

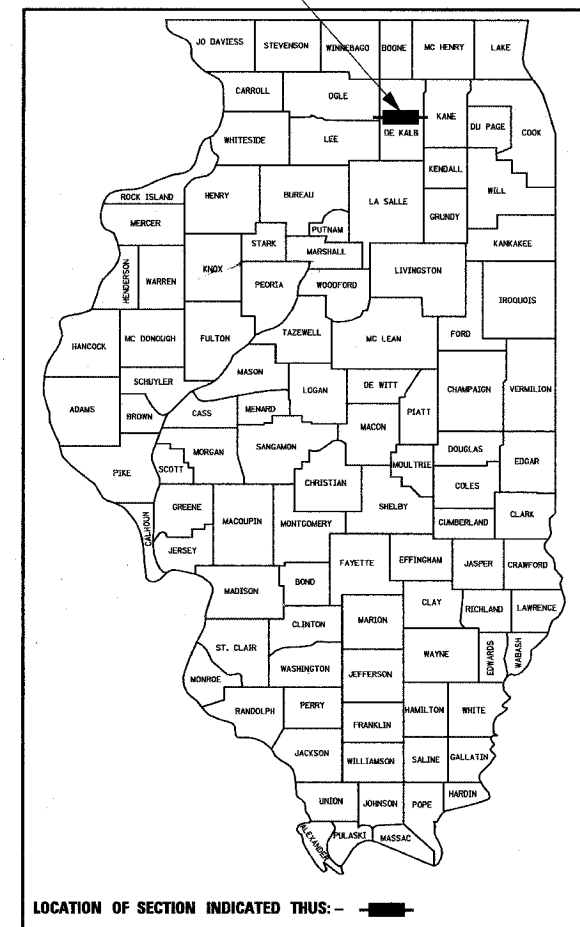
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-0001-00-PV		DEKALB	43	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
NORTHERN ILLINOIS UNIVERSITY
WEST ACCESS ROAD IMPROVEMENTS**

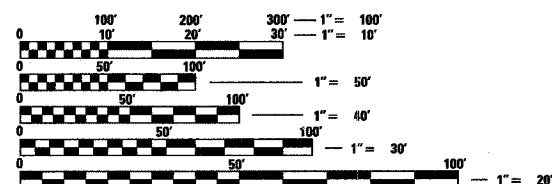
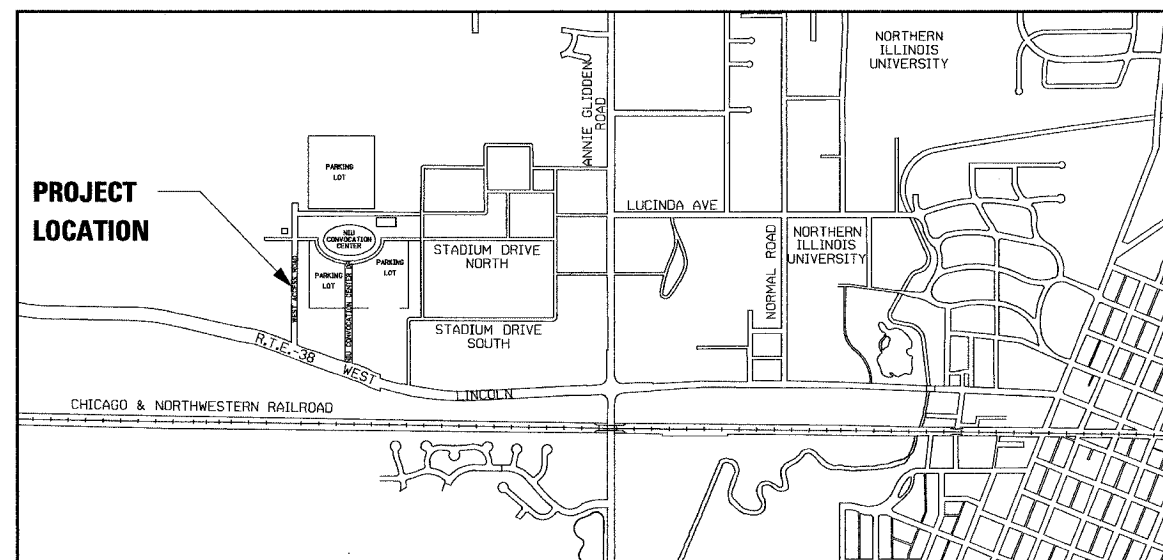
SECTION 04-0001-00-PV
PROJECT HD -000S(462)
DEKALB COUNTY
JOB NO. C-92-006-05

PROJECT LOCATION



- INDEX OF SHEETS**
- TITLE SHEET
 - SUMMARY OF QUANTITIES
 - GENERAL NOTES
 - 6. TYPICAL SECTIONS
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 - 9. ROADWAY PLANS
 - SANITARY SEWER AND WATER MAIN PLANS
 - PAVEMENT MARKING & SIGNING
 - ALIGNMENTS AND BENCHMARKS
 - TRAFFIC CONTROL DETAILS I-38
 - 16. INTERSECTION DETAILS
 - 18. DETENTION GRADING PLANS
 - 20. TEMPORARY EROSION CONTROL PLANS
 - 23. LIGHTING PLANS
 - CONVOCATION CENTER DRIVE NORTH CUL-DE-SAC DETAIL
 - 36. CROSS SECTIONS - WEST ACCESS ROAD
 - 41. CROSS SECTIONS - CONVOCATION CENTER DRIVE NORTH
 - 43. DEKALB SANITARY DISTRICT SEWER DETAILS

- HIGHWAY STANDARDS**
- 280001-02 TEMPORARY EROSION CONTROL
 - 424001-03 CURB RAMPS FOR SIDEWALKS
 - 602001 CATCH BASIN, TYPE A
 - 602011 CATCH BASIN, TYPE C
 - 602301 INLET, TYPE A
 - 602306 INLET, TYPE B
 - 602401 MANHOLE, TYPE A
 - 602406 MANHOLE TYPE A, 72" DIAMETER
 - 602701 CAST IRON STEPS
 - 604001-02 FRAME AND LIDS, TYPE 1
 - 604006-02 FRAME AND GRATE, TYPE 3
 - 606001-02 COMBINATION CONCRETE CURB AND GUTTER
 - 701502-02 URBAN LANE CLOSURE, 2L 2W WITH BLTL
 - 701601-02 URBAN LANE CLOSURE, 1W OR 2W, WITH NTM
 - 701602-02 URBAN LANE CLOSURE, MULTILANE 2W, WITH BLTL
 - 701701-02 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 - 702001-02 TRAFFIC CONTROL DEVICES
 - 720001 SIGN PANEL MOUNTING DETAILS
 - 720006 SIGN PANEL ERECTION DETAILS
 - 780001-01 TYPICAL PAVEMENT MARKINGS
 - BLR 21-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES



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

CONTRACT NO. 85360

UTILITY NOTE

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED AMONG THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS, ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CHARLES P. SMITH
062-066266
DATE: 4/20/05
LIC. EXPIRES: 4/20/05

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HANSON
HANSON PROFESSIONAL SERVICES INC.
6775 FINCHAM DRIVE
ROCKFORD, IL 61108-3001

ILLINOIS DESIGN FIRM
LICENSE NO: 184-001-084

APPROVED: [Signature] 2005
LOCAL AGENCY OFFICIAL

PASSED: [Signature] 5-6-2005
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

APPROVED: [Signature] 5-6-2005
DISTRICT ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE 1000-2A

CODED PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	29935
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4162
20201500	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	4527
* 20400100	BORROW EXCAVATION	CU YD	24187
20800150	TRENCH BACKFILL	CU YD	1518
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	26017
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	2317
25000200	SEEDING, CLASS 2	ACRE	5.85
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	527
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	527
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	527
25100115	MULCH, METHOD 2	ACRE	5.85
35100100	AGGREGATE BASE COURSE, TYPE A	TON	56
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3059
40600980	BITUMINOUS SURFACE REMOVAL BUTT JOINT	SQ YD	119
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2206
44000100	PAVEMENT REMOVAL	SQ YD	1053
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	681
* 44000920	BITUMINOUS SHOULDER REMOVAL	SQ YD	95
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1
55100500	STORM SEWER REMOVAL 12"	FOOT	32
55100900	STORM SEWER REMOVAL 18"	FOOT	29
55101200	STORM SEWER REMOVAL 24"	FOOT	22
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	89
* 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	586
* 56104900	WATER VALVES 6"	EACH	1
* 56105200	WATER VALVES 12"	EACH	2
* 56400710	FIRE HYDRANT AND VALVE (SPECIAL)	EACH	1
60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1
60204005	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1
60207105	CATCH BASINS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	1
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	6
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
* 60228100	MANHOLE SANITARY, TYPE 1 FRAME, CLOSED LID	EACH	2
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	2
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1
60255500	MANHOLES TO BE ADJUSTED	EACH	7
60500040	REMOVING MANHOLES	EACH	3
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4673
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	100
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3.5
* 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300200	TEMPORARY PAVEMENT MARKING	FOOT	132
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	66
72000100	SIGN PANEL - TYPE 1	SQ FT	60
72000200	SIGN PANEL - TYPE 2	SQ FT	10
73000100	WOOD SIGN SUPPORT	FOOT	110

- INDICATES PAY ITEM COVERED BY SPECIAL PROVISION
- * SPECIALTY ITEM

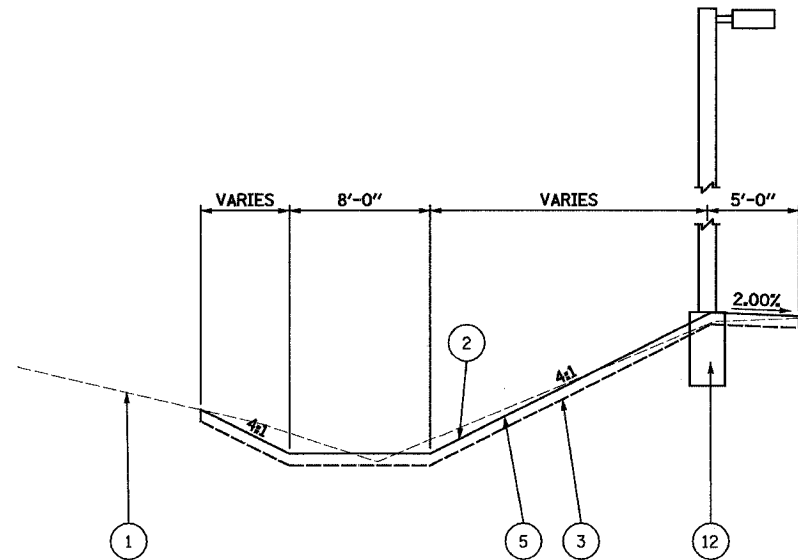
CODED PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	82
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1619
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	265
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	51
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	101
* 78300105	PAVEMENT MARKING REMOVAL	FOOT	1265
* 80600200	GROUNING ELECTRODE BELOW GRADE	EACH	15
* 81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	1310
* 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	445
* 81018300	CONDUIT PUSHED, 1 1/4" DIA., GALVANIZED STEEL	FOOT	250
* 81018400	CONDUIT PUSHED, 1 1/2" DIA., GALVANIZED STEEL	FOOT	40
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1760
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 6	FOOT	6350
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 4	FOOT	4800
* 83600100	LIGHT POLE FOUNDATION	EACH	15
* 84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1
* 84200700	LIGHTING FOUNDATION REMOVAL	EACH	1
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	257
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	82
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	113
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	411
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	312
550B0330	STORM SEWERS, CLASS B, TYPE 2 10"	FOOT	34
* X0323927	MAINTENANCE OF LIGHTING SYSTEM	EACH	1
* X0976500	END SECTIONS TO BE REMOVED	EACH	4
* X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	1154
* X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	2001
* X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	2
* X8440102	RELOCATE EXISTING LUMINAIRE	EACH	1
* X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
* XX003952	TEMPORARY EROSION CONTROL COMPLETE	L SUM	1
* XX004731	CONNECT TO EXISTING WATER MAIN	EACH	1
* XX005106	PVC CASING PIPE, 18"	FOOT	85
* XX005887	SANITARY MANHOLE TIE-IN	EACH	1
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1
* Z0057100	SANITARY SEWER 12"	FOOT	466
* XX006217	SANITARY SEWER SERVICE 8"	FOOT	20
* XX006218	STORM SEWERS, DUCTILE IRON PIPE, 6", CLASS 51	FOOT	27
* XX006220	LUMINAIRE, METAL HALIDE, CURVILINEAR, 400W (ARCHITECTURAL)	EACH	14
* XX006221	LIGHT POLE, STEEL 20 FT. M.H., SHORT BRACKET - 8 IN.	EACH	15
* XX006219	JUNCTION BOX ATTACHED TO STRUCTURE 10" X 8" X 4"	EACH	1
* XX006222	CONDUIT ENCASED, REINFORCED CONCRETE, 5" DIA., PVC 3 WIDE X 2 HIGH	FOOT	75

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SECTION 04-00001-00-PV DEKALB COUNTY NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
NAME	DATE	
		GENERAL NOTES & QUANTITIES
SCALE:	VERT. DATE 04/05/05	HORIZ. DATE 04/05/05
DRAWN BY	RLA	CHECKED BY
		MGD

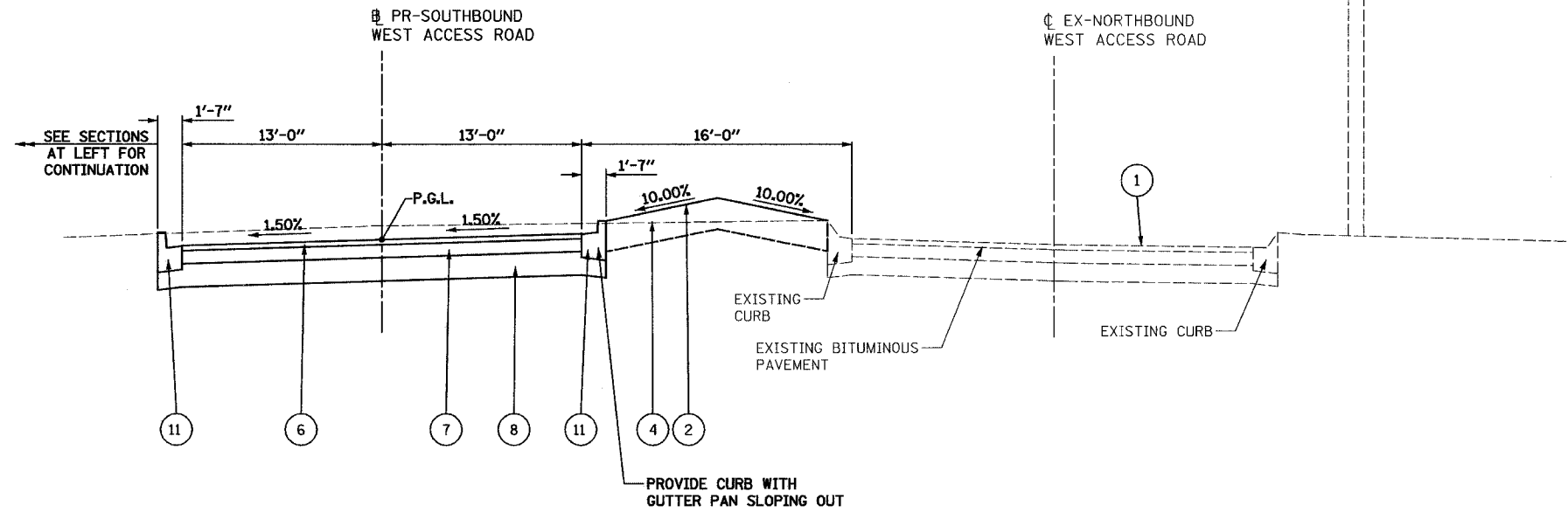


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 FILE: 04-00001-00-PV.dwg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

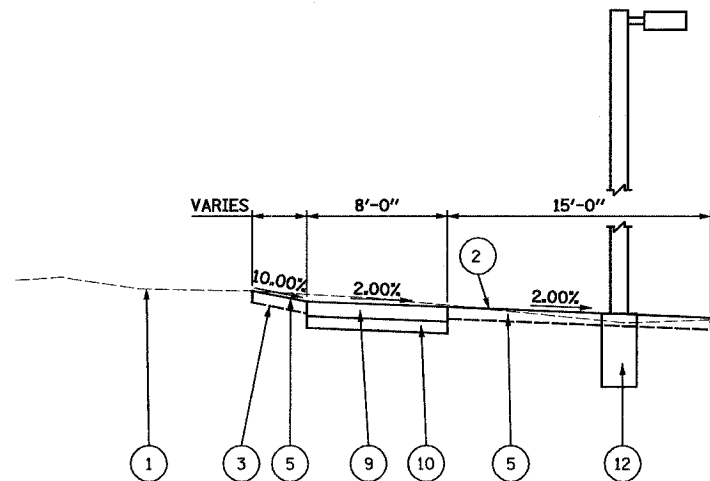


PROPOSED DITCH SECTION
STA. 11+38.77 TO STA. 20+75.00



TYPICAL SECTION
STA. 11+38.77 TO STA. 23+79.33

INTERSECTION OMISSION
STA. 10+66.16 TO STA. 11+38.77
STA. 15+70.33 TO STA. 16+88.96
STA. 20+75.00 TO STA. 21+95.38
STA. 23+79.33 TO STA. 25+20.00



PROPOSED SIDEWALK SECTION
STA. 21+87.86 TO STA. 23+79.33

LEGEND

- | | |
|---|---|
| ① EXISTING GROUND LINE | ⑦ PROPOSED BITUMINOUS CONCRETE BINDER COURSE,
SUPERPAVE, IL-19.0, 4.5" |
| ② PROPOSED GROUND LINE | ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 9" |
| ③ PROPOSED TOPSOIL FURNISH AND PLACE, 4" | ⑨ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5" |
| ④ PROPOSED TOPSOIL FURNISH AND PLACE, 12" | ⑩ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4" |
| ⑤ PROPOSED SEEDING, CLASS 2 | ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 |
| ⑥ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE,
SUPERPAVE, MIX "C", N50, 2.5" | ⑫ PROPOSED LIGHT POLE AND BASE (SEE LIGHTING PLANS FOR LOCATIONS) |

MIX	SUPERPAVE SURFACE COURSE	SUPERPAVE BINDER COURSE
PG GRADE	PG64-22	PG64-22
RAP % (MAX) **	30%	30%
DESIGN AIR VOIDS	3% @ N50	2% @ N50
MIXTURE COMPOSITION	IL-9.5 OR IL-12.5	IL-19.0
FRICTION AGGREGATE	MIXTURE C	N/A
MIXTURE WEIGHT	112 LB/SQ YD/IN	112 LB/SQ YD/IN

**IF THE RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

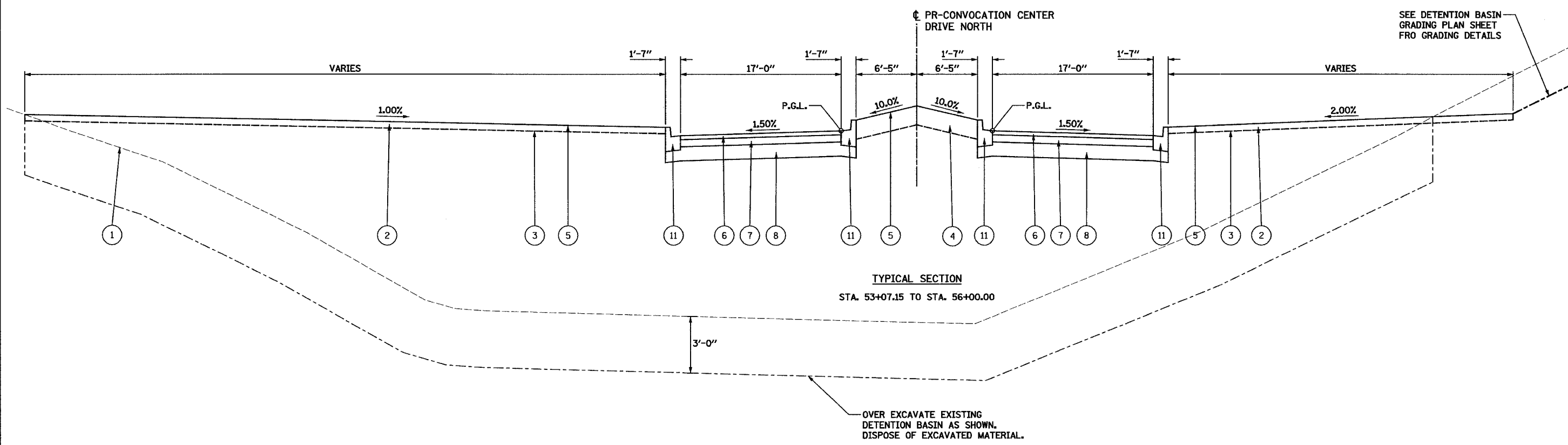
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SECTION 04-00001-00-PV DEKALB COUNTY NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD WEST ACCESS ROAD TYPICAL SECTION
NAME	DATE	

SCALE: VERT. HORIZ. DATE 04/05/05 DRAWN BY RLA CHECKED BY MGD

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LAYOUT RLA 10/03/05 rwh
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND	
① EXISTING GROUND LINE	⑦ PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, 4.5"
② PROPOSED GROUND LINE	⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 9"
③ PROPOSED TOPSOIL FURNISH AND PLACE, 4"	⑨ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
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⑤ PROPOSED SEEDING, CLASS 2	⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
⑥ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2.5"	⑫ PROPOSED LIGHT POLE AND BASE (SEE LIGHTING PLANS FOR LOCATIONS)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
CONVOCATION CENTER DRIVE NORTH
TYPICAL SECTION

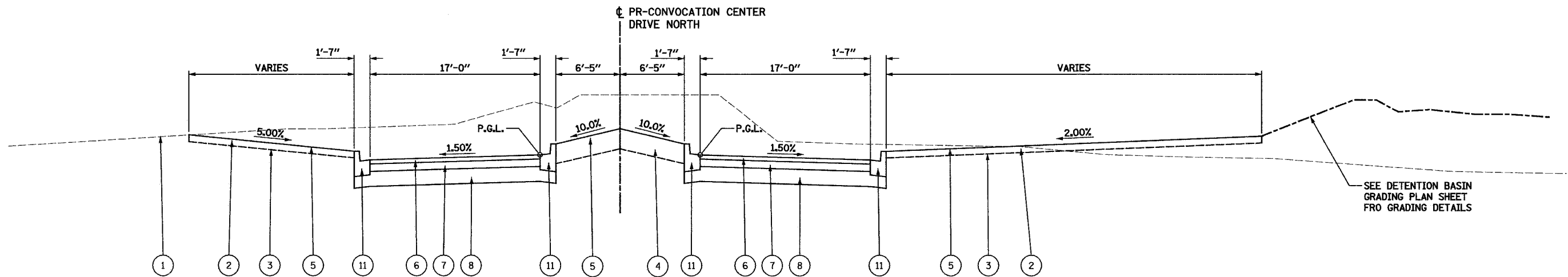
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 DRAWN RLA 04/05/05 04/14/2005
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION
STA. 56+00.00 TO STA. 57+00.00

SEE DETENTION BASIN
GRADING PLAN SHEET
FOR GRADING DETAILS

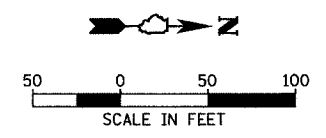
LEGEND

- | | |
|---|---|
| ① EXISTING GROUND LINE | ⑦ PROPOSED BITUMINOUS CONCRETE BINDER COURSE,
SUPERPAVE, IL-19.0, 4.5" |
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SUPERPAVE, MIX "C", N50, 2.5" | ⑫ PROPOSED LIGHT POLE AND BASE (SEE LIGHTING PLANS FOR LOCATIONS) |

REVISIONS	
NAME	DATE

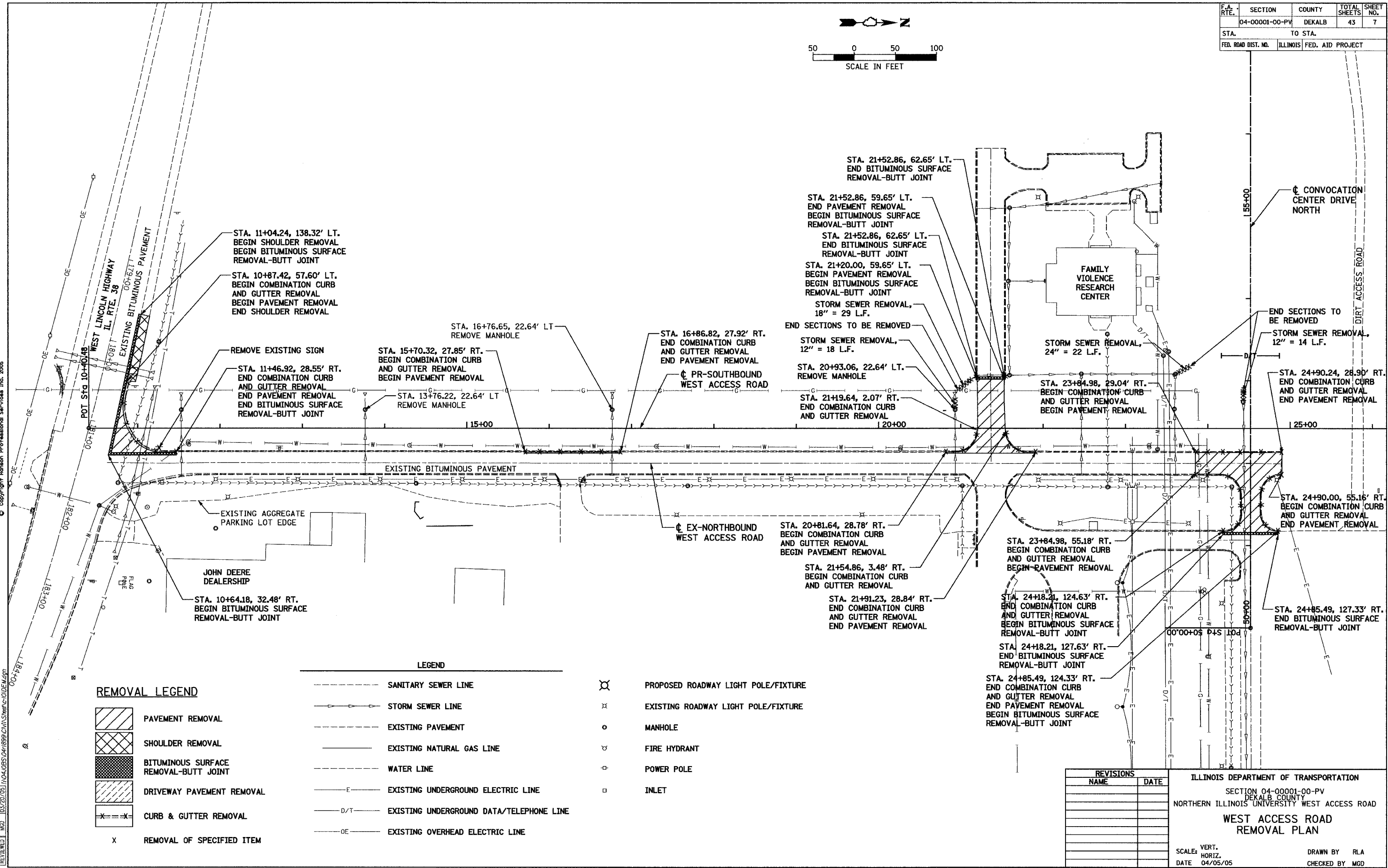
ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
**CONVOCACTION CENTER DRIVE NORTH
TYPICAL SECTION**
SCALE: VERT. _____
HORIZ. _____
DATE 04/05/05
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-0001-00-PV	DEKALB	43	7	
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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REVIEWED MGD 03/20/05
PROJECT NO. 04-0001-00-PV-0001-00-0001-0001



REMOVAL LEGEND

	PAVEMENT REMOVAL
	SHOULDER REMOVAL
	BITUMINOUS SURFACE REMOVAL-BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL
	CURB & GUTTER REMOVAL
X	REMOVAL OF SPECIFIED ITEM

LEGEND

	SANITARY SEWER LINE		PROPOSED ROADWAY LIGHT POLE/FIXTURE
	STORM SEWER LINE		EXISTING ROADWAY LIGHT POLE/FIXTURE
	EXISTING PAVEMENT		MANHOLE
	EXISTING NATURAL GAS LINE		FIRE HYDRANT
	WATER LINE		POWER POLE
	EXISTING UNDERGROUND ELECTRIC LINE		INLET
	EXISTING UNDERGROUND DATA/TELEPHONE LINE		
	EXISTING OVERHEAD ELECTRIC LINE		

REVISIONS

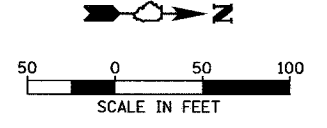
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-0001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
**WEST ACCESS ROAD
REMOVAL PLAN**

SCALE: VERT. _____
HORIZ. _____
DATE 04/05/05

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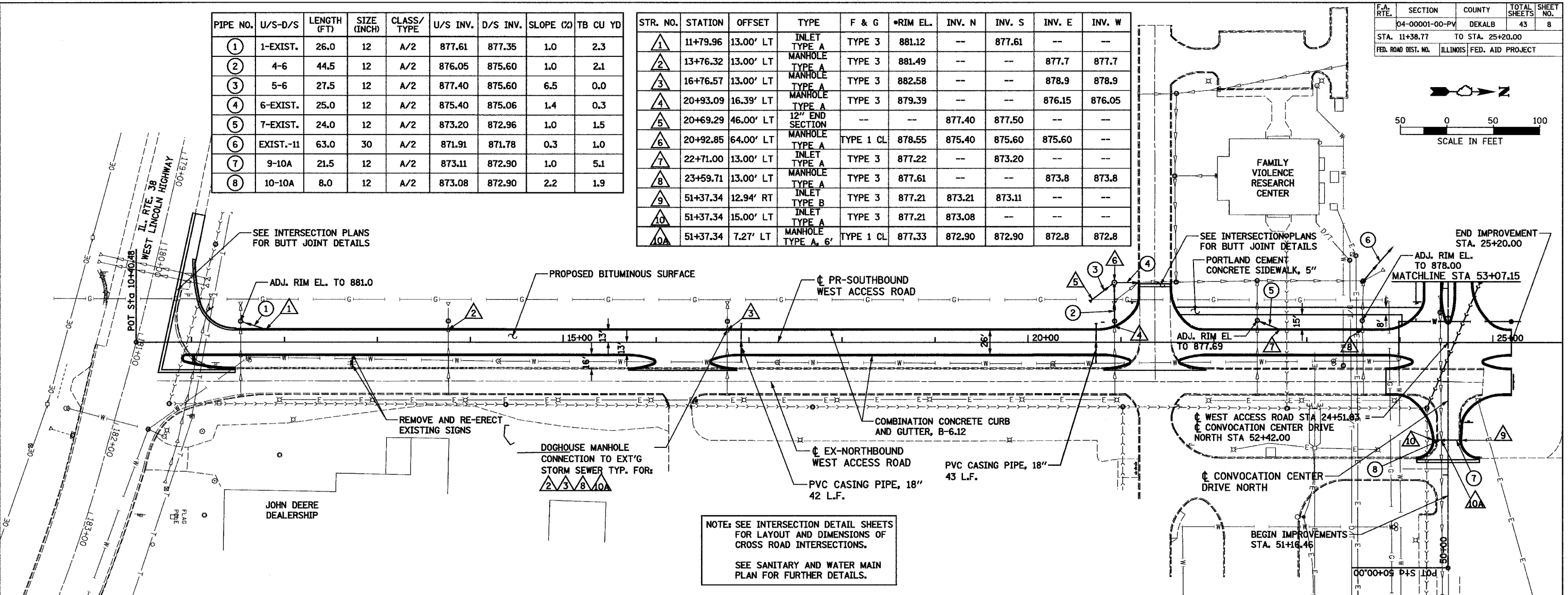
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00001-00-PV	DEKALB	43	8	
STA. 11+38.77	TO STA. 25+20.00			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



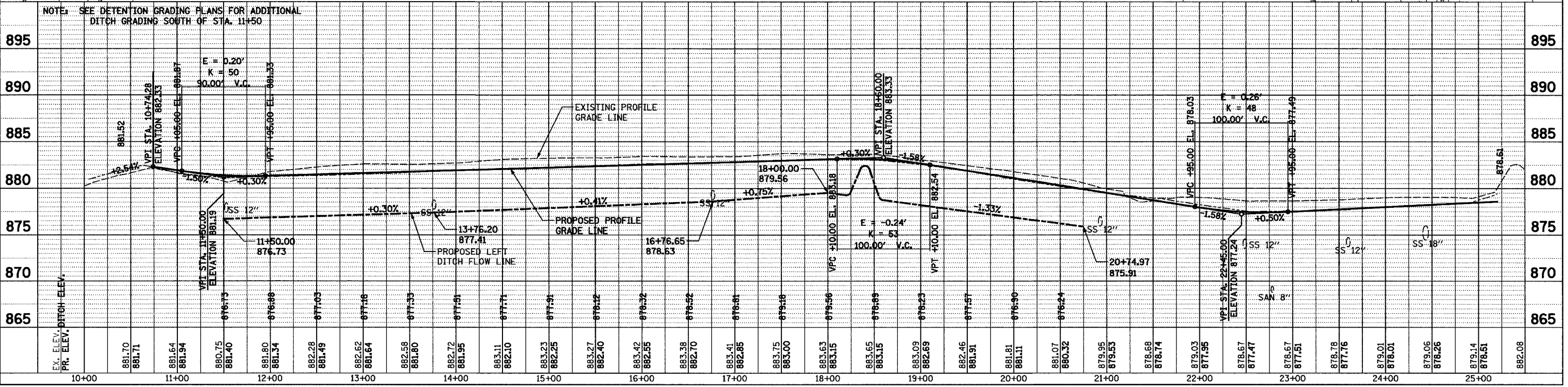
PIPE NO.	U/S-D/S	LENGTH (FT)	SIZE (INCH)	CLASS/TYPE	U/S INV.	D/S INV.	SLOPE (%)	TB CU YD
1	1-EXIST.	26.0	12	A/2	877.61	877.35	1.0	2.3
2	4-6	44.5	12	A/2	876.05	875.60	1.0	2.1
3	5-6	27.5	12	A/2	877.40	875.60	6.5	0.0
4	6-EXIST.	25.0	12	A/2	875.40	875.06	1.4	0.3
5	7-EXIST.	24.0	12	A/2	873.20	872.96	1.0	1.5
6	EXIST.-11	63.0	30	A/2	871.91	871.78	0.3	1.0
7	9-10A	21.5	12	A/2	873.11	872.90	1.0	5.1
8	10-10A	8.0	12	A/2	873.08	872.90	2.2	1.9

STR. NO.	STATION	OFFSET	TYPE	F & G	RIM EL.	INV. N	INV. S	INV. E	INV. W
1	11+79.96	13.00' LT	INLET TYPE A	TYPE 3	881.12	--	877.61	--	--
2	13+76.32	13.00' LT	MANHOLE TYPE A	TYPE 3	881.49	--	--	877.7	877.7
3	16+76.57	13.00' LT	MANHOLE TYPE A	TYPE 3	882.58	--	--	878.9	878.9
4	20+93.09	16.39' LT	MANHOLE TYPE A	TYPE 3	879.39	--	--	876.15	876.05
5	20+69.29	46.00' LT	12" END SECTION	--	--	877.40	877.50	--	--
6	20+92.85	64.00' LT	MANHOLE TYPE A	TYPE 1 CL	878.55	875.40	875.60	875.60	--
7	22+71.00	13.00' LT	INLET TYPE A	TYPE 3	877.22	--	873.20	--	--
8	23+59.71	13.00' LT	MANHOLE TYPE A	TYPE 3	877.61	--	--	873.8	873.8
9	51+37.34	12.94' RT	INLET TYPE B	TYPE 3	877.21	873.21	873.11	--	--
10	51+37.34	15.00' LT	INLET TYPE A	TYPE 3	877.21	873.08	--	--	--
10A	51+37.34	7.27' LT	MANHOLE TYPE A, 6'	TYPE 1 CL	877.33	872.90	872.90	872.8	872.8

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 SURVEYED BY: [] DATE: []
 PLAN NO. []
 NOTE BOOK NO. []
 ALIGNED CHECKED BY: []
 FIELD FILE NAME: []
 PROFILE SURVEYED BY: [] DATE: []
 GRADES CHECKED BY: []
 STRUCTURE NOTATIONS: []



NOTE: SEE INTERSECTION DETAIL SHEETS FOR LAYOUT AND DIMENSIONS OF CROSS ROAD INTERSECTIONS.
SEE SANITARY AND WATER MAIN PLAN FOR FURTHER DETAILS.



NOTE: SEE DETENTION GRADING PLANS FOR ADDITIONAL DITCH GRADING SOUTH OF STA. 11+50

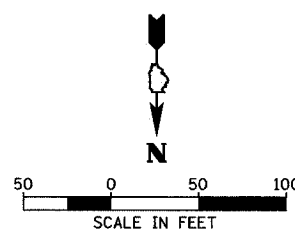
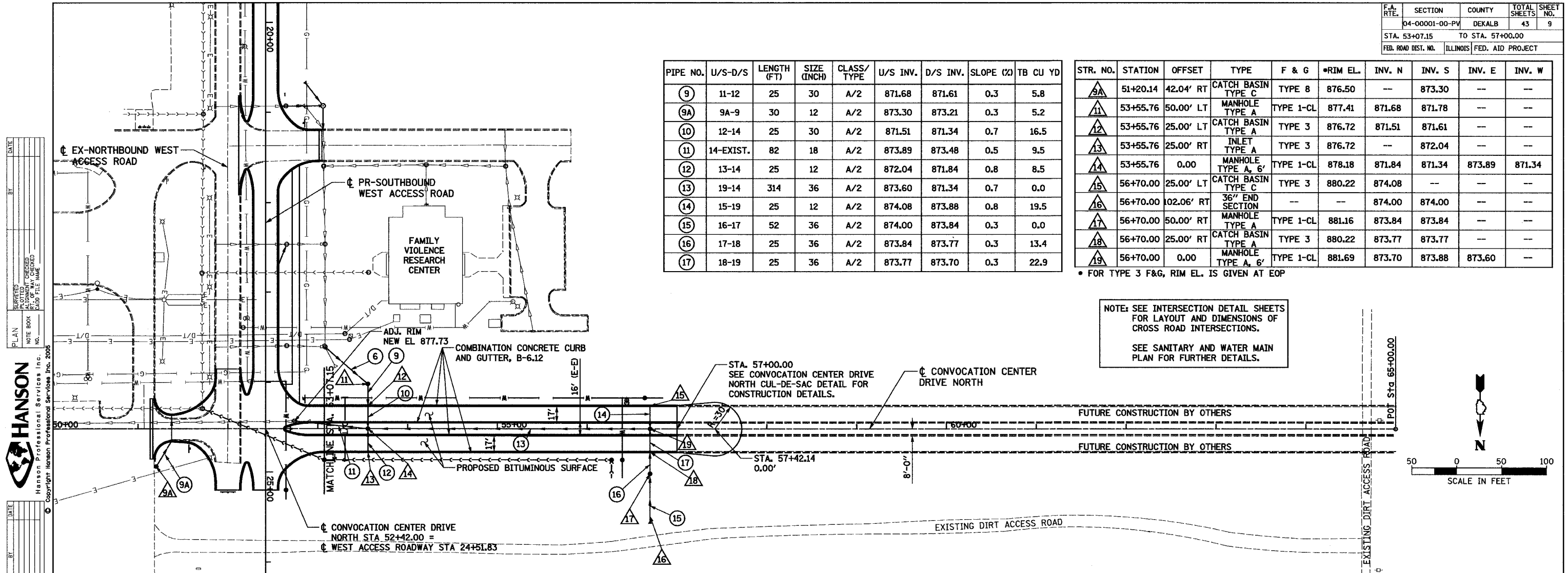
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00001-00-PV	DEKALB	43	9	
STA. 53+07.15		TO STA. 57+00.00		
ILLINOIS		FED. AID PROJECT		

PIPE NO.	U/S-D/S	LENGTH (FT)	SIZE (INCH)	CLASS/TYPE	U/S INV.	D/S INV.	SLOPE (%)	TB CU YD
9	11-12	25	30	A/2	871.68	871.61	0.3	5.8
9A	9A-9	30	12	A/2	873.30	873.21	0.3	5.2
10	12-14	25	30	A/2	871.51	871.34	0.7	16.5
11	14-EXIST.	82	18	A/2	873.89	873.48	0.5	9.5
12	13-14	25	12	A/2	872.04	871.84	0.8	8.5
13	19-14	314	36	A/2	873.60	871.34	0.7	0.0
14	15-19	25	12	A/2	874.08	873.88	0.8	19.5
15	16-17	52	36	A/2	874.00	873.84	0.3	0.0
16	17-18	25	36	A/2	873.84	873.77	0.3	13.4
17	18-19	25	36	A/2	873.77	873.70	0.3	22.9

STR. NO.	STATION	OFFSET	TYPE	F & G	*RIM EL.	INV. N	INV. S	INV. E	INV. W
9A	51+20.14	42.04' RT	CATCH BASIN TYPE C	TYPE 8	876.50	--	873.30	--	--
11	53+55.76	50.00' LT	MANHOLE TYPE A	TYPE 1-CL	877.41	871.68	871.78	--	--
12	53+55.76	25.00' LT	CATCH BASIN TYPE A	TYPE 3	876.72	871.51	871.61	--	--
13	53+55.76	25.00' RT	INLET TYPE A	TYPE 3	876.72	--	872.04	--	--
14	53+55.76	0.00	MANHOLE TYPE A, 6'	TYPE 1-CL	878.18	871.84	871.34	873.89	871.34
15	56+70.00	25.00' LT	CATCH BASIN TYPE C	TYPE 3	880.22	874.08	--	--	--
16	56+70.00	102.06' RT	36" END SECTION	--	--	874.00	874.00	--	--
17	56+70.00	50.00' RT	MANHOLE TYPE A	TYPE 1-CL	881.16	873.84	873.84	--	--
18	56+70.00	25.00' RT	CATCH BASIN TYPE A	TYPE 3	880.22	873.77	873.77	--	--
19	56+70.00	0.00	MANHOLE TYPE A, 6'	TYPE 1-CL	881.69	873.70	873.88	873.60	--

* FOR TYPE 3 F&G, RIM EL. IS GIVEN AT EOP

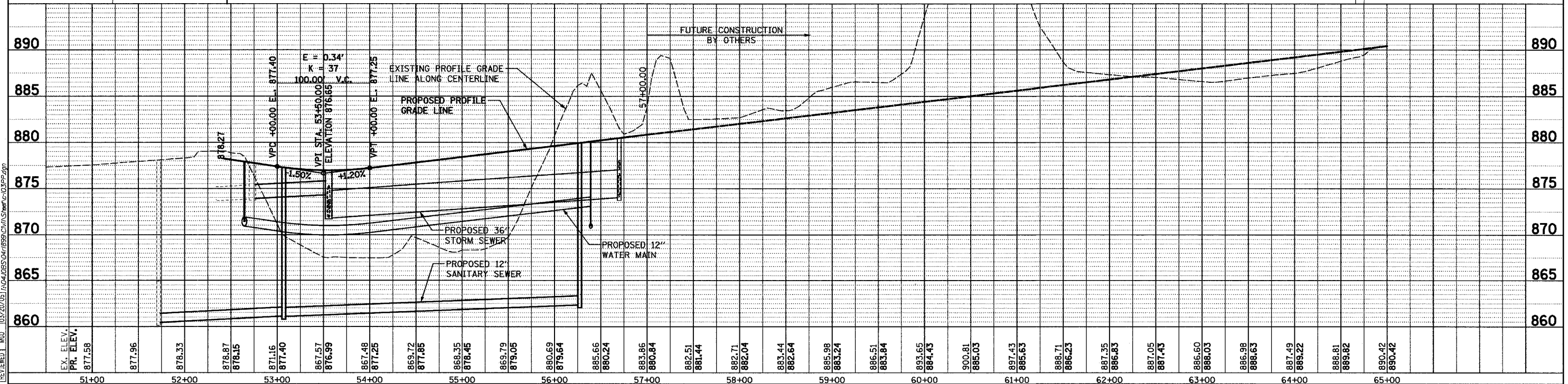
NOTE: SEE INTERSECTION DETAIL SHEETS FOR LAYOUT AND DIMENSIONS OF CROSS ROAD INTERSECTIONS.
SEE SANITARY AND WATER MAIN PLAN FOR FURTHER DETAILS.



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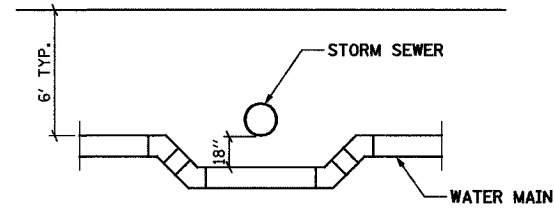
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 DATE: _____ BY: _____

REVIEWED: _____
 CHECKED: _____
 DRAWN: _____

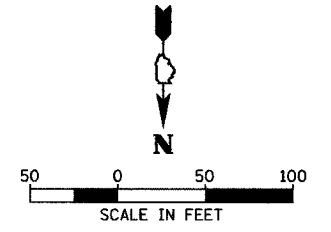


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

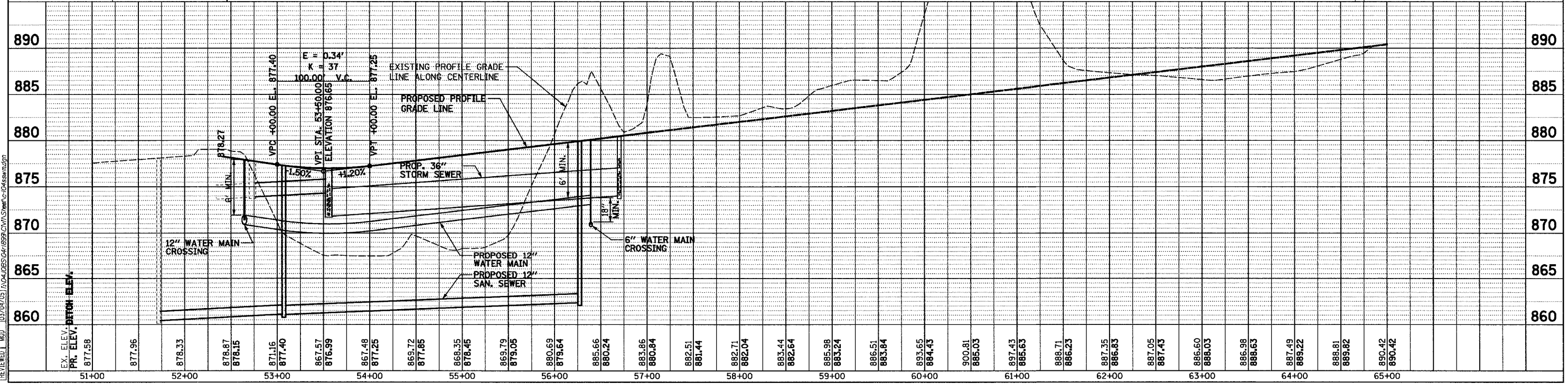
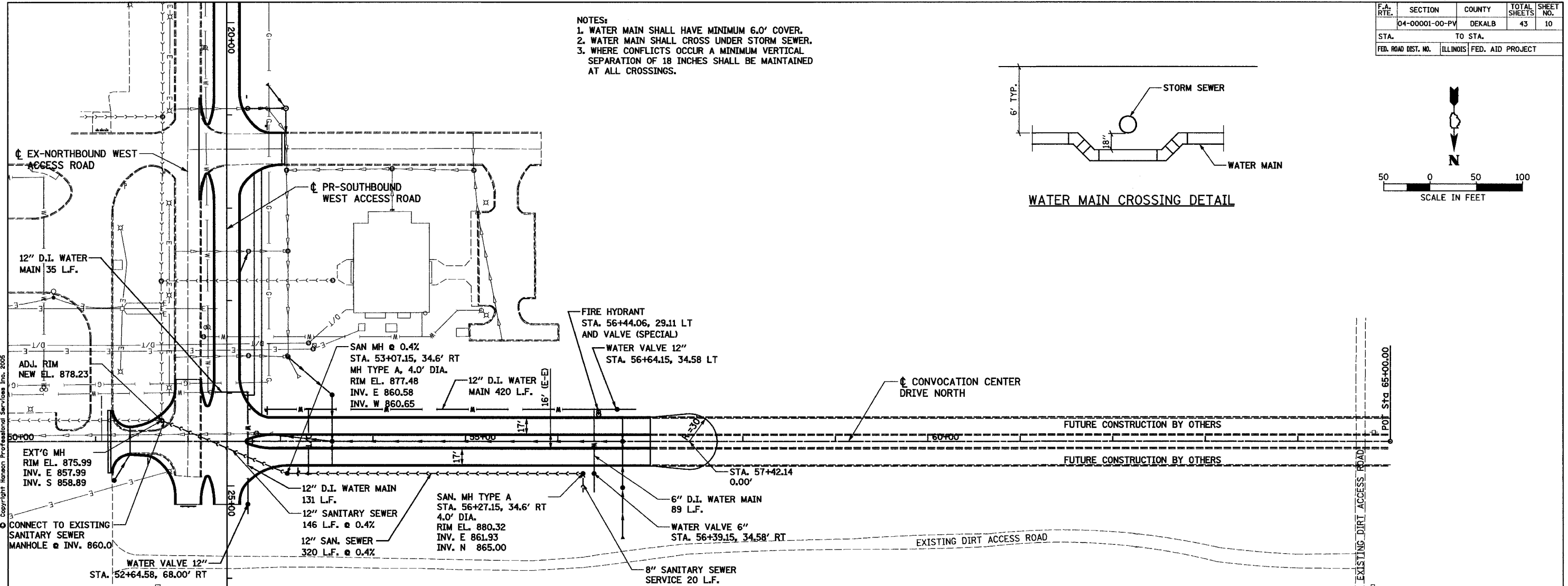
- NOTES:
 1. WATER MAIN SHALL HAVE MINIMUM 6.0' COVER.
 2. WATER MAIN SHALL CROSS UNDER STORM SEWER.
 3. WHERE CONFLICTS OCCUR A MINIMUM VERTICAL SEPARATION OF 18 INCHES SHALL BE MAINTAINED AT ALL CROSSINGS.



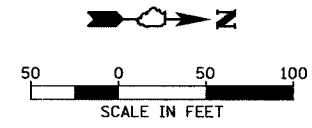
WATER MAIN CROSSING DETAIL



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 PLAN
 CHECKED
 ALIGNED
 CHECKED
 NO. FILE NAME
 DATE
 BY
 PROFILE
 CHECKED
 GRADES
 CHECKED
 NO. STRUCTURE NOTATION SHEET
 DATE
 BY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-0001-00-PV	DEKALB	43	11	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STATION	OFFSET	TYPE	PANEL SIZE	SIGN PANEL-TYPE 1	WOOD SIGN SUPPORT
WEST ACCESS ROAD					
A	11+01.28	18.88 RT.	R1-1	30" x 30"	6.25 SQ FT 12 FT
B	11+03.38	18.59 RT.	R4-7	24" x 30"	5.00 SQ FT --
C	11+19.83	35.24 LT.	R1-1	30" x 30"	6.25 SQ FT 13 FT
D	21+11.79	43.58 LT.	R1-1	30" x 30"	6.25 SQ FT 13 FT
CONVOCAION CENTER DRIVE NORTH					
E	51+56.42	22.19 RT.	R1-1	30" x 30"	6.25 SQ FT 12 FT
F	52+85.59	33.21 LT.	R1-1	30" x 30"	6.25 SQ FT 12 FT
G	52+69.50	0.00	R4-7	24" x 30"	5.00 SQ FT 12 FT
H	53+18.84	32.75 RT.	W14-1	30" x 30"	6.25 SQ FT 12 FT
ROAD CLOSED - WEST ACCESS ROAD					
I	25+22.00	36.00 RT.	OM4-1	30" x 30"	6.25 SQ FT 12 FT
J	25+22.00	42.00 RT.	R11-2	48" x 30"	10.00 SQ FT 12 FT
K	25+22.00	48.00 RT.	OM4-1	30" x 30"	6.25 SQ FT 12 FT

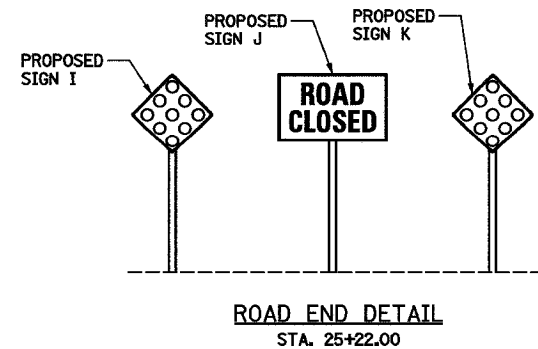
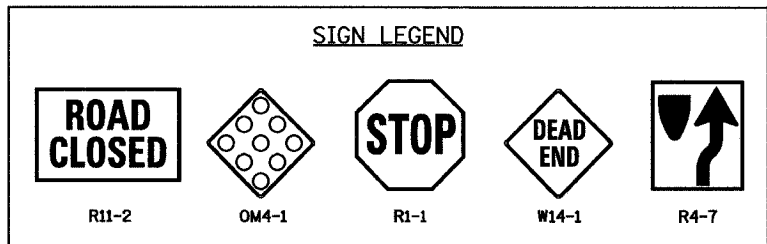
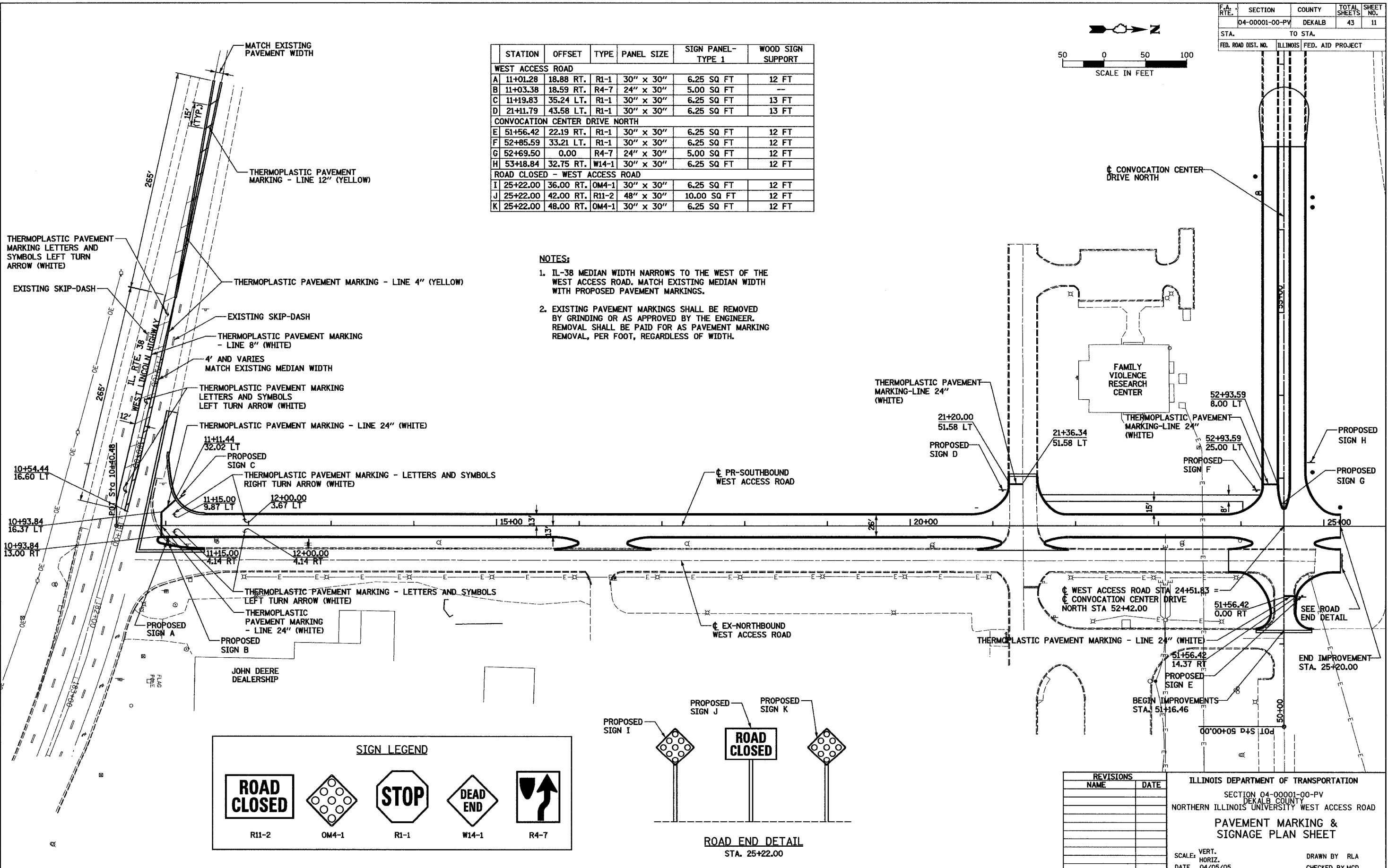
NOTES:

- IL-38 MEDIAN WIDTH NARROWS TO THE WEST OF THE WEST ACCESS ROAD. MATCH EXISTING MEDIAN WIDTH WITH PROPOSED PAVEMENT MARKINGS.
- EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING OR AS APPROVED BY THE ENGINEER. REMOVAL SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL, PER FOOT, REGARDLESS OF WIDTH.



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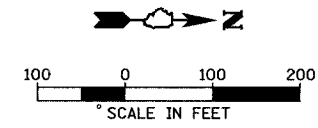
LAYOUT: RLA 01/03/05 mmh
DRAWN: RLA 01/03/05
REVIEWED: MGD 01/03/05
INCHES OVER 1/8" = 1" PER 1/8" PER 1/8"



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-0001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
PAVEMENT MARKING & SIGNAGE PLAN SHEET
SCALE: VERT. DATE 04/05/05
DRAWN BY RLA
CHECKED BY MGD

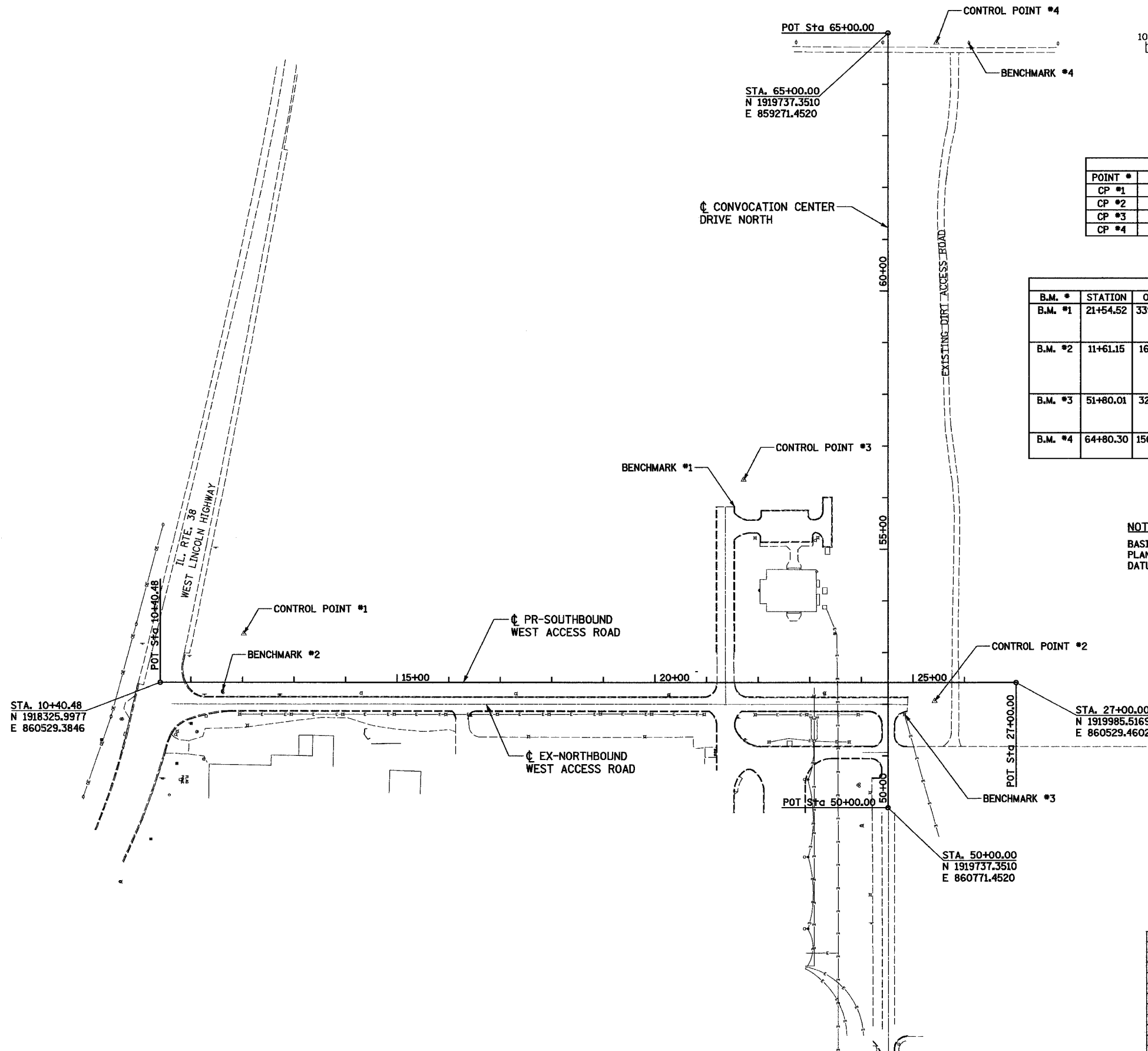
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00001-00-PV	DEKALB	43	12	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #1	1918488.225	860434.964	888.23	IRON PIN
CP #2	1919827.683	860565.123	882.83	IRON PIN
CP #3	1919457.618	860136.544	887.83	IRON PIN
CP #4	1919831.091	859290.266	891.00	IRON PIN

BENCHMARKS				
B.M. #	STATION	OFFSET	DESCRIPTION	ELEVATION
B.M. #1	21+54.52	339.95' LT.	CHISELED "□" TOP OF CURB AT END OF NORTH CURB LINE ALONG ACCESS ROAD TO FAMILY VIOLENCE CENTER.	879.83
B.M. #2	11+61.15	16.44' RT.	WEST TOP FLANGE BOLT BETWEEN "MUE" & "LLER" ON 1ST FIRE HYDRANT NORTH OF ROUTE 38 ALONG WEST SIDE OF WEST ACCESS ROAD.	884.14
B.M. #3	51+80.01	32.74' RT.	CHISELED "□" ON NORTH SIDE OF LIGHT POLE FOUNDATION EAST SIDE OF WEST ACCESS ROAD.	879.75
B.M. #4	64+80.30	156.78' RT.	RAILROAD SPIKE IN EAST FACE OF POWER POLE NORTH OF DIRT ACCESS ROAD.	892.47

NOTE:
BASIS OF BEARING IS GRID NORTH ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST NAD83. VERTICAL DATUM BASED ON NAVD88.



REVISIONS	
NAME	DATE

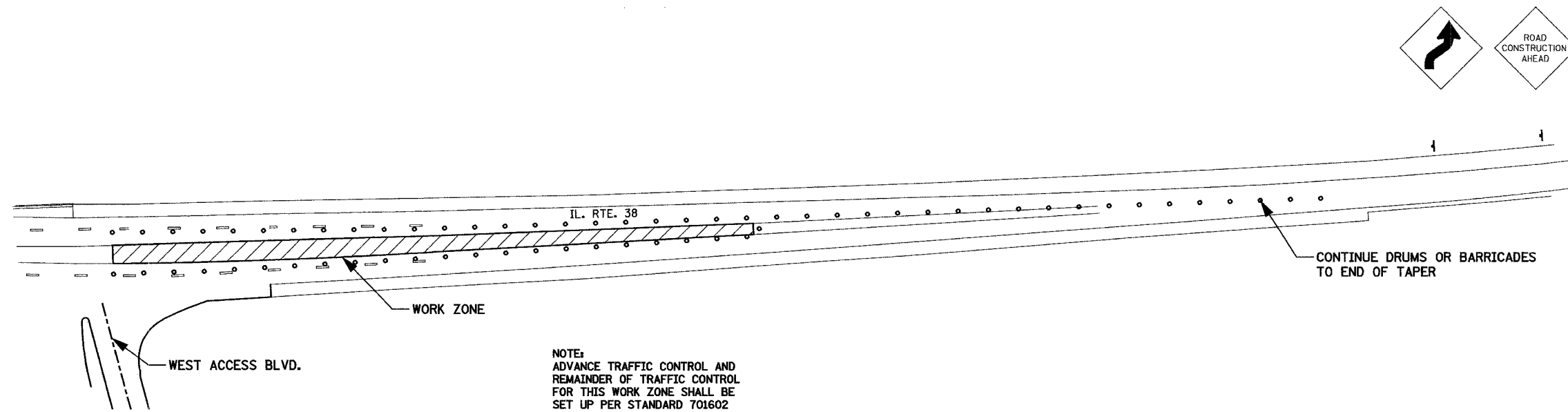
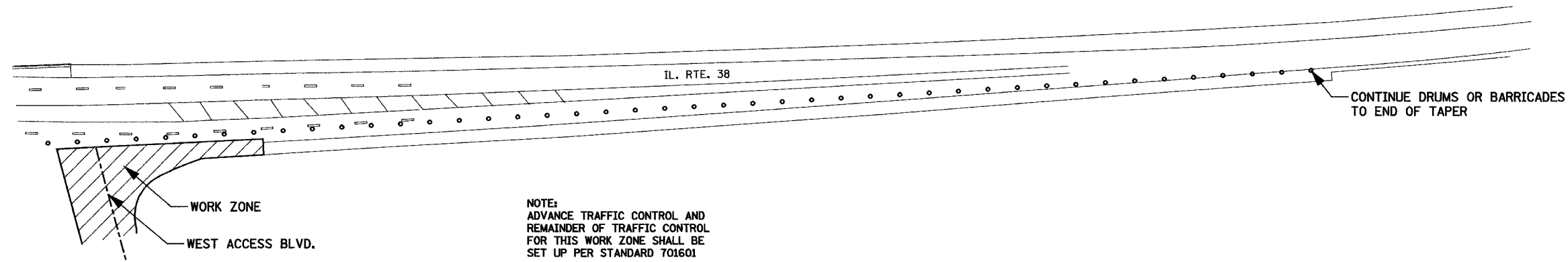
ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
**ALIGNMENT AND BENCHMARKS
PLAN SHEET**

SCALE: VERT. DRAWN BY RLA
 HORIZ. CHECKED BY MGD
DATE 08/08/05

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LAYOUT RLA 03/03/05 mmh
DRAWN RLA 04/05/05 04/14/2005
REVIEWED MGD 04/05/05 IN 04/05/05 CIVIL SHEET 08/08/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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LAYOUT: CPS 04/05/05 mmh
 DRAWN: JDM 04/05/05
 REVIEWED: CPS 04/05/05
 PROJECT: N0400514999 CIVIL/STREET/1/2/CP2/01

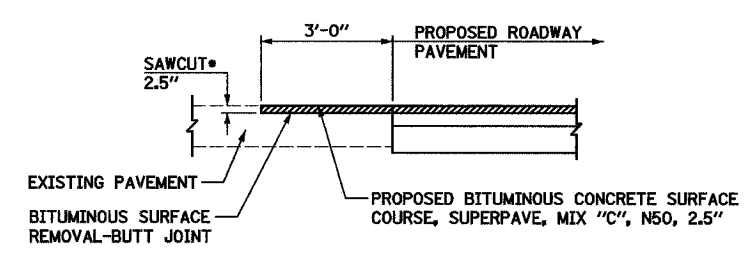
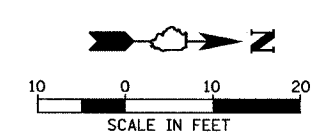
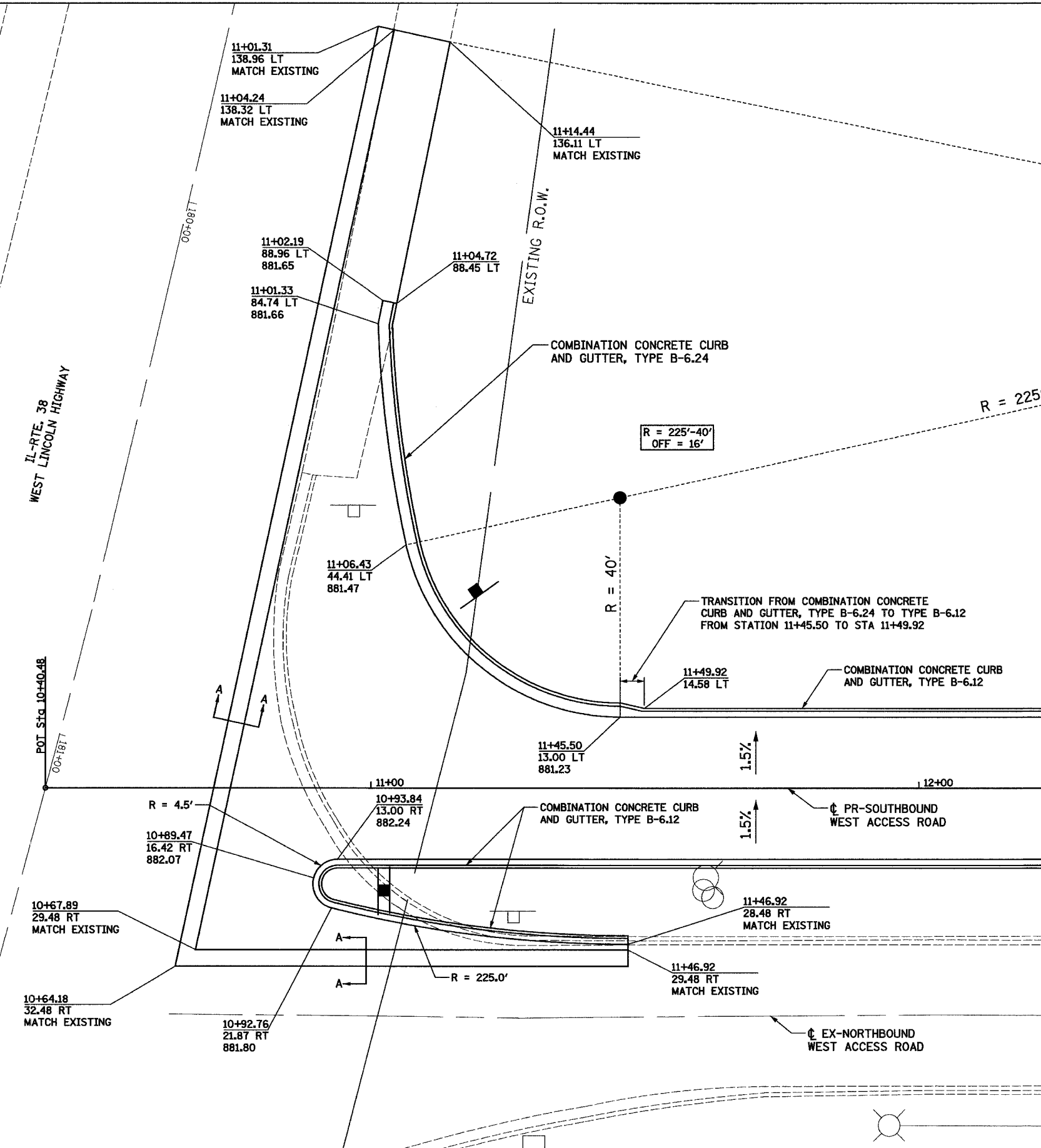
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
TRAFFIC CONTROL DETAILS
ILLINOIS ROUTE 38
 SCALE: VERT. _____
 HORIZ. _____
 DATE 04/05/05
 DRAWN BY RLA
 CHECKED BY MGD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00001-00-PV	DEKALB	43	14	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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LAYOUT: RLA 01/03/05
 DRAWN: RLA 03/04/05
 REVIEWED: MGD 03/04/05
 12/4/05 04/18/05 CIVIL SHEET 50502T.dgn

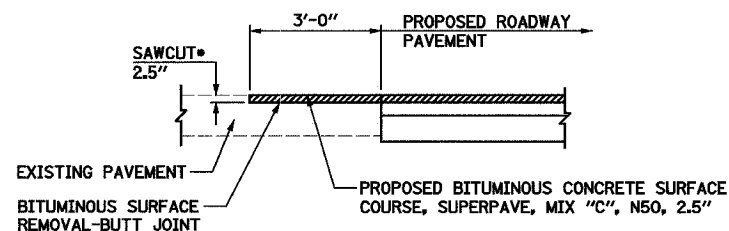
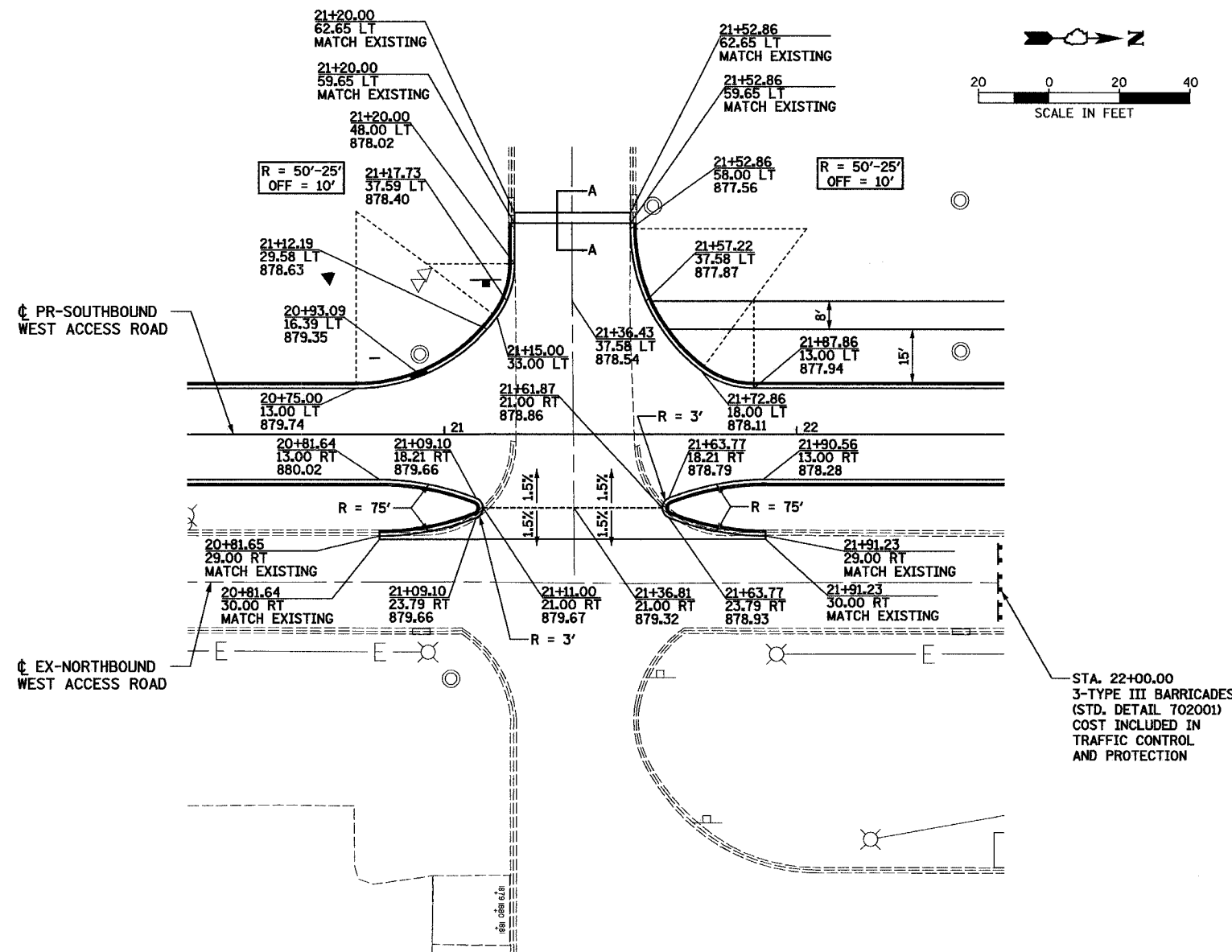
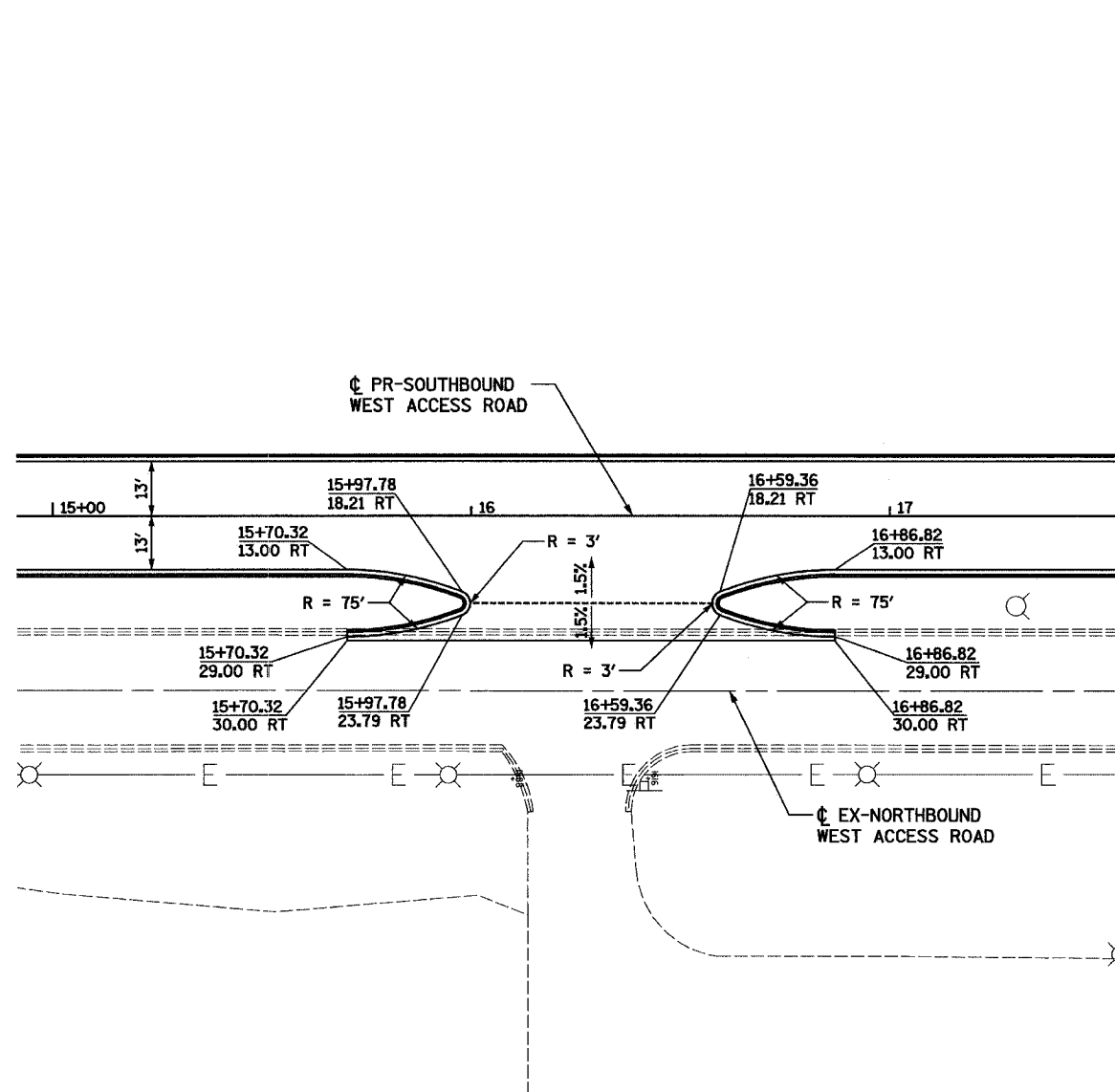
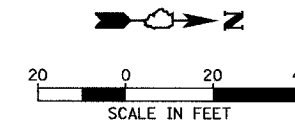


SECTION A-A BUTT JOINT DETAIL
 *SAW CUT TO BE INCLUDED IN COST OF BITUMINOUS SURFACE REMOVAL-BUTT JOINT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
WEST ACCESS ROAD INTERSECTION DETAILS
 SCALE: VERT. HORIZ. DATE 04/05/05
 DRAWN BY: RLA
 CHECKED BY: MGD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SECTION A-A
BUTT JOINT DETAIL
 *SAW CUT TO BE INCLUDED IN COST OF BITUMINOUS SURFACE REMOVAL-BUTT JOINT.

NOTE: STATIONS, OFFSETS, AND ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

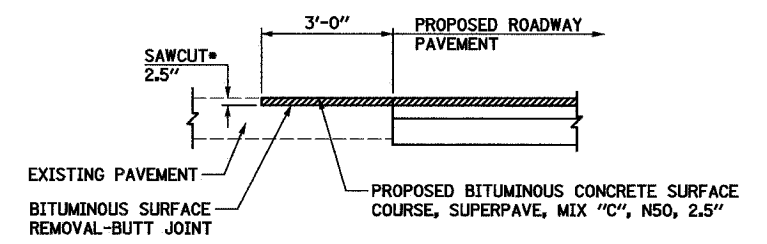
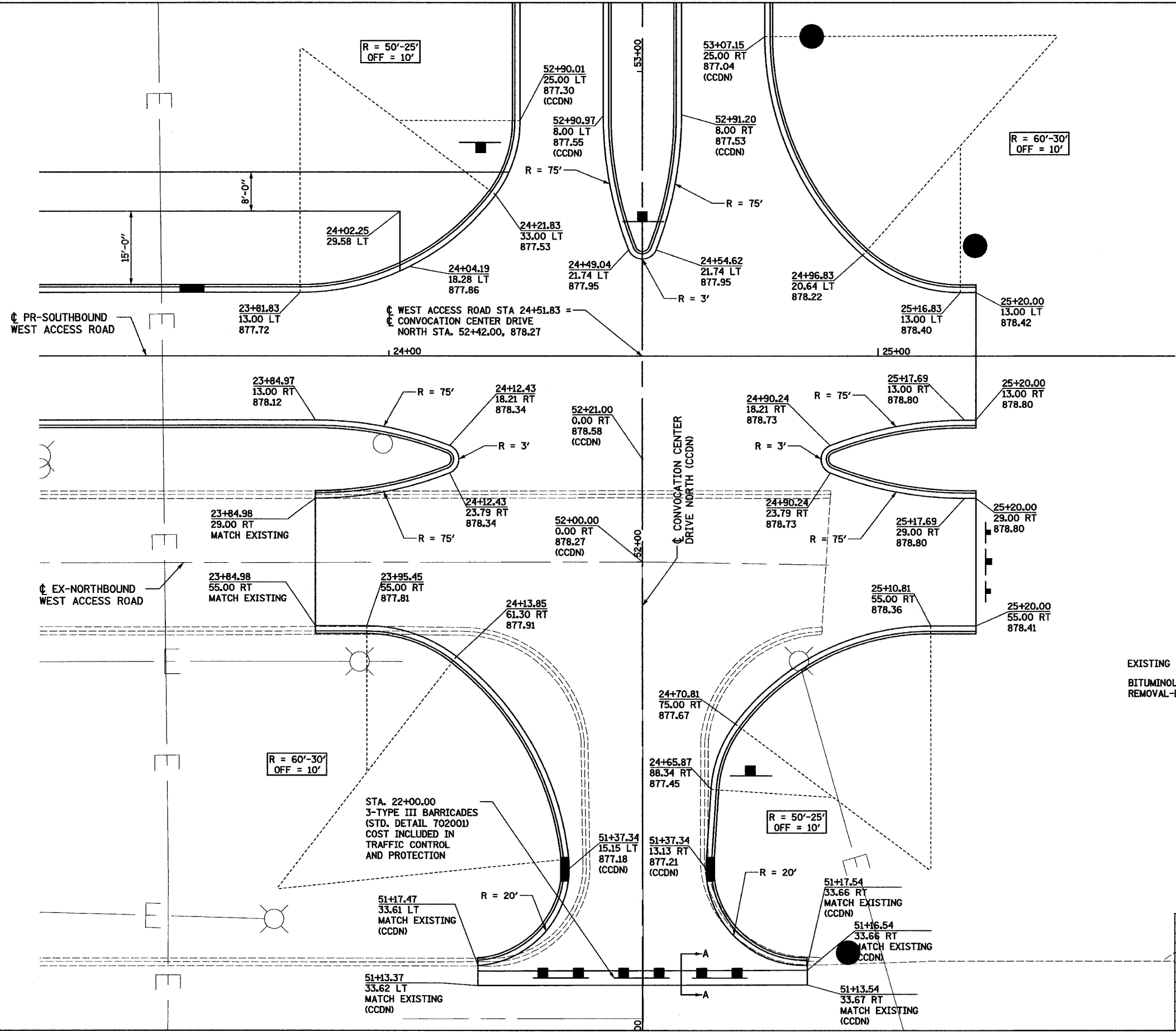
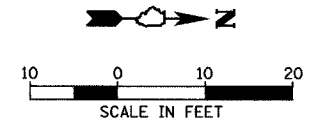
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
WEST ACCESS ROAD INTERSECTION DETAILS
 SCALE: VERT. _____
 HORIZ. _____
 DATE 04/05/05
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LAYOUT RLA 10/03/05
 DRAWN RLA 03/04/05
 REVIEWED MGD 03/04/05
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00001-00-PV	DEKALB	43	16	
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



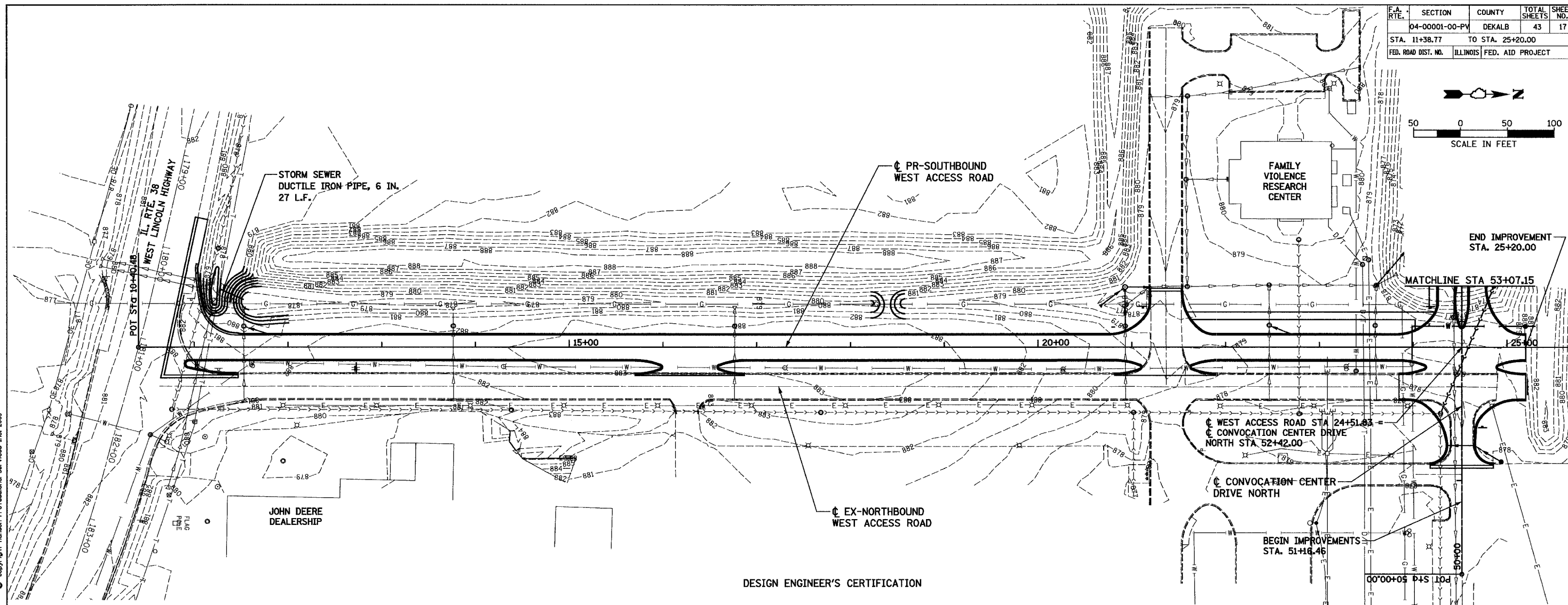
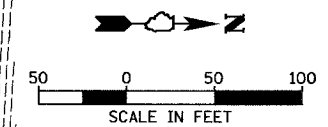
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
WEST ACCESS ROAD INTERSECTION DETAILS
 SCALE: VERT. DATE 04/05/05
 HORIZ. DRAWN BY RLA
 CHECKED BY MGD

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LAYOUT: RLA 01/03/05 mmf
 DRAWN: RLA 03/04/05 04/14/2005
 REVIEWED: MGD 03/04/05 12/04/05 04/14/2005

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	17
STA. 11+38.77		TO STA. 25+20.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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DESIGN ENGINEER'S CERTIFICATION

This is to certify that all improvement plans and specifications for the Northern Illinois West Access Road Improvements, consisting of a portion of the Northern Illinois University Far West Campus and dated APRIL 5, 2005, and most recently revised on April 5th, 2005, are in conformance with the standard of the Stormwater Drainage and Detention Ordinance of the Normal Drainage District No. 13 of Dekalb Township, Dekalb County, Illinois, and are also in accordance with good engineering principles.

Date: APRIL 14, 2005
Christian R. G.
 Illinois Registered Professional Engineer; Signature and Seal



DRAINAGE DISTRICT APPROVAL

STATE OF ILLINOIS
 COUNTY OF DEKALB

Approved and accepted this 21 day of APRIL, A.D., 2005

Commissioners
 Normal Drainage District No. 13
 Dekalb Township,
 Dekalb County, Illinois

Robert J. Lamberty
 (Commissioner)
Milton Lambert
 (Commissioner)
Stephen J. Stuy
 (Commissioner)

DRAINAGE OVERLAY CERTIFICATE

STATE OF ILLINOIS
 COUNTY OF DEKALB

To the best of our knowledge and belief the drainage of surface waters will not be changed by the construction of such roadway improvements or any part thereof, or, that if such surface water drainage will be changed, reasonable provision has been made for collection and diversion of such surface waters into public areas, or drains which the university has a right to use, and that such surface waters will be planned for in accordance with generally accepted engineering practices so as to reduce the likelihood of damage to the adjoining property because of the construction of the roadway improvements.

Dated this FIFTH day of APRIL, 2005
Christian R. G. Design Engineer
Edna J. P. Hill Owner or Attorney

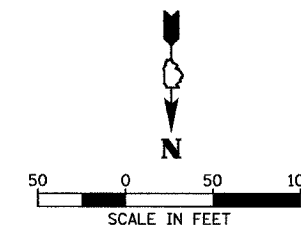
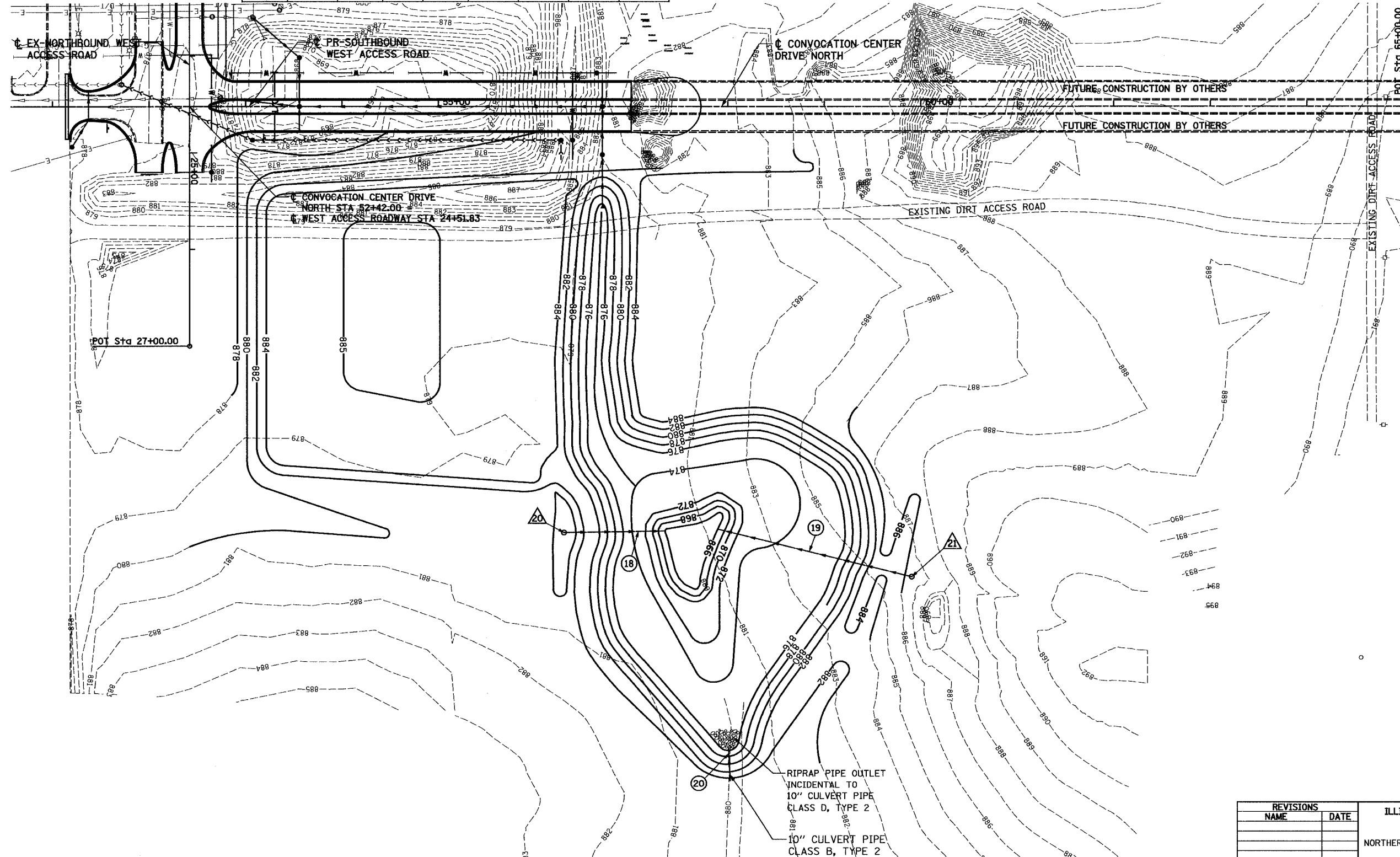
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SECTION 04-00001-00-PV DEKALB COUNTY NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD DETENTION GRADING PLANS
NAME	DATE	
		SCALE: VERT. HORIZ. DATE 04/05/05 DRAWN BY RLA CHECKED BY MGD

LAYOUT RLA 01/03/05
 DRAWN RLA 03/16/05
 REVIEWED MGD 03/16/05
 04/13/2005
 04/05/05
 04/13/2005
 04/05/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	18
STA. 53+07.15		TO STA. 57+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PIPE NO.	U/S-D/S	LENGTH (FT)	SIZE (INCH)	CLASS/TYPE	U/S INV.	D/S INV.	SLOPE (%)	TB CU YD
18	20-GRD	105	12	A/3	873.50	868.00	5.24	0.0
19	21-GRD	207	12	A/3	876.30	868.00	4.01	0.0
20	-	34	10	D/2	879.00	876.00	8.82	0.0

STR. NO.	STATION	OFFSET	TYPE	F & G	RIM EL.	INV. N	INV. S	INV. E	INV. W
20	56+30.19	441.12	CATCH BASIN TYPE C	GRATE TYPE B	878.00	--	--	--	873.50
21	59+90.49	486.65	CATCH BASIN TYPE C	GRATE TYPE B	886.50	--	--	876.30	--

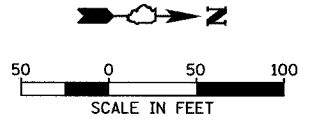


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LAYOUT: RLA 01/03/05
 DRAWN: RLA 04/05/05
 REVIEWED: MGD 04/05/05

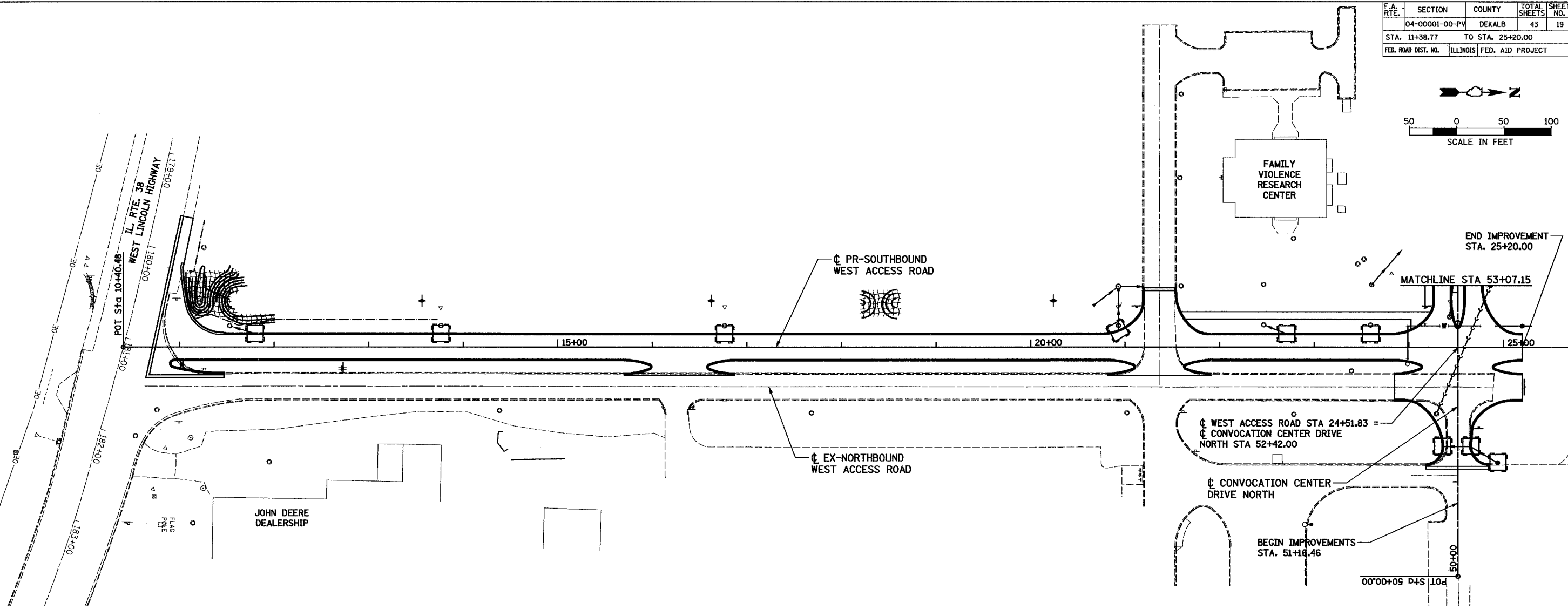
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	SECTION 04-00001-00-PV	
		DEKALB COUNTY	
		NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD	
		DETENTION GRADING PLANS	
		SCALE: VERT.	DRAWN BY: RLA
		HORIZ.	CHECKED BY: MGD
		DATE: 04/05/05	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	19
STA. 11+38.77		TO STA. 25+20.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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LAYOUT: RLA 01/03/05 mmh
DRAWN: RLA 03/18/05 04/14/2005
REVIEWED: MGD 03/18/05 12042055 04/18/05 CIVIL/STAFF/08ECP/297



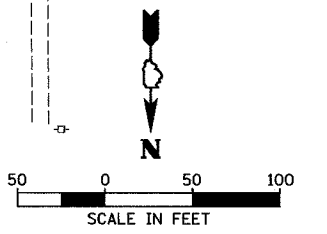
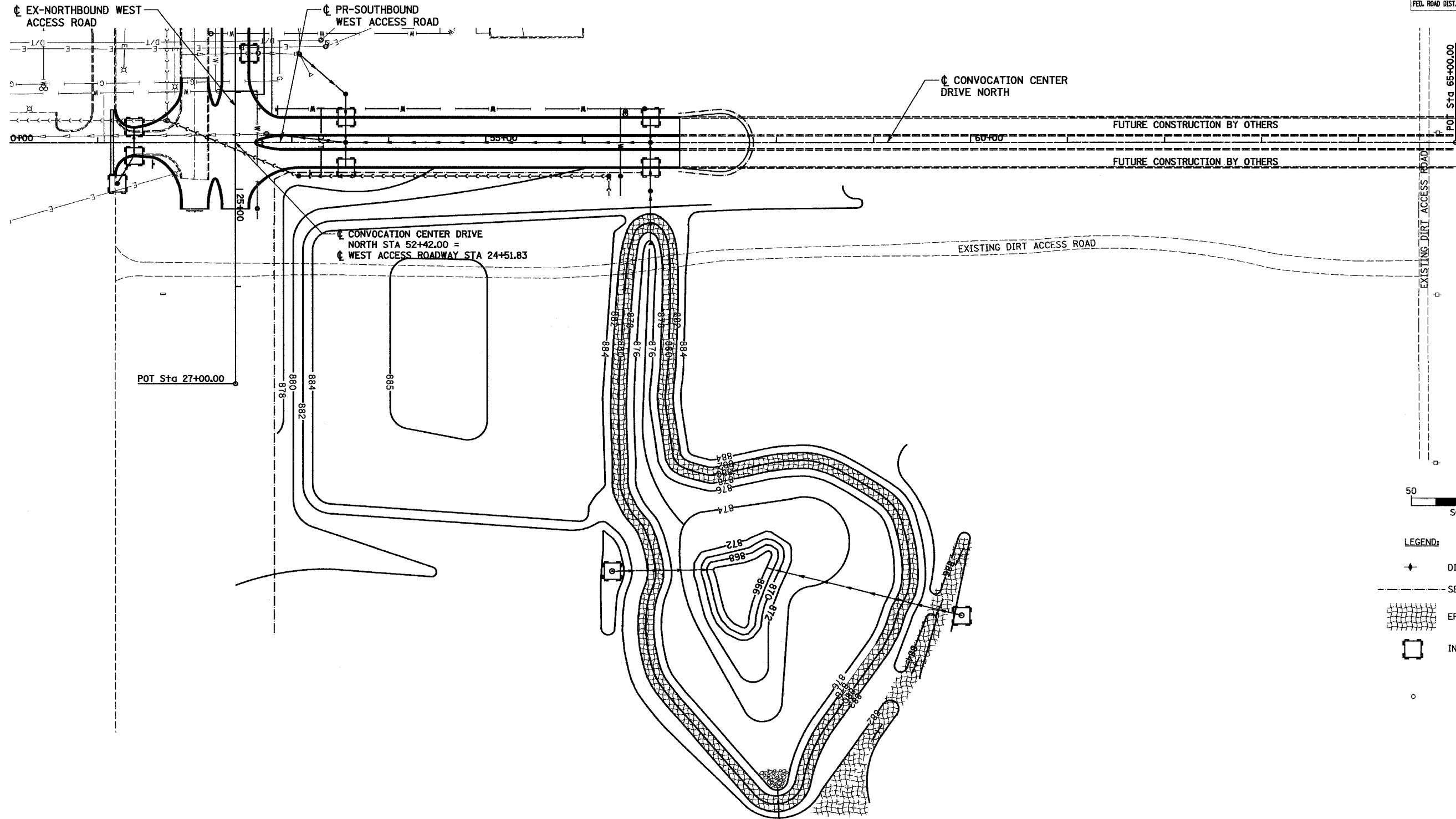
LEGEND:

- ◆ DITCH CHECK
- SEDIMENT BARRIER
- ▨ EROSION CONTROL BLANKET
- INLET SEDIMENT BARRIER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
TEMPORARY EROSION CONTROL
SCALE: VERT. DRAWN BY RLA
 HORIZ. CHECKED BY MGD
DATE 04/05/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	20
	STA. 53+07.15	TO STA. 57+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND:
- ◆ DITCH CHECK
 - SEDIMENT BARRIER
 - ▨ EROSION CONTROL BLANKET
 - INLET SEDIMENT BARRIER

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LAYOUT: RLA 01/03/05 (m/h)
 DRAWN: RLA 03/18/05 (M/14/2005)
 REVIEWED: MGD 03/18/05 (NO4)055/04/089/01/MS/Sheet/05ECC/2005

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

TEMPORARY EROSION CONTROL

SCALE: VERT. DATE 04/05/05
 HORIZ. DATE 04/05/05

DRAWN BY RLA
 CHECKED BY MGD

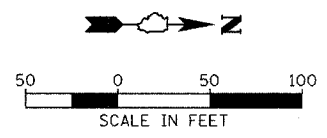
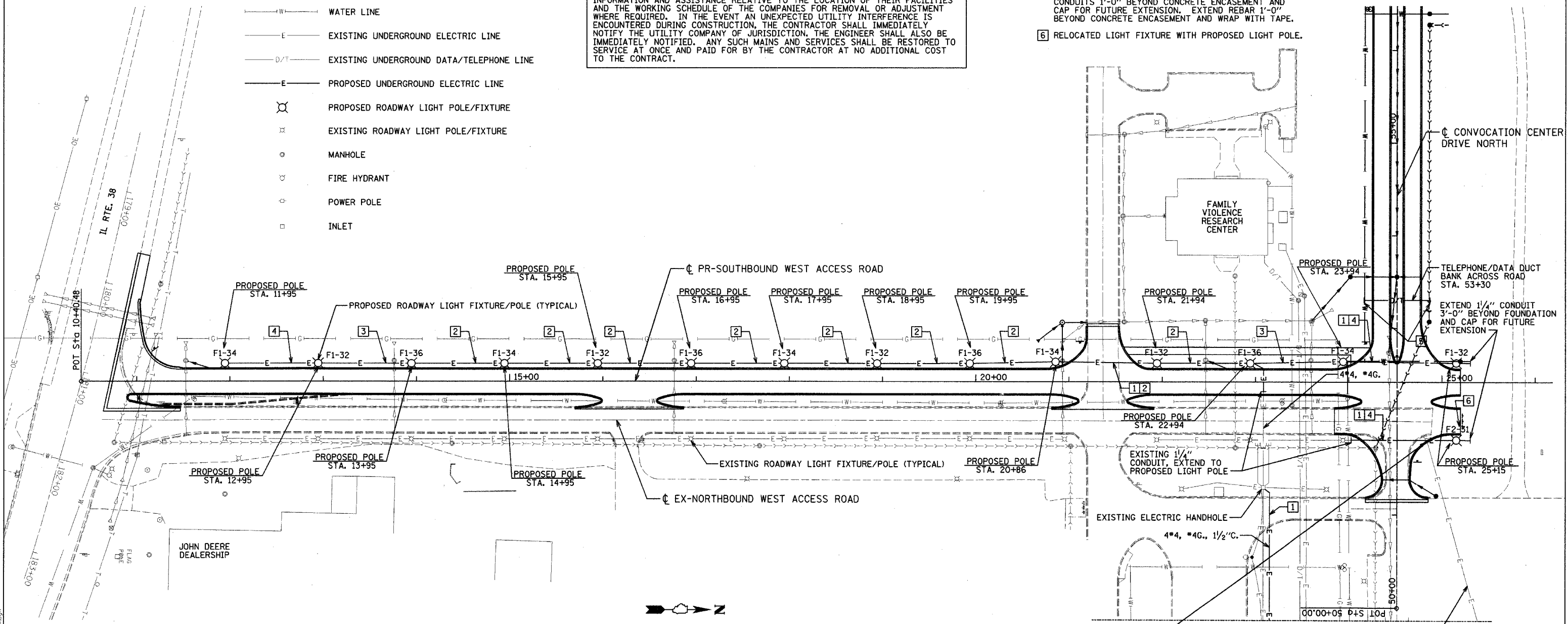
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00001-00-PV	DEKALB	ILLINOIS	43	21
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

- LEGEND**
- SANITARY SEWER LINE
 - STORM SEWER LINE
 - EXISTING PAVEMENT
 - EXISTING NATURAL GAS LINE
 - WATER LINE
 - EXISTING UNDERGROUND ELECTRIC LINE
 - EXISTING UNDERGROUND DATA/TELEPHONE LINE
 - PROPOSED UNDERGROUND ELECTRIC LINE
 - PROPOSED ROADWAY LIGHT POLE/FIXTURE
 - ⊗ EXISTING ROADWAY LIGHT POLE/FIXTURE
 - MANHOLE
 - ⊕ FIRE HYDRANT
 - ⊕ POWER POLE
 - INLET

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

- PLAN KEYED NOTES:**
- 1 PROVIDE RIGID GALVANIZED STEEL (RGS) CONDUIT BELOW ROADWAYS (PUSHED).
 - 2 4#6, #6G., 1/4"C.
 - 3 3#6, #6G., 1/4"C.
 - 4 2#6, #6G., 1/4"C.
 - 5 EXTEND DUCT 5'-0" PAST BACK OF CURB, EXTEND PVC CONDUITS 1'-0" BEYOND CONCRETE ENCASEMENT AND CAP FOR FUTURE EXTENSION. EXTEND REBAR 1'-0" BEYOND CONCRETE ENCASEMENT AND WRAP WITH TAPE.
 - 6 RELOCATED LIGHT FIXTURE WITH PROPOSED LIGHT POLE.

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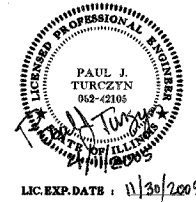
REMOVE EXISTING LIGHT FIXTURE/POLE AND FOUNDATION - SALVAGE LIGHT POLE AND TRANSPORT TO LOCATION AS DIRECTED BY ENGINEER. RELOCATE LIGHT FIXTURE AS SHOWN

EXISTING BRANCH CIRCUIT TO OVER FLOW PARKING LOT LIGHT POLES - DISCONNECT AND REMOVE WIRE TO POLE, ABANDON CONDUIT IN PLACE

SEE SHEET L-2 FOR CONTINUATION

- LIGHTING GENERAL NOTES:**
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE CONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
 2. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF THE "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.

"I HEREBY CERTIFY THAT THE ATTACHED LIGHTING DESIGN PLANS ARE IN CONFORMANCE WITH THE BUREAU OF DESIGN AND ENVIRONMENT MANUAL, CHAPTER 56, HIGHWAY LIGHTING, AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. I FURTHER CERTIFY THAT THE ATTACHED PLANS ARE IN CONFORMANCE WITH THE MINIMUM ILLUMINANCE DESIGN LEVEL CRITERIA FOR THE FOLLOWING ROADWAY CLASSIFICATION, LOCAL ROAD, R3 PAVEMENT TYPE."



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
ROADWAY LIGHTING PLAN

SCALE: VERT. 1"=50'-0"
 HORIZ. 1"=50'-0"
 DATE 04/05/05

DRAWN BY ANC
 CHECKED BY PJT

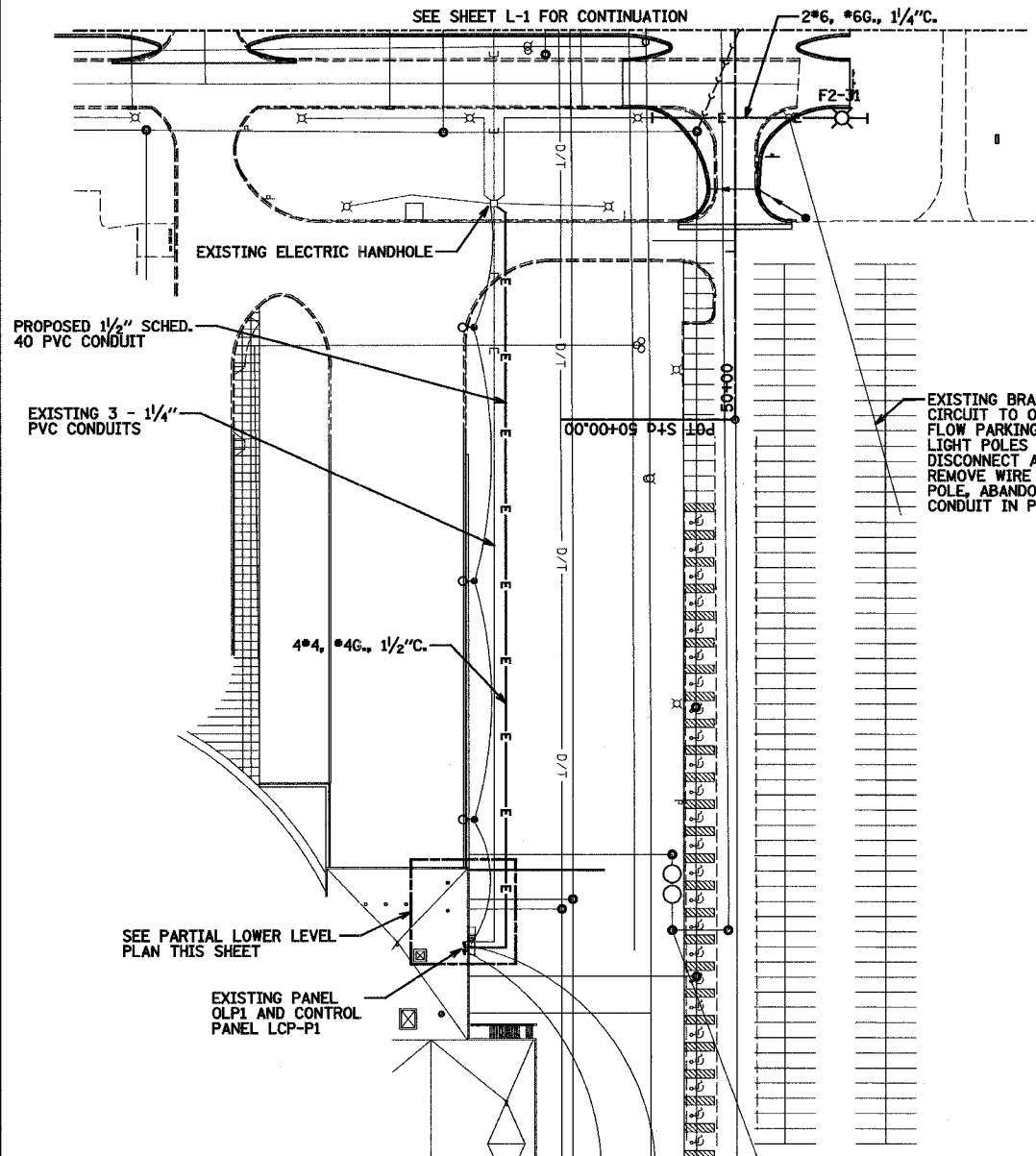
LAYOUT	PJT	ANC
DRAWN	ANC	PJT
REVIEWED	PJT	ANC

L-1

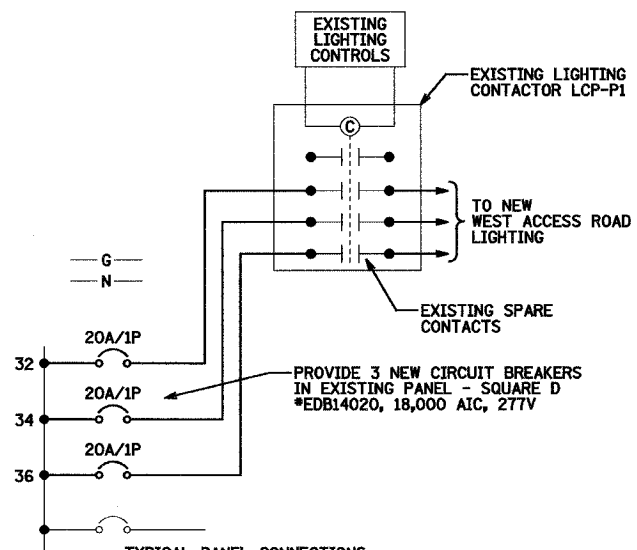
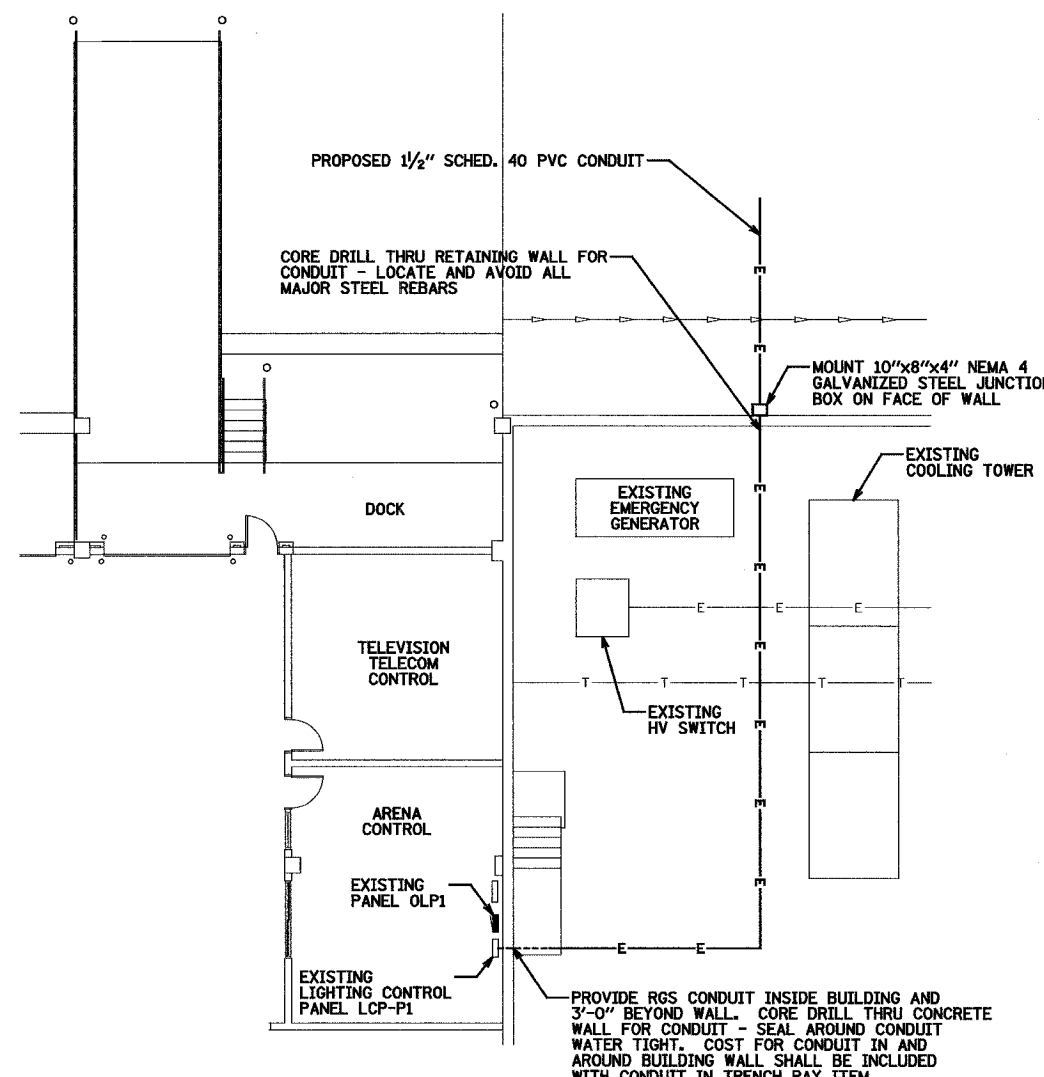
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES - NIU WEST ACCESS ROAD

LUMINAIRE, METAL HALIDE, CURVILINEAR, 400W (ARCHITECTURAL)	EACH	14
LIGHT POLE, STEEL 20 FT. M.H., SHORT BRACKET - 8 IN.	EACH	15
CONDUIT IN TRENCH, 1/4" DIA., PVC	LIN. FT.	1310
CONDUIT IN TRENCH 1/2" DIA., PVC	LIN. FT.	445
CONDUIT PUSHED, 1/4" DIA., GALVANIZED STEEL	LIN. FT.	250
CONDUIT PUSHED, 1/2" DIA., GALVANIZED STEEL	LIN. FT.	40
JUNCTION BOX ATTACHED TO STRUCTURE 10" x 8" x 4"	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 4	LIN. FT.	4800
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 6	LIN. FT.	6350
GROUNDING ELECTRODE BELOW GRADE	EACH	15
TRENCH AND BACKFILL FOR ELECTRIC WORK	LIN. FT.	1760
MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
LIGHT POLE FOUNDATION	EACH	15
LIGHTING FOUNDATION REMOVAL	EACH	1
REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1
RELOCATE EXISTING LUMINAIRE	EACH	1
MAINTENANCE OF LIGHTING SYSTEM	EACH	1
CONDUIT ENCASED, REINFORCED CONCRETE, 5" DIA. PVC 3" WIDE x 2" HIGH	LIN. FT.	75

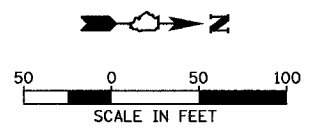


THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.



EXTERIOR LIGHTING CONTROL DIAGRAM
NOT TO SCALE

PARTIAL LOWER LEVEL PLAN
NOT TO SCALE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

ROADWAY LIGHTING PLAN

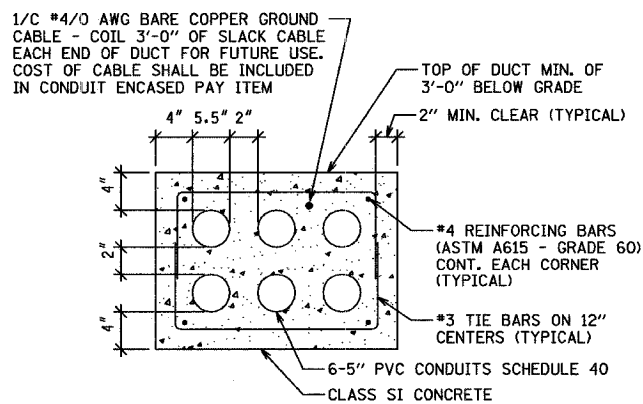
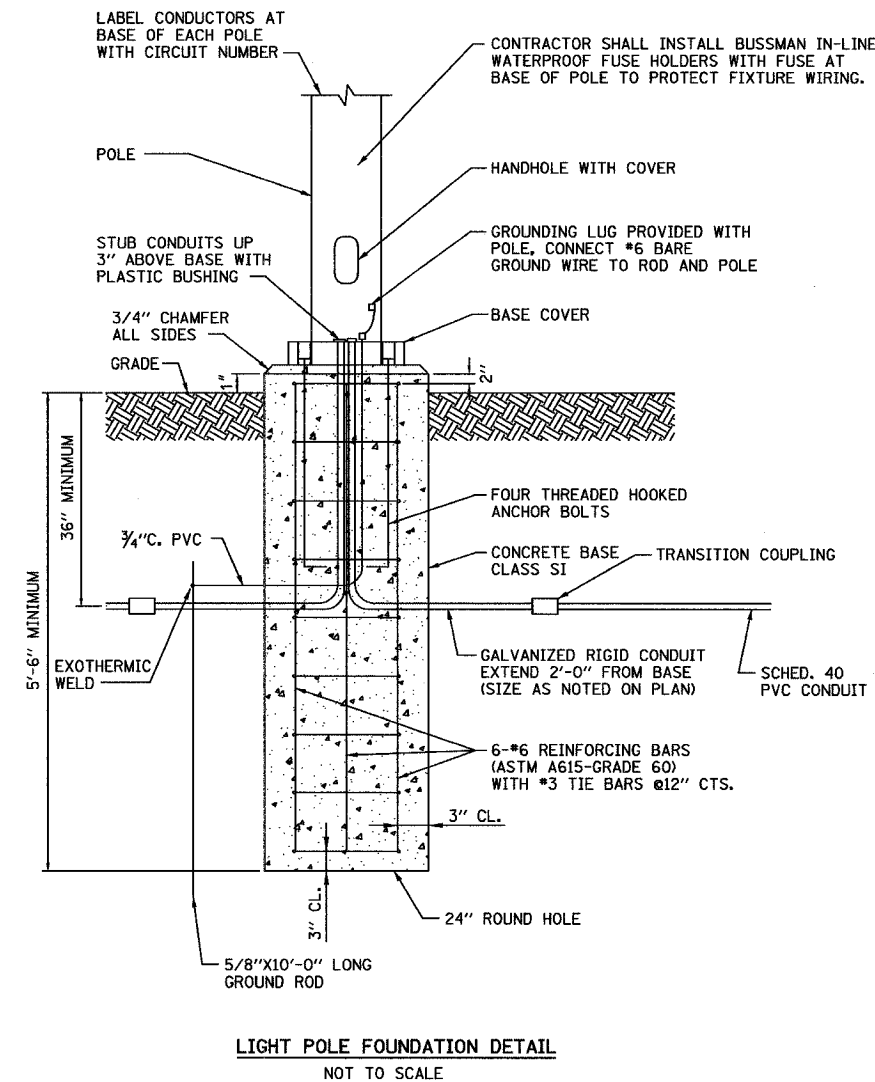
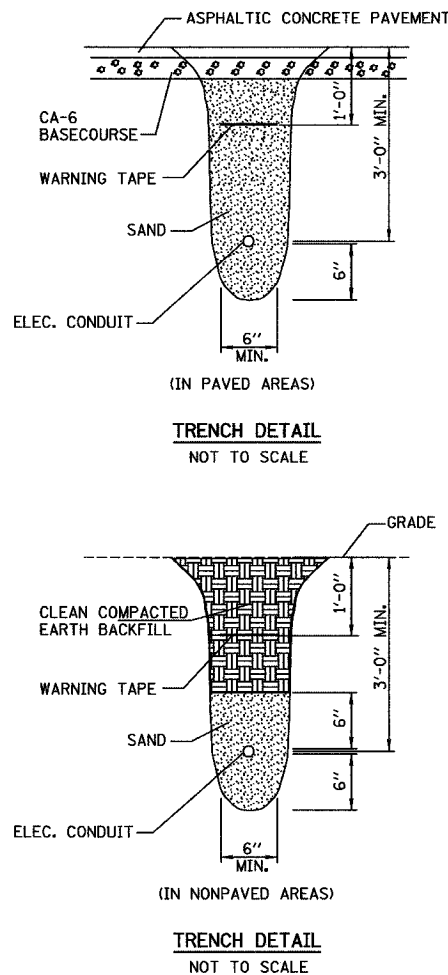
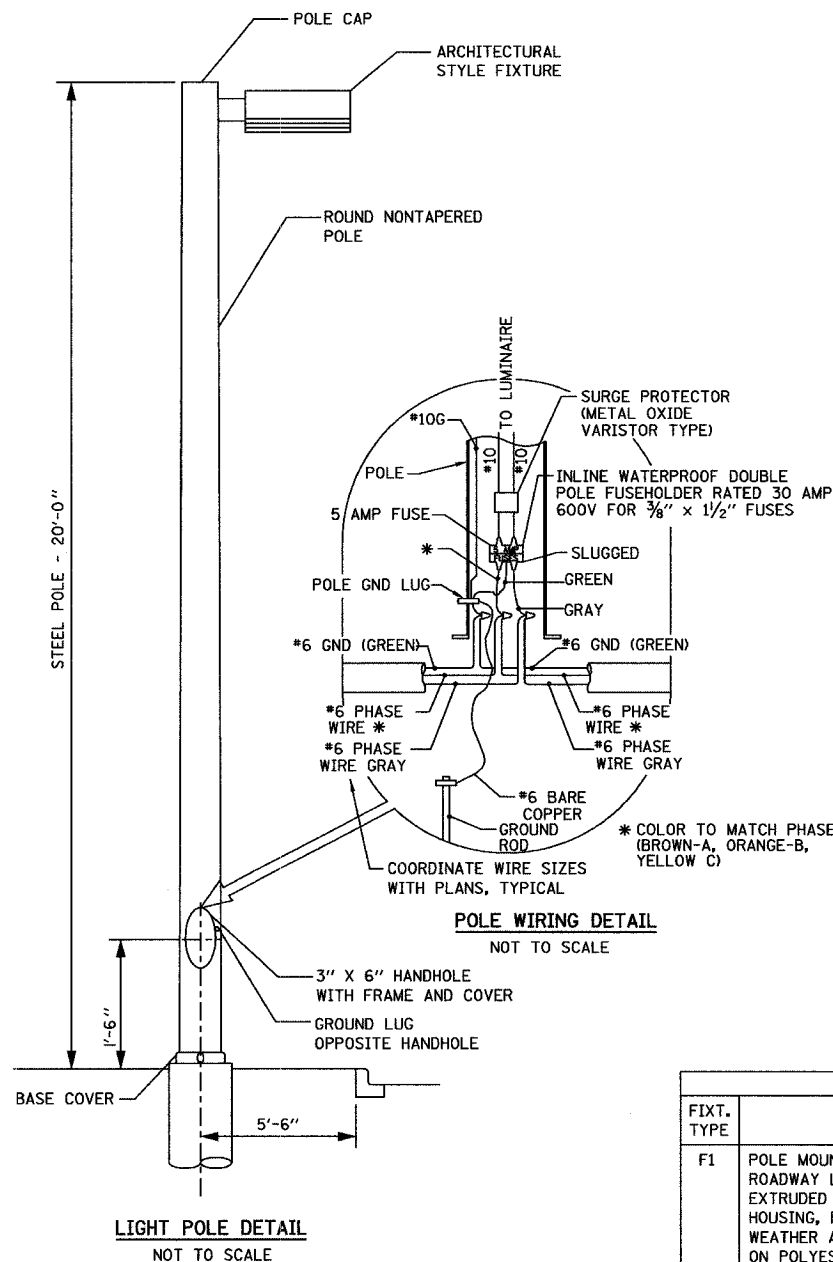
SCALE: VERT. 1"=50'-0"
HORIZ. DATE 04/05/05

DRAWN BY ANC
CHECKED BY PJT

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LAYOUT	PJT	1/1/05
DRAWN	ANC	04/14/2005
REVIEWED	PJT	04/20/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	POLE MOUNTED MH ARCHITECTURAL ROADWAY LUMINAIRE, HEAVY GAUGE EXTRUDED ALUMINUM 25" DIA. ROUND HOUSING, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS, BAKED ON POLYESTER POWDER COAT FINISH, ANODIZED ALUMINUM IES TYPE III SEMI-CUTOFF OPTICS, CLEAR TEMPERED GLASS LENS, HORIZONTALLY MOUNTED MEDIUM BASE PORCELAIN SOCKET, HPF CWA TYPE BALLAST, DARK BRONZE PAINT FINISH.	KIM; 1A-CC25A3-400MH-DBP/KRS20-5180-DBP	1-400W MH ANSI CODE NO. M59 460 TOTAL INPUT WATTS	277	MOUNTED ON A 20'-0" ROUND NONTAPERED STEEL POLE	SUPPLY A 100 MPH RATED POLE AT 200% OF THE RATED EPA OF THE FIXTURE PROVIDED. SPECIFIED FIXTURE EPA RATING EQUALS 1.5 SQ FT EACH
F2	EXISTING RELOCATED ROADWAY LUMINAIRE. PROVIDE POLE WITH PLATINUM SILVER FINISH PAINT.	KIM; 1A-CC25A3-400MH-PSP (EXISTING) POLE - KRS20-5180-PSP	1-400W MH ANSI CODE NO. M59 460 TOTAL INPUT WATTS	277	MOUNTED ON A 20'-0" ROUND NONTAPERED STEEL POLE	SUPPLY A 100 MPH RATED POLE AT 200% OF THE RATED EPA OF THE FIXTURE PROVIDED. SPECIFIED FIXTURE EPA RATING EQUALS 1.5 SQ FT EACH

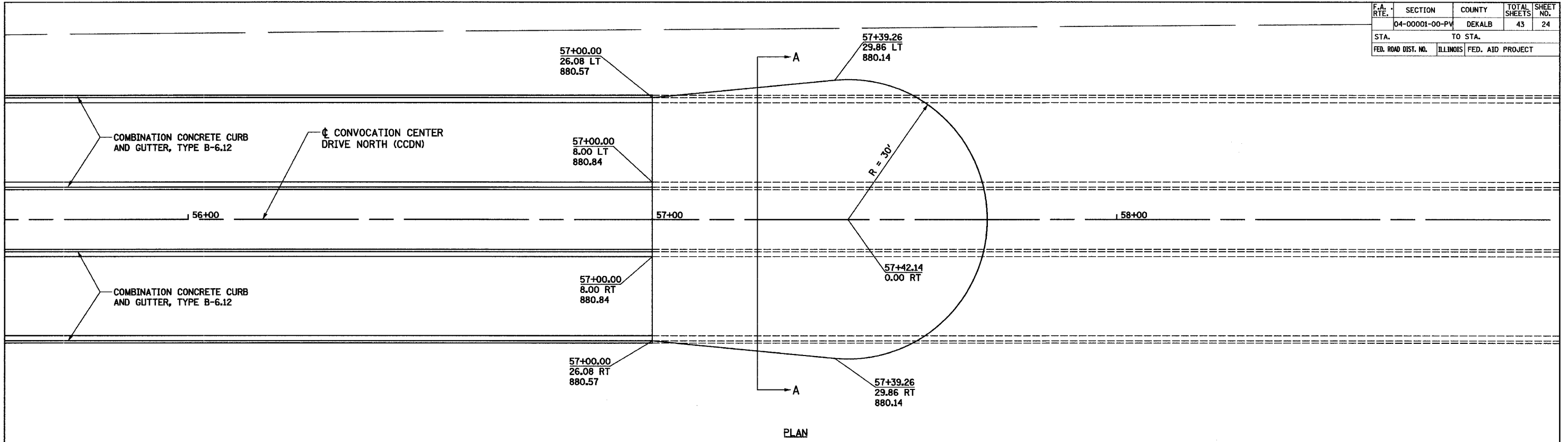
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SECTION 04-00001-00-PV DEKALB COUNTY NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD ROADWAY LIGHTING ELECTRICAL DETAILS
NAME	DATE	
		SCALE: VERT. 1"=50'-0" HORIZ. DATE 04/05/05 DRAWN BY ANC CHECKED BY PJT

L-3

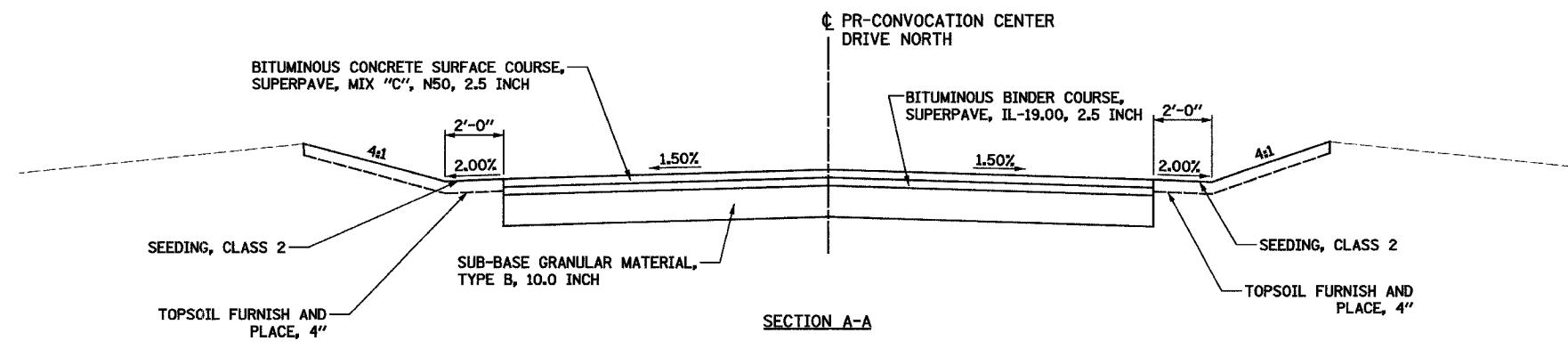
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LAYOUT
 DRAWN
 REVIEWED
 PJT
 04/14/2005
 104-0001-00-PV-23

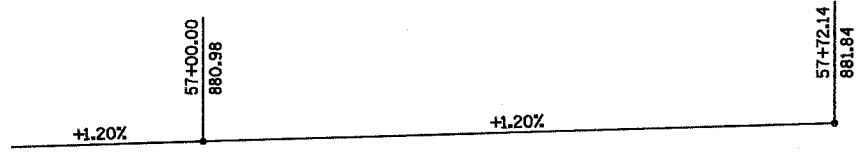
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



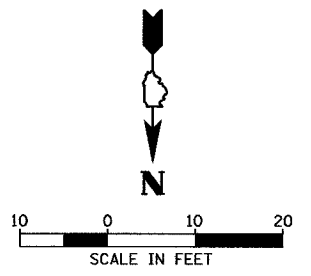
PLAN



SECTION A-A



PROFILE



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LAYOUT RLA 01/03/05 pmh
 DRAWN RLA 04/05/05 04/15/2005
 REVIEWED MGD 04/05/05 /A-4/05/04/1999/Civil/Sheet/0-506DET.dgn

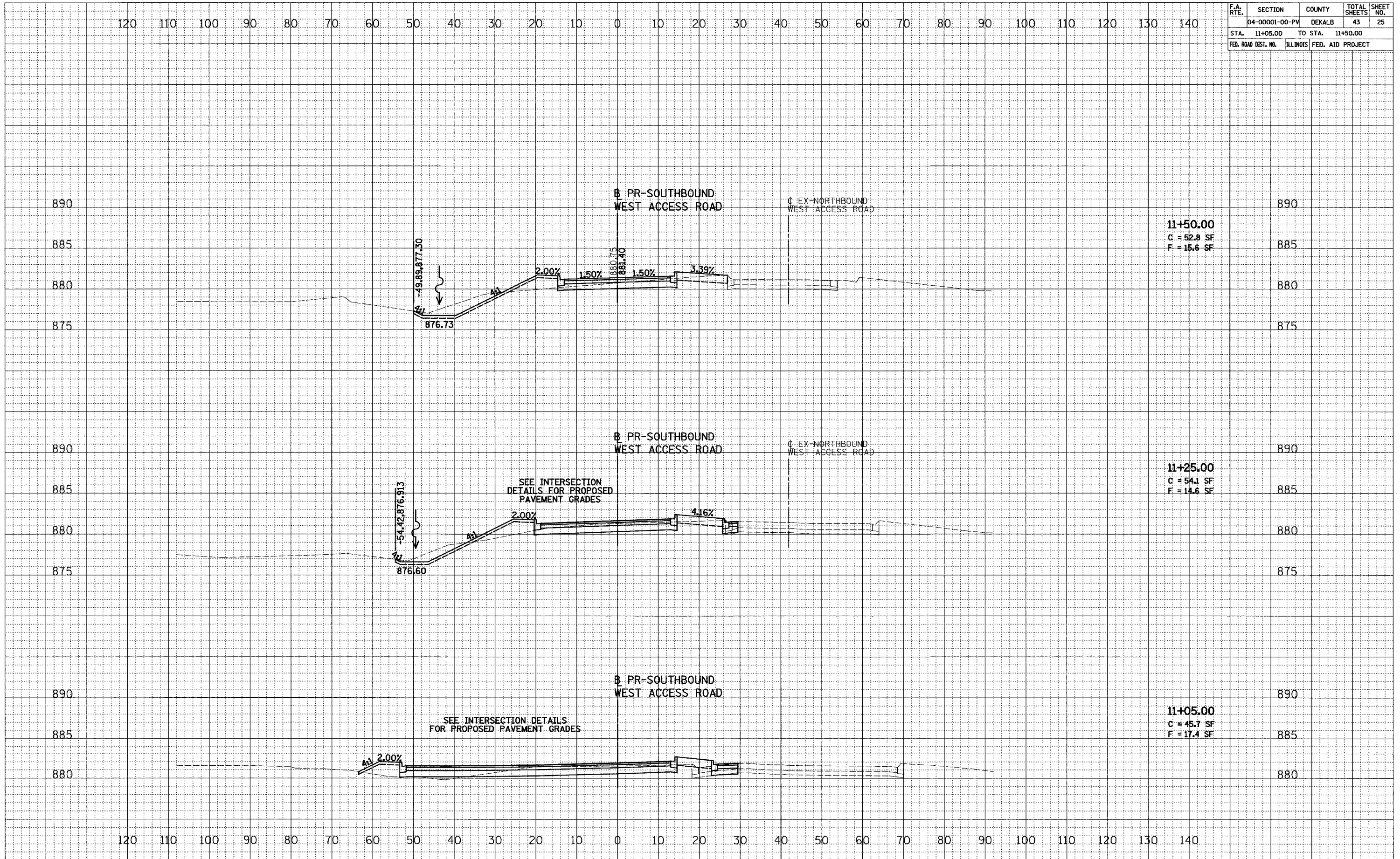
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	SECTION 04-00001-00-PV	
		DEKALB COUNTY	
		NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD	
		CONVOCAION CENTER DRIVE NORTH	
		CUL-DE-SAC DETAIL	
		SCALE: VERT.	DRAWN BY RLA
		HORIZ.	CHECKED BY MGD
		DATE 04/05/05	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	25
STA. 11+05.00	TO STA. 11+50.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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DATE	
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NO.	
DATE	
BY	
REVISIONS	
NO.	



11+50.00
C = 52.8 SF
F = 15.6 SF

11+25.00
C = 54.1 SF
F = 14.6 SF

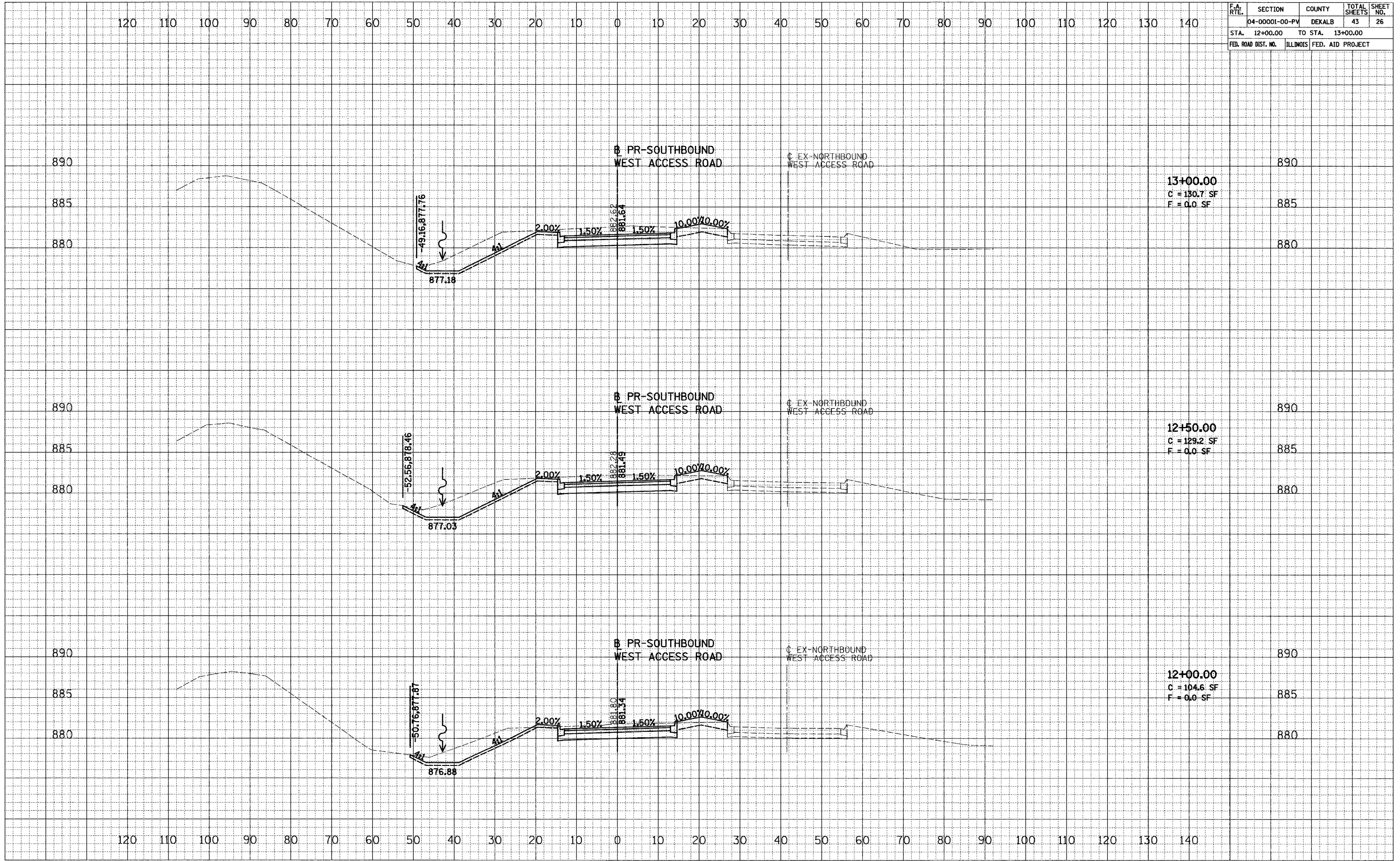
11+05.00
C = 45.7 SF
F = 17.4 SF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	26
STA. 12+00.00	TO STA. 13+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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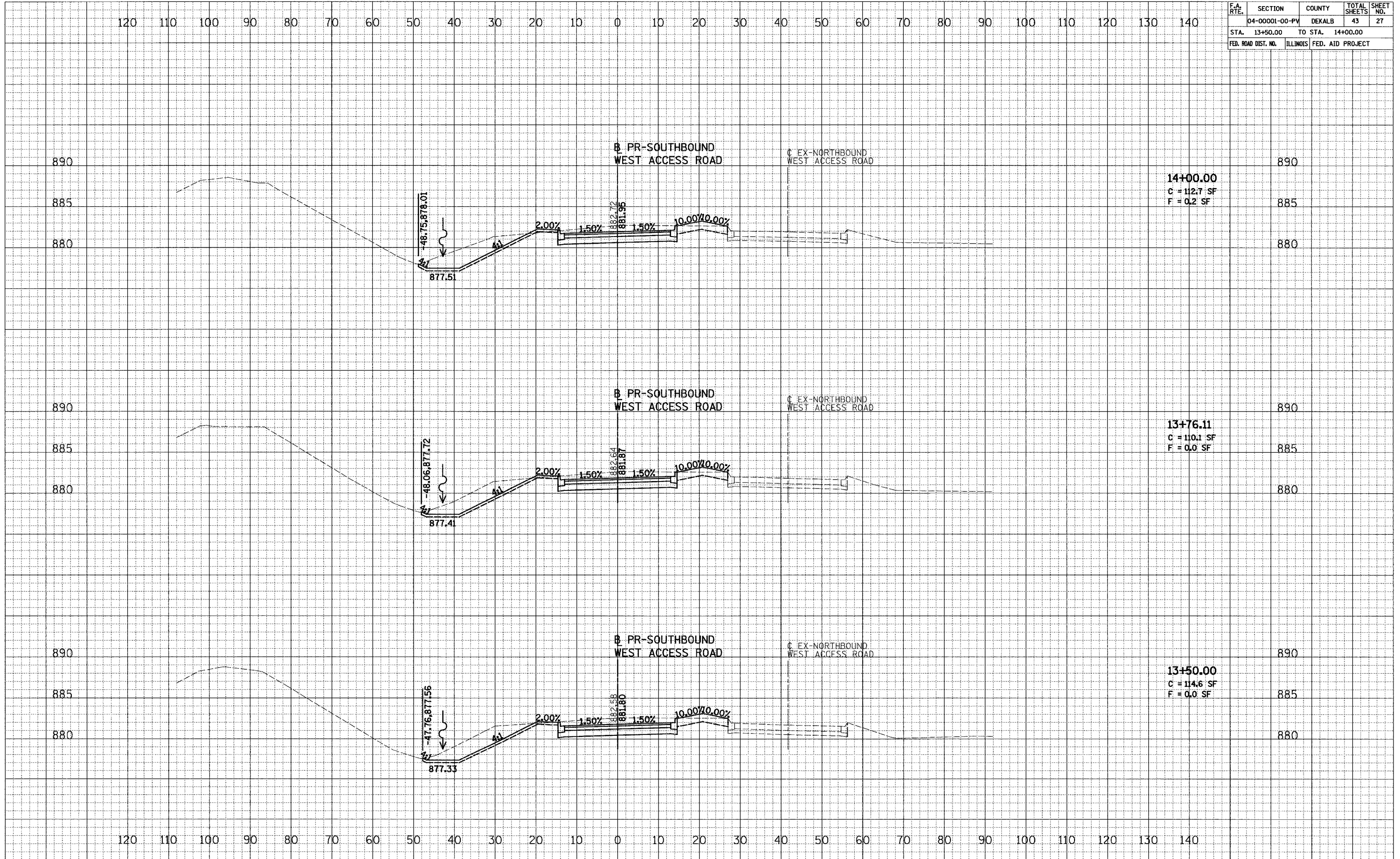
WEST ACCESS ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	27
STA. 13+50.00	TO STA. 14+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
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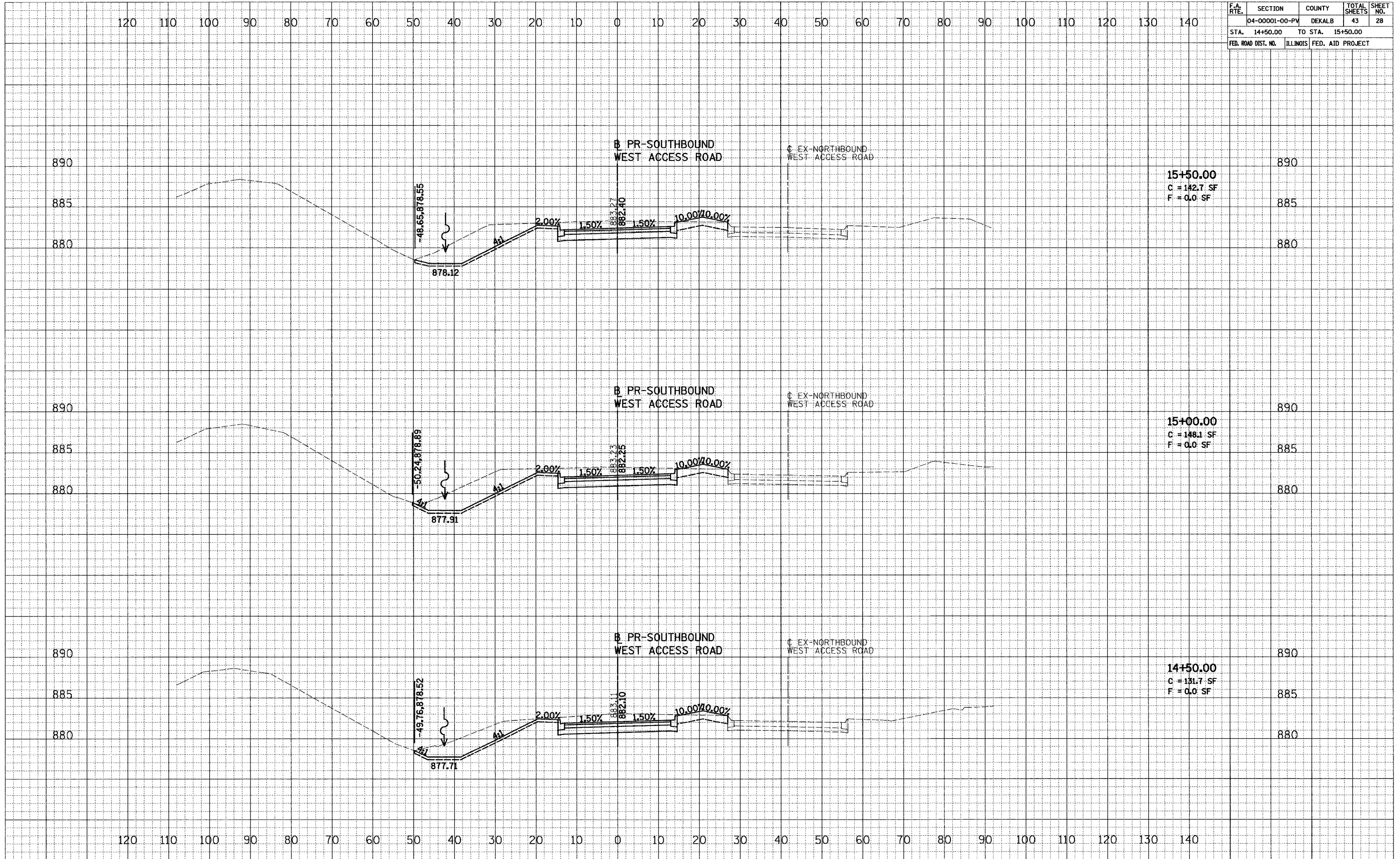
WEST ACCESS ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	28
STA. 14+50.00	TO STA. 15+50.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
SURVEYED	
PLOTTED	
TEMP-LATE	
AREAS CHECKED	



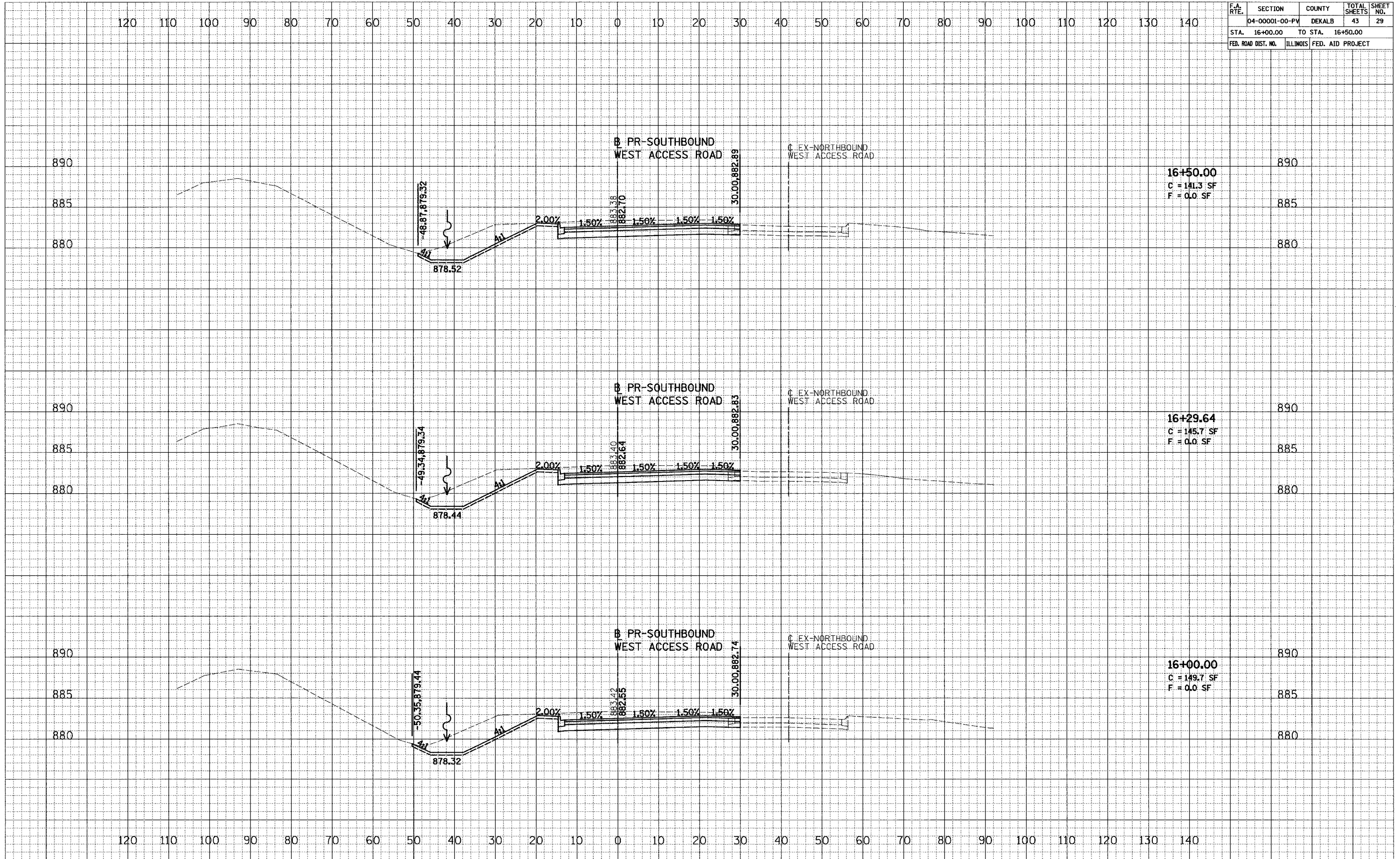
WEST ACCESS ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	29
STA. 16+00.00	TO STA. 16+50.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



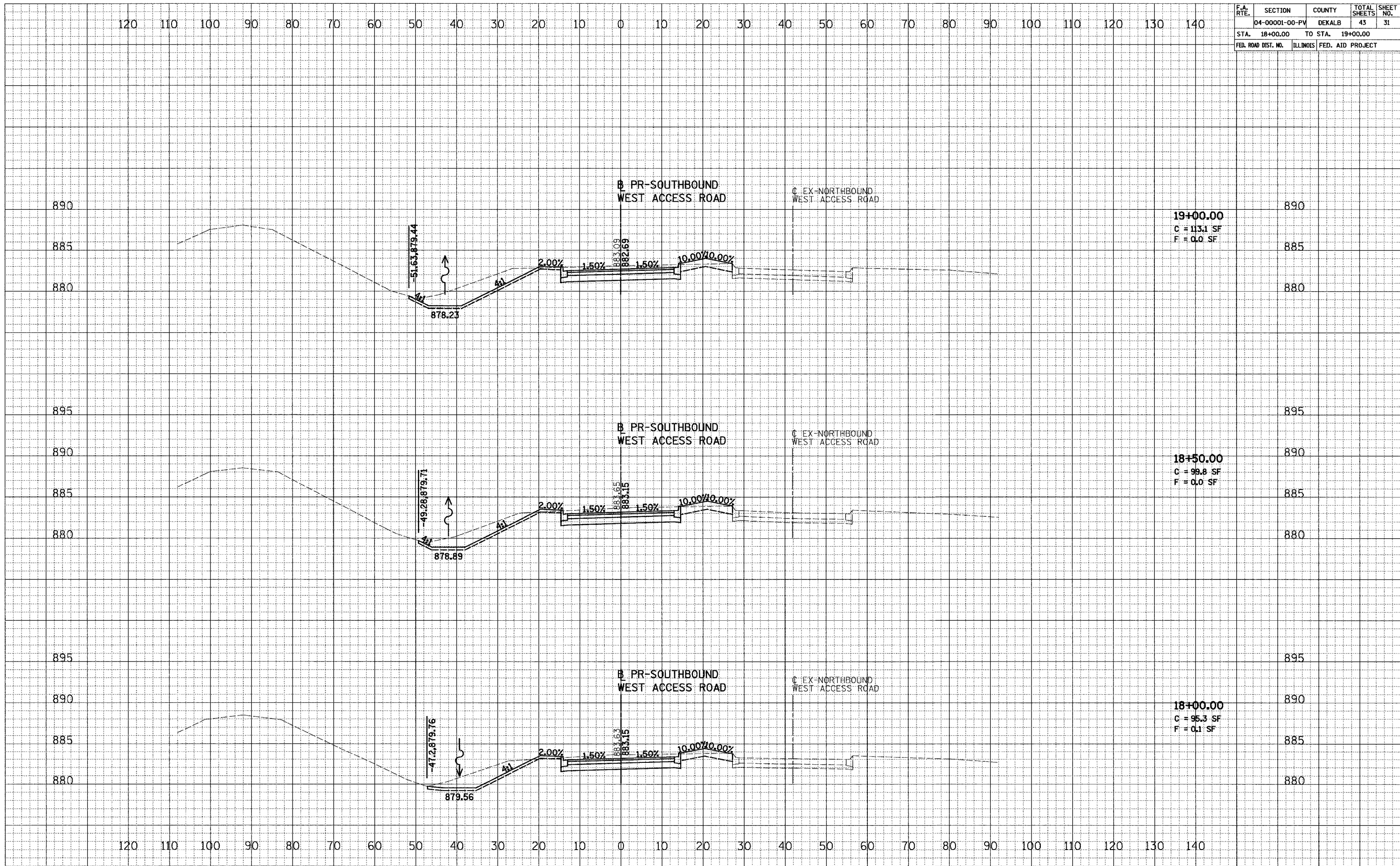
WEST ACCESS ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	31
STA. 18+00.00	TO STA. 19+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

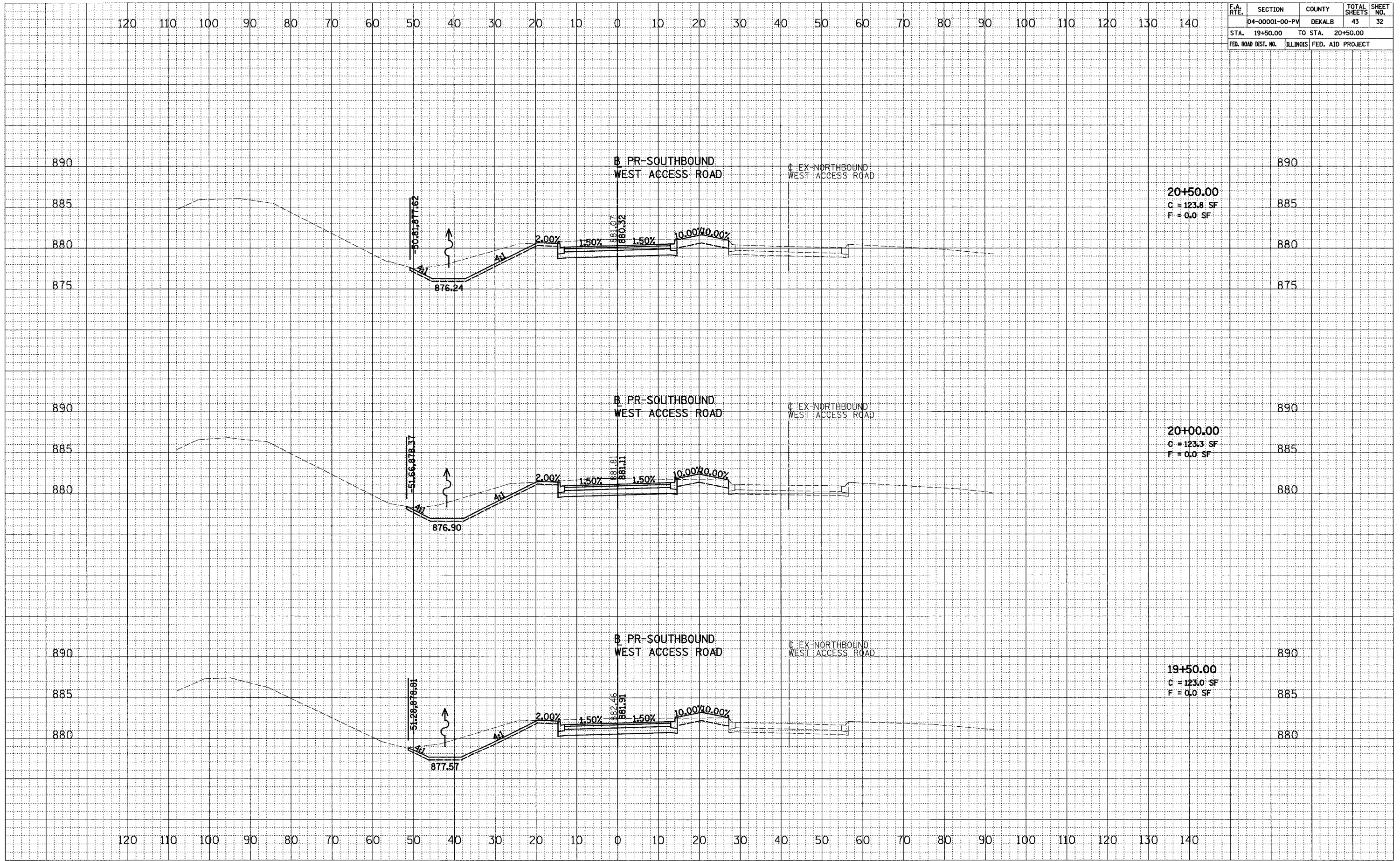


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	32
STA. 19+50.00	TO STA. 20+50.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
REVIEWED	
DATE	
PLOTTED	
DATE	
TEMPLATE	
NO.	
AREAS CHECKED	
AS NOTED	
NO.	



DATE	
BY	
REVIEWED	
DATE	
PLOTTED	
DATE	
TEMPLATE	
NO.	
AREAS CHECKED	
AS NOTED	
NO.	



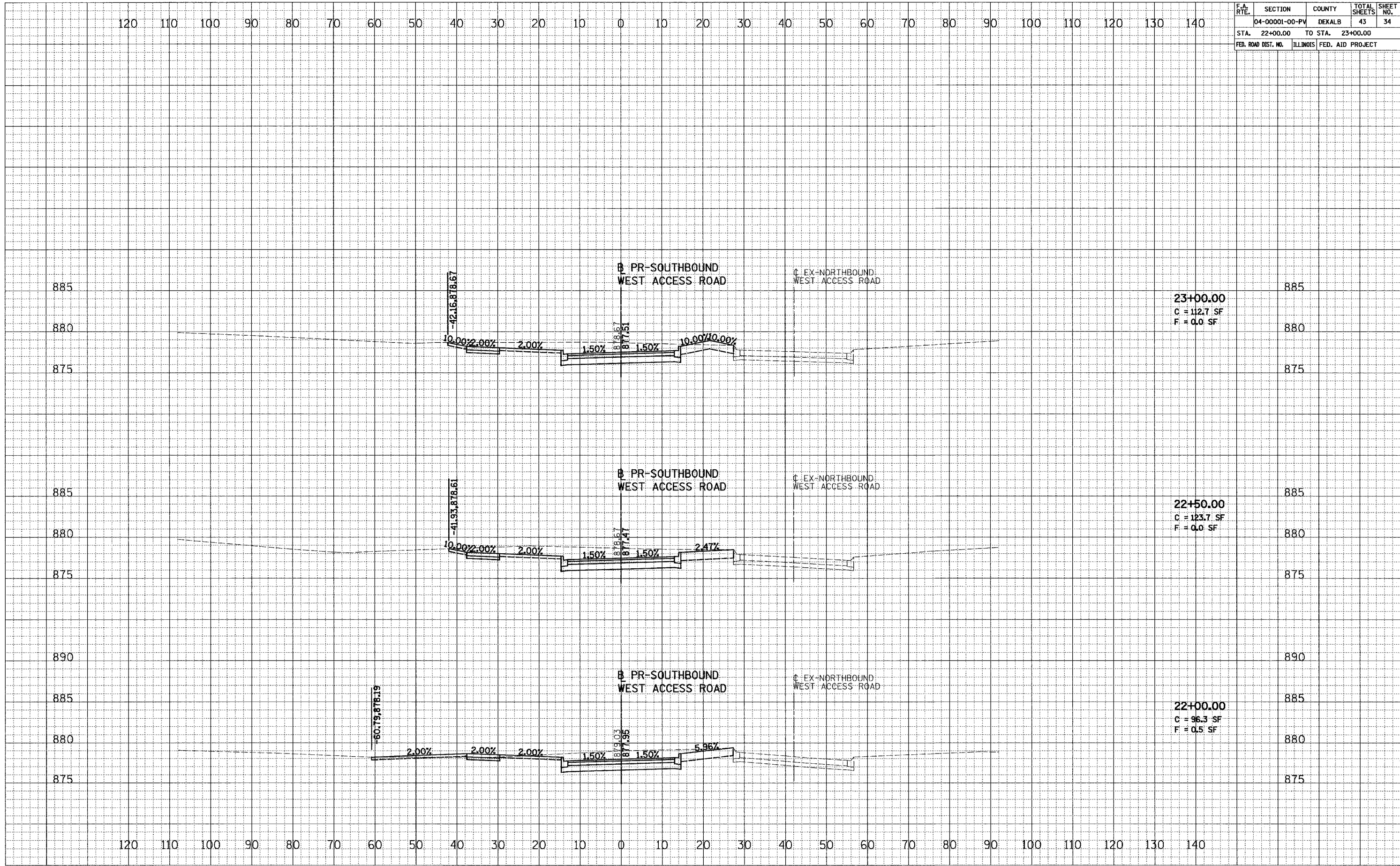
WEST ACCESS ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	34
STA. 22+00.00	TO STA. 23+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
REVISIONS	
1. SURVEYED	
2. PLOTTED	
3. TEMPLATE	
4. AREAS CHECKED	
5. FINISHED	
6. CHECKED	
7. APPROVED	
8. DATE	



DATE	
BY	
REVISIONS	
1. SURVEYED	
2. PLOTTED	
3. TEMPLATE	
4. AREAS CHECKED	
5. FINISHED	
6. CHECKED	
7. APPROVED	
8. DATE	



23+00.00
C = 112.7 SF
F = 0.0 SF

22+50.00
C = 123.7 SF
F = 0.0 SF

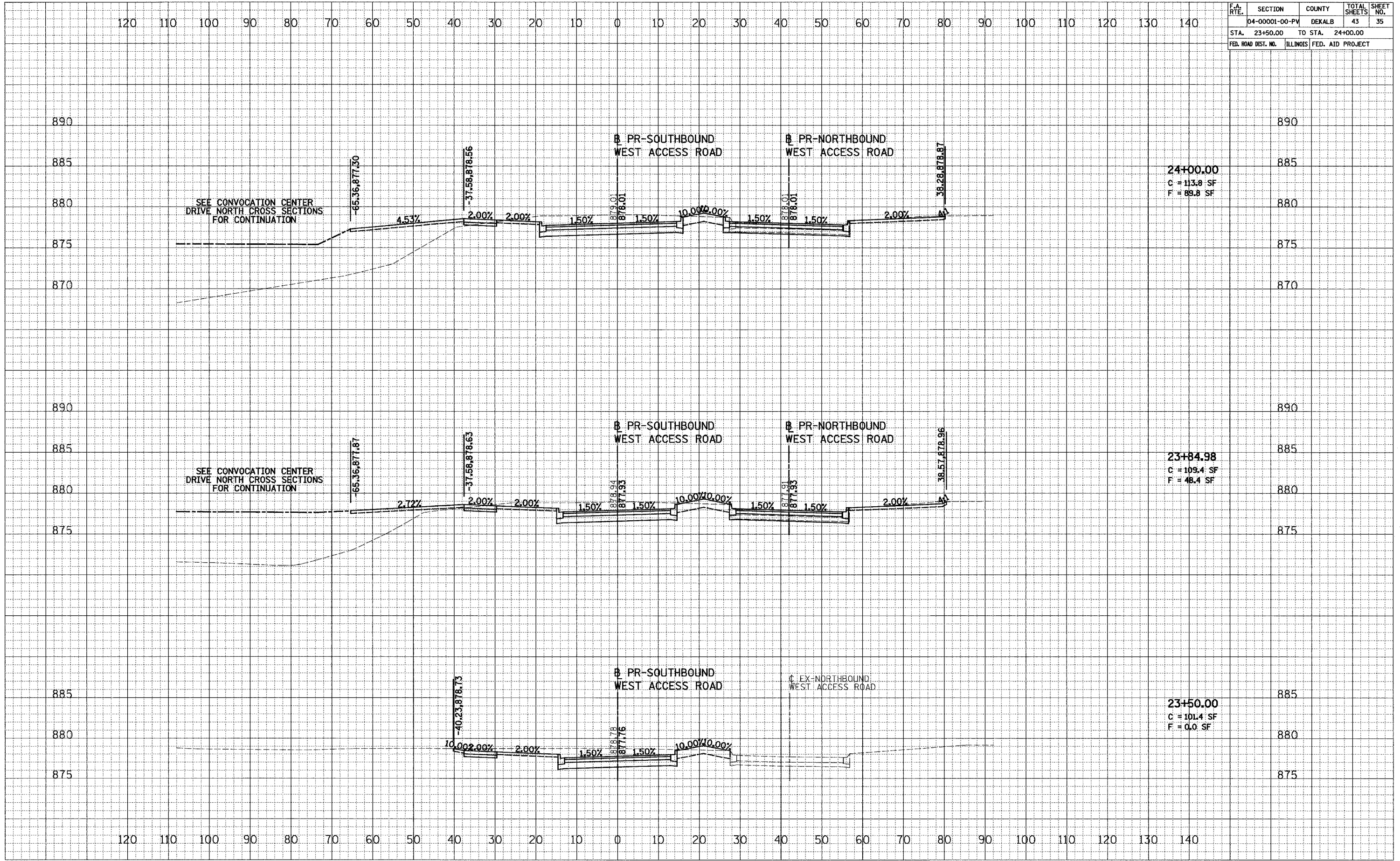
22+00.00
C = 96.3 SF
F = 0.5 SF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	35
STA. 23+50.00	TO STA. 24+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
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DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



24+00.00
C = 113.8 SF
F = 89.8 SF

23+84.98
C = 109.4 SF
F = 48.4 SF

23+50.00
C = 101.4 SF
F = 0.0 SF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	36
STA. 24+51.83	TO STA. 25+20.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

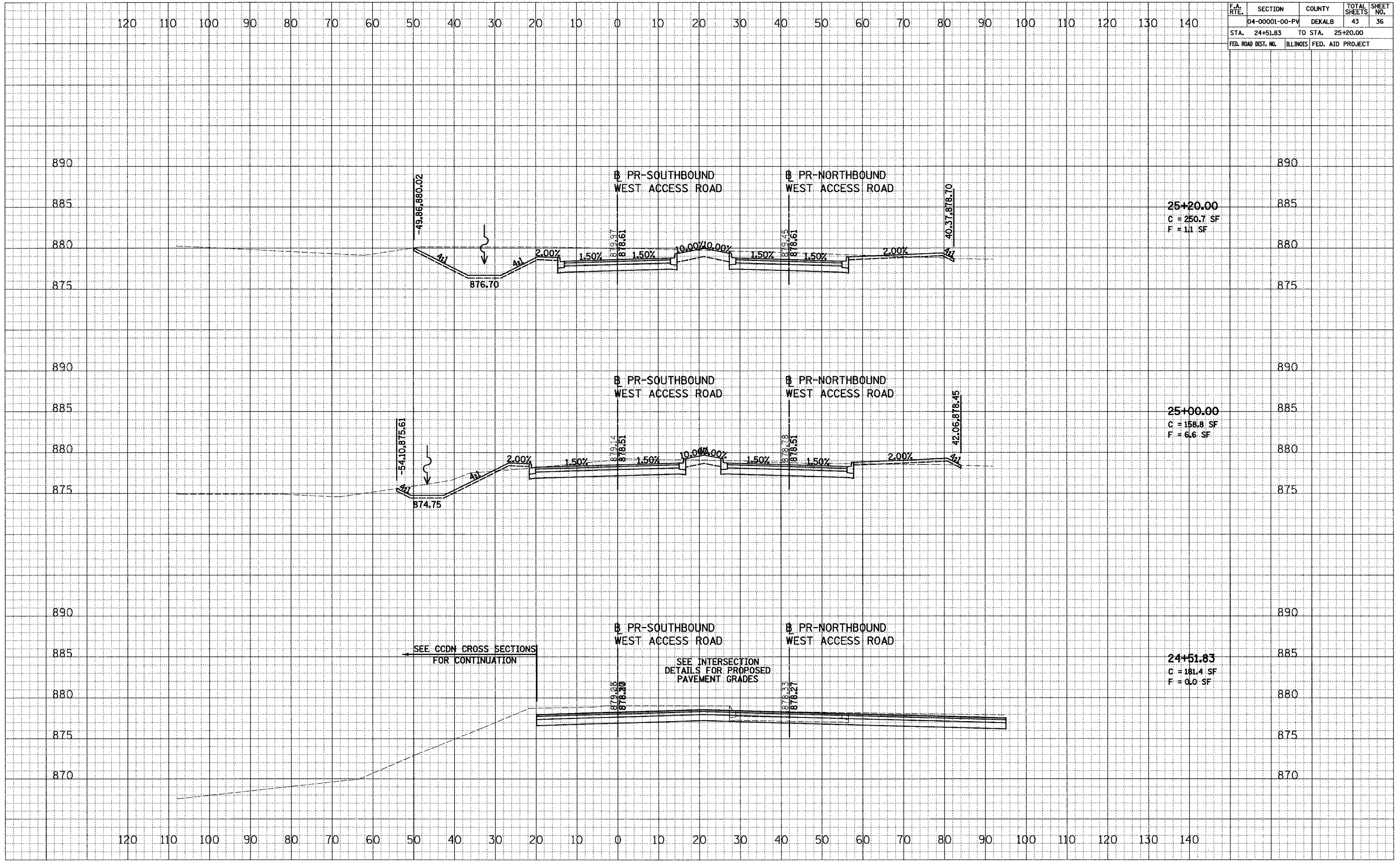
DATE	BY

FINL SURVEY	REVISIONS
NOTE BOOK NO.	



DATE	BY

ORIGINAL SURVEY	REVISIONS
NOTE BOOK NO.	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	37
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BY	DATE

REVIEWED	DATE

FINAL SURVEY	DATE

NO.	AREAS CHECKED

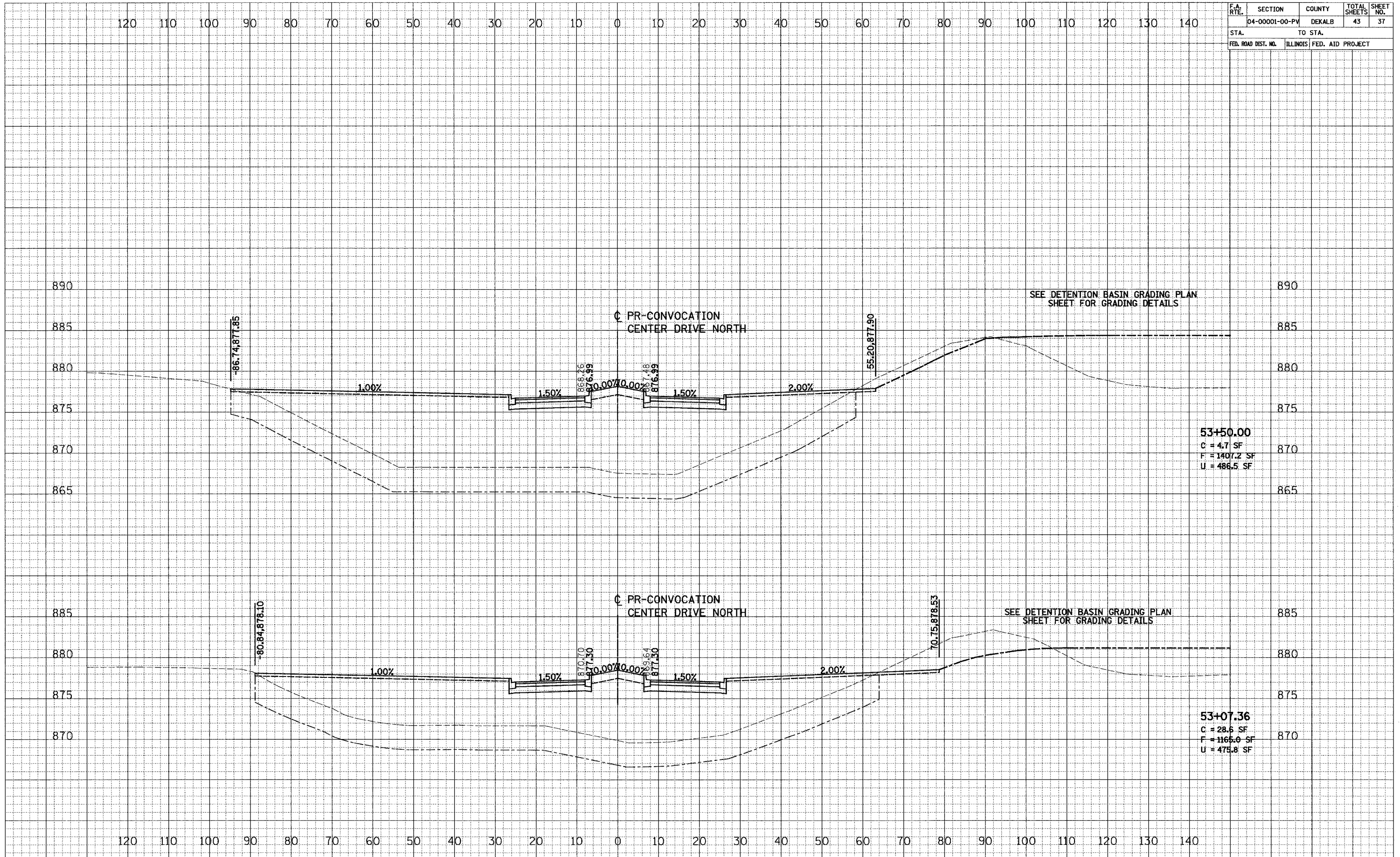


BY	DATE

REVIEWED	DATE

ORIGINAL SURVEY	DATE

NO.	AREAS CHECKED



53+50.00
C = 4.7 SF
F = 1407.2 SF
U = 486.5 SF

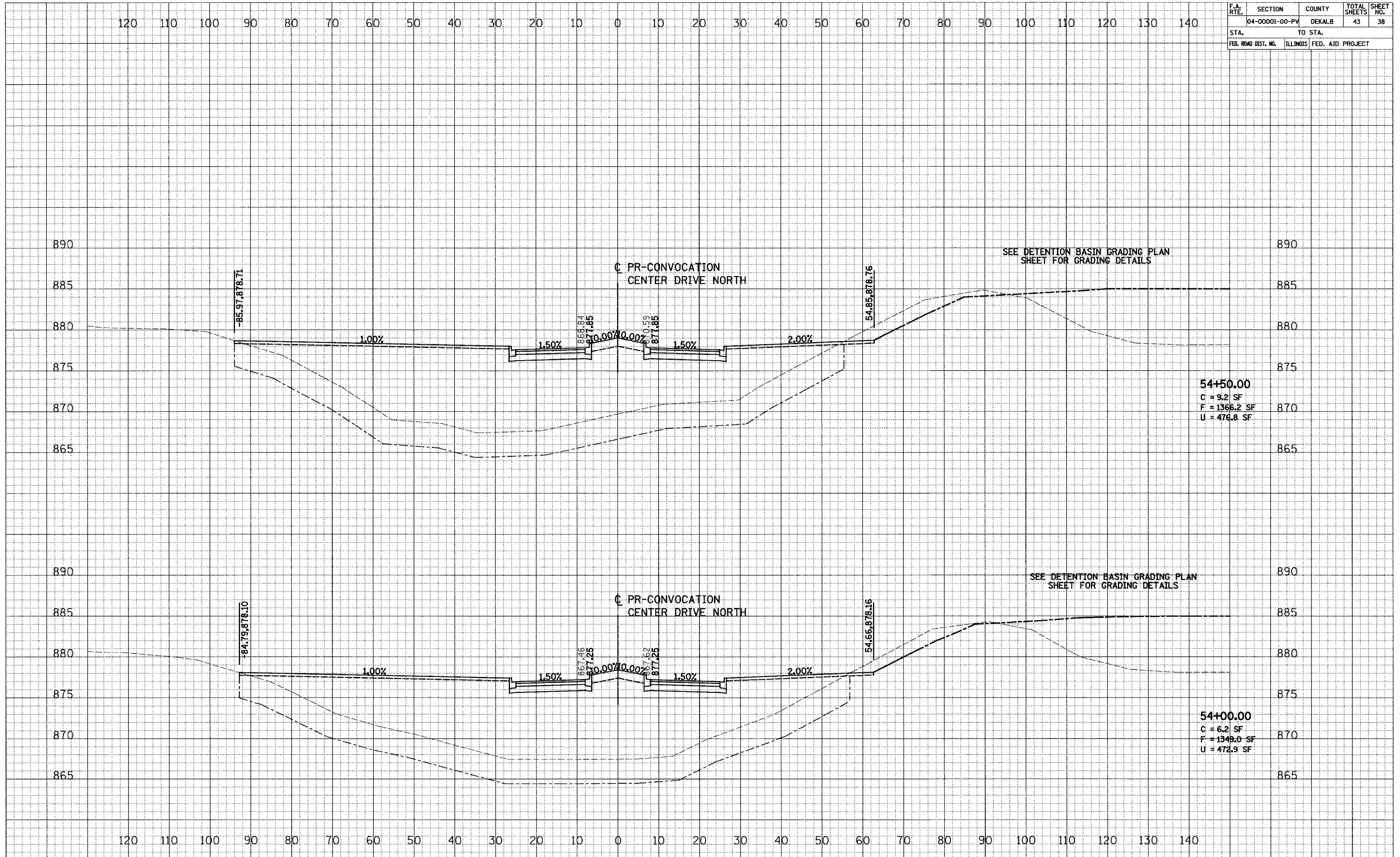
53+07.36
C = 28.6 SF
F = 1165.0 SF
U = 475.8 SF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	38
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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



54+50.00
 C = 9.2 SF
 F = 1366.2 SF
 U = 476.8 SF

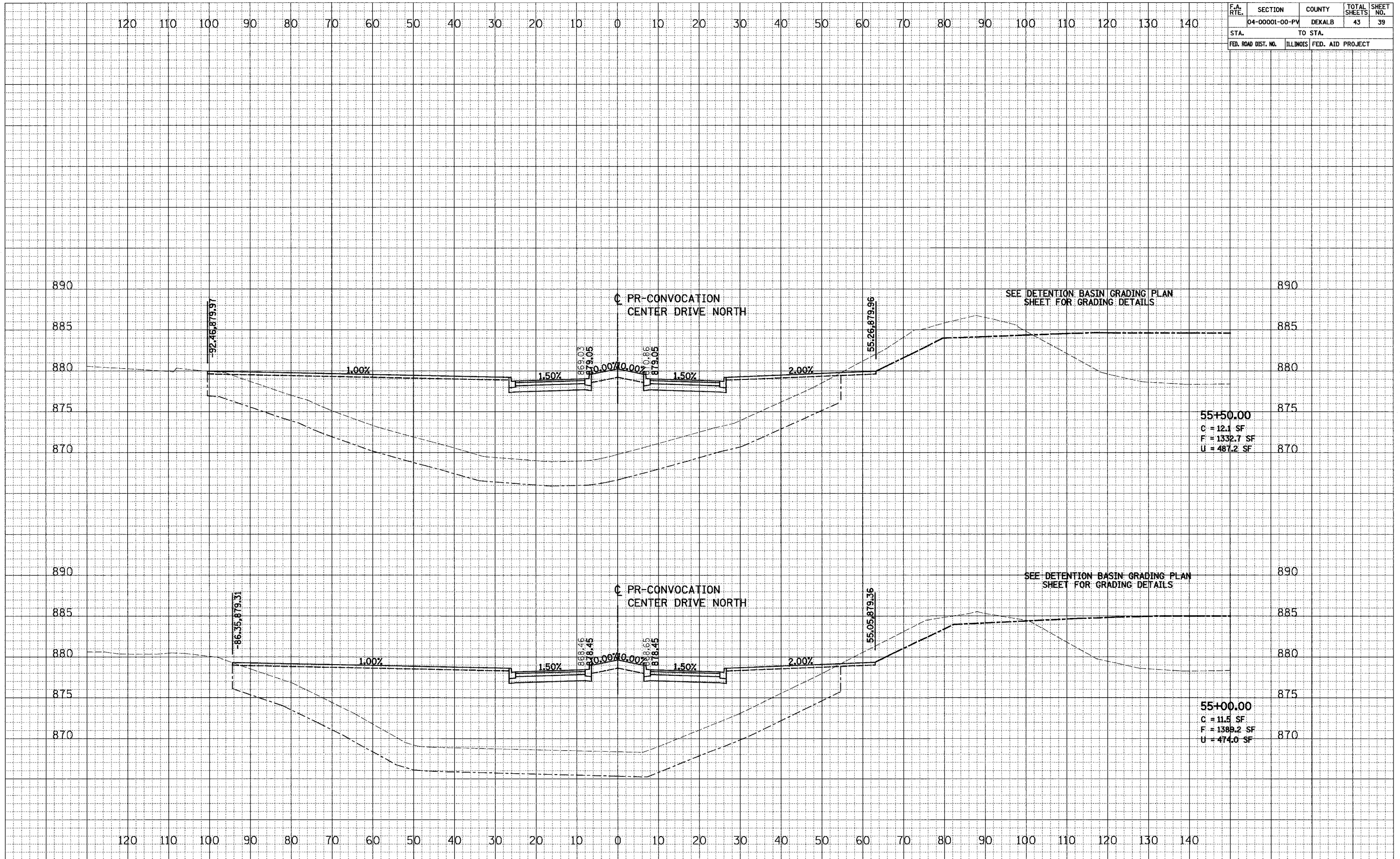
54+00.00
 C = 6.2 SF
 F = 1349.0 SF
 U = 472.9 SF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	39
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



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

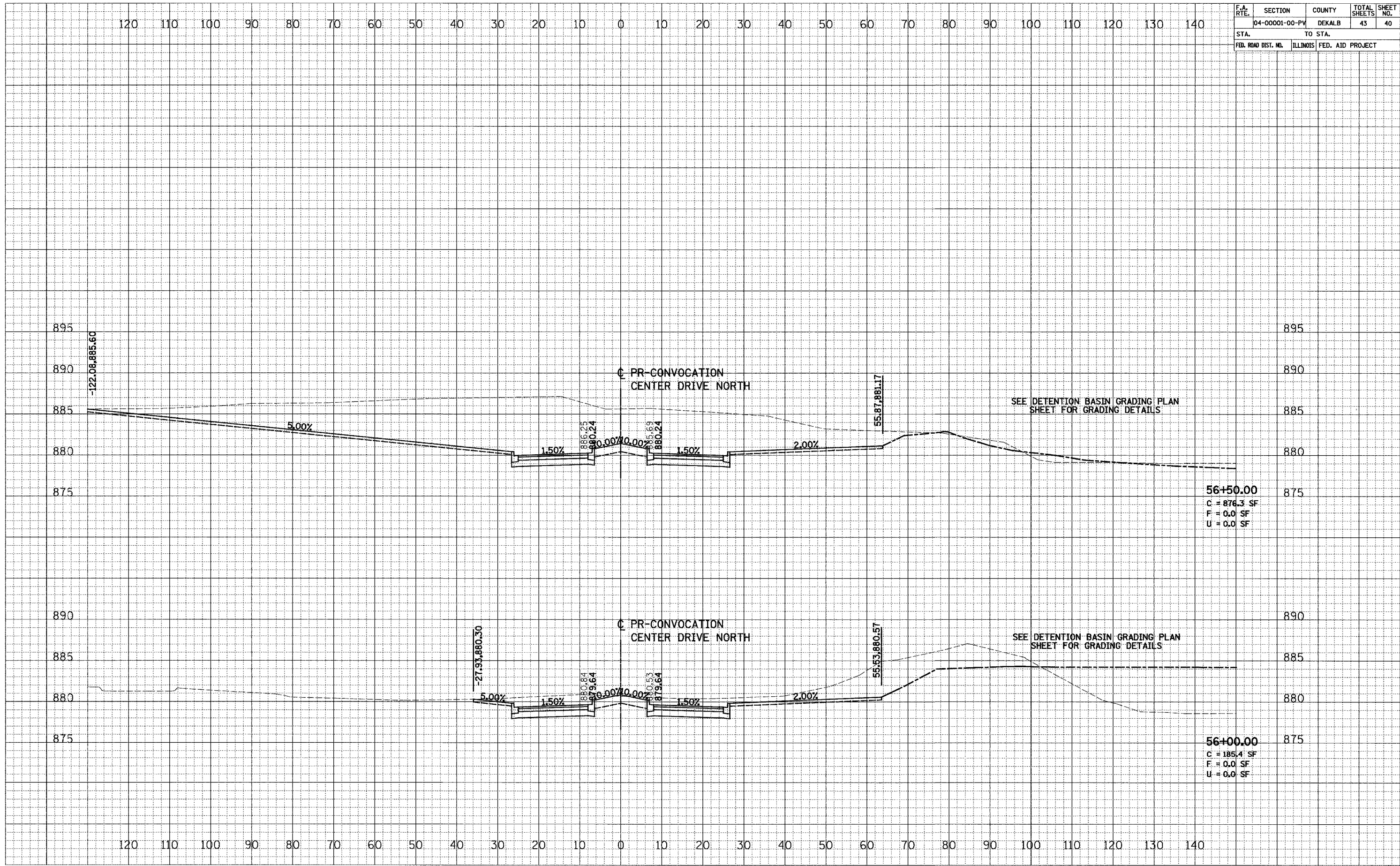


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	43	40
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

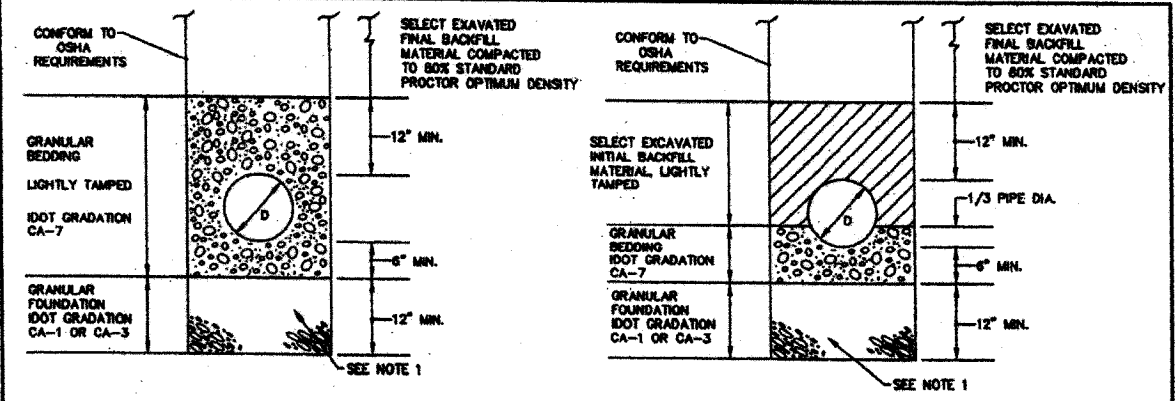


DATE	BY
ORIGINAL SURVEY NOTE BOOK NO.	REVISIONS PLOTTED TEMPLATE AREAS CHECKED



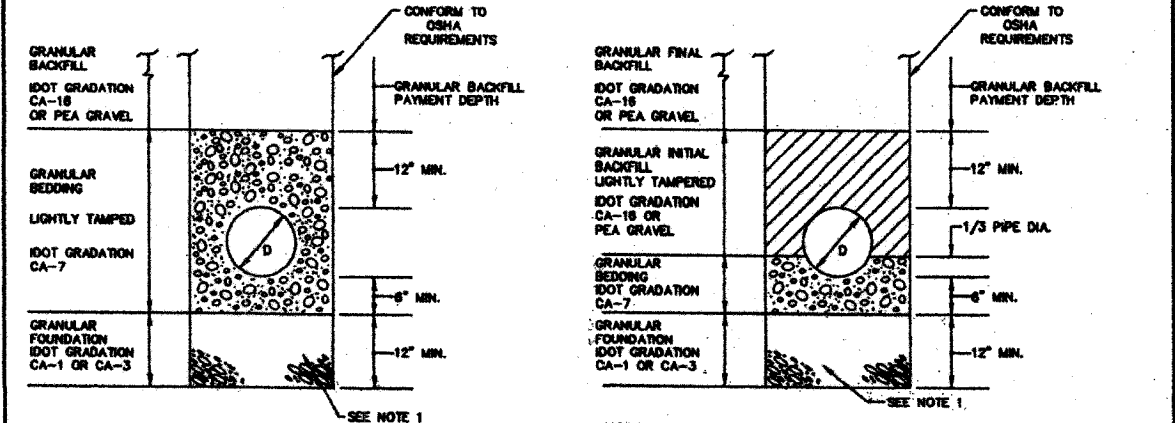
CONVOCAION CENTER DRIVE NORTH

TOTAL SHEETS	43	SHEET NO.	42
PROJECT	M-5017(35)		
Sheet 1 of 2			



BEDDING AND BACKFILL REQUIREMENTS FOR POLYVINYL CHLORIDE (PVC) SEWERS IN NON-STRUCTURAL LOCATIONS

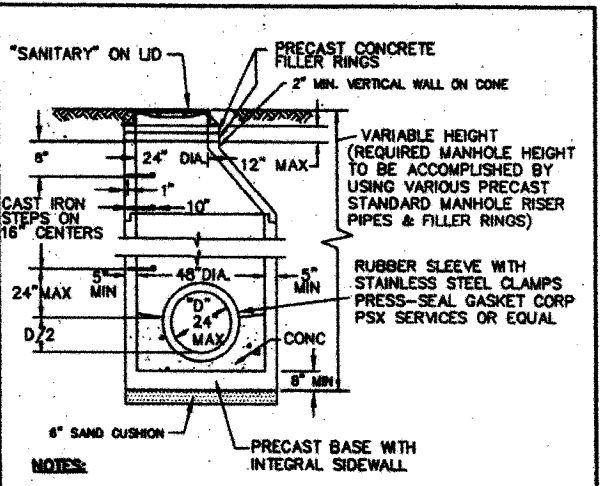
BEDDING AND BACKFILL REQUIREMENTS FOR DUCTILE IRON PIPE SEWERS IN NON-STRUCTURAL LOCATIONS



BEDDING AND BACKFILL REQUIREMENTS FOR POLYVINYL CHLORIDE (PVC) SEWERS IN STRUCTURAL LOCATIONS

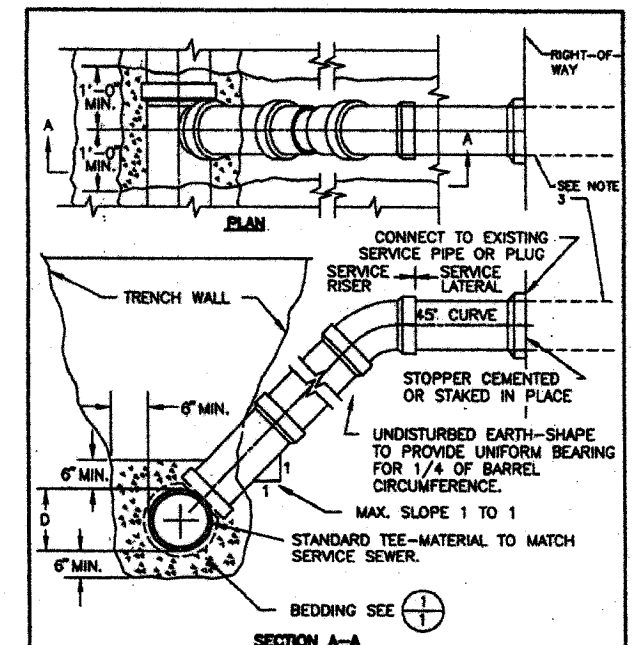
BEDDING AND BACKFILL REQUIREMENTS FOR DUCTILE IRON PIPE SEWERS IN STRUCTURAL LOCATIONS

NOTE 1
CONSTRUCT GRANULAR FOUNDATION WHERE UNSUITABLE MATERIAL OR WET CONDITIONS ARE ENCOUNTERED AT BOTTOM OF TRENCH



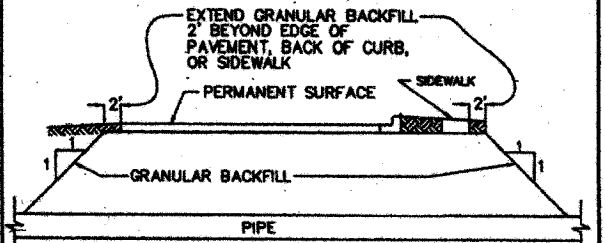
- NOTES:**
- ENTIRE EXTERIOR OF MANHOLE TO BE COATED WITH BITUMASTIC COATING.
 - MANHOLE CONSTRUCTION SHALL CONFORM TO ASTM C478, LATEST REVISION. CONCENTRIC CONES WILL NOT BE ALLOWED.
 - ALL JOINTS SHALL BE SEALED WATER-TIGHT BY MEANS OF E-Z STRIK, KENT-SEAL OR RUB R NEK (INCLUDING BOTTOM OF CAST IRON FRAME AND PRECAST CONCRETE FILLER RINGS).
 - MANHOLE FRAME & LID SHALL BE NEENAH R-1015-2000, EAST JORDAN WORKS 1060 OR APPROVED EQUAL WITH SELF-SEALING LID WITH CONCEALED PICKHOLES.
 - CONSTRUCT FLEXIBLE WATERTIGHT CHIMNEY SEAL PER ①/②
 - FOR NEW CONNECTIONS TO EXISTING MANHOLES, CORE DRILL OPENING & INSTALL WATERTIGHT PIPE TO MANHOLE SEAL, LINK SEAL OR EQUAL.
 - STEPS SHALL BE POLYPROPYLENE COATED STEEL REINFORCED RODS.

SANITARY MANHOLE
NO SCALE ②/①



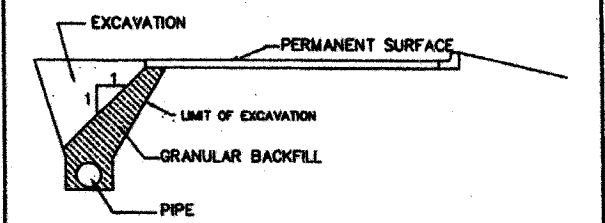
- NOTES:**
- MAXIMUM SLOPE SHALL BE LESS THAN 1 TO 1 WHEN IT IS NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH.
 - SERVICE RISERS SHALL BE CONSTRUCTED OF SAME MATERIALS AS MAINLINE SEWER, 4" MIN. DIA.
 - CONFORM TO LOCAL REQUIREMENTS FOR PIPE MATERIALS AND INSTALLATION OUTSIDE OF PUBLIC RIGHT-OF-WAY. PROVIDE SUITABLE ADAPTER COUPLING (FERNCO OR EQUAL) TO JOIN DISSIMILAR PIPE MATERIALS OR SIZES.

SERVICE RISER
NO SCALE ③/①

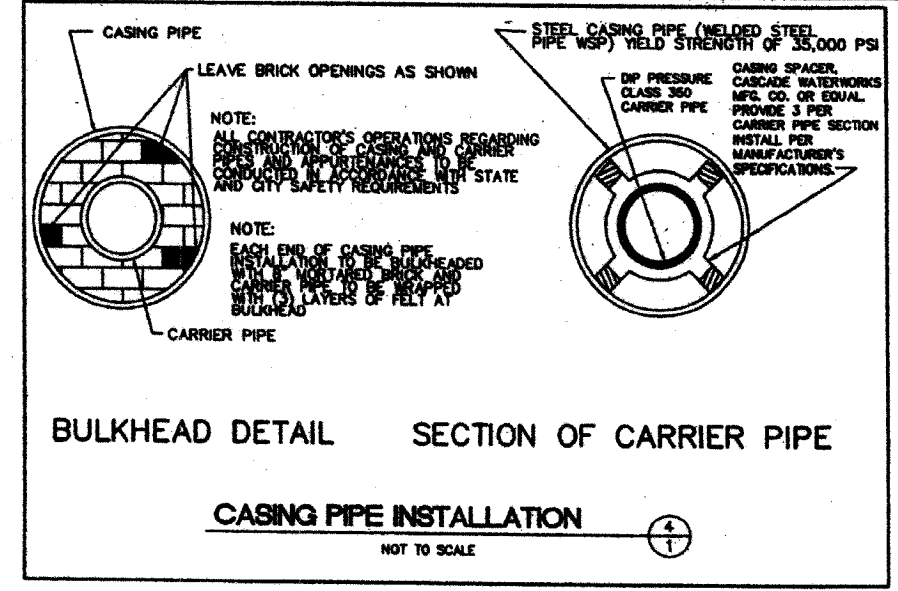


TYPICAL SECTION OF PIPE CROSSING UNDER PERMANENT SURFACE

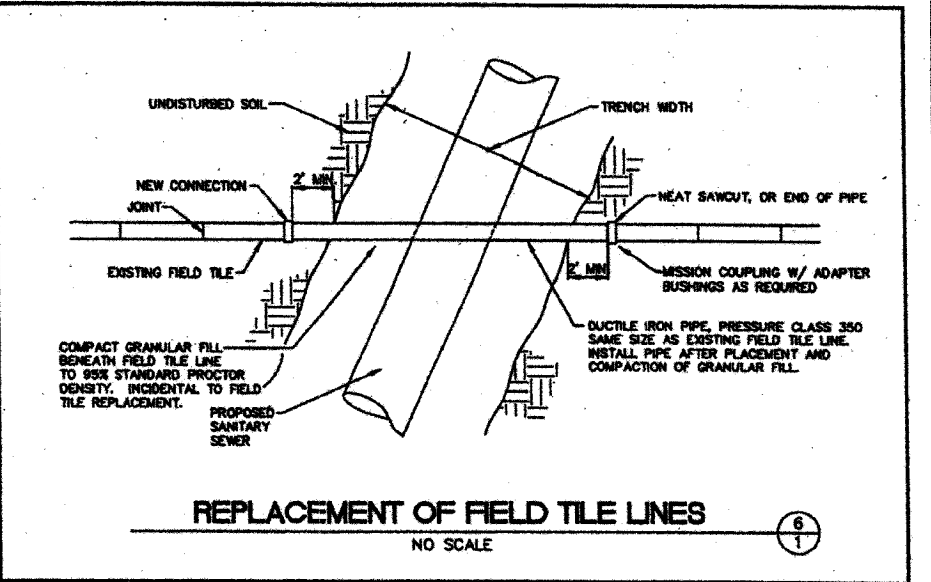
- NOTE:**
THESE SECTIONS APPLY WHEREVER PIPE IS ADJACENT TO, OR CROSSES UNDER A ROADWAY, PARKING LOT, SIDEWALK, DRIVEWAY, STRUCTURE OR PAVEMENT.



TYPICAL SECTION OF PIPE PARALLEL TO PERMANENT SURFACE
NO SCALE ⑤/①



BULKHEAD DETAIL SECTION OF CARRIER PIPE
CASING PIPE INSTALLATION
NOT TO SCALE ④/①



REPLACEMENT OF FIELD TILE LINES
NO SCALE ⑥/①

REV.	DATE	REMARKS

DESIGNED: OLS
DRAWN: EMK
CHECKED: MLP
DATE: 7/14/97

BELING CONSULTANTS

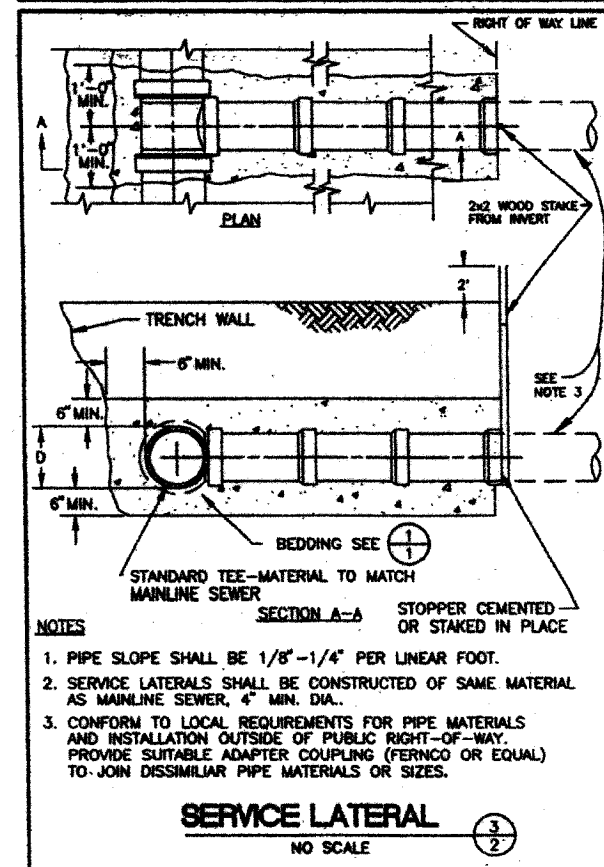
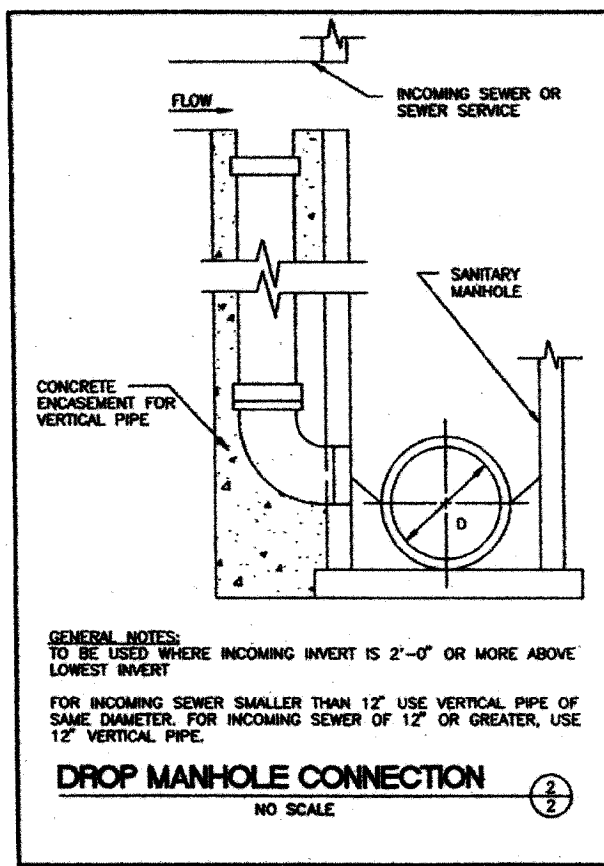
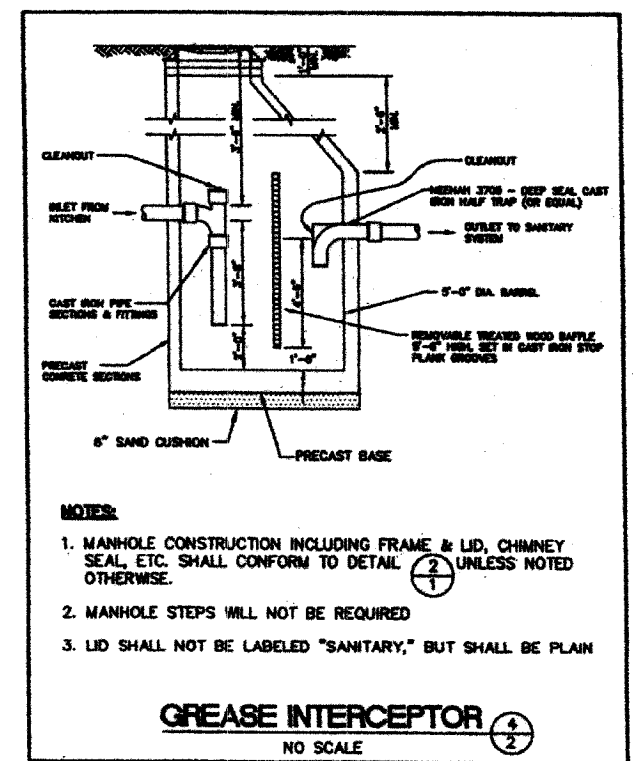
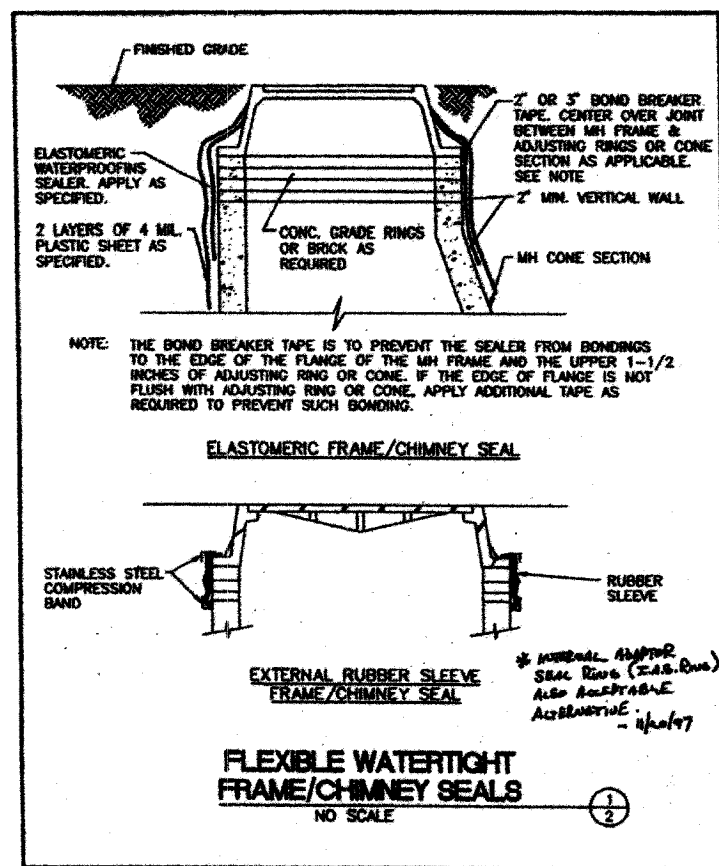
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□ PRELIMINARY
■ FINAL
□ RECORD

STANDARD DETAILS
DEKALB SANITARY DISTRICT
DEKALB ILLINOIS

SECTION 04-00001-00-PV

TOTAL SHEETS	SHEET NO.
43	43
PROJECT M-5017(35)	



- GENERAL NOTES:
- SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 - SEWERS, RISERS, AND SERVICE LATERALS MAY BE CONSTRUCTED OF EITHER DIP OR PVC PIPE WITH BEDDING AS INDICATED. CARRIER PIPES, MUST BE CONSTRUCTED OF DIP PIPE AS SPECIFIED BELOW.
 - DUCTILE IRON PIPE: AWWA C151; THICKNESS AWWA C150; INTERIOR CEMENT LINING AND BITUMINOUS COATINGS; EXTERIOR COAL TAR COATING, AWWA C104, PRESSURE CLASS 350. JOINTS SHALL BE AWWA C111 RUBBER RING SLIP SEAL OR PUSH-ON TYPE.
 - POLYVINYL CHLORIDE (PVC) PIPE: ASTM D3034, HEAVY WALL SEWER PIPE; SDR-26. JOINTS SHALL BE ASTM D3212 FLEXIBLE ELASTOMERIC SEALS.
 - CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT AND THE CITY OF DEKALB (IF IN PUBLIC RIGHT-OF-WAY) 24 HOURS IN ADVANCE OF THE BEGINNING OF SANITARY SEWER CONSTRUCTION.
 - FULL LENGTH OF SANITARY SEWERS SHALL BE TESTED AS SPECIFIED IN DIVISION 3, SECTION 31 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. THE CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT 48 HOURS IN ADVANCE OF THE TESTING PROCEDURES. A REPRESENTATIVE OF THE DEKALB SANITARY DISTRICT MUST BE PRESENT TO OBSERVE THE TESTING PROCEDURES. TESTING WILL INCLUDE LOW PRESSURE AIR TESTING, DEFLECTION TESTING OF FLEXIBLE PIPE, AND PIPE LAMPING.
 - SANITARY MANHOLE FRAME/CHIMNEY SEAL SHALL CONSIST OF AN EXTERNAL RUBBER SLEEVE MANUFACTURED BY ORETEX SPECIALTY PRODUCTS OR AN ELASTOMERIC FRAME/CHIMNEY SEAL. THE ELASTOMERIC FRAME/CHIMNEY SEAL SHALL BE A SINGLE COMPONENT MOISTURE CURING POLYURETHANE. ACCEPTABLE PRODUCTS:
 - TREMPROOF 60
 - DURAMEN V500
 - THODOCK OF
 - SKAFLEX IA
- BOND BREAKER MATERIAL SHALL BE POLYETHYLENE TAPE, 2 TO 3 INCHES WIDE WITH ONE SIDE HAVING ADHESIVE WHICH WILL READILY ADHERE TO IRON AND MASONRY. THE OTHER SIDE SHALL BE TREATED OR COATED TO POSITIVELY PREVENT A BOND WITH THE ELASTOMERIC SEALER. BOND BREAKER SHALL BE COMPATIBLE FOR USE WITH THE SEALER AND SHALL BE FURNISHED OR RECOMMENDED BY THE SEALER SUPPLIER.
- PRIMER AND CLEANER SHALL BE AS RECOMMENDED OR FURNISHED BY THE SEALER SUPPLIER.
- THE FRAME/CHIMNEY SEAL SHALL BE INSTALLED IN SUFFICIENT HEIGHT TO COVER THE FRAME/CHIMNEY JOINT AND ANY JOINTS ABOVE AND BELOW ANY PRECAST ADJUSTMENT RINGS.
- INSTALLATION OF FRAME/CHIMNEY SEAL:
 - INSTALL SEALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - POWER BRUSH TO ENSURE SURFACE TO RECEIVE SLEEVE IS CIRCULAR, CLEAN, REASONABLY SMOOTH, AND FREE OF LOOSE MATERIAL AND VOIDS.
 - EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL:
 - WHEN SURFACE IS ROUGH OR IRREGULAR, CORRECT WITH APPROVED LOW-SHINK MORTAR.
 - FILL ALL MINOR IRREGULARITIES WITH BUTYL RUBBER SEALANT.
 - PLACE RUBBER SLEEVE IN POSITION AROUND MANHOLE AND TIGHTEN STAINLESS STEEL BANDS TO PROVIDE WATERTIGHT SEAL.
 - SKIRT:
 - WRAP AROUND LOWER PORTION OF CHIMNEY BEFORE BOTTOM BAND IS INSTALLED, AND EXTENDED OVER LOWER BAND RECESS.
 - PULL SKIRT TIGHT AND SOLVENT-WELD OVERLAPPED ENDS.
 - TIGHTEN BOTTOM BANDS.
 - ELASTOMERIC FRAME/CHIMNEY SEAL:
 - FILL DEPRESSIONS WHICH ARE GREATER THAN 1/4 INCH WITH MORTAR.
 - ALL SURFACES SHALL BE FREE OF DUST, OIL, RUST, LOOSE MATERIALS AND OTHER CONTAMINANTS, WIPE WITH CLEANER.
 - APPLY BOND BREAKER TAPE COMPLETELY AROUND MANHOLE, CENTERED OVER THE JOINT BETWEEN THE CASTING AND ADJACENT MASONRY.
 - APPLY PRIMER IMMEDIATELY AFTER CLEANING.
 - APPLY SEALER WITH TROWEL, ROLLER OR SPRAYER TO ACHIEVE A THICKNESS OF NOT LESS THAN 100 WET MILS. DO NOT APPLY WHEN TEMPERATURE IS BELOW 40 DEGREES AND FALLING. APPLY SEALER 6 INCHES UP ON THE CASTING, OVER ADJUSTING RINGS, AND A MINIMUM 6 INCHES BELOW THE TOP OF THE PRECAST CONE SECTION.
 - ALLOW SEALER TO CURE 48 HOURS PRIOR TO BACKFILLING.
 - IMMEDIATELY BEFORE BACKFILLING, LOOSELY WRAP TWO LAYERS OF 4 MIL PLASTIC SHEET OVER THE SEALED AREA TO PREVENT DIRECT CONTACT WITH BACKFILL.
 - SANITARY MANHOLE TESTING

ALL NEW MANHOLES TO BE TESTED WITH VACUUM TESTER AS FOLLOWS:

Sheet 2 of 2

 - THE CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT 48 HOURS IN ADVANCE OF THE TESTING PROCEDURE.
 - CONTRACTOR SHALL TEST MANHOLE FROM TOP OF CONE SECTION ON DOWN. TESTING OF ADJUSTING RINGS AND THE FRAME TO MANHOLE JOINT IS NOT REQUIRED.
 - PLUG ALL INCOMING AND OUTGOING SEWER AND SERVICE LINES AND RESTRAIN PLUGS.
 - REMOVE LID AND PLACE VACUUM TESTER HEAD ON TOP PORTION OF CONE SECTION.
 - DRAW VACUUM OF 10 INCHES HG.
 - TIME FOR VACUUM TO DROP TO 9 INCHES HG SHALL NOT BE LESS THAN 40, 50, OR 60 SECONDS FOR MANHOLE DIAMETERS OF 48, 60, AND 72 INCHES RESPECTIVELY.
 - FOR MANHOLES DEEPER THAN 20 FEET, TEST TIMES SHALL BE INCREASED BY 2 SECONDS PER FOOT OF ADDITIONAL MANHOLE DEPTH.
 - MANHOLES THAT FAIL SHALL BE SEALED AND RETESTED BY CONTRACTOR AT NO ADDITIONAL COMPENSATION UNTIL MANHOLE IS ABLE TO PASS TEST.
 - SEQUENCE OF MANHOLE CONSTRUCTION, TESTING
 - CONSTRUCT MANHOLE WITH LID/CASTING SET TO APPROXIMATE FINISHED GRADE. LID MUST BE EXPOSED.
 - PERFORM SANITARY MANHOLE TESTING IN CONFORMANCE WITH NOTE 7.
 - ISOLATE AND REPAIR ANY LEAKING JOINTS, PIPE SEALS, ETC.. OBTAIN PRE-APPROVAL OF REPAIR MATERIALS AND METHODS FROM DEKALB SANITARY DISTRICT. LEAKS MUST BE REPAIRED EXTERNALLY. "WIPING" OF MORTAR OR SEALANTS ON INSIDE SURFACE OF MANHOLE WILL NOT BE ACCEPTED. RETEST MANHOLE.
 - ONCE THE LEVELING BINDER FOR THE STREET HAS BEEN CONSTRUCTED, ADJUST MANHOLE TO FINAL GRADE AND INSTALL FRAME/CHIMNEY SEALS.
 - CONTACT DEKALB SANITARY DISTRICT FOR FINAL VISUAL INSPECTION OF FRAME/CHIMNEY SEAL INSTALLATIONS.
 - SYSTEM ISOLATION

THE DEKALB SANITARY DISTRICT WILL INSTALL ISOLATION PLUG(S) TO PROTECT THE "LIVE" DOWNSTREAM SANITARY SEWERS FROM EXTRANEOUS WATER AND DEBRIS DURING THE SEWER CONSTRUCTION.

THE PLUGS WILL NOT BE REMOVED UNTIL THE NEW SEWERS HAVE PASSED THE REQUIRED TESTS AND INSPECTIONS AND AT SUCH TIME THAT THE DISTRICT DETERMINES TO BE APPROPRIATE.

TAMPERING WITH OR REMOVAL OF THE ISOLATION PLUGS IS A VIOLATION OF DEKALB SANITARY DISTRICT ORDINANCE NO. 259. ANY PERSON VIOLATING SAID ORDINANCE PROVISION IS SUBJECT TO FINES, LEGAL ACTION AND IMMEDIATE ARREST.
 - RECORD DRAWINGS

THE CONTRACTOR SHALL SUPPLY THROUGH HIS ENGINEER THE DISTRICT WITH TWO SETS OF RECORD DRAWINGS: ONE SET IS TO BE A MYLAR COPY AND ONE SET IS TO BE A BLUELINE OR "XEROX" COPY. THE RECORD DRAWINGS SHALL INDICATE ANY CHANGES FROM ORIGINAL PLANS.

THE RECORD DRAWINGS SHALL INCLUDE THE FOLLOWING: 1) THE RIM AND INVERT ELEVATIONS (USGS/MSL DATUM); 2) THE % GRADE, SIZE, PIPE MATERIAL AND DISTANCE FROM MANHOLE TO MANHOLE; 3) THE DISTANCE FROM A DEFINED MANHOLE TO EACH SERVICE WYE OR TEE AND THE LOCATION OF LATERALS AT LOT PROPERTY LINES (MEASURED FROM LOT LINE PINS); 4) SIZE & MATERIAL SERVICE LATERALS ARE MADE OF.

RECORD DRAWINGS ARE TO BE LABELED "RECORD DRAWINGS", AND DATED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF ILLINOIS.
 - PROJECT COMPLETION/ACCEPTANCE

TO ASSURE A TIMELY ACCEPTANCE OF THE NEW SEWER, ALL DEFICIENCIES SHALL BE NOTED DURING THE DISTRICT'S INSPECTIONS AND SHALL BE CORRECTED PRIOR TO FINAL INSPECTION. THE PLACEMENT OF A NEW SYSTEM INTO SERVICE OR THE ISSUANCE OF OCCUPANCY PERMITS MAY BE JEOPARDIZED UNTIL ALL REQUIREMENTS ARE COMPLETED.

REV.	DATE	REMARKS

DESIGNED: DLB
DRAWN: EMK
CHECKED: MLP
DATE: 7/14/97

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<input type="checkbox"/>	RECORD

GENERAL NOTES AND DETAILS

DEKALB SANITARY DISTRICT

DEKALB ILLINOIS

SECTION 04-0001-00-PV