

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	05-00005-00-RP	MADISON	42	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 97384		
FED. AID PROJECT NO.	97384			

**INDEX OF SHEETS**

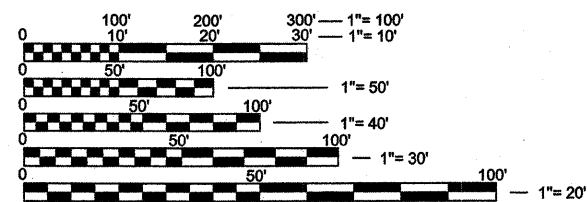
SHEET NO.	ITEM
1	COVER SHEET
2	SUMMARY OF QUANTITIES & GENERAL NOTES
3-5	TYPICAL SECTIONS
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7-14	PLAN & PROFILE
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25-42	CROSS SECTIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED**  
**NORTH RESEARCH DRIVE AND UNIVERSITY PARK DRIVE**  
**SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE**  
SECTION: 05-00005-00-RP  
PROJECT NO: HPP 0398(102)  
JOB NO: C-98-312-06  
MADISON COUNTY

**STANDARDS**

000001-05	701101-02
280001-04	701311-03
420001-07	701501-05
420101-04	701901-01
420106-04	780001-02
420701-02	781001-03
424001-05	878001-07
482006-03	B.L.R. 17-4
542301-02	
606001-04	
606306-03	

MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_

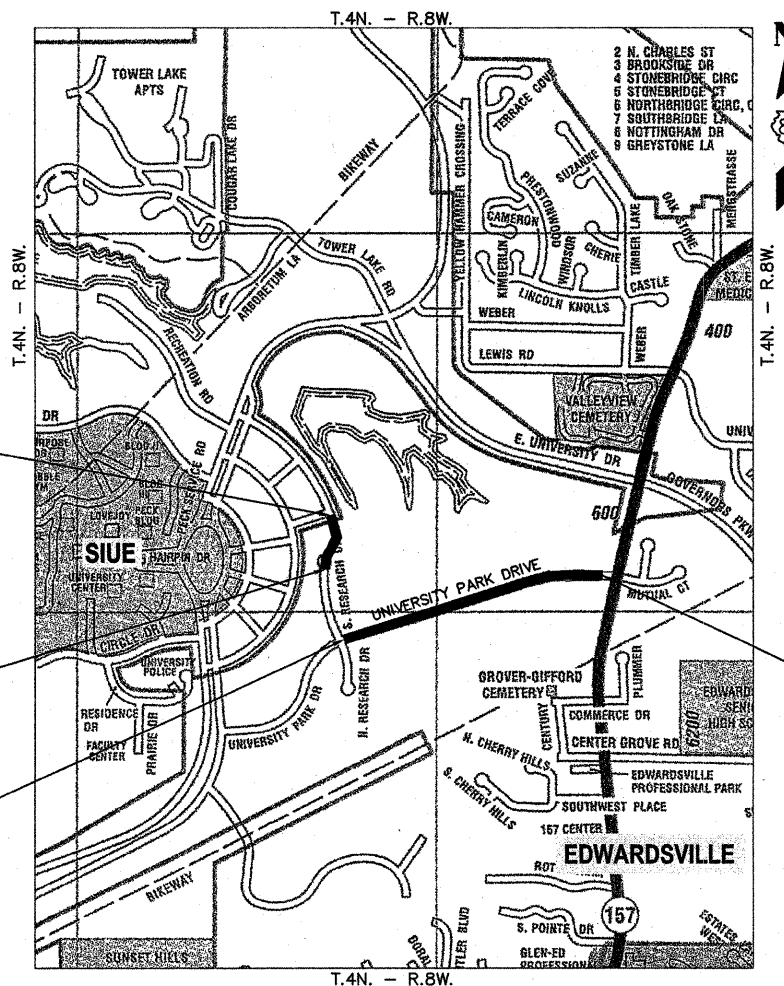


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

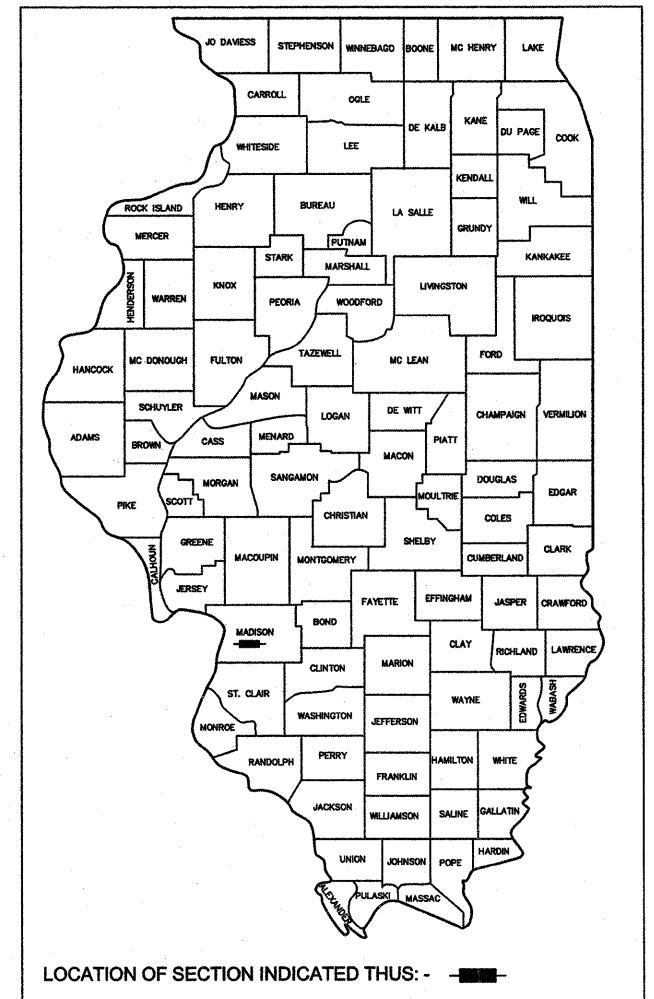
**NORTH RESEARCH DRIVE**  
DESIGN CLASSIFICATION = LOCAL ROAD  
DESIGN SPEED = 30 MPH  
CURRENT TRAFFIC (2009) = 800 A.D.T.  
DESIGN YEAR TRAFFIC (2029) = 2,000 A.D.T.

**UNIVERSITY PARK DRIVE**  
DESIGN CLASSIFICATION = COLLECTOR  
DESIGN SPEED = 35 MPH  
CURRENT TRAFFIC (2009) = 7,200 A.D.T.  
DESIGN YEAR TRAFFIC (2029) = 12,000 A.D.T.



**LOCATION MAP**

SCALE 1" = 2,000'  
NET LENGTH OF PROJECT (NORTH RESEARCH DRIVE) = 545 FEET (0.10 MILES)  
NET LENGTH OF PROJECT (UNIVERSITY PARK DRIVE) = 2,996 FEET (0.57 MILES)



**SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE**

APPROVED Kenneth R. Neher  
5/7/09  
Kenneth Neher, Vice Chancellor of Administration

PASSED [Signature]  
5/14/09  
District # 8 Engineer of Local Roads & Streets

RELEASING FOR BID BASED ON LIMITED REVIEW  
5/14/09  
Deputy Director of Highways, Region # 5 Engineer



LICENSE EXPIRES 11/30/2009  
ALAN J. GOEPFERT DATE: 5/16/09



SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
20100500	TREE REMOVAL, ACRES	ACRE	0.75
20200100	EARTH EXCAVATION	CU YD	5,539
20800150	TRENCH BACKFILL	CU YD	34
25000200	SEEDING, CLASS 2	ACRE	3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	270
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	270
25100115	MULCH, METHOD 2	ACRE	3
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	550
28000300	TEMPORARY DITCH CHECKS	EACH	23
28000400	PERIMETER EROSION BARRIER	FOOT	3,773
28000500	INLET AND PIPE PROTECTION	EACH	7
28100105	STONE RIPRAP, CLASS A3	SQ YD	18
28200200	FILTER FABRIC	SQ YD	18
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	5,383
30201500	LIME	TON	104
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	5,383
35100500	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	528
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	31
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	14
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	4,374
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	14
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	7,897
42400800	DETECTABLE WARNINGS	SQ FT	48
44000100	PAVEMENT REMOVAL	SQ YD	577
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	374
44000300	CURB REMOVAL	FOOT	43

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
44000400	GUTTER REMOVAL	FOOT	221
48101200	AGGREGATE SHOULDERS, TYPE B	TON	36
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	5,623
54207171	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	FOOT	14
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	78
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2
60255500	MANHOLES TO BE ADJUSTED	EACH	2
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24	FOOT	1,319
60618400	CONCRETE MEDIAN, TYPE C-4	SQ FT	1,074
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	24
72900200	METAL POST - TYPE B	FOOT	56
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	395
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	8
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	147
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	13,900
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	372
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	178
* 84200700	LIGHTING FOUNDATION REMOVAL	EACH	3
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3
* 87800300	CONCRETE FOUNDATION, TYPE E 24-INCH DIAMETER	FOOT	18
XX002012	RELOCATE SIGN, SPECIAL	EACH	1
XX005472	DRAINAGE STRUCTURE SPECIAL	EACH	4
X0320547	REMOVE AND REINSTALL END SECTION	EACH	1
X0323443	PRECAST MODULAR RETAINING WALL	SQ FT	185

\* DENOTES SPECIALITY ITEM

## GENERAL NOTES

1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. ILLINOIS LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48 HOURS ADVANCE NOTICE. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED BELOW.

2. ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 1.5 FEET CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.

3. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. ALL ARE MEMBERS OF J.U.L.I.E., UNLESS NOTED OTHERWISE.

SUE OFFICE OF INFORMATION TECHNOLOGY  
(TELEPHONE & COMMUNICATIONS)  
PO BOX 1068  
EDWARDSVILLE, IL 62026  
FAX: (618) 650-3333

SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE (WATER, SEWER & GAS)  
CAMPUS BOX 1039  
EDWARDSVILLE, IL 62026  
FAX: (618) 650-2595

CHARTER COMMUNICATIONS (CABLE TV)  
210 WEST DIVISION STREET  
MARYVILLE, IL 62062  
(618) 345-8121

AT&T (TELEPHONE)  
203 GOETHE STREET  
COLLINSVILLE, IL 62234  
(618) 348-6400

AMEREN IP (GAS & ELECTRIC)  
2600 NORTH CENTER  
MARYVILLE, IL 62062  
(618) 346-1287

4. THE ABOVE INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO THE LOCAL AGENCY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/her BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.

5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.

6. THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

7. THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES WITHIN THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.

8. THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.

9. THE CONTRACTOR SHALL CONTACT THE ENGINEER UPON COMPLETION OF THE SUBGRADE AND PRIOR TO THE LIME MODIFICATION PROCESS OR AGGREGATE BASE COURSE PLACEMENT TO DETERMINE THE NECESSITY OF THE PROPOSED SUBGRADE IMPROVEMENTS. IF THE SUBGRADE IS FOUND NOT TO REQUIRE REMEDIAL PROCEDURES, THE LIME MODIFICATION WILL NOT BE CONDUCTED.

10. ALL EXISTING ROADWAY FEATURES SUCH AS PAVEMENT, CURB, SIDEWALK, DRIVEWAY PAVEMENT, CULVERTS, HEADWALLS, RIPRAP, FENCING, RETAINING WALLS, ETC. WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE PLANS. ALL MISCELLANEOUS FEATURES WHICH ARE TO BE REMOVED AND FOR WHICH THERE IS NO SPECIFIC PAY ITEM, WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. THE COST OF THIS REMOVAL WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE VARIOUS REMOVAL ITEMS INCLUDED IN THE CONTRACT.

11. STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS IS THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER SHALL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLE 660.09 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.

12. THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES AND PIPES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.

13. ALL DRAINAGE STRUCTURES CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER AT THE END OF EACH WORKING DAY AND AT THE TIME OF FINAL INSPECTION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS DRAINAGE STRUCTURE ITEMS INCLUDED IN THE CONTRACT.

14. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.

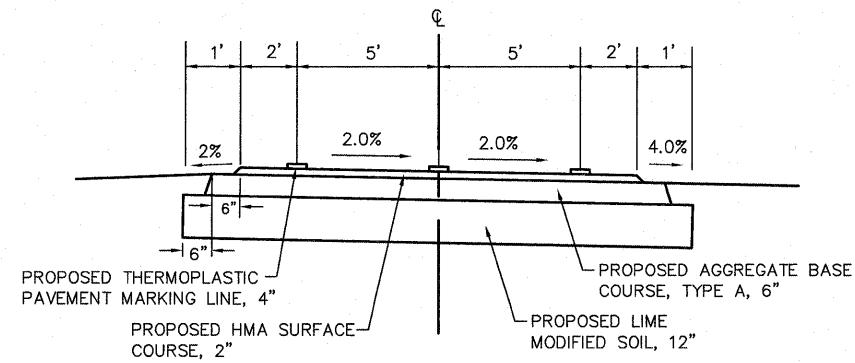
15. THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

FES	FLARED END SECTION
AD	ALGEBRAIC DIFFERENCE IN GRADE
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION
BVCS	BEGINNING OF VERTICAL CURVE STATION
BO	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
CONSTR	CONSTRUCTION
CP	CONTROL POINT
ESMT	EASEMENT
ELEV	ELEVATION
EVCE	END OF VERTICAL CURVE ELEVATION
EVCS	END OF VERTICAL CURVE STATION
K	LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
N/F	NOW OR FORMERLY
O/C	OIL AND CHIP
PERM	PERMANENT
PVI	POINT OF VERTICAL INTERSECTION
PVC	POLYVINYL CHLORIDE PIPE
TCE	TEMPORARY CONSTRUCTION EASEMENT
TUP	TEMPORARY USE PERMIT
TBA	TO BE ADJUSTED
TBR	TO BE RELOCATED
TYP	TYPICAL
W	WIDTH

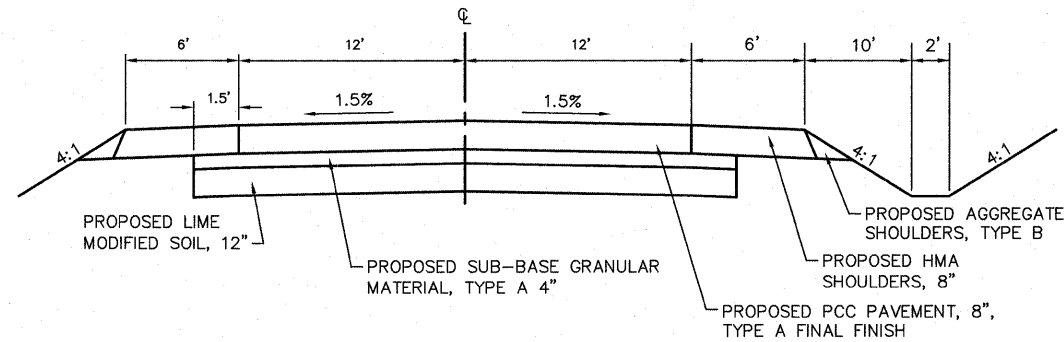
## COMMITMENTS

NONE

FILE NAME = 519SQ01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	SUMMARY OF QUANTITIES & GENERAL NOTES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - SW3	REVISED -						05-00005-00-RP	MADISON	42	2	
	PLOT SCALE = 1" = 1'	CHECKED - AJG	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 97384				
	PLOT DATE = 2009-05-07	DATE - 2009-03-04	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 97384							

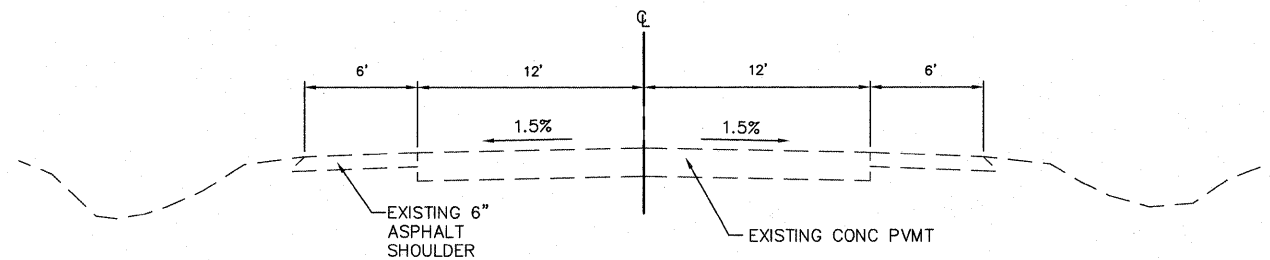


**PROPOSED BIKE TRAIL SPUR**



**PROPOSED TYPICAL SECTION**

NORTH RESEARCH DRIVE  
STA. 8+14.28 TO STA. 13+58.91



**EXISTING TYPICAL SECTION**

NORTH RESEARCH DRIVE

**NORTH RESEARCH DRIVE**

STRUCTURAL DESIGN TRAFFIC: Year 2029  
 PV = 858 SU = 68 MU = 49  
 ROAD/STREET CLASSIFICATION: Class III  
 PERCENTAGE OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 50% S = 50% M = 50%  
 TRAFFIC FACTOR: Actual TF = 0.36  
 Minimum TF = 0.50  
 SUBGRADE SUPPORT RATING  
 SSR = Poor (Sta. 8+14.28 to 13+58.91)

**UNIVERSITY PARK DRIVE**

STRUCTURAL DESIGN TRAFFIC: Year 2029  
 PV = 8,923 SU = 279 MU = 93  
 ROAD/STREET CLASSIFICATION: Class II  
 PERCENTAGE OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 50% S = 50% M = 50%  
 TRAFFIC FACTOR: Actual TF = 1.00  
 SUBGRADE SUPPORT RATING  
 SSR = Poor (Sta. 5+00.00 to 34+96.00)

**HMA MIXTURE TABLE**

MIXTURE USE	SHOULDERS
AC/PG	PG 58-22
RAP % (MAX)	20%
DESIGN AIR VOIDS	2.0% Ndes = 30
MIX COMPOSITION (GRADATION)	
FRICITION AGG.	BAM

**NOTES:**

- SEE CROSS SECTIONS FOR VARIABLE EARTH SLOPES AND DIMENSIONS
- PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED), SHALL BE CONSTRUCTED WITH SAWED TRANSVERSE CONTRACTION JOINTS SPACED AT 15' IN ACCORDANCE WITH HIGHWAY STANDARD 420101.
- SAWED CONTRACTION JOINTS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 420.12 OF THE "STANDARD SPECIFICATIONS". ANY EXCESS MATERIAL ON THE PAVEMENT SURFACE SHALL BE REMOVED IMMEDIATELY AND THE SURFACE CLEANED TO THE SATISFACTION OF THE ENGINEER.

FILE NAME = 519TS00.DWG

USER NAME = SAM WRIGLEY  
 DESIGNED - TLC  
 DRAWN - TJN  
 PLOT SCALE = 1' = 1'  
 CHECKED - AJG  
 PLOT DATE = 2009-05-07  
 DATE - 2009-03-02

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**SOUTHERN ILLINOIS UNIVERSITY  
 EDWARDSVILLE**

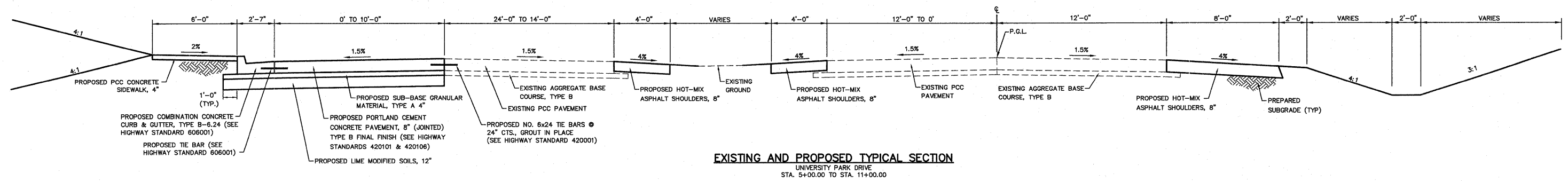
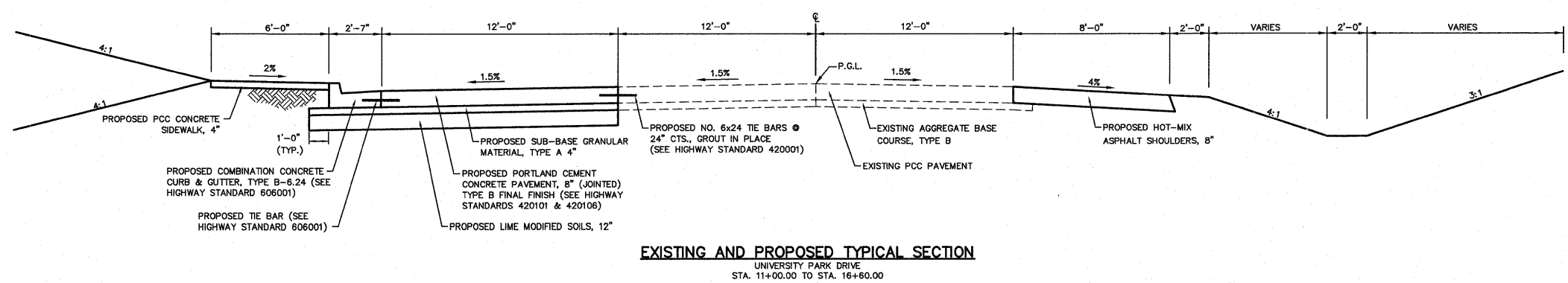
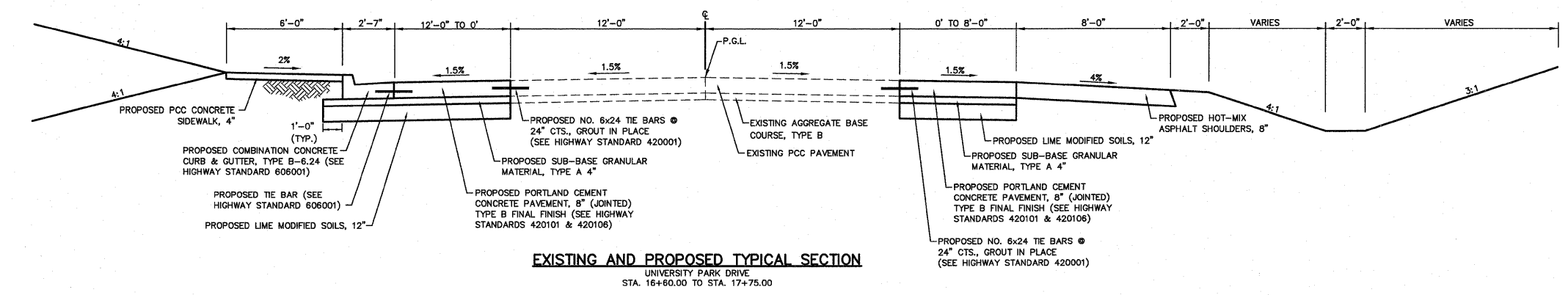
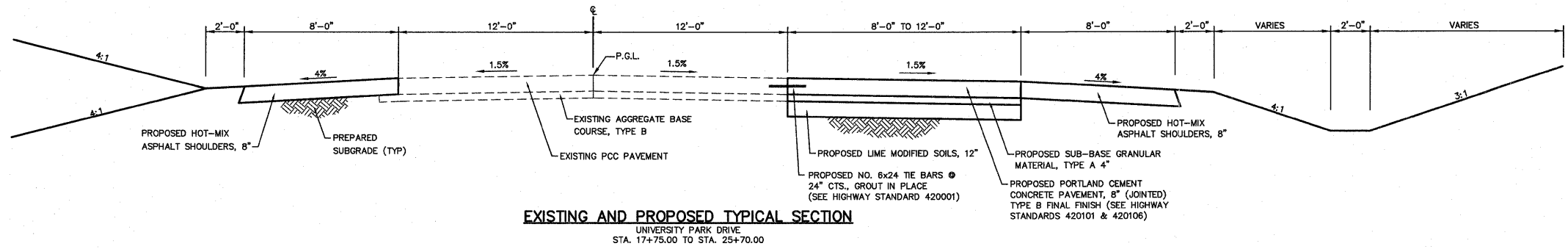
**TYPICAL SECTIONS  
 NORTH RESEARCH DRIVE**

SCALE: SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	05-00005-00-RP	MADISON	42	3
CONTRACT NO. 91384				

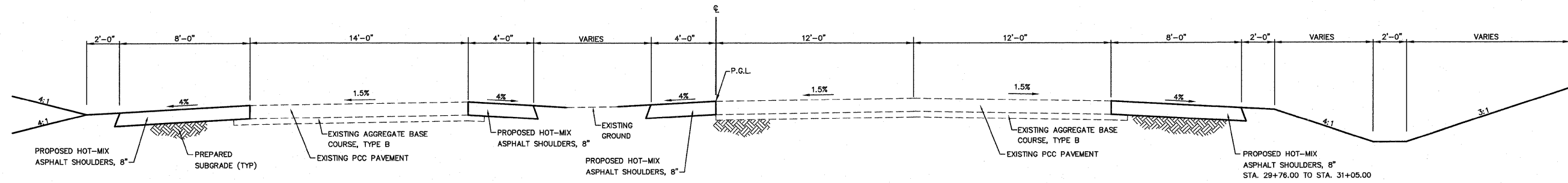
**NOTES:**

- SEE CROSS SECTIONS FOR VARIABLE EARTH SLOPES AND DIMENSIONS
- PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED), SHALL BE CONSTRUCTED WITH SAWED TRANSVERSE CONTRACTION JOINTS ACCORDING TO HIGHWAY STANDARD 420001. JOINTS SHALL BE SPACED AT 20' IN PROLONGATION WITH EXISTING TRANSVERSE PAVEMENT JOINTS.
- SAWED CONTRACTION JOINTS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 420.12 OF THE "STANDARD SPECIFICATIONS". ANY EXCESS MATERIAL ON THE PAVEMENT SURFACE SHALL BE REMOVED IMMEDIATELY AND THE SURFACE CLEANED TO THE SATISFACTION OF THE ENGINEER.

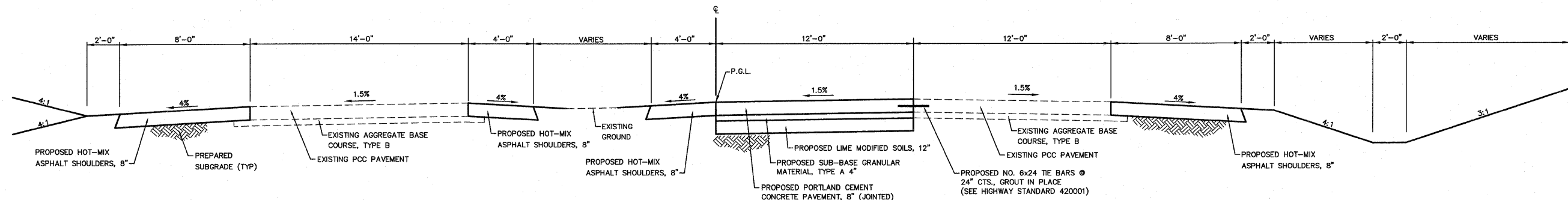


FILE NAME = 519TS00.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>TYPICAL SECTIONS UNIVERSITY PARK DRIVE</b>			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJN	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	05-00005-00-RP	MADISON	42	4	
		CHECKED - AJG	REVISED -					CONTRACT NO. 91384				
		DATE - 2009-03-02	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

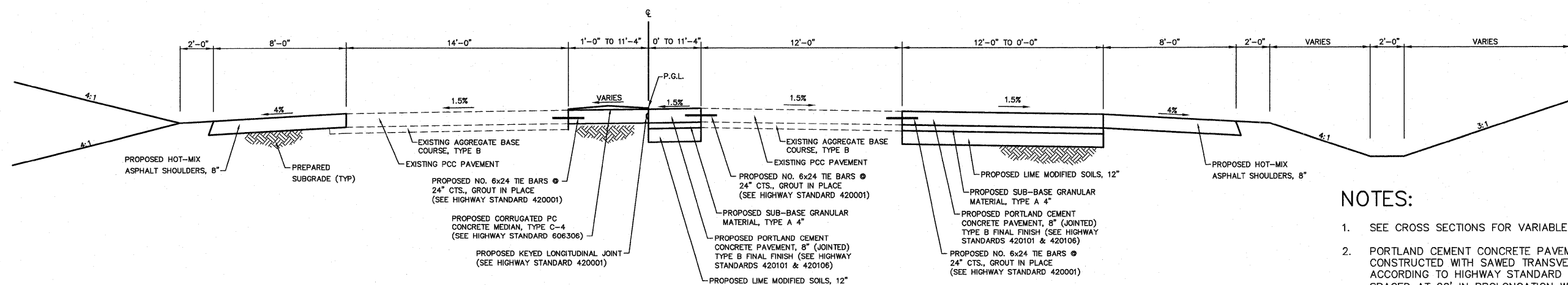




**EXISTING AND PROPOSED TYPICAL SECTION**  
UNIVERSITY PARK DRIVE  
STA. 29+76.00 TO STA. 34+96.00



**EXISTING AND PROPOSED TYPICAL SECTION**  
UNIVERSITY PARK DRIVE  
STA. 28+00.00 TO STA. 29+76.00



**EXISTING AND PROPOSED TYPICAL SECTION**  
UNIVERSITY PARK DRIVE  
STA. 25+70.00 TO STA. 28+00.00

**NOTES:**

1. SEE CROSS SECTIONS FOR VARIABLE EARTH SLOPES AND DIMENSIONS
2. PORTLAND CEMENT CONCRETE PAVEMENT, 8" (JOINTED), SHALL BE CONSTRUCTED WITH SAWED TRANSVERSE CONTRACTION JOINTS ACCORDING TO HIGHWAY STANDARD 420001. JOINTS SHALL BE SPACED AT 20' IN PROLONGATION WITH EXISTING TRANSVERSE PAVEMENT JOINTS.
3. SAWED CONTRACTION JOINTS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 420.12 OF THE "STANDARD SPECIFICATIONS". ANY EXCESS MATERIAL ON THE PAVEMENT SURFACE SHALL BE REMOVED IMMEDIATELY AND THE SURFACE CLEANED TO THE SATISFACTION OF THE ENGINEER.

FILE NAME = 519TS00.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - TJN	REVISED -
	PLOT SCALE = 1" = 1'	CHECKED - AJG	REVISED -
	PLOT DATE = 2009-05-07	DATE - 2009-03-02	REVISED -



TYPICAL SECTIONS		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
UNIVERSITY PARK DRIVE			05-00005-00-RP	MADISON	42	5
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 971384

**PAVEMENT MARKING SCHEDULE**

STATION	STATION	THPL PVT MK LINE 4 (NOTE 1) 78000200 (FOOT)	THPL PVT MK LINE 12 (NOTE 1) 78000600 (FOOT)	PAINT PVT MK LTRS & SYMB (NOTE 1) 78001100 (SQ FT)	PAINT PVT MK LINE 4 (NOTE 1) 78001110 (FOOT)	PAINT PVT MK LINE 12 (NOTE 1) 78001150 (FOOT)	PAINT PVT MK LINE 24 (NOTE 1) 78001180 (FOOT)
NORTH RESEARCH DRIVE							
8+14.28	13+58.91	395	8		1225	48	84
UNIVERSITY PARK DRIVE							
5+00.00	34+96.00			147	12675	324	94
<b>TOTAL</b>		<b>395</b>	<b>8</b>	<b>147</b>	<b>13900</b>	<b>372</b>	<b>178</b>

PAVEMENT MARKING NOTES:  
1. SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.

**SEEDING SCHEDULE**

STATION	STATION	SEEDING CL 2 25000200 (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 ACRES
NORTH RESEARCH DRIVE						
8+14.28	13+58.91	1.0	90	90	90	1.00
UNIVERSITY PARK DRIVE						
5+00.00	34+96.00	2.0	180	180	180	2.00
<b>TOTAL</b>		<b>3.0</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>3.0</b>

**EROSION CONTROL SCHEDULE**

STATION	STATION	TEMP EROS CONTR SEED 28000250 (POUND)	TEMP DITCH CHECKS 28000300 (EACH)	PERIMETER EROS BAR 28000400 (FOOT)	INLET & PIPE PROTECTION 28000500 (EACH)
NORTH RESEARCH DRIVE					
8+14.28	13+58.91	150	12	585	1
UNIVERSITY PARK DRIVE					
5+00.00	34+96.00	400	11	3188	6
<b>TOTAL</b>		<b>550</b>	<b>23</b>	<b>3773</b>	<b>7</b>

**ENTRANCE SCHEDULE**

STATION (NOTE 1)	OFFSET	ENTRANCE TYPE	ENTRANCE WIDTH "W" (NOTE 1) (FOOT)	ENTRANCE DEPTH "D" (FOOT)	EXISTING SURFACE TYPE	AGG BASE CSE A 6 (SQ YD)	INCIDENTAL HMA SURF (NOTE 2) (TON)	PCC DRIVEWAY PAVT 6 (SQ YD)	DRIVE PAVEMENT REM (SQ YD)
UNIVERSITY PARK DRIVE									
12+58	LT	F.E.	16	28	AGGREGATE	50		14	
15+22	LT	C.E.	24	20	ASPHALT	72	5		157
17+75	LT	C.E.	24	29	ASPHALT	96	6		156
27+11	LT	C.E.	16	4	ASPHALT	7	1		34
28+10	LT	C.E.	16	4	ASPHALT	8	1		27
<b>TOTAL</b>						<b>233</b>	<b>13</b>	<b>14</b>	<b>374</b>

ENTRANCE NOTES:  
1. PRIOR TO CONSTRUCTION, THE ENGINEER WILL CONTACT EACH PROPERTY OWNER AND VERIFY THE LOCATION AND WIDTH OF ALL ENTRANCES. THE CONTRACTOR SHALL CONFIRM THE FINAL LOCATIONS AND WIDTHS WITH THE ENGINEER PRIOR TO CONSTRUCTION.  
2. INCIDENTAL HMA SURFACING QUANTITY IS CALCULATED AT A RATE OF 112 LB / SQ YD / IN. BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT) ARE REQUIRED BUT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. THE COST FOR BITUMINOUS MATERIALS AND AGGREGATE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HMA SURFACING.  
3. DEPRESSED CURB AND GUTTER THROUGH ENTRANCES SHALL BE MEASURED FOR PAYMENT AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.

**PAVEMENT SCHEDULE**

STATION	STATION	PROCESS MOD SOIL 12 (SQ YD)	LIME (NOTE 1) 30201500 (TON)	SUB GRAN MAT A 4 (SQ YD)	AGG BASE CSE A 6 (SQ YD)	HMA SC "C" N30 (TON)	PCC PVT 8 JOINTED (SQ YD)	PAVEMENT REM (SQ YD)	AGGREGATE SHLDS B (TON)	HMA SHOULDERS 8 (SQ YD)
NORTH RESEARCH DRIVE										
8+14.28	13+58.91	1949	38	1949	295	31	1453	384	36	699
UNIVERSITY PARK DRIVE										
5+00.00	34+96.00	3434	66	3434			2921	193		4924
<b>TOTAL</b>		<b>5383</b>	<b>104</b>	<b>5383</b>	<b>295</b>	<b>31</b>	<b>4374</b>	<b>577</b>	<b>36</b>	<b>5623</b>

PAVEMENT NOTES:  
1. LIME QUANTITY IS CALCULATED USING AN ASSUMED RATE OF 38.5 LB / SQ YD. THE ACTUAL LIME APPLICATION RATE WILL BE DETERMINED BY THE ENGINEER AND WILL BE BASED ON TESTS OF LIME AND SOIL SAMPLES PROVIDED BY THE ENGINEER.

**CURB, GUTTER & MEDIAN SCHEDULE**

STATION	STATION	OFFSET	CURB REM 44000300 (FOOT)	GUTTER REM 44000400 (FOOT)	COMB CC&G TB6.24 60605000 (FOOT)	CONC MED TC4 60618400 (SQ FT)
UNIVERSITY PARK DRIVE						
18+33	-	71' LT	10			
18+37	-	95' LT	10			
18+30	-	158' LT	10			
27+01	-	28' LT	7			
27+21	-	30' LT	6			
14+71	15+10	LT		55		
15+34	15+74	LT		55		
17+27	17+64	LT		56		
17+86	18+22	LT		55		
5+15	18+05	LT			1319	
25+96	28+00	LT				1074
<b>TOTAL</b>			<b>43</b>	<b>221</b>	<b>1319</b>	<b>1074</b>

**SIDEWALK SCHEDULE**

STATION	STATION	OFFSET	PC CONC SIDEWALK 4 (NOTE 1) 42400100 (SQ FT)	DETECTABLE WARNING 42400800 (SQ FT)
UNIVERSITY PARK DRIVE				
5+00.00	18+50	LT	7897	48
<b>TOTAL</b>			<b>7897</b>	<b>48</b>

SIDEWALK NOTES:  
1. SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED ARE REQUIRED. SEE PLAN SHEETS FOR LOCATIONS AND TYPES. SEE HIGHWAY STANDARD 424001 AND THE CONSTRUCTION DETAILS IN THE PLANS FOR SIDEWALK RAMP DETAILS.

**TREE REMOVAL SCHEDULE**

STATION	STATION	TREE REMOV 20100500 (ACRE)
NORTH RESEARCH DRIVE		
8+14.28	13+58.91	0.75
<b>TOTAL</b>		<b>0.75</b>

**SIGN SCHEDULE**

STATION	OFFSET	SIGN PANEL T1 72000100 (SQ FT)	METAL POST TB 72900200 (FOOT)
NORTH RESEARCH DRIVE			
8+40	RT	6	14
8+90	LT	6	14
UNIVERSITY PARK DRIVE			
11+50	RT	6	14
26+00	LT	6	14
<b>TOTAL</b>		<b>24</b>	<b>56</b>

**EARTHWORK SCHEDULE**

STATION	STATION	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1) (CU YD)	EMBANKMENT (NOTE 2) (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (NOTE 3) (CU YD)
NORTH RESEARCH DRIVE					
8+14.28	13+58.91	2852	2139	637	1502
BIKE TRAIL SPUR					
40+00.00	41+75.00	15		91	
UNIVERSITY PARK DRIVE					
5+00.00	30+00.00	2452	1839	2861	-1022
30+00.00	34+96.00	220			
<b>TOTAL</b>		<b>5539</b>	<b>3978</b>	<b>3589</b>	<b>480</b>

EARTHWORK NOTES:  
1. ESTIMATED SHRINKAGE FACTOR = 25%.  
2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.  
3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

FILE NAME = 519SC01.DWG

USER NAME = SAM WRIGLEY  
DESIGNED - TLC  
DRAWN - SW3  
PLOT SCALE = 1' = 1'  
PLOT DATE = 2009-05-07  
CHECKED - AJG  
DATE - 2009-03-04



**SCHEDULES**

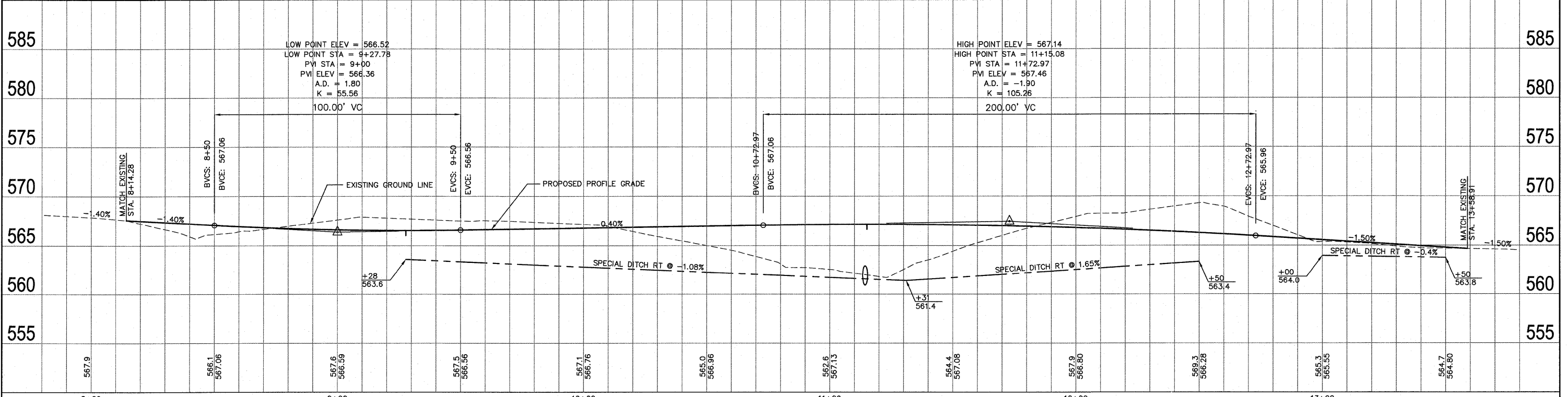
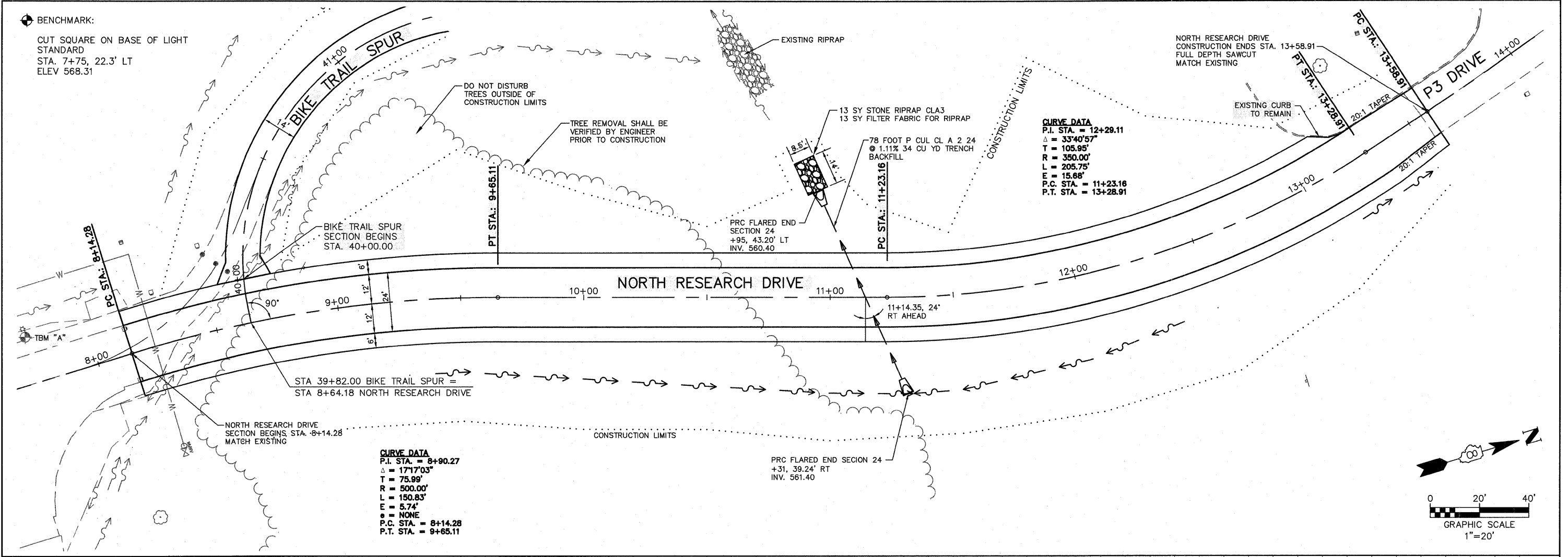
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F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
05-00005-00-RP MADISON 42 6  
CONTRACT NO. 91384  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

BENCHMARK:  
 CUT SQUARE ON BASE OF LIGHT  
 STANDARD  
 STA. 7+75, 22.3' LT  
 ELEV 568.31

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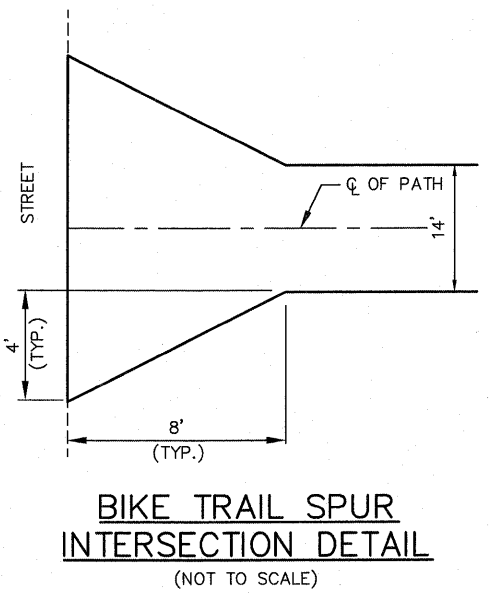
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FILE NAME = 519PP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	SOUTHERN ILLINOIS UNIVERSITY <b>EDWARDSVILLE</b>		PLAN PROFILE SHEETS NORTH RESEARCH DRIVE		F.A. RTE. =	SECTION = 05-00005-00-RP	COUNTY = MADISON	TOTAL SHEETS = 42	SHEET NO. = 7
PLOT SCALE = 1" = 1'	CHECKED - TLC	DATE = 2008-02-25	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. =	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 97384		

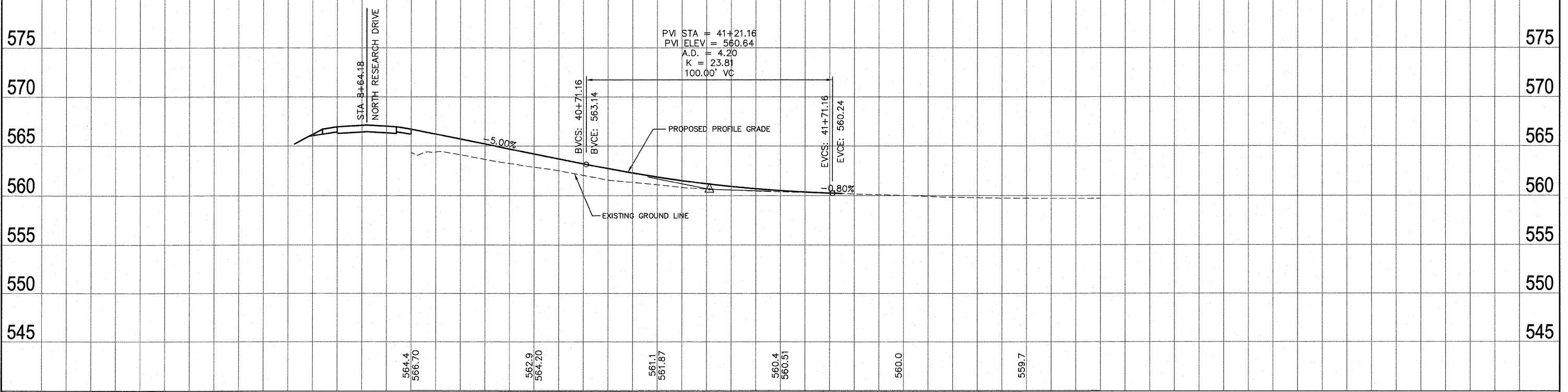
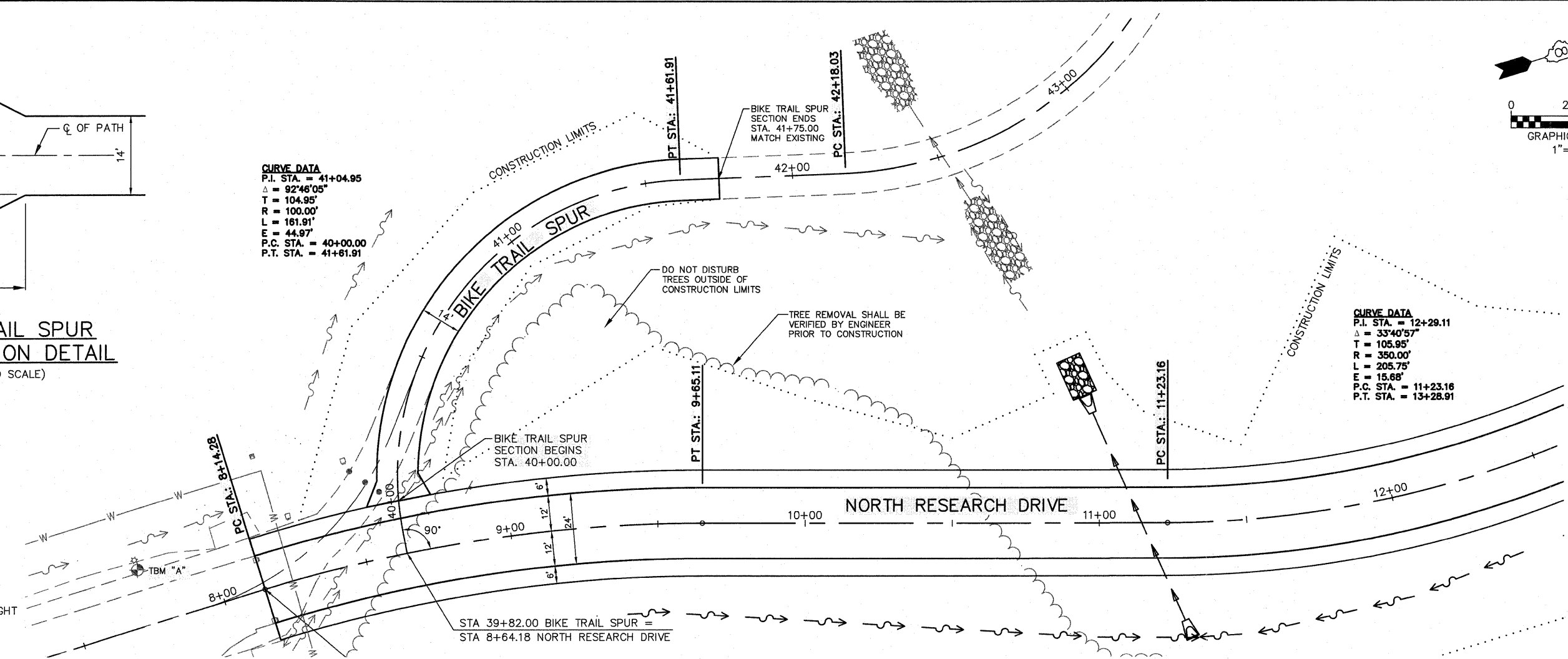
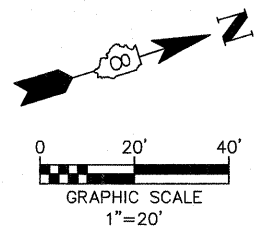
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**CURVE DATA**  
 P.I. STA. = 41+04.95  
 $\Delta = 92^{\circ}46'05''$   
 T = 104.95'  
 R = 100.00'  
 L = 161.91'  
 E = 44.97'  
 P.C. STA. = 40+00.00  
 P.T. STA. = 41+61.91

**CURVE DATA**  
 P.I. STA. = 12+29.11  
 $\Delta = 33^{\circ}40'57''$   
 T = 105.95'  
 R = 350.00'  
 L = 205.75'  
 E = 15.68'  
 P.P. STA. = 11+23.16  
 P.T. STA. = 13+28.91



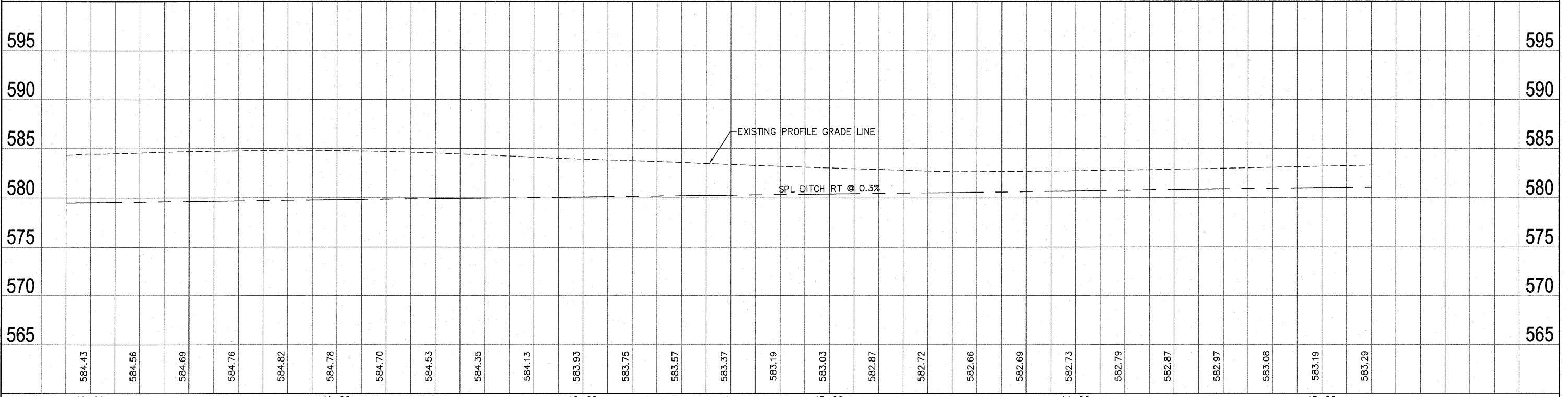
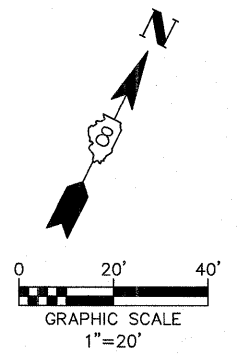
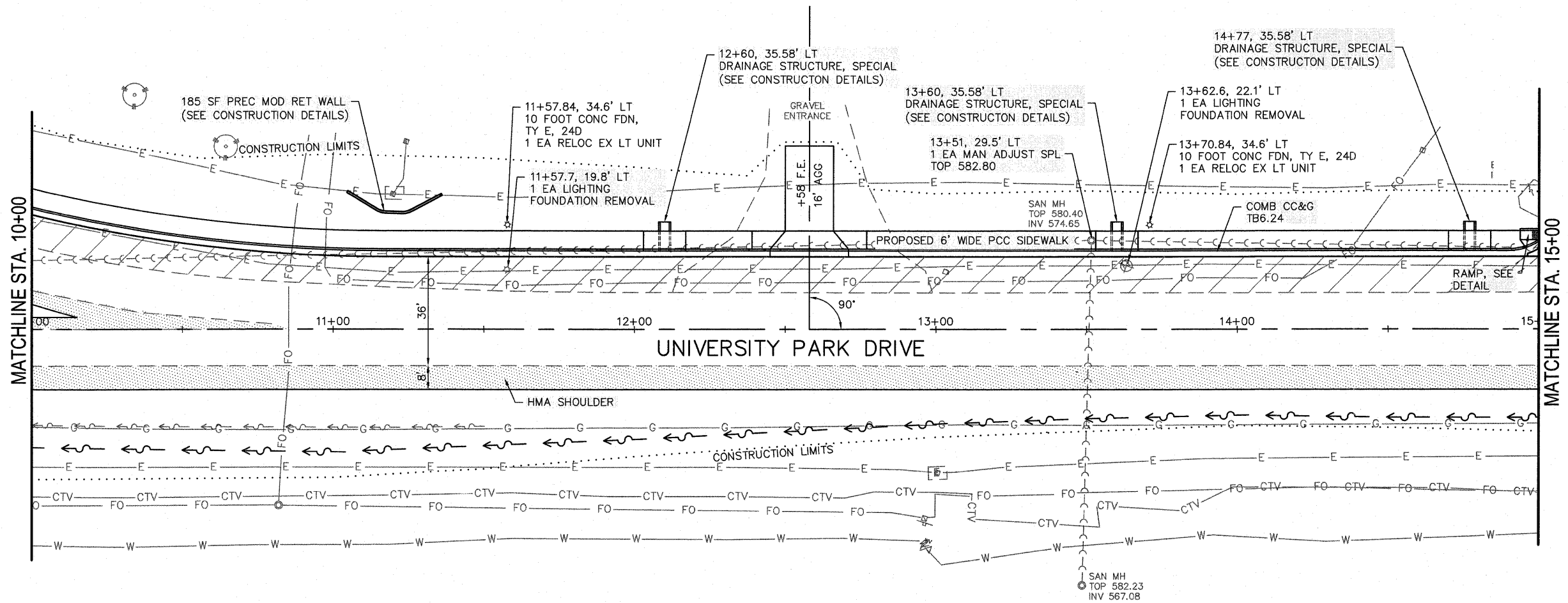
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PLOT SCALE = 1" = 1'	CHECKED - TLC	REVISED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	05-0005-00-RP	MADISON	42	8
PLOT DATE = 2009-05-07	DATE - 2008-02-25	REVISED -	REVISED -								CONTRACT NO. 91384





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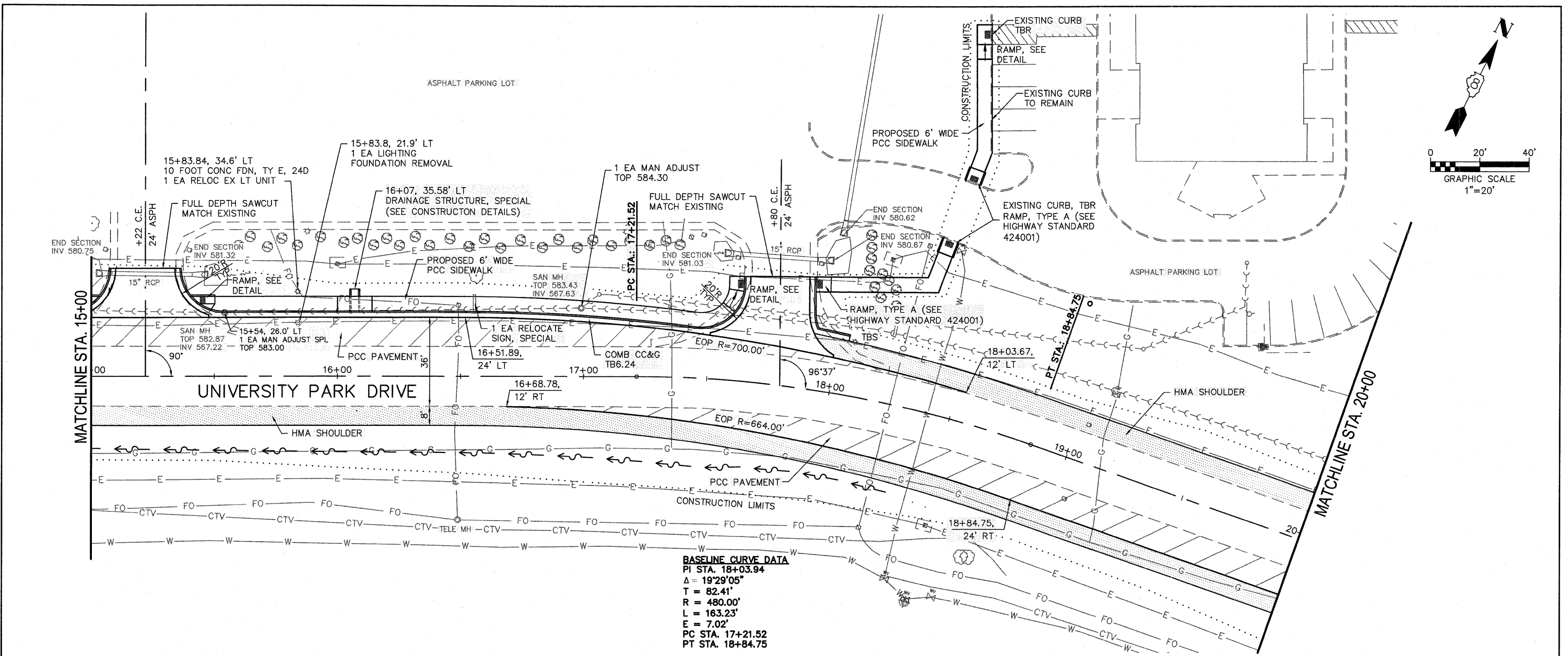
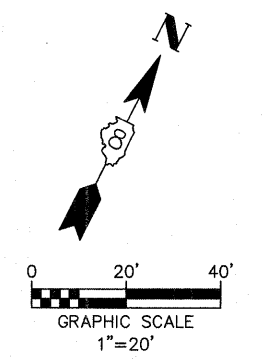


FILE NAME = 519PP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	PLAN PROFILE SHEETS UNIVERSITY PARK DRIVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	10	
	PLOT SCALE = 1" = 1'	CHECKED - TLC	REVISED -				SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 97384		
	PLOT DATE = 2009-05-07	DATE - 2008-02-25	REVISED -							ILLINOIS FED. AID PROJECT		

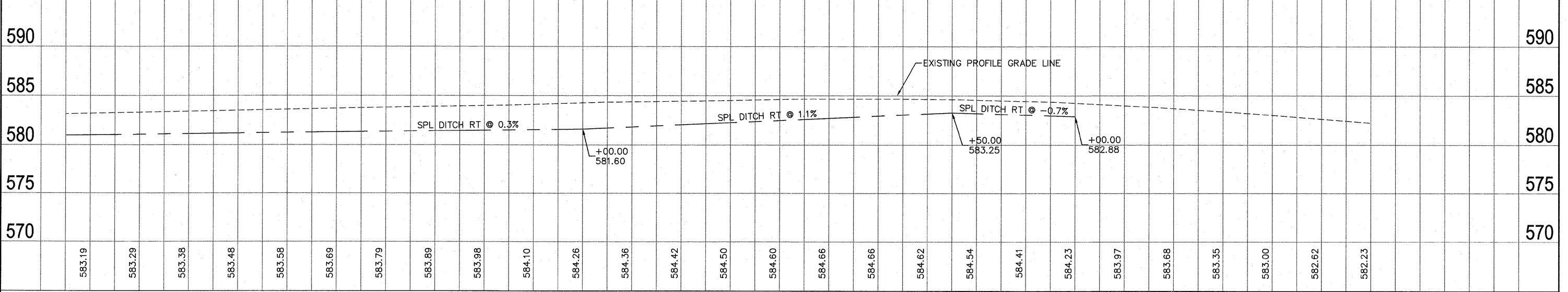


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**BASELINE CURVE DATA**  
 PI STA. 18+03.94  
 $\Delta = 19^{\circ}29'05''$   
 $T = 82.41'$   
 $R = 480.00'$   
 $L = 163.23'$   
 $E = 7.02'$   
 PC STA. 17+21.52  
 PT STA. 18+84.75



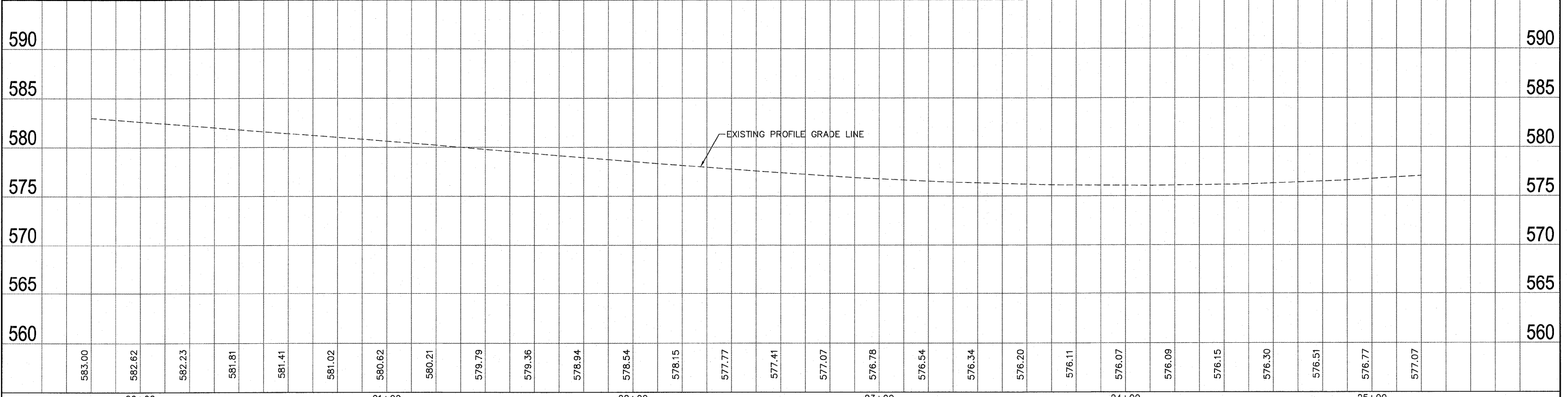
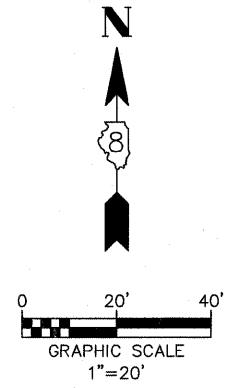
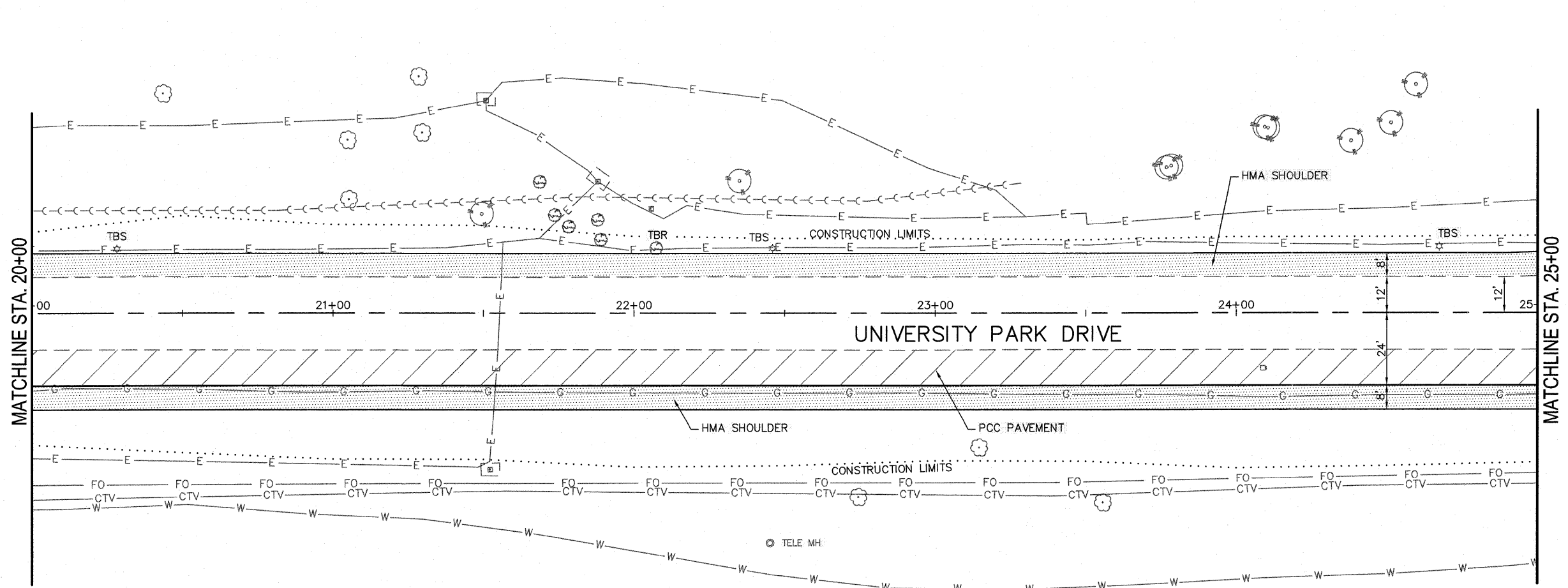
FILE NAME = 519PP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	17+00	18+00	19+00	20+00
		DRAWN - SW3	REVISED -				
		CHECKED - TLC	REVISED -				
		DATE - 2008-02-25	REVISED -				



SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		F.A. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
								05-00005-00-RP		MADISON		42		11	
								ILLINOIS		FED. AID PROJECT		CONTRACT NO. 91304			

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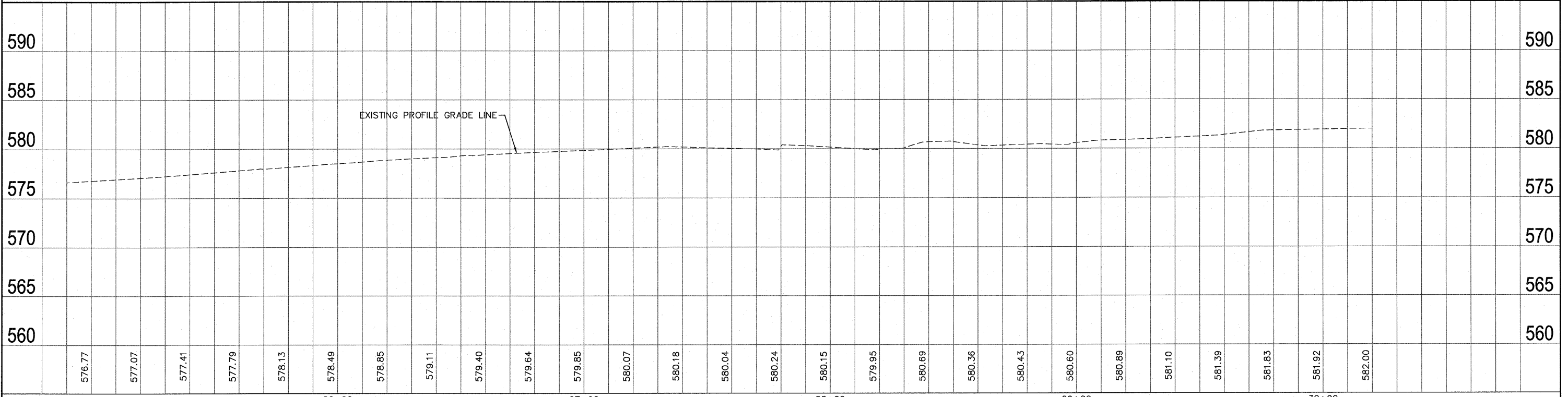
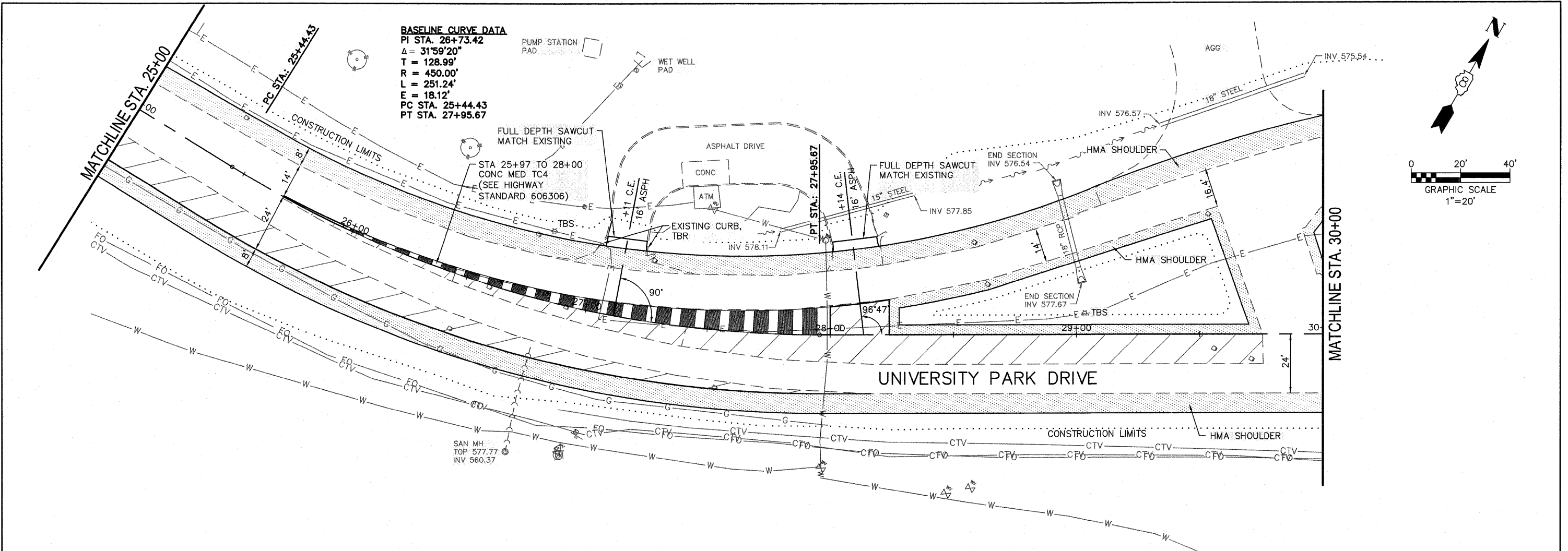
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FILE NAME = 519PP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	PLAN PROFILE SHEETS UNIVERSITY PARK DRIVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	12	
		CHECKED - TLC	REVISED -									CONTRACT NO. 01384
		DATE - 2008-02-25	REVISED -									

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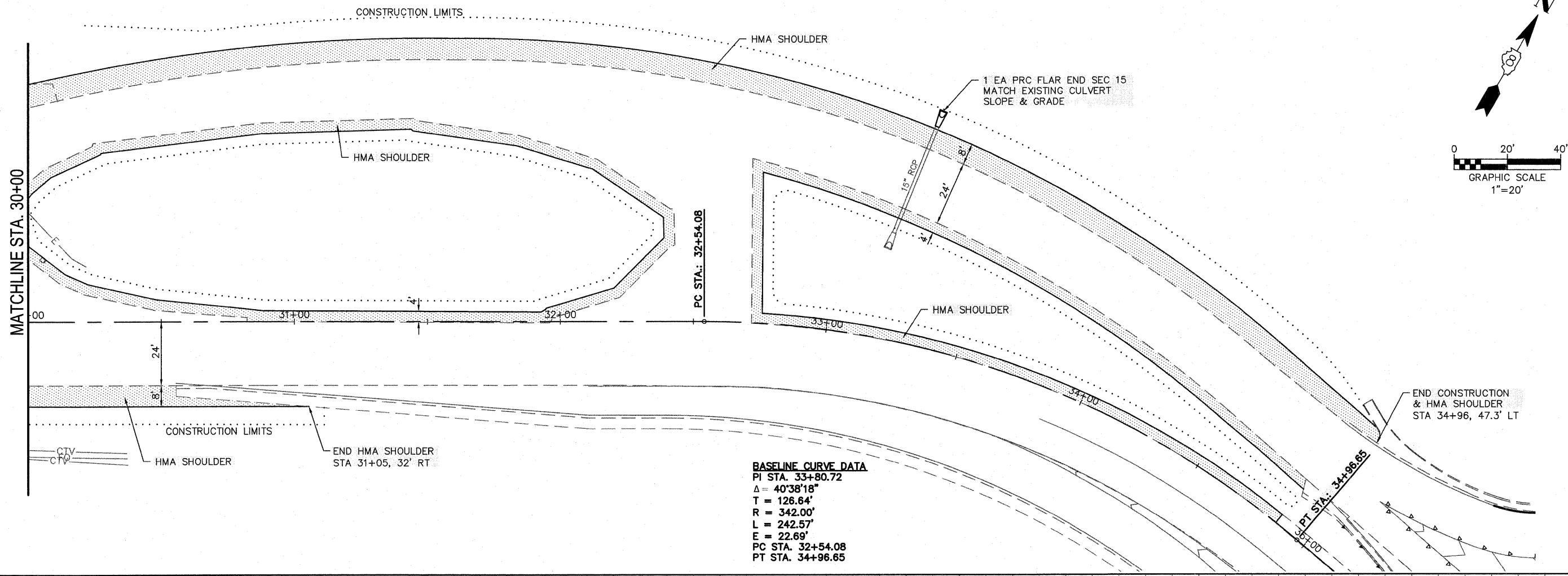
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REVISIONS	
NO.	DESCRIPTION
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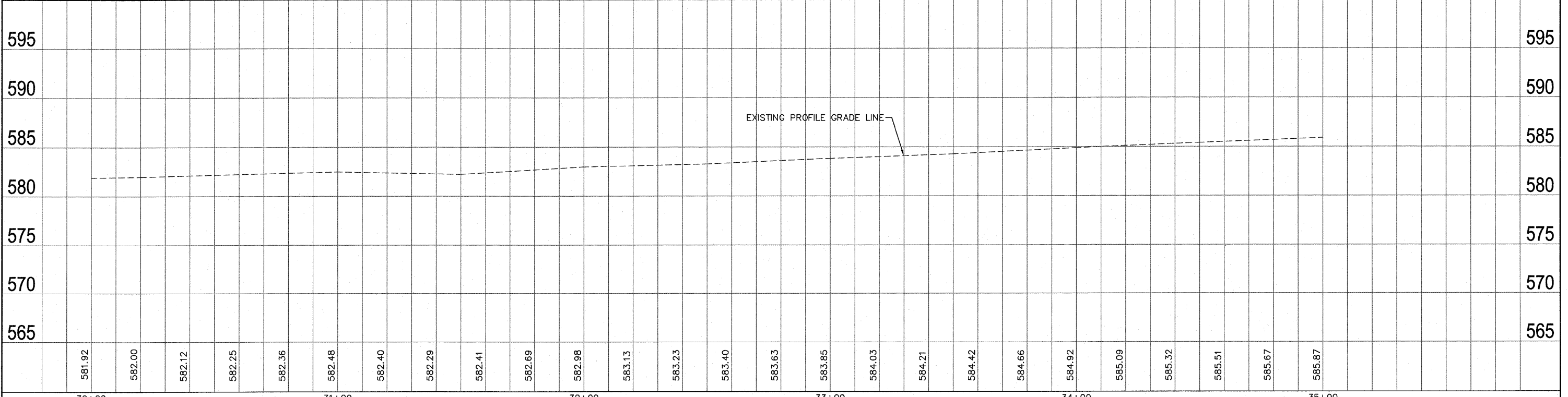
FILE NAME = 519PP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>PLAN PROFILE SHEETS UNIVERSITY PARK DRIVE</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 1'	DRAWN - SW3	REVISED -			05-00005-00-RP	MADISON	42	13	
	PLOT DATE = 2009-05-07	CHECKED - TLC	REVISED -			CONTRACT NO. 97384				
	DATE = 2008-02-25	REVISED -				ILLINOIS FED. AID PROJECT				

DATE	
BY	
DESIGNED	
PLANNED	
ALIGNED	
CHECKED	
NOTED	
FILE NAME	

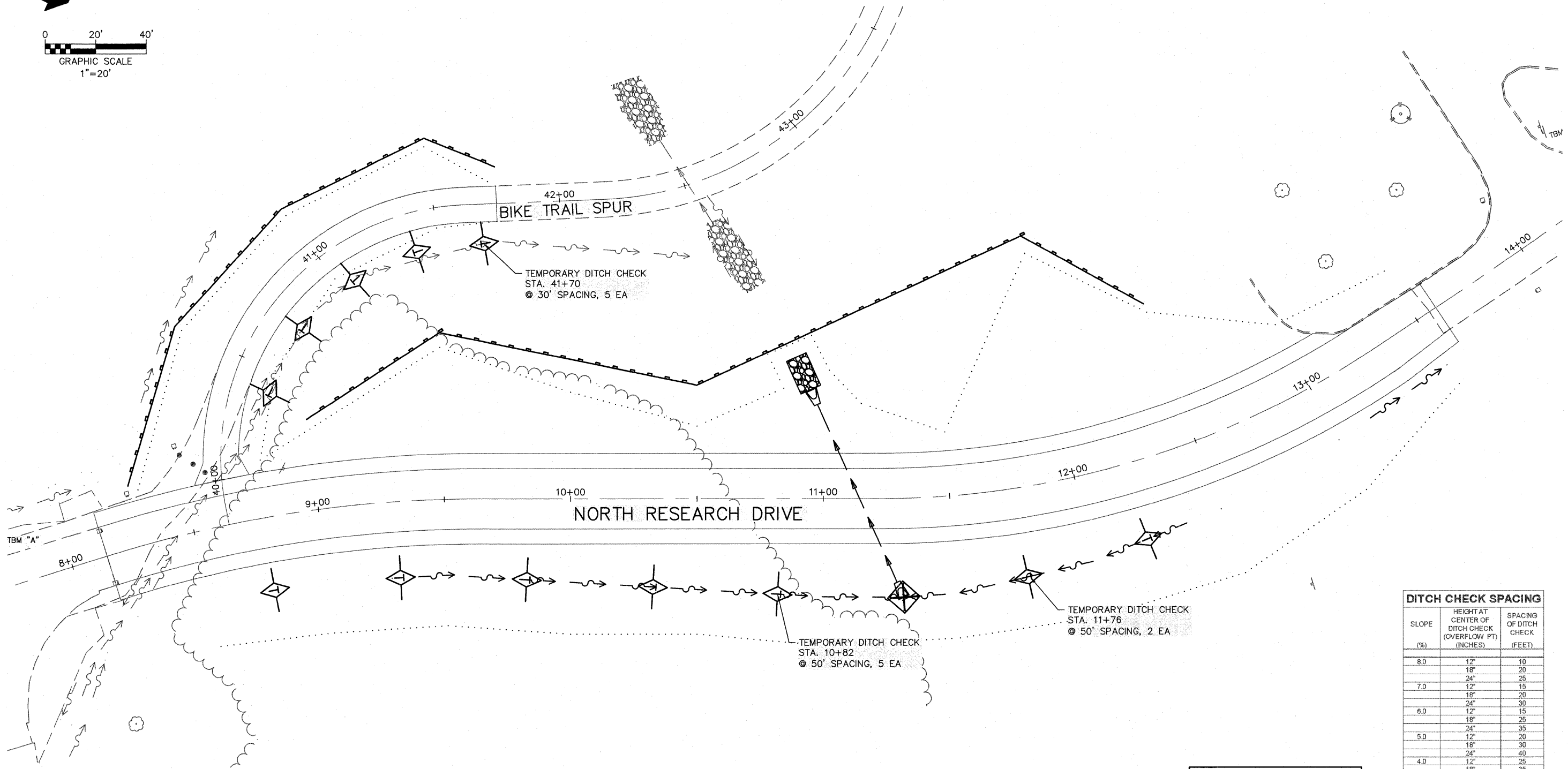
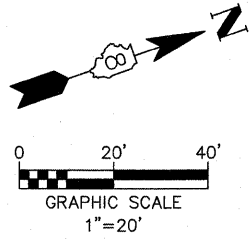
DATE	
BY	
DESIGNED	
PLANNED	
CHECKED	
NOTED	
FILE NAME	



**BASILINE CURVE DATA**  
 PI STA. 33+80.72  
 $\Delta = 40^{\circ}38'18''$   
 T = 126.64'  
 R = 342.00'  
 L = 242.57'  
 E = 22.69'  
 PC STA. 32+54.08  
 PT STA. 34+96.65



FILE NAME = 519PP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>PLAN PROFILE SHEETS UNIVERSITY PARK DRIVE</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SW3	REVISED -						05-00005-00-RP	MADISON	42	14	
		CHECKED - TLC	REVISED -						CONTRACT NO. 91324				
		DATE - 2008-02-25	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW FT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
7.0	12"	15
	18"	20
6.0	12"	15
	18"	25
	24"	30
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0	12"	100
	18"	150
& UNDER	24"	195

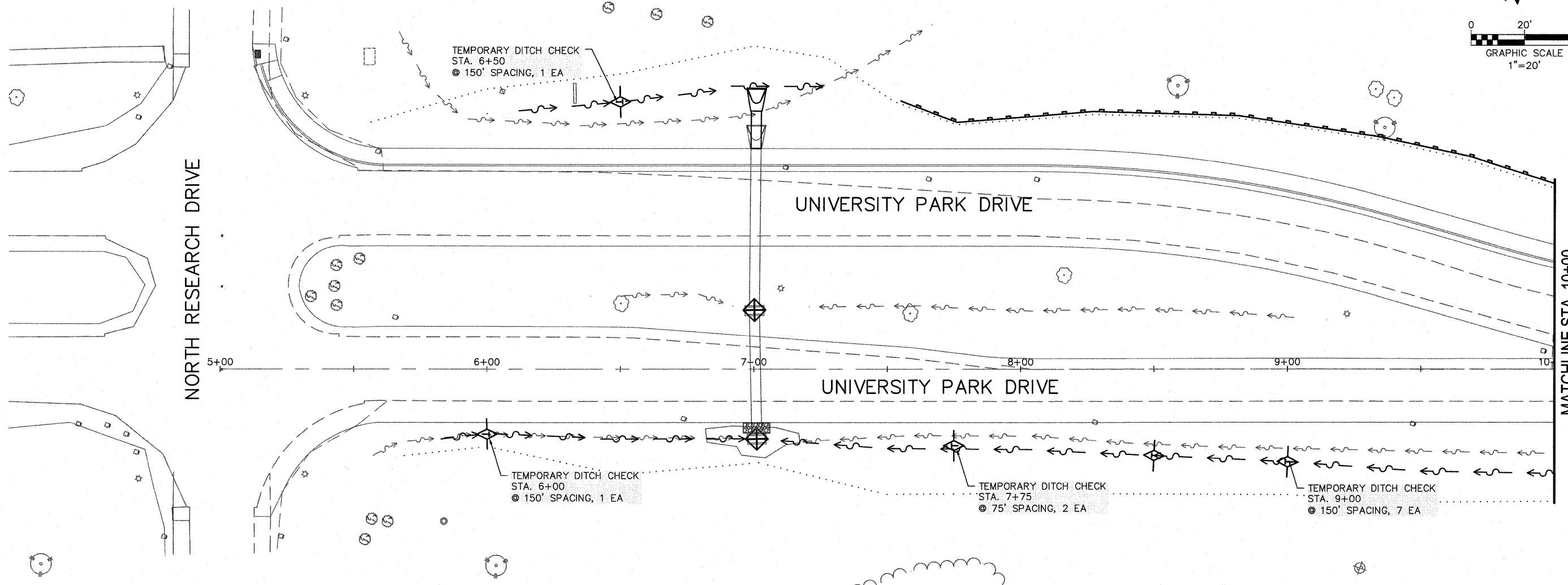
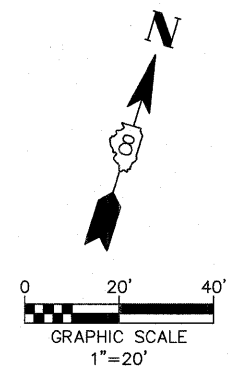
**LEGEND**

- INLET CHECK
- DITCH CHECK
- SILT FENCE

FILE NAME = 519SWPPP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - SW3	REVISED -
		CHECKED - AJG	REVISED -
		DATE - 2009-03-04	REVISED -
PLOT SCALE = 1' = 1'			
PLOT DATE = 2009-05-07			

**SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE**

<b>EROSION CONTROL PLANS</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					05-00005-00-RP	MADISON	42	15
				CONTRACT NO. 97284				
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0	12"	100
	18"	150
& UNDER	24"	195

**LEGEND**

- INLET CHECK
- DITCH CHECK
- SILT FENCE

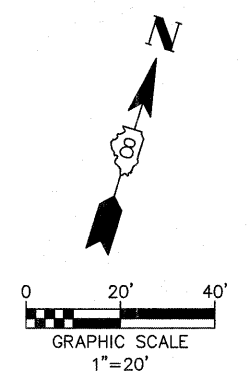
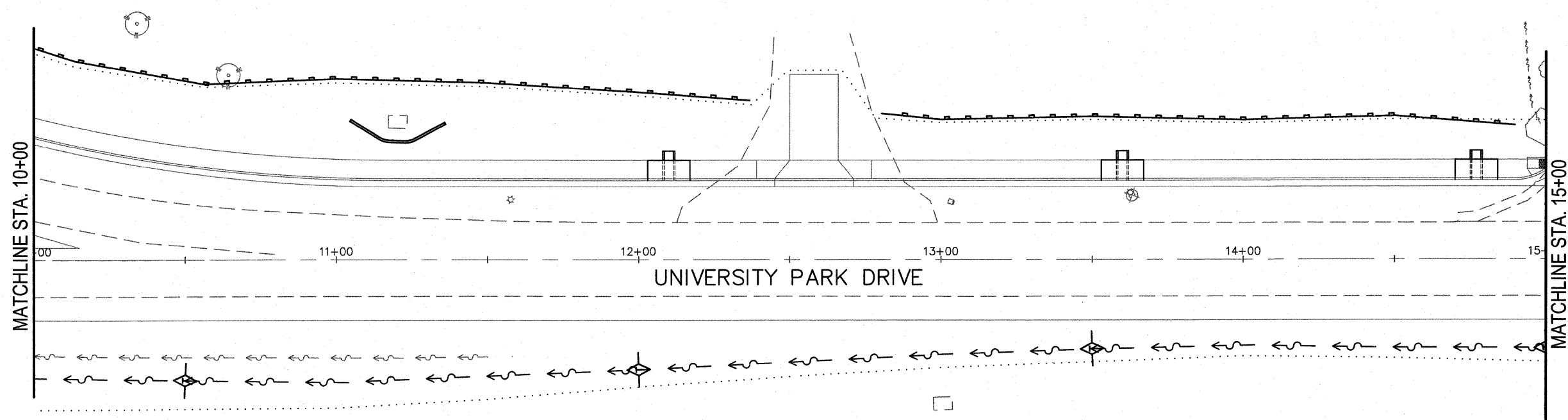
FILE NAME = 519SWPPP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - SW3	REVISED -
	PLOT SCALE = 1' = 1'	CHECKED - AJG	REVISED -
	PLOT DATE = 2009-05-07	DATE - 2009-03-04	REVISED -



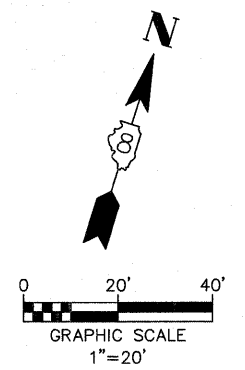
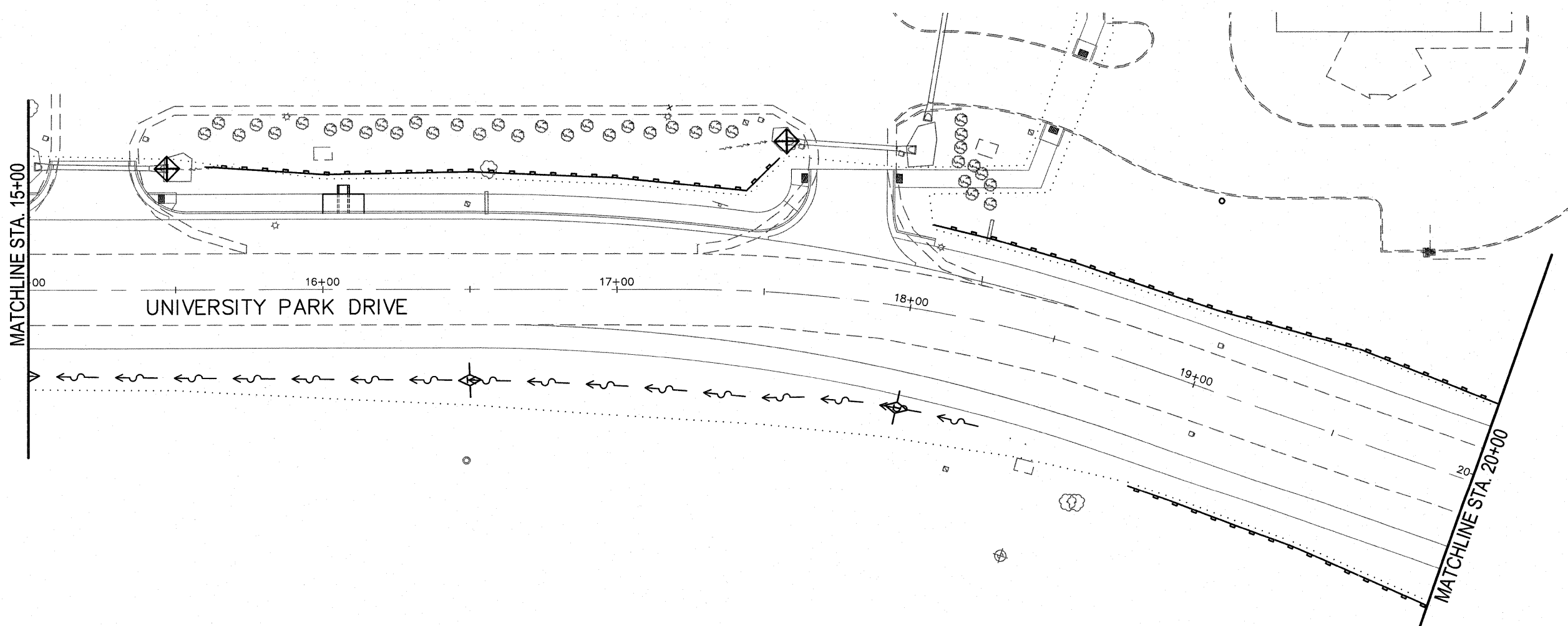
<b>EROSION CONTROL PLANS</b>	
SCALE:	SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	16
CONTRACT NO. 91384				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		





LEGEND	
	INLET CHECK
	DITCH CHECK
	SILT FENCE

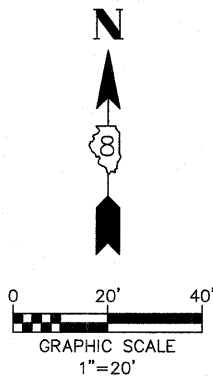


DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
7.0	24"	25
	12"	15
6.0	18"	20
	24"	30
5.0	12"	15
	18"	25
4.0	24"	35
	12"	20
3.0	18"	30
	24"	40
2.0	12"	25
	18"	35
1.0	24"	50
	12"	35
& UNDER	18"	50
	24"	65
	12"	50
	18"	75
	24"	100
	18"	150
	24"	195

MATCHLINE STA. 20+00

MATCHLINE STA. 25+00

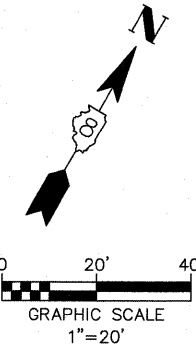
UNIVERSITY PARK DRIVE



DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW FT) (INCHES)	SPACING OF DITCH CHECK (FEET)
9.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	20
	24"	25
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	85
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

MATCHLINE STA. 25+00

UNIVERSITY PARK DRIVE



LEGEND	
	INLET CHECK
	DITCH CHECK
	SILT FENCE

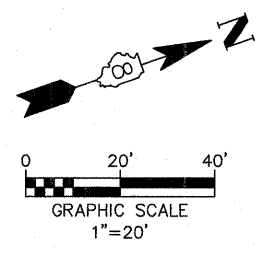
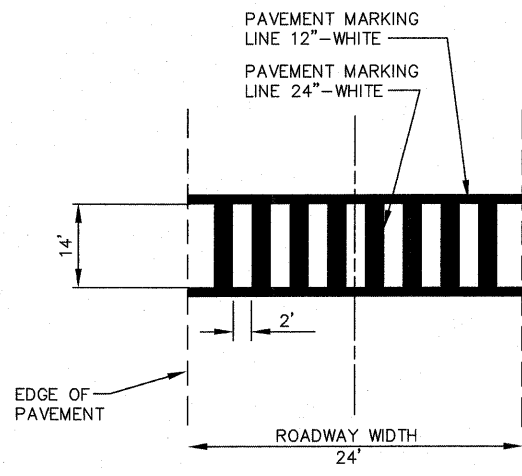
FILE NAME = 519SWPPP01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - SW3	REVISED -
	PLOT SCALE = 1" = 1'	CHECKED - AJG	REVISED -
	PLOT DATE = 2009-05-07	DATE - 2009-03-04	REVISED -

SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

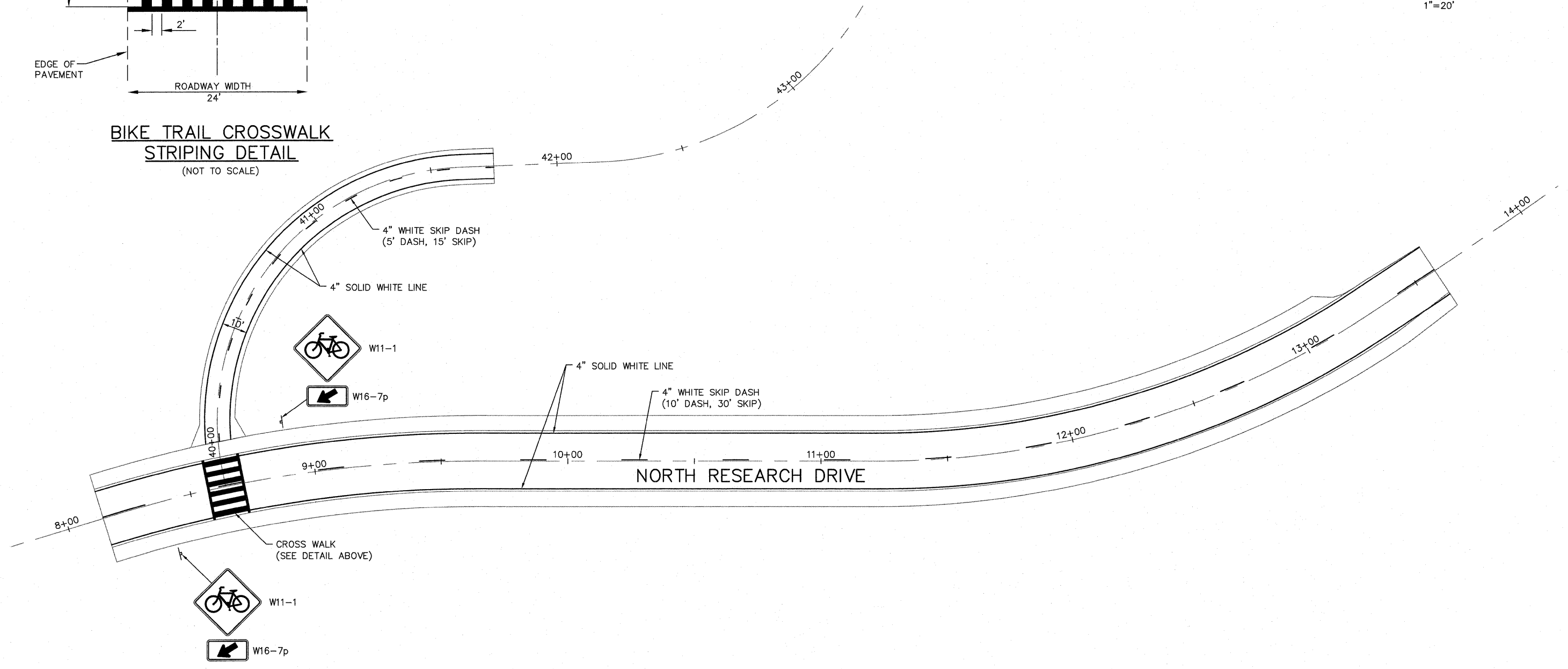
EROSION CONTROL PLANS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	18
CONTRACT NO. 97384				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**BIKE TRAIL CROSSWALK STRIPING DETAIL**  
(NOT TO SCALE)

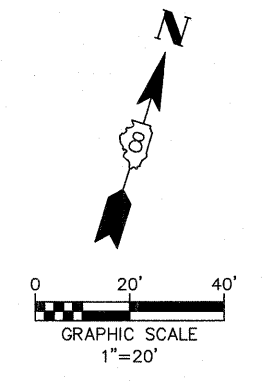
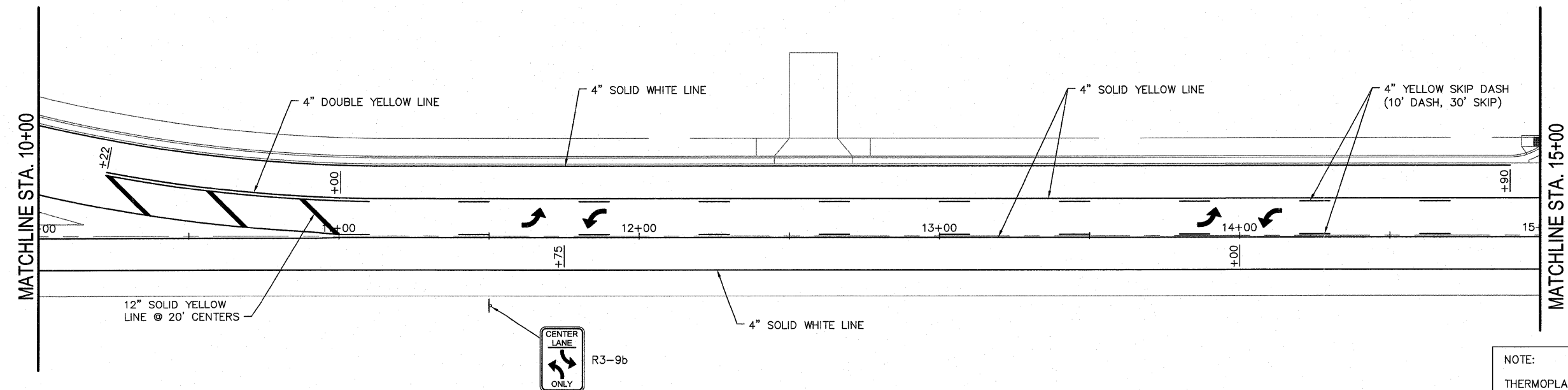
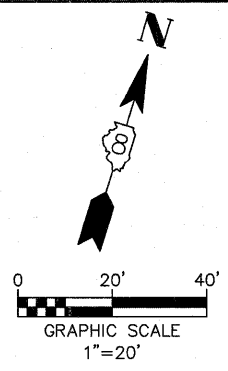
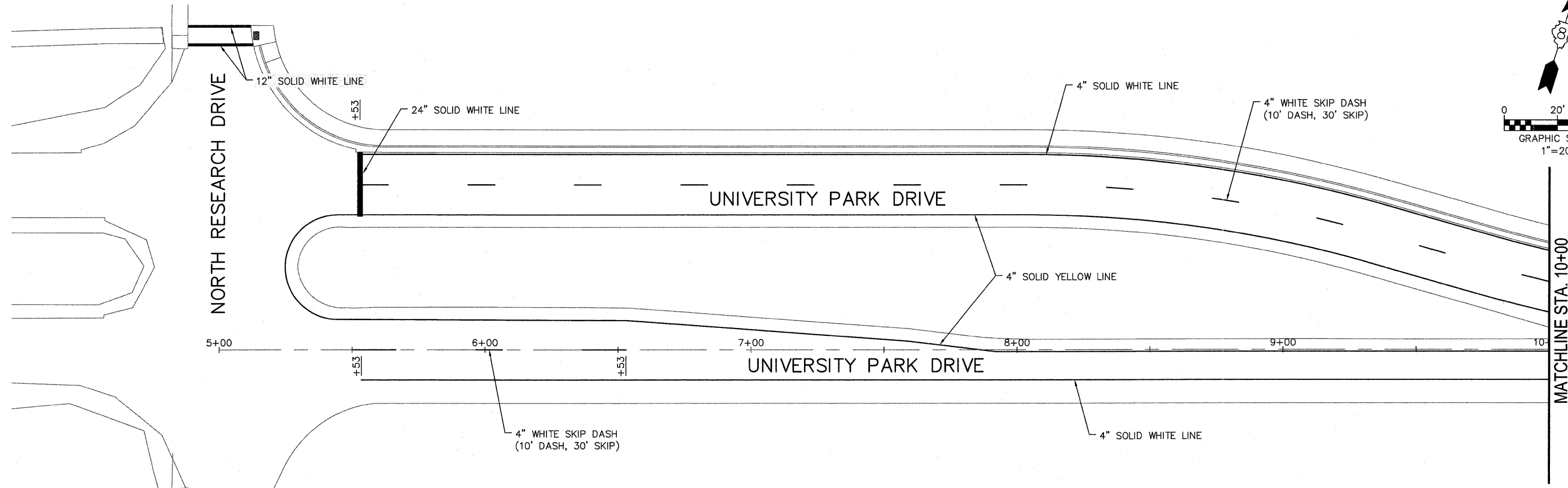


NOTE:  
THERMOPLASTIC PAVEMENT MARKINGS SHALL BE APPLIED TO ASPHALT SURFACES.  
PAINT PAVEMENT MARKINGS SHALL BE APPLIED TO CONCRETE SURFACES.

FILE NAME = 519PM01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - SW3	REVISED -
		CHECKED - AJG	REVISED -
		DATE - 2009-03-04	REVISED -
PLOT SCALE = 1' = 1'			
PLOT DATE = 2009-05-07			



<b>PAVEMENT MARKING PLANS</b>			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
	05-00005-00-RP	MADISON	42
			SHEET NO. 19
CONTRACT NO. 91384			
SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



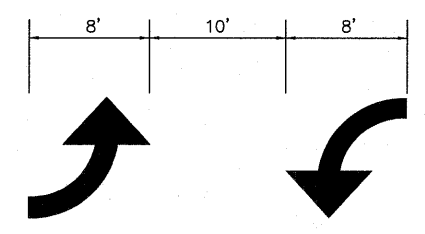
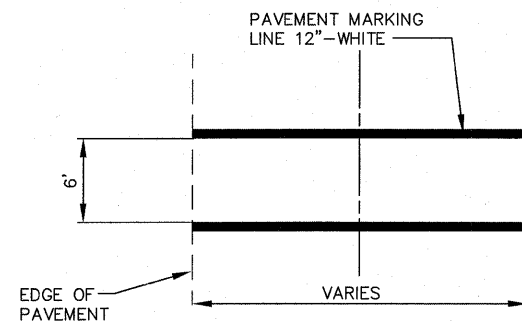
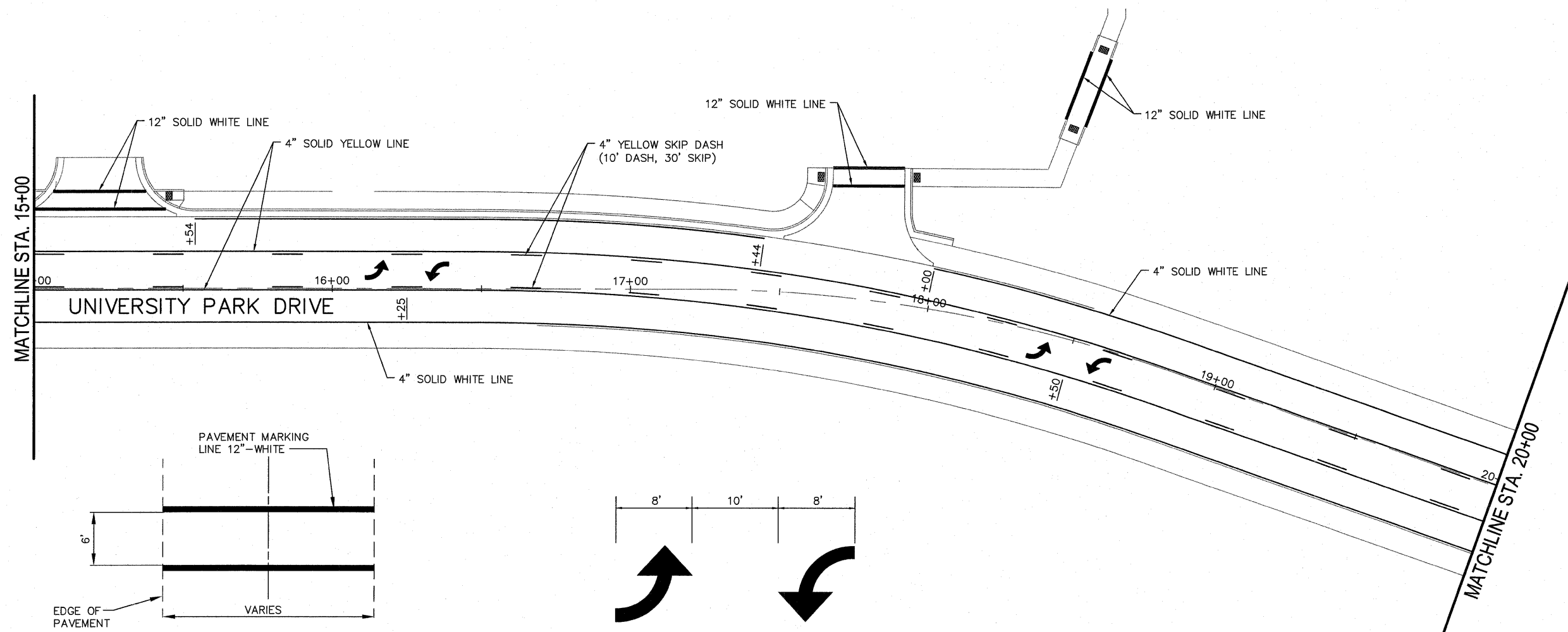
NOTE:  
 THERMOPLASTIC PAVEMENT MARKINGS SHALL BE APPLIED TO ASPHALT SURFACES.  
 PAINT PAVEMENT MARKINGS SHALL BE APPLIED TO CONCRETE SURFACES.

FILE NAME = 519PM01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - SW3	REVISED -
	PLOT SCALE = 1" = 1'	CHECKED - AJG	REVISED -
	PLOT DATE = 2009-05-07	DATE - 2009-03-04	REVISED -



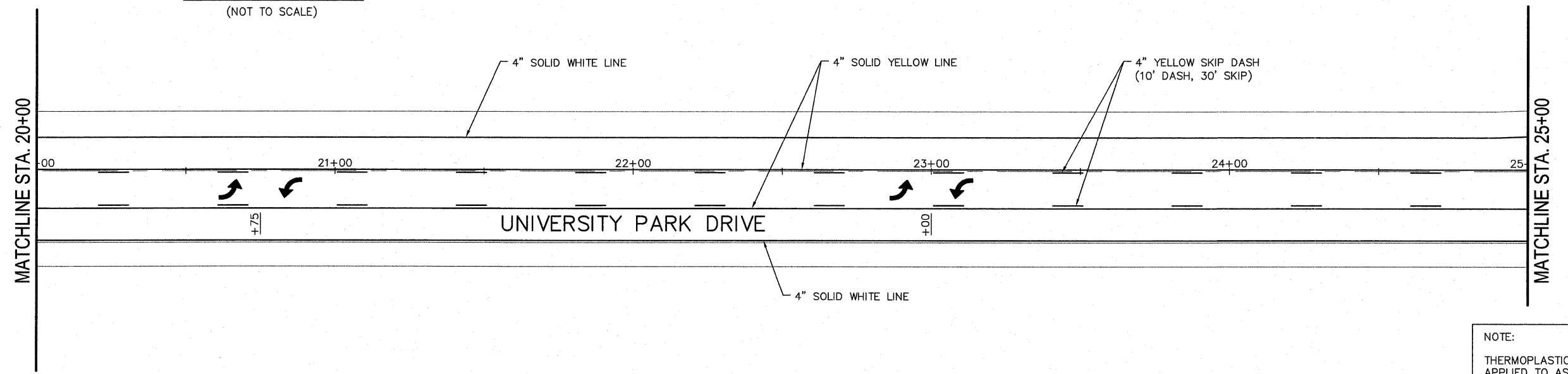
PAVEMENT MARKING PLANS		
SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	20
CONTRACT NO. 97304				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



**PEDESTRIAN CROSSWALK STRIPING DETAIL**  
(NOT TO SCALE)

**TWO-WAY LEFT-TURN ARROW DETAIL**  
(NOT TO SCALE)



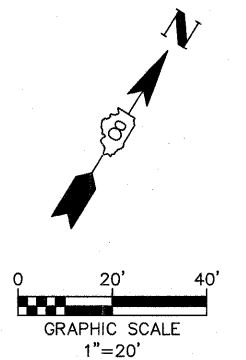
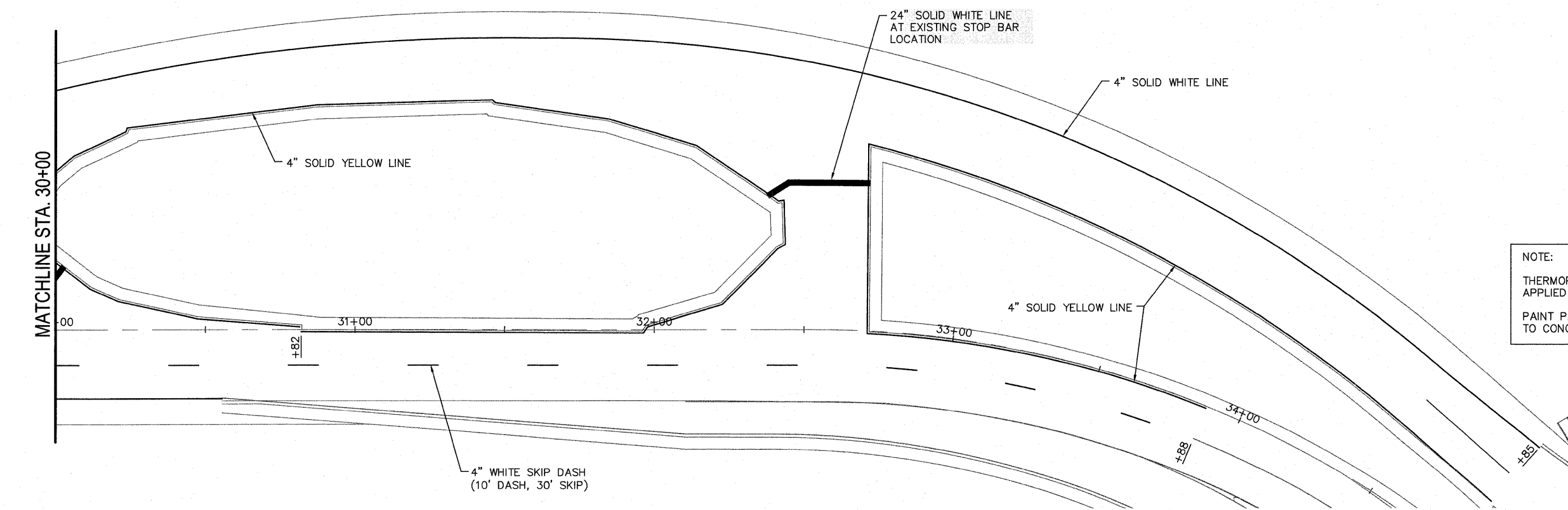
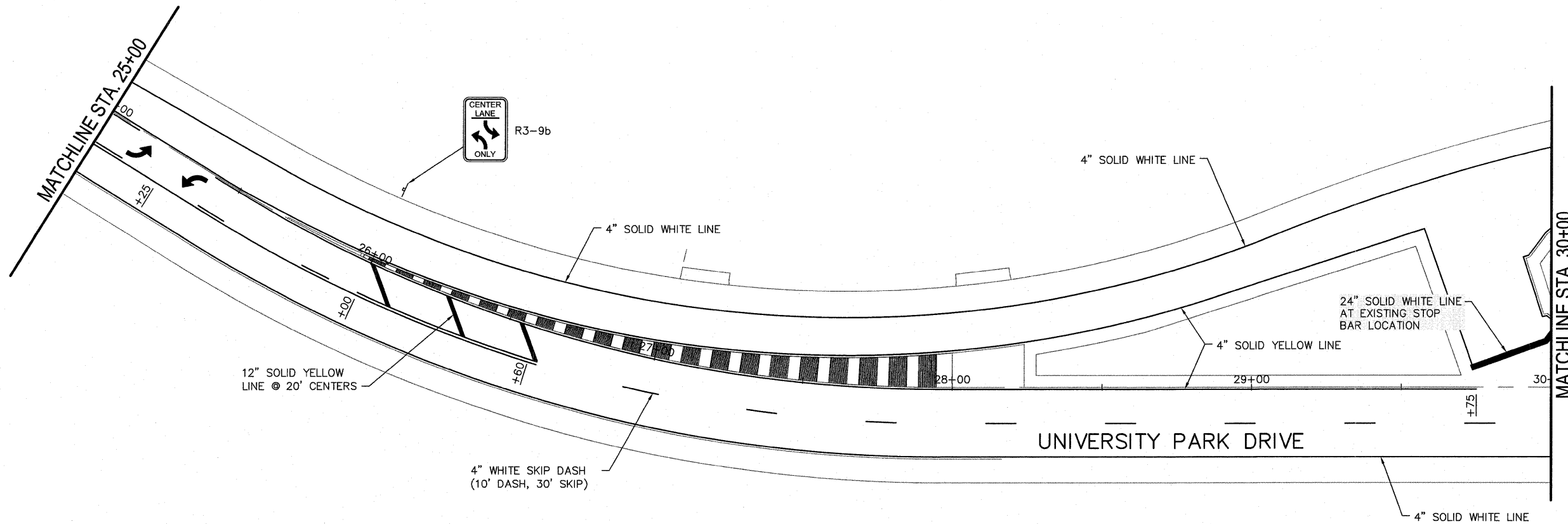
NOTE:  
THERMOPLASTIC PAVEMENT MARKINGS SHALL BE APPLIED TO ASPHALT SURFACES.  
PAINT PAVEMENT MARKINGS SHALL BE APPLIED TO CONCRETE SURFACES.

FILE NAME = 519PM01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -
		DRAWN - SW3	REVISED -
		CHECKED - AJG	REVISED -
		DATE - 2009-03-04	REVISED -



<b>PAVEMENT MARKING PLANS</b>	
SCALE:	SHEET NO. ___ OF ___ SHEETS
STA. _____	TO STA. _____

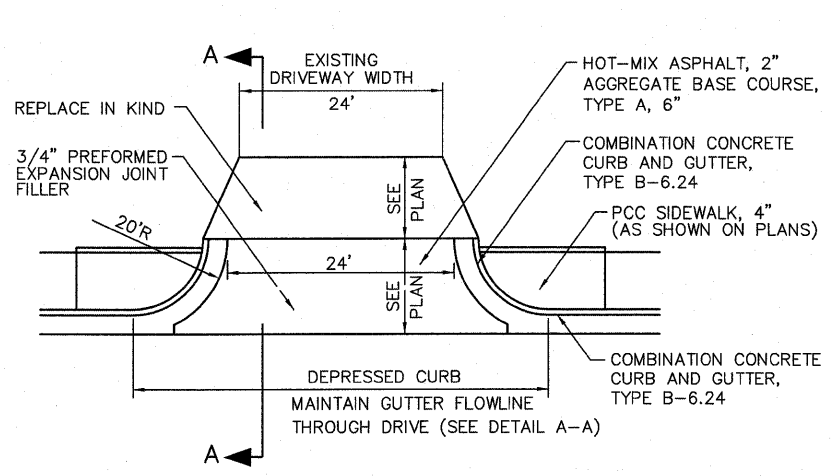
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	21
CONTRACT NO. 91384				
FED. ROAD DIST. NO. _____		ILLINOIS		FED. AID PROJECT



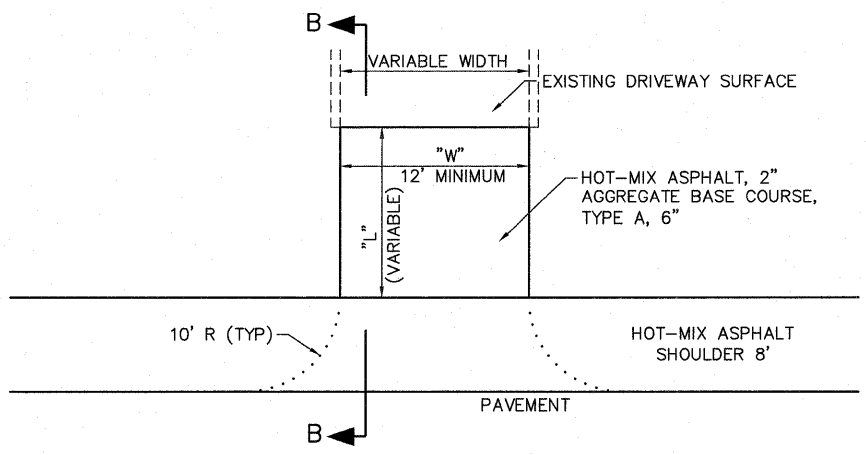
NOTE:  
 THERMOPLASTIC PAVEMENT MARKINGS SHALL BE APPLIED TO ASPHALT SURFACES.  
 PAINT PAVEMENT MARKINGS SHALL BE APPLIED TO CONCRETE SURFACES.

FILE NAME = 519PM01.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>PAVEMENT MARKING PLANS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 1'	DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	22	
	PLOT DATE = 2009-05-07	CHECKED - AJG	REVISED -		SCALE: SHEET NO. ___ OF ___ SHEETS STA. ___ TO STA. ___			CONTRACT NO. 91304		FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	
	DATE = 2009-03-04	DATE -	REVISED -									

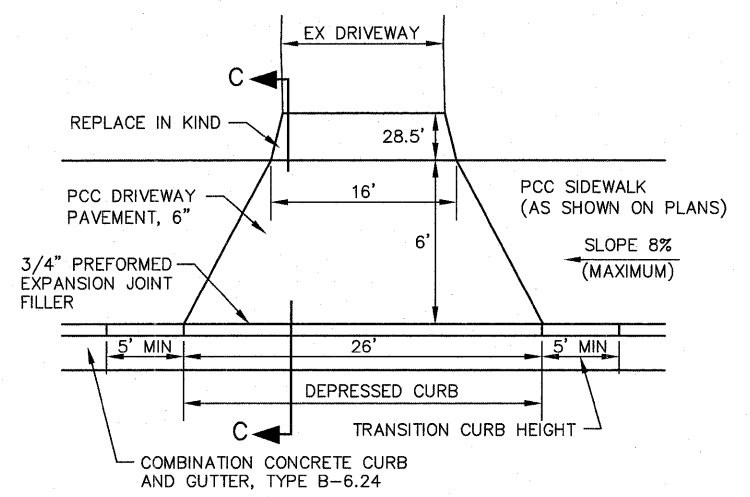




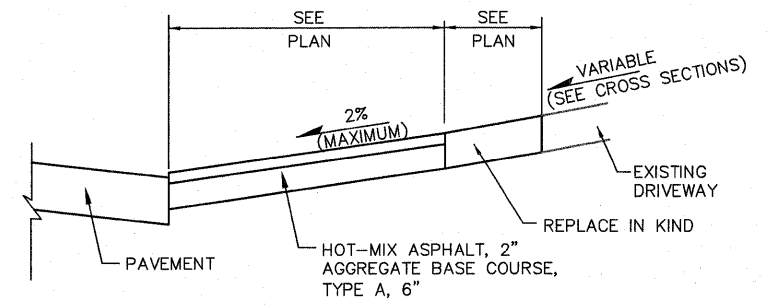
**TYPICAL COMMERCIAL ENTRANCE DETAIL**  
(NOT TO SCALE)



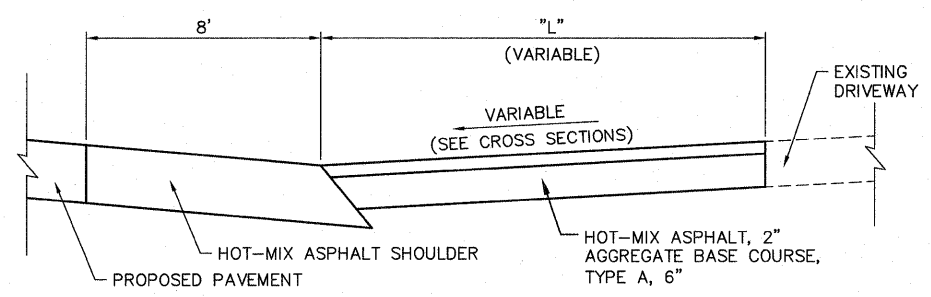
**TYPICAL ENTRANCE DETAIL AT LOCATIONS ALONG HOT-MIX ASPHALT SHOULDERS**  
(NOT TO SCALE)



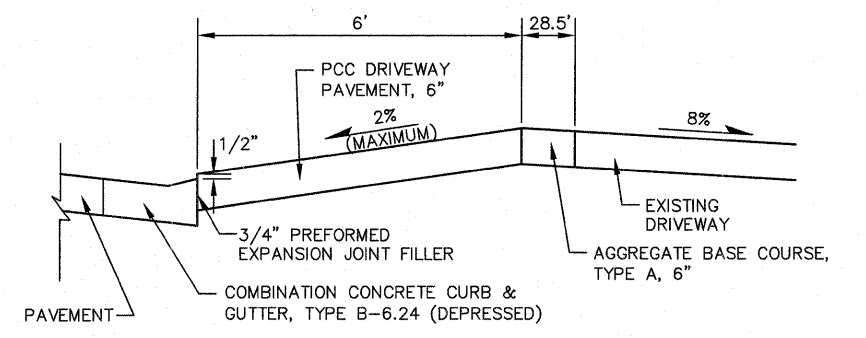
**TYPICAL FIELD ENTRANCE DETAIL**  
NOT TO SCALE



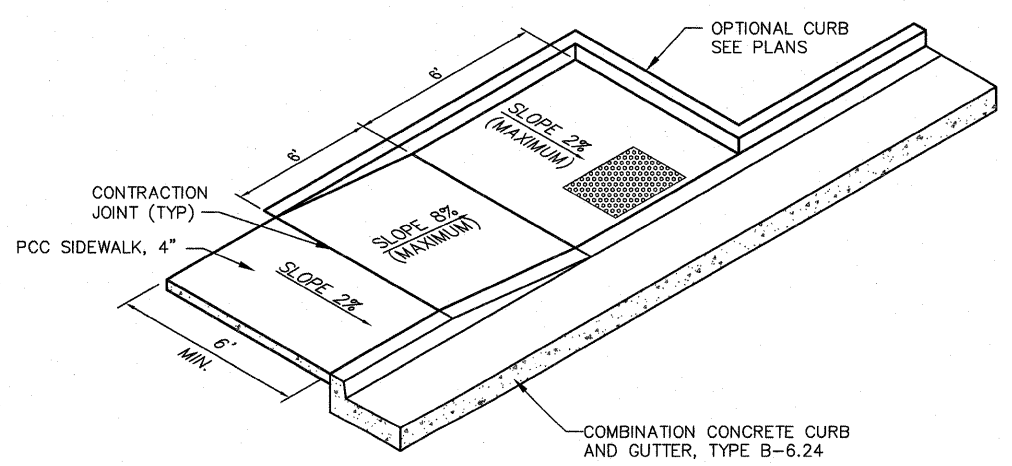
**SECTION A-A**  
(NOT TO SCALE)



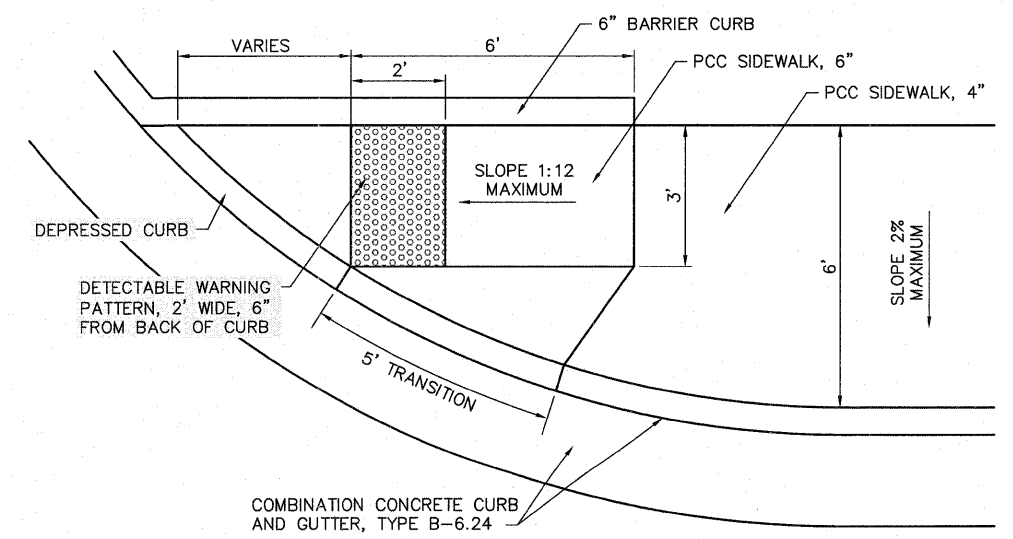
**SECTION B-B**  
(NOT TO SCALE)



**SECTION C-C**  
NOT TO SCALE



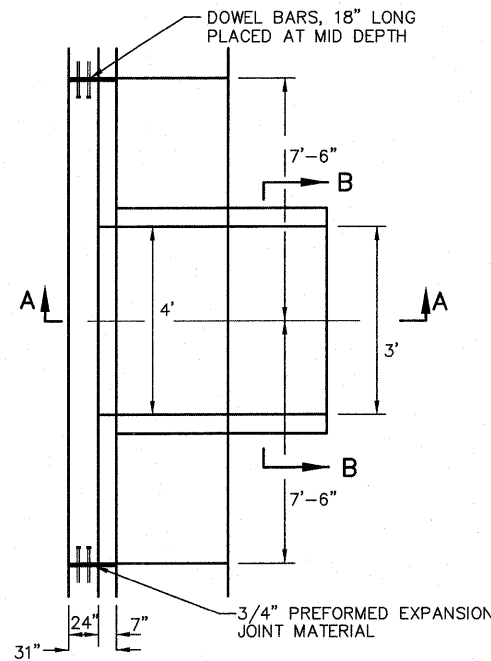
**SIDEWALK RAMP DETAIL**  
(NOT TO SCALE)



**SIDEWALK RAMP DETAIL**  
(NOT TO SCALE)

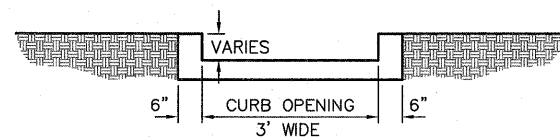
SEE PLANS FOR LOCATION

FILE NAME = 519D01 GENERAL.DWG	USER NAME = SAM WRIGLEY	DESIGNED - TLC	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>CONSTRUCTION DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	23	
PLOT SCALE = 1" = 1'	CHECKED - AJG	REVISED -			CONTRACT NO. 07304							
PLOT DATE = 2009-05-07	DATE - 2009-03-04	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

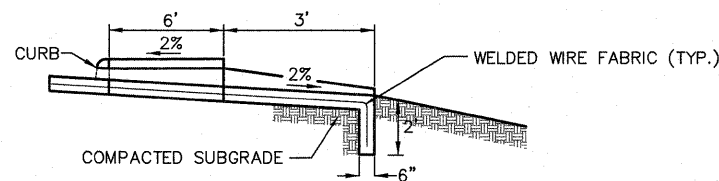


PLAN

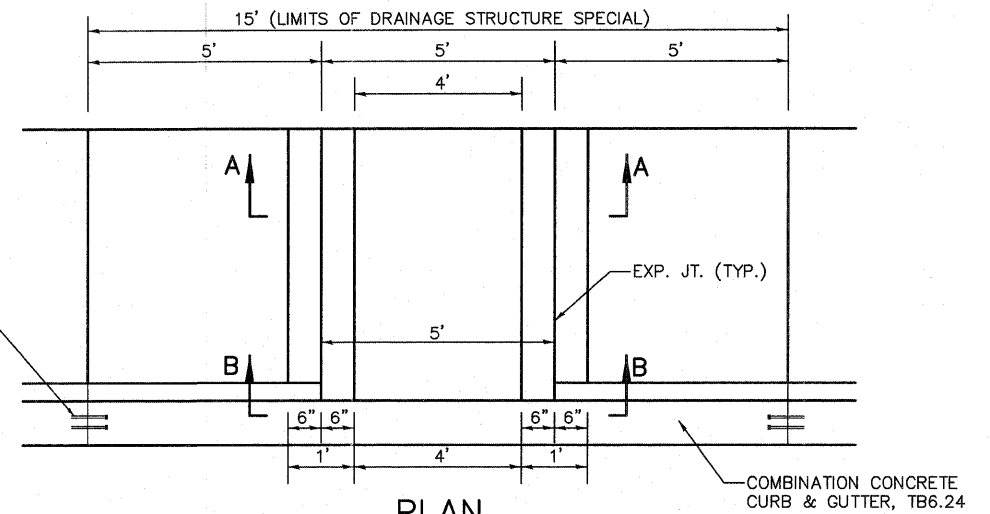
- NOTES:
1. CURB AND GUTTER THROUGH DRAINAGE STRUCTURE LIMITS TO BE PAID FOR AS CONCRETE CURB AND GUTTER TYPE B 6-24.
  2. SIDEWALK WITHIN 7'-6" OF DRAINAGE STRUCTURE CENTERLINE TO BE PAID FOR AS DRAINAGE STRUCTURE SPECIAL.



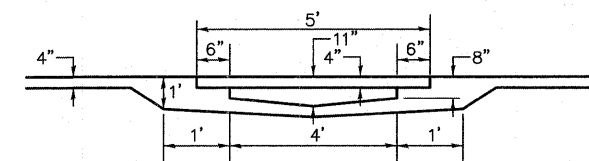
SECTION B-B



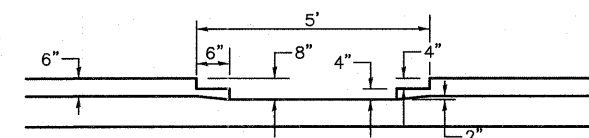
SECTION A-A



PLAN



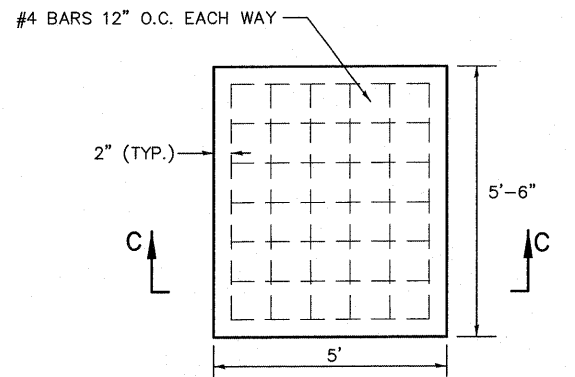
SECTION A-A



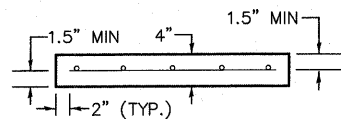
SECTION B-B

DRAINAGE STRUCTURE SPECIAL DETAILS

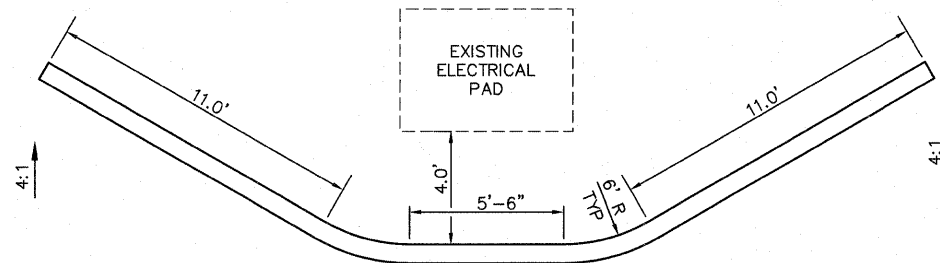
(NOT TO SCALE)



DRAINAGE STRUCTURE LID



SECTION C-C



PLAN VIEW

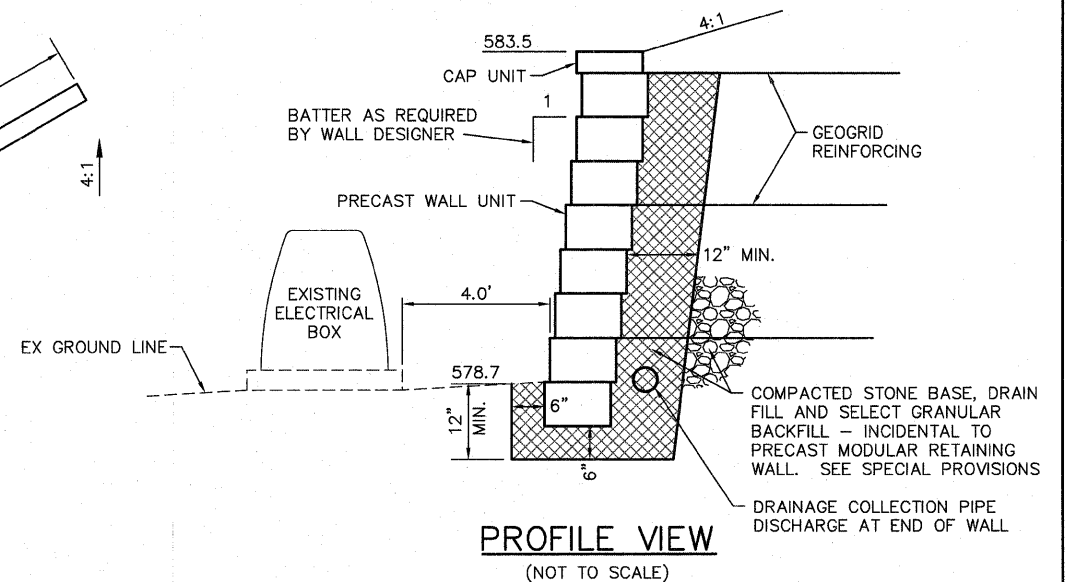
(NOT TO SCALE)

NOTE:  
 QUANTITIES SHOWN SHALL BE VERIFIED BY WALL DESIGNER. ACTUAL MEASUREMENTS AND PAYMENT SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS.

PROPOSED WALLS NOT TO EXCEED FIVE FEET IN HEIGHT MEASURED FROM THE FINISHED GRADE LINE TO TOP OF WALL.

REMOVE EXISTING BANK AS NECESSARY TO INSTALL REINFORCING GEOGRID. COMPACT SOILS OVER GEOGRID PER MANUFACTURER'S RECOMMENDATION - INCIDENTAL TO PRECAST MODULAR RETAINING WALL.

PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING CONCRETE ELECTRICAL BOX.



PROFILE VIEW

(NOT TO SCALE)

PRECAST MODULAR RETAINING WALL DETAIL

(NOT TO SCALE)

FILE NAME = 519DT01 GENERAL.DWG

USER NAME = SAM WRIGLEY  
 DESIGNED - TLC  
 DRAWN - SW3  
 PLOT SCALE = 1' = 1'  
 CHECKED - AJG  
 PLOT DATE = 2009-05-07  
 DATE = 2009-03-04

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

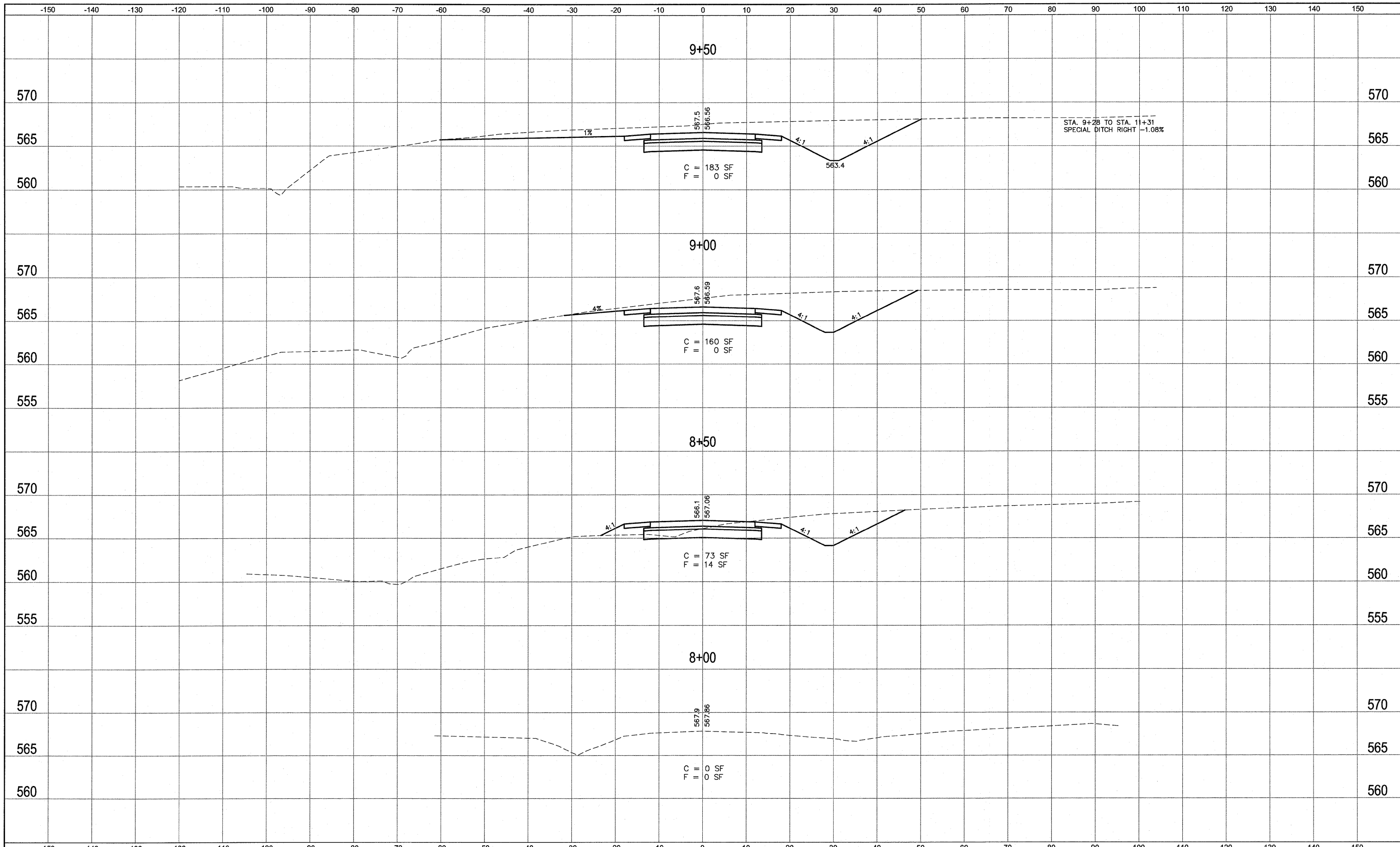
CONSTRUCTION DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	24
CONTRACT NO. 97384				

DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME = 519XS01 NORTH RESEARCH DRIVE.DWG

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 1' = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2009-05-07	CHECKED - AJG	REVISED -
	DATE - 2009-03-04	REVISED -

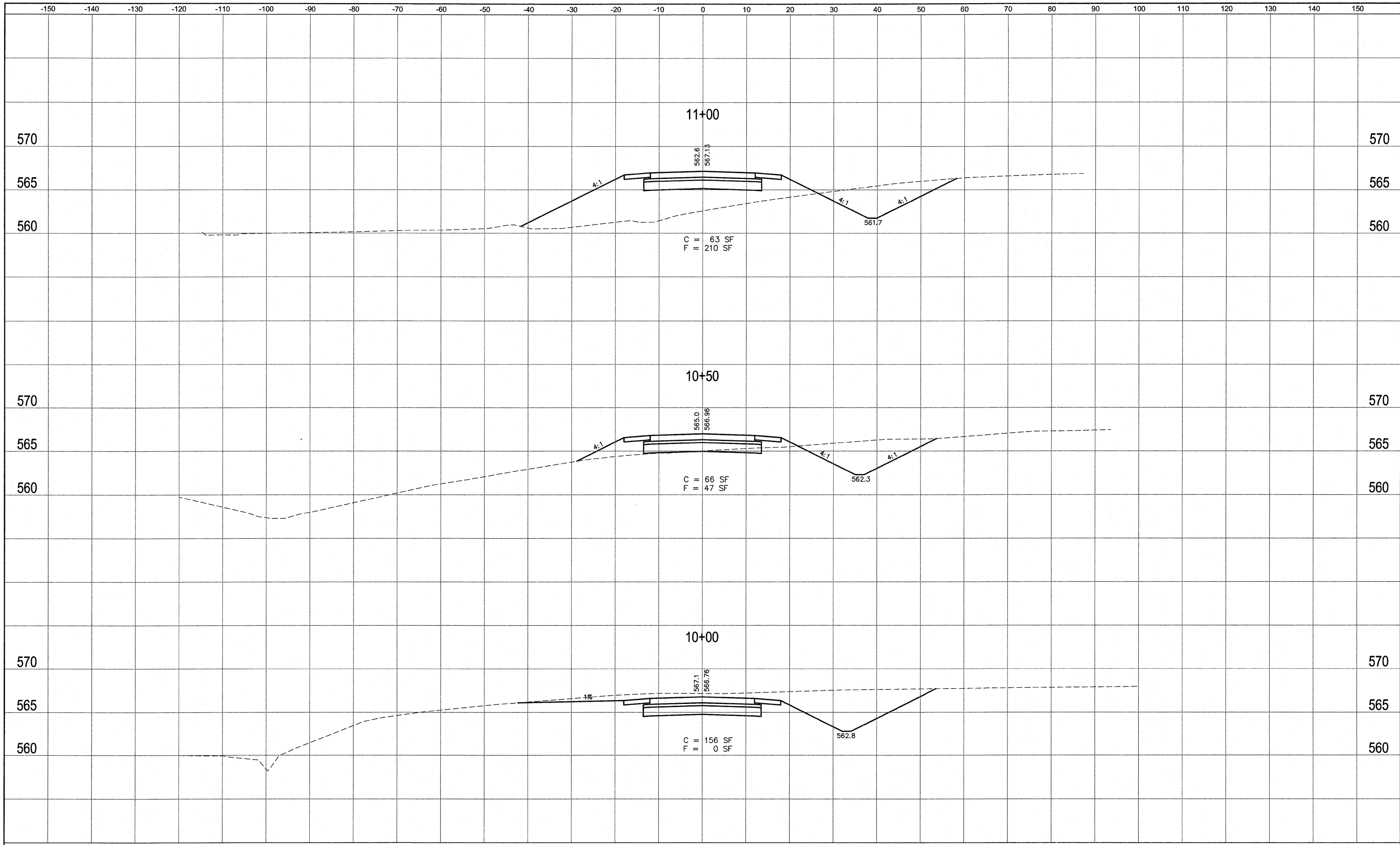


CROSS SECTIONS  
NORTH RESEARCH DRIVE  
SCALE: SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 8+00 TO STA. 9+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 97384	

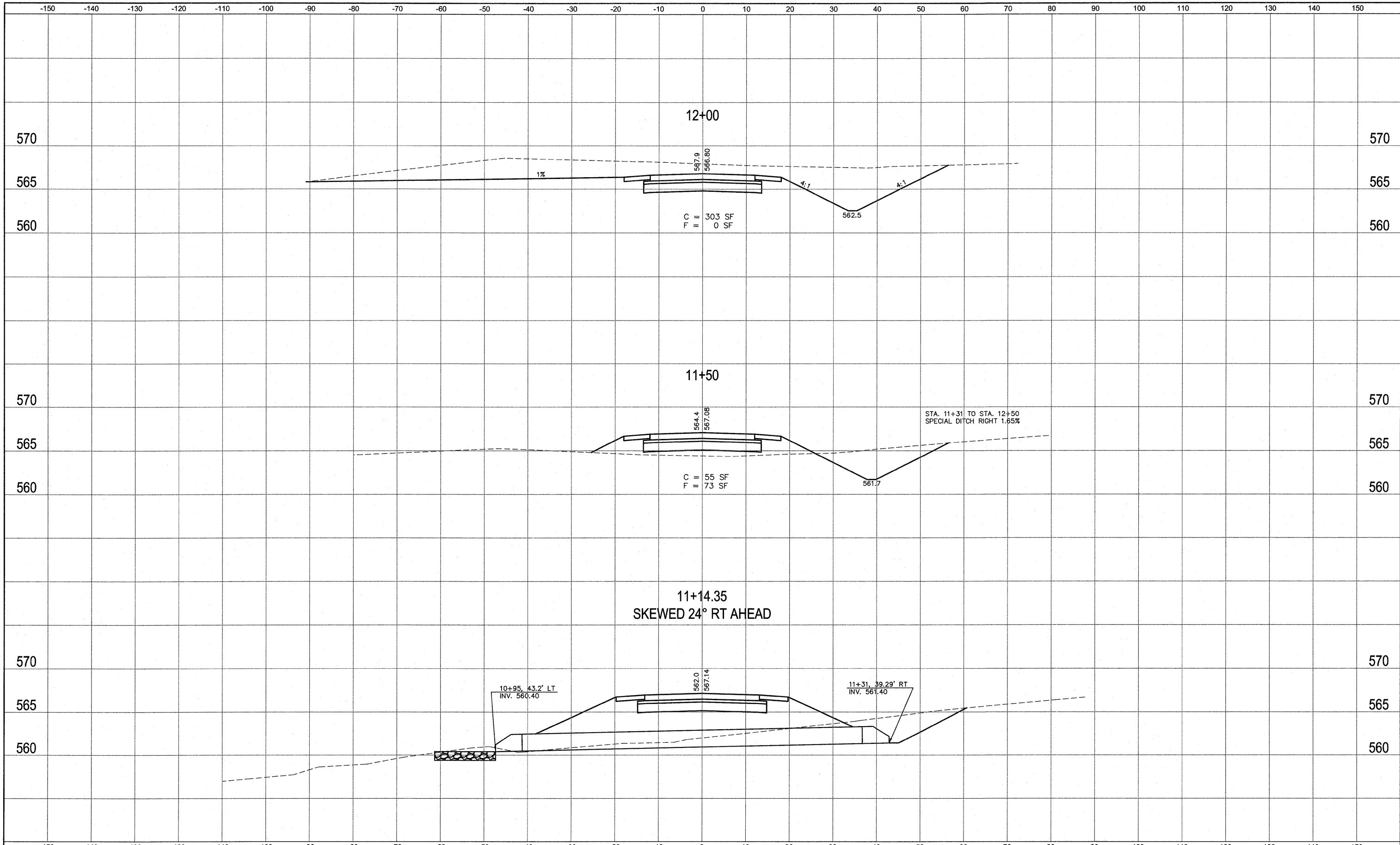
DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY NOTEBOOK NO.	

DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY NOTEBOOK NO.	



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

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



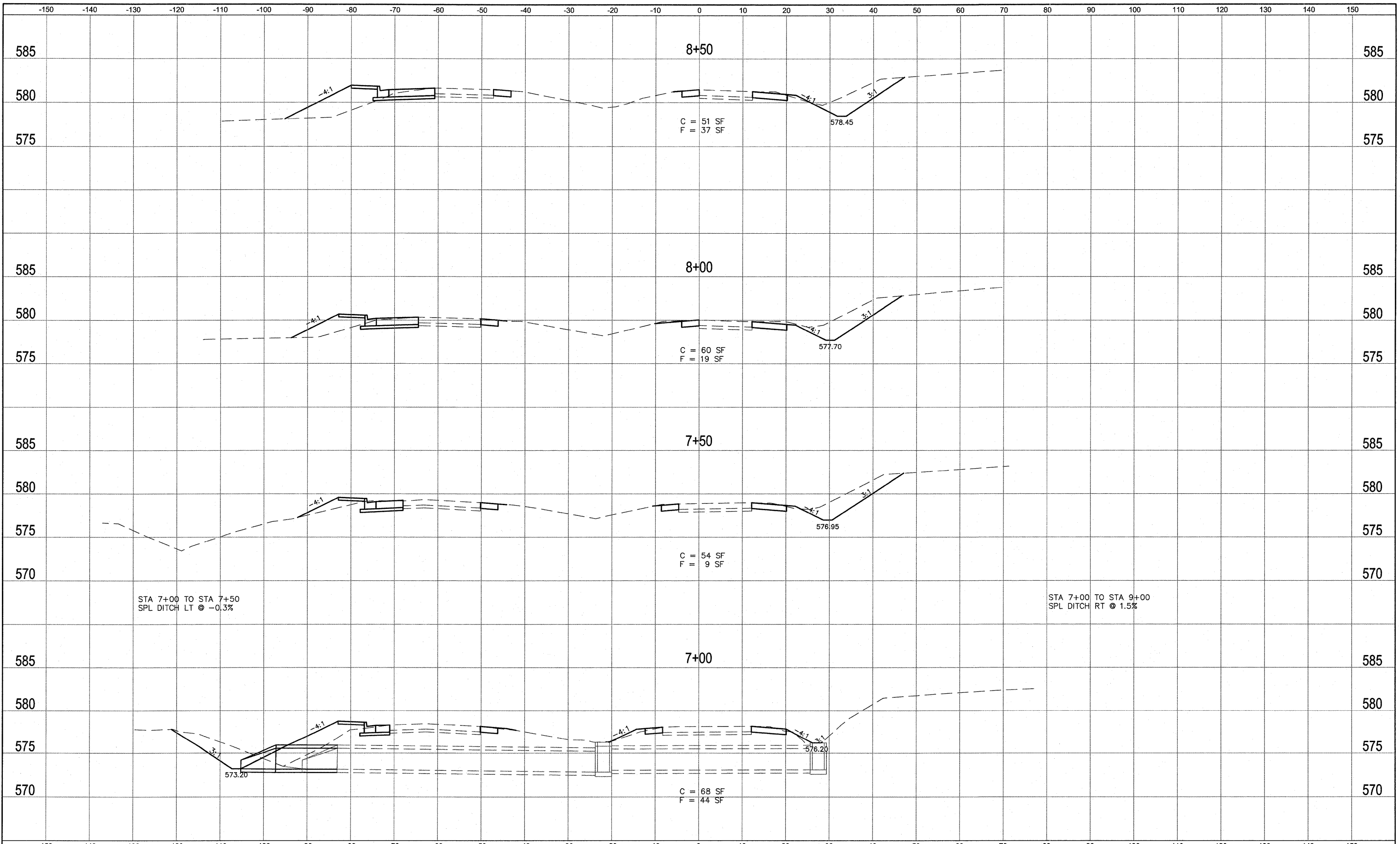
FILE NAME = 519XS01 NORTH RESEARCH DRIVE.DWG	USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>CROSS SECTIONS NORTH RESEARCH DRIVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - SW3	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 11+14.35 TO STA. 12+00	05-00005-00-RP	MADISON	42	27	
		CHECKED - AJG	REVISED -									
		DATE - 2009-03-04	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		CONTRACT NO. 97384









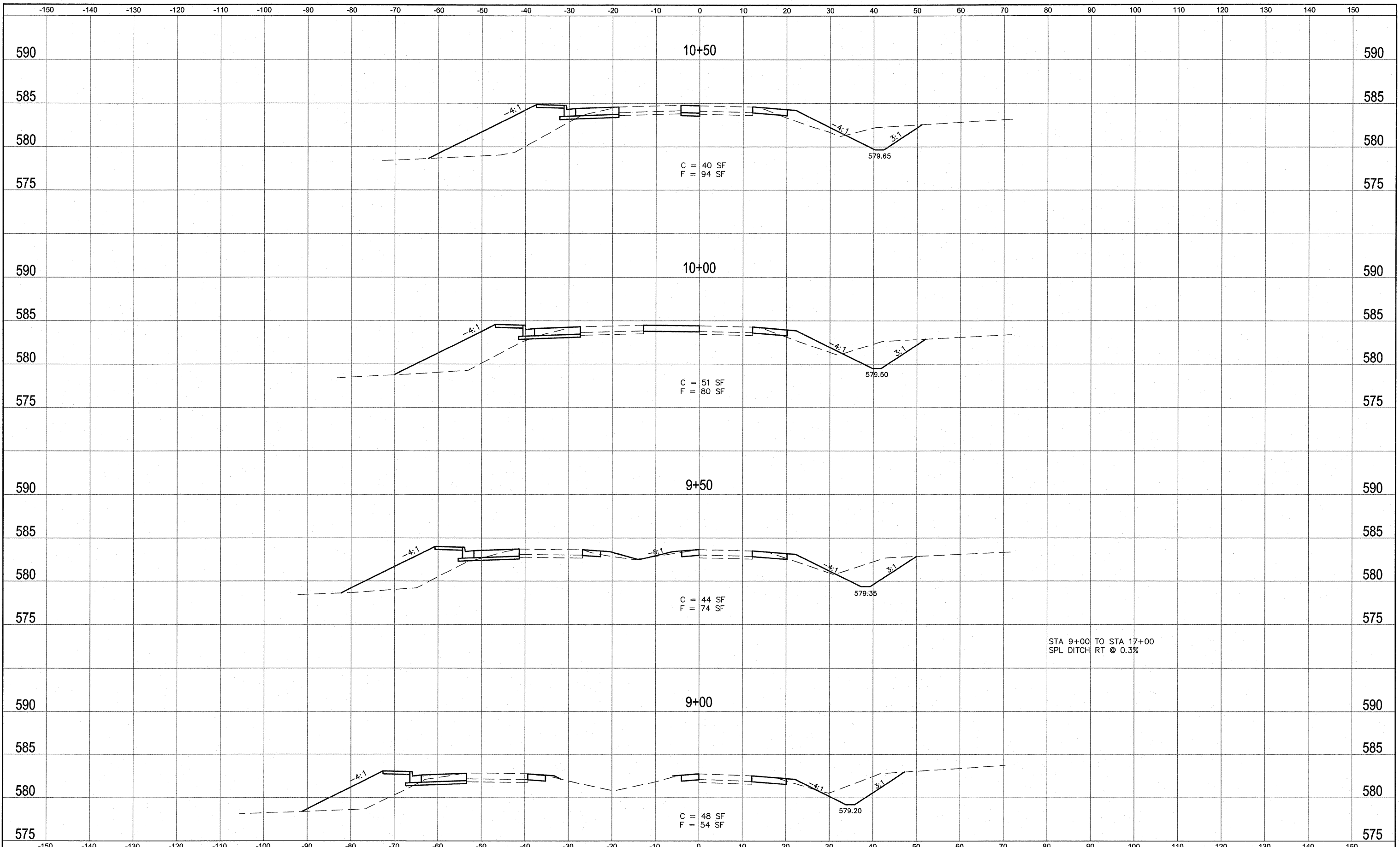


DATE	
BY	
SURVEYED	
PLOTTED	
TEMP. DATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
CHECKED	
NO.	



FILE NAME = 519MN02.DWG

USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -
	DRAWN - SW3	REVISED -
PLOT SCALE = 1/8" = 1'	CHECKED - TLC	REVISED -
PLOT DATE = 2009-05-07	DATE - 2009-03-17	REVISED -



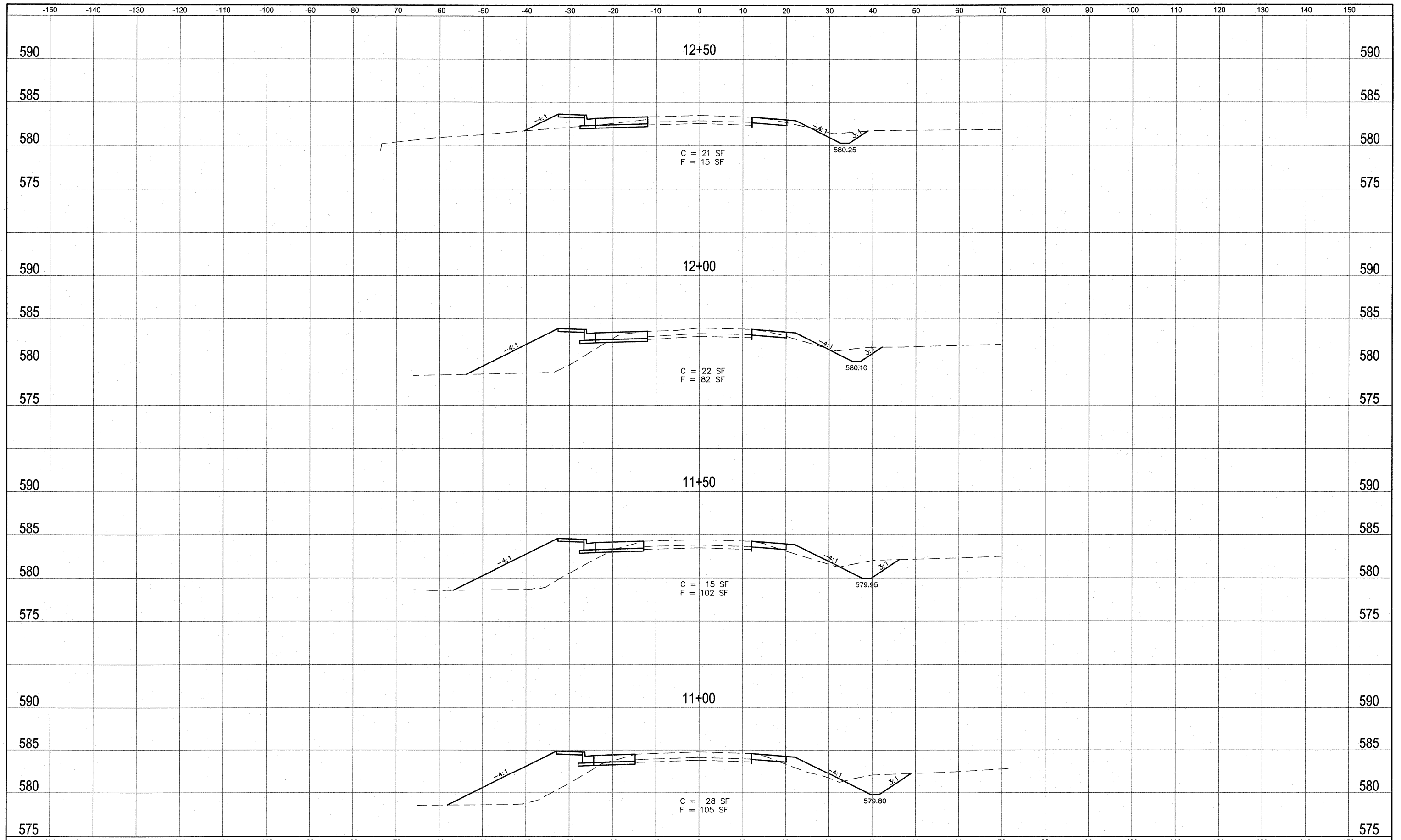
CROSS SECTIONS  
UNIVERSITY PARK DRIVE

SCALE: SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	32
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 97384				

DATE	
BY	
SURVEYED	
PLANNED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
NO.	

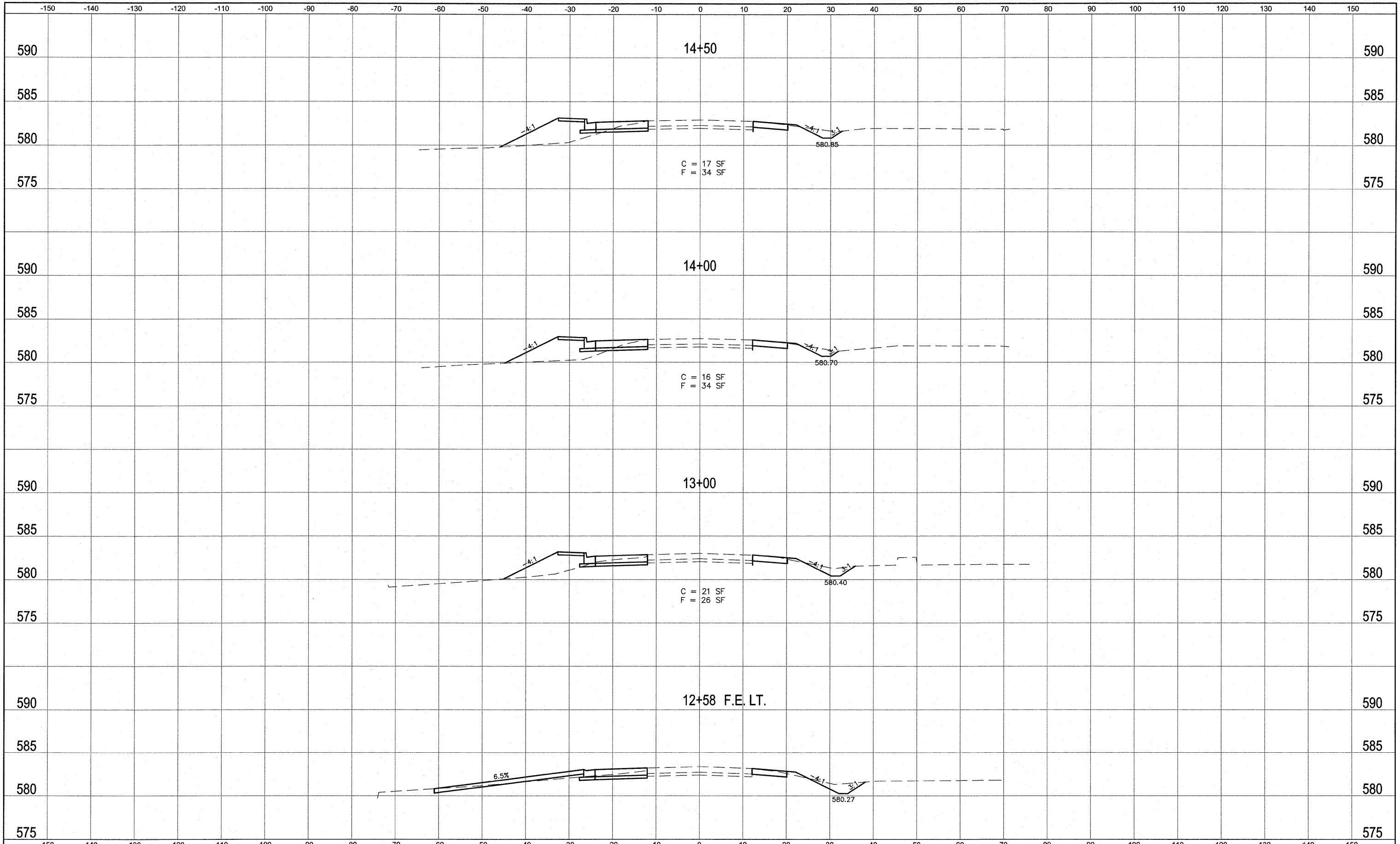
DATE	
BY	
SURVEYED	
PLANNED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>CROSS SECTIONS UNIVERSITY PARK DRIVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	33
		CHECKED - TLC	REVISED -					CONTRACT NO. 97384			
		DATE - 2009-03-17	REVISED -			SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS	FED. AID PROJECT

DATE	
BY	
SURVIVED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVIVED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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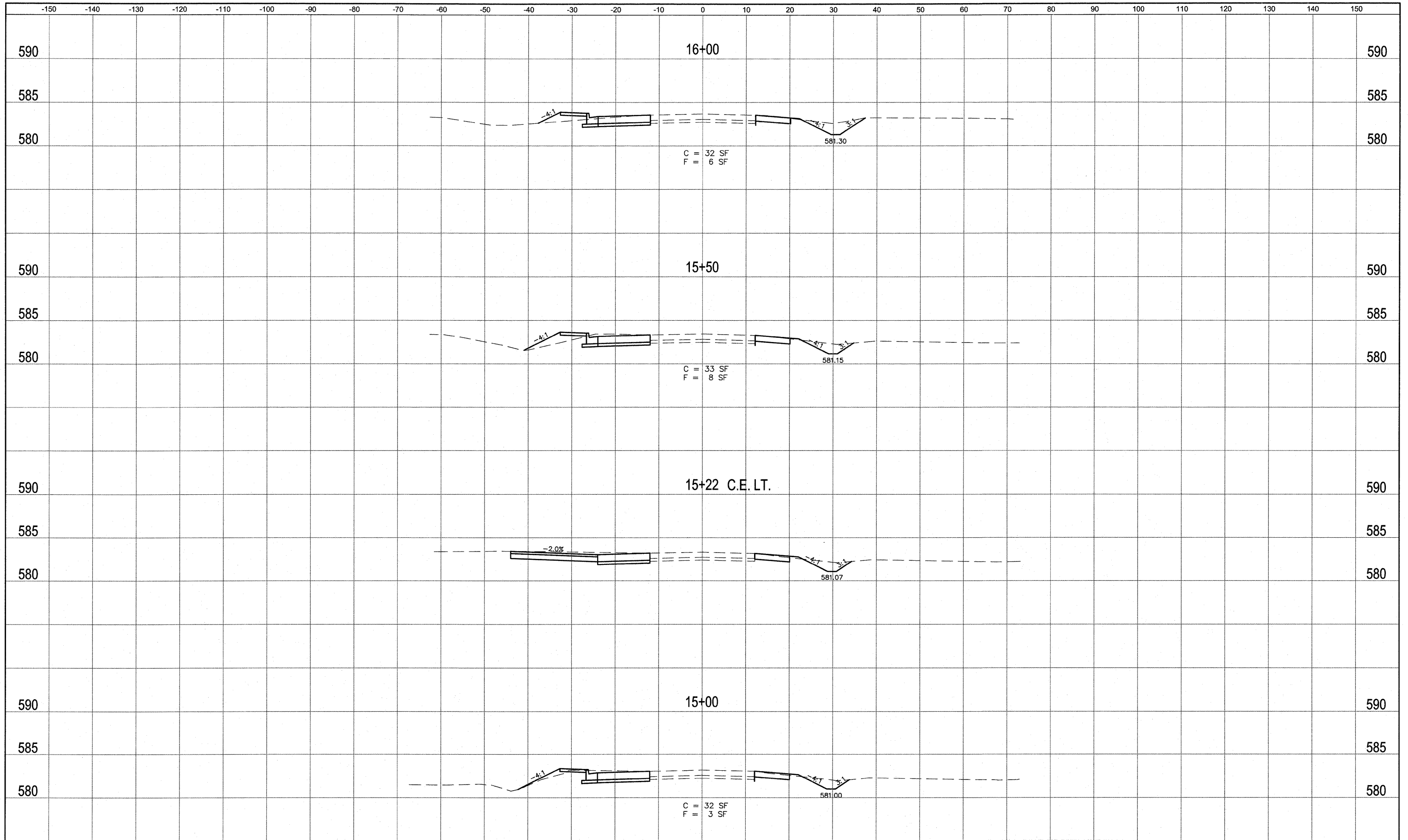


FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>CROSS SECTIONS UNIVERSITY PARK DRIVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	34	
		CHECKED - TLC	REVISED -									CONTRACT NO. 97384
		DATE - 2009-03-17	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
NO.	

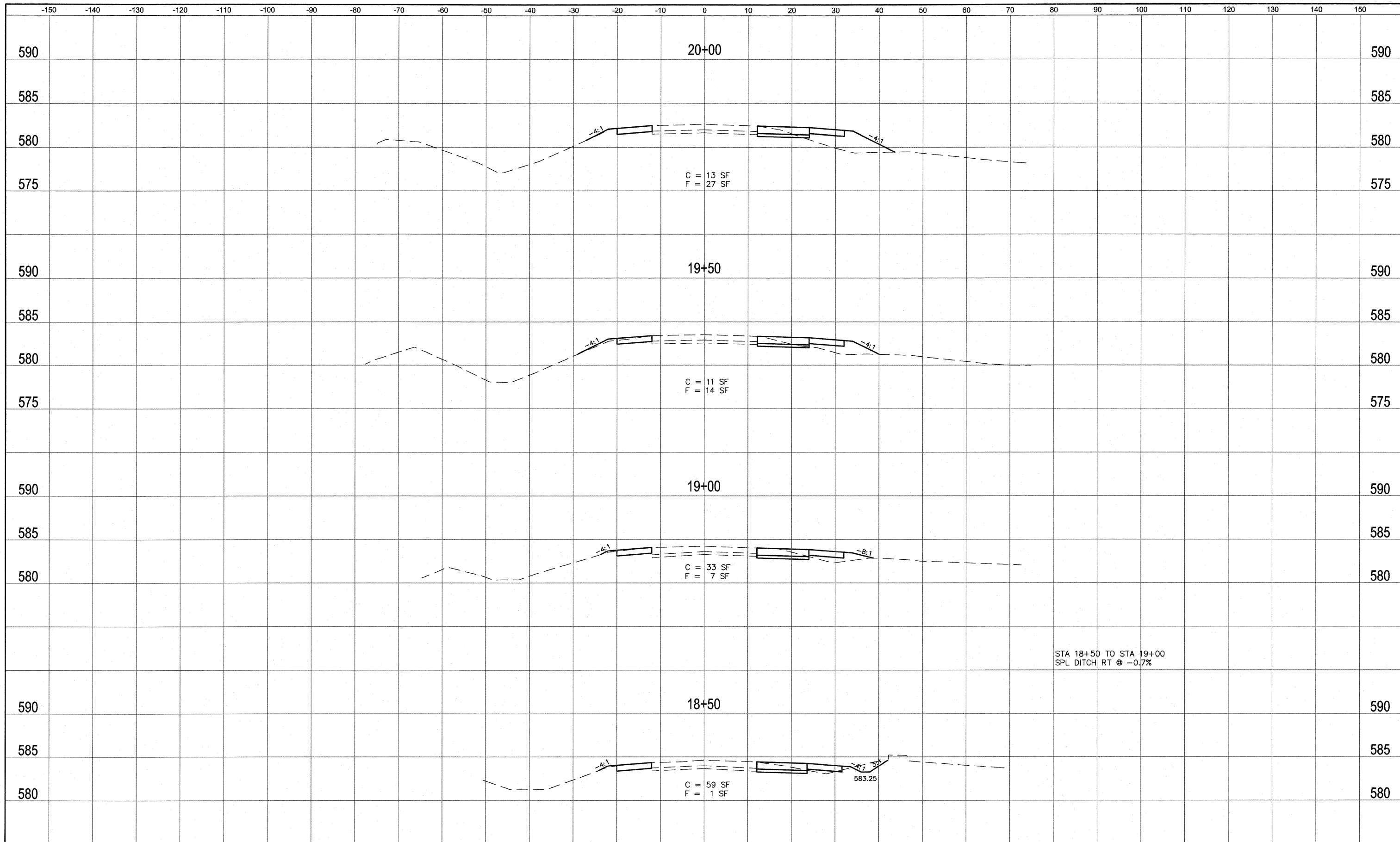


FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY</b> <b>EDWARDSVILLE</b>	<b>CROSS SECTIONS</b> <b>UNIVERSITY PARK DRIVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	35
		CHECKED - TLC	REVISED -					CONTRACT NO. 91384			
		DATE - 2009-03-17	REVISED -			SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS	FED. AID PROJECT



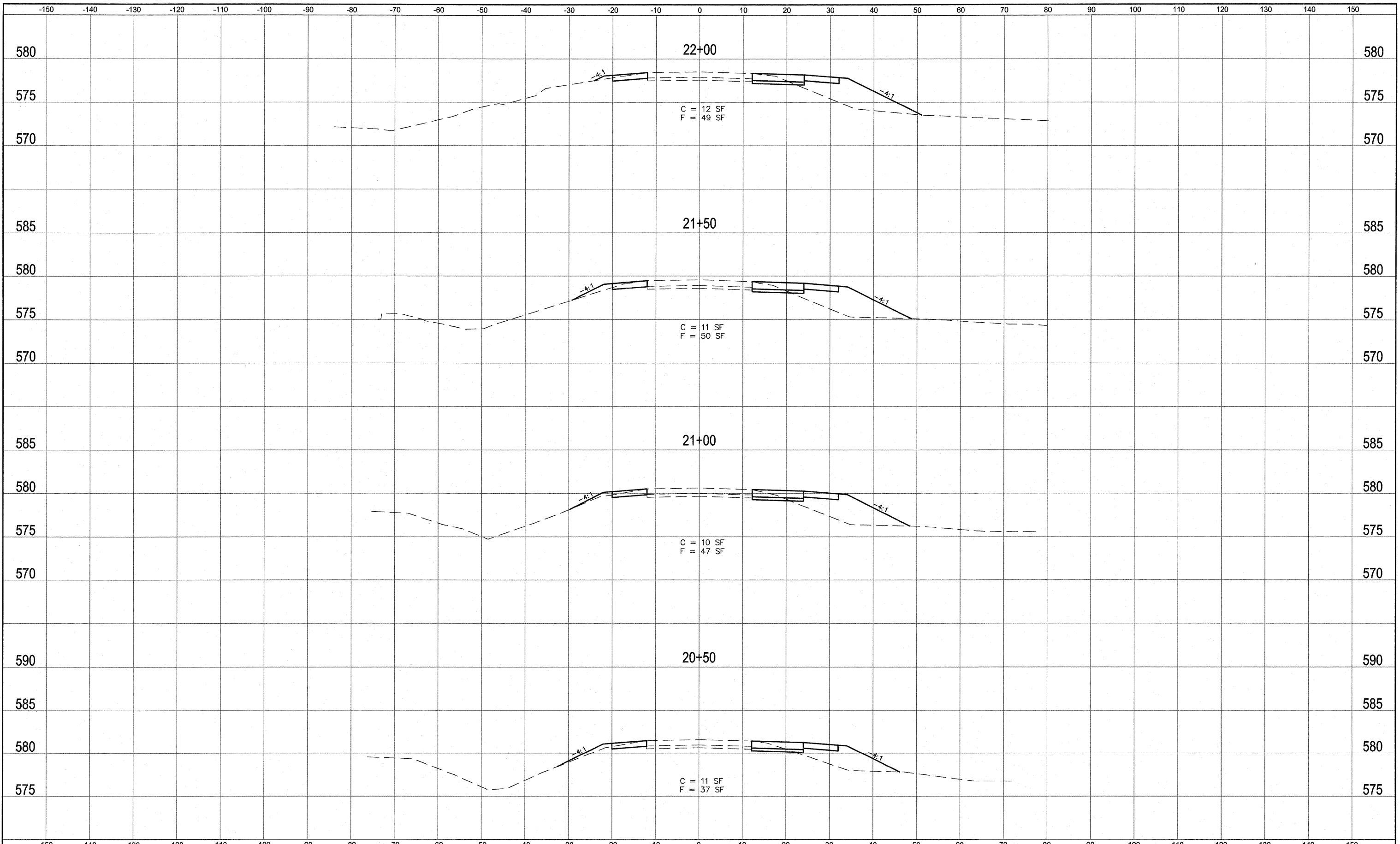
DATE	
BY	
SURVEYED	
PLANNED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



STA 18+50 TO STA 19+00  
SPL DITCH RT @ -0.7%

FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -		CROSS SECTIONS UNIVERSITY PARK DRIVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SW3	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	05-00005-00-RP	MADISON	42	37
		PLOT SCALE = 1/51/256" = 1'	CHECKED - TLC		REVISED -			CONTRACT NO. 07384			
		PLOT DATE = 2009-05-07	DATE = 2009-03-17		REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
AREAS CHECKED	
NO.	

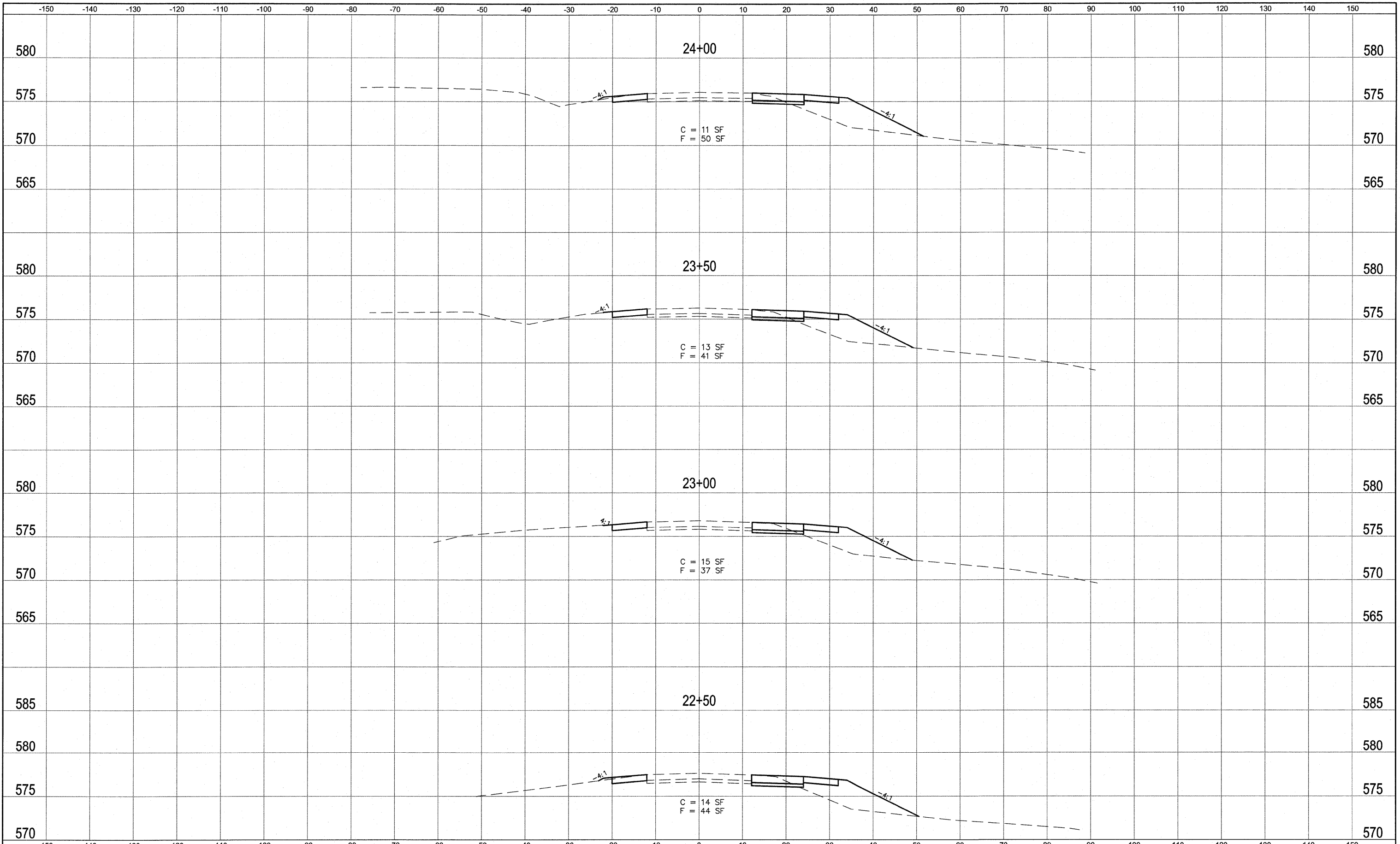
FILE NAME = 519MN02.DWG  
 USER NAME = SAM WRIGLEY  
 PLOT SCALE = 1/4" = 1'  
 PLOT DATE = 2009-05-07

DESIGNED -	AJG	REVISED -	
DRAWN -	SW3	REVISED -	
CHECKED -	TLC	REVISED -	
DATE -	2009-03-17	REVISED -	



CROSS SECTIONS  
 UNIVERISTY PARK DRIVE  
 SCALE: SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_ TO STA. \_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	38
CONTRACT NO. 97384				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



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

DATE	
BY	
ORIGINAL SURVEY	
SURVIVED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -
		DRAWN - SW3	REVISED -
		CHECKED - TLC	REVISED -
		DATE - 2009-03-17	REVISED -

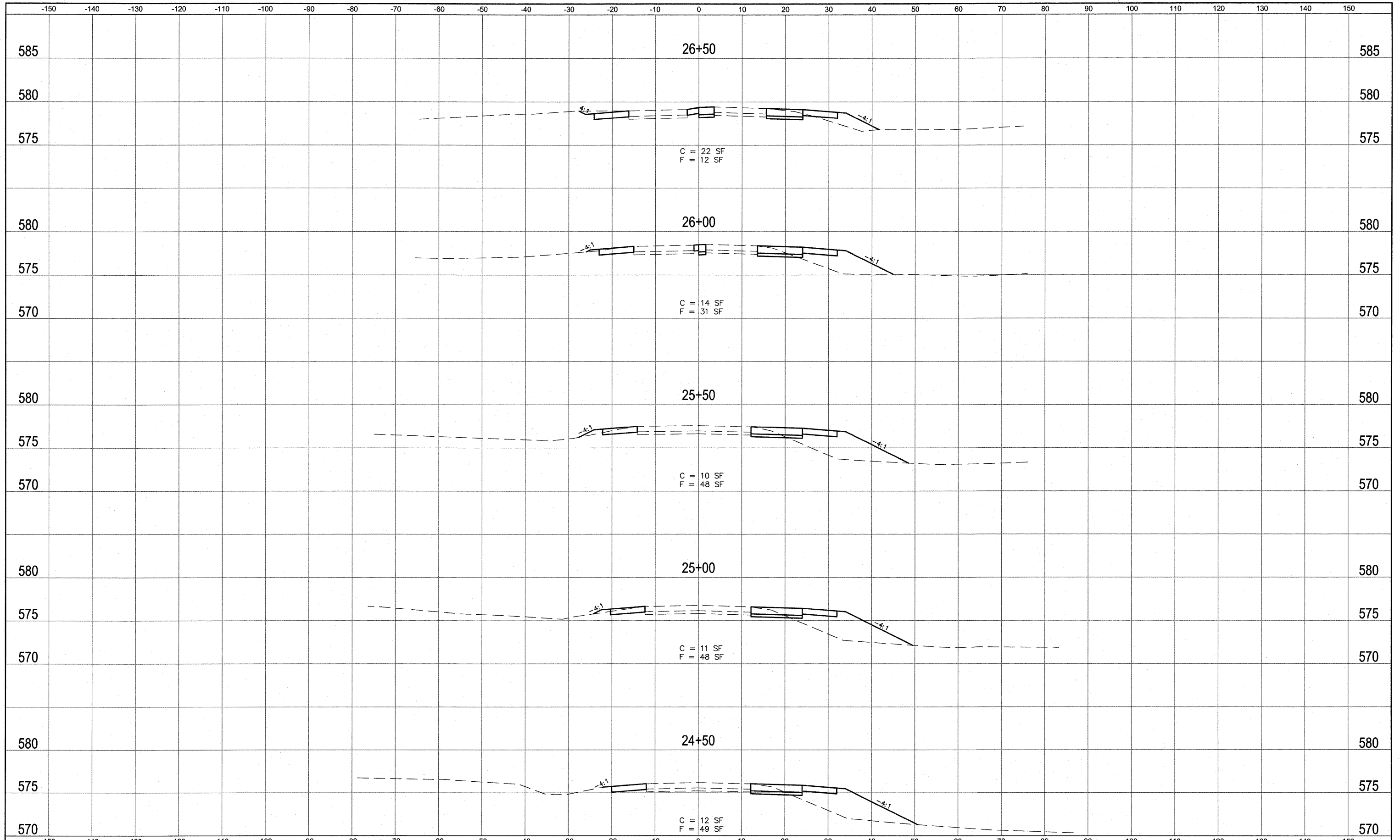


CROSS SECTIONS	
UNIVERSITY PARK DRIVE	
SCALE:	SHEET NO. ___ OF ___ SHEETS
	STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	39
CONTRACT NO. 97384				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
NO.	

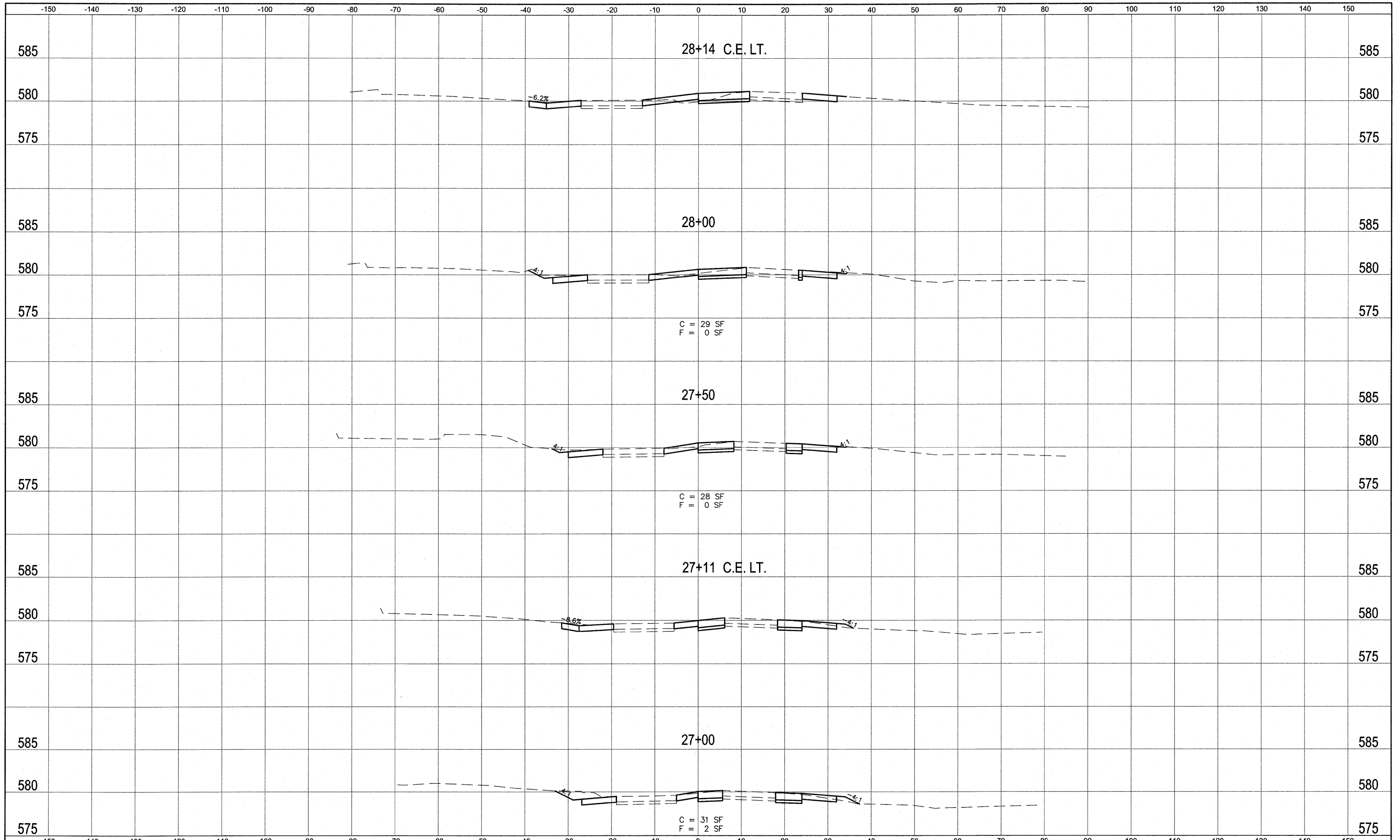


FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY</b> <b>EDWARDSVILLE</b>	<b>CROSS SECTIONS</b> <b>UNIVERSITY PARK DRIVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - SW3	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	05-00005-00-RP	MADISON	42	40	
		CHECKED - TLC	REVISED -								CONTRACT NO. 91384	
		DATE - 2009-03-17	REVISED -								ILLINOIS FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
AREAS	
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FINAL SURVEY	
NOTE BOOK	

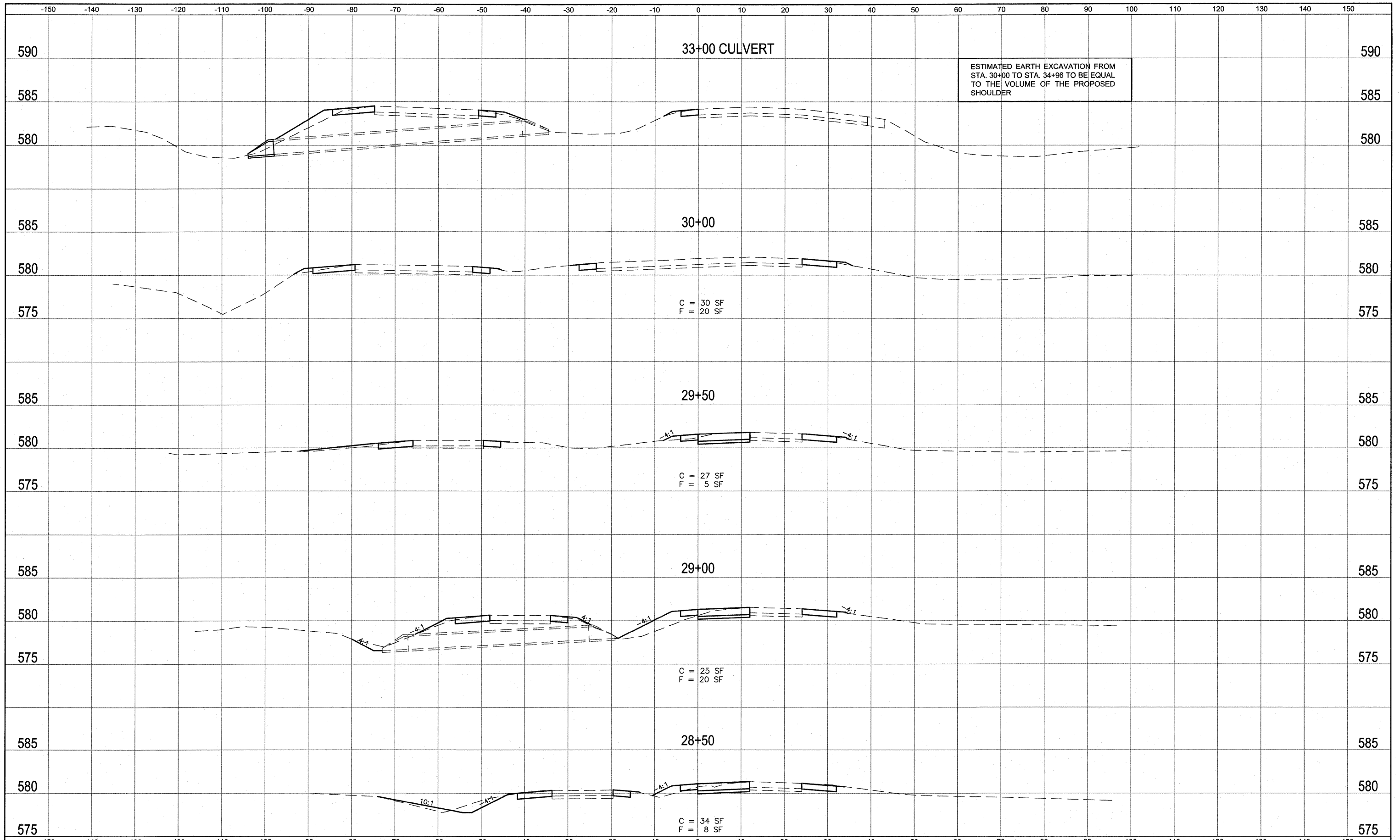
DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	



FILE NAME = 519MN02.DWG	USER NAME = SAM WRIGLEY	DESIGNED - AJG	REVISED -	<b>SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE</b>	<b>CROSS SECTIONS UNIVERSITY PARK DRIVE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SW3	REVISED -					05-00005-00-RP	MADISON	42	41	
		CHECKED - TLC	REVISED -									CONTRACT NO. 97384
		DATE - 2009-03-17	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTEBOOK NO.	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTEBOOK NO.	



FILE NAME = 519MN02.DWG  
 USER NAME = SAM WRIGLEY  
 PLOT SCALE = 1/4" = 1'  
 PLOT DATE = 2009-05-07

DESIGNED - AJG  
 DRAWN - SW3  
 CHECKED - TLC  
 DATE - 2009-03-17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -



CROSS SECTIONS  
 UNIVERISTY PARK DRIVE  
 SCALE: SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_ TO STA. \_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00005-00-RP	MADISON	42	42
CONTRACT NO. 91384				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		