

08-01-14 LETTING ITEM 011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	60N26	

PROPOSED HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN
THE VILLAGES OF LAKE
ZURICH, DEER PARK, AND
KILDEER

DESIGN DESIGNATION:

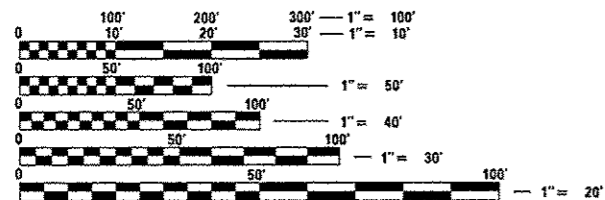
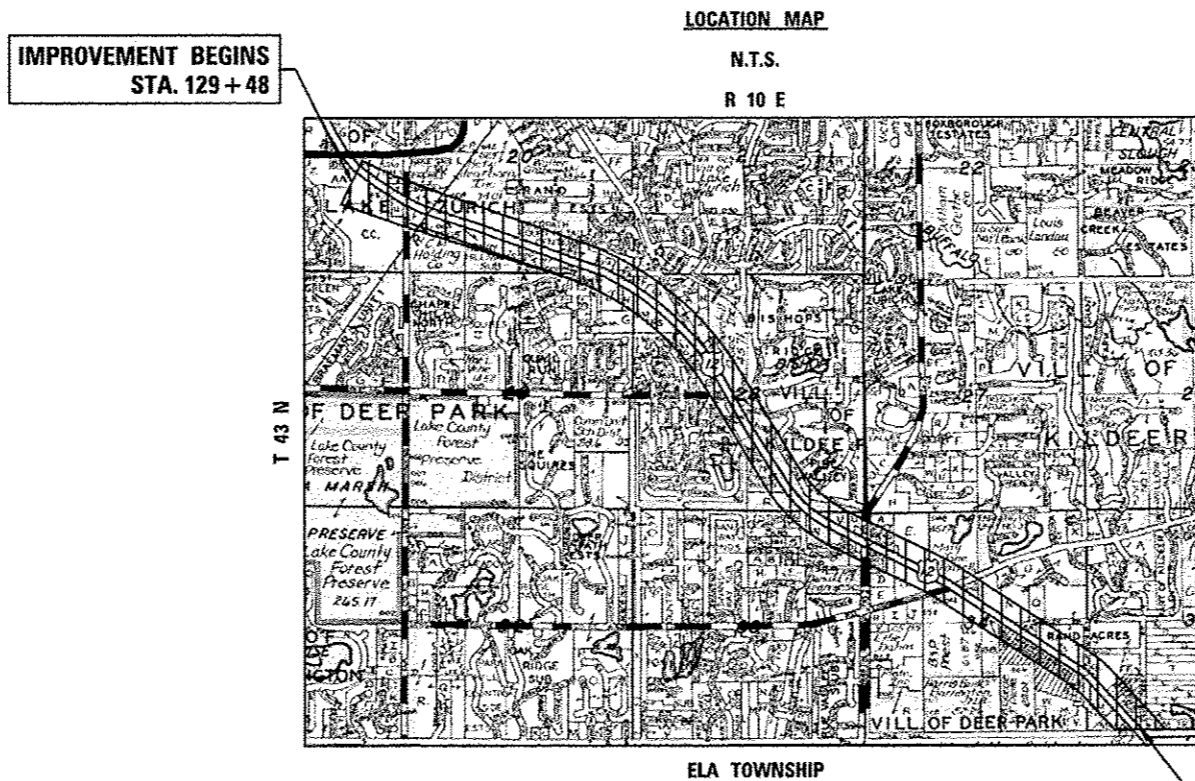
SPEED LIMIT: 35 - 45 M.P.H.
2011 ADT = 48,000

FAP 334 (US ROUTE 12)
SECTION SY-3-RS-4
ELA RD TO W LAKE COOK RD (COOK COUNTY LINE)
RESURFACING (3P)
LAKE COUNTY
C-91-296-11

D-91-296-11



LOCATION OF SECTION INDICATED THIS: - [shaded area]



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: BENJAMIN HARTMAN (815) 385-1778
(IDOT) PROJECT MANAGER: KEN ENG (847) 705-4247

CONTRACT NO. 60N26

GROSS LENGTH OF IMPROVEMENT = 22,007 FEET = 4.17 MILE
NET LENGTH OF IMPROVEMENT = 22,007 FEET = 4.17 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 27 20 14
John Gutmann Jr
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 20 14
John D. Baranzelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14
Omer Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Theodore E. Hamilton

THEODORE E. HAMILTON
662-049143
STATE OF ILLINOIS

EXPIRES: 11/30/15

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-07	PERPENDICULAR CURB RAMPS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSING
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-03	FRAME AND LIDS TYPE 1
604051-03	FRAME AND GRATE TYPE 11
604091-02	FRAME AND GRATE TYPE 24
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
642006	SHOULDER RUMBLE STRIPS, 8 IN.
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
701101-04	
701801-05	
701421-06	

GENERAL NOTES

- THE RESIDENT ENGINEER SHALL CONTACT MS. DEBBIE HANLON THE AREA TRAFFIC FIELD ENGINEER, AT 647 438-2300 AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 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.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR
- THE CONTRACTOR 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.
- 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.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, CURB, CUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- REGARDING THE USE OF HIGHWAY STANDARD 482011, THE WIDTH OF HMA SHOULDERS SHALL BE DETERMINED FROM WHAT IS DIMENSIONED ON THE ROADWAY PLAN.
- MILLING AND PAVING OPERATIONS SHALL BE SCHEDULED SO THAT MILLED PAVEMENT SHALL BE RESURFACED WITHIN 10 CALENDAR DAYS, PER ARTICLE 440.04

GENERAL NOTES

- 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).
- 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.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF LAKE ZURICH, KILDEER, AND DEER PARK.
- 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.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, 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.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 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 CONTRACTORS EXPENSE.
- 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).
- 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.
- THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING.
- 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.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

SIGNING AND STRIPING

- SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAIL AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS AND INCLUDED IN THE UNIT COST OF THE CONTRACT

EROSION CONTROL PLANS

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- PROPERTIES AND CHANNELS ADJOINING THE SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE Routed THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO THE CONSTRUCTION SITE, CHANNEL, WATERS OF THE UNITED STATES. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
- PERMANENT EROSION CONTROL SHALL INCLUDE TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A TO BE PROVIDED IN ACCORDANCE WITH ARTICLE 250 OF THE STANDARD SPECIFICATIONS.

EARTHWORK

- SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.

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 PROJECT CONTACT: HRGreen.com
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	DRAWN - J. ATTANASEO	REVISED -
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60N26	

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	ROADWAY
				0005	URBAN
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5,439.4	5,439.4	
20400800	FURNISHED EXCAVATION	CU YD	10.0	10.0	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	9,259	9,259	
21400100	GRADING AND SHAPING DITCHES	FOOT	4,480	4,480	
25000210	SEEDING, CLASS 2A	ACRE	2	2	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	173	173	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	173	173	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	173	173	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	192	192	
28000305	TEMPORARY DITCH CHECKS	FOOT	250	250	
28000400	PERIMETER EROSION BARRIER	FOOT	8,180	8,180	
28000510	INLET FILTERS	EACH	15	15	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	9,259	9,259	
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	12,290	12,290	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	21	21	

• SPECIALTY ITEMS

15

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PLOT DATE * 5/23/2014	CHECKED - T. HAMILTON	REVISED -
	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)			
SCALE: N.T.S.	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3	3	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	72	72	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	7,500	7,500	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,340	1,340	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	1,562	1,562	
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	17,490	17,490	
42001300	PROTECTIVE COAT	SQ YD	195	195	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	21	21	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	100	100	
42400800	DETECTABLE WARNINGS	SQ FT	150	150	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	178,470	178,470	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	42	42	
44000600	SIDEWALK REMOVAL	SQ FT	250	250	
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	6,970	6,970	

■ SPECIALTY ITEMS

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 PLOT DATE: * 5/23/2014

DESIGNED - J. ATTANASEO
 DRAWN - J. ATTANASEO
 CHECKED - T. HAMILTON
 DATE - 5/23/14

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

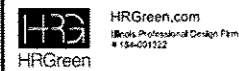
SUMMARY OF QUANTITIES
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: N.T.S. SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	4
FED. ROAD DIST. NO.			CONTRACT NO. 60N26	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	URBAN
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	240	240	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1,248	1,248	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	2,400	2,400	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,920	1,920	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	29,840	29,840	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2,425	2,425	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	10,630	10,630	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	40	40	
60404800	FRAMES AND GRATES, TYPE 11	EACH	5	5	
60404950	FRAMES AND GRATES, TYPE 24	EACH	5	5	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	30	30	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	30,011	30,011	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
67100100	MOBILIZATION	L SUM	1	1	

• SPECIALTY ITEMS

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DRAWN	- J. ATTANASEO
CHECKED	- T. HAMILTON
DATE	- 5/23/14
PLOT SCALE	• N.T.S.
PLOT DATE	• 5/23/2014

REVISED	-
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

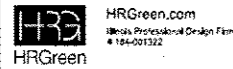
SUMMARY OF QUANTITIES			
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)			
SCALE: N.T.S.	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
				0005	
				URBAN	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1		1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	42,085		42,085
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	3,750		3,750
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	76,740		76,740
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	13,035		13,035
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	6,830		6,830
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3,245		3,245
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,775		1,775
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14,030		14,030
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3,750		3,750
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	76,740		76,740
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	13,035		13,035
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	6,830		6,830

• SPECIALTY ITEMS

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:36:04 AM
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 PLOT DRIVER: hst_lwp.plt
 PEN TABLE: standard.ctb



USER NAME: detanoz
 PLOT SCALE: N.T.S.
 PLOT DATE: 5/23/2014

DESIGNED - J. ATTANASEO
 DRAWN - J. ATTANASEO
 CHECKED - T. HAMILTON
 DATE - 5/23/14

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

SCALE: N.T.S. SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	6
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60N26		

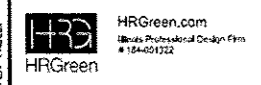
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				ROADWAY	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3,245	3,245	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,775	1,775	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,960	1,960	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,960	1,960	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	8,578	8,578	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	225	225	
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	80,315	80,315	
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	500	500	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	30	30	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	60	60	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	360	360	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	600	600	
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

* 06900200 NON-SPECIAL WASTE DISPOSAL CU YD 3300 3300
 * 06900450 SPECIAL WASTE PLANS AND REPORTS LSUM 1 1
 * 06900530 SOIL DISPOSAL ANALYSIS EACH 10 10

COUNTY NAME: COUNTY CONTACT:
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00042 * Specialty Items



USER NAME * dastanz	DESIGNED - J. ATTANASEO	REVISED -
PLDT SCALE * N.T.S.	DRAWN - J. ATTANASEO	REVISED -
PLDT DATE * 5/23/2014	CHECKED - T. HAMILTON	REVISED -
	DATE - 5/23/14	REVISED -

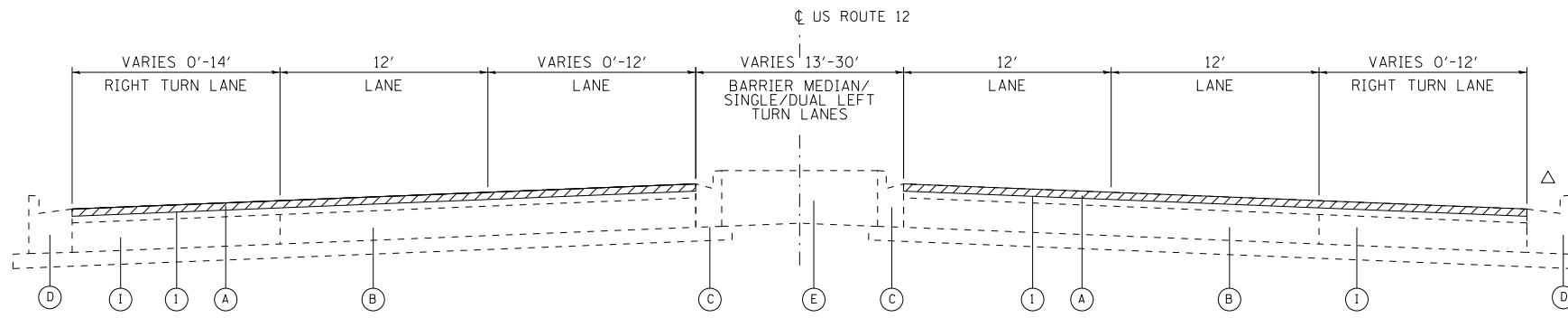
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

SCALE: N.T.S.	SHEET NO. 5 OF 5 SHEETS	STA. TO STA.
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F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

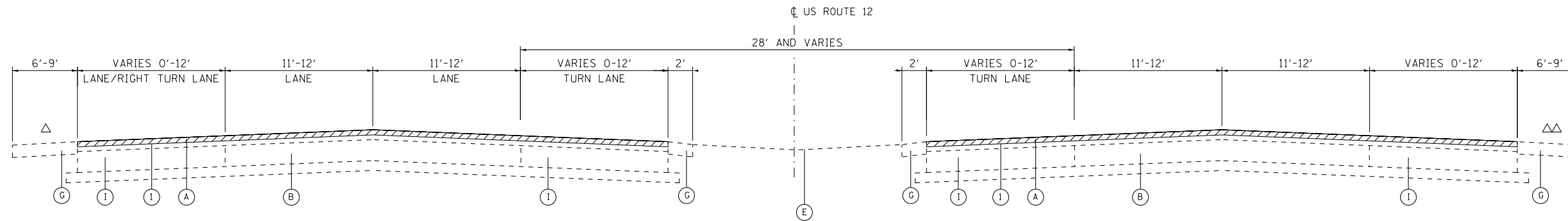
Rev.



EXISTING TYPICAL SECTION

STA. 129+48 TO STA. 135+00
 STA. 199+45 TO STA. 202+42
 STA. 205+09 TO STA. 208+00
 STA. 297+83 TO STA. 318+49
 STA. 328+02 TO STA. 349+55

△ AGGREGATE SHLDR STA. 199+45 TO STA. 202+42

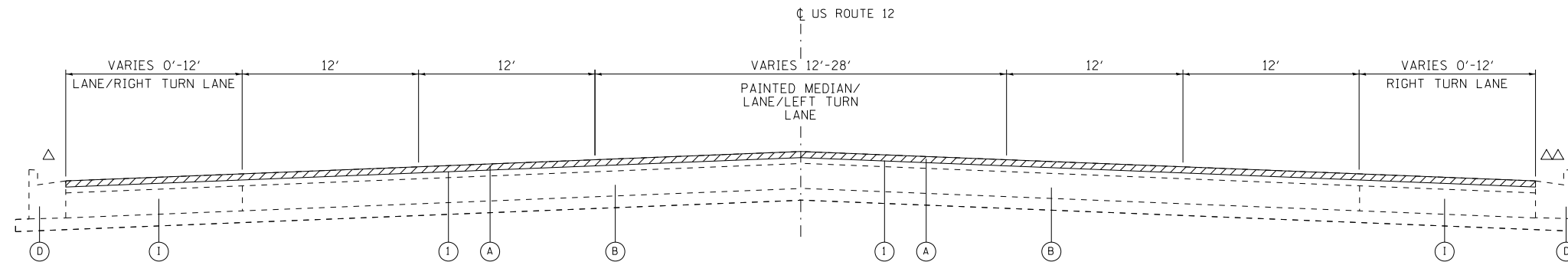


EXISTING TYPICAL SECTION

STA. 135+00 TO STA. 199+45
 STA. 202+42 TO STA. 205+09
 STA. 208+00 TO STA. 250+00

△ CURB & GUTTER STA. 135+00 TO STA. 151+76
 STA. 167+80 TO STA. 171+27
 STA. 204+05 TO STA. 205+09

△△ CURB & GUTTER STA. 135+00 TO STA. 152+21
 STA. 167+21 TO STA. 177+50
 STA. 215+17 TO STA. 217+80
 STA. 249+40 TO STA. 250+00



EXISTING TYPICAL SECTION

STA. 250+00 TO STA. 297+83
 STA. 318+49 TO STA. 328+02

△ AGGREGATE SHLDR STA. 250+00 TO STA. 267+50

△△ AGGREGATE SHLDR STA. 250+00 TO STA. 259+03

EXISTING CONDITIONS

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, ±4"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, ±10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYP.E B-6.12
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYP.E B-6.24
- (E) BARRIER CONCRETE MEDIAN/GRASS MEDIAN
- (F) HMA SHOULDERS
- (G) AGGREGATE SHOULDERS
- (H) AGGREGATE SUBGRADE
- (I) HOT-MIX ASPHALT BASE COURSE, ±10"

PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL; 2½"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90; 1¾"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; ¾" (MIN)
- (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AT LOCATIONS AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B (TAPER 3" TO 1" THICKNESS) - SEE SAFETY EDGE DETAIL
- (6) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL
- (7) OMITTED
- (8) OMITTED
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (11) SHOULDER RUMBLE STRIPS, 8"
- (12) TOPSOIL FURNISH AND PLACE, 4"
- (13) SEEDING, CLASS 2A

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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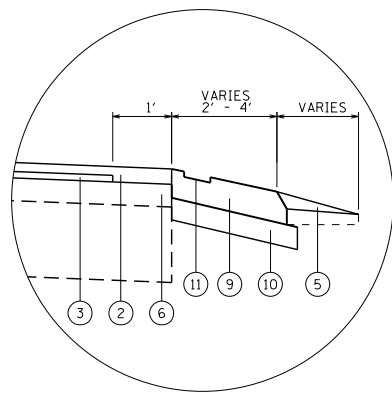


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	DRAWN - J. ATTANASEO	REVISED -
PLOT SCALE = N.T.S.	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

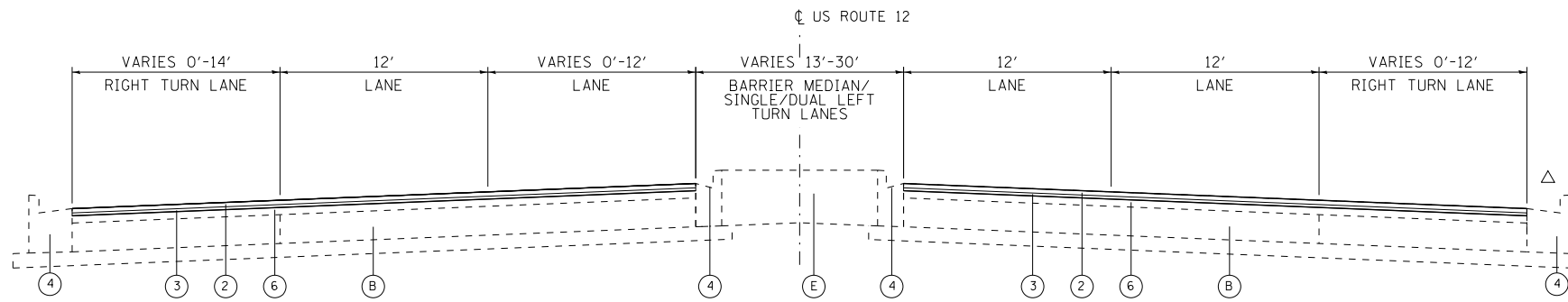
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SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 6ON26	



**** RESURFACING TREATMENT AT SHOULDER AND RUMBLE STRIP DETAILS**
N.T.S.

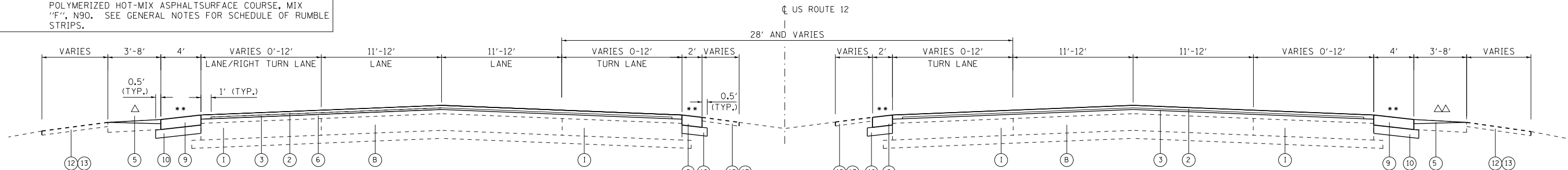
NOTE: INCREASED THICKNESS OF HMA SURFACE COURSE ALONG SHOULDER EDGE SHALL BE INCLUDED IN THE COST OF POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90. SEE GENERAL NOTES FOR SCHEDULE OF RUMBLE STRIPS.



PROPOSED TYPICAL SECTION

STA. 129+48 TO STA. 135+00
STA. 199+45 TO STA. 202+42
STA. 205+09 TO STA. 208+00
STA. 297+83 TO STA. 318+49
STA. 328+02 TO STA. 349+55

△ AGGREGATE SHLDR STA. 199+45 TO STA. 202+42

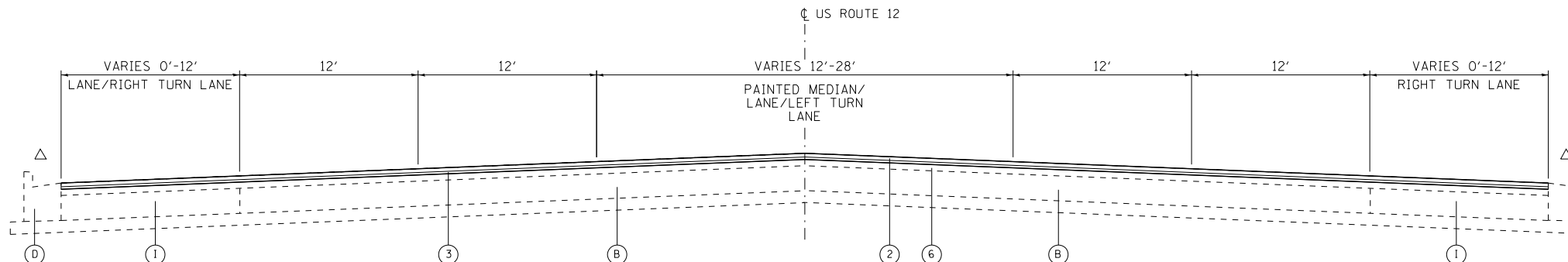


PROPOSED TYPICAL SECTION

STA. 135+00 TO STA. 199+45
STA. 202+42 TO STA. 205+09
STA. 208+00 TO STA. 250+00

△ CURB & GUTTER STA. 135+00 TO STA. 151+76
STA. 167+80 TO STA. 171+27
STA. 204+05 TO STA. 205+09

△△ CURB & GUTTER STA. 135+00 TO STA. 152+21
STA. 167+21 TO STA. 177+50
STA. 215+17 TO STA. 217+80
STA. 249+40 TO STA. 250+00



PROPOSED TYPICAL SECTION

STA. 250+00 TO STA. 297+83
STA. 318+49 TO STA. 328+02

△ PROP HOT-MIX ASPHALT SHOULDER AND AGGREGATE WEDGE SHOULDER STA. 250+00 TO STA. 265+10

△ PROP HOT-MIX ASPHALT SHOULDER AND AGGREGATE WEDGE SHOULDER STA. 250+00 TO STA. 259+03

EXISTING CONDITIONS

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, ±4"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, ±10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYP.E B-6.12
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYP.E B-6.24
- (E) BARRIER CONCRETE MEDIAN/GRASS MEDIAN
- (F) HMA SHOULDERS
- (G) AGGREGATE SHOULDERS
- (H) AGGREGATE SUBGRADE
- (I) HOT-MIX ASPHALT BASE COURSE, ±10"

PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL; 2 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90; 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4" (MIN)
- (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AT LOCATIONS AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B (TAPER 3" TO 1" THICKNESS) - SEE SAFETY EDGE DETAIL
- (6) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL
- (7) OMITTED
- (8) OMITTED
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (11) SHOULDER RUMBLE STRIPS, 8"
- (12) TOPSOIL FURNISH AND PLACE, 4"
- (13) SEEDING, CLASS 2A

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 (%) N _{DES}	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OCP
HMA SHOULDERS, 8"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.	OCP
HOT-MIX ASPHALT (HMA BINDER IL-19mm); 6"	4% @ 50 GYR.	OCP
PATCHING		
CLASS D PATCH (HMA BINDER, IL-19mm)	4% @ 70 GYR.	OC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	OC/OA
DRIVEWAYS		
HMA SURFACE COURSE, MIX "D", N 50 (IL 9.5 mm); 2"	4% @ 50 GYR.	OC/OA
HMA BASE COURSE (HMA BINDER IL-19mm); 8"	4% @ 50 GYR.	OC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN

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

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

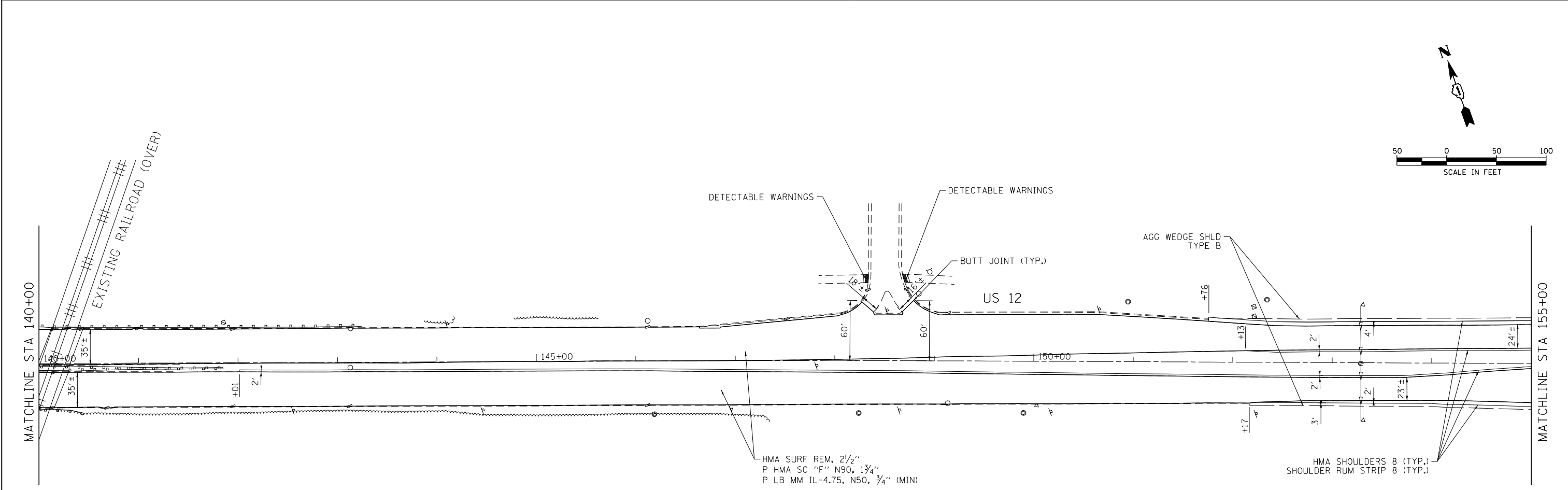
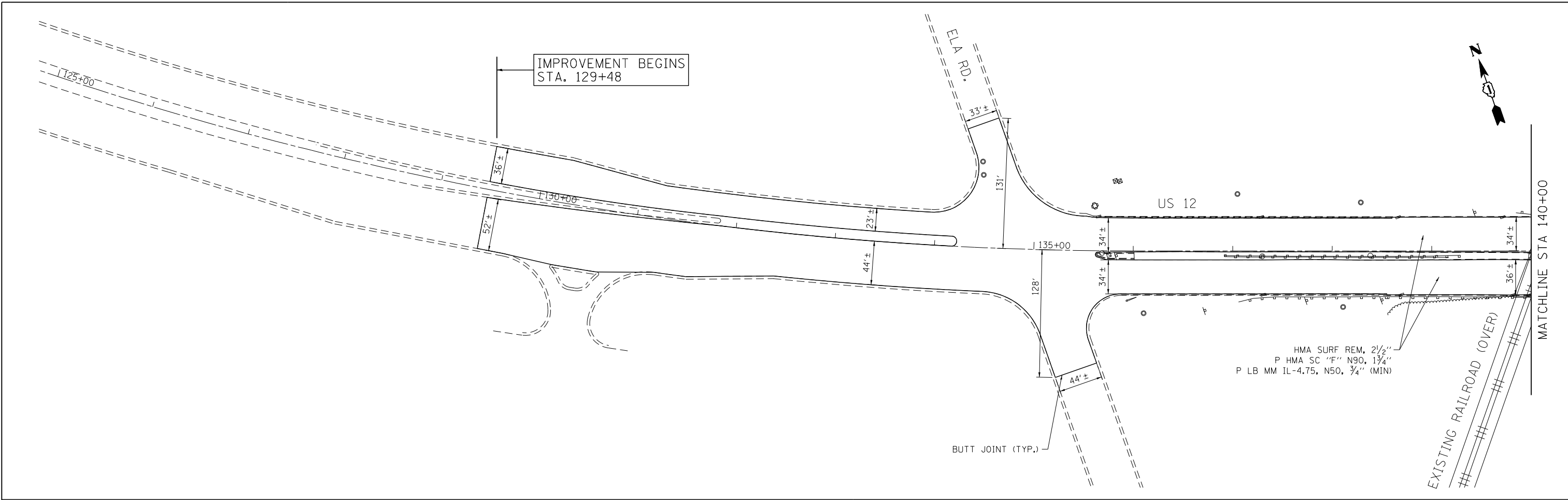
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PROJECT CONTACT: HRGreen.com
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PLOT DATE = 5/23/2014	CHECKED - T. HAMILTON	REVISED -
	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTION US ROUTE 12 (ELA RD. TO LAKE COOK RD.)		F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 10
SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 60N26		
				FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 10:59:22 AM
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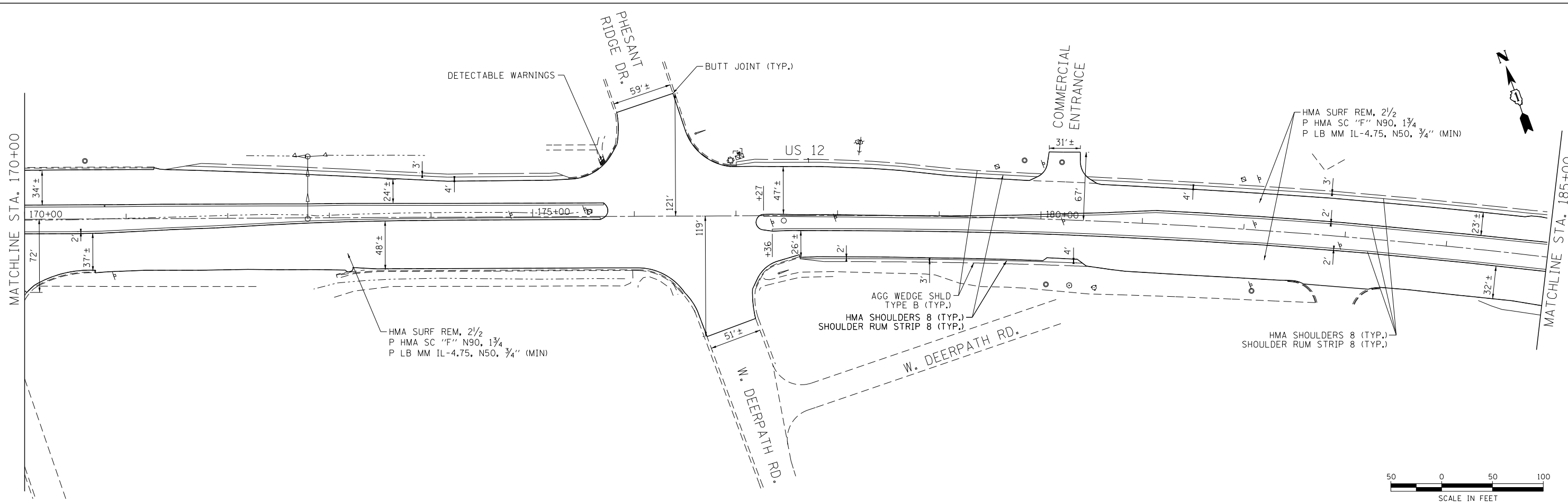
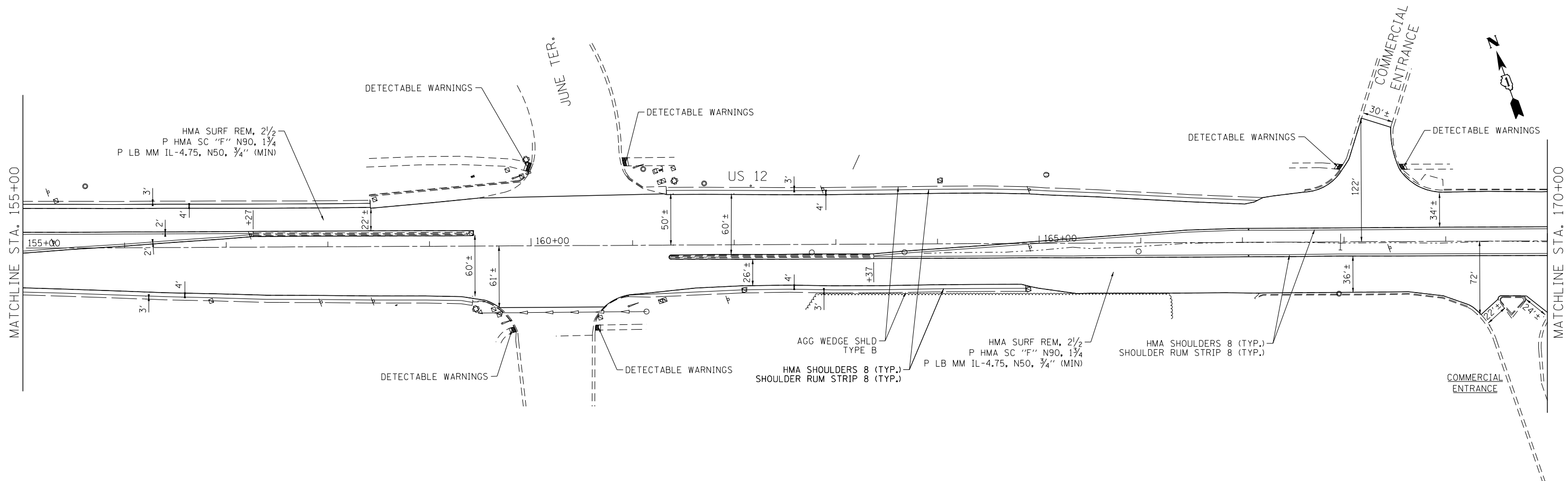


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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN	
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	
SCALE: 1" = 50'	SHEET NO. 1 OF 8 SHEETS
STA. BEGIN	TO STA. 155+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 11
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60N26		



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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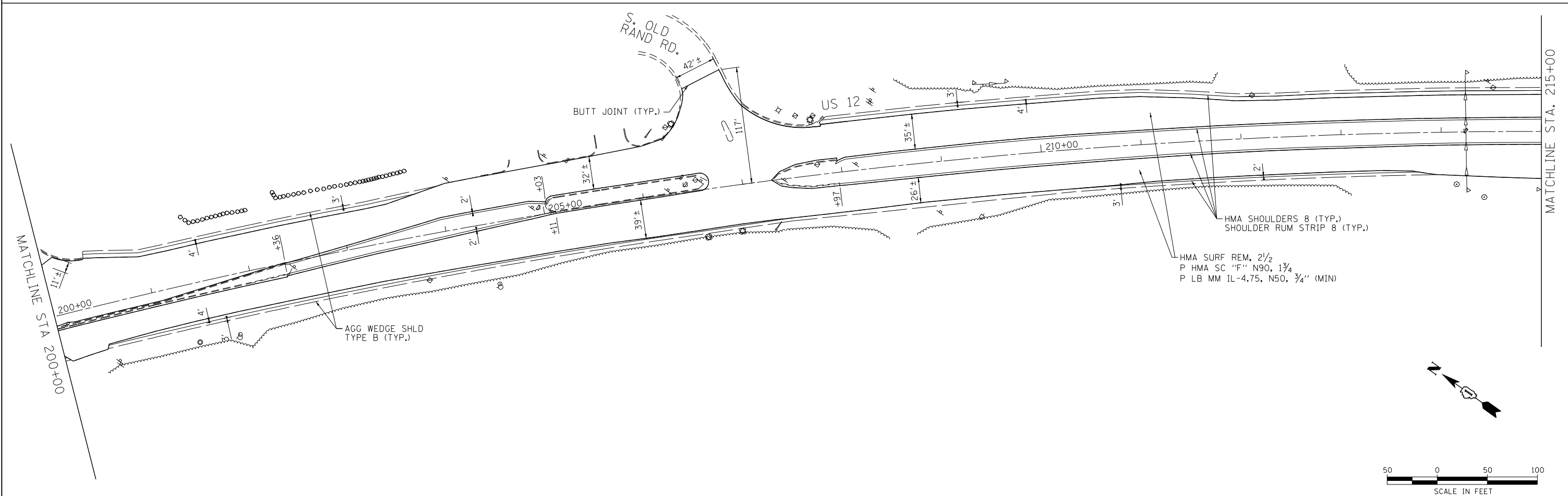
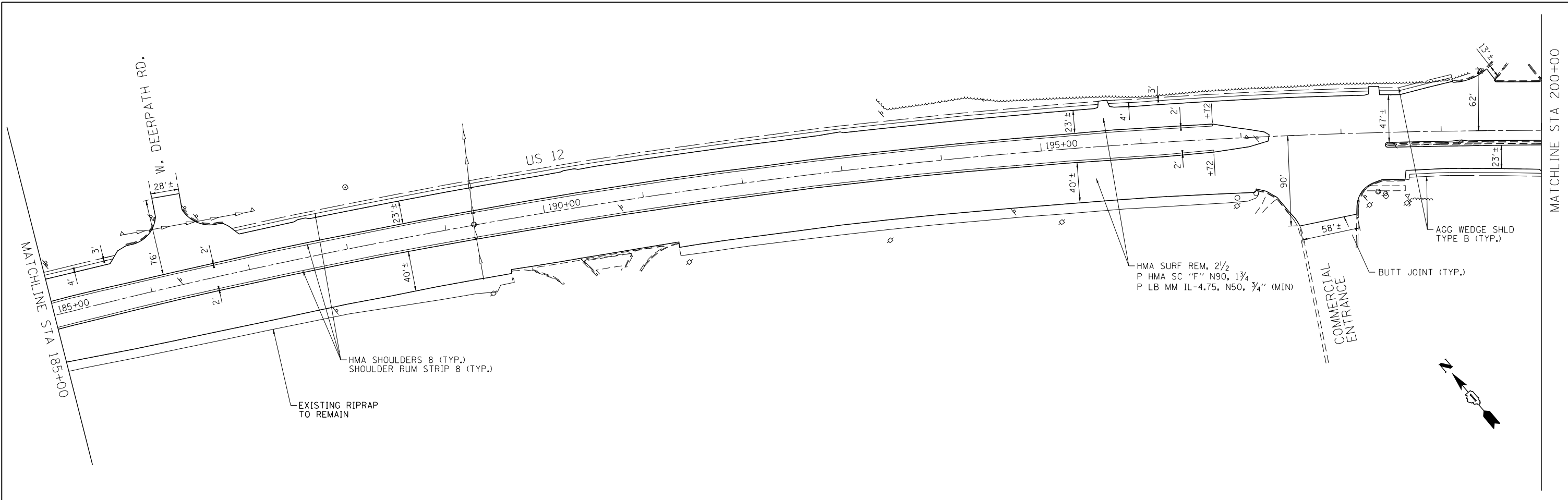
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 1" = 50' SHEET NO. 2 OF 8 SHEETS STA. 155+00 TO STA. 185+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	





COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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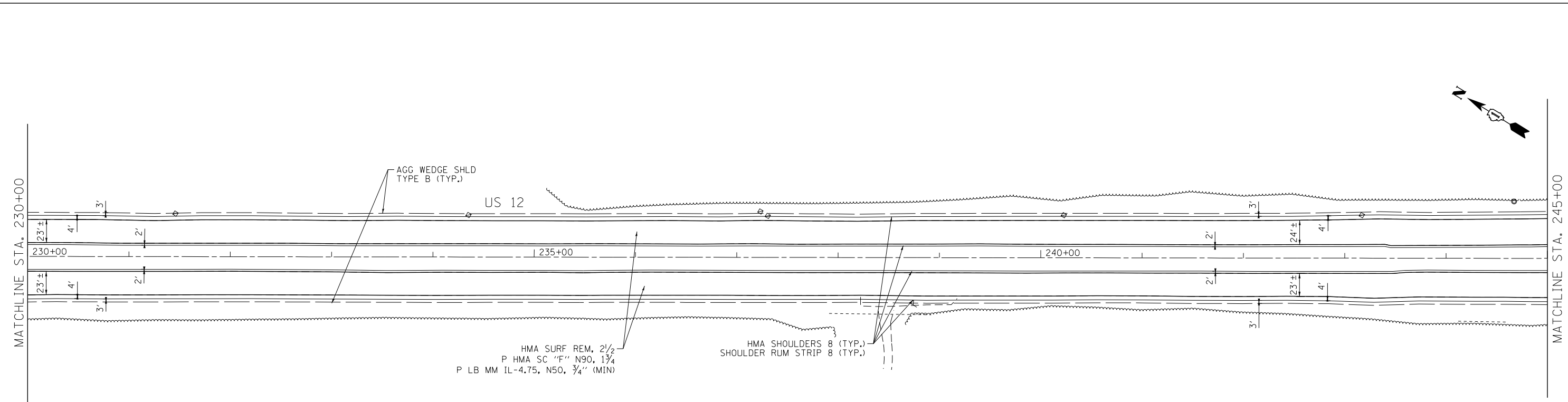
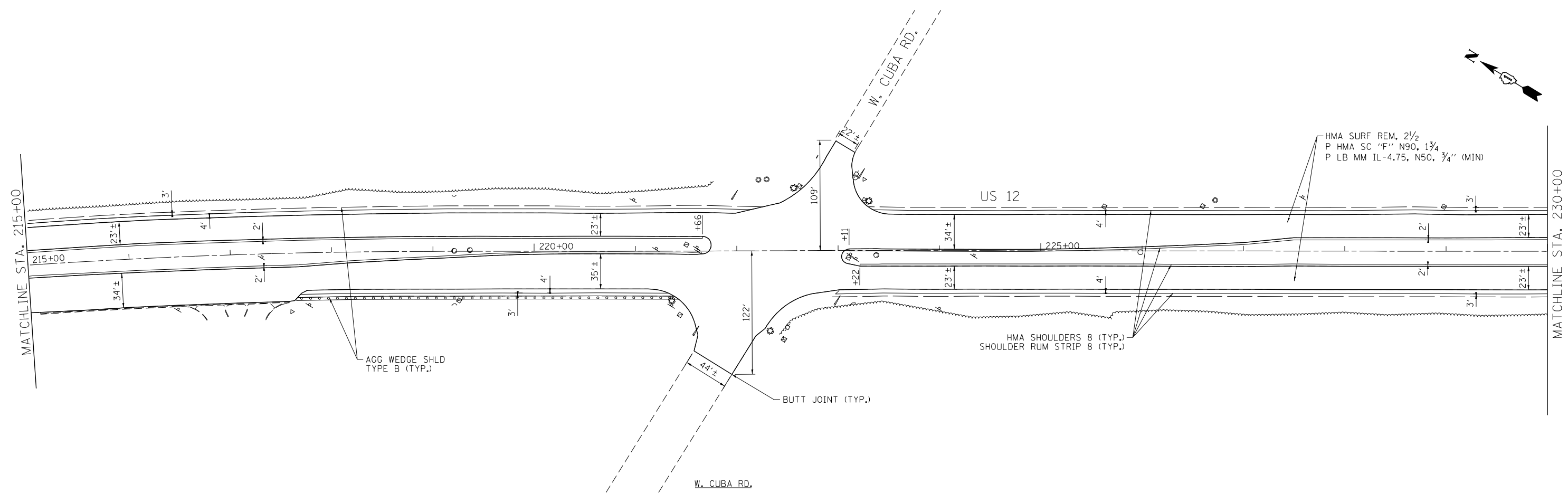
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)			
SCALE: 1" = 50'	SHEET NO. 3 OF 8 SHEETS	STA. 185+00	TO STA. 215+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	13
CONTRACT NO. 60N26				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





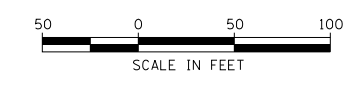
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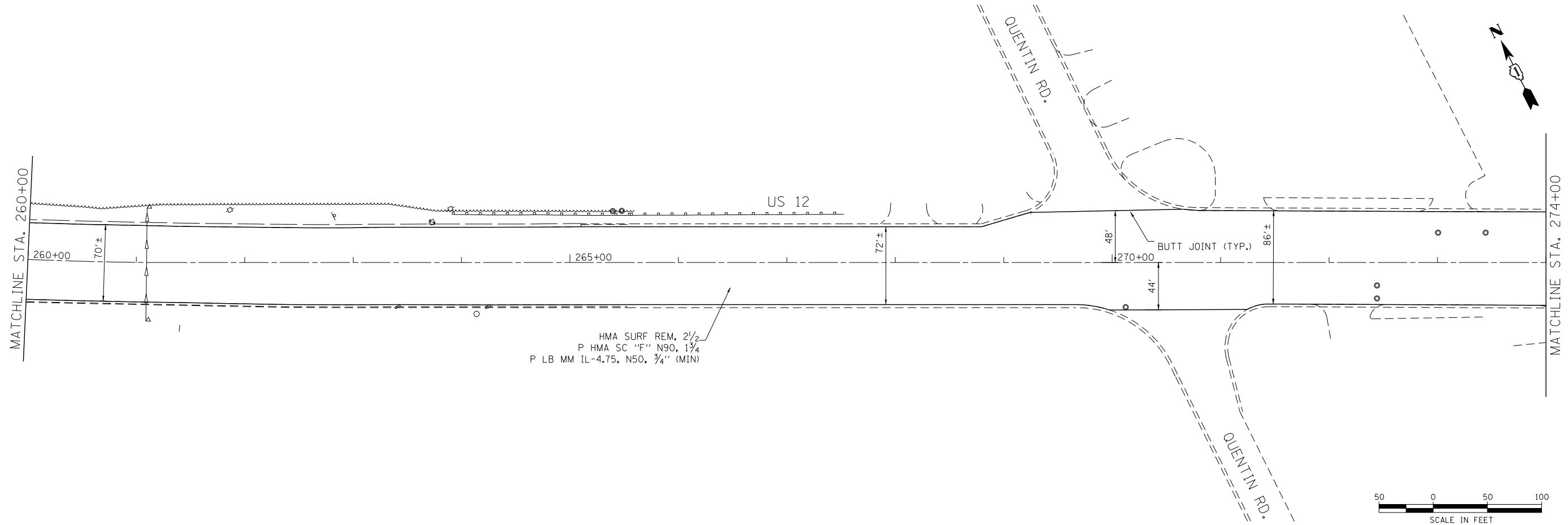
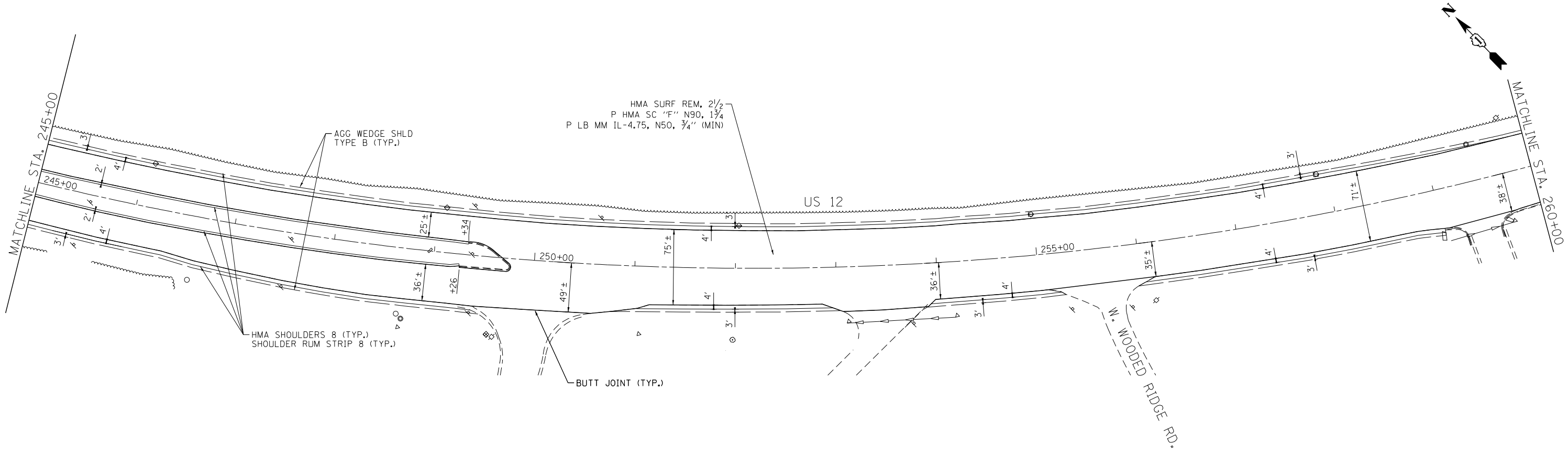
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	
SCALE: 1" = 50'	SHEET NO. 4 OF 8 SHEETS
STA. 215+00	TO STA. 245+00



F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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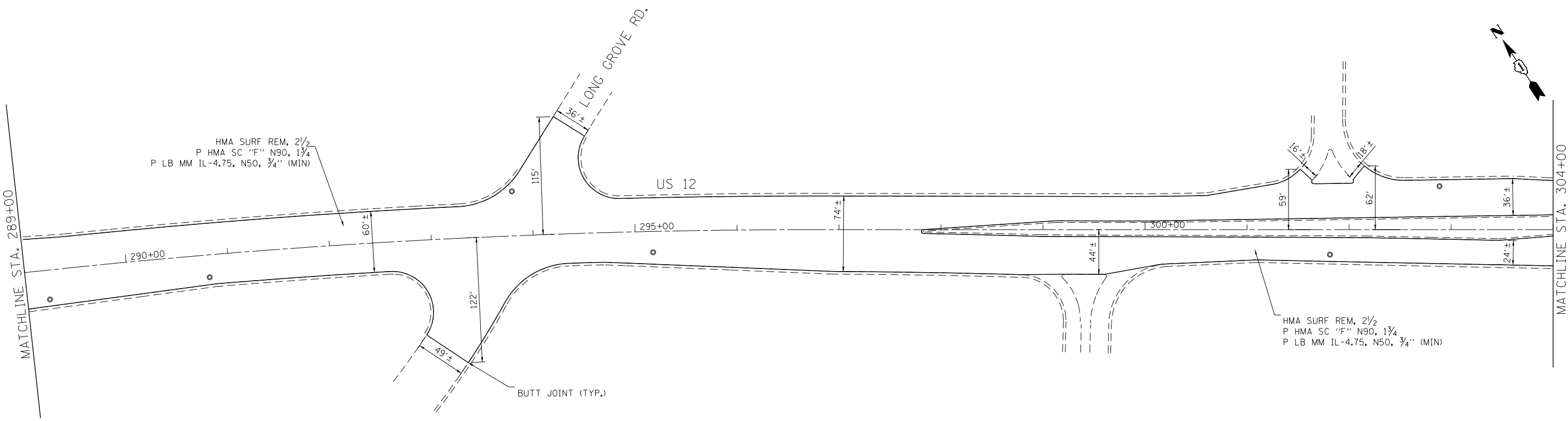
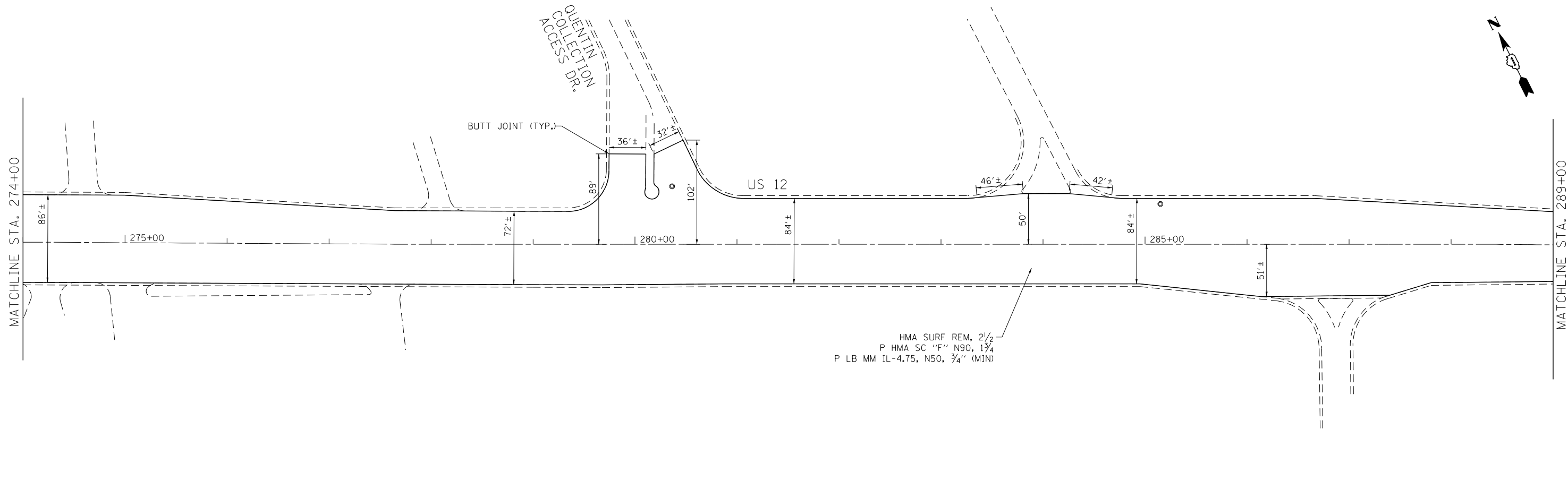
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN	
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	
SCALE: 1" = 50'	SHEET NO. 5 OF 8 SHEETS
STA. 245+00	TO STA. 274+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	





COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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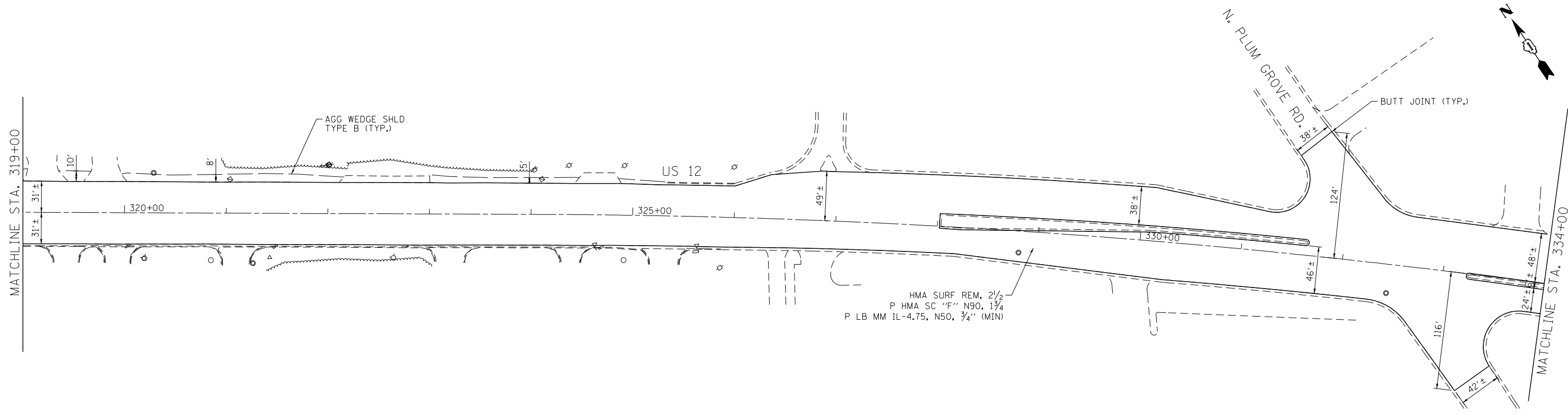
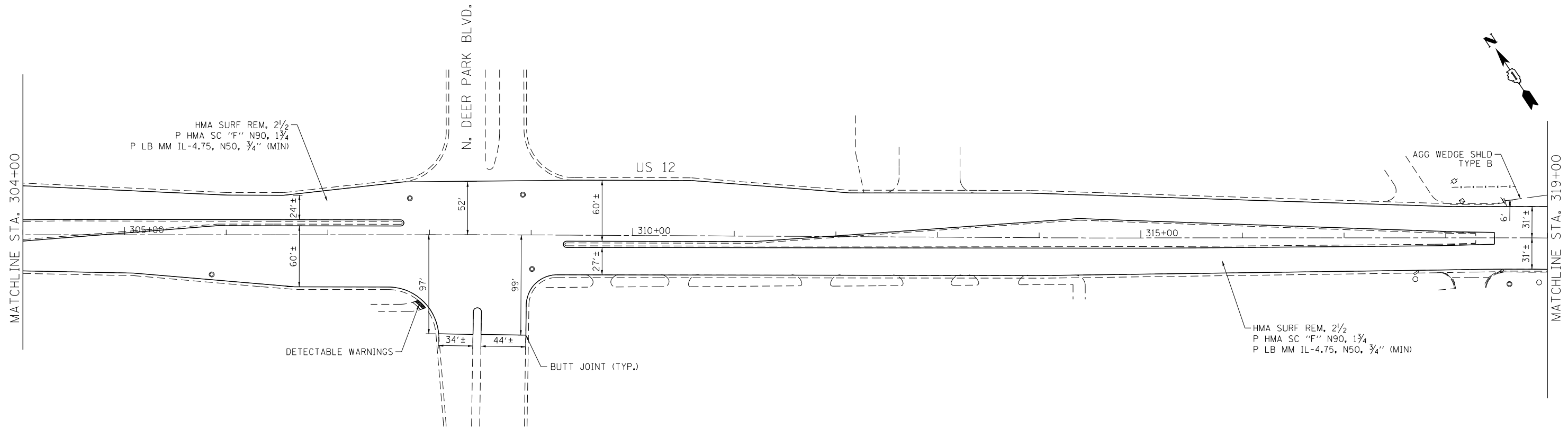
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

SCALE: 1" = 50' SHEET NO. 6 OF 8 SHEETS STA. 274+00 TO STA. 304+00



F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 10:59:44 AM
 FILE NAME: 86100196.10-plan-07.dgn
 PLOT DRIVER: pafch
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PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 1" = 50' SHEET NO. 7 OF 8 SHEETS STA. 304+00 TO STA. 334+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

HMA SURF REM, 2 1/2"
 P HMA SC "F" N90, 1 3/4"
 P LB MM IL-4.75, N50, 3/4" (MIN)

MATCHLINE STA. 334+00

MATCHLINE STA. 349+00

US 12

335+00

340+00

345+00

36'±

24'±

24'±

48'±

75'±

IMPROVEMENT ENDS
 STA. 349+55

W. LAKE COOK RD.

US 12

MATCHLINE STA. 349+00

350+00

355+00

360+00

30'±

50'±

BUTT JOINT (TYP.)

HMA SURF REM, 2 1/2"
 P HMA SC "F" N90, 1 3/4"
 P LB MM IL-4.75, N50, 3/4" (MIN)



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 5/23/2014 11:59:47 AM
 FILE NAME: 86100196.10-plan-08.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



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DESIGNED - J. ATTANASEO
 DRAWN - J. ATTANASEO
 CHECKED - T. HAMILTON
 DATE - 5/23/14

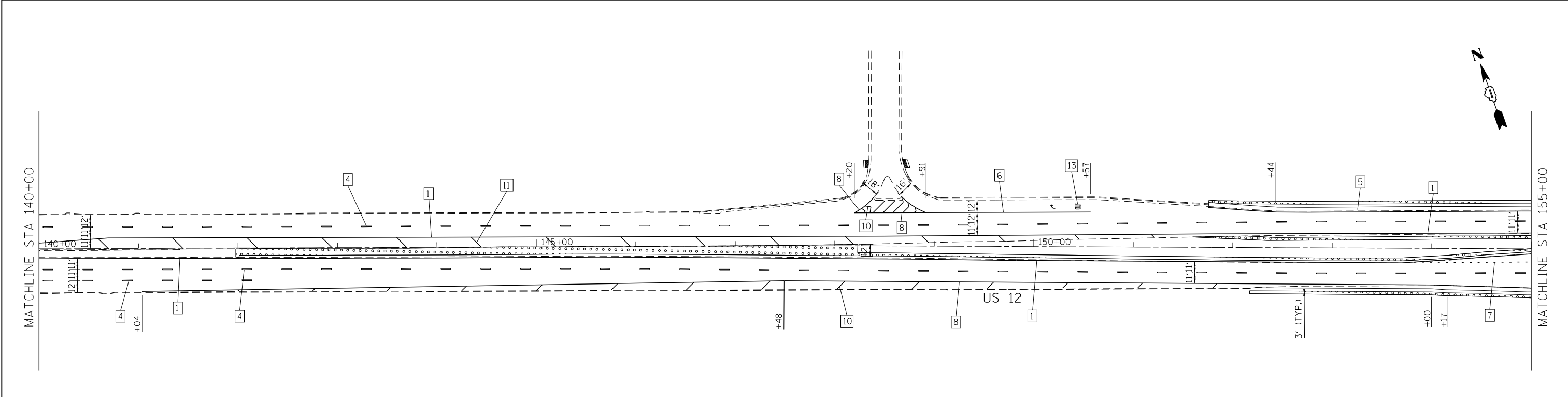
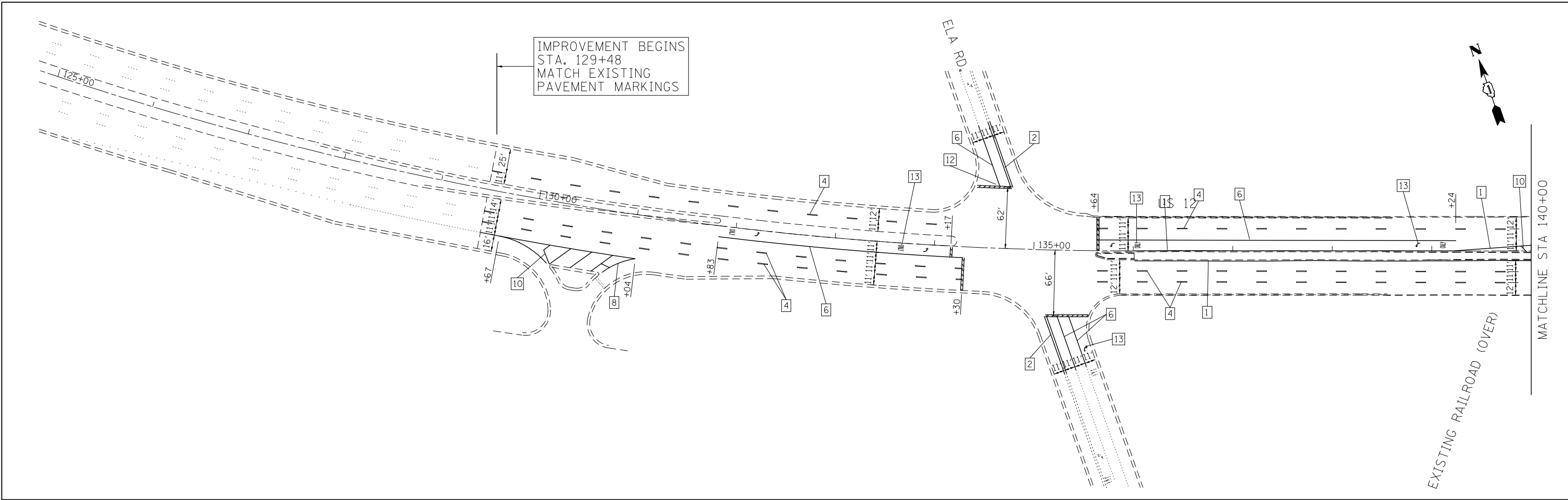
REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

SCALE: 1" = 50' SHEET NO. 8 OF 8 SHEETS STA. 334+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE SOLID LINE) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | |
| | | TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A |

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.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 10:56:53 AM
 FILE NAME: 86100196.10-pm-01.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-trans.tbl



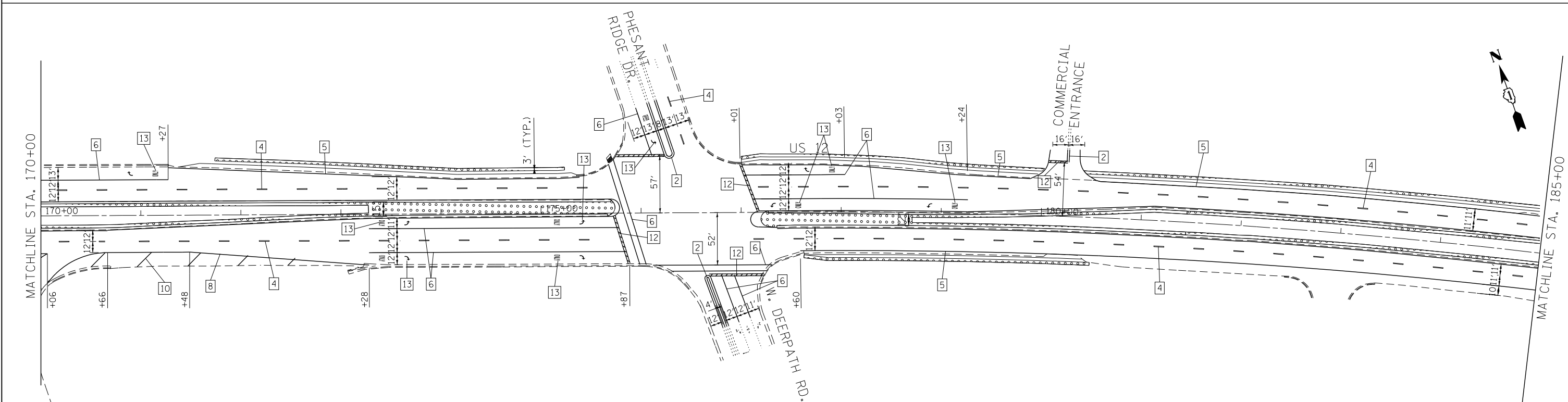
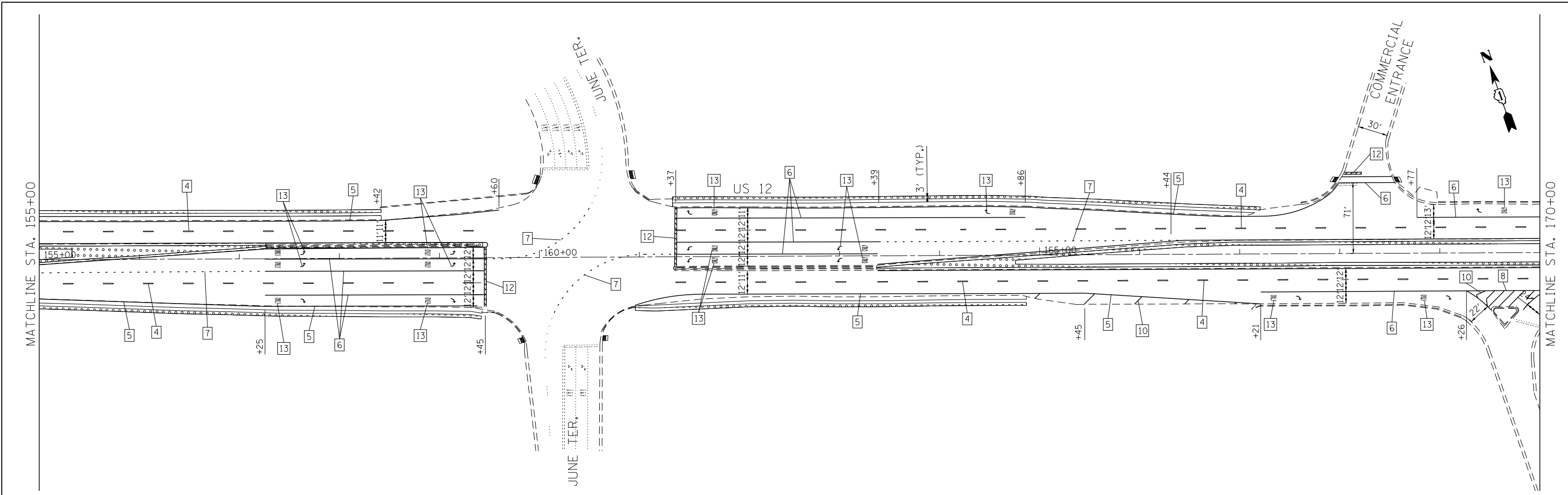
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PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RESTORATION PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 1 OF 8 SHEETS STA. BEGIN TO STA. 155+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND

- | | | |
|--|--|---|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE SOLID LINE) | 10 LINE 12" (WHITE DIAGONAL LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 11 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 LINE 24" (WHITE SOLID LINE) |
| 4 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 LINE 8" (WHITE SOLID LINE) | 13 LETTERS AND SYMBOLS (TYP.) |
| | 9 LINE 12" (WHITE SOLID LINE) | |
| | | TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A |

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.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:59:02 AM
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 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



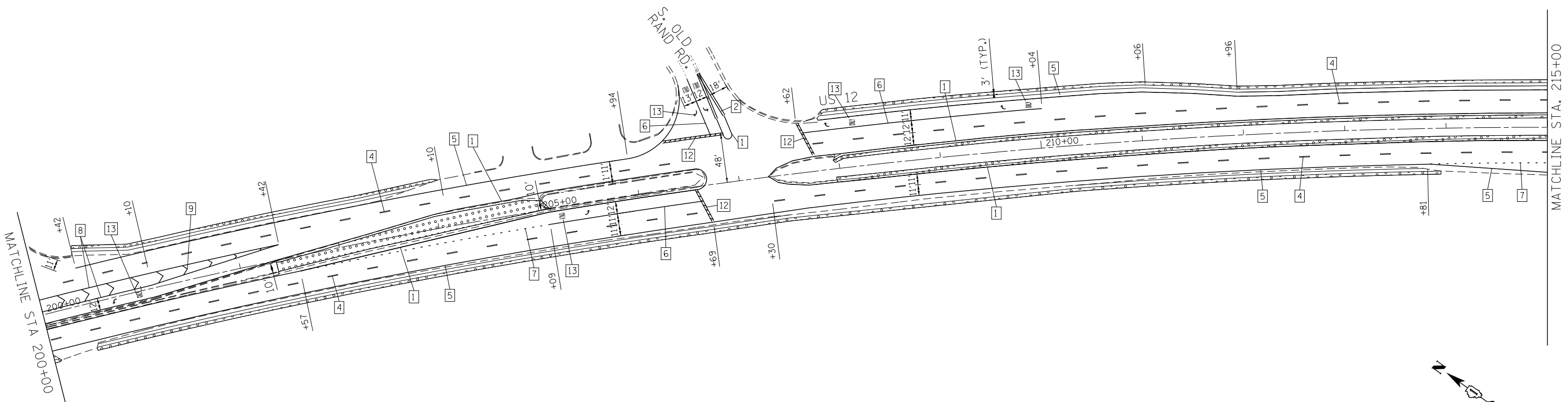
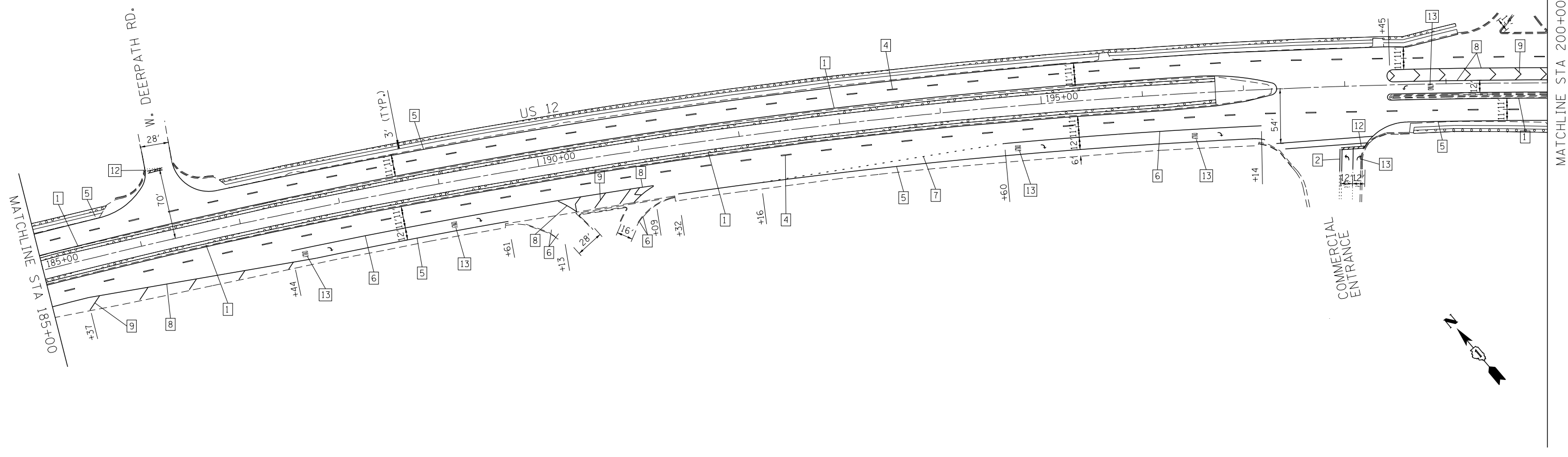
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DESIGNED - J. ATTANASEO	REVISED -
DRAWN - J. ATTANASEO	REVISED -
CHECKED - T. HAMILTON	REVISED -
DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RESTORATION PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 1" = 50' SHEET NO. 2 OF 8 SHEETS STA. 155+00 TO STA. 185+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 20
CONTRACT NO. 60N26			ILLINOIS FED. AID PROJECT	



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)
		12	LINE 24" (WHITE SOLID LINE)
		13	LETTERS AND SYMBOLS (TYP.)
			TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A

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.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:50:12 AM
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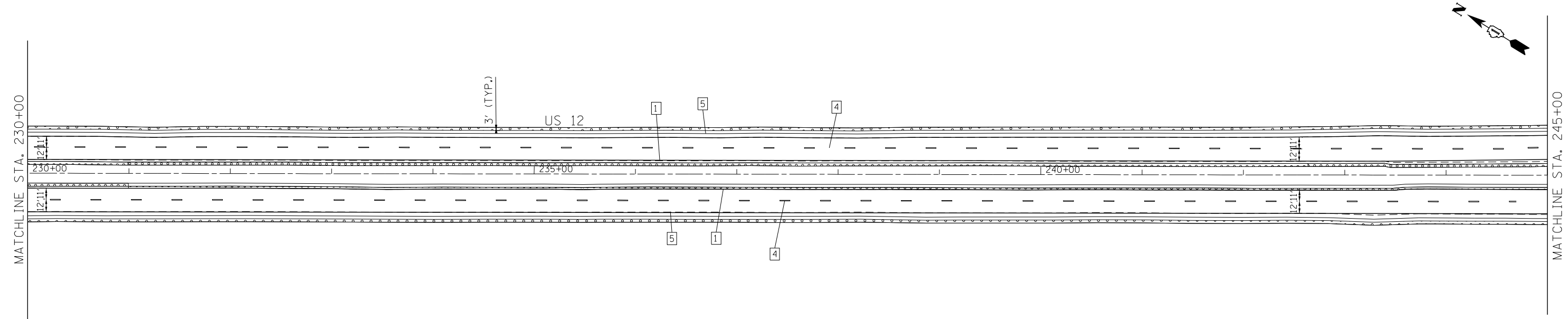
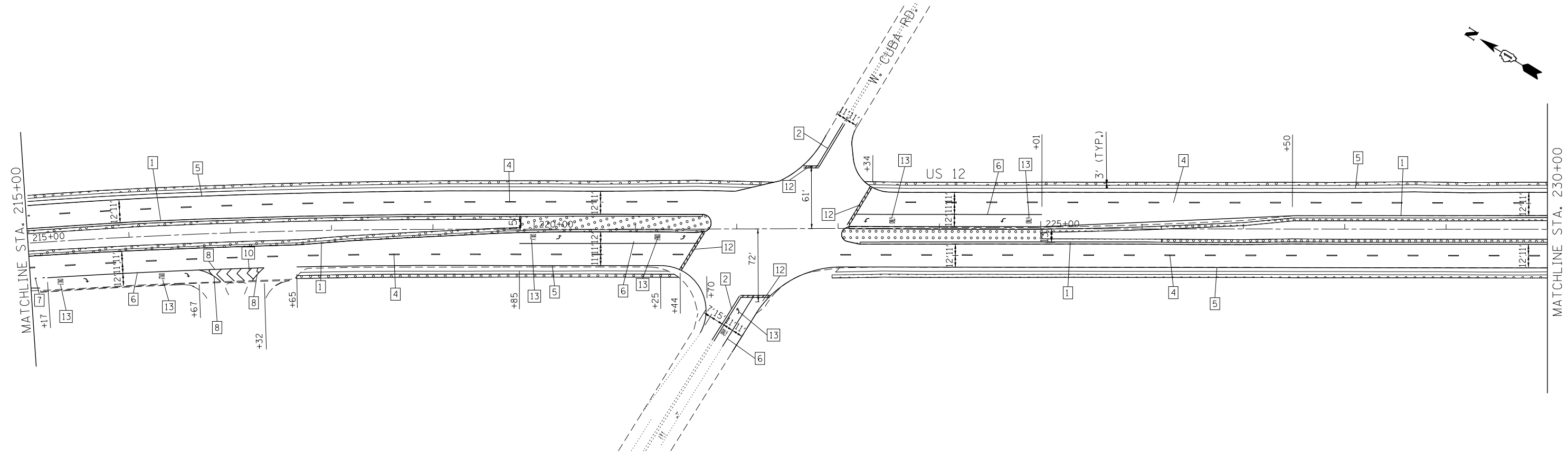


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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND RESTORATION PLAN			
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)			
SCALE: 1" = 50'	SHEET NO. 3 OF 8 SHEETS	STA. 185+00	TO STA. 215+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND		NOTES:	
1	LINE 4" (YELLOW SOLID LINE)	10	LINE 12" (WHITE DIAGONAL LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)	11	LINE 12" (YELLOW DIAGONAL LINE)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)	12	LINE 24" (WHITE SOLID LINE)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	13	LETTERS AND SYMBOLS (TYP.)
5	LINE 4" (WHITE SOLID LINE)	•••••	TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A
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)		

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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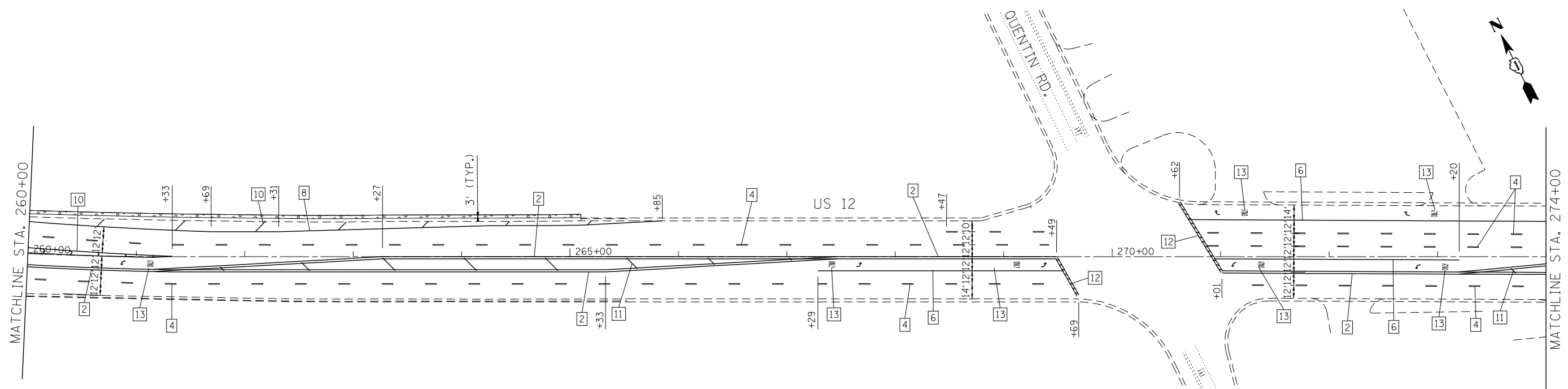
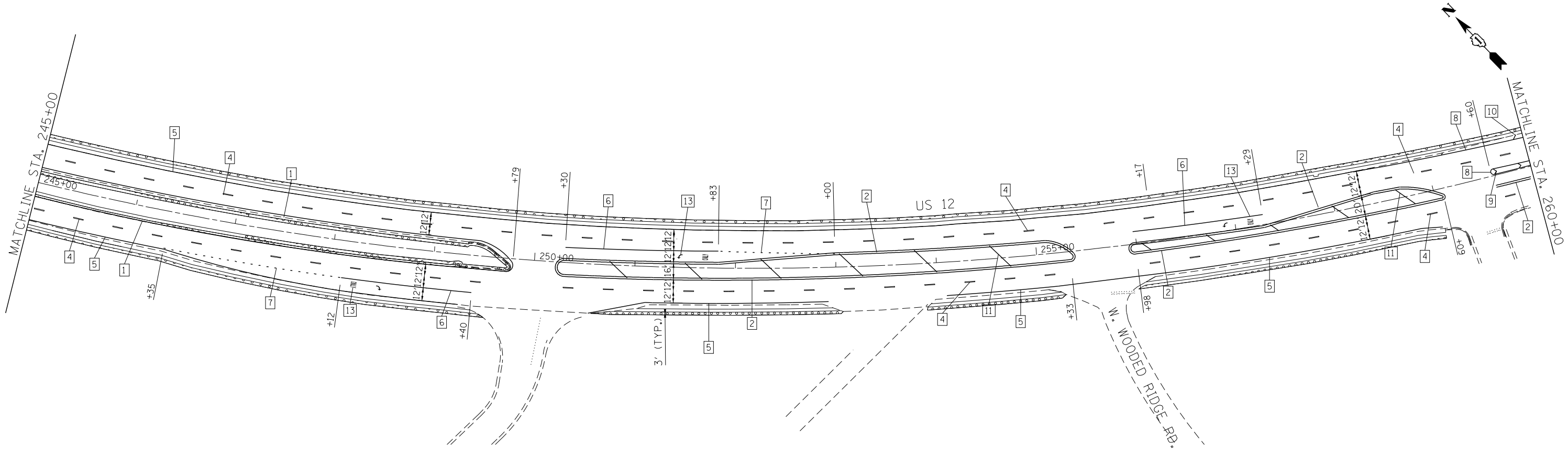


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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RESTORATION PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 1" = 50' SHEET NO. 4 OF 8 SHEETS STA. 215+00 TO STA. 245+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60N26



LEGEND					
1	LINE 4" (YELLOW SOLID LINE)	5	LINE 4" (WHITE SOLID LINE)	10	LINE 12" (WHITE DIAGONAL LINE)
2	LINE 4" (DOUBLE YELLOW SOLID LINES)	6	LINE 6" (WHITE SOLID LINE)	11	LINE 12" (YELLOW DIAGONAL LINE)
3	LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7	LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	12	LINE 24" (WHITE SOLID LINE)
4	LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8	LINE 8" (WHITE SOLID LINE)	13	LETTERS AND SYMBOLS (TYP.)
		9	LINE 12" (WHITE SOLID LINE)		
				•••••	TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A

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.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:50:33 AM
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 PEN TABLE: standard-trans.tbl



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DESIGNED - J. ATTANASEO
 DRAWN - J. ATTANASEO
 CHECKED - T. HAMILTON
 DATE - 5/23/14

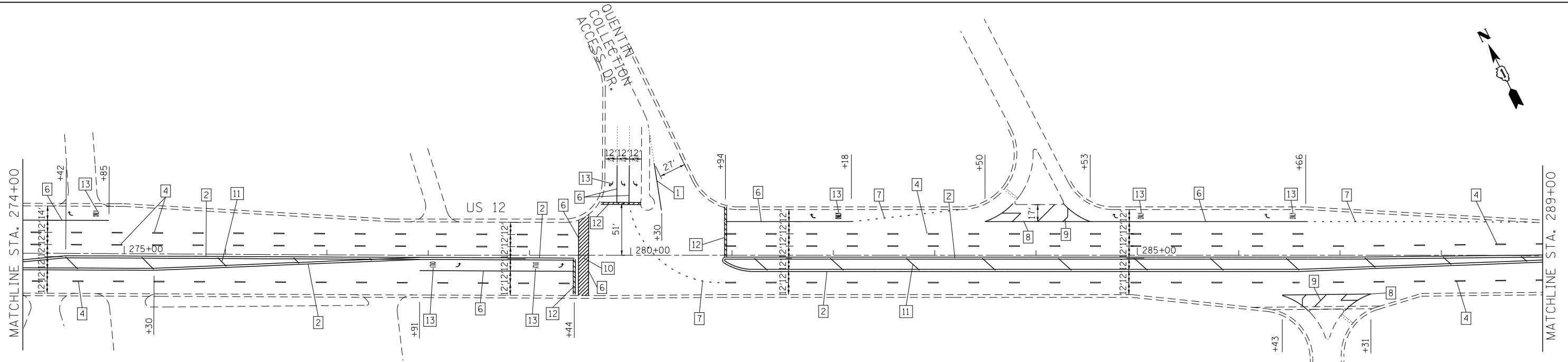
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

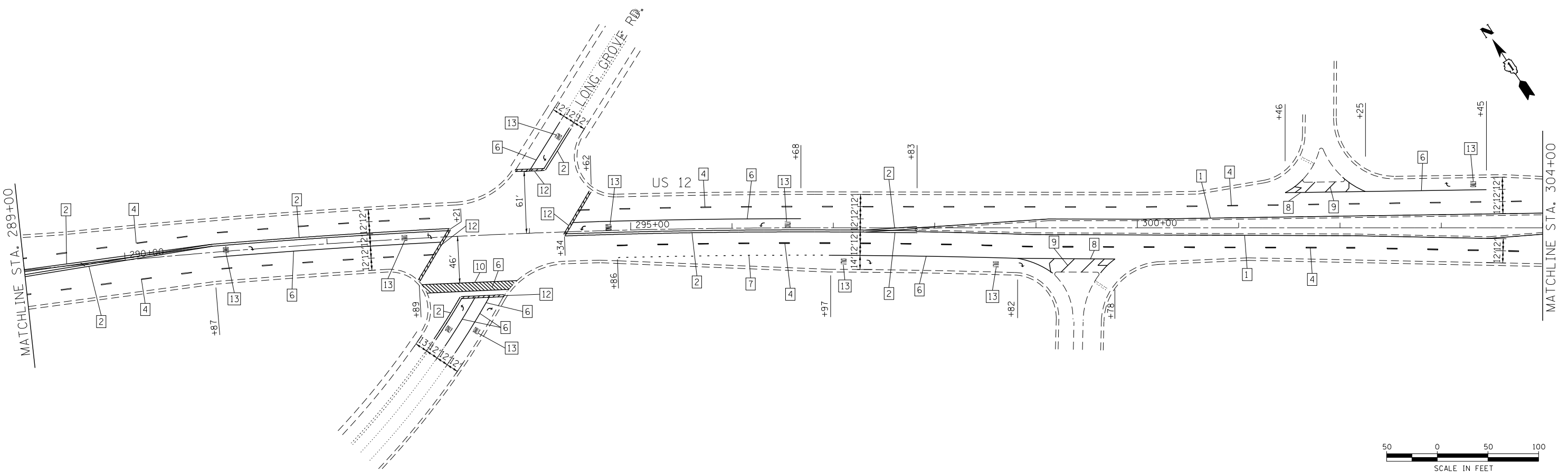
**PAVEMENT MARKING AND RESTORATION PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 5 OF 8 SHEETS STA. 245+00 TO STA. 274+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND			NOTES:	
1	LINE 4" (YELLOW SOLID LINE)	5	LINE 4" (WHITE SOLID LINE)	1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
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)	2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
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)	
		12	LINE 24" (WHITE SOLID LINE)	
		13	LETTERS AND SYMBOLS (TYP.)	
		TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A		



COMPANY NAME: HRGreen
 PROJECT CONTACT: J. ATTANASEO
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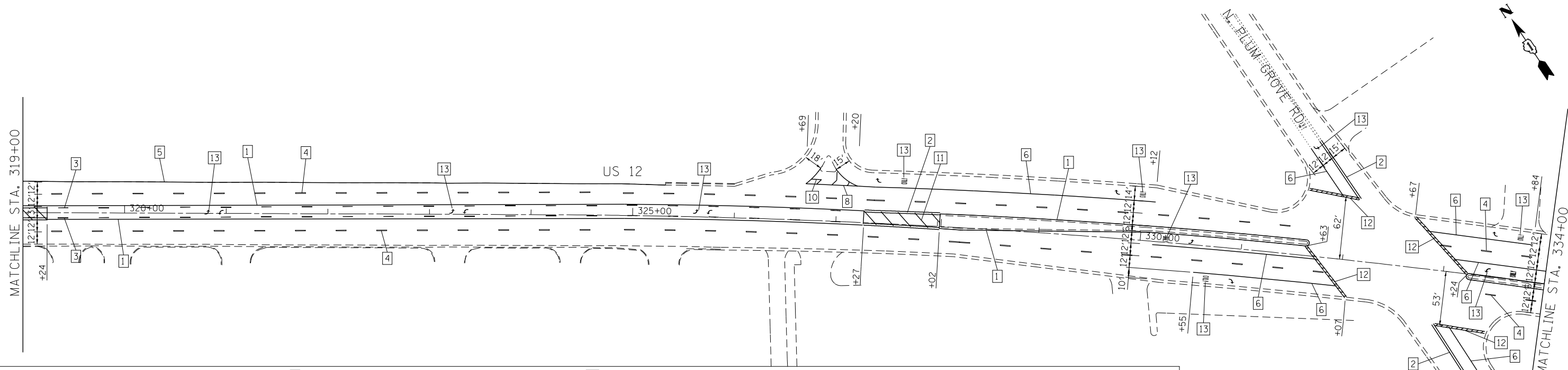
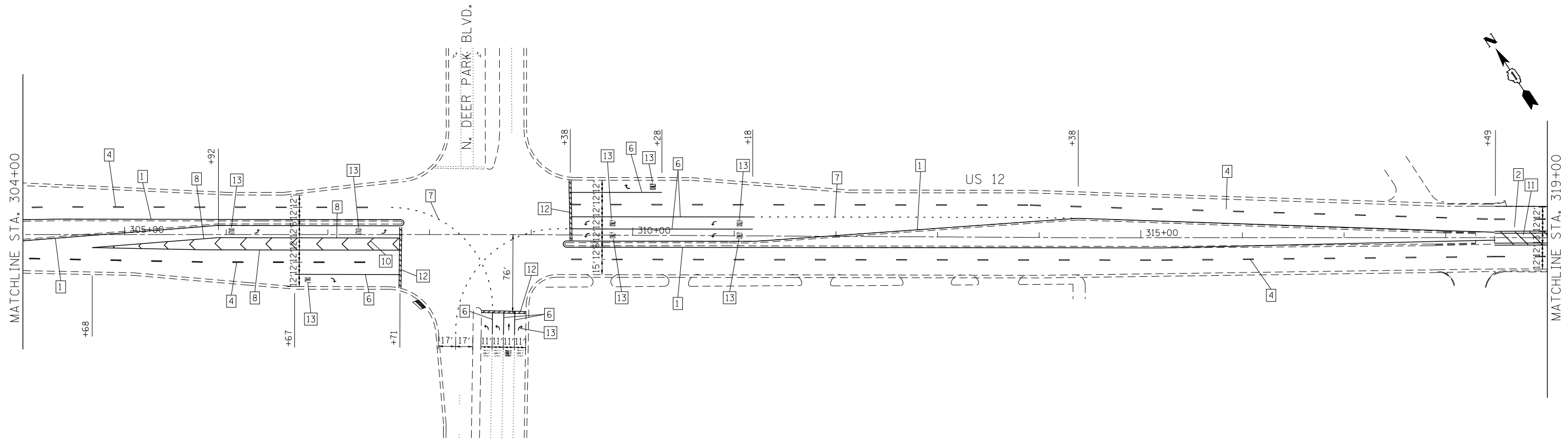
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PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RESTORATION PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 1" = 50' SHEET NO. 6 OF 8 SHEETS STA. 274+00 TO STA. 304+00

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	





LEGEND

- | | | | | | |
|---|--|---|--|----|---------------------------------|
| 1 | LINE 4" (YELLOW SOLID LINE) | 5 | LINE 4" (WHITE SOLID LINE) | 10 | LINE 12" (WHITE DIAGONAL LINE) |
| 2 | LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 | LINE 6" (WHITE SOLID LINE) | 11 | LINE 12" (YELLOW DIAGONAL LINE) |
| 3 | LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 | LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 12 | LINE 24" (WHITE SOLID LINE) |
| 4 | LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 8 | LINE 8" (WHITE SOLID LINE) | 13 | LETTERS AND SYMBOLS (TYP.) |
| | | 9 | LINE 12" (WHITE SOLID LINE) | | |

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.

TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:50:45 AM
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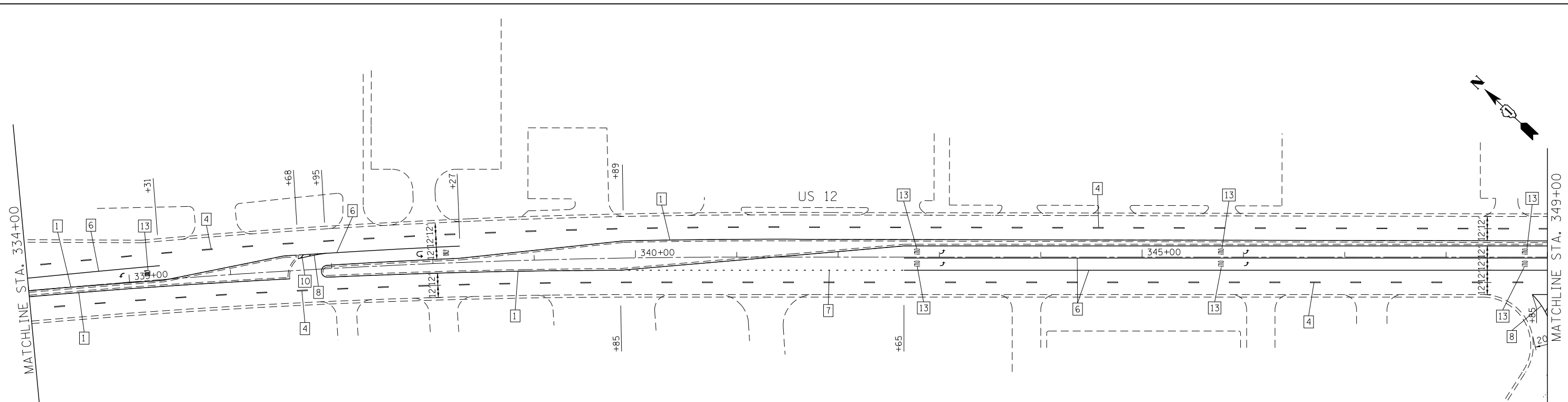


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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

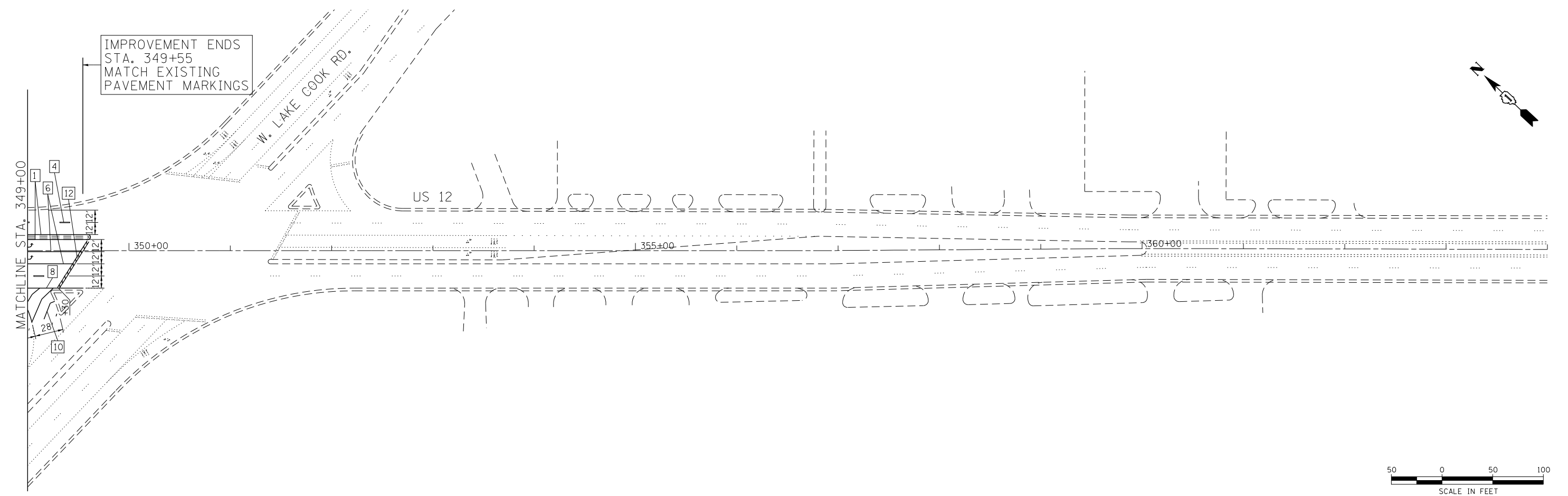
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RESTORATION PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 1" = 50' SHEET NO. 7 OF 8 SHEETS STA. 304+00 TO STA. 334+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND			NOTES:	
1	LINE 4" (YELLOW SOLID LINE)	5	LINE 4" (WHITE SOLID LINE)	1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
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)	2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11.
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)	
		12	LINE 24" (WHITE SOLID LINE)	
		13	LETTERS AND SYMBOLS (TYP.)	
		TOPSOIL, FURNISH AND PLACE 4" & SEEDING, CLASS 2A		



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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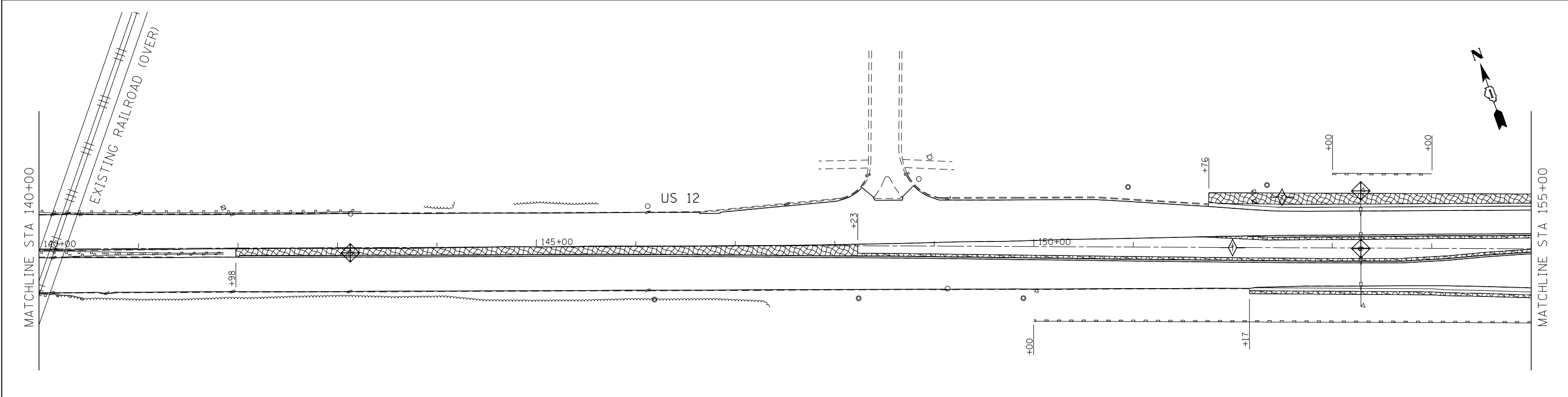
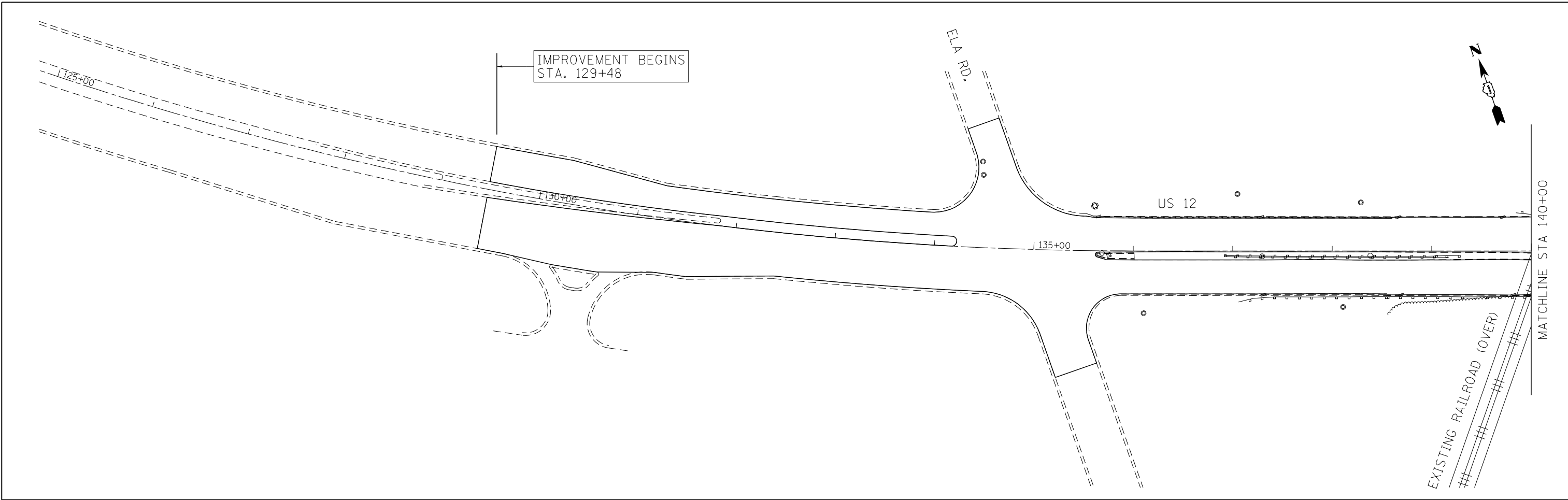


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PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RESTORATION PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 1" = 50' SHEET NO. 8 OF 8 SHEETS STA. 334+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	26
CONTRACT NO. 60N26				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

- PERIMETER EROSION BARRIER (FT)
- INLET FILTERS (EA)
- TEMPORARY DITCH CHECK (FT)
- TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:29:56 AM
 FILE NAME: 86100196.10-eros-01.dgn
 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl



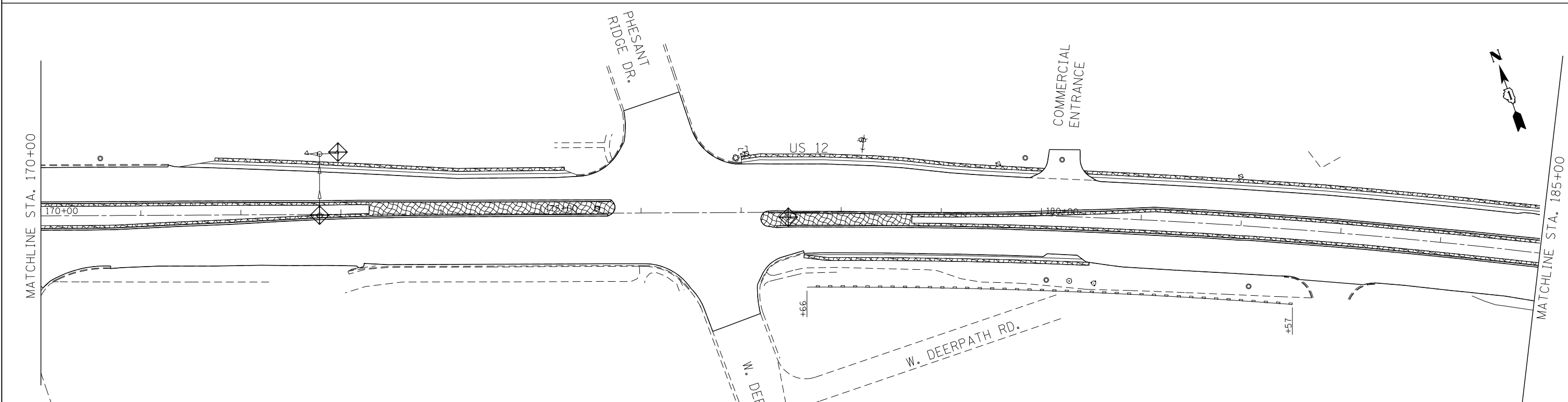
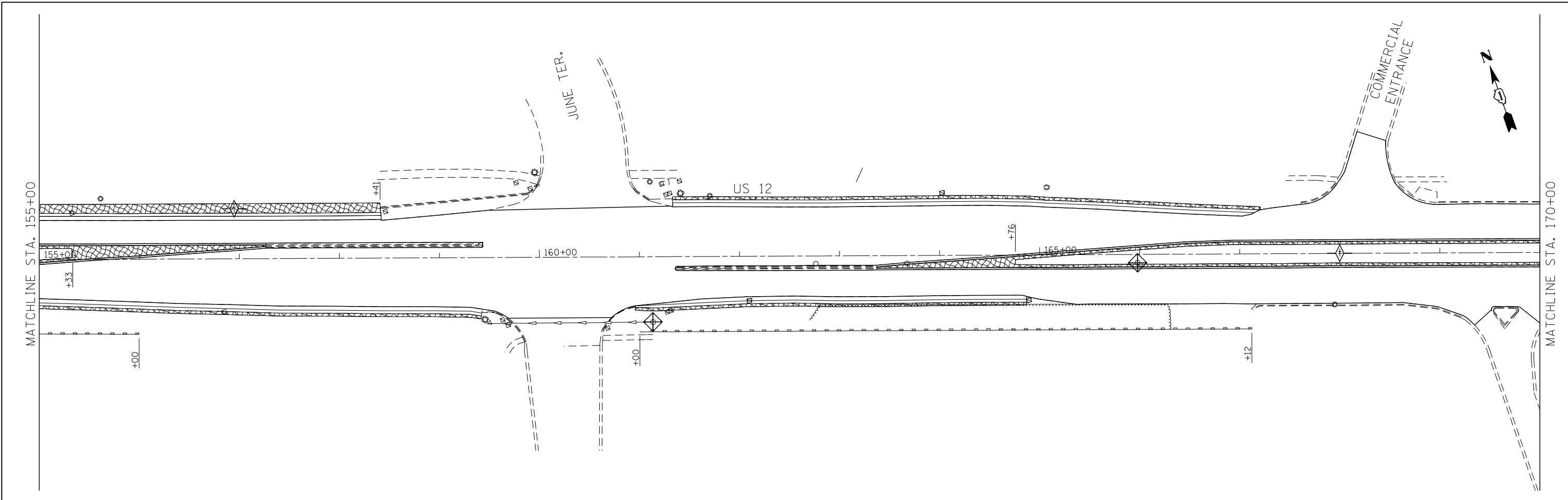
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FILE NAME = 86100196.10-eros-01.dgn	DRAWN - J. ATTANASEO	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 1 OF 8 SHEETS STA. BEGIN TO STA. 155+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	27
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60N26



LEGEND

- PERIMETER EROSION BARRIER (FT)
- INLET FILTERS (EA)
- TEMPORARY DITCH CHECK (FT)
- TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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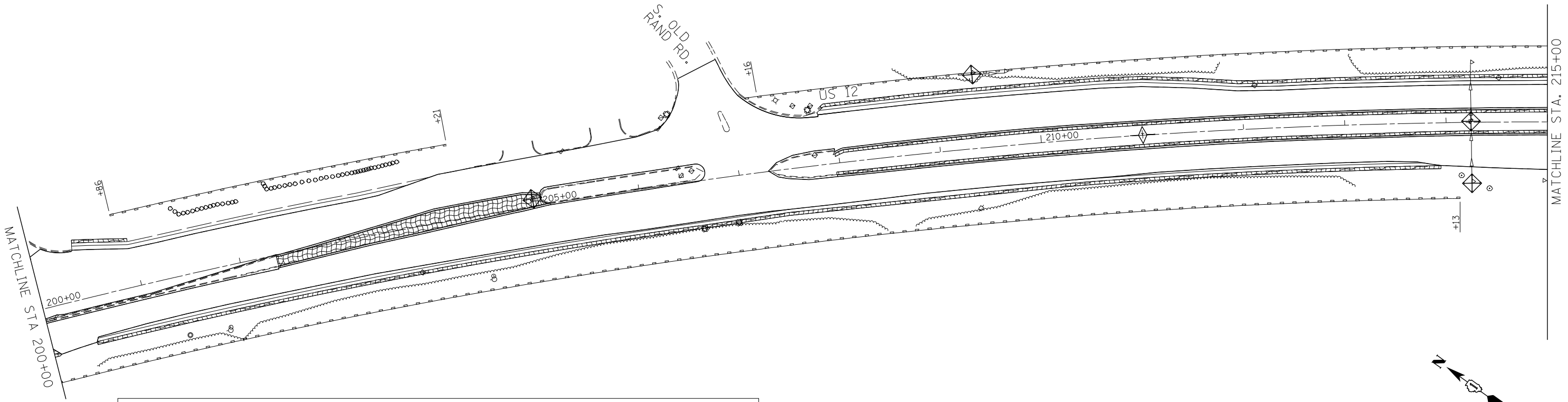
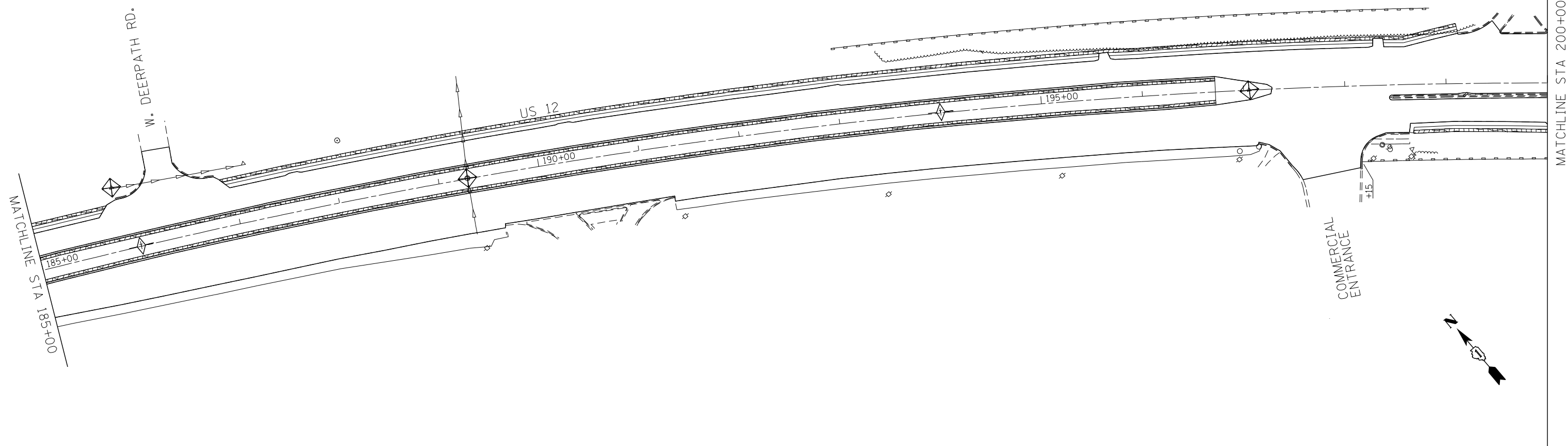


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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 1" = 50' SHEET NO. 2 OF 8 SHEETS STA. 155+00 TO STA. 185+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND			
	PERIMETER EROSION BARRIER (FT)		TEMPORARY DITCH CHECK (FT)
	INLET FILTERS (EA)		TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. ATTANASEO
 DATE PLOTTED: 5/23/2014 11:28:13 AM
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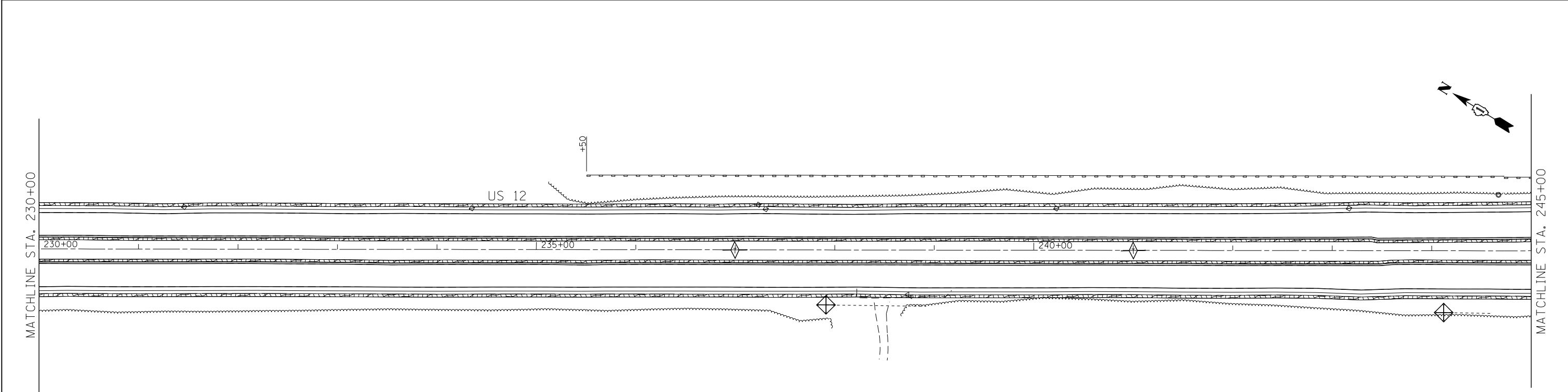
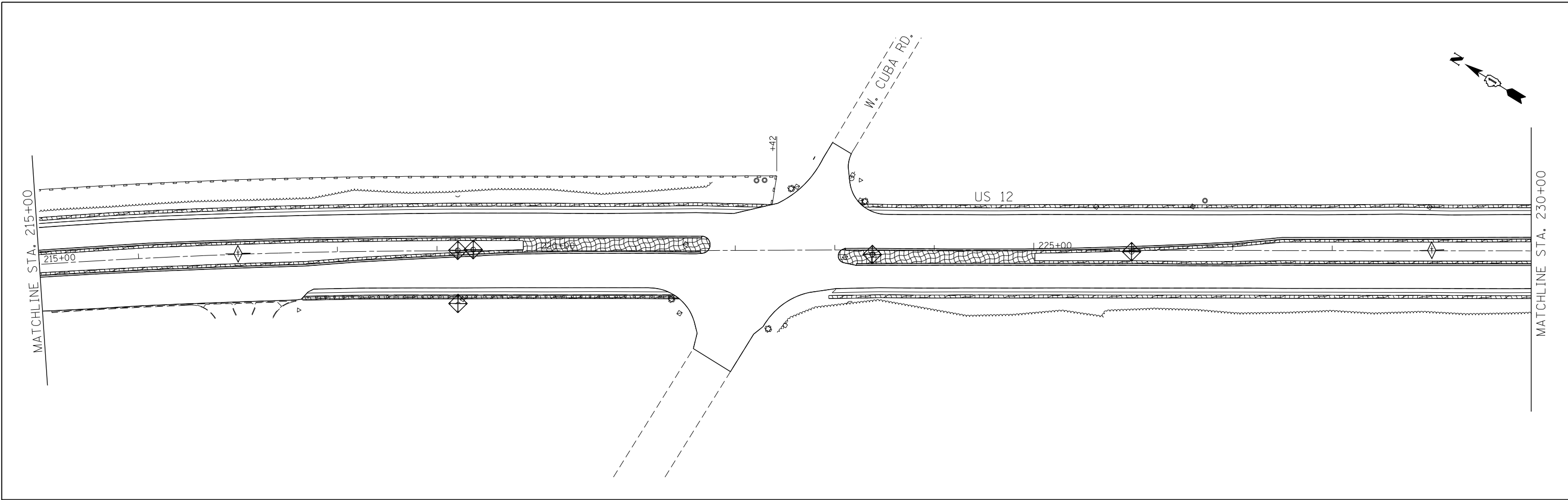
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 3 OF 8 SHEETS STA. 185+00 TO STA. 215+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	29
CONTRACT NO. 60N26				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

- PERIMETER EROSION BARRIER (FT)
- INLET FILTERS (EA)
- TEMPORARY DITCH CHECK (FT)
- TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



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



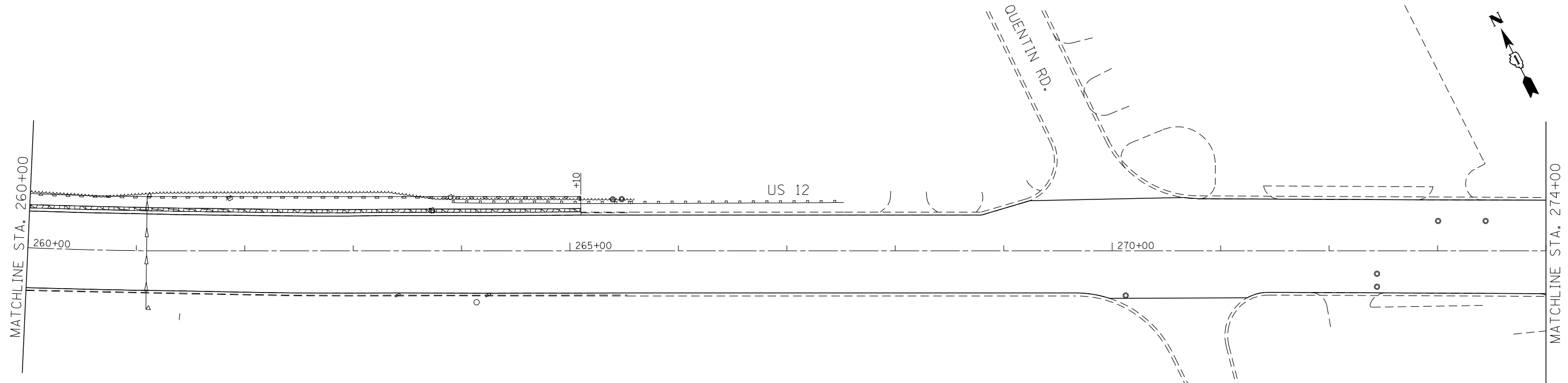
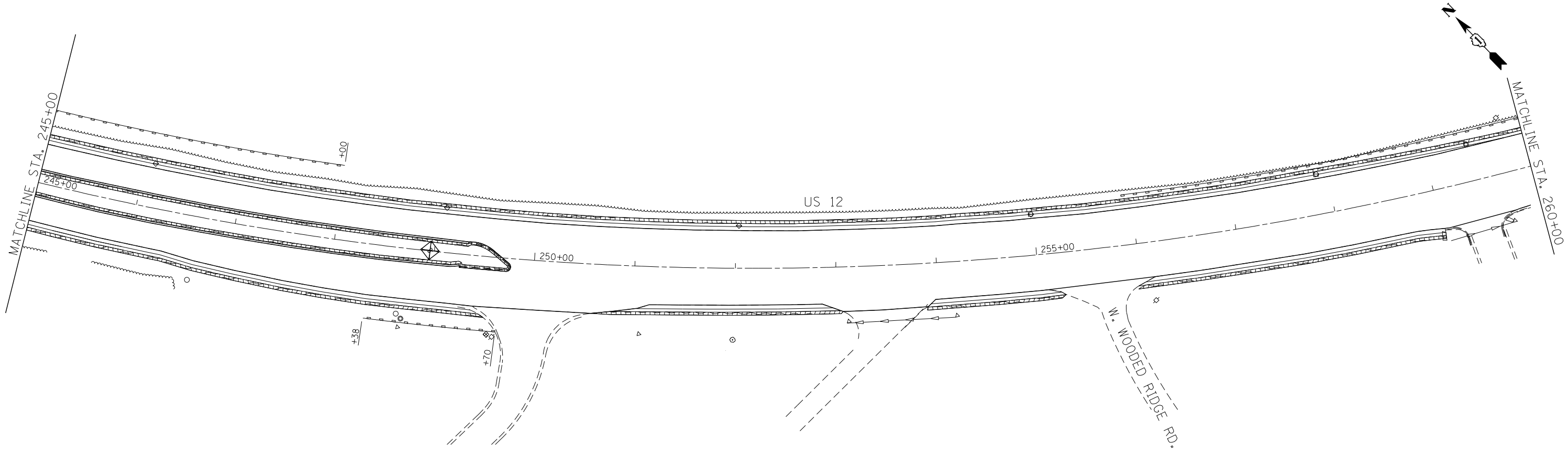
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 4 OF 8 SHEETS STA. 215+00 TO STA. 245+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND			
	PERIMETER EROSION BARRIER (FT)		TEMPORARY DITCH CHECK (FT)
	INLET FILTERS (EA)		TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:29:35 AM
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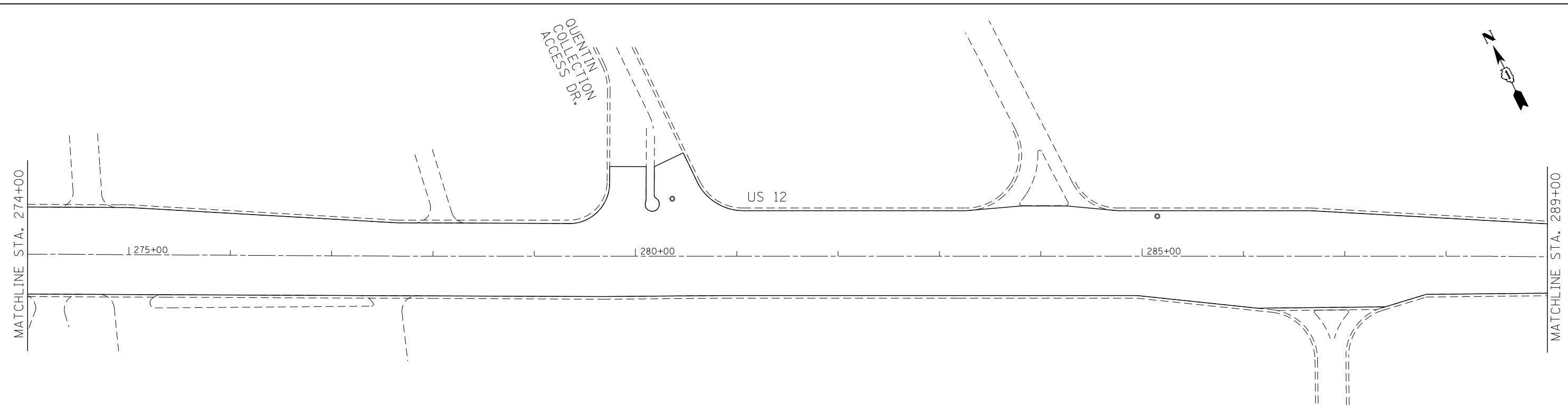
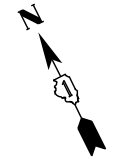


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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

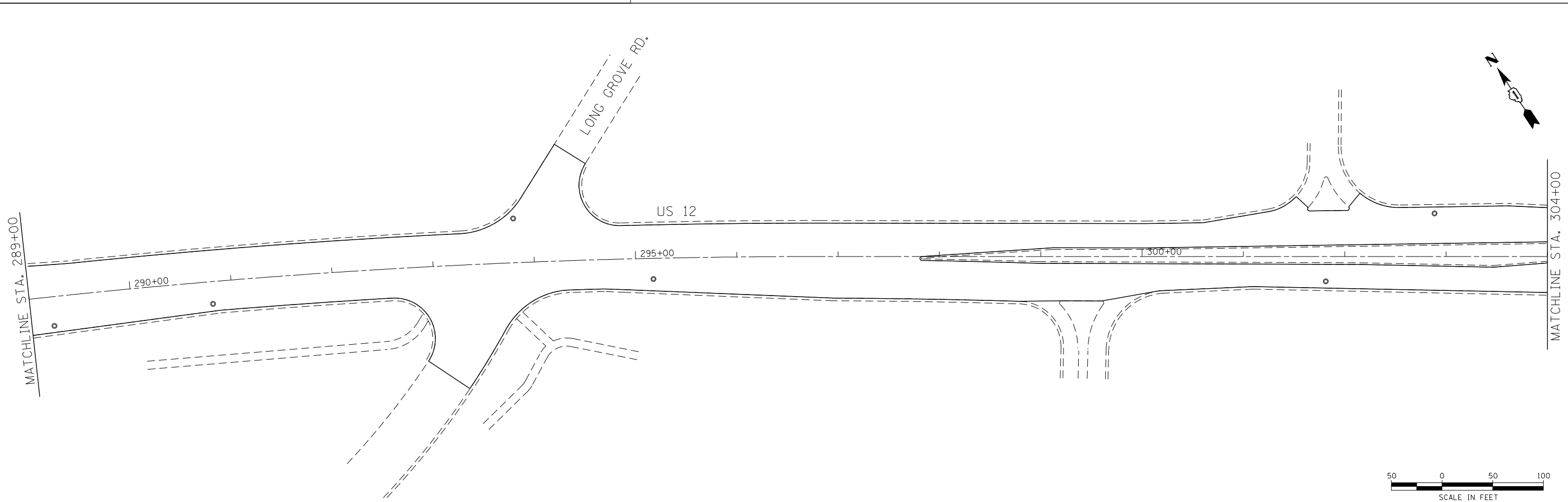
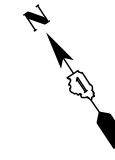
**EROSION CONTROL PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 1" = 50' SHEET NO. 5 OF 8 SHEETS STA. 245+00 TO STA. 274+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND

- PERIMETER EROSION BARRIER (FT)
- INLET FILTERS (EA)
- TEMPORARY DITCH CHECK (FT)
- TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



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



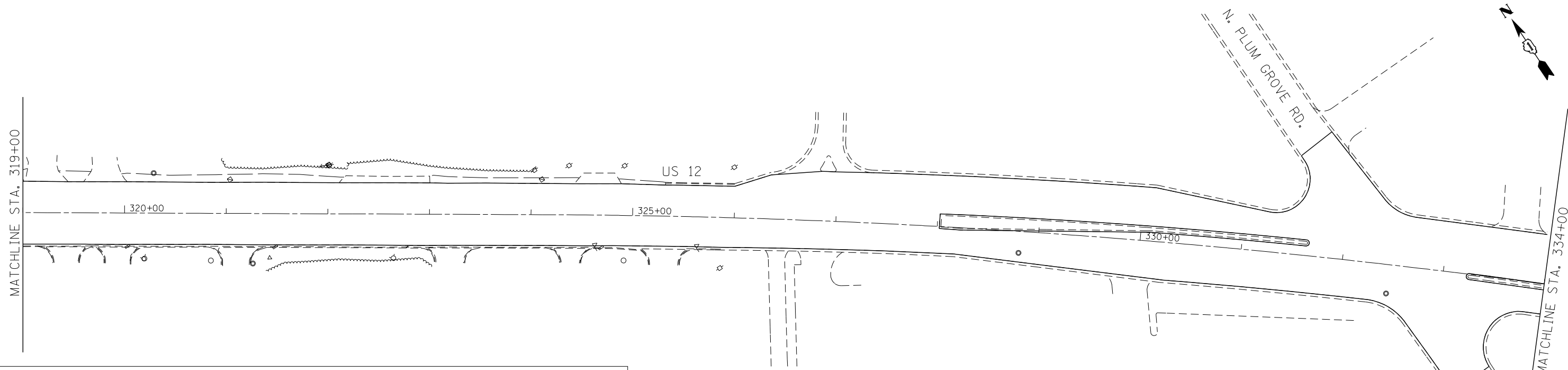
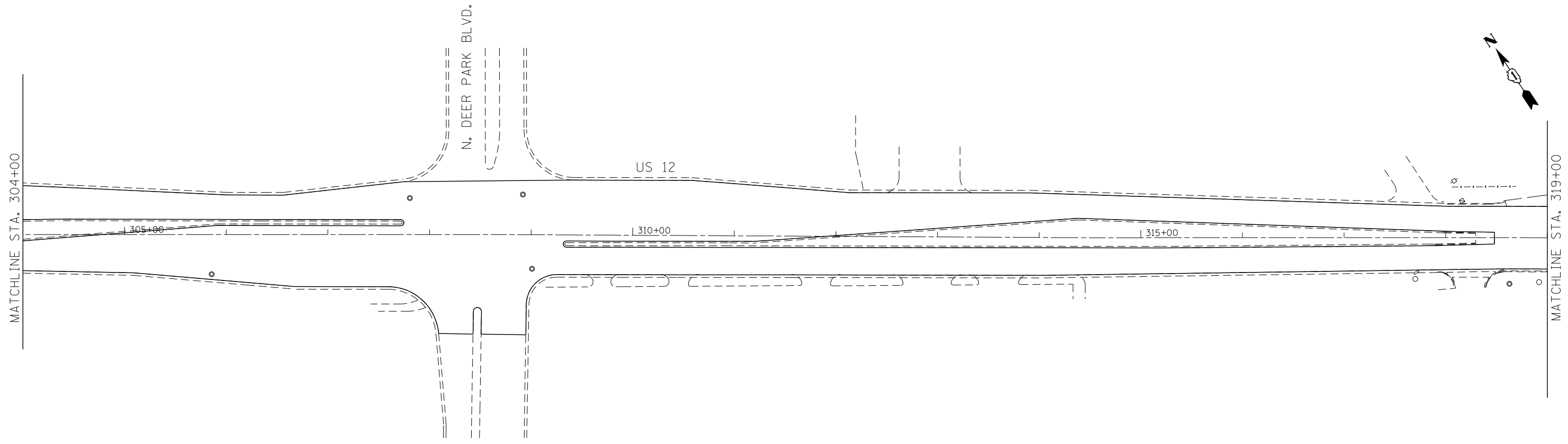
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 6 OF 8 SHEETS STA. 274+00 TO STA. 304+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND

	PERIMETER EROSION BARRIER (FT)		TEMPORARY DITCH CHECK (FT)
	INLET FILTERS (EA)		TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
 DATE PLOTTED: 5/23/2014 11:29:45 AM
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 PEN TABLE: standard-trans.tbl



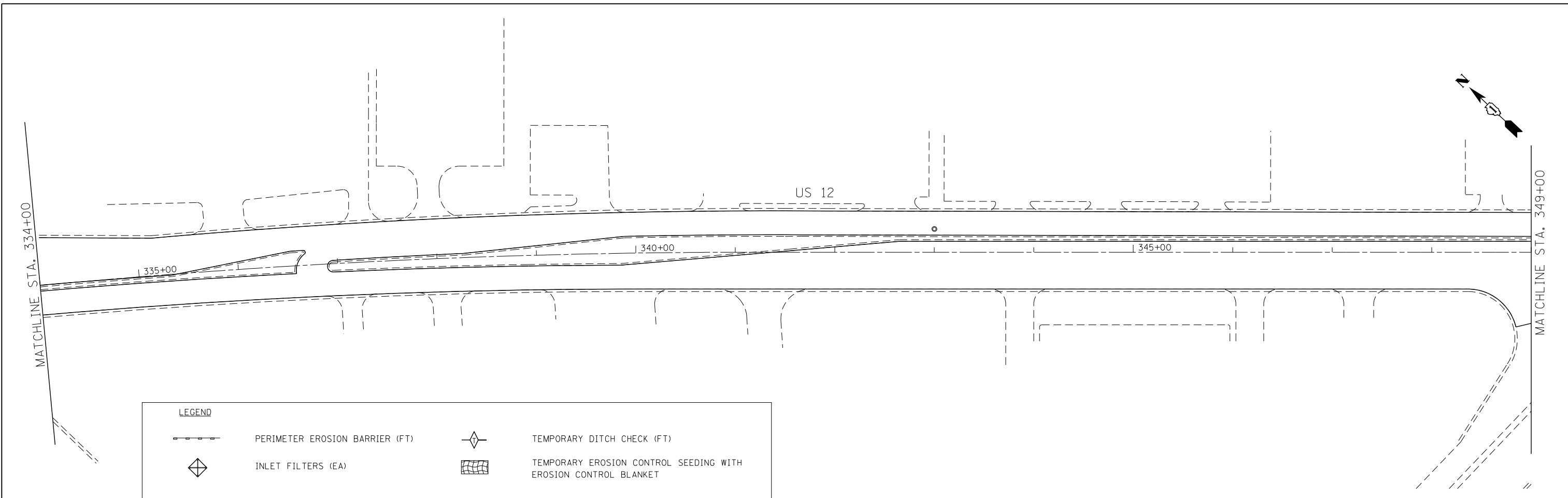
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PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

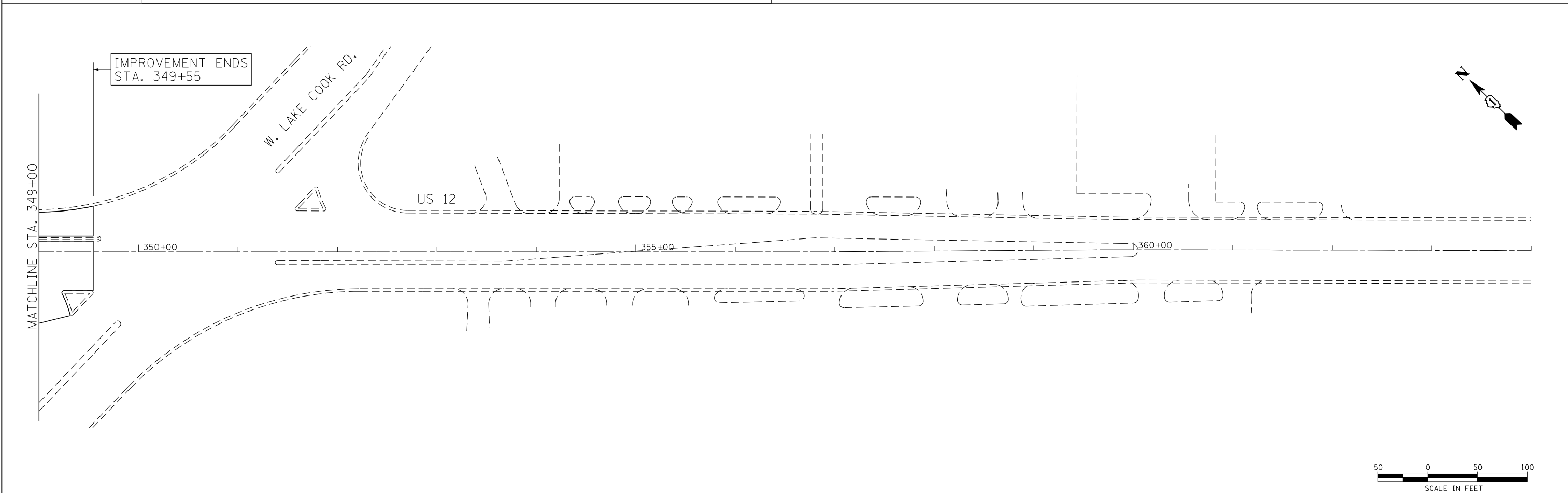
**EROSION CONTROL PLAN
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

SCALE: 1" = 50' SHEET NO. 7 OF 8 SHEETS STA. 304+00 TO STA. 334+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	



LEGEND			
	PERIMETER EROSION BARRIER (FT)		TEMPORARY DITCH CHECK (FT)
	INLET FILTERS (EA)		TEMPORARY EROSION CONTROL SEEDING WITH EROSION CONTROL BLANKET



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:29:48 AM
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 PLOT DRIVER: pafplot
 PEN TABLE: standard-trans.tbl



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PLOT SCALE = 1" = 50'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

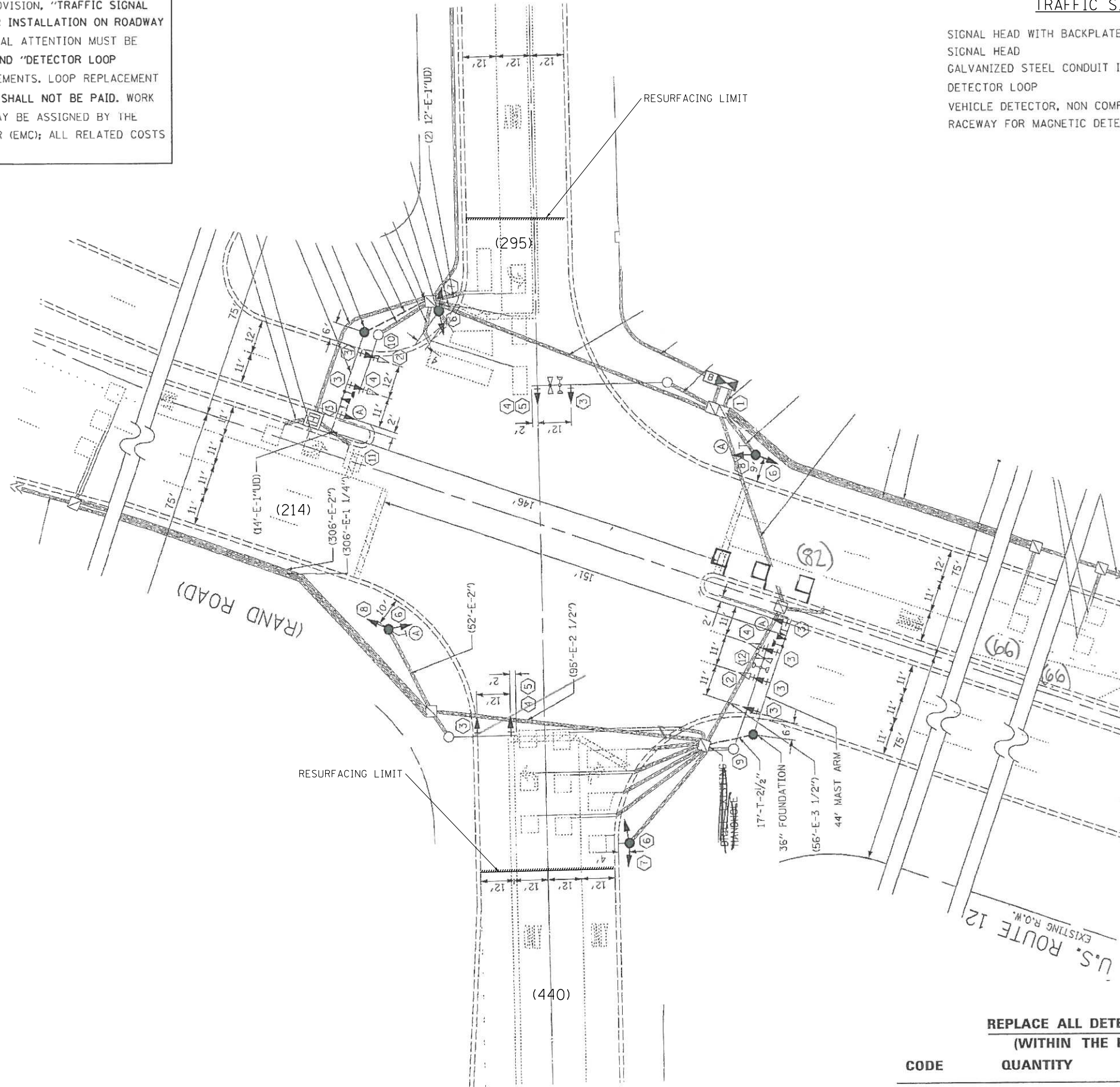
EROSION CONTROL PLAN US ROUTE 12 (ELA RD. TO LAKE COOK RD.)			
SCALE: 1" = 50'	SHEET NO. 8 OF 8 SHEETS	STA. 334+00	TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL 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.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**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
88600600	1,163	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:29:51 AM
 FILE NAME: 86100196.00-loop-01.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-trans.tbl



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PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
US ROUTE 12 AT ELA ROAD**

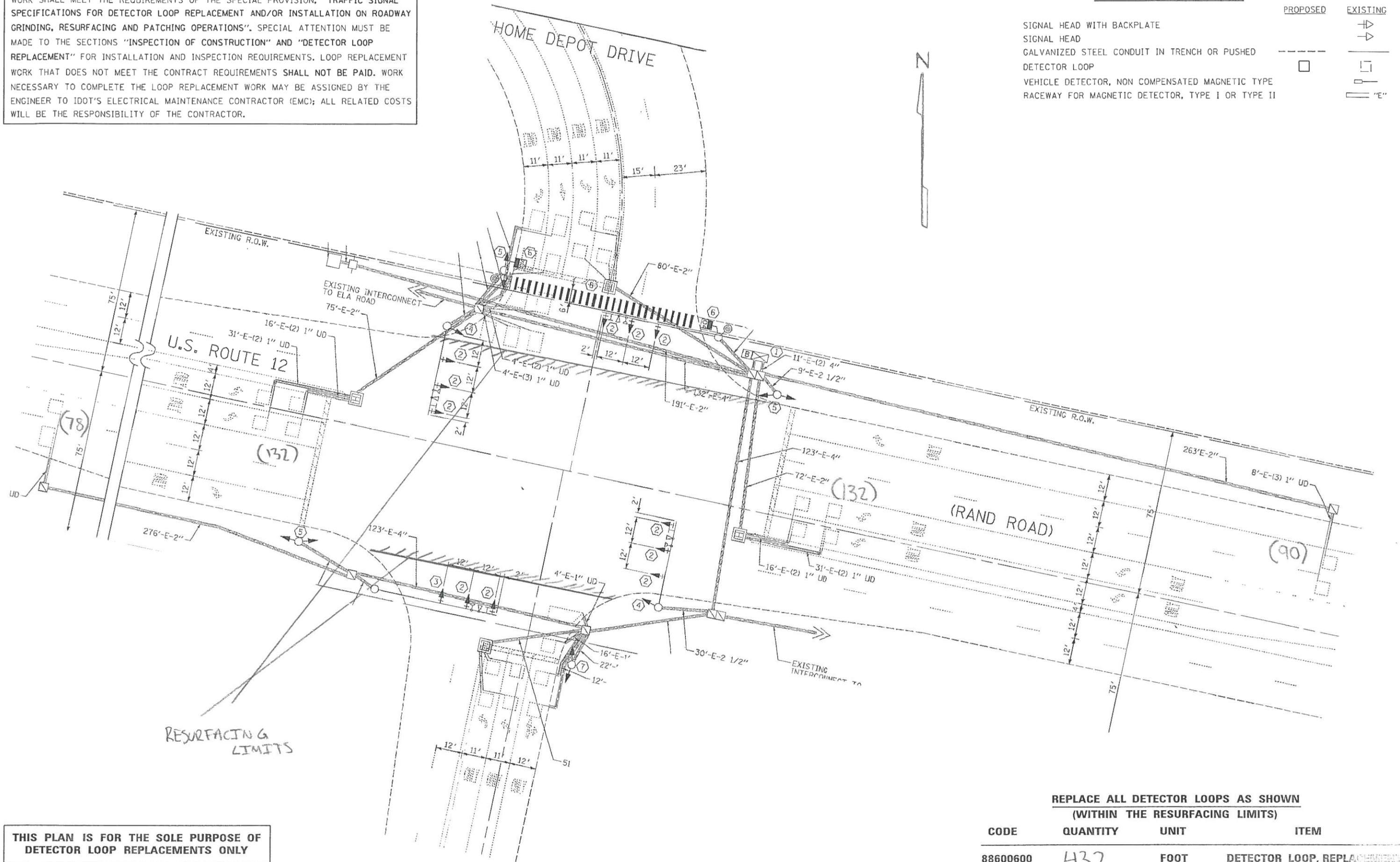
SCALE: 1" = 20' SHEET NO. 1 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



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
88600600	432	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:29:00 AM
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 PLOT DRIVER: pdef.plt
 PEN TABLE: standard-trans.tbl



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PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
 US ROUTE 12 AT JUNE TERRACE**

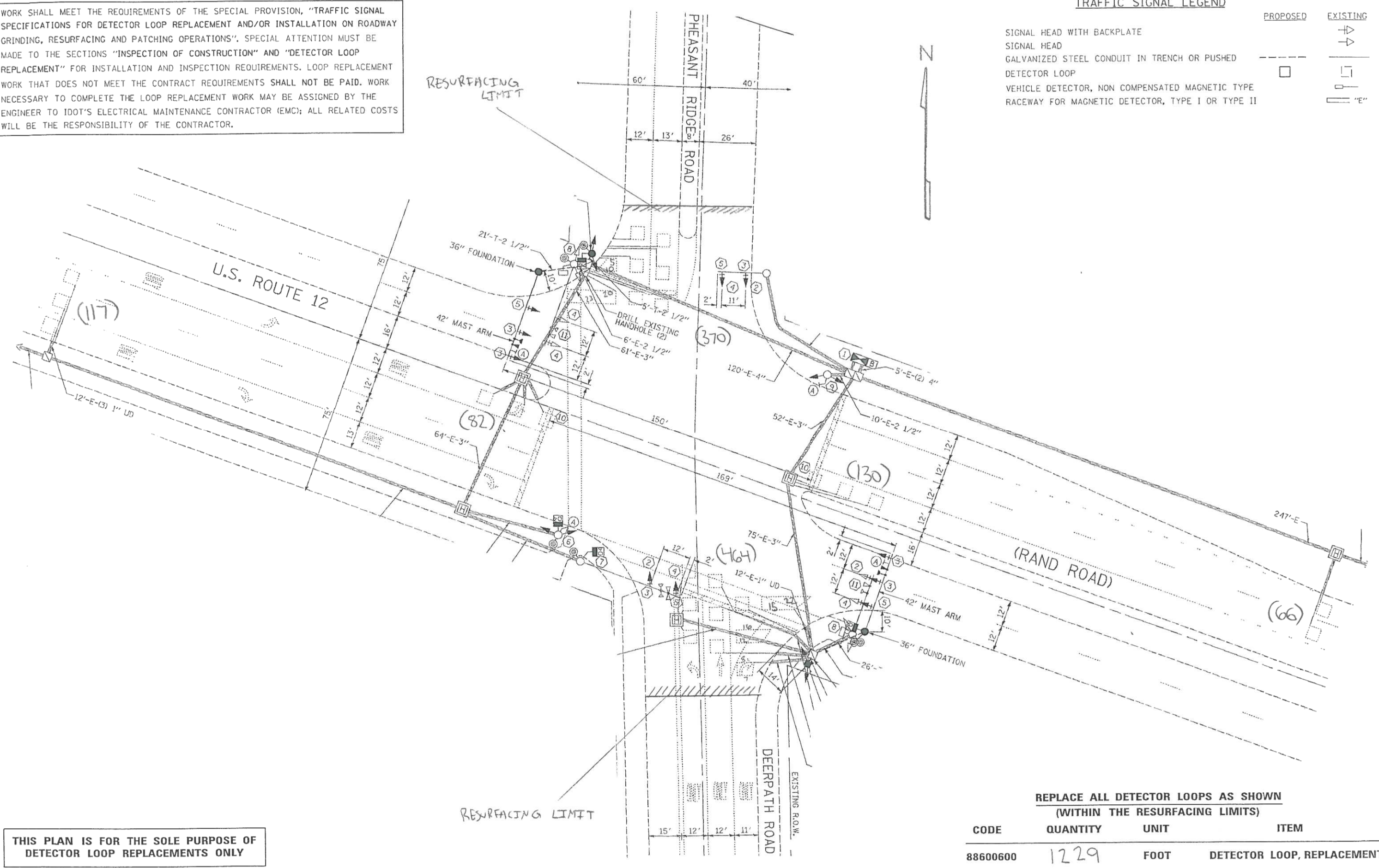
SCALE: 1" = 20' SHEET NO. 2 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 36
CONTRACT NO. 60N26			ILLINOIS FED. AID PROJECT	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL 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.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



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
88600600	1229	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:22:10 AM
 FILE NAME: 8610019610-deep-01.dgn
 PLOT DRIVER: pafch
 PEN TABLE: standard-trans.tbl



USER NAME = dstencz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1" = 20'	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

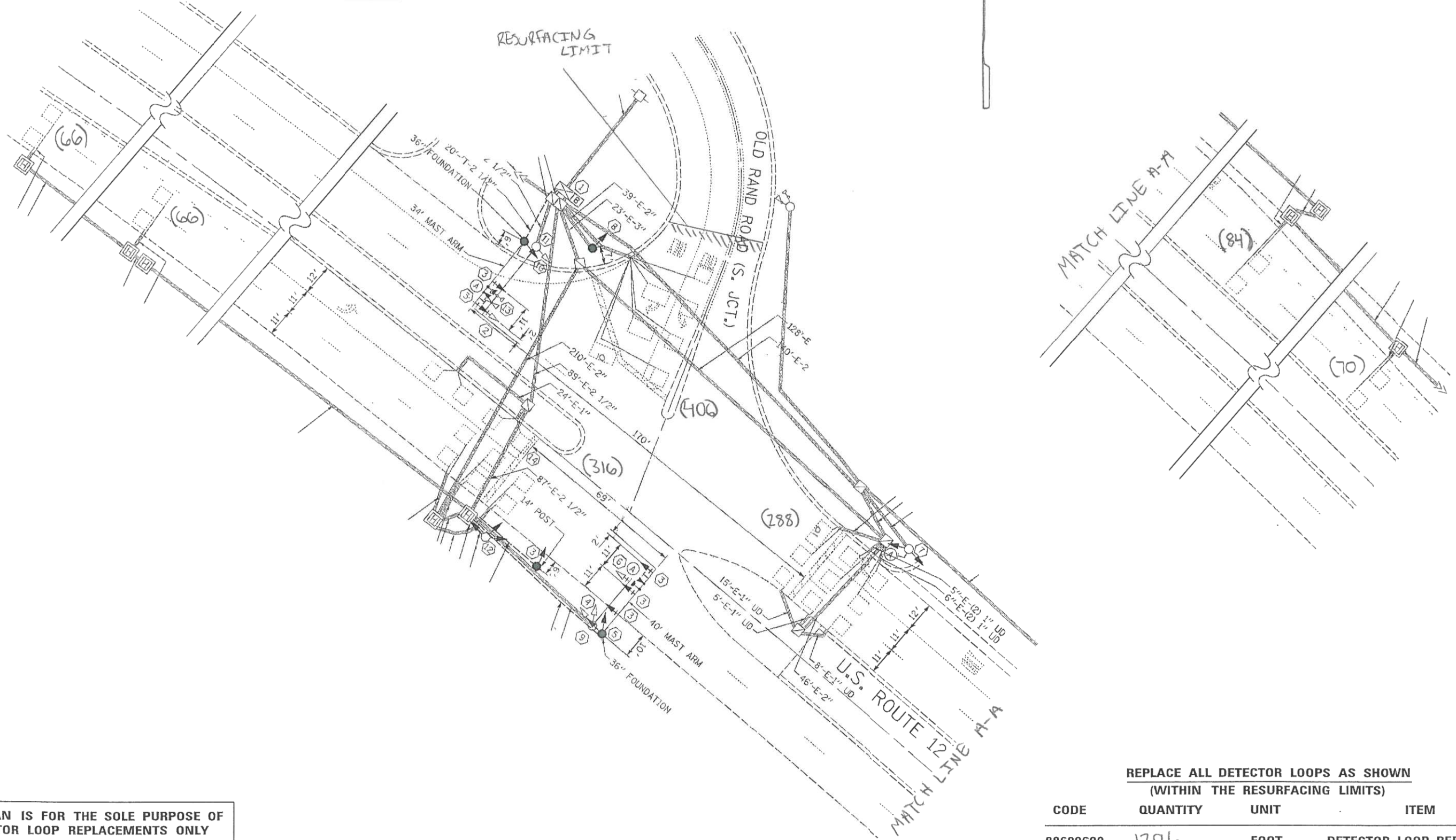
DISTRICT ONE - DETECTOR LOOP REPLACEMENT
US ROUTE 12 AT DEER PATH RD/PHEASANT RIDGE DR

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 37
SCALE: 1" = 20'		SHEET NO. 3 OF 11 SHEETS	STA. NA TO STA. NA	CONTRACT NO. 60N26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**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
88600600	1296	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:22:19 AM
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 PLOT DRIVER: pafch
 PEN TABLE: standard-trans.tbl



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PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

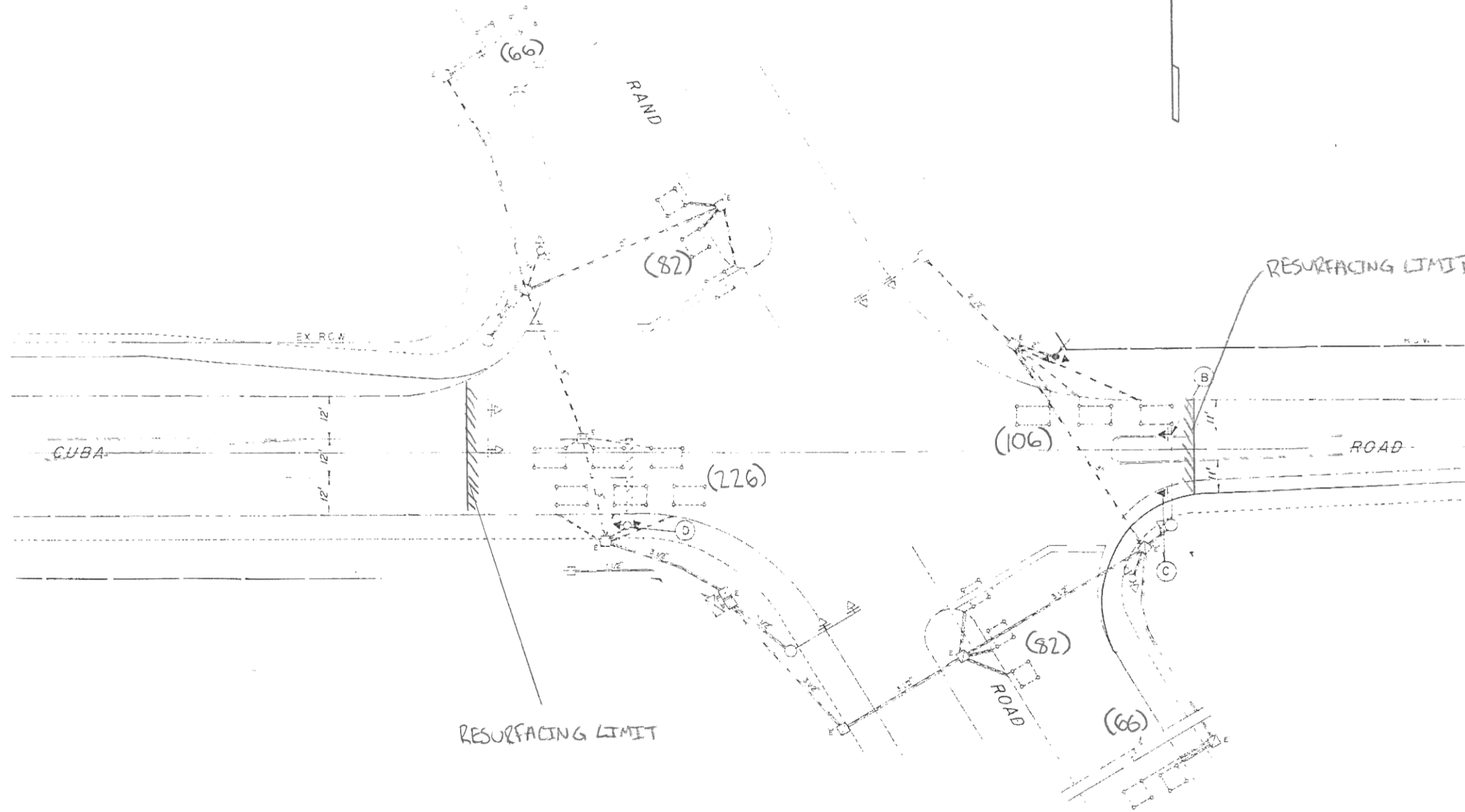
**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
US ROUTE 12 AT OLD RAND ROAD**
 SCALE: 1" = 20' SHEET NO. 4 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 38
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60N26

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.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	→
SIGNAL HEAD	→
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---
DETECTOR LOOP	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	⊥
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	⊥ "E"



**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
88600600	628	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:23:30 AM
 FILE NAME: 8610019610-deop-05.dgn
 PLOT DRIVER: pafch
 PEN TABLE: standard-trans.tbl



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PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
US ROUTE 12 AT CUBA ROAD**

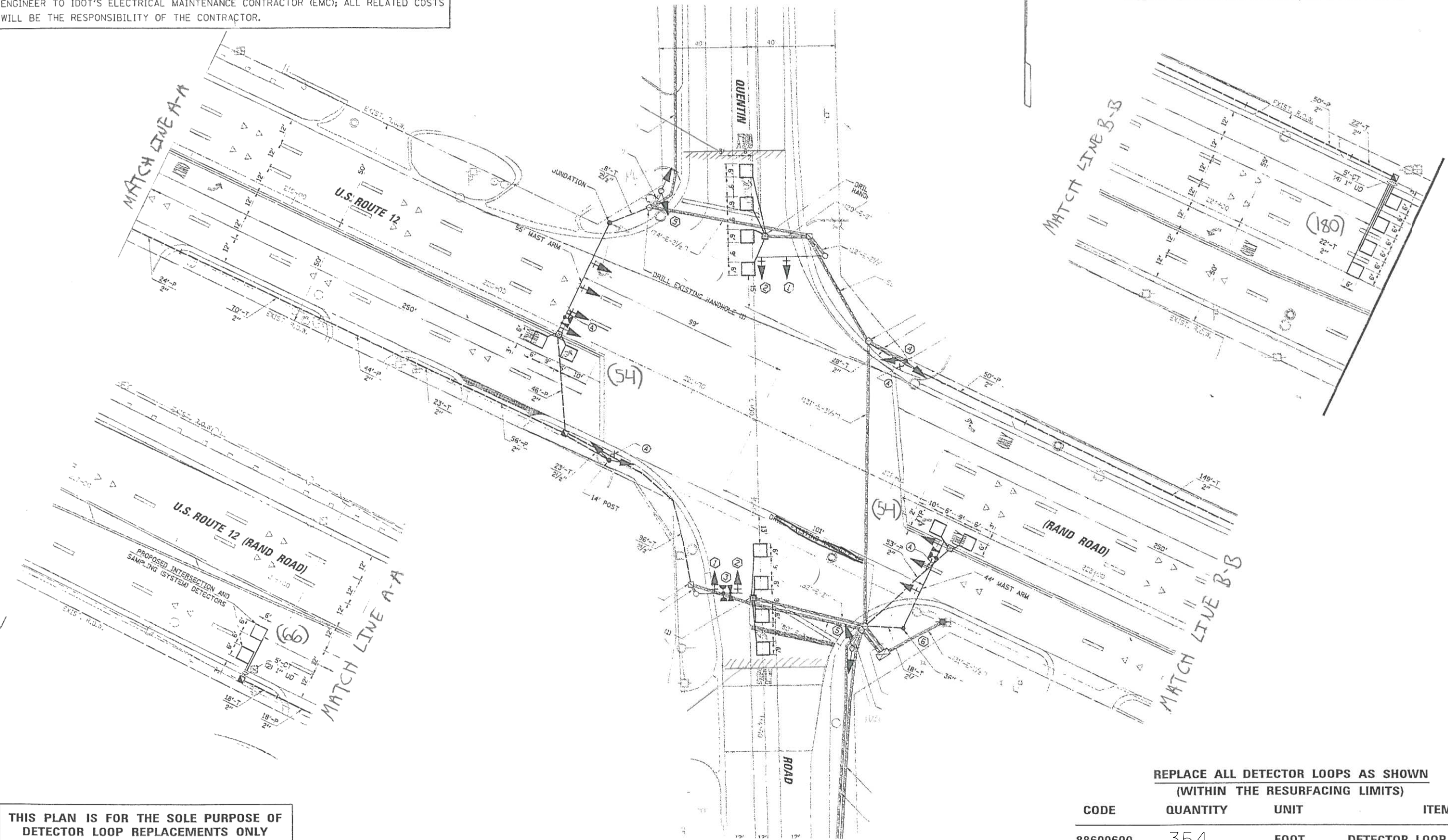
SCALE: 1" = 20' SHEET NO. 5 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 39
CONTRACT NO. 60N26			ILLINOIS FED. AID PROJECT	

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.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**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
88600600	354	FOOT	DETECTOR LOOP, REPLACEMENT

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 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:22:44 AM
 FILE NAME: 86100196.10-dloop-06.dgn
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PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
US ROUTE 12 AT QUENTIN ROAD**

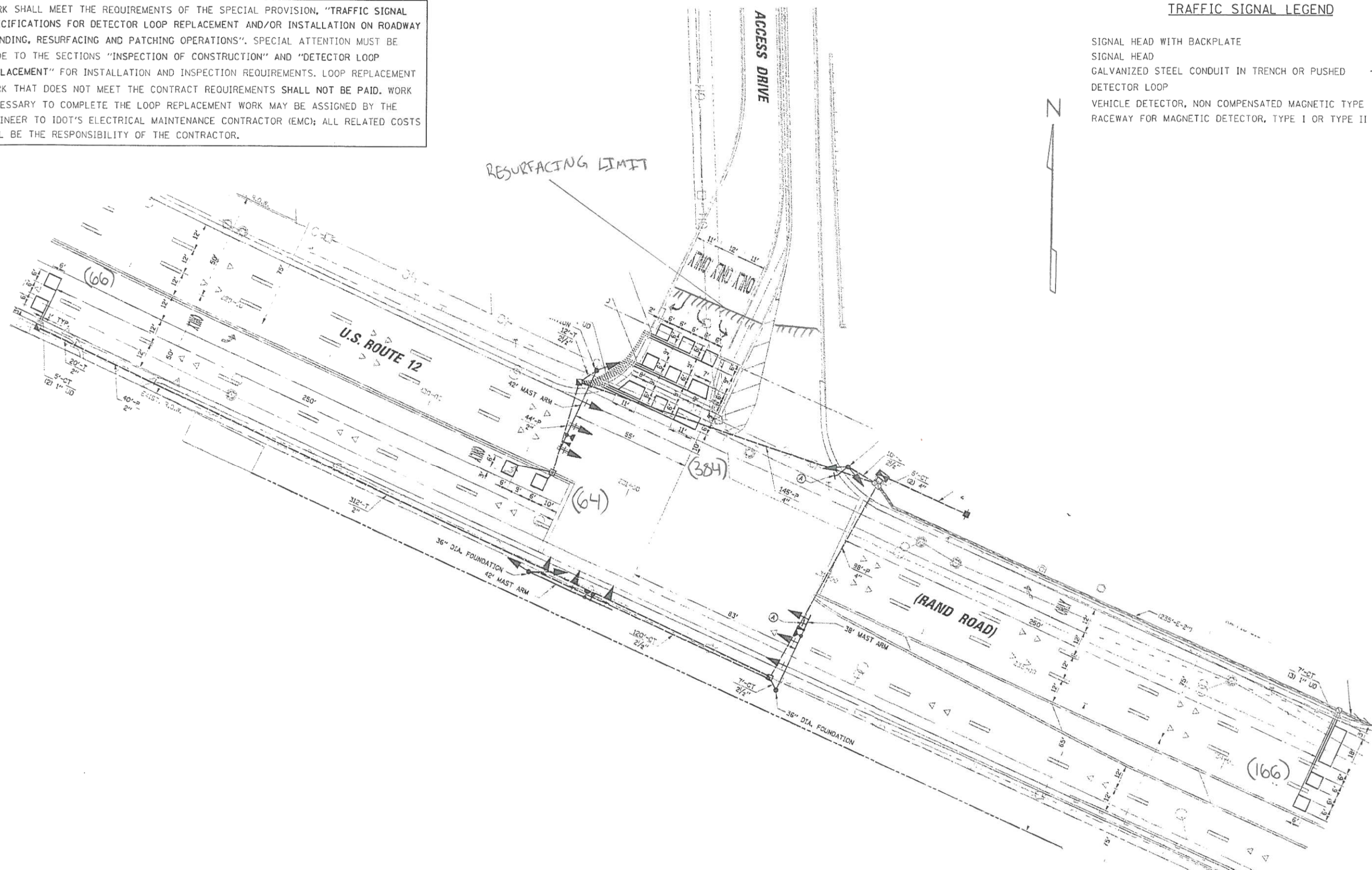
SCALE: 1" = 20' SHEET NO. 6 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 40
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60N26

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.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



**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
88600600	680	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:29:23 AM
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 PLOT DRIVER: pdefch
 PEN TABLE: standard-trans.tbl



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PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
US ROUTE 12 AT QUENTIN COLLECTION ACCESS DRIVE**

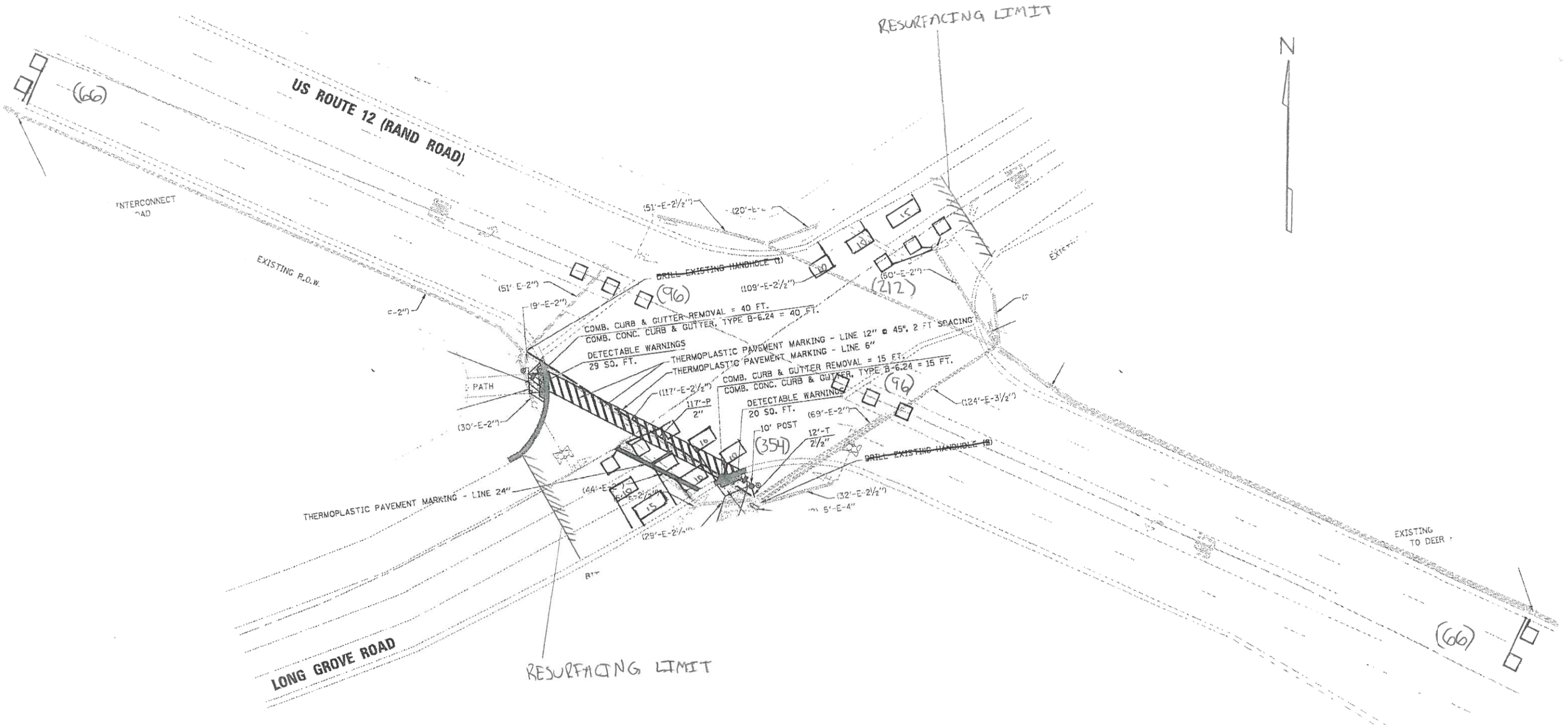
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60N26

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL 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.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
CALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



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
88600600	890	FOOT	DETECTOR LOOP, REPLACEMENT

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 PROJECT CONTACT: HRGreen.com
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 PLOT DRIVER: pdef.plt
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PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
 US ROUTE 12 AT LONG GROVE ROAD**

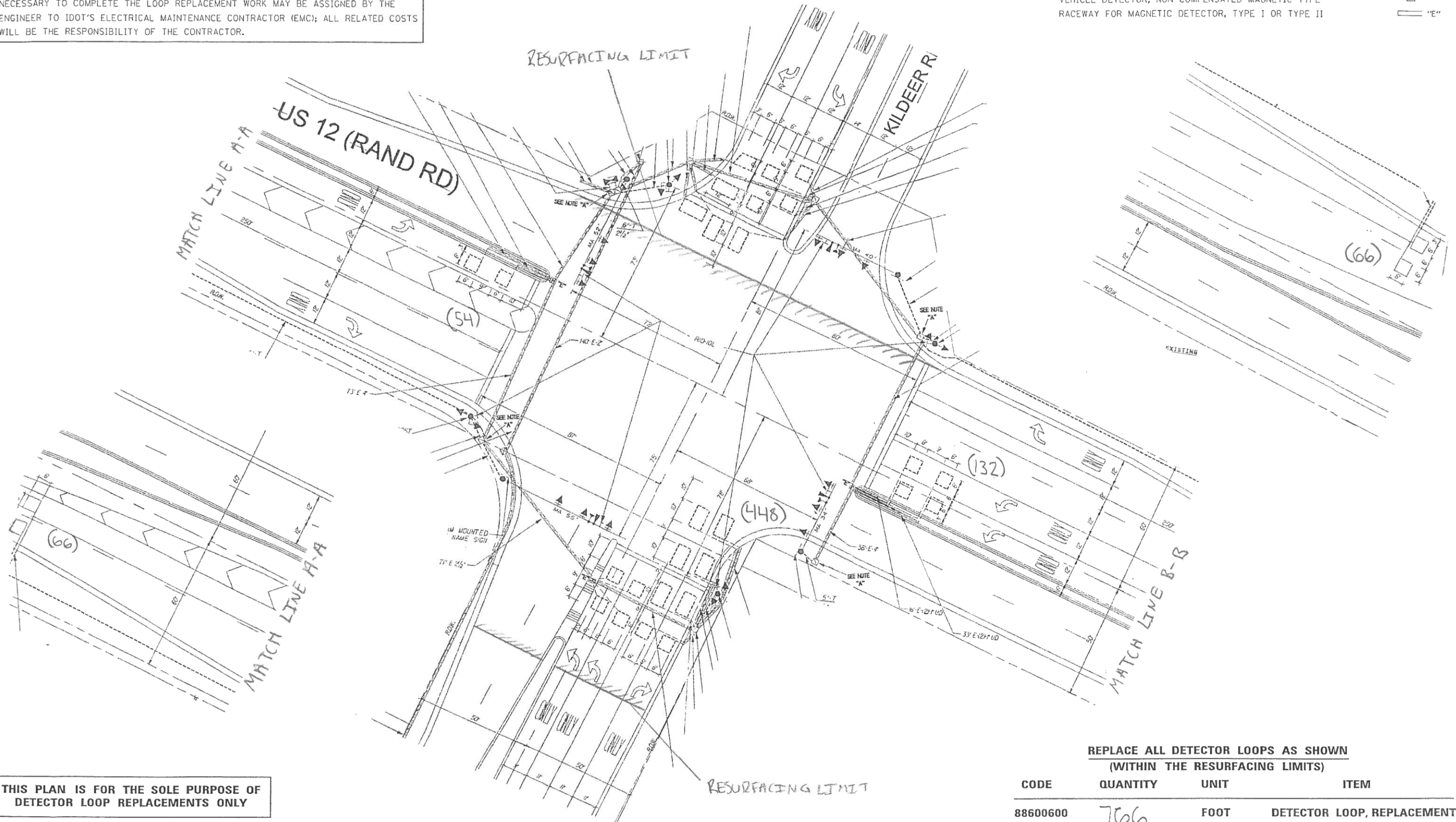
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F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 42
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



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
88600600	766	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 5/23/2014 11:25:17 AM
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	DRAWN -	REVISED -
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PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

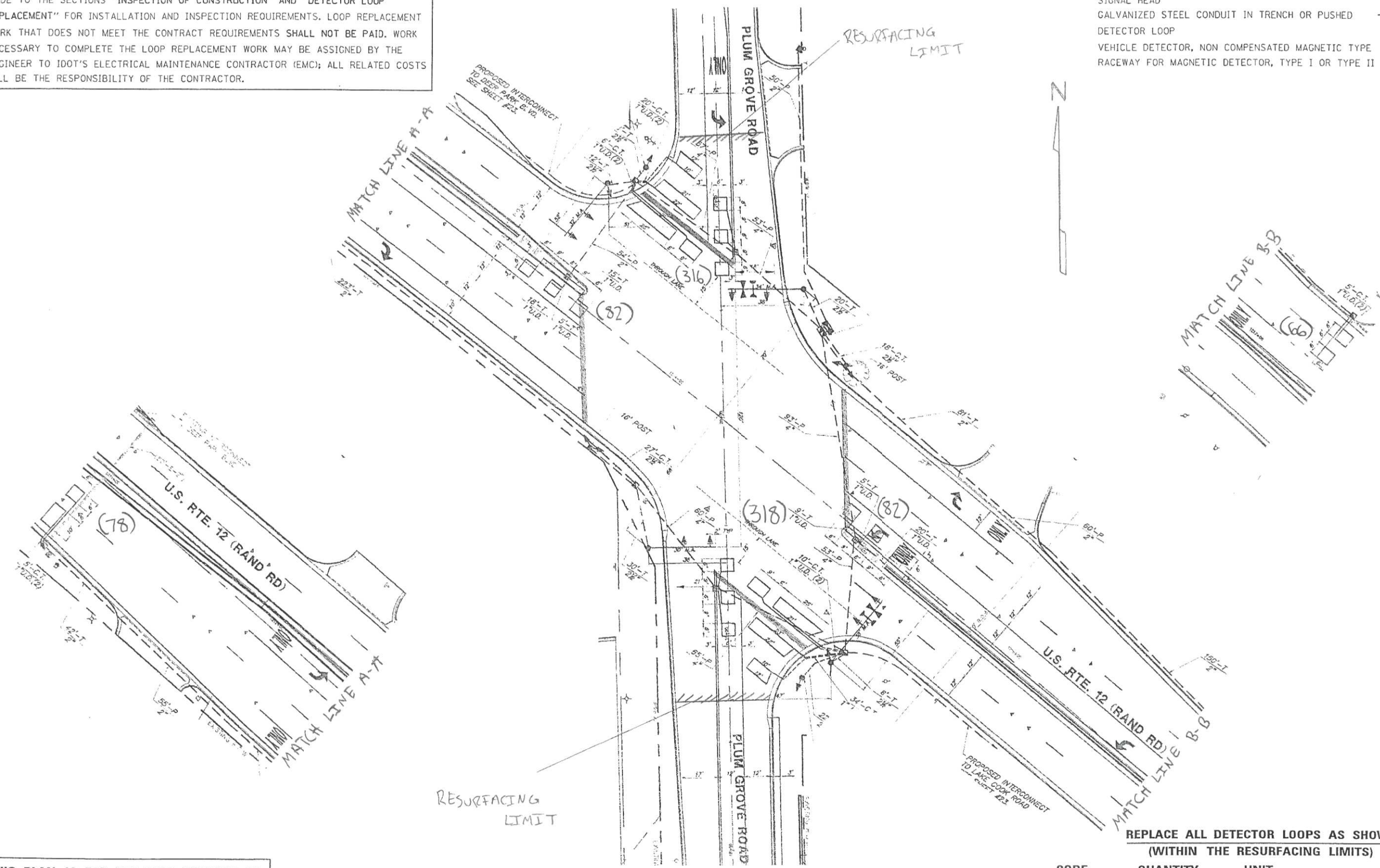
DISTRICT ONE - DETECTOR LOOP REPLACEMENT US ROUTE 12 AT DEER PARK BOULEVARD
 SCALE: 1" = 20' SHEET NO. 9 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 43
CONTRACT NO. 60N26		ILLINOIS FED. AID PROJECT		

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.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



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
88600600	942	FOOT	DETECTOR LOOP, REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 5/23/2014 11:25:29 AM
 FILE NAME: 8610019610-loop-10.dgn
 PLOT DRIVER: pdefeat
 PEN TABLE: standard-trans.tbl



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PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
 US ROUTE 12 AT PLUM GROVE ROAD**

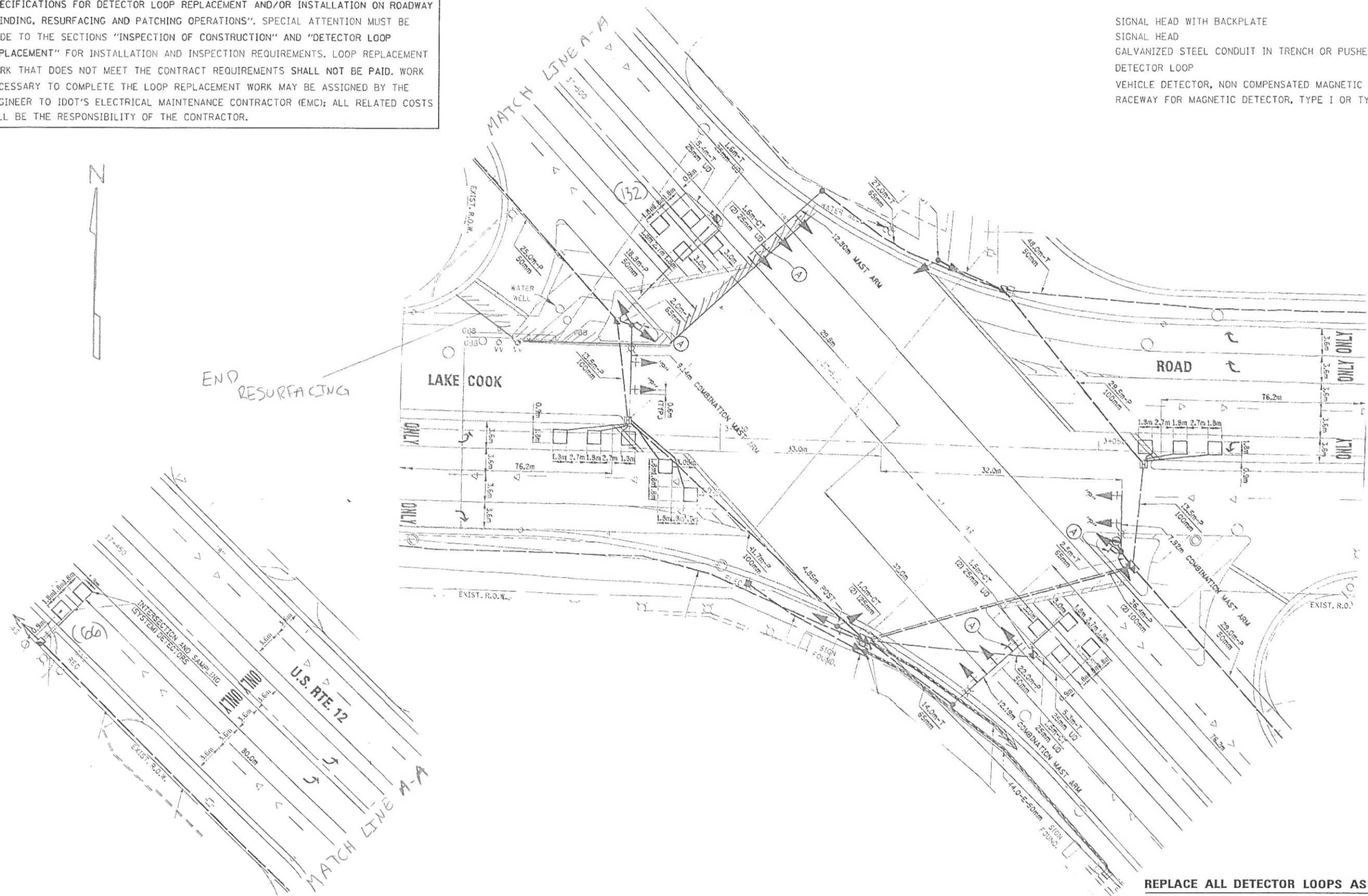
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F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 44
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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.

TRAFFIC SIGNAL LEGEND

SIGNAL HEAD WITH BACKPLATE	PROPOSED	EXISTING
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



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
88600600	198	FOOT	DETECTOR LOOP REPLACEMENT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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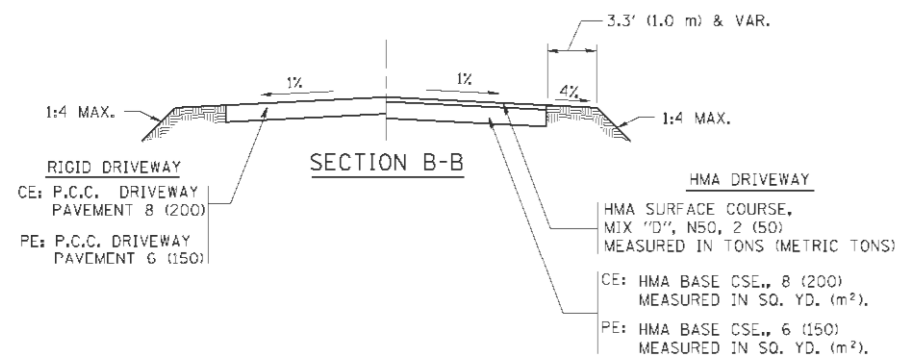
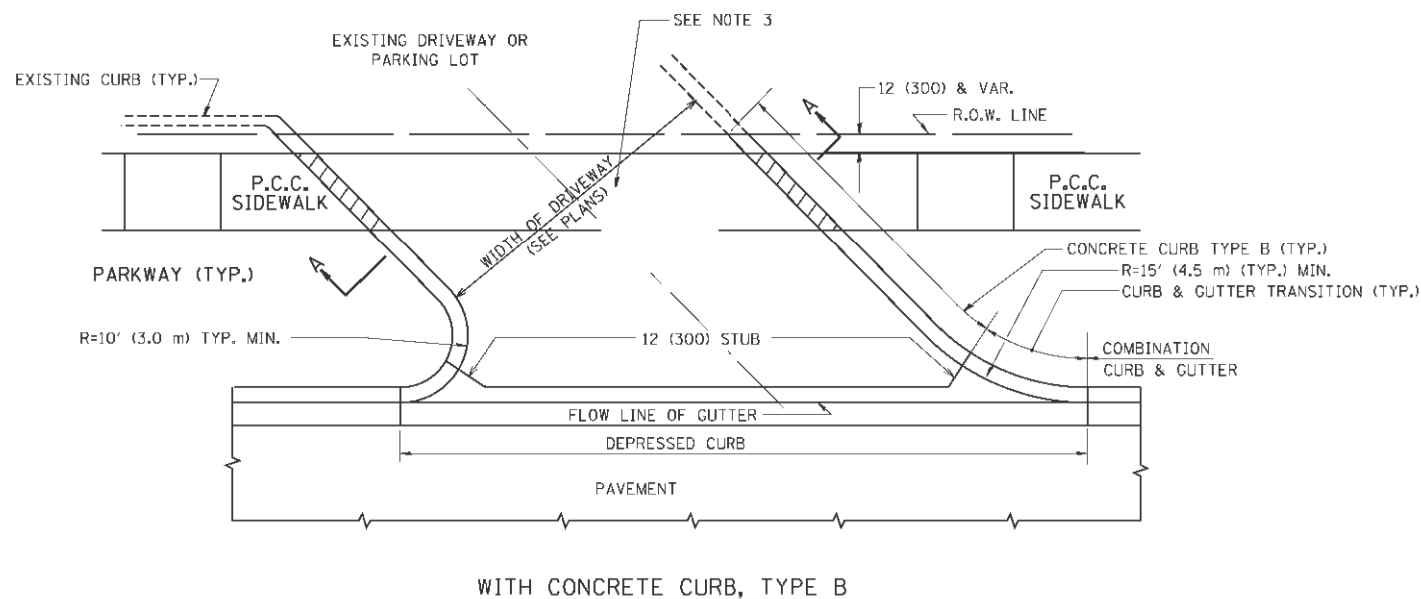
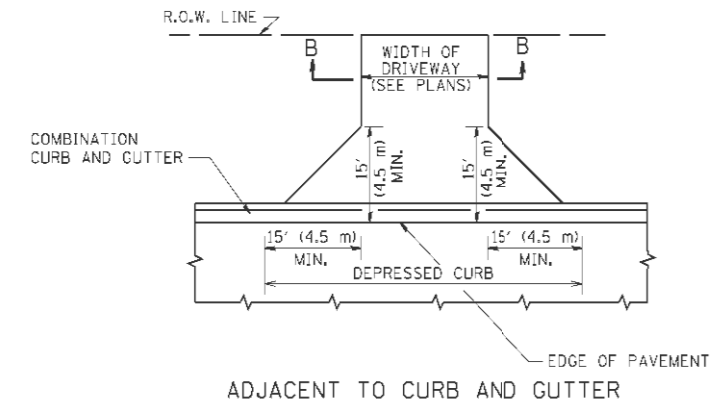
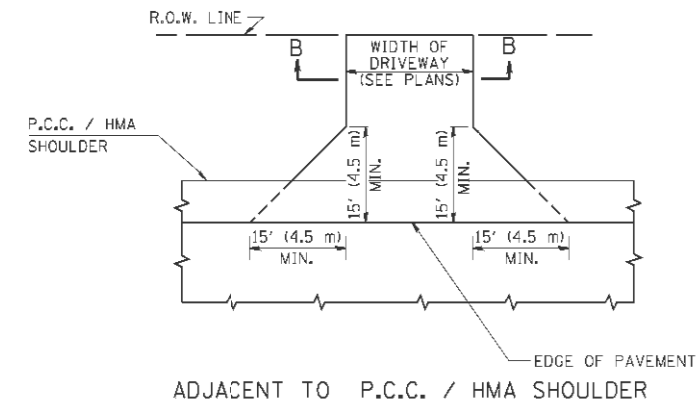
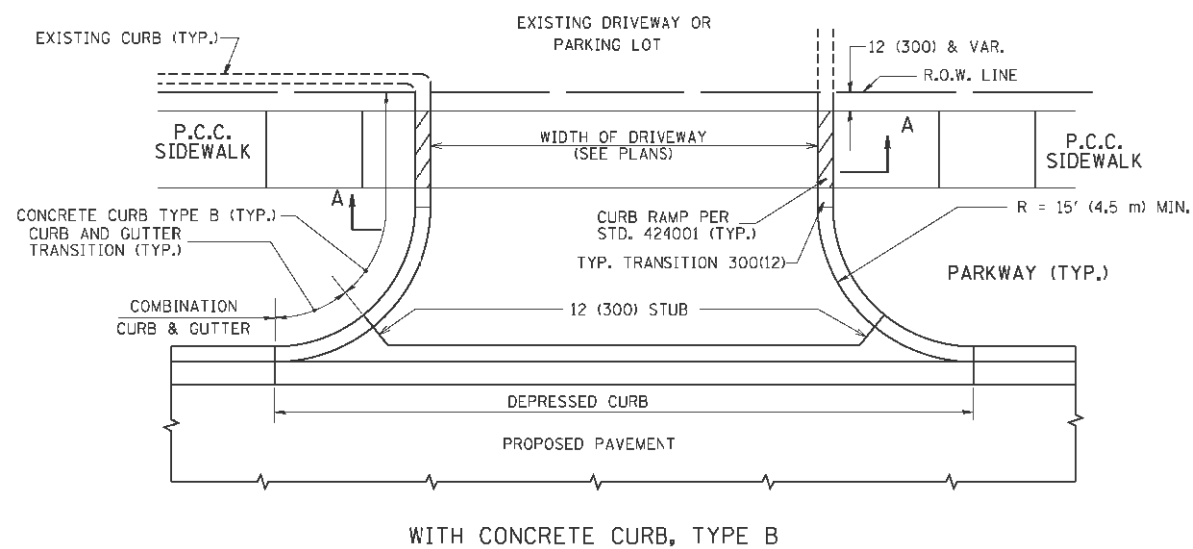


USER NAME = dstencz	DESIGNED -	REVISED -
PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/23/2014	CHECKED -	REVISED -
	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT US ROUTE 12 AT LAKE COOK ROAD
 SCALE: 1" = 20' SHEET NO. 11 OF 11 SHEETS STA. NA TO STA. NA

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 45
CONTRACT NO. 60N26			ILLINOIS FED. AID PROJECT	



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.

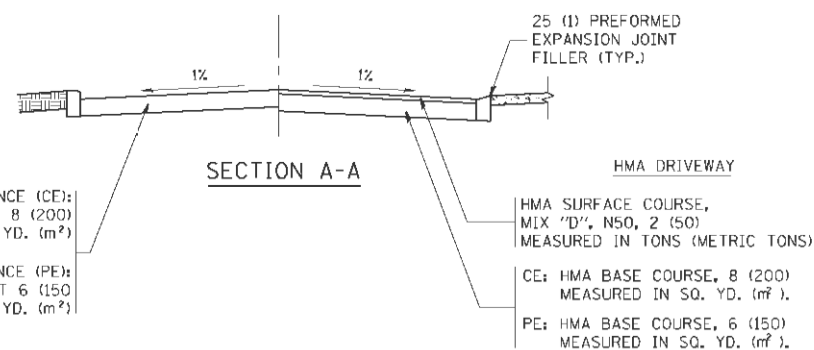
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.



COMPANY NAME: **standard-trans,bl**

PROJECT CONTACT: **pat.fah**

DATE PLOTTED: **5/23/2014 11:23:45 AM**

FILE NAME: **6610019610-081-01.dgn**

PLOT DRIVER: **pat.fah**

PEN TABLE: **standard-trans,bl**

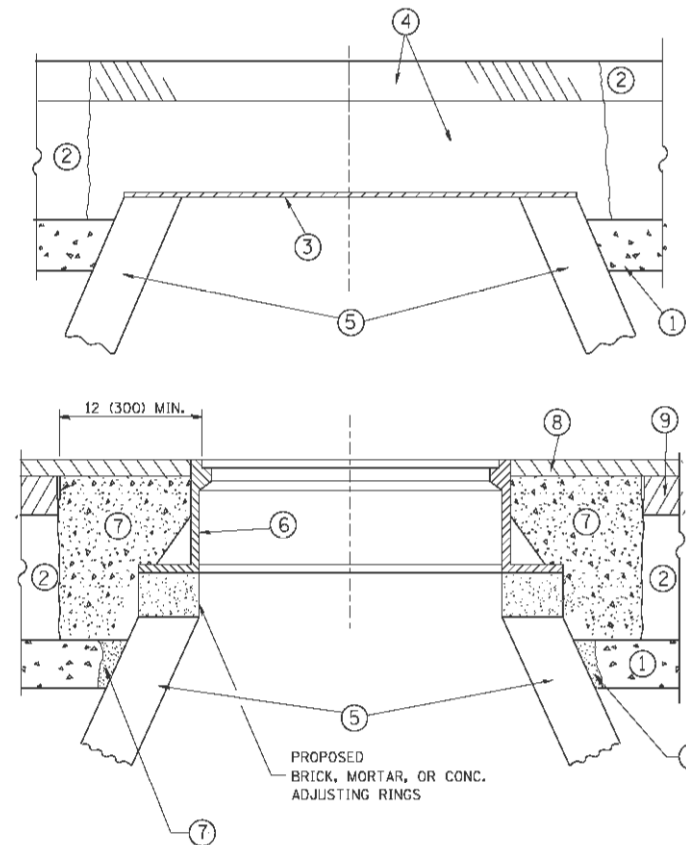
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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**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 1 SHEETS STA. TO STA.

F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	46
BD0156-07 (BD-01)		CONTRACT NO.	60N26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 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 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

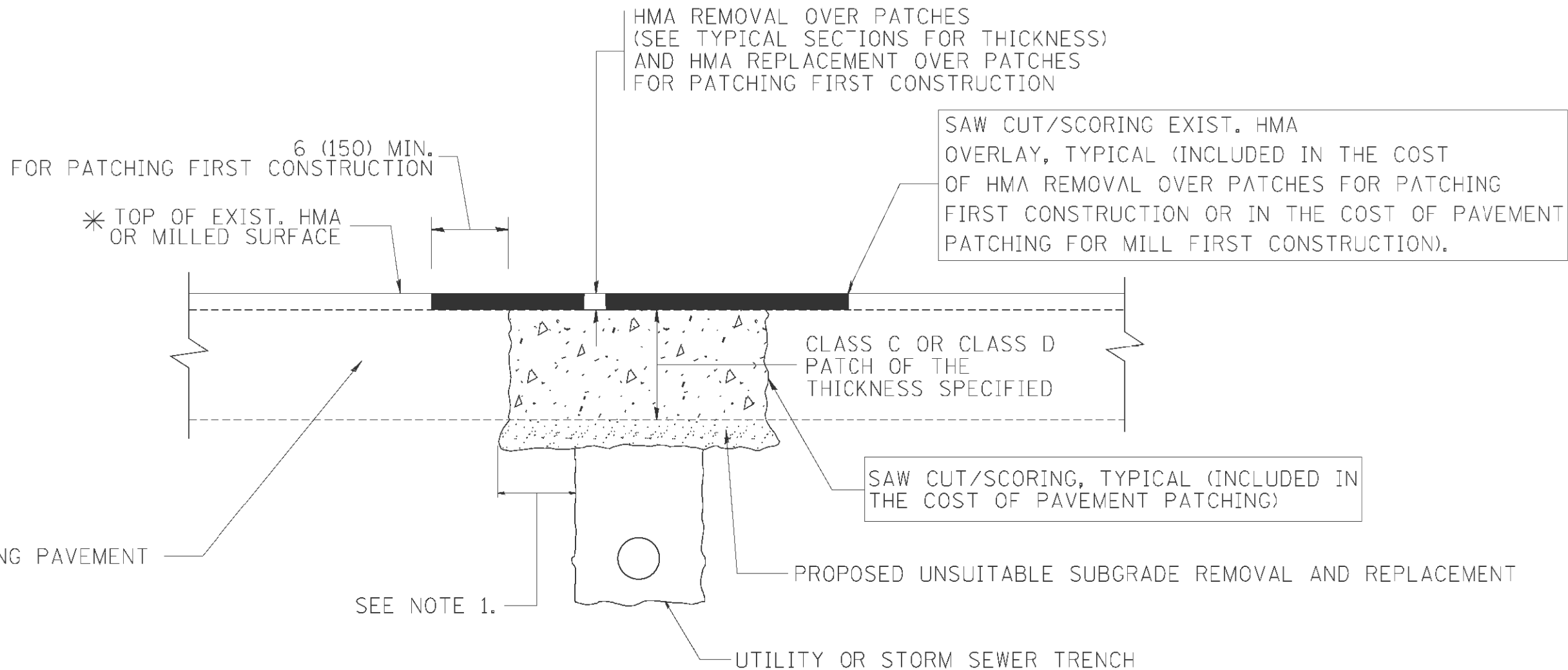
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
		F.A.P. RTE. 334		SECTION SY-3-RS-4	COUNTY LAKE
		BD600-03 (BD-8)		CONTRACT NO. 60N26	
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.

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PROJECT CONTACT:
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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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	48
BD400-04 (BD-22)			CONTRACT NO.	60N26
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.

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,

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

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.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

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).

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.

BASIS OF PAYMENT:

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.

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".

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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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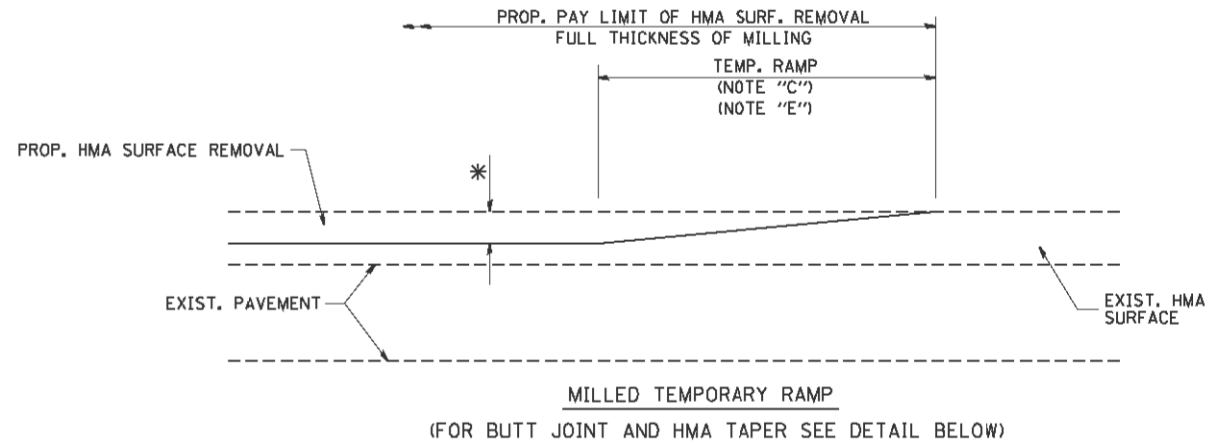
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

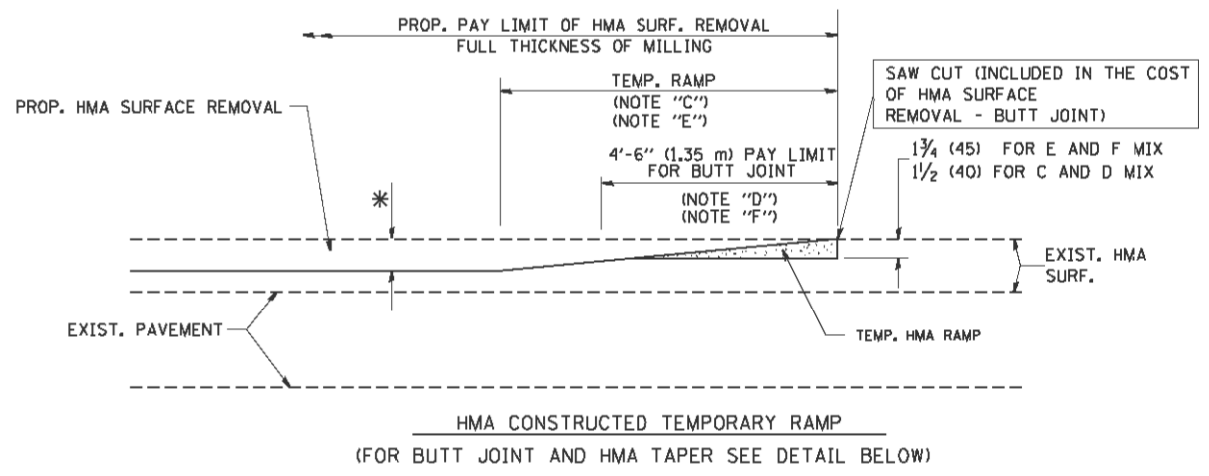
CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

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

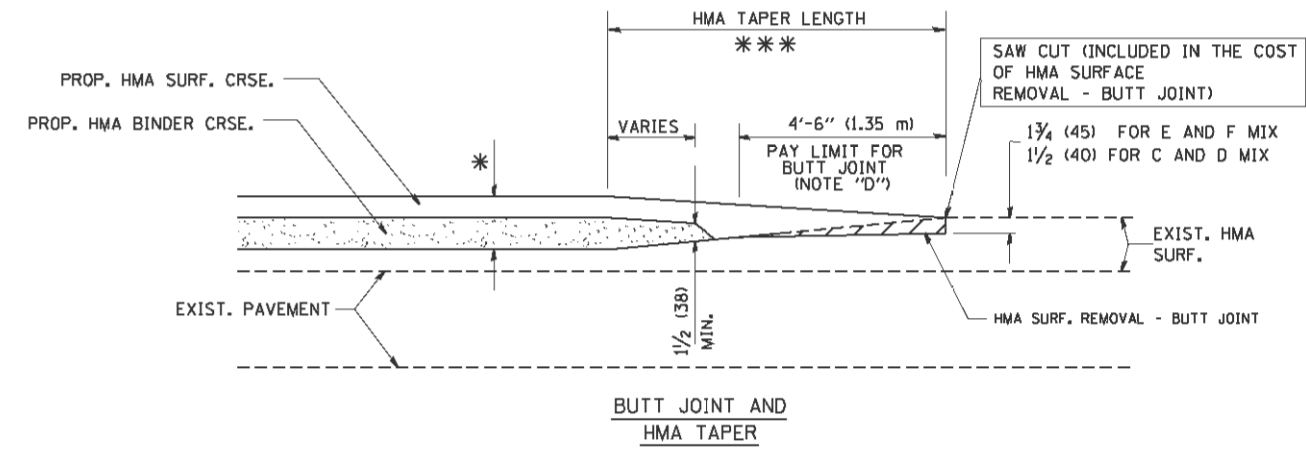
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BD600-06 (BD-24)			CONTRACT NO.	60N26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



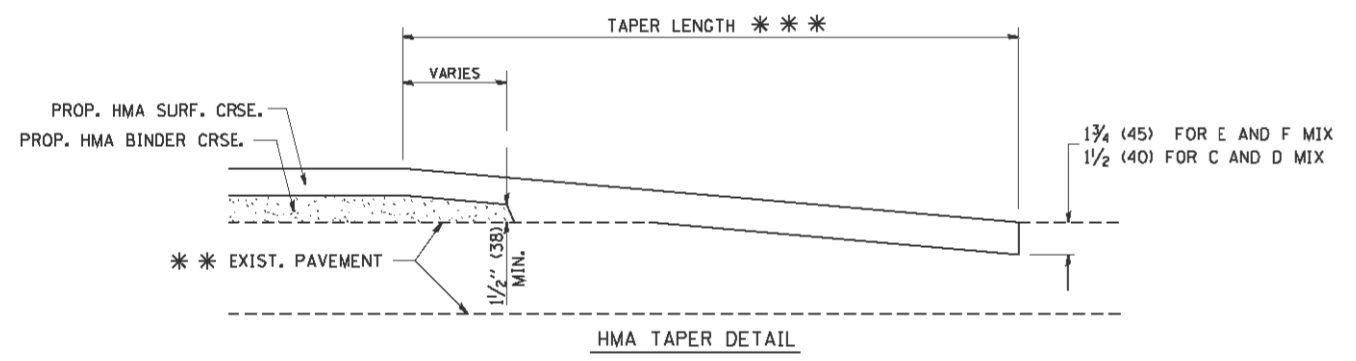
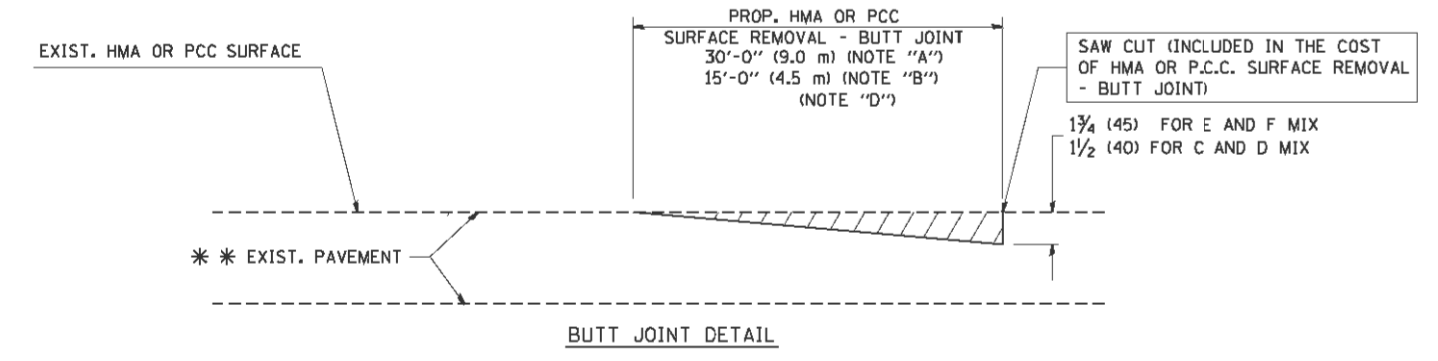
OPTION 1



OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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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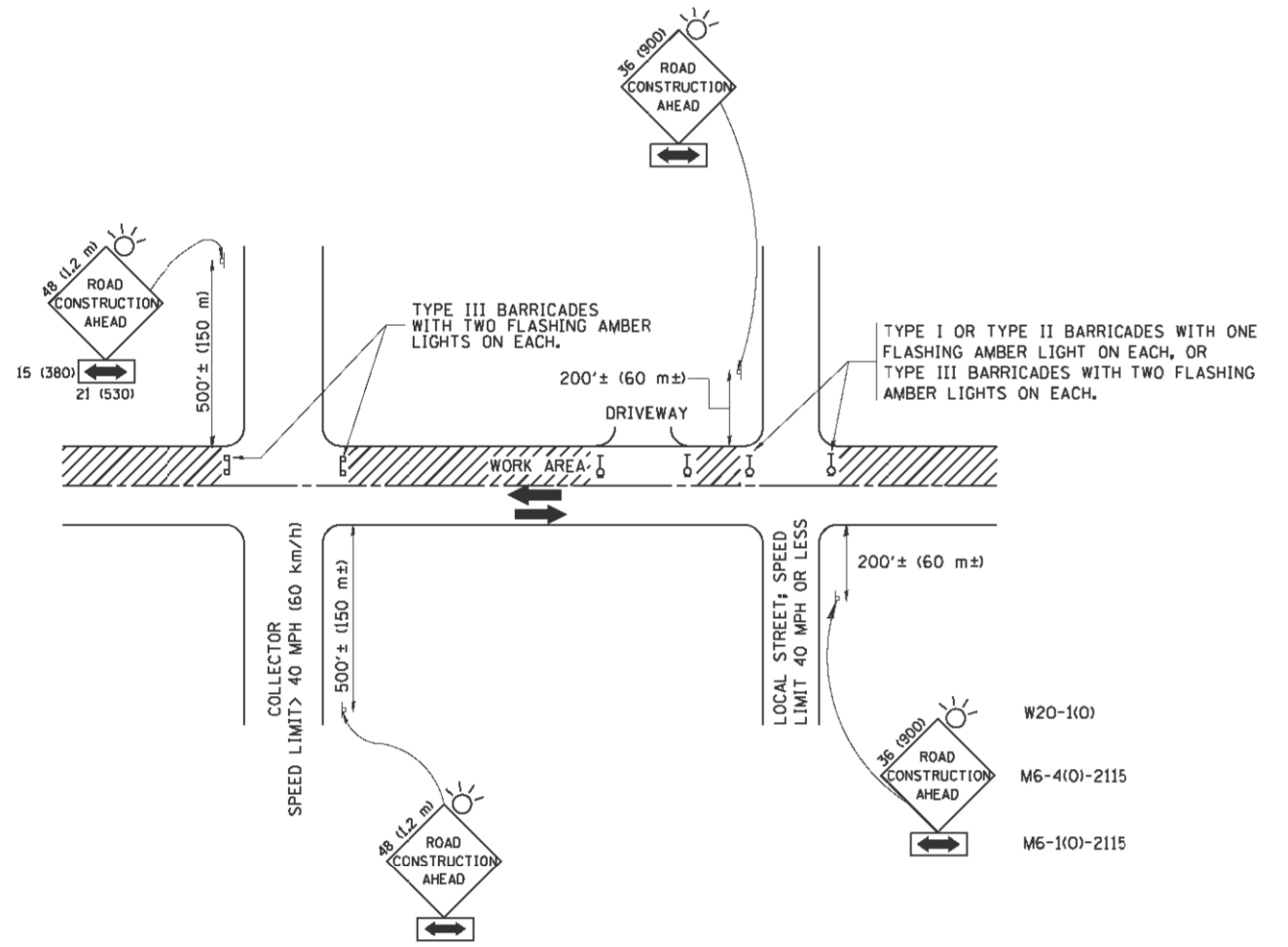
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PLOT DATE = 1/4/2008		DATE -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	50
BD400-05 BD32		CONTRACT NO.	60N26	
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 STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

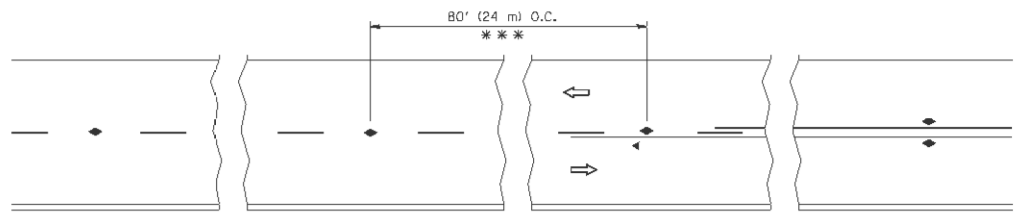
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

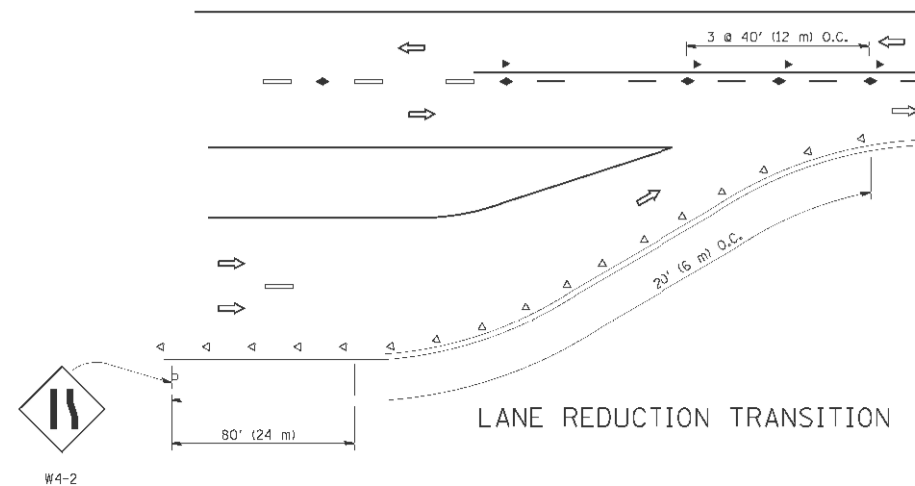
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SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

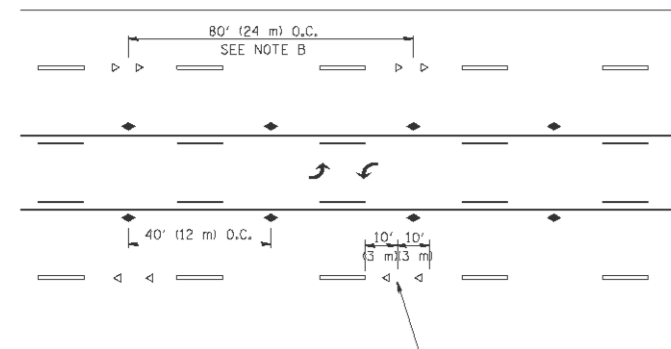


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

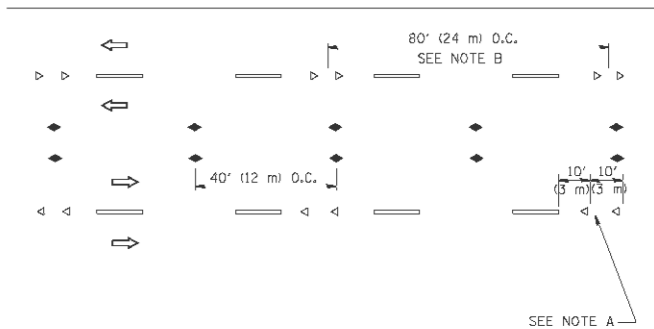
TWO-LANE/TWO-WAY



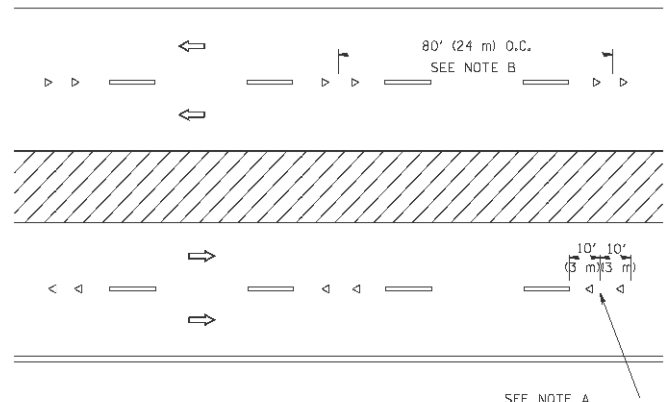
LANE REDUCTION TRANSITION



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

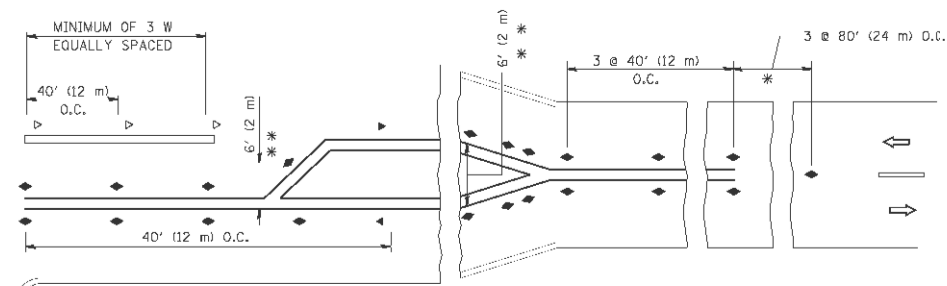
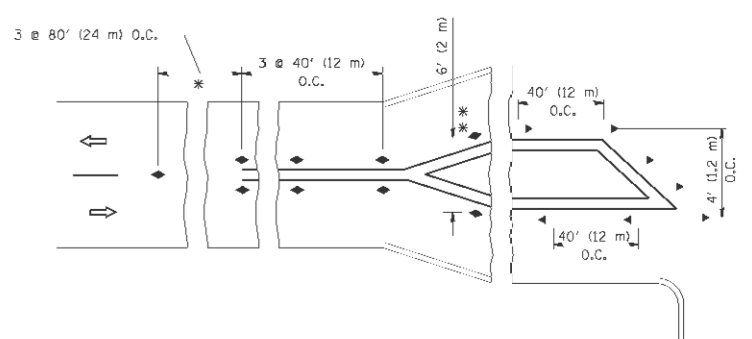
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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

LEFT TURN

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

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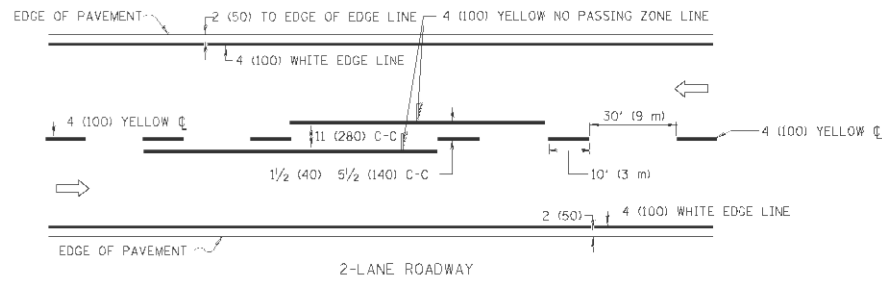
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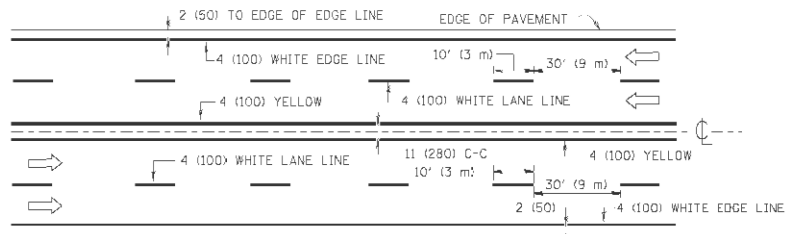
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

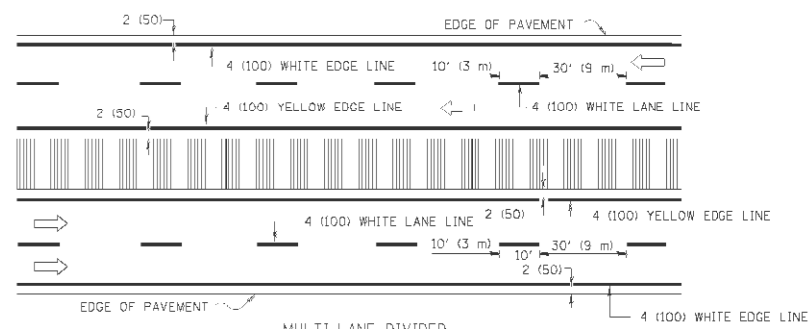
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334	SY-3-RS-4	LAKE	104	52
TC-11		CONTRACT NO.	60N26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



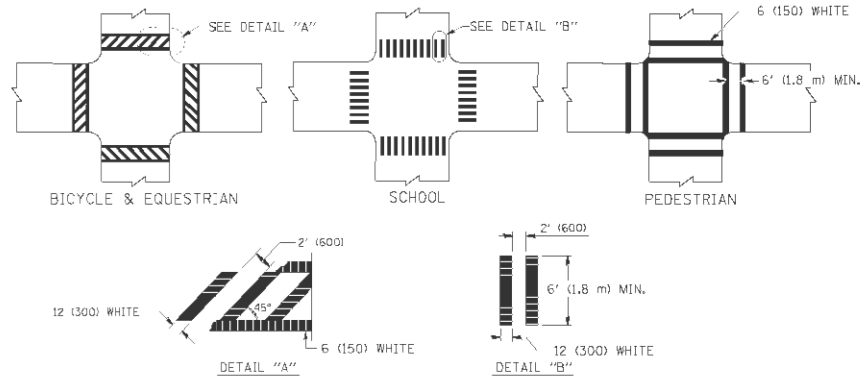
MULTI-LANE UNDIVIDED



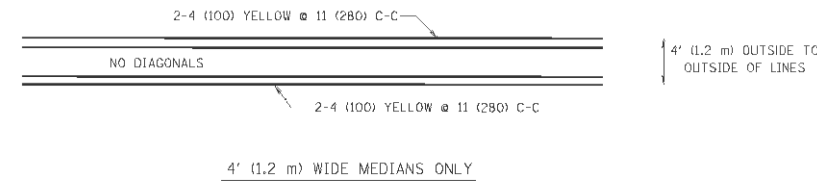
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

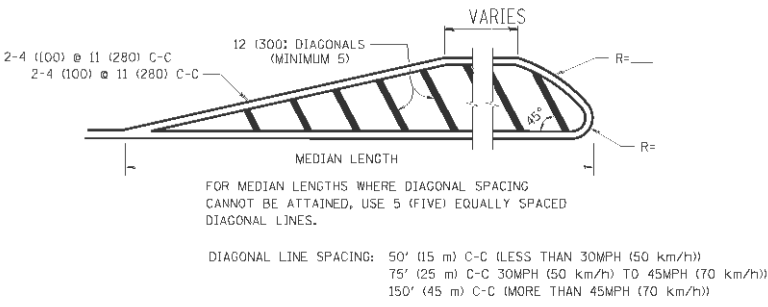
TYPICAL LANE AND EDGE LINE MARKING



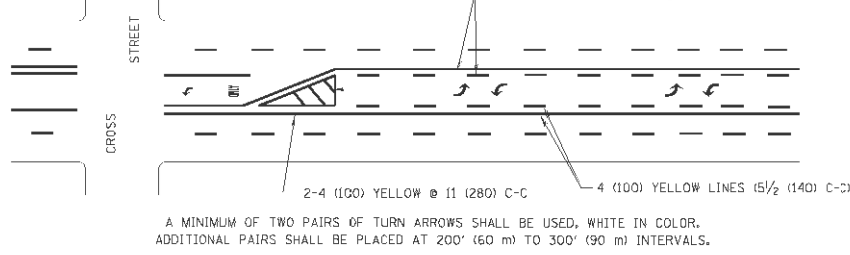
TYPICAL CROSSWALK MARKING



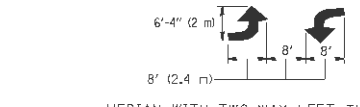
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

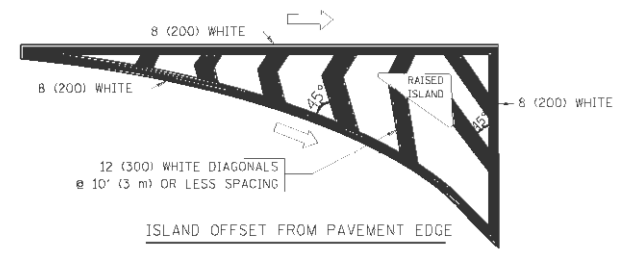


TYPICAL PAINTED MEDIAN MARKING

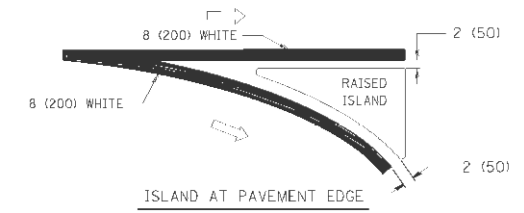


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL LEFT (OR RIGHT) TURN LANE



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 6 (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 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (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 "X" = 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 780001.

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

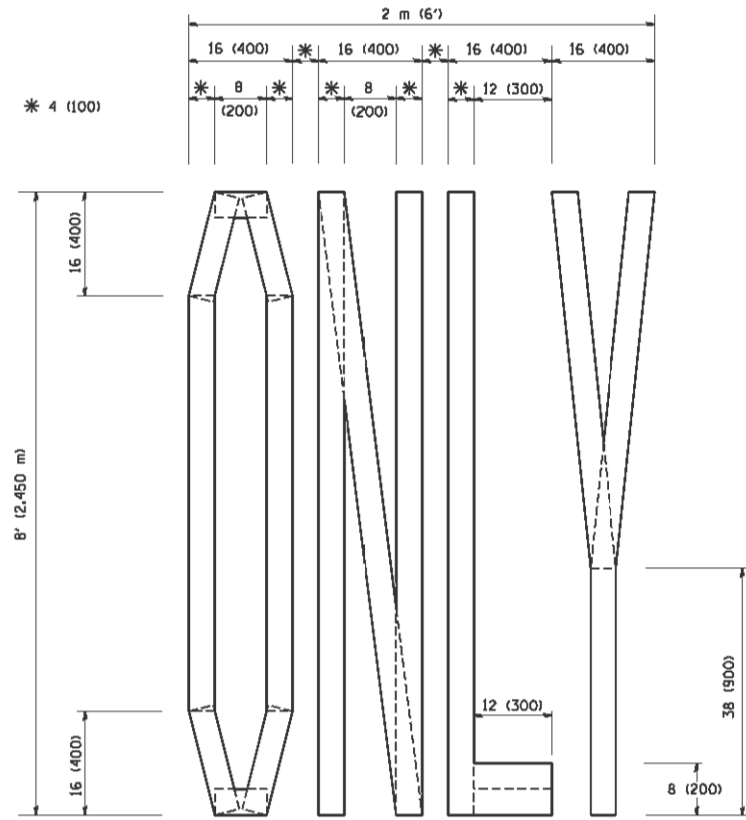
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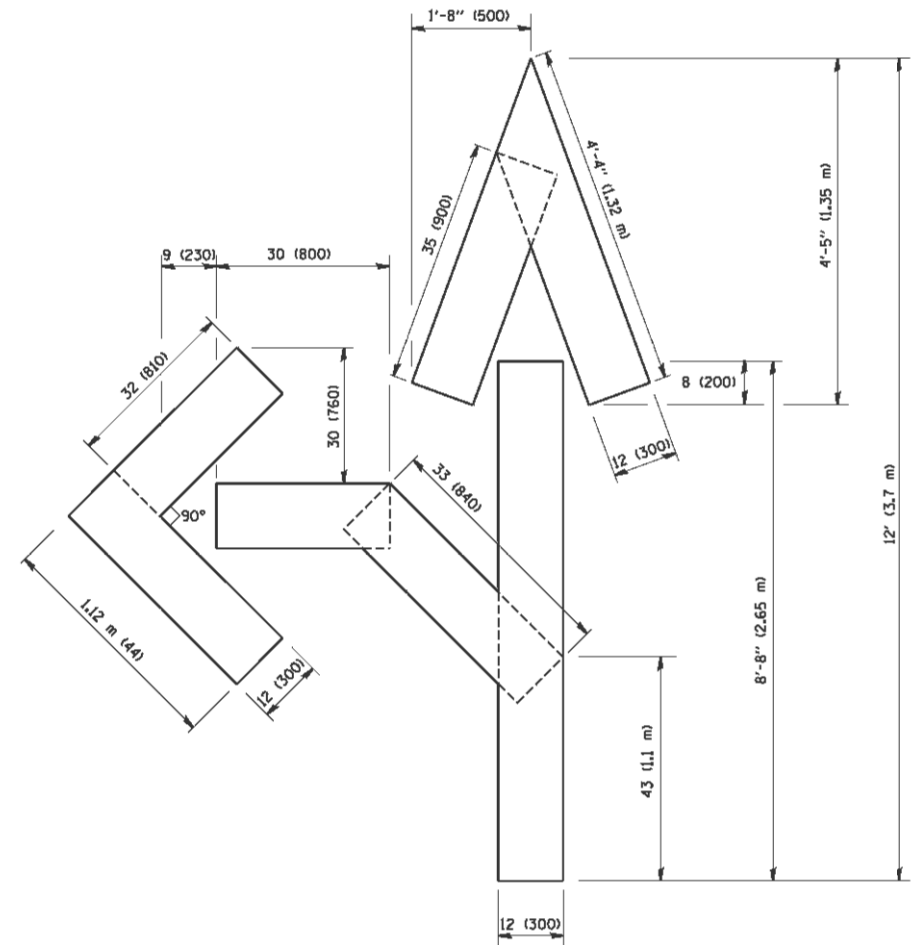
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 53
TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. 60N26		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			

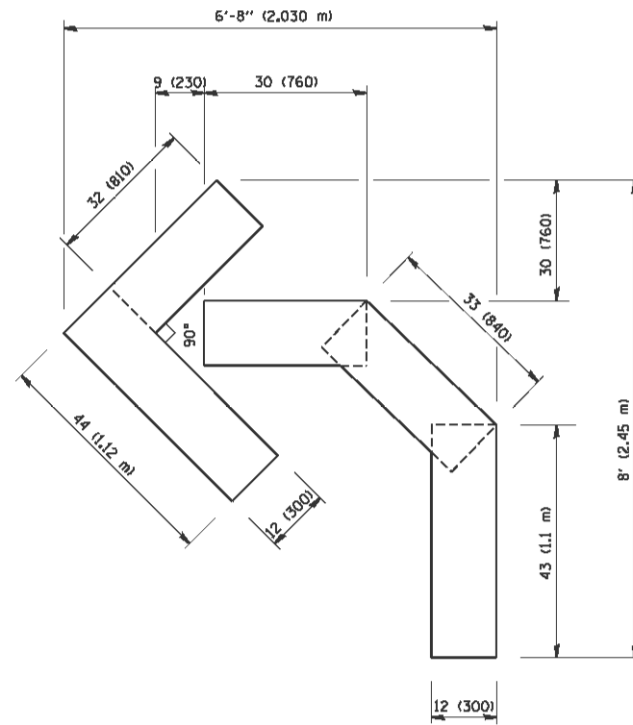
DISTRICT ONE		F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 53
TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. 60N26		
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT						



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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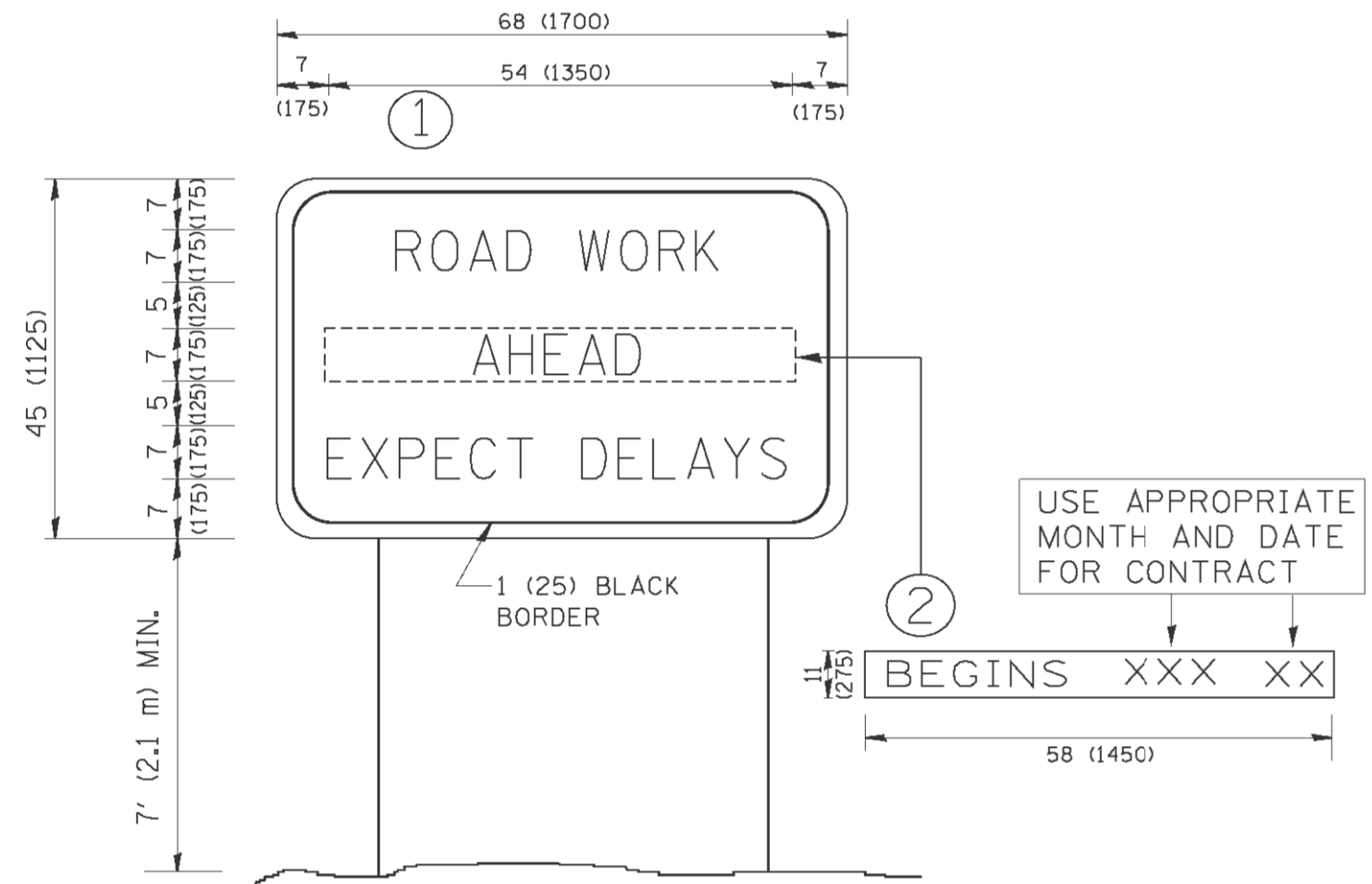
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 REVISED -T. RAMMACHER 11-04-97
 REVISED -T. RAMMACHER 03-02-98
 REVISED -E. GOMEZ 08-28-00

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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	54
TC-16		CONTRACT NO.	60N26	
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.

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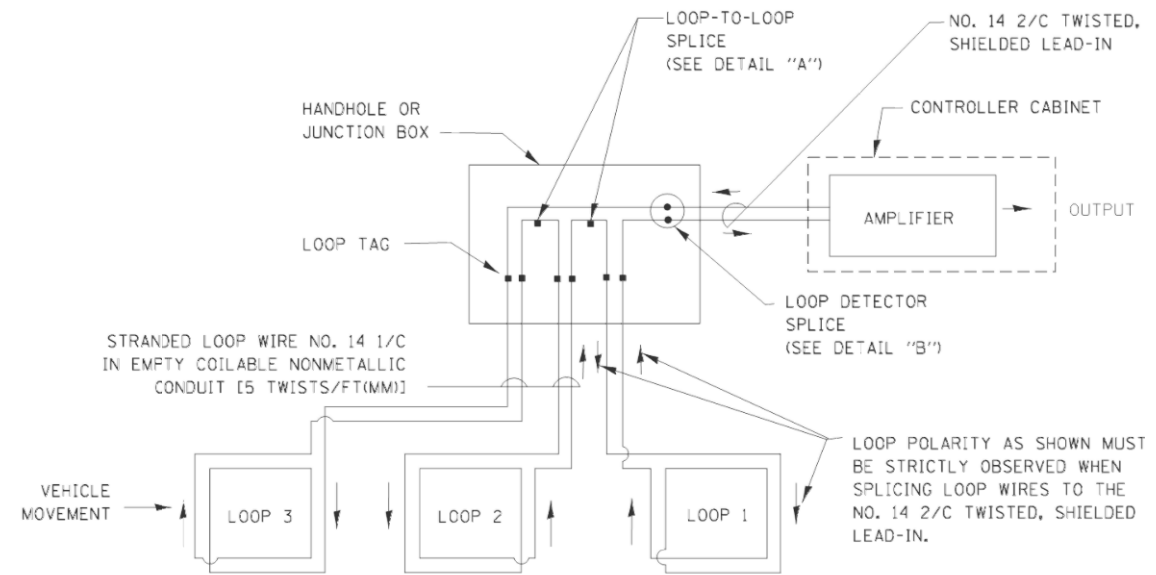
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	55
TC-22		CONTRACT NO.	60N26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

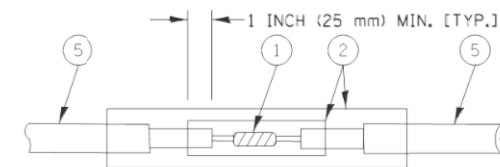
LOOP DETECTOR NOTES

- 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.
- 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 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.
- 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.
- 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.

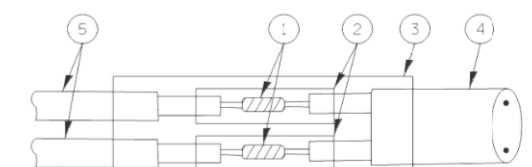


DETECTOR LOOP WIRING SCHEMATIC

- 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.

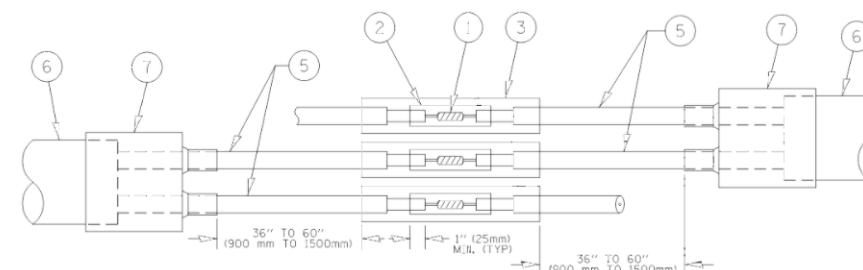


DETAIL "A"
LOOP-TO-LOOP SPLICE

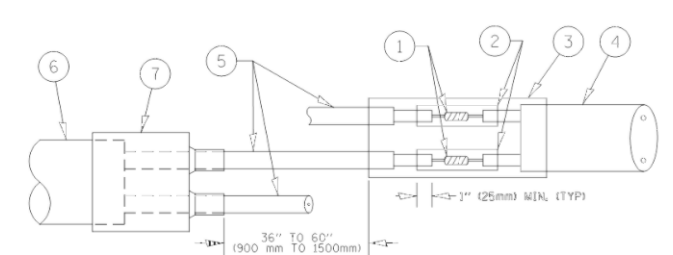


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE 1 LOOP



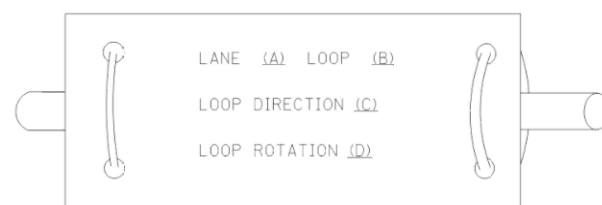
DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

LOOP LEAD-IN CABLE TAG



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

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

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PROJECT CONTACT:
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

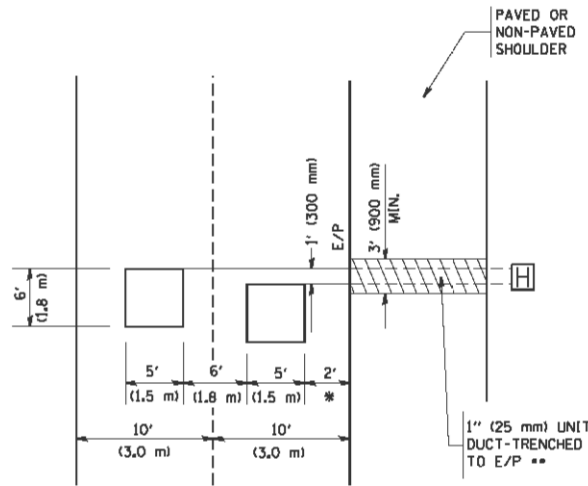
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	56
TS-05			CONTRACT NO.	60N26
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.

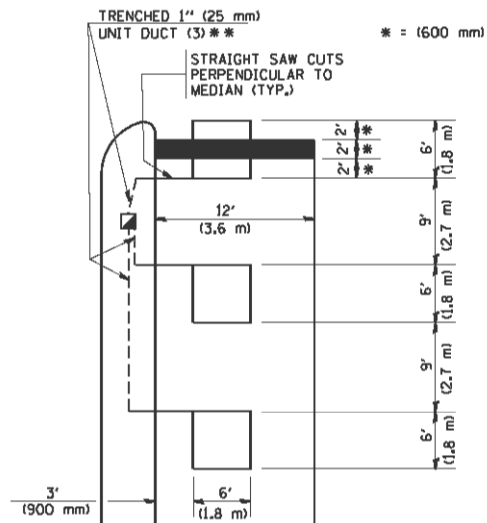


* = (600 mm)

** 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)**

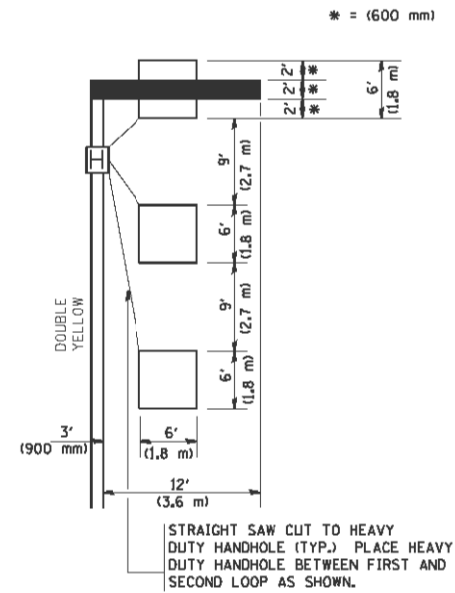
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** 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)**



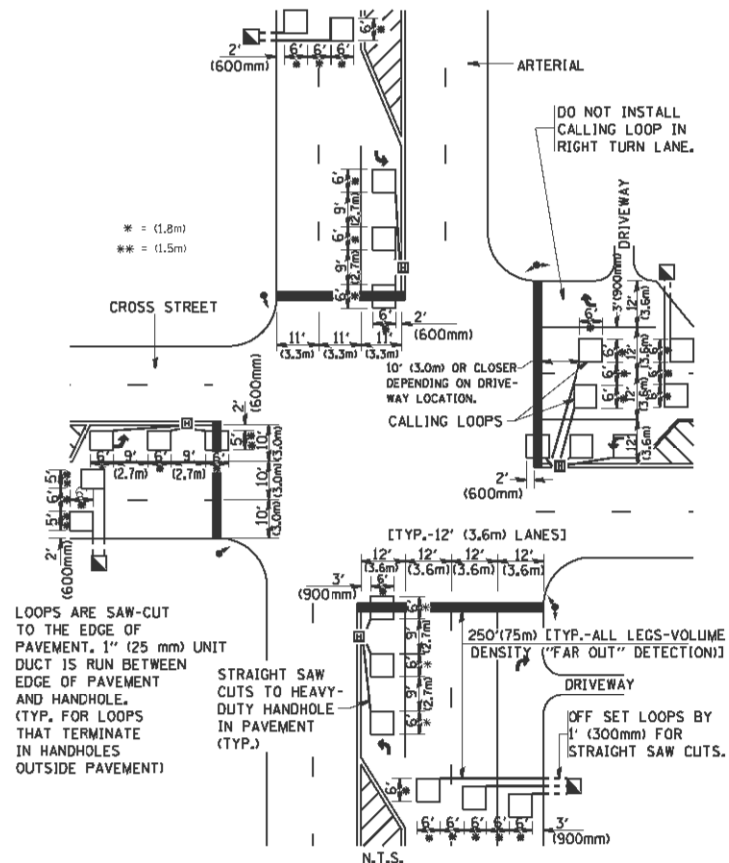
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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.

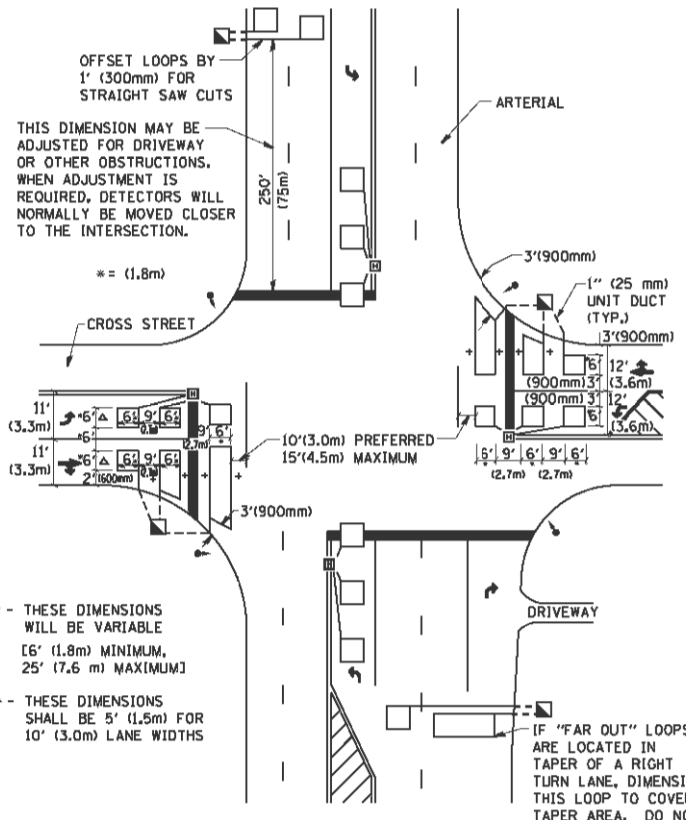
**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

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

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



* - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

**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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PROJECT CONTACT: PAUL
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STATE OF ILLINOIS	DISTRICT 1 - DETECTOR LOOP INSTALLATION
DEPARTMENT OF TRANSPORTATION	DETAILS FOR ROADWAY RESURFACING

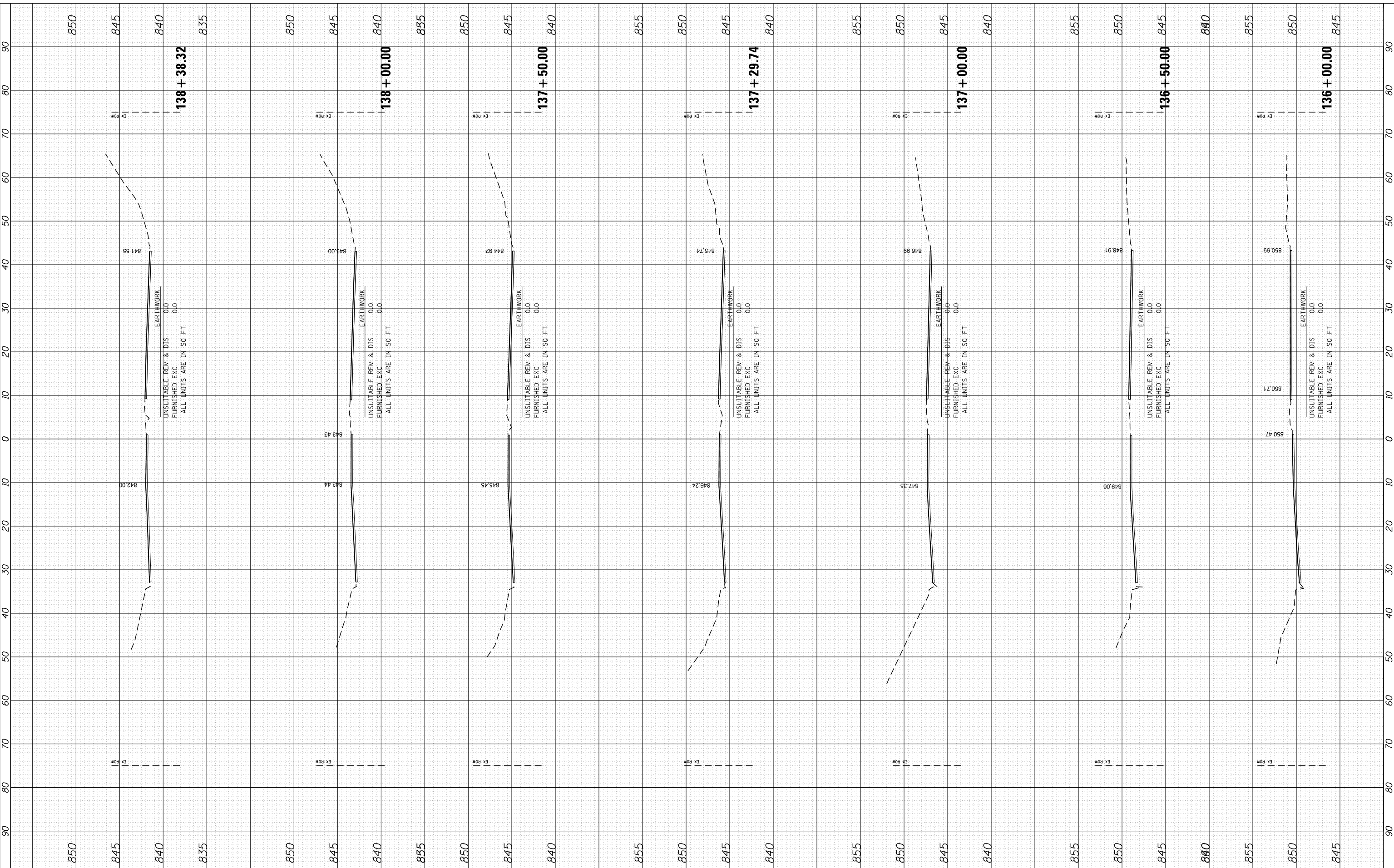
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F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 57
TS-07			CONTRACT NO. 60N26	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

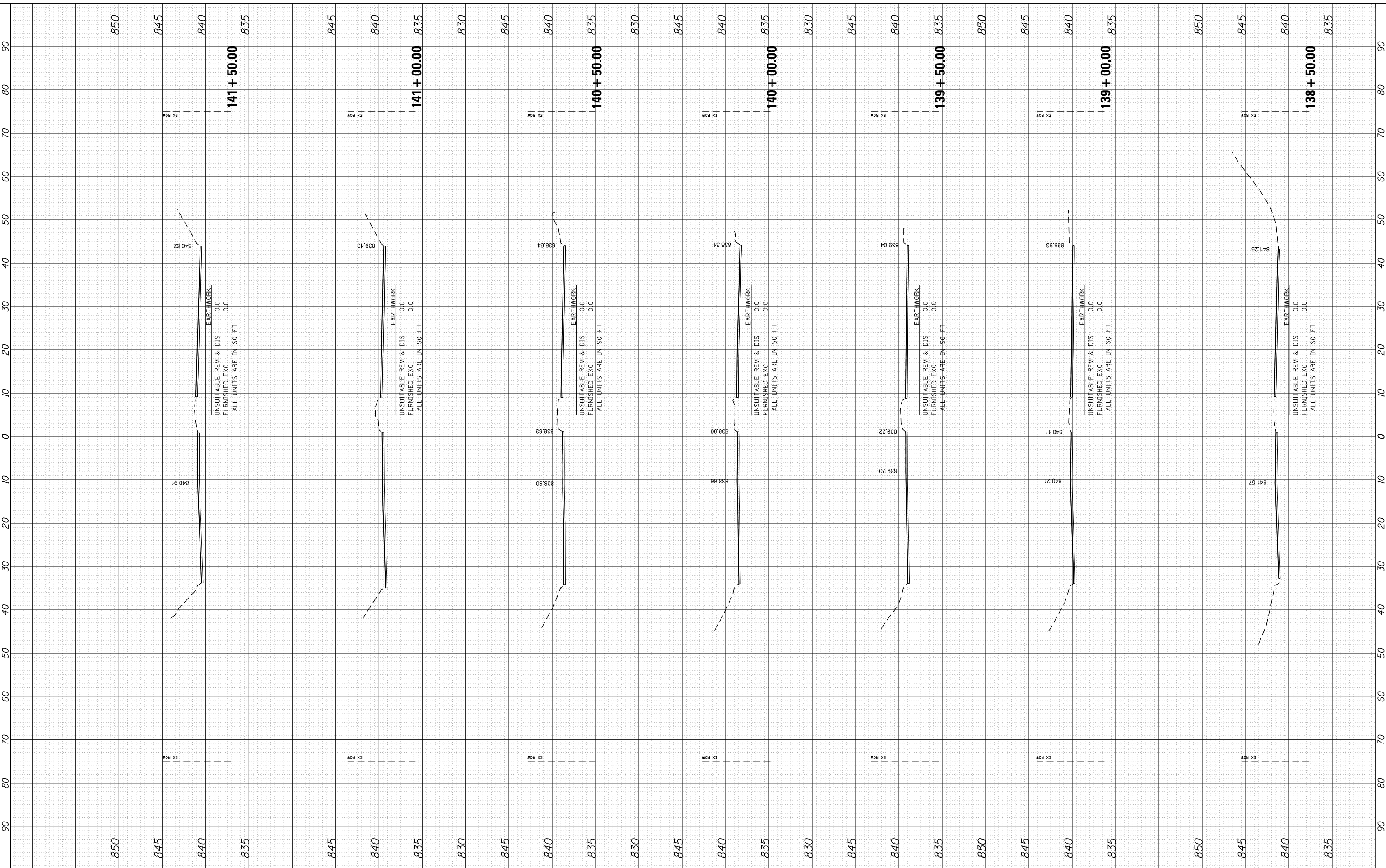
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 1 OF 47 SHEETS STA. 136+00.00 TO STA. 138+38.32

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	58
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:11 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

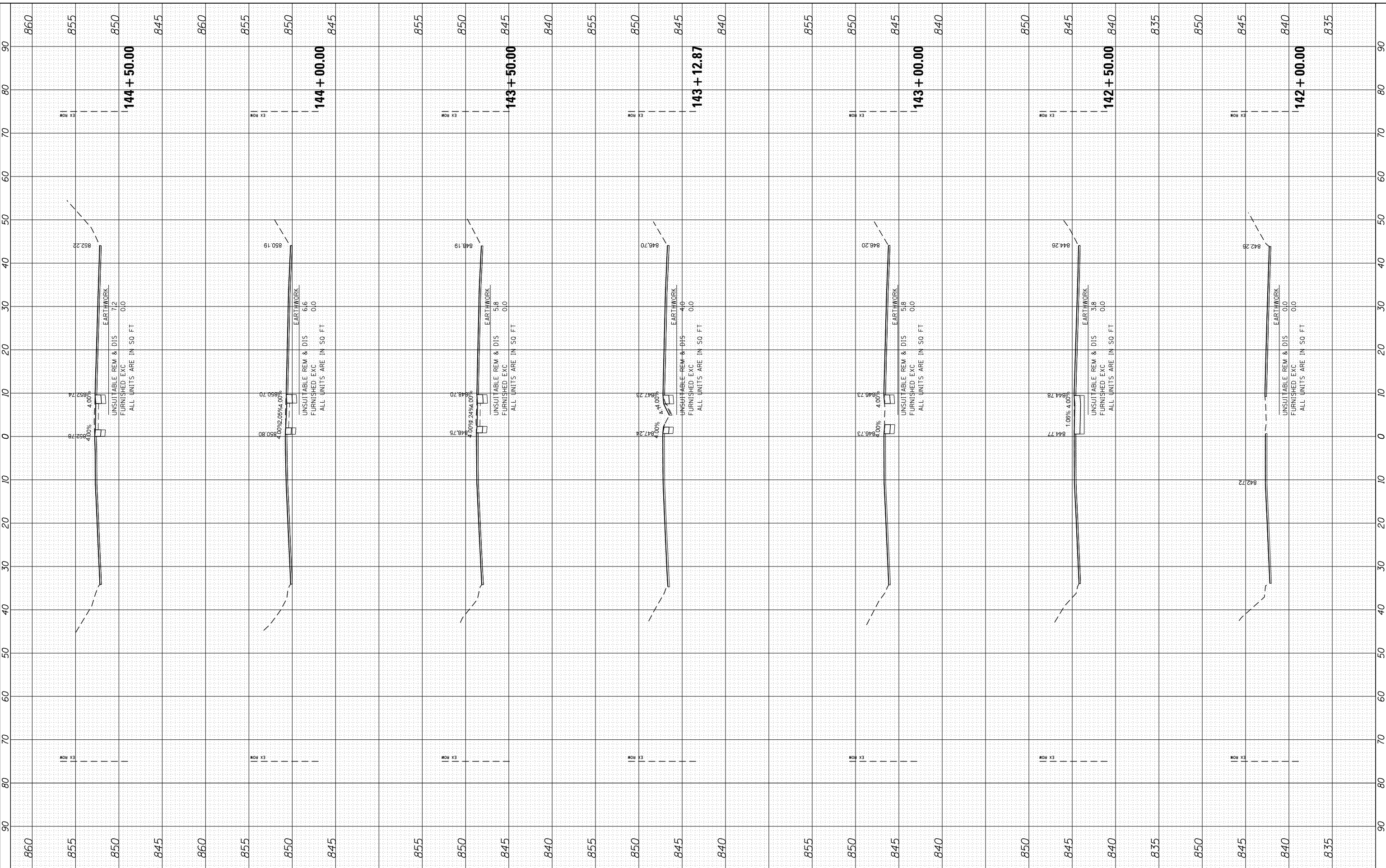
**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 10H:5V SHEET NO. 2 OF 47 SHEETS STA. 138+50.00 TO STA. 141+50.00

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	59
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

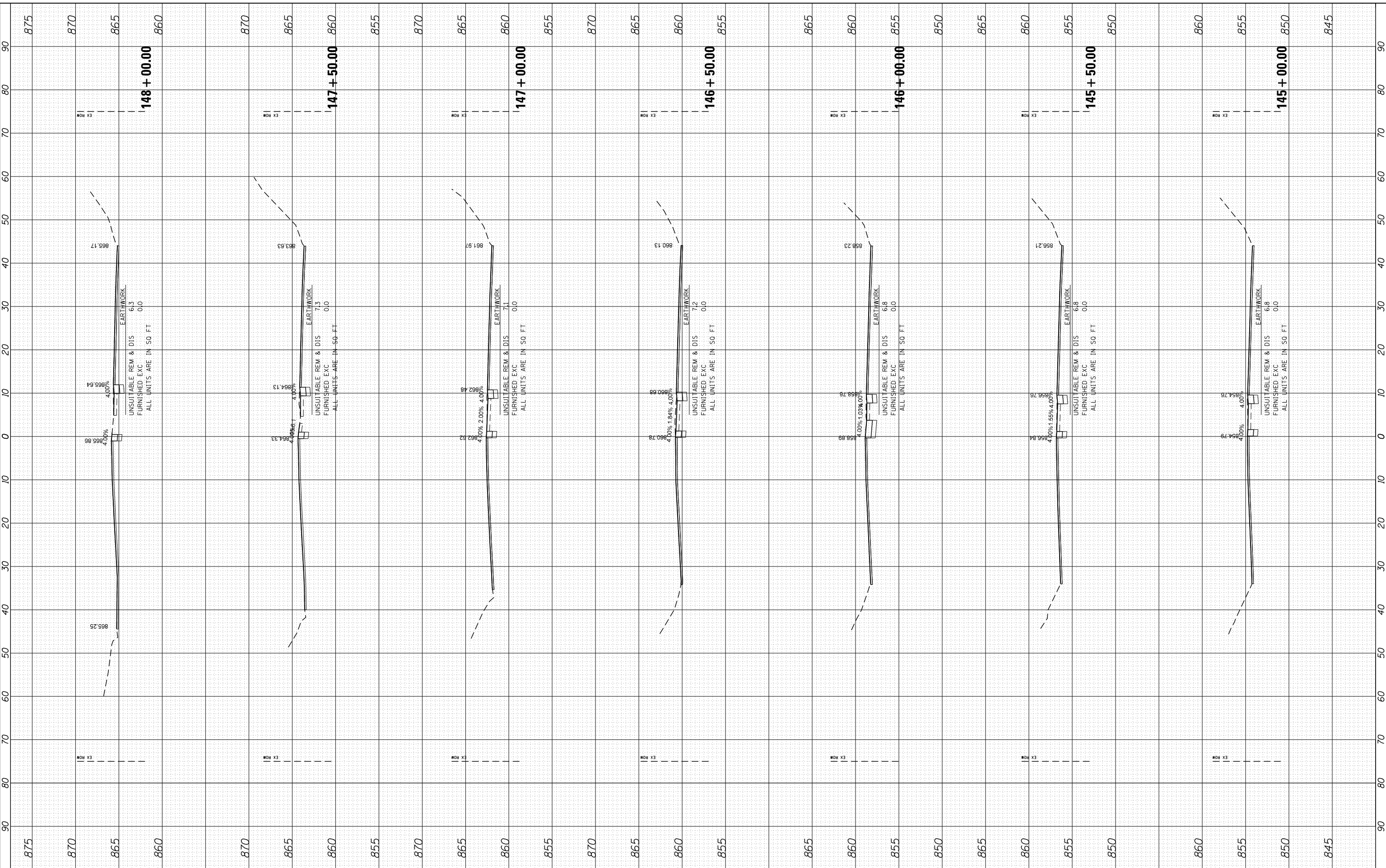
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 3 OF 47 SHEETS STA. 142+00.00 TO STA. 144+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	60
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: H3 HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 5/23/2014 11:39:14 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-US12.dgn
 PEN TABLE: standard-trans.tbl



USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

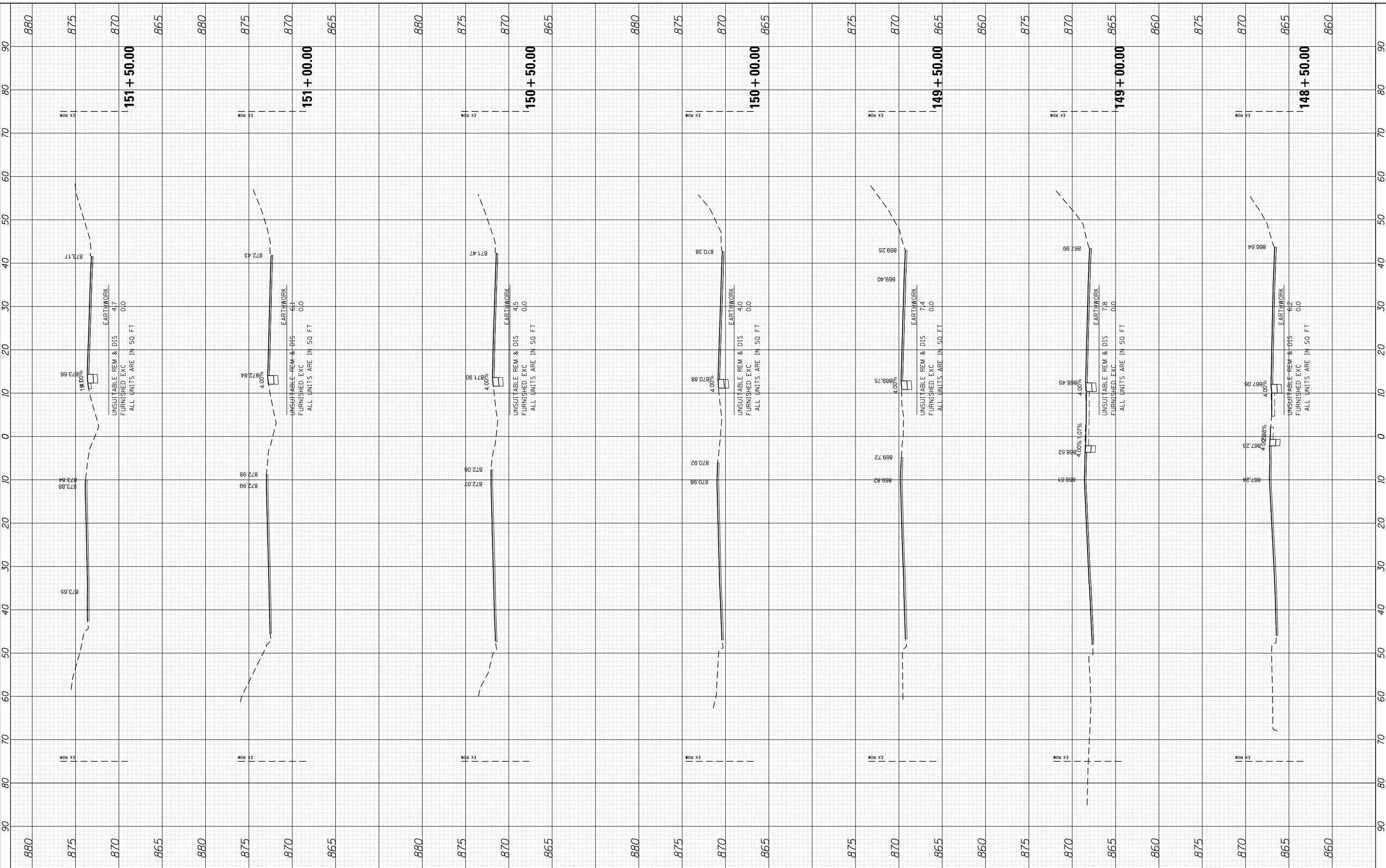
SCALE: 10H:5V SHEET NO. 4 OF 47 SHEETS STA. 145+00.00 TO STA. 148+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	61
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	60N26

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 5/23/2014 11:39:16 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

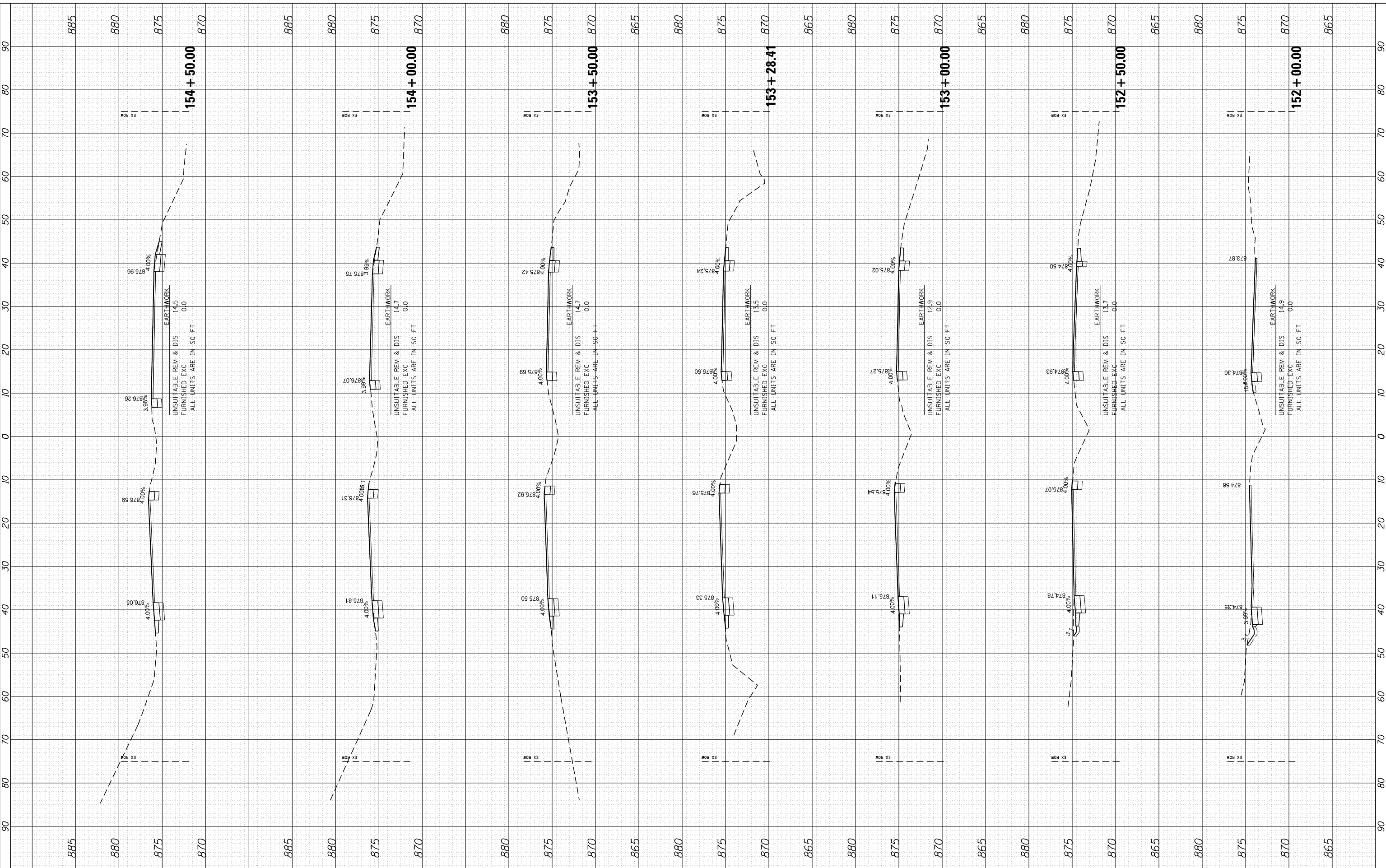
SCALE: 10H:5V SHEET NO. 5 OF 47 SHEETS STA. 148+50.00 TO STA. 151+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	62
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:18 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

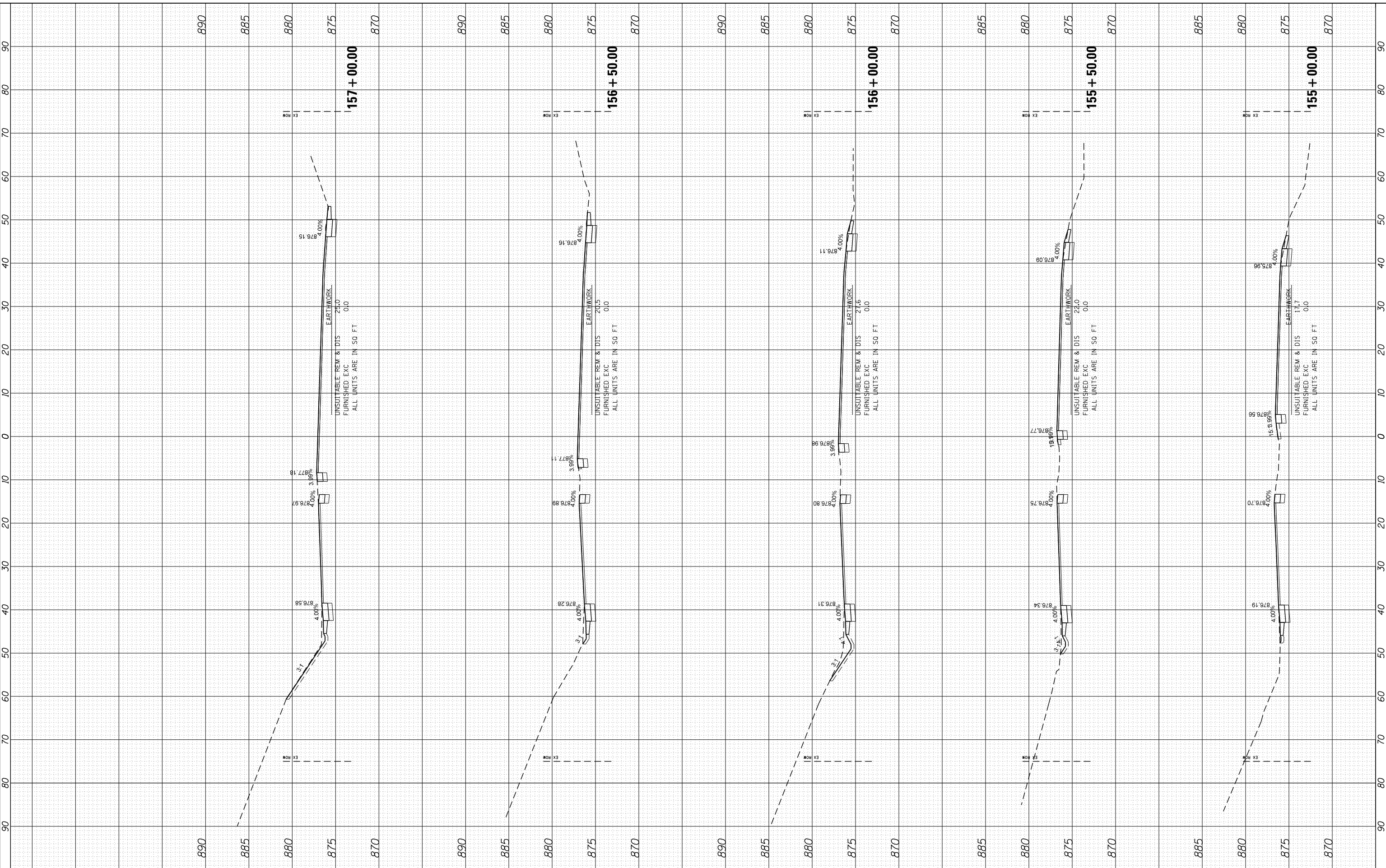
SCALE: 10H:5V SHEET NO. 6 OF 47 SHEETS STA. 152+00.00 TO STA. 154+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	63
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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
 CLIENT: 86100196.10-SHT-xsc-US12.dgn
 DATE PLOTTED: 5/23/2014 11:39:20 AM
 PLOT DRIVER: standard-tpcns.tbl
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HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

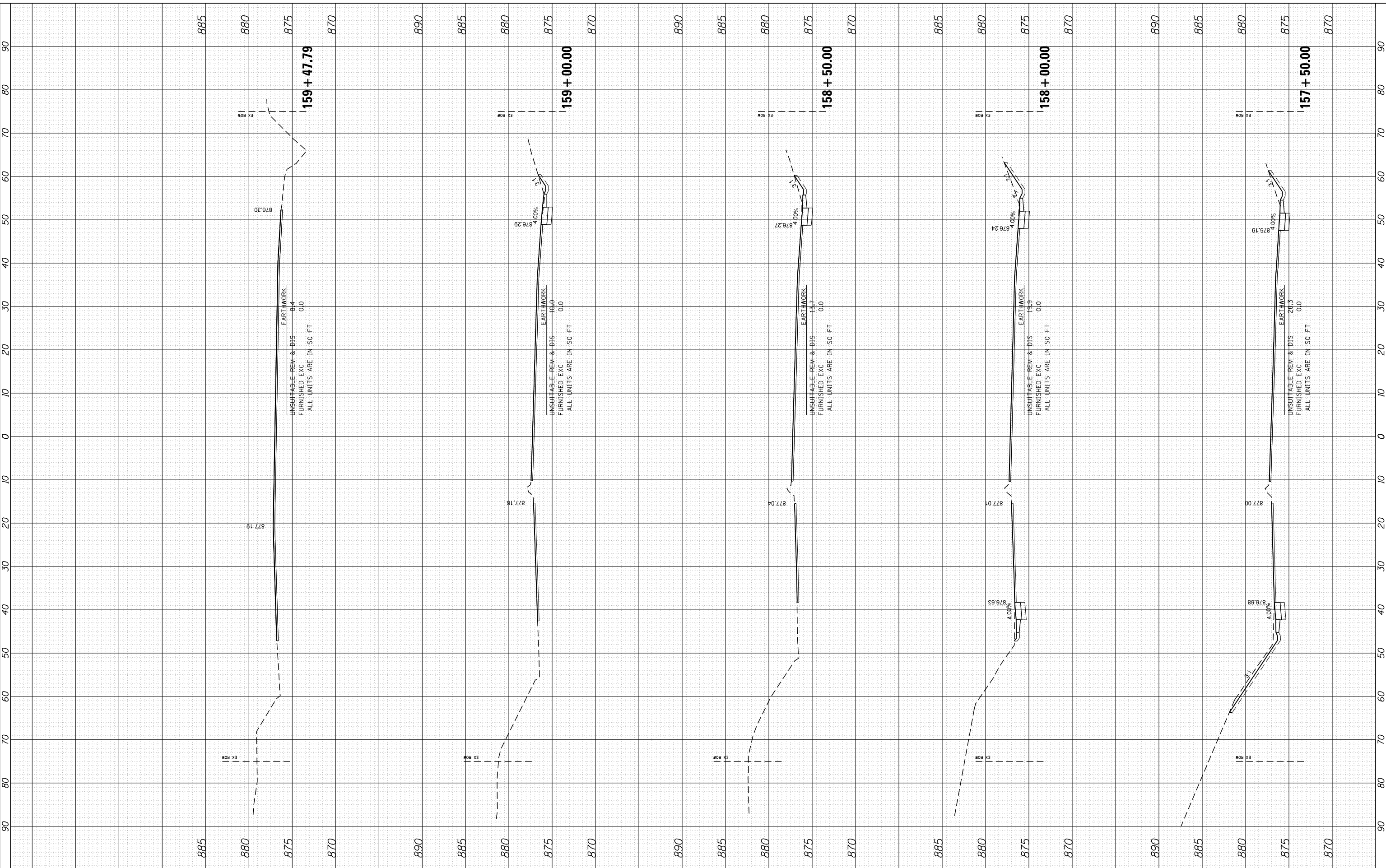
SCALE: 10H:5V SHEET NO. 7 OF 47 SHEETS STA. 155+00.00 TO STA. 157+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	64
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

COMPANY NAME: PROJECT CONTACT: 5/23/2014 11:39:21 AM 86100196.10-SHT-xsc-US12.dgn
 CLIENT: DATE PLOTTED: PLOT DRIVER: standard-trans.tbl
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HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

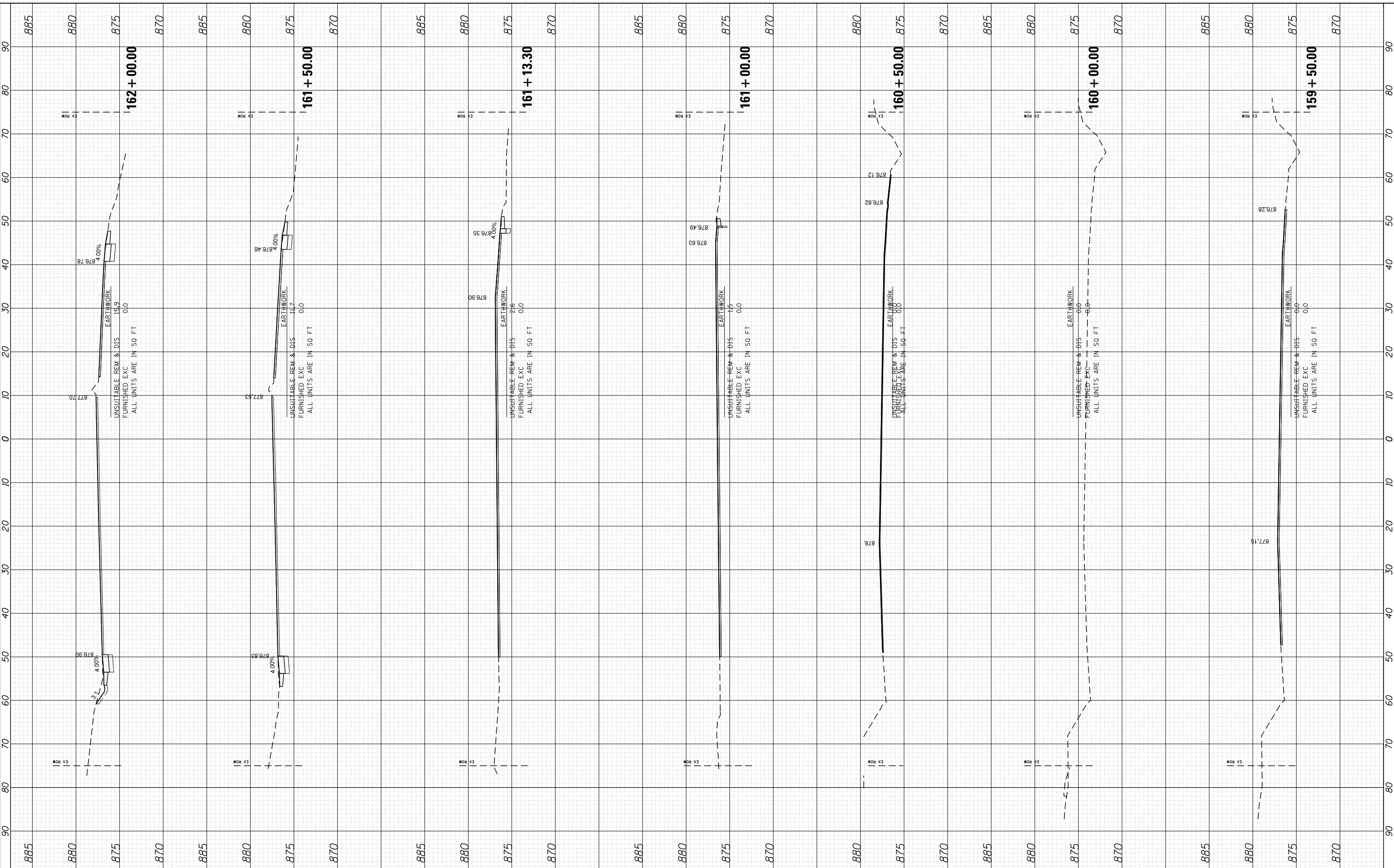
SCALE: 10H:5V SHEET NO. 8 OF 47 SHEETS STA. 157+50.00 TO STA. 159+47.79

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	65
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 5/23/2014 11:39:23 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-USI2.dgn
 PEN TABLE: standard-trans.tbl



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

USER NAME = dstencz	DESIGNED -
86100196.10-SHT-xsc-USI2.dgn	DRAWN -
PLOT SCALE = 10H:5V	CHECKED -
PLOT DATE = 5/23/2014	DATE - 5/23/14

REVISED -
REVISED -
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REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

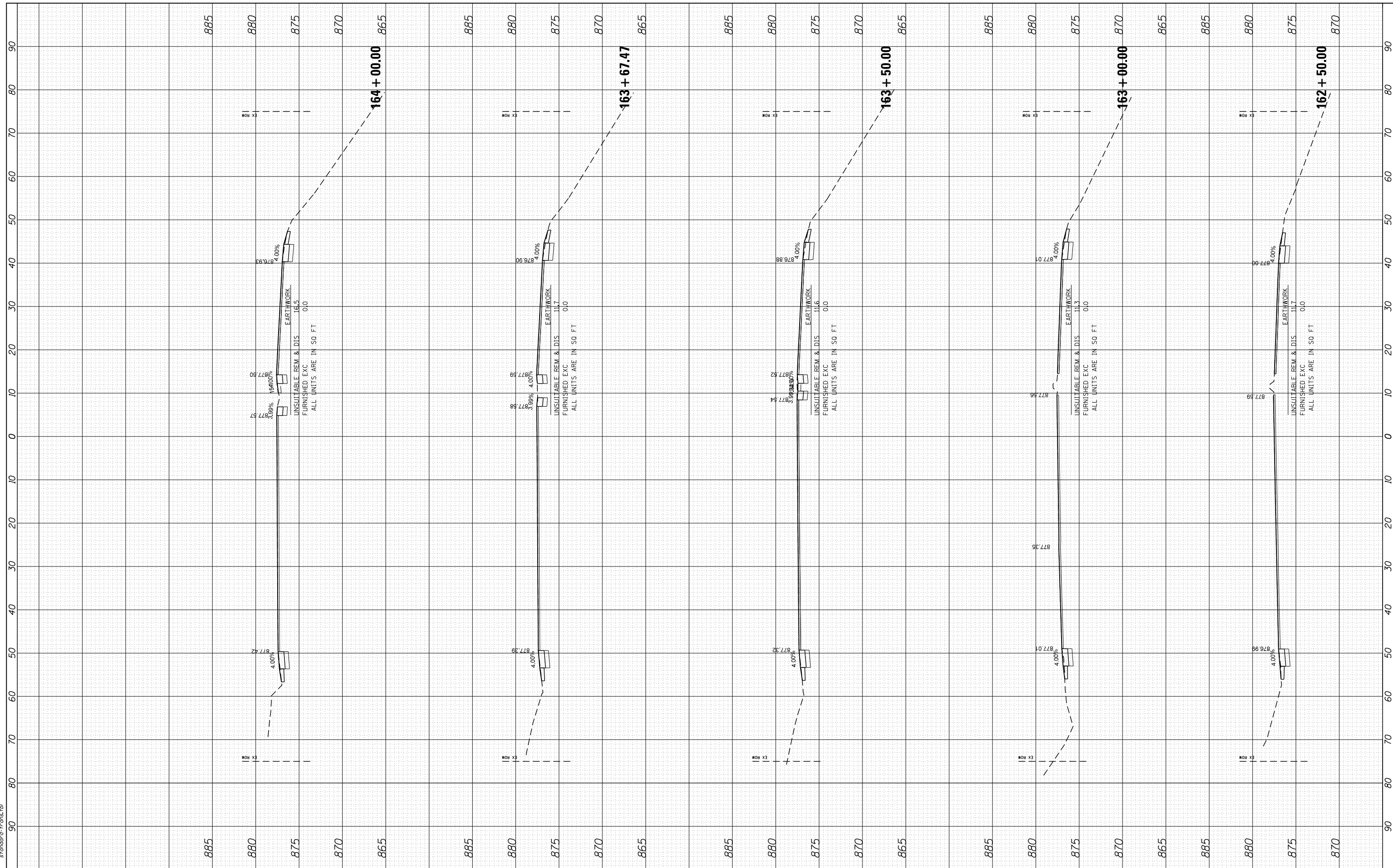
**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 10H:5V SHEET NO. 9 OF 47 SHEETS STA. 159+50.00 TO STA. 162+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	66
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:25 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: Standard-Trans.tbl
 PEN TABLE:



USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

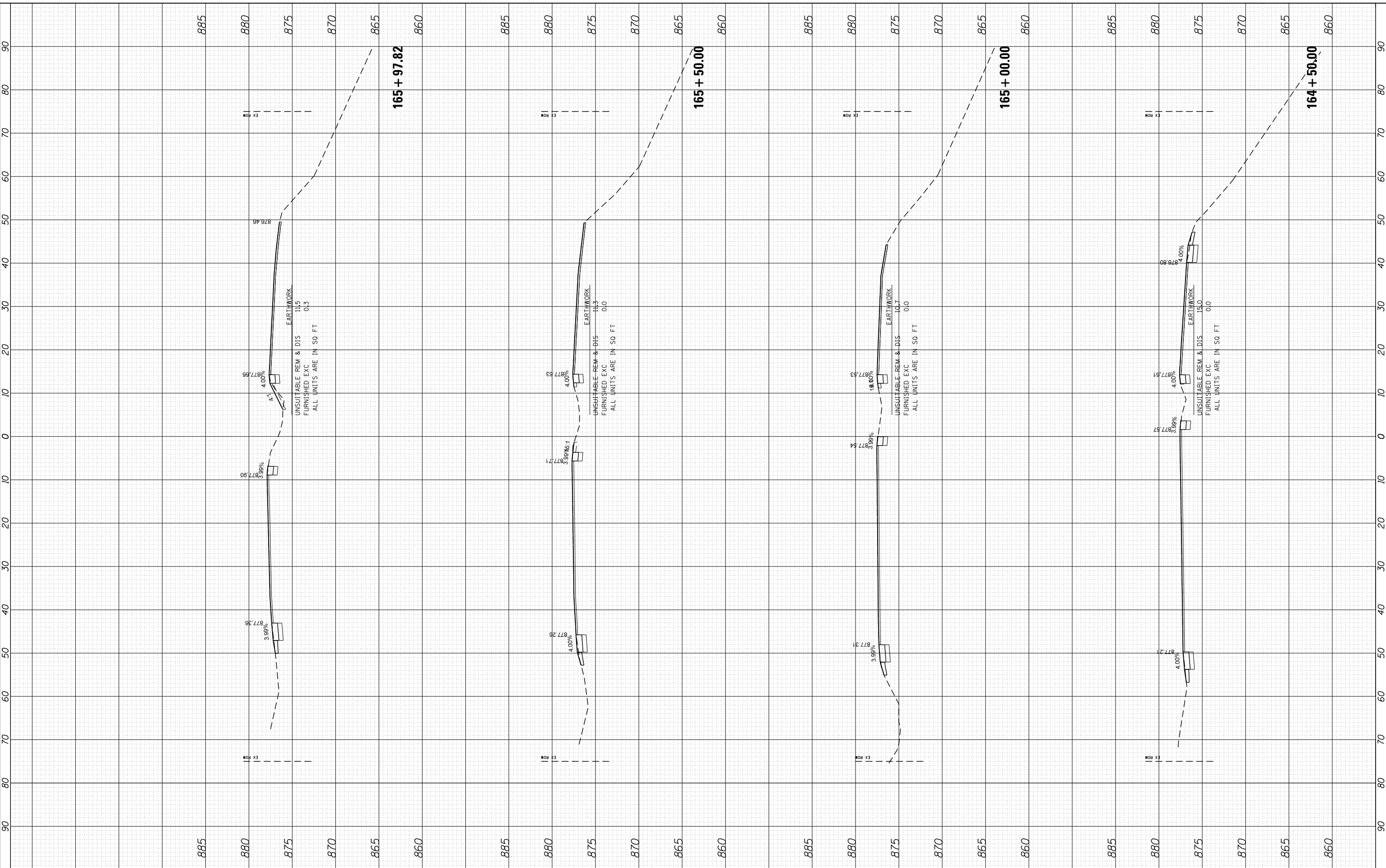
SCALE: 10H:5V SHEET NO. 10 OF 47 SHEETS STA. 162+50.00 TO STA. 164+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	67
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:26 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
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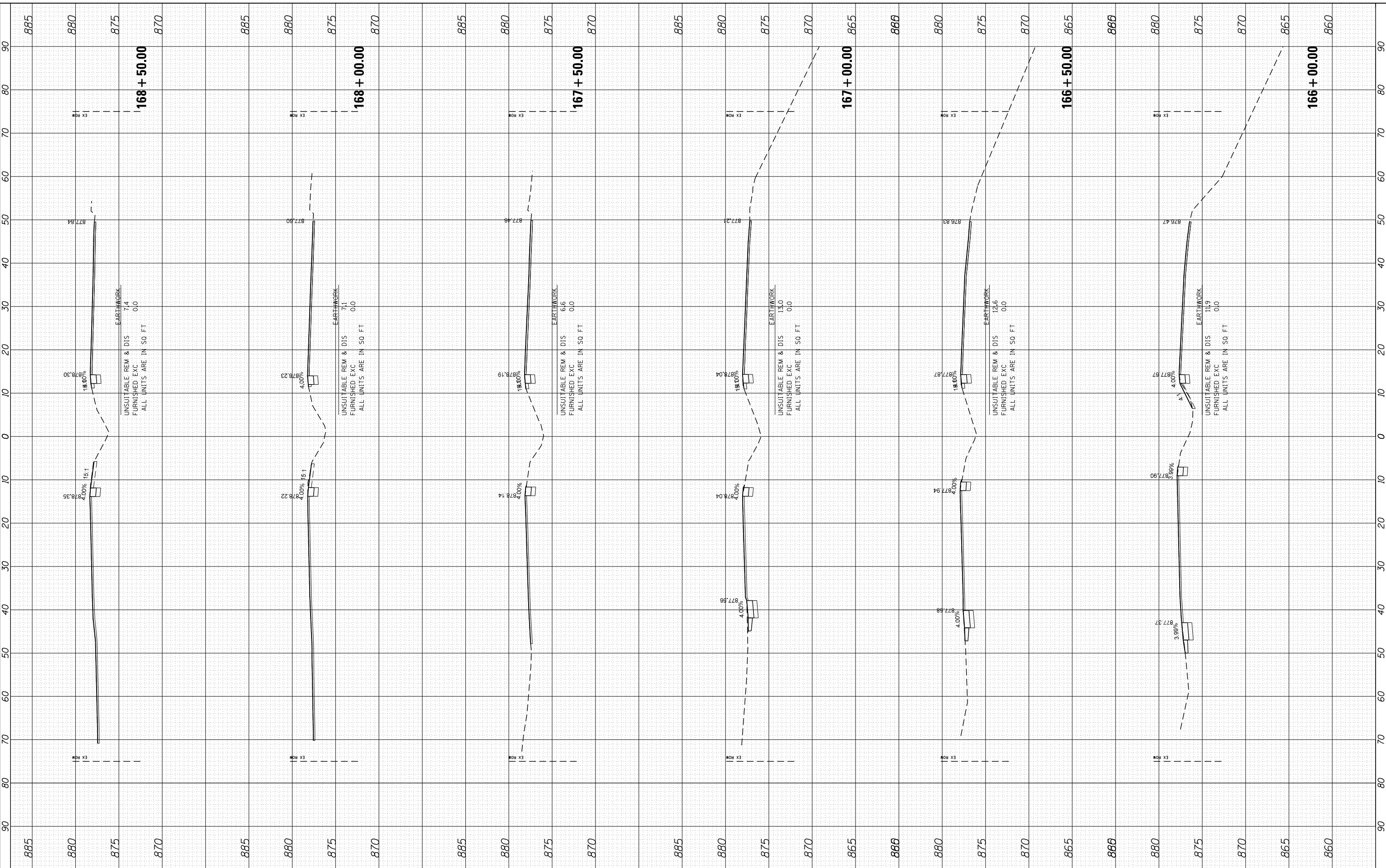


	USER NAME = dstencz DESIGNED - DRAWN - CHECKED - DATE - 5/23/14	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US ROUTE 12 (ELA RD. TO LAKE COOK RD.)		F.A. RT. # 334 SECTION SY-3-RS-4 COUNTY LAKE TOTAL SHEETS 104 SHEET NO. 68
	PLOT SCALE = 10H:5V PLOT DATE = 5/23/2014	SCALE: 10H:5V SHEET NO. 11 OF 47 SHEETS STA. 164+50.00 TO STA. 165+97.82		CONTRACT NO. 60N26 ILLINOIS FED. AID PROJECT		

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: 5/23/2014 11:39:28 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
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 PEN TABLE:



DESIGNED	-	REVIS	-
DRAWN	-	REVIS	-
CHECKED	-	REVIS	-
DATE	5/23/14	REVIS	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

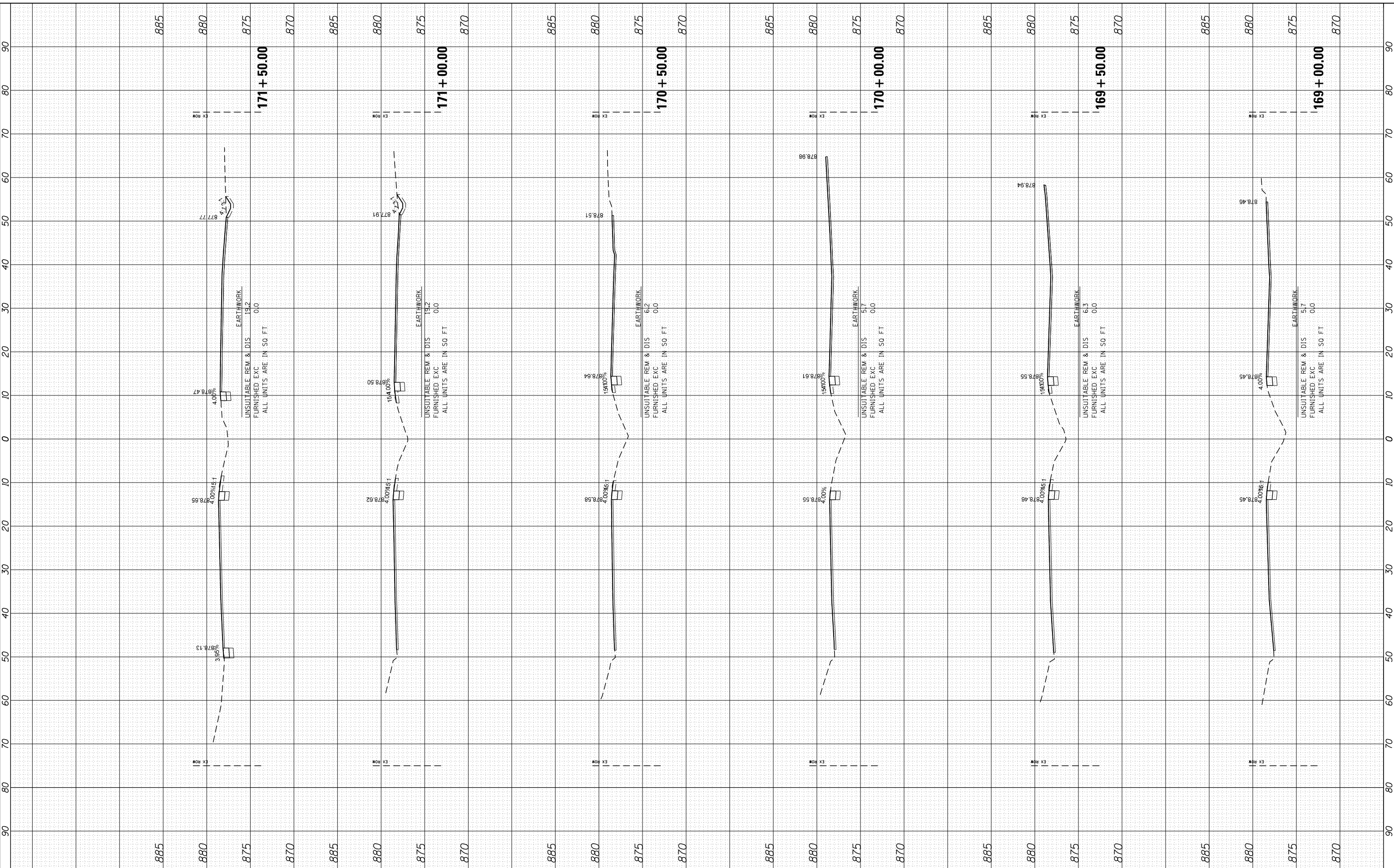
CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 12 OF 47 SHEETS STA. 166+00.00 TO STA. 168+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-3-RS-4	LAKE	104	69
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:29:30 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
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HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

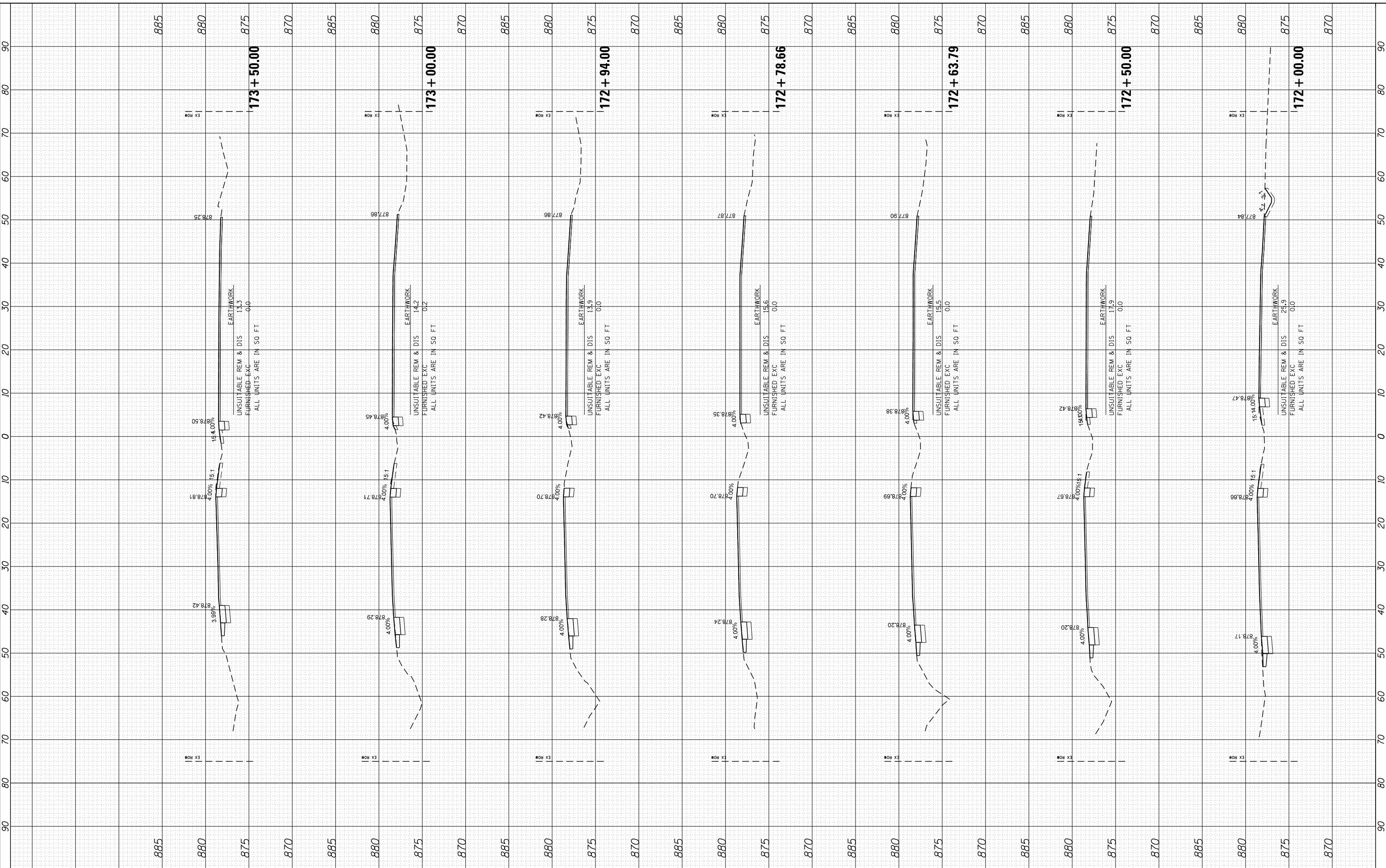
SCALE: 10H:5V SHEET NO. 13 OF 47 SHEETS STA. 169+00.00 TO STA. 171+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	70
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 5/23/2014 11:29:31 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-US12.dgn
 PEN TABLE: standard-trans.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

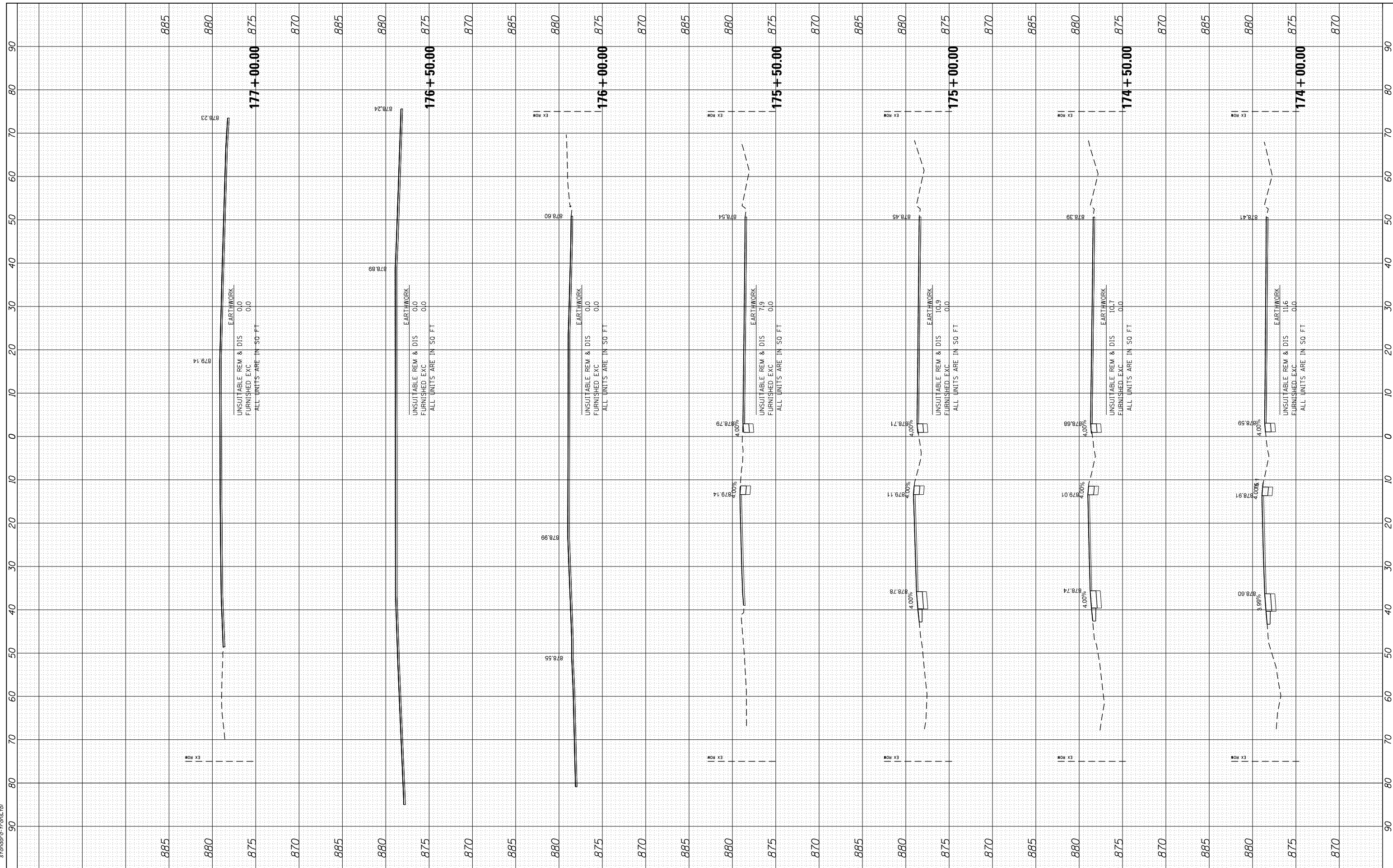
SCALE: 10H:5V SHEET NO. 14 OF 47 SHEETS STA. 172+00.00 TO STA. 173+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	71
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 5/23/2014 11:29:33 AM
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

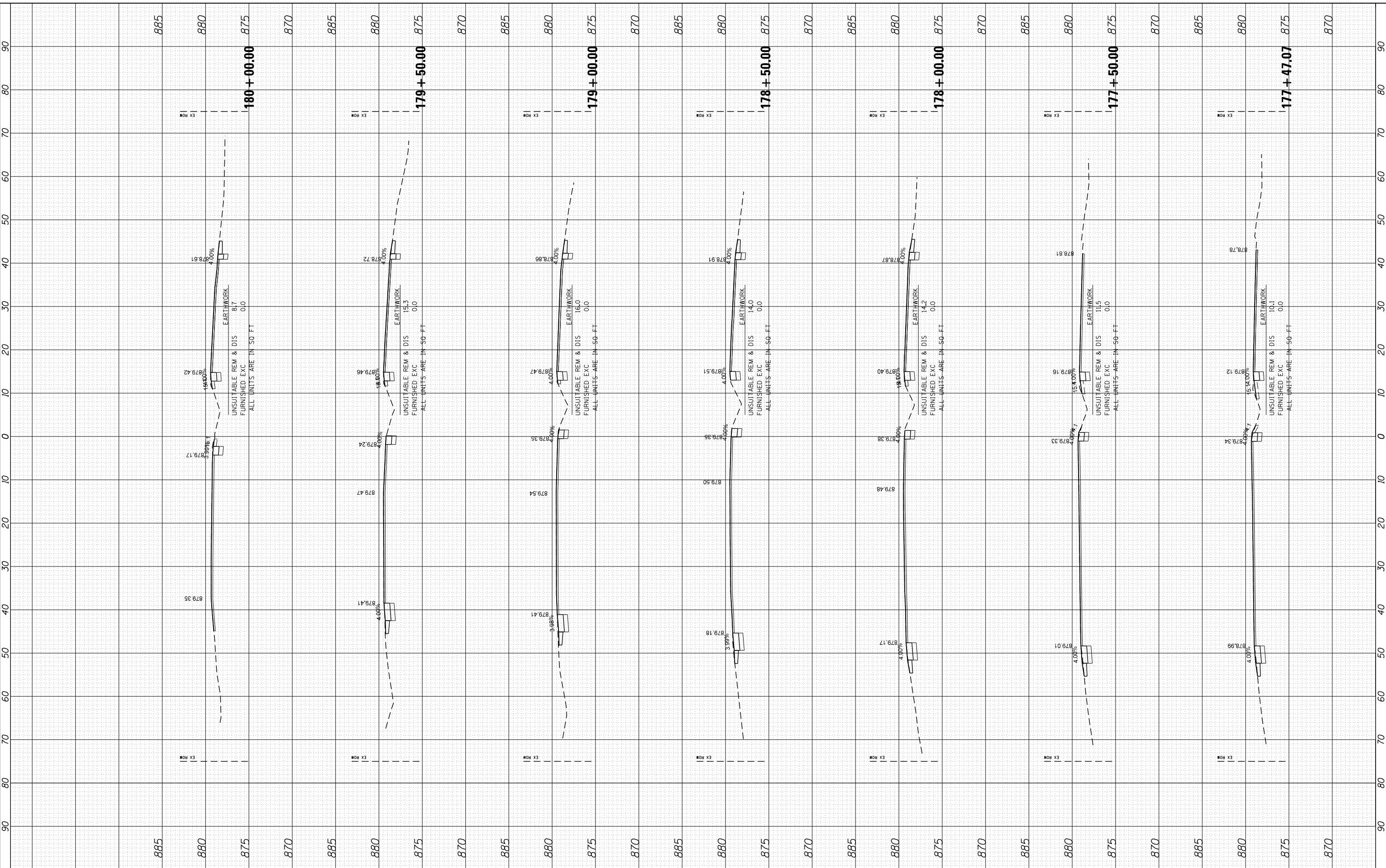
SCALE: 10H:5V SHEET NO. 15 OF 47 SHEETS STA. 174+00.00 TO STA. 177+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	72
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 5/23/2014 11:39:35 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-USI2.dgn
 PEN TABLE: standard-trans.tbl



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

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-USI2.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

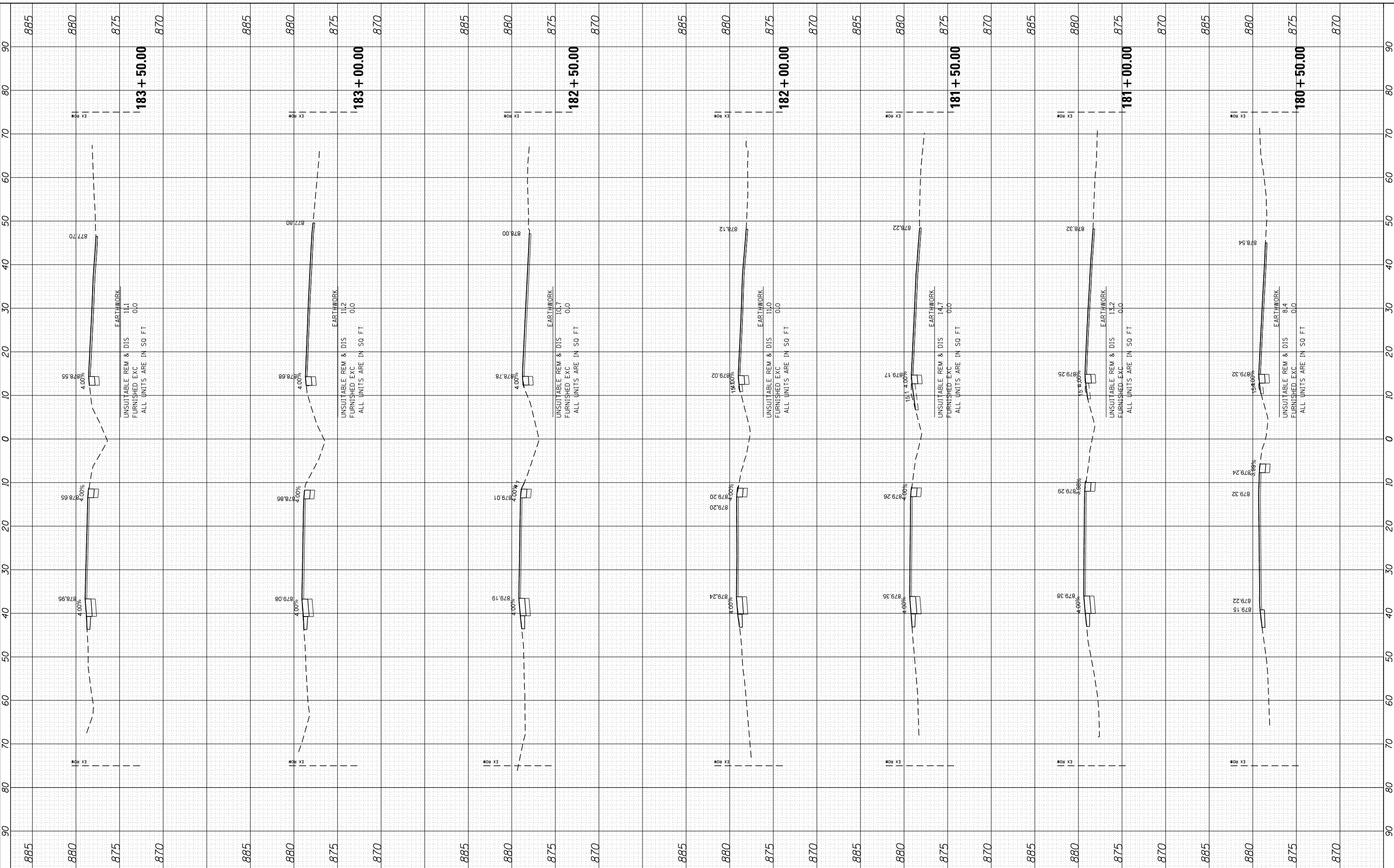
SCALE: 10H:5V SHEET NO. 16 OF 47 SHEETS STA. 177+47.07 TO STA. 180+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	73
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 86100196.10-SHT-xsc-US12.dgn
 CLIENT: 5/23/2014 11:29:36 AM
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DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE - 5/23/14	REVISÉ -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

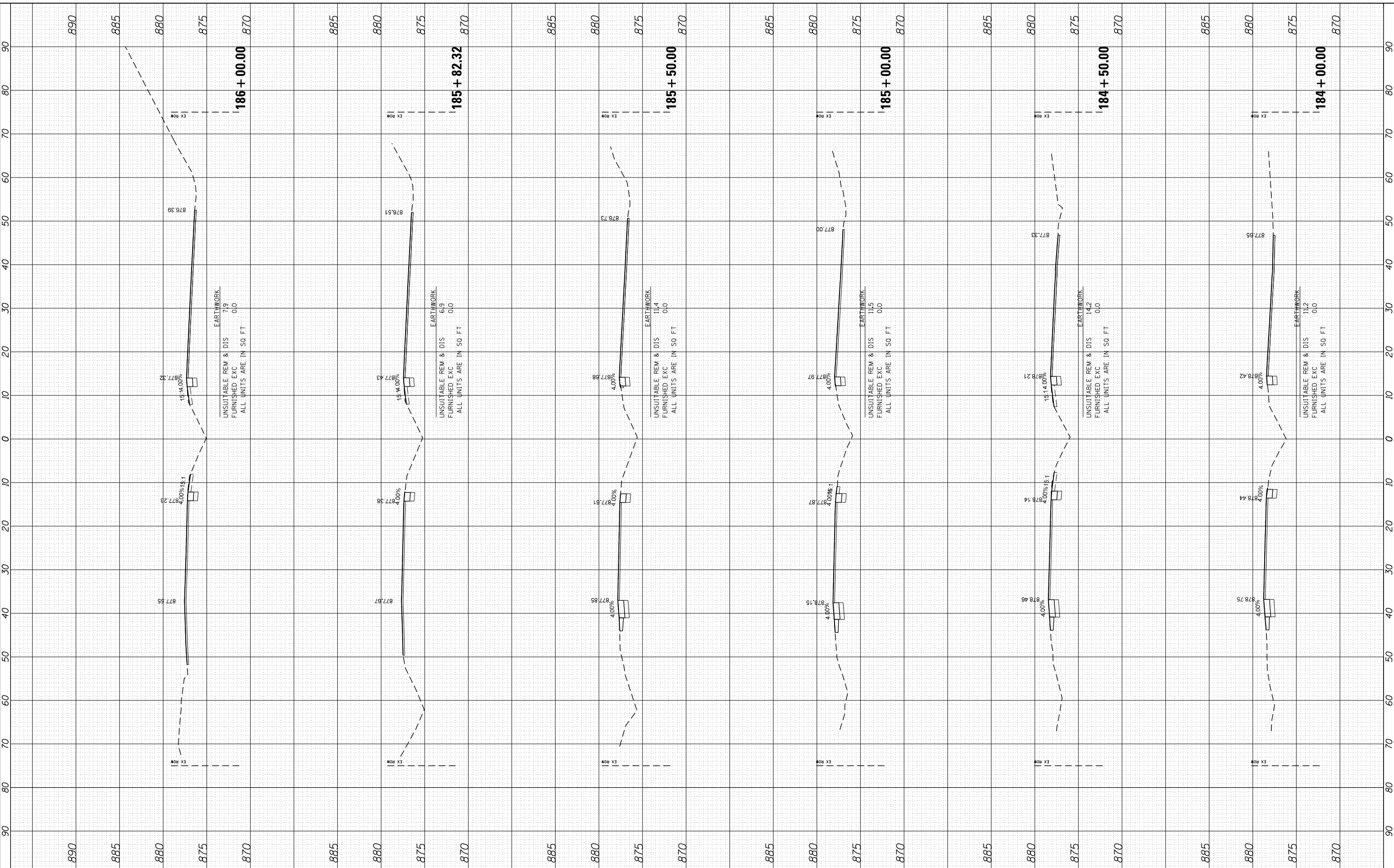
CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 17 OF 47 SHEETS STA. 180+50.00 TO STA. 183+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	74
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	60N26

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:29:38 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl



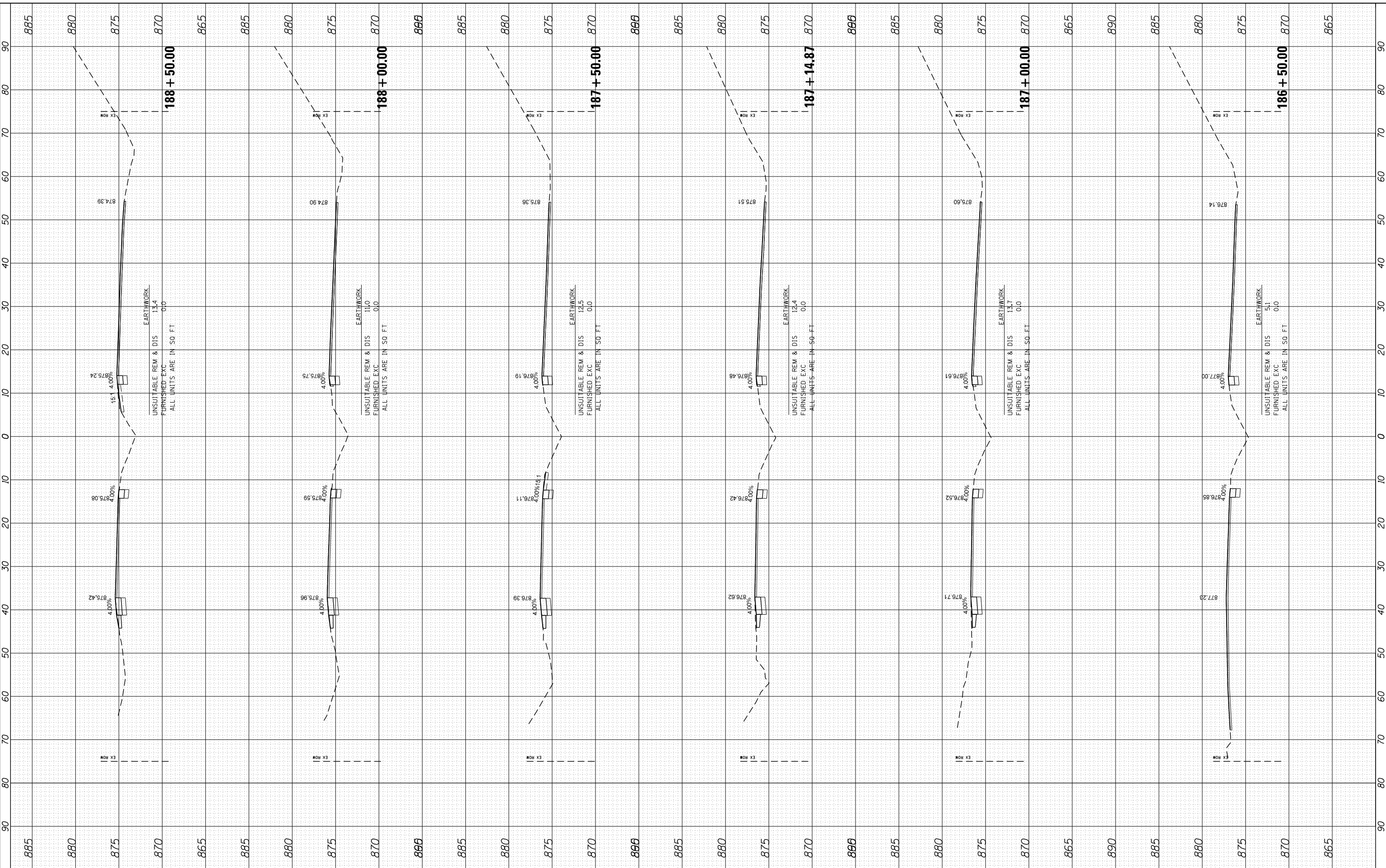
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS	CROSS SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION	US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	• 334	SY-3-RS-4	LAKE	104	75
	SCALE: 10H:5V	SHEET NO. 18 OF 47 SHEETS	STA. 184+00.00 TO STA. 186+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:29:40 AM
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USER NAME = dstencz	DESIGNED -	REVISED -
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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

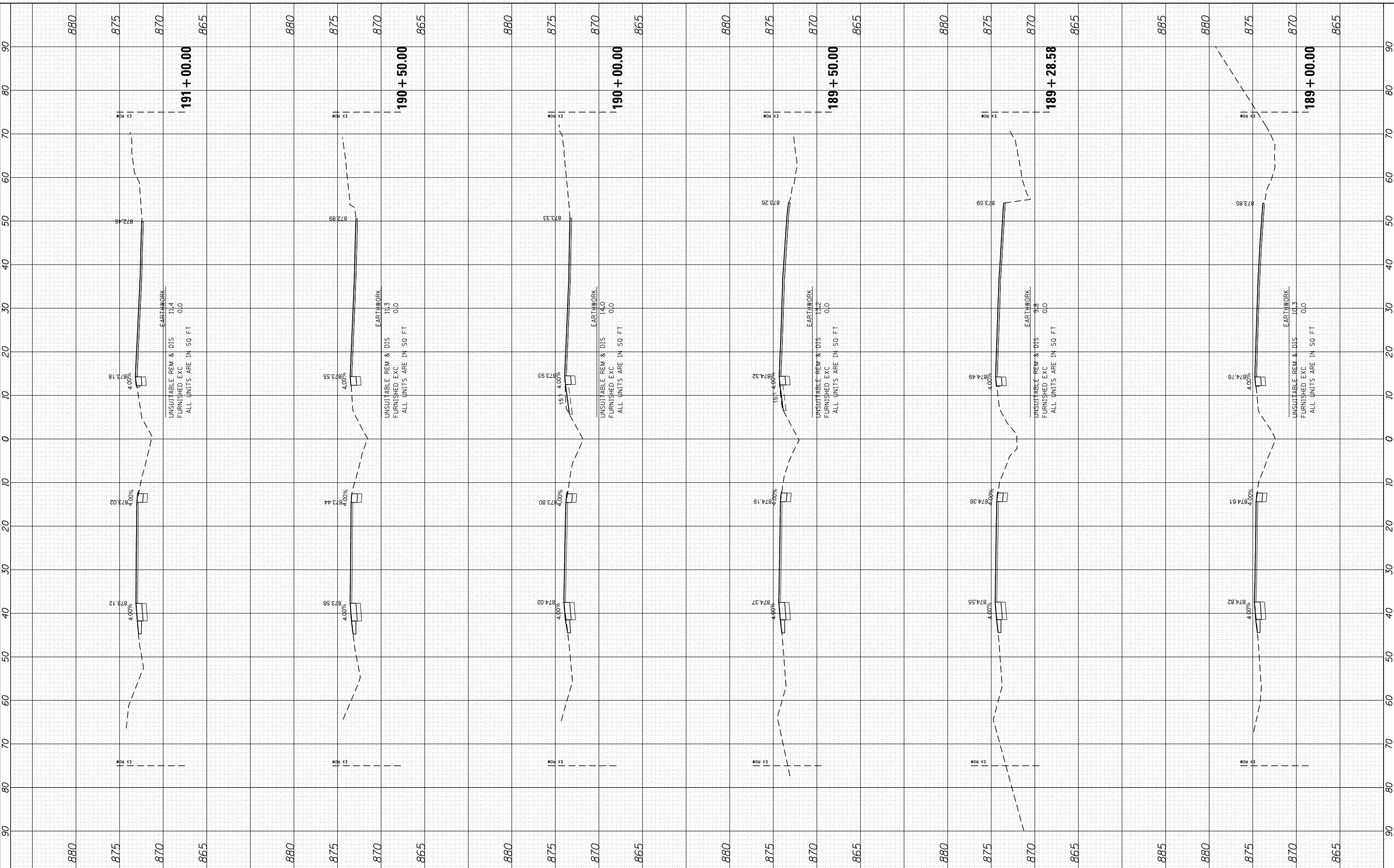
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 19 OF 47 SHEETS STA. 186+50.00 TO STA. 188+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	76
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:29:41 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



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DESIGNED	-
REVISIONS	-
DRAWN	-
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DATE	= 5/23/14
REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

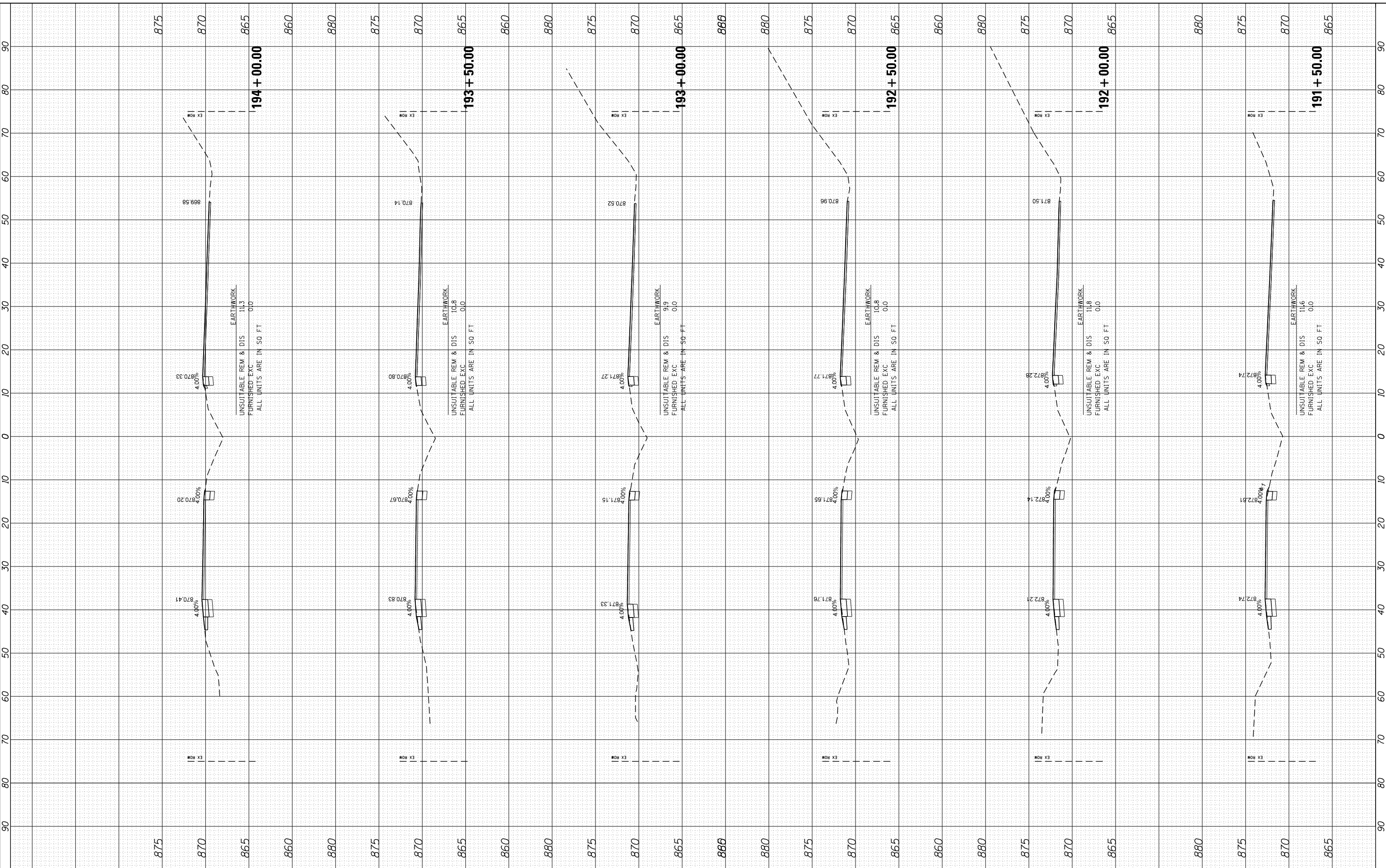
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
SCALE: 10H:5V
SHEET NO. 20 OF 47 SHEETS
STA. 189+00.00 TO STA. 191+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	77
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	60N26

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:43 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

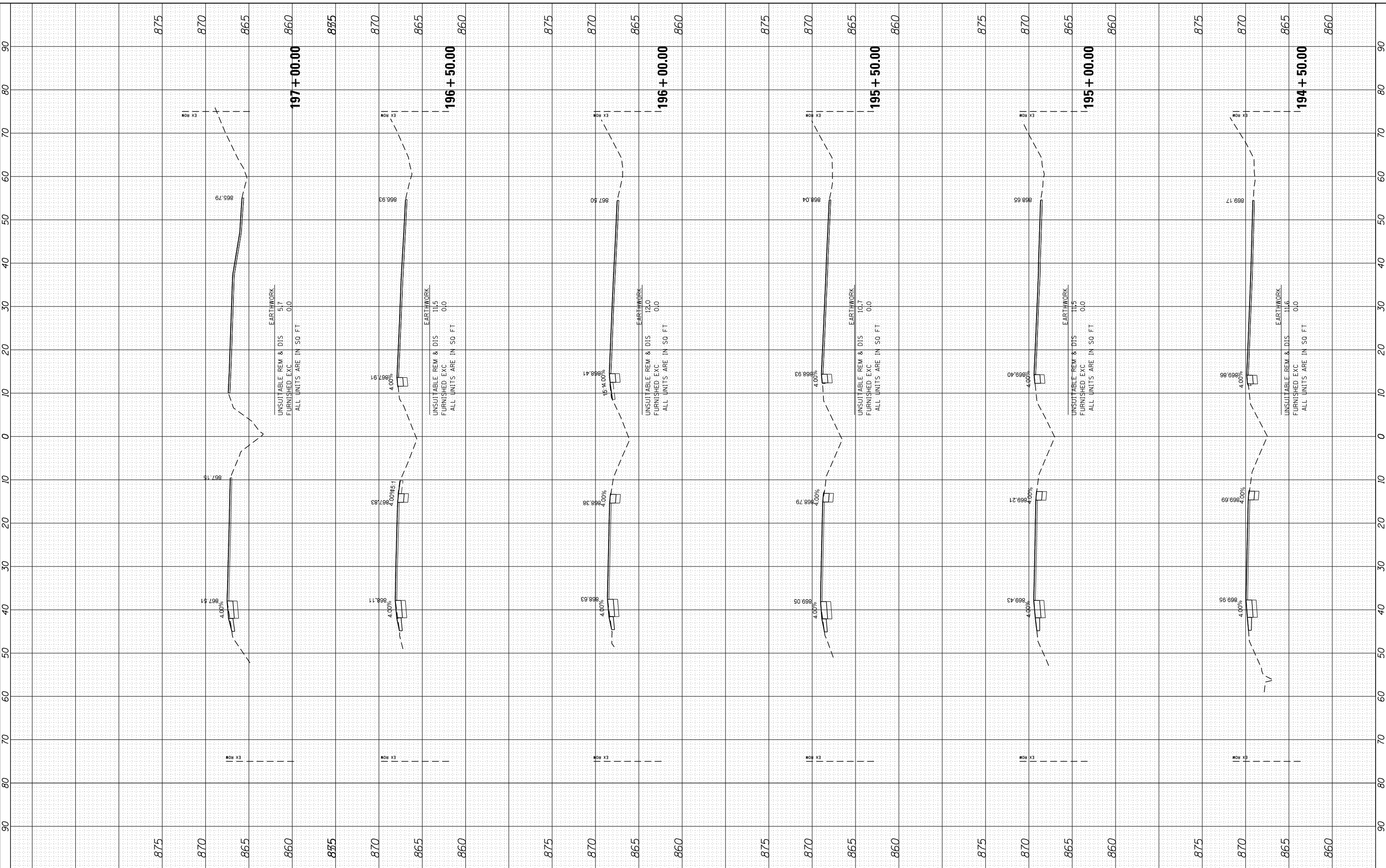
STATE OF ILLINOIS	CROSS SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION	US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	• 334	SY-3-RS-4	LAKE	104	78
	SCALE: 10H:5V	SHEET NO. 21 OF 47 SHEETS	STA. 191+50.00 TO STA. 194+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

CONTRACT NO. 60N26

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 5/23/2014 11:39:45 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-US12.dgn
 PEN TABLE: standard-trans.tbl



197+00.00

196+50.00

196+00.00

195+50.00

195+00.00

194+50.00

UNSUITABLE REM & DIS 51.7
 FURNISHED EXC 0.0
 ALL UNITS ARE IN SQ. FT.
 EARTHWORK

UNSUITABLE REM & DIS 11.5
 FURNISHED EXC 0.0
 ALL UNITS ARE IN SQ. FT.
 EARTHWORK

UNSUITABLE REM & DIS 12.0
 FURNISHED EXC 0.0
 ALL UNITS ARE IN SQ. FT.
 EARTHWORK

UNSUITABLE REM & DIS 10.7
 FURNISHED EXC 0.0
 ALL UNITS ARE IN SQ. FT.
 EARTHWORK

UNSUITABLE REM & DIS 11.5
 FURNISHED EXC 0.0
 ALL UNITS ARE IN SQ. FT.
 EARTHWORK

UNSUITABLE REM & DIS 11.6
 FURNISHED EXC 0.0
 ALL UNITS ARE IN SQ. FT.
 EARTHWORK

USER NAME	= dstencz
DESIGNED	-
REVISOR	-
REVISION	-
DATE	5/23/14

DESIGNED	-
REVISOR	-
REVISION	-
DATE	5/23/14

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

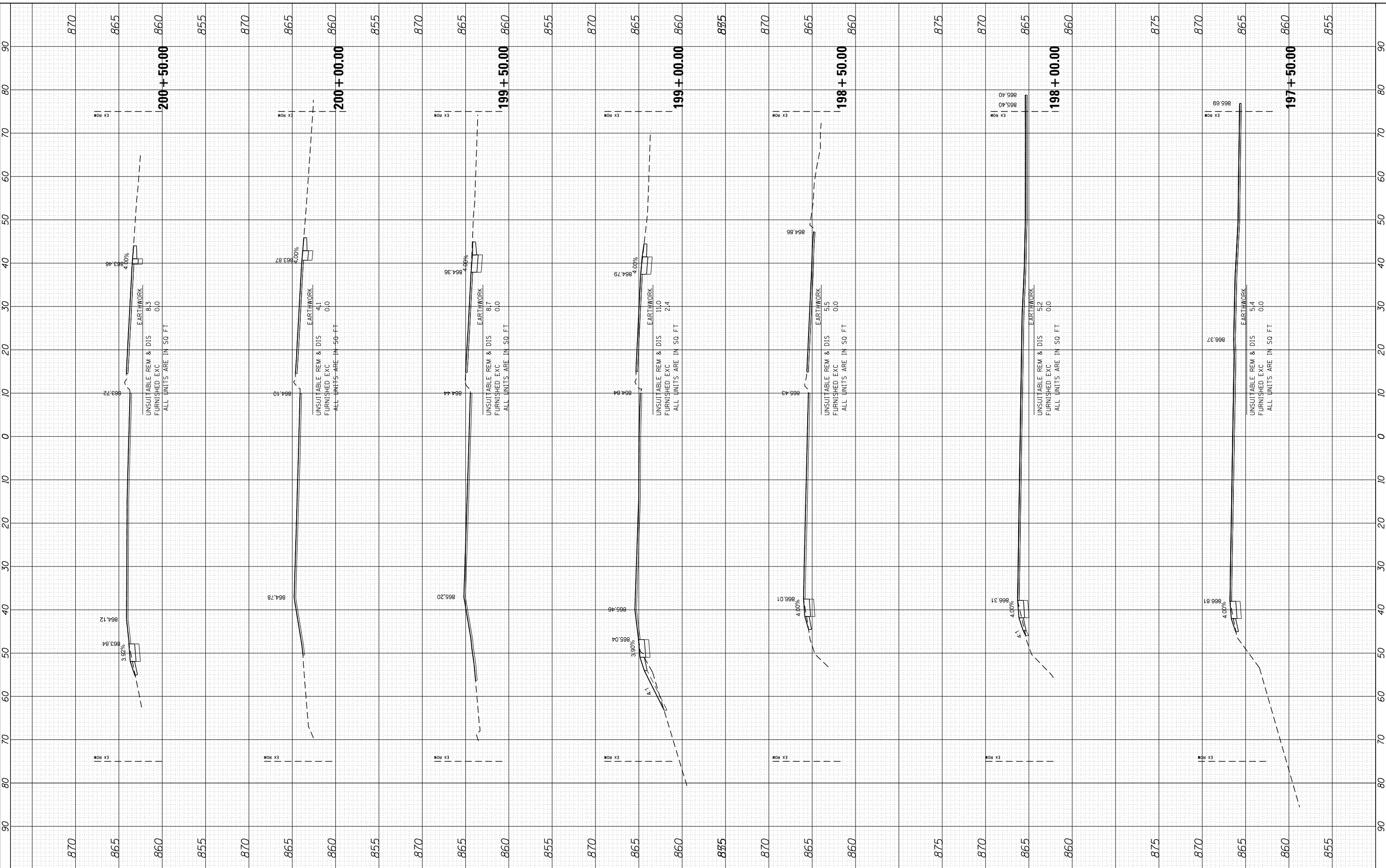
SCALE: 10H:5V SHEET NO. 22 OF 47 SHEETS STA. 194+50.00 TO STA. 197+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	79
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:29:46 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

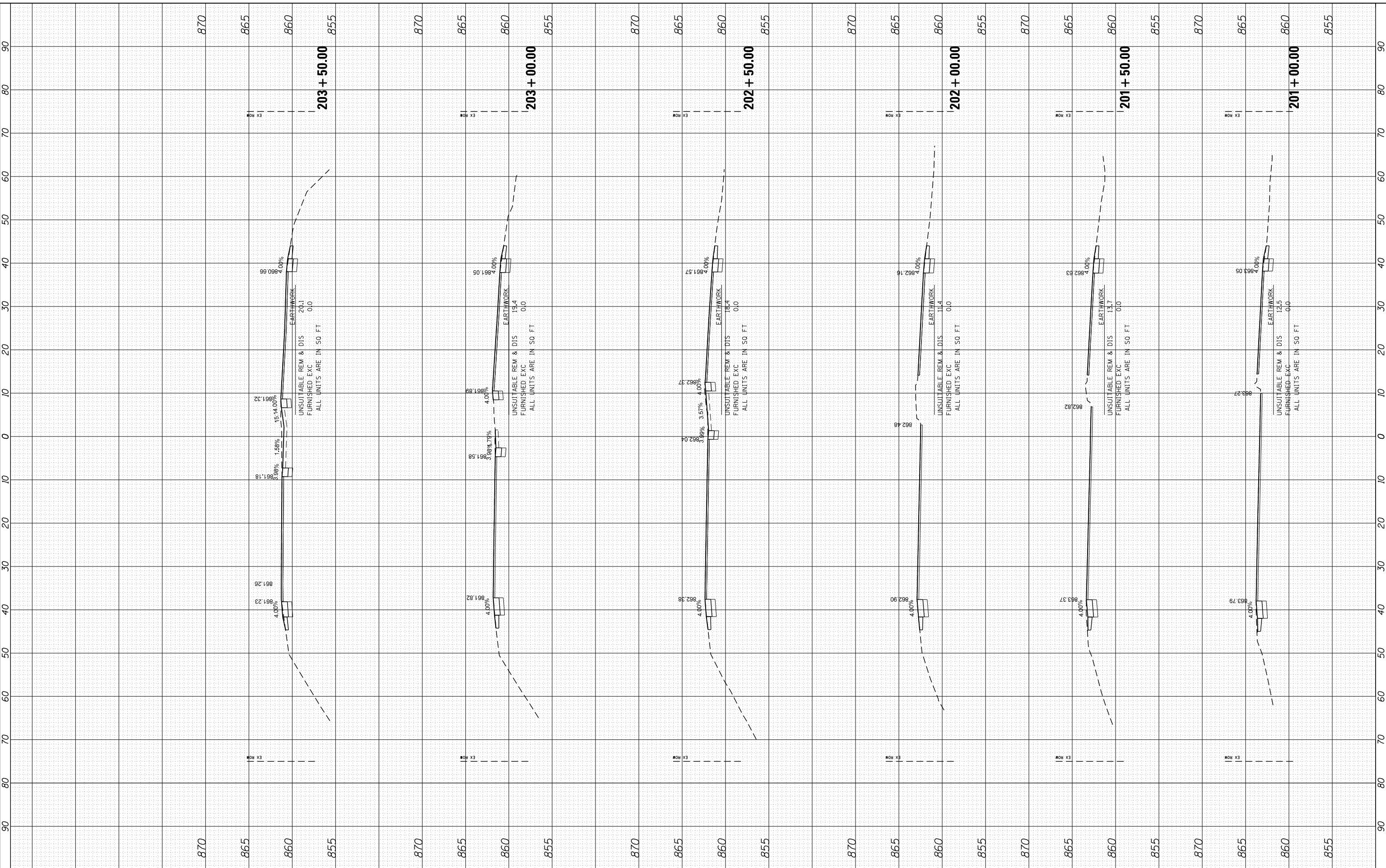
SCALE: 10H:5V SHEET NO. 23 OF 47 SHEETS STA. 197+50.00 TO STA. 200+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	80
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	60N26

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: ILLINOIS PROFESSIONAL DESIGN FIRM
 DATE PLOTTED: 5/23/2014 11:39:48 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-US12.dgn
 PEN TABLE: standard-trans.tbl



USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

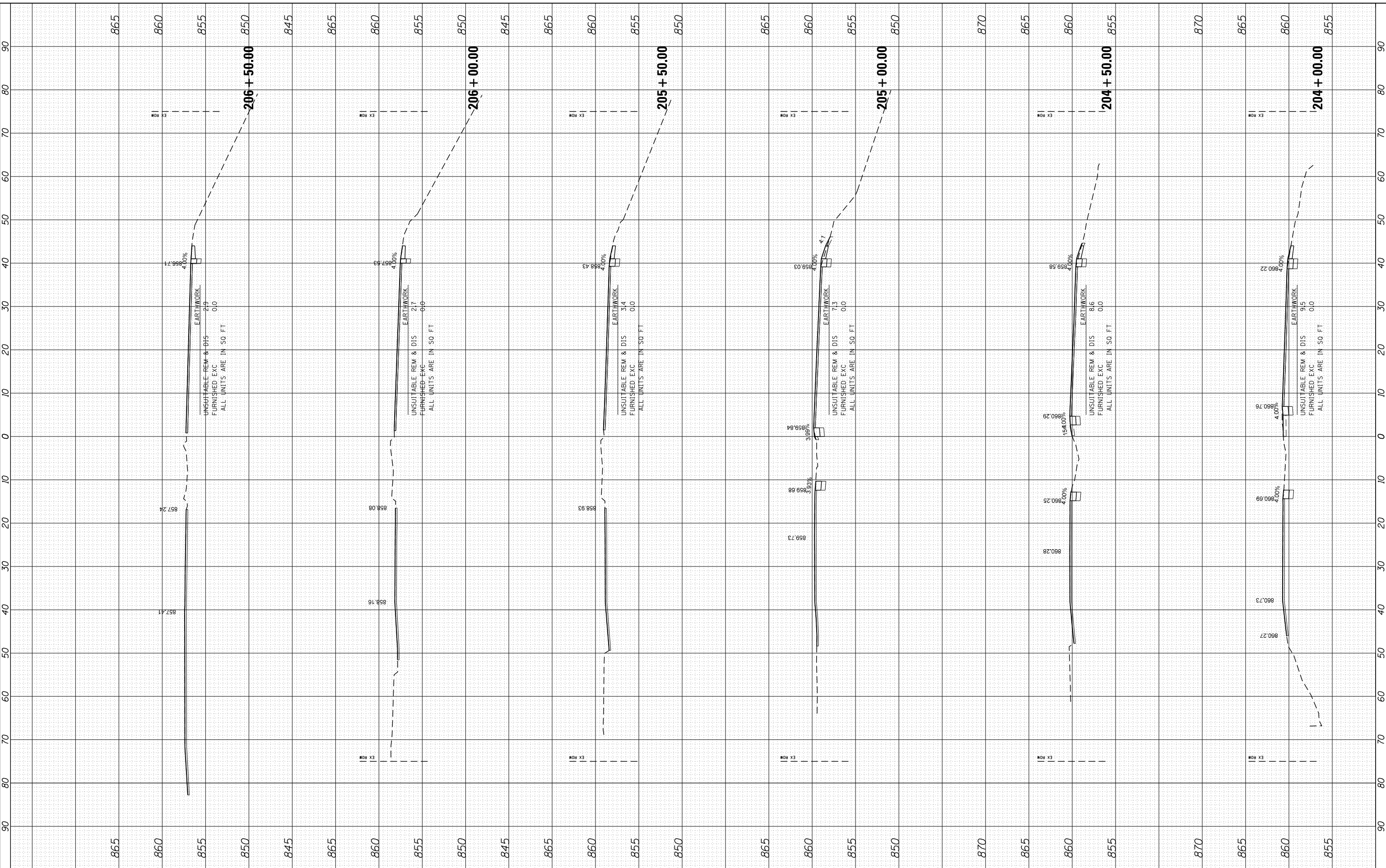
SCALE: 10H:5V SHEET NO. 24 OF 47 SHEETS STA. 201+00.00 TO STA. 203+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	81
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 5/23/2014 11:39:50 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-US12.dgn
 PEN TABLE: standard-trans.tbl



DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	5/23/14	REVISED	-

USER NAME = dstencz
 86100196.10-SHT-xsc-US12.dgn
 PLOT SCALE = 10H:5V
 PLOT DATE = 5/23/2014

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

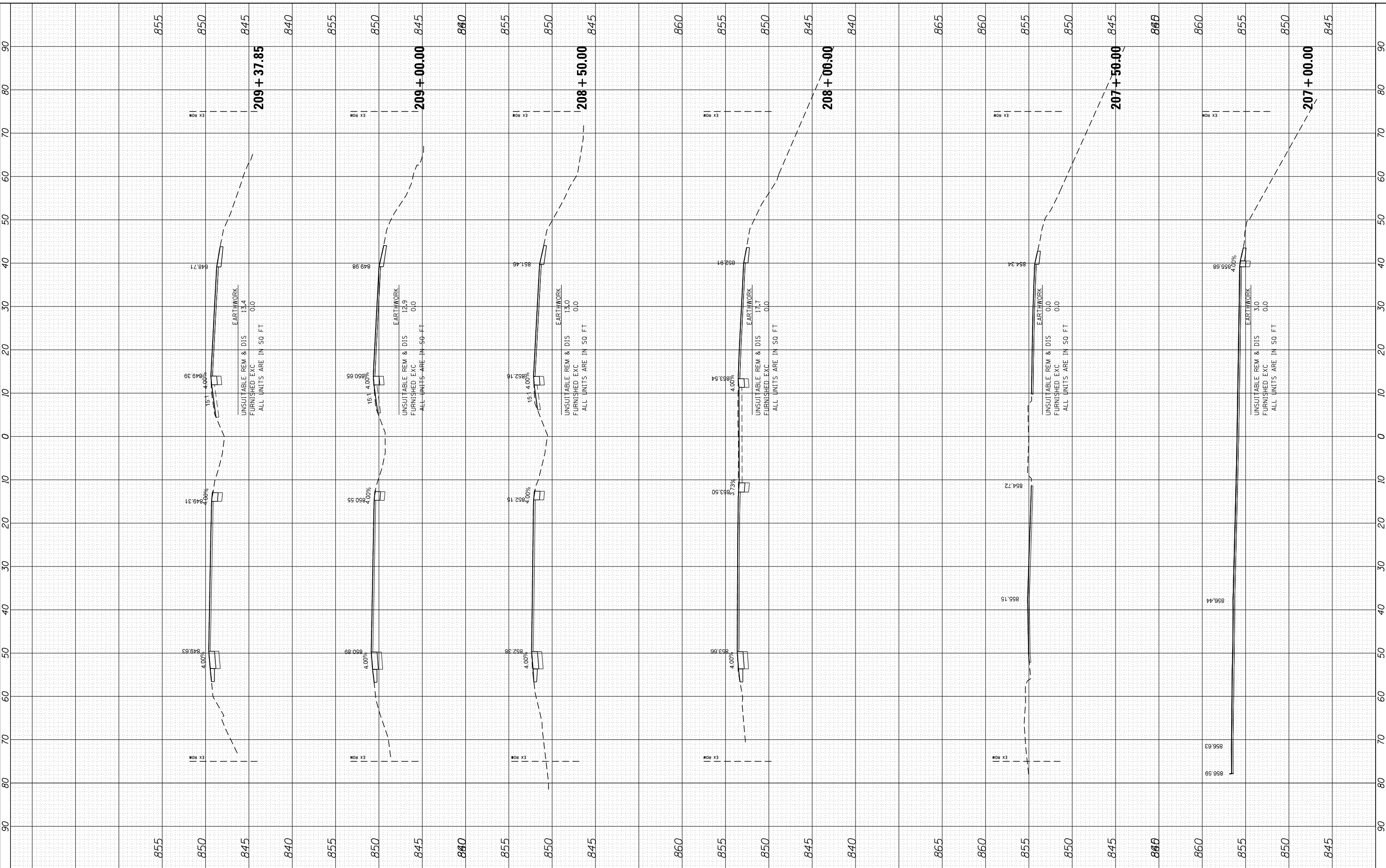
SCALE: 10H:5V SHEET NO. 25 OF 47 SHEETS STA. 204+00.00 TO STA. 206+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	82
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:52 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



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CHECKED	-
DATE	5/23/14

USER NAME	= dstencz
FILE NAME	86100196.10-SHT-xsc-US12.dgn
PLOT SCALE	= 10H:5V
PLOT DATE	= 5/23/2014

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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

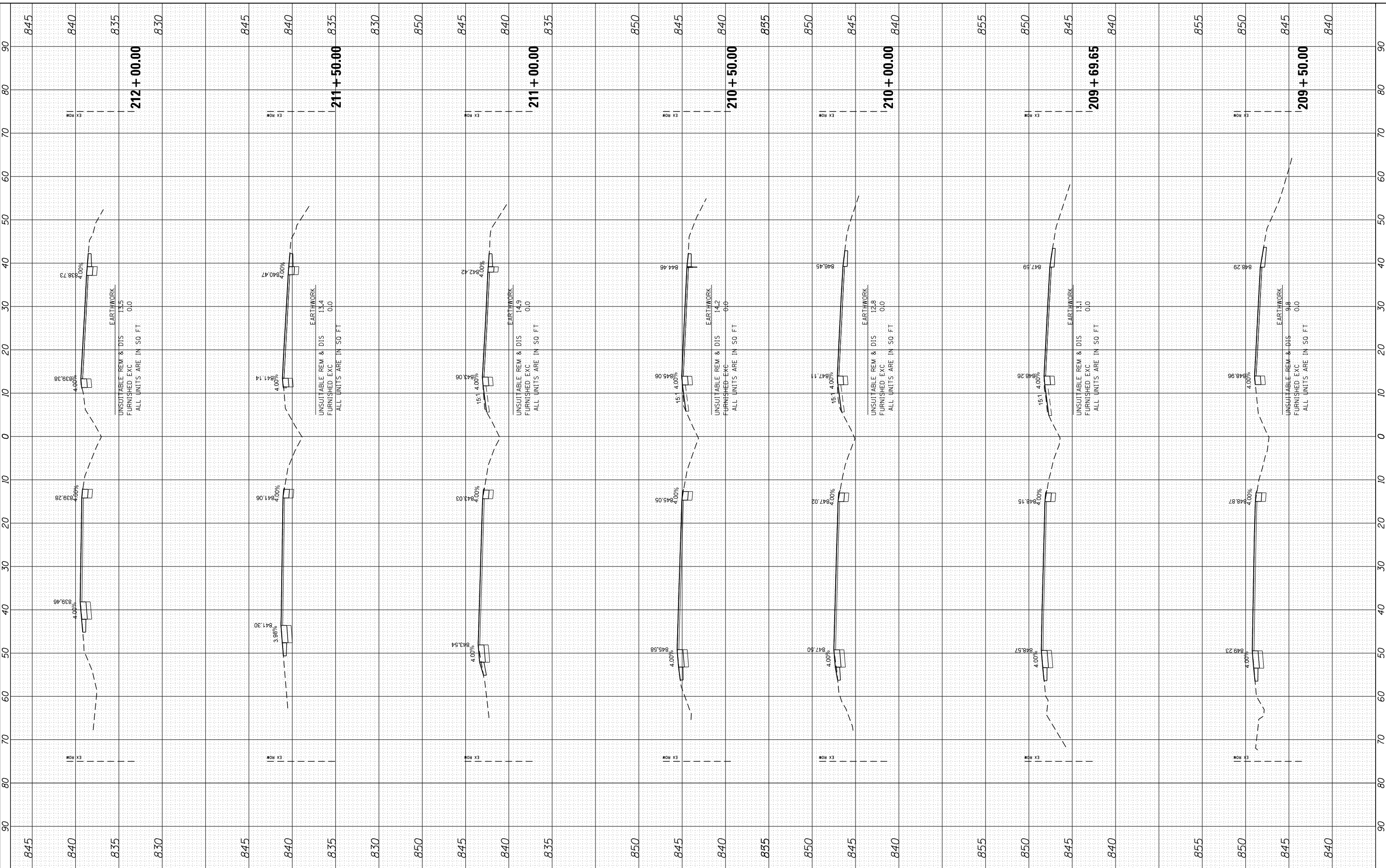
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 26 OF 47 SHEETS STA. 207+00.00 TO STA. 209+37.85

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	83
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:53 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: Standard-Trans.tbl
 PEN TABLE:



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PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

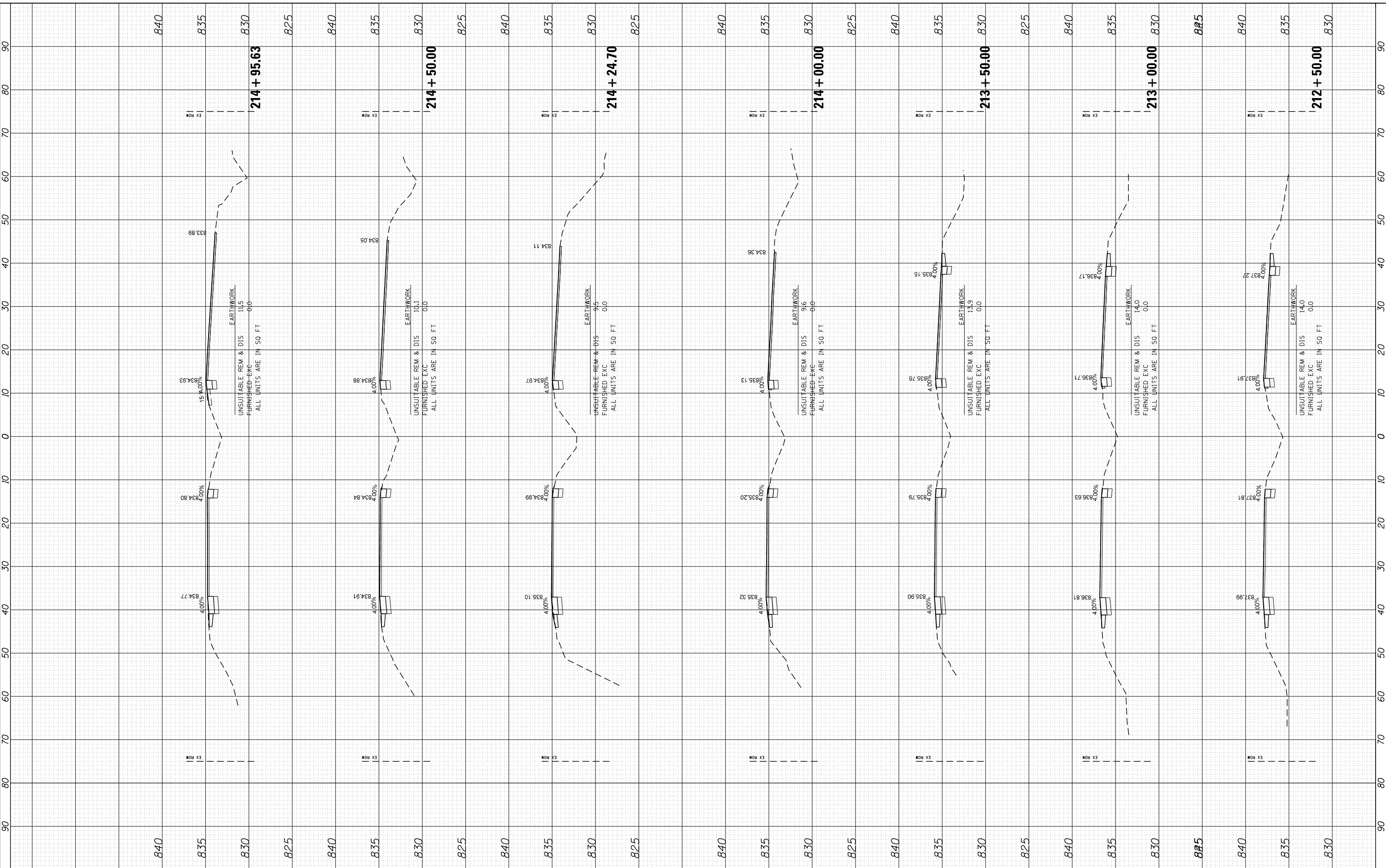
CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 27 OF 47 SHEETS STA. 209+50.00 TO STA. 212+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	84
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26		

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 8610019610-SHT-xsc-US12.dgn
 CLIENT: 5/23/2014 11:39:55 AM
 DATE PLOTTED: 8610019610-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-tpcns.tbl
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

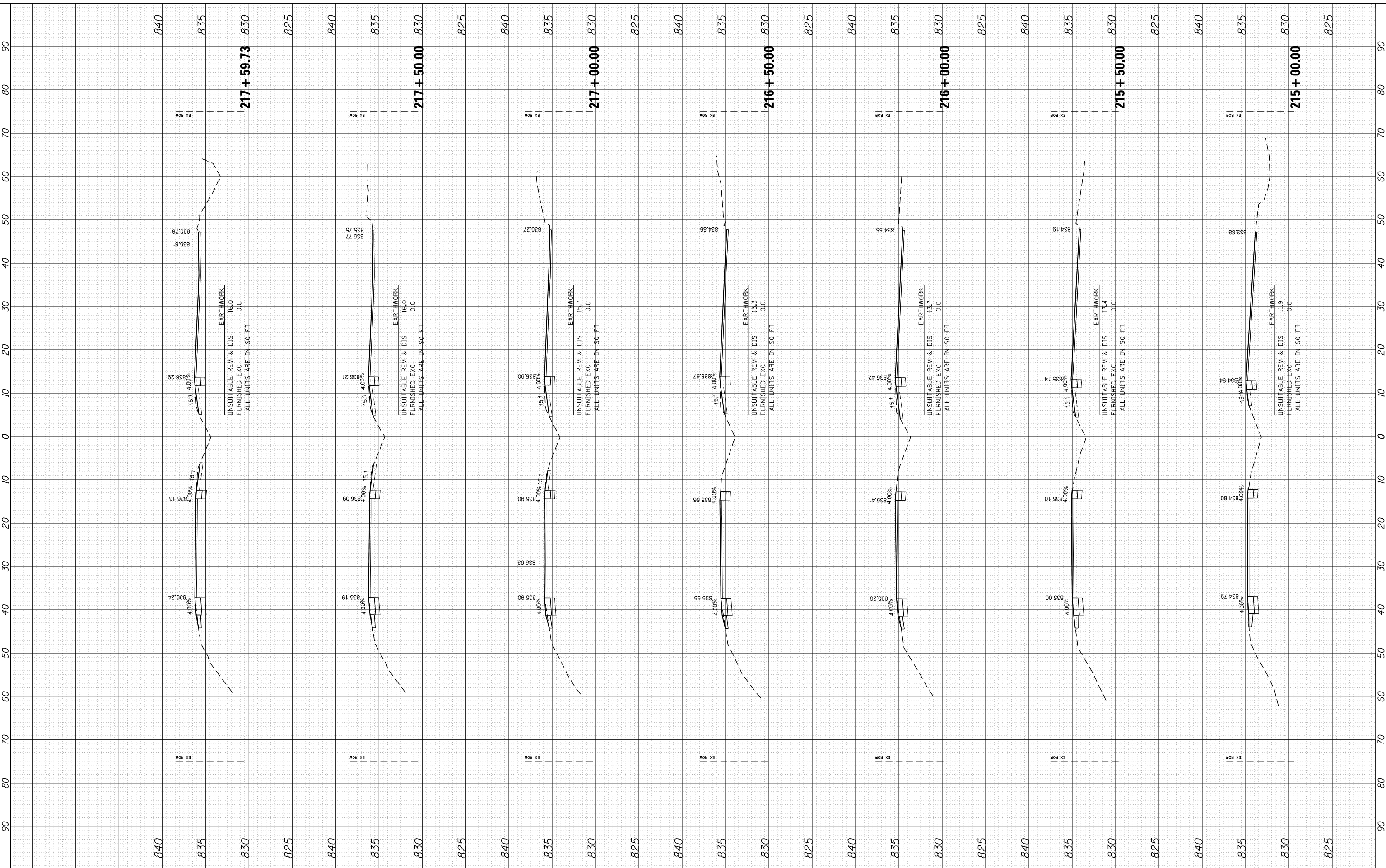
SCALE: 10H:5V SHEET NO. 28 OF 47 SHEETS STA. 212+50.00 TO STA. 214+95.63

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	85
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26		

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

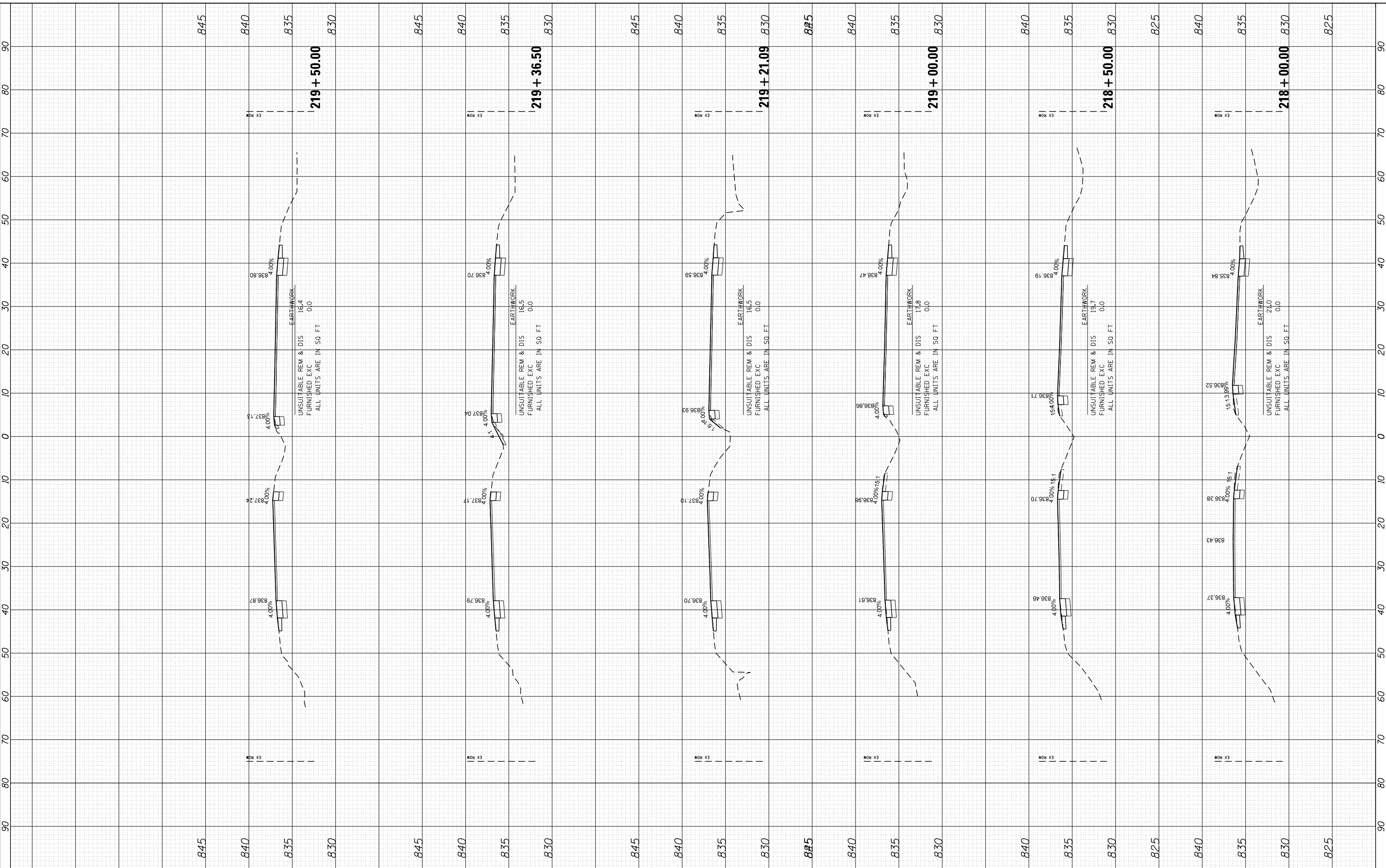
SCALE: 10H:5V SHEET NO. 29 OF 47 SHEETS STA. 215+00.00 TO STA. 217+59.73

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	86
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		
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COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:39:58 AM
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

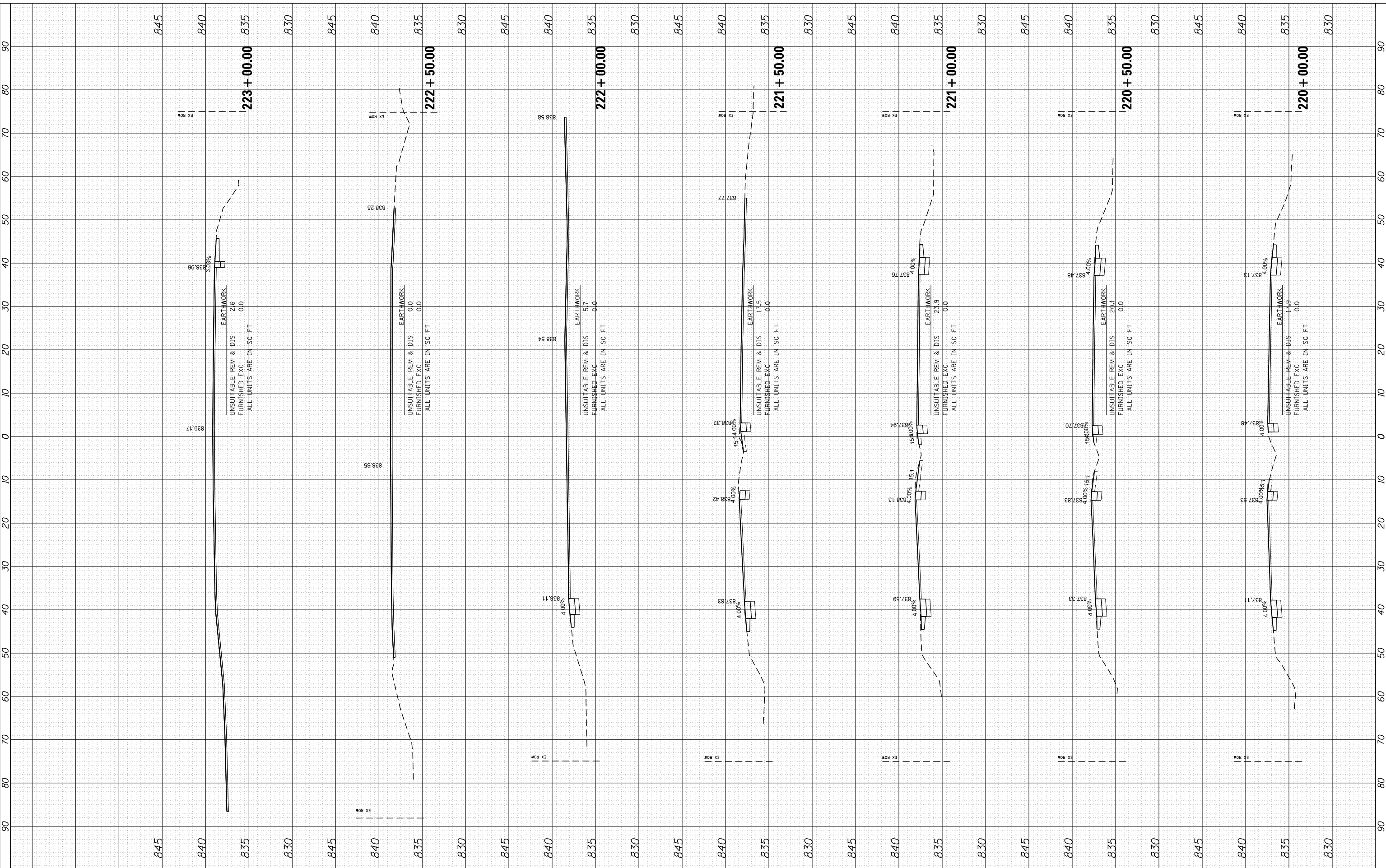
SCALE: 10H:5V SHEET NO. 30 OF 47 SHEETS STA. 218+00.00 TO STA. 219+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	87
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 86100196.10-SHT-xsc-US12.dgn
 DATE PLOTTED: 5/23/2014 11:40:00 AM
 PLOT DRIVER: standard-trans.tbl



USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

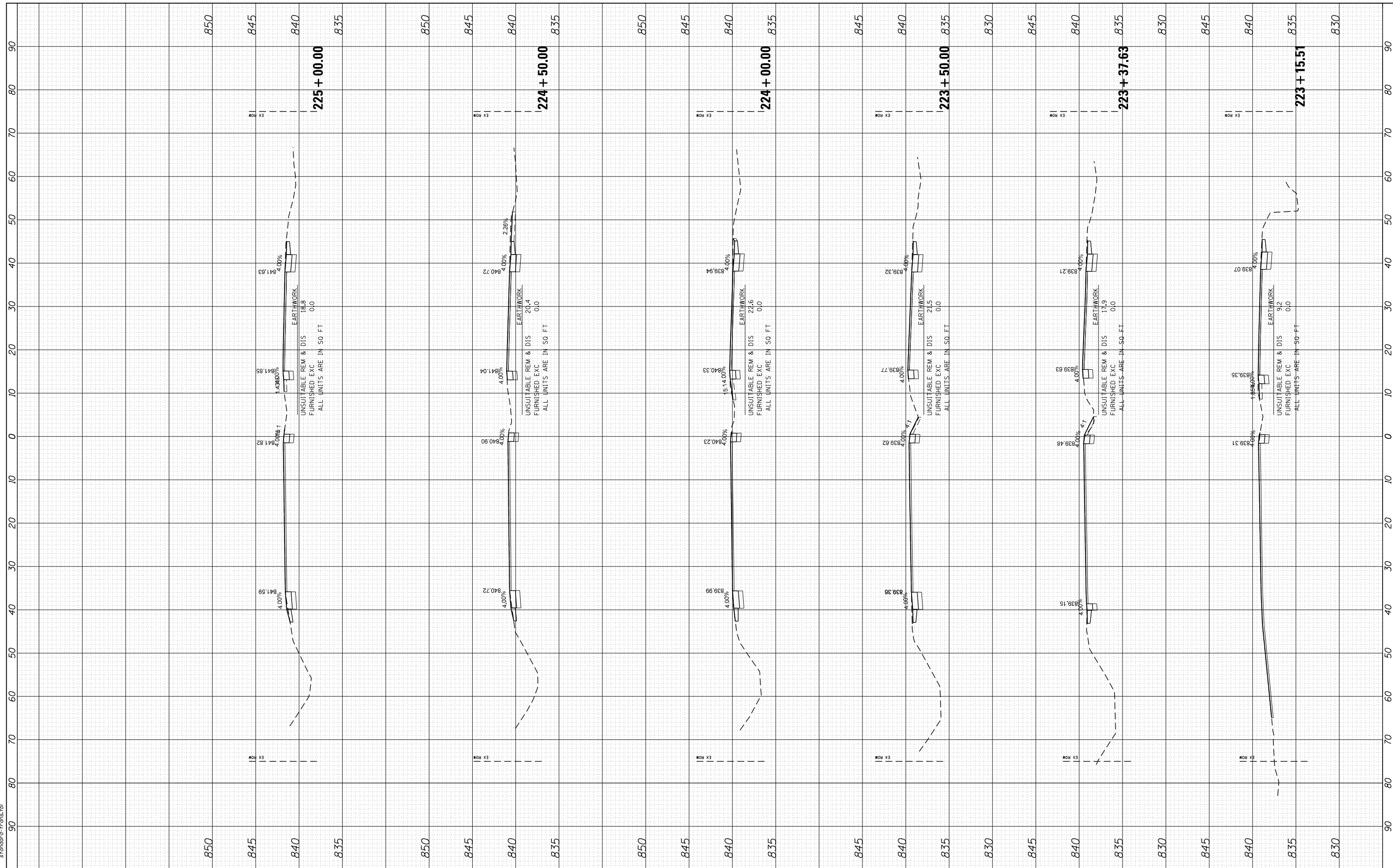
SCALE: 10H:5V SHEET NO. 31 OF 47 SHEETS STA. 220+00.00 TO STA. 223+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	88
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: H3 HRGreen
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:40:02 AM
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 PLOT DRIVER: standard-trans.tbl
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

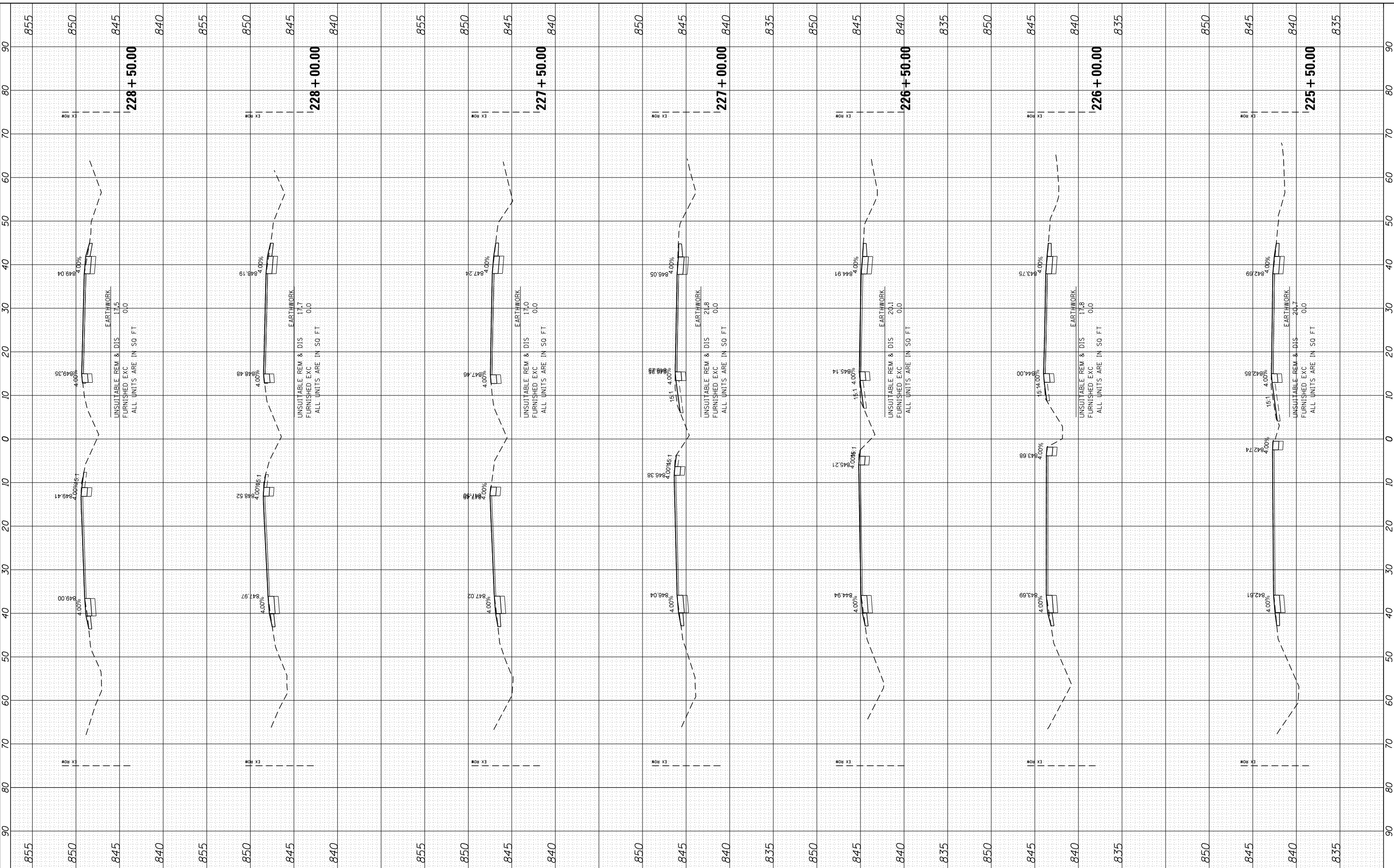
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 32 OF 47 SHEETS STA. 223+15.51 TO STA. 225+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	89
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26		

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:40:03 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
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USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

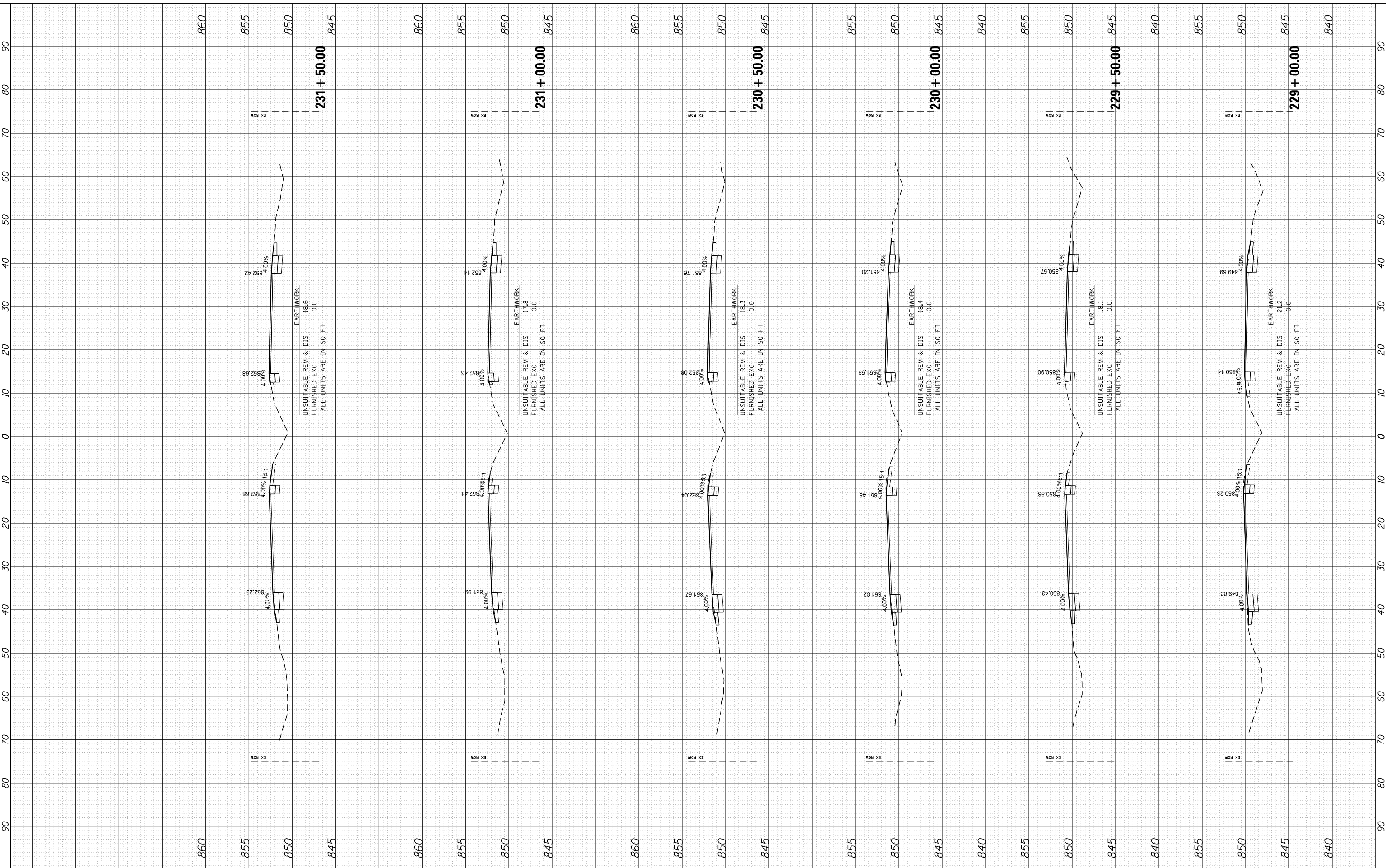
SCALE: 10H:5V SHEET NO. 33 OF 47 SHEETS STA. 225+50.00 TO STA. 228+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	90
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 86100196.10-SHT-xsc-US12.dgn
 CLIENT: 5/23/2014 11:40:05 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



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

USER NAME = dstencz	DESIGNED -	REVISED -
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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

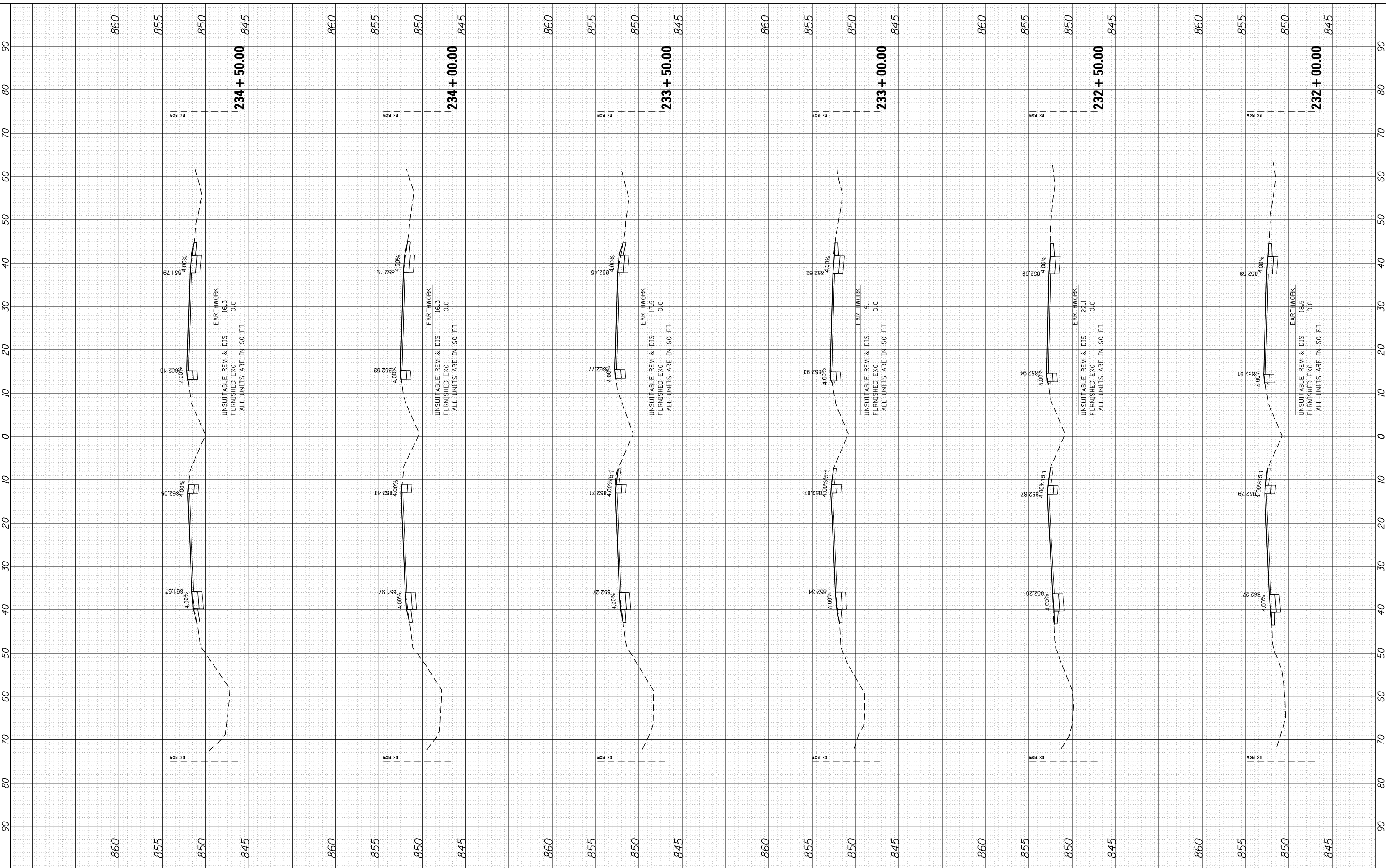
SCALE: 10H:5V SHEET NO. 34 OF 47 SHEETS STA. 229+00.00 TO STA. 231+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	91
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26		

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
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 5/23/2014 11:46:07 AM
 PLOT DRIVER: 86100196.10-SHT-xsc-US12.dgn
 PEN TABLE: standard-trans.tbl



DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	5/23/14	REVISED	-

USER NAME	= dstencz
FILE NAME	86100196.10-SHT-xsc-US12.dgn
PLOT SCALE	= 10H:5V
PLOT DATE	= 5/23/2014

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

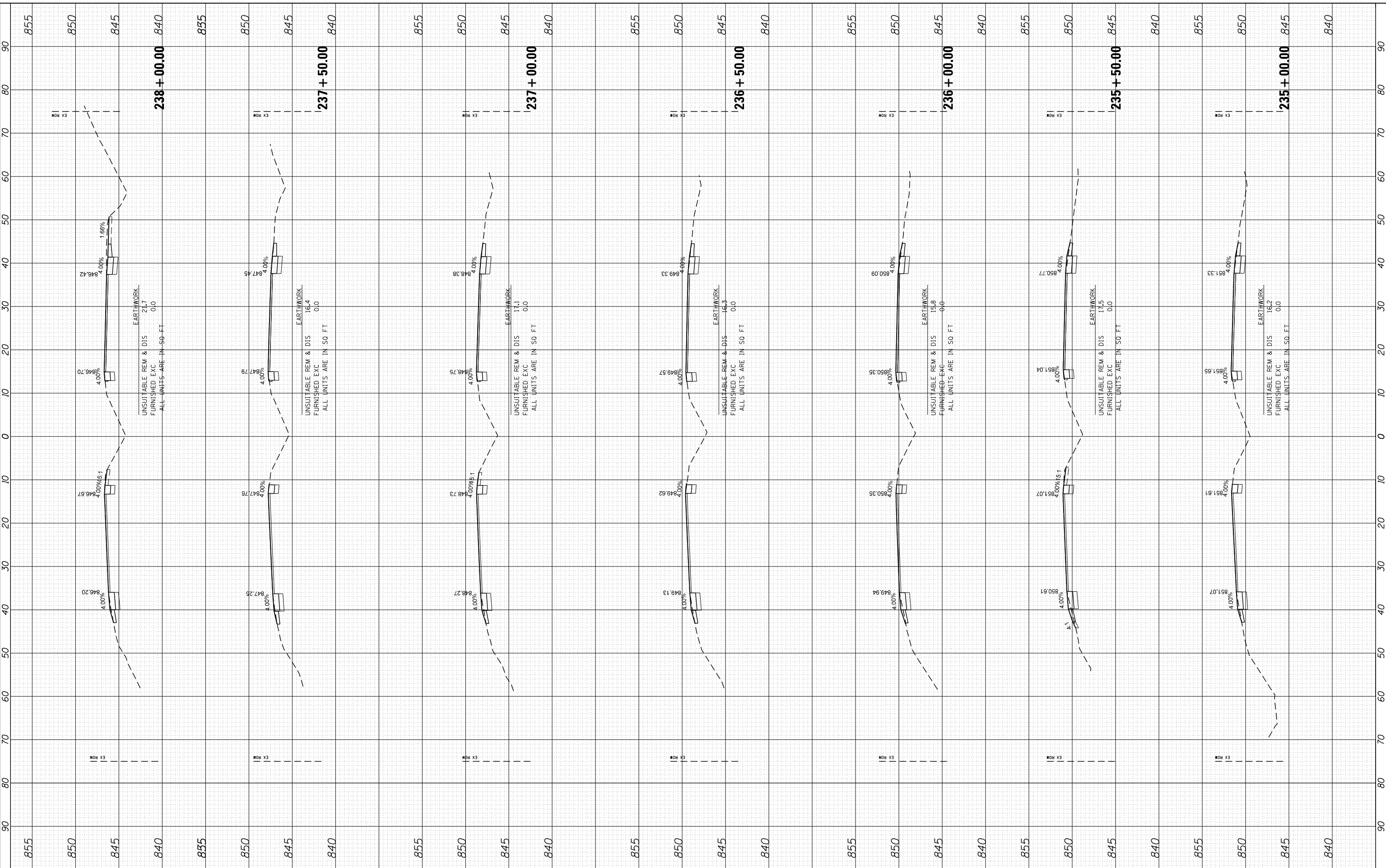
SCALE: 10H:5V SHEET NO. 35 OF 47 SHEETS STA. 232+00.00 TO STA. 234+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	92
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26		

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

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

COMPANY NAME: PROJECT CONTACT:
 CLIENT: 5/23/2014 11:46:09 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



DESIGNED	-	REVIS	-
DRAWN	-	REVIS	-
CHECKED	-	REVIS	-
DATE	5/23/14	REVIS	-

USER NAME	= dstencz
FILE NAME	86100196.10-SHT-xsc-US12.dgn
PLOT SCALE	= 10H:5V
PLOT DATE	= 5/23/2014

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

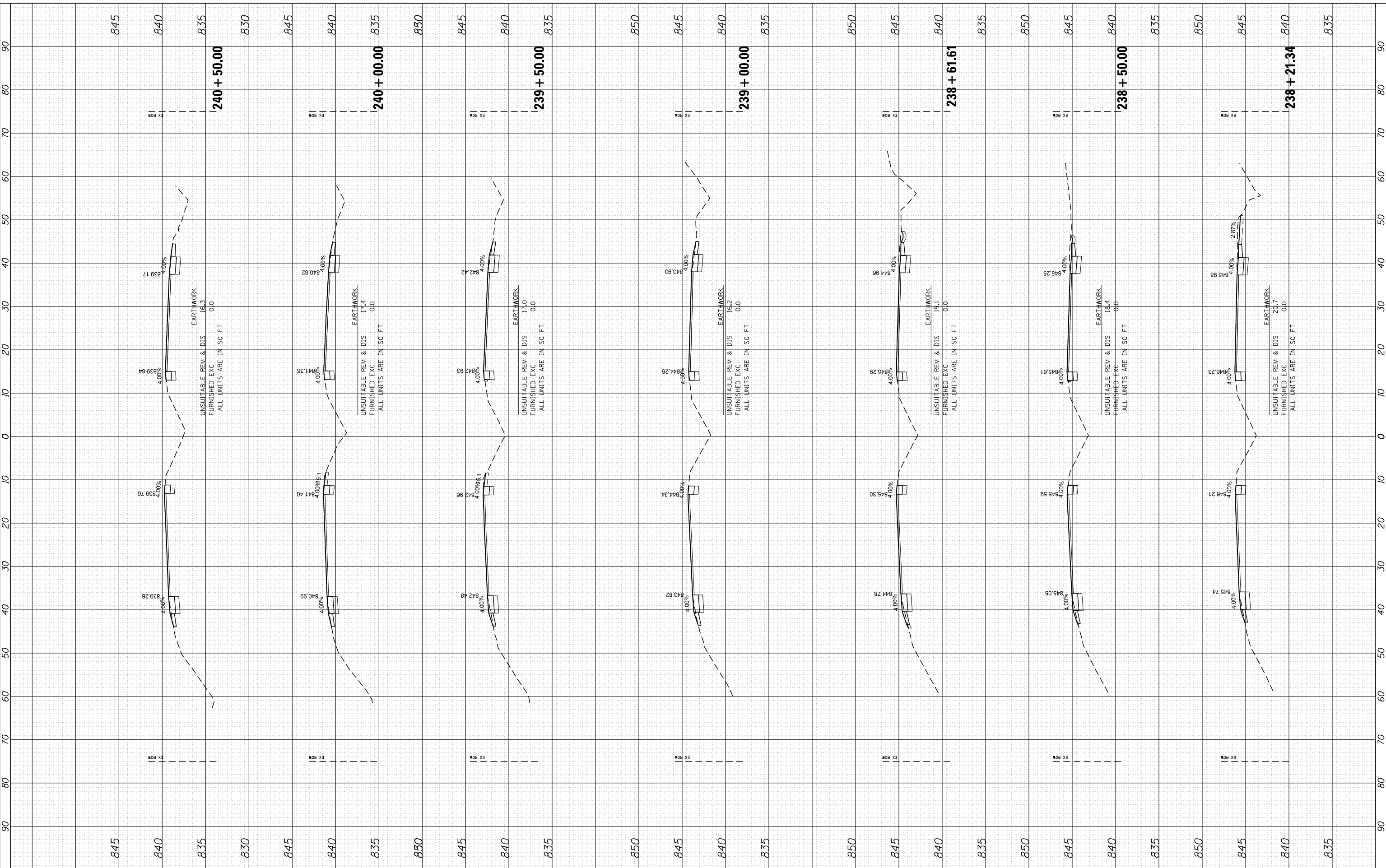
**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 10H:5V SHEET NO. 36 OF 47 SHEETS STA. 235+00.00 TO STA. 238+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	93
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: 5/23/2014 11:46:11 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME	= dstencz
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	5/23/14

REVISIONS	NO.	DESCRIPTION
REVISIONS	NO.	DESCRIPTION
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REVISIONS	NO.	DESCRIPTION
REVISIONS	NO.	DESCRIPTION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

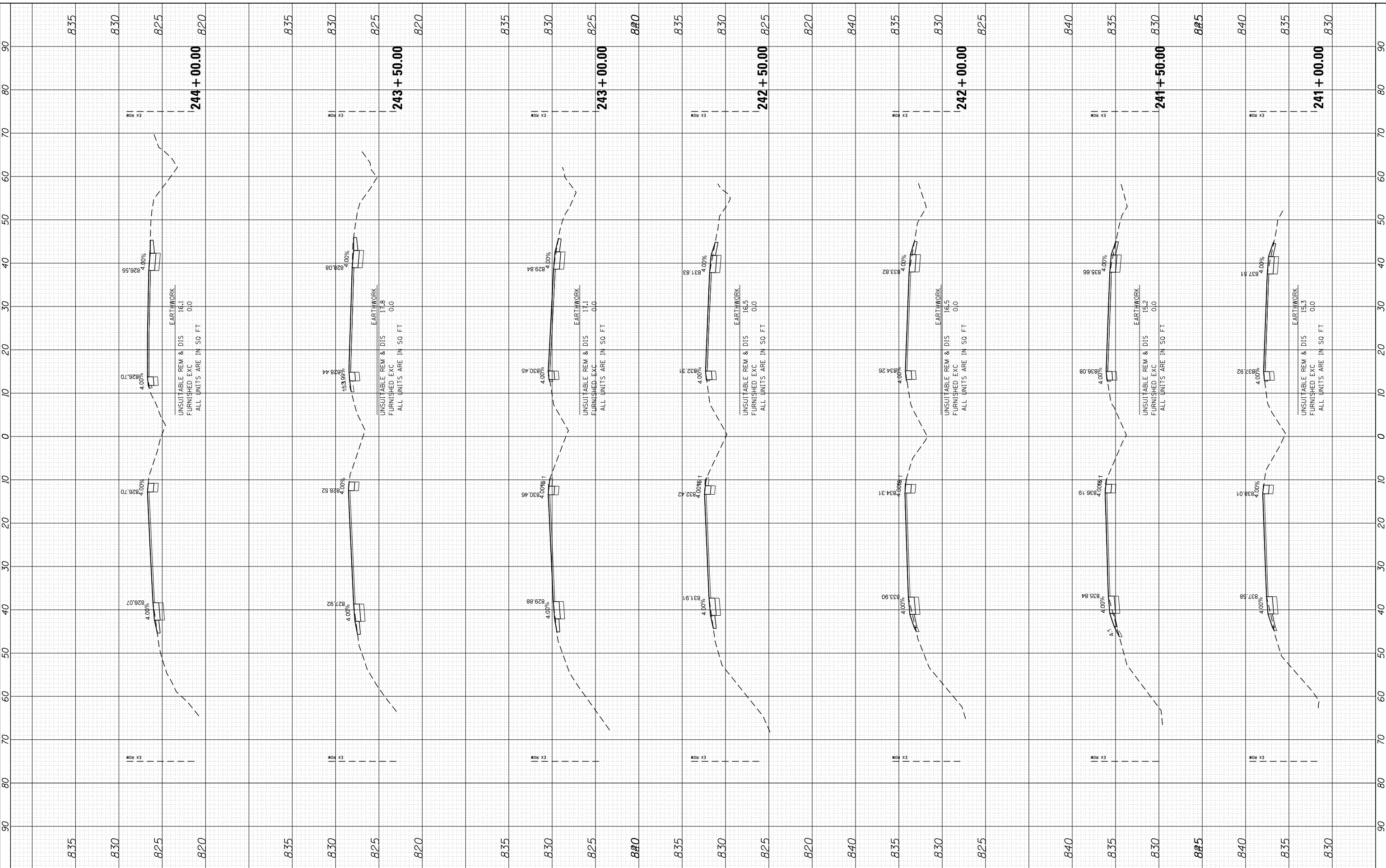
**CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 10H:5V SHEET NO. 37 OF 47 SHEETS STA. 238+21.34 TO STA. 240+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	94
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 86100196.10-SHT-xsc-US12.dgn
 DATE PLOTTED: 5/23/2014 11:46:12 AM
 PLOT DRIVER: standard-props.tbl
 PEN TABLE:



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

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

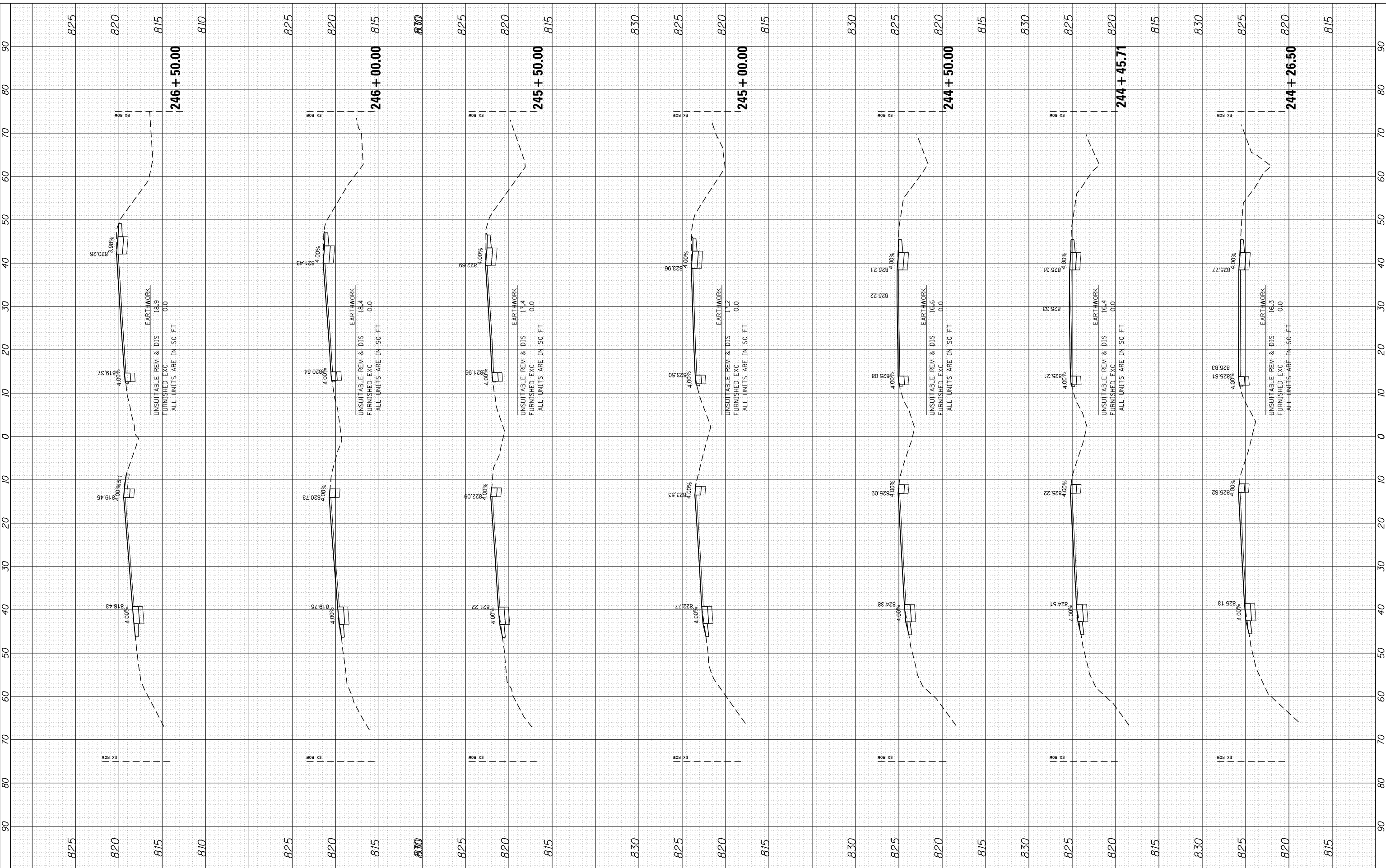
SCALE: 10H:5V SHEET NO. 38 OF 47 SHEETS STA. 241+00.00 TO STA. 244+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	95
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 5/23/2014 11:40:14 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



HRGreen
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

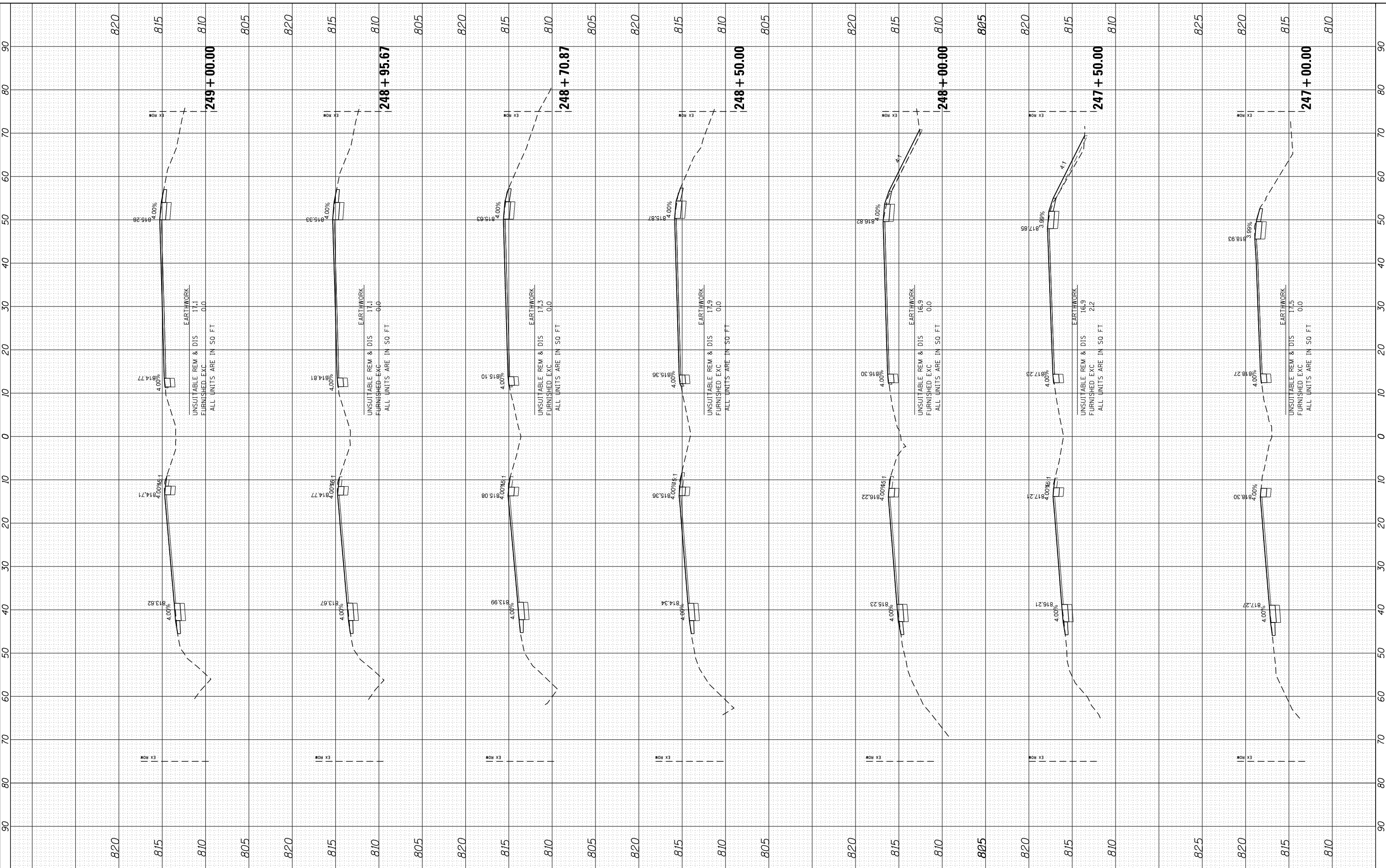
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 39 OF 47 SHEETS STA. 244+26.50 TO STA. 246+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	96
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	60N26

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 5/23/2014 11:40:16 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

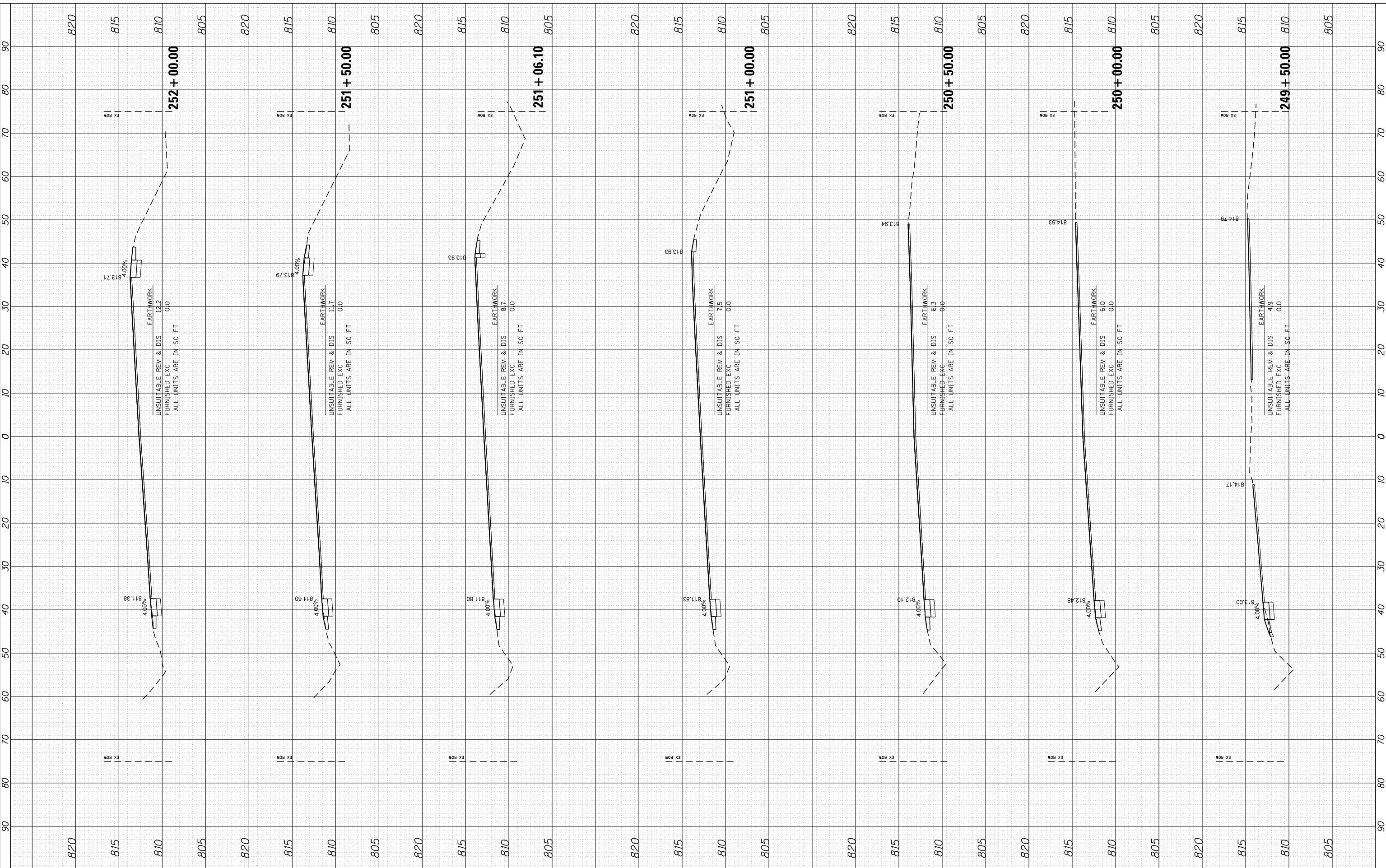
SCALE: 10H:5V SHEET NO. 40 OF 47 SHEETS STA. 247+00.00 TO STA. 249+00.00

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	97
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: 86100196.10-SHT-xsc-US12.dgn
 CLIENT: 5/23/2014 11:46:17 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

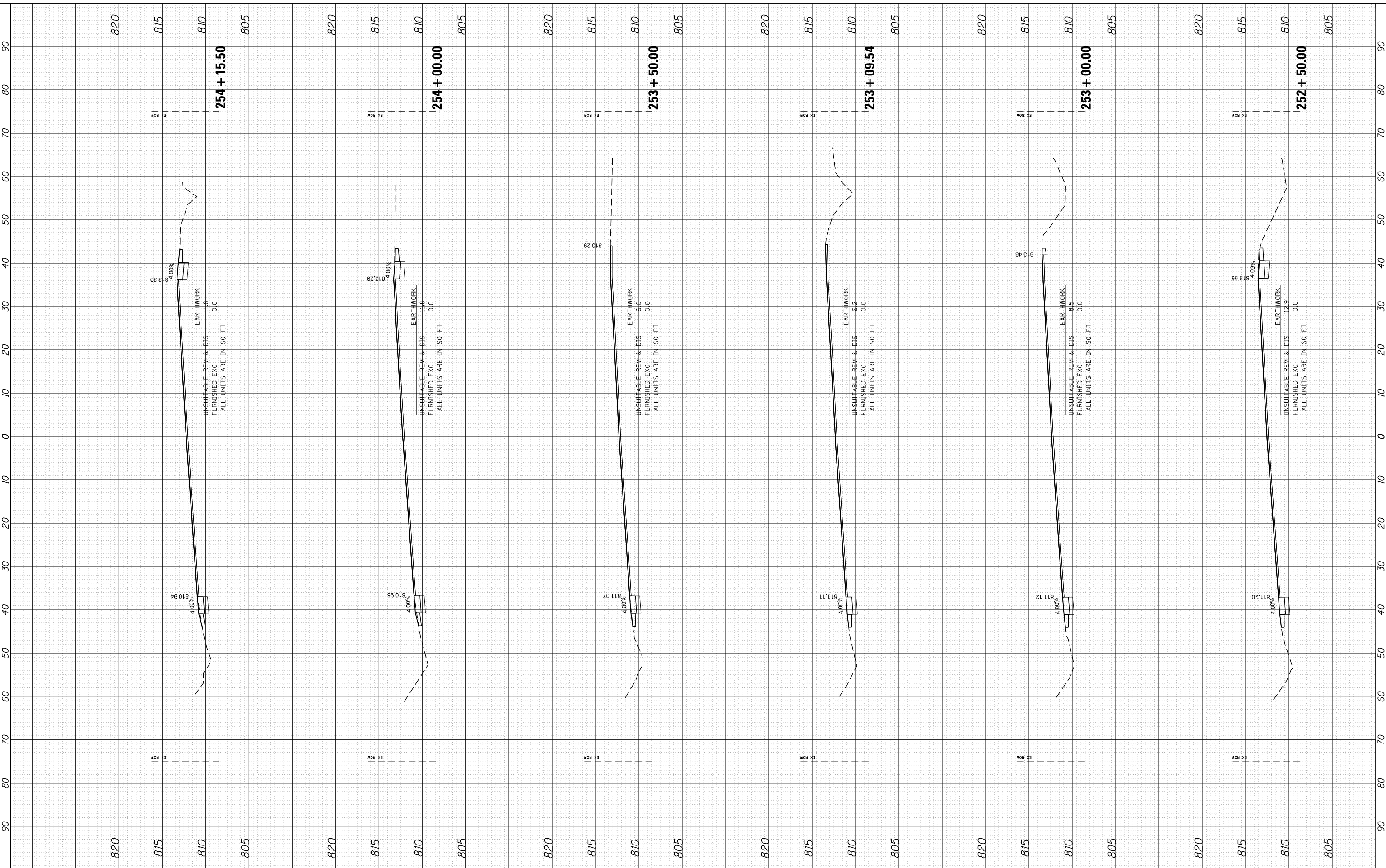
CROSS SECTIONS US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	
SCALE: 10H:5V	SHEET NO. 41 OF 47 SHEETS
STA. 249+50.00 TO STA. 252+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	98
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26		

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

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 5/23/2014 11:40:19 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



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PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

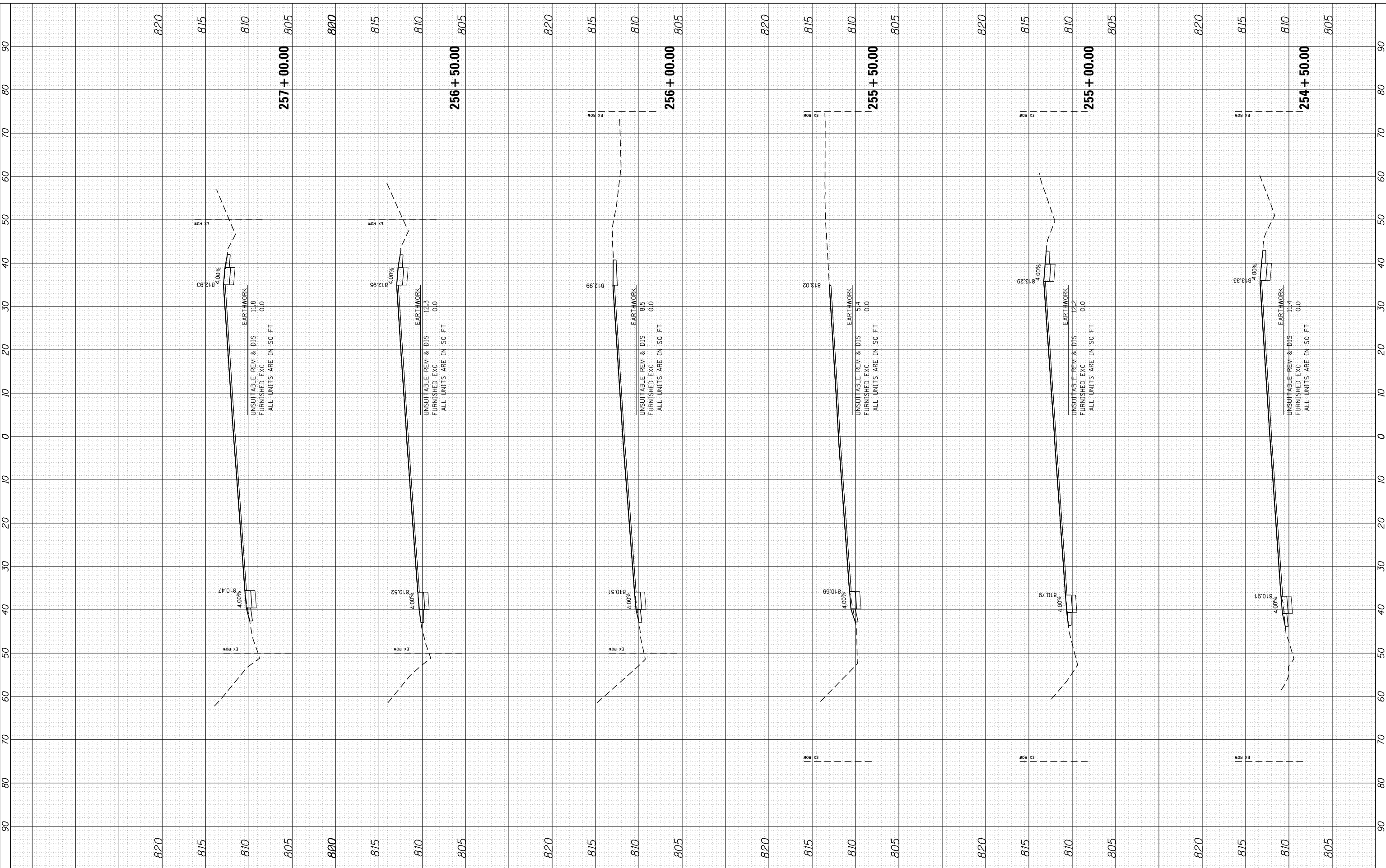
CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)
 SCALE: 10H:5V SHEET NO. 42 OF 47 SHEETS STA. 252+50.00 TO STA. 254+15.50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	99
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 5/23/2014 11:40:21 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
PLOT SCALE = 10H:5V	CHECKED -	REVISED -
PLOT DATE = 5/23/2014	DATE = 5/23/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

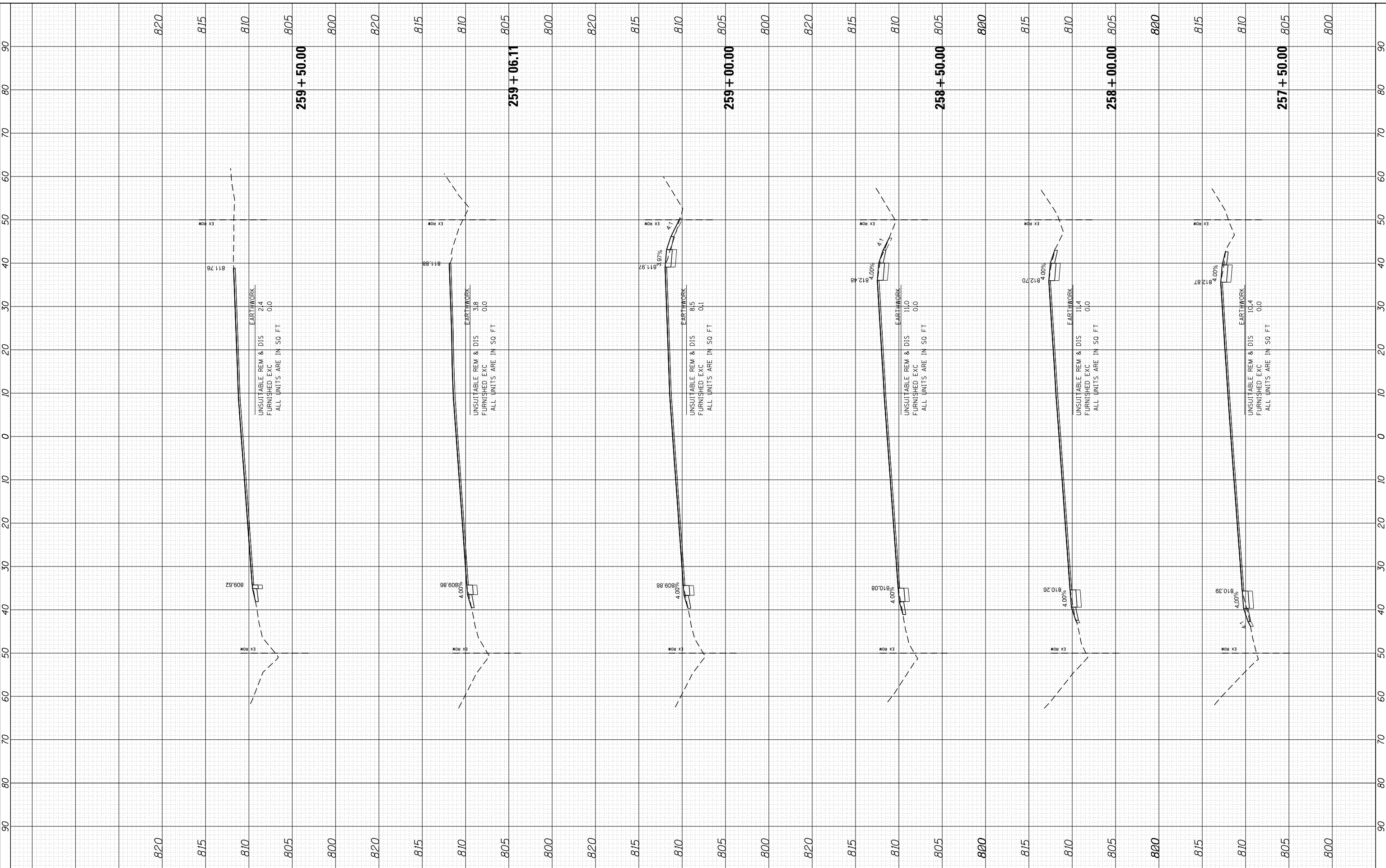
SCALE: 10H:5V SHEET NO. 43 OF 47 SHEETS STA. 254+50.00 TO STA. 257+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	100
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

FINAL 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: 86100196.10-SHT-xsc-US12.dgn
 CLIENT: 5/23/2014 11:40:23 AM
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DATE	5/23/14

USER NAME	= dstencz
FILE NAME	86100196.10-SHT-xsc-US12.dgn
PLOT SCALE	= 10H:5V
PLOT DATE	= 5/23/2014

REVISED	-
REVISED	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)

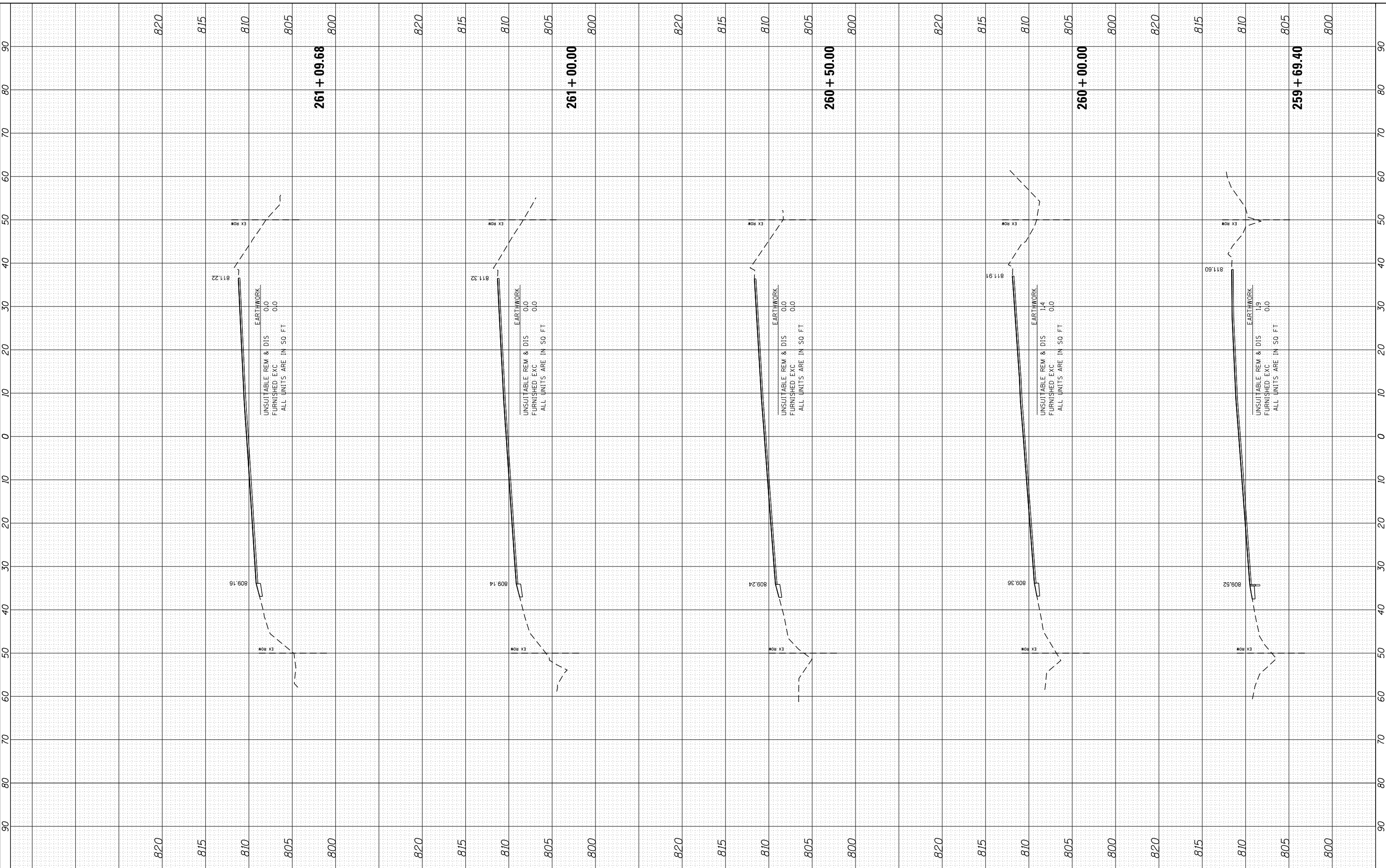
SCALE: 10H:5V SHEET NO. 44 OF 47 SHEETS STA. 257+50.00 TO STA. 259+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	101
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO.	60N26

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

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

COMPANY NAME: HRCGreen.com
 PROJECT CONTACT: 86100196.10-SHT-xsc-US12.dgn
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 PEN TABLE:



DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE - 5/23/14	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

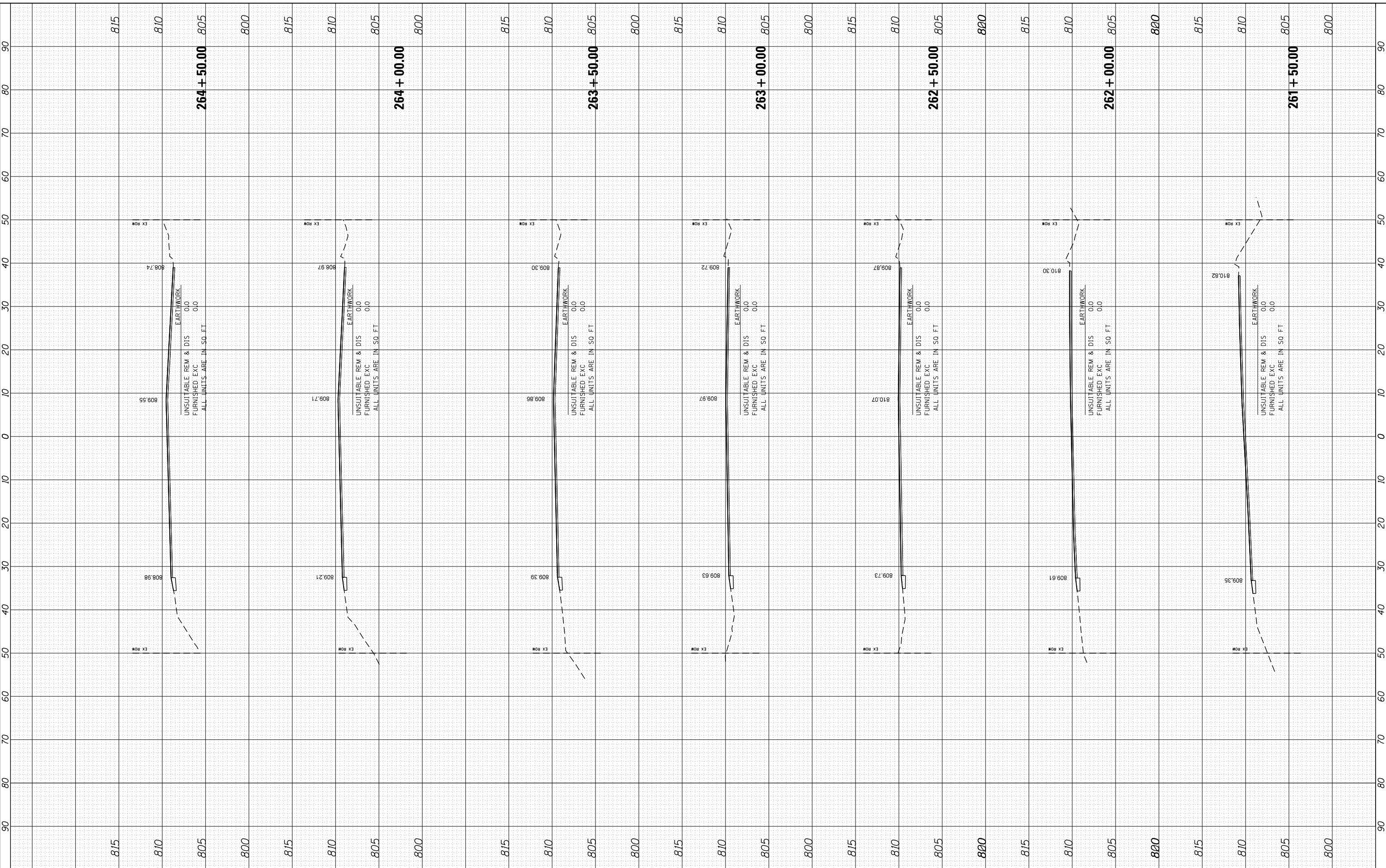
SCALE: 10H:5V SHEET NO. 45 OF 47 SHEETS STA. 259+69.40 TO STA. 261+09.68

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	102
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 5/23/2014 11:40:26 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
 PLOT DRIVER: standard-trans.tbl
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DESIGNED -	REVISD -
DRAWN -	REVISD -
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DATE - 5/23/14	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

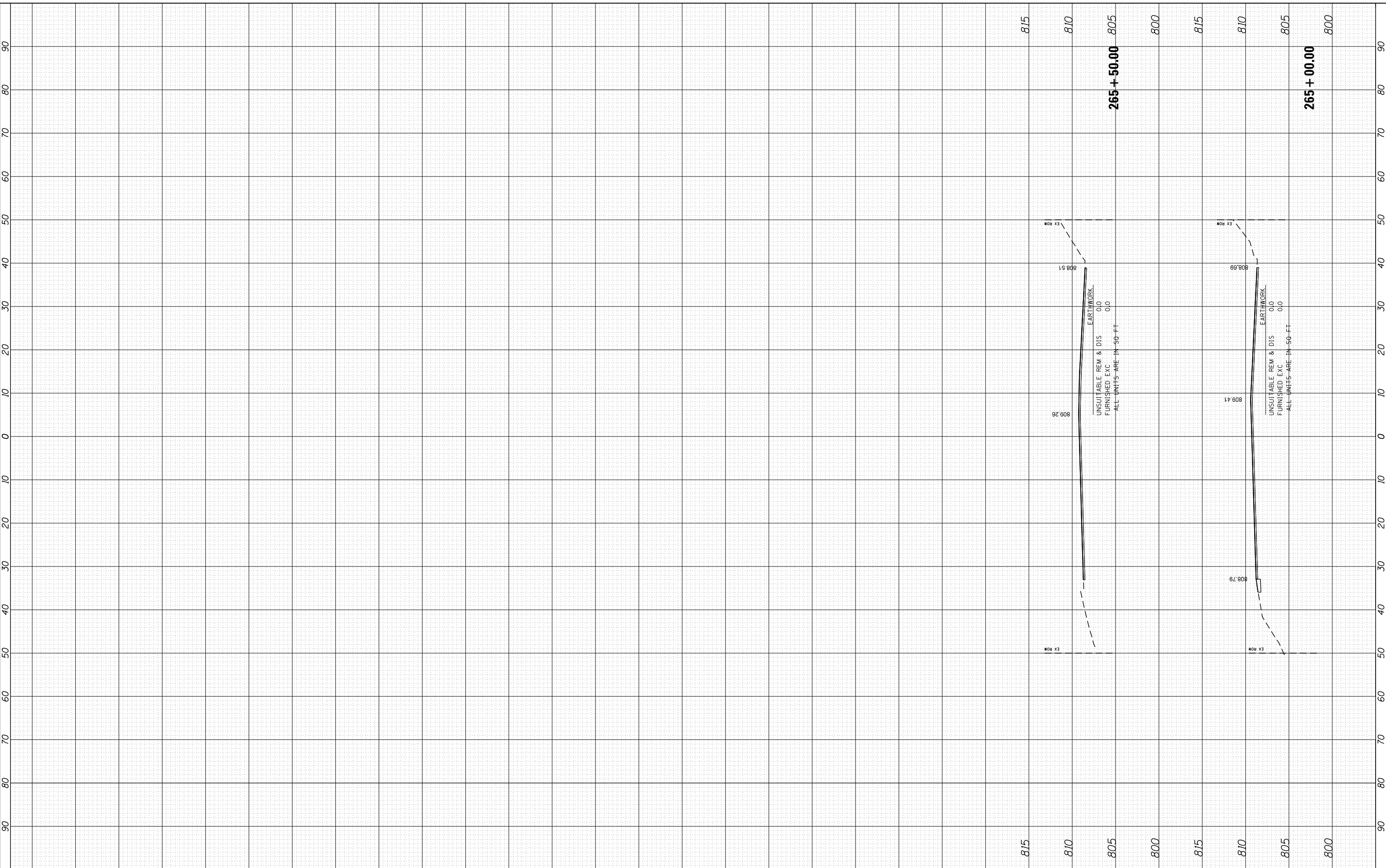
**CROSS SECTIONS
 US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**
 SCALE: 10H:5V SHEET NO. 46 OF 47 SHEETS STA. 261+50.00 TO STA. 264+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 334	SY-3-RS-4	LAKE	104	103
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	60N26	

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 5/23/2014 11:40:28 AM
 DATE PLOTTED: 86100196.10-SHT-xsc-US12.dgn
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USER NAME = dstencz	DESIGNED -	REVISED -
86100196.10-SHT-xsc-US12.dgn	DRAWN -	REVISED -
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PLOT DATE = 5/23/2014	DATE - 5/23/14	REVISED -

STATE OF ILLINOIS	CROSS SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION	US ROUTE 12 (ELA RD. TO LAKE COOK RD.)	• 334	SY-3-RS-4	LAKE	104	104
	SCALE: 10H:5V	SHEET NO. 47 OF 47 SHEETS	STA. 265+00.00 TO STA. 265+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60N26

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