

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	1

75+1=76

D-91-295-02

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

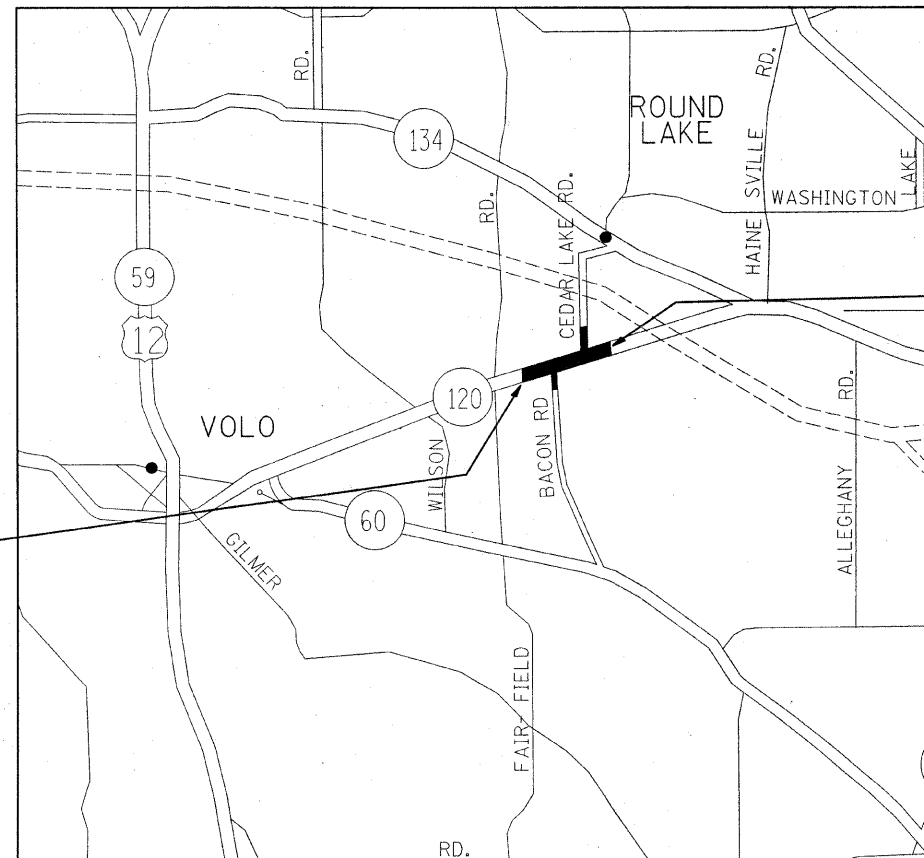
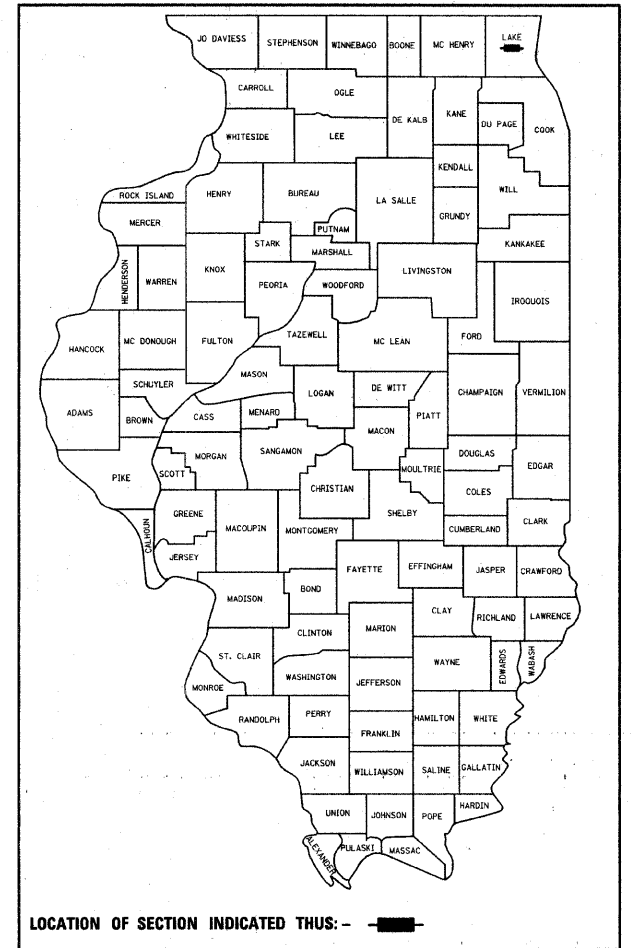
F.A.P 333:IL. ROUTE 120
AT BACON RD AND CEDAR LAKE RD.
SECTION 2002-101N
INTERSECTION RECONSTRUCTION
PROJECT: *NHF-HPP-0333 (014)*
LAKE COUNTY
C-91-295-02

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF ROUND LAKE

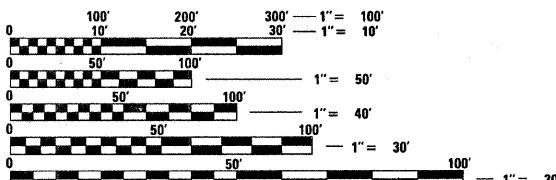
TRAFFIC DATA

- IL ROUTE 120
2006 ADT=16,400
SPEED LIMIT=55 MPH
- BACON RD.
2006 ADT=2500
SPEED LIMIT=45 MPH
- CEDAR LAKE RD.
2006 ADT=5,800
SPEED LIMIT=45 MPH



PROJECT ENDS
STATION 158 + 75

PROJECT BEGINS
STATION 123 + 96.9



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *December 18, 20 08*

Diana M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
January 30, 20 09
Charles G. Jones ENGINEER OF DESIGN / AND ENVIRONMENT

January 30, 20 09
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ROUND LAKE TOWNSHIP
GROSS & NET LENGHT = 3478 FT = 0.6587 MILE

DISTRICT ONE- DESIGN - PLAN PREPARATION ENGINEER
KEN ENG /ROBERT BORO (847) 705-4178

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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 & VILLAGE OF ROUND LAKE.

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

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

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.

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.

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 IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

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

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL 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 OR RESURFACING.

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 ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-7	TYPICAL SECTIONS
8-10	SCHEDULE OF QUANTITIES
11-12	ALIGNMENT, TIES AND BENCHMARKS
13-18	ROADWAY PLAN AND PROFILE
19-28	SUGGESTED STAGING AND TRAFFIC CONTROL PLANS
29-30	EROSION AND SEDIMENT CONTROL PLAN
31-34	EXISTING AND PROPOSED DRAINAGE PLANS
35-38	PLATS OF HIGHWAYS
39-40	PAVEMENT MARKING PLANS
41-42	LANDSCAPING PLANS
43	TEMPORARY AND PROPOSED FLASHER
44-45	PRECAST CONCRETE BOX CULVERT DETAILS
46	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB AND EDGE OF SHOULDER > 15'
47	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
48	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
49	BUTT JOINT AND HMA TAPER DETAILS
50	BENCHING DETAIL FOR EMBANKMENT WIDENKNG
51	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
52	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
52A	TRAFFIC CONTROL AND PROTECTION DETAIL
53	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
54	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
55	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
56	TEMPORARY INFORMATION SIGNING
57-75	CROSS SECTIONS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDER WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L 2W, SLOW MOVING DAY ONLY OPERATIONS, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS-DAY ONLY, FOR SPEEDS ≥ 45 MPH
701326-03	LANE CLOSURE, 2L 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701336-05	LANE CLOSURE, 2L 2W, WORK AREA IN SERIES, FOR SPEED > 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROUTE 120 AT BACON ROAD & CEDAR LAKE ROAD

INDEX OF SHEETS LIST OF STATE STANDARDS PLAN NOTES

SCALE: VERT. : NONE
HORIZ. : NONE

DATE: DRAWN BY: CHECKED BY:

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000-2A				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	207	207				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	212	212				
20200100	EARTH EXCAVATION	CU YD	8431	8431				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2281	2281				
20800150	TRENCH BACKFILL	CU YD	48	48				
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	26961	26961				
* 25000210	SEEDING, CLASS 2A	ACRE	1.3	1.3				
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	501	501				
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	501	501				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	501	501				
* 25100630	EROSION CONTROL BLANKET	SQ YD	6300	6300				
* 25200110	SODDING, SALT TOLERANT	SQ YD	20663	20663				
* 25200200	SUPPLEMENTAL WATERING	UNIT	207	207				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	650	650				
28000300	TEMPORARY DITCH CHECKS	EACH	11	11				
28000400	PERIMETER EROSION BARRIER	FOOT	9330	9330				
28100107	STONE RIPRAP, CLASS A4	SQ YD	12	12				
28200200	FILTER FABRIC	SQ YD	12	12				
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	3950	3950				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	438	438				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	565	565				
35600728	HOT-MIX ASPHALT BASE COURSE WIDENING, 13"	SQ YD	3950	3950				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	13.5	13.5				
40600300	AGGREGATE (PRIME COAT)	TON	68	68				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	4				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	76	76				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	712	712				

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000-2A				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	113	113				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1425	1425				
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	3630	3630				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	9350	9350				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1041	1041				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	20	20				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	10	10				
44201887	CLASS D PATCHES, TYPE II, 20 INCH	SQ YD	55	55				
44201891	CLASS D PATCHES, TYPE III, 20 INCH	SQ YD	15	15				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4080	4080				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	3948	3948				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2442	2442				
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6				
50105220	PIPE CULVERT REMOVAL	FOOT	143	143				
54010202	PRECAST CONCRETE BOX CULVERT 2' X 2'	FOOT	40	40				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2				
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	8	8				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4				
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4				
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	4	4				
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	30	30				
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	218	218				
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	48	48				
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	94	94				
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2				

*Specialty Items

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 333 - IL 120 (AT BACON ROAD & AT CEDAR LAKE ROAD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY I000-2A				
66400105	CHAIN LINK FENCE, 4'	FOOT	310	310				
66410300	CHAIN LINK FENCE REMOVAL	FOOT	310	310				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8				
67100100	MOBILIZATION	L SUM	1	1				
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5100	5100				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	285	285				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19026	19026				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	935	935				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	220	220				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	70	70				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	285	285				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19026	19026				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	935	935				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	220	220				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	70	70				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	220	220				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	190	190				
A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8				
* A2007916	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12				
* B2002716	TREE, MALUS ADIRONDACK (ADIRONDACK CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	8	8				

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY I000-2A				
B2005413	TREE, PRUNUS VIRGINIANA SCHUBERT (CANADA RED CHOKECHERRY), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5				
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	103	103				
X0322672	SPLIT RAIL FENCE TO BE REMOVED AND RE-ERECTED	FOOT	180	180				
X0914000	PRECAST CONCRETE BOX CULVERT END SECTIONS 2' X 2'	EACH	2	2				
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4				
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	948	948				
XX006846	AGGREGATE FIELD ENTRANCE	SQ YD	72	72				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
MP Z0014800	CULVERT TO BE CLEANED	FOOT	153	153				
⊙ Z0076600	TRAINEES	HOUR	500	500				
X0325936	SOLAR POWERED FLASHER/ POST MOUNTED (YELLOW LED DISPLAY)	EACH	1	1				
* A2005016	TREE, SYMNOCLADUS DIDICUS (KENTUCKY COFFEE TREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8				
* B2000646	TREE, AMELANCHIER X. GRANDIFLORA (APPLE SERVICEBERRY), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	5	5				
* X0325714	POST MOUNTED FLASHING BEACON, SOLAR POWERED INSTALLATION	EACH	1	1				

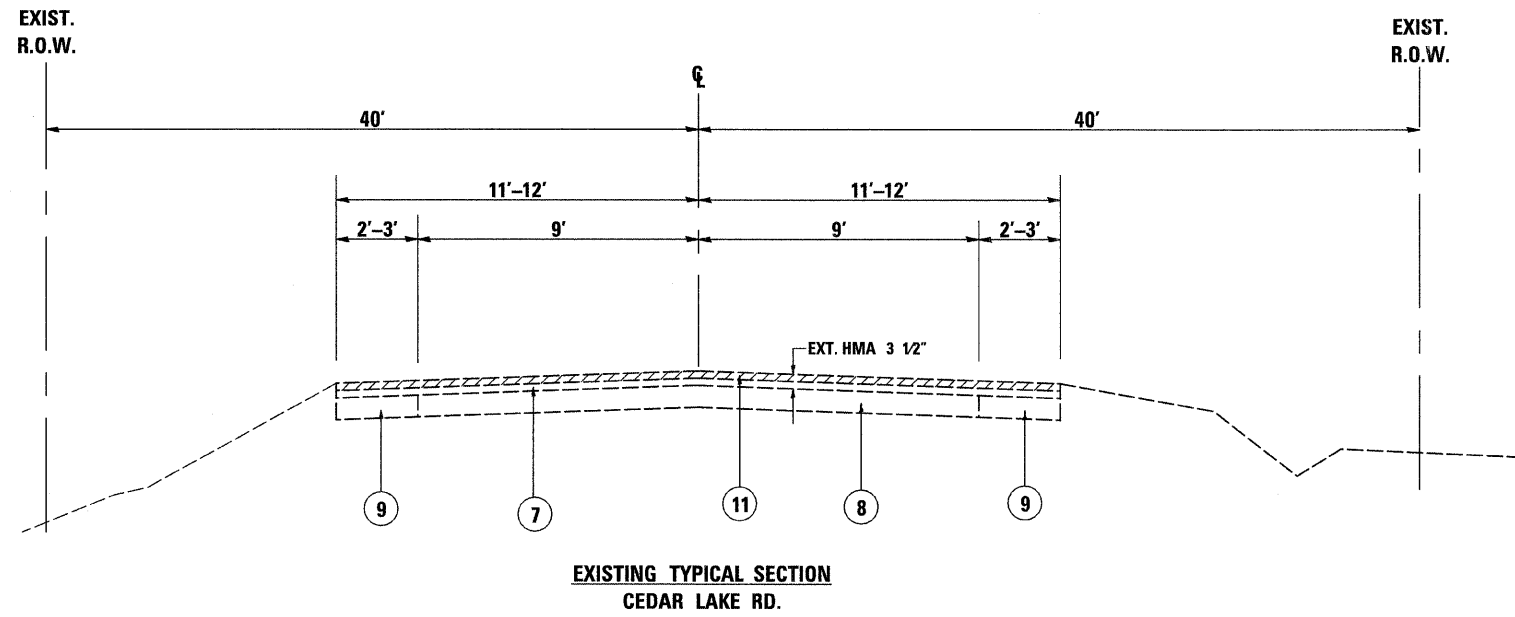
* Specialty Items
 ⊙ Y080
 NP = Non-participating

REVISIONS	
NAME	DATE

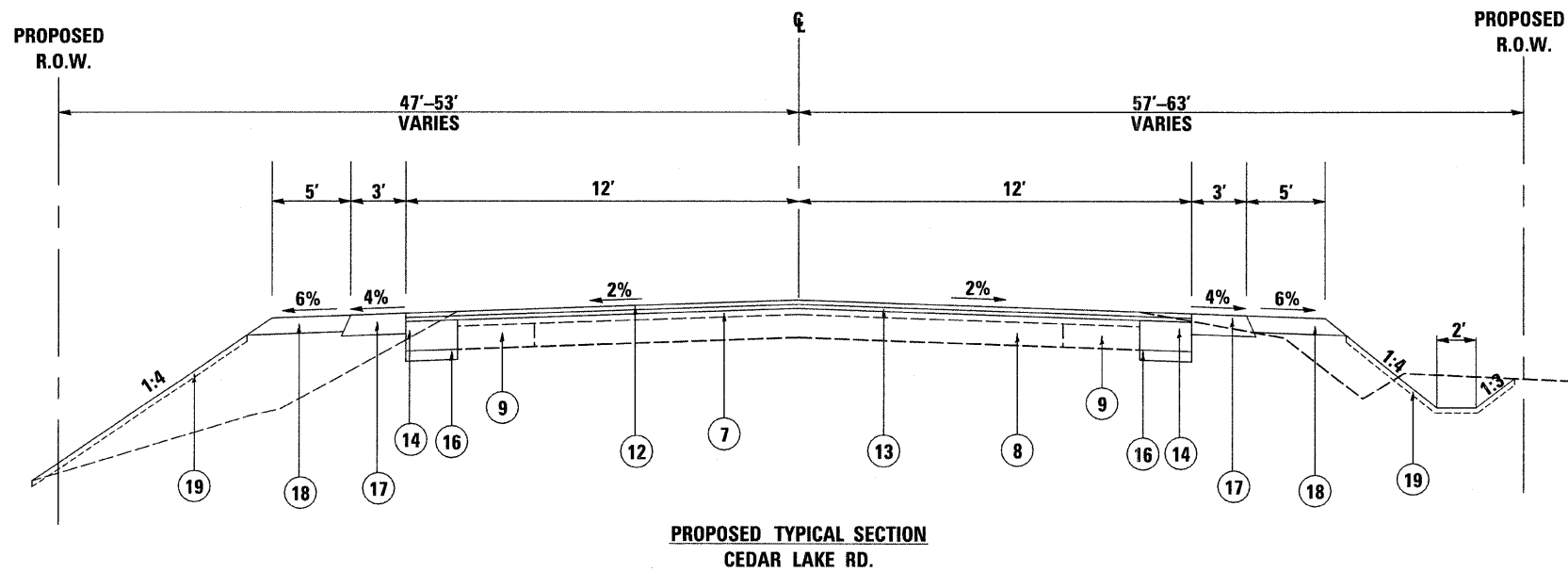
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAP 333 - IL 120 (AT BACON ROAD
 & AT CEDAR LAKE ROAD)

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- ① EXISTING AGGREGATE SHOULDER
- ② EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING (±7")
- ③ EXISTING PCC PAVEMENT (7-8-7)
- ④ EXISTING BRICK SURFACE (2 1/2")
- ⑤ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING(±5")
- ⑥ EXISTING PCC WIDENING(±12")
- ⑦ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING (±1")
- ⑧ EXISTING PCC BASE
- ⑨ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING (±8")
- ⑩ EXISTING AGGREGATE BASE
- ⑪ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"
- ⑫ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑬ PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1"
- ⑭ PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
- * ⑮ PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N70 (2 1/4" - 6")
- ⑯ PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑰ PROP. HOT-MIX ASPHALT SHOULDER, 8"
- ⑱ PROP. AGGREGATE SHOULDER, TYPE B, 6"
- ⑲ PROP. TOPSOIL
- * ⑳ PROP. STRIP REFLECTIVE CRACK CONTROL TREATMENT
- * ㉑ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 1 1/4"



NOTE: CONTRACTOR SHALL PATCH BEFORE MILLING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

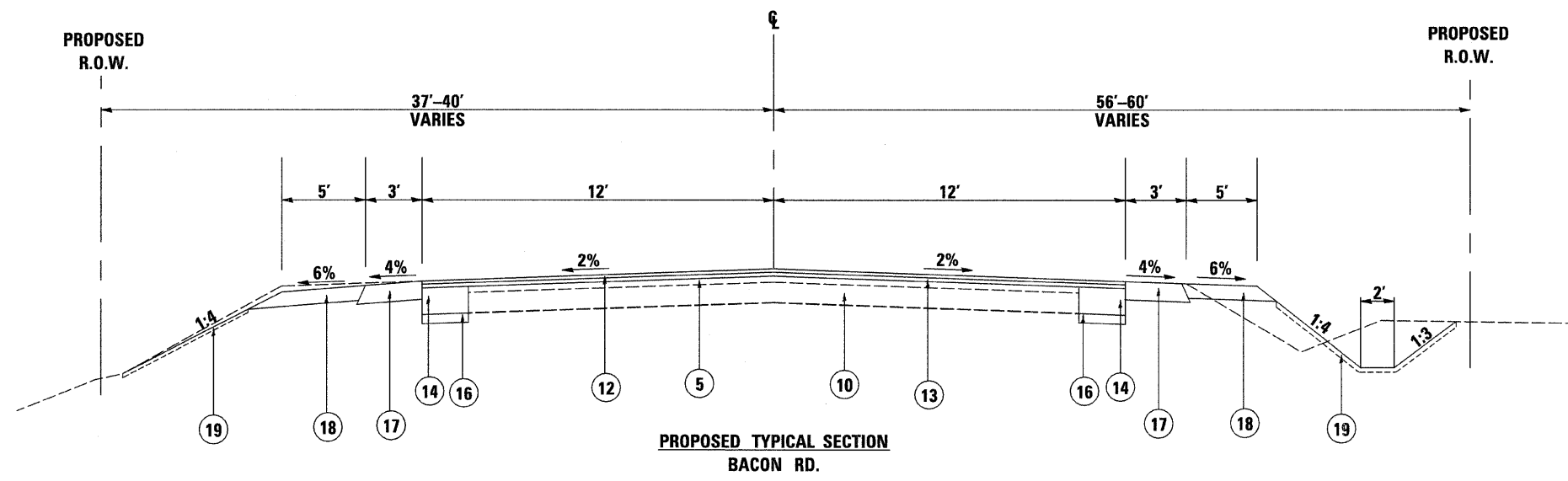
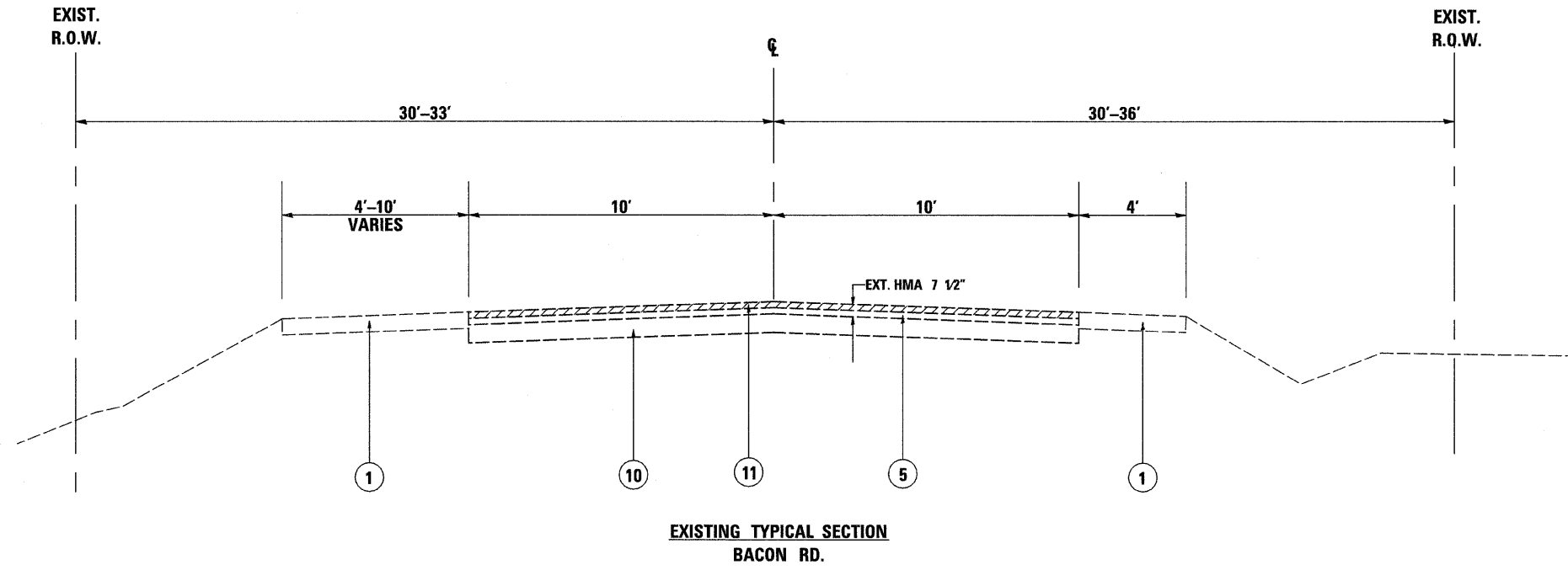
**EXISTING AND PROPOSED
TYPICAL SECTION
CEDAR LAKE RD.**

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

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USER NAME = mdj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- ① EXISTING AGGREGATE SHOULDER
- ② EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING (±7")
- ③ EXISTING PCC PAVEMENT (7-8-7)
- ④ EXISTING BRICK SURFACE (2 1/2")
- ⑤ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING (±5")
- ⑥ EXISTING PCC WIDENING (±12")
- ⑦ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING (±1")
- ⑧ EXISTING PCC BASE
- ⑨ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING (±8")
- ⑩ EXISTING AGGREGATE BASE
- ⑪ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"
- ⑫ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑬ PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1"
- ⑭ PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
- ⑮* PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N70 (2 1/4"- 6")
- ⑯ PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑰ PROP. HOT-MIX ASPHALT SHOULDER, 8"
- ⑱ PROP. AGGREGATE SHOULDER, TYPE B, 6"
- ⑲ PROP. TOPSOIL
- ⑳* PROP. STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉑* PROP. HOT-MIX ASPHALT SURFACE REMOVAL 1 1/4"

NOTE: CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

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PLOT SCALE = 1/4" = 1'-0"
USER NAME = mjd\p

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTION BACON RD.

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TREE REMOVAL SCHEDULE

STATION	OFFSET/ SIDE (FEET)	TYPE	6 TO 15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
IL RTE. 120				
128+04	34' RT	SILVER MAPLE	13	
128+04	34' RT	SILVER MAPLE	13	
128+22	35' RT	SILVER MAPLE	12	
128+22	35' RT	SILVER MAPLE	8	
128+22	35' RT	SILVER MAPLE	8	
128+47	47' RT	ELM		18
128+61	40' RT	ELM		18
128+61	40' RT	ELM		15
128+85	41' RT	ELM	7	
128+85	41' RT	ELM	6	
128+85	41' RT	ELM	6	
128+85	41' RT	ELM	6	
130+41	29' RT	RED ASH		24
138+78	48' LT	ELM	14	
139+34	49' RT	CRAB APPLE	6	
139+42	53' RT	FIR	8	
140+14	26' RT	WHITE POPLAR		49
140+26	38' RT	WHITE POPLAR		50
144+56	43' LT	ELM	10	
144+82	43' LT	ELM	12	
150+42	27' RT	ELM	15	
150+42	27' RT	ELM	15	
151+50	27' RT	ELM	15	
156+69	40' LT	NORWAY SPRUCE	14	
156+70	46' LT	NORWAY SPRUCE		20
BACON RD.				
511+40	27' RT	CEDAR	7	
511+80	26' RT	BUCKTHORN	6	
513+30	35' RT	SPRUCE	6	
CEDAR LAKE RD.				
701+60	47' RT	ELM		18
TOTALS			207	212

STATION	LENGTH (FT)
IL 120	
125+75	58
140+90	50
CEDAR LAKE ROAD	
701+15	45
TOTAL =	153

STATION	OFFSET	STONE RIPRAP (SQ. YD.)	FILTER FABRIC (SQ. YD.)
IL 120			
125+75	RT	3	3
136+89	LT	3	3
140+90	LT	3	3
CEDAR LAKE ROAD			
701+15	LT	3	3
TOTAL =		12	12

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 120 (AT BACON ROAD & CEDAR LAKE ROAD)

SCHEDULE OF QUANTITIES

SCALE: VERT. DATE: HORIZ. DRAWN BY: CHECKED BY:

PLOT DATE = 12/23/2008
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 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE

EARTHWORK LOCATION	1 EARTH EXCAVATION (CU. YD.)	2 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU. YD.)	3 REMOVAL OF UNSUITABLE OR UNSTABLE MATERIAL (CU. YD.)	4 EMBANKMENT (CU. YD.)	5 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)	6 FURNISHED EXCAVATION (CU. YD.)
IL 120						
123+96 - 158+75	8237	7002	2057	3078	3924	0
CEADR LAKE ROAD						
701+00 - 702+23	120	102	98	96	6	0
BACON ROAD						
511+00 - 513+00	274	233	126	156	77	0
TOTAL =	8631	7337	2281	3330	4007	0

NOTE:

A THICKNESS OF 6 INCHES OF TOPSOIL STRIPPING SHALL BE USED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

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

PIPE CULVERTS WITH TRENCH BACKFILL

LOCATION	OFFSET	UPSTREAM STATION	UPSTREAM INVERT (FT)	DOWNSTREAM STATION	DOWNSTREAM INVERT (FT)	PIPE DIAMETER (IN.)	LENGTH (FT)	TYPE	CLASS	FES	TRENCH BACKFILL (CU YD)
IL 120											
	40' RT	129+58	789.26	129+23	788.54	15	36	I	A	2	9.24
	40' RT	135+03	787.00	135+32	786.76	15	24	I	A	2	2.7
	40' RT	135+78.5	786.44	136+23.5	785.96	15	48	I	A	2	9.6
	-	136+89	785.70	136+89	784.00	30	86	I	A	2	5.7
	40' RT	139+54	790.55	139+99	790.11	15	45	I	A	2	11.77
	40' RT	150+46	799.40	150+24	799.10	12	30	I	A	2	2.0
BACON ROAD											
	35' RT	513+11	782.73	512+85	782.49	24	26	I	A	2	3.0
CEADR LAKE ROAD											
	-	701+15	790.11	701+15	788.80	2'X2'	14 (EXT.)	-	-	-	3.8
TOTAL =							229			14	48

CONCRETE HEADWALL REMOVAL	
STATION	OFFSET
IL 120	
136+79	LT
136+79	RT
140+90	LT
140+90	RT
CEADR LAKE ROAD	
701+15	LT
701+15	RT
TOTAL =	6 EACH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 120 (AT BACON ROAD & CEDAR LAKE ROAD)

SCHEDULE OF QUANTITIES

SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

HOT-MIX ASPHALT SHOULDERS, 8"				
STATION - STATION	OFFSET	WIDTH (FT)	AREA (SQ. YD.)	
IL 120				
123+96 - 125+00	LT, RT	3	70	
125+00 - 127+45	LT, RT	3	138	
127+45 - 140+82	LT, RT	3	866	
140+82 - 158+75	LT, RT	3	1030	
BACON ROAD				
511+00 - 513+80	LT, RT	3	203	
CEADR LAKE ROAD				
700+20 - 702+23	LT, RT	3	135	
TOTAL =			2442	

AGGREGATE SHOULDERS, TYPE B, 6"				
STATION - STATION	OFFSET	WIDTH (FT)	AREA (SQ. YD.)	
IL 120				
123+96 - 125+00	LT, RT	5	152	
125+00 - 127+45	LT, RT	5	224	
127+45 - 140+82	LT, RT	5	1294	
140+82 - 158+75	LT, RT	5	1868	
BACON ROAD				
511+00 - 513+80	LT, RT	5	297	
CEADR LAKE ROAD				
700+20 - 702+23	LT, RT	5	113	
TOTAL =			3948	

STATION - STATION	OFFSET	CHAIN LINK FENCE LENGTH (FT)	SPLIT RAIL FENCE LENGTH (FT)
IL 120			
129+10 - 132+20	RT	310	
135+60 - 137+40	RT		180
TOTAL =		310	180

PIPE CULVERT REMOVAL		
STATION	OFFSET	LENGTH (FT)
IL 120		
135+17	22' RT	32
136+89	-	45
150+32	21' LT	43
BACON ROAD		
512+92	22' RT	23
TOTAL =		143

DRIVEWAY PAVEMENT					
LOCATION	OFFSET	DRIVEWAY PAVEMENT REMOVAL (SQ. YD.)	HMA BASE COURSE, 6" (P.E.)(SQ. YD.)	HMA BASE COURSE, 8" (C.E.)(SQ. YD.)	HMA SURFACE COURSE, MIX "C", N50, 2" (TON)
IL 120					
125+51	LT	138		111	13
129+54	RT	67	54		6
130+11	LT	155		122	14
135+18	RT	119	90		10
136+00	RT			168	19
138+00	RT	235			
139+76	RT	190		164	18
150+32	LT	63	61		7
BACON ROAD					
513+00	RT	74	75		8
MAILBOX TURNOUT					
			158		18
TOTAL =		1041	438	565	113

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT			
STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ. YD.)
IL 120			
123+96	53	4.5	27
158+75	49	4.5	25
BACON ROAD			
511+00	24	4.5	12
CEADR LAKE ROAD			
702+23	24	4.5	12
TOTAL =			76

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

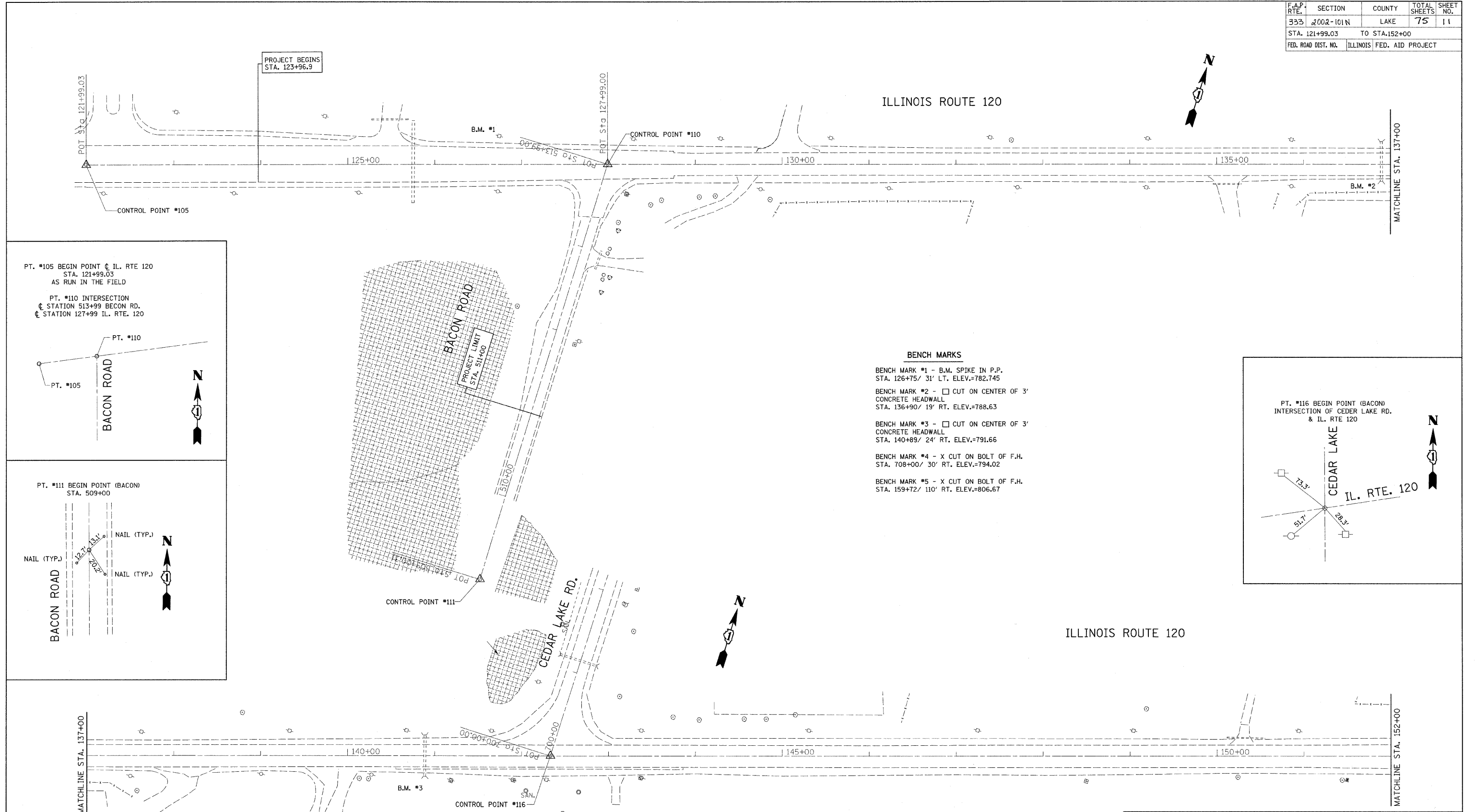
IL 120 (AT BACON ROAD & CEDAR LAKE ROAD)

SCHEDULE OF QUANTITIES

SCALE: VERT. HORIZ. DATE

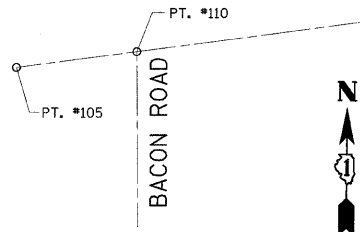
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	11
STA. 121+99.03		TO STA. 152+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

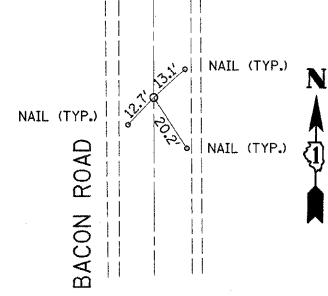


PT. #105 BEGIN POINT @ IL. RTE 120
STA. 121+99.03
AS RUN IN THE FIELD

PT. #110 INTERSECTION
@ STATION 513+99 BECON RD.
@ STATION 127+99 IL. RTE. 120



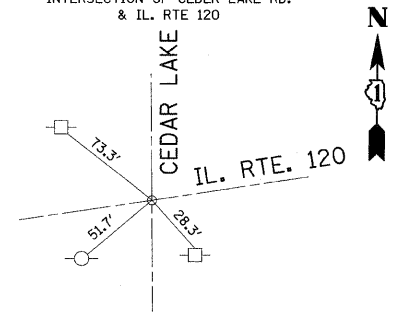
PT. #111 BEGIN POINT (BACON)
STA. 509+00



BENCH MARKS

- BENCH MARK #1 - B.M. SPIKE IN P.P.
STA. 126+75/ 31' LT. ELEV.=782.745
- BENCH MARK #2 - □ CUT ON CENTER OF 3'
CONCRETE HEADWALL
STA. 136+90/ 19' RT. ELEV.=788.63
- BENCH MARK #3 - □ CUT ON CENTER OF 3'
CONCRETE HEADWALL
STA. 140+89/ 24' RT. ELEV.=791.66
- BENCH MARK #4 - X CUT ON BOLT OF F.H.
STA. 708+00/ 30' RT. ELEV.=794.02
- BENCH MARK #5 - X CUT ON BOLT OF F.H.
STA. 159+72/ 110' RT. ELEV.=806.67

PT. #116 BEGIN POINT (BACON)
INTERSECTION OF CEDAR LAKE RD.
& IL. RTE 120



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL. RTE 120
@ CEDAR LAKE RD.
ALIGNMENT & TIES**

SCALE: VERT. 1"=50'
HORIZ. 1"=100'
DATE 12/16/2008
DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	12
STA. 152+00		TO STA. 165+30.68		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROJECT ENDS
STA. 158+75

WILDSRING LANE

MATCHLINE STA. 152+00

155+00

160+00

165+00

POT. Sta. 165+30.68
CONTROL POINT #112

B.M. #5

BENCH MARKS

- BENCH MARK #1 - B.M. SPIKE IN P.P.
STA. 126+75/ 31' LT. ELEV.=782.745
- BENCH MARK #2 - □ CUT ON CENTER OF 3'
CONCRETE HEADWALL
STA. 136+90/ 19' RT. ELEV.=788.63
- BENCH MARK #3 - □ CUT ON CENTER OF 3'
CONCRETE HEADWALL
STA. 140+89/ 24' RT. ELEV.=791.66
- BENCH MARK #4 - X CUT ON BOLT OF F.H.
STA. 708+00/ 30' RT. ELEV.=794.02
- BENCH MARK #5 - X CUT ON BOLT OF F.H.
STA. 159+72/ 110' RT. ELEV.=806.67



CEDAR LAKE RD.

PROJECT LIMIT
STA. 72+23.3

WETLAND SITE 5
(LOW QUALITY)

POT. Sta. 711+64.95

CONTROL POINT #115

CONTROL POINT #116

B.M. #4

700+00

705+00

710+00

PT. #115 END POINT (CEDAR LAKE RD.)
STA. 711+64.95

CEDAR LAKE RD.

NAIL (TYP.) 12.4'

NAIL (TYP.) 11.2'

REVISIONS	
NAME	DATE

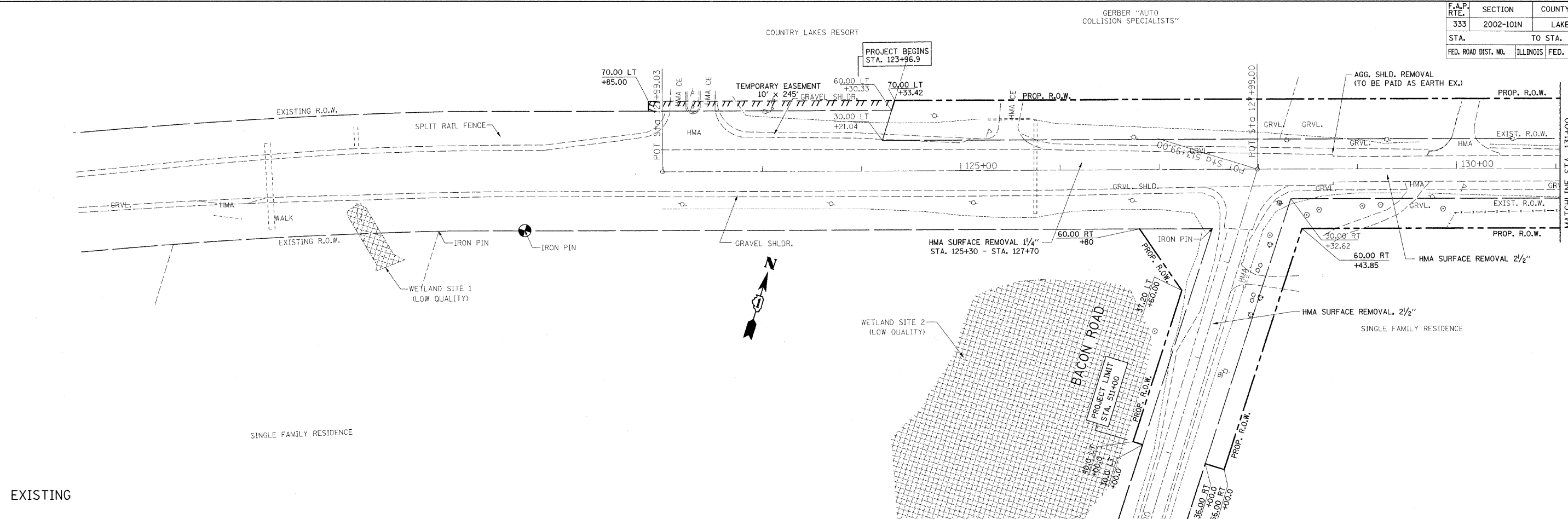
ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE 120
@ CEDAR LAKE RD.
ALIGNMENT & TIES

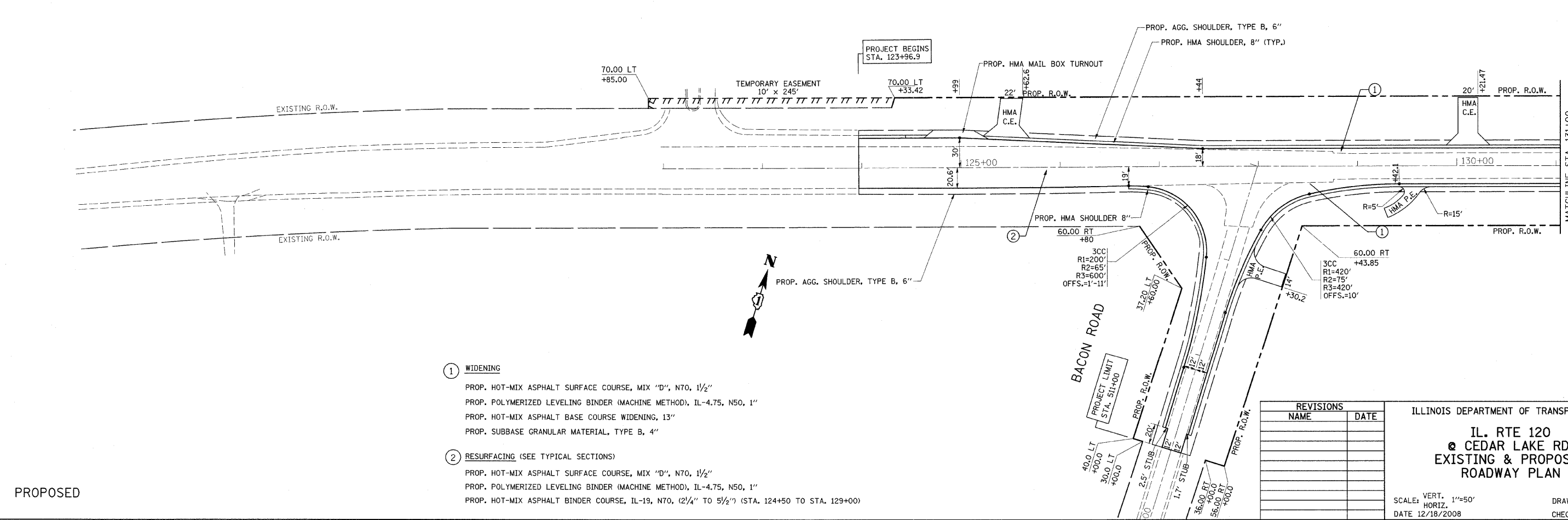
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HORIZ. 1"=50'
DATE 12/16/2008

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

- ① **WIDENING**
 PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
 PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ② **RESURFACING (SEE TYPICAL SECTIONS)**
 PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, (2 1/4" TO 5 1/2") (STA. 124+50 TO STA. 129+00)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

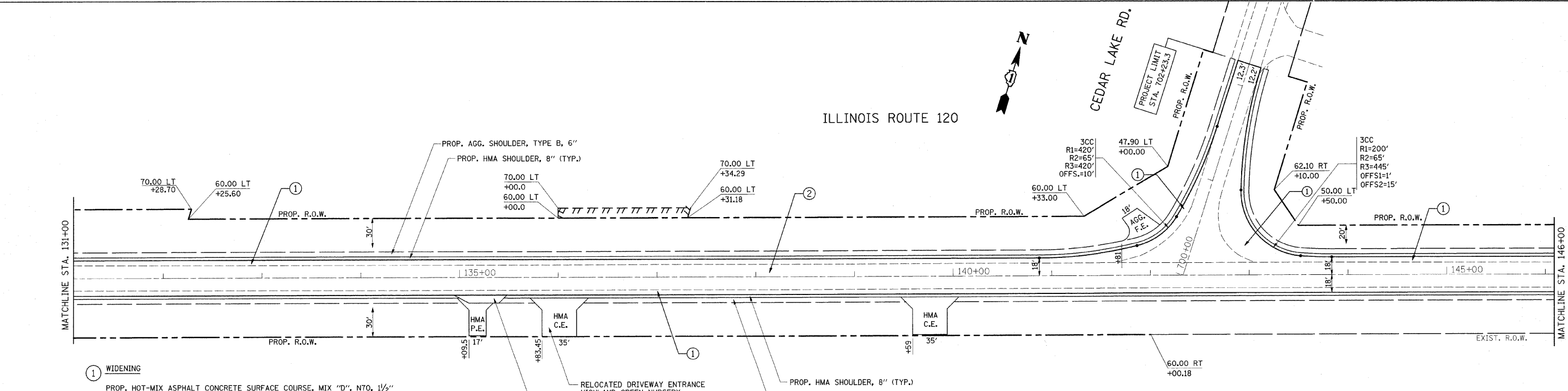
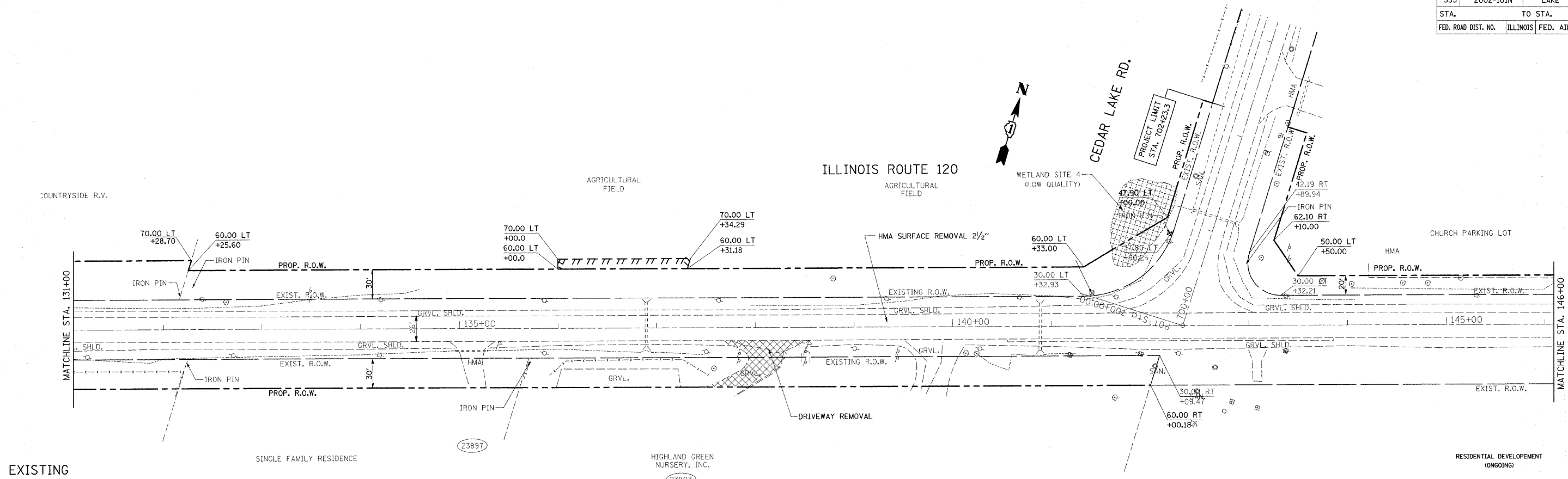
**IL. RTE 120
@ CEDAR LAKE RD.
EXISTING & PROPOSED
ROADWAY PLAN**

SCALE: VERT. 1"=50'
HORIZ. DATE 12/18/2008

DRAWN BY
CHECKED BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- ① WIDENING
 - PROP. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 - PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
 - PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ② RESURFACING (SEE TYPICAL SECTIONS)
 - PROP. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 - PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

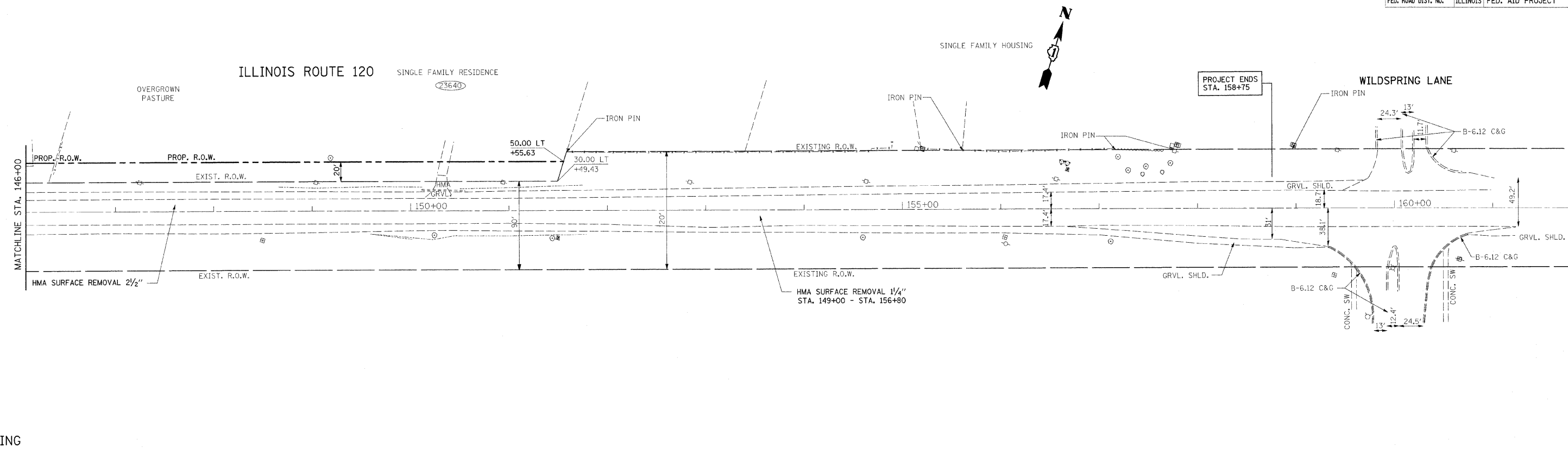
**IL. RTE 120
@ CEDAR LAKE RD.
EXISTING & PROPOSED
ROADWAY PLAN**

SCALE: VERT. 1"=50'
HORIZ. DATE 12/17/2008

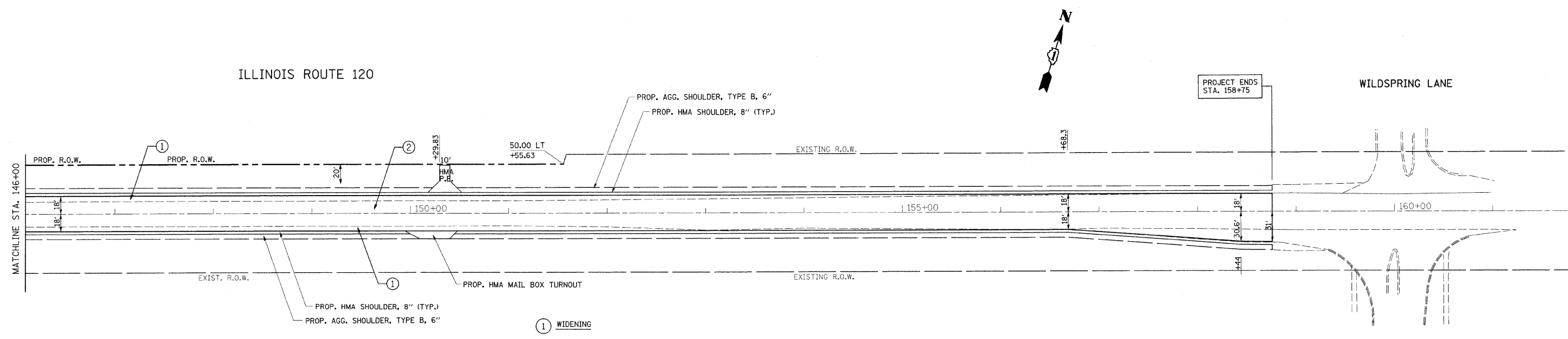
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

- ① WIDENING
 - PROP. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 - PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
 - PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ② RESURFACING (SEE TYPICAL SECTIONS)
 - PROP. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 - PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, (2 1/4" TO 5 1/2") (STA. 149+50 TO STA. 155+00)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

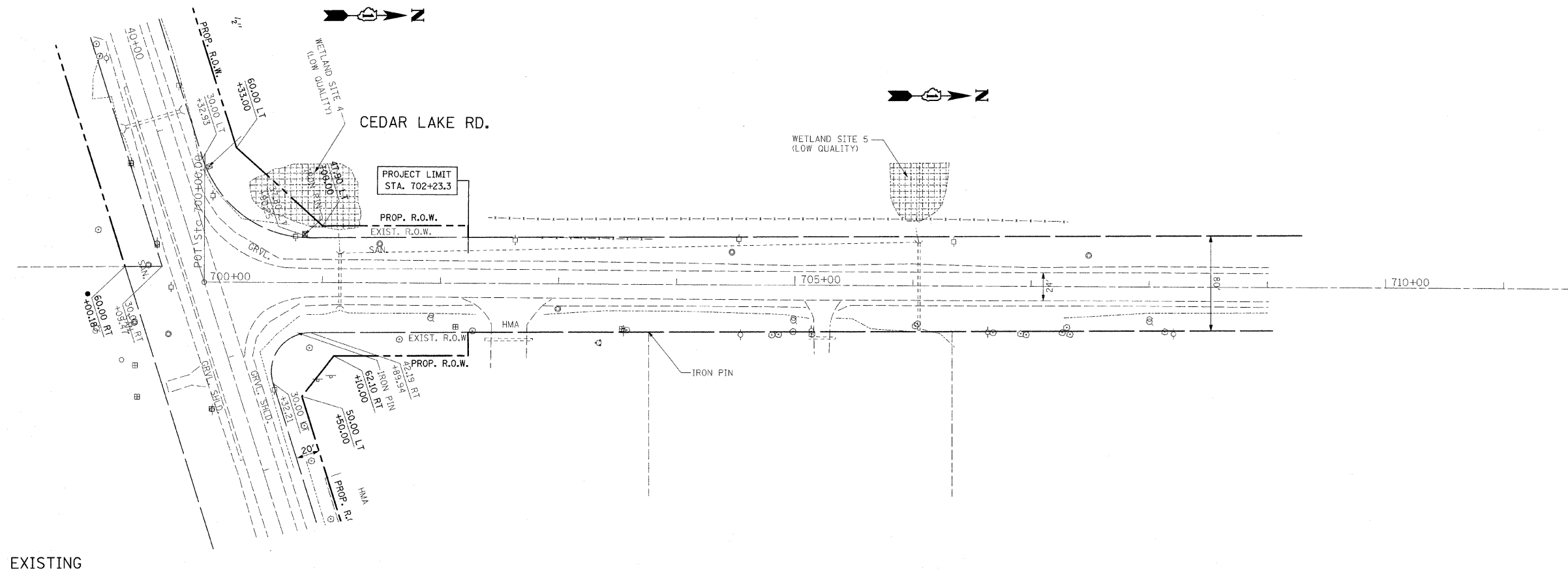
**IL. RTE 120
@ CEDAR LAKE RD.
EXISTING & PROPOSED
ROADWAY PLAN**

SCALE: VERT. 1"=50'
HORIZ. DATE 12/18/2008

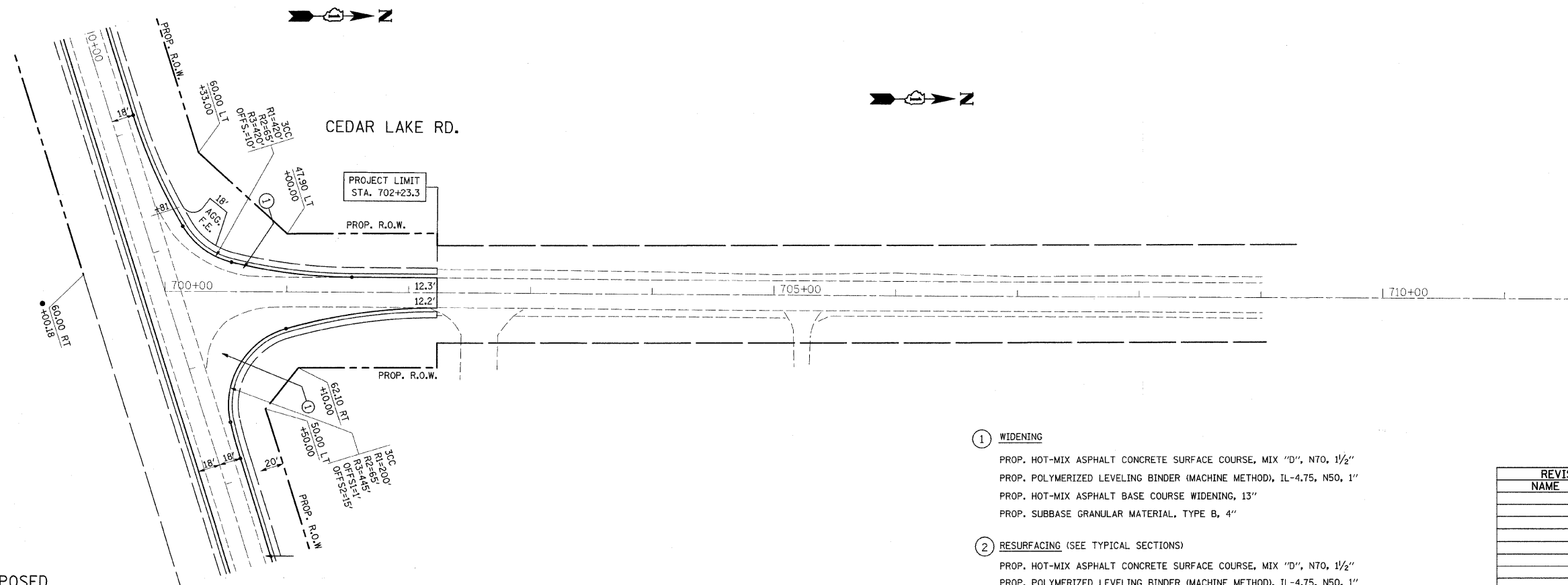
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USER NAME = jtrichard

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

- ① WIDENING
 PROP. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
 PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ② RESURFACING (SEE TYPICAL SECTIONS)
 PROP. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"

REVISIONS	
NAME	DATE

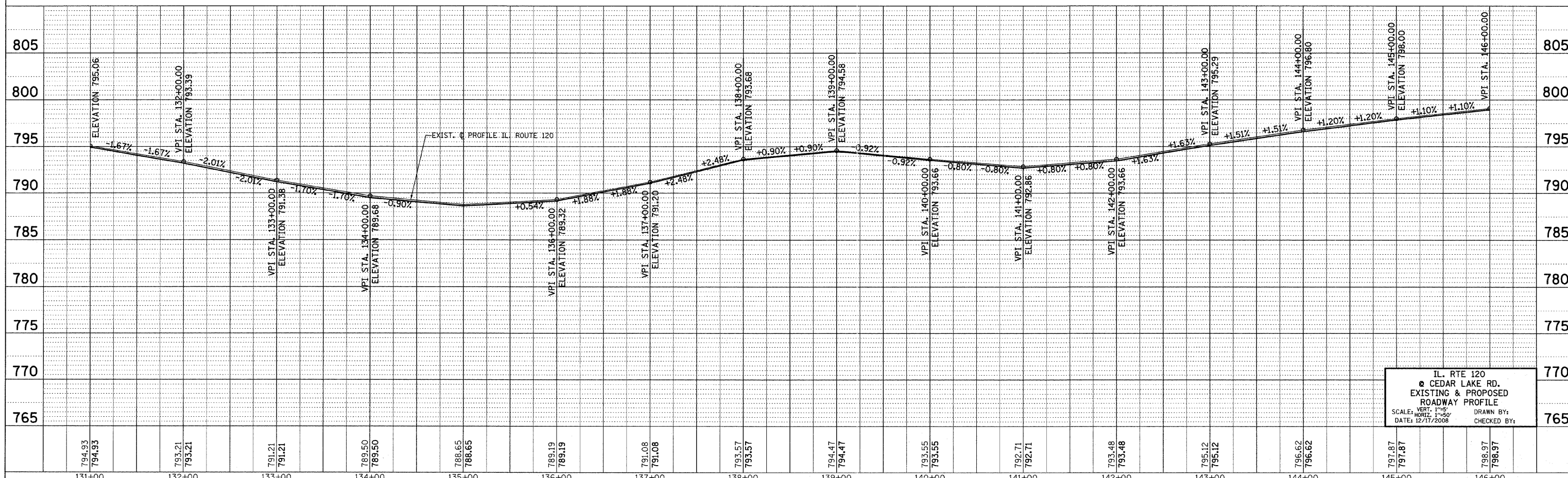
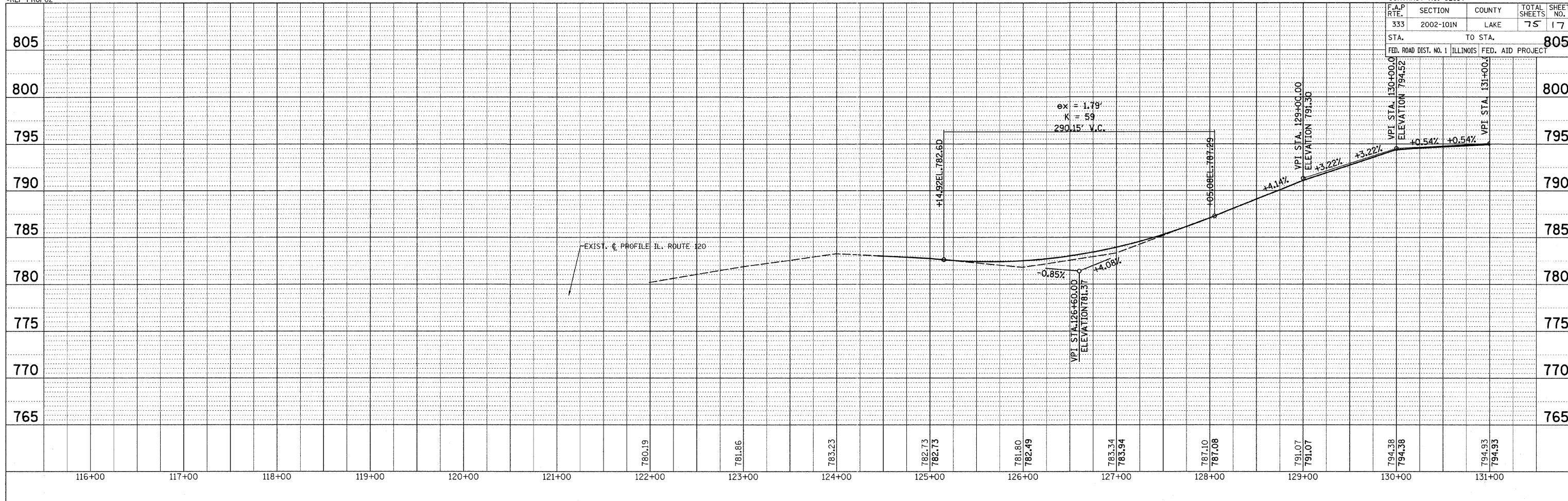
ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL. RTE 120
 @ CEDAR LAKE RD.
 EXISTING & PROPOSED
 ROADWAY PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 12/17/2008

DRAWN BY
 CHECKED BY

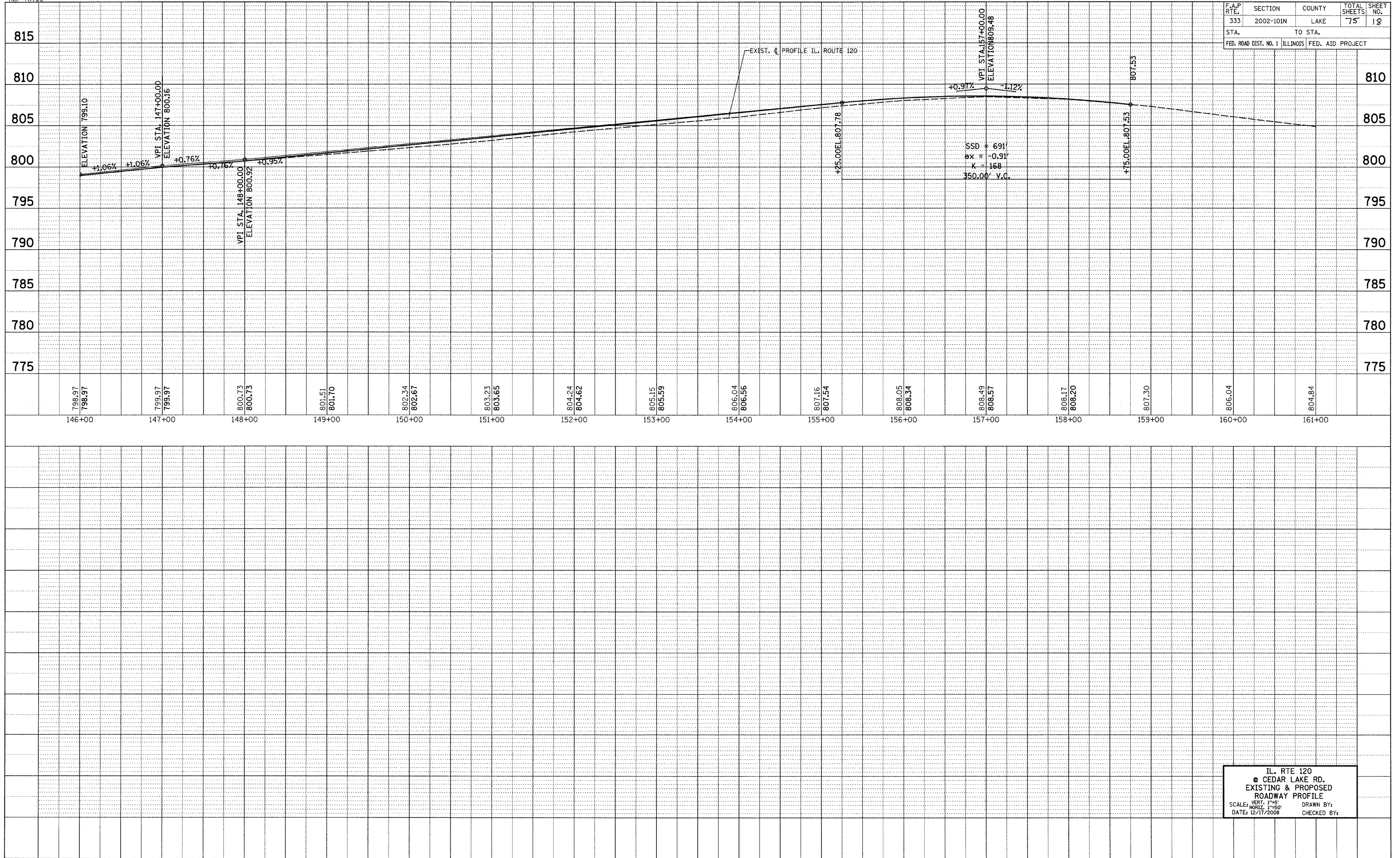
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REF-PROF02

CONTRACT NO. 62514				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	17
STA. 333		TO STA. 805		805
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



IL. RTE 120
@ CEDAR LAKE RD.
EXISTING & PROPOSED
ROADWAY PROFILE
SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE: 12/17/2008
DRAWN BY:
CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



IL. RTE 120
 @ CEDAR LAKE RD.
 EXISTING & PROPOSED
 ROADWAY PROFILE
 SCALE: VERT. 1"=5'
 HORIZ. 1"=50'
 DATE: 12/17/2008
 DRAWN BY:
 CHECKED BY:

ILLINOIS ROUTE 120 MAINLINE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

OPTION 1

PRE-STAGE

INSTALL ALL CULVERT EXTENSIONS ON THE NORTH SIDE OF IL 120 AND ON CEDAR LAKE RD.
 INSTALL ALL CULVERT EXTENSIONS ON THE SOUTH SIDE OF IL 120.
 INSTALL 30" RCP CULVERT AT STA 136+89

STAGE 1

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 1 CONSTRUCTION

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.
 MAINTAIN TRAFFIC AT INTERSECTION CONSTRUCTION IN ACCORDANCE WITH IDOT STANDARD 701326.
 MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS" (EACH)

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON NORTH SIDE OF ROAD.
 1) CONSTRUCT PROPOSED HOT-MIX ASPHALT WIDENING AND ADD LEVELING BINDER COURSE ON WIDENING ON NORTH SIDE.
 2) CONSTRUCT PROPOSED HOT-MIX ASPHALT AND AGGREGATE SHOULDERS.
 3) RECONSTRUCT DRIVEWAYS AND ENTRANCES.

STAGE 2

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 2 CONSTRUCTION.

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.
 MAINTAIN TRAFFIC AT INTERSECTION CONSTRUCTION IN ACCORDANCE WITH IDOT STANDARD 701326.
 MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS" (EACH)

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON SOUTH SIDE OF ROAD.
 1) CONSTRUCT PROPOSED HOT-MIX ASPHALT WIDENING AND ADD LEVELING BINDER COURSE ON WIDENING ON SOUTH SIDE.
 2) CONSTRUCT PROPOSED HOT-MIX ASPHALT AND AGGREGATE SHOULDERS.
 3) RECONSTRUCT DRIVEWAYS AND ENTRANCES.

STAGE 3

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 3 CONSTRUCTION

MAINTENANCE OF TRAFFIC/CONSTRUCTION

1) MILL EXISTING LANES IN ACCORDANCE WITH IDOT STANDARD 701306.
 2) PLACE BINDER COURSE LAYERS TO RAISE ROADWAY PROFILE AS SHOWN ON PLANS, LEAVING ENOUGH SPACE FOR SURFACE COURSES.
 3) PLACE BINDER COURSE AND SURFACE COURSE ON ALL AREAS BY USING DAYTIME LANE CLOSURES.
 4) PLACE PERMANENT PAVEMENT MARKING IN ACCORDANCE WITH IDOT STANDARD 701311.

BACON ROAD

TO BE CONSTRUCTED DURING STAGE 2 OF ILLINOIS ROUTE 120.

STAGE A

TRAFFIC MAINTAINED ON EXISTING PAVEMENT

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.
 MAINTAIN DRIVEWAY AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS (EACH)."

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON EAST SIDE OF ROAD.
 1) CONSTRUCT PROPOSED HOT-MIX ASPHALT WIDENING AND ADD LEVELING BINDER COURSE ON WIDENING ON EAST SIDE.
 2) CONSTRUCT PROPOSED HOT-MIX ASPHALT AND AGGREGATE SHOULDERS.
 3) RECONSTRUCT DRIVEWAY.

OPTION 2

- 1) MILL, PATCH AND PLACE BINDER OR LEVELING BINDER WITHIN SURFACE OF EXISTING ROADWAY
- 2) CONSTRUCT PROPOSED WIDENING, SHOULDERS DRIVEWAYS AND DITCHES ON NORTH SIDE OF IL 120
- 3) CONSTRUCT PROPOSED WIDENING, SHOULDERS DRIVEWAYS AND DITCHES ON SOUTH SIDE OF IL 120
- 4) PLACE HMA SURFACE COURSE ON EXISTING ROADWAY AND PROPOSED WIDENING

STAGE B

TRAFFIC MAINTAINED ON EXISTING PAVEMENT AND WIDEN PAVEMENT.

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON WEST SIDE OF ROAD.
 1) CONSTRUCT PROPOSED HOT-MIX ASPHALT WIDENING AND ADD LEVELING BINDER COURSE ON WIDENING ON WEST SIDE.
 2) CONSTRUCT PROPOSED HOT-MIX ASPHALT AND AGGREGATE SHOULDERS.

STAGE C

TRAFFIC MAINTAINED ON EXISTING AND WIDEN PAVEMENT.

MAINTENANCE OF TRAFFIC/CONSTRUCTION

1) MILL EXISTING LANES IN ACCORDANCE WITH IDOT STANDARD 701306.
 2) PLACE BINDER COURSE ON MILLED SURFACE, PLACE SURFACE COURSE ON ALL AREAS BY USING DAYTIME LANE CLOSURES.
 3) PLACE PERMANENT PAVEMENT MARKING IN ACCORDANCE WITH IDOT STANDARD 701311.

CEDAR LAKE ROAD

TO BE CONSTRUCTED DURING STAGE 1 OF ILLINOIS ROUTE 120.

STAGE A

TRAFFIC MAINTAINED ON EXISTING PAVEMENT PAVEMENT.

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.
 MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS" (EACH)

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON EAST SIDE OF ROAD.
 1) CONSTRUCT PROPOSED HOT-MIX ASPHALT WIDENING AND ADD LEVELING BINDER COURSE ON WIDENING ON EAST SIDE.
 2) CONSTRUCT PROPOSED HOT-MIX ASPHALT AND AGGREGATE SHOULDERS.
 3) RECONSTRUCT DRIVEWAYS AND ENTRANCES.

STAGE B

TRAFFIC MAINTAINED ON EXISTING PAVEMENT.

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326.

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON WEST SIDE OF ROAD.
 1) REMOVE TEMPORARY PAVEMENT.
 2) CONSTRUCT PROPOSED HOT-MIX ASPHALT WIDENING AND ADD LEVELING BINDER COURSE ON WIDENING ON WEST SIDE.
 3) CONSTRUCT PROPOSED HOT-MIX ASPHALT AND AGGREGATE SHOULDERS.

STAGE C

TRAFFIC MAINTAINED ON EXISTING AND WIDEN PAVEMENT.

MAINTENANCE OF TRAFFIC/CONSTRUCTION

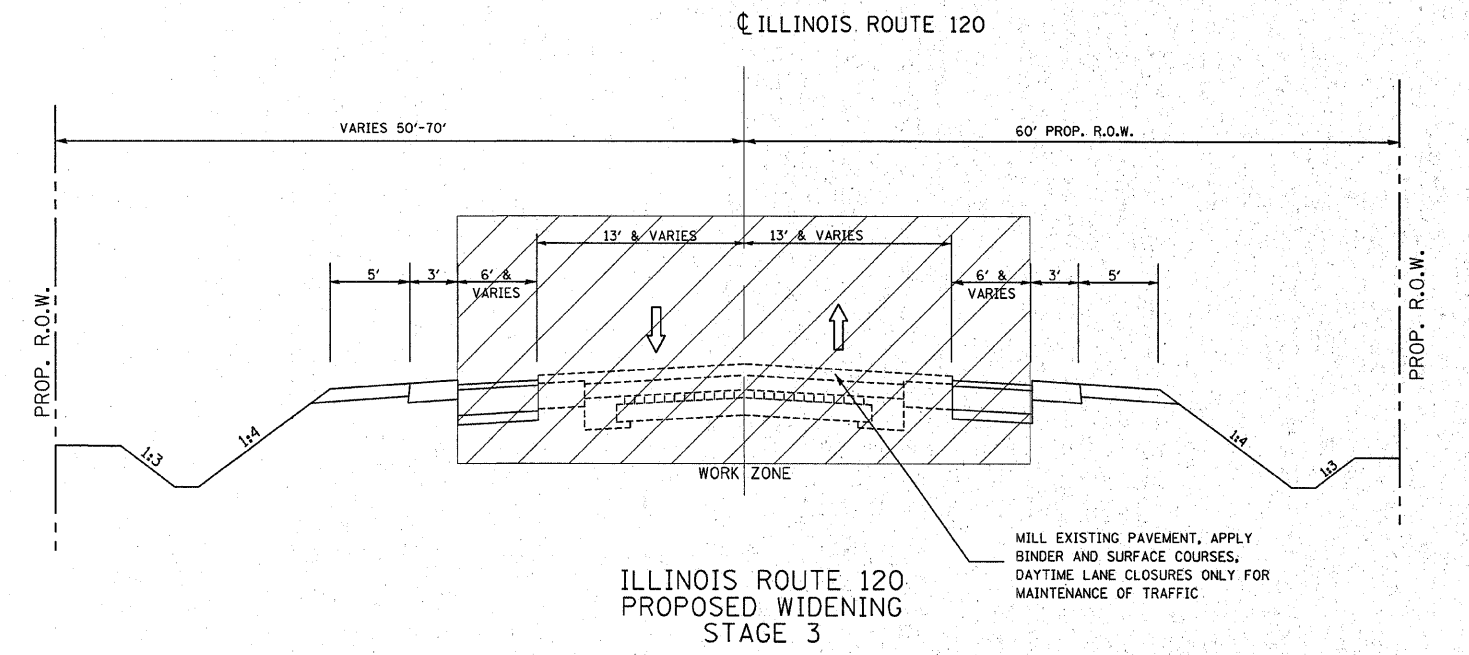
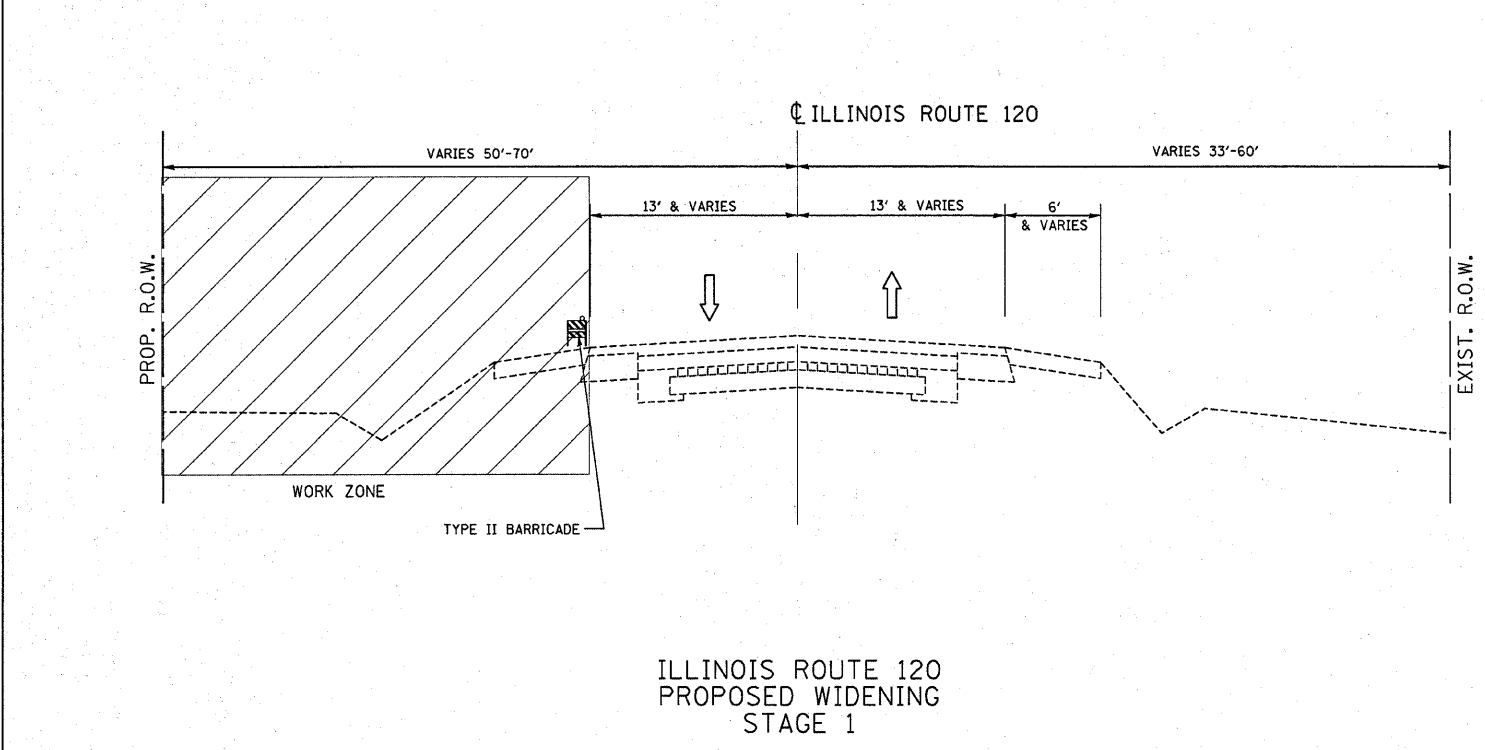
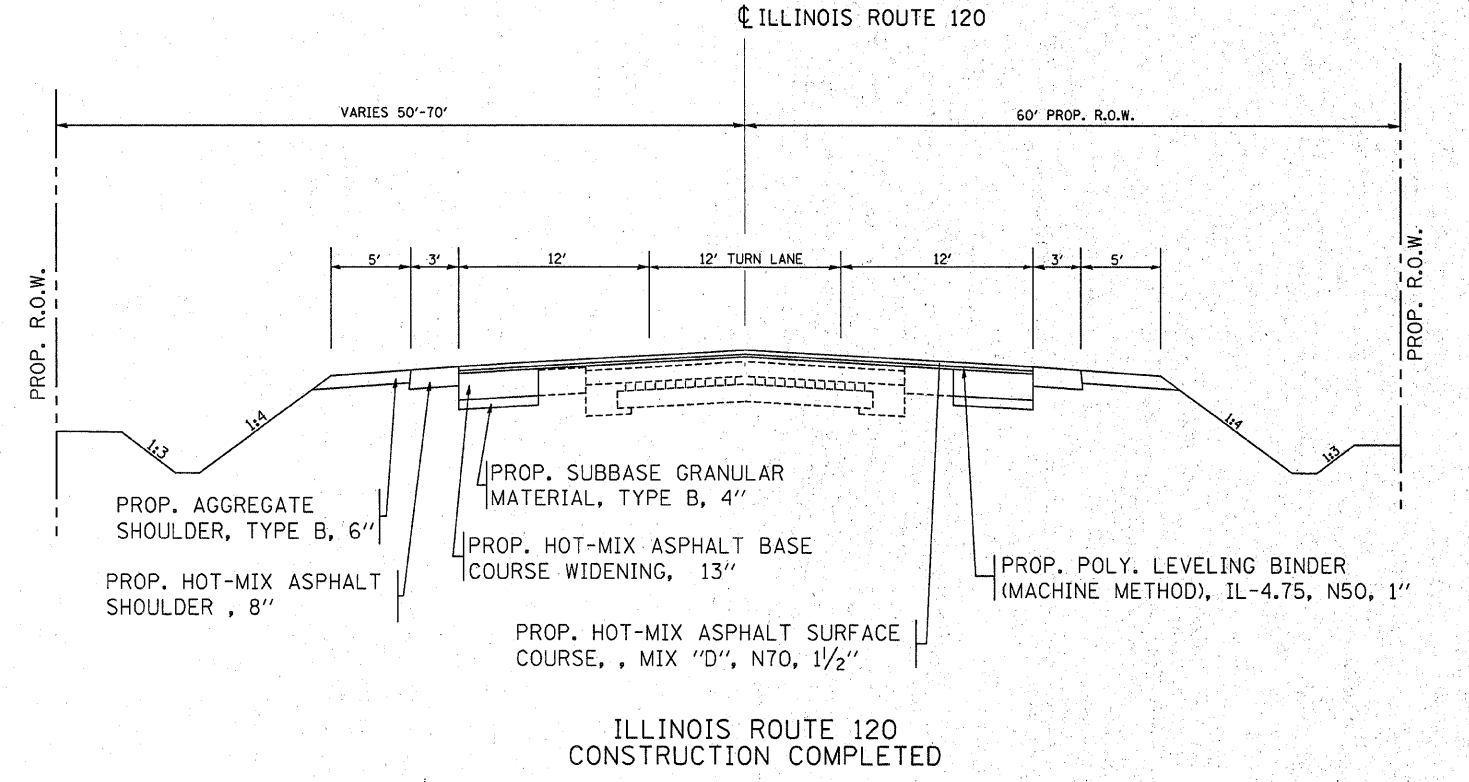
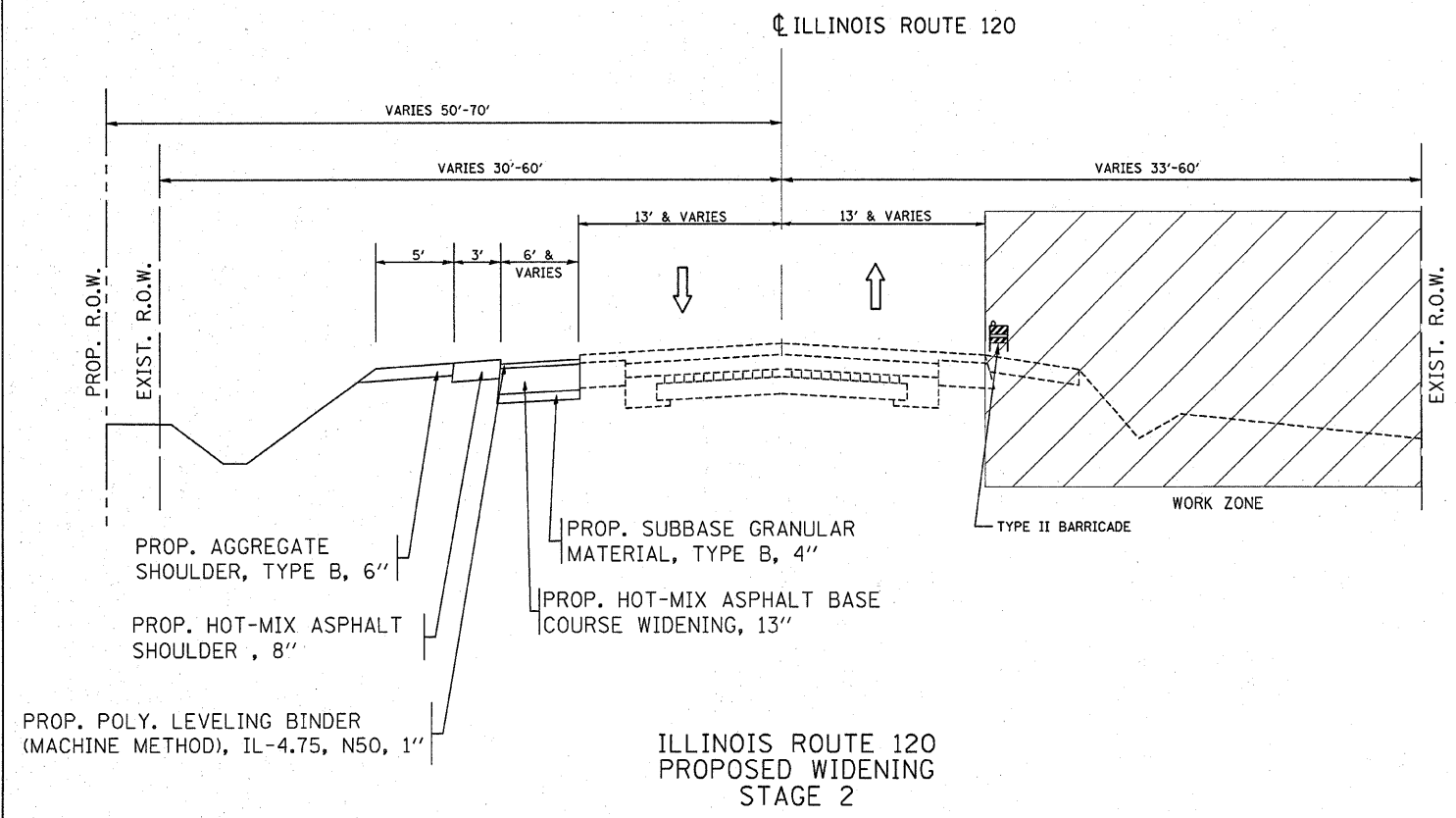
1) MILL EXISTING LANES IN ACCORDANCE WITH IDOT STANDARD 701306.
 2) PLACE BINDER COURSE ON MILLED SURFACE, PLACE SURFACE COURSE ON ALL AREAS BY USING DAYTIME LANE CLOSURES.
 3) PLACE PERMANENT PAVEMENT MARKING IN ACCORDANCE WITH IDOT STANDARD 701311.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		STAGING AND TRAFFIC CONTROL PLANS

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



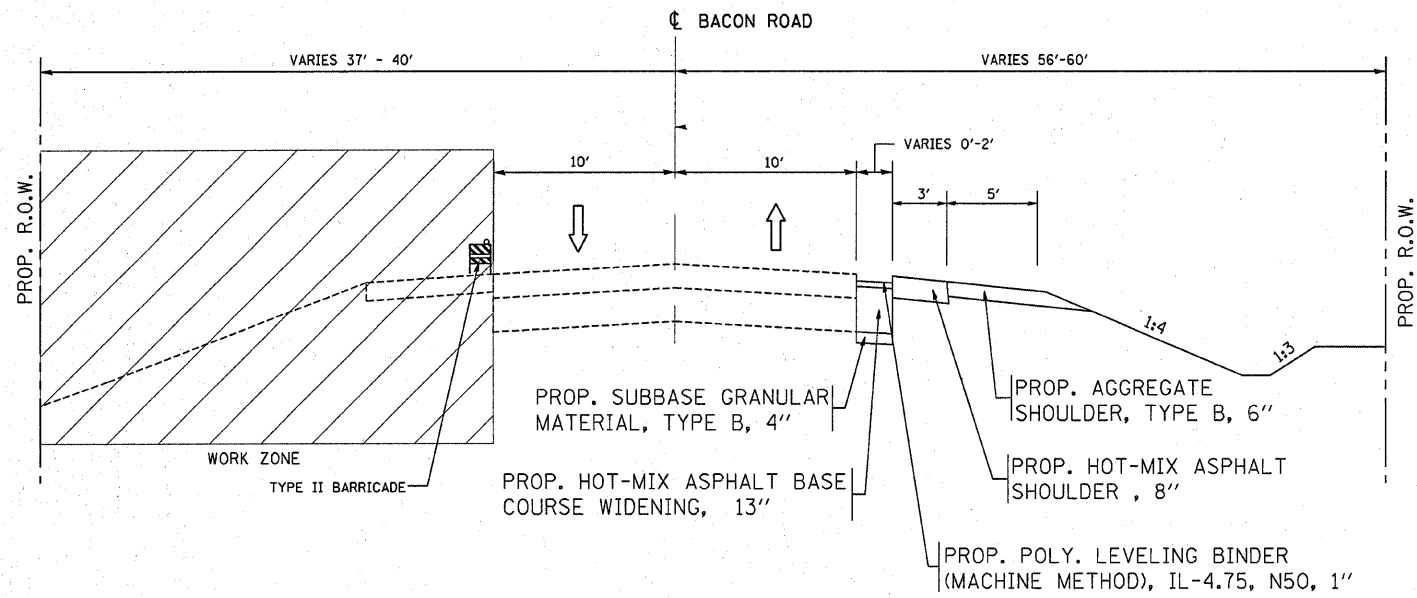
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUGGESTED STAGING AND TRAFFIC CONTROL
 (IL 120)

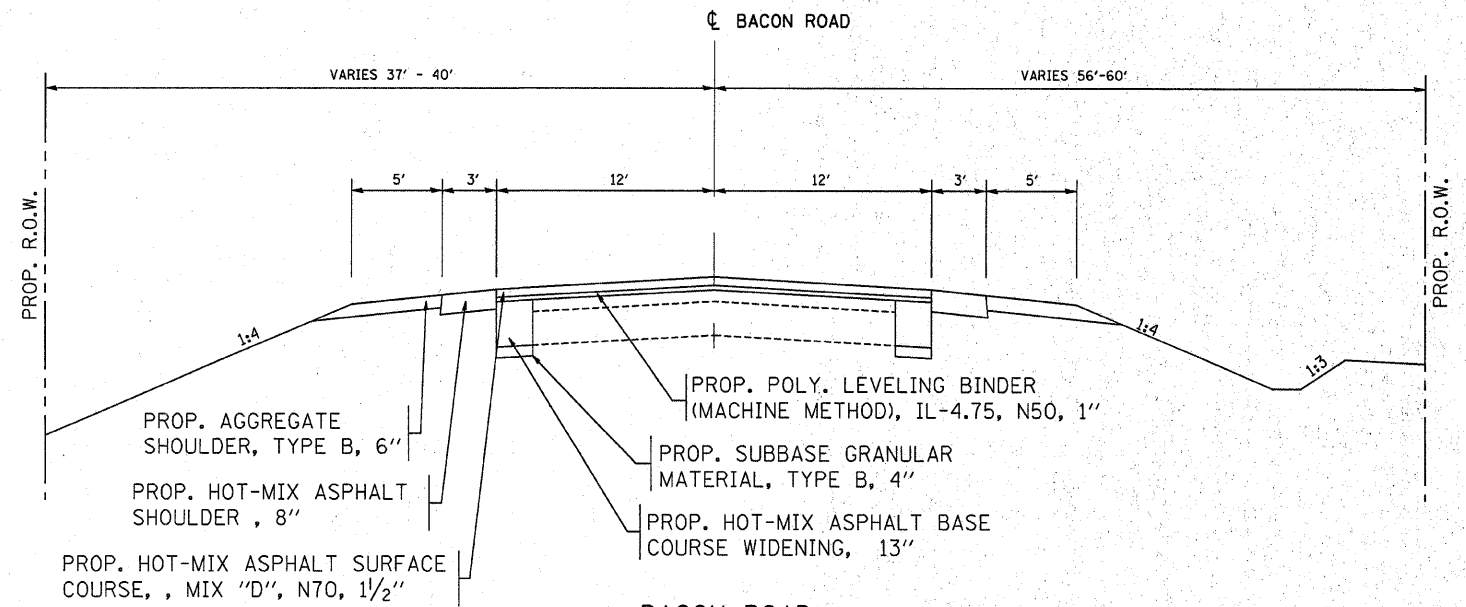
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

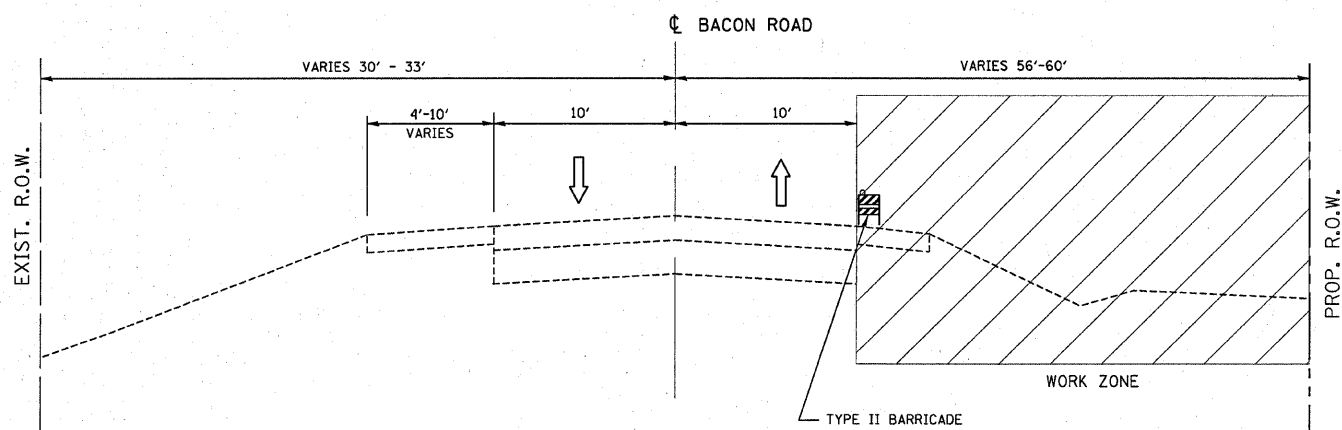
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



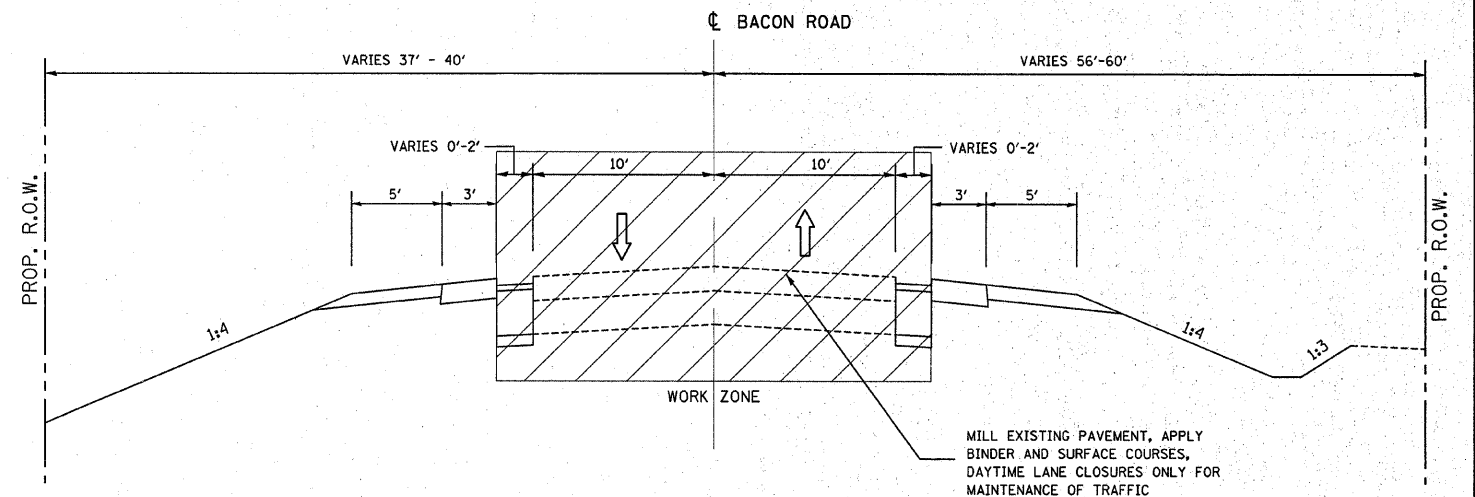
BACON ROAD
PROPOSED WIDENING
STAGE B



BACON ROAD
CONSTRUCTION COMPLETED



BACON ROAD
PROPOSED WIDENING
STAGE A



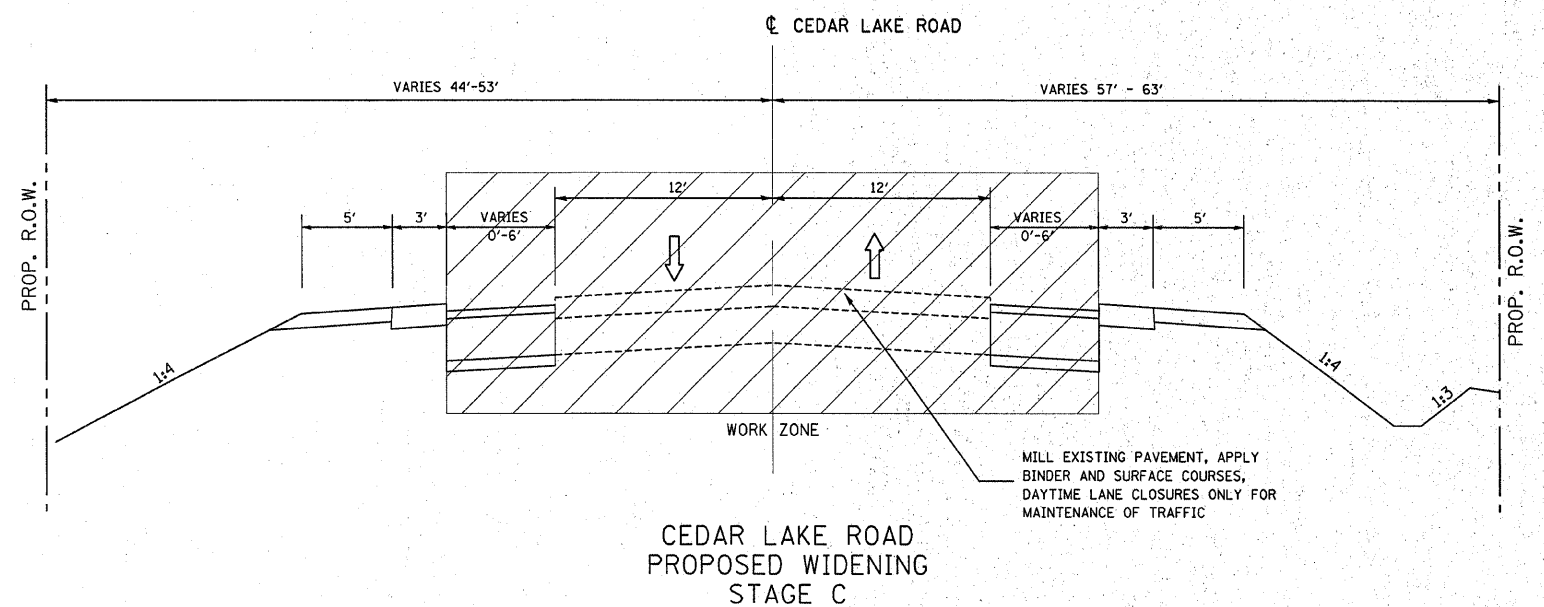
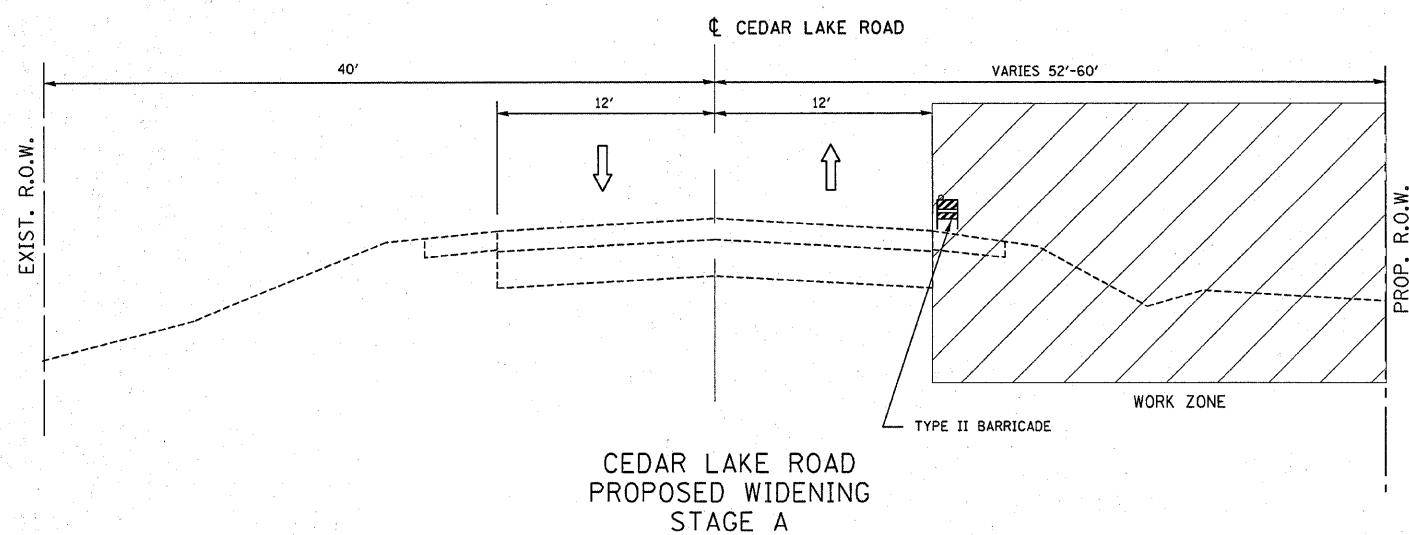
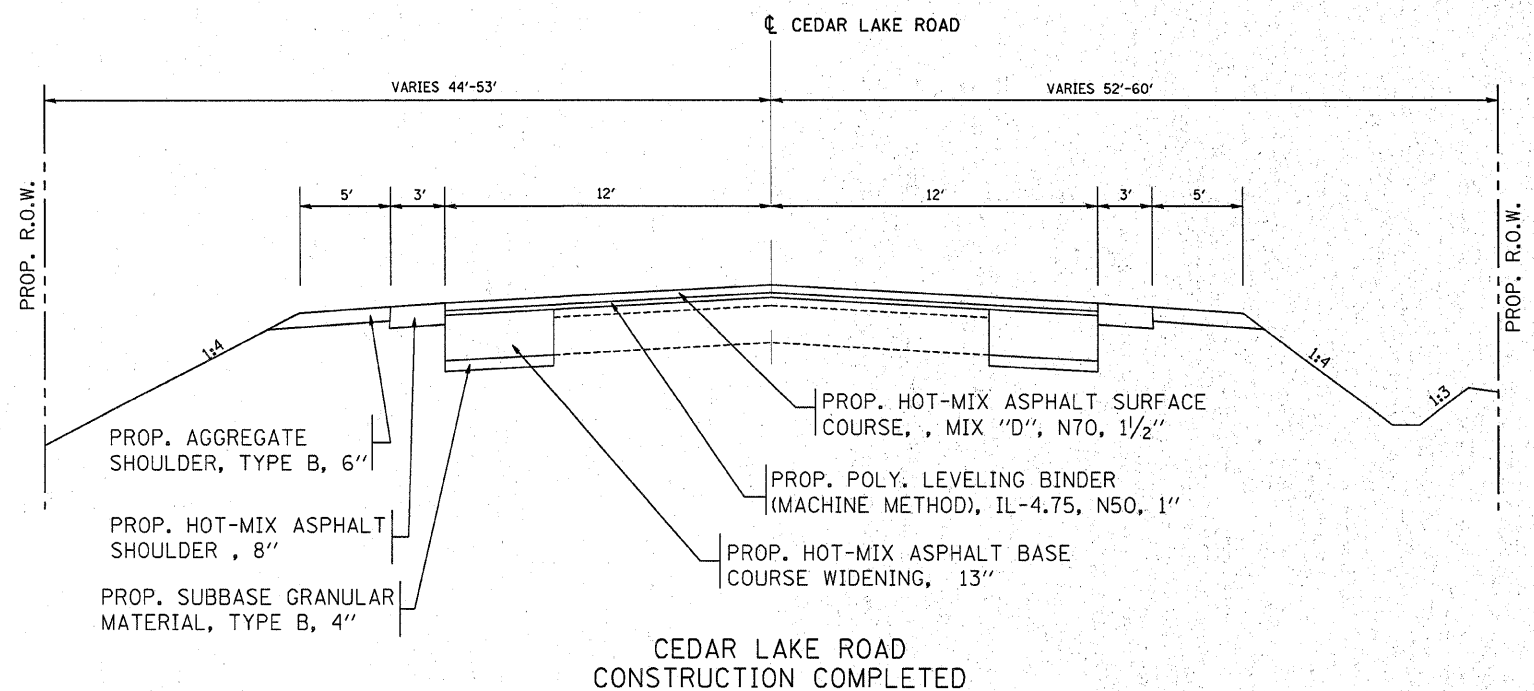
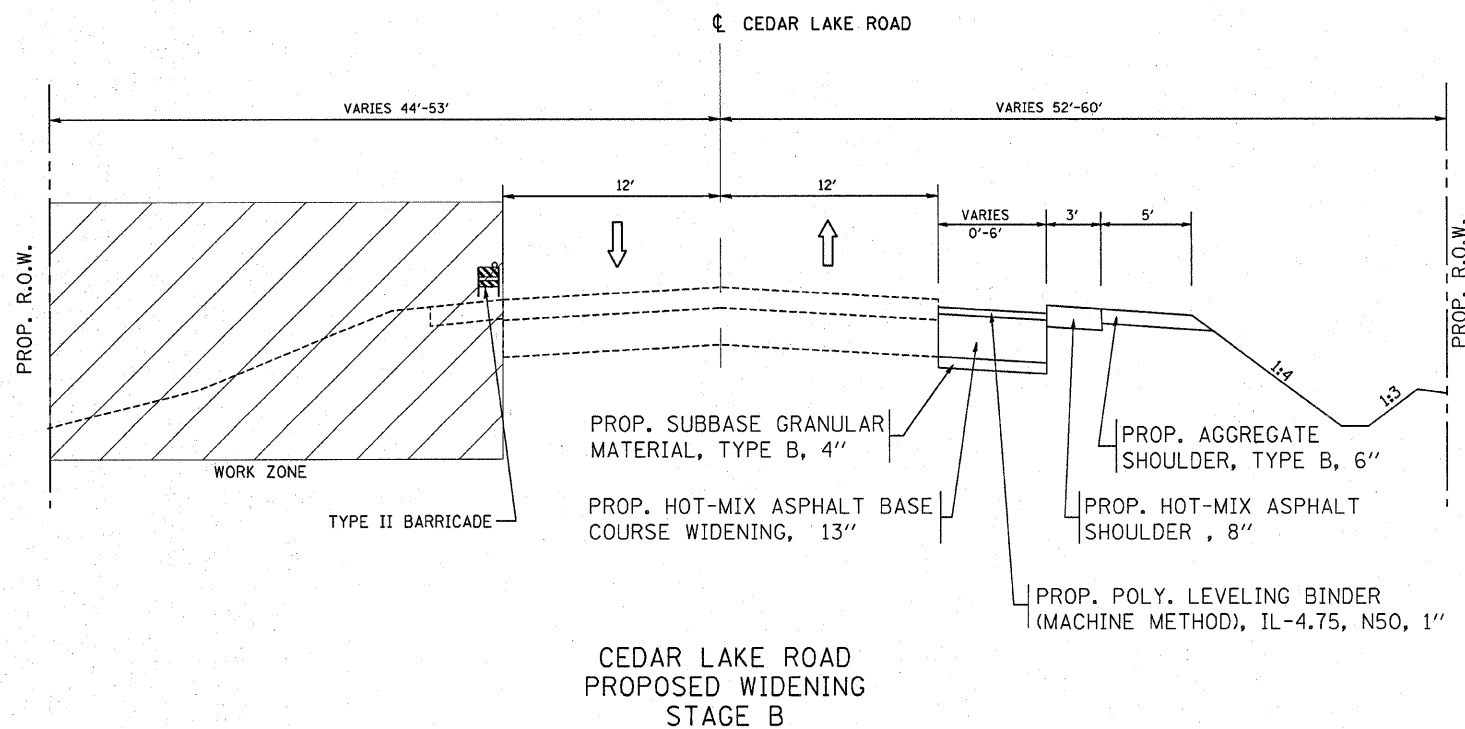
BACON ROAD
PROPOSED WIDENING
STAGE C

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**SUGGESTED STAGING
AND
TRAFFIC CONTROL**
(BACON ROAD)

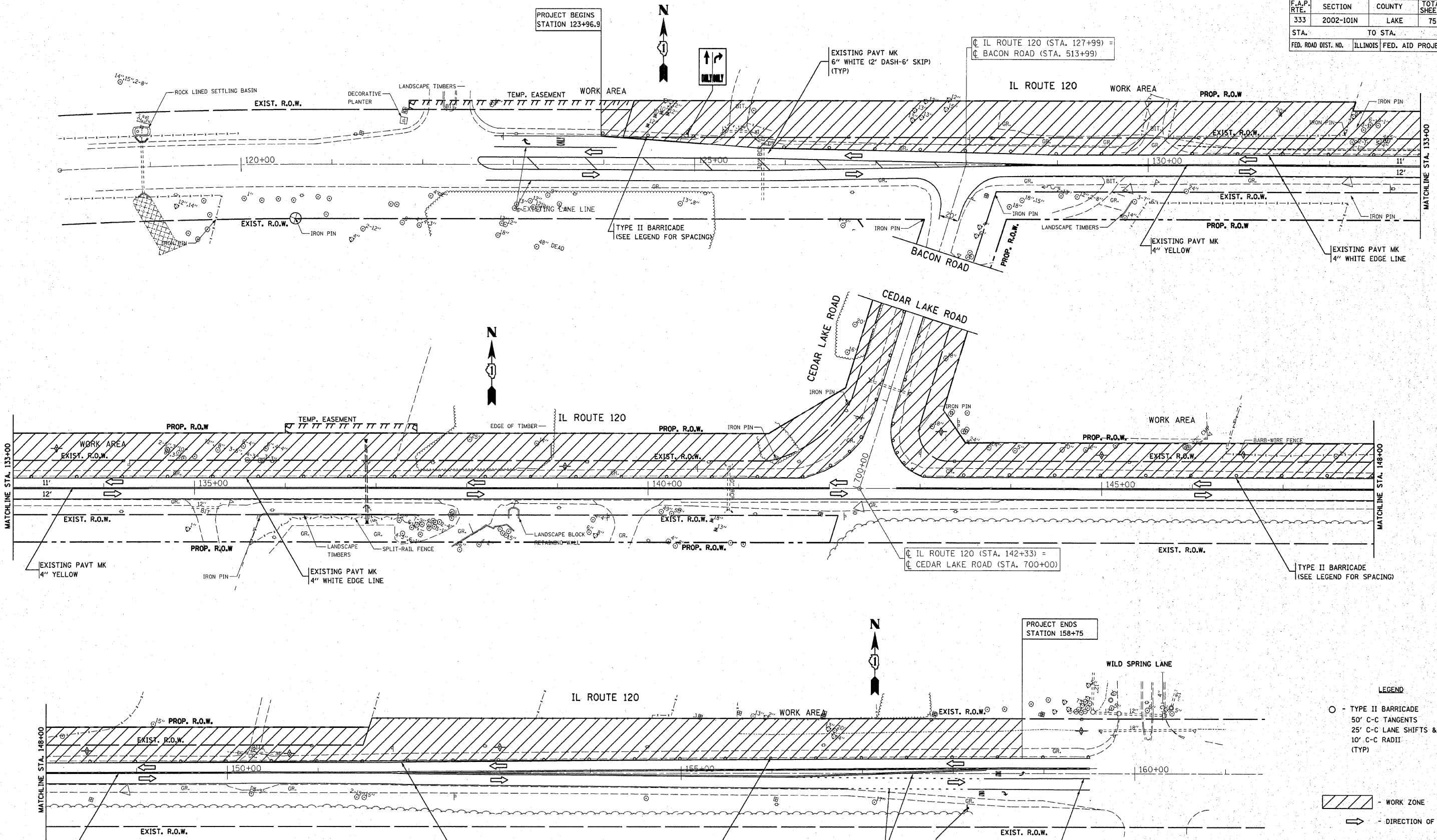
SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUGGESTED STAGING AND TRAFFIC CONTROL (CEDAR LAKE ROAD)
NAME	DATE	
		SCALE: VERT. DATE HORIZ. DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- - TYPE II BARRICADE
 - - 50' C-C TANGENTS
 - - 25' C-C LANE SHIFTS & TAPERS
 - - 10' C-C RADII (TYP)
 - ▨ - WORK ZONE
 - - DIRECTION OF TRAFFIC

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUGGESTED STAGING AND TRAFFIC CONTROL
 (MAINLINE-IL 120)
 STAGE I

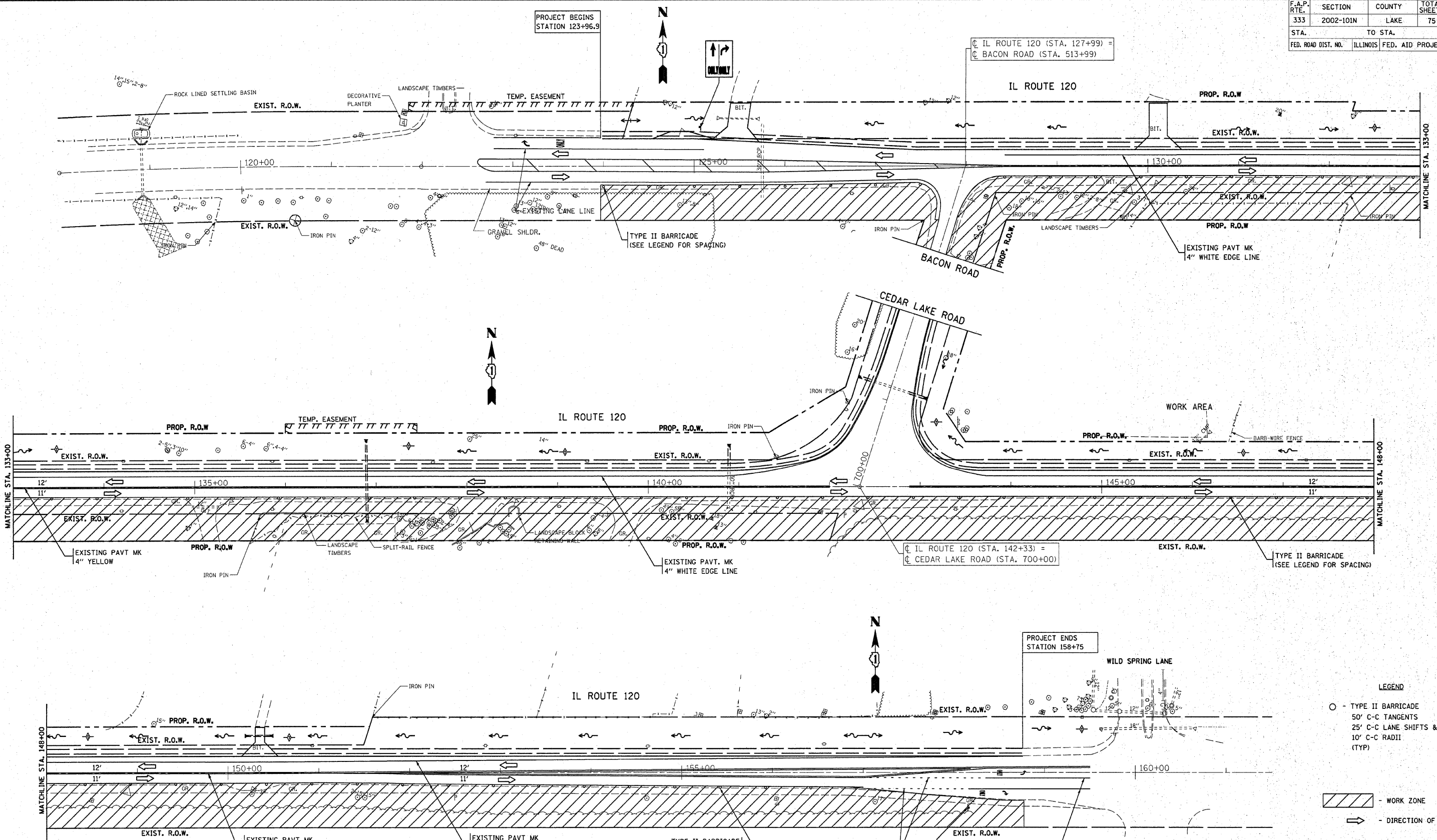
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROJECT BEGINS
STATION 123+96.9

IL ROUTE 120 (STA. 127+99) =
BACON ROAD (STA. 513+99)



- LEGEND**
- - TYPE II BARRICADE
 - - 50' C-C TANGENTS
 - - 25' C-C LANE SHIFTS & TAPERS
 - - 10' C-C RADII (TYP)

- ▨ - WORK ZONE
- ➔ - DIRECTION OF TRAFFIC

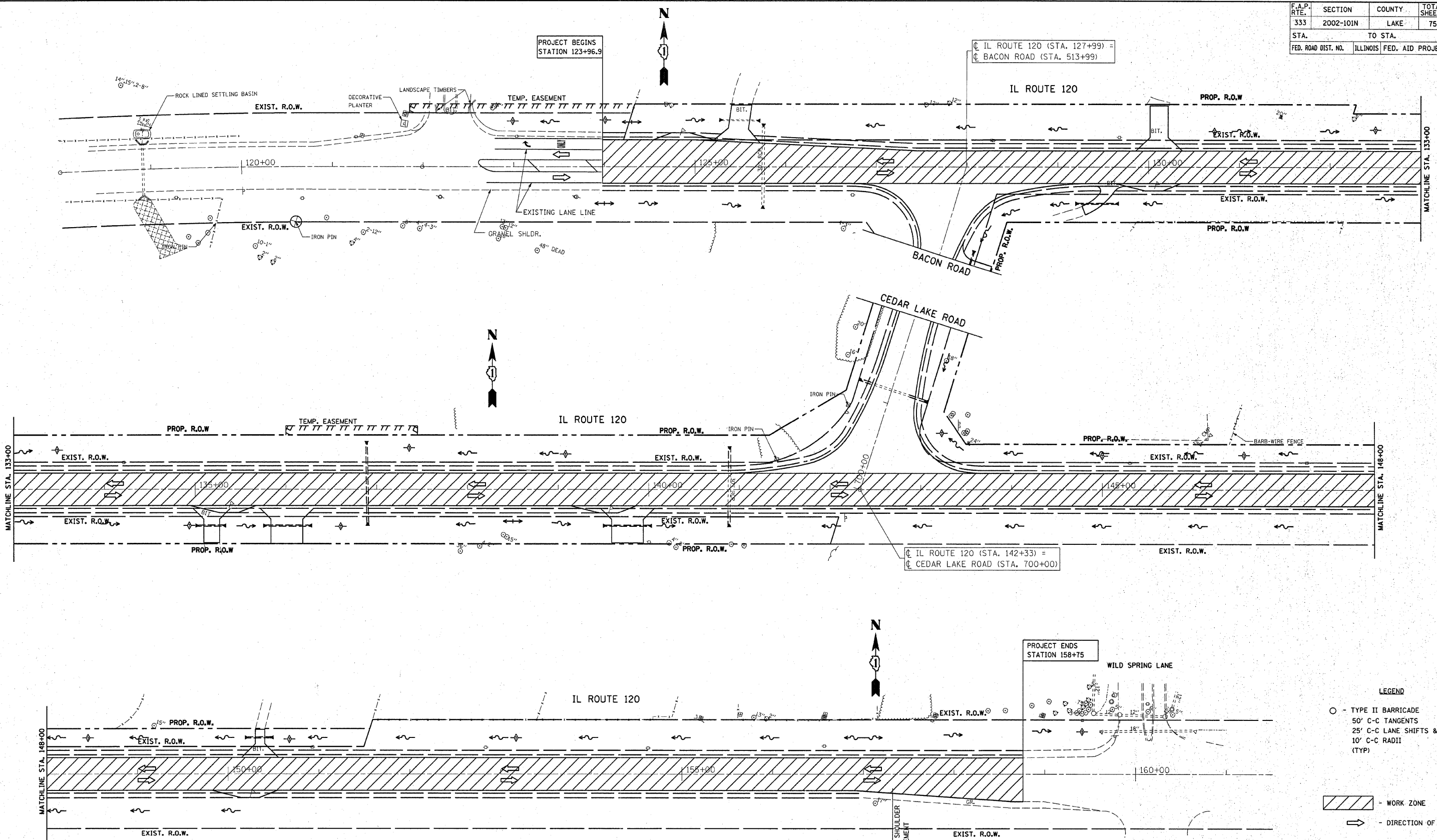
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUGGESTED STAGING AND TRAFFIC CONTROL
 (MAINLINE-IL 120)
 STAGE II

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-10IN	LAKE	75	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



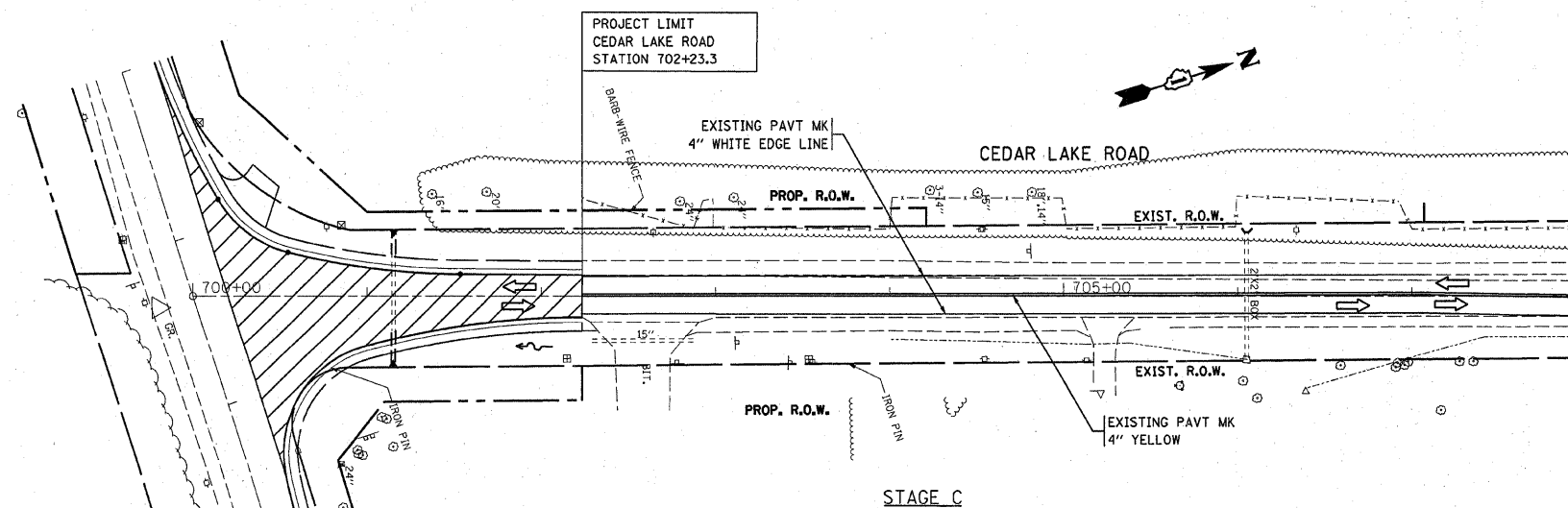
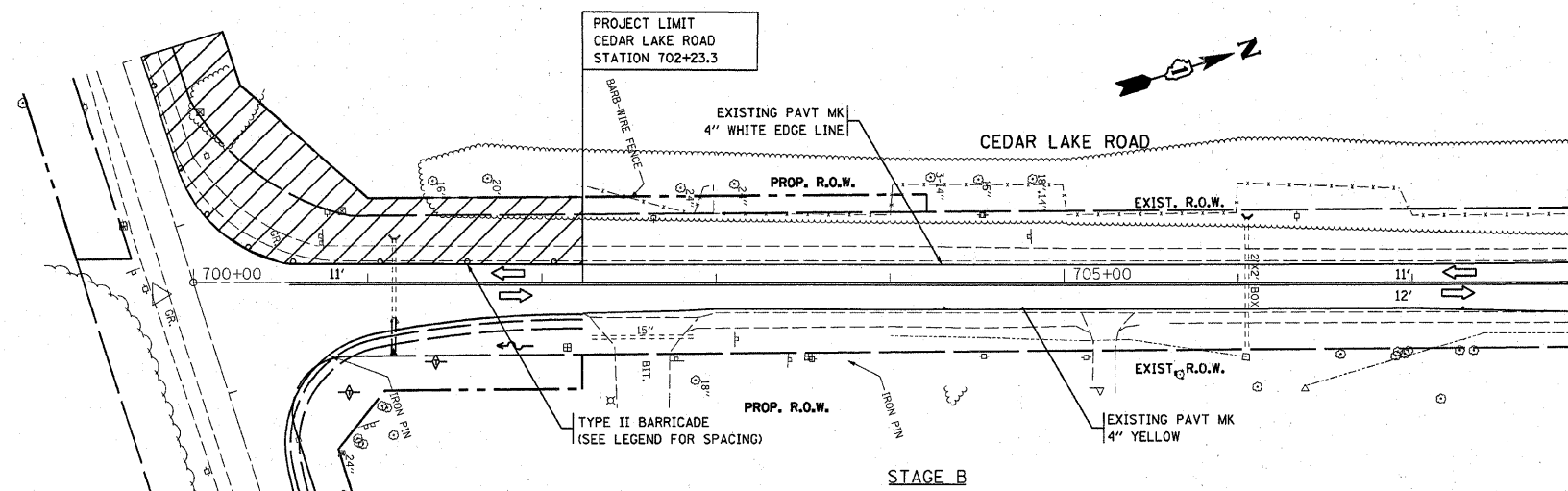
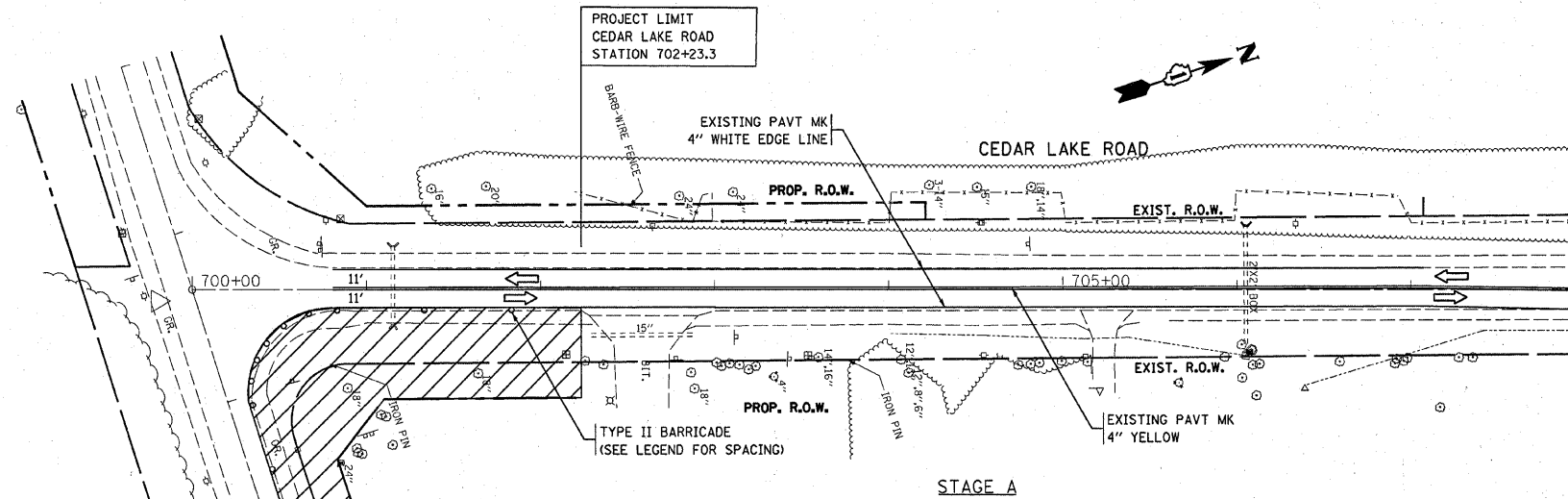
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUGGESTED STAGING AND TRAFFIC CONTROL
 (MAINLINE-IL 120)
 STAGE III

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- - TYPE II BARRICADE
 - - 50' C-C TANGENTS
 - - 25' C-C LANE SHIFTS & TAPERS
 - - 10' C-C RADII (TYP)
- ▨ - WORK ZONE
- ⇨ - DIRECTION OF TRAFFIC

REVISIONS	
NAME	DATE

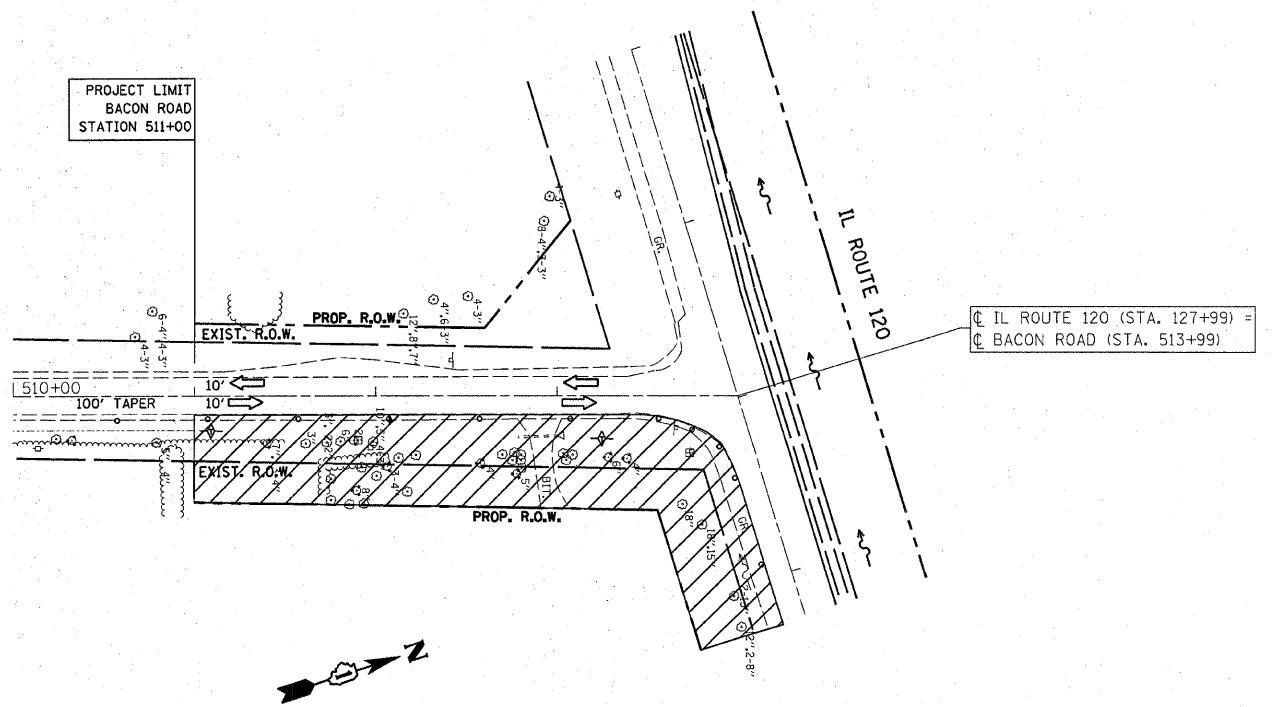
ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING AND TRAFFIC CONTROL
(CEDAR LAKE ROAD)
STAGE A, B, & C

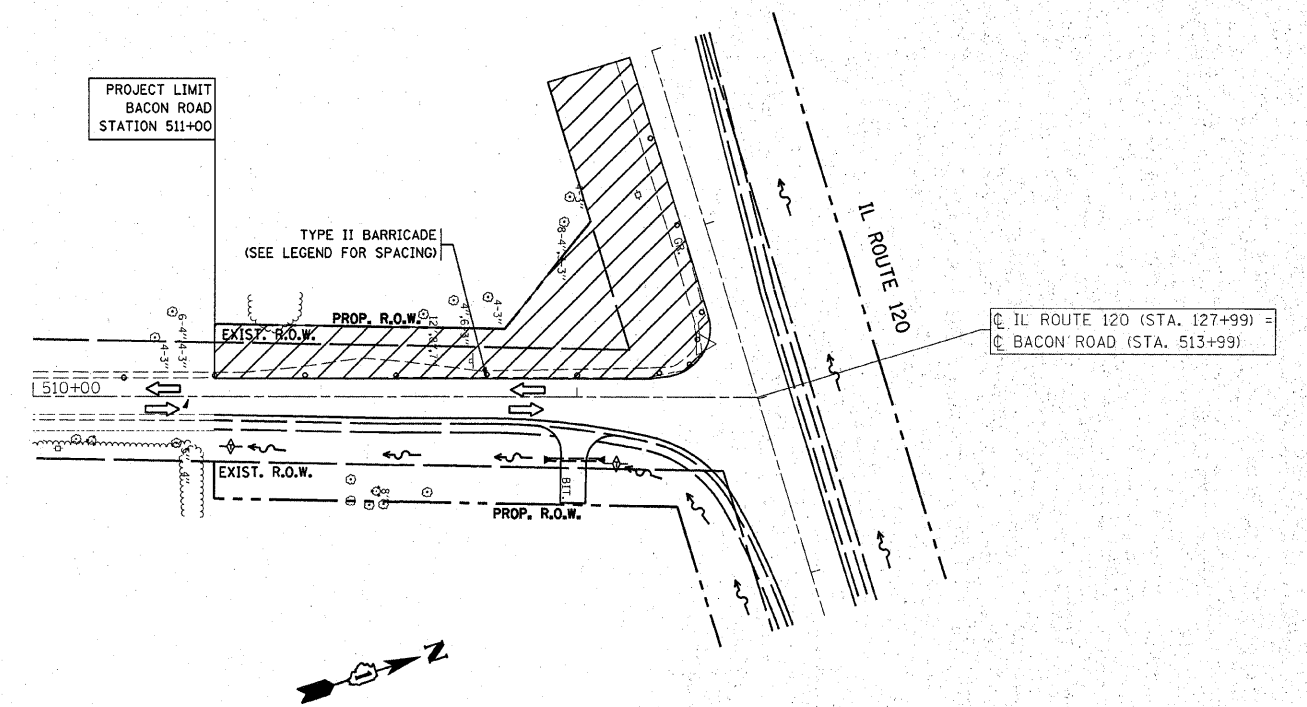
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HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

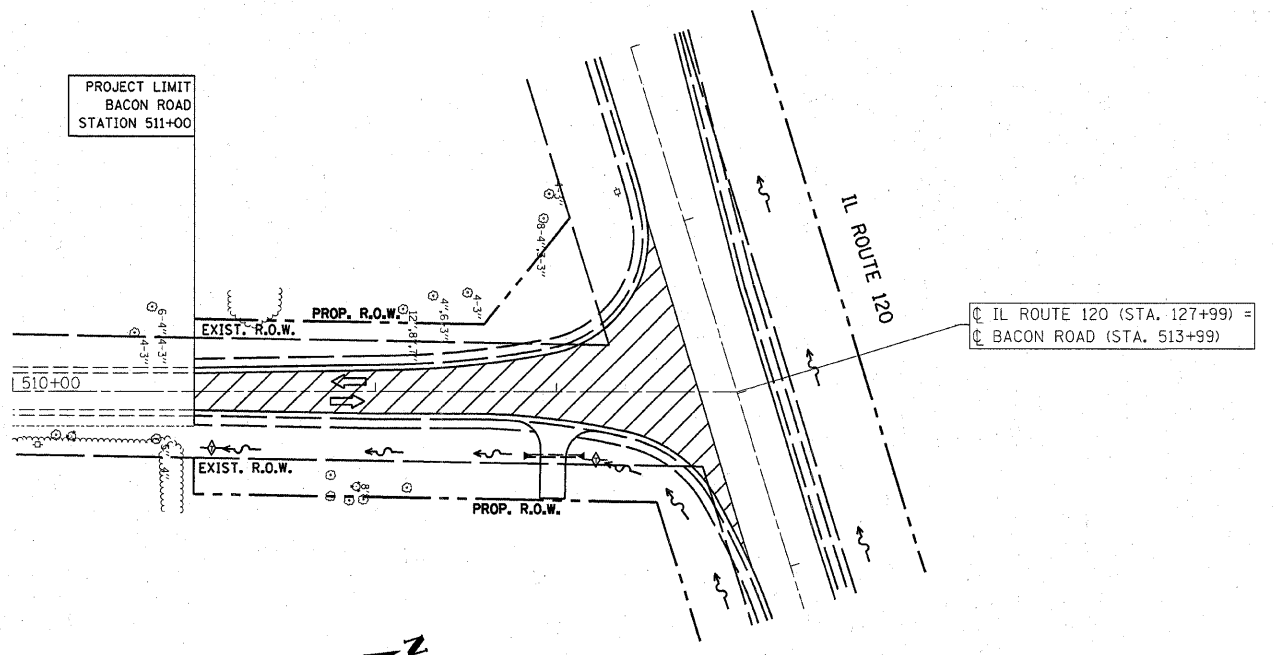
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGE A



STAGE B



STAGE C

- LEGEND**
- - TYPE II BARRICADE
 - 50' C-C TANGENTS
 - 25' C-C LANE SHIFTS & TAPERS
 - 10' C-C RADII (TYP)
 - WORK ZONE
 - DIRECTION OF TRAFFIC

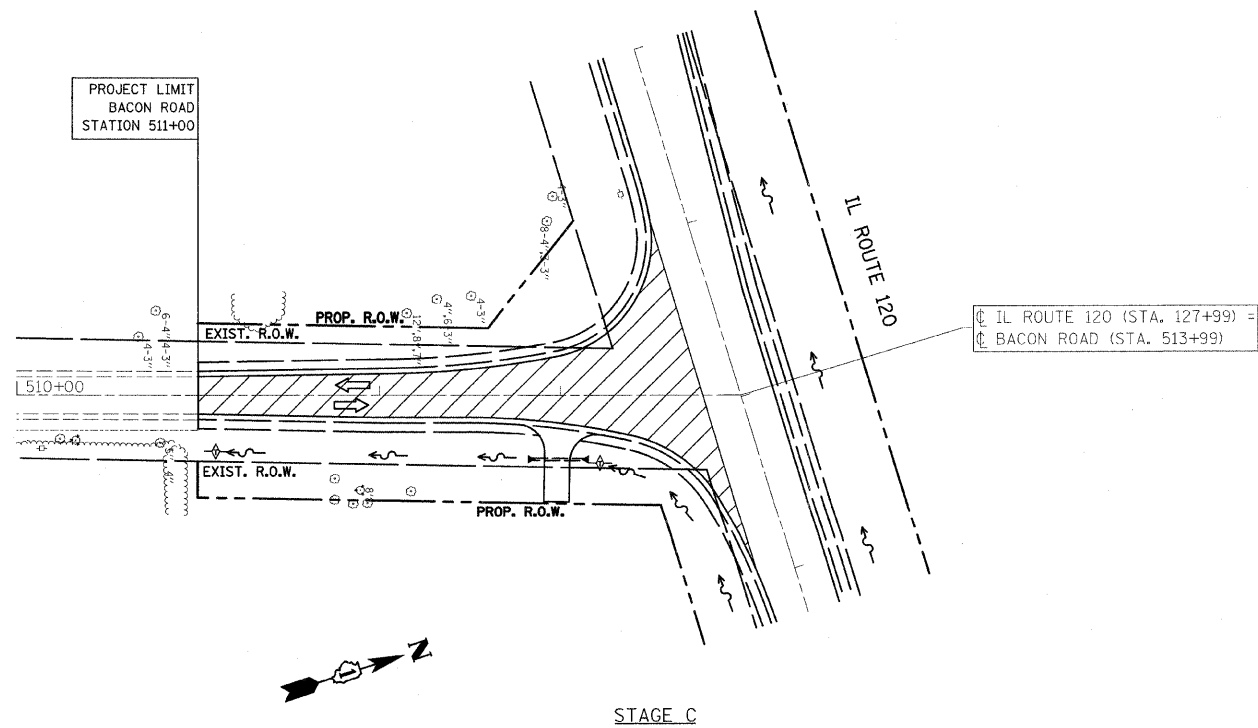
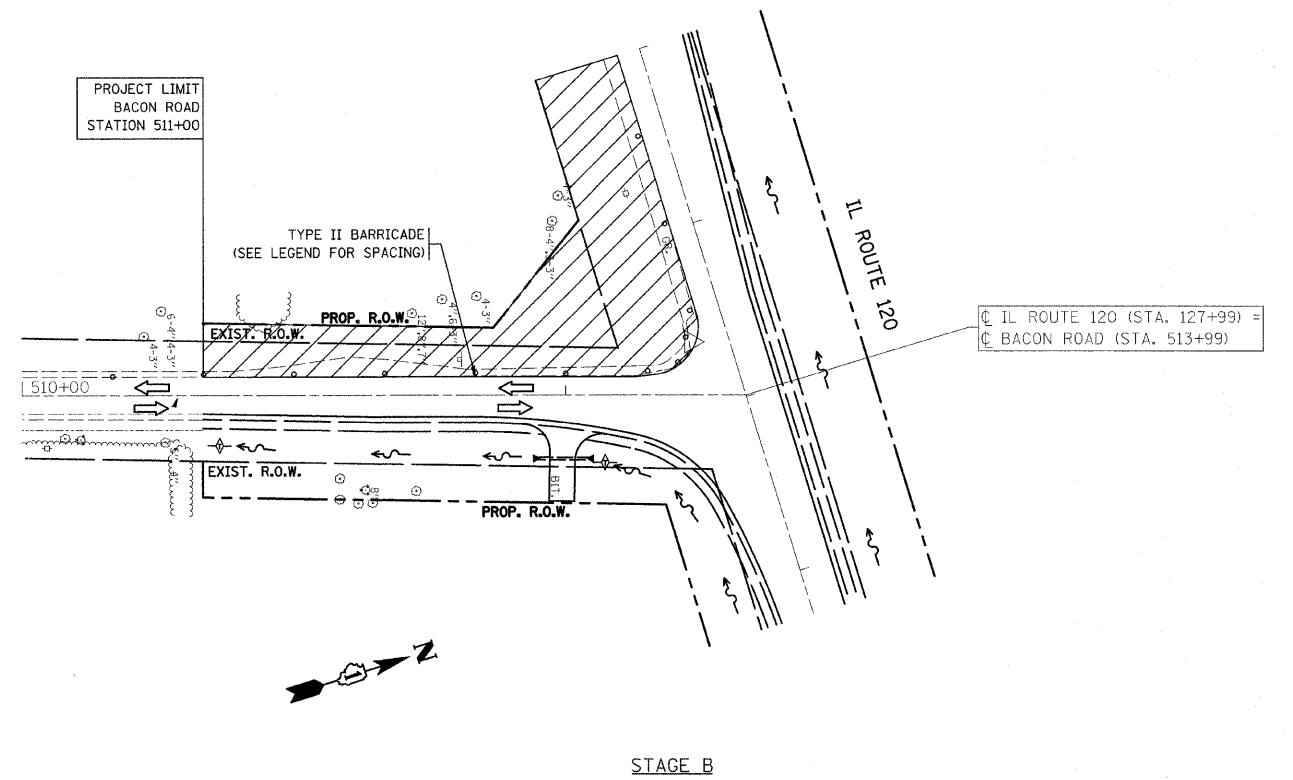
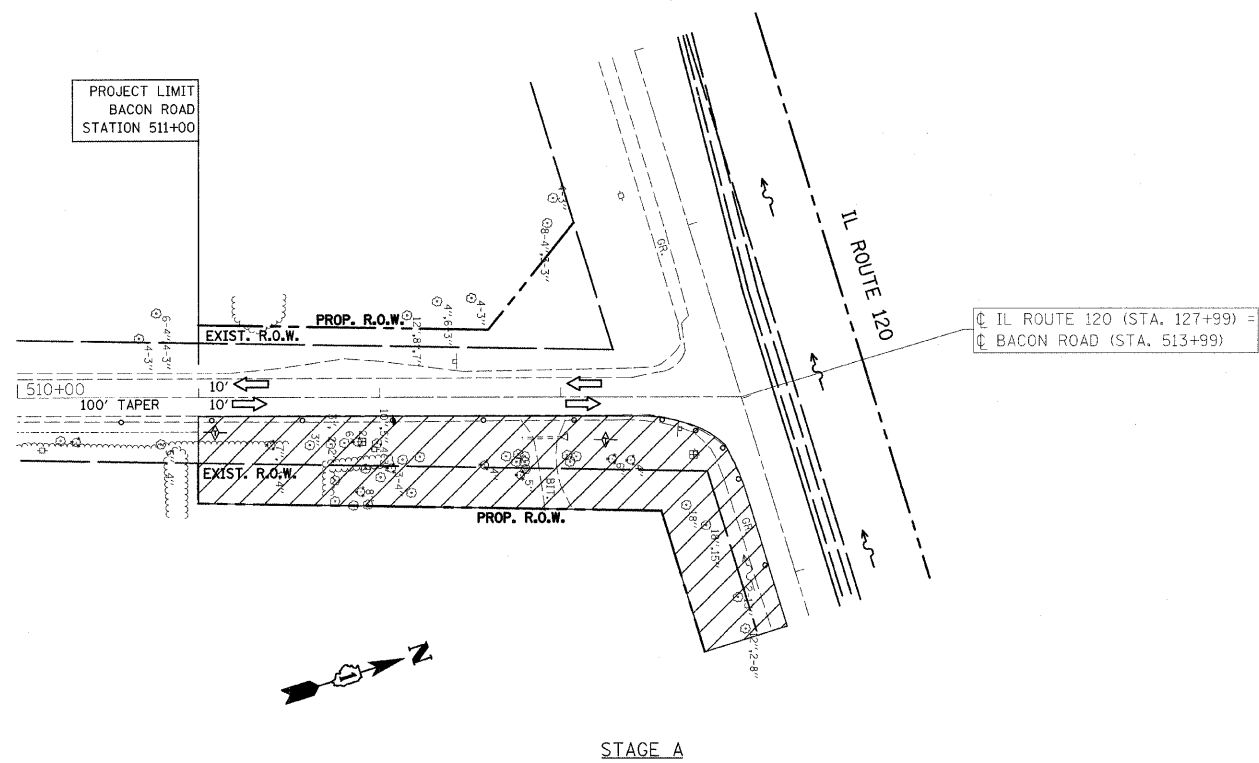
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING AND TRAFFIC CONTROL
(BACON ROAD)
STAGE A, B, & C

SCALE: VERT. DATE: HORIZ. DRAWN BY: CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND
- - TYPE II BARRICADE
 - 50' C-C TANGENTS
 - 25' C-C LANE SHIFTS & TAPERS
 - 10' C-C RADII (TYP)
 - ▨ - WORK ZONE
 - ➔ - DIRECTION OF TRAFFIC

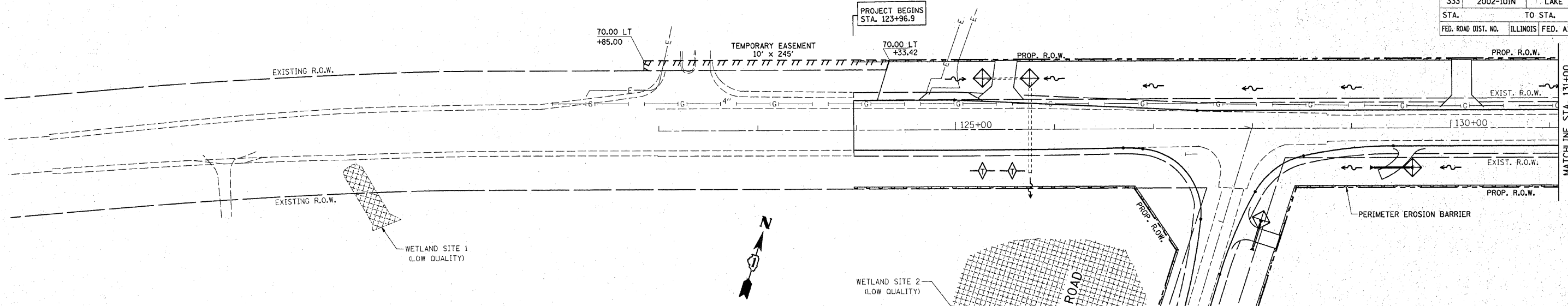
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING AND TRAFFIC CONTROL
(BACON ROAD)
STAGE A, B, & C

SCALE: VERT. DATE: HORIZ. DRAWN BY: CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



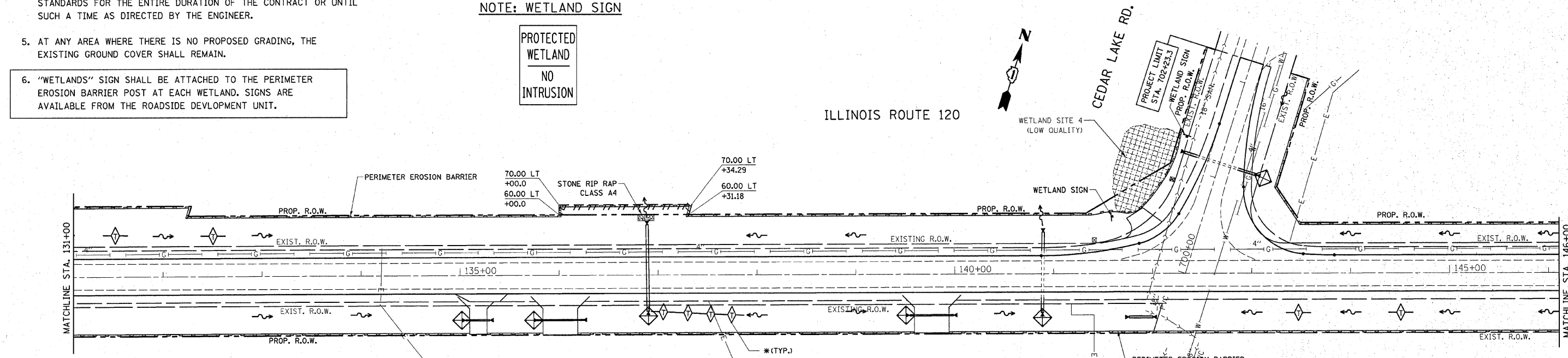
NOTES:

- TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISION.
- NPDES PERMIT IS REQUIRED FOR THE PROJECT.
- 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 IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
- ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATION 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.
- AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
- "WETLANDS" SIGN SHALL BE ATTACHED TO THE PERIMETER EROSION BARRIER POST AT EACH WETLAND. SIGNS ARE AVAILABLE FROM THE ROADSIDE DEVELOPMENT UNIT.

LEGEND FOR EROSION CONTROL NOTES

- PERIMETER EROSION BARRIER
- DITCH CHECK @ EVERY 1' DROP IN DITCH ELEVATION
- SWALE
- DITCH
- INLET PROTECTION (COMBINATION OF DITCH CHECK, SILT FENCE TRAP BASIN, EROSION CONTROL BLANKET AND SEEDING)

NOTE: WETLAND SIGN

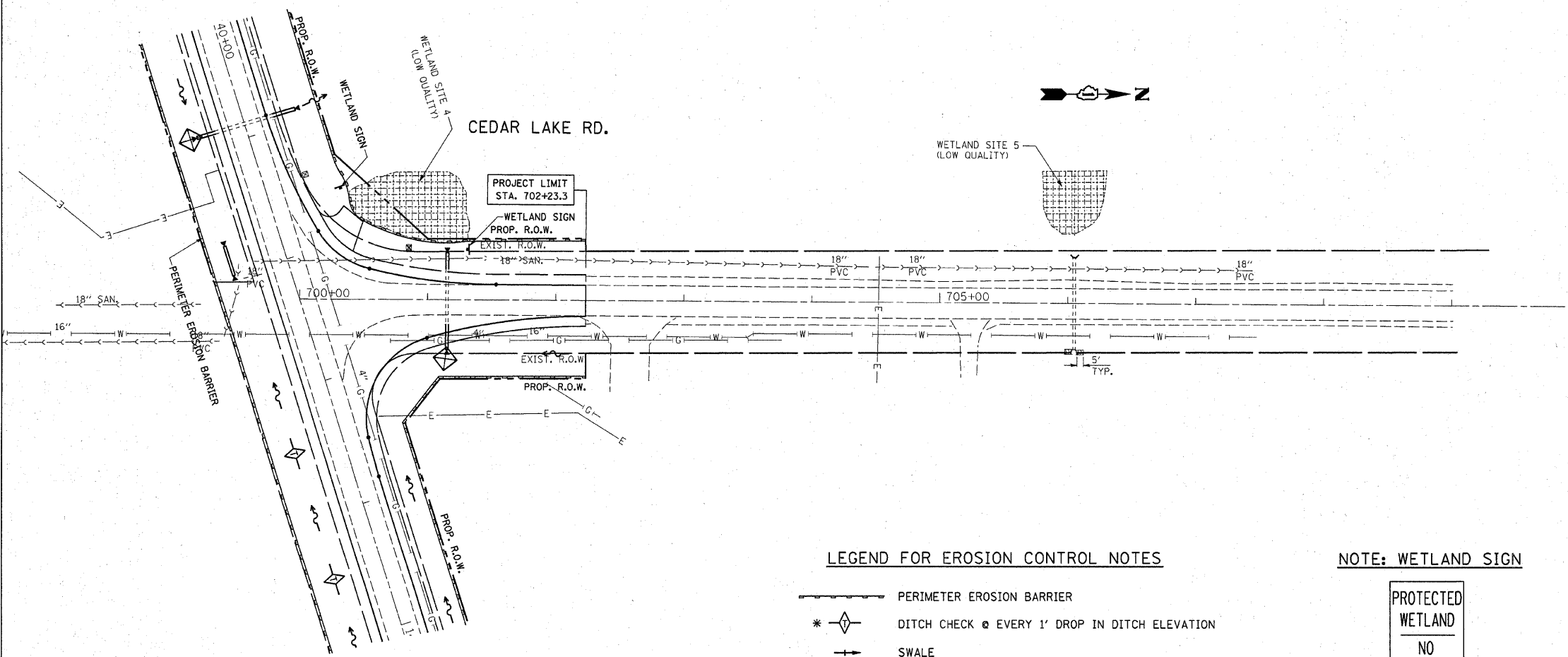
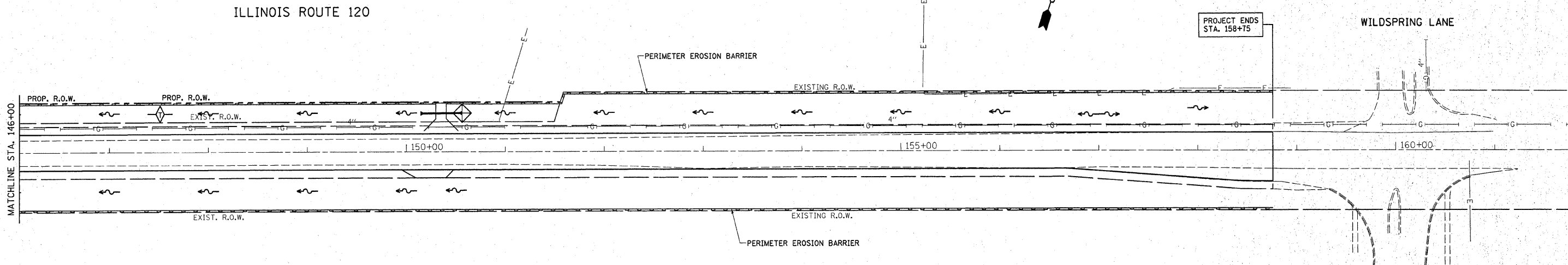


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL. ROUTE 120
 @ CEDAR LAKE RD.
 EROSION CONTROL PLAN**
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/23/2009
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 1/23/2009
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 PLOT SCALE = 48,99999 / IN.
 USER NAME = mdgjs

CONTRACT NO. 62514				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- NOTES:**
- TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISION.
 - NPDES PERMIT IS REQUIRED FOR THE PROJECT.
 - 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 IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
 - ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATION 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.
 - AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
 - "WETLANDS" SIGN SHALL BE ATTACHED TO THE PERIMETER EROSION BARRIER POST AT EACH WETLAND. SIGNS ARE AVAILABLE FROM THE ROADSIDE DEVELOPMENT UNIT.

LEGEND FOR EROSION CONTROL NOTES

- PERIMETER EROSION BARRIER
- DITCH CHECK @ EVERY 1' DROP IN DITCH ELEVATION
- SWALE
- DITCH
- INLET PROTECTION (COMBINATION OF DITCH CHECK, SILT FENCE TRAP BASIN, EROSION CONTROL BLANKET AND SEEDING)

NOTE: WETLAND SIGN



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL. ROUTE 120
@ CEDAR LAKE RD.
EROSION CONTROL PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'

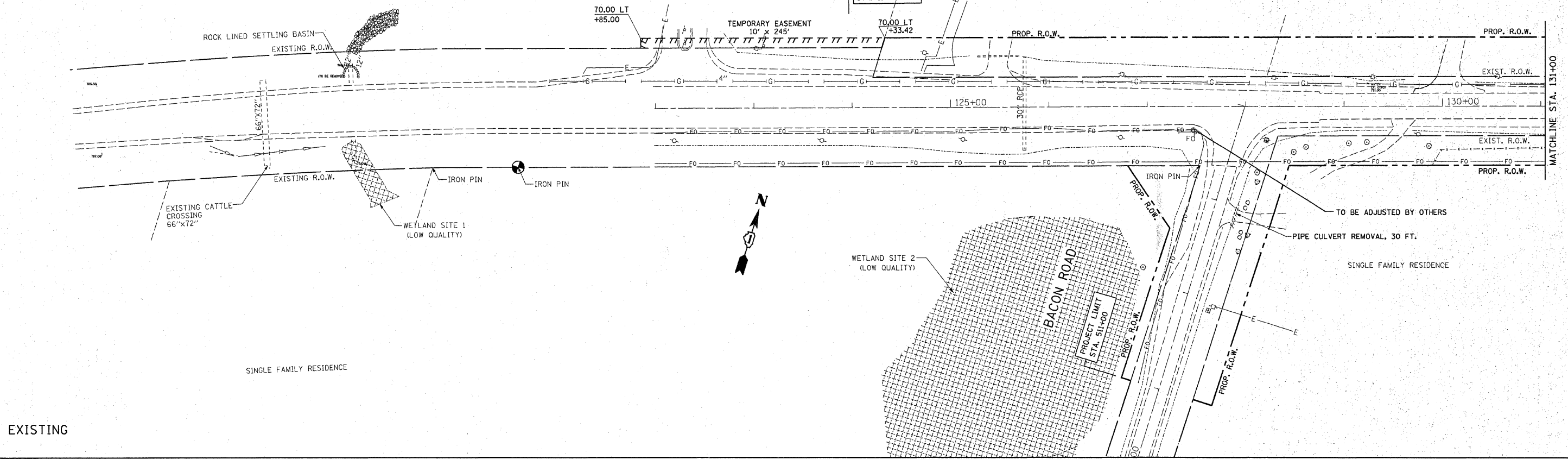
DATE 1/23/2009

DRAWN BY
CHECKED BY

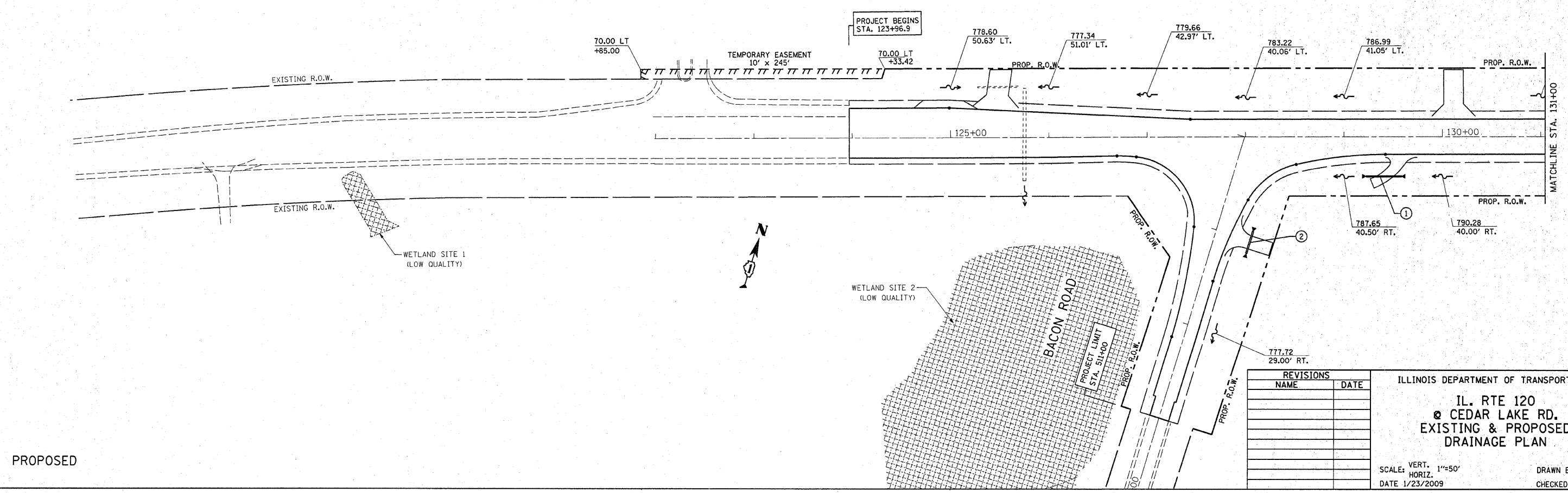
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 PLOT SCALE = 48.9999 / IN.
 USER NAME = mjdjg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

COUNTRY LAKES RESORT
GERBER "AUTO COLLISION SPECIALISTS"



EXISTING



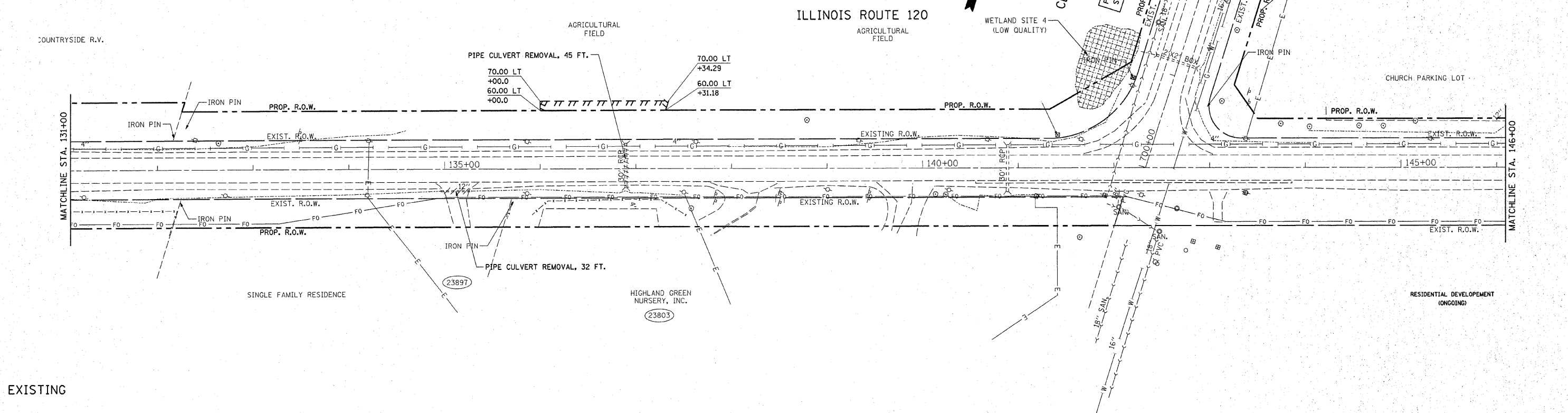
PROPOSED

REVISIONS	
NAME	DATE

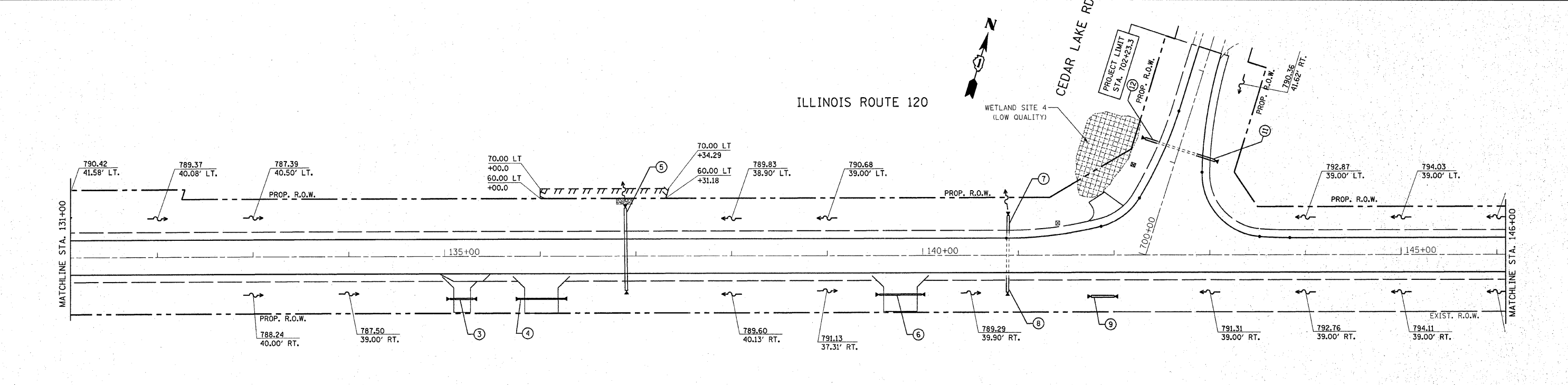
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL. RTE 120
 CEDAR LAKE RD.
 EXISTING & PROPOSED
 DRAINAGE PLAN
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/23/2009
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 1/23/2009
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

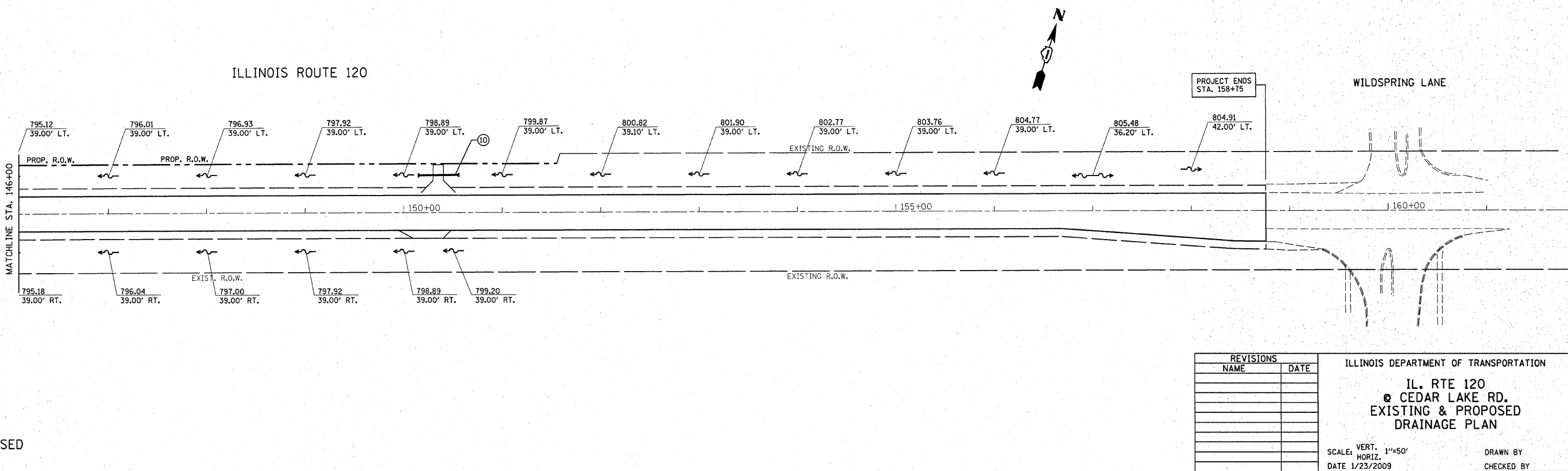
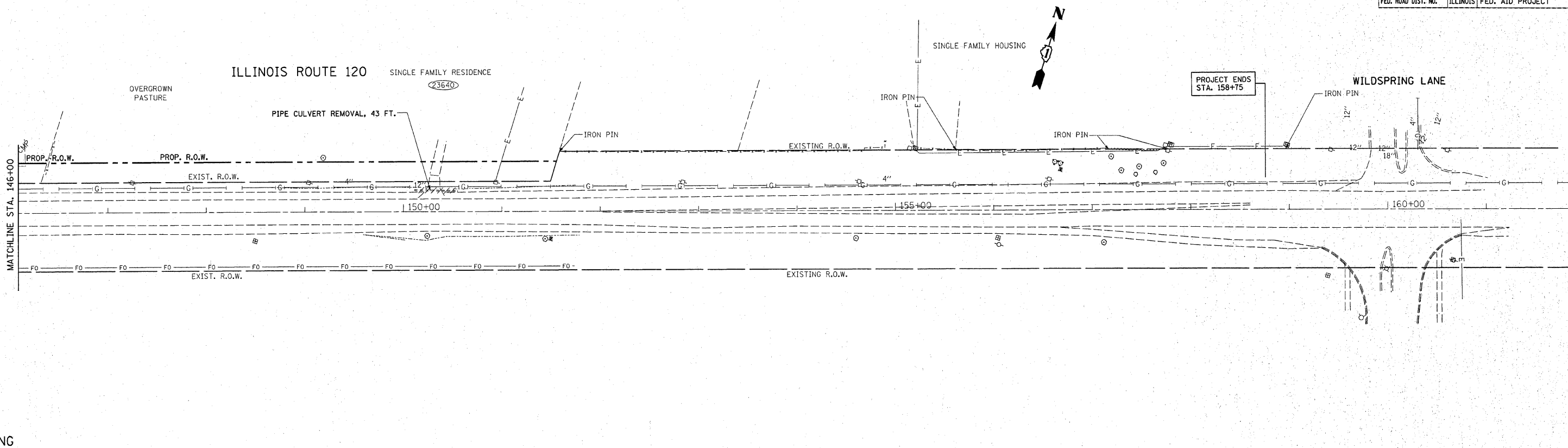
**IL. RTE 120
@ CEDAR LAKE RD.
EXISTING & PROPOSED
DRAINAGE PLAN**

VERT. SCALE: 1"=50'
HORIZ. SCALE: 1"=50'
DATE: 1/23/2009

DRAWN BY: _____
CHECKED BY: _____

PLOT DATE = 1/23/2009
 FILE NAME = c:\p\proj\2002\101N\101N.dwg
 PLOT SCALE = 1/2"=50'
 USER NAME = mdsjg

CONTRACT NO. 62514				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION

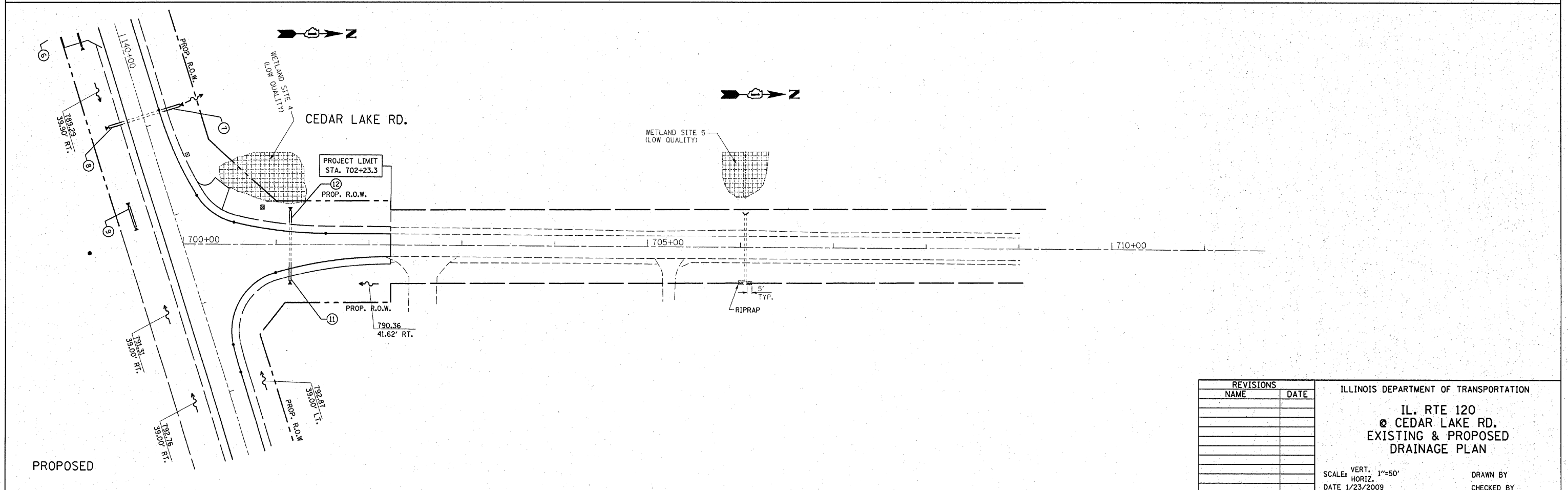
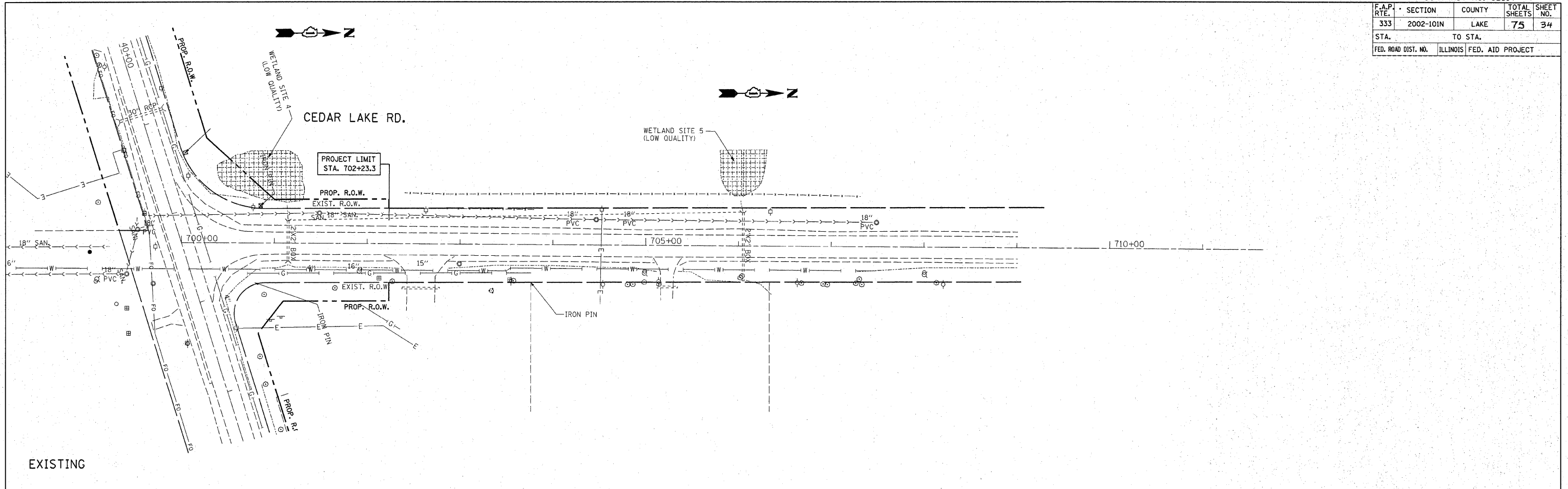
IL. RTE 120
@ CEDAR LAKE RD.
EXISTING & PROPOSED
DRAINAGE PLAN

VERT. SCALE: 1"=50'
 HORIZ. SCALE: 1"=50'
 DATE 1/23/2009

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 1/23/2009
 FILE NAME = c:\pwork\62514\62514\DWG\62514\DRN\62514.DWG
 PLOT SCALE = 1/8"=1'-0" / IN.
 USER NAME = mdj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

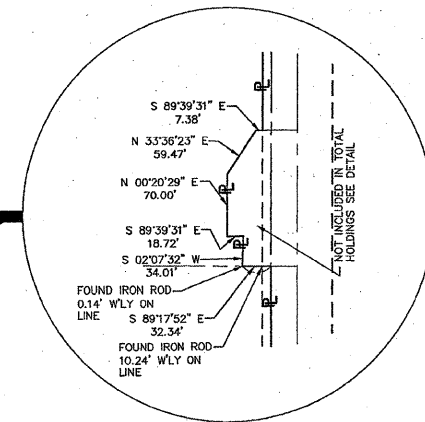
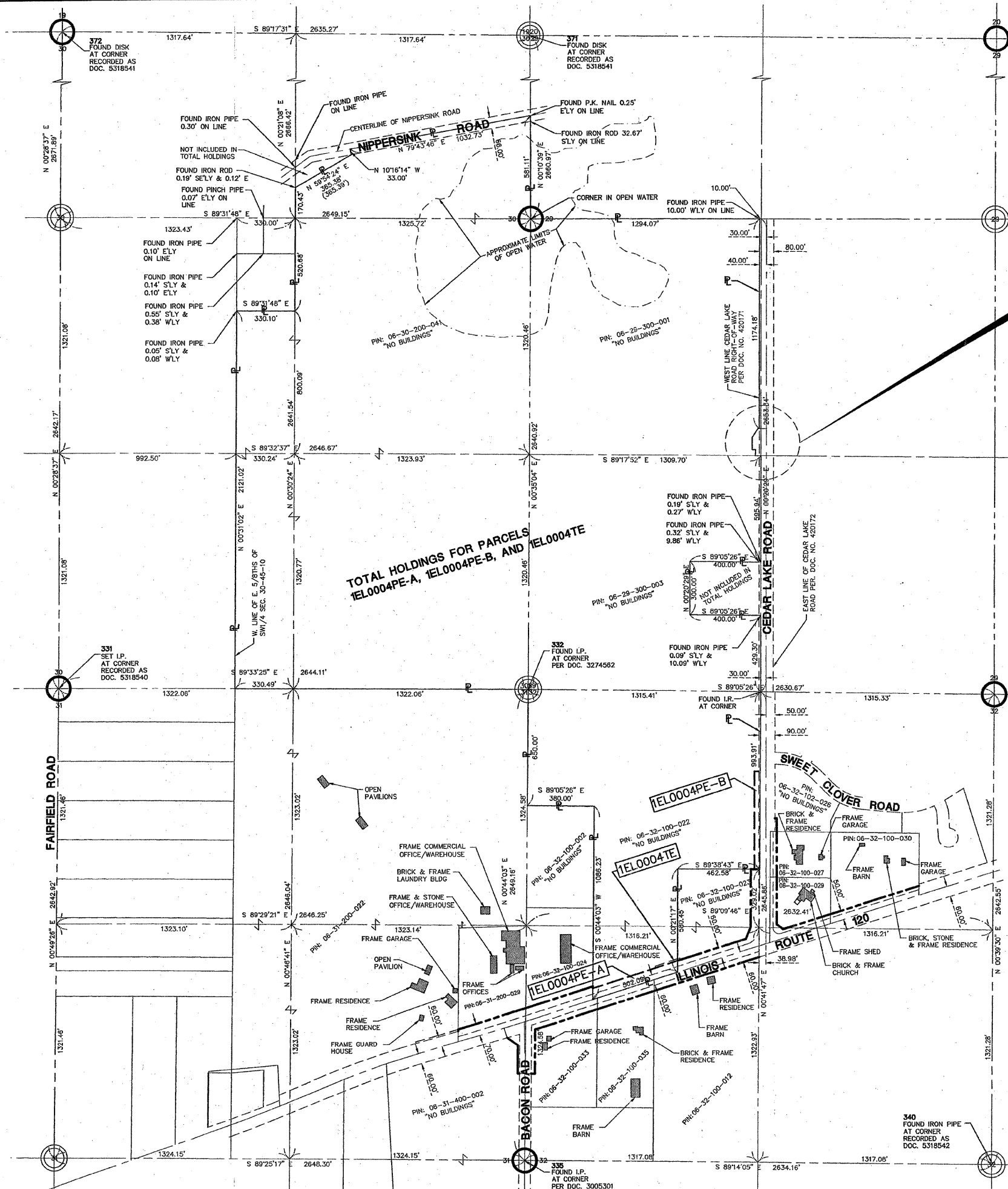
**IL. RTE 120
CEDAR LAKE RD.
EXISTING & PROPOSED
DRAINAGE PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/23/2009

DRAWN BY
CHECKED BY

PLOT DATE = 1/23/2009
FILE NAME = c:\pwworkspace\p1\DOT\VID\JA\dm9382\PI2 P1-plt-drain-bddgn
PLOT SCALE = 49.9999 / IN.
USER NAME = mdjg

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1E10004PE-A	LAKE COUNTY FOREST PRESERVE DISTRICT	220.228	0.000	0.376	219.852	0.346	06-29-300-001	PERMANENT	
1E10004PE-B						0.320	06-29-300-003	PERMANENT	
1E10004TE						0.030	06-30-200-041 06-32-100-022	CONSTRUCTION	



DETAIL
SCALE: 1" = 100'

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON PIPE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON PIPE. 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 OR 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 COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD

STATE OF ILLINOIS
COUNTY OF LAKE

I, TIMOTHY J. MURPHY, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 31 AND 32, TOWNSHIP 45 NORTH RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, ILLINOIS; 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 VERNON HILLS, ILLINOIS THIS 25TH DAY OF OCTOBER, A.D., 2007

Timothy J. Murphy
ILLINOIS PROFESSIONAL LAND SURVEYOR No. 2870
EXPIRES NOVEMBER 30, 2008

TIMOTHY J. MURPHY
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 2870
VERNON HILLS, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINTS PID A12870 AND A13061 WERE RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99998565

ID07 SB2- 3424 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

MANIARD CONSULTING ENGINEERS • SURVEYORS • PLANNERS
900 WOODLANDS PARKWAY, VERNON HILLS, IL 60061
PH: 847/894-5650 FAX: 847/894-0095

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 333 (IL ROUTE 120)

SECTION: BACON RD.-CEDAR LAKE RD. LAKE COUNTY
PROJECT JOB NO. R-91-025-02
STATION 132+07.01 TO STATION 707+07.07
(IL ROUTE 120) (CEDAR LAKE ROAD)
SCALE: 1" = 300' SHEET 2 OF 5

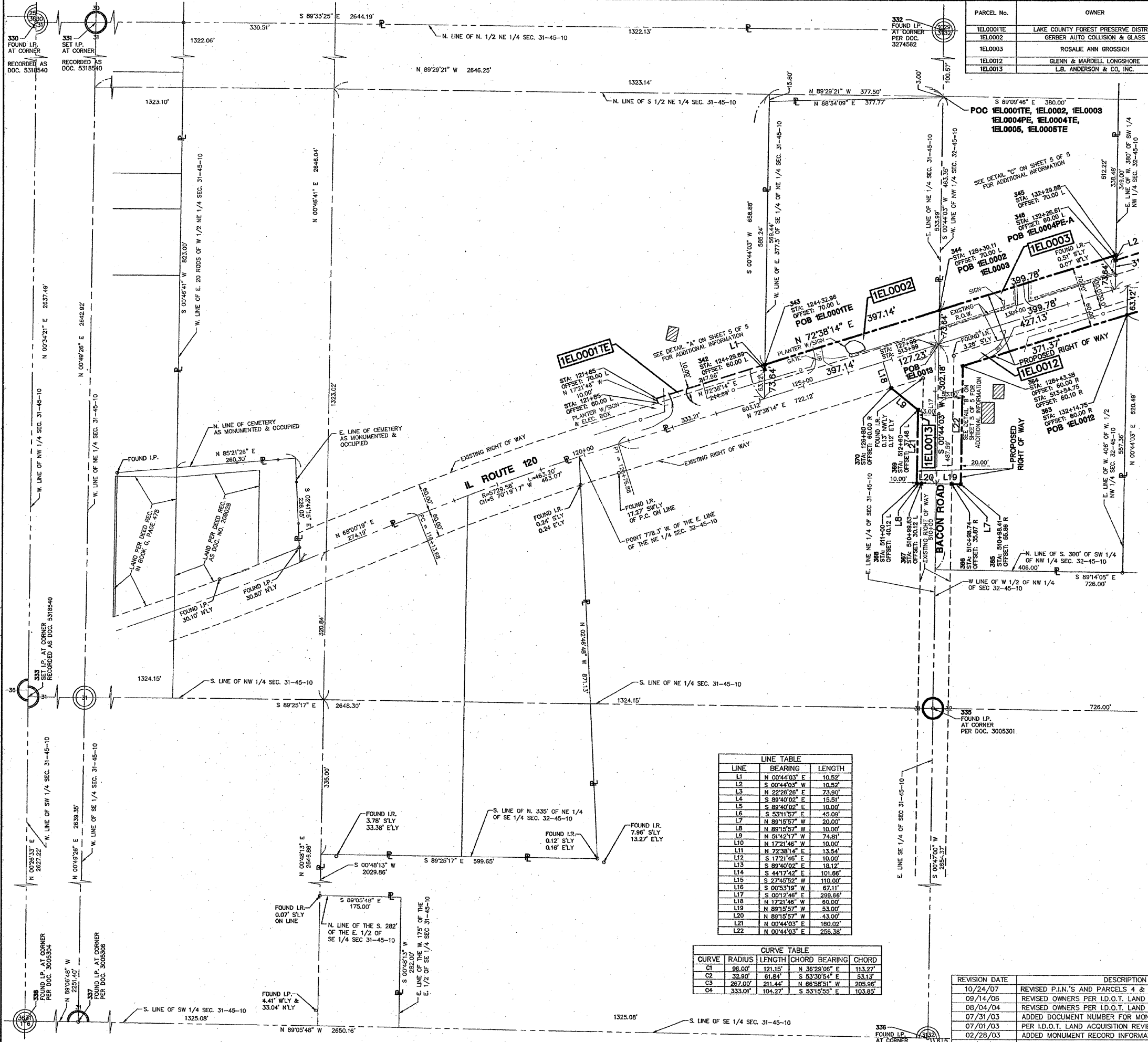
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE	DESCRIPTION	BY
10/25/07	REVISED P.I.N.'S AND PARCELS 4 & 5 PER I.D.O.T.	J.D.C.
08/04/04	REVISED OWNERS PER I.D.O.T. LAND ACQUISITION REVIEW	T.J.M.
04/28/04	PER I.D.O.T. LAND ACQUISITION REVIEW	R.Y.P.
07/31/03	ADDED DOCUMENT NUMBER FOR MONUMENT RECORDS	R.Y.B.
07/01/03	PER I.D.O.T. LAND ACQUISITION REVIEW	R.Y.B.
02/28/03	ADDED MONUMENT RECORD INFORMATION & RECOVERY TIES	M.S.U.
11/22/02	PER I.D.O.T. LAND ACQUISITION REVIEW	M.S.U.

RECORDING: RECORDED ON AS DOCUMENT NO.

R.O.W. PLAT	MADE	CHECKED	INKED	DATE

Dig Name: P:\root\0077 Projects\SB2\wg\Surv\Final Drawings\Plat of Highway\0077-02-02.dwg Updated By: jross Oct 26, 2007 1:34:48



PARCEL No.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1E10001E	LAKE COUNTY FOREST PRESERVE DISTRICT	74.566	-	-	74.566	0.057	06-31-200-022	CONSTRUCTION	
1E10002	GERBER AUTO COLLUSION & GLASS	5.100	0.638	0.274	4.462	-	06-31-200-028		
1E10003	ROSALIE ANN GROSSICH	10.023	0.642	0.275	9.381	-	06-32-100-024		
1E10012	GLENN & MARDELL LONGSHORE	5.164	0.890	0.503	4.274	-	06-32-100-033		
1E10013	L.B. ANDERSON & CO, INC.	86.555	0.435	0.339	86.120	-	06-31-400-002		

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSHED WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON PIPE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- M STAKING OR 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 COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- MAILBOX
- SIGN
- 2 POST SIGN
- CHAINLINK FENCE
- WOOD FENCE
- WIRE FENCE

STATE OF ILLINOIS)
 COUNTY OF LAKE) SS

I, TIMOTHY J. MURPHY, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 31 AND 32, TOWNSHIP 45 NORTH RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, ILLINOIS; 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 VERNON HILLS, ILLINOIS THIS 24TH DAY OF OCTOBER A.D., 2007.

Timothy J. Murphy
 ILLINOIS PROFESSIONAL LAND SURVEYOR No. 2870
 EXPIRES NOVEMBER 30, 2008

TIMOTHY J. MURPHY
 ILLINOIS PROFESSIONAL LAND SURVEYOR
 NO. 2870
 VERNON HILLS, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINTS PID A2870 AND A3081 WERE RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".
 COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99998565

LINE TABLE

LINE	BEARING	LENGTH
L1	N 00°44'03" E	10.52'
L2	S 00°44'03" W	10.52'
L3	N 22°26'26" E	73.80'
L4	S 89°40'02" E	15.51'
L5	S 89°40'02" E	10.00'
L6	S 53°11'57" E	45.09'
L7	N 88°15'57" W	20.00'
L8	N 88°15'57" W	10.00'
L9	N 51°42'17" W	74.81'
L10	N 17°21'48" E	10.00'
L11	N 72°38'14" E	13.54'
L12	S 17°21'48" E	10.00'
L13	S 89°40'02" E	18.12'
L14	S 44°17'42" E	101.66'
L15	S 27°45'52" W	110.00'
L16	S 00°53'19" W	67.11'
L17	S 00°12'48" E	298.68'
L18	N 17°21'48" W	60.00'
L19	N 88°15'57" W	53.00'
L20	N 88°15'57" W	43.00'
L21	N 00°44'03" E	160.02'
L22	N 00°44'03" E	256.38'

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	96.00'	121.15'	N 36°29'06" E	113.27'
C2	32.90'	61.84'	S 53°30'54" E	53.13'
C3	267.00'	211.44'	N 66°58'51" W	205.96'
C4	333.01'	104.27'	S 53°15'55" E	103.85'

BY	DATE

RECEIVED
 OCT 25 2007
 PLATS & LEGALS

MANHARD CONSULTING ENGINEERS • SURVEYORS • PLANNERS
 900 WOODLANDS PARKWAY VERNON HILLS, IL 60061
 PH: 847/634-6550 FAX: 847/634-0565

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 333 (IL ROUTE 120)

SECTION: BACON RD.-CEDAR LAKE RD. LAKE COUNTY
 PROJECT JOB NO. R-91-025-02
 STATION 121+85 TO STATION 132+14.75
 SCALE: 1" = 100' SHEET 3 OF 5

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

RECORDING: RECORDED ON _____ AS DOCUMENT NO. _____

Dwg Name: P:\Vidoc\1007\Prop\847\847\Final\Drawings\Plat of Highway\1007-847-0304.dwg Updated By: jross Oct 24, 2007 - 13:37

PARCEL No.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
1EL0003	ROSALIE ANN GROSSICH	10.023	0.642	0.275	9.381	-	06-32-100-002	-	-
1EL0004PE-A	LAKE COUNTY FOREST PRESERVE DISTRICT	220.228	0.000	0.376	219.852	0.346	08-29-300-001	PERMANENT	-
1EL0004PE-B						0.320	08-29-300-003	PERMANENT	-
1EL0004TE						0.030	08-30-200-041	CONSTRUCTION	-
1EL0005, 1EL0005TE	ELLIOT W. FRANKLLC	5.367	1.103	0.376	4.264	0.003 (151sq.ft.)	06-32-100-023	CONSTRUCTION	-
1EL0006	THE VILLAGE OF ROUND LAKE, AN ILL. MUNICIPAL CORP.	2.352	0.017	0	2.335	-	06-32-102-026	-	-
1EL0007	RAIL LUNA & MARIA LUIS ACOSTA	2.000	0.211	0.093	1.789	-	06-32-100-027	-	-
1EL0008	ROUND LAKE CONGREGATION OF JEHOWAH'S WITNESSES	2.443	0.693	0.392	1.750	-	06-32-100-029	-	-
1EL0009	CONDELL MEDICAL CENTER, AN ILL. NOT-FOR-PROFIT CORP.	4.973	0.605	0.363	4.368	-	06-32-100-030	-	-
1EL0010	KIM G. DENNY	15.213	0.855	0.428	14.358	-	06-32-100-012	-	-
1EL0011	MERCEDES AND JAMES IRVIN	4.943	0.464	0.232	4.479	-	06-32-100-035	-	-
1EL0012	GLENN & MARDELL LONGSHORE	5.164	0.890	0.503	4.274	-	06-32-100-033	-	-
1EL0013	L.B. ANDERSON & CO. INC.	86.955	0.435	0.339	86.120	-	06-31-400-002	-	-

REVISION DATE	DESCRIPTION	BY
11/22/02	PER I.D.O.T. LAND ACQUISITION REVIEW	M.S.U.
02/28/03	ADDED MONUMENT RECORD INFORMATION & RECOVERY TIES	M.S.U.
07/01/03	PER I.D.O.T. LAND ACQUISITION REVIEW	R.Y.B.
07/31/03	PER I.D.O.T. LAND ACQUISITION REVIEW	R.Y.B.
03/26/04	REVISED OWNER INFORMATION (1EL0011)	R.Y.P.
04/28/04	PER I.D.O.T. LAND ACQUISITION REVIEW	R.Y.P.
08/04/04	REVISED OWNERS PER I.D.O.T. LAND ACQUISITION REVIEW	T.J.M.
10/14/05	REVISED OWNERS PER I.D.O.T. LAND ACQUISITION REVIEW	SSG
09/12/06	REVISED OWNERS PER I.D.O.T. LAND ACQUISITION REVIEW	RYP
01/10/07	REVISED OWNERS PER I.D.O.T. LAND ACQUISITION REVIEW	SSG
10/25/07	REVISED P.L.N.'S AND PARCELS 4 & 5 PER I.D.O.T.	J.D.C.

LEGEND

	SECTION LINE		QUARTER SECTION CORNER
	QUARTER SECTION LINE		MAILBOX
	PLATTED LOT LINE		SIGN
	PROPERTY (DEED) LINE		2 POST SIGN
	APPARENT PROPERTY LINE		CHAINLINK FENCE
	CENTERLINE		WOOD FENCE
	EXISTING RIGHT OF WAY LINE		WIRE FENCE
	PROPOSED RIGHT OF WAY LINE		
	PROPOSED EASEMENT		
	MEASURED DIMENSION		
	COMPUTED DIMENSION		
	RECORD DATA		
	EXISTING BUILDING		
	IRON ROD SET		PK NAIL SET
	IRON PIPE OR ROD FOUND		REPLACED AFTER CONSTRUCTION
	CUT STAKE FOUND OR SET		

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON PIPE, 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.

STAKING OR 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 COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

LIGHT-STANDARD

STATE OF ILLINOIS)
 COUNTY OF LAKE)

I, TIMOTHY J. MURPHY, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 31 AND 32, TOWNSHIP 45 NORTH RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, ILLINOIS; 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 VERNON HILLS, ILLINOIS THIS 25TH DAY OF OCTOBER A.D., 2007.

Timothy J. Murphy
 TIMOTHY J. MURPHY
 ILLINOIS PROFESSIONAL LAND SURVEYOR No. 2870
 EXPIRES NOVEMBER 30, 2008

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. NGS CONTROL POINTS PID A2870 AND A13061 WERE RECOVERED AND USED FOR CONVERSIONS. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.99998565

DOT 7 SB2- 3424 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

MANHARD CONSULTING
 ENGINEERS • SURVEYORS • PLANNERS
 900 WOODLANDS PARKWAY VERNON HILLS, IL 60061
 TEL: 815/554-5550 FAX: 815/554-0085

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 333 (IL ROUTE 120)

SECTION: BACON RD.-CEDAR LAKE RD. LAKE COUNTY
 PROJECT JOB NO. R-91-025-02
 STATION 126+80 TO STATION 151+54.93
 SCALE: 1" = 100' SHEET 4 OF 5

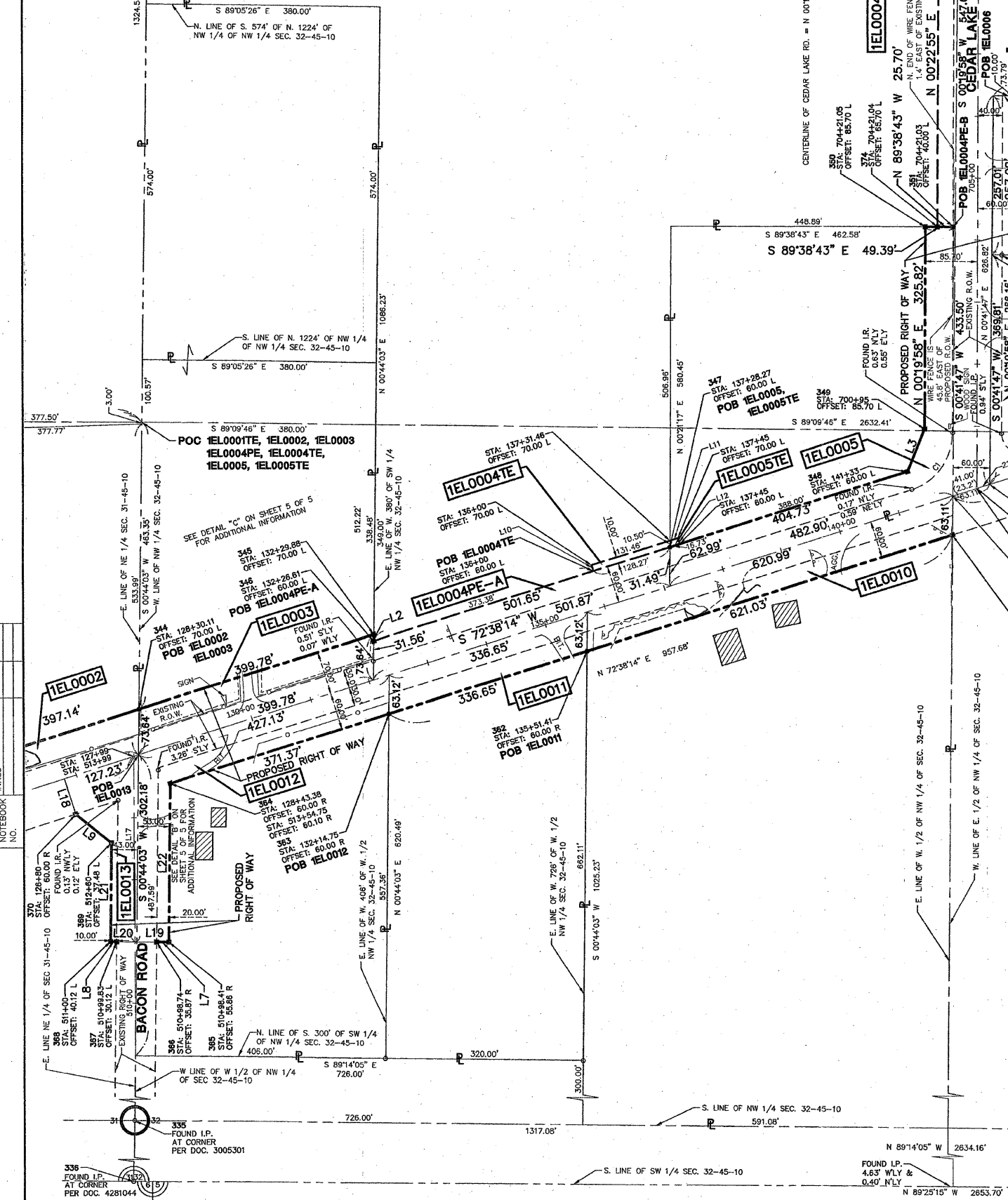
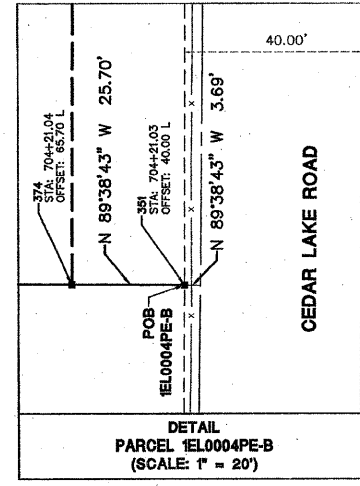
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

LINE TABLE

LINE	BEARING	LENGTH
L1	N 00°44'03" E	10.52'
L2	S 00°44'03" W	10.52'
L3	N 22°26'26" E	73.90'
L4	S 89°40'02" E	15.51'
L5	S 89°40'02" E	10.00'
L6	S 53°11'57" E	45.09'
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L20	N 89°15'57" W	43.00'
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L22	N 00°44'03" E	256.38'

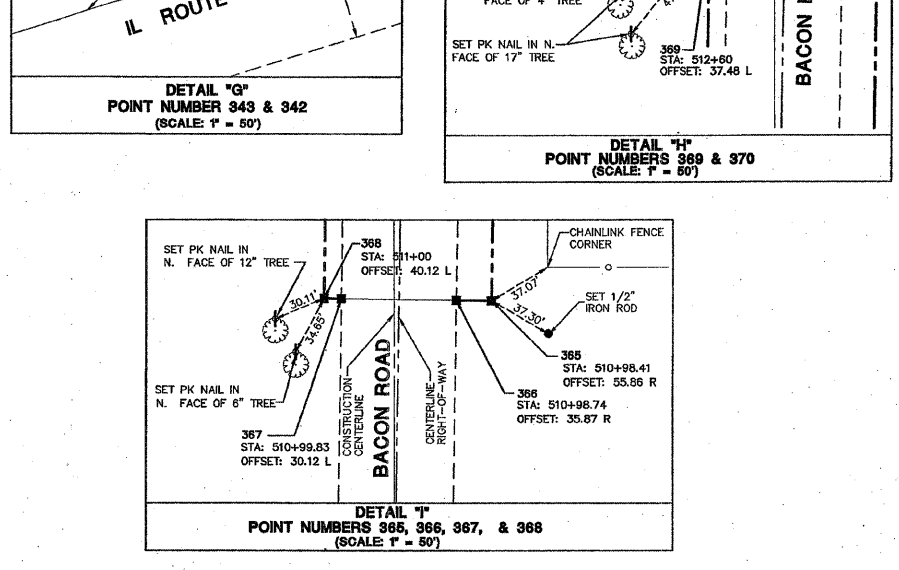
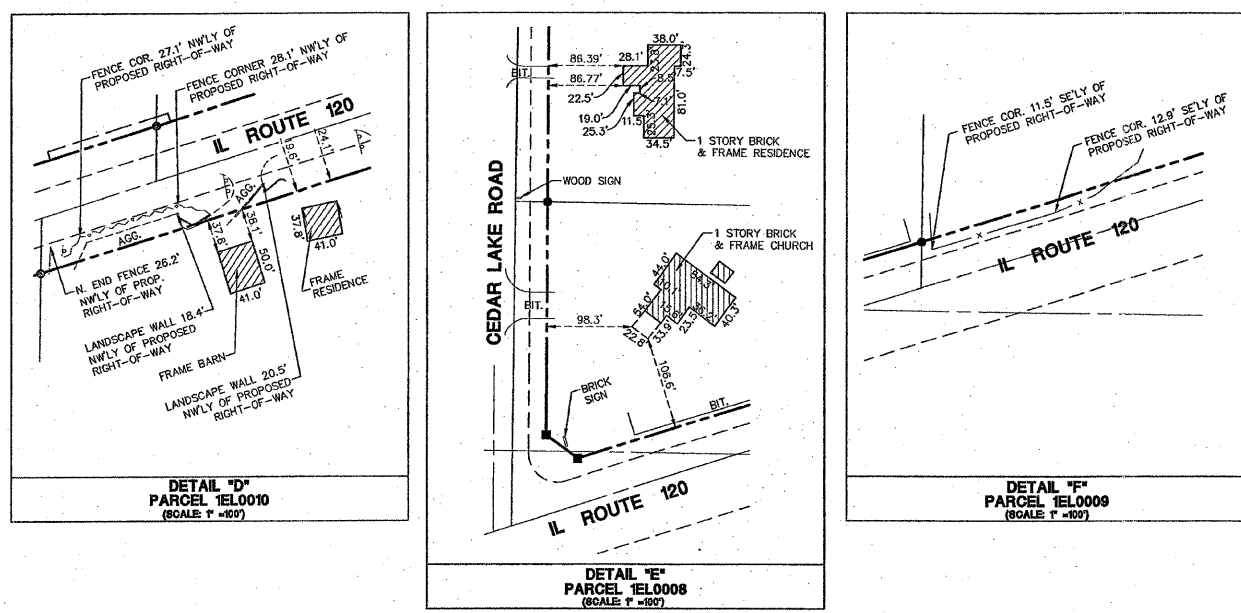
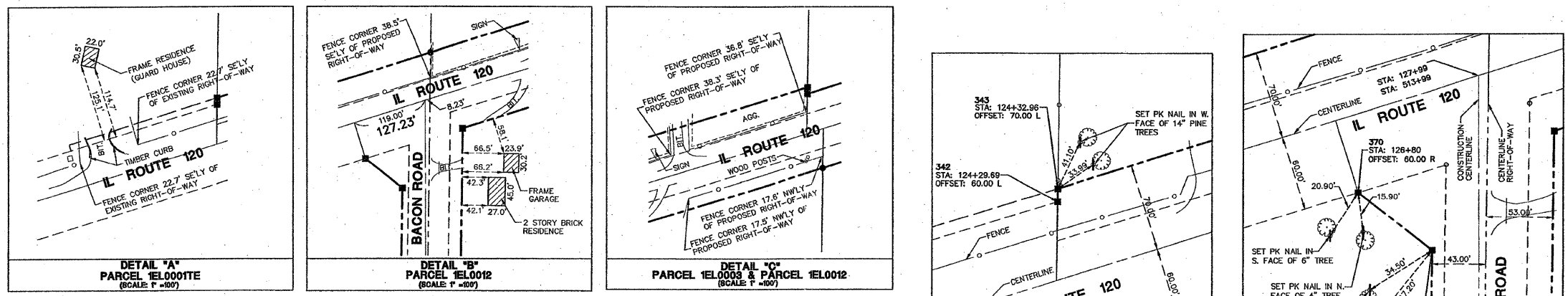
CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD	BEARING	CHORD
C1	96.00'	121.15'	N 36°29'06" E	113.27'	
C2	32.90'	61.84'	S 53°30'54" E	53.13'	
C3	267.00'	211.44'	N 66°58'51" W	205.96'	
C4	333.01'	104.27'	S 93°19'55" E	103.65'	



DATE	BY	MADE	CHECKED	INKED	NO.

R.O.W. PLAT	NOTEBOOK



LEGEND

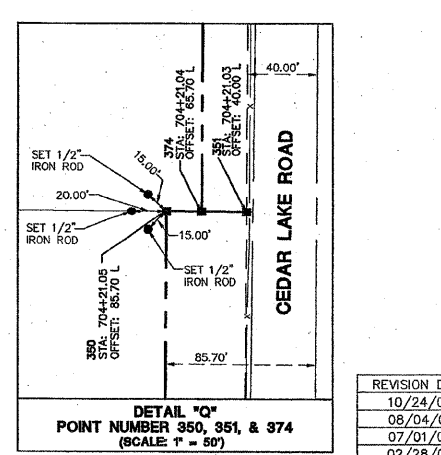
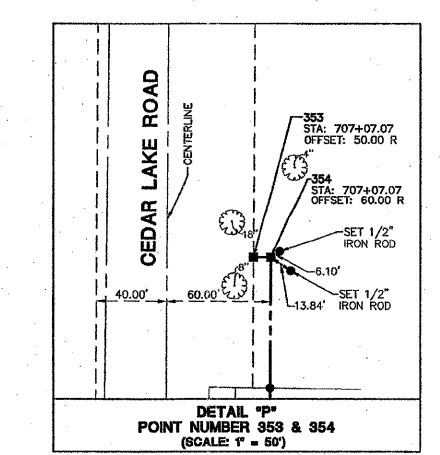
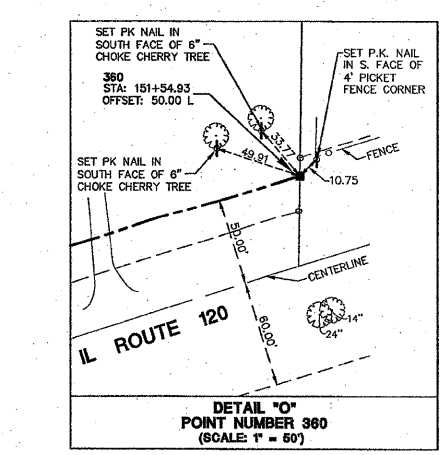
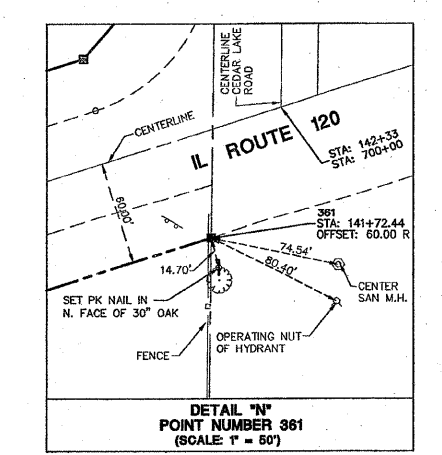
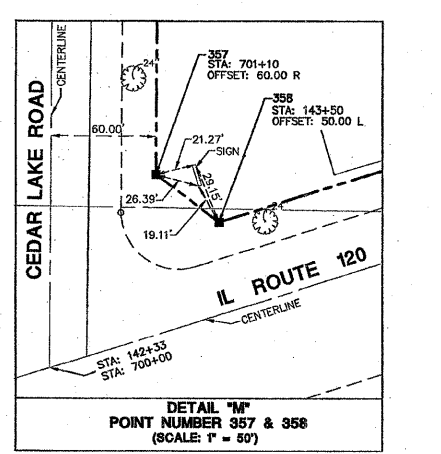
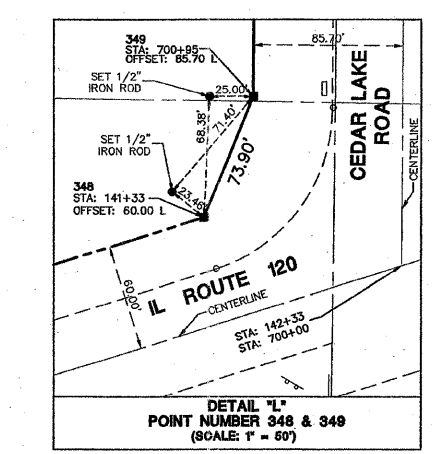
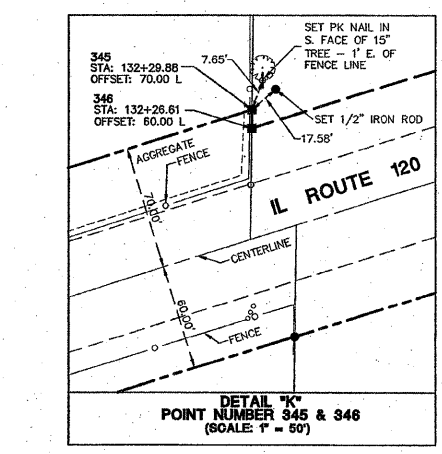
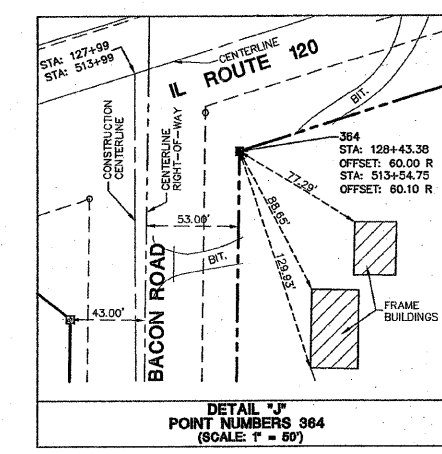
STATE OF ILLINOIS)
COUNTY OF LAKE)

I, TIMOTHY J. MURPHY, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 31 AND 32, TOWNSHIP 45 NORTH RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, ILLINOIS; 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 VERNON HILLS, ILLINOIS THIS 24TH DAY OF OCTOBER, A.D., 2007.

Timothy J. Murphy
ILLINOIS PROFESSIONAL LAND SURVEYOR No. 2870
EXPIRES NOVEMBER 30, 2008

DATE	
BY	
MADE	
CHECKED	
INVEST	
NOTEBOOK NO.	



Point No.	Northing	Easting	Point No.	Northing	Easting
330	2057616.0702	1041830.1241	353	2068848.8243	1048145.7327
331	2067598.4400	1044110.5650	354	2068848.7663	1048155.7326
332	2067577.9982	1046754.8760	355	2068774.8738	1048155.3035
333	2064978.7076	1041803.7334	356	2068517.8595	1048153.8110
334	2064955.7986	1044072.5616	357	2068251.7063	1048152.2654
335	2064929.0550	1046720.7310	358	2068224.6928	1048188.3739
336	2062274.9360	1046884.4390	359	2068307.8477	1048453.6892
337	2062318.7220	1044034.6095	360	2068464.9002	1048956.6310
338	2062351.5630	1041783.4810	361	2068086.7181	1048051.7317
339	2067538.2480	1048385.0130	362	2065881.3897	1047458.9943
340	2064893.8690	1049354.6530	363	2065780.9260	1047137.6807
341	2062248.1070	1049338.0060	364	2065670.1020	1046783.2315
342	2065861.1820	1046352.5829	365	2065413.7471	1046779.9485
343	2065671.7015	1046352.7177	366	2065414.0034	1046759.9481
344	2065790.2169	1046731.7664	367	2065414.8491	1046863.9535
345	2065909.5175	1047113.3264	368	2065414.9772	1046683.9543
346	2065898.9980	1047113.1916	369	2065574.9859	1046686.0048
347	2068048.7011	1047591.9883	370	2065621.3456	1046627.2935
348	2066169.4803	1047978.2774	371	2072879.7410	1046789.8610
349	2066237.7801	1048006.4851	372	2072912.3110	1044154.7920
350	2066563.5946	1048008.3775	373	2070218.7816	1046781.6127
351	2066563.3116	1048054.0732	374	2068563.4708	1048028.3771

STATE PLANE COORDINATE TABLE FOR CENTERLINE STATIONS ON IL ROUTE 120

STATION	NORTHING	EASTING
121+00	2065505.2679	1046036.0779
152+00	2066430.3343	1049014.7248

MANHARD CONSULTING ENGINEERS - SURVEYORS - PLANNERS
900 WOODLANDS PARKWAY VERNON HILLS, IL 60061
TEL: 847/934-0550 FAX: 847/934-0085

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 333 (IL ROUTE 120)
SECTION: BACON RD.-CEDAR LAKE RD. LAKE COUNTY
PROJECT JOB NO. R-91-025-02
(IL ROUTE 120) TO STATION 707+07.07
SCALE: 1" = 100' SHEET 5 OF 5

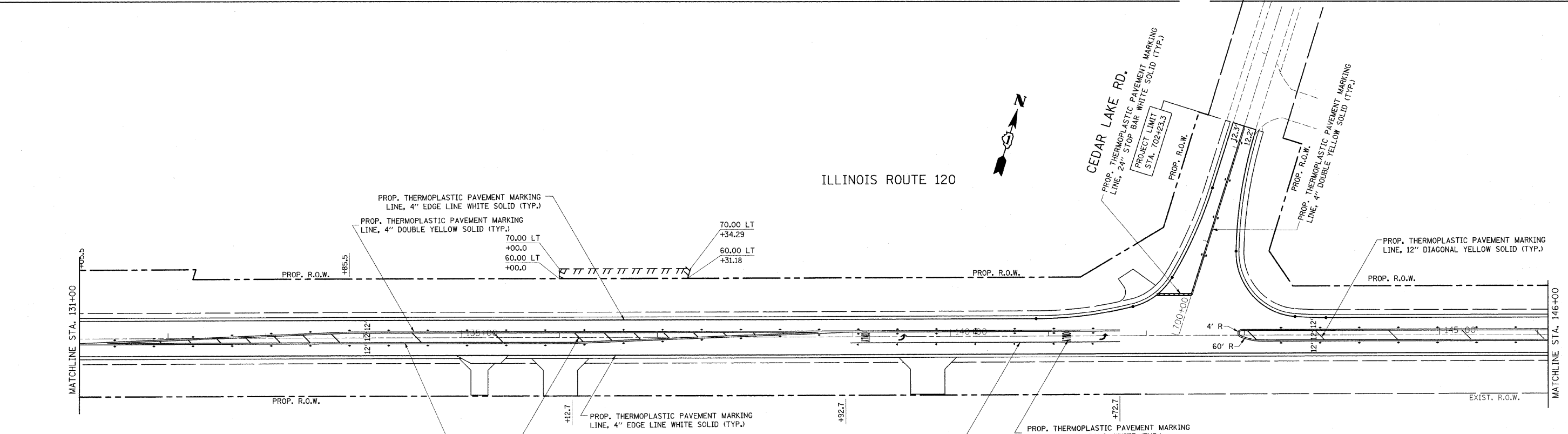
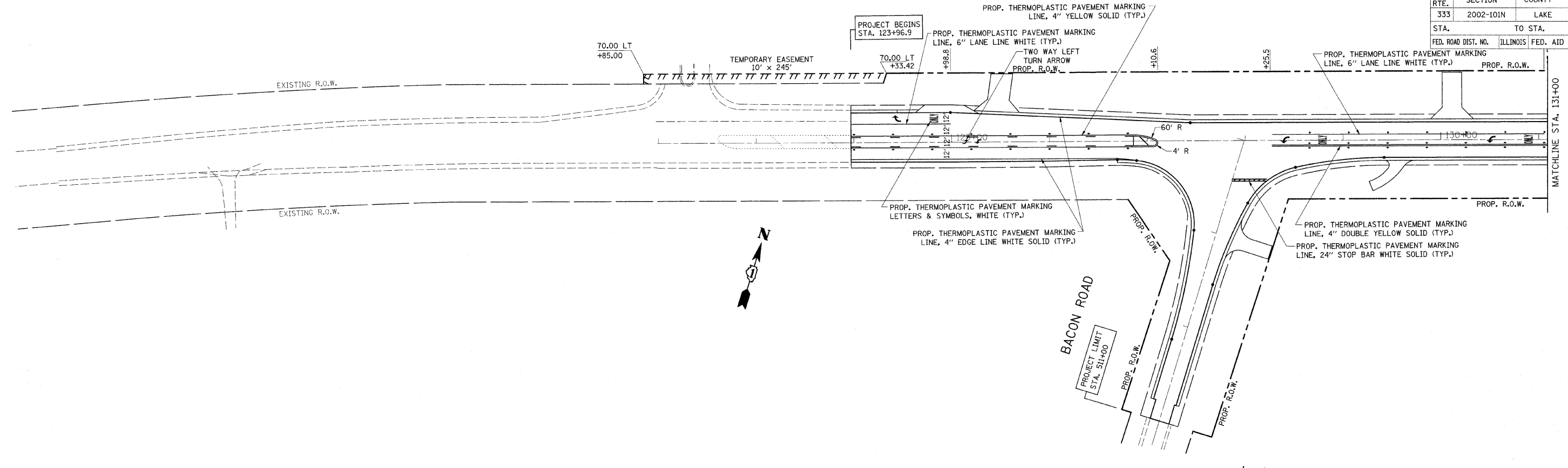
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

REVISION DATE	DESCRIPTION	BY
10/24/07	REVISED P.L.N.'S AND PARCELS 4 & 5 PER I.D.O.T.	J.D.C.
08/04/04	PER I.D.O.T. LAND ACQUISITION REVIEW	T.J.M.
07/01/03	PER I.D.O.T. LAND ACQUISITION REVIEW	R.Y.B.
02/28/03	ADDED MONUMENT RECORD INFORMATION & RECOVERY TIES	M.S.U.
11/22/02	PER I.D.O.T. LAND ACQUISITION REVIEW	M.S.U.

RECORDING: RECORDED ON

AS DOCUMENT NO.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE PLACED THROUGHOUT THE IMPROVEMENT LIMITS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL. ROUTE 120
@ CEDAR LAKE RD.
PAVEMENT MARKING PLAN**

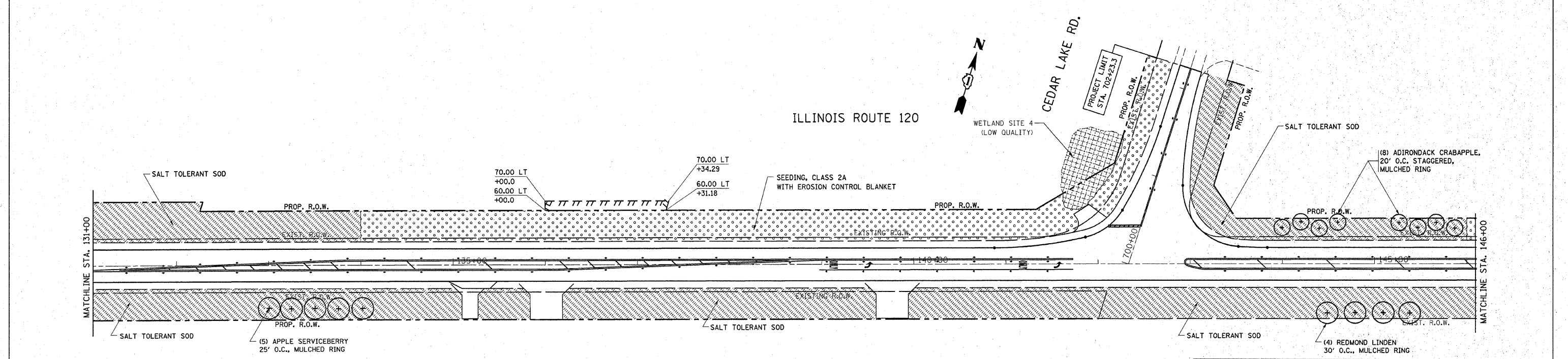
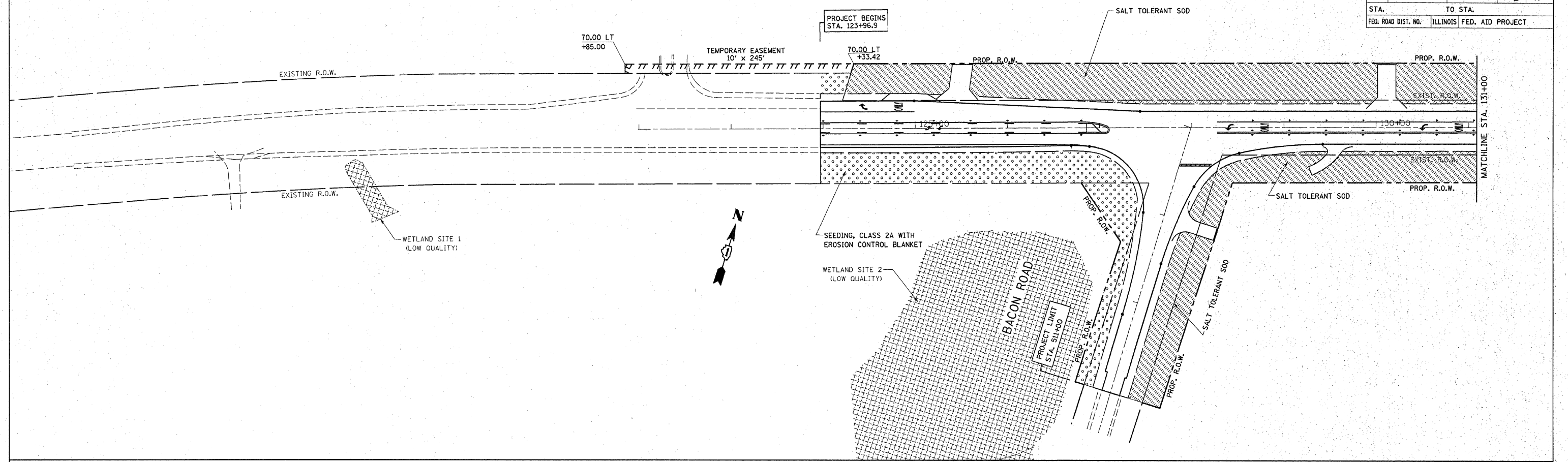
SCALE: VERT. 1"=50'
HORIZ. DATE 12/17/2008

DRAWN BY
CHECKED BY

PLOT DATE = 12/17/2008
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PLOT SCALE = 1/8"=1'-0"
USER NAME = jburdick

*REF-lan01
*REF-lan02

CONTRACT NO. 62514				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

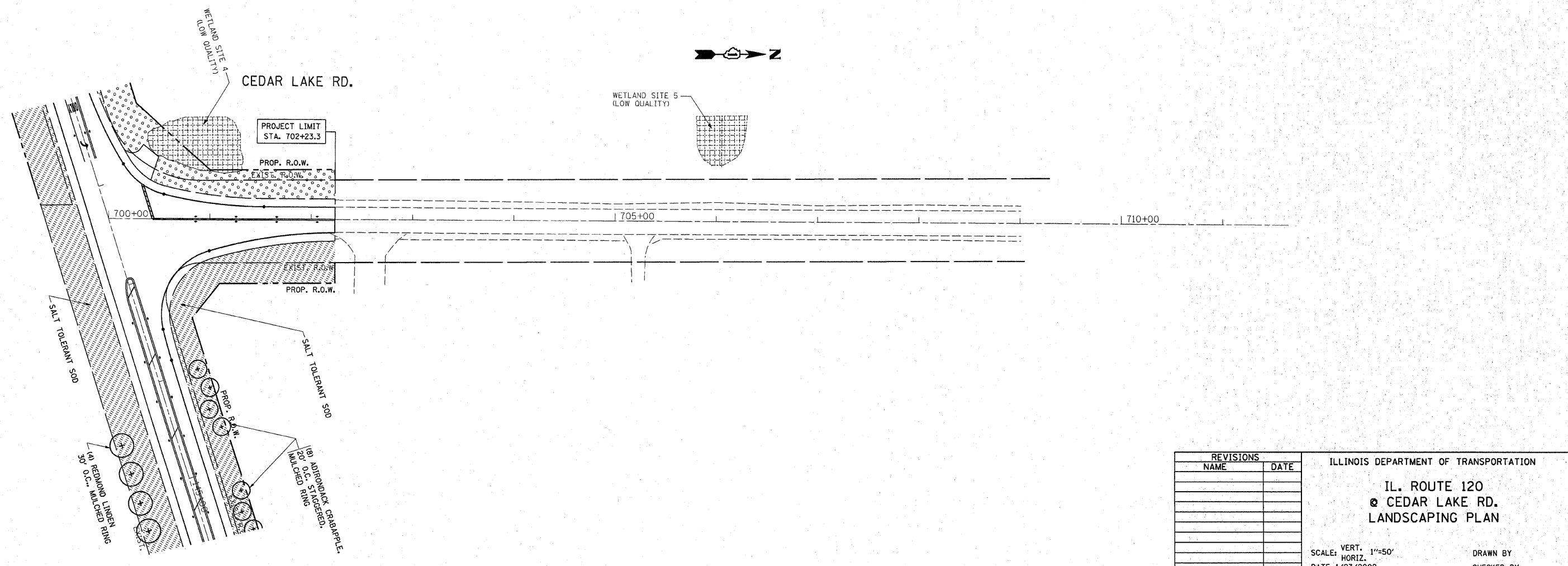
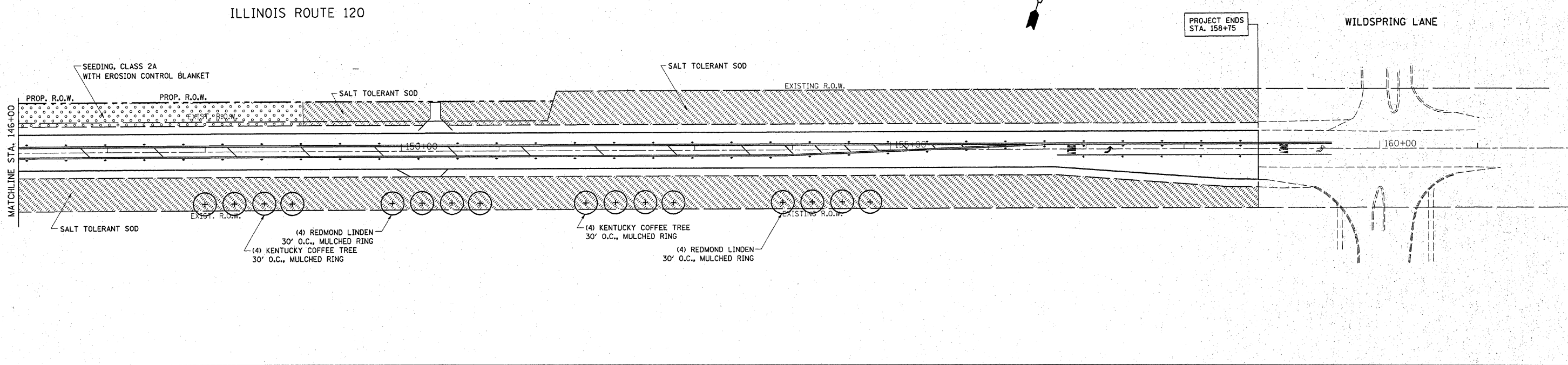
**IL. ROUTE 120
CEDAR LAKE RD.
LANDSCAPING PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/23/2009

DRAWN BY
CHECKED BY

PLOT DATE = 1/23/2009
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PLOT SCALE = 49.9999 / IN.
USER NAME = msjup

CONTRACT NO. 62514				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	#2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL. ROUTE 120
• CEDAR LAKE RD.
LANDSCAPING PLAN

SCALE: VERT. 1"=50'
 SCALE: HORIZ. 1"=50'
 DATE 1/23/2009

DRAWN BY
 CHECKED BY

PLOT DATE = 1/23/2009
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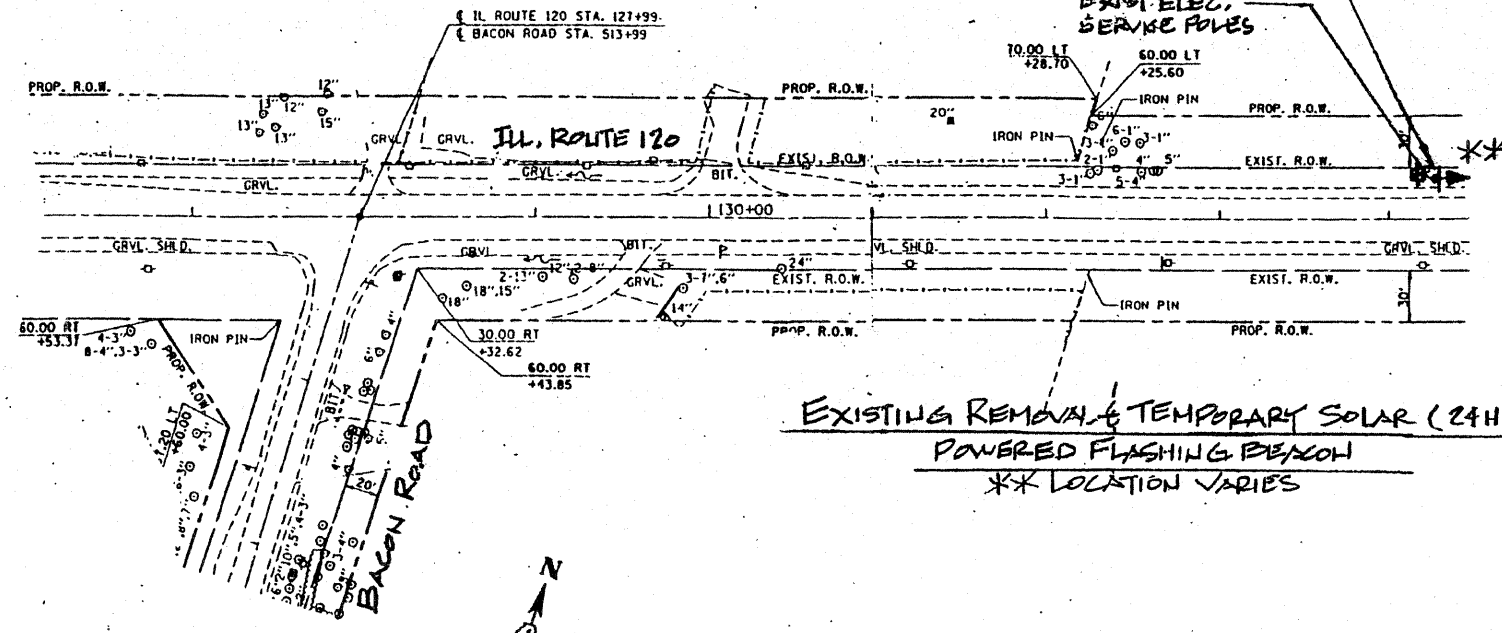
SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
* -	Post Mounted Flashing Beacon - Solar Powered Installation	EACH	1

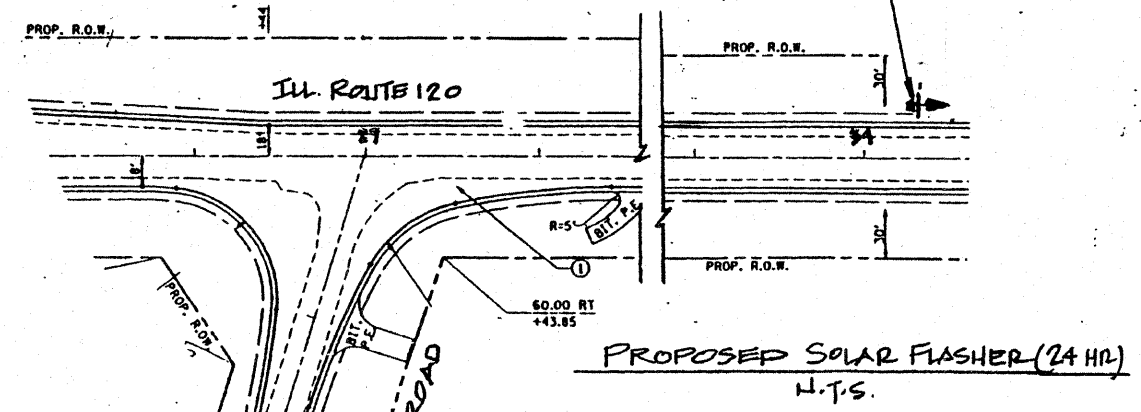
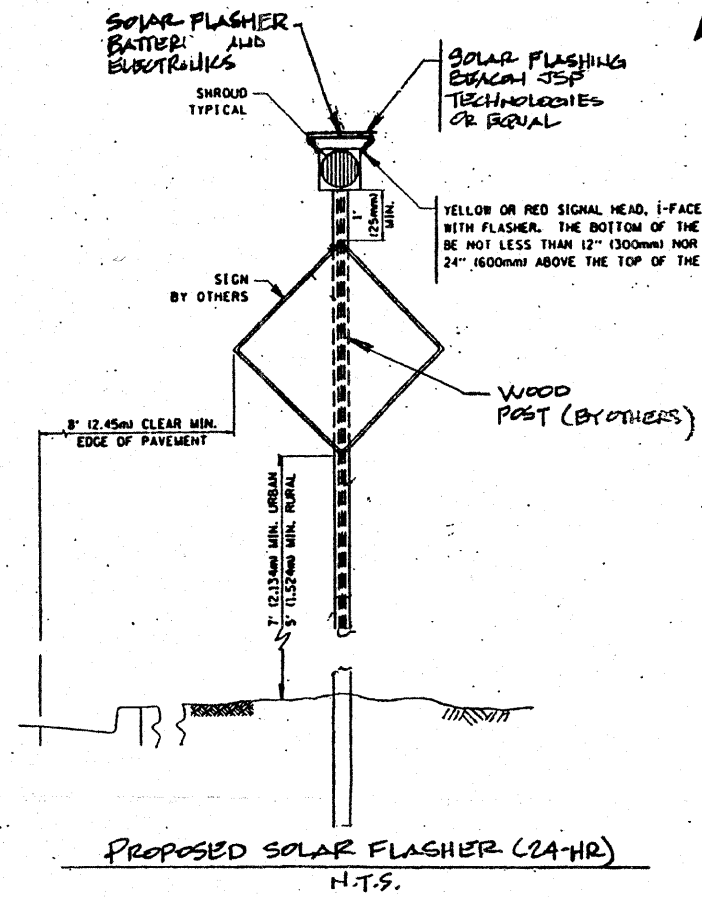
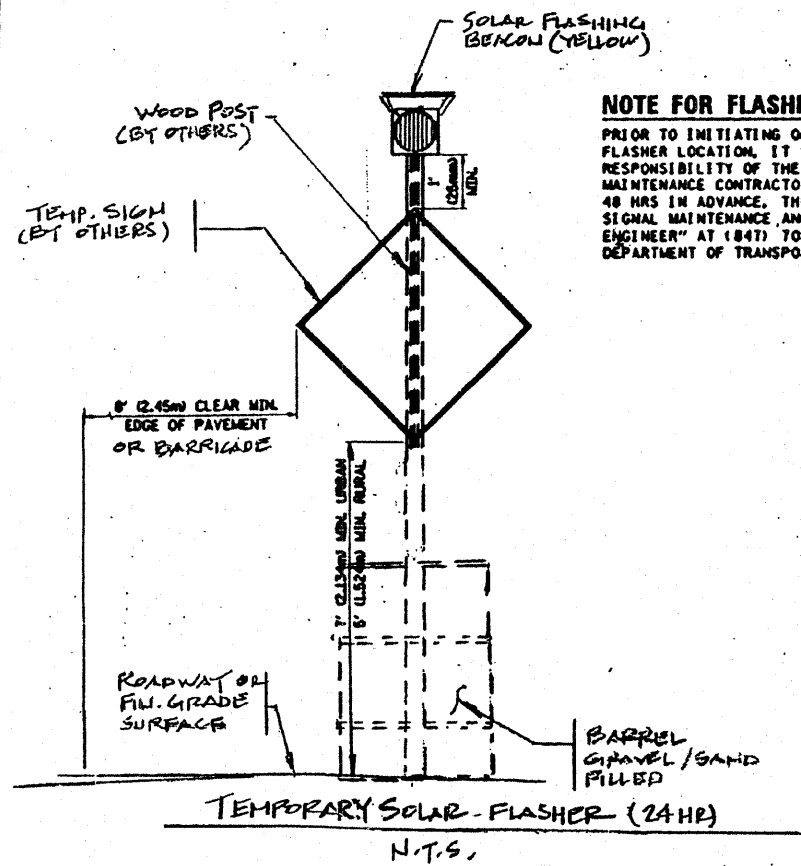
* INCLUDES COST TO MAINTAIN TEMP. FLASHER AND REMOVAL OF EXIST. WITH COST FOR PERMANENT SOLAR POWERED FLASHER INSTALLATION.

CONTRACT NO.			
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
333	2002-101N	LAKE	75
STA.	TO STA.		SHEET NO.
			43
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

CONTRACTOR SHALL REMOVE THE EXISTING FLASHER AND POST. COST OF REMOVAL IS INCIDENTAL TO COST OF TEMP. SOLAR FLASHER.



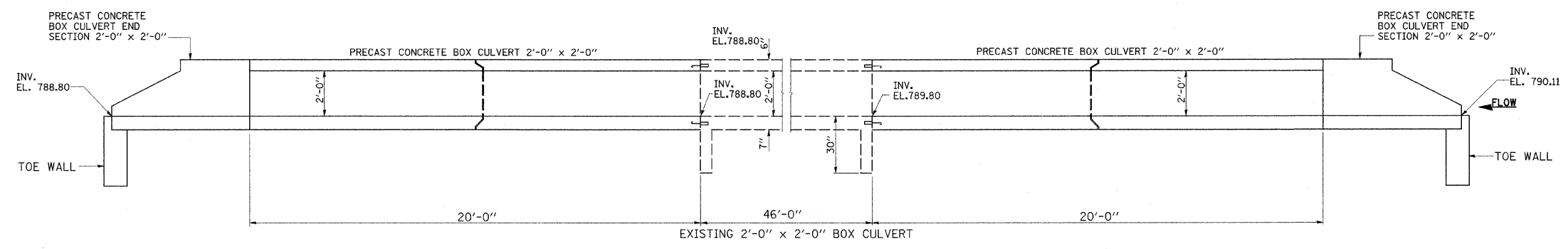
EXISTING REMOVAL & TEMPORARY SOLAR (24HR) POWERED FLASHING BEACON
** LOCATION VARIES



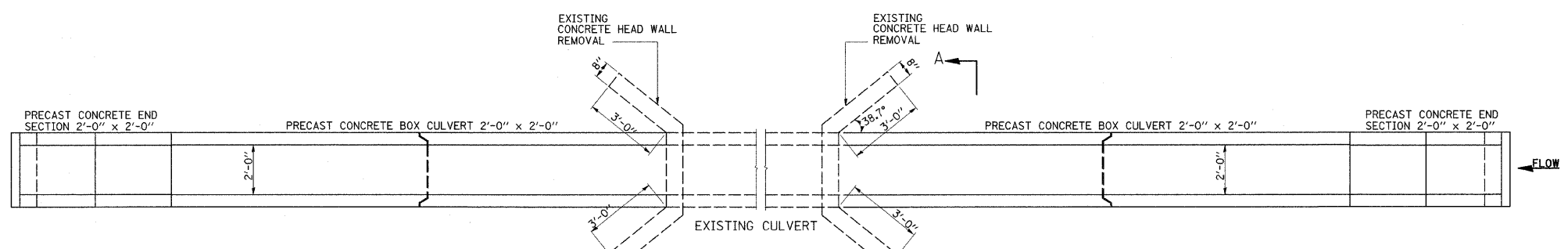
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TEMPORARY & PROPOSED FLASHER ILL. ROUTE 120 AT BACON ROAD SCALE: VERT. 1"=10' DATE: AUG. 2006 DRAWN BY: J.B. CHECKED BY: D.P.

F. A. P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	200-101N	LAKE	75	44
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62514		D-91-295-02		

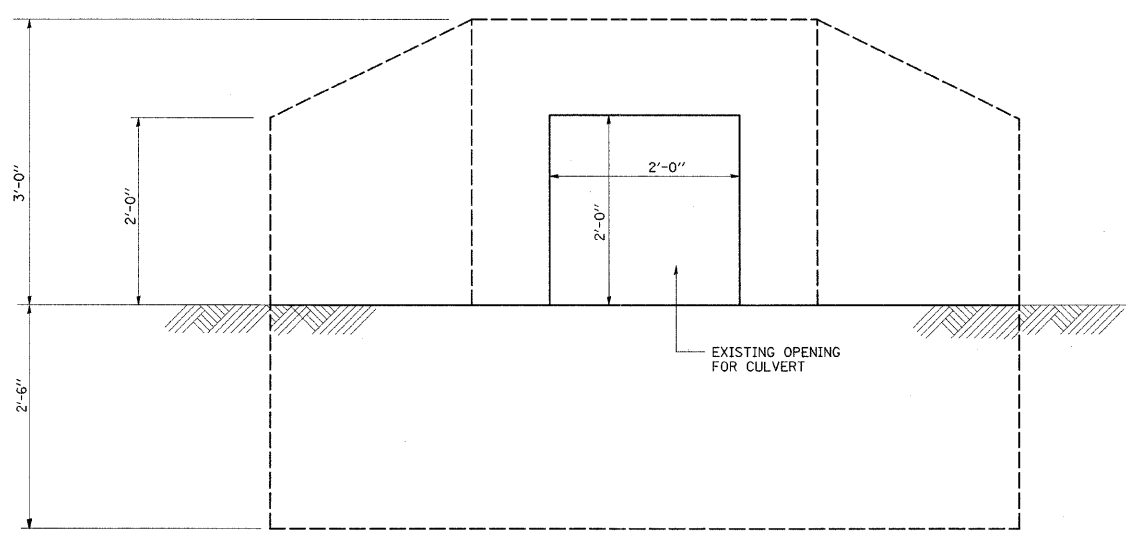
SHEET S1 OF S2



ELEVATION



PLAN



VIEW ON A-A (EXISTING HEAD WALL)

ITEM	UNIT	QUANTITY
PRECAST CONCRETE BOX CULVERT 2'x2'	FOOT	40
PRECAST CONCRETE BOX CULVERT END SECTIONS 2' x 2'	EACH	2
CONCRETE HEAD WALL REMOVAL	EACH	2

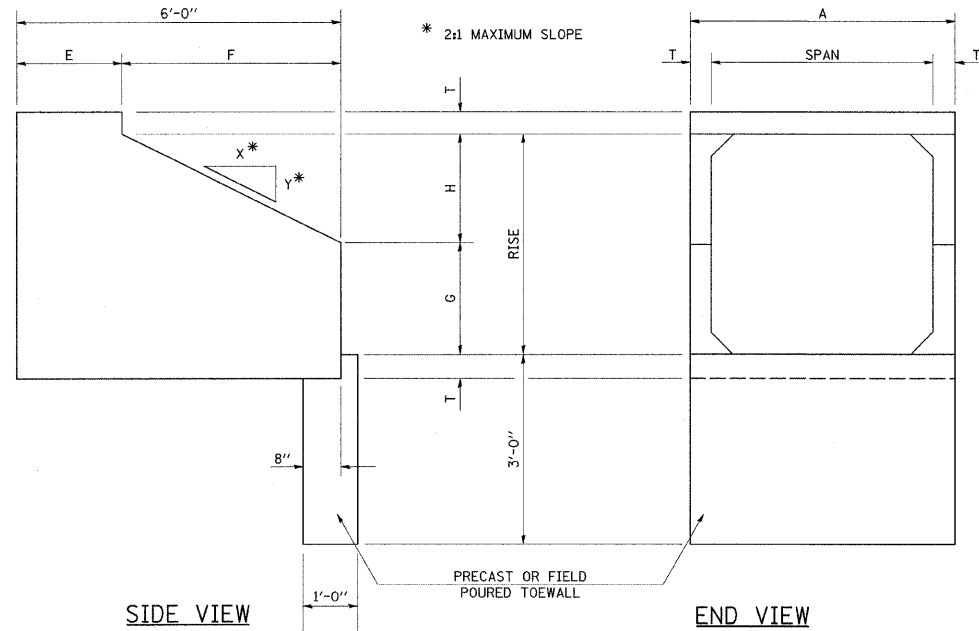
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ILLINOIS ROUTE 120 AT
 BACON ROAD AND CEDAR LAKE ROAD
 PRECAST CONCRETE BOX CULVERT
 SECTIONS AND DETAILS**
 SCALE: NONE DRAWN BY: MVT
 DATE: OCTOBER 13, 2006 CHECKED BY: RSS

12/22/2008 cd@pw...work@pw\idol\tdy\c\p\ms93964\test\gn...ca.dgn

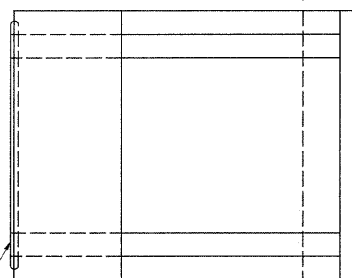
CONTRACT NO. 62514				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SHEET S2 OF S2

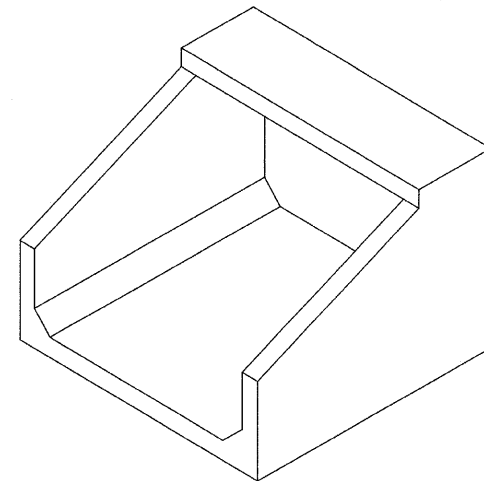


SIDE VIEW

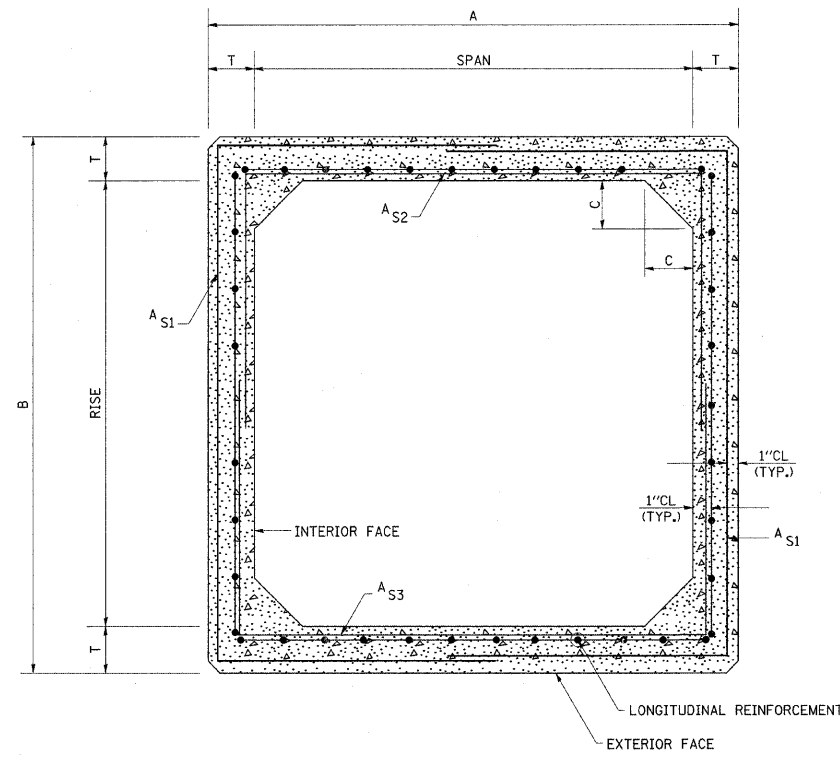
END VIEW



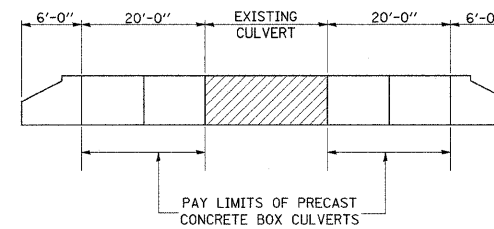
PLAN



ISOMETRIC VIEW



CROSS SECTION



GENERAL NOTES

- PRECAST CONCRETE BOX CULVERT AND PRECAST CONCRETE BOX CULVERT END SECTIONS
- THIS WORK CONSISTS OF FURNISHING AND INSTALLING PRECAST BOX CULVERTS AND BOX CULVERT END SECTIONS AS SHOWN ON THE PLANS AND SPECIFIED HEREIN.
 - IF THE EARTH COVER IS 2 FEET OR MORE, THE PRECAST CONCRETE BOX CULVERT SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C789 (AASHTO M-259) EXCEPT THAT THE GRADATION OF THE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF ARTICLES 1003.02 AND 1004.2 OF THE STANDARD SPECIFICATION.
 - IF THE EARTH COVER IS LESS THAN 2 FEET, THE PRECAST BARREL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C850 AND THE END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C789, WITH THE EXCEPTION OF GRADATION, THE AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ARTICLES 1003.02 OF THE STANDARD SPECIFICATIONS.
- CONSTRUCTION OF PRECAST BOX CULVERTS AND BOX CULVERT
- END SECTIONS SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF ARTICLE 540 OF THE STANDARD SPECIFICATION.
- THE EXCAVATION AND BACKFILLING FOR PRECAST CONCRETE BOX CULVERT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 502 OF THE STANDARD SPECIFICATIONS EXCEPT A LAYER OF POROUS GRANULAR BACKFILL AT LEAST 6 INCHES IN THICKNESS, SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF THE BOX. THE POROUS GRANULAR BACKFILL SHALL BE PLACED TO EXTEND AT LEAST 2 FEET EACH SIDE OF THE BOX. THE PRECAST CONCRETE BOX CULVERT SHALL BE LAID IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ARTICLE 542.04 (d) OF THE STANDARD SPECIFICATIONS.
- WHEN THE MASTIC JOINT SEALER OPTION IS USED TO FILL THE JOINTS ON PRECAST CONCRETE BOX CULVERTS, FILTER FABRIC WITH A MINIMUM WIDTH OF 2 FOOT SHALL BE PLACED OVER THE JOINT ON THE SIDES AND TOP. THE MASTIC JOINT SEALER SHALL BE SPREAD A MINIMUM OF 1 FEET WIDE ON EACH SIDE OF THE TOP AND SIDE JOINTS BEFORE PLACING THE FILTER FABRIC. THE FILTER FABRIC SHALL CONFORM TO ARTICLE 1080.03 OF THE STANDARD SPECIFICATION. THE COST WILL BE INCLUDED IN THE PRECAST CONCRETE BOX CULVERT.
- REINFORCEMENT FOR THE PRECAST BOX CULVERT, AND THE BOX CULVERT END SECTIONS AND CONNECTION DETAILS TO THE EXISTING BOX CULVERT SHALL BE DESIGNED AND SHALL BE SIGNED BY AN ILLINOIS REGISTERED STRUCTURAL ENGINEER. SHOP PLANS SHOWING DETAILS FOR THE PRECAST CONCRETE BOX CULVERT SECTIONS AND THE END SECTIONS AND CONNECTIONS FOR THE EXTENSIONS SHALL BE PREPARED AND SIGNED BY AN ILLINOIS REGISTERED STRUCTURAL ENGINEER AND SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL.
- THE PRECAST CONCRETE BOX CULVERT EXCLUDING END SECTIONS
- WILL BE MEASURED ON A FOOT BASIS. THE PRECAST CONCRETE BOX CULVERT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PRECAST CONCRETE BOX CULVERT, OF THE SIZE SPECIFIED, AND INCLUDES POROUS GRANULAR BACKFILL EXCAVATION EXCEPT EXCAVATION OF ROCK AND/OR UNSTABLE OR UNSUITABLE MATERIAL BELOW BEDDING GRADE.
- THE PRECAST CONCRETE BOX CULVERT END SECTION WILL BE
- MEASURED ON AN EACH BASIS. THE END SECTIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BOX CULVERT END SECTIONS, OF THE CULVERT NUMBER SPECIFIED, AND INCLUDE EXCAVATION, TOEWALL AND COLLARS.

DIMENSIONS (FOR ASTM C789) *

SPAN X RISE (FEET)	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE (Y:X)
2X2	4	2-8	2-8	0	3-0	3-0	1-0	1-0	3:1

* ALL DIMENSIONS SHOULD BE VERIFIED WITH SUPPLIER

REVISIONS	
NAME	DATE

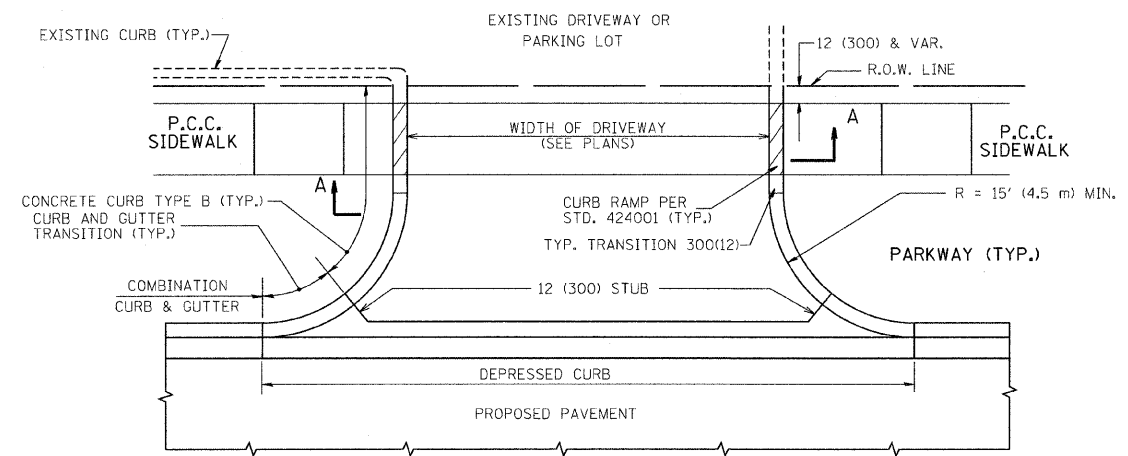
ILLINOIS DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERTS AND END SECTIONS

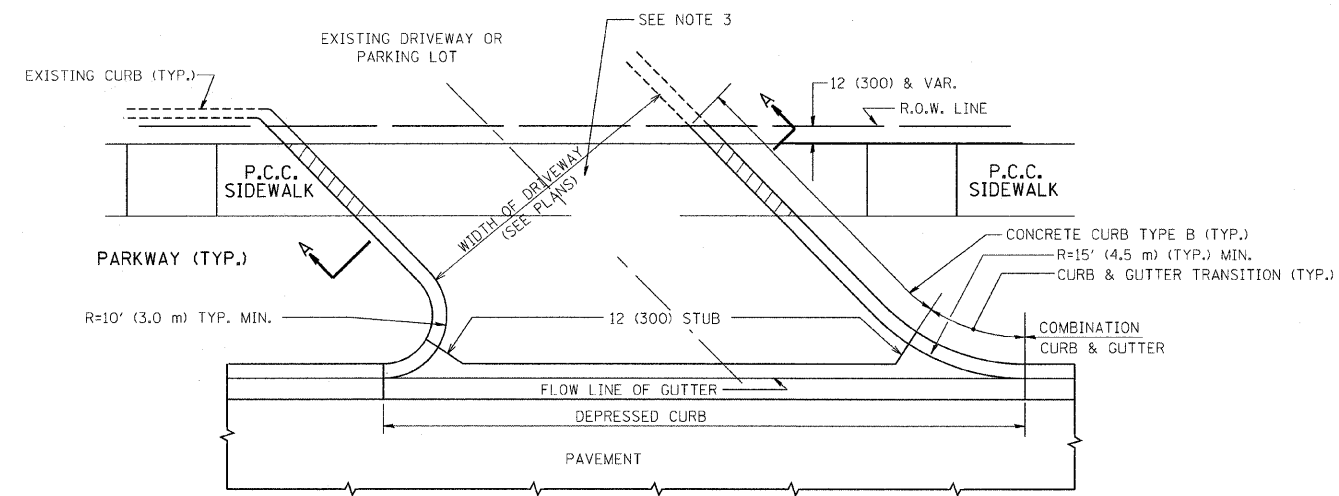
SCALE: NONE
DATE: 12/22/2008

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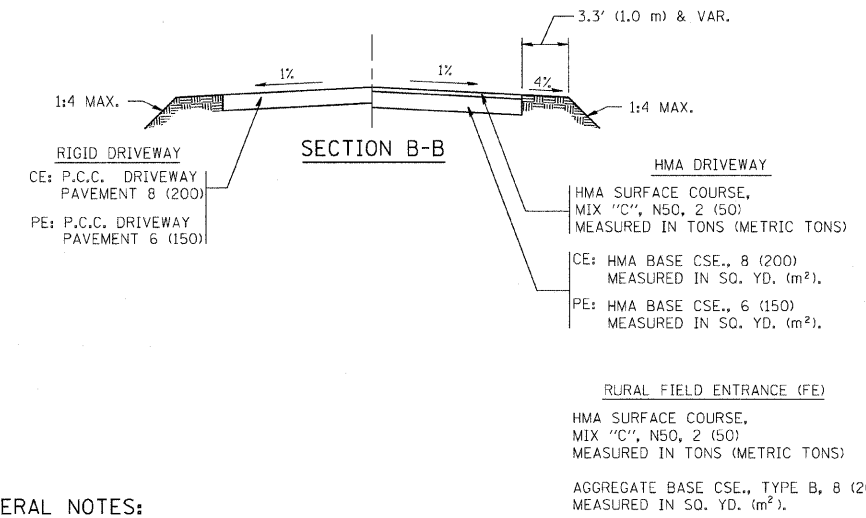
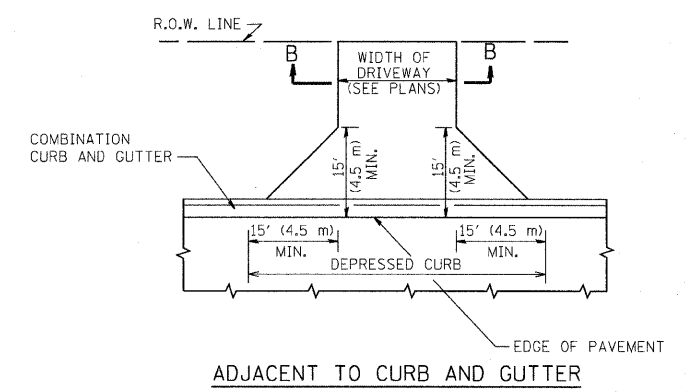
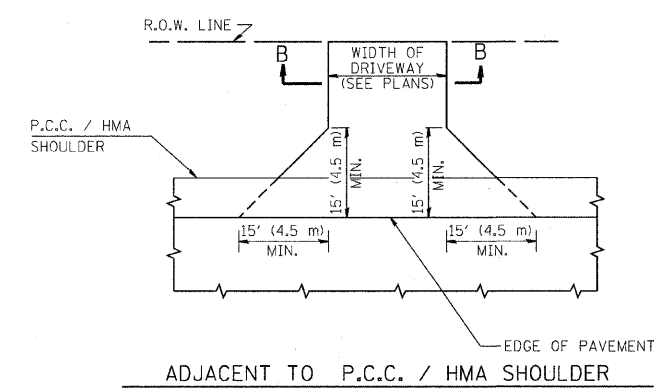
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	46
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

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

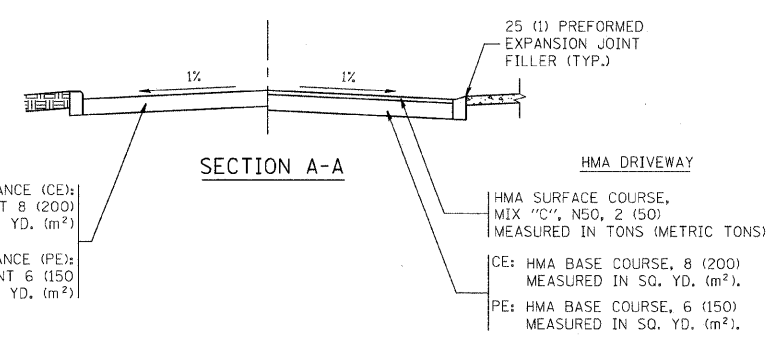
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LOFLEUR	04-15-03
R. BORO	01-01-07
R. BORO	06-11-08

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: VERT. NONE

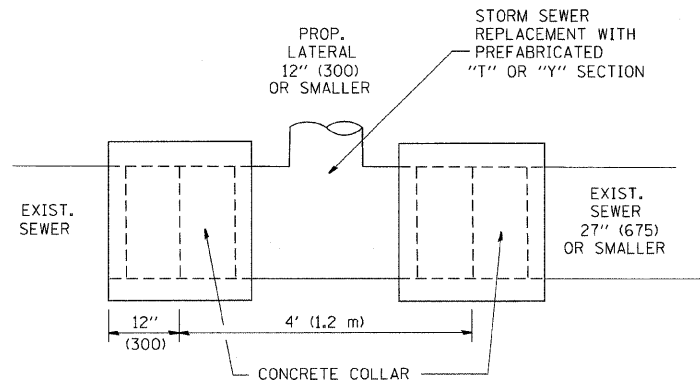
HORIZ. NONE

DRAWN BY

CHECKED BY

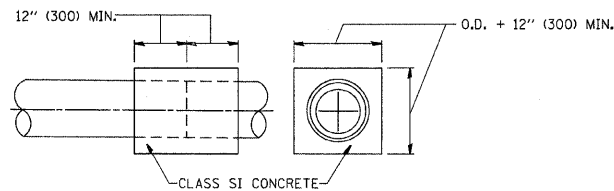
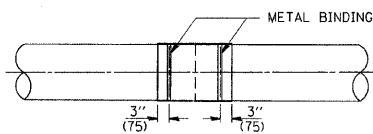
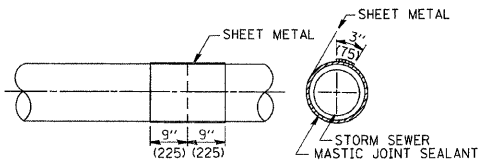
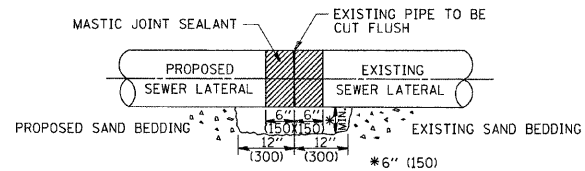
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 USER NAME = bauerd

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	47
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DETAIL "A"

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

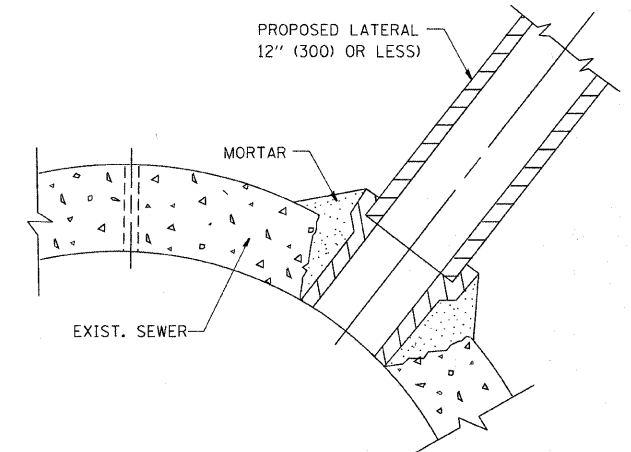


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

- PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

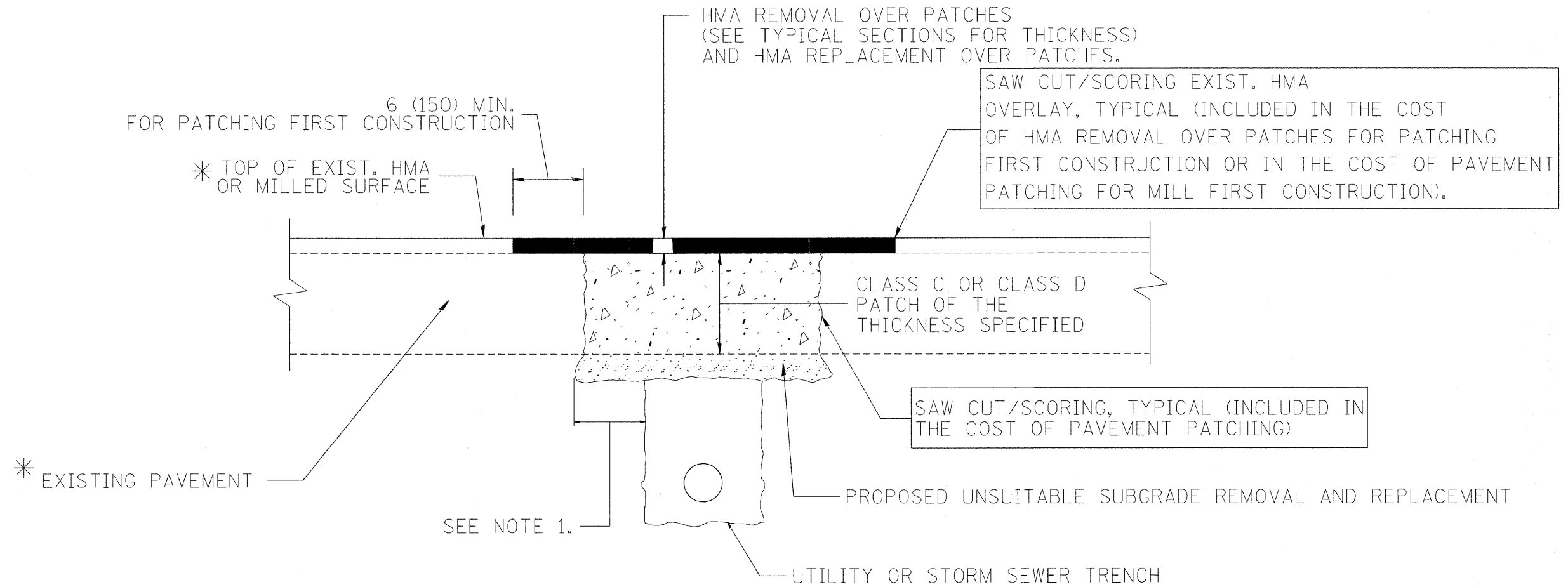
ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAIL OF STORM SEWER
 CONNECTION TO EXISTING SEWER**

SCALE: VERT. NONE
 HORIZ.

DRAWN BY
 CHECKED BY

BD500-01 (BD-7)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	48
STA.		TO STA.		
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.

REVISIONS	
NAME	DATE
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/07
K. ENG	10/27/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

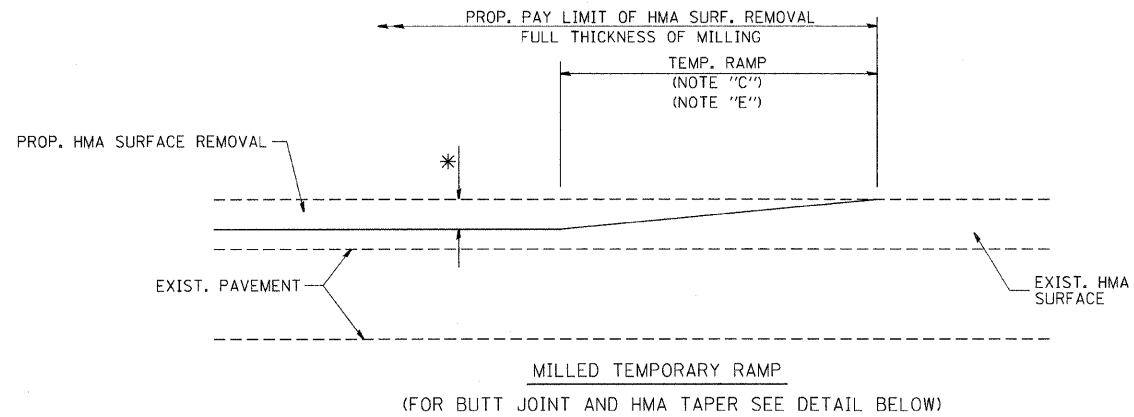
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
HORIZ. NONE

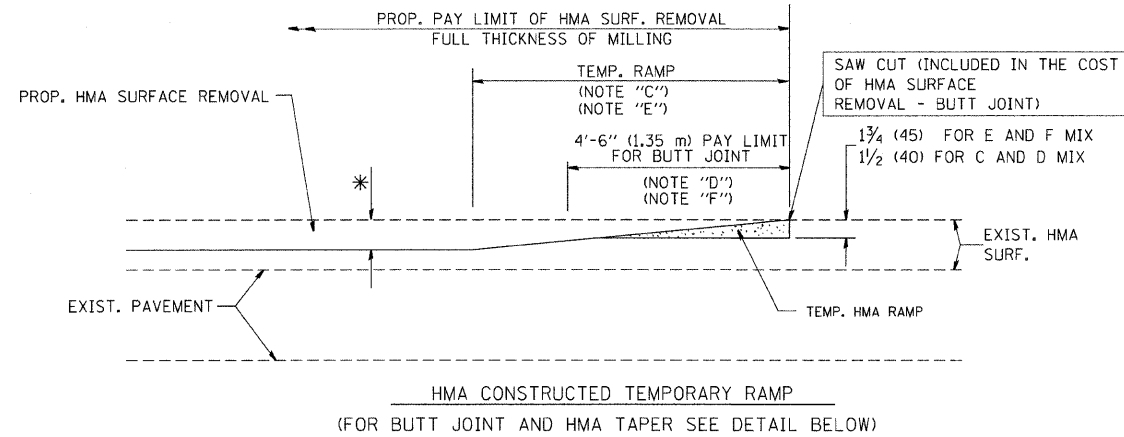
DRAWN BY
CHECKED BY

BD400-04 (BD-22)

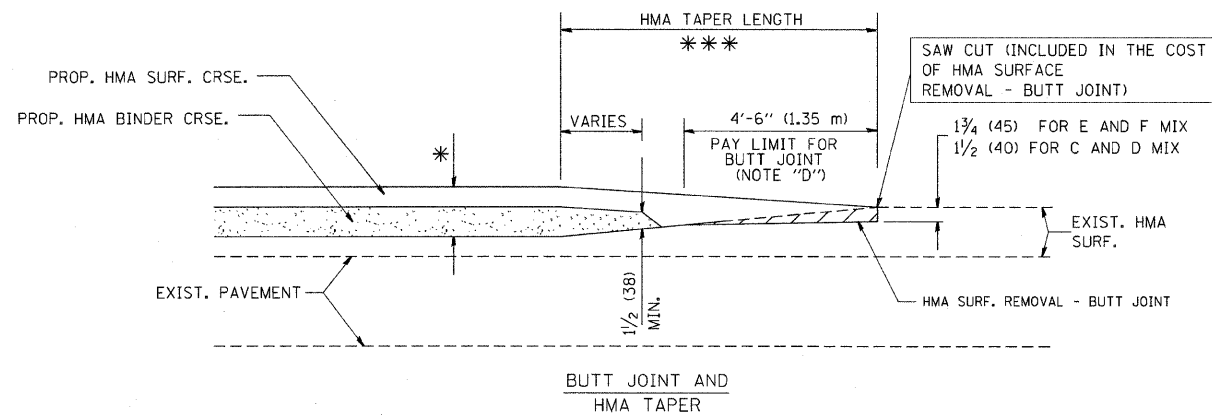
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101W	LAKE	75	49
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



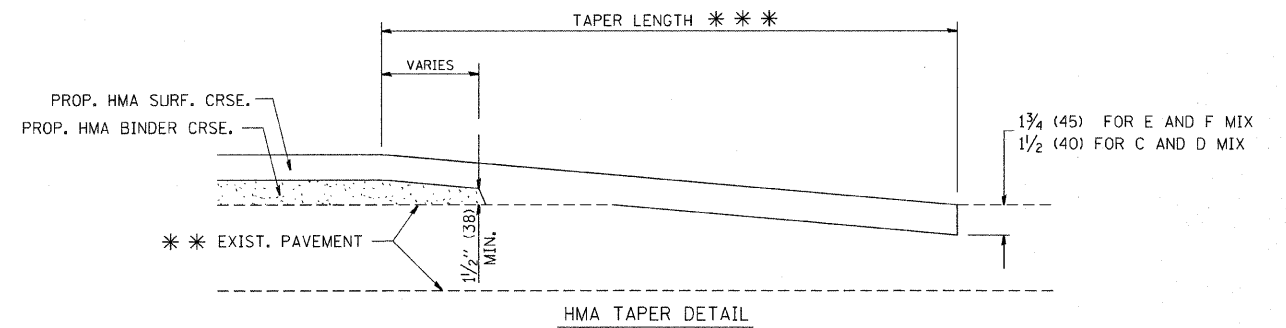
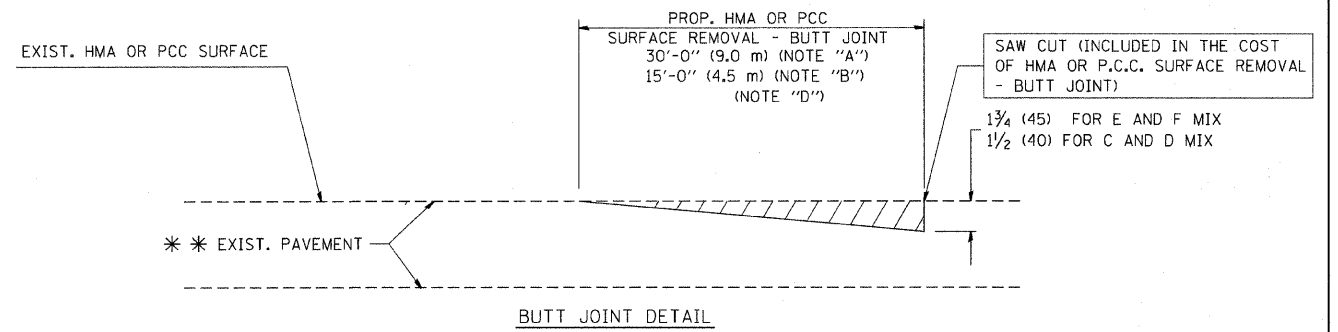
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR 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")

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

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".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND
HMA TAPER
DETAILS**

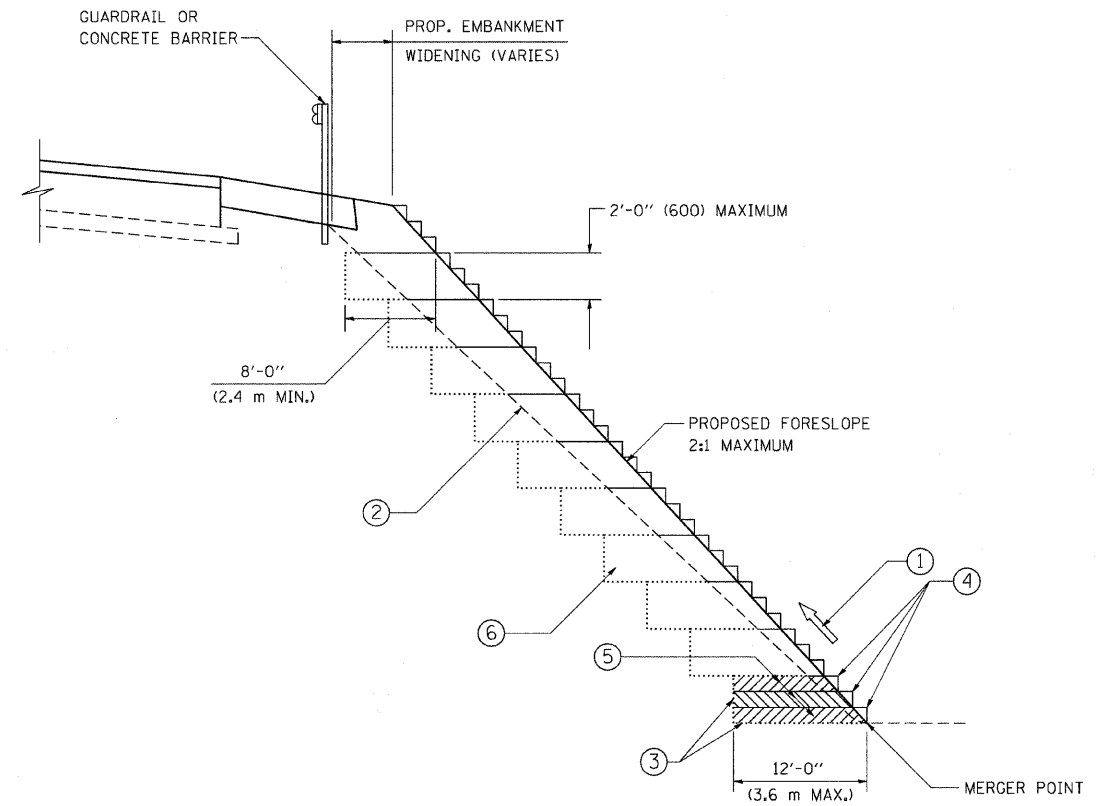
SCALE: VERT. NONE
HORIZ.

DRAWN BY

CHECKED BY

BD400-05 (VI-BD32)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	50
STA.		TO STA.		
FED. ROAD DIST. NO.		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.

REVISIONS	
NAME	DATE
	06/16/04

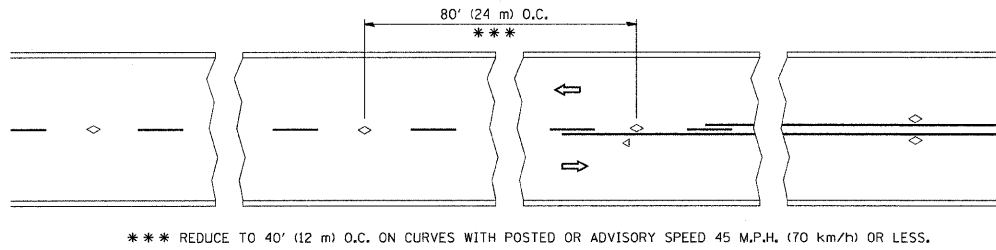
ILLINOIS DEPARTMENT OF TRANSPORTATION

**BENCHING DETAIL
FOR EMBANKMENT
WIDENING**

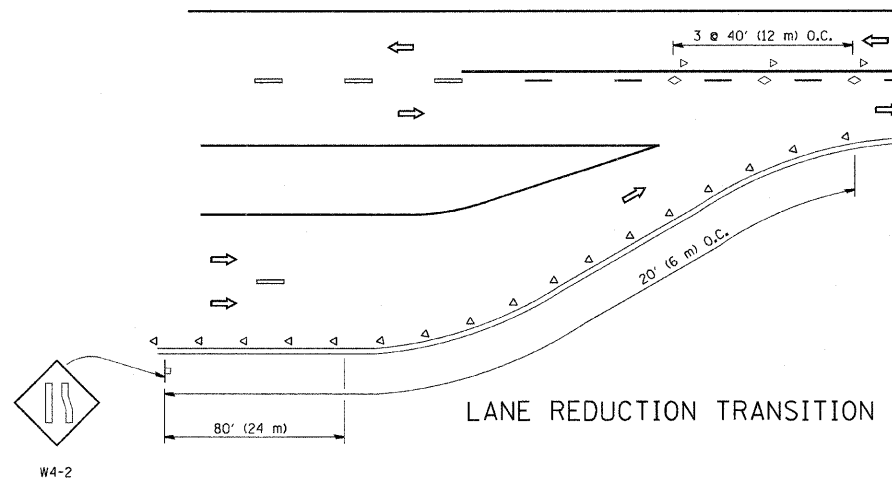
SCALE: VERT. NONE
HORIZ.

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CHECKED BY: S.E.B.

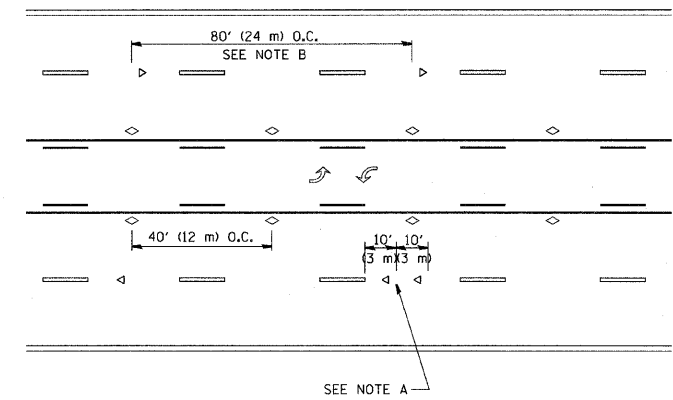
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	51
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



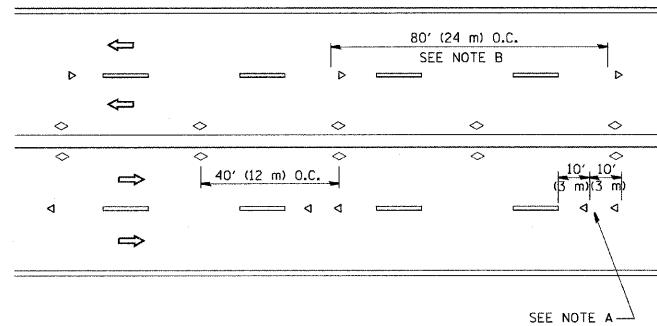
TWO-LANE/TWO-WAY



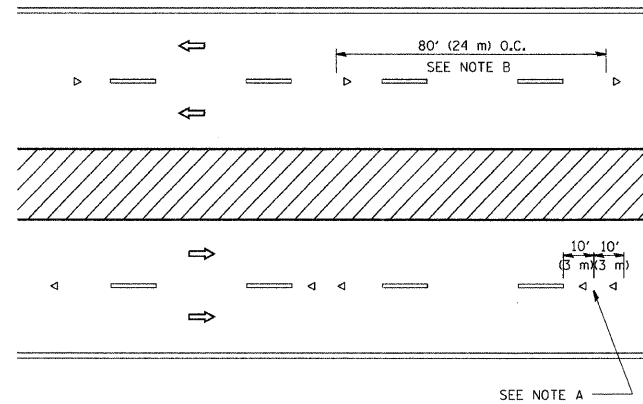
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

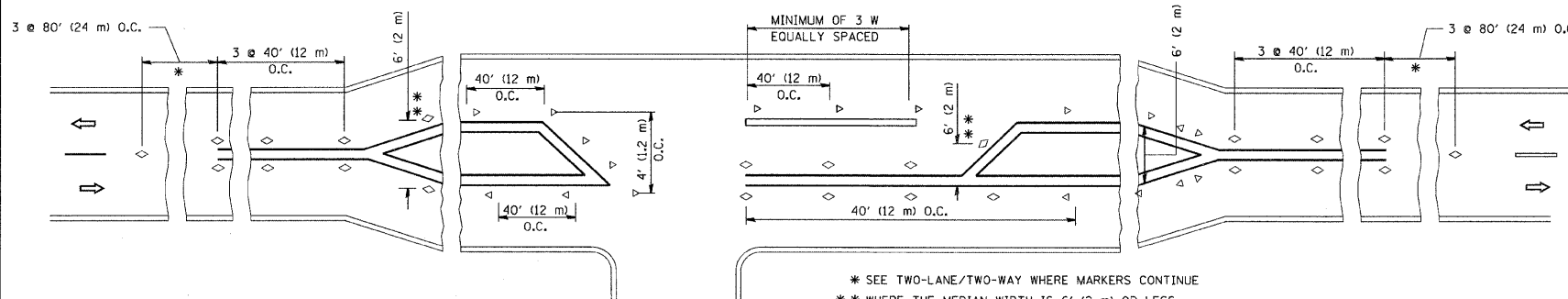
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

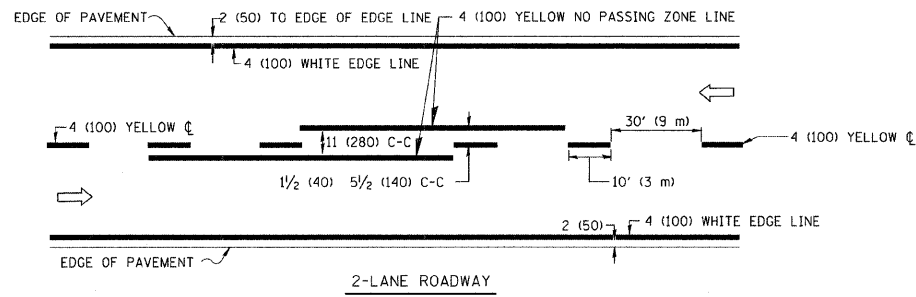
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DRAWN BY CADD

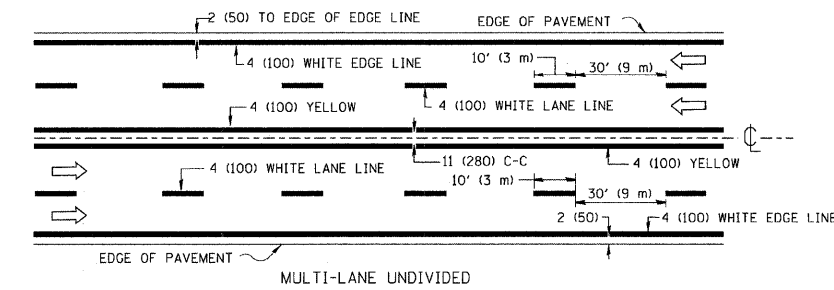
CHECKED BY

TC-11

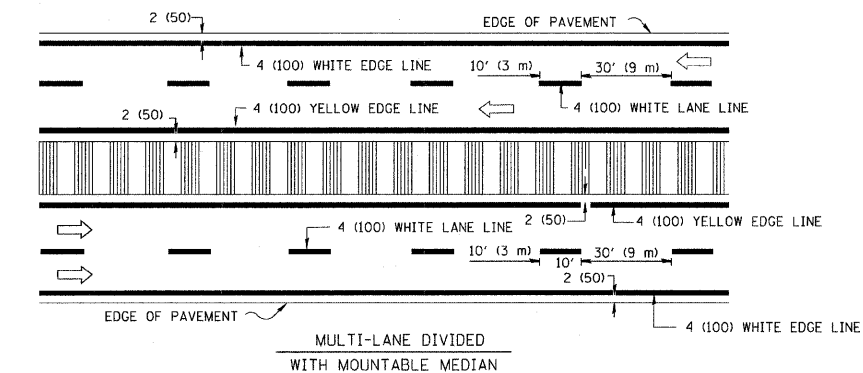
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	52
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	



2-LANE ROADWAY



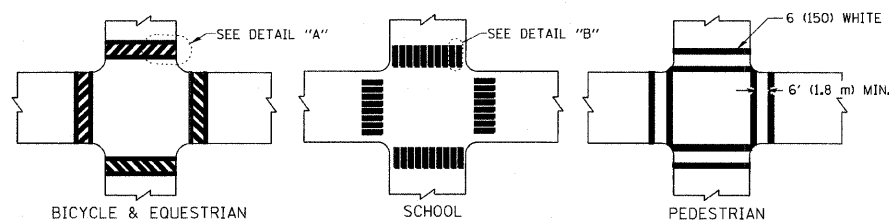
MULTI-LANE UNDIVIDED



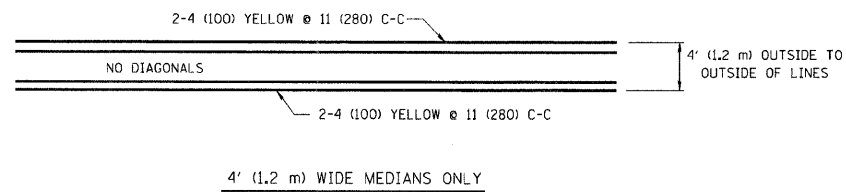
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

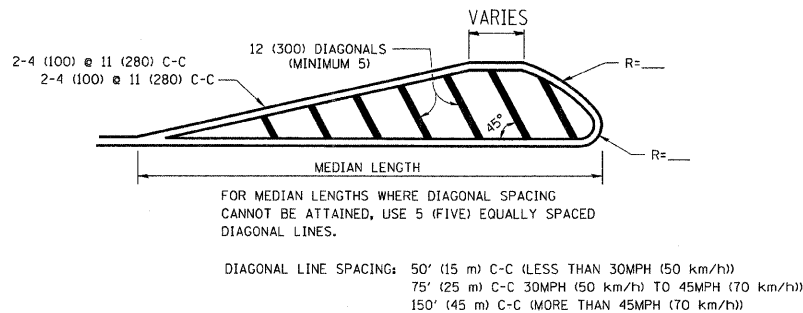
TYPICAL LANE AND EDGE LINE MARKING



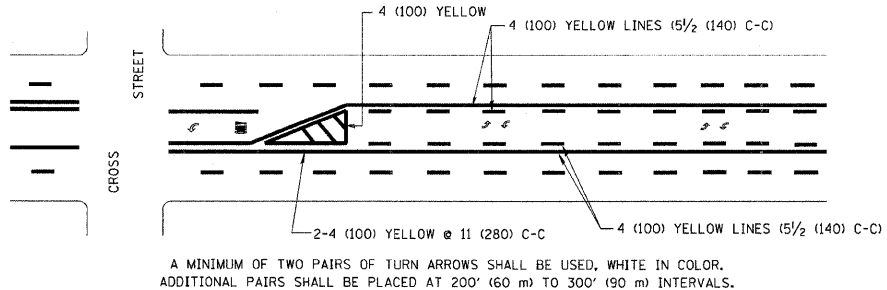
TYPICAL CROSSWALK MARKING



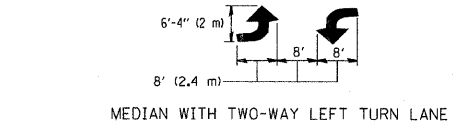
4' (1.2 m) WIDE MEDIANS ONLY



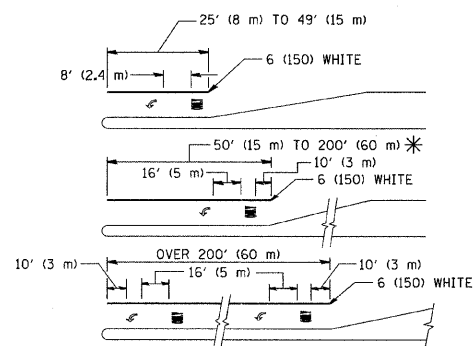
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



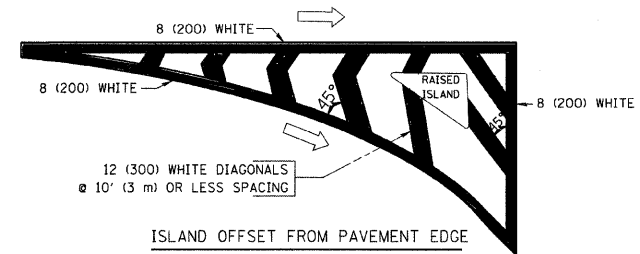
MEDIAN WITH TWO-WAY LEFT TURN LANE



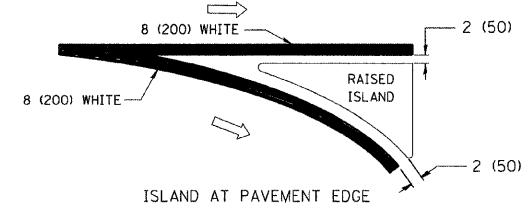
TYPICAL LEFT (OR RIGHT) TURN LANE

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

TYPICAL TURN LANE MARKING



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) 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.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

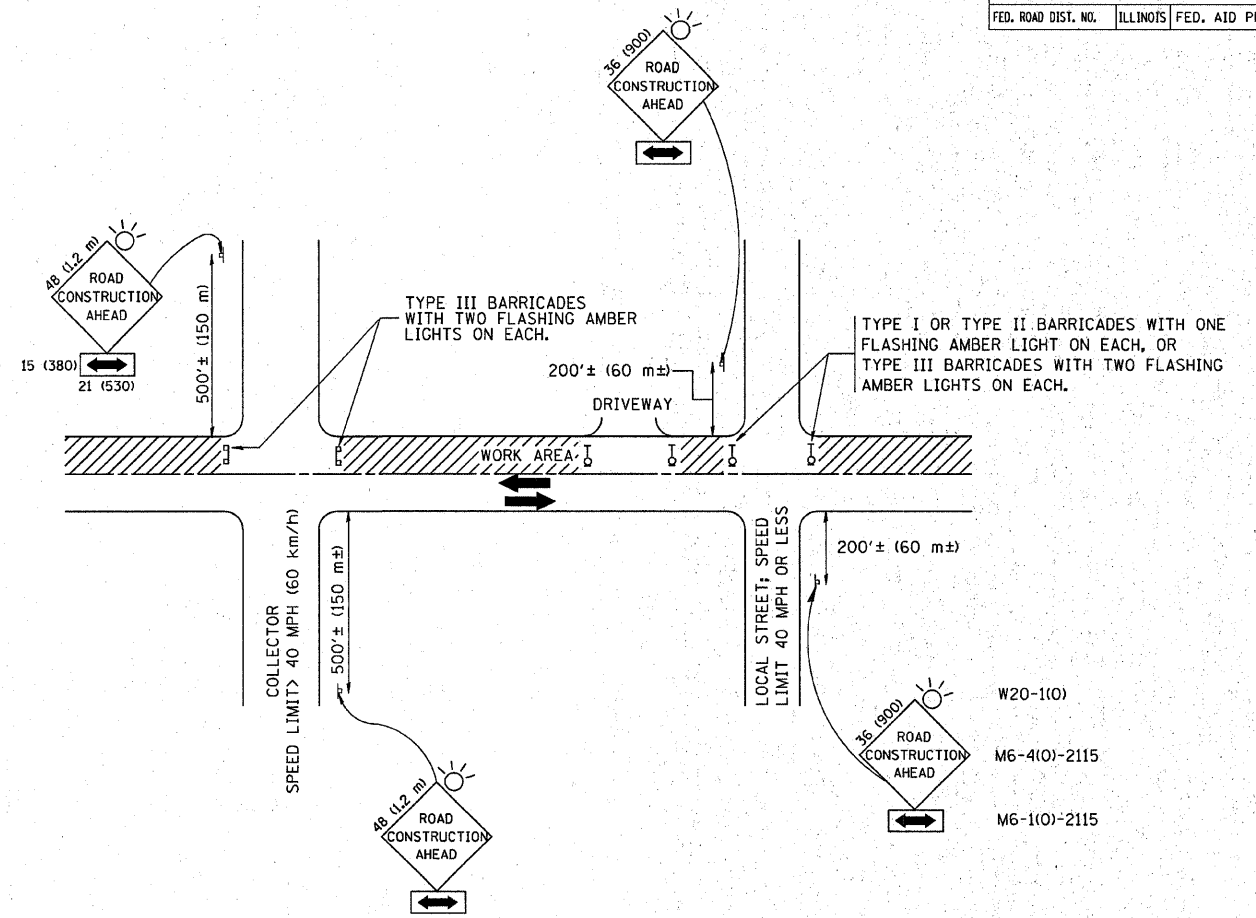
REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD
 CHECKED BY
 TC-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101 N	LAKE	75	52A
STA.		TO STA.		
FED. ROAD DIST. NO.	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
- 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.
 - 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.
 - 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.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

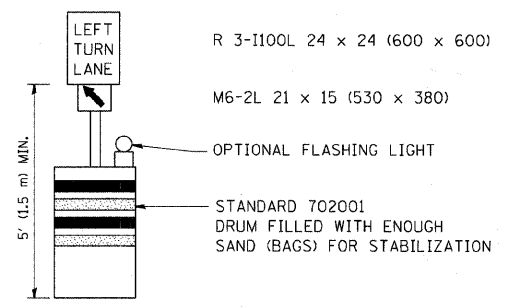
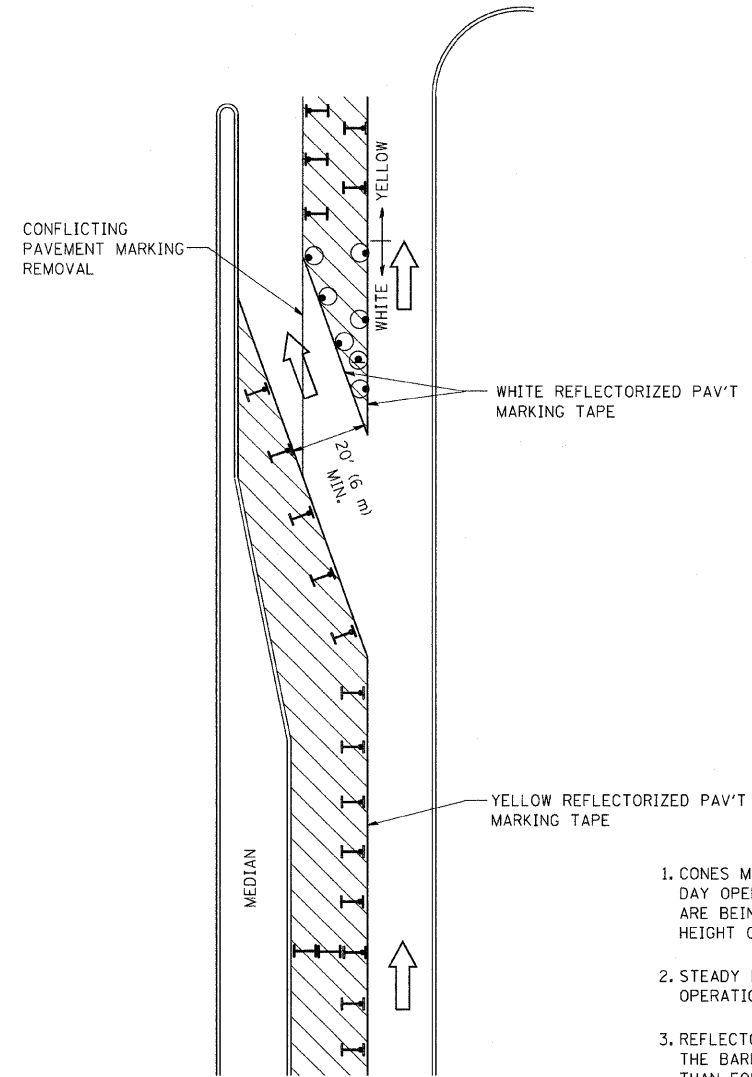
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: NONE

DRAWN BY
 CHECKED BY

PLOT DATE = 3/6/2007
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 PLOT SCALE = 800.000 / IN.
 USER NAME = bauerdl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

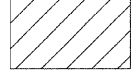







GENERAL NOTES

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 BT 725 IS REQUIRED.
8. 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

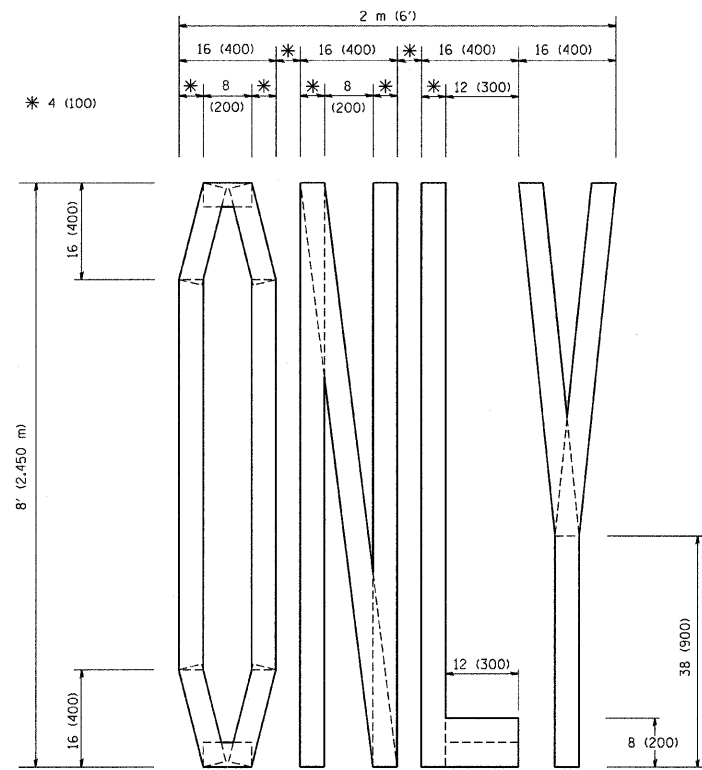
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

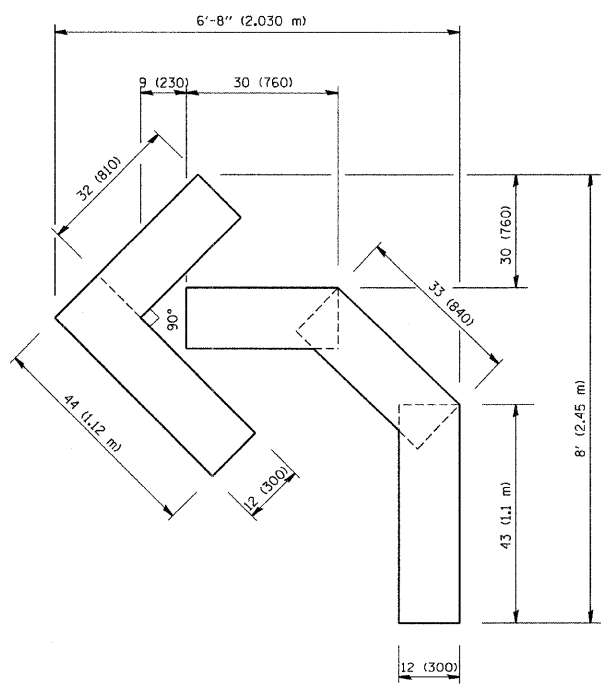
ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE
 DRAWN BY
 CHECKED BY LHA
 TC-14

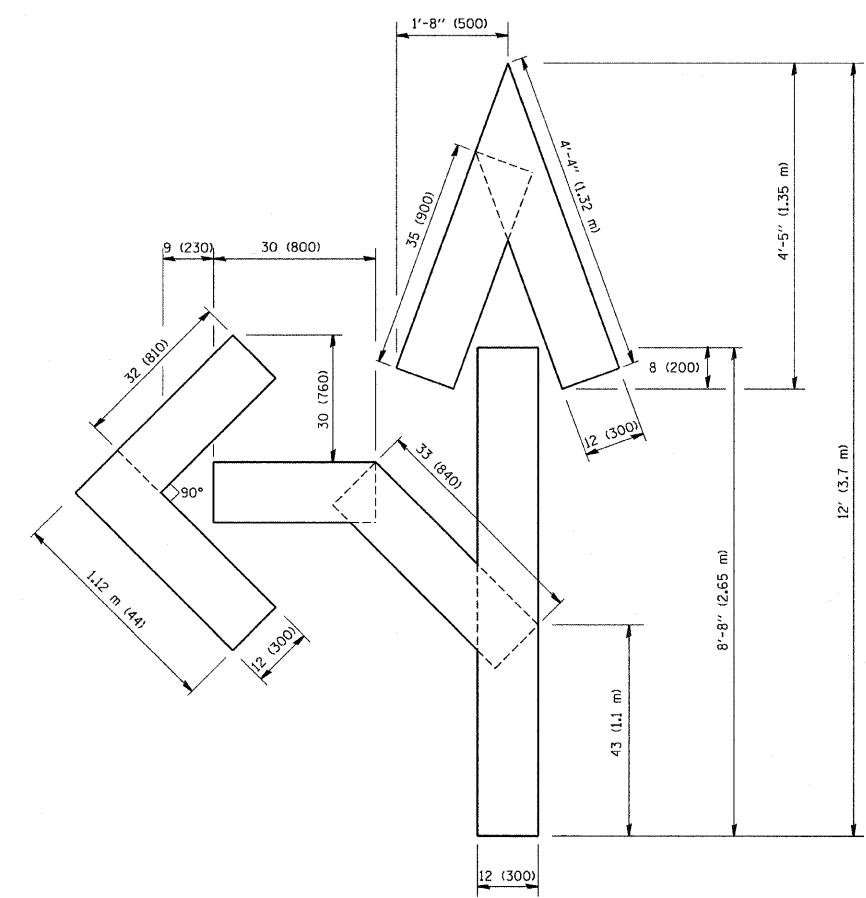
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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



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



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

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

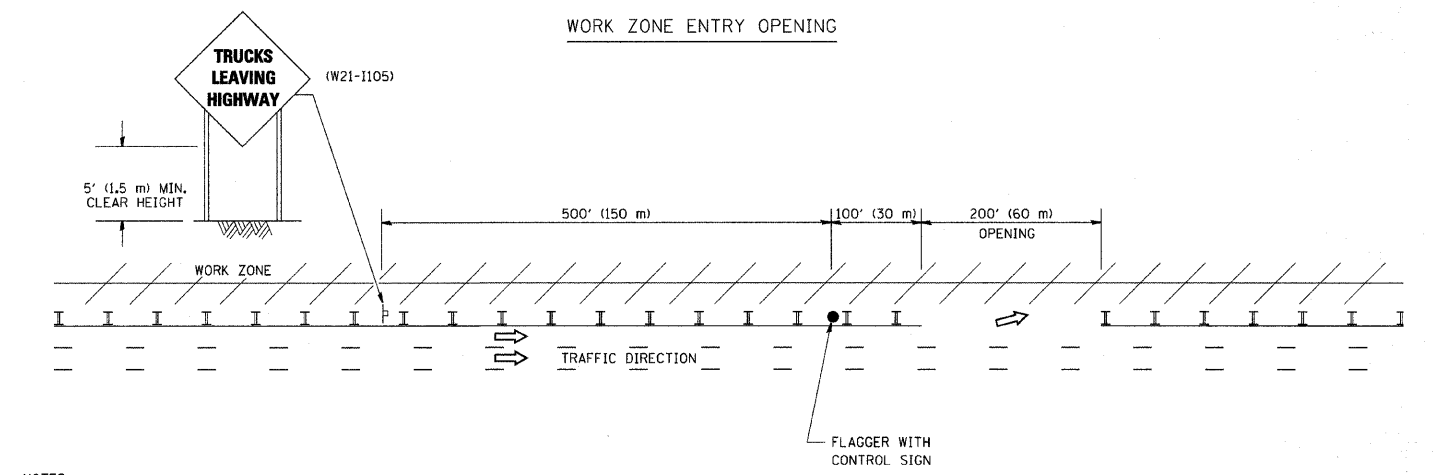
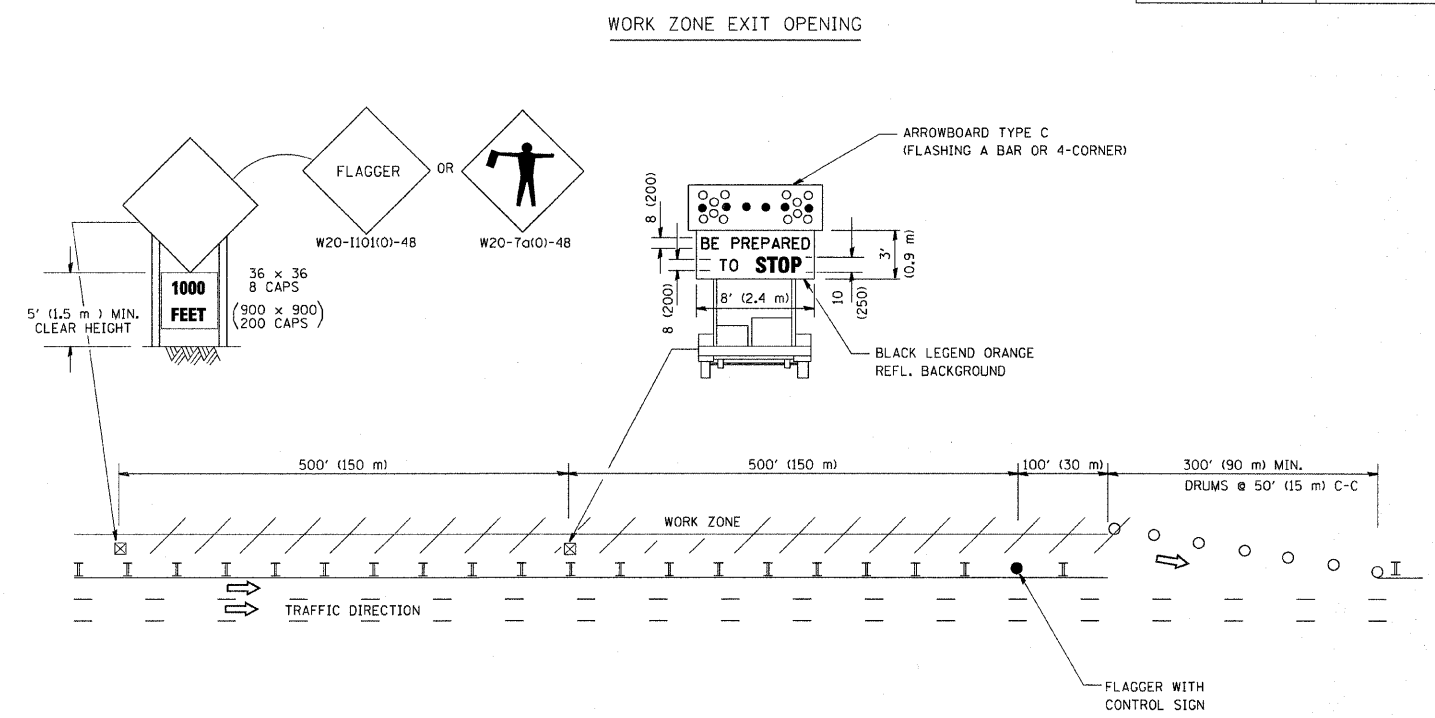
REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

SCALE: NONE
 DRAWN BY CADD
 CHECKED BY
 TC-16

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAK.E	75	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

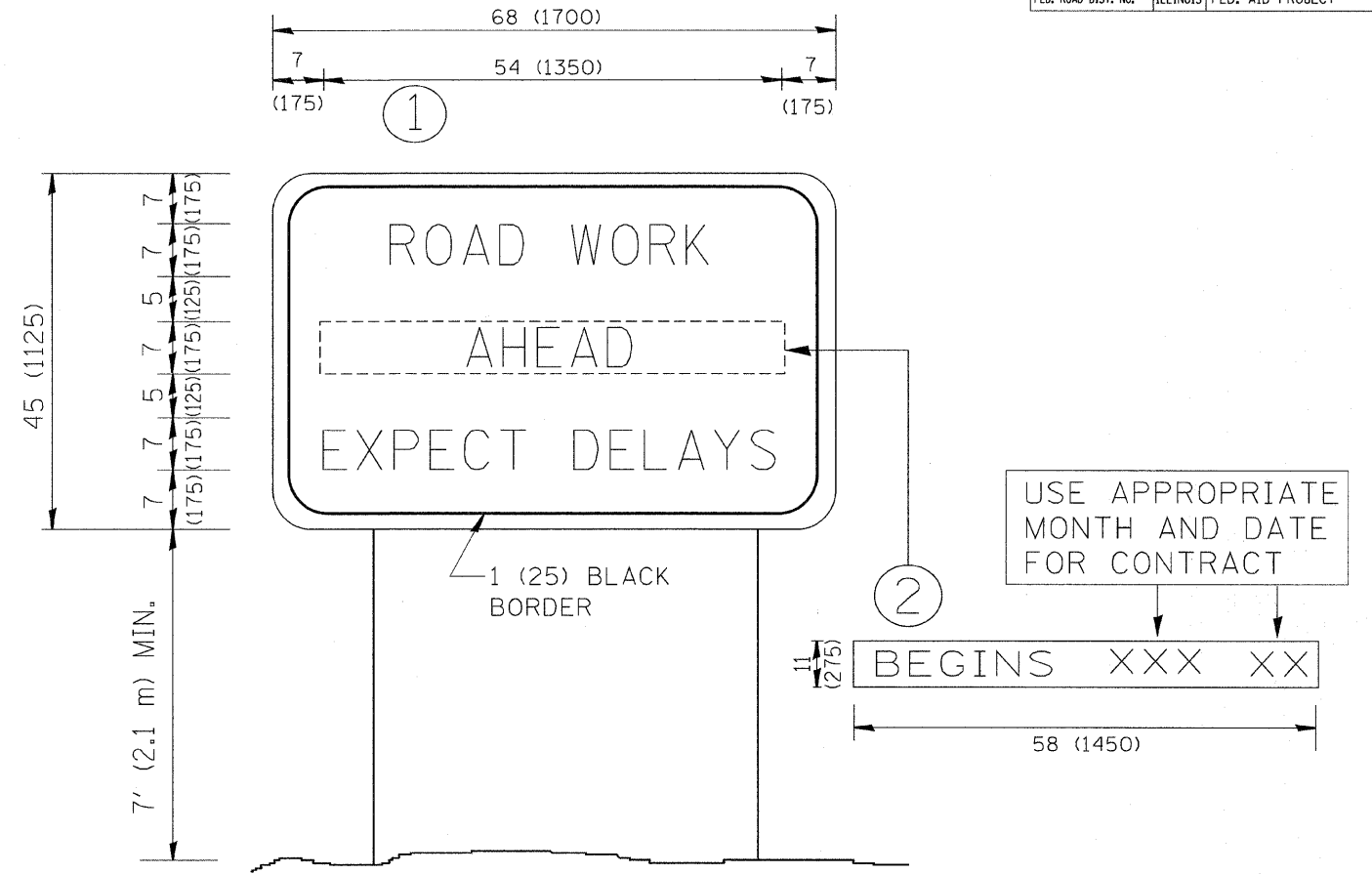
REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

SCALE: NONE
DRAWN BY CADD
CHECKED BY
TC-18

PLOT DATE = 3/7/2007
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PLOT SCALE = 50.000 / IN.
USER NAME = bauer-dl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	56
STA.		TO STA.		
FED. ROAD DIST. NO.		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.

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE

DRAWN BY DESIGN

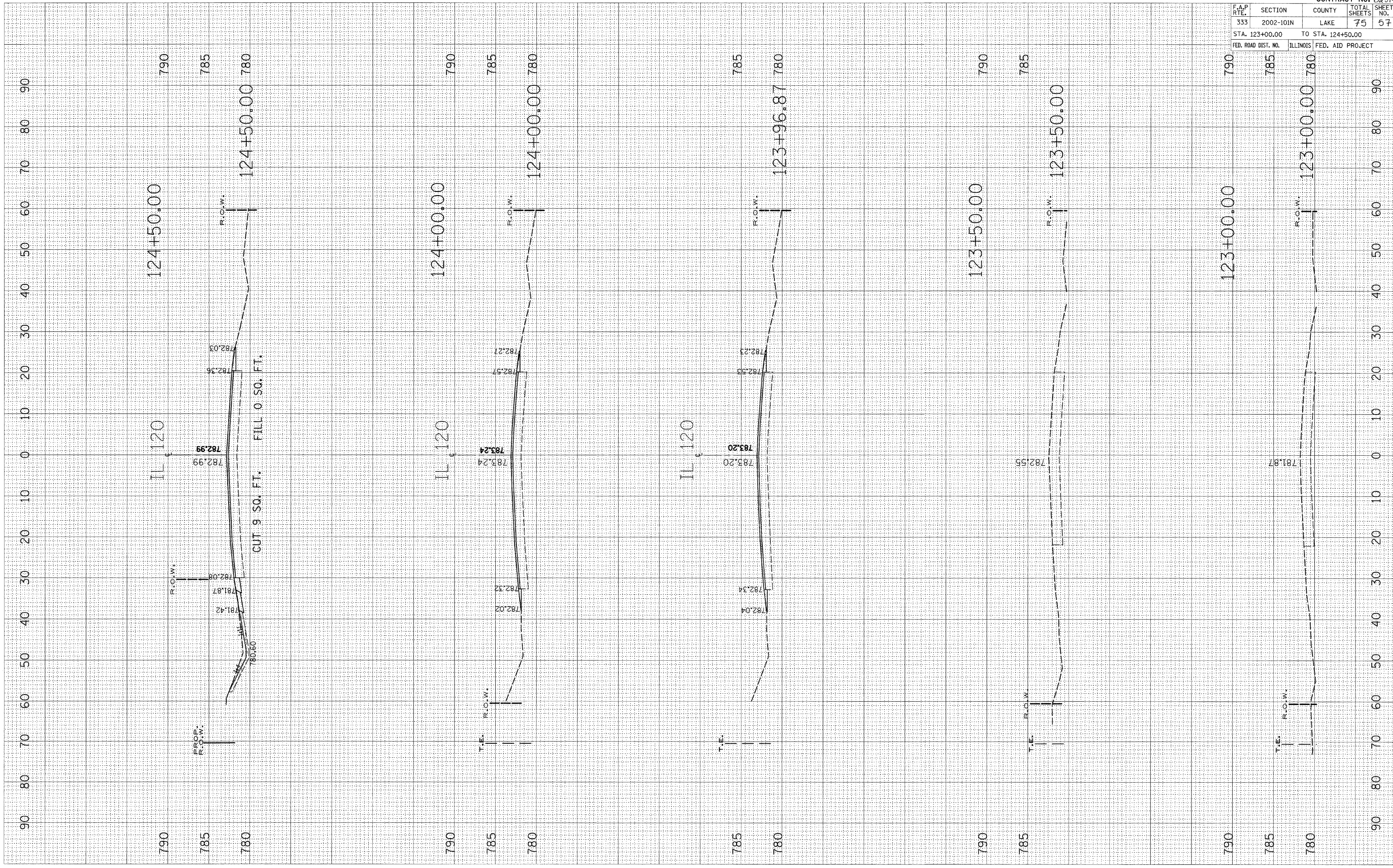
CHECKED BY

TC22

PLOT DATE = 12/22/2008
 PLOT SCALE = 1" = 40.00'
 PLOT SHEET NO. = 57
 USER NAME = indyjs

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 SURVEYED PLOTTED
 BY: _____ DATE: _____
 NO. _____

FINAL SURVEY PLOTTED
 SURVEYED PLOTTED
 BY: _____ DATE: _____
 NO. _____



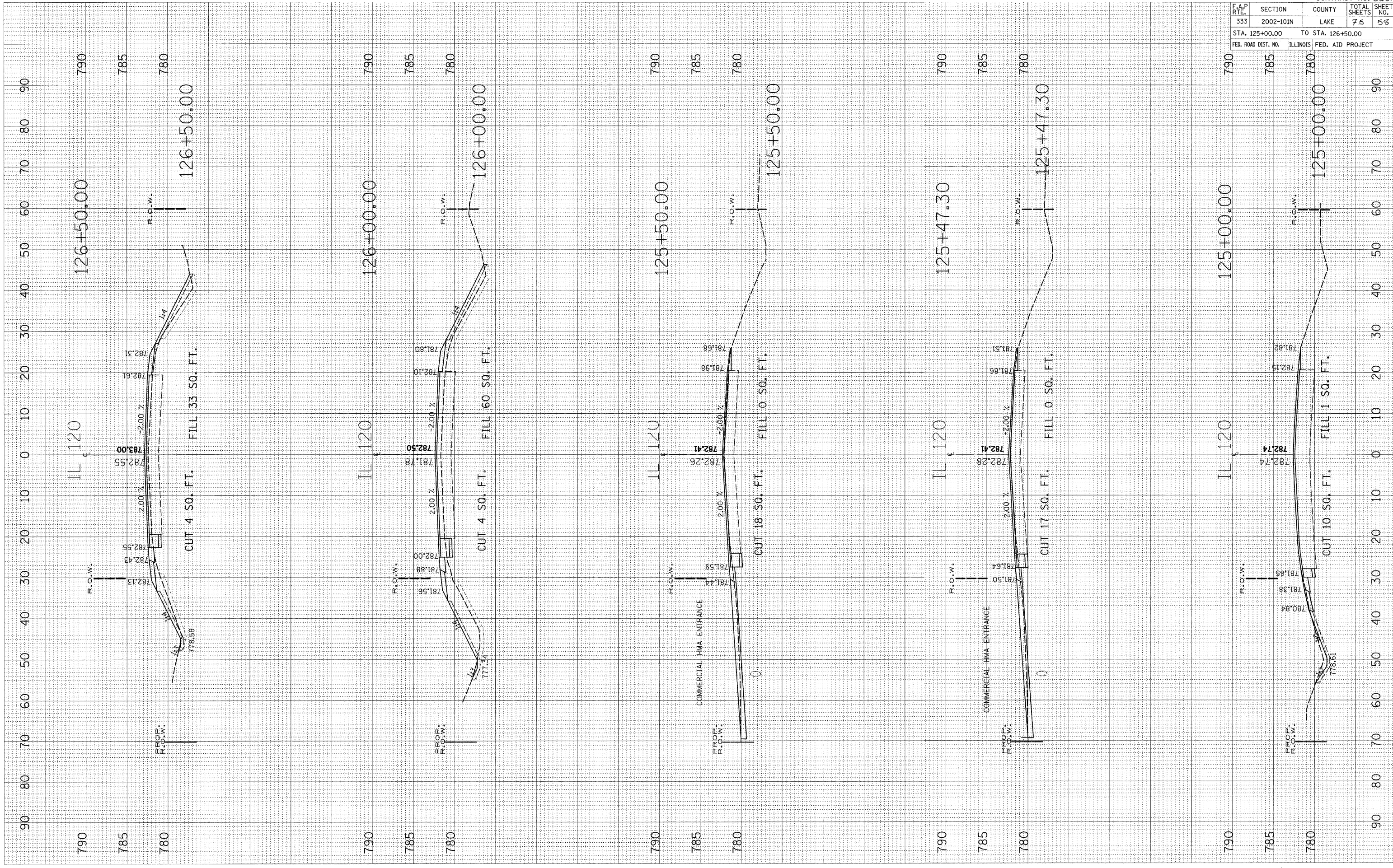
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333	2002-101N	LAKE	75	57
STA. 123+00.00		TO STA. 124+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62514

PLOT DATE = 12/22/2008
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 USER NAME = indjup

ORIGINAL SURVEYED BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 AREAS CHECKED

FINAL SURVEYED BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 AREAS CHECKED



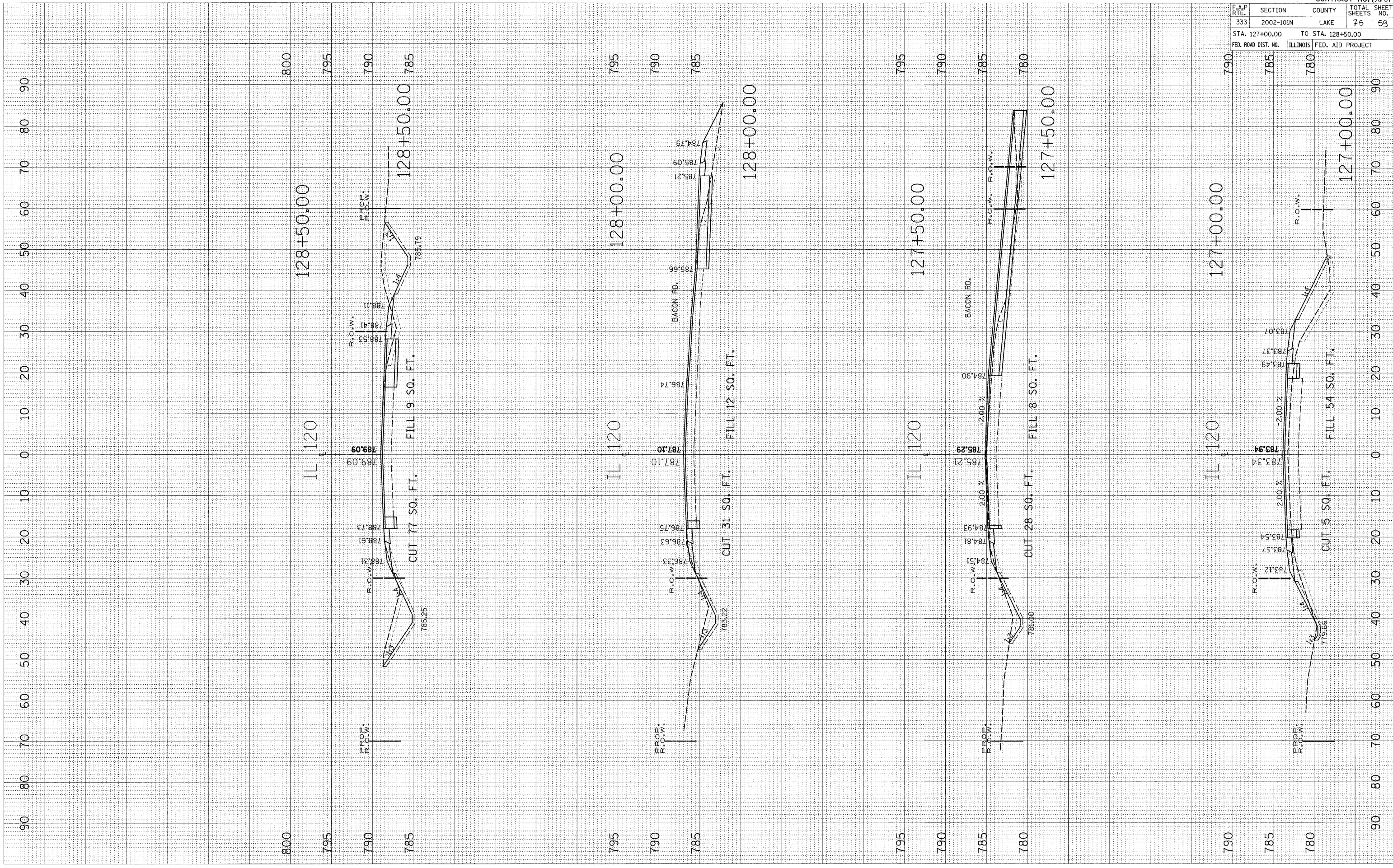
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333	2002-101N	LAKE	75	56
STA. 125+00.00		TO STA. 126+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62514

PLOT DATE = 12/22/2008
 PLOT SCALE = 1/4" = 100'
 USER NAME = mndjjs

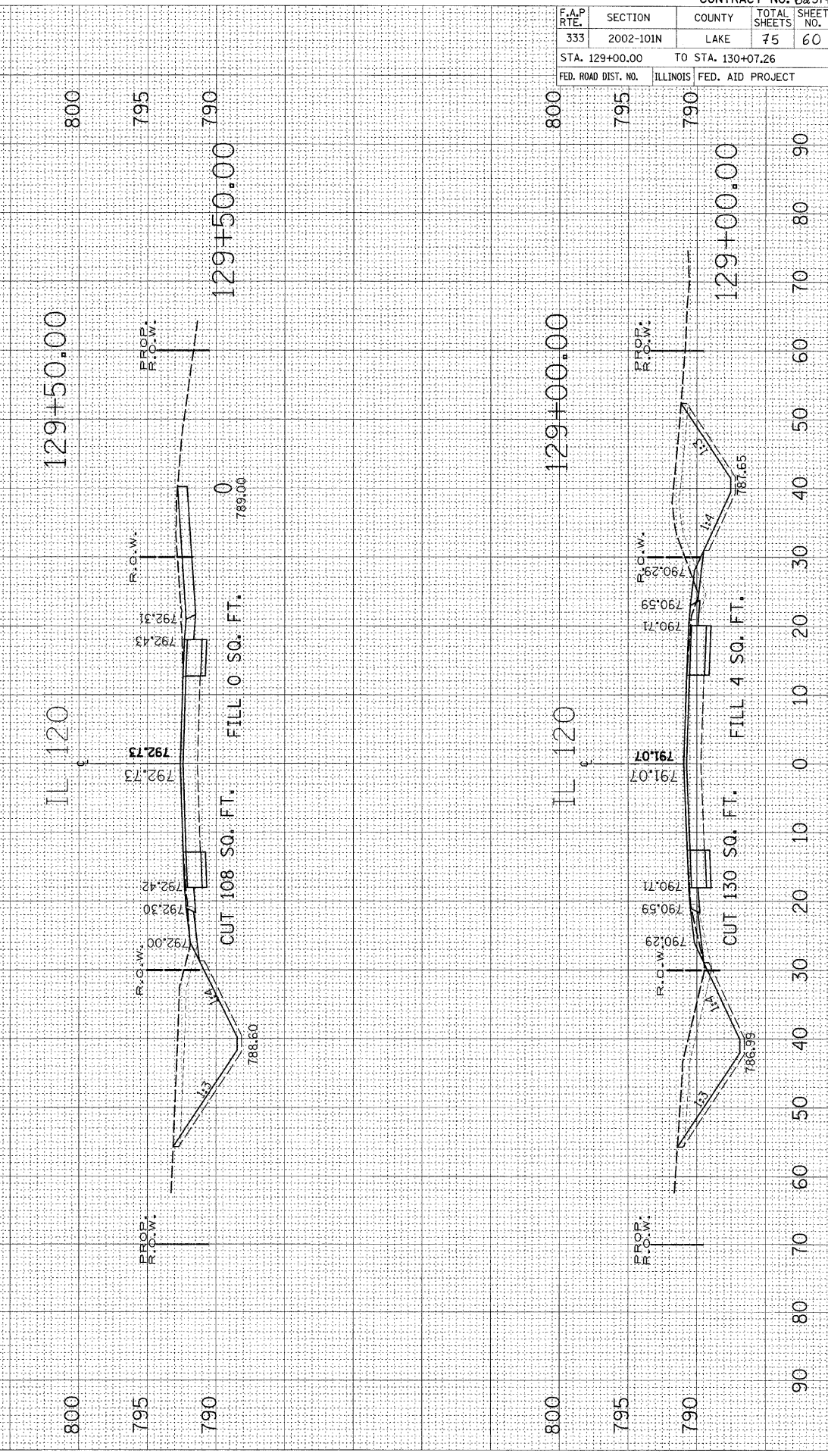
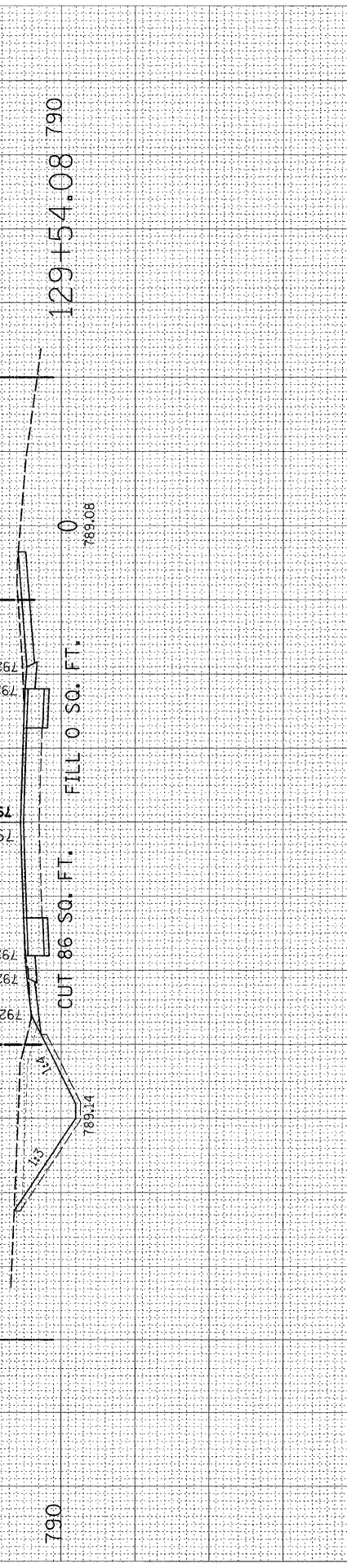
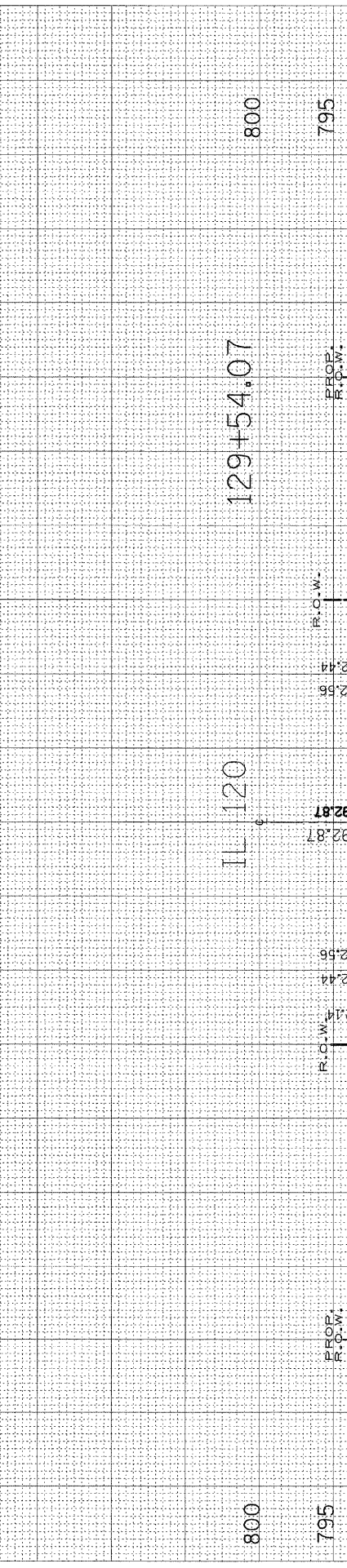
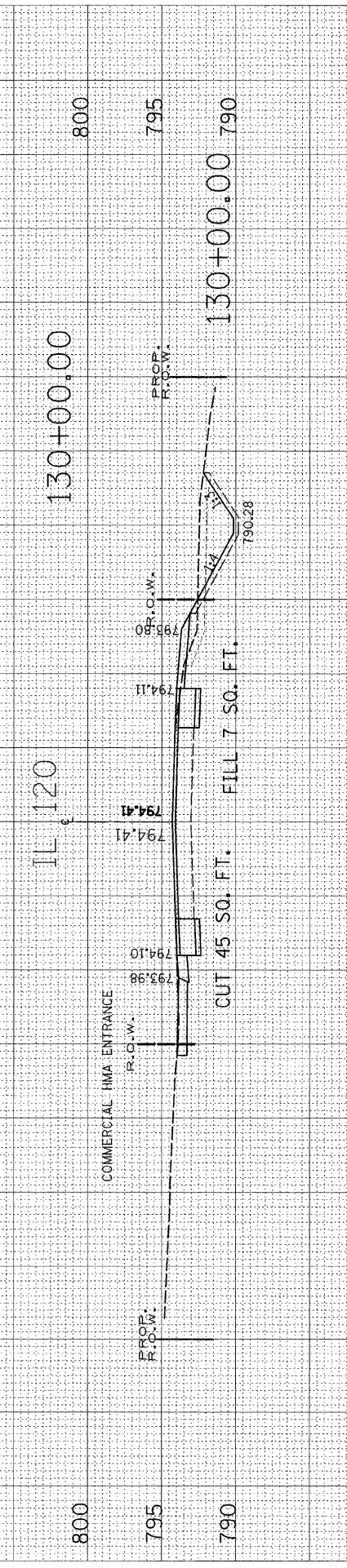
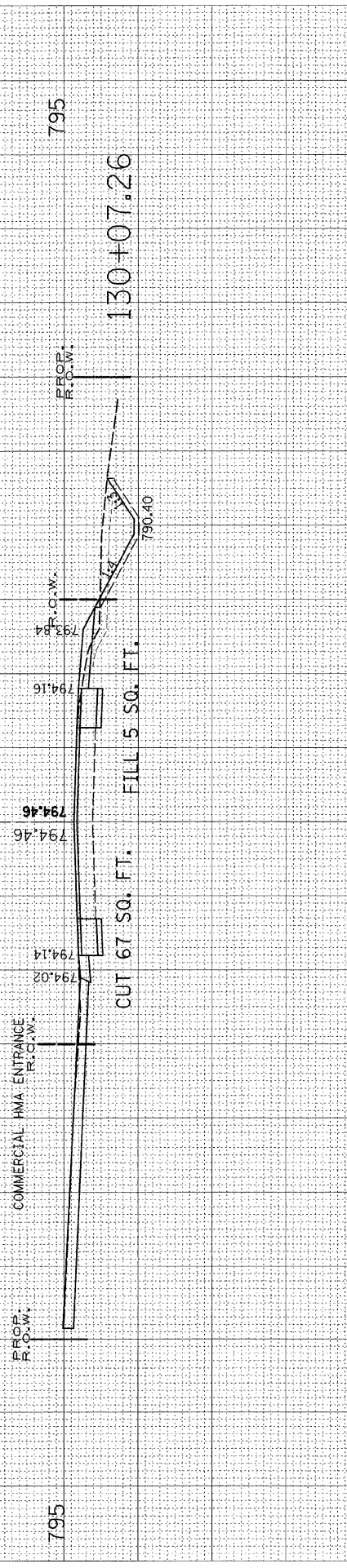
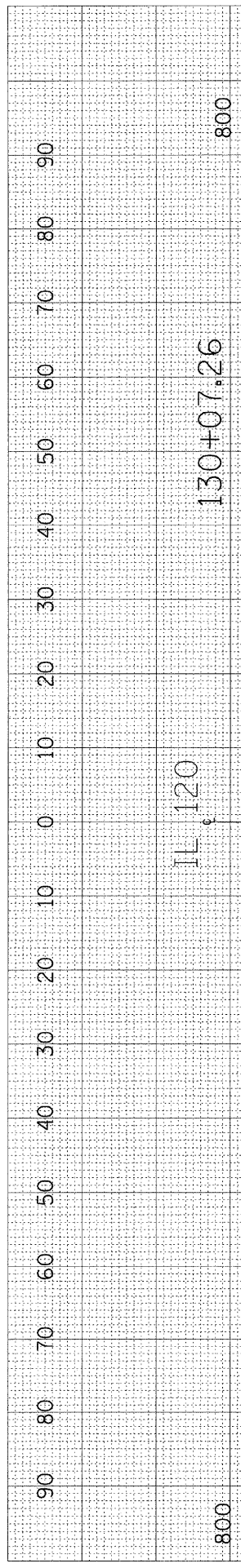
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 NOTE BOOK NO.
 AREAS CHECKED

FINAL SURVEYED BY DATE
 SHEET PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	59
STA. 127+00.00		TO STA. 128+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62514



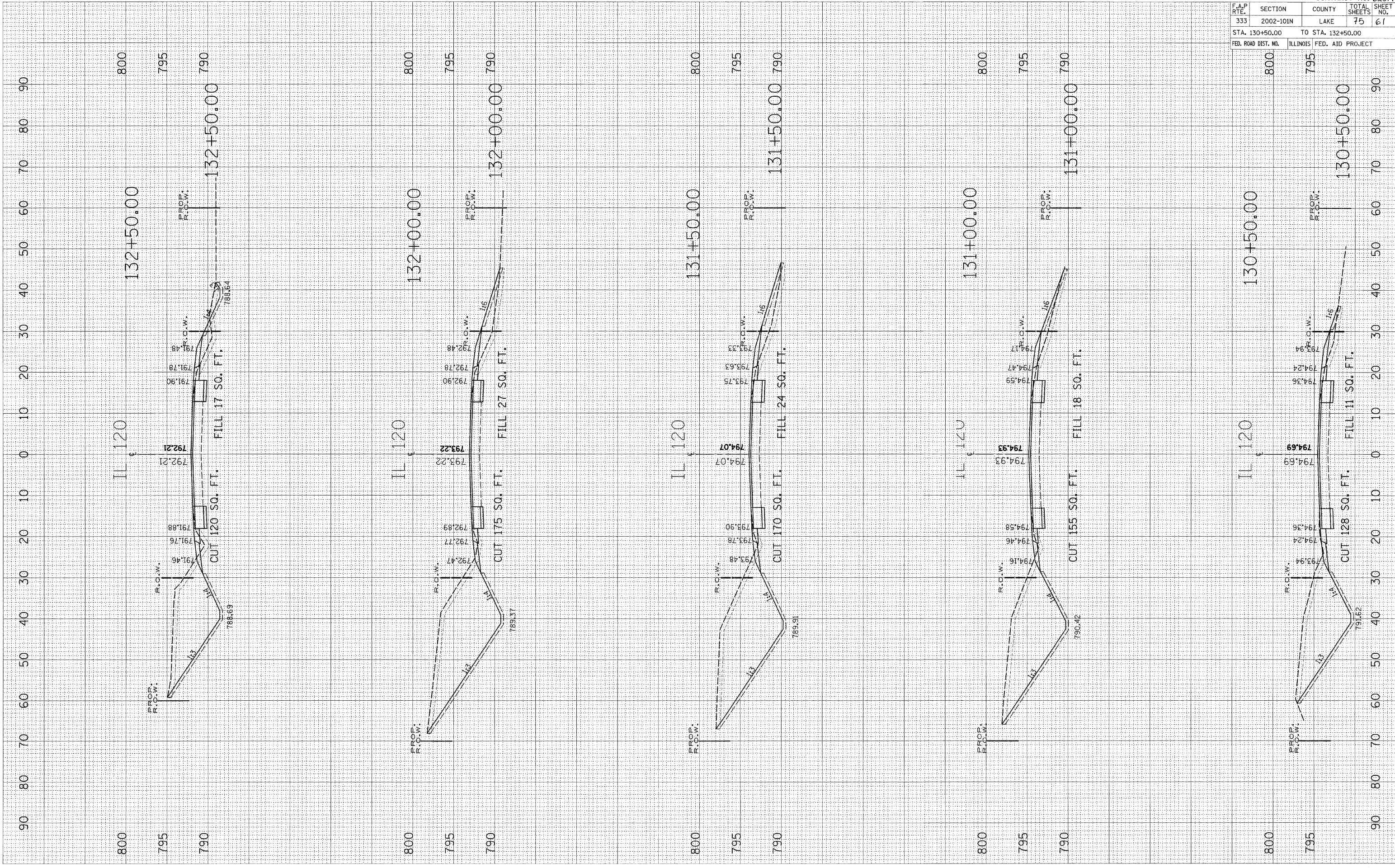
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	STA. 129+00.00 TO STA. 130+07.26			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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 NO. AREAS CHECKED

FINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NO. AREAS CHECKED

BY: _____ DATE: _____



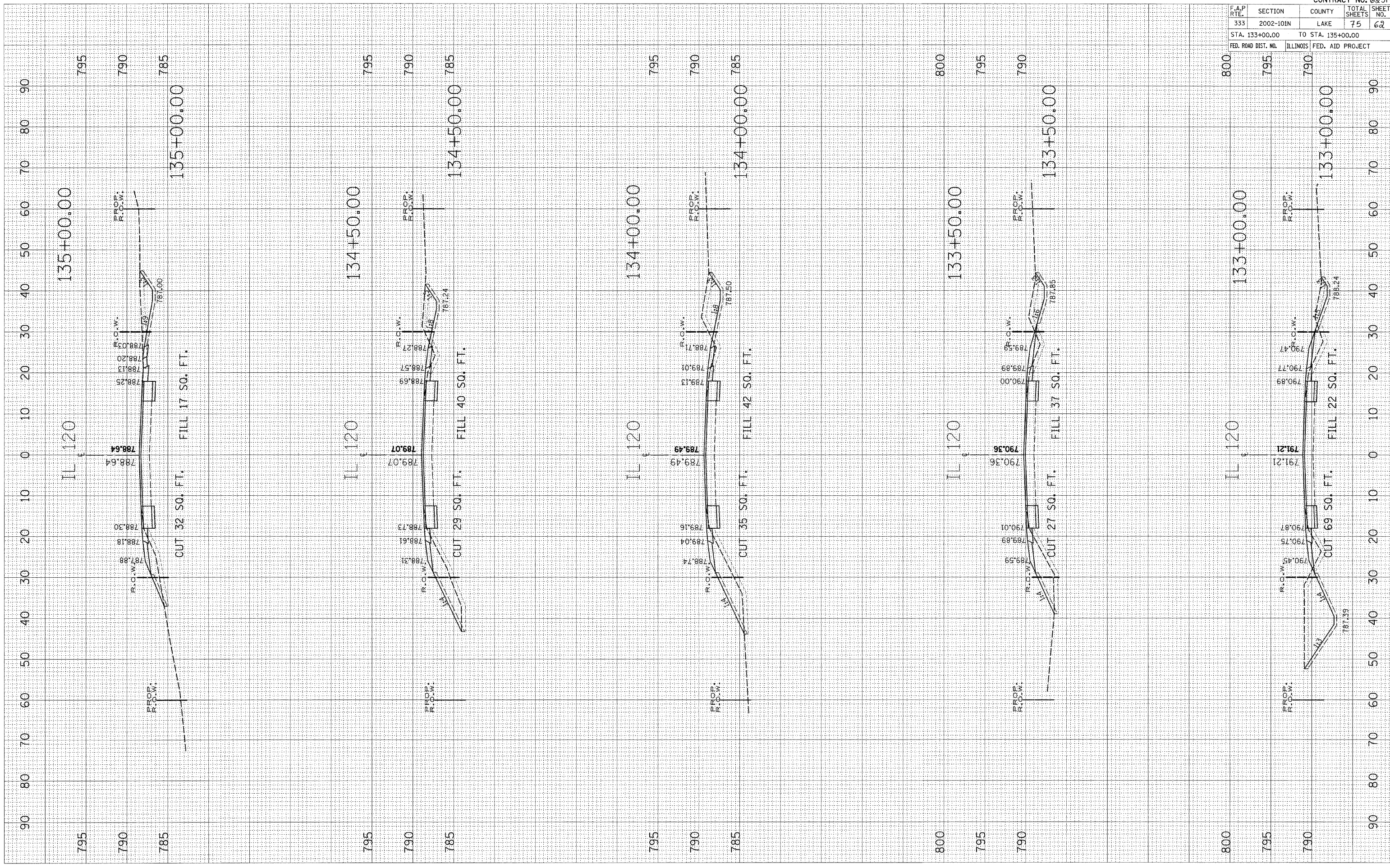
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333	2002-101N	LAKE	75	61
STA. 130+50.00		TO STA. 132+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62514

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NOTE BOOK	TEMPLATE		
NO.	NO.		

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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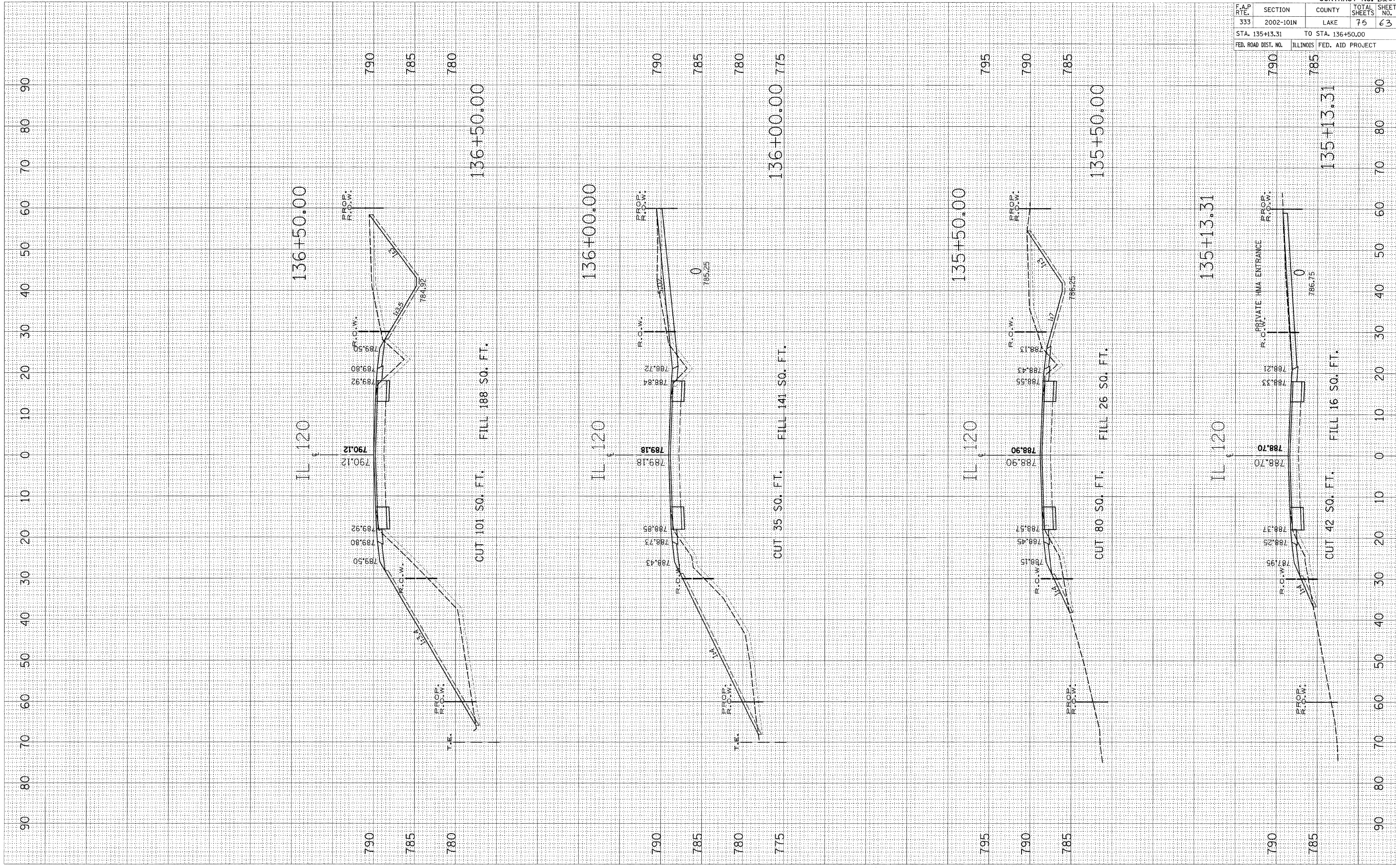
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333	2002-101N	LAKE	75	62
STA. 133+00.00		TO STA. 135+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62514

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 SURVEY PLOTTED BY DATE
 NO. AREAS CHECKED

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



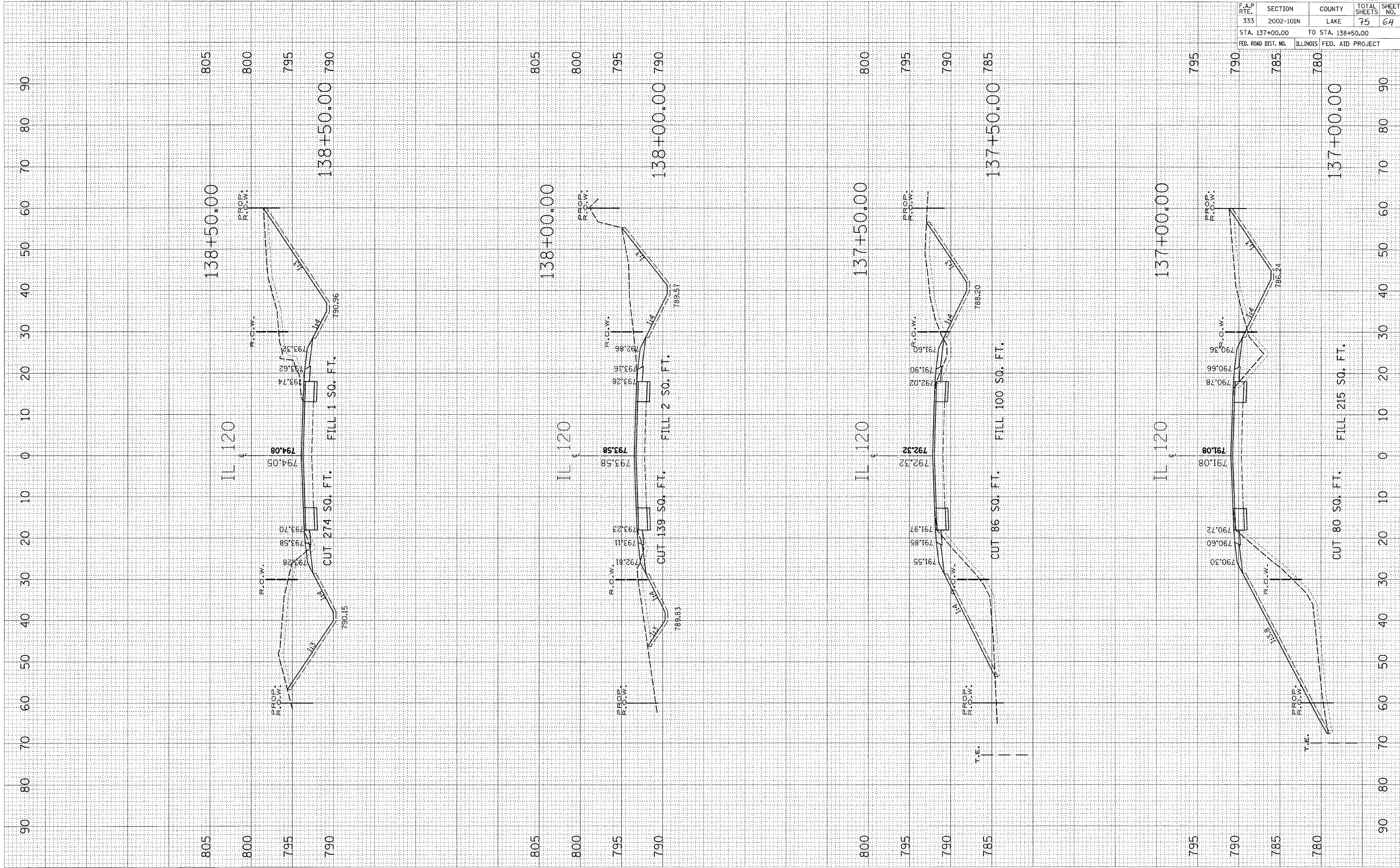
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	63
STA. 135+13.31		TO STA. 136+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62514

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FINAL SURVEY	SURVEY	BY	DATE
NO.			



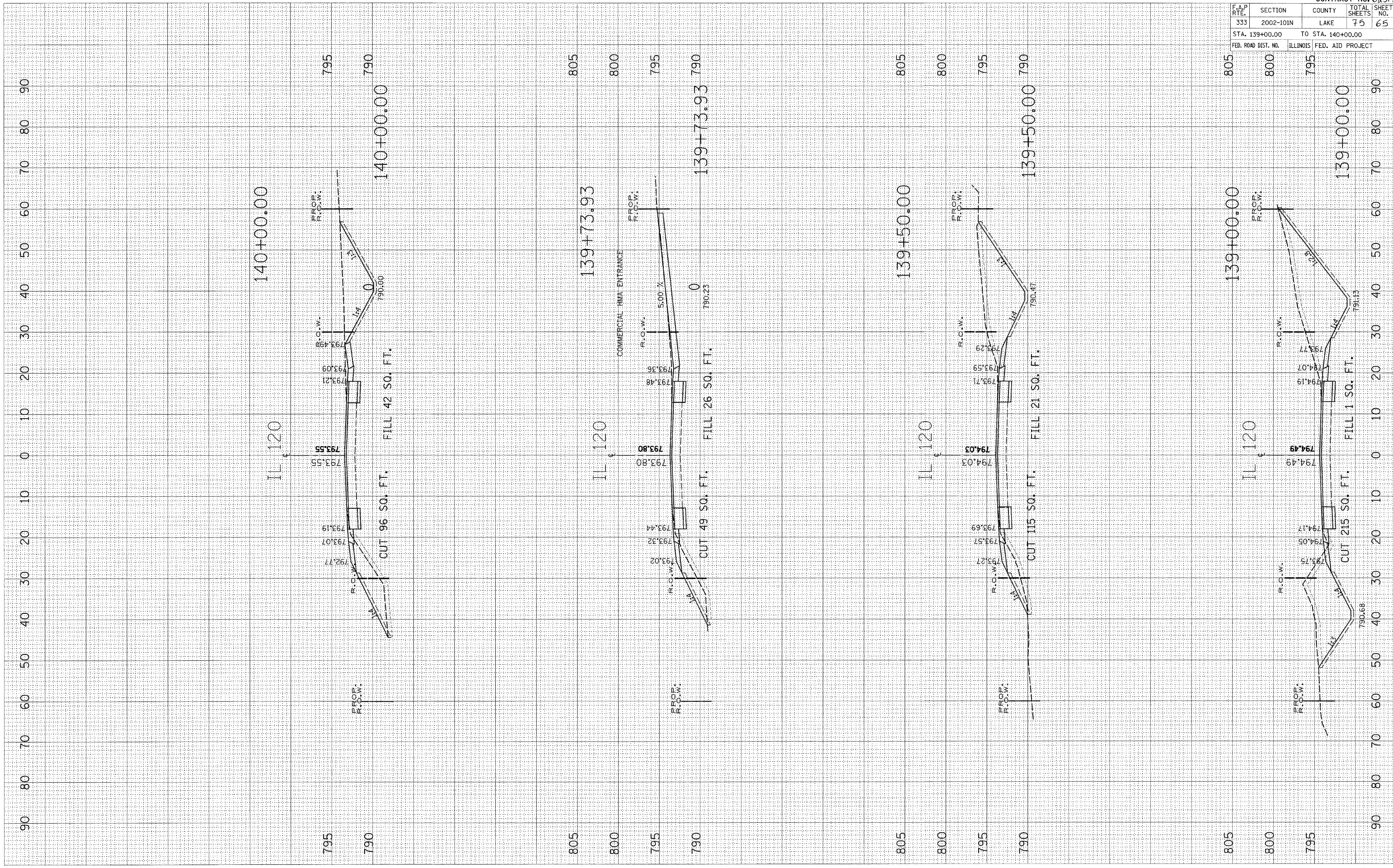
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333	2002-101N	LAKE	75	64
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62514

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TITLE SHEET NO.	SURVEYED PLOTTED	DATE



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

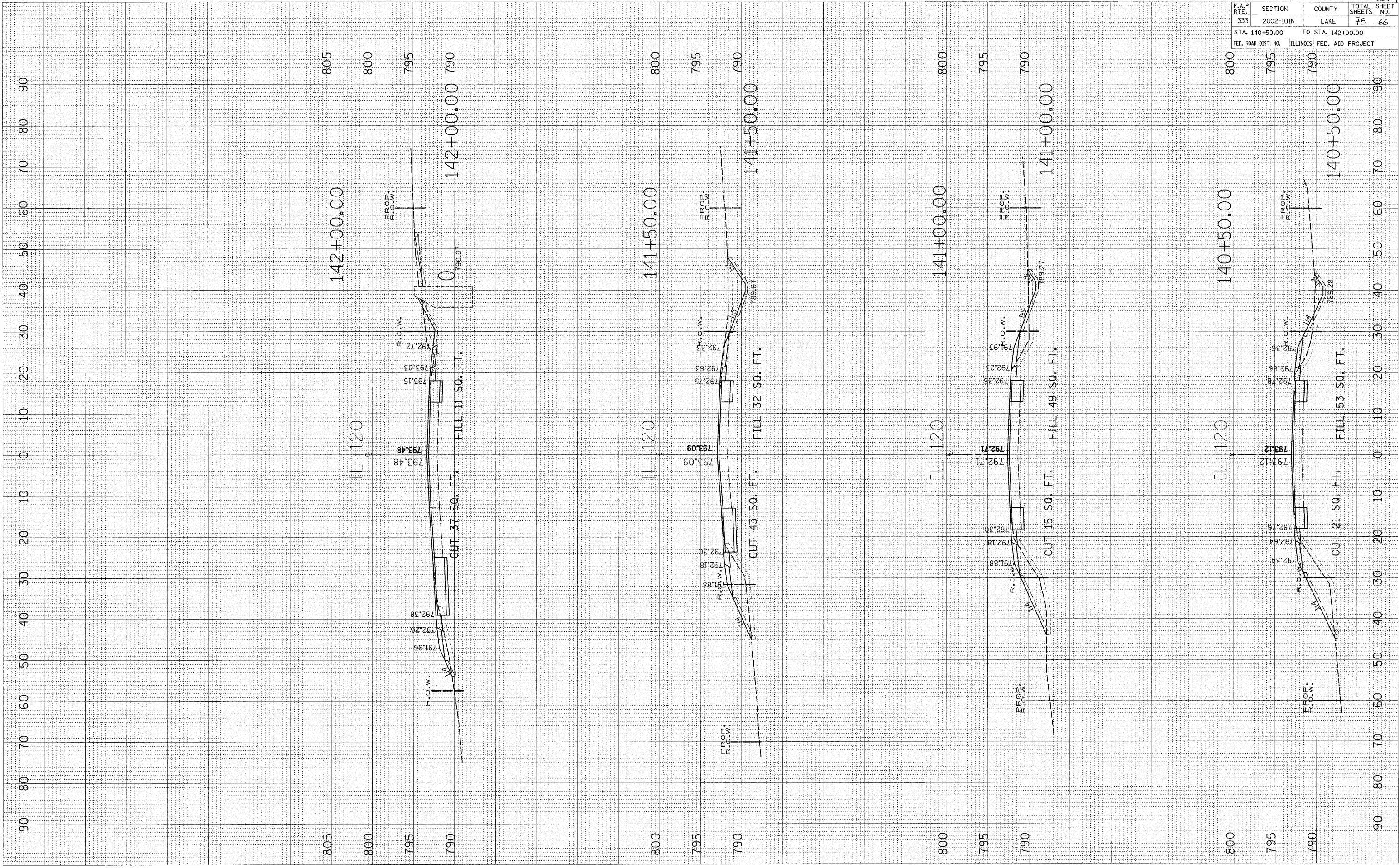
CONTRACT NO. 62514

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 USER NAME = mrdjg

ORIGINAL SURVEY PLOTTED
 NO. AREAS CHECKED

FINAL SURVEY PLOTTED
 NO. AREAS CHECKED

BY _____ DATE _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 140+50.00		TO STA. 142+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

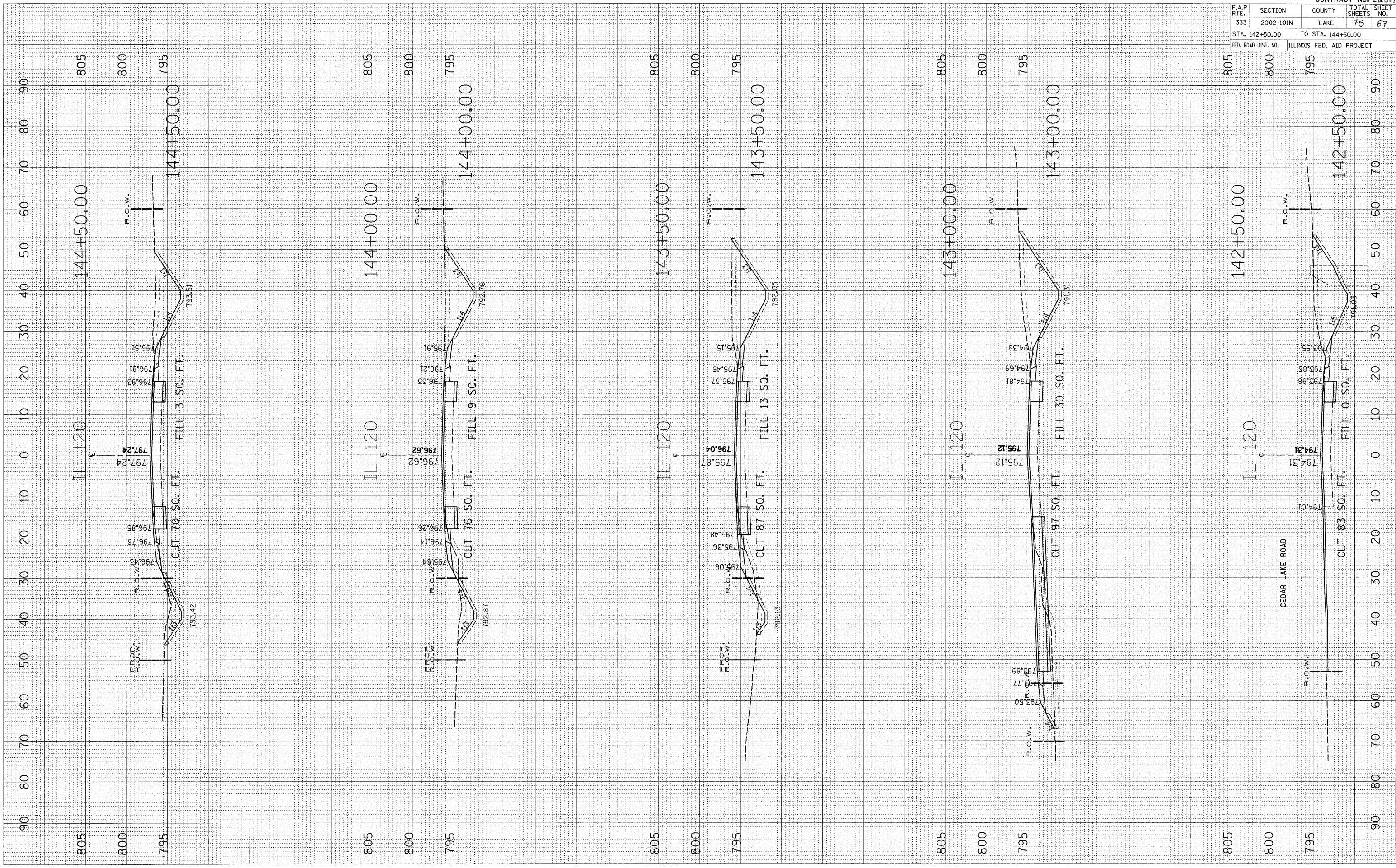
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ORIGINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED

FINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED

BY _____ DATE _____



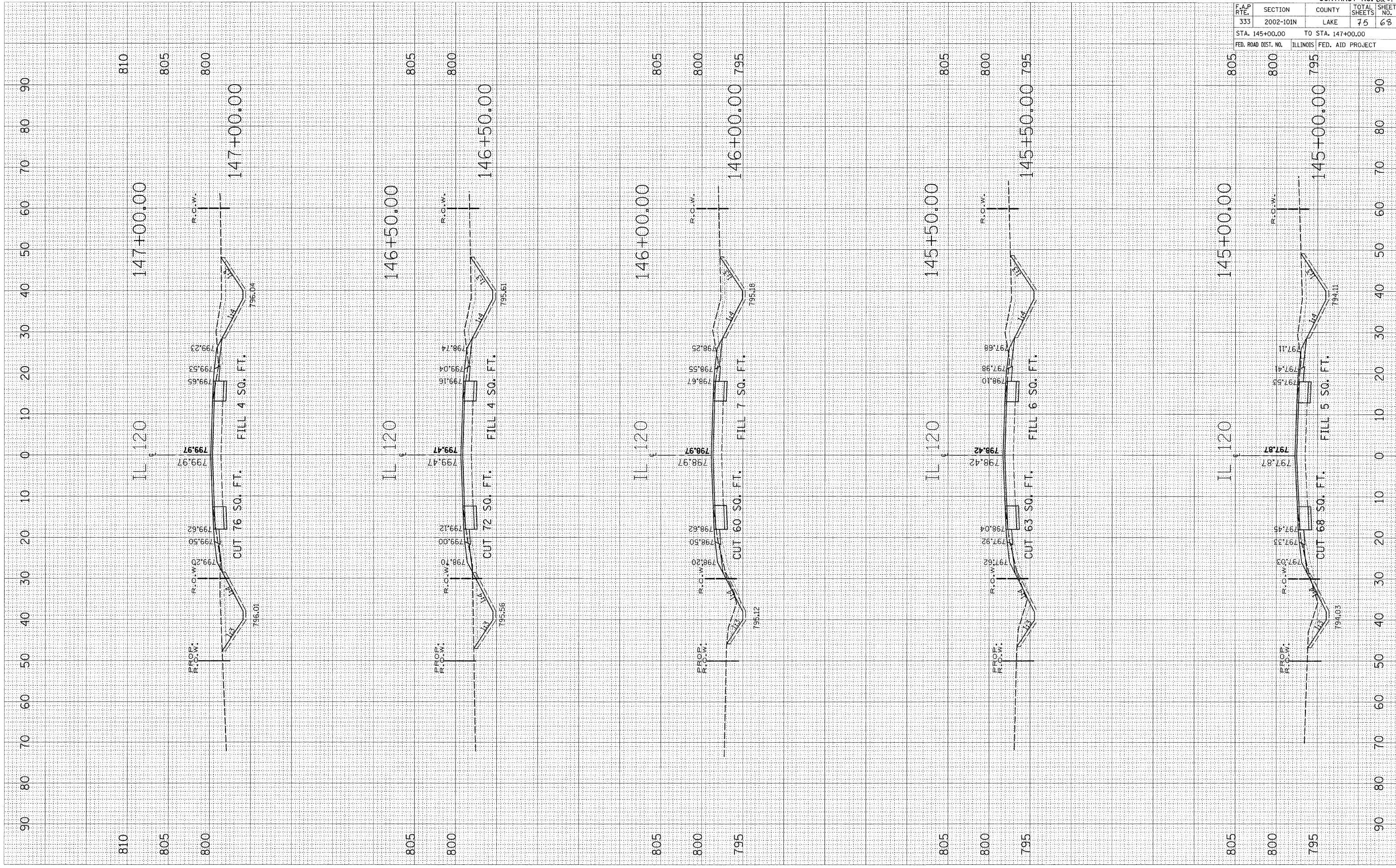
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	67
STA. 142+50.00		TO STA. 144+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62514

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 USER NAME = mdujic

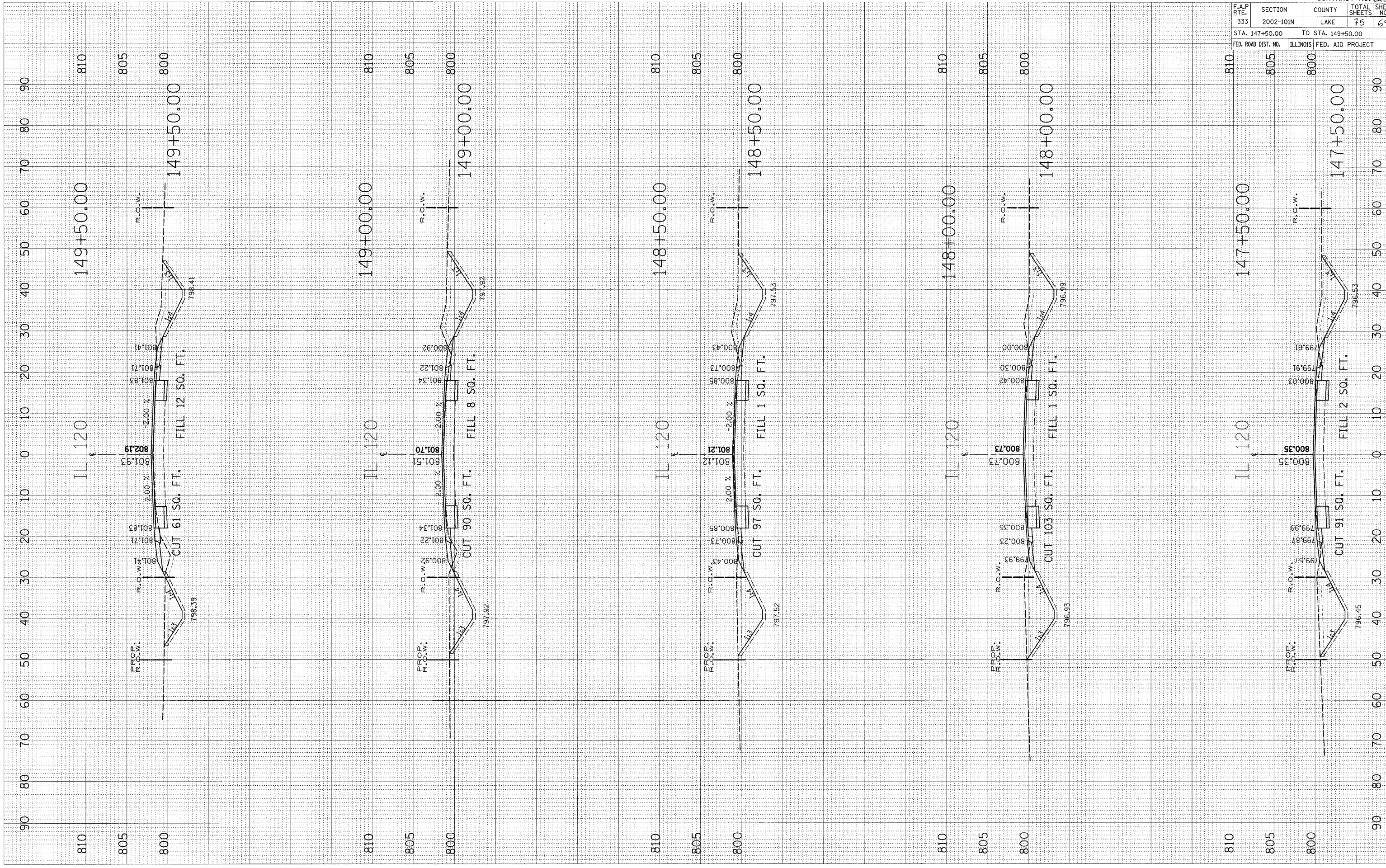
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 SURVEY PLOTTED
 NO. AREAS CHECKED

FINAL SURVEYED BY DATE
 SURVEY PLOTTED
 NO. AREAS CHECKED



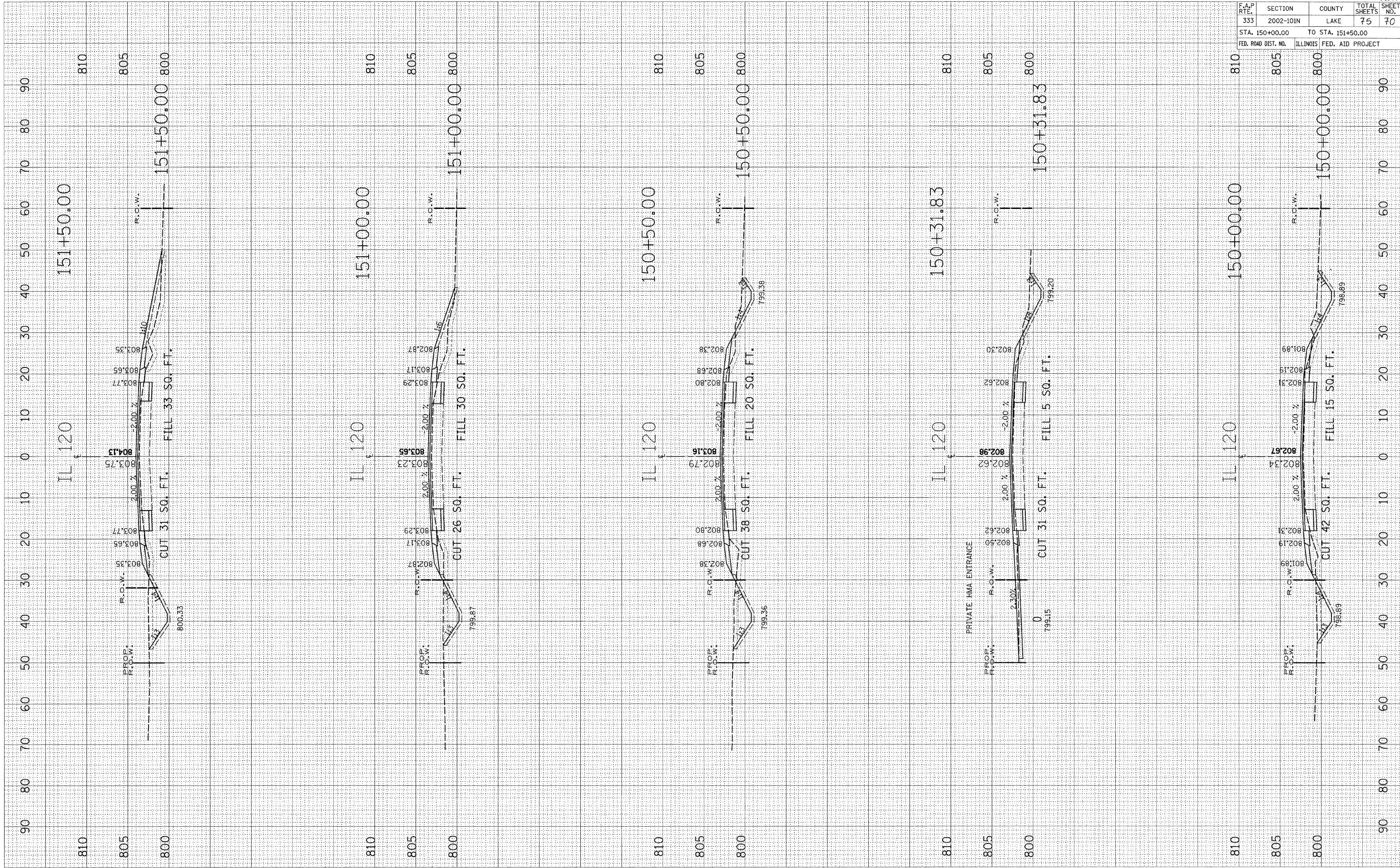
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	68
STA. 145+00.00		TO STA. 147+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62514



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	69
STA. 147+50.00		TO STA. 149+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62514



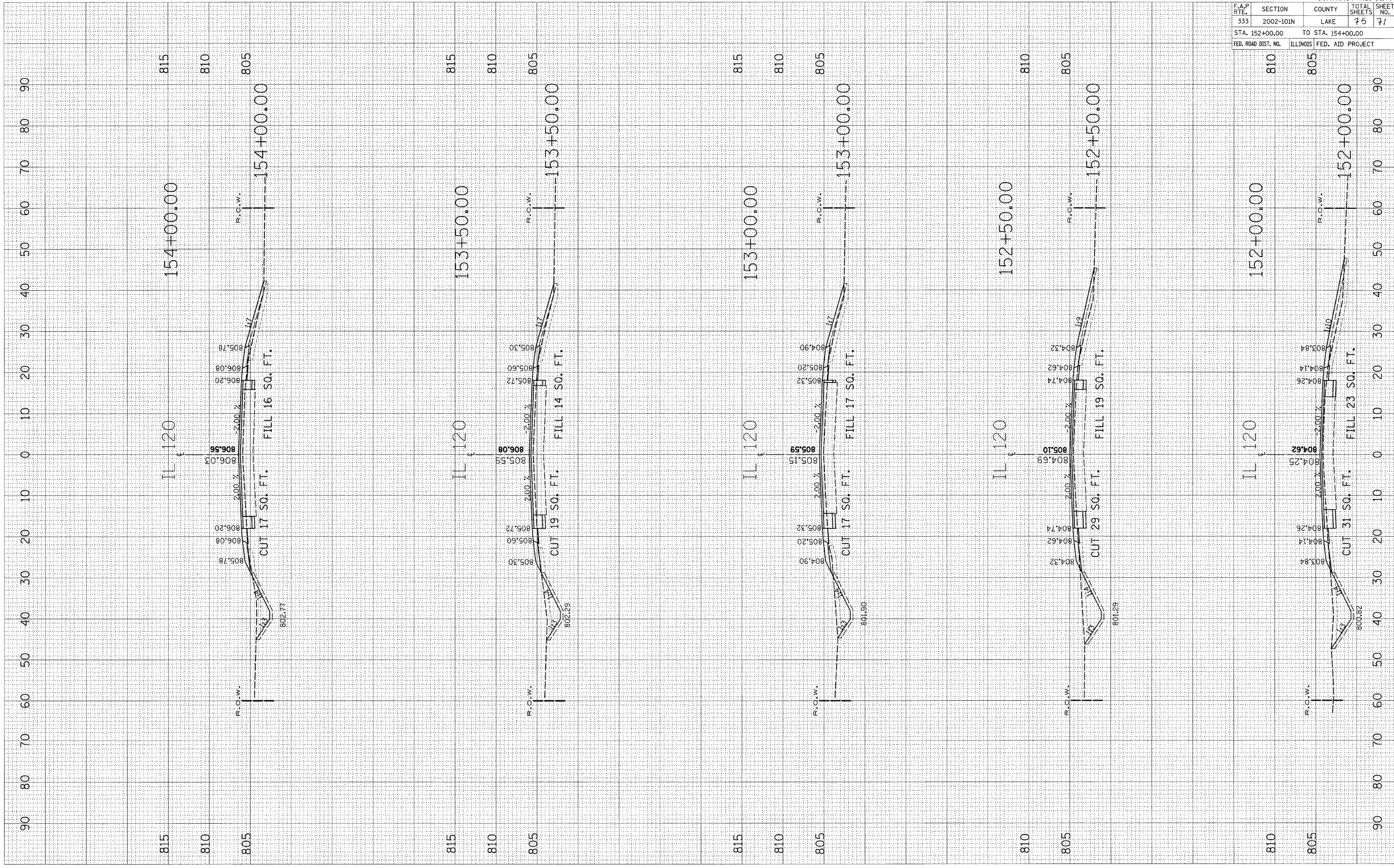
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333	2002-101N	LAKE	75	70
STA. 150+00.00		TO STA. 151+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 6254

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

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	71
STA. 152+00.00		TO STA. 154+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62514

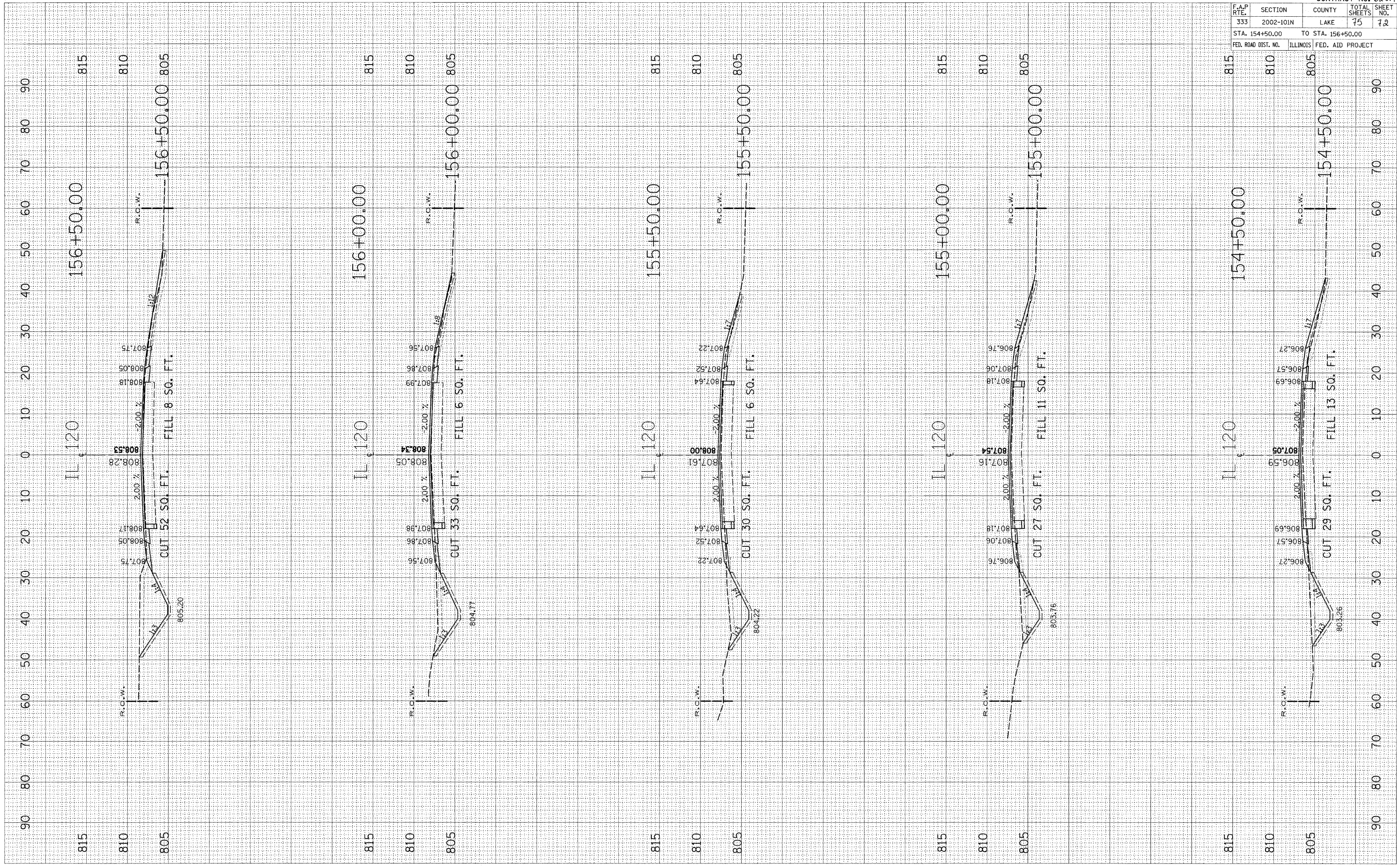
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 USER NAME = jay

ORIGINAL SURVEY SURVEYED
 SURVEYED SURVEYED
 PLOTTED PLOTTED
 DATE DATE
 BY BY

FINAL SURVEY SURVEYED
 SURVEYED SURVEYED
 NOTE BOOK NOTE BOOK
 AREAS CHECKED AREAS CHECKED
 NO. NO.

F.A.P. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	12
STA. 154+50.00		TO STA. 156+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

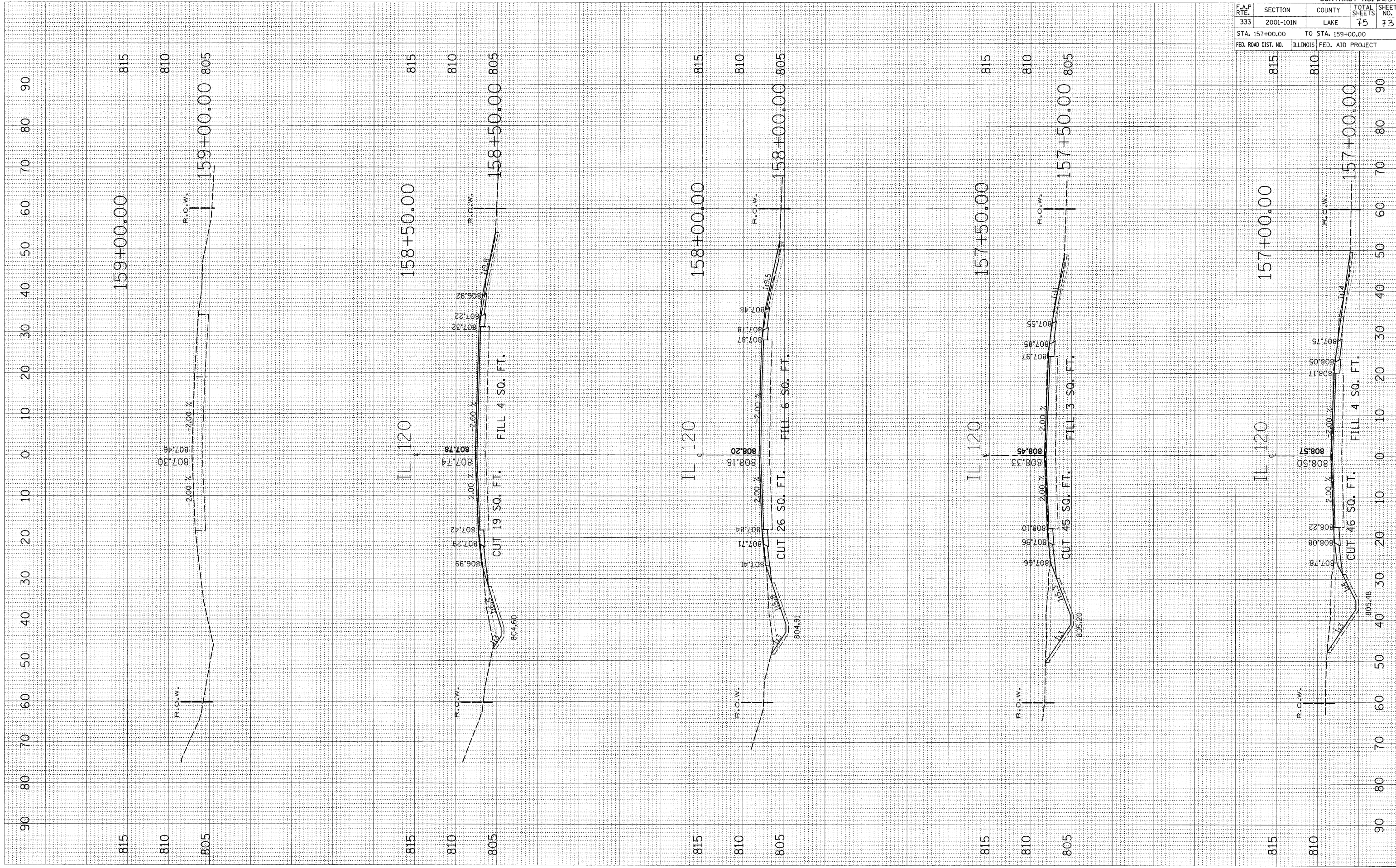
CONTRACT NO. 62514



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 USER NAME = mjaup

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

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



F.A.P. R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2001-101N	LAKE	75	73
STA. 157+00.00		TO STA. 159+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

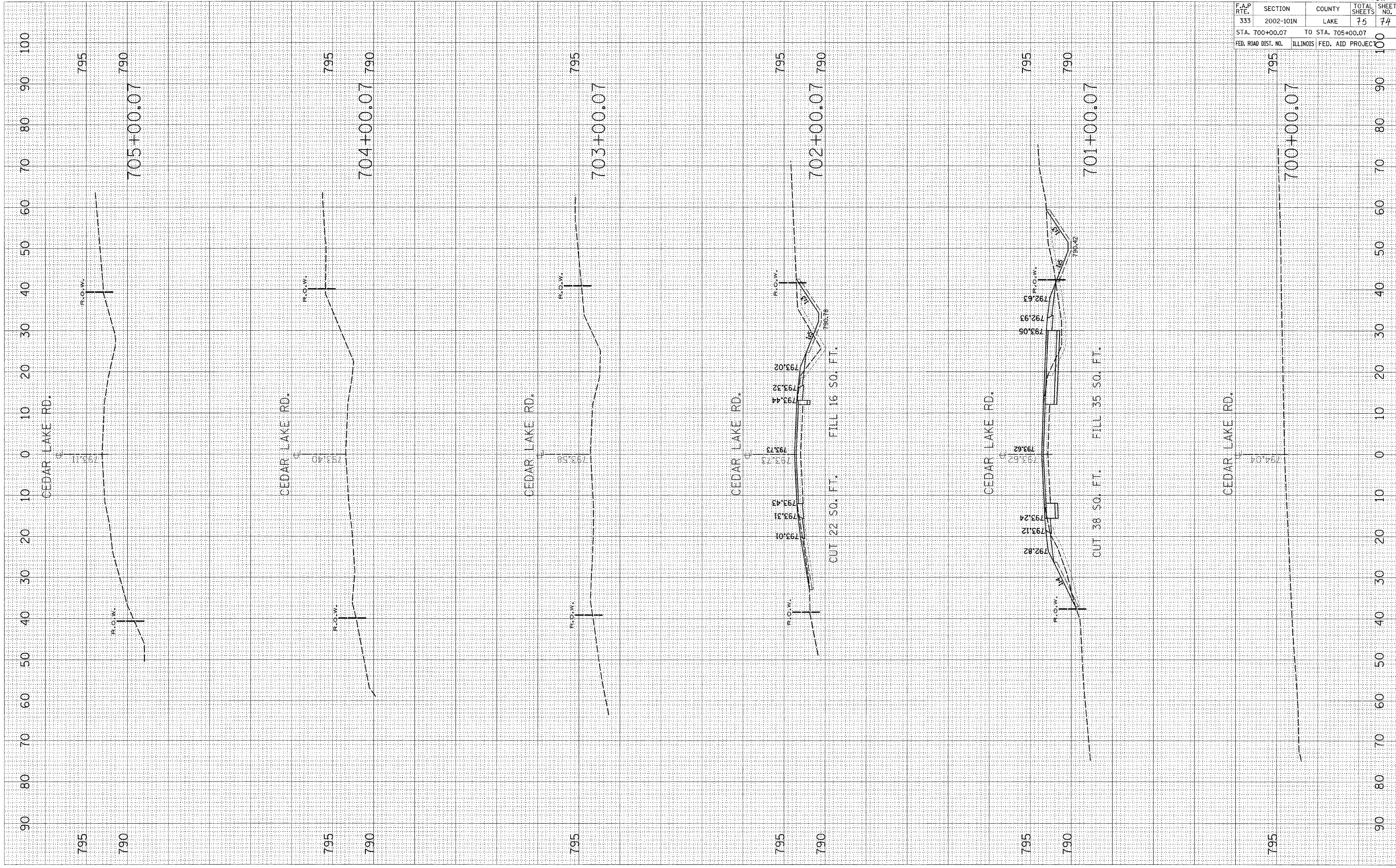
CONTRACT NO. 62514

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ORIGINAL SURVEY PLOTTED
 NO. AREAS CHECKED

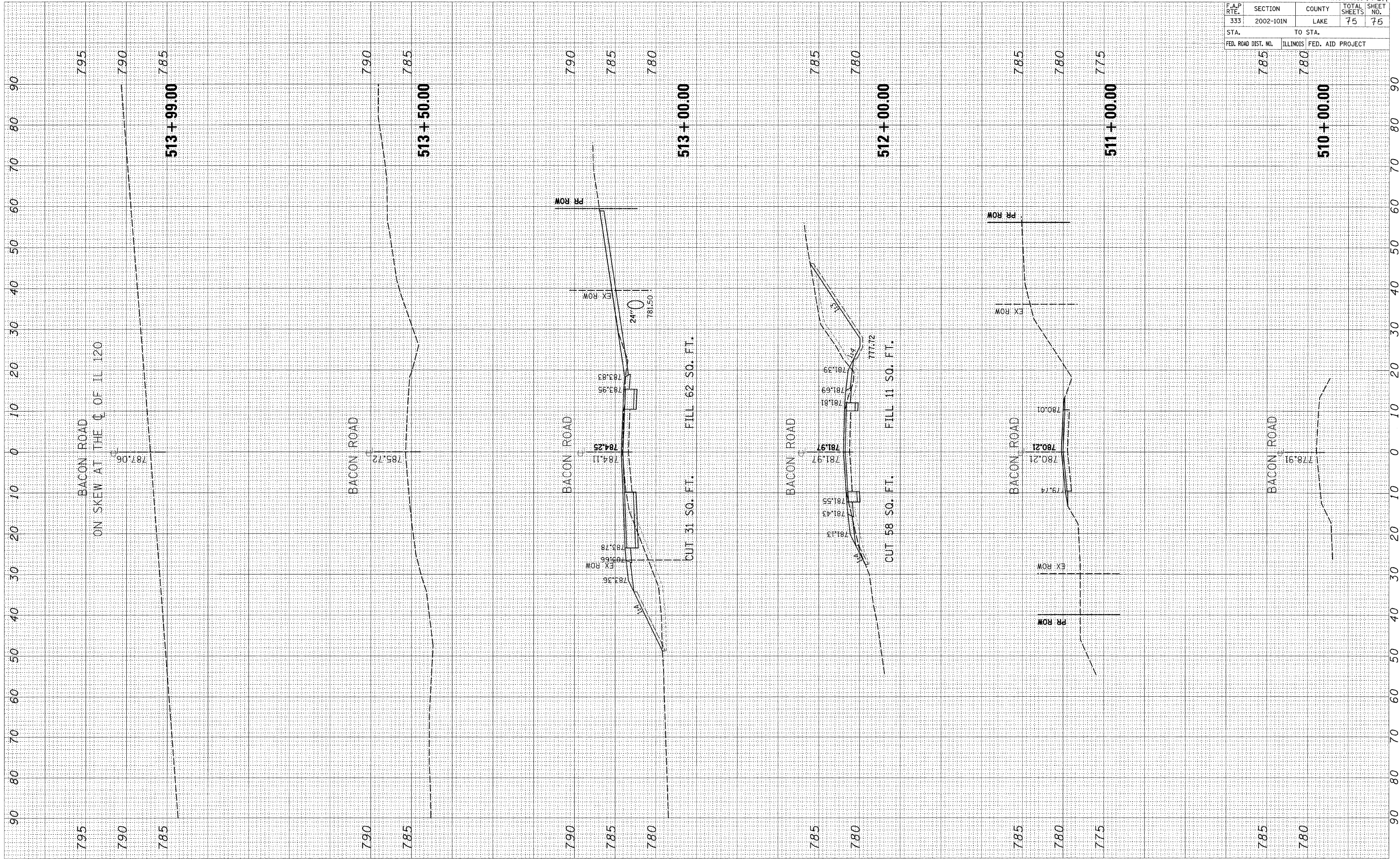
FINAL SURVEY PLOTTED
 NO. AREAS CHECKED

BY _____ DATE _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	74
STA. 700+00.07		TO STA. 705+00.07		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJEC	

CONTRACT NO. 62514



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2002-101N	LAKE	75	75
STA. 785		TO STA. 780		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		