

01-16-2026 LETTING ITEM 014

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

THE PROJECT IS LOCATED IN
THE VILLAGES OF UNIVERSITY
PARK AND RICHTON PARK

TRAFFIC DATA

IL ROUTE 50 (CICERO AVENUE)
SPEED LIMIT = 55 MPH
2023 ADT = 7,050

UNIVERSITY PARKWAY
SPEED LIMIT = 25 MPH
2023 ADT = 9,800

DESIGN DESIGNATION

IL ROUTE 50 (CICERO AVENUE)
PRINCIPAL ARTERIAL

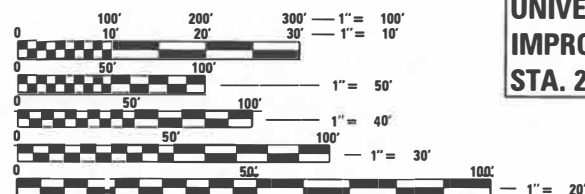
UNIVERSITY PARKWAY
MINOR ARTERIAL

IL-50 (CICERO AVENUE)
IMPROVEMENT ENDS
STA. 262 + 25.02

UNIVERSITY PARKWAY
IMPROVEMENT BEGINS
STA. 22 + 76.44

IL-50 (CICERO AVENUE)
IMPROVEMENT BEGINS
STA. 195 + 57.90

UNIVERSITY PARKWAY
IMPROVEMENT ENDS
STA. 32 + 67.53



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.

JULI.E. DESIGN STAGE REQUEST
DIG. No. A251343579, A251343588, AND A251343595



CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:

COUNTY = WILL/COOK
CITY-TOWNSHIP = UNIVERSITY PARK - MONEE/RICH TOWNSHIPS
SEC. & 1/4 SEC. NO. = SECS 4, 9, 33, AND 34
48 HOURS (2 working days) BEFORE YOU DIG

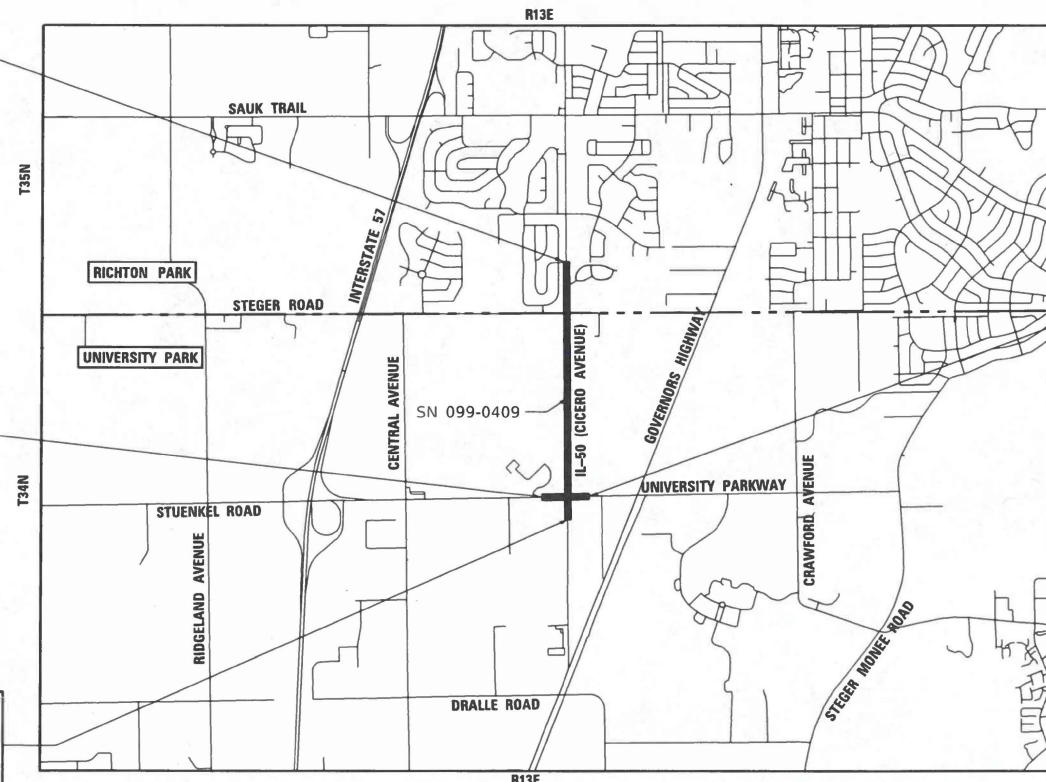
CONTRACT NO. 61L99

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP ROUTE 350
IL ROUTE 50 (CICERO AVENUE)
(UNIVERSITY PARKWAY TO BRUCE DRIVE)
STREETSCAPE
SECTION: 05-00017-00-LS
PROJECT: S7J2(575)
VILLAGE OF UNIVERSITY PARK
WILL/COOK COUNTY

C-91-321-07
LOCATION MAP
NOT TO SCALE



GROSS / NET LENGTH IL-50 (CICERO AVENUE) = 6,667.12 FT. = 1.263 MILE
GROSS / NET LENGTH UNIVERSITY PARKWAY = 991.09 FT. = 0.188 MILE
GROSS / NET LENGTH TOTAL PROJECT = 7,658.21 FT. = 1.450 MILE

BAXTER & WOODMAN
Consulting Engineers

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-LS	WILL/COOK	69	1
S7J2(575)	ILLINOIS	CONTRACT NO. 61L99		



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	<i>[Signature]</i> 7/20/25 Elizabeth Scott VILLAGE OF UNIVERSITY PARK, ILLINOIS
APPROVED	<i>[Signature]</i> 7/20/25 VILLAGE OF RICHTON PARK, ILLINOIS
PASSED	August 27, 2025 CAPRI DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	Aug 27 th , 2025 J. [Signature] REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



[Signature]
"LICENSE EXPIRES 11-30-2025"

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
Jmiller 9/30/2025 8:23:40 AM
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GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2022" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS 2026", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. THE LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
4. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
5. THE TOP OF ALL NEW CURB BOXES ON DRAINAGE STRUCTURES SHALL BE STAMPED "DUMP NO WASTE - DRAINS TO RIVER".
6. THE CONTRACTOR SHALL PROVIDE WARRANTIES OR GUARANTEES PROVIDING FOR SATISFACTORY IN-SERVICE OPERATION OF THE MECHANICAL AND ELECTRICAL EQUIPMENT AND RELATED COMPONENTS PER IDOT STANDARDS.
7. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING, GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING, AS APPLICABLE.
8. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
10. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRING ACCORDINGLY.
11. THE VILLAGE OF UNIVERSITY PARK AND ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO COMMENCING EACH CONSTRUCTION PHASE.
12. THE CONTRACTOR WILL BE REIMBURSED BY THIS CONTRACT TO THE EXACT AMOUNT OF MONEY AS BILLED BY COM-ED FOR THEIR SERVICES UNDER THE ELECTRIC UTILITY SERVICE CONNECTION PAY ITEM. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY INCIDENTAL MATERIALS AND LABOR REQUIRED TO FULFILL THE REQUIREMENTS AS SHOWN ON THE PLANS AND SPECIFIED HEREIN. SEE SECTION 109.05 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
13. ALL ELECTRICAL DEVICES AND MATERIALS SHALL BE U/L LISTED WHERE APPLICABLE.
14. PARKWAYS ARE TO BE DISTURBED AS LITTLE AS POSSIBLE. CONTRACTOR SHALL IDENTIFY AREAS REQUIRED TO BE DISTURBED TO THE ENGINEER AND RECEIVE APPROVAL PRIOR TO ANY CONSTRUCTION. ANY AREAS DISTURBED WITHOUT PRIOR APPROVAL FROM THE ENGINEER SHALL BE REPAIRED AND RESTORED AT THE CONTRACTORS EXPENSE.
15. ALL WIRING TO BE INSTALLED BY DIRECTIONAL DRILLING METHOD UNLESS OTHERWISE NOTED ON THE PLANS OR DETERMINED BY THE ENGINEER.
16. ANY EXISTING TURF AND/OR SOIL DISTURBED IN AREAS APPROVED BY THE ENGINEER THAT CANNOT REMAIN OR BE RE-USED SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
17. HANDHOLES ARE FOR THE PURPOSE OF PULLING CABLES ONLY. NO UNDERGROUND SPLICES IN HANDHOLES ARE PERMITTED.
18. MEDIAN MOUNTED LIGHTING UNITS SHALL BE LOCATED AT THE MIDPOINT OF CURB TO CURB DISTANCE, MINIMUM SETBACK 3 FEET FROM FACE OF CURB TO CENTER OF POLE,
19. SHOULDER MOUNTED LIGHTING UNITS, MINIMUM SETBACK IS 13' FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF LIGHT POLE BASE, OR 3' FROM FACE OF CURB TO CENTER OF LIGHT POLE BASE, UNLESS NOTED OTHERWISE.
20. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

21. REFER TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS FOR THE PROTECTION AND RESTORATION OF TRAFFIC SIGNS.
22. ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED AT LOCATIONS WHERE ROADWAY HAZARDS WITHIN THE WORK ZONE WILL REMAIN OVERNIGHT.

ELECTRIC UTILITY INFORMATION

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH COMED FOR THE SERVICE INSTALLATION.
THE COMED CONTACT INFORMATION IS:
COMED JOB ID - 0058389
COMED SERVICE APPLICATION - 06694783
COMED ENGINEER - TIFFANY HENDERSON PHONE: 847-921-7376

COMMITMENTS

THE PROJECT SHALL BE RE-SEEDED IN ACCORDANCE WITH IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS WITH A CLASS 5 OR 5B SEED MIX, AS APPROPRIATE, WHICH CONTAIN NATIVE FORBS AND MILKWEED.

ALL CURB RAMPS AT CROSSWALK LOCATIONS WILL BE ADDRESSED TO CERTIFY ADA COMPLIANCE.

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HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
601001-05	PIPE UNDERDRAINS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES

BENCHMARKS

BM 1	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 203+08, ELEV 784.04
BM 2	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 211+04, ELEV 780.32
BM 3	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 215+04, ELEV 777.12
BM 4	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 219+07, ELEV 774.86
BM 5	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 223+06, ELEV 772.64
BM 6	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 227+03, ELEV 768.60
BM 7	NORTHEAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 235+04, ELEV 754.54
BM 8	EAST FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE EAST SIDE OF CICERO AVENUE STA 243+00, ELEV 746.37

BAXTER & WOODMAN Consulting Engineers	USER NAME = jmiller	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS, BENCHMARKS, AND INDEX OF SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					350	05-00017-00-LS	WILL/COOK	69	2
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BAXTER & WOODMAN

Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 1 OF 6 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-LS	WILL/COOK	69	3
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 57J2(575)				

				CONSTRUCTION CODE	
				FED 80% LOCAL 20%	FED 80% LOCAL 20%
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LANDSCAPING	LIGHTING
				0031	0021
				URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	2,061	2,061	
* 21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	3,202	3,202	
* 21101825	COMPOST FURNISH AND PLACE, 6"	SQ YD	1,431	1,431	
* 25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5	
* 25000320	SEEDING, CLASS 5	ACRE	2.5	2.5	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50	
* 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	50	50	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50	
* 25100630	EROSION CONTROL BLANKET	SQ YD	1,866	1,866	
* 25200200	SUPPLEMENTAL WATERING	UNIT	10	10	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	67	67	
28000510	INLET FILTERS	EACH	4	4	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	3,202	3,202	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,531	2,531	
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	100	100	

* INDICATES SPECIALTY ITEM

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BAXTER & WOODMAN consulting Engineers	USER NAME = kroberson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONSTRUCTION CODE	
				FED 80% LOCAL 20%	FED 80% LOCAL 20%
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LANDSCAPING
					0031
					URBAN
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	360	360
*	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	45	45
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	438	438
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	397	397
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	50	50
*	87900200	DRILL EXISTING HANDHOLE	EACH	2	2
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	3
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1	1
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	435	435
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
*	89502376	REBUILD EXISTING HANDHOLE	EACH	1	1
*	C2002118	SHRUB, COTONEASTER APICULATUS (CRANBERRY COTONEASTER), 18" WIDTH, BALLED AND BURLAPPED	EACH	260	260
*	C2C024G2	SHRUB, DIERVILLA 'COOL SPLASH' (COOL SPLASH DIERVILLA), 2-GALLON	EACH	48	48
*	D2015401	EVERGREEN, JUNIPERUS CHINENSIS KALLAYS COMPACTA, (KALLAY COMPACT JUNIPER), 24" WIDTH, BALLED AND BURLAPPED	EACH	158	158
* INDICATES SPECIALTY ITEM					

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BAXTER & WOODMAN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 5 OF 6 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	7
			CONTRACT NO. 61L99	
		ILLINOIS	FED. AID PROJECT	5712(575)

				CONSTRUCTION CODE	
				FED 80% LOCAL 20%	FED 80% LOCAL 20%
				LANDSCAPING	LIGHTING
				0031	0021
				URBAN	URBAN
*	K0012970	PERENNIAL PLANTS, BULB TYPE	UNIT	7	
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	23	
*	K0026850	PERENNIAL PLANT CARE	SQ YD	1,427	
*	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	100	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2	
*	X2000001	WEED CONTROL, NATIVE LANDSCAPE REMEDIATION	UNIT	100	
	X2010516	SELECTIVE CLEARING	UNIT	100	
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	140	
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	391	
	X4403800	MEDIAN SURFACE REMOVAL	SQ FT	51,360	
	X5610001	CLEANOUTS	EACH	4	
*	X6024205	MEDIAN INLET (604101) (SPECIAL)	EACH	4	
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	52	

* INDICATES SPECIALTY ITEM

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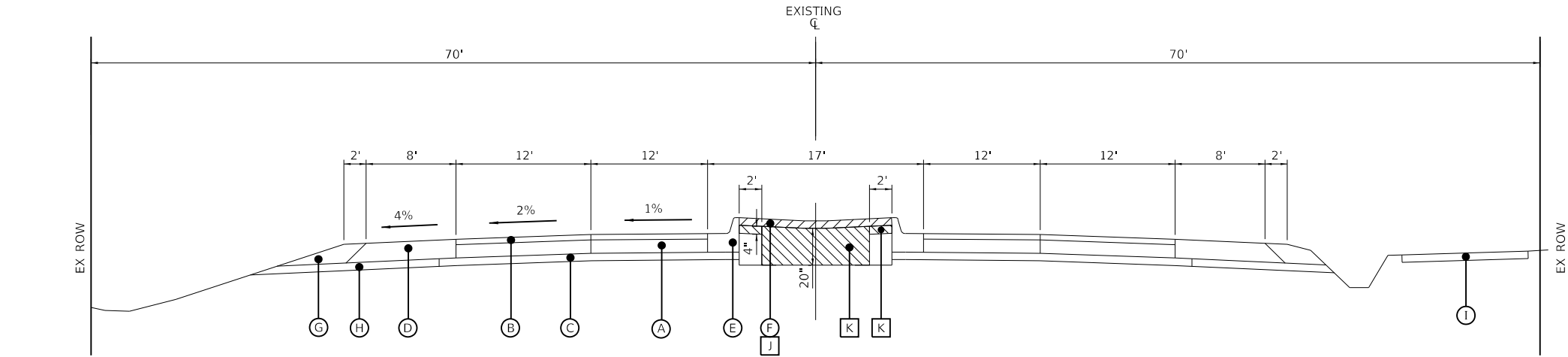


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

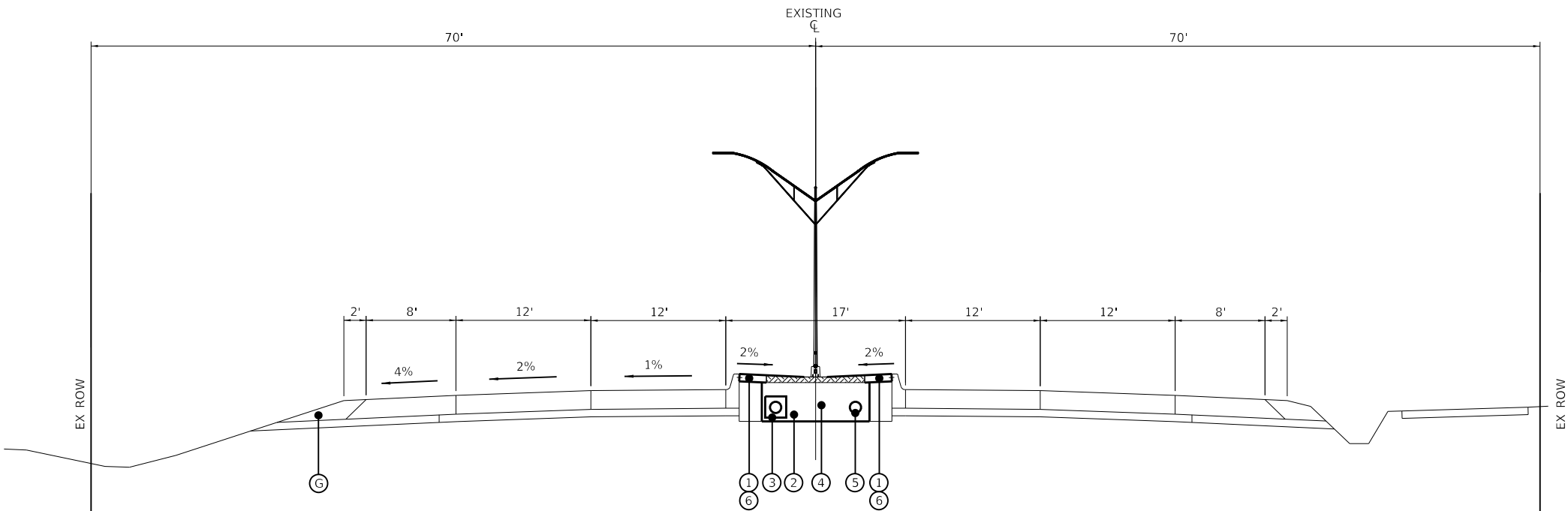
TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	9
				CONTRACT NO. 61L99
ILLINOIS FED. AID PROJECT 57J2(575)				



EXISTING TYPICAL SECTION
IL 50 (CICERO AVENUE)
STA 195+57.90 TO STA 262+25.05

- EXISTING LEGEND**
- (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
 - (B) EXISTING HMA SURFACE, X"
 - (C) EXISTING STABILIZED SUB-BASE, 4"
 - (D) EXISTING STABILIZED SHOULDERS, 10"
 - (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE SB-9.12
 - (F) EXISTING CONCRETE MEDIAN SURFACE, 4"
 - (G) EXISTING AGGREGATE SHOULDER
 - (H) EXISTING SUB-BASE GRANULAR MATERIAL
 - (I) EXISTING HOT-MIX ASPHALT BIKE PATH
 - (J) CONCRETE MEDIAN SURFACE REMOVAL
 - (K) EARTH EXCAVATION



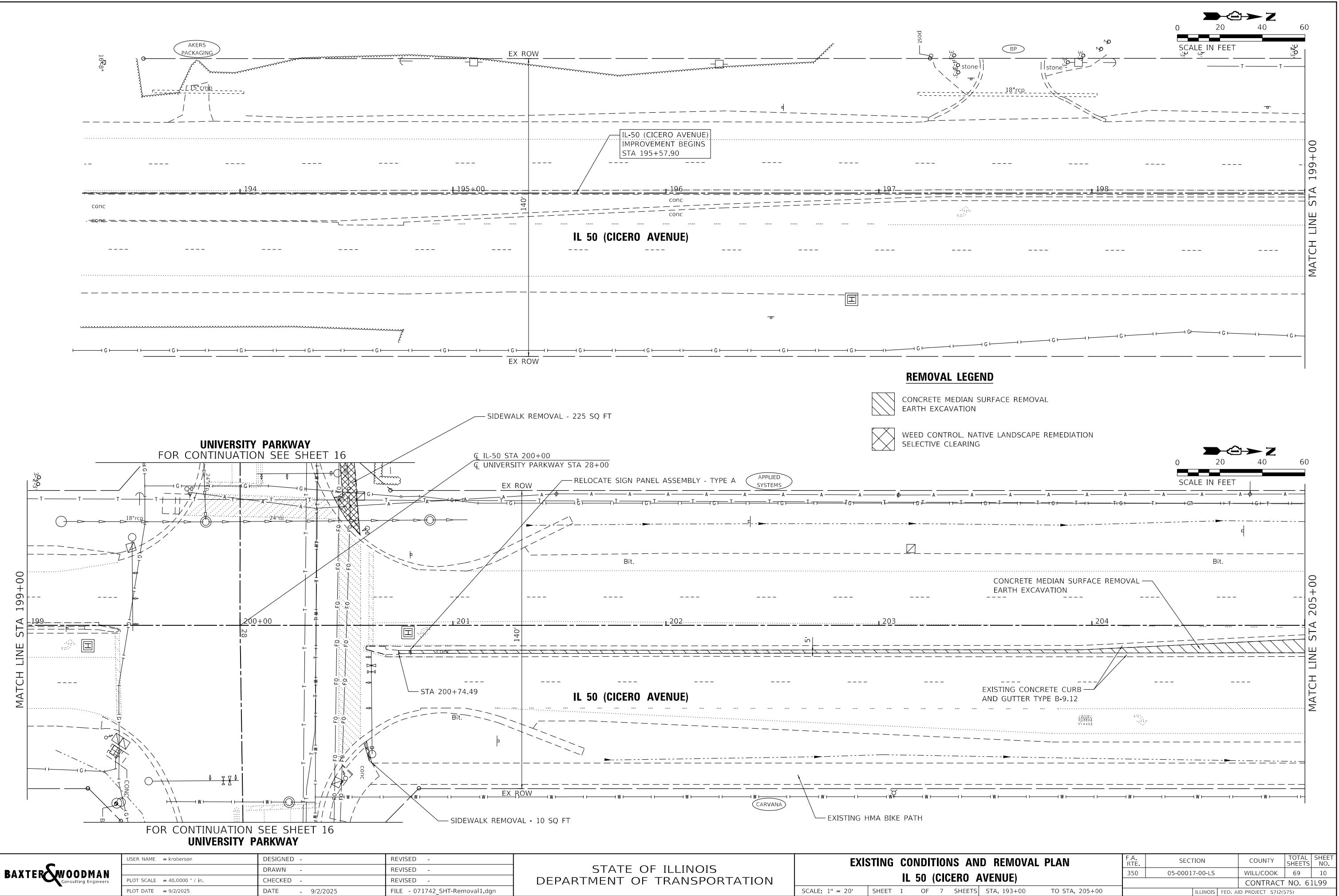
PROPOSED TYPICAL SECTION
IL 50 (CICERO AVENUE)
STA 195+57.90 TO STA 262+25.05

- PROPOSED LEGEND**
- (1) PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH
 - (2) TOPSOIL FURNISH AND PLACE, 24"
 - (3) PIPE UNDERDRAINS, TYPE 1, 4" (SEE DETAIL, SHT 38)
 - (4) STREETLIGHT
 - (5) STREET LIGHTING UNIT DUCT
 - (6) AGGREGATE BASE COURSE, TYPE B 4"

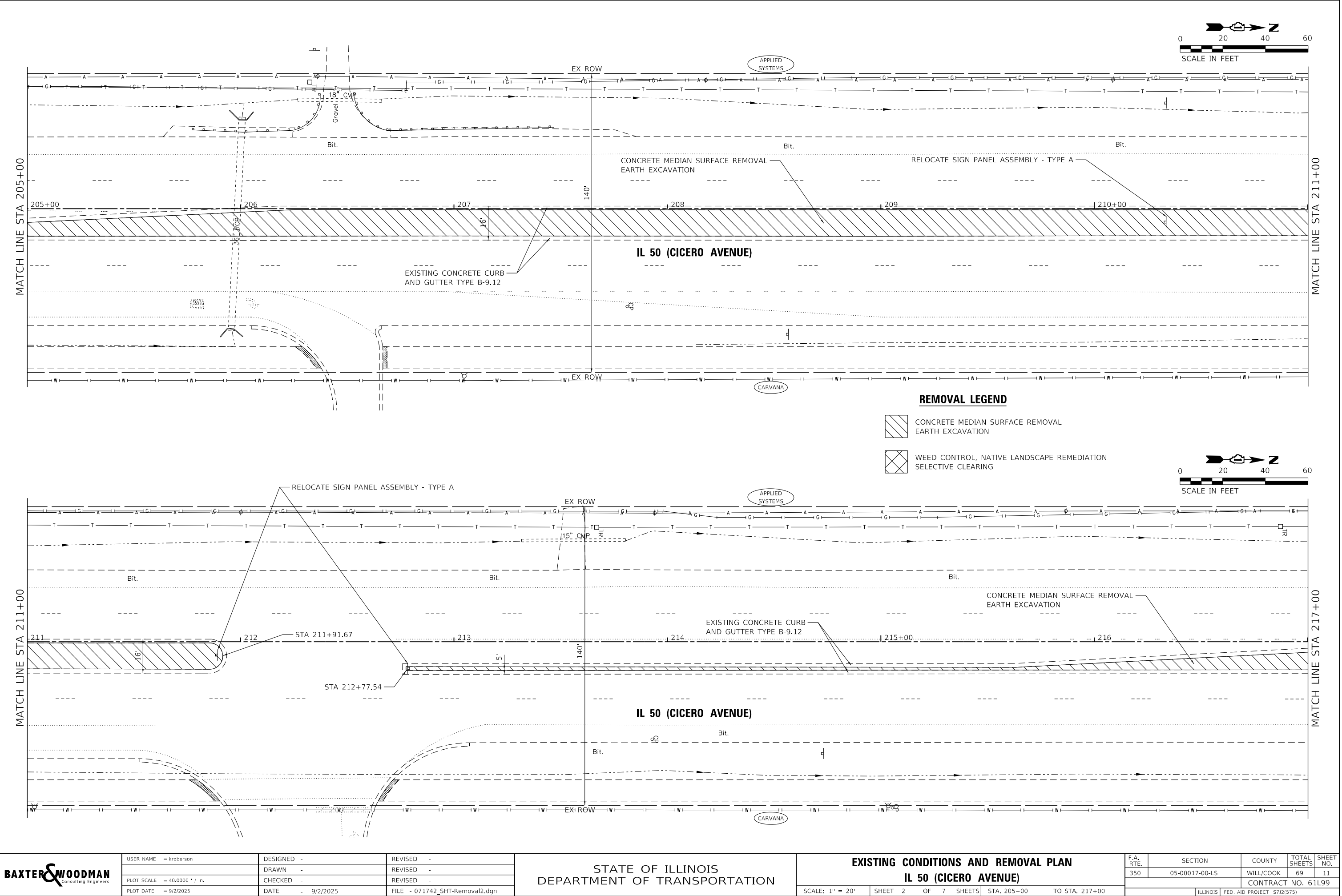
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
INCIDENTAL HOT-MIX ASPHALT SURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50;	4% @ 50 Gyr.	LR1030-2
QMP designation: Quality Control/Quality Assurance per LR1030-2		

- NOTES:
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 - THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
KROBERSON
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PLOT DATE = 9/2/2025
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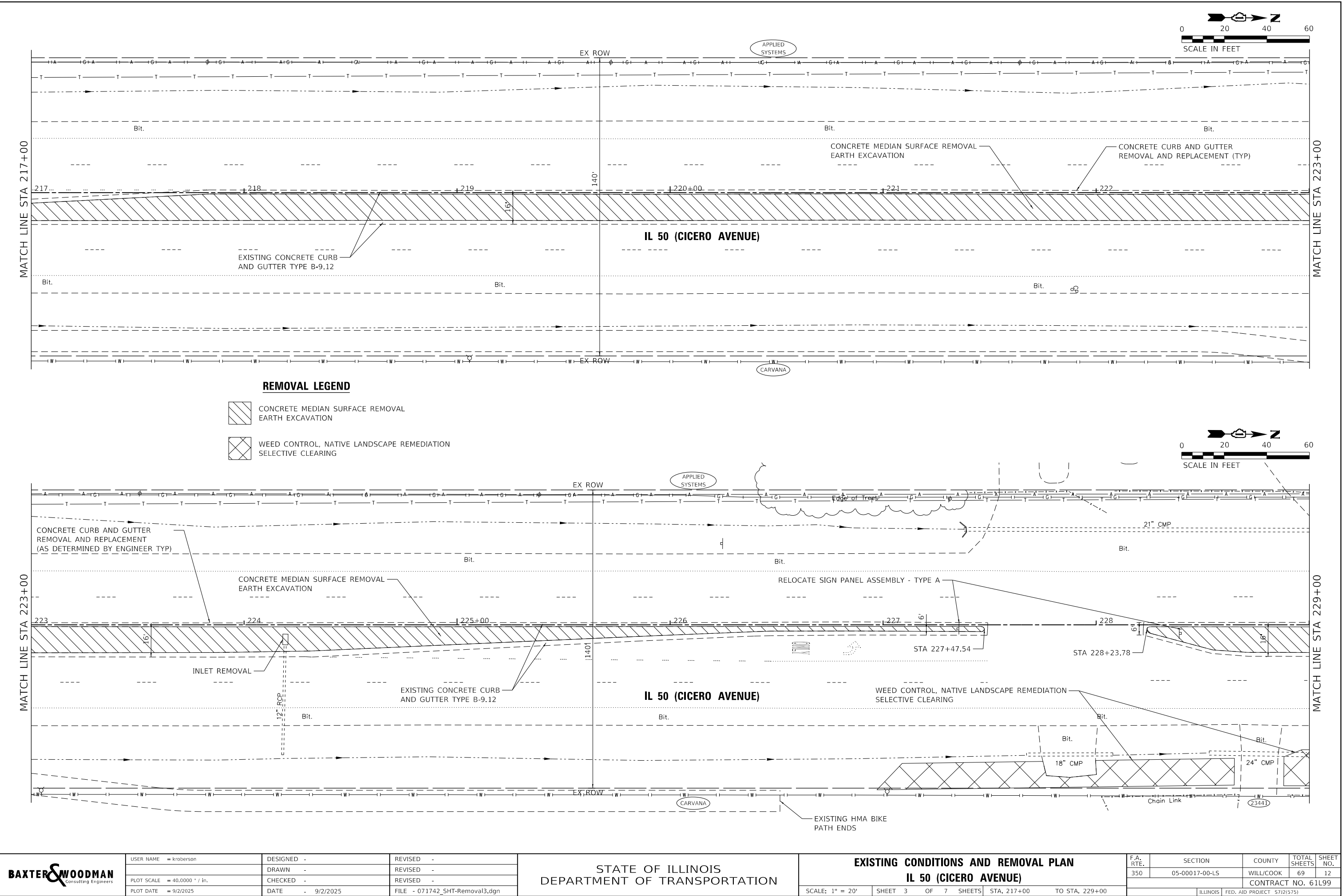
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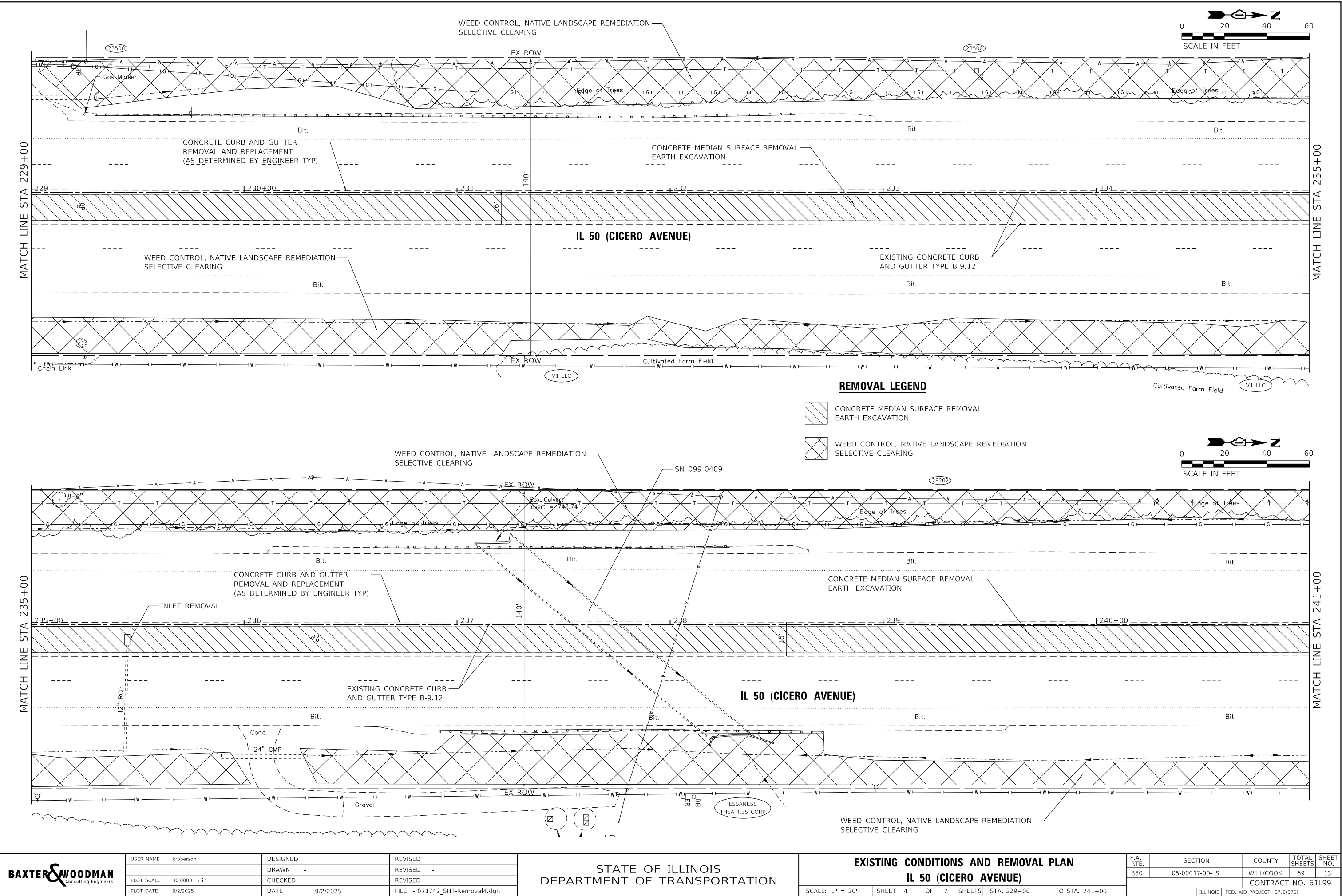
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	DRAWN -	REVISED -
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PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-Removal2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
KROPERSON
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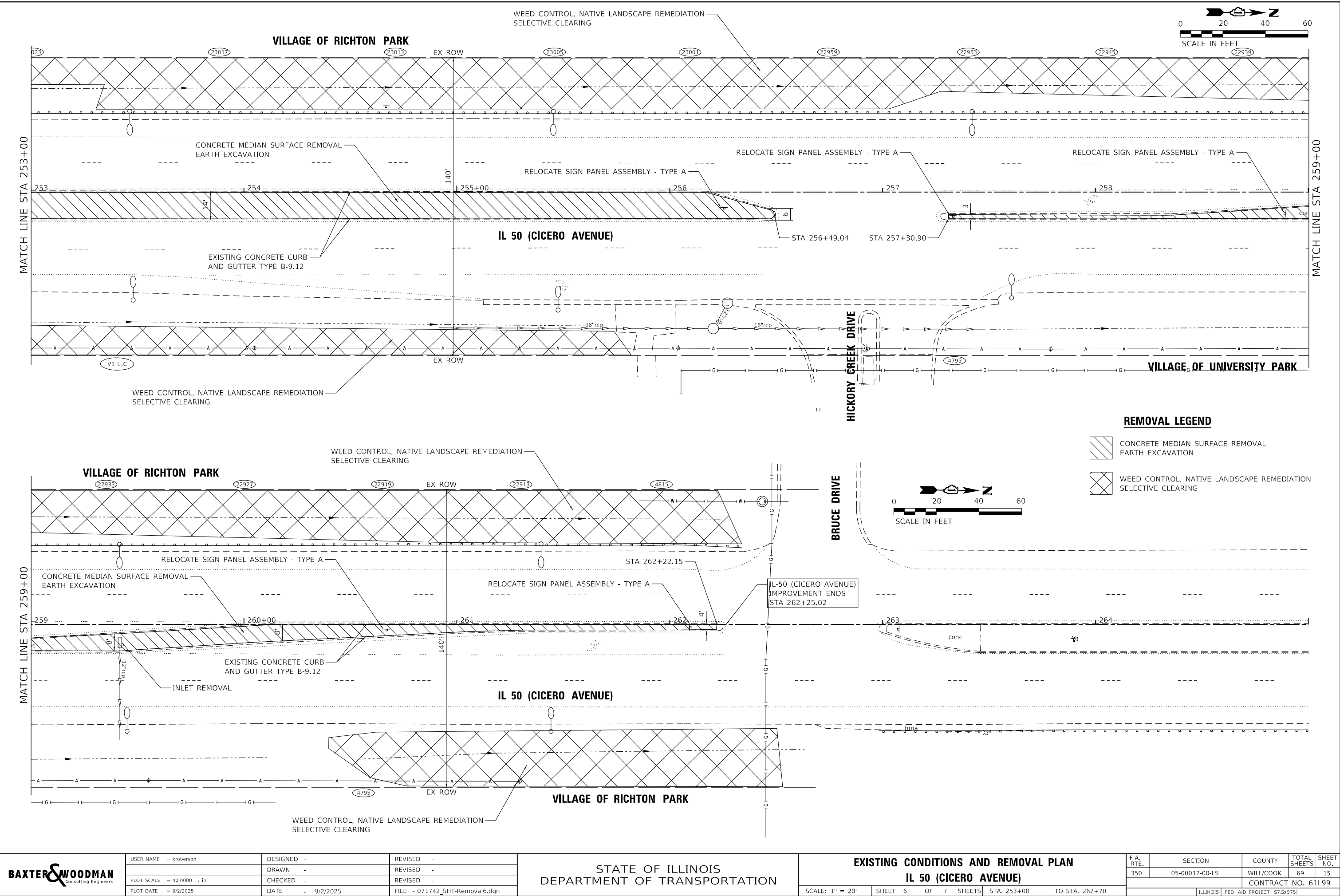


STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	USER NAME = kroberson		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS AND REMOVAL PLAN					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.										
			DRAWN -	REVISED -		IL 50 (CICERO AVENUE)					350	05-00017-00-L5	WILL/COOK	69	13										
	PLOT SCALE = 40,0000 ' / in.		CHECKED -	REVISED -							CONTRACT NO. 61199														
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																ILLINOIS					FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
kroberson
9/2/2025
11:34:50 AM
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USER NAME	= kroberson	DESIGNED	-	REVISED	-
DRAWN	-	DRAWN	-	REVISED	-
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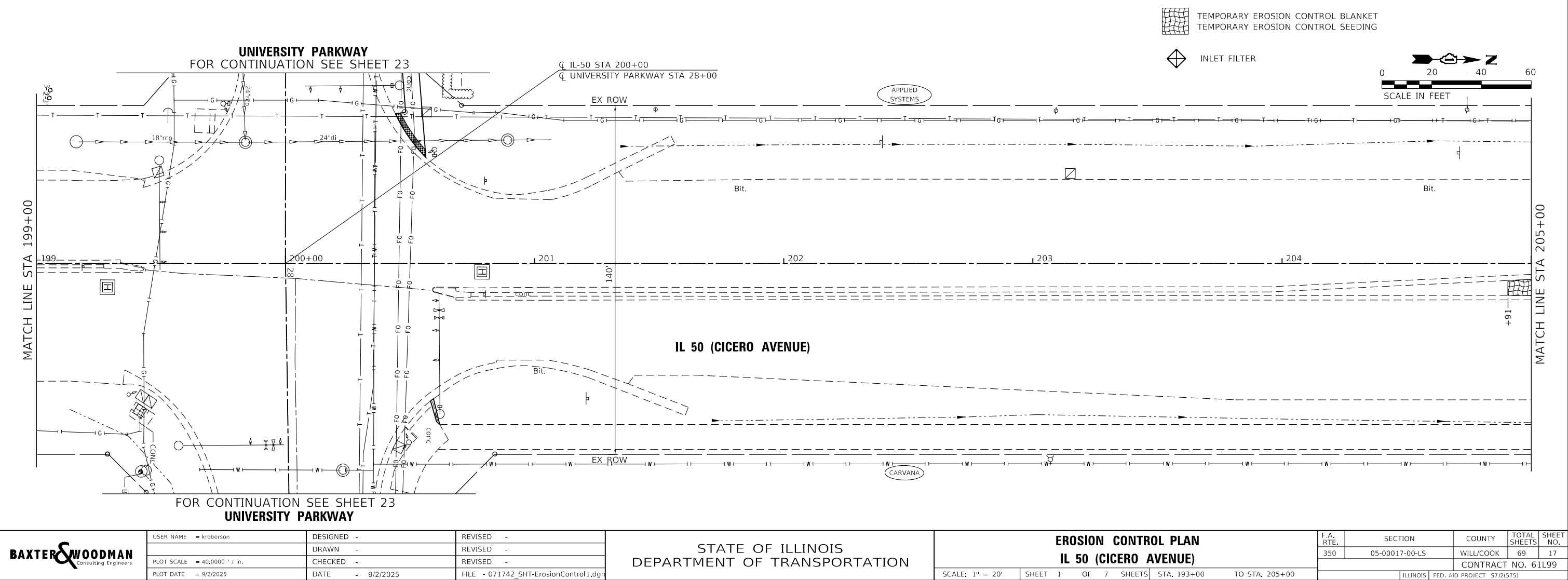
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
IL 50 (CICERO AVENUE)

SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. 253+00 TO STA. 262+70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	15
CONTRACT NO. 611L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
KROBERSON
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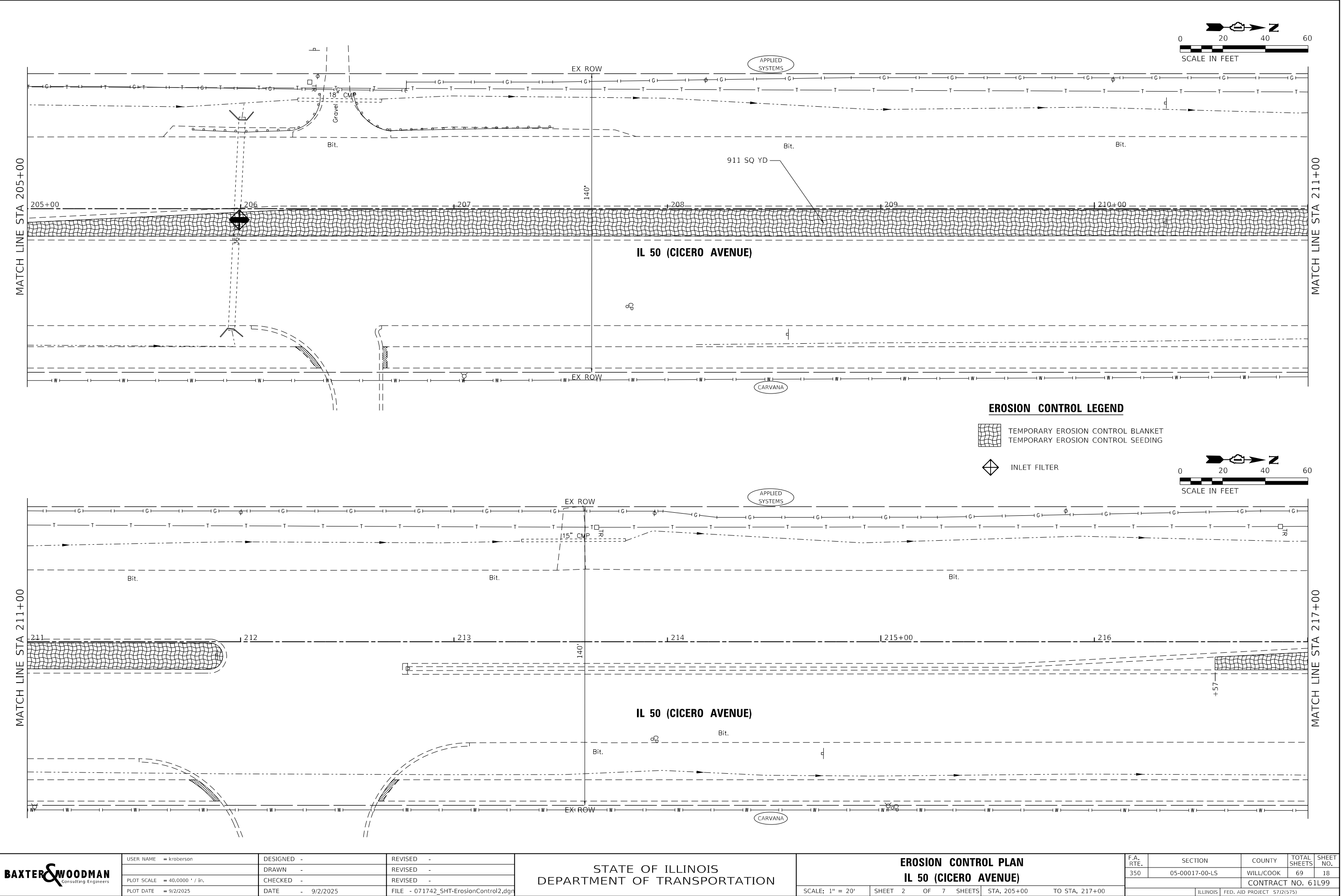


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

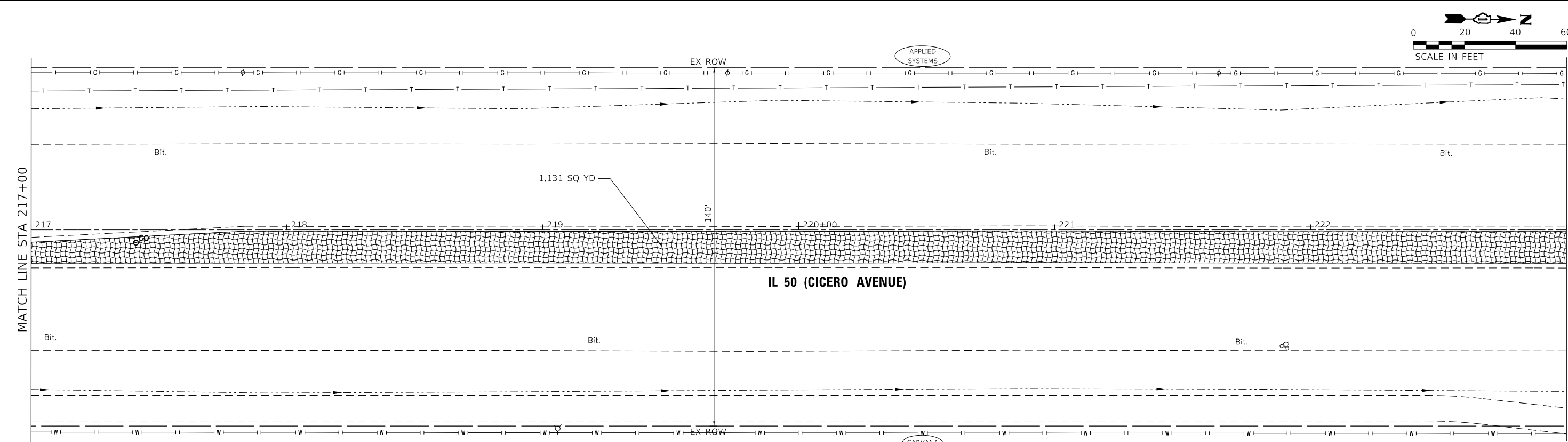
EROSION CONTROL PLAN
IL 50 (CICERO AVENUE)

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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kroberson 9/2/2025 11:34:52 AM
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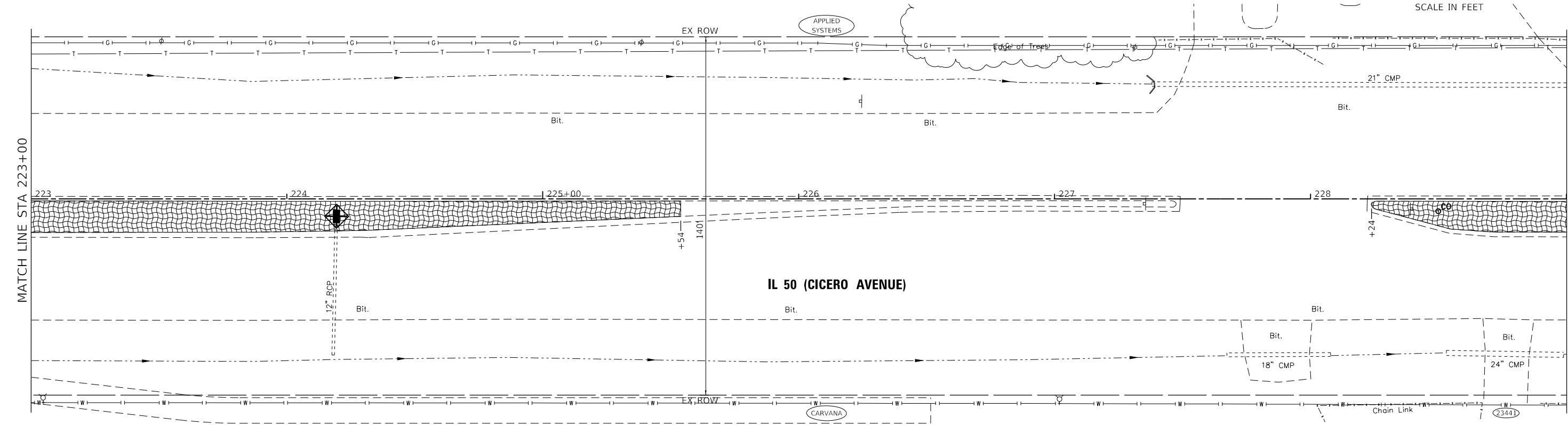
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTER



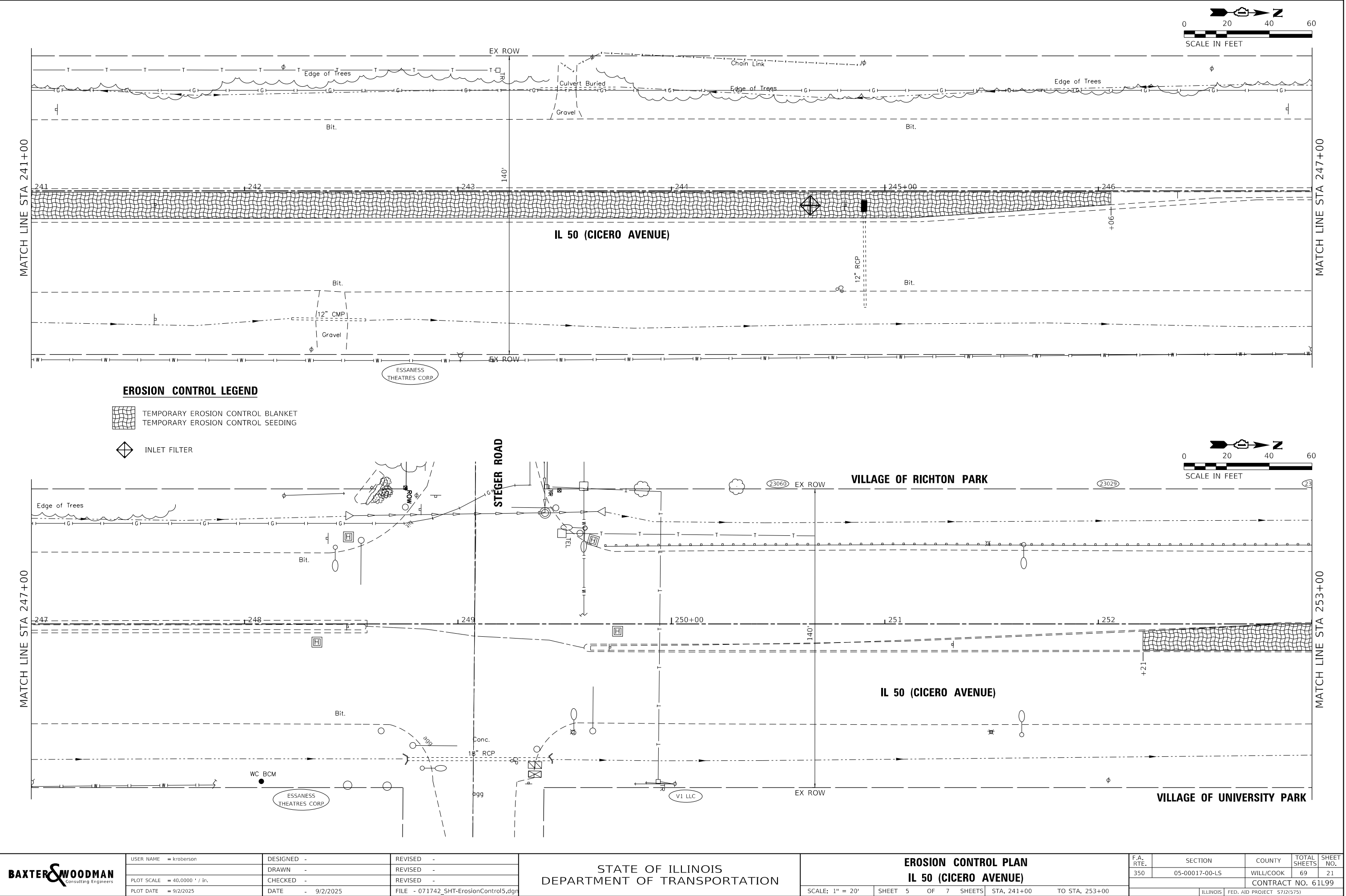
BAXTER & WOODMAN Consulting Engineers	USER NAME = kroberson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN IL 50 (CICERO AVENUE)					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		350	05-00017-00-LS	WILL/COOK	69	19					
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 61L99									
	PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-ErosionControl3.dgn		SCALE: 1" = 20'					SHEET 3	OF 7 SHEETS	STA. 217+00	TO STA. 229+00	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
KROBERSON
PLOT SCALE = 40,0000 ' / in.
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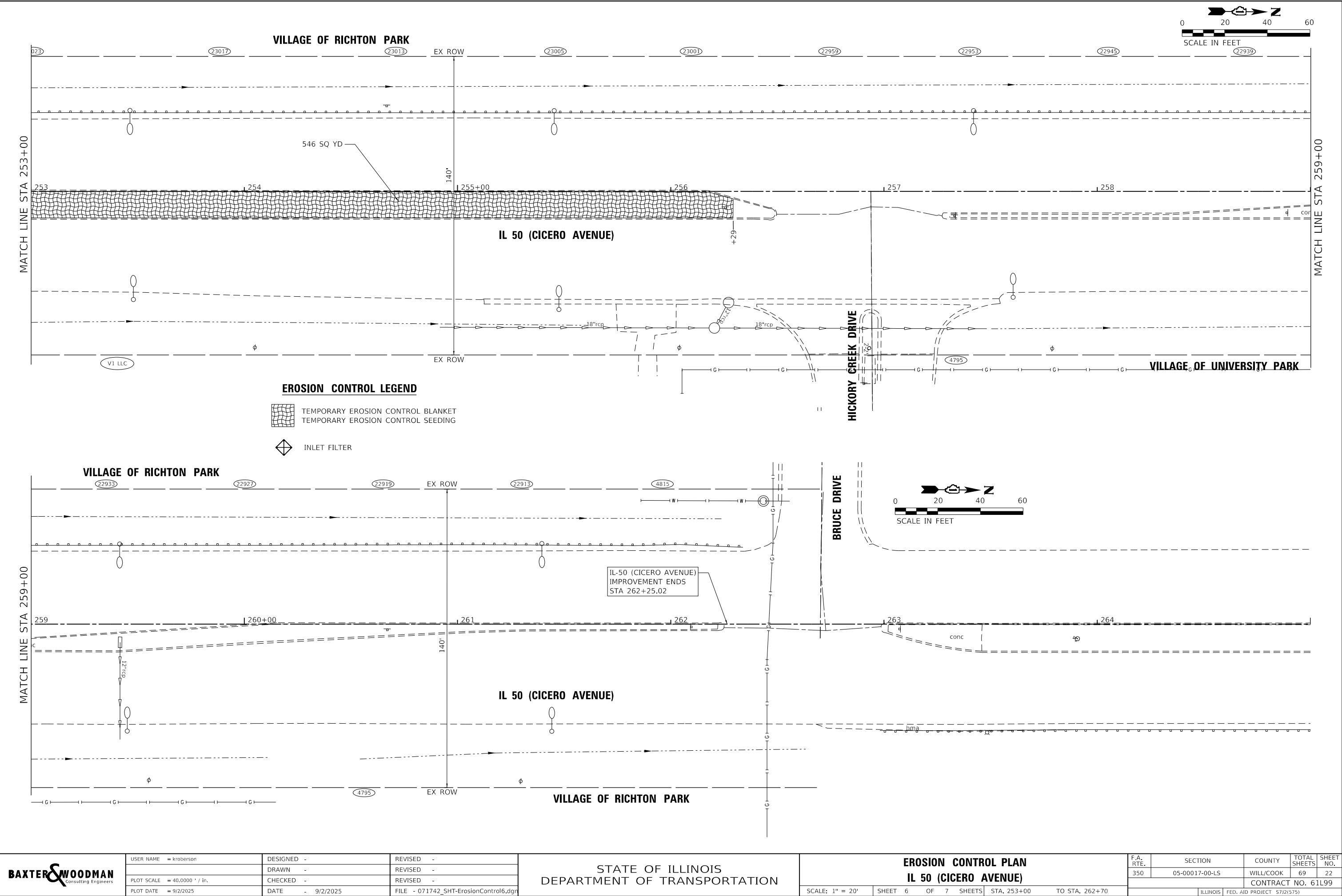
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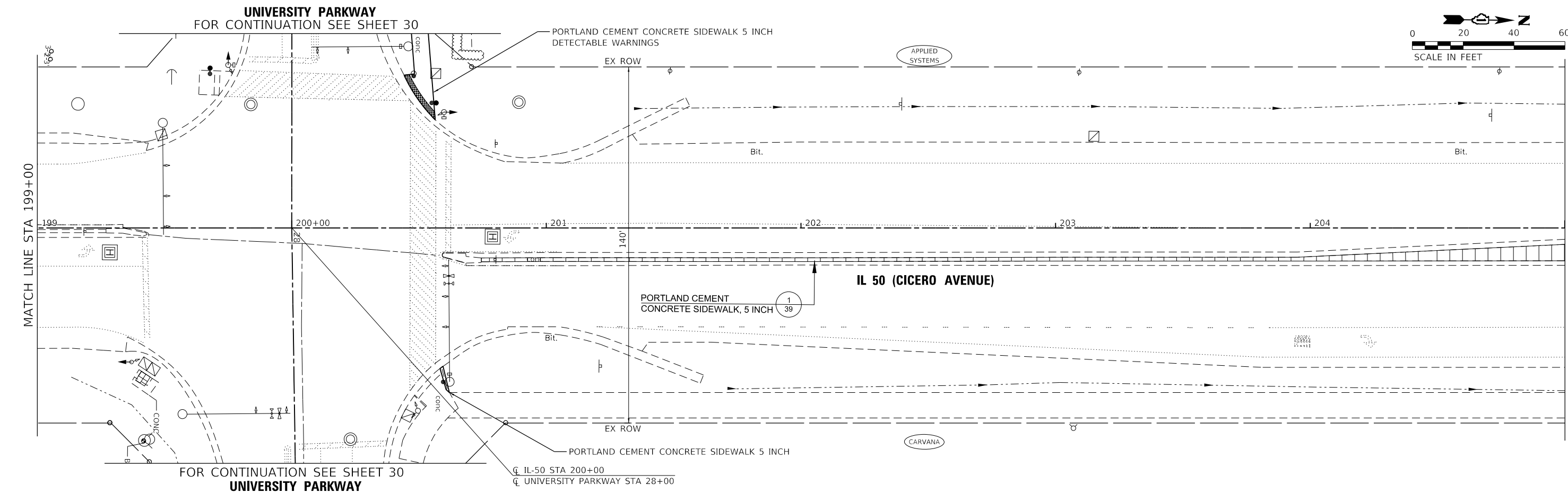
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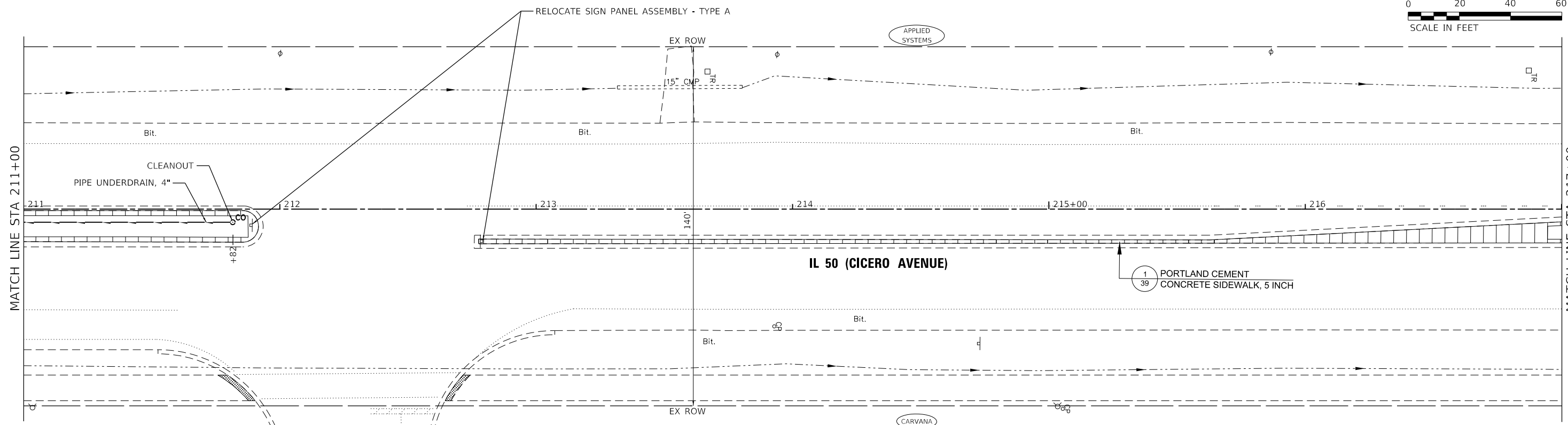
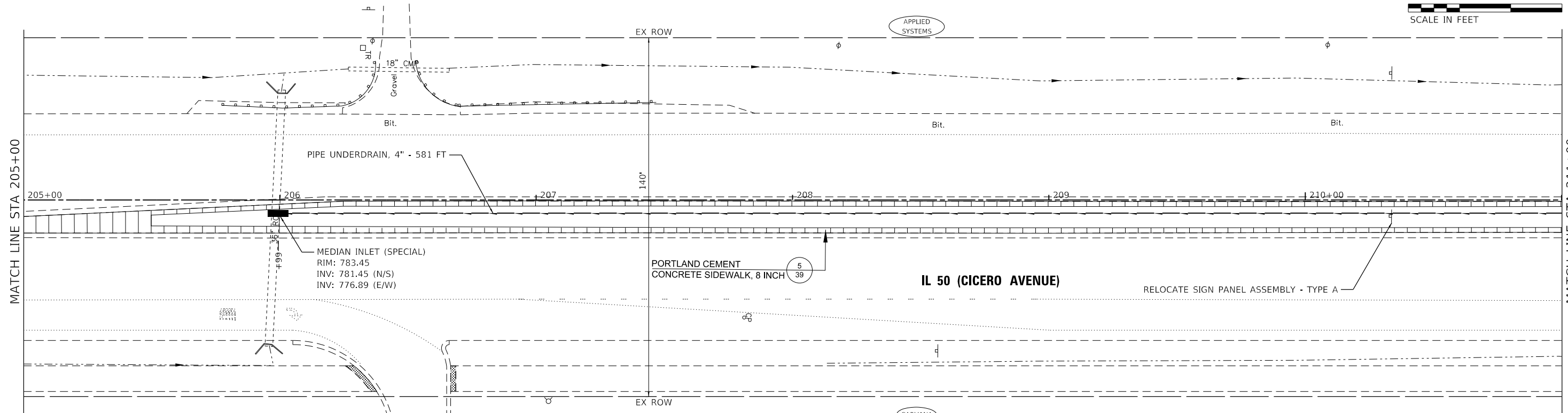
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LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
9/2/2025 11:34:56 AM
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
kroberson 9/2/2025 11:34:59 AM
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BAXTER & WOODMAN Consulting Engineers	USER NAME = kroberson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STREETSCAPE PLAN IL 50 (CICERO AVENUE)					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -							350	05-00017-00-L5	WILL/COOK	69	24
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		DATE - 9/2/2025	FILE - 071742_SHT-Plan1.dgn		SCALE: 1" = 20'					SHEET 1 OF 7 SHEETS		STA. 193+00 TO STA. 205+00		



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
kroberson
PLOT SCALE = 40,0000 ' / in.
PLOT DATE = 9/2/2025
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DESIGNED	-
DRAWN	-
CHECKED	-
DATE	9/2/2025

REVISED	-
REVISED	-
REVISED	-
FILE	- 071742_SHT-Plan3.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREETSCAPE PLAN
IL 50 (CICERO AVENUE)

SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. 217+00 TO STA. 229+00

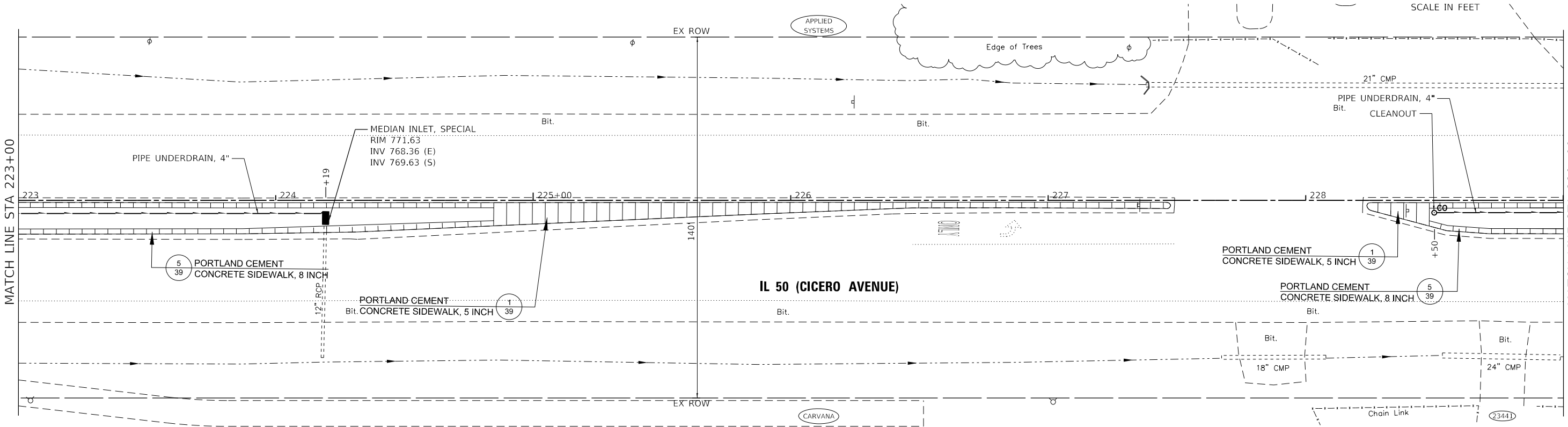
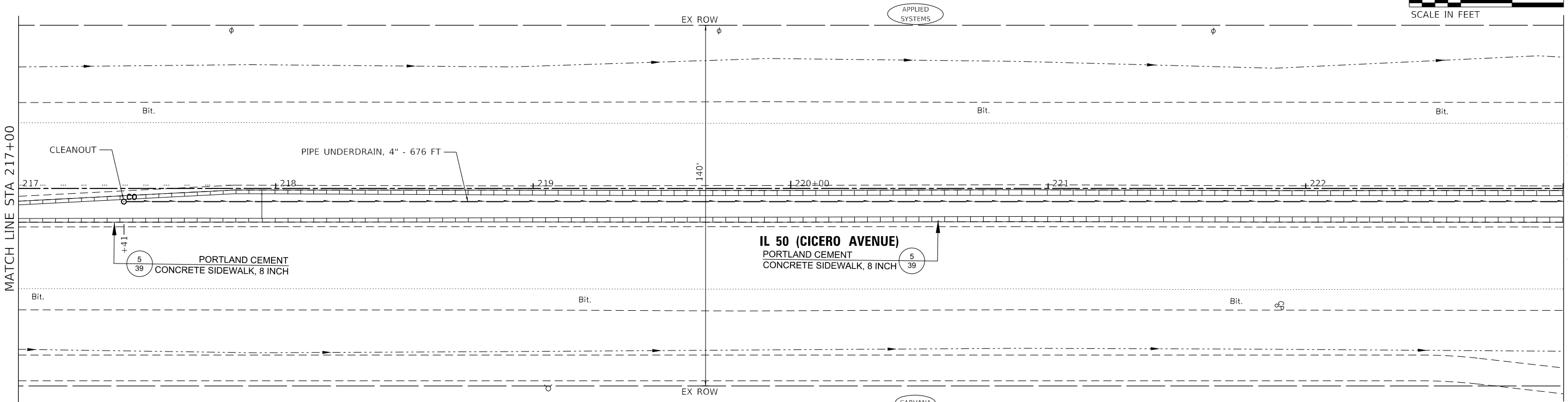
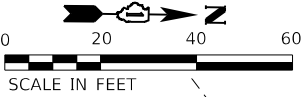
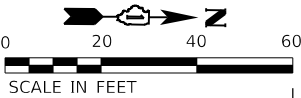
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	26
CONTRACT NO. 611L99				
ILLINOIS FED. AID PROJECT 5712(575)				

MATCH LINE STA 217+00

MATCH LINE STA 223+00

MATCH LINE STA 223+00

MATCH LINE STA 229+00



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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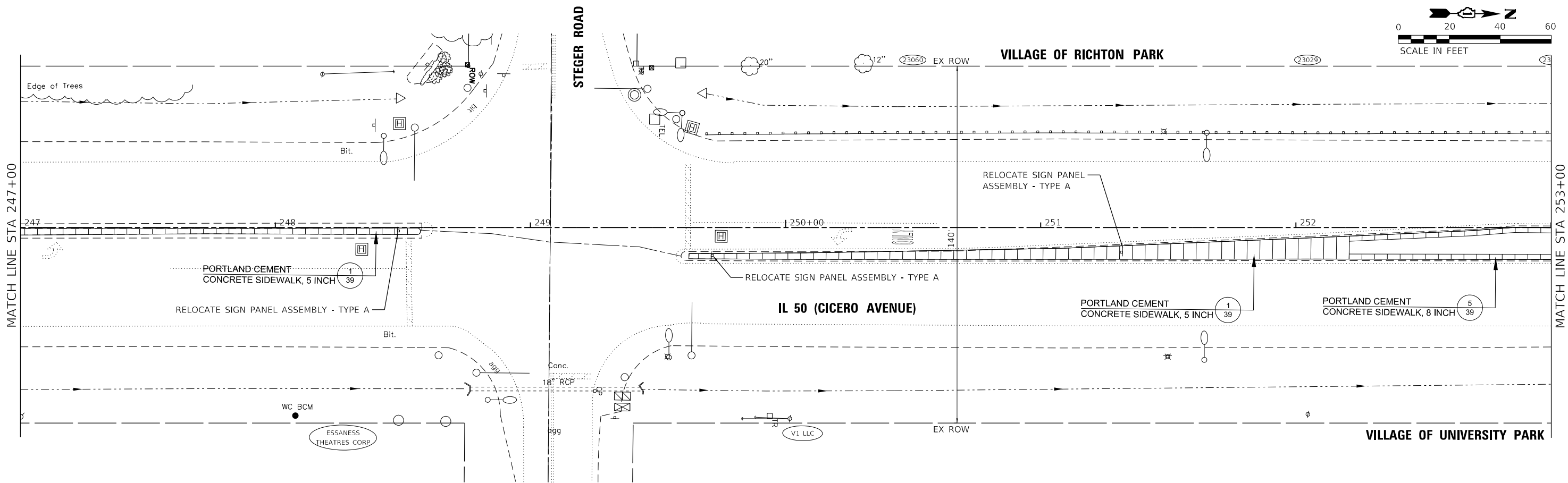
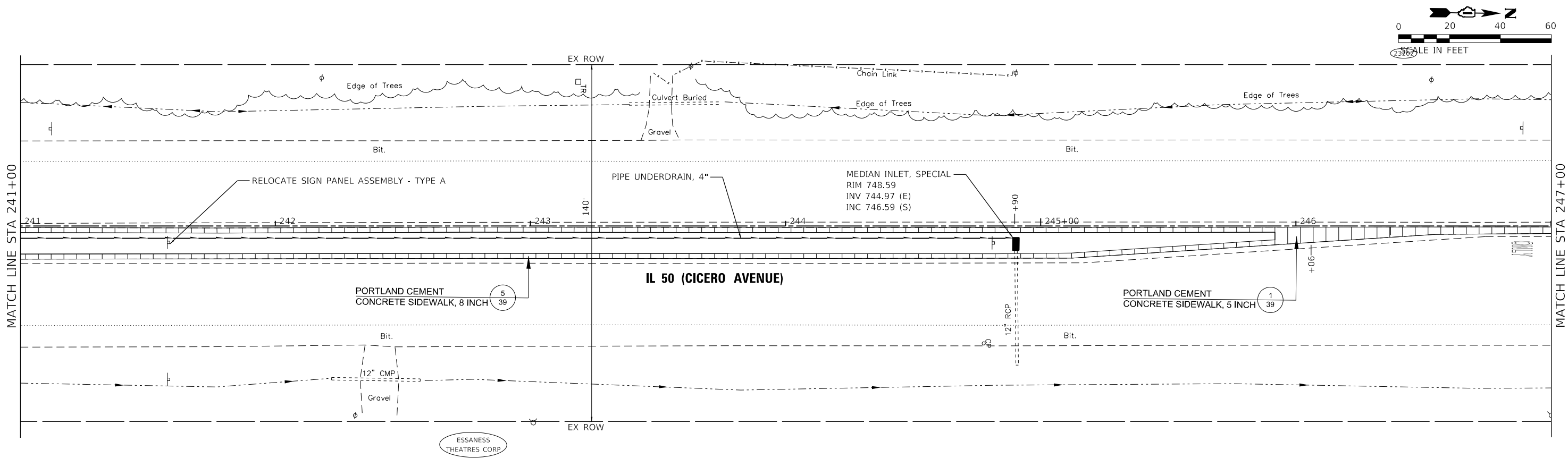


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREETSCAPE PLAN IL 50 (CICERO AVENUE)			
SCALE: 1" = 20'	SHEET 5	OF 7 SHEETS	STA. 241+00 TO STA. 253+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	28
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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9/2/2025 11:35:06 AM
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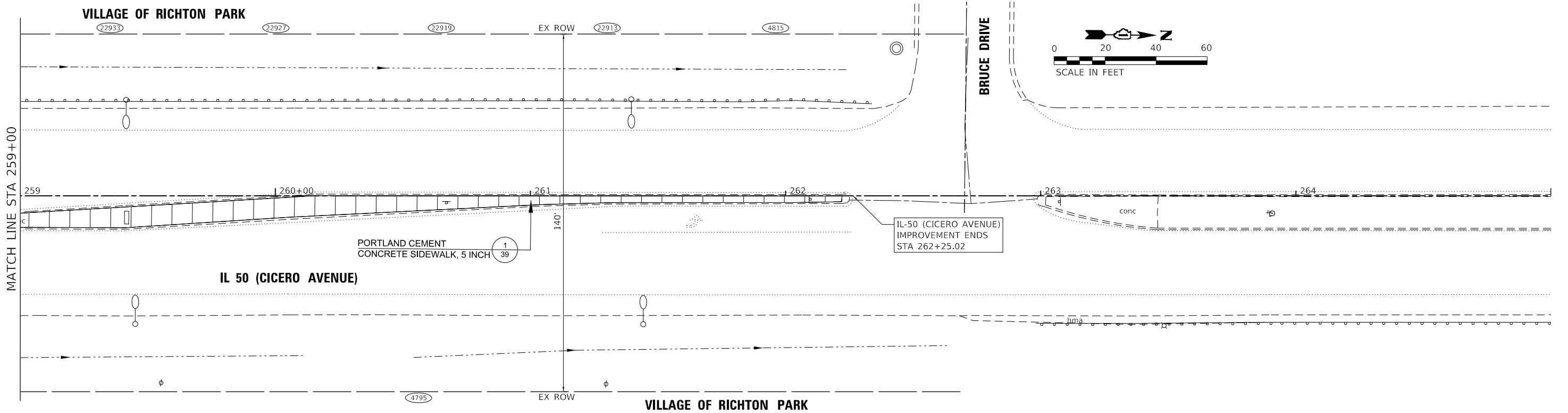
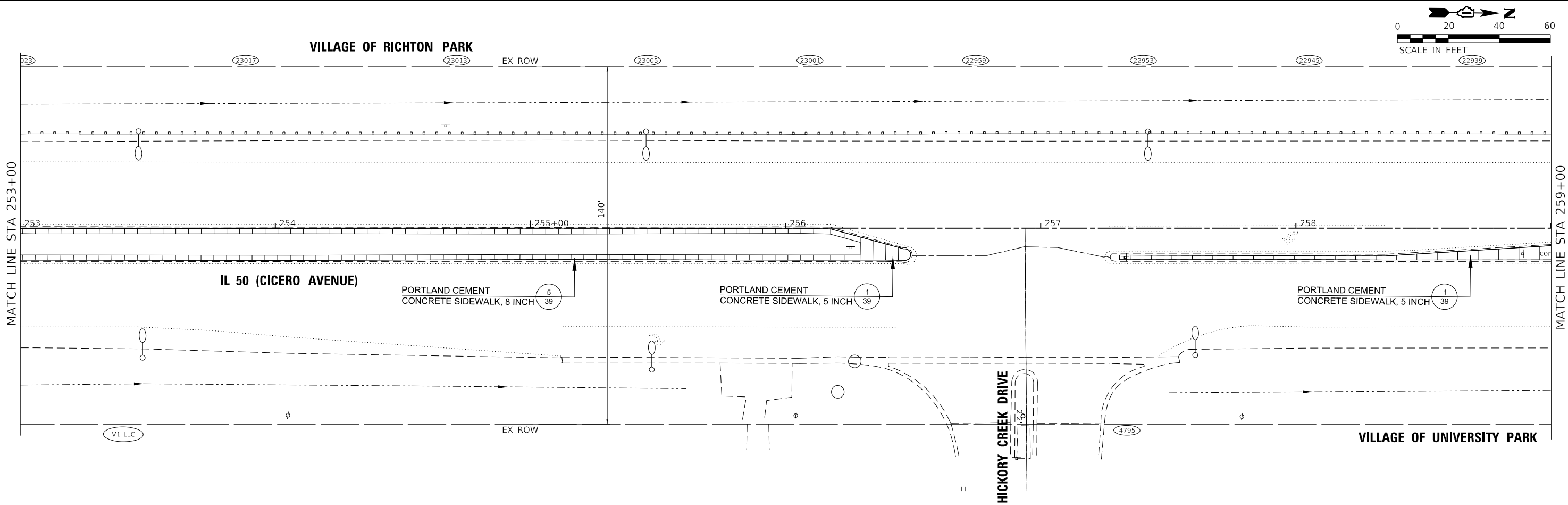


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREETSCAPE PLAN			
IL 50 (CICERO AVENUE)			
SCALE: 1" = 20'	SHEET 6	OF 7 SHEETS	STA. 253+00 TO STA. 262+70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 57J2(575)				



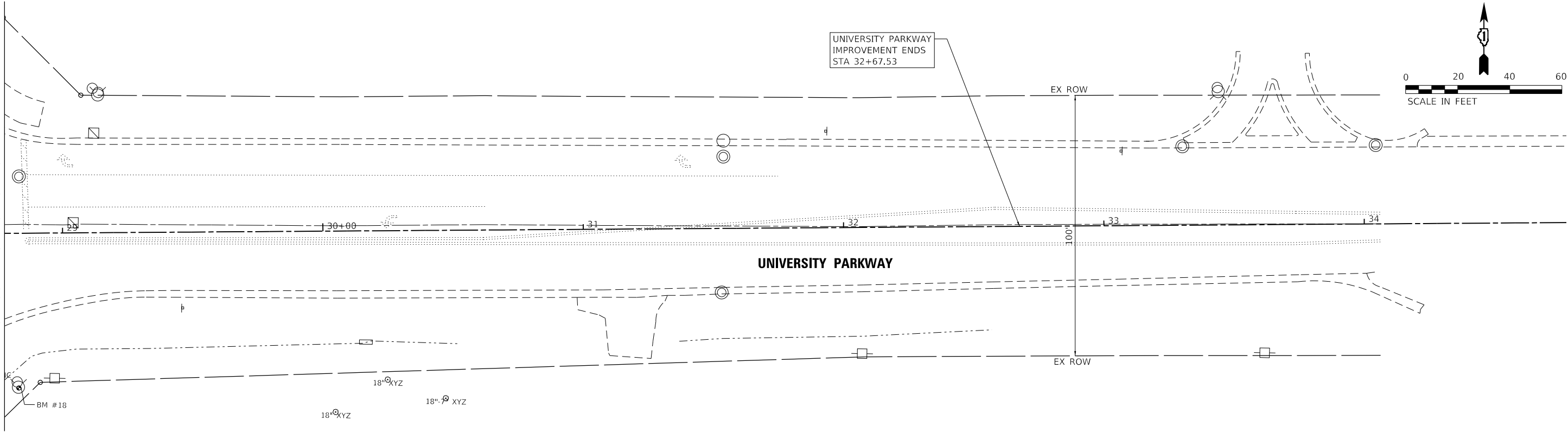
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
kroberson 9/2/2025 11:35:07 AM
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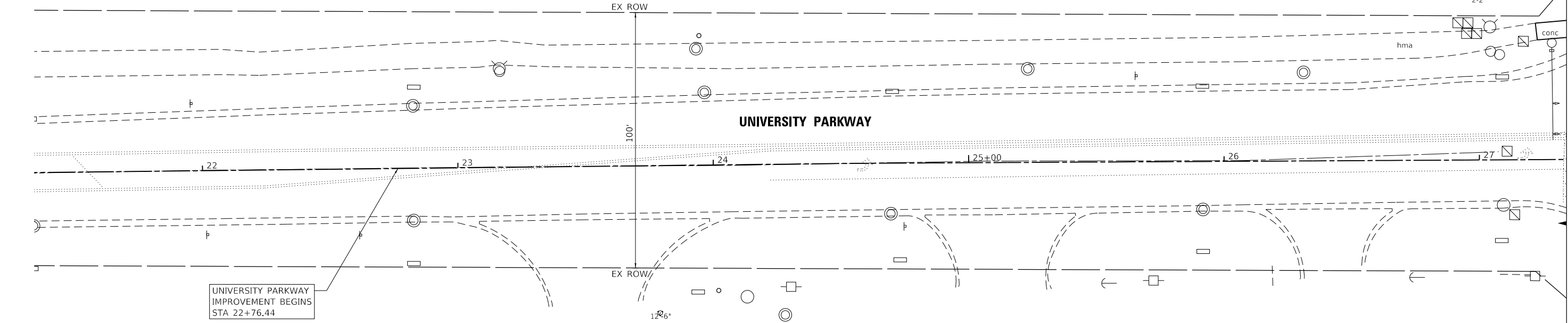
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IL 50 (CICERO AVENUE)
FOR CONTINUATION SEE SHEET 24



NO STREETSCAPE
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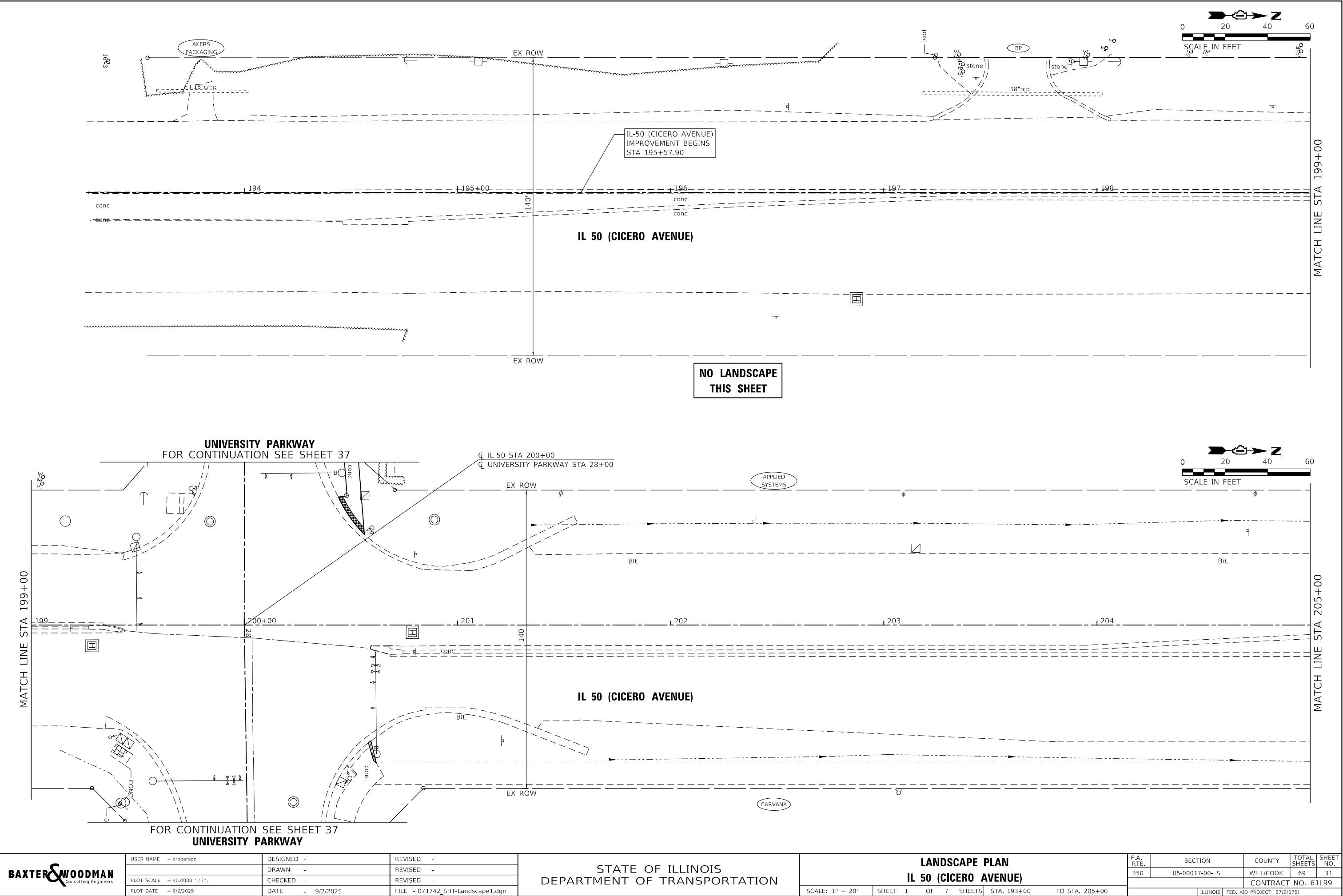


FOR CONTINUATION SEE SHEET 24
IL 50 (CICERO AVENUE)

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	DRAWN -	CHECKED -	REVISED -					350	05-00017-00-L5	WILL/COOK	69 30
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	PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-Plan7.dgn			ILLINOIS FED. AID PROJECT 5712(575)					
SCALE: 1" = 20'		SHEET 7	OF 7 SHEETS	STA.	TO STA.						

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
kroberson 9/2/2025 11:35:09 AM
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PLOT DATE	= 9/2/2025

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DATE	- 9/2/2025

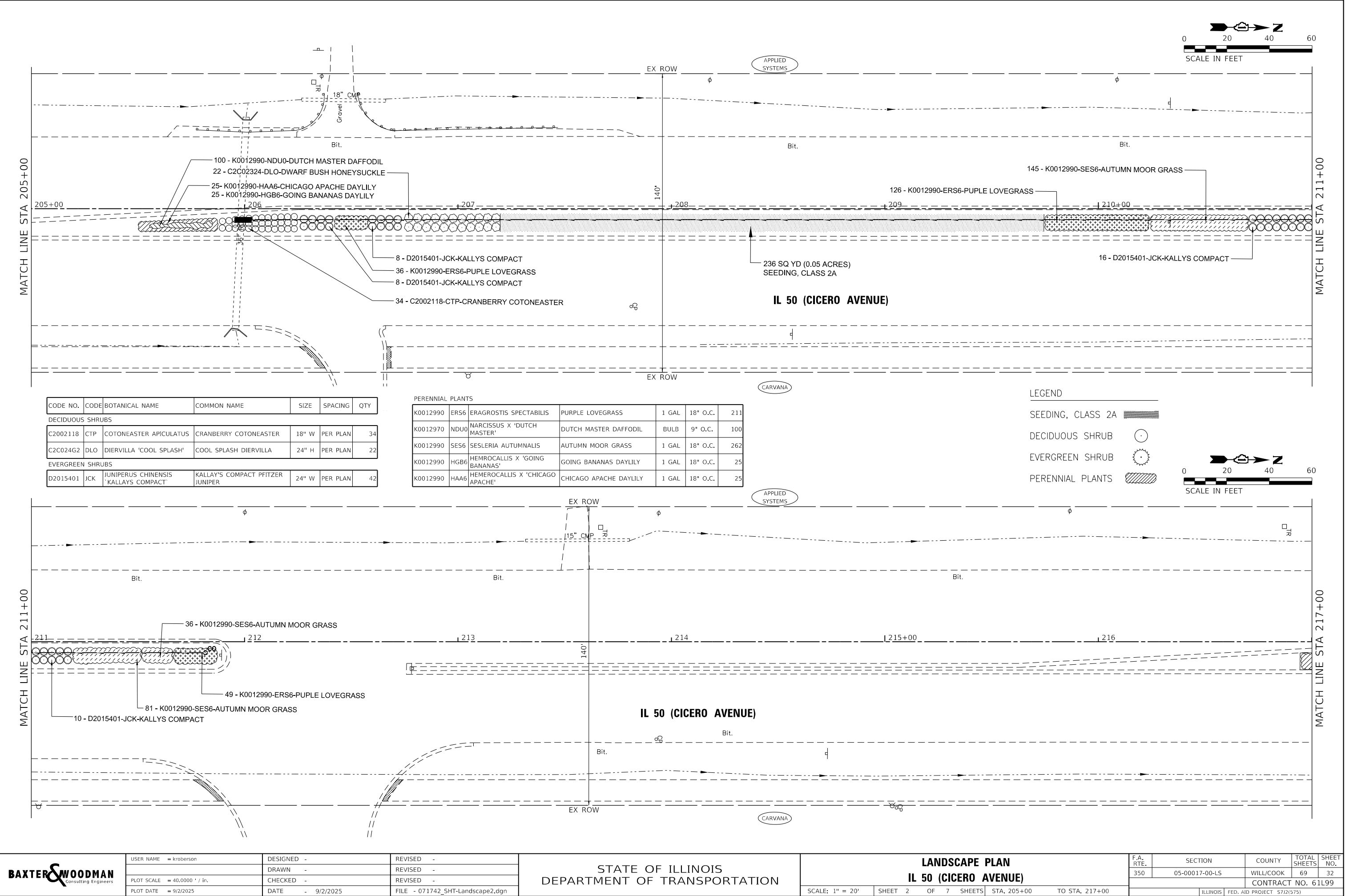
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

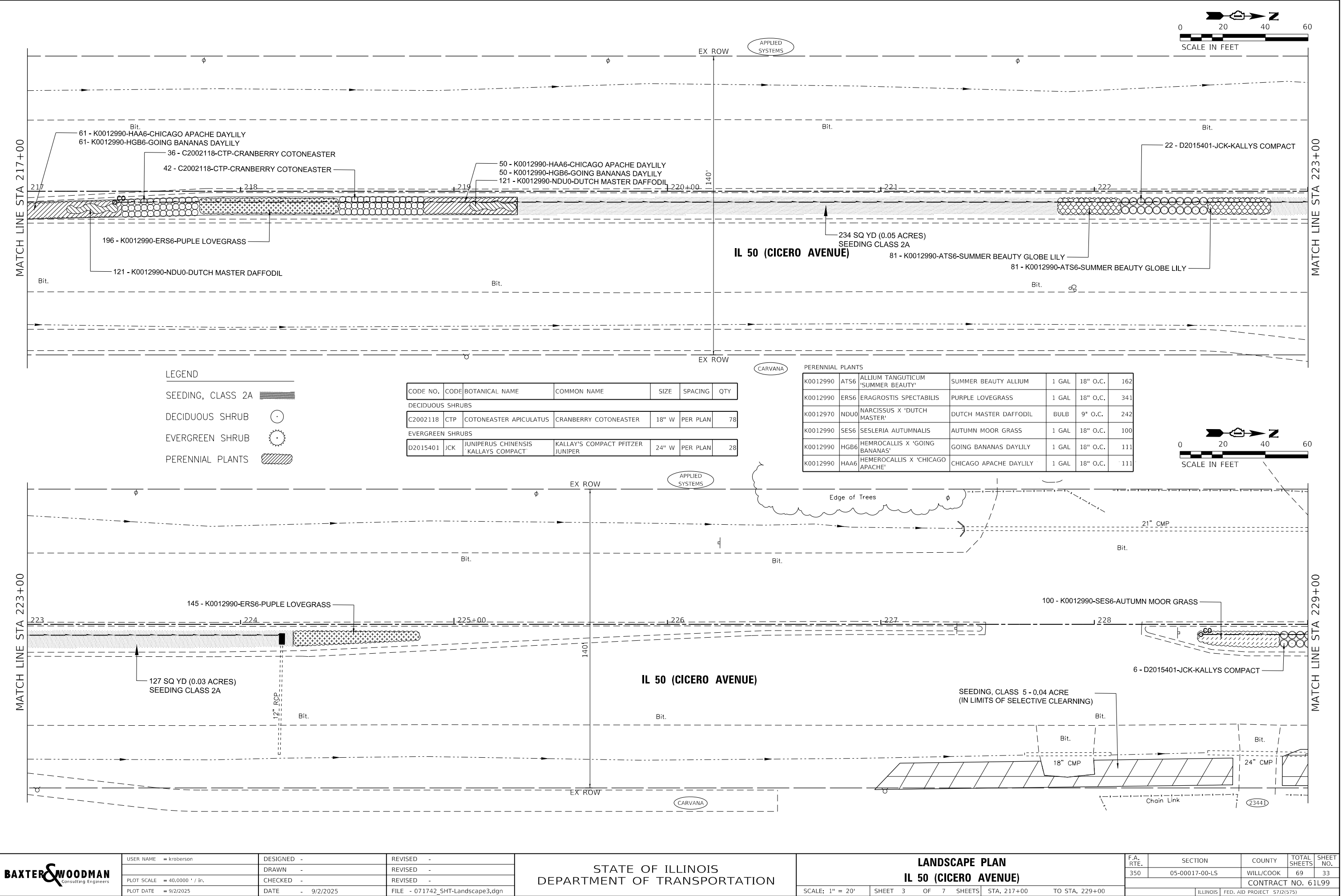
LANDSCAPE PLAN			
IL 50 (CICERO AVENUE)			
SCALE: 1" = 20'	SHEET 1	OF 7 SHEETS	STA. 193+00 TO STA. 205+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	31
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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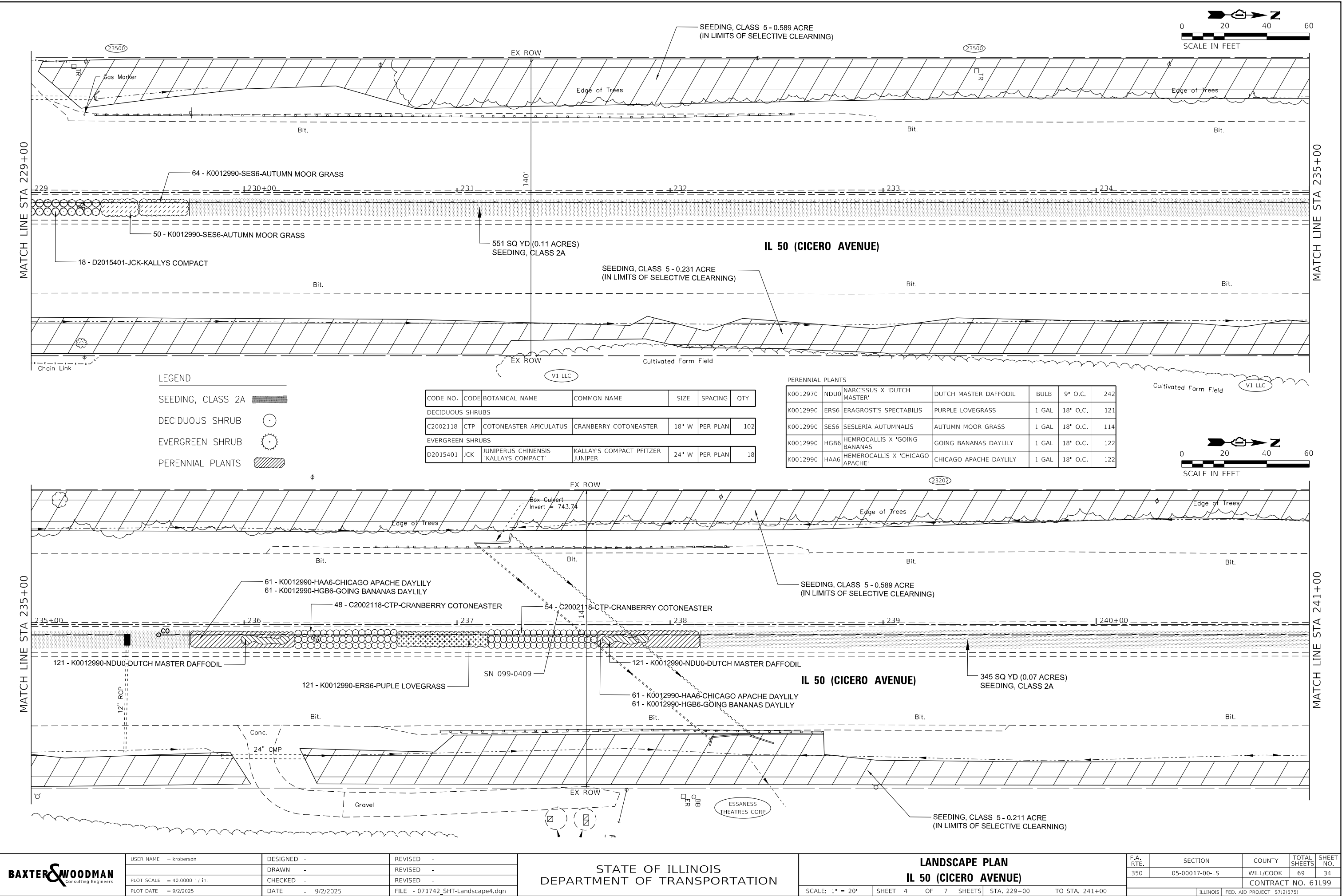
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN			
IL 50 (CICERO AVENUE)			
SCALE: 1" = 20'	SHEET 3	OF 7 SHEETS	STA. 217+00 TO STA. 229+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	33
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

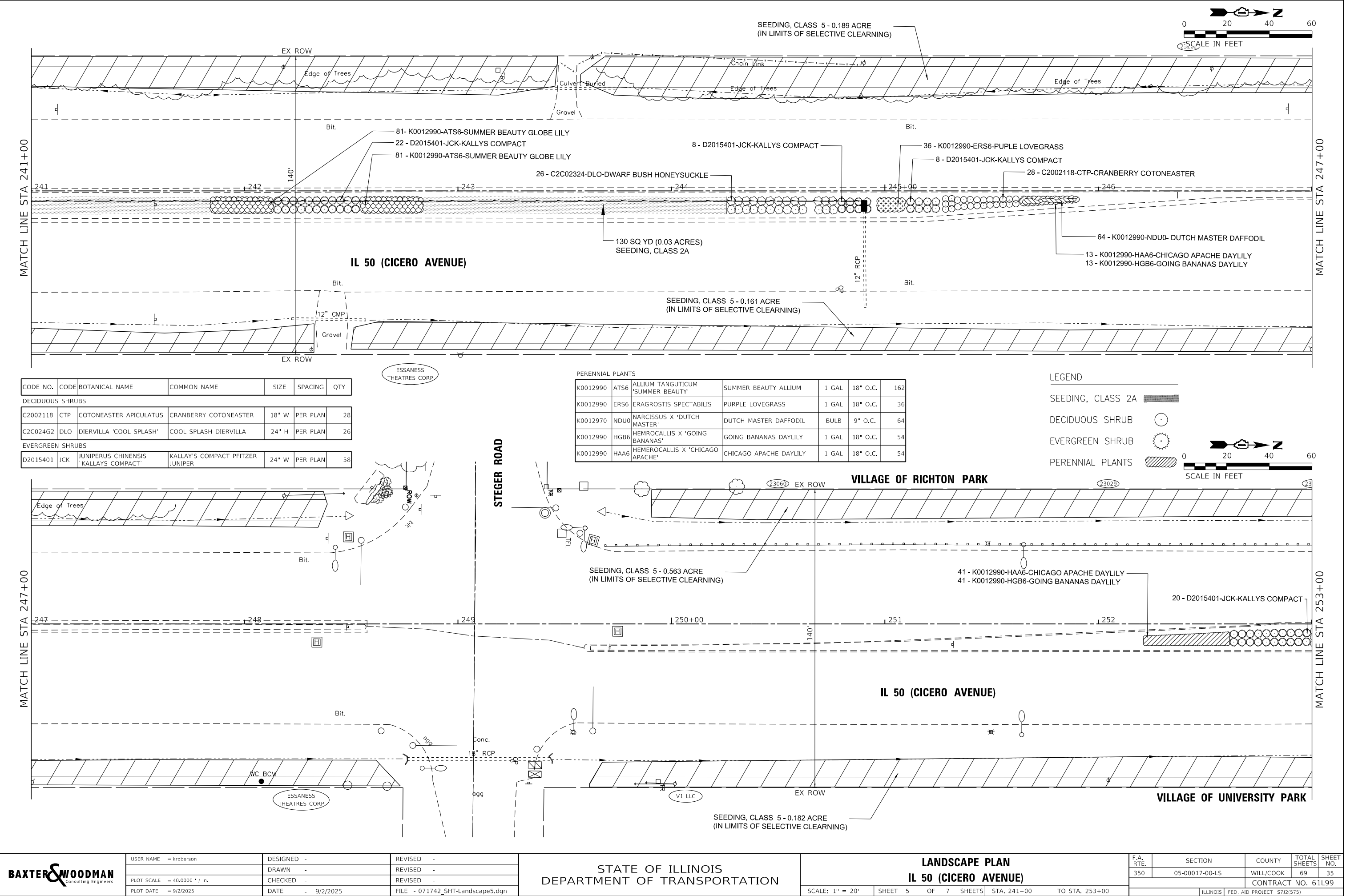
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LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
KROBERSON
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PLOT DATE = 9/2/2025
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BAXTER & WOODMAN
Consulting Engineers

USER NAME = kroberson	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-Landscape5.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN IL 50 (CICERO AVENUE)			
SCALE: 1" = 20'	SHEET 5	OF 7 SHEETS	STA. 241+00 TO STA. 253+00

F.A. RTE. 350	SECTION 05-00017-00-L5	COUNTY WILL/COOK	TOTAL SHEETS 69	SHEET NO. 35
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

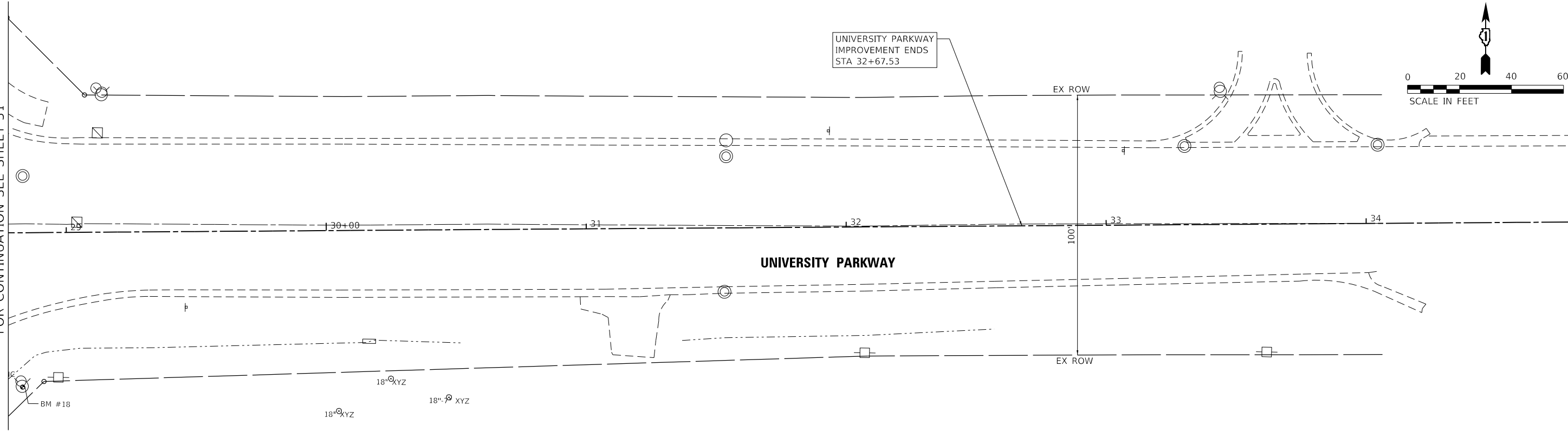
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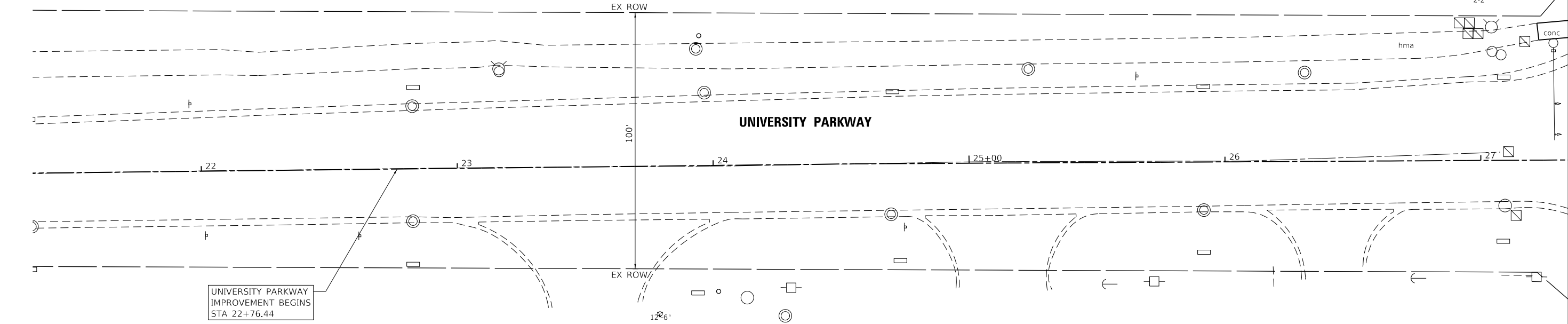
IL 50 (CICERO AVENUE)
FOR CONTINUATION SEE SHEET 31



NO LANDSCAPE
THIS SHEET

UNIVERSITY PARKWAY
IMPROVEMENT BEGINS
STA 22+76.44

UNIVERSITY PARKWAY
IMPROVEMENT ENDS
STA 32+67.53



FOR CONTINUATION SEE SHEET 31
IL 50 (CICERO AVENUE)



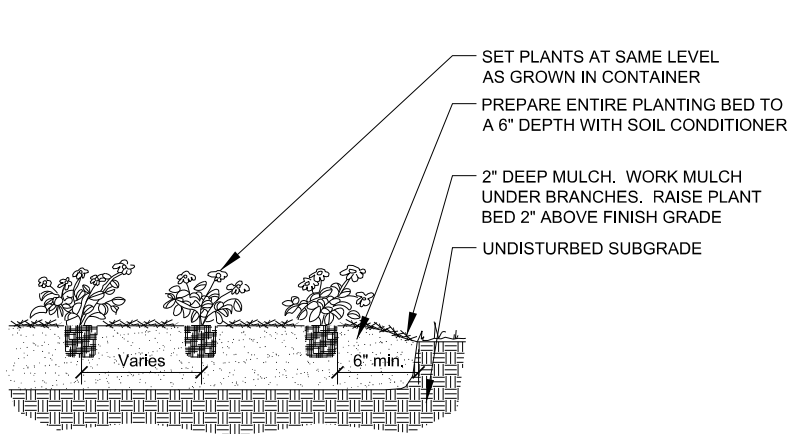
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DRAWN -	REVIS	REVIS
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PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-Landscape7.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN UNIVERSITY PARKWAY			
SCALE: 1" = 20'	SHEET 7	OF 7 SHEETS	STA. TO STA.

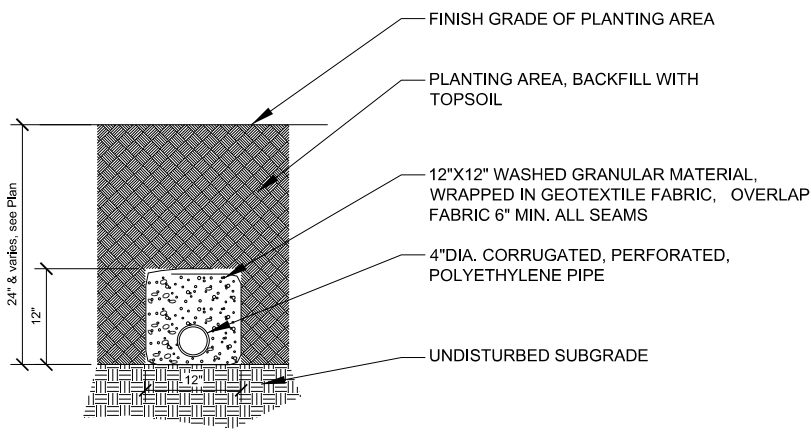
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CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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PERENNIAL PLANTING

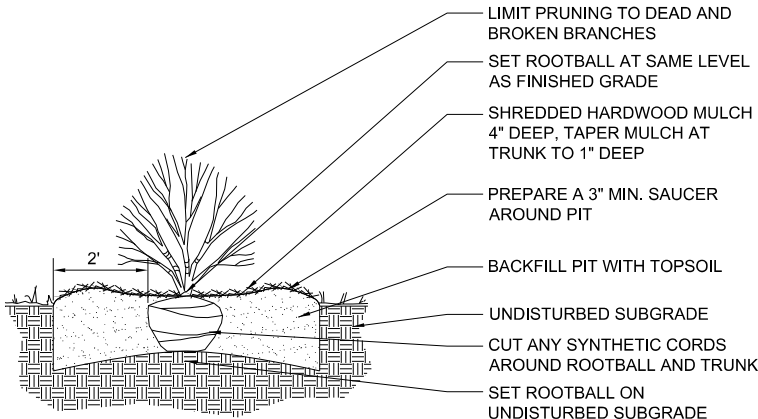
SCALE: 1/2" = 1'-0"



UNDERDRAIN

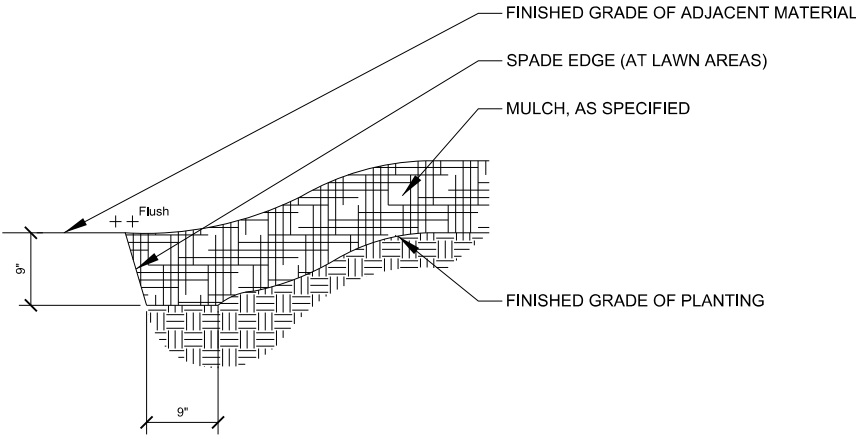
SCALE: 1" = 1'-0"

PAID FOR AS PIPE UNDERDRAINS,
TYPE 1, 4"



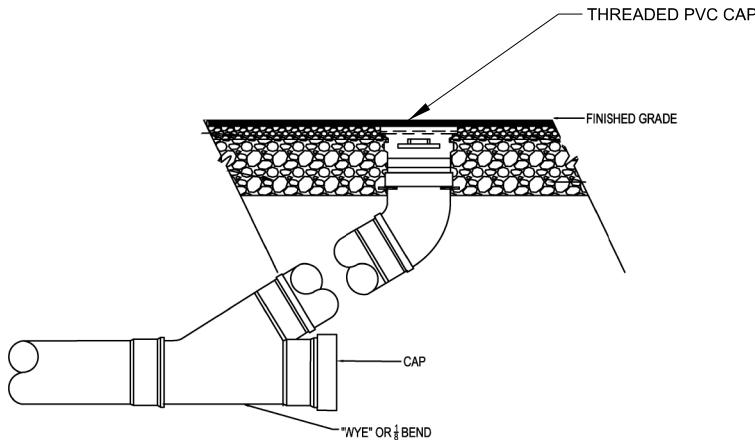
SHRUB PLANTING

SCALE: 1/2" = 1'-0"



PLANTING BED/ MULCH RING EDGING

SCALE: 3" = 1'-0"



CLEANOUT

NOT TO SCALE

CALENDAR OF CONSTRUCTION AND ESTABLISHMENT WORK

DATES	LANDSCAPE ITEMS	SP
NOVEMBER 1 - MARCH 31	SELECTIVE CLEARING	*
APRIL 15 - OCTOBER 1	WEED CONTROL, NATIVE LANDSCAPE REMEDIATION	*
Seeding shall be performed when the ambient temperature has been between 45 °F (7°C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.	SEEDING, CLASS 2A	
Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7°C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27°C) according to the National Weather Service	SEEDING, CLASS 5	
MARCH 15 - MAY 31 OCTOBER 1 - NOVEMBER 30	SHRUBS: CRANBERRY COTONEASTER AND COOL SPLASH DIERVILLA	
MARCH 15 - APRIL 30 AUGUST 15 - OCTOBER 15	KALLAY COMPACT JUNIPER	
OCTOBER 15 - NOVEMBER 30	PERENNIAL PLANTS, BULB TYPE	
MAY 1 - JUNE 15 AUGUST 15 - MAY 15	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	

PLANT MATERIALS LIST

CODE NO.	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
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DECIDUOUS SHRUBS

C2002118	CTP	COTONEASTER APICULATUS	CRANBERRY COTONEASTER	18" W	PER PLAN	260
C2C024G2	DLO	DIERVILLA 'COOL SPLASH'	COOL SPLASH DIERVILLA	24" H	PER PLAN	48

EVERGREEN SHRUBS

D2015401	ICK	JUNIPERUS CHINENSIS 'KALLAYS COMPACT'	KALLAY'S COMPACT PFITZER JUNIPER	24" W	PER PLAN	158
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PERENNIAL PLANTS

K0012990	ATS6	ALLIUM TANGUTICUM 'SUMMER BEAUTY'	SUMMER BEAUTY ALLIUM	1 GAL	18" O.C.	469
K0012990	ERS6	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL	18" O.C.	909
K0012990	HAA6	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	18" O.C.	312
K0012990	HGB6	HEMROCALLIS X 'GOING BANANAS'	GOING BANANAS DAYLILY	1 GAL	18" O.C.	312
K0012970	NDU0	NARCISSUS X 'DUTCH MASTER'	DUTCH MASTER DAFFODIL	BULB	9" O.C.	648
K0012990	SE56	SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL	18" O.C.	476

TOTAL PERENNIAL PLANTS, BULB TYPE	648 (7 UNITS)
TOTAL PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	2,478 (25 UNITS)

NOTES

- ALL PERENNIALS EXCEPT DUTCH MASTER DAFFODILS TO BE PAID AS PERENNIAL PLANST, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS). DUTCH MASTER DAFFODILS WILL BE PAID AS PERENNIAL PLANTS, BULB TYPE.
- PROVIDE 24" MINIMUM DEPTH TOPSOIL IN ALL MEDIAN PLANTING AREAS. AMEND TOPSOIL WITH SOIL CONDITIONER IN ALL SHRUB AND PERENNIAL AREAS AS DESCRIBED IN THE SPECIAL PROVISIONS.

BAXTER & WOODMAN
Consulting Engineers

USER NAME = kroberson	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-MiscDetails.dgn

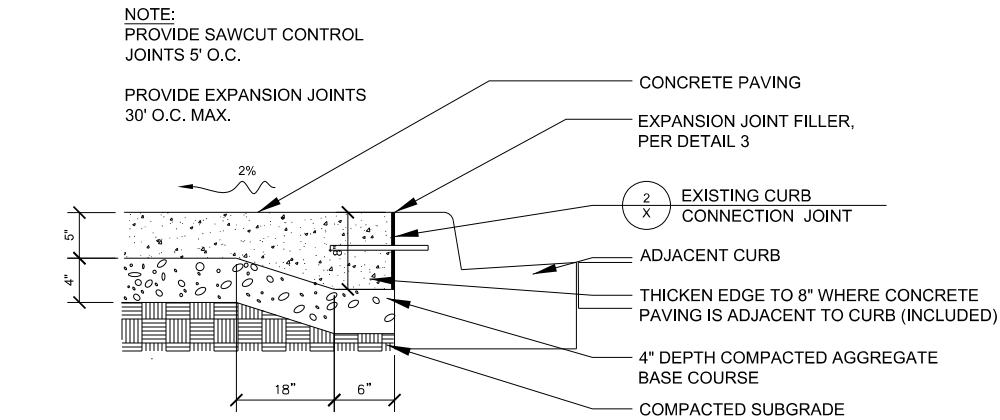
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	38
CONTRACT NO. 61199				
ILLINOIS FED. AID PROJECT 5712(575)				

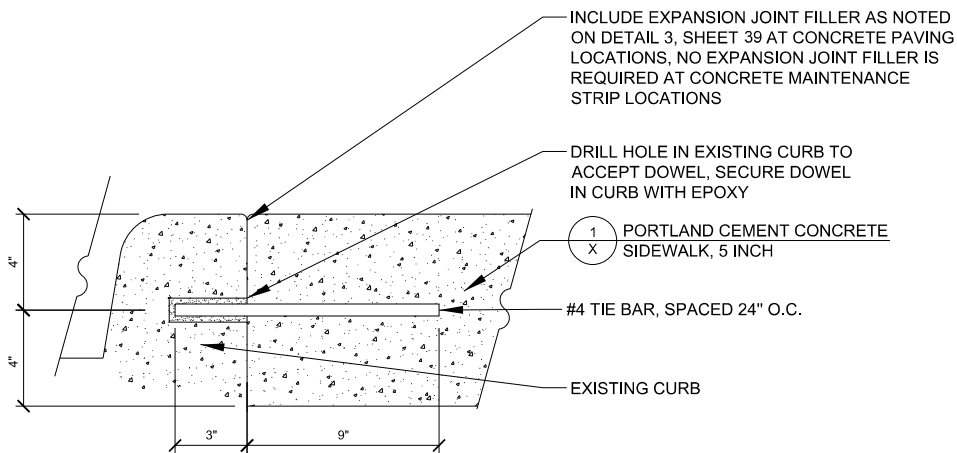
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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PORTLAND CEMENT CONCRETE

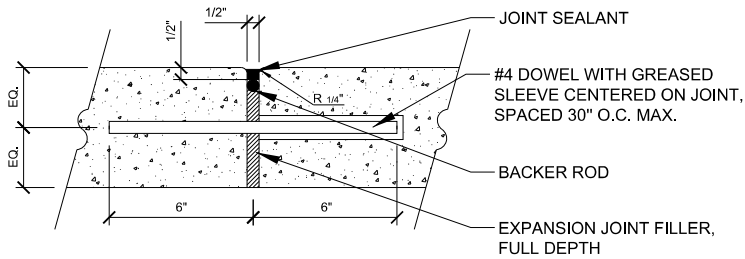
1 SIDEWALK, 5 INCH

SCALE: 1 1/2" = 1'-0"



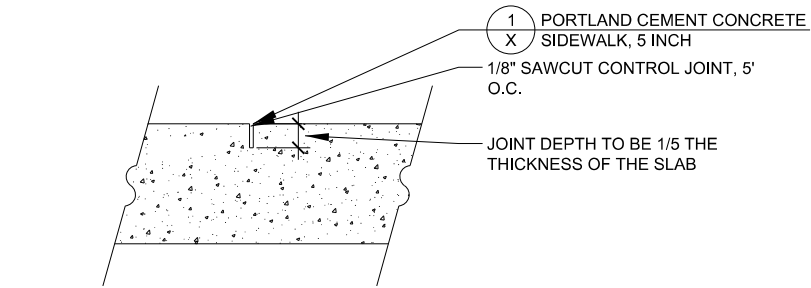
2 EXISTING CURB CONNECTION JOINT

SCALE: 3" = 1'-0"



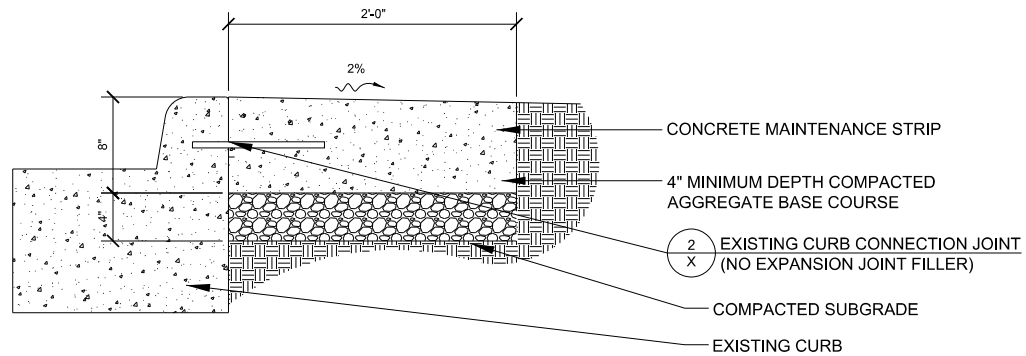
3 EXPANSION JOINT

SCALE: 3" = 1'-0"



4 CONTROL JOINT

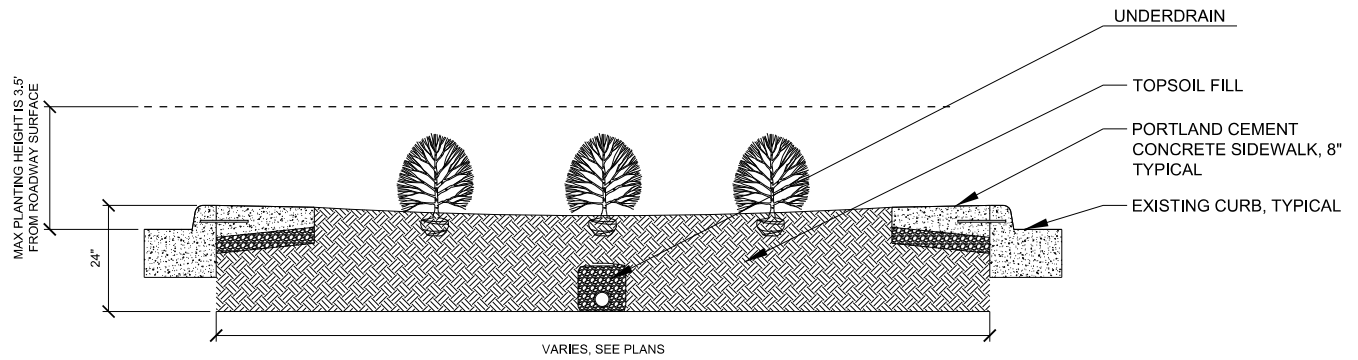
SCALE: 3" = 1'-0"



PORTLAND CEMENT CONCRETE

5 SIDEWALK, 8 INCH

SCALE: 1 1/2" = 1'-0"



6 MEDIAN PROFILE A

SCALE: 1/2" = 1'-0"

BAXTER & WOODMAN
Consulting Engineers

USER NAME = kroberson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-MiscDetails.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	39
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

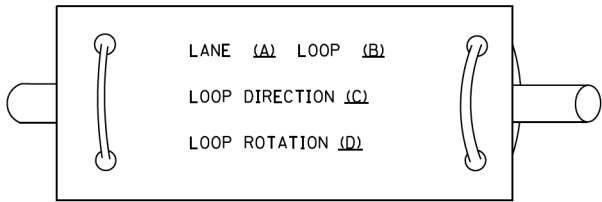
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		DRAWN - IP	REVISED -			350	05-00017-00-LS	WILL/COOK	69	40
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	PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -			ILLINOIS FED. AID PROJECT 5712(575)				
SCALE: NONE		SHEET 1 OF 7 SHEETS		STA.	TO STA.					

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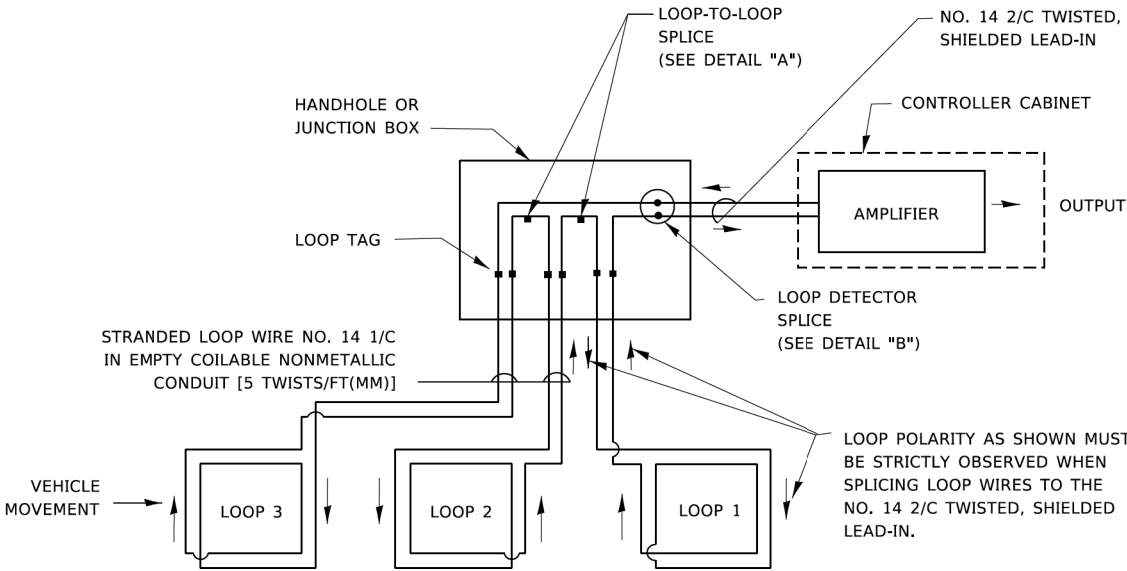
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

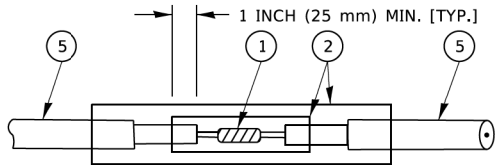


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

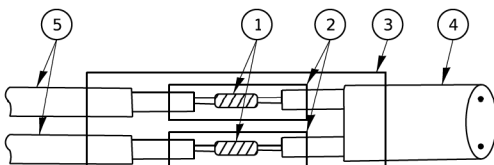


DETECTOR LOOP WIRING SCHEMATIC

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

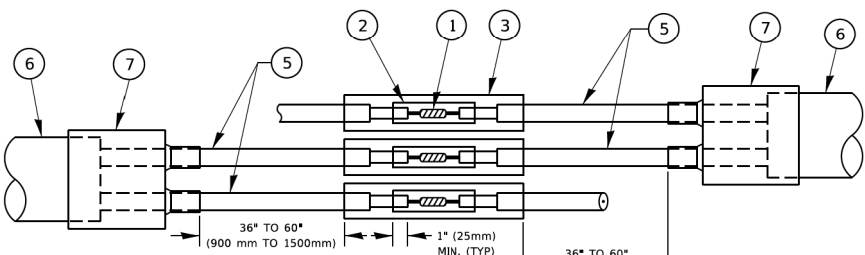


DETAIL "A"
LOOP-TO-LOOP SPLICE

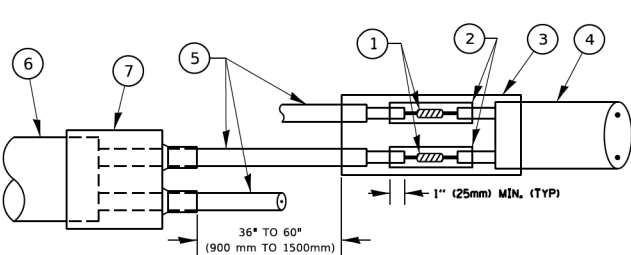


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

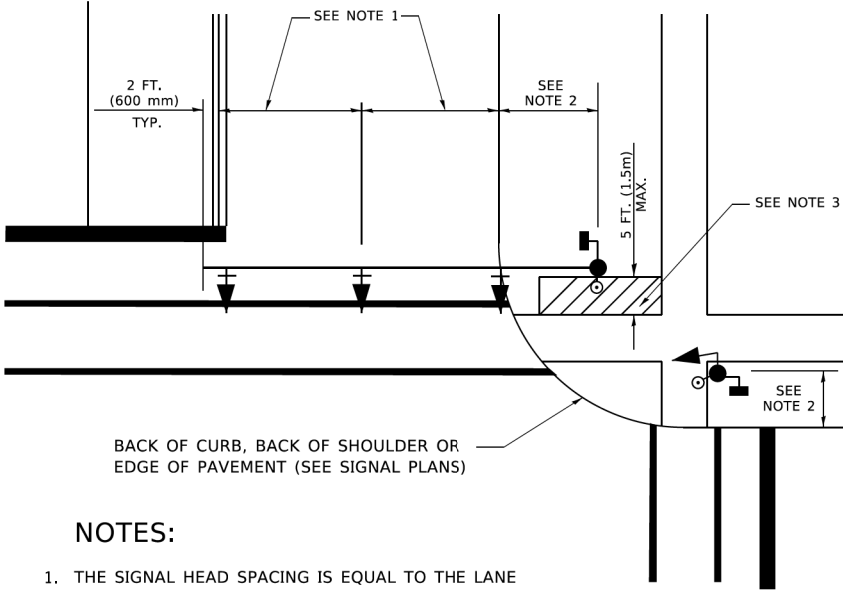
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PROJECT: 05-00017-00-LS FILE NAME: DWG	USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						350	05-00017-00-LS	WILL/COOK	69	41	
	PLOT SCALE = 50.0000 ' / ft.	CHECKED -	REVISED -		TS-05				CONTRACT NO. 61L99					
	PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE		SHEET 2	OF 7	SHEETS	STA.	TO STA.			
							ILLINOIS FED. AID PROJECT 5712(575)							

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TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

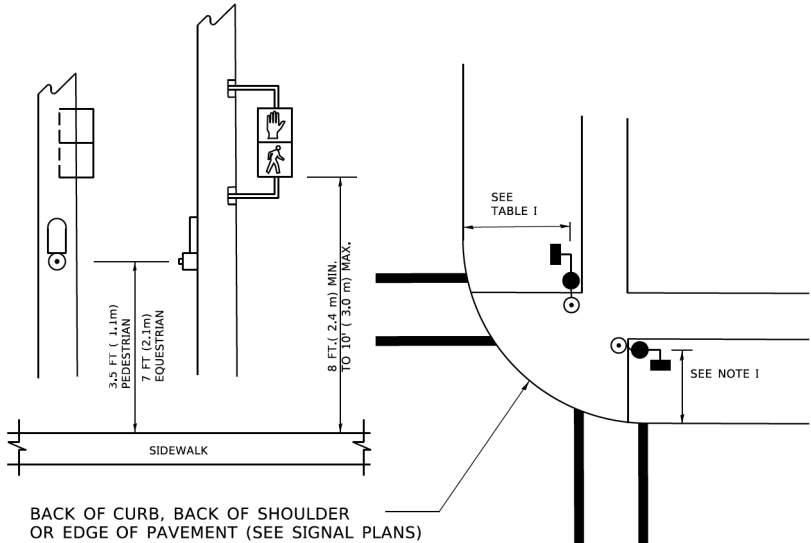
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

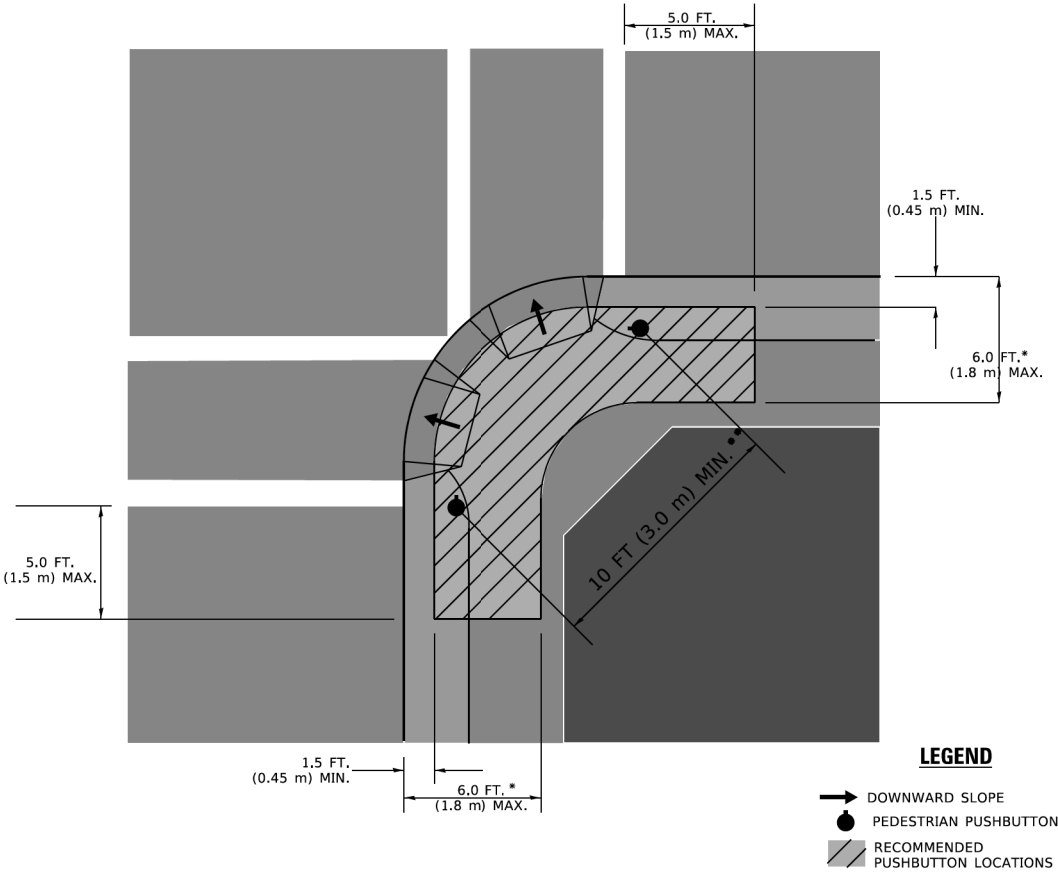
PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

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

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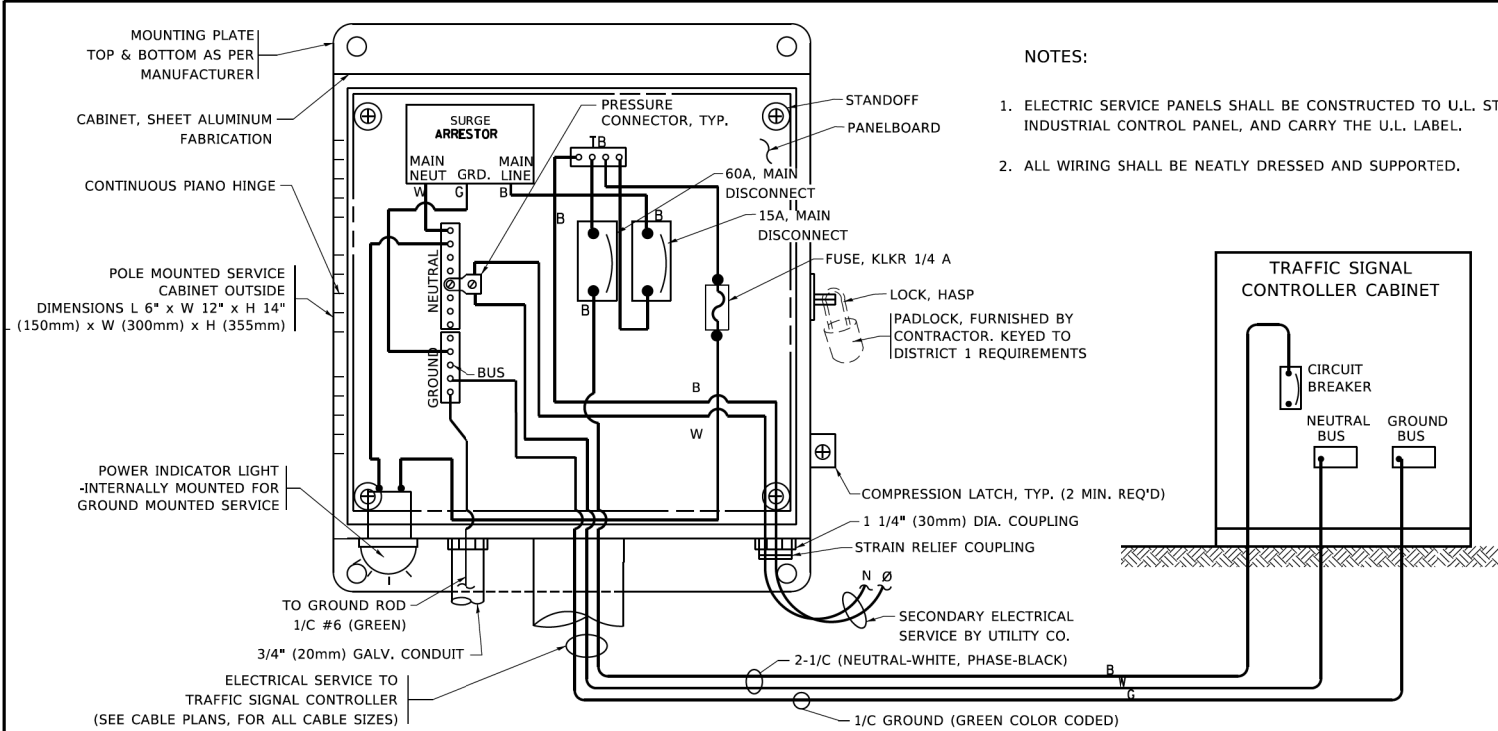
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

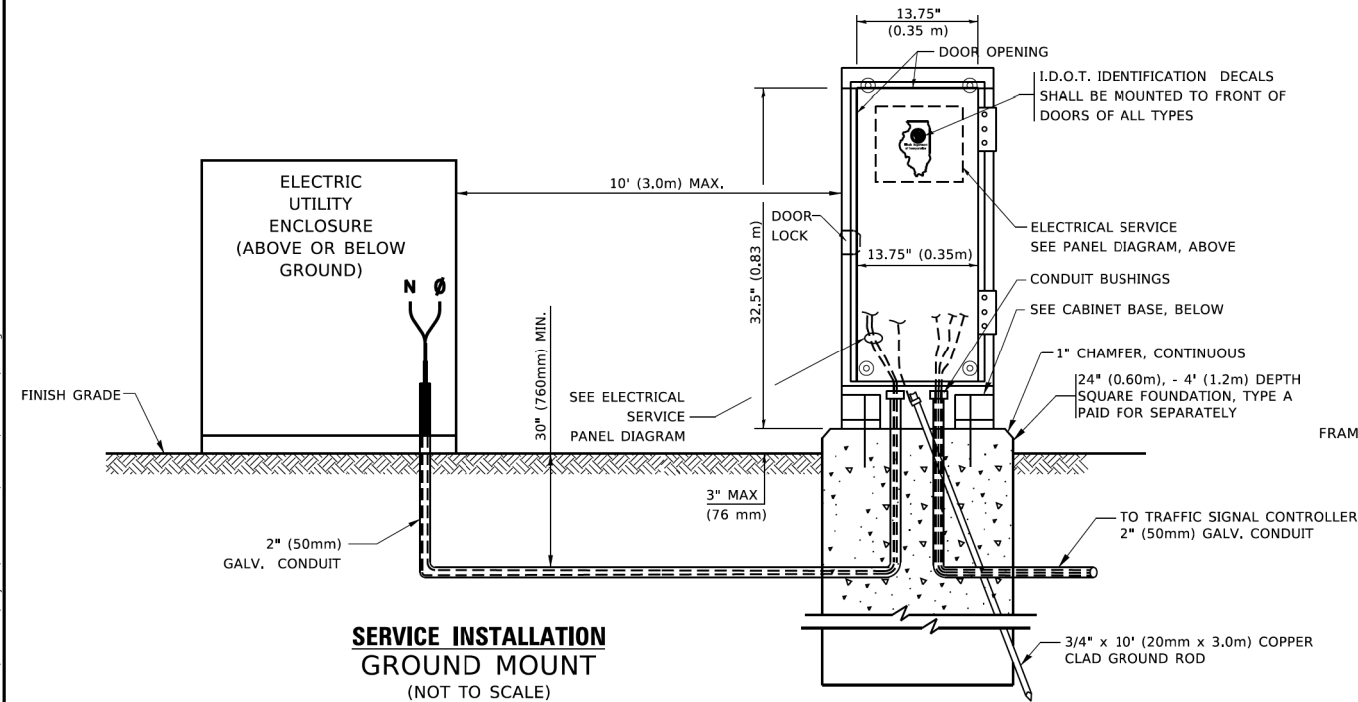
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-LS	WILL/COOK	69	42
TS-05		CONTRACT NO. 61L99		
ILLINOIS		FED. AID PROJECT 57J2(575)		

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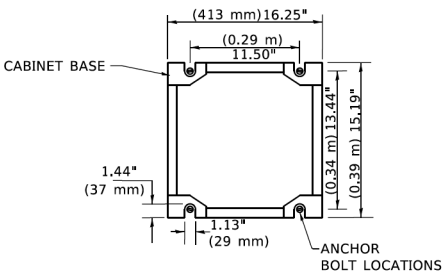


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)



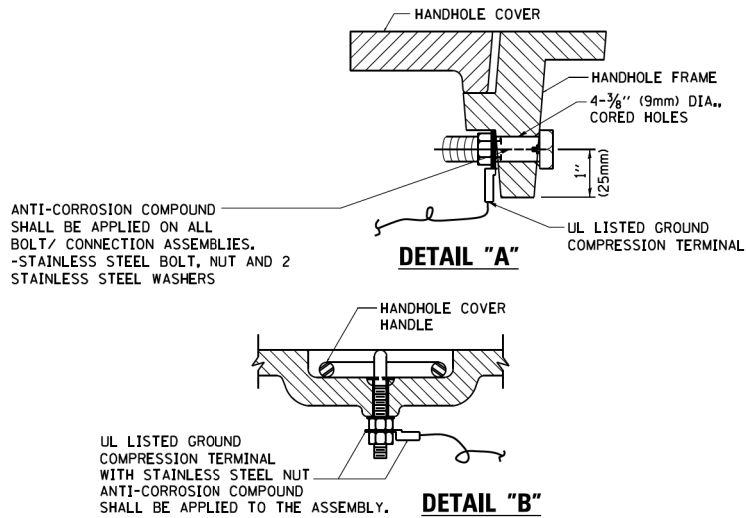
SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)

CABINET - BASE BOLT PATTERN
(NOT TO SCALE)

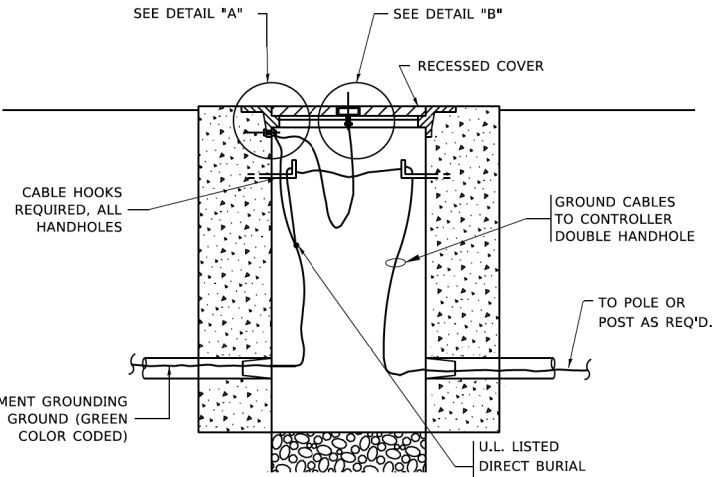


NOTES:

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



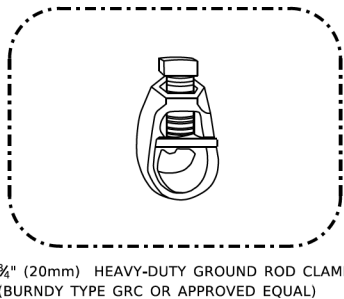
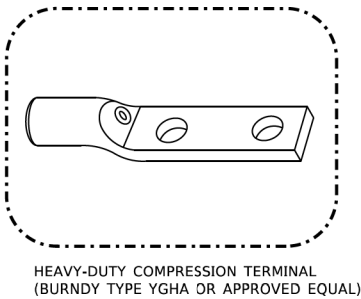
HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)



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

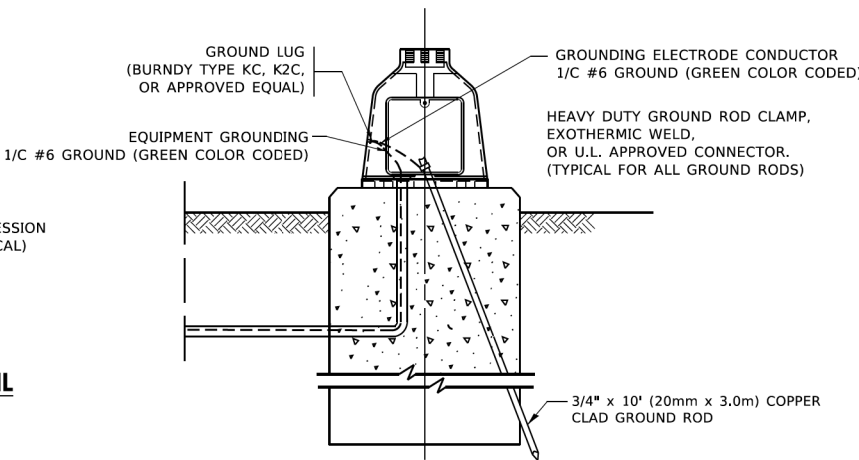
NOTES:
GROUNDING SYSTEM

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



NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE 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.



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

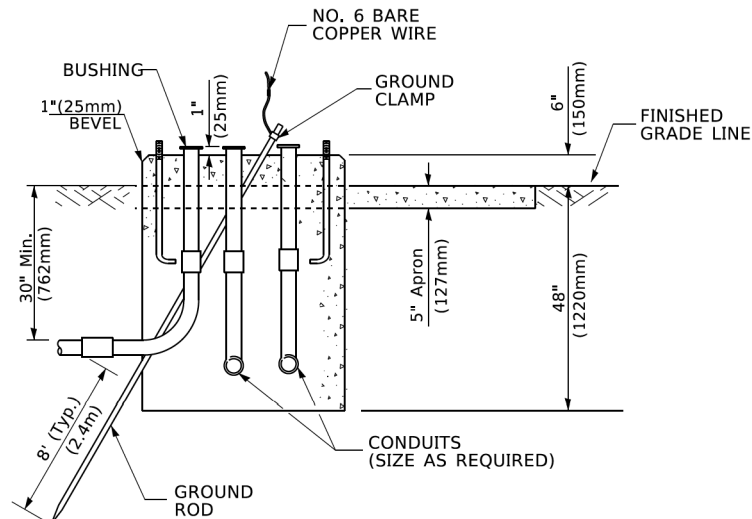
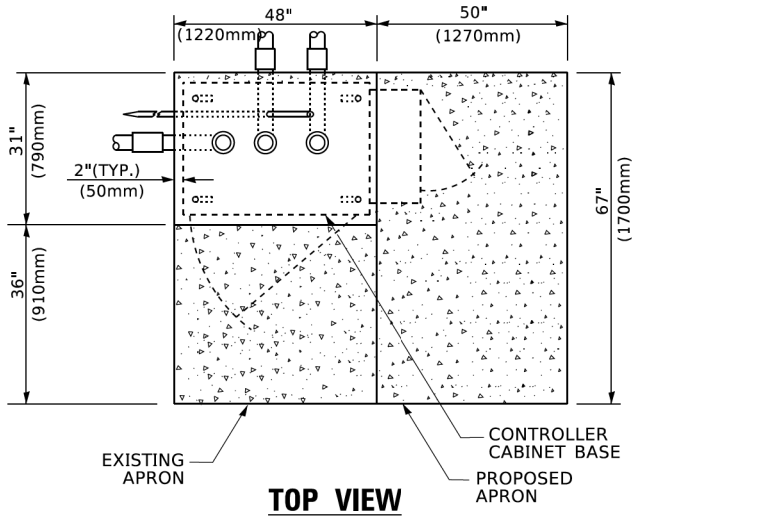
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

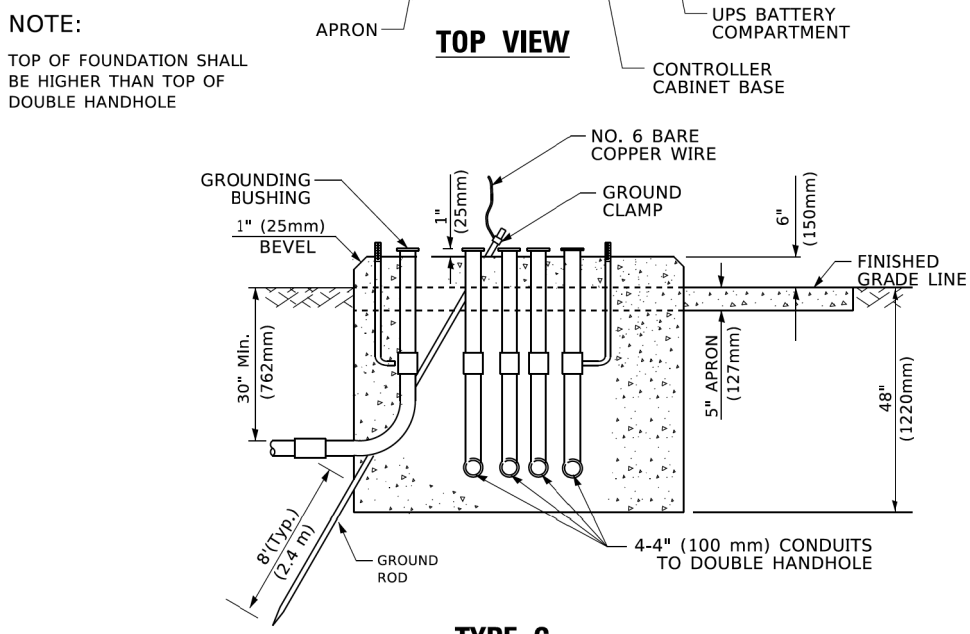
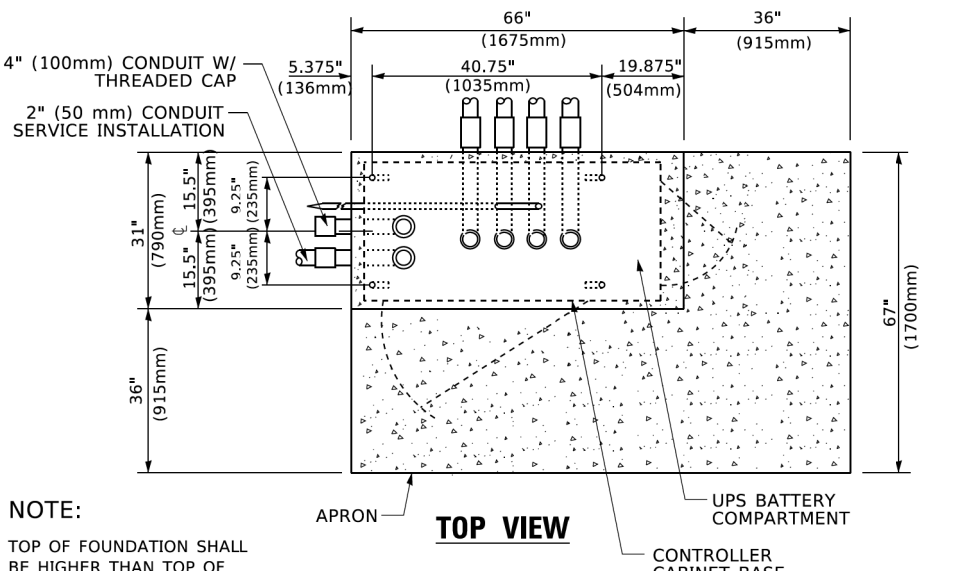
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61L99		
ILLINOIS		FED. AID PROJECT 5712(575)		

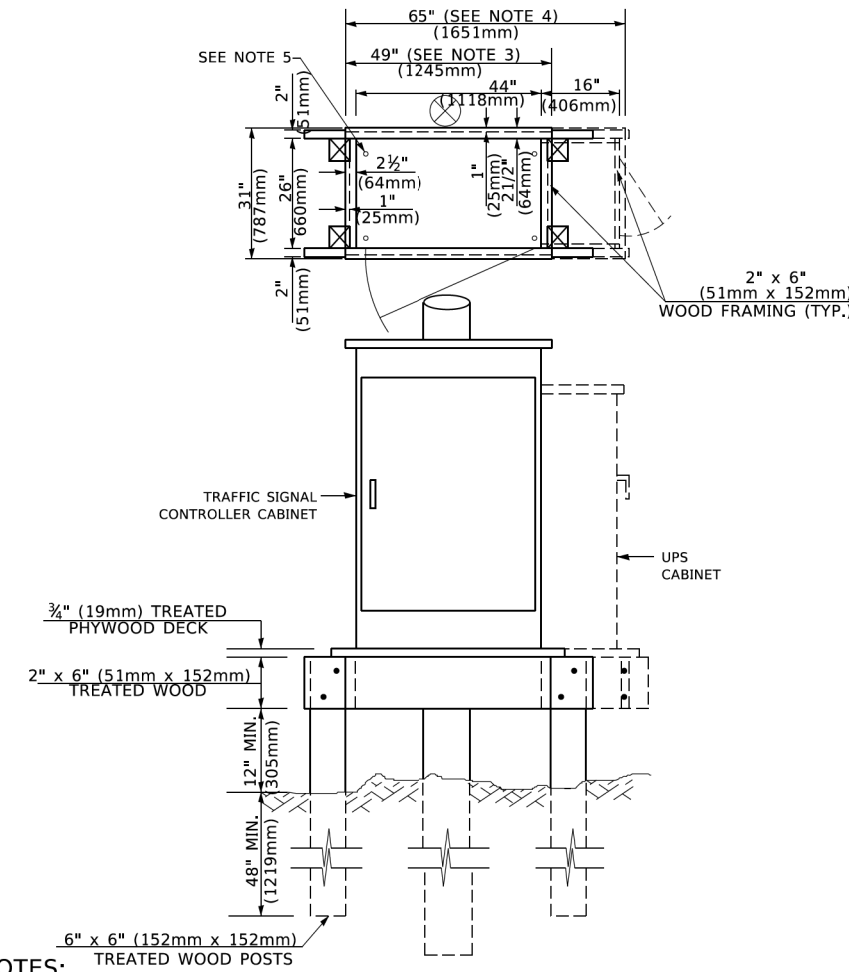
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TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



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)

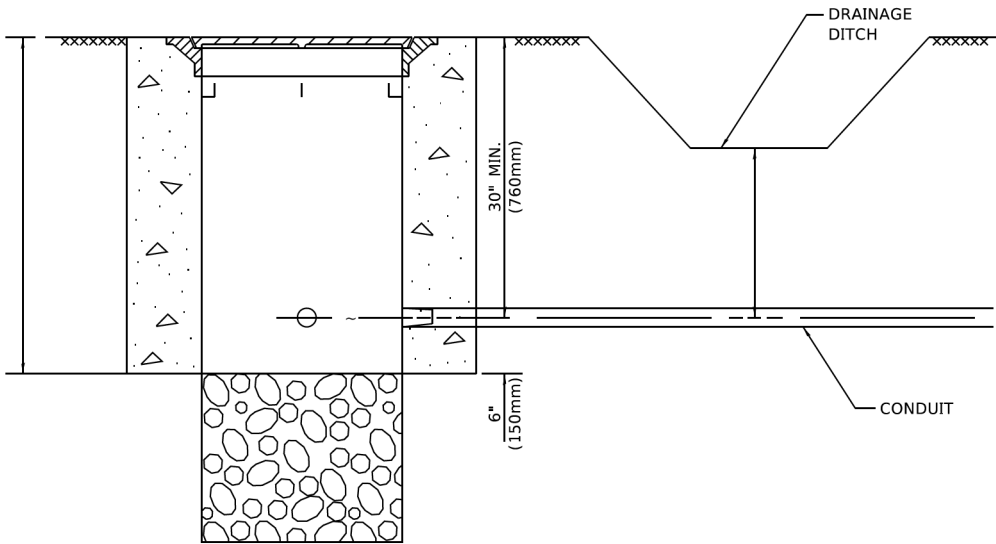
DEPTH OF FOUNDATION

Most 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.	
		DRAWN -	REVISED -						350	05-00017-00-LS	WILL/COOK	69	44	
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	PLOT DATE = 3/4/2019	DATE -	REVISED -											
ILLINOIS FED. AID PROJECT 5712(575)														

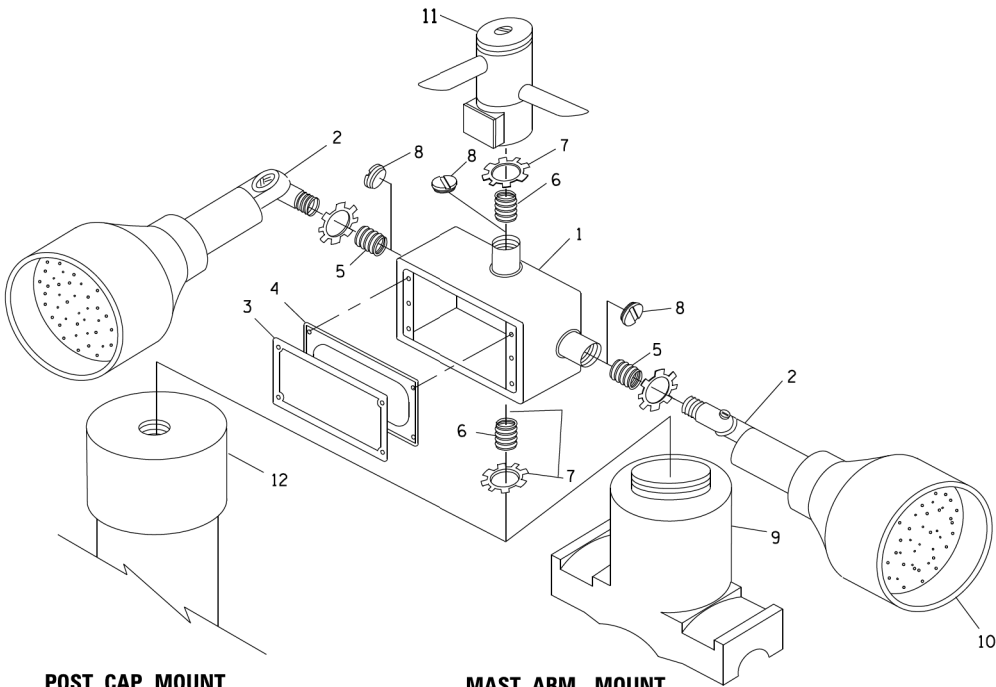


NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH

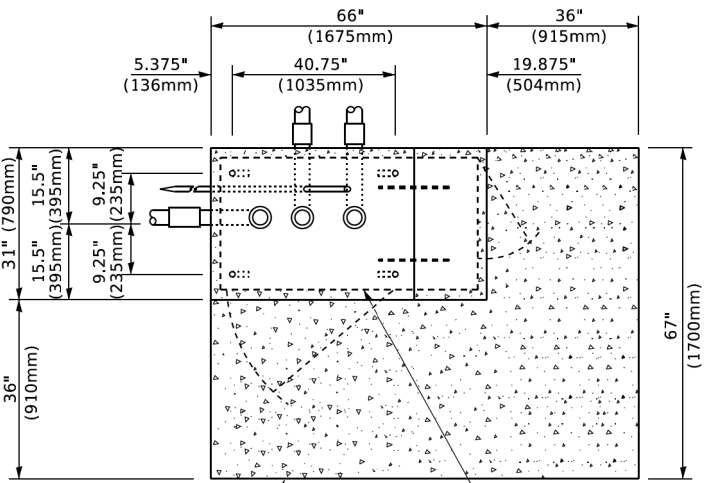
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POST CAP MOUNT

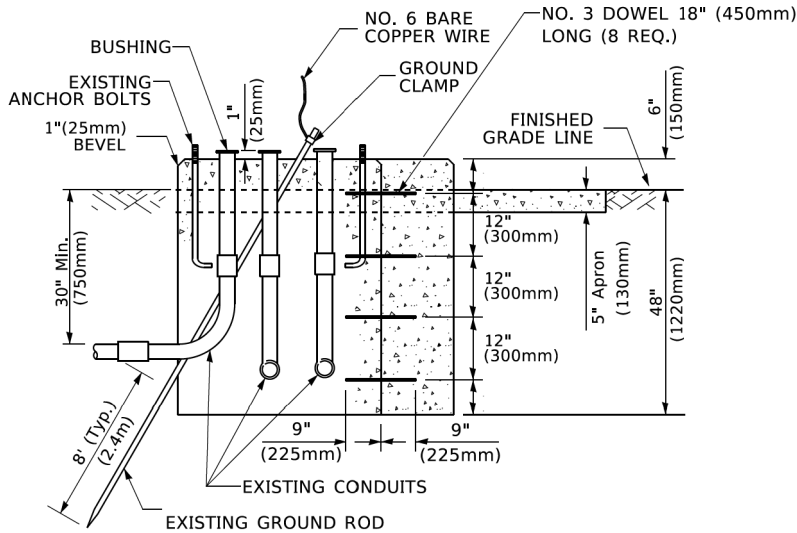
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW

(NOT TO SCALE)



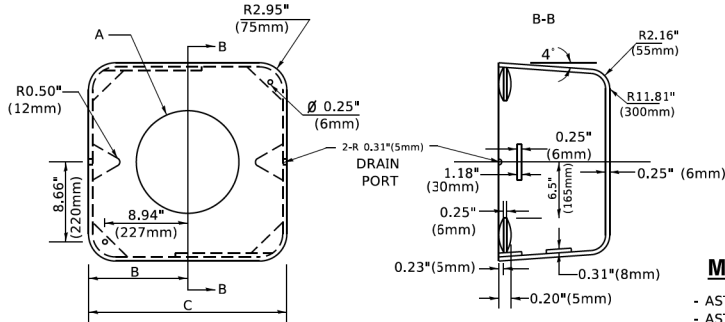
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)

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

NOTES:

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



MATERIAL

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

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

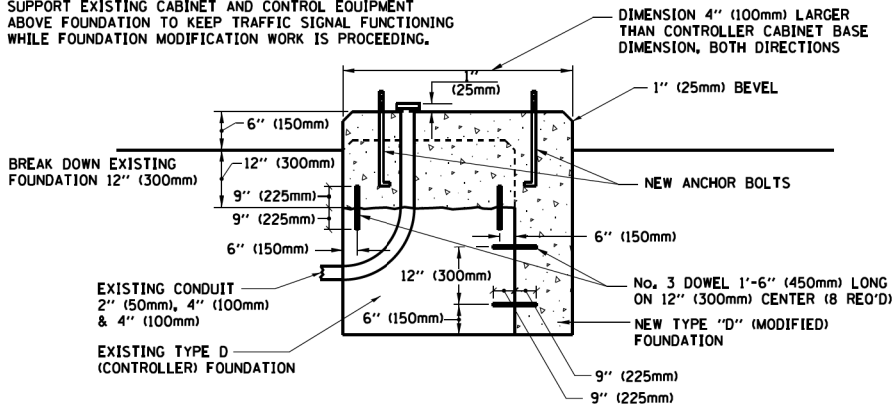
SHROUD

NOTES:

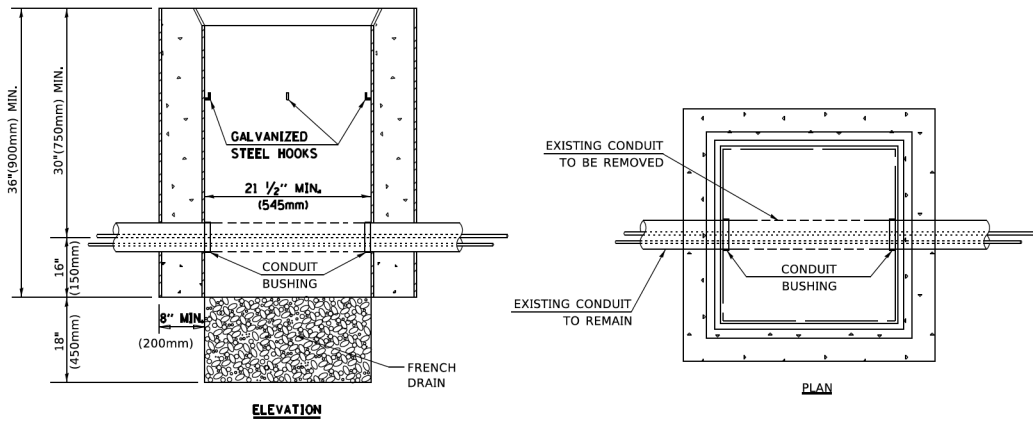
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

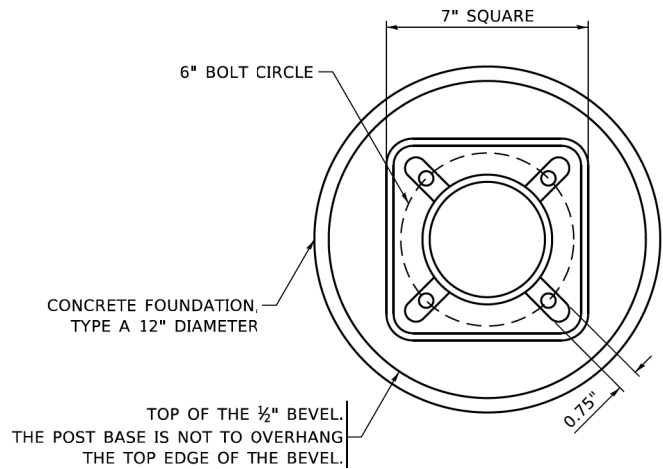
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

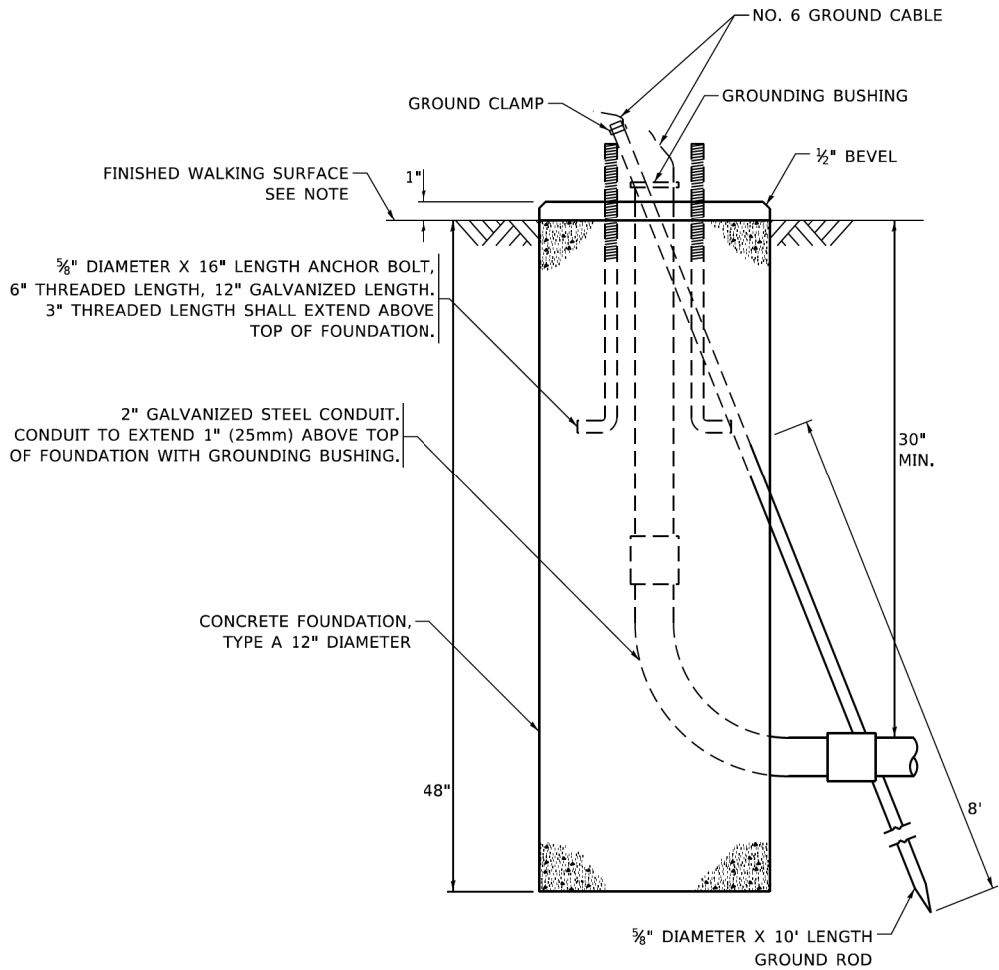
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350	05-00017-00-LS	WILL/COOK	69	45
TS-05		CONTRACT NO. 61L99		
ILLINOIS		FED. AID PROJECT 5712(575)		



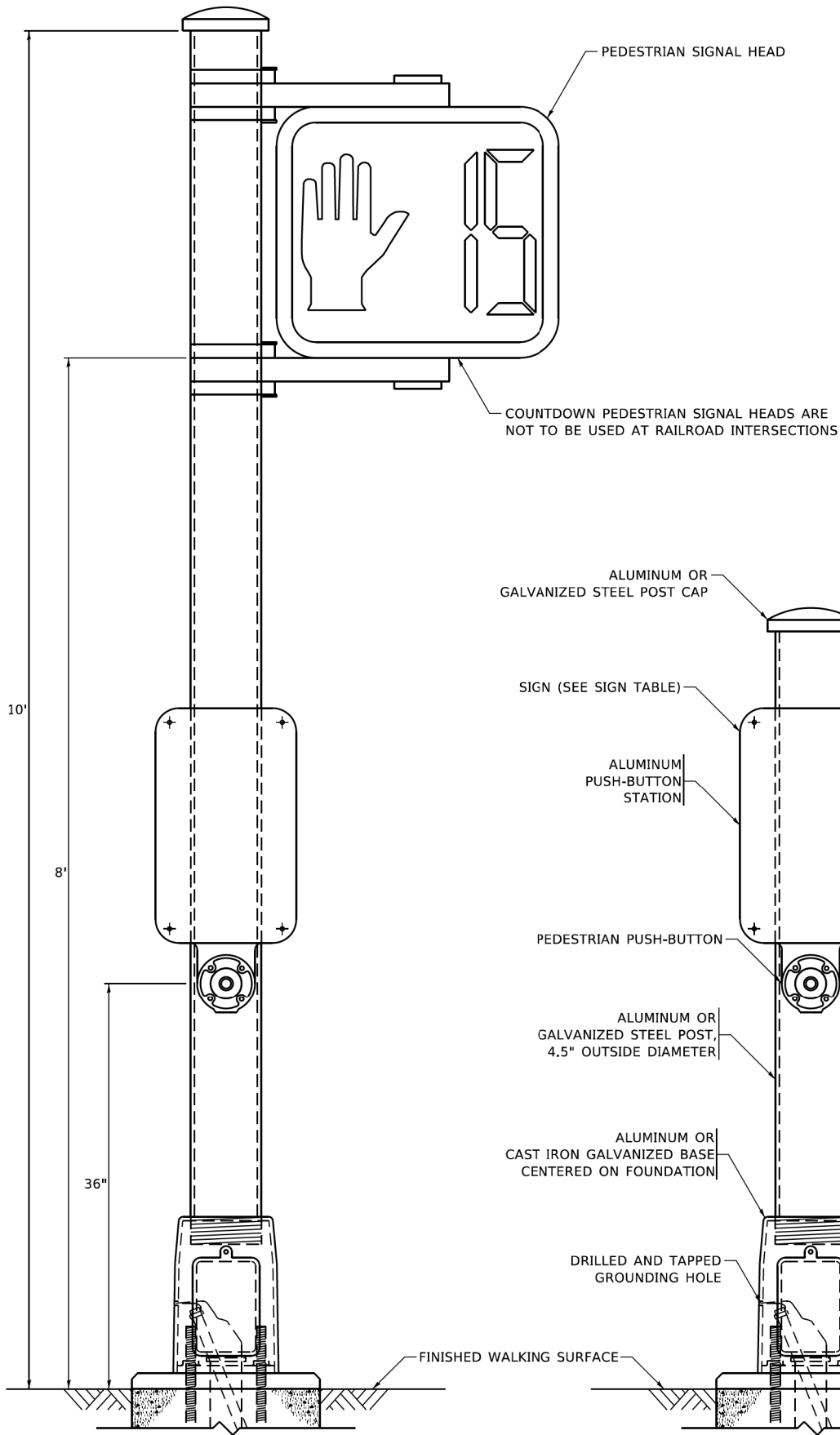
BOLT PATTERN

NOTE:

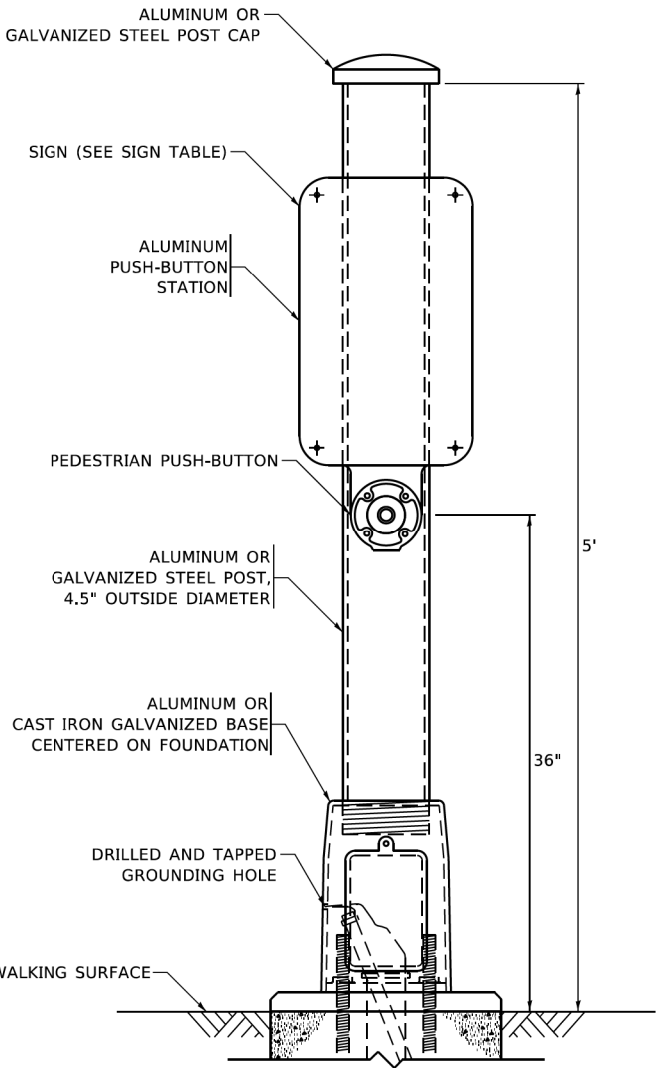
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



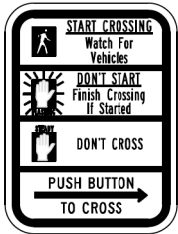
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.



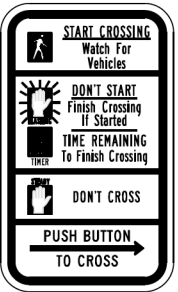
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

NOTES:

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

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	DRAWN - IP	REVISED -
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PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-LS	WILL/COOK	69	46
TS-05		CONTRACT NO. 61L99		
ILLINOIS		FED. AID PROJECT 57J2(575)		

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TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	8	11	88
4 - SECTION	-	14	-
5 - SECTION	10	13	130
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	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			453
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			1,058
DESIGNED - JDM		REVISED -	
DRAWN - MVV		REVISED -	
CHECKED - TMS		REVISED -	
DATE - 9/2/2025		FILE - 071742_SHT-TS2.dgn	

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: NEW BUSINESS DEPT.
PHONE: 886-639-3532
COMPANY: ComED
ACCOUNT NUMBER:
METER NUMBER:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	40
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	120
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	397
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	50
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	435
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
LED SIGNAL FACE, LENS COVER	EACH	3

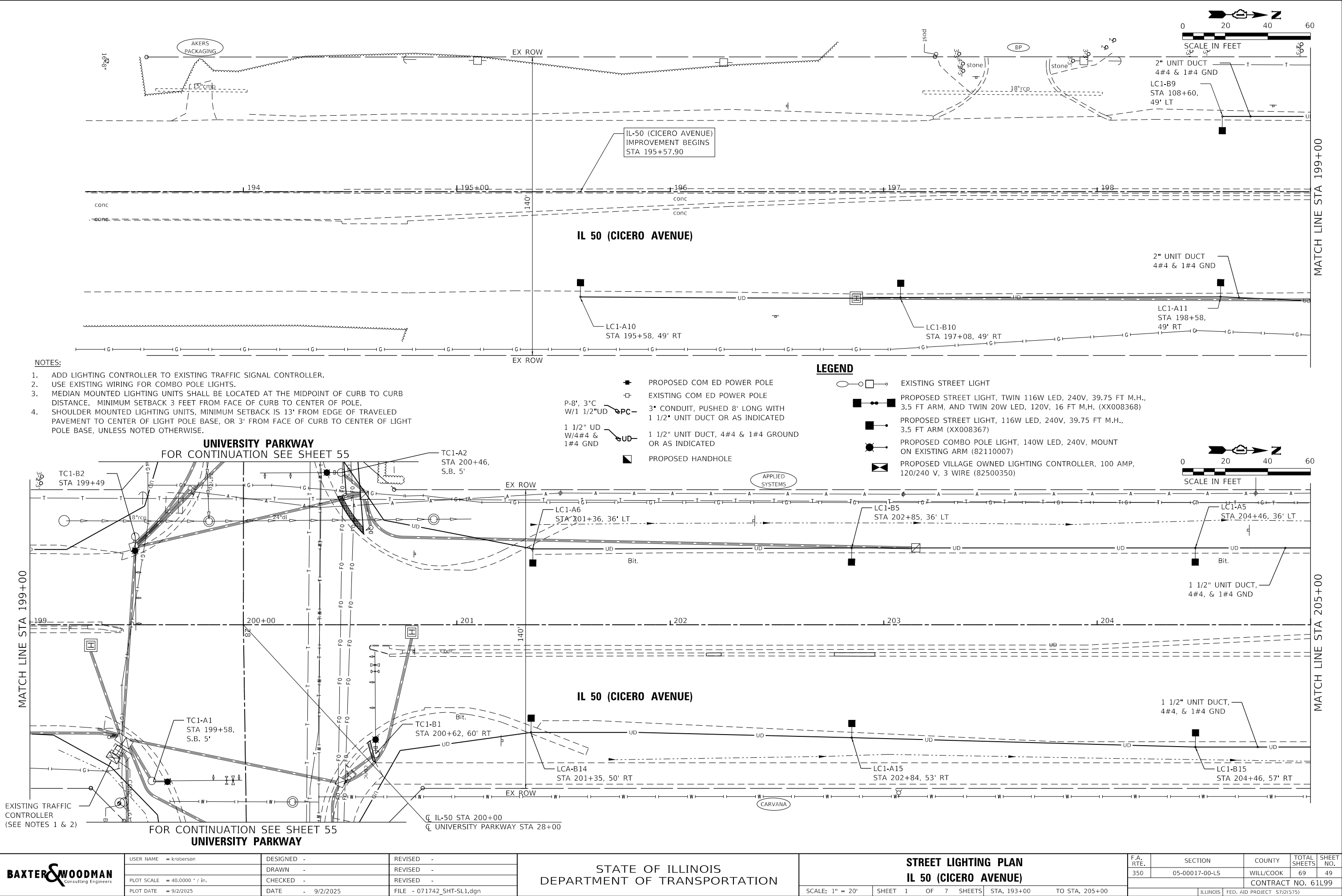
CABLE PLAN, PHASE DESIGNATION, SCHEDULE OF
QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 50 (CICERO AVE) AND UNIVERSITY PARKWAY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-LS	WILL/COOK	69	48
				CONTRACT NO. 61L99
ILLINOIS FED. AID PROJECT 5712(575)				

TS 7548

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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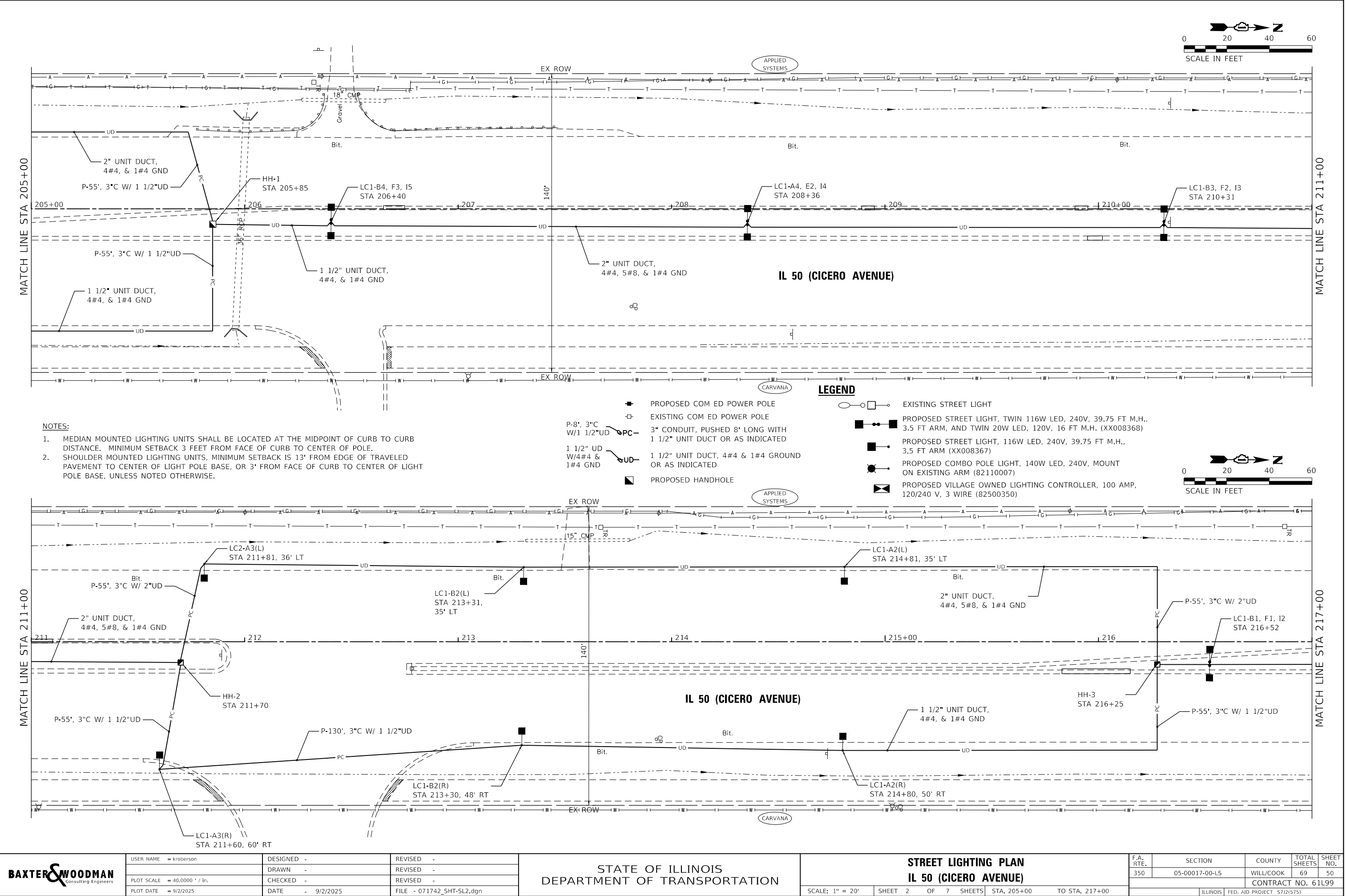


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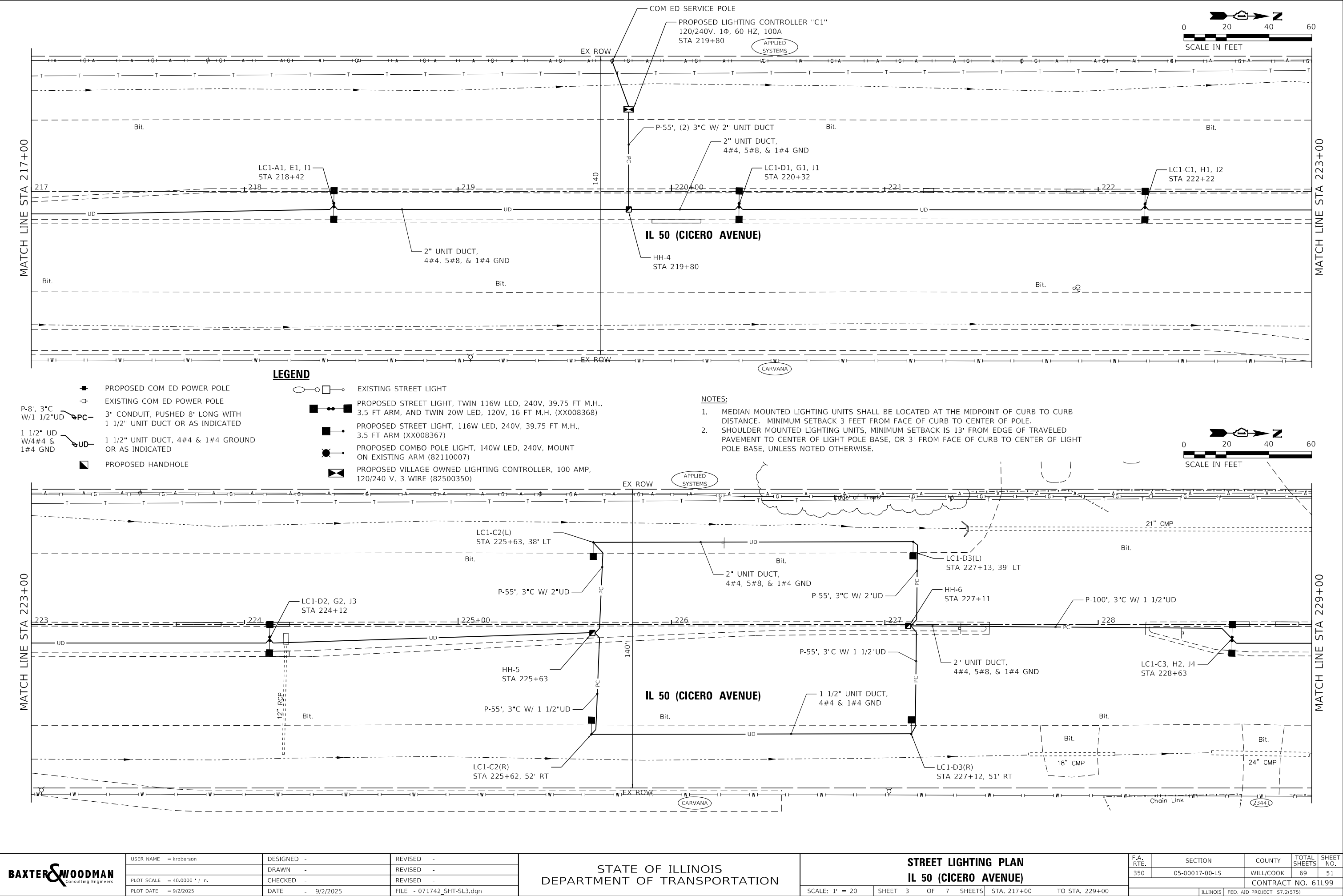
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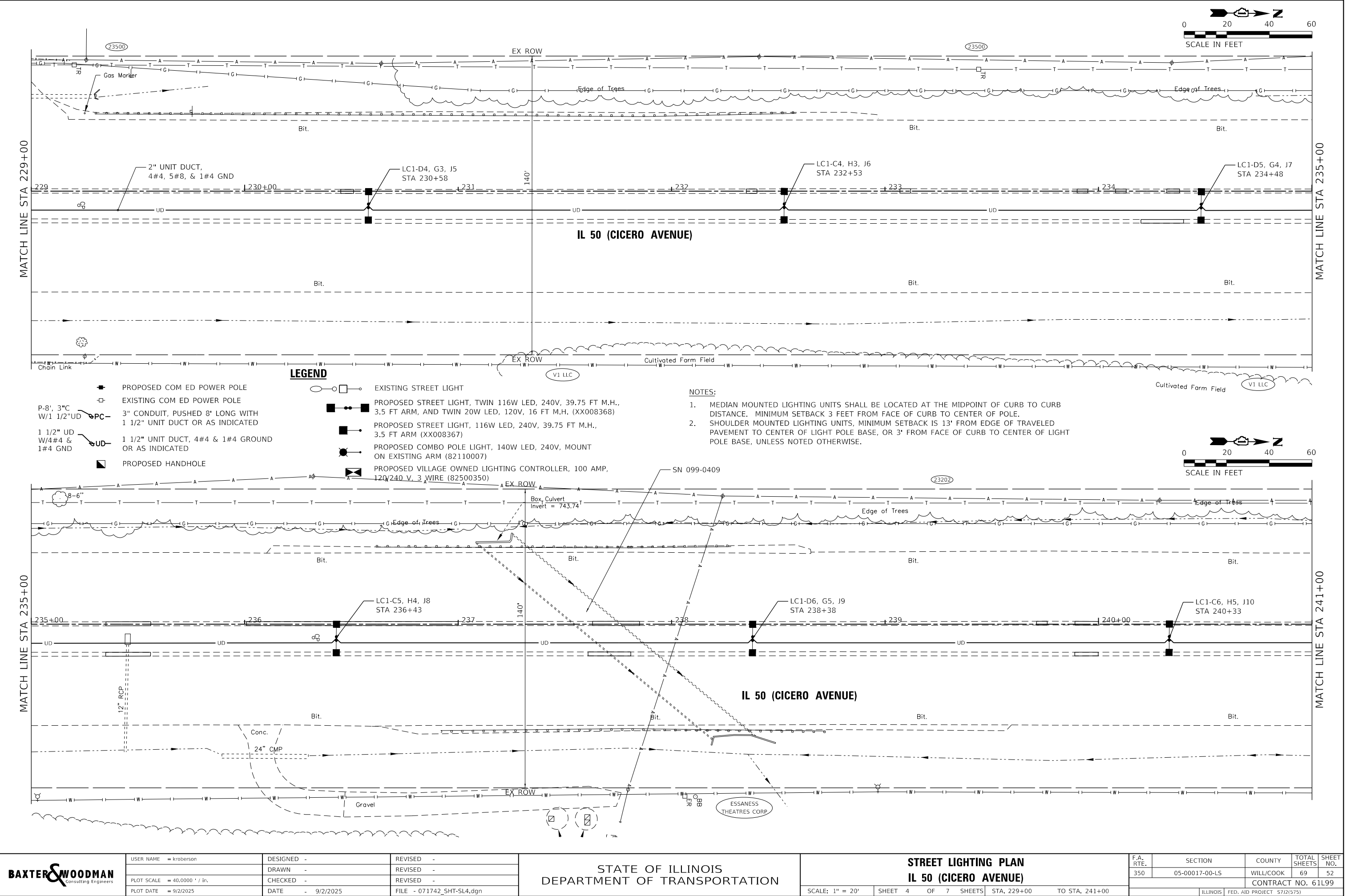


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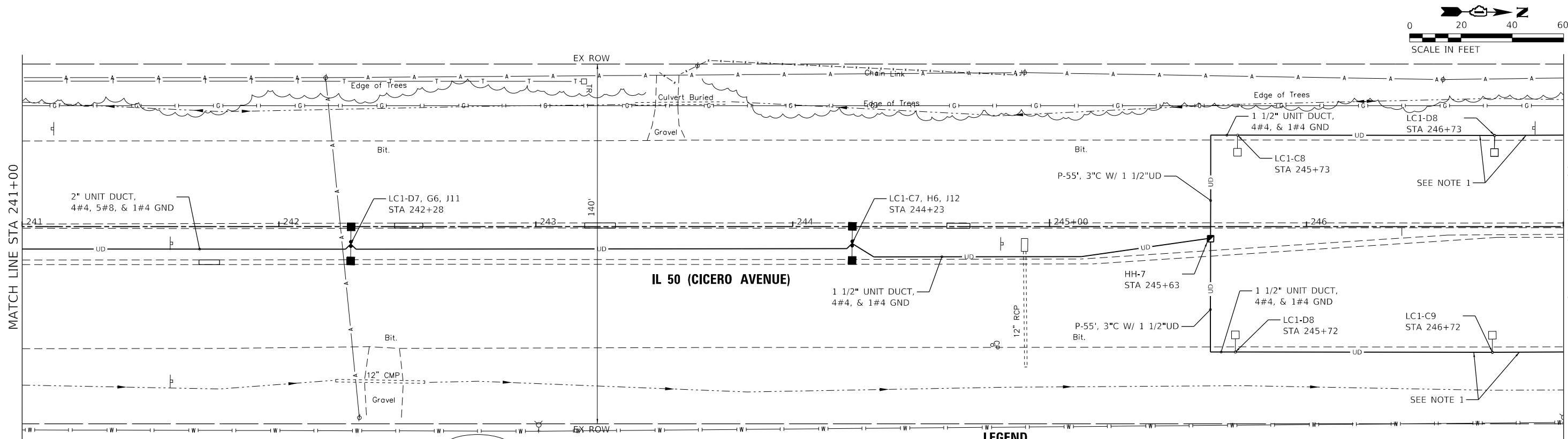
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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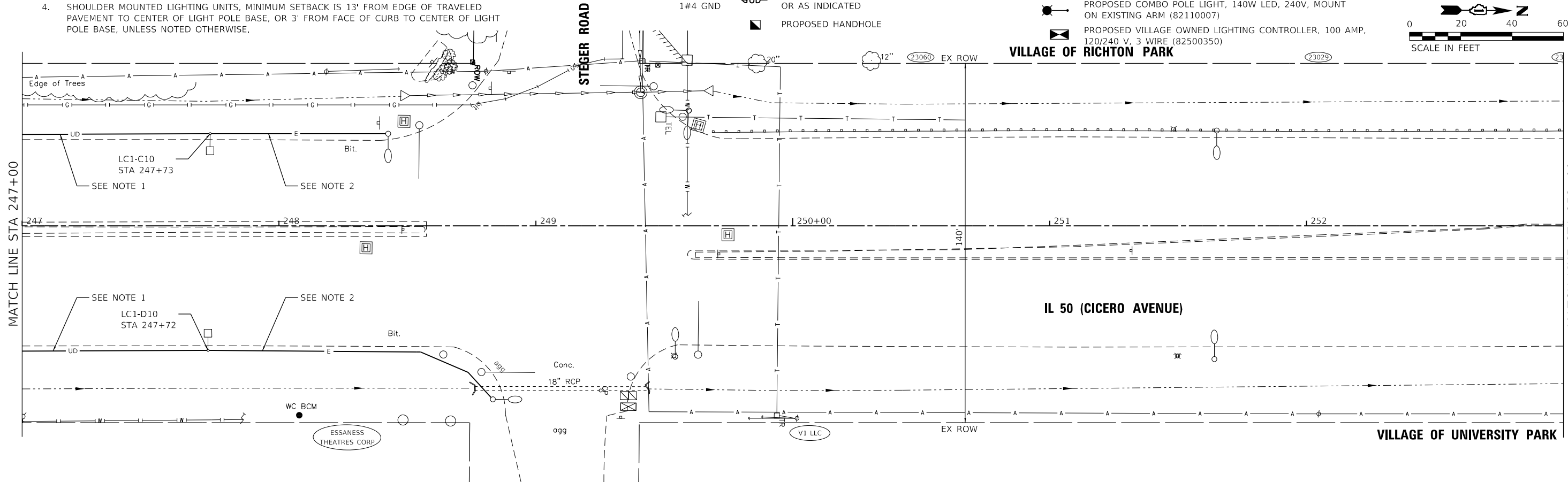
NOTES:

1. INSTALL NEW CABLE/CONDUIT TO EXISTING POLE BASE. DISCONNECT/REMOVE EXISTING CABLE/CONDUIT AND CONNECT NEW CABLE/CONDUIT IN SAME DAY TO MAINTAIN LIGHTING SYSTEM OPERATIONAL EVERY NIGHT.
2. DISCONNECT AND REMOVE EXISTING CABLE/CONDUIT.
3. MEDIAN MOUNTED LIGHTING UNITS SHALL BE LOCATED AT THE MIDPOINT OF CURB TO CURB DISTANCE. MINIMUM SETBACK 3 FEET FROM FACE OF CURB TO CENTER OF POLE.
4. SHOULDER MOUNTED LIGHTING UNITS, MINIMUM SETBACK IS 13' FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF LIGHT POLE BASE, OR 3' FROM FACE OF CURB TO CENTER OF LIGHT POLE BASE, UNLESS NOTED OTHERWISE.

- PROPOSED COM ED POWER POLE
 - EXISTING COM ED POWER POLE
 - PC — 3" CONDUIT, PUSHED 8' LONG WITH 1 1/2" UNIT DUCT OR AS INDICATED
 - UD — 1 1/2" UNIT DUCT, 4#4 & 1#4 GROUND OR AS INDICATED
 - PROPOSED HANDHOLE
- P-8', 3"C W/1 1/2"UD
- 1 1/2" UD W/4#4 & 1#4 GND

LEGEND

- □ ○ EXISTING STREET LIGHT
- PROPOSED STREET LIGHT, TWIN 116W LED, 240V, 39.75 FT M.H., 3.5 FT ARM, AND TWIN 20W LED, 120V, 16 FT M.H. (XX008368)
- PROPOSED STREET LIGHT, 116W LED, 240V, 39.75 FT M.H., 3.5 FT ARM (XX008367)
- PROPOSED COMBO POLE LIGHT, 140W LED, 240V, MOUNT ON EXISTING ARM (82110007)
- ◀ PROPOSED VILLAGE OWNED LIGHTING CONTROLLER, 100 AMP, 120/240 V, 3 WIRE (82500350)



BAXTER & WOODMAN
Consulting Engineers

USER NAME	= jmiller
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	= 9/30/2025
PLOT SCALE	= 40,0000 ' / in.
PLOT DATE	= 9/30/2025

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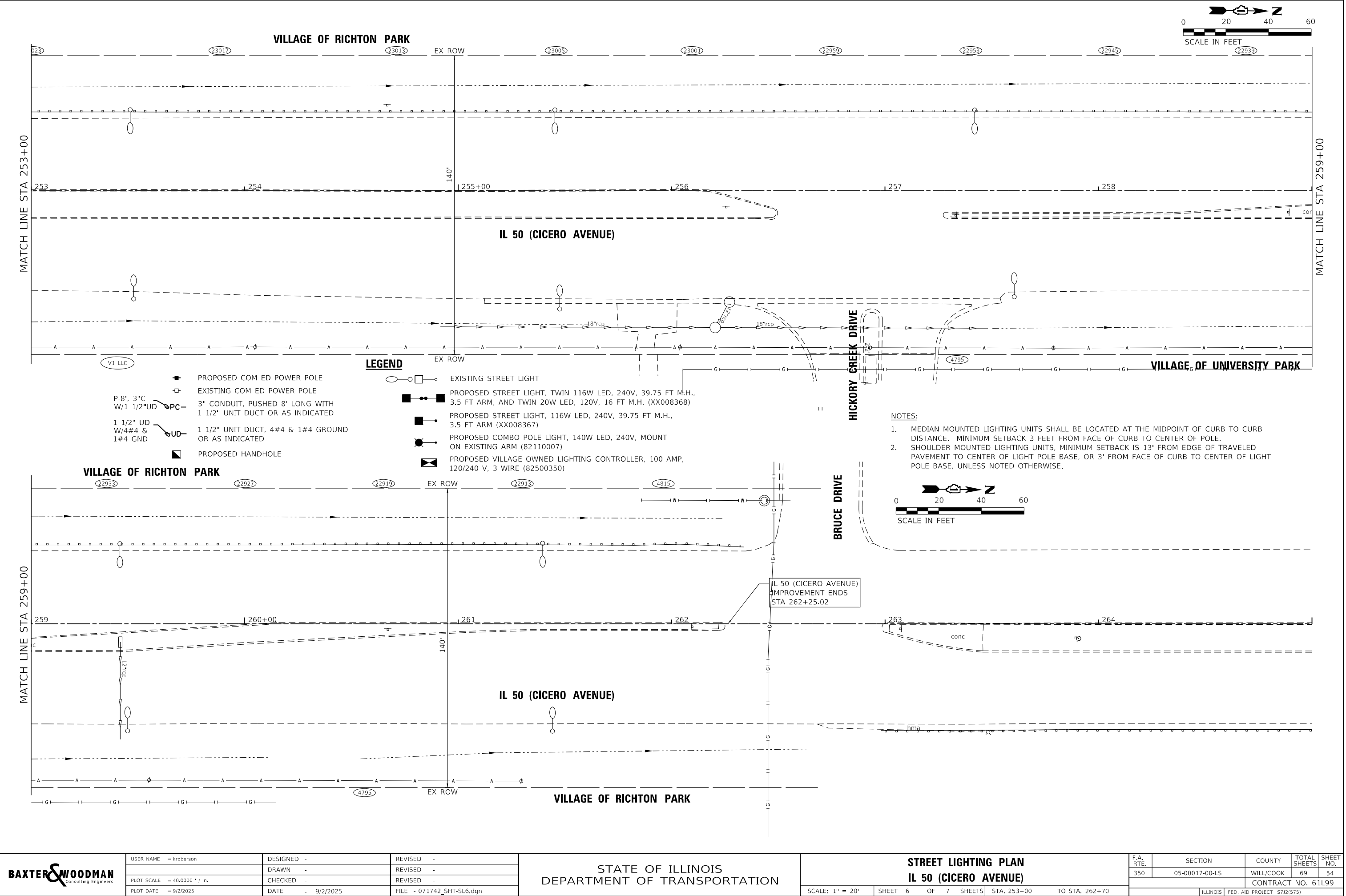
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN
IL 50 (CICERO AVENUE)

SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. 241+00 TO STA. 253+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	53
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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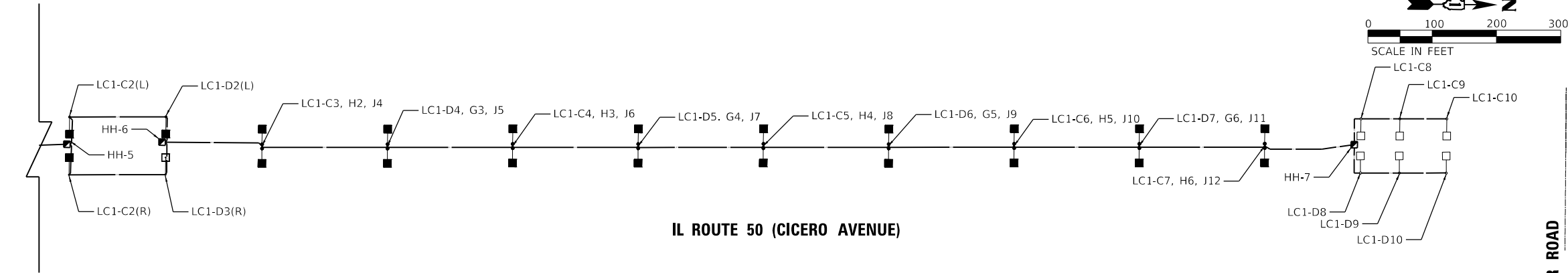
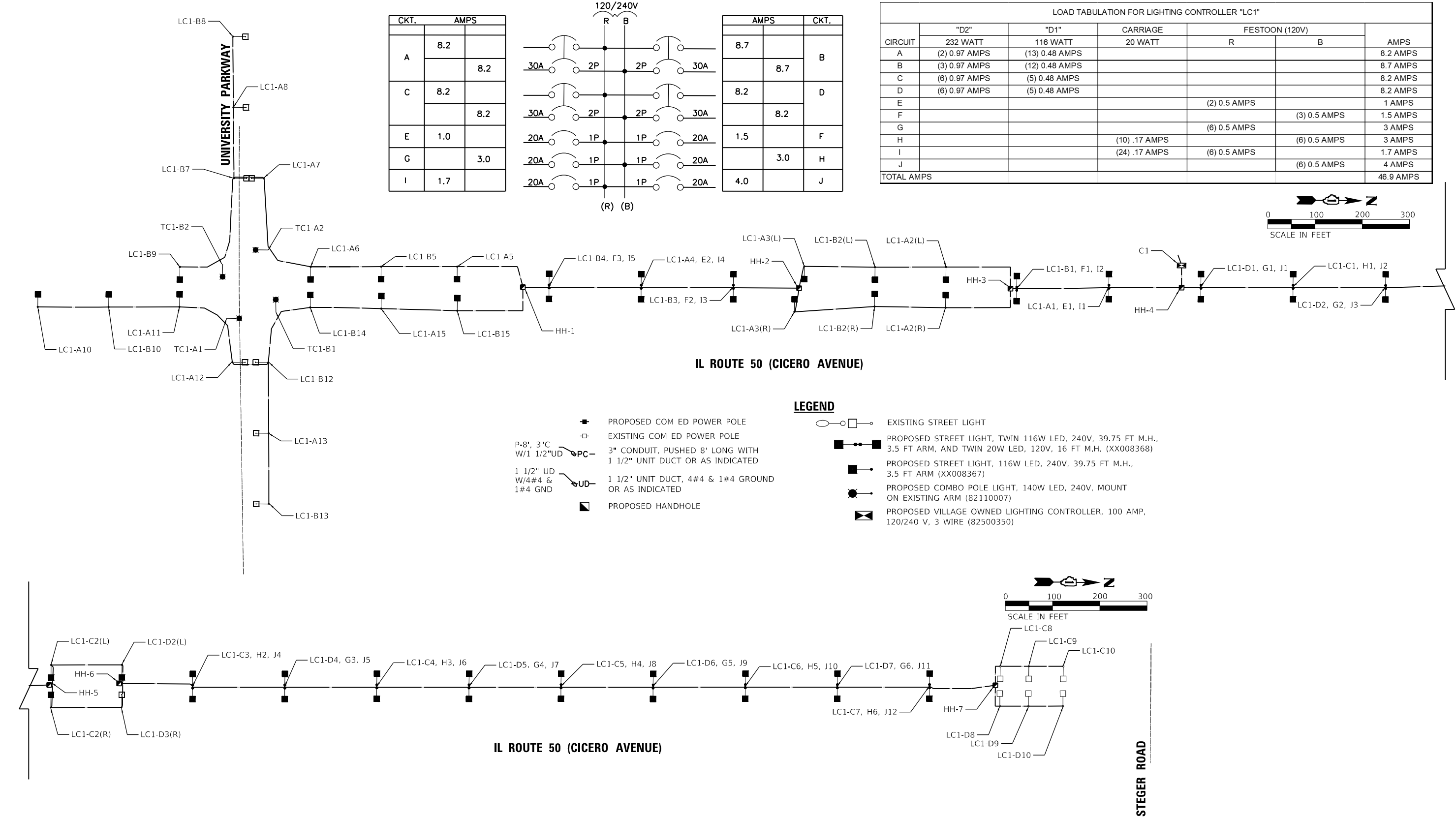


STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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J Miller
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PLOT DATE = 9/30/2025
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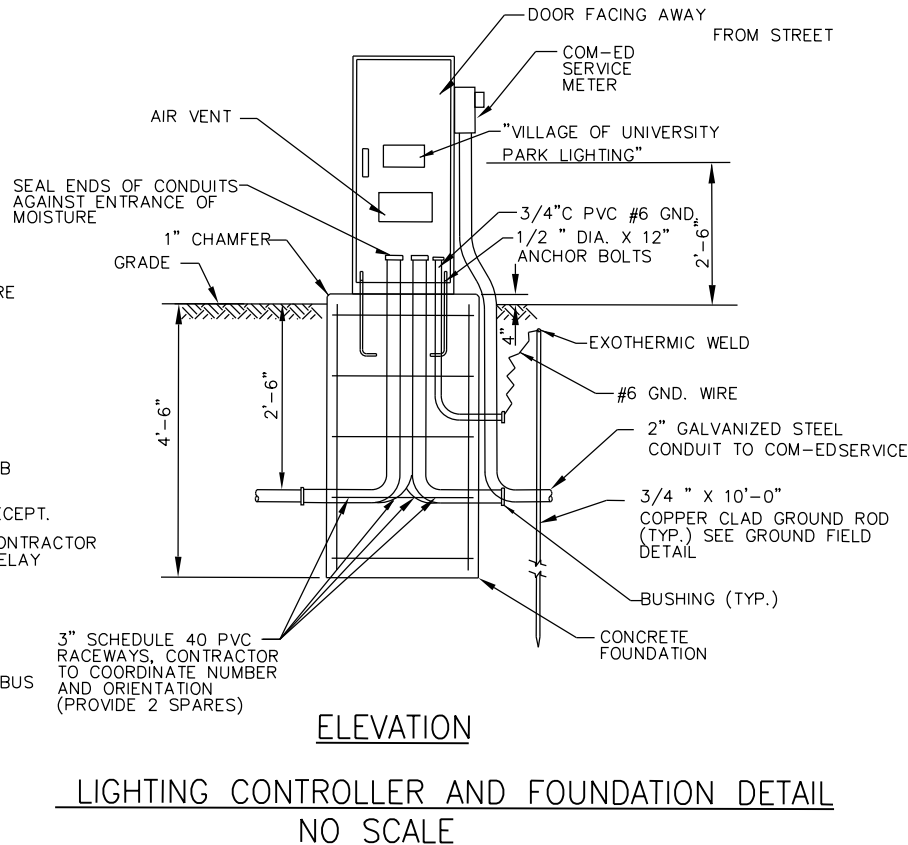
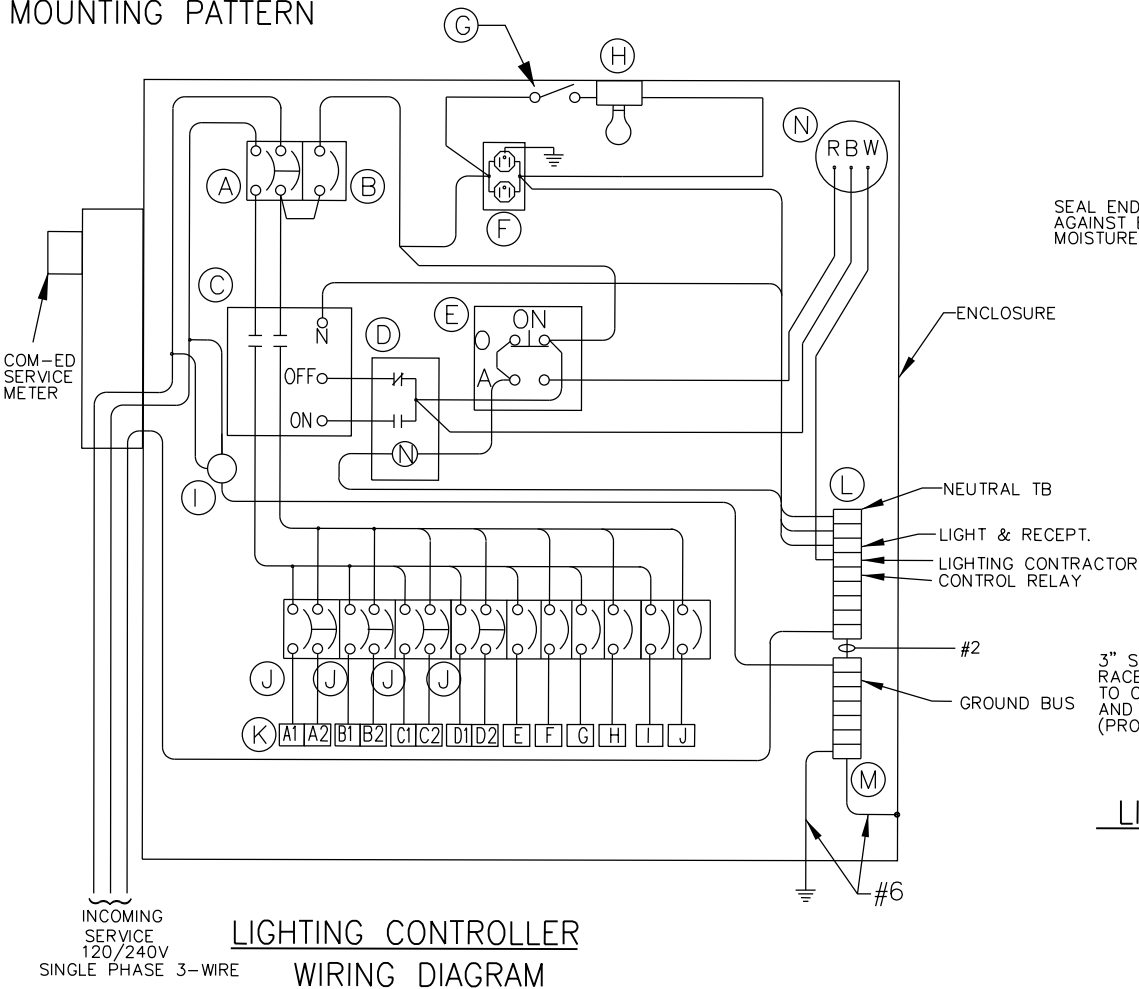
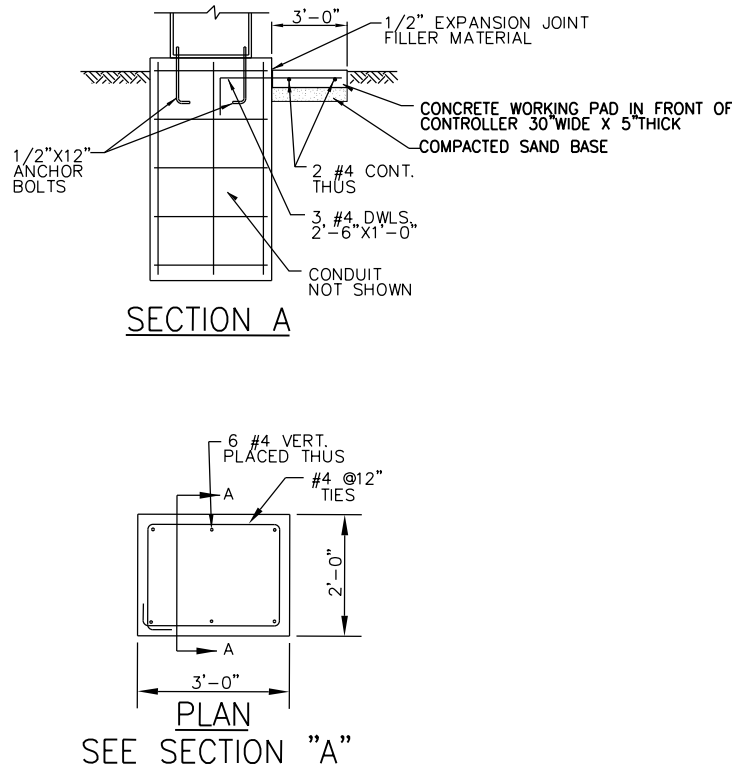
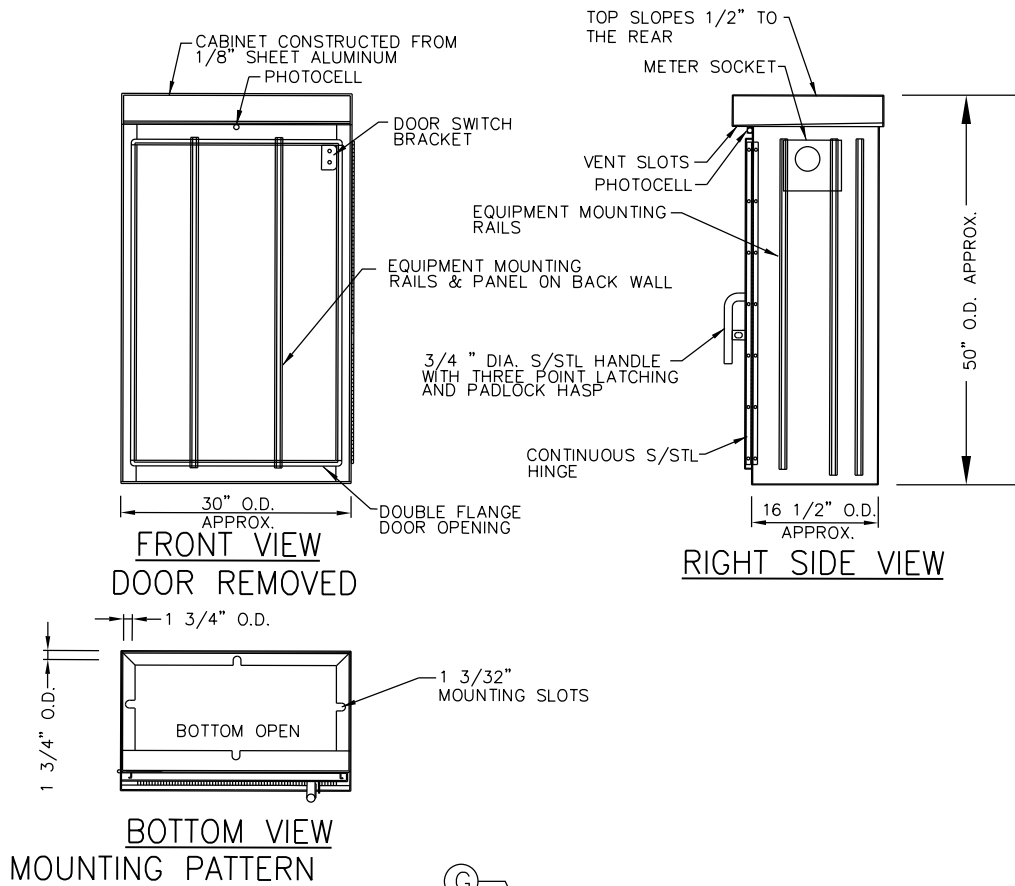
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 150A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
B	7	CONTROL CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE PHASE 20 A. BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETRICAL AMPERES AT 120 V.
C	1	LIGHTING CONTACTOR MECHANICALLY HELD, SQUARE "D" IV010600V 200A, 2-POLE, 600 V. WITH 120 COIL OR EQUAL
D	1	120V OPERATED DPDT 60 HZ COIL, 600V, 2 N.O. & 2 N.C. CONTACTS
E	1	ON-OFF-AUTO 3-POSITION SELECTOR SWITCH GE CR104P HEAVY DUTY SWITCH, RATED FOR 10 A. AT 600 VAC.
F	1	GFCI RECEPTACLE, 120 V., 20 A. SPEC. GRADE, NEMA CONFIG. 5-20R IN WEATHERPROOF CAST ALUMINUM BOX W/ WEATHERPROOF COVER
G	1	SPDT LIMIT SWITCH WITH SIDE PUSH ROD PLUNGER RATED 20 A. AT 120 V. OR EQUAL
H	1	100 WATT LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE, GUARD AND CAST ALUMINUM MOUNTING BOX.
I	1	SECONDARY SURGE ARRESTER SQUARE D SD5A1175, 175 VAC PHASE-TO-GROUND MAXIMUM OR EQUAL
J	4	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 30A, TRIP INTERRUPTING RATING 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
K	8	TERMINAL BLOCK RATED 600 V., 85 A.
L	14	COPPER NEUTRAL BUS
M	1	COPPER GROUND BUS
N	1	PHOTOCELL - 120V, BUTTON STYLE, DELAY TYPE, SPST

NOTES

- CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM, ALLOY 5052 FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING. MANUFACTURED BY SOUTHERN MFG. (DIV. OF ACCORD INDUSTRIES) AND AS COMPACT AS POSSIBLE.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
- NAME PLATE SHALL BE STEEL W/ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK, "VILLAGE OF UNIVERSITY PARK STREET LIGHTING"
- CABINET SHALL HAVE NATURAL ALUMINUM FINISH.
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER AND ALL ELECTRICAL COMPONENTS SHALL BE U.L. LISTED AS AN ENCLOSED INDUSTRIAL CONTROL PANEL UNDER UL508A, AND SHOULD BE SERVICE ENTRANCE RATED.
- METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTOR AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
- ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW (XLP-TYPE USE).
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- SERVICE EQUIPMENT SHALL BE MARKED TO IDENTIFY IT AS BEING SUITABLE FOR USE AS SERVICE EQUIPMENT
- CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED".

BAXTER & WOODMAN
Consulting Engineers

USER NAME = kroberson	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/2/2025	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

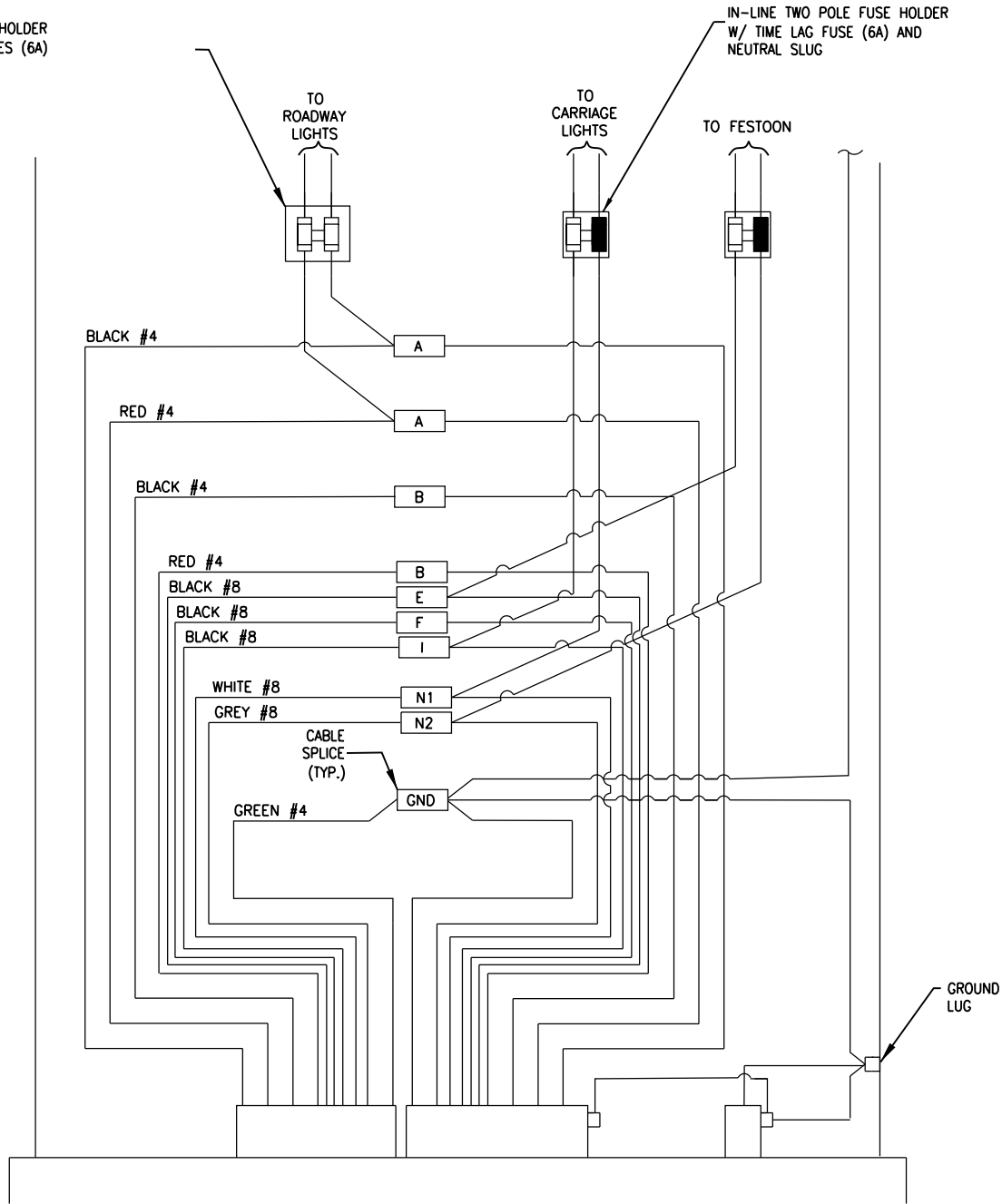
STREET LIGHTING DETAILS
IL ROUTE 50 (CICERO AVENUE)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	57
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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J Miller
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IN-LINE TWO POLE FUSE HOLDER
W/ TIME LAG FUSES (6A)



POLE BASE WIRING DETAIL
NO SCALE

INSTALL WIRE IDENTIFICATION MARKERS IN ACCORDANCE WITH
IDOT STANDARD SPECIFICATIONS SECTION 1066.07.

BAXTER & WOODMAN
Consulting Engineers

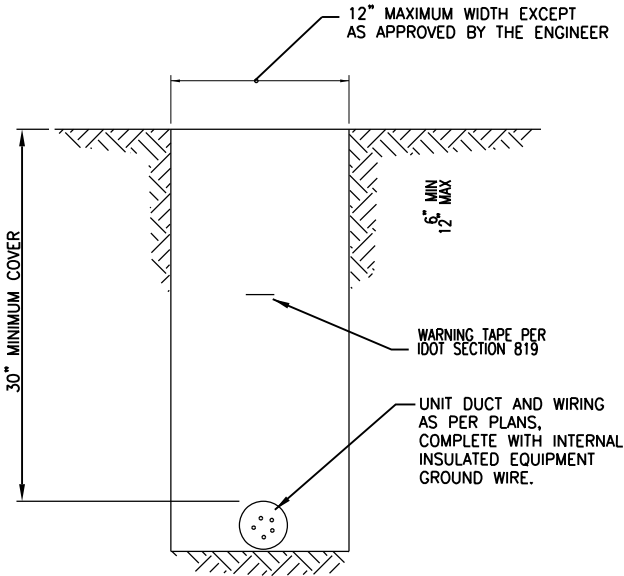
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	DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

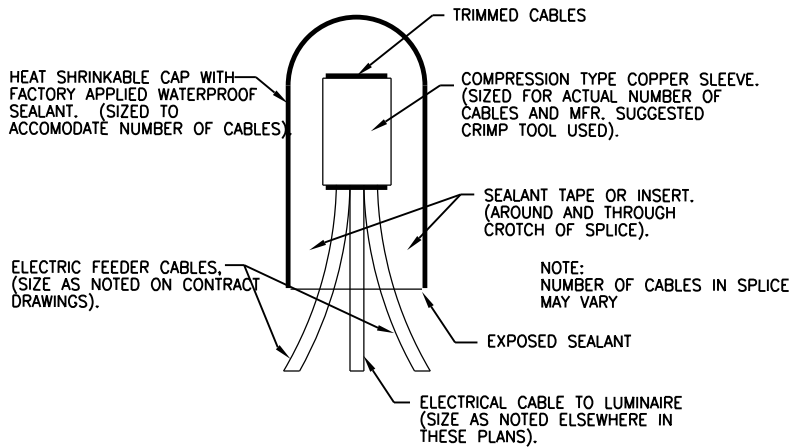
STREET LIGHTING DETAILS
IL ROUTE 50 (CICERO AVENUE)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	58
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

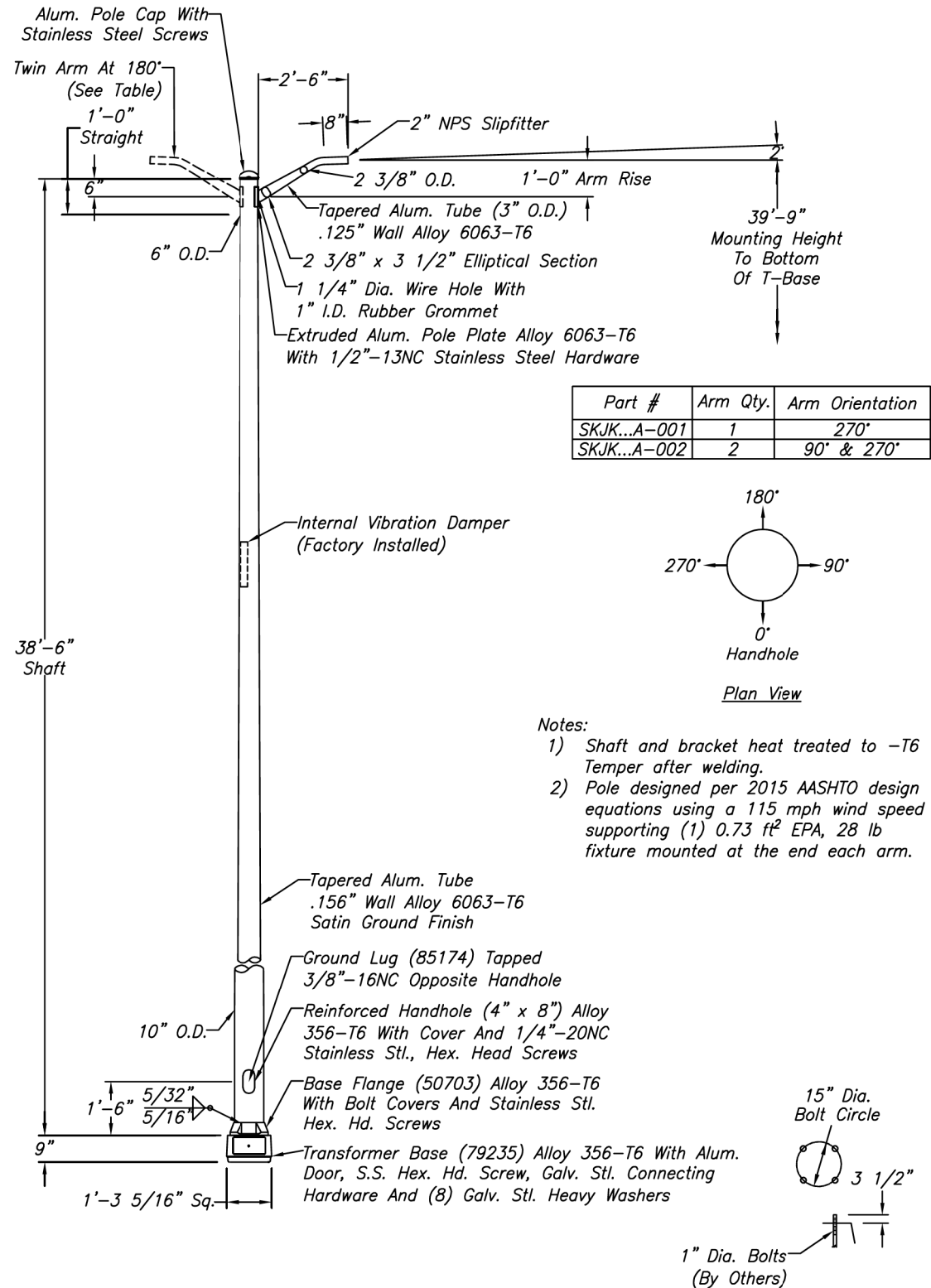


TYPICAL WIRING IN TRENCH DETAIL
NO SCALE



SPlicing ELECTRICAL CABLES
BASIC MATERIALS AND METHODS
NO SCALE

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
KROBERSON
PLOT SCALE = 40,0000' / in.
PLOT DATE = 9/2/2025
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Ref. 34379, 105923

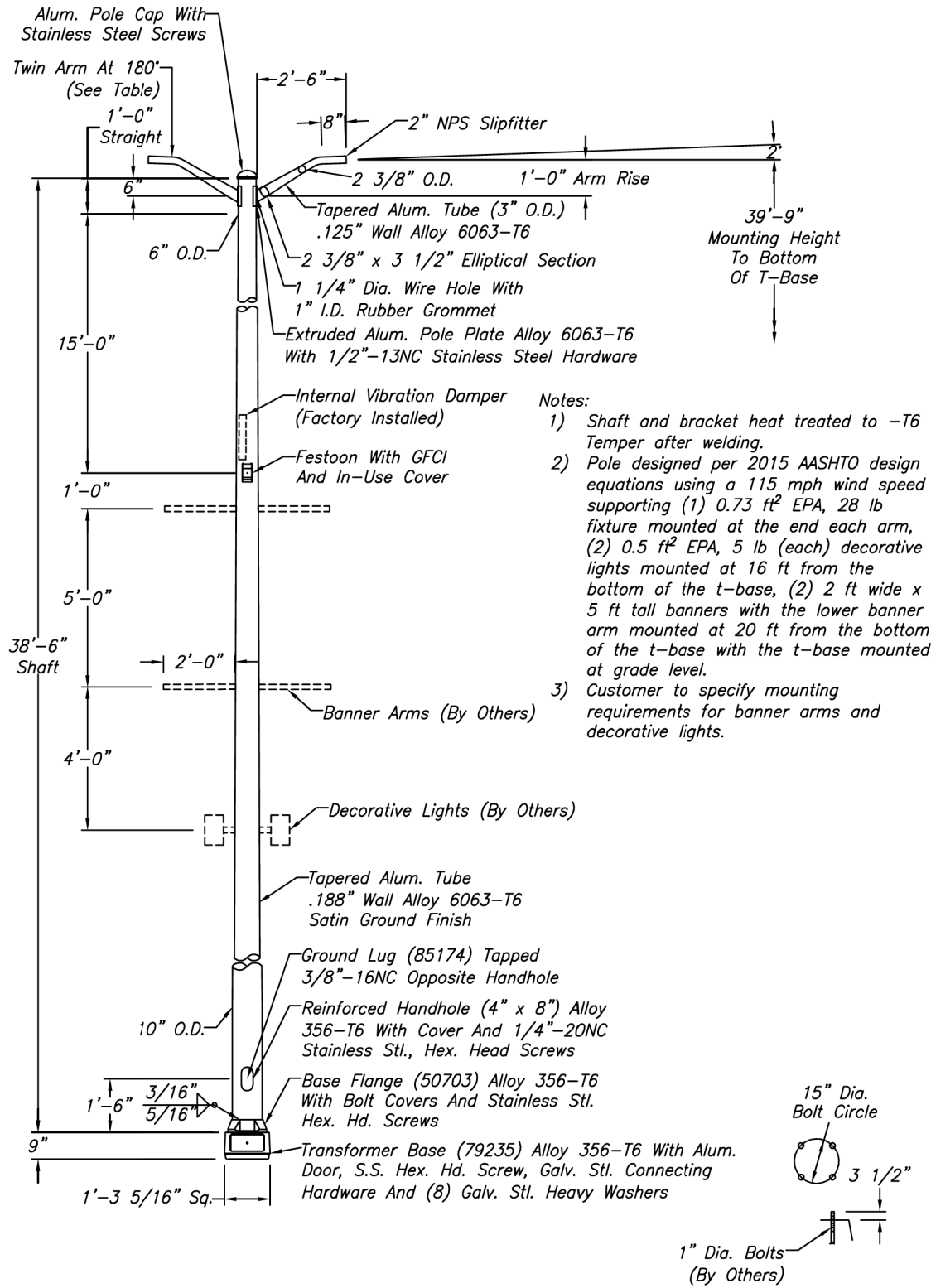
NO.	REVISIONS	DATE

WARNING: DO NOT INSTALL LIGHTING POLES WITHOUT LUMINAIRES



TITLE	2'-6" MAST ARM LIGHT POLE
CUSTOMER	Illinois
SCALE	NTS
DATE	5/15/2024
BY	JDK
DWG. NO.	
CHK'D	SKJKEPT93076A

DECORATIVE LIGHTING UNIT "D2"



Ref. 34379, 105923

NO.	REVISIONS	DATE

WARNING: DO NOT INSTALL LIGHTING POLES WITHOUT LUMINAIRES



TITLE	2'-6" MAST ARM LIGHT POLE
CUSTOMER	Illinois
SCALE	NTS
DATE	5/15/2024
BY	JDK
DWG. NO.	
CHK'D	SKJKEPT93076B

DECORATIVE LIGHTING UNIT "D1"

BAXTER & WOODMAN
Consulting Engineers

USER NAME	= kroberson	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVIS	-
PLOT SCALE	= 40,0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 9/2/2025	DATE	- 9/2/2025	FILE	- 071742_SHT-SL-Details.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS
IL ROUTE 50 (CICERO AVENUE)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	59
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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KROBERSON
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USER NAME	= kroberson
DESIGNED	-
DRAWN	-
PLOT SCALE	= 10.0000 ' / in.
CHECKED	-
DATE	- 9/2/2025
FILE	- 071742_SHT-ADA1.dgn

	STATION	OFFSET	ELEVATION
A	27+33.0	36.2' R	(787.02')
B	27+33.3	28.2' R	(786.95')
C	27+33.5	23.0' R	(786.89')
D	27+42.6	36.6' R	(787.05')
E	27+42.7	28.6' R	(786.95')
F	27+34.9	44.1' L	(786.40')
G	27+34.4	48.2' L	786.46'
H	27+17.9	46.9' L	(786.76')
I	27+17.2	53.5' L	(786.82')
J	27+33.8	54.8' L	786.56'
K	27+52.4	56.3' L	(786.58')

(XXX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL
IL ROUTE 50 (CICERO AVENUE)

SCALE: 1" = 5' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	60
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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KROBERSON
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PLOT DATE = 9/2/2025
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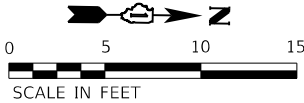
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL
IL ROUTE 50 (CICERO AVENUE)

SCALE: 1" = 5' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	61
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				

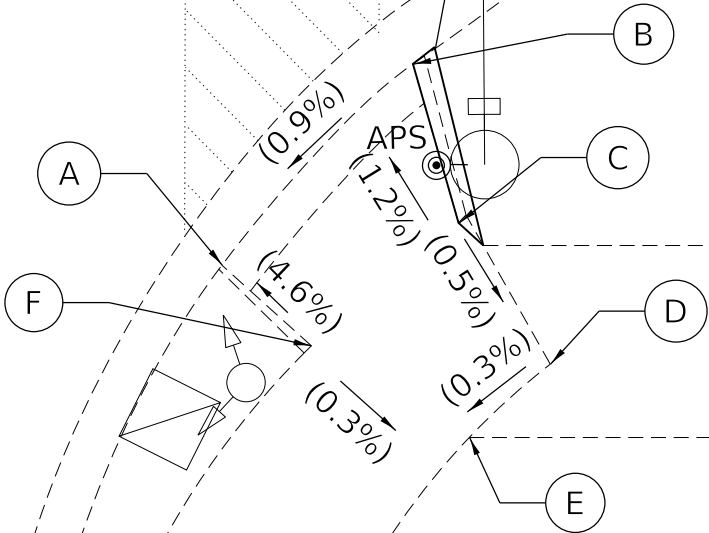
200+00
28



	STATION	OFFSET	ELEVATION
A	28+61.4	47.4' L	(785.83')
B	28+51.1	57.5' L	(786.05')
C	28+59.4	59.8' L	(786.15')
D	28+66.8	64.4' L	(786.11')
E	28+70.6	60.1' L	(786.09')
F	28+65.7	52.0' L	(786.12')

(XXX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE

IL ROUTE 50 (CICERO AVENUE)
REMOVE SIDE CURB
PORTLAND CEMENT
CONCRETE SIDEWALK 5 INCH



UNIVERSITY PARKWAY

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
kroberson 9/2/2025 11:37:10 AM
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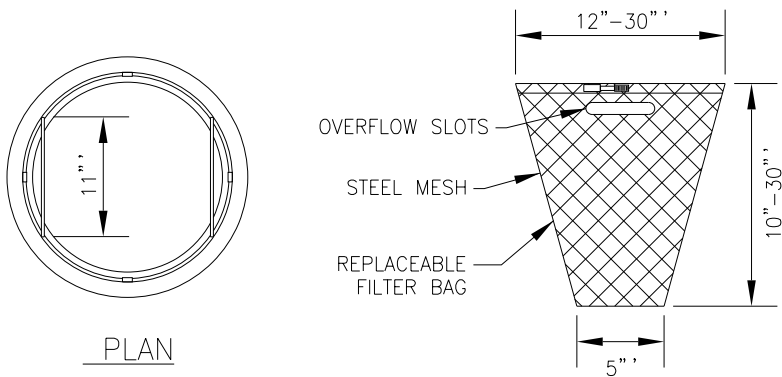
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PLOT DATE = 9/2/2025	DATE - 9/2/2025	FILE - 071742_SHT-MiscDetails.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-L5	WILL/COOK	69	62
CONTRACT NO. 61L99				
ILLINOIS FED. AID PROJECT 5712(575)				



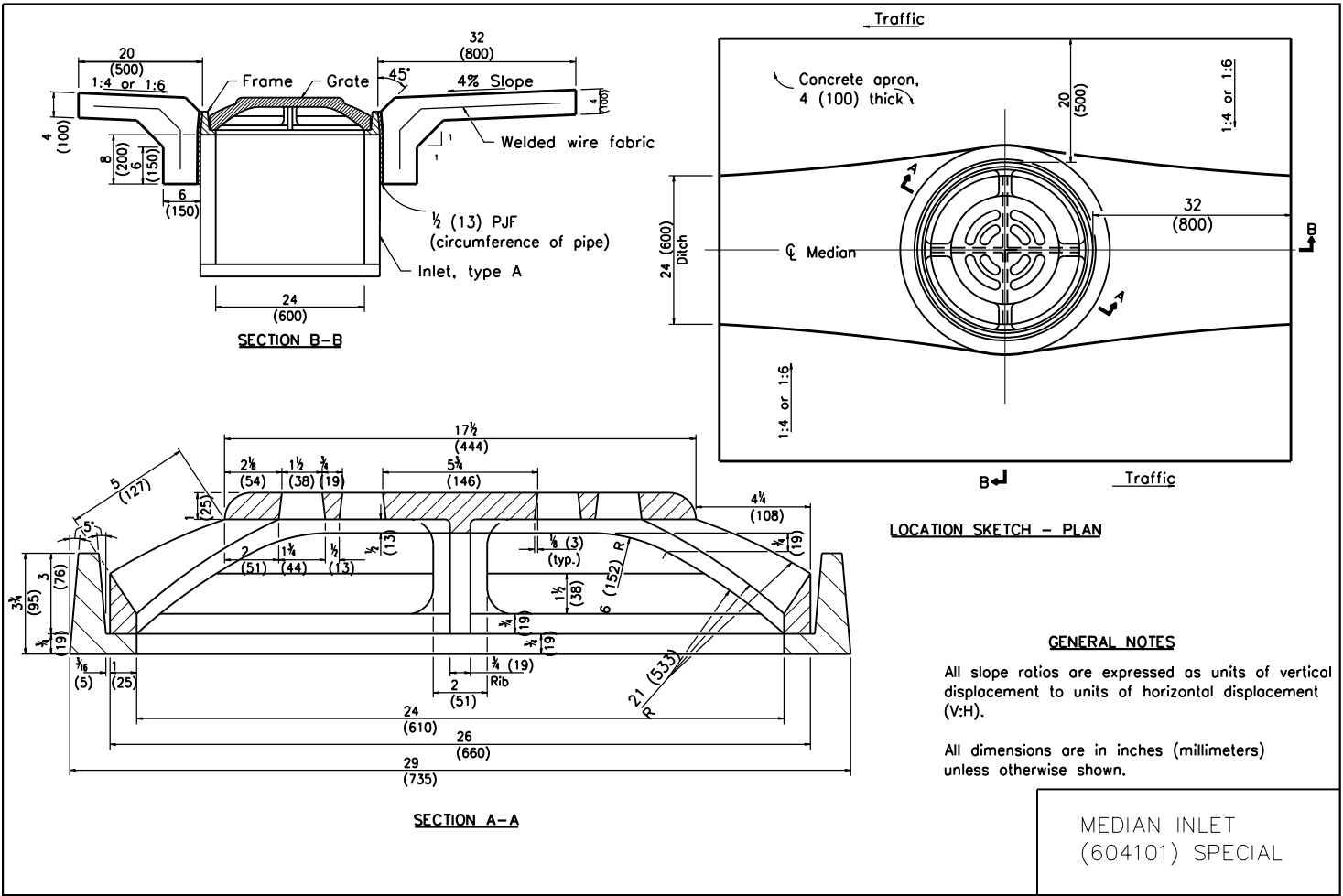
GENERAL NOTES:
FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE.
BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL.
HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

INLET PROTECTION FILTER

NO SCALE

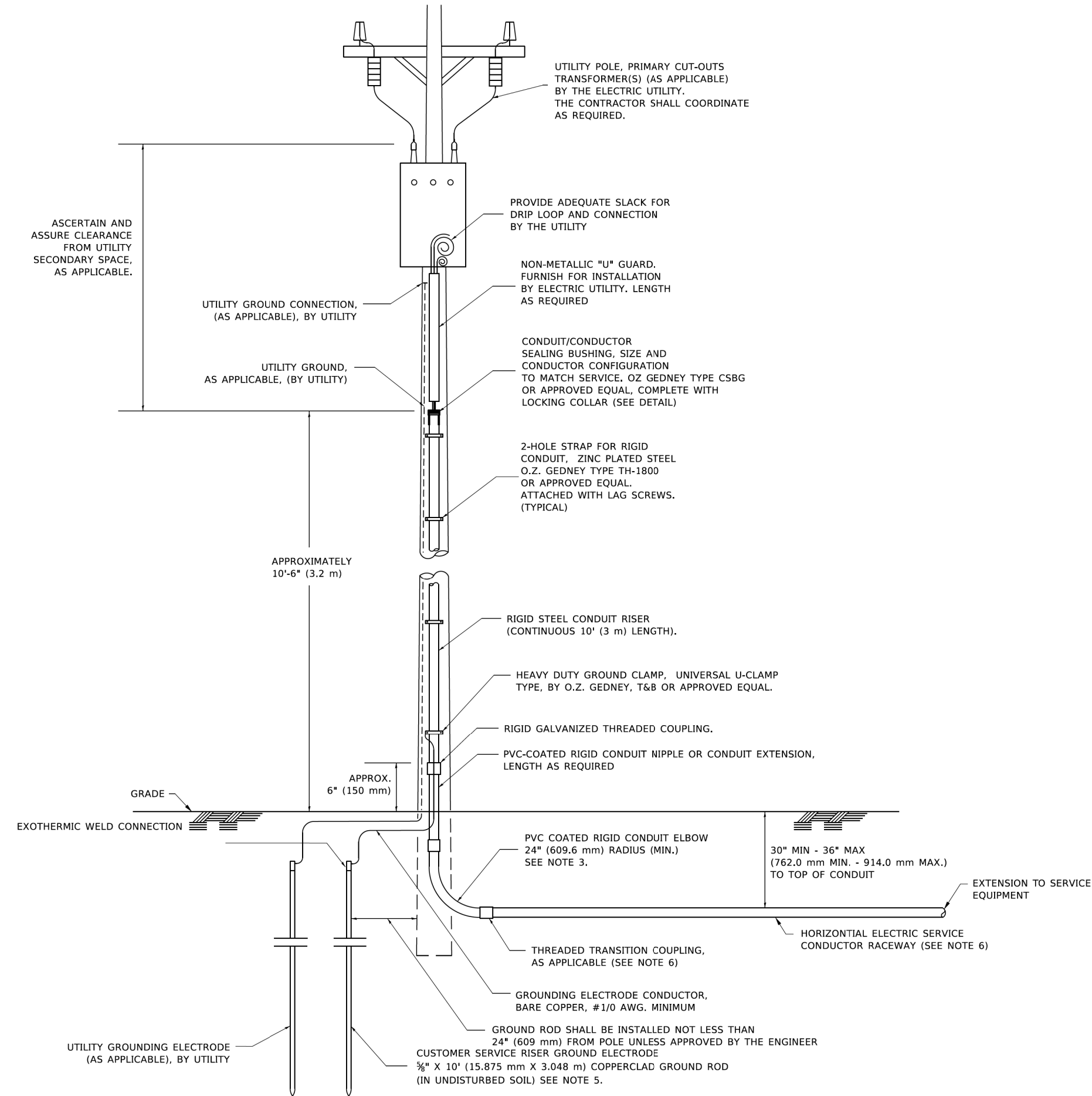


GENERAL NOTES
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

MEDIAN INLET
(604101) SPECIAL

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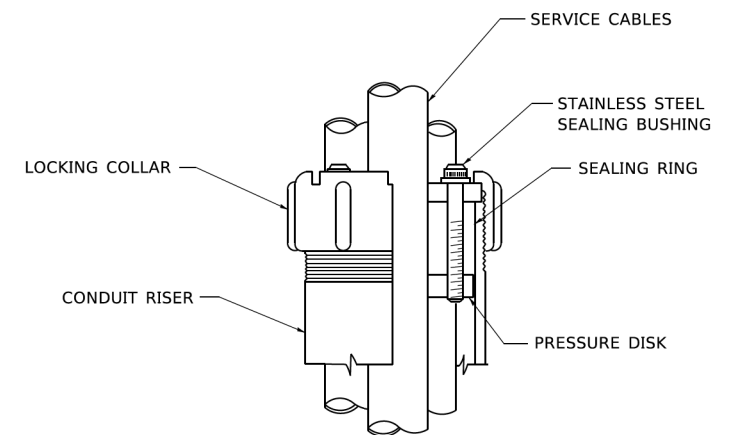


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

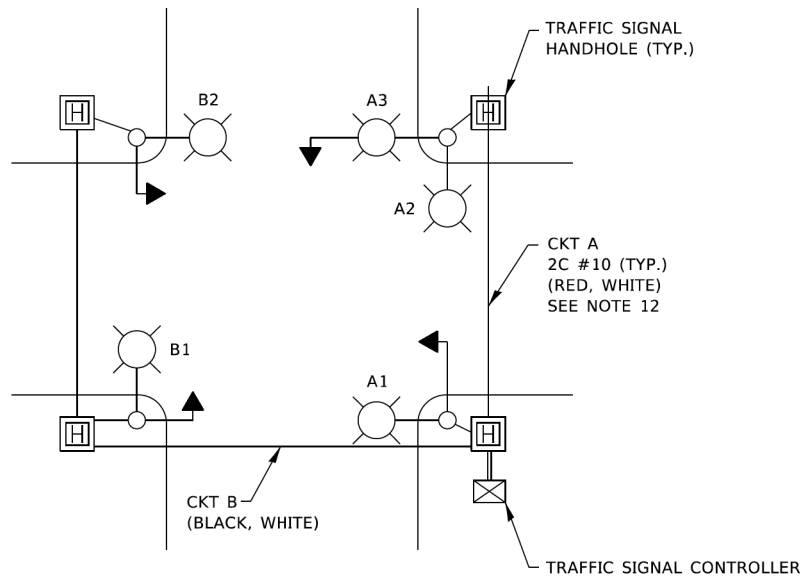
NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.

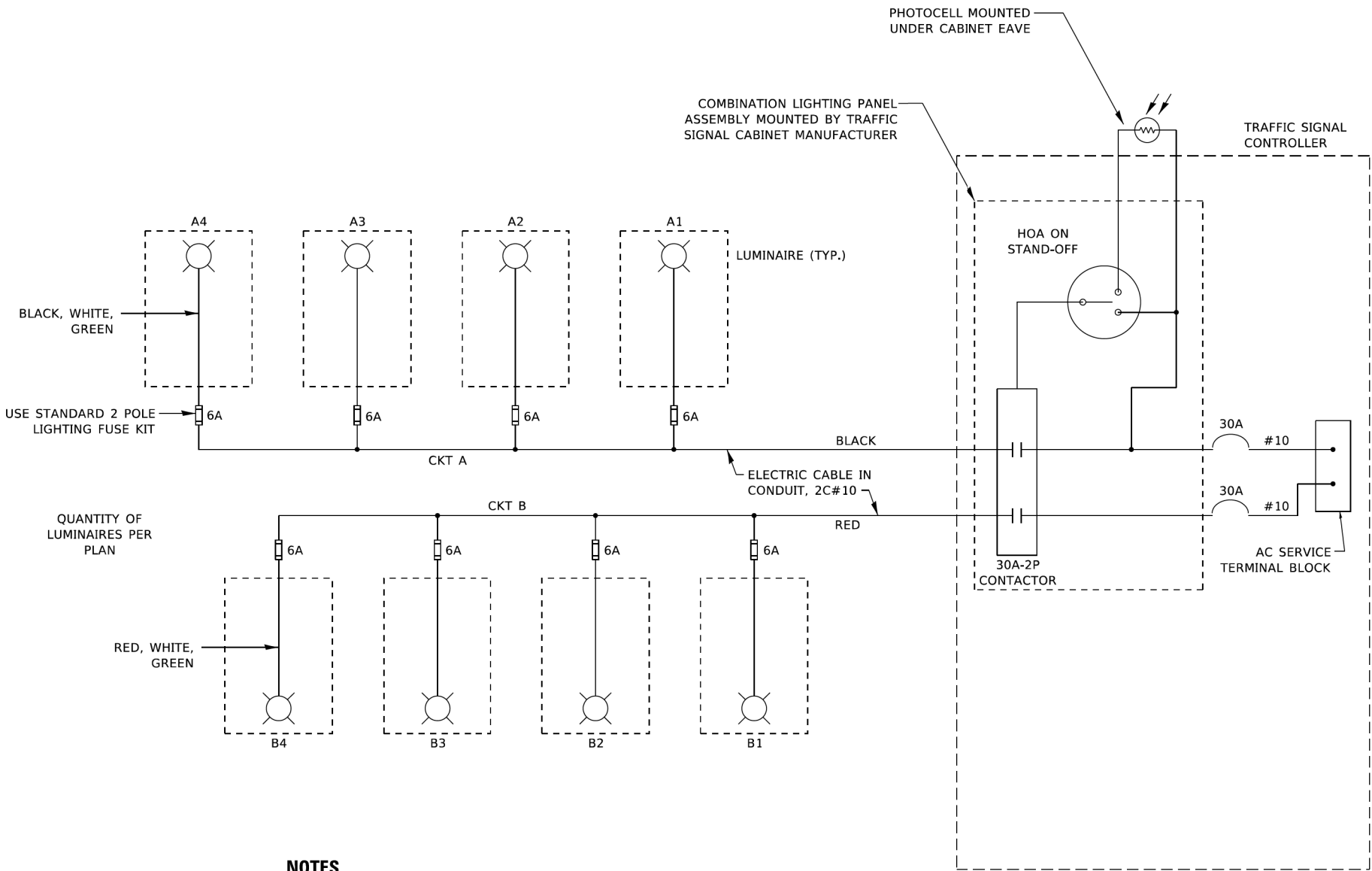


SEALING BUSHING DETAIL

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	DRAWN -		REVISD -	REVISD -					350	05-00017-00-LS	WILL/COOK	69	63
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	PLOT DATE = 4/19/2019		DATE -	REVISD -		SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT 57J2(575)		

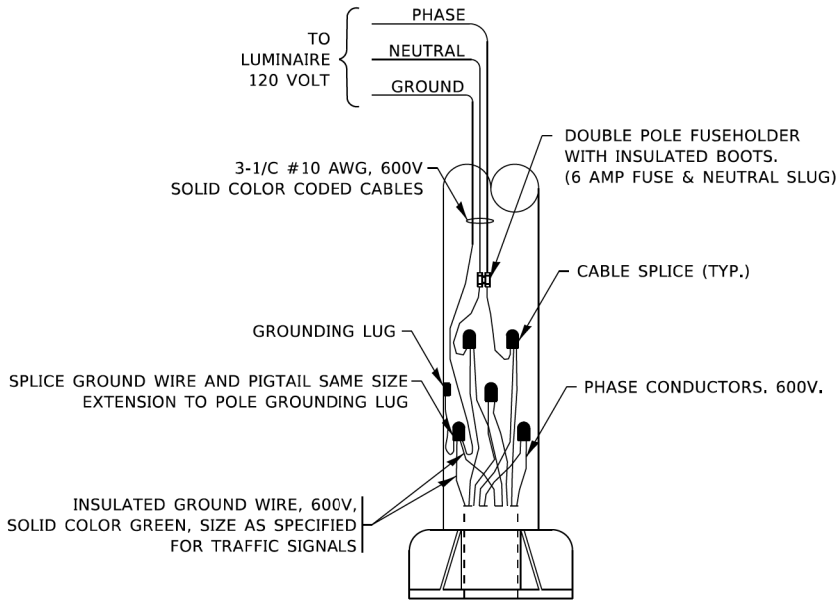


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

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FILE: \\norte-prod\\net-cw-bentley.com\\P\\V\\DOT\\Documents\\DOT-Offices\\District 1\\Projects\\Dis\\5421234\\CADD\\Data\\CAD\\sheets\\be240.dgn

	USER NAME = demanchelt	DESIGNED - RT	REVISED - T.G. 4/12/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISD - R. TOMSONS 3/22/18	REVISED - T.G. 8/03/2021					350	05-00017-00-LS	WILL/COOK	69	64
	PLOT SCALE = 100,0000' / in.	CHECKED - RT	REVISED - T.G. 5/05/2022		SCALE: NONE			SHEET 1 OF 1 SHEETS			CONTRACT NO. 61L99	
	PLOT DATE = 5/5/2022	DATE - 08/18/2014	REVISED - T.G. 5/05/2022		TO STA.			ILLINOIS FED. AID PROJECT			STJ2(575)	

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6" (152.4)
THREADED

1" Dia. X 5'-0"
(25.4 Dia. X 1.524 m)

3/8" T. X 4" Dia.
(15.87 T. X 101.6 Dia.)
WASHER, TACK WELDED

RADIUS NOT LESS THAN
4 TIMES NOMINAL ROD DIA.

5" (127.0)

PVC

ANCHOR ROD
4-1" Dia. X 5'-0"
(4-25.4 Dia. X 1.524 m)

3/4" (19) CHAMFER

3" (76)

24" (609)

#2/0 BARE COPPER—

EXOTHERMIC WELD CONNECTION TO GND. ROD.

EXOTHERMIC WELD CONNECTION TO REINFORCING STEEL

RADIUS
914.4
2 MIN.)

D (DESIGN DEPTH)

ND ROD (WHEN SPECIFIED)
3/8" Dia. X 10'
(15.875 Dia. X 3.048 m)

#2/0 BARE COPPER

GROUND CLAMP UL LISTED

8-#6 VERTICAL BARS

#3 SPIRAL

6" PITCH

3 LOOPS MIN. AT TOP & BOTTOM

2" (50.8)

3" (76,2)

24" (609,6) Dia.

Technical drawing of a spiral shell cross-section. The drawing shows a circular cross-section with a central crosshair. The outer diameter is labeled as 24" (609.6) Dia. The inner diameter is labeled as 3" (76.2). The shell thickness is labeled as 8-#6 VERT. and #3 SPIRAL.

30" (762.0) Dia.

3" (76.2)

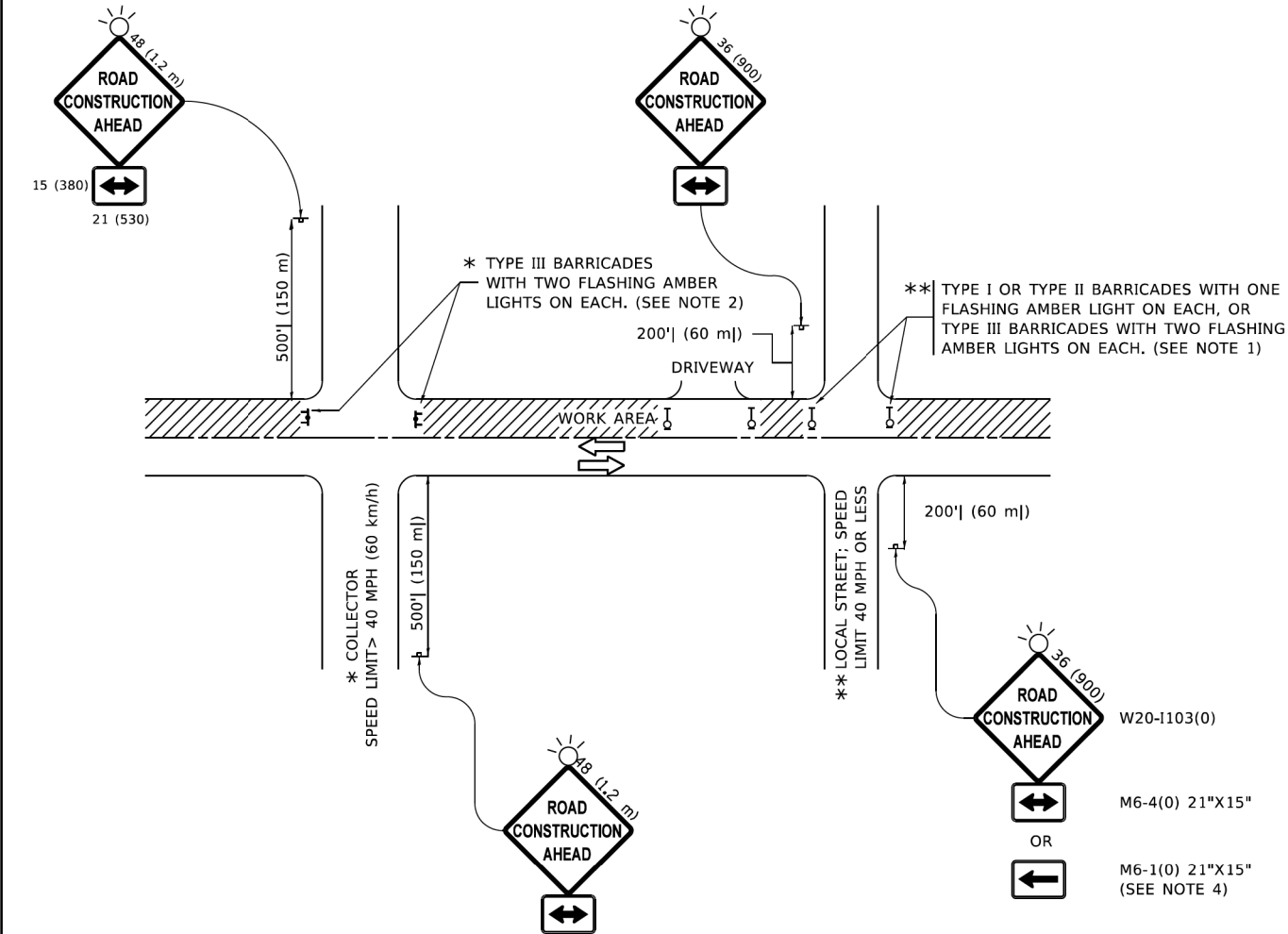
8-6# VERT.

#3 SPIRAL

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. 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 1135.
10. 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.
11. 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.
12. 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.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	05-00017-00-LS	WILL/COOK	69	65
BE-301		CONTRACT NO. 61L99		
		ILLINOIS	FED. AID PROJECT 57J2(575)	

COPYRIGHT ©2024 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. 05-00017-00-LS
 SHEET NO. 67 OF 69
 DATE: 5/3/2024
 DRAWN BY: L.H.A.
 CHECKED BY: A.S.
 DESIGNED BY: L.H.A.
 REVISIONS: 01-06-00 T. RAMMACHER
 07-01-13 A. SCHUETZE
 09-15-16 A. SCHUETZE
 05-03-24 D. SENDERAK
 SCALE: 1" = 100'-0"

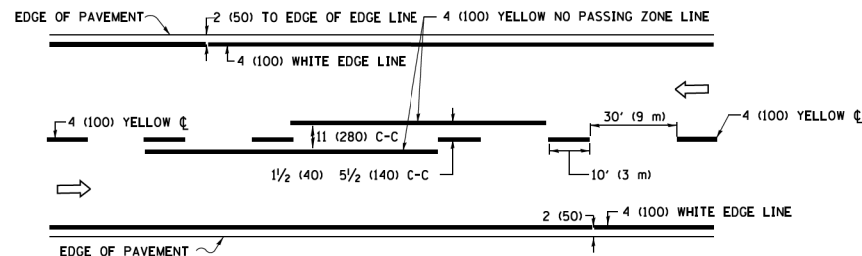


NOTES:

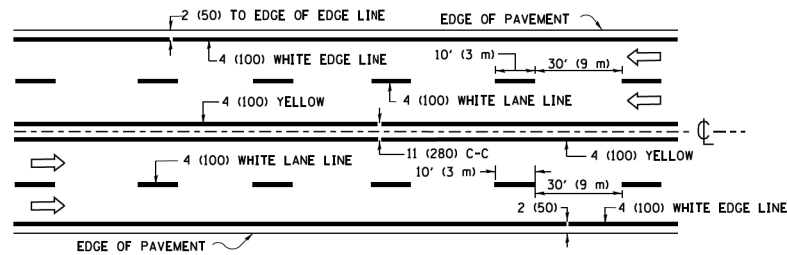
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL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

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

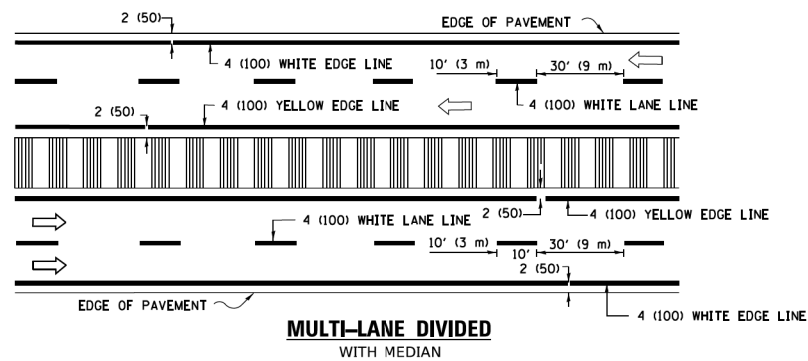
	USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. SCHUETZE 07-01-13			350	05-00017-00-LS	WILL/COOK	69	67
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16			TC-10		CONTRACT NO.61L99		
	PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT S7J2(575)	



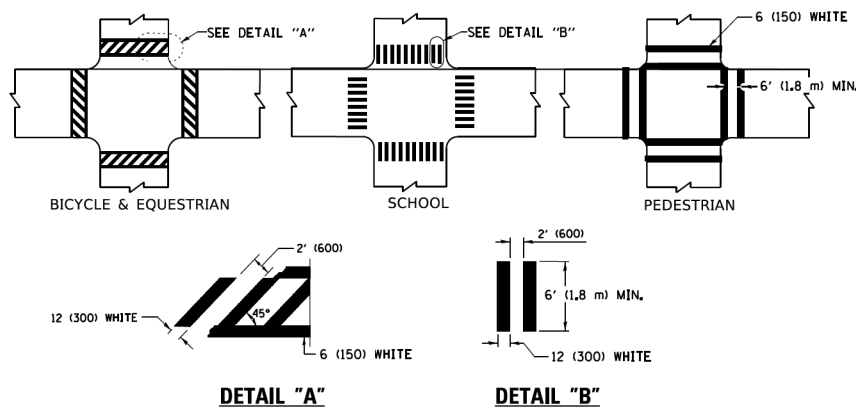
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

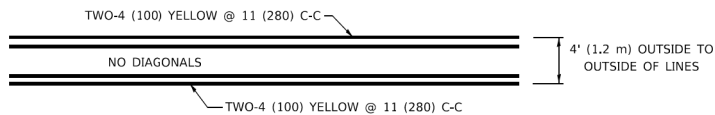


TYPICAL LANE AND EDGE LINE MARKING

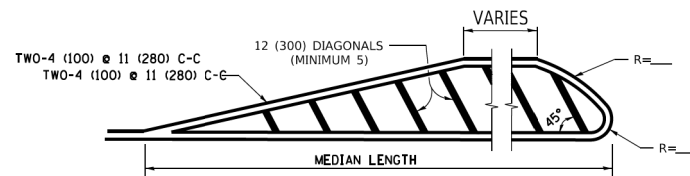


TYPICAL CROSSWALK MARKING

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



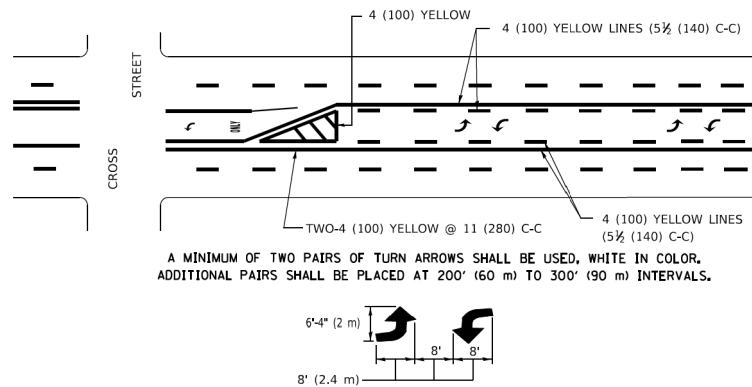
4' (1.2 m) WIDE MEDIANS ONLY



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

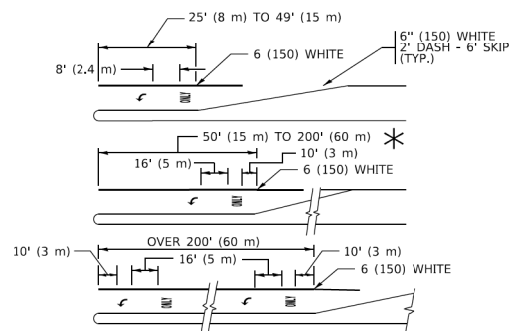
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

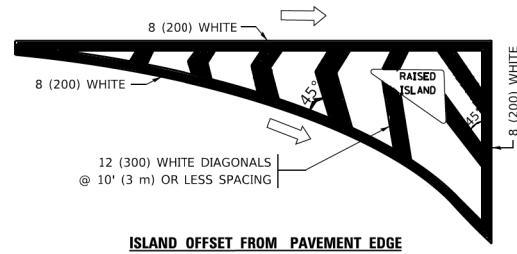


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

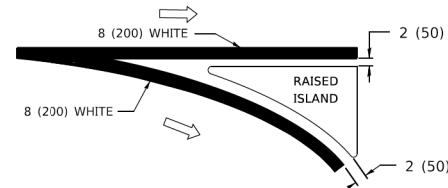
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

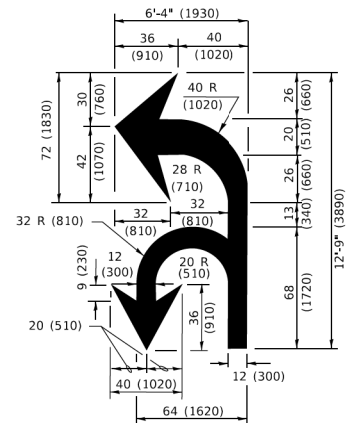


ISLAND OFFSET FROM PAVEMENT EDGE

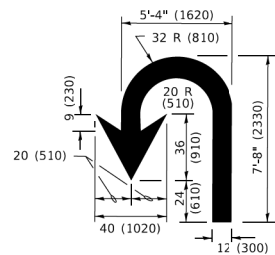


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

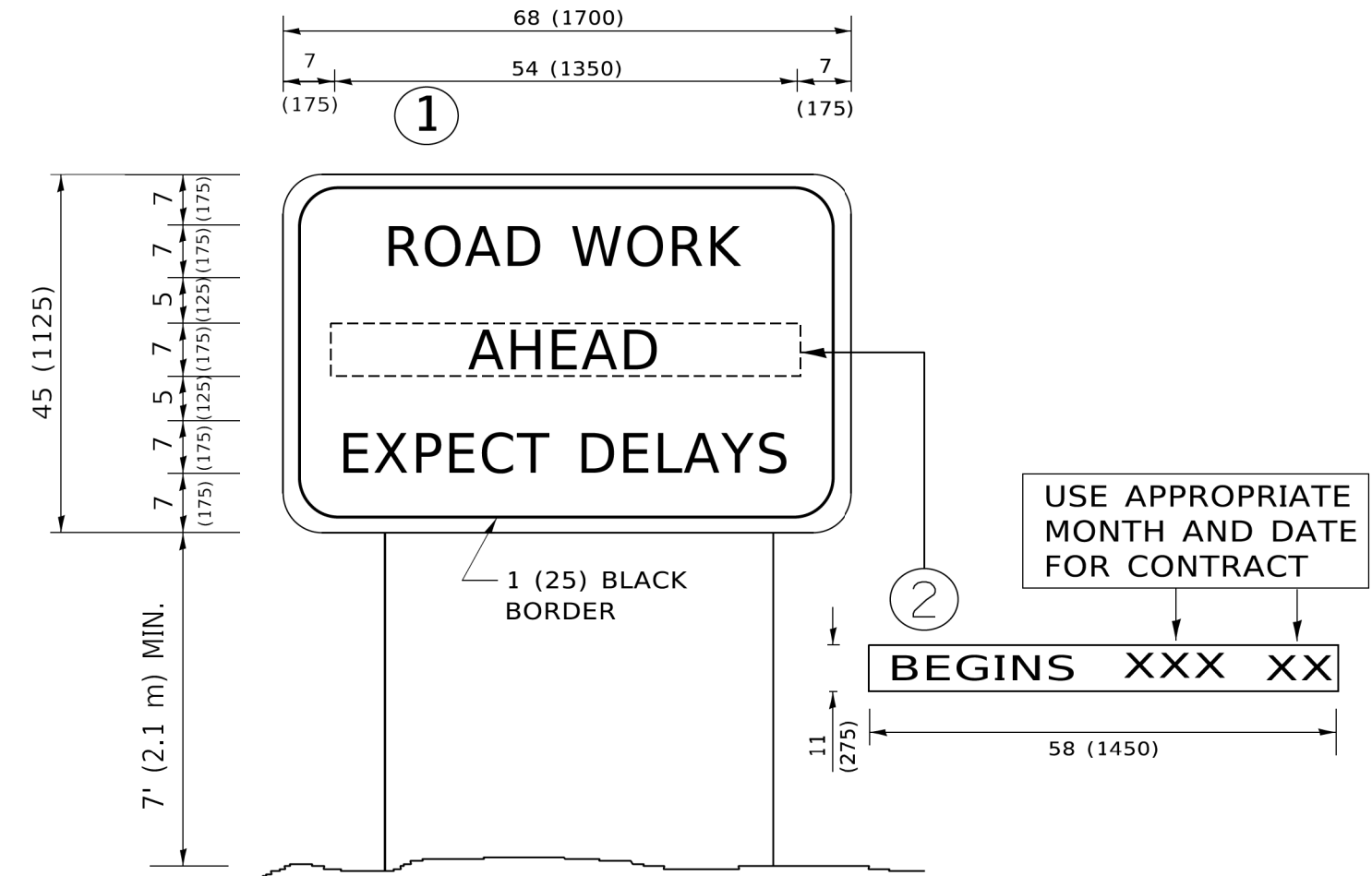
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = [footern]	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50,0000 ' / 1.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS					F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
					350	05-00017-00-LS		WILL/COOK	69	68
					TC-13		CONTRACT NO. 61L99			
							ILLINOIS FED. AID PROJECT S7J2(S75)			
SCALE: NONE	SHEET 1	OF 2	SHEETS	STA.	TO STA.					

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. 05-00017-00-LS
 SHEET NO. 69 OF 69
 DATE 02-02-99
 DRAWN BY T. RAMMACH
 CHECKED BY T. RAMMACH
 DESIGNED BY R. MIRS
 REVISIONS: 01-31-07 C. JUCIUS
 02-02-99 T. RAMMACH
 12-11-97 R. MIRS
 09-15-97 R. MIRS
 TC-22



NOTES:

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

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

	USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						350	05-00017-00-LS	WILL/COOK	69	69
	PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -T. RAMMACHER 02-02-99						TC-22		CONTRACT NO.61L99		
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		ILLINOIS FED. AID PROJECT S712(575)								
						SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.			