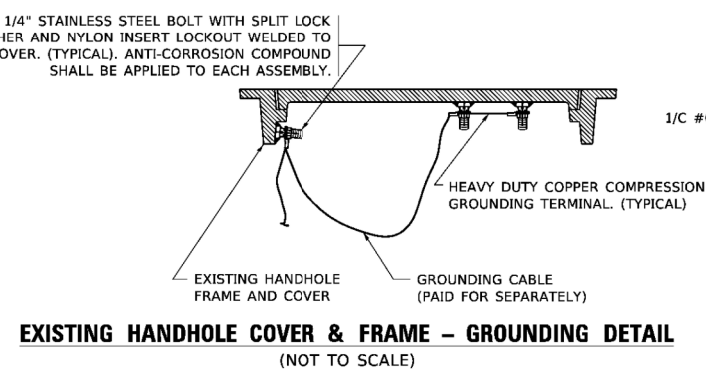
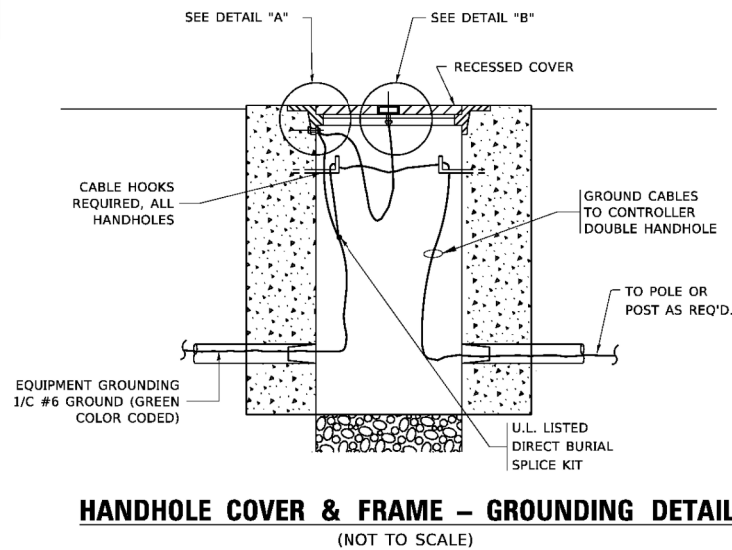
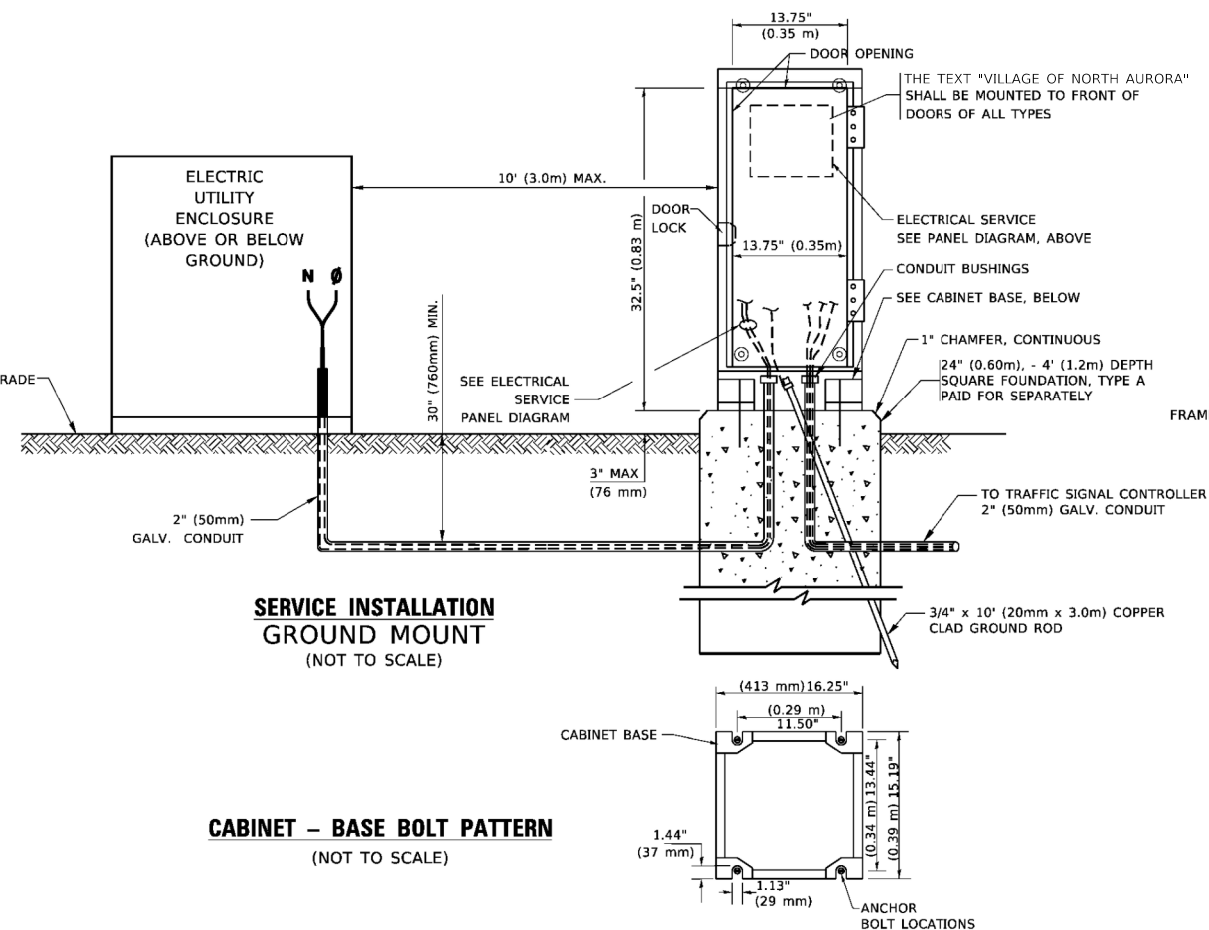
ORCHARD GATEWAY BOULEVARD STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	78
		CONTRACT NO. 61L39		
ILLINOIS		FED. AID PROJECT		



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



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

USER NAME = footerj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 1 / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE				
STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
SCALE: NONE	SHEET 4	OF 7	SHEETS	STA. TO STA.

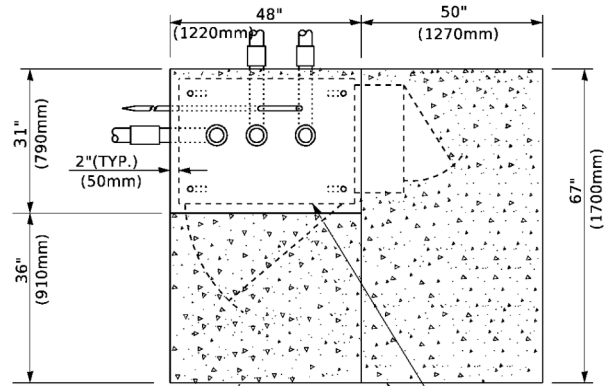
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

AGE OF NORTH AURORA EAST STATE STREET NORTH AURORA, IL 60542	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
	DATE	REVISED	

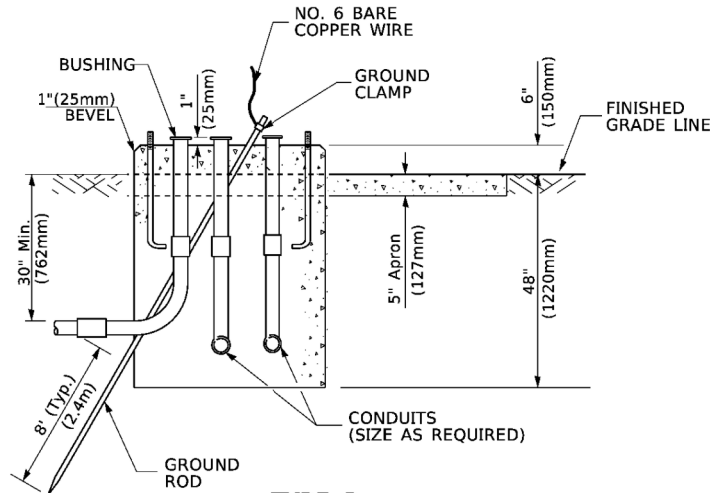
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
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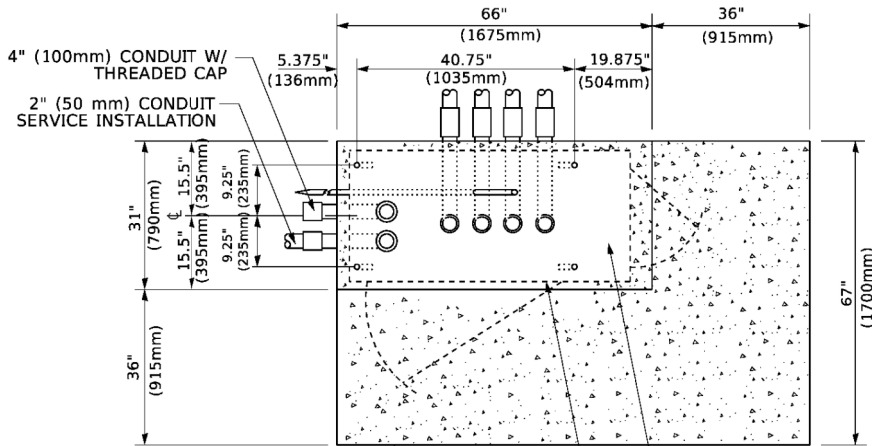
	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
	0054	21-00057-00-CH	KANE	118
	CONTRACT NO. 6			



TOP VIEW



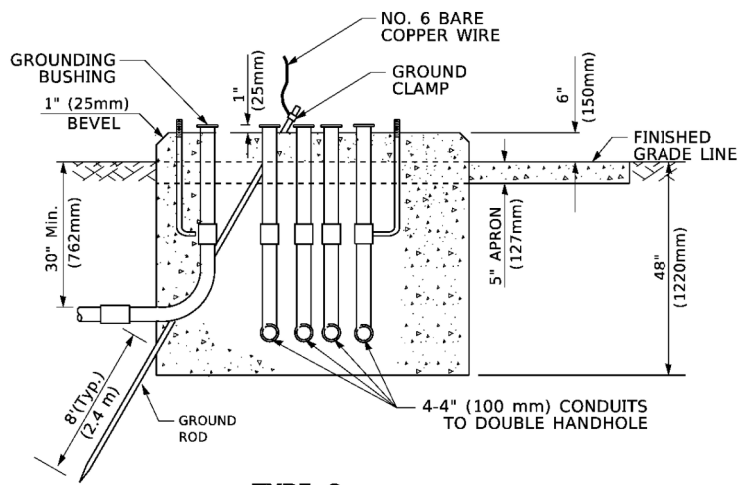
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



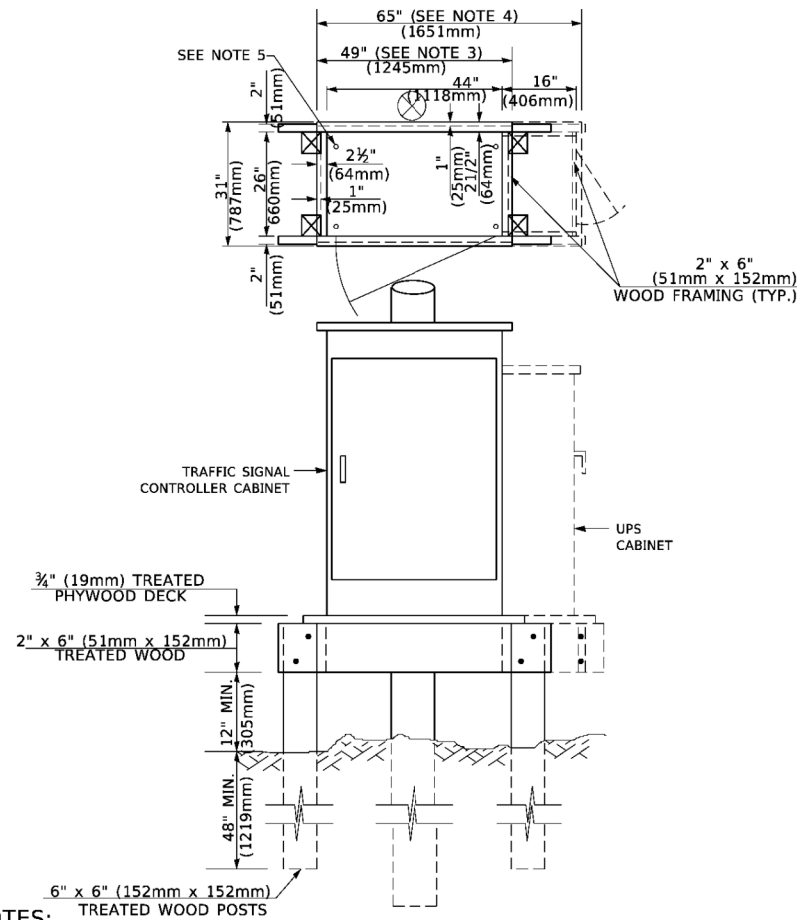
NOTE:

TOP OF FOUNDATION SHALL
BE HIGHER THAN TOP OF
DOUBLE HANDHOLE

TOP VIEW



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

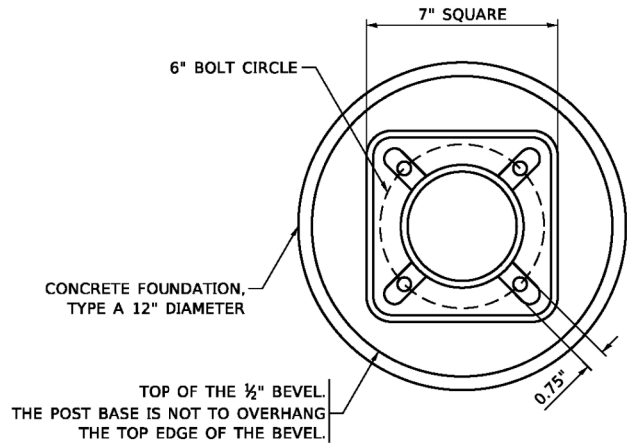
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

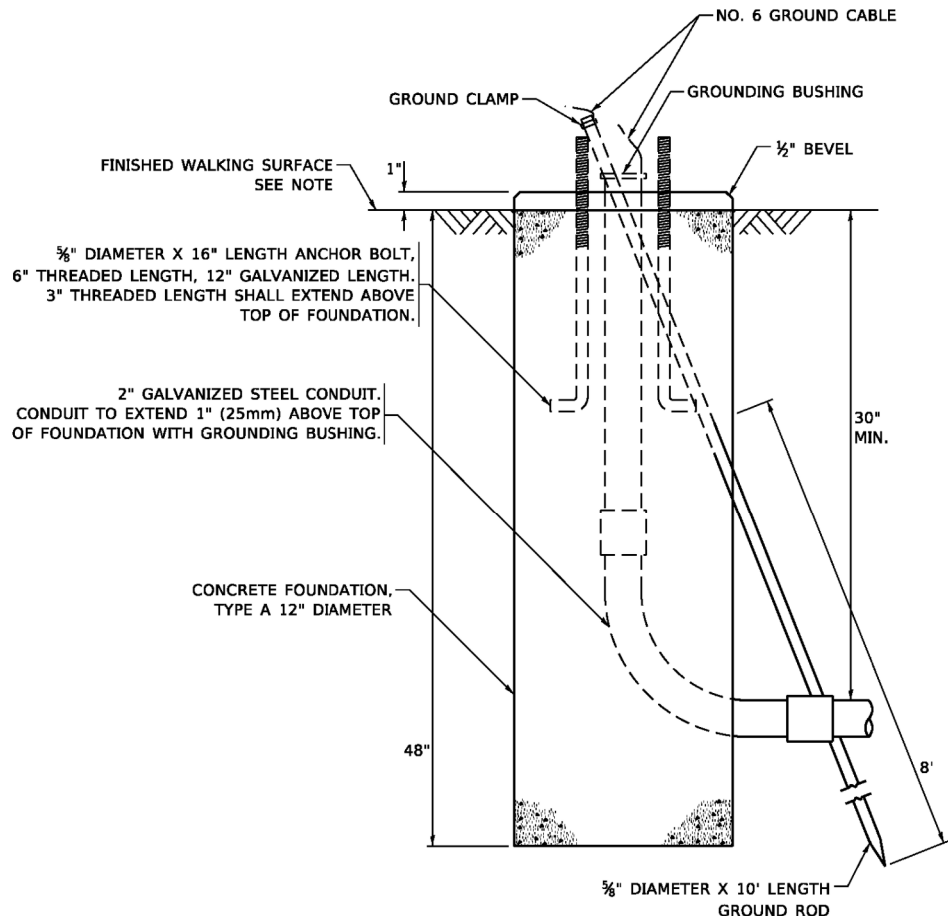
USER NAME = footemj		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / in.		DRAWN -	REVISED -					TS-05		CONTRACT NO.		
PLOT DATE = 3/4/2019		CHECKED -	REVISED -					ILLINOIS		FED. AID PROJECT		
		DATE -	REVISED -									
Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ORCHARD GATEWAY BOULEVARD STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542		DRAWN -	REVISED -					0054	21-00057-00-CH	KANE	118	80
		CHECKED -	REVISED -					ILLINOIS		FED. AID PROJECT		
		DATE -	REVISED -									



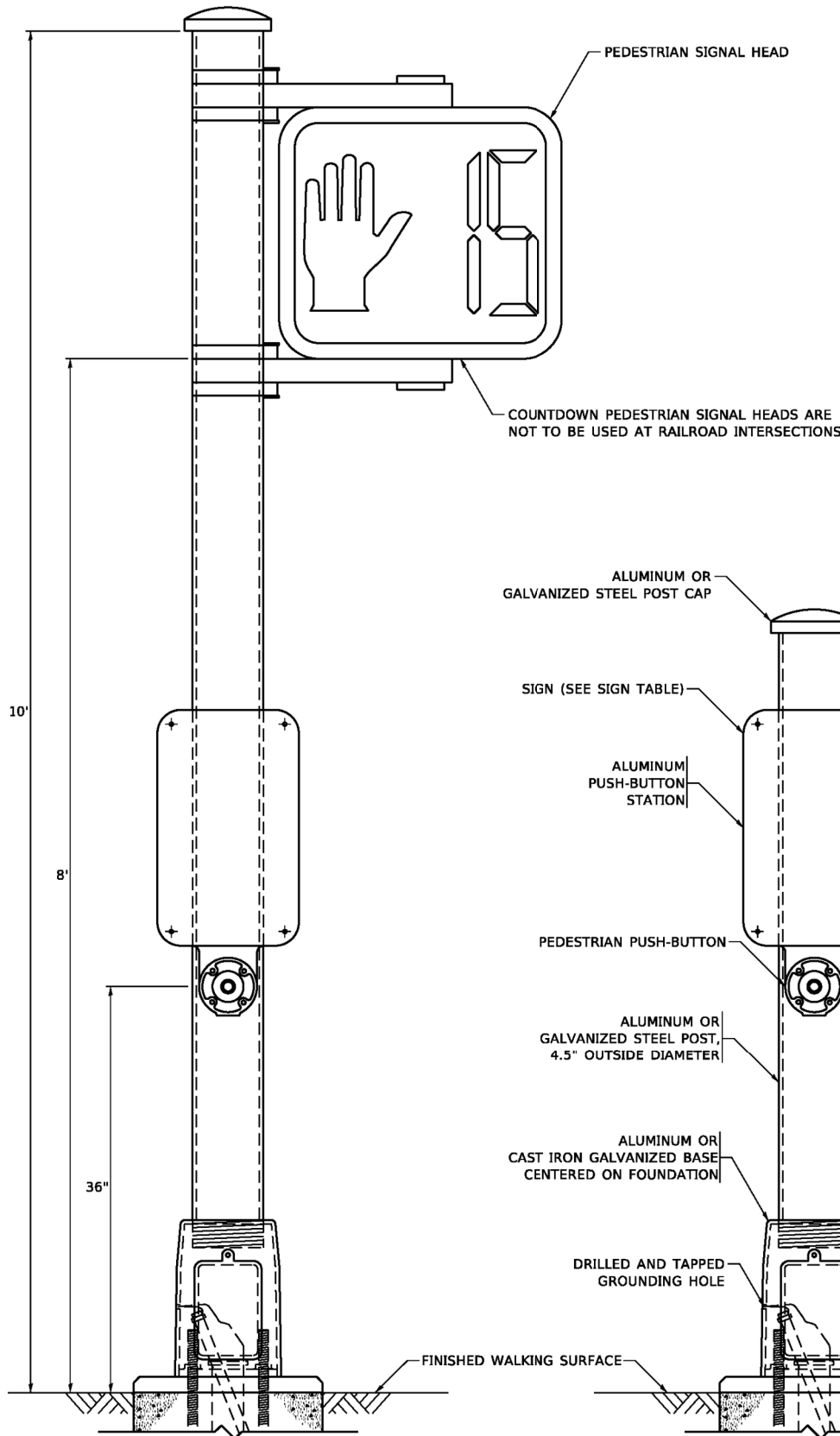
BOLT PATTERN

NOTE:

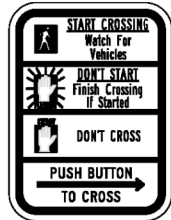
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



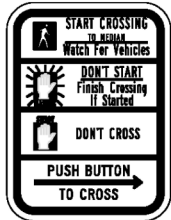
CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER



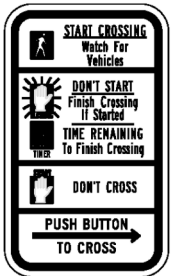
PEDESTRIAN SIGNAL POST, 10 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

NOTES:

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

PEDESTRIAN SIGNAL POST, 5 FT.



Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

ORCHARD GATEWAY BOULEVARD
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

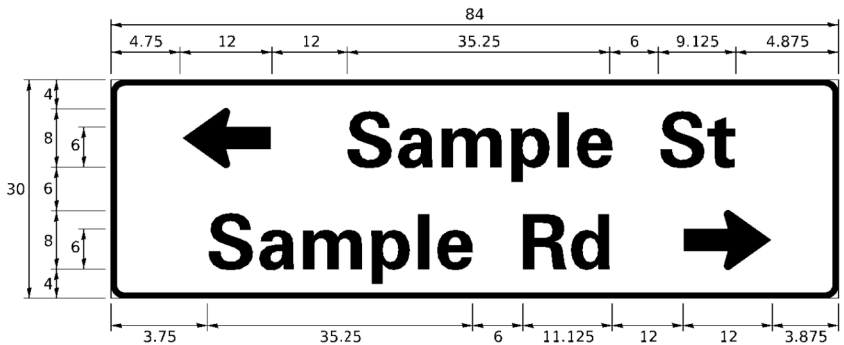
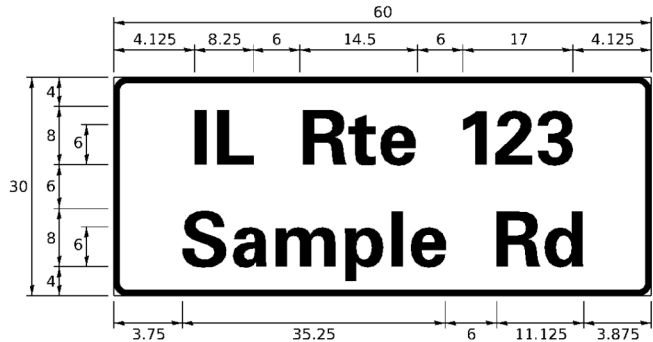
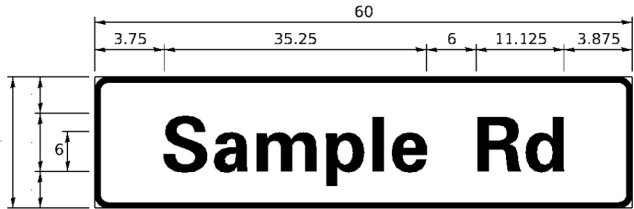
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	82
CONTRACT NO. 61L39				

ILLINOIS FED. AID PROJECT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	82
CONTRACT NO. 61L39				

ILLINOIS FED. AID PROJECT

SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

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

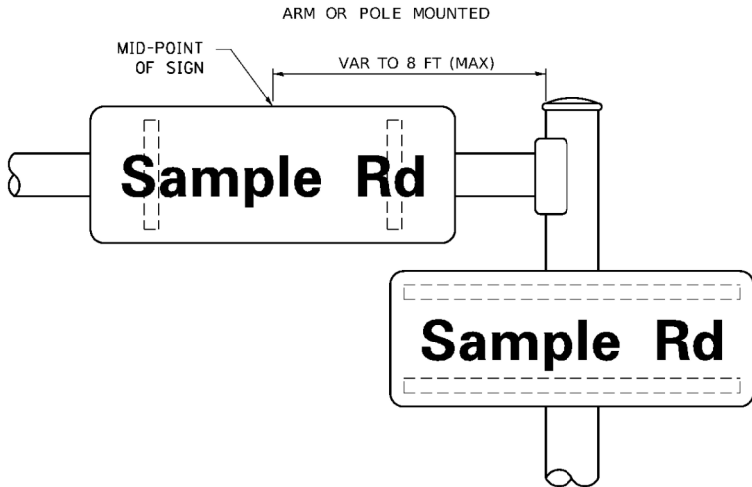
PARTS LISTING:

SIGN CHANNEL
SIGN SCREWS

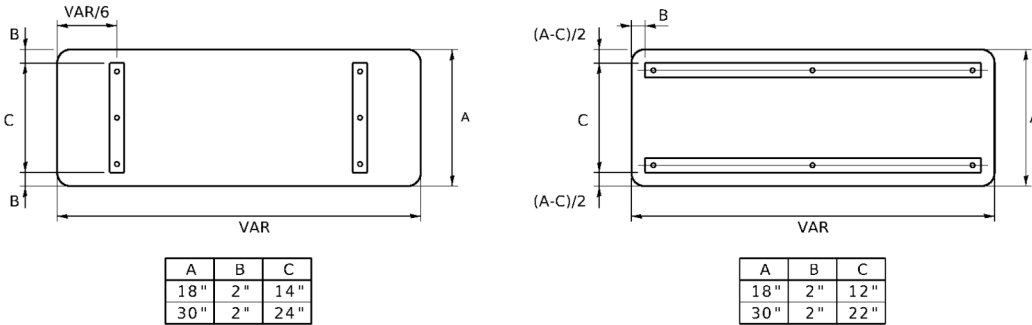
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

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

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

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DRAWN - LP
CHECKED - IP
DATE - 10/01/2014

REVISED - LP 07/01/2015
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

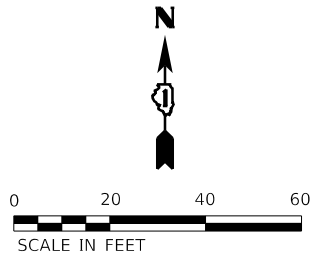
F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
TS-02 CONTRACT NO.
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
MAST ARM MOUNTED STREET NAME SIGN DETAILS

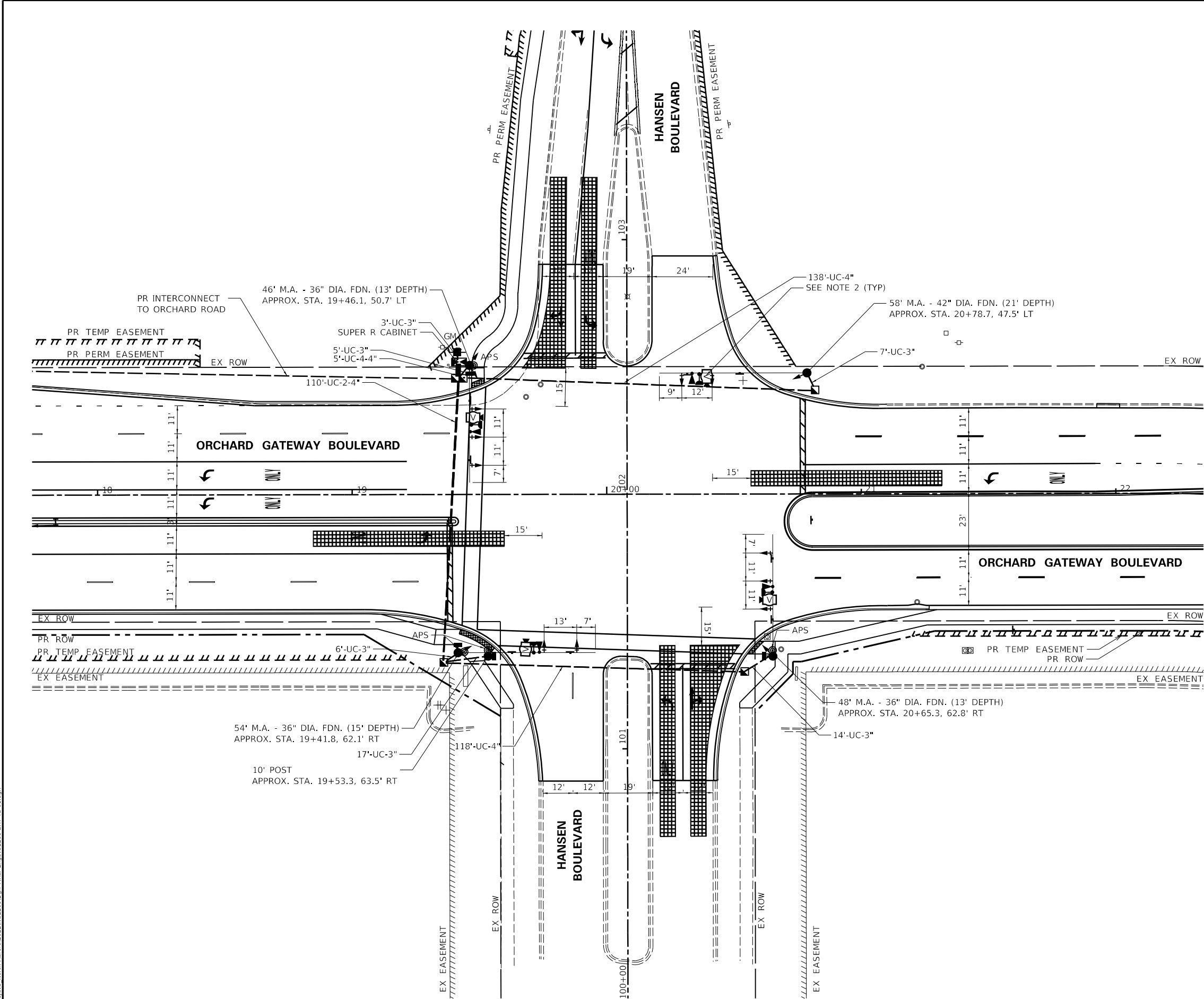
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
0054 21-00057-00-CH KANE 118 83
CONTRACT NO. 61L39
ILLINOIS FED. AID PROJECT



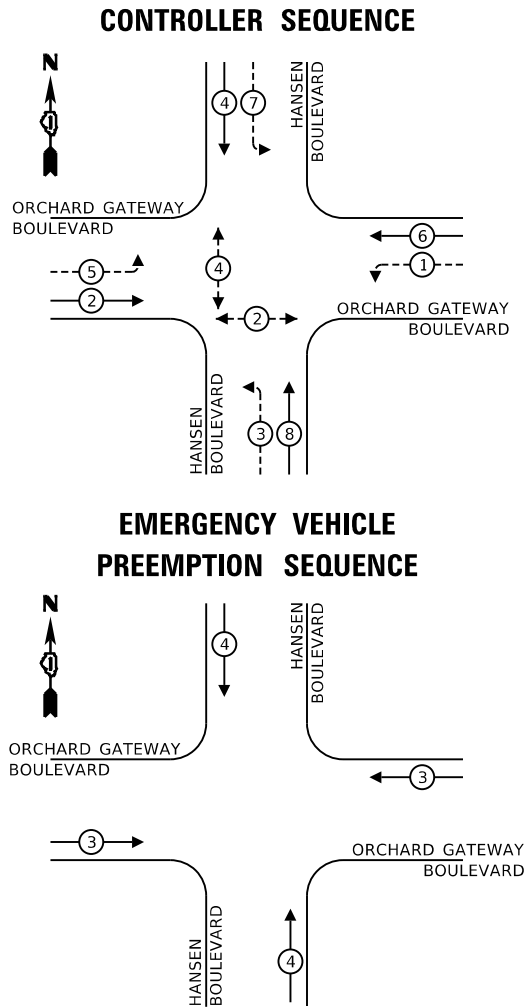
NOTES:

- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BLVD CENTERLINE ALIGNMENT.
- THE MOUNTING LOCATIONS OF VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
- THE INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS SHALL INCLUDE THE VIBROTACTILE PEDESTRIAN PUSH BUTTON WITH SPEAKER, AN INFORMATION SIGN, A LIGHT-EMITTING DIODE (LED) INDICATOR LIGHT, A SOLID-STATE ELECTRONIC CONTROL BOARD, A POWER SUPPLY, INTERNAL WIRING AND MOUNTING HARDWARE.
- THE INFORMATION SIGN SHALL CONFORM TO THE MUTCD STANDARD R10-3E (BRAILLE SIGN). THE SELECTION OF THE SIGN SHALL BE APPROVED BY THE ENGINEER.
- ALL PEDESTRIAN PUSH BUTTON POSTS SHALL BE LOCATED AS SHOWN IN THE PLANS.
- ALL PEDESTRIAN PUSH BUTTONS SHALL BE WITHIN 10 FT. FROM THE BACK OF THE CURB OR THE EDGE OF PAVEMENT FOR EACH CROSSING. THE CONTRACTOR SHALL INSTALL PEDESTRIAN PUSH BUTTON EXTENSIONS TO MEET THIS REQUIREMENT.
- MOUNTING HEIGHT OF PEDESTRIAN PUSH BUTTONS SHALL BE 36 INCHES (PREFERRED) FROM THE SIDEWALK SURFACE.
- SHOP DRAWINGS FOR ALL SIGNAL IMPROVEMENTS INCLUDING APS IMPROVEMENTS SHALL BE PROVIDED TO THE VILLAGE OF NORTH AURORA PRIOR TO ANY SUBMITTAL FOR LOCAL ROADS REVIEW.
- THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTICP (LATEST VERSION)
- A CHANGABLE MESSAGE SIGN WILL BE REQUIRED TO BE IN PLACE ON EACH LEG FOR TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED ON.



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TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT	TOTAL WATTAGE
SIGNAL HEAD 3-SECTION	6	11	66
4-SECTION		14	
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION		22	
4-SECTION		32	
5-SECTION		28	
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS	1	25	25
DETECTION RADAR		20	
VIDEO	4	20	80
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR II		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			485
UPS SIZING WITH 86% MINIMUM INVERTER EFFICIENCY			1000
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			1103
ENERGY COSTS TO:			
VILLAGE OF NORTH AURORA			
25 EAST STATE STREET			
NORTH AURORA, IL 60542			
ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT			
PHONE: 866-639-3532			
COMPANY: COMMONWEALTH EDISON			
ACCOUNT NUMBER:			
Engineering Enterprises, Inc.			
CONSULTING ENGINEERS			
52 Wheeler Road			
Sugar Grove, Illinois 60554			
630.466.6700 / www.eelweb.com			
VILLAGE OF NORTH AURORA			
25 EAST STATE STREET			
NORTH AURORA, IL 60542			
DESIGNED -	REVISED -		
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CHECKED -	REVISED -		
DATE -	REVISED -		



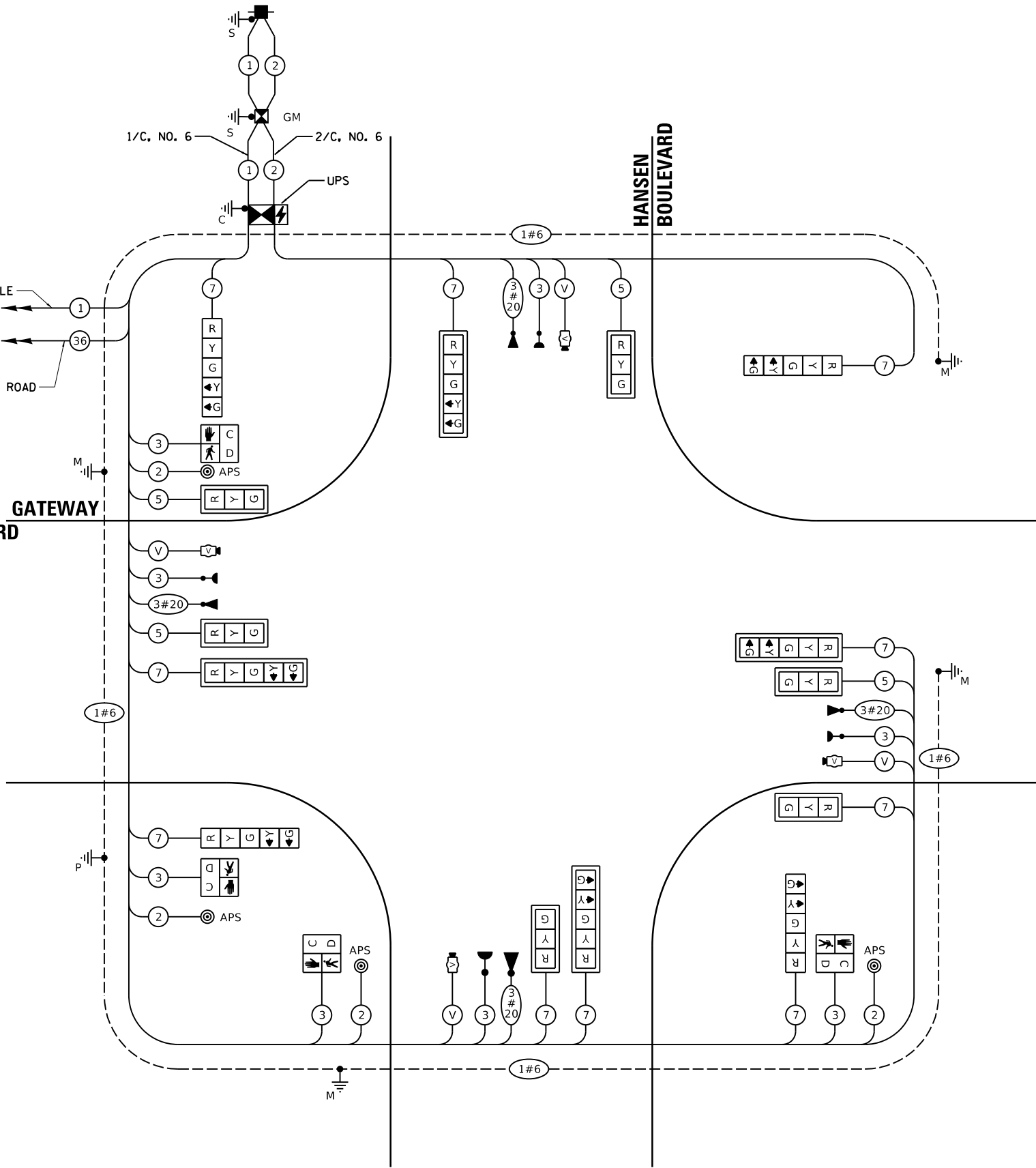
LEGEND:

- ← (⊛) ← PROTECTED PHASE
- ← (⊛) - - - PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL OVERLAP

PROP. TRACER CABLE

PROP. INTERCONNECT TO ORCHARD ROAD

ORCHARD GATEWAY BOULEVARD



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EVP SEQUENCE

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

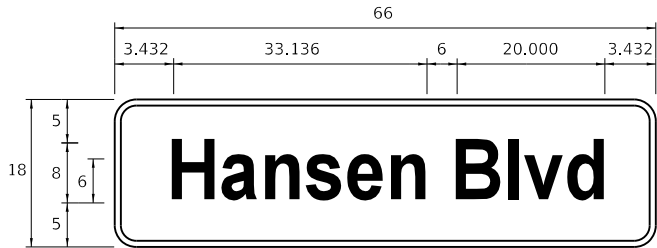
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	85
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

TS XXX
EAGLE XX OR ECON XX

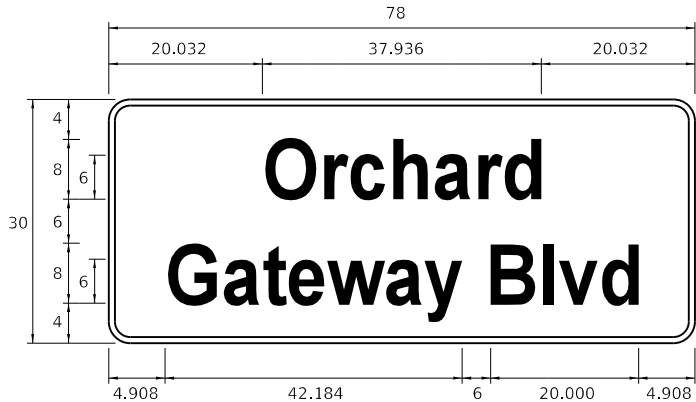
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SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	16.25	2	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	43.6
SIGN PANEL - TYPE 2	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	63
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	496
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	714
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,586
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,295
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,667
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	10
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	874
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
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	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	10
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,252
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1
UNINTERRPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4

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50 YEARS



Engineering Enterprises, Inc.

CONSULTING ENGINEERS

52 Wheeler Road

Sugar Grove, Illinois 60554

630.466.6700 / www.eeiweb.com

VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

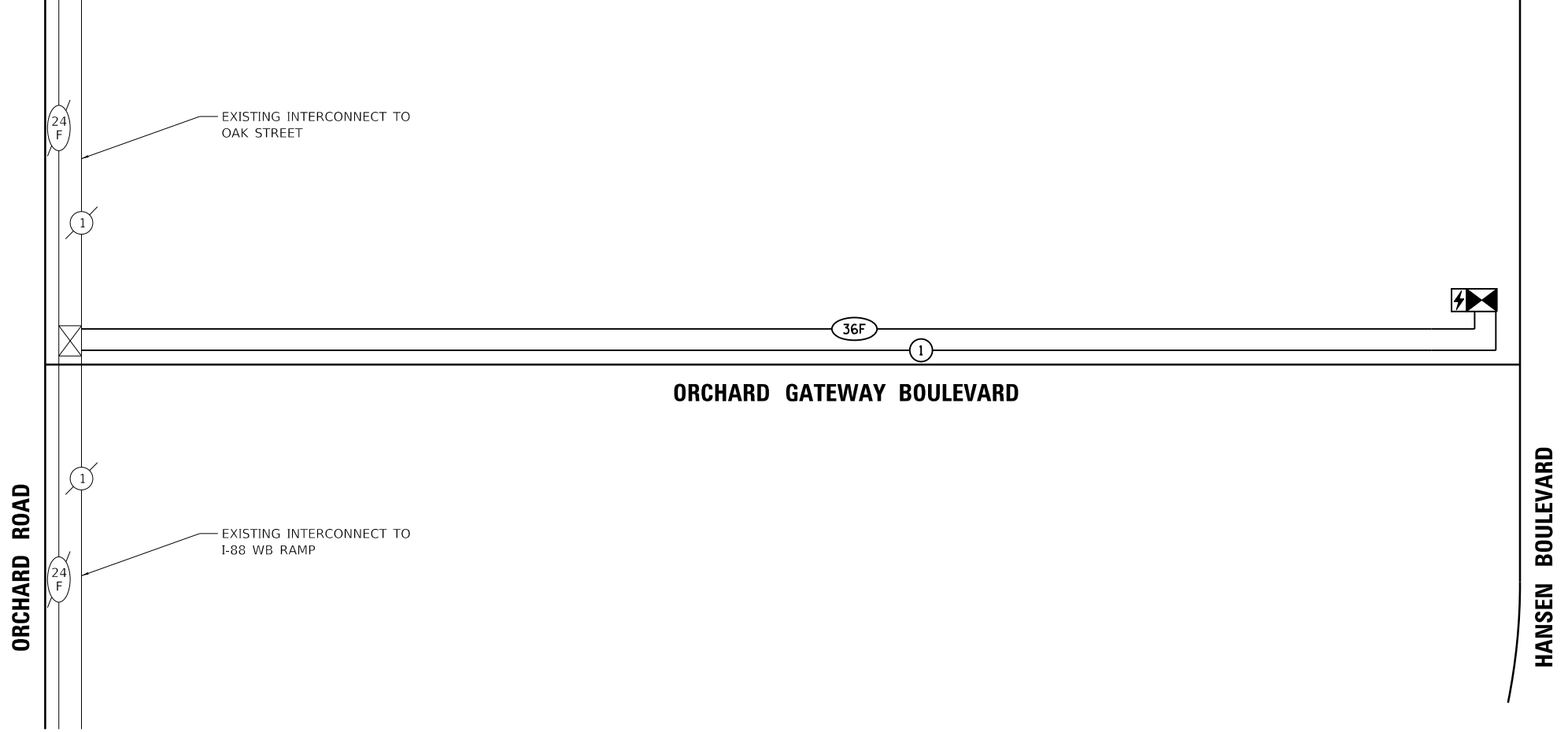
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CHECKED	-	REVISED	-
DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	87
CONTRACT NO. 61L39				
		ILLINOIS	FED. AID PROJECT	



INTERCONNECT SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	496
HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	471
DRILL EXISTING HANDHOLE	EACH	1
NETWORK CONFIGURATION	L SUM	1
LAYER II (DATALINK) SWITCH	EACH	1
FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	471
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
THREE CELL FABRIC INNERDUCT	FOOT	439
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL 2	EACH	1



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Engineering Enterprises, Inc.
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630.466.6700 / www.eelweb.com

VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -
DRAWN -
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DATE -

REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

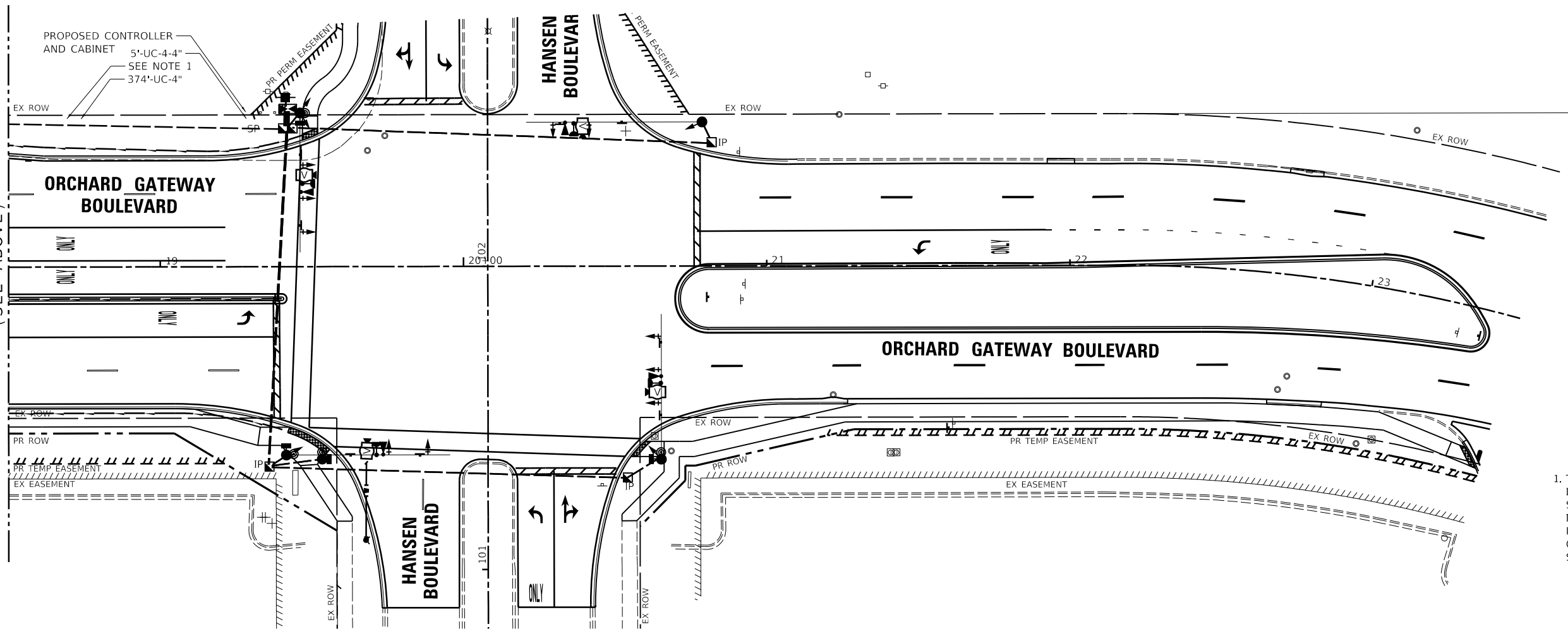
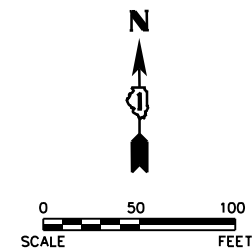
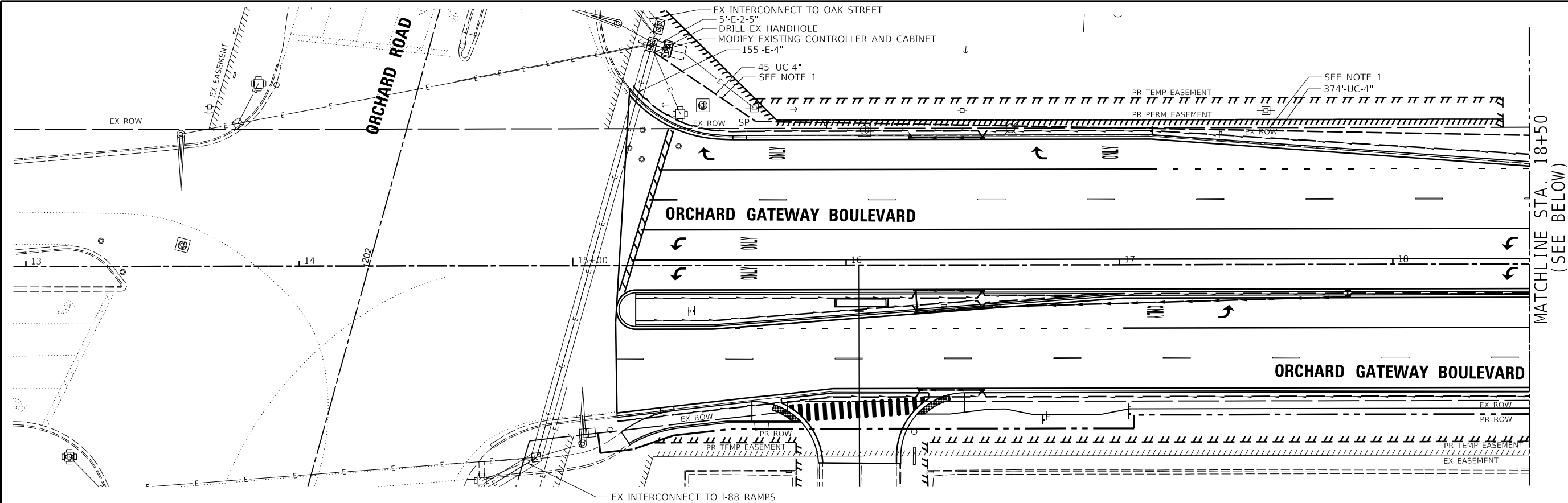
ORCHARD GATEWAY BOULEVARD
PROPOSED INTERCONNECT PLAN
SCALE: 1"=20'
SHEET 1 OF 1 SHEETS
STA. 15+17 TO STA. 23+50

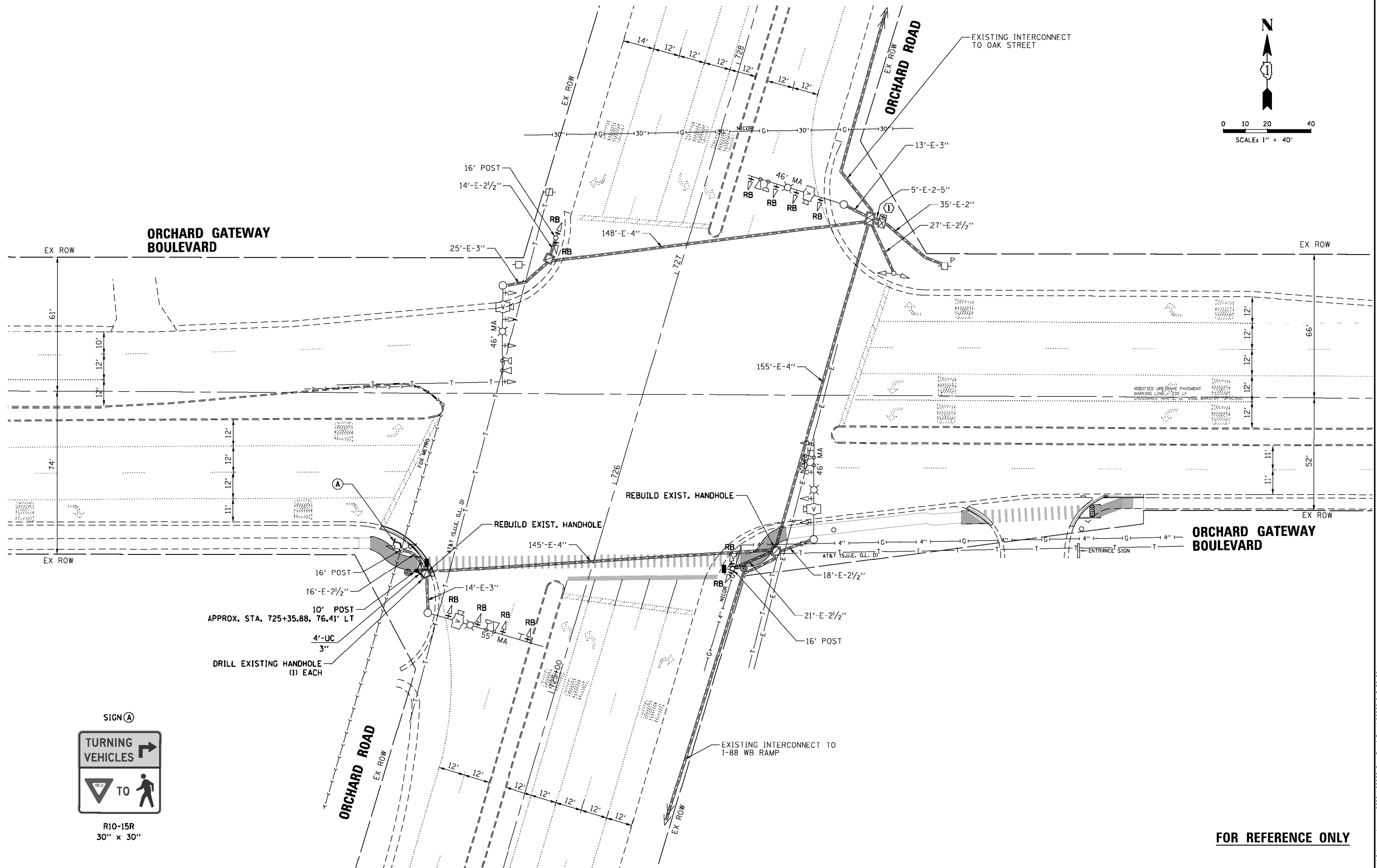
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	88
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 18+50
(SEE ABOVE)

NOTES:
1. THE CONTRACTOR SHALL INSTALL 3 CELL FABRIC INNERDUCT IN 4 INCH CONDUIT. TIE OFF PULL STRINGS WITHIN HANDHOLE SHALL BE PROVIDED IN METHOD RECOMMENDED BY INNERDUCT MANUFACTURER. ALL CONDUIT SHALL BE COILABLE NON-METALLIC CONDUIT OF THE SIZE SPECIFIED OM THE PLANS.

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FOR REFERENCE ONLY

The diagram shows a four-way intersection. The vertical road is Orchard Road, and the horizontal road is Orchard-Gateway Boulevard. A north arrow points up. Traffic lights are numbered 1 through 8. Lane numbers 1 through 8 are in circles. Arrows indicate traffic flow. 'OL' labels indicate one-way streets.

- Top Left (North):** A north arrow points up. A traffic light (1) is on the left side of the road. A '1' in a circle is on the left side of the road.
- Top Right (Orchard Road):** A traffic light (6) is on the left side of the road. A '6' in a circle is on the left side of the road. A '1' in a circle is on the right side of the road. A '1' in a circle is on the right side of the road. A '1' in a circle is on the right side of the road. A '1' in a circle is on the right side of the road.
- Bottom Left (Orchard Road):** A traffic light (7) is on the left side of the road. A '7' in a circle is on the left side of the road. A '4' in a circle is on the left side of the road. A '4' in a circle is on the left side of the road. A '4' in a circle is on the left side of the road. A '4' in a circle is on the left side of the road.
- Bottom Right (Orchard-Gateway Boulevard):** A traffic light (8) is on the left side of the road. A '8' in a circle is on the left side of the road. A '3' in a circle is on the right side of the road. A '3' in a circle is on the right side of the road. A '3' in a circle is on the right side of the road. A '3' in a circle is on the right side of the road.

OVERLAP LETTER	=	PERMISSIVE PHASE	+	PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

The diagram shows a four-way intersection. The vertical road is labeled "ORCHARD ROAD" and the horizontal road is labeled "ORCHARD-GATEWAY BOULEVARD". A north arrow is located in the top left corner. The traffic flow is as follows:

- Northbound (Orchard Road):**
 - Left turn: circled 1
 - Through/Right turn: circled 2
- Southbound (Orchard Road):**
 - Through/Right turn: circled 4
 - Left turn: circled 3
- Eastbound (Orchard-Gateway Boulevard):**
 - Through/Right turn: circled 6
 - Left turn: circled 5
- Westbound (Orchard-Gateway Boulevard):**
 - Through/Right turn: circled 6
 - Left turn: circled 5

<u>OVERLAP</u> <u>LETTER</u>	=	<u>PERMISSIVE</u> <u>PHASE</u>	+	<u>PROTECTED</u> <u>PHASE</u>
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 3-SECTION	16	11	176
4-SECTION		14	
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION		22	
4-SECTION		32	
5-SECTION		28	
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS	1	25	25
DETECTION RADAR		20	
VIDEO	4	20	80
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			565
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE	4	240	960
TOTAL SERVICE WIRE SIZING			2130

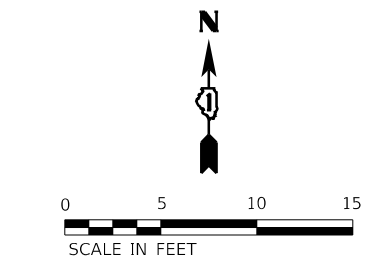
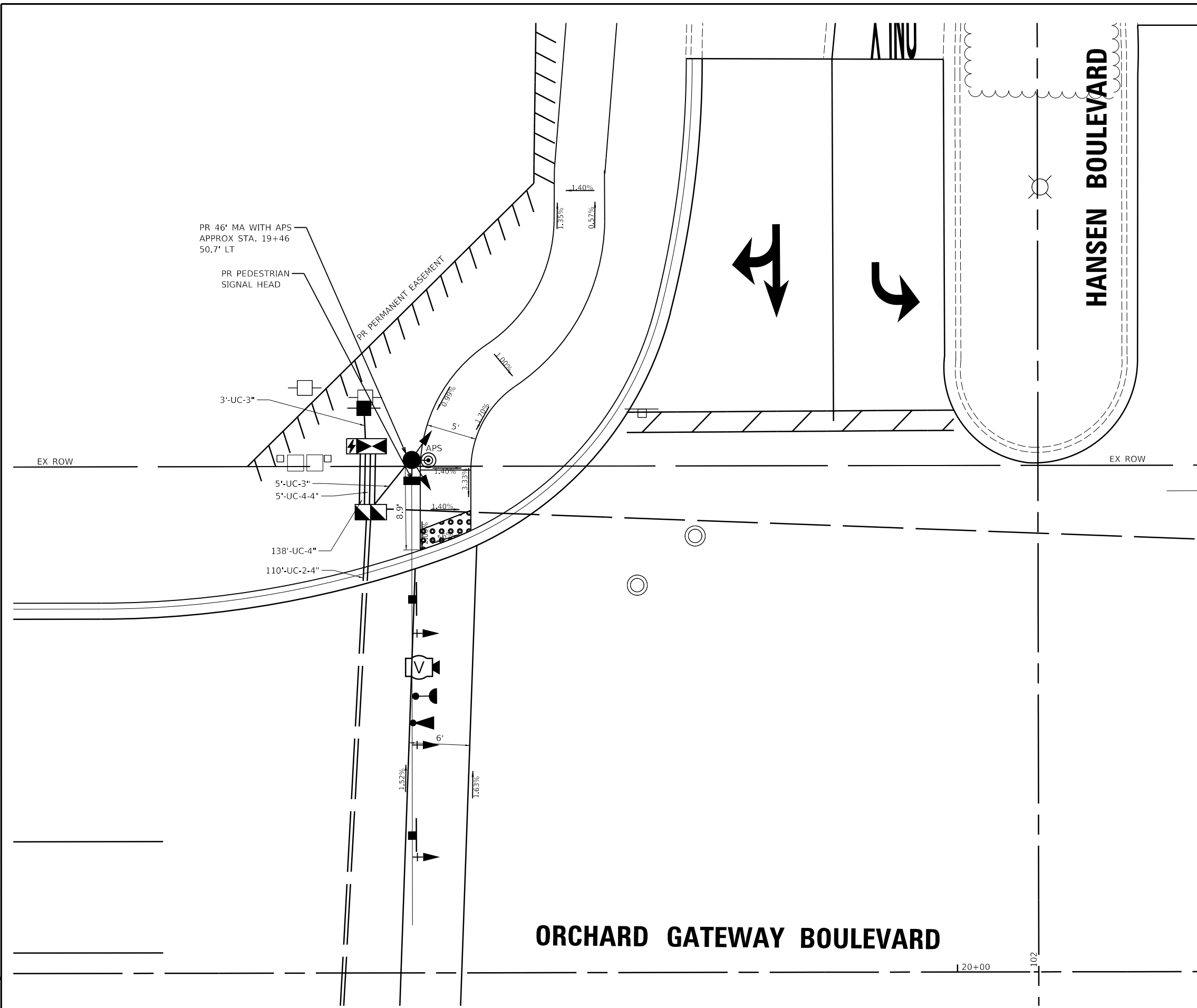
THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO INSTALL THE PROPOSED INTERCONNECT TO HANSEN BOULEVARD.

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	90
		CONTRACT NO. 61L39		
ILLINOIS		FED. AID PROJECT		

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
ORCHARD ROAD AND ORCHARD GATEWAY BOULEVARD

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LEGEND	
	PR PEDESTRIAN PUSH BUTTON
	PR UNDERGROUND CONDUIT
	PR ADA DETECTABLE WARNING
	PR HANDHOLE
	PR SIGNAL POST
	PR SIGNAL HEAD
	PR PEDESTRIAN SIGNAL HEAD
	PR SIGN PANEL

- GENERAL NOTES**
1. THE INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS SHALL INCLUDE THE INTERACTIVE VIBROTACTINE PEDESTRIAN PUSH-BUTTON WITH SPEAKER, AN INFORMATIONAL SIGN, A LIGHT-EMITTING DIODE (LED) INDICATOR LIGHT, A SOLID-STATE ELECTRONIC CONTROL BOARD, A POWER SUPPLY, INTERNAL WIRING AND MOUNTING HARDWARE.
 2. THE INFORMATIONAL SIGN SHALL CONFORM TO THE MUTCD STANDARD R10-3E (BRAILLE SIGN). THE SELECTION OF THE SIGN SHALL BE APPROVED BY THE ENGINEER.
 3. ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
 4. ALL PEDESTRIAN PUSH-BUTTON POSTS SHALL BE LOCATED AS SHOWN IN THE PLANS.
 5. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE WITHIN 10 FT. FROM THE BACK OF THE CURB OR THE EDGE OF PAVEMENT FOR EACH CROSSING. THE CONTRACTOR SHALL INSTALL PEDESTRIAN PUSH-BUTTON EXTENSIONS TO MEET THIS REQUIREMENT.
 6. MOUNTING HEIGHT OF PEDESTRIAN PUSH-BUTTONS SHALL BE 36 INCHES (PREFERRED) FROM THE SIDEWALK SURFACE.

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52 Wheeler Road
Sugar Grove, Illinois 60554
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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

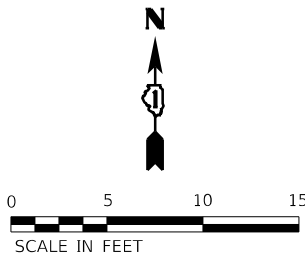
ORCHARD GATEWAY BOULEVARD
ACCESSIBLE PEDESTRIAN SIGNAL PLAN

SCALE: 1"=5' SHEET 1 OF 3 SHEETS STA. 19+07 TO STA. 20+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	91
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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ORCHARD GATEWAY BOULEVARD

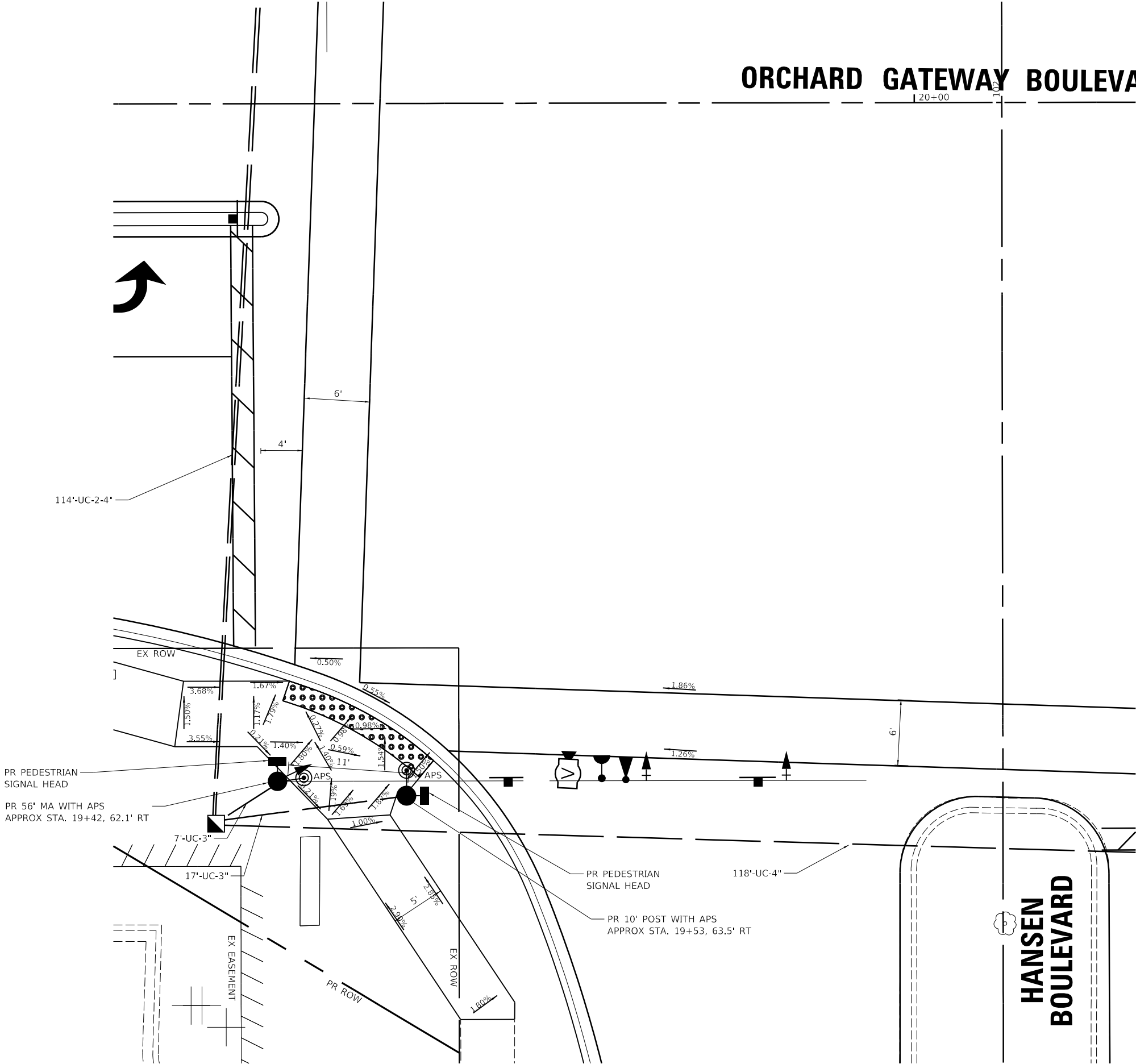


LEGEND

- PR PEDESTRIAN PUSH BUTTON
- PR UNDERGROUND CONDUIT
- PR ADA DETECTABLE WARNING
- PR HANDHOLE
- PR SIGNAL POST
- PR SIGNAL HEAD
- PR PEDESTRIAN SIGNAL HEAD
- PR SIGN PANEL

GENERAL NOTES

- THE INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS SHALL INCLUDE THE INTERACTIVE VIBROTACTINE PEDESTRIAN PUSH-BUTTON WITH SPEAKER, AN INFORMATIONAL SIGN, A LIGHT-EMITTING DIODE (LED) INDICATOR LIGHT, A SOLID-STATE ELECTRONIC CONTROL BOARD, A POWER SUPPLY, INTERNAL WIRING AND MOUNTING HARDWARE.
- THE INFORMATIONAL SIGN SHALL CONFORM TO THE MUTCD STANDARD R10-3E (BRAILLE SIGN). THE SELECTION OF THE SIGN SHALL BE APPROVED BY THE ENGINEER.
- ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
- ALL PEDESTRIAN PUSH-BUTTON POSTS SHALL BE LOCATED AS SHOWN IN THE PLANS.
- ALL PEDESTRIAN PUSH-BUTTONS SHALL BE WITHIN 10 FT. FROM THE BACK OF THE CURB OR THE EDGE OF PAVEMENT FOR EACH CROSSING. THE CONTRACTOR SHALL INSTALL PEDESTRIAN PUSH-BUTTON EXTENSIONS TO MEET THIS REQUIREMENT.
- MOUNTING HEIGHT OF PEDESTRIAN PUSH-BUTTONS SHALL BE 36 INCHES (PREFERRED) FROM THE SIDEWALK SURFACE.



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Sugar Grove, Illinois 60554
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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
ACCESSIBLE PEDESTRIAN SIGNAL PLAN

SCALE: 1"=5' SHEET 2 OF 3 SHEETS STA. 19+26 TO STA. 20+20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	92
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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YEARS



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25 EAST STATE STREET
NORTH AURORA, IL 60542

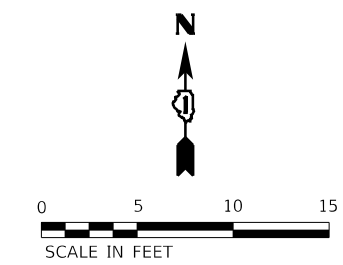
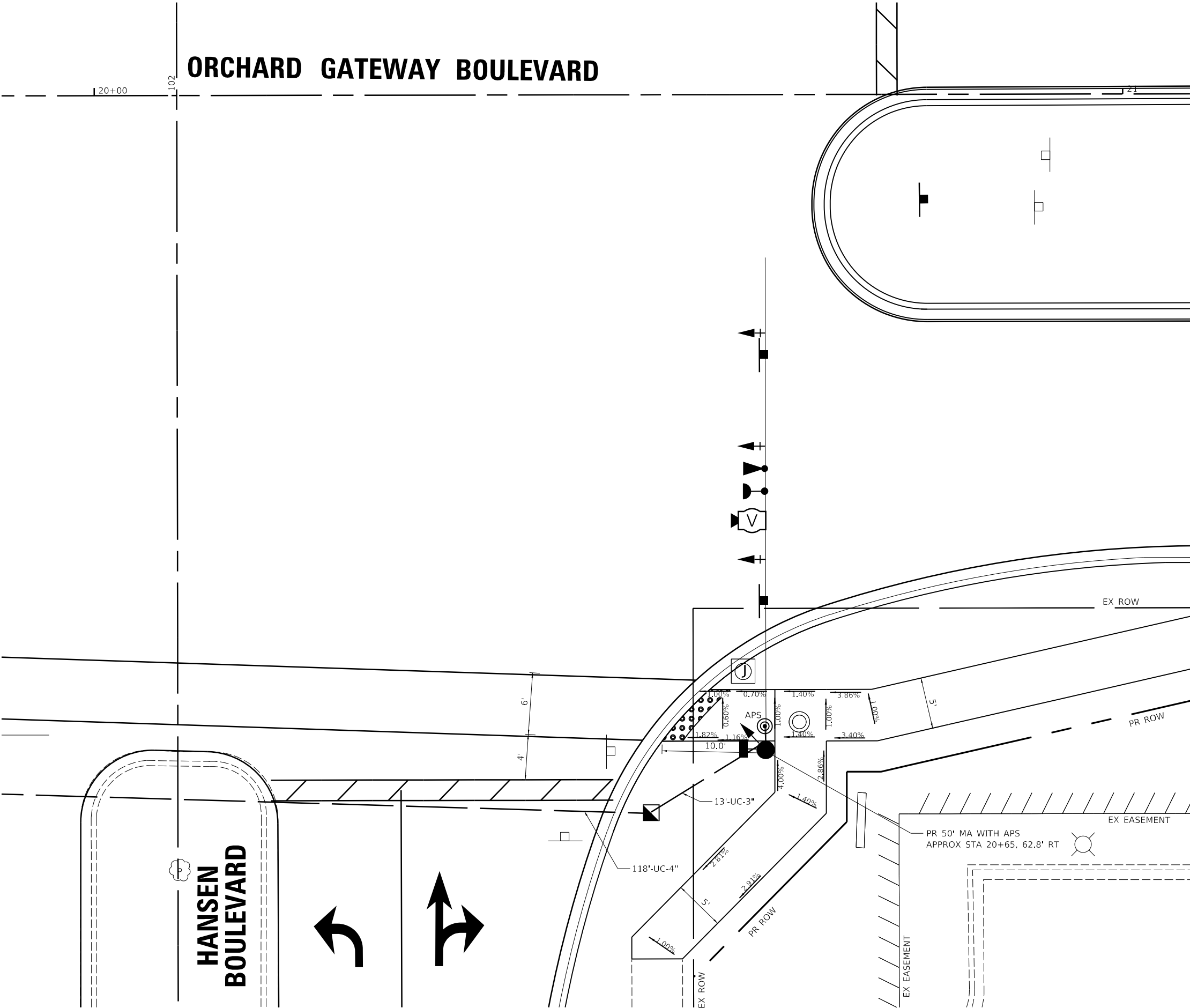
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
ACCESSIBLE PEDESTRIAN SIGNAL PLAN

SCALE: 1"=5' SHEET 3 OF 3 SHEETS STA. 19+91 TO STA. 21+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	93
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



LEGEND

PR PEDESTRIAN PUSH BUTTON

PR UNDERGROUND CONDUIT

PR ADA DETECTABLE WARNING

PR HANDHOLE

PR SIGNAL POST

PR SIGNAL HEAD

PR PEDESTRIAN SIGNAL HEAD

PR SIGN PANEL

- GENERAL NOTES
1.

THE INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS SHALL INCLUDE THE INTERACTIVE VIBROTACTILE PEDESTRIAN PUSH-BUTTON WITH SPEAKER, AN INFORMATIONAL SIGN, A LIGHT-EMITTING DIODE (LED) INDICATOR LIGHT, A SOLID-STATE ELECTRONIC CONTROL BOARD, A POWER SUPPLY, INTERNAL WIRING AND MOUNTING HARDWARE.
2.

THE INFORMATIONAL SIGN SHALL CONFORM TO THE MUTCD STANDARD R10-3E (BRAILLE SIGN). THE SELECTION OF THE SIGN SHALL BE APPROVED BY THE ENGINEER.
3.

ALL STATION AND OFFSETS ARE REFERENCED TO THE ORCHARD GATEWAY BOULEVARD CENTERLINE ALIGNMENT
4.

ALL PEDESTRIAN PUSH-BUTTON POSTS SHALL BE LOCATED AS SHOWN IN THE PLANS.
5.

ALL PEDESTRIAN PUSH-BUTTONS SHALL BE WITHIN 10 FT. FROM THE BACK OF THE CURB OR THE EDGE OF PAVEMENT FOR EACH CROSSING. THE CONTRACTOR SHALL INSTALL PEDESTRIAN PUSH-BUTTON EXTENSIONS TO MEET THIS REQUIREMENT.
6.

MOUNTING HEIGHT OF PEDESTRIAN PUSH-BUTTONS SHALL BE 36 INCHES (PREFERRED) FROM THE SIDEWALK SURFACE.

P:\02\H\S\K\02\NO North Aurora\2022\NO2209.Dgn Final Eng\NO2209-SHT-APS Detail03.dgn

GENERAL NOTES

1. THIS PROJECT INCLUDES RELOCATION OF EXISTING LIGHT POLES ALONG ORCHARD GATEWAY BOULEVARD. THIS PROJECT ALSO INCLUDES INSTALLATION
2. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/ OVERHEAD UTILITIES PRIOR TO INSTALLATION OF THE LIGHT POLES AND CONDUIT. IF THERE IS A CONFLICT WITH THE LIGHT POLES/ CONDUIT INSTALLATION AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING ANY WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.
4. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
5. LIGHTING INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
6. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
7. THE CONTRACTOR SHALL TAKE PRECAUTION WHEN INSTALLING CONDUIT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREE ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	18
BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	5
REMOVAL OF POLE FOUNDATION	EACH	3
REMOVE AND RE-ERECT EXISTING LIGHTING UNIT	EACH	3

LEGEND

-  EXISTING LIGHTING CONTROLLER
-  EXISTING LIGHTING UNIT
-  RELOCATED LIGHTING UNIT
-  EXISTING COMBINATION MAST ARM
-  EXISTING UNDERGROUND CONDUIT WITH ELECTRIC CABLE
-  PROPOSED UNDERGROUND CONDUIT WITH ELECTRIC TABLE

50

YEARS



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VILLAGE OF NORTH AURORA

25 EAST STATE STREET

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD

LIGHTING GENERAL NOTES, BILL OF MATERIAL AND

LEGEND

SCALE: N.T.S.

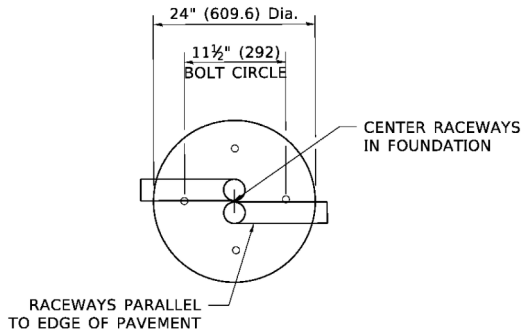
SHEET 1 OF 1 SHEETS

STA. TO STA.

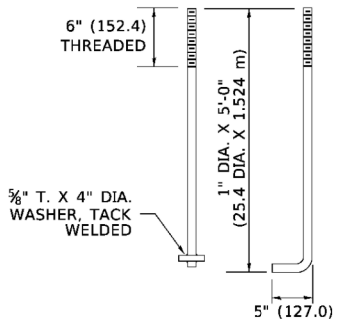
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	94
CONTRACT NO. 61L39				
		ILLINOIS	FED. AID PROJECT	

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

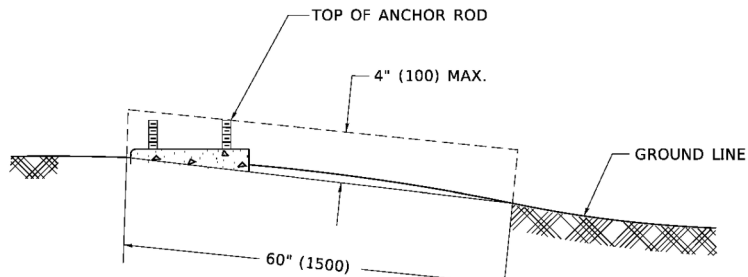
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90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



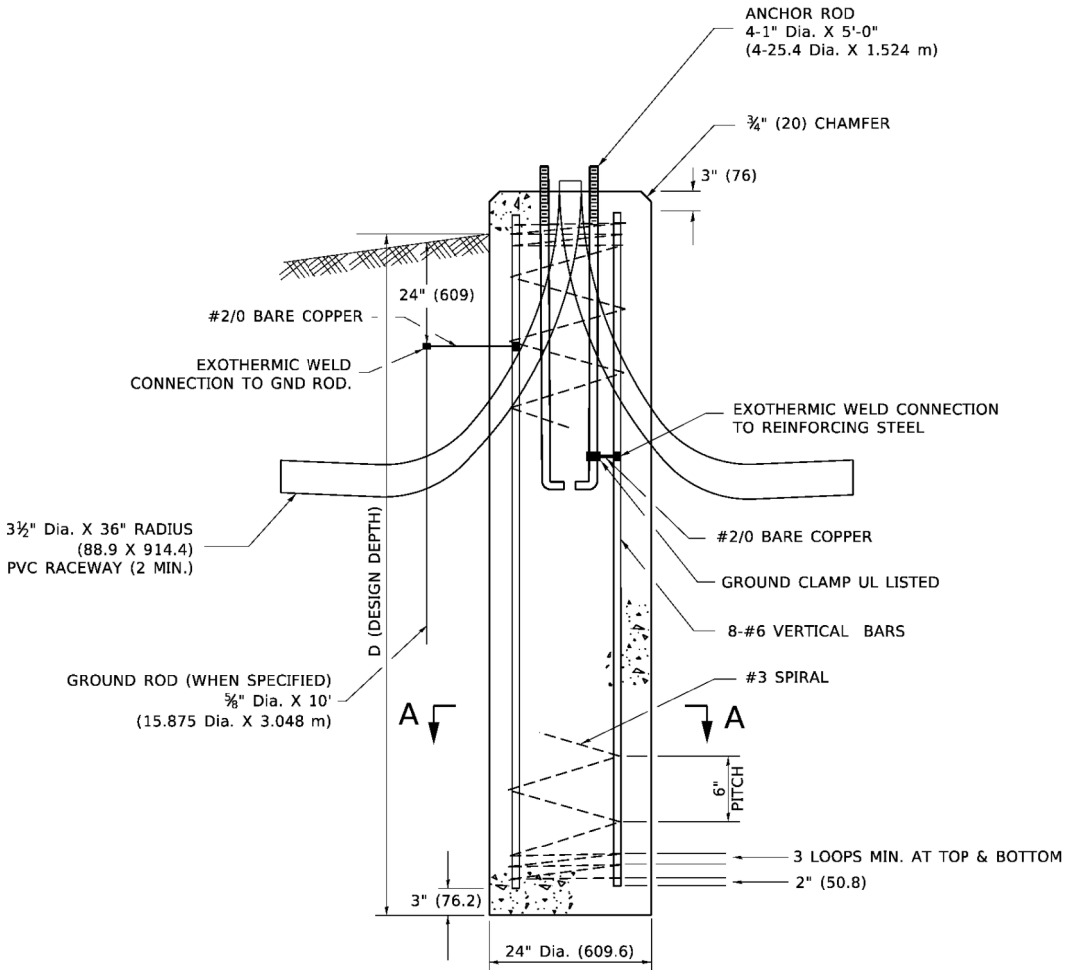
TOP VIEW



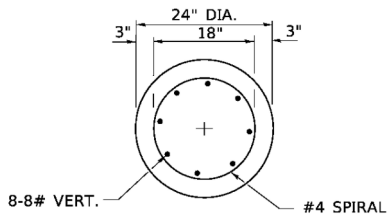
ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



FOUNDATION DETAIL



SECTION A-A

NOTES

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

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION			
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

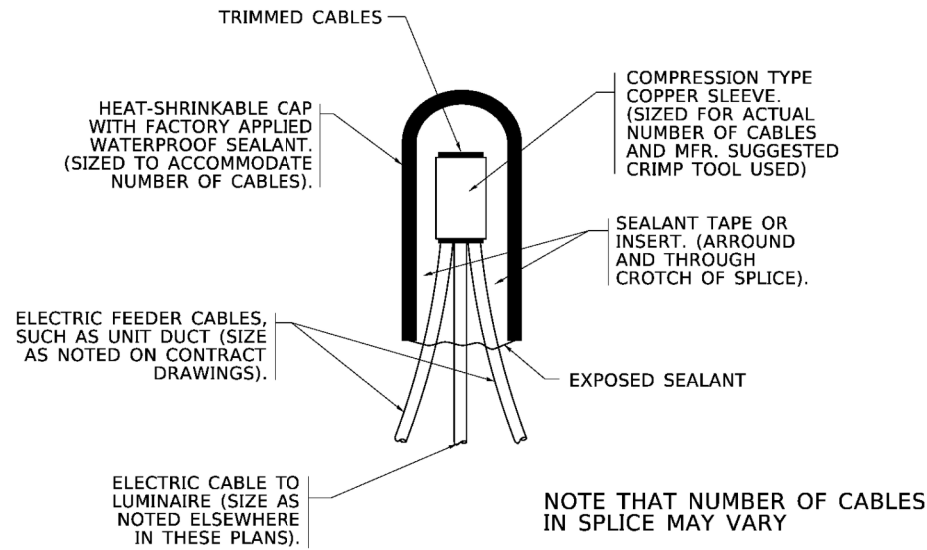
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	BE-300			
ILLINOIS				FED. AID PROJECT

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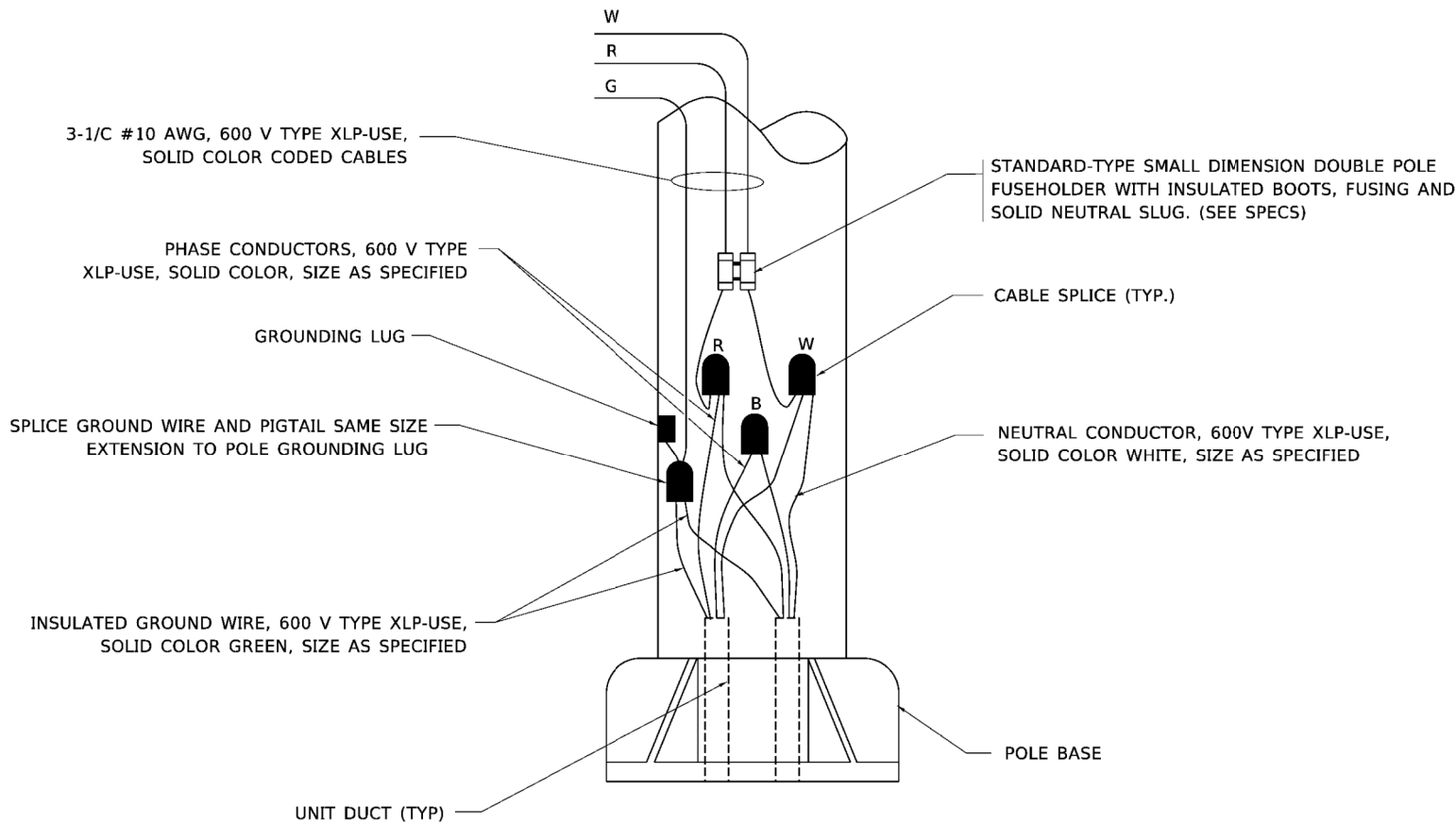
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD LIGHTING DETAILS			
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STA.	TO STA.		

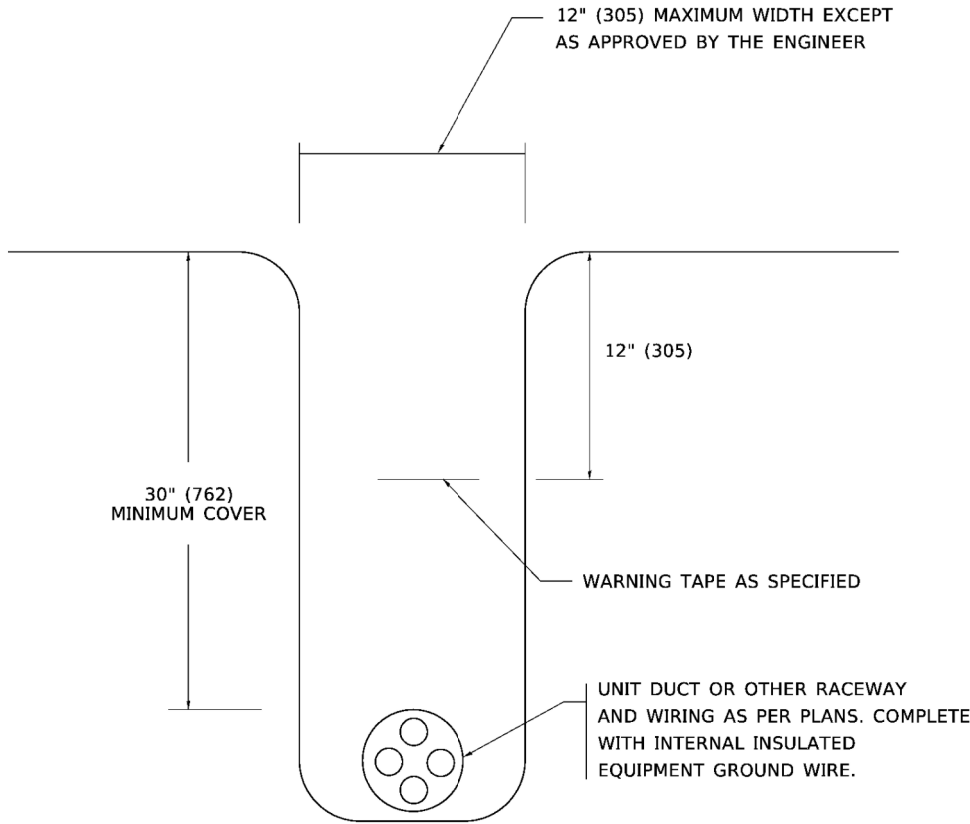
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	96
ILLINOIS				FED. AID PROJECT



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

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50 YEARS

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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DATE -	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

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

ORCHARD GATEWAY BOULEVARD
LIGHTING DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	97
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -	REVISED -
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DATE -	REVISED -

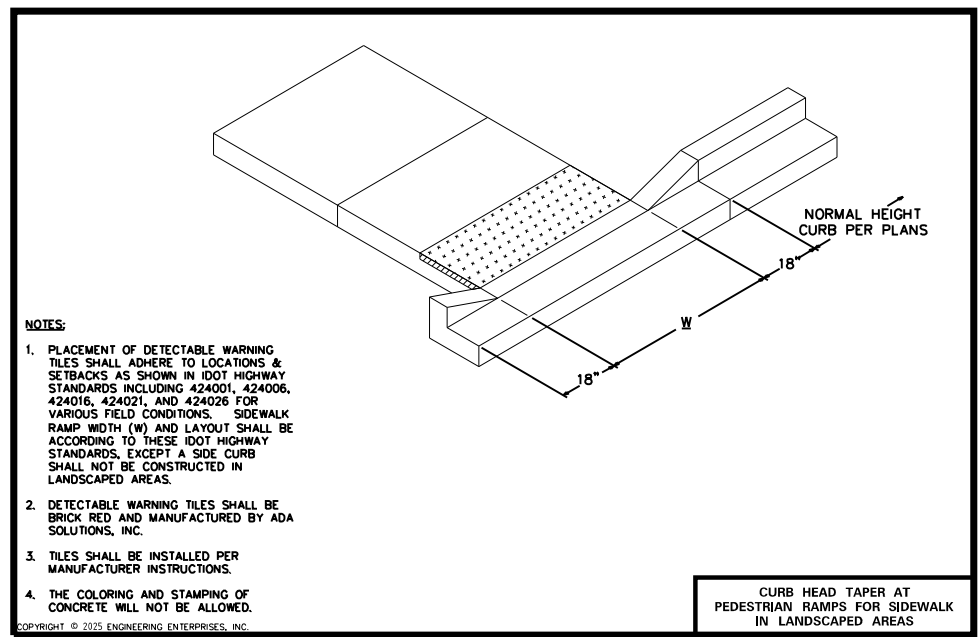
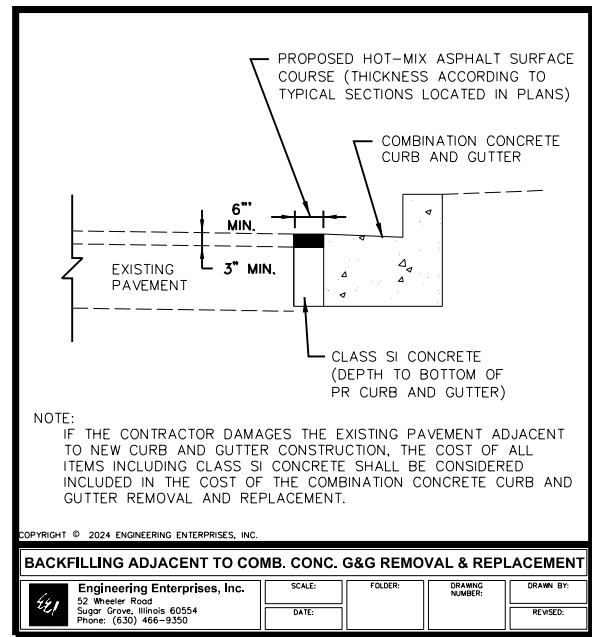
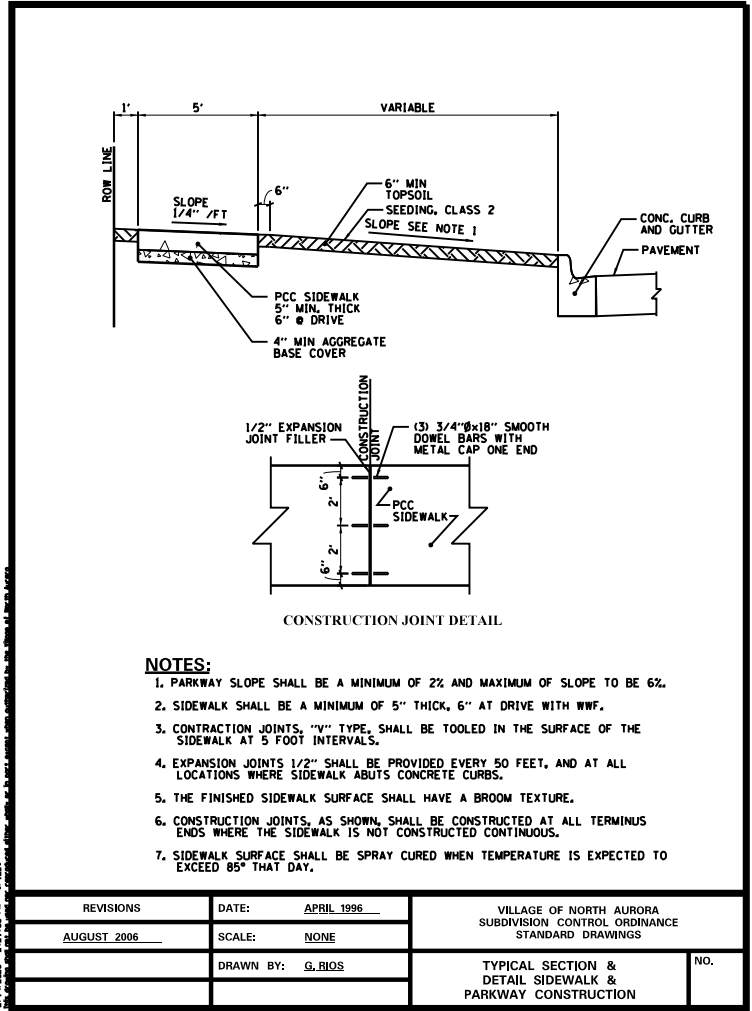
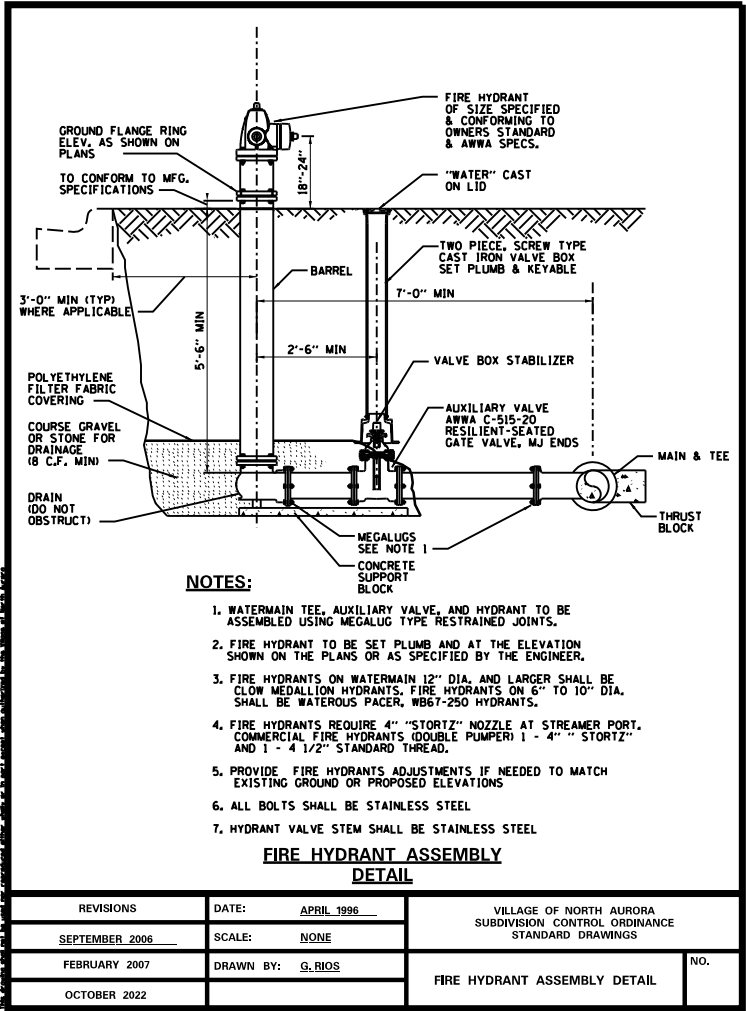
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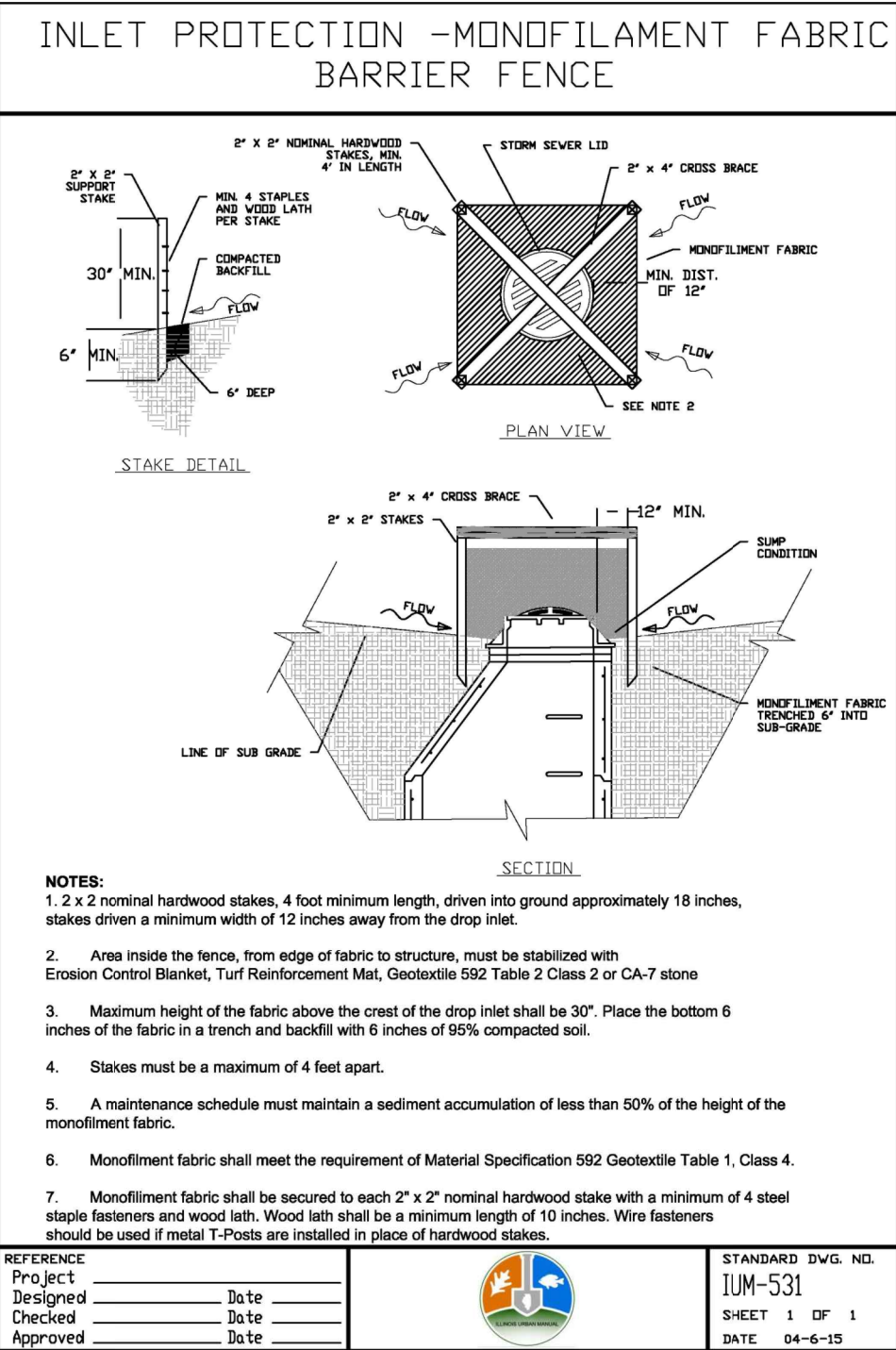
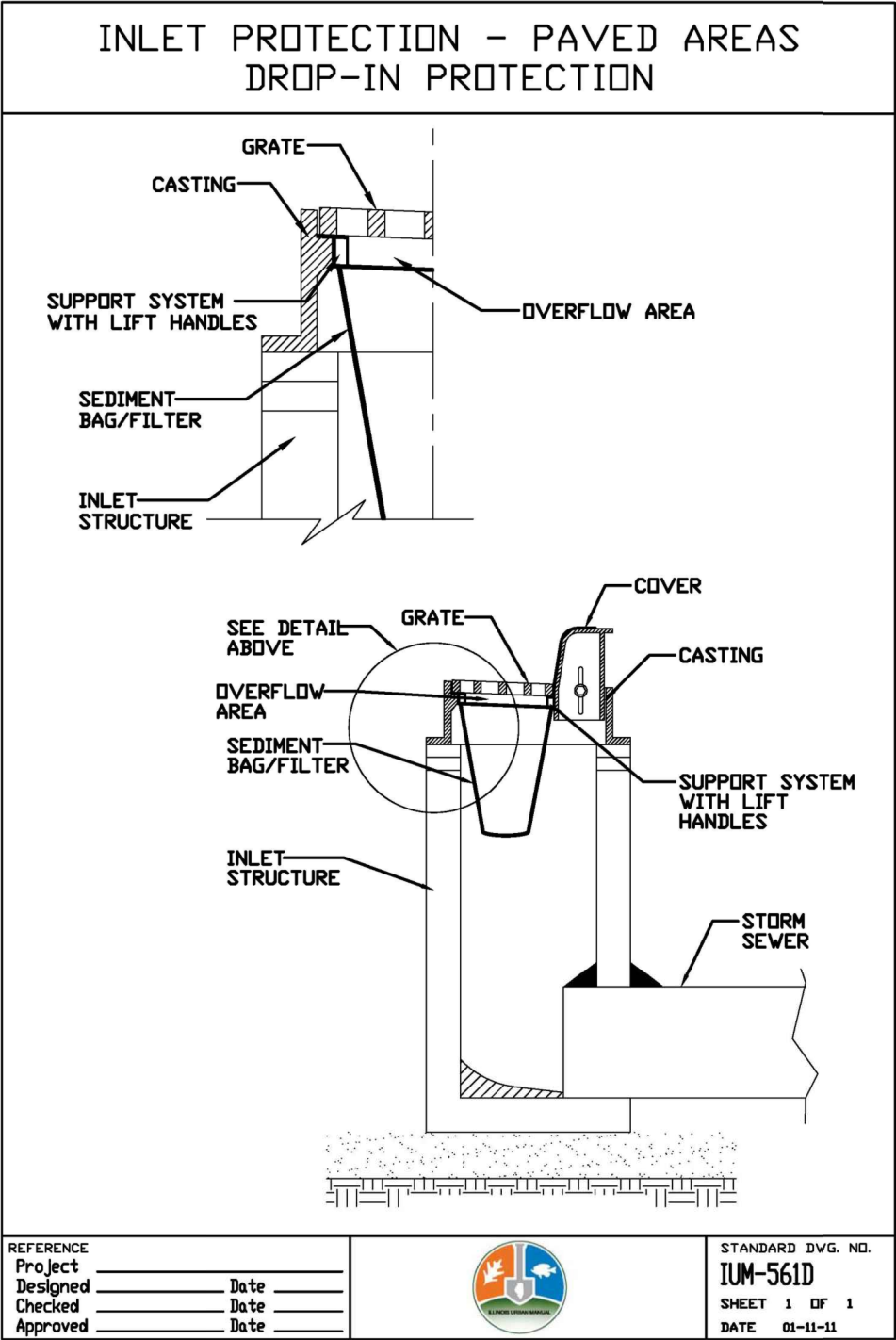
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

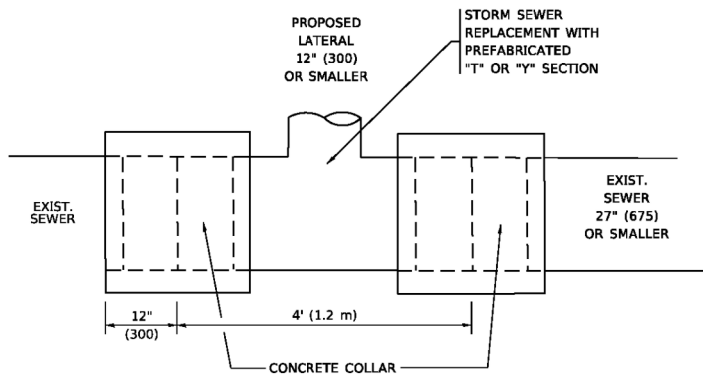
ORCHARD GATEWAY BOULEVARD
VILLAGE OF NORTH AURORA DETAILS

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

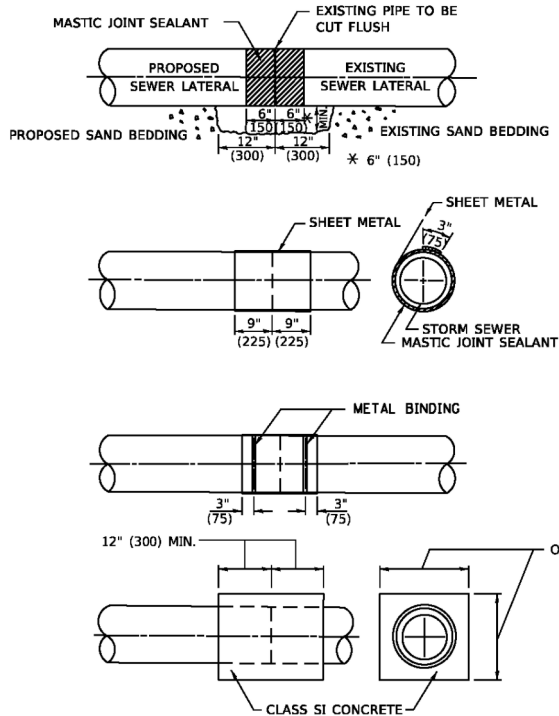
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0054	21-00057-00-CH	KANE	118	98
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ILLINOIS FED. AID PROJECT				



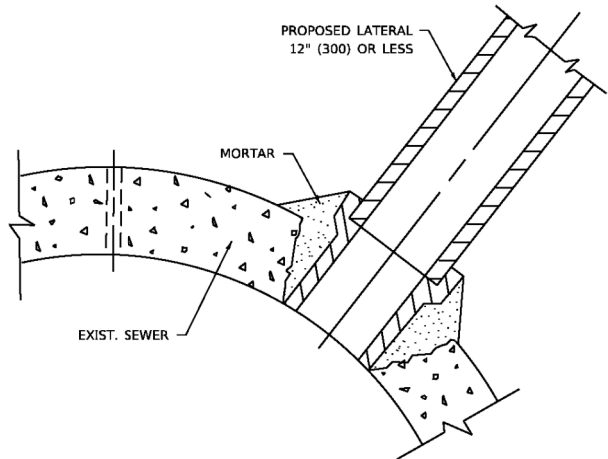




DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

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

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

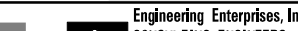
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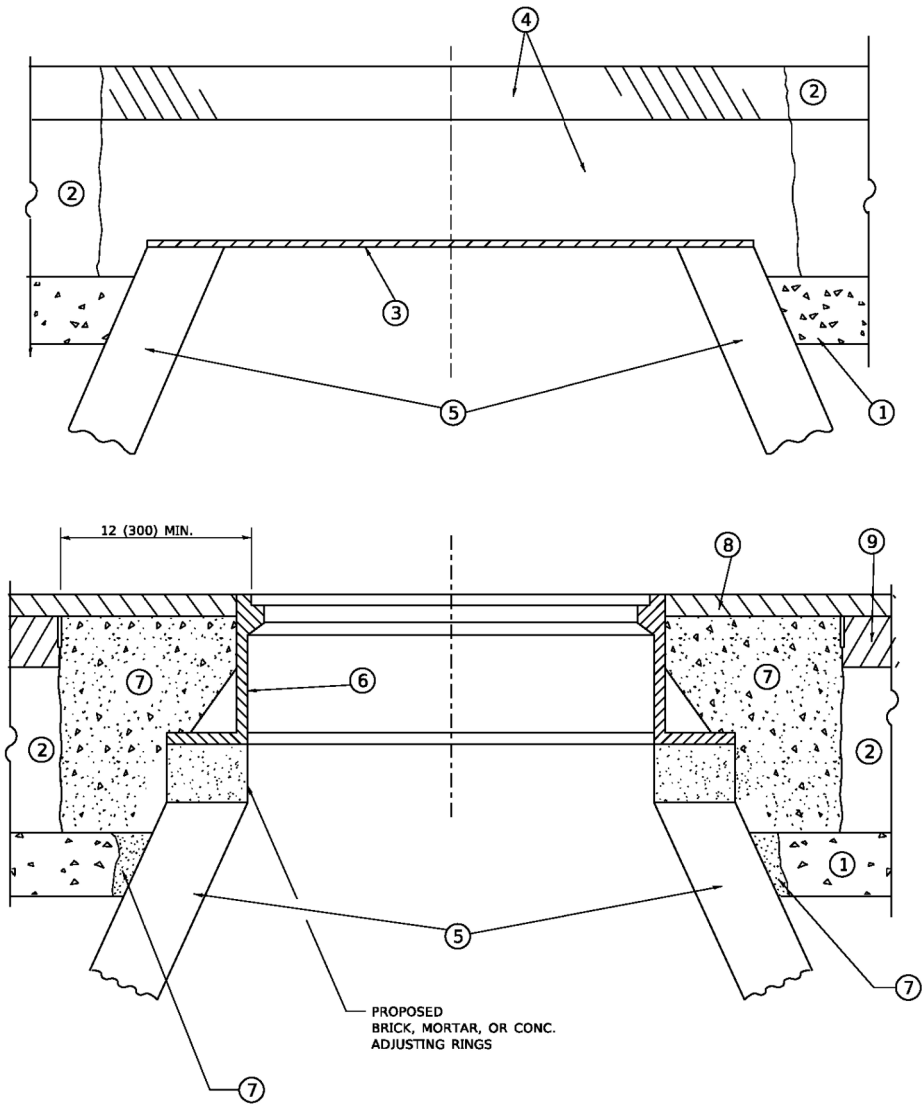
- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

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

MODEL: Detail FILE NAME: p001	USER NAME = Lawrence.DeManche			DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.										
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	PLOT DATE = 11/18/2022				REVISED - K. SMITH 11-18-22																				
 Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eelweb.com	VILLAGE OF NORTH AURORA 25 EAST STATE STREET NORTH AURORA, IL 60542			DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORCHARD GATEWAY BOULEVARD DISTRICT ONE STANDARD DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS											
				DRAWN -	REVISED -		SCALE: N.T.S.				SHEET 1 OF 12 SHEETS	STA.	TO STA.	0054			21-00057-00-CH			KANE			118		
				CHECKED -	REVISED -												ILLINOIS			FED. AID PROJECT					
				DATE -	REVISED -																				



DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING

NOTES

- 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.
- 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.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- 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)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- 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

- 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)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600-03 (BD-08)			CONTRACT NO.
		ILLINOIS	FED. AID PROJECT	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

SCALE: N.T.S. SHEET 2 OF 12 SHEETS STA. TO STA.

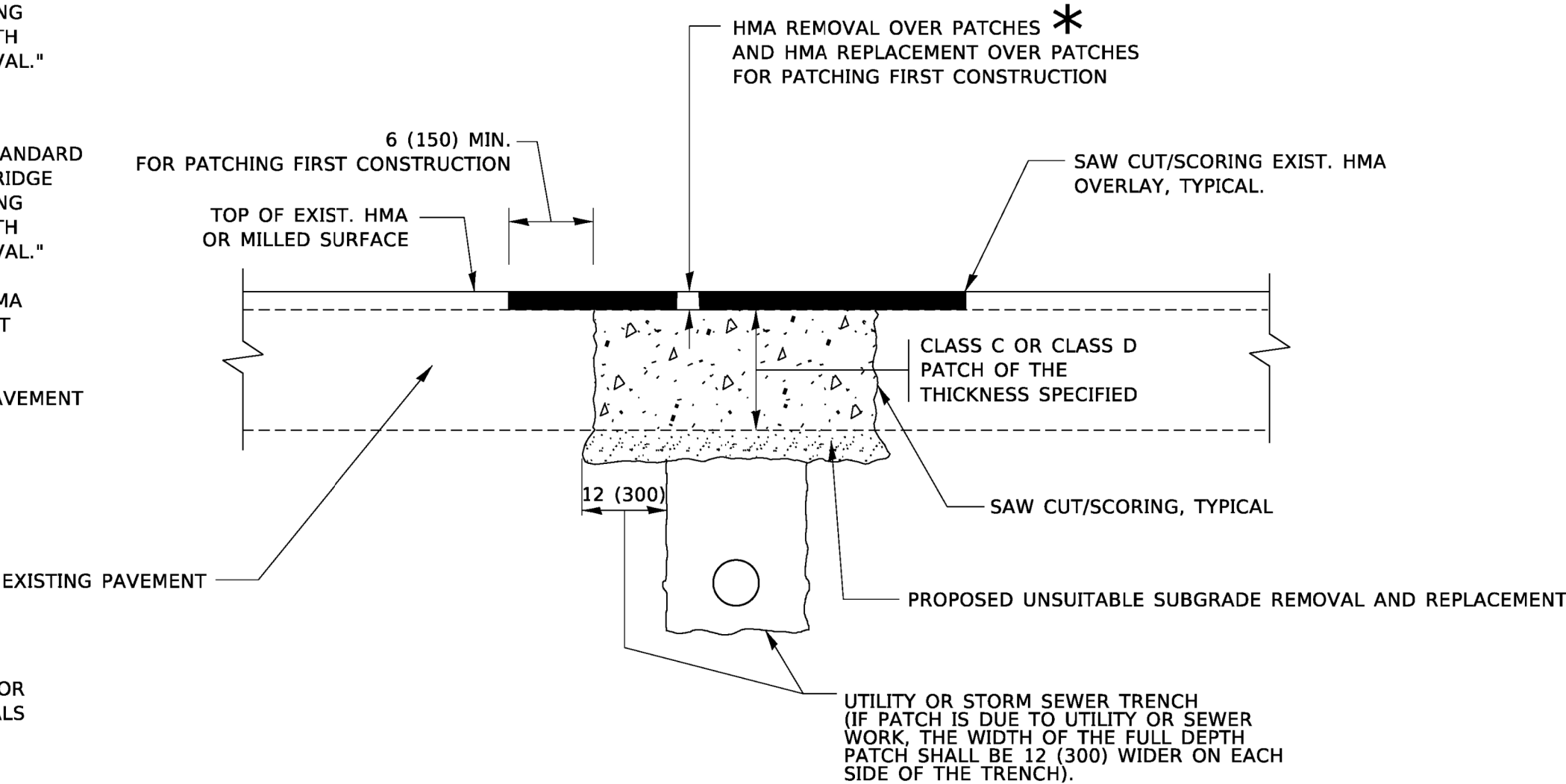
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	101
				CONTRACT NO. 61L39
		ILLINOIS	FED. AID PROJECT	

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.



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

USER NAME = jmarvig PLOT SCALE = 1:2,000.00
PLOT DATE = 2/19/2025 2:22:22 PM
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50 YEARS

Engineering Enterprises, Inc.

CONSULTING ENGINEERS

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Sugar Grove, Illinois 60554

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -	REVISD -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

DESIGNED -	REVISD -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

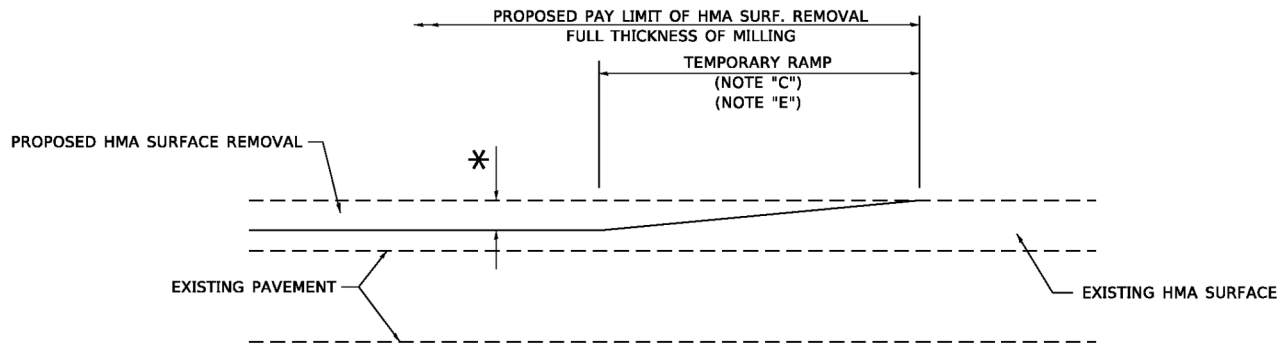
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

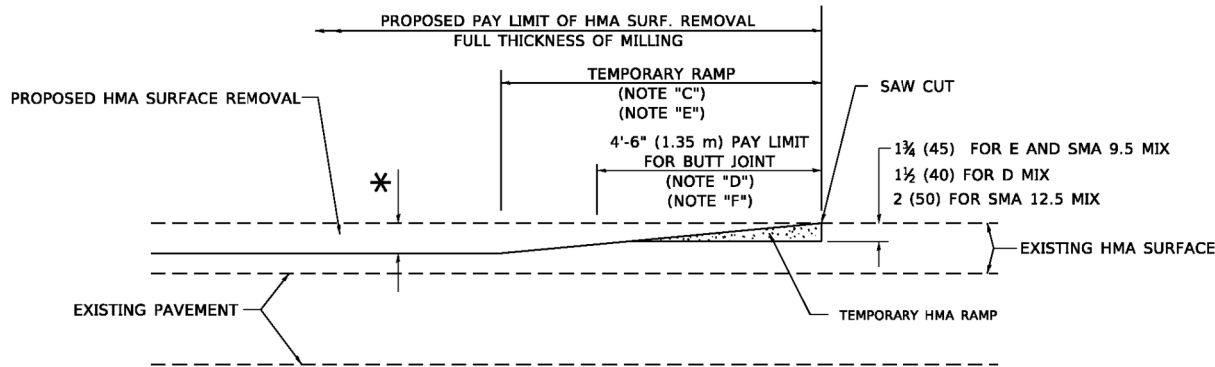
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	102
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

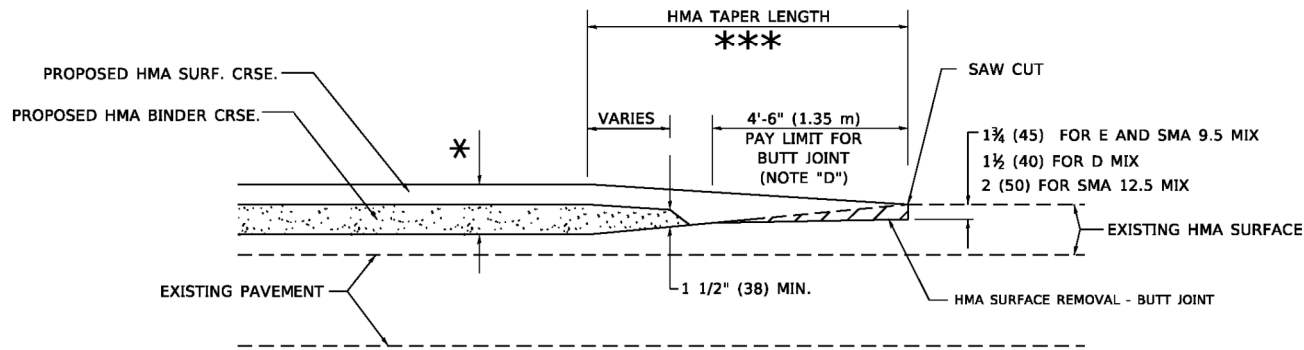
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

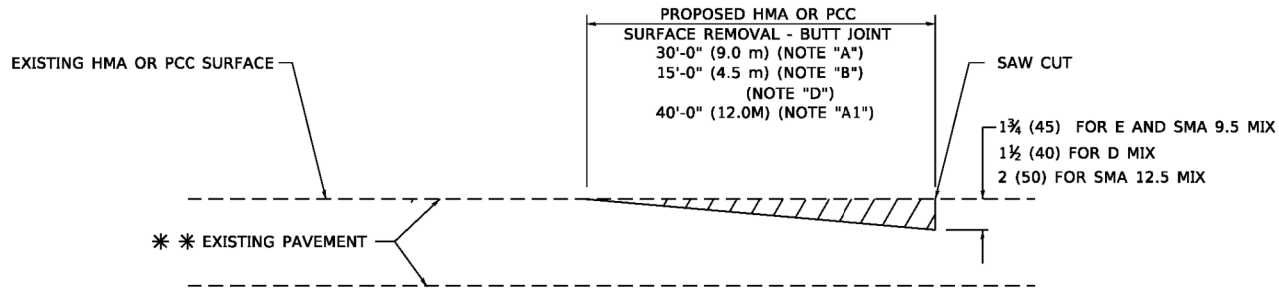
OPTION 2

TYPICAL TEMPORARY RAMP

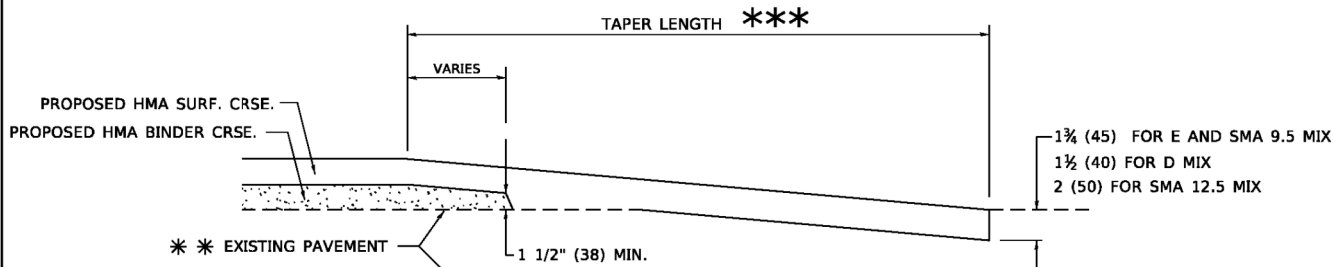


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD400-05	BD-32			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

SCALE: N.T.S. SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	103
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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50 YEARS



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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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DATE -	REvised -

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DRAWN -	REvised -
CHECKED -	REvised -
DATE -	REvised -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

SCALE: N.T.S. SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	104
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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.

WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE

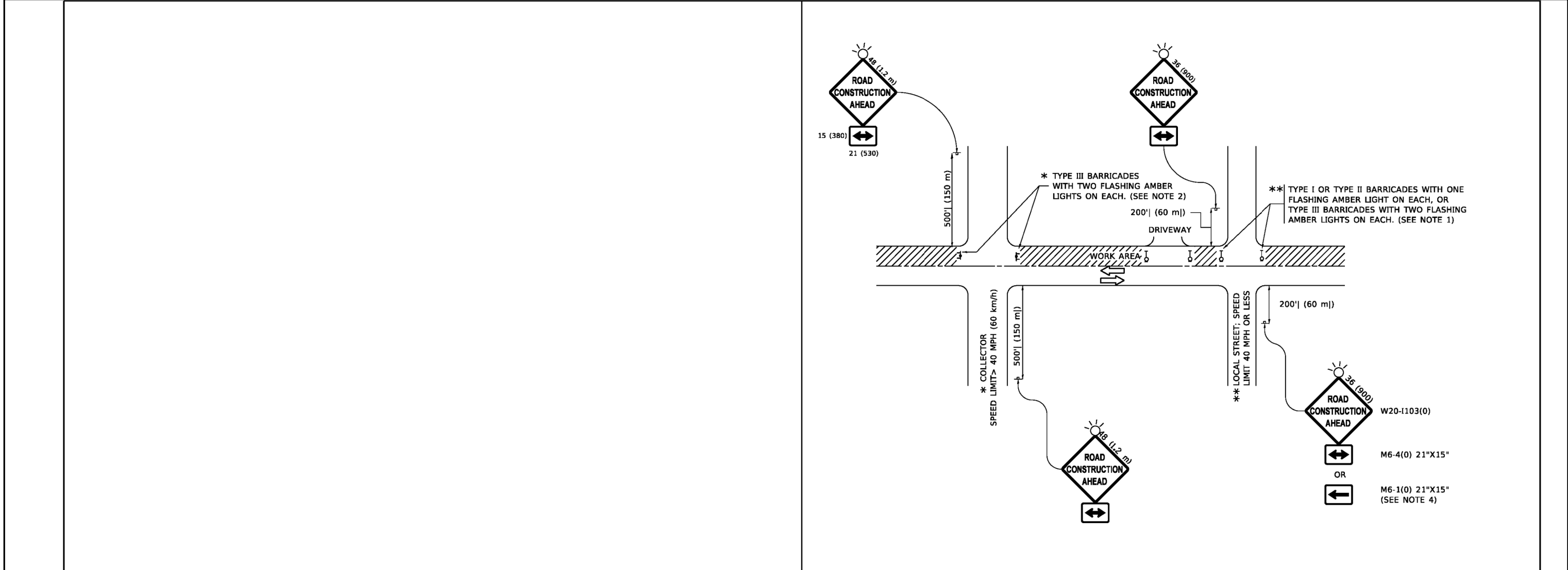
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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.

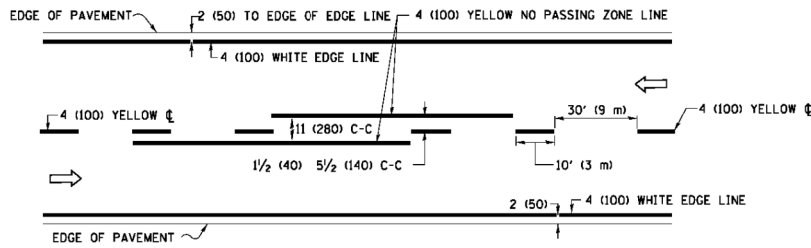
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

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.

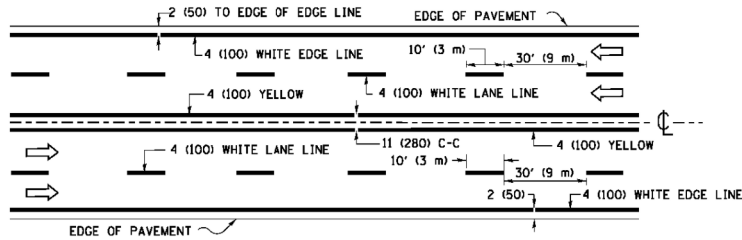
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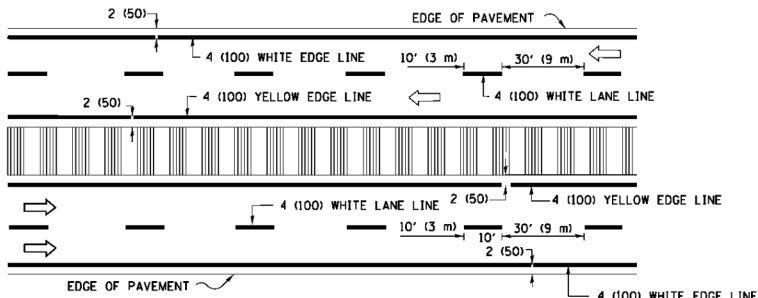
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2-LANE ROADWAY

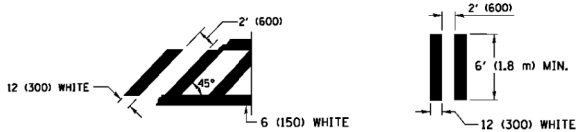
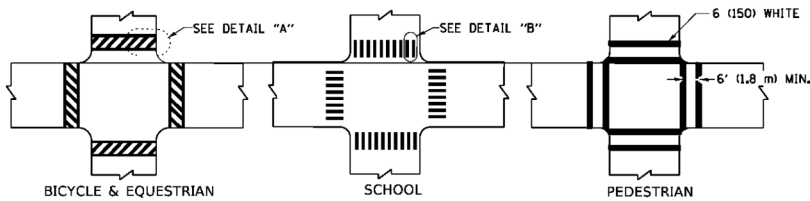


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

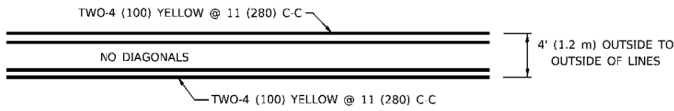


DETAIL "A"

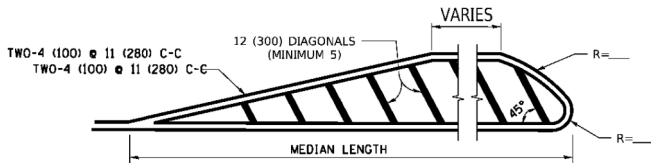
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

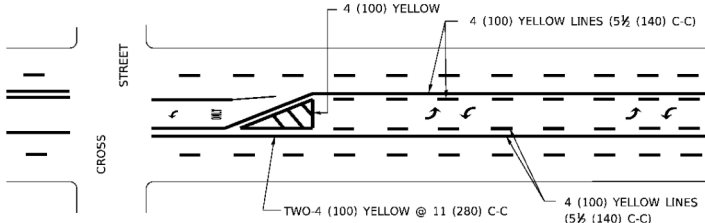


4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

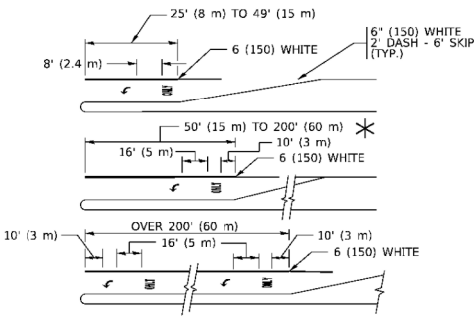
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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

MEDIAN WITH TWO-WAY LEFT TURN LANE

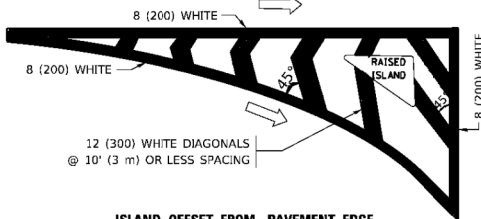
TYPICAL PAINTED MEDIAN MARKING



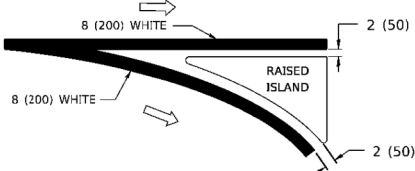
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

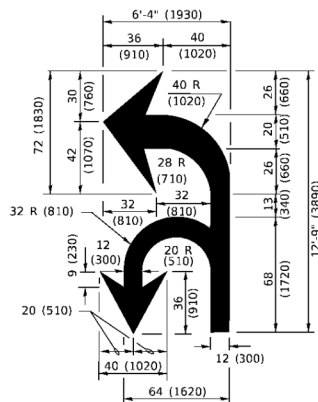


ISLAND OFFSET FROM PAVEMENT EDGE

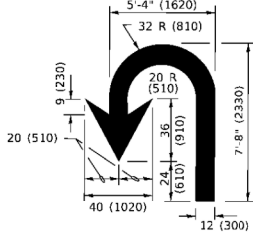


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

SCALE: N.T.S. SHEET 6 OF 12 SHEETS STA. TO STA.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	105
		CONTRACT NO. 61L39		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

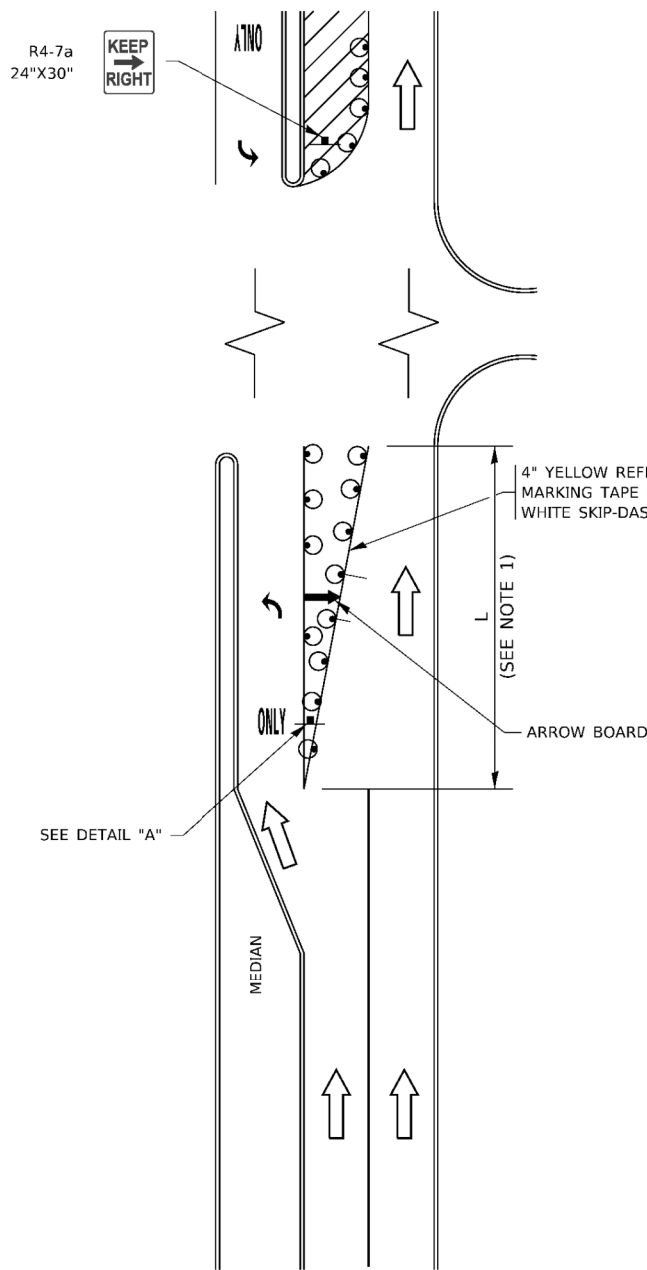


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

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

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

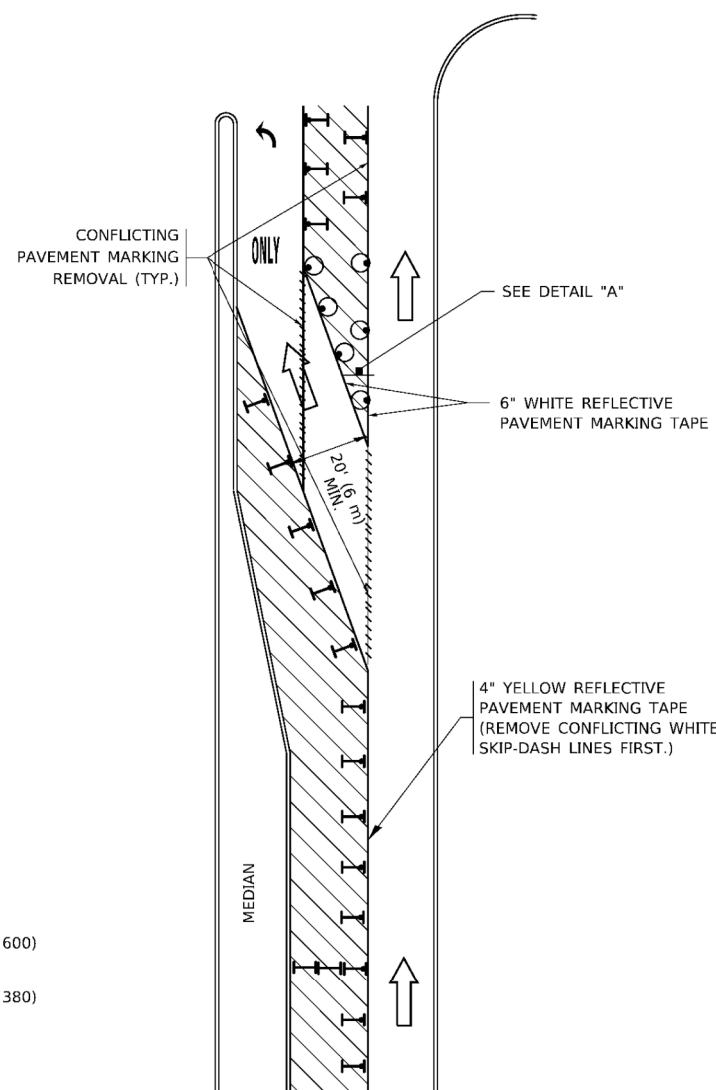
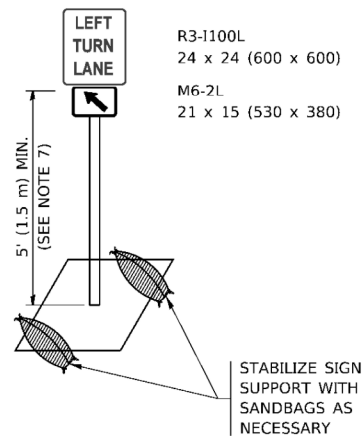


FIGURE 2



DETAIL A

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

USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
PLOT SCALE = 50.0000' / in.	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-14				
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

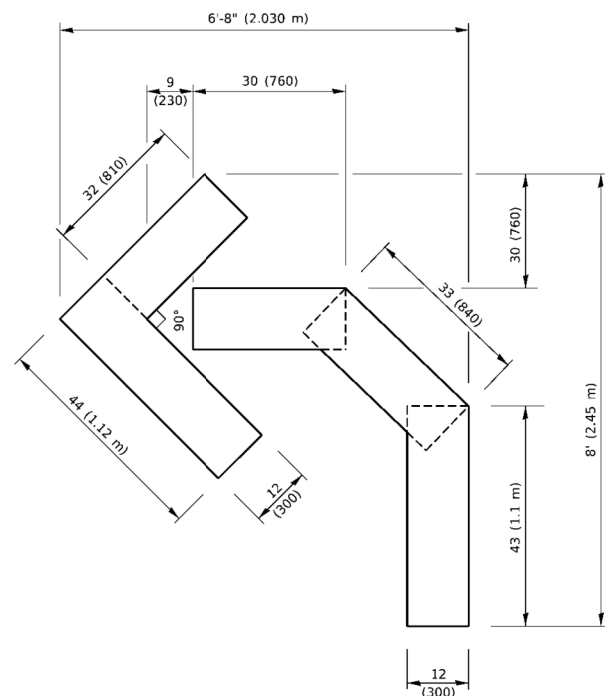
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

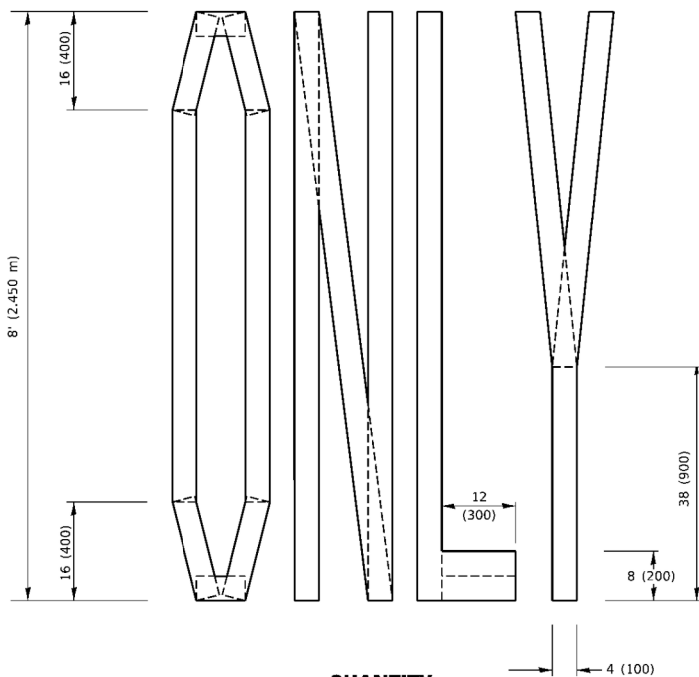
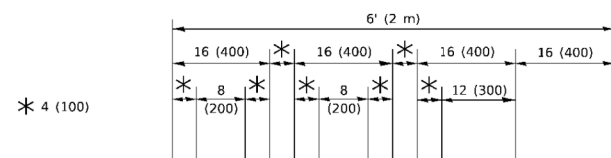
SCALE: N.T.S. SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	106
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				



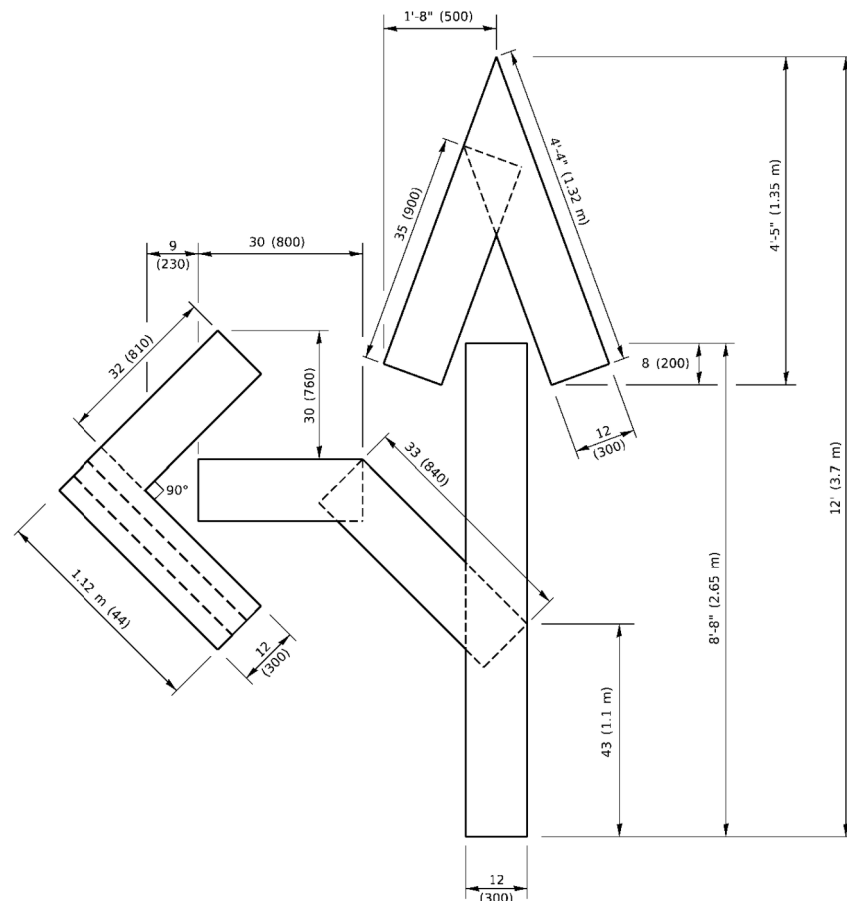
QUANTITY

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



QUANTITY

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

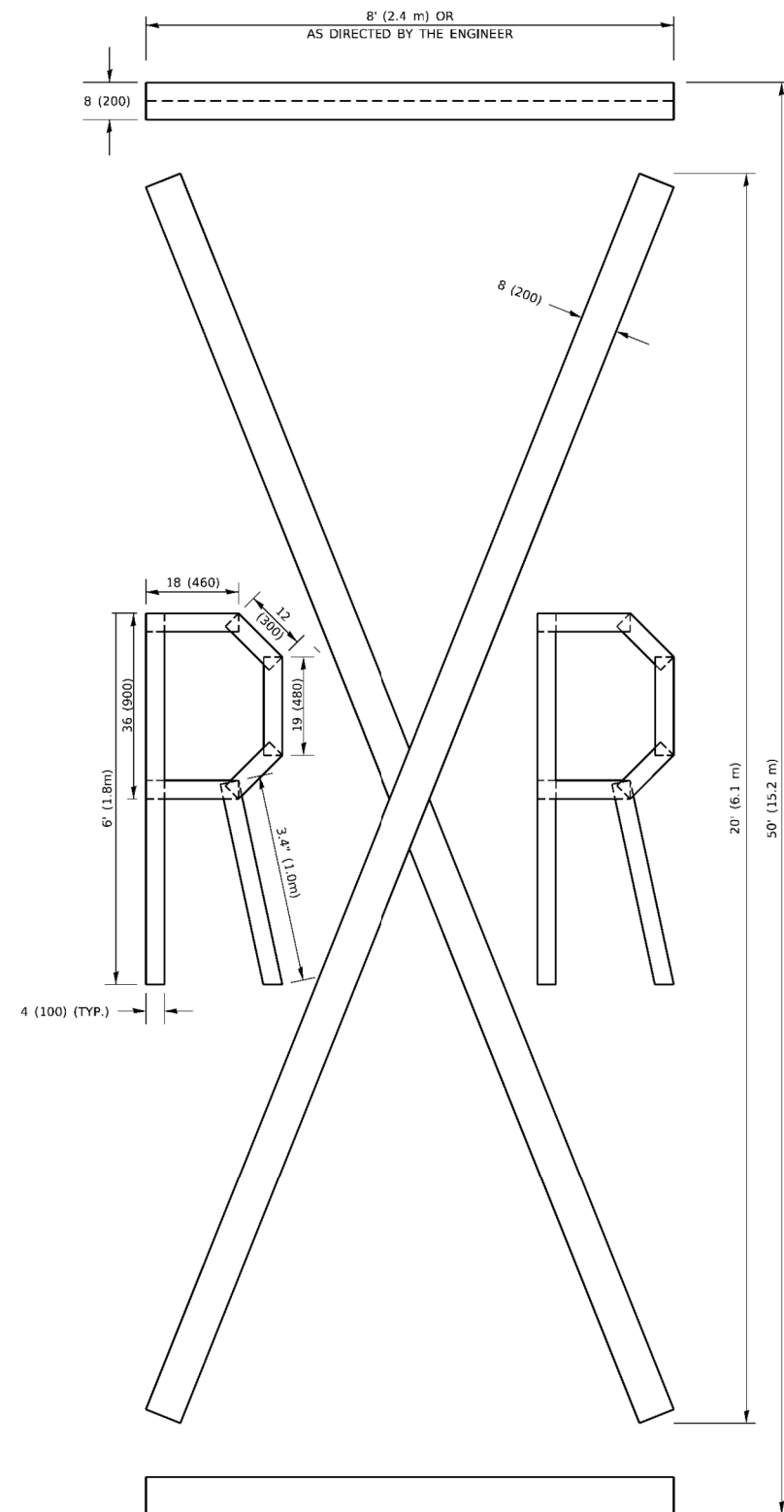


QUANTITY

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

NOTE:

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



QUANTITY

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

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

USER NAME = footentj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE = 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD DISTRICT ONE STANDARD DETAILS

SCALE: N.T.S.	SHEET 8	OF 12 SHEETS	STA.	TO STA.
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	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0054	21-00057-00-CH	KANE	118	107
	CONTRACT NO. 61L39				
		ILLINOIS	FED. AID PROJECT		

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50 YEARS



Engineering Enterprises, Inc.

CONSULTING ENGINEERS

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Sugar Grove, Illinois 60554

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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -	REvised -
DRAWN -	REvised -
CHECKED -	REvised -
DATE -	REvised -

DESIGNED -	REvised -
DRAWN -	REvised -
CHECKED -	REvised -
DATE -	REvised -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

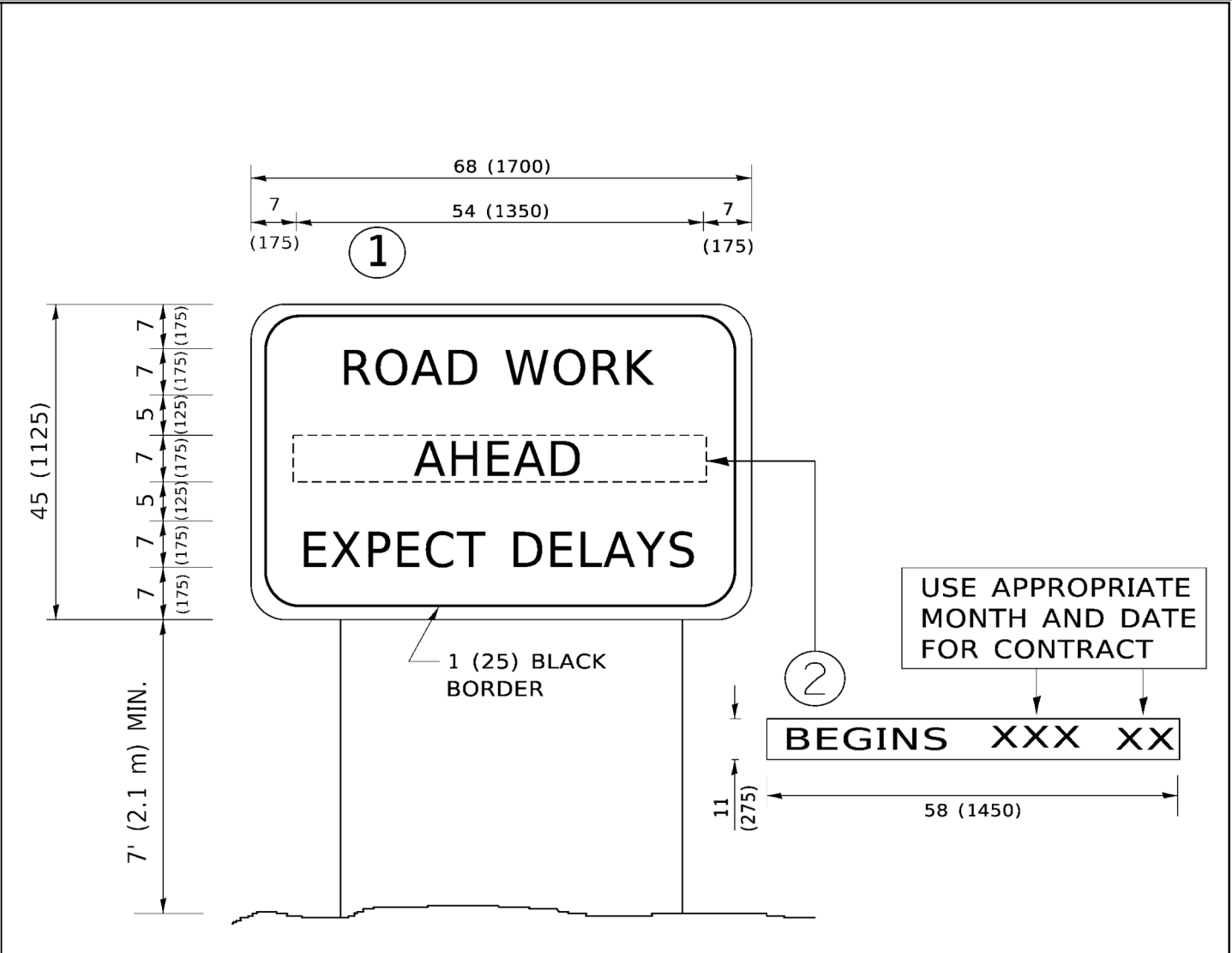
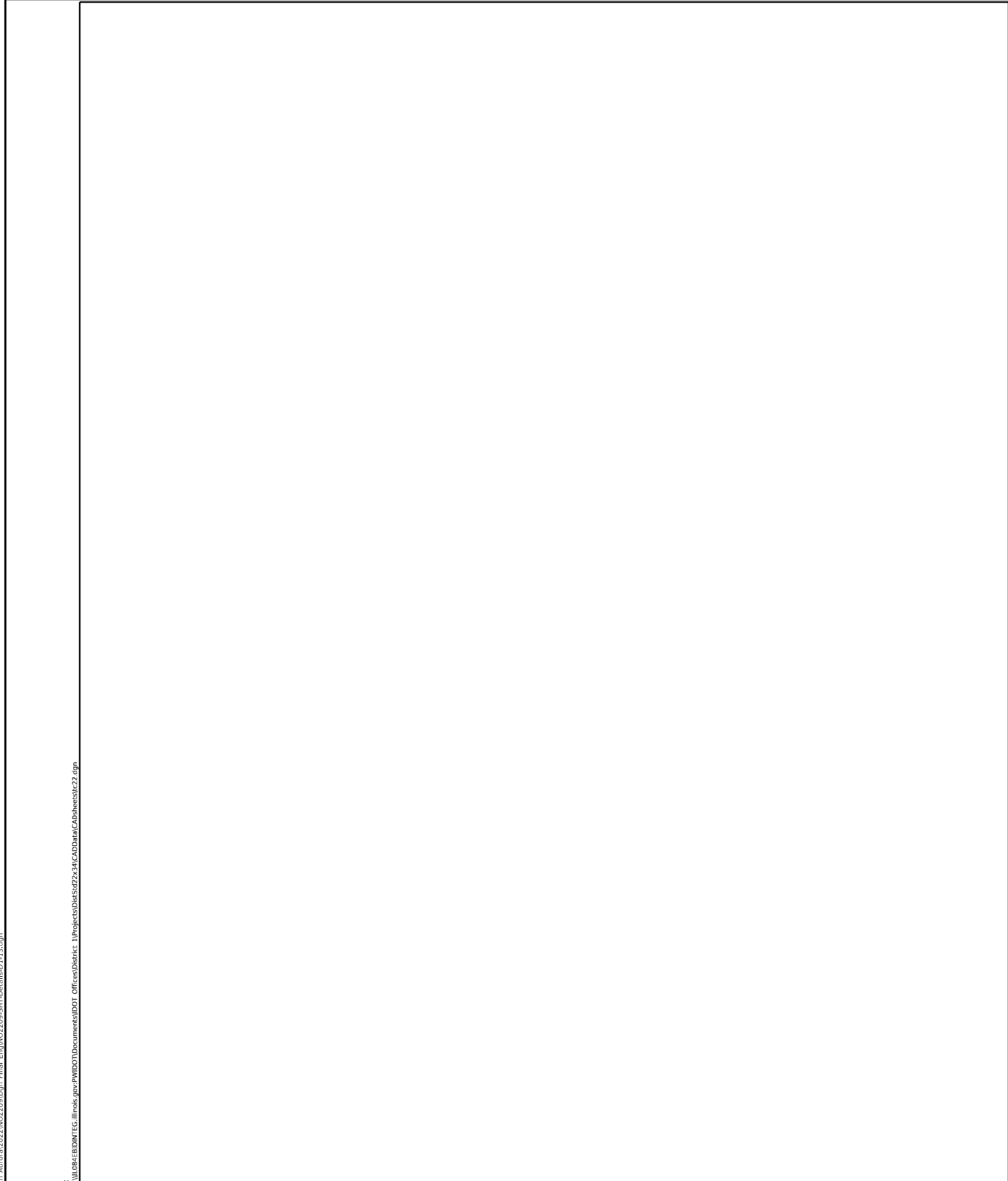
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	108
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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



NOTES:

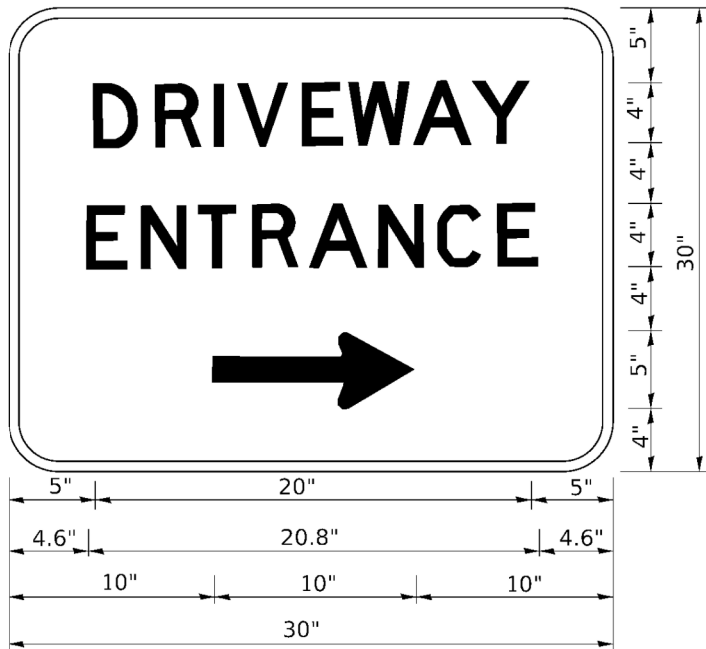
- USE BLACK LETTERING ON ORANGE BACKGROUND.
- ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

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

NOTES:

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



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NORTH AURORA, IL 60542

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE STANDARD DETAILS

SCALE: N.T.S. SHEET 10 OF 12 SHEETS STA. TO STA.

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	109
CONTRACT NO. 61L39				

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EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION																													PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4					
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5			5			8		8			11	11			14	18			18			22			22			26			26			CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3				
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◇			
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS	E/B ←Y	R	R	R	R	R	G ←G	G ←Y	G ←G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
MAIN STREET FAR RIGHT SIGNAL	E/B	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇		
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS	W/B ←Y	G ←G	G ←Y	G ←G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
MAIN STREET FAR RIGHT SIGNAL	W/B	R	G	G	G	Y	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←Y	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	◇			
CROSS STREET FAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	◇				
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←Y	G ←G	Y	R	G ←G	G ←Y	R	R	R	R	R	G	Y	R	G	R	G	◇			
CROSS STREET FAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	G	◇			
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET		H	FH	H	FH	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇			
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET		H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇			
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	◇			
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	FH	H	H	FH	H	H	◇			

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE
INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER
CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL
AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

50 YEARS



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Sugar Grove, Illinois 60554
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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION
SEQUENCE OF OPERATION – MAIN STREET AND CROSS STREET

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

ORCHARD GATEWAY BOULEVARD
DISTRICT ONE DETAILS

SCALE: N.T.S. SHEET 11 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-08		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	110
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

P:\H:\SOSK6P\NO North Aurora\2022\NO2209.Dgn Final Eng\NO2209-SHT-Details-D1-23.dgn

MOVEMENT																																	F L A S H	
PHASE	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7				3 + 8					4 + 7					4 + 8					
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20A	20B	21	22	23	24A	24B	25	26	27	28A	28B		
CHANGE TO		1+6	2+5	2+6			2+6			2+6			3+7 3+8 4+7 4+8		1+5 1+6 2+5 2+6 4+8	3+8	4+7			1+5 1+6 2+5 2+6	4+8			1+5 1+6 2+5 2+6	4+8			1+5 1+6 2+5 2+6	4+8			1+5 1+6 2+5 2+6		
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS	R ←G	R ←Y	R ←G	R ←Y	R	R	R	R ←G	R ←G	R ←Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
MAIN STREET FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS	R ←G	R ←G	R ←Y	R ←Y	R ←G	R ←G	R ←Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
MAIN STREET FAR RIGHT SIGNAL	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←G	R ←Y	R ←Y	R ←G	R	R	R	R	R	R	R ←G	R ←G	Y	R	R ←Y	G	G	Y	R	
CROSS STREET FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←G	R ←Y	R ←G	R ←Y	R ←G	R ←G	Y	R	R ←Y	R ←G	Y	R	R	R	R	R	G	G	Y	R
CROSS STREET FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R		
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	H	H	H	*P	**FH	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	*P	**FH	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	*P	**FH	H	H	

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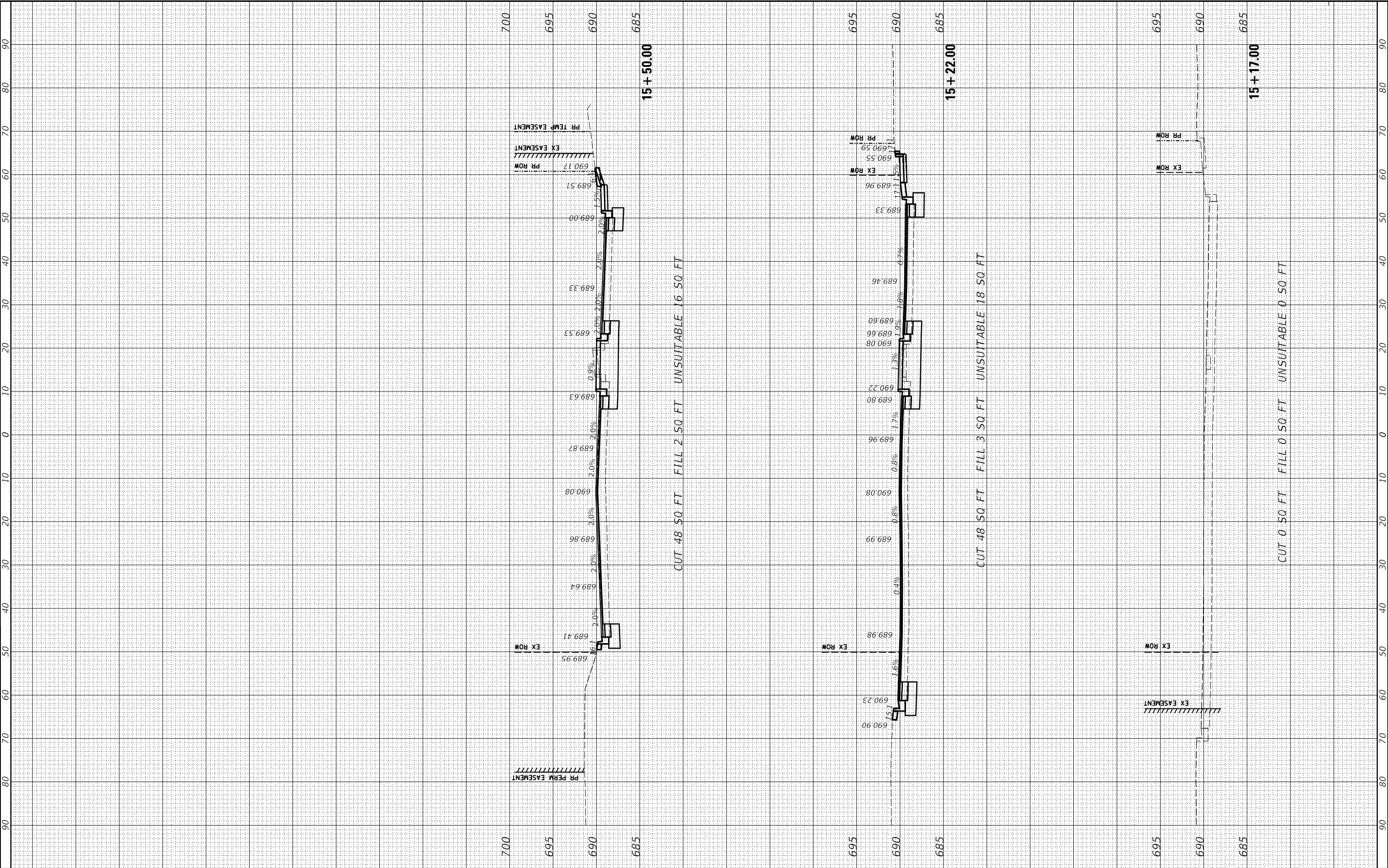
HOLD

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FINAL SURVEY NO.	SURVEYED NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED NOTE BOOK NO.	BY	DATE

USER NAME = jmarigj PLOT SCALE = 1:20
PLOT DATE = 2/19/2025 2:24:52 PM
MODEL XS SHEET_1
FILE NAME H:\SDSKP\0\North Aurora\2022\ND2209-SHT-XSEC.dgn





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VILLAGE OF NORTH AURORA
25 EAST STATE STREET
NORTH AURORA, IL 60542

DESIGNED -	_____
DRAWN -	_____
CHECKED -	_____
DATE -	_____

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

SCALE: 1"=10'H, 5'V SHEET 1 OF 7 SHEETS STA. 15+17.00 TO STA. 15+50.00

F.A.U. RTE. 0054	SECTION 21-00057-00-CH	COUNTY KANE	TOTAL SHEETS 118	SHEET NO. 112
ILLINOIS			FED. AID PROJECT	

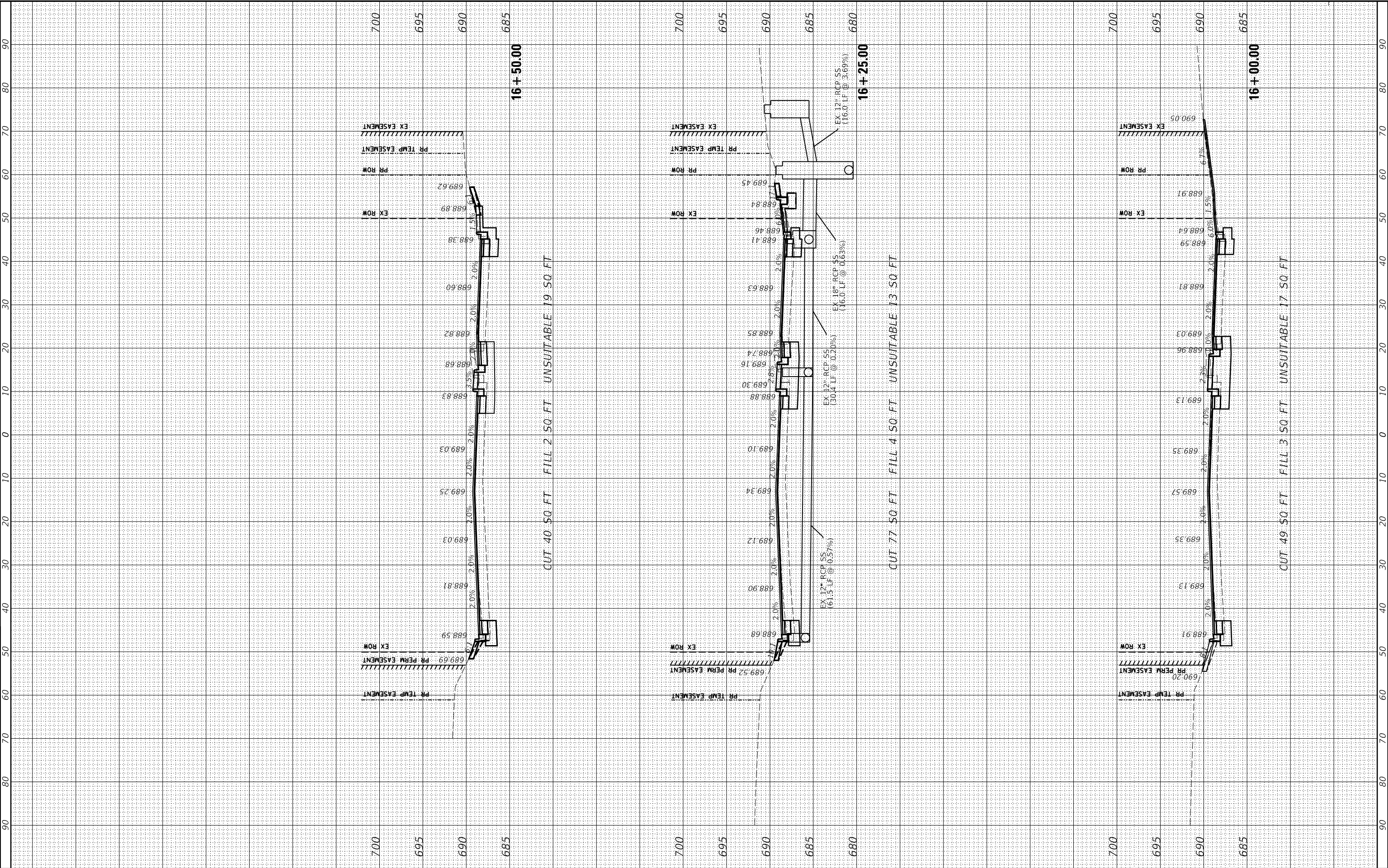
CONTRACT NO. 61L39

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

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

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PLOT DATE = 2/19/2025 2:24:54 PM
MODEL X5 SHEET 2
FILE NAME H:\SDS\Proj\NO-North Aurora\2022\NO2209-SHT-XSEC.dgn





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DRAWN -	_____	REVISED -	_____
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DATE -	_____	REVISED -	_____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

SCALE: 1"=10'H, 5'V SHEET 2 OF 7 SHEETS STA. 16+00.00 TO STA. 16+50.00

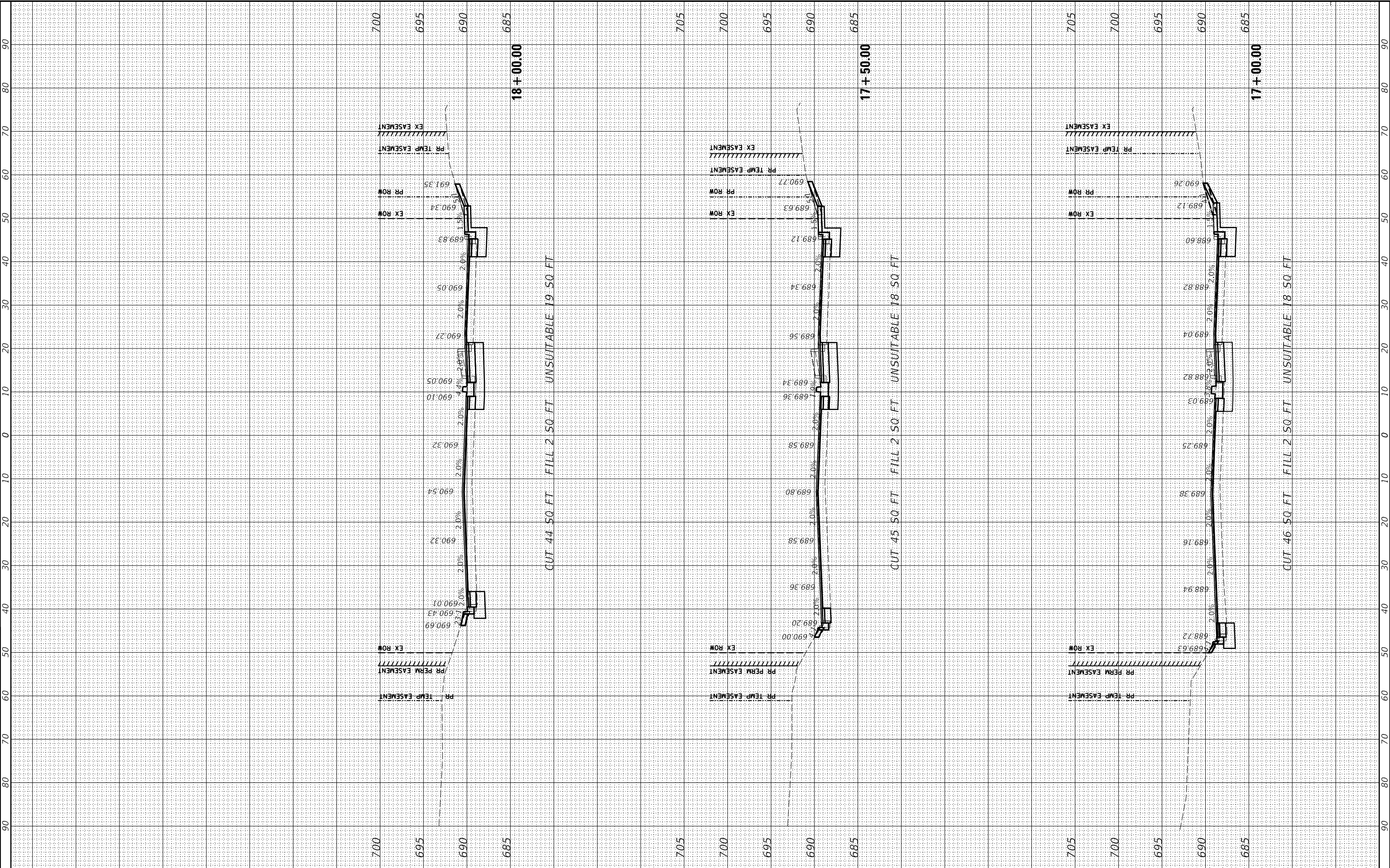
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	113
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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

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

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PLOT DATE = 2/19/2025 2:24:57 PM
MODEL X5 SHEET 3
FILE NAME H:\SDSRP\3\NO North Aurora\2022\NO2209-SHT-XSEC.dgn





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CHECKED -	REVISD -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

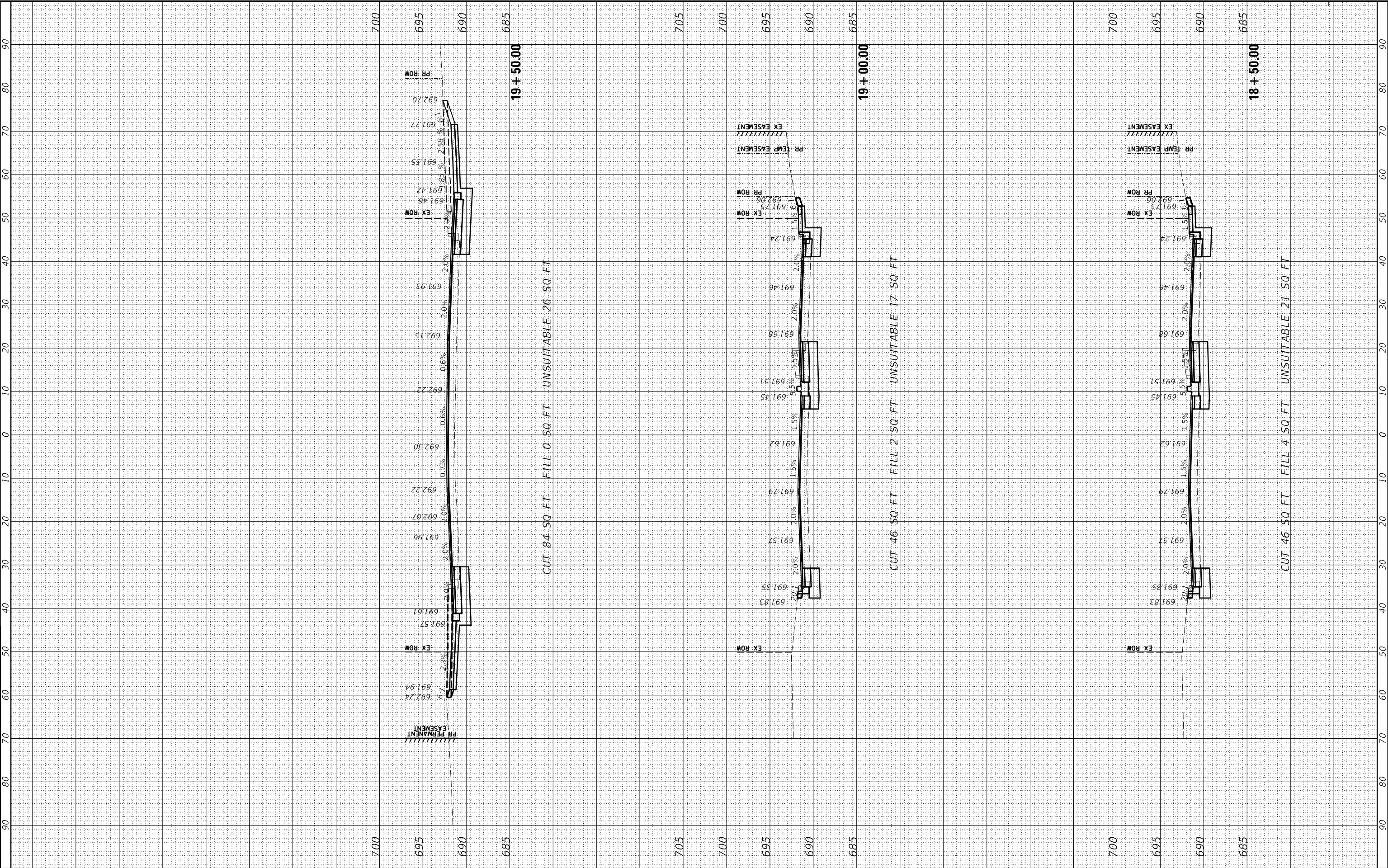
SCALE: 1"=10'H, 5'V SHEET 3 OF 7 SHEETS STA. 17+00.00 TO STA. 18+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	114
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED NOTE BOOK NO.	BY	DATE

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PLOT DATE = 2/19/2025 2:24:59 PM
MODEL XS SHEET 4
FILE NAME H:\SDS\Proj\NO North Aurora\2022\NO2209-SHT-XSEC.dgn





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DATE -	_____	REVISED -	_____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

SCALE: 1"=10'H, 5'V SHEET 4 OF 7 SHEETS STA. 18+50.00 TO STA. 19+50.00

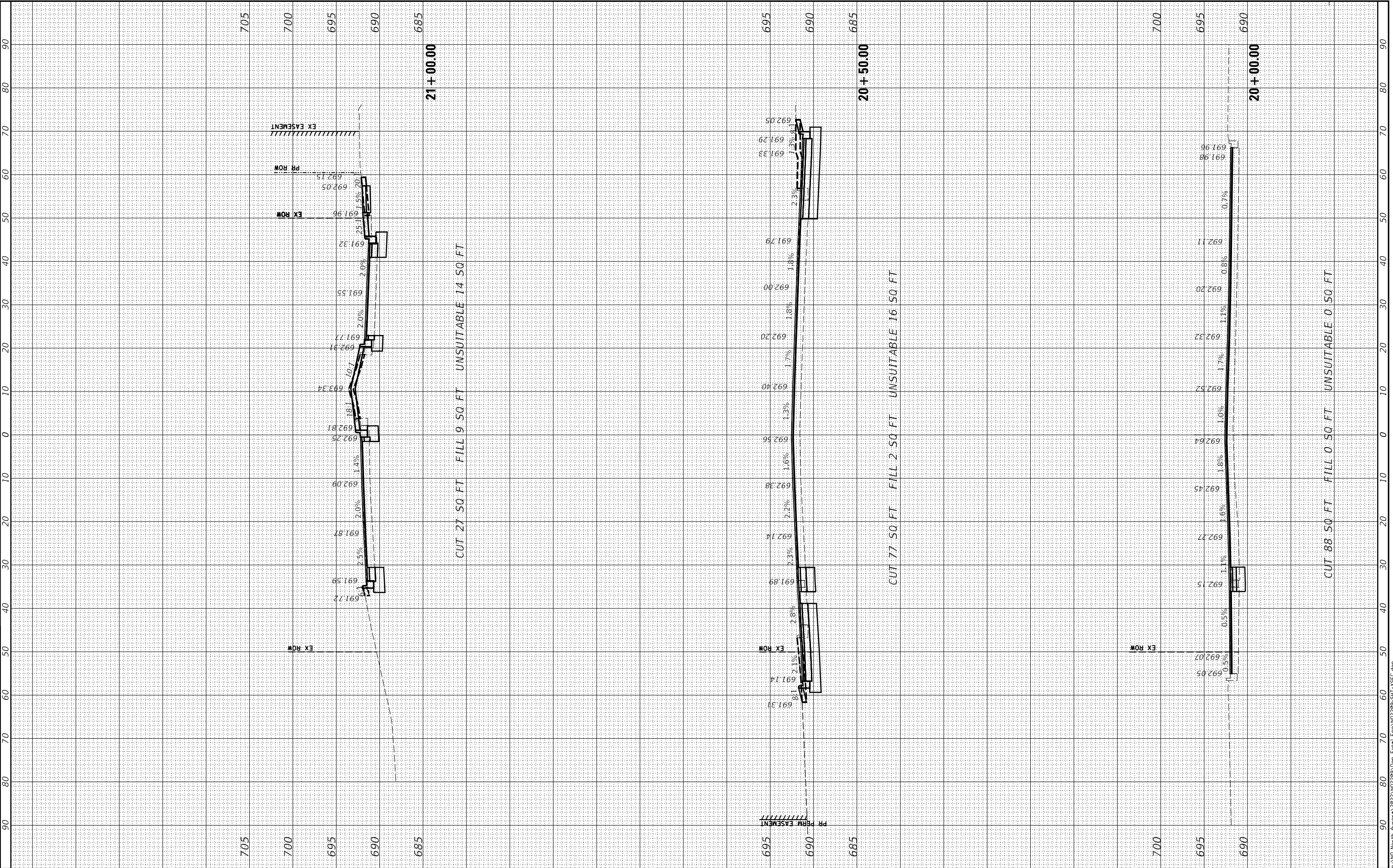
F.A.U. RTE. 0054	SECTION 21-00057-00-CH	COUNTY KANE	TOTAL SHEETS 118	SHEET NO. 115
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61L39	

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

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

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PLOT DATE = 2/19/2025 2:25:01 PM
MODEL X5 SHEET 5
FILE NAME H:\SDS\Proj\NO North Aurora\2022\NO2209-SHT-XSEC.dgn





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

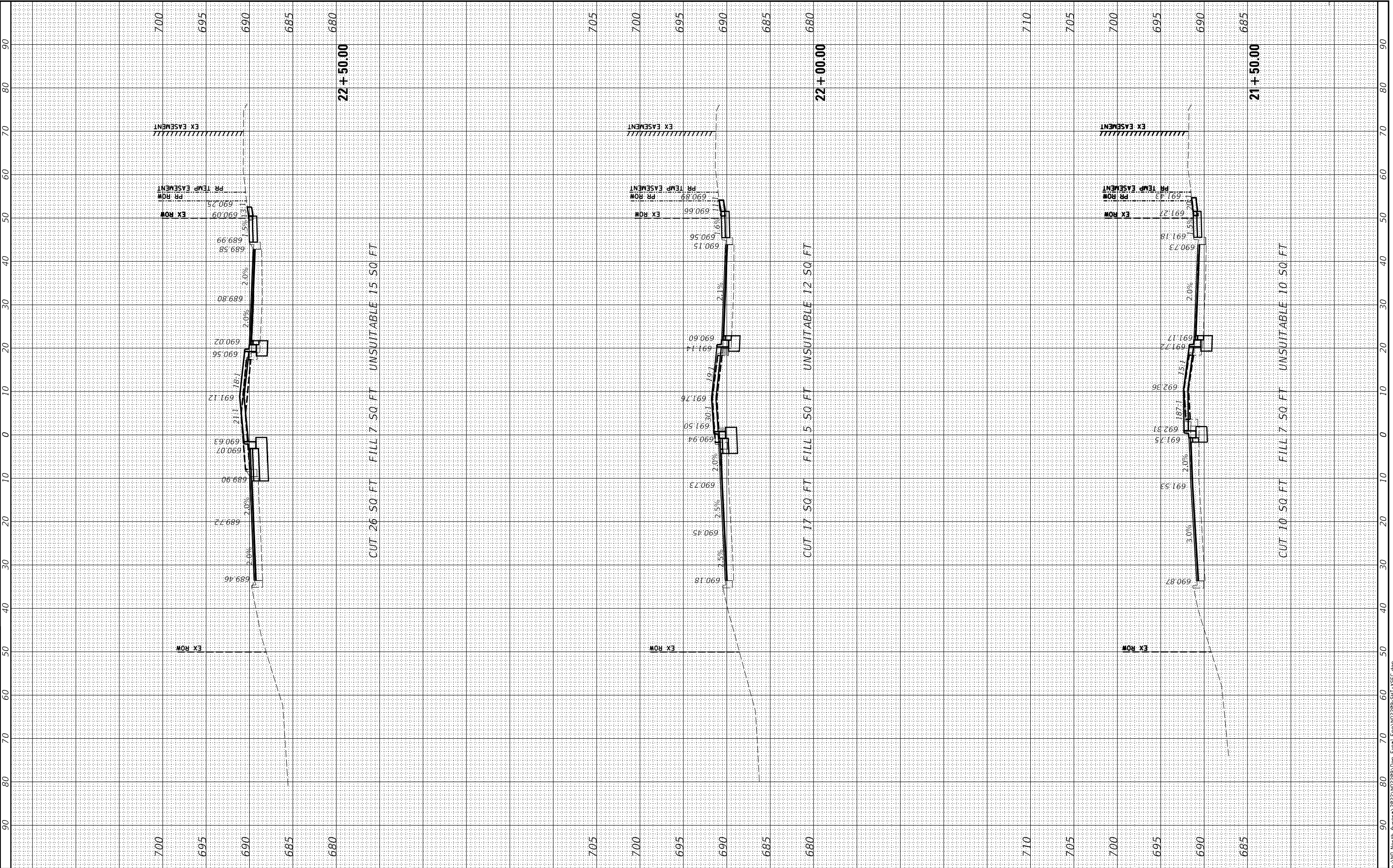
SCALE: 1"=10'H, 5'V SHEET 5 OF 7 SHEETS STA. 20+00.00 TO STA. 21+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0054	21-00057-00-CH	KANE	118	116
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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

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

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PLOT DATE = 2/19/2025 2:25:04 PM
MODEL XS SHEET 6
FILE NAME H:\SDS\Proj\NO-North Aurora\2022\NO2209-SHT-XSEC.dgn





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

F.A.U. RTE. 0054	SECTION 21-00057-00-CH	COUNTY KANE	TOTAL SHEETS 118	SHEET NO. 117
SCALE: 1"=10'H, 5'V			SHEET 6 OF 7 SHEETS	
STA. 21+50.00 TO STA. 22+50.00			CONTRACT NO. 61L39	
ILLINOIS			FED. AID PROJECT	

USER NAME = jmarigj PLOT SCALE = 1:20
PLOT DATE = 2/19/2025 2:25:19 PM
MODEL XS SHEET 7
FILE NAME H:\SDS\Proj\NO North Aurora\2022\NO2209-SHT-XSEC.dgn

50 YEARS



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DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORCHARD GATEWAY BOULEVARD
CROSS SECTIONS

SCALE: 1"=10'H, 5'V SHEET 7 OF 7 SHEETS STA. 23+00.00 TO STA. 23+50.00

F.A.U. RTE. 0054	SECTION 21-00057-00-CH	COUNTY KANE	TOTAL SHEETS 118	SHEET NO. 118
CONTRACT NO. 61L39				
ILLINOIS FED. AID PROJECT				

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

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

