

04-23-2021 LETTING ITEM 011

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1662 (OLD WILLOW ROAD /SEMINOLE LANE)

FROM S WOLF ROAD TO US RTE 45 RESURFACING AND SHARED BIKE LANE

SECTION 18-00053-00-PV

PROJECT B8FD(436)

CITY OF PROSPECT HEIGHTS

COOK COUNTY

C-91-062-21

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18 00053-00-PV	COOK	60	1
			CONTRACT NO. 61H01	

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

TRAFFIC DATA

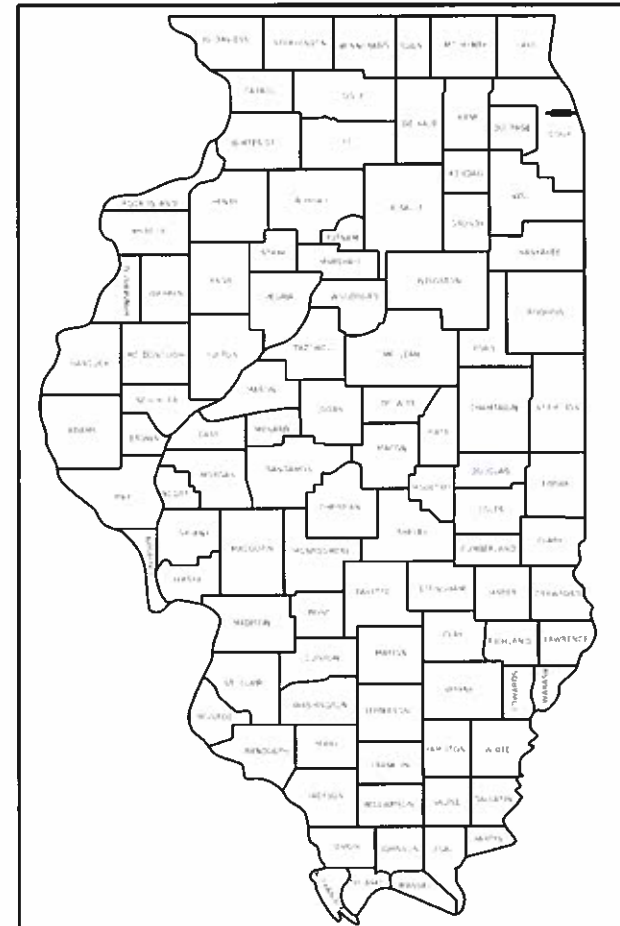
ROAD NAME: OLD WILLOW ROAD /SEMINOLE LANE

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR

POSTED SPEED LIMIT: 25 MPH

DESIGN SPEED: 30 MPH

ADT: 4,050 (2018)

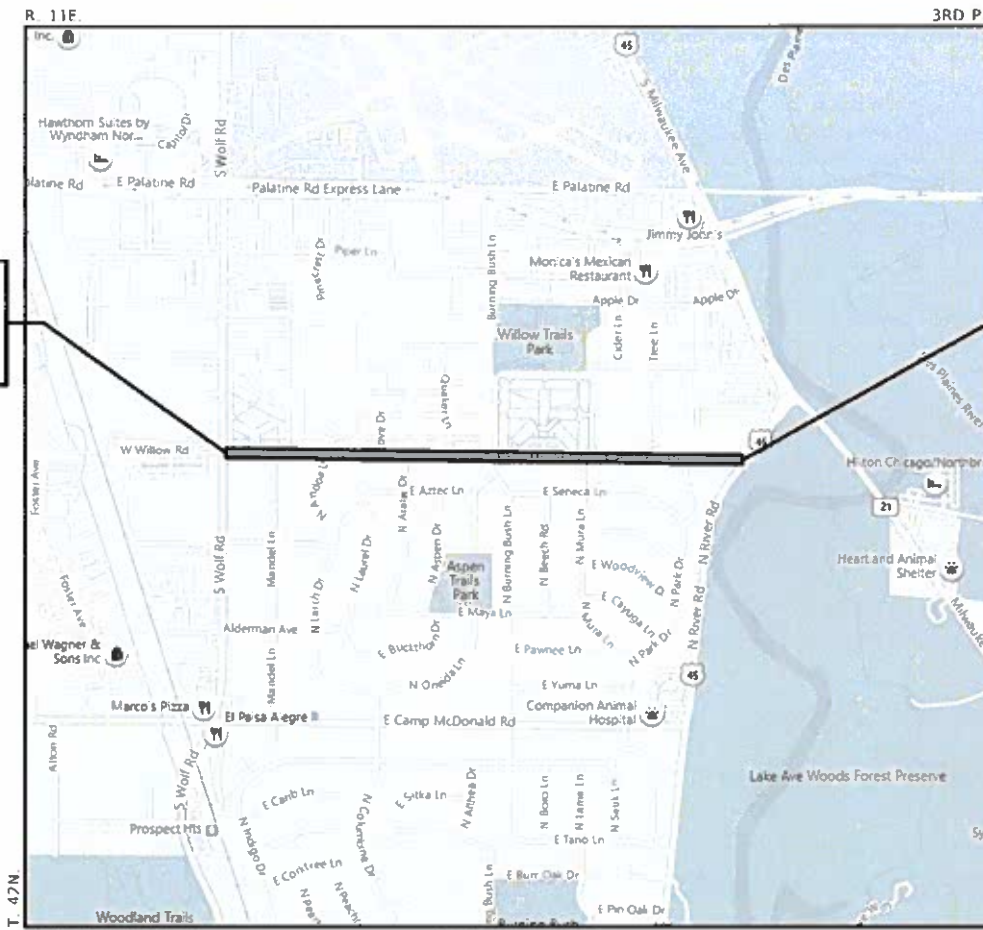


LOCATION OF SECTION INDICATED THIS: -

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

BEGIN IMPROVEMENT
OLD WILLOW ROAD
STA. 100+41

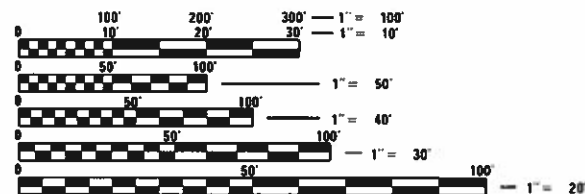
END IMPROVEMENT
OLD WILLOW ROAD
STA. 150+90



LOCATION MAP

GROSS LENGTH = 5,049 FT. = 0.96 MILE

NET LENGTH = 5,049 FT. = 0.96 MILE



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 EXCAVATORS
1-800-892-0123 OR 811



SIGNED: *Mark Wade*

DATE: JANUARY 5, 2021 EXP. 11/30/2021

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	JANUARY 5, 2021 <i>Joseph Wade</i> CITY OF PROSPECT HEIGHTS, CITY ADMINISTRATOR
APPROVED	JANUARY 5, 2021 <i>S.P. [Signature]</i> VILLAGE OF MOUNT PROSPECT, DIRECTOR OF PUBLIC WORKS
PASSED	JAN 27, 2021 <i>C.F. [Signature]</i> DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	JANUARY 27, 2021 <i>Jose Luis [Signature]</i> REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS

**GHA GEWALT HAMILTON
ASSOCIATES, INC.**
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

CONTRACT NO. 61H01

INDEX OF SHEETS

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GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2021, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.
2. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES.
5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
7. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.
9. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
10. THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT Kalpana.Kannan-Hosadurga@illinois.gov A MINIMUM OF 72 HOURS BEFORE BEGINNING WORK.

UTILITY NOTES

1. UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.
2. MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.
3. ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.
4. STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602301-04	INLET - TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602701-02	MANHOLE STEPS
604086-04	FRAME AND GRATE TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT 1 DETAILS

BD-7	STORM SEWER CONNCTION TO EXISTING SEWER
BD-8	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, LISTING OF APPLICABLE STANDARDS, GENERAL NOTES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45				1662	18-00053-00-PV	COOK	60	2
				CONTRACT NO. 61H01				
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS		FED. AID PROJECT		

SUMMARY OF QUANTITIES					CONSTRUCTION CODE
					75% FEDERAL / 25% PROSPECT HEIGHTS
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	
20200100	EARTH EXCAVATION	CU YD	80	80	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	45	45	
20800150	TRENCH BACKFILL	CU YD	45	45	
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	175	175	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	5	5	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	5	5	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	5	
25200110	SODDING, SALT TOLERANT	SQ YD	175	175	
25200200	SUPPLEMENTAL WATERING	UNIT	50	50	
28000510	INLET FILTERS	EACH	44	44	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	320	320	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11,000	11,000	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	212	212	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	915	915	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,830	1,830	

SP - SPECIAL PROVISION

* SPECIALTY ITEM

GHA GENSLER HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

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

F.A.U. RTE.	SECTION	CGUNTY	TOTAL SHEETS	SHEET NO.
1662	13-00053-00-PV	COCK	60	3
CONTRACT NO. 61H01			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES					CONSTRUCTION CODE
					75% FEDERAL / 25% PROSPECT HEIGHTS
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,920	2,920	
42400800	DETECTABLE WARNINGS	SQ FT	335	335	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	16,300	16,300	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	692	692	
44000600	SIDEWALK REMOVAL	SQ FT	2,800	2,800	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	86	86	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	251	251	
60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1	
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	1	1	
60500060	REMOVING INLETS	EACH	1	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	692	692	
SP *	66900200 NON-SPECIAL WASTE DISPOSAL	CU YD	40	40	
SP *	66900530 SOIL DISPOSAL ANALYSIS	EACH	2	2	
SP *	66901001 REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
SP *	66901003 REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
SP *	66901006 REGULATED SUBSTANCES MONITORING	CAL DA	2	2	

SP - SPECIAL PROVISION * SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

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

F.A.U. RTE. 1662	SECTION 18-00053-00-PV	COUNTY CCGK	TOTAL SHEETS 66	SHEET NO. 4
			CONTRACT NO. 61H01	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					CONSTRUCTION CODE
					75% FEDERAL / 25% PROSPECT HEIGHTS
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	
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	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	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	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,550	2,550	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	850	850	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	414	414	
* 72900100	METAL POST - TYPE A	FOOT	637	637	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109	109	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11,082	11,082	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,460	1,460	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	733	733	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	226	226	

SP - SPECIAL PROVISION

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES		F.A.U. R.L.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45		1662	18-00053-00-PV	COCK	68	5
SCALE: N.T.S.		SHEET 3 OF 4 SHEETS		STA.	TO STA.	
				ILLINOIS FED. AID PROJECT		
				CONTRACT NO. 61H01		

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
					75% FEDERAL / 25% PROSPECT HEIGHTS	
		CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005
SP	*	78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	352	352
SP		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	918	918
SP	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	311	311
SP		X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1
SP		X1700065	CLASS D PATCHES, TYPE IV, 10 INCHES (SPECIAL)	SQ YD	30	30
SP		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	8	8
SP		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	32	32
SP		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
SP	*	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	1	1

SP - SPECIAL PROVISION * SPECIALTY ITEM



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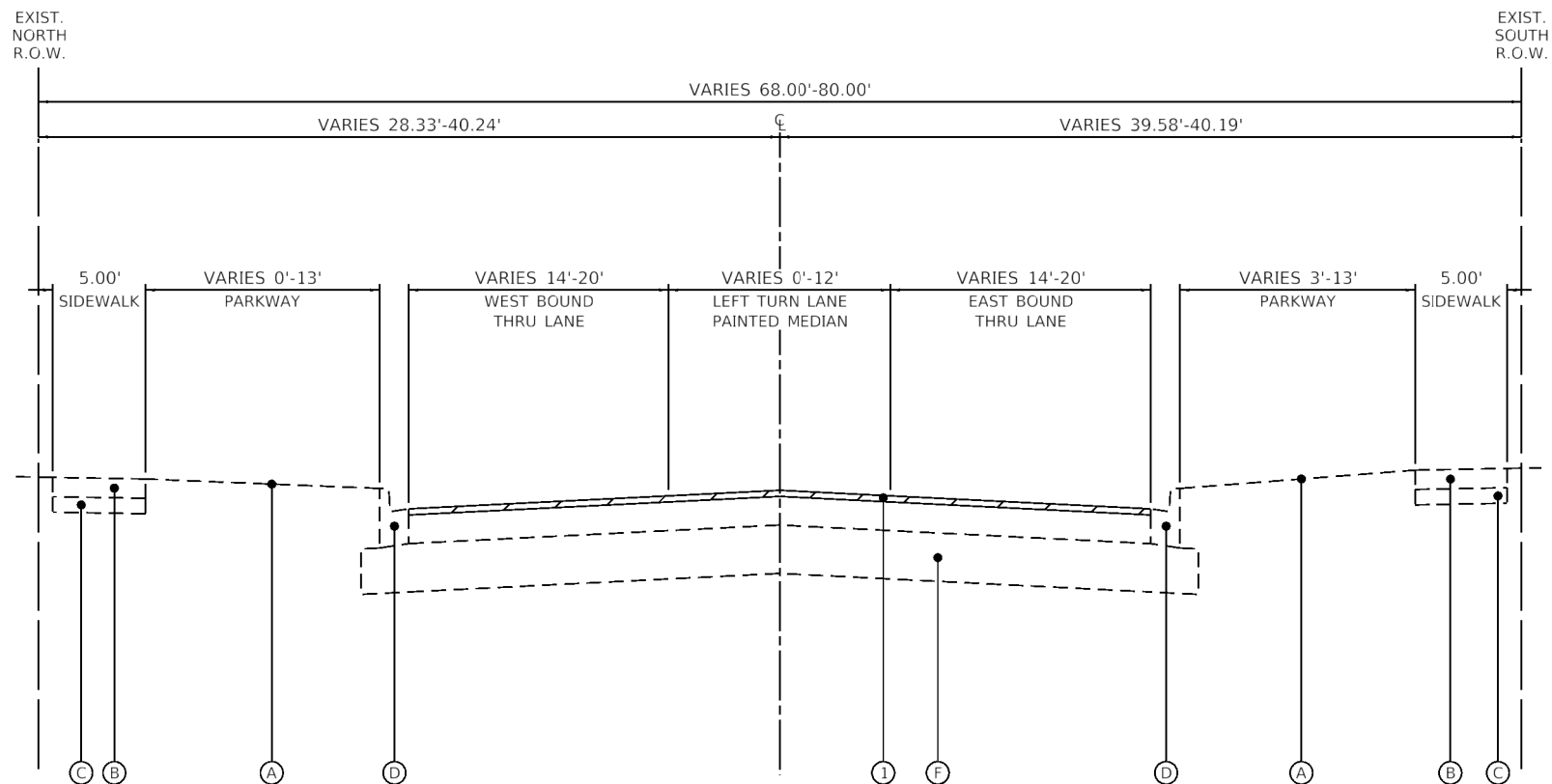
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

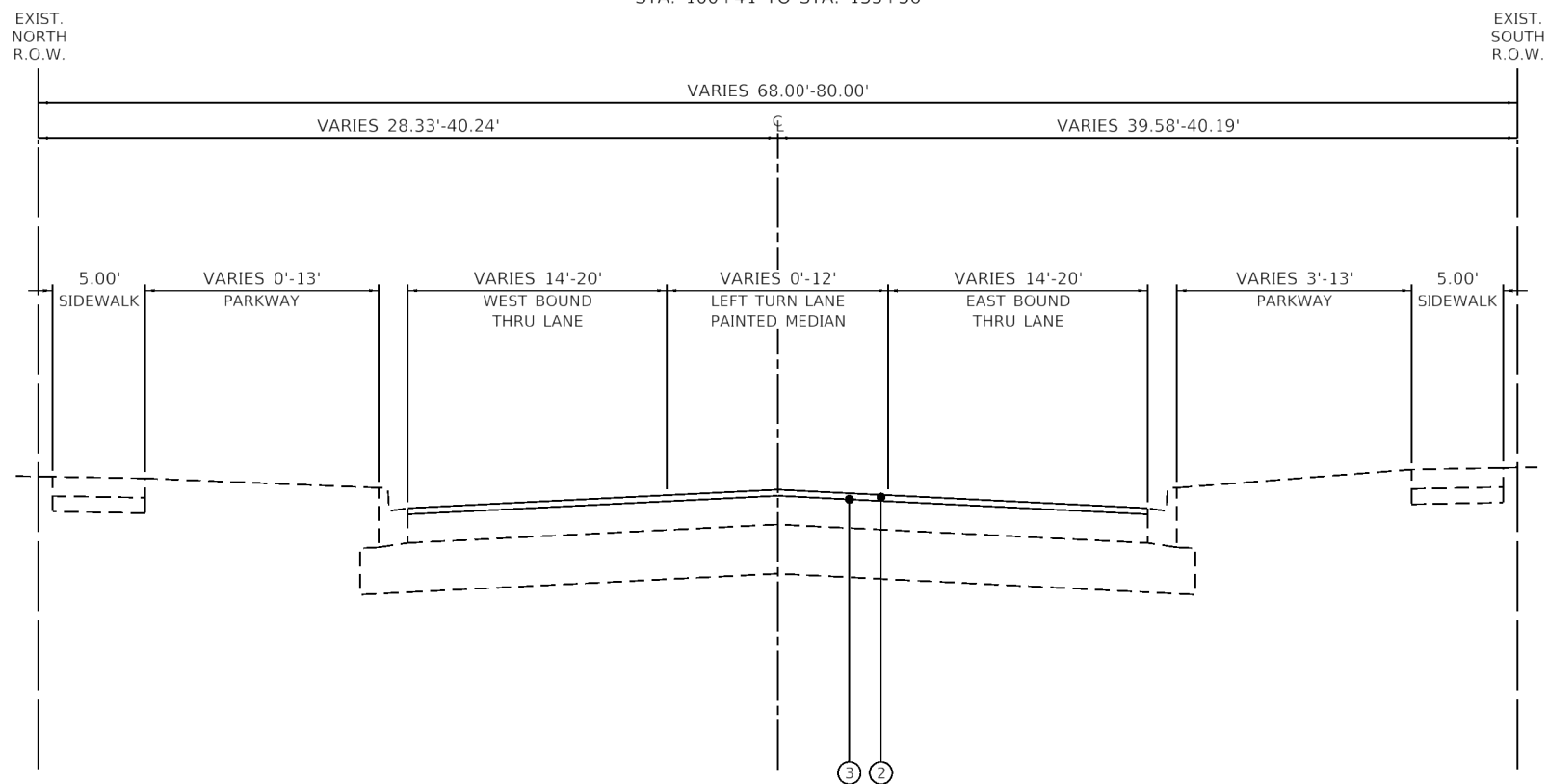
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1662	18-00053-00-PV	COOK	60	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H01	



**OLD WILLOW ROAD
EXISTING TYPICAL SECTION**

STA. 100+41 TO STA. 135+36



**OLD WILLOW ROAD
PROPOSED TYPICAL SECTION**

STA. 100+41 TO STA. 107+20

LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING PCC SIDEWALK
- (C) EXISTING AGGREGATE BASE COURSE
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (E) EXISTING HMA PAVEMENT, 10"-12"
- (F) EXISTING AGGREGATE SUBGRADE
- (1) HMA SURFACE REMOVAL, 3"
- (2) HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
- (3) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")

REMOVAL ITEM (SEE NOTE 1)

NOTES

1. COMBINATION CURB AND GUTTER REMOVAL OR SIDEWALK REMOVAL TO BE DONE AT LOCATIONS AS SHOWN ON PLANS AND CONFIRMED BY THE ENGINEER.

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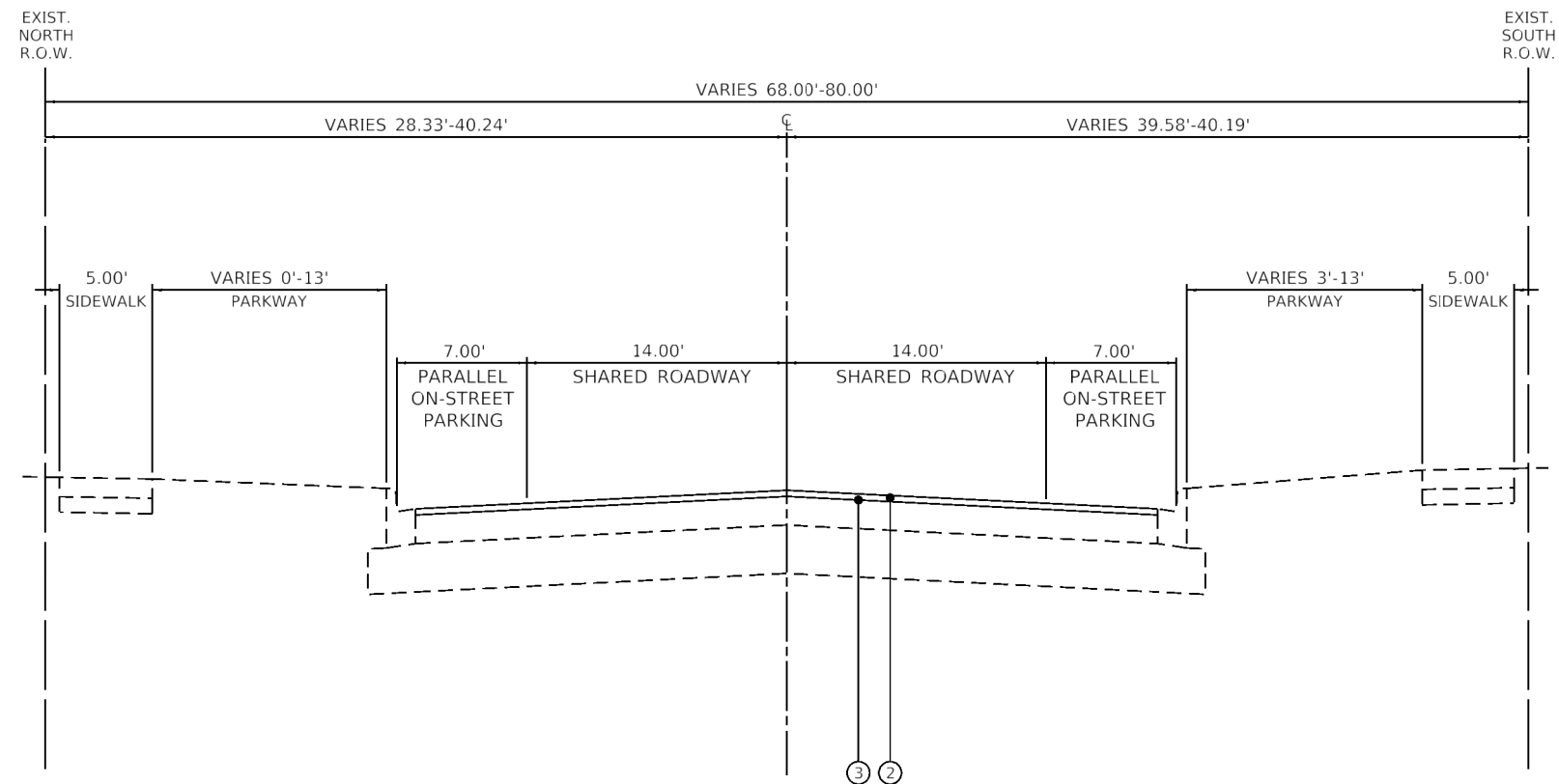
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DATE - 2/5/2021	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	7
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING PCC SIDEWALK
- (C) EXISTING AGGREGATE BASE COURSE
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (E) EXISTING HMA PAVEMENT, 10"-12"
- (F) EXISTING AGGREGATE SUBGRADE
- (1) HMA SURFACE REMOVAL, 3"
- (2) HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
- (3) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")

REMOVAL ITEM (SEE NOTE 1)

NOTES

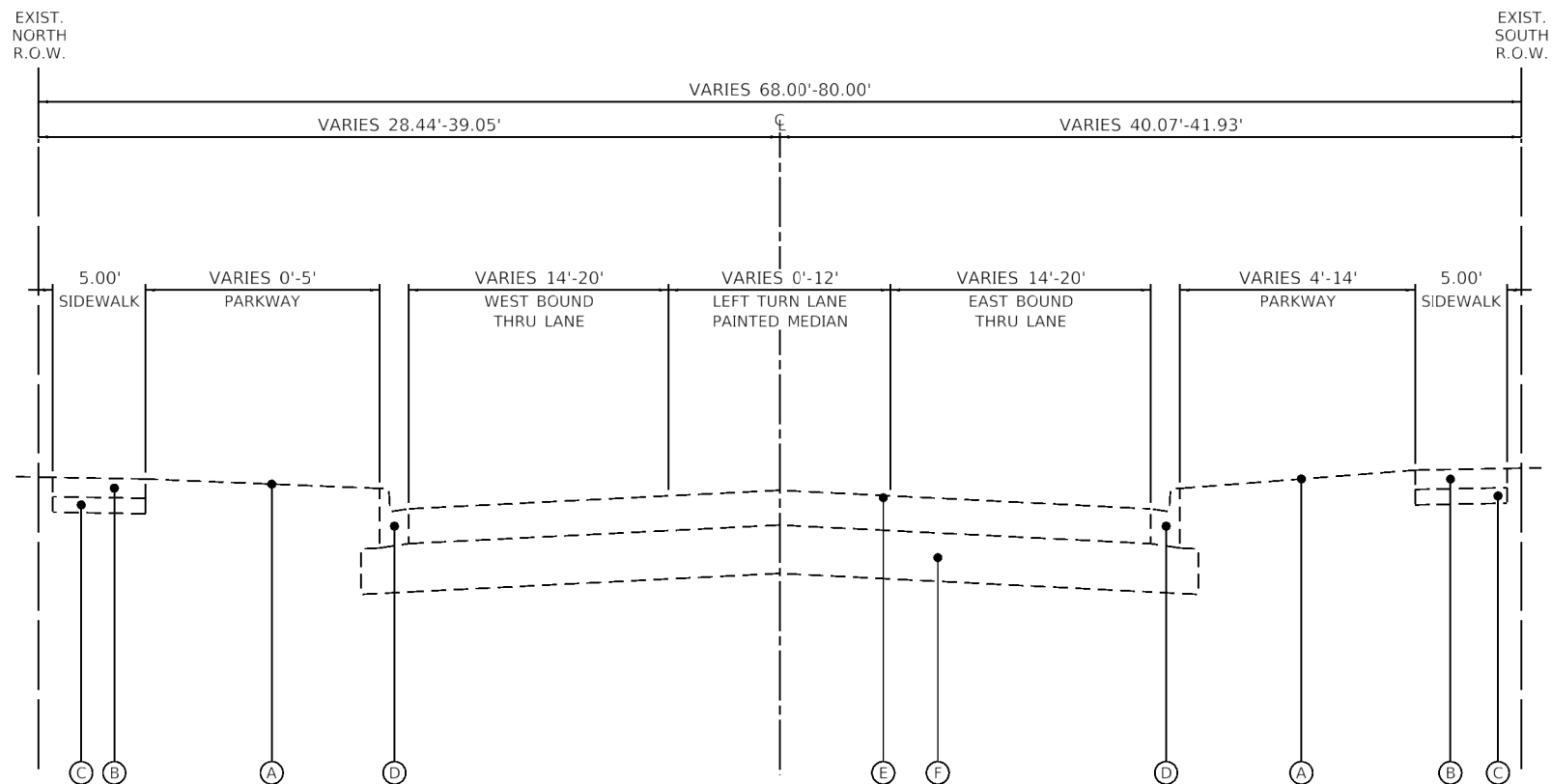
1. COMBINATION CURB AND GUTTER REMOVAL OR SIDEWALK REMOVAL TO BE DONE AT LOCATIONS AS SHOWN ON PLANS AND CONFIRMED BY THE ENGINEER.

OLD WILLOW ROAD
PROPOSED TYPICAL SECTION
STA. 107+20 TO STA. 135+36

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Default		DATE - 2/5/2021	REVISED -

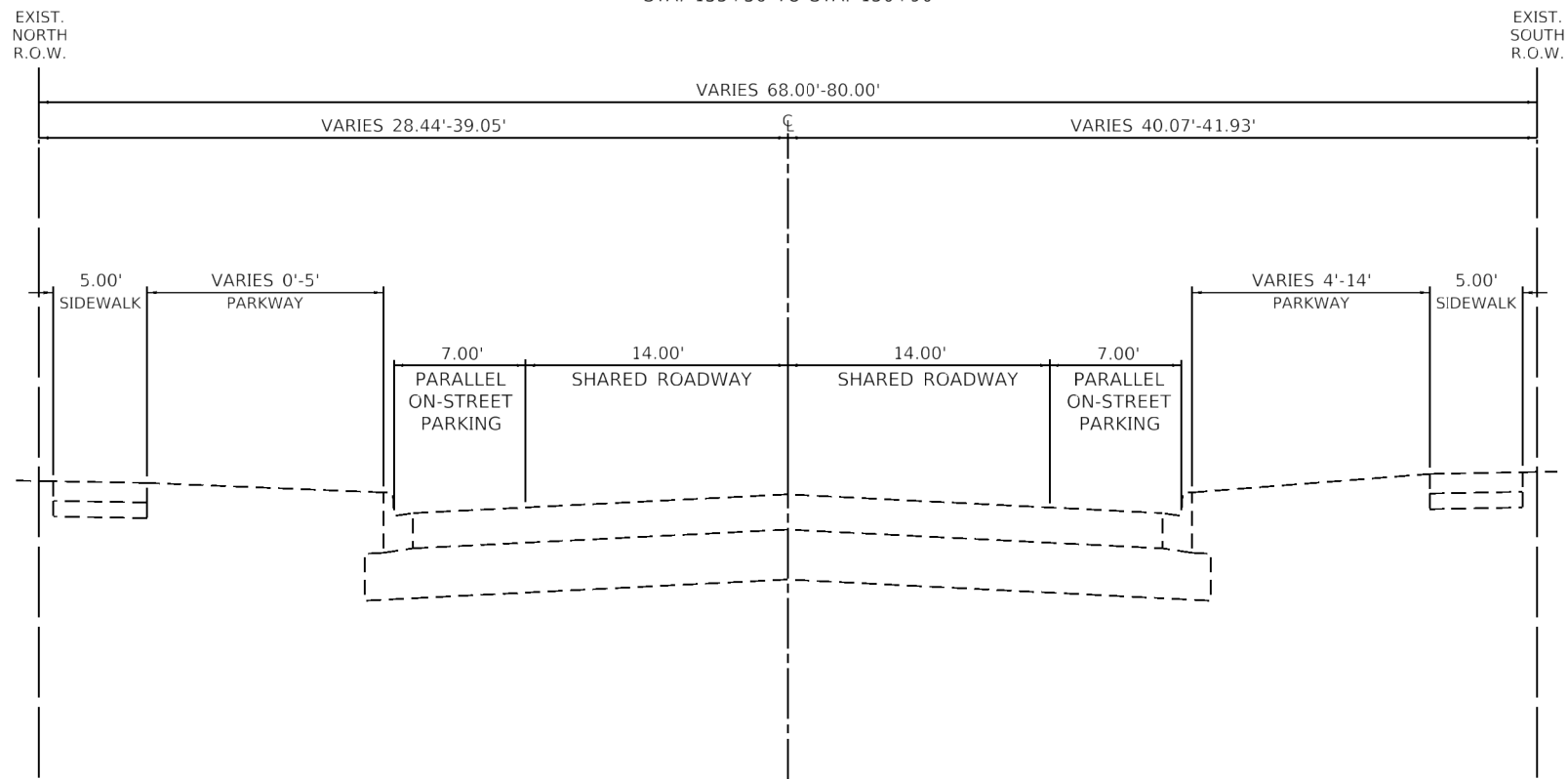
TYPICAL SECTIONS			
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45			
SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	8
CONTRACT NO. 61H01				
ILLINOIS		FED. AID PROJECT		



**OLD WILLOW ROAD
EXISTING TYPICAL SECTION**

STA. 135+36 TO STA. 150+90



**OLD WILLOW ROAD
PROPOSED TYPICAL SECTION**

STA. 135+36 TO STA. 148+36

LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING PCC SIDEWALK
- (C) EXISTING AGGREGATE BASE COURSE
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (E) EXISTING HMA PAVEMENT, 10"-12"
- (F) EXISTING AGGREGATE SUBGRADE
- ① HMA SURFACE REMOVAL, 3"
- ② HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
- ③ POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")

REMOVAL ITEM (SEE NOTE 1)

NOTES

1. COMBINATION CURB AND GUTTER REMOVAL OR SIDEWALK REMOVAL TO BE DONE AT LOCATIONS AS SHOWN ON PLANS AND CONFIRMED BY THE ENGINEER.

FILE NAME =	USER NAME = dolesak
4755.067-sh-typical 3.dgn	DESIGNED - MGFC
4755.067	DRAWN - GHA
Default	CHECKED - KLB
	DATE - 2/5/2021
	REVISIONS
	REVISED -
	REVISED -
	REVISED -

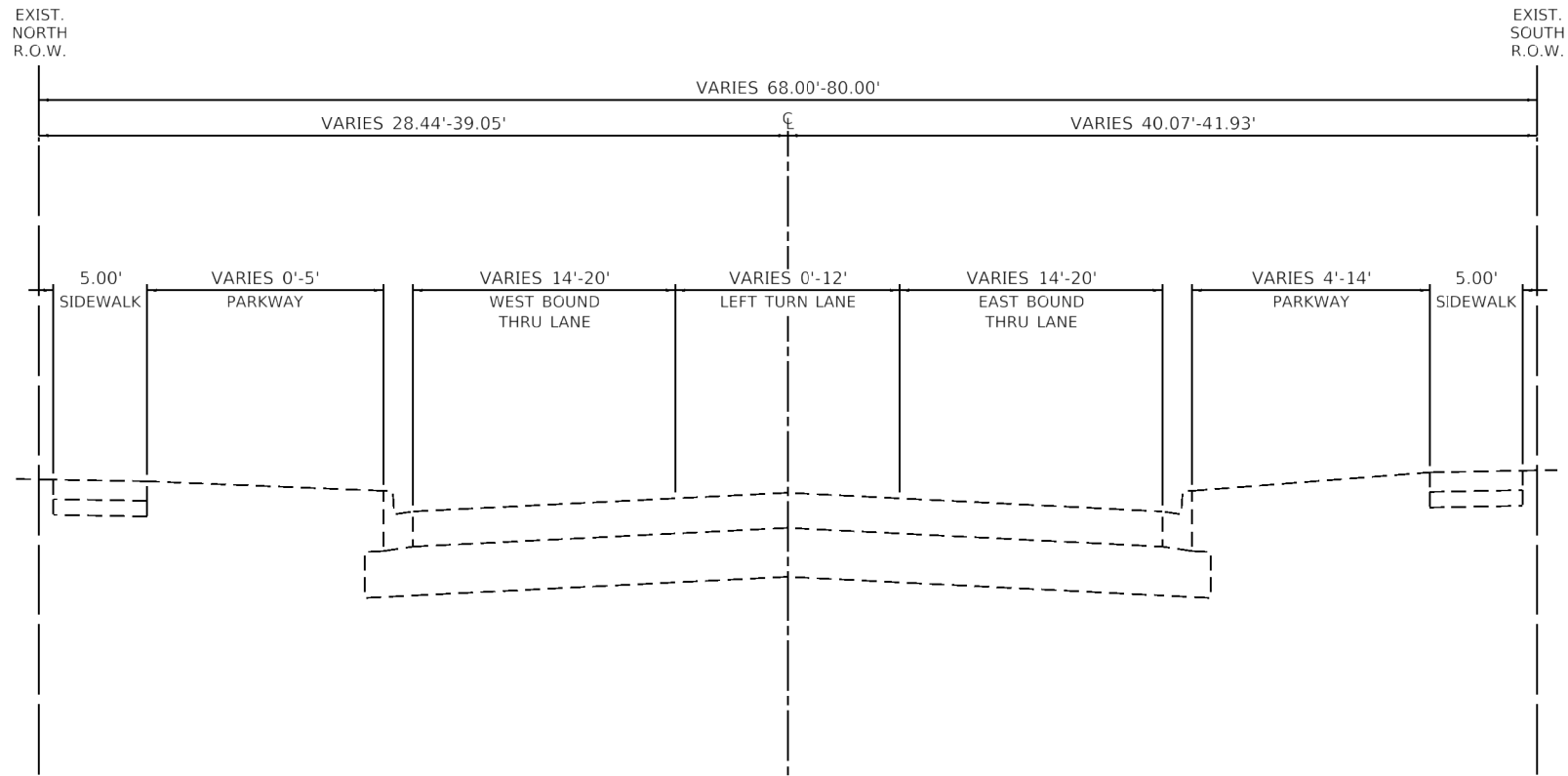
DESIGNED - MGFC	REVISED -
DRAWN - GHA	REVISED -
CHECKED - KLB	REVISED -
DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	9
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING PCC SIDEWALK
- (C) EXISTING AGGREGATE BASE COURSE
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (E) EXISTING HMA PAVEMENT, 10"-12"
- (F) EXISTING AGGREGATE SUBGRADE
- (1) HMA SURFACE REMOVAL, 3"
- (2) HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
- (3) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")

REMOVAL ITEM (SEE NOTE 1)

NOTES

1. COMBINATION CURB AND GUTTER REMOVAL OR SIDEWALK REMOVAL TO BE DONE AT LOCATIONS AS SHOWN ON PLANS AND CONFIRMED BY THE ENGINEER.

OLD WILLOW ROAD
PROPOSED TYPICAL SECTION
STA. 148+36 TO STA. 150+90

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
OLD WILLOW ROAD RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 GYR.
CLASS D PATCHING	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8"	4% @ 70 GYR.
CLASS D PATCHING (SPECIAL)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8"	4% @ 70 GYR.

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

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

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

FILE NAME =	USER NAME = dolesak	DESIGNED - MGFC	REVISED -
4755.067-sh-typical.dgn		DRAWN - GHA	REVISED -
4755.067		CHECKED - KLB	REVISED -
Default		DATE - 2/5/2021	REVISED -

TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45				1662	18-00053-00-PV	COOK	60	10
				CONTRACT NO. 61H01				
SCALE: N.T.S.	SHEET 4 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

1 SCHEDULE OF COMBINATION CURB AND GUTTER REMOVAL							
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	44000500
							COMBINATION CURB AND GUTTER REMOVAL
							FOOT
OLD WILLOW RD	104+73.66	23.12	RT	104+85.04	33.31	RT	15.6
OLD WILLOW RD	105+20.88	33.46	RT	105+33.15	23.53	RT	16.1
OLD WILLOW RD	109+89.91	21.39	LT	109+83.91	21.42	LT	14.0
OLD WILLOW RD	109+70.18	21.42	RT	109+82.97	23.31	RT	13.1
OLD WILLOW RD	109+82.97	23.31	RT	109+92.62	31.44	RT	12.8
OLD WILLOW RD	109+92.62	31.44	RT	109+96.61	43.78	RT	13.1
OLD WILLOW RD	110+24.40	44.05	RT	110+28.77	31.51	RT	13.4
OLD WILLOW RD	115+49.66	31.53	LT	115+56.70	40.09	LT	11.1
OLD WILLOW RD	115+97.71	40.09	LT	116+05.21	31.37	LT	11.5
OLD WILLOW RD	117+67.79	21.43	LT	117+80.79	21.43	LT	13.0
OLD WILLOW RD	117+67.79	21.49	RT	117+80.15	26.40	RT	13.4
OLD WILLOW RD	117+80.15	26.40	RT	117+84.65	30.94	RT	6.4
OLD WILLOW RD	117+84.65	30.94	RT	117+89.44	43.09	RT	13.2
OLD WILLOW RD	118+17.43	42.85	RT	118+22.01	30.91	RT	12.9
OLD WILLOW RD	122+03.21	21.25	RT	122+16.21	21.24	RT	13.0
OLD WILLOW RD	122+04.03	26.77	LT	122+15.51	40.20	LT	17.9
OLD WILLOW RD	122+17.02	40.22	LT	122+83.83	30.96	LT	11.5
OLD WILLOW RD	126+27.87	21.52	LT	126+75.63	28.29	LT	49.9
OLD WILLOW RD	126+27.88	21.46	RT	126+40.33	25.77	RT	13.3
OLD WILLOW RD	126+40.33	25.77	RT	126+45.62	30.58	RT	7.2
OLD WILLOW RD	126+45.62	30.58	RT	126+50.79	43.50	RT	14.1
OLD WILLOW RD	126+85.85	43.11	RT	126+88.34	29.98	RT	13.5
OLD WILLOW RD	127+45.40	28.30	LT	127+78.07	21.74	LT	34.5
OLD WILLOW RD	131+29.67	21.61	LT	131+59.44	28.37	LT	32.1
OLD WILLOW RD	132+00.72	28.38	LT	132+33.60	21.78	LT	35.2
OLD WILLOW RD	133+44.68	21.52	LT	135+37.95	21.67	LT	193.3
OLD WILLOW RD	135+37.95	21.32	RT	135+39.55	21.32	RT	1.6
OLD WILLOW RD	135+37.95	21.67	LT	135+50.95	21.60	LT	13.0
OLD WILLOW RD	135+39.55	21.32	RT	135+50.51	24.52	RT	11.6
OLD WILLOW RD	135+50.95	21.60	LT	135+99.63	21.49	LT	48.7
OLD WILLOW RD	135+99.63	21.49	LT	136+01.63	21.50	LT	2.0
							692.0

2 SCHEDULE OF SIDEWALK REMOVAL							
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	44000600
							SIDEWALK REMOVAL
							SQ FT
OLD WILLOW RD	104+66.67	29.90	RT	104+82.95	30.12	RT	70.2
OLD WILLOW RD	105+23.01	30.27	RT	105+40.01	25.44	RT	68.8
OLD WILLOW RD	109+64.18	34.98	RT	109+96.08	40.07	RT	284.8
OLD WILLOW RD	109+65.89	38.57	LT	109+88.43	33.81	LT	185.0
OLD WILLOW RD	110+25.11	40.22	RT	110+37.56	39.78	RT	58.1
OLD WILLOW RD	115+45.36	34.42	LT	115+56.17	39.23	LT	45.0
OLD WILLOW RD	115+98.32	39.16	LT	116+14.74	39.10	LT	97.6
OLD WILLOW RD	117+61.84	34.69	LT	117+86.84	34.82	LT	204.3
OLD WILLOW RD	117+66.51	34.73	RT	117+88.77	39.40	RT	185.3
OLD WILLOW RD	118+18.05	39.32	RT	118+40.24	39.42	RT	101.7
OLD WILLOW RD	121+92.29	39.24	LT	122+14.98	39.15	LT	223.1
OLD WILLOW RD	122+07.23	34.45	RT	122+12.25	34.35	RT	64.8
OLD WILLOW RD	122+77.58	39.15	LT	122+97.70	38.81	LT	118.0
OLD WILLOW RD	126+22.50	28.94	LT	126+74.99	27.53	LT	284.4
OLD WILLOW RD	126+28.71	34.31	RT	126+49.97	38.95	RT	184.3
OLD WILLOW RD	126+86.04	38.55	RT	127+04.32	33.86	RT	86.0
OLD WILLOW RD	127+46.10	27.57	LT	127+78.07	27.56	LT	161.2
OLD WILLOW RD	131+33.02	21.58	LT	131+58.56	27.17	LT	120.8
OLD WILLOW RD	132+01.54	27.17	LT	132+30.50	27.02	LT	134.6
OLD WILLOW RD	135+33.91	21.67	LT	135+54.95	27.43	LT	122.1
							2800.1

3 SCHEDULE OF INLET FILTERS				
ROAD	STATION	OFFSET	RT/LT	28000510
				INLET FILTERS
				EACH
OLD WILLOW RD	100+50.68	25.41	RT	1
OLD WILLOW RD	100+54.02	4.33	LT	1
OLD WILLOW RD	100+54.11	23.03	LT	1
OLD WILLOW RD	102+85.04	19.94	LT	1
OLD WILLOW RD	103+01.05	20.32	RT	1
OLD WILLOW RD	103+10.44	20.40	RT	1
OLD WILLOW RD	103+12.58	19.93	LT	1
OLD WILLOW RD	103+40.53	19.83	LT	1
OLD WILLOW RD	104+40.77	19.81	LT	1
OLD WILLOW RD	108+14.88	19.75	LT	1
OLD WILLOW RD	108+15.43	19.86	RT	1
OLD WILLOW RD	109+85.25	22.66	RT	1
OLD WILLOW RD	110+33.17	24.48	RT	1
OLD WILLOW RD	110+34.02	19.81	LT	1
OLD WILLOW RD	112+00.30	20.38	RT	1
OLD WILLOW RD	112+09.27	19.87	LT	1
OLD WILLOW RD	113+75.77	19.68	LT	1
OLD WILLOW RD	113+76.02	19.81	RT	1
OLD WILLOW RD	115+21.16	19.86	RT	1
OLD WILLOW RD	115+31.01	20.65	LT	1
OLD WILLOW RD	117+70.80	19.87	LT	1
OLD WILLOW RD	117+79.86	24.24	RT	1
OLD WILLOW RD	118+31.84	21.49	RT	1
OLD WILLOW RD	120+00.22	20.20	RT	1
OLD WILLOW RD	120+02.32	19.83	LT	1
OLD WILLOW RD	121+81.61	20.00	LT	1
OLD WILLOW RD	121+85.83	19.67	RT	1
OLD WILLOW RD	122+20.61	55.90	LT	1
OLD WILLOW RD	122+71.77	56.88	LT	1
OLD WILLOW RD	123+89.20	20.08	LT	1
OLD WILLOW RD	123+91.36	20.25	RT	1
OLD WILLOW RD	126+25.85	19.89	LT	1
OLD WILLOW RD	126+29.48	20.06	RT	1
OLD WILLOW RD	127+92.14	19.86	RT	1
OLD WILLOW RD	127+92.28	19.92	LT	1
OLD WILLOW RD	127+99.13	4.67	RT	1
OLD WILLOW RD	127+99.41	19.94	LT	1
OLD WILLOW RD	128+00.87	19.83	RT	1
OLD WILLOW RD	131+48.73	20.03	LT	1
OLD WILLOW RD	132+00.05	19.66	RT	1
OLD WILLOW RD	133+35.81	19.67	RT	1
OLD WILLOW RD	133+36.06	19.95	LT	1
OLD WILLOW RD	133+45.00	19.70	RT	1
OLD WILLOW RD	133+46.68	19.94	LT	1
				44

4 SCHEDULE OF DRAINAGE ITEMS											
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	550A0050	60219530	60237460	60500060	20800150
							STORM SEWERS, CLASS A, TYPE 1 12"	MANHOLES, TYPE A, 4'- DIAMETER, TYPE 23 FRAME AND GRATE	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	REMOVING INLETS	TRENCH BACKFILL
							FT	EACH	EACH	EACH	CU YD
OLD WILLOW RD	133+46.68	19.94	LT					1.0			
OLD WILLOW RD	133+46.68	19.94	LT						1.0		
OLD WILLOW RD	133+47.68	19.95	LT	135+98.63	20.42	LT	251.0				43.4
OLD WILLOW RD	135+99.63	19.93	LT								
							251.0	1.0	1.0	1.0	43.4

5 SCHEDULE OF ADJUSTMENT ITEMS									
ROAD	STATION	OFFSET	RT/LT	DESCRIPTION	X6030310	Z0017400			
					FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED			
					EACH	EACH			
OLD WILLOW RD	100+51.17	9.56	LT	SANITARY	1				
OLD WILLOW RD	100+54.02	4.33	LT	OL		1			
OLD WILLOW RD	100+75.23	14.82	RT	CL		1			
OLD WILLOW RD	103+20.12	16.68	RT	CL		1			
OLD WILLOW RD	103+51.70	10.97	LT	SANITARY	1				
OLD WILLOW RD	104+82.52	12.91	RT	CL		1			
OLD WILLOW RD	104+82.81	17.80	LT	CL		1			
OLD WILLOW RD	105+94.25	18.17	RT	CL		1			
OLD WILLOW RD	106+76.14	10.45	LT	SANITARY	1				
OLD WILLOW RD	106+99.26	13.96	RT	CL		1			
OLD WILLOW RD	107+33.75	13.32	RT	CL		1			
OLD WILLOW RD	107+45.10	5.28	RT	CL		1			
OLD WILLOW RD	107+46.43	9.39	LT	SANITARY	1				
OLD WILLOW RD	108+18.09	17.11	RT	CL		1			
OLD WILLOW RD	110+34.53	17.21	RT	CL		1			
OLD WILLOW RD	112+09.82	16.51	RT	CL		1			
OLD WILLOW RD	113+23.07	5.44	RT	CL		1			
OLD WILLOW RD	113+82.71	16.32	RT	CL		1			
OLD WILLOW RD	115+20.90	5.79	RT	CL		1			
OLD WILLOW RD	115+32.44	15.76	RT	CL		1			
OLD WILLOW RD	117+70.80	19.87	LT	CURB INLET		1			
OLD WILLOW RD	117+72.85	30.85	RT	VALVE VAULT	1				
OLD WILLOW RD	117+79.86	24.24	RT	CURB INLET		1			
OLD WILLOW RD	118+01.59	16.43	RT	CL		1			
OLD WILLOW RD	118+25.64	8.14	RT	CL		1			
OLD WILLOW RD	120+41.17	15.52	RT	CL		1			
OLD WILLOW RD	122+00.48	14.92	RT	CL		1			
OLD WILLOW RD	122+69.89	28.57	LT	SANITARY	1				
OLD WILLOW RD	123+90.99	14.46	RT	CL		1			
OLD WILLOW RD	126+29.48	20.06	RT	CURB INLET		1			
OLD WILLOW RD	126+31.48	18.06	RT	CL		1			
OLD WILLOW RD	126+55.57	36.96	RT	VALVE VAULT	1				
OLD WILLOW RD	126+62.04	38.50	RT	VALVE VAULT	1				
OLD WILLOW RD	126+87.59	7.16	RT	CL		1			
OLD WILLOW RD	126+91.22	33.65	RT	CL		1			
OLD WILLOW RD	127+99.13	4.67	RT	CL		1			
OLD WILLOW RD	130+52.24	4.20	RT	CL		1			
OLD WILLOW RD	131+48.73	20.03	LT	CURB INLET		1			
OLD WILLOW RD	131+82.91	5.57	RT	CL		1			
OLD WILLOW RD	133+48.68	5.63	RT	CL		1			
					8	32			



FILE NAME = 4755.067-sht-schedule 1.dgn
 USER NAME = dolasak
 DESIGNED - MGFC
 DRAWN - GHA
 CHECKED - KLB
 DATE - 2/5/2021

DESIGNED - MGFC
 DRAWN - GHA
 CHECKED - KLB
 DATE - 2/5/2021

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H01	

6		SCHEDULE OF SIDEWALK RELATED ITEMS										
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	DESCRIPTION	31101200	42400200	42400800		
								SUBBASE GRANULAR MATERIAL, TYPE B 4"	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS		
								SQ YD	SQ FT	SQ FT		
OLD WILLOW RD	104+66.67	29.90	RT	104+82.84	29.97	RT	SIDEWALK	7.6	68.3			
OLD WILLOW RD	104+75.19	26.08	RT	104+82.82	29.97	RT	DETECTABLE WARNINGS			15.1		
OLD WILLOW RD	105+23.12	30.14	RT	105+40.01	25.22	RT	SIDEWALK	7.8	70.2			
OLD WILLOW RD	105+23.21	30.14	RT	105+31.38	25.18	RT	DETECTABLE WARNINGS			15.9		
OLD WILLOW RD	109+64.18	34.98	RT	109+96.06	39.96	RT	SIDEWALK	31.9	286.9			
OLD WILLOW RD	109+65.89	38.57	LT	109+88.43	33.68	LT	SIDEWALK	20.6	185.8			
OLD WILLOW RD	109+73.90	23.40	LT	109+79.90	21.41	LT	DETECTABLE WARNINGS			12.0		
OLD WILLOW RD	109+74.18	22.04	RT	109+79.18	24.04	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	109+92.48	34.96	RT	109+94.48	39.96	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	110+25.15	40.06	RT	110+41.91	39.87	RT	SIDEWALK	8.8	79.6			
OLD WILLOW RD	110+26.90	35.04	RT	110+28.95	40.02	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	115+45.36	34.42	LT	115+56.24	39.34	LT	SIDEWALK	5.0	45.4			
OLD WILLOW RD	115+50.47	34.38	LT	115+52.50	39.37	LT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	115+98.32	39.16	LT	116+14.74	39.10	LT	SIDEWALK	10.8	97.6			
OLD WILLOW RD	116+02.33	34.14	LT	116+04.35	39.14	LT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	117+61.84	34.54	LT	117+86.84	34.53	LT	SIDEWALK	21.2	190.5			
OLD WILLOW RD	117+66.51	34.53	RT	117+88.75	39.32	RT	SIDEWALK	20.9	187.8			
OLD WILLOW RD	117+71.80	24.23	RT	117+76.80	26.23	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	117+71.80	23.43	LT	117+76.80	21.43	LT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	117+84.80	39.32	RT	117+86.80	34.32	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	118+18.05	39.32	RT	118+40.24	39.32	RT	SIDEWALK	11.9	106.9			
OLD WILLOW RD	118+19.91	39.32	RT	118+21.91	34.32	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	121+92.29	39.24	LT	122+15.02	39.23	LT	SIDEWALK	24.3	219.1			
OLD WILLOW RD	122+07.22	21.25	RT	122+12.22	34.46	RT	SIDEWALK	7.3	66.1			
OLD WILLOW RD	122+07.22	23.25	RT	122+12.22	23.24	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	122+07.22	29.26	LT	122+15.03	39.23	LT	DETECTABLE WARNINGS			22.0		
OLD WILLOW RD	122+77.71	38.92	LT	122+97.70	38.81	LT	SIDEWALK	12.8	115.5			
OLD WILLOW RD	122+81.12	33.90	LT	122+83.14	38.89	LT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	126+22.50	28.94	LT	126+75.00	27.54	LT	SIDEWALK	30.8	278.9			
OLD WILLOW RD	126+26.71	34.00	RT	126+49.95	38.88	RT	SIDEWALK	21.3	191.8			
OLD WILLOW RD	126+31.83	23.85	RT	126+36.83	25.85	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	126+31.87	23.52	LT	126+36.87	21.52	LT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	126+45.86	33.90	RT	126+47.89	38.89	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	126+62.29	23.52	LT	126+75.00	27.54	LT	DETECTABLE WARNINGS			25.4		
OLD WILLOW RD	126+86.03	38.69	RT	127+04.32	33.71	RT	SIDEWALK	10.0	89.7			
OLD WILLOW RD	126+86.86	38.69	RT	126+88.87	33.70	RT	DETECTABLE WARNINGS			10.1		
OLD WILLOW RD	127+45.89	27.79	LT	127+78.07	27.73	LT	SIDEWALK	18.5	166.3			
OLD WILLOW RD	127+45.89	27.79	LT	127+59.62	23.77	LT	DETECTABLE WARNINGS			27.1		
OLD WILLOW RD	131+33.02	21.58	LT	131+58.79	27.47	LT	SIDEWALK	14.6	131.8			
OLD WILLOW RD	131+47.16	21.49	LT	131+58.79	27.47	LT	DETECTABLE WARNINGS			23.6		
OLD WILLOW RD	132+01.09	27.79	LT	132+30.50	27.78	LT	SIDEWALK	17.4	156.5			
OLD WILLOW RD	132+01.09	27.79	LT	132+11.46	23.82	LT	DETECTABLE WARNINGS			21.5		
OLD WILLOW RD	135+33.91	21.67	LT	135+54.95	27.62	LT	SIDEWALK	14.0	126.0			
OLD WILLOW RD	135+41.95	21.46	RT	135+46.95	22.71	RT	SIDEWALK	6.3	56.5			
OLD WILLOW RD	135+41.95	22.71	RT	135+46.95	24.71	RT	DETECTABLE WARNINGS			10.0		
OLD WILLOW RD	135+41.95	21.65	LT	135+46.96	23.62	LT	DETECTABLE WARNINGS			10.0		
TOTAL								323.9	2915.2	332.7		

8		SCHEDULE OF BUTT JOINT REMOVAL						
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	40600982	
							HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	
							SQ YD	
OLD WILLOW RD	100+40.96	32.41	RT	100+51.42	25.02	RT	29.4	
OLD WILLOW RD	104+88.30	37.02	RT	105+17.95	36.70	RT	14.4	
OLD WILLOW RD	109+97.50	39.15	RT	110+23.70	39.36	RT	12.7	
OLD WILLOW RD	115+55.54	35.58	LT	115+98.99	35.59	LT	20.2	
OLD WILLOW RD	117+90.14	38.43	RT	118+16.73	38.14	RT	12.8	
OLD WILLOW RD	122+14.82	35.70	LT	122+77.81	35.72	LT	30.2	
OLD WILLOW RD	126+51.59	38.88	RT	126+84.45	38.64	RT	16.2	
OLD WILLOW RD	126+73.24	23.79	LT	127+48.28	23.80	LT	35.0	
OLD WILLOW RD	131+57.52	23.87	LT	132+02.45	23.88	LT	20.5	
OLD WILLOW RD	135+31.82	20.09	LT	135+36.32	19.75	RT	20.0	
TOTAL							211.4	

7		SCHEDULE OF COMBINATION CURB AND GUTTER										
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	DESCRIPTION	60603800				
								COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12				
								FT				
OLD WILLOW RD	104+73.66	23.12	RT	104+77.22	24.95	RT	B-6.12	4.0				
OLD WILLOW RD	104+77.22	24.95	RT	104+82.84	29.97	RT	DEPRESSED B-6.12	7.6				
OLD WILLOW RD	104+82.84	29.97	RT	104+85.04	33.31	RT	B-6.12	4.0				
OLD WILLOW RD	105+20.88	33.46	RT	105+23.12	30.14	RT	B-6.12	4.0				
OLD WILLOW RD	105+23.12	30.14	RT	105+29.50	25.17	RT	DEPRESSED B-6.12	8.1				
OLD WILLOW RD	105+29.50	25.17	RT	105+33.15	23.53	RT	B-6.12	4.0				
OLD WILLOW RD	109+69.91	21.39	LT	109+73.90	21.40	LT	B-6.12	4.0				
OLD WILLOW RD	109+70.18	21.42	RT	109+74.18	21.43	RT	B-6.12	4.0				
OLD WILLOW RD	109+73.90	21.40	LT	109+79.90	21.41	LT	DEPRESSED B-6.12	6.0				
OLD WILLOW RD	109+74.18	21.43	RT	109+79.18	22.04	RT	DEPRESSED B-6.12	5.1				
OLD WILLOW RD	109+79.18	22.04	RT	109+82.97	23.31	RT	B-6.12	4.0				
OLD WILLOW RD	109+79.90	21.41	LT	109+83.91	21.42	LT	B-6.12	4.0				
OLD WILLOW RD	109+82.97	23.31	RT	109+92.62	31.44	RT	B-6.13	12.8				
OLD WILLOW RD	109+92.62	31.44	RT	109+94.52	34.96	RT	B-6.12	4.0				
OLD WILLOW RD	109+94.52	34.96	RT	109+96.06	39.96	RT	DEPRESSED B-6.12	5.1				
OLD WILLOW RD	109+96.06	39.96	RT	109+96.61	43.78	RT	B-6.12	4.0				
OLD WILLOW RD	110+24.40	44.05	RT	110+25.15	40.07	RT	B-6.12	4.0				
OLD WILLOW RD	110+25.15	40.07	RT	110+26.89	35.04	RT	DEPRESSED B-6.12	5.3				
OLD WILLOW RD	110+26.89	35.04	RT	110+28.77	31.51	RT	B-6.12	4.1				
OLD WILLOW RD	115+49.66	31.53	LT	115+52.48	34.37	LT	B-6.12	4.0				
OLD WILLOW RD	115+56.24	39.34	LT	115+56.70	40.09	LT	B-6.12	0.9				
OLD WILLOW RD	115+97.71	40.09	LT	115+98.32	39.16	LT	B-6.12	1.1				
OLD WILLOW RD	115+98.32	39.16	LT	116+02.33	34.14	LT	DEPRESSED B-6.12	6.4				
OLD WILLOW RD	116+02.33	34.14	LT	116+05.21	31.37	LT	B-6.12	4.0				
OLD WILLOW RD	117+67.79	21.43	LT	117+71.80	21.43	LT	B-6.12	4.0				
OLD WILLOW RD	117+67.87	21.49	RT	117+71.80	22.23	RT	B-6.12	4.0				
OLD WILLOW RD	117+71.80	21.43	LT	117+76.80	21.43	LT	DEPRESSED B-6.12	5.0				
OLD WILLOW RD	117+71.80	22.23	RT	117+76.80	24.23	RT	DEPRESSED B-6.12	5.4				
OLD WILLOW RD	117+76.80	21.43	LT	117+80.79	21.43	LT	B-6.12	4.0				
OLD WILLOW RD	117+76.80	24.23	RT	117+80.15	26.40	RT	B-6.12	4.0				
OLD WILLOW RD	117+80.15	26.40	RT	117+84.65	30.94	RT	B-6.14	6.4				
OLD WILLOW RD	117+84.65	30.94	RT	117+86.80	34.32	RT	B-6.12	4.0				
OLD WILLOW RD	117+86.80	34.32	RT	117+88.75	39.32	RT	DEPRESSED B-6.12	5.4				
OLD WILLOW RD	117+88.75	39.32	RT	117+89.44	43.09	RT	B-6.12	3.8				
OLD WILLOW RD	118+17.43	42.85	RT	118+18.05	39.32	RT	B-6.12	3.6				
OLD WILLOW RD	118+18.05	39.32	RT	118+19.91	34.32	RT	DEPRESSED B-6.12	5.3				
OLD WILLOW RD	118+19.91	34.32	RT	118+22.01	30.91	RT	B-6.12	4.0				
OLD WILLOW RD	122+03.21	21.25	RT	122+07.22	21.25	RT	B-6.12	4.0				
OLD WILLOW RD	122+04.03	26.77	LT	122+07.22	29.19	LT	B-6.12	4.0				
OLD WILLOW RD	122+07.22	21.25	RT	122+12.22	21.24	RT	DEPRESSED B-6.12	5.0				
OLD WILLOW RD	122+07.22	29.19	LT	122+15.02	39.23	LT	DEPRESSED B-6.12	12.8				
OLD WILLOW RD	122+12.22	21.24	RT	122+16.21	21.24	RT	B-6.12	4.0				
OLD WILLOW RD	122+15.02	39.23	LT	122+15.51	40.20	LT	B-6.12	1.1				
OLD WILLOW RD	122+77.02	40.22	LT	122+77.71	38.92	LT	B-6.12	1.4				
OLD WILLOW RD	122+77.71	38.92	LT	122+81.12	33.90	LT	DEPRESSED B-6.12	6.1				
OLD WILLOW RD	122+81.12	33.90	LT	122+83.83	30.96	LT	B-6.12	4.0				
OLD WILLOW RD	126+27.87	21.52	LT	126+31.87	21.52	LT	B-6.12	4.0				
OLD WILLOW RD	126+27.88	21.46	RT	126+31.83	22.12	RT	B-6.12	4.0				
OLD WILLOW RD	126+31.83	22.12	RT	126+36.83	23.84	RT	DEPRESSED B-6.12	5.3				
OLD WILLOW RD	126+31.87	21.52	LT	126+36.87	21.52	LT	DEPRESSED B-6.12	5.0				
OLD WILLOW RD	126+36.83	23.84	RT	126+40.33	25.77	RT	B-6.12	4.0				
OLD WILLOW RD	126+36.87	21.52	LT	126+43.74	21.51	LT	B-6.12	6.9				
OLD WILLOW RD	126+40.33	25.77	RT	126+45.62	30.58	RT	B-6.15	7.2				
OLD WILLOW RD	126+43.74	21.51	LT	126+56.30	21.51	LT	B-6.12	12.6				
OLD WILLOW RD	126+45.62	30.58	RT	126+47.86	33.89							

9 SCHEDULE OF PAVEMENT PATCHING								
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	44201747	X1700065
							CLASS D PATCHES, TYPE IV, 8 INCH	CLASS D PATCHES, TYPE IV, 10 INCH (SPECIAL)
							SQ YD	SQ YD
OLD WILLOW RD	133+44.67	15.94	LT	135+36.32	20.10	LT	85.2	29.1
OLD WILLOW RD	135+36.32	16.10	LT	136+01.65	15.92	LT		
							85.2	29.1

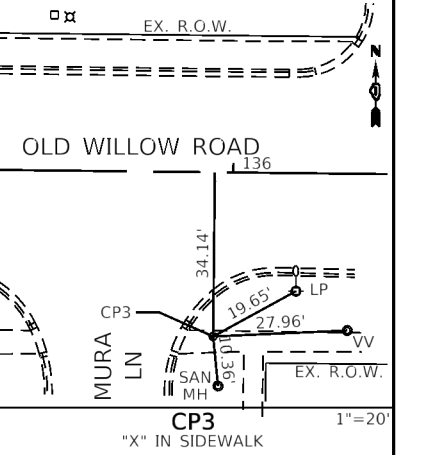
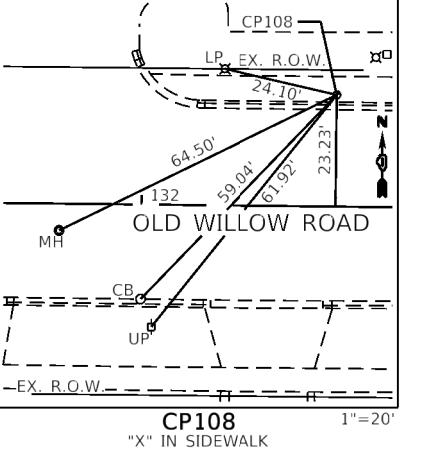
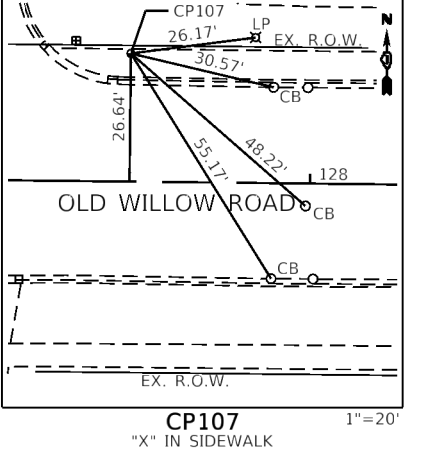
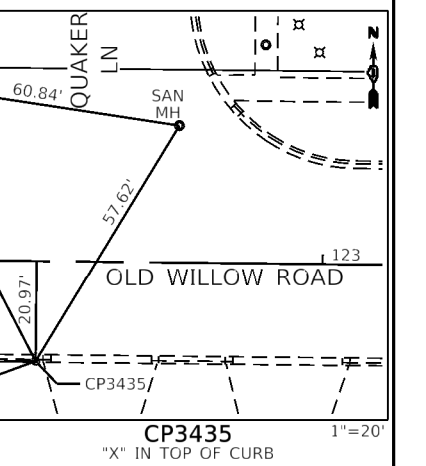
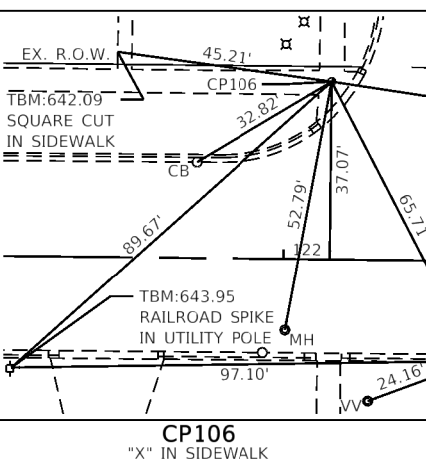
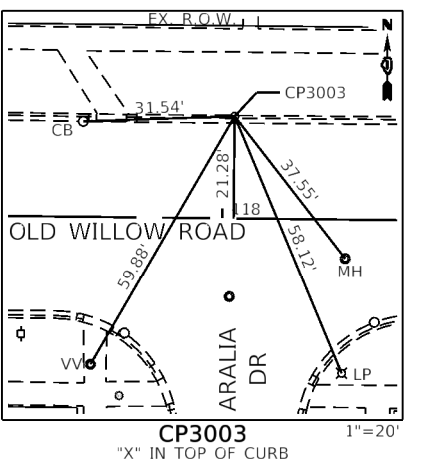
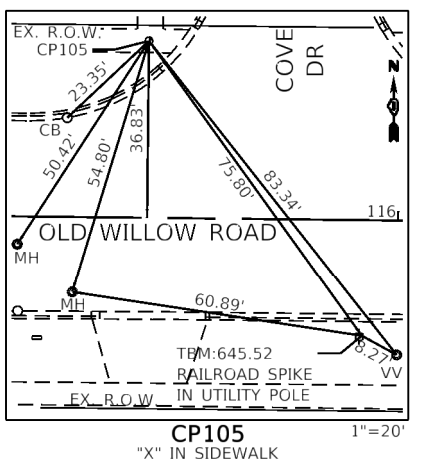
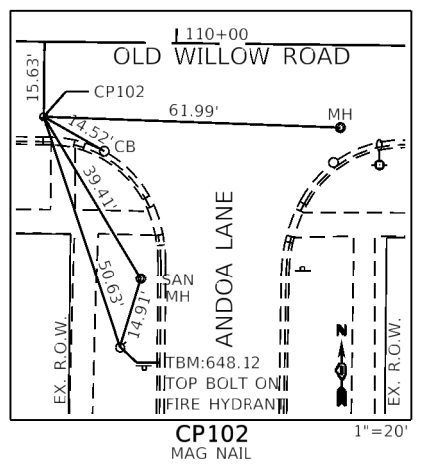
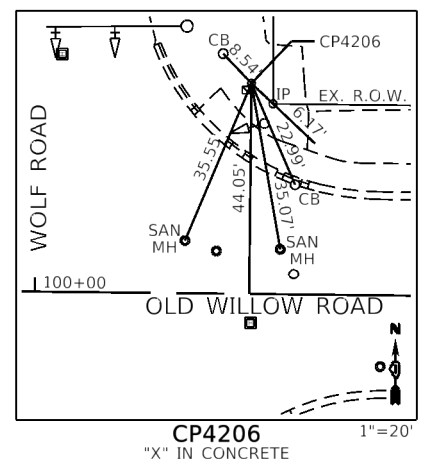
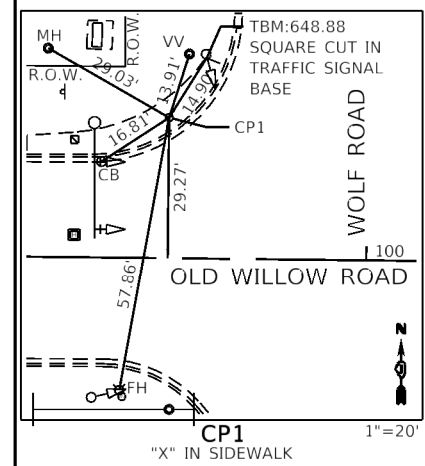
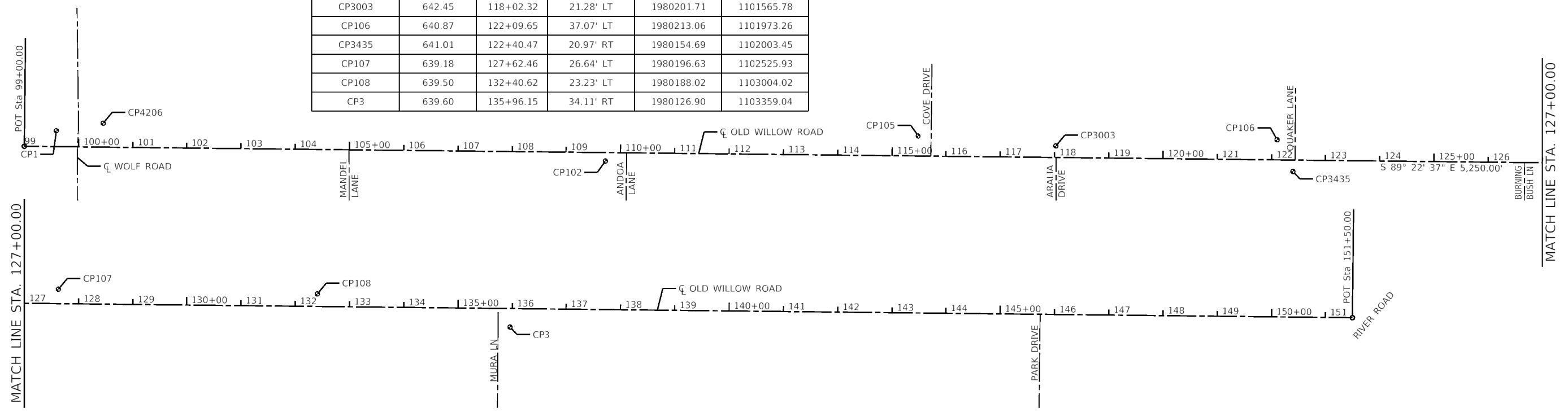
11 SCHEDULE OF RESTORATION ITEMS								
ROAD	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	21101600	25200110
							TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SODDING, SALT TOLERANT
							SQ YD	SQ YD
OLD WILLOW RD	104+66.66	31.90	RT	104+85.04	33.31	RT	4.2	4.2
OLD WILLOW RD	104+66.69	24.90	RT	104+77.22	24.95	RT	1.9	1.9
OLD WILLOW RD	105+20.88	33.46	RT	105+39.99	30.22	RT	4.4	4.4
OLD WILLOW RD	105+29.50	25.17	RT	105+40.02	23.22	RT	1.9	1.9
OLD WILLOW RD	109+64.18	32.97	RT	109+74.18	21.43	RT	5.2	5.2
OLD WILLOW RD	109+65.89	39.98	LT	109+88.40	38.68	LT	3.4	3.4
OLD WILLOW RD	109+65.92	33.57	LT	109+73.90	21.40	LT	4.5	4.5
OLD WILLOW RD	109+79.18	34.97	RT	109+94.52	34.96	RT	14.6	14.6
OLD WILLOW RD	109+79.88	33.64	LT	109+88.44	31.68	LT	4.6	4.6
OLD WILLOW RD	109+83.96	52.88	RT	109+96.61	43.78	RT	5.5	5.5
OLD WILLOW RD	110+24.40	44.05	RT	110+37.56	39.92	RT	3.3	3.3
OLD WILLOW RD	110+26.89	35.04	RT	110+37.46	34.92	RT	2.5	2.5
OLD WILLOW RD	115+45.35	32.42	LT	115+52.48	34.37	LT	1.5	1.5
OLD WILLOW RD	115+50.75	40.08	LT	115+56.70	40.09	LT	0.5	0.5
OLD WILLOW RD	115+97.71	40.09	LT	116+04.74	39.14	LT	0.7	0.7
OLD WILLOW RD	116+02.33	34.14	LT	116+14.72	34.10	LT	2.6	2.6
OLD WILLOW RD	116+09.74	40.09	LT	116+14.74	40.10	LT	0.6	0.6
OLD WILLOW RD	117+61.84	39.54	LT	117+86.84	39.53	LT	1.6	1.6
OLD WILLOW RD	117+61.84	32.54	LT	117+71.80	21.43	LT	6.0	6.0
OLD WILLOW RD	117+66.51	32.53	RT	117+71.80	22.23	RT	4.1	4.1
OLD WILLOW RD	117+66.51	39.88	RT	117+71.51	39.53	RT	0.8	0.8
OLD WILLOW RD	117+76.51	44.32	RT	117+89.44	43.09	RT	3.9	3.9
OLD WILLOW RD	117+76.80	21.43	LT	117+86.84	34.53	LT	5.1	5.1
OLD WILLOW RD	117+76.80	34.32	RT	117+86.80	34.32	RT	6.7	6.7
OLD WILLOW RD	118+17.43	42.85	RT	118+30.19	41.32	RT	3.1	3.1
OLD WILLOW RD	118+19.91	34.32	RT	118+40.24	34.32	RT	4.6	4.6
OLD WILLOW RD	118+35.26	39.32	RT	118+40.24	39.86	RT	0.4	0.4
OLD WILLOW RD	121+92.29	34.24	LT	122+07.22	29.19	LT	4.9	4.9
OLD WILLOW RD	122+03.21	21.25	RT	122+07.22	21.25	RT	3.4	3.4
OLD WILLOW RD	122+05.26	59.24	LT	122+07.28	46.28	LT	2.9	2.9
OLD WILLOW RD	122+12.22	21.24	RT	122+16.21	23.24	RT	3.4	3.4
OLD WILLOW RD	122+12.26	59.24	LT	122+15.51	40.20	LT	4.6	4.6
OLD WILLOW RD	122+77.02	40.22	LT	122+85.51	38.88	LT	1.2	1.2
OLD WILLOW RD	122+81.12	33.90	LT	122+97.68	33.82	LT	3.6	3.6
OLD WILLOW RD	126+21.80	27.07	LT	126+31.87	21.52	LT	3.2	3.2
OLD WILLOW RD	126+23.79	32.73	LT	126+77.56	31.29	LT	12.0	12.0
OLD WILLOW RD	126+26.70	32.00	RT	126+31.84	33.97	RT	3.9	3.9
OLD WILLOW RD	126+36.83	23.85	RT	126+47.66	33.89	RT	7.5	7.5
OLD WILLOW RD	126+36.85	38.95	RT	126+50.79	43.50	RT	4.2	4.2
OLD WILLOW RD	126+85.85	43.11	RT	126+99.32	40.71	RT	3.5	3.5
OLD WILLOW RD	126+86.87	33.69	RT	127+04.32	31.71	RT	3.9	3.9
OLD WILLOW RD	135+33.95	27.65	LT	135+54.95	28.45	LT	1.9	1.9
OLD WILLOW RD	135+37.95	21.32	RT	135+41.95	21.46	RT	5.3	5.3
OLD WILLOW RD	135+46.95	33.28	RT	135+50.95	24.80	RT	4.3	4.3
							171.9	171.9

10 SCHEDULE OF SIGN ITEMS								
ROAD	STATION	OFFSET	RT/LT	DESCRIPTION	72000100	72900100	Z0051500	REMOVING AND RESETTING STREET SIGNS
					SIGN PANEL - TYPE 1	METAL POST - TYPE A		
					SQ FT	FT	EACH	
OLD WILLOW RD	101+00.05	22.68	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	102+79.35	22.97	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	105+58.57	23.47	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	108+51.96	23.04	RT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	109+64.18	22.84	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	109+72.37	22.98	RT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	109+81.43	22.96	LT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	110+42.74	24.90	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	111+01.05	22.89	LT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	115+14.72	22.97	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	116+71.34	22.92	RT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	117+69.76	23.22	RT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	117+78.83	22.97	LT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	118+49.55	22.79	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	118+77.25	23.16	LT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	121+10.95	22.82	RT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	121+77.77	23.03	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	122+05.18	22.80	RT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	122+05.87	30.08	LT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	123+12.67	23.17	LT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	123+15.86	22.61	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	126+09.25	23.27	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	127+80.90	22.82	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	131+44.33	26.95	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	132+09.49	22.71	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	134+41.50	22.92	RT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	135+30.44	23.11	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	135+39.91	22.88	RT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	135+48.98	29.26	LT	W11-2 & W16-7P	11.0	16.0		
OLD WILLOW RD	136+13.29	24.53	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	136+64.90	30.11	LT	W11-2 & W16-9P	11.0	16.0		
OLD WILLOW RD	137+42.07	23.02	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	141+29.85	24.51	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	142+72.31	17.03	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	144+90.84	23.39	RT	W11-2 & W16-9P	11.00	16.0		
OLD WILLOW RD	145+34.22	23.48	LT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	145+94.36	27.50	RT	W11-2 & W16-7P	11.00	16.0		
OLD WILLOW RD	146+08.00	23.50	LT	W11-2 & W16-7P	11.00	16.0		
OLD WILLOW RD	146+70.14	22.87	RT	R2-1		13.0	1	
OLD WILLOW RD	147+46.80	23.17	LT	W11-2 & W16-9P	11.00	16.0		
OLD WILLOW RD	147+46.87	22.86	RT	W11-1 & W16-1P	9.25	16.0		
OLD WILLOW RD	147+66.80	23.20	LT	W11-1 & W16-1P	9.25	16.0		
					414.3	637.0	1	

BENCHMARK:
 ELEVATIONS SHOWN HEREON ARE OBTAINED VIA GPS USING
 TRIMBLE VRSNOW™ (NO PUBLISHED MONUMENT VERIFIED)
 DATUM: NAVD88

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP1	648.50	99+58.66	29.27' LT	1980229.74	1099722.32
CP4206	648.46	100+44.80	44.05' LT	1980243.58	1099808.61
CP102	645.20	109+72.56	15.63' RT	1980173.82	1100735.67
CP105	642.83	115+47.84	36.83' LT	1980220.02	1101311.49
CP3003	642.45	118+02.32	21.28' LT	1980201.71	1101565.78
CP106	640.87	122+09.65	37.07' LT	1980213.06	1101973.26
CP3435	641.01	122+40.47	20.97' RT	1980154.69	1102003.45
CP107	639.18	127+62.46	26.64' LT	1980196.63	1102525.93
CP108	639.50	132+40.62	23.23' LT	1980188.02	1103004.02
CP3	639.60	135+96.15	34.11' RT	1980126.90	1103359.04

OLD WILLOW ROAD COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	99+00.00	1980201.11	1099663.34
POT	151+50.00	1980144.03	1104913.03



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 4755.067-ah-ATB.dgn

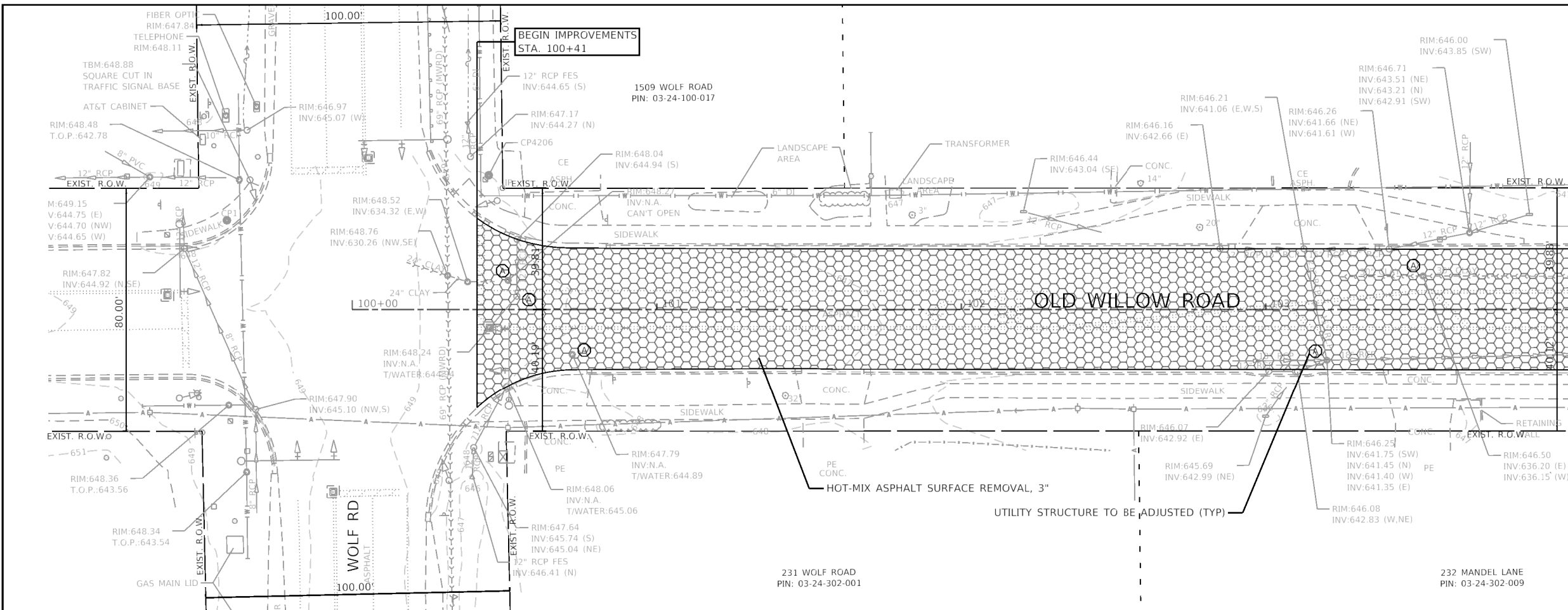
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Default		CHECKED - KLB	REVISED -
		DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

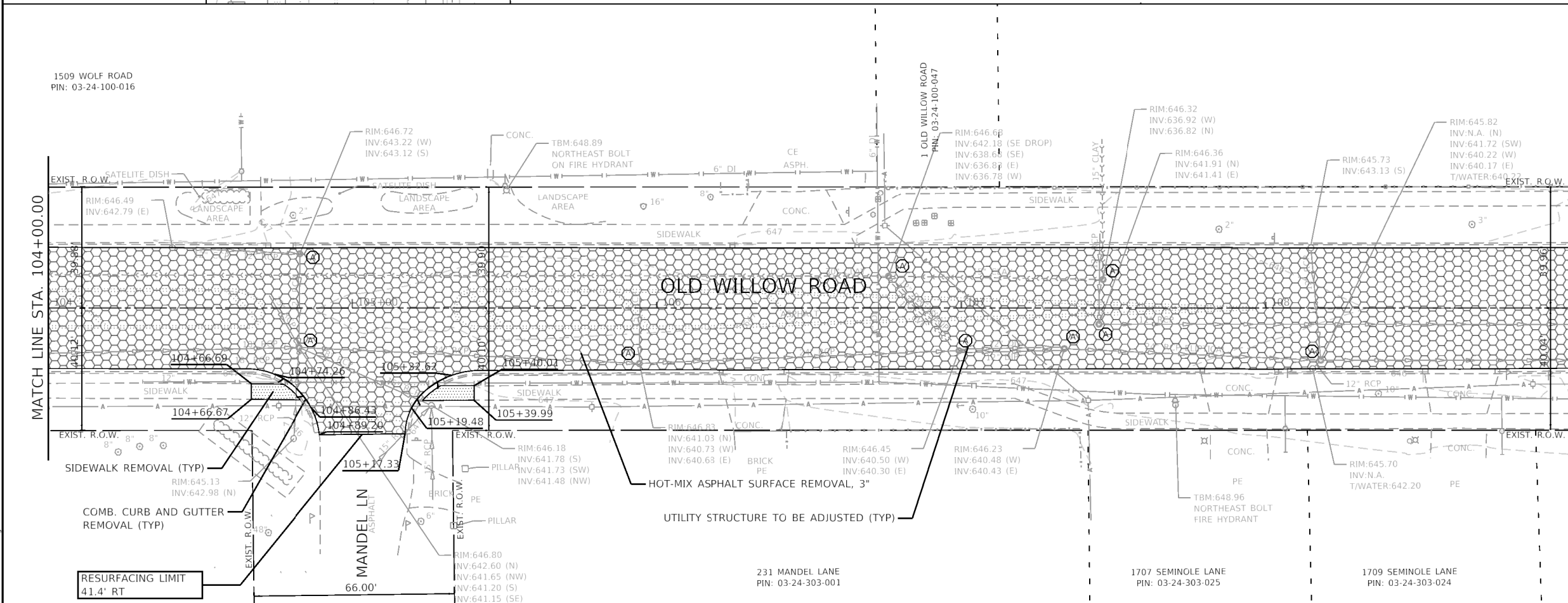
SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	14
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- SIDEWALK REMOVAL
- CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)
- COMBINATION CURB AND GUTTER REMOVAL
- PAVEMENT MARKING REMOVAL
- WATER BLASTING
- UTILITY STRUCTURE TO BE ADJUSTED
- SAWCUT



GHA GEWALT HAMILTON ASSOCIATES, INC.

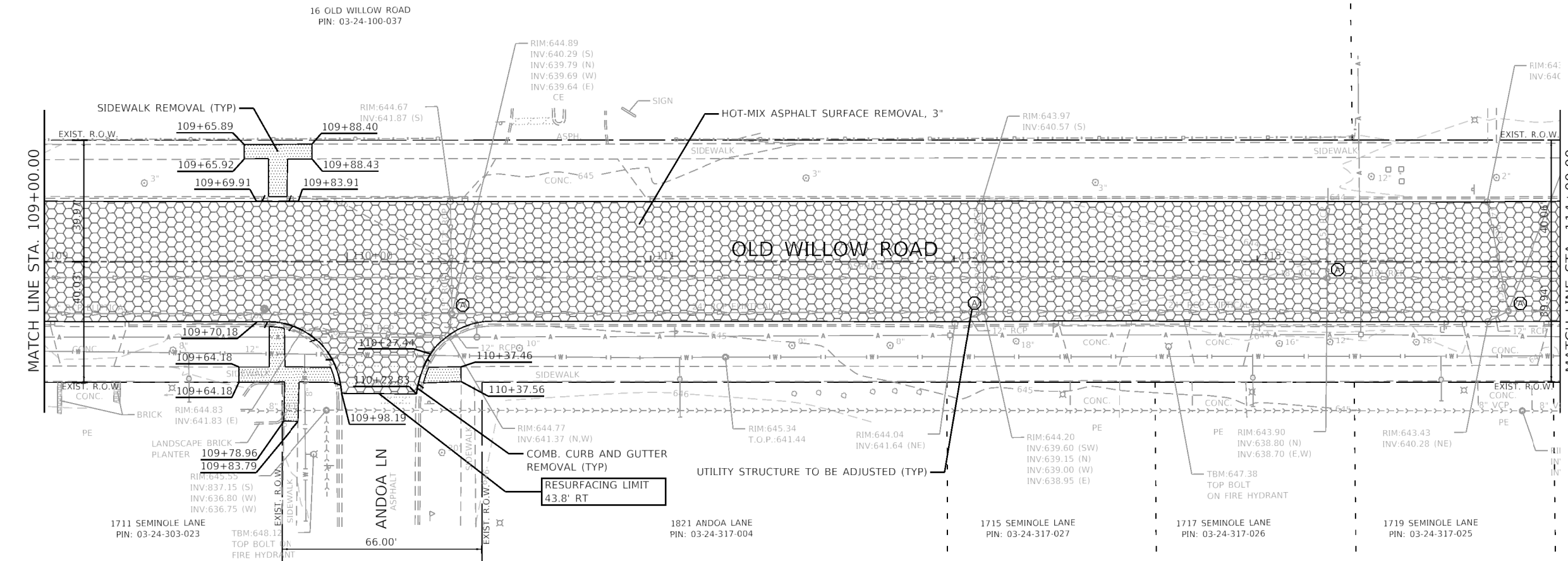
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Default	PLOT DATE = 2/5/2021	CHECKED - KLB	REVISED -
		DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

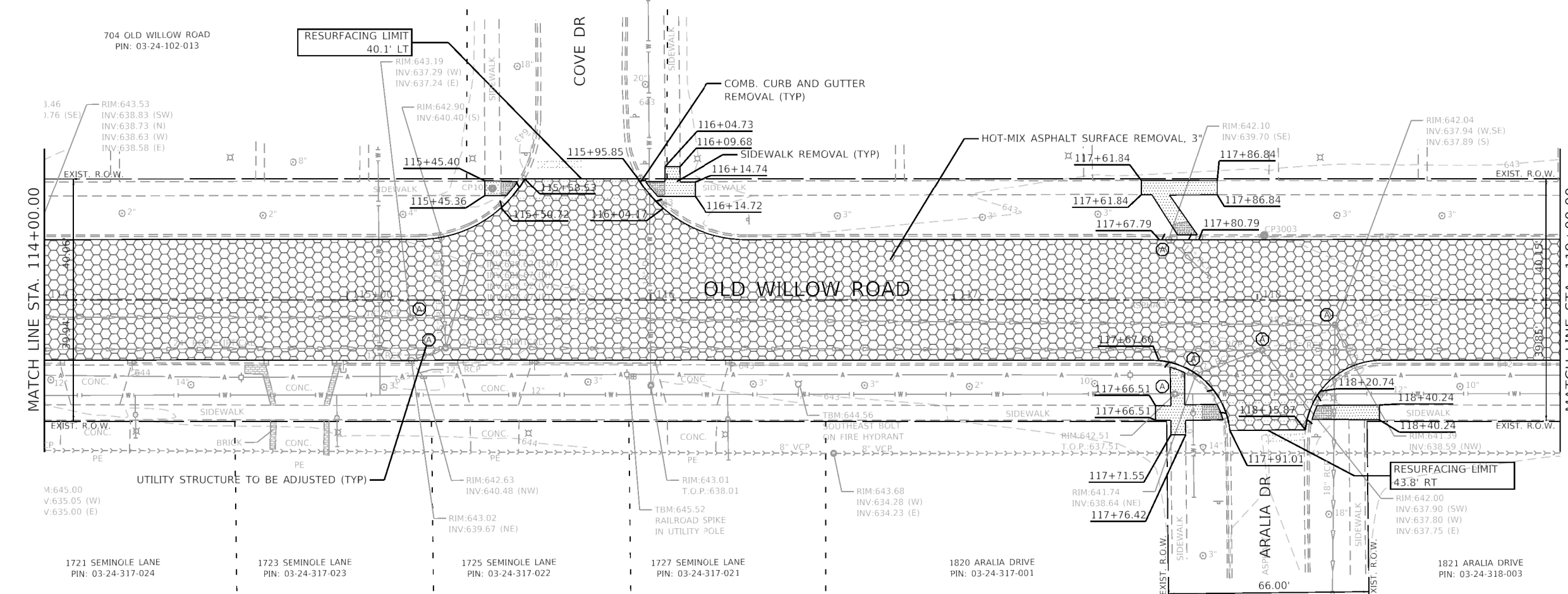
F.A.U. RTE. 1662	SECTION 18-00053-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 15
SCALE: 1"=20'			SHEET 1 OF 6 SHEETS STA. TO STA.	
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61H01



LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	SIDEWALK REMOVAL
	CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)
	COMBINATION CURB AND GUTTER REMOVAL
	PAVEMENT MARKING REMOVAL WATER BLASTING
	UTILITY STRUCTURE TO BE ADJUSTED
	SAWCUT



GHA GEWALT HAMILTON ASSOCIATES, INC.

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 DRAWN - GHA
 CHECKED - KLB
 DATE - 2/5/2021

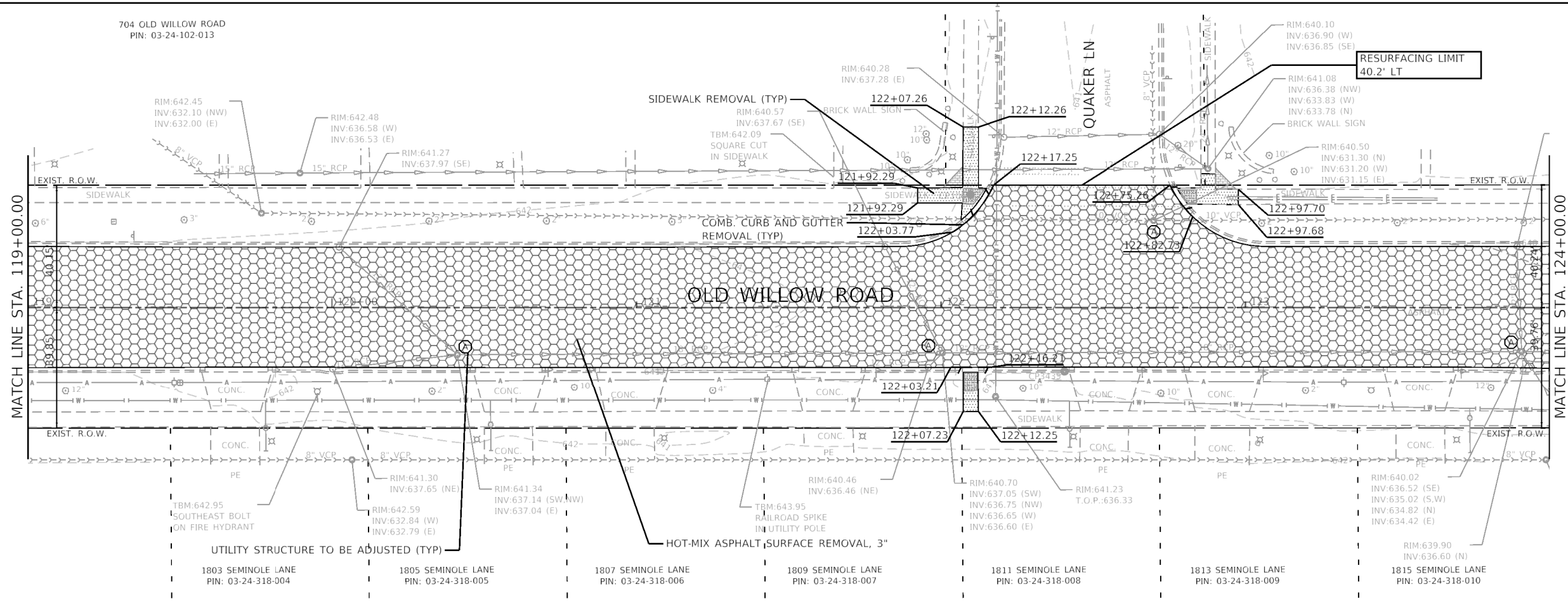
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
 SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

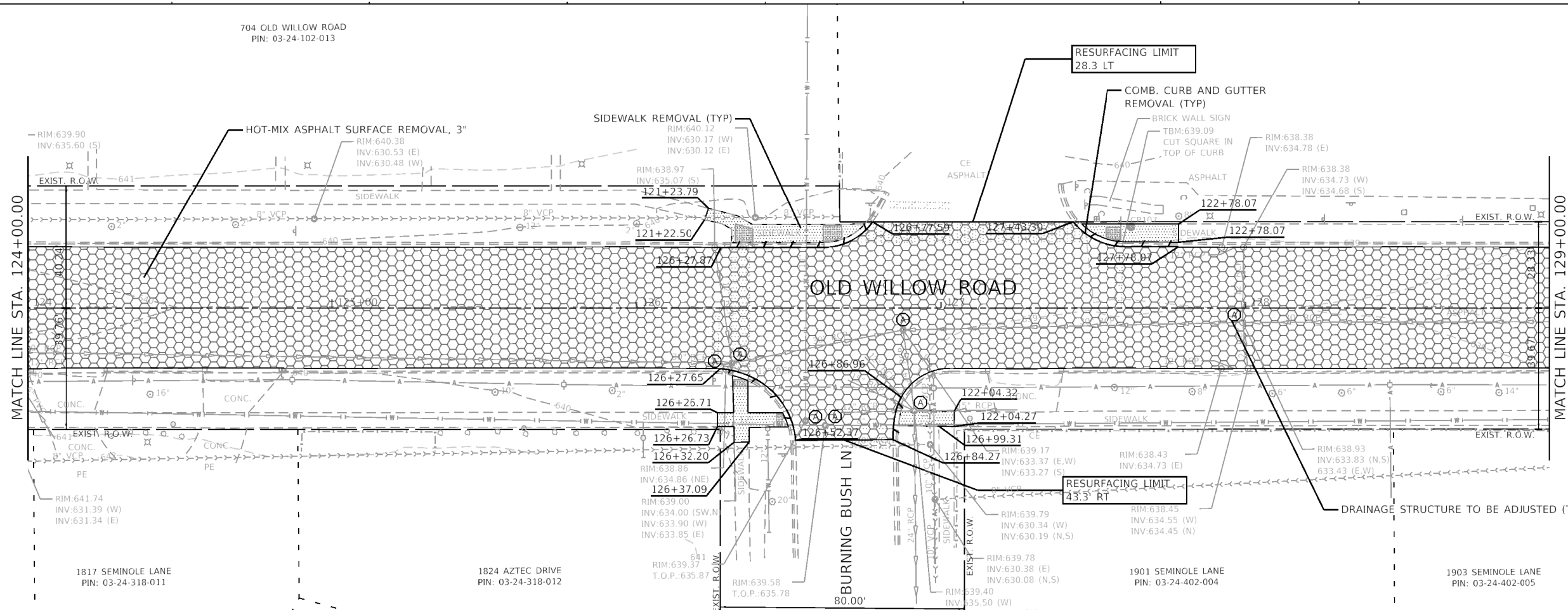
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	16
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				

704 OLD WILLOW ROAD
PIN: 03-24-102-013



- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - SIDEWALK REMOVAL
 - CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)
 - COMBINATION CURB AND GUTTER REMOVAL
 - PAVEMENT MARKING REMOVAL
 - WATER BLASTING
 - UTILITY STRUCTURE TO BE ADJUSTED
 - SAWCUT

704 OLD WILLOW ROAD
PIN: 03-24-102-013



GHA GEORGE HAMILTON ASSOCIATES, INC.

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PLOT DATE = 2/5/2021

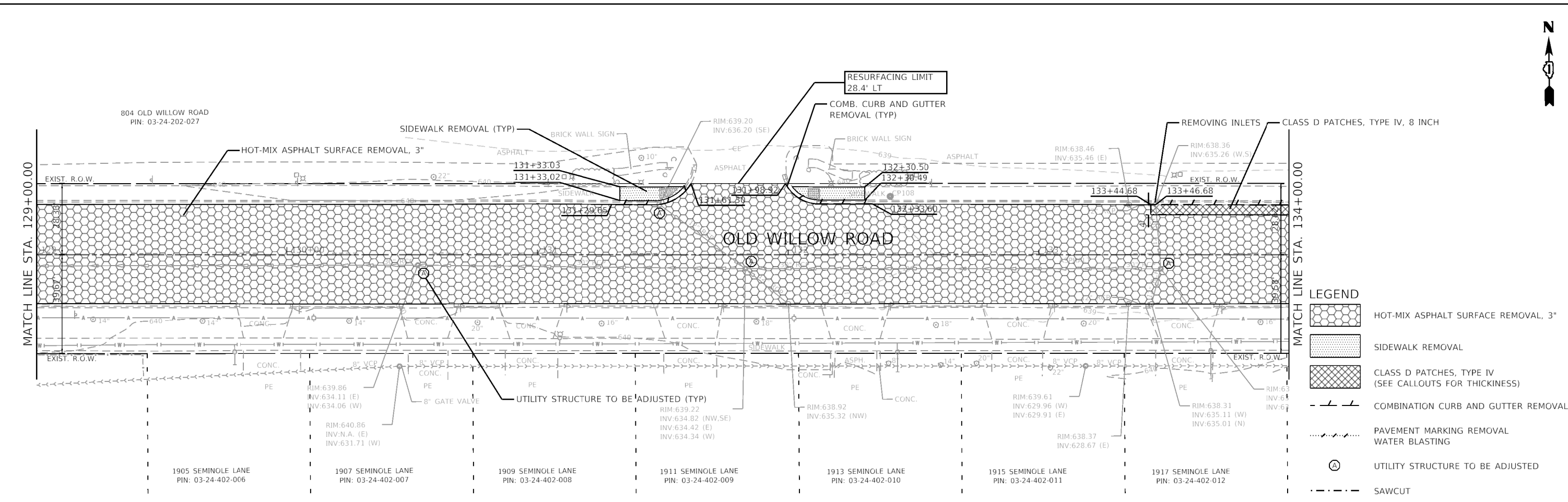
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DRAWN - GHA
CHECKED - KLB
DATE - 2/5/2021

REVISED -
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REVISED -
REVISED -

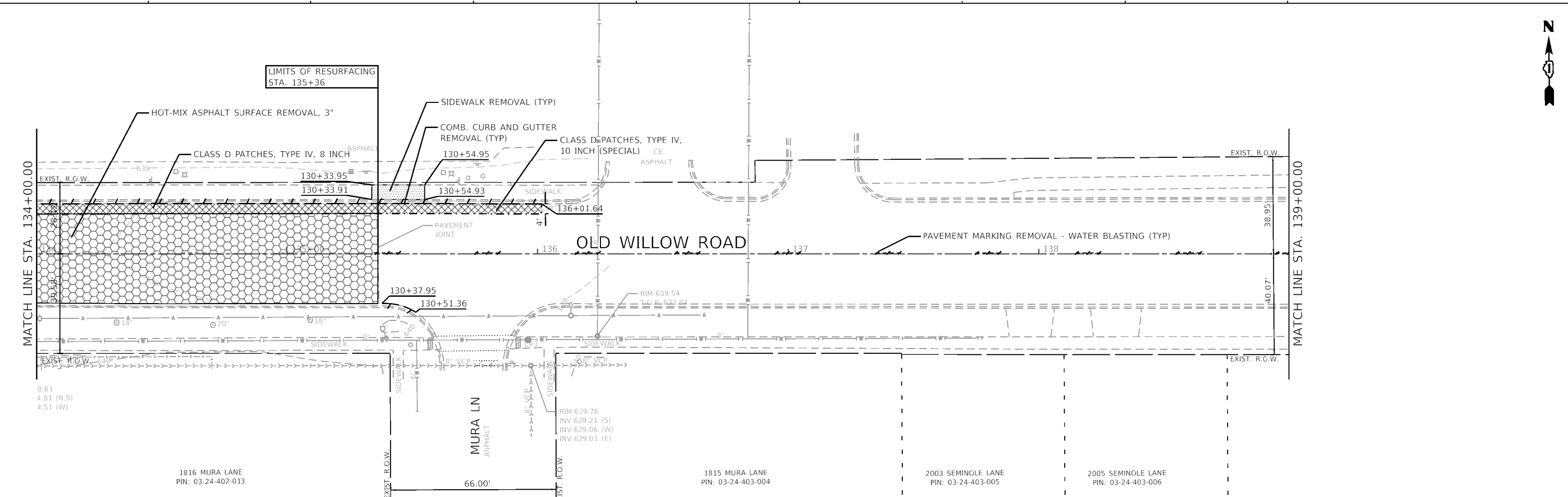
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	17
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - SIDEWALK REMOVAL
 - CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)
 - COMBINATION CURB AND GUTTER REMOVAL
 - PAVEMENT MARKING REMOVAL WATER BLASTING
 - UTILITY STRUCTURE TO BE ADJUSTED
 - SAWCUT



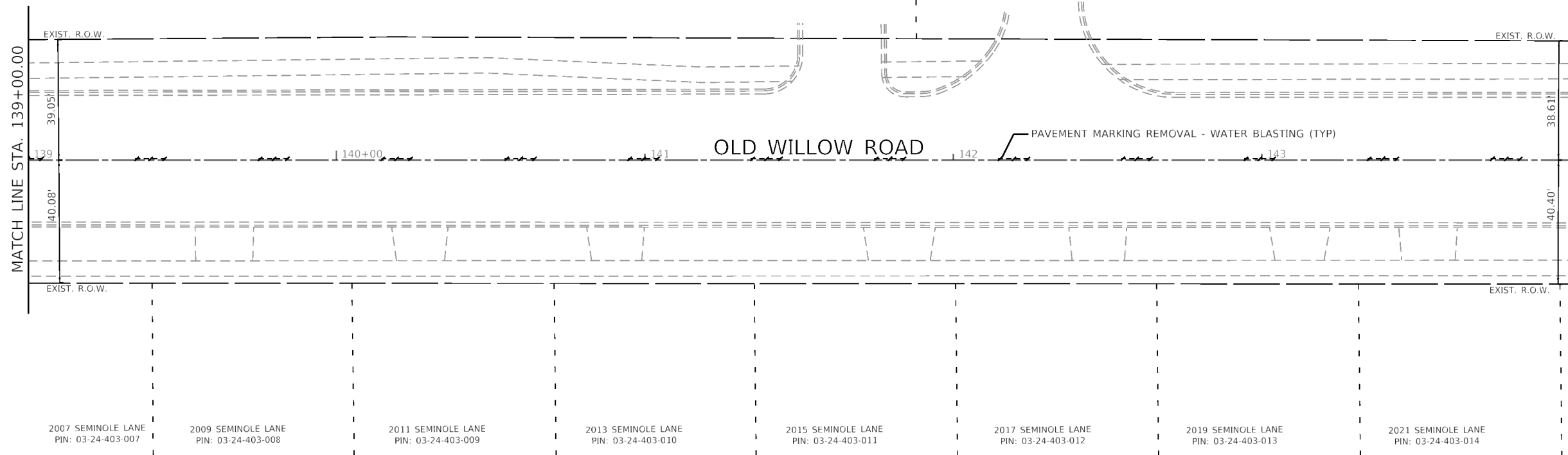
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






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		DATE - 2/5/2021	REVISED -

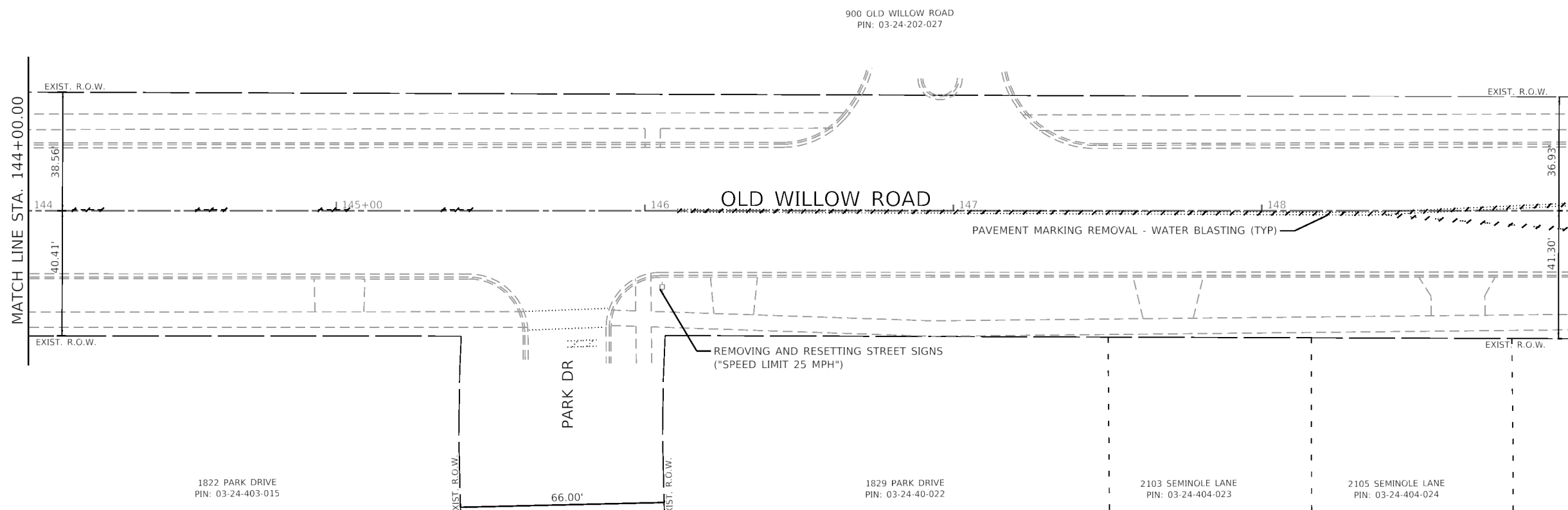
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
 SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	18
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 -  SIDEWALK REMOVAL
 -  CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)
 -  COMBINATION CURB AND GUTTER REMOVAL
 -  PAVEMENT MARKING REMOVAL WATER BLASTING
 -  UTILITY STRUCTURE TO BE ADJUSTED
 -  SAWCUT



GHA GEWALT HAMILTON ASSOCIATES, INC.

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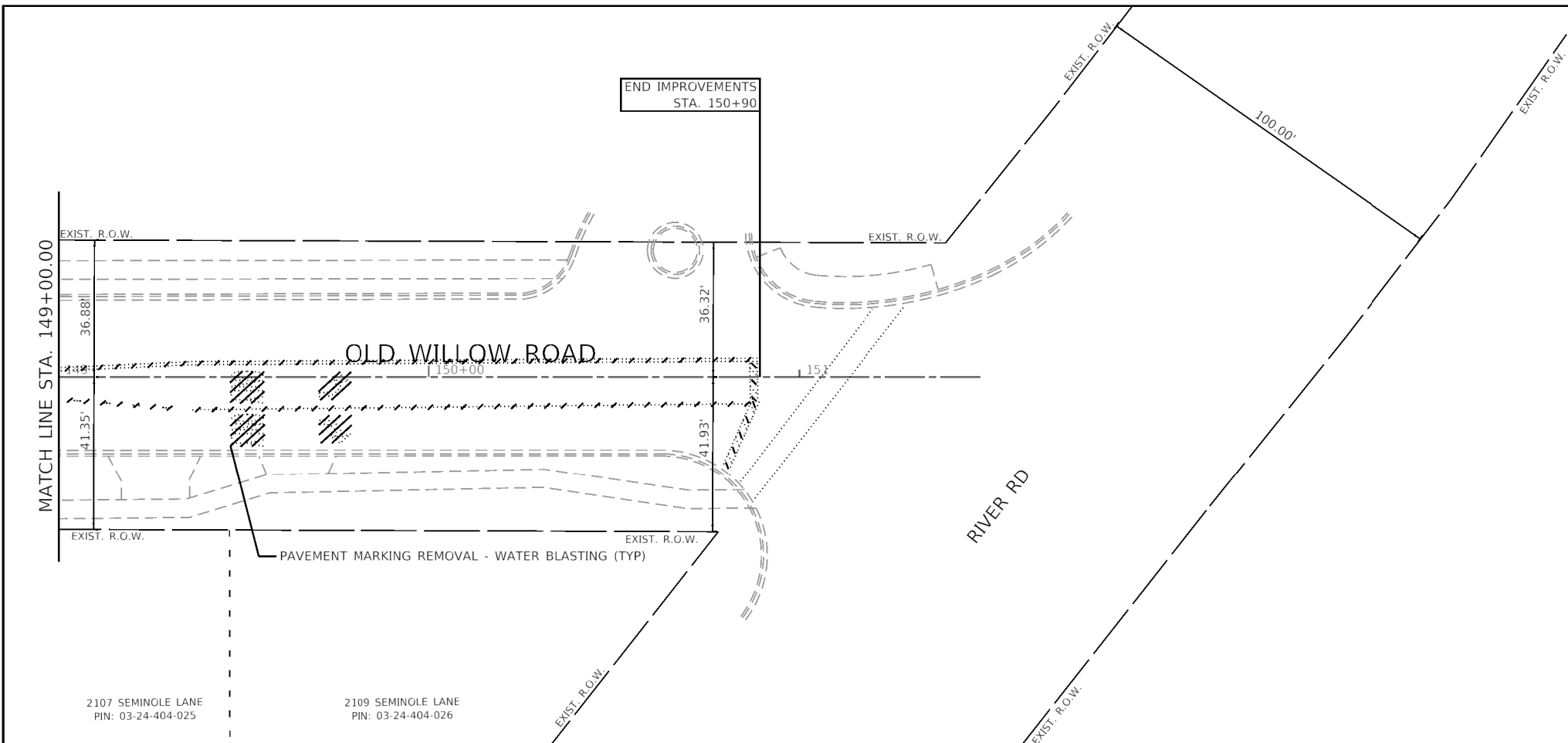
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Default		DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








REMOVAL PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	19
CONTRACT NO. 61H01			ILLINOIS FED. AID PROJECT	



LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	SIDEWALK REMOVAL
	CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)
	COMBINATION CURB AND GUTTER REMOVAL
	PAVEMENT MARKING REMOVAL WATER BLASTING
	UTILITY STRUCTURE TO BE ADJUSTED
	SAWCUT

GHA GEWALT HAMILTON ASSOCIATES, INC.
MODEL: Default
FILE: 4755_067_sht-removal_6.dgn







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		DATE - 2/5/2021	REVISED -

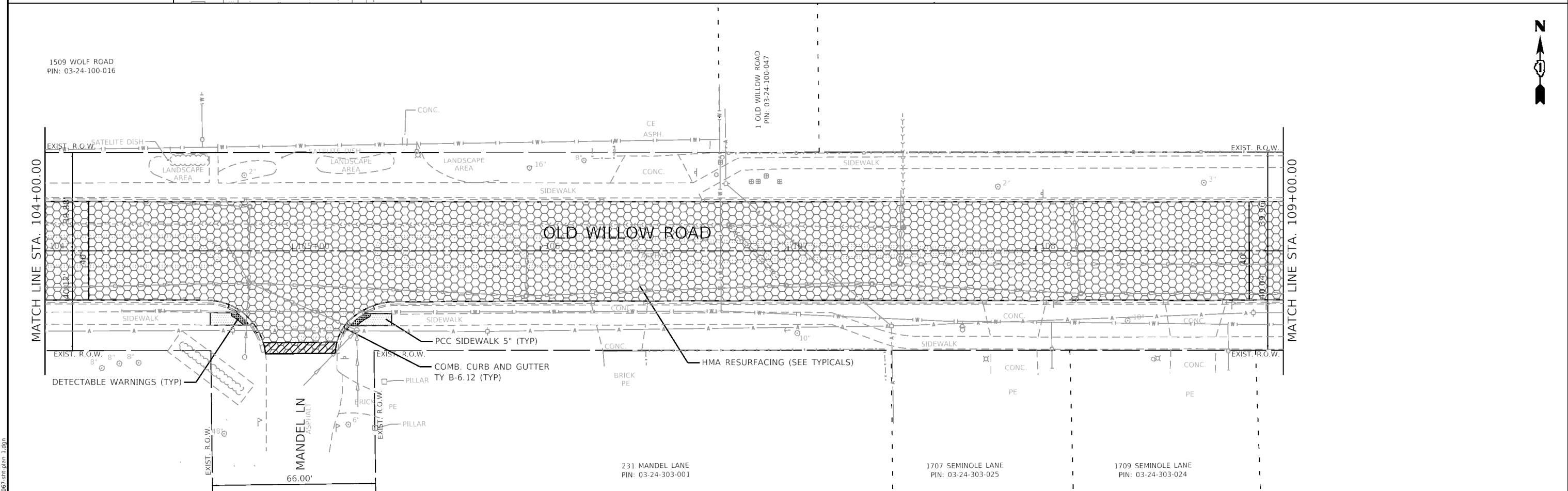
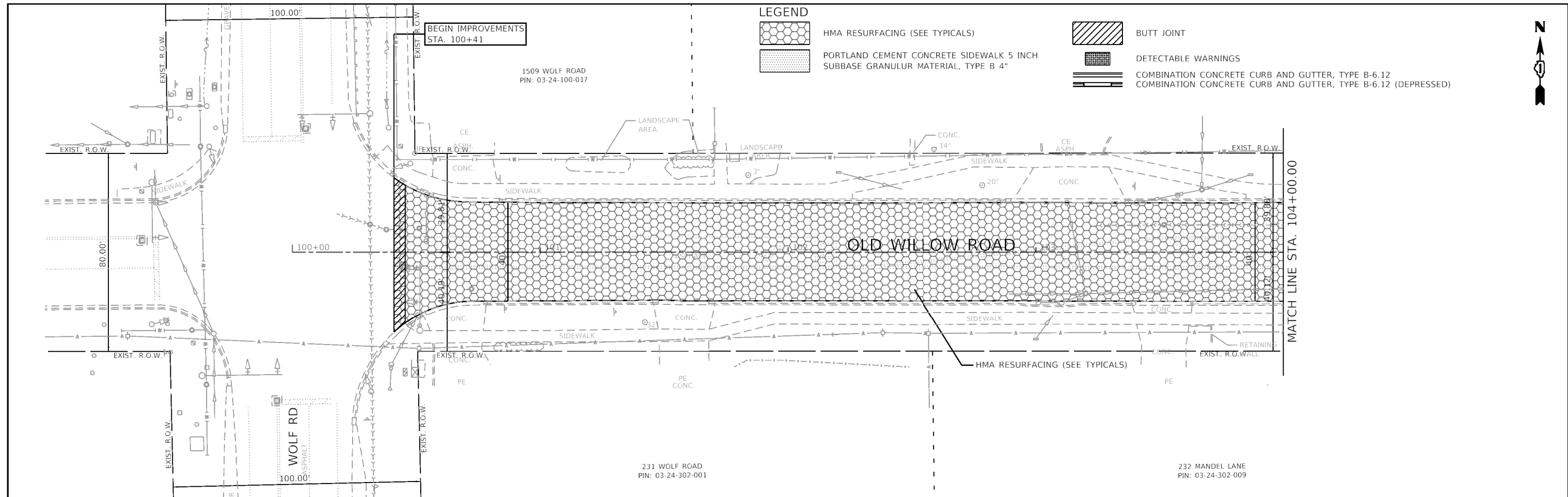
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS	
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45	
SCALE: 1"=20'	SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H01	

LEGEND

-  HMA RESURFACING (SEE TYPICALS)
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULUR MATERIAL, TYPE B 4"
-  BUTT JOINT
-  DETECTABLE WARNINGS
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)



GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL Default
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4755.067	
Default	

DESIGNED - MGFC	REVISD -
DRAWN - GHA	REVISD -
CHECKED - KLB	REVISD -
DATE - 2/5/2021	REVISD -

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DATE - 2/5/2021	REVISD -

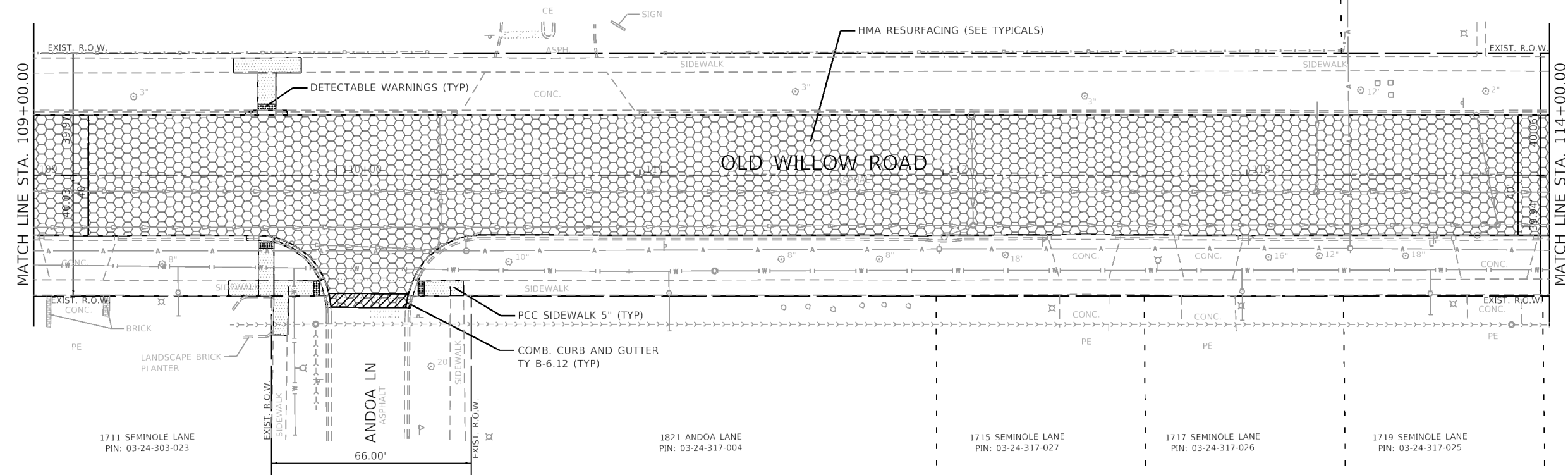
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED IMPROVEMENT PLAN	
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45	
SCALE: 1"=20'	SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	21
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				









16 OLD WILLOW ROAD
PIN: 03-24-100-037



MATCH LINE STA. 114+00.00

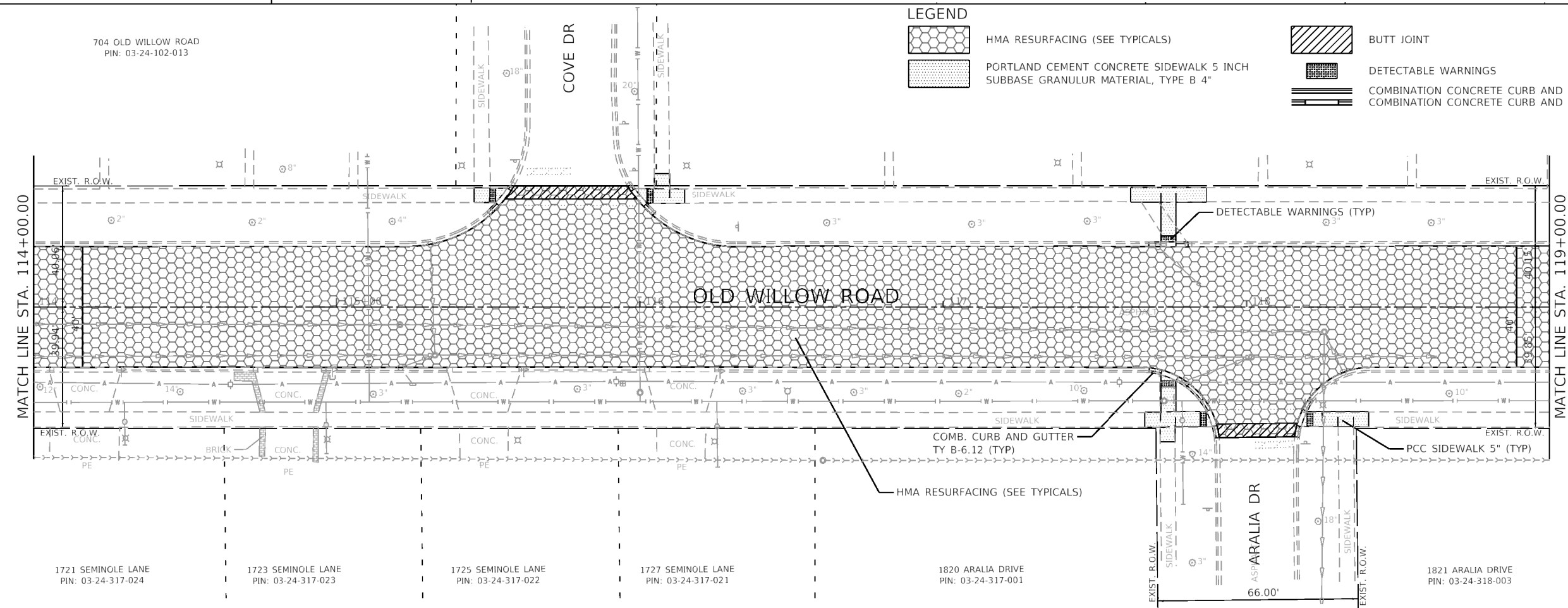
MATCH LINE STA. 109+00.00

LEGEND

-  HMA RESURFACING (SEE TYPICALS)
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULUR MATERIAL, TYPE B 4"
-  BUTT JOINT
-  DETECTABLE WARNINGS
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)



704 OLD WILLOW ROAD
PIN: 03-24-102-013



MATCH LINE STA. 119+00.00

MATCH LINE STA. 114+00.00



MODEL Default
FILE Name 4755-067-sht-plan 2.dgn

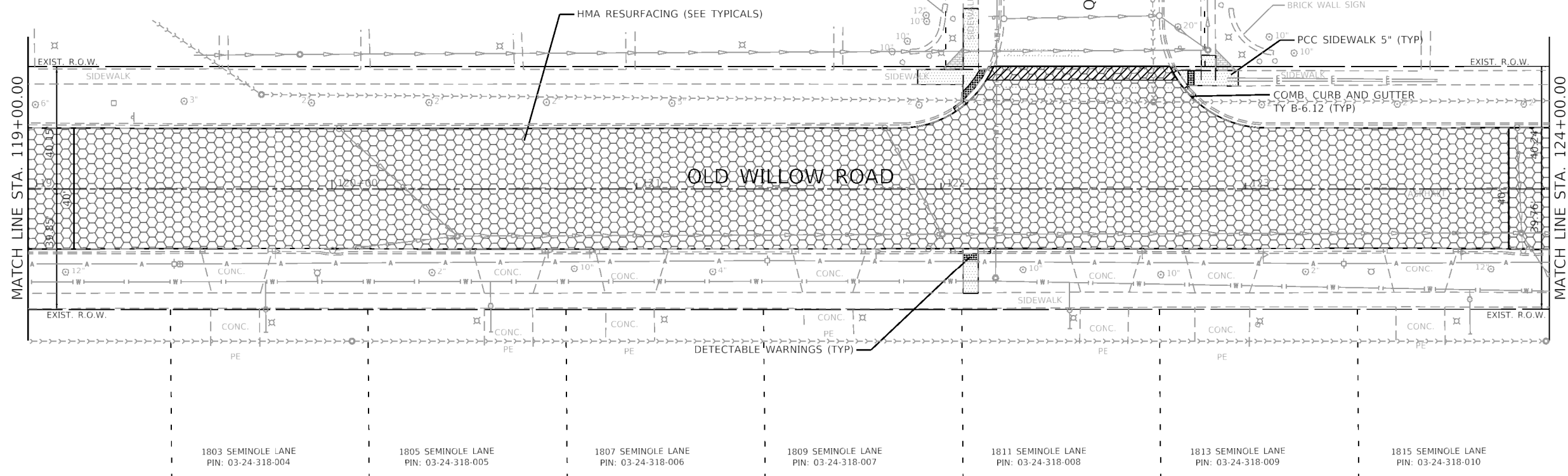
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Default	PLOT DATE = 2/5/2021	DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED IMPROVEMENT PLAN	
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45	
SCALE: 1"=20'	SHEET 2 OF 6 SHEETS STA. TO STA.

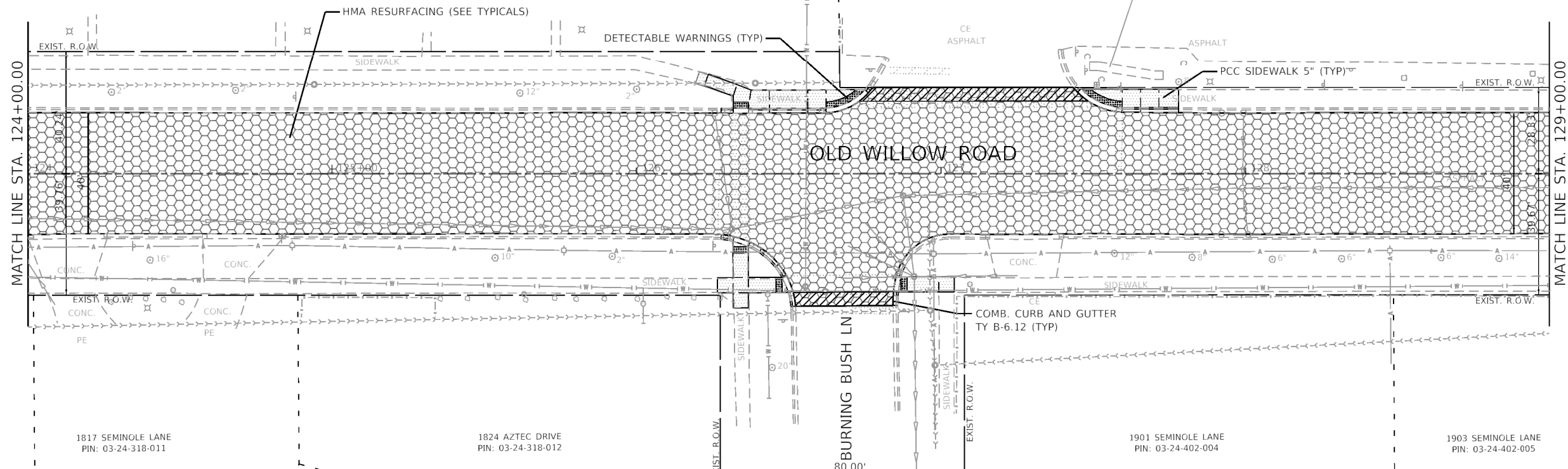
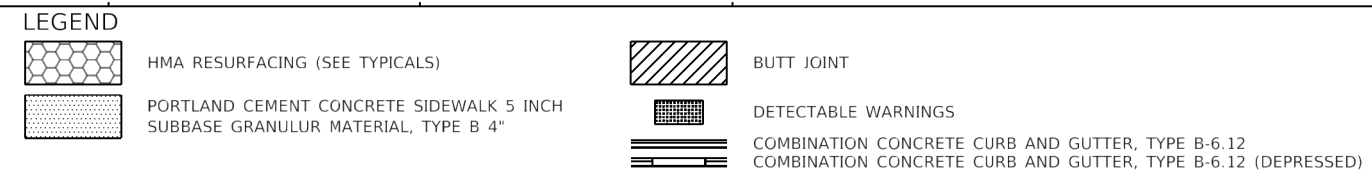
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	22
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				

704 OLD WILLOW ROAD
PIN: 03-24-102-013



1803 SEMINOLE LANE PIN: 03-24-318-004 1805 SEMINOLE LANE PIN: 03-24-318-005 1807 SEMINOLE LANE PIN: 03-24-318-006 1809 SEMINOLE LANE PIN: 03-24-318-007 1811 SEMINOLE LANE PIN: 03-24-318-008 1813 SEMINOLE LANE PIN: 03-24-318-009 1815 SEMINOLE LANE PIN: 03-24-318-010

704 OLD WILLOW ROAD
PIN: 03-24-102-013



1817 SEMINOLE LANE PIN: 03-24-318-011 1824 AZTEC DRIVE PIN: 03-24-318-012 1901 SEMINOLE LANE PIN: 03-24-402-004 1903 SEMINOLE LANE PIN: 03-24-402-005

GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL Default
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4755-067-sht-plan 3.dgn	
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Default	

DESIGNED - MGFC	REVISD -
DRAWN - GHA	REVISD -
CHECKED - KLB	REVISD -
DATE - 2/5/2021	REVISD -

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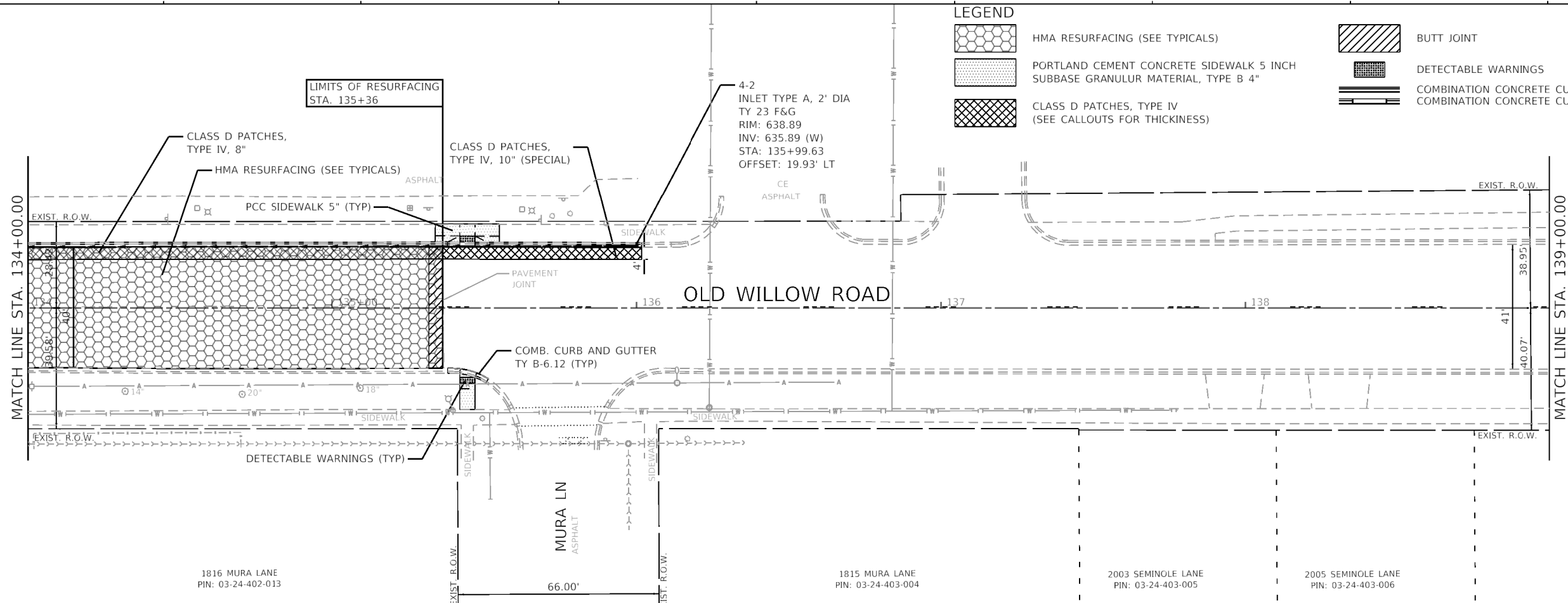
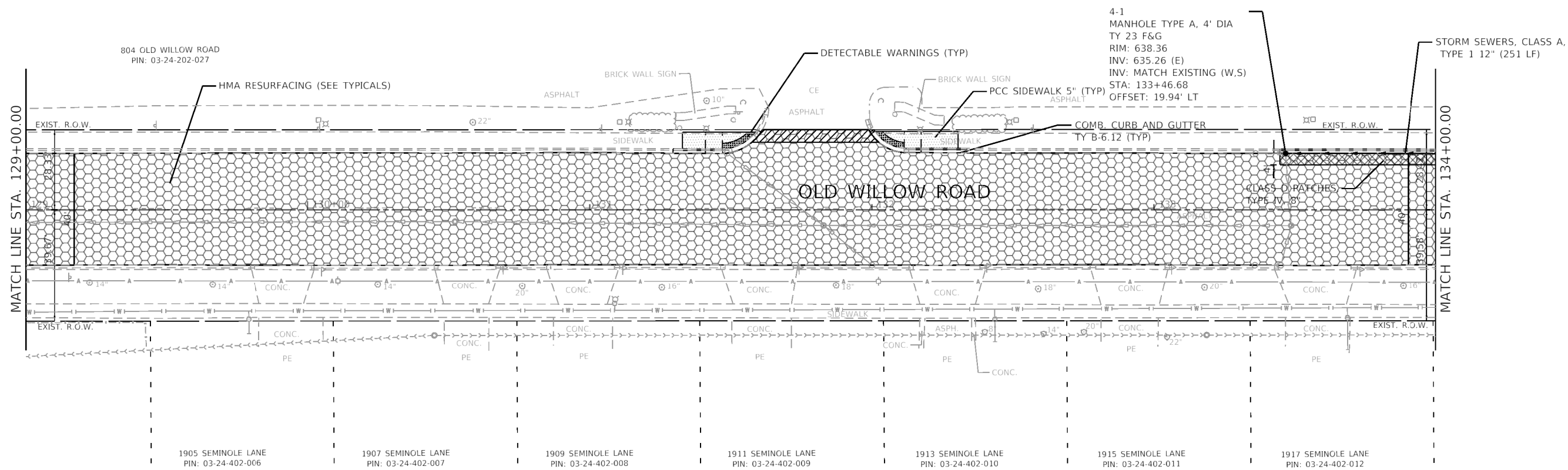
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CHECKED - KLB	REVISD -
DATE - 2/5/2021	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED IMPROVEMENT PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	23
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

	HMA RESURFACING (SEE TYPICALS)		BUTT JOINT
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULUR MATERIAL, TYPE B 4"		DETECTABLE WARNINGS
	CLASS D PATCHES, TYPE IV (SEE CALLOUTS FOR THICKNESS)		COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
			COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)



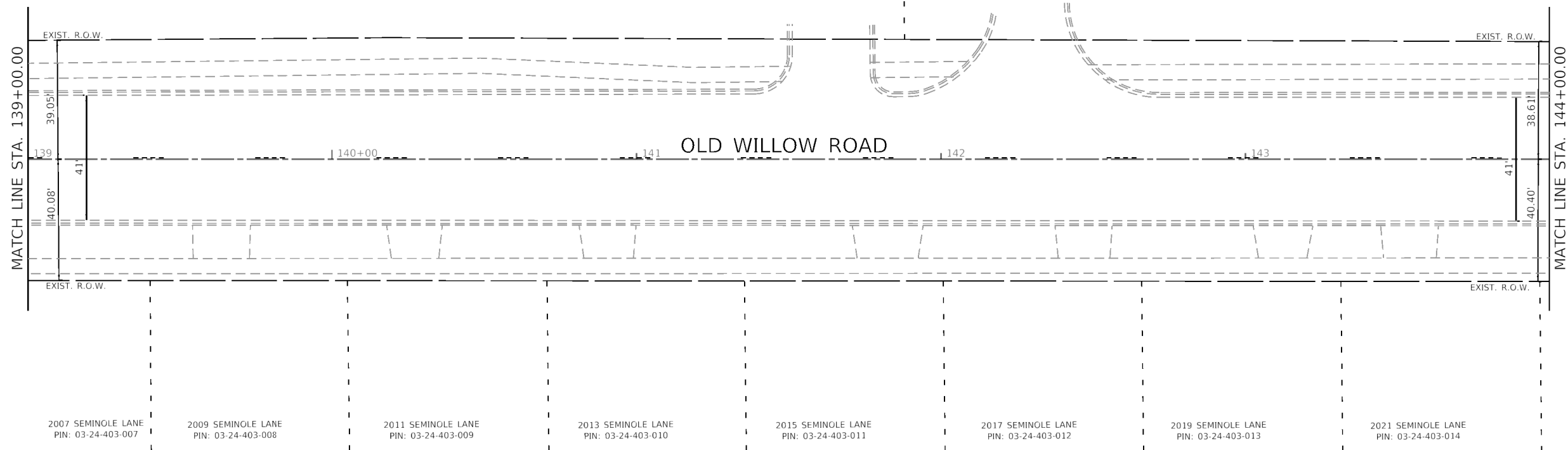
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

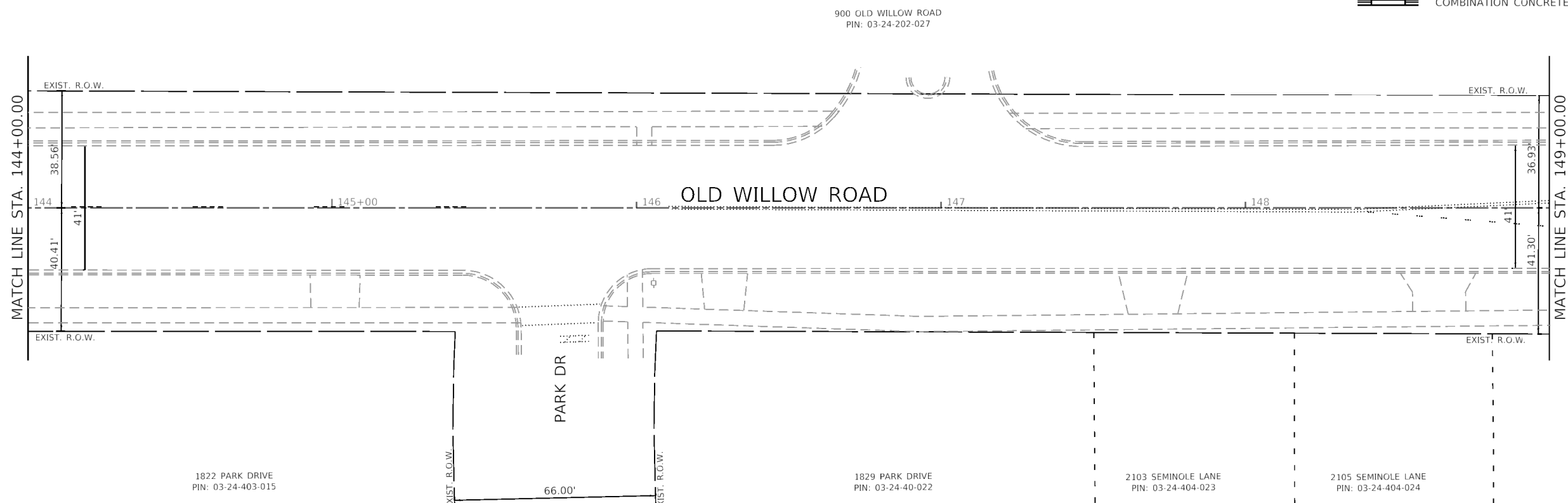
PROPOSED IMPROVEMENT PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
 SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	24
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

	HMA RESURFACING (SEE TYPICALS)		BUTT JOINT
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULUR MATERIAL, TYPE B 4"		DETECTABLE WARNINGS
			COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
			COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)



GHA GEWALT HAMILTON ASSOCIATES, INC.

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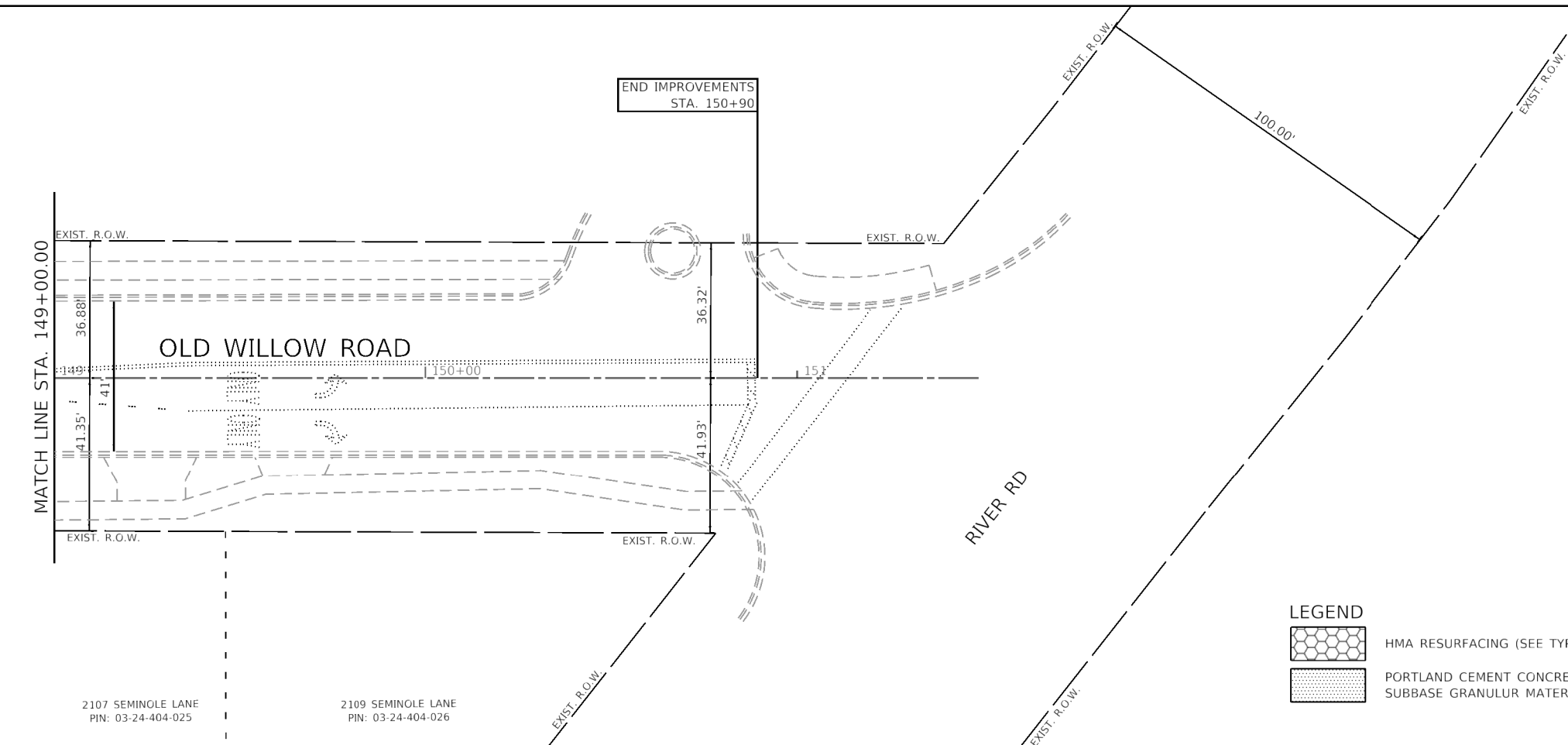
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Default		DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

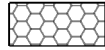

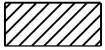



**PROPOSED IMPROVEMENT PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	25
CONTRACT NO. 61H01			ILLINOIS FED. AID PROJECT	



LEGEND

-  HMA RESURFACING (SEE TYPICALS)
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULUR MATERIAL, TYPE B 4"
-  BUTT JOINT
-  DETECTABLE WARNINGS
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)

GHA GEWALT HAMILTON ASSOCIATES, INC.

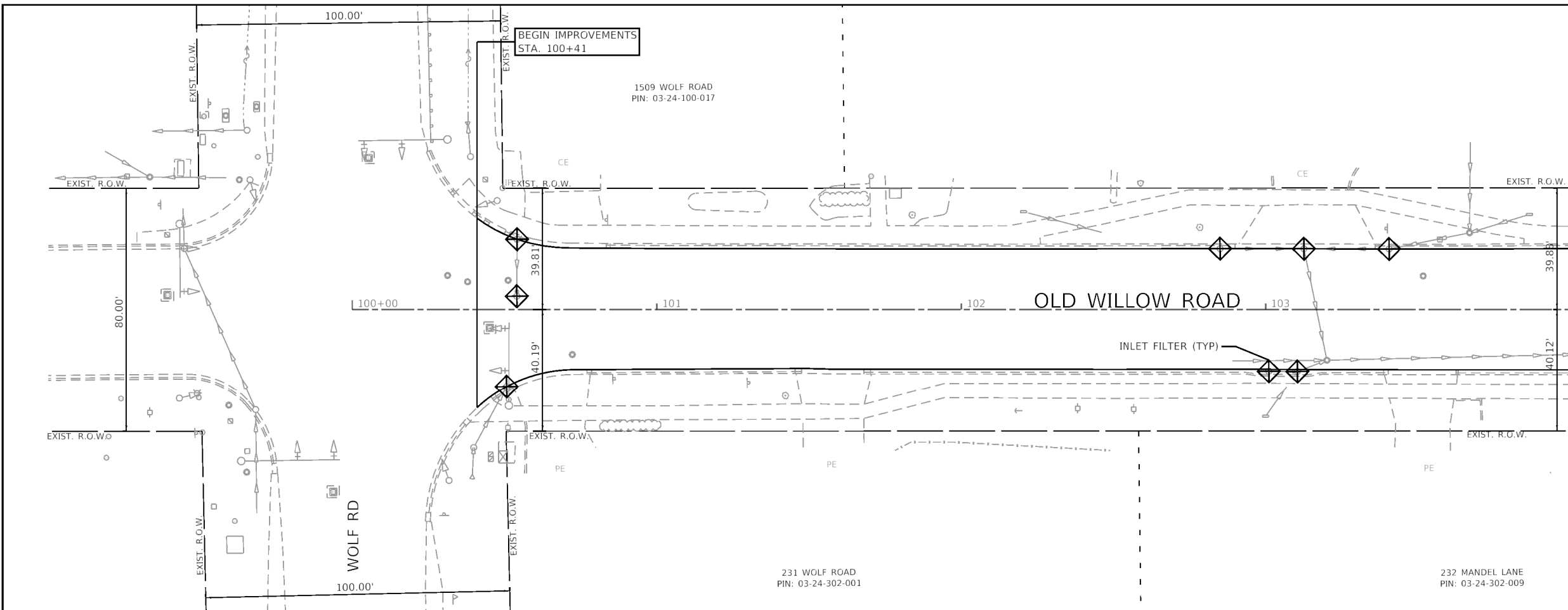
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	PLOT DATE = 2/5/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

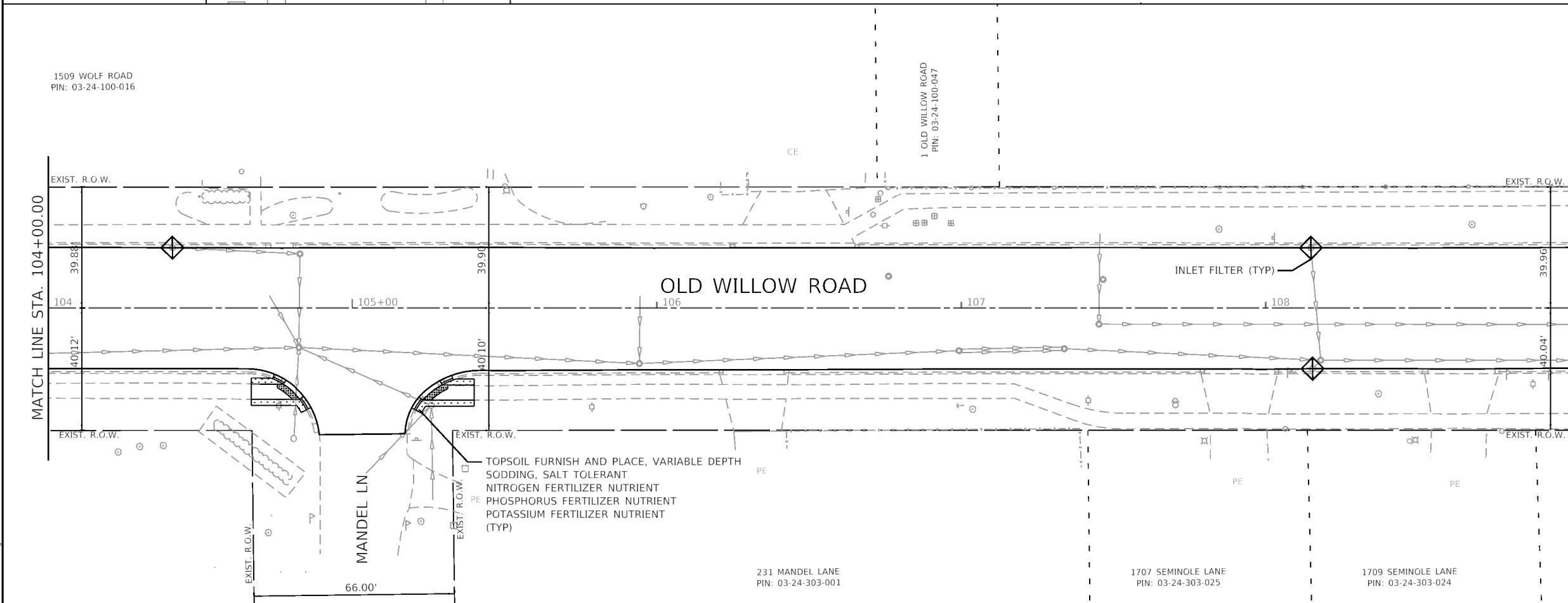
PROPOSED IMPROVEMENT PLAN	
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45	
SCALE: 1"=20'	SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	26
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 104+00.00

- LEGEND**
- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
SODDING, SALT TOLERANT
SUPPLEMENTAL WATERING
 - INLET FILTER



MATCH LINE STA. 104+00.00

MATCH LINE STA. 109+00.00



MODEL Default
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FILE NAME = 4755-067-sht-eros 1.dgn
 USER NAME = dolsek
 PLOT SCALE = 1:40
 PLOT DATE = 2/5/2021

DESIGNED - MGFC	REVISED -
DRAWN - GHA	REVISED -
CHECKED - KLB	REVISED -
DATE - 2/5/2021	REVISED -

231 MANDEL LANE
PIN: 03-24-303-001

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

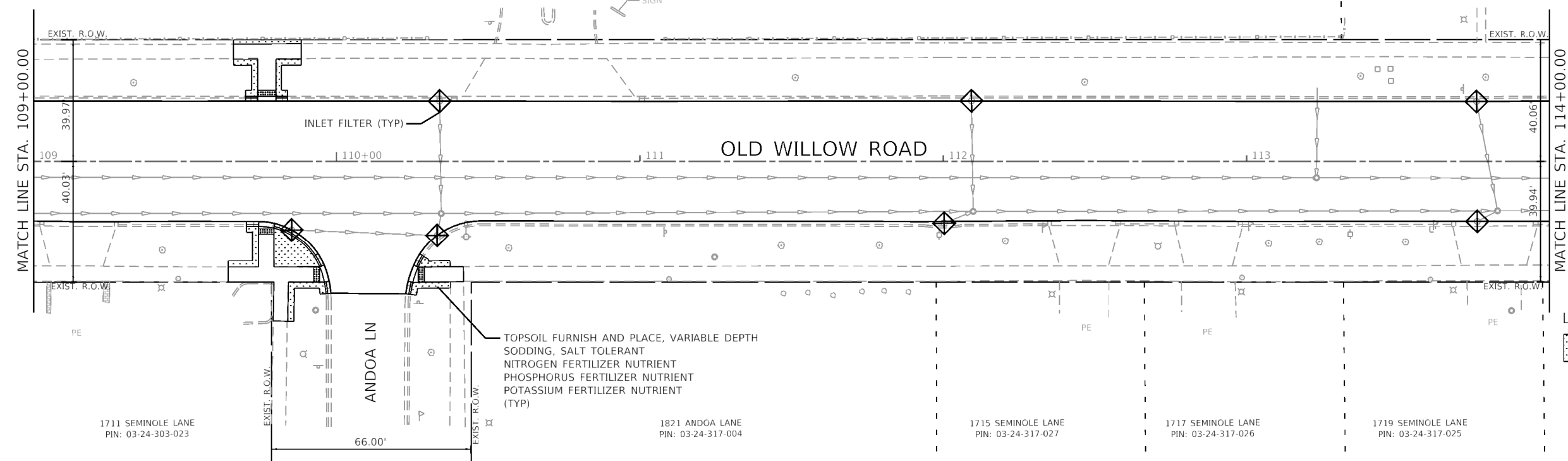
**SOIL EROSION AND SEDIMENT CONTROL
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	27
CONTRACT NO. 61H01			ILLINOIS FED. AID PROJECT	



16 OLD WILLOW ROAD
PIN: 03-24-100-037



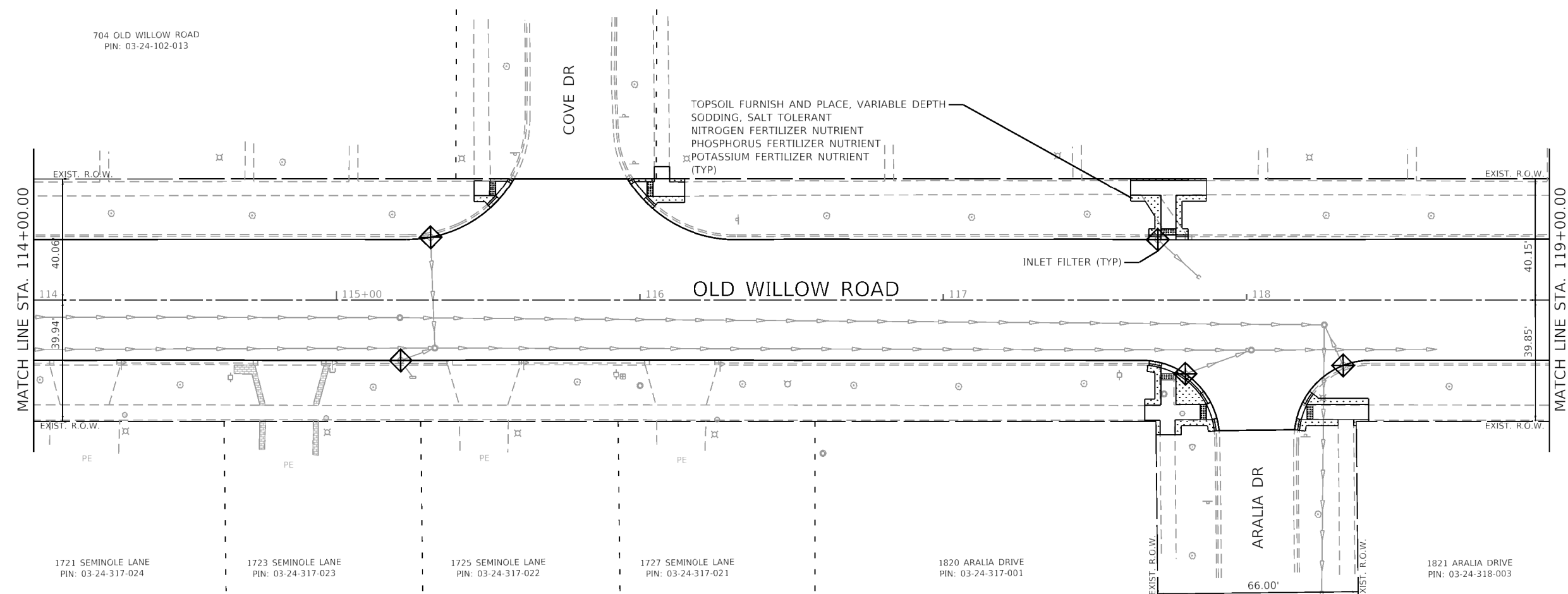
LEGEND

TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH SODDING, SALT TOLERANT SUPPLEMENTAL WATERING

INLET FILTER



704 OLD WILLOW ROAD
PIN: 03-24-102-013



GHA GEWALT HAMILTON ASSOCIATES, INC.

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DATE - 2/5/2021	REVISOR -

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DATE - 2/5/2021	REVISOR -

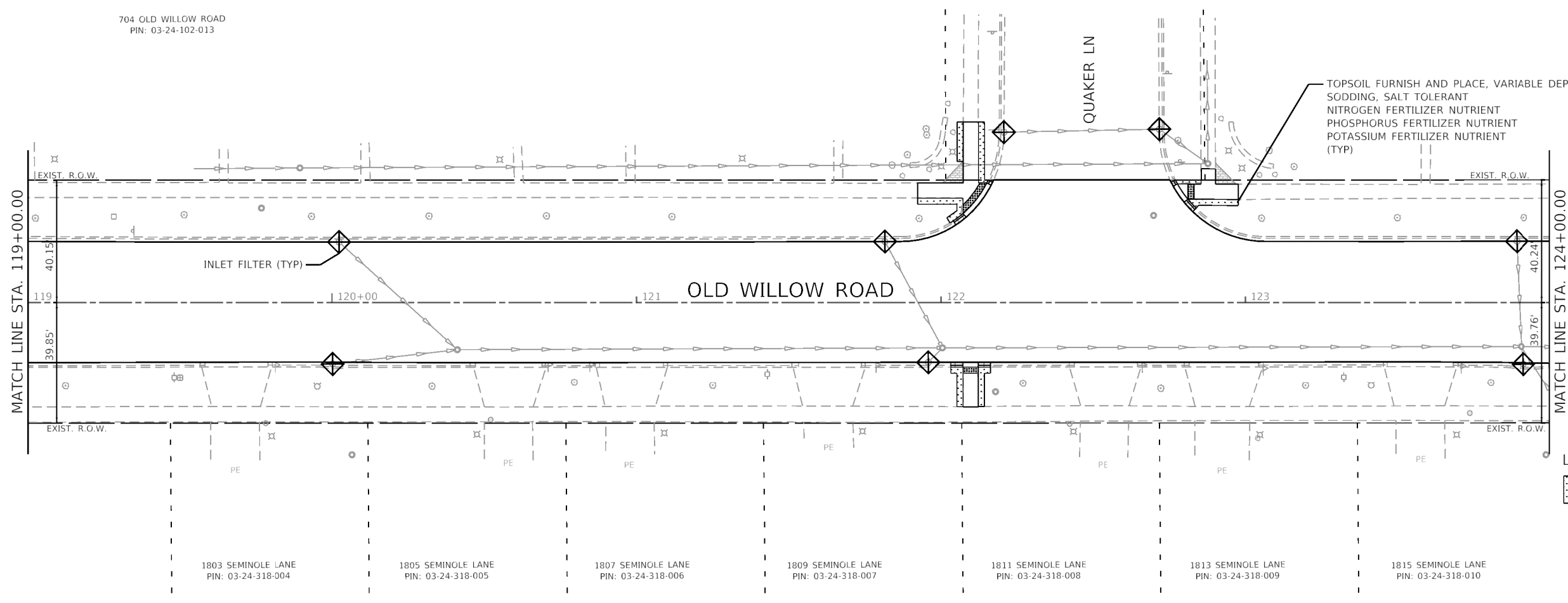
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**



SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	28
				CONTRACT NO. 61H01
				ILLINOIS FED. AID PROJECT

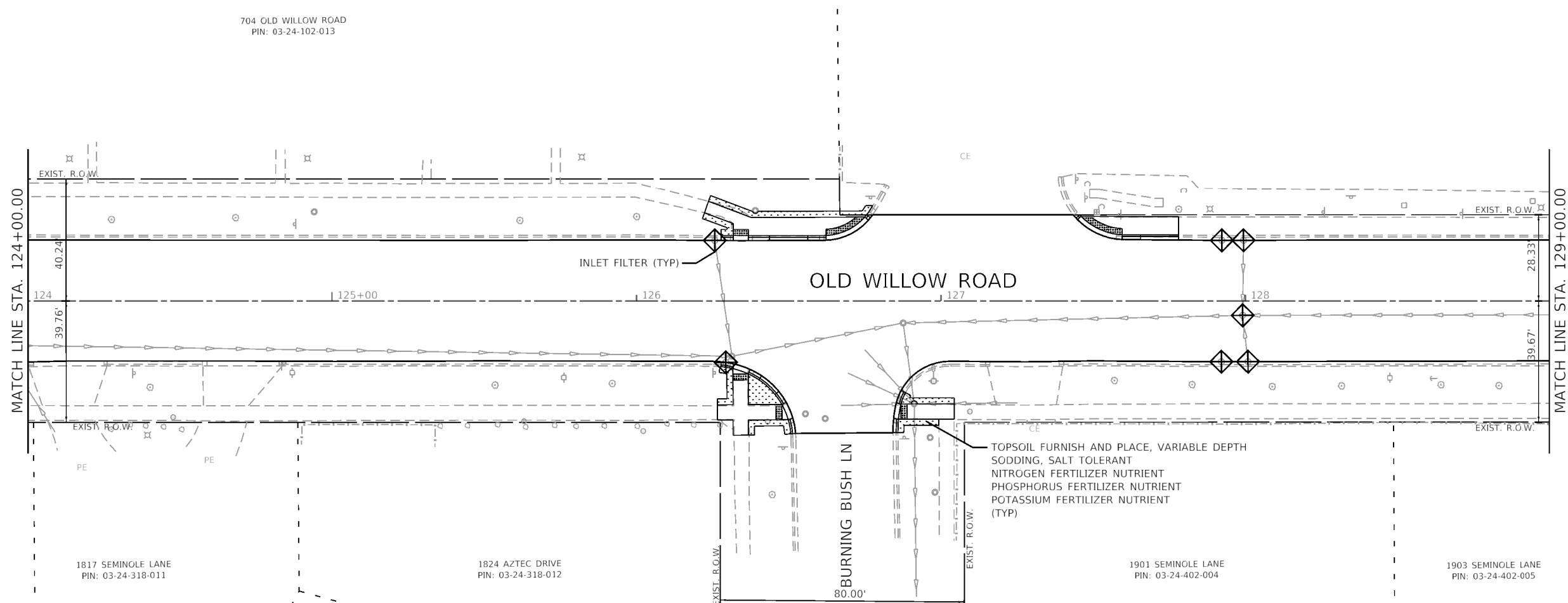
704 OLD WILLOW ROAD
PIN: 03-24-102-013



LEGEND

-  TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
SODDING, SALT TOLERANT
SUPPLEMENTAL WATERING
-  INLET FILTER

704 OLD WILLOW ROAD
PIN: 03-24-102-013



GHA GEWALT HAMILTON ASSOCIATES, INC.

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4755.067	
Default	

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DRAWN - GHA	REVISD -
CHECKED - KLB	REVISD -
DATE - 2/5/2021	REVISD -

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DATE - 2/5/2021	REVISD -

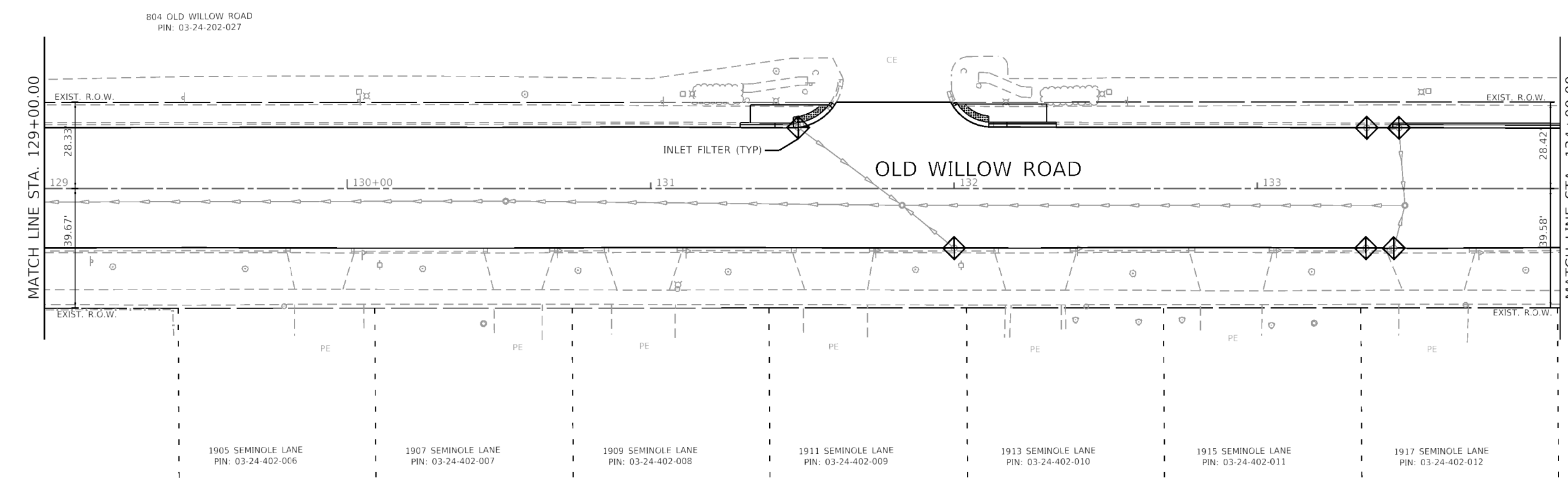
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DATE - 2/5/2021	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

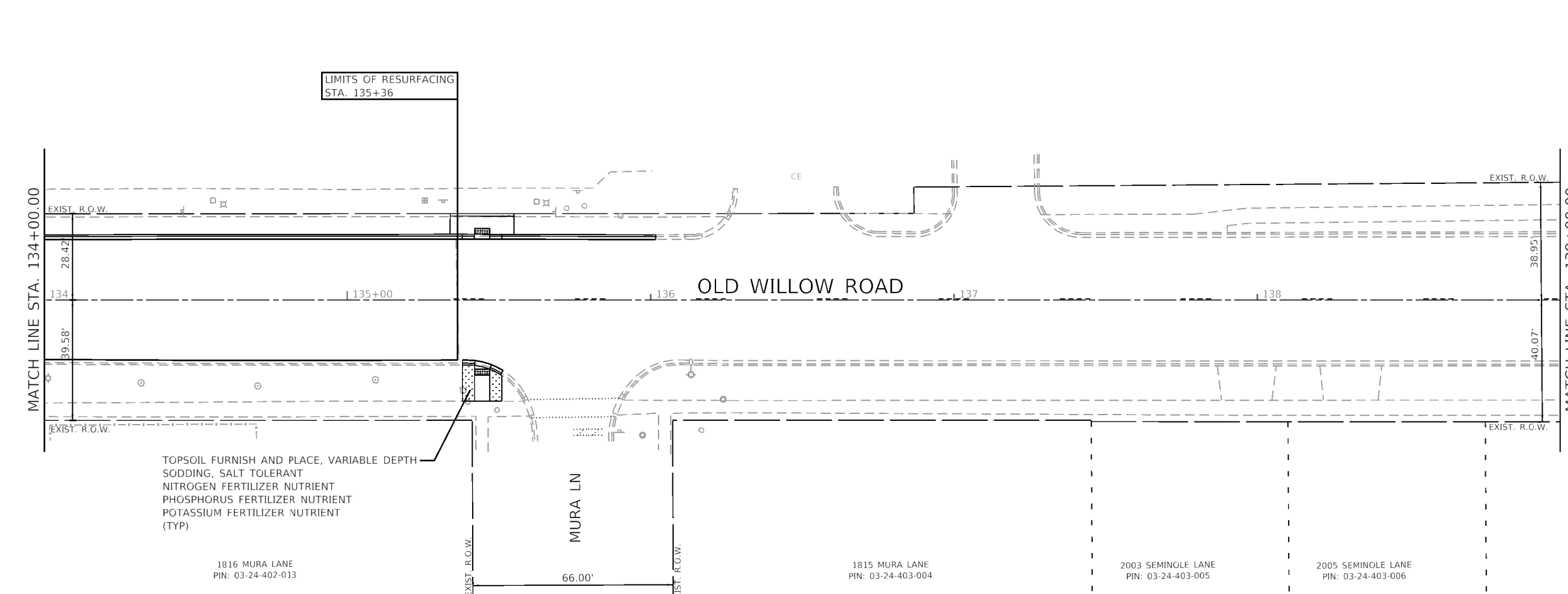
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	29
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
SODDING, SALT TOLERANT
SUPPLEMENTAL WATERING
- INLET FILTER



TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
SODDING, SALT TOLERANT
NITROGEN FERTILIZER NUTRIENT
PHOSPHORUS FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
(TYP)

GHA GEWALT HAMILTON ASSOCIATES, INC.

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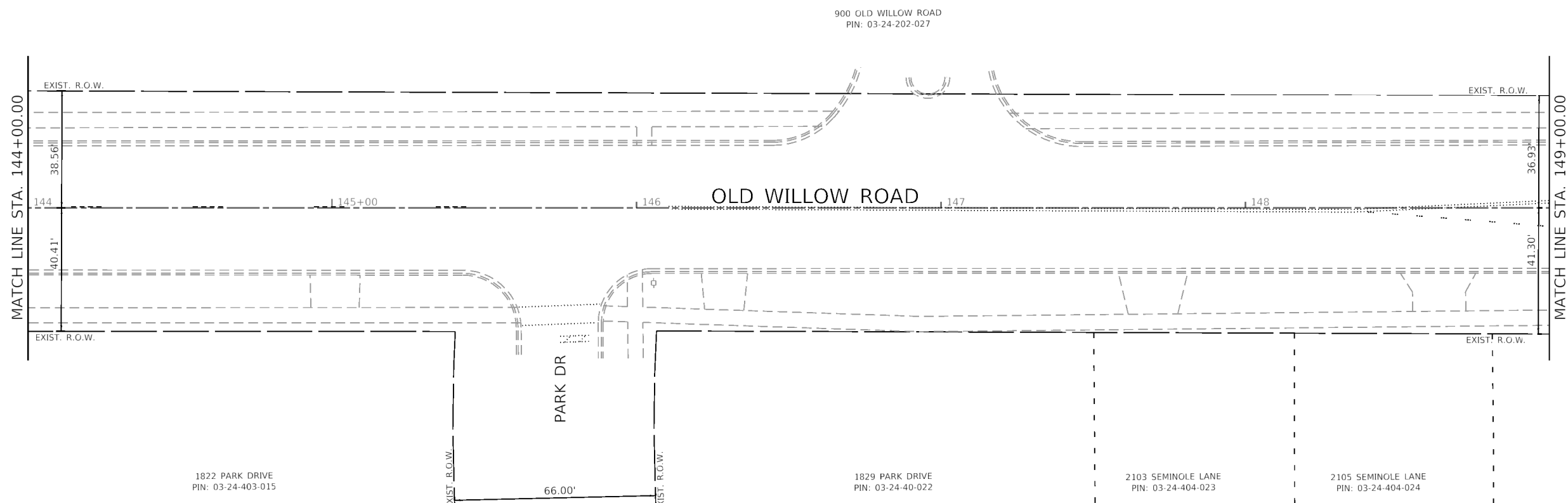
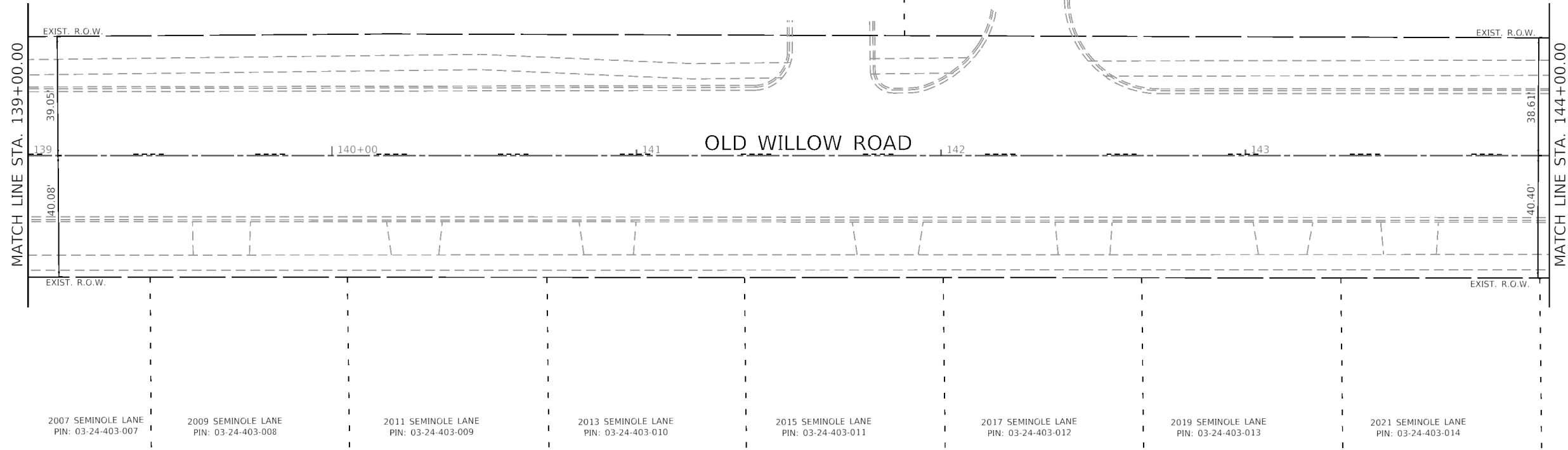
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Default		DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL EROSION AND SEDIMENT CONTROL
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	30
CONTRACT NO. 61H01			ILLINOIS FED. AID PROJECT	



GHA GEWALT HAMILTON
ASSOCIATES, INC.

MODEL Default
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4755-067-eros 5.dgn
4755.067
Default

USER NAME = dolesak
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PLOT DATE = 2/5/2021

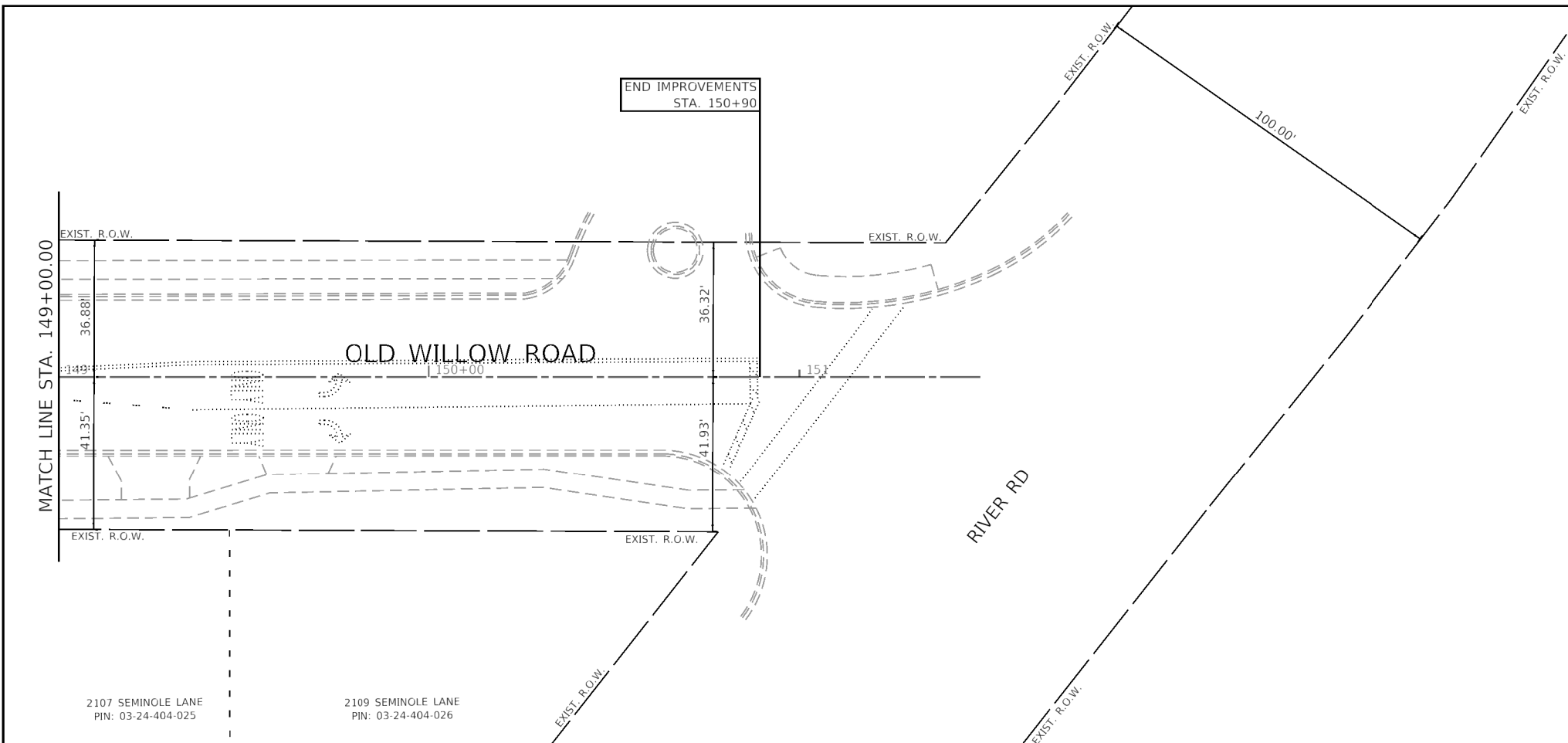
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DRAWN - GHA
CHECKED - KLB
DATE - 2/5/2021

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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL EROSION AND SEDIMENT CONTROL
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	31
CONTRACT NO. 61H01			ILLINOIS FED. AID PROJECT	



GHA GEVAIT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

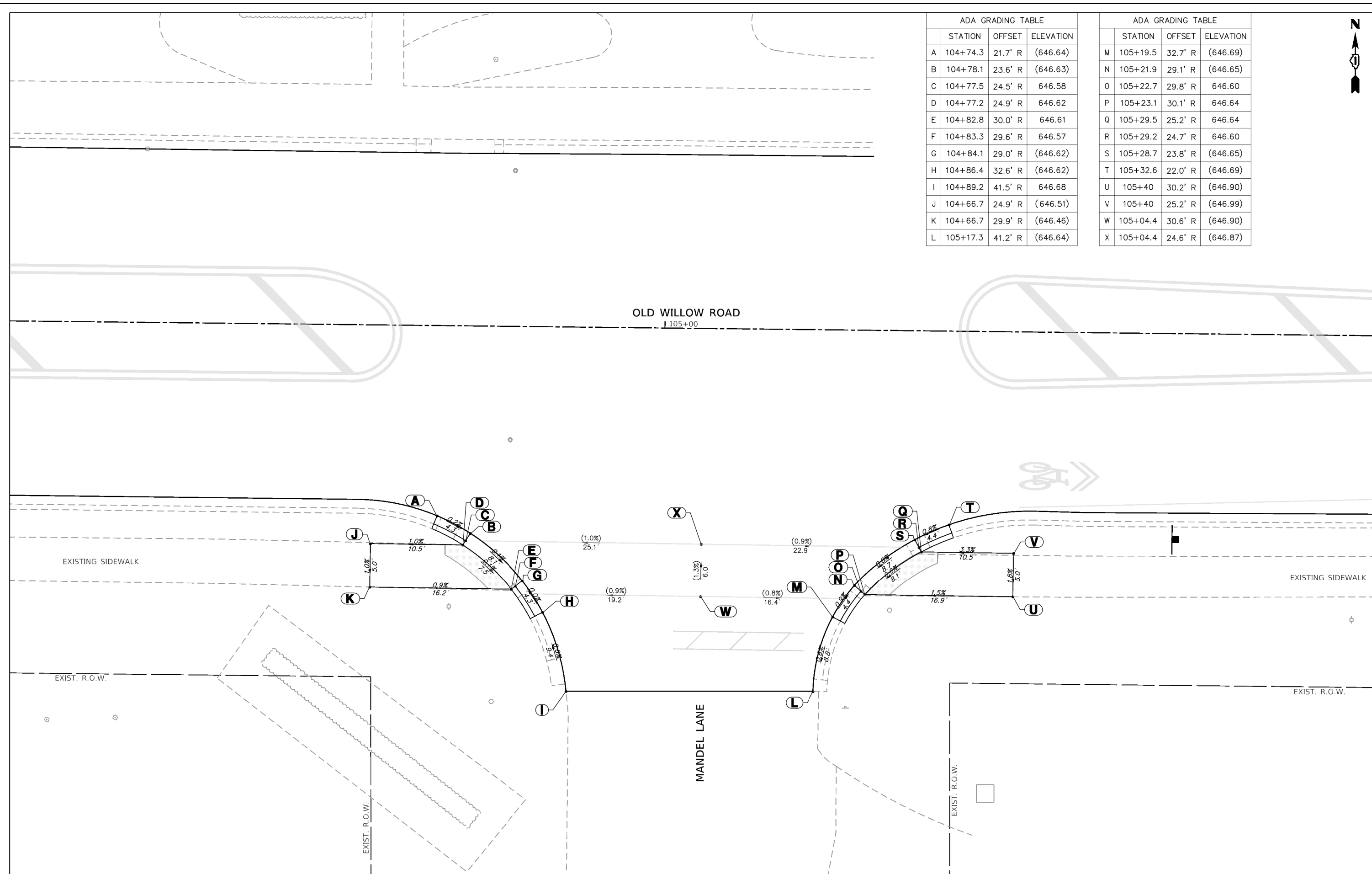
SCALE: 1"=20' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	32
				CONTRACT NO. 61H01
		ILLINOIS	FED. AID PROJECT	



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	104+74.3	21.7' R	(646.64)
B	104+78.1	23.6' R	(646.63)
C	104+77.5	24.5' R	646.58
D	104+77.2	24.9' R	646.62
E	104+82.8	30.0' R	646.61
F	104+83.3	29.6' R	646.57
G	104+84.1	29.0' R	(646.62)
H	104+86.4	32.6' R	(646.62)
I	104+89.2	41.5' R	646.68
J	104+66.7	24.9' R	(646.51)
K	104+66.7	29.9' R	(646.46)
L	105+17.3	41.2' R	(646.64)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
M	105+19.5	32.7' R	(646.69)
N	105+21.9	29.1' R	(646.65)
O	105+22.7	29.8' R	646.60
P	105+23.1	30.1' R	646.64
Q	105+29.5	25.2' R	646.64
R	105+29.2	24.7' R	646.60
S	105+28.7	23.8' R	(646.65)
T	105+32.6	22.0' R	(646.69)
U	105+40	30.2' R	(646.90)
V	105+40	25.2' R	(646.99)
W	105+04.4	30.6' R	(646.90)
X	105+04.4	24.6' R	(646.87)



GHA GEWALT HAMILTON ASSOCIATES, INC.
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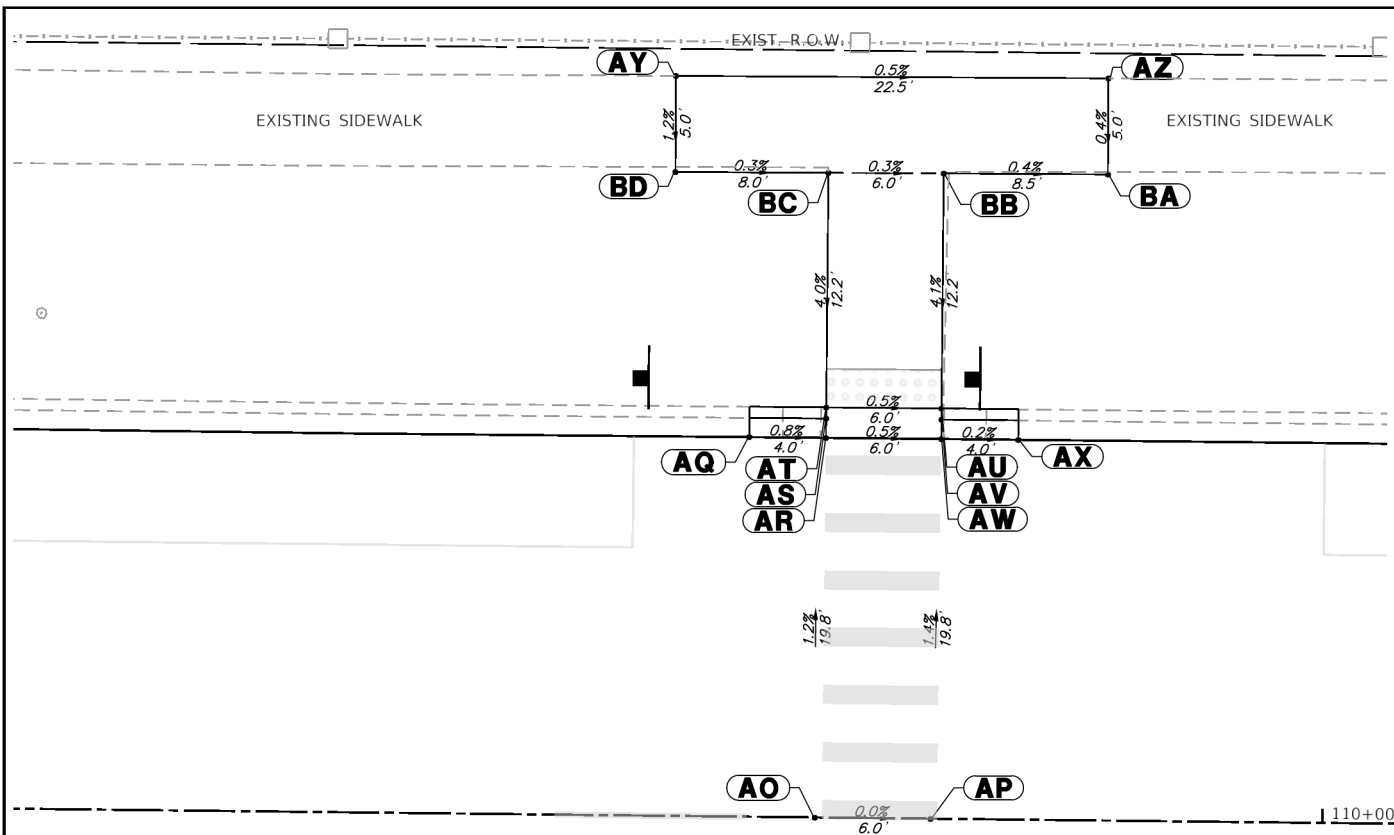
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Default		DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF TO US RTE 45

SCALE: 1"=5' SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	33
				CONTRACT NO. 61H01
ILLINOIS FED. AID PROJECT				



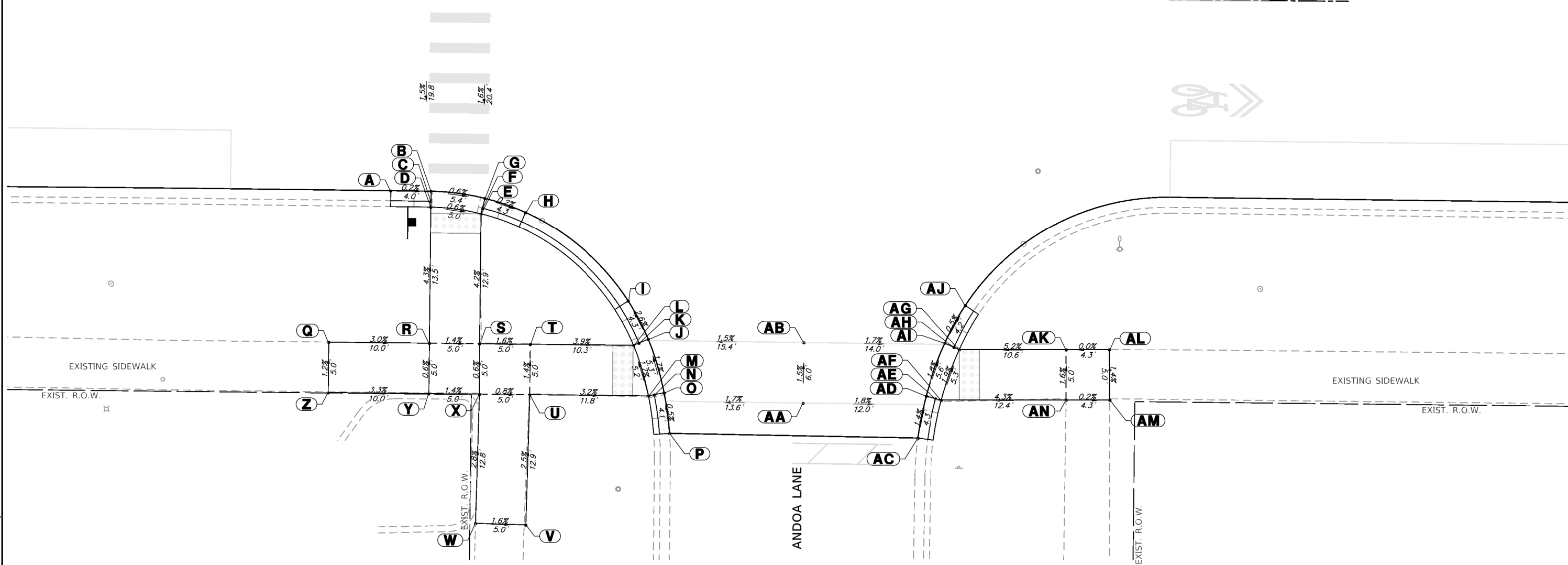
ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
A	109+70.2 19.8' R	(645.05)
B	109+74.2 19.8' R	(645.04)
C	109+74.2 20.8' R	644.99
D	109+74.2 21.4' R	645.03
E	109+79.2 22.0' R	645.00
F	109+79.3 21.5' R	644.96
G	109+79.5 20.5' R	(645.01)
H	109+83.6 21.9' R	(645.02)
I	109+93.9 30.6' R	(644.95)
J	109+96 34.3' R	(645.06)
K	109+95.1 34.7' R	645.02
L	109+94.5 35.0' R	645.05
M	109+96.1 40.0' R	645.15

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
N	109+96.6 39.8' R	645.11
O	109+97.6 39.6' R	(645.16)
P	109+98.2 43.7' R	(645.18)
Q	109+64.2 35.0' R	(645.91)
R	109+74.2 35.0' R	645.61
S	109+79.2 35.0' R	645.54
T	109+84.2 35.0' R	645.46
U	109+84.2 40.0' R	645.53
V	109+84 52.9' R	(645.85)
W	109+79 52.8' R	(645.93)
X	109+79.2 40.0' R	645.57
Y	109+74.2 40.0' R	645.64
Z	109+64.2 40.0' R	(645.97)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AA	110+11.4 40.5' R	(645.39)
AB	110+11.4 34.5' R	(645.30)
AC	110+22.8 43.9' R	(645.22)
AD	110+23.6 39.7' R	645.16
AE	110+24.6 39.9' R	645.11
AF	110+25.1 40.1' R	645.15
AG	110+26.9 35.0' R	645.05
AH	110+26.4 34.8' R	645.01
AI	110+25.4 34.4' R	645.06
AJ	110+27.4 30.7' R	(645.08)
AK	110+37.5 34.9' R	645.60
AL	110+41.8 34.9' R	(645.60)
AM	110+41.9 39.9' R	(645.67)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AN	110+37.6 39.9' R	(645.68)
AO	109+73.5 0.0'	645.34
AP	109+79.6 0.0'	645.34
AQ	109+69.9 19.8' L	(645.12)
AR	109+73.9 19.8' L	(645.09)
AS	109+73.9 20.8' L	645.04
AT	109+73.9 21.4' L	645.08
AU	109+79.9 21.4' L	645.05
AV	109+79.9 20.8' L	645.01
AW	109+79.9 19.8' L	(645.06)
AX	109+83.9 19.8' L	(645.05)
AY	109+65.9 38.6' L	(645.65)
AZ	109+88.4 38.7' L	(645.54)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
BA	109+88.4 33.7' L	(645.52)
BB	109+79.9 33.6' L	645.55
BC	109+73.9 33.6' L	645.57
BD	109+65.9 33.6' L	(645.59)



GHA GEWALT HAMILTON ASSOCIATES, INC.

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DATE - 2/5/2021	REVISD -

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DATE - 2/5/2021	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=5' SHEET 2 OF 10 SHEETS STA. TO STA.

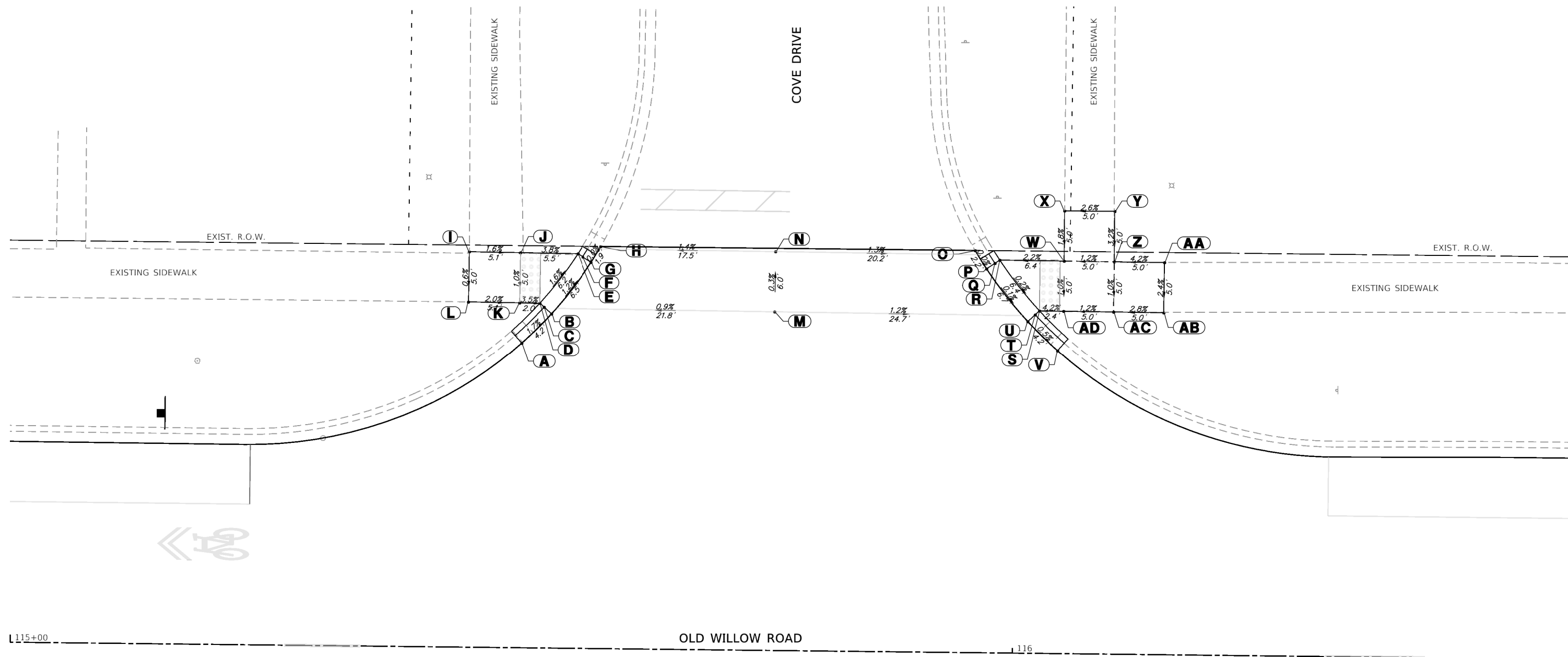
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	34
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	115+50.7	30.4' L	(642.72)
B	115+53.7	33.3' L	(642.65)
C	115+52.9	34.0' L	642.62
D	115+52.5	34.4' L	642.66
E	115+56.2	39.3' L	642.56
F	115+56.7	39.0' L	642.52
G	115+57.5	38.5' L	(642.57)
H	115+58.5	40.1' L	(642.57)
I	115+45.4	39.4' L	(642.86)
J	115+50.5	39.4' L	(642.78)
K	115+50.5	34.4' L	642.73
L	115+45.4	34.4' L	(642.83)
M	115+75.9	33.8' L	(642.84)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
N	115+75.9	39.8' L	(642.82)
O	115+95.9	40.1' L	(642.56)
P	115+97	38.3' L	(642.56)
Q	115+97.8	38.8' L	642.51
R	115+98.3	39.2' L	642.55
S	116+02.3	34.1' L	642.54
T	116+01.9	33.7' L	642.50
U	116+01.2	33.1' L	(642.55)
V	116+04.2	30.2' L	(642.53)
W	116+04.7	39.1' L	642.69
X	116+04.7	44.1' L	(642.78)
Y	116+09.7	44.1' L	(642.91)
Z	116+09.7	39.1' L	642.75

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	116+14.7	39.1' L	(642.96)
AB	116+14.7	34.1' L	(642.84)
AC	116+09.7	34.1' L	642.70
AD	116+04.7	34.1' L	642.64



GHA GEWALT HAMILTON ASSOCIATES, INC.

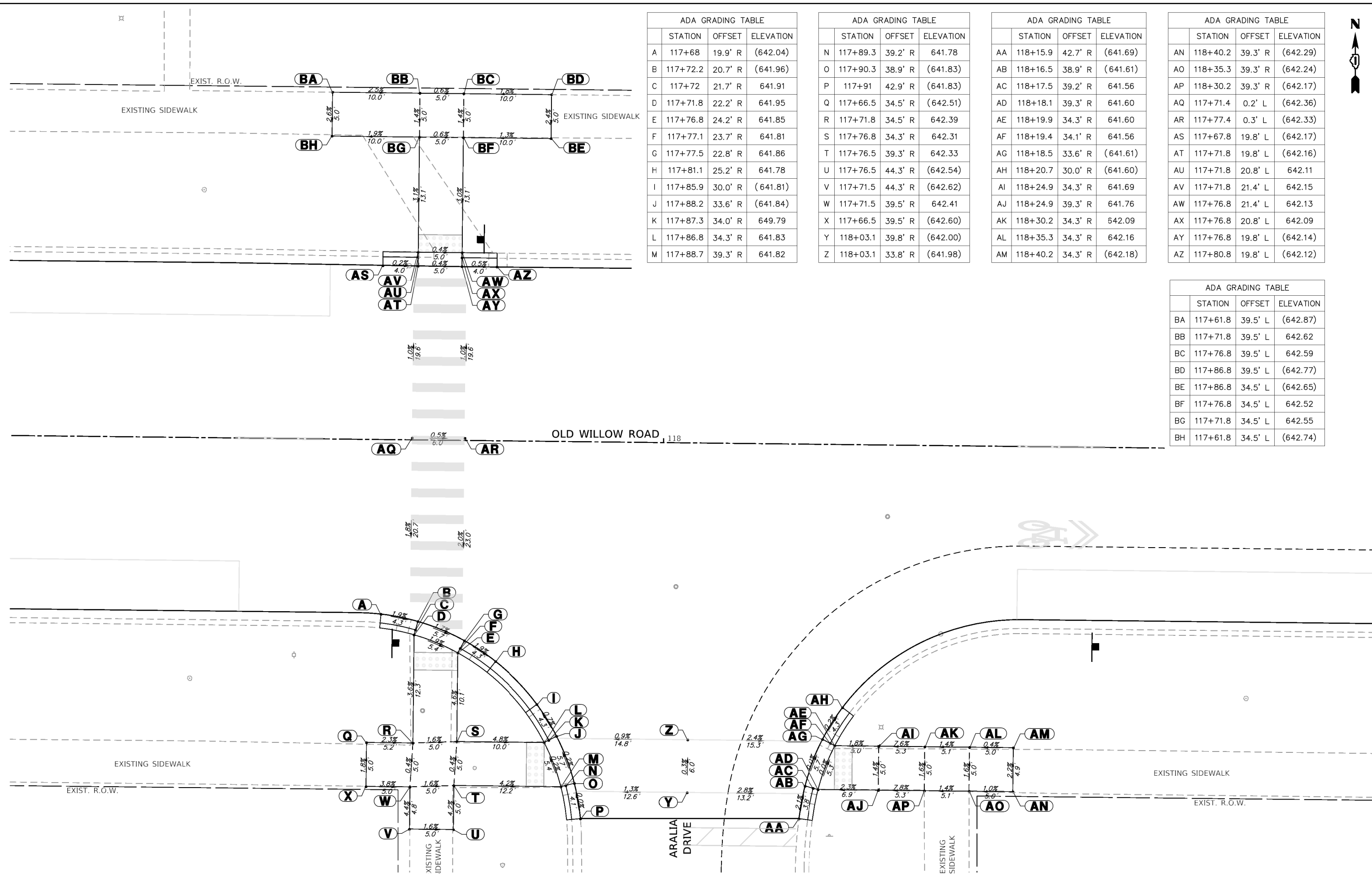
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Default		DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN			
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45			
SCALE: 1"=5'	SHEET 3 OF 10 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	35
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
A	117+68	19.9' R (642.04)
B	117+72.2	20.7' R (641.96)
C	117+72	21.7' R 641.91
D	117+71.8	22.2' R 641.95
E	117+76.8	24.2' R 641.85
F	117+77.1	23.7' R 641.81
G	117+77.5	22.8' R 641.86
H	117+81.1	25.2' R 641.78
I	117+85.9	30.0' R (641.81)
J	117+88.2	33.6' R (641.84)
K	117+87.3	34.0' R 649.79
L	117+86.8	34.3' R 641.83
M	117+88.7	39.3' R 641.82

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
N	117+89.3	39.2' R 641.78
O	117+90.3	38.9' R (641.83)
P	117+91	42.9' R (641.83)
Q	117+66.5	34.5' R (642.51)
R	117+71.8	34.5' R 642.39
S	117+76.8	34.3' R 642.31
T	117+76.5	39.3' R 642.33
U	117+76.5	44.3' R (642.54)
V	117+71.5	44.3' R (642.62)
W	117+71.5	39.5' R 642.41
X	117+66.5	39.5' R (642.60)
Y	118+03.1	39.8' R (642.00)
Z	118+03.1	33.8' R (641.98)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AA	118+15.9	42.7' R (641.69)
AB	118+16.5	38.9' R (641.61)
AC	118+17.5	39.2' R 641.56
AD	118+18.1	39.3' R 641.60
AE	118+19.9	34.3' R 641.60
AF	118+19.4	34.1' R 641.56
AG	118+18.5	33.6' R (641.61)
AH	118+20.7	30.0' R (641.60)
AI	118+24.9	34.3' R 641.69
AJ	118+24.9	39.3' R 641.76
AK	118+30.2	34.3' R 642.09
AL	118+35.3	34.3' R 642.16
AM	118+40.2	34.3' R (642.18)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AN	118+40.2	39.3' R (642.29)
AO	118+35.3	39.3' R (642.24)
AP	118+30.2	39.3' R (642.17)
AQ	117+71.4	0.2' L (642.36)
AR	117+77.4	0.3' L (642.33)
AS	117+67.8	19.8' L (642.17)
AT	117+71.8	19.8' L (642.16)
AU	117+71.8	20.8' L 642.11
AV	117+71.8	21.4' L 642.15
AW	117+76.8	21.4' L 642.13
AX	117+76.8	20.8' L 642.09
AY	117+76.8	19.8' L (642.14)
AZ	117+80.8	19.8' L (642.12)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
BA	117+61.8	39.5' L (642.87)
BB	117+71.8	39.5' L 642.62
BC	117+76.8	39.5' L 642.59
BD	117+86.8	39.5' L (642.77)
BE	117+86.8	34.5' L (642.65)
BF	117+76.8	34.5' L 642.52
BG	117+71.8	34.5' L 642.55
BH	117+61.8	34.5' L (642.74)

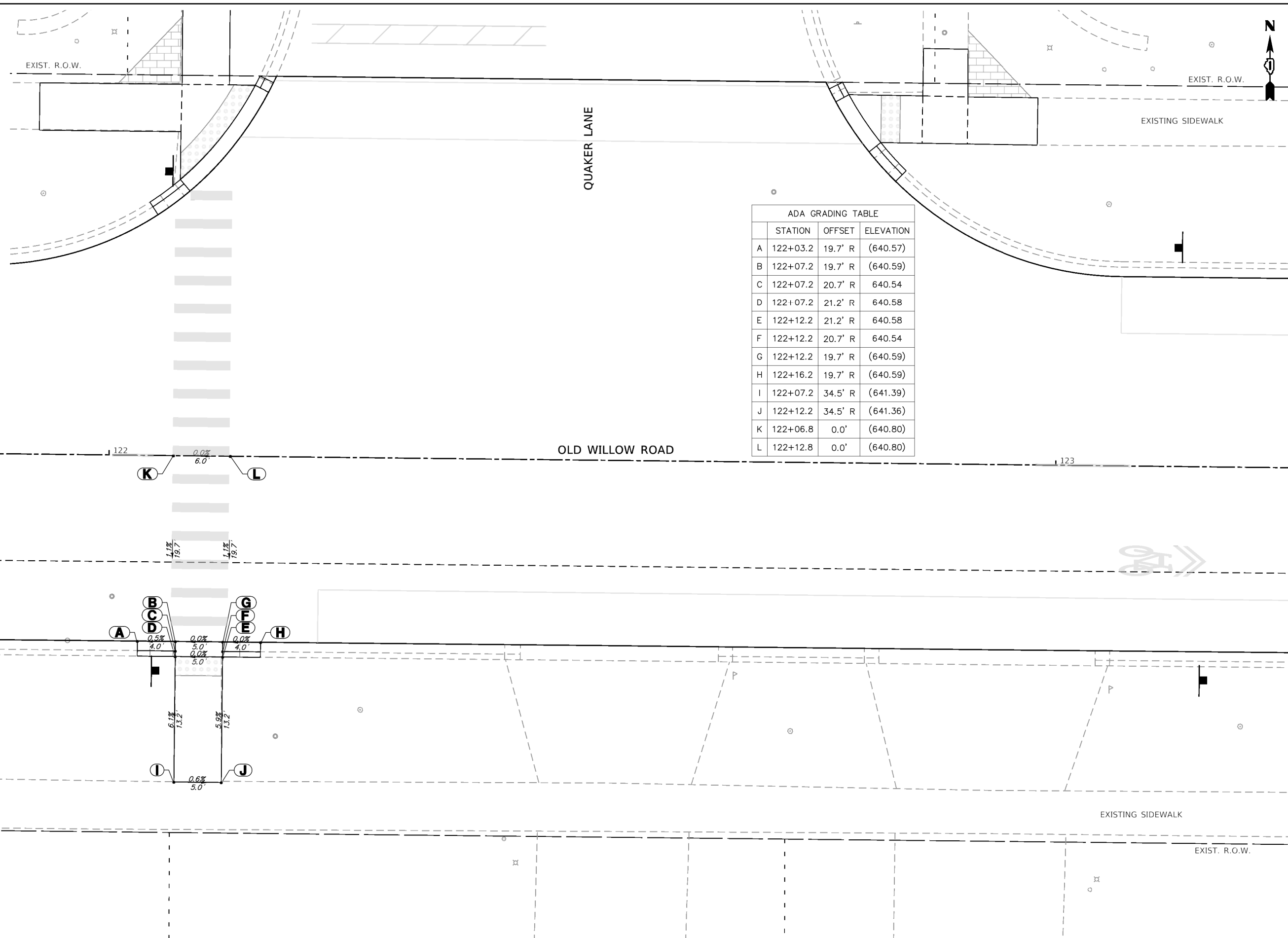
GHA GEWALT HAMILTON ASSOCIATES, INC.
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Default	PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
	PLOT DATE = 2/5/2021	DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
 SCALE: 1"=5' SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.U. RTE. 1662	SECTION 18-00053-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H01	



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	122+03.2	19.7' R	(640.57)
B	122+07.2	19.7' R	(640.59)
C	122+07.2	20.7' R	640.54
D	122+07.2	21.2' R	640.58
E	122+12.2	21.2' R	640.58
F	122+12.2	20.7' R	640.54
G	122+12.2	19.7' R	(640.59)
H	122+16.2	19.7' R	(640.59)
I	122+07.2	34.5' R	(641.39)
J	122+12.2	34.5' R	(641.36)
K	122+06.8	0.0'	(640.80)
L	122+12.8	0.0'	(640.80)

GHA GEWALT HAMILTON
 ASSOCIATES, INC.

MODEL: D:\default
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4755.067		CHECKED - KLB	REVISED -
Default		DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=5' SHEET 5 OF 10 SHEETS STA. TO STA.

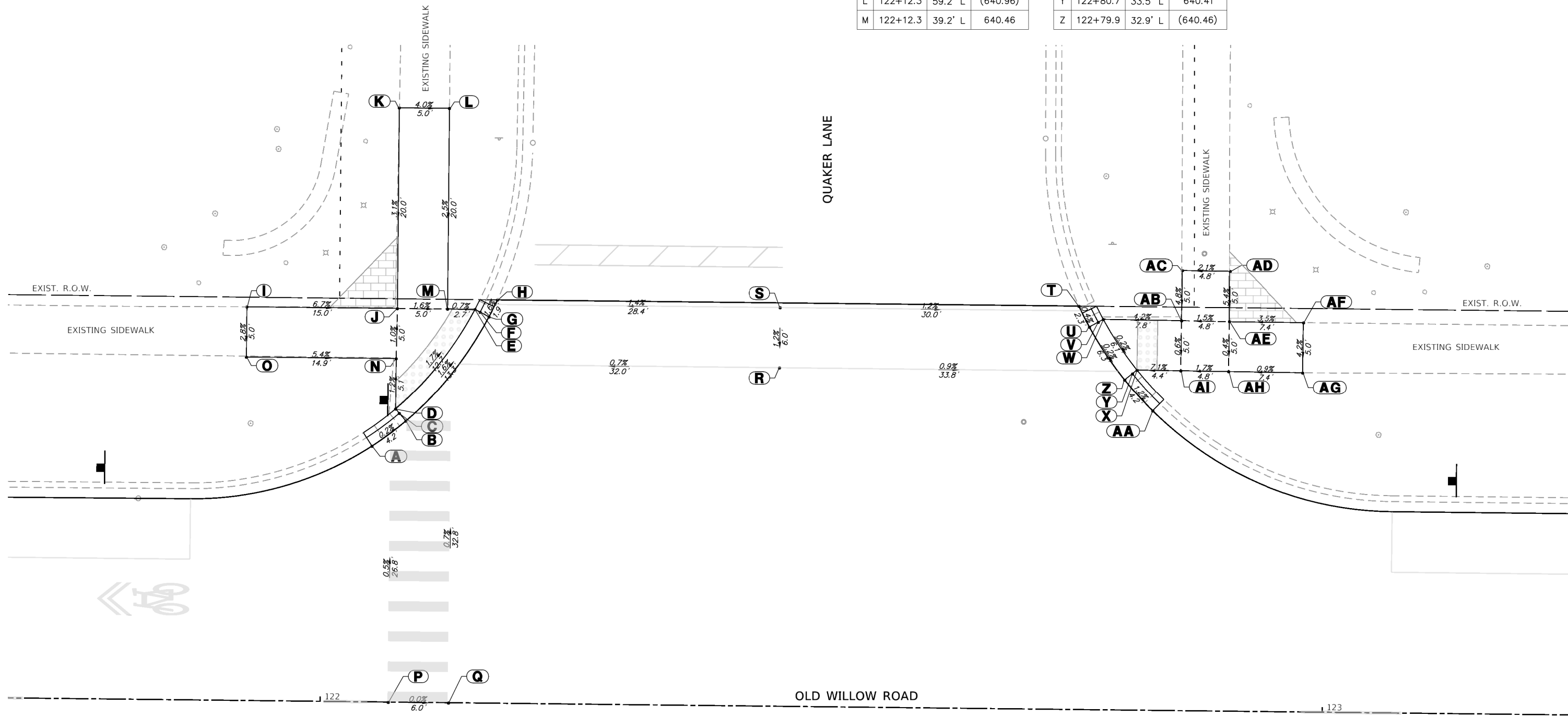
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	37
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	122+04.9	25.5' L	(640.65)
B	122+08.3	28.0' L	(640.66)
C	122+07.6	28.8' L	640.61
D	122+07.2	29.2' L	640.65
E	122+15	39.2' L	640.44
F	122+15.5	39.0' L	640.40
G	122+16.4	38.5' L	(640.45)
H	122+17.2	40.2' L	(640.42)
I	121+92.3	39.2' L	(641.54)
J	122+07.3	39.2' L	640.54
K	122+07.3	59.2' L	(641.16)
L	122+12.3	59.2' L	(640.96)
M	122+12.3	39.2' L	640.46

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
N	122+07.2	34.2' L	640.59
O	121+92.3	34.2' L	(641.40)
P	122+06.8	0.0'	640.80
Q	122+12.8	0.0'	640.80
R	122+45.5	33.7' L	(640.76)
S	122+45.5	39.7' L	(640.83)
T	122+75.3	40.2' L	(640.48)
U	122+76.3	38.1' L	(640.47)
V	122+77.2	38.6' L	640.42
W	122+77.7	38.9' L	640.46
X	122+81.1	33.9' L	640.45
Y	122+80.7	33.5' L	640.41
Z	122+79.9	32.9' L	(640.46)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	122+82.7	29.8' L	(640.41)
AB	122+85.5	38.9' L	640.79
AC	122+85.5	43.9' L	(641.03)
AD	122+90.3	43.8' L	(641.13)
AE	122+90.3	38.8' L	640.86
AF	122+97.7	38.8' L	(641.12)
AG	122+97.7	33.8' L	(640.91)
AH	122+90.2	33.9' L	640.84
AI	122+85.5	33.9' L	640.76



GHA GEWALT HAMILTON ASSOCIATES, INC.

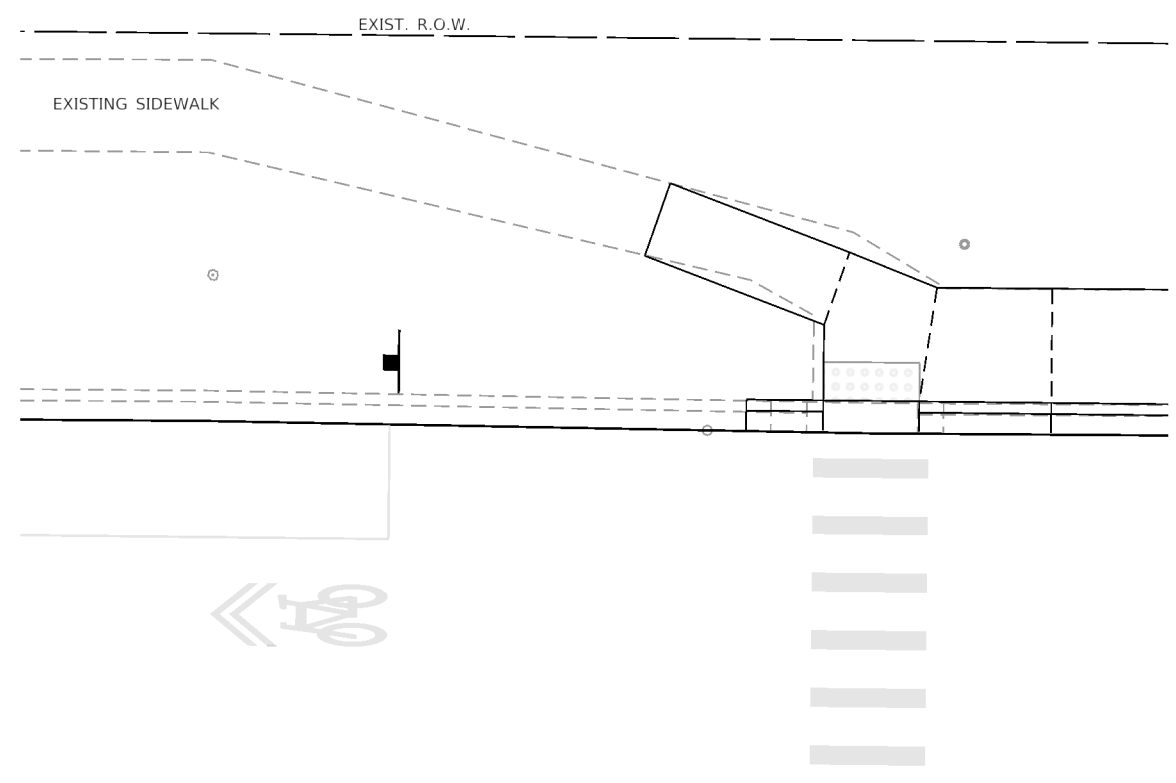
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Default		DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN	
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45	
SCALE: 1"=5'	SHEET 6 OF 10 SHEETS
STA. _____	TO STA. _____

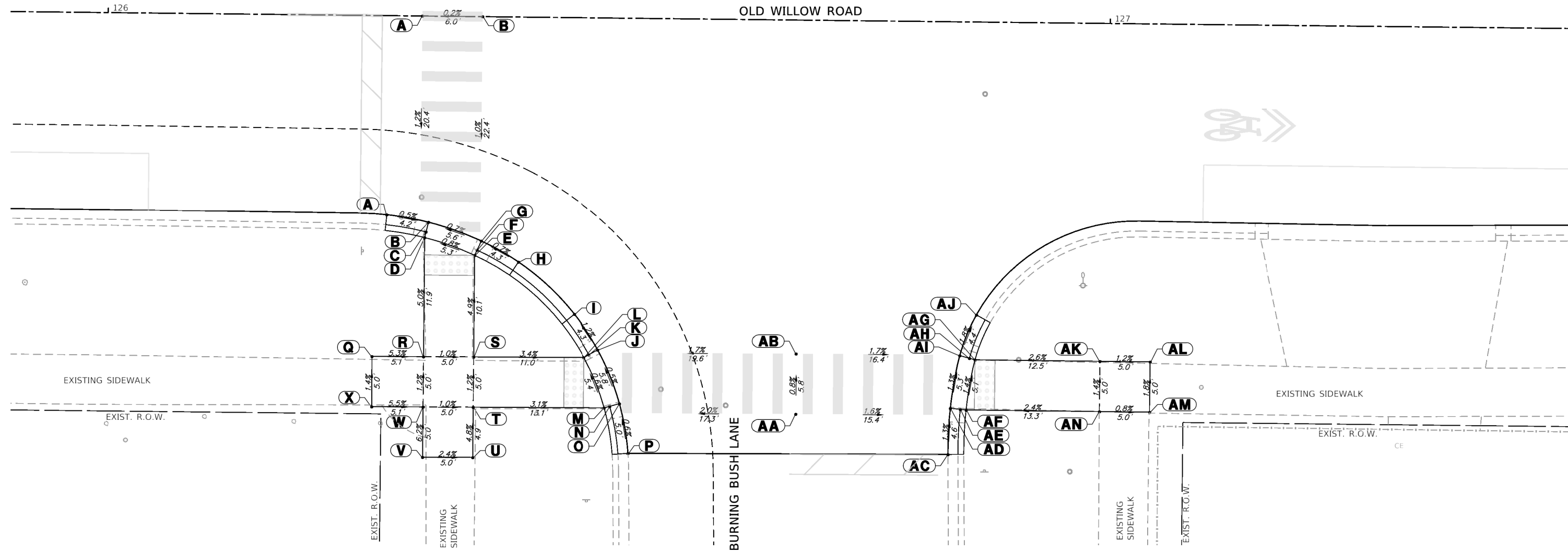
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	38
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	126+28	19.9' R	(638.99)
B	126+32.2	20.6' R	(638.97)
C	126+32	21.6' R	638.92
D	126+31.8	22.1' R	638.96
E	126+36.8	23.8' R	639.00
F	126+37.1	23.3' R	638.96
G	126+37.5	22.4' R	(639.01)
H	126+41.2	24.5' R	(639.04)
I	126+46.8	29.6' R	(639.09)
J	126+49.2	33.1' R	(639.14)
K	126+48.4	33.6' R	639.09
L	126+47.9	33.9' R	639.13
M	126+49.9	38.9' R	639.16

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
N	126+50.5	38.7' R	639.12
O	126+51.5	38.4' R	(639.17)
P	126+52.4	43.4' R	(639.20)
Q	126+26.7	34.0' R	(639.82)
R	126+31.8	34.0' R	639.55
S	126+36.8	33.9' R	639.50
T	126+36.9	38.9' R	639.56
U	126+36.9	43.9' R	(639.80)
V	126+31.9	44.0' R	(639.92)
W	126+31.9	39.0' R	639.61
X	126+26.7	39.0' R	(639.89)
Y	126+31.4	0.0'	(639.22)
Z	126+37.4	0.0'	(639.23)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	126+69	39.3' R	(639.53)
AB	126+69	33.3' R	(639.48)
AC	126+84.3	43.1' R	(639.33)
AD	126+84.5	38.5' R	(639.27)
AE	126+85.5	38.6' R	639.22
AF	126+86	38.7' R	639.26
AG	126+86.9	33.7' R	639.19
AH	126+86.3	33.5' R	639.15
AI	126+85.3	33.3' R	(639.20)
AJ	126+87	29.2' R	(639.12)
AK	126+99.3	33.7' R	639.51
AL	127+04.3	33.7' R	(639.45)
AM	127+04.3	38.7' R	(639.54)
AN	126+99.3	38.7' R	(639.58)



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
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Default		CHECKED - KLB	REVISED -
		DATE - 2/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=5' SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	39
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				

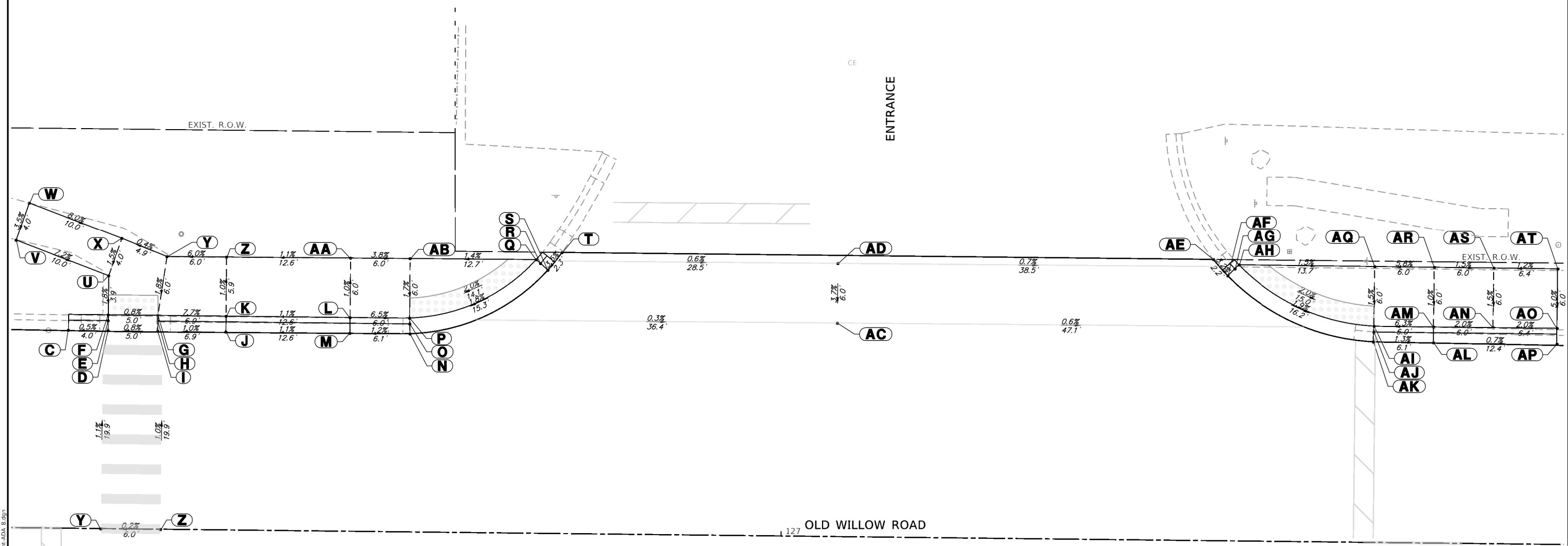


ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	126+31.4	0.0'	(639.22)
B	126+37.4	0.0'	(639.23)
C	126+27.9	19.9' L	(639.01)
D	126+31.9	19.9' L	(638.99)
E	126+31.9	20.9' L	638.94
F	126+31.9	21.5' L	638.98
G	126+36.9	21.5' L	639.02
H	126+36.9	20.9' L	638.98
I	126+36.9	19.9' L	(639.03)
J	126+43.7	19.9' L	639.10
K	126+43.7	21.5' L	639.55
L	126+56.3	21.5' L	639.69
M	126+56.3	19.9' L	639.24

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
N	126+62.4	19.9' L	639.31
O	126+62.3	20.9' L	639.26
P	126+62.3	21.5' L	639.30
Q	126+75	27.5' L	639.58
R	126+75.4	27.2' L	639.54
S	126+76.2	26.5' L	639.59
T	126+77.6	28.3' L	(639.67)
U	126+31.9	25.4' L	639.05
V	126+22.5	28.9' L	(639.77)
W	126+23.8	32.7' L	(639.91)
X	126+33.2	29.2' L	639.11
Y	126+37.7	27.4' L	639.13
Z	126+43.7	27.5' L	639.49

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	126+56.3	27.5' L	639.63
AB	126+62.3	27.5' L	639.40
AC	127+05.4	21.5' L	(639.25)
AD	127+05.4	27.5' L	(639.47)
AE	127+43.3	28.3' L	(639.23)
AF	127+44.8	26.7' L	(639.16)
AG	127+45.5	27.4' L	639.11
AH	127+45.9	27.8' L	639.15
AI	127+59.6	21.8' L	638.85
AJ	127+59.6	21.2' L	638.81
AK	127+59.6	20.2' L	638.86
AL	127+65.6	20.2' L	638.78
AM	127+65.6	21.7' L	639.23

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AN	127+71.6	21.7' L	639.11
AO	127+78.1	21.7' L	(638.98)
AP	127+78.1	20.2' L	(638.69)
AQ	127+59.6	27.8' L	638.94
AR	127+65.6	27.8' L	639.29
AS	127+71.6	27.7' L	639.20
AT	127+78.1	27.7' L	(638.28)



GHA GEWALT HAMILTON
 ASSOCIATES, INC.

FILE NAME = 4755.067-sht-ADA 8.dgn
 USER NAME = dolesak
 DESIGNED - MGFC
 DRAWN - GHA
 CHECKED - KLB
 DATE - 2/5/2021

PLOT SCALE = 1:10
 PLOT DATE = 2/5/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=5'
 SHEET 8 OF 10 SHEETS
 STA. TO STA.

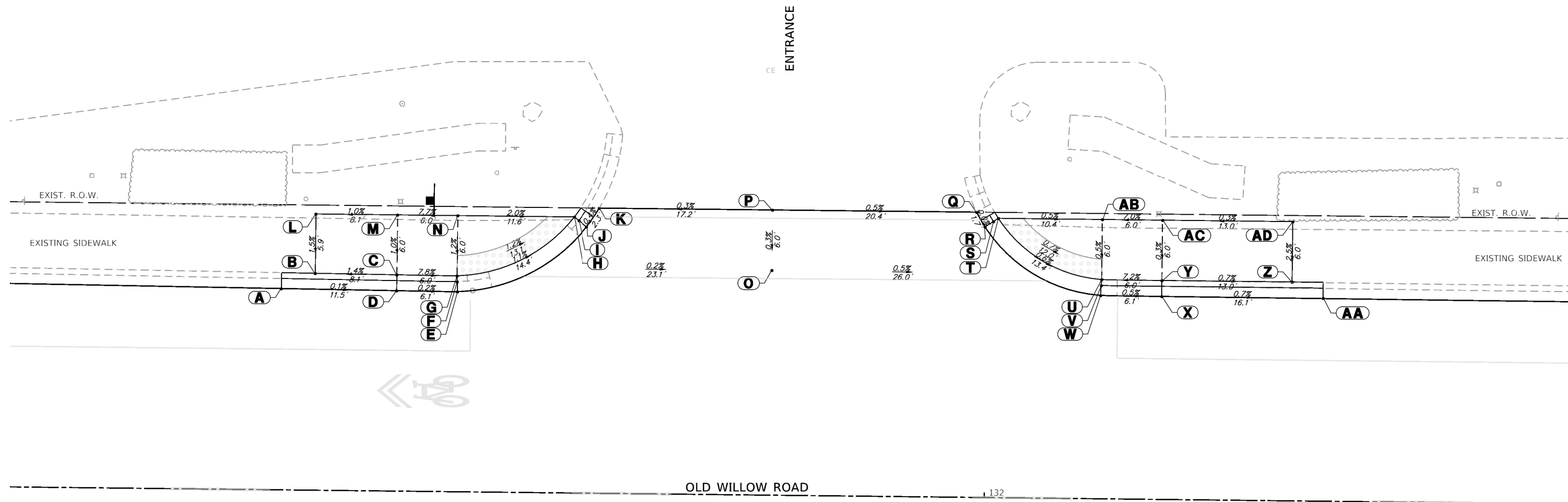
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	40
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	131+29.7	20.0' L	(639.44)
B	131+33	21.6' L	(639.77)
C	131+41.2	21.5' L	639.88
D	131+41.1	19.9' L	(639.43)
E	131+47.2	19.9' L	(639.42)
F	131+47.2	20.9' L	639.37
G	131+47.2	21.5' L	639.41
H	131+58.8	27.5' L	639.25
I	131+59.3	27.1' L	639.21
J	131+60	26.5' L	(639.26)
K	131+61.3	28.4' L	(639.27)
L	131+33	27.5' L	(639.86)
M	131+41.2	27.5' L	639.94

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
N	131+47.2	27.5' L	639.48
O	131+78.5	22.4' L	(639.30)
P	131+78.5	28.4' L	(639.32)
Q	131+98.9	28.4' L	(639.22)
R	131+99.8	26.9' L	(639.22)
S	132+00.6	27.5' L	639.17
T	132+01.1	27.8' L	639.21
U	132+11.5	21.8' L	639.13
V	132+11.4	21.2' L	639.09
W	132+11.4	20.2' L	(639.14)
X	132+17.5	20.2' L	(639.11)
Y	132+17.5	21.8' L	639.56
Z	132+30.5	21.8' L	(639.47)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	132+33.6	20.2' L	(639.00)
AB	132+11.5	27.8' L	639.16
AC	132+17.5	27.8' L	639.58
AD	132+30.5	27.8' L	(639.62)



GHA GEWALT HAMILTON ASSOCIATES, INC.
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

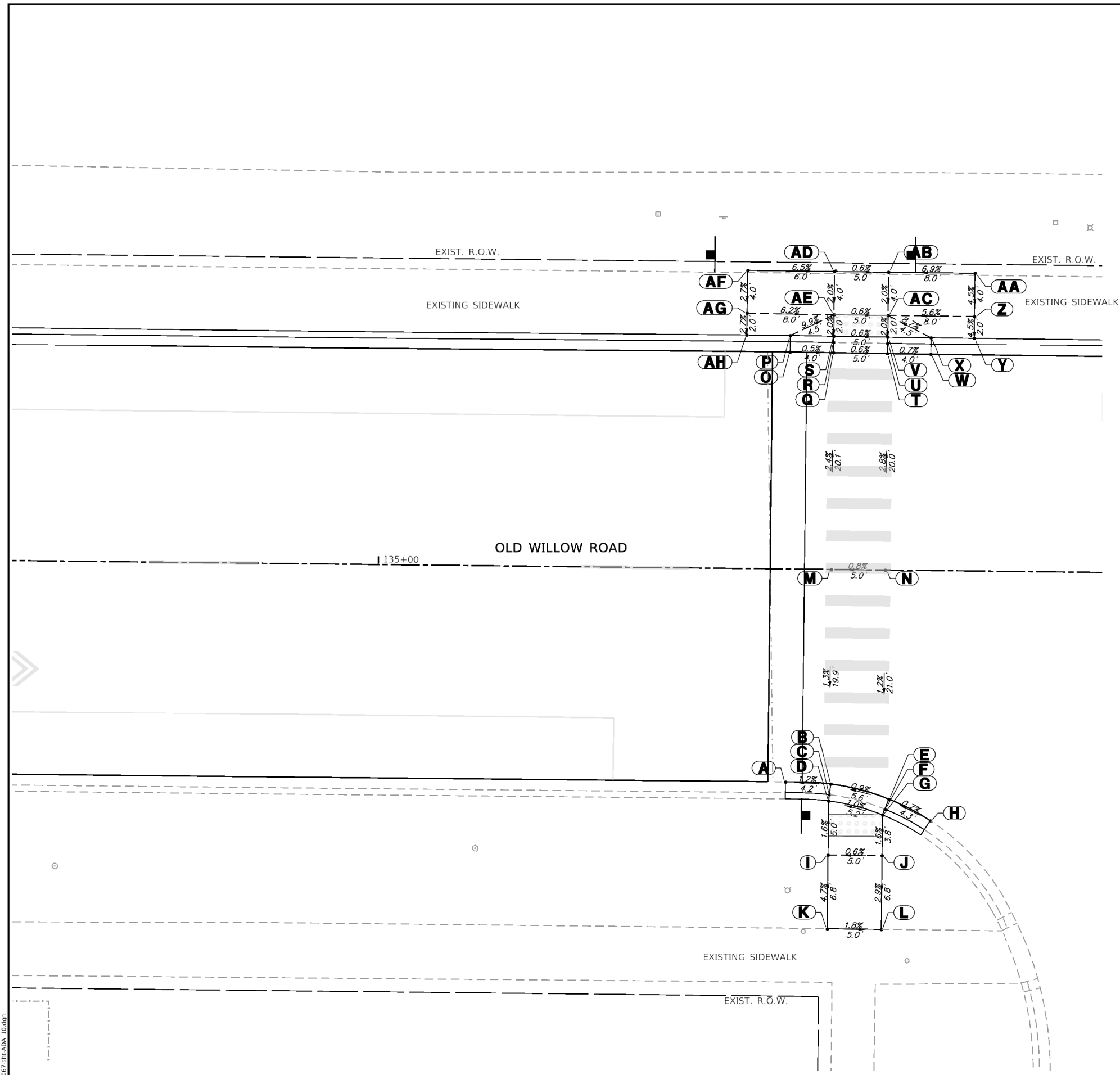
ADA GRADING PLAN			
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45			
SCALE: 1"=5'	SHEET 9 OF 10 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	41
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	135+37.9	19.7' R	(639.25)
B	135+42.1	19.9' R	(639.30)
C	135+42	20.9' R	639.25
D	135+41.9	21.5' R	639.29
E	135+47.5	21.2' R	(639.35)
F	135+47.2	22.2' R	639.30
G	135+46.9	22.7' R	639.34
H	135+51.4	23.2' R	(639.38)
I	135+41.9	26.5' R	639.37
J	135+46.9	26.5' R	639.40
K	135+41.9	33.3' R	(639.69)
L	135+46.9	33.3' R	(639.60)
M	135+41.9	0.0'	(639.56)
N	135+46.9	0.0'	(639.60)
O	135+37.9	20.1' L	(639.09)
P	135+37.9	21.7' L	639.54
Q	135+41.9	20.1' L	(639.07)
R	135+41.9	21.1' L	639.02
S	135+41.9	21.6' L	639.06
T	135+46.9	20.0' L	(639.04)
U	135+46.9	21.0' L	638.99
V	135+46.9	21.6' L	639.03
W	135+50.9	20.0' L	(639.01)
X	135+50.9	21.6' L	639.46
Y	135+54.9	21.6' L	(639.43)
Z	135+54.9	23.6' L	(639.52)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	135+54.9	27.6' L	(639.70)
AB	135+47	27.6' L	639.15
AC	135+47	23.6' L	639.07
AD	135+42	27.6' L	639.18
AE	135+42	23.6' L	639.10
AF	135+33.9	27.6' L	(639.70)
AG	135+33.9	23.7' L	(639.60)
AH	135+33.9	21.7' L	(639.54)



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 4755.067-sht-ADA 10.dgn

FILE NAME =	USER NAME = dolesak	DESIGNED - MGFC	REVISED -
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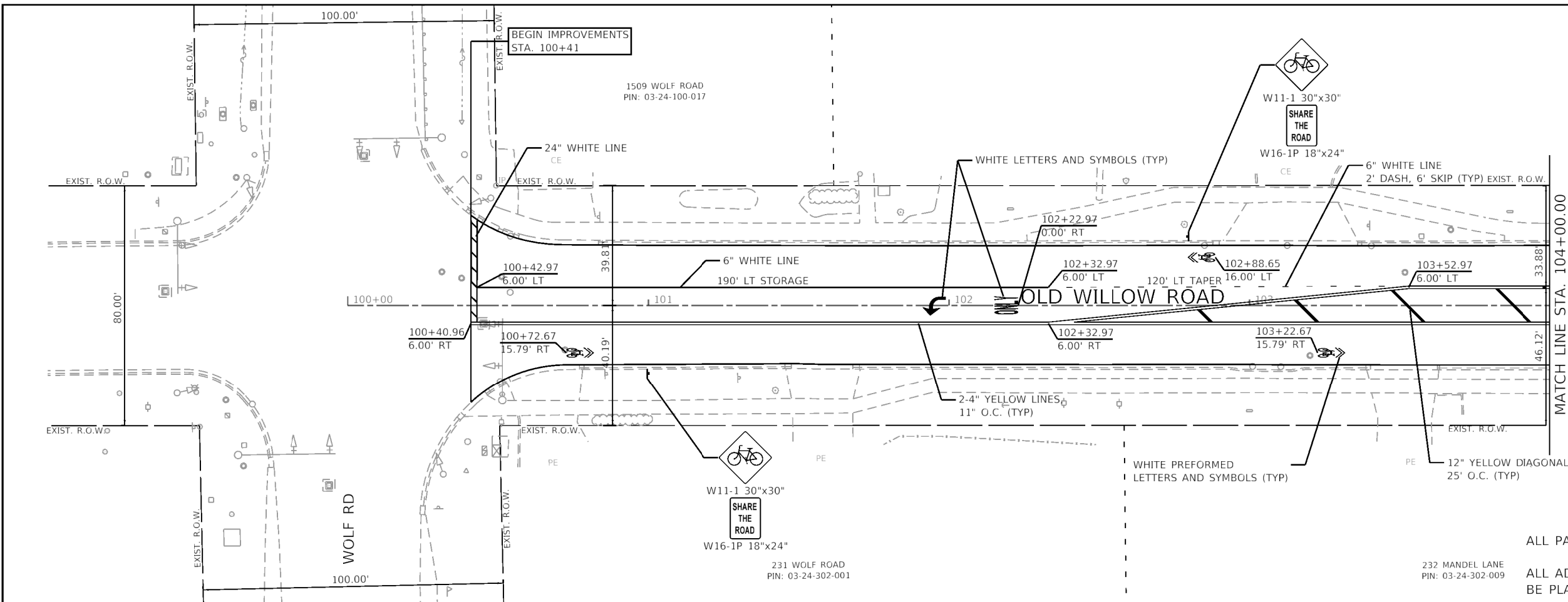
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45

SCALE: 1"=5' SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	42
CONTRACT NO. 61H01				

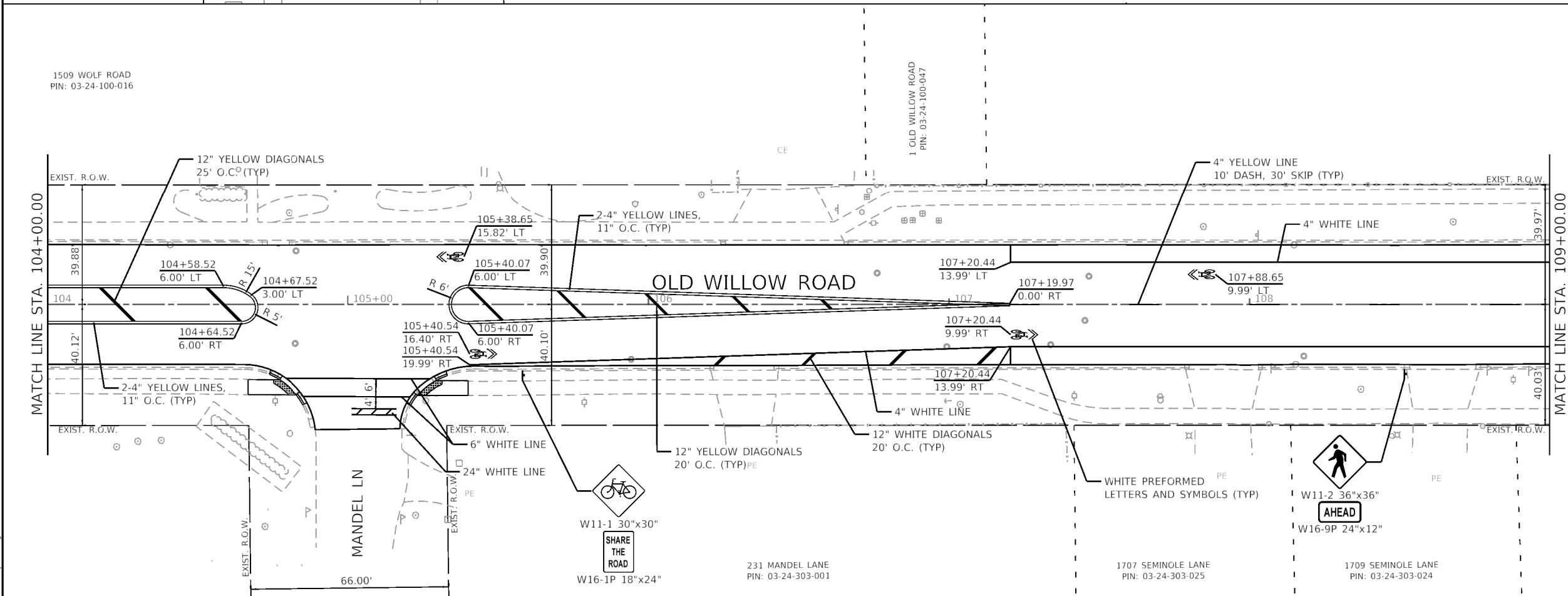
ILLINOIS FED. AID PROJECT



LEGEND

	METAL POST - TYPE A
	SIGN PANEL - TYPE 1

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC
 ALL ADVANCE WARNING W16-9P SIGNS SHALL BE PLACED 100' BEFORE CROSSWALK



GHA GEWALT HAMILTON ASSOCIATES, INC.

FILE NAME =	USER NAME = dolasek
4755-067-sht.pmk 1.dgn	
4755.067	
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DESIGNED - MGFC	REVISD -
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CHECKED - KLB	REVISD -
DATE - 2/5/2021	REVISD -

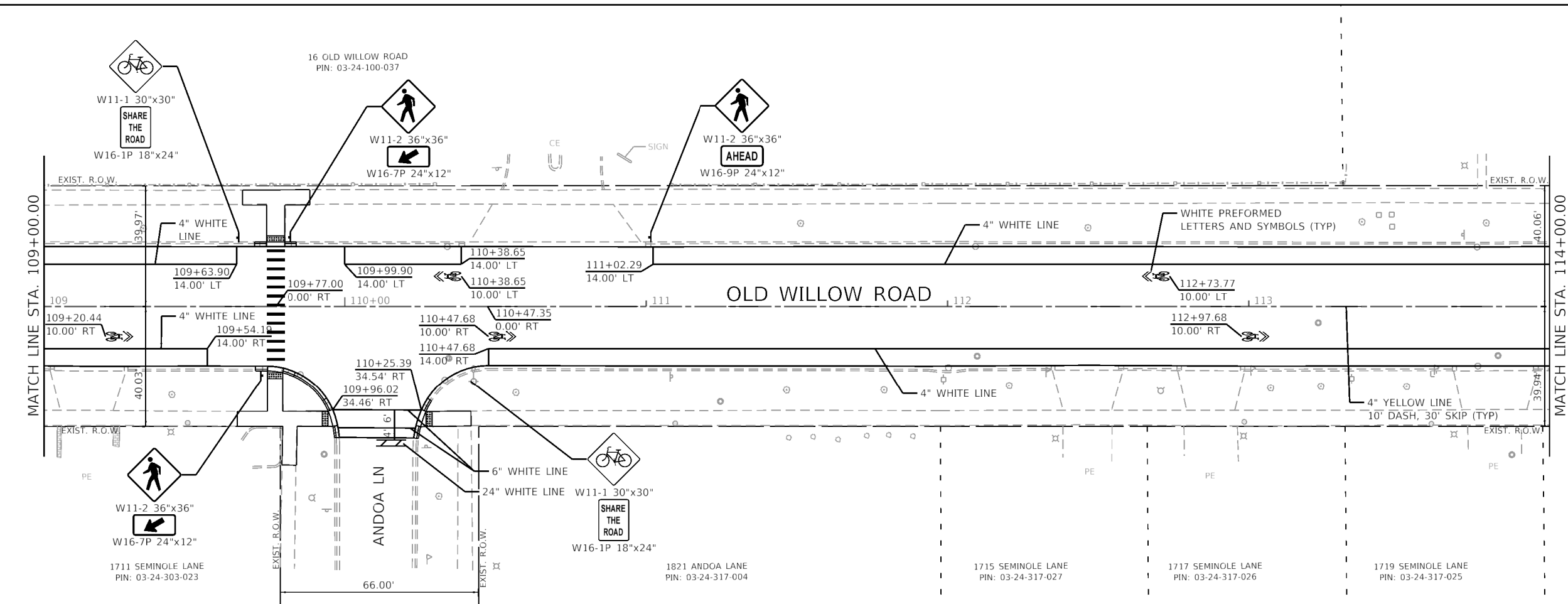
PLT SCALE = 1:40
PLT DATE = 2/5/2021

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
 OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	43
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				

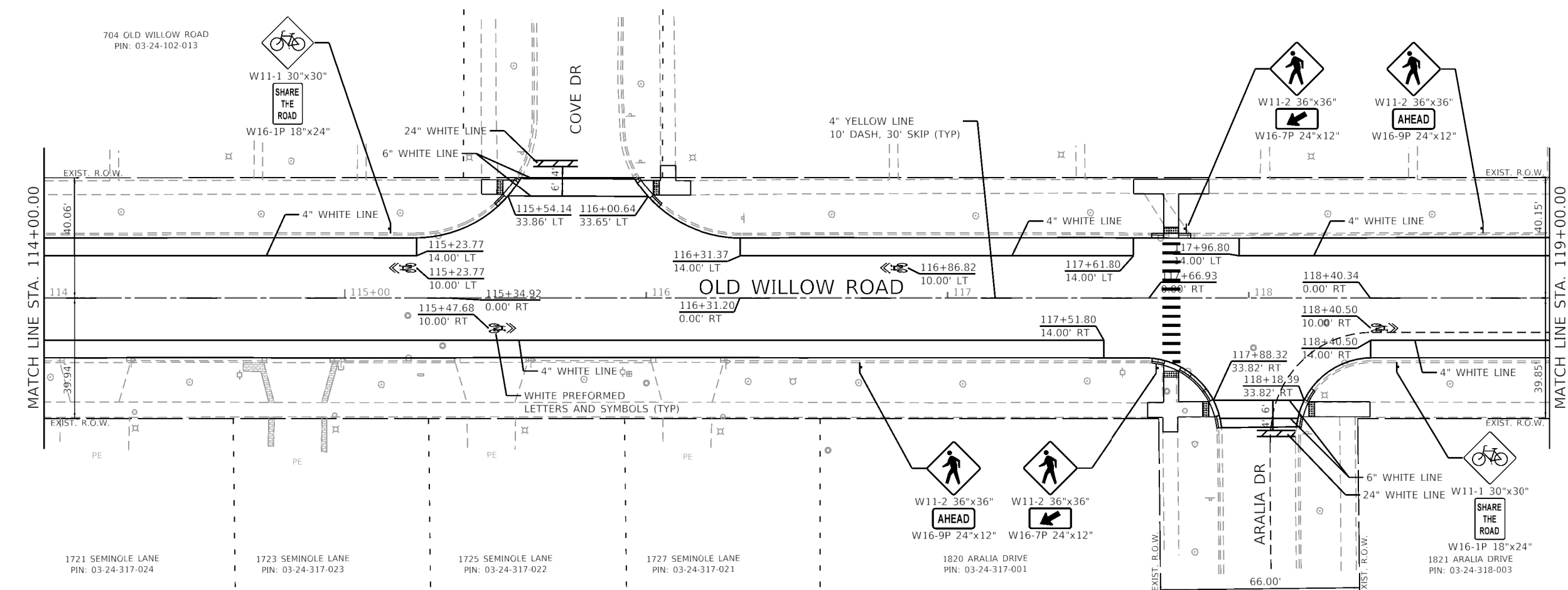


LEGEND

— T — METAL POST - TYPE A
 — [] — SIGN PANEL - TYPE 1

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC

ALL ADVANCE WARNING W16-9P SIGNS SHALL BE PLACED 100' BEFORE CROSSWALK



GHA GEWALT HAMILTON ASSOCIATES, INC.
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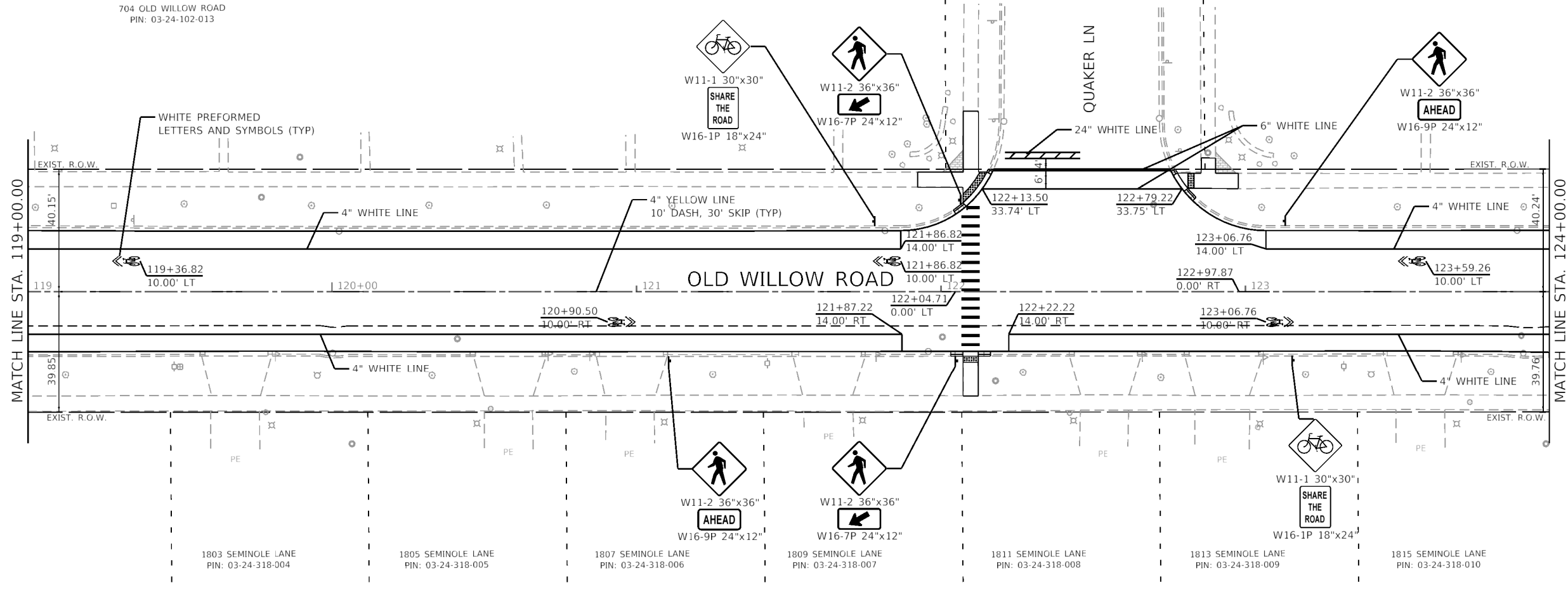
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4755.067	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 2/5/2021	DATE - 2/5/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS	
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45	
SCALE: 1"=20'	SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	44
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				

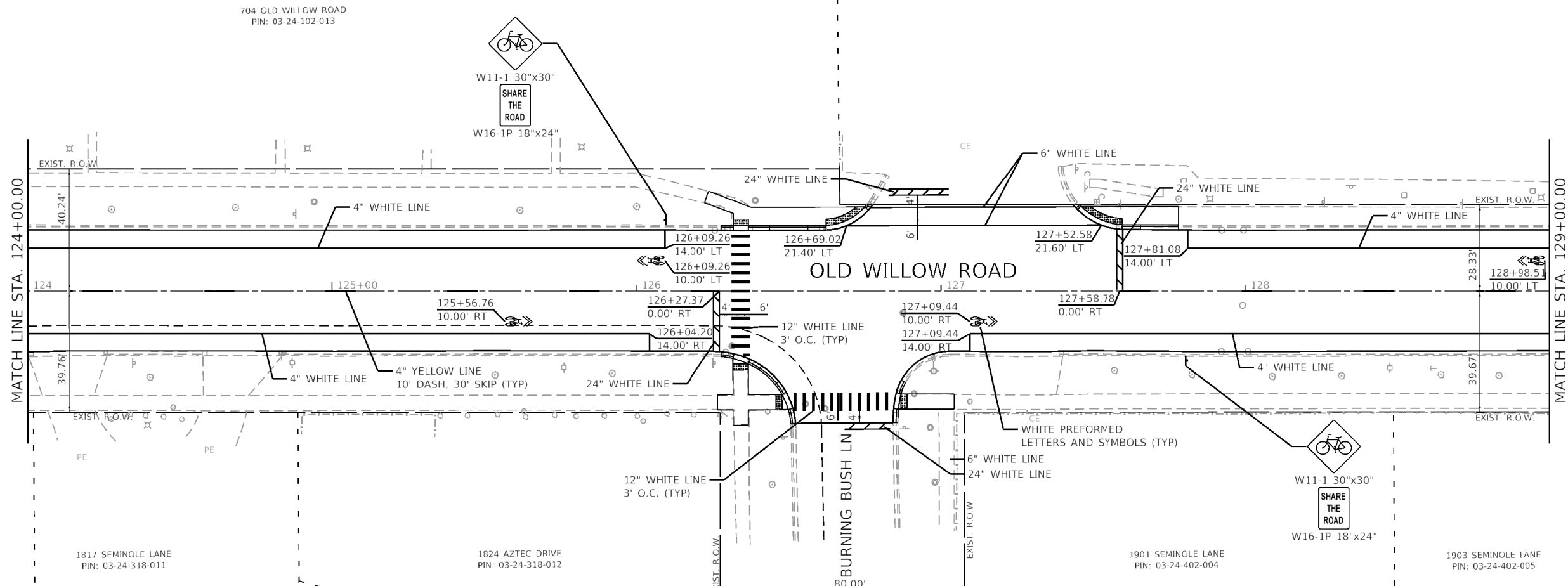
704 OLD WILLOW ROAD
PIN: 03-24-102-013



LEGEND
 METAL POST - TYPE A
 SIGN PANEL - TYPE 1

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC
 ALL ADVANCE WARNING W16-9P SIGNS SHALL BE PLACED 100' BEFORE CROSSWALK

704 OLD WILLOW ROAD
PIN: 03-24-102-013



GHA GEWALT HAMILTON
ASSOCIATES, INC.

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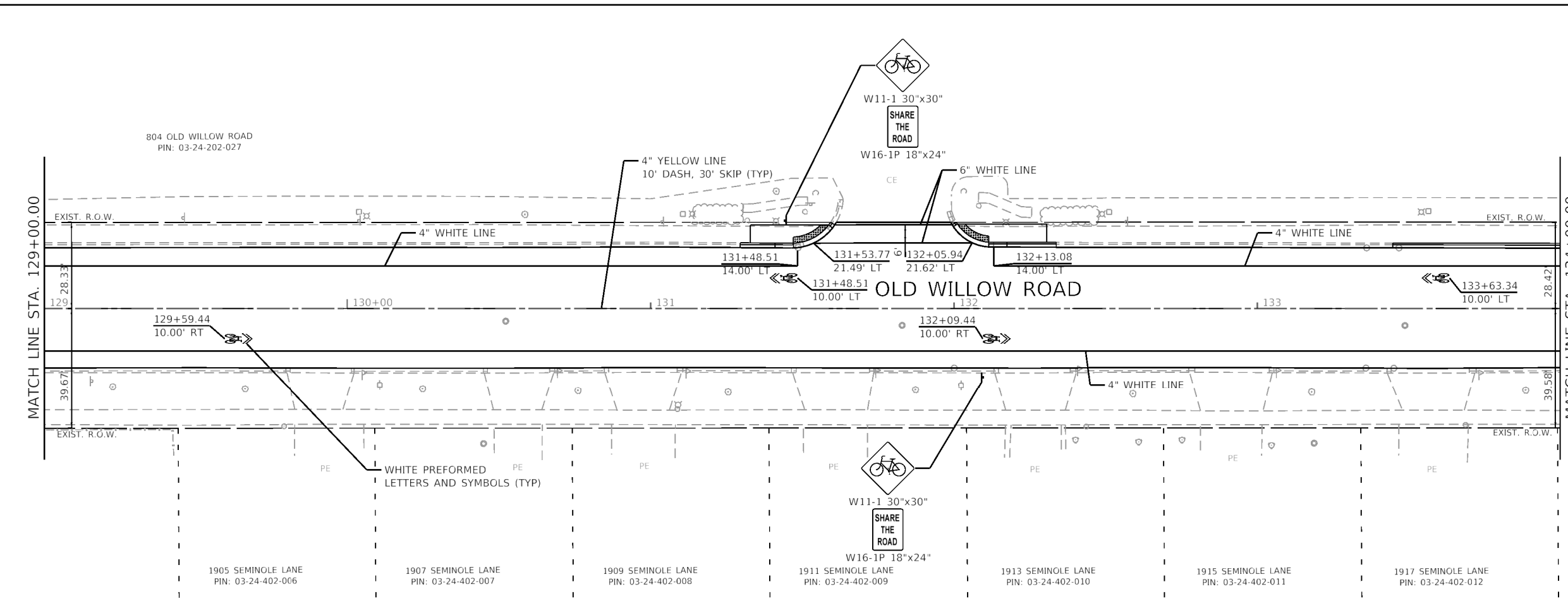
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REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
 SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	45
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				

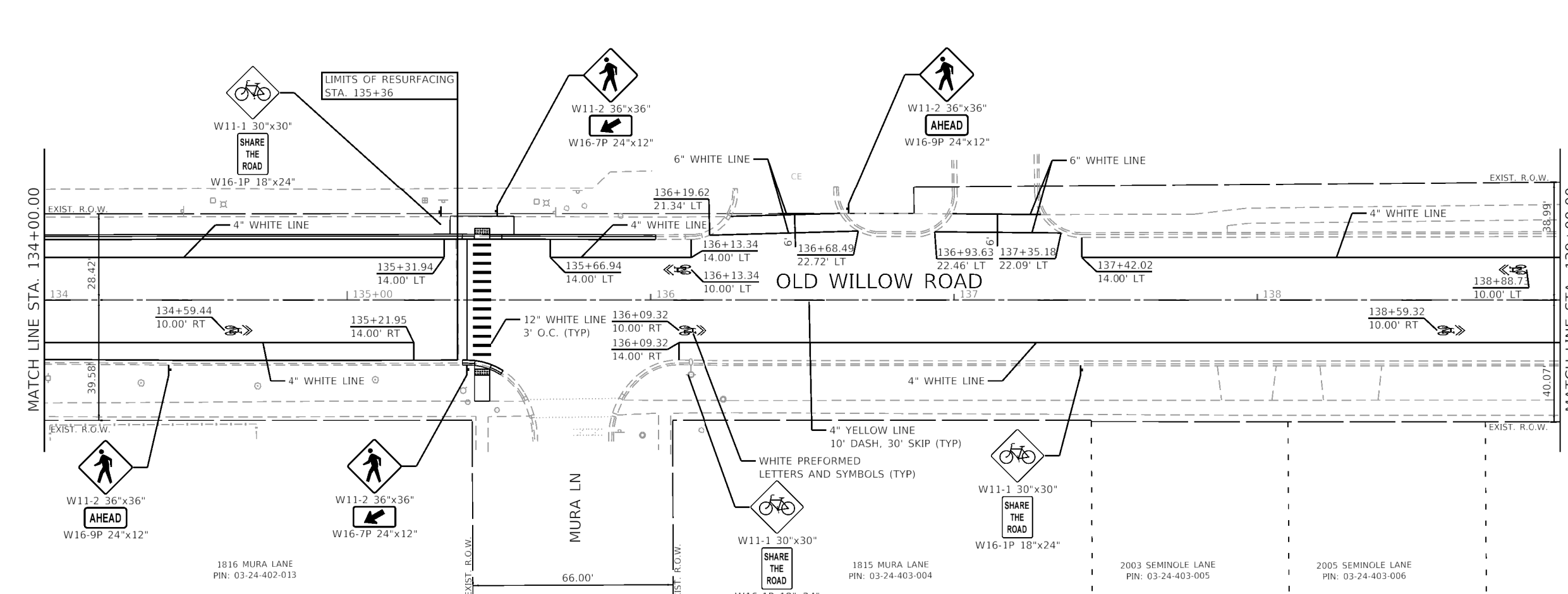


LEGEND

METAL POST - TYPE A
 SIGN PANEL - TYPE 1

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC

ALL ADVANCE WARNING W16-9P SIGNS SHALL BE PLACED 100' BEFORE CROSSWALK



GHA GEWALT HAMILTON ASSOCIATES, INC.

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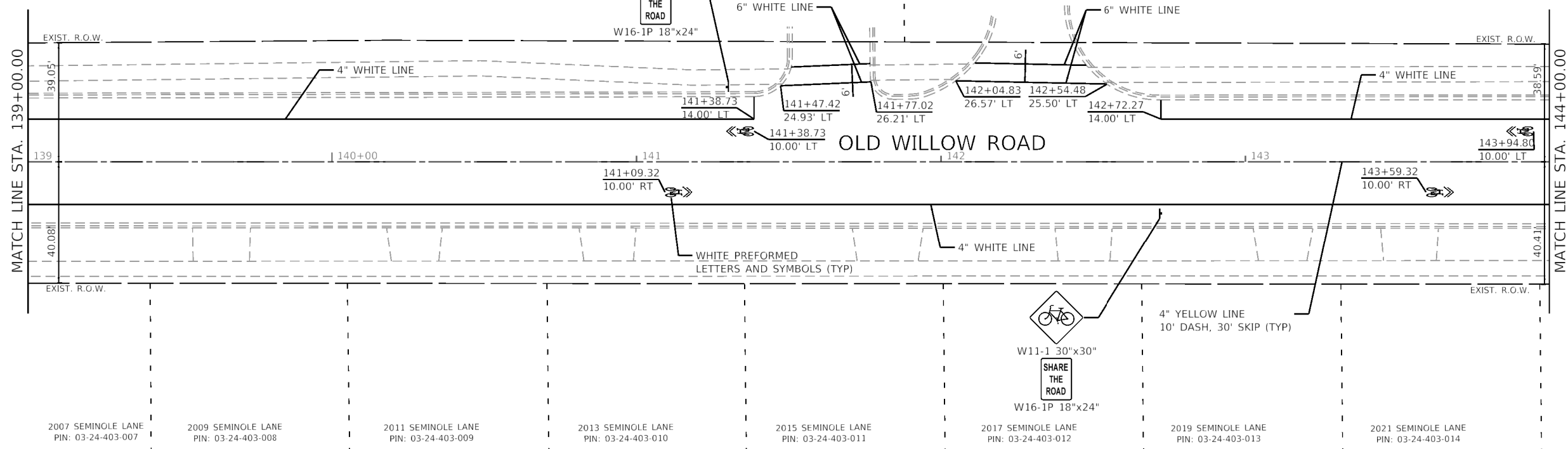
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
 OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	46
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



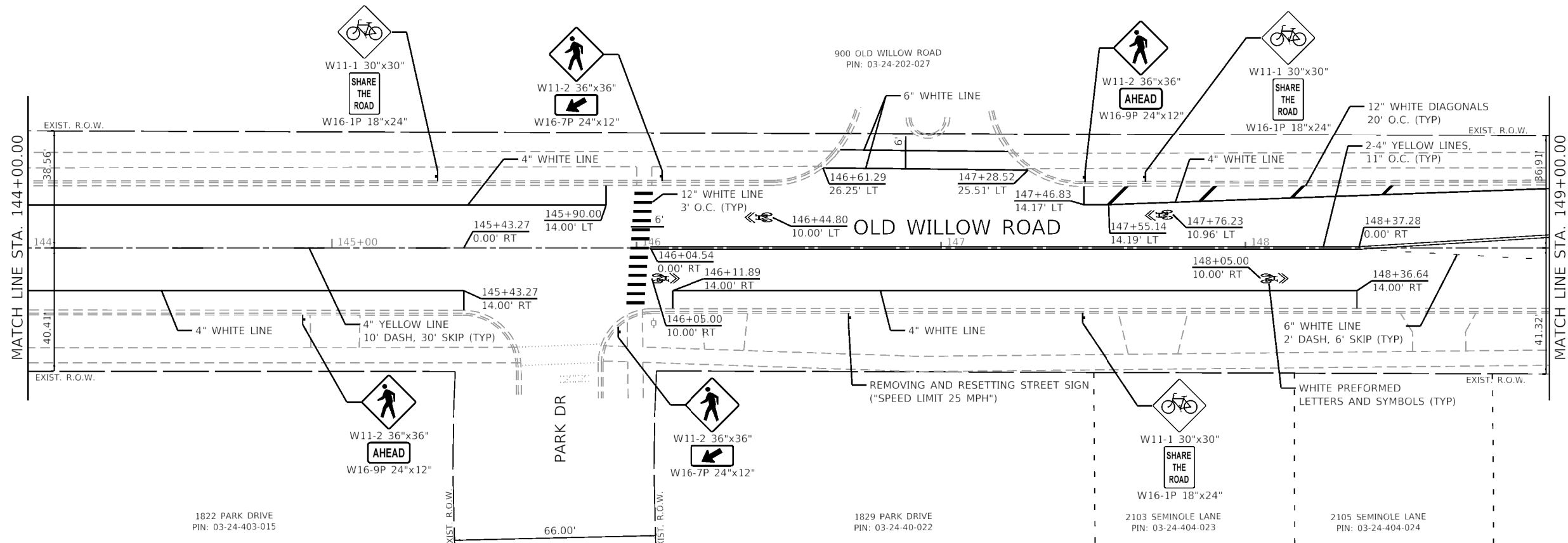
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METAL POST - TYPE A

SIGN PANEL - TYPE 1

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC

ALL ADVANCE WARNING W16-9P SIGNS SHALL BE PLACED 100' BEFORE CROSSWALK



GHA GEWALT HAMILTON ASSOCIATES, INC.

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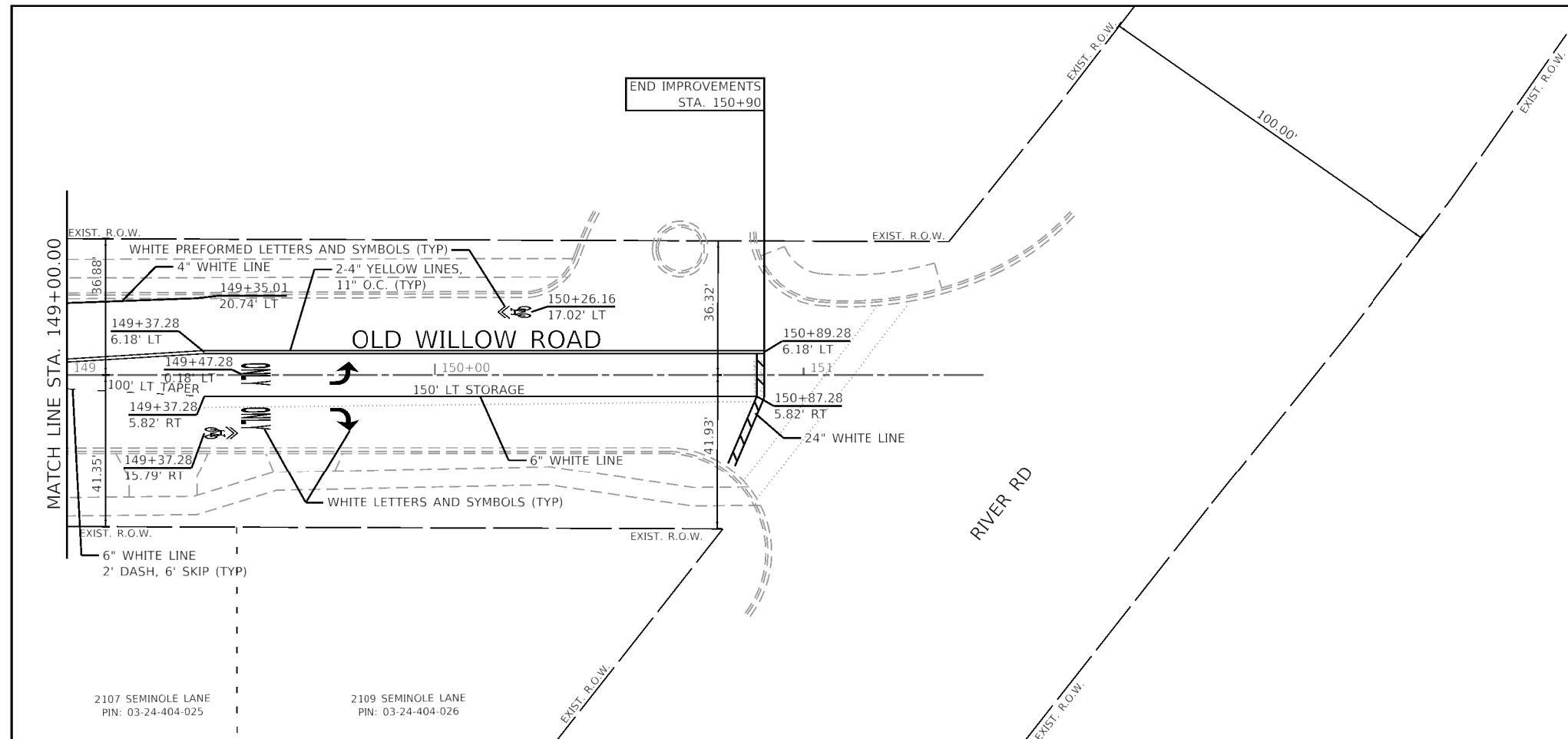
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REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS
OLD WILLOW ROAD - WOLF ROAD TO US RTE 45
 SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	47
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



LEGEND

-  METAL POST - TYPE A
-  SIGN PANEL - TYPE 1

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC
 ALL ADVANCE WARNING W16-9P SIGNS SHALL BE PLACED 100' BEFORE CROSSWALK

GHA GEWALT HAMILTON ASSOCIATES, INC.

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DRAWN - GHA	REVISED -
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DATE - 2/5/2021	REVISED -

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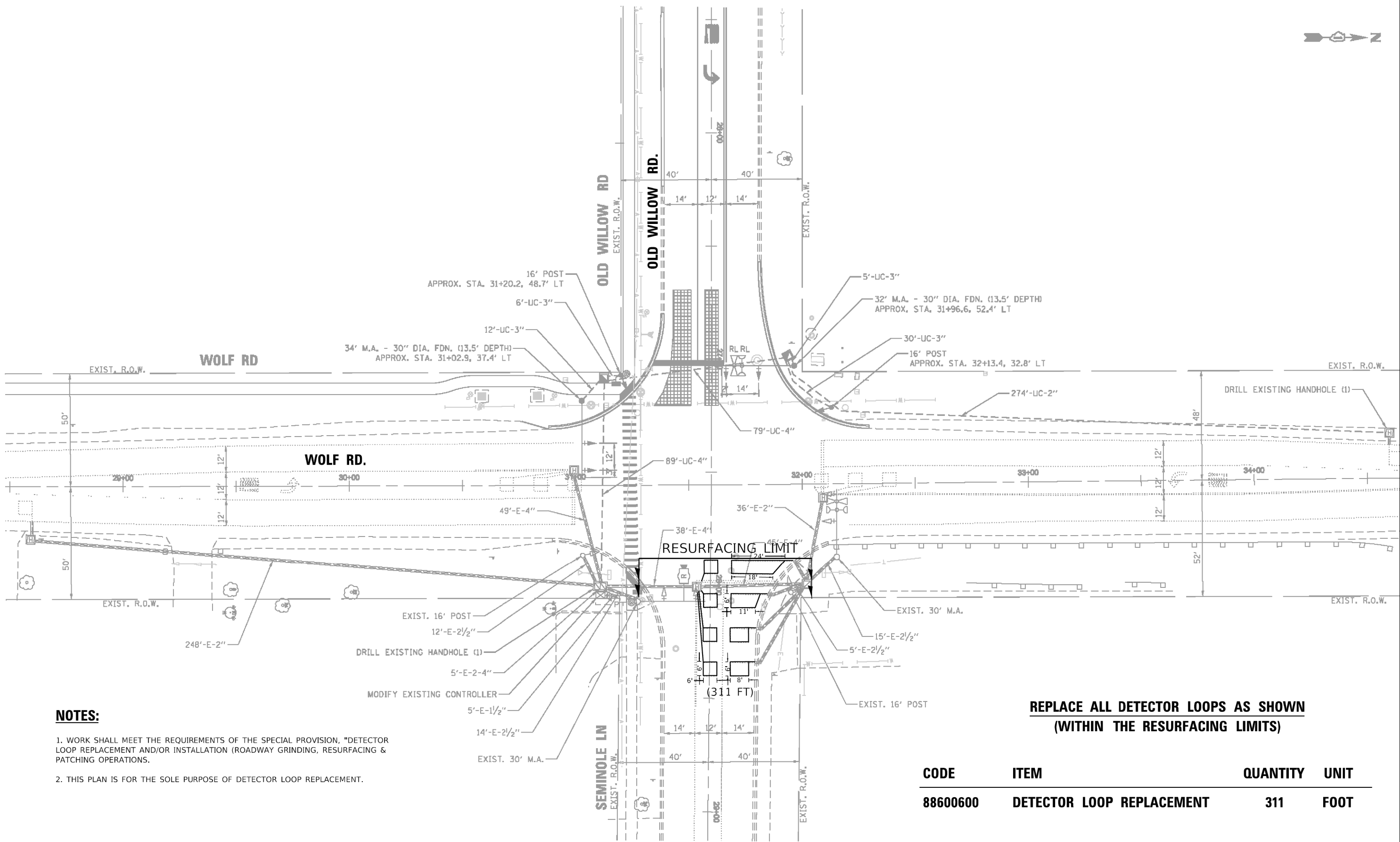
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
 OLD WILLOW ROAD - WOLF ROAD TO US RTE 45**

SCALE: 1"=20' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	48
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	311	FOOT

TS 5950

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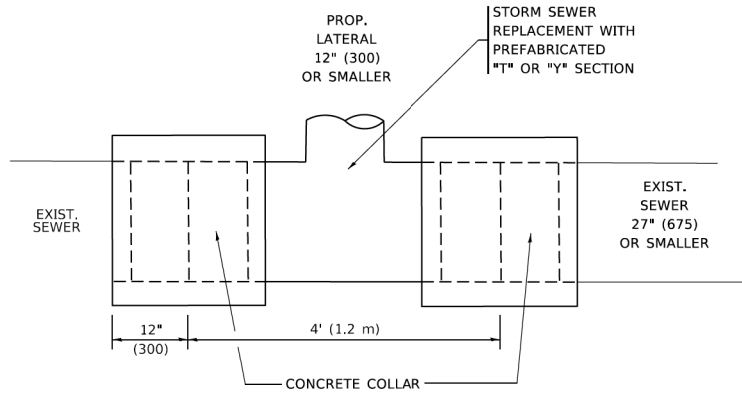
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
WOLF RD. AT OLD WILLOW RD.**

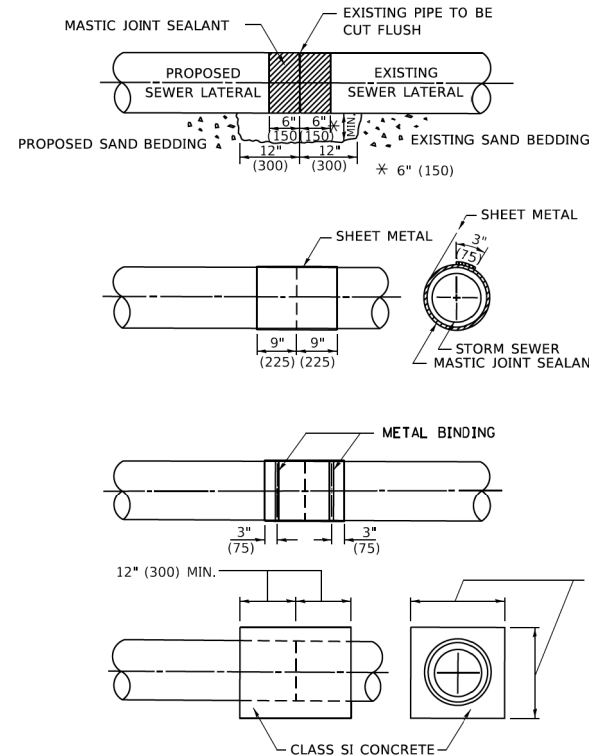
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-0053-00-PV	COOK	60	49
CONTRACT NO. 61H01				
ILLINOIS FED. AID PROJECT				



DETAIL "A"

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



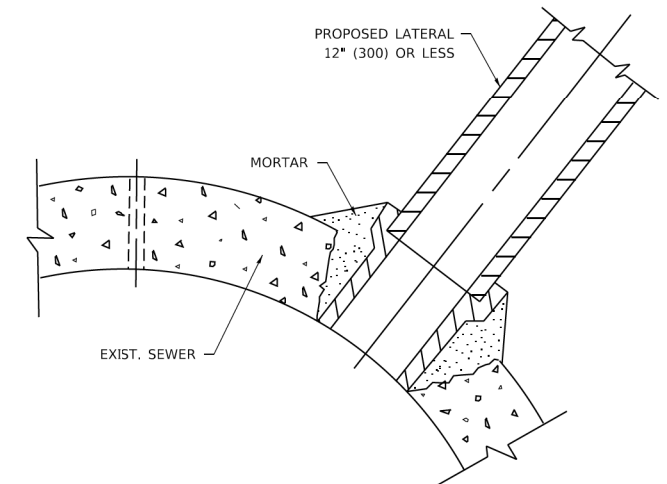
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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

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



DETAIL "C"

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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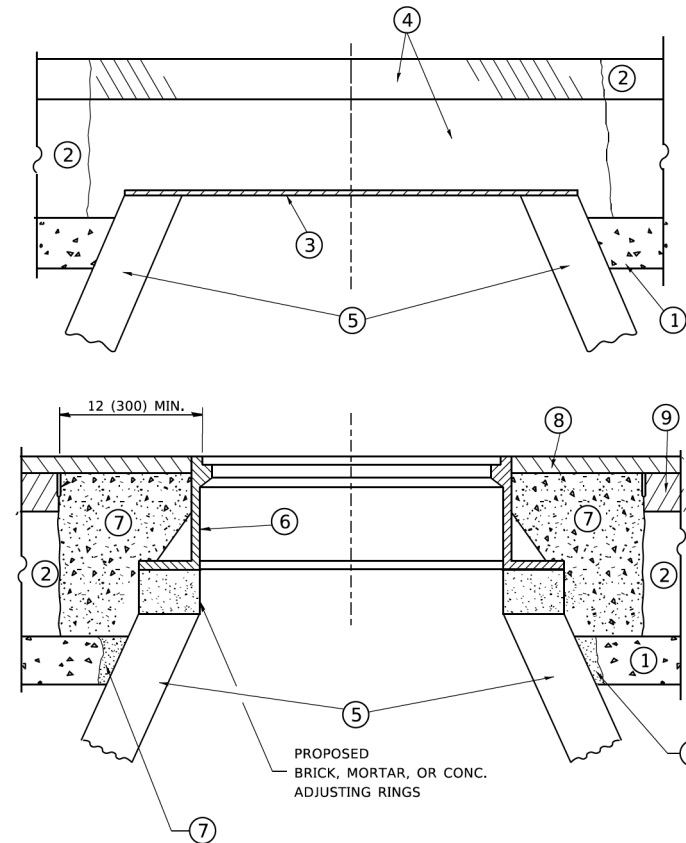
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PLOT DATE = 3/27/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	50
BD500-01 (BD-7)		CONTRACT NO. 61H01		
ILLINOIS / FED. AID PROJECT				



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 A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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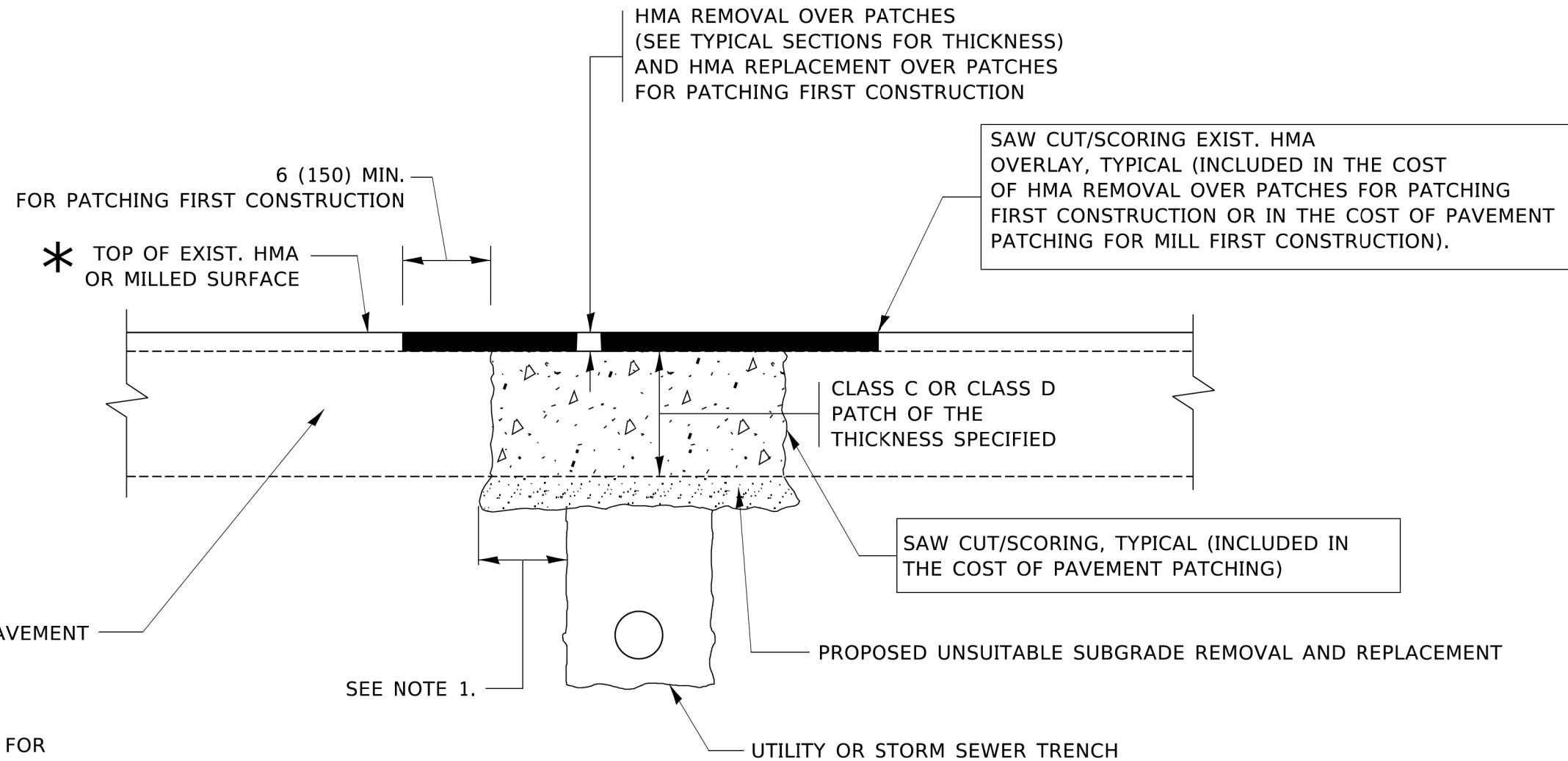
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	51
BD600-03 (BD-8)			CONTRACT NO. 61H01	
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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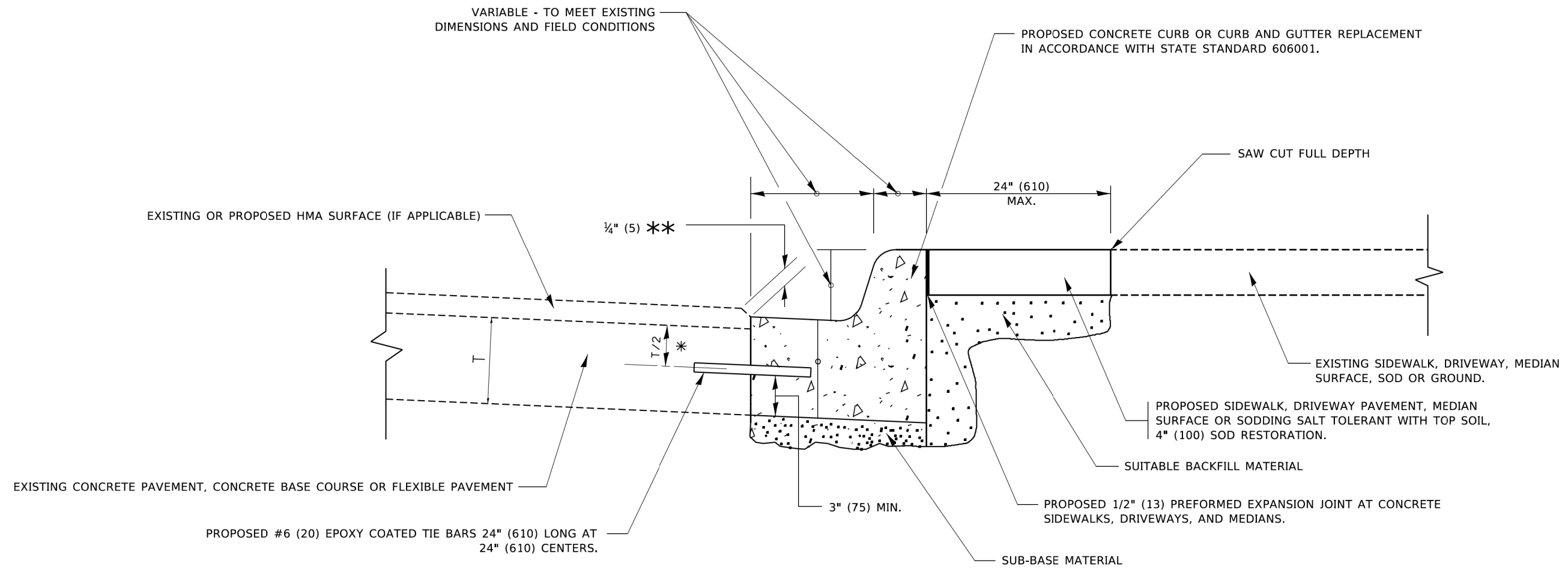
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	52
BD400-04 (BD-22)			CONTRACT NO. 61H01	
ILLINOIS FED. AID PROJECT				



- * 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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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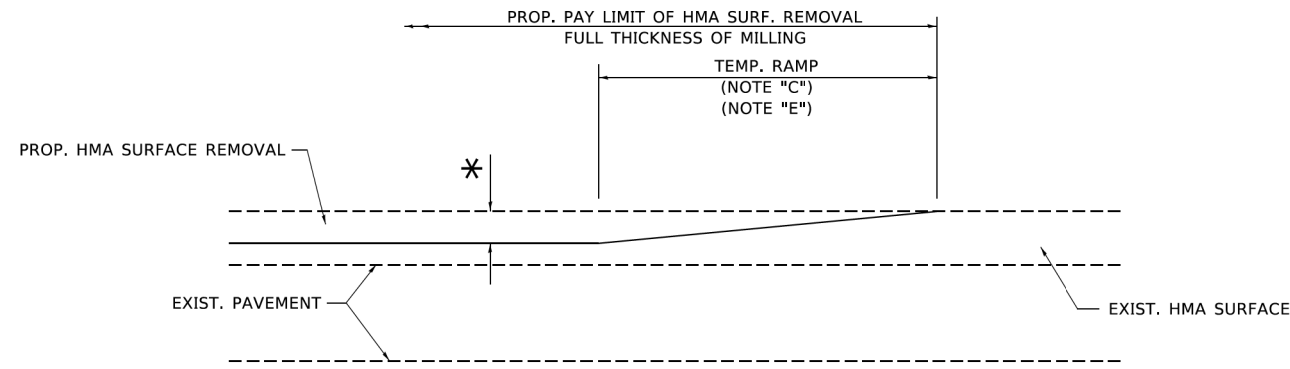
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PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

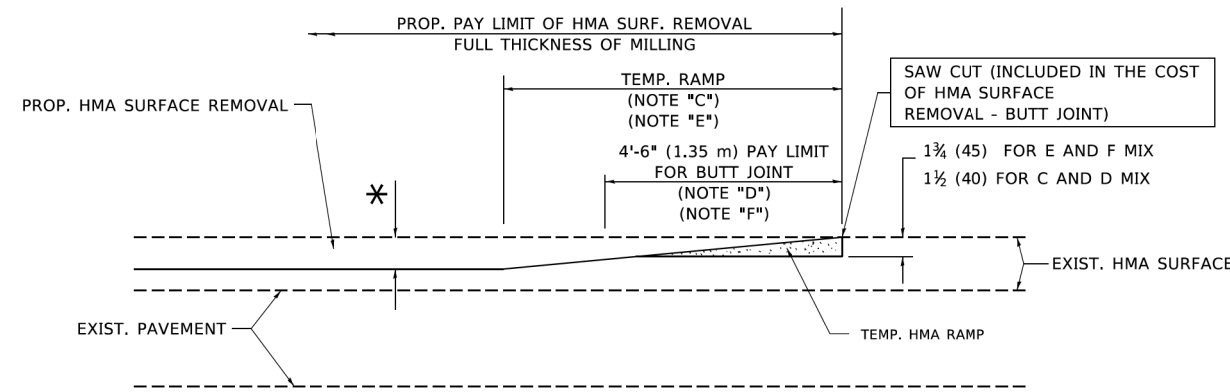
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1662	18-00053-00-PV	COOK	60	53
BD600-06 (BD-24)		CONTRACT NO. 61H01		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

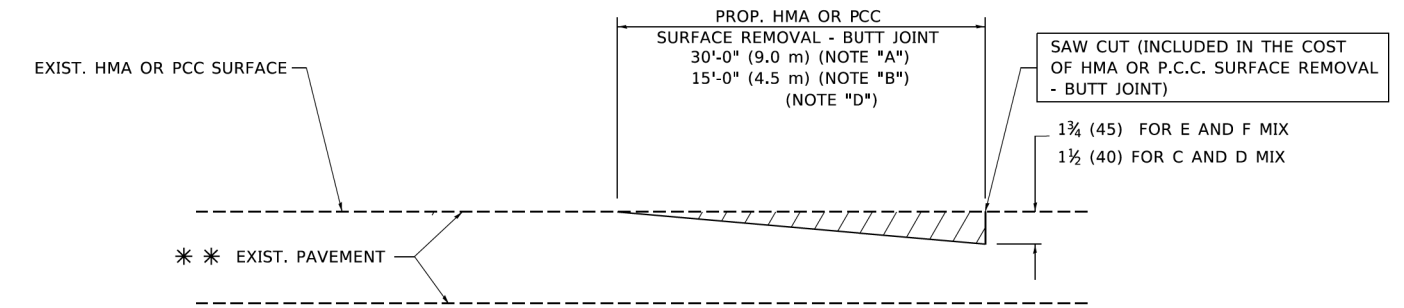


HMA CONSTRUCTED TEMPORARY RAMP

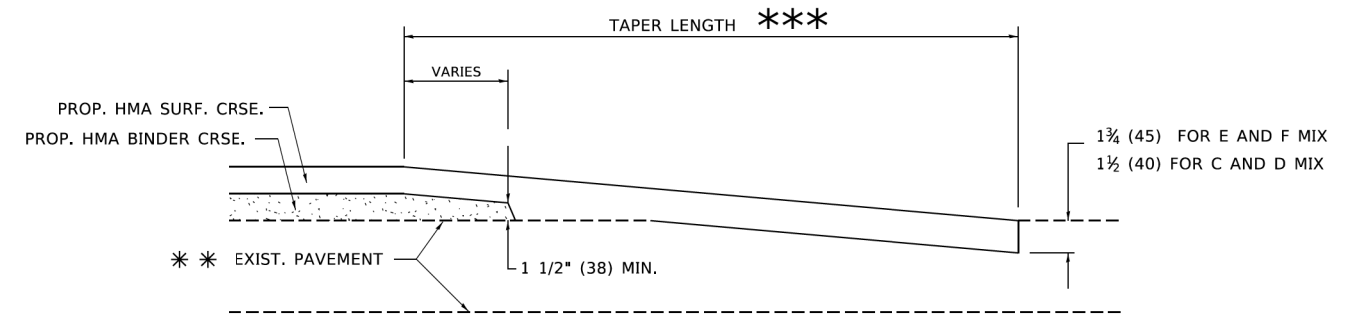
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

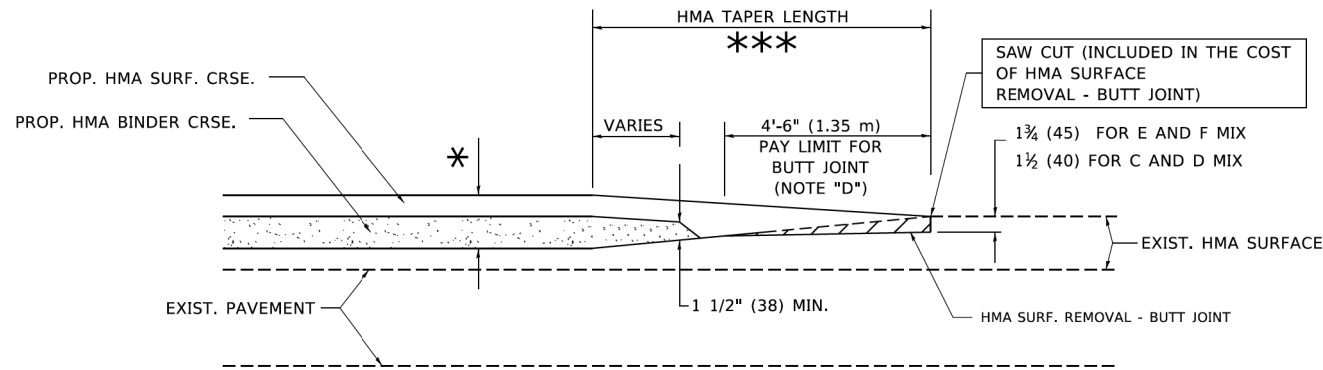
NOTES

- 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.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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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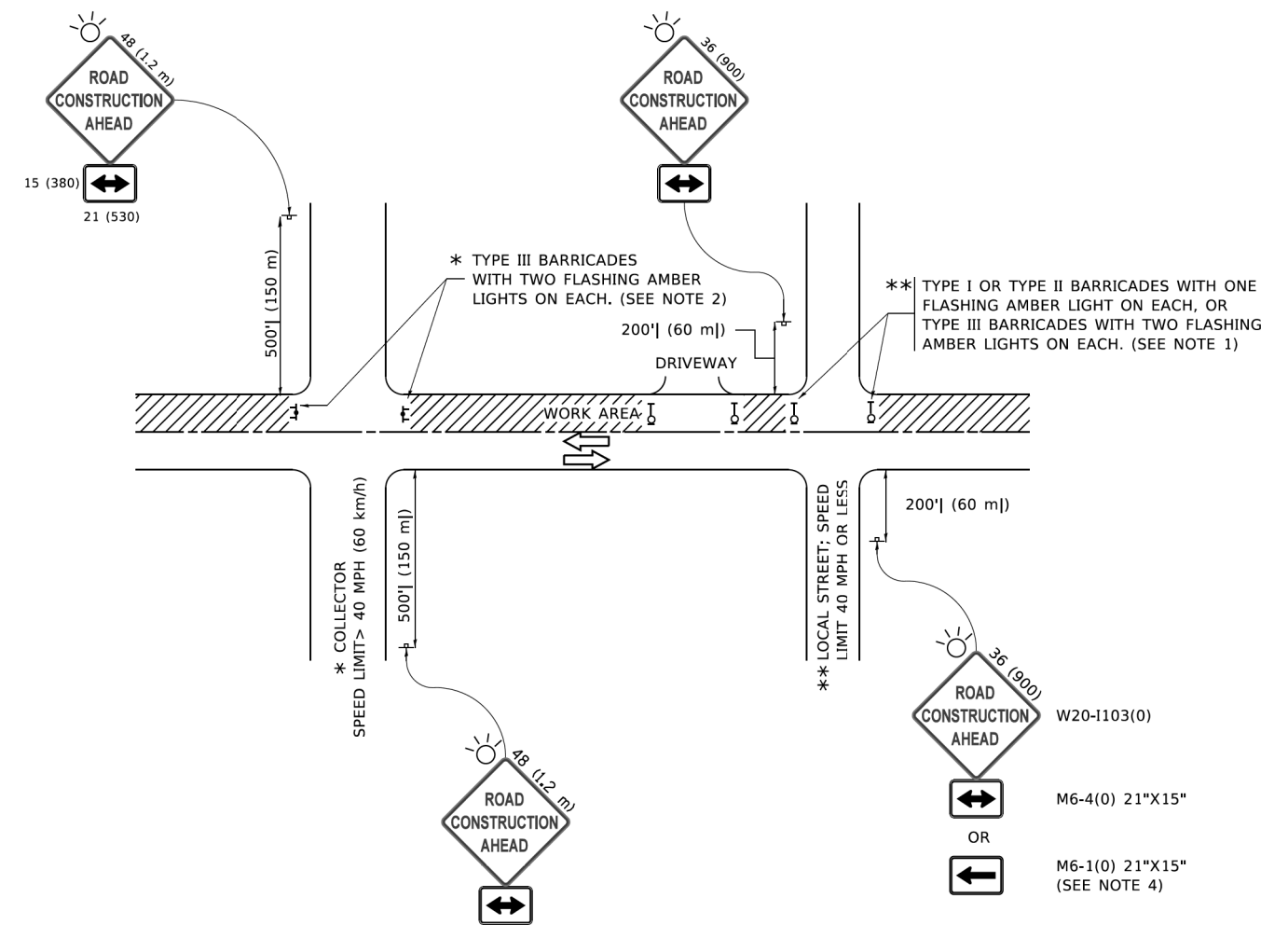
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	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	54
BD400-05 BD32		CONTRACT NO. 61H01		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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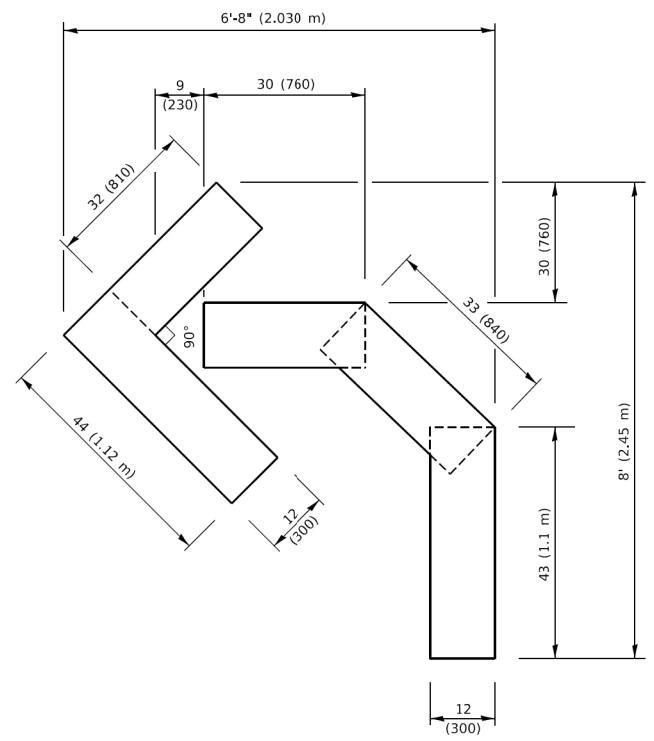
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

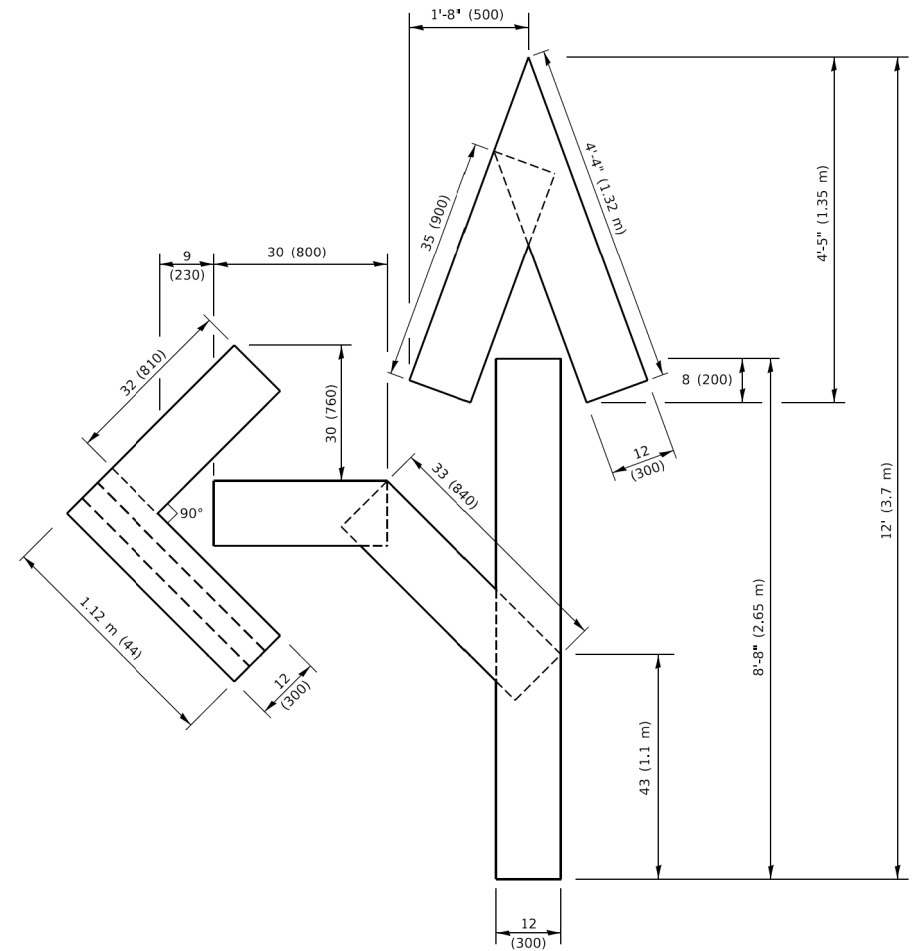
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	55
TC-10			CONTRACT NO. 61H01	
ILLINOIS FED. AID PROJECT				



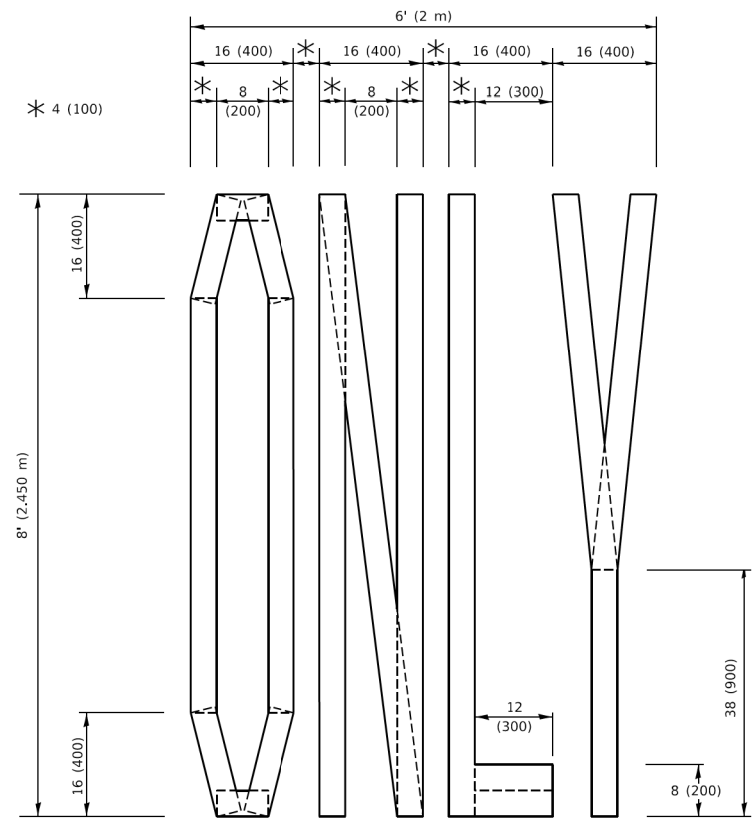
QUANTITY

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



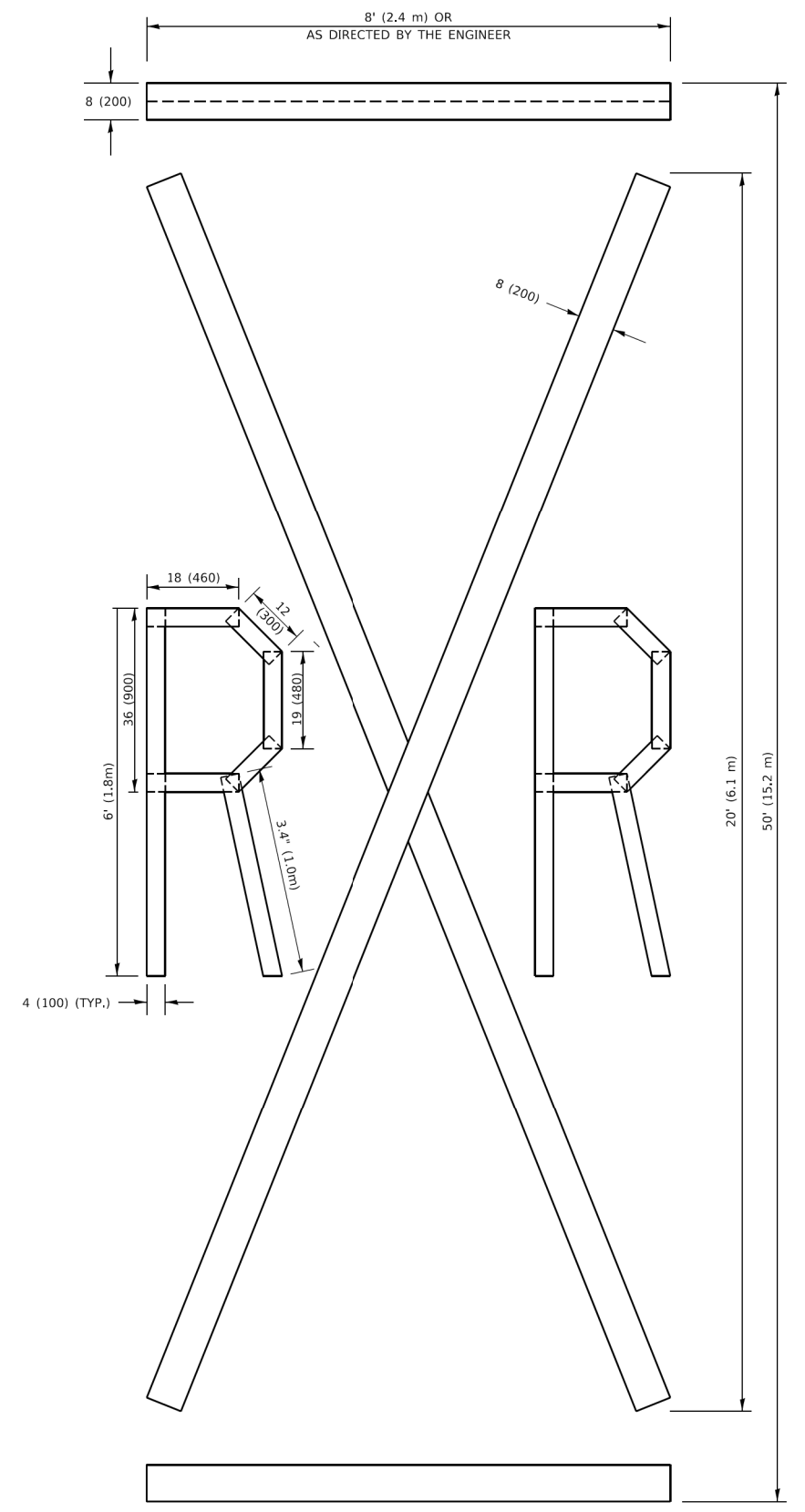
QUANTITY

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



QUANTITY

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



QUANTITY

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

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

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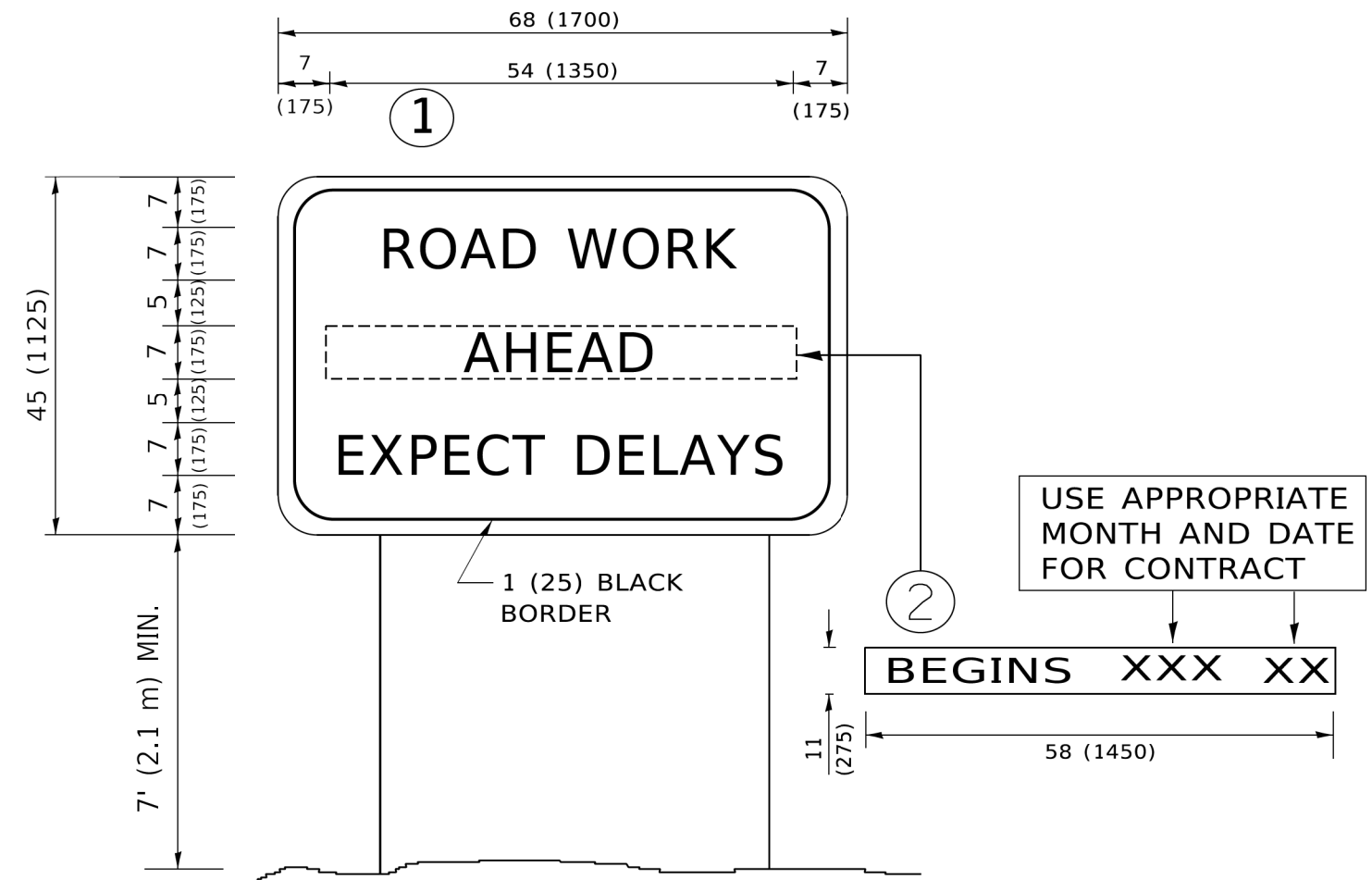
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	57
TC-16		CONTRACT NO. 61H01		
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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USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	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**

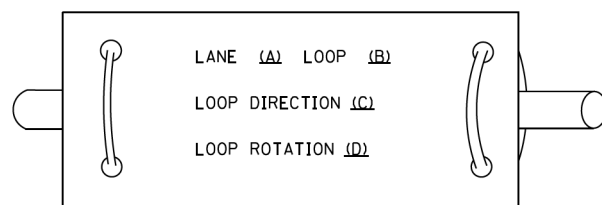
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1662	18-00053-00-PV	COOK	60	58
TC-22			CONTRACT NO. 61H01	
ILLINOIS FED. AID PROJECT				

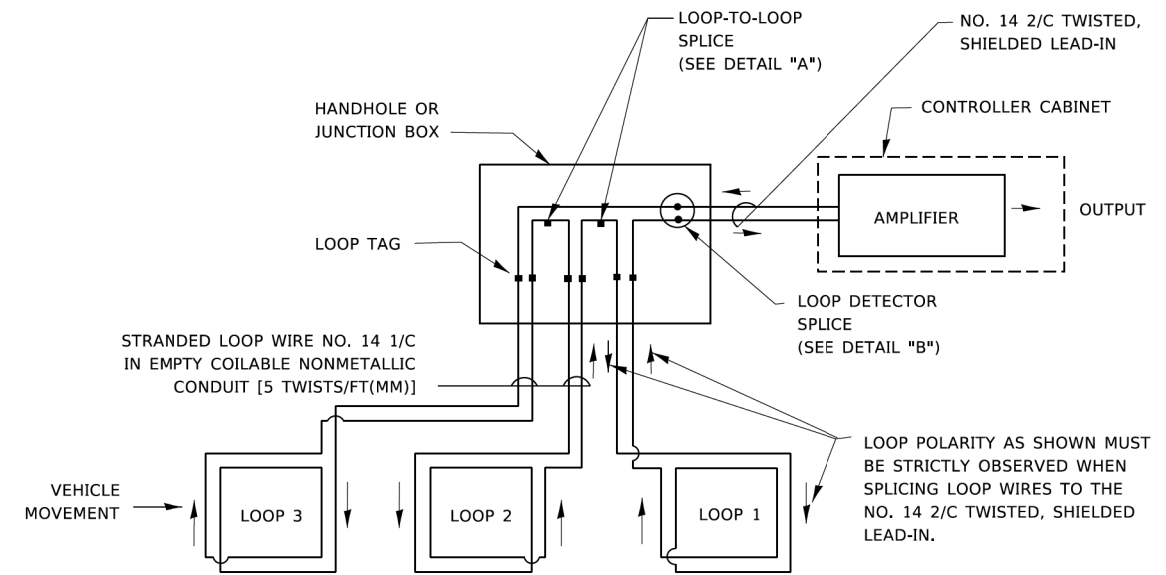
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

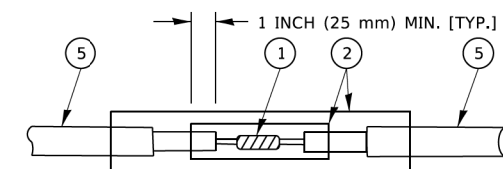


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

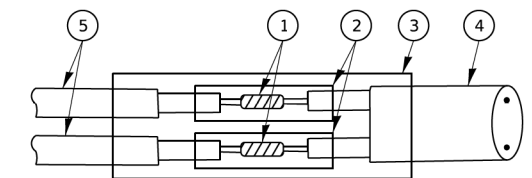


DETECTOR LOOP WIRING SCHEMATIC

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

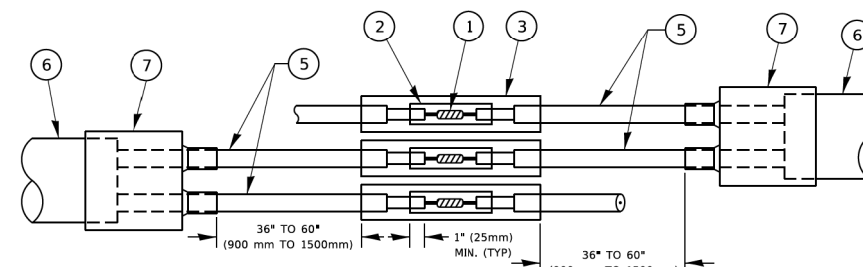


DETAIL "A"
LOOP-TO-LOOP SPLICE

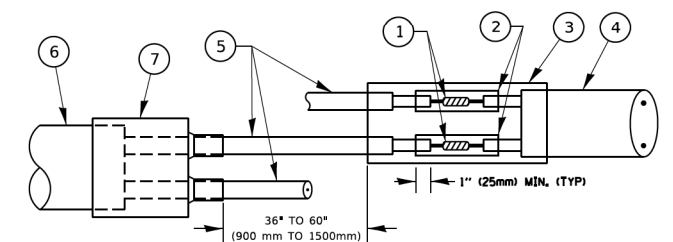


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

MODEL: Default
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USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE. 1662	SECTION 18-0053-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 59
TS-05		CONTRACT NO. 61H01		
ILLINOIS FED. AID PROJECT				

