

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	1
		ILLINOIS	CONTRACT NO. 60T50	

03-08-13 LETTING ITEM 124

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 334: US 12/IL 59 (RAND RD)
AT FOX LAKE RD
SECTION: 106N-1
HORIZONTAL REALIGNMENT/RIGHT TURN LANE
PROJECT: ACHSIP-0334(022)
LAKE COUNTY
C-91-367-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

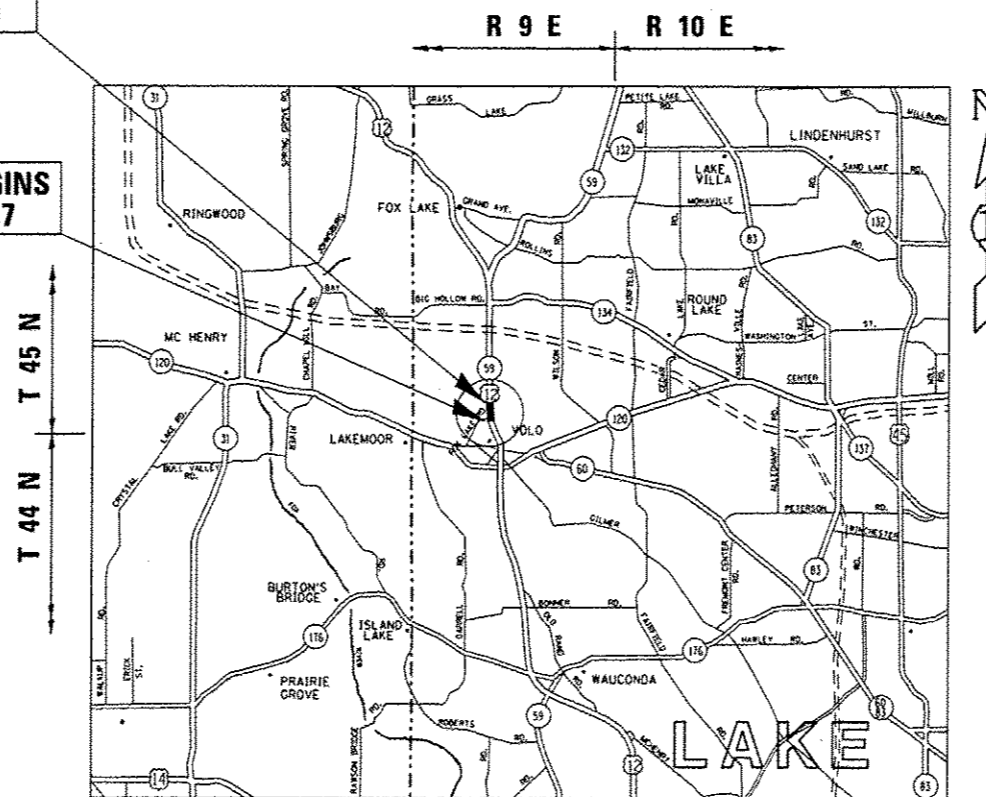
PROJECT IS LOCATED IN THE
VILLAGES OF LAKEMOOR AND VOLO

D-91-367-12



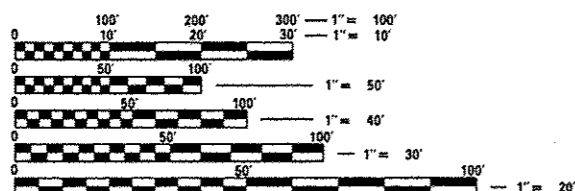
PROJECT ENDS
STA. 512 + 79.1

PROJECT BEGINS
STA. 498 + 47.7



TRAFFIC DATA

US 12 /IL 59 (RAND RD)
2011 ADT = 22200
POSTED SPEED LIMIT = 45 MPH



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

PROJECT ENGINEER BORO, ROBERT (847) 705-4237
PROJECT MANAGER RAYYAN, ISSAM (847) 705-4178

GRANT TOWNSHIP

GROSS LENGTH = 1850.5 FT. = 0.35 MILE

NET LENGTH = 1850.5 FT. = 0.35 MILE

CONTRACT NO. 60T50

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 19, 2012
John Fortman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 7, 2012
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7, 2012
William B. Frey, Jr.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	TYPICAL SECTIONS
8	SCHEDULE OF QUANTITIES
9-10	ALIGNMENT, TIES AND BENCHMARKS
11	ROADWAY PLAN
12-16	SUGGESTED STAGING AND TRAFFIC CONTROL PLANS
17	EROSION AND SEDIMENT CONTROL DETAILS
18	SUE INVESTIGATION OF UNDERGROUND UTILITIES PLAN
19	DRAINAGE AND UTILITIES PLAN
20-21	PLATS OF HIGHWAY
22	PAVEMENT MARKING AND LANDSCAPING PLAN
23	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
24	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
25	BENCHING DETAIL FOR EMBANKMENT WIDENING (BD-51)
26	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
27	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
28	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
29	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
30	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
31	TEMPORARY INFORMATION SIGNING (TC-22)
32	DRIVEWAY ENTRANCE SIGNING (TC-26)
33-39	CROSS SECTIONS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-04	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE)
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
604001-03	FRAME AND LIDS TYPE 1
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630301-06	SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701101-03	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
701421-05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
780001-03	TYPICAL PAVEMENT MARKINGS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF LAKE MOOR AND VOLO.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED ACCORDING TO ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.

THE RESIDENT ENGINEER SHALL CONTACT DEBBIE HANLON AREA TRAFFIC FIELD ENGINEER AT (847) 438-2300 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING, RESURFACING OR OVERLAYING.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.

THE UNDERCUT MATERIAL SHALL BE REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT PLACEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM). ANY SUBGRADE IMPROVEMENT NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT.

GENERAL NOTES (CONT.)

PRIOR TO WORKING IN AREAS APPROVED FOR OFFSITE BORROW, WASTE AND USE AREAS (BWU) BY THE BDE 2290 PROCEDURES, THE CONTRACTOR WILL NEED TO SUBMIT A BWU SITE WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON THE BWU WORK TECHNIQUES CAN BE FOUND IN SECTION II.5.A AND B. OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT A BWU SITE WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FILE NAME *	USER NAME * midjo	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US12/L 59 AT FOX LAKE RD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pwork\pvidot\midjo\2012364\PI169003\shh-gemmo.dgn		DRAWN -	REVISED -					INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES				334	106N-1	LAKE	39	2			
PLOT SCALE * 100.0000' / in.		CHECKED -	REVISED -					SCALE:				SHEET NO.	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60T50	
PLOT DATE * 10/19/2012		DATE -	REVISED -					ILLINOIS FED. AID PROJECT											

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FEDERAL 10% STATE 0004				
20101000	TEMPORARY FENCE	FOOT	140	140				
20200100	EARTH EXCAVATION	CU YD	2490	2490				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	130	130				
20400800	FURNISHED EXCAVATION	CU YD	775	775				
20800150	TRENCH BACKFILL	CU YD	11.8	11.8				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2990	2990				
21400100	GRADING AND SHAPING DITCHES	FOOT	1219	1219				
25000210	SEEDING, CLASS 2A	ACRE	2	2				
25000312	SEEDING, CLASS 4A	ACRE	0.1	0.1				
25000314	SEEDING, CLASS 4B	ACRE	0.2	0.2				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	158	158				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	158	158				
25100630	EROSION CONTROL BLANKET	SO YD	7440	7440				
28000305	TEMPORARY DITCH CHECKS	FOOT	60	60				
28000400	PERIMETER EROSION BARRIER	FOOT	803	803				
28000510	INLET FILTERS	EACH	3	3				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FEDERAL 10% STATE 0004				
28100203	STONE RIPRAP, CLASS A2	TON	240	240				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	130	130				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	4190	4190				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	780	780				
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SO YD	2165	2165				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8	8				
40600300	AGGREGATE (PRIME COAT)	TON	40	40				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	9	9				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), [L-4, 75, N50	TON	393	393				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	83	83				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	19	19				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	88	88				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	625	625				
44000100	PAVEMENT REMOVAL	SO YD	561	561				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	6002	6002				

FILE NAME: c:\work\p1010101\p1010101\p1010101.dwg	USER NAME: mdy/ja	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 121L 59 AT FOX LAKE RD SUMMARY OF QUANTITIES		F.A.P. RTE. 334	SECTION 106N-1	COUNTY LAKE	TOTAL SHEETS 39	SHEET NO. 3	
PLOT SCALE: 1/8" = 1'-0"	PLotted DATE: 10/19/2012	DRAWN: -	REVISED: -		SCALE: 1" = 100'	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				
CHECKED: -	DATE: -	REVISED: -	REVISED: -		CONTRACT NO. 60T50							

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FEDERAL 10% STATE 0004					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FEDERAL 10% STATE 0004				
4400200	DRIVEWAY PAVEMENT REMOVAL	SO YD	698	698					60610900	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	46	46				
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SO YD	86	86					* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	632	632				
44004250	PAVED SHOULDER REMOVAL	SO YD	1384	1384					* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1				
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	10	10					* 63100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	1	1				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	45	45					63200310	GUARDRAIL REMOVAL	FOOT	266	266				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	20	20					67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	755	755					67100100	MOBILIZATION	L SUM	1	1				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	1072	1072					70300100	SHORT TERM PAVEMENT MARKING	FOOT	1728	1728				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2					70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	145.6	145.6				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	101	101					70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3530	3530				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2					70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	165	165				
60107600	PIPE UNDERDRAINS 4"	FOOT	470	470					70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1443	1443				
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1					70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	471	471				
60206905	CATCH BASINS, TYPE C, TYPE I FRAME, OPEN LID	EACH	2	2					70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	50	50				
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	48	48					70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	712	712				
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	28	28					* 72000100	SIGN PANEL - TYPE I	SO FT	3.9	3.9				

FILE NAME :	USER NAME : mly/jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 12/L 59 AT FOX LAKE RD SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\p\work\p1004\mly\10-0012364-F16009-41-gm000.dgn		DRAWN -	REVISED -		334	106N-1	LAKE	39	4		
PLOT SCALE : 1000000' / 1"		CHECKED -	REVISED -		SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.		CONTRACT NO. 60150				
PLOT DATE : 10/19/2012		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FEDERAL 10% STATE 0004					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FEDERAL 10% STATE 0004					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	145.6	145.6														
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3530	3530														
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	165	165														
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1443	1443														
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	471	471														
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50	50														
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	44	44														
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	6	6														
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1														
78300100	PAVEMENT MARKING REMOVAL	SO FT	121	121														
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	30	30														
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1														
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	2135	2135														
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1														
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4														
Z0062456	TEMPORARY PAVEMENT	SO YD	630	630														

FILE NAME: c:\dw\work\auto\del\del\101236\PIE0001-11\p001.dgn	USER NAME: mdyjo	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US 12/L 59 AT FOX LAKE RD SUMMARY OF QUANTITIES				F.A.P. RTE. 334	SECTION 106N-1	COUNTY LAKE	TOTAL SHEETS 39	SHEET NO. 5						
PLOT SCALE: 1/4" = 100'-0"	CHECKED -	REVISOR -	SCALE:									SHEET NO. 3 OF 3 SHEETS		STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
PLOT DATE: 10/19/2012	DATE -	REVISOR -																				
												CONTRACT NO. 60T50										

* SPECIALTY ITEMS

EARTHWORK SCHEDULE

EARTHWORK LOCATION	1 EARTH EXCAVATION (CU. YD.)	2 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU. YD.)	3 TOPSOIL EXCAVATION & PLACEMENT (CU. YD.)	4 EMBANKMENT (CU. YD.)	5 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)	6 FURNISHED EXCAVATION (CU. YD.)
US 12/ IL 59						
500+00 - 512+79	2,490	2,115	2,990	2,890	-775	775
TOTAL =	2,490	2,115	2,990	2,890	-775	775

NOTE:

- 1 = QUANTITIES FROM EARTHWORK SPREADSHEET
- 2 = (1) * 0.85
- 3 = ESTIMATED QUANTITIES FROM CROSS-SECTIONS
- 4 = QUANTITIES FROM EARTHWORK SPREADSHEET
- 5 = 2-4
- 6 = FURNISHED EXCAVATION = SHORTAGE (-) 5

NOTE:

A THICKNESS OF 12 INCHES OF TOPSOIL STRIPPING SHALL BE USED FOR TOPSOIL EXCAVATION AND PLACEMENT.

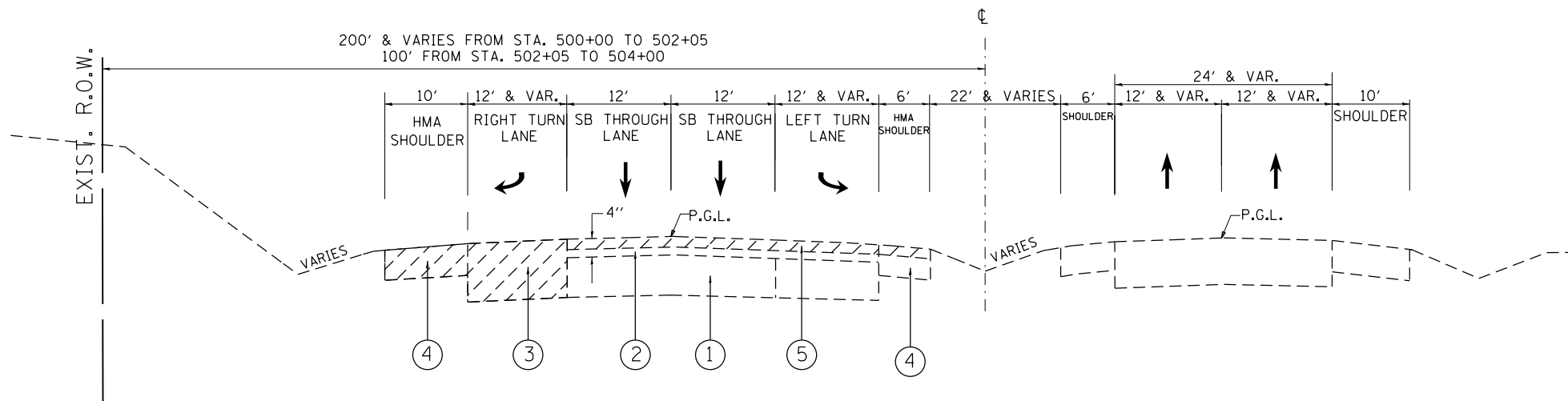
DRAINAGE STRUCTURES TABLE

NO.	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME	TOP OF GRATE	INVERT (N)	INVERT (S)	INVERT (W)
			CB	INL						
1	500+78	54.9' LT	TYP. C		4'	TY. 1 OL	786.11	785.23		
2	501+01	55.9' LT	TYP. A		4'	TY. 1 OL	786.21	785.13	784.63	
3	503+50	51.4' LT	TYP. C		4'	TY. 1 OL	787.20			783.42

STORM SEWER TABLE

NO.	TYPE	DIA.	LIN. FT.	TB	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
1	PROP. STORM SEWER, CLASS A	2	12"	20	3.8	785.13	785.23	
2	PROP. STORM SEWER, CLASS A	2	12"	42	4.7		784.63	784.42
3	PROP. STORM SEWER, CLASS A	2	12"	39	3.3		783.42	783.23

U.S. 12/ IL 59 (RAND RD.)



EXISTING TYPICAL SECTION
U.S. 12/ IL 59 (RAND RD)
STA 498+48 TO STA 506+00

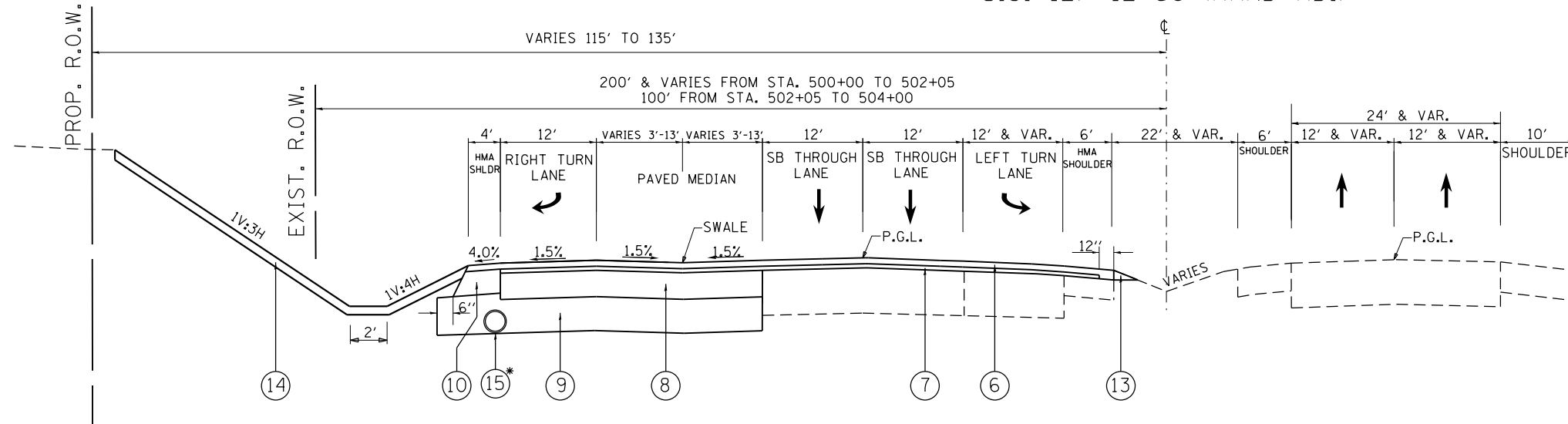
LEGEND

- ① EXISTING P.C.C. PAVEMENT, ± 10"
- ② EXISTING HMA SURFACE AFTER MILLING, 1 1/2"
- ③ EXISTING HMA BASE COURSE WIDENING
- ④ EXISTING HMA SHOULDER
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70, 1 1/2"
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑨ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑪ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 2"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED TOPSOIL, 6"
- ⑮ PROPOSED PIPE UNDERDRAIN, 4"

REMOVAL ITEMS

CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

U.S. 12/ IL 59 (RAND RD.)



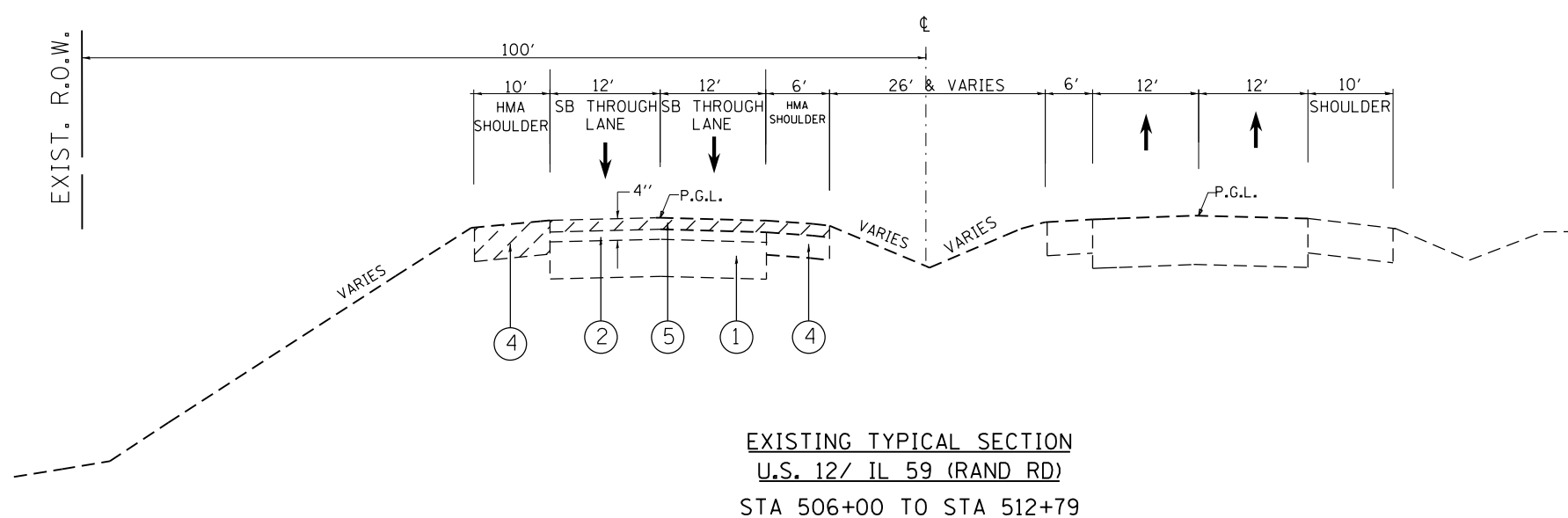
PROPOSED TYPICAL SECTION
U.S. 12/ IL 59 (RAND RD.)
STA 498+48 TO STA 506+00

* PIPE UNDERDRAIN, 4"
 STA 501+00 TO STA 503+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS Ndes
PAVEMENT WIDENING (US 12/ IL 59)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm); 1 1/2"	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MM) IL-4.75, N50, 1"	3.5% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm), 8 1/4" (2 LIFTS)	4% @ 50 GYR.
NEW DRIVEWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm), 8" (2 LIFTS)	4% @ 50 GYR.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm); 1 1/2"	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MM) IL-4.75, N50, 1"	3.5% @ 50 GYR.
SHOULDER WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm); 1 1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDER, (HMA BINDER IL-19 mm), 6 1/2"	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT TEMP PVMT, (HMA BINDER IL-19 mm), 6"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ.YD./IN
 - THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

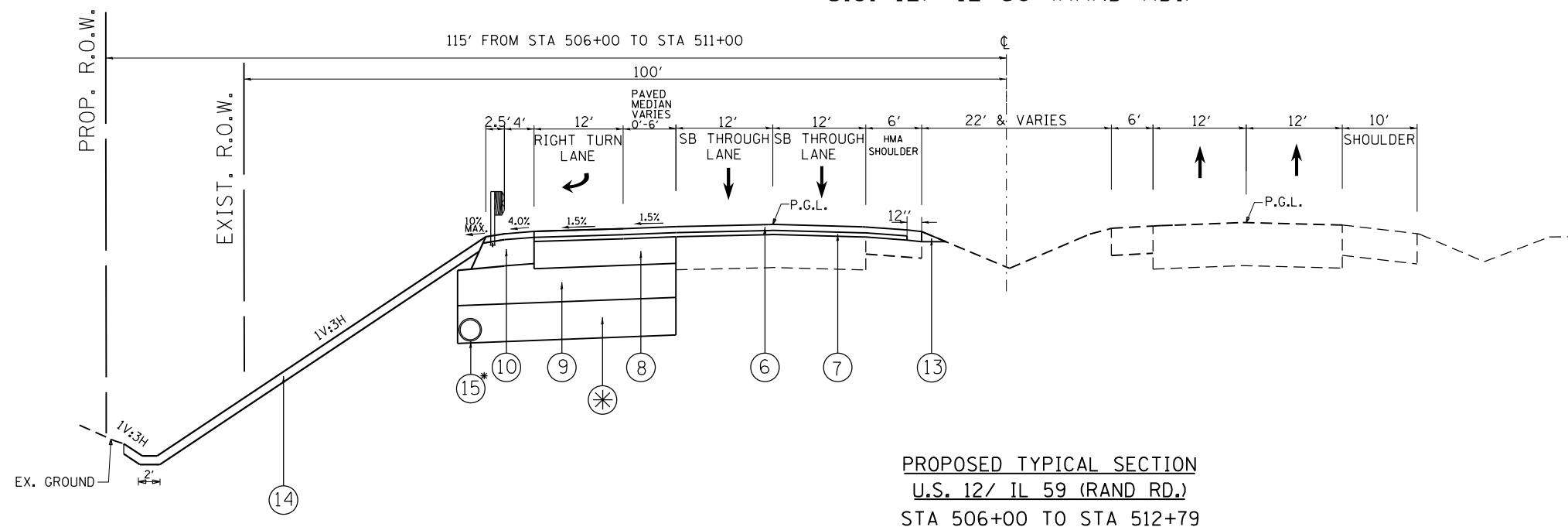
U.S. 12/ IL 59 (RAND RD.)



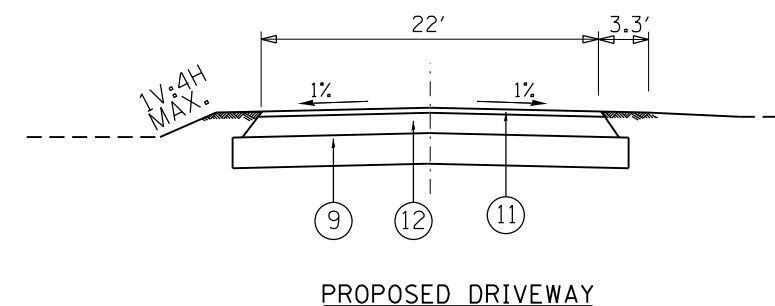
LEGEND

- ① EXISTING P.C.C. PAVEMENT, ± 10"
- ② EXISTING HMA SURFACE AFTER MILLING, 1 1/2"
- ③ EXISTING HMA BASE COURSE WIDENING
- ④ EXISTING HMA SHOULDER
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70, 1 1/2"
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑨ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑪ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 2"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED TOPSOIL, 6"
- ⑮ PROPOSED PIPE UNDERDRAIN, 4"

U.S. 12/ IL 59 (RAND RD.)



REMOVAL ITEMS



- ⊛ AGGREGATE SUBGRADE IMPROVEMENT 12" UNDERCUT STA 505+50 TO STA 508+00
- * PIPE UNDERDRAIN, 4" STA 505+50 TO STA 508+00

PROPOSED TYPICAL SECTION
U.S. 12/ IL 59 (RAND RD.)
STA 506+00 TO STA 512+79

FILE NAME =	USER NAME = windot	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION US 12/IL 59 AT FOX LAKE RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\windot\windot\0172364\169001\sh-typical.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					334	106N-1	LAKE	39	7
\$MODELNAME\$	PLOT DATE = 10/19/2012	CHECKED -	REVISED -		CONTRACT NO. 60T50			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

EXIST. IL. 59	PT# 103	N 2062909.7986	E 1029332.8628	STA. 477+07.27
	PC CURVE 1	N 2063413.8396	E 1029032.3245	STA. 482+94.11
	PI CURVE 1	N 2064178.0622	E 1028576.6509	STA. 491+83.87
	PT CURVE 1	N 2065067.8229	E 1028577.3200	STA. 500+30.43
EXIST. FOX LAKE RD.	PT# 100	N 2067234.7888	E 1028578.9496	STA. 521+97.40
	PT# A10	N 2063285.2791	E 1027928.2032	STA. 180+64.65
	PC CURVE 1	N 2064621.0688	E 1028440.9676	STA. 194+95.48
	PI CURVE 1	N 2064783.3250	E 1028503.2522	STA. 196+69.28
EXIST. YMCA ACCESS RD.	PT CURVE 1	N 2064953.2131	E 1028466.5850	STA. 198+33.31
	PC CURVE 2	N 2064953.2131	E 1028466.5850	STA. 198+33.31
	PI CURVE 2	N 2065036.5769	E 1028448.5924	STA. 199+18.59
	PT CURVE 2	N 2065037.1112	E 1028533.8741	STA. 199+56.43
PROP. DRIVEWAY	PT# A11	N 2065037.3841	E 1028577.4408	STA. 200+00.00
	PT# 115	N 2065037.3841	E 1028577.4408	STA. 100+00.00
	PT# 114	N 2065061.2843	E 1028831.0404	STA. 102+54.69
	PT# 2160	N 2065065.3284	E 1029278.8081	STA. 107+02.51
PROP. DRIVEWAY	PT# A20	N 2065061.5543	E 1028466.8177	STA. 10+00.00
	PC CURVE 1	N 2065126.5050	E 1028410.3718	STA. 10+86.05
	PI CURVE 1	N 2065172.2092	E 1028370.6522	STA. 11+46.60
	PT CURVE 1	N 2065232.6795	E 1028373.7930	STA. 12+01.15
	PC CURVE 2	N 2065276.0292	E 1028376.0445	STA. 12+44.56
	PI CURVE 2	N 2065312.5211	E 1028377.9399	STA. 12+81.10
	PT CURVE 2	N 2065341.6377	E 1028355.8612	STA. 13+14.63
	PT# A21	N 2065372.0047	E 1028332.8344	STA. 13+52.74

CONTROL POINTS

CP# 1	N 2063497.8249	E 1027992.0217
CP# 2	N 2063867.5596	E 1028132.1088
CP# 3	N 2064993.5997	E 1028391.1221
CP# 4	N 2065061.0788	E 1028668.3899
CP# 5	N 2065621.8662	E 1028629.7496
CP# 6	N 2066529.0287	E 1028630.6505
CP# 7	N 2064623.7496	E 1028555.8305
CP# 8	N 2063976.1842	E 1028711.8057
CP# 9	N 2064346.8208	E 1028652.9094

BENCHMARKS

- BM 1 - SPIKE IN P.P. S.E. CORNER OF US12/IL 59 & FOX LAKE RD.
- BM 2 - RR SPIKE (FOUND) IN P.P. W. SIDE OF US 12/IL 59, 3RD P.P. N. OF FOX LAKE RD. ±500' N. OF FOX LAKE RD. ELEV. 784.26
- BM 3 - SPIKE IN P.P. WEST SIDE OF FOX LAKE RD. (STA. 485+25/25' L) @ ENT. TO PETER BAKER & SONS EXCAVATING CO.

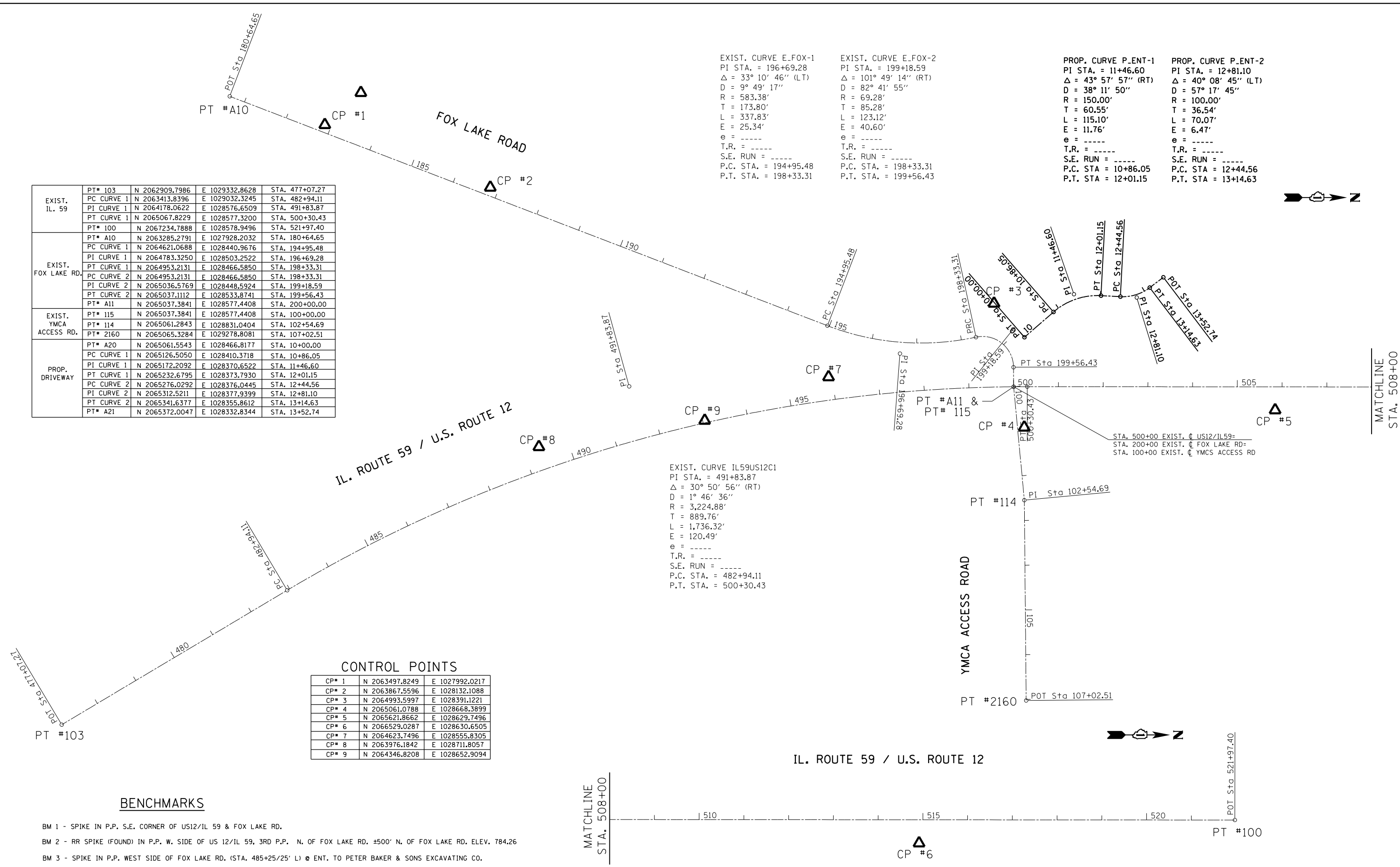
EXIST. CURVE E_FOX-1
 PI STA. = 196+69.28
 $\Delta = 33^\circ 10' 46''$ (LT)
 $D = 9^\circ 49' 17''$
 $R = 583.38'$
 $T = 173.80'$
 $L = 337.83'$
 $E = 25.34'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 194+95.48
 P.T. STA. = 198+33.31

EXIST. CURVE E_FOX-2
 PI STA. = 199+18.59
 $\Delta = 101^\circ 49' 14''$ (RT)
 $D = 82^\circ 41' 55''$
 $R = 69.28'$
 $T = 85.28'$
 $L = 123.12'$
 $E = 40.60'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 198+33.31
 P.T. STA. = 199+56.43

PROP. CURVE P_ENT-1
 PI STA. = 11+46.60
 $\Delta = 43^\circ 57' 57''$ (RT)
 $D = 38^\circ 11' 50''$
 $R = 150.00'$
 $T = 60.55'$
 $L = 115.10'$
 $E = 11.76'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 10+86.05
 P.T. STA. = 12+01.15

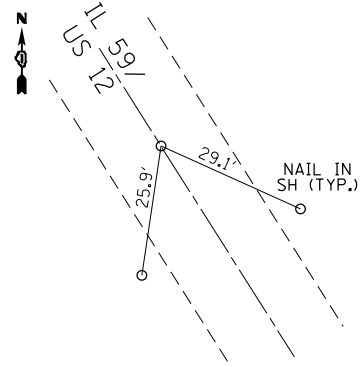
PROP. CURVE P_ENT-2
 PI STA. = 12+81.10
 $\Delta = 40^\circ 08' 45''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 36.54'$
 $L = 70.07'$
 $E = 6.47'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 12+44.56
 P.T. STA. = 13+14.63

EXIST. CURVE IL59US12C1
 PI STA. = 491+83.87
 $\Delta = 30^\circ 50' 56''$ (RT)
 $D = 1^\circ 46' 36''$
 $R = 3,224.88'$
 $T = 889.76'$
 $L = 1,736.32'$
 $E = 120.49'$
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 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 482+94.11
 P.T. STA. = 500+30.43

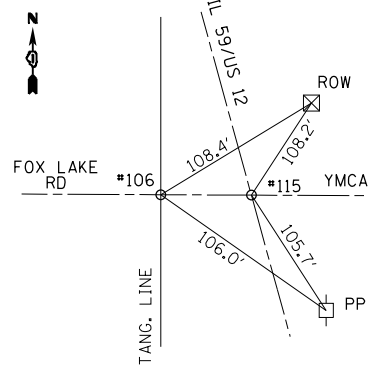


MATCHLINE
STA. 508+00

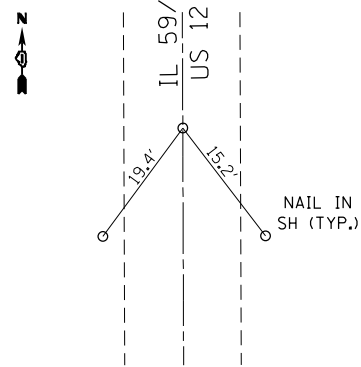
MATCHLINE
STA. 508+00



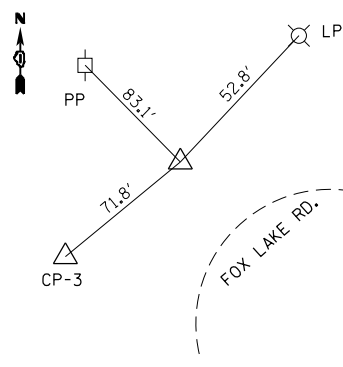
PT #103
STA. 477+07.27



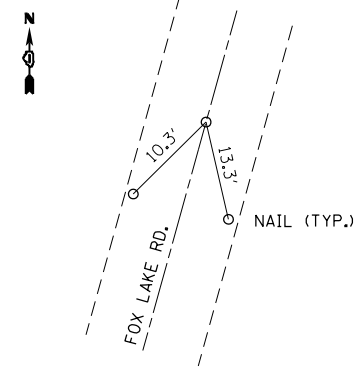
PT #106
&
PT # 115



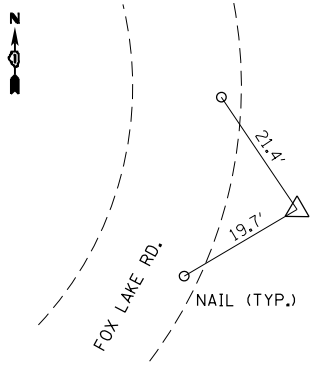
PT #100
STA. 521+97.40



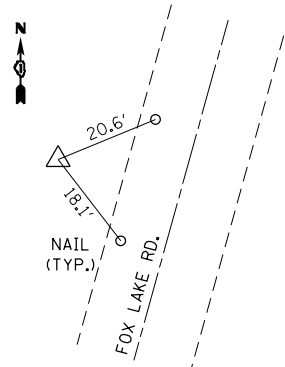
PT #108
P.I.



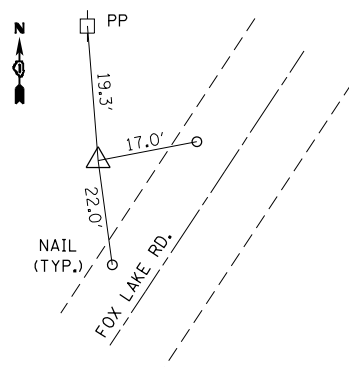
PT #112
STA. 180+64.65



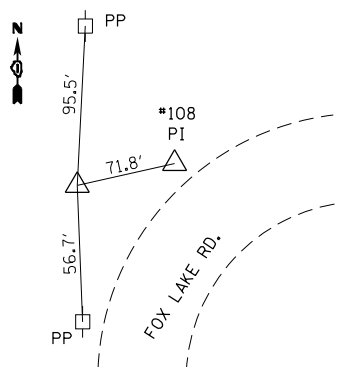
PT #109
PI



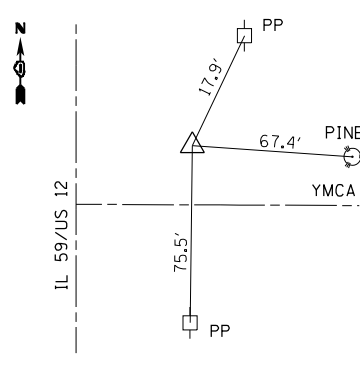
CP-1



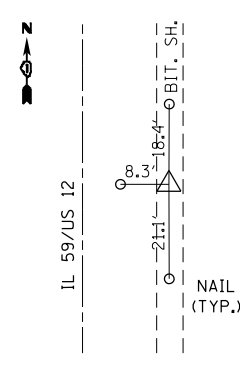
CP-2



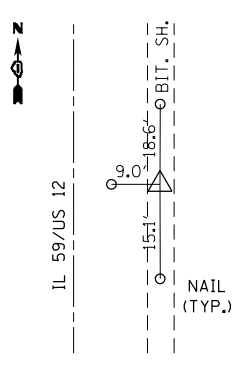
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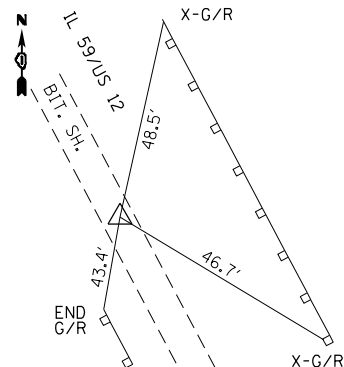
CP-4



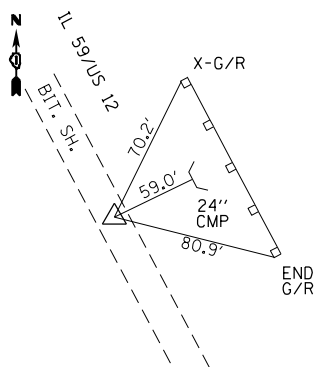
CP-5



CP-6



CP-7



CP-8

FILE NAME =	USER NAME = windot	DESIGNED -	REVISED -
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	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 10/19/2012	DATE -	REVISED -

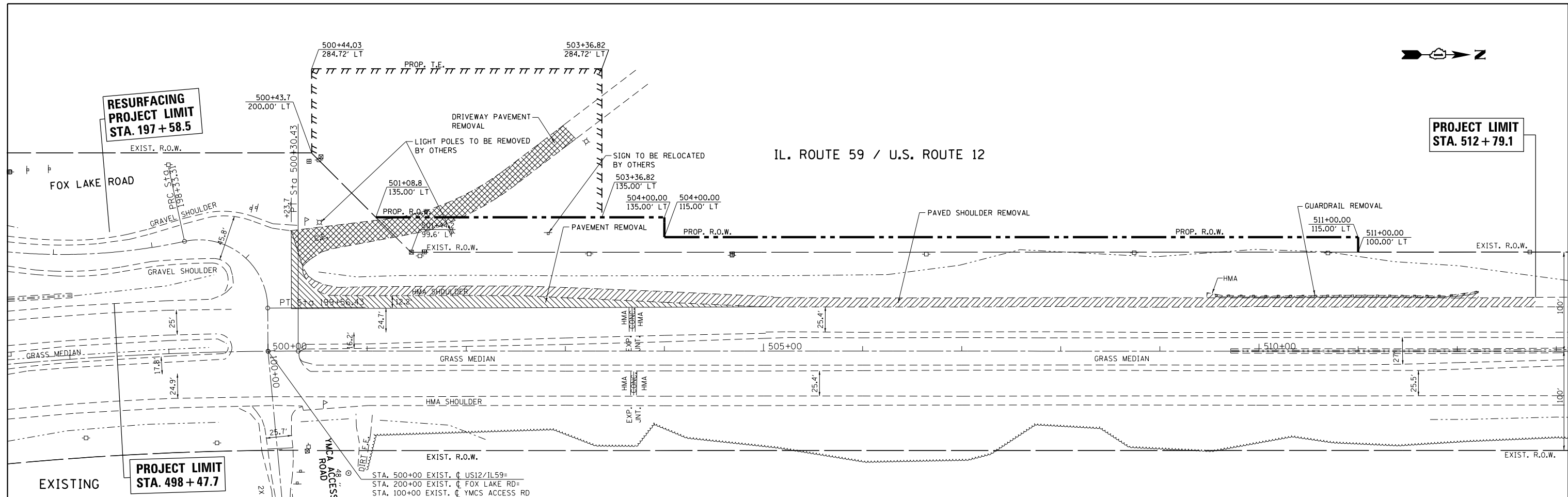
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
IL. RTE. 59/U.S. RTE. 12 AT FOX LAKE RD.

SCALE: 1"=100' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	10
CONTRACT NO. 60T50				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 59 / U.S. ROUTE 12

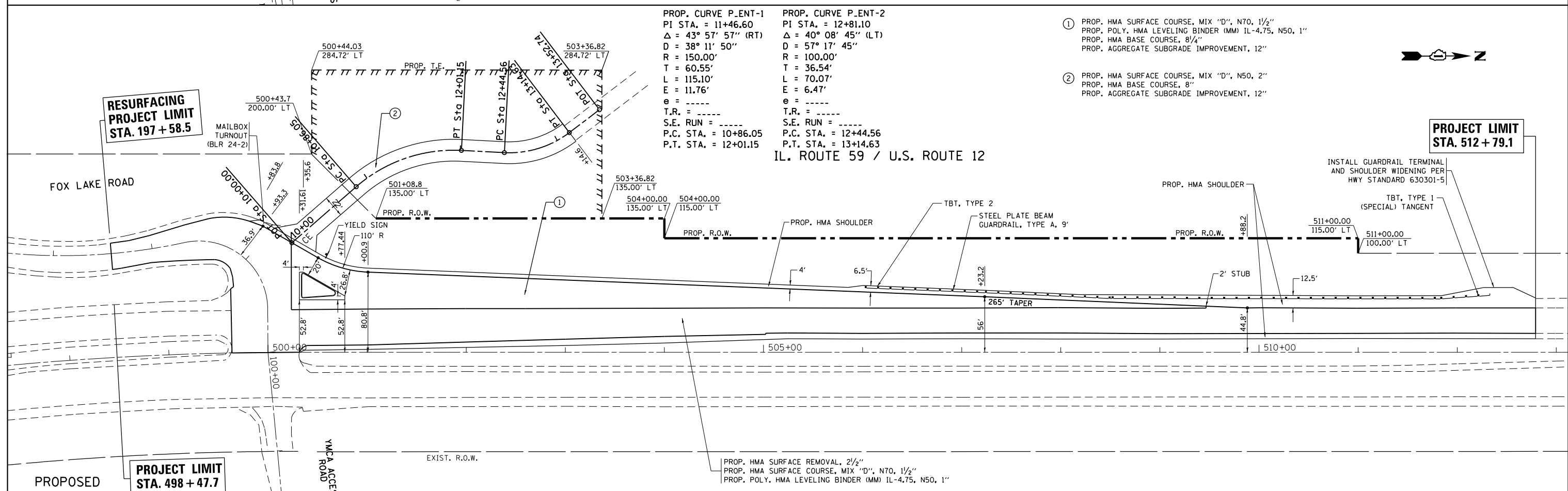


PROP. CURVE P-ENT-1
 PI STA. = 11+46.60
 $\Delta = 43^\circ 57' 57''$ (RT)
 D = 38° 11' 50"
 R = 150.00'
 T = 60.55'
 L = 115.10'
 E = 11.76'
 $\theta =$ -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 10+86.05
 P.T. STA. = 12+01.15

PROP. CURVE P-ENT-2
 PI STA. = 12+81.10
 $\Delta = 40^\circ 08' 45''$ (LT)
 D = 57° 17' 45"
 R = 100.00'
 T = 36.54'
 L = 70.07'
 E = 6.47'
 $\theta =$ -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 12+44.56
 P.T. STA. = 13+14.63

- ① PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLY. HMA LEVELING BINDER (MM) IL-4.75, N50, 1"
 PROP. HMA BASE COURSE, 8 1/4"
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ② PROP. HMA SURFACE COURSE, MIX "D", N50, 2"
 PROP. HMA BASE COURSE, 8"
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"

IL. ROUTE 59 / U.S. ROUTE 12



PROP. HMA SURFACE REMOVAL, 2 1/2"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLY. HMA LEVELING BINDER (MM) IL-4.75, N50, 1"

FILE NAME =
 USER NAME = windet
 DRAWN -
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 10/19/2012

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
 U.S ROUTE 12 /IL. ROUTE 59 AT FOX LAKE RD.

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	11
CONTRACT NO. 60T50				
ILLINOIS FED. AID PROJECT				

STAGE 1

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 1 CONSTRUCTION

MAINTENANCE OF TRAFFIC

INSTALL ADVANCE TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.
MAINTAIN TRAFFIC AT INTERSECTION AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE I.

CONSTRUCTION

- 1) CONSTRUCT PROPOSED COMMERCIAL DRIVEWAY AND TEMPORARY PAVEMENT
- 2) CONSTRUCT PROPOSED TEMPORARY PAVEMENT AT NORTH EAST CORNER OF FOX LAKE RD.

STAGE II

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 2 CONSTRUCTION.

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARDS 701701 AND 701421.
MAINTAIN TRAFFIC AT INTERSECTION AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE II.

CONSTRUCTION

- CONSTRUCTION TO BE PERFORMED ON NORTHWEST SIDE OF US 12/ IL 59.
- 1) REMOVAL OF EXISTING COMMERCIAL DRIVEWAY.
- 2) REMOVAL OF EXISTING RIGHT TURN LANE AND SHOULDERS AND CONSTRUCT PROPOSED WIDENING.
- 3) GRADING AND SHAPING DITCHES ALONG WEST SIDE OF SOUTH LEG OF US 12/ IL 59.
- 4) ADD PROPOSED DRAINAGE STRUCTURES AND GUARDRAIL.

STAGE III

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 3 CONSTRUCTION

MAINTENANCE OF TRAFFIC

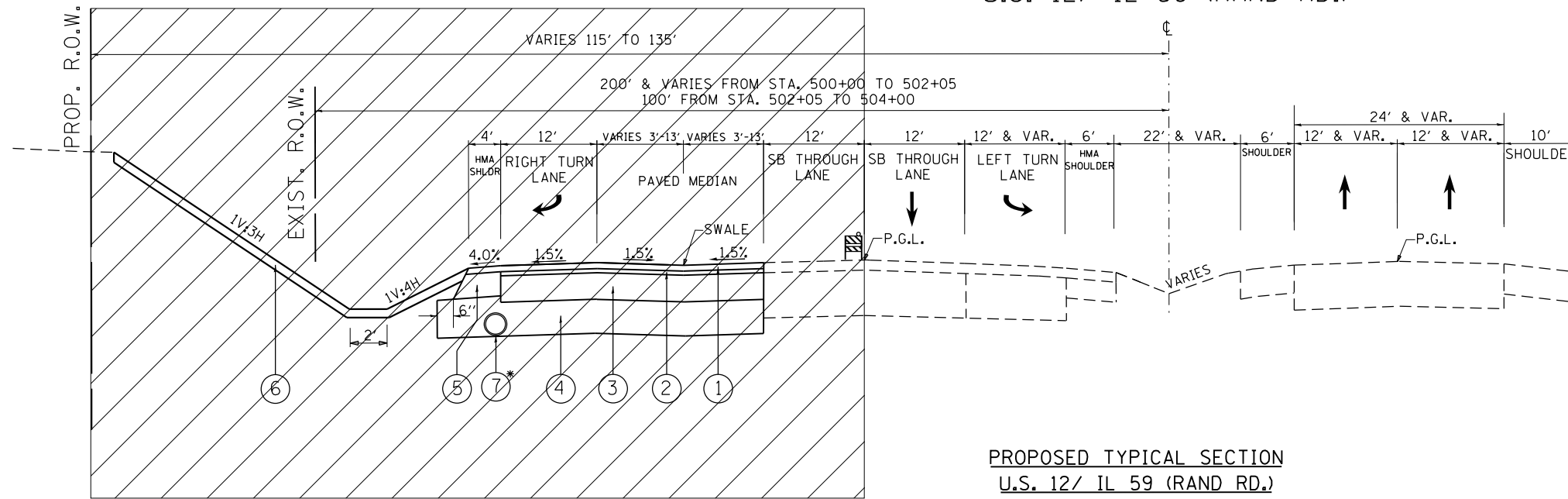
INSTALL ADVANCE TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701701, 701421 AND 701501.

CONSTRUCTION

- CONSTRUCTION TO BE PERFORMED ON US 12/ IL 59 AND FOX LAKE RD.
- 1) REMOVAL OF TEMPORARY PAVEMENT AT COMMERCIAL DRIVEWAY.
- 2) PAVEMENT RESURFACING
- 3) INSTALLATION OF THERMOPLASTIC PAVEMENT MARKINGS AND RAISED REFLECTORS

FILE NAME =	USER NAME = windot	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING AND TRAFFIC CONTROL PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.1162' / in.	CHECKED -	REVISED -	CONTRACT NO. 60T50										
PLOT DATE = 10/19/2012	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

U.S. 12/ IL 59 (RAND RD.)



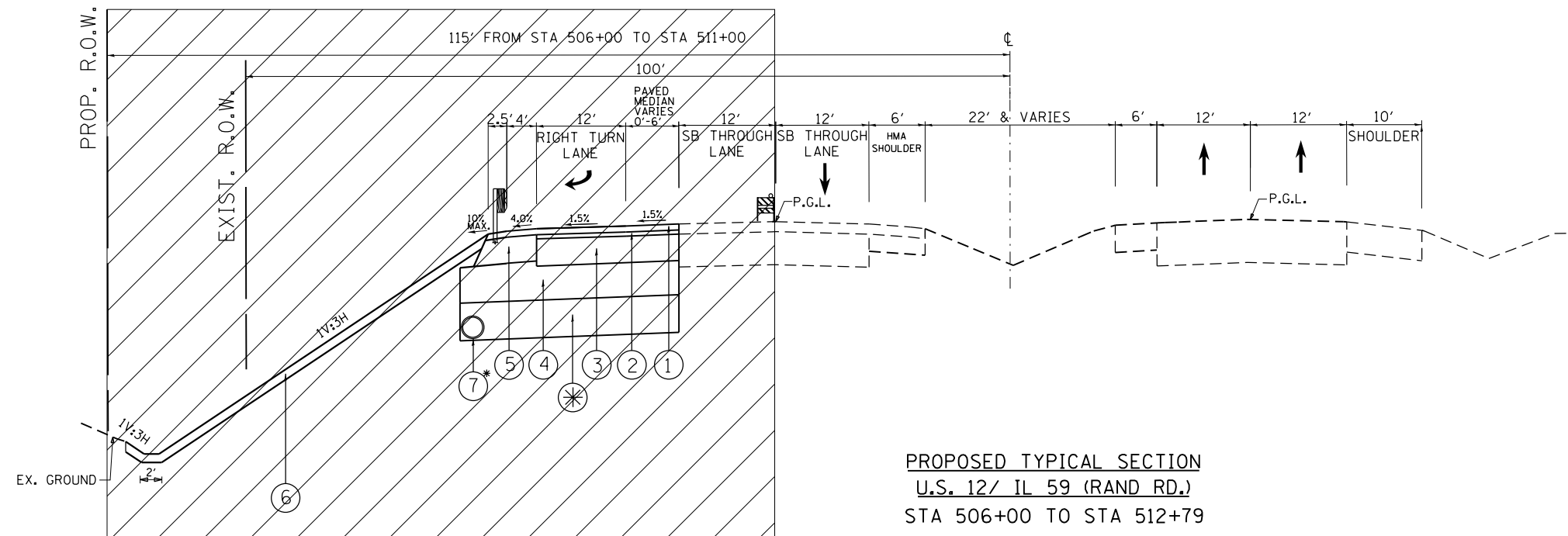
* PIPE UNDERDRAIN, 4"
STA 501+00 TO STA 503+00

PROPOSED TYPICAL SECTION
U.S. 12/ IL 59 (RAND RD.)
STA 498+48 TO STA 506+00

LEGEND

- ① PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70, 1 1/2"
- ② PROPOSED POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1"
- ③ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ④ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑥ PROPOSED TOPSOIL, 6"
- ⑦ PROPOSED PIPE UNDERDRAIN, 4"

U.S. 12/ IL 59 (RAND RD.)



⊗ AGGREGATE SUBGRADE IMPROVEMENT
12" UNDERCUT
STA 505+50 TO STA 508+00

* PIPE UNDERDRAIN, 4"
STA 505+50 TO STA 508+00

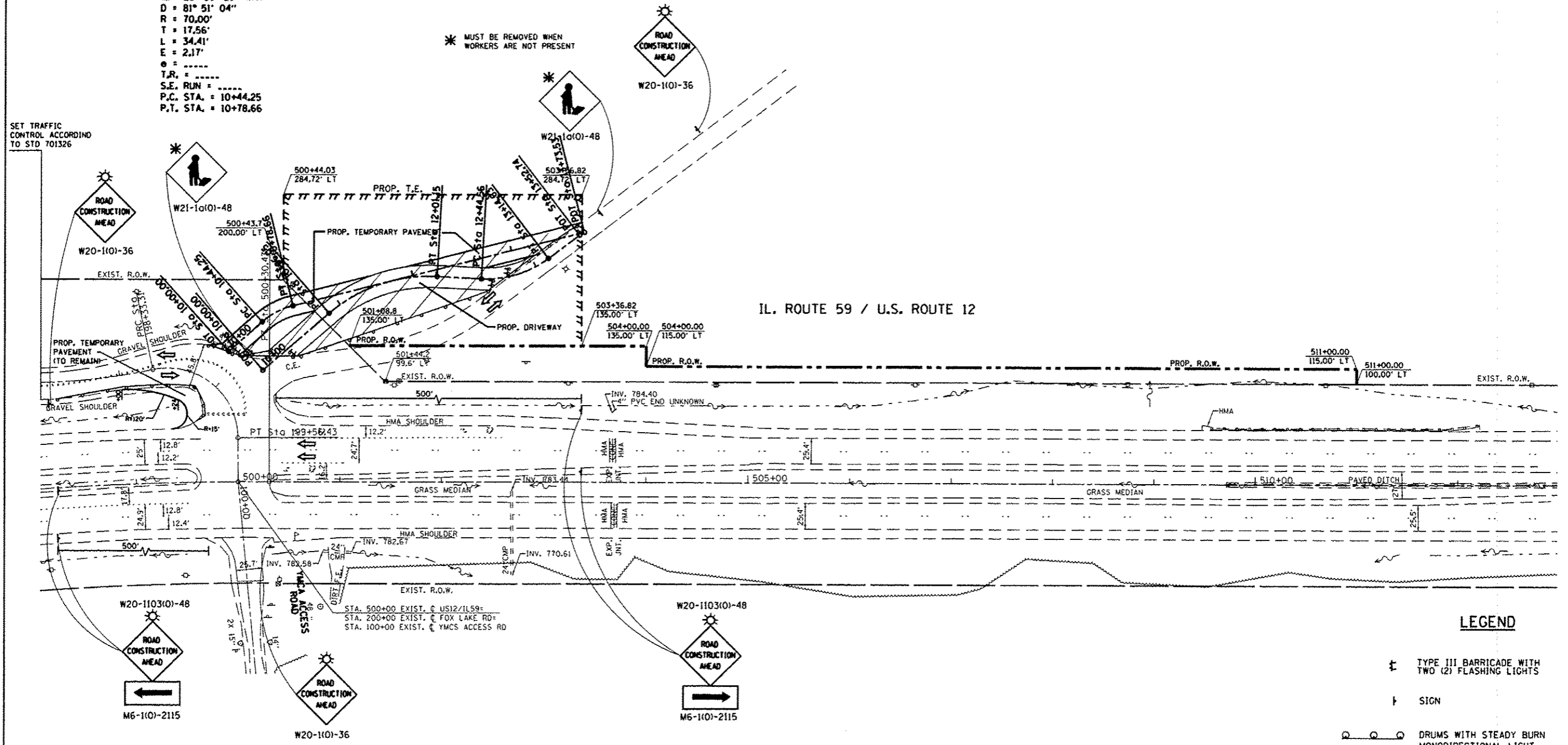
PROPOSED TYPICAL SECTION
U.S. 12/ IL 59 (RAND RD.)
STA 506+00 TO STA 512+79

FILE NAME =	USER NAME = windot	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE II AND TRAFFIC CONTROL TYPICAL SECTION US 12/IL 59 AT FOX LAKE RD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pw\work\windot\windot\d0172364\16169009-Design.dgn	DRAWN -	REVISED -	334					106N-1	LAKE	39	13	
PLOT SCALE = 100.1162' / in.	CHECKED -	REVISED -	CONTRACT NO. 60T50									
PLOT DATE = 10/19/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.		

TEMPORARY PAVEMENT CURVE
 PI STA. = 10+61.81
 $\Delta = 28^\circ 09' 59''$ (RT)
 $D = 81^\circ 51' 04''$
 $R = 70.00'$
 $T = 17.56'$
 $L = 34.41'$
 $E = 2.17'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 10+44.25$
 $P.T. STA. = 10+78.66$

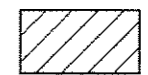
* MUST BE REMOVED WHEN WORKERS ARE NOT PRESENT

SET TRAFFIC CONTROL ACCORDING TO STD 701326



LEGEND

- ⚡ TYPE III BARRICADE WITH TWO (2) FLASHING LIGHTS
- ⚡ SIGN
- ⦿ DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)



WORK AREA

Rev. Sheet 1-3-13

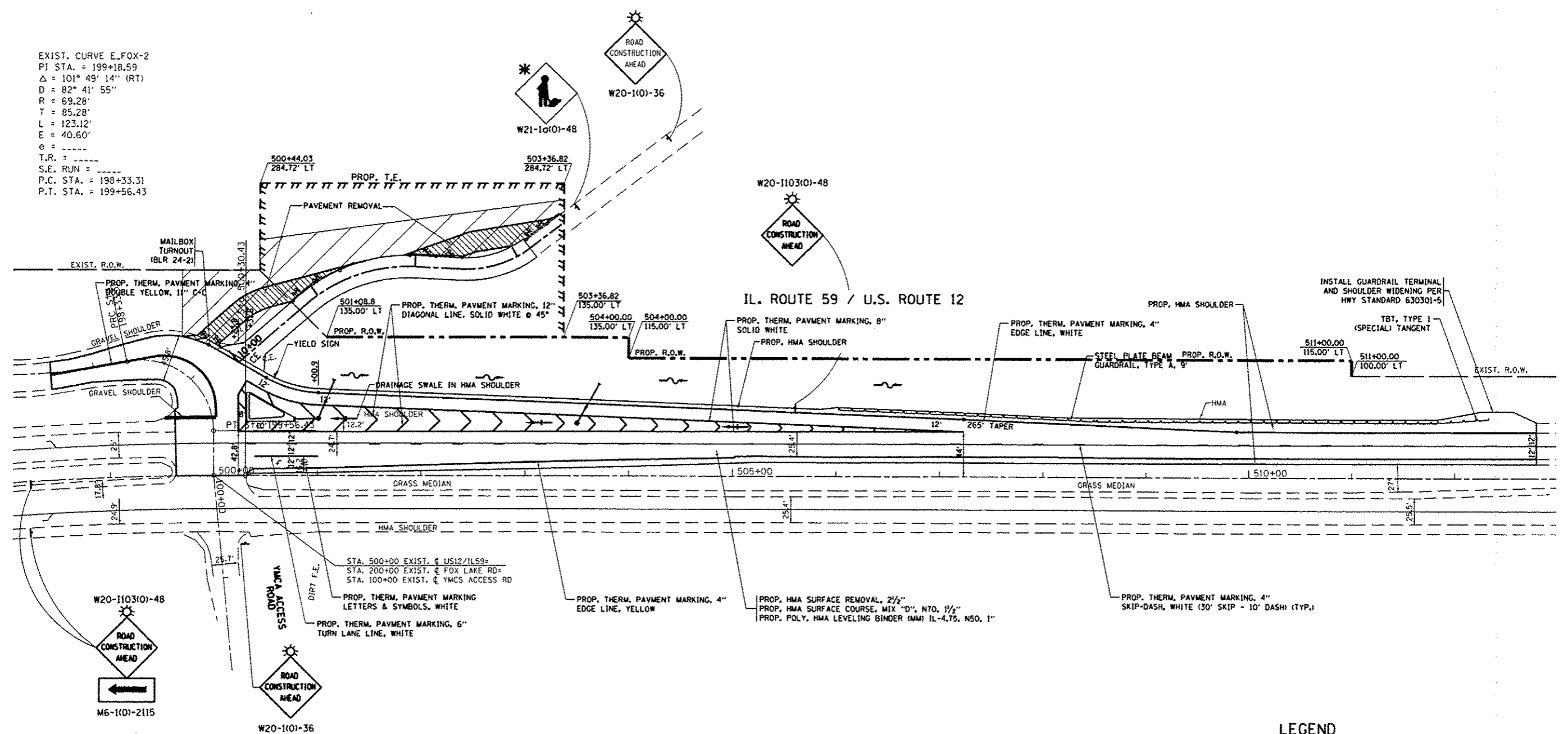
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

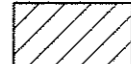
SUGGESTED STAGING AND TRAFFIC CONTROL			
STAGE I			
US 12/IL 59 AT FOX LAKE RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	14
CONTRACT NO. 60T50				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE E.FOX-2
 P1 STA. = 199+18.59
 $\Delta = 101^\circ 49' 14''$ (RT)
 $D = 82^\circ 41' 55''$
 $R = 69.28'$
 $T = 85.28'$
 $L = 123.12'$
 $E = 40.60'$
 $e = \dots$
 T.R. = \dots
 S.E. RUN = \dots
 P.C. STA. = 198+33.31
 P.T. STA. = 199+56.43



LEGEND

- ⊠ TYPE III BARRICADE WITH TWO (2) FLASHING LIGHTS
- † SIGN
- ⊖ DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
-  WORK AREA

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	PLOT DATE = 11/27/2012	DATE -	REVISED -

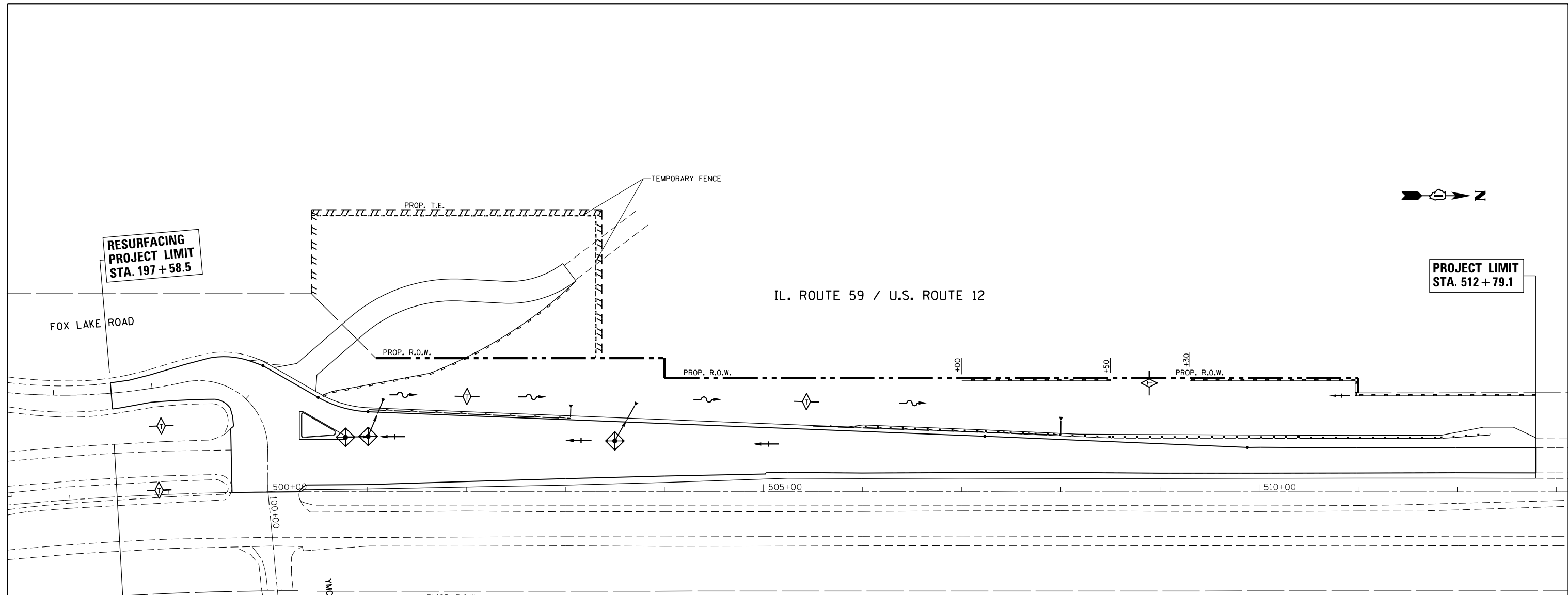
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL
 STAGE III
 US 12/IL 59 AT FOX LAKE RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 106N-1	COUNTY LAKE	TOTAL SHEETS 39	SHEET NO. 16
CONTRACT NO. 60150				
ILLINOIS FED. AID PROJECT				




Rev. Sheet 1-3-13



NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
2. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
4. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
5. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. PERIMETER EROSION BARRIER SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
6. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES, DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOBSITE INSPECTION PENDING BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
7. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
8. NPDES PERMIT IS REQUIRED FOR THE PROJECT.

LEGEND

-  PERIMETER EROSION BARRIER
-  INLET FILERS
-  TEMPORARY DITCH CHECK

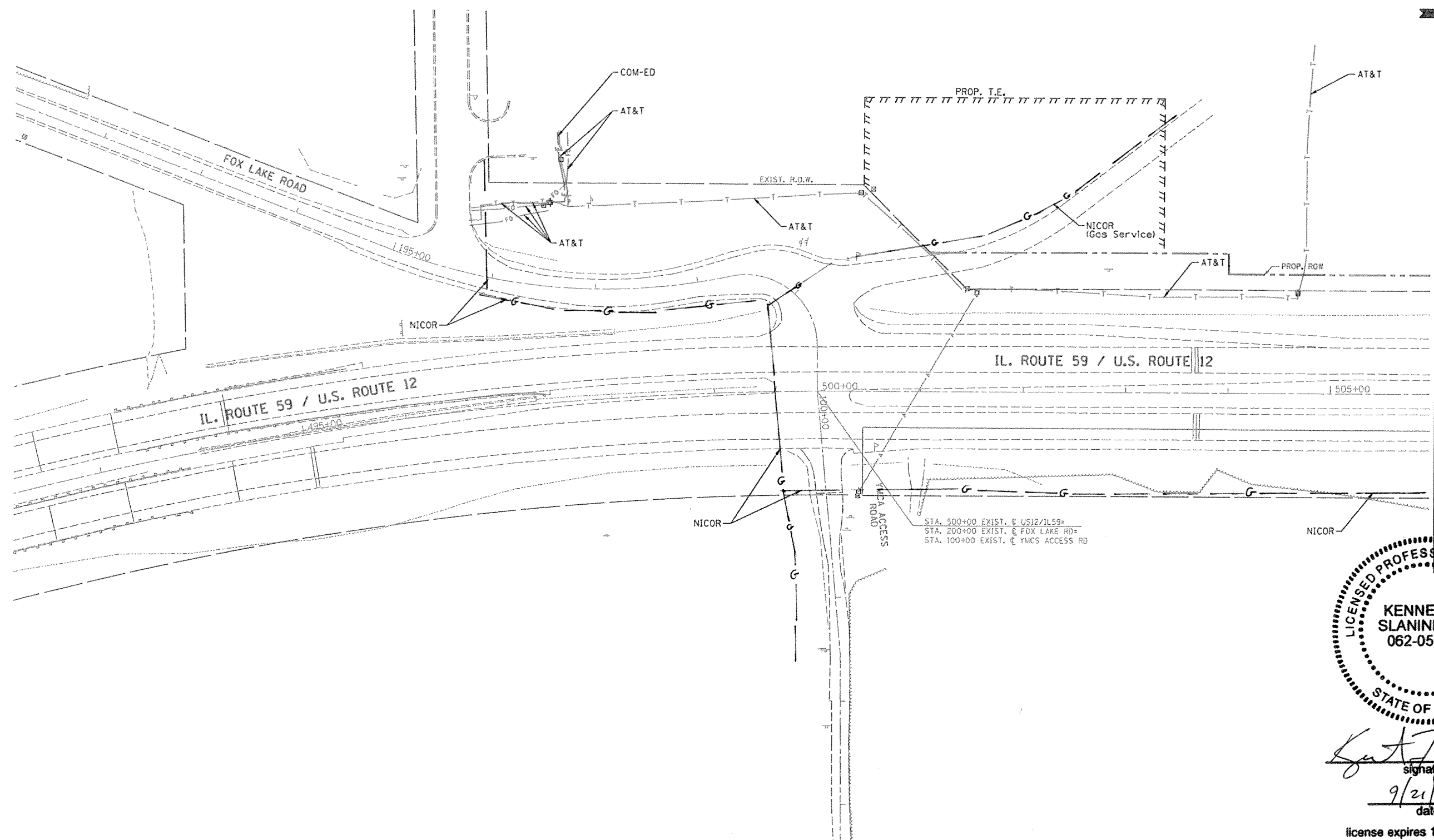
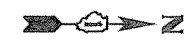
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
U.S ROUTE 12 /IL. ROUTE 59 AT FOX LAKE RD.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	17
CONTRACT NO. 60T50				
ILLINOIS FED. AID PROJECT				



STA. 500+00 EXIST. @ US12/IL59=
 STA. 200+00 EXIST. @ FOX LAKE RD=
 STA. 100+00 EXIST. @ YMCA ACCESS RD

SEE SHEET 2



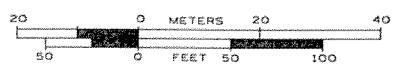
Kent J. Slaninka
 signature
 9/21/12
 date
 license expires 11-30-13

— A — A —	AERIAL UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
	TBE TEST HOLE

UTILITY OWNERS	
AT&T	= FIBER OPTIC
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
NICOR	= GAS

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's UL "B" SUE field investigation was performed 9/17/12 through 9/18/12. Changes to utilities after 9/18/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510505
 SUE Plan Page: 1 of 2

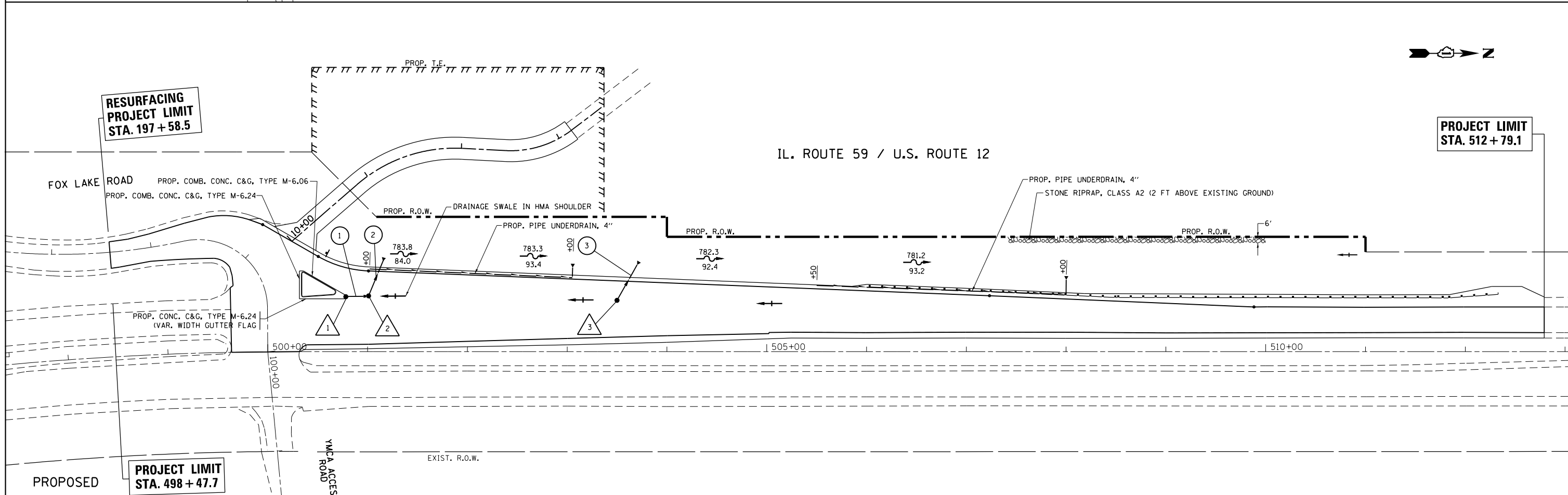
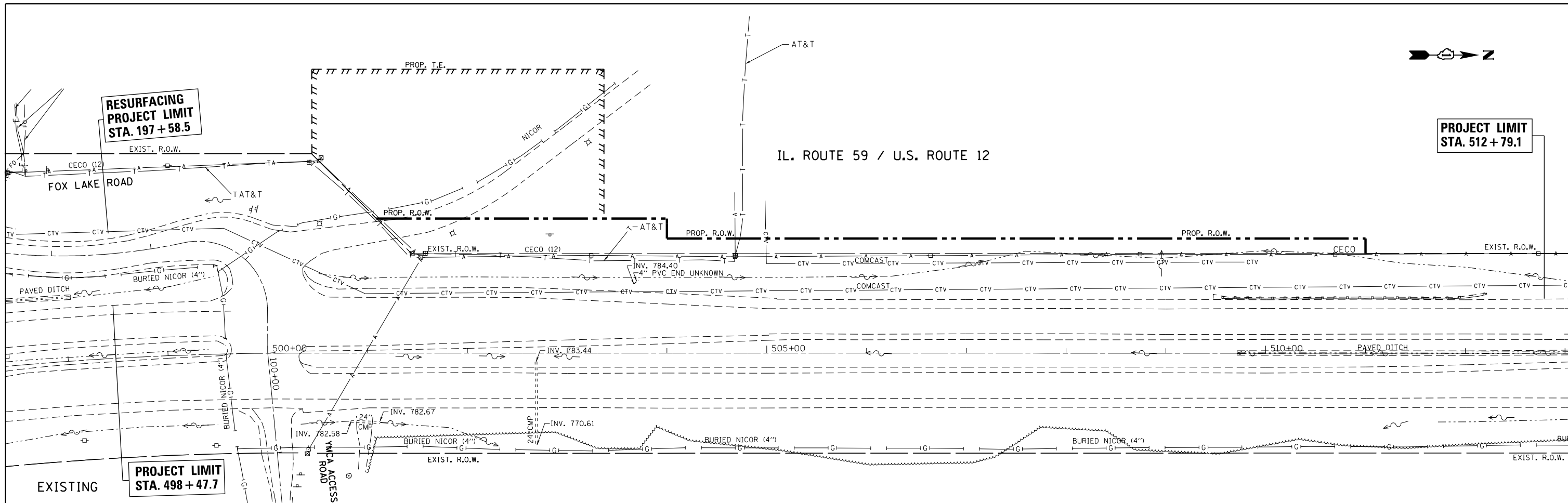
Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED	
DRAWN	SRK	REVISED	
CHECKED	KFS	REVISED	
DATE	9/21/12	REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 12/L RT. 59 at Fox Lake Road
 Lakemoor, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	Lake	35	18
FED. ROAD DIST. NO.			ILLINOIS IDOT Project No.	
			Contract No. 60T50	



FILE NAME =	USER NAME = windet	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLAN U.S. ROUTE 12 /IL. ROUTE 59 AT FOX LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 100.0000' / in.	DRAWN -	REVISED -			334	106N-1	LAKE	39	19	
	PLOT DATE = 10/19/2012	CHECKED -	REVISED -			CONTRACT NO. 60T50					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PART OF THE NORTHWEST QUARTER OF SECTION 34, TWP. 45 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JG0001 1JG0001E	ELIZABETH J. WERTKE, AS TRUSTEE OF THE ELIZABETH J. WERTKE TRUST DATED JANUARY 27, 1999, AS TO AN UNDIVIDED 1/2 INTEREST, AND ELIZABETH J. WERTKE, AS SUCCESSOR TRUSTEE OF THE RUSSEL AND ELIZABETH WERTKE LIVING TRUST DATED AUGUST 21, 1991, AS TO AN UNDIVIDED 1/2 INTEREST	20.000	1.933	1.660	18.067	0.958		05-34-100-005	
1JG0002	ELIZABETH J. WERTKE, AS TRUSTEE OF THE ELIZABETH J. WERTKE TRUST DATED JANUARY 27, 1999	4.903	0.557	0.501	4.346			05-34-100-007	

SCHEDULE OF TIES

POINT	TIE TO POINT	TIE DISTANCE (FEET)
3	T1	36.55
	T2	32.95
	T3	41.64
4	T4	71.06
	T5	31.05
5	T6	96.30
	T4	82.10
	T5	51.05
6	T6	97.68
	T6	50.81
	T7	23.43
7	T8	22.00
	T9	58.69
	T10	51.35
	T11	35.29

LEGEND

SECTION CORNER: 9 10 16 15
QUARTER CORNER: 16 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

BY = BUILDING CORNER
CONC = CONCRETE
FES = FLARED END SECTION
GR = GAS REGULATOR
GV = GAS VALVE
HMA = HOT MIX ASPHALT
PP = POWER POLE
PEDC = CABLE PEDESTAL
PEDT = TELEPHONE PEDESTAL
TRANS = TRANSFORMER

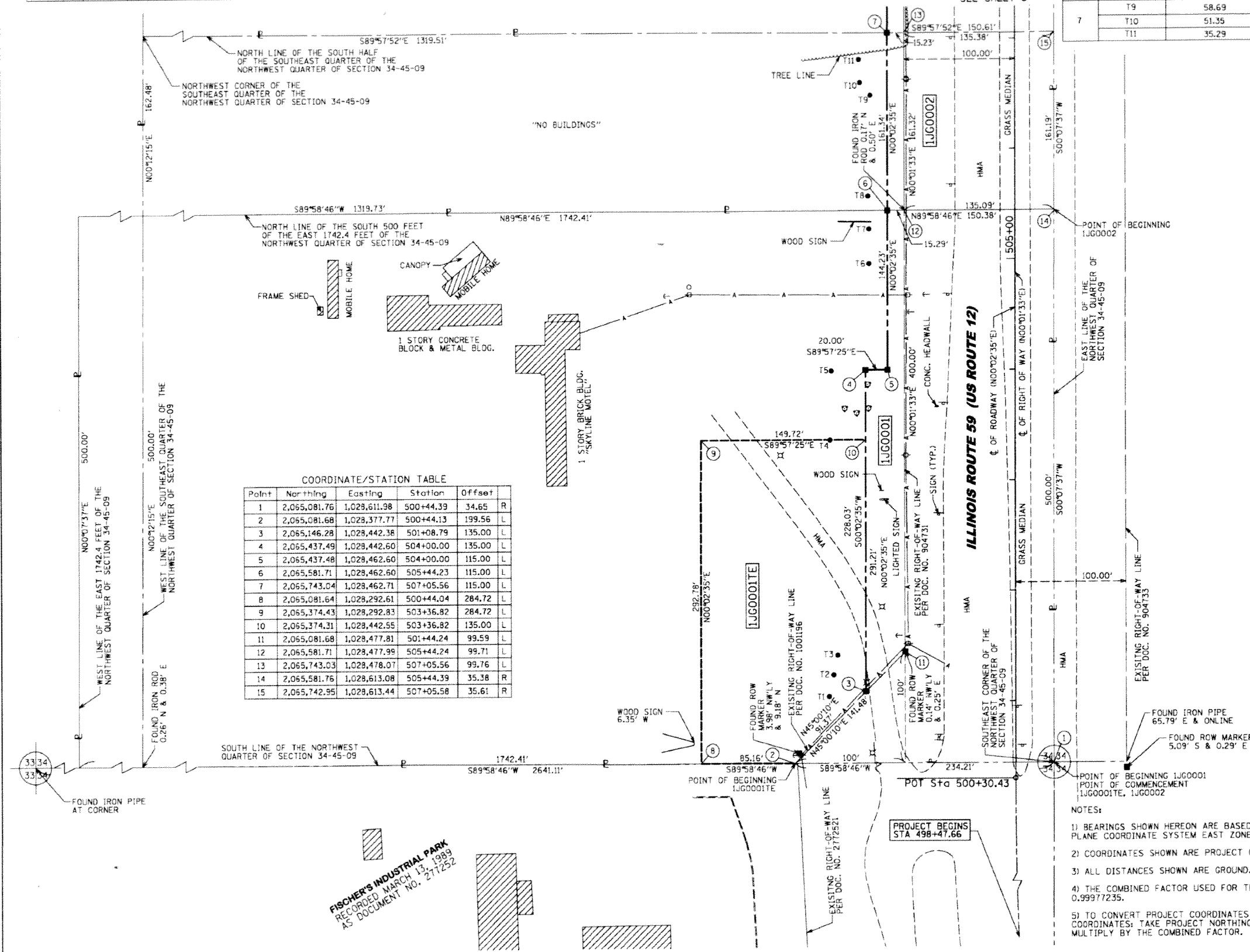
● IRON PIPE OR ROD FOUND
+ CUT CROSS FOUND OR SET
● 5 / 8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET

BY	DATE
JDC <td>08/23/11</td>	08/23/11
DAG <td>08/23/11</td>	08/23/11
DAG <td>07/05/12</td>	07/05/12

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	
1	2,065,081.76	1,028,611.98	500+44.39	34.65	R
2	2,065,081.68	1,028,377.77	500+44.13	199.56	L
3	2,065,146.28	1,028,442.38	501+08.79	135.00	L
4	2,065,437.49	1,028,442.60	504+00.00	135.00	L
5	2,065,437.48	1,028,462.60	504+00.00	115.00	L
6	2,065,581.71	1,028,462.60	505+44.23	115.00	L
7	2,065,743.04	1,028,462.71	507+05.56	115.00	L
8	2,065,081.64	1,028,292.61	500+44.04	284.72	L
9	2,065,374.43	1,028,292.83	503+36.82	284.72	L
10	2,065,374.31	1,028,442.55	503+36.82	135.00	L
11	2,065,081.68	1,028,477.81	501+44.24	99.59	L
12	2,065,581.71	1,028,477.99	505+44.24	99.71	L
13	2,065,743.03	1,028,478.07	507+05.56	99.76	L
14	2,065,581.76	1,028,613.08	505+44.39	35.38	R
15	2,065,742.95	1,028,613.44	507+05.58	35.61	R



STATE OF ILLINOIS)
COUNTY OF COOK)
155

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9, 16 & 17, TOWNSHIP 46 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS _____ DAY OF _____, 20____ A.D.

RECEIVED
JUL 09 2012
PLATS & LEGALS

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 59 (US 12)

SECTION: AT FOX LAKE ROAD COUNTY: LAKE
PROJECT: ILLINOIS RTE. 59 JOB NO.: R-91-020-11
STATION: 500+30.43 TO STATION: 507+05.58
SCALE: 1"=50' SHEET 2 OF 3

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

11/5/2012 3:46:05 PM
N:\2012\Survey\Setting\2012-Plot of Highway-02.dwg

PART OF THE NORTHWEST QUARTER OF SECTION 34, TWP. 45 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JG0003	LUCILLE K. MOLLOY, AS TRUSTEE OF THE LUCILLE K. MOLLOY LIVING TRUST DATED NOVEMBER 25, 1991	60.083	1.366	1.229	58.717			05-34-100-006	

LEGEND

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPL APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 129.32' (COMP) COMPUTED DIMENSION
 (129.32') RECORDED DIMENSION
 EXISTING BUILDING

BX = BUILDING CORNER
 CONC = CONCRETE
 FES = FLARED END SECTION
 GR = GAS REGULATOR
 GV = GAS VALVE
 HMA = HOT MIX ASPHALT
 PP = POWER POLE
 PEDC = CABLE PEDESTAL
 PEDT = TELEPHONE PEDESTAL
 TRANS = TRANSFORMER

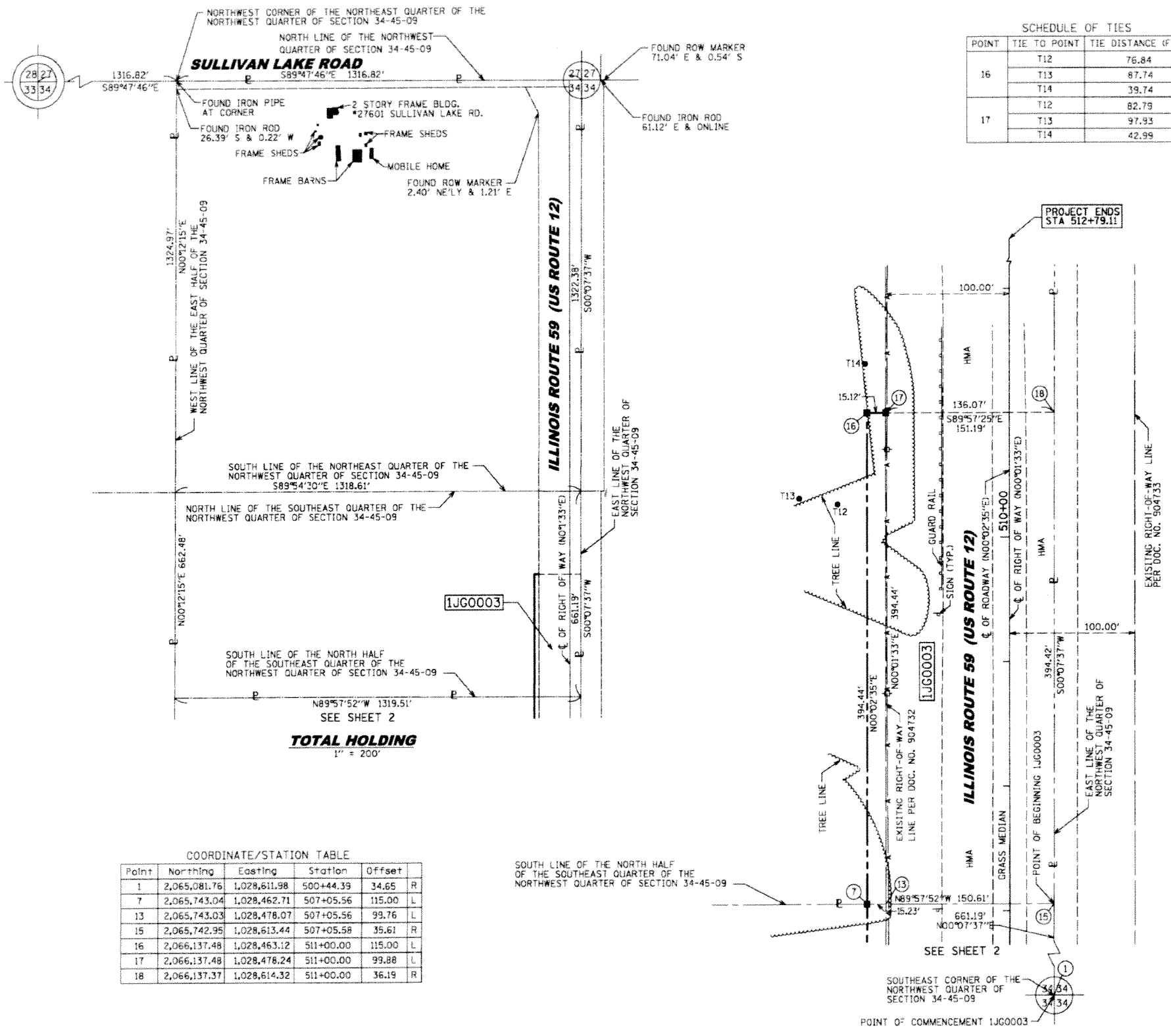
● IRON PIPE OR ROD FOUND
 + CUT CROSS FOUND OR SET
 ● 5 / 8" REBAR SET

TI THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT2
 BT3
 ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SCHEDULE OF TIES

POINT	TIE TO POINT	TIE DISTANCE (FEET)
16	T12	76.84
	T13	87.74
	T14	39.74
17	T12	82.79
	T13	97.93
	T14	42.99

BY	DATE	DESCRIPTION
JDC	08/23/11	DRAWN
DAG	08/23/11	APPROVED
DAG	07/05/12	REVISED



COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	Direction
1	2,065,081.76	1,028,611.98	500+44.39	34.65	R
7	2,065,743.04	1,028,462.71	507+05.56	115.00	L
13	2,065,743.03	1,028,478.07	507+05.56	99.76	L
15	2,065,742.95	1,028,613.44	507+05.58	35.61	R
16	2,066,137.48	1,028,463.12	511+00.00	115.00	L
17	2,066,137.48	1,028,478.24	511+00.00	99.88	L
18	2,066,137.37	1,028,614.32	511+00.00	36.19	R

- NOTES:**
- BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
 - COORDINATES SHOWN ARE PROJECT (GROUND).
 - ALL DISTANCES SHOWN ARE GROUND.
 - THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.99977235.
 - TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES: TAKE PROJECT NORTHING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 9, 16 & 17, TOWNSHIP 46 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS ____ DAY OF _____, 20__ A.D.

DALE A. GRAY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
 LICENSE EXPIRES: NOVEMBER 30, 2012

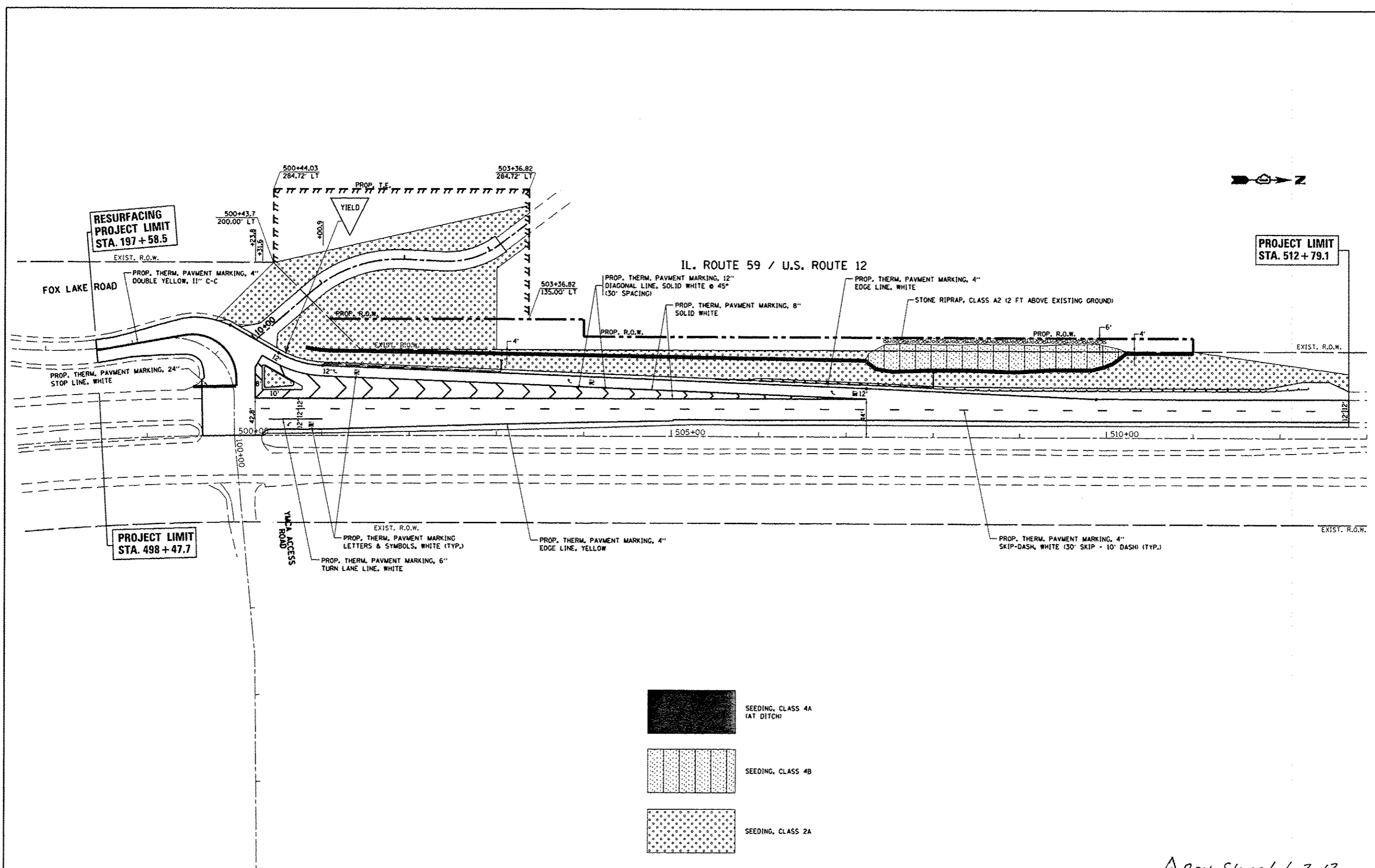
RECEIVED
 JUL 09 2012
 PLATS & LEGALS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

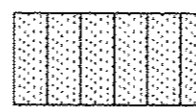
**PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 59 (US 12)**

SECTION: AT FOX LAKE ROAD COUNTY: LAKE
 PROJECT: ILLINOIS RTE. 59 JOB NO.: R-91-020-11
 STATION: 507+05.58 TO STATION: 511+00.00
 SCALE: 1" = 50' SHEET 3 OF 3

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



SEEDING, CLASS 4A
(AT DITCH)



SEEDING, CLASS 4B



SEEDING, CLASS 2A

Rev. Sheet 1-3-13

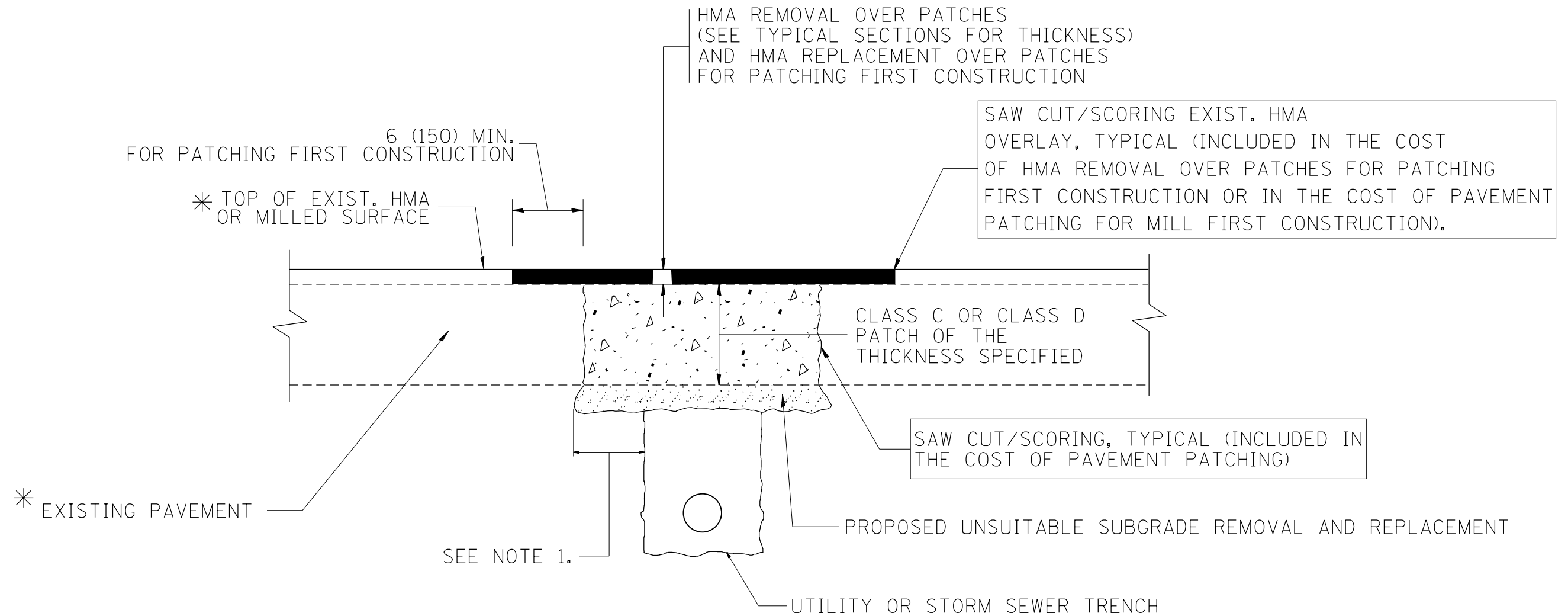
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Default	PLOT SCALE = 128.0000 1/ in.	CHECKED -	REVISED -
	PLOT DATE = 11/27/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
U.S ROUTE 12 /IL. ROUTE 59 AT FOX LAKE ROAD**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	22
CONTRACT NO. 60T50				
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)

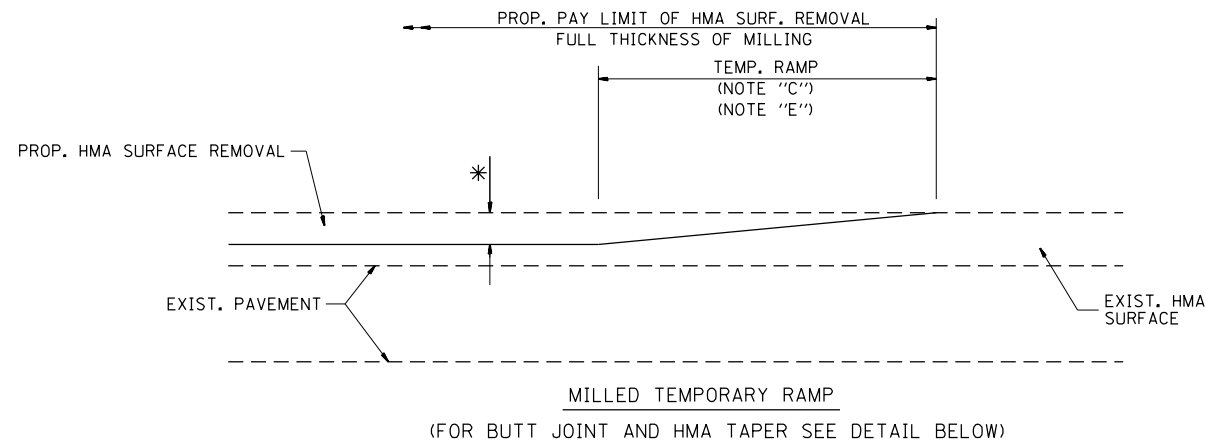
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

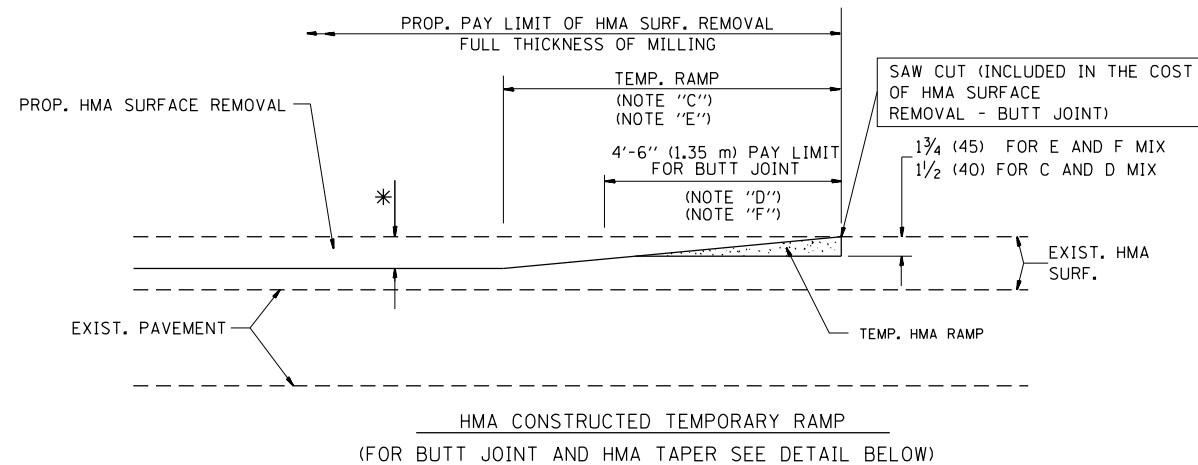
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = windet	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\windet\0172364\DistStd.dgn		DRAWN -	REVISED - R. BORO 01-01-07		334	106N-1	LAKE	39	23			
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 60T50					
	PLOT DATE = 10/19/2012	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

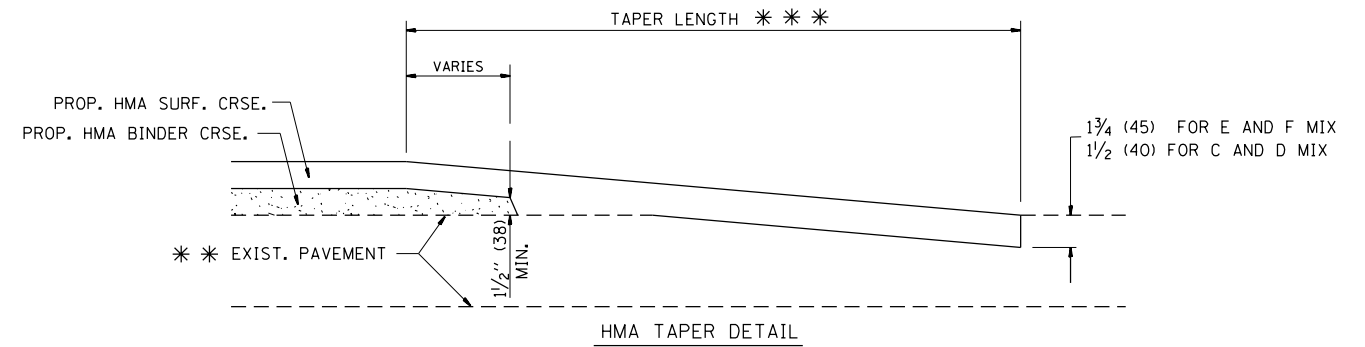
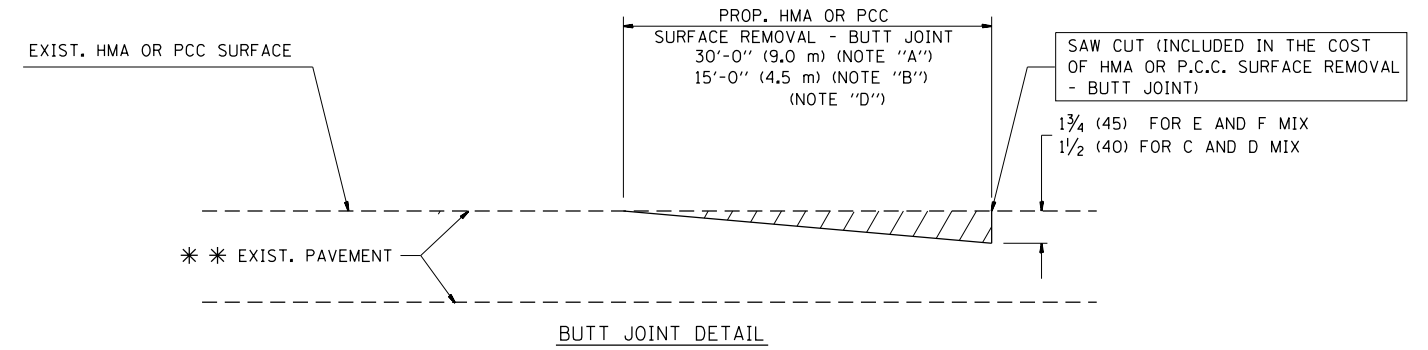


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

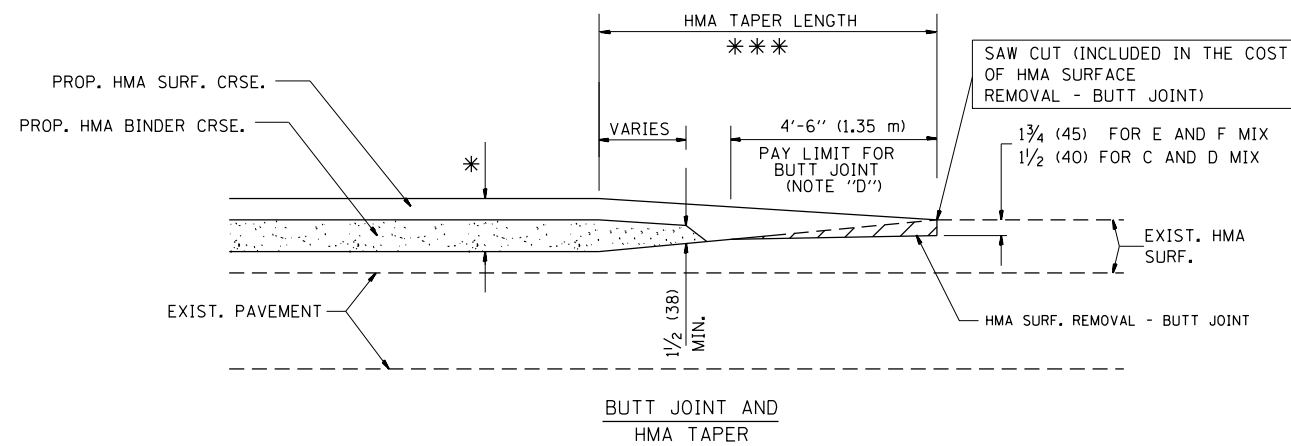
NOTES

- 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.



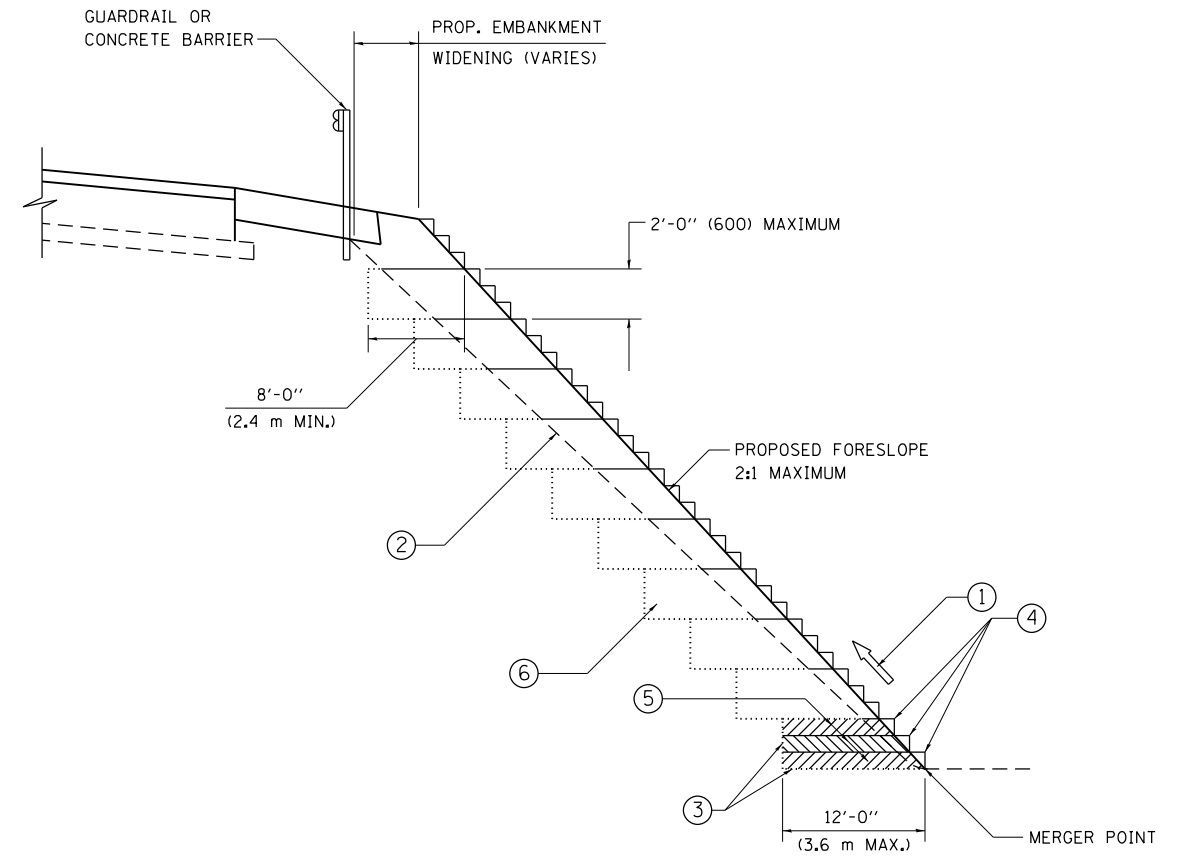
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 10/19/2012	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	24
BD400-05 BD32		CONTRACT NO. 60T50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

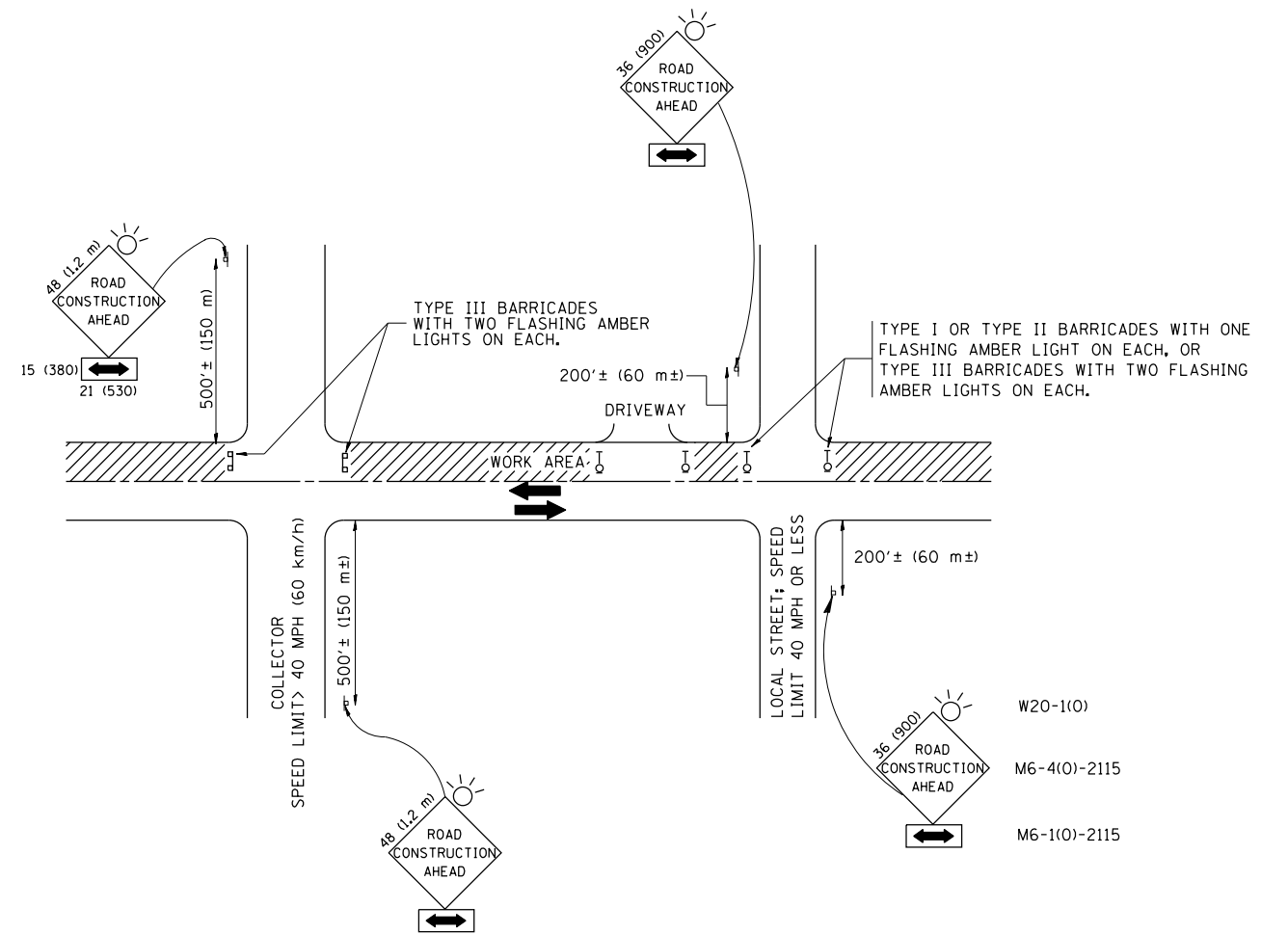
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT DATE = 10/19/2012	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	25
BD-51		CONTRACT NO. 60T50		
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.

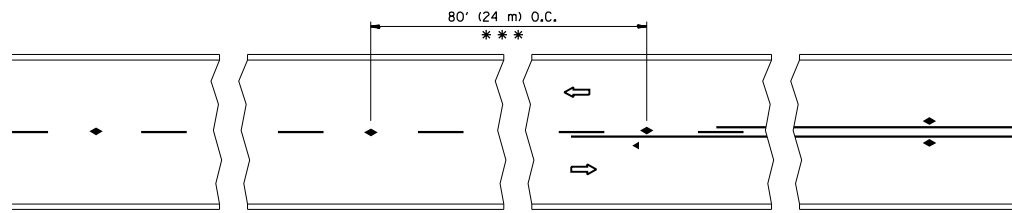
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 10/19/2012	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

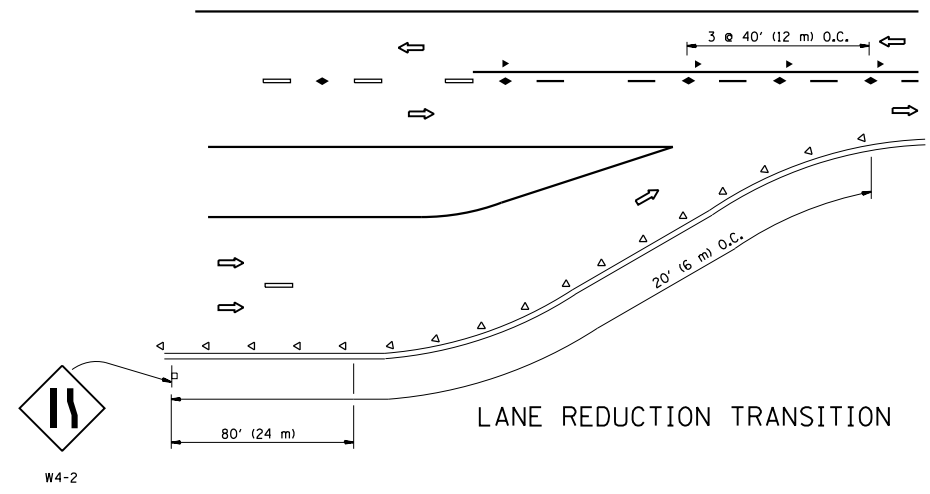
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60T50	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

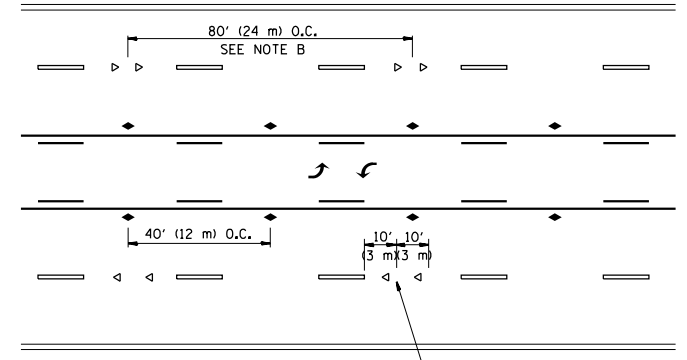


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

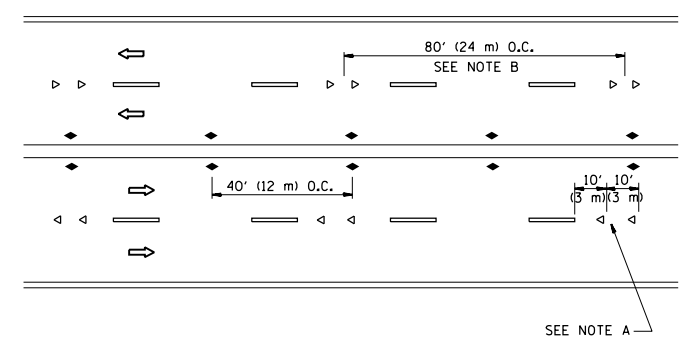
TWO-LANE/TWO-WAY



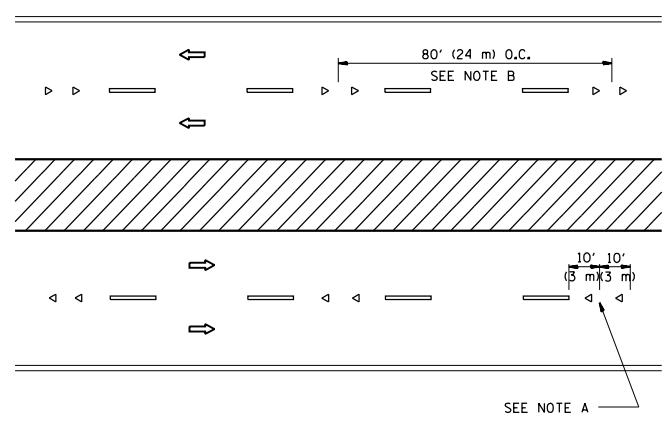
LANE REDUCTION TRANSITION



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

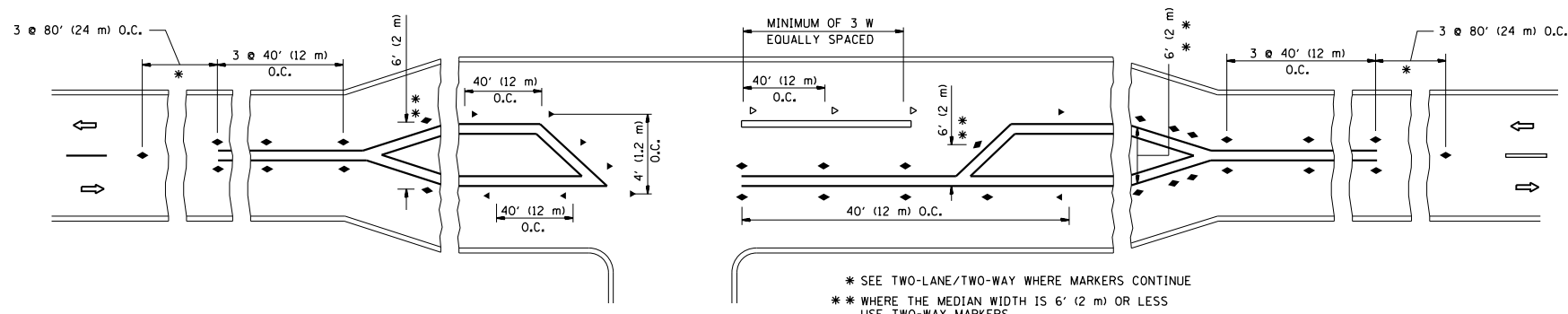
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

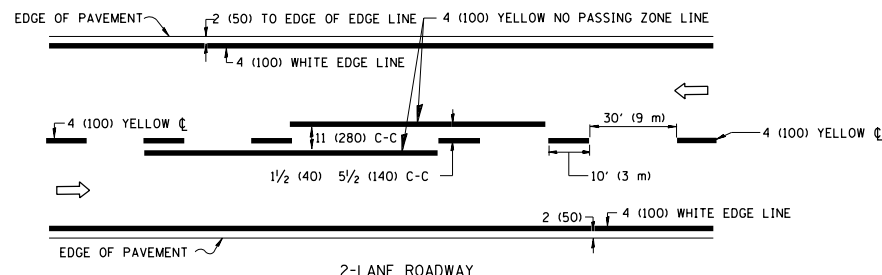


LEFT TURN

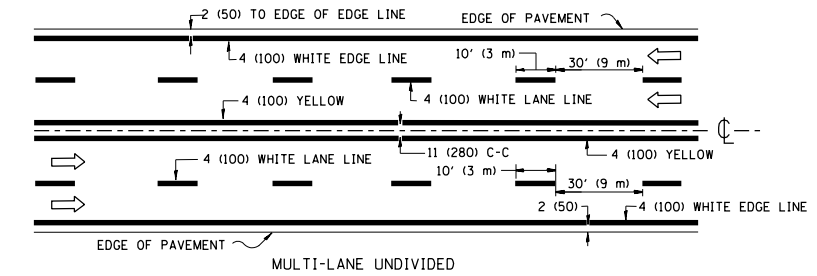
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

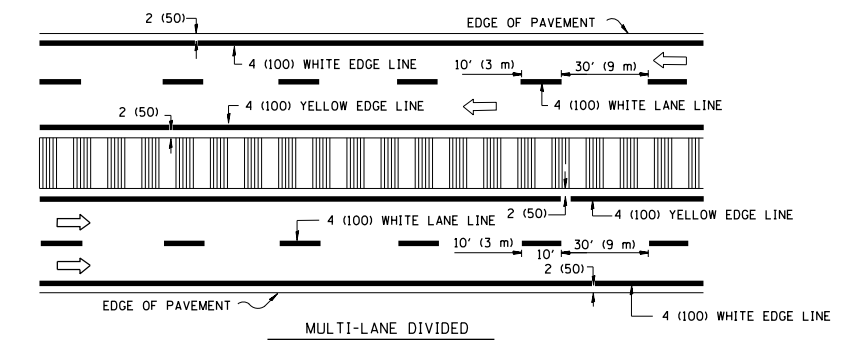
FILE NAME =	USER NAME = windot	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\windot\0172364\DistStd.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99					334	106N-1	LAKE	39	27
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 60T50				
PLOT DATE = 10/19/2012		DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



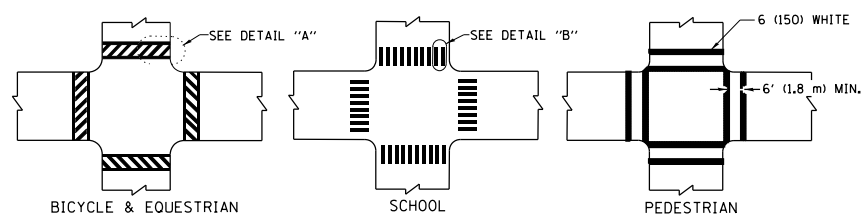
MULTI-LANE UNDIVIDED



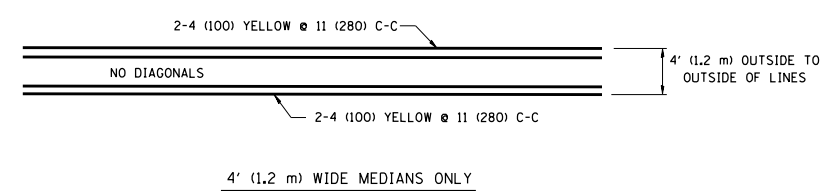
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

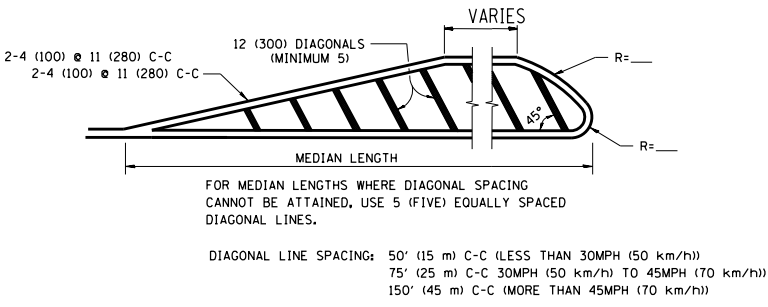
TYPICAL LANE AND EDGE LINE MARKING



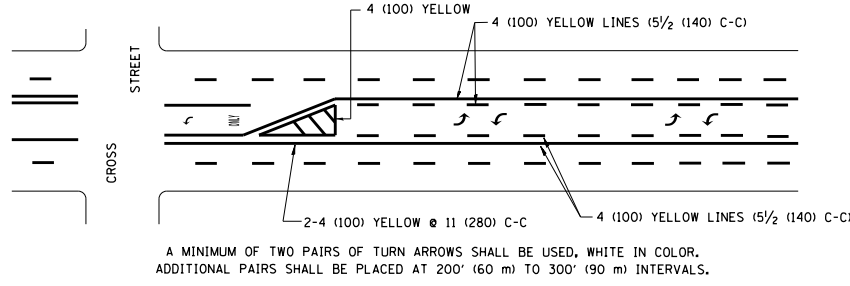
TYPICAL CROSSWALK MARKING



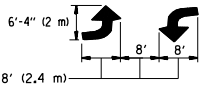
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

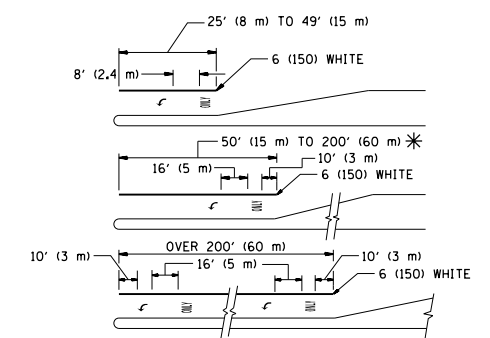


TYPICAL PAINTED MEDIAN MARKING



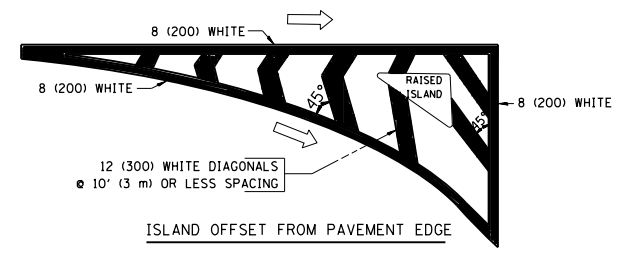
MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL LEFT (OR RIGHT) TURN LANE

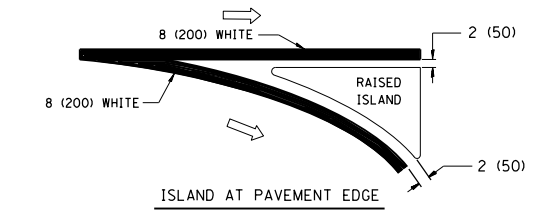


TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



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	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE. SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE. SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) MIN. LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

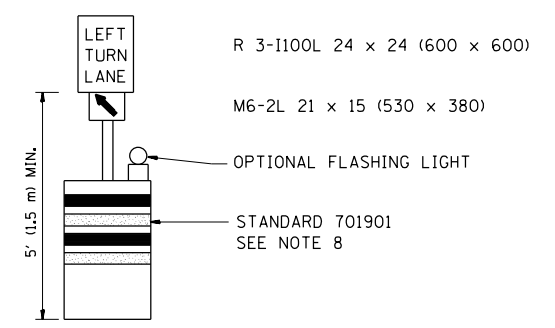
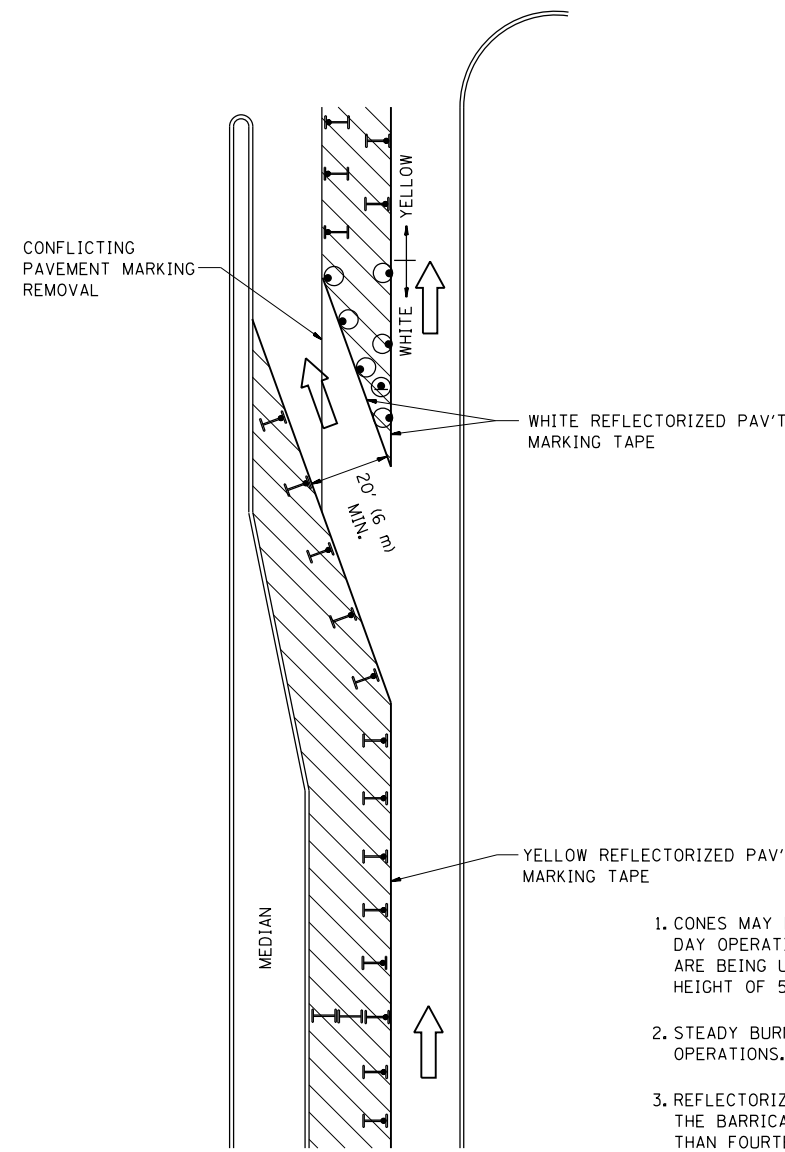
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/19/2012	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-13		CONTRACT NO. 60T50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

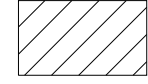







GENERAL NOTES

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

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

LEGEND

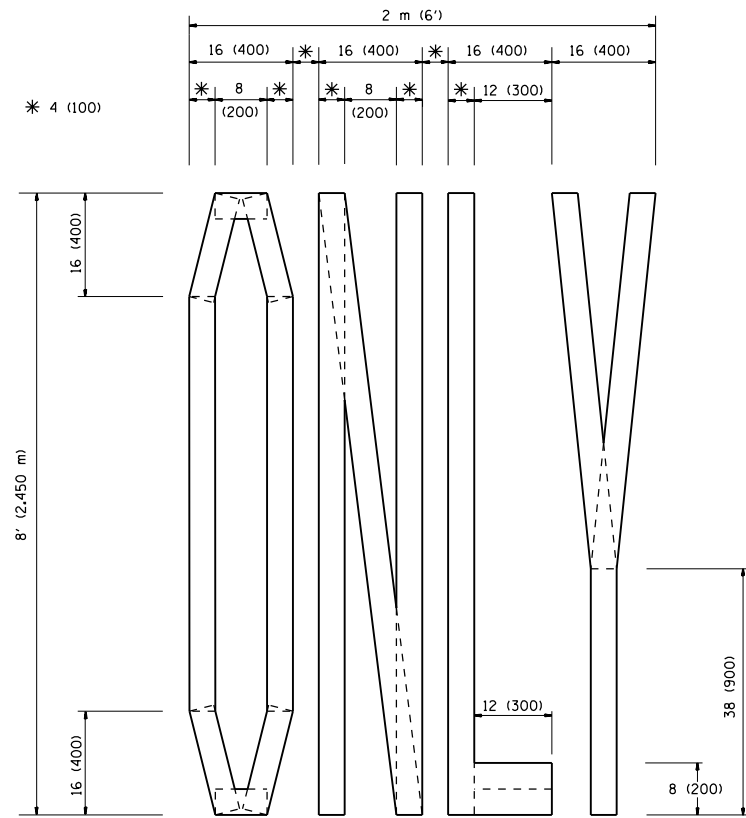
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = windet	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
et:\pw\work\windet\0172364\DistStd.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 10/19/2012	REVISED -T. RAMMACHER 01-06-00	REVISED -

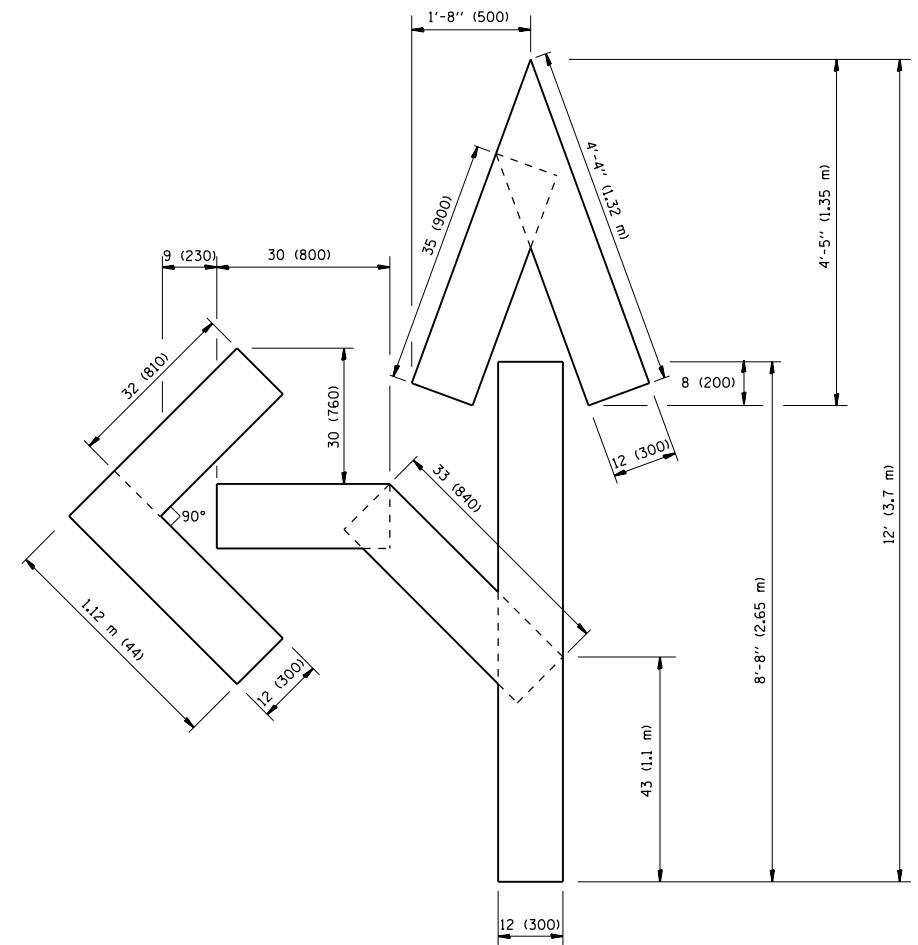
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

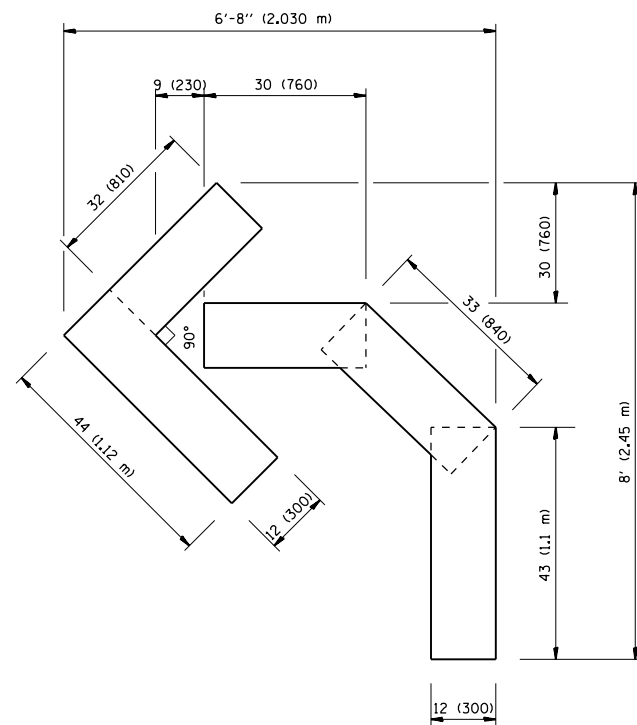
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	29
TC-14		CONTRACT NO. 60T50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

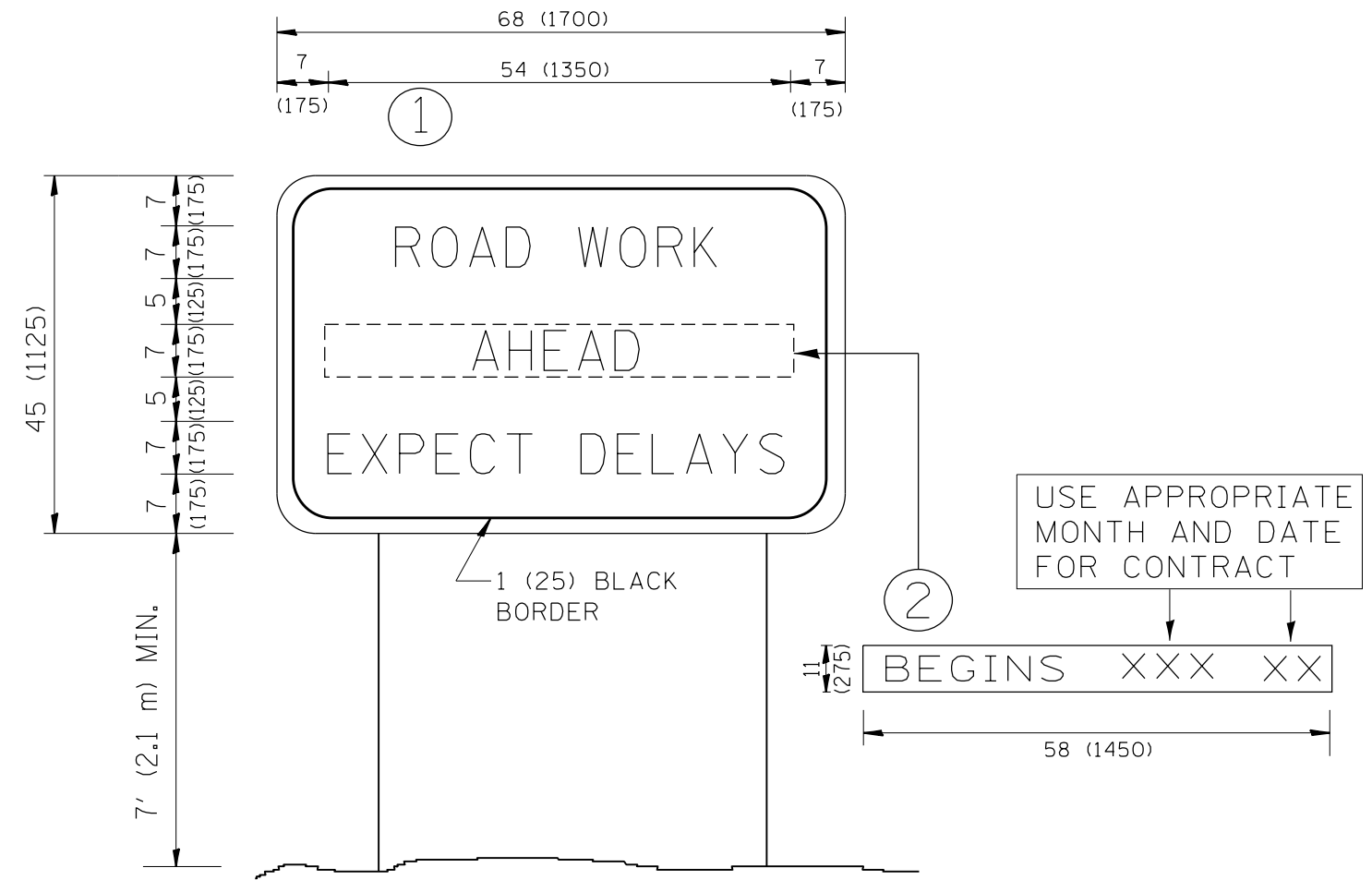
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et:\pw\work\p\dot\windet\0172364\01stStd.dgn		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 10/19/2012	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-16		CONTRACT NO. 60T50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

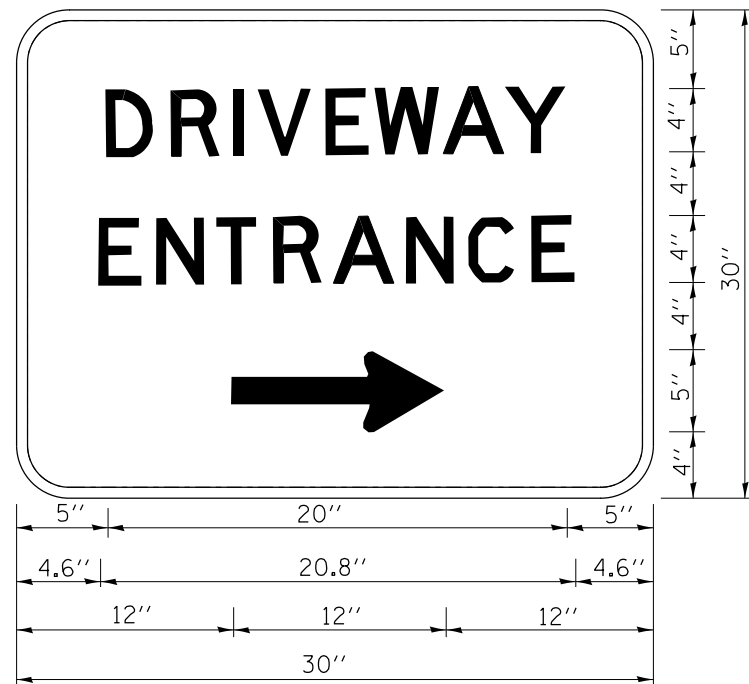


NOTES:

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.

FILE NAME =	USER NAME = windet	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw_work\windet\0172364\DistStd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	334			106N-1	LAKE	39	31		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 60T50					
PLOT DATE = 10/19/2012	DATE -	REVISED - C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = wjndot	DESIGNED -	REVISED - C. JUCIUS 02-15-07
et:\pw\work\p\dot\w\ndot\d0172364\DistStd.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/19/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

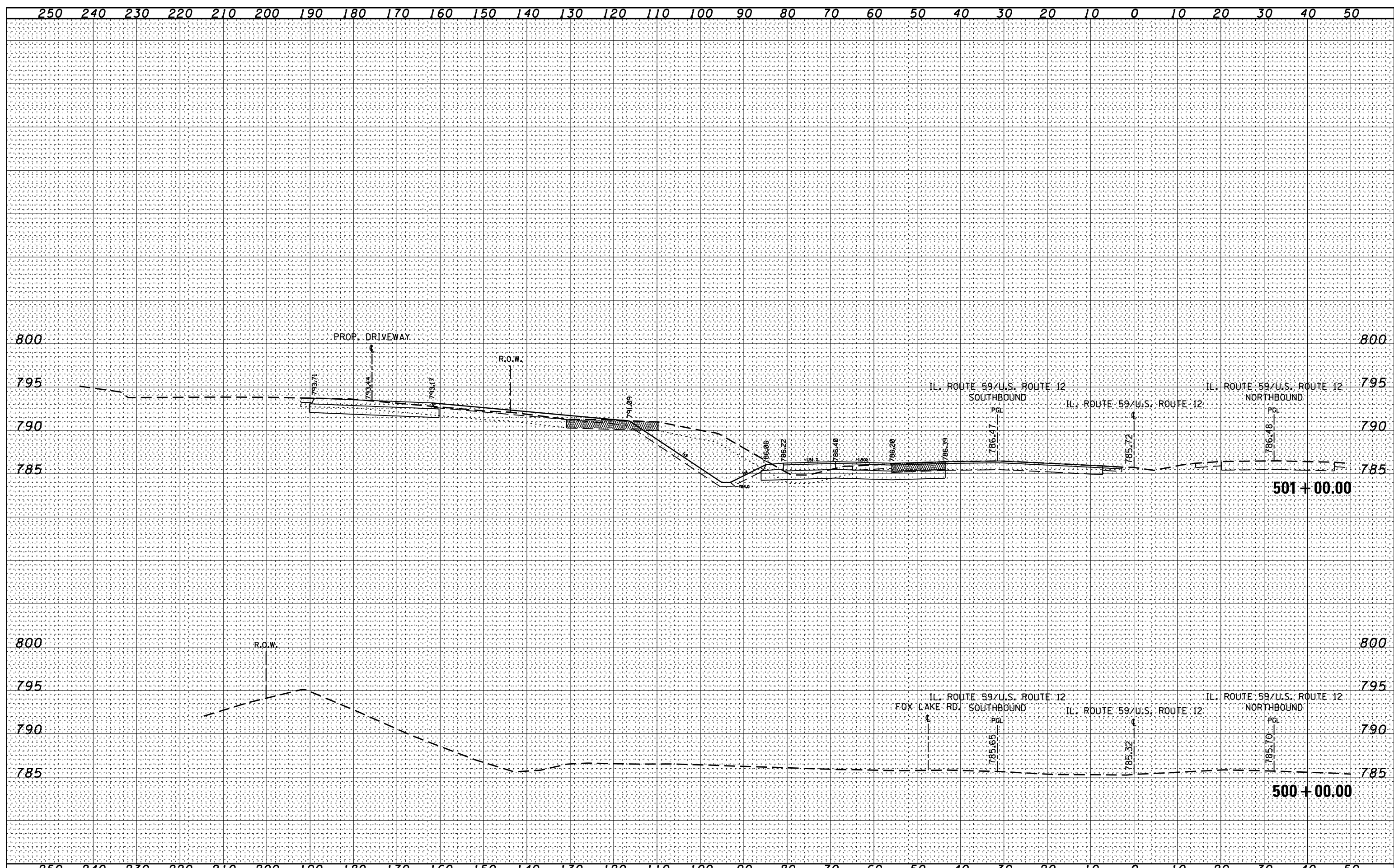
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	32
TC-26			CONTRACT NO. 60T50	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

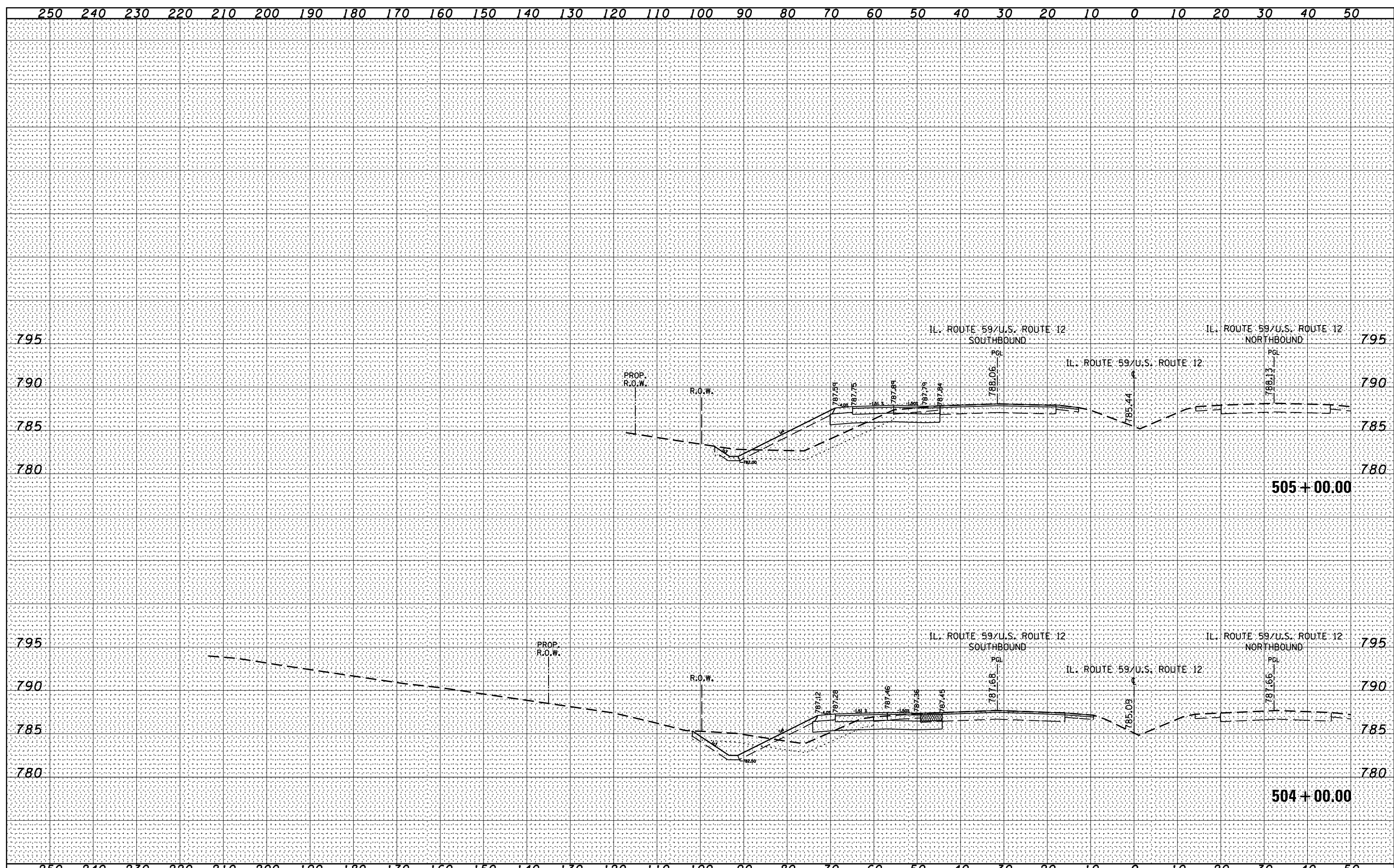
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = miduja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 12/IL. ROUTE 59			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p1dot\miduja\0172364\PI69009-sht-xssht-IL59.dgn		DRAWN -	REVISED -		334	106N-1	LAKE	39	33			
		CHECKED -	REVISED -		CONTRACT NO. 60T50							
\$MODELNAME\$		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 500+00.00	TO STA. 501+00.00	ILLINOIS FED. AID PROJECT	

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

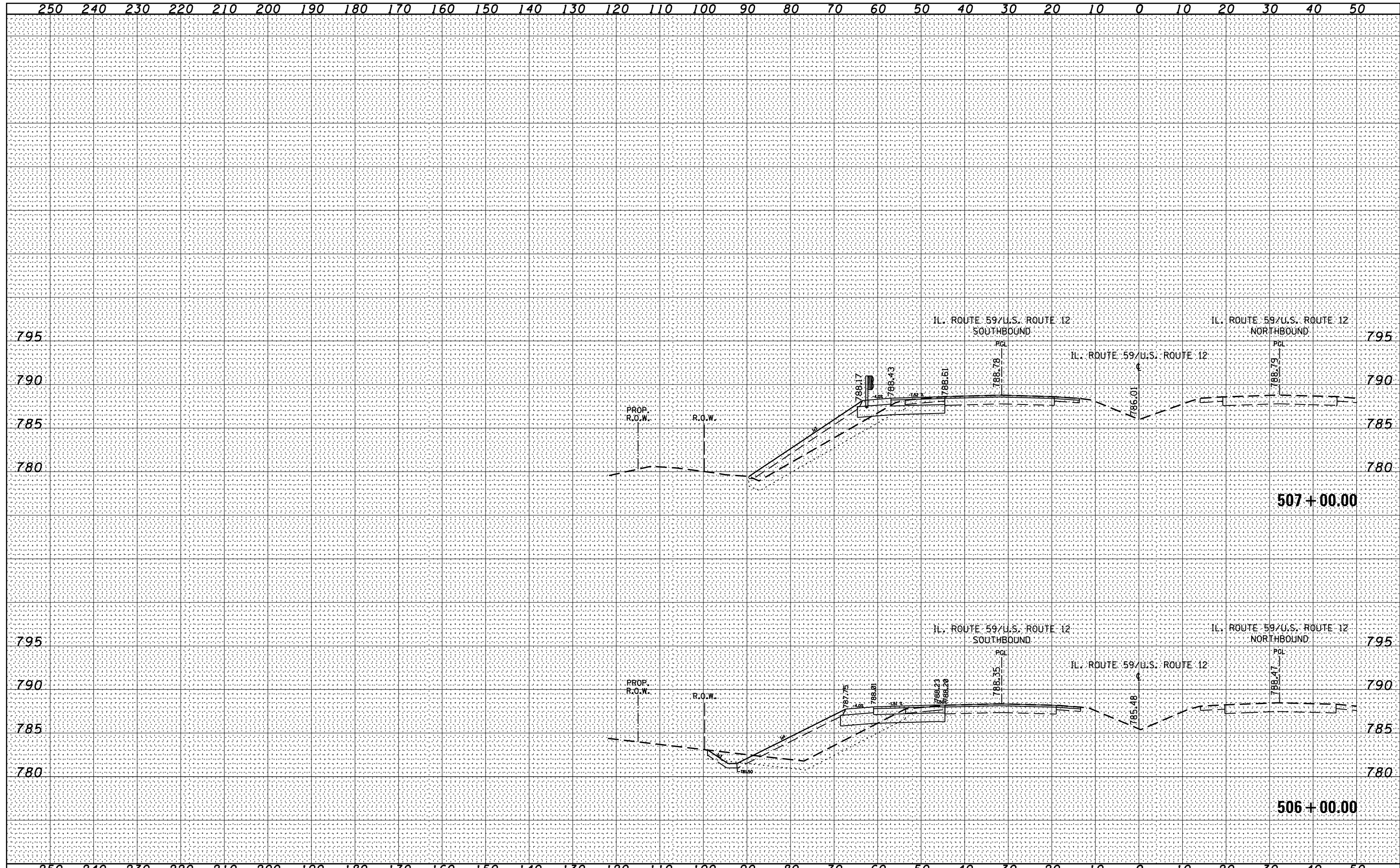
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = miduja	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 12/IL. ROUTE 59			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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\$MODELNAME\$	PLOT DATE = 10/19/2012	CHECKED -	REVISIED -		SCALE: SHEET OF SHEETS STA. 504+00.00 TO STA. 505+00.00				CONTRACT NO. 60T50 ILLINOIS FED. AID PROJECT			
		DATE -	REVISIED -									

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

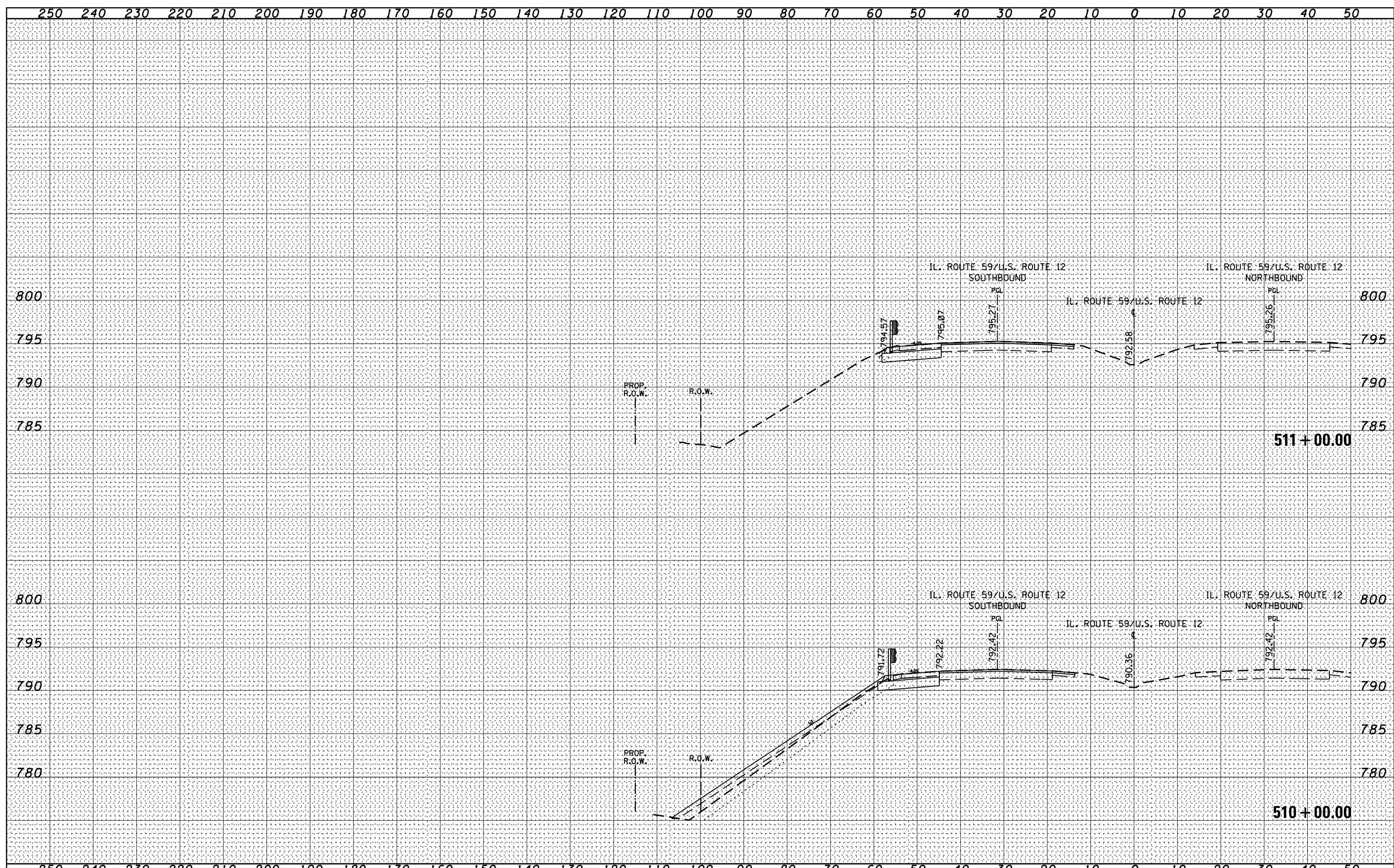
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = miduja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 12/IL. ROUTE 59			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p16dot\miduja\0172364\169009-sht-xssht-IL59.dgn		DRAWN -	REVISED -		334	106N-1	LAKE	39	36			
		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 506+00.00 TO STA. 507+00.00				CONTRACT NO. 60T50			
\$MODELNAME\$		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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

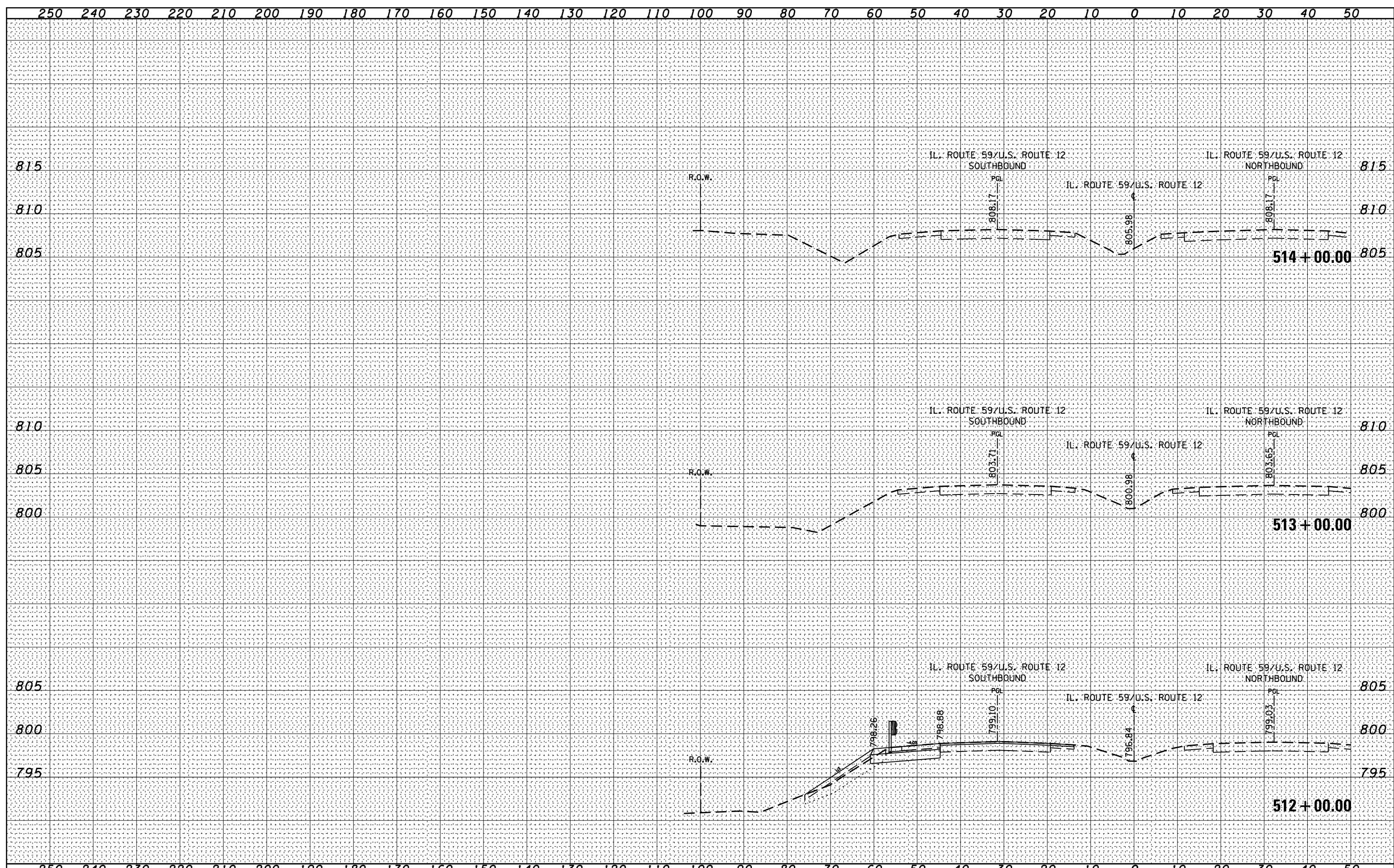
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = miduja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 12/IL. ROUTE 59			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p\midot\miduja\d0172364\PI69009-sht-xssht-IL59.dgn		DRAWN -	REVISED -		334	106N-1	LAKE	39	38			
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 60T50							
PLOT DATE = 10/19/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET	OF	SHEETS	STA. 510+00.00	TO STA. 511+00.00			

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



FILE NAME =
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USER NAME = midjje	DESIGNED -	REVISED -
PLLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLLOT DATE = 10/19/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 U.S. ROUTE 12/IL. ROUTE 59**

SCALE: SHEET OF SHEETS STA. 512+00.00 TO STA. 514+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	106N-1	LAKE	39	39
CONTRACT NO. 60T50			ILLINOIS FED. AID PROJECT	