

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	1
39WN(177)		ILLINOIS	CONTRACT NO. 61E46	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

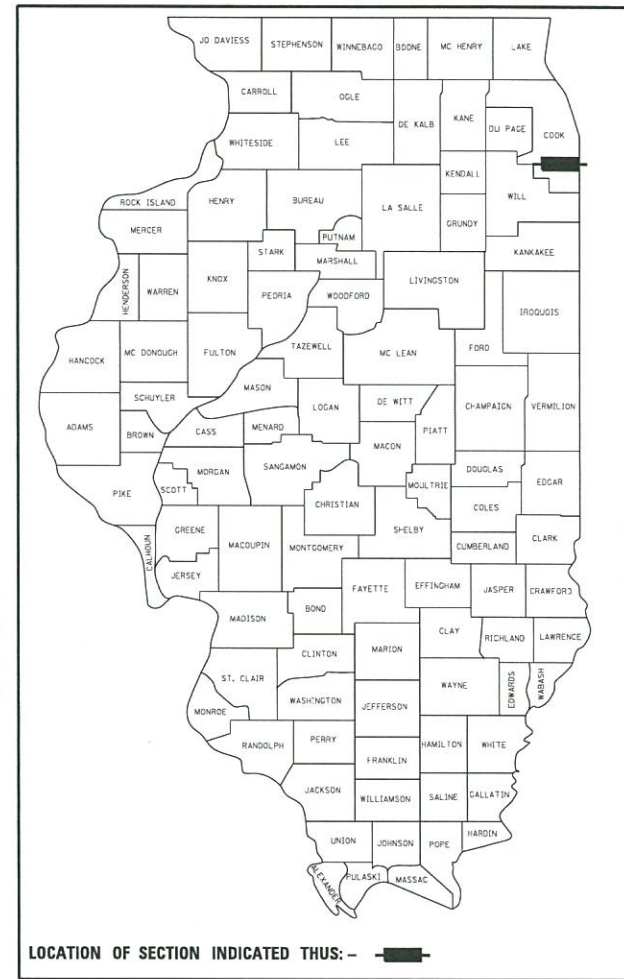
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID PROJECT

FAU 1596 (135TH STREET)
KOSTNER AVENUE TO CLAIRE BOULEVARD
RESURFACING, SIDEWALKS
SECTION: 14-00031-00-RS
PROJECT: 39WN(177)
VILLAGE OF ROBBINS
COOK COUNTY

C-91-113-18



TRAFFIC DATA

135TH STREET
POSTED AND DESIGN SPEED LIMIT = 35 MPH
2015 ADT = 10,550

DESIGN DESIGNATION

ROADWAY CLASSIFICATION: MINOR ARTERIAL

FAU 1596 135TH STREET
END PAVING OMISSION
STA 90+39

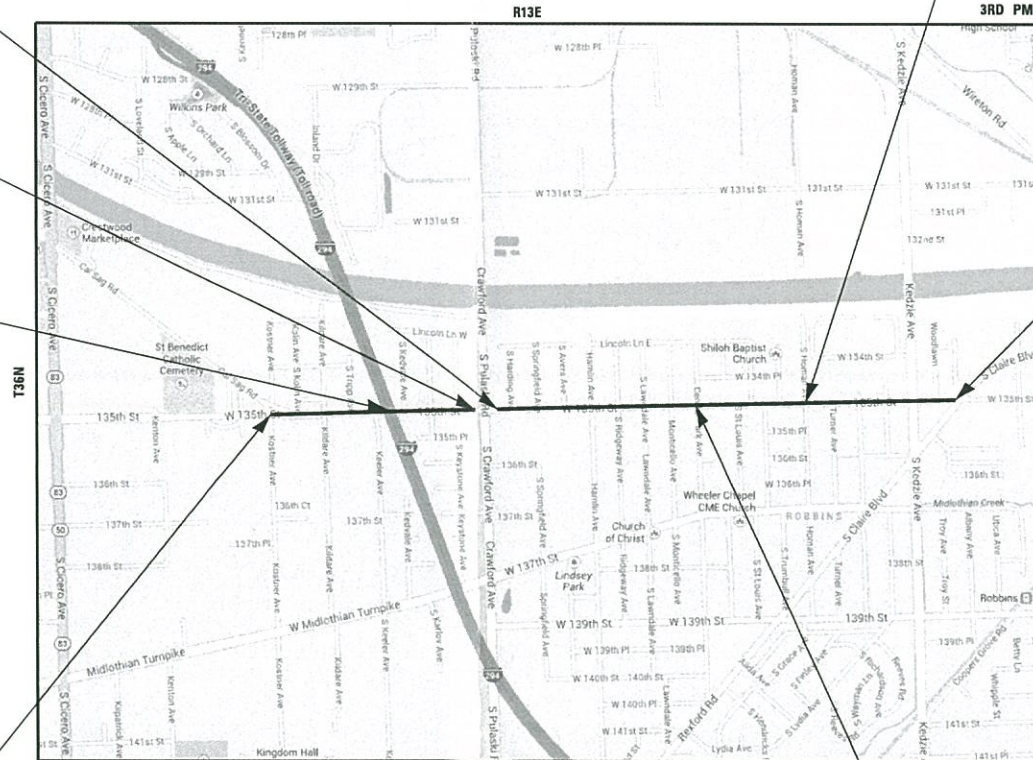
FAU 1596 135TH STREET
OMISSION ENDS
STA 50+83

FAU 1596 135TH STREET
OMISSION BEGINS
STA 49+17

STRUCTURE NUMBERS
016-9848
016-9849

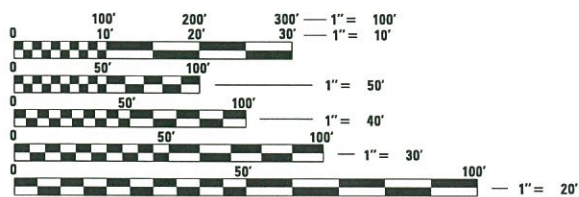
FAU 1596 135TH STREET
IMPROVEMENT ENDS
STA 108+81

FAU 1596 135TH STREET
IMPROVEMENT BEGINS
STA 23+79



LOCATION MAP
NOT TO SCALE
GROSS LENGTH = 8,485 FT. (1.607 MILE)
NET LENGTH = 8,319 FT. (1.576 MILE)

FAU 1596 135TH STREET
BEGIN PAVING OMISSION
STA 76+40



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

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. A1942553



CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = COOK
CITY-TOWNSHIP = ROBBINS - BREMEN & WORTH
SEC. & 1/4 SEC. NO. = T36N, R13E & T37N, R13E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61E46

THOMAS M. SLATTERY
62-050844
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS
3/7/18
PROJECT MANAGER
LICENSE EXPIRES 11-30-2019
JULIE JEN
PROJECT ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
APPROVED: [Signature] 3/16/18
VILLAGE OF ROBBINS
PASSED: [Signature] 3/14/18
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID
BASED ON LIMITED REVIEW
MARCH 20, 2018
ANTHONY J. RUMBLEY / CBS
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

B&W PROJECT NO.: 130771.40 DATE: 11-10-17

BAXTER & WOODMAN
Consulting Engineers

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 LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", 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 ENGINEER WILL FURNISH A RESIDENT PROJECT REPRESENTATIVE (RPR) TO ASSIST THE ENGINEER IN PROVIDING JOB-SITE OBSERVATION OF THE CONTRACTOR'S WORK. THE RPR WILL PROVIDE BASE LINES, BENCHMARKS AND REFERENCE POINTS, ASSIST THE CONTRACTOR WITH INTERPRETATION OF THE PLANS AND SPECIFICATIONS, OBSERVE IN GENERAL IF THE CONTRACTOR'S WORK IS IN CONFORMITY WITH THE CONTRACT DOCUMENTS, AND MONITOR THE CONTRACTOR'S PROGRESS AS RELATED TO THE DATE OF COMPLETION. THE LIMITATIONS ON AUTHORITY AND RESPONSIBILITY OF THE ENGINEER SHALL ALSO APPLY TO THE ENGINEER'S CONSULTANTS, RESIDENT PROJECT REPRESENTATIVE AND ASSISTANTS.
5. 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 ACCESS WILL ONLY BE ALLOWED WITH APPROVAL FROM THE PUBLIC WORKS DEPARTMENT. WATER FOR CONSTRUCTION SHALL BE METERED WITH A METER THE CONTRACTOR OBTAINS FROM THE WATER DEPARTMENT FOR A DEPOSIT 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.
6. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL.
7. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.

8. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES RESIDENTIAL DRIVEWAYS AND 8-INCHES AT COMMERCIAL DRIVEWAYS. TRANSVERSE EXPANSION JOINTS ¾" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
9. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
10. ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT.
11. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A CAST-IN-PLACE "ARMOR-TILE" 24"x60" NOMINAL SIZE PANEL AS MANUFACTURED BY "ENGINEERED PLASTICS, INC." (800) 682 2525 OF WILLIAMSVILLE, NY. THE PANEL SHALL BE A POLYMER COMPOSITE AND COMPLY WITH ADA REQUIREMENTS. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE SELECTED BY THE VILLAGE. MATERIAL SPECIFICATIONS FOR THE DETECTABLE WARNINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION OF THE DETECTABLE WARNING PLATES. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DETECTABLE WARNINGS SHALL BE IN ACCORDANCE WITH SECTION 424.09 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE IDOT STANDARDS FOR CURB RAMPS AND SIDEWALKS.
12. THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
13. IF ANY STORM SEWER LATERALS ARE FOUND DURING CONSTRUCTION AND ARE NOT IDENTIFIED ON THE PLANS, THEY SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM.
14. ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM.
15. ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE EXISTING STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE IN ADDITION TO THE REQUIREMENTS FOR DRAINAGE STRUCTURES TO BE ADJUSTED.
16. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H), AS DETERMINED BY THE ENGINEER.
17. THE CONTRACTOR SHALL CONTACT THE D1 TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
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30	EMERGENCY VEHICLE PREEMPTION INSTALLATION PLAN 135TH STREET AND PULASKI ROAD - FOR INFORMATION ONLY
31	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE 135TH STREET AND PULASKI ROAD - FOR INFORMATION ONLY
32	(BD-01) DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5m)
33	(BD-02) DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)
34	(BD-08) DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
35	(BD-22) PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
36	(BD-24) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
37	(BD-32) BUTT JOINT AND HMA TAPER DETAILS
38	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
39	(TC-11) TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
40	(TC-13) DISTRICT ONE TYPICAL PAVEMENT MARKINGS
41	(TC-14) TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
42	(TC-16) SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
43	(TC-22) ARTERIAL ROAD INFORMATION SIGN
44	(TC-26) DRIVEWAY ENTRANCE SIGNING
45	(TS-07) DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-04	DEPRESSED CORNER FOR SIDEWALKS
442101-08	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
602301-04	INLET - TYPE A
602401-04	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
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
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS
AND GENERAL NOTES**

SCALE: NONE	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	2
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% VILL
				ROADWAY 0005 URBAN
20101200	TREE ROOT PRUNING	EACH	6	6
20101700	SUPPLEMENTAL WATERING	UNIT	19	19
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,507	1,507
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	24	24
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	24	24
25200110	SODDING, SALT TOLERANT	SQ YD	1,507	1,507
# 28000510	INLET FILTERS	EACH	97	97
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,489	2,489
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	189	189
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	7	7
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	26,313	26,313
# 40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	4
# 40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,682	1,682
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	878	878
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	845	845

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% VILL
				ROADWAY 0005 URBAN
# 40801005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	752	752
# 40803340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3,363	3,363
# 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10
42001300	PROTECTIVE COAT	SQ YD	3,448	3,448
# 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	21,651	21,651
# 42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	745	745
# 42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,695	1,695
42400800	DETECTABLE WARNINGS	SQ FT	860	860
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	37,234	37,234
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	614	614
44000600	SIDEWALK REMOVAL	SQ FT	23,640	23,640
# 44002205	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 1/4"	SQ YD	3,732	3,732
# 44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	2,085	2,085
# 44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SQ YD	389	389
# 44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	20	20

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	3
39WN(177)			CONTRACT NO. 61E46	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% VILL	ROADWAY 0005 URBAN
# 44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	20		20
# 44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	284		284
44201299	DOWEL BARS 1 1/2"	EACH	100		100
# 44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	1,185		1,185
# 44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	600		600
# 44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	4,190		4,190
44213200	SAW CUTS	FOOT	492		492
44213204	TIE BARS 3/4"	EACH	174		174
44213208	TIE BARS 1 1/4"	EACH	100		100
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	13		13
# 60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4		4
# 60262700	INLETS TO BE RECONSTRUCTED	EACH	7		7
# 60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3		3
60404950	FRAMES AND GRATES, TYPE 24	EACH	10		10
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1		1

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% VILL	ROADWAY 0005 URBAN
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10		10
# 66900200	NON-SPECIAL WASTE DISPOSAL	CJ YD	562		562
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1		1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1
67100100	MOBILIZATION	L SUM	1		1
# 70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1		1
# 70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1		1
# 70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1		1
# 70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1		1
# 70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9,078		9,078
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,026		3,026
* 72000100	SIGN PANEL - TYPE 1	SQ FT	484		484
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	49		49
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	816		816

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE	STA.	TO STA.	F.A.U. RTE. 1596	SECTION 14-00031-00-RS 39WN(177)	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 4
			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 61E46		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% VILL
				ROADWAY 0005 URBAN
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	292	292
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26,706	26,706
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7,131	7,131
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	529	529
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,762	1,762
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	705	705
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5	5
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	5	5
* # 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3
* # 88600100	DETECTOR LOOP, TYPE I	FOOT	432	432
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	231	231
# Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	156	156
# Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	298	298
# Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	298	298
# Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2,686	2,686

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% VILL
				ROADWAY 0005 URBAN
# Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	84	84
# X0327584	GRADING AND SHAPING SHOULDERS, SPECIAL	FOOT	490	490
# X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	477	477
# X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7
# X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7
# X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	237	237
# X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	13	13
# X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	11	11

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

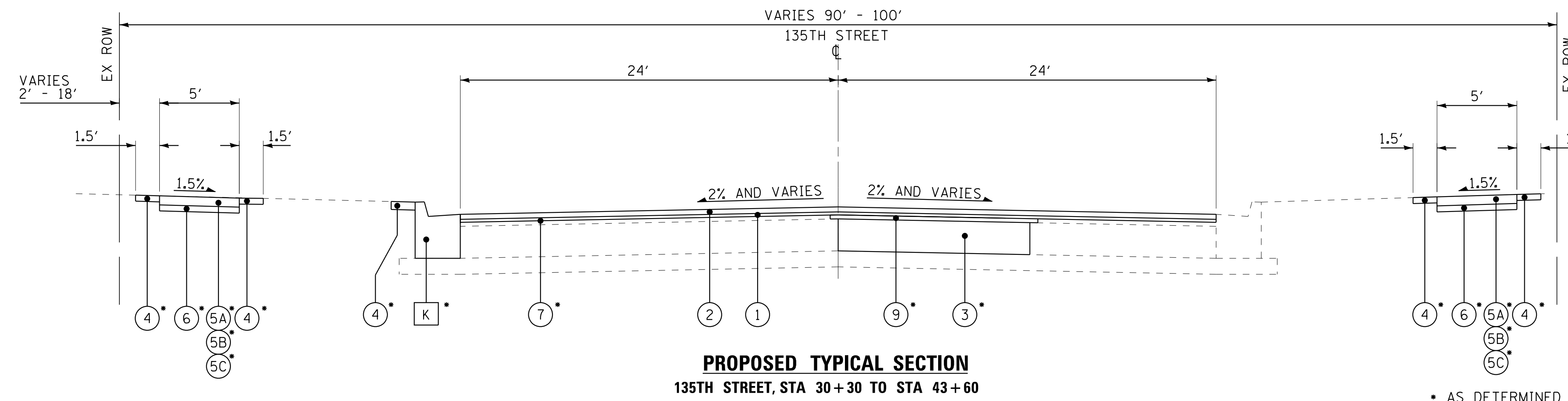
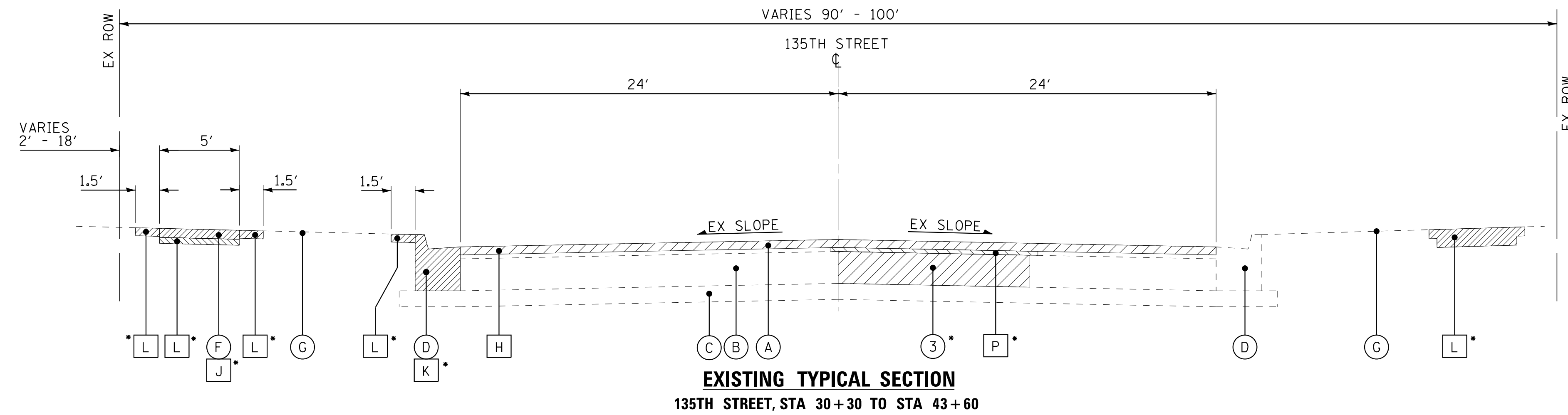
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LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
7/14/17 3/16/2018
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BAXTER & WOODMAN <small>Engineering & Construction</small>	DESIGNED - L.J.F.	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - T.M.S.	REVISED -
	DATE - 11-10-17	FILE - 13077ISHT_PH2-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE	STA. TO STA.	F.A.U. RTE. 1596	SECTION 14-00031-00-RS 39WN(177)	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 5
		FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 61E46		



EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (E) NOT-USED
- (F) EXISTING SIDEWALK
- (G) EXISTING GROUND SURFACE
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) SIDEWALK REMOVAL
- (K) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- (L) NON-SPECIAL WASTE DISPOSAL
- (M) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (N) PCC SURFACE REMOVAL - BUTT JOINT
- (O) NOT USED
- (P) HOT-MIX ASPHALT REMOVAL OVER PATCHES
- (Q) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", M70 - 1 1/2"
- (3) CLASS D PATCHES - 8"
- (4) TOPSOIL FURNISH AND PLACE SODDING, SALT TOLERANT FERTILIZER
- (5A) PCC SIDEWALK, 5"
- (5B) PCC SIDEWALK, 6" (THROUGH RESIDENTIAL DRIVEWAYS)
- (5C) PCC SIDEWALK, 8" (THROUGH COMMERCIAL DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (8) CLASS B PATCHES - 10"
- (9) HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

EXISTING PAVEMENT THICKNESS DATA						EXISTING PAVEMENT THICKNESS DATA					
CORE	STATION	OFFSET	HMA	PCC	BASE	CORE	STATION	OFFSET	HMA	PCC	BASE
C-1	29+00	LT	3.5	8	5.5	C-12	67+50	RT	2.75	8.75	3.5
C-2	29+00	RT	3.5	8.5	5	C-13	74+50	LT	2.25	9	11.75
C-3	34+50	LT	2.75	8.25	6	C-14	74+50	RT	2.25	8.5	5.25
C-4	35+50	RT	7.5	7	0	C-15	82+00	LT	3.5	8.75	7.75
C-5	42+00	RT	3	9	5	C-16	82+00	CL	4	9	4
C-6	45+00	LT	5.75	8.5	8.75	C-17	89+50	CL	3.75	9	7.25
C-7	52+00	LT	7.5	8.5	7	C-18	89+50	RT	3.5	8.25	9.25
C-8	54+25	RT	7.25	8	0	C-19	96+00	LT	3.25	9.25	0
C-9	59+00	LT	5.25	7.75	0	C-20	96+00	RT	2.75	8.5	8.75
C-10	61+00	RT	3	8.5	3.5	C-21	106+00	LT	3.25	10	7.75
C-11	66+00	LT	3.5	9	10.5	C-22	106+00	RT	2.75	8.75	5.5

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DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_P2-TypSec.dgn

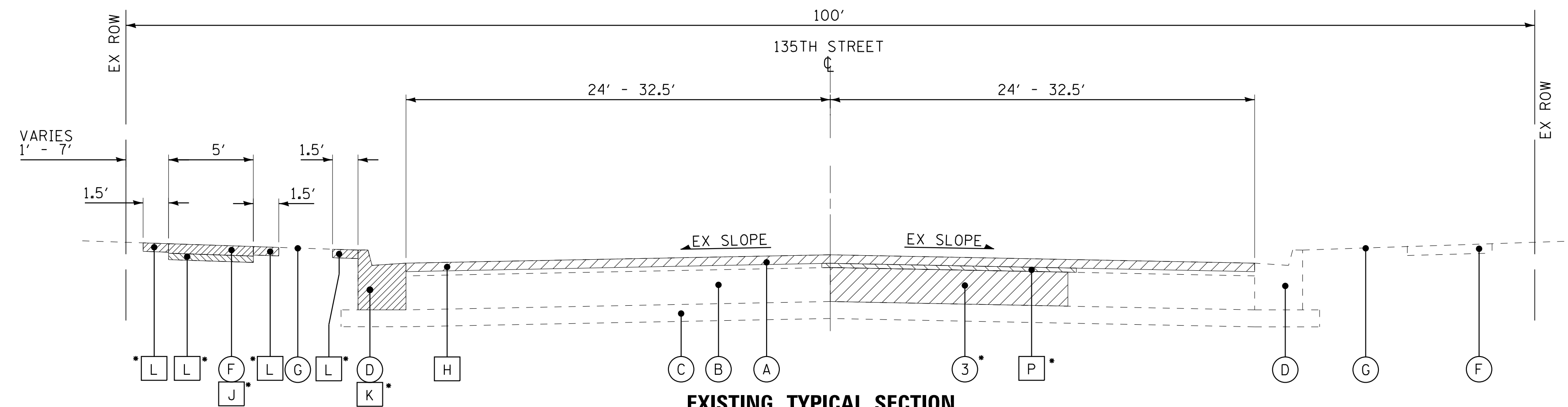
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

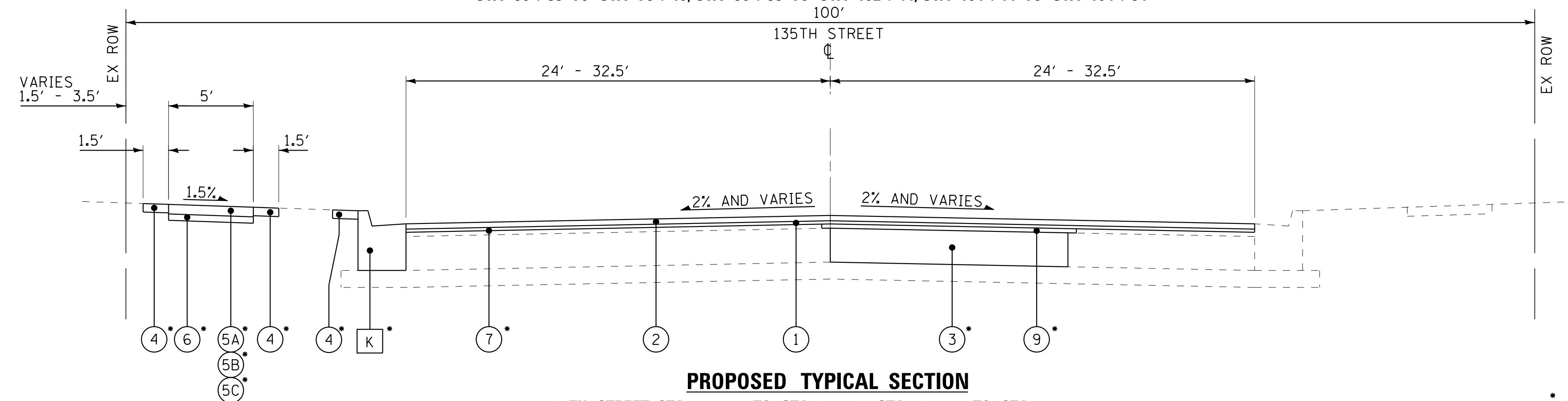
SCALE: NONE

STA. TO STA.

F.A.U. RTE. 1596	SECTION 14-00031-00-RS	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 6
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION
 135TH STREET, STA 25+57 TO STA 30+30, STA 43+60 TO STA 49+17,
 STA 50+83 TO STA 76+40, STA 90+39 TO STA 102+44, STA 104+14 TO STA 104+54



PROPOSED TYPICAL SECTION
 135TH STREET, STA 25+57 TO STA 30+30, STA 43+60 TO STA 49+17,
 STA 50+83 TO STA 76+40, STA 90+39 TO STA 102+44, STA 104+14 TO STA 104+54

• AS DETERMINED BY THE ENGINEER

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (E) NOT USED
- (F) EXISTING SIDEWALK
- (G) EXISTING GROUND SURFACE
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) SIDEWALK REMOVAL
- (K) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- (L) NON-SPECIAL WASTE DISPOSAL
- (M) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (N) PCC SURFACE REMOVAL - BUTT JOINT
- (O) NOT USED
- (P) HOT-MIX ASPHALT REMOVAL OVER PATCHES
- (Q) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", M70 - 1 1/2"
- (3) CLASS D PATCHES - 8"
- (4) TOPSOIL FURNISH AND PLACE SODDING, SALT TOLERANT FERTILIZER
- (5A) PCC SIDEWALK, 5"
- (5B) PCC SIDEWALK, 6" (THROUGH RESIDENTIAL DRIVEWAYS)
- (5C) PCC SIDEWALK, 8" (THROUGH COMMERCIAL DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (8) CLASS B PATCHES - 10"
- (9) HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; (IL 9.5mm); 1 1/2"	4% @ 50 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50; 3/4"	4% @ 50 Gyr.
DRIVEWAY PAVEMENT, 8"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) 6"	4% @ 50 Gyr.
DRIVEWAY PAVEMENT, 10"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) 8"	4% @ 50 Gyr.
PAVEMENT PATCHING	
CLASS D PATCHING (HMA BINDER IL-19mm)	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ
 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 DISTRICT ONE SPECIAL PROVISIONS.
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

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 LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
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DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT-PH2-TypSec.dgn

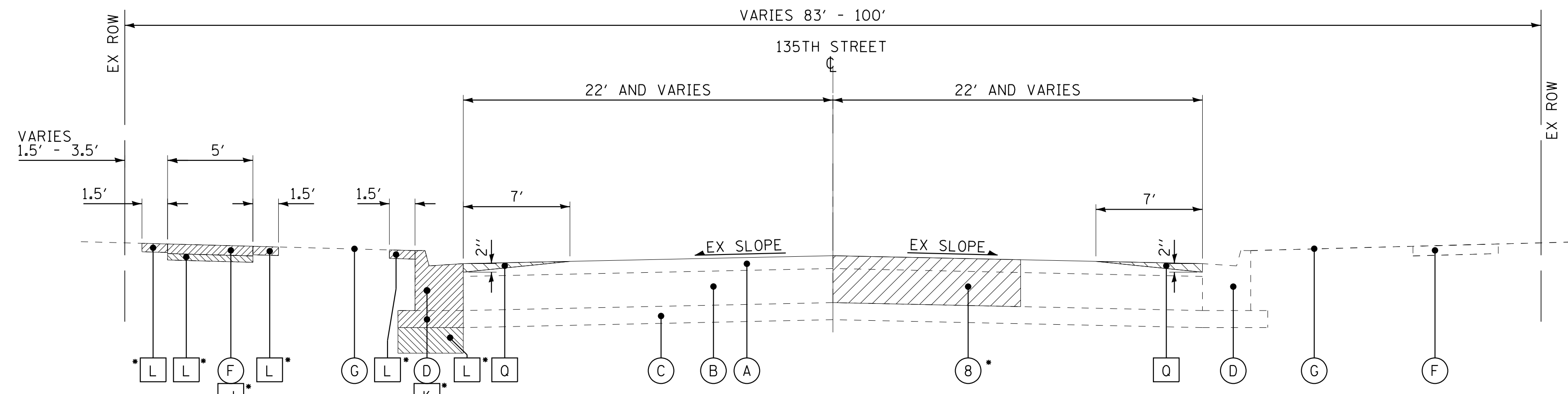
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS

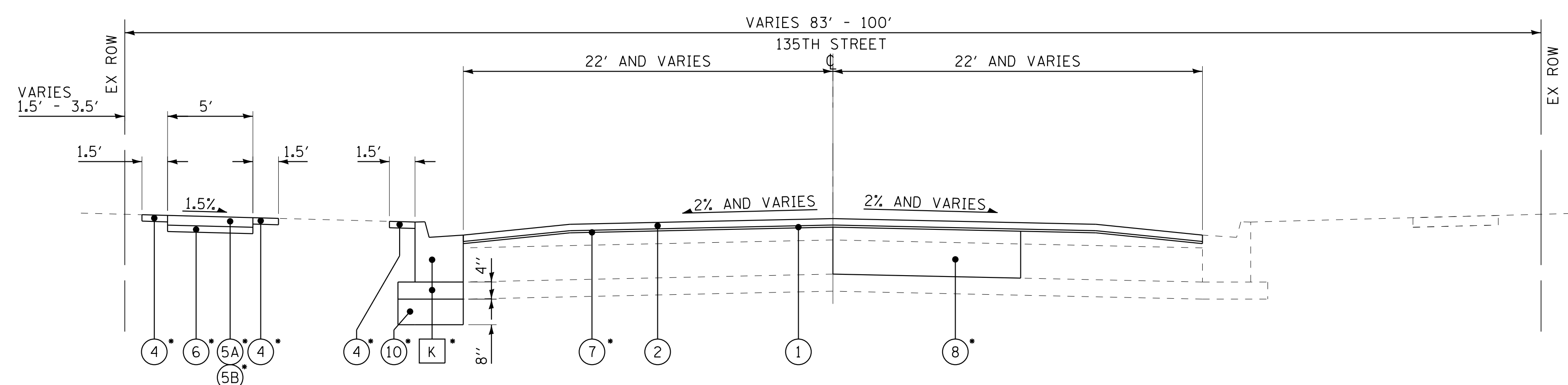
SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	7
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION
FOR PAVEMENT WITHOUT AN EXISTING HMA OVERLAY
STA 102+44 TO STA 102+98, STA 103+62 TO STA 104+14



PROPOSED TYPICAL SECTION
FOR PAVEMENT WITHOUT AN EXISTING HMA OVERLAY
STA 102+44 TO STA 102+98, STA 103+62 TO STA 104+14

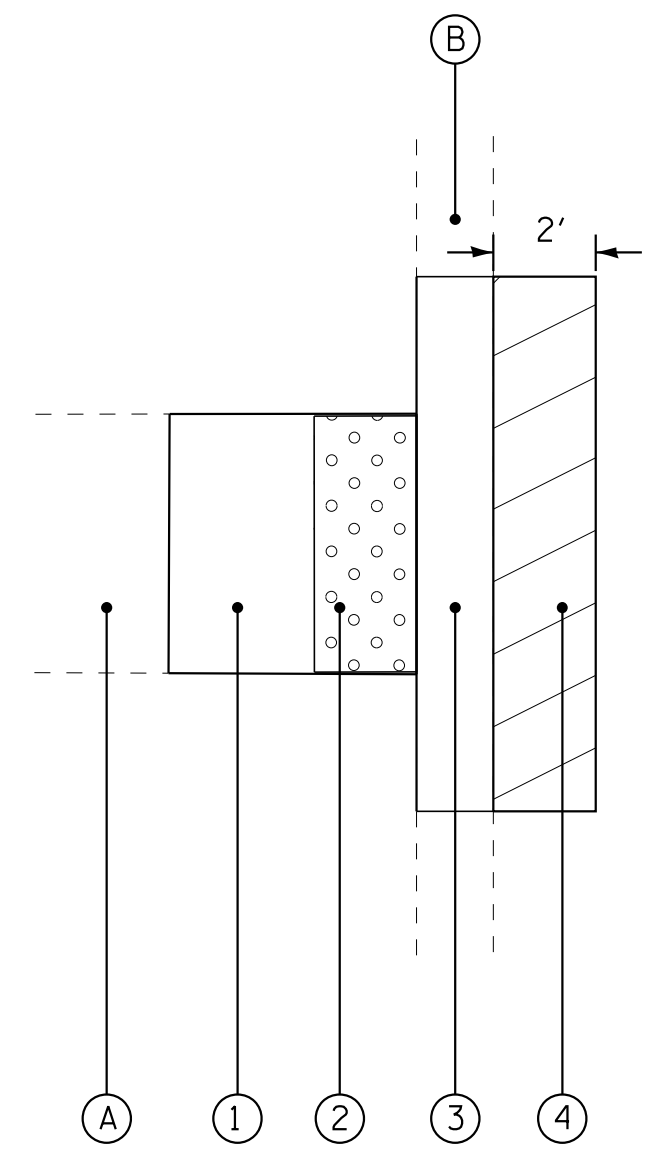
• AS DETERMINED BY THE ENGINEER

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (E) NOT USED
- (F) EXISTING SIDEWALK
- (G) EXISTING GROUND SURFACE
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) SIDEWALK REMOVAL
- (K) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- (L) NON-SPECIAL WASTE DISPOSAL
- (M) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (N) PCC SURFACE REMOVAL - BUTT JOINT
- (O) NOT USED
- (P) HOT-MIX ASPHALT REMOVAL OVER PATCHES
- (Q) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", M70 - 1 1/2"
- (3) CLASS D PATCHES - 8"
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- (5A) PCC SIDEWALK, 5"
- (5B) PCC SIDEWALK, 6" (THROUGH RESIDENTIAL DRIVEWAYS)
- (5C) PCC SIDEWALK, 8" (THROUGH COMMERCIAL DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS
- (8) CLASS B PATCHES - 10"
- (9) HOT-MIX ASPHALT REPLACEMENT OVER PATCHES
- (10) AGGREGATE BASE COURSE, TYPE B 8" (A TOTAL OF 12" OF AGGREGATE BASE COURSE IS REQUIRED UNDER CURB AND GUTTER ADJACENT TO PCC PAVEMENT WITHOUT HMA OVERLAY. THE FIRST 4 INCHES ARE INCLUDED IN C&G R&R, THE ADDITIONAL 8" ARE PAID FOR SEPARATELY)



INCIDENTAL HOT-MIX ASPHALT SURFACING DETAIL (PLAN VIEW)

EXISTING LEGEND

- (A) EXISTING SIDEWALK
- (B) EXISTING CURB AND GUTTER

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE SIDEWALK
- (2) DETECTABLE WARNINGS
- (3) PROPOSED CONCRETE CURB AND GUTTER
- (4) INCIDENTAL HOT-MIX ASPHALT SURFACING

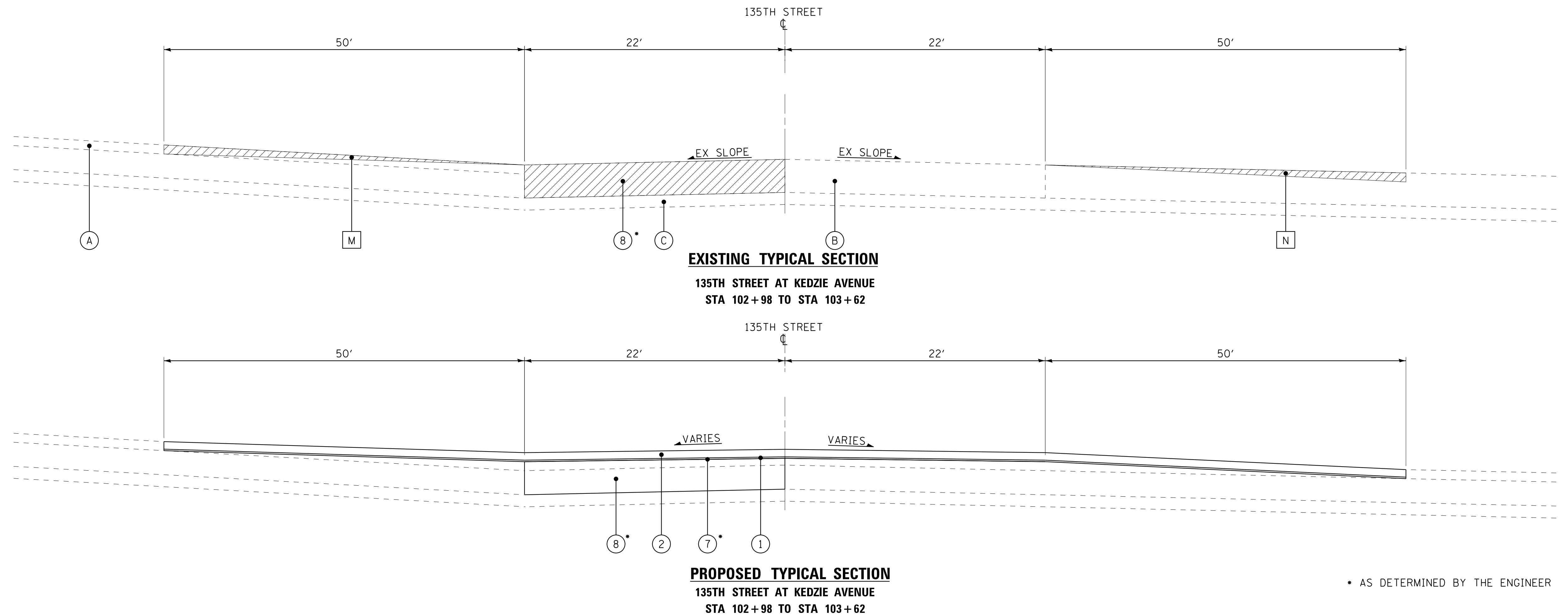
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - L.J.F.	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - TMS	REVISED -
	DATE - 11-10-17	FILE - 130771SHT-PH2-TypSec.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND INCIDENTAL HOT-MIX ASPHALT SURFACING DETAIL	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	8
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



• AS DETERMINED BY THE ENGINEER

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
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- (O) NOT USED
- (P) HOT-MIX ASPHALT REMOVAL OVER PATCHES
- (Q) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", M70 - 1 1/2"
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- (5A) PCC SIDEWALK, 5"
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- (7) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (8) CLASS B PATCHES - 10"
- (9) HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

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DATE - 11-10-17	FILE - 130771SHT-PH2-TypSec.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	9
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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SIGN SCHEDULE

STATION	OFFSET	72000100	72000100	NUMBER	DESCRIPTION	72400200	72800100
		SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 1			REMOVE SIGN PANEL ASSEMBLY - TYPE A EACH	TELESCOPING STEEL SIGN SUPPORT FOOT
		SQ FT	IN X IN				
26+62	55.6' LT	9	36 X 36	R1-1	STOP SIGN	1	15
28+74	30.3' RT	8	30 X 36	R2-1	SPEED LIMIT 40	1	15
29+92	50.8' LT	9	36 X 36	R1-1	STOP SIGN	1	15
30+26	49.4' RT	9	36 X 36	R1-1	STOP SIGN	1	15
30+83	32.4' LT	8	30 X 36	R3-5(R)	RIGHT TURN ONLY	1	15
33+21	54.3' LT	9	36 X 36	R1-1	STOP SIGN	1	15
36+67	32.4' LT	8	30 X 36	R2-1	SPEED LIMIT 40	1	15
36+67	45.1' RT	9	36 X 36	R1-1	STOP SIGN	1	15
39+82	50.4' LT	9	36 X 36	R1-1	STOP SIGN	1	15
43+10	50.4' LT	9	36 X 36	R1-1	STOP SIGN	1	15
43+46	49.8' RT	9	36 X 36	R1-1	STOP SIGN	1	15
46+63	50.4' LT	9	36 X 36	R1-1	STOP SIGN	1	15
47+76	39.0' LT	8	30 X 36	R2-1	SPEED LIMIT 40	1	15
51+81	42.9' RT	9	36 X 36	S4-5	SCHOOL SPEED LIMIT 20 AHEAD	1	15
53+26	50.3' LT	9	36 X 36	R1-1	STOP SIGN	1	15
53+51	43.7' RT	8	30 X 36	R2-1	SPEED LIMIT 35		15
55+77	39.0' RT	8	24 x 48	S4-100	SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT		15
55+77	35.0' LT	8	30 X 36	R2-1	SPEED LIMIT 35		18
		5	24 X 30	S5-2	END SCHOOL ZONE		
56+53	50.3' LT	9	36 X 36	R1-1	STOP SIGN	1	15
59+85	53.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
61+04	29.6' LT	8	24 x 48	S4-100	SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT		15
61+18	34.8' RT	8	30 X 36	R2-1	SPEED LIMIT 35		18
		5	24 X 30	S5-2	END SCHOOL ZONE	1	
63+16	50.6' LT	9	36 X 36	R1-1	STOP SIGN	1	15
63+57	42.1' RT	9	36 X 36	R1-1	STOP SIGN	1	15
65+04	30.6' LT	9	36 X 36	S4-5	SCHOOL SPEED LIMIT 20 AHEAD	1	15
66+50	49.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
66+90	51.3' RT	9	36 X 36	R1-1	STOP SIGN	1	15
69+84	49.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
70+20	51.3' RT	9	36 X 36	R1-1	STOP SIGN	1	15
71+44	26.6' RT	9	36 X 36	W3-1	STOP AHEAD	1	15
73+14	49.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
73+53	51.2' RT	9	36 X 36	R1-1	STOP SIGN	1	15
74+04	27.0' LT	8	30 X 36	R2-1	SPEED LIMIT 35	1	15
76+20	27.4' RT	9	36 X 36	R1-1	STOP SIGN	1	15
76+45	49.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
76+85	51.3' RT	9	36 X 36	R1-1	STOP SIGN	1	15
77+05	27.0' LT	9	36 X 36	R1-1	STOP SIGN	1	15
77+09	26.1' RT	8	30 X 36	R2-1	SPEED LIMIT 35		15
81+31	27.0' LT	9	36 X 36	W3-1	STOP AHEAD	1	15
81+89	40.4' RT	9	36 X 36	R1-1	STOP SIGN	1	15
83+13	49.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
85+14	36.6' RT	9	36 X 36	R1-1	STOP SIGN	1	15
86+47	49.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
89+78	39.6' LT	9	36 X 36	R1-1	STOP SIGN	1	15
90+20	36.5' RT	9	36 X 36	R1-1	STOP SIGN	1	15
93+09	37.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
93+53	38.3' RT	9	36 X 36	R1-1	STOP SIGN	1	15
96+43	37.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
96+81	51.3' RT	9	36 X 36	R1-1	STOP SIGN	1	15
98+64	29.7' RT	9	36 X 36	R3-7L	LEFT LANE MUST TURN LEFT	1	15
99+85	37.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
100+15	51.4' RT	9	36 X 36	R1-1	STOP SIGN	1	15
100+61	25.7' LT	8	30 X 36	R2-1	SPEED LIMIT 35	1	15
106+06	37.7' LT	9	36 X 36	R1-1	STOP SIGN	1	15
TOTALS		484				49	816

SIDEWALK SCHEDULE

STA.	TO STA.	42400200	42400300	42400410	44000600	42400800	35101600	35101800
		PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SIDEWALK REMOVAL	DETECTABLE WARNINGS	AGGREGATE BASE COURSE, TYPE B 4"	AGGREGATE BASE COURSE, TYPE B 6"
		SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ YD	SQ YD
25+57	26+83	45			45	10	5	
26+83	30+10	280			327	20	32	
30+10	33+39	1,368			291	40	152	
33+39	36+46	525			165	20	59	
36+46	40+00	310	30		340	20	38	
40+00	43+27	675	15		748	30	77	
43+27	46+54	400			518	30	45	
46+54	49+17	80			80	10	9	
50+83	53+47	100		1,020	1,120	10	12	114
53+47	56+74	1,670			1,670	20	186	
56+74	60+04	340		400	740	20	38	45
60+04	63+37	715			715	30	80	
63+37	66+69	1,270	150		1,420	80	158	
66+69	70+02	960	175		1,135	80	127	
70+02	73+35	670			670	80	75	
73+35	76+66	1,695	75		1,770	80	197	
76+66	83+32	2,465	100		2,565	70	285	
83+32	86+65	715		75	790	40	80	9
86+65	89+99	930	125		1,458	30	118	
89+99	93+31	2,285			2,320	40	254	
93+31	96+64	427	75		668	40	56	
96+64	99+97	1,496			1,655	30	167	
99+97	102+44	300			300	10	34	
104+14	106+26	810			810	10	90	
106+26	108+03	1,120		200	1,320	10	125	23
TOTALS		21,651	745	1,695	23,640	860	2,499	191

DRIVEWAY SCHEDULE

STATION	STATION	44000200	Z0004530	Z0004538	X4021000	X4022000
		DRIVEWAY PAVEMENT REMOVAL SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" SQ YD	TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH
25+57	26+83					
26+83	30+10					
30+10	33+39					
33+39	36+46					
36+46	40+00	11	11		1	
40+00	43+27	142	142			
43+27	46+54	67	67		1	
46+54	49+17					
50+83	53+47	225		225		3
53+47	56+74					
56+74	60+04	42		42		2
60+04	63+37	8	8		2	
63+37	66+69					
66+69	70+02					
70+02	73+35	28	28		1	
73+35	76+66	28	28		1	
76+66	83+32					
83+32	86+65					
86+65	89+99					
89+99	93+31	40	14	15	1	1
93+31	96+64					
96+64	99+97	7				
99+97	102+44					
104+14	106+26					
106+26	108+03	16		16		1
TOTALS		614	298	298	7	7



DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-S00.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF MATERIALS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	10
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PATCHING SCHEDULE

				CLASS B PATCHING							CLASS D PATCHING			HMA REMOVAL OVER PATCHES			HMA REPLACEMENT OVER PATCHES
STA	STA	HMA Surface Depth According to Cores	HMA Surface Removal	44200970 CLASS B PATCHES, TYPE II, 10 INCH SQ YD	44200974 CLASS B PATCHES, TYPE III, 10 INCH SQ YD	44200976 CLASS B PATCHES, TYPE IV, 10 INCH SQ YD	44201299 DOWEL BARS 1 1/2" EACH	44213200 SAW CUTS FOOT	44213204 TIE BARS 3/4" EACH	44213208 TIE BARS 1 1/4" EACH	44201741 CLASS D PATCHES, TYPE II, 8 INCH SQ YD	44201745 CLASS D PATCHES, TYPE III, 8 INCH SQ YD	44201747 CLASS D PATCHES, TYPE IV, 8 INCH SQ YD	44002205 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 1/4" SQ YD	44002212 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3" SQ YD	44002220 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5" SQ YD	40601005 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES TON
25+57	26+83	3.50	2.25	0	0	0	0	0	0	0	30	0	0	32	0	0	3
26+83	30+10	3.50	2.25	0	0	0	0	0	0	0	0	0	236	250	0	0	18
30+10	33+39	3.50	2.25	0	0	0	0	0	0	0	28	20	193	264	0	0	19
33+39	36+46	5.00	2.25	0	0	0	0	0	0	0	0	0	80	0	86	0	15
36+46	40+00	5.00	2.25	0	0	0	0	0	0	0	11	64	780	0	884	0	153
40+00	43+27	3.00	2.25	0	0	0	0	0	0	0	25	18	138	199	0	0	15
43+27	46+54	5.75	2.25	0	0	0	0	0	0	0	73	63	184	0	340	0	59
46+54	49+17	5.75	2.25	0	0	0	0	0	0	0	11	21	203	0	252	0	44
50+83	53+47	7.50	2.25	0	0	0	0	0	0	0	84	44	76	0	0	222	64
53+47	56+74	7.25	2.25	0	0	0	0	0	0	0	87	34	27	0	0	167	49
56+74	60+04	5.25	2.25	0	0	0	0	0	0	0	54	0	228	0	304	0	53
60+04	63+37	3.00	2.25	0	0	0	0	0	0	0	72	79	53	228	0	0	17
63+37	66+69	3.50	2.25	0	0	0	0	0	0	0	65	19	244	354	0	0	26
66+69	70+02	2.75	2.25	0	0	0	0	0	0	0	119	17	218	421	0	0	31
70+02	73+35	2.50	2.25	0	0	0	0	0	0	0	136	44	229	448	0	0	33
73+35	76+66	2.25	2.25	0	0	0	0	0	0	0	127	37	86	0	0	0	0
76+66	83+32	3.75	0.00	0	0	0	0	0	0	0	0	0	133	0	142	0	25
83+32	86+65	2.75	0.00	0	0	0	0	0	0	0	0	18	0	0	21	0	4
86+65	89+99	3.50	0.00	0	0	0	0	0	0	0	15	21	0	0	41	0	8
89+99	93+31	3.50	2.25	0	0	0	0	0	0	0	89	59	118	310	0	0	23
93+31	96+64	3.00	2.25	0	0	0	0	0	0	0	38	0	239	309	0	0	23
96+64	99+97	3.00	2.25	0	0	0	0	0	0	0	68	42	321	456	0	0	33
99+97	102+44	3.00	2.25	0	0	0	0	0	0	0	41	0	335	389	0	0	28
102+44	104+14	N/A	2.25	20	20	284	100	492	174	100	0	0	0	0	0	0	0
104+14	106+26	3.00	2.25	0	0	0	0	0	0	0	0	0	69	72	0	0	6
106+26	108+03	3.00	0.00	0	0	0	0	0	0	0	12	0	0	0	15	0	3
TOTAL 135TH STREET				20	20	284	100	492	174	100	1185	600	4190	3732	2085	389	752

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
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DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-S00.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF MATERIALS

SCALE: NONE

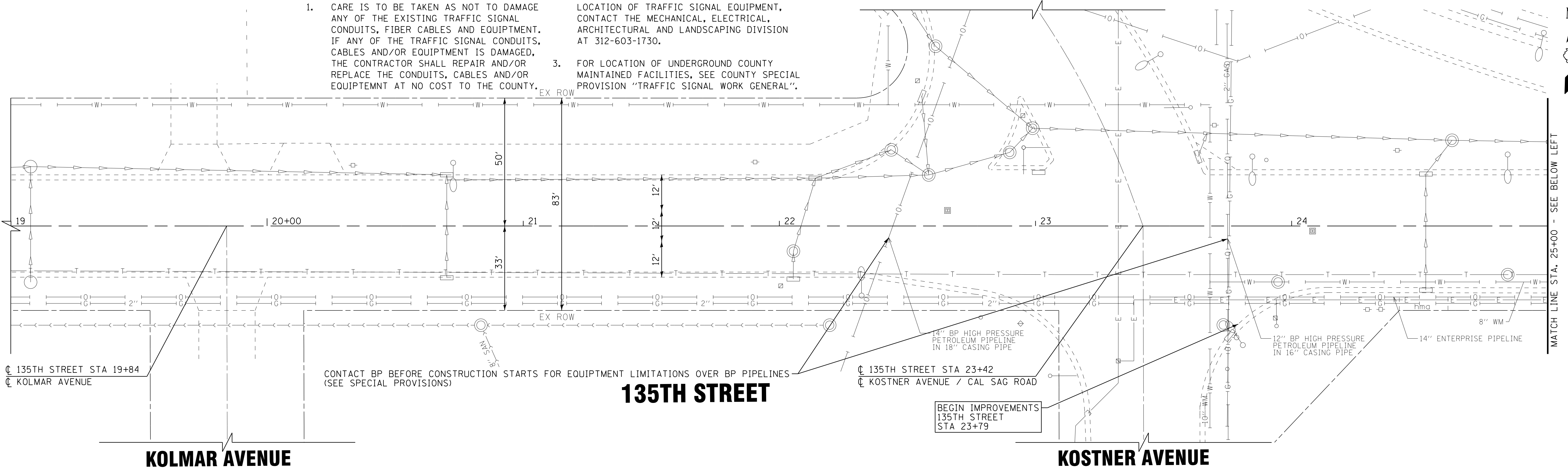
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	11
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL NOTES:

- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
- THE COUNTY IS NOT PART OF JULIE. FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1730.
- FOR LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".

CAL SAG ROAD



KOLMAR AVENUE

135TH STREET

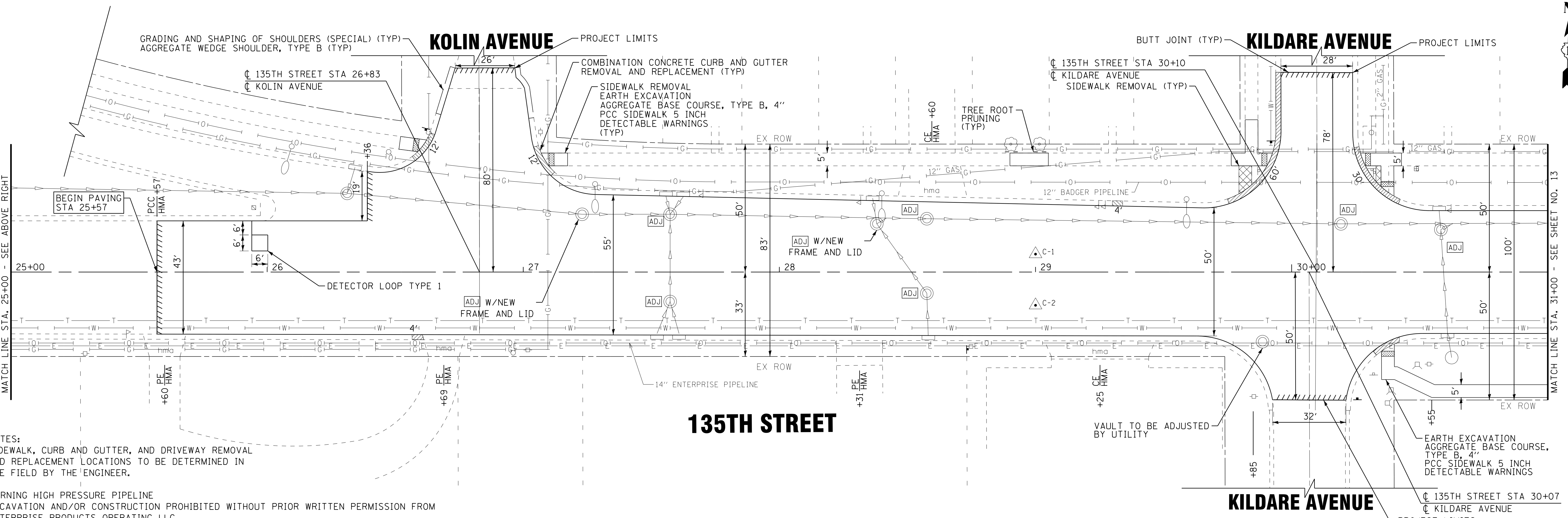
KOSTNER AVENUE

GRADING AND SHAPING OF SHOULDERS (SPECIAL) (TYP)
AGGREGATE WEDGE SHOULDER, TYPE B (TYP)

KOLIN AVENUE

COMBINATION CONCRETE CURB AND GUTTER
REMOVAL AND REPLACEMENT (TYP)

KILDARE AVENUE



BEGIN PAVING
STA 25+57

135TH STREET

KILDARE AVENUE

NOTES:
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL
AND REPLACEMENT LOCATIONS TO BE DETERMINED IN
THE FIELD BY THE ENGINEER.

WARNING HIGH PRESSURE PIPELINE
EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT PRIOR WRITTEN PERMISSION FROM
ENTERPRISE PRODUCTS OPERATING LLC



DESIGNED	- LJF	REVISED	-
DRAWN	- KAR	REVISED	-
CHECKED	- TMS	REVISED	-
DATE	- 11-10-17	FILE	- 130771SHT_PH2-Plan1.dgn

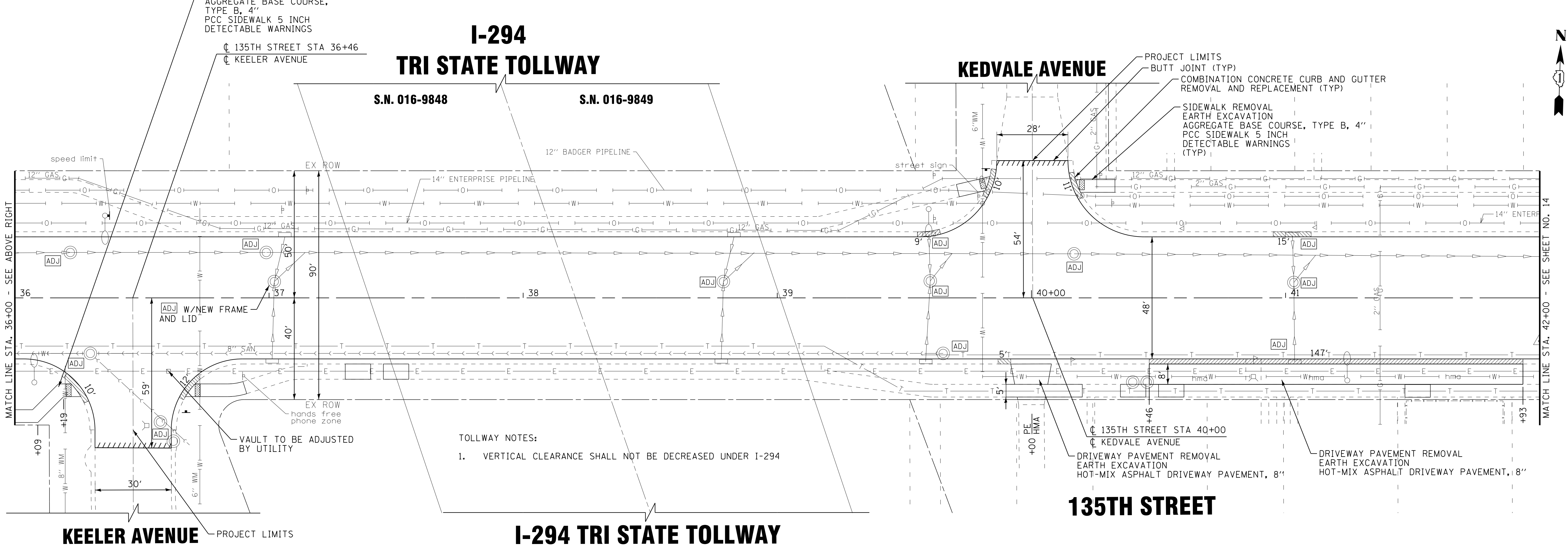
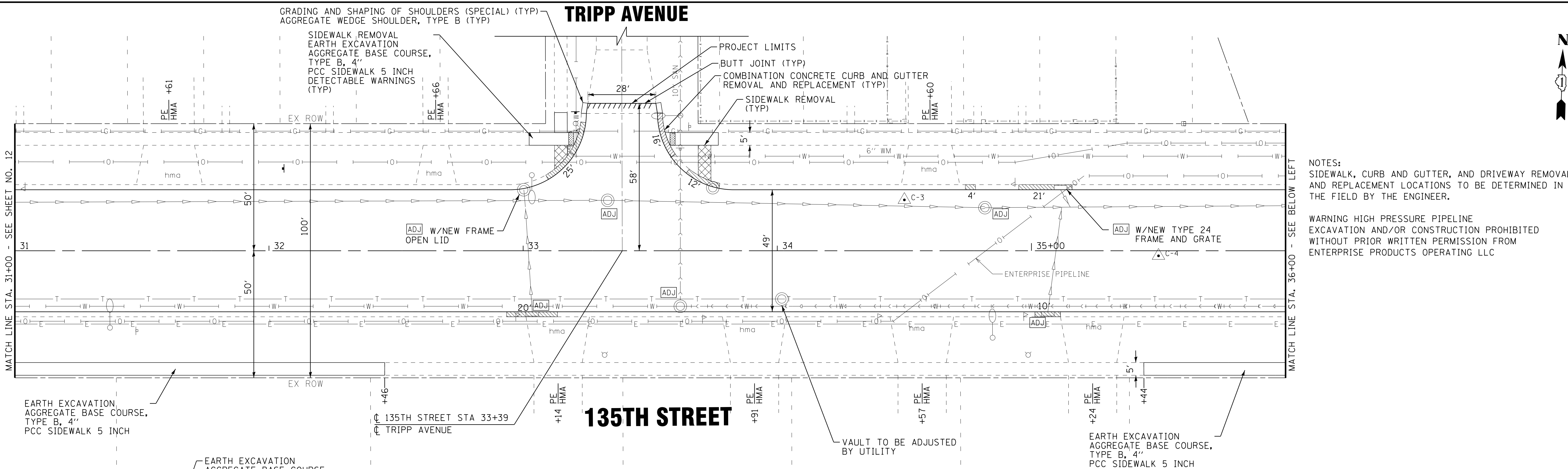
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20' STA. 19+00 TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	12
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00121 - EXPIRES 4/30/2017
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NOTES:
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL AND REPLACEMENT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

WARNING HIGH PRESSURE PIPELINE EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT PRIOR WRITTEN PERMISSION FROM ENTERPRISE PRODUCTS OPERATING LLC

TOLLWAY NOTES:
1. VERTICAL CLEARANCE SHALL NOT BE DECREASED UNDER I-294

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - L.JF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-Plan2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

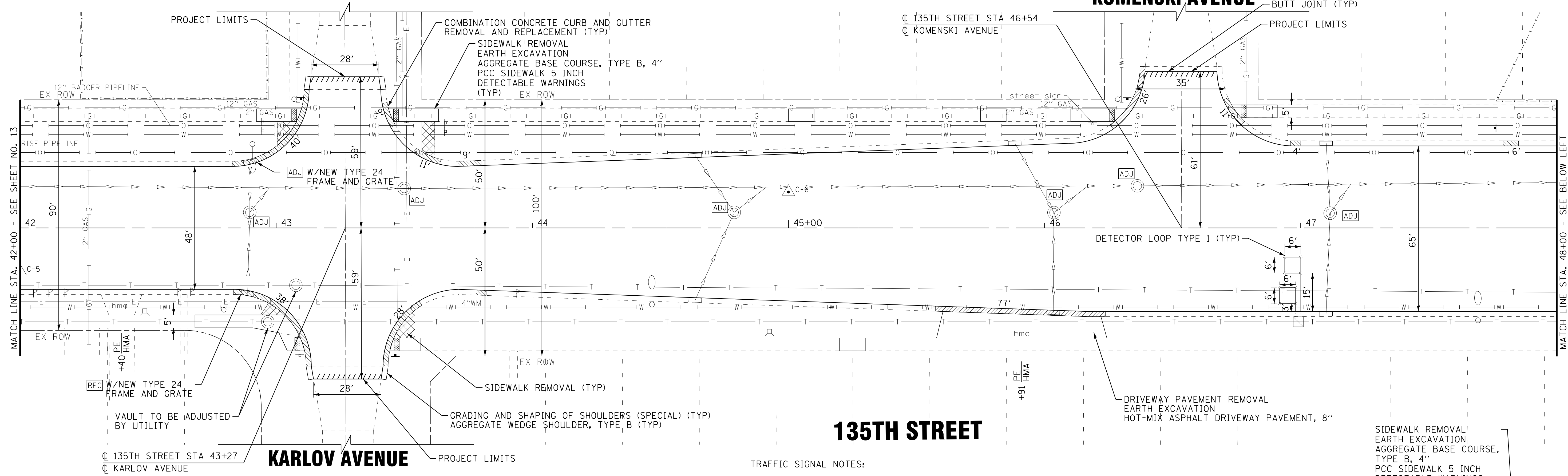
ROADWAY PLAN - 135TH STREET
SCALE: 1" = 20'
STA. 31+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	13
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00123 - EXPIRES 4/30/2017 3/16/2018
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KARLOV AVENUE

KOMENSKI AVENUE



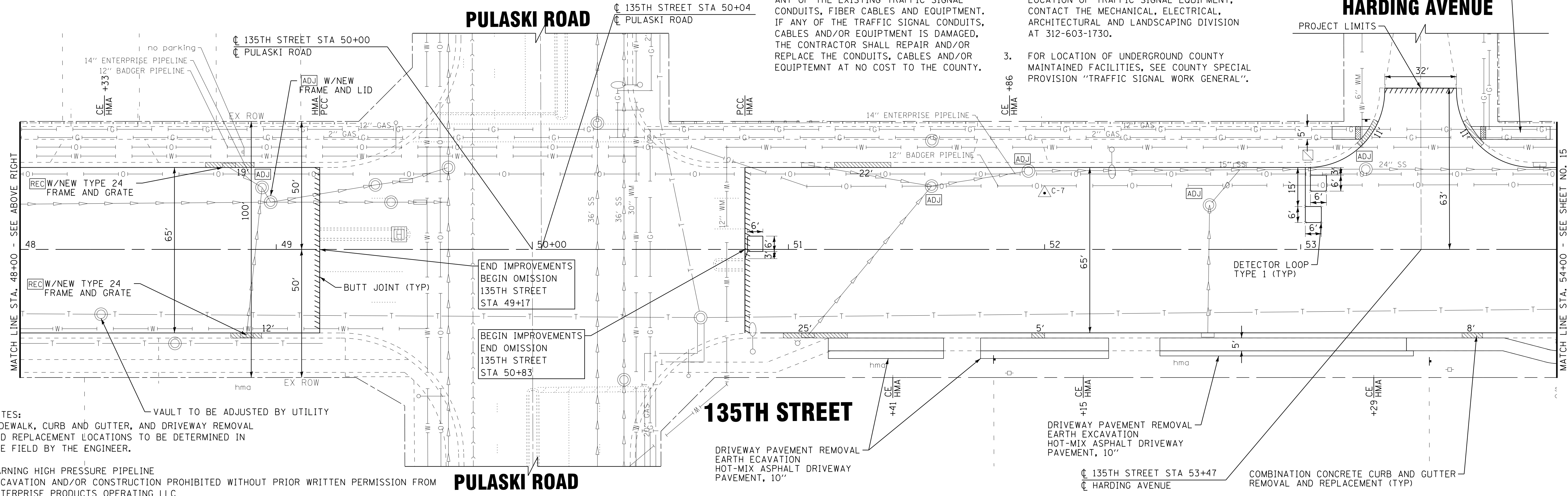
135TH STREET

TRAFFIC SIGNAL NOTES:

- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
- THE COUNTY IS NOT PART OF JULIE. FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1730.
- FOR LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".

PULASKI ROAD

HARDING AVENUE



135TH STREET

NOTES:
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL AND REPLACEMENT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

WARNING HIGH PRESSURE PIPELINE EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT PRIOR WRITTEN PERMISSION FROM ENTERPRISE PRODUCTS OPERATING LLC

PULASKI ROAD



DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - T.M.S.	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-Plan3.dgn

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

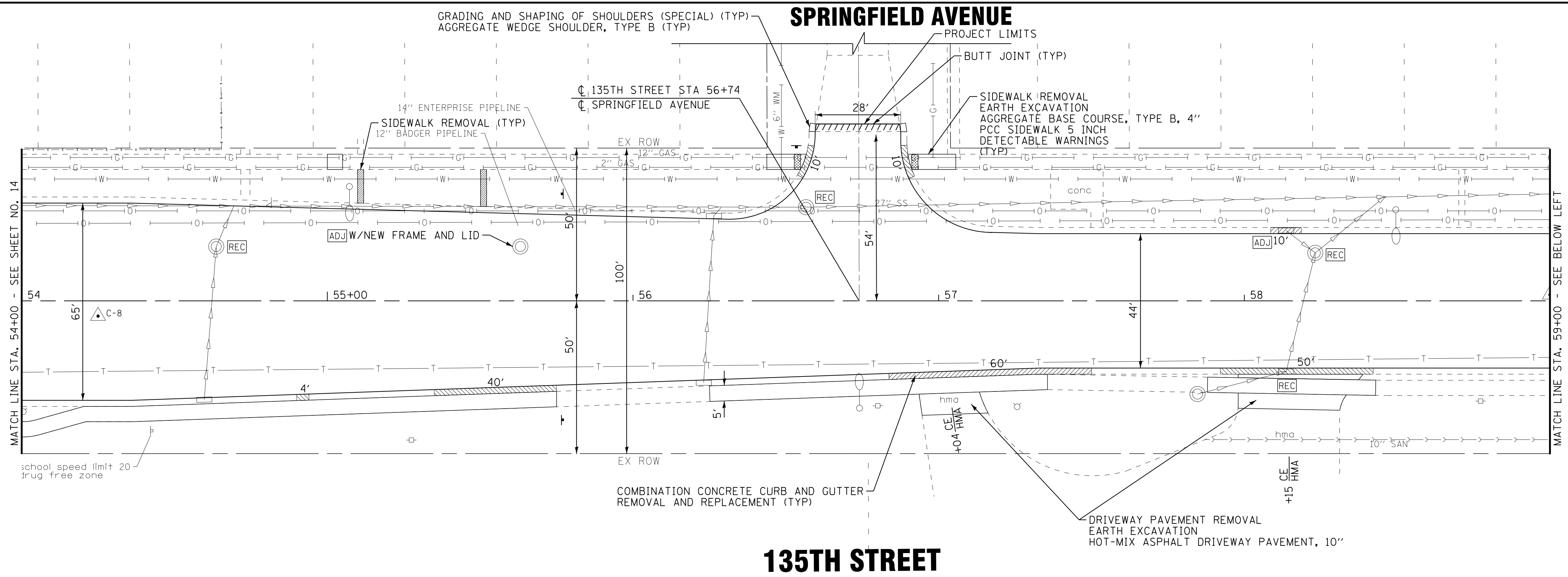
ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20'

STA. 42+00 TO STA. 54+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	14
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

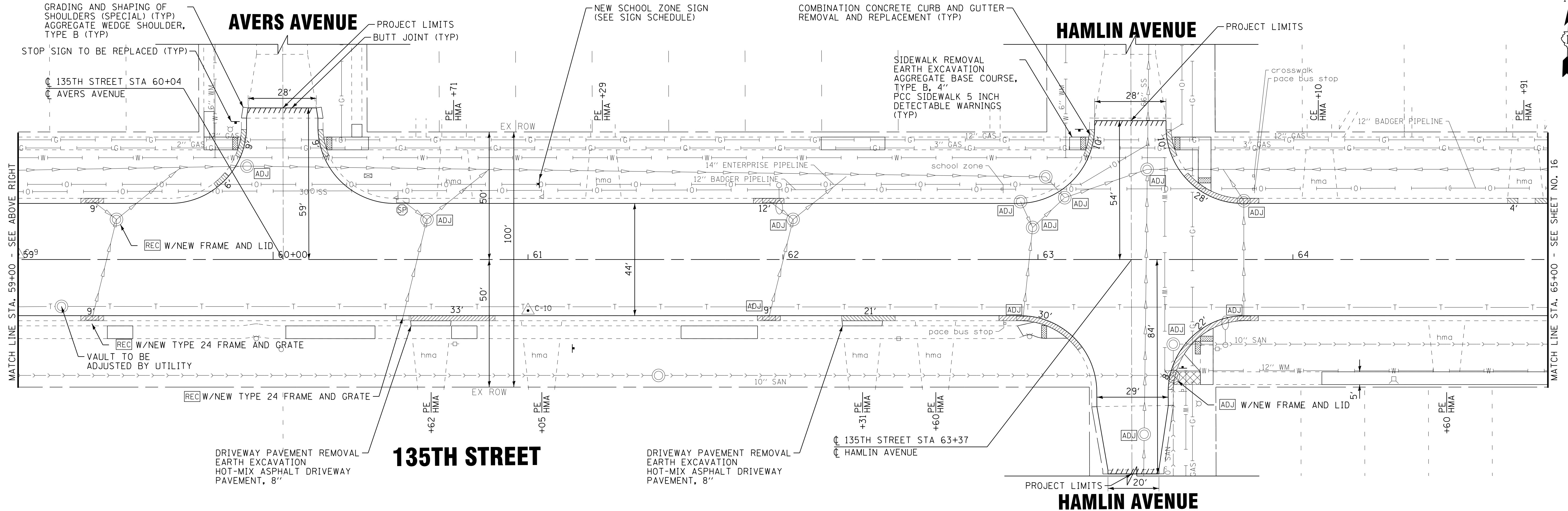
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NOTES:
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL AND REPLACEMENT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

WARNING HIGH PRESSURE PIPELINE
EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT PRIOR WRITTEN PERMISSION FROM ENTERPRISE PRODUCTS OPERATING LLC

135TH STREET



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20'

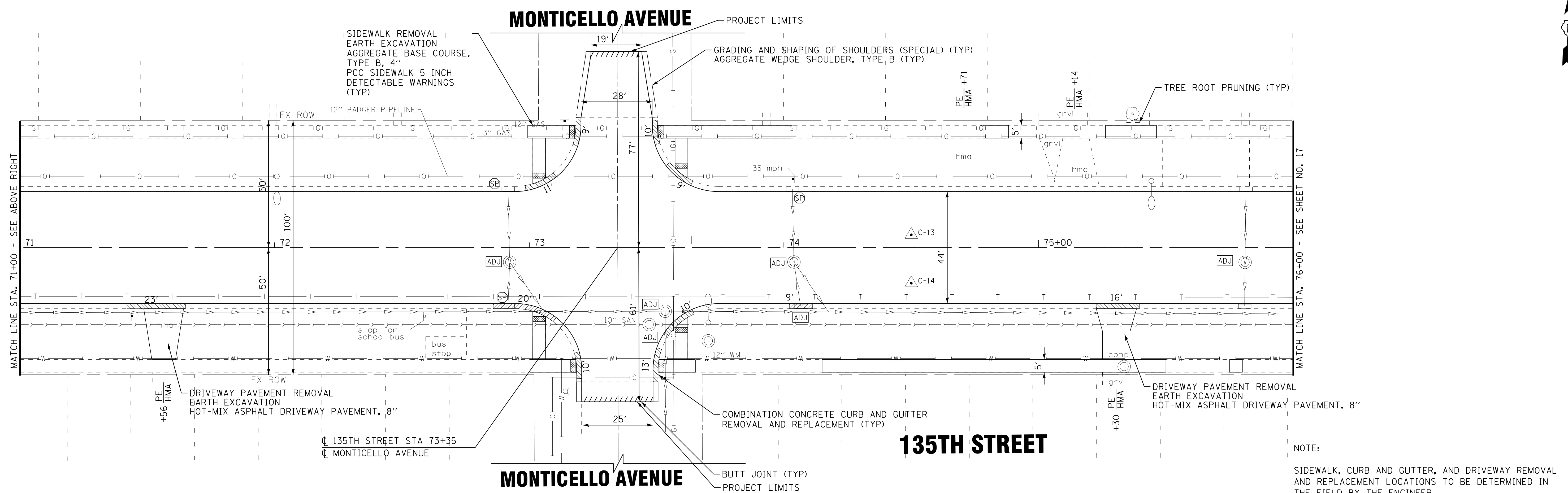
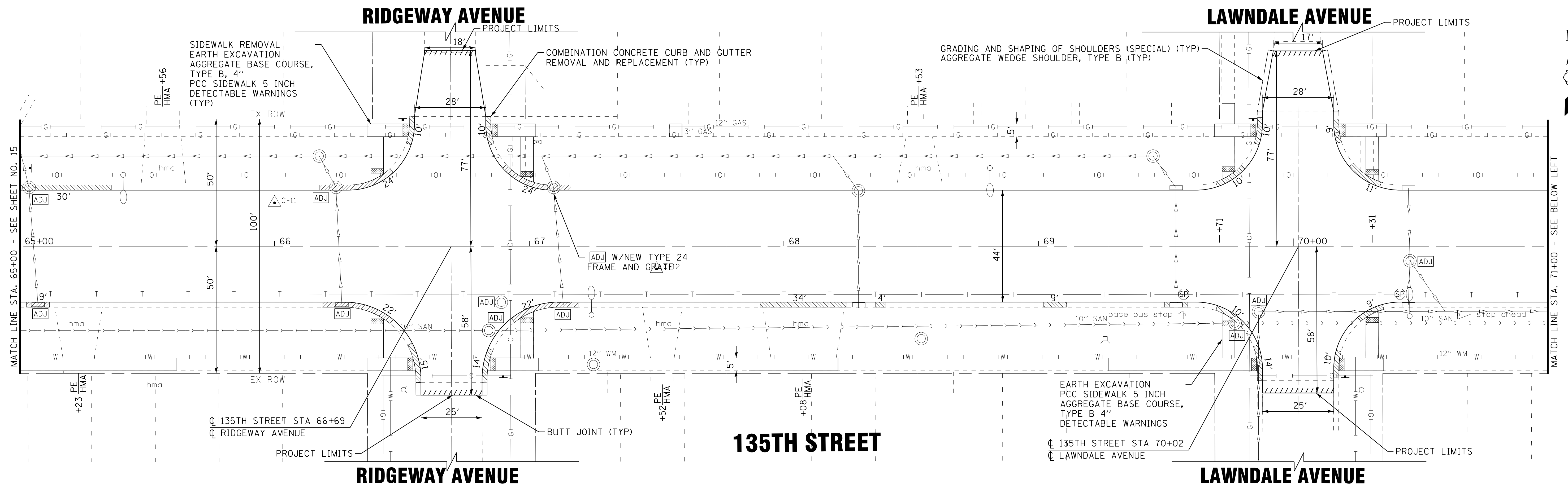
STA. 54+00 TO STA. 65+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	15
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-Plan4.dgn

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00121 - EXPIRES 4/30/2017 3/16/2018 940J5 AM 744JF
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NOTE:
 SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL AND REPLACEMENT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - LJF	REVISED -
DRAWN - KAR	REVISED -
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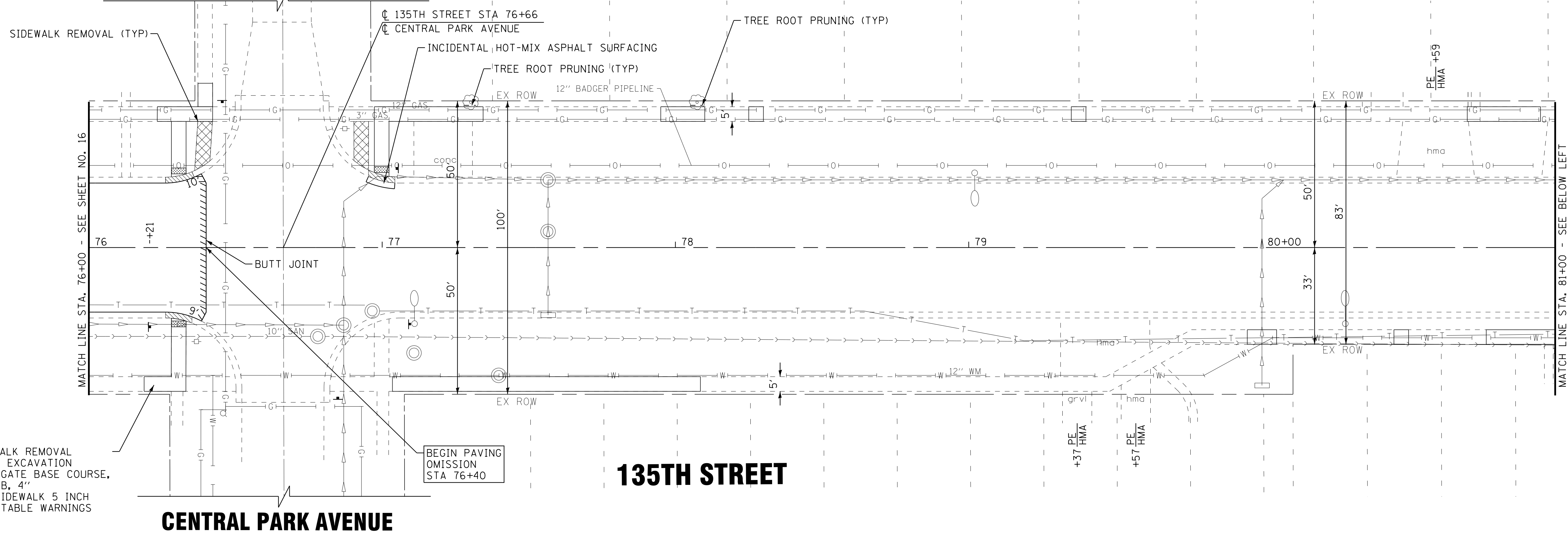
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20'
 STA. 65+00 TO STA. 76+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	16
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CENTRAL PARK AVENUE



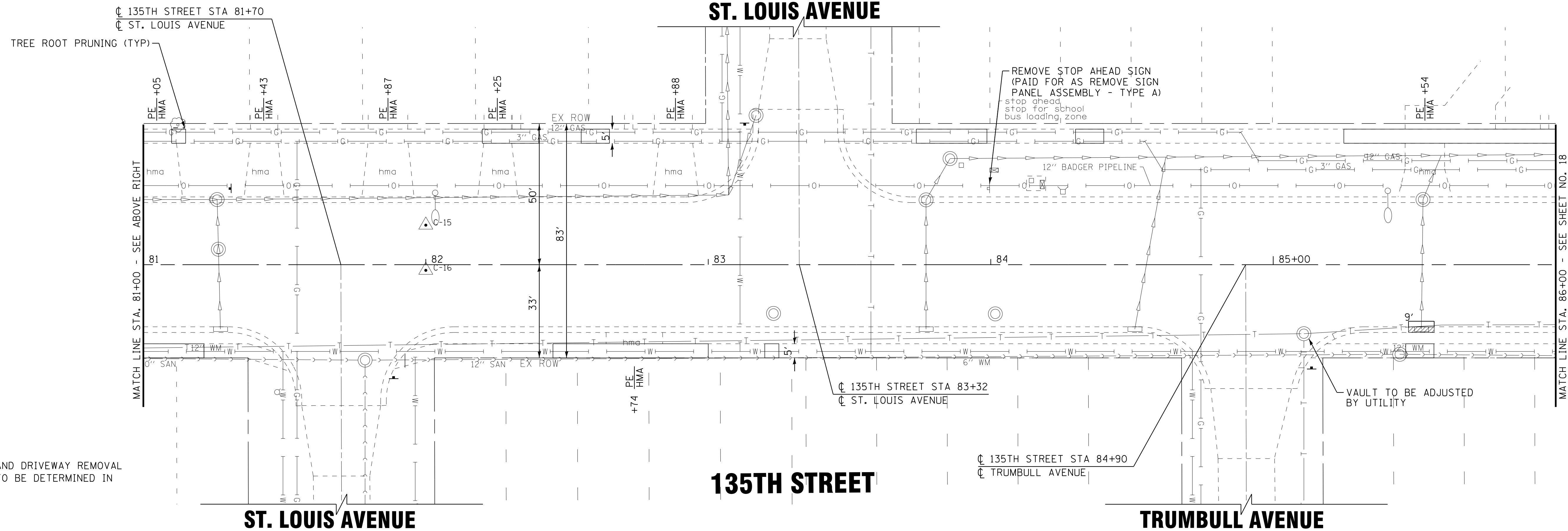
SIDEWALK REMOVAL
EARTH EXCAVATION
AGGREGATE BASE COURSE,
TYPE B, 4"
PCC SIDEWALK 5 INCH
DETECTABLE WARNINGS
(TYP)

BEGIN PAVING
OMISSION
STA 76+40

135TH STREET

CENTRAL PARK AVENUE

ST. LOUIS AVENUE



REMOVE STOP AHEAD SIGN
(PAID FOR AS REMOVE SIGN
PANEL ASSEMBLY - TYPE A)

135TH STREET STA 84+90
TRUMBULL AVENUE

VAULT TO BE ADJUSTED
BY UTILITY

135TH STREET

ST. LOUIS AVENUE

TRUMBULL AVENUE

NOTE:
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL
AND REPLACEMENT LOCATIONS TO BE DETERMINED IN
THE FIELD BY THE ENGINEER.

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - L/JF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-Plan6.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20'

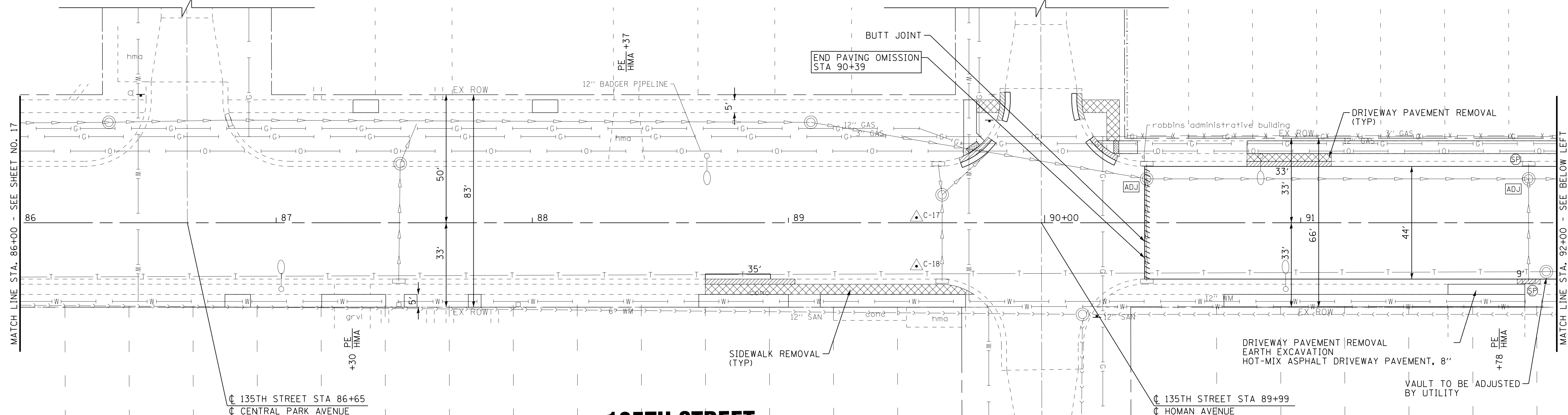
STA. 76+00 TO STA. 86+00

F.A.U. RTE. 1596	SECTION 14-00031-00-RS	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 17
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
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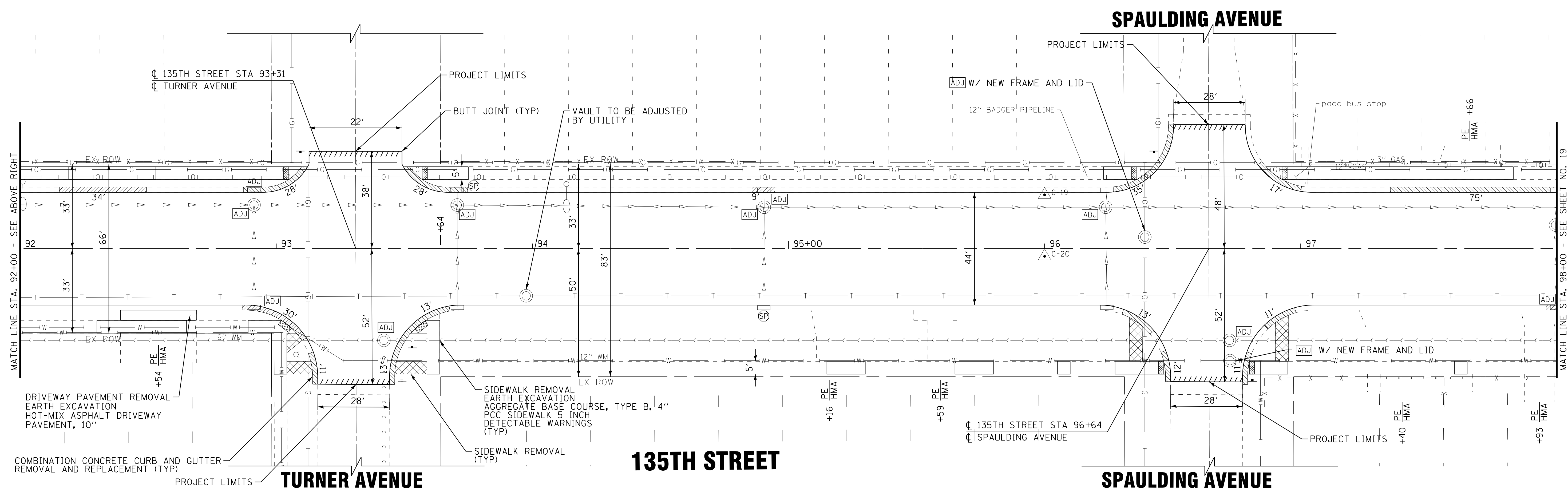
TRUMBULL AVENUE

HOMAN AVENUE



NOTE:
SIDEWALK, CURB AND CUTTER, AND DRIVEWAY REMOVAL AND REPLACEMENT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

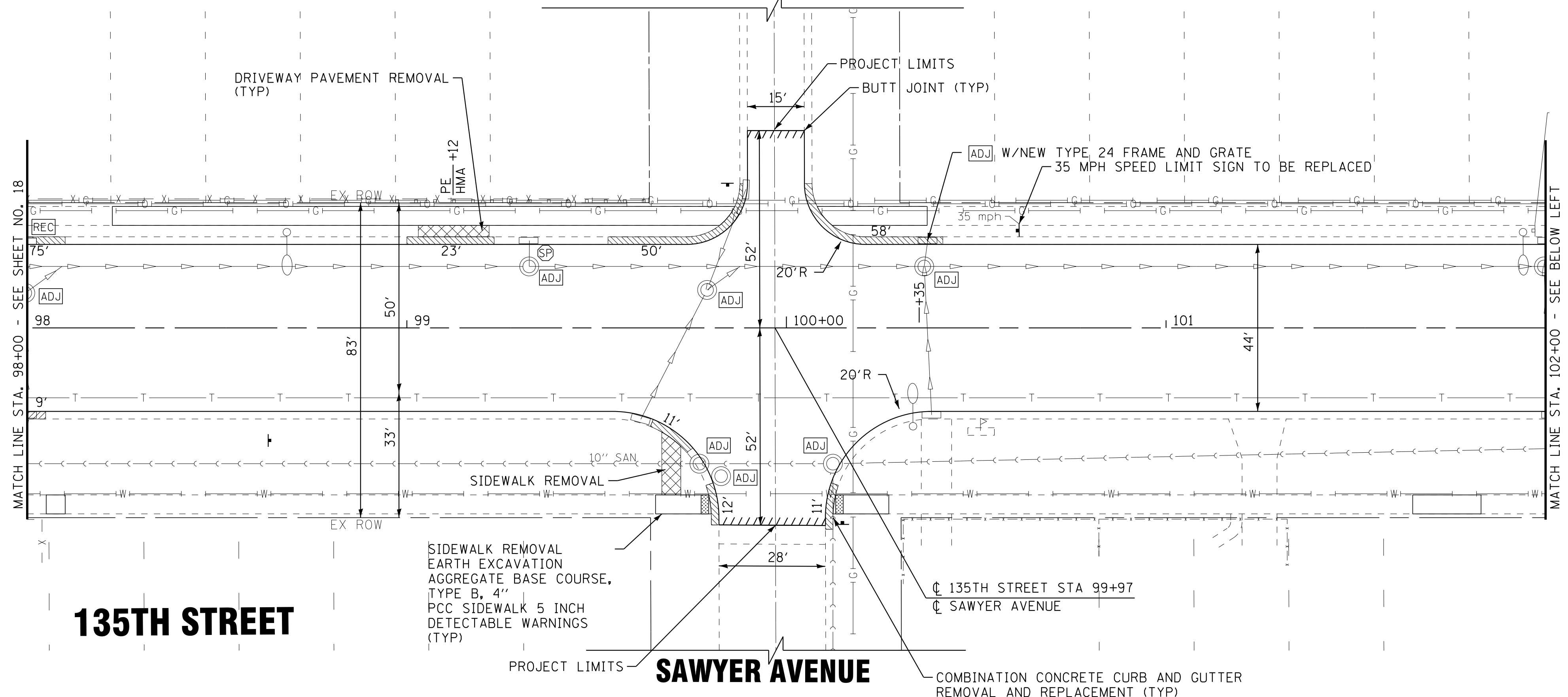
135TH STREET



135TH STREET

	DESIGNED - L.J.F.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN - 135TH STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - KAR	REVISED -				1596	14-00031-00-RS	COOK	45	18
	CHECKED - TMS	REVISED -		SCALE: 1" = 20'		39WN(177)		CONTRACT NO. 61E46		
	DATE - 11-10-17	FILE - 130771SHT_PH2-Plan7.dgn		STA. 86+00 TO STA. 98+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SAWYER AVENUE



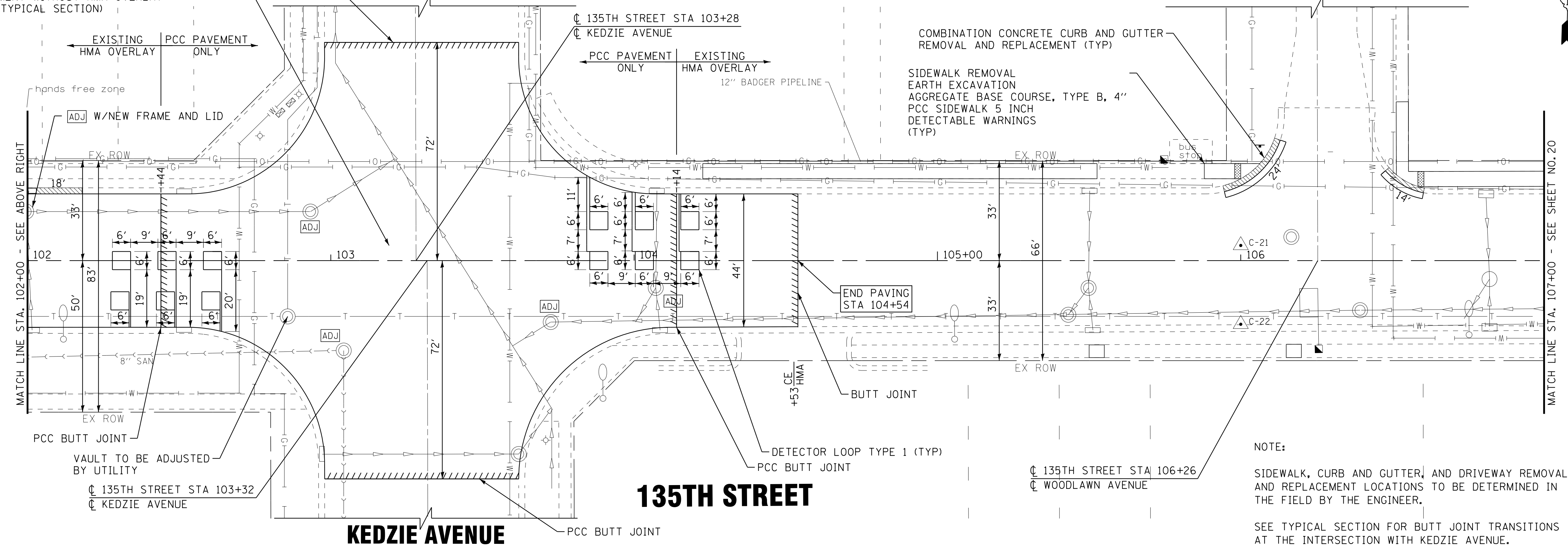
135TH STREET

SAWYER AVENUE

USE CLASS B PATCHES AND NO HMA REMOVAL OR REPLACEMENT OVER PATCHES ON PCC PAVEMENT WITHOUT HMA OVERLAY (SEE TYPICAL SECTION)

KEDZIE AVENUE

WOODLAWN AVENUE



MATCH LINE STA. 102+00 - SEE ABOVE RIGHT

MATCH LINE STA. 107+00 - SEE SHEET NO. 20

- TRAFFIC SIGNAL NOTES:**
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
 - THE COUNTY IS NOT PART OF JULIE. FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1730.
 - FOR LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".

NOTE:
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY REMOVAL AND REPLACEMENT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
SEE TYPICAL SECTION FOR BUTT JOINT TRANSITIONS AT THE INTERSECTION WITH KEDZIE AVENUE.

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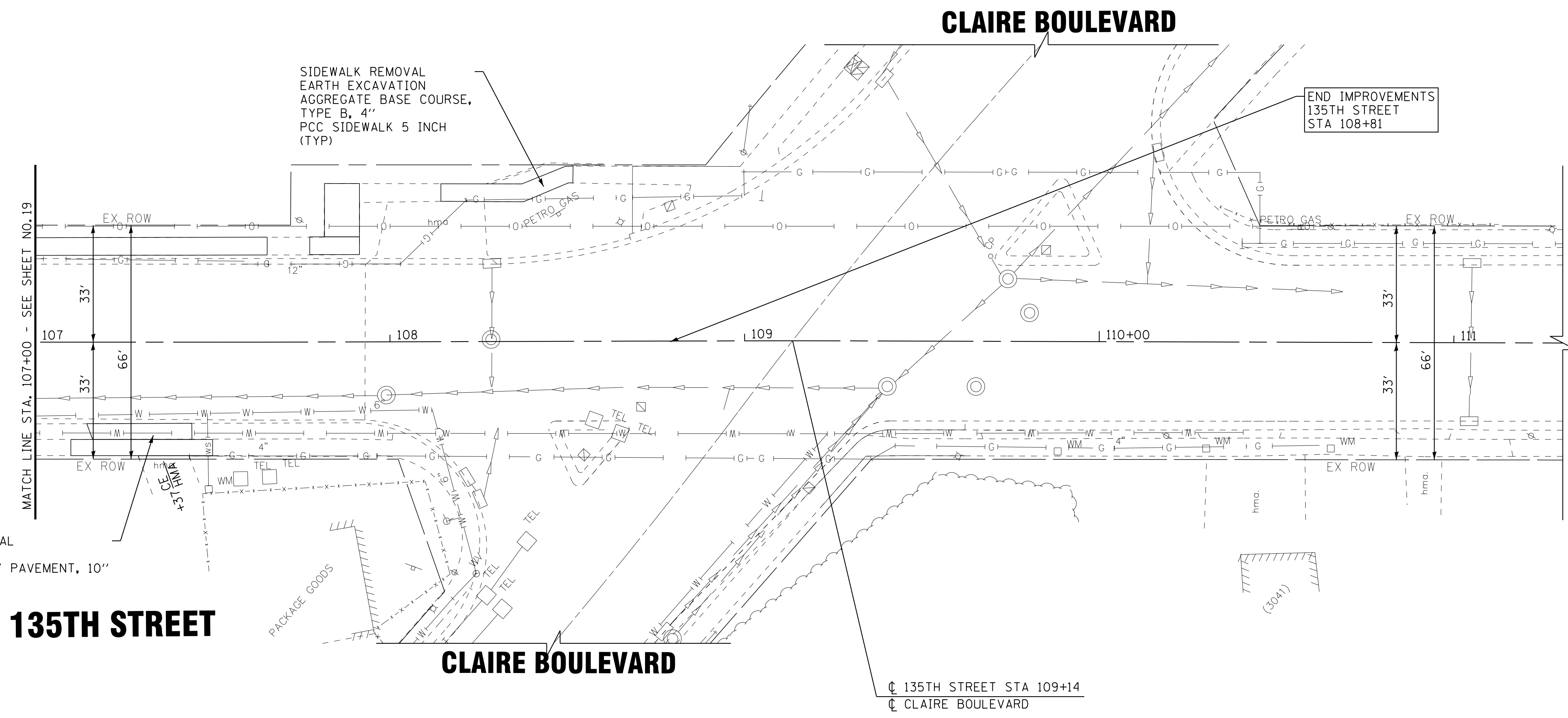
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20'
STA. 98+00 TO STA. 107+00

F.A.U. RTE. 1596	SECTION 14-00031-00-RS	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 19
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DRIVEWAY PAVEMENT REMOVAL
EARTH EXCAVATION
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"

135TH STREET

CLAIRE BOULEVARD

☐ 135TH STREET STA 109+14
☐ CLAIRE BOULEVARD

- TRAFFIC SIGNAL NOTES:
1. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
 2. THE COUNTY IS NOT PART OF JULIE. FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1730.
 3. FOR LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

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DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-Plan9.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - 135TH STREET

SCALE: 1" = 20'

STA. 107+00 TO STA. 111+31

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	20
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CAL SAG ROAD

135TH STREET

KOLMAR AVENUE

KOSTNER AVENUE

KOLIN AVENUE

KILDARE AVENUE

135TH STREET

KILDARE AVENUE

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - L/JF	REVISED -
	DRAWN - KAR	REVISED -
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	DATE - 11-10-17	FILE - 130771SHT_PH2-PM1.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

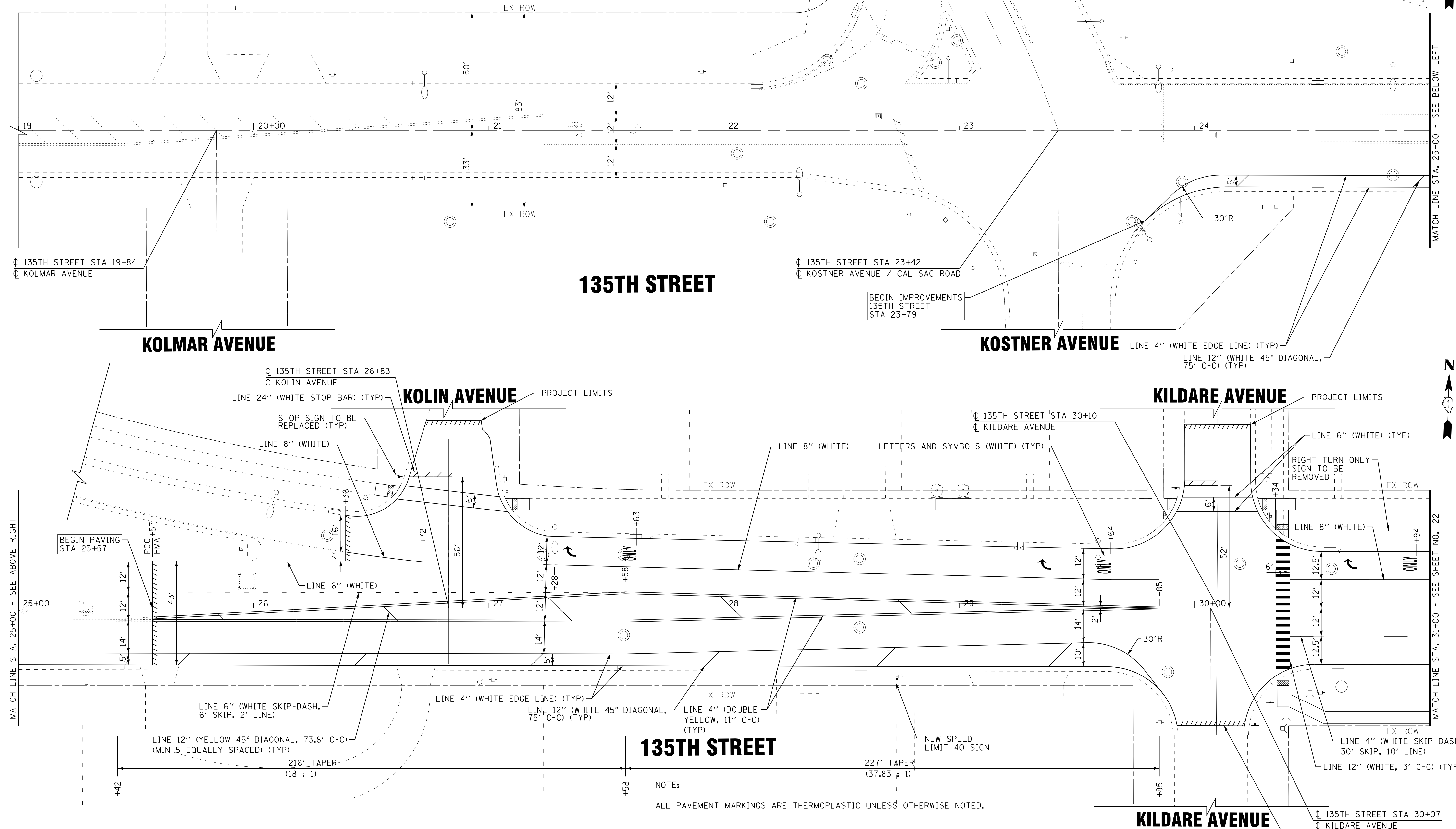
**PAVEMENT MARKING AND SIGNAGE PLAN
 - 135TH STREET**

SCALE: 1" = 20'

STA. 19+00 TO STA. 31+00

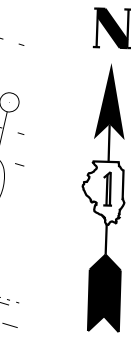
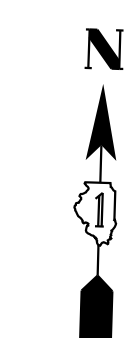
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39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

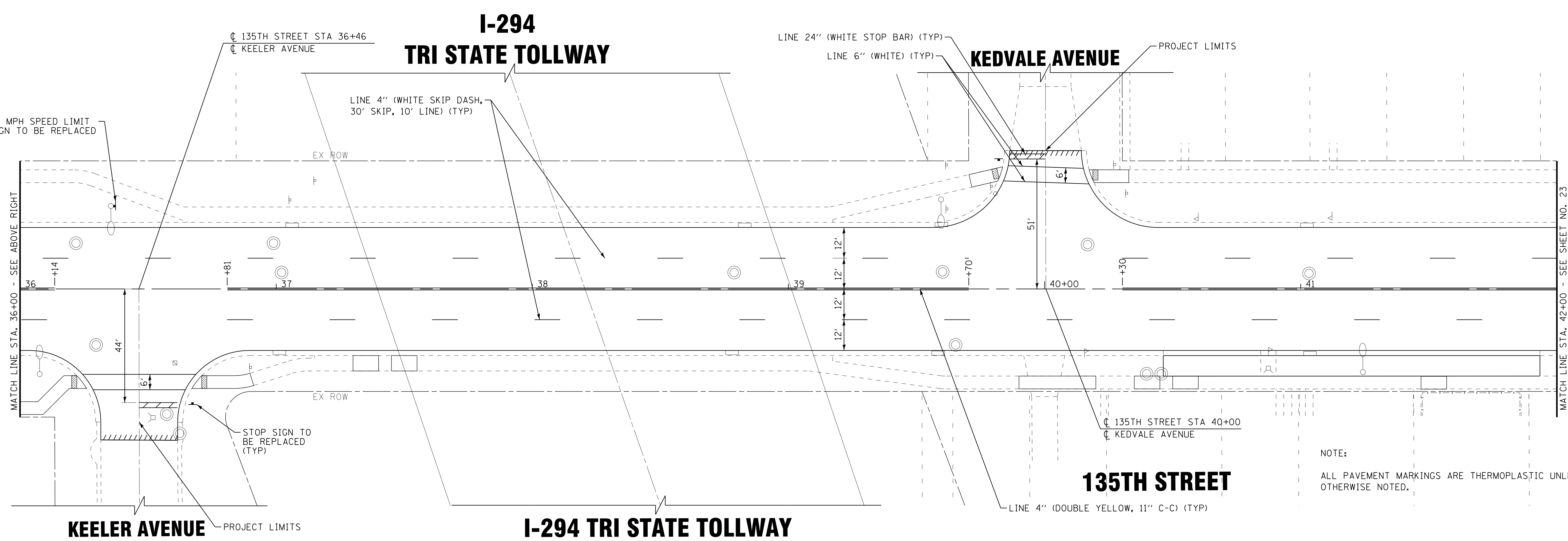
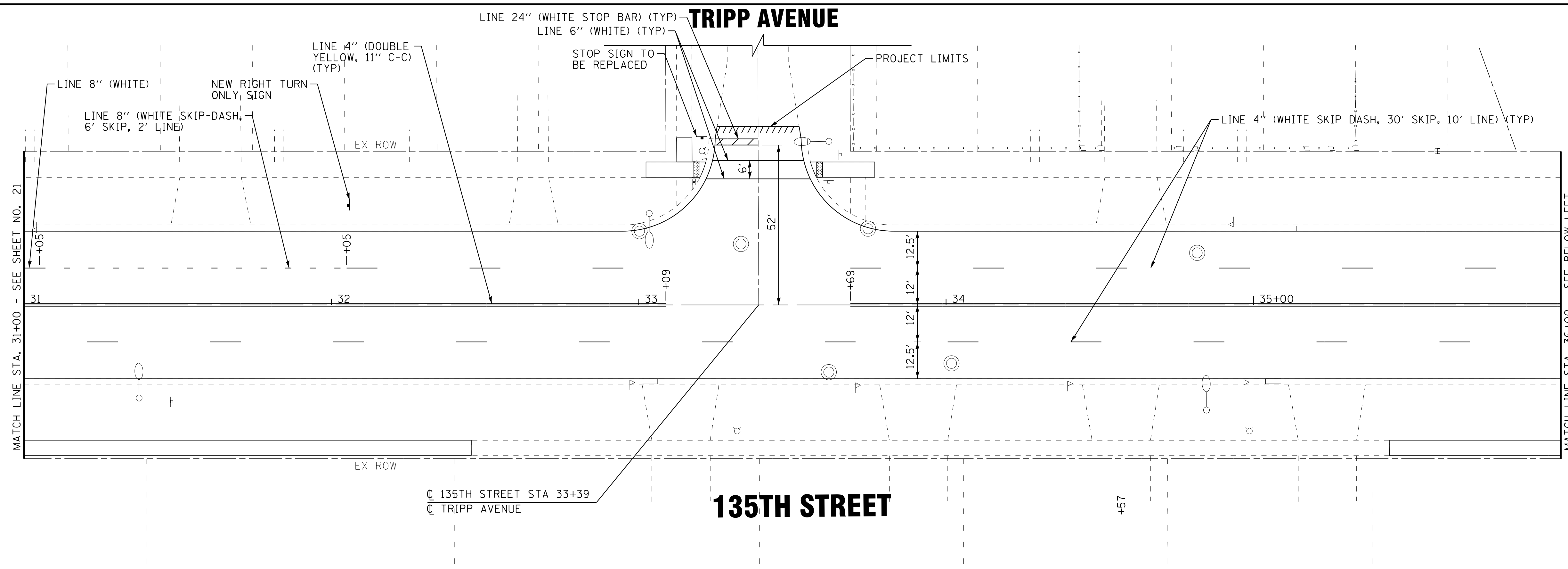
NOTE:
 ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.



MATCH LINE STA. 25+00 - SEE BELOW LEFT

MATCH LINE STA. 31+00 - SEE SHEET NO. 22





NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - L/JF	REVISED -
	DRAWN - KAR	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

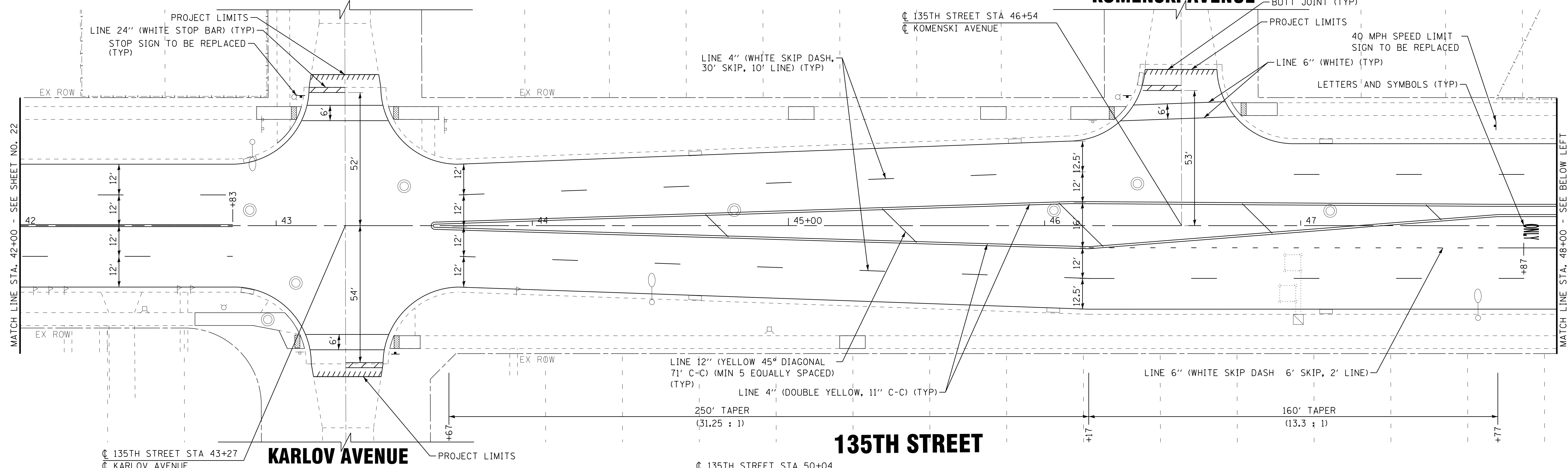
**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20'
STA. 31+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	22
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

KARLOV AVENUE

KOMENSKI AVENUE

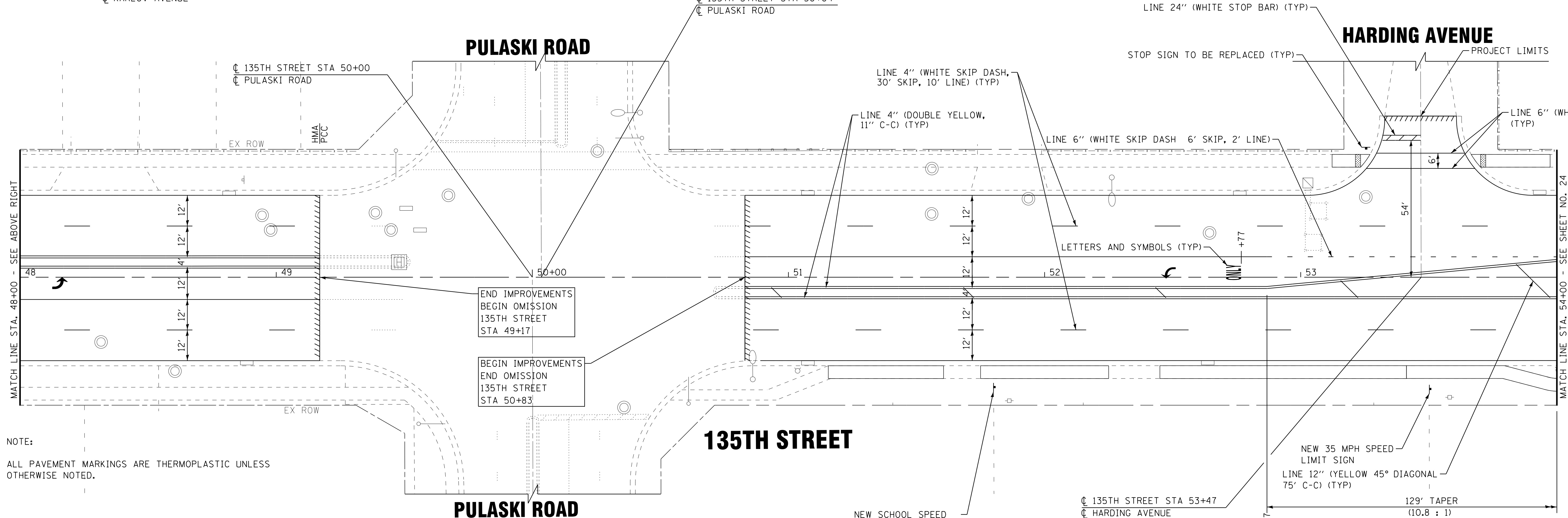


135TH STREET

KARLOV AVENUE

PULASKI ROAD

HARDING AVENUE



135TH STREET

PULASKI ROAD

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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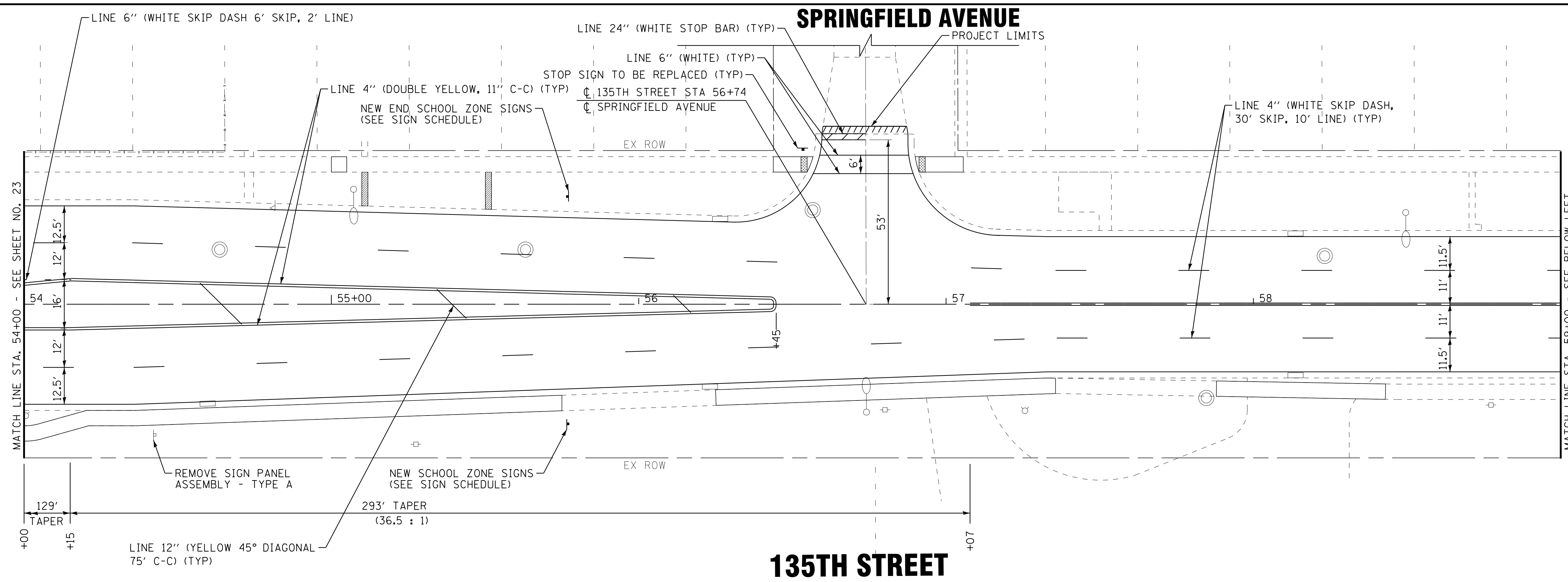
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

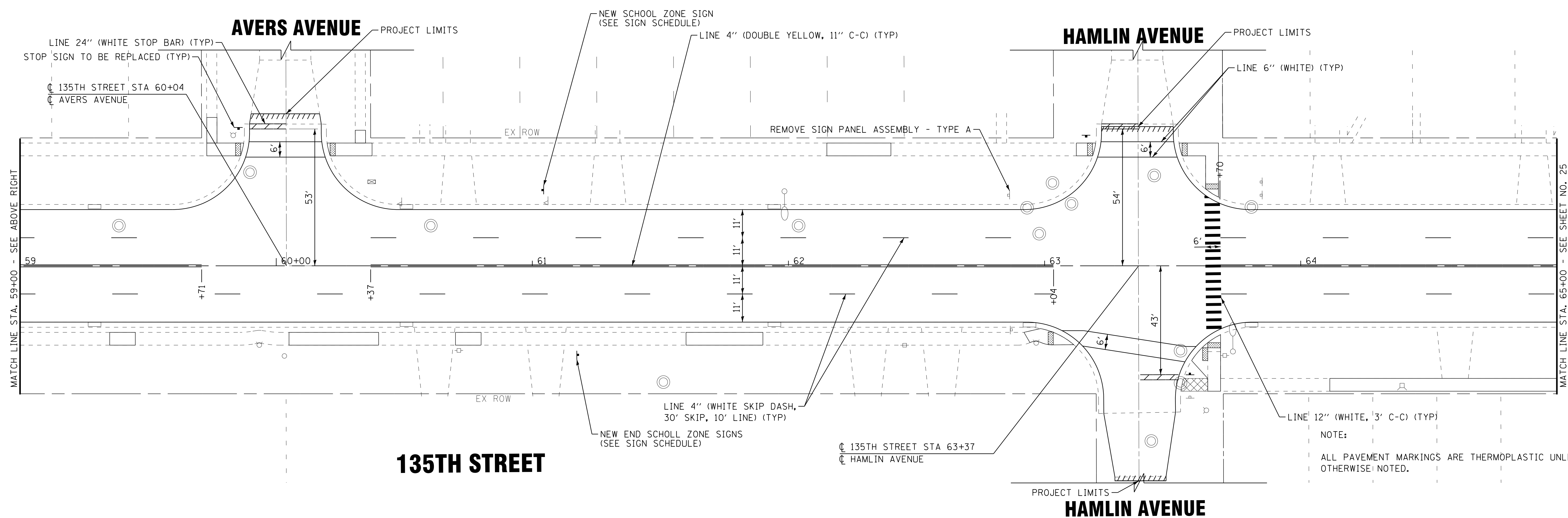
**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20' STA. 42+00 TO STA. 54+00

F.A.U. RTE. 1596	SECTION 14-00031-00-RS	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 23
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



135TH STREET



135TH STREET

HAMLIN AVENUE

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

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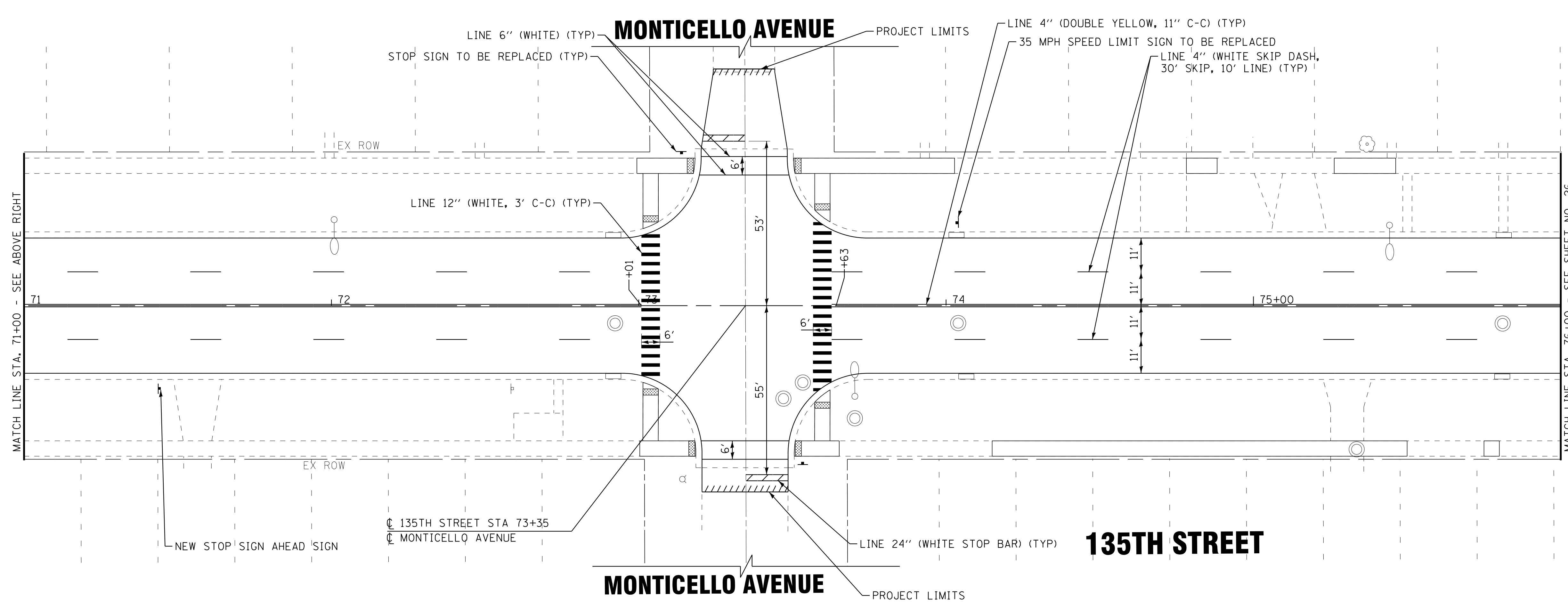
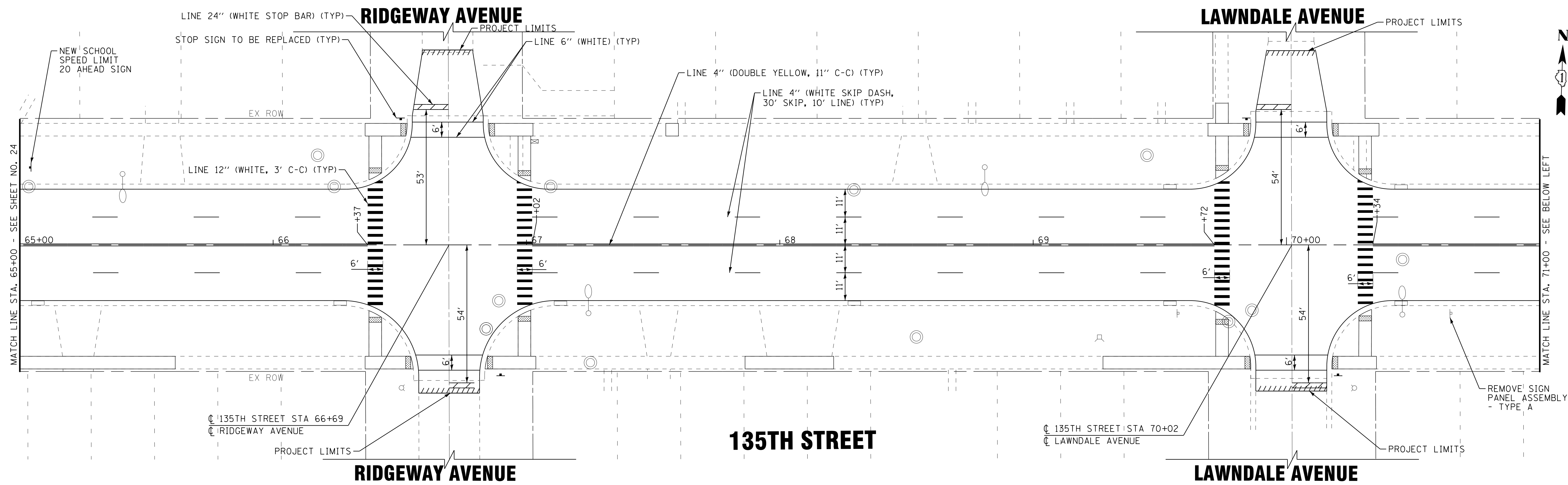
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20'
STA. 54+00 TO STA. 65+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	24
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
Consulting Engineers

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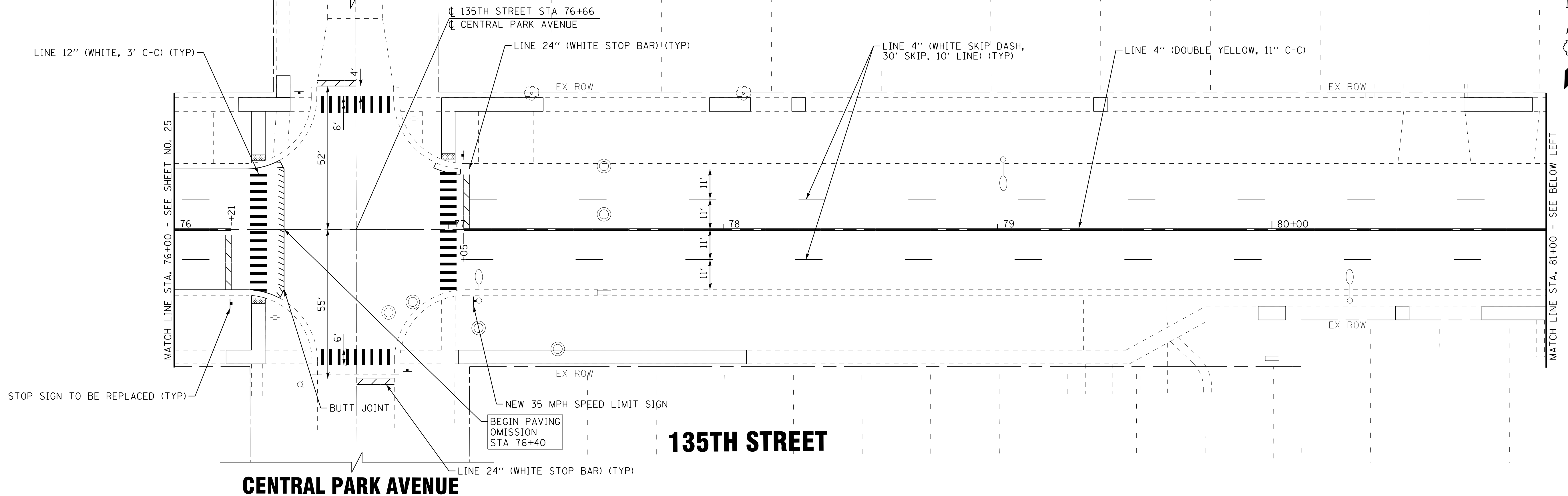
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20'
STA. 65+00 TO STA. 76+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	25
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

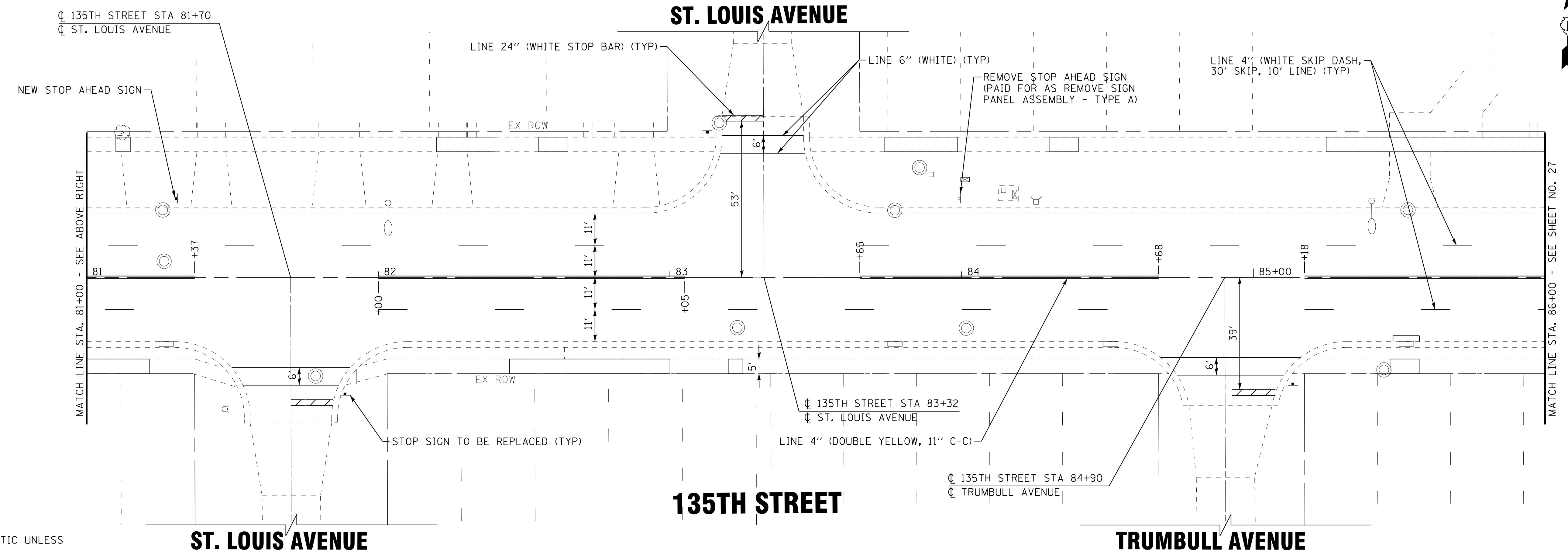
CENTRAL PARK AVENUE



135TH STREET

CENTRAL PARK AVENUE

ST. LOUIS AVENUE



135TH STREET

ST. LOUIS AVENUE

TRUMBULL AVENUE

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

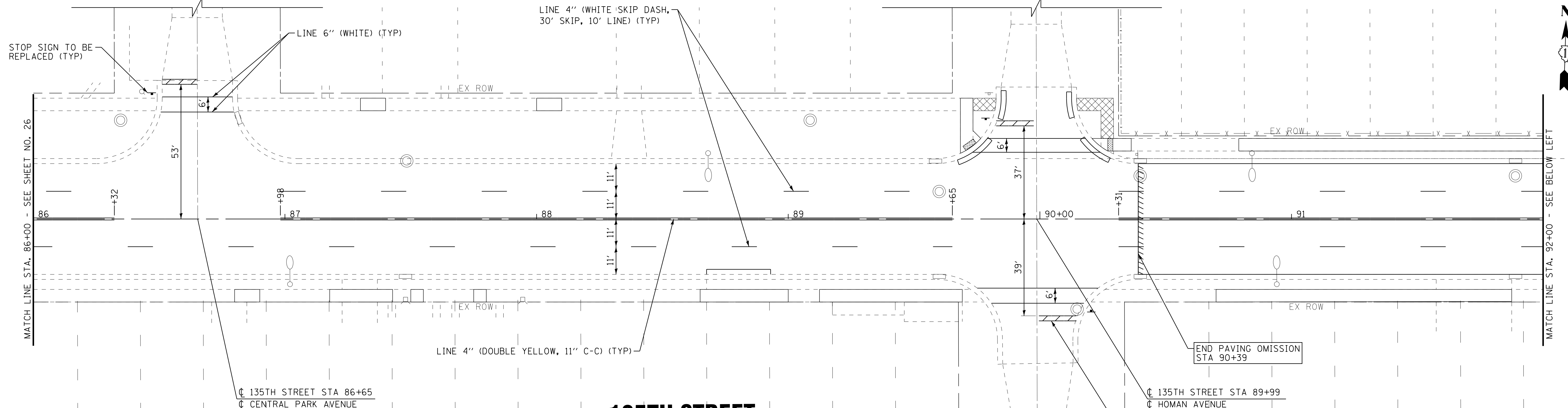
**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20' STA. 76+00 TO STA. 86+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	26
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TRUMBULL AVENUE

HOMAN AVENUE

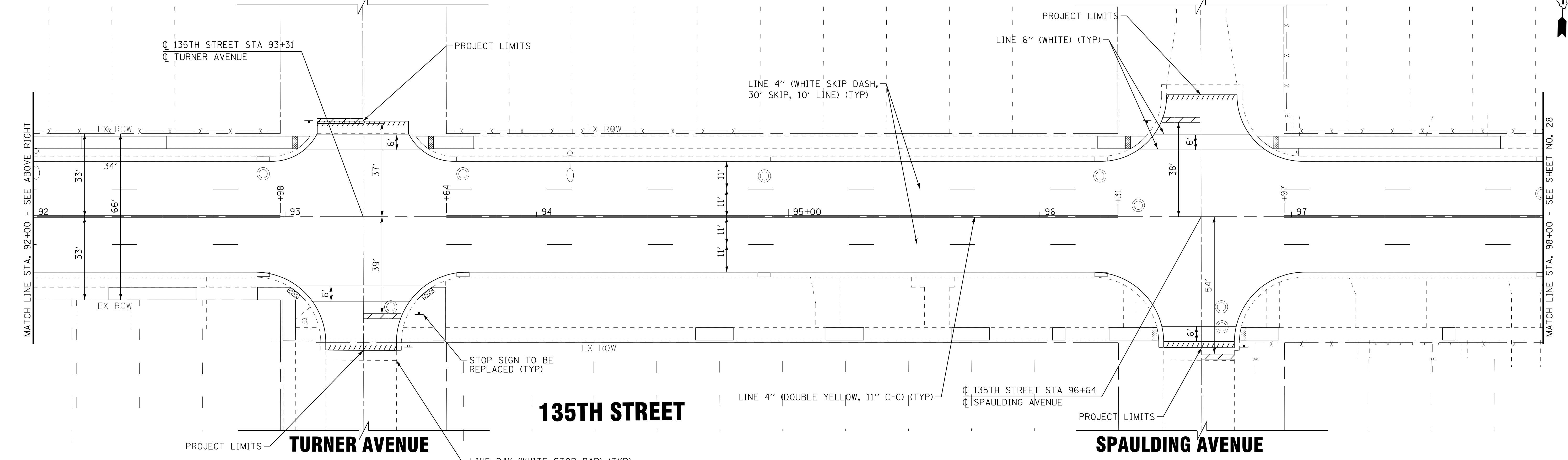


NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

135TH STREET

HOMAN AVENUE

SPAULDING AVENUE



135TH STREET

SPAULDING AVENUE

BAXTER & WOODMAN Consulting Engineers	DESIGNED - L/JF	REVISED -
	DRAWN - KAR	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

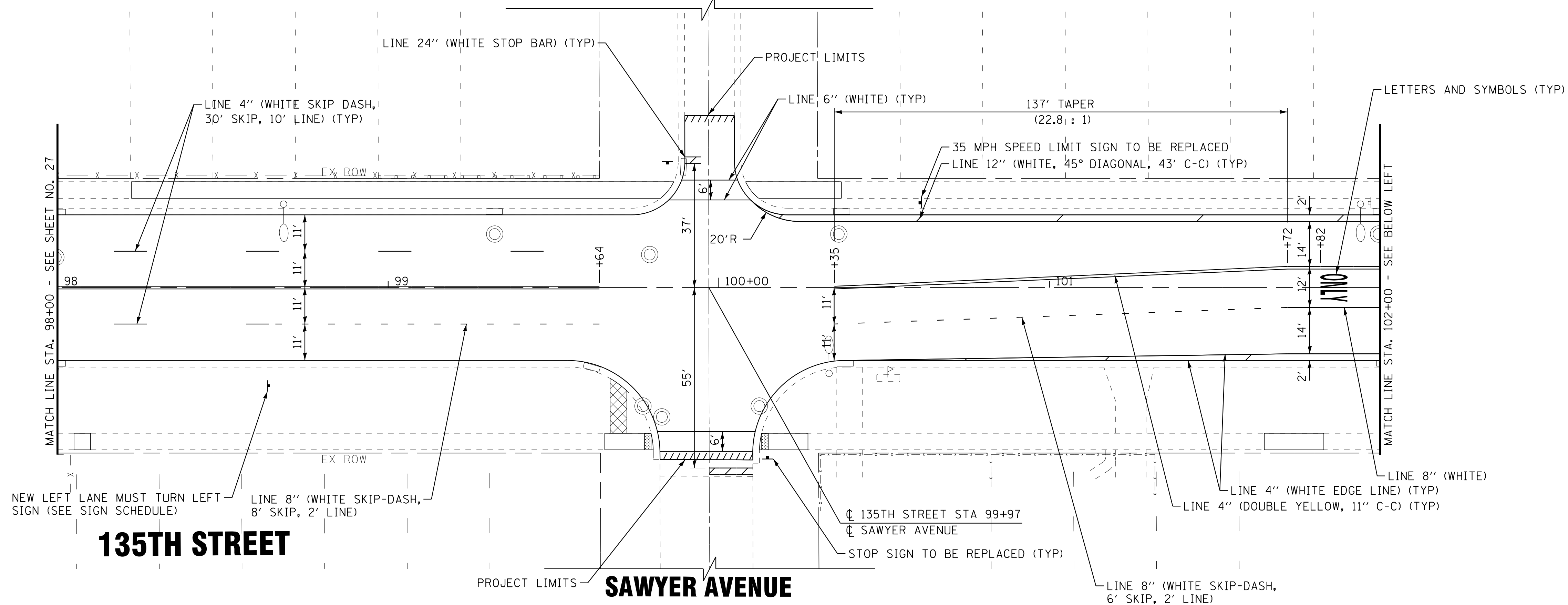
**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20'
STA. 86+00 TO STA. 98+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	27
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

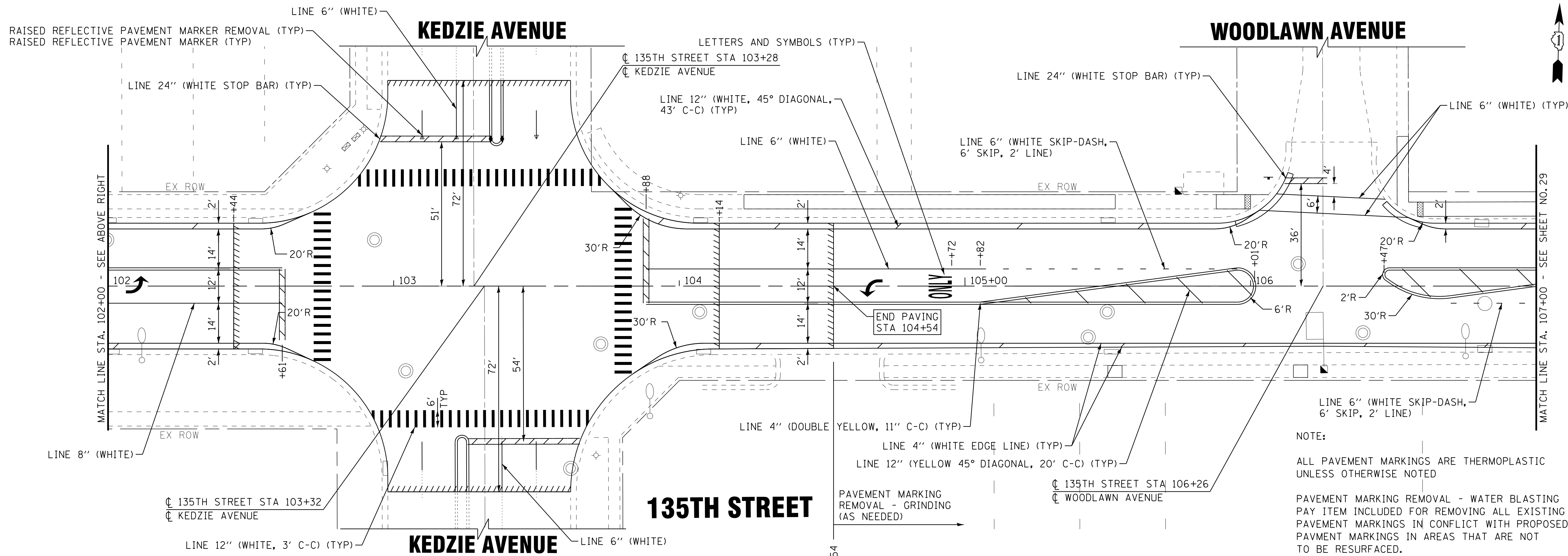
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SAWYER AVENUE



135TH STREET

SAWYER AVENUE



KEDZIE AVENUE

WOODLAWN AVENUE

135TH STREET

KEDZIE AVENUE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNAGE PLAN
- 135TH STREET**

SCALE: 1" = 20'

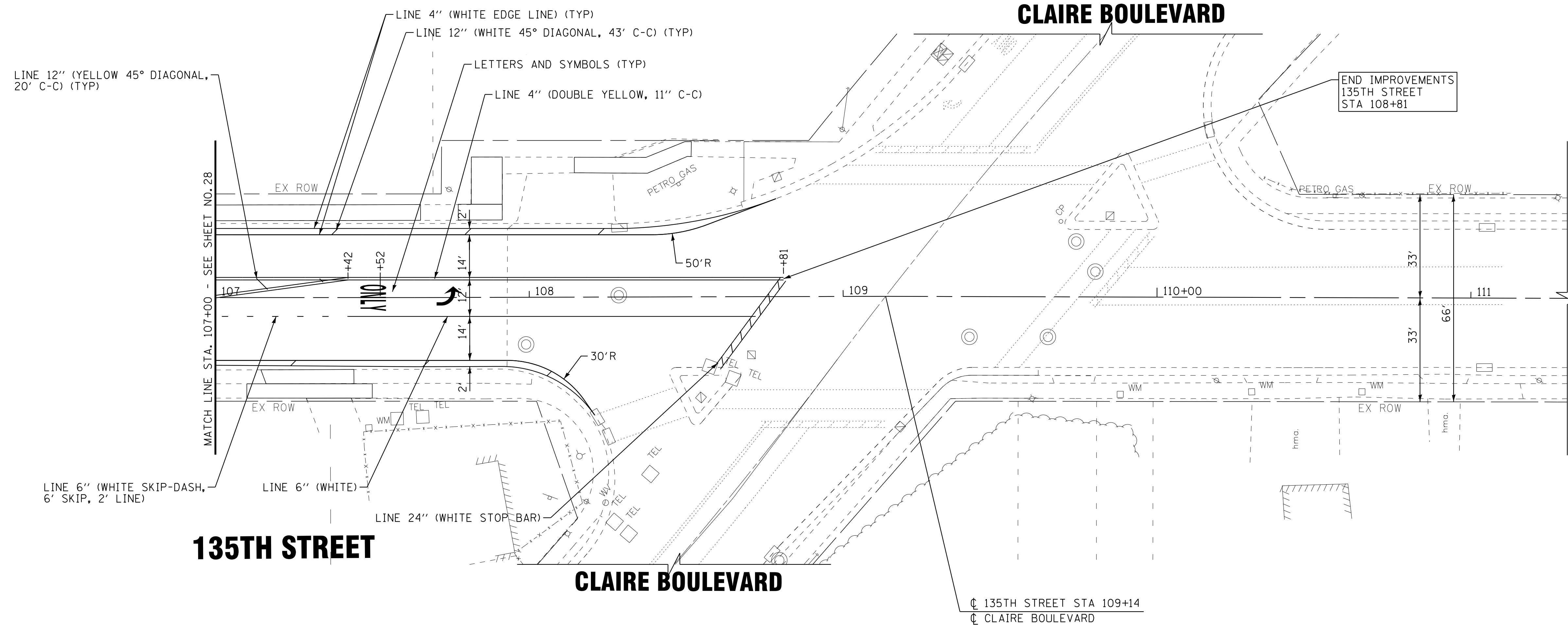
STA. 98+00 TO STA. 107+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	28
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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BAXTER & WOODMAN
Consulting Engineers

DESIGNED - LJF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-10-17	FILE - 130771SHT_PH2-PM8.dgn



135TH STREET

CLAIRE BOULEVARD

CLAIRE BOULEVARD

☐ 135TH STREET STA 109+14
☐ CLAIRE BOULEVARD

NOTE:

ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED

PAVEMENT MARKING REMOVAL - WATER BLASTING PAY ITEM INCLUDED FOR REMOVING ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN AREAS THAT ARE NOT TO BE RESURFACED.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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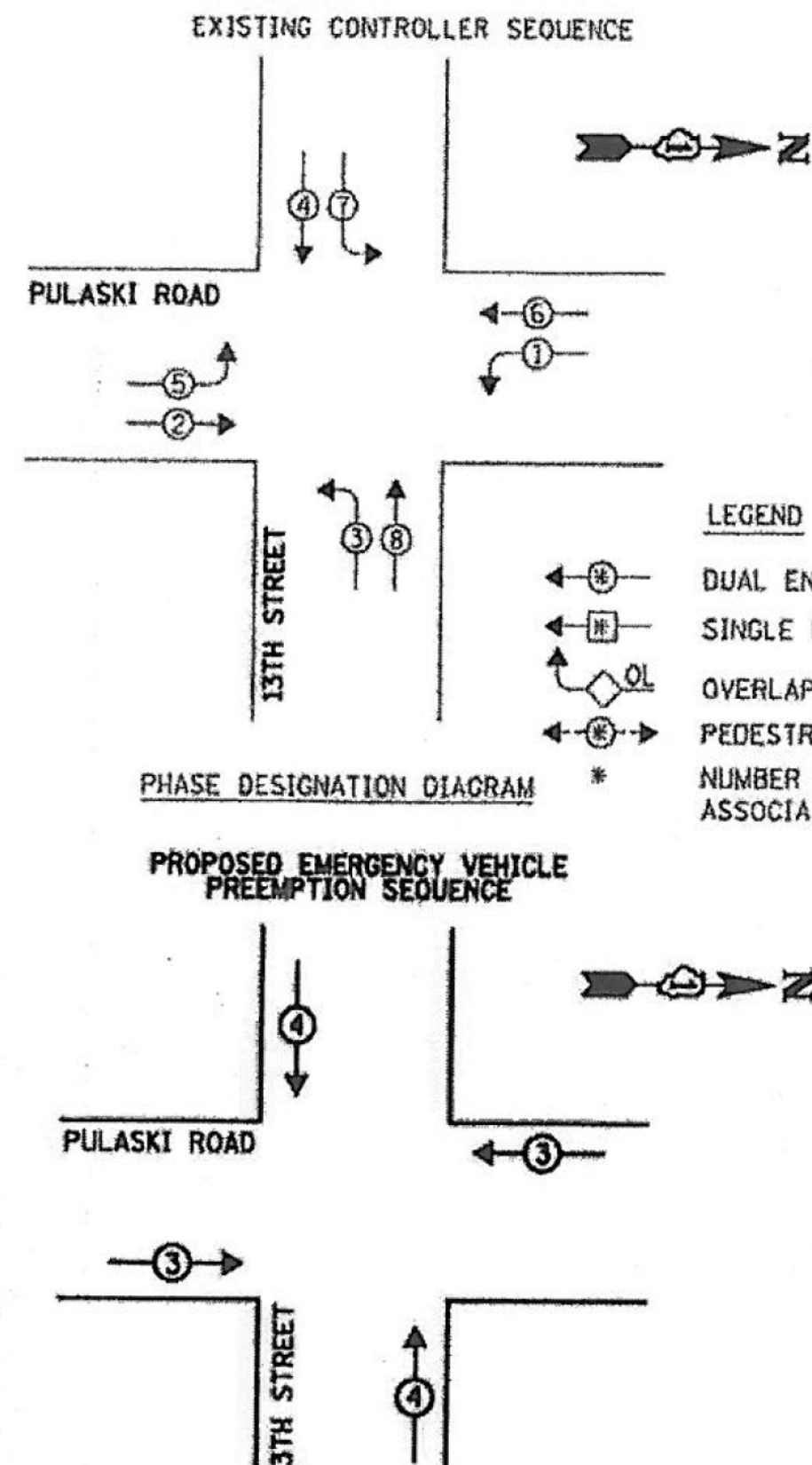
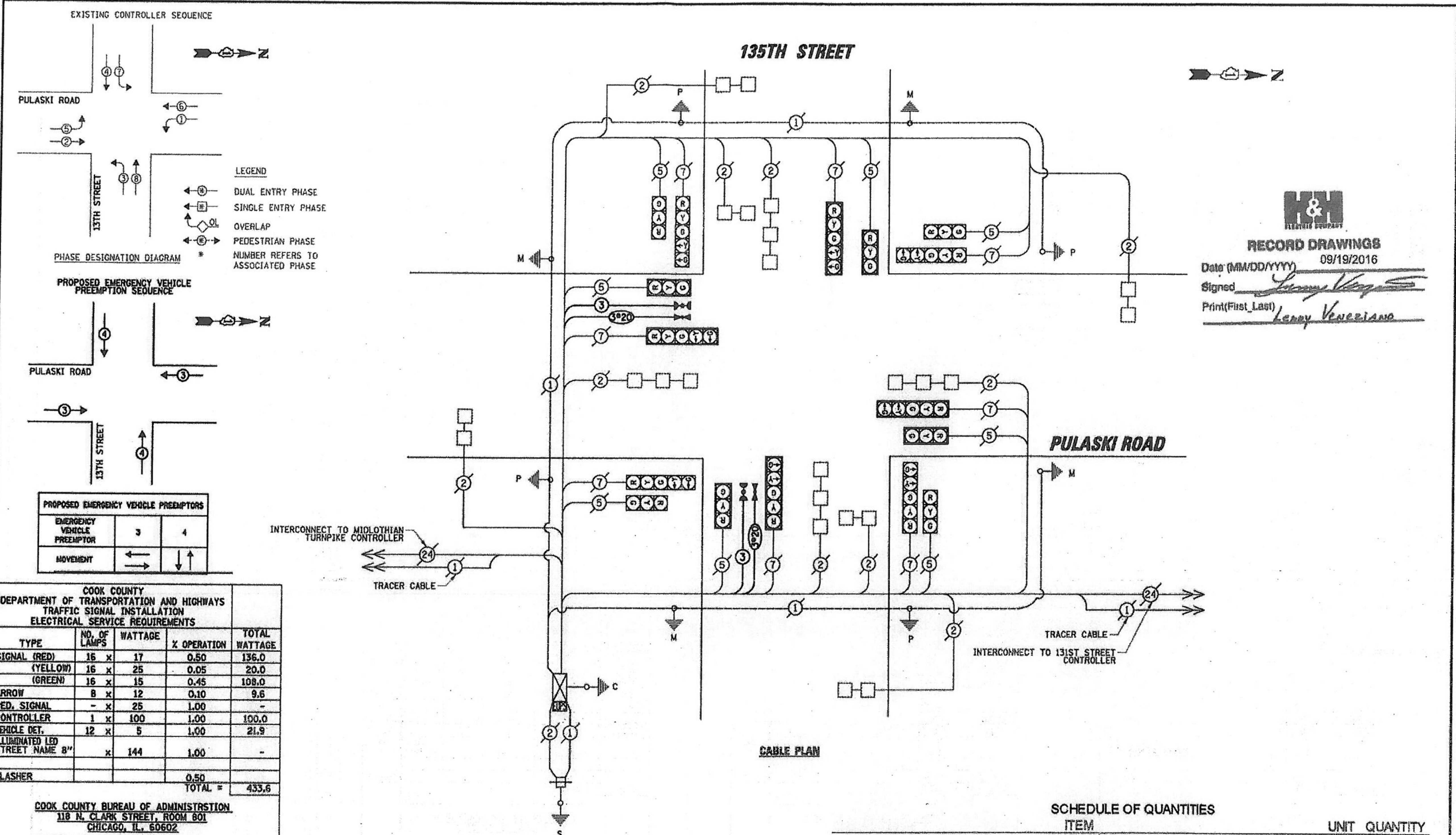
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLAN
 - 135TH STREET**

SCALE: 1" = 20'

STA. 107+00 TO STA. 111+31

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	29
39WN(177)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16 x	17	0.50	136.0
(YELLOW)	16 x	25	0.05	20.0
(GREEN)	16 x	15	0.45	108.0
ARROW	8 x	12	0.10	9.6
PED. SIGNAL	- x	25	1.00	-
CONTROLLER	1 x	100	1.00	100.0
VEHICLE DET.	12 x	5	1.00	21.9
ILLUMINATED LED STREET NAME 8"	x	144	1.00	-
FLASHER			0.50	
TOTAL =				433.6

COOK COUNTY BUREAU OF ADMINISTRATION
 118 N. CLARK STREET, ROOM 801
 CHICAGO, IL. 60602

ACCOUNT NO. _____

ENERGY COSTS SHARE:
 COOK COUNTY, 50%
 VILLAGE OF CRESTWOOD, 12.5%
 VILLAGE OF ROBBINS, 37.5%

ENERGY SUPPLY CONTACT: **COMED - New Business**
 (866) 639-3532
 COMPANY: **COMED - New Business**

FILE NAME =	USER NAME = fph31one	DESIGNED - TFS	REVISED -
NA-Crestwood\1522517-17\135th-135th-Pul	aka_EVP2-nab.dgn	DRAWN - FPH	REVISED -
	PLOT SCALE = 48'	CHECKED - GMZ	REVISED -
	PLOT DATE = 10/28/2015	DATE = 10-02-2015	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
135TH STREET AND PULASKI ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-00034-00-TL		COOK	45	23
39WN(177)		CONTRACT NO. 61C00		

RECORD DRAWINGS
 Date (MM/DD/YYYY) 09/19/2016
 Signed *Lenny Venezia*
 Print(First Last) Lenny Venezia

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00123 - EXPIRES 4/30/2017 3/16/2018

BAXTER & WOODMAN Consulting Engineers

DESIGNED - LUF	REVISED -
DRAWN - KAR	REVISED -
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DATE - 11-10-17	FILE - 130771SHT_PH2-Details.dgn

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

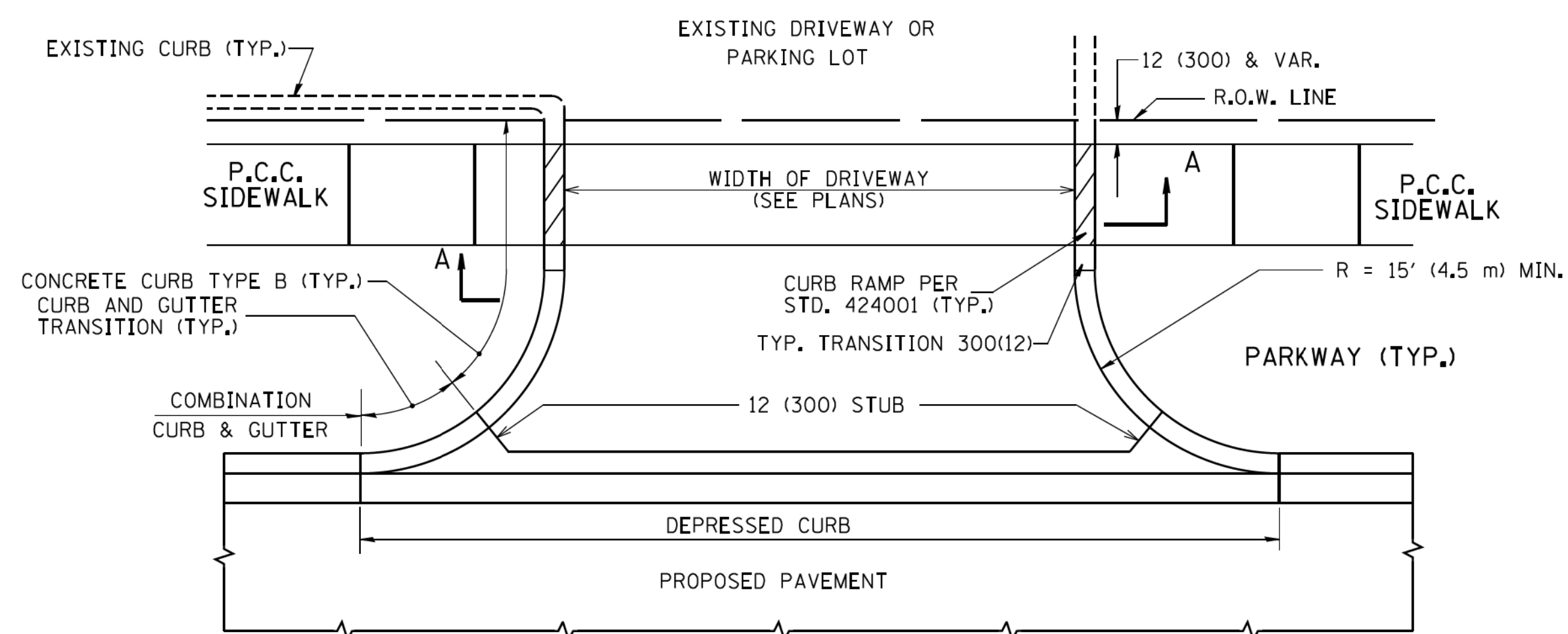
FOR INFORMATION ONLY

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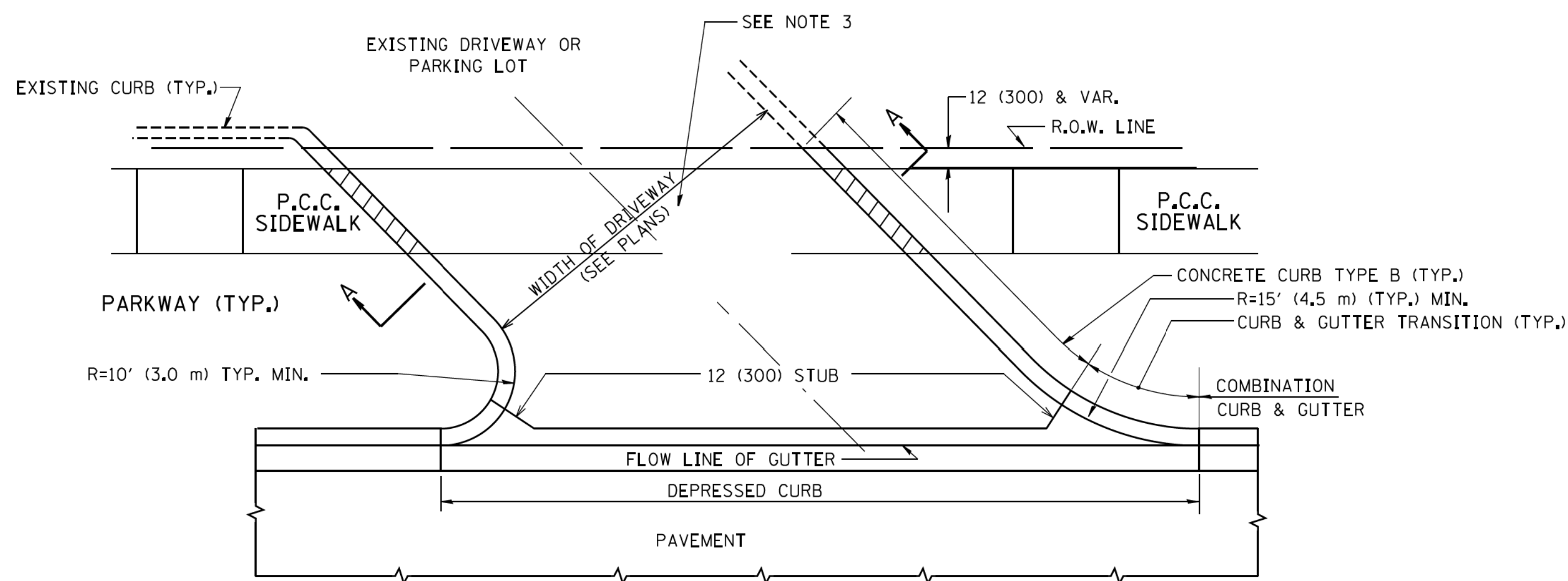
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	31
39WN(177)		CONTRACT NO. 61E46		

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

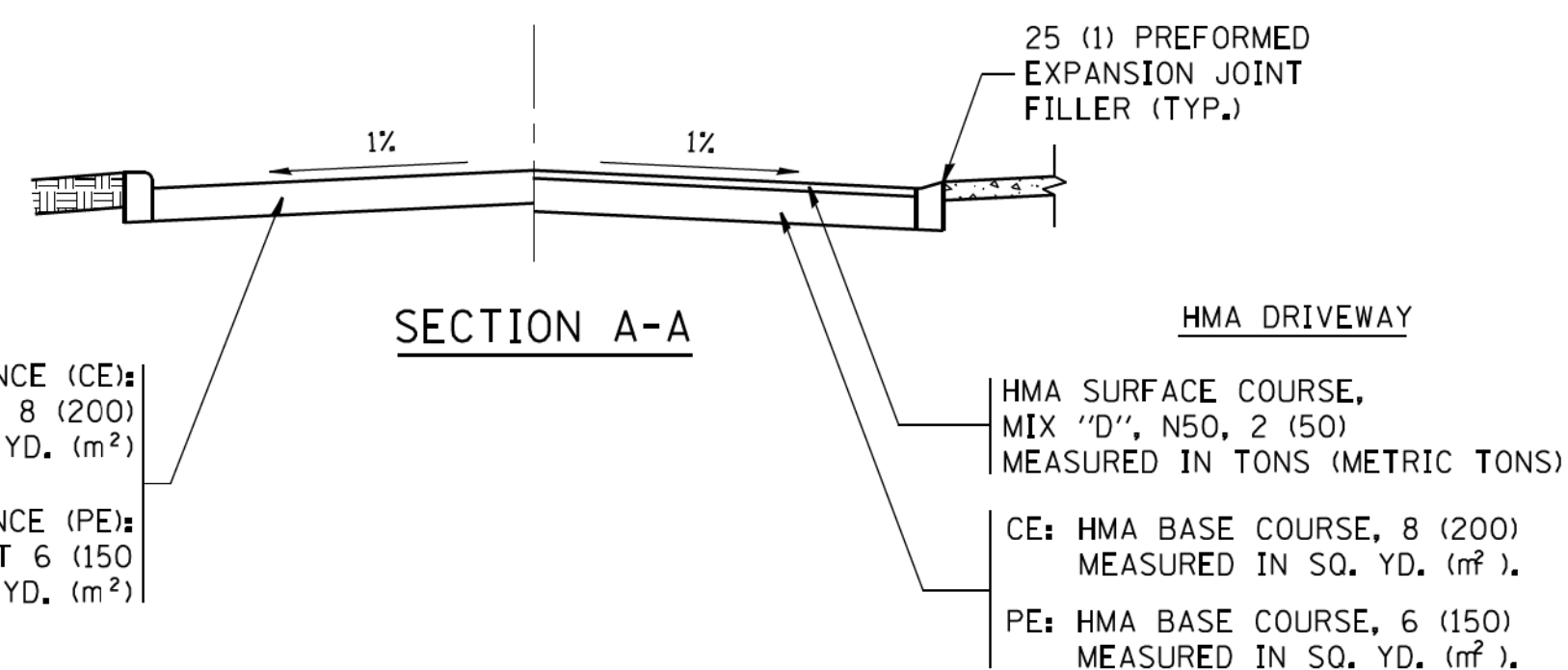
permit no. 15-09-5780



WITH CONCRETE CURB, TYPE B

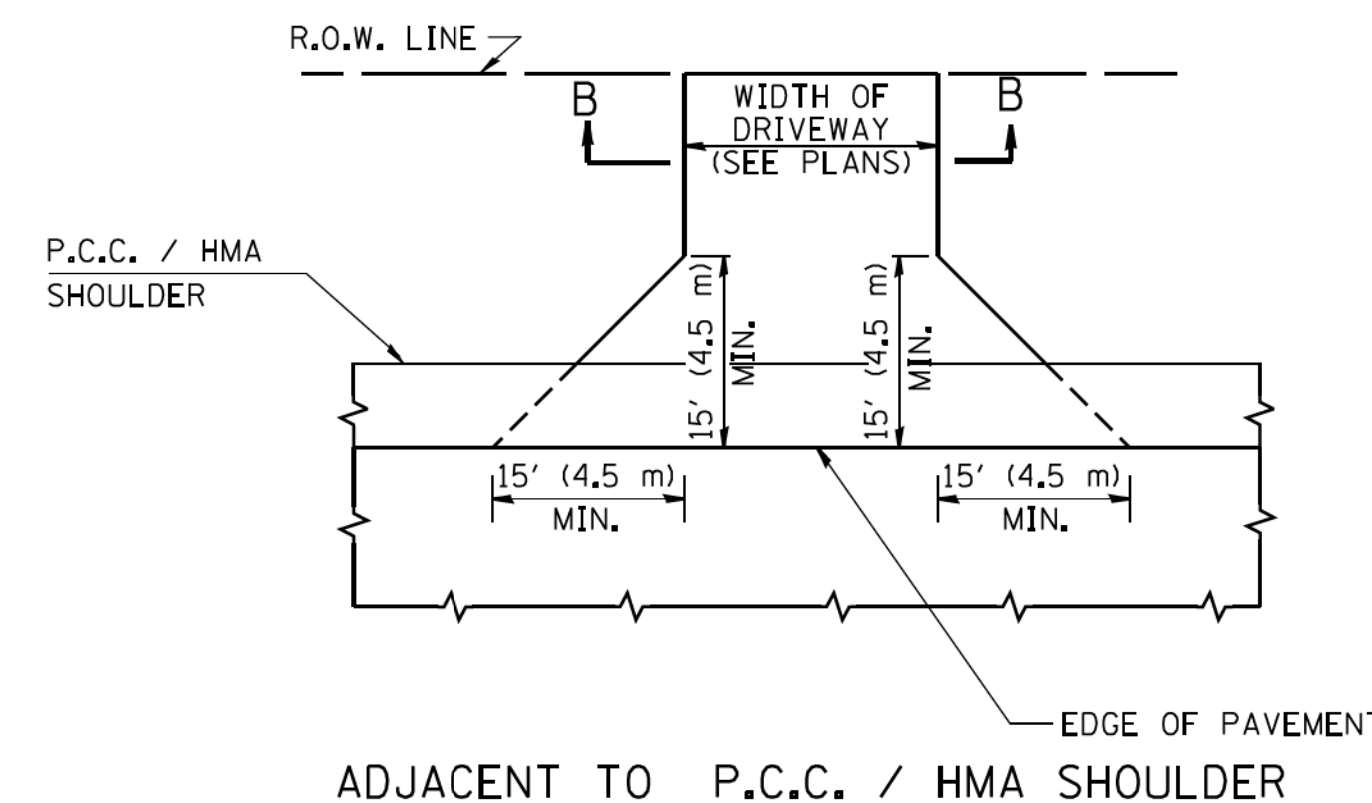


WITH CONCRETE CURB, TYPE B

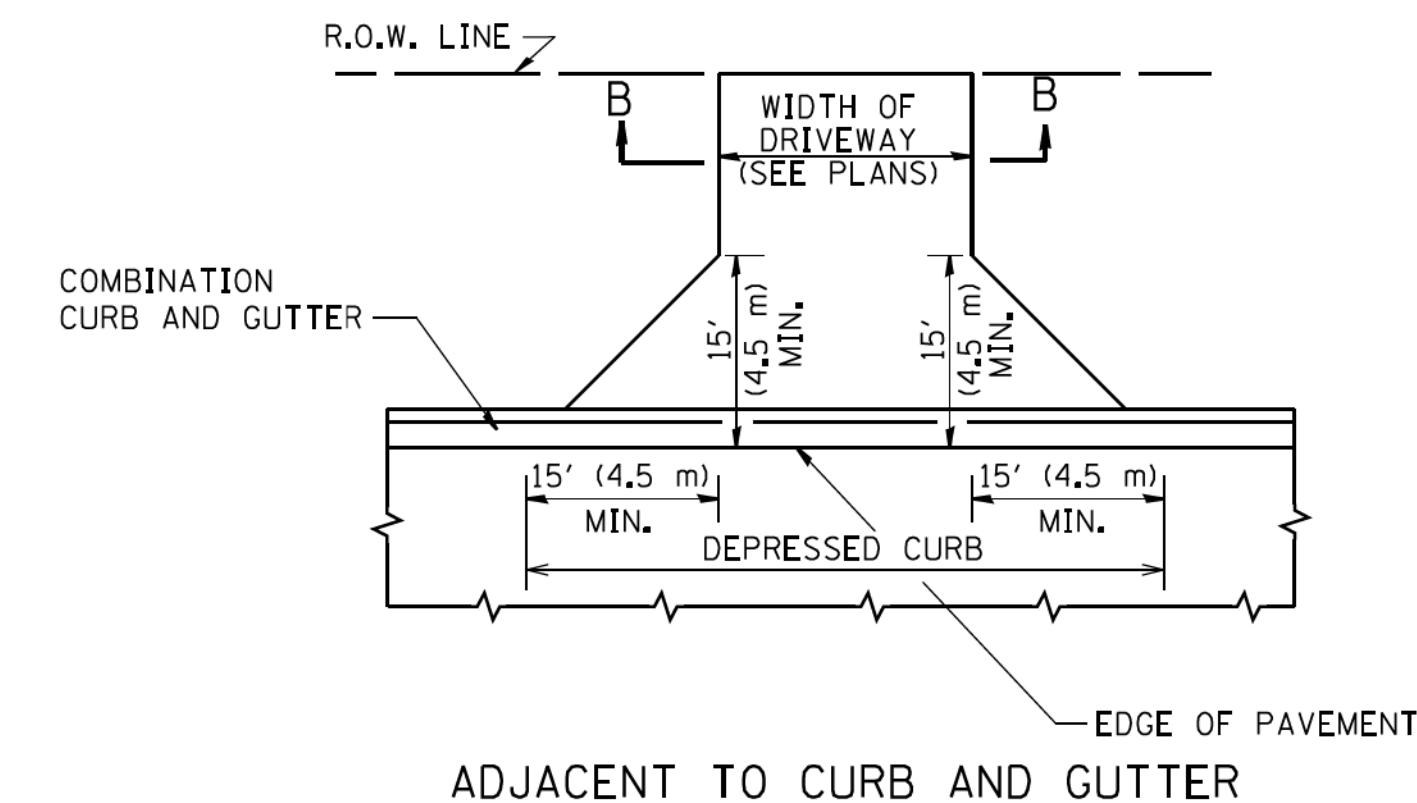


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

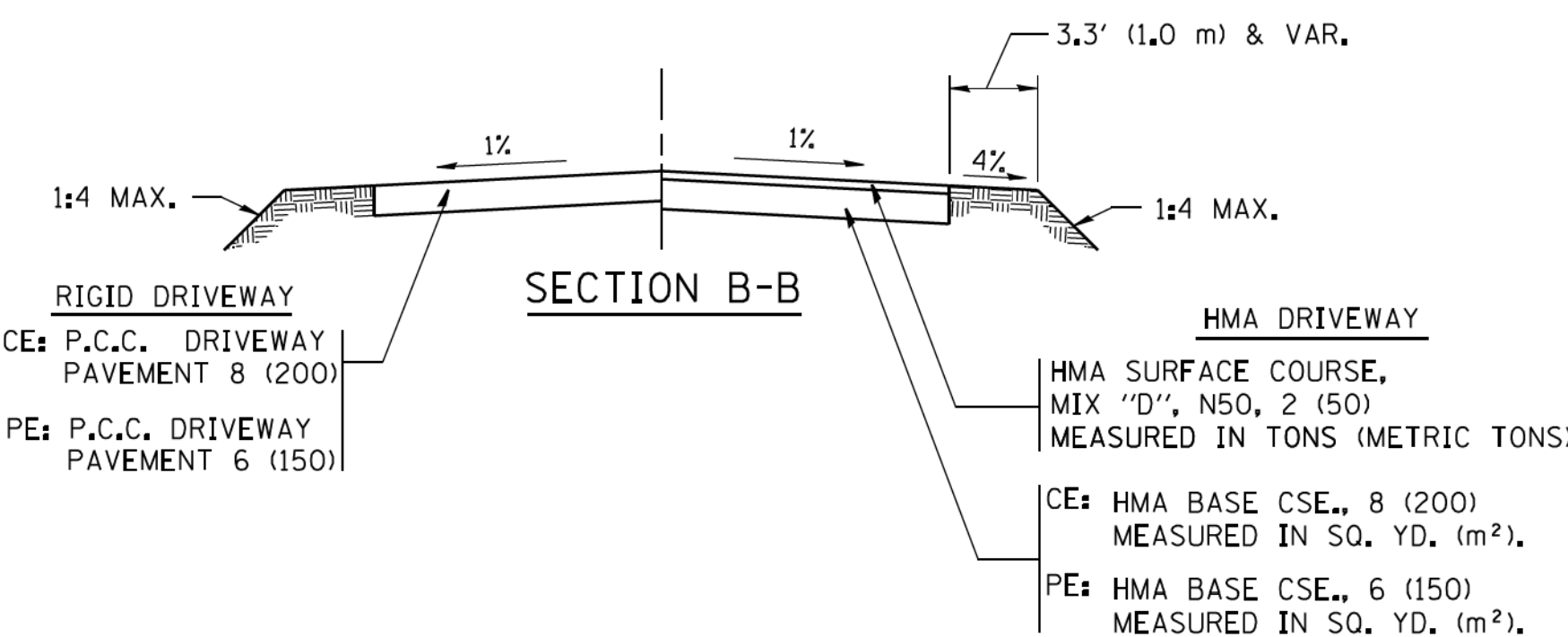
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 FILE NAME = ...
 USER NAME = l...
 DESIGNED - R. SHAH
 DRAWN -
 CHECKED -
 DATE - 11-04-95
 REVISED - P. LaFLUER 04-15-03
 REVISED - R. BORO 01-01-07
 REVISED - R. BORO 06-11-08
 REVISED - R. BORO 09-06-11

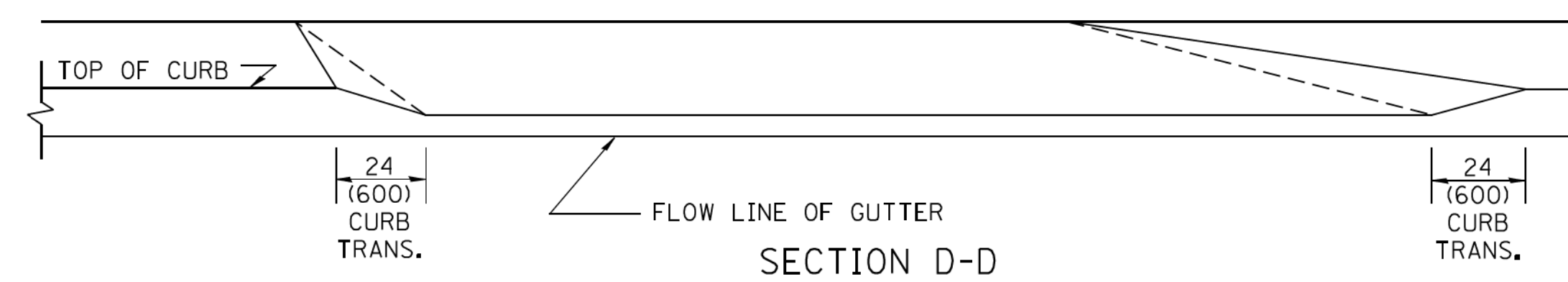
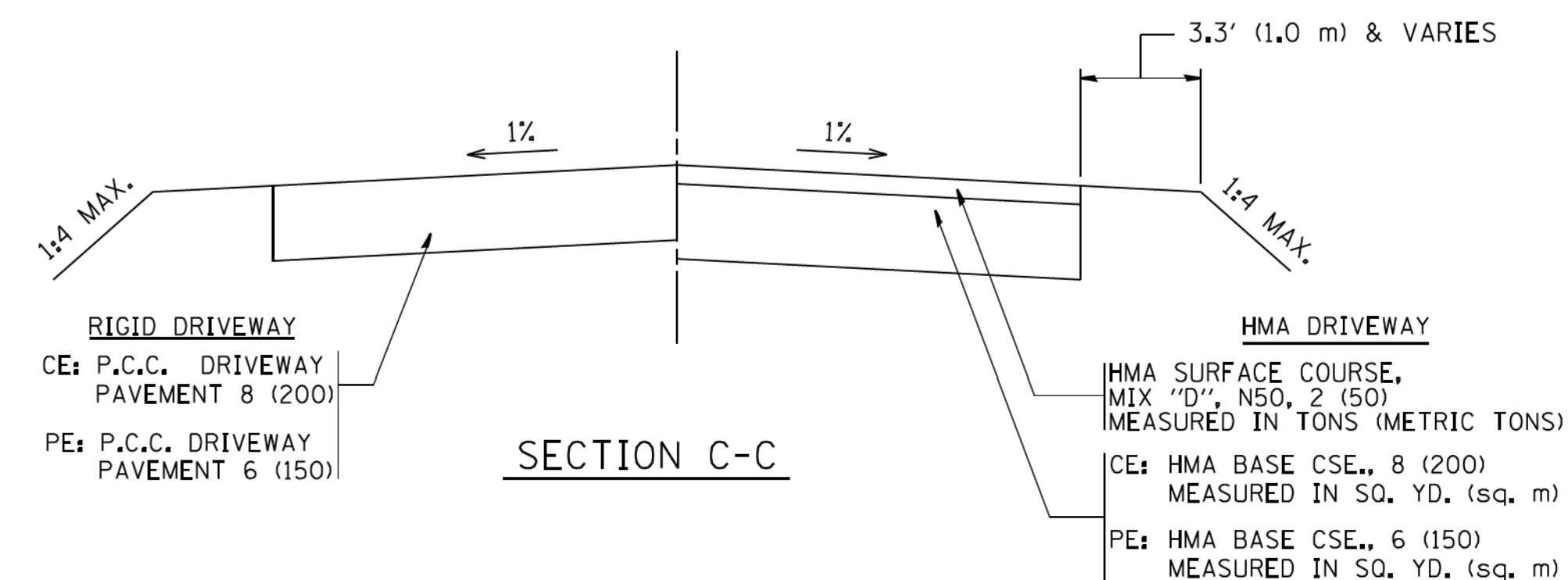
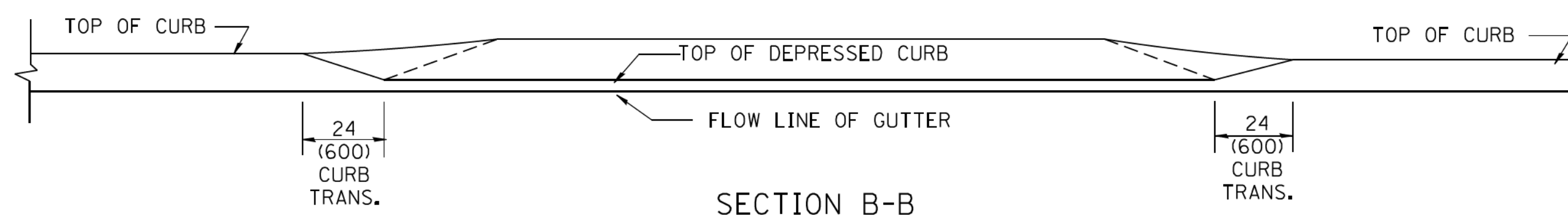
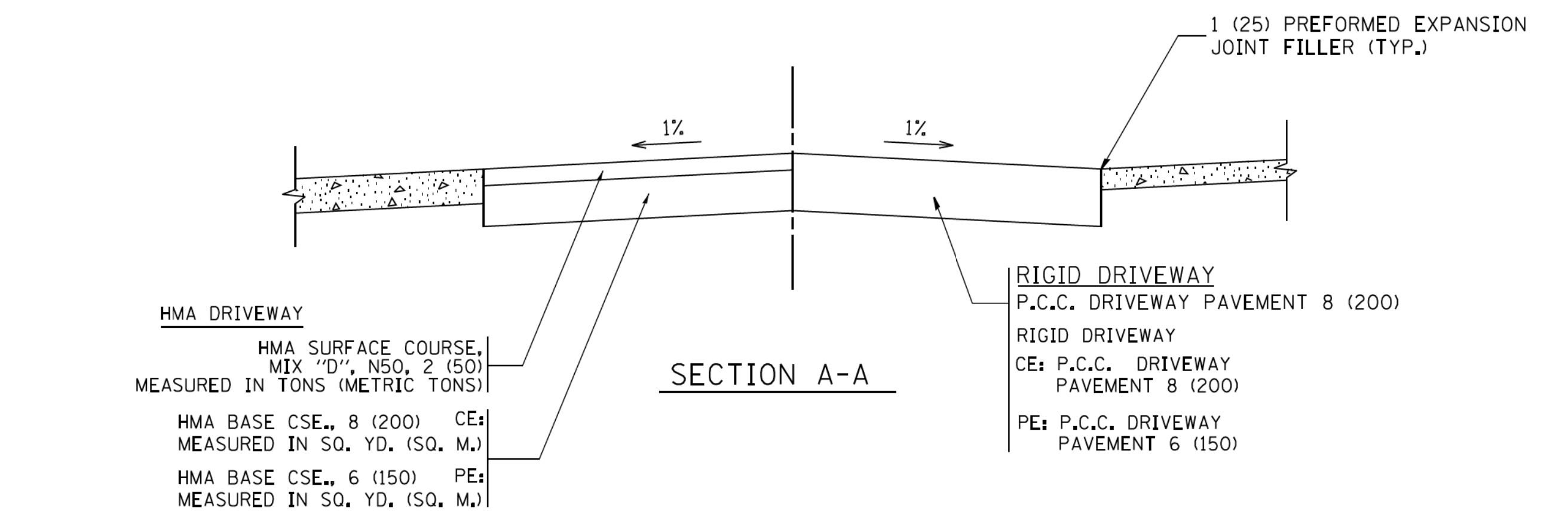
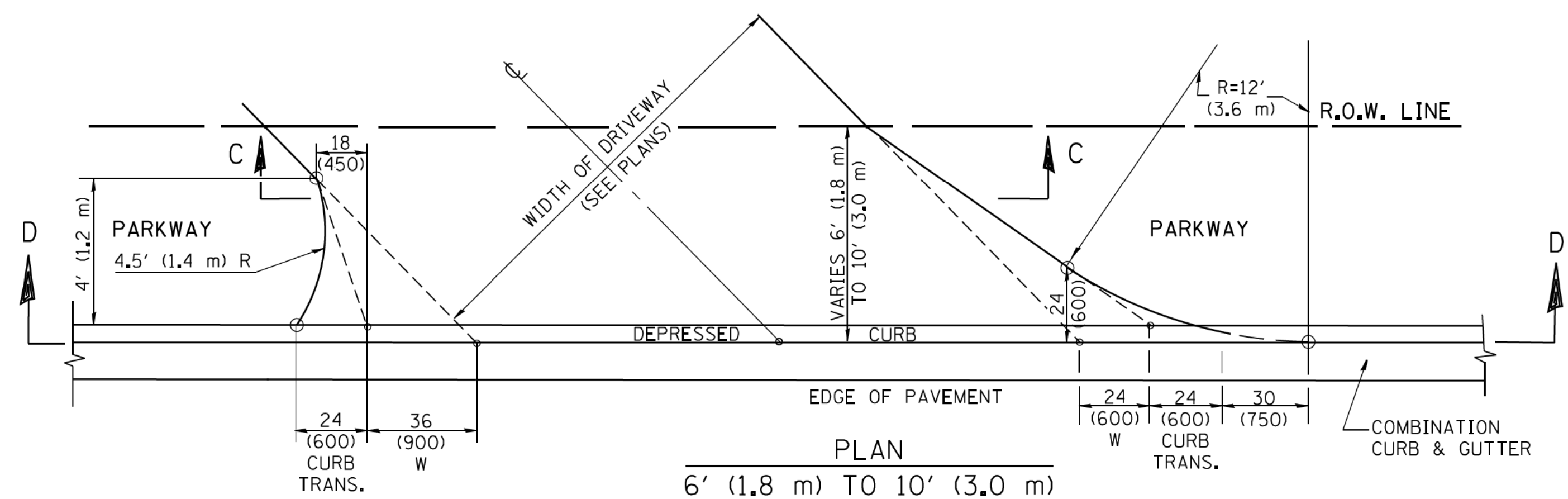
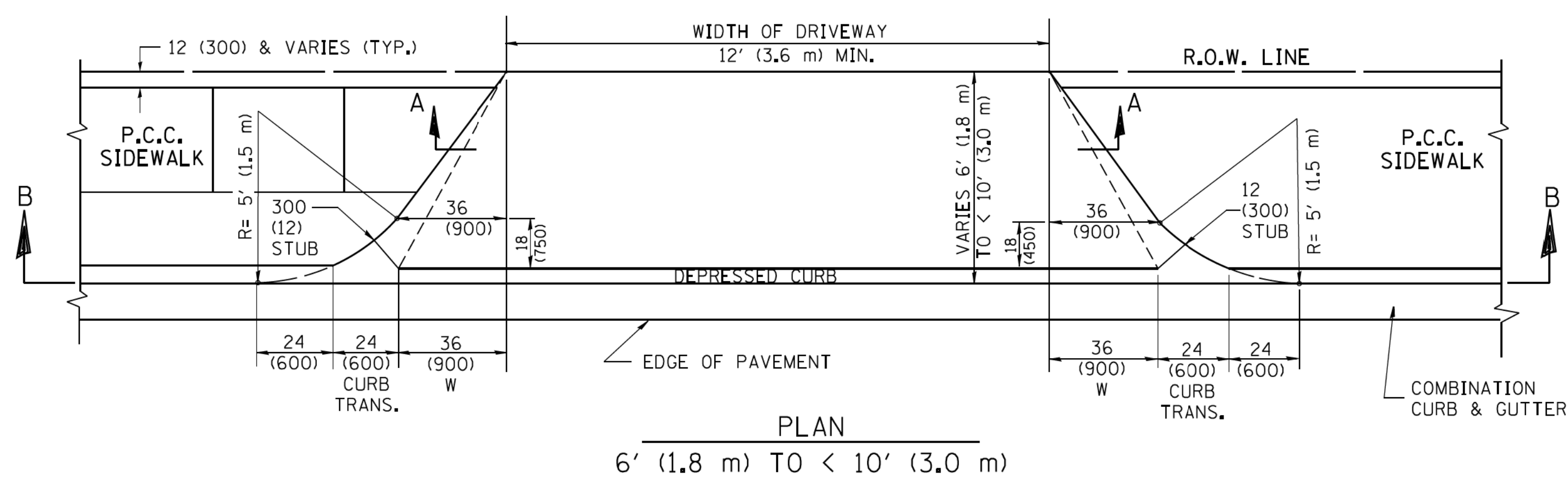
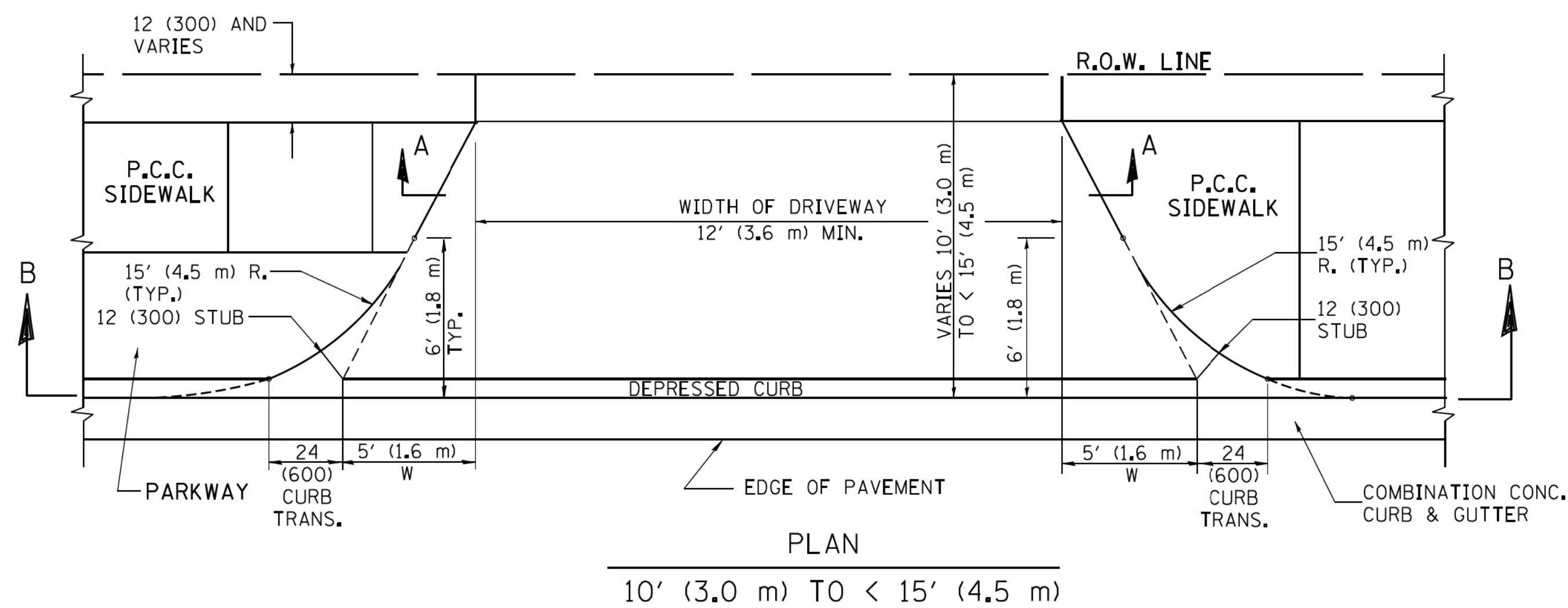
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...	...	DRAWN -	REVISED - R. BORO 01-01-07
...	...	CHECKED -	REVISED - R. BORO 06-11-08
...	...	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
 AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	32
BDD156-07 (BD-01)		CONTRACT NO. 61E46		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
FILE NAME = ...
PLOT SCALE = 50.0000' / 1" = 1' = 30.48 mm
PLOT DATE = 10/28/2011

FILE NAME =	USER NAME = lleyse	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
ca:\pwwork\pwwork\lleyse\10108315\bd02.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03
		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		1596	14-00031-00-RS	COOK	45	33
SCALE: NONE		BD400-02 (BD-02)		CONTRACT NO. 61E46		
SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

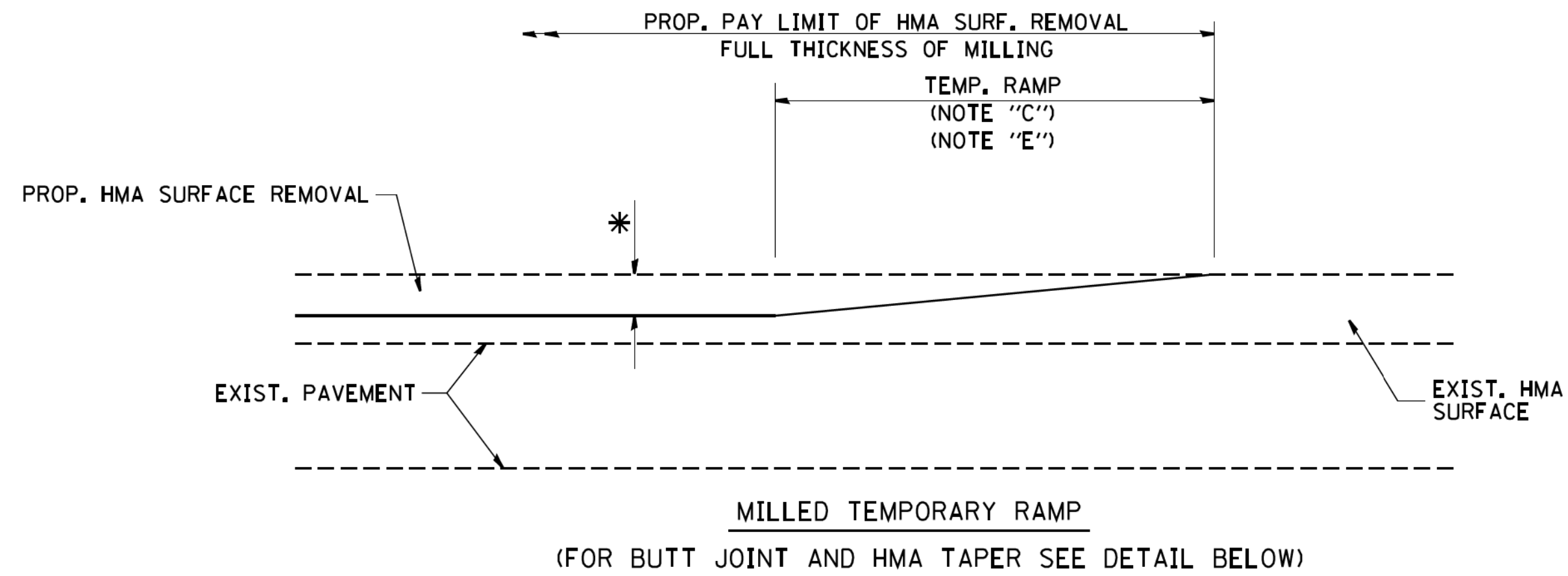
⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

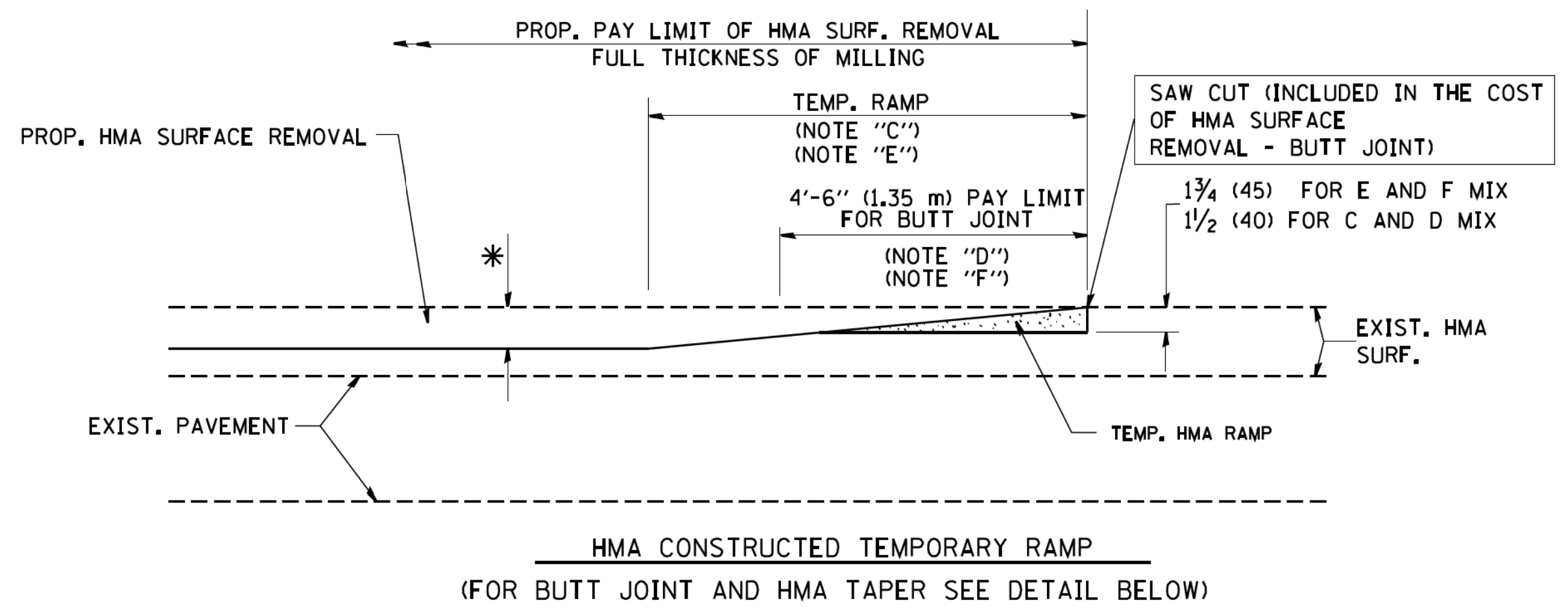
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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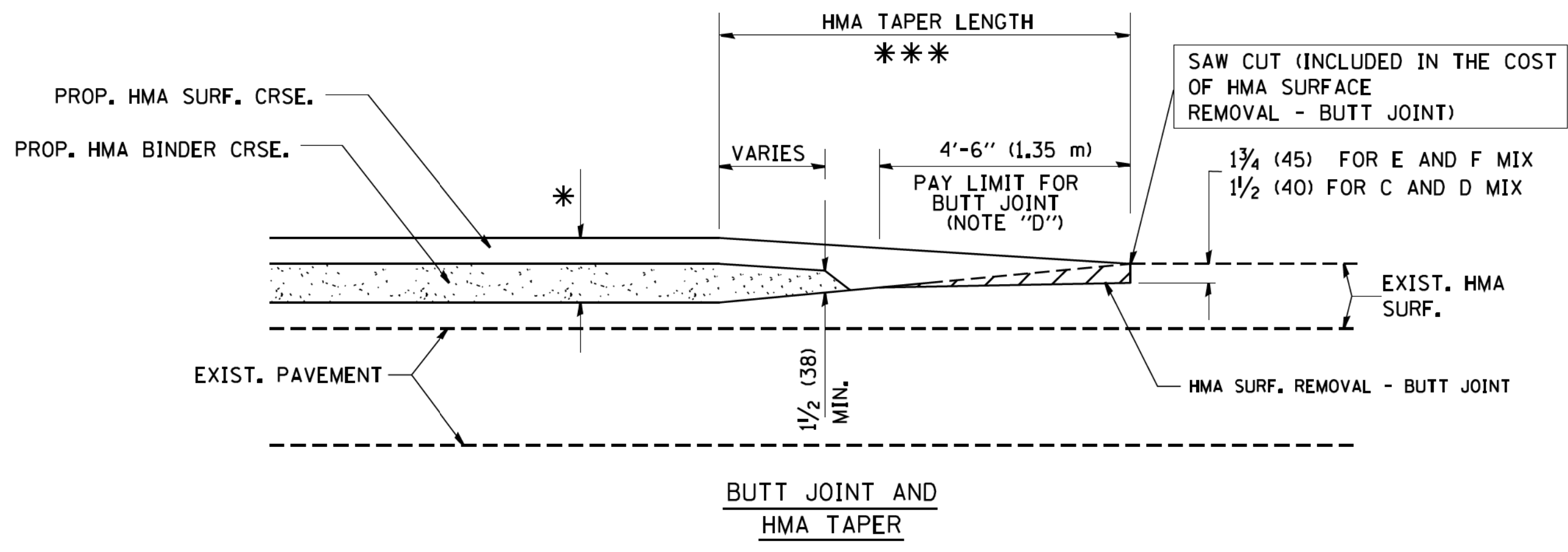
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ei:\pw\work\p1\dot\drivakosgn\d0108315\bd24.dgn	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97			1596	14-00031-00-RS	COOK	45	36
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 61E46		
			REVISED - R. BORO 12-15-09			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



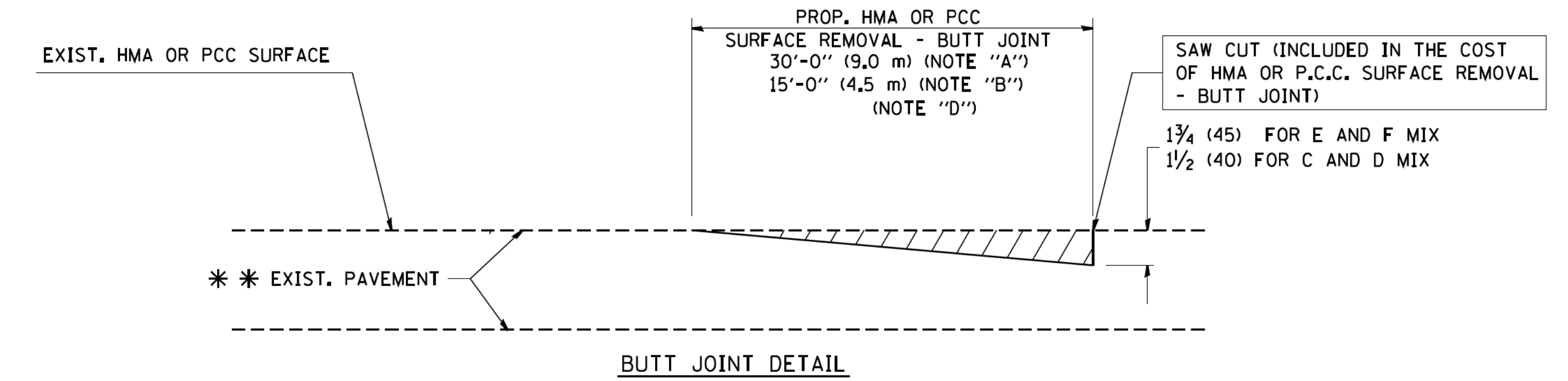
OPTION 1



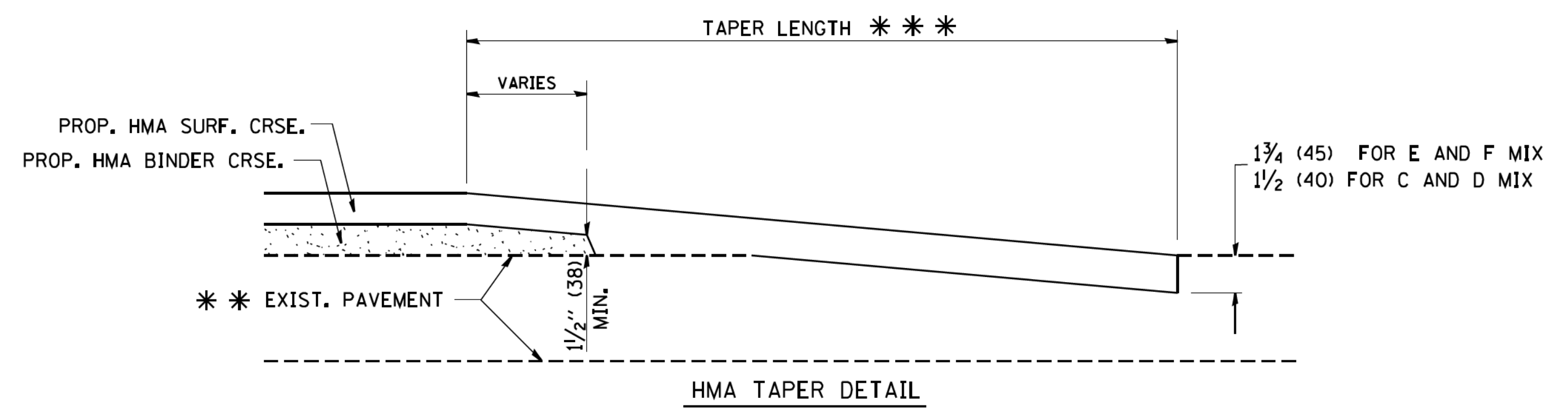
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- *** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

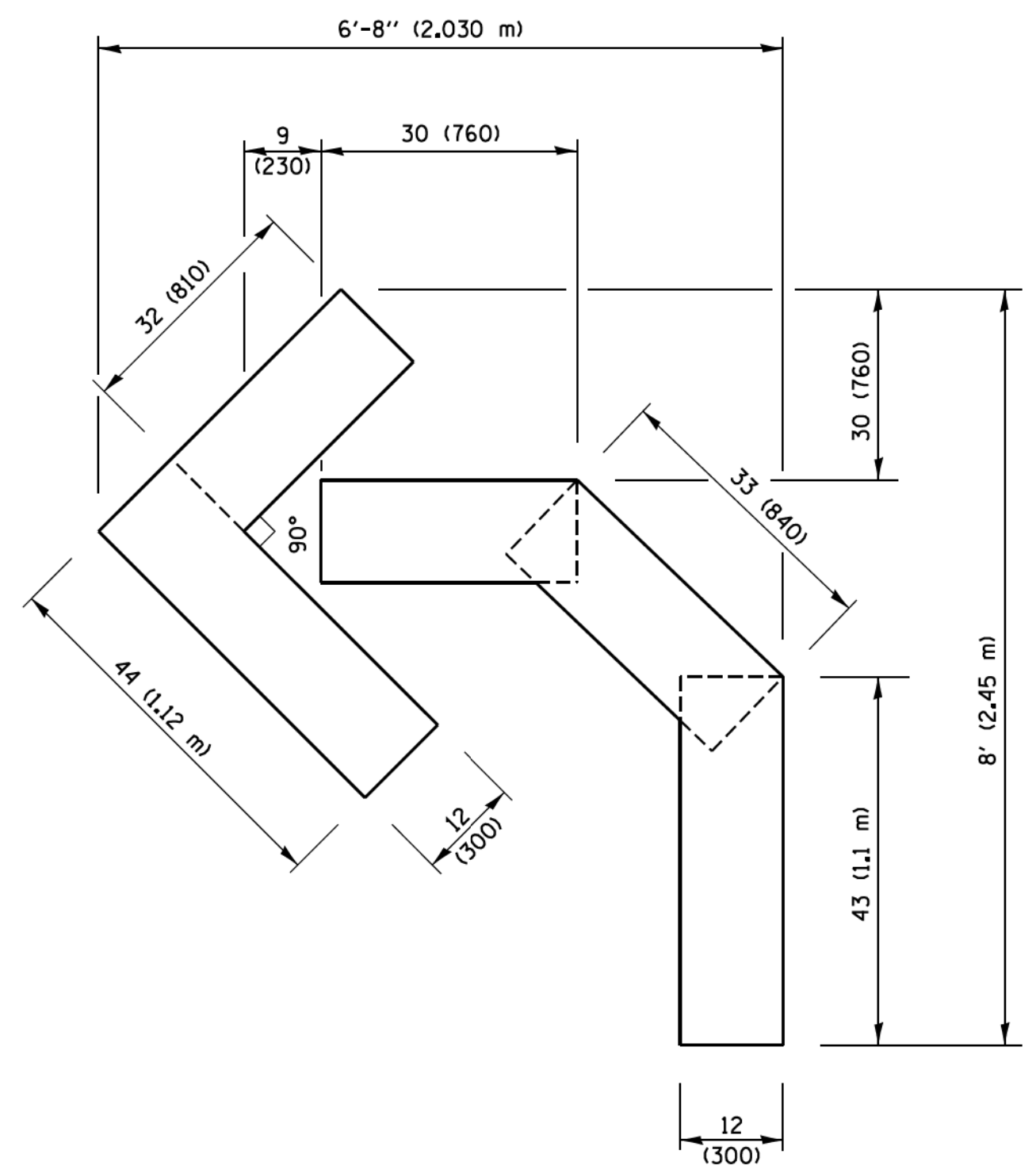
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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1/1/11
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / 1 IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

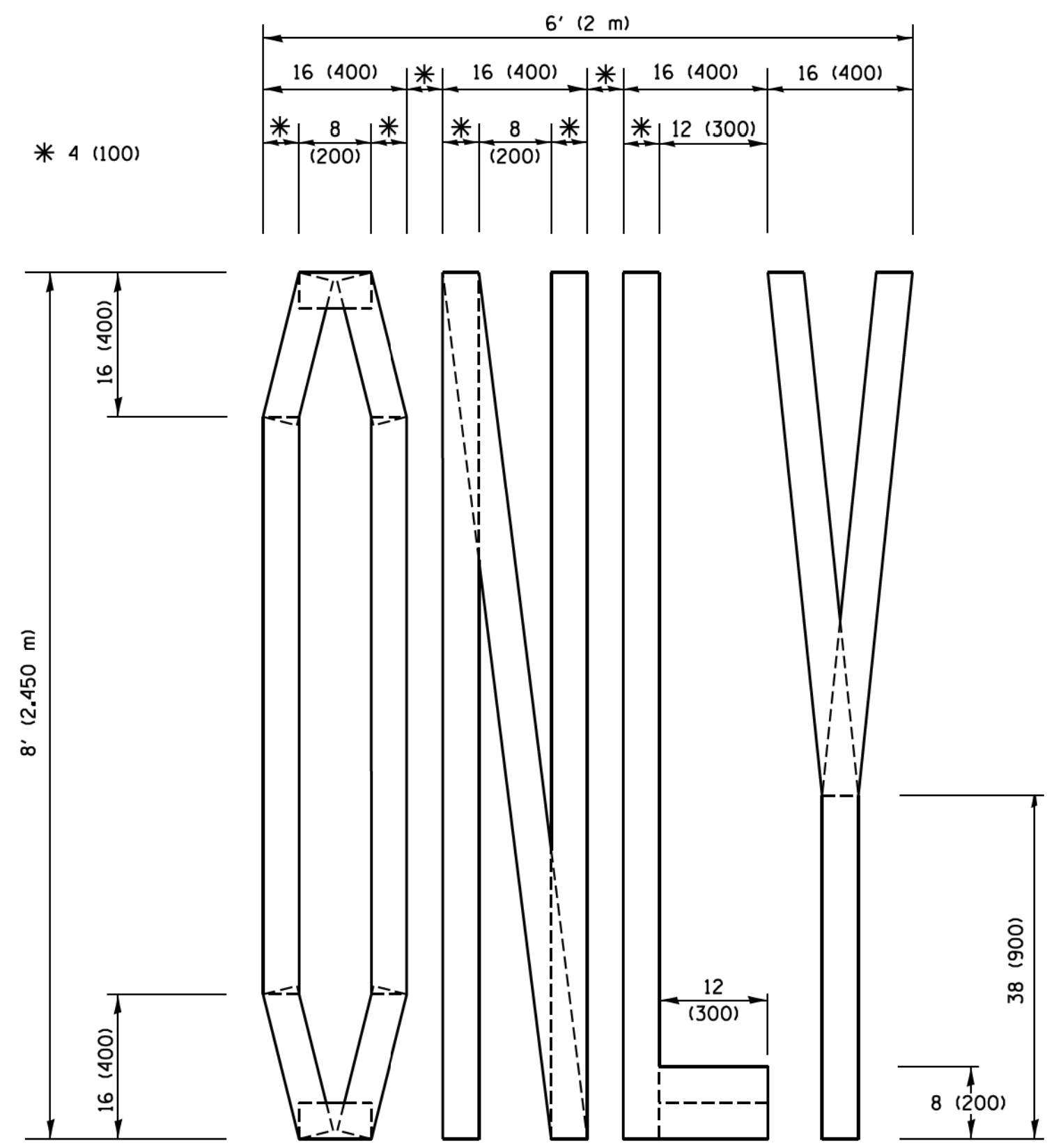
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

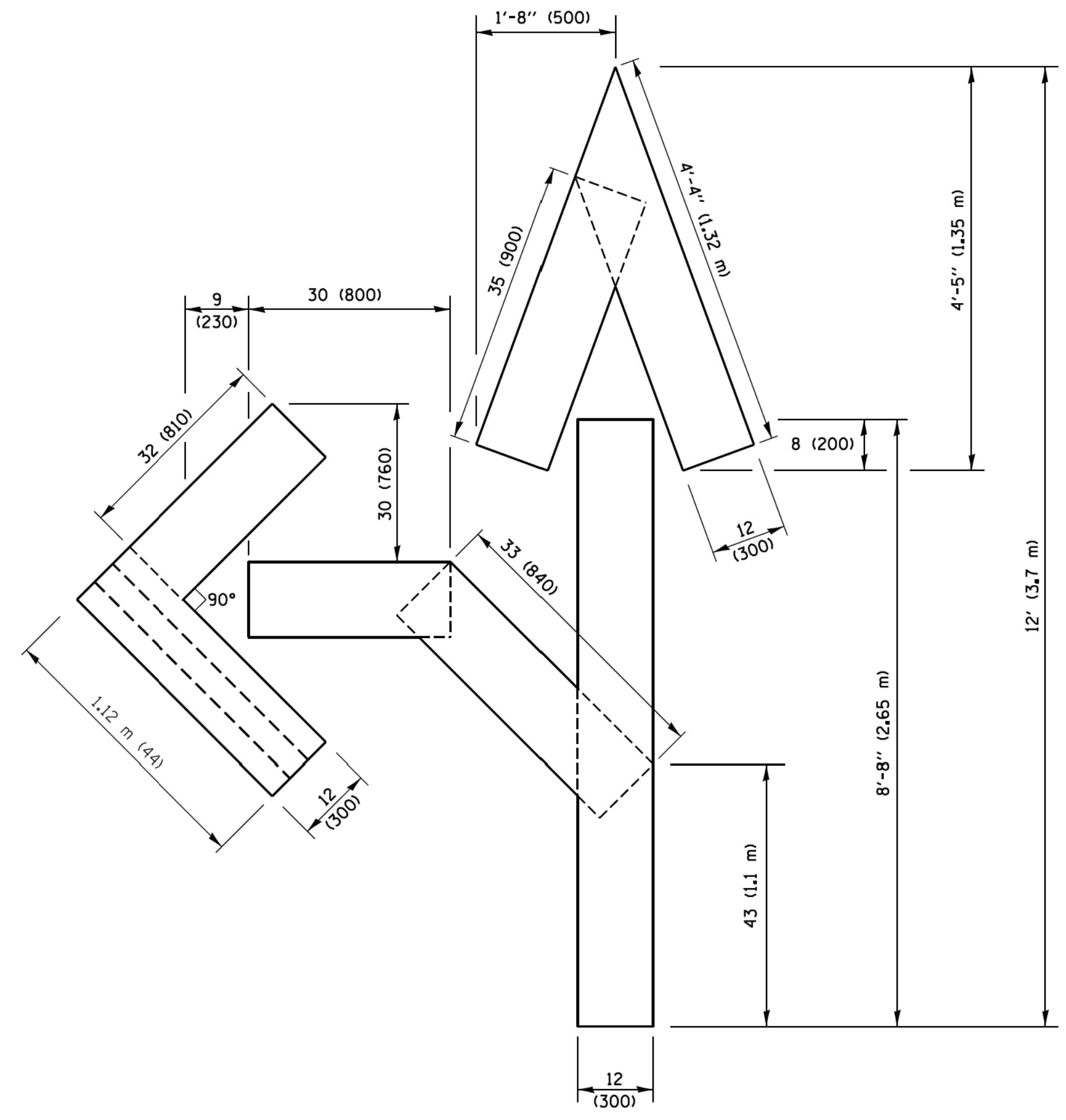
F.A.U. RTE. 1596	SECTION 14-00031-00-RS	COUNTY COOK	TOTAL SHEETS 45	SHEET NO. 37
BD400-05 BD32		CONTRACT NO. 61E46		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

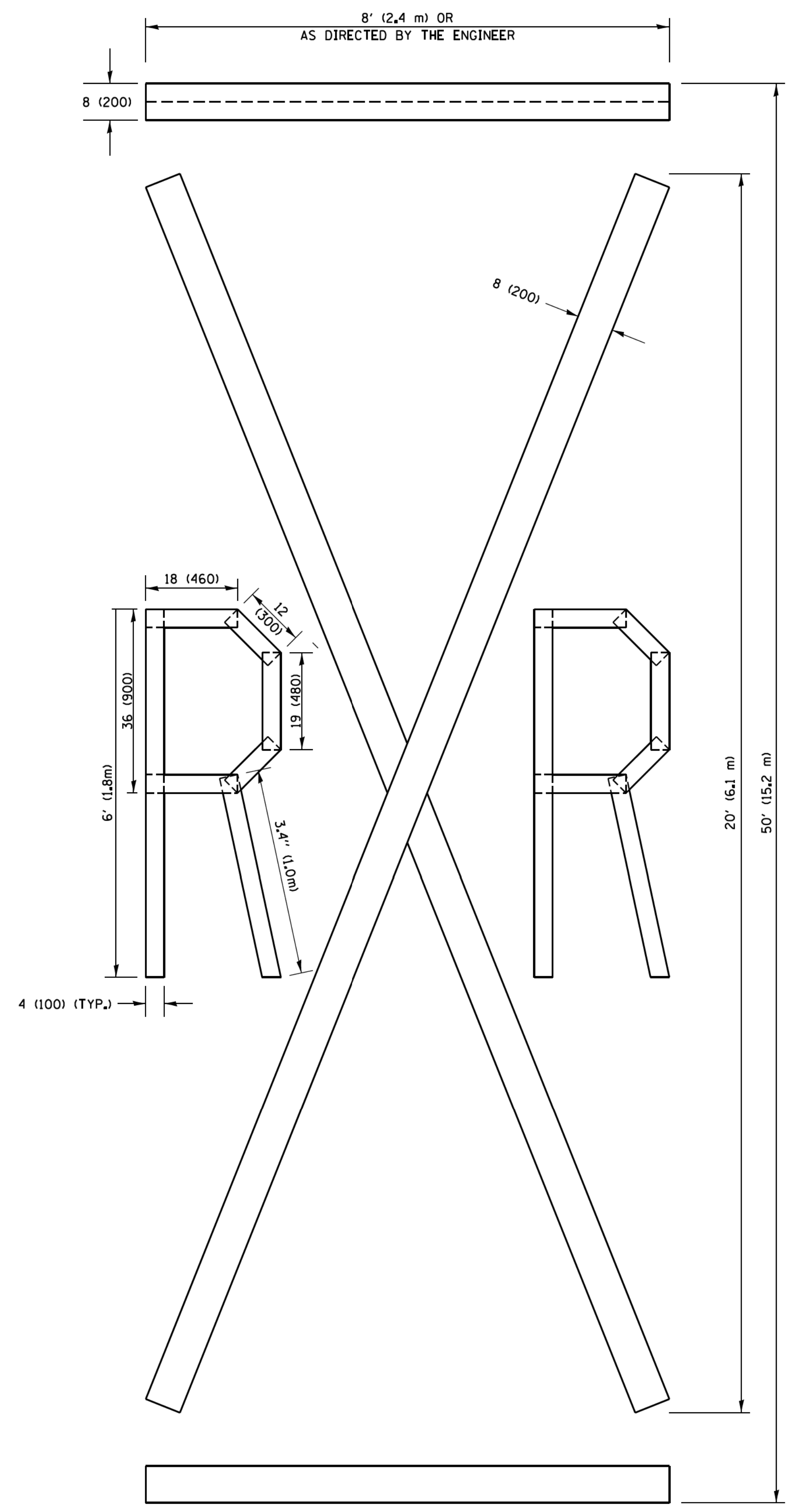


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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

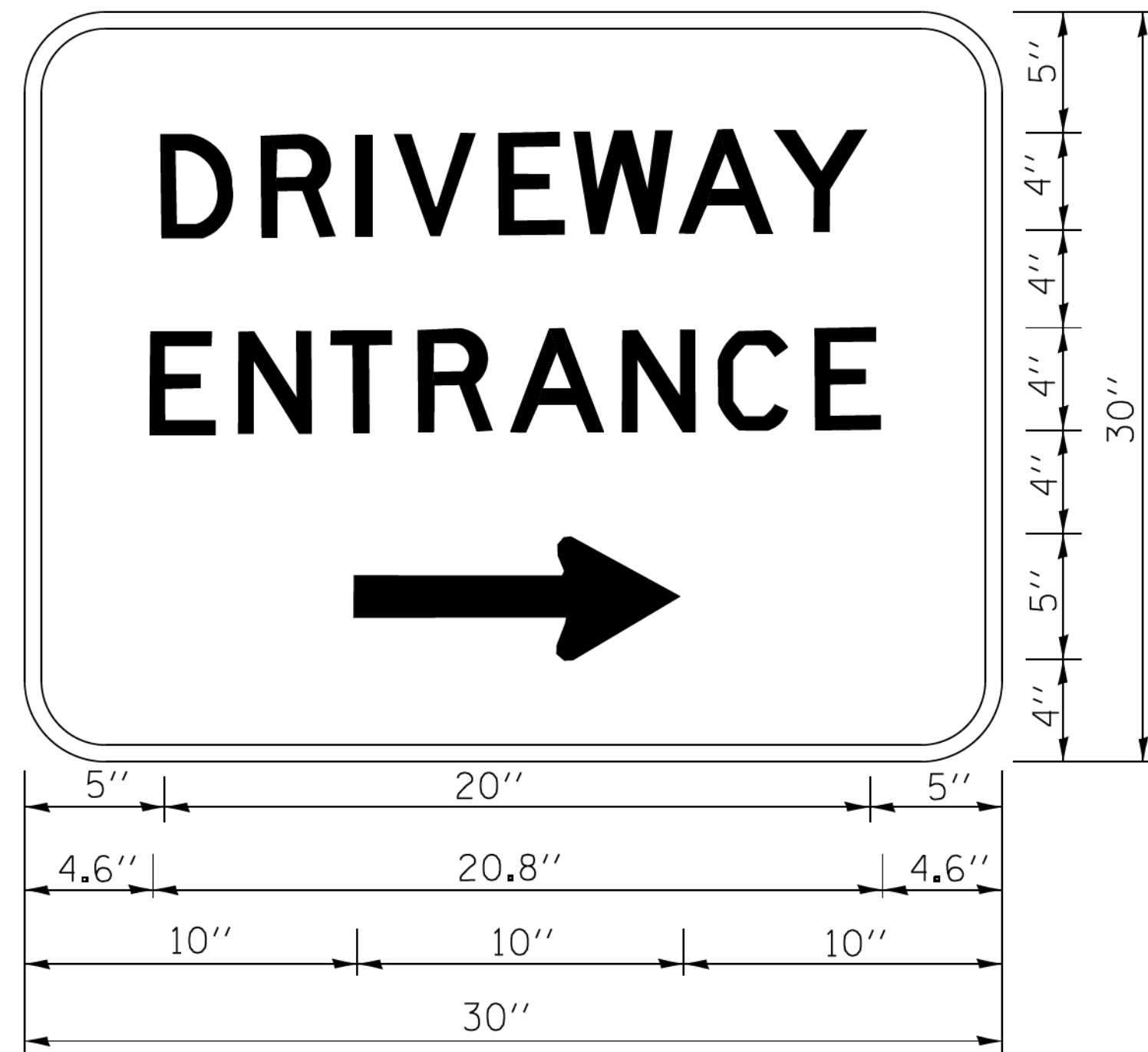


QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 FILE NAME = ...
 USER NAME = footemj
 DESIGNED -
 REVISED - T. RAMMACHER 03-02-98
 DRAWN -
 REVISED - E. GOMEZ 08-28-00
 PLOT SCALE = 50,0000 / 1 in.
 CHECKED -
 REVISED - E. GOMEZ 08-28-00
 PLOT DATE = 9/15/2016
 DATE - 09-18-94
 REVISED - A. SCHUETZE 09-15-16

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.111nois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\CADData\CADsheets\tc16.dgn		DRAWN	REVISED - E. GOMEZ 08-28-00		1596	14-00031-00-RS	COOK	45	42			
		CHECKED -	REVISED - E. GOMEZ 08-28-00		TC-16			CONTRACT NO. 61E46				
		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



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

NOTES:

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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 FILE NO. 14-00031-00-01
 PROJECT NO. 14-00031-00-01
 PROJECT TITLE: DRIVEWAY ENTRANCE SIGNING
 PROJECT LOCATION: COOK COUNTY, ILLINOIS
 PROJECT DATE: 12/13/2012
 PROJECT DRAWN BY: GAGLIANOTTI
 PROJECT CHECKED BY: JUCIUS
 PROJECT DATE: 02-15-07
 PROJECT SCALE: 50.000' / 1"

FILE NAME =	USER NAME = gaglianott	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ca:\pwork\pwork\gaglianott\0108315\to26.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

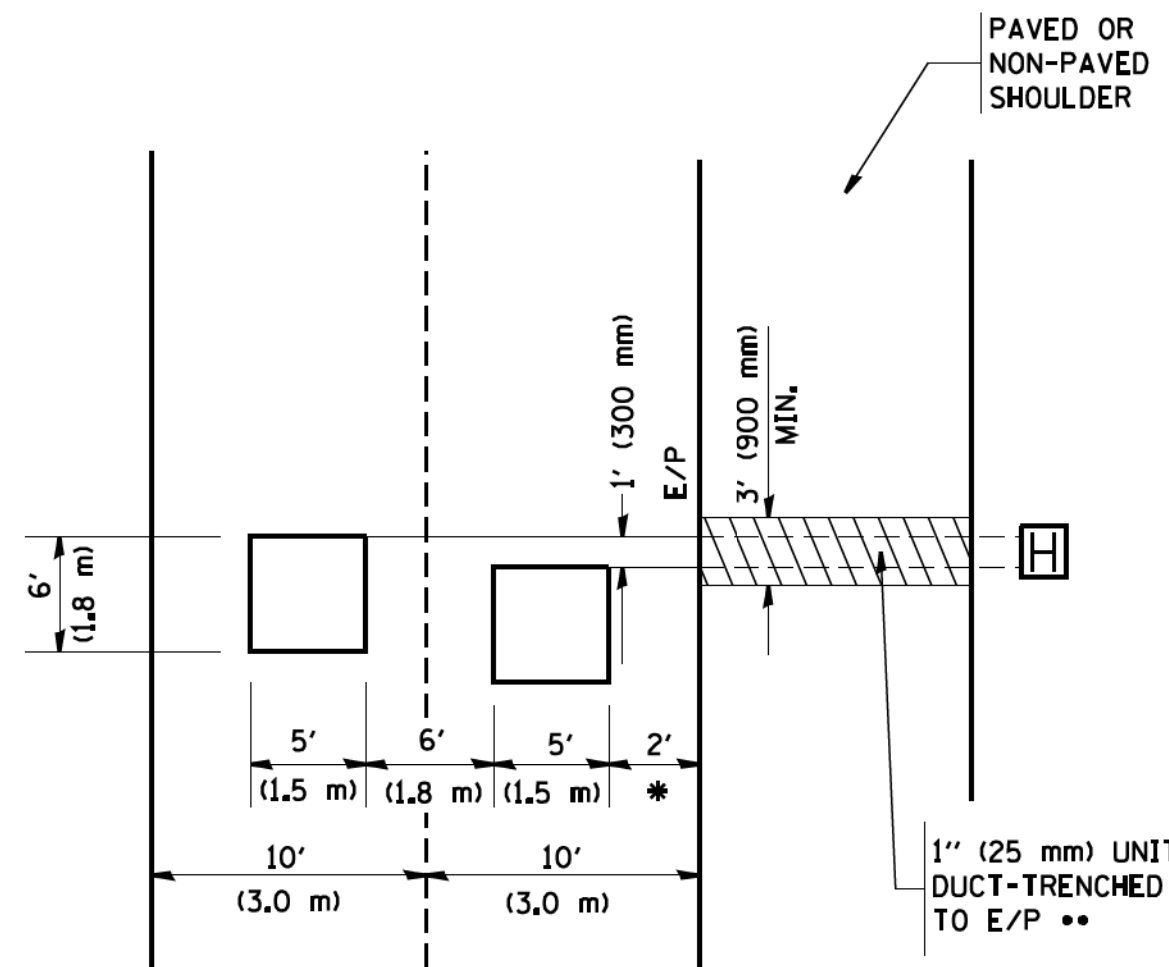
DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1596	14-00031-00-RS	COOK	45	44
TC-26		CONTRACT NO. 61E46		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



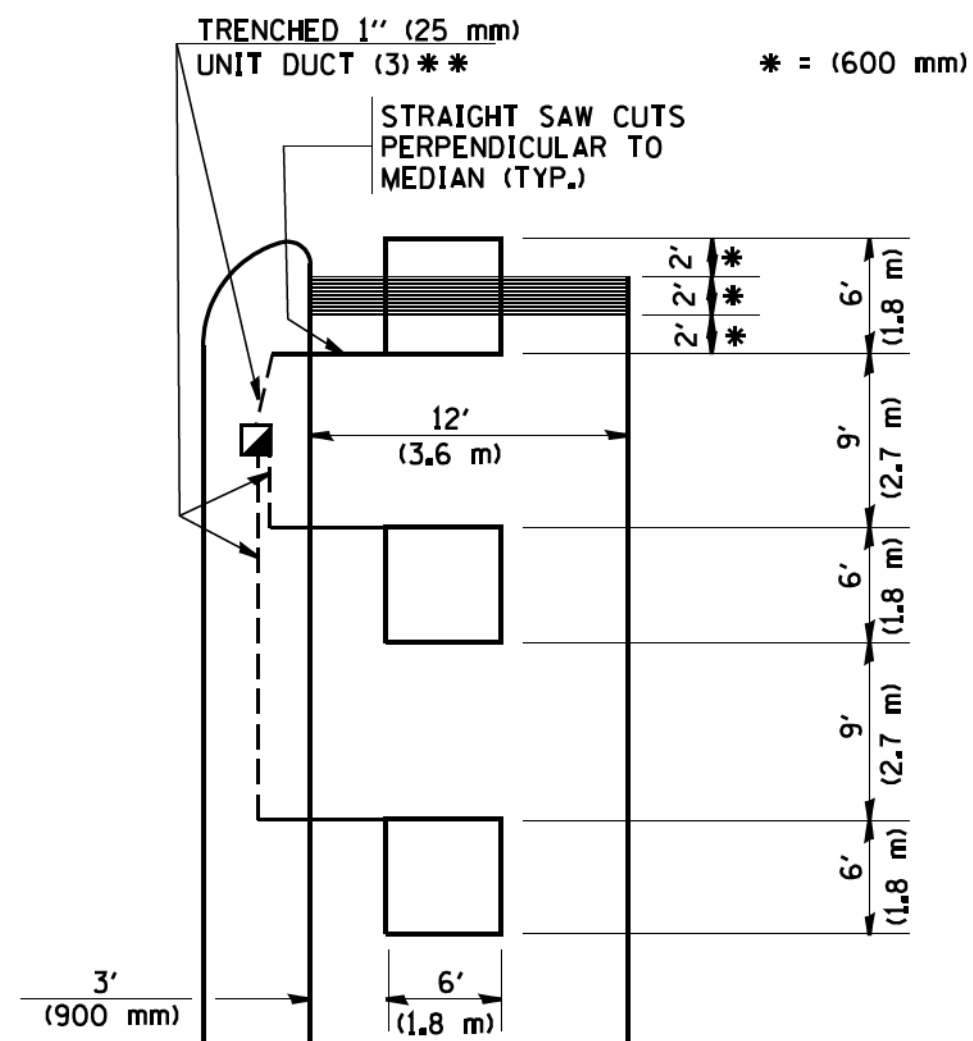
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



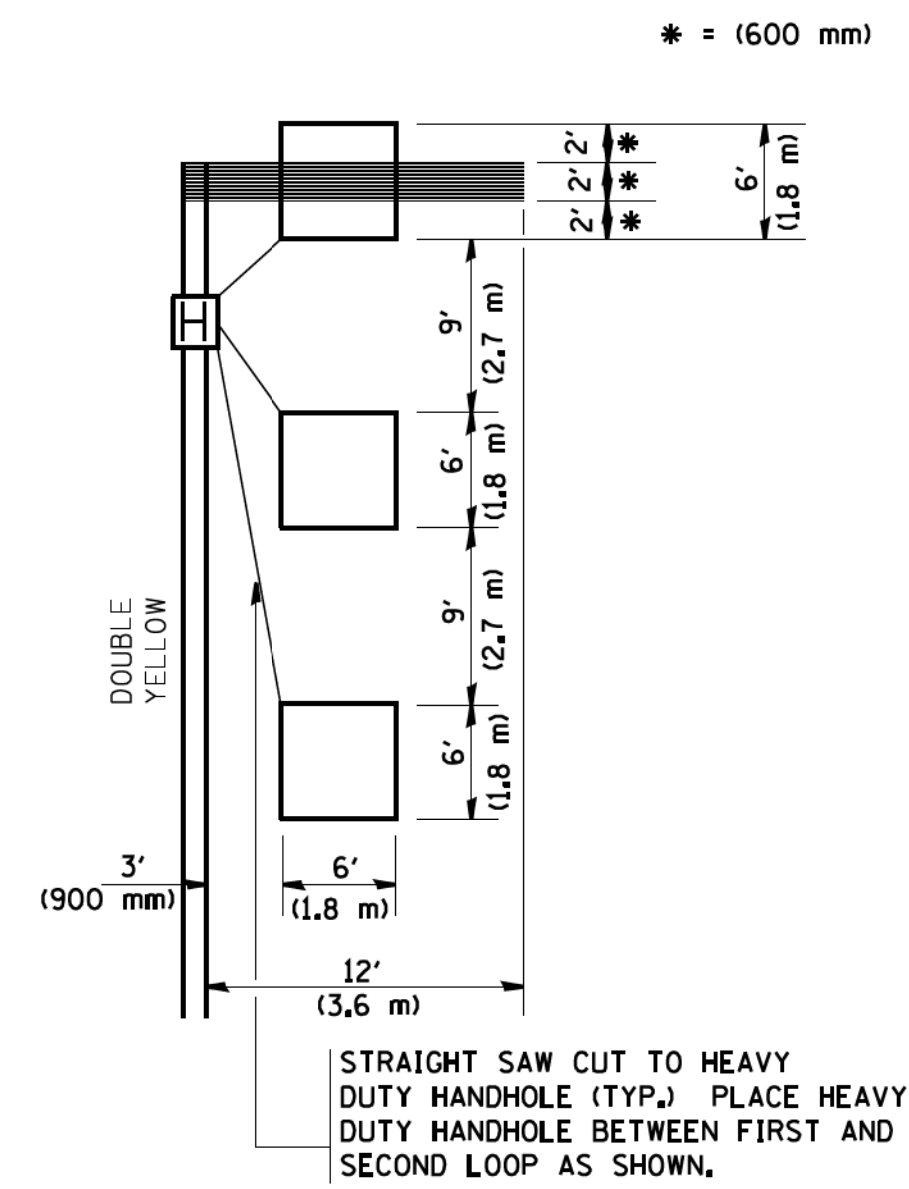
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

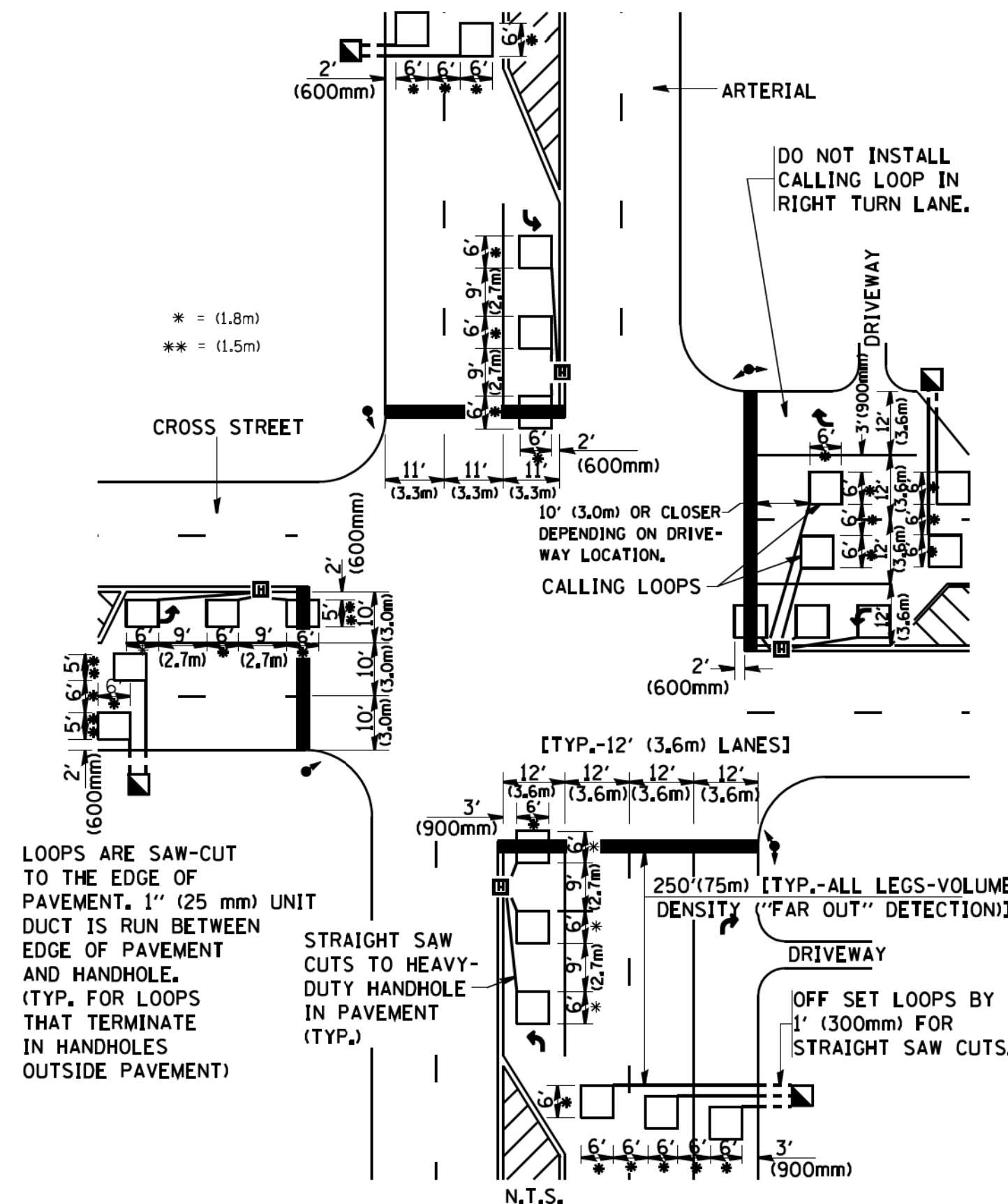
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**

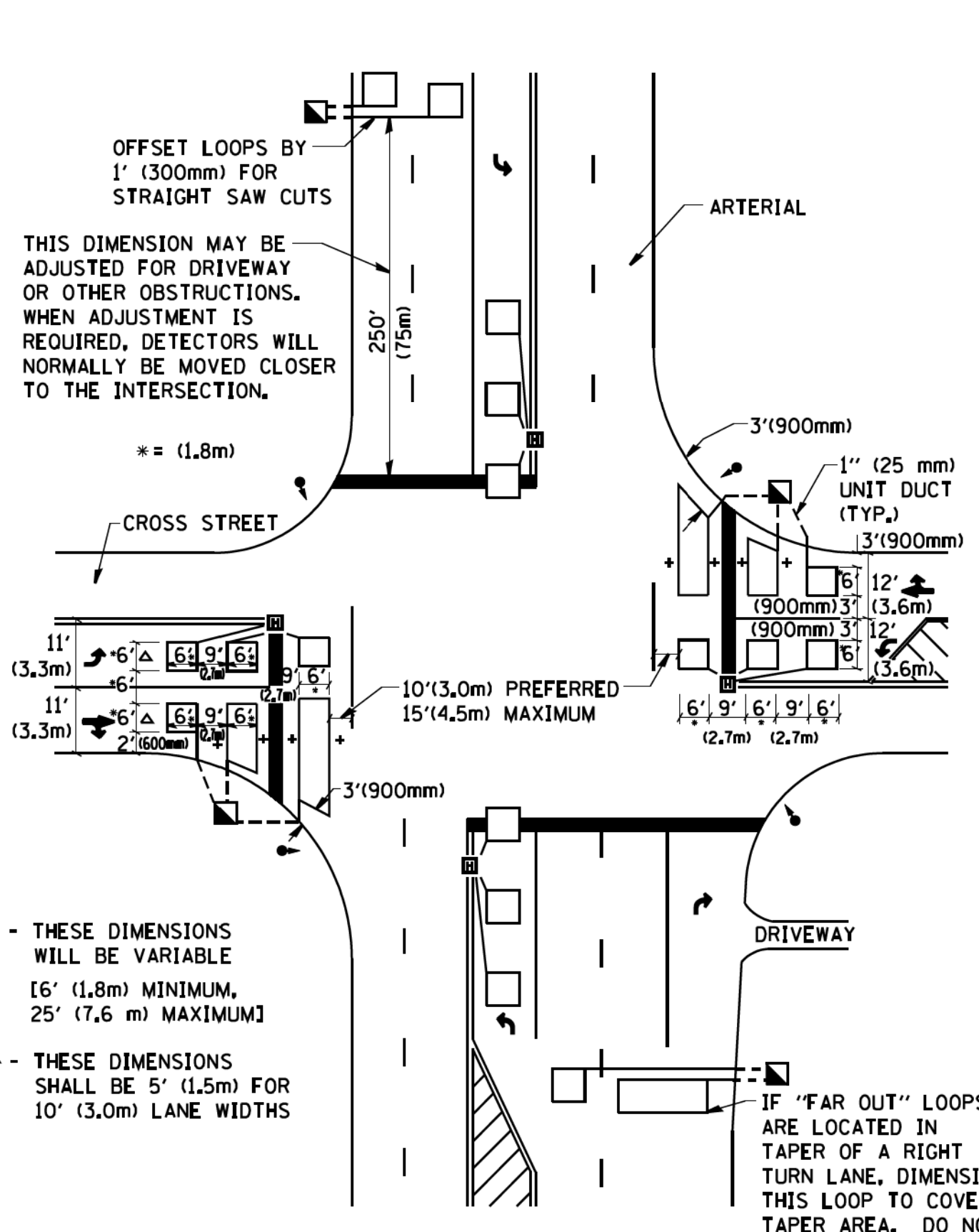


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
N.T.S.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING
SCALE: NONE
SHEET NO. 1 OF 1 SHEETS
STA. TO STA.
F.A.U. RTE. 1596
SECTION 14-00031-00-RS
COUNTY COOK
TOTAL SHEETS 45
SHEET NO. 45
CONTRACT NO. 61E46
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT