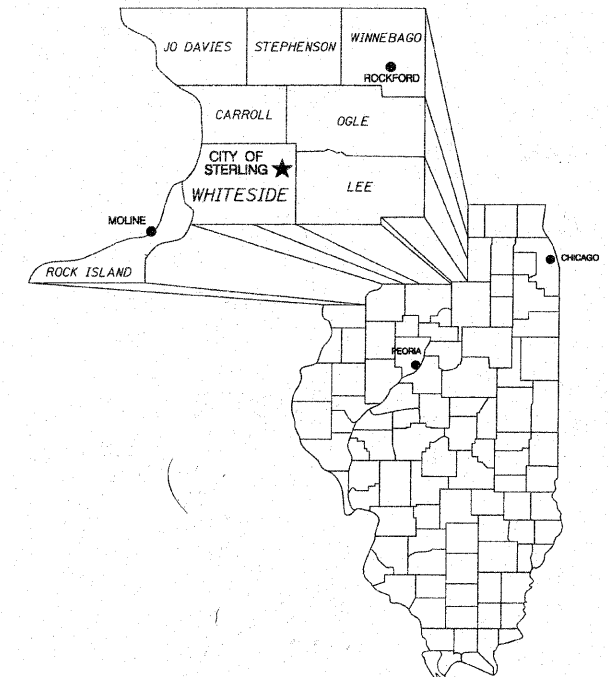


85495

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
FEDERAL AID URBAN PROJECT**

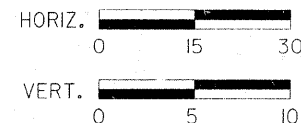
STATE LOCATION MAP



424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-03	OFF-ROAD OPERATIONS, 2-LANE, 2-WAY, 15' TO 24" FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2-LANE, 2-WAY, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2-LANE, 2-WAY, MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE, MULTILANE, 2-LANE, 2-WAY, UNDIVIDED
701801-04	LANE CLOSURE, MULTILANE, 1-WAY OR 2-WAY CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
BLR 22-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (2-LANE, 2-WAY, RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

SCALES:

PLAN AND PROFILE

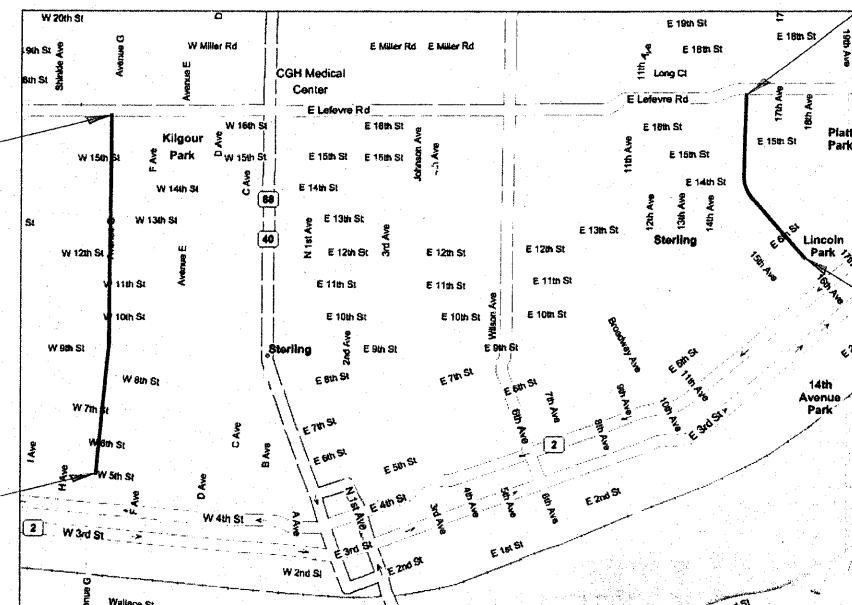


NET LENGTH = 4,036.0 FEET = 0.76 MILES (AVENUE G)
NET LENGTH = 2,170.0 FEET = 0.41 MILES (16TH AVENUE)

NAME AND ADDRESS OF UTILITIES	TYPE
AMERITECH 1908 PROPHET ROAD ROCK FALLS, IL. 61071 (815) 625-9958	TELEPHONE
NICOR GAS COMPANY 4651 LINDEN ROAD ROCKFORD, IL. 61109 (815) 965-5416	GAS
ComEd 919 WEST FIRST STREET DIXON, IL. 61021 (815) 284-5857	ELECTRIC
COMCAST COMMUNICATIONS P.O. BOX 580 1304 WEST ROUTE 30 ROCK FALLS, IL. 61071 (888) 736-6608	CABLE TV
ILLINOIS-AMERICAN WATER CO. 304 SECOND AVENUE STERLING, IL. 61081 (815) 625-3196	WATER
CITY OF STERLING 212 THIRD AVENUE STERLING, IL. 61081 (815) 626-8378	SANITARY & STORM SEWER

SECTION 09-00147-00-RS
AVENUE G
ENDS AT STA. 50+70

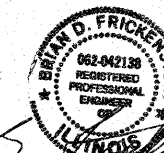
SECTION 09-00147-00-RS
AVENUE G
BEGINS AT STA. 10+34



SECTION 09-00147-00-RS
16th AVENUE
ENDS AT STA. 121+70

SECTION 09-00147-00-RS
16th AVENUE
BEGINS AT STA. 100+00

MINOR ARTERIAL ADT = 4,000 2.0% TRUCKS (AVENUE G)	MINOR ARTERIAL ADT = 2,000 2.0% TRUCKS (16TH AVENUE)



DATE: 10/30/2009
EXPIRES 11/30/2009

WHA #1036D09

PLANS PREPARED BY

**WILLETT,
HOFMANN &
ASSOCIATES, INC.**

CONSULTING ENGINEERS

Land Surveying - Transportation - Structural
Environmental - Architecture

809 East Second Street Dixon, Illinois 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm #184-000918
www.willethofmann.com

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: I000

	CODE NO.	ITEM	UNIT	AVENUE G	16TH AVENUE	PROJECT TOTAL
	1	31100900 SUB-BASE GRANULAR MATERIAL, TYPE A, 10"	SQ YD	509.7	----	509.7
*	2	40600100 BITUMINOUS MATERIALS (PRIME COAT)	GAL	1,520	771	2,291
	3	40600300 AGGREGATE (PRIME COAT)	TON	25	20	45
	4	40600525 LEVELING BINDER (HAND METHOD), N50	TON	50	50	100
	5	40600625 LEVELING BINDER (MACHINE METHOD), N50	TON	1,149	----	1,149
	6	40600990 TEMPORARY RAMP	SQ YD	766	168	934
	7	40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,376	934	2,310
	8	42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	1,930	349	2,279
	9	42400800 DETECTABLE WARNINGS	SQ FT	----	48.0	48.0
	10	44000156 HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	----	7.717	7.717
	11	44000160 HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	15,170	----	15,170
	12	44000500 COMBINATION CURB AND GUTTER REMOVAL	FOOT	386	204	590
	13	44000600 SIDEWALK REMOVAL	SQ FT	1,930	349	2,279
*	14	44201729 CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	12.2	----	12.2
*	15	44201733 CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	37.4	----	37.4
*	16	44201735 CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	460.1	----	460.1
*	17	44213200 SAW CUTS	FOOT	1,003	----	1,003
*	18	44300300 AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	13,220	2,950	16,170
*	19	56109210 WATER VALVES TO BE ADJUSTED	EACH	3	3	6
*	20	60255500 MANHOLES TO BE ADJUSTED	EACH	31	14	45
*	21	60610400 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	386	204	590
	22	67100100 MOBILIZATION	L SUM	----	----	1
*	23	70101700 TRAFFIC CONTROL AND PROTECTION	L SUM	.5	.5	1
	24	70300100 SHORT-TERM PAVEMENT MARKING	FOOT	1,250	550	1,800
	25	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	417	183	600
Δ	26	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,007	547	1,554
Δ	27	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	91	353	444
Δ	28	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	31	101	132

* INDICATES SPECIAL PROVISION
Δ SPECIALTY ITEMS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES(S):	SURFACE	LEVEL BINDER
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5
FRICTION AGGREGATE	D	N/A
20 YEAR ESAL	0.3	0.3

FILE NAME



WILLETT, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
809 East Second Street, Dixon, IL 61021
Phone 815.294.3381 Fax 815.294.3385
Design Firm # 104-00019
www.willethofmann.com

DESIGNED - BDF	REVISED -
DRAWN - BDF	REVISED -
CHECKED - BDF	REVISED -
DATE - 07/11/2009	REVISED -

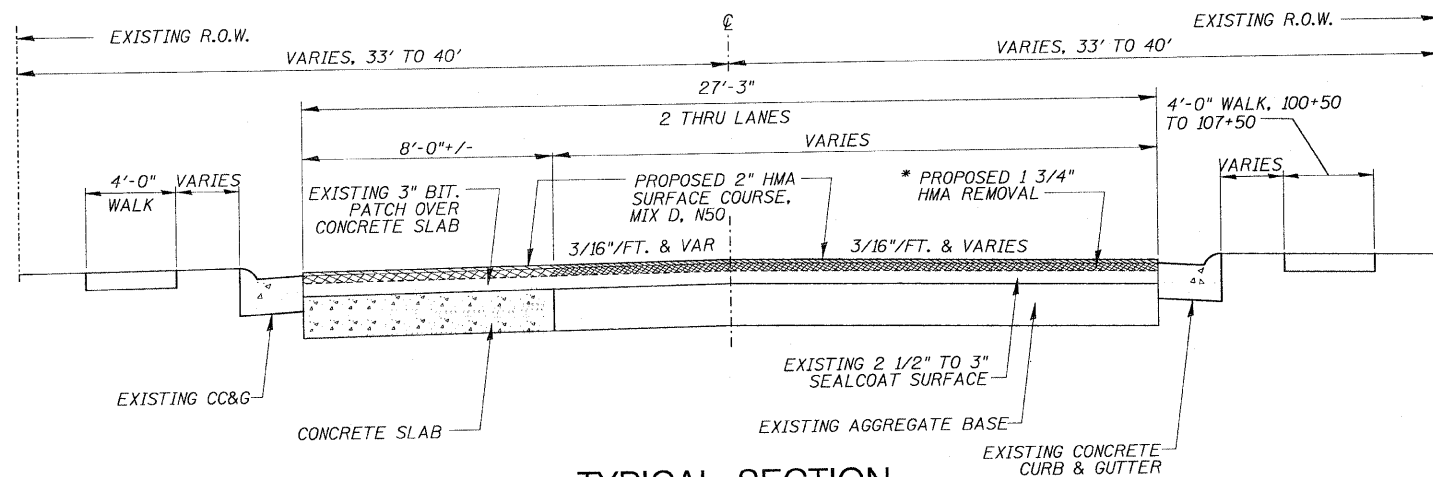
CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE

SUMMARY OF QUANTITIES
PAVEMENT DESIGN

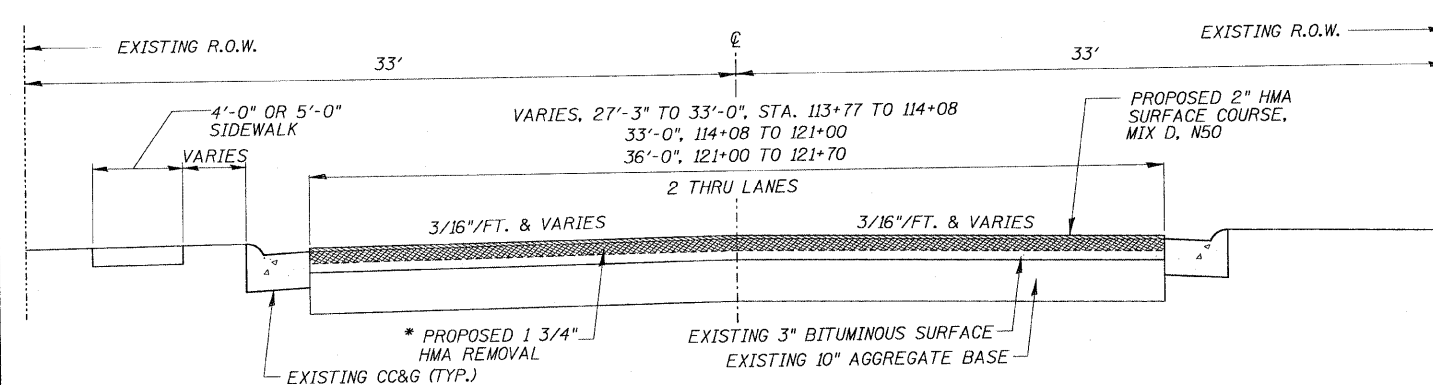
SCALE: SHEET NO. 2 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	2
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS (16TH AVENUE)

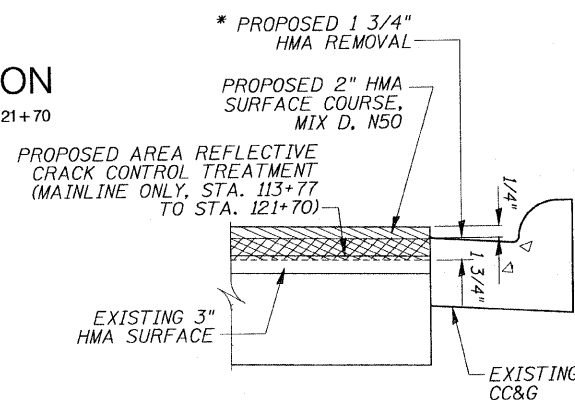


TYPICAL SECTION
STATION 100+00 TO STATION 113+76



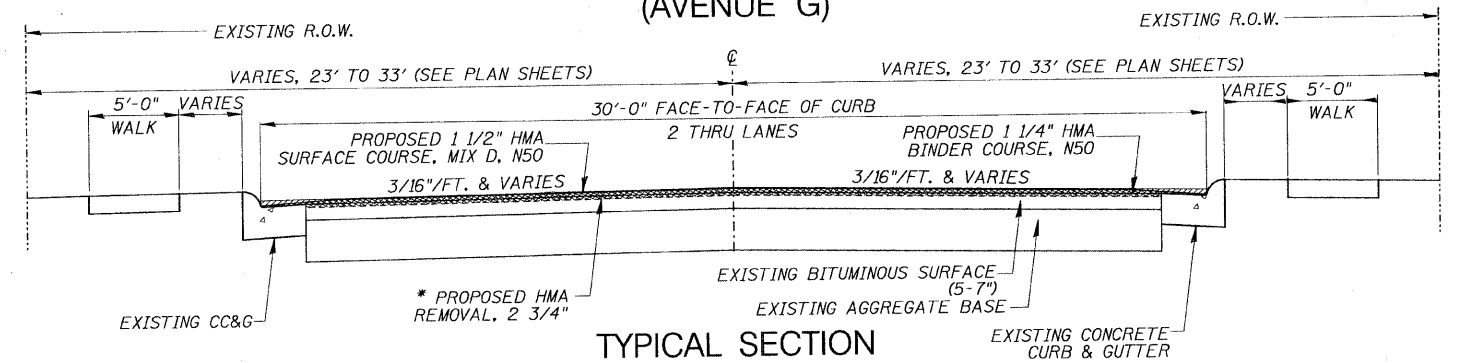
TYPICAL SECTION
STATION 113+77 TO STATION 121+70

* THE MAXIMUM DROP-OFF HEIGHT BETWEEN TRAVELED LANES SHALL BE EQUAL TO OR LESS THAN 1 1/2". THEREFORE, THE CONTRACTOR SHALL MAKE MULTIPLE MILLING PASSES IN BOTH LANES SO THAT THE HEIGHT DIFFERENTIAL IN THE VERTICAL MILLED FACE DOES NOT EXCEED 1 1/2"

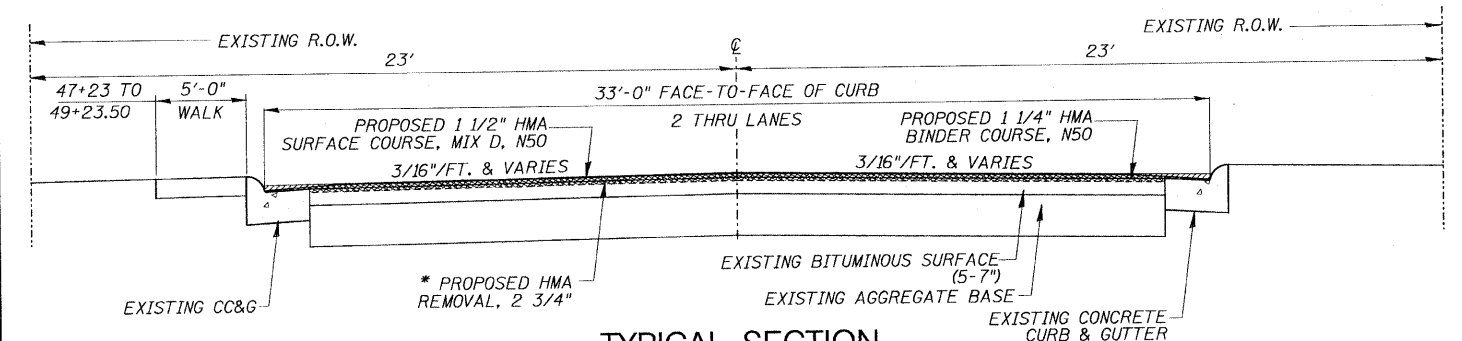


TYPICAL CURB DETAIL

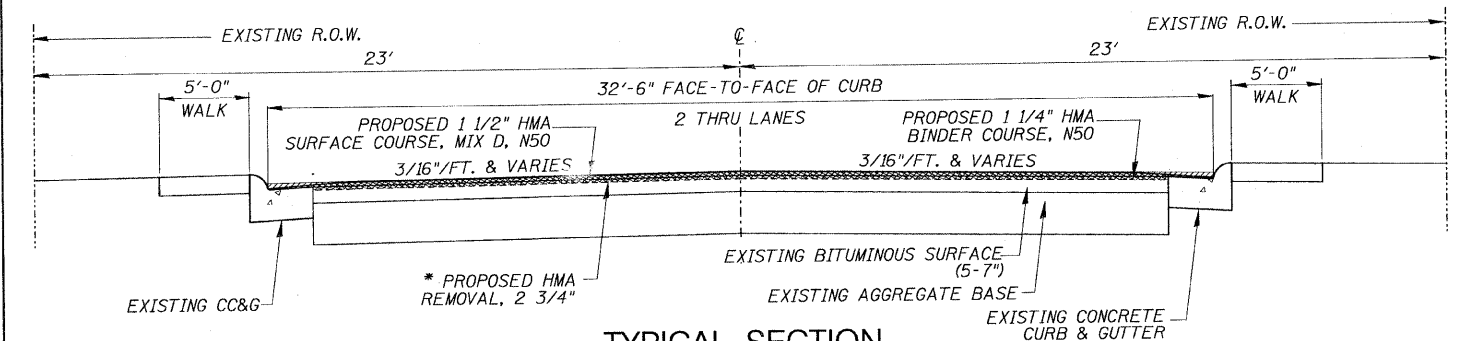
TYPICAL SECTIONS (AVENUE G)



TYPICAL SECTION
STATION 10+34.00 TO STATION 45+39.50

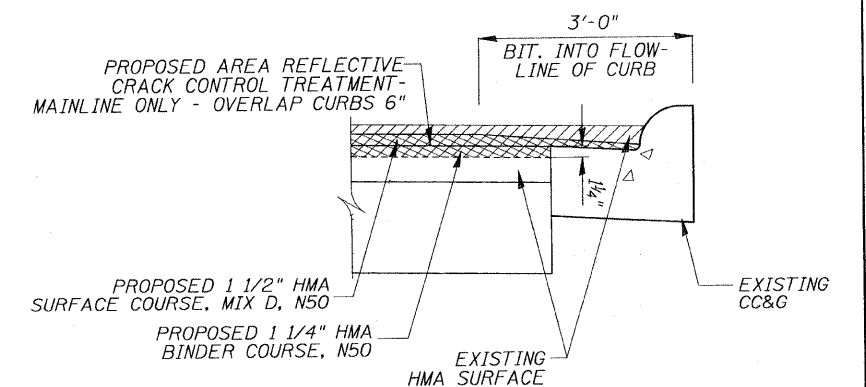


TYPICAL SECTION
STATION 45+39.50 TO STATION 49+23.50



TYPICAL SECTION
STATION 49+23.50 TO STATION 50+70.00

* THE MAXIMUM DROP-OFF HEIGHT BETWEEN TRAVELED LANES SHALL BE EQUAL TO OR LESS THAN 1 1/2". THEREFORE, THE CONTRACTOR SHALL MAKE MULTIPLE MILLING PASSES IN BOTH LANES SO THAT THE HEIGHT DIFFERENTIAL IN THE VERTICAL MILLED FACE DOES NOT EXCEED 1 1/2"



TYPICAL CURB TAPER

ROADWAY SCHEDULES

SUB-BASE GRANULAR MATERIAL, TYPE A, 10"

STATION	SQ YD	REMARKS
AVENUE G, MAINLINE		
RT., 46+80 TO 46+91	6.1	5' WIDTH
LT., 46+80 TO 46+91	6.1	5' WIDTH
RT., 42+50 TO 42+70	22.2	10' WIDTH
RT., 43+80 TO 43+93	15.2	10.5' WIDTH
RT., 42+92 TO 43+64	80.0	10' WIDTH
LT., 43+18 TO 43+80	37.9	5.5' WIDTH
LT., 44+47 TO 45+20	77.0	7' TO 10' WIDTH
RT., 48+13 TO 48+90	132.6	FULL WIDTH NORTHBOUND LANE
LT., 48+13 TO 48+90	132.6	FULL WIDTH SOUTHBOUND LANE
PROJECT TOTAL	509.7	

31100900

BITUMINOUS MATERIALS (PRIME COAT)

STATION	GAL	REMARKS
AVENUE G, MAINLINE		
10+34.00 to 45+39.50	1,169	30.0' MAINLINE WIDTH
45+39.50 to 49+23.50	141	33.0' MAINLINE WIDTH
49+23.50 to 50+70.00	53	32.50' MAINLINE WIDTH
L, 50+41 TO 50+70	3	31.5' LT OF C
R, 50+48.5 TO 50+70	2	28.0' RT OF C
AVENUE G, INTERSECTING SIDE ROADS		
L, W. 6TH STREET	6	30.0' LT OF C
R, W. 6TH STREET	6	27.5' RT OF C
L, W. 7TH STREET	5	29.0' LT OF C
R, W. 7TH STREET	5	29.0' RT OF C
L, W. 8TH STREET	9	33.0' LT OF C
R, W. 8TH STREET	8	31.0' RT OF C
L, W. 9TH STREET	8	32.0' LT OF C
R, W. 9TH STREET	10	40.5' RT OF C
L, W. 10TH STREET	8	32.0' LT OF C
R, W. 10TH STREET	9	34.0' RT OF C
L, W. 11TH STREET	9	34.0' LT OF C
R, W. 11TH STREET	8	35.0' RT OF C
L, W. 12TH STREET	6	28.0' LT OF C
R, W. 12TH STREET	6	30.0' RT OF C
L, W. 13TH STREET	9	38.5' LT OF C
R, W. 13TH STREET	7	32.0' RT OF C
L, W. 14TH STREET	7	32.0' LT OF C
R, W. 14TH STREET	7	33.0' RT OF C
L, W. 15TH STREET	7	29.0' LT OF C
R, W. 15TH STREET	5	28.0' RT OF C
R, W. 16TH STREET	7	31.0' RT OF C
16TH AVENUE MAINLINE		
100+00 TO 113+75	415	27.25' MAINLINE WIDTH
113+76 TO 121+00	265	33.0' MAINLINE WIDTH
121+00 TO 121+70	28	36.0' MAINLINE WIDTH
16TH AVENUE, SIDE ROADS		
L, E. 6TH STREET	8	35.0' LT OF C
R, E. 6TH STREET	6	30.0' LT OF C
L, E. 14TH STREET	8	33.0' LT OF C
L, E. 15TH STREET	8	32.0' LT OF C
R, E. 15TH STREET	7	31.0' RT OF C
L, E. 16TH STREET	9	33.0' LT OF C
L, E. LEFEVRE ROAD	9	32.0' LT OF C
R, E. LEFEVRE ROAD	8	32.0' RT OF C
PROJECT TOTAL	2,291	

40600100

LEVELING BINDER (MACHINE METHOD), N50

STATION	TON	REMARKS
AVENUE G, MAINLINE		
10+34.00 to 45+39.50	877	30.0' MAINLINE WIDTH
45+39.50 to 49+23.50	106	33.0' MAINLINE WIDTH
49+23.50 to 50+70.00	40	32.50' MAINLINE WIDTH
L, 50+41 TO 50+70	3	31.5' LT OF C
R, 50+48.5 TO 50+70	2	28.0' RT OF C
AVENUE G, INTERSECTING SIDE ROADS		
L, W. 6TH STREET	5	30.0' LT OF C
R, W. 6TH STREET	5	27.5' RT OF C
L, W. 7TH STREET	4	29.0' LT OF C
R, W. 7TH STREET	4	29.0' RT OF C
L, W. 8TH STREET	7	33.0' LT OF C
R, W. 8TH STREET	6	31.0' RT OF C
L, W. 9TH STREET	6	32.0' LT OF C
R, W. 9TH STREET	8	40.5' RT OF C
L, W. 10TH STREET	7	32.0' LT OF C
R, W. 10TH STREET	7	34.0' RT OF C
L, W. 11TH STREET	7	34.0' LT OF C
R, W. 11TH STREET	6	35.0' RT OF C
L, W. 12TH STREET	5	28.0' LT OF C
R, W. 12TH STREET	5	30.0' RT OF C
L, W. 13TH STREET	7	38.5' LT OF C
R, W. 13TH STREET	6	32.0' RT OF C
L, W. 14TH STREET	6	32.0' LT OF C
R, W. 14TH STREET	6	33.0' RT OF C
L, W. 15TH STREET	5	29.0' LT OF C
R, W. 15TH STREET	4	28.0' RT OF C
R, W. 16TH STREET	5	31.0' RT OF C
PROJECT TOTAL	1,149	

40600625

TEMPORARY RAMP

STATION	SQ YD	REMARKS
AVENUE G		
10+34.00	30	FULL WIDTH MAINLINE (9' LONG)
L 13+69.50	31	W. 6TH STREET (9' LONG)
R 13+69.50	31	W. 6TH STREET (9' LONG)
L 17+34.50	26	W. 7TH STREET (9' LONG)
R 17+34.50	26	W. 7TH STREET (9' LONG)
L 21+02.50	36	W. 8TH STREET (9' LONG)
R 21+02.50	36	W. 8TH STREET (9' LONG)
L 24+20.50	36	W. 9TH STREET (9' LONG)
R 24+23.50	30	W. 9TH STREET (9' LONG)
L 27+83.50	36	W. 10TH STREET (9' LONG)
R 27+83.50	36	W. 10TH STREET (9' LONG)
L 31+49.50	36	W. 11TH STREET (9' LONG)
R 31+53.00	30	W. 11TH STREET (9' LONG)
L 35+08.00	30	W. 12TH STREET (9' LONG)
R 35+08.00	30	W. 12TH STREET (9' LONG)
L 38+58.00	30	W. 13TH STREET (9' LONG)
R 38+58.00	30	W. 13TH STREET (9' LONG)
L 42+08.00	30	W. 14TH STREET (9' LONG)
R 42+08.00	30	W. 14TH STREET (9' LONG)
L 45+57.50	36	W. 15TH STREET (9' LONG)
R 45+58.50	30	W. 15TH STREET (9' LONG)
R 49+06.25	35	W. 16TH STREET (9' LONG)
50+70.00	65	FULL WIDTH MAINLINE (9' LONG)

TEMPORARY RAMP (CON'T.)

16TH AVENUE		
100+00.00	15	FULL WIDTH MAINLINE (5' LONG)
L 103+31.00	15	E. 6TH STREET (5' LONG)
R 103+31.00	14	E. 6TH STREET (5' LONG)
L 111+00.00	17	E. 14TH STREET (5' LONG)
L 114+12.00	17	E. 15TH STREET (5' LONG)
R 115+34.00	16	E. 15TH STREET (5' LONG)
L 117+16.00	17	E. 16TH STREET (5' LONG)
L 121+32.00	19	E. LEFEVRE ROAD (5' LONG)
R 121+32.00	18	E. LEFEVRE ROAD (5' LONG)
121+70.00	20	FULL WIDTH MAINLINE (5' LONG)
PROJECT TOTAL	934	

40600990

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50

STATION	TON	REMARKS
AVENUE G, MAINLINE		
10+34.00 to 45+39.50	1,052	30.0' MAINLINE WIDTH
45+39.50 to 49+23.50	127	33.0' MAINLINE WIDTH
49+23.50 to 50+70.00	48	32.50' MAINLINE WIDTH
L, 50+41 TO 50+70	3	31.5' LT OF C
R, 50+48.5 TO 50+70	2	28.0' RT OF C
AVENUE G, INTERSECTING SIDE ROADS		
L, W. 6TH STREET	6	30.0' LT OF C
R, W. 6TH STREET	5	27.5' RT OF C
L, W. 7TH STREET	5	29.0' LT OF C
R, W. 7TH STREET	5	29.0' RT OF C
L, W. 8TH STREET	8	33.0' LT OF C
R, W. 8TH STREET	7	31.0' RT OF C
L, W. 9TH STREET	8	32.0' LT OF C
R, W. 9TH STREET	9	40.5' RT OF C
L, W. 10TH STREET	8	32.0' LT OF C
R, W. 10TH STREET	8	34.0' RT OF C
L, W. 11TH STREET	8	34.0' LT OF C
R, W. 11TH STREET	8	35.0' RT OF C
L, W. 12TH STREET	6	28.0' LT OF C
R, W. 12TH STREET	6	30.0' RT OF C
L, W. 13TH STREET	9	38.5' LT OF C
R, W. 13TH STREET	7	32.0' RT OF C
L, W. 14TH STREET	7	32.0' LT OF C
R, W. 14TH STREET	7	33.0' RT OF C
L, W. 15TH STREET	6	29.0' LT OF C
R, W. 15TH STREET	5	28.0' RT OF C
R, W. 16TH STREET	6	31.0' RT OF C
16TH AVENUE MAINLINE		
100+00 TO 113+75	500	27.25' MAINLINE WIDTH
113+76 TO 121+00	320	33.0' MAINLINE WIDTH
121+00 TO 121+70	35	36.0' MAINLINE WIDTH
16TH AVENUE, SIDE ROADS		
L, E. 6TH STREET	10	35.0' LT OF C
R, E. 6TH STREET	8	30.0' RT OF C
L, E. 14TH STREET	10	33.0' LT OF C
L, E. 15TH STREET	10	32.0' LT OF C
R, E. 15TH STREET	9	31.0' RT OF C
L, E. 16TH STREET	11	33.0' LT OF C
L, E. LEFEVRE ROAD	11	32.0' LT OF C
R, E. LEFEVRE ROAD	10	32.0' RT OF C
PROJECT TOTAL	2,310	

40603335

FILE NAME *



WILLETT, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
809 East Second Street, Dixon, IL 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm # 184-00918
www.willett-hofmann.com

DESIGNED	- BDF	REVISED	-
DRAWN	- BDF	REVISED	-
CHECKED	- BDF	REVISED	-
DATE	- 07/13/2009	REVISED	-

CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE**SCHEDULE OF QUANTITIES**

SCALE:

SHEET NO. 4 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	4
FED. ROAD DIST. NO. - ILLINOIS			CONTRACT NO. 85495	
FED. AID PROJECT				

ROADWAY SCHEDULES

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		
STATION	SQ FT	REMARKS
AVENUE G, MAINLINE		
LT. 47+75 TO LT. 50+40	1,325	5' WIDTH
RT. 49+25 TO RT. 50+46	605	5' WIDTH
16TH AVENUE, MAINLINE		
LT. 110+72	44	CURB RAMP, 4' WIDTH, SOUTH SIDE 14TH
LT. 111+31	44	CURB RAMP, 4' WIDTH, NORTH SIDE 14TH
LT. 113+79	44	CURB RAMP, 4' WIDTH, SOUTH SIDE 15TH
LT. 114+43	44	CURB RAMP, 4' WIDTH, NORTH SIDE 15TH
LT. 116+83	44	CURB RAMP, 4' WIDTH, SOUTH SIDE 16TH
LT. 117+53	44	CURB RAMP, 4' WIDTH, NORTH SIDE 16TH
LT. 120+97	40	CURB RAMP, 5' WIDTH, SO SIDE LEFEVRE
LT. 121+10	45	CURB RAMP, 5' WIDTH, SO SIDE LEFEVRE
PROJECT TOTAL		
	2,279	
42400200		

DETECTABLE WARNINGS		
STATION	SQ FT	REMARKS
16TH AVENUE		
LT. 110+72	6.0	3.0' X 2.0', SOUTH SIDE OF 14TH
LT. 111+31	6.0	3.0' X 2.0', NORTH SIDE OF 14TH
LT. 113+79	6.0	3.0' X 2.0', SOUTH SIDE OF 15TH
LT. 114+43	6.0	3.0' X 2.0', NORTH SIDE OF 15TH
LT. 116+83	6.0	3.0' X 2.0', SOUTH SIDE OF 16TH
LT. 117+53	6.0	3.0' X 2.0', NORTH SIDE OF 16TH
LT. 120+97	6.0	3.0' X 2.0', SOUTH SIDE OF LEFEVRE
LT. 121+10	6.0	3.0' X 2.0', SOUTH SIDE OF LEFEVRE
PROJECT TOTAL		
	48.0	
42400800		

HOT-MIX ASPHALT SURFACE REMOVAL 1 3/4"		
STATION	SQ YD	REMARKS
16TH AVENUE MAINLINE		
100+00 TO 113+75	4,165	27.25' MAINLINE WIDTH
113+76 TO 121+00	2,655	33.0' MAINLINE WIDTH
121+00 TO 121+70	280	36.0' MAINLINE WIDTH
16TH AVENUE, SIDE ROADS		
E. 6TH STREET	80	35.0' LT OF C
E. 6TH STREET	60	30.0' RT OF C
E. 14TH STREET	76	33.0' LT OF C
E. 15TH STREET	78	32.0' LT OF C
E. 15TH STREET	69	31.0' RT OF C
E. 16TH STREET	85	33.0' LT OF C
E. LEFEVRE ROAD	89	32.0' LT OF C
E. LEFEVRE ROAD	80	32.0' RT OF C
PROJECT TOTAL		
	7,717	
44000156		

HOT-MIX ASPHALT SURFACE REMOVAL 2 3/4"		
STATION	SQ YD	REMARKS
AVENUE G MAINLINE		
10+34.00 to 45+39.50	11,685	30.0' MAINLINE WIDTH
45+39.50 to 49+23.50	1,408	33.0' MAINLINE WIDTH
49+23.50 to 50+70.00	529	32.50' MAINLINE WIDTH
L. 50+41 TO 50+70	30	31.5' LT OF C
R. 50+48.5 TO 50+70	16	28.0' RT OF C
AVENUE G, INTERSECTING SIDE ROADS		
W. 6TH STREET	63	30.0' LT OF C
W. 6TH STREET	55	27.5' RT OF C
W. 7TH STREET	52	29.0' LT OF C
W. 7TH STREET	53	29.0' RT OF C
W. 8TH STREET	85	33.0' LT OF C
W. 8TH STREET	77	31.0' RT OF C
W. 9TH STREET	80	32.0' LT OF C
W. 9TH STREET	97	40.5' RT OF C
W. 10TH STREET	81	32.0' LT OF C
W. 10TH STREET	88	34.0' RT OF C
W. 11TH STREET	87	34.0' LT OF C
W. 11TH STREET	79	35.0' RT OF C
W. 12TH STREET	57	28.0' LT OF C
W. 12TH STREET	61	30.0' RT OF C
W. 13TH STREET	91	38.5' LT OF C
W. 13TH STREET	69	32.0' RT OF C
W. 14TH STREET	70	32.0' LT OF C
W. 14TH STREET	72	33.0' RT OF C
W. 15TH STREET	65	29.0' LT OF C
W. 15TH STREET	53	28.0' RT OF C
W. 16TH STREET	67	31.0' RT OF C
PROJECT TOTAL		
	15,170	
44000160		

COMBINATION CURB AND GUTTER REMOVAL		
STATION	FOOT	REMARKS
AVENUE G, MAINLINE		
LT. 47+75 TO 50+40	265	
RT. 49+25 TO 50+46	121	
16TH AVENUE, MAINLINE		
LT. 110+70 TO 110+85	27	RADIUS 14TH STREET LT, SOUTH SIDE
LT. 111+47 TO 111+32	31	RADIUS 14TH STREET LT, NORTH SIDE
LT. 113+79 TO 113+95	28	RADIUS 15TH STREET LT, SOUTH SIDE
LT. 114+29 TO 114+43	28	RADIUS 15TH STREET LT, NORTH SIDE
LT. 116+85 TO 117+01	28	RADIUS 16TH STREET LT, SOUTH SIDE
LT. 117+33 TO 117+51	26	RADIUS 16TH STREET LT, NORTH SIDE
LT. 120+91 TO 121+13	36	RADIUS LEFEVRE ROAD LT, SOUTH SIDE
PROJECT TOTAL		
	590	
44000500		

SIDEWALK REMOVAL		
STATION	SQ FT	REMARKS
AVENUE G, MAINLINE		
LT. 47+75 TO 50+40	1,325	5' WIDTH
RT. 49+25 TO 50+46	605	5' WIDTH
16TH AVENUE, MAINLINE		
LT. 110+72	44	4' WIDTH
LT. 111+31	44	4' WIDTH
LT. 113+79	44	4' WIDTH
LT. 114+43	44	4' WIDTH
LT. 116+83	44	4' WIDTH
LT. 117+53	44	4' WIDTH
LT. 120+97	40	5' WIDTH
LT. 121+10	45	5' WIDTH
PROJECT TOTAL		
	2,279	
44000600		

CLASS D PATCHES, TYPE II, 7 INCH		
STATION	SQ YD	REMARKS
AVENUE G, MAINLINE		
RT., 46+80 TO 46+91	6.1	5' WIDTH
LT., 46+80 TO 46+91	6.1	5' WIDTH
PROJECT TOTAL		
	12.2	
44201729		

CLASS D PATCHES, TYPE III, 7 INCH		
STATION	SQ YD	REMARKS
AVENUE G, MAINLINE		
RT., 42+50 TO 42+70	22.2	10' WIDTH
RT., 43+80 TO 43+93	15.2	10.5' WIDTH
PROJECT TOTAL		
	37.4	
44201733		

CLASS D PATCHES, TYPE IV, 7 INCH		
STATION	SQ YD	REMARKS
AVENUE G, MAINLINE		
RT., 42+92 TO 43+64	80.0	10' WIDTH
LT., 43+18 TO 43+80	37.9	5.5' WIDTH
LT., 44+47 TO 45+20	77.0	7' TO 10' WIDTH
RT., 48+13 TO 48+90	132.6	FULL WIDTH NORTHBOUND LANE
LT., 48+13 TO 48+90	132.6	FULL WIDTH SOUTHBOUND LANE
PROJECT TOTAL		
	460.1	
44201735		

FILE NAME =



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CHECKED - BDF	REVISED -
DATE - 07/13/2009	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE

SCHEDULE OF QUANTITIES

SCALE:

SHEET NO. 5 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	5
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

ROADWAY SCHEDULES

SAW CUTS		
STATION	FOOT	REMARKS
AVENUE G, MAINLINE		
RT., 46+80 TO 46+91	32	5' WIDTH
LT., 46+80 TO 46+91	32	5' WIDTH
RT., 42+50 TO 42+70	60	10' WIDTH
RT., 43+80 TO 43+93	47	10.5' WIDTH
RT., 42+92 TO 43+64	164	10' WIDTH
LT., 43+18 TO 43+80	135	5.5' WIDTH
LT., 44+47 TO 45+20	163	7' TO 10' WIDTH
RT., 48+13 TO 48+90	185	FULL WIDTH NORTHBOUND LANE
LT., 48+13 TO 48+90	185	FULL WIDTH SOUTHBOUND LANE
PROJECT TOTAL	1,003	

44213200

AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A		
STATION	SQ YD	REMARKS
AVENUE G		
STA. 10+34 TO 50+70	13,220	MAINLINE ONLY
16TH AVENUE		
STA. 113+76 TO 121+70	2,950	MAINLINE ONLY
PROJECT TOTAL	16,170	

44300300

WATER VALVES TO BE ADJUSTED		
STATION	EACH	REMARKS
AVENUE G, MAINLINE		
RT 8', 17+28	1	
RT 5', 21+33	1	
RT 12', 24+05	1	
16TH AVENUE, MAINLINE		
RT 18', 103+40	1	
RT 4', 103+42	1	
RT 18', 114+34	1	
PROJECT TOTAL	6	

56109210

THERMOPLASTIC PAVEMENT MARKING - LINE 4"		
STATION	FOOT	REMARKS
AVENUE G, MAINLINE		
¢ 10+34 TO 50+61	1,007	CENTER LINE - 10'-30' SP (YELLOW)
16TH AVENUE, MAINLINE		
¢ 100+04 TO 121+70	547	CENTER LINE - 10'-30' SP (YELLOW)
PROJECT TOTAL	1,554	

78000200

MANHOLES TO BE ADJUSTED

STATION	EACH	REMARKS
AVENUE G, MAINLINE		
¢ 13+78	1	
LT 9', 13+86	1	
¢ 17+36	1	
LT 9', 17+50	1	
¢ 21+01	1	
LT 9', 21+12	1	
¢ 23+29	1	
LT 9', 23+88	1	
RT 8', 24+08	1	
¢ 24+23	1	
RT 21', 24+34	1	
RT 2', 25+95	1	
¢ 27+84	1	
¢ 31+53	1	
RT 32', 31+53	1	
RT 20', 35+00	1	
LT 19', 35+01	1	
¢ 35+08	1	
¢ 38+58	1	
¢ 42+08	1	
LT 9', 42+15	1	
¢ 43+85	1	
RT 3', 45+59	1	
LT 3', 45+65	1	
LT 9', 45+69	1	
¢ 47+23	1	
RT 3', 48+97	1	
LT 9', 49+00	1	
¢ 49+08	1	
LT 9', 49+24	1	
¢ 50+65	1	
16TH AVENUE, MAINLINE		
LT 9', 103+12	1	
¢ 103+32	1	
¢ 106+12	1	
LT 8', 108+15	1	
¢ 108+23	1	
LT 11', 110+27	1	
LT 7', 110+30	1	
LT 19', 111+00	1	
¢ 112+50	1	
RT 4', 114+72	1	
LT 12', 117+10	1	
RT 4', 117+16	1	
RT 3', 121+30	1	
RT 27', 121+42	1	
PROJECT TOTAL	45	

60255500

COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24		
STATION	FOOT	REMARKS
AVENUE G, MAINLINE		
LT, 47+75 TO 50+40	265	
RT, 49+25 TO 50+46	121	
16TH AVENUE, MAINLINE		
LT, 110+70 TO 110+85	27	RADIUS 14TH STREET LT, SOUTH SIDE
LT, 111+17 TO 111+32	31	RADIUS 14TH STREET LT, NORTH SIDE
LT, 113+79 TO 113+95	28	RADIUS 15TH STREET LT, SOUTH SIDE
LT, 114+29 TO 114+43	28	RADIUS 15TH STREET LT, NORTH SIDE
LT, 116+85 TO 117+01	28	RADIUS 16TH STREET LT, SOUTH SIDE
LT, 117+33 TO 117+51	26	RADIUS 16TH STREET LT, NORTH SIDE
LT, 120+91 TO 121+13	36	RADIUS LEFEBVRE ROAD LT, SOUTH SIDE
PROJECT TOTAL	590	

60610400

GENERAL NOTES

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

MILLING MACHINES ON THIS PROJECT SHALL BE CAPABLE OF REMOVING A LAYER OF BITUMINOUS MATERIAL A MINIMUM OF 6' WIDE AND 1-1/2 INCHES IN DEPTH IN A SINGLE PASS. THE MAXIMUM DROP-OFF HEIGHT BETWEEN TRAVELED LANES SHALL BE EQUAL TO OR LESS THAN 1/2". THEREFORE, THE CONTRACTOR SHALL MAKE MULTIPLE MILLING PASSES IN BOTH DIRECTIONS SO THAT THE HEIGHT DIFFERENTIAL IN THE VERTICAL MILLED FACE DOES NOT EXCEED 1/2".

THE CONTRACTOR SHALL PLACE TEMPORARY HOT-MIX ASPHALT TAPERS ALONG ALL SIDES OF THE UTILITY STRUCTURES PROTRUDING ABOVE THE MILLED SURFACE. THE TEMPORARY TAPERS SHALL EXTEND 2' OUTSIDE OF THE CASTINGS, EXCEPT FOR THE APPROACH SIDE TO TRAFFIC, WHICH SHALL HAVE A 4' TAPER. HOT-MIX ASPHALT MEETING THE APPROVAL OF THE ENGINEER SHALL BE USED, AND NO COLD MILLINGS WILL BE ALLOWED. THE COST OF THE MATERIAL, PLACEMENT, MAINTENANCE, REMOVAL, AND DISPOSAL OF SAID WORK WILL BE INCLUDED IN THE PAY ITEM FOR "HOT-MIX ASPHALT SURFACE REMOVAL".

THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HOT-MIX ASPHALT THE SAME DAY, UNLESS OTHERWISE PERMITTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE "JULIE" NUMBER IS 800-892-0123. THE UTILITIES LOCATED WITHIN THE PROJECT LIMITS, OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS, ARE MEMBERS OF "JULIE" AND ARE LISTED ON THE COVER SHEET OF THESE PLANS.

UTILIZATION OF THE PAY ITEM FOR "LEVELING BINDER (HAND METHOD)" SHALL BE AT THE DISCRETION OF THE RESIDENT ENGINEER. A CONTINGENCY AMOUNT OF 100 TONS HAS BEEN PLACED IN THIS CONTRACT.

LEVELING BINDER (HAND METHOD), N50		
STATION	TON	REMARKS
AVENUE G, MAINLINE	50	LOCATION DETERMINED BY RESIDENT ENGR.
16TH AVENUE	50	LOCATION DETERMINED BY RESIDENT ENGR.
PROJECT TOTAL	100	

40600525

THERMOPLASTIC PAVEMENT MARKING - LINE 6"		
STATION	FOOT	REMARKS
AVENUE G, MAINLINE		
L & R 50+55	91	CROSSWALK, SOUTH SIDE OF LEFEBVRE
16TH AVENUE, MAINLINE		
L & R 100+00	55	CROSSWALK, NORTH SIDE OF 5TH
L & R 103+07	58	CROSSWALK, SOUTH SIDE OF 6TH
L & R 103+58	58	CROSSWALK, NORTH SIDE OF 6TH
L & R 120+93	68	CROSSWALK, SOUTH SIDE OF LEFEBVRE
16TH AVENUE, SIDE STREETS		
L 23', 103+31	59	CROSSWALK, WEST SIDE OF 6TH
R 22', 103+31	55	CROSSWALK, EAST SIDE OF 6TH
PROJECT TOTAL	444	

78000400

THERMOPLASTIC PAVEMENT MARKING - LINE 24"		
STATION	FOOT	REMARKS
AVENUE G, MAINLINE		
L 10+35	15	STOP BAR, NORTH SIDE OF 5TH
R 50+44	16	STOP BAR, SOUTH SIDE OF LEFEBVRE
16TH AVENUE, MAINLINE		
L 100+04	13	STOP BAR, NORTH SIDE OF 5TH
R 103+00	13	STOP BAR, SOUTH SIDE OF 6TH
L 103+70	13	STOP BAR, NORTH SIDE OF 6TH
R 120+90	17	STOP BAR, SOUTH SIDE OF LEFEBVRE
L 121+70	18	STOP BAR, NORTH SIDE OF LEFEBVRE
16TH AVENUE, SIDE STREETS		
L 30', 103+18	14	STOP BAR, WEST SIDE OF 6TH
R 30', 103+31	13	STOP BAR, EAST SIDE OF 6TH
PROJECT TOTAL	132	

78000650

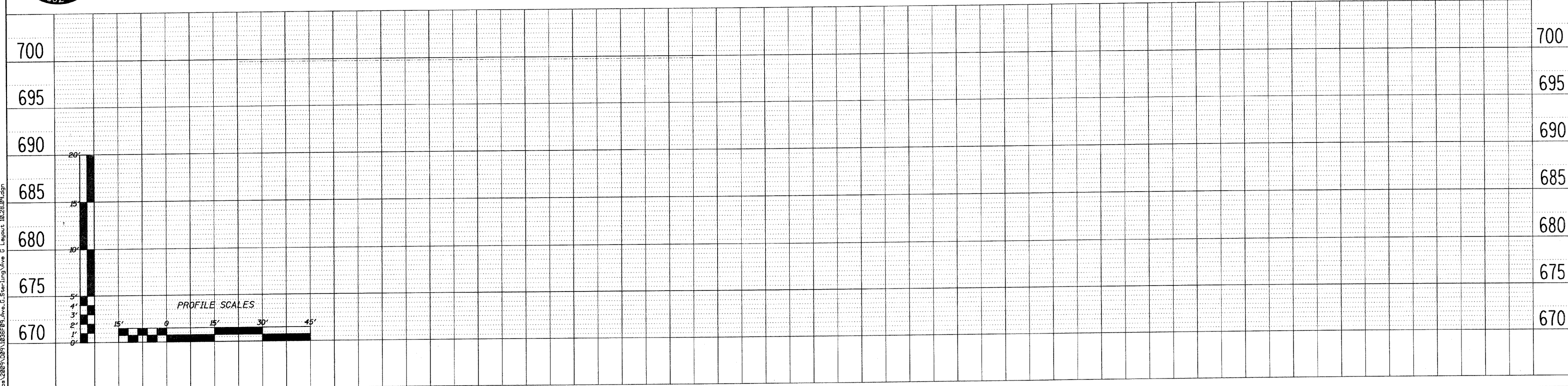
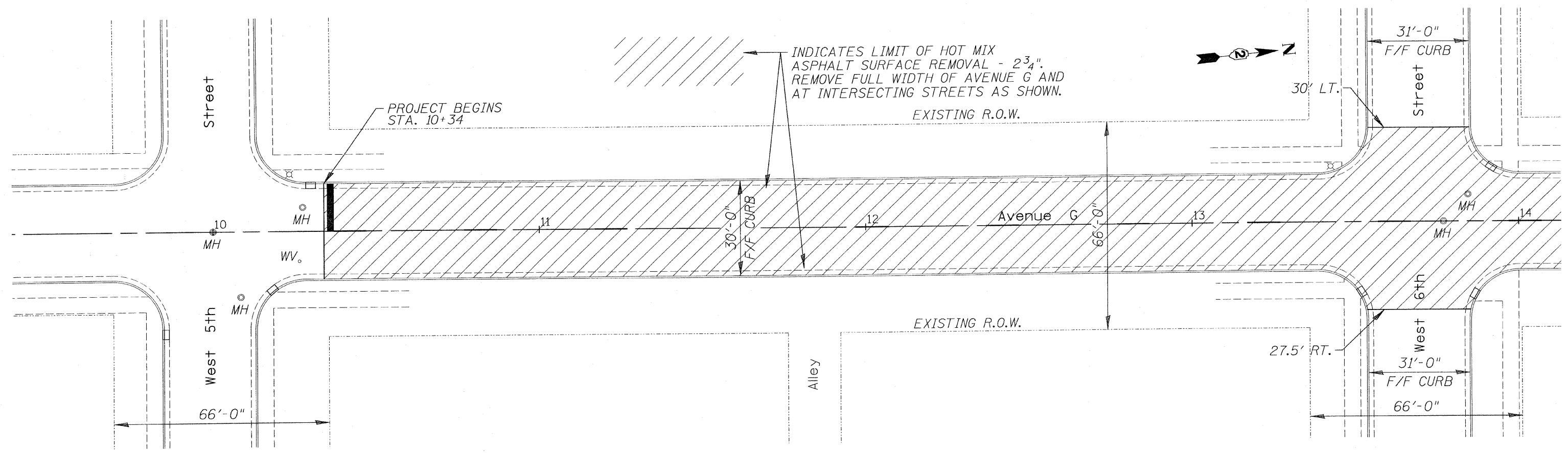
SCHEDULE OF QUANTITIES
GENERAL NOTES

SCALE:

SHEET NO. 6 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	6
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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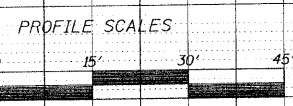
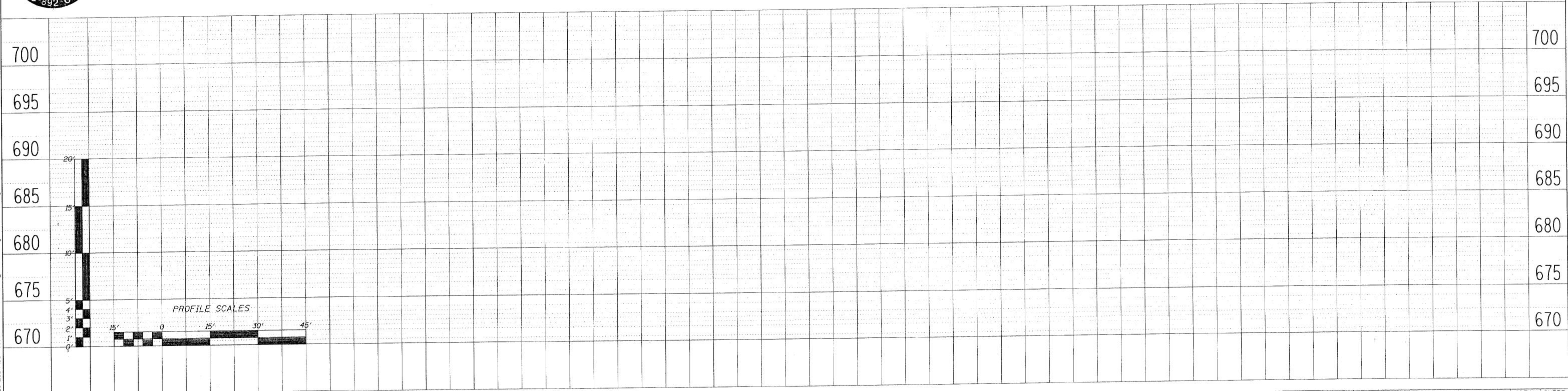
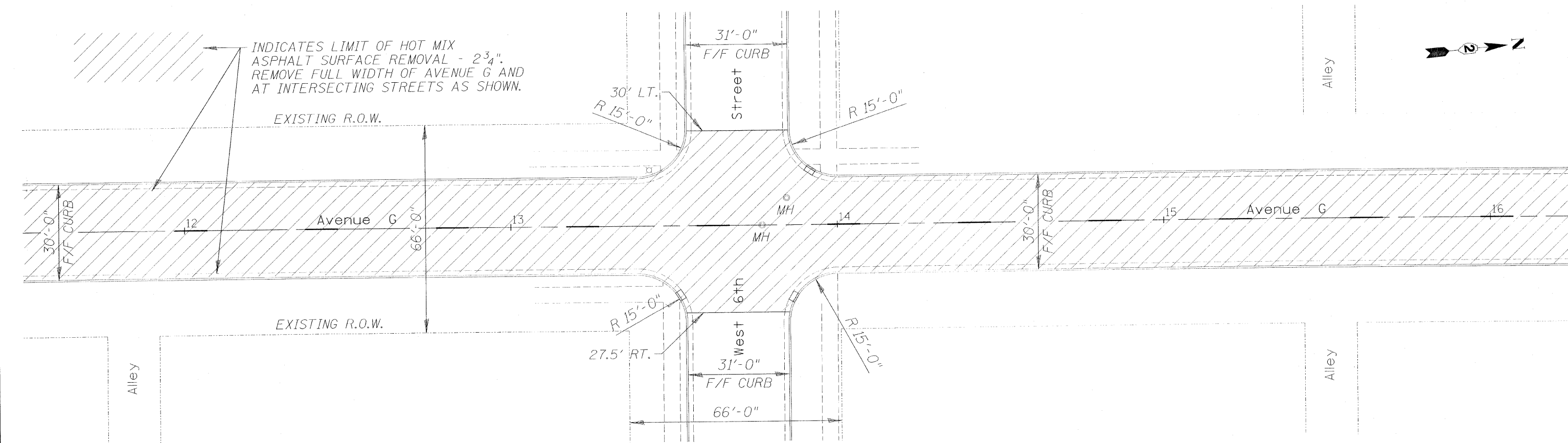
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809 East Second Street Dixon, IL 61021
Phone 815.294.5381 Fax 815.294.5385
Design Firm #194-00918
www.willetthofmann.com

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CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE
SCALE: SHEET NO. 7 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	7
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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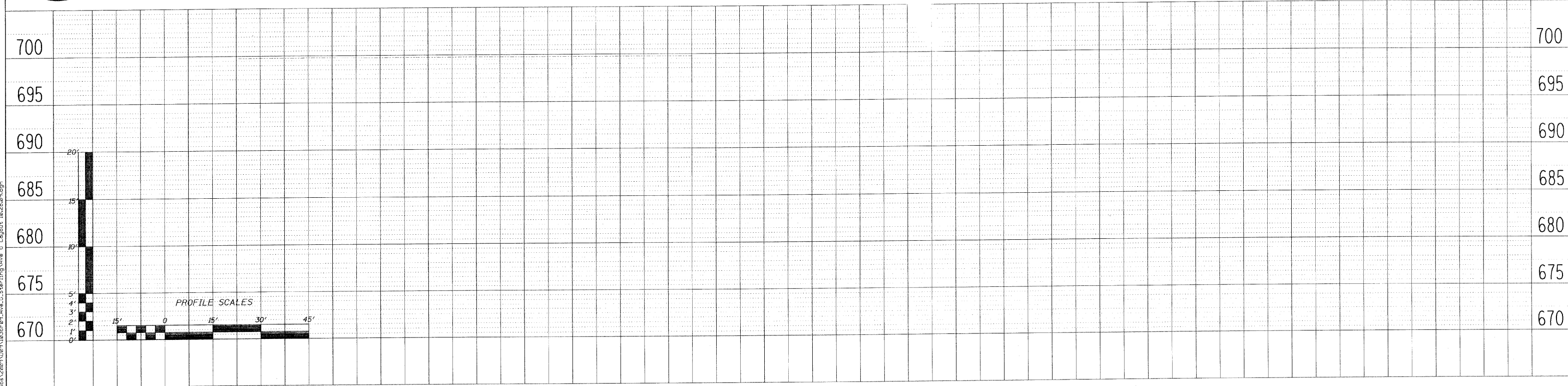
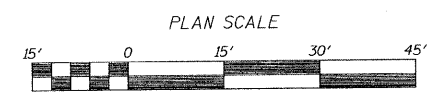
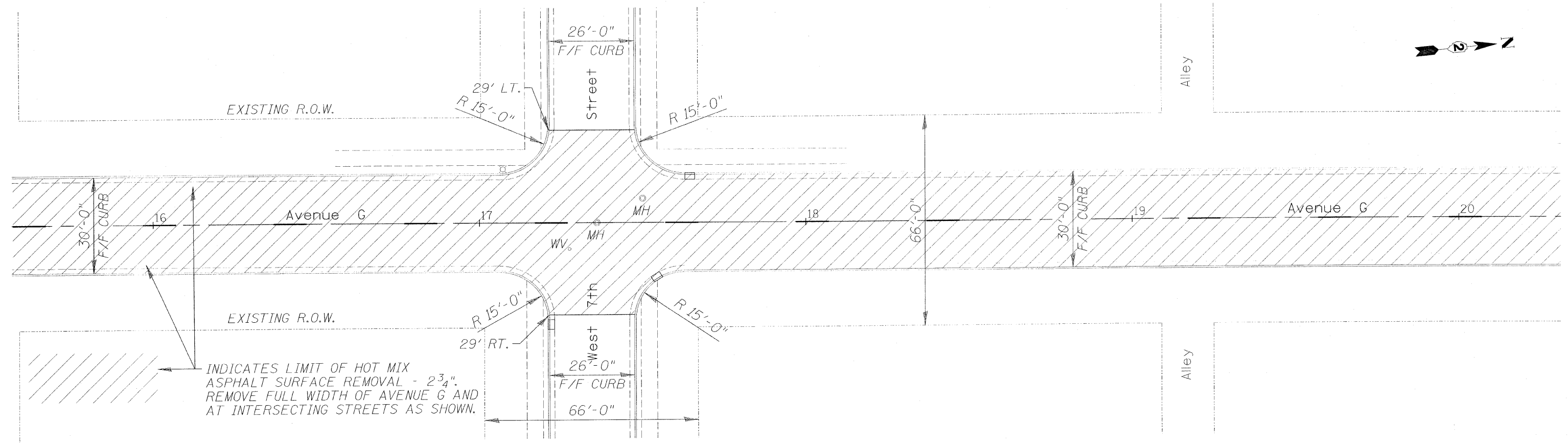
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Phone: 815.284.3381 Fax: 815.284.3385
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DATE		REVISED	

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE
SCALE: SHEET NO. 8 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	8
				CONTRACT NO. 85495
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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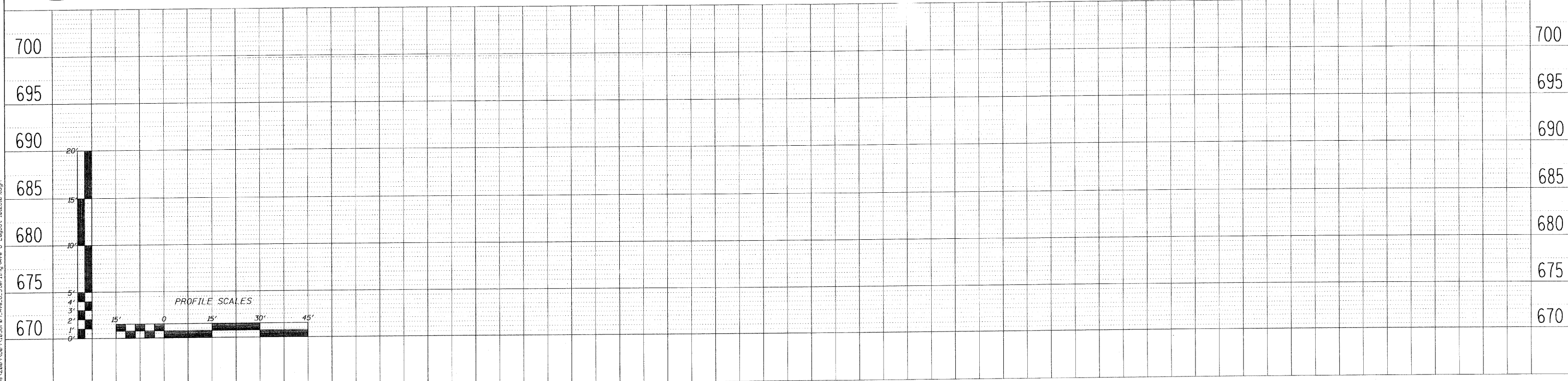
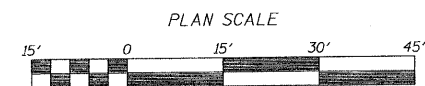
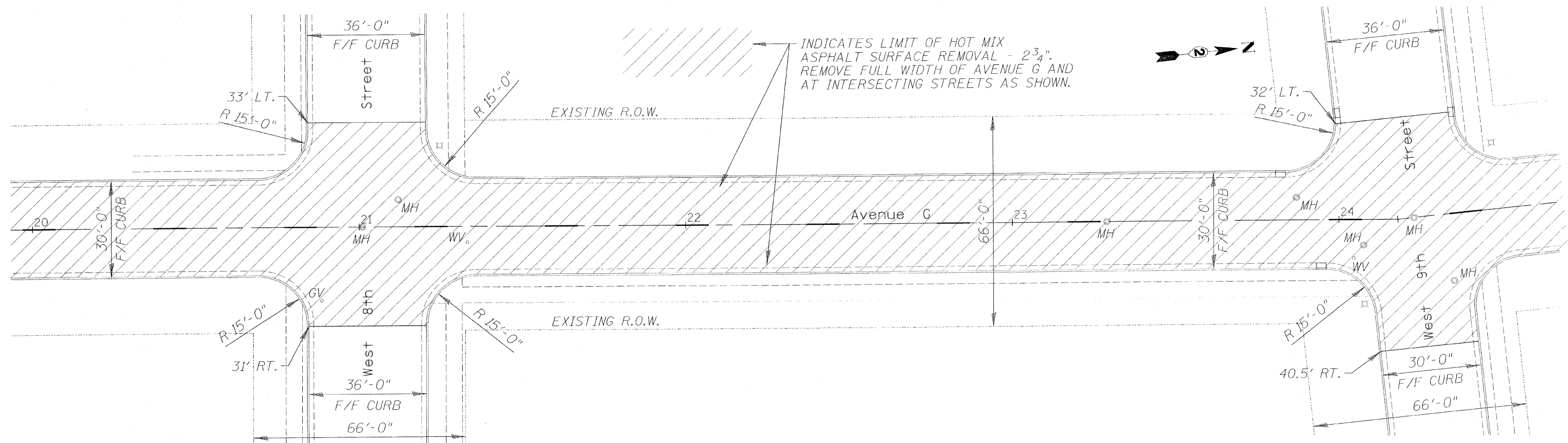
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DRAWN - JDH	REVISED -
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DATE -	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE

SCALE: SHEET NO. 9 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	9
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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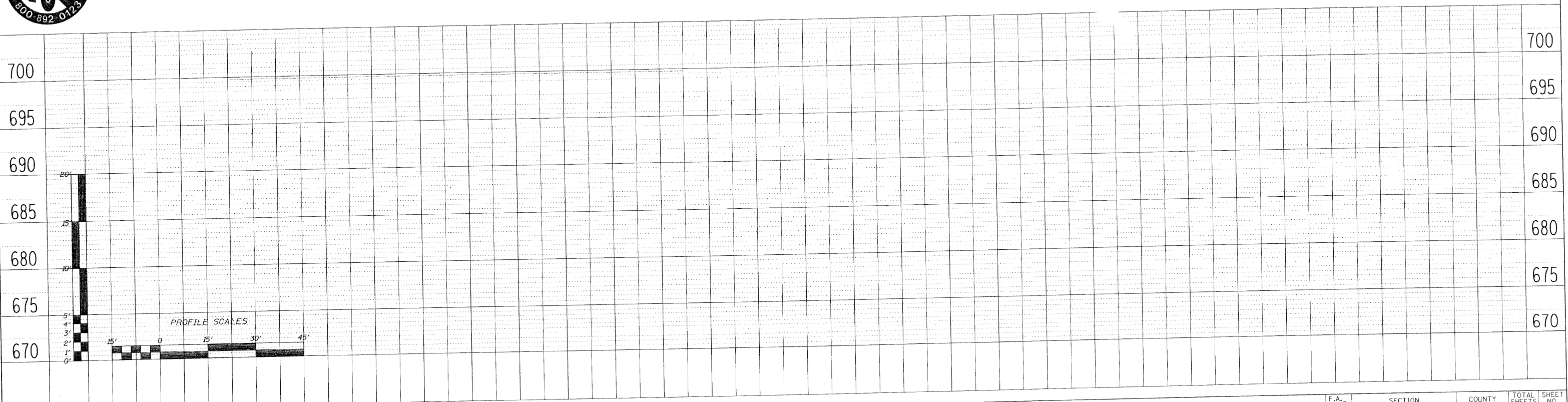
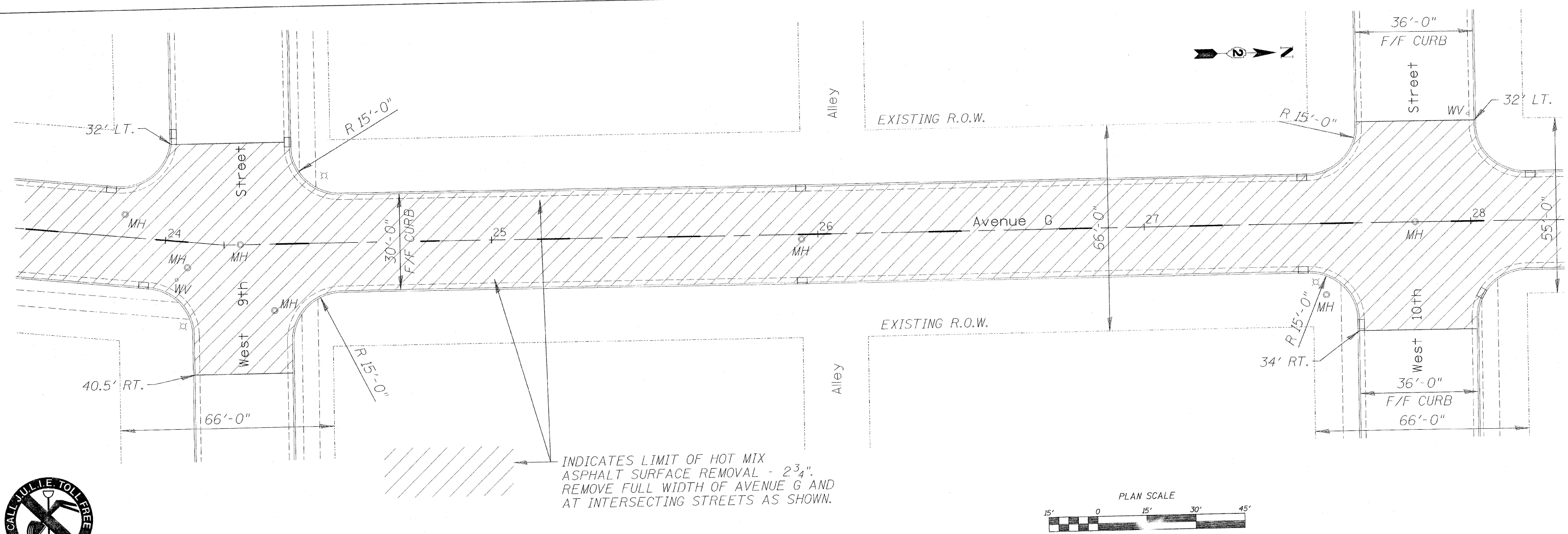
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DRAWN - JDH	REVISED -
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DATE -	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE

SCALE: SHEET NO. 10 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	10
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



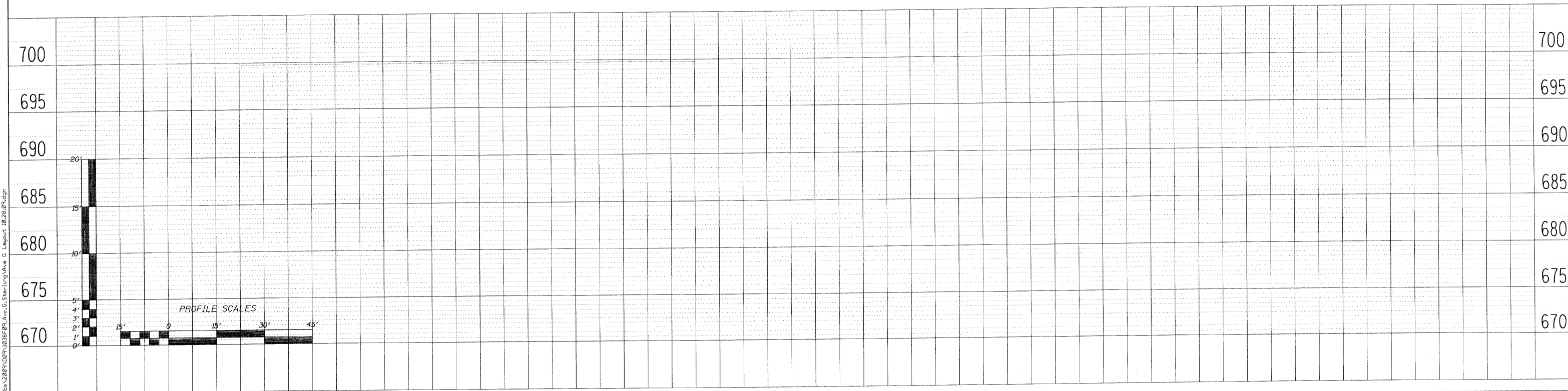
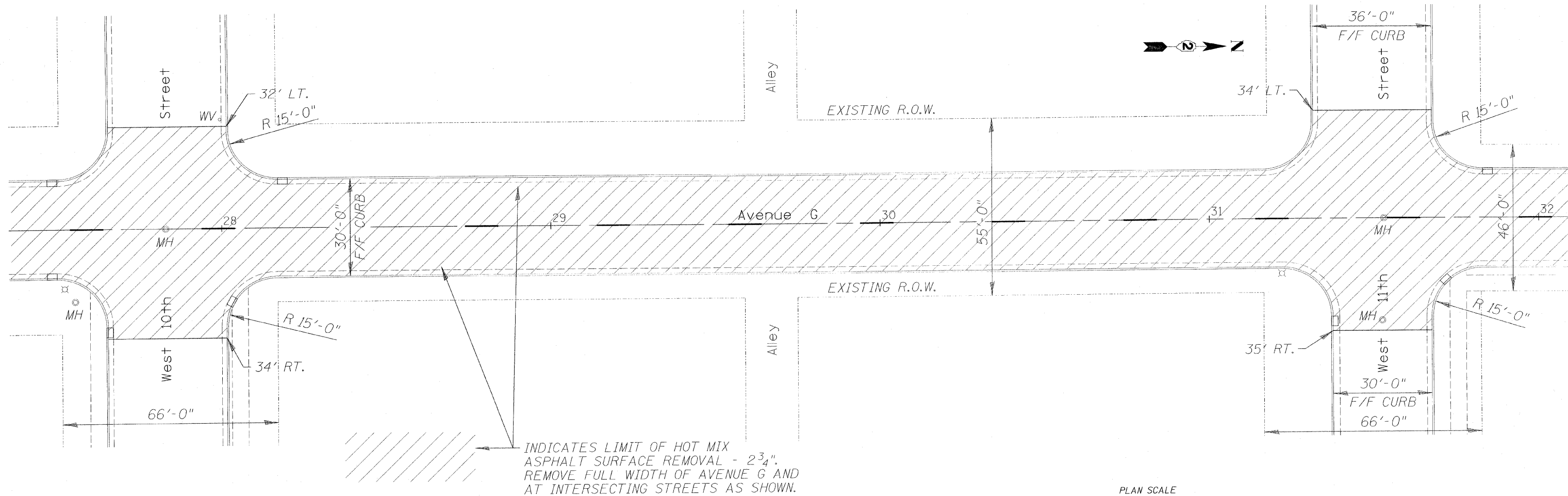
 WILLETT, HOFMANN & ASSOCIATES, INC. CONSULTING ENGINEERS 609 East Second Street Dixon, IL 61021 Phone 815.284.3381 Fax 815.284.3385 Design Firm #104-00618 www.willett-hofmann.com	DESIGNED - BDF	REVISED -	CITY OF STERLING, ILLINOIS AVENUE G - 5TH STREET TO LE FEVRE RD.	AVENUE G PLAN & PROFILE		RTE. 09-00147-00-RS	SHEETS 31	NO. 11	
	DRAWN - JDH	REVISED -		SCALE:	SHEET NO. 11 OF 31 SHEETS	WHITESIDE CONTRACT NO. 85495	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
	CHECKED - BDF	REVISED -							
	DATE -	REVISED -							

CITY OF STERLING, ILLINOIS
AVENUE G – 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE		
SCALE:	SHEET NO. 11 OF 31 SHEETS	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	11
		CONTRACT NO. 85495		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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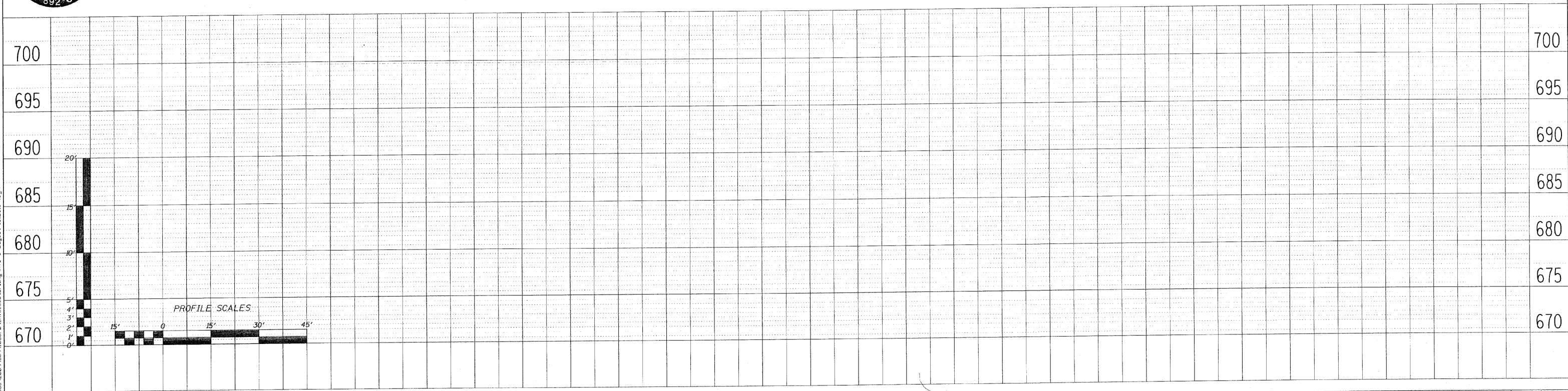
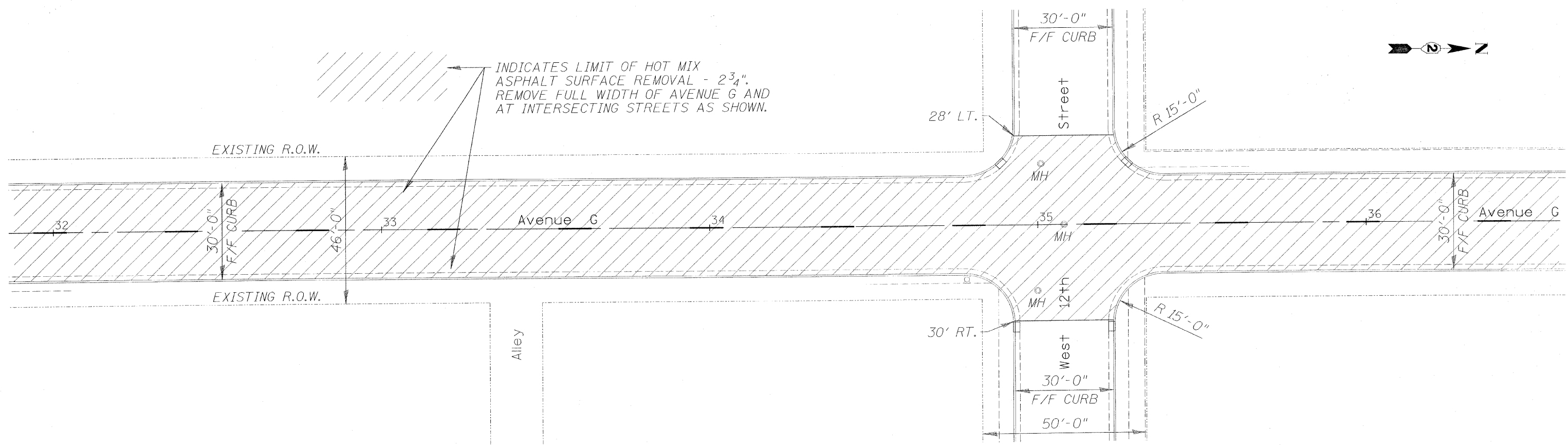
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CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE
SCALE: SHEET NO. 12 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	12
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

INDICATES LIMIT OF HOT MIX ASPHALT SURFACE REMOVAL - 2 3/4". REMOVE FULL WIDTH OF AVENUE G AND AT INTERSECTING STREETS AS SHOWN.



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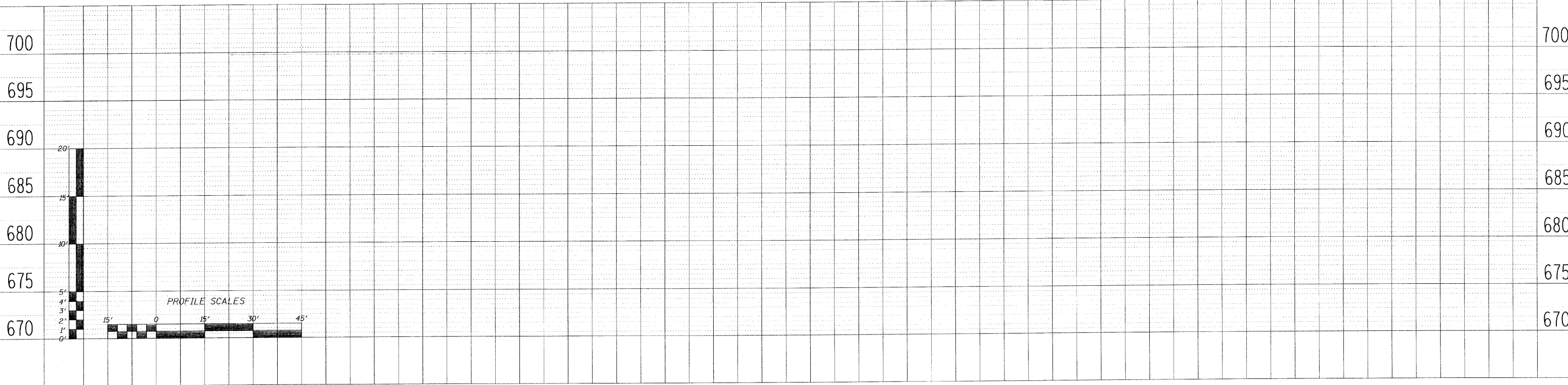
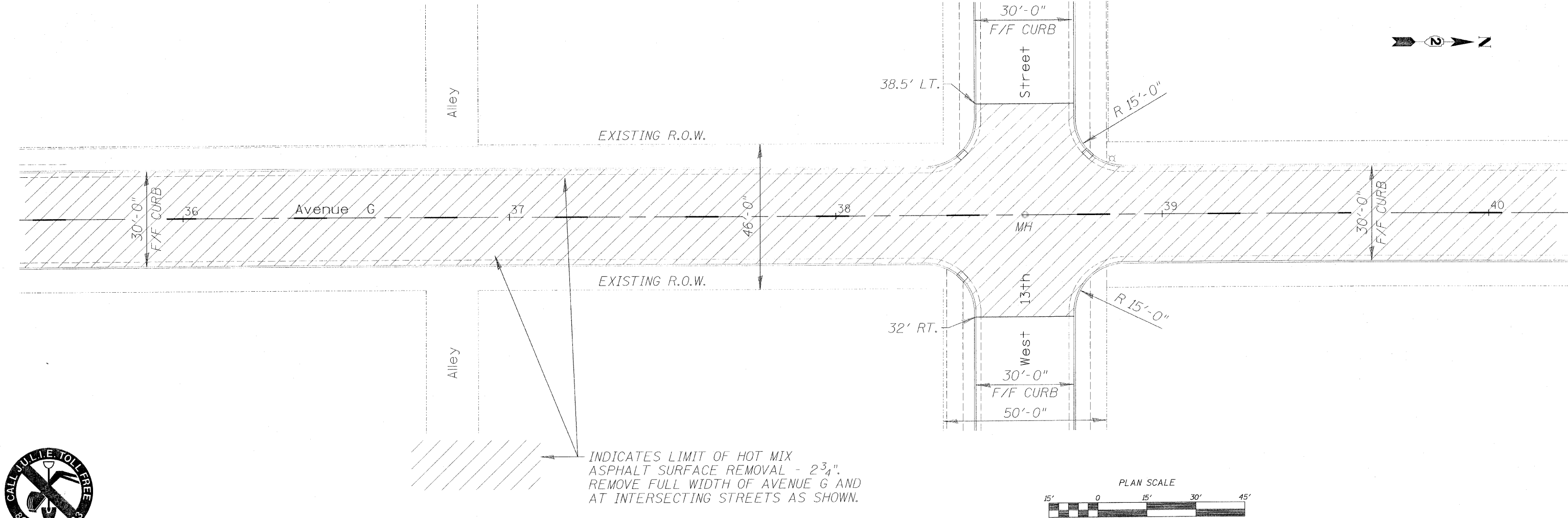
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DRAWN - JDH	REVISED -
CHECKED - BDF	REVISED -
DATE -	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE

SCALE: SHEET NO. 13 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	13
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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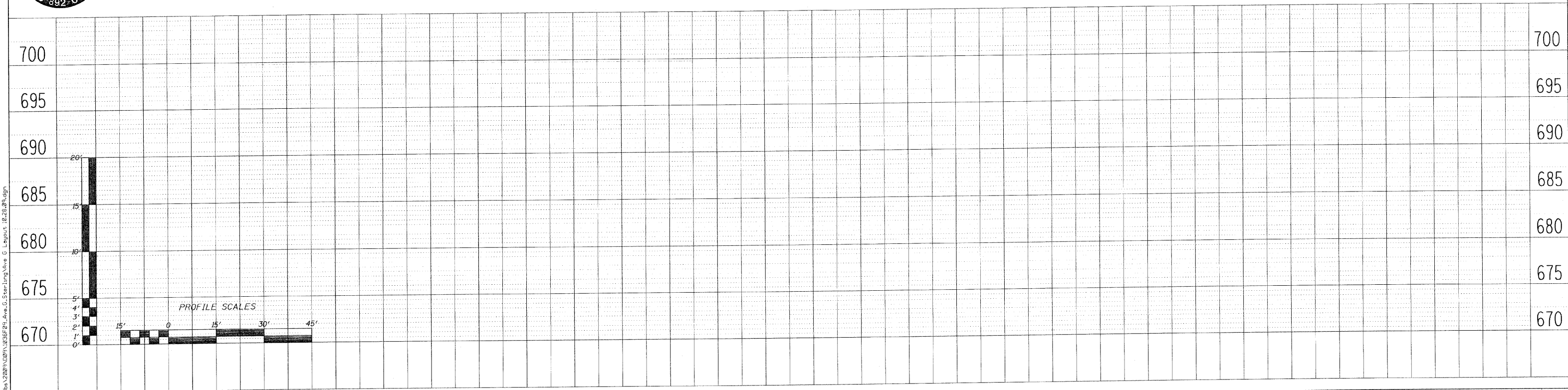
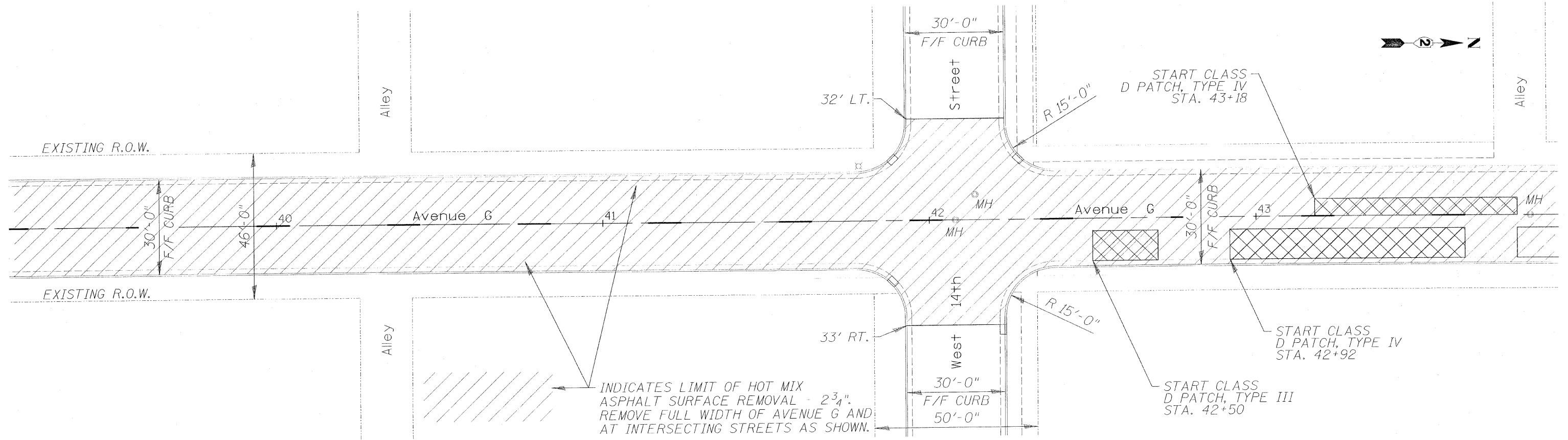
WILLETT, HOFMANN & ASSOCIATES, INC.
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809 East Second Street, Dixon, IL 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm #184-00918
www.willett-hofmann.com

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CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE
SCALE: SHEET NO. 14 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	14
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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809 East Second Street Dixon, IL 61021
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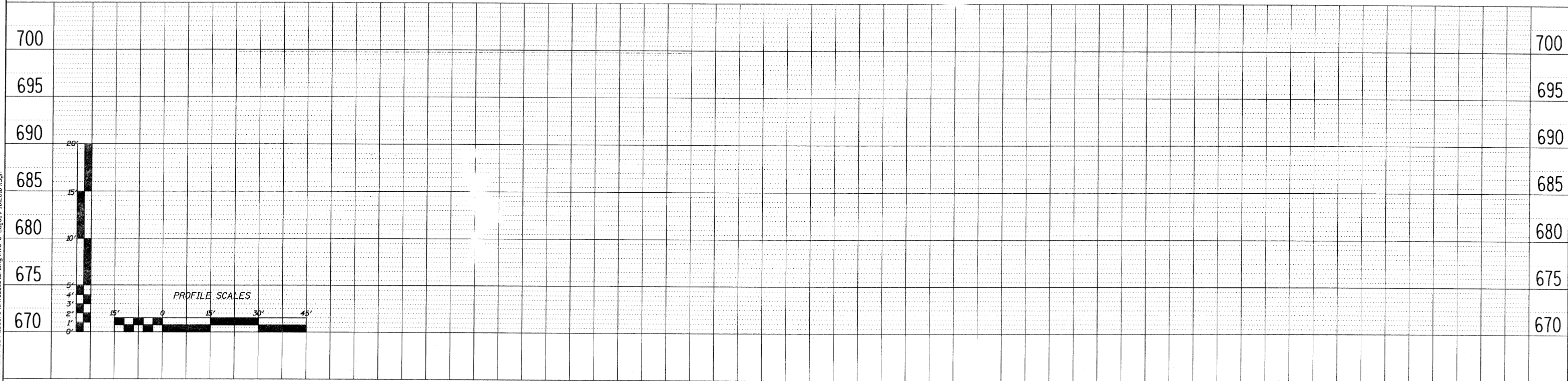
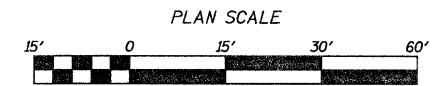
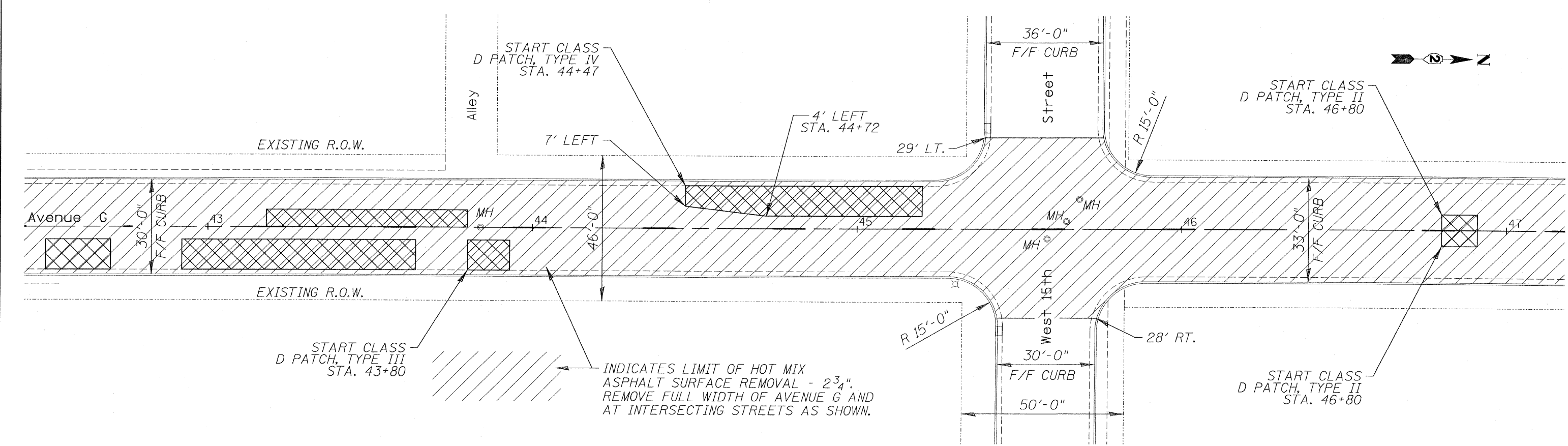
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CHECKED - BDF	REVISED -
DATE -	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE

SCALE: SHEET NO. 15 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	15
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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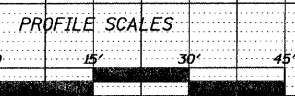
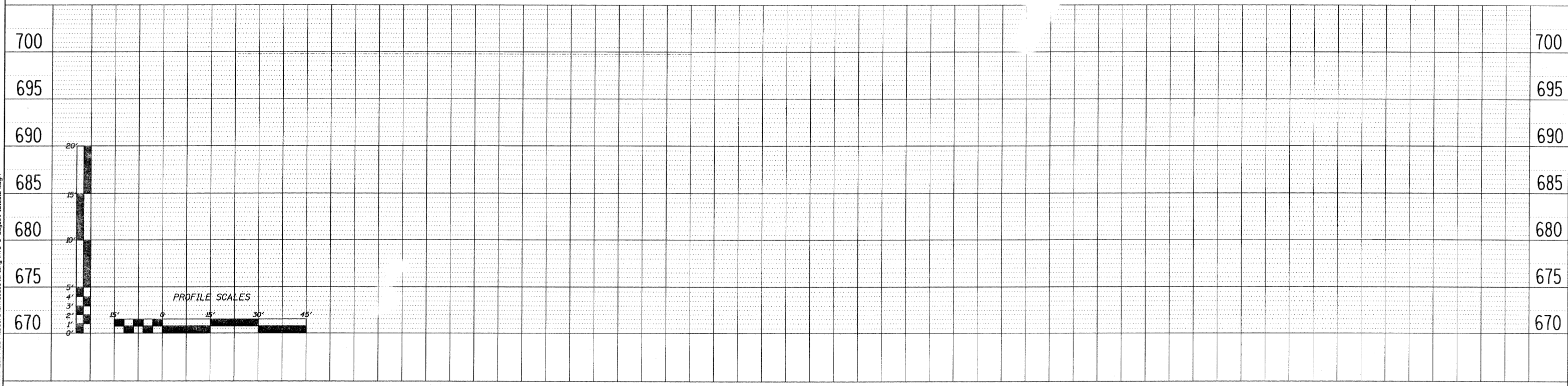
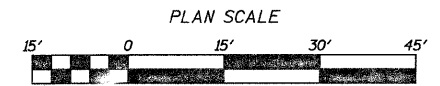
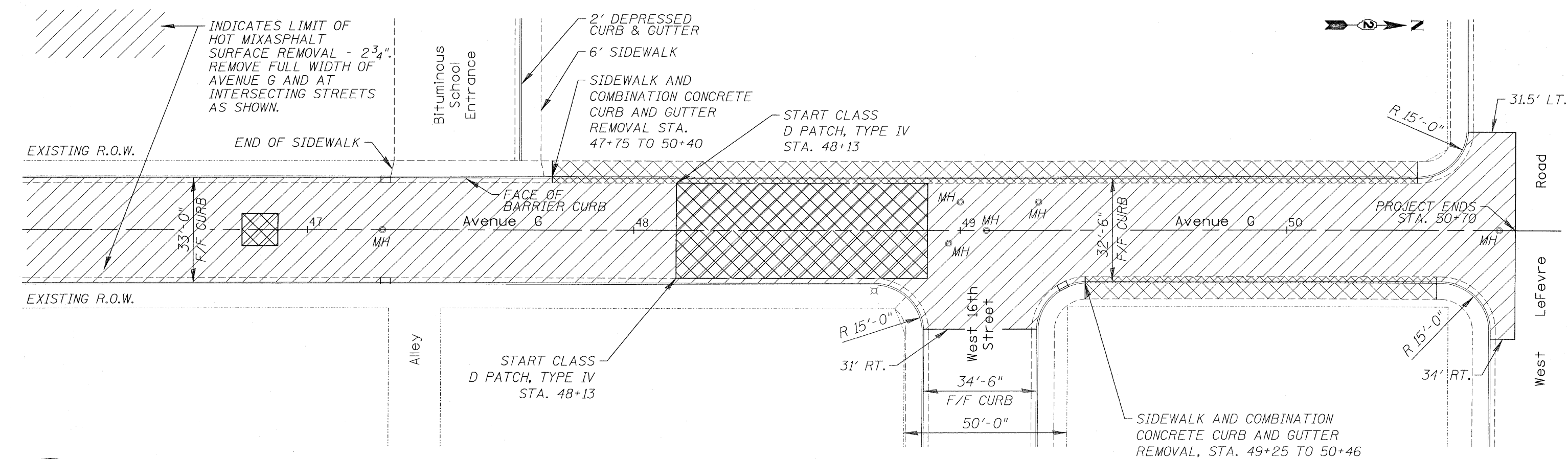
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CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE
SCALE: SHEET NO. 16 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	16
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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DATE -	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PLAN & PROFILE

SCALE: SHEET NO. 17 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	17
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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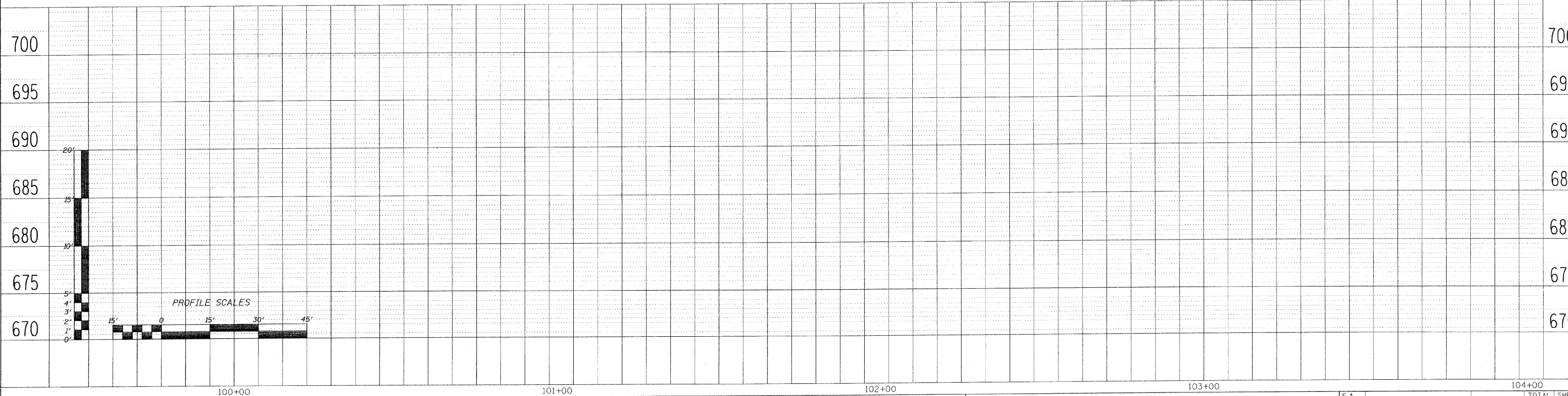
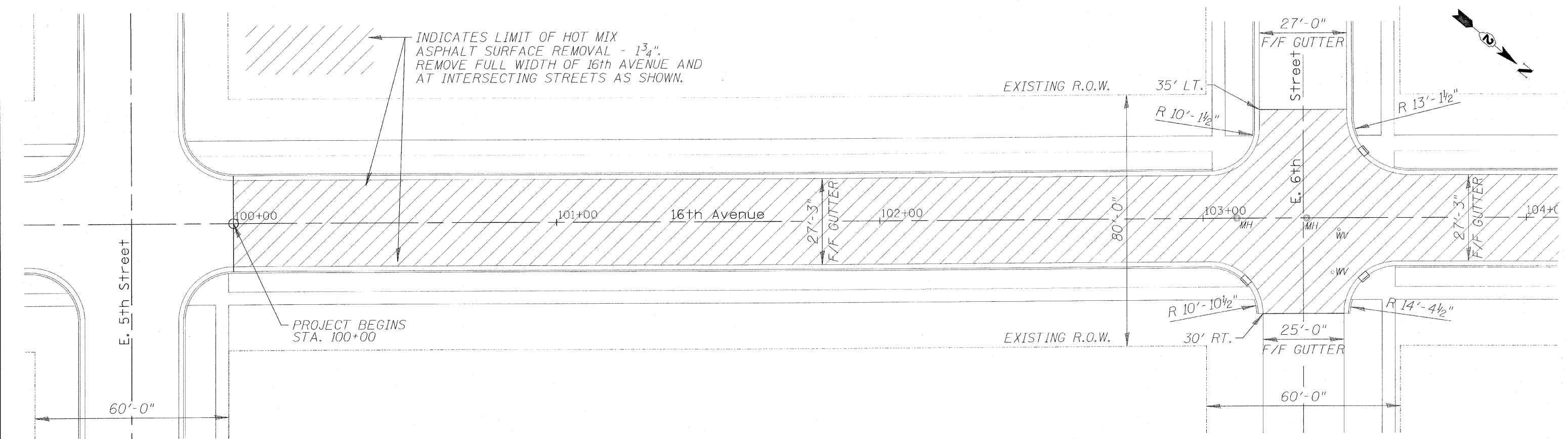
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CHECKED -	BDF	REVISED -	
DATE		REVISED	

CITY OF STERLING, ILLINOIS
AVENUE G - 5TH STREET TO LE FEVRE RD.

AVENUE G PAVEMENT MARKINGS

SCALE: SHEET NO. 18 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	18
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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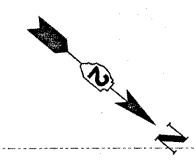
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DATE	REVISED -

CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

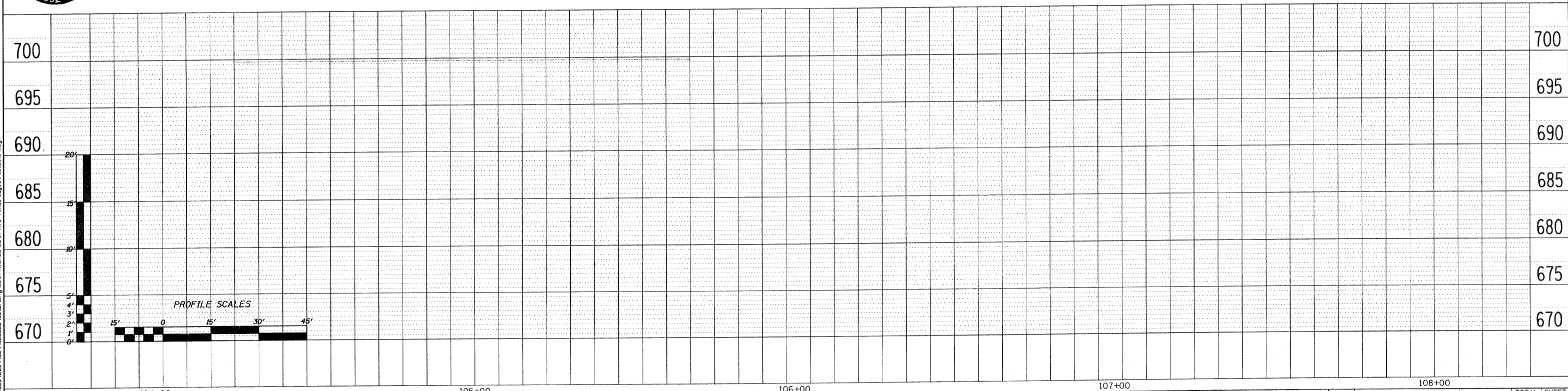
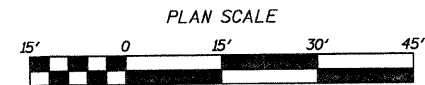
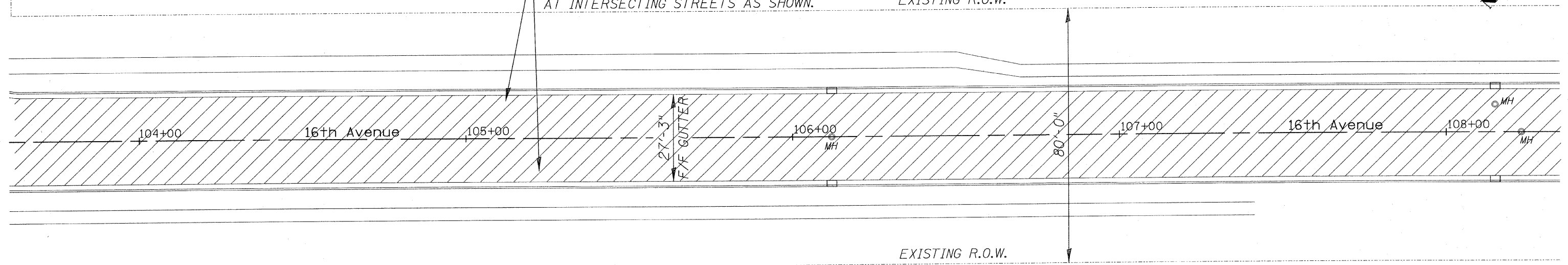
16TH AVENUE PLAN & PROFILE

SCALE: SHEET NO. 19 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	19
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



INDICATES LIMIT OF HOT MIX ASPHALT SURFACE REMOVAL - 1 3/4". REMOVE FULL WIDTH OF 16th AVENUE AND AT INTERSECTING STREETS AS SHOWN.



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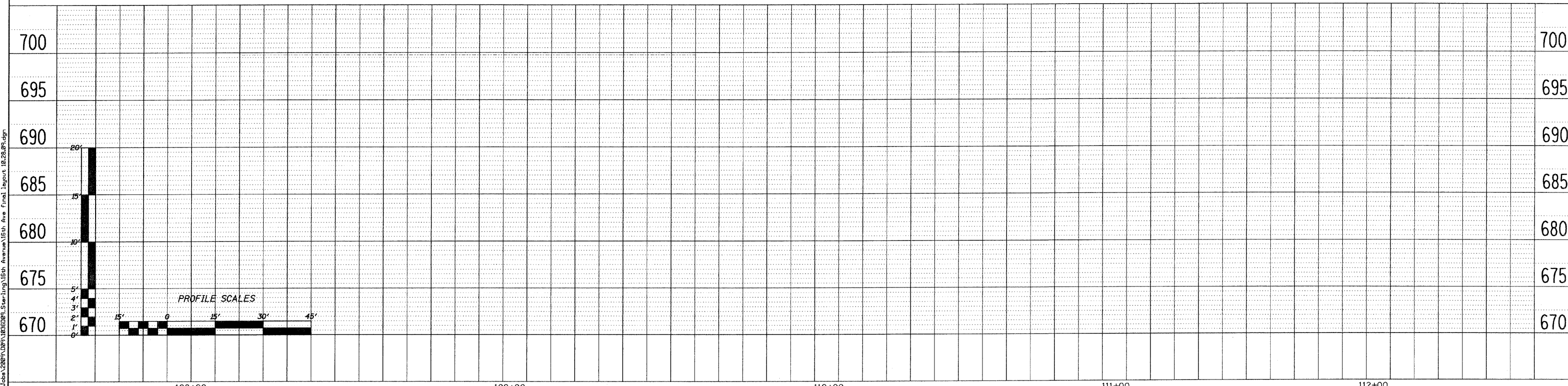
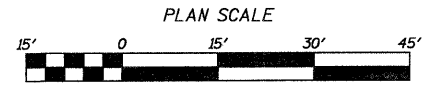
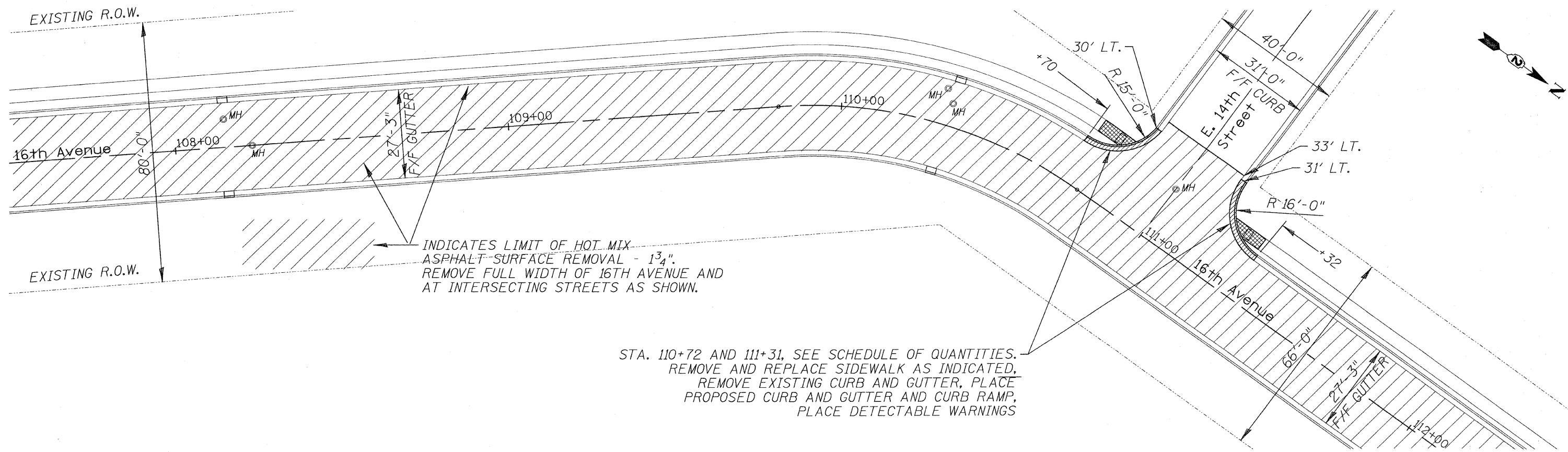
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CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PLAN & PROFILE

SCALE: SHEET NO. 20 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	20
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



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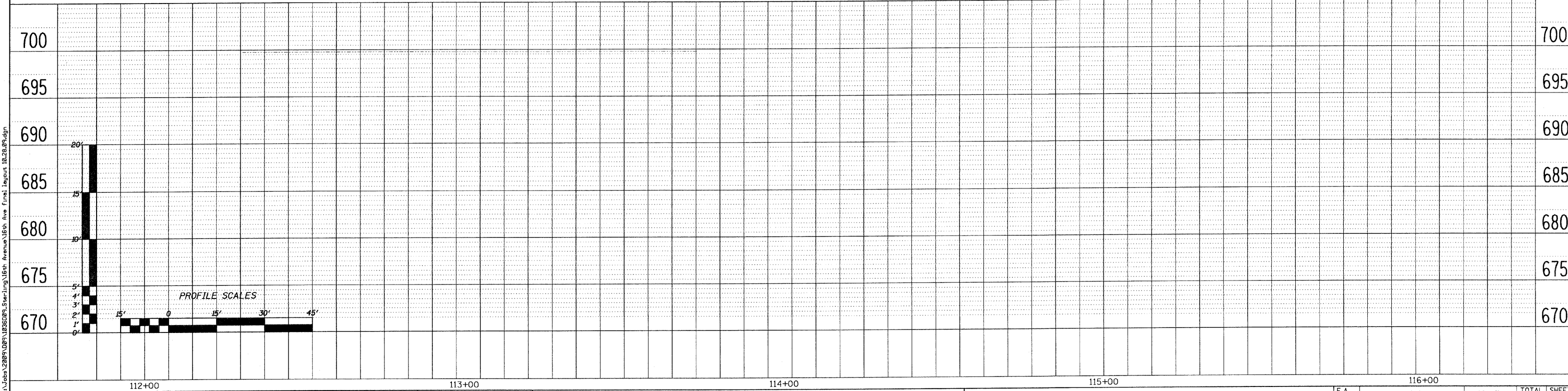
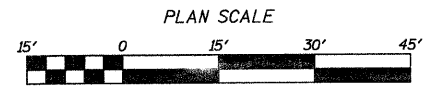
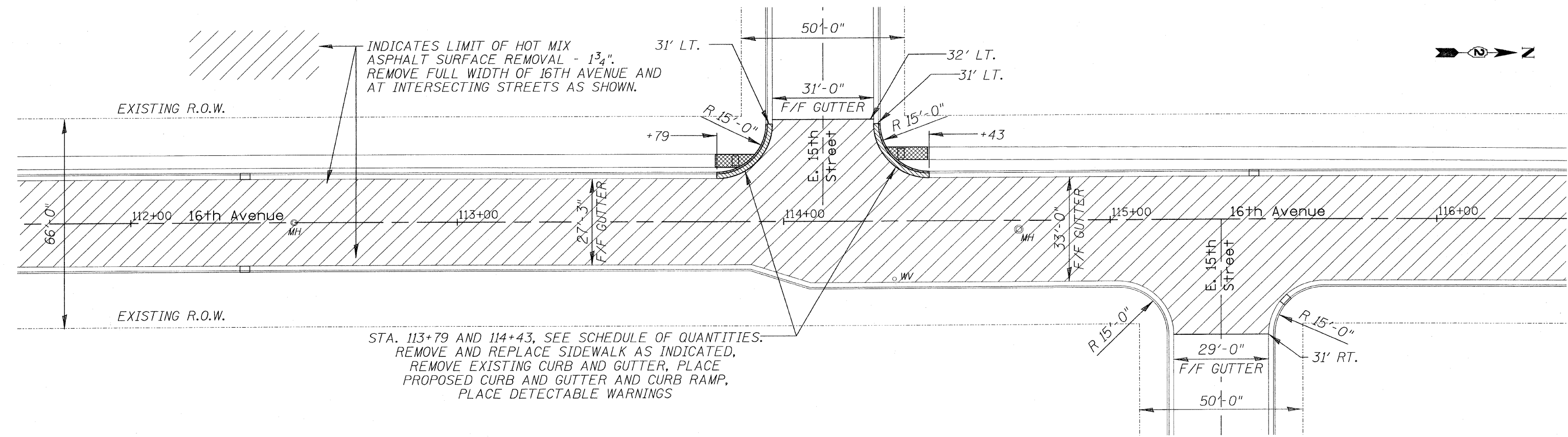
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CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PLAN & PROFILE
SCALE: SHEET NO. 21 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	21
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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DRAWN - JDH	REVISED -
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DATE -	REVISED -

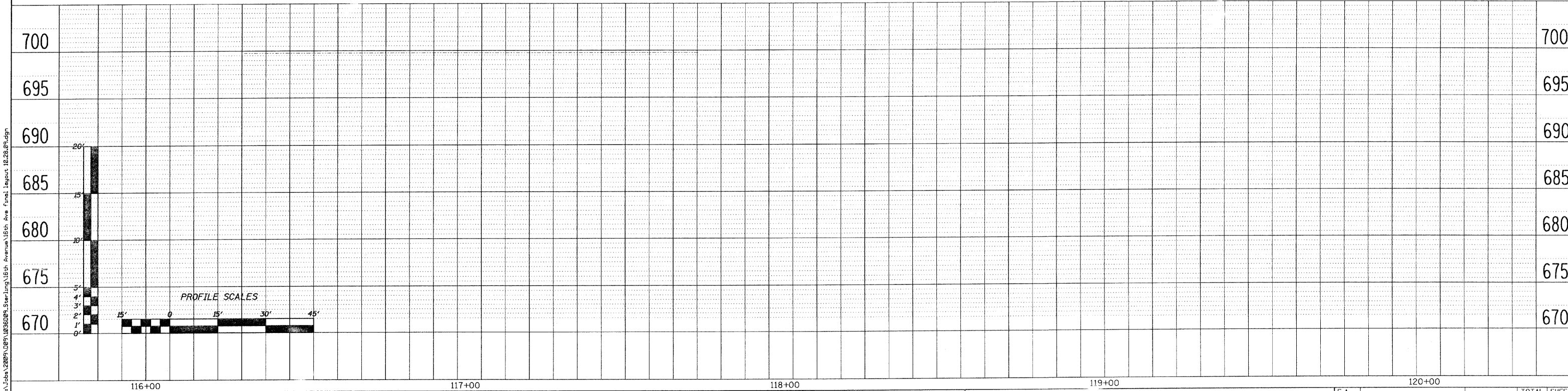
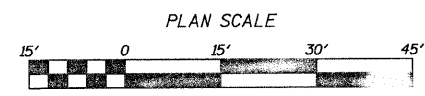
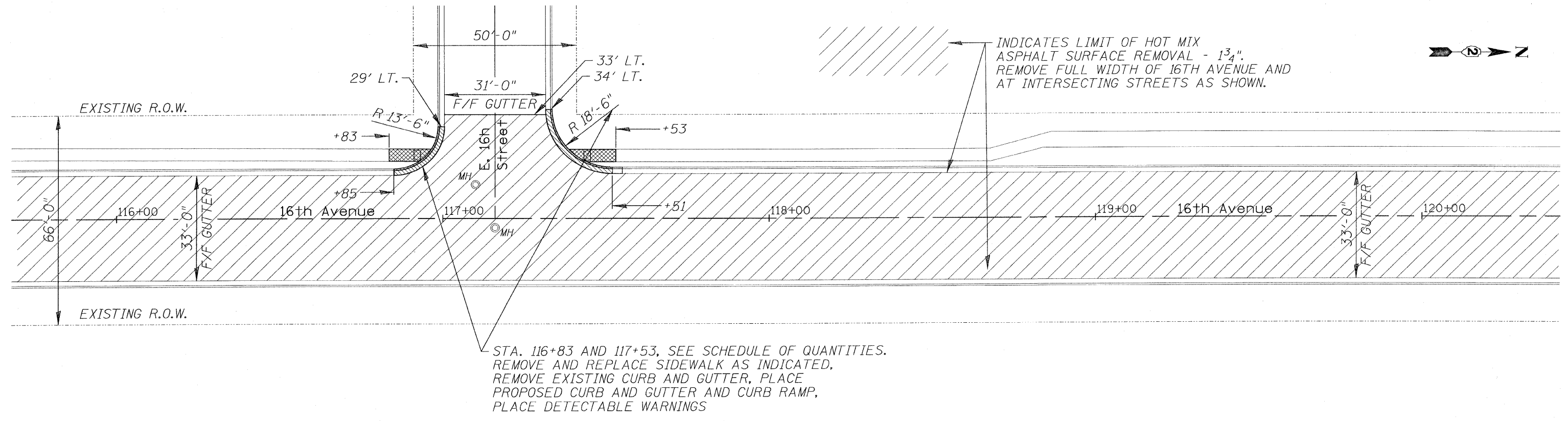
CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PLAN & PROFILE

SCALE: SHEET NO. 22 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	22
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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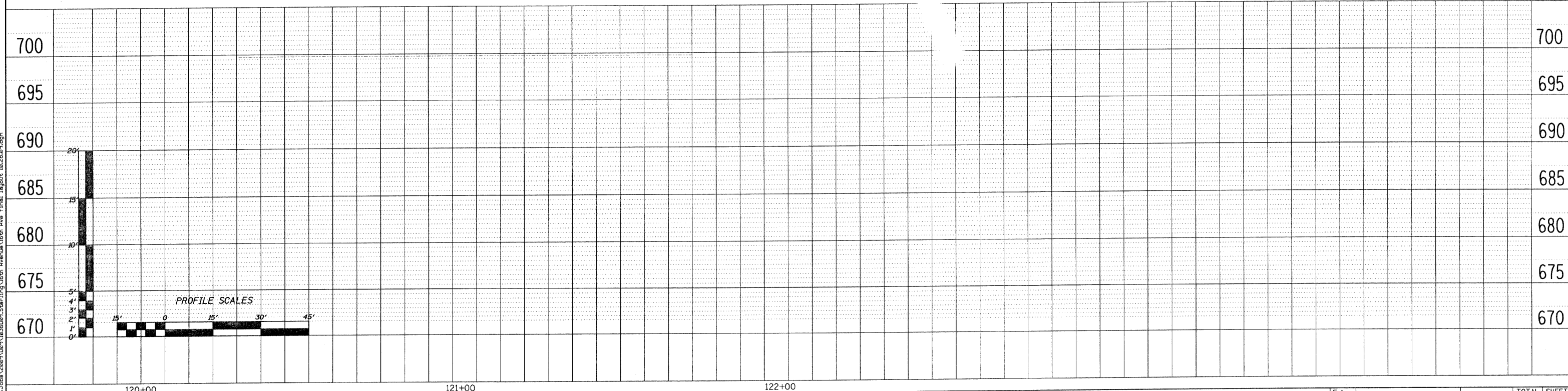
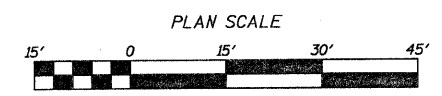
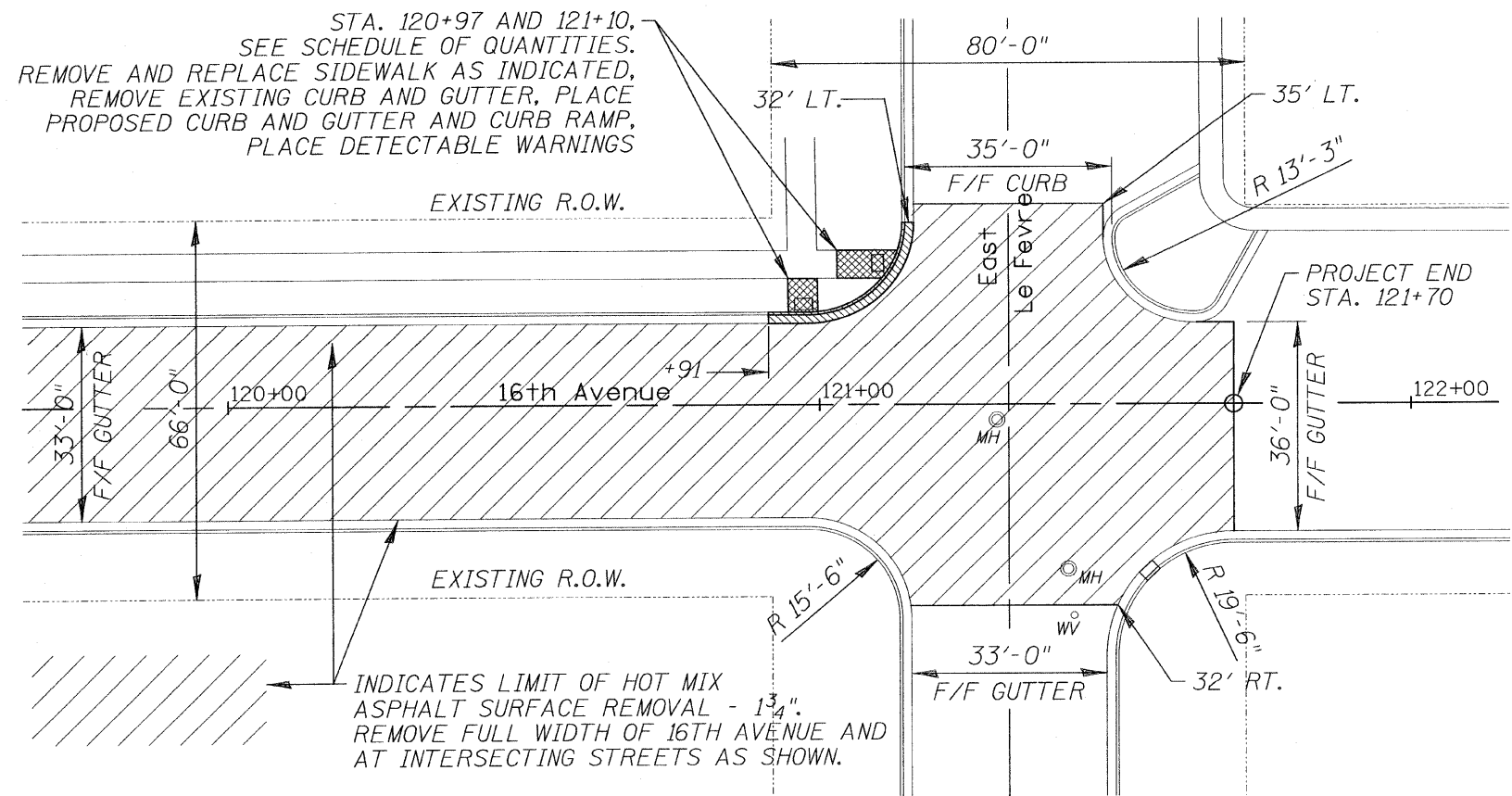
CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PLAN & PROFILE

SCALE: SHEET NO. 23 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	23
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 85495	

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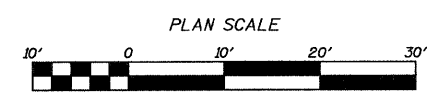
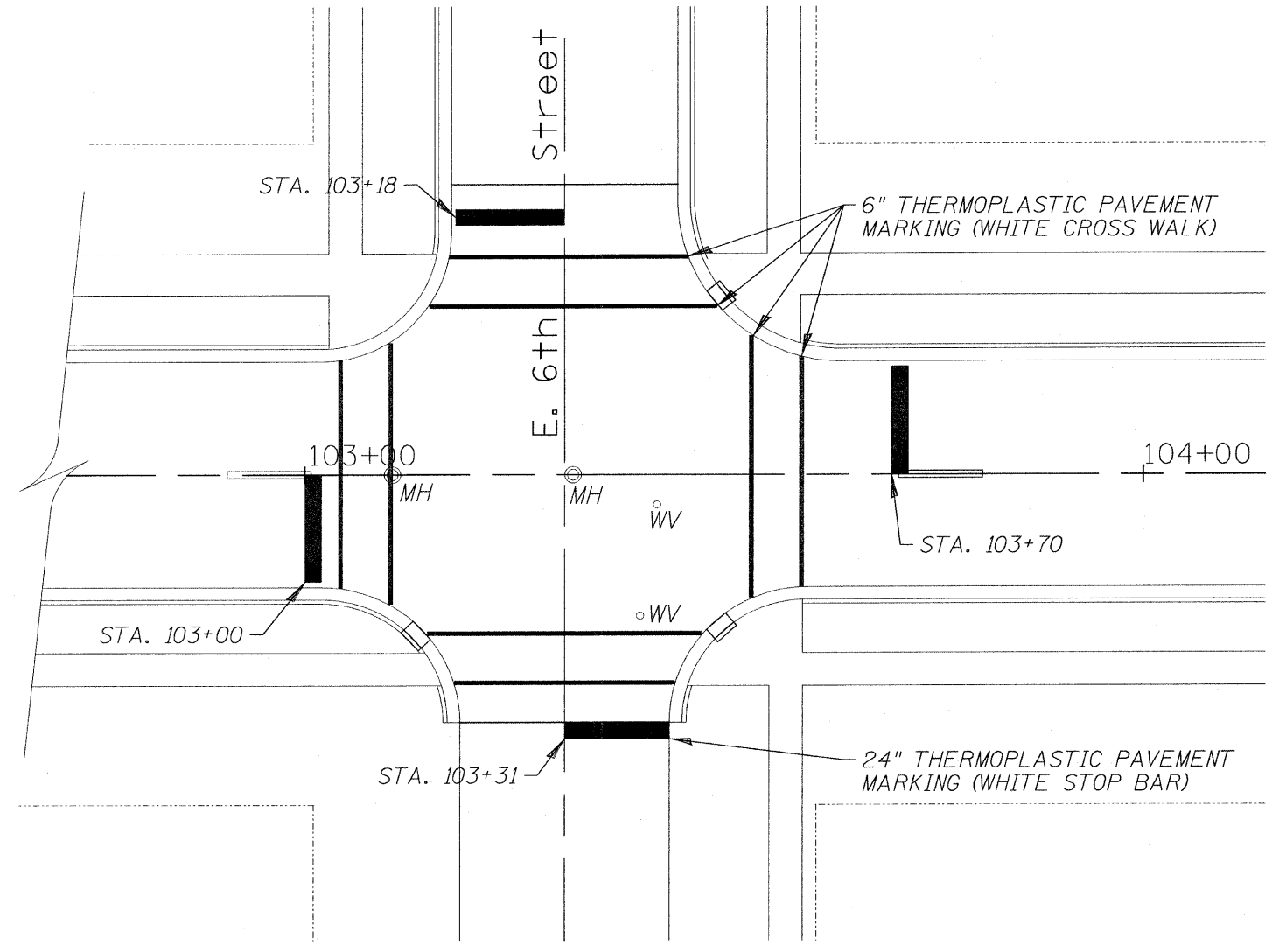
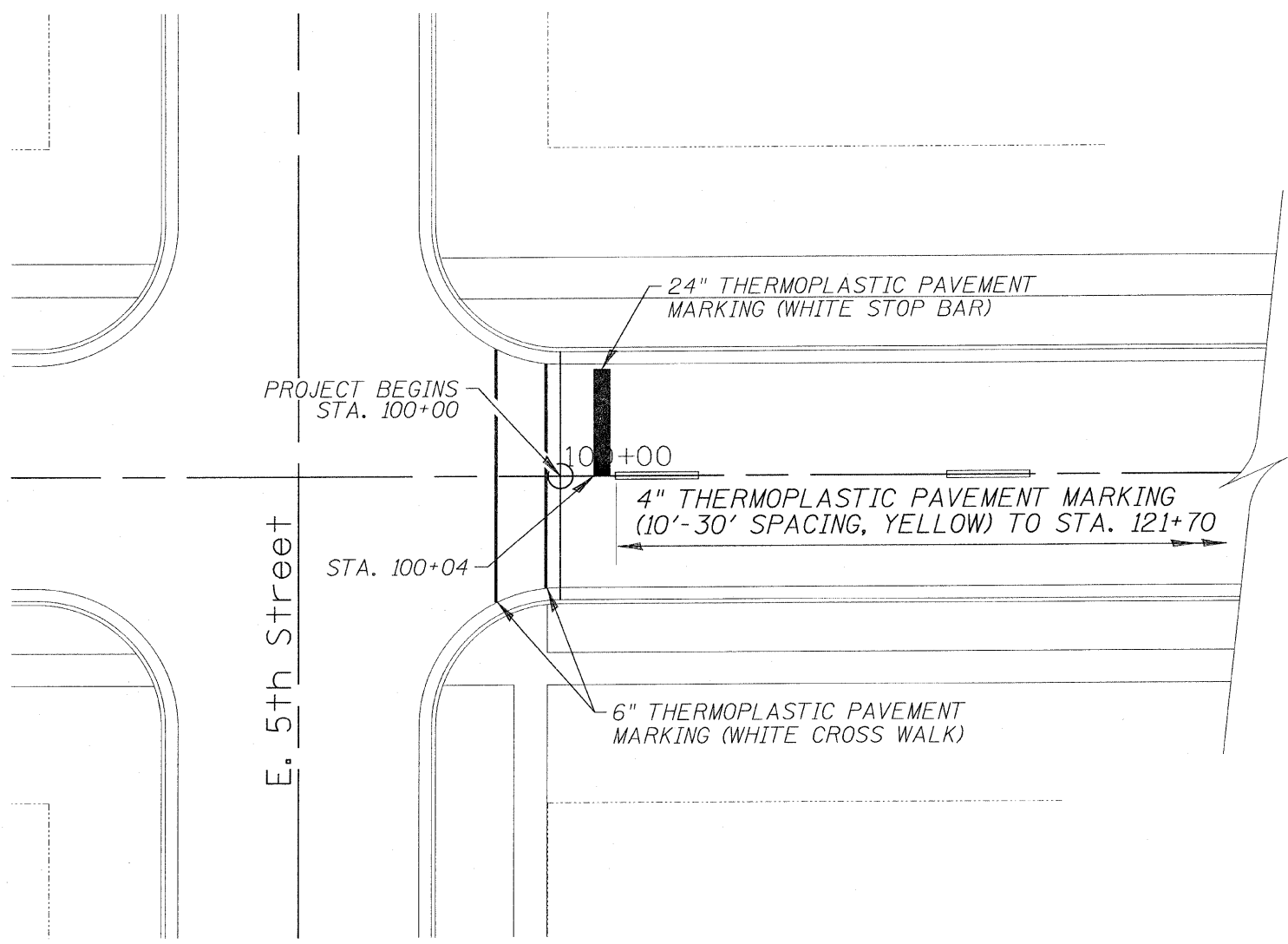
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DATE -	REVISED -

CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PLAN & PROFILE

SCALE: SHEET NO. 24 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	24
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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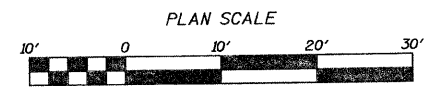
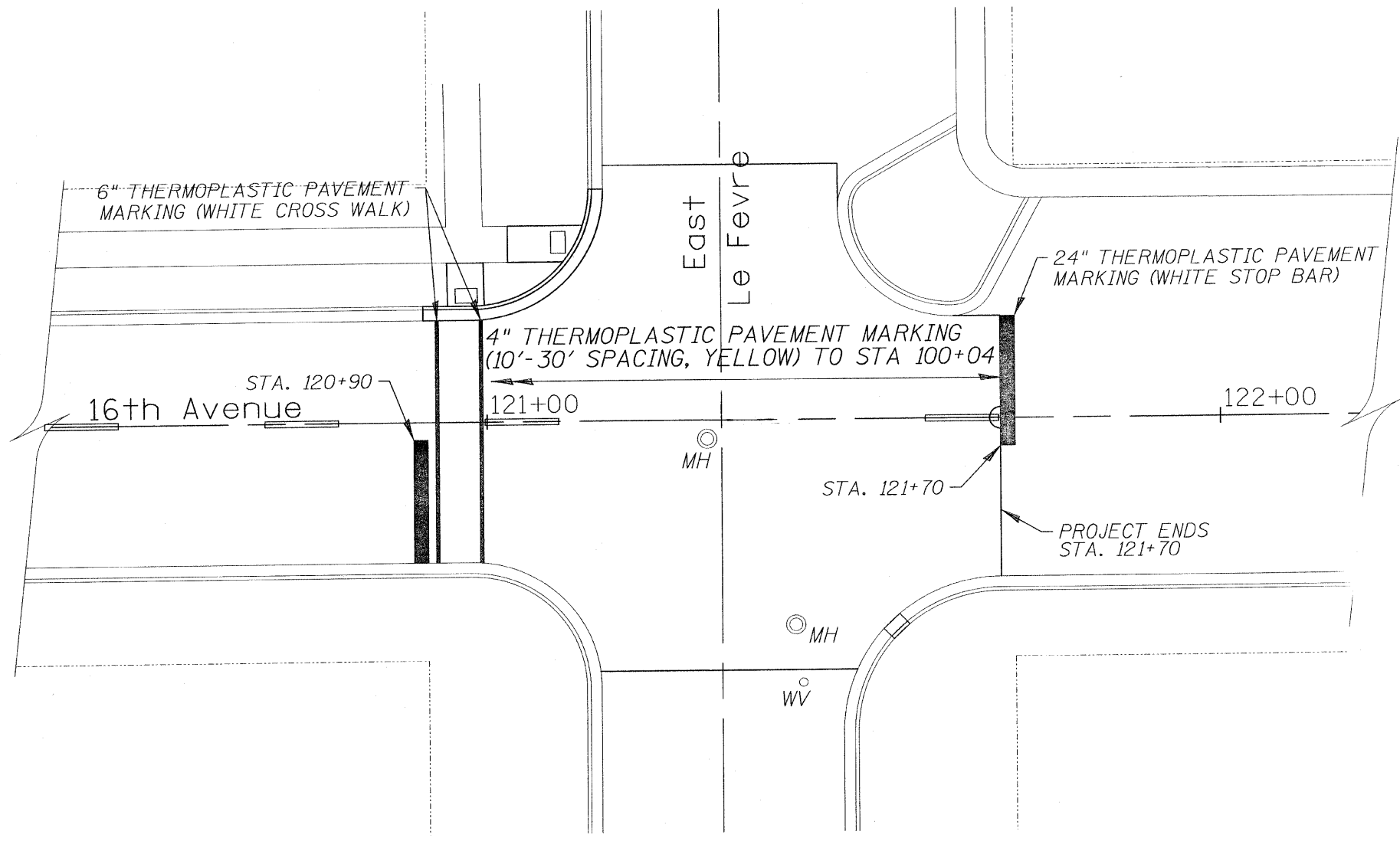
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DATE	-	REVISED	-

CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PAVEMENT MARKINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	25
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 25 OF 31 SHEETS



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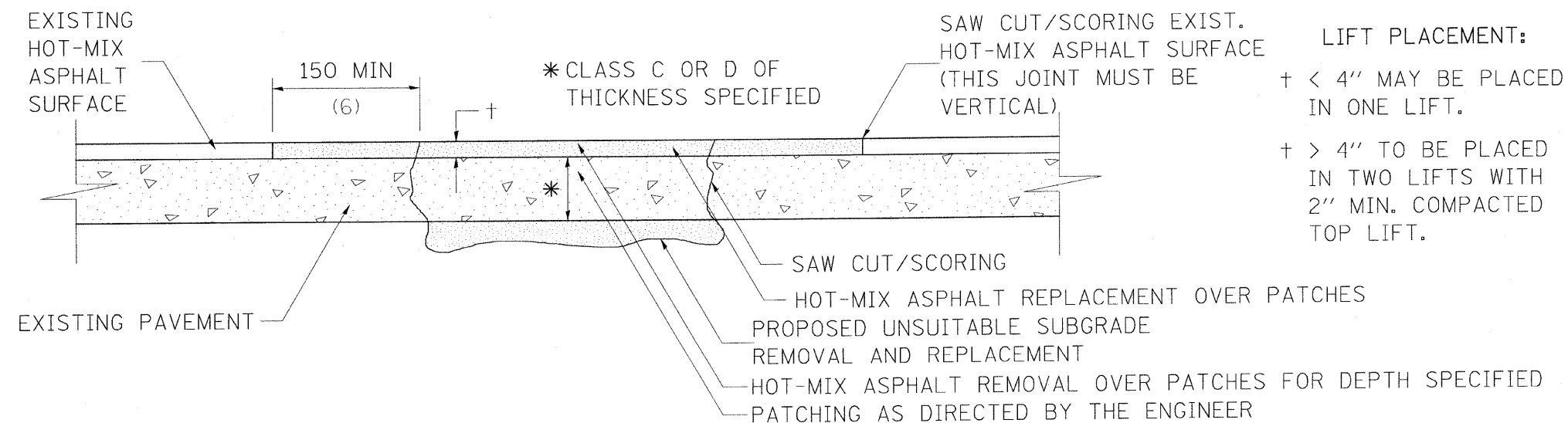
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CITY OF STERLING, ILLINOIS
16TH AVE - E. 5TH STREET TO LE FEVRE RD.

16TH AVENUE PAVEMENT MARKINGS
SCALE: SHEET NO. 26 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	26
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

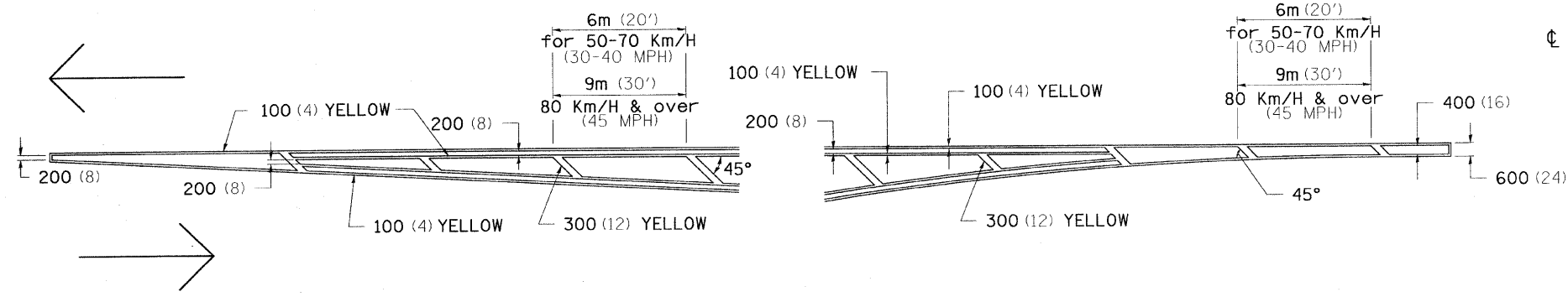
1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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

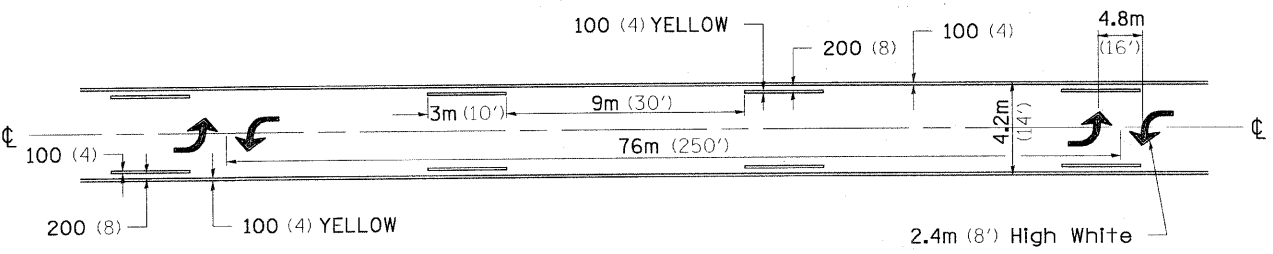
REVISÉD - 5-27-09

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



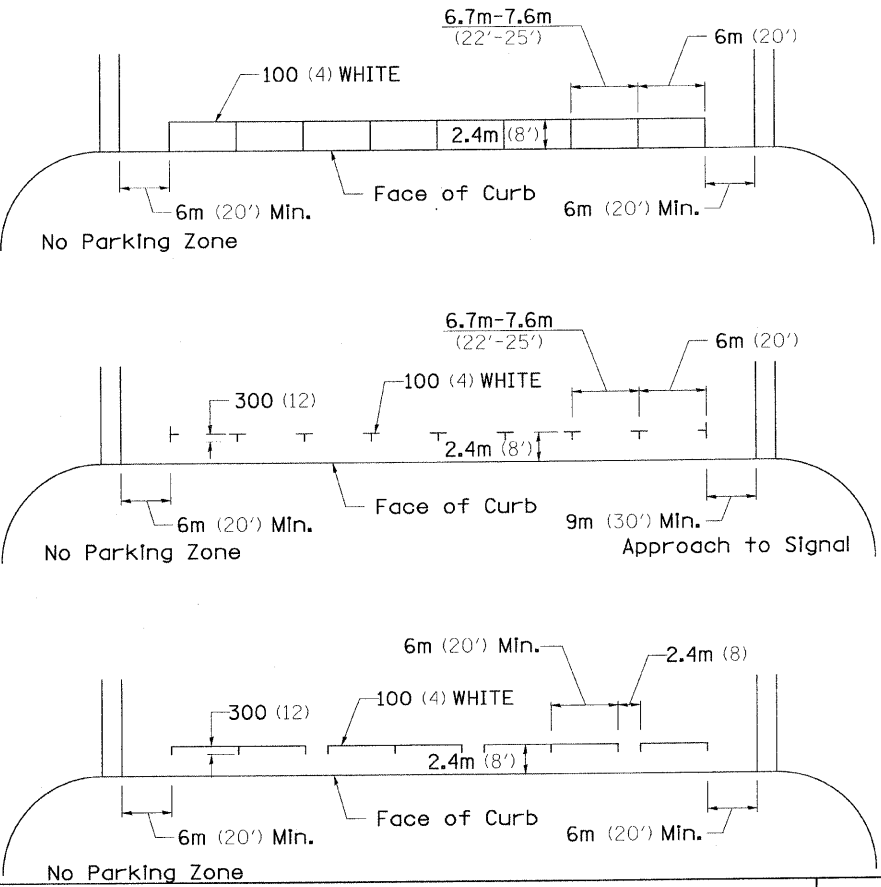
MEDIAN PAVEMENT MARKING



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

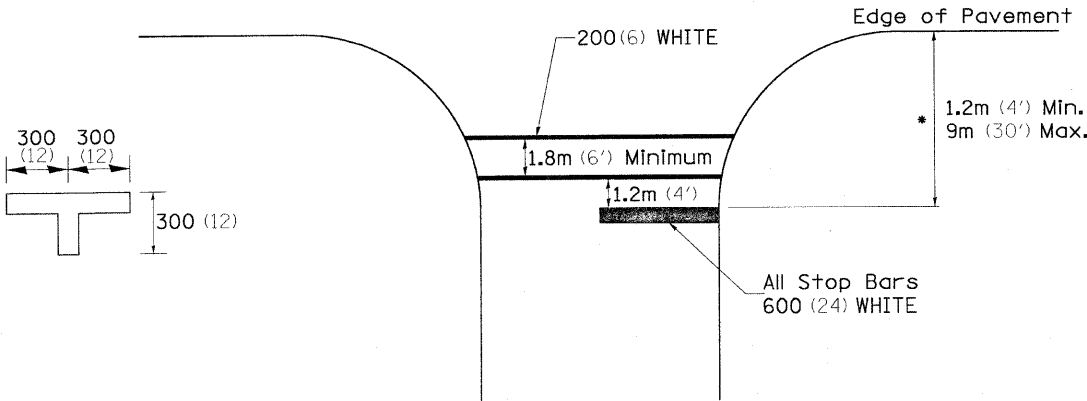
TYPICAL ISLAND OFFSET SHOULDER WIDTH

TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

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CHECKED - BDF	REVISED -
DATE - 10/30/2009	REVISED -

CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE

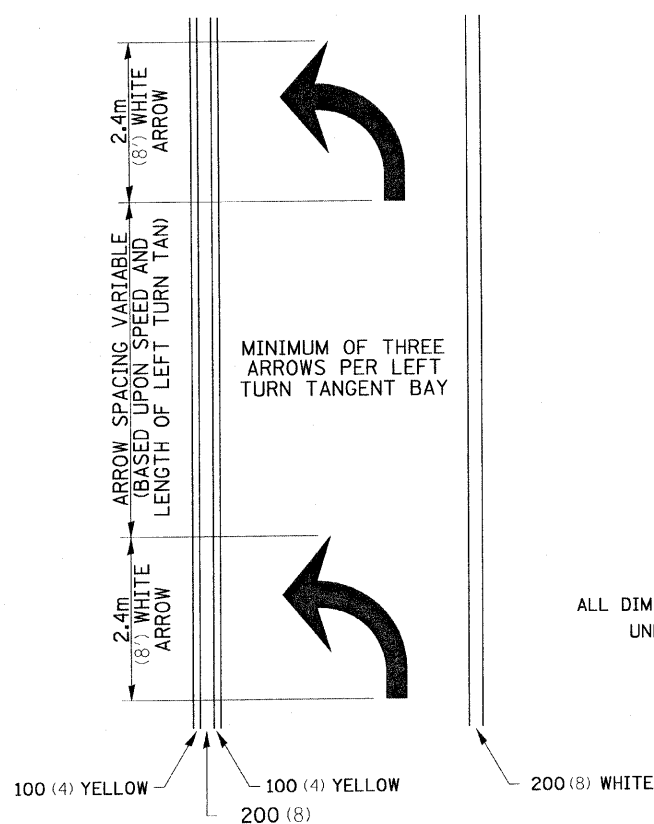
TYPICAL PAVEMENT MARKINGS, DS 41.1

SCALE: SHEET NO. 28 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	28
CONTRACT NO. 85495				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

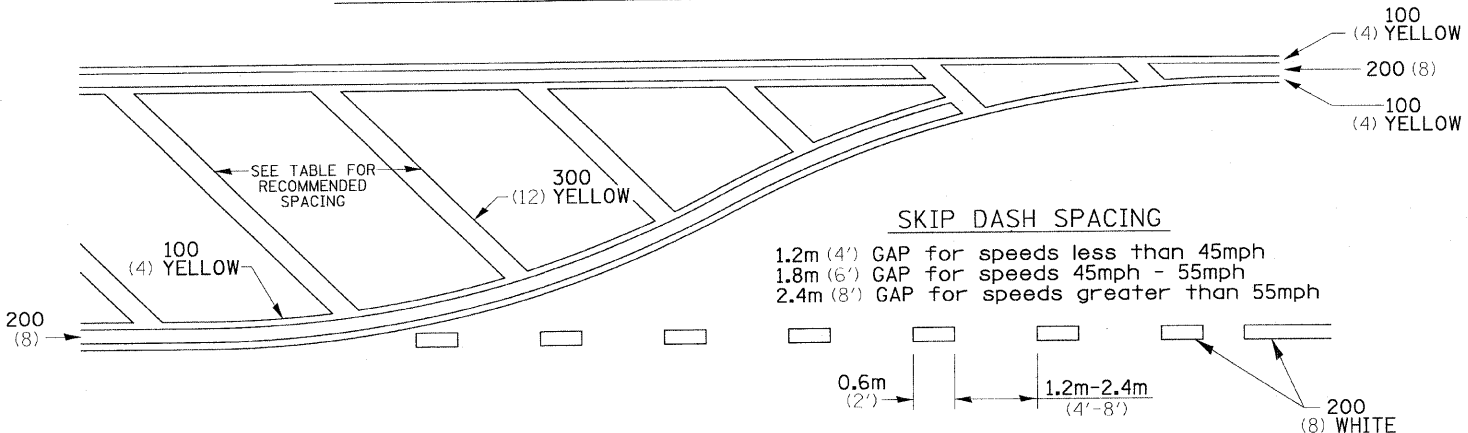
ARROW LAYOUT



- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- TWO-WAY AMBER MARKER

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

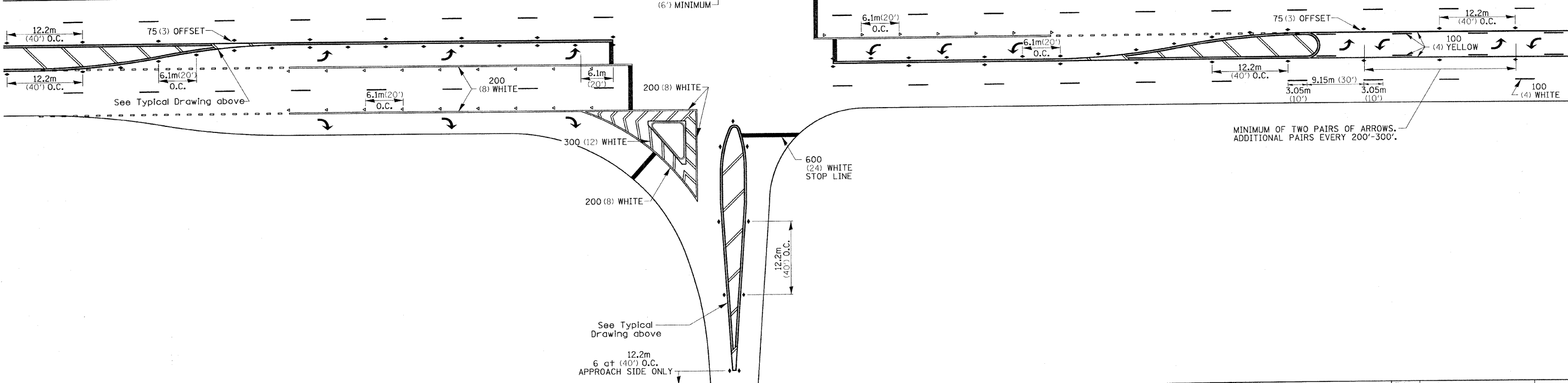
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME = L:\Jebbs\2009\095\1025\F03_Sterling\16th Ave Final Layout 10.28.09.dgn

WILLET, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
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www.willettthofmann.com

DESIGNED - BDF	REVISED -
DRAWN - JDH	REVISED -
CHECKED - BDF	REVISED -
DATE - 10/30/2009	REVISED -

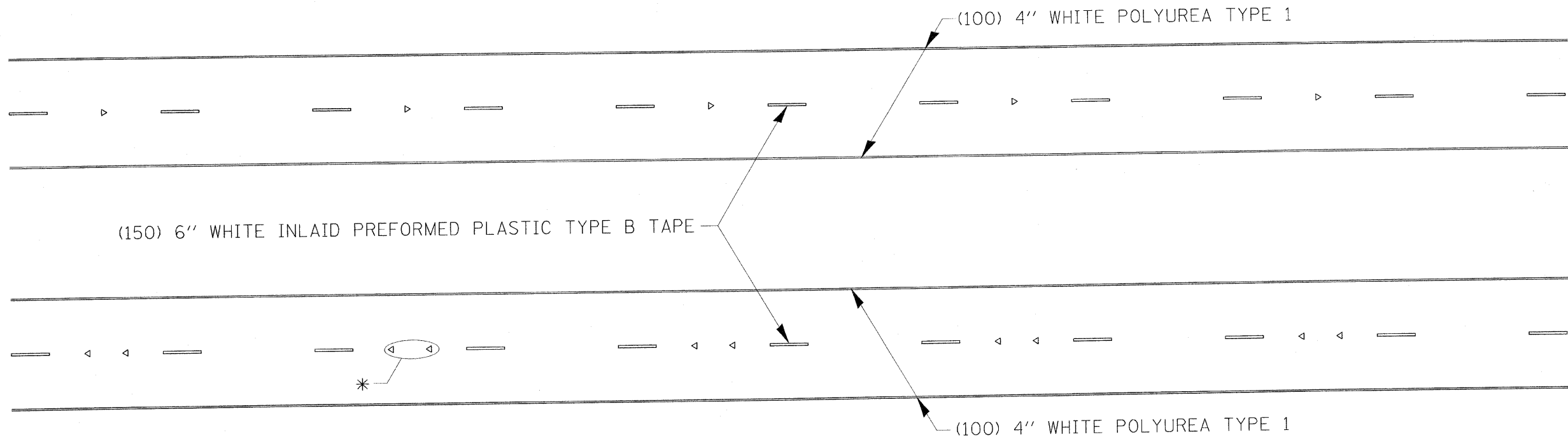
CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE

TYPICAL PAVEMENT MARKINGS, DS 41.1

SCALE: SHEET NO. 29 OF 31 SHEETS

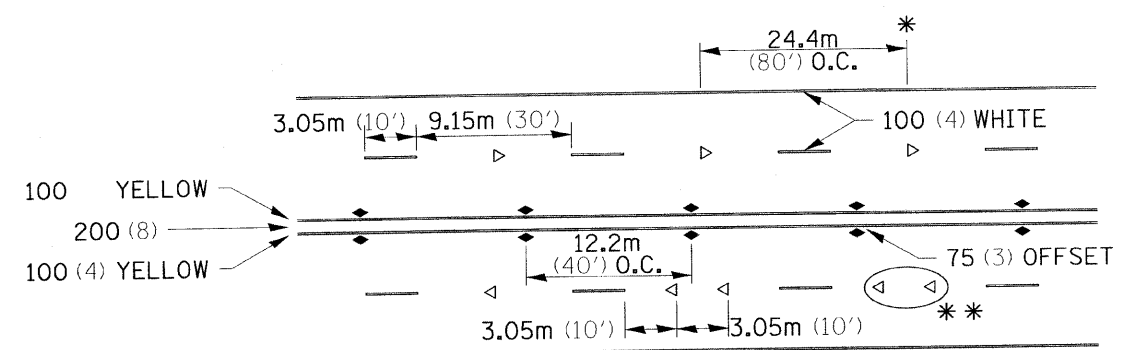
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	29
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

MULTI-LANE / DIVIDED

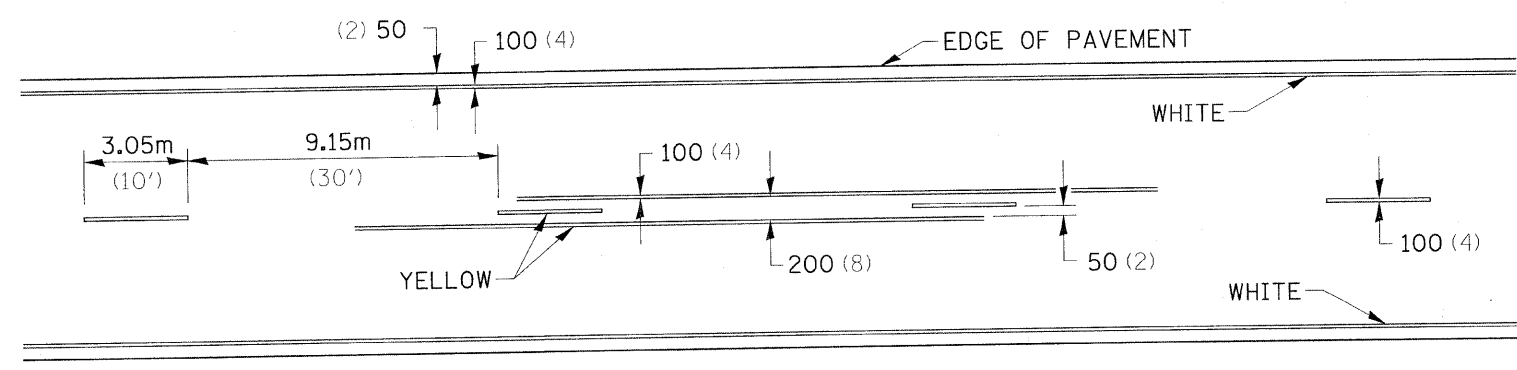


* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

FILE NAME: L:\Jobs\2009\089\089\1056\01_Sterling\16th Avenue\16th Ave final layout 10.28.09.dgn

W

H

A

WILLETT, HOFMANN & ASSOCIATES, INC.
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DESIGNED	- BDF	REVISED	-
DRAWN	- JDH	REVISED	-
CHECKED	- BDF	REVISED	-
DATE	- 10/30/2009	REVISED	-

CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE

TYPICAL PAVEMENT MARKINGS, DS41.1

SCALE: SHEET NO. 30 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	30
CONTRACT NO. 85495				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1200×1200 (48×48)	1200 (48.0)	600 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

SIGN SIZE	SERIES			MARGIN	BORDER	BLANK STD.
	LINES					
	1	2	3			
1200×1200 (48×48)	7C	7C	7C	20 (0.8)	30 (1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

REVISÉ - 1-09-08

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE
ACCORDING TO SECTION 720 OF
THE STANDARD SPECIFICATIONS

METAL POSTS SHALL BE IN ACCORDANCE WITH
STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

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



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DESIGNED - BDF	REVISED -
DRAWN - JDH	REVISED -
CHECKED - BDF	REVISED -
DATE - 10/30/2009	REVISED -

**CITY OF STERLING, ILLINOIS
AVENUE G AND 16TH AVENUE**

ROUGH GROOVED SURFACE, DS 41.1

SCALE: SHEET NO. 31 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00147-00-RS	WHITESIDE	31	31
		CONTRACT NO. 85495		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			