

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**TRAFFIC DATA**

EXISTING SHICK ROAD ADT = 11,400 (2020)

FUTURE SHICK ROAD ADT = 15,100 (2050)

**SPEED LIMIT:**

35 MPH (POSTED)

40 MPH (DESIGN)

**DESIGN DESIGNATION:**

SCHICK ROAD - MAJOR COLLECTOR

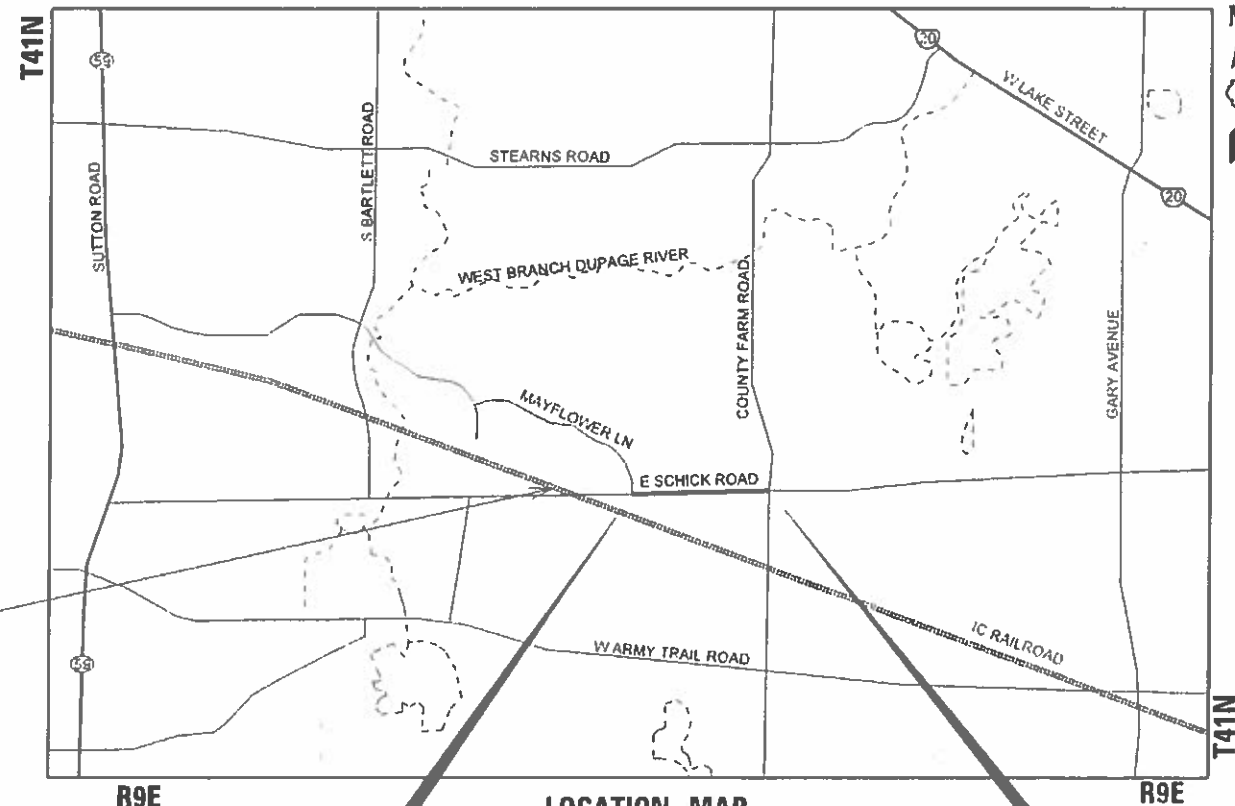
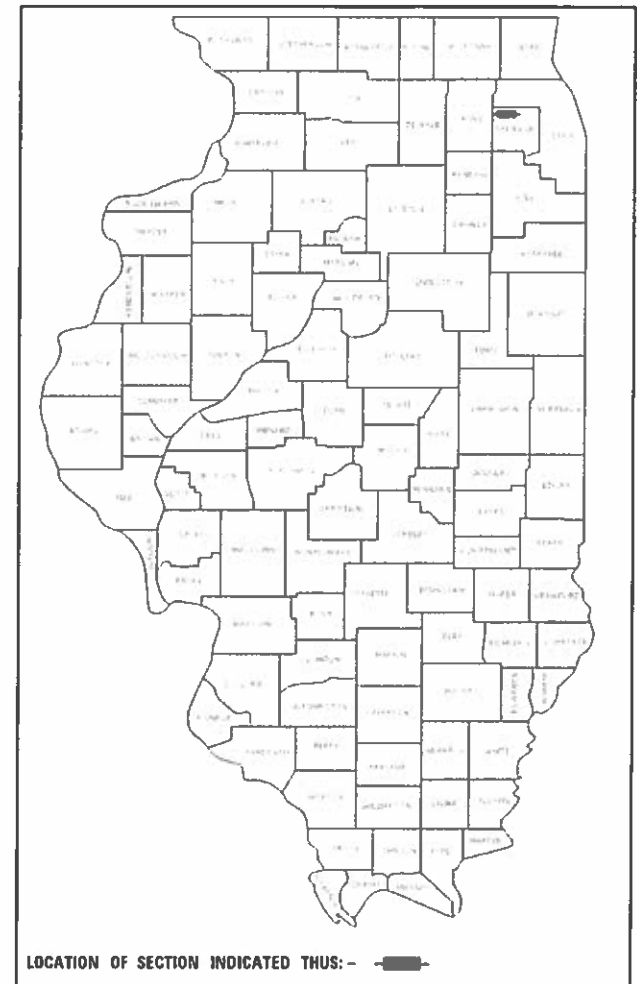
# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1369 (SCHICK ROAD)  
WEST VILLAGE LIMIT TO COUNTY FARM ROAD  
RESURFACING

SECTION NO.: 23-00077-00-RS  
PROJECT NO.: RB04(340)  
VILLAGE OF HANOVER PARK  
DUPAGE COUNTY

C-91-259-24

FAU RTE 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 1
ILLINOIS CONTRACT NO. 61K75				



S.N. 022-6545

**BEGIN IMPROVEMENT**  
STA 10 + 45.15

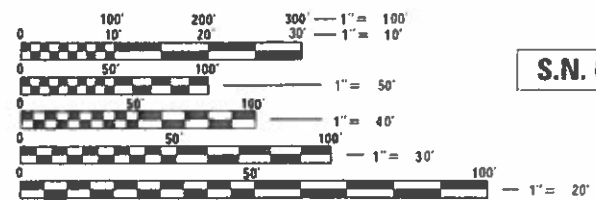
**END IMPROVEMENT**  
STA 49 + 93.91

LOCATION MAP  
NOT TO SCALE



ROAD	STATION	STATION	LENGTH (FT)	LENGTH (MI)
SCHICK ROAD	10 + 45.15	49 + 93.91	3,948.76	0.748
<b>NET AND GROSS LENGTH OF IMPROVEMENT</b>			<b>3,948.76</b>	<b>0.748</b>

JEREMIE LUKOWICZ  
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-064664  
MY LICENSE EXPIRES ON 11-30-2025  
DATE 07/29/2024



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

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

CONSULTING ENGINEERS  
**BLA, Inc.**  
333 PIERCE ROAD SUITE 200 ITASCA, IL 60143  
P: (630) 438 6400 F: (630) 338 6444 www.bla-inc.com

CONTRACT NO.: 61K75

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED *[Signature]* July 16, 2024  
VILLAGE OF HANOVER PARK, VILLAGE ENGINEER

PASSED *[Signature]* Aug 22, 2024  
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW *[Signature]* Aug 22, 2024  
REGIONAL ENGINEER

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

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

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## HIGHWAY STANDARDS

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001006	DECIMAL EQUIVALENTS OF AN INCH-FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
604001-05	FRAME AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B COMBINATION CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 (HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS) THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2024; THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOURS NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH LOCAL EMERGENCY SERVICES AND THE VILLAGE OF HANOVER PARK USING THE FOLLOWING TELEPHONE NUMBERS:  
  
 HANOVER PARK POLICE DEPARTMENT: (630) 823-5500  
  
 HANOVER PARK FIRE DEPARTMENT: (630) 823-5800
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS, IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT OR THE VILLAGE.
- THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
- NITROGEN FERTILIZER, POTASSIUM FERTILIZER, & PHOSPHORUS FERTILIZER SHALL BE PLACED OVER SEEDING AT THE RATE OF 90 POUNDS PER ACRE.
- THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS IS NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT-MIX ASPHALT MIXTURES ARE TO BE PLACED.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB, SIDEWALKS, AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MATCHING SHALL NOT EXCEED 1-1/2" WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1" WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH, WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3" MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINT WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE DISTRICT DETAIL "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- ALL ELEVATIONS ARE ON THE U.S.G.S. DATUM NAVD 88.
- ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR ADA RAMPS, PAVEMENT MARKINGS, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.
- TEMPORARY INFORMATION SIGNING AND CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT PROJECT LIMITS AND INTERSECTIONS, OR AS DIRECTED BY THE ENGINEER, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL USE CAUTION WHEN WORKING NEAR AND UNDER OVERHEAD UTILITY FACILITIES.
- REFER TO ADA RAMP ELEVATION PLAN SHEETS FOR PROPOSED SIDEWALK ELEVATIONS.
- REMOVING EXISTING CURB AND GUTTER AND REPLACING WITH COMBINATION CURB AND GUTTER TYPE B-6.18 SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. THESE ITEMS SHALL BE UTILIZED AS EXISTING FIELD CONDITIONS NECESSITATE.
- SEDDING, CLASS 2A AND TOPSOIL FURNISH AND PLACE. 4" IS ESTIMATED TO BE WITHIN 2' OF THE REMOVAL OR PLACEMENT OF CURB AND SIDEWALK UNLESS OTHERWISE INDICATED.
- INLET FILTERS SHALL BE PLACED IN ALL OPEN FRAME STRUCTURES WITHIN THE PAVEMENT AND CURB.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- CONTRACTOR SHALL PROVIDE 2 IN. X 8 IN. X 8 FT. BOARDS BANDED CONTINUOUSLY AROUND EACH TREE TRUNK TO PREVENT SCARRING OF TREES SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CADD\_SHEETS\774-032\_2\_GN.dgn

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	PLOT SCALE = 100.0000' / in.	CHECKED - JL	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA. N/A	TO STA. N/A	ILLINOIS	DUPAGE	37
	PLOT DATE = 8/14/2024	DATE - 07/29/2024	REVISED -		<b>INDEX OF SHEETS, HIGHWAY STANDARDS, GEN. NOTES &amp; COMMITMENTS</b>				23-00077-00-RS		CONTRACT NO. 61K75		

FILE NAME : FA1774-002 Hanover Park Schick Rd Phase II Engineering CADD SHEETS\1774-002\_3\_000.dwg

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
				STU 70% FED 30% LOCAL	STU 70% FED 30% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAINCES
				0005	0042
20101100	TREE TRUNK PROTECTION	EACH	15	15	
20200100	EARTH EXCAVATION	CU YD	40	40	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	40	40	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	400	400	
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	7	7	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	7	7	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	7	7	
25100630	EROSION CONTROL BLANKET	SQ YD	400	400	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5	5	
28000510	INLET FILTERS	EACH	39	39	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13,935	13,935	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	12,100	12,100	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	152	152	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30	
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1,735	1,735	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,020	2,020	

# SPECIALTY ITEM



USER NAME = yconzreaa	DESIGNED = YC	REVISED =
PLOT SCALE = 100.0000 / 1 in.	DRAWN = YC	REVISED =
PLOT DATE = 07/14/2024	CHECKED = JL	REVISED =
	DATE = 07/29/2024	REVISED =

VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
SUMMARY OF QUANTITIES

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	3
			CONTRACT NO. 61K75	
[ILLINOIS]				

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
				STU 70% FED 30% LOCAL	STU 70% FED 30% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAINEES
				0005	0042
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,800	1,800	
42400800	DETECTABLE WARNINGS	SQ FT	132	132	
44000161	HOT MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	20,600	20,600	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,800	1,800	
44000600	SIDEWALK REMOVAL	SQ FT	1,800	1,800	
44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	1,000	1,000	
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	1,000	1,000	
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	1,000	1,000	
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	1,000	1,000	
48301000	PROTECTIVE COAT	SQ YD	680	680	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	13	13	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 12	FOOT	500	500	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 18	FOOT	1,300	1,300	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	

# SPECIALTY ITEM

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VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
SUMMARY OF QUANTITIES

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1389	23-00077-00-RS	DUPAGE	37	4
			CONTRACT NO. 61K75	
ILLINOIS				



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SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
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				ROADWAY 0005	IKAINES 0042
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15,000	15,000	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	7,500	7,500	
# 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	565	565	
# 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,135	12,135	
# 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,035	2,035	
# 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,320	1,320	
# 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	180	180	
X0326806	WASHOUT BASIN	L SUM	1	1	
X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	3	3	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	1	
# X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1,200	1,200	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51	51	
Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	1	1	

# SPECIALTY ITEM



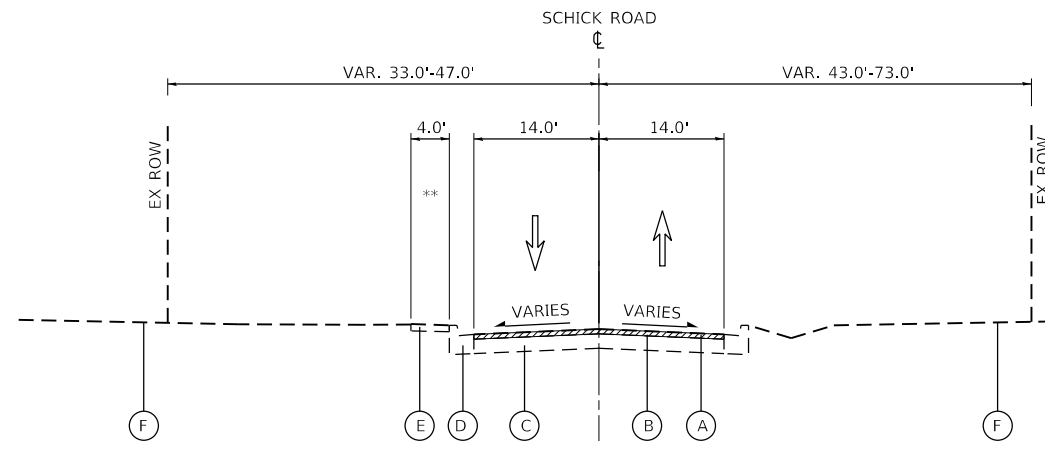
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VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
SUMMARY OF QUANTITIES

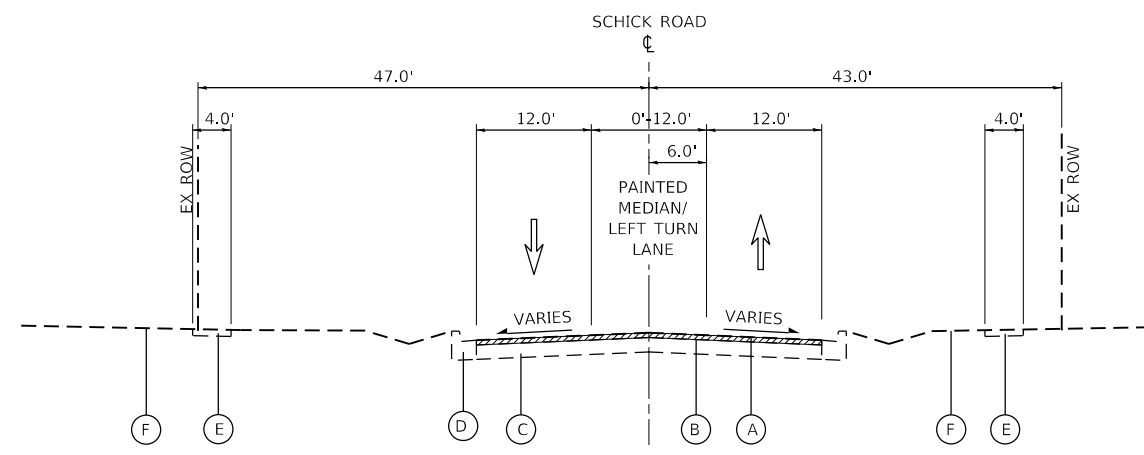
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F.A.U RTE. 1389	SECTION 23-00677-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 5
CONTRACT NO. 61K75			ILINDIS	



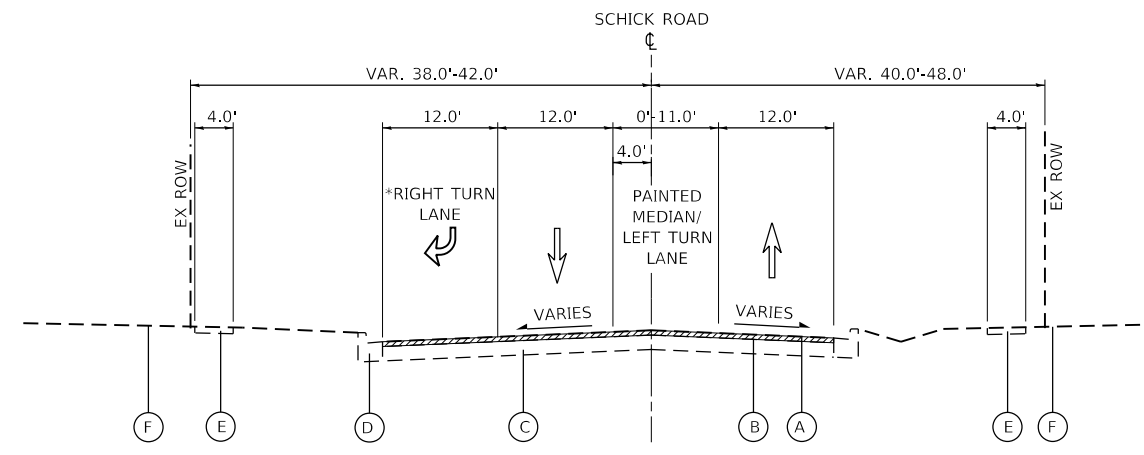
**EXISTING TYPICAL SECTION**

STA. 10+45.15 TO 14+00.00, SCHICK ROAD  
 \*\*10+45.15 TO 12+32.00



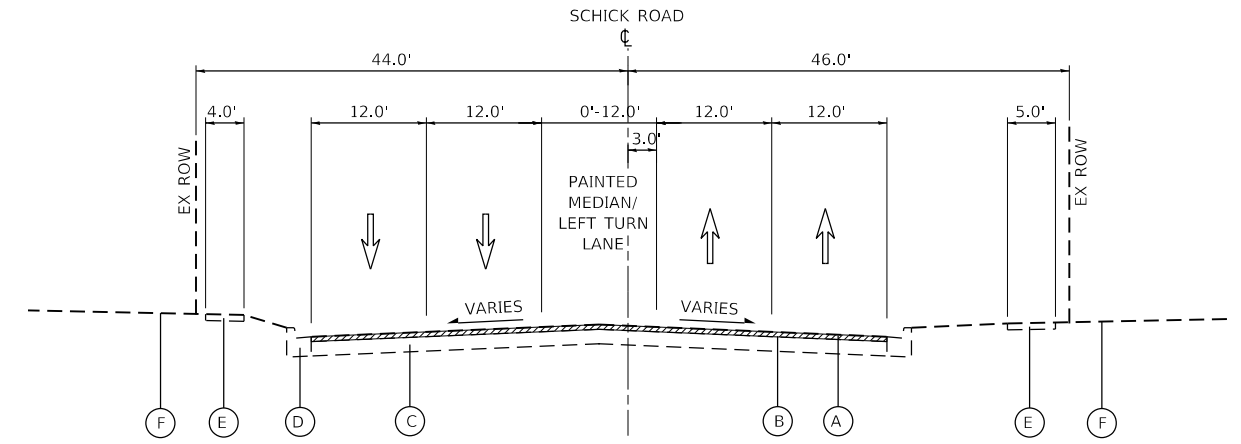
**EXISTING TYPICAL SECTION**

STA. 14+00.00 TO 19+00.00, SCHICK ROAD



**EXISTING TYPICAL SECTION**

STA. 19+00.00 TO 39+75.00, SCHICK ROAD  
 \*19+38.00 TO 21+12.00  
 \*23+18.00 TO 24+96.00  
 \*31+00.00 TO 32+69.00  
 \*33+38.00 TO 39+65.00



**EXISTING TYPICAL SECTION**

STA. 39+75.00 TO 49+93.91, SCHICK ROAD

**EXISTING LEGEND**

- (A) EX. HOT-MIX ASPHALT SURFACE COURSE, VAR. 1.75" TO 2.75" (R)
- (B) EX. HOT-MIX ASPHALT BINDER COURSE, VAR. 2" TO 7.75" (R)
- (C) EX. AGGREGATE SUBGRADE, VAR. 8.25" TO 12"
- (D) EX. COMB. CONCRETE CURB AND GUTTER, TYPE B-6.18
- (E) EX. PCC SIDEWALK
- (F) EX. TOPSOIL

ITEM WITH (R) ARE TO BE REMOVED AND REPLACED AS SHOWN ON THE TYPICAL SECTIONS AND/OR ON THE PLANS



+SIDEWALKS WILL BE IDENTIFIED BY THE PLANS OR THE ENGINEER FOR REMOVAL AND REPLACEMENT. EACH PROPOSED SIDEWALK SHALL CONSIST OF AGGREGATE BASE COURSE, TYPE B, 4" (INCLUDED IN THE COST OF PCC SIDEWALK 5 INCH) AND PCC SIDEWALK, 5"

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CADD\_SHEETS\774-032\_4\_Typical\_Sections.dgn



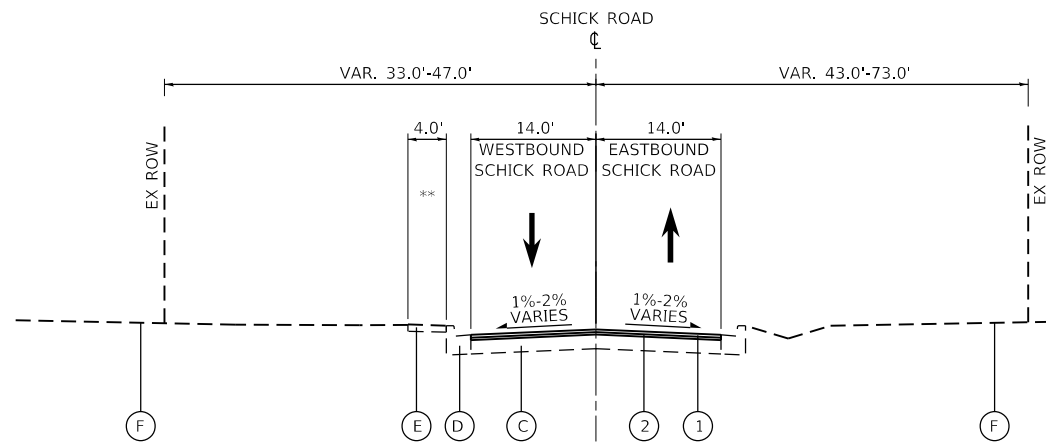
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PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
EXISTING TYPICAL SECTIONS**

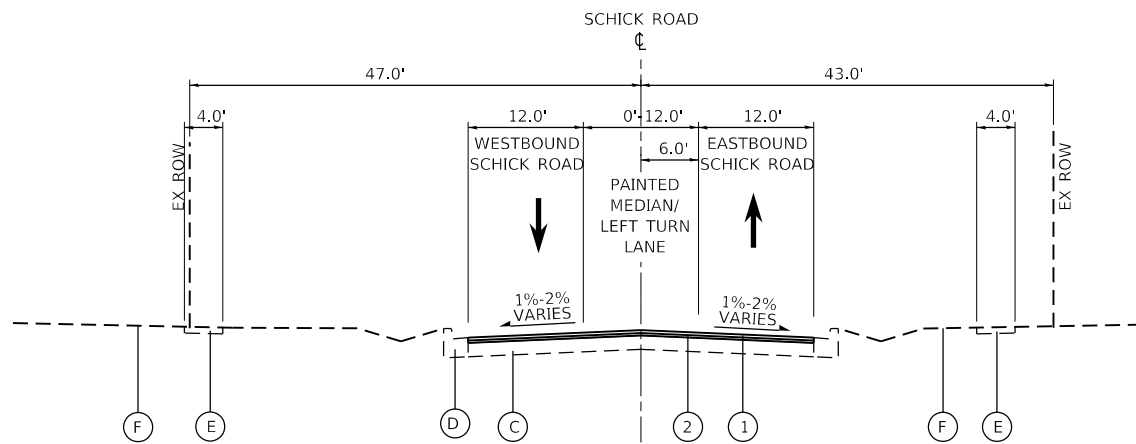
SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	6
ILLINOIS			CONTRACT NO. 61K75	



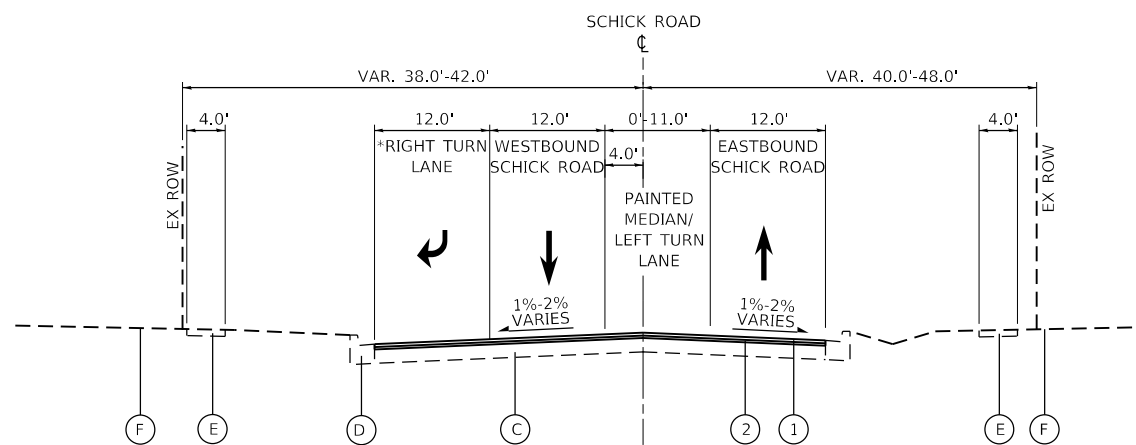
**PROPOSED TYPICAL SECTION**

STA. 10+45.15 TO 14+00.00, SCHICK ROAD  
 \*\*10+45.15 TO 12+32.00



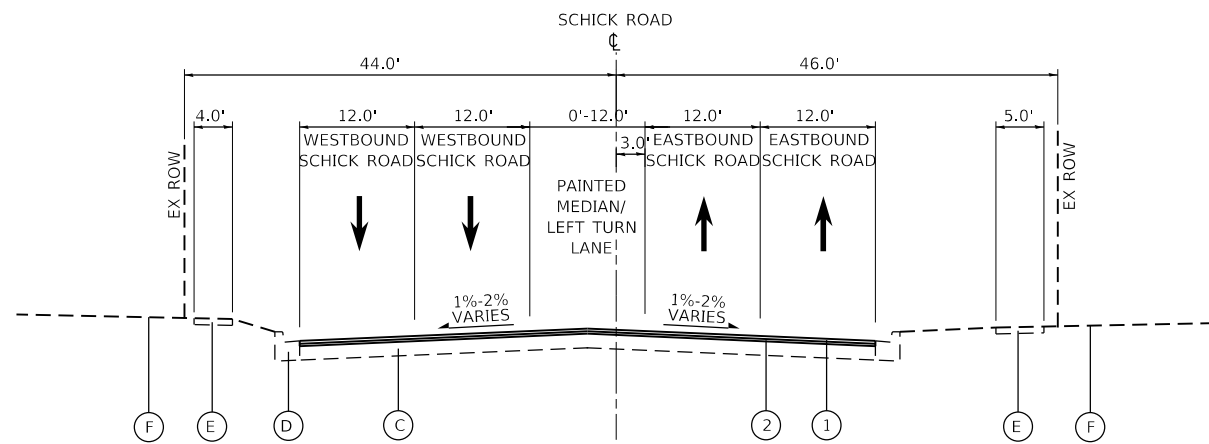
**PROPOSED TYPICAL SECTION**

STA. 14+00.00 TO 19+00.00, SCHICK ROAD



**PROPOSED TYPICAL SECTION**

STA. 19+00.00 TO 39+75.00, SCHICK ROAD  
 \*19+38.00 TO 21+12.00  
 \*23+18.00 TO 24+96.00  
 \*31+00.00 TO 32+69.00  
 \*33+38.00 TO 39+65.00



**PROPOSED TYPICAL SECTION**

STA. 39+75.00 TO 49+93.91, SCHICK ROAD

**EXISTING LEGEND**

- (A) EX. HOT-MIX ASPHALT SURFACE COURSE, VAR. 1.75" TO 2.75" (R)
- (B) EX. HOT-MIX ASPHALT BINDER COURSE, VAR. 2" TO 7.75" (R)
- (C) EX. AGGREGATE SUBGRADE, VAR. 8.25" TO 12"
- (D) EX. COMB. CONCRETE CURB AND GUTTER, TYPE B-6.18
- (E) EX. PCC SIDEWALK
- (F) EX. TOPSOIL

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N70, 1.75"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1.5"

+SIDEWALKS WILL BE IDENTIFIED BY THE PLANS OR THE ENGINEER FOR REMOVAL AND REPLACEMENT. EACH PROPOSED SIDEWALK SHALL CONSIST OF AGGREGATE BASE COURSE, TYPE B, 4" (INCLUDED IN THE COST OF PCC SIDEWALK 5" INCH) AND PCC SIDEWALK, 5"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS	QMP
PAVEMENT RESURFACING-EXISTING HMA SECTION			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 MM)	4% @ 70 GYR	1.75"	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	4% @ 70 GYR	1.5"	LR 1030-2
PAVEMENT PATCHING			
CLASS D PATCHES, HOT-MIX ASPHALT BINDER (IL 19MM)	4% @ 70 GYR	7.0"	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2			

**NOTES:**

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.

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

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-9.5, N70.

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CADD\_SHEETS\774-032\_4\_Typical\_Sections.dgn



USER NAME = ycontreras	DESIGNED - YC	REVISED -
PLOT SCALE = 20,000' / in.	DRAWN - YC	REVISED -
PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
 PROPOSED TYPICAL SECTIONS**

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

F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 7
CONTRACT NO. 61K75			ILLINOIS	

STATION	STATION	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N70, 1-3/4" (TON)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (TON)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)	BITUMINOUS MATERIALS (TRACK COAT) (POUND)	PROTECTIVE COAT (SQ YD)	LONGITUDINAL JOINT SEALANT (FOOT)	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SQ FT)
10+00	16+00	172	147	0	0	1184	0	555	0
16+00	24+00	309	265	188	185	2130	159	1950	596
22+00	28+00	262	225	20	25	1808	24	1900	116
28+00	34+00	261	224	44	30	1800	39	1900	187
34+00	40+00	323	277	72	43	2,227	61	2000	296
40+00	46+00	386	331	71	36	2660	67	2100	400
46+00	50+00	253	217	0	0	1740	0	1576	0
ADDITIONAL QUANTITY TO BE USED AT ENGINEERS DISCRETION		54	49	105	981	386	330	119	205
<b>TOTAL</b>		<b>2020</b>	<b>1735</b>	<b>500</b>	<b>1300</b>	<b>13935</b>	<b>680</b>	<b>12100</b>	<b>1800</b>

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		
STATION	STATION	AREA (SQ FT)
10+00	16+00	0.0
16+00	24+00	220.0
22+00	28+00	37.0
28+00	34+00	73.0
34+00	40+00	99.0
40+00	46+00	63.0
46+00	50+00	73.0
<b>TOTAL</b>		<b>565.0</b>

STATION	STATION	HOT-MIX ASPHALT SURFACE REMOVAL, 3" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	SIDEWALK REMOVAL (SQ FT)
10+00	16+00	1,740	14	0	0
16+00	24+00	3,155	32	373	548
22+00	28+00	2,678	12	45	116
28+00	34+00	2,667	12	74	329
34+00	40+00	3,299	25	115	304
40+00	46+00	3941	27	107	373
46+00	50+00	2548	30	0	0
ADDITIONAL QUANTITY TO BE USED AT ENGINEERS DISCRETION		572	0	1086	130
<b>TOTAL</b>		<b>20,600</b>	<b>152</b>	<b>1,800</b>	<b>1,800</b>

INLET FILTERS		
STATION	OFFSET	QUANTITY (EACH)
11+09.68	14.4' RT	1
15+96.46	18.0' LT	1
15+97.22	17.8' RT	1
17+41.50	18.9' LT	1
17+41.84	18.5' RT	1
17+50.98	18.5' RT	1
17+50.00	18.9' LT	1
18+81.37	41.9' RT	1
18+82.37	61.3' LT	1
19+14.60	42.2' RT	1
19+16.69	59.3' LT	1
19+95.33	29.4' LT	1
19+95.42	19.3' RT	1
22+73.59	45.0' LT	1
23+00.08	53.4' LT	1
23+35.88	33.6' LT	1
23+37.30	15.4' RT	1
29+68.99	18.4' LT	1
29+68.99	18.5' RT	1
33+48.70	17.1' LT	1
33+48.70	21.7' RT	1
35+59.06	34.4' RT	1
36+40.50	25.0' LT	1
36+47.50	23.7' RT	1
36+49.86	25.3' LT	1
36+56.25	23.7' RT	1
37+42.44	59.9' LT	1
37+69.35	59.9' LT	1
38+08.52	27.2' LT	1
38+09.30	22.4' RT	1
41+82.00	47.1' RT	1
42+03.76	28.0' LT	1
42+12.00	28.0' LT	1
42+13.52	29.4' RT	1
42+23.36	29.4' RT	1
43+39.33	38.5' LT	1
43+81.99	39.2' LT	1
47+70.97	28.5' RT	1
47+75.40	34.2' LT	1
<b>TOTAL</b>		<b>39</b>

THERMOPLASTIC PAVEMENT MARKING - LINE 4"			
STATION	STATION	TYPE	LENGTH (FOOT)
10+00	16+00	DOUBLE YELLOW	1510
16+00	24+00	DOUBLE YELLOW	1790
22+00	28+00	DOUBLE YELLOW	2044
28+00	34+00	DOUBLE YELLOW	1,900
34+00	40+00	DOUBLE YELLOW	1,392
34+00	40+00	SKIP DASH YELLOW	54
34+00	40+00	SOLID	216
34+00	40+00	SKIP DASH WHITE	26
40+00	46+00	DOUBLE YELLOW	1370
40+00	46+00	SKIP DASH YELLOW	66
40+00	46+00	SOLID	264
40+00	46+00	SKIP DASH WHITE	184
46+00	50+00	DOUBLE YELLOW	1118
46+00	50+00	SKIP DASH WHITE	201
<b>TOTAL</b>			<b>12135</b>

DETECTABLE WARNINGS		
STATION	STATION	QUANTITY (SQ FT)
16+00	22+00	32
22+00	28+00	16
28+00	34+00	16
34+00	40+00	32
40+00	46+00	36
<b>TOTAL</b>		<b>132</b>

FRAMES AND LIDS TO BE ADJUSTED		
STATION	OFFSET	QUANTITY (EACH)
18+78.57	19.8' RT	1
18+81.37	41.9' RT	1
18+82.37	61.3' LT	1
19+14.60	42.2' RT	1
19+16.69	59.3' LT	1
19+23.61	35.5' RT	1
22+73.59	45.0' LT	1
23+00.08	53.4' LT	1
35+59.06	34.4' RT	1
35+74.12	28.9' RT	1
41+82.00	47.1' RT	1
43+39.33	38.5' LT	1
43+81.99	39.2' LT	1
<b>TOTAL</b>		<b>13</b>

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)		
STATION	OFFSET	QUANTITY (EACH)
36+00.16	40.3' RT	1
<b>TOTAL</b>		<b>1</b>

THERMOPLASTIC PAVEMENT MARKING - LINE 6"			
STATION	STATION	TYPE	LENGTH (FOOT)
16+00	22+00	CROSSWALK	322
16+00	22+00	SOLID	415
16+00	22+00	2'6" DASH	92
22+00	28+00	SOLID	132
22+00	28+00	2'6" DASH	26
22+00	28+00	CROSSWALK	52
28+00	34+00	SOLID	193
28+00	34+00	2'6" DASH	65
34+00	40+00	SOLID	447
34+00	40+00	2'6" DASH	17
46+00	50+00	SOLID	223
46+00	50+00	2'6" DASH	51
<b>TOTAL</b>			<b>2035</b>

THERMOPLASTIC PAVEMENT MARKING - LINE 12"			
STATION	STATION	TYPE	LENGTH (FOOT)
10+00	16+00	SOLID YELLOW	40
16+00	22+00	SOLID YELLOW	84
22+00	28+00	SOLID YELLOW	295
28+00	34+00	SOLID YELLOW	283
34+00	40+00	SOLID YELLOW	251
34+00	40+00	SOLID WHITE	138
40+00	46+00	SOLID YELLOW	195
46+00	50+00	SOLID YELLOW	34
<b>TOTAL</b>			<b>1320</b>

THERMOPLASTIC PAVEMENT MARKING - LINE 24"			
STATION	STATION	TYPE	LENGTH (FOOT)
16+00	22+00	STOP BAR	98
22+00	28+00	STOP BAR	13
28+00	34+00	STOP BAR	13
34+00	40+00	STOP BAR	28
40+00	46+00	STOP BAR	28
<b>TOTAL</b>			<b>180</b>

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CA0D\_SHEETS\774-032\_5\_Schedule of Quantities.dgn



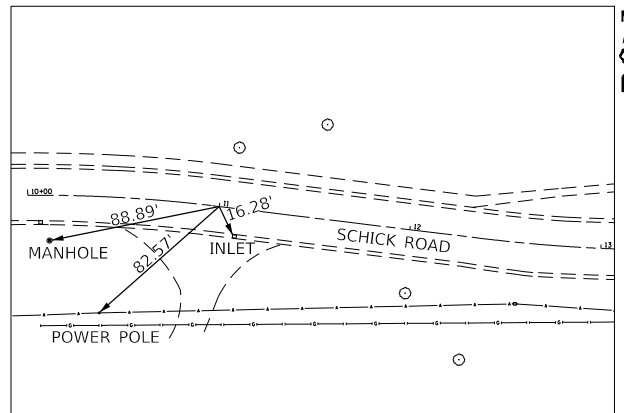
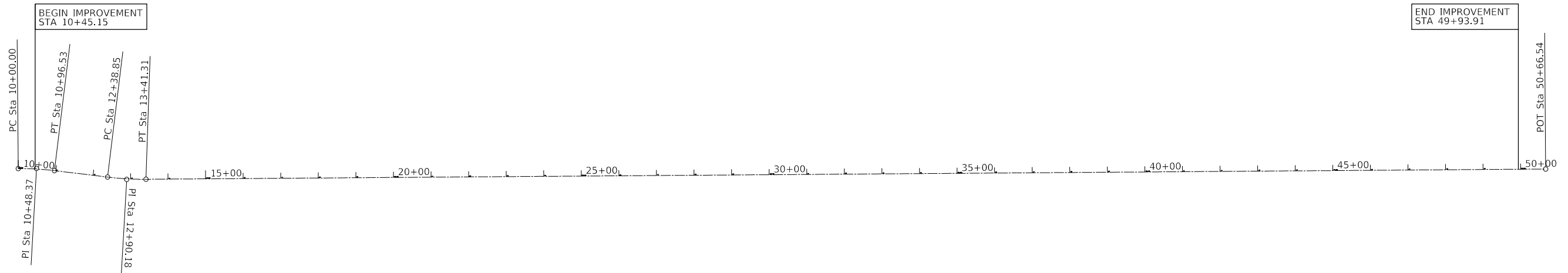
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DRAWN - YC	REVISED -	
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PLOT DATE = 9/4/2024	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

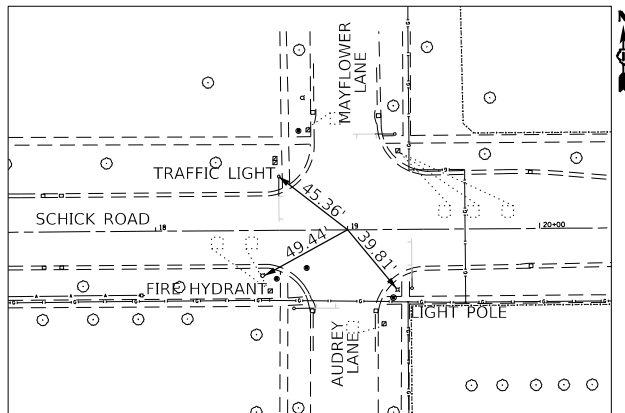
**SCHICK ROAD RESURFACING SCHEDULE OF QUANTITIES**

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

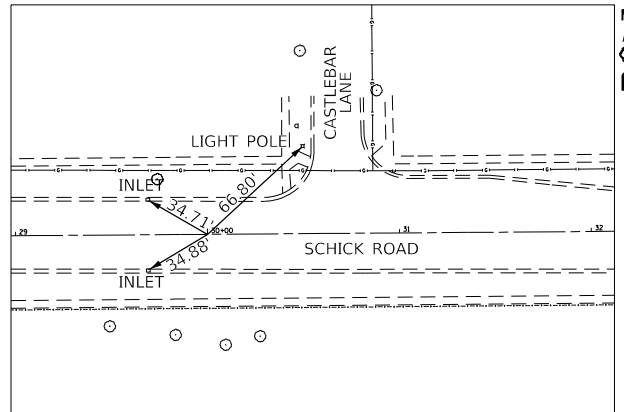
F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 8
CONTRACT NO. 61K75			ILLINOIS	



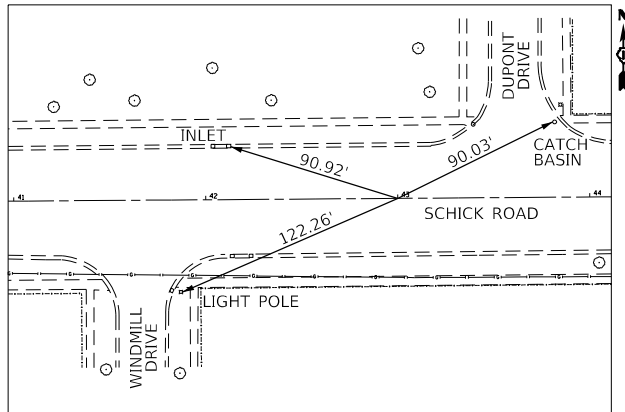
ALIGNMENT TIE (1)  
 STA: 11+00  
 SCHICK ROAD  
 N: 1925079.7614  
 E: 1030108.3902



ALIGNMENT TIE (2)  
 STA: 19+00  
 SCHICK ROAD  
 N: 1925061.2857  
 E: 1030907.1939



ALIGNMENT TIE (3)  
 STA: 30+00  
 SCHICK ROAD  
 N: 1925069.3185  
 E: 1032007.1646



ALIGNMENT TIE (4)  
 STA: 43+00  
 SCHICK ROAD  
 N: 1925078.8118  
 E: 1033307.1299

COORDINATE DATA TABLE			
STATION	ELEMENT TYPE	NORTHING	EASTING
10+00.00	PC	1925085.6271	1030008.5644
10+48.37	PI	1925086.0113	1030056.9320
10+96.53	PT	1925080.1794	1030104.9483
12+38.85	PC	1925063.0207	1030246.2239
12+90.18	PI	1925056.8310	1030297.1862
13+41.31	PT	1925057.2059	1030348.5216
50+66.54	POT	1925084.4095	1034073.6470

FILE NAME = F:\774-032-Hanover Park-Schick Rd Phase 1\Engineering\CAAD SHEETS\774-032-6-ATB.dgn



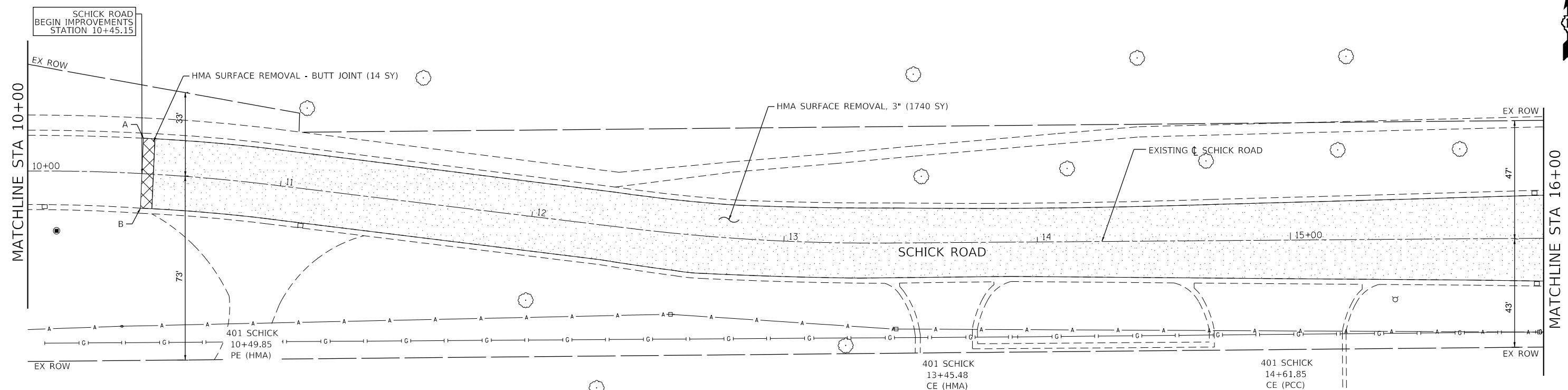
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PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
 ALIGNMENT, TIES, AND BENCHMARKS

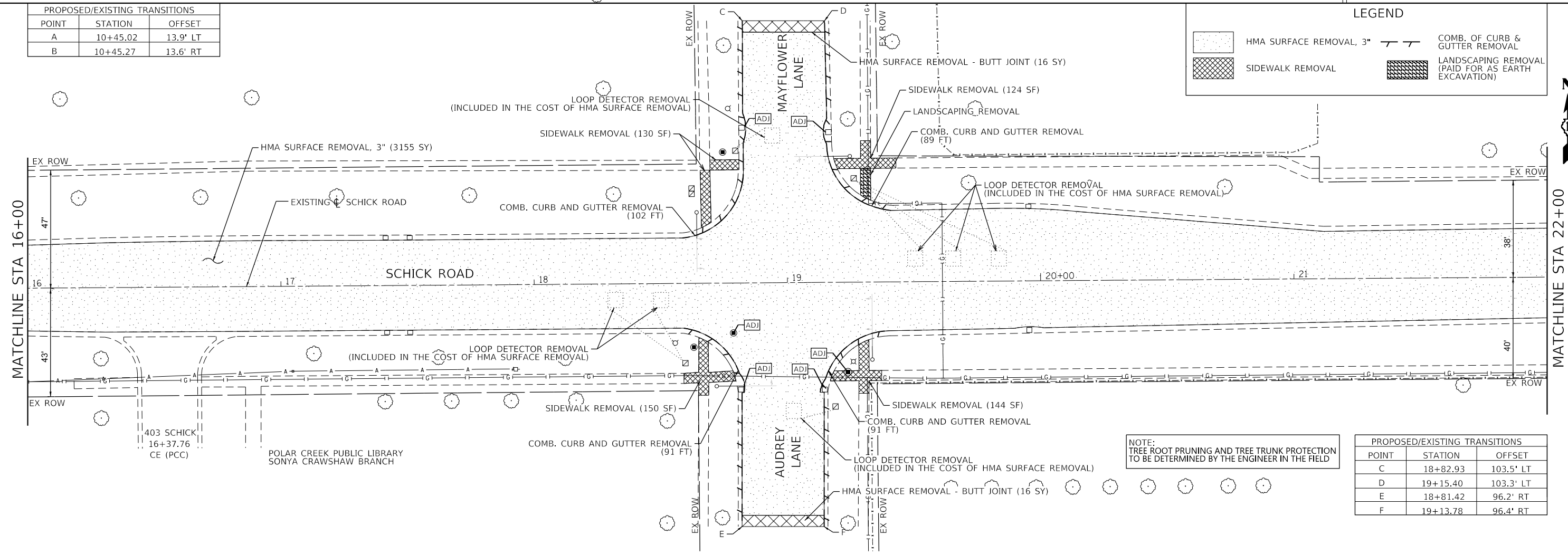
SCALE: SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY ILLINOIS	TOTAL SHEETS 37	SHEET NO. 9
			CONTRACT NO. 61K75	



PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
A	10+45.02	13.9' LT
B	10+45.27	13.6' RT

LEGEND	
	HMA SURFACE REMOVAL, 3"
	SIDEWALK REMOVAL
	COMB. OF CURB & GUTTER REMOVAL
	LANDSCAPING REMOVAL (PAID FOR AS EARTH EXCAVATION)



PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
C	18+82.93	103.5' LT
D	19+15.40	103.3' LT
E	18+81.42	96.2' RT
F	19+13.78	96.4' RT

NOTE:  
TREE ROOT PRUNING AND TREE TRUNK PROTECTION  
TO BE DETERMINED BY THE ENGINEER IN THE FIELD

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_7\_Removal Sheets.dgn



USER NAME	ycontreras	DESIGNED -	YC	REVISED -	
DRAWN -	YC	CHECKED -	JL	REVISED -	
PLOT SCALE	= 40,000' / in.	DATE	07/29/2024	REVISED -	
PLOT DATE	8/14/2024				

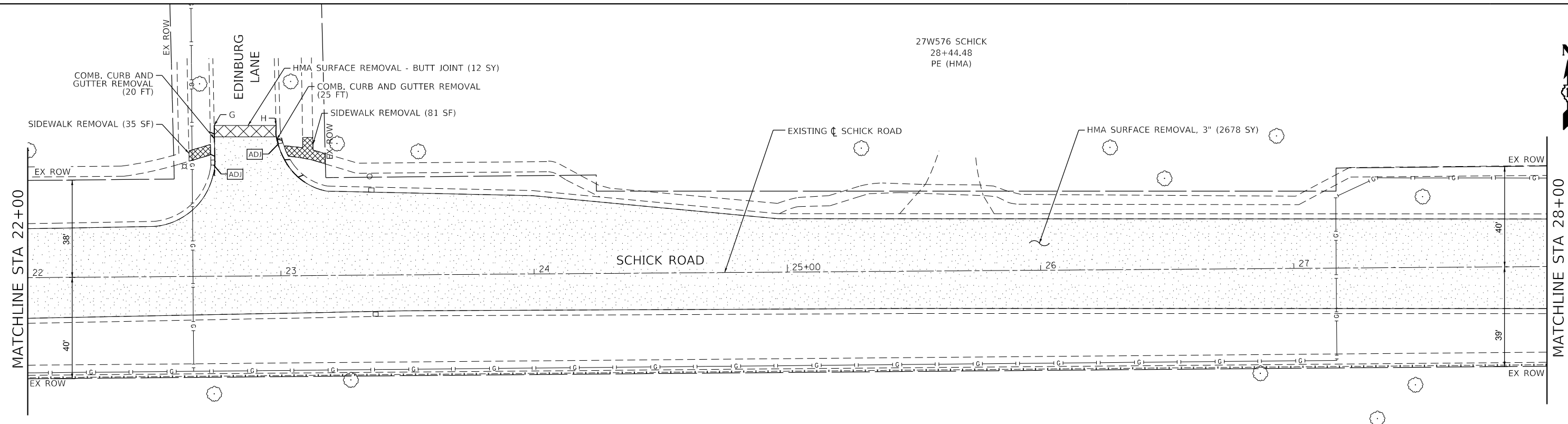
VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
REMOVAL PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	10
			CONTRACT NO. 61K75	
ILLINOIS				

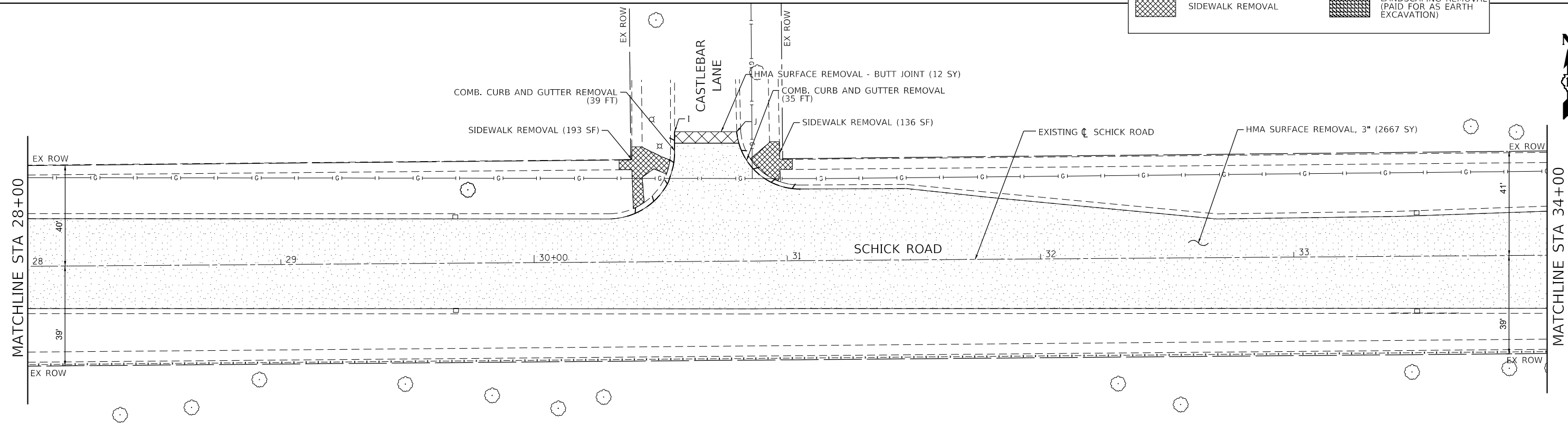
27W576 SCHICK  
28+44.48  
PE (HMA)



PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
G	22+74.08	59.6' LT
H	22+98.53	59.4' LT

**LEGEND**

	HMA SURFACE REMOVAL, 3"		COMB. OF CURB & GUTTER REMOVAL
	SIDEWALK REMOVAL		LANDSCAPING REMOVAL (PAID FOR AS EARTH EXCAVATION)



NOTE:  
TREE ROOT PRUNING AND TREE TRUNK PROTECTION  
TO BE DETERMINED BY THE ENGINEER IN THE FIELD

PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
I	30+55.82	51.2' LT
J	30+80.37	51.0' LT

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_7\_Removal Sheets.dgn



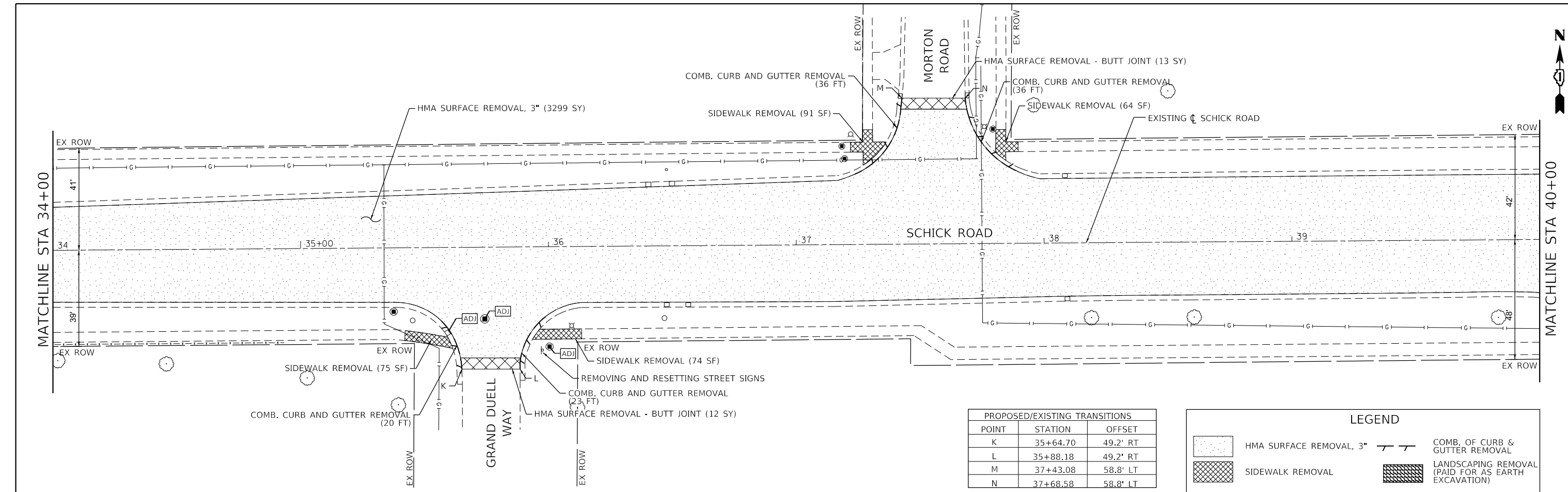
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PLOT SCALE = 40,000' / in.	DRAWN - YC	REVISED -
PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
REMOVAL PLAN**

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. TO STA.

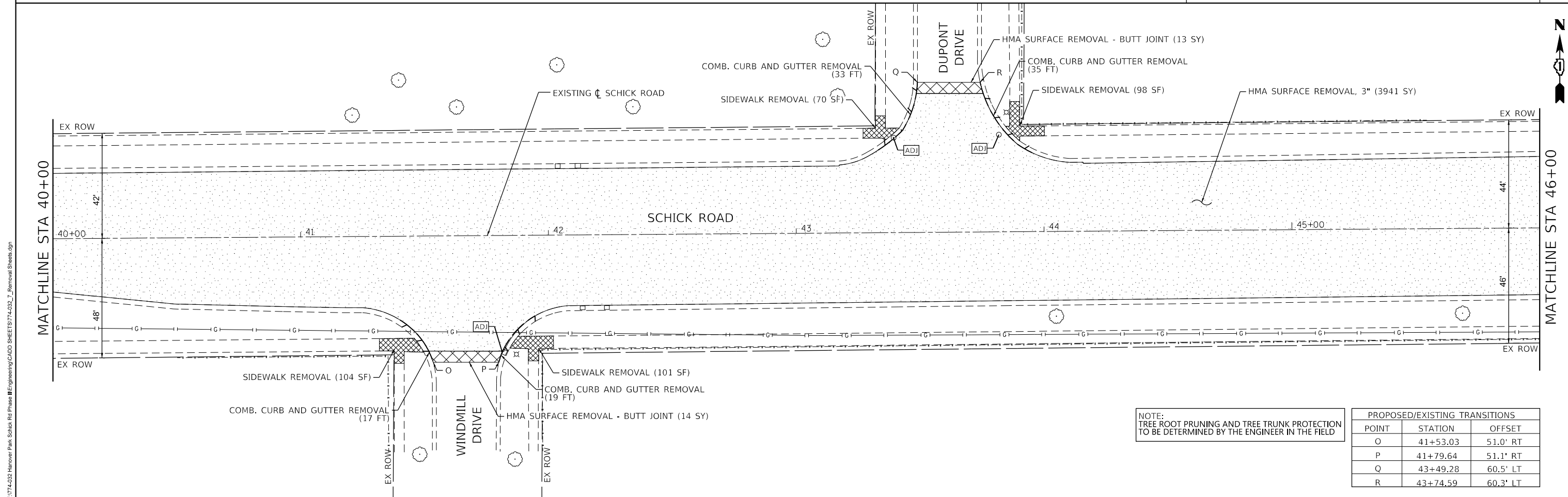
F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 11
ILLINOIS			CONTRACT NO. 61K75	



PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
K	35+64.70	49.2' RT
L	35+88.18	49.2' RT
M	37+43.08	58.8' LT
N	37+68.58	58.8' LT

**LEGEND**

	HMA SURFACE REMOVAL, 3"		COMB. OF CURB & GUTTER REMOVAL
	SIDEWALK REMOVAL		LANDSCAPING REMOVAL (PAID FOR AS EARTH EXCAVATION)



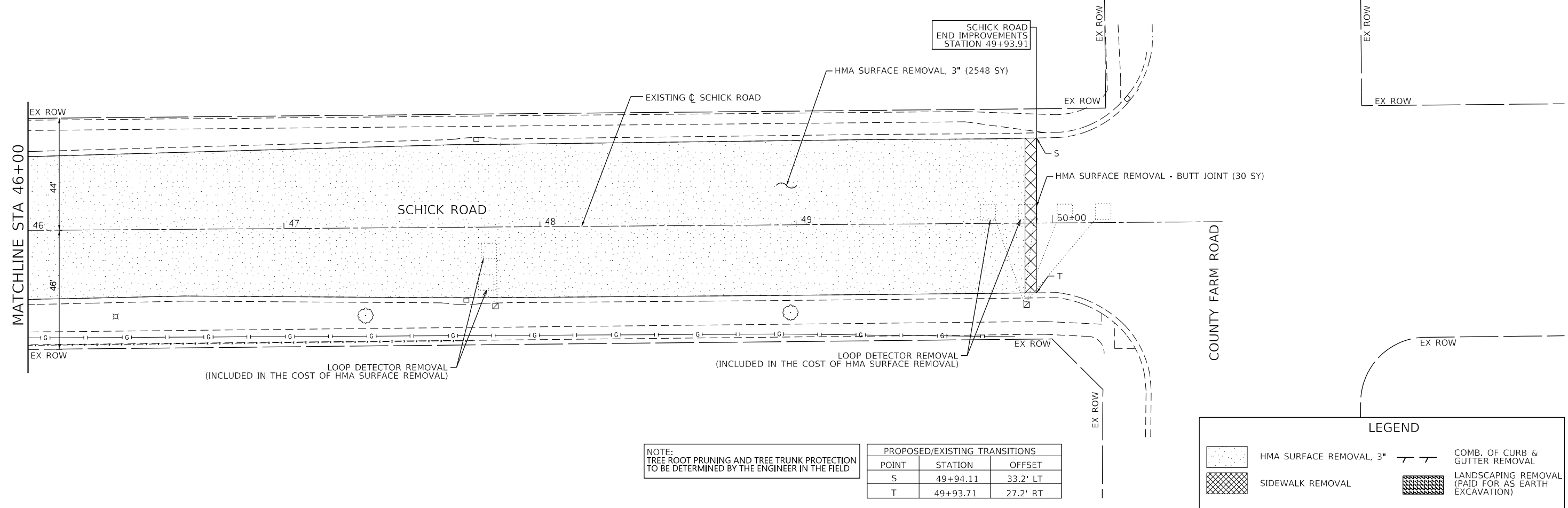
NOTE:  
TREE ROOT PRUNING AND TREE TRUNK PROTECTION  
TO BE DETERMINED BY THE ENGINEER IN THE FIELD

PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
O	41+53.03	51.0' RT
P	41+79.64	51.1' RT
Q	43+49.28	60.5' LT
R	43+74.59	60.3' LT

	USER NAME = ycontreras	DESIGNED - YC	REVISED -	<b>VILLAGE OF HANOVER PARK</b>	<b>SCHICK ROAD RESURFACING REMOVAL PLAN</b>			F.A.U. RTE. = 1369	SECTION = 23-00077-00-RS	COUNTY = DUPAGE	TOTAL SHEETS = 37	SHEET NO. = 12
	PLOT SCALE = 40,000' / in.	CHECKED - JL	REVISED -					SCALE: 1"=20'	SHEET 3 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 61K75	
	PLOT DATE = 8/14/2024	DATE = 07/29/2024	REVISED -					ILLINOIS				

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_Removal Sheets.dgn





NOTE:  
TREE ROOT PRUNING AND TREE TRUNK PROTECTION  
TO BE DETERMINED BY THE ENGINEER IN THE FIELD

PROPOSED/EXISTING TRANSITIONS		
POINT	STATION	OFFSET
S	49+94.11	33.2' LT
T	49+93.71	27.2' RT

LEGEND	
	HMA SURFACE REMOVAL, 3"
	SIDEWALK REMOVAL
	COMB. OF CURB & GUTTER REMOVAL
	LANDSCAPING REMOVAL (PAID FOR AS EARTH EXCAVATION)

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_7\_Removal Sheets.dgn



USER NAME = ycontreras	DESIGNED - YC	REVISED -
DRAWN - YC	DRAWN - YC	REVISED -
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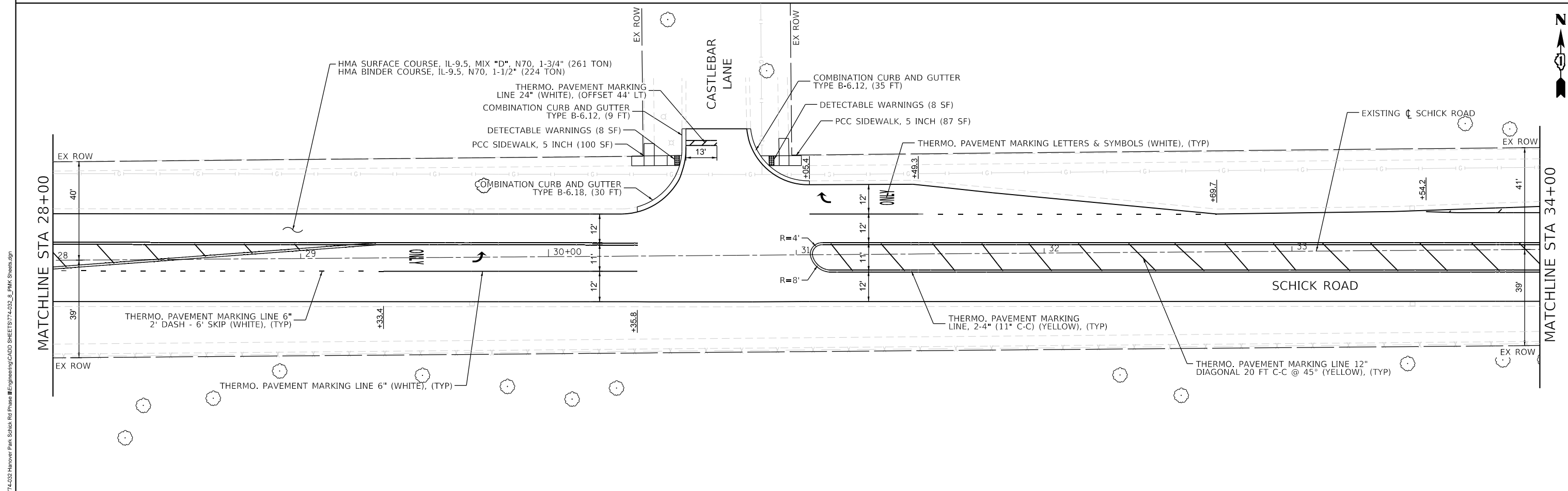
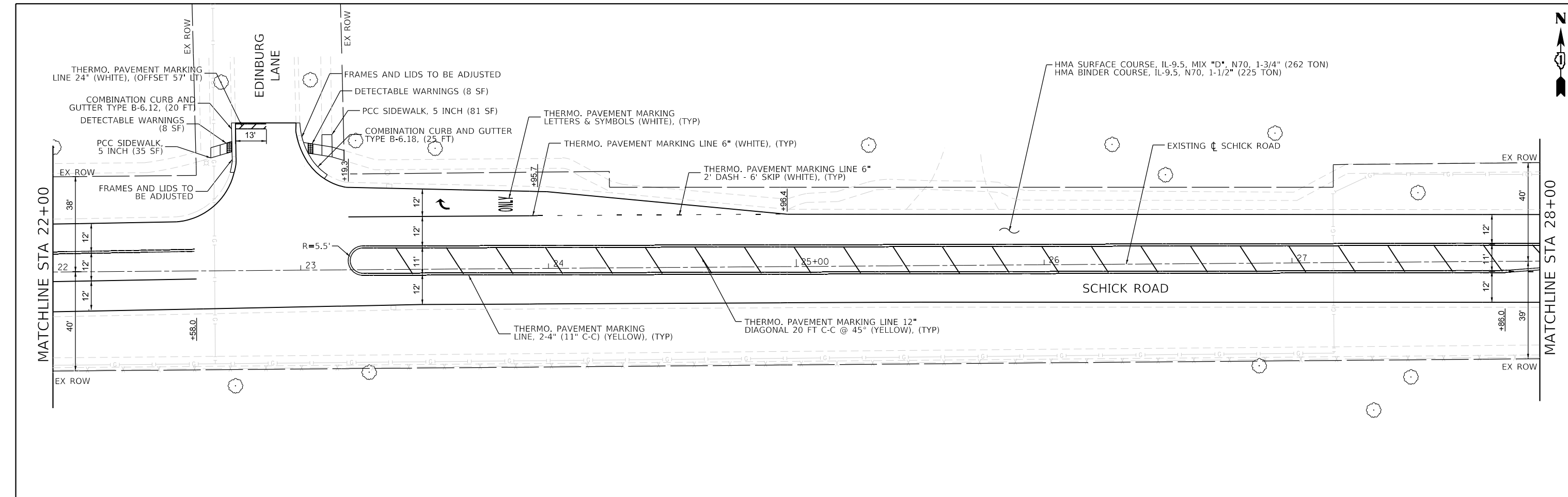
VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
REMOVAL PLAN

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

F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 13
			CONTRACT NO. 61K75	
ILLINOIS				





USER NAME	ycontreras	DESIGNED	- YC	REVISED	-
DRAWN	- YC	REVISIONS	-	REVISIONS	-
CHECKED	- JL	REVISIONS	-	REVISIONS	-
DATE	- 07/29/2024	REVISIONS	-	REVISIONS	-

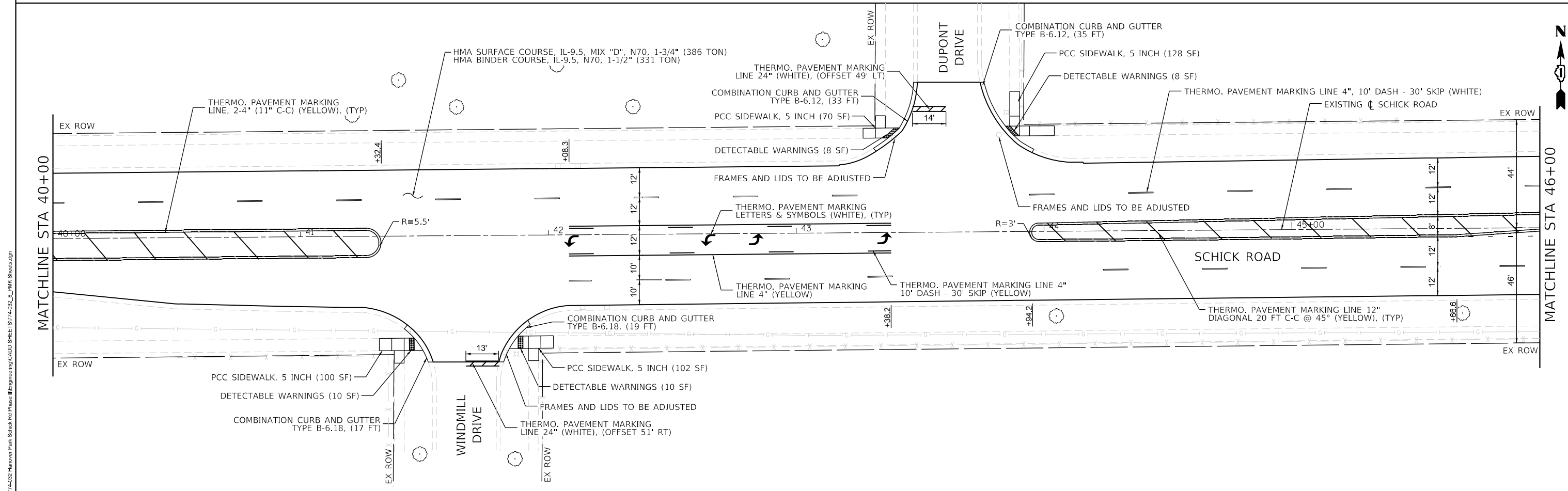
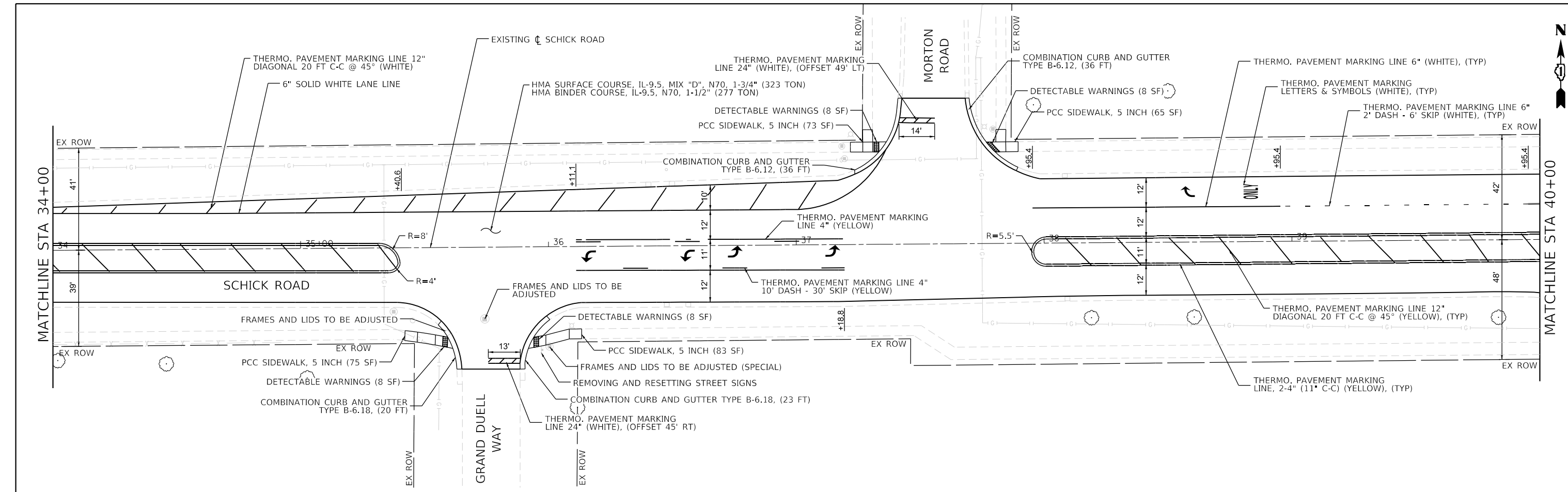
**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
PLAN, PAVEMENT MARKING PLAN & DETECTOR LOOP REPLACEMENT**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	15
CONTRACT NO. 61K75			ILLINOIS	

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_8\_PMK Sheets.dgn

SCALE: 1"=20'      SHEET 2 OF 4 SHEETS      STA. TO STA.



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 BLA, Inc.

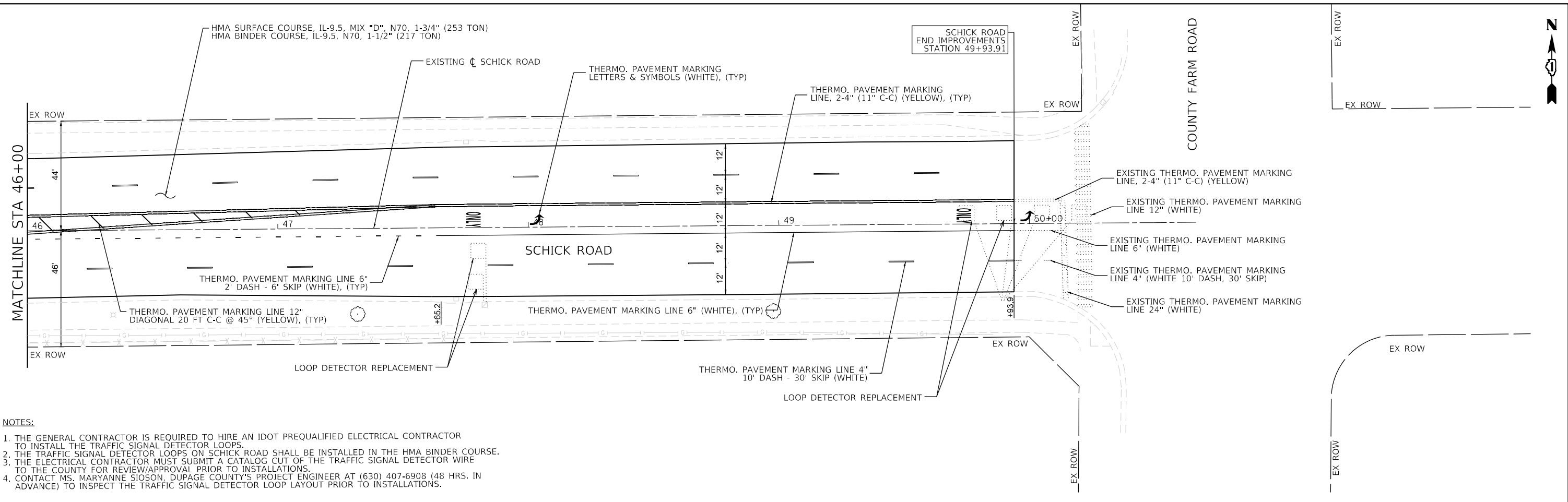
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PLOT DATE = 8/14/2024	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING**  
**PLAN, PAVEMENT MARKING PLAN & DETECTOR LOOP REPLACEMENT**

SCALE: 1"=20'	SHEET 3 OF 4 SHEETS	STA. TO STA.
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F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 16
CONTRACT NO. 61K75			ILLINOIS	



**NOTES:**

1. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN IDOT PREQUALIFIED ELECTRICAL CONTRACTOR TO INSTALL THE TRAFFIC SIGNAL DETECTOR LOOPS.
2. THE TRAFFIC SIGNAL DETECTOR LOOPS ON SCHICK ROAD SHALL BE INSTALLED IN THE HMA BINDER COURSE.
3. THE ELECTRICAL CONTRACTOR MUST SUBMIT A CATALOG CUT OF THE TRAFFIC SIGNAL DETECTOR WIRE TO THE COUNTY FOR REVIEW/APPROVAL PRIOR TO INSTALLATIONS.
4. CONTACT MS. MARYANNE SIOSON, DUPAGE COUNTY'S PROJECT ENGINEER AT (630) 407-6908 (48 HRS. IN ADVANCE) TO INSPECT THE TRAFFIC SIGNAL DETECTOR LOOP LAYOUT PRIOR TO INSTALLATIONS.

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_8\_PMK Sheets.dgn



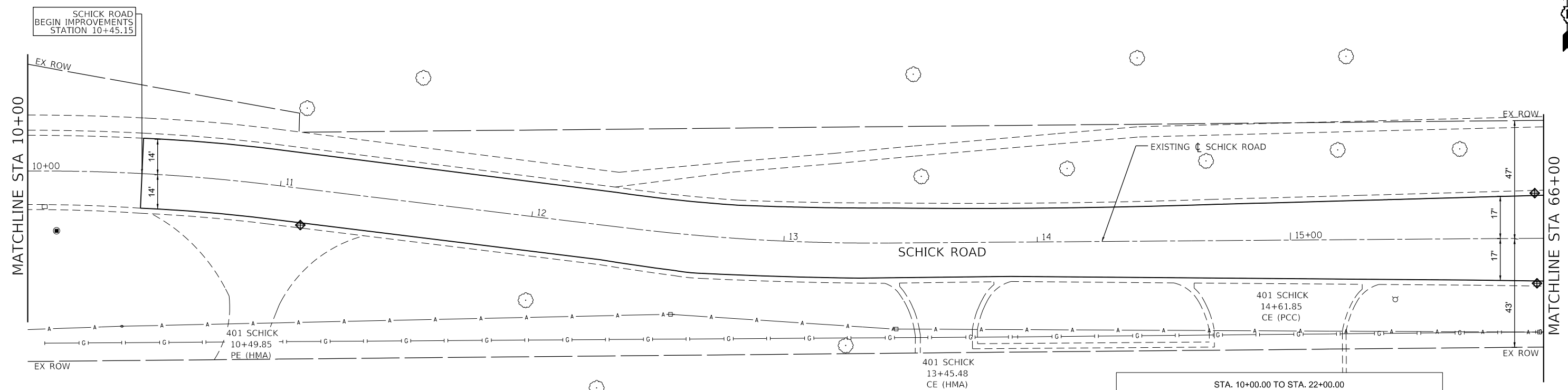
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PLOT DATE = 8/14/2024	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
PLAN, PAVEMENT MARKING PLAN & DETECTOR LOOP REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	17
ILLINOIS			CONTRACT NO. 61K75	

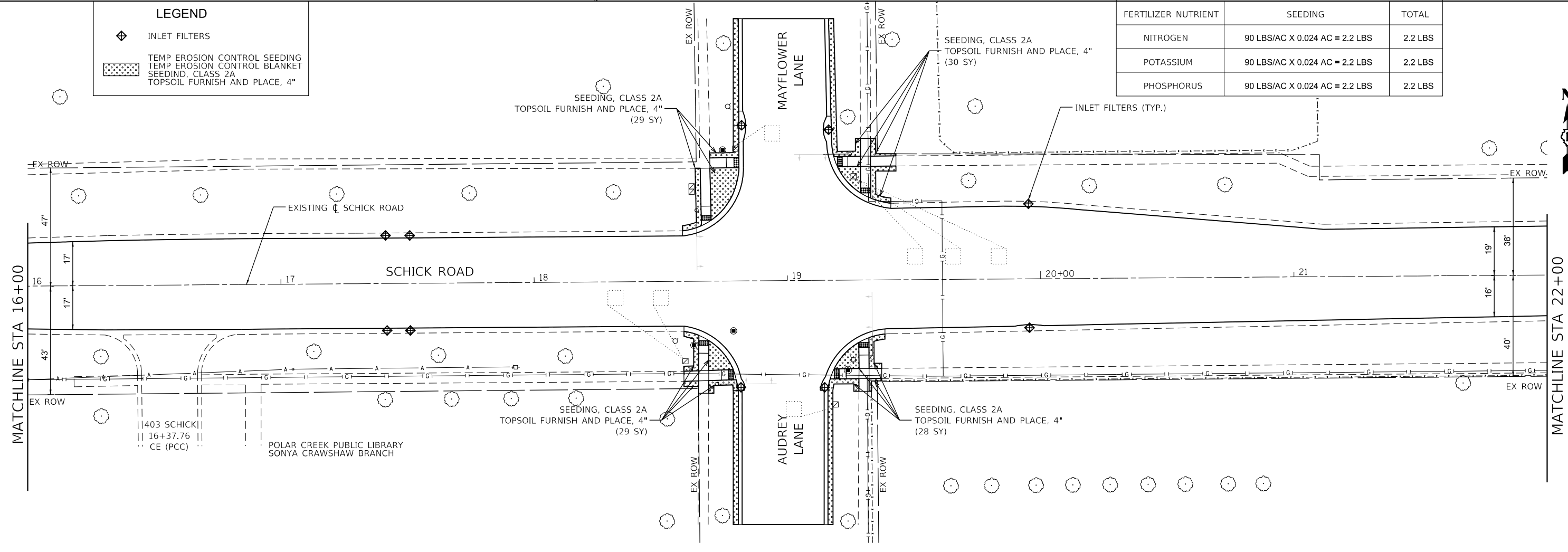


**LEGEND**

- INLET FILTERS
- TEMP EROSION CONTROL SEEDING
- TEMP EROSION CONTROL BLANKET
- SEEDING, CLASS 2A
- TOPSOIL FURNISH AND PLACE, 4"

STA. 10+00.00 TO STA. 22+00.00

FERTILIZER NUTRIENT	SEEDING	TOTAL
NITROGEN	90 LBS/AC X 0.024 AC = 2.2 LBS	2.2 LBS
POTASSIUM	90 LBS/AC X 0.024 AC = 2.2 LBS	2.2 LBS
PHOSPHORUS	90 LBS/AC X 0.024 AC = 2.2 LBS	2.2 LBS



FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_9\_Erosion Sheets.dgn



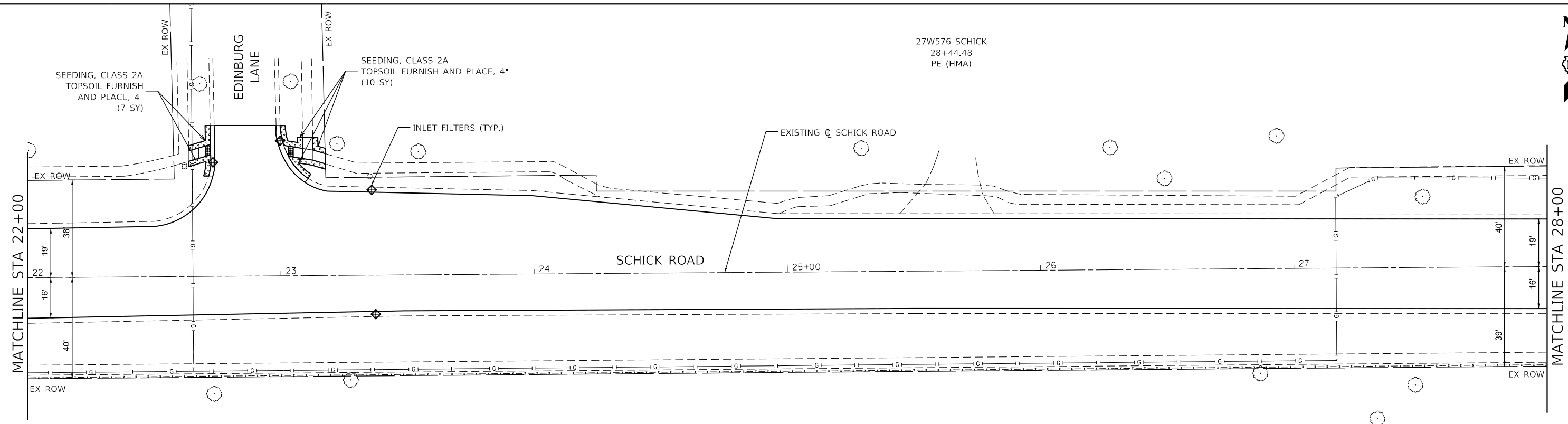
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PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
EROSION AND LANDSCAPING PLAN**

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

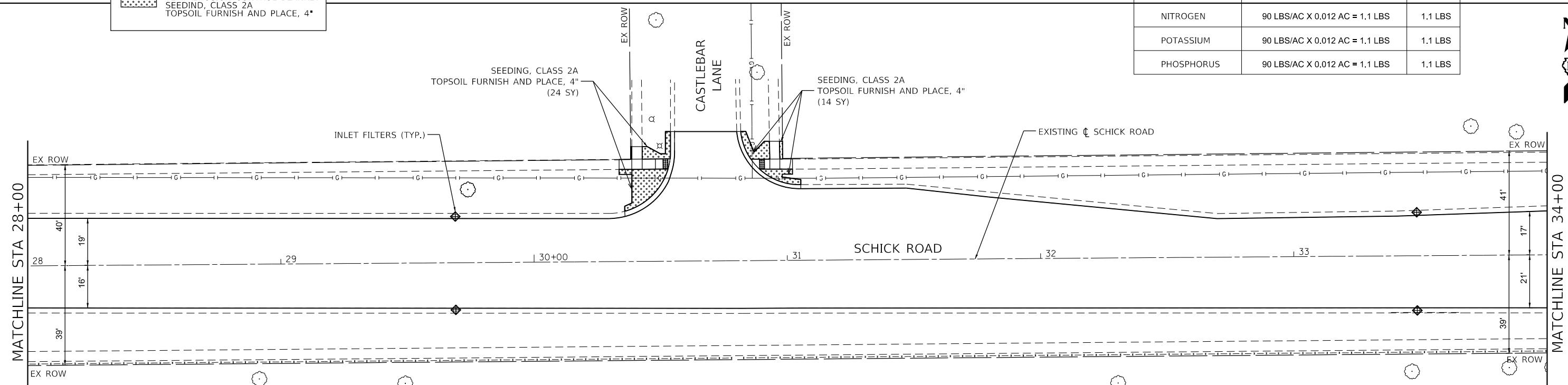
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ILLINOIS			CONTRACT NO. 61K75	



**LEGEND**

- INLET FILTERS
- TEMP EROSION CONTROL SEEDING  
TEMP EROSION CONTROL BLANKET  
SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 4"

STA. 22+00.00 TO STA. 34+00.00		
FERTILIZER NUTRIENT	SEEDING	TOTAL
NITROGEN	90 LBS/AC X 0.012 AC = 1.1 LBS	1.1 LBS
POTASSIUM	90 LBS/AC X 0.012 AC = 1.1 LBS	1.1 LBS
PHOSPHORUS	90 LBS/AC X 0.012 AC = 1.1 LBS	1.1 LBS



FILE NAME: F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_9\_Erosion Sheets.dgn



USER NAME - ycontreras	DESIGNED - YC	REVISED -
DRAWN - YC	REVISIONS -	
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PLOT DATE - 8/14/2024	DATE - 07/29/2024	REVISED -

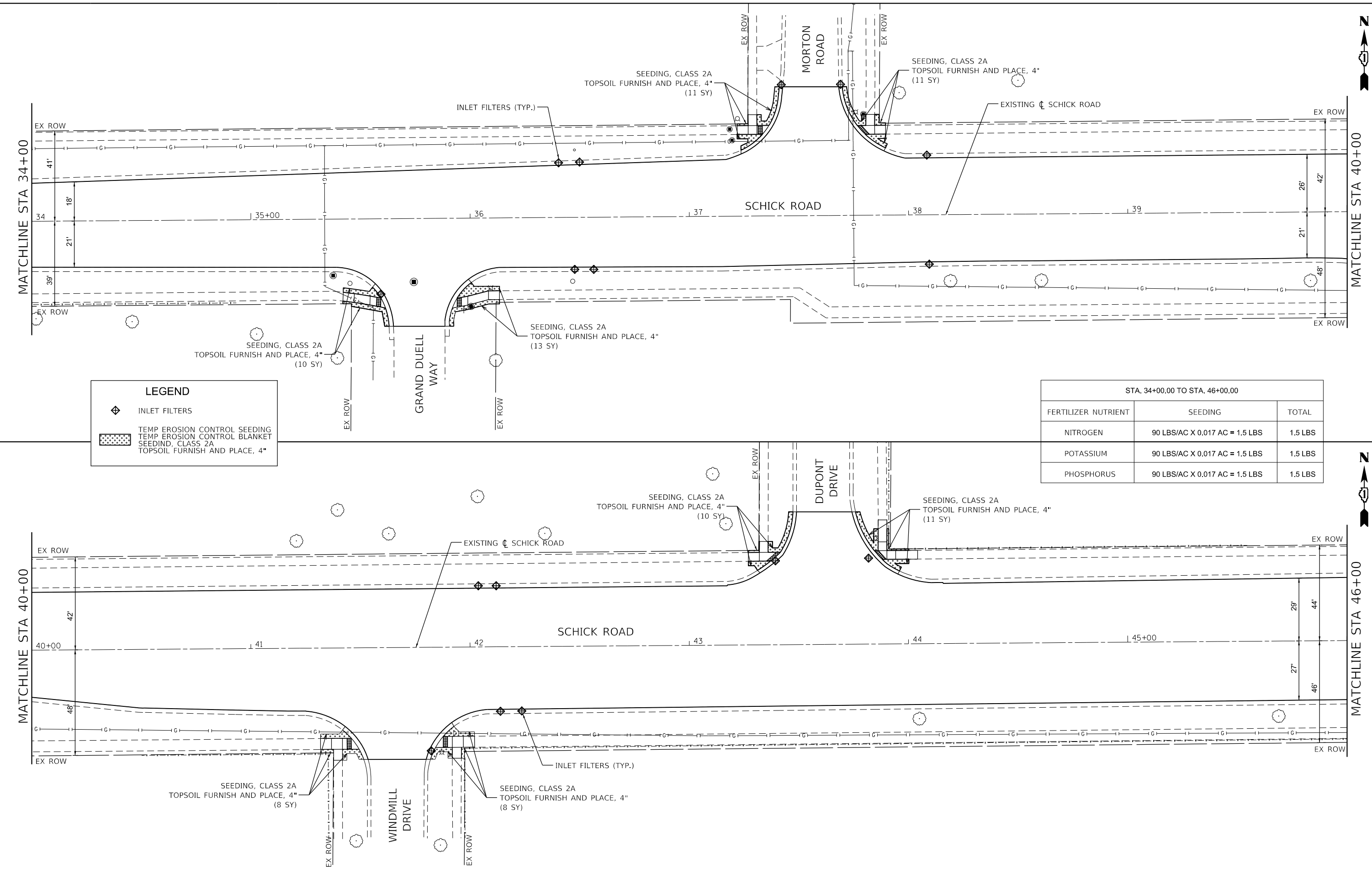
**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
EROSION AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 19
CONTRACT NO. 61K75			ILLINOIS	

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_9\_Erosion Sheets.dgn



**LEGEND**

- INLET FILTERS
- TEMP EROSION CONTROL SEEDING  
TEMP EROSION CONTROL BLANKET  
SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 4"

STA. 34+00.00 TO STA. 46+00.00		
FERTILIZER NUTRIENT	SEEDING	TOTAL
NITROGEN	90 LBS/AC X 0.017 AC = 1.5 LBS	1.5 LBS
POTASSIUM	90 LBS/AC X 0.017 AC = 1.5 LBS	1.5 LBS
PHOSPHORUS	90 LBS/AC X 0.017 AC = 1.5 LBS	1.5 LBS



USER NAME = ycontreras	DESIGNED - YC	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN - YC	REVISED -
PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

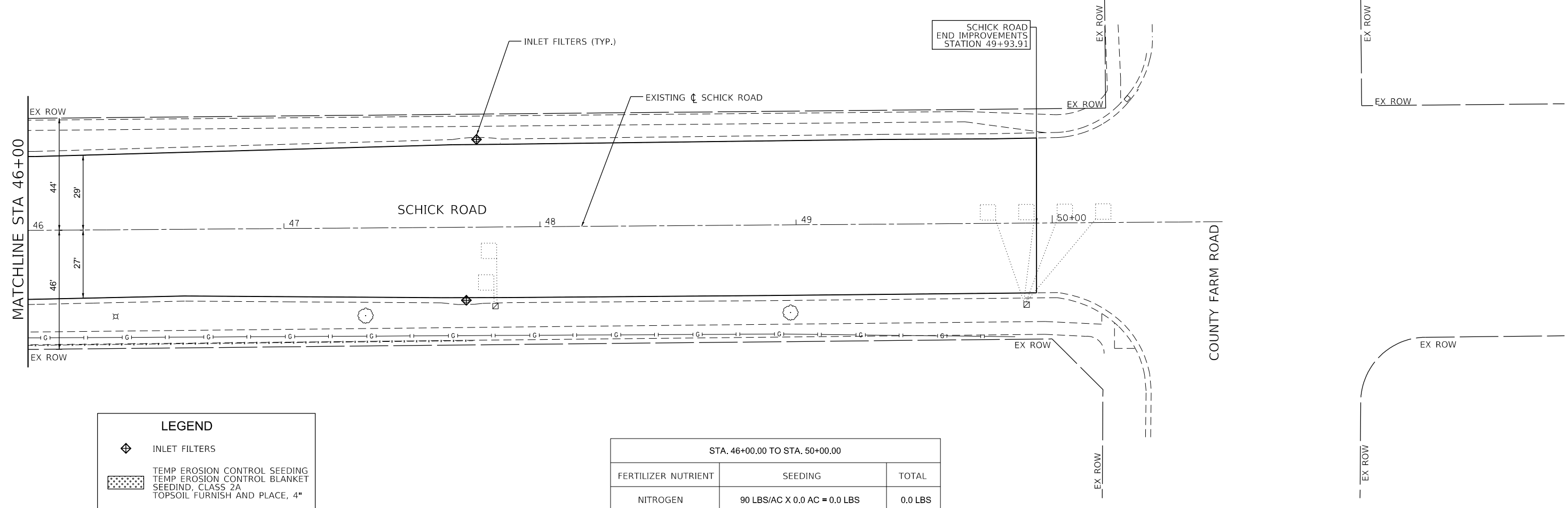
**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
EROSION AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 20
CONTRACT NO. 61K75			ILLINOIS	





LEGEND	
	INLET FILTERS
	TEMP EROSION CONTROL SEEDING TEMP EROSION CONTROL BLANKET SEEDIND, CLASS 2A TOPSOIL FURNISH AND PLACE, 4"

STA. 46+00.00 TO STA. 50+00.00		
FERTILIZER NUTRIENT	SEEDING	TOTAL
NITROGEN	90 LBS/AC X 0.0 AC = 0.0 LBS	0.0 LBS
POTASSIUM	90 LBS/AC X 0.0 AC = 0.0 LBS	0.0 LBS
PHOSPHORUS	90 LBS/AC X 0.0 AC = 0.0 LBS	0.0 LBS

FILE NAME = F:\174-032 Hanover Park Schick Rd Phase II\Engineering\CADD SHEETS\174-032\_9\_Erosion Sheets.dgn



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	DATE - 07/29/2024	REVISED -

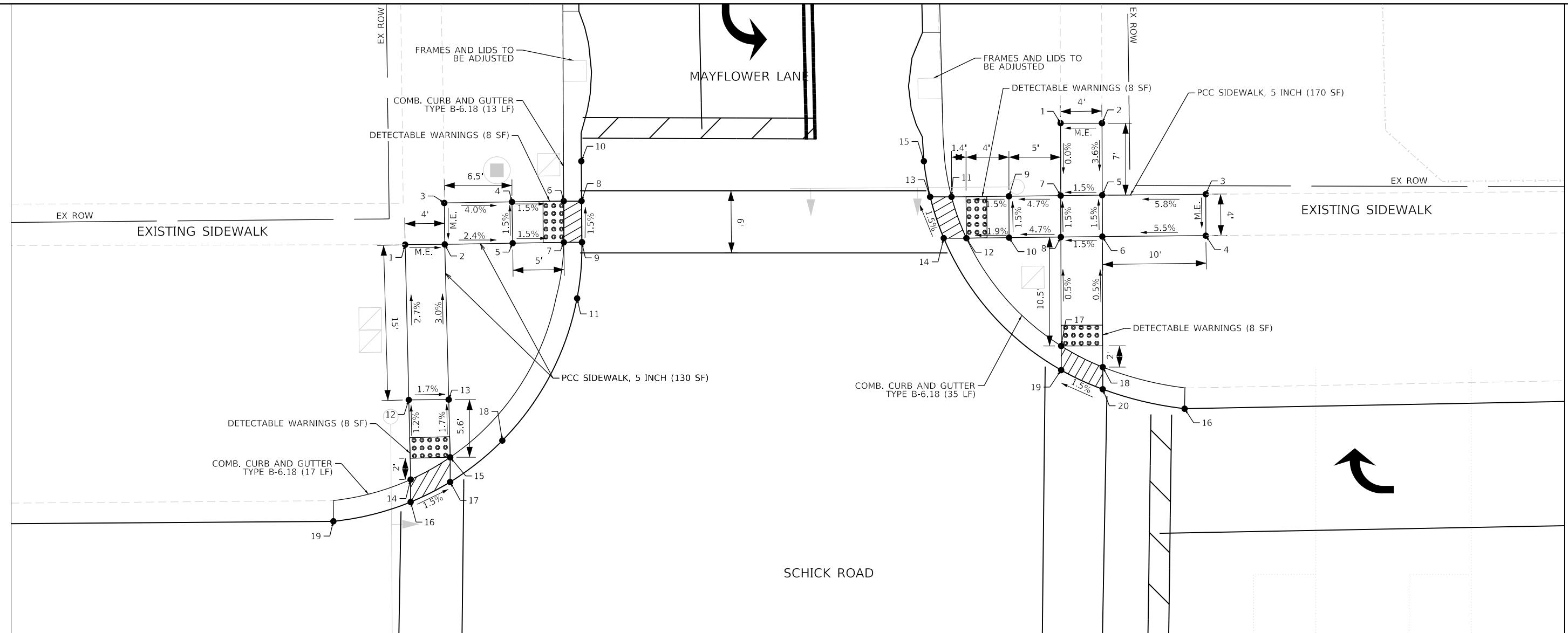
VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
EROSION AND LANDSCAPING PLAN

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	21
ILLINOIS			CONTRACT NO. 61K75	

FILE NAME = F:\774-032-Hanover Park-Schick Rd Phase 1\Engineering\CAD SHEETS\774-032-10.ADA.dgn



**ADA RAMP SCHICK RD. @ MAYFLOWER LN. NW CORNER**

POINT NO.	STATION	OFFSET	ELEVATION
1	18+65.85	44.63' LT	792.58 (M.E.)
2	18+69.68	44.63' LT	792.47 (M.E.)
3	18+69.66	48.63' LT	792.52 (M.E.)
4	18+76.20	48.69' LT	792.26
5	18+76.23	44.70' LT	792.32
6	18+81.20	48.73' LT	792.18
7	18+81.18	44.74' LT	792.24
8	18+82.92	48.72' LT	792.21
9	18+82.92	44.73' LT	792.27
10	18+82.92	52.57' LT	792.06
11	18+82.42	39.35' LT	792.50
12	18+66.09	29.63' LT	792.99
13	18+69.95	29.63' LT	792.92
14	18+66.22	21.93' LT	793.08
15	18+70.05	24.05' LT	793.02
16	18+66.20	19.76' LT	793.11
17	18+70.03	21.67' LT	793.05
18	18+75.10	25.63' LT	792.85
19	18+58.73	17.95' LT	793.27

**ADA RAMP SCHICK RD. @ MAYFLOWER LN. NE CORNER**

POINT NO.	STATION	OFFSET	ELEVATION
1	19+29.22	55.90' LT	792.66 (M.E.)
2	19+33.22	55.87' LT	792.94 (M.E.)
3	19+43.19	48.94' LT	793.27 (M.E.)
4	19+43.17	44.94' LT	793.24 (M.E.)
5	19+33.19	48.92' LT	792.69
6	19+33.17	44.92' LT	792.75
7	19+29.19	48.90' LT	792.63
8	19+29.17	44.90' LT	792.69
9	19+24.19	48.88' LT	792.39
10	19+24.17	44.88' LT	792.45
11	19+18.64	48.86' LT	792.31
12	19+20.05	44.86' LT	792.37
13	19+16.58	48.87' LT	792.34
14	19+18.86	44.88' LT	792.40
15	19+16.00	52.33' LT	792.06
16	19+41.00	28.23' LT	793.24
17	19+29.13	34.38' LT	792.74
18	19+33.12	32.31' LT	792.81
19	19+29.11	32.05' LT	792.77
20	19+33.10	30.17' LT	792.84

**LEGEND**

	DETECTABLE WARNINGS
	DEPRESSED CURB



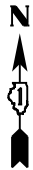
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	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
ADA RAMP DETAILS**

SCALE: 1"=5'      SHEET 1 OF 8 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	22
CONTRACT NO. 61K75				
ILLINOIS				



19

SCHICK ROAD

EX. SCHICK ROAD

AUDREY LANE


EXISTING SIDEWALK


EXISTING SIDEWALK

ADA RAMP SHICK RD. @ AUDREY LN. SW CORNER			
POINT NO.	STATION	OFFSET	ELEVATION
1	18+58.84	35.52' RT	793.13 (M.E.)
2	18+58.87	39.52' RT	793.11 (M.E.)
3	18+64.70	35.37' RT	793.19
4	18+64.65	39.37' RT	793.13
5	18+64.60	44.24' RT	793.05 (M.E.)
6	18+68.60	44.27' RT	793.12 (M.E.)
7	18+68.65	39.27' RT	793.17
8	18+68.68	35.27' RT	793.23
9	18+73.65	39.15' RT	793.17
10	18+73.68	35.15' RT	793.21
11	18+79.51	39.00' RT	793.13
12	18+78.39	35.03' RT	793.16
13	18+80.55	35.04' RT	793.19
14	18+82.61	39.02' RT	793.16
15	18+82.66	43.24' RT	793.13
16	18+68.78	28.46' RT	793.39
17	18+64.78	28.41' RT	793.37
18	18+68.84	23.46' RT	793.44
19	18+64.86	21.37' RT	793.41
20	18+68.88	21.14' RT	793.47
21	18+64.91	19.23' RT	793.44
22	18+59.02	17.71' RT	793.41

ADA RAMP RAMP SHICK RD. @ AUDREY LN. SE CORNER			
POINT NO.	STATION	OFFSET	ELEVATION
1	19+37.00	34.93' RT	793.41 (M.E.)
2	19+36.95	38.93' RT	793.50 (M.E.)
3	19+32.00	34.93' RT	793.41
4	19+31.95	38.93' RT	793.43
5	19+31.89	43.96' RT	793.58 (M.E.)
6	19+27.89	43.93' RT	793.53 (M.E.)
7	19+27.95	38.94' RT	793.38
8	19+28.00	34.93' RT	793.38
9	19+22.95	38.93' RT	793.26
10	19+23.00	34.93' RT	793.26
11	19+16.58	38.93' RT	793.16
12	19+18.20	34.93' RT	793.19
13	19+15.99	34.92' RT	793.22
14	19+14.19	38.92' RT	793.19
15	19+12.61	43.43' RT	793.12
16	19+32.00	29.63' RT	793.48
17	19+28.00	29.63' RT	793.46
18	19+32.00	22.78' RT	793.52
19	19+28.00	24.63' RT	793.51
20	19+28.00	22.35' RT	793.54
21	19+32.00	20.66' RT	793.55
22	19+40.32	19.27' RT	793.68

**LEGEND**

 DETECTABLE WARNINGS

 DEPRESSED CURB

FILE NAME = F:\774-032-Hanover Park-Schick Rd Phase 1\Engineering\CADD\_SHEETS\774-032\_10\_ADA.dgn



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VILLAGE OF HANOVER PARK

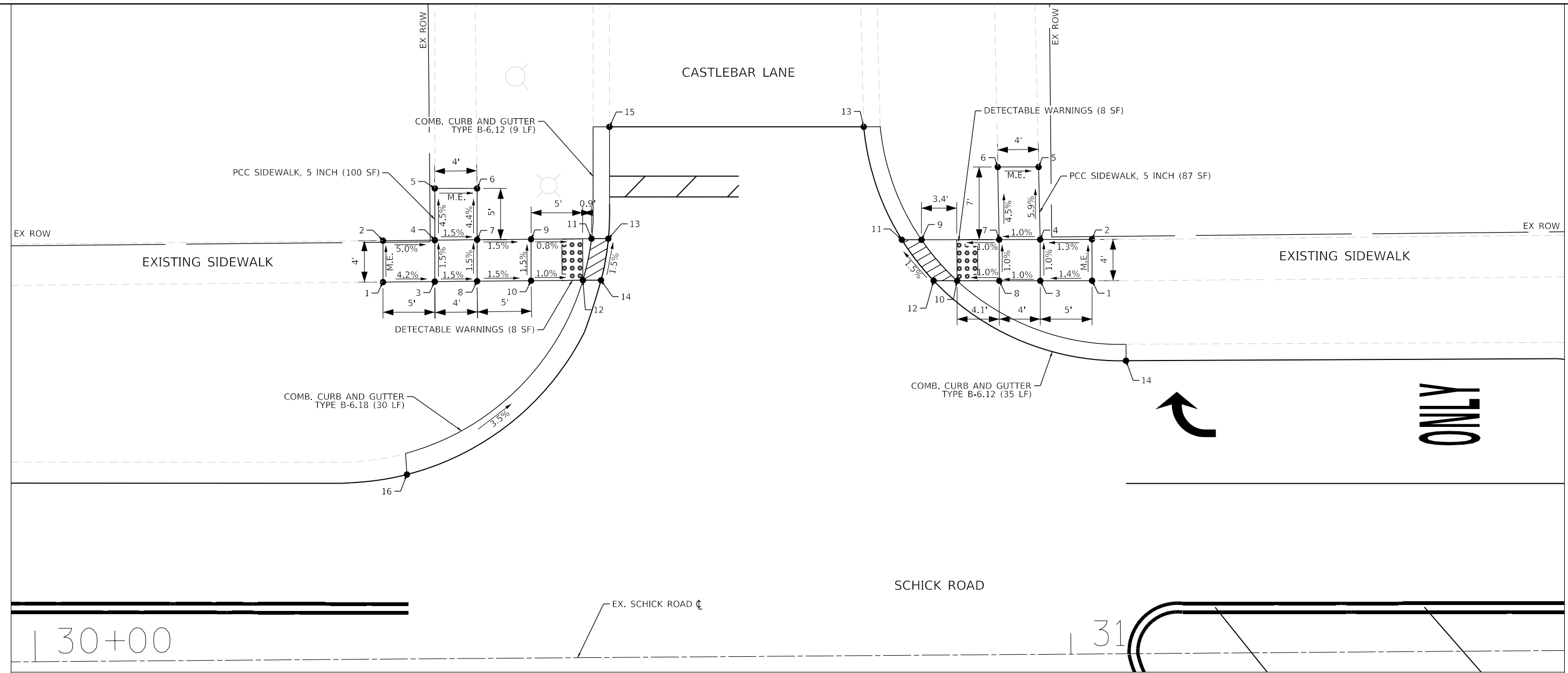
SCHICK ROAD RESURFACING  
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	23
ILLINOIS			CONTRACT NO. 61K75	



FILE NAME = F:\774-032 Hanover Park Schick Rd Phase 1\Engineering\CAD SHEETS\774-032\_10\_ADA.dgn



ADA RAMP SCHICK RD. @ CASTLEBAR LN. NW CORNER

POINT NO.	STATION	OFFSET	ELEVATION
1	30+33.84	36.40' LT	790.69 (M.E.)
2	30+33.87	40.40' LT	790.67 (M.E.)
3	30+38.84	36.41' LT	790.48
4	30+38.87	40.41' LT	790.42
5	30+38.91	45.41' LT	790.19 (M.E.)
6	30+42.99	45.38' LT	790.14 (M.E.)
7	30+42.96	40.41' LT	790.36
8	30+42.93	36.41' LT	790.42
9	30+48.17	40.43' LT	790.28
10	30+48.15	36.43' LT	790.34
11	30+54.01	40.44' LT	790.23
12	30+53.14	36.43' LT	790.29
13	30+55.64	40.43' LT	790.24
14	30+54.89	36.43' LT	790.32
15	30+55.82	51.23' LT	789.75
16	30+36.02	17.81' LT	791.30

ADA RAMP SCHICK RD. @ CASTLEBAR LN. NE CORNER

POINT NO.	STATION	OFFSET	ELEVATION
1	31+02.31	36.02' LT	790.23 (M.E.)
2	31+02.32	40.02' LT	790.19 (M.E.)
3	30+97.31	36.06' LT	790.16
4	30+97.33	40.05' LT	790.12
5	30+97.22	47.05' LT	789.75 (M.E.)
6	30+93.28	47.07' LT	789.76 (M.E.)
7	30+93.37	40.07' LT	790.08
8	30+93.35	36.09' LT	790.12
9	30+85.87	40.10' LT	790.00
10	30+89.28	36.11' LT	790.08
11	30+83.98	40.12' LT	790.01
12	30+87.01	36.14' LT	790.09
13	30+80.37	51.05' LT	789.84
14	31+05.53	28.28' LT	790.40

LEGEND

	DETECTABLE WARNINGS
	DEPRESSED CURB

	USER NAME = ycontreras	DESIGNED - YC	REVISED -
	PLOT SCALE = 10,000' / in.	DRAWN - YC	REVISED -
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		DATE - 07/29/2024	REVISED -

VILLAGE OF HANOVER PARK

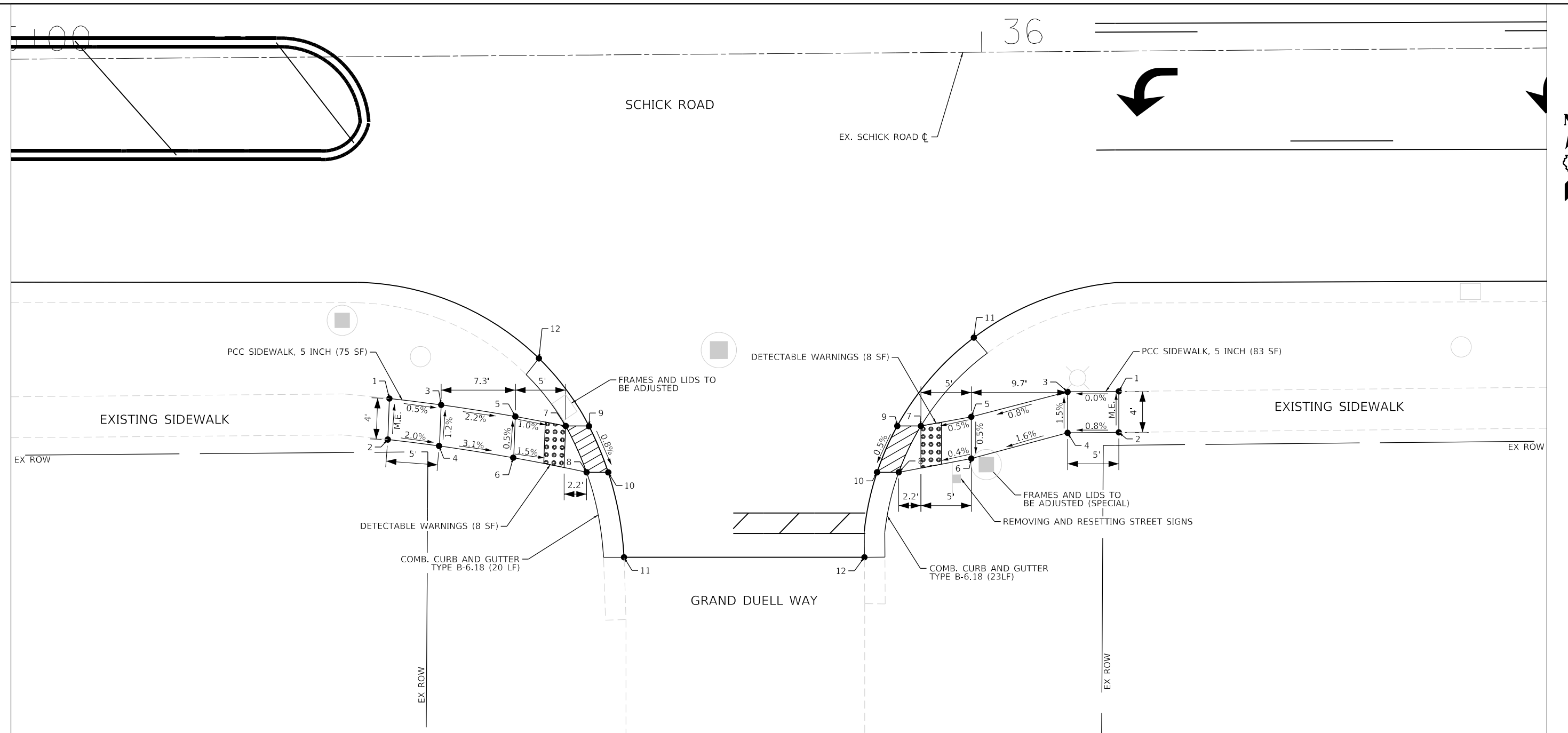
SCHICK ROAD RESURFACING  
ADA RAMP DETAILS

SCALE: 1"=5'

SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 1369	SECTION 23-00077-00-RS	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 25
CONTRACT NO. 61K75			ILLINOIS	

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CAOD\_SHEETS\774-032\_10\_ADA.dgn



ADA RAMP SCHICK RD. @ GRAND DUEL WAY SW CORNER

POINT NO.	STATION	OFFSET	ELEVATION
1	35+41.91	33.40' RT	783.55 (M.E.)
2	35+41.72	37.41' RT	783.68 (M.E.)
3	35+46.96	34.06' RT	783.52
4	35+46.77	38.08' RT	783.57
5	35+54.20	35.25' RT	783.36
6	35+54.01	39.28' RT	783.38
7	35+59.11	36.21' RT	783.31
8	35+61.11	40.74' RT	783.27
9	35+61.38	36.23' RT	783.34
10	35+63.23	40.76' RT	783.30
11	35+64.71	49.07' RT	783.23
12	35+53.36	26.90' RT	783.56

ADA RAMP SCHICK RD. @ GRAND DUEL WAY SE CORNER

POINT NO.	STATION	OFFSET	ELEVATION
1	36+13.14	33.23' RT	783.45 (M.E.)
2	36+13.11	37.23' RT	783.55 (M.E.)
3	36+08.14	33.24' RT	783.45
4	36+08.11	37.24' RT	783.51
5	35+98.72	35.61' RT	783.37
6	35+98.70	39.68' RT	783.35
7	35+93.80	36.47' RT	783.35
8	35+91.60	40.97' RT	783.32
9	35+91.49	36.45' RT	783.38
10	35+89.48	40.95' RT	783.35
11	36+00.02	27.16' RT	783.52
12	35+88.18	49.24' RT	783.31

**LEGEND**

- DETECTABLE WARNINGS
- DEPRESSED CURB



USER NAME = ycontreras	DESIGNED - YC	REVISED -
PLOT SCALE = 10,000' / in.	DRAWN - YC	REVISED -
PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
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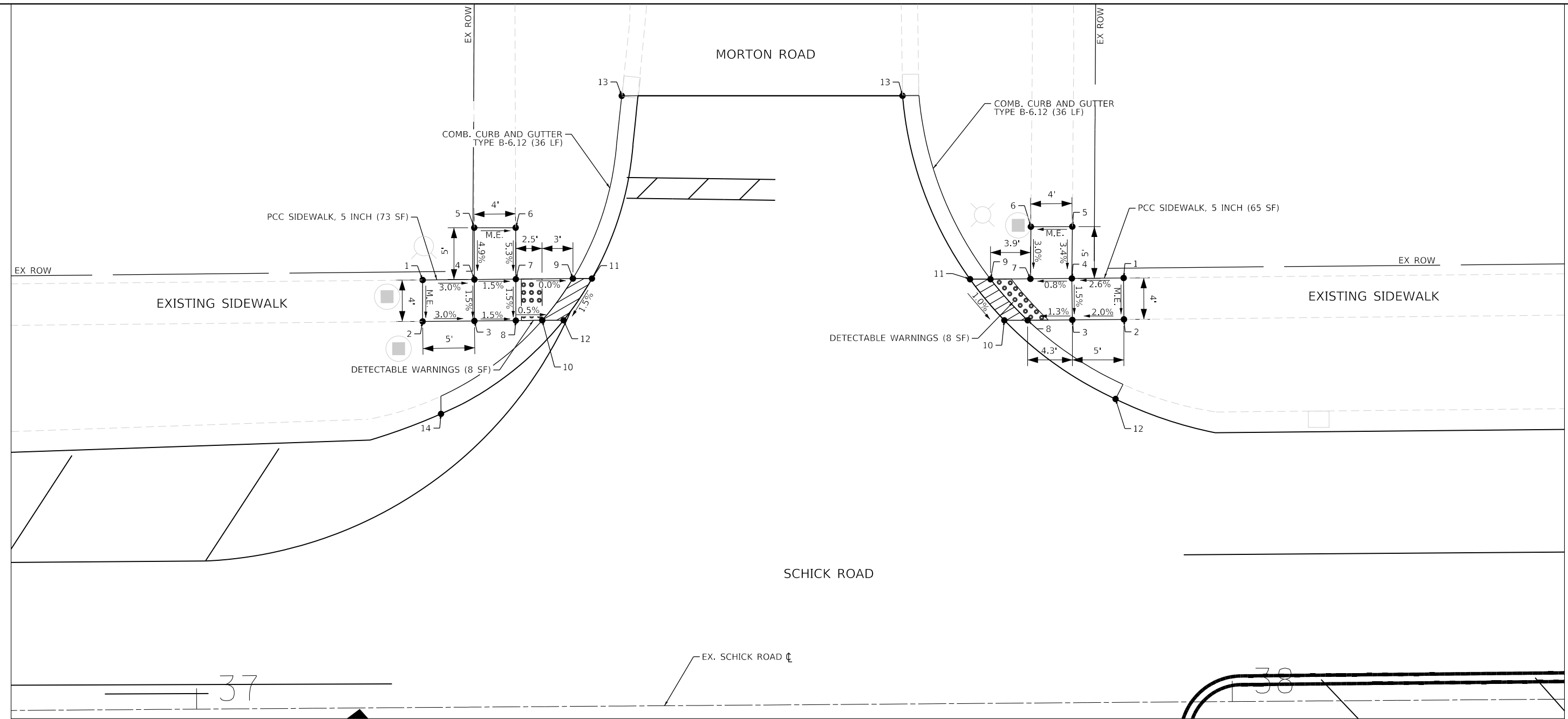
VILLAGE OF HANOVER PARK

**SCHICK ROAD RESURFACING  
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	26
CONTRACT NO. 61K75			ILLINOIS	

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CADD\_SHEETS\774-032\_10\_ADA.dgn



ADA RAMP SHICK RD. @ MORTON RD. NE CORNER			
POINT NO.	STATION	OFFSET	ELEVATION
1	37+22.11	41.26' LT	784.88 (M.E.)
2	37+22.08	37.26' LT	784.82 (M.E.)
3	37+27.08	37.27' LT	784.67
4	37+27.11	41.27' LT	784.73
5	37+27.14	46.27' LT	784.97 (M.E.)
6	37+31.13	46.24' LT	784.94 (M.E.)
7	37+31.11	41.28' LT	784.67
8	37+31.08	37.28' LT	784.61
9	37+36.62	41.29' LT	784.67
10	37+33.63	37.28' LT	784.59
11	37+38.46	41.28' LT	784.68
12	37+35.70	37.27' LT	784.60
13	37+41.47	58.89' LT	785.03
14	37+23.79	28.33' LT	784.32

ADA RAMP SHICK RD. @ MORTON RD. NW CORNER			
POINT NO.	STATION	OFFSET	ELEVATION
1	37+89.80	40.96' LT	785.17 (M.E.)
2	37+89.80	36.96' LT	785.12 (M.E.)
3	37+84.80	36.95' LT	784.98
4	37+84.80	40.95' LT	785.04
5	37+84.88	45.95' LT	785.21 (M.E.)
6	37+80.88	45.97' LT	785.16 (M.E.)
7	37+80.80	40.94' LT	785.01
8	37+80.50	36.94' LT	784.92
9	37+76.94	40.94' LT	784.98
10	37+78.25	36.96' LT	784.93
11	37+74.97	40.94' LT	784.99
12	37+88.93	29.28' LT	784.91
13	37+68.58	58.70' LT	785.02

**LEGEND**

DETECTABLE WARNINGS

DEPRESSED CURB

**BLA, Inc.**

USER NAME = ycontreras	DESIGNED - YC	REVISED -
PLOT SCALE = 10,000' / in.	DRAWN - YC	REVISED -
PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

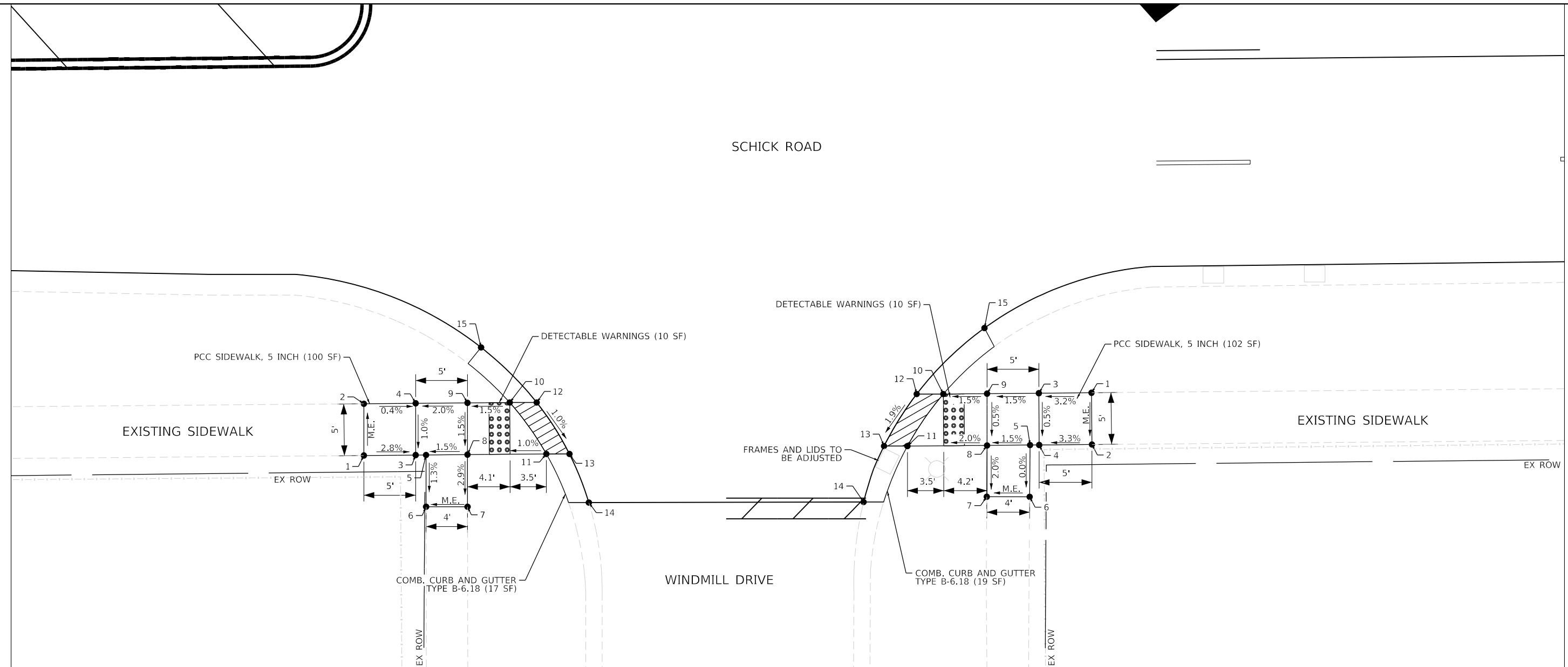
**SCHICK ROAD RESURFACING**  
**ADA RAMP DETAILS**

SCALE: 1"=5'

SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	27
ILLINOIS			CONTRACT NO. 61K75	



SCHICK ROAD



ADA RAMP SHICK RD. @ WINDMILL DR. SW CORNER			
POINT NO.	STATION	OFFSET	ELEVATION
1	41+31.43	46.25' RT	784.51 (M.E.)
2	41+31.47	41.25' RT	784.44 (M.E.)
3	41+36.43	46.25' RT	784.37
4	41+36.47	41.25' RT	784.42
5	41+37.43	46.25' RT	784.38
6	41+37.40	51.25' RT	784.32 (M.E.)
7	41+41.40	51.25' RT	784.30 (M.E.)
8	41+41.53	46.25' RT	784.44
9	41+41.46	41.25' RT	784.52
10	41+45.55	41.25' RT	784.58
11	41+49.05	46.25' RT	784.52
12	41+48.15	41.25' RT	784.61
13	41+51.28	46.25' RT	784.55
14	41+53.12	50.96' RT	784.45
15	41+38.84	33.77' RT	784.79

ADA RAMP SHICK RD. @ WINDMILL DR. SE CORNER			
POINT NO.	STATION	OFFSET	ELEVATION
1	42+01.73	40.70' RT	785.06 (M.E.)
2	42+01.73	45.70' RT	785.04 (M.E.)
3	41+96.64	40.70' RT	784.90
4	41+96.64	45.70' RT	784.87
5	41+95.76	45.71' RT	784.86
6	41+95.68	50.71' RT	784.86 (M.E.)
7	41+91.54	50.67' RT	784.70 (M.E.)
8	41+91.60	45.71' RT	784.80
9	41+91.64	40.71' RT	784.82
10	41+87.42	40.72' RT	784.76
11	41+83.92	45.72' RT	784.64
12	41+84.85	40.70' RT	784.79
13	41+81.66	45.71' RT	784.67
14	41+79.64	51.09' RT	784.53
15	41+94.46	32.46' RT	785.16

**LEGEND**

-  DETECTABLE WARNINGS
-  DEPRESSED CURB

FILE NAME = F:\774-032\_Hanover\_Park\_Schick\_Rd\_Phase\_1\Engineering\CAOD\_SHEETS\774-032\_10\_ADA.dgn



USER NAME = ycontreras	DESIGNED - YC	REVISED -
PLOT SCALE = 10,000' / in.	DRAWN - YC	REVISED -
PLOT DATE = 8/14/2024	CHECKED - JL	REVISED -
	DATE - 07/29/2024	REVISED -

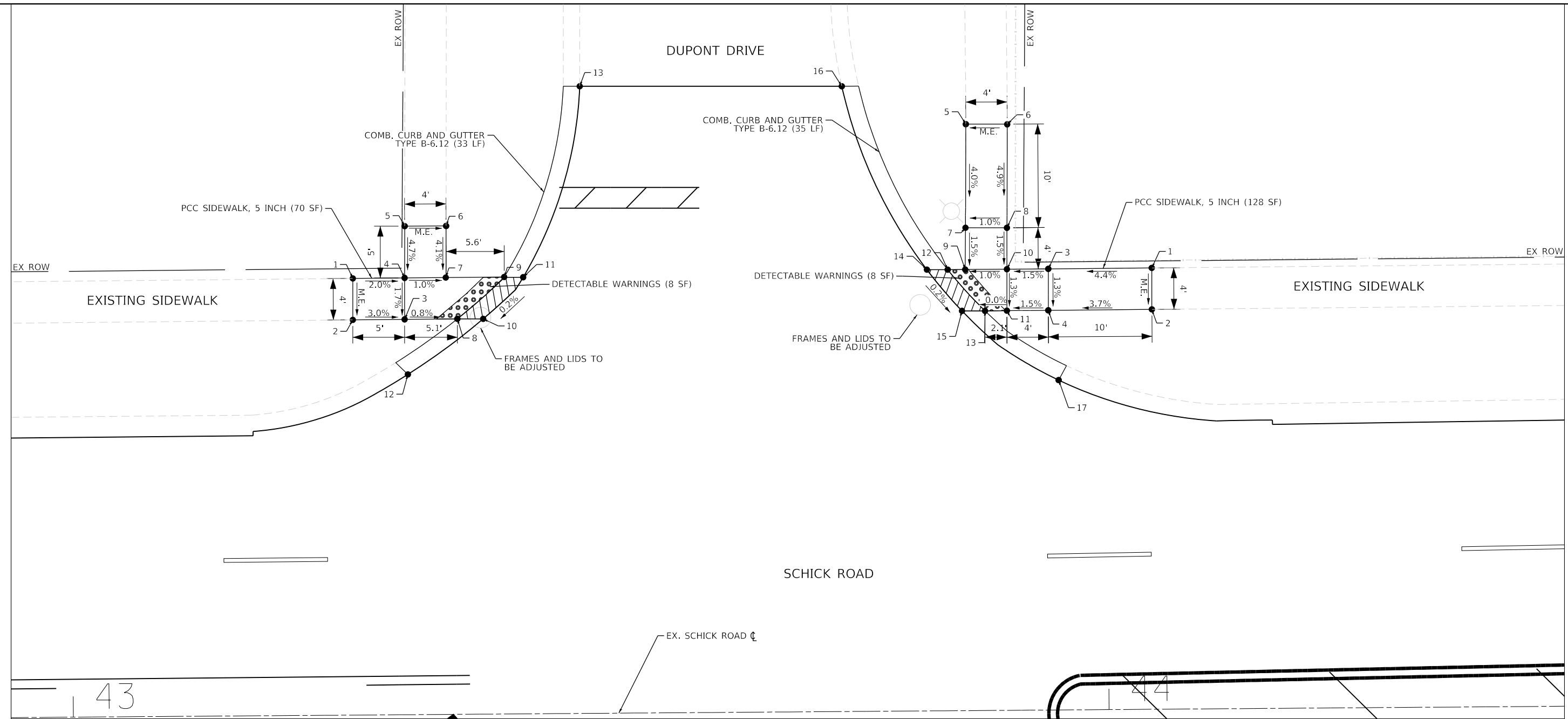
VILLAGE OF HANOVER PARK

SCHICK ROAD RESURFACING  
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	28
CONTRACT NO. 61K75			ILLINOIS	





ADA RAMP SCHICK RD. @ DUPONT DR. NW CORNER

POINT NO.	STATION	OFFSET	ELEVATION
1	43+27.29	42.15' LT	787.06 (M.E.)
2	43+27.25	38.15' LT	787.04 (M.E.)
3	43+32.26	38.16' LT	786.89
4	43+32.29	42.16' LT	786.96
5	43+32.33	47.16' LT	787.19 (M.E.)
6	43+36.33	47.15' LT	787.12 (M.E.)
7	43+36.29	42.16' LT	786.92
8	43+37.35	38.17' LT	786.85
9	43+41.90	42.17' LT	786.86
10	43+39.84	38.15' LT	786.86
11	43+43.74	42.14' LT	786.87
12	43+32.53	32.84' LT	786.81
13	43+49.33	60.54' LT	787.45

ADA RAMP SCHICK RD. @ DUPONT DR. NE CORNER

POINT NO.	STATION	OFFSET	ELEVATION
1	44+04.44	42.60' LT	787.72 (M.E.)
2	44+04.42	38.60' LT	787.60 (M.E.)
3	43+94.44	42.57' LT	787.28
4	43+94.42	38.57' LT	787.23
5	43+86.58	56.60' LT	787.64 (M.E.)
6	43+90.58	56.58' LT	787.77 (M.E.)
7	43+86.48	46.60' LT	787.24
8	43+90.48	46.58' LT	787.28
9	43+86.42	42.57' LT	787.18
10	43+90.44	42.57' LT	787.22
11	43+90.42	38.57' LT	787.17
12	43+84.73	42.57' LT	787.18
13	43+88.31	38.57' LT	787.17
14	43+82.72	42.58' LT	787.19
15	43+86.08	38.57' LT	787.18
16	43+74.64	60.35' LT	787.54
17	43+95.37	31.84' LT	787.39

**LEGEND**

- DETECTABLE WARNINGS
- DEPRESSED CURB

FILE NAME = F:\774-032-Hanover-Park-Schick-Rd-Phase-1\Engineering\CADD-SHEETS\774-032-10-ADA.dgn



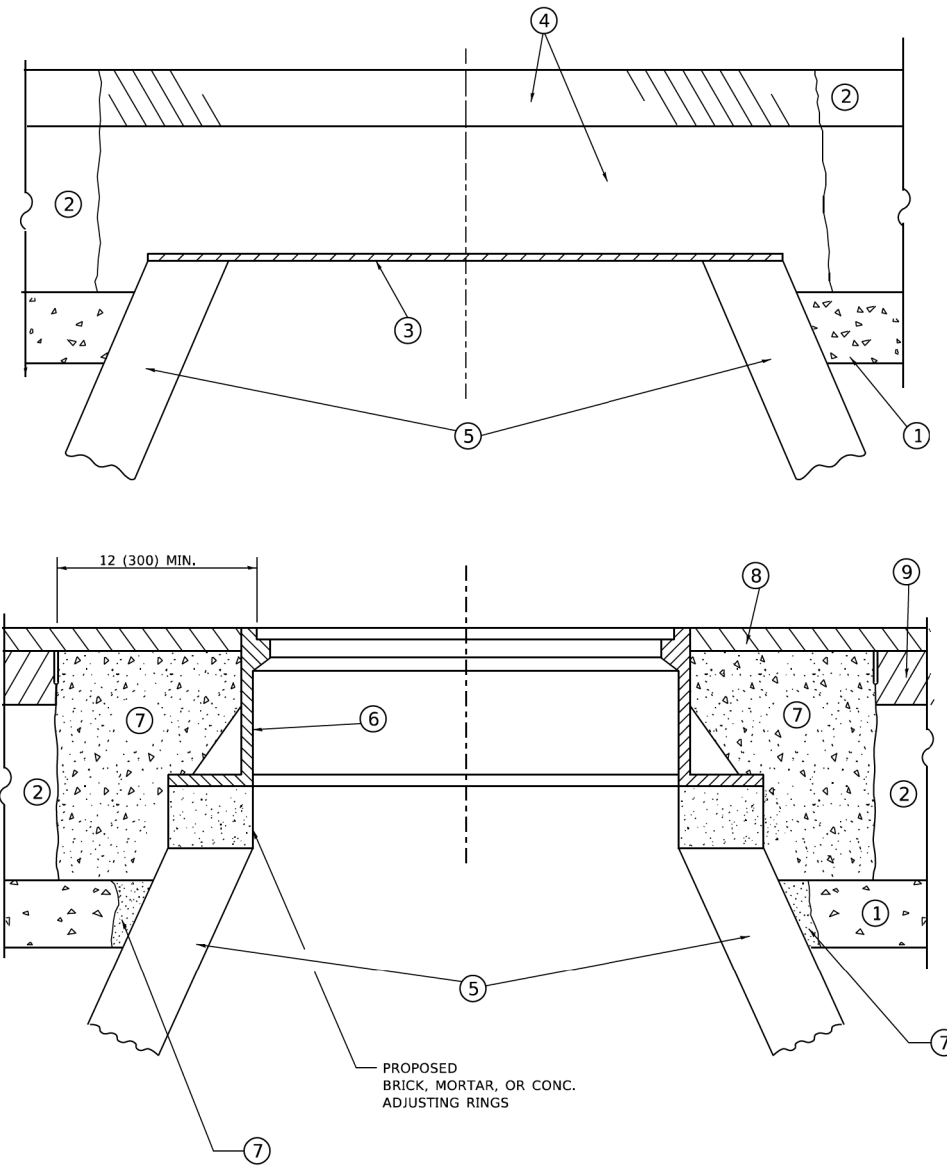
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PLOT DATE = 8/14/2024	DATE - 07/29/2024	REVISED -

**VILLAGE OF HANOVER PARK**

**SCHICK ROAD RESURFACING  
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369	23-00077-00-RS	DUPAGE	37	29
CONTRACT NO. 61K75			ILLINOIS	



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

**NOTES**

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

**CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
  - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
  - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- \* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

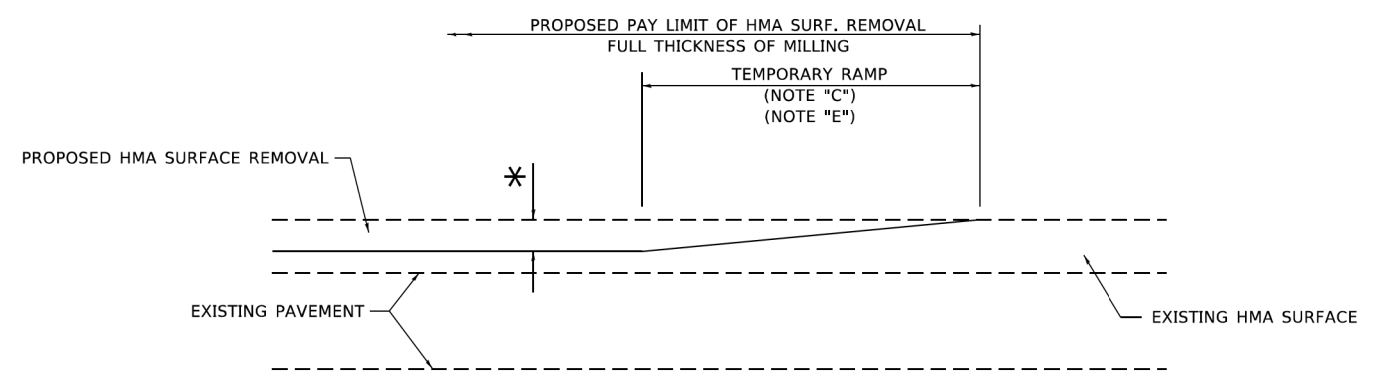
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	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

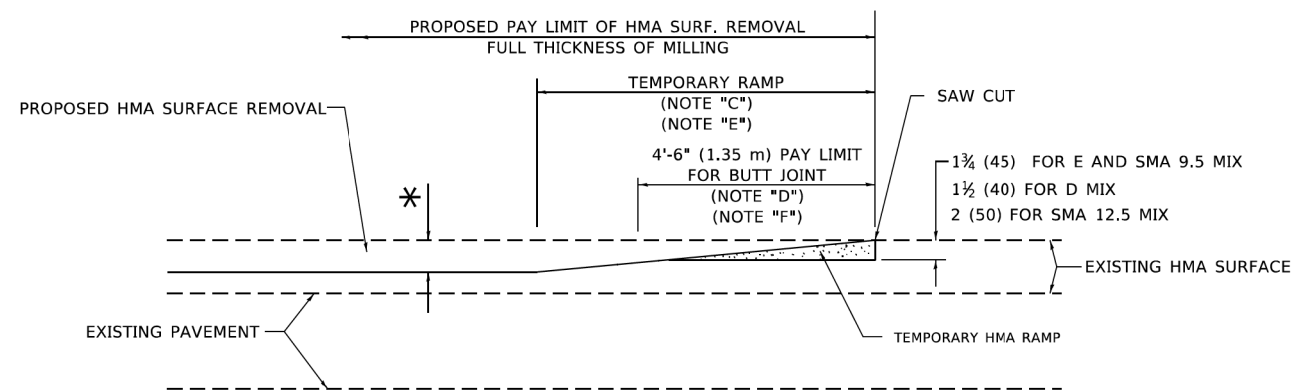
<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE. 1389	SECTION	COUNTY	TOTAL SHEETS 37	SHEET NO. 30
<b>BD600-03 (BD-08)</b>		DUPAGE	CONTRACT NO. 61K75	
ILLINOIS FED. AID PROJECT				



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

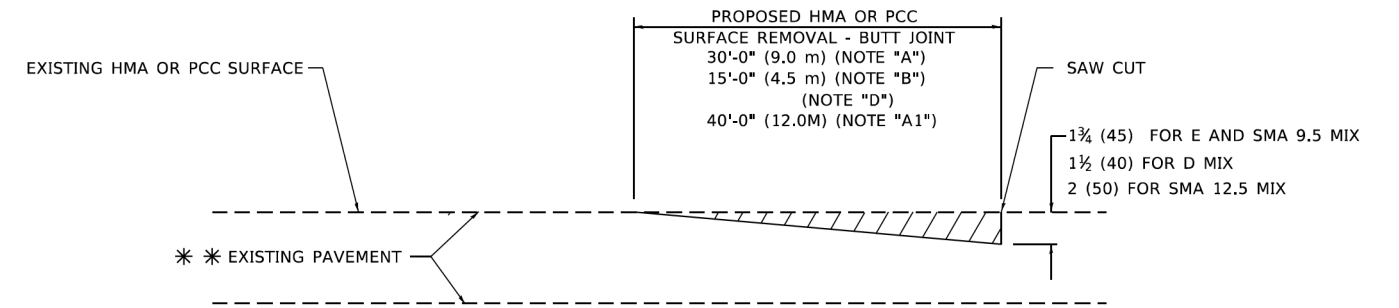
**OPTION 1**



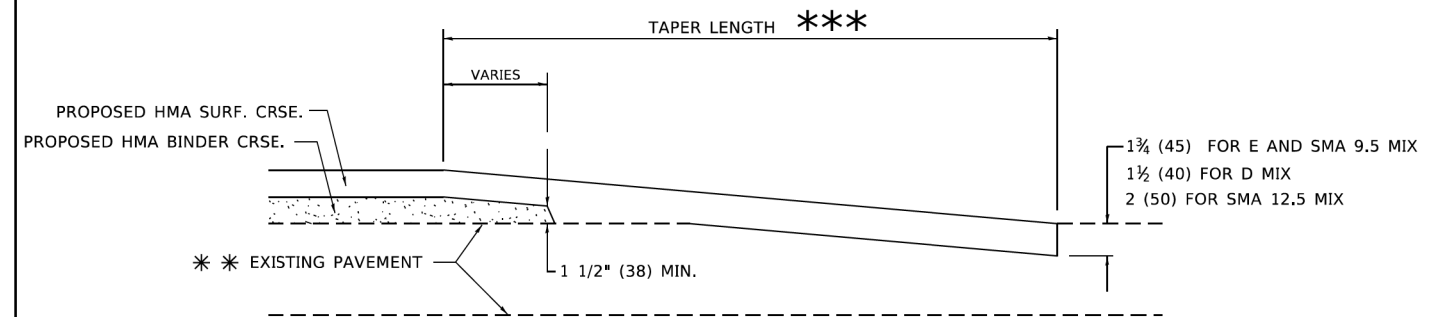
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

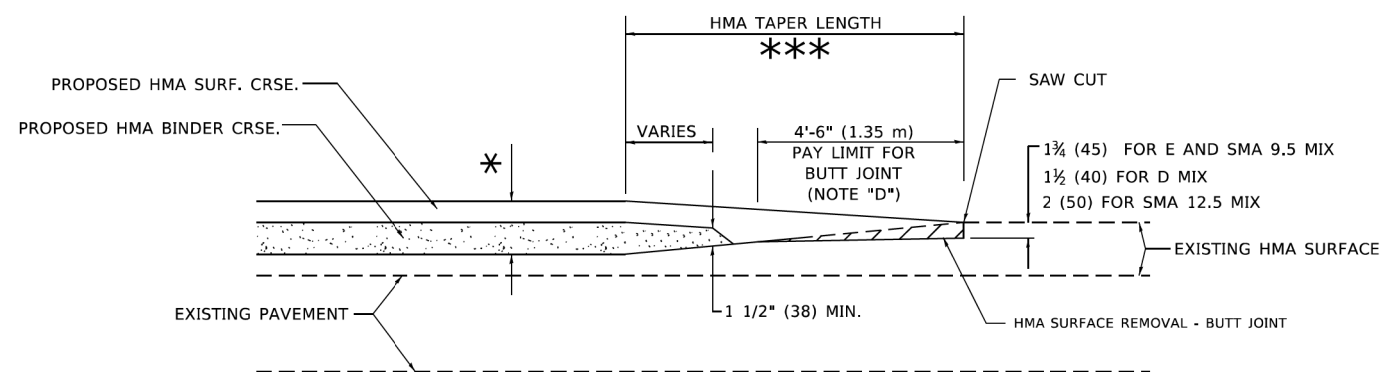
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

1. 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".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



**BUTT JOINT AND HMA TAPER**

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

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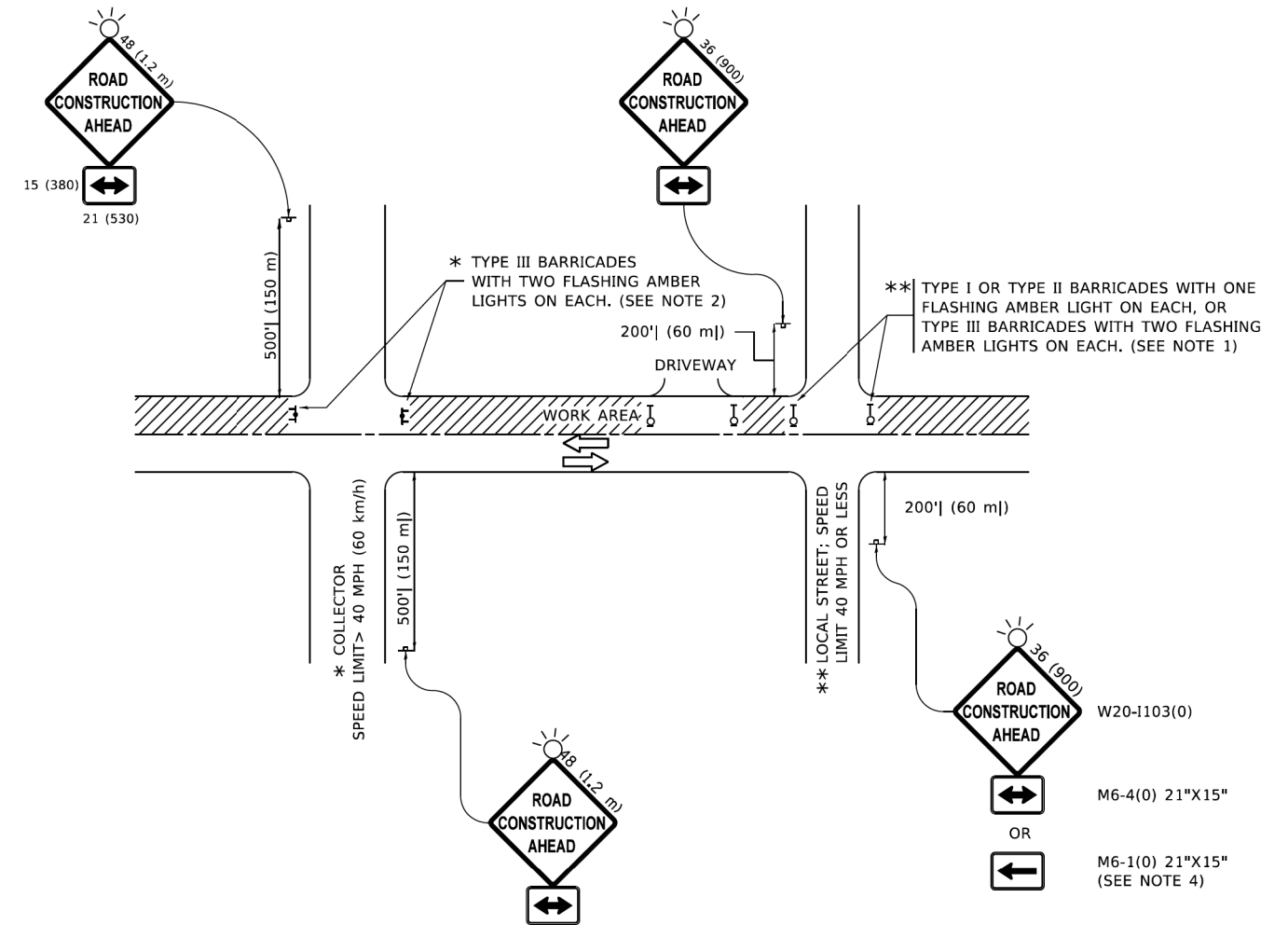
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A.U. RTE. 1389	SECTION	COUNTY	TOTAL SHEETS 37	SHEET NO. 31
BD400-05 BD-32		CONTRACT NO. 61K75		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

MODEL: Default  
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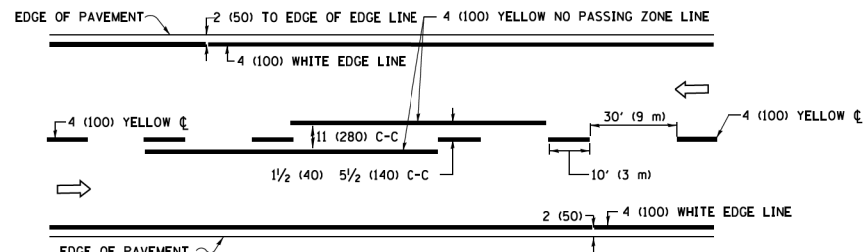
USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

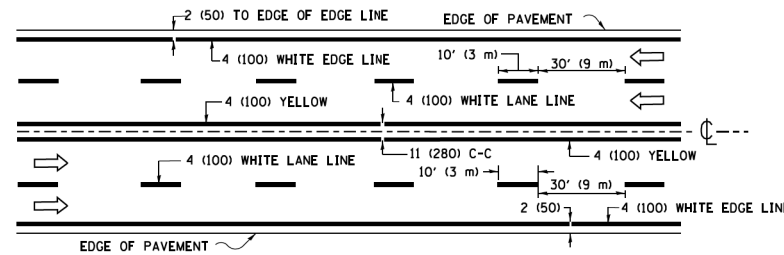
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

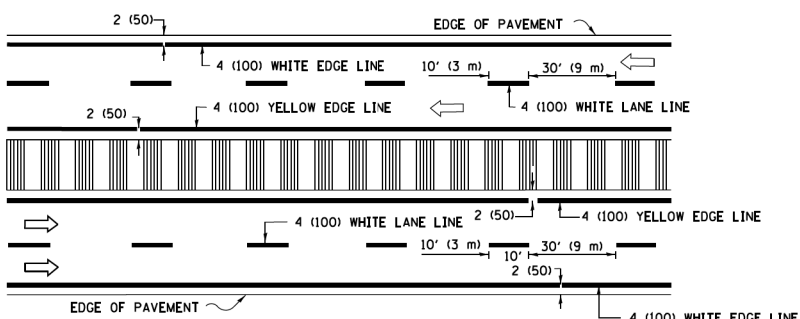
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1369		DUPAGE	37	32
<b>TC-10</b>			CONTRACT NO. 61K75	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

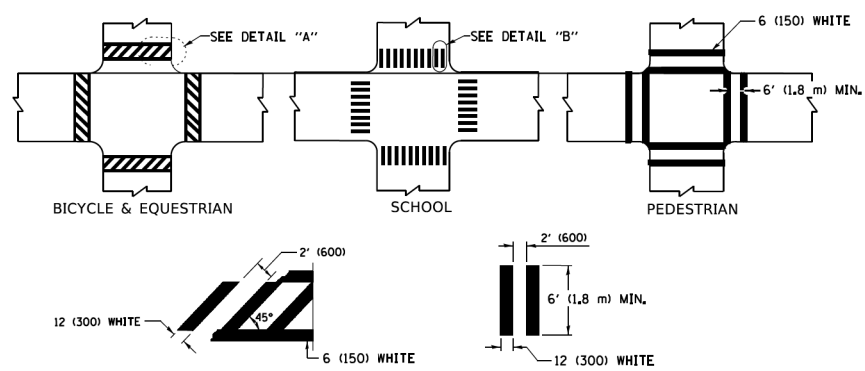


**MULTI-LANE UNDIVIDED**



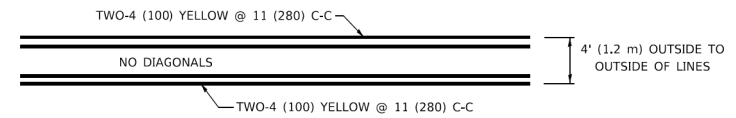
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

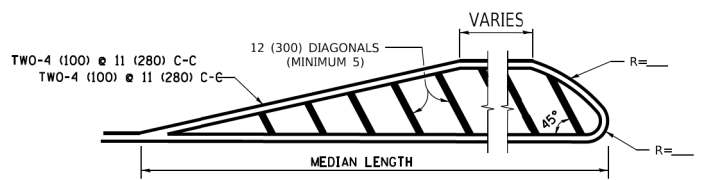


**TYPICAL CROSSWALK MARKING**

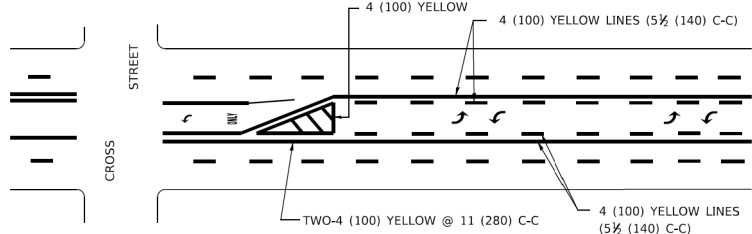
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



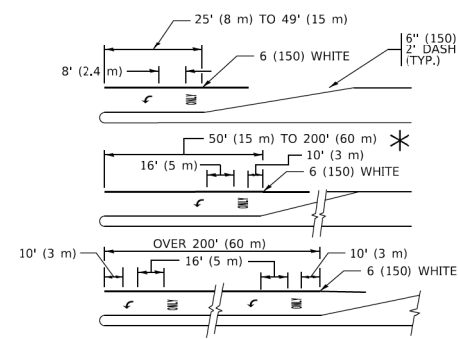
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**

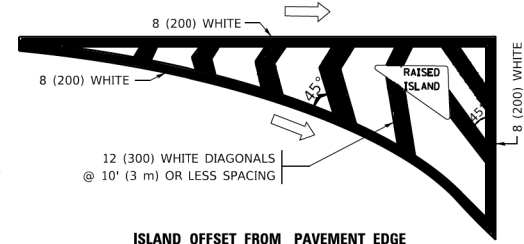


**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

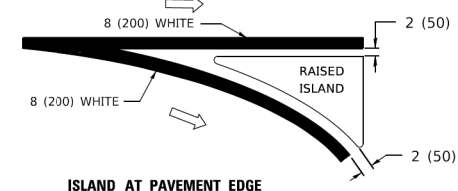


**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

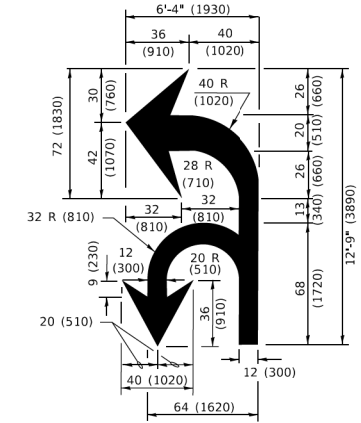


**ISLAND OFFSET FROM PAVEMENT EDGE**

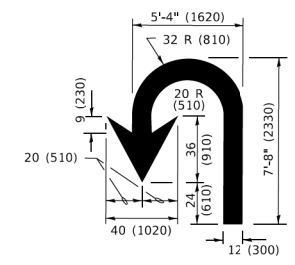


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

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

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

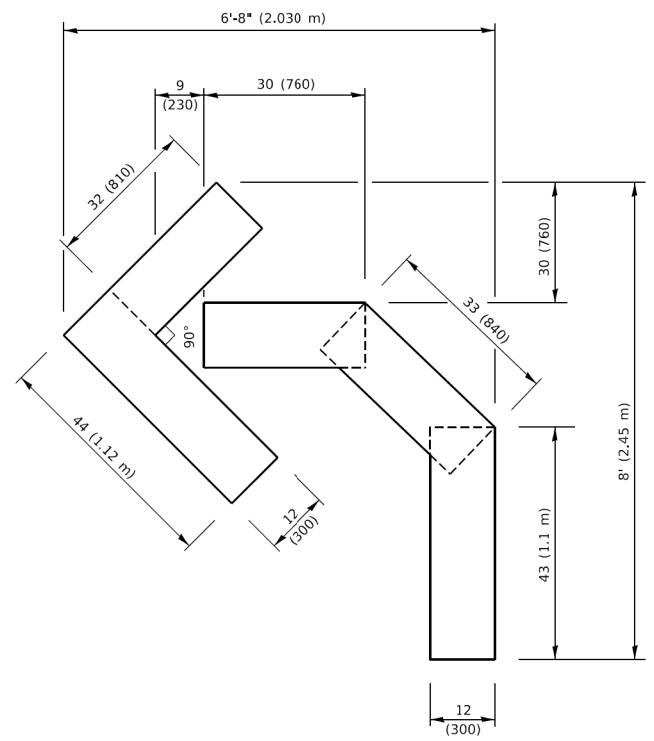
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PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

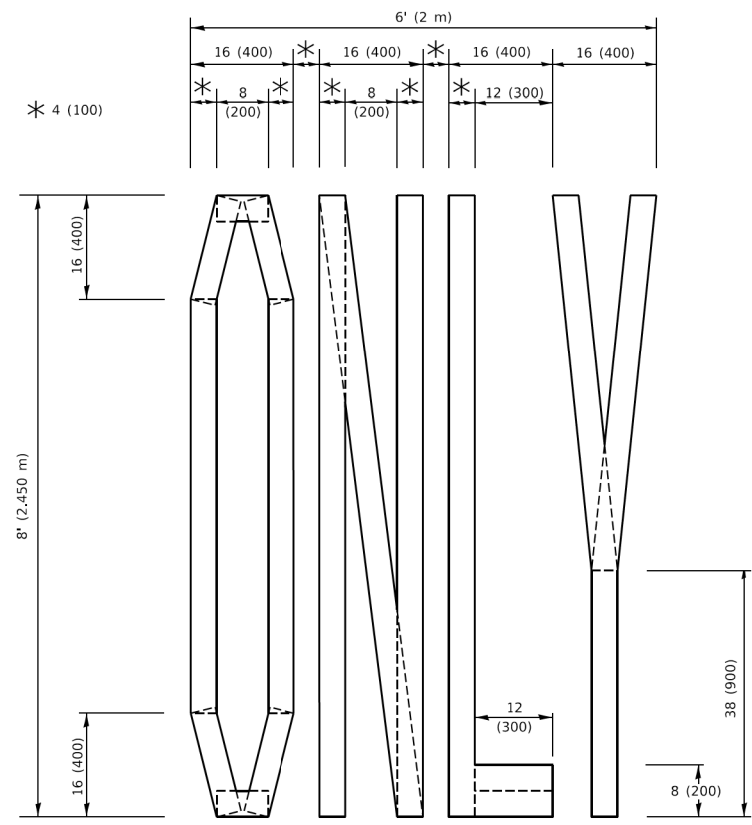
<b>DISTRICT ONE</b>		F.A.U. RTE.	SECTION	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		1389	DUPAGE	37	33
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 61K75	

<b>TC-13</b>		ILLINOIS	FED. AID PROJECT
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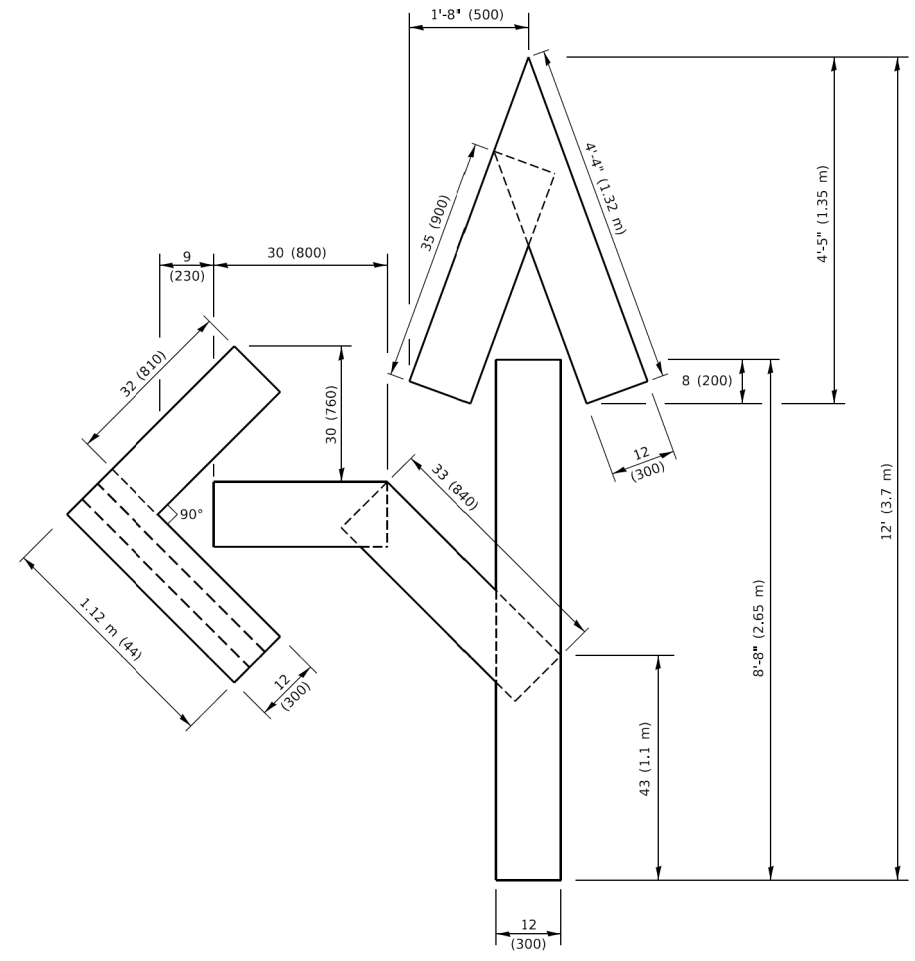
**QUANTITY**

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)

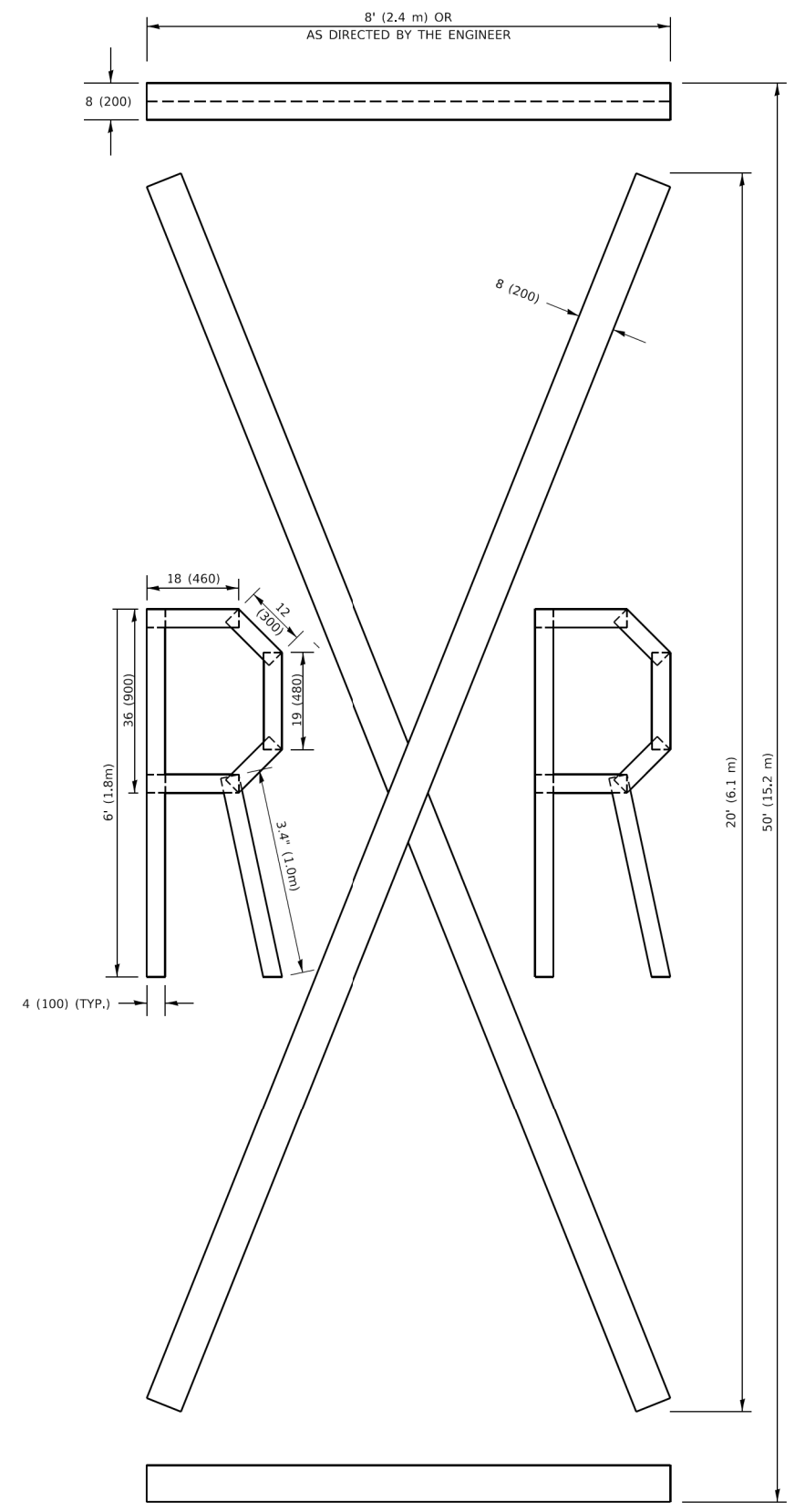


**QUANTITY**

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.

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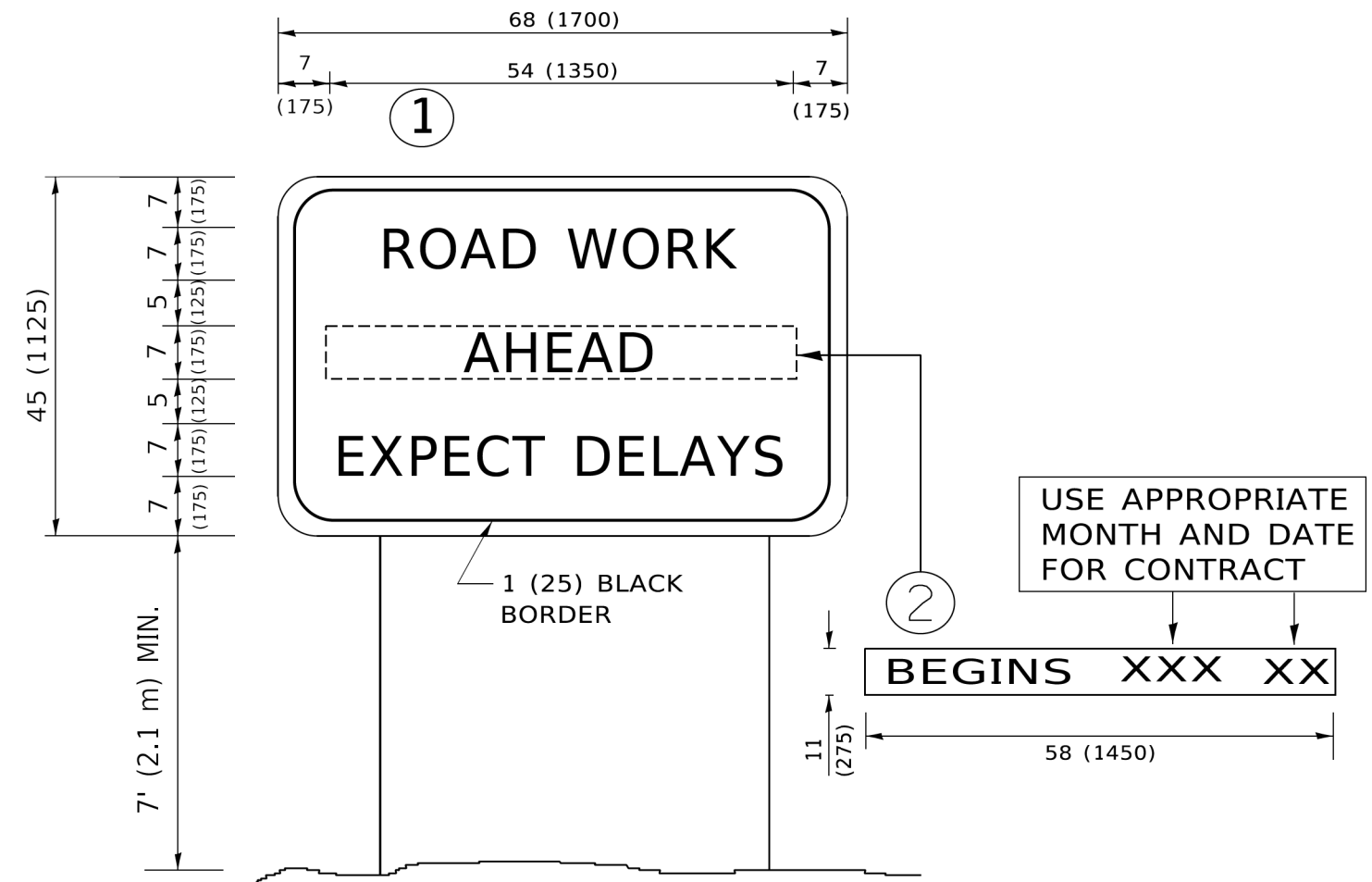
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PLOT SCALE = 50.0068" / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369		DUPAGE	37	34
<b>TC-16</b>			CONTRACT NO. 61K75	
ILLINOIS FED. AID PROJECT				



**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.

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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

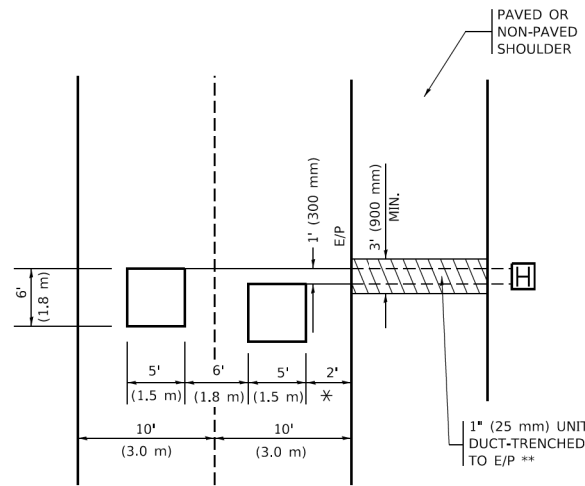
F.A.U. RTE. 1369	SECTION	COUNTY	TOTAL SHEETS 37	SHEET NO. 35
TC-22			CONTRACT NO. 61K75	
ILLINOIS FED. AID PROJECT				





**LOOPS NEXT TO SHOULDERS**

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

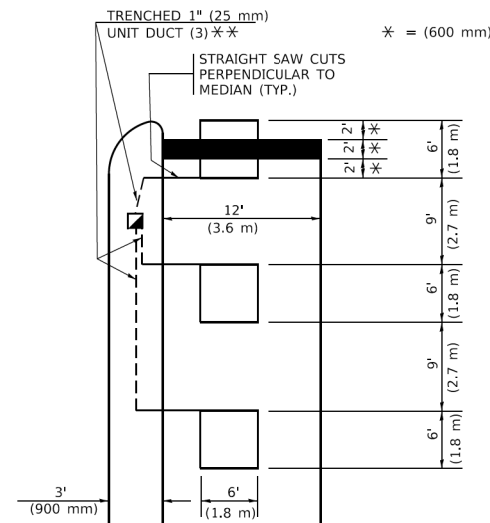


\* = (600 mm)

\*\* 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.

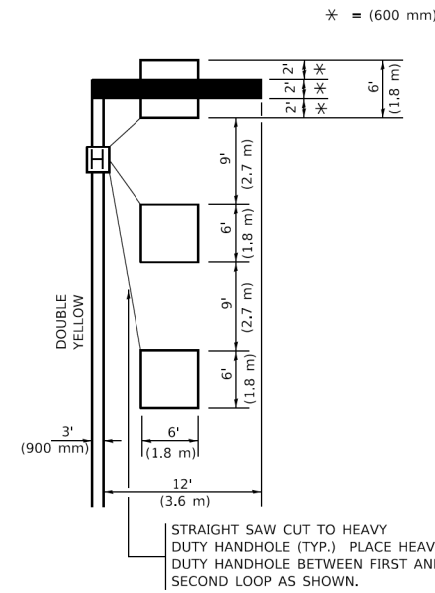


\* = (600 mm)

\*\* 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 SEPARATLY. 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.

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.

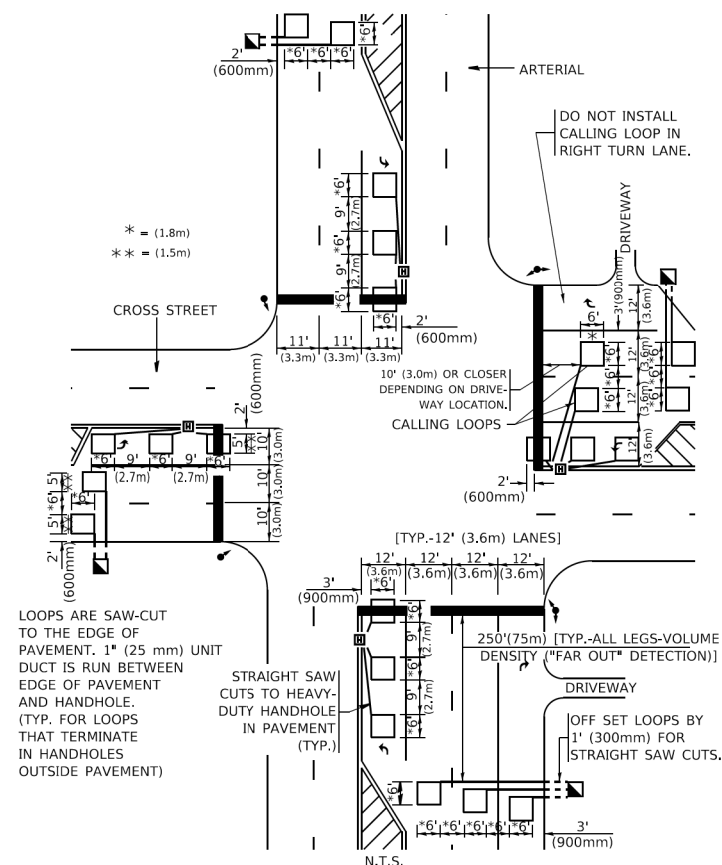
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

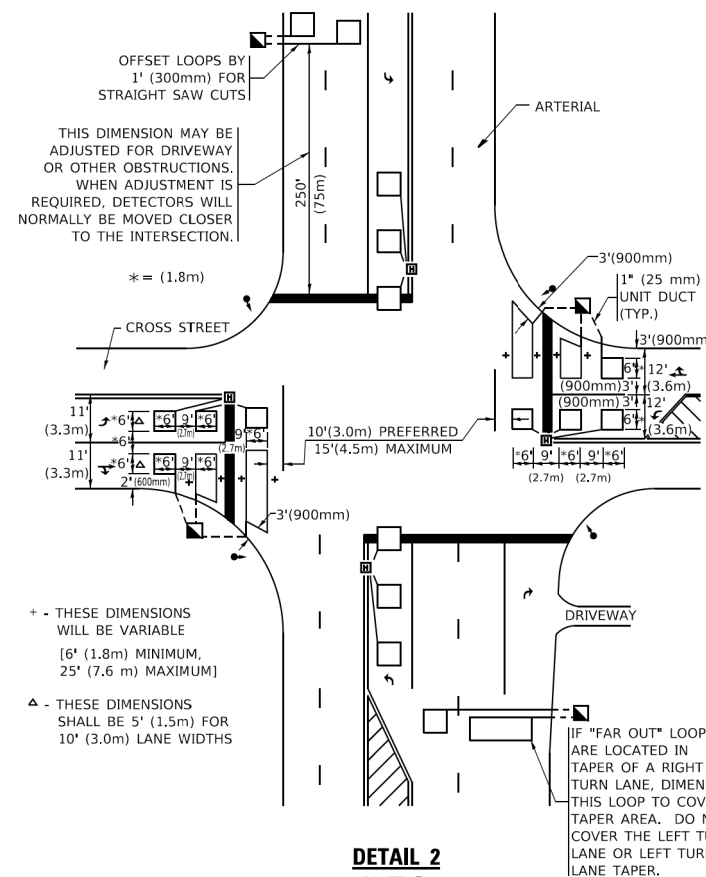
**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)**



\* = (1.8m)  
 \*\* = (1.5m)

**DETAIL 1**  
 N.T.S.

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



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

**DETAIL 2**  
 N.T.S.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION  
 DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1369		DUPAGE	37	37
TS-07			CONTRACT NO. 61K75	
ILLINOIS FED. AID PROJECT				