

04-26-13 LETTING ITEM 005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU 1587 (127th STREET)
SECTION 3034-RS-S
RIDGELAND AVE. TO IL RTE. 83
DRAINAGE & RESURFACING (3P)
PROJECT: M-1587(006)
COOK COUNTY
C-91-038-11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	60L82	

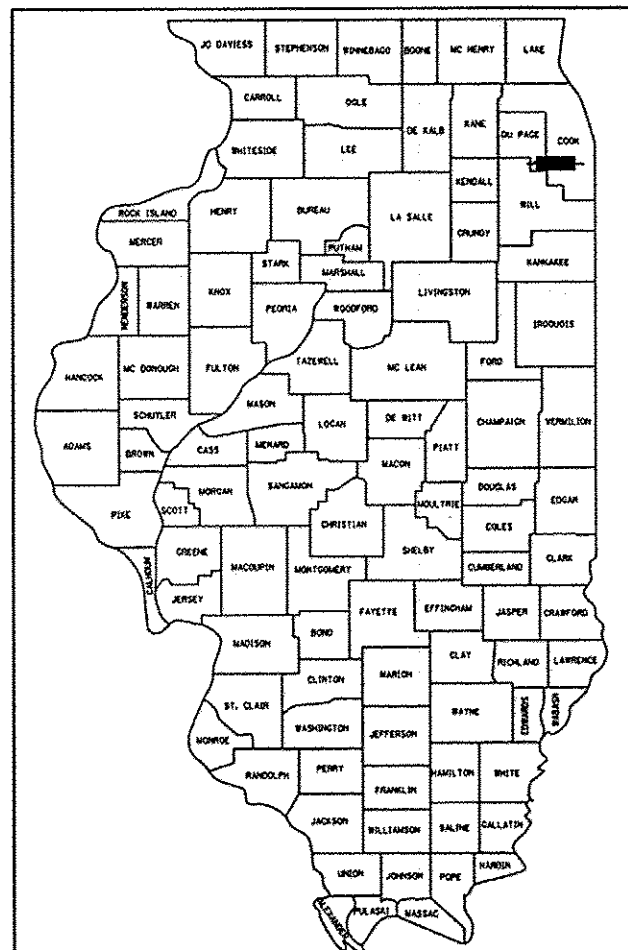
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:

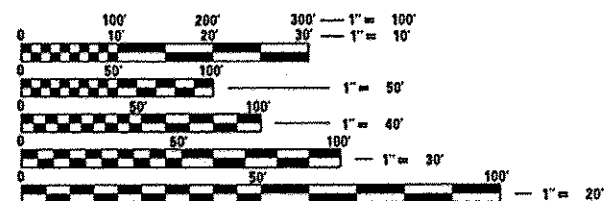
SPEED LIMIT: 35 M.P.H.

2010 ADT = 15,900

PROJECT LOCATED IN THE
VILLAGES OF PALOS HEIGHTS
CRESTWOOD, AND ALSIP



LOCATION OF SECTION INDICATED THUS: - [black rectangle]



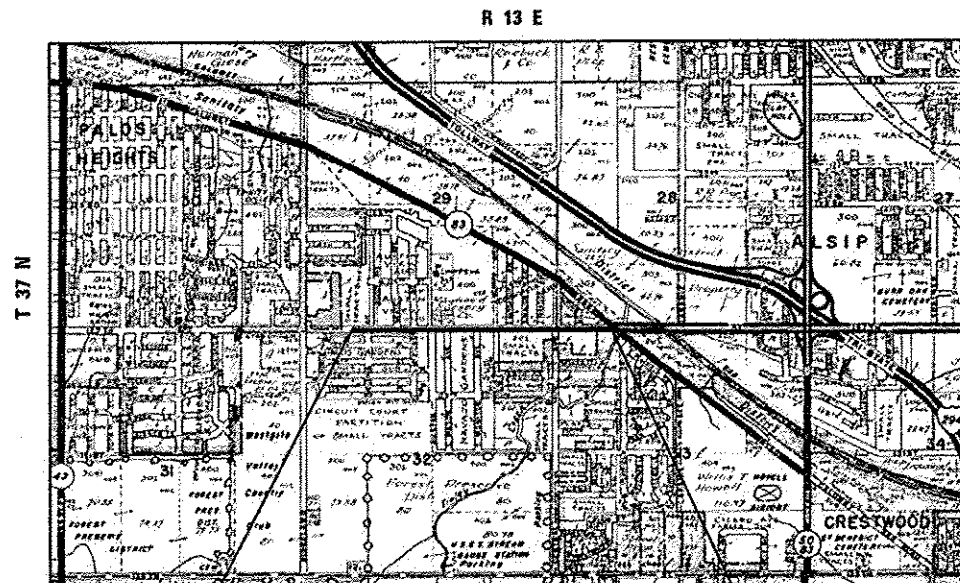
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

(HRGREEN) PROJECT ENGINEER: CHRISTOPHER HARTKE (815) 385-1778

(IDOT) PROJECT MANAGER: KEN ENG (847) 705-4247

CONTRACT NO. 60L82



PROJECT BEGINS
STA. 89 + 15

PROJECT ENDS
STA. 146 + 80

WORTH TOWNSHIP

GROSS LENGTH OF PROJECT = 5,765 FT. = 1.09 MILE

NET LENGTH OF PROJECT = 5,765 FT. = 1.09 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 5 20 13
Alan Fortman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 22 20 13
John D. Baranzolli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 22 20 13
Chris Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Hartke

EXPIRES: 11-30-2013

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OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 00	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001 - 07	CURB RAMP FOR SIDEWALKS
442201 - 03	CLASS C AND D PATCHES
542306 - 02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602101 - 02	DRAINAGE STRUCTURES TYPES 1, 2 & 3
602601 - 02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602406 - 05	MANHOLE TYPE A 6" (1.8 m) DIAMETER
604001 - 03	FRAME AND LIDS TYPE 1
604031 - 02	GRATE TYPE 7
606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701011 - 03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311 - 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701502 - 05	URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606 - 08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701 - 08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901 - 02	TRAFFIC CONTROL DEVICES
886001 - 01	DETECTOR LOOP INSTALLATIONS
701501-06	

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- 2. 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 3. THE CONTRACTOR SHALL CONTACT WORTH TOWNSHIP AND THE VILLAGES OF ALSIP, CRESTWOOD, AND PALOS HEIGHTS TO COORDINATE CONSTRUCTION ACTIVITIES TWO WEEKS BEFORE BEGINNING THE CONSTRUCTION
- 4. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 6. SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- 7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 8. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 9. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- 10. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- 11. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKING ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS.
- 12. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK
- 13. THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, THE AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800 AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 14. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 15. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
- 16. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 17. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- 19. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- 21. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 22. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- 23. UNLESS OTHERWISE NOTED ALL OFFSETS FOR ALL DRAINAGE STRUCTURES ARE TO THE CENTER OF THE STRUCTURE.

GENERAL NOTES (CONTINUED)

- 24. STORM SEWER LENGTHS ARE MEASURED FROM INSIDE EDGE OF THE STRUCTURE TO THE INSIDE EDGE OF STRUCTURE, THEN ADDING 0.5' TO EACH END OF THE PIPE. SLOPE OF PIPE IS CALCULATED BY DIVIDING THE DIFFERENCE IN ELEVATION BY THE PIPE LENGTH.
- 25. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- 26. RIM ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED, OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE ADJUSTMENT OR RECONSTRUCTION COST.
- 27. STORM SEWER, SHALL BE BACK FILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- 28. PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE
- 29. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

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	DATE - 2/8/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES			
SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3034-RS-S	COOK	48	2
CONTRACT NO. 60L82			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	DRAINAGE
			URBAN		
			0005	0043	
			URBAN	URBAN	
20200100	EARTH EXCAVATION	CU YD	211.5		211.5
20400800	FURNISHED EXCAVATION	CU YD	143.4		143.4
20800150	TRENCH BACKFILL	CU YD	314		314
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,600	4,600	
21400100	GRADING AND SHAPING DITCHES	FOOT	1,040		1,040
25000400	NITROGEN FERTILIZER NUTRIENT	POUNDS	86	86	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUNDS	86	86	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUNDS	86	86	
25200110	SODDING, SALT TOLERANT	SQ YD	4,600	4,600	
25200200	SUPPLEMENTAL WATERING	UNIT	230	230	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	95		95
28000305	TEMPORARY DITCH CHECKS	FOOT	100		100
28000400	PERIMETER EROSION CONTROL BARRIER	FOOT	2,540		2,540
28000510	INLET FILTERS	EACH	11		11
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	4,600		4,600

• SPECIALTY ITEMS

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PLOT DATE = 2/8/2013	CHECKED - TEH	REVISED -
	DATE - 2/8/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)			
SCALE: N.T.S.	SHEET NO. 1 OF 5 SHEETS	STA. NA	TO STA. NA

F.A. RTE. 1587	SECTION 3034-R5-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 3
CONTRACT NO. 60L82			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	DRAINAGE
				0005	0043
				URBAN	URBAN
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	332	332	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	18	18	
40600300	AGGREGATE (PRIME COAT)	TON	95	95	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	943	943	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	355	355	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	285	285	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	50	50	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,031	2,031	
42001300	PROTECTIVE COAT	SO YD	56	56	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	23,606	23,606	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	426	426	
44002213	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/4"	SO YD	1,520	1,520	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	203	203	

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)			
SCALE: N.T.S.	SHEET NO. 2 OF 5 SHEETS	STA. NA	TO STA. NA

F.A. RTE. 1587	SECTION 3034-R5-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 4
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 60L82				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	DRAINAGE
				0005	0043
				URBAN	URBAN
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	236	236	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	215	215	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	515	515	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	297	297	
50105220	PIPE CULVERT REMOVAL	FOOT	539		539
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	12		12
55101900	STORM SEWER REMOVAL 48"	FOOT	52		52
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	780		780
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	156		156
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	251		251
60624600	CORRUGATED MEDIAN	SO FT	84	84	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	

• SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

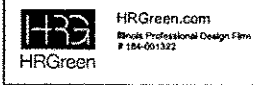
SUMMARY OF QUANTITIES			
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)			
SCALE: N.T.S.	SHEET NO. 3 OF 5 SHEETS	STA. NA	TO STA. NA

F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	DRAINAGE
				0005	0043
				URBAN	URBAN
	<i>URBAN</i>				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6,220	6,220	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	75	75	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14,670	14,670	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	385	385	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	455	455	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	130	130	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,075	2,075	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	75	75	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,670	14,670	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	385	385	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	455	455	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	130	130	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	170	170	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	170	170	

* SPECIALTY ITEMS

COMPANY NAME: HRGreen.com
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 CLIENT: # 184-001322
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 PLOT SCALE: N.T.S.
 PLOT DRIVER: defacj
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	DRAWN - SMP	REVISED -
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PLOT DATE - 2/8/2013	DATE - 2/8/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)	
SCALE: N.T.S.	SHEET NO. 4 OF 5 SHEETS
STA. NA	TO STA. NA

F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 6
CONTRACT NO. 60L82			ILLINOIS FED. AID PROJECT	

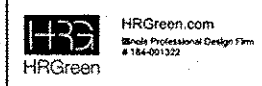
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				ROADWAY	DRAINAGE
				0005	0043
				URBAN	URBAN
88600600	DETECTOR LOOP REPLACEMENT	FOOT	601	601	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	83	83	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	6		6
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SO YD	95	95	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	5	
Δ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	244		244
X6024090	MANHOLES, TYPE A, 6' -DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	4		4
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6		6
X6060500	CORRUGATED MEDIAN REMOVAL	SO FT	84	84	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	138	138	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0018304	DRAINAGE STRUCTURE TYPE 2 (SPECIAL)	EACH	1		1
Δ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	13		13
Z0029604	HEADWALL REMOVAL	EACH	2		2
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4	

URBAN

Δ 100% STATE (NP)

• SPECIALTY ITEMS

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: [Name]
 CLIENT: [Name]
 DATE PLOTTED: 2/8/2013 11:46:46 AM
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FLOT DATE = 2/8/2013	DATE - 2/8/13	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)			
SCALE: N.T.S.	SHEET NO. 5 OF 5 SHEETS	STA. NA	TO STA. NA

F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	

127TH STREET EARTHWORK			
STATION	20200100	20400800	EARTHWORK BALANCE WASTE (+) OR
	EARTH EXCAVATION	FURNISHED EXCAVATION	
120+00.00	0.0	0.0	0.0
120+50.00	10.2	2.9	7.3
121+00.00	16.6	3.6	13.0
121+50.00	13.9	0.8	13.1
122+00.00	20.2	0.2	20.0
122+17.20	4.4	0.1	4.3
122+31.80	0.2	3.3	-3.1
122+50.00	0.2	4.2	-4.1
123+00.00	8.2	0.6	7.6
123+42.12	6.9	15.4	-8.5
123+50.00	0.3	2.9	-2.6
123+70.31	0.8	0.0	0.8
124+00.00	1.8	1.6	0.2
124+50.00	11.5	2.8	8.7
125+00.00	16.7	0.3	16.4
125+14.75	4.6	0.2	4.5
125+50.00	5.2	0.2	5.0
126+00.00	1.4	1.4	0.0
126+50.00	4.3	3.6	0.6
126+67.83	2.2	1.1	1.1
127+00.00	4.2	1.7	2.4
127+45.64	7.2	4.1	3.0
127+50.00	0.9	0.5	0.4
128+00.00	12.1	3.2	8.9
128+50.00	11.0	0.3	10.7
128+71.21	1.8	0.0	1.8
129+00.00	1.2	1.0	0.2
129+09.03	0.9	0.5	0.4
129+39.10	3.9	1.7	2.2
129+50.00	1.8	0.5	1.3
130+00.00	7.3	1.8	5.6
130+27.77	1.5	0.6	0.9
130+50.00	0.9	2.7	-1.8
131+00.00	2.0	6.0	-4.0
131+50.00	2.5	5.6	-3.1
131+75.57	2.4	5.5	-3.2
132+00.00	2.1	6.2	-4.2
132+50.00	4.4	16.7	-12.2
133+00.00	4.4	20.2	-15.7
133+26.59	1.6	13.0	-11.4
133+50.00	2.9	6.3	-3.4
133+96.73	4.9	0.0	4.9
TOTALS	211.5	143.4	68.1
	CU YD	CU YD	CU YD

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 DATE PLOTTED: 2/8/2013 14:53:44
 FILE NAME: 46100196.01-sch-01.dgn
 PLOT DRIVER: pdfcut
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PLOT DATE = 2/8/2013	CHECKED - TEH	REVISED -
	DATE - 2/8/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. BEGIN TO STA. END

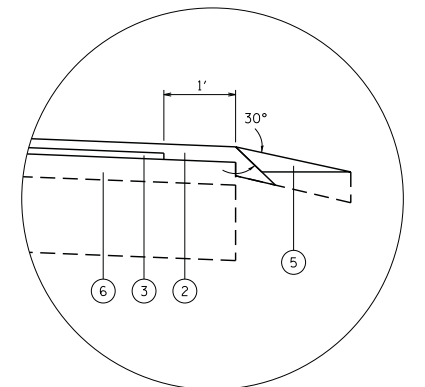
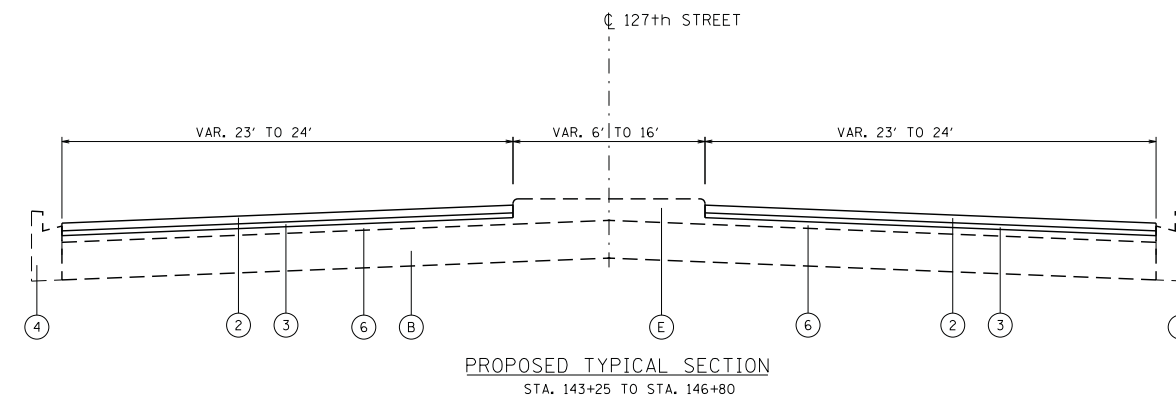
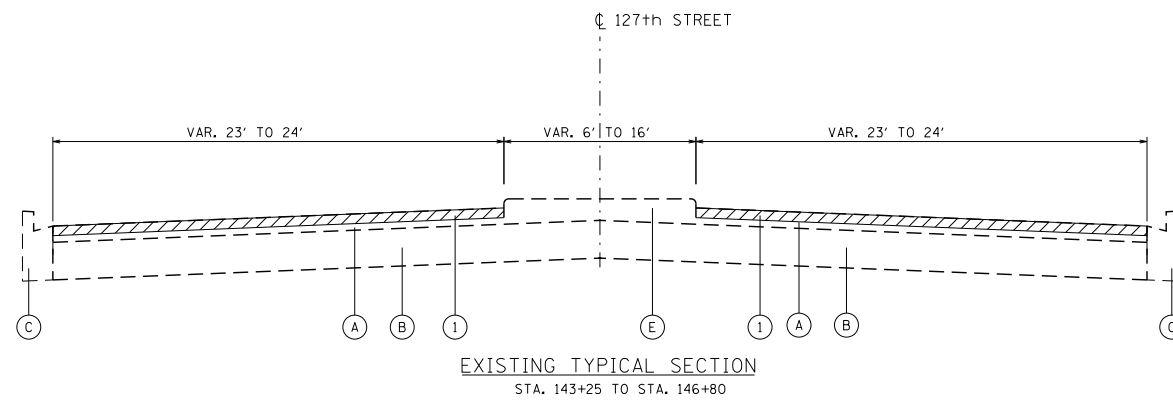
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	8
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EXISTING CONDITIONS

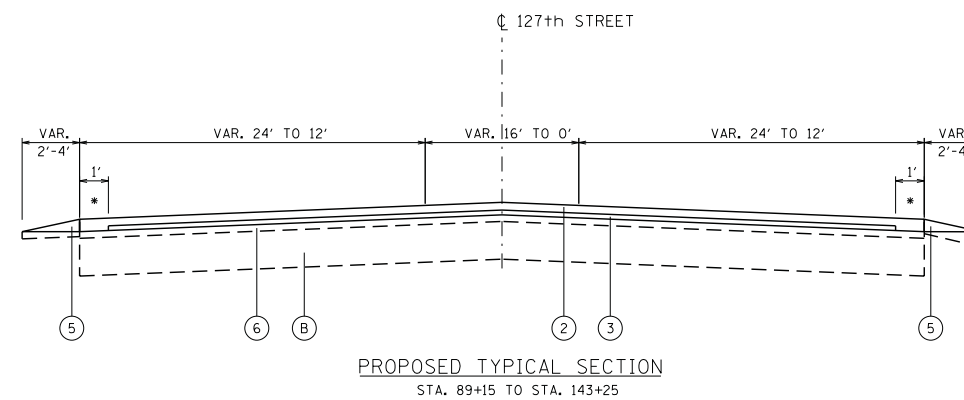
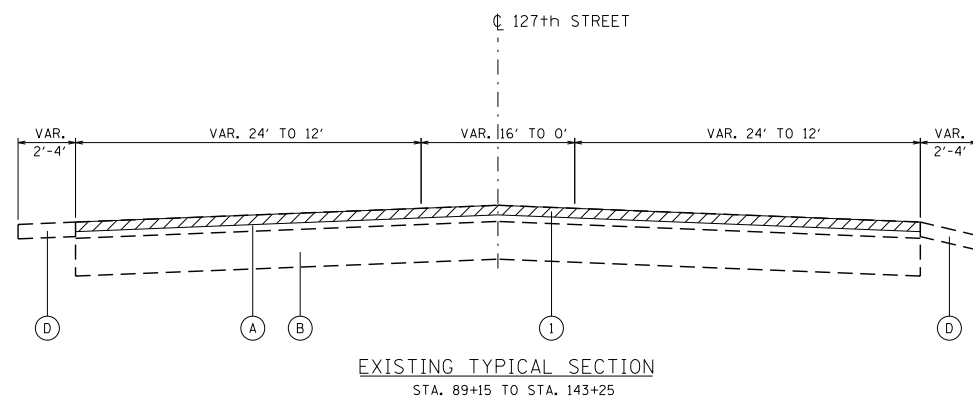
- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3 1/4"
- (B) PCC PAVEMENT, 10"
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) AGGREGATE SHOULDERS
- (E) MOUNTABLE CONCRETE MEDIAN, CORRUGATED
- (F) PORTLAND CEMENT CONCRETE PAVEMENT, 9"

PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMBINATION CURB & GUTTER REMOVAL AND REPLACEMENT (AT LOCATIONS AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B (TAPER 3" TO 1" THICKNESS)
- (6) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL



NOTE: INCREASED THICKNESS OF HMA SURFACE COURSE ALONG SHOULDER EDGE SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70



NOTE: THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING. SEE DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS (%) @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER, IL-19mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N 50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm); PE -6"	4% @ 50 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/1IN

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

FOR USE OF RECYCLED MATERIALS SPECIAL PROVISIONS.

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 2/8/2013 14:55:53 AM
FILE NAME: 86100196.01-tyr-01.dgn
PLOT DRIVER: pdfcut
PEN TABLE: standard-trans.tbl



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	DATE - 2/8/13	REVISED -

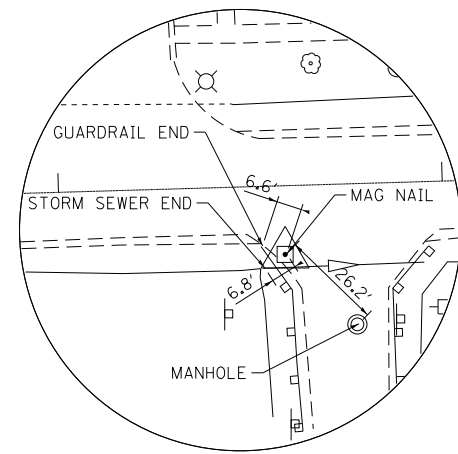
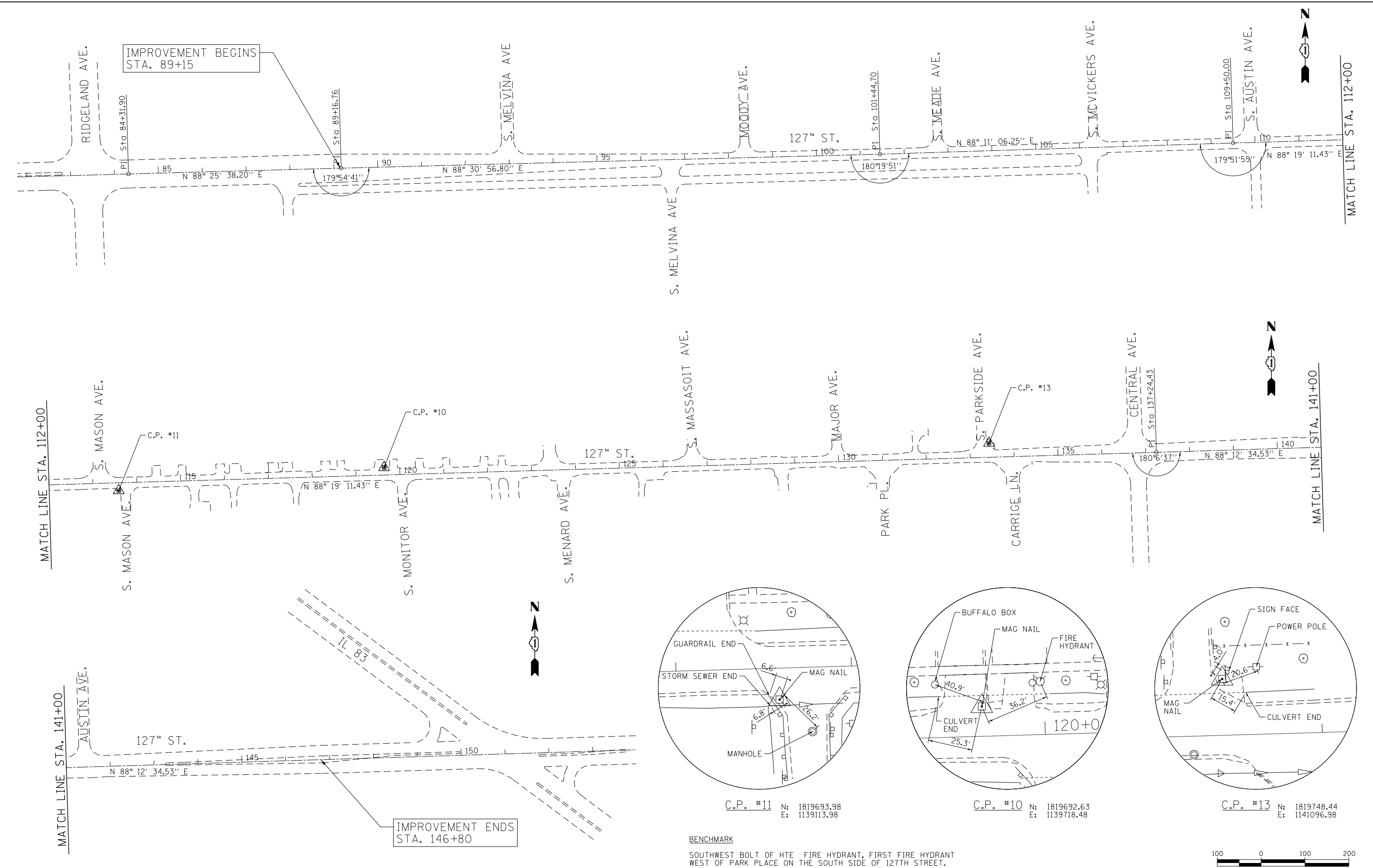
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**

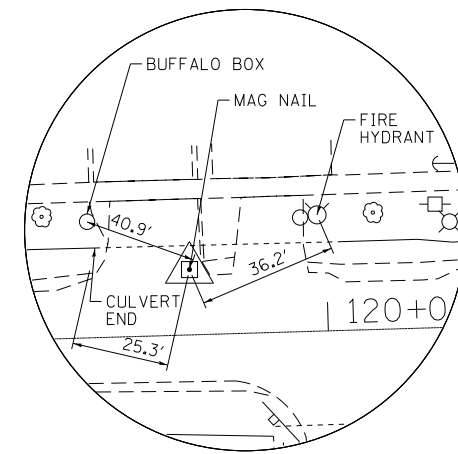
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	9
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

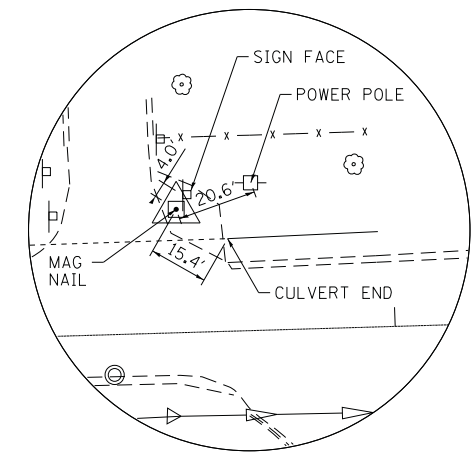
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 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 2/8/2013 1:48:21 AM
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 PLOT DRIVER: pdtplot
 PEN TABLE: standard-trans.tbl



C.P. #11 N: 1819693.98
 E: 1139113.98



C.P. #10 N: 1819692.63
 E: 1139718.48



C.P. #13 N: 1819748.44
 E: 1141096.98

BENCHMARK
 SOUTHWEST BOLT OF HTE FIRE HYDRANT, FIRST FIRE HYDRANT WEST OF PARK PLACE ON THE SOUTH SIDE OF 127TH STREET. ELEV. = 603.86 (NAVD 88)

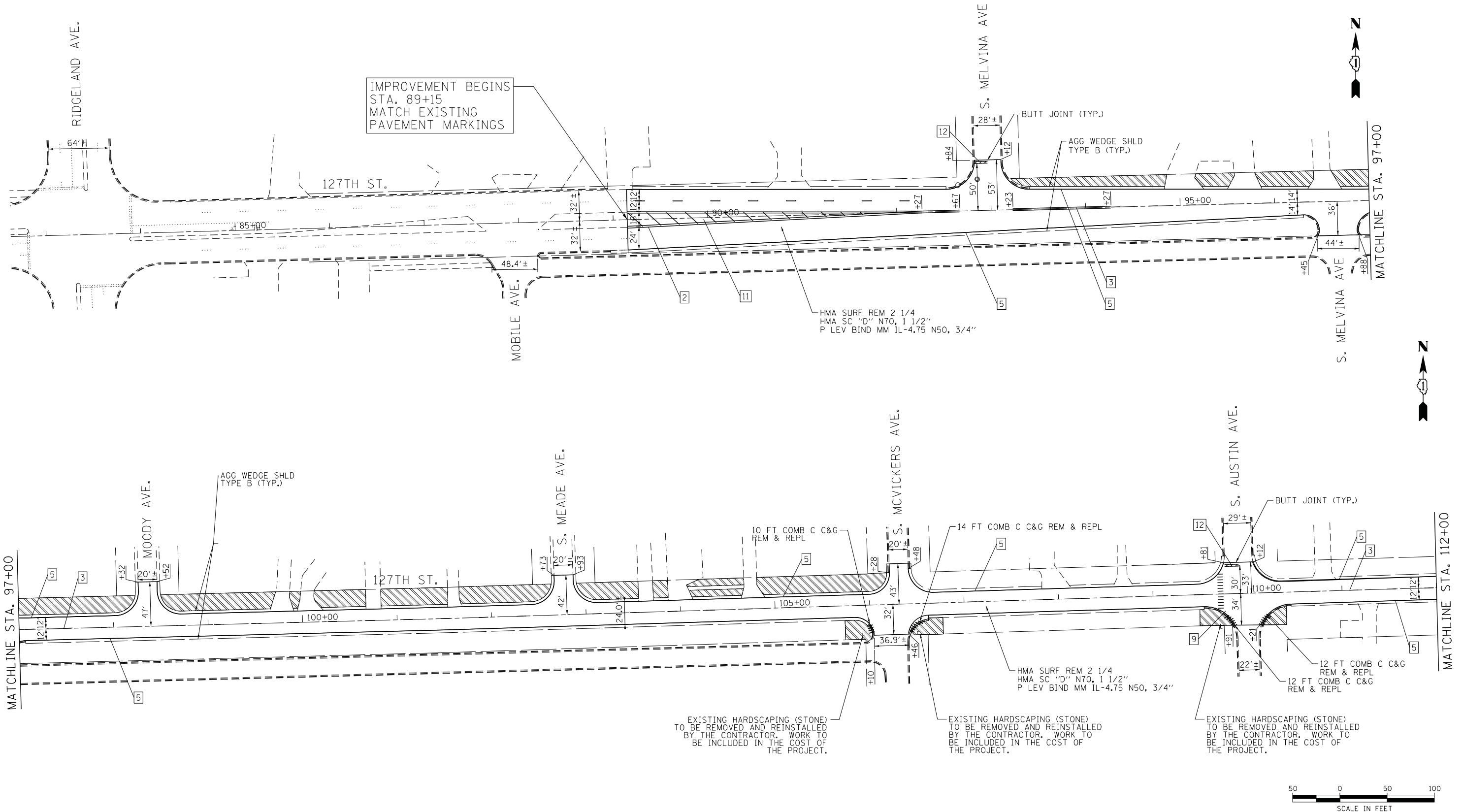


USER NAME = spenral	DESIGNED - CMH	REVISED -
DRAWN - SMP	REVISIONS -	
CHECKED - TEH	REVISIONS -	
DATE - 2/8/13	REVISIONS -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES, AND BENCHMARKS
 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**
 SCALE: 1" = 100' SHEET NO. 1 OF 1 SHEETS STA. BEGIN TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	



LEGEND

[1] LINE 4" (YELLOW SOLID LINE)	[5] LINE 4" (WHITE SOLID LINE)
[2] LINE 4" (DOUBLE YELLOW SOLID LINES)	[6] LINE 6" (WHITE SOLID LINE)
[3] LINE 4" (YELLOW - 10' DASH, 30' SKIP)	[7] LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
[4] LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	[8] LINE 8" (WHITE SOLID LINE)
	[9] LINE 12" (WHITE SOLID LINE)

[10] LINE 12" (WHITE DIAGONAL LINE)	[11] LINE 12" (YELLOW DIAGONAL LINE @ 20' OR 5 MIN.)
[12] LINE 24" (WHITE STOP BAR)	[13] LETTERS AND SYMBOLS (TYP.)
[TOPSOIL] TOPSOIL, 4" AND SODDING, SALT TOLERANT	

- ⊖ EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- SEE DRAINAGE PLAN FOR ADDITIONAL CLASS D PATCHING INFORMATION.

COMPANY NAME: HRGreen
 PROJECT CONTACT: spernal
 DATE PLOTTED: 2/8/2013 14:05:59 AM
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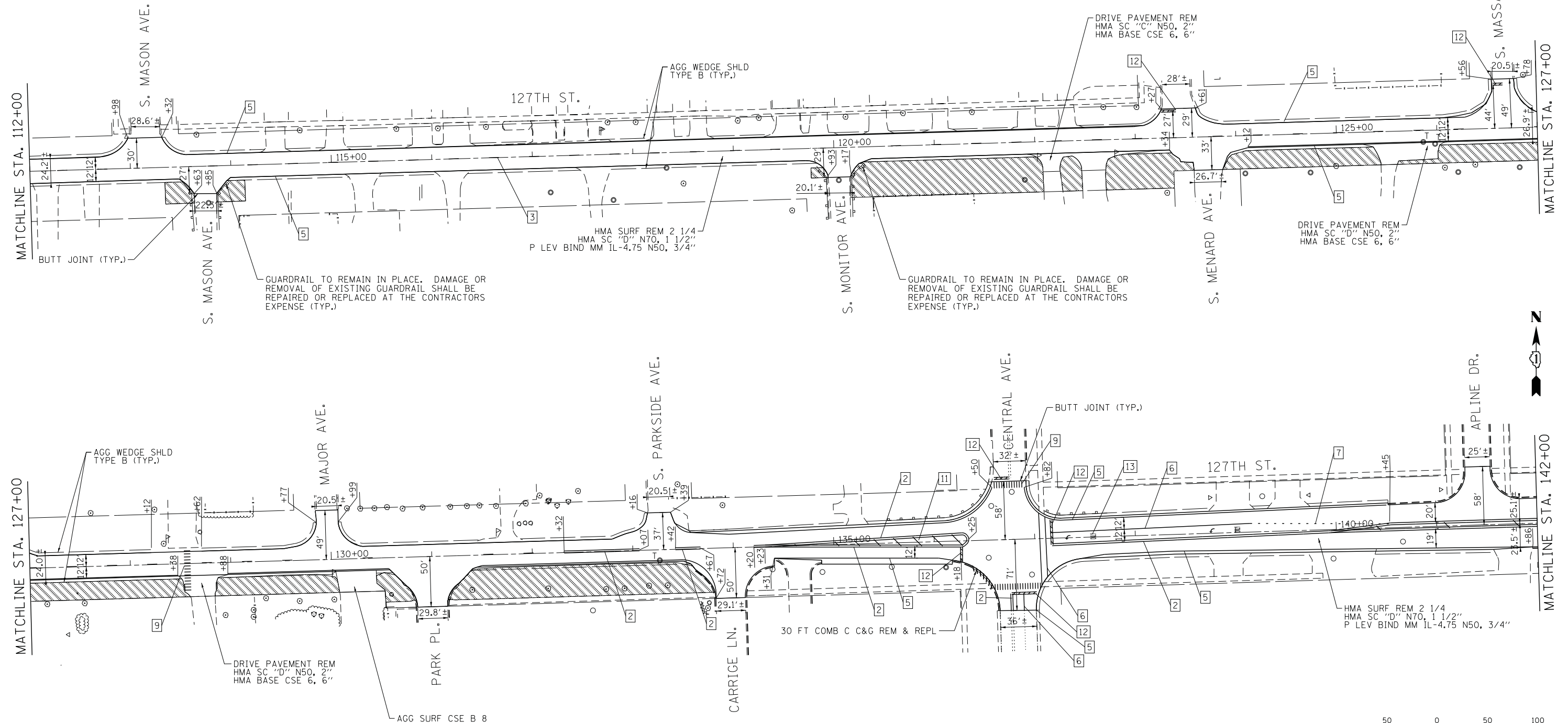
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	DATE - 2/8/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY, PAVEMENT MARKING, AND RESTORATION PLAN
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**

F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 11
CONTRACT NO. 60L82			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. BEGIN TO STA. 112+00



LEGEND

[1] LINE 4" (YELLOW SOLID LINE)	[5] LINE 4" (WHITE SOLID LINE)
[2] LINE 4" (DOUBLE YELLOW SOLID LINES)	[6] LINE 6" (WHITE SOLID LINE)
[3] LINE 4" (YELLOW - 10' DASH, 30' SKIP)	[7] LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
[4] LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	[8] LINE 8" (WHITE SOLID LINE)
	[9] LINE 12" (WHITE SOLID LINE)

[10] LINE 12" (WHITE DIAGONAL LINE)	— EXISTING INLET
[11] LINE 12" (YELLOW DIAGONAL LINE @ 20' OR 5 MIN.)	○ EXISTING CATCH BASIN
[12] LINE 24" (WHITE STOP BAR)	⊙ EXISTING MANHOLE
[13] LETTERS AND SYMBOLS (TYP.)	
▨ TOPSOIL, 4" AND SODDING, SALT TOLERANT	

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- SEE DRAINAGE PLAN FOR ADDITIONAL CLASS D PATCHING INFORMATION.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 2/8/2013 15:52:10 AM
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 PEN TABLE: standard-trans.tbl



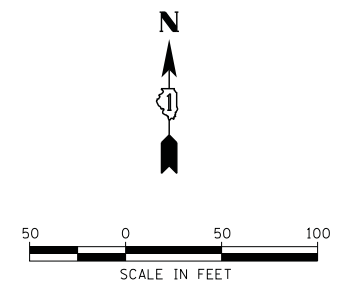
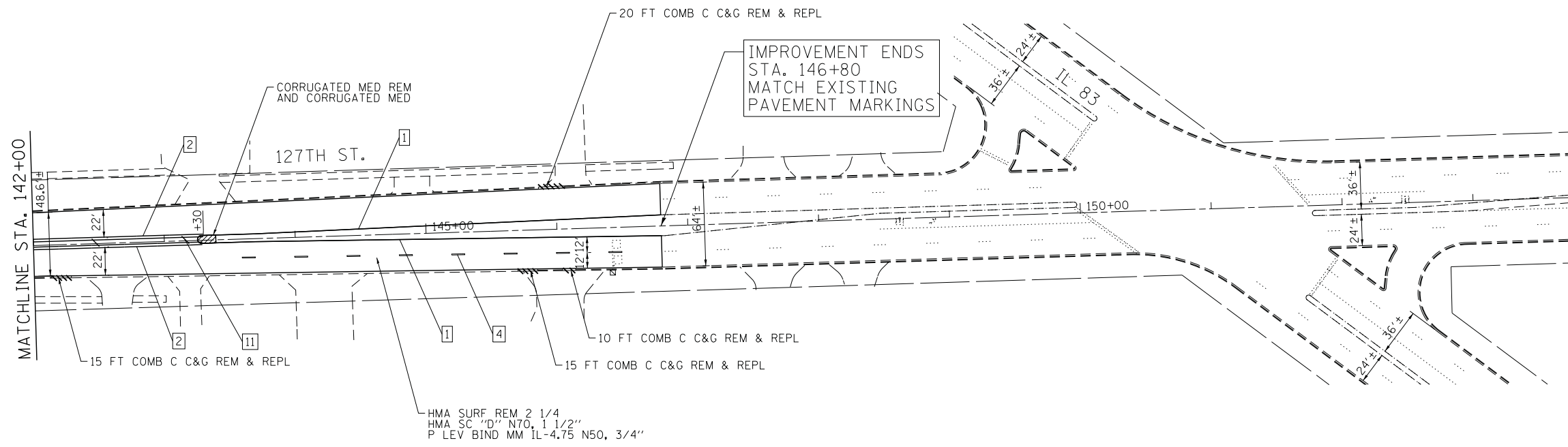
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	DATE - 2/8/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY, PAVEMENT MARKING, AND RESTORATION PLAN
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 112+00 TO STA. 127+00

F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	



LEGEND	
1	LINE 4" (YELLOW SOLID LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
5	LINE 4" (WHITE SOLID LINE)
6	LINE 6" (WHITE SOLID LINE)
7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8	LINE 8" (WHITE SOLID LINE)
9	LINE 12" (WHITE SOLID LINE)
10	LINE 12" (WHITE DIAGONAL LINE)
11	LINE 12" (YELLOW DIAGONAL LINE @ 20' OR 5 MIN.)
12	LINE 24" (WHITE STOP BAR)
13	LETTERS AND SYMBOLS (TYP.)
[Hatched Box]	TOPSOIL, 4" AND SODDING, SALT TOLERANT
[Open Square]	EXISTING INLET
[Open Circle]	EXISTING CATCH BASIN
[Circle with Center]	EXISTING MANHOLE

NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
- SEE DRAINAGE PLAN FOR ADDITIONAL CLASS D PATCHING INFORMATION.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 2/8/2013 15:52:33 AM
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HRGreen.com
 Illinois Professional Design Firm
 #184-001322

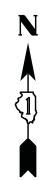
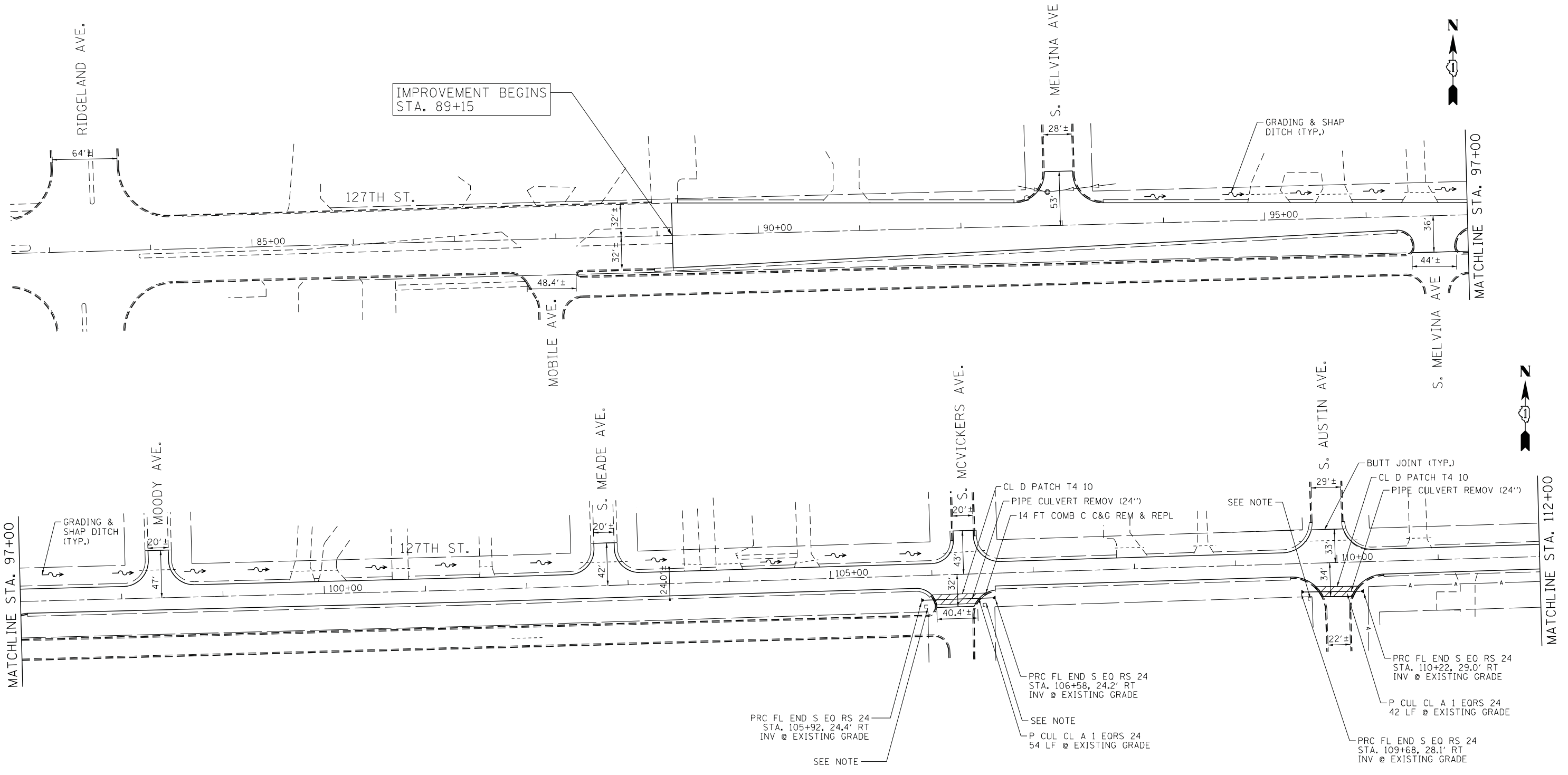
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	DATE - 2/8/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY, PAVEMENT MARKING, AND RESTORATION PLAN
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 142+00 TO STA. END

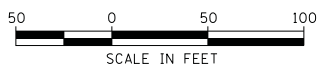
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60L82



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL

NOTE:
 THE CONTRACTOR SHALL TAKE PRECAUTIONS AS TO NOT DAMAGE EXISTING BRICK PILLARS AT APPROXIMATELY STA. 105+93, 106+51, AND STA. 109+73 DURING PIPE CULVERT INSTALLATION. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 2/8/2013 15:06 AM
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 PEN TABLE: standard-trans.tbl



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

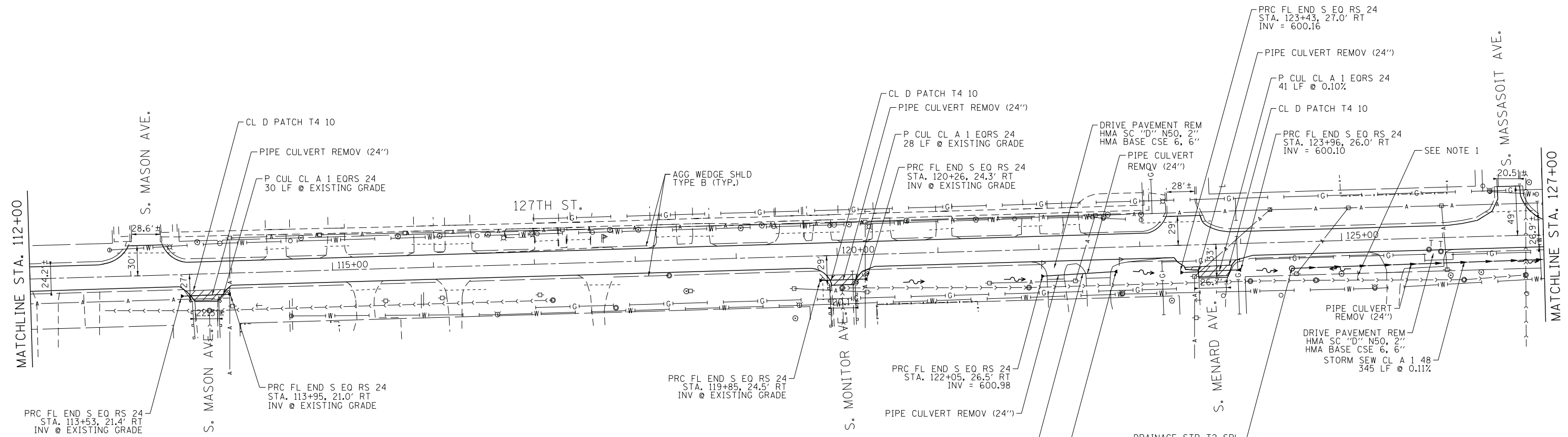
**DRAINAGE PLAN
 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**
 SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 97+00 TO STA. 112+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	14
CONTRACT NO.			60L82	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
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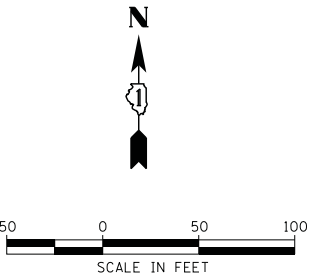
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	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 2/8/2013 11:52:01 AM
 FILE NAME: 860005607-dpp-02.dgn
 PLOT NUMBER: 1587
 PER TABLE: 3034-RS-S



NOTE:
 1. GRADING AT EXISTING PIPE OUTLET SHALL MAINTAIN POSITIVE SLOPE TO ENSURE DRAINAGE INTO THE PROPOSED DITCH.

LEGEND	
□	EXISTING INLET
○	EXISTING CATCH BASIN
⊙	EXISTING MANHOLE
T	TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
⊕	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



112+00	113+00	114+00	115+00	116+00	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00													
612.95	612.73	612.53	612.33	612.04	611.73	611.34	610.86	610.26	609.68	609.00	608.27	607.56	606.84	606.12	605.54	604.95	604.44	604.04	603.83	603.71	603.58	603.62	603.63	603.57	603.53	603.46	603.31	603.11

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = spernal	DESIGNED - CMH	REVISED -
	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TEH	REVISED -
PLOT DATE = 2/8/2013	DATE - 2/8/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

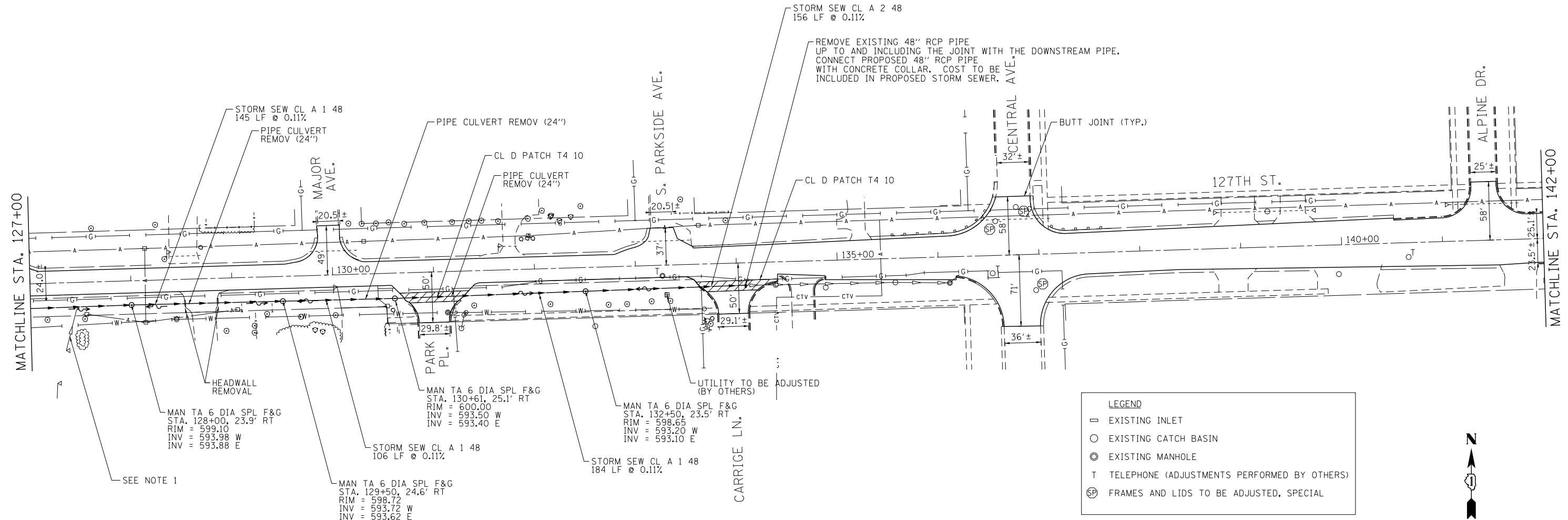
**DRAINAGE PLAN
 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**
 SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 112+00 TO STA. 127+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	15
CONTRACT NO. 60L82				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHFD	
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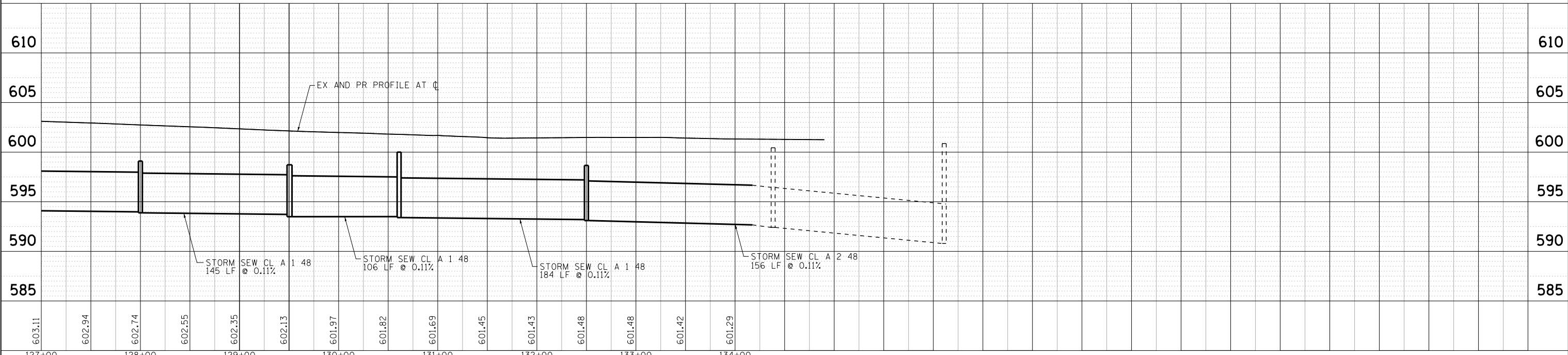
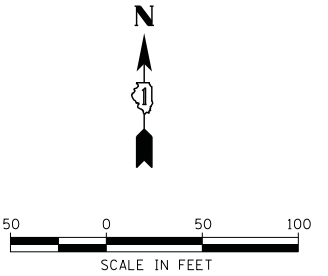
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 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
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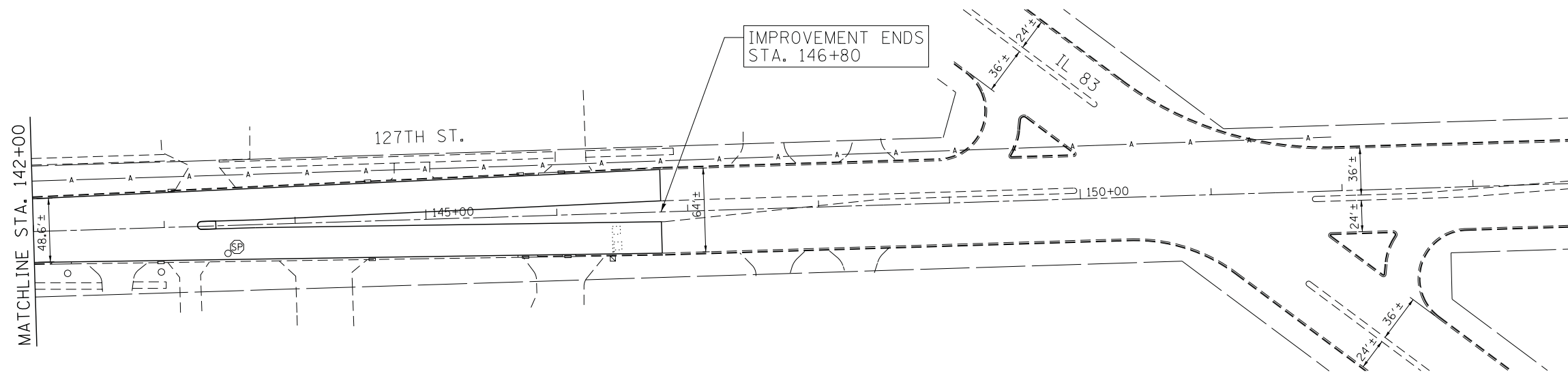
LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- ⊕ SP FRAMES AND LIDS TO BE ADJUSTED, SPECIAL

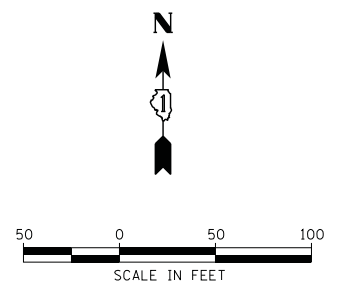
NOTE:
 1. GRADING AT EXISTING PIPE OUTLET SHALL MAINTAIN POSITIVE SLOPE TO ENSURE DRAINAGE INTO THE PROPOSED DITCH.



	USER NAME = spernal PLOT SCALE = 1" = 50' PLOT DATE = 2/8/2013	DESIGNED - CMH DRAWN - SMP CHECKED - TEH DATE - 2/8/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)	F.A. RTE. 1587 SECTION 3034-RS-S COUNTY COOK TOTAL SHEETS 48 SHEET NO. 16	CONTRACT NO. 60L82
	SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 127+00 TO STA. 142+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND	
	EXISTING INLET
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL



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 PROJECT CONTACT: HRGreen.com
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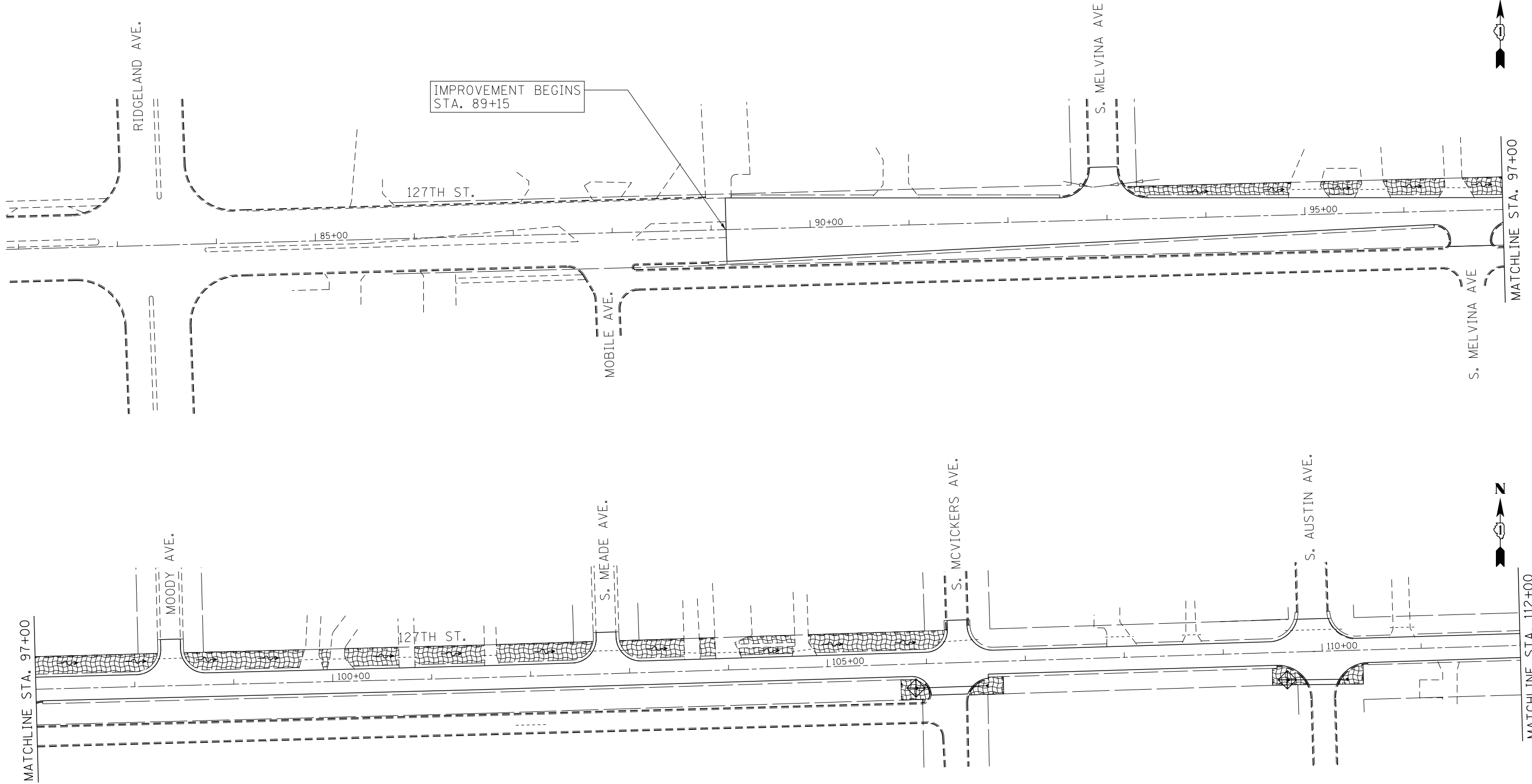


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

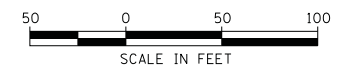
DRAINAGE PLAN	
127TH STREET (RIDGELAND AVE. TO IL RTE. 83)	
SCALE: 1" = 50'	SHEET NO. 4 OF 4 SHEETS
STA. 127+00	TO STA. 142+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	



IMPROVEMENT BEGINS
STA. 89+15

LEGEND	
	INLET FILTERS (EA) (UNLESS OTHERWISE NOTED)
	TEMPORARY EROSION CONTROL SEEDING (AC)
	PERIMETER EROSION BARRIER (FT)



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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PLOT DATE = 2/8/2013	DATE - 2/8/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**

SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. BEGIN TO STA. 112+00

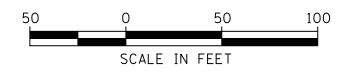
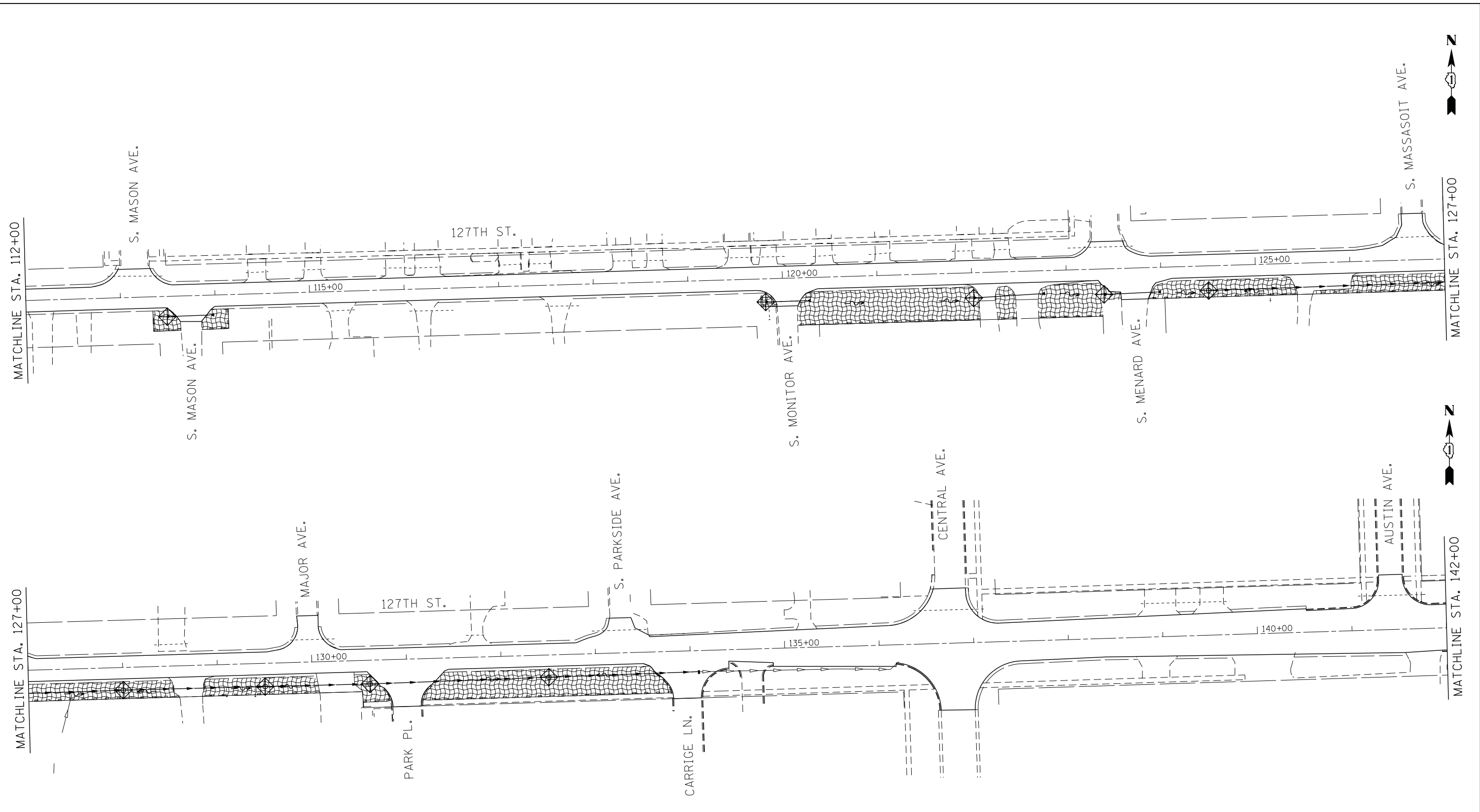
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1587	3034-RS-S	COOK	48	18
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

COMPANY NAME:
 PROJECT CONTACT:
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2/7/2013 4:25:19 PM
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 standard-trans.tbl



LEGEND	
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	TEMPORARY EROSION CONTROL SEEDING (AC)
	PERIMETER EROSION BARRIER (FT)

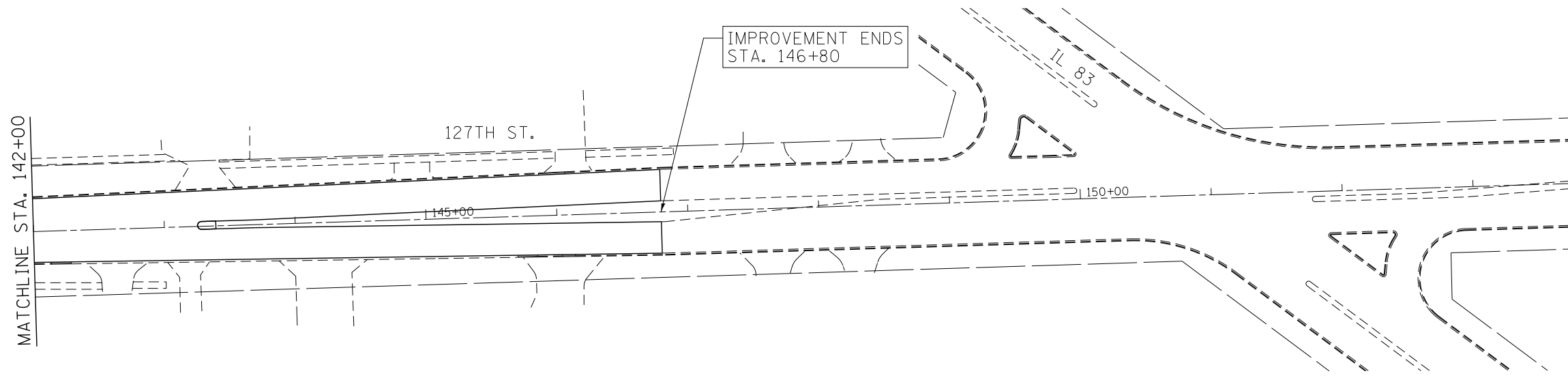


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**

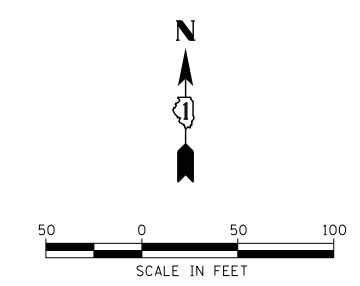
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	



LEGEND

	INLET FILTERS (EA) (UNLESS OTHERWISE NOTED)
	TEMPORARY EROSION CONTROL SEEDING (AC)
	PERIMETER EROSION BARRIER (FT)



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 PROJECT CONTACT: HRGreen.com
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

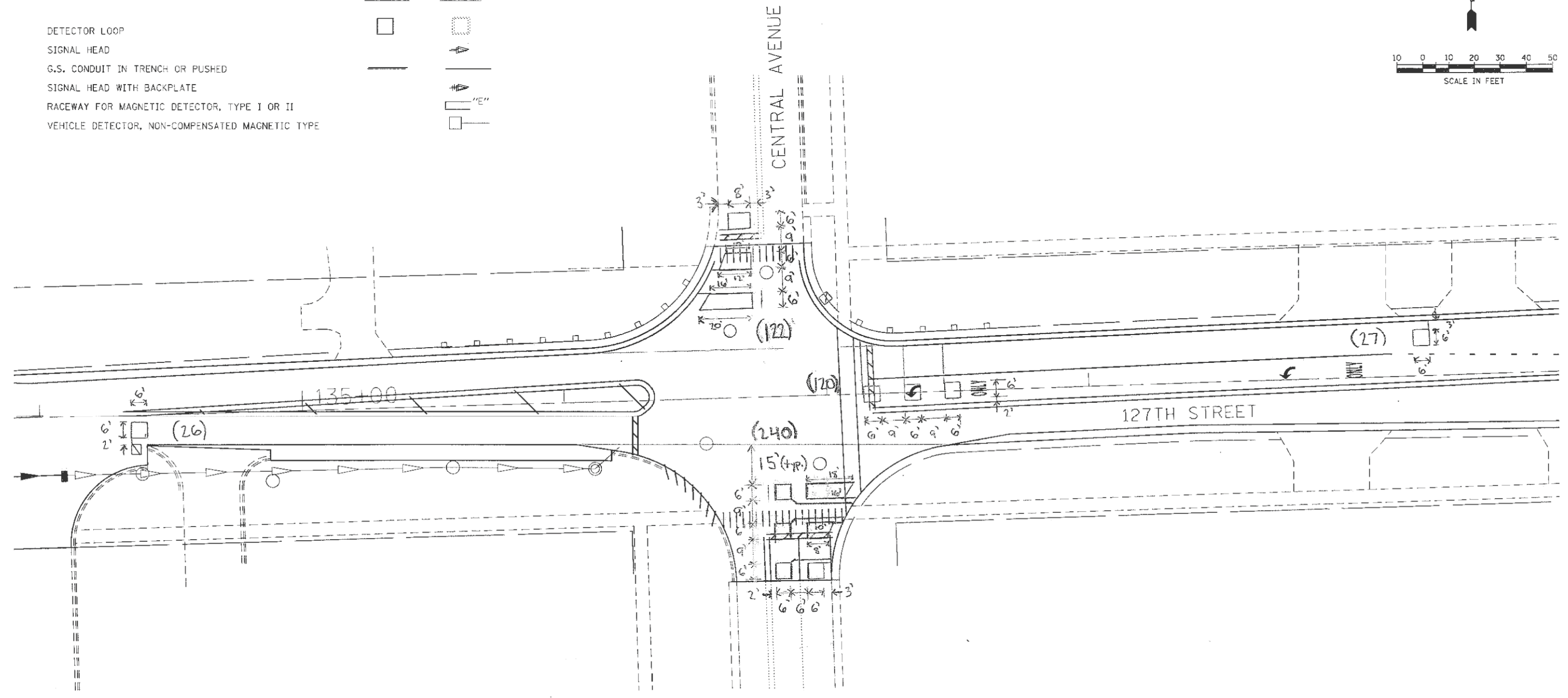
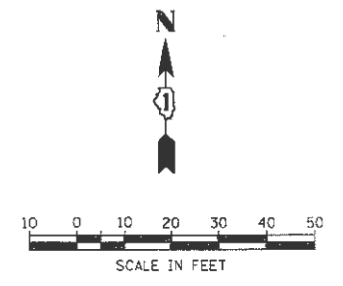
**EROSION CONTROL PLAN
 127TH STREET (RIDGELAND AVE. TO IL RTE. 83)**

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 142+00 TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

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

CODE	QUANTITY	UNIT	ITEM
86600600	535	FOOT	DETECTOR LOOP REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: spurnal
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

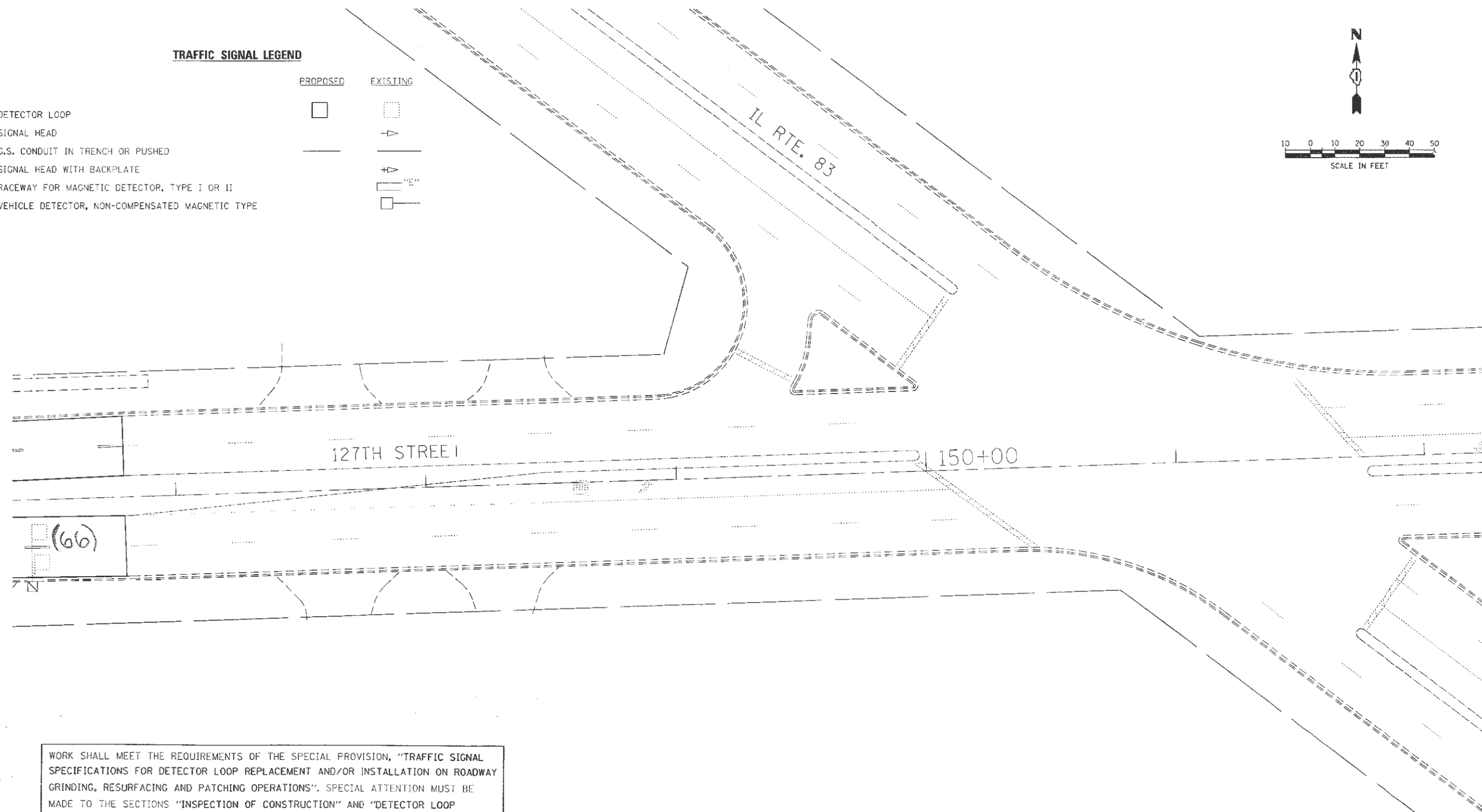
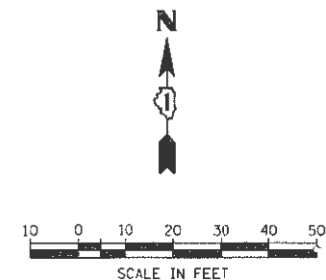
**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
 127th STREET AT CENTRAL AVE.**

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L82	

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

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

CODE	QUANTITY	UNIT	ITEM
86600600	66	FOOT	DETECTOR LOOP REPLACEMENT

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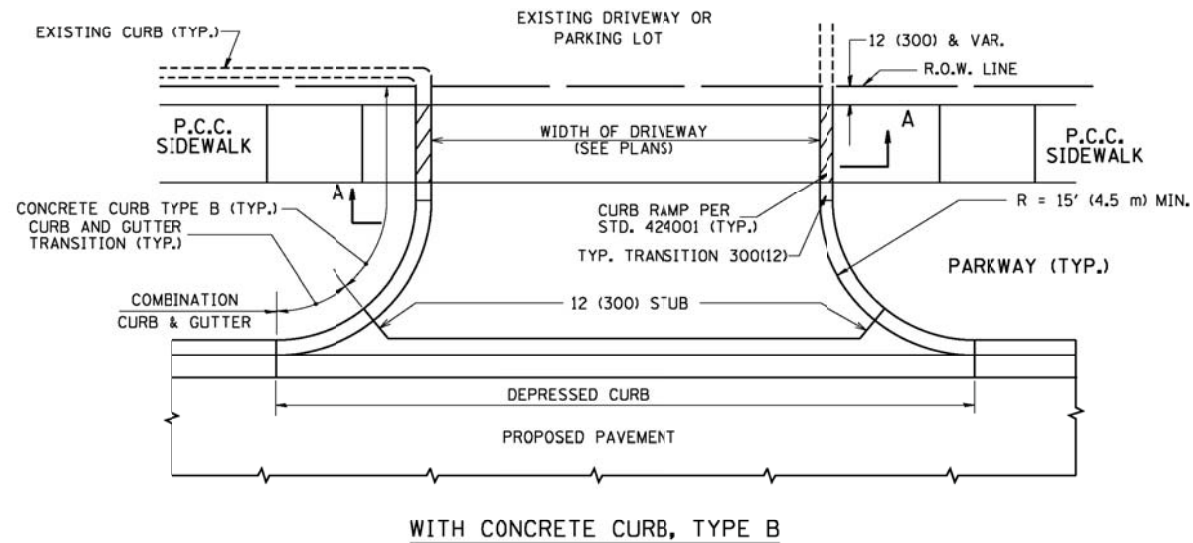
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

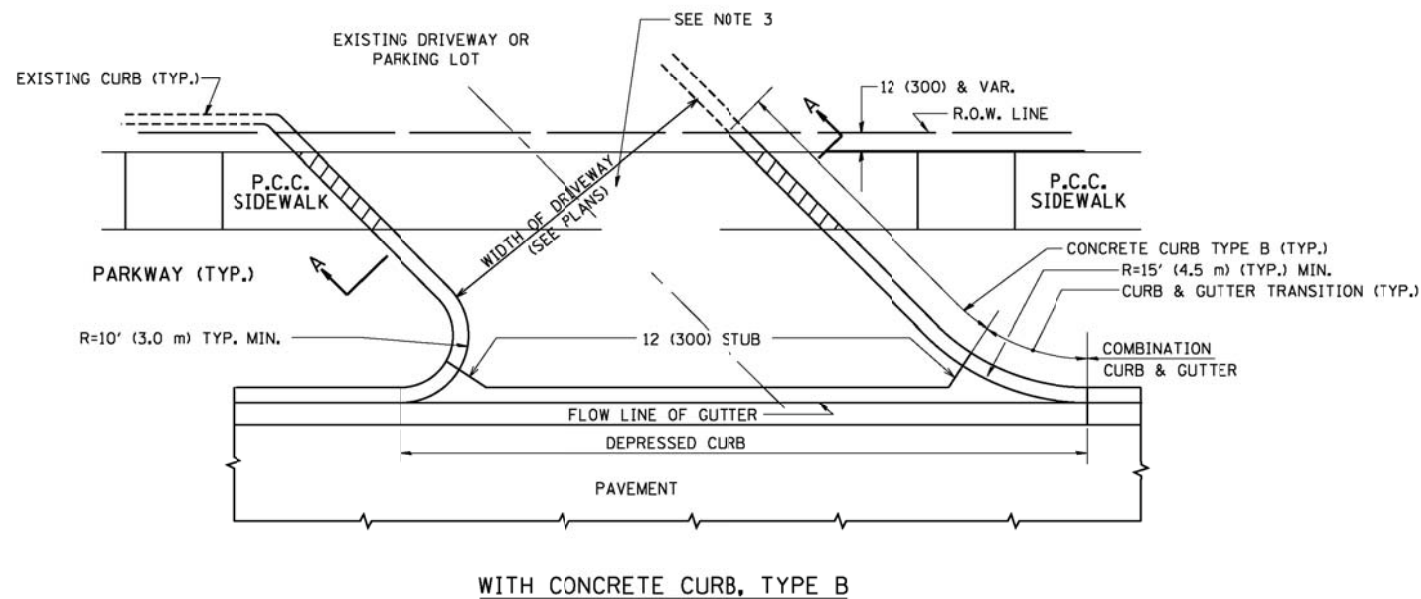
**DISTRICT 1 - DETECTOR LOOP REPLACEMENT
 127th STREET AT IL RTE. 83**

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

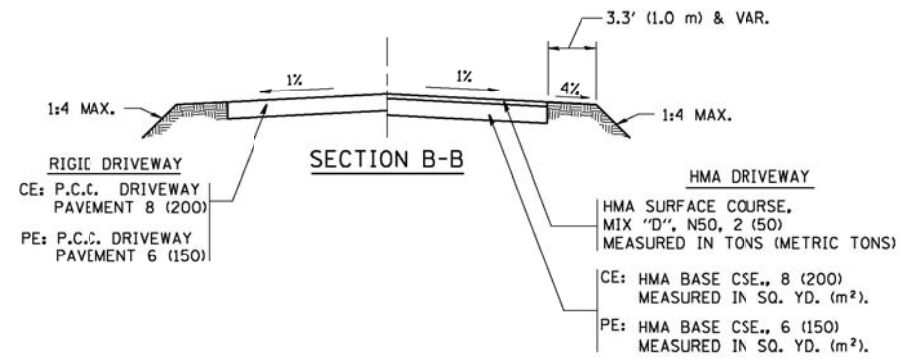
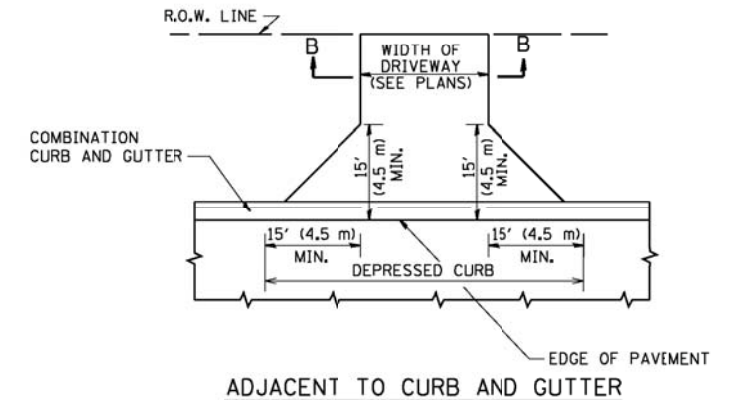
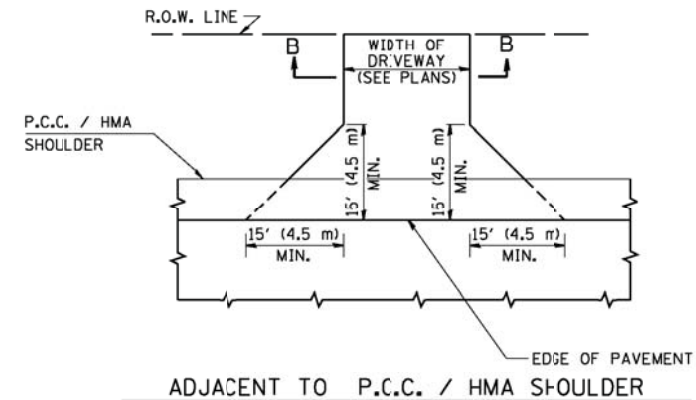
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	22
CONTRACT NO.			60L82	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

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

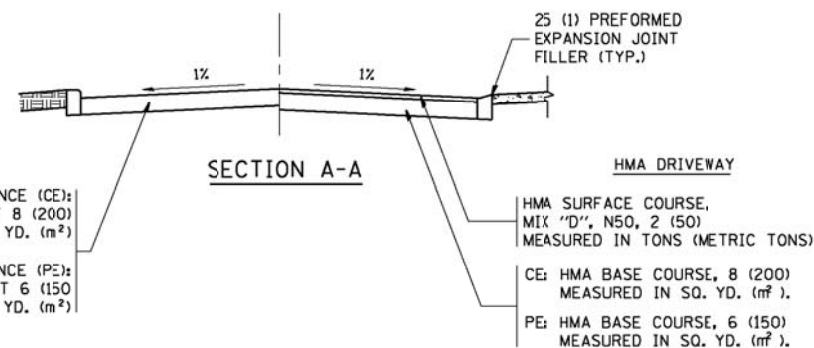
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



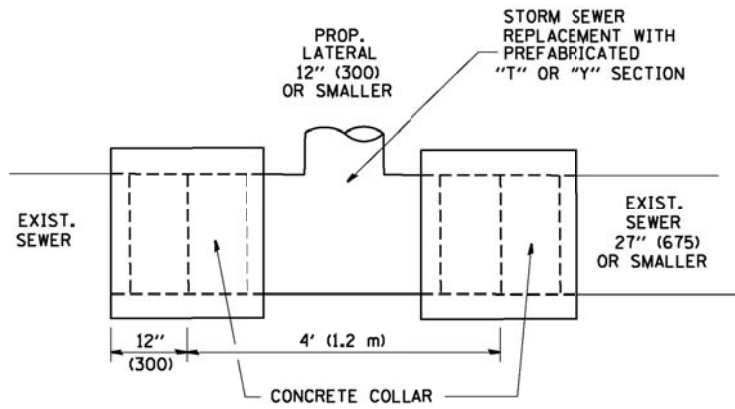
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PLOT DRIVER:
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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

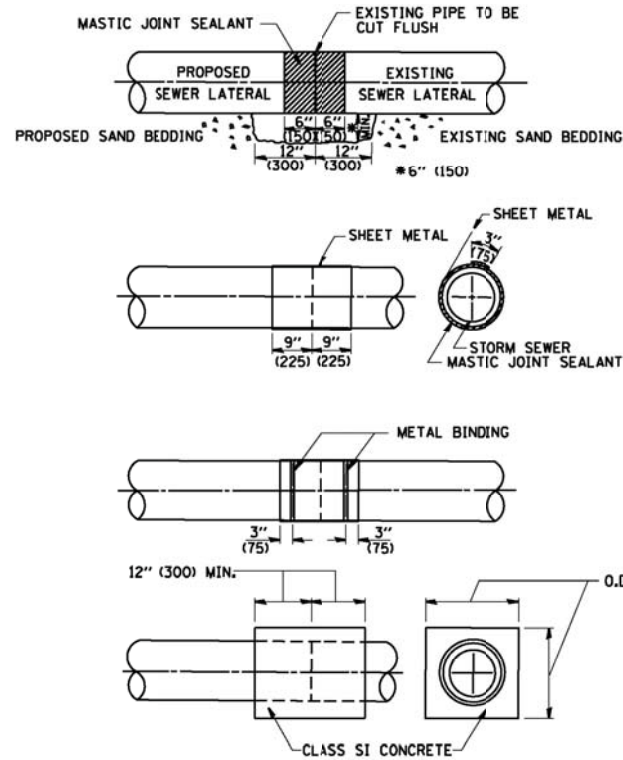
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 12 SHEETS STA. TO STA.

F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 23
BD0156-07 (BD-01)		CONTRACT NO. 60L82		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

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

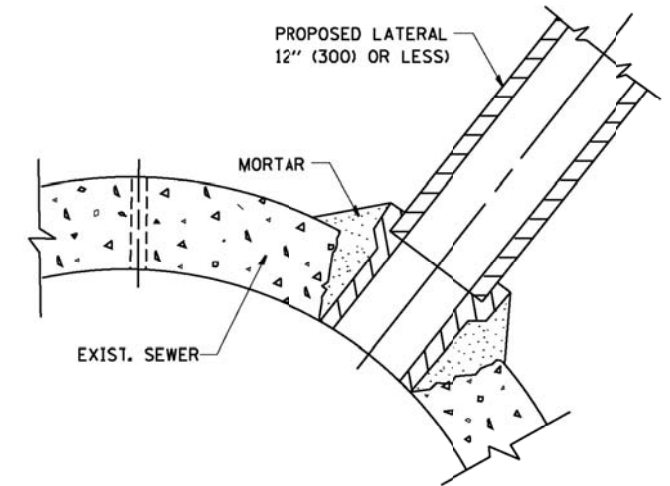


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 L1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

COMPANY NAME:
PROJECT CONTACT:
DATE PLOTTED:
FILE NAME:
PLOT DRIVER:
PEN TABLE:

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USER NAME = geglennobt
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PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
DRAWN -	REVISED - R. SHAH 09-09-94
CHECKED -	REVISED - R. SHAH 10-25-94
DATE - 07-25-90	REVISED - R. SHAH 06-12-56

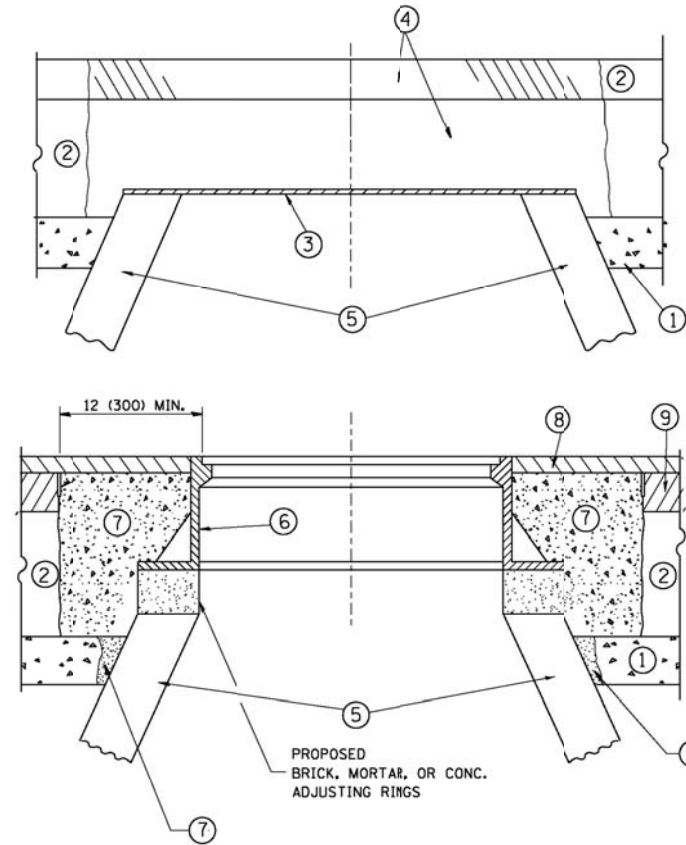
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	24
BD500-01 (BD-7)			CONTRACT NO. 60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

COMPANY NAME:
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DATE PLOTTED:
FILE NAME:
PLOT DRIVER:
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10/31/2012 9:05:37 AM
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CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.24 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

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

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

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

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM

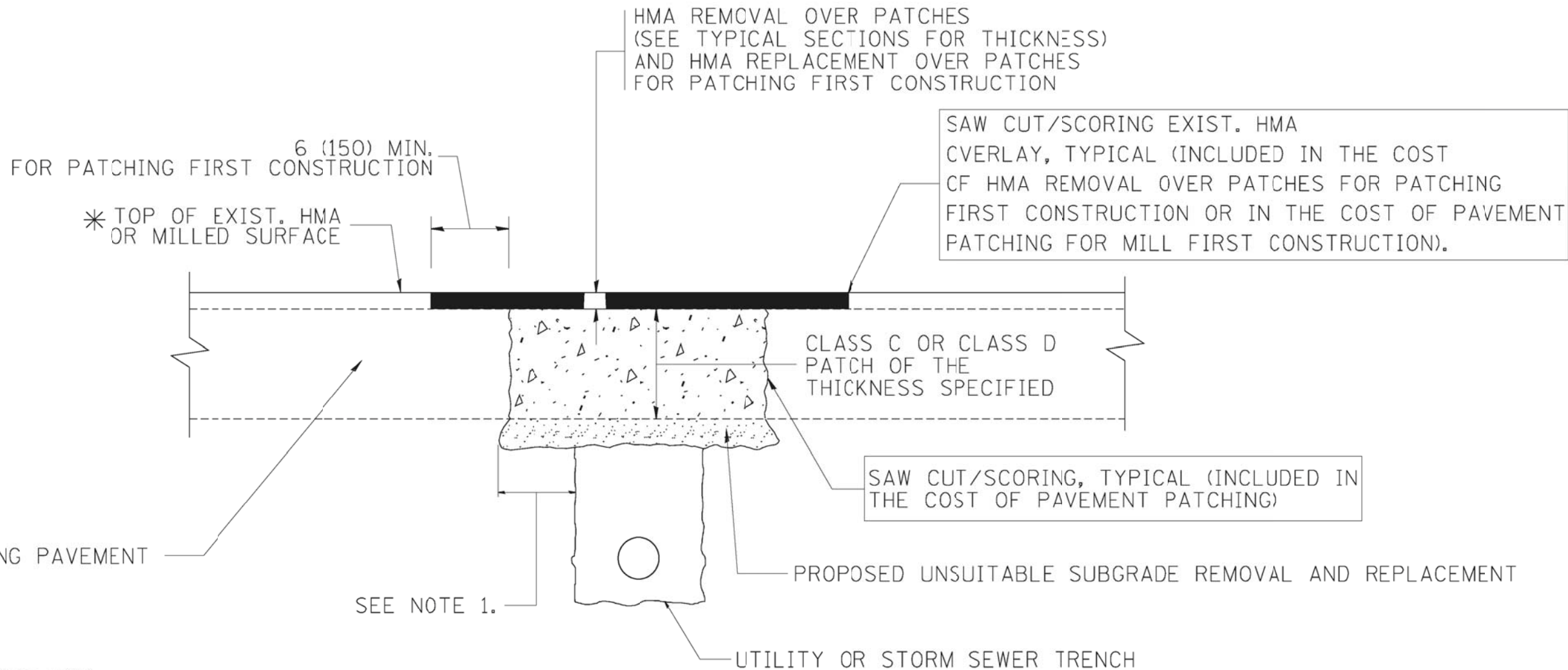
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	
F.A. RTE. 1587	SECTION 3034-RS-S	COUNTY COOK	TOTAL SHEETS 48
BD600-03 (BD-8)		CONTRACT NO.	60L82
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT			



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

COMPANY NAME:
PROJECT CONTACT:
DATE PLOTTED:
FILE NAME:
PLOT DRIVER:
PEN TABLE:

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		CHECKED -	REVISED - R. BORO 09-04-07
		DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	26
BD400-04 (BD-22)		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

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

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

18" (450) MAX.

1/4" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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.

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.

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 USABLE 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

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

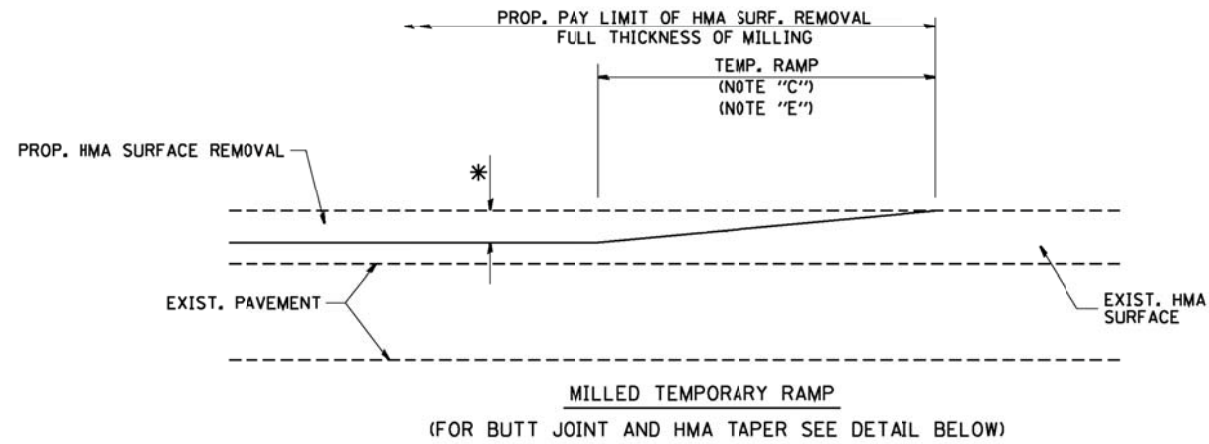
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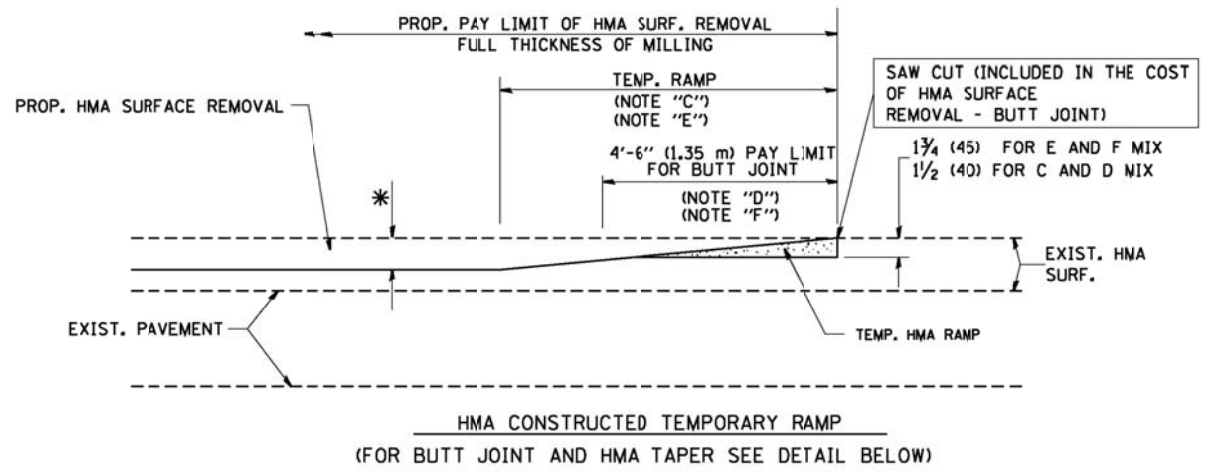
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

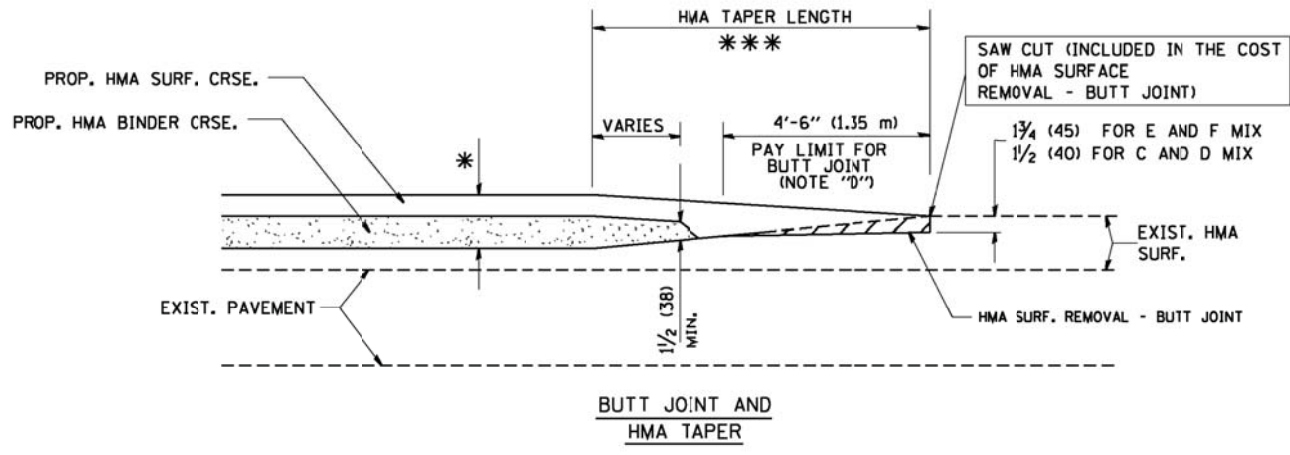
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BD600-06 (BD-24)			CONTRACT NO.	60L82
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



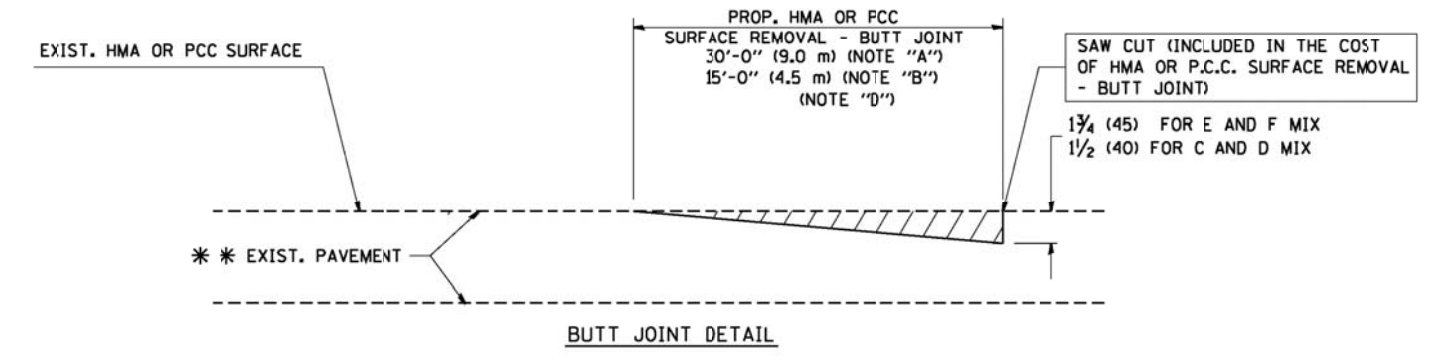
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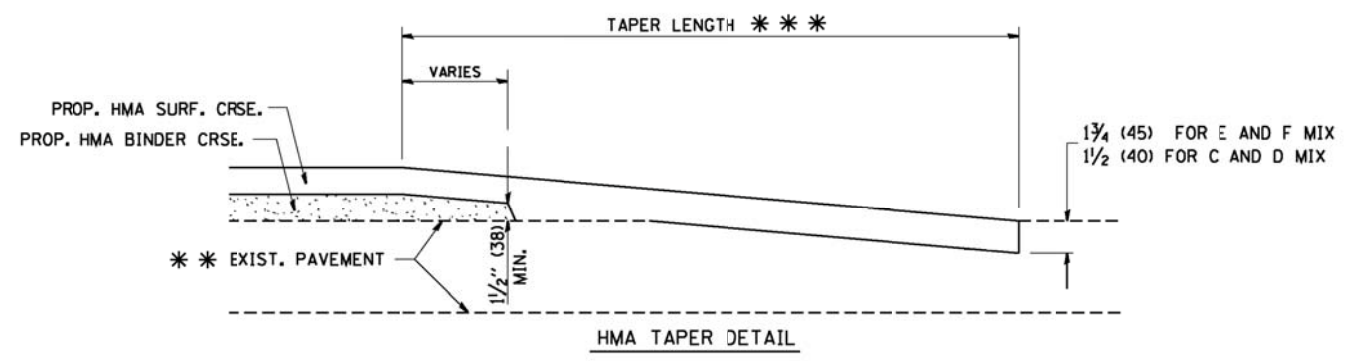
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

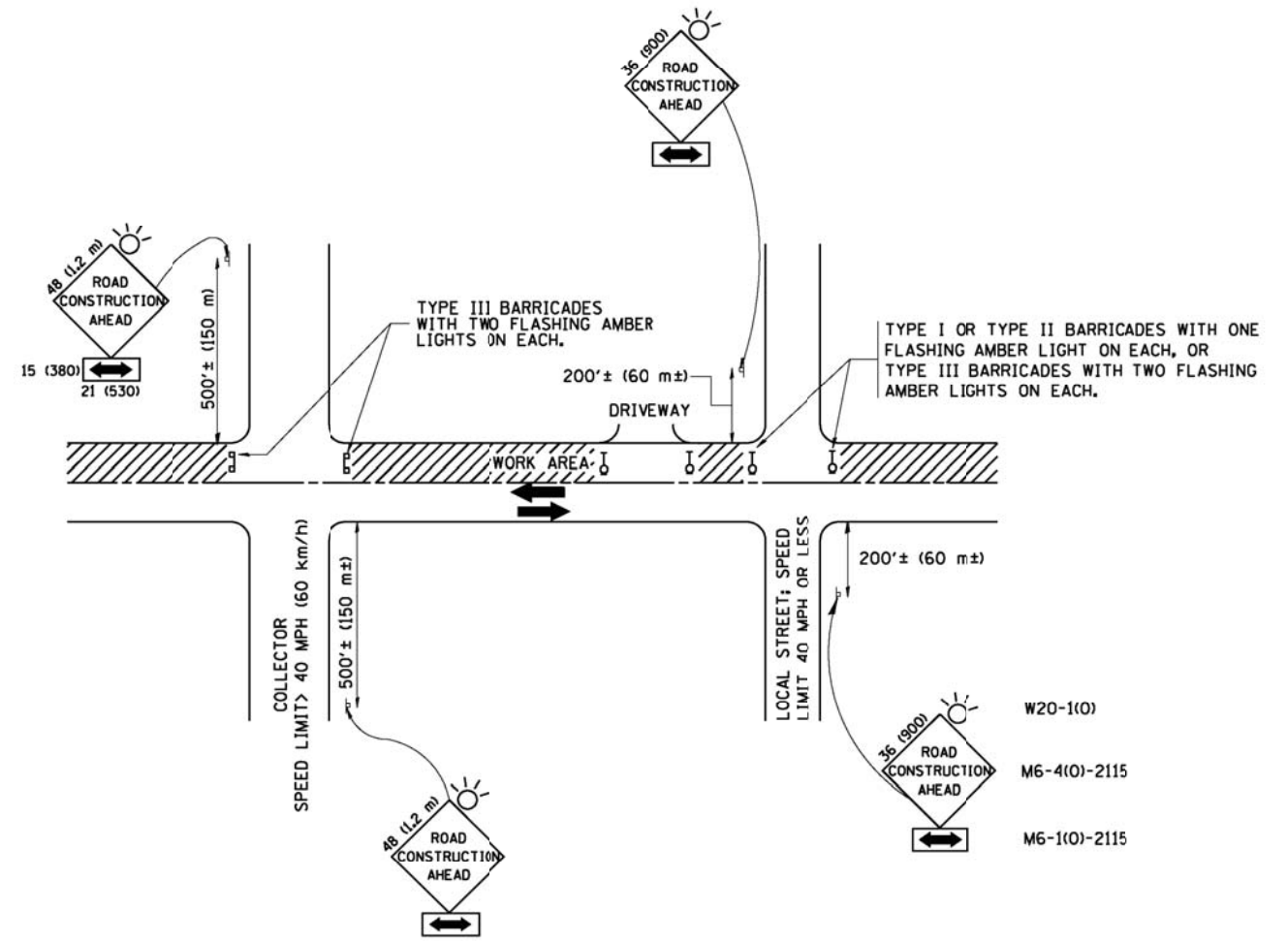
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	28
BD400-05 BD32		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 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.

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

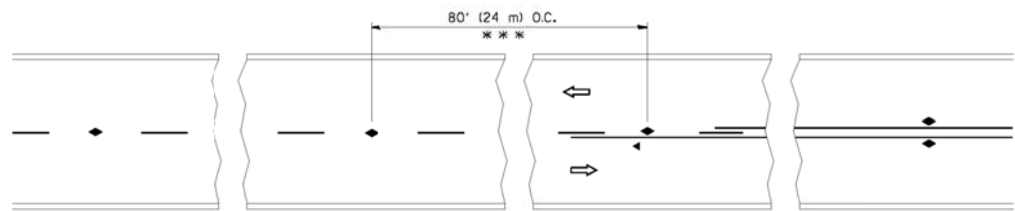
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

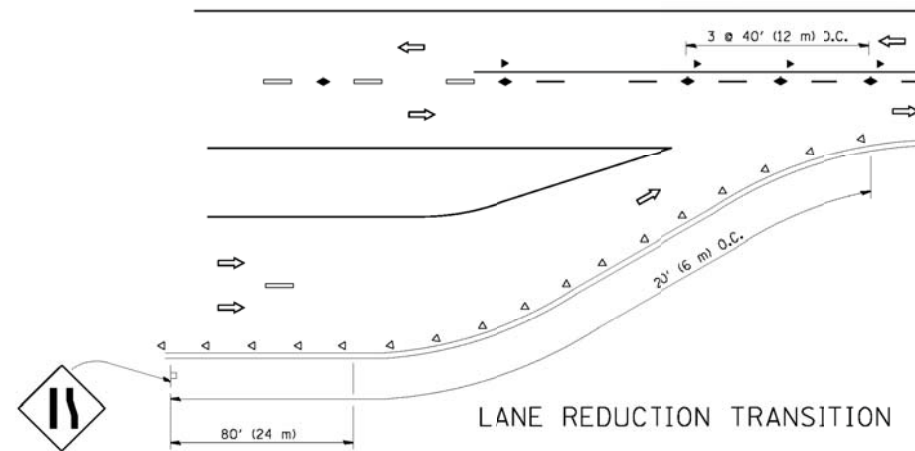
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

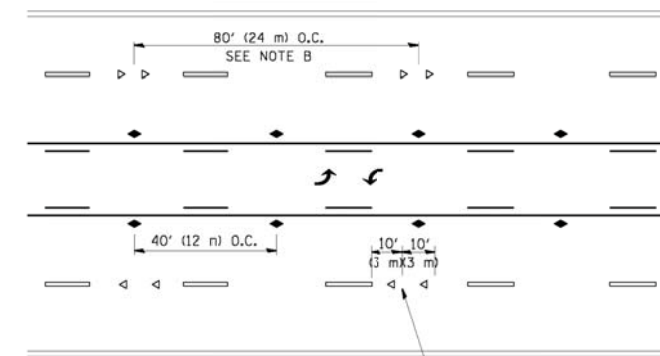


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

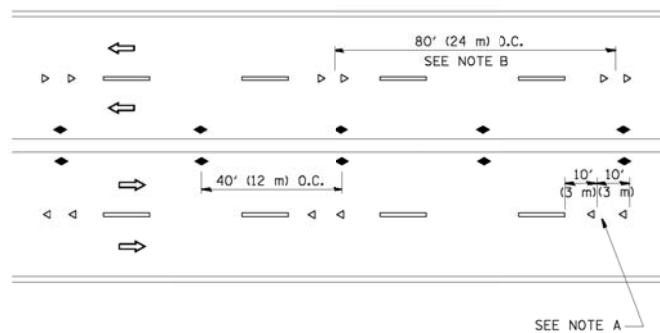
TWO-LANE/TWO-WAY



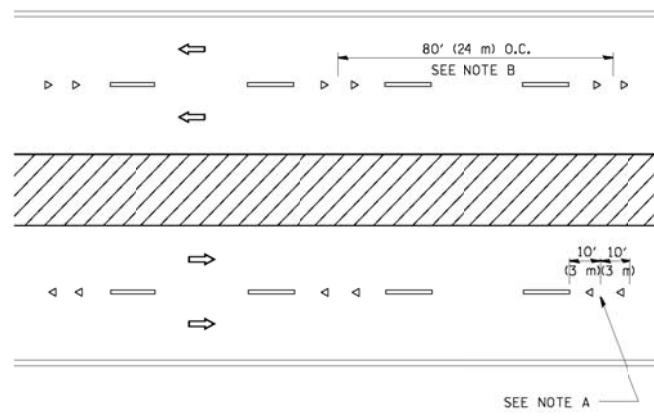
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

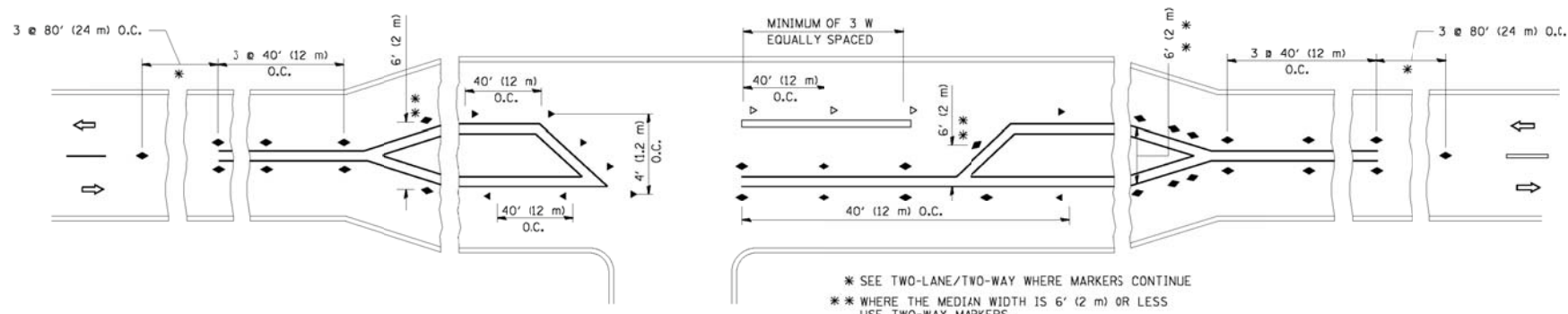
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

COMPANY NAME: PROJECT CONTACT: 10/20/2012 5:58:49 PM
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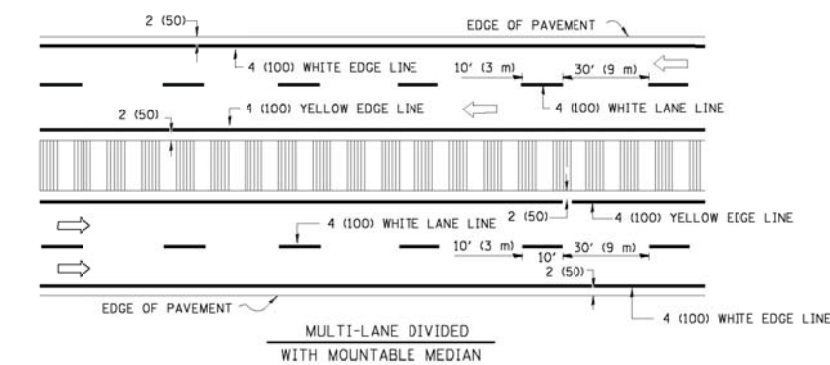
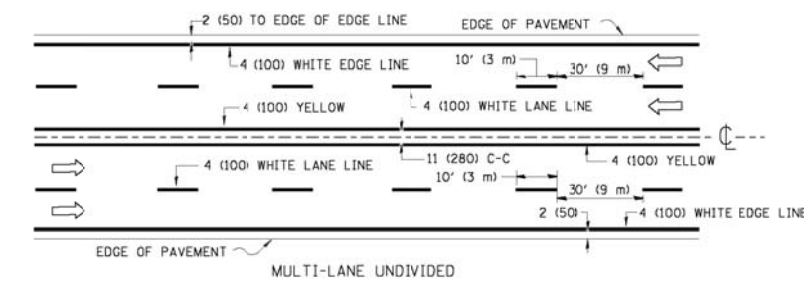
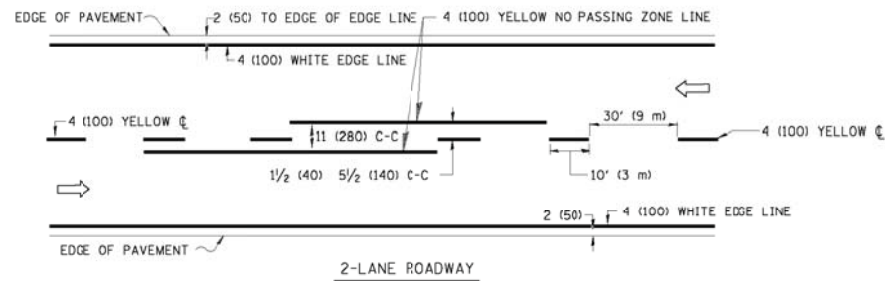
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	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

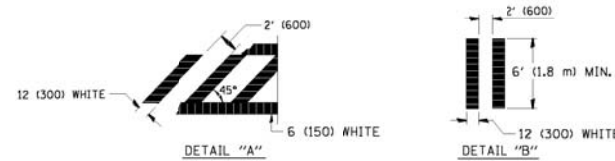
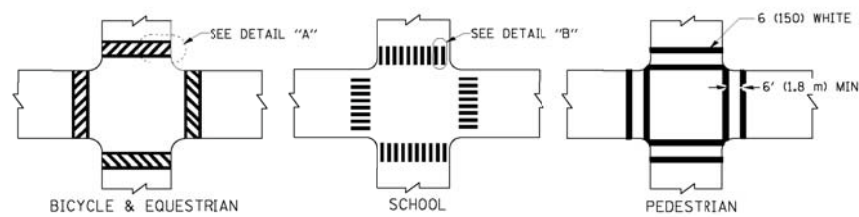
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COOK	127th STREET	C-91-038-11	48	30
TC-11		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

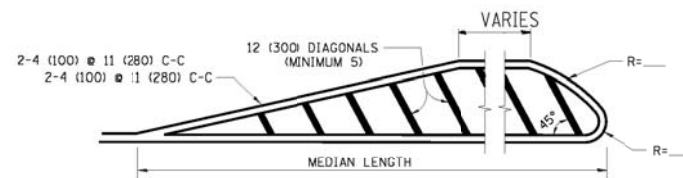
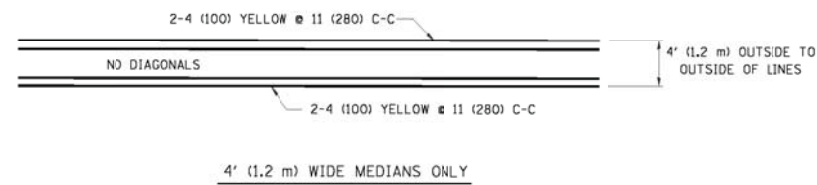


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

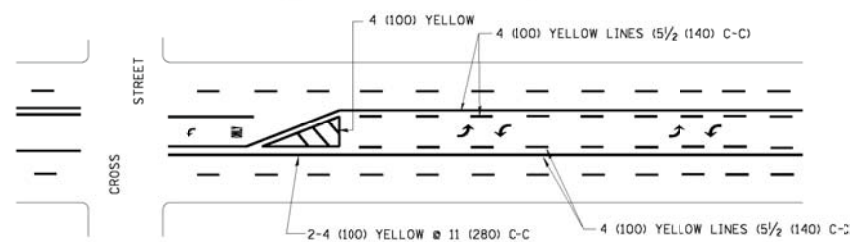


TYPICAL CROSSWALK MARKING

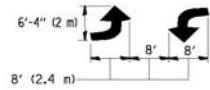


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

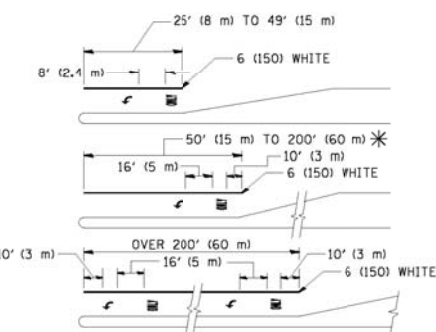


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

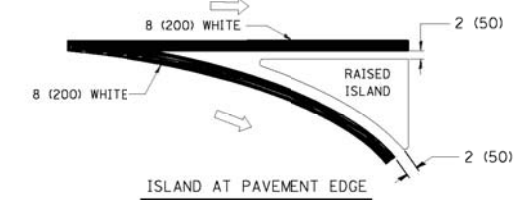
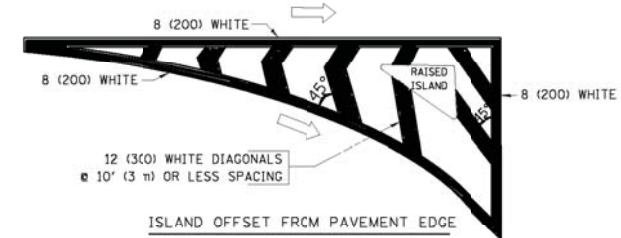


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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	5/2 (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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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; 5/2 (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.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 78000.

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

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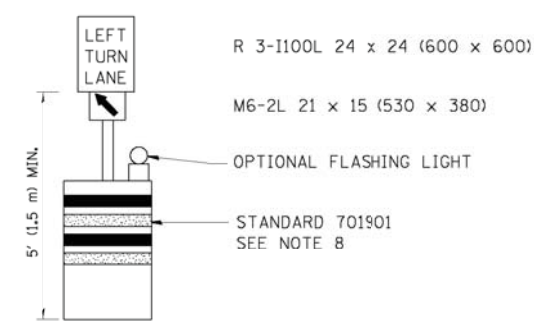
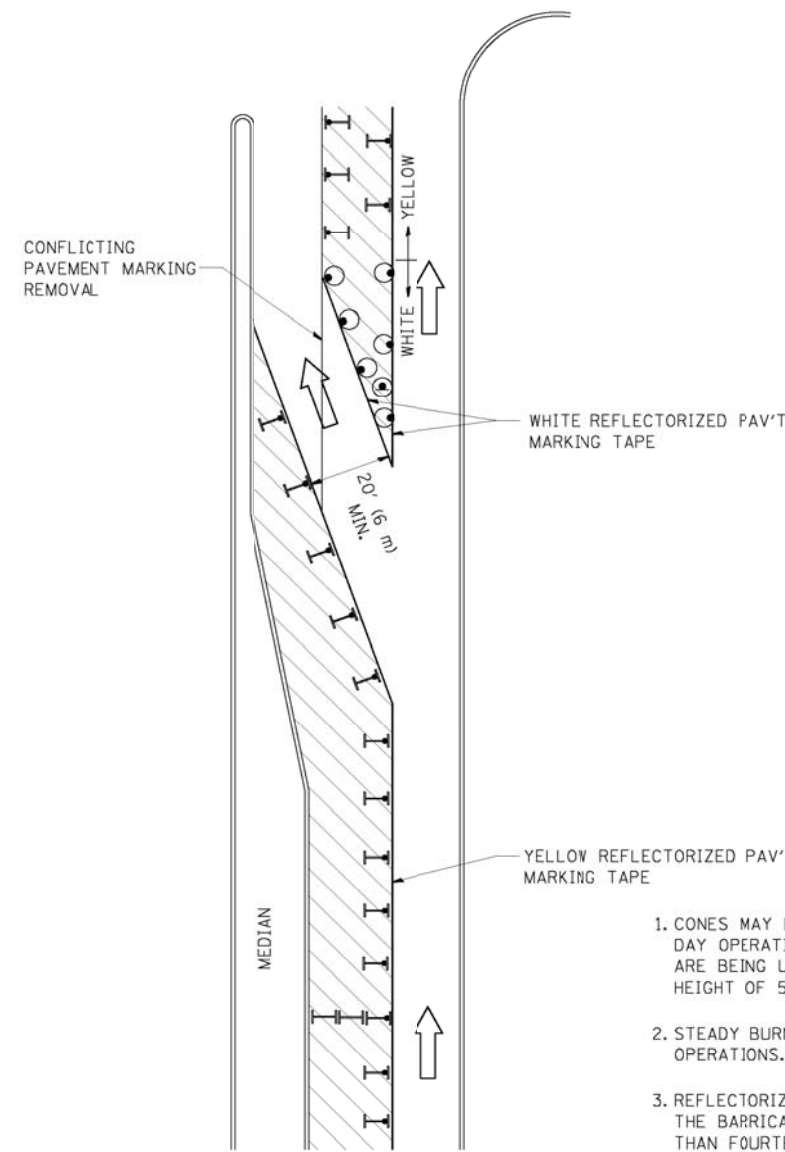
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	31
TC-13		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

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





GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

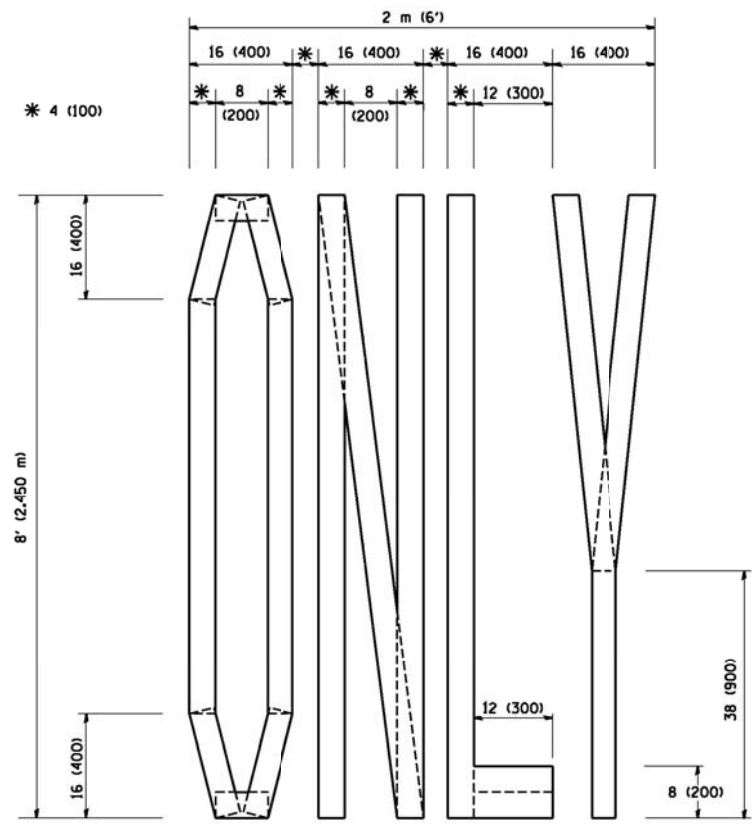
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

USER NAME = drivakosgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	REVISED - A. HOUSEH 11-07-95	REVISED -
PLOT SCALE = 49.9999' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

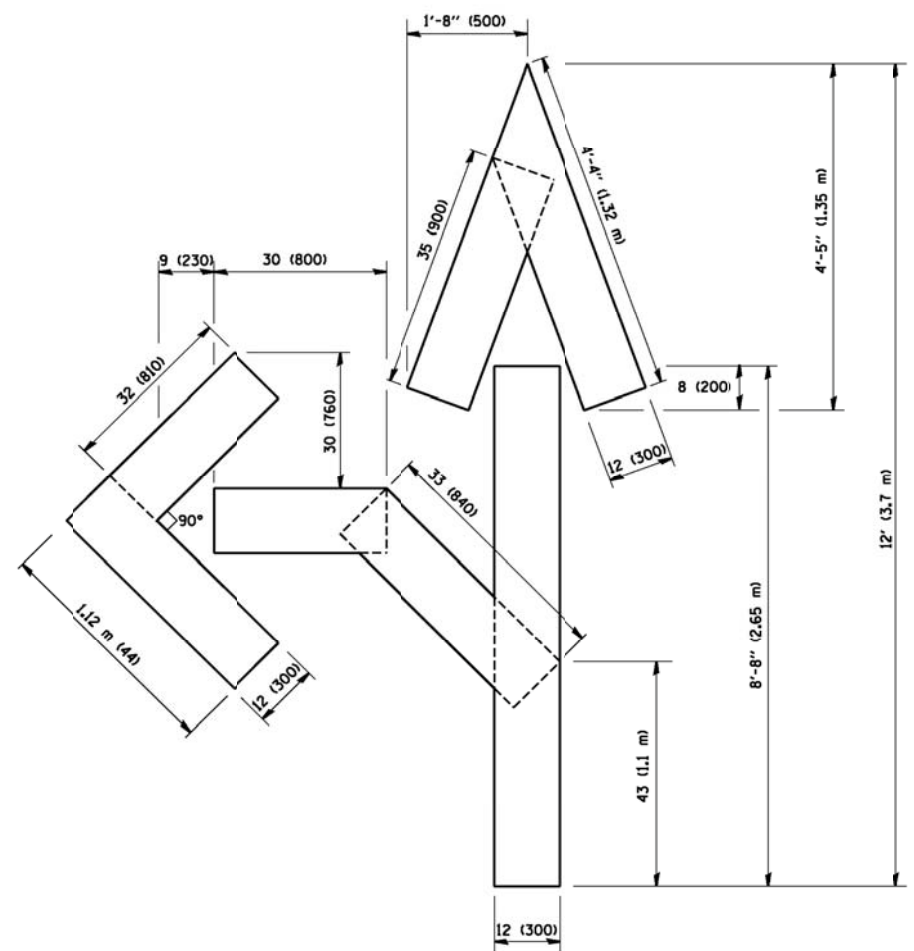
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
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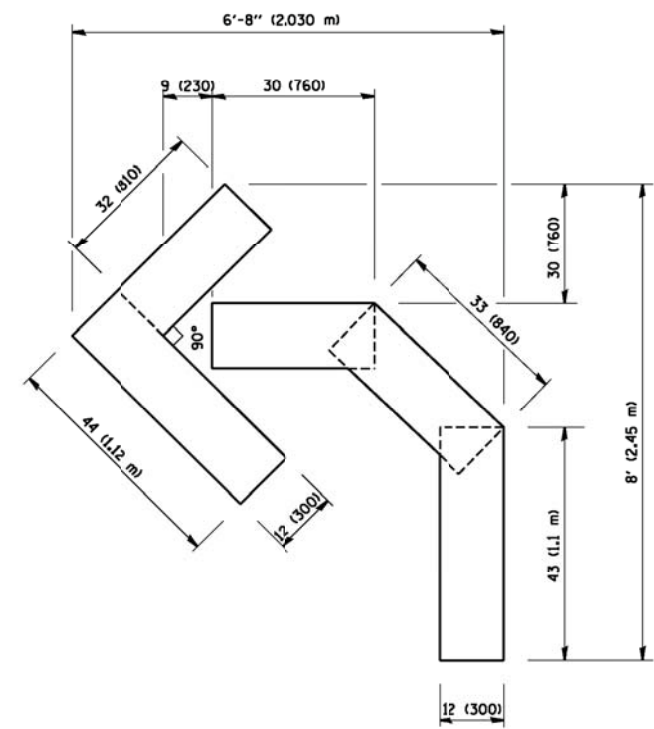
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	32
TC-14			CONTRACT NO.	60L82
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

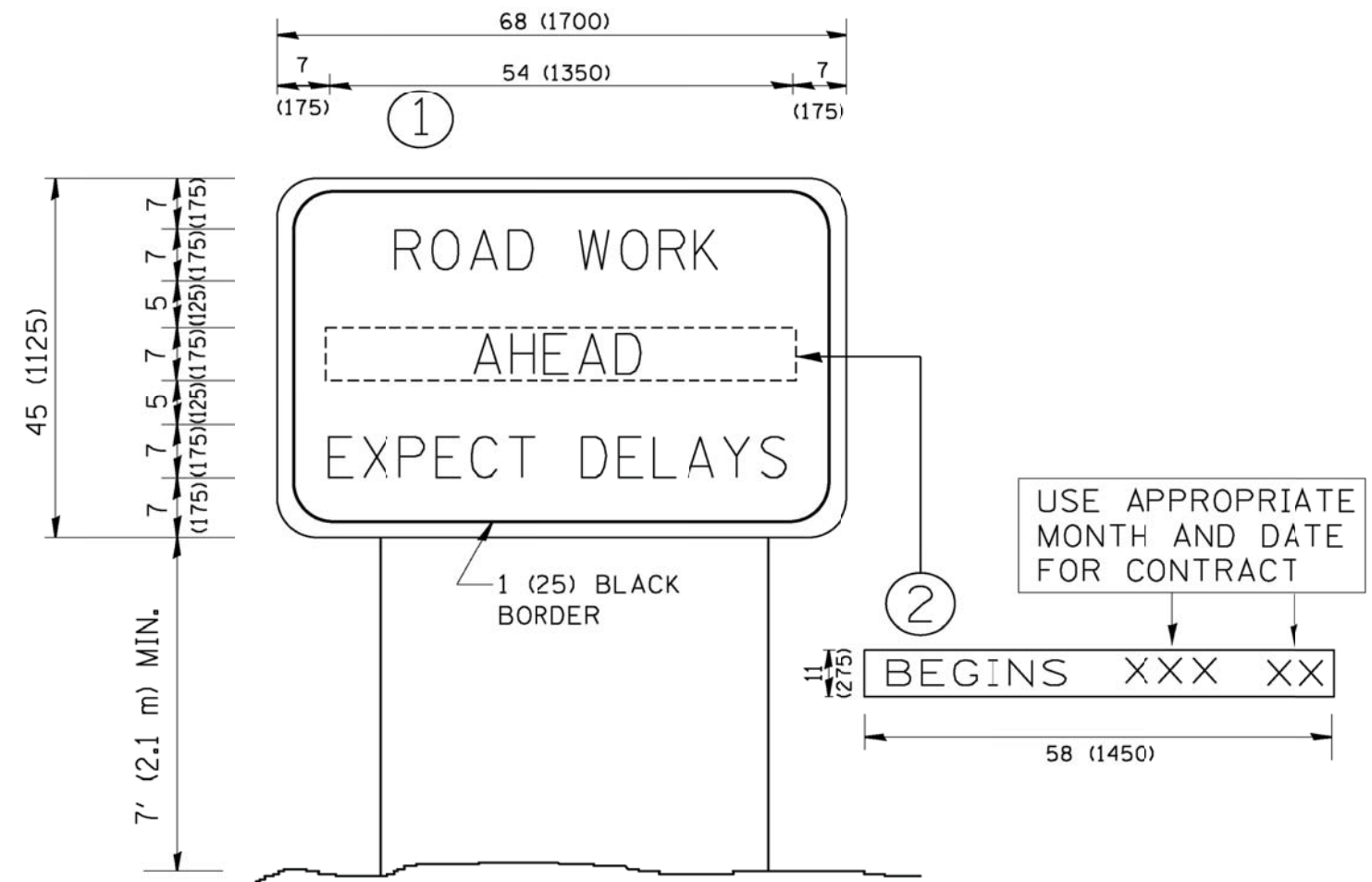
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	33
TC-16			CONTRACT NO. 60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

COMPANY NAME:
 PROJECT CONTACT:
 10/20/2015 4:20 PM
 DATE PLOTTED:
 FILE NAME:
 PLOT DRIVER:
 PEN TABLE:

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

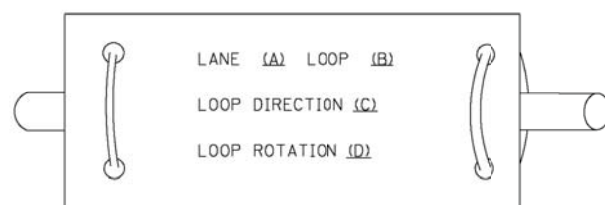
ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	34
TC-22		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

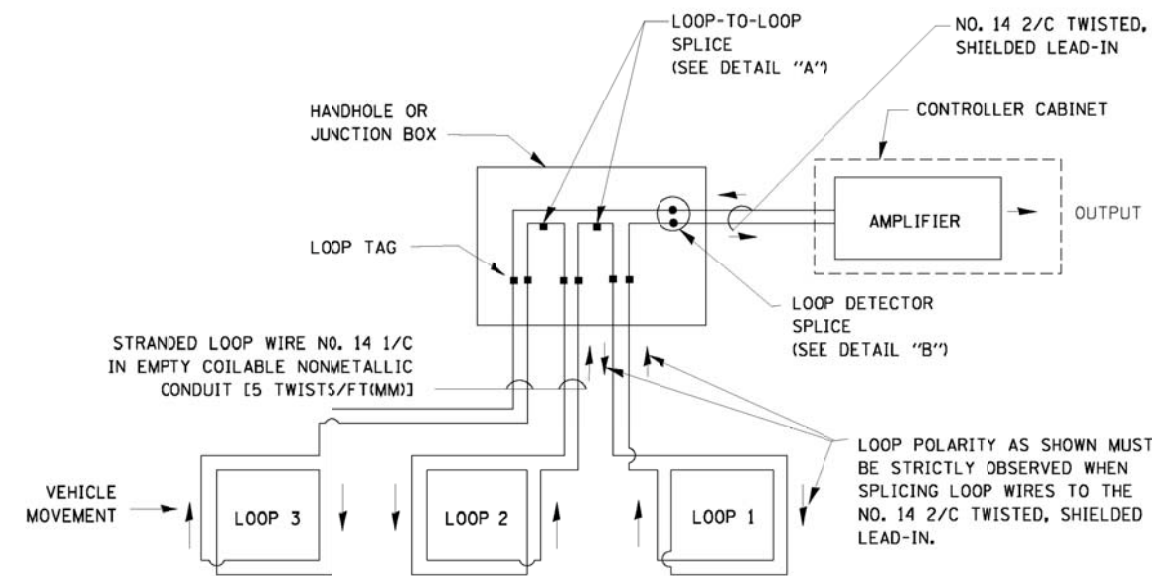
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

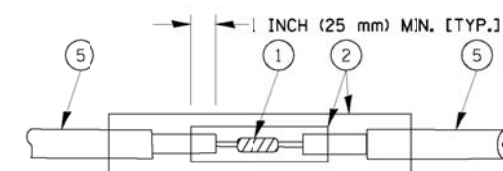


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

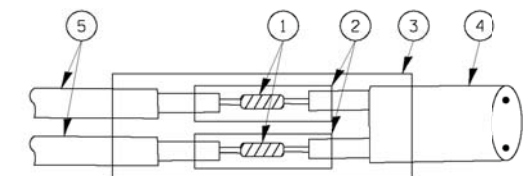


DETECTOR LOOP WIRING SCHEMATIC

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

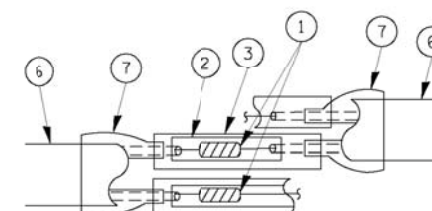


DETAIL "A"
LOOP-TO-LOOP SPLICE

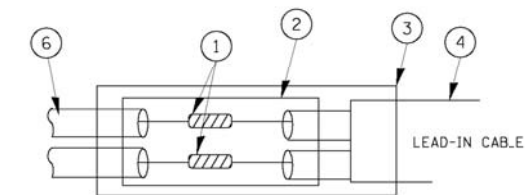


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

COMPANY NAME:
 PROJECT CONTACT:
 DATE PLOTTED:
 FILE NAME:
 PLOT DRIVER:
 PEN TABLE:

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		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

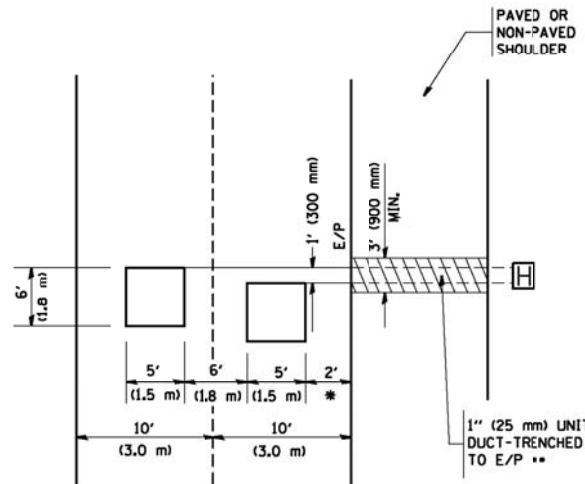
DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	35
TS-05		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



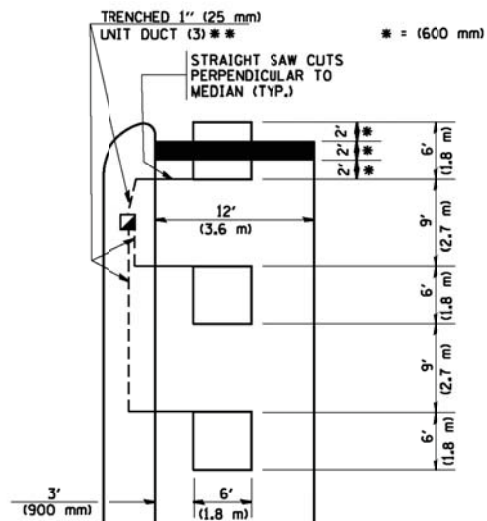
* = (600 mm)

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 314001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



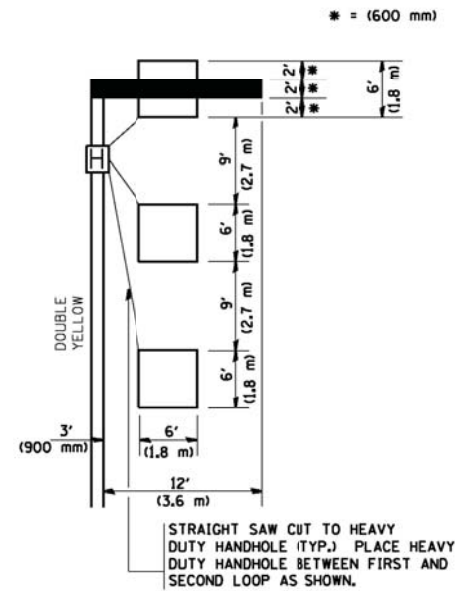
* = (600 mm)

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

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

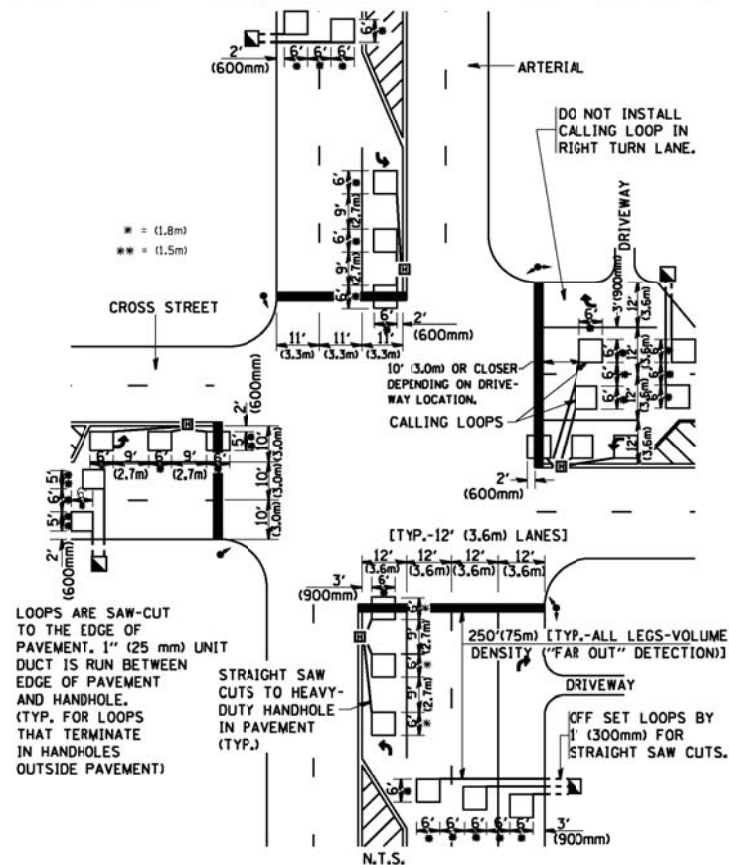
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

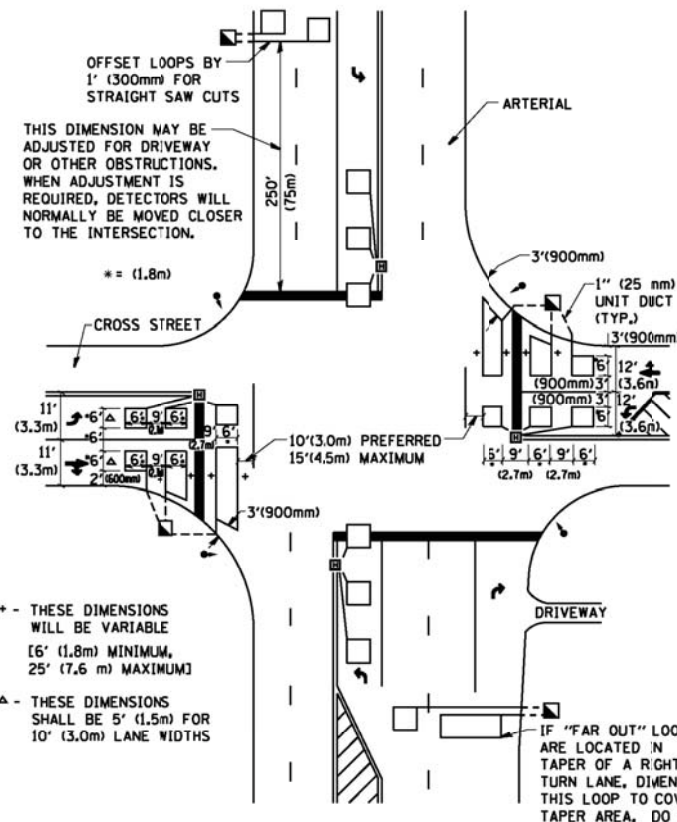
- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST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

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



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

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



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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

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PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

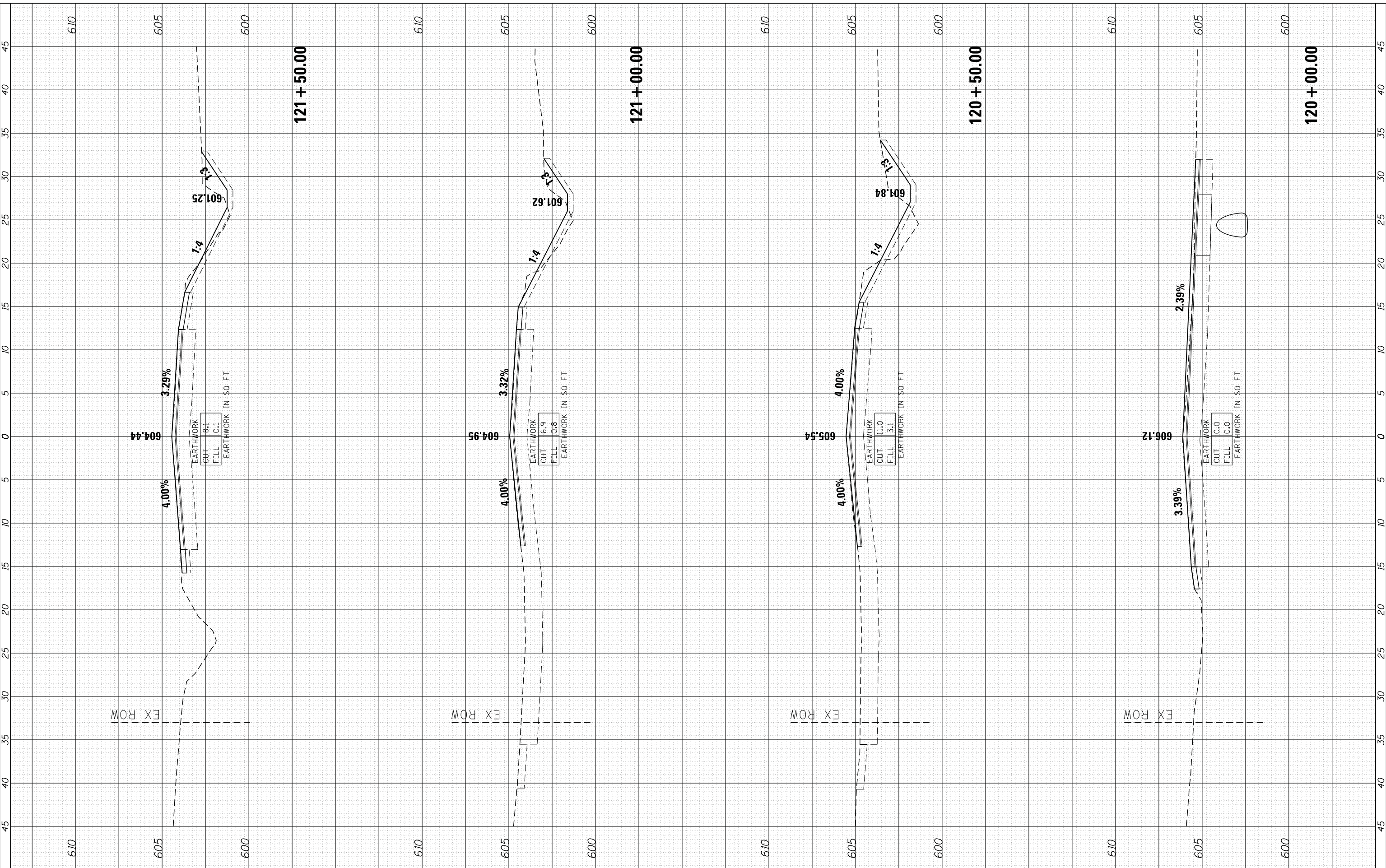
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	36
TS-07		CONTRACT NO.	60L82	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 2/7/2013 14:52:13 PM
 FILE NAME: 60L082-01-xc.dgn
 PLOT DRIVER: pdfplot
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	DRAWN - SMP	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

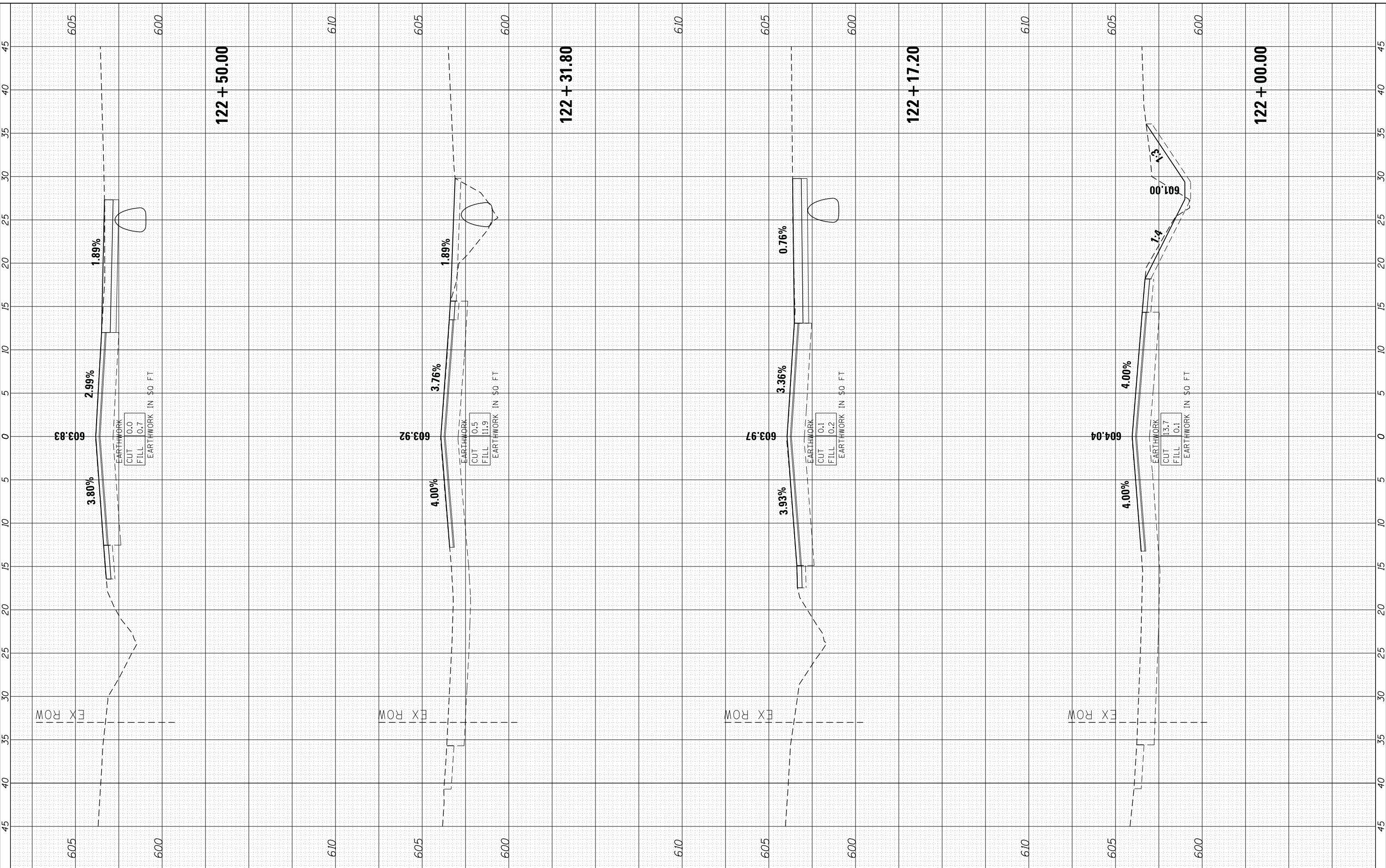
SCALE: 1" = 5' SHEET NO. 1 OF 12 SHEETS STA. 120+00.00 TO STA. 121+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	37
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	60L82	

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 2/7/2013 14:58:17 PM
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 PEN TABLE: standard-trns.tbl



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DRAWN	- SMP
CHECKED	- TEH
DATE	- 2/7/13

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DESIGNED	- CMH
DRAWN	- SMP
CHECKED	- TEH
DATE	- 2/7/13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
127TH STREET

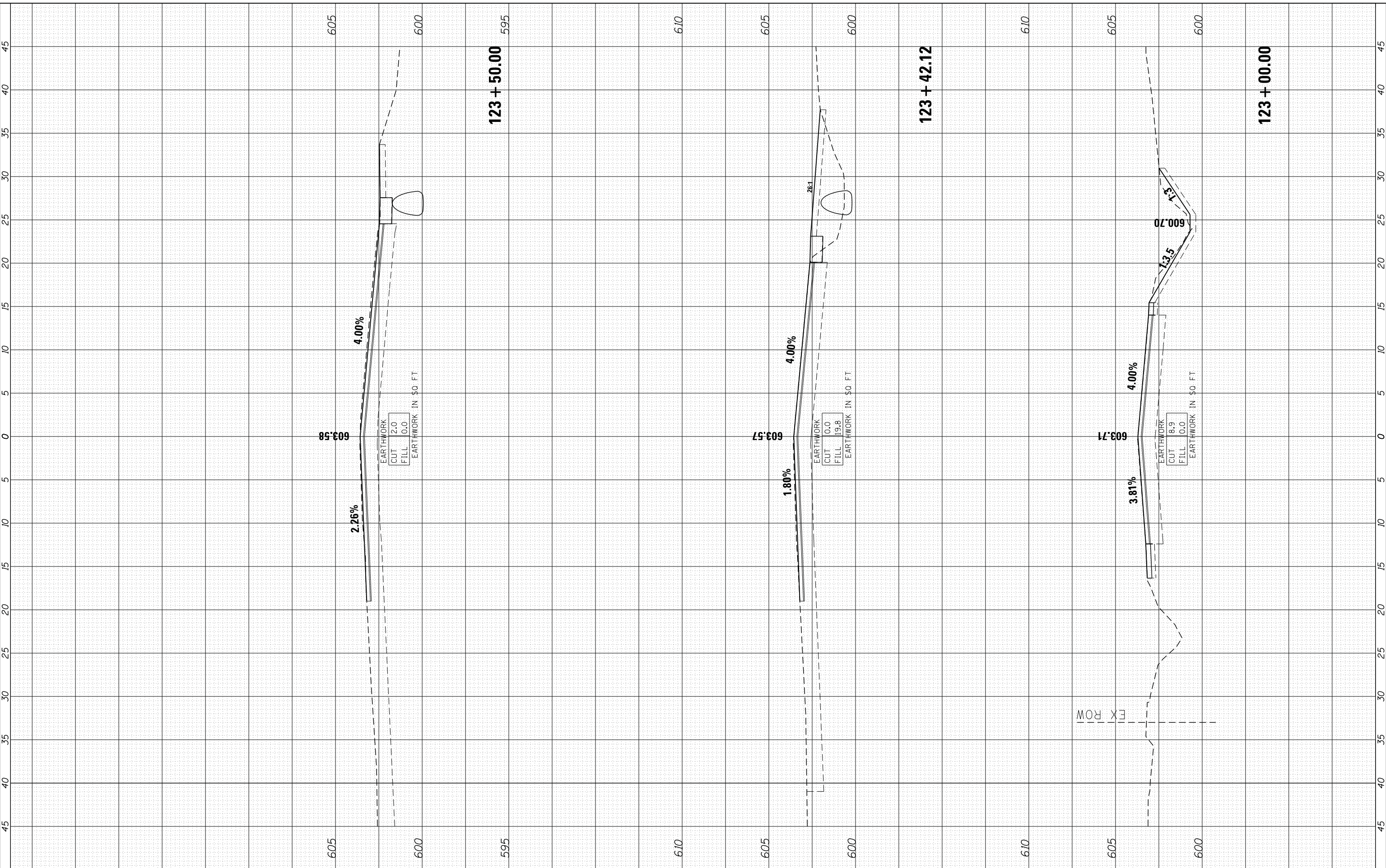
SCALE: 1" = 5' SHEET NO. 2 OF 12 SHEETS STA. 122+00.00 TO STA. 122+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	38
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT 60L82	

FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: 2/7/2013 14:52:21 PM
 CLIENT: 8610018.01-xrcogn
 DATE PLOTTED: 2/7/2013
 PLOT DRIVER: pcfplot
 PEN TABLE: standard-trans.tbl



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

**CROSS SECTIONS
127TH STREET**

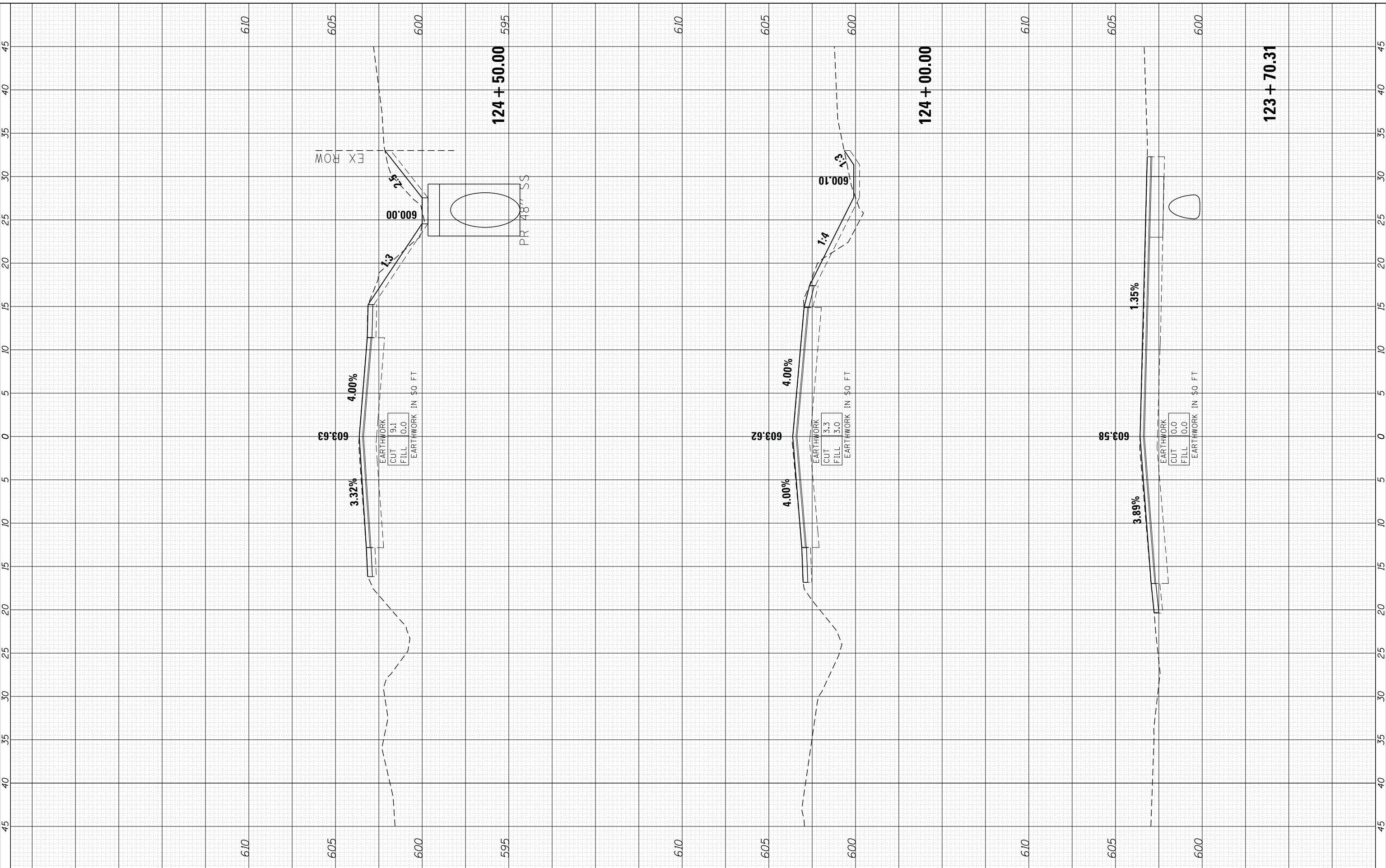
SCALE: 1" = 5' SHEET NO. 3 OF 12 SHEETS STA. 123+00.00 TO STA. 123+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	39
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT 60L82	

FINL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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ORIGINAL	SURVEYED	BY	DATE
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NO.	AREAS CHECKED		

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 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 2/7/2013 15:25 PM
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DRAWN	- SMP
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REVISED	-

DESIGNED - CMH
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 CHECKED - TEH
 DATE - 2/7/13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 127TH STREET

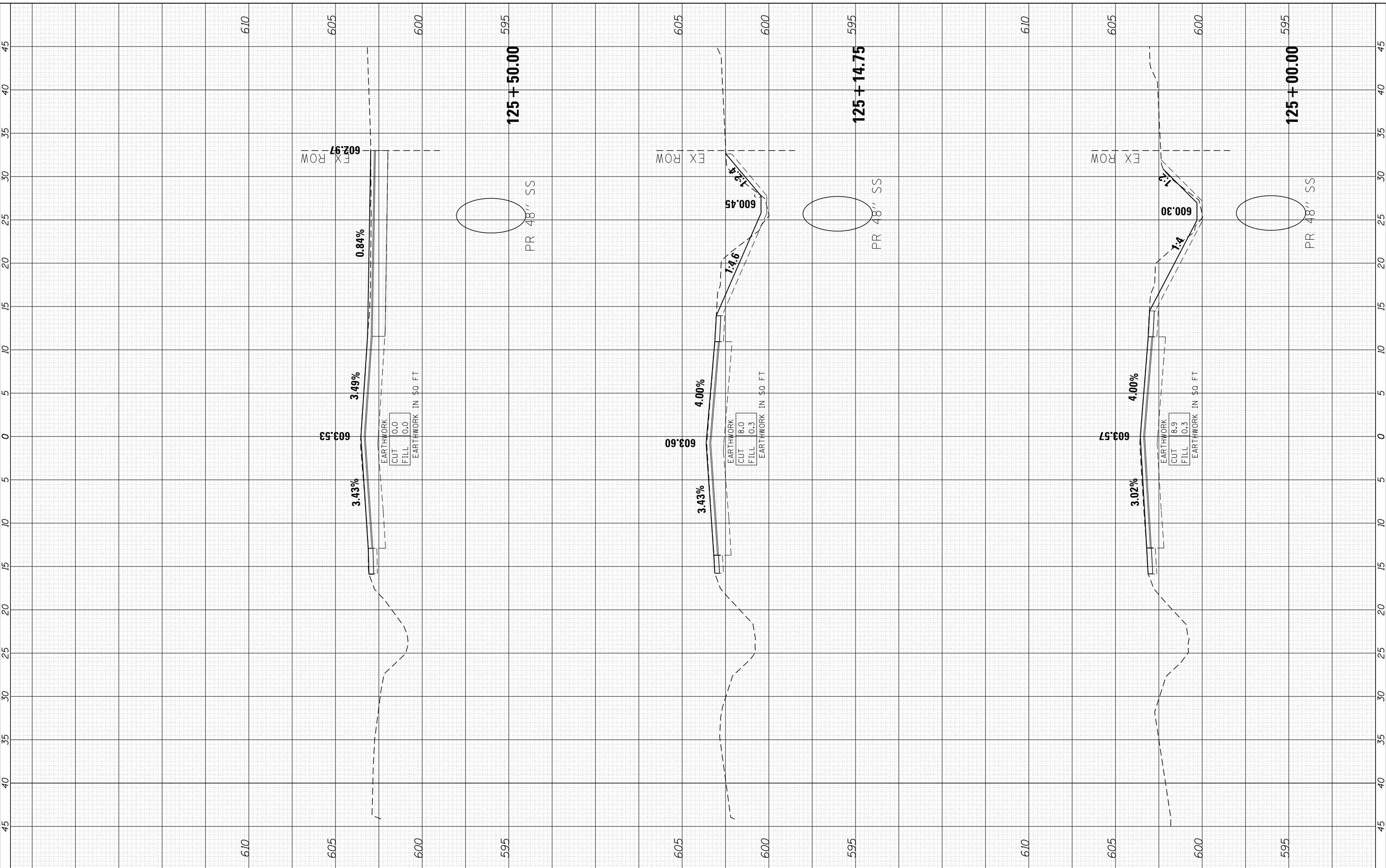
SCALE: 1" = 5'
 SHEET NO. 4 OF 12 SHEETS
 STA. 123+70.31 TO STA. 124+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	40
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT 60L82	

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 2/7/2013 15:52:29 PM
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 PEN TABLE: standard-trns.tbl



USER NAME =	spenel
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DRAWN -	SMP
CHECKED -	TEH
DATE -	2/7/13
REVISIONS	
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REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

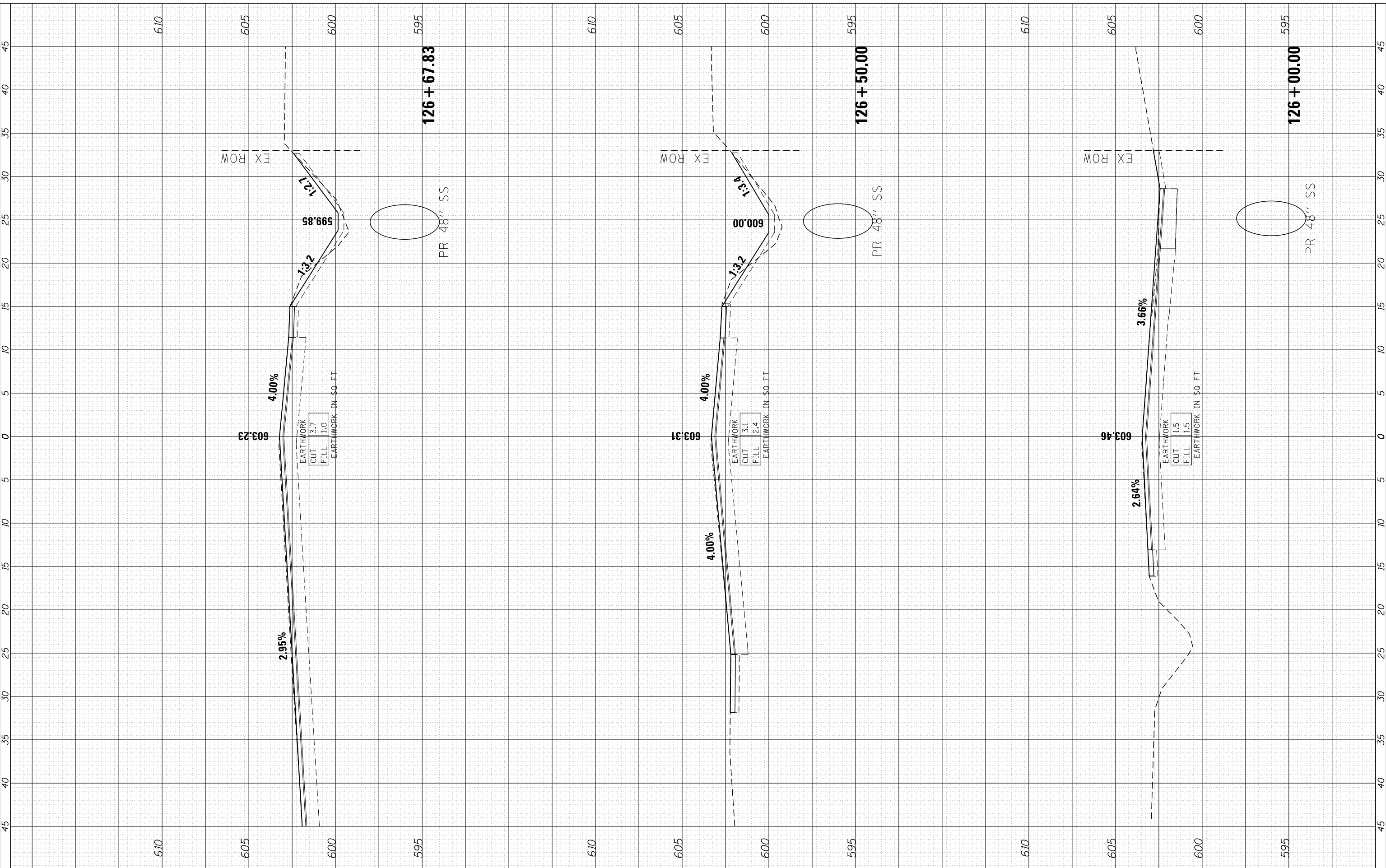
SCALE: 1" = 5' SHEET NO. 5 OF 12 SHEETS STA. 125+00.00 TO STA. 125+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	41
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	60L82	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 2/7/2013 14:53:36 PM
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USER NAME	= spenel
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CHECKED	- TEH
DATE	- 2/7/13

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

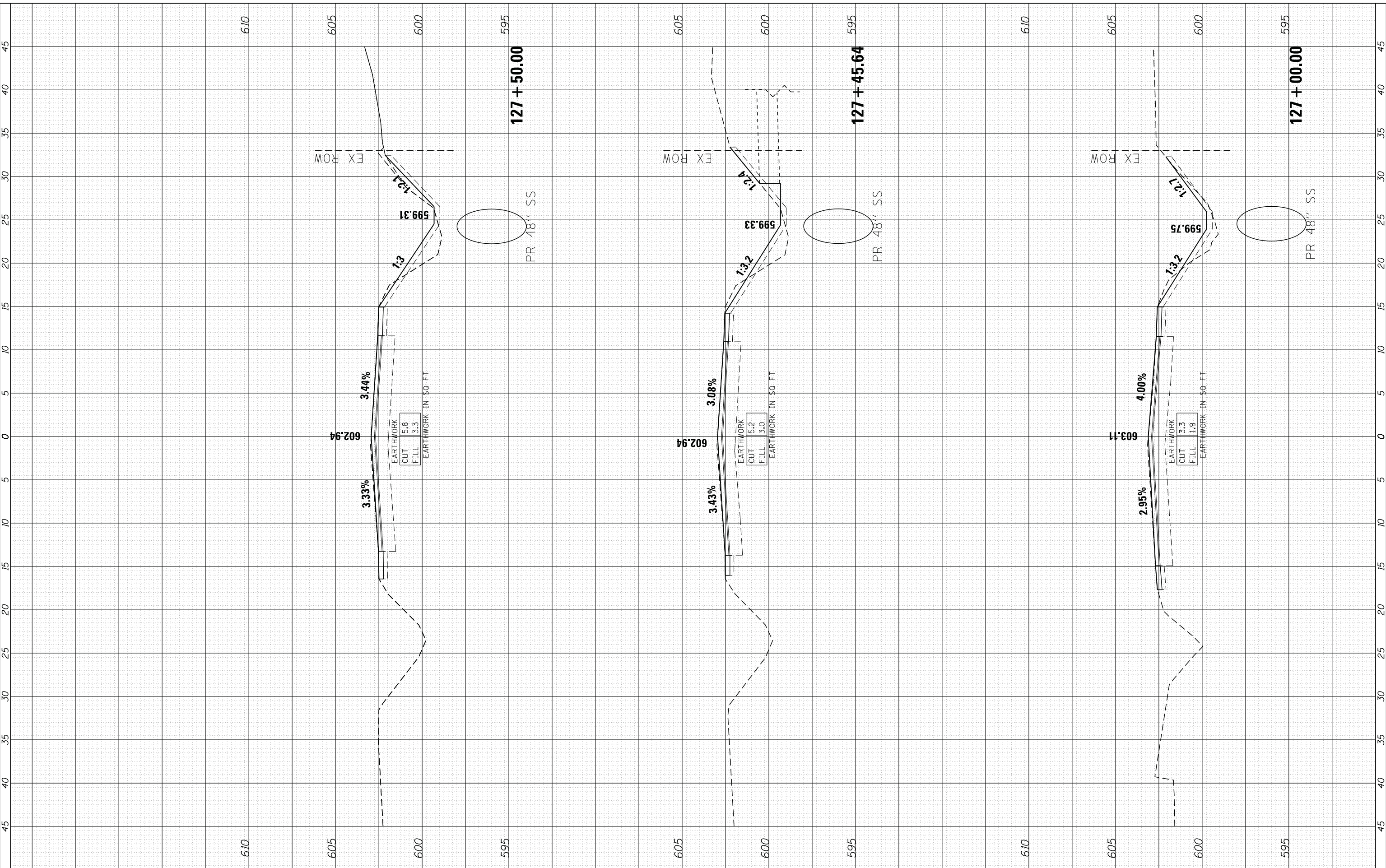
SCALE: 1" = 5' SHEET NO. 6 OF 12 SHEETS STA. 126+00.00 TO STA. 126+67.83

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	42
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT 60L82	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 2/7/2013 1:53:46 PM
 DATE PLOTTED: 8610095.07-xdc.dgn
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USER NAME	= spenel
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CHECKED	- TEH
DATE	- 2/7/13

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

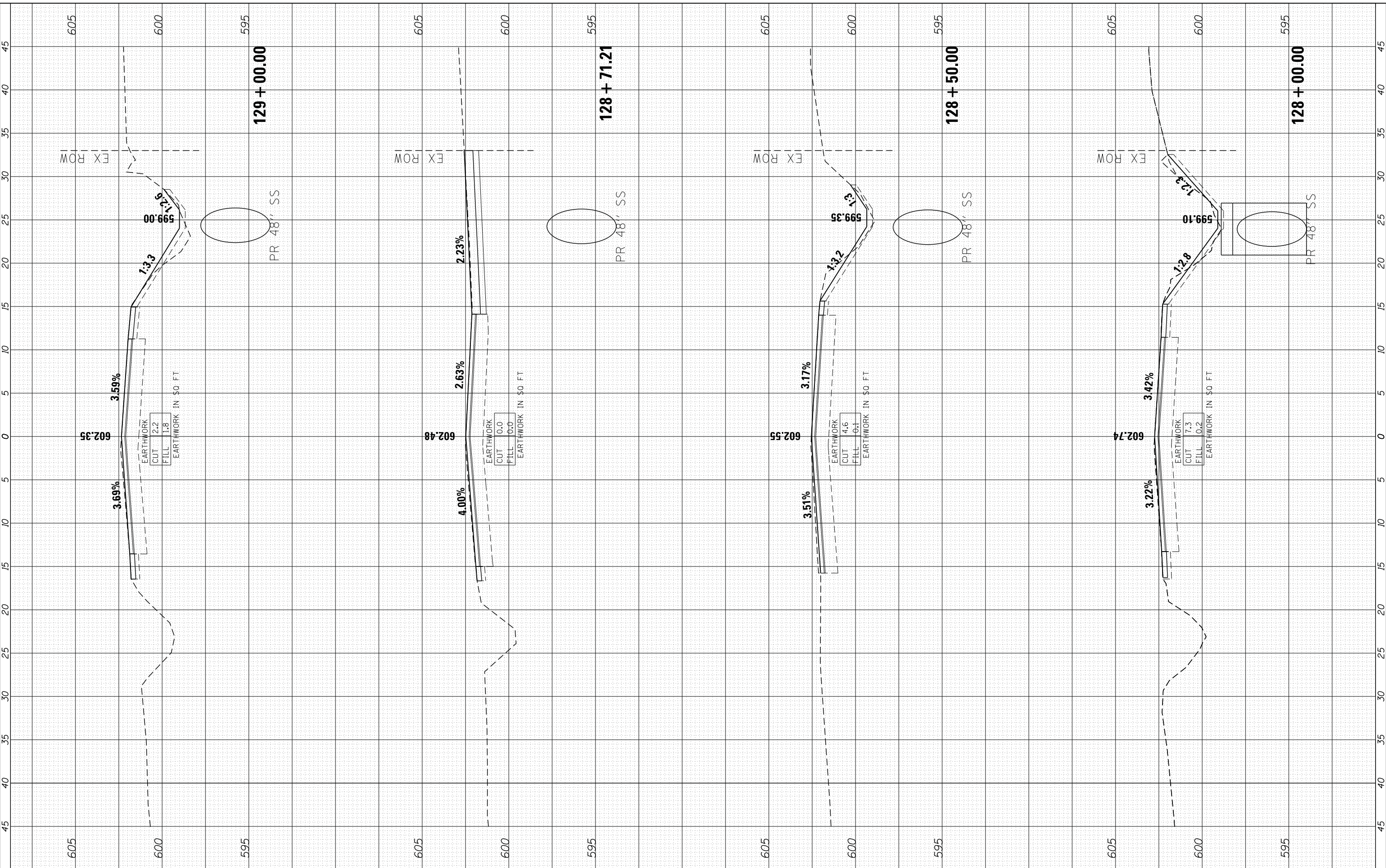
SCALE: 1" = 5' SHEET NO. 7 OF 12 SHEETS STA. 127+00.00 TO STA. 127+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	43
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			60L82	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 2/7/2013 1:53:55 PM
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 PEN TABLE: standard-trans.tbl



HRCGreen.com
 Illinois Professional Design Firm
 #184-001322

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

**CROSS SECTIONS
 127TH STREET**

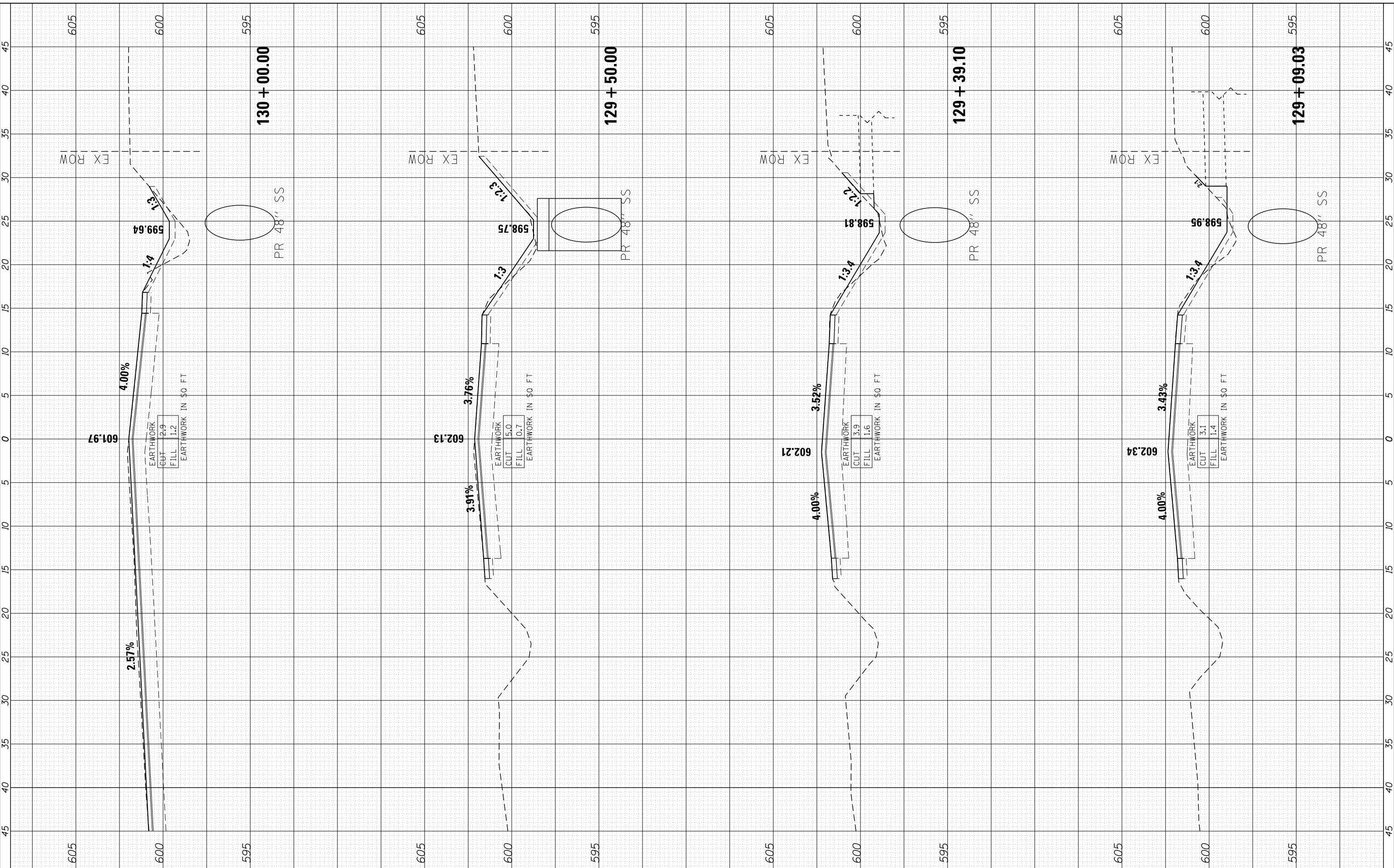
SCALE: 1" = 5' SHEET NO. 8 OF 12 SHEETS STA. 128+00.00 TO STA. 129+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	44
CONTRACT NO. 60L82				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	60L82	

FINL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 2/7/2013 1:53:59 PM
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USER NAME = spenal
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DATE - 2/7/13

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

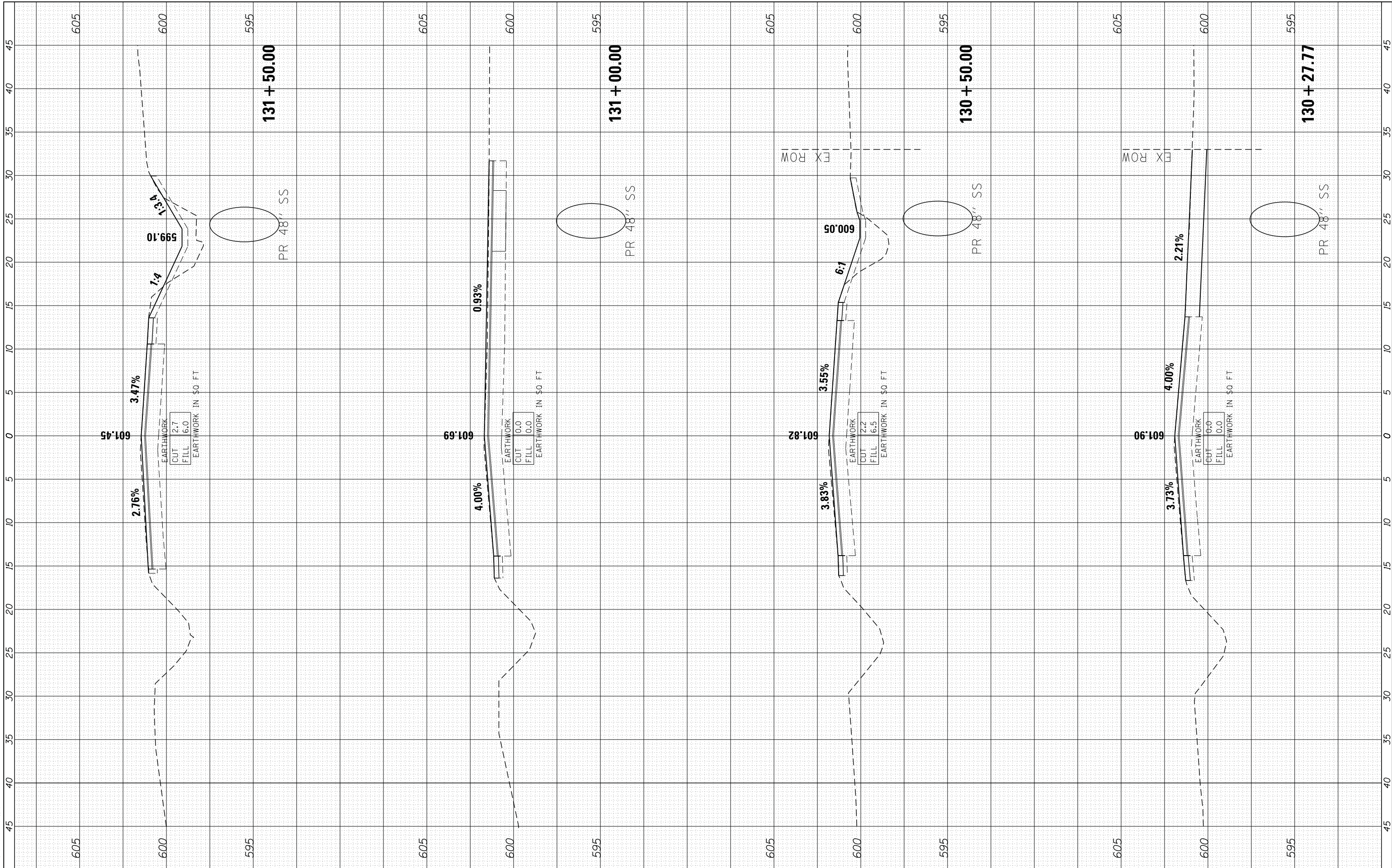
SCALE: 1" = 5' SHEET NO. 9 OF 12 SHEETS STA. 129+09.03 TO STA. 130+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	45
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT 60L82	

FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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 PLOT DRIVER: pldrvr.tbl
 PEN TABLE: standard-trns.tbl



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

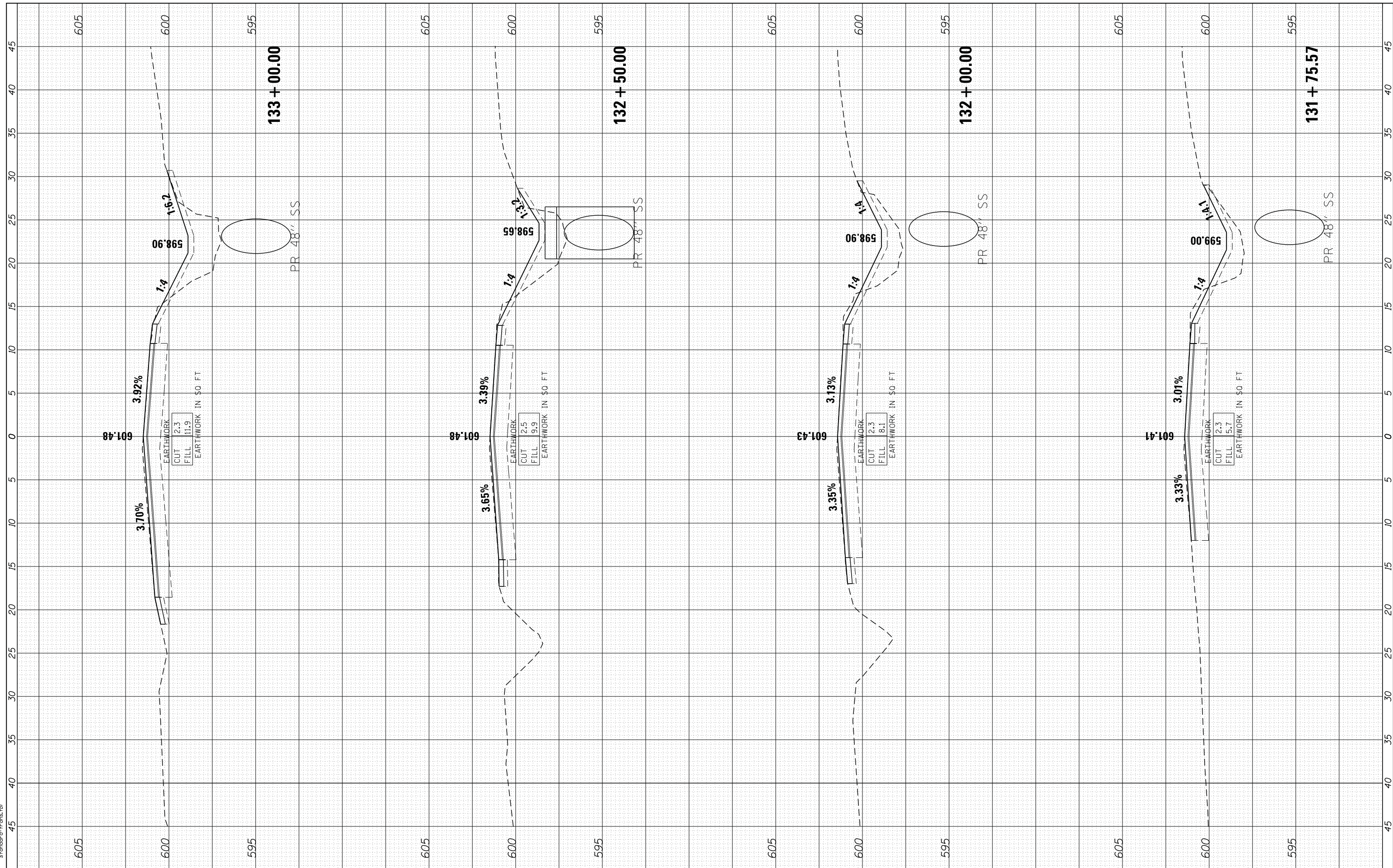
SCALE: 1" = 5' SHEET NO. 10 OF 12 SHEETS STA. 130+27.77 TO STA. 131+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	46
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	60L82	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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COMPANY NAME: HRCGreen.com
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CHECKED	- TEH
DATE	- 2/7/13

REVISIONS	NO.	DESCRIPTION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
127TH STREET**

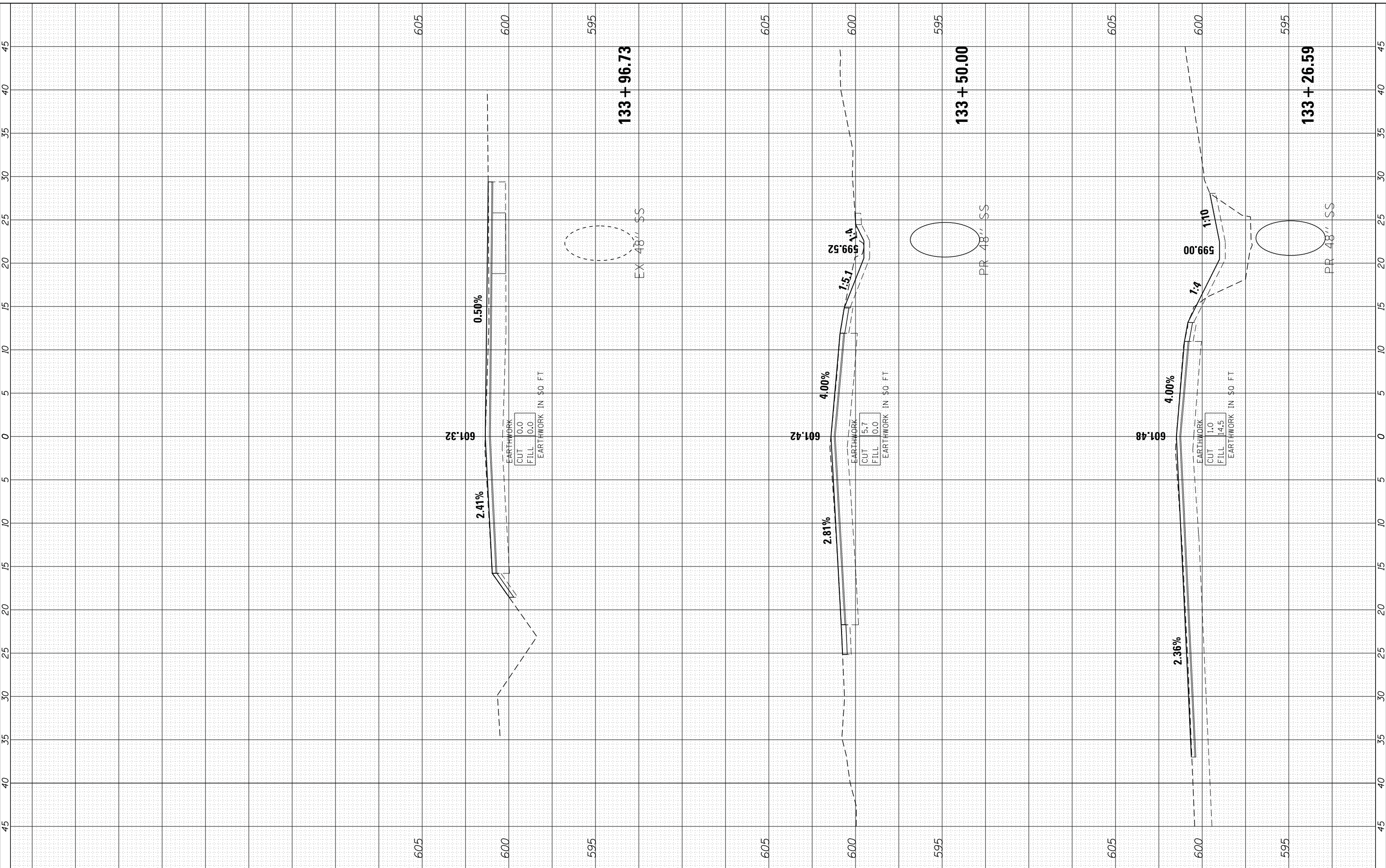
SCALE: 1" = 5' SHEET NO. 11 OF 12 SHEETS STA. 131+75.57 TO STA. 133+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	47
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	60L82	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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 PEN TABLE: standard-trans.tbl



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	DATE - 2/7/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
127TH STREET

SCALE: 1" = 5' SHEET NO. 12 OF 12 SHEETS STA. 133+26.59 TO STA. 133+96.73

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3034-RS-S	COOK	48	48
CONTRACT NO.			60L82	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT 60L82	