

04-22-2016 LETTING ITEM 127

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID PROJECT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	15-00040-00-SW	COOK	23	1
SRTS-4009(358)		ILLINOIS	CONTRACT NO. 61C59	

* OFF SYSTEM

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

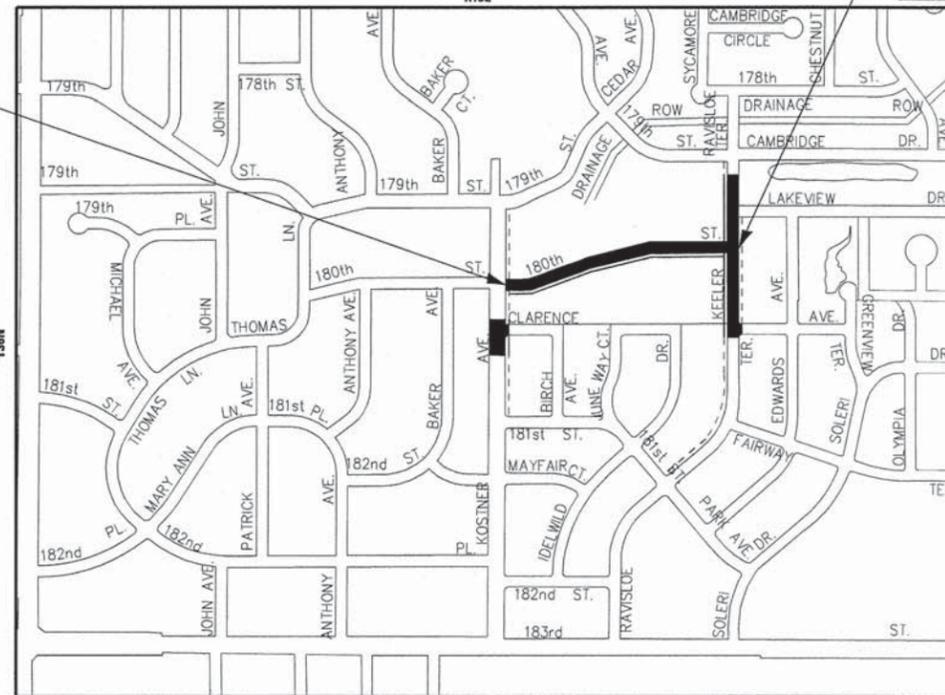
PROJECT LOCATED IN THE CITY OF COUNTRY CLUB HILLS

180TH STREET
KOSTNER AVENUE TO RAVISLOE TERRACE
SECTION: 15-00040-00-SW
PROJECT: SRTS-4009(358)
SAFE ROUTES TO SCHOOL
CITY OF COUNTRY CLUB HILLS
COOK COUNTY

C-91-264-16
LOCATION MAP

PROJECT ENDS
(STA 114 + 18)

PROJECT BEGINS
(STA 100 + 65)



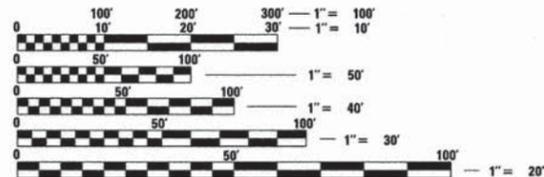
SECTION 34 SE 1/2, T36N, R13E OF THE THIRD PRINCIPAL MERIDIAN
BREMEN TOWNSHIP
GROSS LENGTH = 2,105 FT. = 0.399 MILE
NET LENGTH = 2,105 FT. = 0.399 MILE

TRAFFIC DATA

180TH STREET
POSTED SPEED LIMIT = 20 MPH, 2014 ADT = < 1,000

DESIGN DESIGNATION

180TH STREET - LOCAL ROAD



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

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. X3101244



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = COOK
CITY-TOWNSHIP = COUNTRY CLUB HILLS - BREMEN
SEC. & 1/4 SEC. NO. = S35 SE 1/2, T36N, R13E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61C59



LOCATION OF SECTION INDICATED THUS: —



PROJECT MANAGER
"LICENSE EXPIRES 11-30-2017"

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	2/5/16 <i>Daniel Barr</i> CITY OF COUNTRY CLUB HILLS
PASSED	FEBRUARY 11, 2016 <i>CHIEF CHRISTOPHER HOLT</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	February 16, 2016 <i>John Fattorusso</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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B&W PROJECT NO.: 131091 DATE: 11-20-15



7/14/2016 02:54 AM 02/14/2016 02:54 AM
 FEDERAL AID PROGRAM ENGINEER FAWAD AQUEEL, PE PTOE (847-705-4021), SCHAMBERG, IL
 PROJECT: COUNTRY CLUB HILLS - BREMEN TOWNSHIP - 180TH STREET - LOCAL ROAD - FEDERAL AID PROJECT
 DRAWING: 15-00040-00-SW - 180TH STREET - LOCAL ROAD - FEDERAL AID PROJECT - PLAN
 COVER: 15-00040-00-SW - 180TH STREET - LOCAL ROAD - FEDERAL AID PROJECT - COVER

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- UTILITY LOCATIONS HAVE NOT BEEN SHOWN ON THESE PLANS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY THAT GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR. THE COST OF THIS EXPLORATION SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE CITY WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT.
- DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"x48" MINIMUM NOMINAL SIZE PANEL. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE SELECTED BY THE CITY. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- IN AREAS WHERE THE EXISTING DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE APPROPRIATE REMOVAL PAY ITEMS.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3 - 4	SUMMARY OF QUANTITIES
5 - 6	TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS
7	PLAN AND PROFILE - KOSTNER AVENUE
8 - 10	PLAN AND PROFILE - 180TH STREET
11 - 12	PLAN AND PROFILE - RAVISLOE TERRACE
13	(BD-24) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
14	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
15	(TC-13) DISTRICT ONE TYPICAL PAVEMENT MARKINGS
16	(TC-22) ARTERIAL ROAD INFORMATION SIGN
17	CROSS SECTIONS - KOSTNER AVENUE
18 - 21	CROSS SECTIONS - 180TH STREET
22 - 23	CROSS SECTIONS - RAVISLOE TERRACE

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
542401-02	METAL END SECTION FOR PIPE CULVERTS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT

- ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- THE IDOT DISTRICT 1 DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT SHOWN IN THE PLANS SHALL BE MODIFIED TO INCLUDE THE FOLLOWING. THE WORK SHALL INCLUDE SAW-CUTTING AND REMOVING THE EXISTING PAVEMENT A MINIMUM OF 6-INCHES MEASURED FROM THE EXISTING EDGE OF PAVEMENT, AND FILLING THE 6" GAP WITH CLASS SI CONCRETE TO AN ELEVATION 2-1/2" BELOW THE PROPOSED CURB AND GUTTER FLAG. IF THE CONCRETE IS POURED HIGHER THAN 2-1/2" FROM THE GUTTER FLAG FOR STREETS TO BE RESURFACED, THE CONTRACTOR WILL BE REQUIRED TO GRIND ADDITIONAL CONCRETE TO THE REQUIRED 2-1/2" DEPTH. THE AREA BEHIND THE PROPOSED CURB AND GUTTER SHALL BE RESTORED WITH NATIVE SOD IN ACCORDANCE WITH ARTICLE 1081.03 RATHER THAN SALT TOLERANT SOD.
- SIDEWALKS SHALL BE THICKENED TO 8" THROUGH ENTRANCES.
- CONTRACTOR TO PROTECT ALL SURVEY AND ROW MARKERS (SEVERAL PINS ARE SHOWN THAT WILL LIKELY GET KNOCKED OUT).
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TRESS IS OF UTMOST IMPORTANCE TO THE CITY OF COUNTRY CLUB HILLS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE TREE PROTECTION WITH THE ROADSIDE DEVELOPMENT UNIT (847.705.4171) PRIOR TO SCHEDULING TREE REMOVAL. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TRESS UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT.
- THE CONTRACTOR SHALL INSTALL TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TREE PROTECTION UNTIL CONSTRUCTION IS COMPLETED.
- EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ECT.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL CONTAMINATION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTACTOR'S OWN EXPENSE.
- PRUNE TREE LIMBS THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION BY A CERTIFIED ARBORIST. ANY TREE LIMBS THAT ARE BROKEN BY CONSTRUCTION EQUIPMENT AFTER THE INITIAL PRUNING MUST BE PRUNED CORRECTLY WITHIN 72 HOURS.
- SUPPLEMENTAL WATERING IS SPECIFIED FOR TRESS AND SHRUBS THAT WILL BE DISTURBED BY CONSTRUCTION BUT WILL REMAIN. NOTE THAT WATERING SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING, TOP PRUNING OR OTHER CONSTRUCTION DISTURBANCE.

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	CHECKED - TMS	REVISED -
	DATE - 11-20-15	FILE - 131091SHT-GenNotes.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE STA. TO STA.

* OFF SYSTEM				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00040-00-SW	COOK	23	2
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT SRTS-4009(358)			CONTRACT NO. 61C59	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION TYPE CODE 0021
# 20101000	TEMPORARY FENCE	FOOT	130	130
# 20101200	TREE ROOT PRUNING	EACH	4	4
# 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4	4
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	28	28
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	28	28
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	28	28
20101700	SUPPLEMENTAL WATERING	UNIT	33	33
20200100	EARTH EXCAVATION	CU YD	198	198
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	336	336
20800150	TRENCH BACKFILL	CU YD	24	24
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2177	2177
25200100	SODDING	SQ YD	2177	2177
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	46	46
28000305	TEMPORARY DITCH CHECKS	FOOT	90	90
28000510	INLET FILTERS	EACH	5	5
# 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	20	20
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1095	1095
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	230	230
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	251	251
35501288	HOT-MIX ASPHALT BASE COURSE, 2 1/2"	SQ YD	19	19
35501302	HOT-MIX ASPHALT BASE COURSE, 4 1/2"	SQ YD	251	251

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

SUMMARY OF QUANTITIES				
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION TYPE CODE 0021
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	24	24
40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	4	4
42001300	PROTECTIVE COAT	SQ YD	1224	1224
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	18	18
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9627	9627
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	950	950
42400800	DETECTABLE WARNINGS	SQ FT	134	134
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	390	390
44000600	SIDEWALK REMOVAL	SQ FT	499	499
48101200	AGGREGATE SHOULDERS, TYPE B	TON	39	39
50105220	PIPE CULVERT REMOVAL	FOOT	188	188
# 542D0213	PIPE CULVERTS, CLASS D, TYPE 1 8"	FOOT	6	6
# 542D0215	PIPE CULVERTS, CLASS D, TYPE 1 10"	FOOT	55	55
# 542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	64	64
# 542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	91	91
54215543	METAL END SECTIONS 8"	EACH	2	2
54215545	METAL END SECTIONS 10"	EACH	4	4
54215550	METAL END SECTIONS 15"	EACH	4	4
54215553	METAL END SECTIONS 18"	EACH	5	5
56500500	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
# 70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

* OFF SYSTEM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00040-00-SW	COOK	23	3
CONTRACT NO. 61C59			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT SRTS-4009358	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION TYPE CODE 0021
# 70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	264	264
# 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	384	384
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	125	125
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	371	371
78300100	PAVEMENT MARKING REMOVAL	SQ FT	132	132
# X0201004	GRADING AND SHAPING SHOULDERS (SPECIAL)	FOOT	1072	1072
# X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1
# X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7
# X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1
# Z0022800	FENCE REMOVAL	FOOT	10	10
# Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	156	156
# Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	137	137
# Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

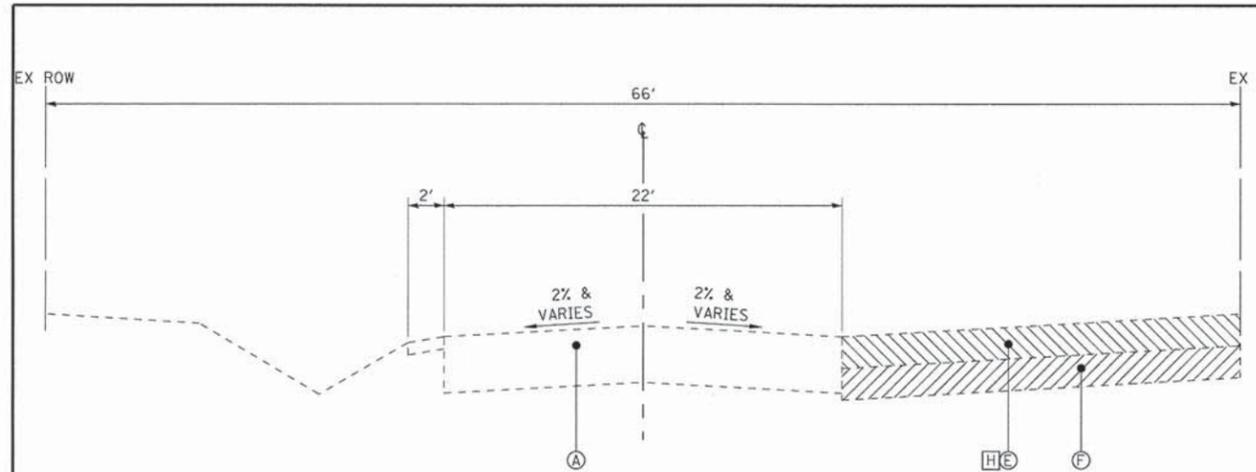
SUMMARY OF QUANTITIES

SCALE: NONE

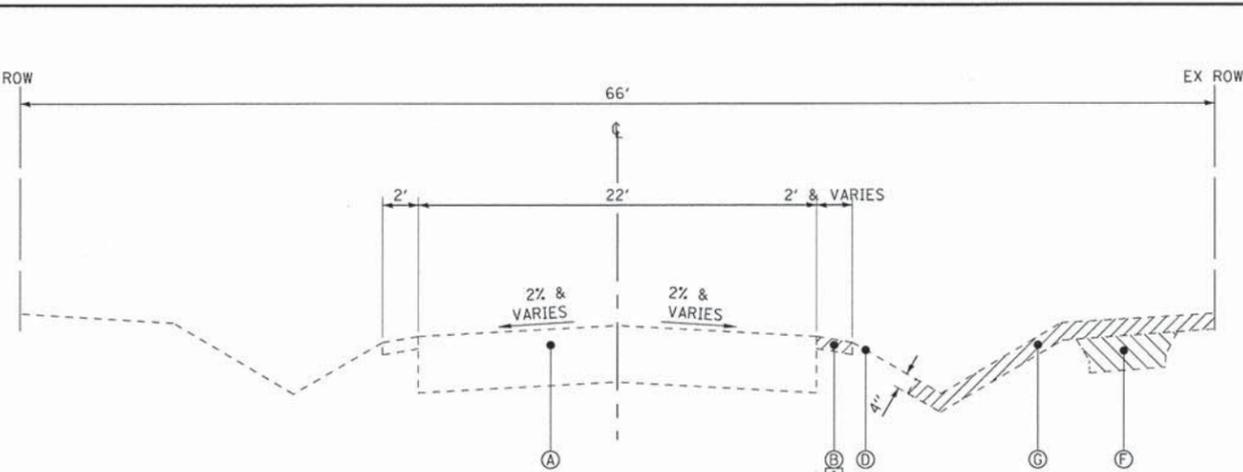
STA. TO STA.

* OFF SYSTEM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	15-00040-00-SW	COOK	23	4
CONTRACT NO. 61C59			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT SRTS-4009(358)	

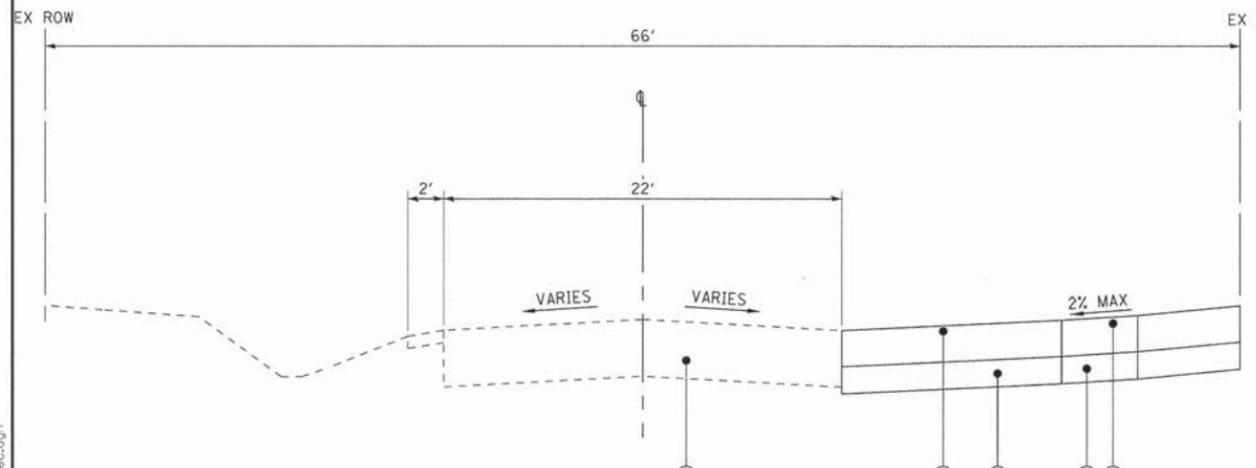


EXISTING TYPICAL SECTION
180th STREET AT DRIVEWAYS
STA 100+70 TO STA 113+58

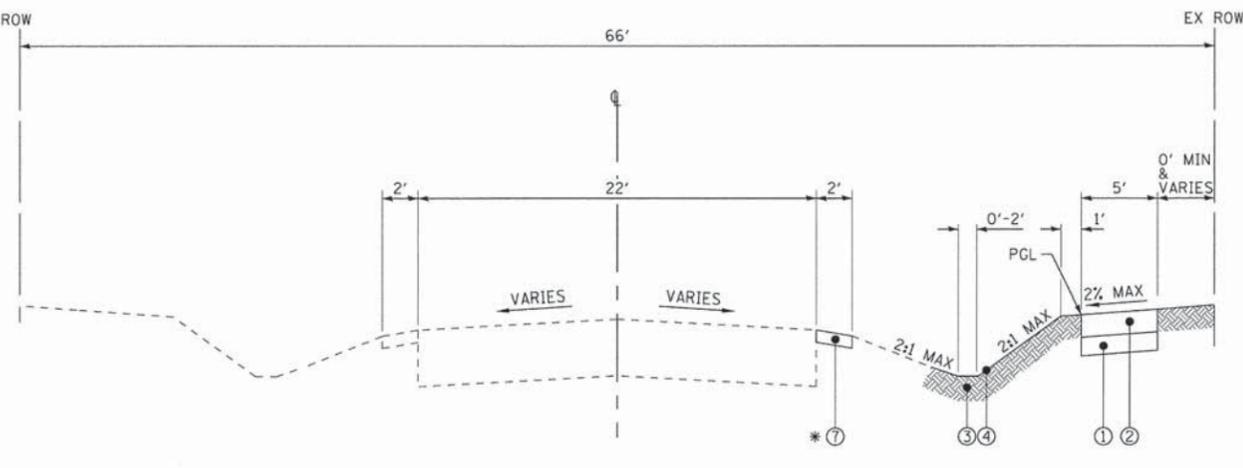


EXISTING TYPICAL SECTION
180th STREET
STA 100+70 TO STA 113+58

* AS DETERMINED BY THE ENGINEER



PROPOSED TYPICAL SECTION
180th STREET AT DRIVEWAYS
STA 100+70 TO STA 113+58



PROPOSED TYPICAL SECTION
180th STREET
STA 100+70 TO STA 113+58

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
INCIDENTAL HOT-MIX ASPHALT SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2 1/2"	4% @ 50 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19MM); PE - 2 1/2", CE - 4 1/2"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112LB/SY-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 DISTRICT ONE SPECIAL PROVISIONS.
 FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
- (B) AGGREGATE SHOULDER
- (C) CURB AND GUTTER
- (D) GROUND SURFACE
- (E) DRIVEWAY PAVEMENT
- (F) EARTH EXCAVATION
- (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (H) DRIVEWAY PAVEMENT REMOVAL
- (I) AGGREGATE SHOULDER REMOVAL, 2" MIN (INCLUDED IN COST OF AGGREGATE SHOULDER)

PROPOSED LEGEND

- (1) AGGREGATE BASE COURSE, TYPE B, 4"
- (2) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (3) TOPSOIL FURNISH AND PLACE, 4"
- (4) SODDING
- (5) DRIVEWAY PAVEMENT (SEE DRIVEWAY SCHEDULE)
- (6) AGGREGATE BASE COURSE (SEE DRIVEWAY SCHEDULE)
- (7) GRADING AND SHAPING SHOULDERS (SPECIAL)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

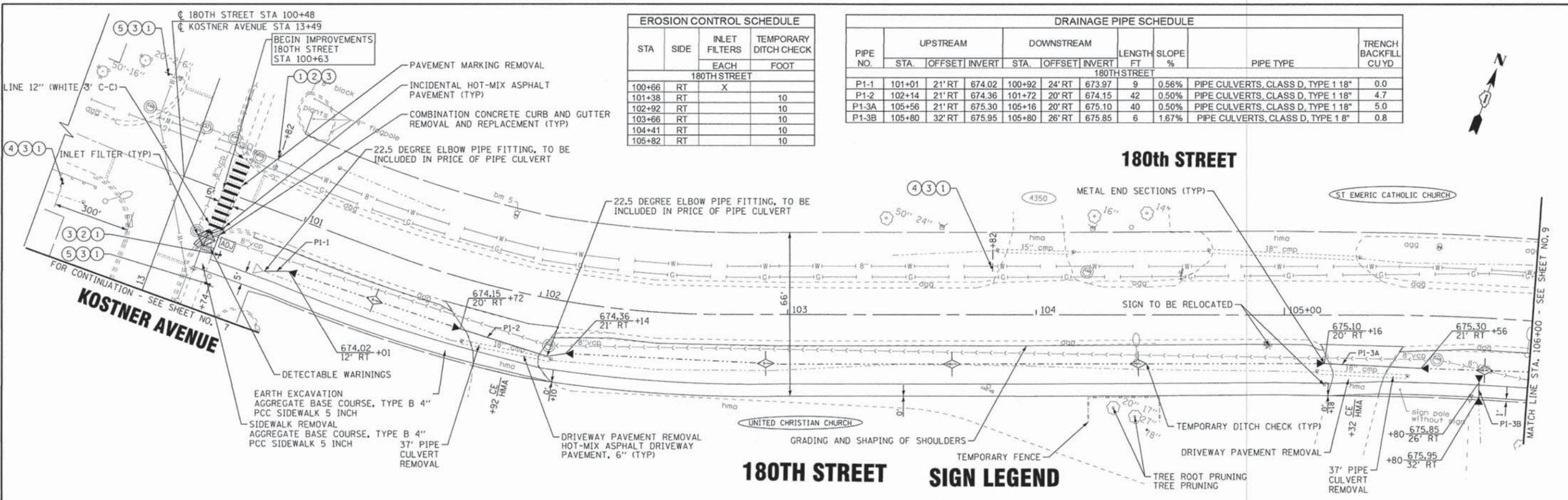
SCALE: NONE STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00040-00-SW	COOK	23	5
CONTRACT NO. 61C59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT SRCS-4009358J				



EROSION CONTROL SCHEDULE				
STA	SIDE	INLET FILTERS		TEMPORARY DITCH CHECK
		EACH	FOOT	
180TH STREET				
100+66	RT	X		
101+38	RT			10
102+92	RT			10
103+66	RT			10
104+41	RT			10
105+82	RT			10

DRAINAGE PIPE SCHEDULE										
PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CUYD
	STA	OFFSET	INVERT	STA	OFFSET	INVERT				
180TH STREET										
P1-1	101+01	21' RT	674.02	100+92	24' RT	673.97	9	0.56%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	0.0
P1-2	102+14	21' RT	674.36	101+72	20' RT	674.15	42	0.50%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	4.7
P1-3A	105+56	21' RT	675.30	105+16	20' RT	675.10	40	0.50%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	5.0
P1-3B	105+80	32' RT	675.95	105+80	26' RT	675.85	6	1.67%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	0.8



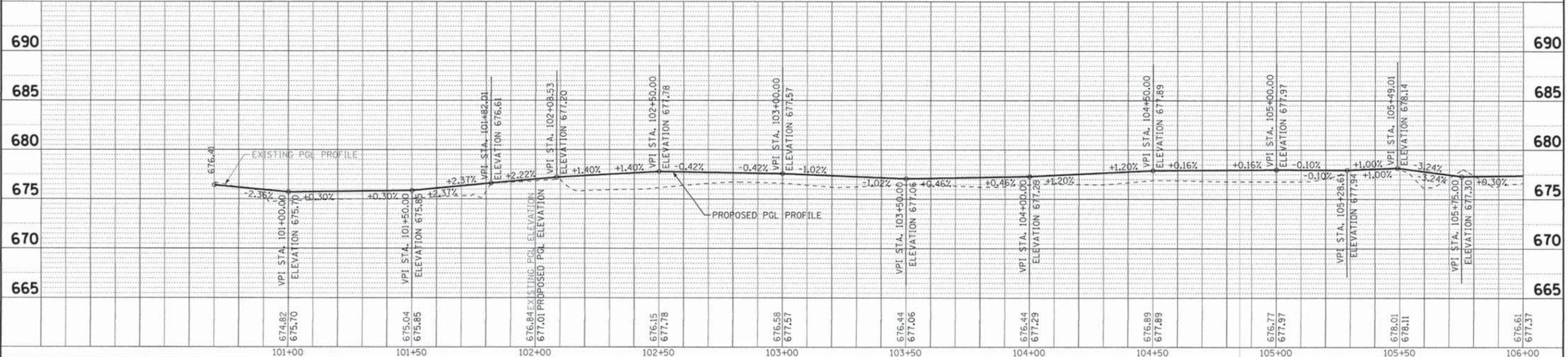
DRIVEWAY SCHEDULE														
STATION	SIDE	TYPE	SURFACE	SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6 INCH SQ YD	AGGREGATE BASE COURSE, TYPE B 4" (UNDER HMA 4") SQ YD	AGGREGATE BASE COURSE, TYPE B 6" (UNDER PCC 6") SQ YD	AGGREGATE BASE COURSE, TYPE B 8" (UNDER HMA 6") SQ YD	PORTLAND CEMENT CONCRETE SIDEWALK 5" SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 6" SQ FT	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH	
														180TH STREET
101+92	RT	CO	HMA	81							17	66	150	1
105+32	RT	CO	HMA	55							14	44	125	1

180TH STREET SIGN LEGEND

- ① S1-1 (FYG) 36" X 36"
- ② W16-7P (FYG) 24" X 12"
- ③ TELESCOPING STEEL SIGN SUPPORT
- ④ W16-9P (FYG) 24" X 12"
- ⑤ W16-6P (FYG) 24" X 12"

DITCH SCHEDULE			
180TH STREET			
BEGIN STA	END STA	LT/RT	LENGTH
101+01.00	101+72.00	RT	71
102+14.00	105+16.00	RT	302
105+56.00	106+10.00	RT	54

NOTE: PGL = FRONT OF WALK
* OFF SYSTEM



BAXTER & WOODMAN
Consulting Engineers

DESIGNED - L/JF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-20-15	FILE - 131091SHT-PP2_180th.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE 180TH STREET

SCALE: H: 1"=20' V: 1"=5'
STA. 100+48 TO STA. 106+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	15-00040-00-SW	COOK	23	8
CONTRACT NO. 61C59			ILLINOIS FED. AID PROJECT SRTS-4009(358)	

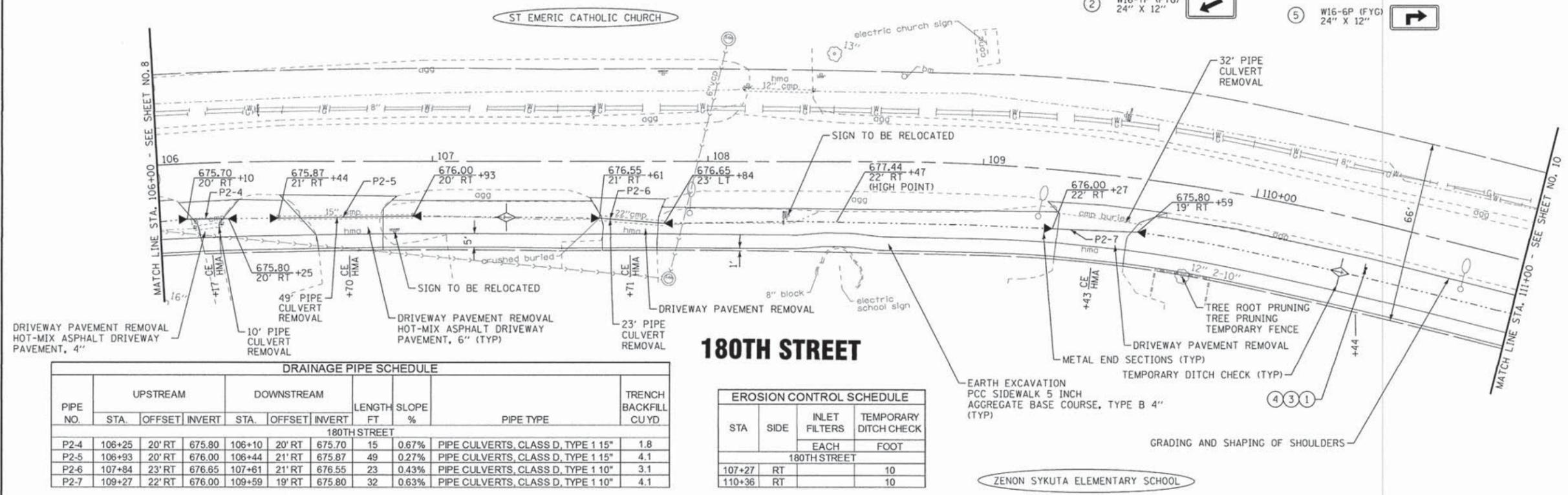
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 LICENSE NO. 184-00321 - EXPIRES 6/30/2017
 120653 PM 2/16/2016
 I:\Projects\131091_SHT-PP2_180th.dgn

DRIVEWAY SCHEDULE													
STATION	SIDE	TYPE	SURFACE	SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6 INCH	AGGREGATE BASE COURSE, TYPE B 4" (UNDER HMA 4")	AGGREGATE BASE COURSE, TYPE B 6" (UNDER PCC 8")	AGGREGATE BASE COURSE, TYPE B 8" (UNDER HMA 6")	PORTLAND CEMENT CONCRETE SIDEWALK 5"	PORTLAND CEMENT CONCRETE SIDEWALK 8"	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
106+17	RT	PE	HMA	22		19		25				50	1
106+70	RT	CE	HMA	73					14	53		125	1
107+71	RT	CE	HMA	51					12	35		100	1
109+43	RT	CE	HMA	67					17	53		150	1

DITCH SCHEDULE			
180TH STREET			
105+56.00	106+10.00	RT	54
106+25.00	106+44.00	RT	19
106+93.00	107+61.00	RT	68
107+84.00	108+47.00	RT	63
108+47.00	109+27.00	RT	80
109+59.00	113+48.00	RT	389

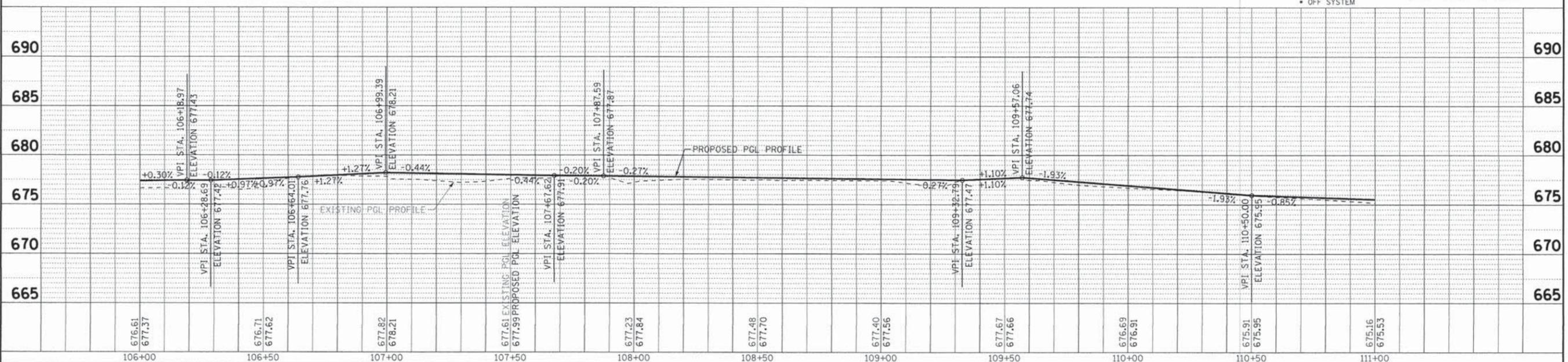
SIGN LEGEND

- ① S1-1 (FYG) 36" X 36"
- ② W16-7P (FYG) 24" X 12"
- ③ TELESCOPING STEEL SIGN SUPPORT
- ④ W16-9P (FYG) 24" X 12" **AHEAD**
- ⑤ W16-6P (FYG) 24" X 12"



DRAINAGE PIPE SCHEDULE										
PIPE NO.	UPSTREAM			DOWNSTREAM			LENGTH FT	SLOPE %	PIPE TYPE	TRENCH BACKFILL CU YD
	STA.	OFFSET	INVERT	STA.	OFFSET	INVERT				
180TH STREET										
P2-4	106+25	20' RT	675.80	106+10	20' RT	675.70	15	0.67%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	1.8
P2-5	106+93	20' RT	676.00	106+44	21' RT	675.87	49	0.27%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	4.1
P2-6	107+84	23' RT	676.65	107+61	21' RT	676.55	23	0.43%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	3.1
P2-7	109+27	22' RT	676.00	109+59	19' RT	675.80	32	0.63%	PIPE CULVERTS, CLASS D, TYPE 1 1/2"	4.1

EROSION CONTROL SCHEDULE				
STA	SIDE	INLET FILTERS	TEMPORARY DITCH CHECK	
			EACH	FOOT
180TH STREET				
107+27	RT		10	
110+36	RT		10	



BAXTER & WOODMAN CONSULTING ENGINEERS	DESIGNED - L/JF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE 180TH STREET		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - KAR	REVISED -		SCALE: H: 1"=20' V: 1"=5'	STA. 106+00 TO STA. 111+00	*	15-00040-00-SW	COOK	23	9
CHECKED - TMS	REVISED -	FILE - 131091SHT-PP3_180th.dgn							CONTRACT NO. 61C59	
DATE - 11-20-15						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT SRTS-4009(358)				

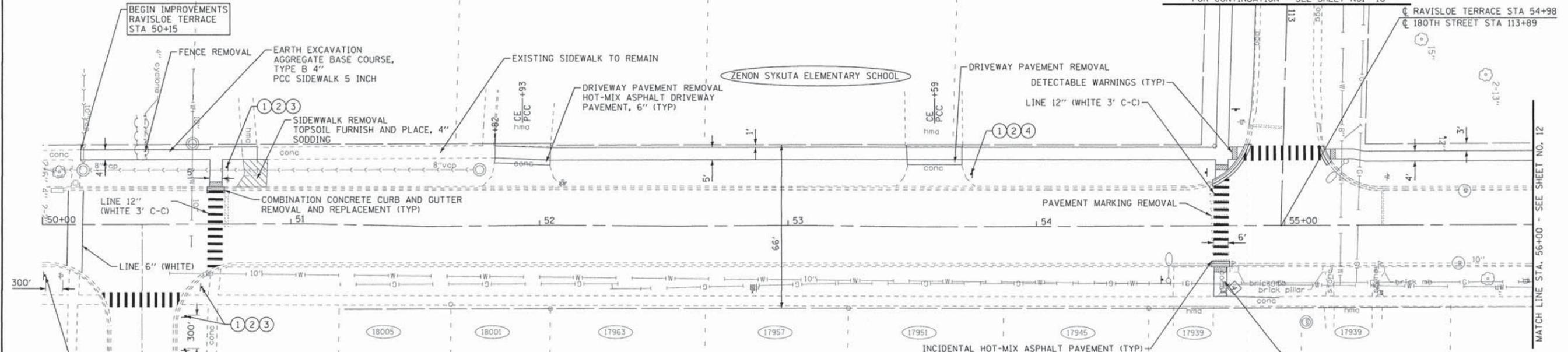
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 2/16/2016



180th STREET

FOR CONTINUATION - SEE SHEET NO. 10

RAVISLOE TERRACE STA 54+98
180TH STREET STA 113+89



RAVISLOE TERRACE

SIGN LEGEND



① S1-1 (FYG)
36" X 36"



② W16-7P (FYG)
24" X 12"



③ TELESCOPING STEEL SIGN SUPPORT



④ W16-9P (FYG)
24" X 12"

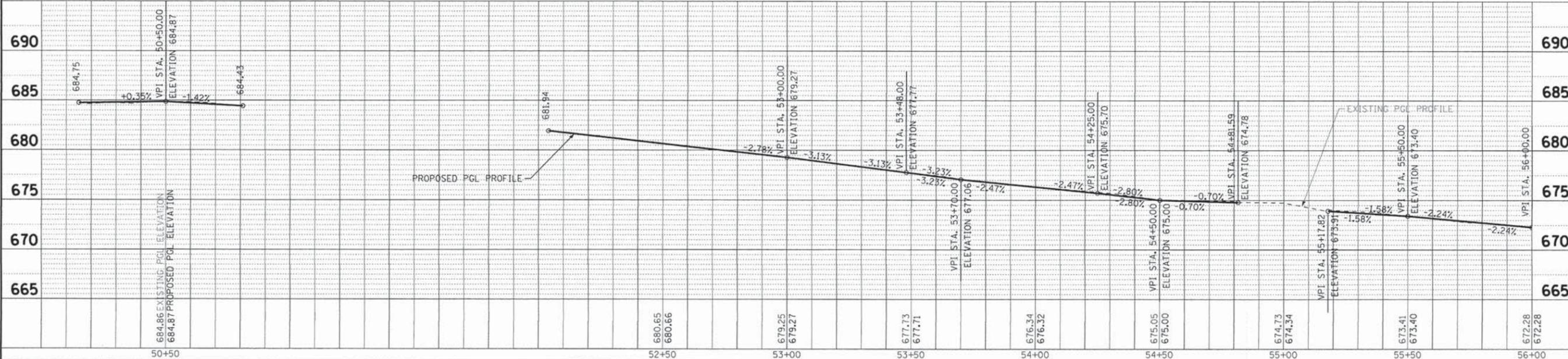


⑤ W16-6P (FYG)
24" X 12"

SIDEWALK REMOVAL
AGGREGATE BASE COURSE, TYPE B 4"
PCC SIDEWALK 5 INCH

NOTE: PGL = FRONT OF WALK

DRIVEWAY SCHEDULE													
STATION	SIDE	TYPE	SURFACE	SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6 INCH	AGGREGATE BASE COURSE, TYPE B 4" (UNDER HMA 4")	AGGREGATE BASE COURSE, TYPE B 6" (UNDER PCC 8")	AGGREGATE BASE COURSE, TYPE B 8" (UNDER HMA 6")	PORTLAND CEMENT CONCRETE SIDEWALK 5'	PORTLAND CEMENT CONCRETE SIDEWALK 8'	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
STATION	SIDE	TYPE	SURFACE	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ FT	SQ FT	EACH
51+93	LT	CE	CONC	21	9						125	125	1
53+59	LT	CE	CONC	20	9						125	125	1



DESIGNED - L/JF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-20-15	FILE - 131091SHT-PP5_Ravisloe.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE RAVISLOE AVENUE

SCALE: H: 1"=20' V: 1"=5'

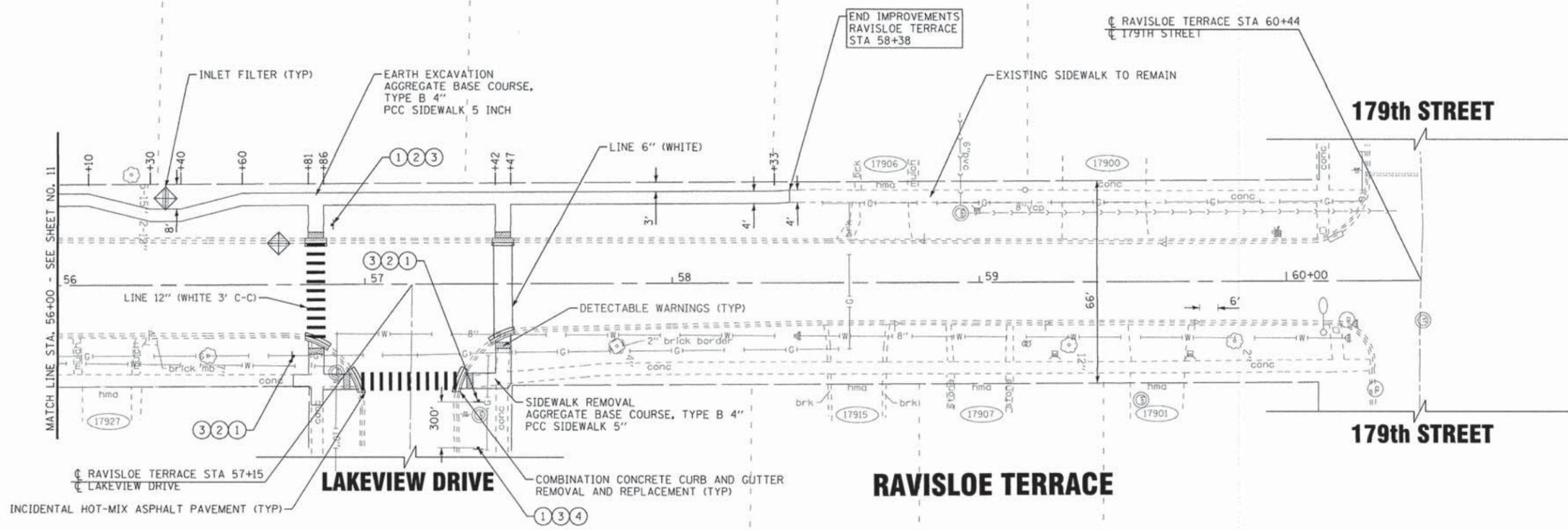
STA. 50+00 TO STA. 56+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	15-00040-00-SW	COOK	23	11
CONTRACT NO. 61C59			ILLINOIS FED. AID PROJECT SRTS-40093581	

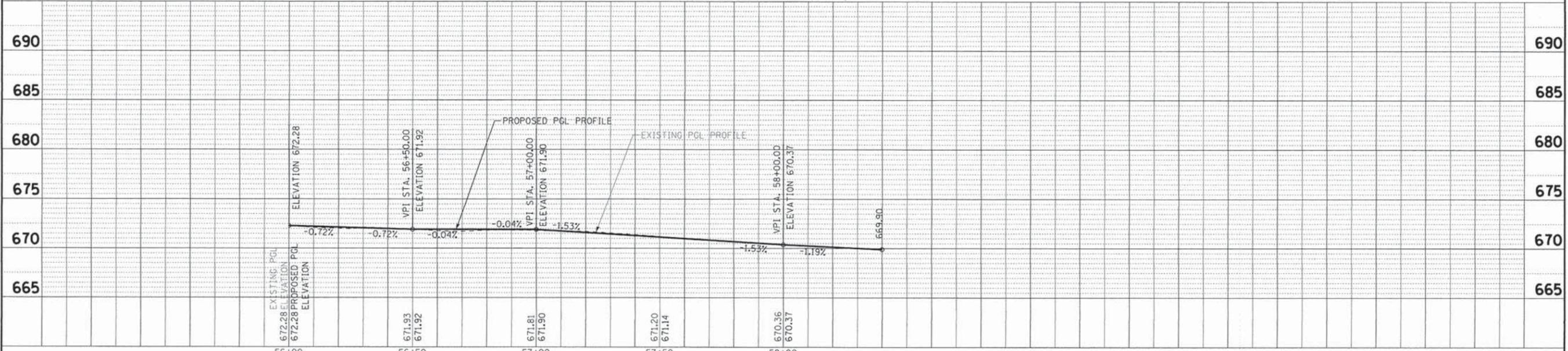
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SIGN LEGEND

- ① S1-1 (FYG)
36" X 36"
- ② W16-7P (FYG)
24" X 12"
- ③ TELESCOPING STEEL SIGN SUPPORT
- ④ W16-9P (FYG)
24" X 12" **AHEAD**
- ⑤ W16-6P (FYG)
24" X 12"



NOTE:
PGL = FRONT OF WALK
• OFF SYSTEM



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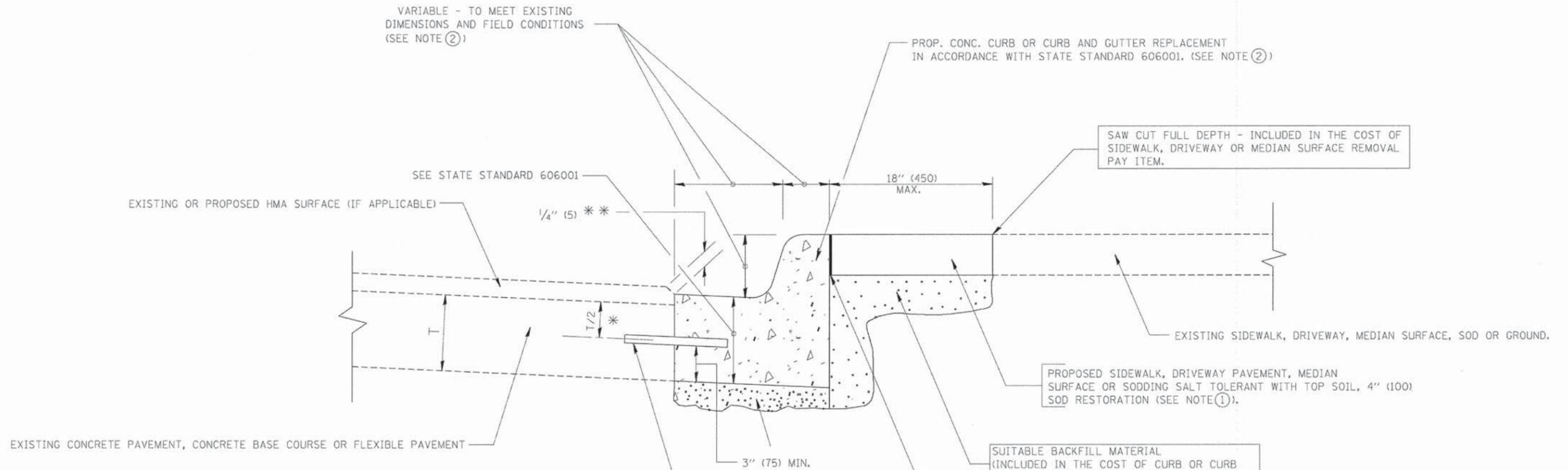
DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - T.M.S.	REVISED -
DATE - 11-20-15	FILE - 131091SHT-PP6_Ravisloe.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
RAVISLOE AVENUE**

SCALE: H: 1"=20' V: 1"=5'
STA. 56+00 TO STA. 60+44

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	15-00040-00-SW	COOK	23	12
FED. ROAD DIST. NO.			CONTRACT NO. 61C59	
ILLINOIS FED. AID PROJECT SRTS-4009(358)				



* 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.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

- SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

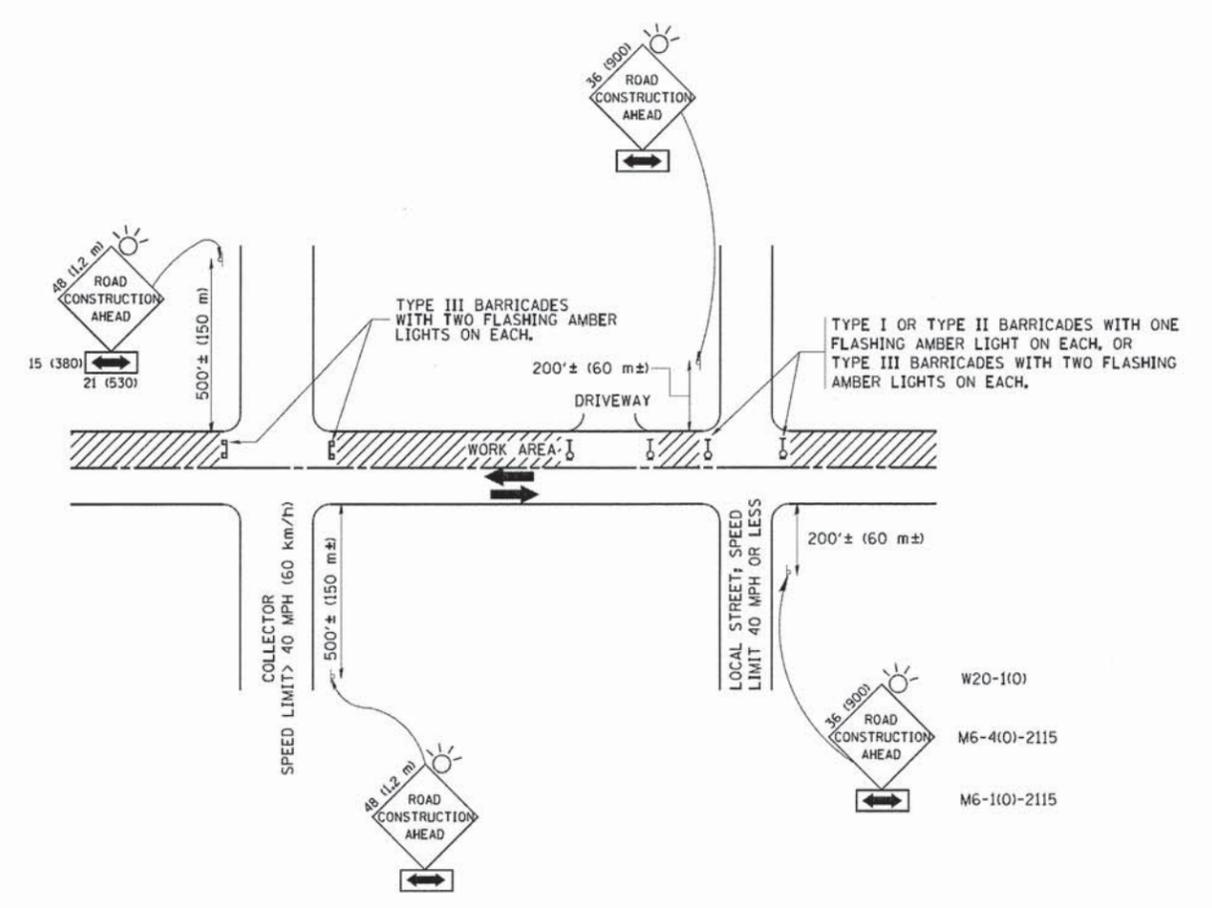
BASIS OF PAYMENT:
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei\p\work\p\wdot\drivakosgn\0186315\bd24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	15-00040-00-SW			COOK	23	13		
PLOT SCALE = 58.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	BD600-06 (BD-24)			CONTRACT NO. 61059				
PLOT DATE = 12/16/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJ. CRTS-4009(358)							
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	



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

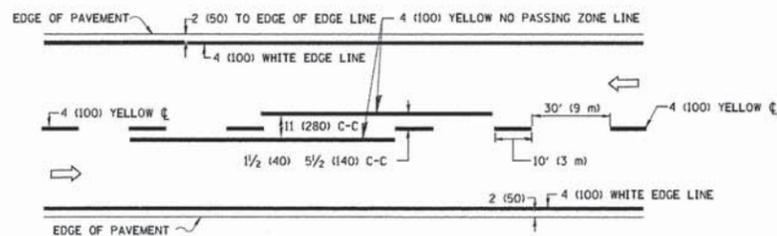
NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1,2 m x 1,2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) 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.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

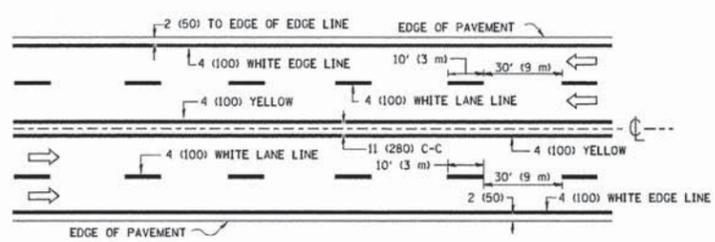
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 PROJECT NO. 15-00040-00-SW
 DATE: 2/4/2008
 FILE NAME: W:\distata\22\34\tc18.dgn
 USER: goglianob
 DESIGNED: LHA
 DRAWN: -
 CHECKED: -
 DATE: 06-89
 REVISED: J. OBERLE 10-18-95
 REVISED: A. HOUSEH 03-06-96
 REVISED: A. HOUSEH 10-15-96
 REVISED: T. RAMMACHER 01-06-00

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

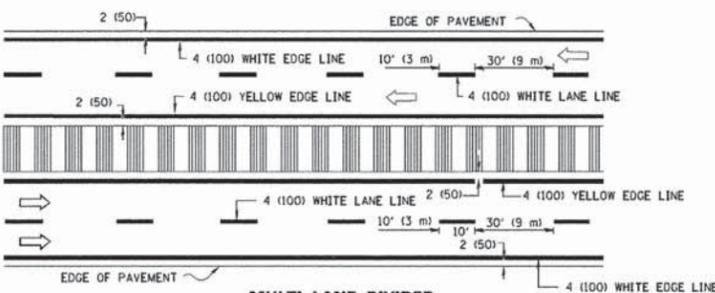
FILE NAME = W:\distata\22\34\tc18.dgn	USER NAME = goglianob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 03-06-96	REVISED - A. HOUSEH 10-15-96		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	15-00040-00-SW	COOK	23	14
PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00							TC-10			CONTRACT NO. 61059
									FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECTS-4009(35B)			



2-LANE ROADWAY

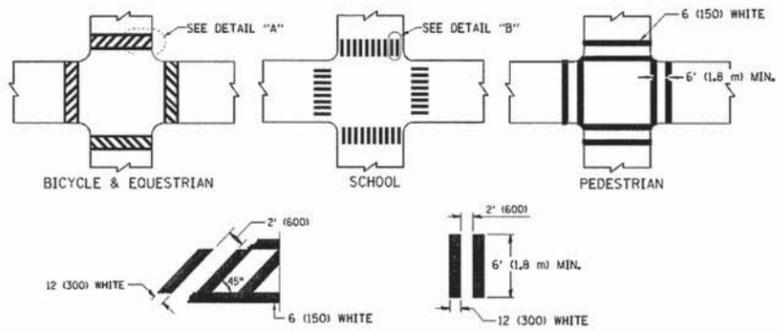


MULTI-LANE UNDIVIDED



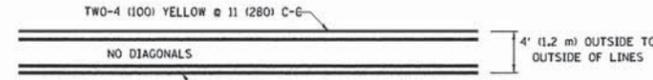
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

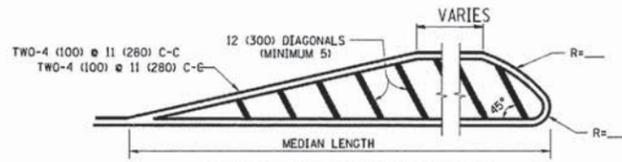


TYPICAL CROSSWALK MARKING

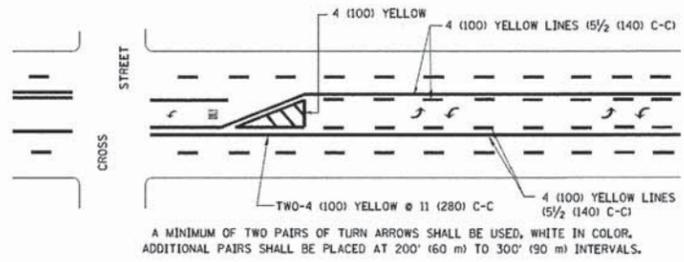
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



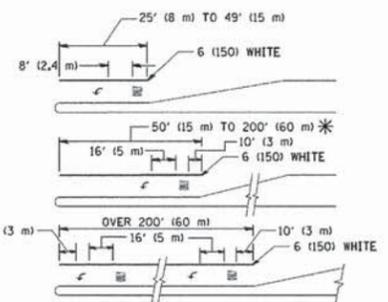
4' (1.2 m) WIDE MEDIANS ONLY



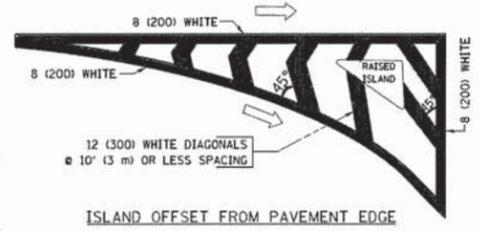
MEDIANS OVER 4' (1.2 m) WIDE



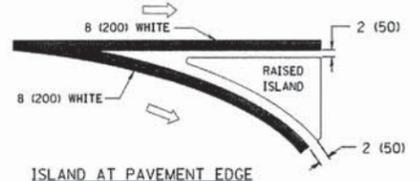
TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING

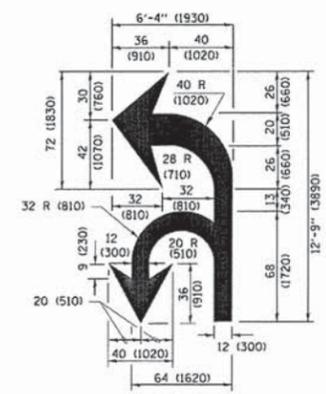


ISLAND OFFSET FROM PAVEMENT EDGE

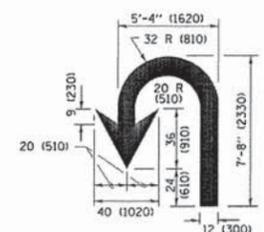


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. 15-00040-00-SW
 DATE 2/4/2016
 PROJECT LOCATION: CHICAGO, ILLINOIS
 SHEET NO. 15-00040-00-SW-15

FILE NAME =	USER NAME = lssckr1	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
PROJECT NO. = 15-00040-00-SW	PROJECT TITLE = DISTRICT ONE	DRAWN - CAD	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50,000 / 1" = 100'	CHECKED -	DATE = 03-19-90	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 12/21/2015			REVISED - C. JUCIUS 12-21-15

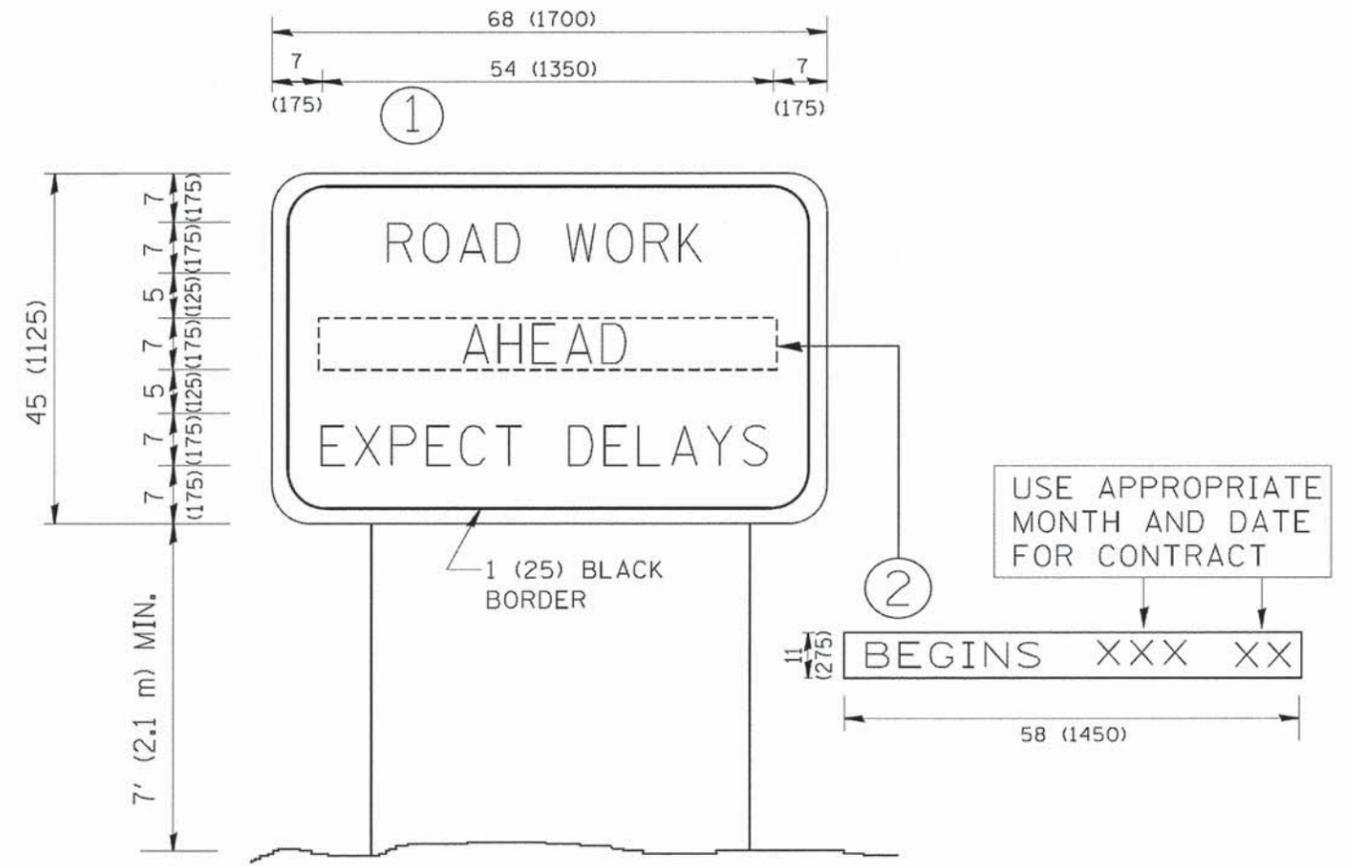
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00040-00-SW	COOK	23	15
TC-13		CONTRACT NO. 61C59		
ILLINOIS FED. AID PROJECTS-4009358				

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 STATE OF ILLINOIS. PROJECT NO. 15-00040-00-SW
 DATE: 2/4/2008. DRAWN BY: GJL/NOBT
 I:\Chicago\CD\15-00040-00-SW\15-00040-00-SW-DISTRICT ONE DETAILS - TC.dgn

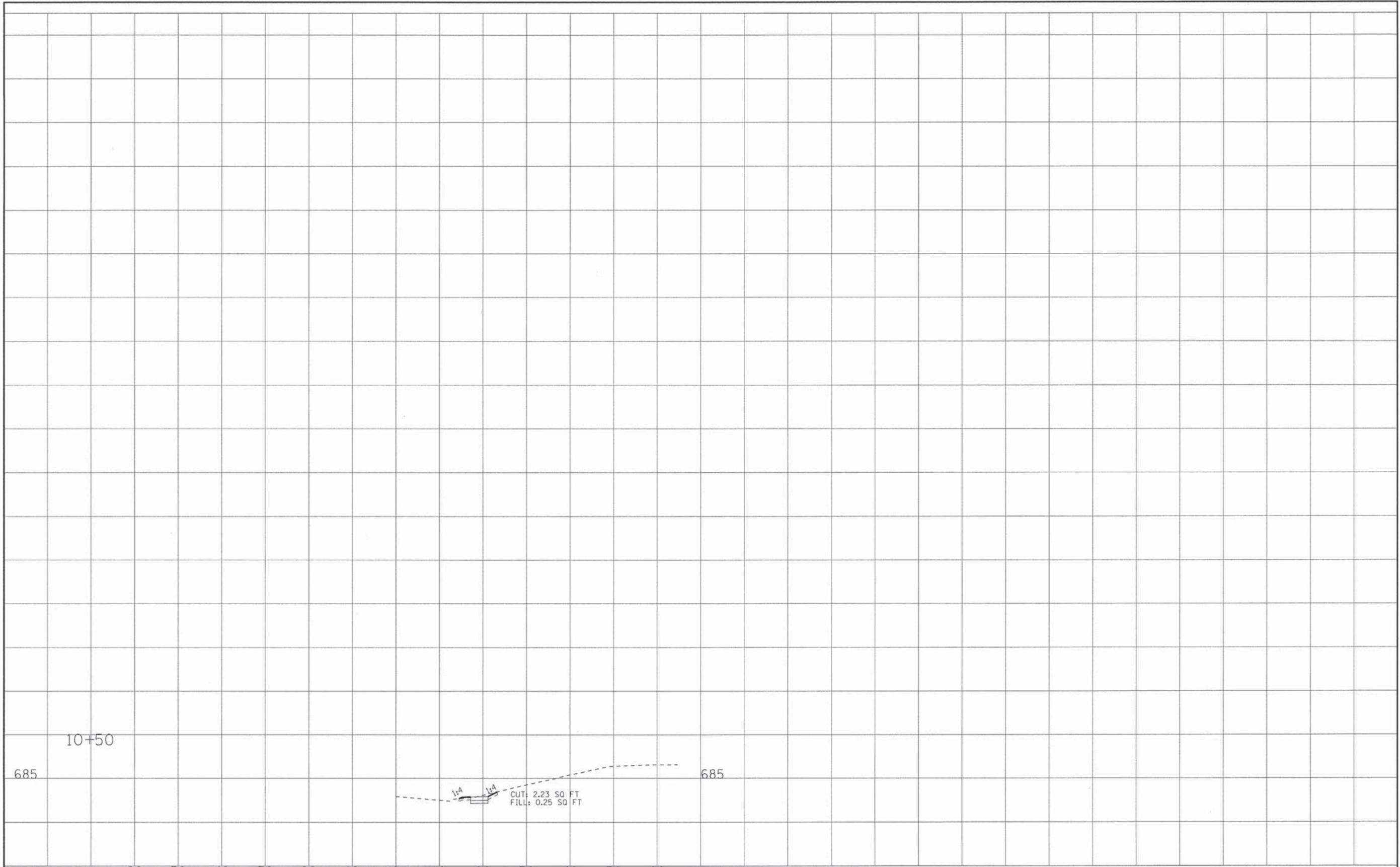


NOTES:

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.

FILE NAME = W:\distated\22x34\to22.dgn	USER NAME = gaglianob	DESIGNED - DRAWN -	REVISED - R, MIRS 09-15-97 REVISED - R, MIRS 12-11-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T, RAMMACHER 02-02-99	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	15-00040-00-SW	COOK	23	16
PLOT DATE = 1/4/2008	DATE -	REVISED - C, JUCIUS 01-31-07					TC-22		CONTRACT NO. 61C59		
							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECTS-4009(358)				



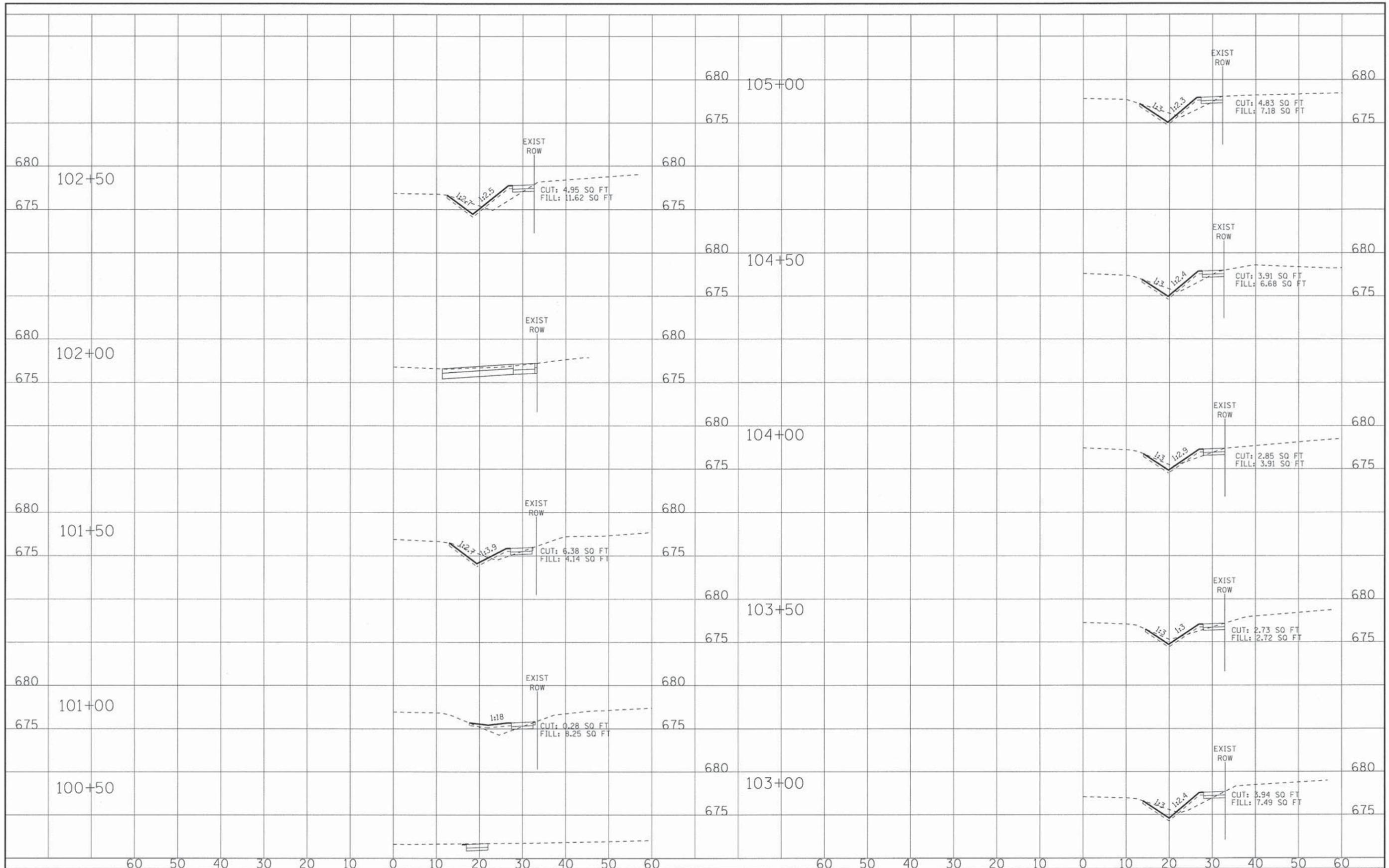
BAXTER & WOODMAN Consulting Engineers	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - TMS	REVISED -
	DATE - 11-20-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - KOSTNER AVENUE

SCALE: H: 1"=10' V: 1"=5'
STA. 10+50 TO STA. 10+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00040-00-SW	COOK	23	17
• OFF SYSTEM			CONTRACT NO. 61C59	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECTS/RTS-4009(358)				



BAXTER & WOODMAN
Consulting Engineers

DESIGNED - L.J.F.	REVISED -
DRAWN - K.A.R.	REVISED -
CHECKED - T.M.S.	REVISED -
DATE - 11-20-15	REVISED -

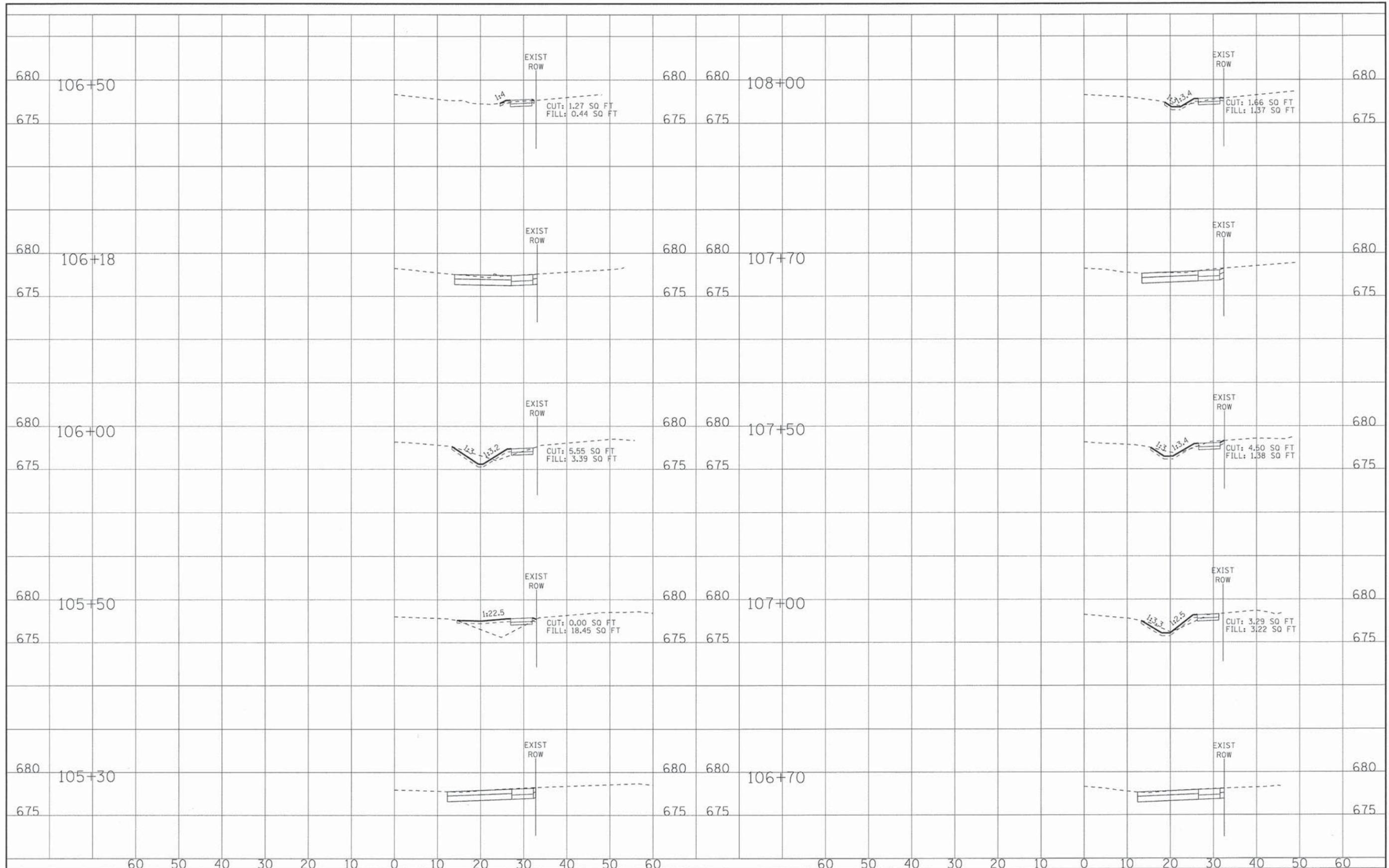
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 180TH STREET

SCALE: H: 1"=10' V: 1"=5'

STA. 100+50 TO STA. 105+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00040-00-SW	COOK	23	18
•	OFF SYSTEM			CONTRACT NO. 61C59
	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECTS	RTS-4009(358)	



BAXTER & WOODMAN
Consulting Engineers

DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - T.M.S.	REVISED -
DATE - 11-20-15	REVISED -

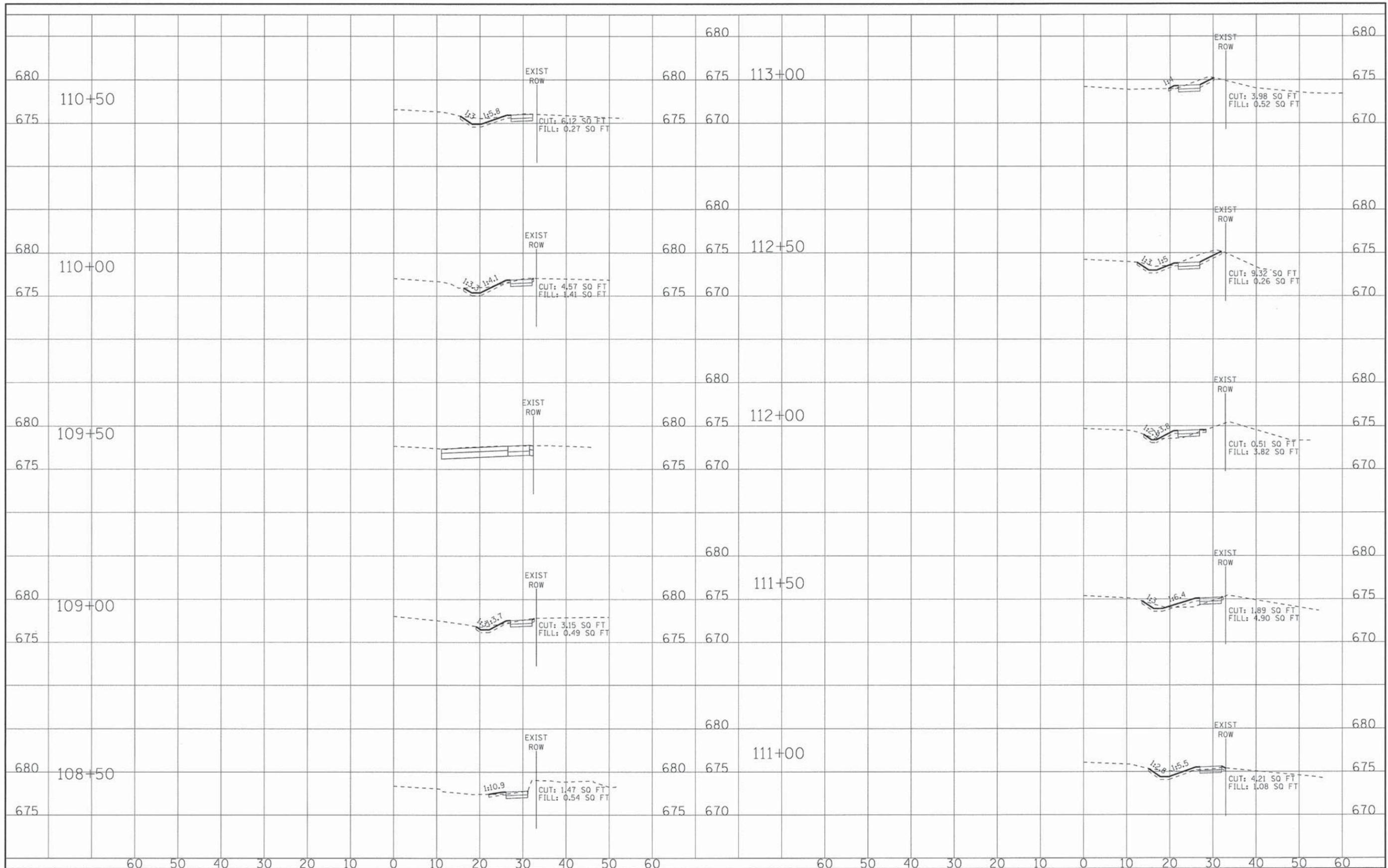
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 180TH STREET

SCALE: H: 1"=10' V: 1"=5'

STA. 105+30 TO STA. 108+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00040-00-SW	COOK	23	19
•	OFF SYSTEM			
FED. ROAD DIST. NO.			CONTRACT NO. 61C59	
ILLINOIS FED. AID PROJECTS RTS-4009(358)				



BAXTER & WOODMAN
Consulting Engineers

DESIGNED - L.J.F.	REVISED -
DRAWN - KAR	REVISED -
CHECKED - T.M.S.	REVISED -
DATE - 11-20-15	REVISED -

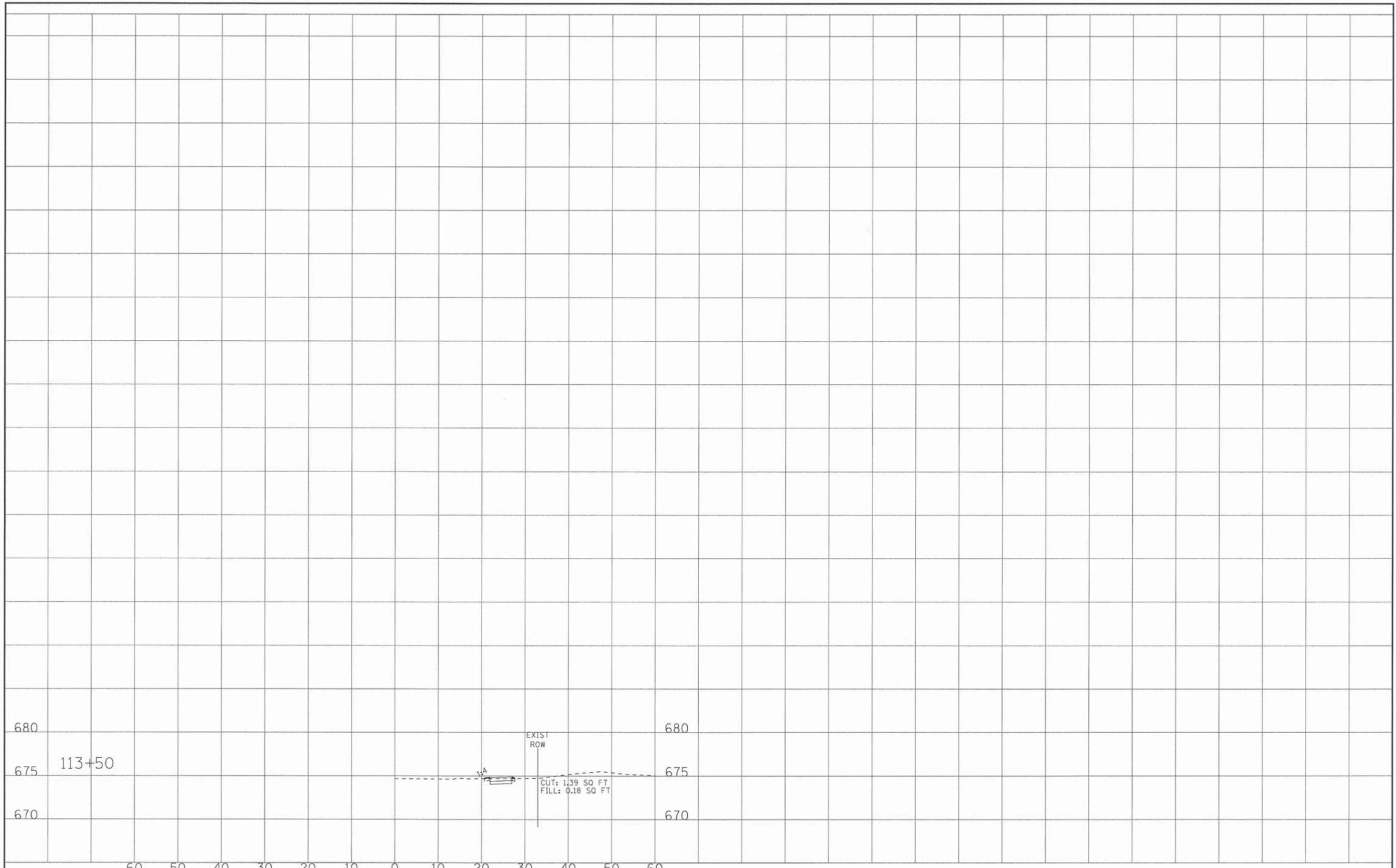
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 180TH STREET

SCALE: H: 1"=10' V: 1"=5'

STA. 108+50 TO STA. 113+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00040-00-SW	COOK	23	20
•	OFF SYSTEM			CONTRACT NO. 61C59
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECTS RTS-4009(358)				



BAXTER & WOODMAN Consulting Engineers	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - TMS	REVISED -
	DATE - 11-20-15	REVISED -

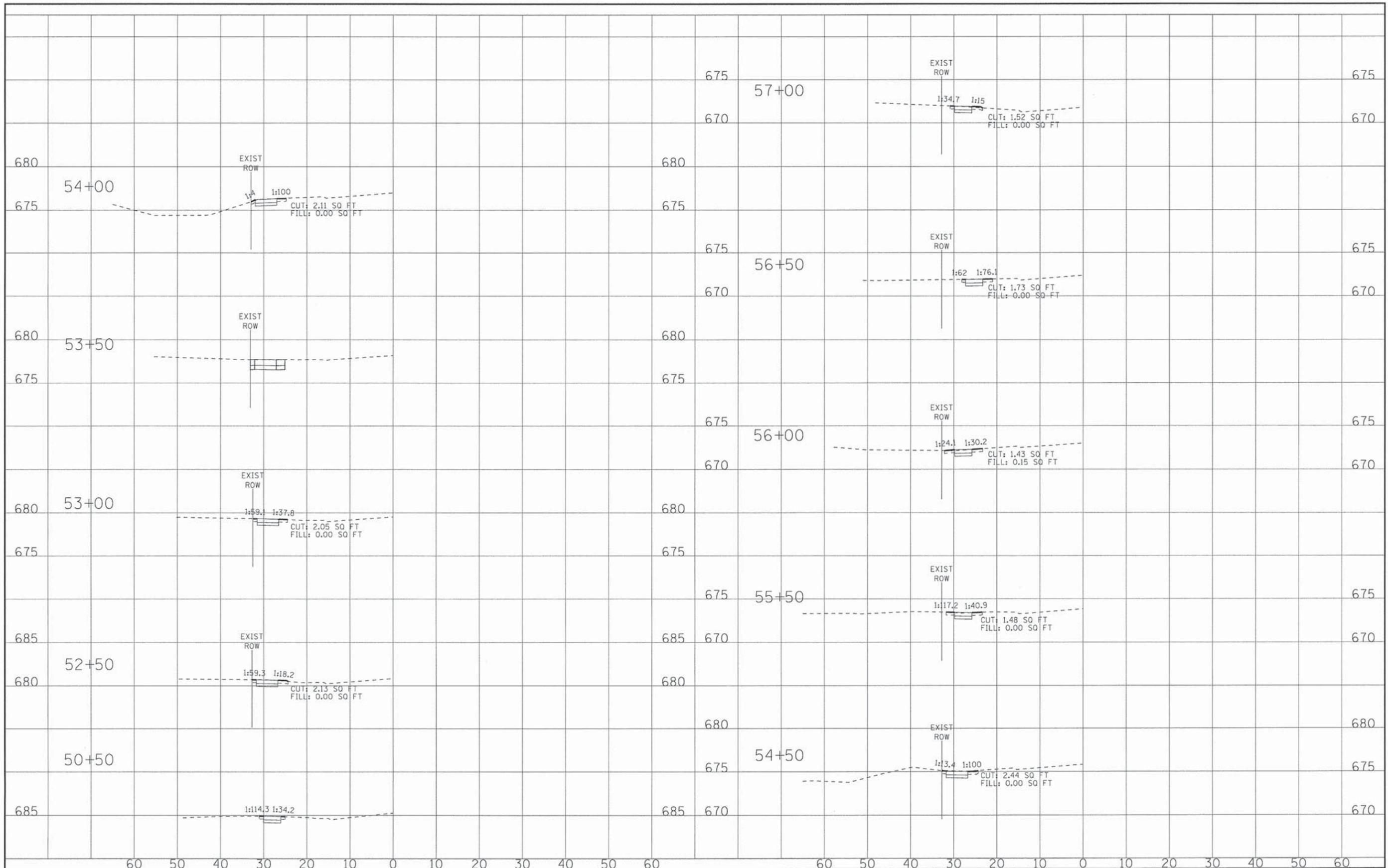
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - 180TH STREET

SCALE: H: 1"=10' V: 1"=5'

STA. 113+50 TO STA. 113+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00040-00-SW	COOK	23	21
•	OFF SYSTEM		CONTRACT NO. 61C59	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECTS RT5-4009(358)		



DESIGNED - LJF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11-20-15	REVISED -

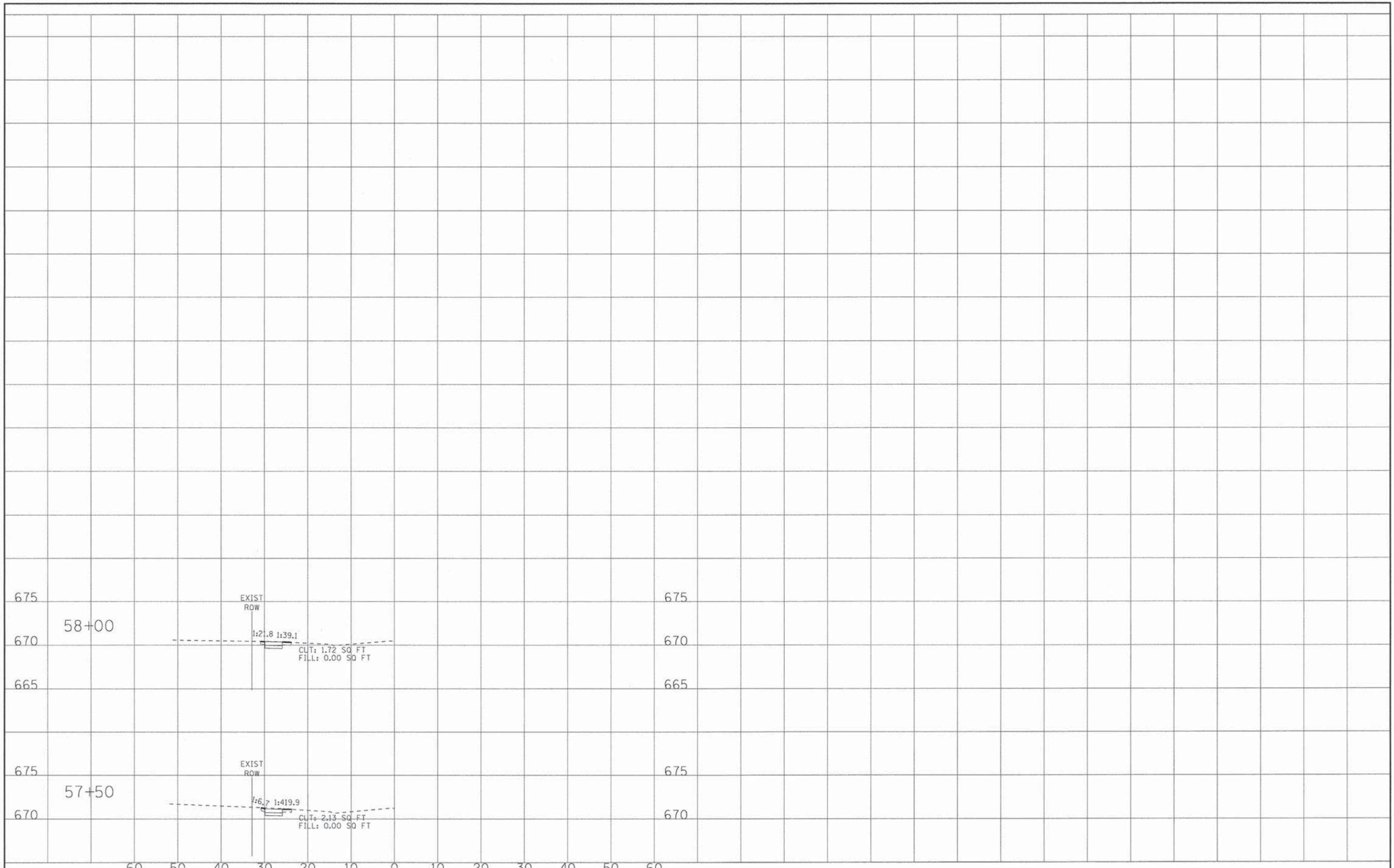
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - RAVISLOE TERRACE

SCALE: H: 1"=10' V: 1"=5'

STA. 50+50 TO STA. 57+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• OFF SYSTEM	15-00040-00-SW	COOK	23	22
CONTRACT NO. 61C59			ILLINOIS FED. AID PROJECT SRTS-4009(35B)	



	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - XXX	REVISED -
	DATE - 11-20-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - RAVISLOE TERRACE
 SCALE: H: 1"=10' V: 1"=5'
 STA. 57+50 TO STA. 58+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• OFF SYSTEM	SECTION NO.	COUNTY	23	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT SRTS-4009(358)		