

# PLANS FOR PROPOSED ROADWAY IMPROVEMENTS

## FAIRVIEW BIKE PATH CITY OF DEKALB

**F.A.U. ROUTE 5345 (FAIRVIEW DR.)  
SECTION 10-00177-00-BT  
CITY OF DEKALB, DEKALB COUNTY  
PROJECT TCSP-IL10(103)  
JOB NO. C-93-117-11**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5345	#	DEKALB	26	1
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

\* Section 10-00177-00-BT Contract #87480

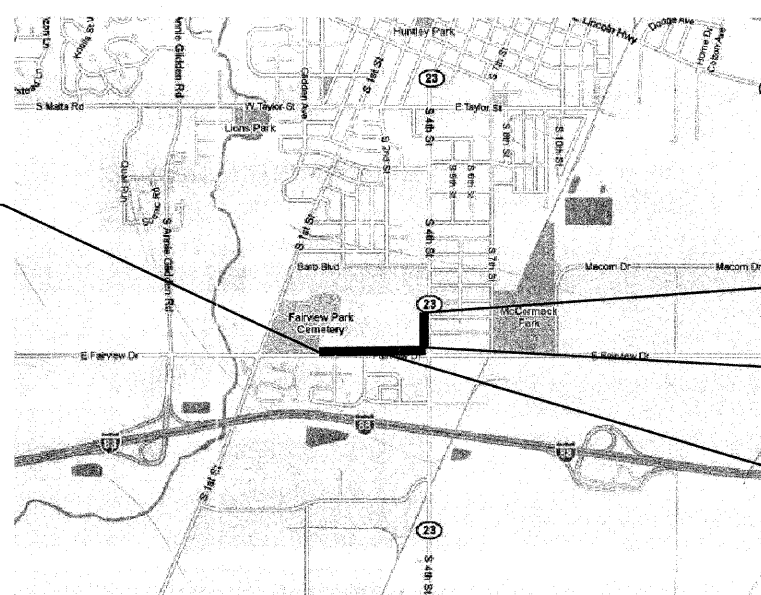
### INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY & SCHEDULE OF QUANTITIES
3. TYPICAL SECTIONS & GENERAL NOTES
4. OVERALL PLAN
5. EASEMENT PLAN
6. PLAN & PROFILE - FAIRVIEW DRIVE PATH
7. PLAN & PROFILE - FAIRVIEW DRIVE PATH
8. PLAN & PROFILE - FAIRVIEW DRIVE PATH
9. PLAN & PROFILE - FAIRVIEW DRIVE PATH
10. PLAN & PROFILE - FAIRVIEW DRIVE PATH
11. PLAN & PROFILE - FAIRVIEW DRIVE PATH
12. PLAN & PROFILE - IL. RT. 23 SIDEWALK
13. PLAN & PROFILE - PATRIOT DRIVE SIDEWALK
14. INTERSECTION DETAILS
15. SIGNAGE & PAVEMENT STRIPING PLAN
16. EROSION CONTROL PLAN
17. CROSS SECTIONS - FAIRVIEW DRIVE PATH
18. CROSS SECTIONS - FAIRVIEW DRIVE PATH
19. CROSS SECTIONS - FAIRVIEW DRIVE PATH
20. CROSS SECTIONS - FAIRVIEW DRIVE PATH
21. CROSS SECTIONS - FAIRVIEW DRIVE PATH
22. CROSS SECTIONS - IL. RT. 23 SIDEWALK
23. CROSS SECTIONS - PATRIOT DRIVE SIDEWALK
24. TRAFFIC SIGNAL MODIFICATION PLAN
25. TRAFFIC SIGNAL CABLE PLAN & SEQUENCE
26. TRAFFIC SIGNAL GENERAL NOTES & DETAILS

### INDEX OF STANDARDS

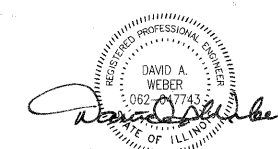
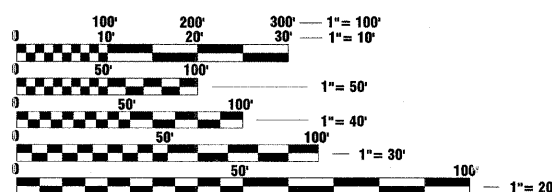
- |           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| 280001-06 | TEMPORARY EROSION CONTROL SYSTEMS                                        |
| 424001-06 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS                                   |
| 424006    | DIAGONAL CURB RAMPS FOR SIDEWALKS                                        |
| 602011-02 | CATCH BASIN TY. C                                                        |
| 602306-03 | INLET TYPE B                                                             |
| 604001-03 | TYPE 1 FRAME & LIDS                                                      |
| 604036-02 | TYPE 8 GRATE                                                             |
| 606001-04 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER              |
| 664001-02 | CHAIN LINK FENCE                                                         |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY                            |
| 701006-03 | OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE                 |
| 701011-02 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY                               |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS                              |
| 701427    | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <40MPH |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED                                    |
| 701801-05 | LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE            |
| 701901-02 | TRAFFIC CONTROL DEVICES                                                  |
| 720006-03 | SIGN PANEL ERECTION DETAILS                                              |
| 720001-01 | SIGN PANEL MOUNT DETAILS                                                 |
| 720021-02 | SIGN PANELS EXTRUDED ALUMINUM TYPE                                       |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT                                           |
| 780001-03 | TYPICAL PAVEMENT MARKING                                                 |
| 873001-02 | TRAFFIC SIGNAL GROUNDING                                                 |
| 878001-09 | CONCRETE FOUNDATION DETAILS                                              |

IMPROVEMENTS BEGIN  
STA. - 5+34



IMPROVEMENTS END  
STA. - 54+96  
STATION EQUATION  
FAIRVIEW DR.: STA. - 32+74  
IL. RT. 23: STA. - 50+00  
PROJECT LOCATION

LOCATION MAP - DEKALB, ILLINOIS  
TOTAL LENGTH OF SECTION = 3236 FT (0.61 MI)



Dec 29, 2011 DATE

DAVID A. WEBER  
STERLING, ILLINOIS  
ILLINOIS LICENSED PROFESSIONAL  
ENGINEER NO. 062-047743  
EXPIRES 11-30-2013

CITY OF DEKALB  
APPROVED December 27, 2011  
Joel C. Maurer  
CITY OF DEKALB

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PASSED 12-30-2011  
Justin  
DISTRICT 3 IMPLEMENTATION ENGINEER  
RELEASED FOR  
BID BASED ON  
LIMITED REVIEW  
Justin  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

REVISED 12/23/2011

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

THE LOCATIONS OF UTILITY FACILITIES AS SHOWN ON THESE PLANS ARE AN ESTIMATE AND NOT INTENDED AS FIELD LOCATIONS FOR CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITIES PRIOR TO CONSTRUCTION AND CALLING J.U.L.I.E. AT 800-892-0123 FOR CONFIRMATION OF EXISTING UTILITY LOCATIONS.

CONTRACT NO. 87480

**wendler**  
wendler engineering services, inc.  
engineers - surveyors - scientists  
www.wendlers.com ph: 815.288.2261

Date: 10/28/2011  
WES Job: 2100302

**SUMMARY OF QUANTITIES**  
CONSTRUCTION TYPE CODE 0028

**SCHEDULE OF QUANTITIES**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5345	*	DEKALB	26	2
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

\* Section 10-00177-00-BT Contract #87480

Special Provision	PAY ITEM CODE	DESCRIPTION	UNIT	QUANTITY
*	20200100	EARTH EXCAVATION	CU YD	1217
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	200
	20800150	TRENCH BACKFILL	CU YD	70
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	70
	21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	20
	25000200	SEEDING, CLASS 2	ACRE	2.3
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	196
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	196
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	196
	25100115	MULCH, METHOD 2	ACRE	2.3
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500
	28000400	PERIMETER EROSION BARRIER	FOOT	1252
	28000500	INLET AND PIPE PROTECTION	EACH	13
	31101800	SUBBASE GRANULAR MATERIAL, TYPE B 10"	SQ YD	2749
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	460
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	85
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	5
	40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	440
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4138
*	42400800	DETECTABLE WARNINGS	SQ FT	80
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	75
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	30
	50105220	PIPE CULVERT REMOVAL	FOOT	28
*	54209047	PIPE CULVERTS, SPECIAL 12"	FOOT	10
*	54205050	PIPE CULVERTS, SPECIAL 15"	FOOT	8
*	54205470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	152
	60100925	PIPE DRAINS 8"	FOOT	304
	60100935	PIPE DRAINS 10"	FOOT	28
	60100955	PIPE DRAINS 15"	FOOT	372
	60108700	PIPE UNDERDRAINS, PERFORATED CORRUGATED STEEL PIPE 6"	FOOT	350
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	4
	60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1
	60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	3
*	60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	30
	67100100	MOBILIZATION	L SUM	1
	72000100	SIGN PANEL - TYPE 1	SQ FT	115
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	328
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2864
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	222
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	160
Δ	81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	14
Δ	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
Δ	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	394
Δ	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	408
Δ	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	523
Δ	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL - 10 FT.	EACH	2
Δ	87500100	CONCRETE FOUNDATION, TYPE A	FOOT	8
Δ	87500200	DRILL EXISTING HANDBOLE	EACH	2
Δ	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
Δ	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
* Δ	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
* Δ	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
* Δ	X6640555	CHAIN LINK FENCE, 5' (SPECIAL)	FOOT	883
* Δ	X8140102	GROUND EXISTING HANDBOLE	EACH	4
	20013798	CONSTRUCTION LAYOUT	L SUM	1
* Δ	20033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL 1	EACH	1
Δ		SPECIALTY ITEM		
*		SEE SPECIAL PROVISIONS		

20800150	TRENCH BACKFILL	CU YD	
	LT. STA. 5+37		1
	LT. STA. 9+56		4
	LT. STA. 12+59		1
	LT. STA. 14+31		4
	LT. STA. 14+50		1
	LT. STA. 17+15		1
	LT. STA. 19+82		1
	LT. STA. 20+50		1
	LT. STA. 29+25 - LT. STA. 30+60		33
	LT. STA. 30+60		4
	LT. STA. 30+90		9
	LT. STA. 31+00		4
	LT. STA. 53+00		6
	TOTAL		70
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	
	PATRIOT DRIVE		70
	TOTAL		70
21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	
	STA. 52+94		20
	TOTAL		20
25000200	SEEDING, CLASS 2	ACRE	
	EAST FAIRVIEW DRIVE		1.6
	IL RT. 23		0.4
	STORM SEWER EASEMENT		0.2
	PATRIOT DRIVE		0.1
	TOTAL		2.3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	
	EAST FAIRVIEW DRIVE		144
	IL RT. 23		33
	STORM SEWER EASEMENT		14
	PATRIOT DRIVE		5
	TOTAL		196
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	
	EAST FAIRVIEW DRIVE		144
	IL RT. 23		33
	STORM SEWER EASEMENT		14
	PATRIOT DRIVE		5
	TOTAL		196
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	
	EAST FAIRVIEW DRIVE		144
	IL RT. 23		33
	STORM SEWER EASEMENT		14
	PATRIOT DRIVE		5
	TOTAL		196
25100115	MULCH, METHOD 2	ACRE	
	EAST FAIRVIEW DRIVE		1.6
	IL RT. 23		0.4
	STORM SEWER EASEMENT		0.2
	PATRIOT DRIVE		0.1
	TOTAL		2.3

28000400	PERIMETER EROSION BARRIER	FOOT	
	LT. STA. 4+56 - LT. STA. 6+00		172
	LT. STA. 11+25 - LT. STA. 16+97		578
	LT. STA. 50+00 - LT. STA. 55+00		502
	TOTAL		1252
28000500	INLET AND PIPE PROTECTION	EACH	
	LT. STA. 5+45		1
	LT. STA. 20+50		1
	LT. STA. 12+48		1
	RT. STA. 12+45		1
	LT. STA. 14+00		1
	LT. STA. 14+43		1
	LT. STA. 17+27		1
	LT. STA. 19+92		1
	LT. STA. 20+76		1
	LT. STA. 25+00		1
	LT. STA. 28+50		1
	RT. STA. 30+50		1
	LT. STA. 30+66		1
	TOTAL		13
31101800	SUBBASE GRANULAR MATERIAL, TYPE B 10"	SQ YD	
	LT. STA. 5+34 - LT. STA. 32+64.8 (8' WIDTH)		2749
	TOTAL		2749
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	
	LT. STA. 5+34		4
	RT. STA. 5+34		4
	LT. STA. 12+57		7
	RT. STA. 12+57		10
	LT. STA. 19+79		8
	STA. 50+00 - STA. 54+96.43		297
	RT. STA. 50+00		9
	STA. 60+00 - STA. 62+12		116
	TOTAL		460
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	
	LT. STA. 17+08		21
	LT. STA. 20+50		7
	IL RT. 23		57
	LT. STA. 30+90		85
	TOTAL		85
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	
	LT. STA. 5+34 - LT. STA. 32+64.8 (8' WIDTH)		4.5
	LT. STA. 20+51		0.4
	LT. STA. 29+68		0.1
	TOTAL		5
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	
	LT. STA. 5+34 - LT. STA. 32+64.8 (8' WIDTH)		423
	LT. STA. 20+51		14
	LT. STA. 29+68		3
	TOTAL		440

42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	
	LT. STA. 5+34		84
	RT. STA. 5+34		36
	LT. STA. 12+57		59
	RT. STA. 12+57		89
	LT. STA. 19+79		74
	STA. 50+00 - STA. 54+96.43		2669
	RT. STA. 50+00		81
	STA. 60+00 - STA. 62+12		1046
	TOTAL		4138
42400800	DETECTABLE WARNINGS	SQ FT	
	LT. STA. 5+36		10
	RT. STA. 5+36		10
	LT. STA. 12+59		10
	RT. STA. 12+59		10
	LT. STA. 19+81		10
	RT. STA. 19+81		10
	RT. STA. 50+00		10
	RT. STA. 50+00		10
	TOTAL		80
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	
	LT. STA. 20+51		68
	LT. STA. 29+68		7
	TOTAL		75
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	
	RT. STA. 50+00		15
	RT. STA. 50+00		15
	TOTAL		30
50105220	PIPE CULVERT REMOVAL	FOOT	
	LT. STA. 20+51		28
	TOTAL		28
54205047	PIPE CULVERTS, SPECIAL 12"	FOOT	
	RT. STA. 12+59		10
	TOTAL		10
54205050	PIPE CULVERTS, SPECIAL 15"	FOOT	
	RT. STA. 5+37		8
	TOTAL		8
60100925	PIPE DRAINS 8"	FOOT	
	LT. STA. 13+14 - LT. STA. 14+00		86
	LT. STA. 28+50 - LT. STA. 30+66		218
	TOTAL		304
60100935	PIPE DRAINS 10"	FOOT	
	LT. STA. 30+50 - LT. STA. 30+66		28
	TOTAL		28
60100955	PIPE DRAINS 15"	FOOT	
	LT. STA. 30+66 - RT. STA. 53+03		372
	TOTAL		372
60108700	PIPE UNDERDRAINS, PERFORATED CORRUGATED STEEL PIPE 6"	FOOT	
	LT. STA. 25+00 - LT. STA. 28+50		350
	TOTAL		350

60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	
	LT. STA. 14+00		1
	RT. STA. 25+00		1
	LT. STA. 5+41		1
	LT. STA. 28+50		1
	LT. STA. 30+50		1
	TOTAL		4
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	
	LT. STA. 30+66		1
	TOTAL		1
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	
	STA. 13+14		1
	TOTAL		1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	
	LT. STA. 5+32		1
	LT. STA. 6+52		1
	LT. STA. 19+73		1
	LT. STA. 19+73		1
	LT. STA. 23+13		1
	LT. STA. 26+93		1
	TOTAL		5
60266600	VALVE BOXES TO BE ADJUSTED	EACH	
	LT. STA. 9+56		1
	LT. STA. 31+02		1
	LT. STA. 14+22		1
	TOTAL		3
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	
	RT. STA. 50+00		15
	RT. STA. 50+00		15
	TOTAL		30
54205470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	
	LT. STA. 5+37		18
	LT. STA. 12+59		20
	LT. STA. 14+50		22
	LT. STA. 17+08		36
	LT. STA. 19+81		20
	LT. STA. 20+51		4
	TOTAL		152
72000100	SIGN PANEL - TYPE 1	SQ FT	
	RT. STA. 4+32 (W11-2)		6.25
	RT. STA. 4+32 (W16-9P)		2
	RT. STA. 5+32 (W11-2)		6.25
	RT. STA. 5+32 (W16-7P)		2
	LT. STA. 5+41 (R1-1)		2.25
	LT. STA. 5+41 (OM3-L)		0.75
	LT. STA. 5+44 (W11-2)		6.25
	LT. STA. 5+44 (W16-7P)		2

# GENERAL NOTES

- EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- BEFORE ORDERING PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL BE APPRISED OF THE PRESENCE OF OVERHEAD HIGH VOLTAGE POWER LINES WHICH MAY IMPACT CONTRACTORS OPERATIONS.
- UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A JOINT.
- THE NEW MANHOLE LIDS ON THIS PROJECT SHALL HAVE THE WORD "STORM", "SANITARY", OR "WATER" ON THE LID. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE WORD TO BE USED ON OTHER LIDS NOT NOTED ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.
- ALL PROPOSED INLETS AND CATCH BASINS ON THIS PROJECT SHALL BE CAST IN PLACE OR PRECAST, UNLESS APPROVED OTHERWISE BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLE OF THE TYPE AND SIZE SPECIFIED.
- THE CONTRACTOR SHALL DETERMINE FLOWLINES OF EXISTING UTILITY LINES. THIS INFORMATION IS NECESSARY BEFORE ORDERING INLETS AND CATCH BASINS.
- THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT OF WAY AREA DISTURBED BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION. COHESIVE SOIL SHALL BE DEFINED AS ANY SOIL WHICH CONTAINS GREATER THAN 10% PARTICLES BY WEIGHT PASSING THE #200 SIEVE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.
- THE CONTRACTOR SHALL BE REQUIRED TO CAREFULLY REMOVE AND REINSTALL THE MAILBOXES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
- ALL SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM EARTH EXCAVATION.
- THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

ITEM	QUANTITY	UNIT
GRANULAR MATERIALS	2.05	TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT) ON AGGREGATE BASES	0.375	GAL/SQ YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL/SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.08	GAL/SQ YD
BITUMINOUS MATERIALS (PRIME COAT)	7.85	LBS/GAL
AGGREGATE PRIME COAT	0.002	TONS/SQ YD
HMA RESURFACING	115	LBS/SQ YD/IN

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING IS A LIST OF THE JULIE MEMBERS WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS. PLANS HAVE BEEN SUBMITTED TO UTILITY COMPANIES FOR CONFLICT DETERMINATION.

**TELEPHONE**  
Mr. Kirk Thoele  
LightCore, A Century Tel Company  
14567 North Outer 40 Road  
Suite 500  
Chesterfield, Missouri 63017  
(313) 880-1610

**TELEPHONE**  
Mr. Jim Burton  
Sprint/Nextel  
(800) 521-0579

**SANITATION**  
DeKalb Sanitary District  
Steve Olsen  
303 Hollister Avenue  
DeKalb, IL. 60115  
815 758-3513

**TELEPHONE**  
Mr. Michael S. Brodzik  
Verizon  
112 West Elm Street, ILLBPOI  
Sycamore, Illinois 60178  
(815) 895-1532

**DEKALB WATER RESOURCES**  
Jake Keck  
1216 Market Street  
DeKalb, IL. 60115  
815 748-2050

**ELECTRIC**  
Mr. Michael H. Lenox  
Commonwealth Edison Company  
123 Energy Avenue  
Rockford, IL 61109  
(815) 490-2869

**DEKALB PARK DISTRICT**  
BRAD GARRISON/ASSISTANT DIRECTOR  
1403 SYCAMORE ROAD  
DeKalb, IL. 60115  
815 758-6663

**GAS**  
Ms. Constance Lane  
NICOR Gas  
1844 Ferry Road  
Naperville, IL 60563-9600  
(630) 388-3830

**FIBEROPTIC**  
Mr. Dan Halverson  
DeKalb Fiber Optic, LLC/  
TBC Net, Inc.  
1625 Dekalb Avenue  
Sycamore, Illinois 60178  
(815) 899-4600 x3001

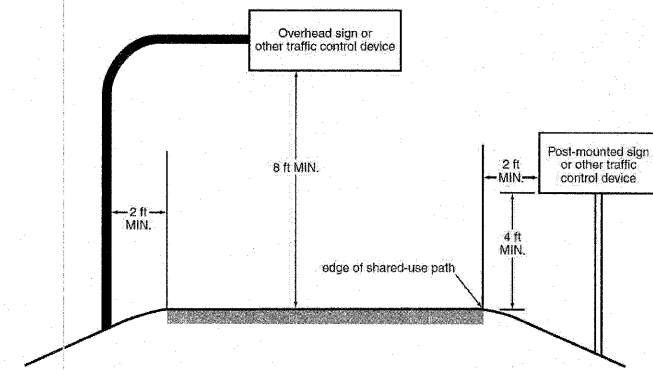
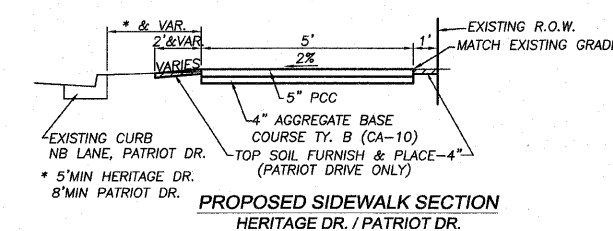
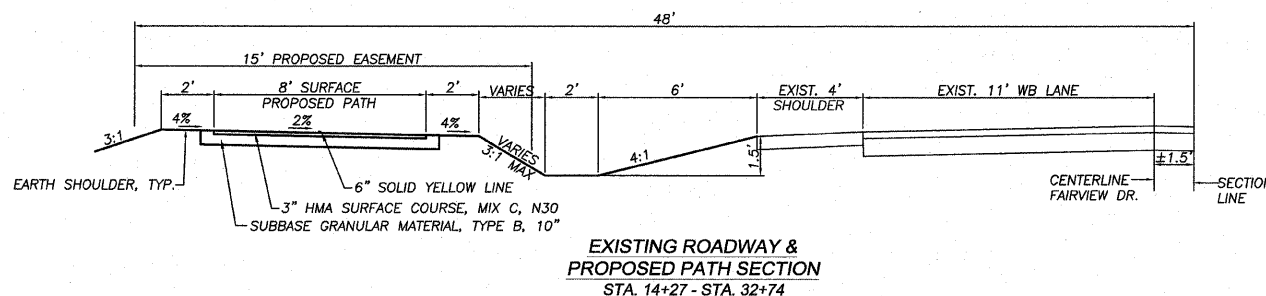
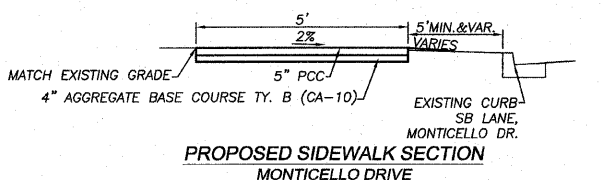
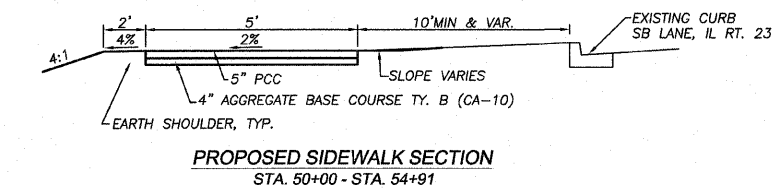
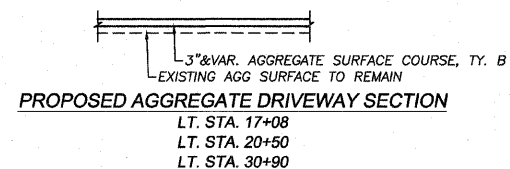
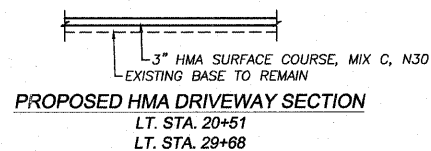
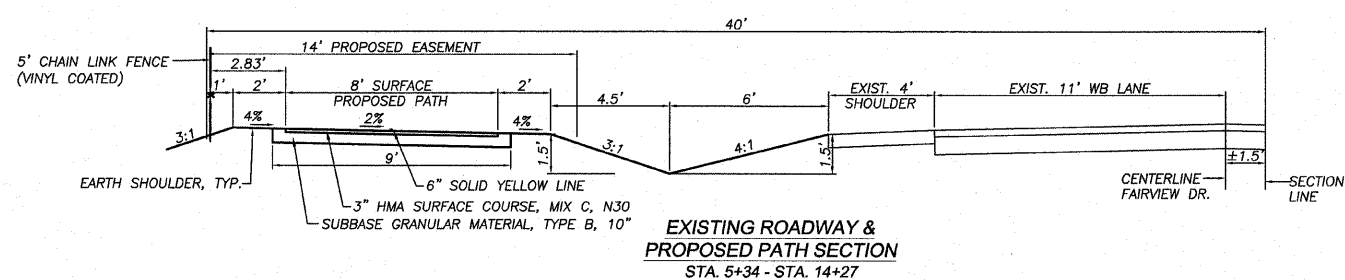
**CATV**  
Mr. Cornelio De La Cerda  
Comcast Cable  
1575 Rolling Road  
Rolling Meadows, Illinois 60008  
(847) 346-3221

**CATV**  
Mr. Mike Dickerson  
Mediacom  
(630) 365-0045 x6008

18. THE INFORMATION ABOVE IS PROVIDED FOR THE CONVENIENCE OF THE BIDDER AND REFLECTS THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN SUBMITTAL.

19. THE CONTRACTOR SHALL GIVE DUE CONSIDERATION TO ALL SAFETY RULES DICTATED BY CODE AND GOOD PRACTICE. ADEQUATE TEMPORARY SUPPORT SHALL BE PROVIDED WHERE NECESSARY TO ENSURE THE STABILITY OF ALL COMPONENTS OF ADJACENT STRUCTURES, ROADWAYS, UTILITIES AND ALL PROPOSED CONSTRUCTION. DESIGN AND CONSTRUCTION OF SUPPORT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND RESPECTIVE TRADE CONTRACTOR.

20. ALL FRAME ADJUSTMENTS SHALL BE ACCOMPLISHED USING PROCEDURES OUTLINED IN THE STANDARD SPECIFICATIONS AND AS DIRECTED IN THE SPECIAL PROVISIONS. ANY SHIMS NEEDED TO ADJUST ANY FRAME SHALL BE OF SOLID FLAT STEEL DIMENSIONS OF 2" IN WIDTH & LENGTH WITH UNIFORM THICKNESS. THE FRAME WILL BE SET TO GRADE USING STEEL SHIMS AND WITHOUT DISTURBING THE ADJUSTMENT; THE FRAME WILL THEN BE LIFTED OFF AND SET ASIDE. A FULL BED OF MORTAR WILL BE PLACED ON THE STRUCTURE BETWEEN THE ADJUSTING SHIMS, WHICH SHALL FORM A SOLID MASONRY BOND BETWEEN THE ADJUSTING RING OR STRUCTURE. THE FRAME SHALL BE SET BACK INTO PLACE IN A METHOD NOT TO DISTURB THE SHIMS OF DAMAGE THE BED OF MORTAR. ALL ADJUSTED FRAMES IN THE ROADWAY SHALL BE BACKFILLED USING COMPACTED HMA BINDER OR CLASS SI CONCRETE TO A MINIMUM DEPTH OF 6" BELOW THE BOTTOM OF THE FRAME.



	HMA SURFACE
PG GRADE	PG58-22
DESIGN AIR VOIDS	4.0% @ N30
MIXTURE COMPOSITION	IL 9.5L
FRICTION AGGREGATE	MIXTURE C
DENSITY METHOD	CORES

PROPOSED TYPICAL SECTION  
TYPICAL SIGN PLACEMENT ON BIKE PATH

## BENCHMARKS

BM #7 - NORTHWEST BOLT ON FIRE HYDRANT  
ACROSS FROM HOUSE #324  
ELEV: 890.99

BM #6 - NORTHWEST BOLT ON FIRE HYDRANT  
ACROSS FROM HOUSE #312  
ELEV: 889.89

## LEGEND

TOPOGRAPHIC	SURVEY
BOUNDARY OF SURVEY	STEEL PIN FOUND
SECTION LINE	STEEL PIN SET
RIGHT OF WAY LINE	SET SURVEY NAIL
CENTERLINE	R.O.W. MARKER
BUILDING SETBACK (BSL)	CHISELED "X"
EASEMENT (UE)	STONE FOUND
G GAS MAIN	
W WATERMAIN	
OE OVERHEAD ELECTRIC LINE	
UGE UNDERGROUND ELECTRIC	
OT OVERHEAD TELEPHONE LINE	
UGT UNDERGROUND TELEPHONE	
DT DRAIN TILE LINE	
FENCE LINE	
SS STORM SEWER	
SS SANITARY SEWER	
CG CURB AND GUTTER	
DC DEPRESSED CURB	
847 EXISTING CONTOUR LINE	
DECIDUOUS SHRUB	
CONIFEROUS SHRUB	
DECIDUOUS TREE	
CONIFEROUS TREE	
STUMP	
TELEPHONE POLE	
TELEPHONE PEDESTAL	
CABLE TV RISER	
POWER POLE	
ELC. PAD W/ TRANS.	
GAS METER/REGULATOR	
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY MANHOLE
	PROPOSED SANITARY SERVICE
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE
	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED STORM SEWER
	PROPOSED STORM INLET
	PROPOSED STORM MANHOLE
	PROPOSED DRAIN TILE
	PROPOSED END SECTION
	PROPOSED RIP RAP
	PROPOSED DIRECTION OF FLOW
	PROPOSED 100 YEAR FLOOD ROUTE
	TOP OF FOUNDATION
	PROPOSED CONTOUR LINE
	PROPOSED CURB & GUTTER

REVISED 12/23/2011

## GENERAL NOTES & TYPICAL SECTIONS

FAIRVIEW PATH  
SECTION 10-00177-00-BT  
CITY OF DEKALB



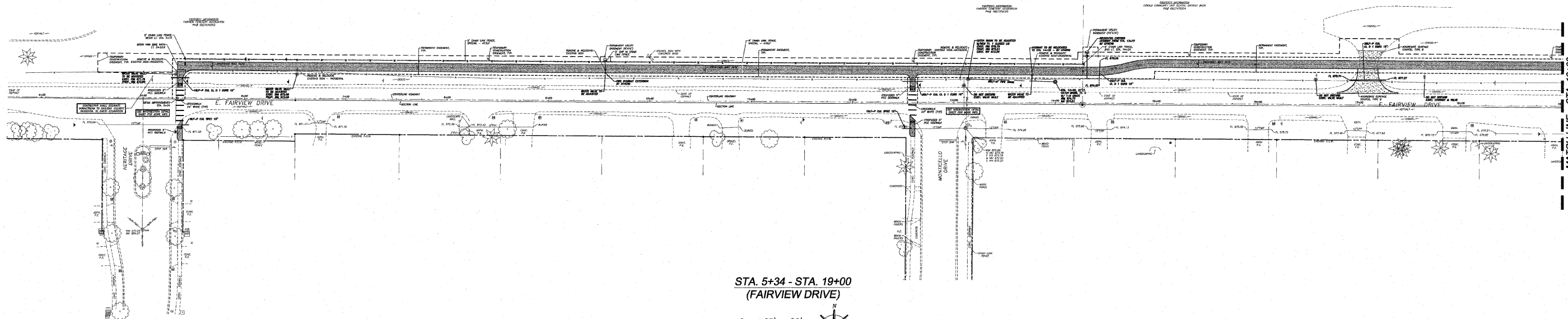
wandler engineering services, inc.  
GROUNDBREAKING SOLUTIONS  
engineers - surveyors - scientists

Date:  
10/28/2011

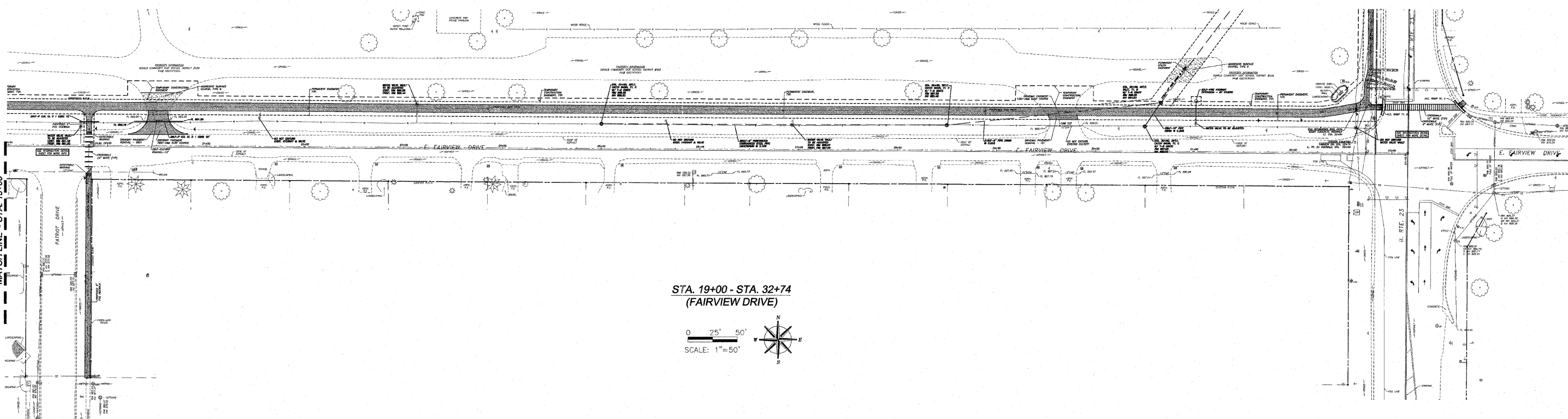
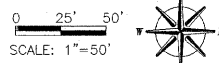
WES Job:  
2100302

www.wandlergs.com

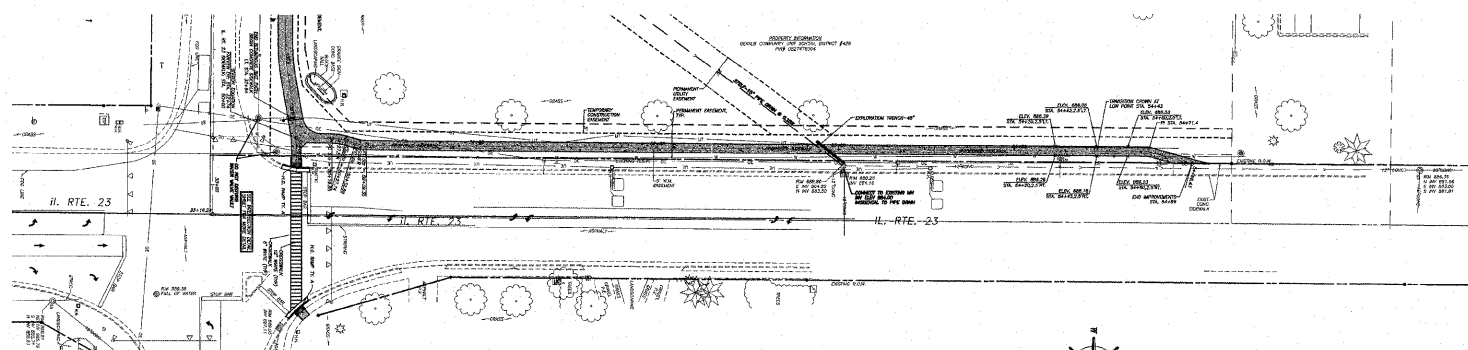
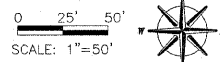
ph: 815.288.2281



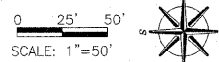
STA. 5+34 - STA. 19+00  
(FAIRVIEW DRIVE)



STA. 19+00 - STA. 32+74  
(FAIRVIEW DRIVE)



STA. 50+00 - STA. 54+96  
(ILLINOIS ROUTE 23)



REVISED 12/23/2011

OVERALL PLAN

FAIRVIEW PATH  
SECTION 10-00177-00-BT  
CITY OF DEKALB



wendler engineering services, inc.  
GROUND BREAKING SOLUTIONS  
engineers - surveyors - scientists

Date:  
10/28/2011

WES Job:  
2100302

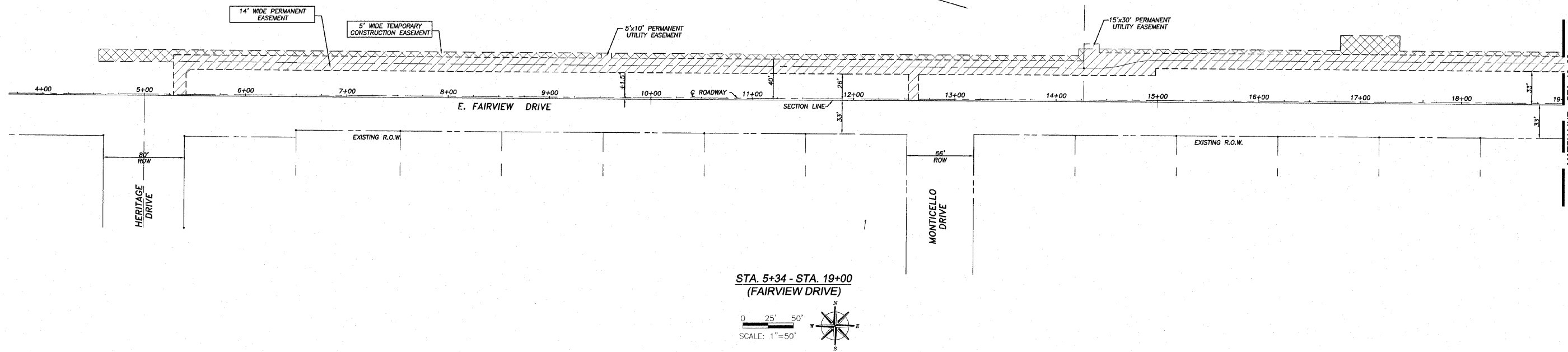
www.wendlergs.com

ph: 815.288.2261

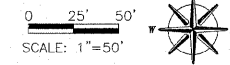
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.A.# 5345	*	DEKALB	26	5
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	

PROPERTY INFORMATION  
FAIRVIEW CEMETERY ASSOCIATION  
PIN# 0827376003

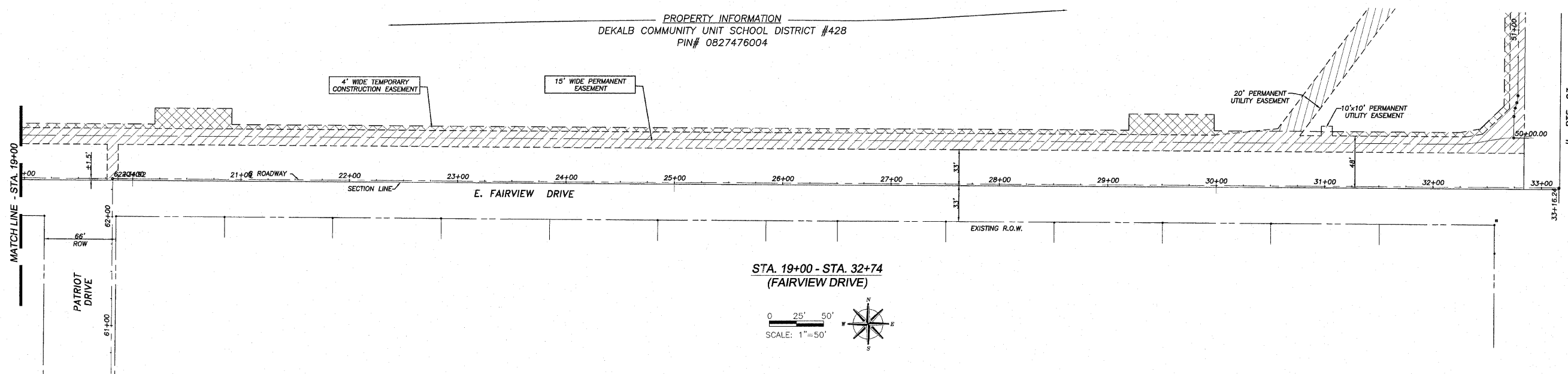
PROPERTY INFORMATION  
DEKALB COMMUNITY UNIT SCHOOL DISTRICT #428  
PIN# 0827476004



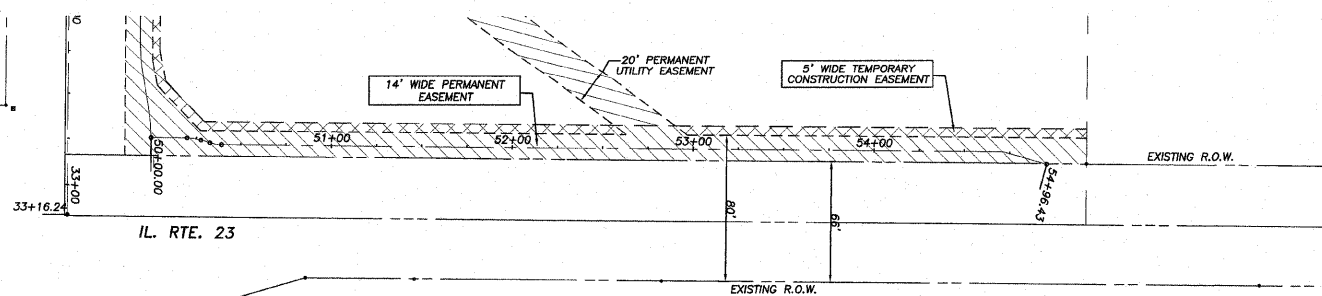
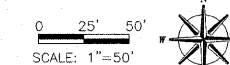
STA. 5+34 - STA. 19+00  
(FAIRVIEW DRIVE)



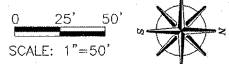
PROPERTY INFORMATION  
DEKALB COMMUNITY UNIT SCHOOL DISTRICT #428  
PIN# 0827476004



STA. 19+00 - STA. 32+74  
(FAIRVIEW DRIVE)



STA. 50+00 - STA. 54+96  
(ILLINOIS ROUTE 23)



- LEGEND**
- PROPOSED PERMANENT EASEMENT
  - TEMPORARY CONSTRUCTION EASEMENT

### EASEMENT PLAN

FAIRVIEW PATH  
SECTION 10-00177-00-BT  
CITY OF DEKALB

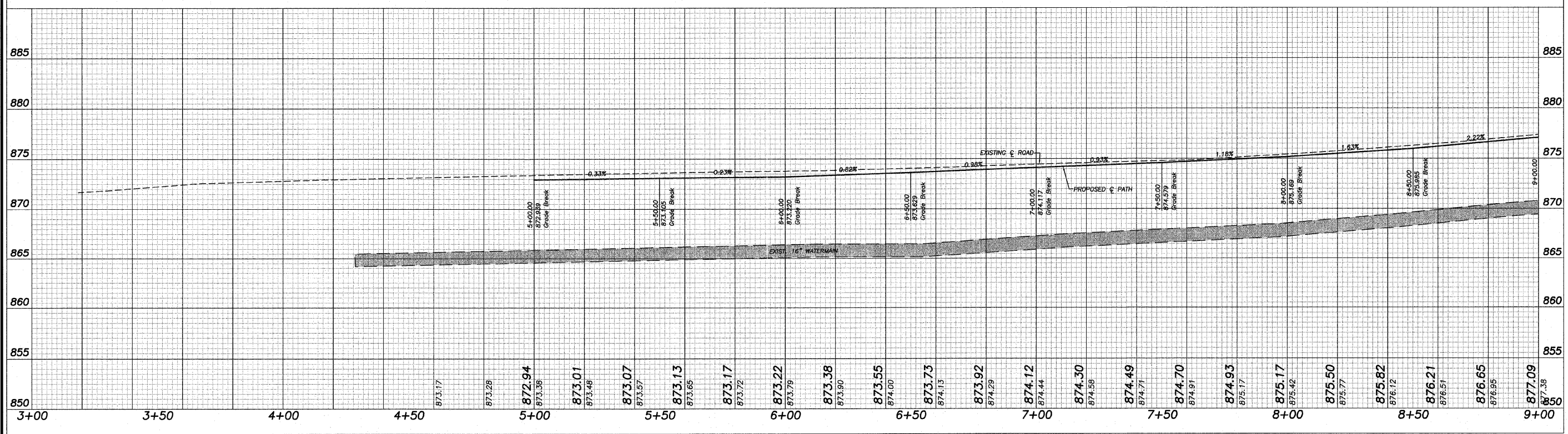
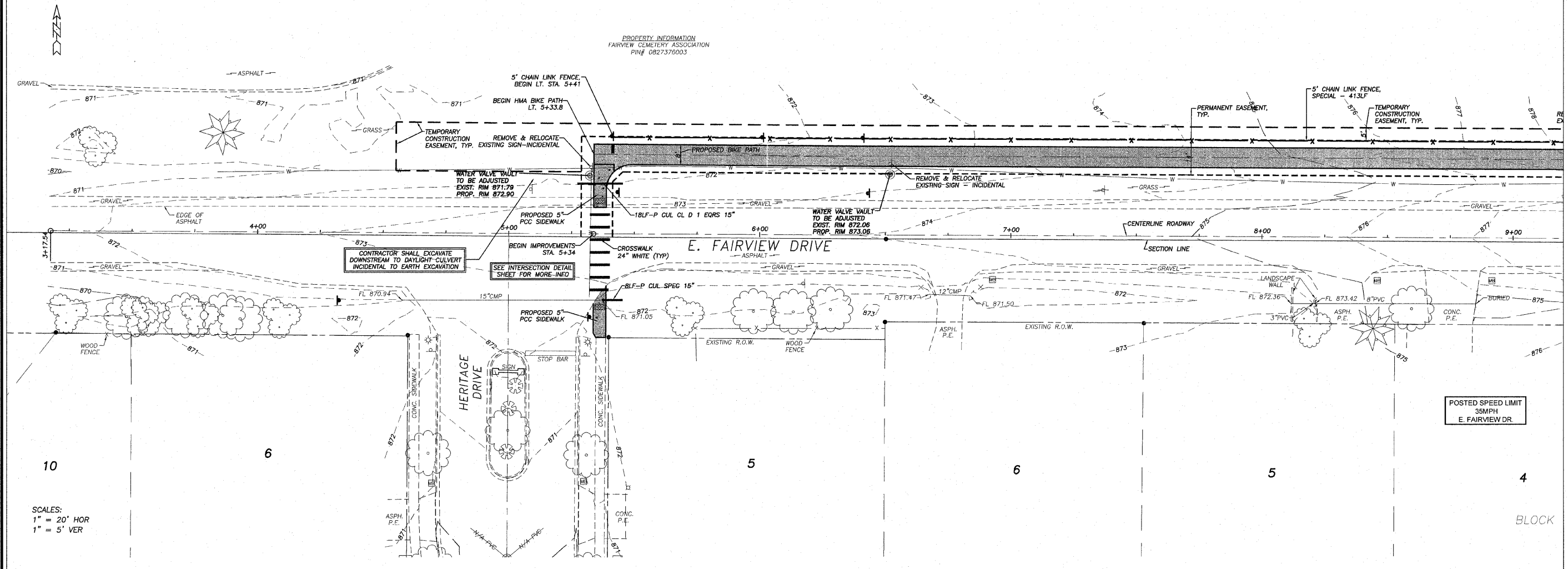
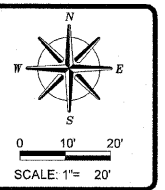


wendler engineering services, inc.  
GROUND BREAKING SOLUTIONS  
engineers · surveyors · scientists

Date:  
10/28/2011

WES Job:  
2100302

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
P.A.U. 5345	*	DEKALB	26	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	



REVISIONS	DATE	CITY/STATE REVIEW & COMMENTS
	12/23/11	

DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	

**wendler**  
 wendler engineering services, inc.  
 1400 001.ang  
 engineers - surveyors - scientists  
 www.wendlergs.com ph: 815.288.2281  
 Illinois Professional Design Firm No. 184-00868

PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

SHEET TITLE  
**PLAN & PROFILE**

JOB NUMBER  
 2100302

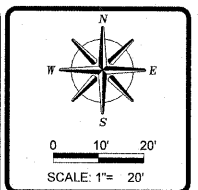
DATE  
 10/28/2011

SHEET NO.  
**6 of 26**

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
5345	*	DEKALB	26	7
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT-				

\* Section 10-00177-00-BT Contract #87480

PROPERTY INFORMATION  
FAIRVIEW CEMETERY ASSOCIATION  
PIN# 0827376003



REVISIONS	DATE	CITY/ADT REVIEW & COMMENTS
	12/23/11	

DESIGNED BY:	DAW
DRAWN BY:	BDS
DRAWING NAME:	rep02001.dwg
SURVEYED BY:	WES
BOOK NO.:	

**wendler**  
wendler engineering services, inc.  
COUNCIL BLUFFS, IOWA  
engineers - surveyors - scientists  
www.wendlers.com ph: 815.288.2281  
Illinois Professional Design Firm No. 184-000848

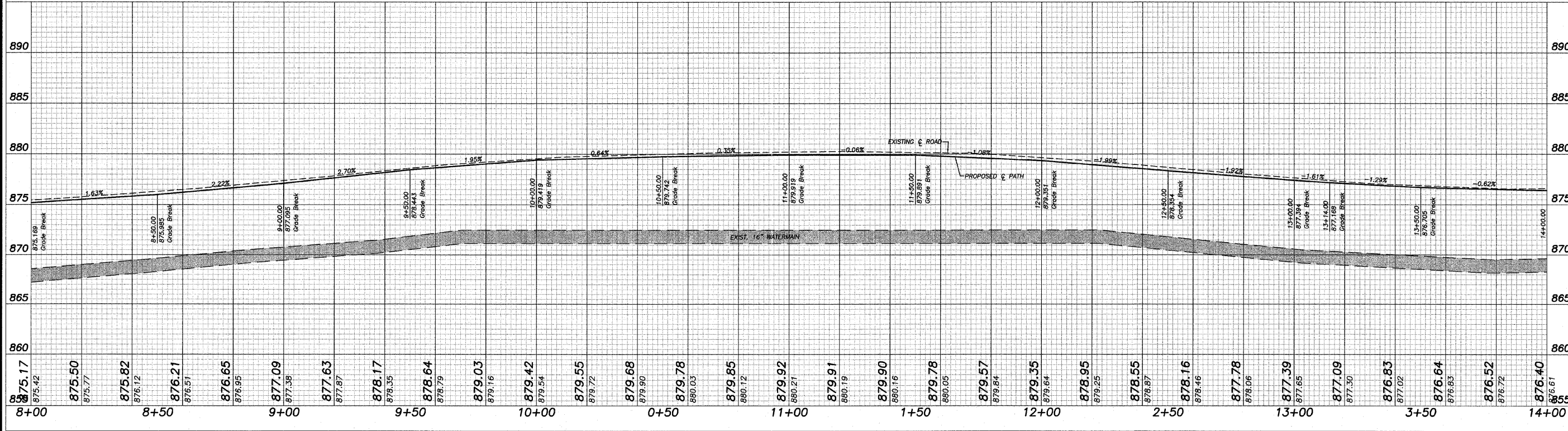
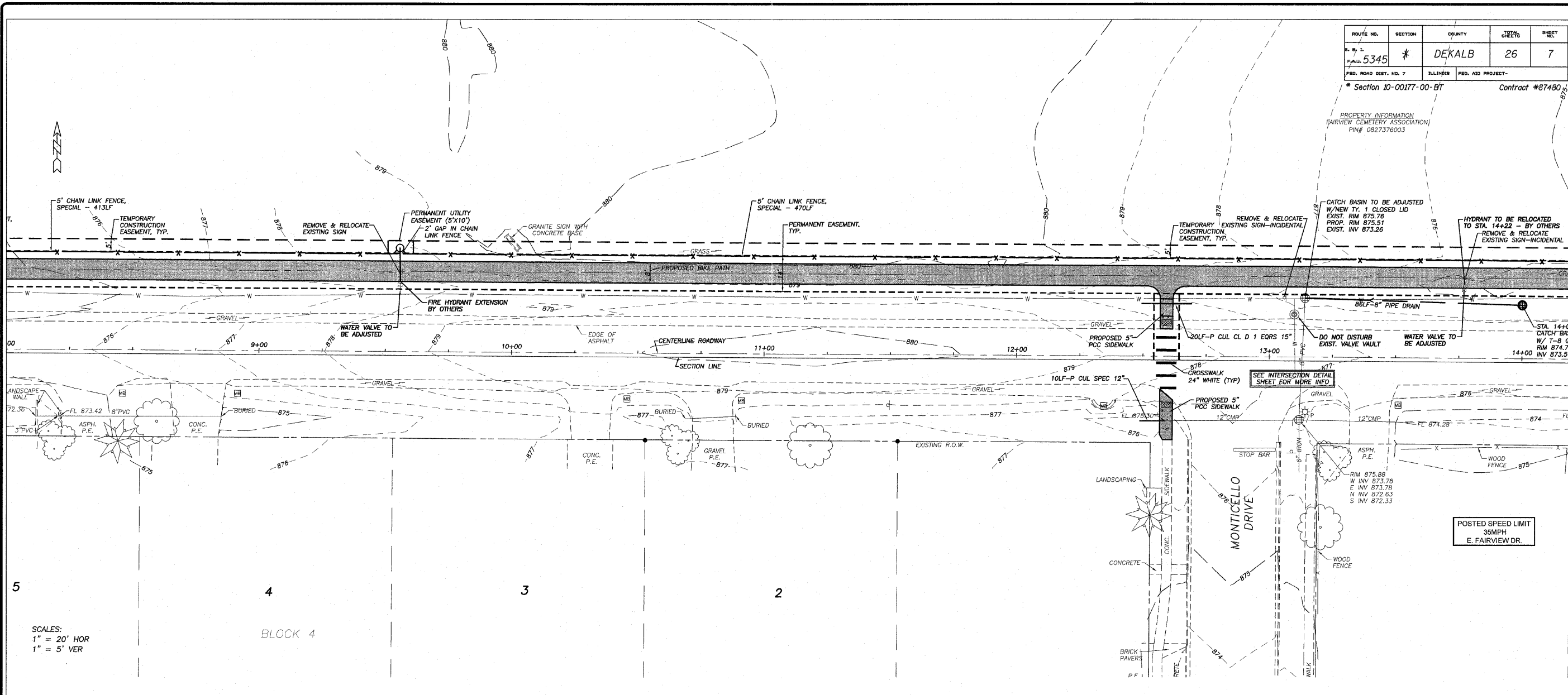
PLANS FOR PROPOSED  
OF  
E. FAIRVIEW BIKE PATH  
FOR  
CITY OF DEKALB

SHEET TITLE  
**PLAN & PROFILE**

JOB NUMBER  
2100302

DATE  
10/28/2011

SHEET NO.  
7 of 26

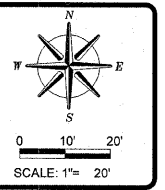


SCALES:  
1" = 20' HOR  
1" = 5' VER

BLOCK 4

POSTED SPEED LIMIT  
35MPH  
E. FAIRVIEW DR.

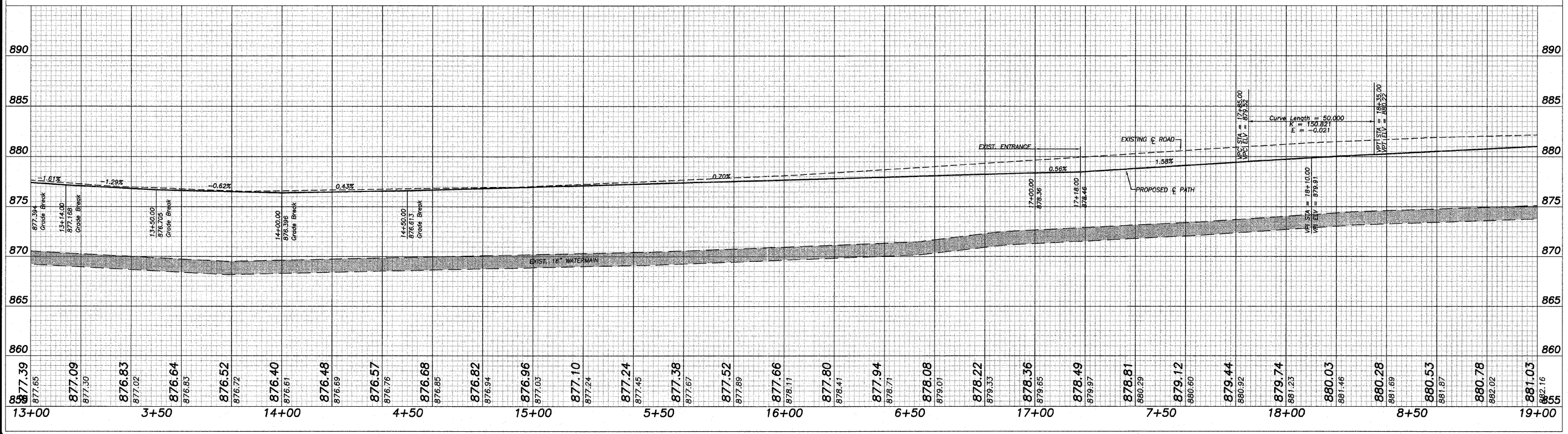
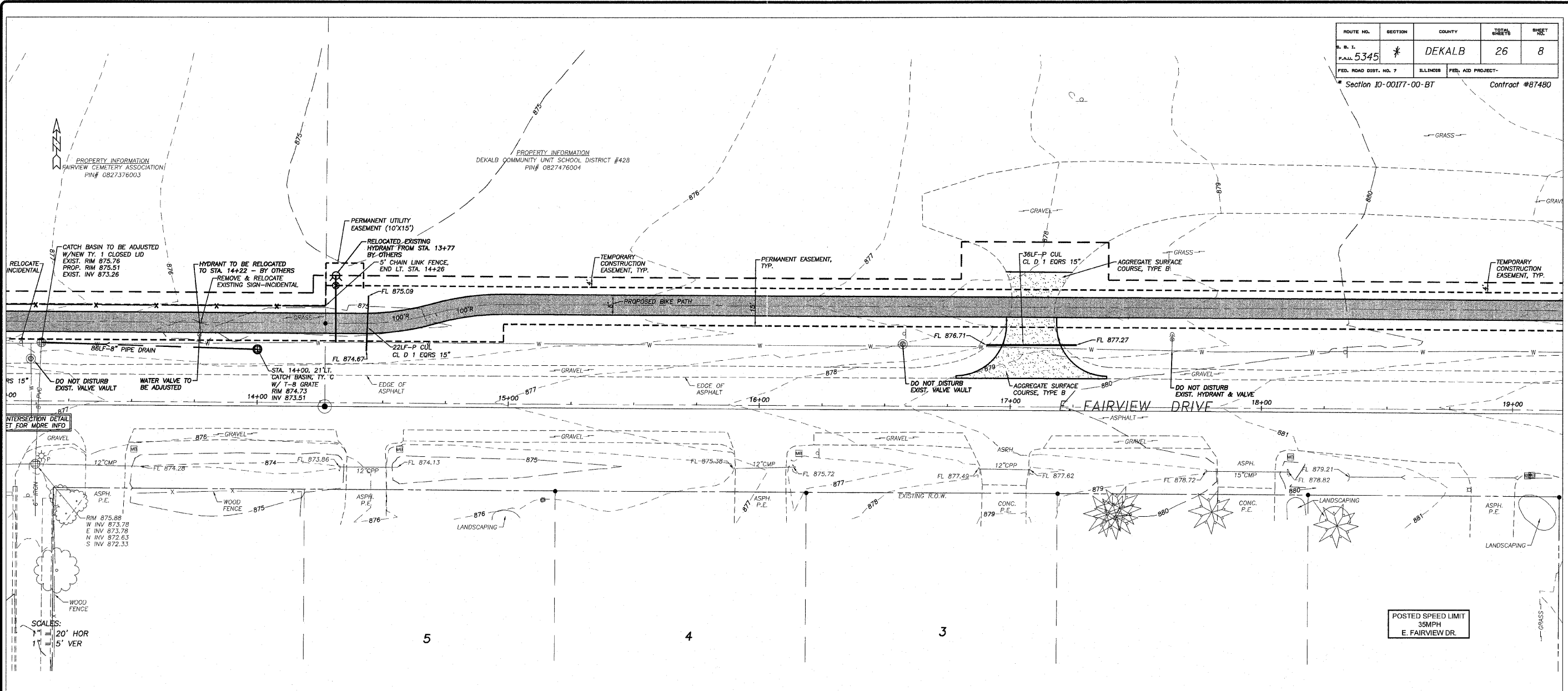
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5345	*	DEKALB	26	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
Section 10-00177-00-BT			Contract #87480	



REVISIONS	DATE	BY	REVISION

DESIGNED BY:	
DRAWN BY:	
BIDS:	
DRAWING NAME:	
PROJECT NO. / IAWG:	
SURVEYED BY:	
WES:	
BOOK/NO.:	

**wendler**  
 wendler engineering services, inc.  
 10000 WOODBURN AVENUE  
 GROUNDWATER SOLUTIONS  
 ENGINEERS - SURVEYORS - SCIENTISTS  
 www.wendlergs.com    ph: 815.288.2281  
 Illinois Professional Design Firm No. 184-000848



PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

SHEET TITLE  
**PLAN & PROFILE**

JOB NUMBER  
 2100302

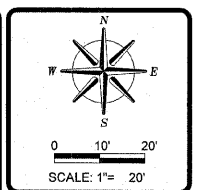
DATE  
 10/28/2011

SHEET NO.  
**8 of 26**



ROUTE NO.	SECTION	COUNTY	SHEET NO.
P.A. 5345	*	DEKALB	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	

\* Section 10-00177-00-BT Contract #87480



REVISION	DATE	REVISION
CITY/STATE REVIEW & COMMENTS	12/23/11	

DESIGNED BY:	DAY
DRAWN BY:	BDS
DRAWING NAME:	rep04001.dwg
SURVEYED BY:	WES
PROJECT NO.:	

**wendler**  
 wendler engineering services, inc.  
 engineers - surveyors - scientists  
 www.wendlers.com ph: 815.288.2281  
 Illinois Professional Design Firm No. 184-00848

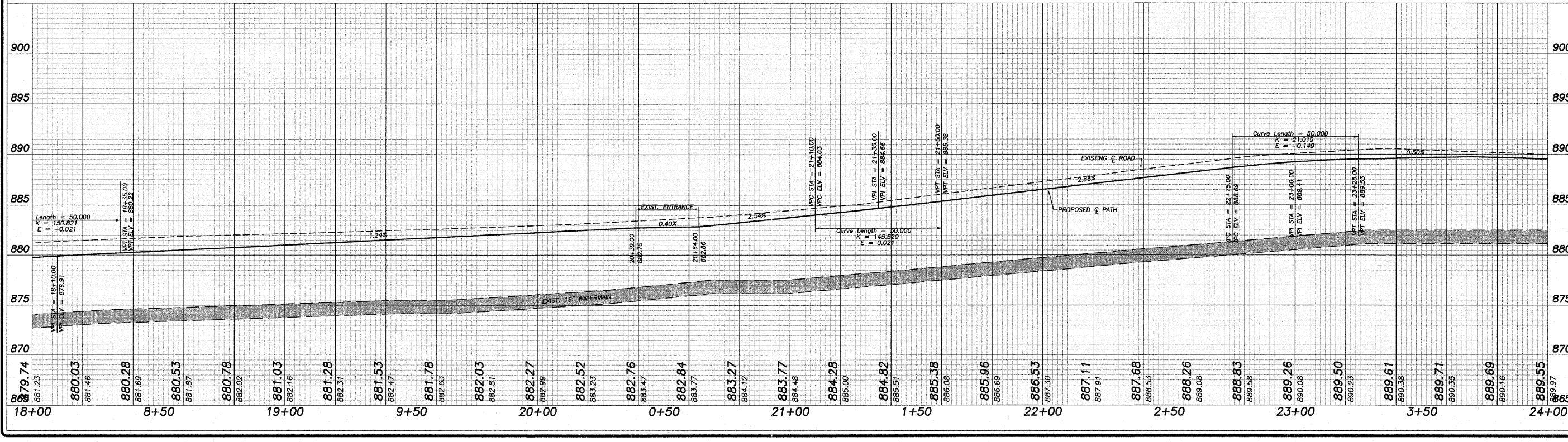
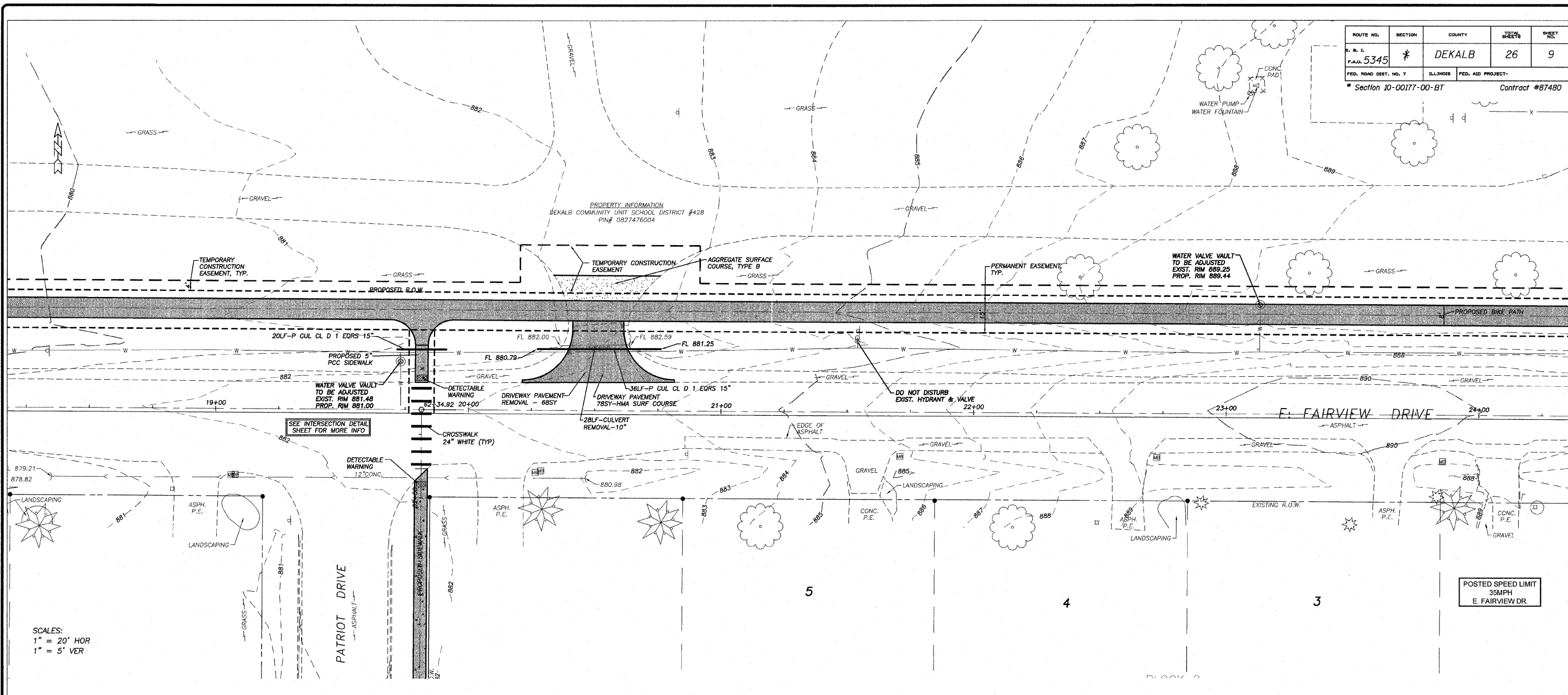
PLANS FOR PROPOSED  
 OF  
 E. FAIRVIEW BIKE PATH  
 FOR  
 CITY OF DEKALB

SHEET TITLE  
 PLAN &  
 PROFILE

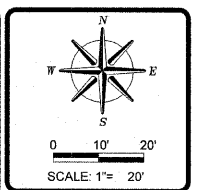
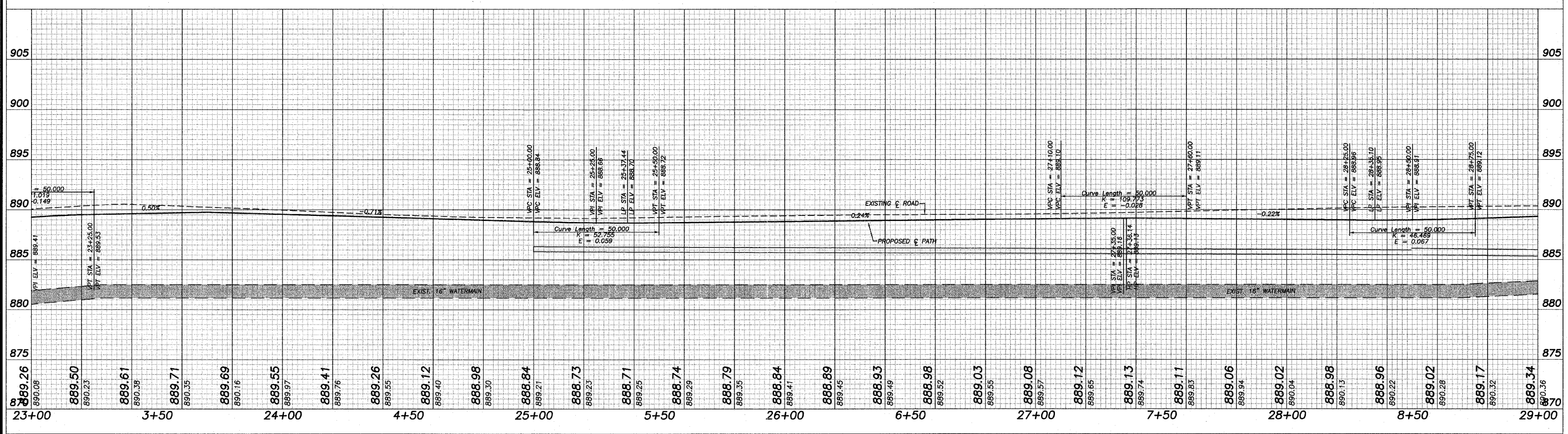
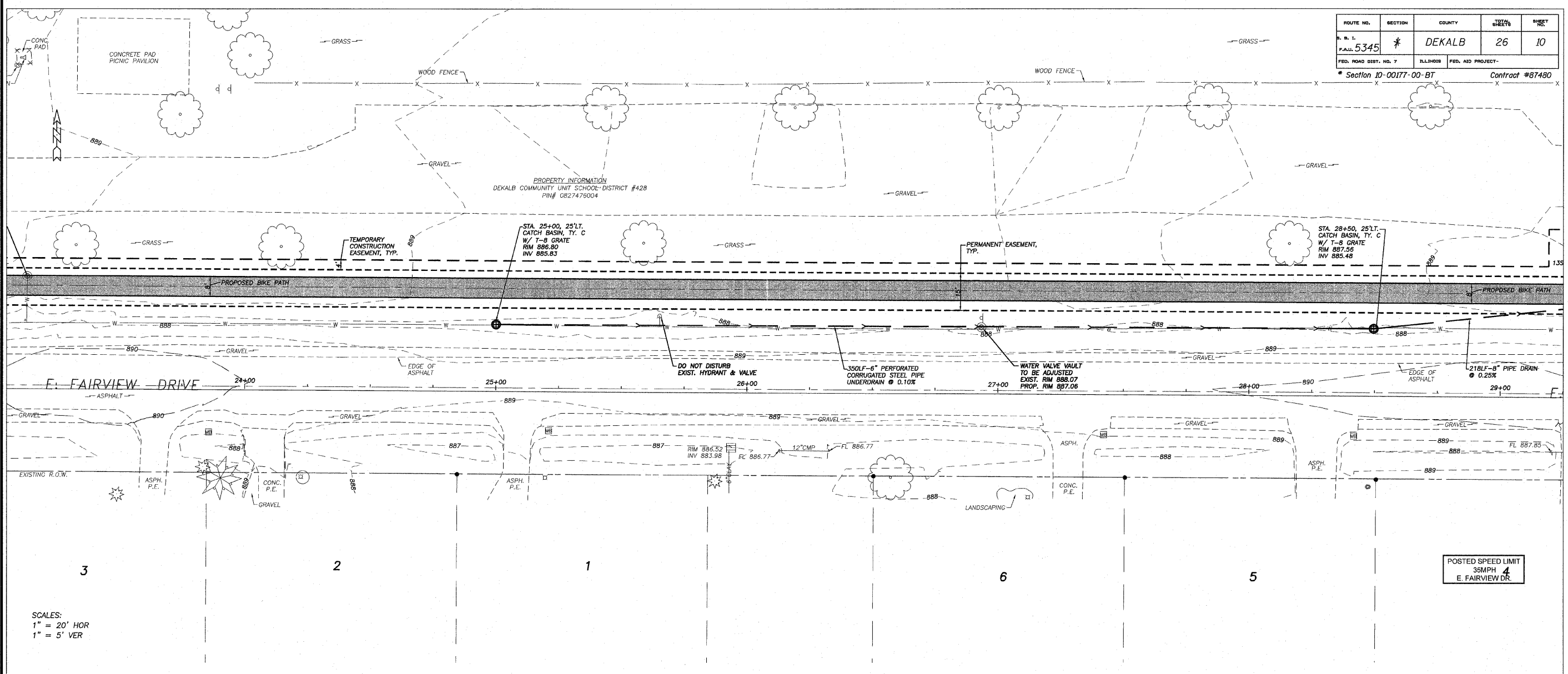
JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
 9 of 26



10/28/2011 1:38:59 PM BDS



REVISIONS

REVISION	DATE	REVISION
1	12/23/11	CITY/NOT REVIEW & COMMENTS

DESIGNED BY: DAW  
 DRAWING NO: B05  
 DRAWING NAME: rep08001.dwg  
 SURVEYED BY: WES  
 CHECKED: [ ]

**wendler**

wendler engineering services, inc.  
 civil, mechanical, electrical, plumbing  
 engineers, surveyors, scientists

www.wendlers.com ph: 815.288.2281  
 Illinois Professional Design Firm No. 184-008648

PLANS FOR PROPOSED  
 OF  
 E. FAIRVIEW BIKE PATH  
 FOR  
 CITY OF DEKALB

SHEET TITLE  
 PLAN & PROFILE

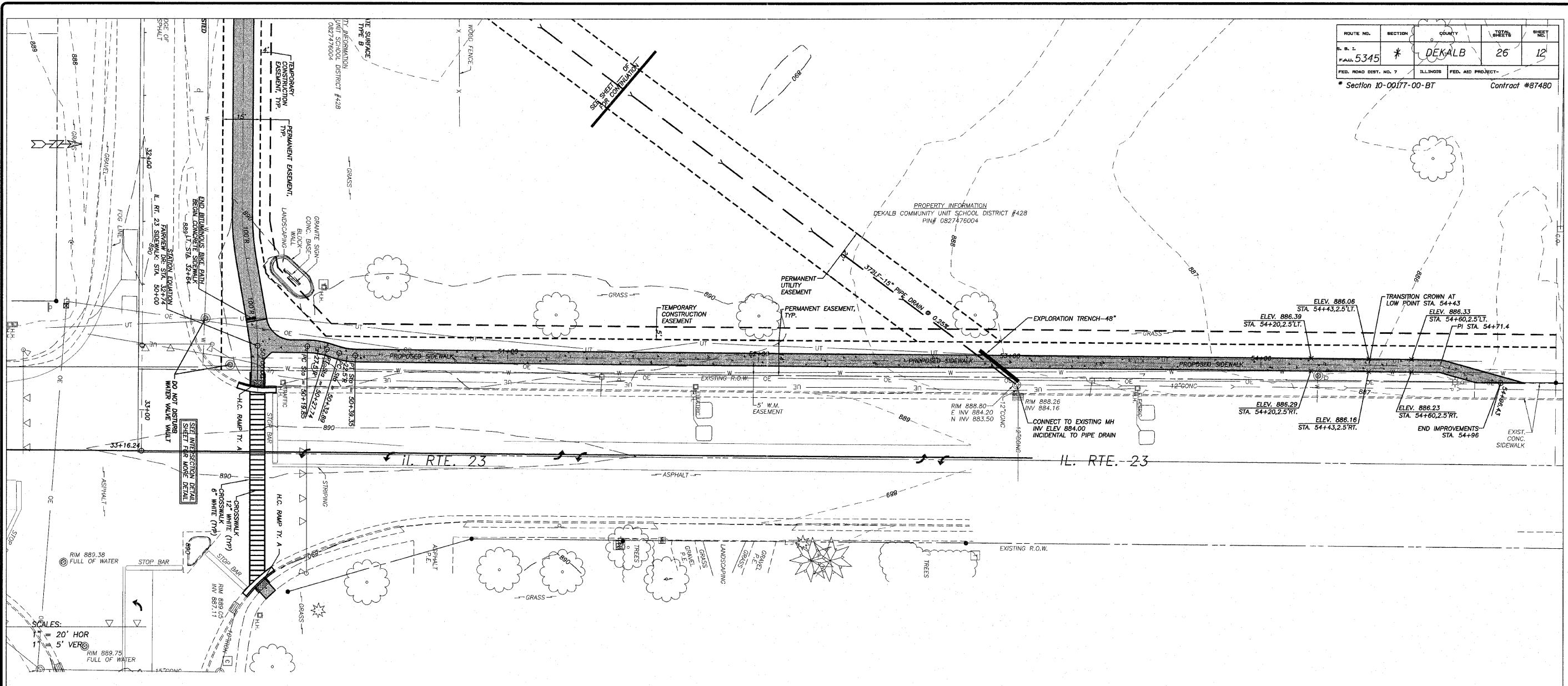
JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.

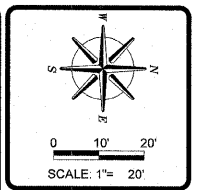
10 of 26





ROUTE NO.	SECTION	COUNTY	SHEET NO.
P.A. 5345	*	DEKALB	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	

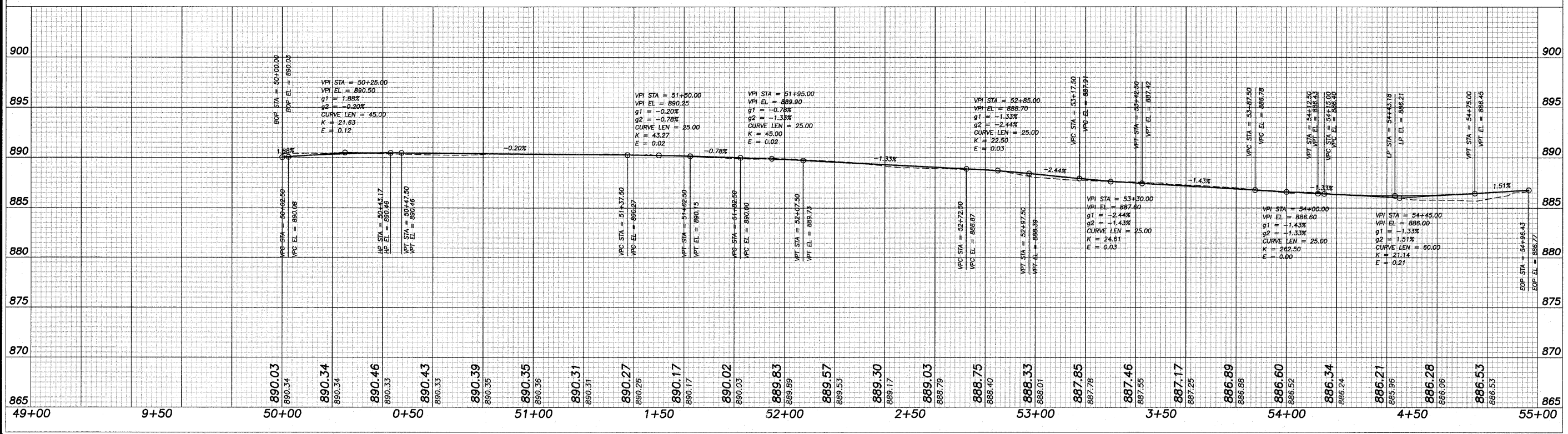
\* Section 10-0017-00-BT Contract #87480



REVISIONS	DATE	REVISION
	12/23/11 <td> </td>	

DESIGNED BY:	DAW
DRAWN BY:	BUS
DRAWING NAME:	rp01003.dwg
DATE:	12/23/11
CITY/STATE:	REVIEW & COMMENTS

**wendler**  
 wendler engineering services, inc.  
 1000 003.dwg  
 engineers - surveyors - scientists  
 www.wendlers.com ph: 815.288.2281  
 Illinois Professional Design Firm No. 194-00848



PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

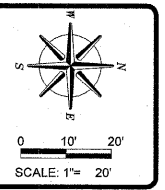
SHEET TITLE  
**PLAN & PROFILE**

JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
**12 of 26**

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
P.A. 5345	*	DEKALB	26	13
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT-	
* Section 10-00177-00-BT			Contract #87480	



REVISIONS	
REVISION	DATE
CITY/DCR REVIEW & COMMENTS	12/23/11

DESIGNED BY:	DAW
DRAWN BY:	BDS
CHECKED BY:	WES
DATE:	12/23/11

**wendler**  
 wendler engineering services, inc.  
 engineers - surveyors - scientists  
 www.wendlergs.com    ph: 815.288.2281  
 Illinois Professional Design Firm No. 184-000948

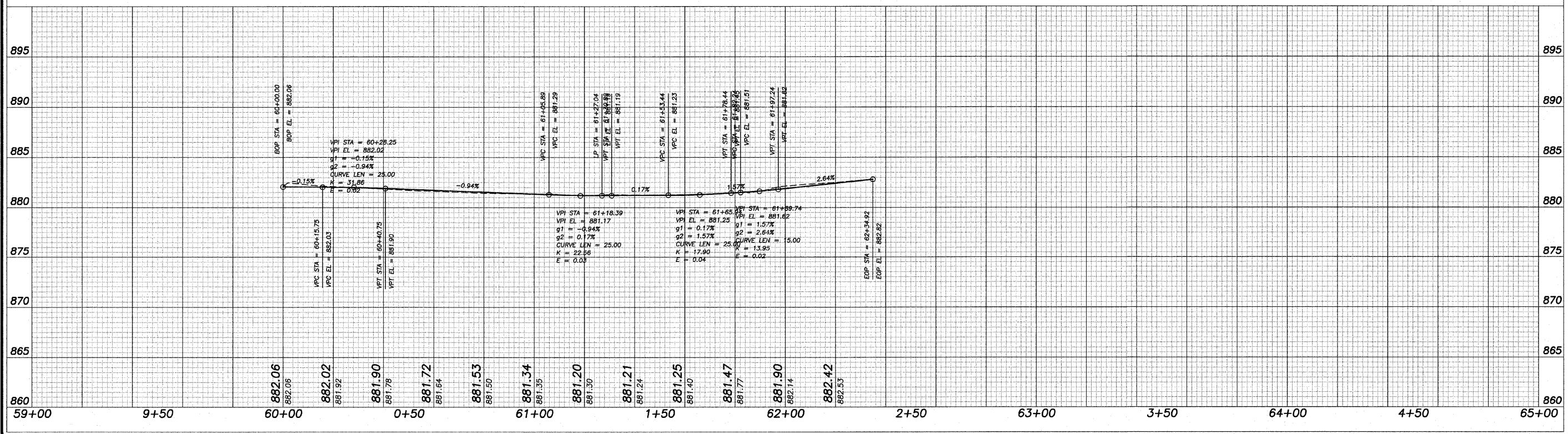
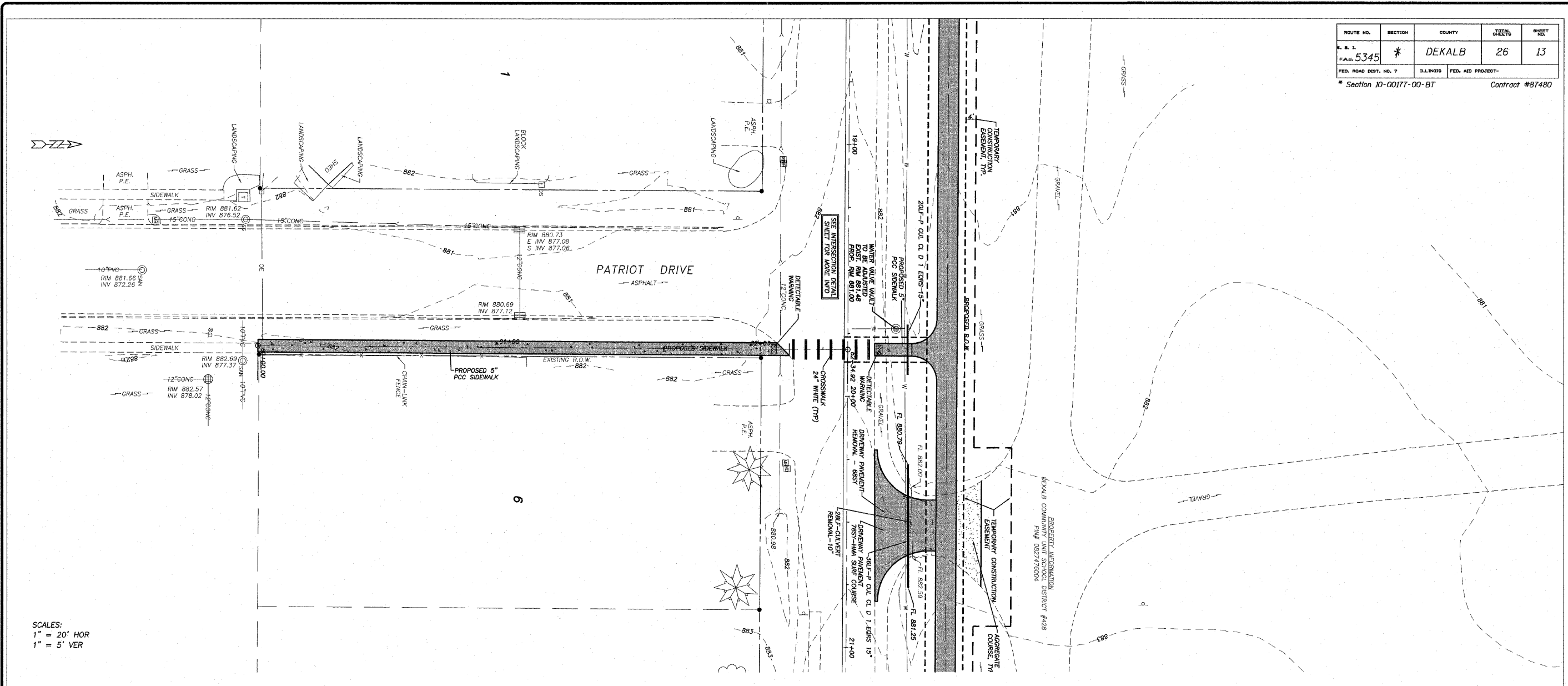
PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

SHEET TITLE  
**PLAN & PROFILE**

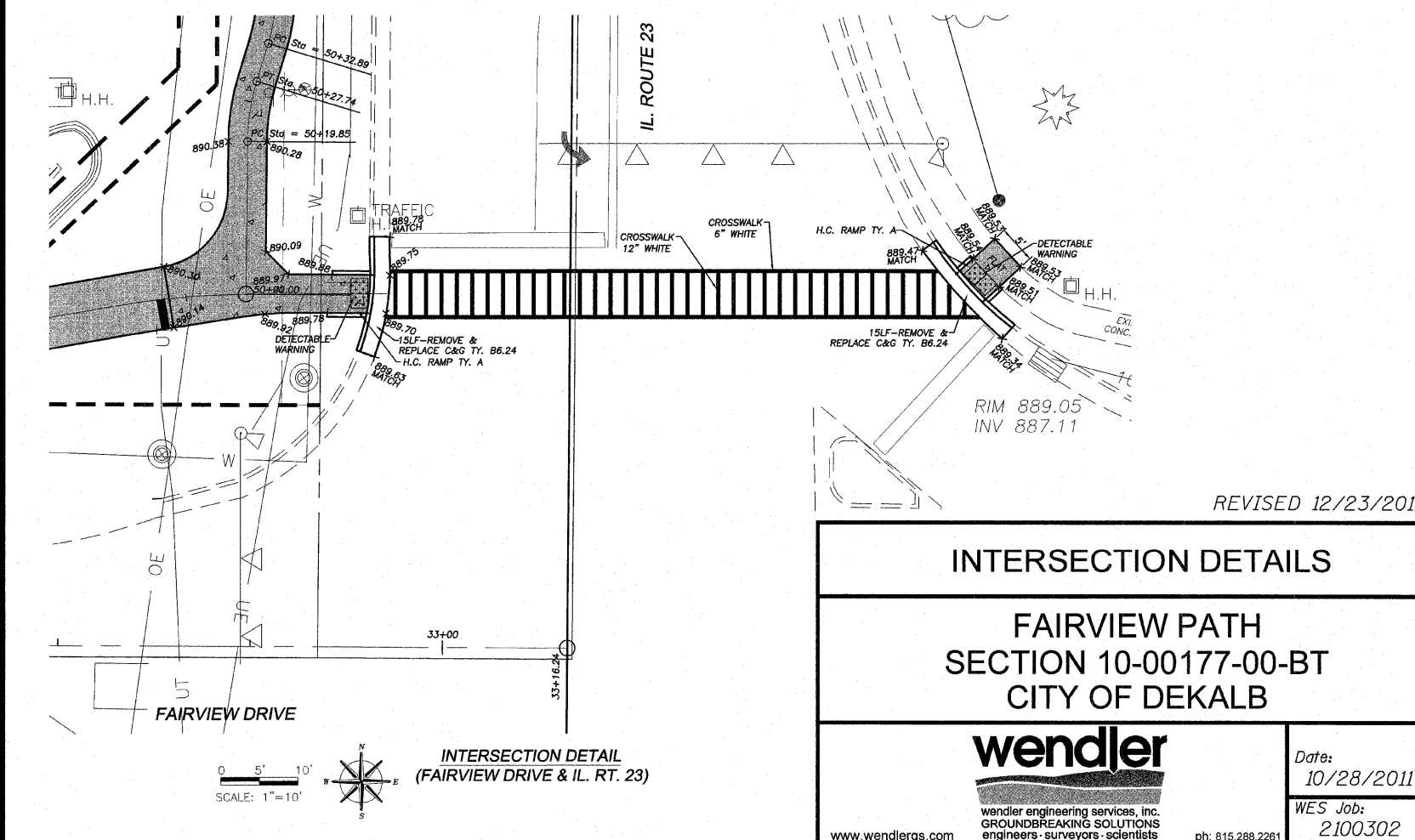
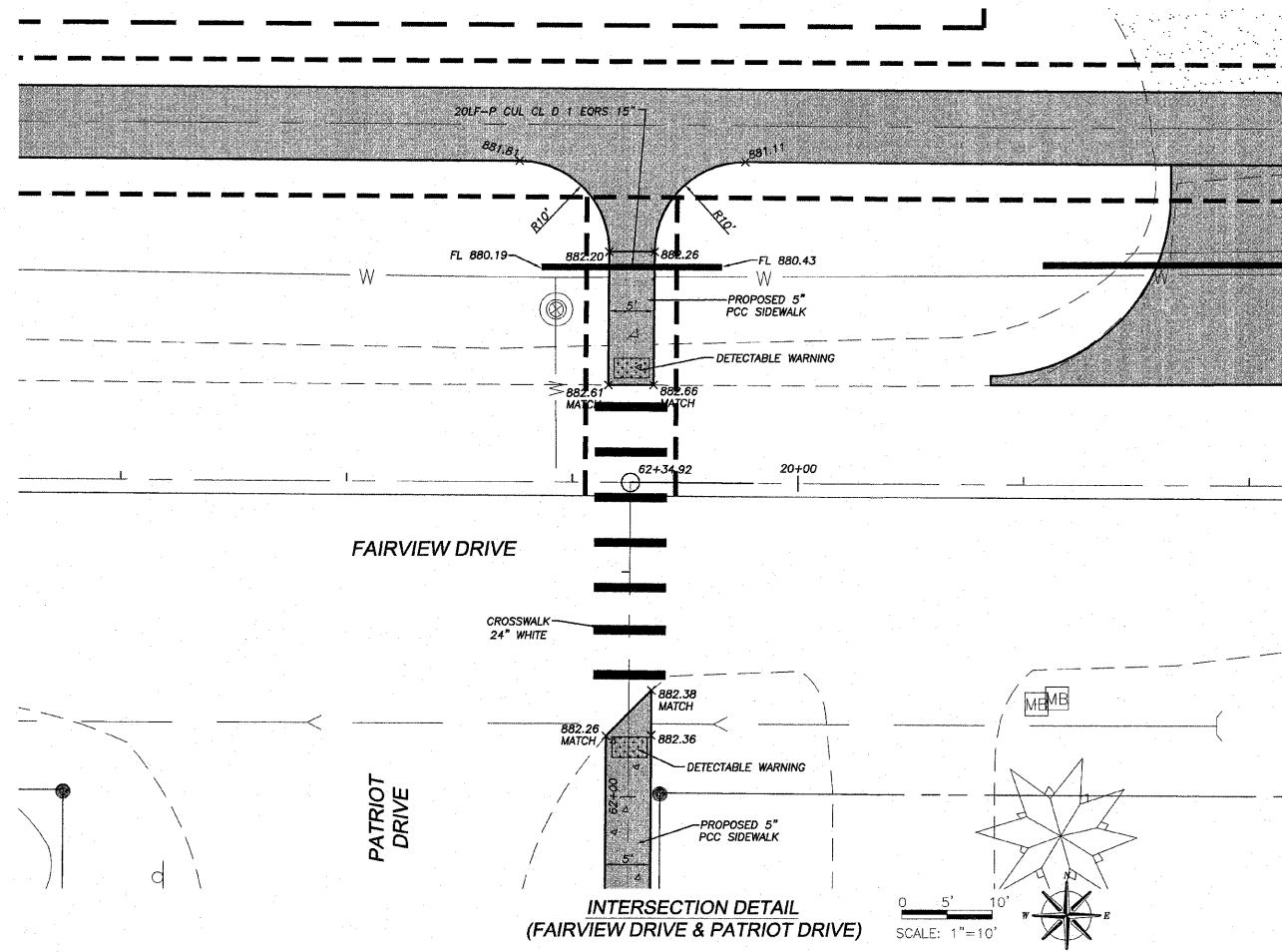
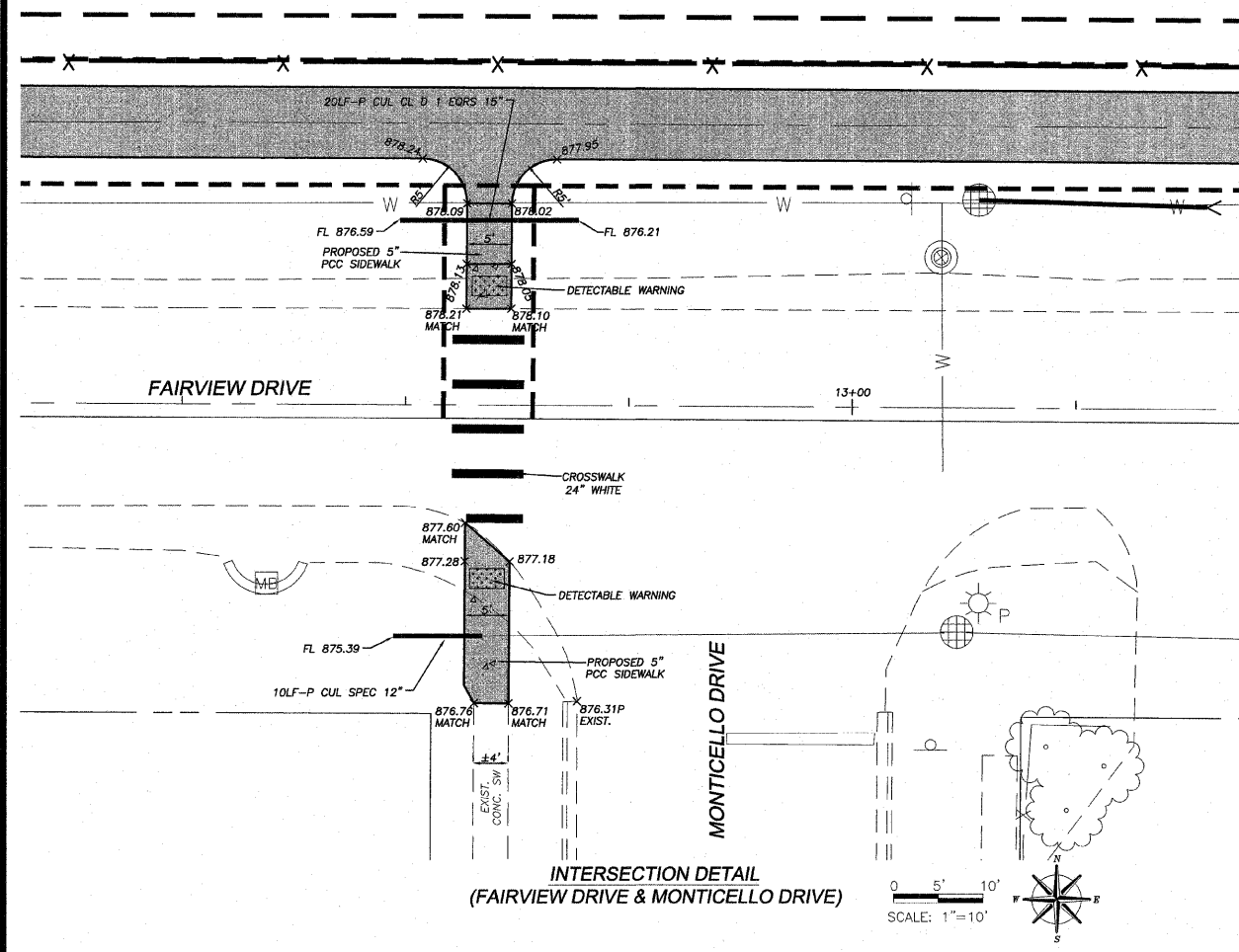
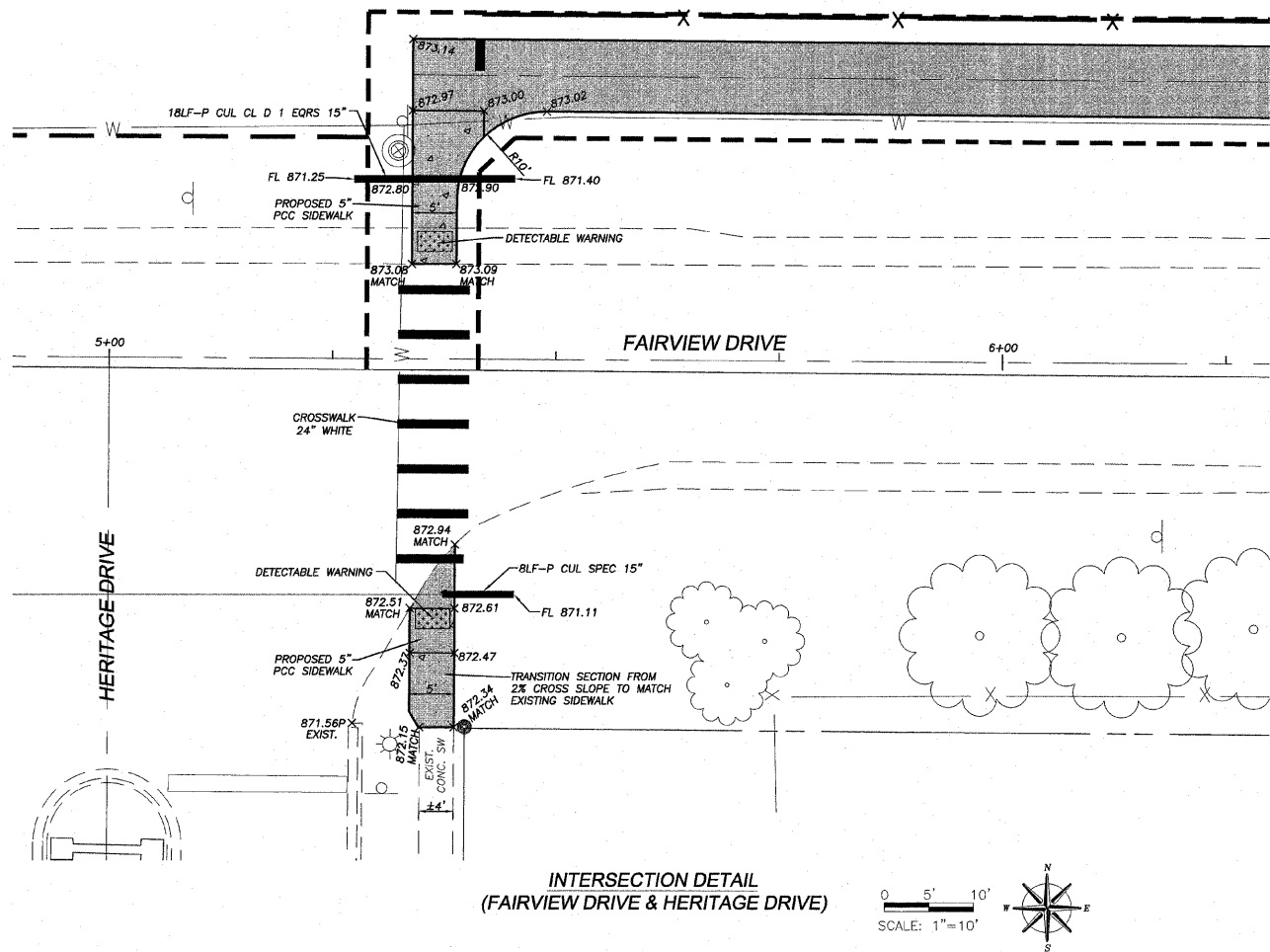
JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
**13 of 26**



SCALES:  
 1" = 20' HOR  
 1" = 5' VER



**INTERSECTION DETAILS**

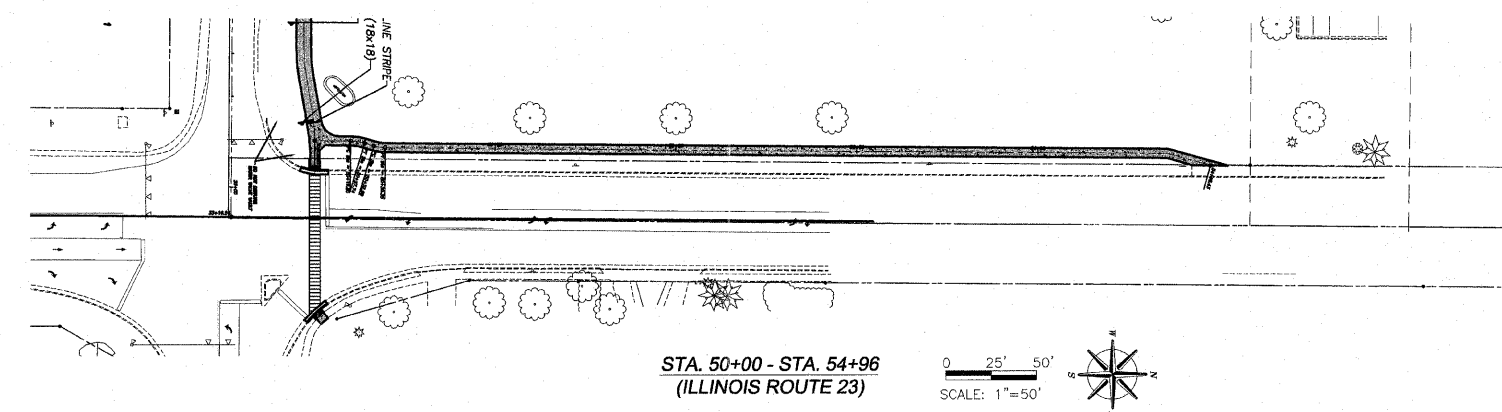
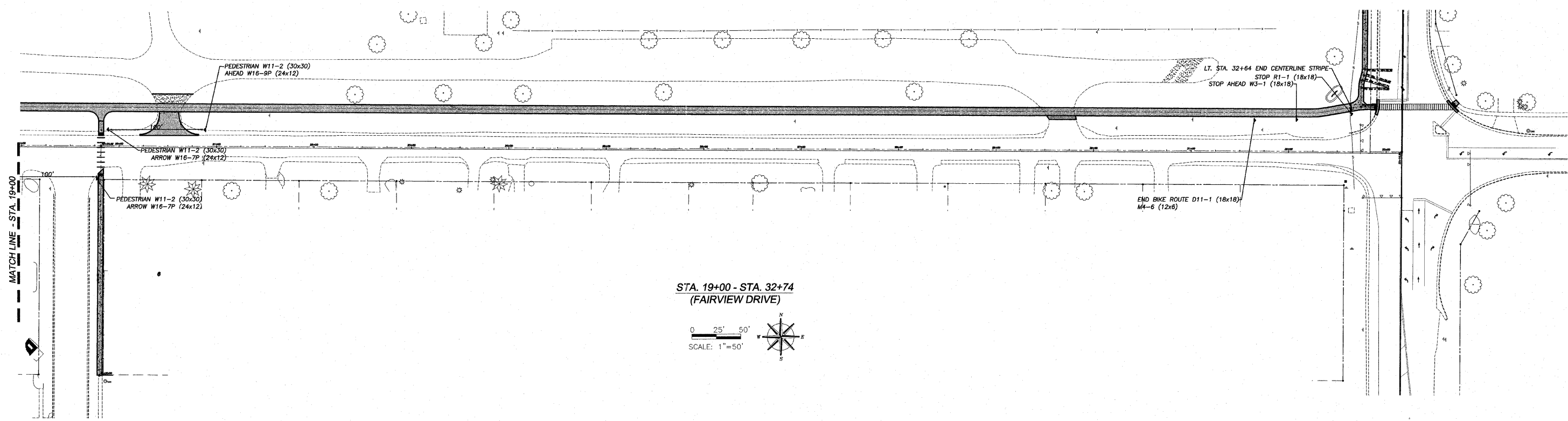
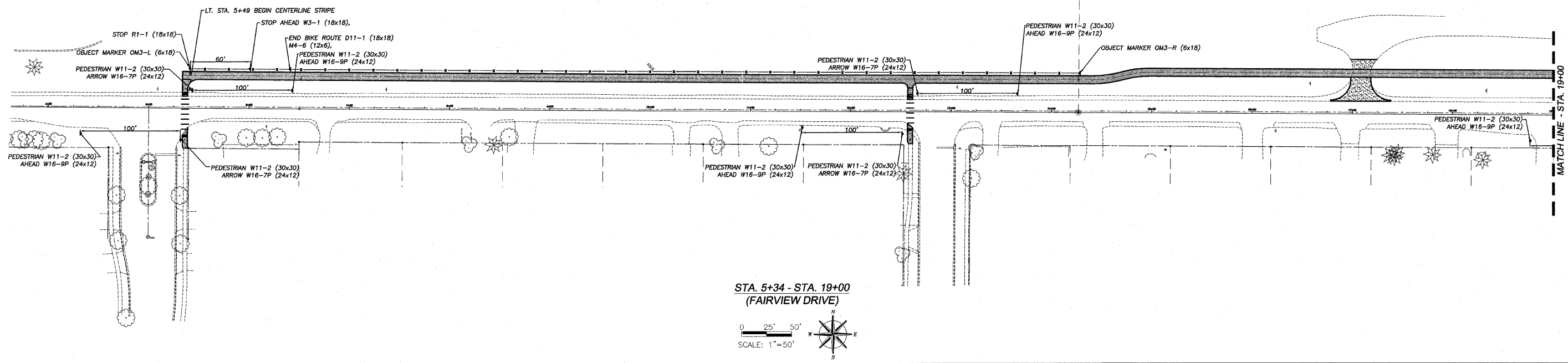
**FAIRVIEW PATH**  
SECTION 10-00177-00-BT  
CITY OF DEKALB

**wendler**  
wendler engineering services, inc.  
GROUND BREAKING SOLUTIONS  
engineers - surveyors - scientists

Date: 10/28/2011  
WES Job: 2100302  
www.wendlergs.com ph: 815.288.2261

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L. 5345	*	DEKALB	26	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

\* Section 10-00177-00-BT Contract #87480



REVISED 12/23/2011

**SIGNAGE & PAVEMENT STRIPING PLAN**

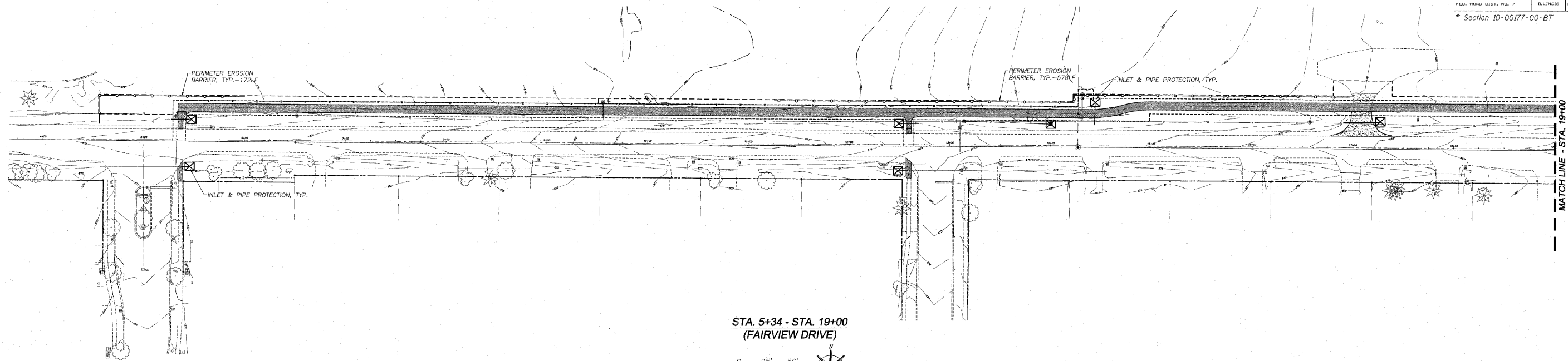
**FAIRVIEW PATH**  
SECTION 10-00177-00-BT  
CITY OF DEKALB

**wendler**  
wendler engineering services, inc.  
GROUND-BREAKING SOLUTIONS  
engineers · surveyors · scientists

Date: 10/28/2011  
WES Job: 2100302

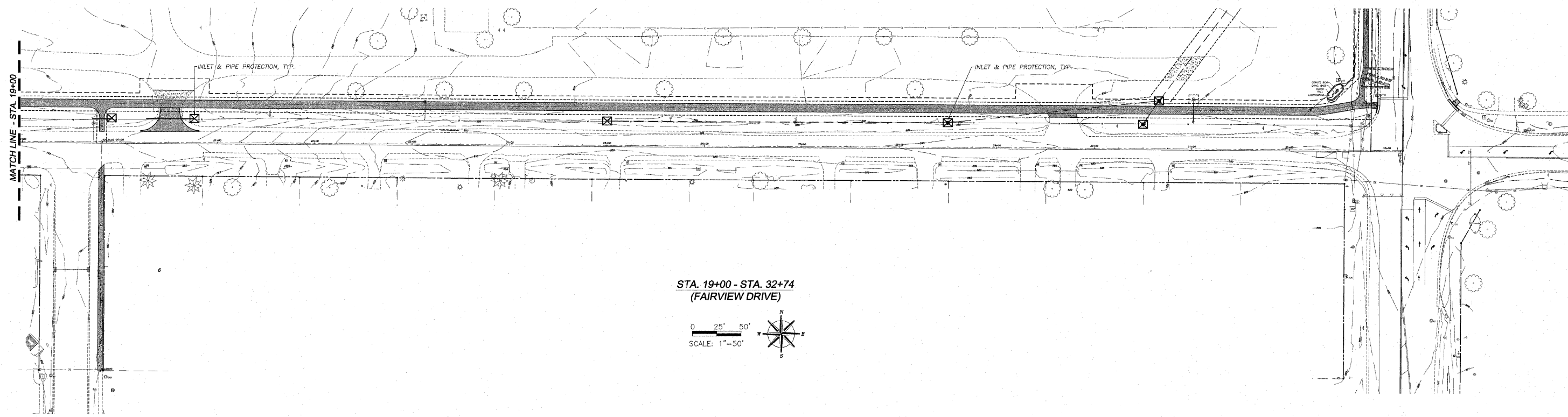
www.wendlergs.com ph: 815.288.2261

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
5345	*	DEKALB	26	16
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
* Section 10-00177-00-BT			Contract #87480	



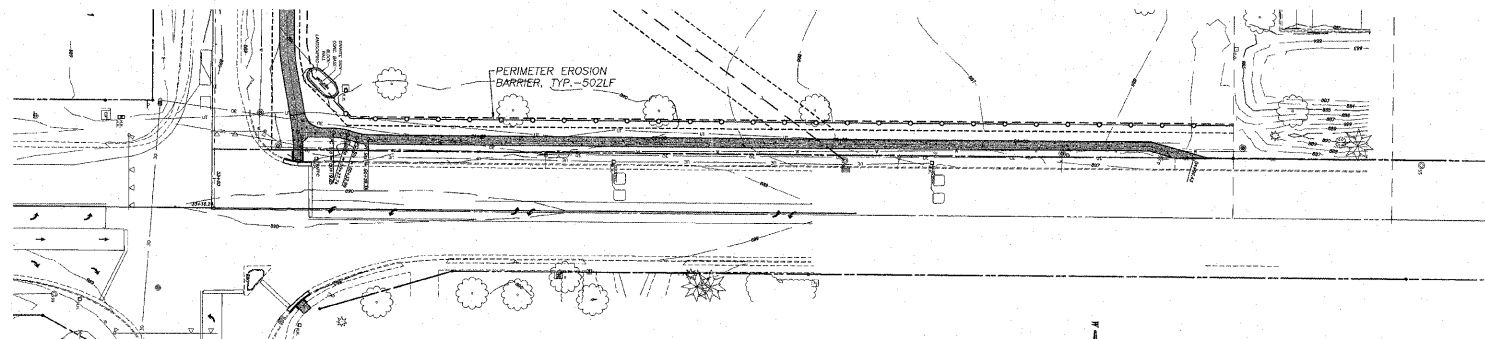
STA. 5+34 - STA. 19+00  
(FAIRVIEW DRIVE)

0 25' 50'  
SCALE: 1"=50'



STA. 19+00 - STA. 32+74  
(FAIRVIEW DRIVE)

0 25' 50'  
SCALE: 1"=50'



STA. 50+00 - STA. 54+96  
(ILLINOIS ROUTE 23)

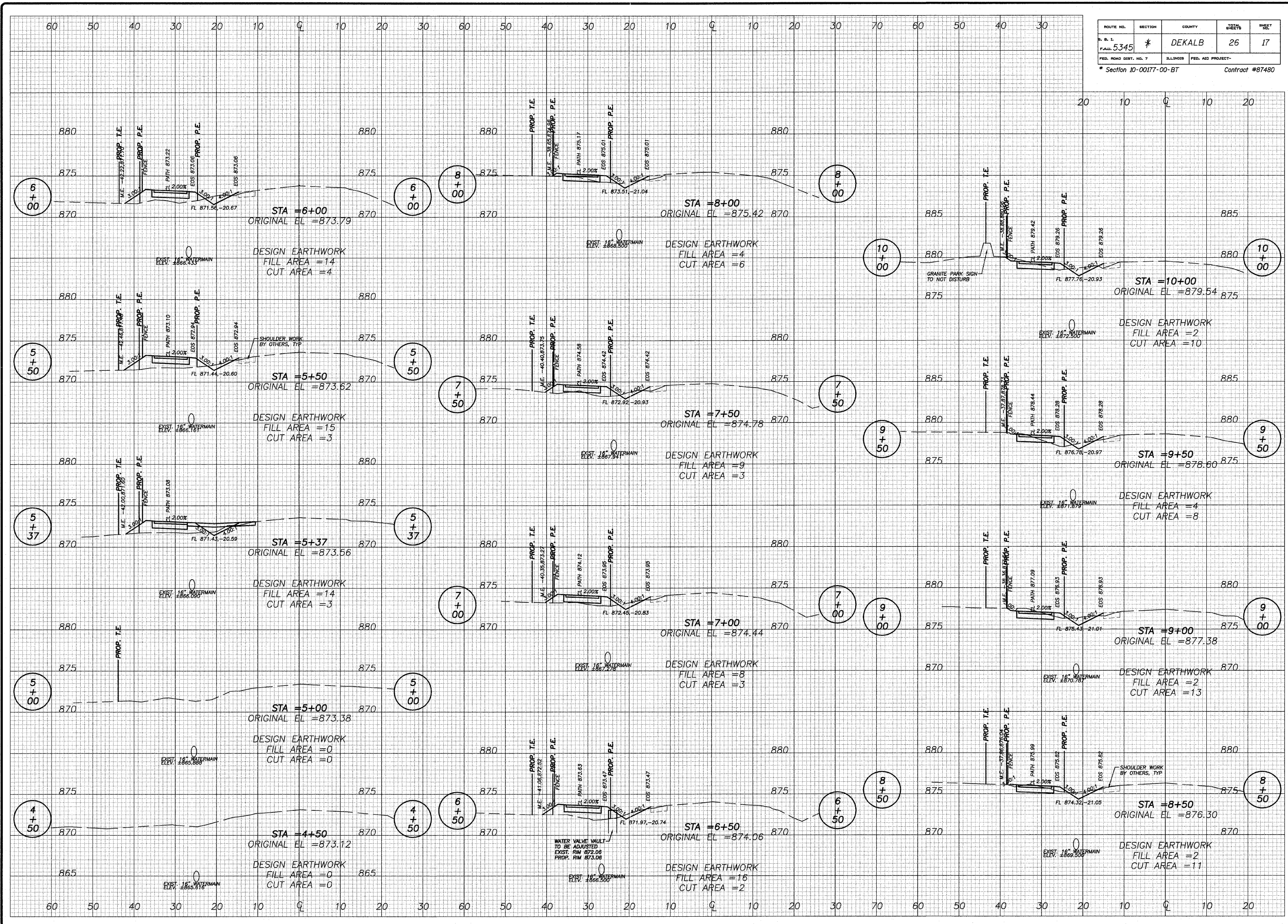
0 25' 50'  
SCALE: 1"=50'

REVISED 12/23/2011

<b>EROSION CONTROL PLAN</b>	
FAIRVIEW PATH SECTION 10-00177-00-BT CITY OF DEKALB	
<b>wendler</b> wendler engineering services, inc. GROUND BREAKING SOLUTIONS engineers - surveyors - scientists	Date: 10/28/2011 WES Job: 2100302
www.wendlergs.com	ph: 815.288.2281



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.W. 5345	*	DEKALB	26	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	



REVISIONS	DATE	REVISION

DESIGNED BY:	DAWN BY:	DRAWING NAME:
CHECKED BY:		

**wendler**  
 wendler engineering services, inc.  
 GRADING & SOILS CONSULTANTS  
 www.wendlereng.com • P.O. Box 281  
 Illinois Professional Design Firm No. 184-00848

PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

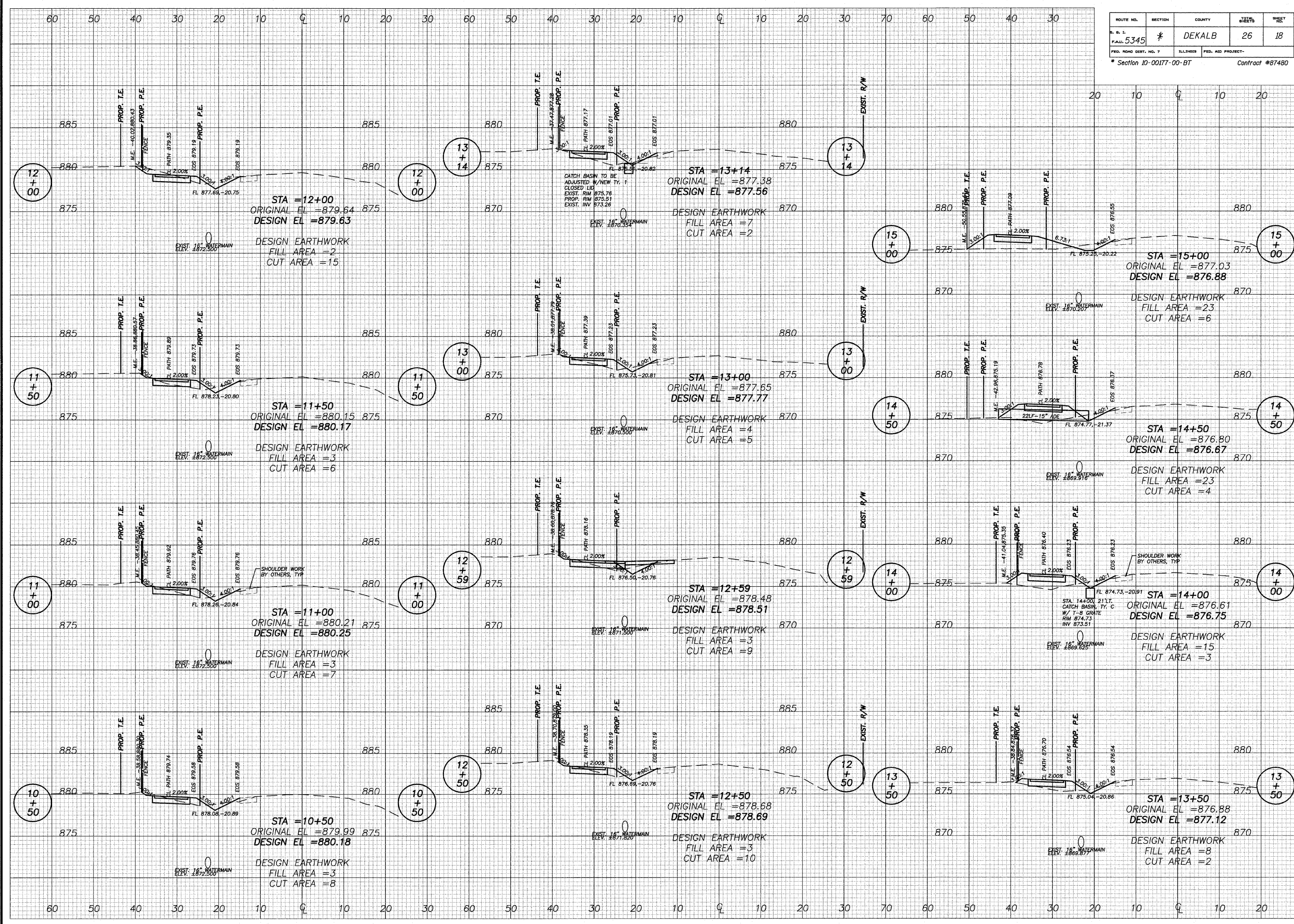
SHEET TITLE  
**CROSS SECTIONS**

JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
**17 of 26**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.N. 5345	*	DEKALB	26	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	



REVISIONS	DATE	REVISION

DESIGNED BY:	DAW
DRAWN BY:	EDS
CHECKED BY:	
DATE:	12/23/11

**wendler**  
 wendler engineering services, inc.  
 2000 WINDING STATION  
 CONCORD, MA 01746  
 WWW.WENDLERDESIGN.COM PH: 816.288.2261  
 Illinois Professional Design Firm No. 184-000948

PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

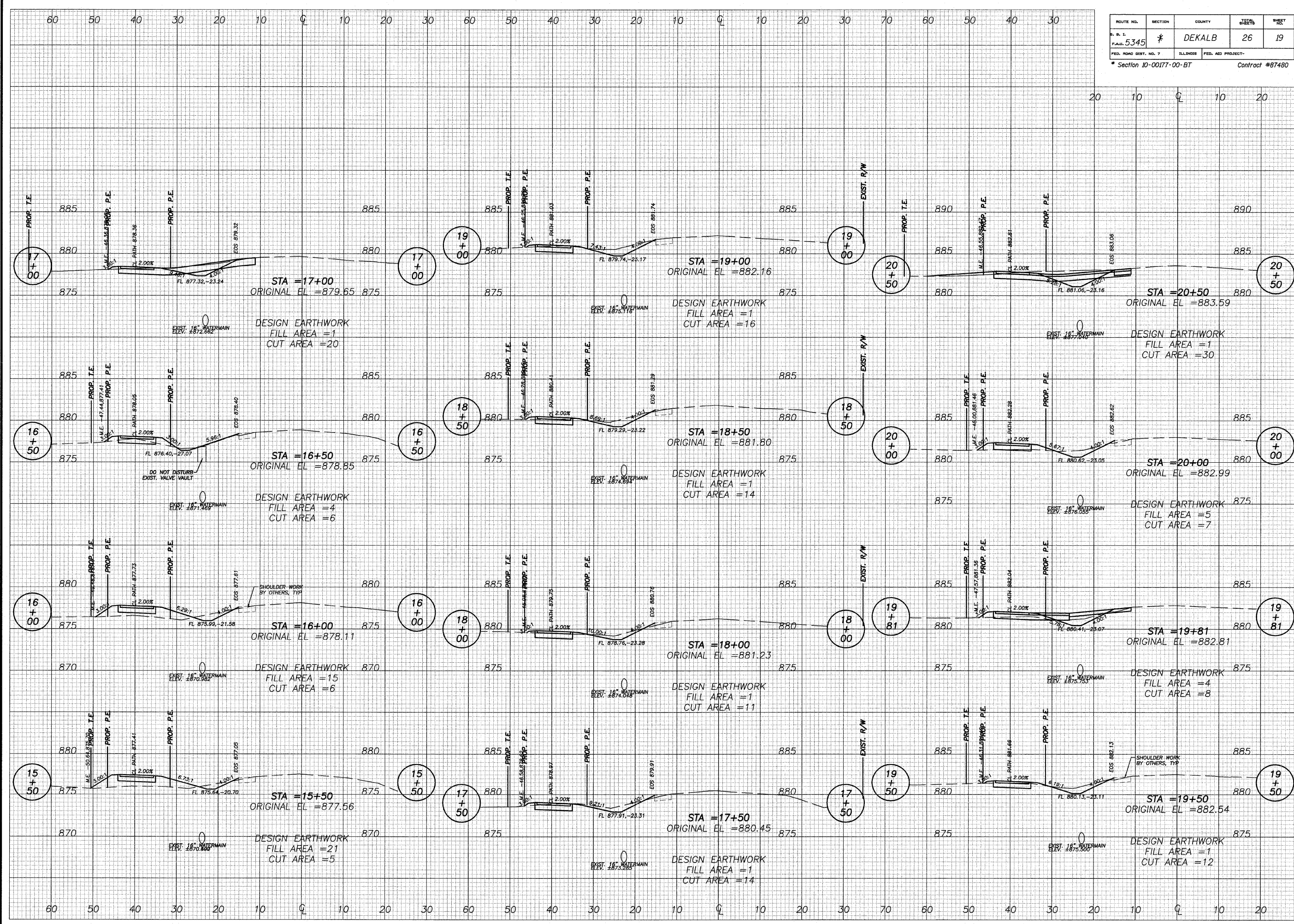
SHEET TITLE  
**CROSS SECTIONS**

JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
**18 of 26**

ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
F.A.U. 5345	*	DEKALB	26	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
* Section 10-00177-00-BT			Contract #87480	



REVISIONS	DATE	REVISION

DESIGNED BY:	DATE:
DRAWN BY:	
CHECKED BY:	

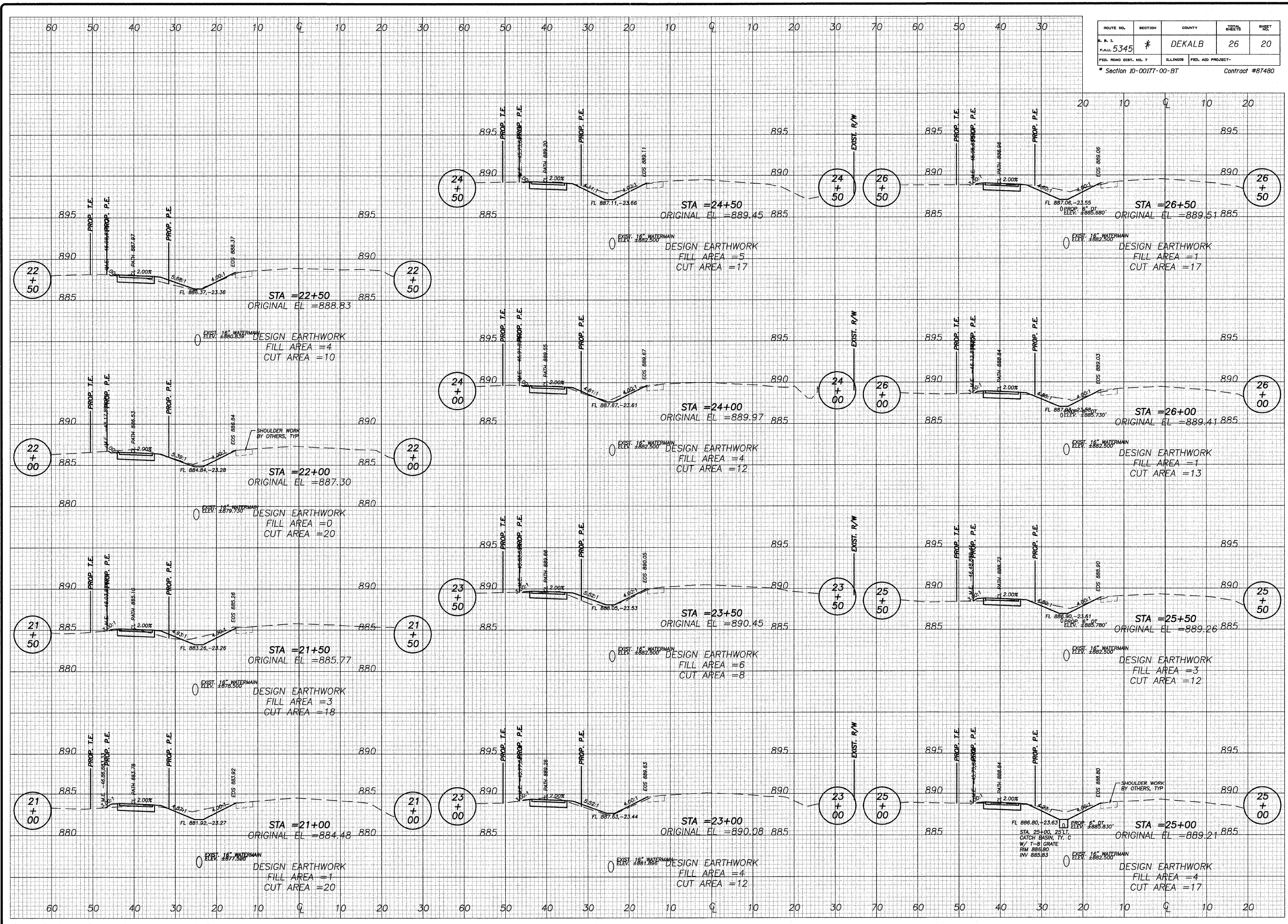
**wendler**  
 wendler engineering services, inc.  
 1000 Peachtree Street, N.E.  
 Atlanta, Georgia 30309  
 www.wendlereng.com ph: 404.252.2261  
 Illinois Professional Design Firm No. 184-000848

**PLANS FOR PROPOSED  
 OF  
 E. FAIRVIEW BIKE PATH  
 FOR  
 CITY OF DEKALB**

SHEET TITLE  
**CROSS SECTIONS**

JOB NUMBER  
 2100302  
 DATE  
 10/28/2011

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.W. 5345	*	DEKALB	26	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	



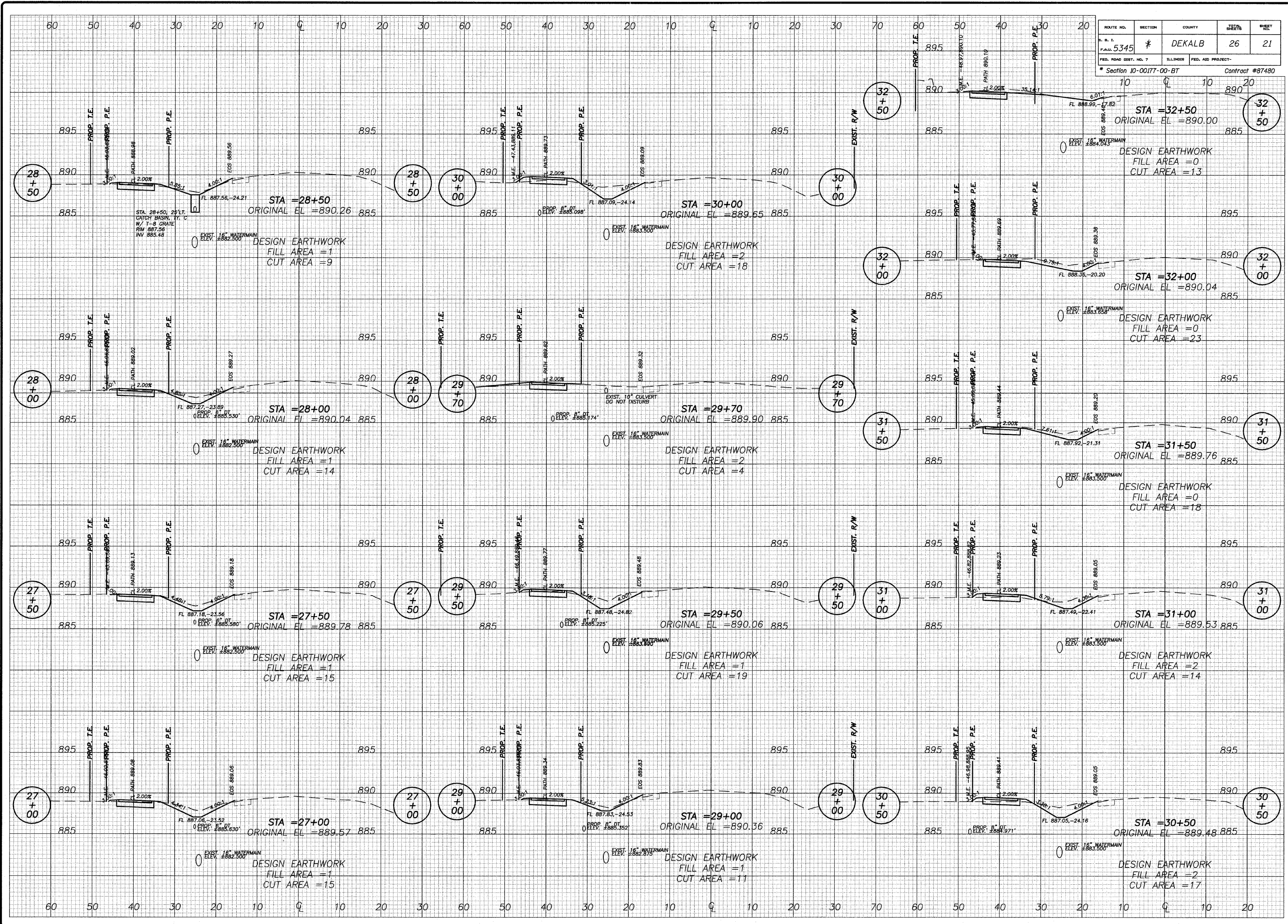
REVISIONS	
NO.	DATE

DESIGNED BY:	DATE:
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

**wendler**  
 wendler engineering services, inc.  
 1000 W. BIRCHWOOD BLVD.  
 SUITE 200  
 DEKALB, GA 30030  
 PHONE: 770.486.2281  
 WWW.WENDLERGS.COM  
 Illinois Professional Design Firm No. 194-000848

PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

SHEET TITLE
<b>CROSS SECTIONS</b>
JOB NUMBER 2100302
DATE 10/28/2011
SHEET NO. <b>20 of 26</b>



ROUTE NO.	SECTION	COUNTY	SHEET NO.
F.A.U. 5345	*	DEKALB	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	
* Section 10-00177-00-BT			Contract #87480

REVISIONS	
NO.	DATE
1	12/23/11

DESIGNED BY: [Blank]  
 DRAWN BY: [Blank]  
 CHECKED BY: [Blank]  
 DATE: [Blank]

**wendler**  
 wendler engineering services, inc.  
 civil engineering, surveying, planning, architecture  
 www.wendlereng.com ph: 815.988.2281  
 Illinois Professional Design Firm No. 184-000848

PLANS FOR PROPOSED  
 OF  
**E. FAIRVIEW BIKE PATH**  
 FOR  
 CITY OF DEKALB

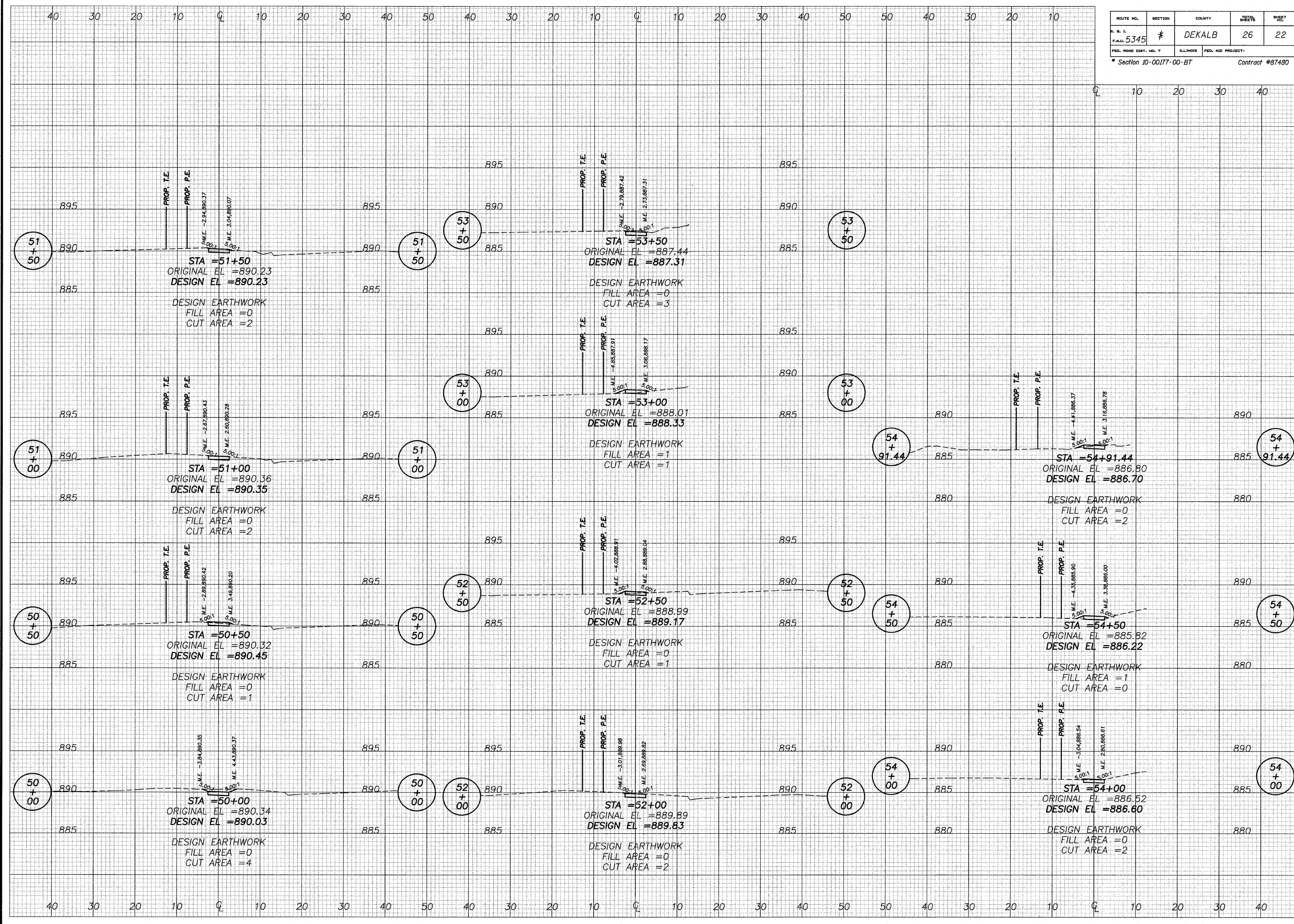
SHEET TITLE  
**CROSS SECTIONS**

JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
**21 of 26**

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
F.A.L. 5345	*	DEKALB	26	22
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	



REVISIONS	DATE	REVISION

DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	

**wendler**  
 wendler engineering services, inc.  
 GEOTECHNICAL SOLUTIONS  
 1000 W. WASHINGTON ST. #100  
 DEKALB, IL 62521  
 WWW.WENDLERGS.COM  
 Illinois Professional Design Firm No. 184-000648

**PLANS FOR PROPOSED  
 OF  
 E. FAIRVIEW BIKE PATH  
 FOR  
 CITY OF DEKALB**

SHEET TITLE  
**CROSS SECTIONS**

JOB NUMBER  
 2100302

DATE  
 10/28/2011

SHEET NO.  
**22 of 26**

P:\00000000\00000000.dwg, 12/22/11 1:45:53 PM, BCS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5345	*	DEKALB	26	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
* Section 10-00177-00-BT			Contract #87480	

REVISION	DATE	REVISION

DESIGNED BY:   
 DRAWN BY:   
 CHECKED BY:   
 SURVEYED BY:   
 WES   
 WENDLER ENGINEERING SERVICES, INC.   
 ENGINEERS & SURVEYORS, INC.   
 WWW.WENDLERENGINEERING.COM   
 1164-2303-68

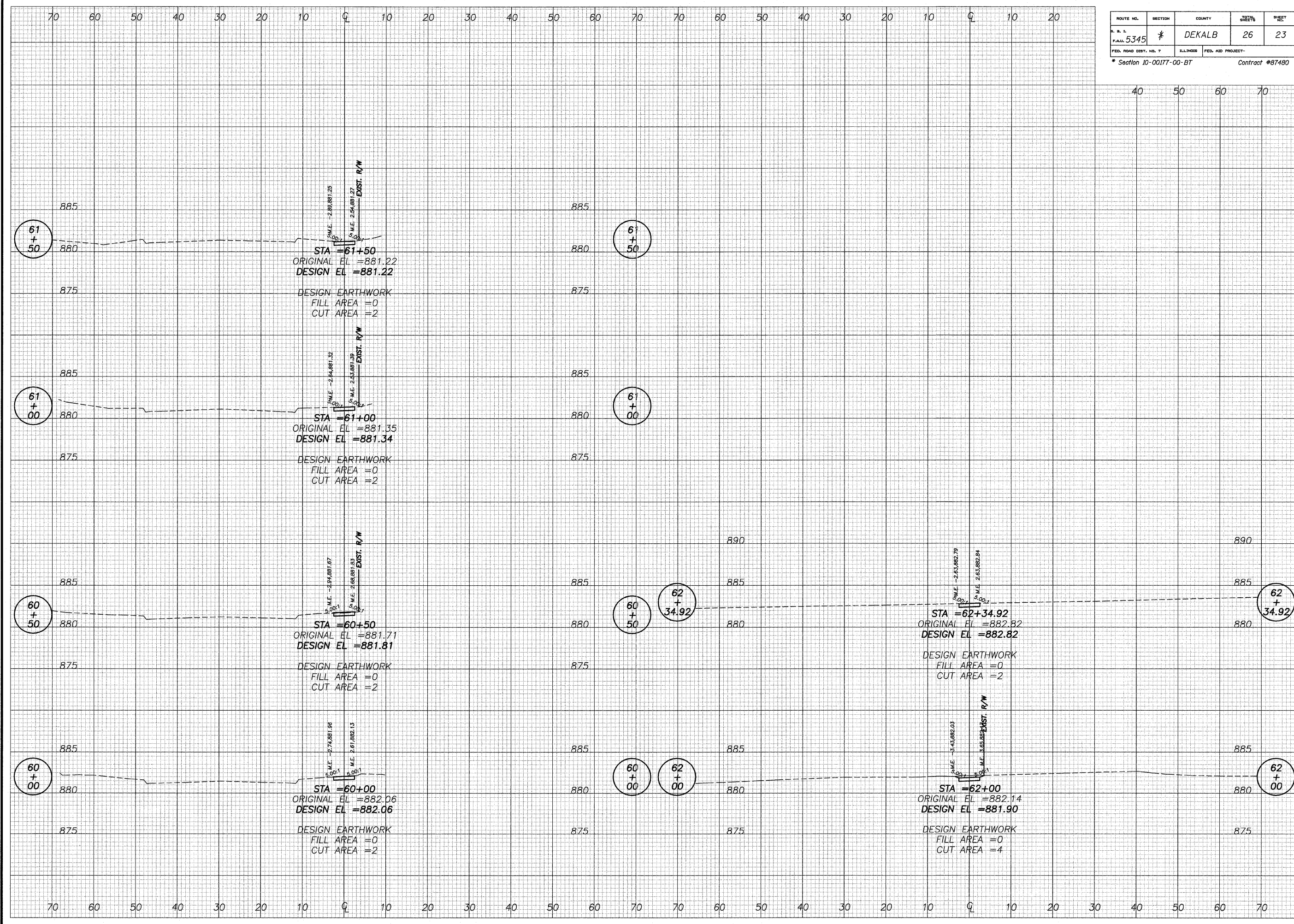
**PLANS FOR PROPOSED**  
**OF**  
**E. FAIRVIEW BIKE PATH**  
**FOR**  
**CITY OF DEKALB**

SHEET TITLE  
**CROSS SECTIONS**





























JOB NUMBER  
 2100302

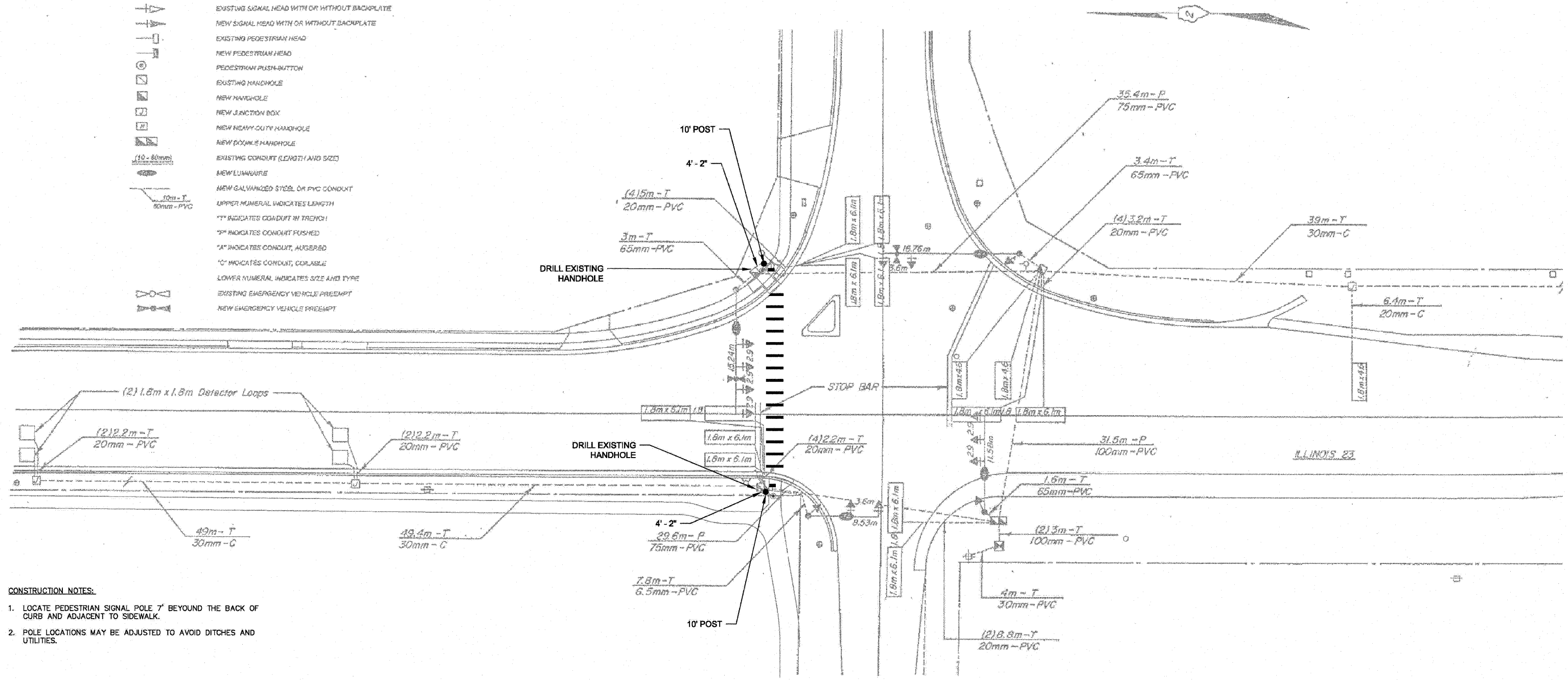
DATE  
 10/28/2011

SHEET NO.  
**23 of 26**




**LEGEND**

-  EXISTING CONTROLLER
-  NEW CONTROLLER
-  EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
-  EXISTING STEEL MAST ARM ASSEMBLY AND POLE
-  NEW STEEL MAST ARM ASSEMBLY AND POLE
-  EXISTING SIGNAL HEAD AND POST
-  NEW SIGNAL HEAD AND POST
-  EXISTING SIGNAL HEAD WITH OR WITHOUT BACKPLATE
-  NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
-  EXISTING PEDESTRIAN HEAD
-  NEW PEDESTRIAN HEAD
-  PEDESTRIAN PUSH-BUTTON
-  EXISTING HANDHOLE
-  NEW HANDHOLE
-  NEW JUNCTION BOX
-  NEW HEAVY-DUTY HANDHOLE
-  NEW DOUBLE HANDHOLE
-  EXISTING CONDUIT (LENGTH AND SIZE)
-  NEW LUMINAIRE
-  NEW GALVANIZED STEEL OR PVC CONDUIT
-  UPPER NUMERAL INDICATES LENGTH
-  "T" INDICATES CONDUIT IN TRENCH
-  "F" INDICATES CONDUIT PUSHED
-  "A" INDICATES CONDUIT, AUGERED
-  "C" INDICATES CONDUIT, CORABLE
-  LOWER NUMERAL INDICATES SIZE AND TYPE
-  EXISTING EMERGENCY VEHICLE PREEMPT
-  NEW EMERGENCY VEHICLE PREEMPT



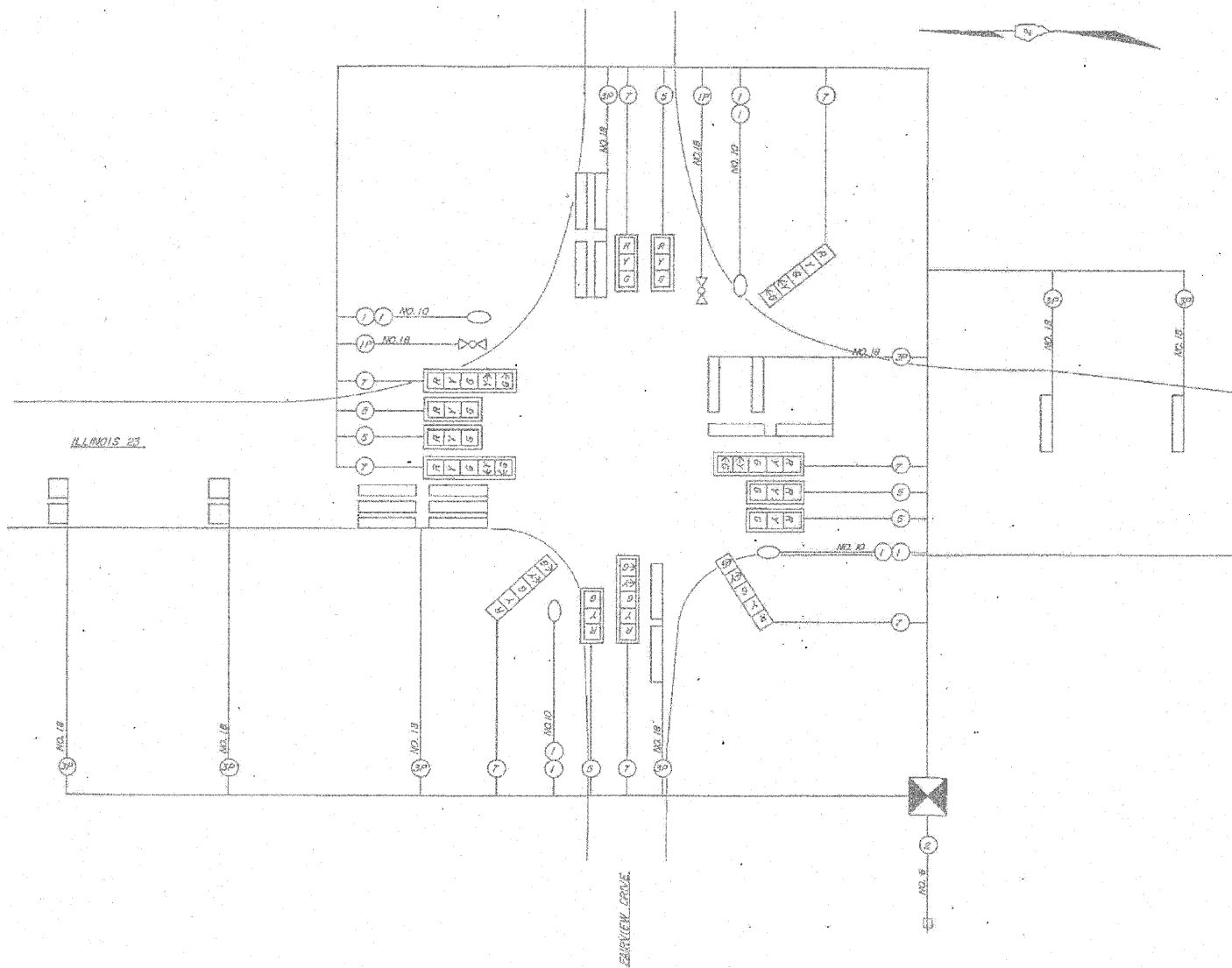
- CONSTRUCTION NOTES:**
1. LOCATE PEDESTRIAN SIGNAL POLE 7' BEYOND THE BACK OF CURB AND ADJACENT TO SIDEWALK.
  2. POLE LOCATIONS MAY BE ADJUSTED TO AVOID DITCHES AND UTILITIES.

**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

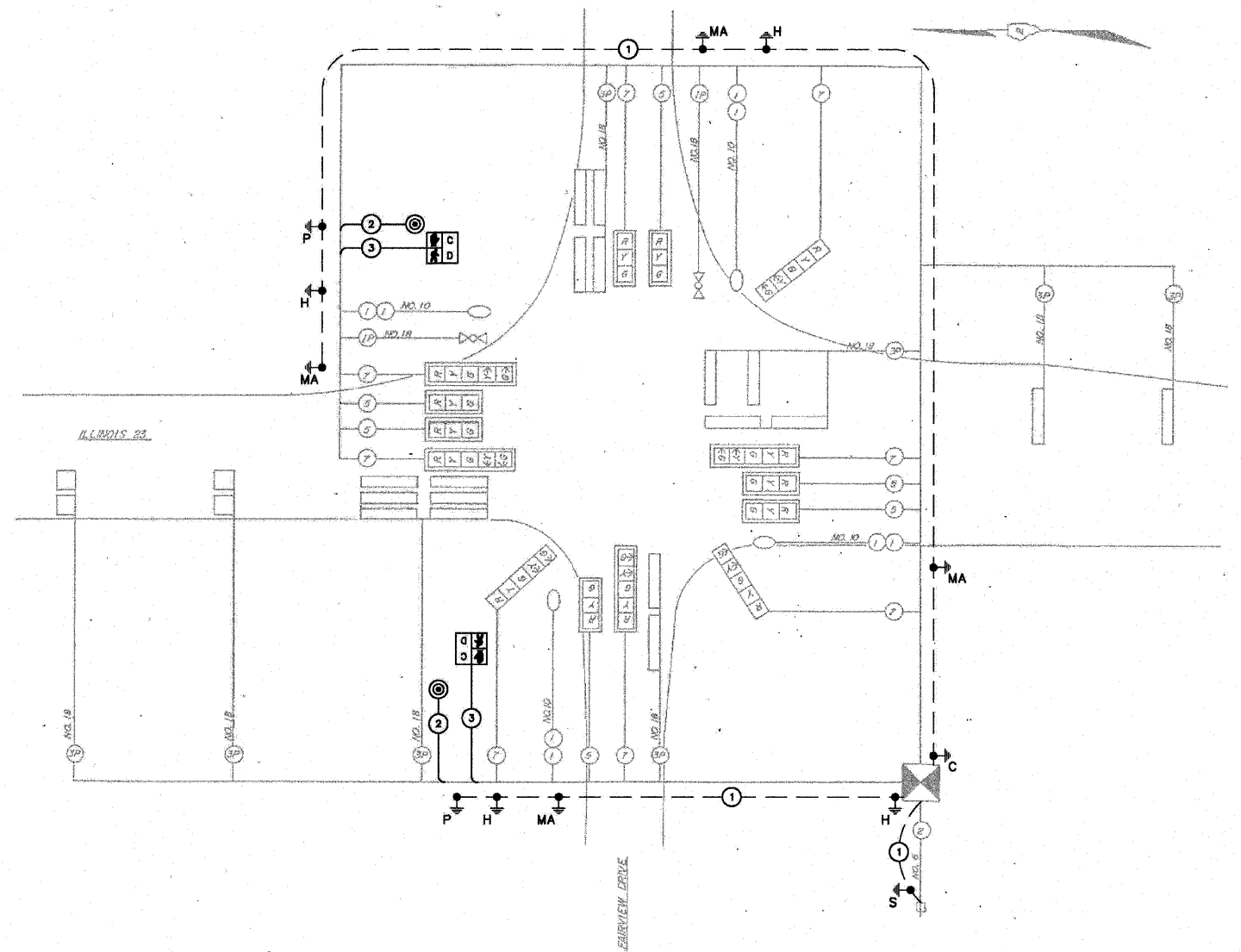
FILE NAME = P:\2010\100237\cad\phase 1\dwg\Cable Plans.dwg **DATE**	USER NAME =	DESIGNED -- JS	REVISED --		<b>TRAFFIC SIGNAL MODIFICATION</b> ILL ROUTE 23 & FAIRVIEW DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN -- BF	REVISD --				10-00177-00-BT	DEKALB	26	24	
PLOT DATE =	CHECKED -- JS	REVISD --				HLR PROJECT NO. - 10.0288.350	CONTRACT NO. 87480			
DATE -- 7/13/2011	REVISD --					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



EXISTING CABLE PLAN

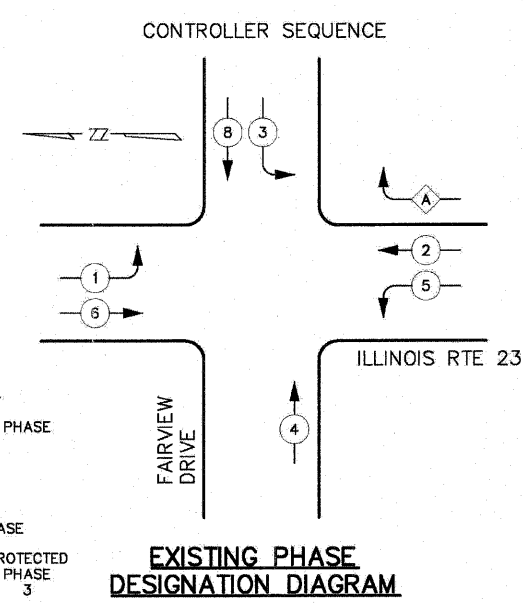


PROPOSED CABLE PLAN



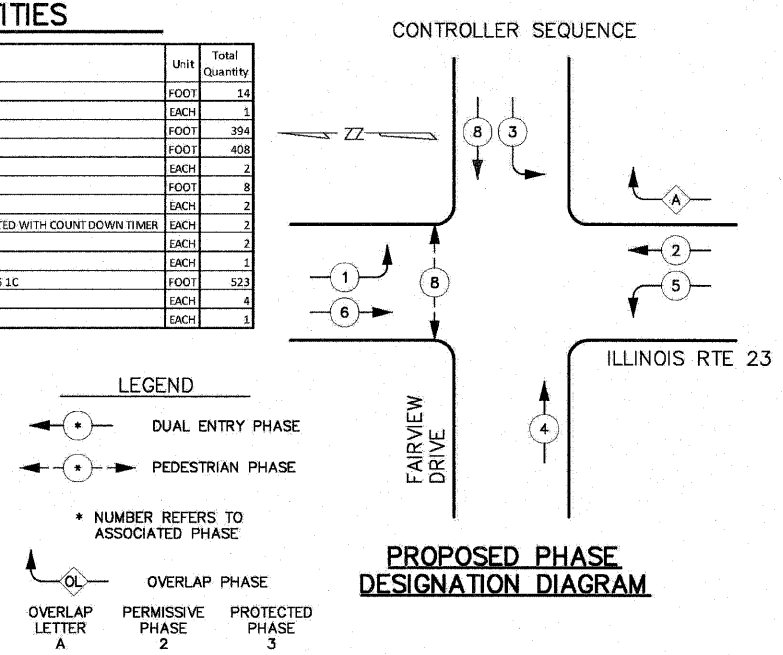
I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	x WATTAGE		% OPERATION	
SIGNAL (RED)	14	-135-	17	0.50	119.0
(YELLOW)	14	-135-	25	0.25	87.5
(GREEN)	14	-135-	15	0.25	52.5
ARROW	14	-135-	12	0.10	16.8
PED. SIGNAL	2	-90-	25	1.00	50.0
CONTROLLER	1	100	100	1.00	100.0
LOOP	8	5		1.00	40.0
LIGHTING	4	250		0.50	500.0
ENERGY COSTS TO:					TOTAL = 965.8
ENERGY SUPPLY CONTACT:					
PHONE:					
COMPANY:					

- LEGEND**
- ① ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE
  - Ⓡ Ⓢ Ⓣ SIGNAL FACE
  - Ⓡ Ⓢ Ⓣ SIGNAL FACE WITH BACKPLATE
  - Ⓢ Ⓢ Ⓢ PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER
  - Ⓢ PEDESTRIAN PUSHBUTTON
  - DETECTOR LOOP, TYPE I
  - Ⓢ Ⓢ Ⓢ GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE
  - LUMINAIRE, 250 WATT
  - Ⓢ EMERGENCY VEHICLE PREEMPT



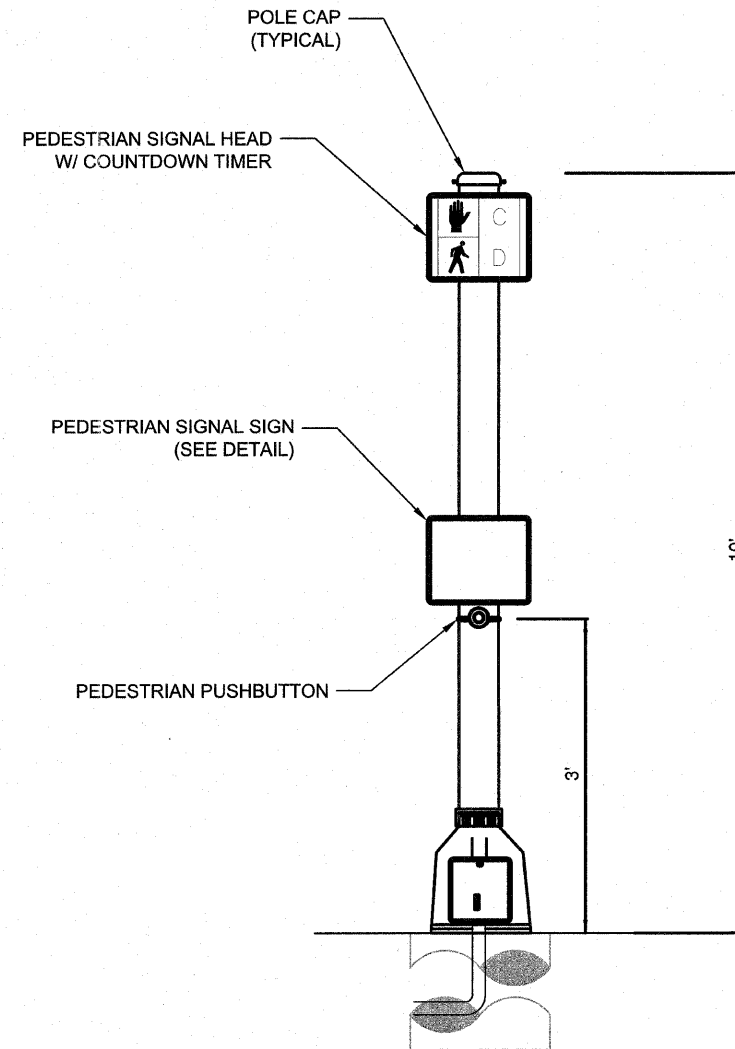
**SCHEDULE OF QUANTITIES**

Item No.	IDOT Code	Item Description	Unit	Total Quantity
1	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	14
2	85002000	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
3	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	394
4	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	408
5	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
6	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8
7	87900200	DRILL EXISTING HANDHOLE	EACH	2
8	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
9	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
10	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
11	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	523
12	X8140102	GROUND EXISTING HANDHOLE	EACH	4
13	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

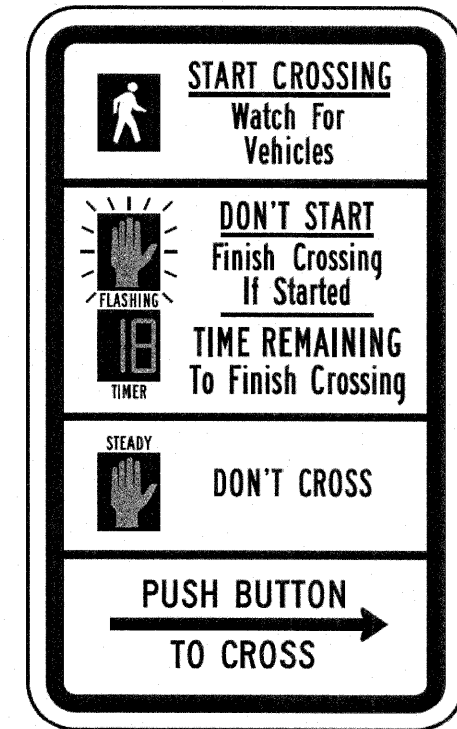


**TRAFFIC SIGNAL GENERAL NOTES**

1. THE CONTRACTOR SHALL CONTACT THE CITY OF DEKALB A MINIMUM OF 72 HOURS PRIOR TO BEGINNING OF WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON THE PEDESTRIAN TRAFFIC SIGNALS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. PEDESTRIAN SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
6. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
7. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE PEDESTRIAN SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE MODIFY EXISTING CONTROLLER CABINET PAY ITEM.
8. ALL CONDUIT IN TRENCH SHALL BE PVC. ALL CONDUIT PUSHED MAY BE PVC OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
9. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
10. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
11. ALL THREADS OF BOLTS USED IN THE ASSEMBLY TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
12. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER.
13. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
14. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
15. ALL PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
16. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
17. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
18. THE PEDESTRIAN POLES SHALL BE LOCATED 7' BEYOND THE BACK OF CURB AND ADJACENT TO THE SIDEWALK.
19. "BULLDOG" PEDESTRIAN PUSHBUTTONS SHALL BE USED.
20. RE-OPTIMIZATION LEVEL 1 SHALL BE PERFORMED ON THE INTERSECTION OF IL ROUTE 23 & FAIRVIEW DRIVE.



**PEDESTRIAN POLE DETAIL**



**R10-3e**

**PEDESTRIAN SIGNAL SIGN DETAIL**

USER NAME =	DESIGNED -- JS	REVISED --
	DRAWN -- BF	REVISED --
PLOT SCALE =	CHECKED -- JS	REVISED --
PLOT DATE =	DATE -- 7/13/2011	REVISED --

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00177-00-BT	DEKALB	26	26
HLR PROJECT NO. - 10.0288.350		CONTRACT NO. 87480		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		