

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

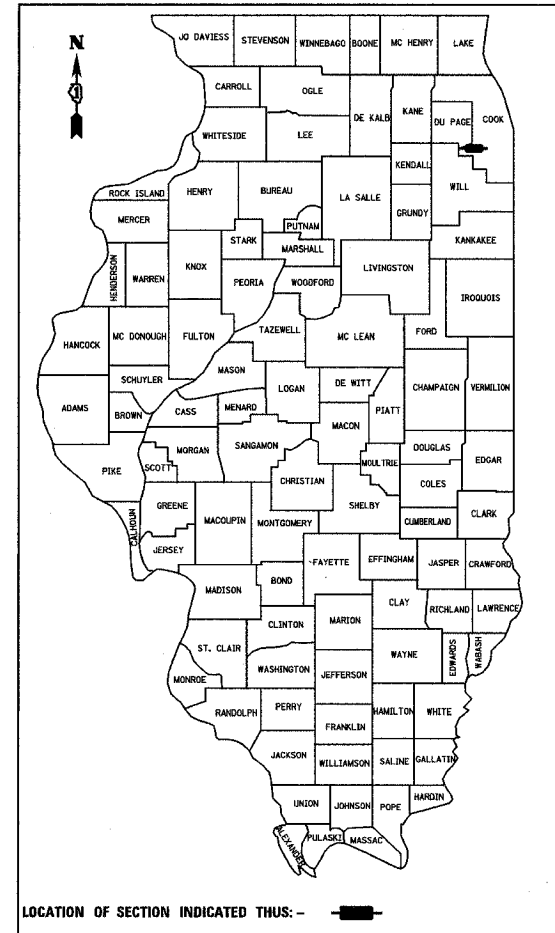
**PLANS FOR PROPOSED  
FEDERAL AID PROJECT  
CENTENNIAL TRAIL, (COOK COUNTY)  
WILL COUNTY LINE TO RIVER ROAD EAST TERMINUS  
BICYCLE TRAIL  
SECTION 94-F3000-05-BT  
PROJECT ACTE-D001 (610)  
JOB C-91-374-01  
FOREST PRESERVE DISTRICT OF COOK COUNTY**

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	1

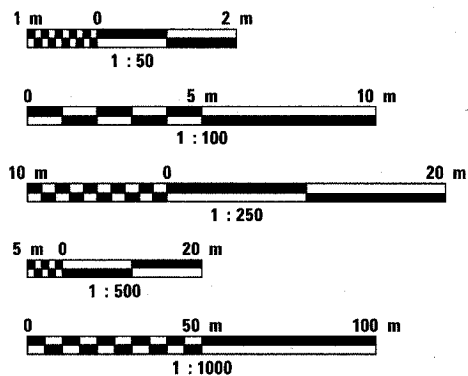
CONTRACT NO. 83859

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**METRIC RATIOS**



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

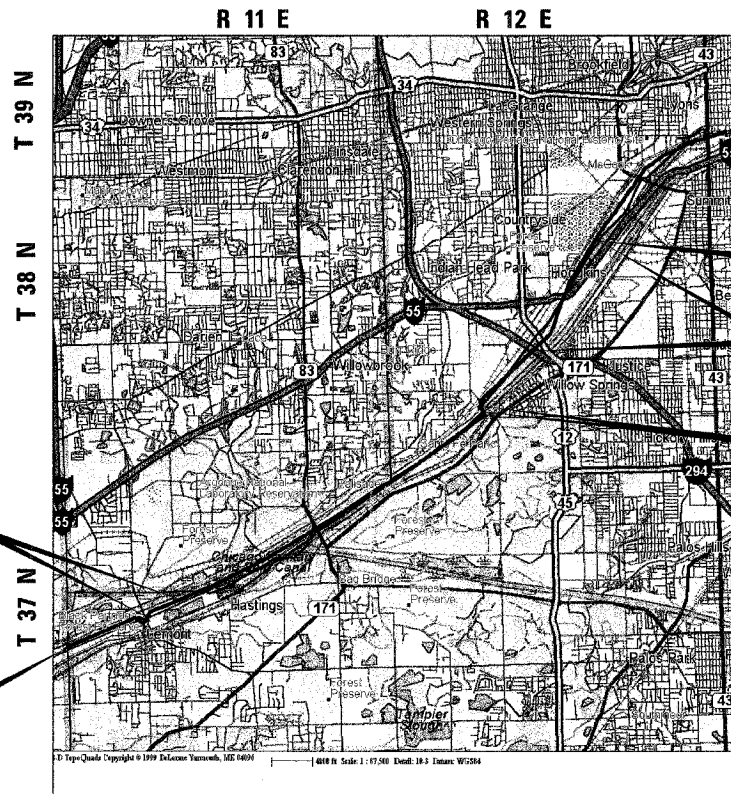
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123

**CONTRACT NO. 83859**

DESIGN DESIGNATION  
BIKE PATH  
DESIGN SPEED LIMIT  
20 MPH

PAVING OMISSION  
STA. 2+799 AH  
TO STA. 3+900

BEGIN CONSTRUCTION  
STA. 0+000



LOCATION MAP  
SCALE 1:20,000

GROSS LENGTH = 20,943 METERS  
NET LENGTH = 20,766 METERS

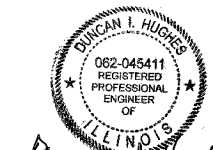
COOK COUNTY:  
STA. 0+000 TO STA. 4+011  
STA. 8+335 TO STA. 20+943

DUPAGE COUNTY:  
STA. 4+011 TO STA. 8+335

END CONSTRUCTION  
STA. 20+943

PAVING OMISSION  
STA. 17+150 TO  
STA. 20+943

PAVING OMISSION  
STA. 14+758 TO  
STA. 14+946



*Duncan L. Hughes*

11/30/2007 DATE: 11/06/2006

**AGENCY RESPONSIBLE FOR LETTING**

APPROVED NOVEMBER 8, 2006  
*Alvin Miller* DIRECTOR OF PLANNING  
FOREST PRESERVE DISTRICT OF COOK COUNTY

PASSED NOVEMBER 8, 2006  
*Cheryl Henderson Holt*  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW Nov 8, 2006  
*Diane O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

PLANS PREPARED BY:

**URS** 100 S. WACKER DR. SUITE 500  
CHICAGO, IL, 60606  
TEL. (312)-939-1000  
FAX (312)-939-4198

FEDERAL AID PROGRAM ENGINEER: JESSICA FELICIANO (847) 705-4487

**PLAN NOTES**

**GENERAL NOTES** BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

ALL STATION-OFFSET CALL OUTS AND CURVE DATA ON THE PLANS REFER TO THE PROPOSED CENTERLINE UNLESS OTHERWISE SHOWN.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS

**STANDARDS** ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF IDOT AS LISTED ON THIS SHEET.

**COORDINATION** THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY DEPARTMENT OF TRANSPORTATION, THE VILLAGE OF LEMONT, THE VILLAGE OF WILLOW SPRINGS, THE VILLAGE OF HODGKINS, THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO, THE FOREST PRESERVE DISTRICT OF DU PAGE COUNTY AND THE FOREST PRESERVE DISTRICT OF COOK COUNTY AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK WITHIN THEIR RESPECTIVE JURISDICTIONS, AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.

**PUBLIC OR PRIVATE UTILITIES** THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND THE DISTRICT DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS". THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS SO THAT THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED IN THE PLANS. ALL RELOCATION WORK ON EXISTING PRIVATE UTILITIES WILL BE CONSTRUCTED BY THE OWNER OF THAT UTILITY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY AT HIS/HER OWN EXPENSE.

**SURVEY MONUMENTS** THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE MONUMENTS ARE REMOVED.

**EXISTING DRAINAGE STRUCTURES** DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**UNSUITABLE MATERIAL** BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL, THE CONTRACTOR SHALL TREAT THE SUBGRADE AS PER ARTICLE 301.03 OF THE "STANDARD SPECIFICATIONS" TO THE SATISFACTION OF THE ENGINEER. UNSUITABLE MATERIAL SHALL NOT BE USED AS EMBANKMENT OR FILL UNDER THE PROPOSED PATH AS SHOWN ON THE TYPICAL CROSS SECTIONS.

**STOCKPILES** STOCKPILES OF TOPSOIL AND OTHER MATERIALS SHALL NOT BE LOCATED WITHIN A SPECIAL MANAGEMENT AREA. APPROVAL OF THE LOCATION MUST BE OBTAINED FROM THE ENGINEER PRIOR TO PLACEMENT.

IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THE EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR.

**TREE TRIMMING** ALL BRANCHES THAT ARE LESS THAN 12 FEET ABOVE THE SURFACE OF THE TRAIL SHALL BE REMOVED BY A CERTIFIED ARBORIST PROVIDED BY THE CONTRACTOR. THIS WORK WILL BE PAID FOR AS PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE.

**ACCESS TO ABUTTING PROPERTY** THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.

**SAW CUTTING** THE LIMITS OF REMOVAL OF ALL CONCRETE OR BITUMINOUS PAVEMENTS, CURBING OR SIDEWALK ADJACENT TO EXISTING LIKE PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE "STANDARD SPECIFICATIONS" AND AT THE DIRECTION OF THE ENGINEER. THE SAW CUTTING OF BITUMINOUS PAVEMENT, DRIVEWAYS, CURBING OR SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR AS SEPARATE ITEMS.

**SIDEWALKS** SIDEWALK RAMPS FOR THE HANDICAPPED SHALL BE PROVIDED AT ALL ROADWAY AND CURBED DRIVEWAY INTERSECTIONS AS SHOWN IN THE STANDARDS. ADJACENT PAVEMENT OR SIDEWALK DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR. THE COST FOR RAMPS AND RESTORATION OF ADJACENT PAVEMENT SHALL BE INCIDENTAL TO SIDEWALK REMOVAL.

**RESTORATION** GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 150 mm TOPSOIL AND SEED OR SOD AS SPECIFIED. PAYMENT SHALL BE ACCORDING TO THE ITEMS USED. USE BLANKET IN SEEDED AREAS LOCATED WITHIN FLOW LINES, ALONG THE SHORELINE OF THE CREEK, AND ON SLOPES 1:3 OR GREATER.

**CONSTRUCTION LIMITS** CONTRACTOR SHALL CONFINE HIS OPERATIONS AND EQUIPMENT TO THE IMMEDIATE VICINITY OF THE TRAIL AND APPURTENANT CONSTRUCTION SO AS TO AVOID IMPACT TO THE WETLANDS AND/OR RIPARIAN AREAS.

**SEDIMENTATION AND EROSION CONTROL NOTES**

- A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
- C. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING OF THE SOIL.
- D. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- F. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
- G. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- H. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL PRIOR TO THE START OF ANY EARTHWORK.
- I. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED.
- J. EROSION CONTROL MEASURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF THE DUPAGE COUNTY STORMWATER AND FLOODPLAIN ORDINANCE SPECIFICATIONS AT ALL TIMES.
- K. EROSION CONTROL BARRIERS, SHOWN ON PLANS, SHALL CONSIST OF DOUBLE ROWS OF EROSION CONTROL BARRIERS.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	2
STA.	TO STA.		
PROJECT NO. TE-0001 (610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

**HIGHWAY STANDARDS**

- 000001-4 STANDARD SYMBOLS, ABBREVIATIONS AND PATERNS
- 280001-03 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-04 CURB RAMPS FOR SIDEWALK
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 606001-03 CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB AND GUTTER
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 630301-04 SHOULDER WIDENING FOR TYPY 1 (SPECIAL) GUARDRAIL TERMINALS
- 664001-01 CHAIN LINK FENCE
- 701501-03 URBAN LANE CLOSURE 2L 2W UNDIVIDED
- 701606-04 URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
- 701801-03 URBAN LANE CLOSURE MULTILANE 1N OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 702001-06 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNTING DETAILS
- 720006-01 SIGN PANEL ERECTION DETAILS
- 720011 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 729001 APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-01 TYPICAL PAVEMENT MARKINGS

**STATION EQUATIONS:**

THE FOLLOWING STATION EQUATIONS OCCUR IN THESE PLACES  
 STA. 2+550.786 BK = STA. 2+550.000 AH  
 STA. 2+810.673 BK = STA. 2+799.146 AH  
 STA. 14+964.821 BK = STA. 14+970.040 AH  
 STA. 17+256.616 BK = STA. 17+220.373 AH

**FLOODPLAIN MANAGEMENT**

THE COMPENSATORY STORAGE SHALL BE PROVIDED AND OPERATED PRIOR TO PLACEMENT OF THE FILL, STRUCTURES OR OTHER MATERIALS IN THE REGULATORY FLOODPLAIN.

**CONSTRUCTION ACCESS LOCATIONS**

THE CONSTRUCTION ACCESS LOCATIONS SHALL AVOID WETLAND, WETLAND BUFFER AND RIPARIAN AREAS.

REVISIONS		
NO.	NAME	DATE

**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
 CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**

**GENERAL CONSTRUCTION NOTES  
 AND HIGHWAY STANDARDS**

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: DIH CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	3
STA. TO STA.			
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

CODE NO	PAY ITEM	UNIT	TOTAL QUANTITY Y047	FOREST PRESERVE DISTRICT OF COOK COUNTY Y047	FOREST PRESERVE DISTRICT OF DUPAGE COUNTY Y047
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	100%	0%
20101200	TREE ROOT PRUNING	EACH	50	40	10
M2010110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNIT	500	400	100
M2010210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNIT	1,000	800	200
M2020010	EARTH EXCAVATION	CU M	10,260	10,260	0
M2020020	ROCK EXCAVATION	CU M	14	14	0
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	23,889	19,655	4,234
M2040800	FURNISHED EXCAVATION	CU M	2,087	0	2,087
M2070420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU M	3,983	3,277	706
M2080150	TRENCH BACKFILL	CU M	55	55	0
M2101000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ M	51,628	37,588	14,040
M2113150	TOPSOIL FURNISH AND PLACE, 150 MM	SQ M	53,090	40,540	12,550
* M2500115	SEEDING, CLASS 1B	HA	1.74	1.26	0.48
* M2500300	SEEDING, CLASS 3	HA	0.05	0.05	0.00
* M2500312	SEEDING, CLASS 4A	HA	3.58	2.79	0.79
* M2500400	NITROGEN FERTILIZER NUTRIENT	KG	485	359	126
* M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	485	359	126
* M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	485	359	126
M2510630	EROSION CONTROL BLANKET	SQ M	53,090	40,540	12,550
M2520200	SUPPLEMENTAL WATERING	UNIT	100	80	20
28000300	TEMPORARY DITCH CHECKS	EACH	44	44	0
M2800400	PERIMETER EROSION BARRIER	METER	14,190	11,040	3,150
M2810103	RIPRAP, CLASS A2	SQ M	128	128	0
M2820200	FILTER FABRIC	SQ M	128	128	0
M3511100	AGGREGATE BASE COURSE, TYPE B 100 MM	SQ M	3,360	730	2,630
M3511150	AGGREGATE BASE COURSE, TYPE B 150 MM	SQ M	45,930	34,230	11,700
M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	100,200	70,240	29,960
M4205200	PROTECTIVE COAT	SQ M	41	35	6
M4240150	PORTLAND CEMENT CONCRETE SIDEWALK 150MM	SQ M	41	35	6
M4248000	DETECTABLE WARNINGS	SQ M	14	12	2
M4402000	PAVEMENT REMOVAL	SQ M	29	29	0
M4402045	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	METER	14	14	0
M4402050	SIDEWALK REMOVAL	SQ M	10	10	0
M4812000	AGGREGATE SHOULDERS, TYPE B	M TON	668	332	336
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1	1	0
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1	0
* M6300100	STEEL PLATE BEAM GUARD RAIL, TYPE A	METER	64	64	0
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	3	3	0
M6320030	GUARDRAIL REMOVAL	METER	27	27	0

\* INDICATES SPECIALTY ITEMS

REVISIONS		
NO.	NAME	DATE

**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**  
SUMMARY OF QUANTITIES

DATE: 10/20/06 DRAWN BY:  
DESIGNED BY: MIA, DIH CHECKED BY: DDL

CODE NO	PAY ITEM	UNIT	TOTAL QUANTITY Y047	FOREST PRESERVE DISTRICT OF COOK COUNTY Y047	FOREST PRESERVE DISTRICT OF DUPAGE COUNTY Y047
M6330440	RUB RAIL	METER	64	64	0
63400105	GUARD POSTS	EACH	402	402	0
M6640100	CHAIN LINK FENCE, 1.2M	METER	136	136	0
M6641910	CHAIN LINK FENCE (SPECIAL)	METER	8	8	0
M6641920	CHAIN LINK FENCE REMOVAL	METER	17	17	0
M6641930	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	METER	1,471	1,471	0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	10	80%	20%
67100100	MOBILIZATION	L SUM	1	80%	20%
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	75%	25%
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	75%	25%
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	75%	25%
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	75%	25%
M7200100	SIGN PANEL - TYPE 1	SQ M	20.9	20.0	0.9
M7200205	SIGN PANEL - TYPE 2 (SPECIAL)	SQ M	1.2	1.2	0.0
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	0
M7290100	METAL POST - TYPE A	METER	219	209	10
* M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	60	60	0
* M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	121	119	2
* M7800205	PAINT PAVEMENT MARKING - LINE 100MM	METER	15,227	11,330	3,897
* M7800800	PERMANENT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	14	12	2
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	0
M542E116	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 375MM	EACH	28	28	0
M542H020	PIPE CULVERTS, CLASS A, TYPE 1 300MM	METER	13	13	0
M542H025	PIPE CULVERTS, CLASS A, TYPE 1 375MM	METER	79	79	0
* A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	30	30	0
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	30	30	0
* K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	LSUM	1	80%	20%
X0321322	DROP GATE	EACH	1	0	1
XX006669	DROP GATE, SPECIAL	EACH	6	6	0
MX032529	SEGMENTAL CONCRETE BLOCK WALL	SQ M	281	281	0
MX032639	WEED CONTROL, TEASEL	LITER	10	8	2
M4063310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	M TON	5,784	4,310	1,474
M4063335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	M TON	389	86	303
M4063080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	M TON	516	112	404
XX006670	TRAIL HEAD SIGN, COMPLETE	EACH	2	2	0
MX030567	RUSTIC RAIL FENCE	METER	95	95	0

\* INDICATES SPECIALTY ITEMS

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94-F3000-05-BT	COOK	102	4
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CENTENNIAL TRAIL			
CONTRACT NO. 83859			

REVISIONS		
NO.	NAME	DATE

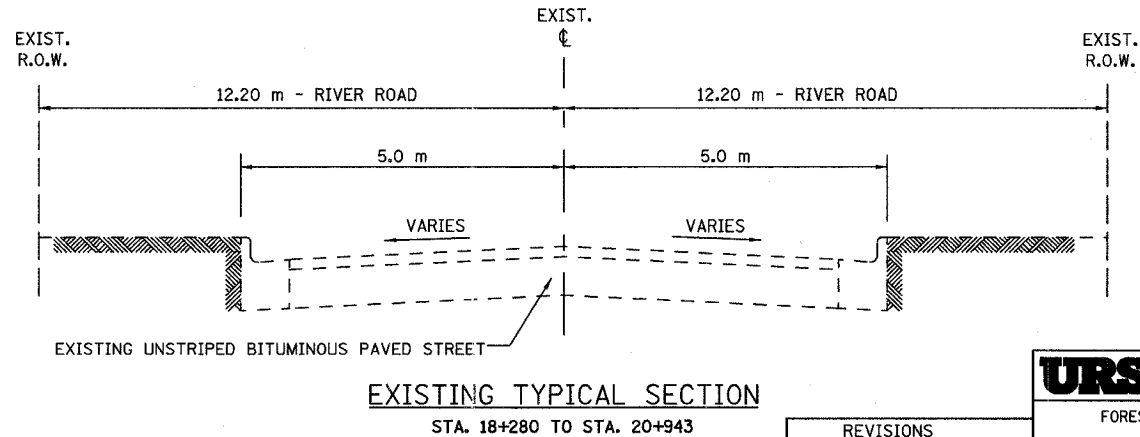
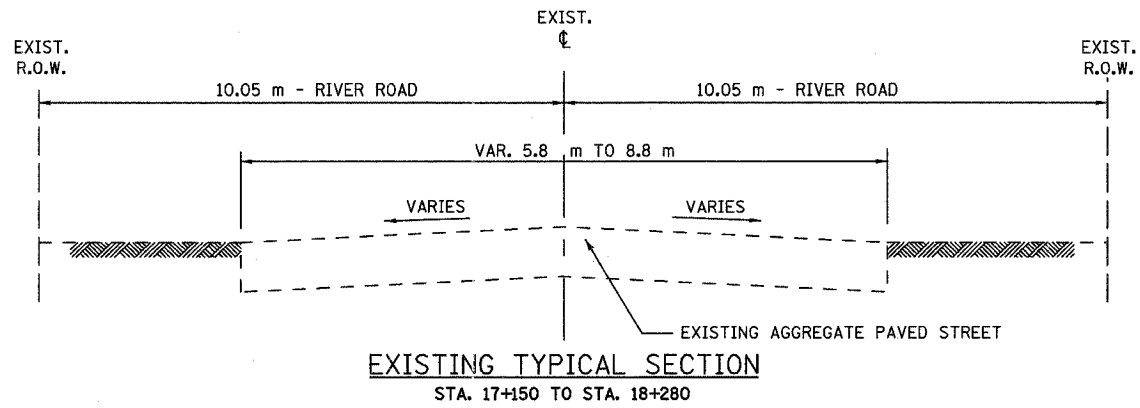
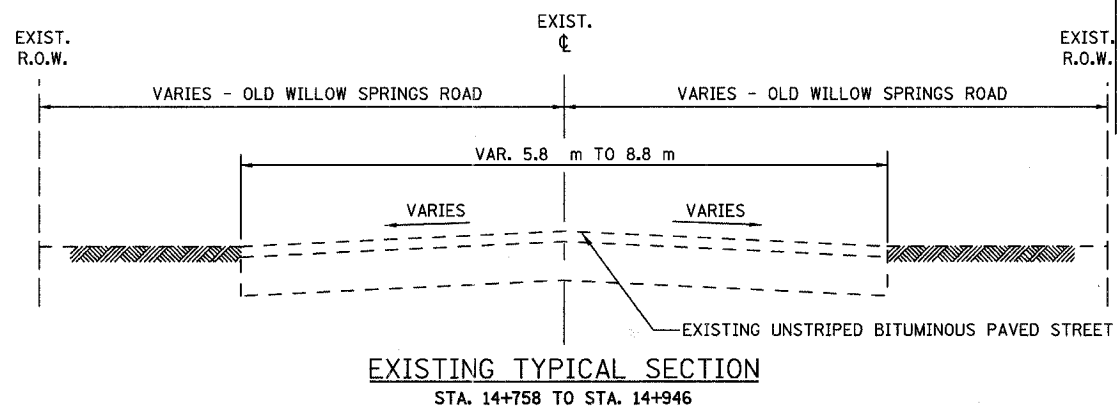
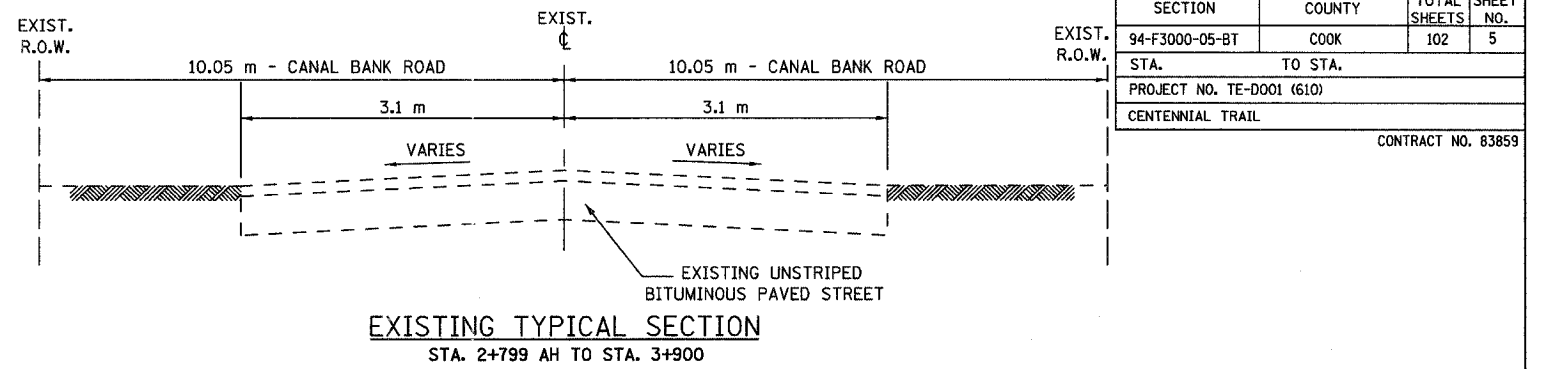
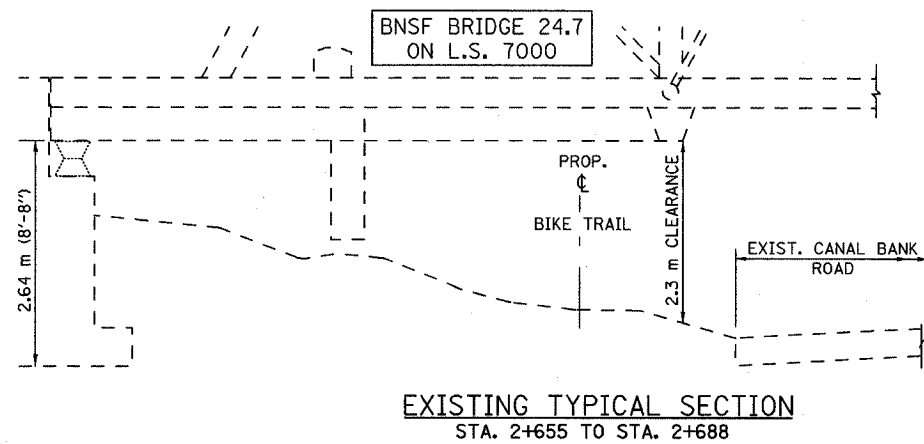
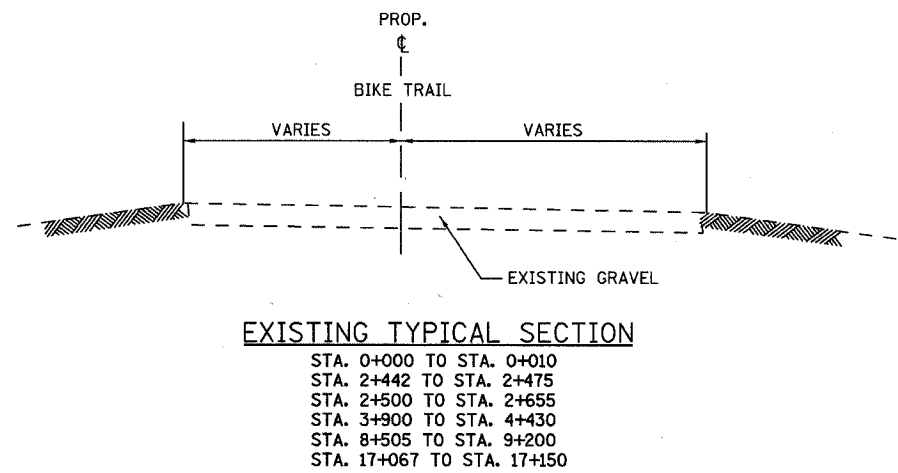
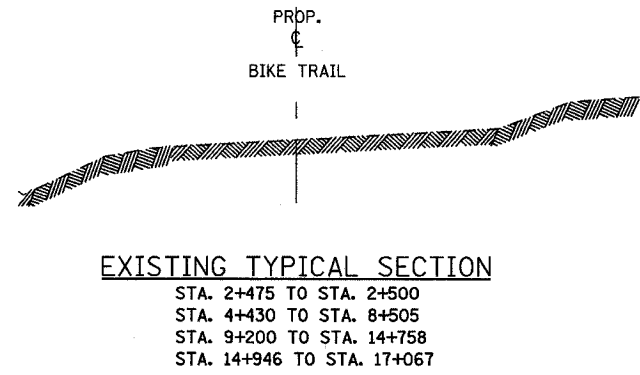
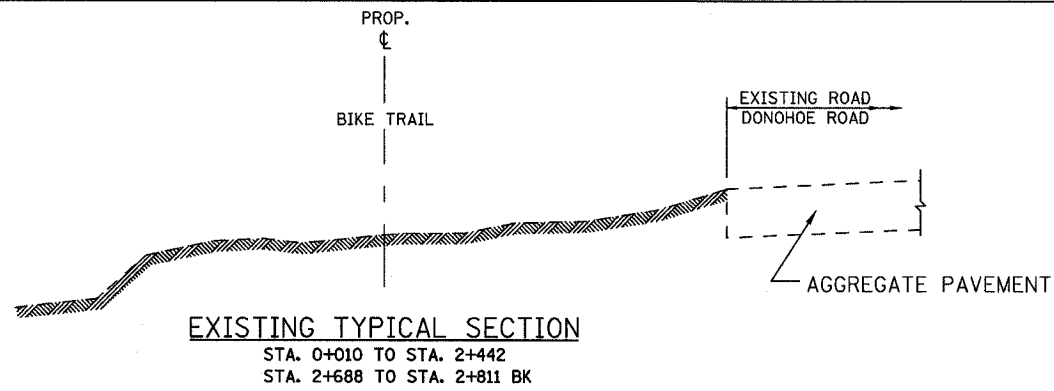
**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
CENTENNIAL TRAIL

SUMMARY OF QUANTITIES

DATE: 10/20/06 DRAWN BY:  
DESIGNED BY: MIA, DIH CHECKED BY: DDL





SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	5
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

REVISIONS		
NO.	NAME	DATE

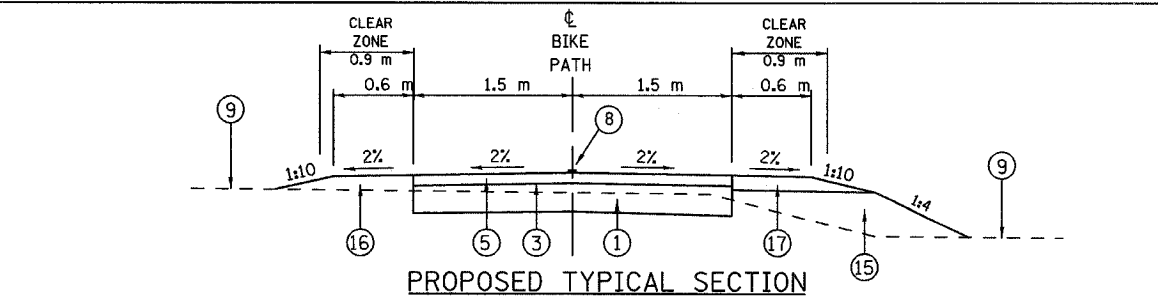
**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
 CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**  
 EXISTING  
 TYPICAL SECTIONS

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DDL

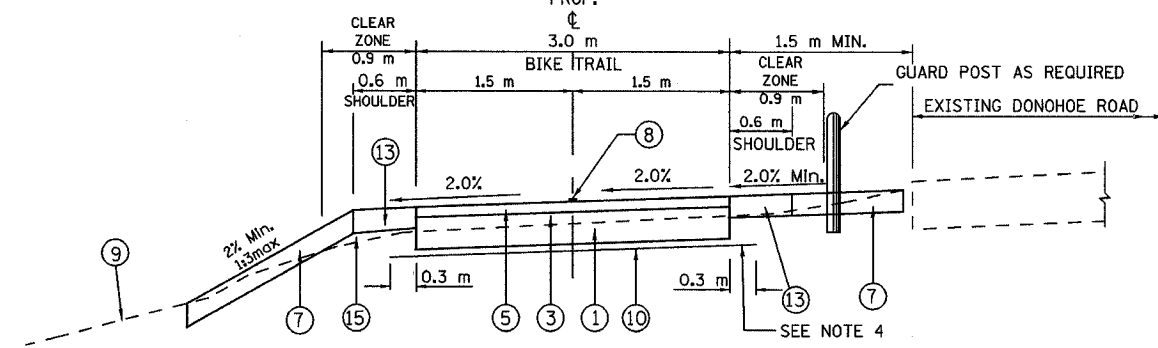
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	6
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



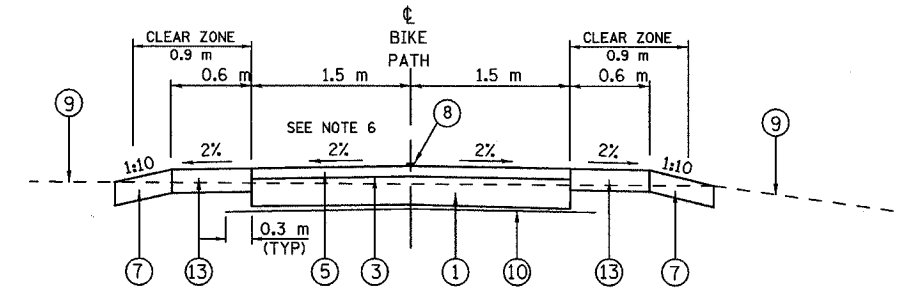
**PROPOSED TYPICAL SECTION**

STA. 0+000 TO STA. 0+010  
 STA. 2+442 TO STA. 2+475  
 STA. 2+500 TO STA. 2+655  
 STA. 8+505 TO STA. 9+200  
 STA. 17+067 TO STA. 17+150  
 PROP.



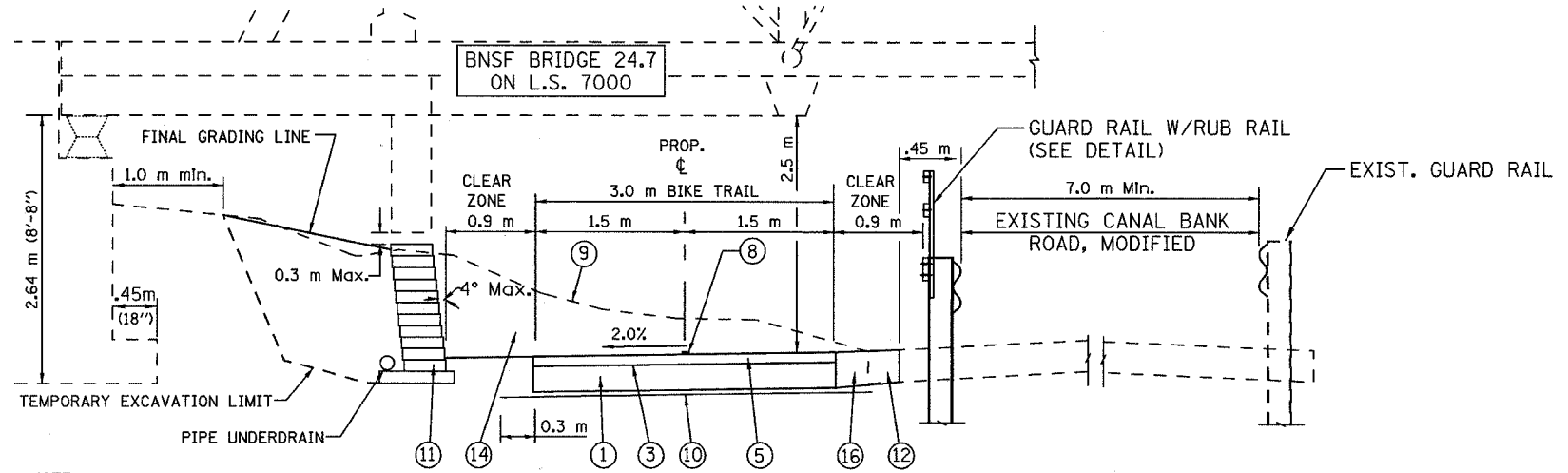
**PROPOSED TYPICAL SECTION**

STA. 0+010 TO STA. 2+442  
 STA. 2+688 TO STA. 2+811 BK



**PROPOSED TYPICAL SECTION**

STA. 2+475 TO STA. 2+500  
 STA. 4+435 TO STA. 8+505  
 STA. 9+200 TO STA. 14+758  
 STA. 17+060 TO STA. 17+067



**PROPOSED TYPICAL SECTION**

STA. 2+655 TO STA. 2+688

**NOTE 1:**  
 SEGMENTAL BLOCK RETAINING WALL TO BE DIMENSIONED AND CONSTRUCTED PER MANUFACTURERS STANDARDS

**LEGEND:**

- ① AGGREGATE BASE COURSE, TYPE B, 150 mm
- ② AGGREGATE BASE COURSE, TYPE B, 100 mm
- ③ BITUMINOUS MATERIALS, PRIME COAT
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 60 mm
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 50 mm
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 45 mm
- ⑦ TOP SOIL FURNISH AND PLACE, 150 mm AND SEEDING CLASS 4A
- ⑧ PAINT PAVEMENT MARKING, 100 mm YELLOW
- ⑨ EXISTING GROUND
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑪ SEGMENTAL CONCRETE BLOCK WALL
- ⑫ EXISTING PAVEMENT TO BE REMOVED
- ⑬ TOP SOIL FURNISH AND PLACE, 150 mm AND SEEDING, CLASS 1 B
- ⑭ EARTH EXCAVATION
- ⑮ SUITABLE EMBANKMENT MATERIAL (NO TOPSOIL)
- ⑯ AGGREGATE SHOULDER, TYPE B
- ⑰ AGGREGATE SHOULDER, TYPE B, 150 mm

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF UNSUITABLE MATERIAL TO A DEPTH 300 mm BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 300 mm OF POROUS GRANULAR EMBANKMENT SUBGRADE AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

WHERE THE TYPICAL SECTION INDICATES A CONSTANT CROSS-SLOPE ACROSS THE TRAIL, THE CONTRACTOR SHALL CONSTRUCT THE PATH SO THAT THE CROSS SLOPE IS IN THE DIRECTION OF THE GROUND SLOPE.

**NOTE 3:**

WHERE THE TRAIL, RUNS ADJACENT TO DONOHUE ROAD, THE GROUND BETWEEN THE TRAIL AND THE ROAD SHALL BE SHAPED TO ELIMINATE ANY SWALE, DITCH, OR LOW SPOTS.

**NOTE 4:**

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 5:**

AT ALL INTERSECTIONS OF BIKE PATH AND STREETS/DRIVEWAYS DEPRESS THE CURB (IF APPLICABLE) AND KEEP EXISTING PAVEMENT ELEVATIONS.

**BITUMINOUS MIXTURE REQUIREMENTS**

ITEM	AC TYPE	VOIDS	USAGE
HOT-MIX ASPHALT SURFACE COURSE, MIX. C, N50	PG 64-22	4% @ 50 GYR	BIKE PATH SURFACE
HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N50	PG 64-22	4% @ 50 GYR	STREET SURFACE COURSE
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	PG 64-22	4% @ 50 GYR	STREET BINDER COURSE

THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS MIXTURES IS 112 LBS/SQ YD/IN AND/OR THE METRIC EQUIVALENT 2.39 KG/SM/MM.

- WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

REVISIONS		
NO.	NAME	DATE

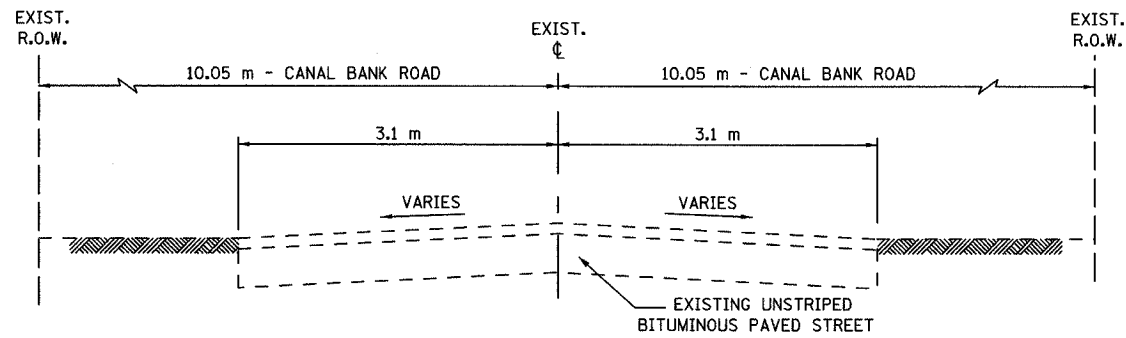
**URS** 100 S. WACKER DR., SUITE 500 CHICAGO, IL 60606 TEL (312)-939-1000 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**  
 PROPOSED TYPICAL SECTIONS

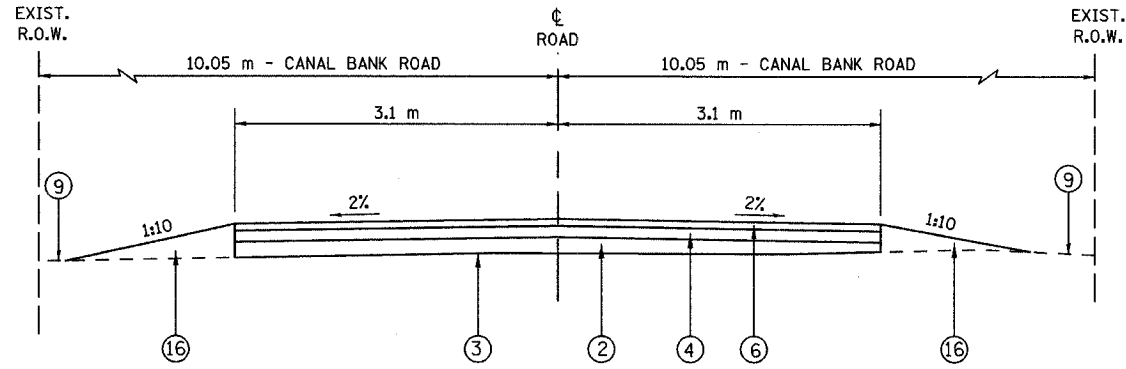
DATE: 10/20/06  
 DESIGNED BY: MIA, DIH  
 DRAWN BY: VAP  
 CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	7
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

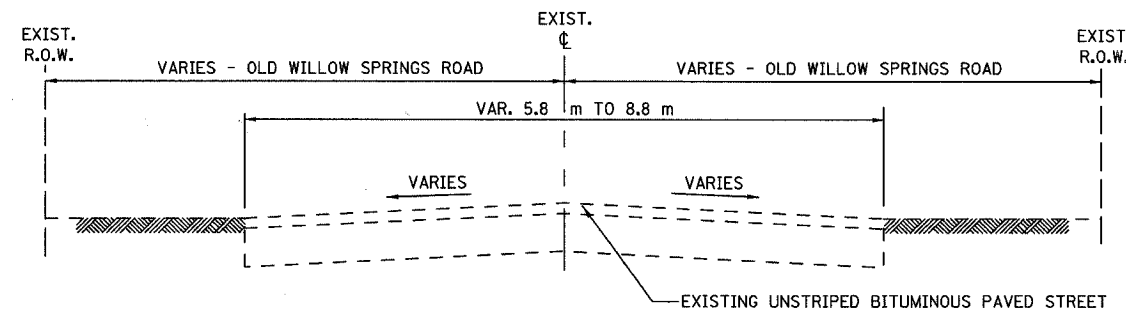
CONTRACT NO. 83859



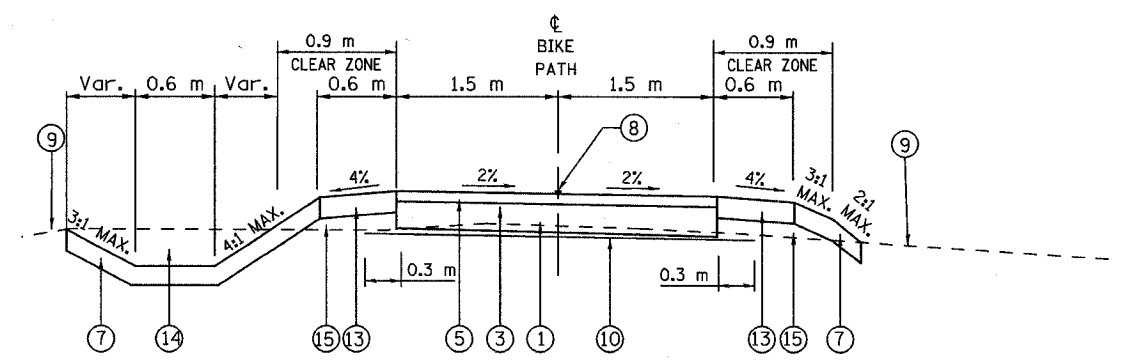
**PROPOSED TYPICAL SECTION**  
STA. 2+799 AH TO STA. 3+900



**PROPOSED TYPICAL SECTION**  
STA. 3+900 TO STA. 4+435



**PROPOSED TYPICAL SECTION**  
STA. 14+758 TO STA. 14+946



**PROPOSED TYPICAL SECTION**  
STA. 14+946 TO STA. 16+930

**LEGEND:**

- ① AGGREGATE BASE COURSE, TYPE B, 150 mm
- ② AGGREGATE BASE COURSE, TYPE B, 100 mm
- ③ BITUMINOUS MATERIALS, PRIME COAT
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 60 mm
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 50 mm
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 45 mm
- ⑦ TOP SOIL FURNISH AND PLACE, 150 mm AND SEEDING CLASS 4A
- ⑧ PAINT PAVEMENT MARKING, 100 mm YELLOW
- ⑨ EXISTING GROUND
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑪ SEGMENTAL CONCRETE BLOCK WALL
- ⑫ EXISTING PAVEMENT TO BE REMOVED
- ⑬ TOP SOIL FURNISH AND PLACE, 150 mm AND SEEDING, CLASS 1 B
- ⑭ EARTH EXCAVATION
- ⑮ SUITABLE EMBANKMENT MATERIAL (NO TOPSOIL)
- ⑯ AGGREGATE SHOULDER, TYPE B
- ⑰ AGGREGATE SHOULDER, TYPE B, 150 mm

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF UNSUITABLE MATERIAL TO A DEPTH 300 mm BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 300 mm OF POROUS GRANULAR EMBANKMENT SUBGRADE AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

WHERE THE TYPICAL SECTION INDICATES A CONSTANT CROSS-SLOPE ACROSS THE TRAIL, THE CONTRACTOR SHALL CONSTRUCT THE PATH SO THAT THE CROSS SLOPE IS IN THE DIRECTION OF THE GROUND SLOPE.

**NOTE 3:**

WHERE THE TRAIL, RUNS ADJACENT TO DONOHUE ROAD, THE GROUND BETWEEN THE TRAIL AND THE ROAD SHALL BE SHAPED TO ELIMINATE ANY SWALE, DITCH, OR LOW SPOTS.

**NOTE 4:**

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 5:**

AT ALL INTERSECTIONS OF BIKE PATH AND STREETS/DRIVEWAYS DEPRESS THE CURB (IF APPLICABLE) AND KEEP EXISTING PAVEMENT ELEVATIONS.

**NOTE 6:**

IN AREAS OF PRONOUNCED GROUND CROSS SLOPE CONTRACTOR SHALL CONSTRUCT A CONSTANT (SUPER-ELEVATED) TRAIL CROSS SLOPE OF 2% IN THE DIRECTION OF GROUND SLOPE.

REVISIONS		
NO.	NAME	DATE

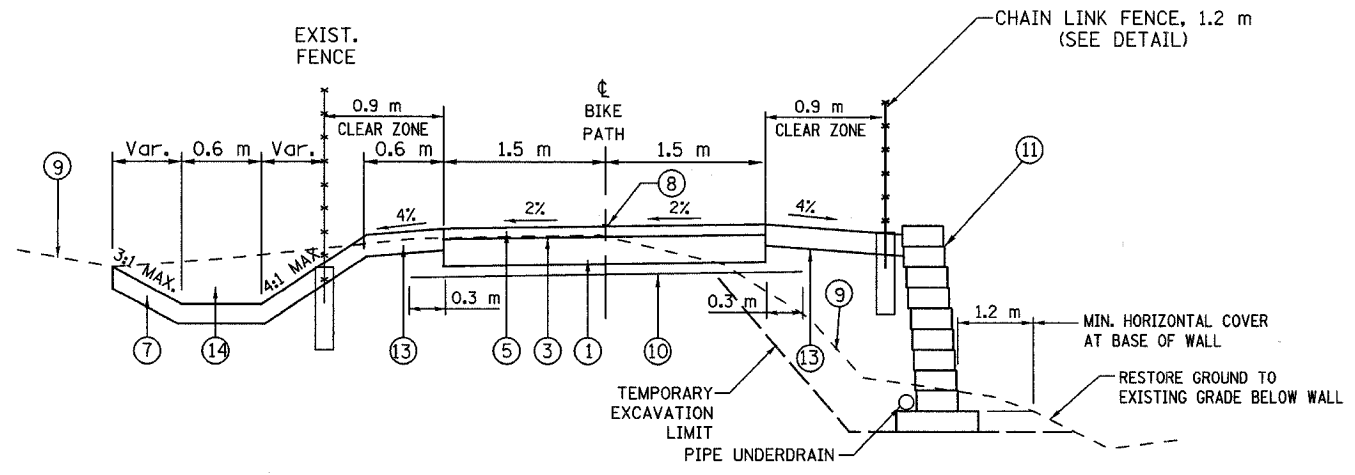
**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**  
PROPOSED  
TYPICAL SECTIONS

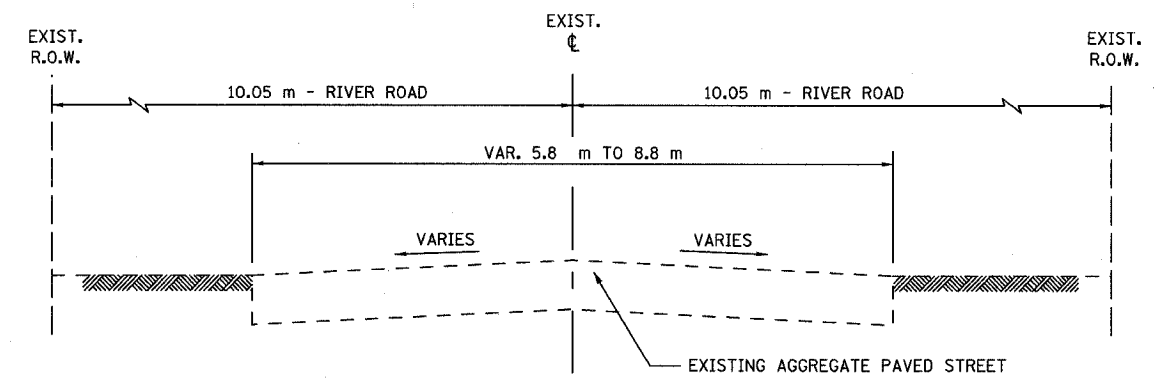
DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA, DIH CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	8
STA.	TO STA.		
PROJECT NO. TE-0001 (610)			
CENTENNIAL TRAIL			

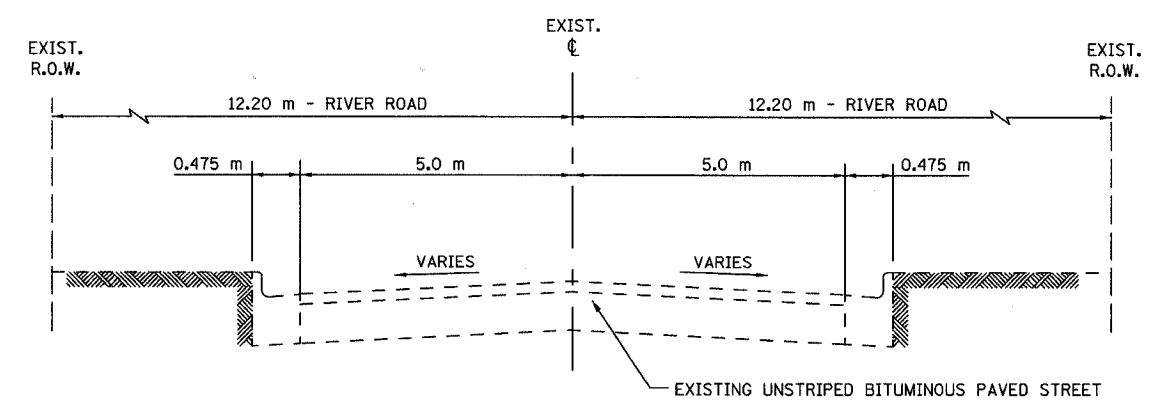
CONTRACT NO. 83859



**PROPOSED TYPICAL SECTION**  
STA. 16+930 TO STA. 17+060



**PROPOSED TYPICAL SECTION**  
STA. 17+150 TO STA. 18+280



**PROPOSED TYPICAL SECTION**  
STA. 18+280 TO STA. 20+943

**LEGEND:**

- ① AGGREGATE BASE COURSE, TYPE B, 150 mm
- ② AGGREGATE BASE COURSE, TYPE B, 100 mm
- ③ BITUMINOUS MATERIALS, PRIME COAT
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 60 mm
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 50 mm
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 45 mm
- ⑦ TOP SOIL FURNISH AND PLACE, 150 mm AND SEEDING CLASS 4A
- ⑧ PAINT PAVEMENT MARKING, 100 mm YELLOW
- ⑨ EXISTING GROUND
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑪ SEGMENTAL CONCRETE BLOCK WALL
- ⑫ EXISTING PAVEMENT TO BE REMOVED
- ⑬ TOP SOIL FURNISH AND PLACE, 150 mm AND SEEDING, CLASS 1 B
- ⑭ EARTH EXCAVATION
- ⑮ SUITABLE EMBANKMENT MATERIAL (NO TOPSOIL)
- ⑯ AGGREGATE SHOULDER, TYPE B
- ⑰ AGGREGATE SHOULDER, TYPE B, 150 mm

**NOTE 1:**

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REVISIONS		
NO.	NAME	DATE

**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**  
PROPOSED  
TYPICAL SECTIONS

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA, DIH CHECKED BY: DDL

**R O A D   S I G N S**

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	9
STA. TO STA.		PROJECT NO. TE-0001 (610)	
CENTENNIAL TRAIL		CONTRACT NO. 83859	

STATION	RT / LT	ROAD NAME	SIDE OF ROAD	LOCATION ALONG ROAD	MESSAGE	MUTCD CODE	WIDTH (MM)	DEPTH (MM)	AREA (SQ M)	POST TYPE A or S (Shared)	Type A POST LENGTH (M)
2+364	RT	Donahue Road	S	47 m west of Stephens Rd intersection	Bicycle Crossing Warning	W11-1	600	600	0.360	A	3.800
2+422	LT	Stephens Road	W	100 m N of trail C/L crossing Stephens Rd	Bicycle Crossing Warning	W11-1	600	600	0.360	A	3.800
2+423	LT	Stephens Road	W	5 m N of trail C/L crossing Stephens Rd	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.400
2+423	LT	Stephens Road	W	5 m N of trail C/L crossing Stephens Rd	Diagonal Plaque Arrow	W16-7p	600	600	0.360	S	0.000
2+435	RT	Stephens Road	E	5 m S of trail C/L crossing Stephens Rd	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.400
2+435	RT	Stephens Road	E	5 m S of trail C/L crossing Stephens Rd	Diagonal Plaque Arrow	W16-7p	600	600	0.360	S	0.000
2+432	RT	Stephens Road	E	47 m S of trail C/L crossing Stephens Rd	Bicycle Crossing Warning	W11-1	600	600	0.360	A	3.800
2+497	RT	Canal Bank Road	N	55 m SE of trail C/L crossing Stephens Rd	Bicycle Crossing Warning	W11-1	600	600	0.360	A	3.800
2+709	RT	Canal Bank Road	E	100 m S of trail entrance	Bicycle Crossing Warning	W11-1	600	600	0.360	A	3.800
2+801 BK	RT	Canal Bank Road	E	5 m S of trail entrance	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.100
2+801 BK	RT	Canal Bank Road	E	5 m S of trail entrance	Diagonal Plaque Arrow	W16-7p	600	300	0.180	S	0.000
2+804 FD	LT	Canal Bank Road	W	5 m N of trail entrance	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.100
2+804 FD	LT	Canal Bank Road	W	5 m N of trail entrance	Diagonal Plaque Arrow	W16-7p	600	300	0.180	S	0.000
2+819	LT	Canal Bank Road	W	20 m N of trail entrance	BIKE ROUTE	D11-1	600	450	0.270	A	3.875
2+819	LT	Canal Bank Road	W	20 m N of trail entrance	Right Arrow	M7-1R	300	225	0.068	S	0.000
2+819	RT	Canal Bank Road	E	20 m N of trail entrance	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
3+500	RT	Canal Bank Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
3+500	LT	Canal Bank Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
3+865	LT	Canal Bank Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
3+910	RT	Canal Bank Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
4+400	LT	Canal Bank Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
14+892	LT	Old Willow Springs Road	W	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.875
14+892	LT	Old Willow Springs Road	W	per trail stationing	Up Arrow	M7-2	300	225	0.068	S	0.000
14+926	RT	Old Willow Springs Road	E	20 m S of trail entrance	BIKE ROUTE	D11-1	600	450	0.270	A	3.875
14+926	RT	Old Willow Springs Road	E	20 m S of trail entrance	Right Arrow	M7-1R	300	225	0.068	S	0.000
14+940	RT	Old Willow Springs Road	E	5 m S of trail entrance	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.100
14+940	RT	Old Willow Springs Road	E	5 m S of trail entrance	Diagonal Arrow Plaque	W16-7p	600	300	0.180	S	0.000
14+942	LT	Old Willow Springs Road	W	opposite trail entrance	BIKE ROUTE	D11-1	600	450	0.270	A	3.875
14+942	LT	Old Willow Springs Road	W	opposite trail entrance	Left Arrow	M7-1L	300	225	0.068	S	0.000
14+942	LT	Old Willow Springs Road	W	5 m N of trail entrance	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.100
14+942	LT	Old Willow Springs Road	W	5 m N of trail entrance	Diagonal Arrow Plaque	W16-7p	600	300	0.180	S	0.000
14+945	LT	Willow Springs Road	W	100 m N of trail crossing	Bicycle Crossing Warning	W11-1	600	600	0.360	A	3.800
14+948	LT	Willow Springs Road	W	5 m N of trail	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.100
14+948	LT	Willow Springs Road	W	5 m N of trail	Diagonal Arrow Plaque	W16-7p	600	300	0.180	S	0.000
14+972	RT	Willow Springs Road	E	5 m S of trail	Bicycle Crossing Warning	W11-1	600	600	0.360	A	4.100
14+972	RT	Willow Springs Road	E	5 m S of trail	Diagonal Arrow Plaque	W16-7p	600	300	0.180	S	0.000
14+972	RT	Willow Springs Road	E	150 m S of trail; attach to bridge rail	Bicycle Crossing Warning	W11-1	600	600	0.360	A	2.700
17+200	RT	River Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
17+492	LT	River Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
17+575	RT	River Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
18+280	LT	River Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
18+325	RT	River Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
19+340	LT	River Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
19+405	RT	River Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
20+250	LT	River Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
20+250	LT	River Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	A	3.650
20+870	LT	River Road	N	per trail stationing	BEGIN	M4-11	300	100	0.030	A	3.750
20+870	LT	River Road	N	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	S	0.000
20+875	RT	River Road	S	per trail stationing	END	M4-12	300	100	0.030	A	3.750
20+875	RT	River Road	S	per trail stationing	BIKE ROUTE	D11-1	600	450	0.270	S	0.000
<b>TOTAL</b>									<b>13.200</b>		<b>136.650</b>

REVISIONS		
NO.	NAME	DATE

**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**

**PROPOSED SIGN SCHEDULE**

DATE: 10/20/06      DRAWN BY: VAP  
DESIGNED BY: DIH      CHECKED BY: DDL

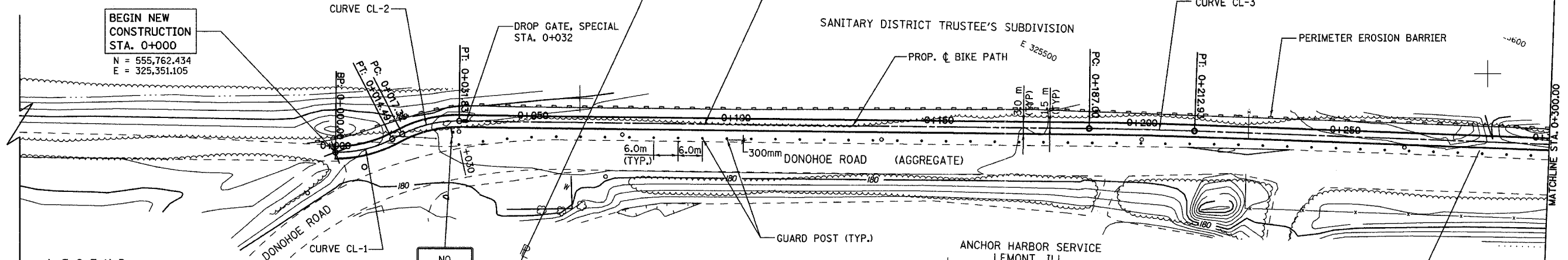




SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	11
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

PROP. CURVE CL-1  
 PI STA = 0+007.39  
 N = 555,764.424  
 E = 325,355.501  
 $\Delta = 27^\circ 40' 53''$  (LT)  
 R = 30,000 m  
 T = 7.391 m  
 L = 14.494 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG C)



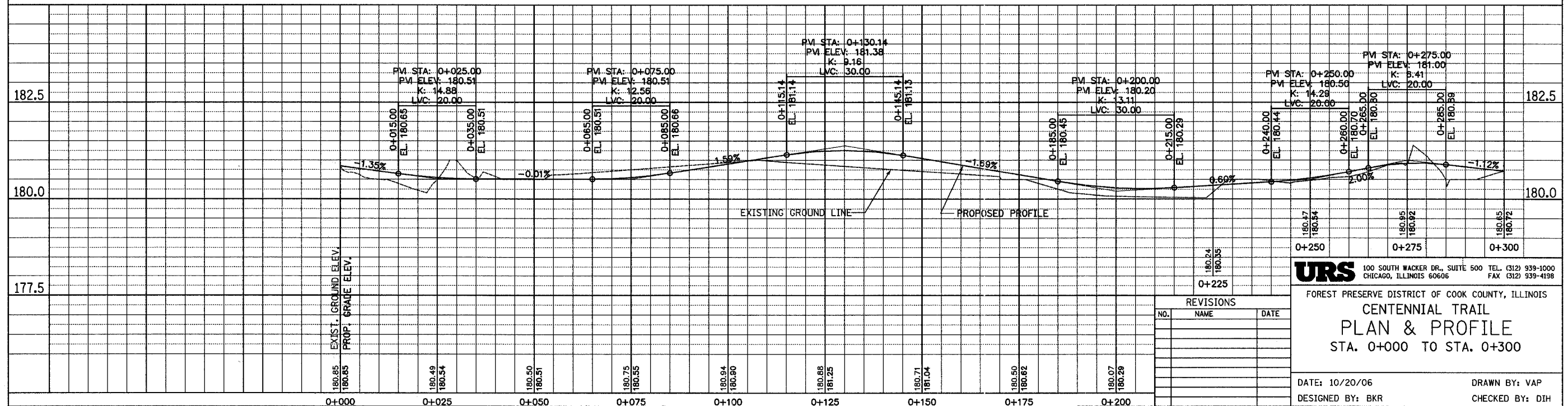
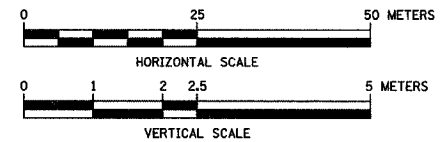
BEGIN NEW CONSTRUCTION STA. 0+000  
 N = 555,762.434  
 E = 325,351.105

**LEGEND**

- +— SWALE TIP
- +—+ DITCH SUMMIT
- + DITCH CHECK
- +— PROPOSED CULVERT
- - - EXISTING CULVERT
- EXISTING MANHOLE
- - - EXISTING FENCE
- ▲ FLARED END SECTION
- +— PERIMETER EROSION BARRIER
- ////// GUARD RAIL REMOVAL

PROP. CURVE CL-2  
 PI STA = 0+024.72  
 N = 555,779.371  
 E = 325,368.678  
 $\Delta = 27^\circ 42' 32''$  (RT)  
 R = 30,000 m  
 T = 7.399 m  
 L = 14,508 m

PROP. CURVE CL-3  
 PI STA = 0+199.97  
 N = 555,851.670  
 E = 325,528.631  
 $\Delta = 1^\circ 29' 07''$  (RT)  
 R = 1000,000 m  
 T = 12.963 m  
 L = 25.925 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX: (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL  
 PLAN & PROFILE**  
 STA. 0+000 TO STA. 0+300

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR CHECKED BY: DJH

REVISIONS		
NO.	NAME	DATE

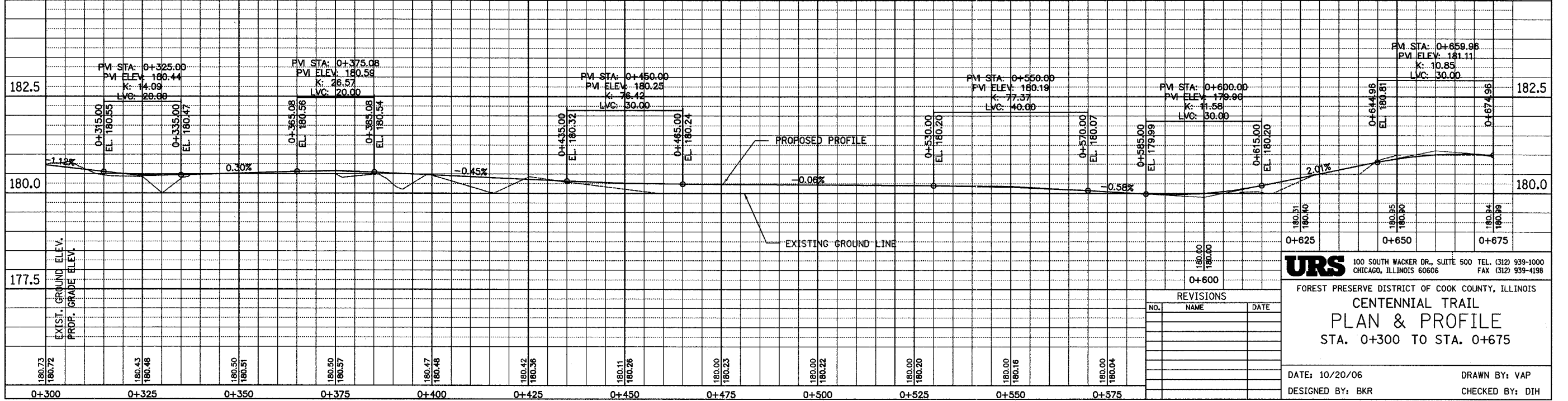
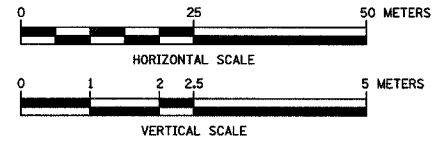
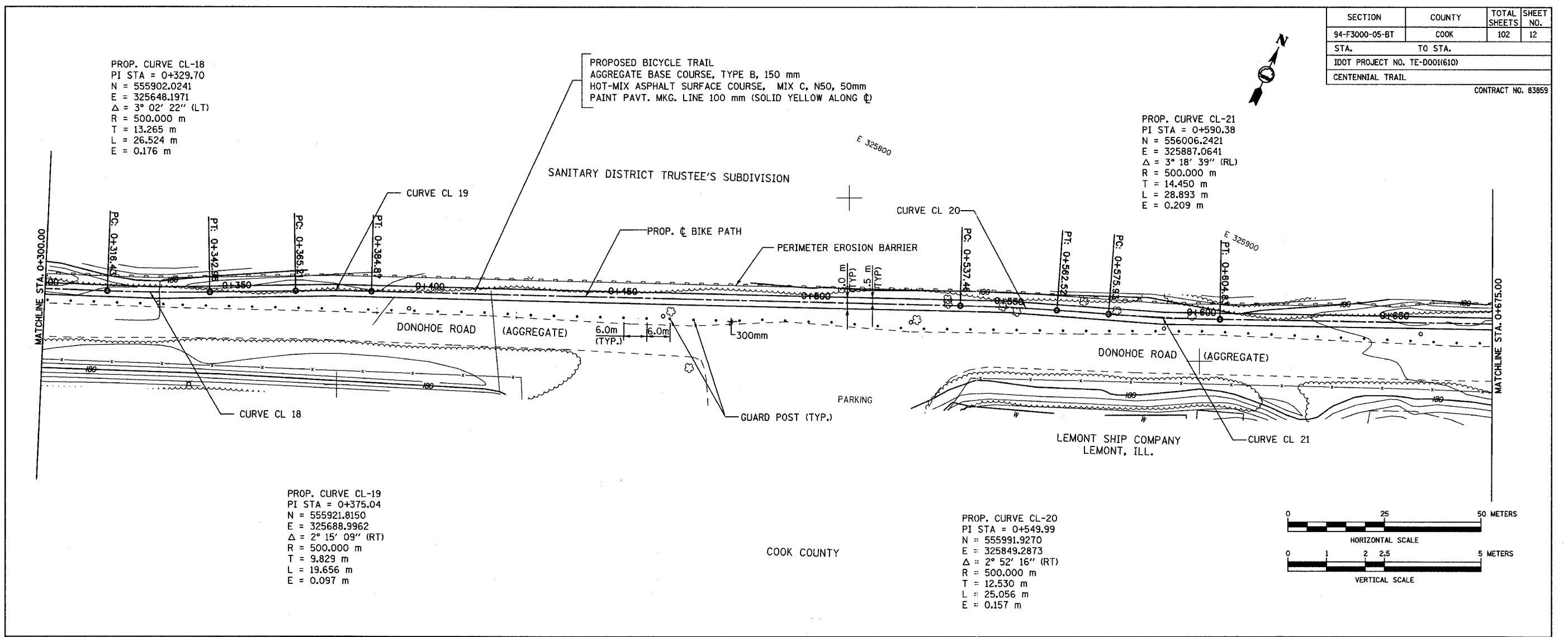
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	12
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

PROP. CURVE CL-18  
 PI STA = 0+329.70  
 N = 555902.0241  
 E = 325648.1971  
 $\Delta = 3^\circ 02' 22''$  (LT)  
 R = 500.000 m  
 T = 13.265 m  
 L = 26.524 m  
 E = 0.176 m

PROP. CURVE CL-21  
 PI STA = 0+590.38  
 N = 556006.2421  
 E = 325887.0641  
 $\Delta = 3^\circ 18' 39''$  (RL)  
 R = 500.000 m  
 T = 14.450 m  
 L = 28.893 m  
 E = 0.209 m

PROP. CURVE CL-19  
 PI STA = 0+375.04  
 N = 555921.8150  
 E = 325688.9962  
 $\Delta = 2^\circ 15' 09''$  (RT)  
 R = 500.000 m  
 T = 9.829 m  
 L = 19.656 m  
 E = 0.097 m

PROP. CURVE CL-20  
 PI STA = 0+549.99  
 N = 555991.9270  
 E = 325849.2873  
 $\Delta = 2^\circ 52' 16''$  (RT)  
 R = 500.000 m  
 T = 12.530 m  
 L = 25.056 m  
 E = 0.157 m



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 0+300 TO STA. 0+675

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR CHECKED BY: DJH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	13
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

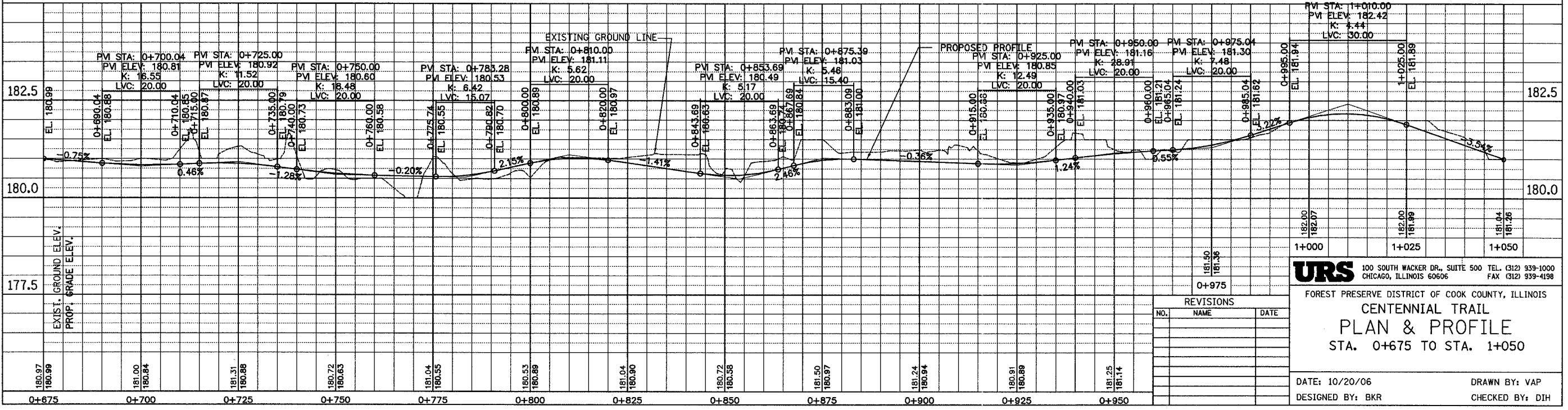
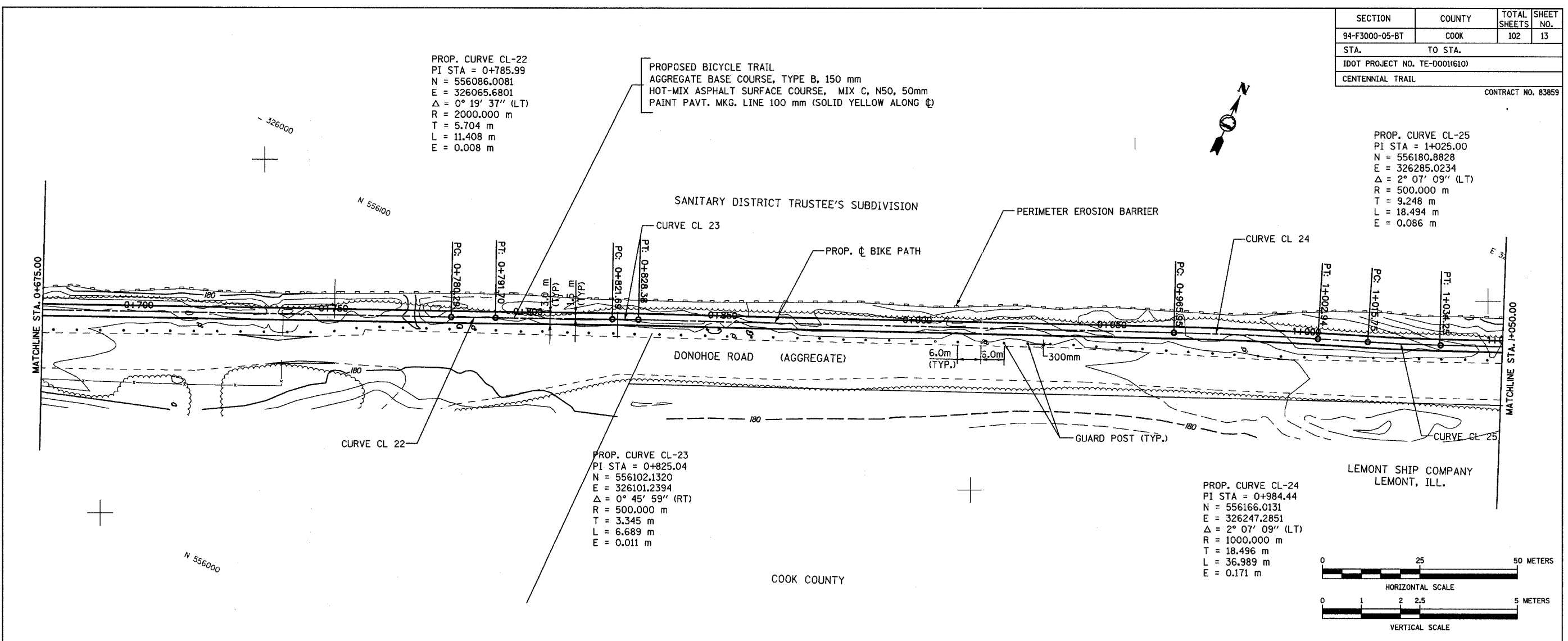
PROP. CURVE CL-22  
 PI STA = 0+785.99  
 N = 556086.0081  
 E = 326065.6801  
 $\Delta = 0^\circ 19' 37''$  (LT)  
 R = 2000.000 m  
 T = 5.704 m  
 L = 11.408 m  
 E = 0.008 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )

PROP. CURVE CL-25  
 PI STA = 1+025.00  
 N = 556180.8828  
 E = 326285.0234  
 $\Delta = 2^\circ 07' 09''$  (LT)  
 R = 500.000 m  
 T = 9.248 m  
 L = 18.494 m  
 E = 0.086 m

PROP. CURVE CL-23  
 PI STA = 0+825.04  
 N = 556102.1320  
 E = 326101.2394  
 $\Delta = 0^\circ 45' 59''$  (RT)  
 R = 500.000 m  
 T = 3.345 m  
 L = 6.689 m  
 E = 0.011 m

PROP. CURVE CL-24  
 PI STA = 0+984.44  
 N = 556166.0131  
 E = 326247.2851  
 $\Delta = 2^\circ 07' 09''$  (LT)  
 R = 1000.000 m  
 T = 18.496 m  
 L = 36.989 m  
 E = 0.171 m



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 0+675 TO STA. 1+050

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

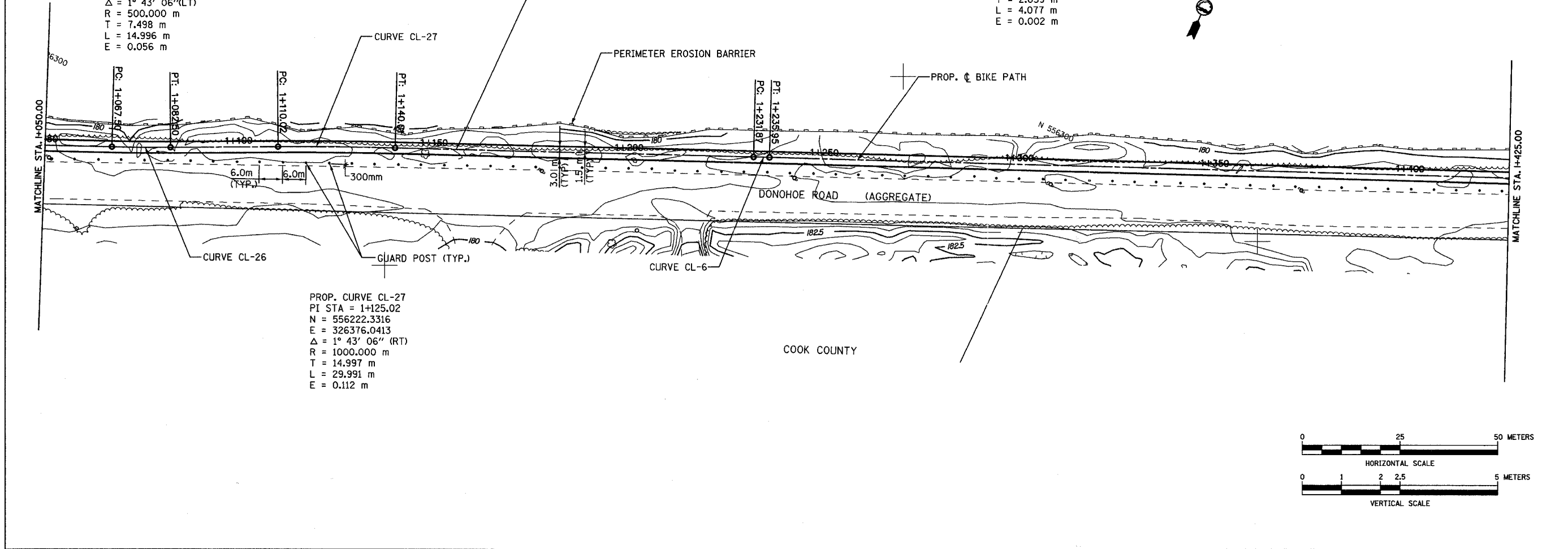
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	14
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

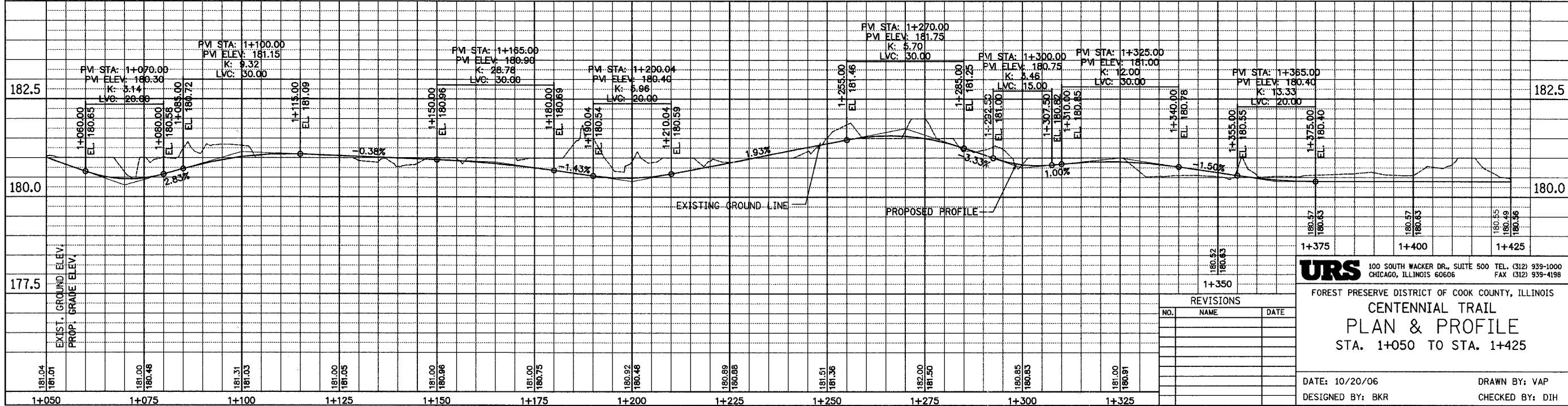
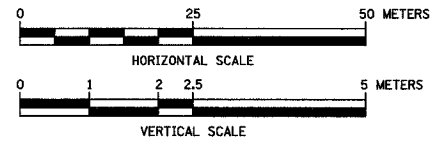
PROP. CURVE CL-26  
 PI STA = 1+075.00  
 N = 556200.9200  
 E = 326330.8329  
 $\Delta = 1^\circ 43' 06''$  (LT)  
 R = 500.000 m  
 T = 7.498 m  
 L = 14.996 m  
 E = 0.056 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\odot$ )

PROP. CURVE CL-6  
 PI STA = 1+233.91  
 N = 556265.9694  
 E = 326475.8067  
 $\Delta = 0^\circ 14' 01''$  (LT)  
 R = 1000.000 m  
 T = 2.039 m  
 L = 4.077 m  
 E = 0.002 m



PROP. CURVE CL-27  
 PI STA = 1+125.02  
 N = 556222.3316  
 E = 326376.0413  
 $\Delta = 1^\circ 43' 06''$  (RT)  
 R = 1000.000 m  
 T = 14.997 m  
 L = 29.991 m  
 E = 0.112 m



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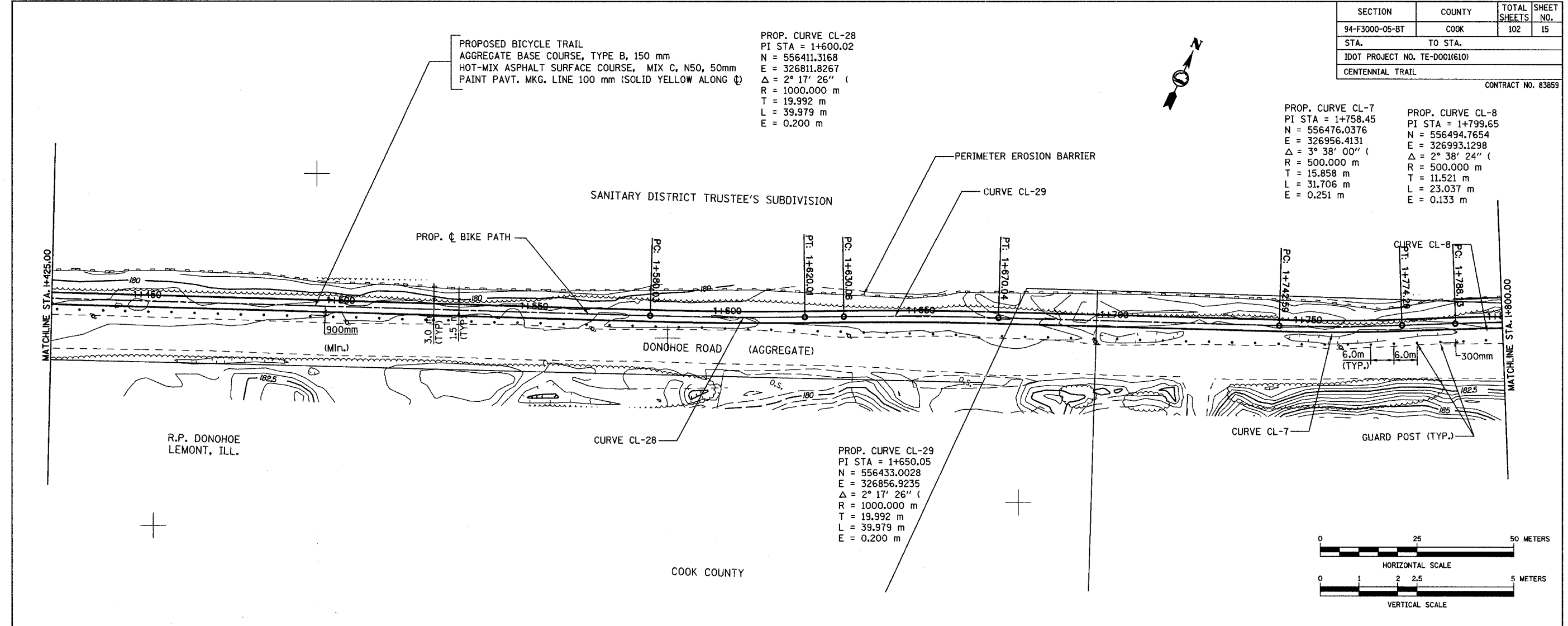
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 1+050 TO STA. 1+425

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	15
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

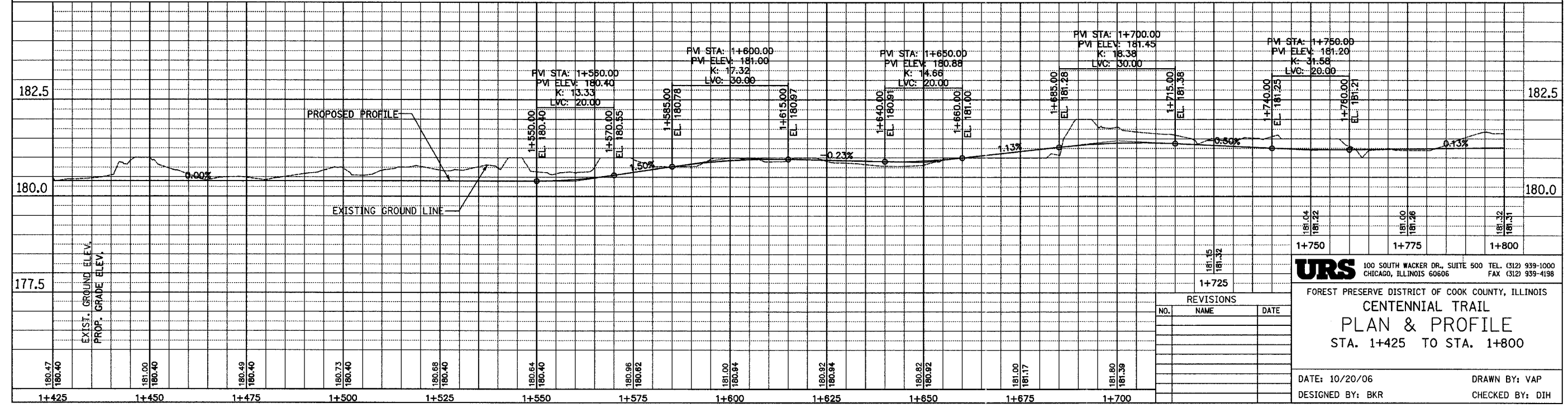
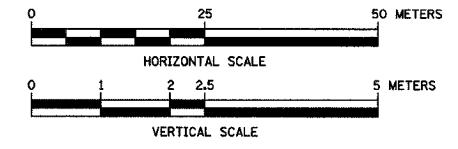
CONTRACT NO. 83859



PROP. CURVE CL-7 PI STA = 1+758.45 N = 556476.0376 E = 326956.4131 $\Delta = 3^\circ 38' 00''$ R = 500.000 m T = 15.858 m L = 31.706 m E = 0.251 m	PROP. CURVE CL-8 PI STA = 1+799.65 N = 556494.7654 E = 326993.1298 $\Delta = 2^\circ 38' 24''$ R = 500.000 m T = 11.521 m L = 23.037 m E = 0.133 m
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PROP. CURVE CL-29 PI STA = 1+650.05 N = 556433.0028 E = 326856.9235 $\Delta = 2^\circ 17' 26''$ R = 1000.000 m T = 19.992 m L = 39.979 m E = 0.200 m
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX: (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 1+425 TO STA. 1+800

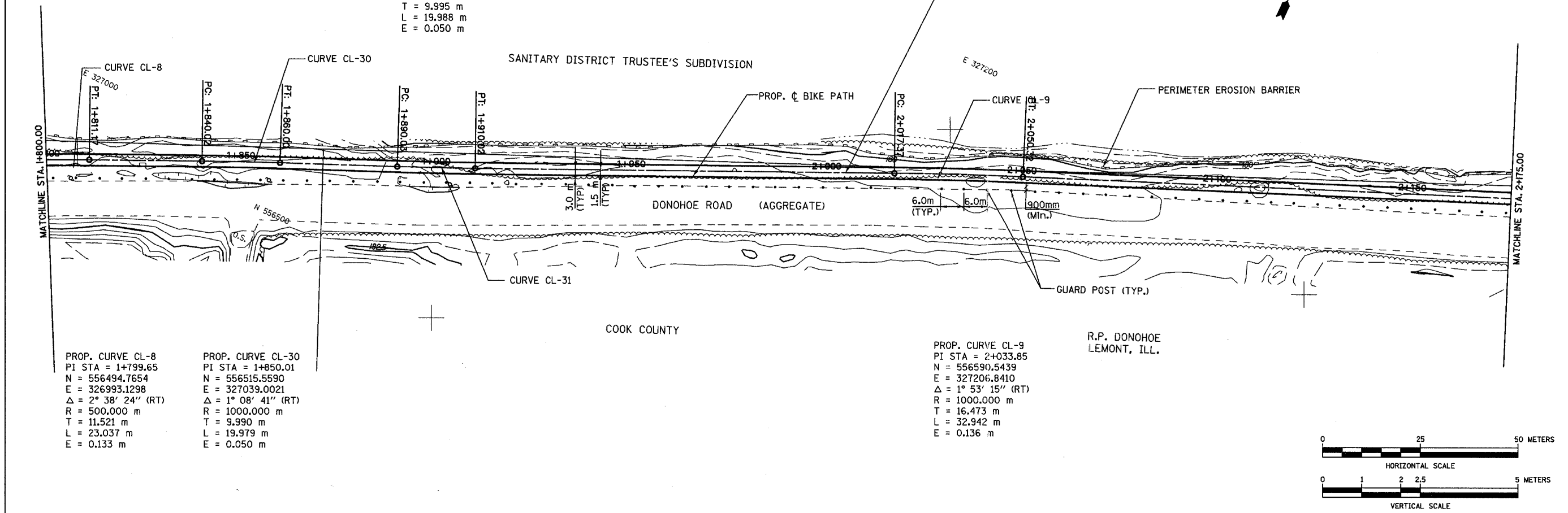
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	16
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL		CONTRACT NO. 83859	

PROP. CURVE CL-31  
 PI STA = 1+900.02  
 N = 556535.2918  
 E = 327084.9539  
 $\Delta = 1^\circ 08' 43''$  (LT)  
 R = 1000.000 m  
 T = 9.995 m  
 L = 19.988 m  
 E = 0.050 m

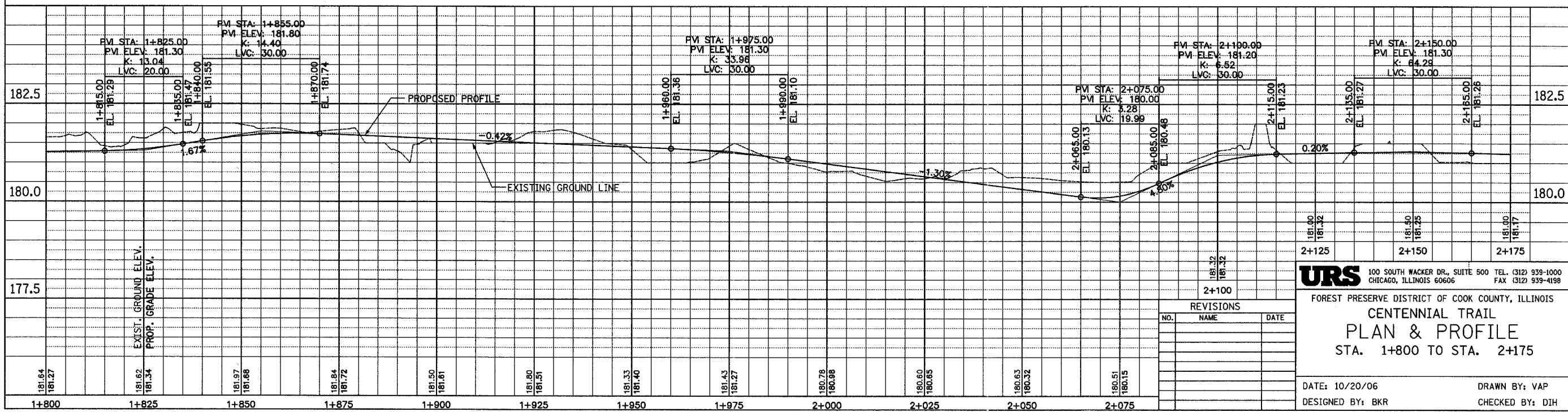
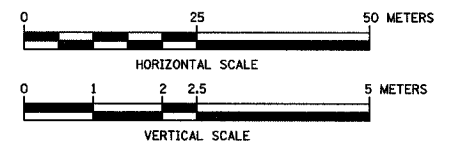
PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\odot$ )



PROP. CURVE CL-8  
 PI STA = 1+799.65  
 N = 556494.7654  
 E = 326993.1298  
 $\Delta = 2^\circ 38' 24''$  (RT)  
 R = 500.000 m  
 T = 11.521 m  
 L = 23.037 m  
 E = 0.133 m

PROP. CURVE CL-30  
 PI STA = 1+850.01  
 N = 556515.5590  
 E = 327039.0021  
 $\Delta = 1^\circ 08' 41''$  (RT)  
 R = 1000.000 m  
 T = 9.990 m  
 L = 19.979 m  
 E = 0.050 m

PROP. CURVE CL-9  
 PI STA = 2+033.85  
 N = 556590.5439  
 E = 327206.8410  
 $\Delta = 1^\circ 53' 15''$  (RT)  
 R = 1000.000 m  
 T = 16.473 m  
 L = 32.942 m  
 E = 0.136 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 1+800 TO STA. 2+175

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE



NOTE 1: REMOVE EXISTING GUARDRAIL AS REQUIRED TO INSTALL TRAFFIC TERMINAL T.Y.I, SPECIAL (TANGENT)

NOTE 2: INSTALL GUARDRAIL END SECTION; INCIDENTAL TO GUARDRAIL REMOVAL

CROSSWALK PAVEMENT MARKING SEE STREET INTERSECTION AND PAVEMENT DETAIL, SHEET 70

PCC SIDEWALK 2 m X 3 m W/DETECTABLE WARNING 0.6 m X 3 m (TYP)  
DROP GATE SPECIAL STA. 2+439

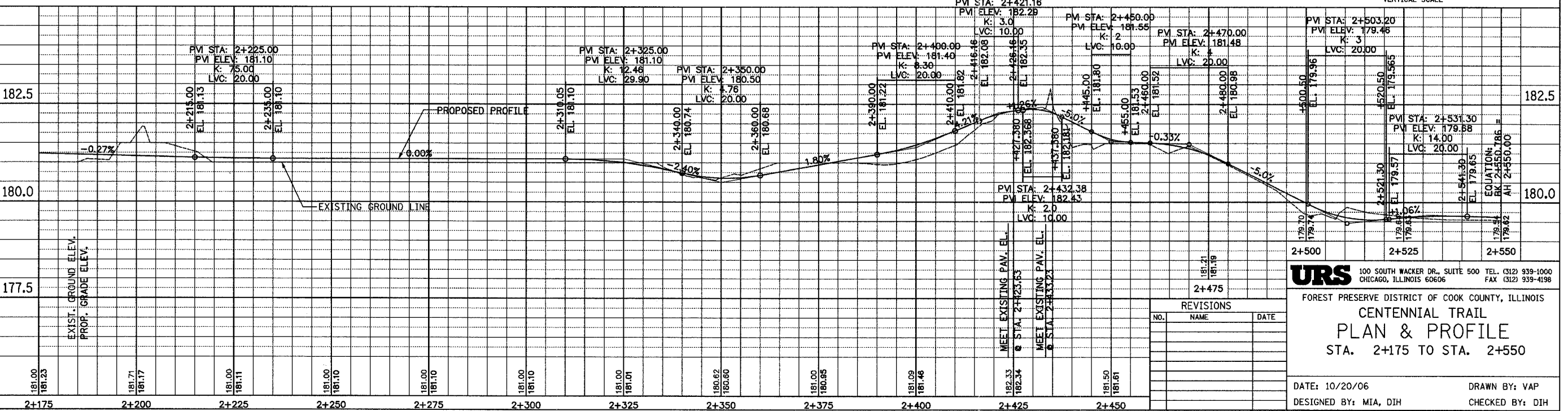
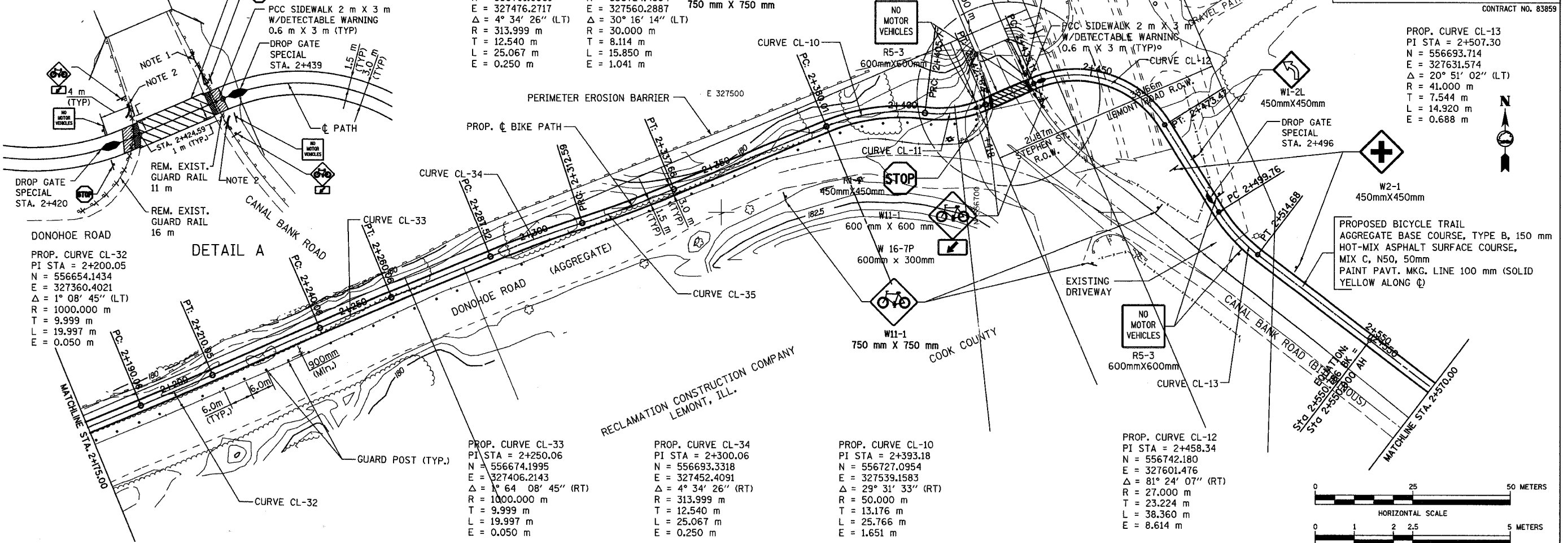
PROP. CURVE CL-35  
PI STA = 2+325.13  
N = 556701.0501  
E = 327476.2717  
 $\Delta = 4^\circ 34' 26''$  (LT)  
R = 313.999 m  
T = 12.540 m  
L = 25.067 m  
E = 0.250 m

PROP. CURVE CL-11  
PI STA = 2+413.89  
N = 556724.4904  
E = 327560.2887  
 $\Delta = 30^\circ 16' 14''$  (LT)  
R = 30.000 m  
T = 8.114 m  
L = 15.850 m  
E = 1.041 m

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	17
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

PROP. CURVE CL-13  
PI STA = 2+507.30  
N = 556693.714  
E = 327631.574  
 $\Delta = 20^\circ 51' 02''$  (LT)  
R = 41.000 m  
T = 7.544 m  
L = 14.920 m  
E = 0.688 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

### CENTENNIAL TRAIL

## PLAN & PROFILE

STA. 2+175 TO STA. 2+550

NO.	NAME	DATE

DATE: 10/20/06      DRAWN BY: VAP  
DESIGNED BY: MIA, DIH      CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	18
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE,  
 MIX C, N50, 50 mm  
 PAINT PAV'T MKG. LINE, 100 mm  
 (SOLID YELLOW ALONG C)

PROP. CURVE CL-14  
 PI STA = 2+617.37  
 N = 556626.4199  
 E = 327719.8813  
 $\Delta = 4^\circ 21' 08''$  (LT)  
 R = 100.000 m  
 T = 3.800 m  
 L = 7.596 m  
 E = 0.072 m

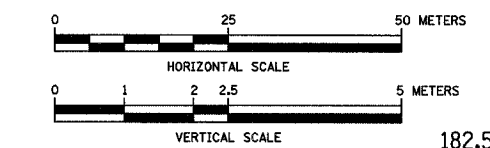
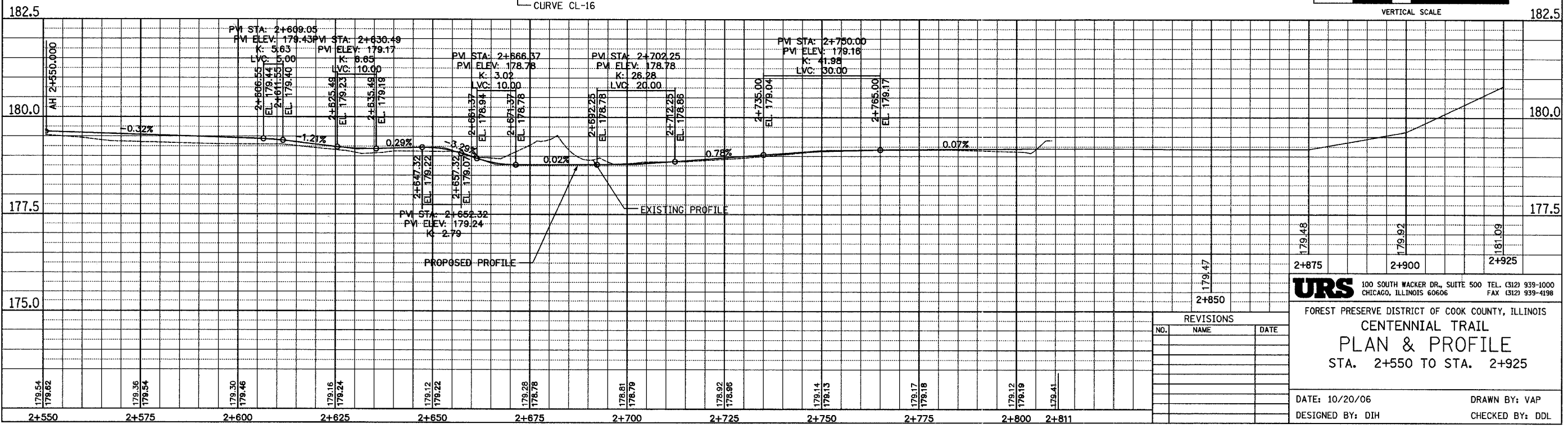
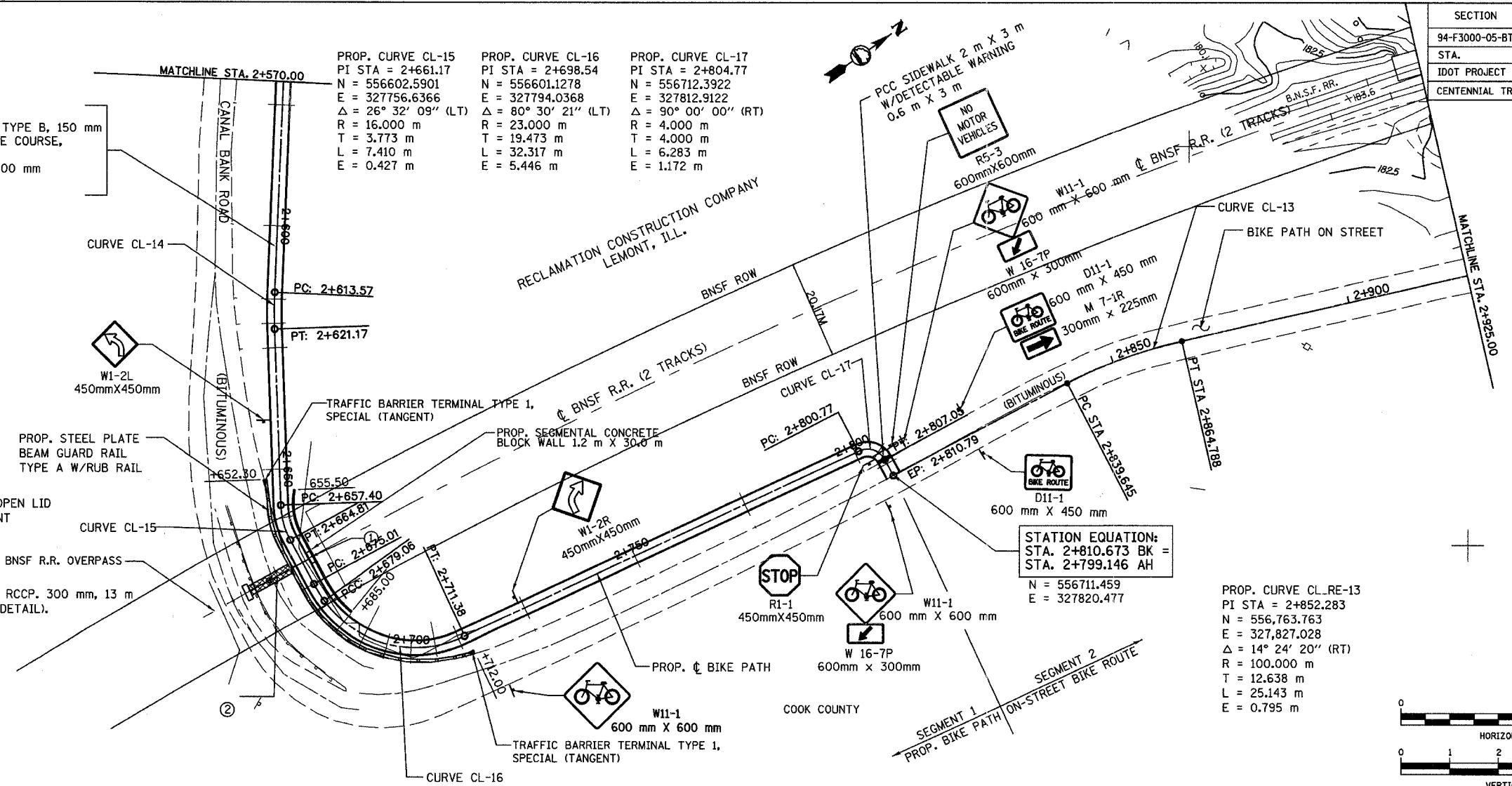
PROP. CURVE CL-15  
 PI STA = 2+661.17  
 N = 556602.5901  
 E = 327756.6366  
 $\Delta = 26^\circ 32' 09''$  (LT)  
 R = 16.000 m  
 T = 3.773 m  
 L = 7.410 m  
 E = 0.427 m

PROP. CURVE CL-16  
 PI STA = 2+698.54  
 N = 556601.1278  
 E = 327794.0368  
 $\Delta = 80^\circ 30' 21''$  (LT)  
 R = 23.000 m  
 T = 19.473 m  
 L = 32.317 m  
 E = 5.446 m

PROP. CURVE CL-17  
 PI STA = 2+804.77  
 N = 556712.3922  
 E = 327812.9122  
 $\Delta = 90^\circ 00' 00''$  (RT)  
 R = 4.000 m  
 T = 4.000 m  
 L = 6.283 m  
 E = 1.172 m

PROP. CURVE CL-RE-13  
 PI STA = 2+852.283  
 N = 556,763.763  
 E = 327,827.028  
 $\Delta = 14^\circ 24' 20''$  (RT)  
 R = 100.000 m  
 T = 12.638 m  
 L = 25.143 m  
 E = 0.795 m

- ① STA. 2+670  
 INLET TYPE A, TYPE 1 FRAME, OPEN LID  
 50 mm BELOW EDGE OF PAVEMENT  
 INV. = 177.90
- ② STA. 2+670.000  
 PIPE CULVERT, CLASS A, TYPE 1, RCCP. 300 mm, 13 m  
 CONCRETE HEADWALL 1 EA (SEE DETAIL).  
 INV. = 177.60
- ③ RESTORE PAVEMENT:  
 HOT-MIX ASPHALT BINDER,  
 IL-1.90, N50, 60 mm  
  
 HOT-MIX ASPHALT SURFACE,  
 MIX D, N50, 45 mm



REVISIONS		
NO.	NAME	DATE

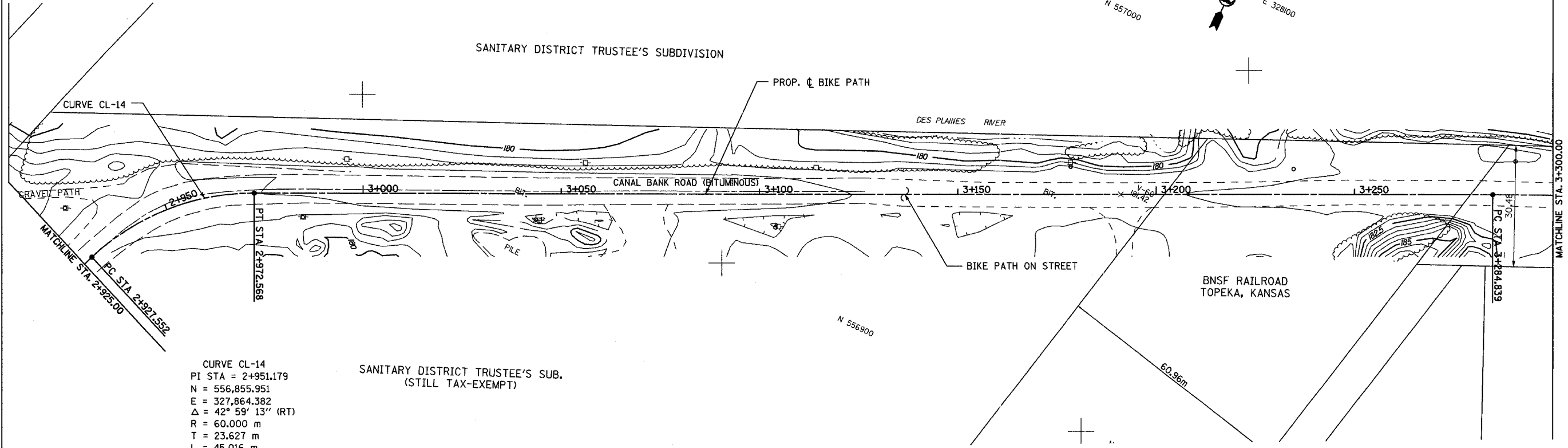
**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 2+550 TO STA. 2+925

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: DIH CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	19
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

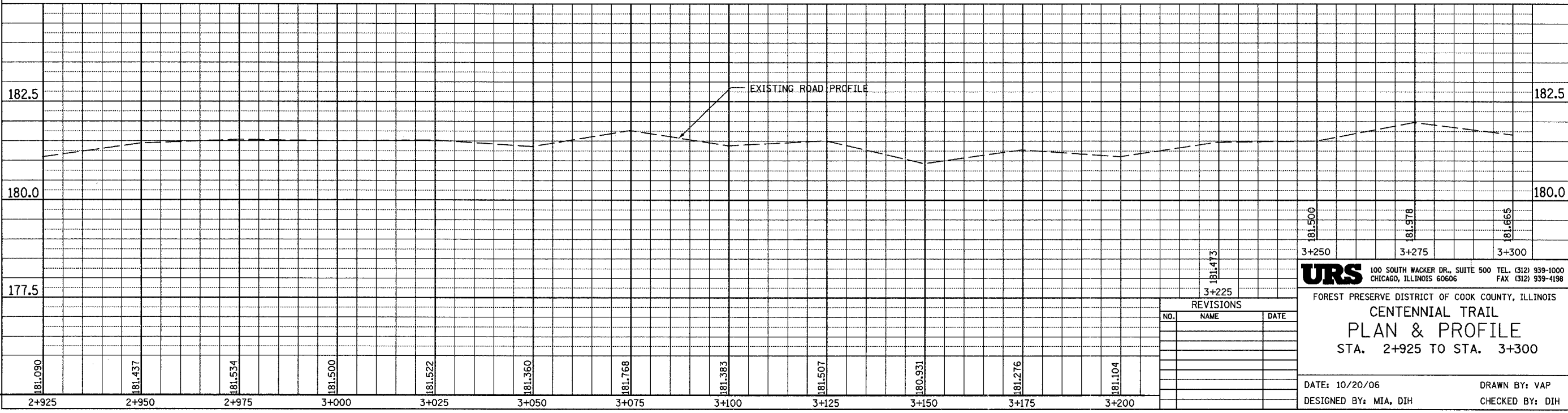
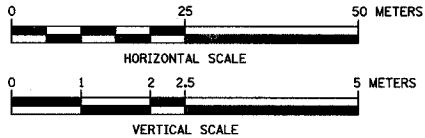
CONTRACT NO. 83859



CURVE CL-14  
 PI STA = 2+951.179  
 N = 556,855.951  
 E = 327,864.382  
 $\Delta = 42^\circ 59' 13''$  (RT)  
 R = 60.000 m  
 T = 23.627 m  
 L = 45.016 m  
 E = 4.484 m

SANITARY DISTRICT TRUSTEE'S SUB.  
 (STILL TAX-EXEMPT)

COOK COUNTY



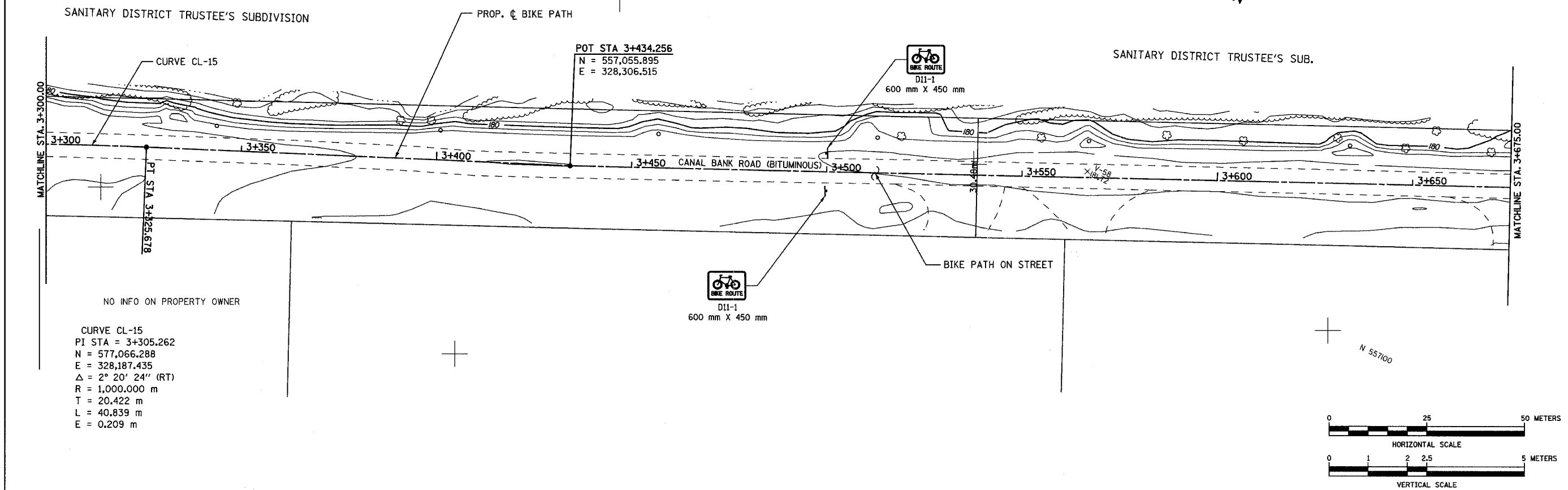
REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 2+925 TO STA. 3+300

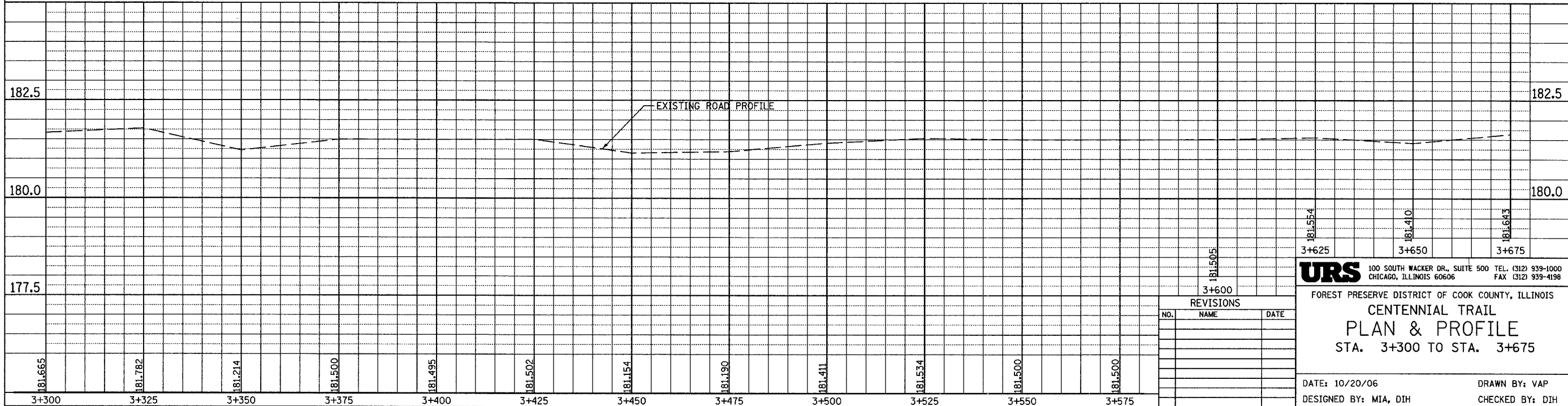
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	20
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



NO INFO ON PROPERTY OWNER

CURVE CL-15  
 PI STA = 3+305.262  
 N = 577,066.288  
 E = 328,187.435  
 Δ = 2° 20' 24" (RT)  
 R = 1,000.000 m  
 T = 20.422 m  
 L = 40.839 m  
 E = 0.209 m



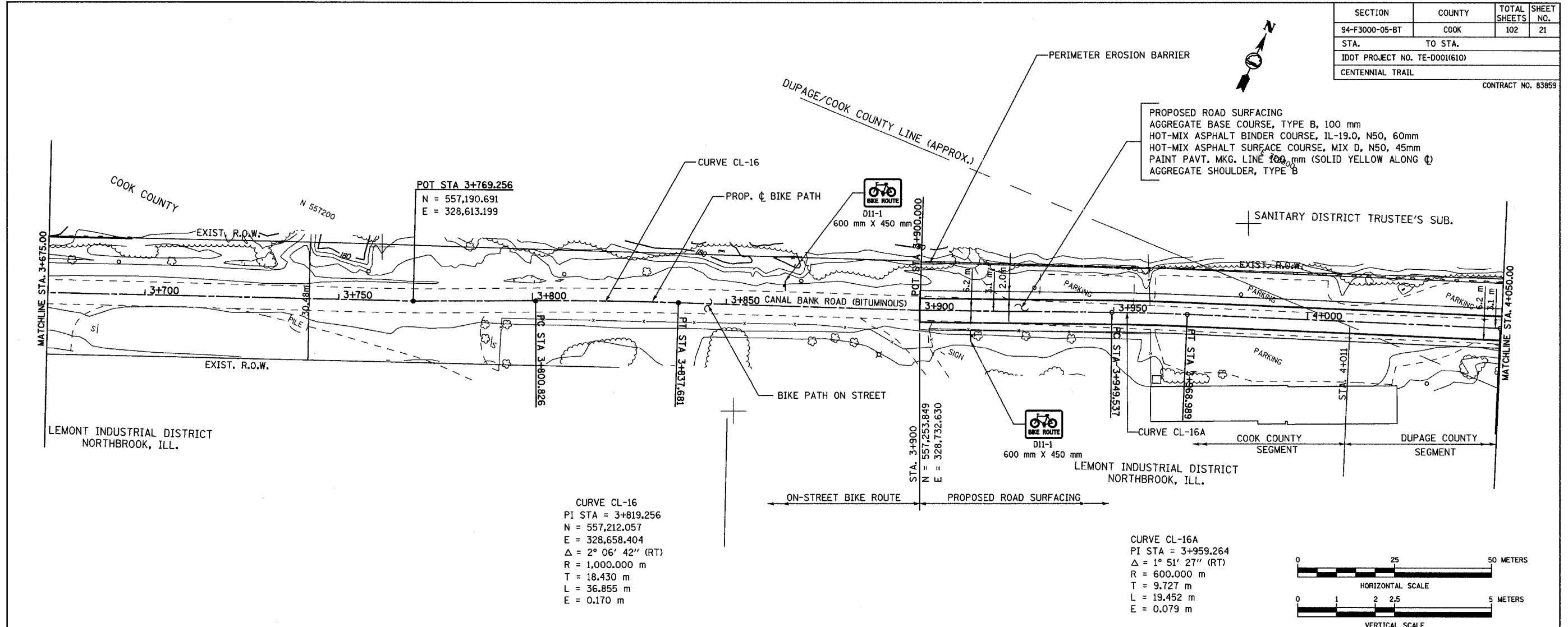
REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 3+300 TO STA. 3+675

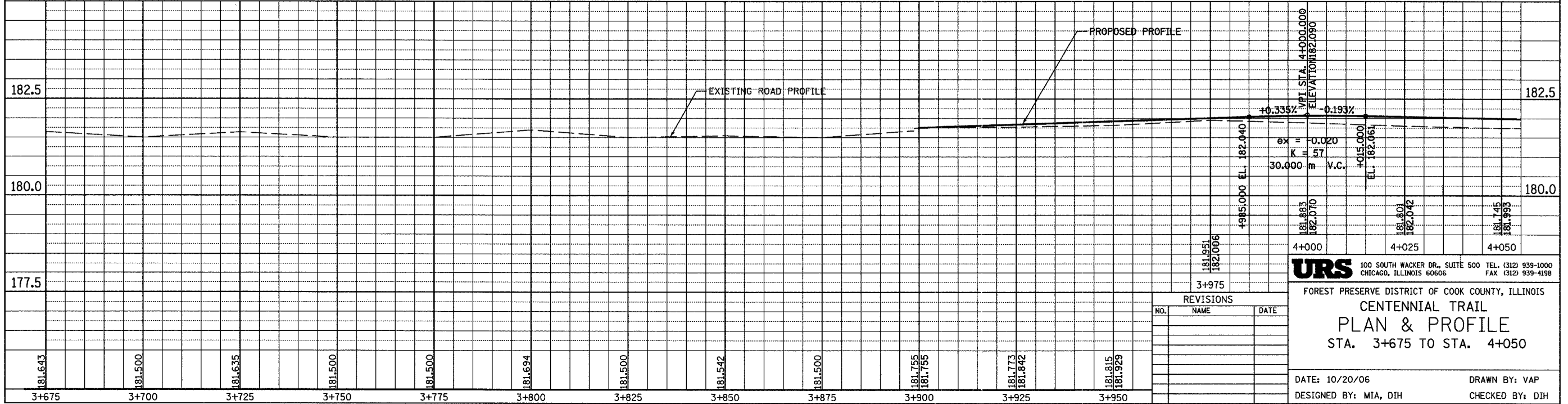
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	21
STA. TO STA.		IDOT PROJECT NO. TE-D001(610)	
CENTENNIAL TRAIL		CONTRACT NO. 83859	



CURVE CL-16  
 PI STA = 3+819.256  
 N = 557,212.057  
 E = 328,658.404  
 $\Delta = 2^\circ 06' 42''$  (RT)  
 R = 1,000.000 m  
 T = 18.430 m  
 L = 36.855 m  
 E = 0.170 m

CURVE CL-16A  
 PI STA = 3+959.264  
 $\Delta = 1^\circ 51' 27''$  (RT)  
 R = 600.000 m  
 T = 9.727 m  
 L = 19.452 m  
 E = 0.079 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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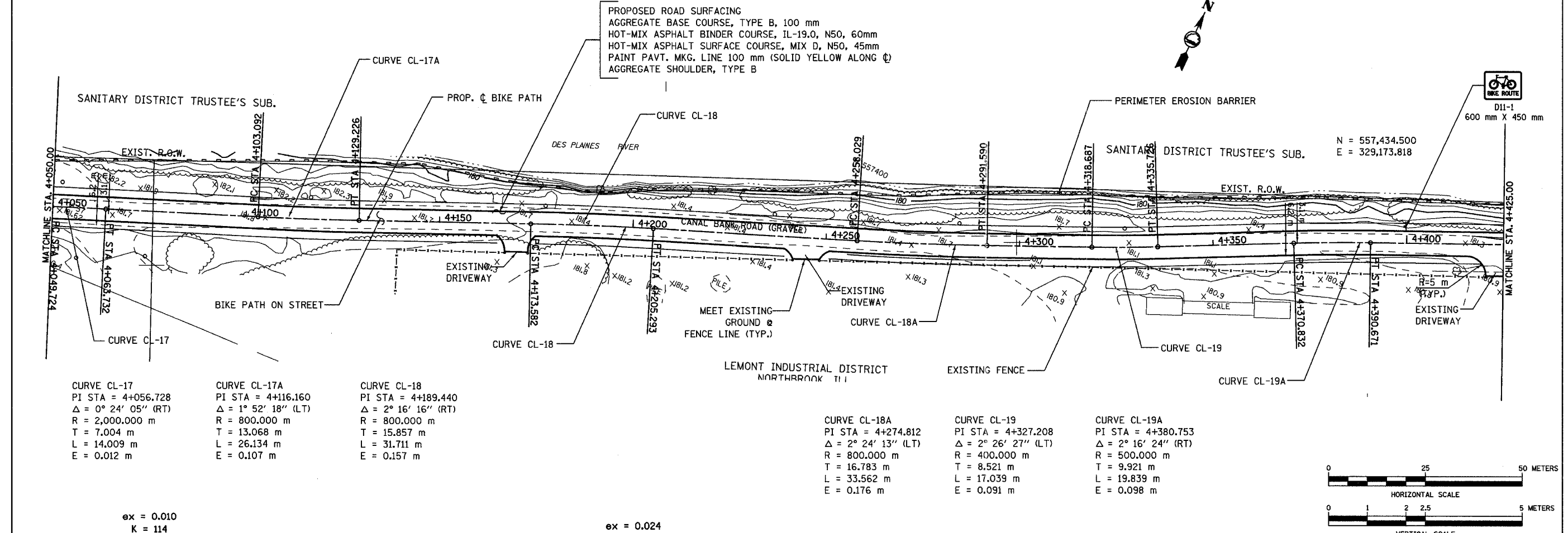
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 3+675 TO STA. 4+050

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

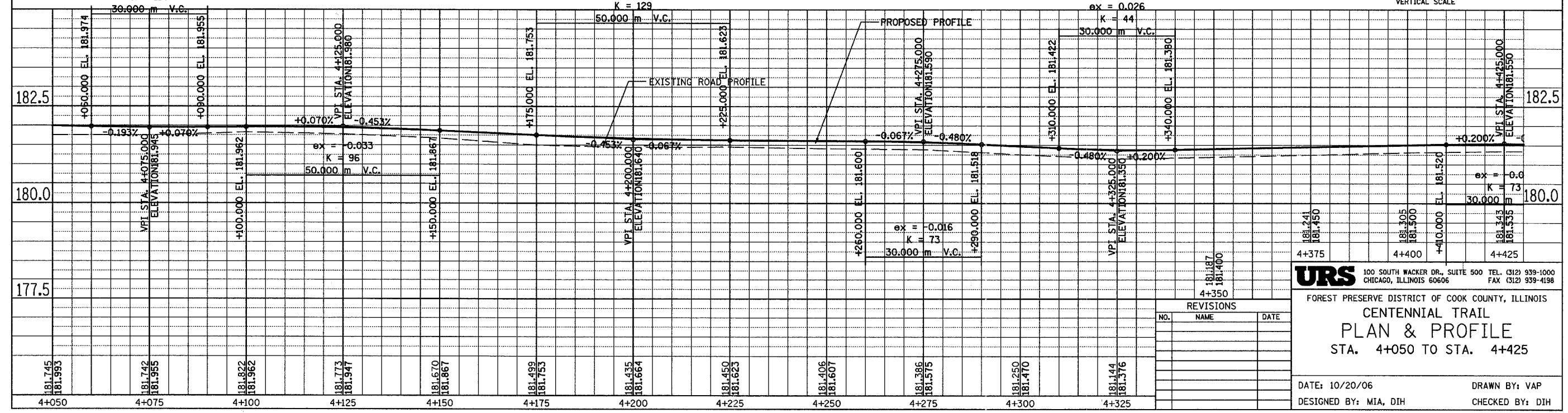
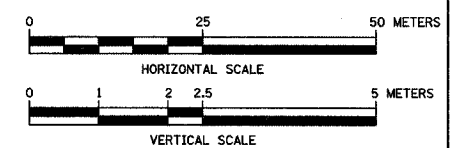


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	22
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



<p>CURVE CL-17 PI STA = 4+056.728 <math>\Delta = 0^\circ 24' 05''</math> (RT) R = 2,000.000 m T = 7.004 m L = 14.009 m E = 0.012 m</p>	<p>CURVE CL-17A PI STA = 4+116.160 <math>\Delta = 1^\circ 52' 18''</math> (LT) R = 800.000 m T = 13.068 m L = 26.134 m E = 0.107 m</p>	<p>CURVE CL-18 PI STA = 4+189.440 <math>\Delta = 2^\circ 16' 16''</math> (RT) R = 800.000 m T = 15.857 m L = 31.711 m E = 0.157 m</p>	<p>CURVE CL-18A PI STA = 4+274.812 <math>\Delta = 2^\circ 24' 13''</math> (LT) R = 800.000 m T = 16.783 m L = 33.562 m E = 0.176 m</p>	<p>CURVE CL-19 PI STA = 4+327.208 <math>\Delta = 2^\circ 26' 27''</math> (LT) R = 400.000 m T = 8.521 m L = 17.039 m E = 0.091 m</p>	<p>CURVE CL-19A PI STA = 4+380.753 <math>\Delta = 2^\circ 16' 24''</math> (RT) R = 500.000 m T = 9.921 m L = 19.839 m E = 0.098 m</p>
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REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

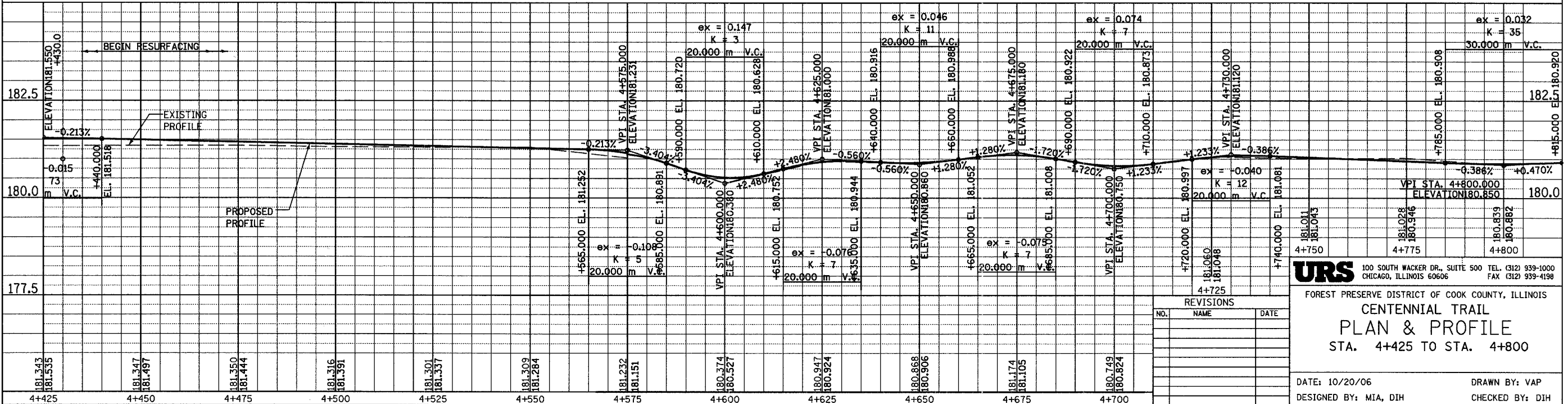
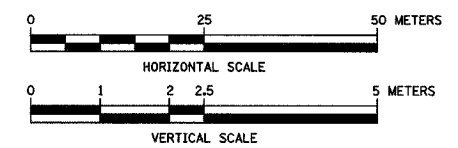
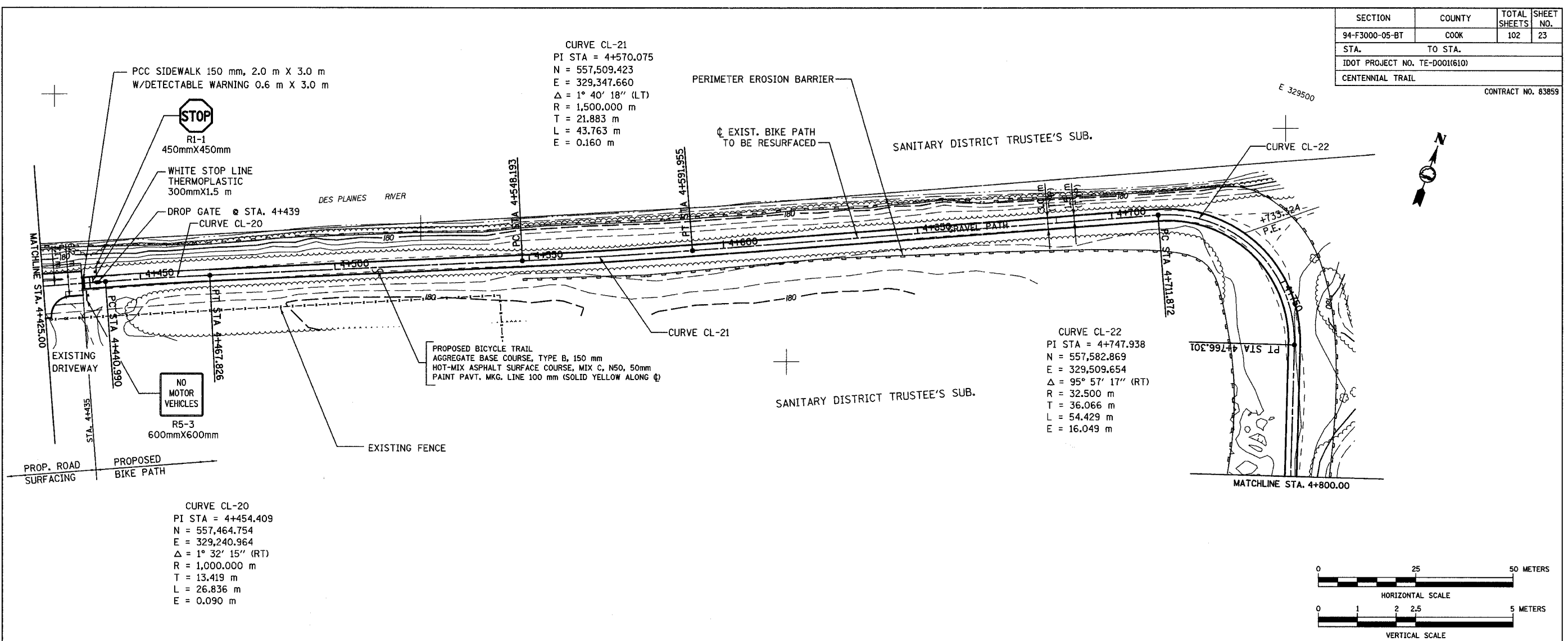
### CENTENNIAL TRAIL PLAN & PROFILE

STA. 4+050 TO STA. 4+425

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA, DIH CHECKED BY: DIH



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	23
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83959			



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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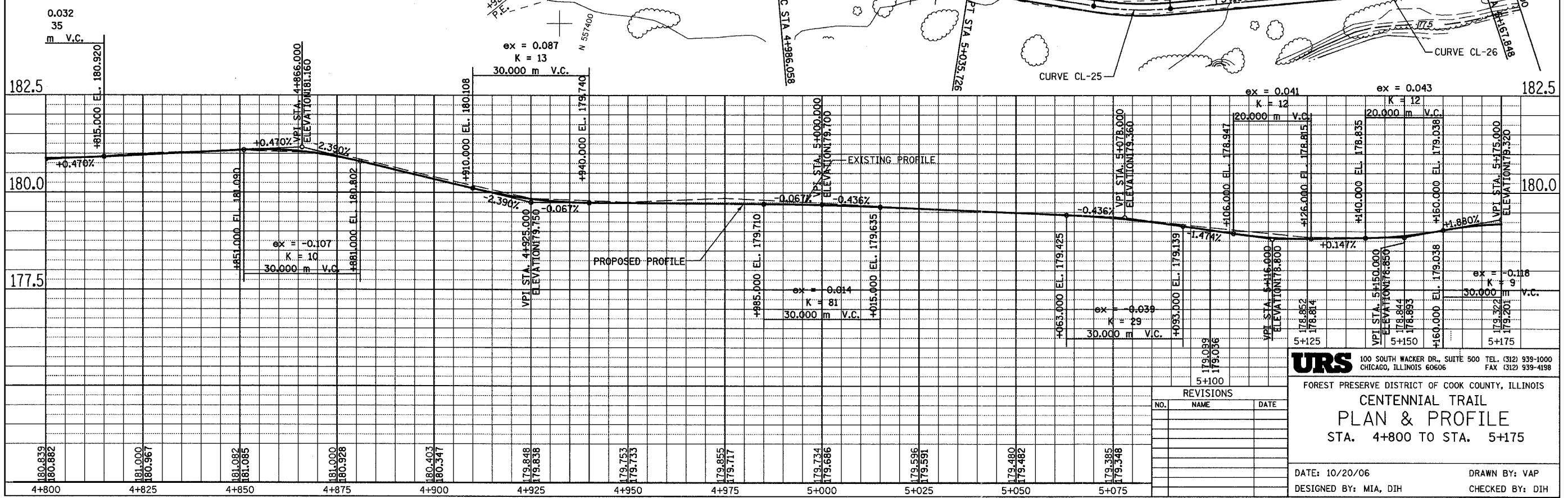
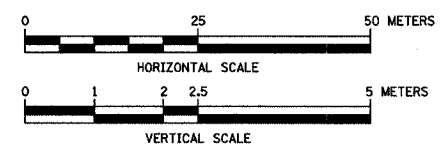
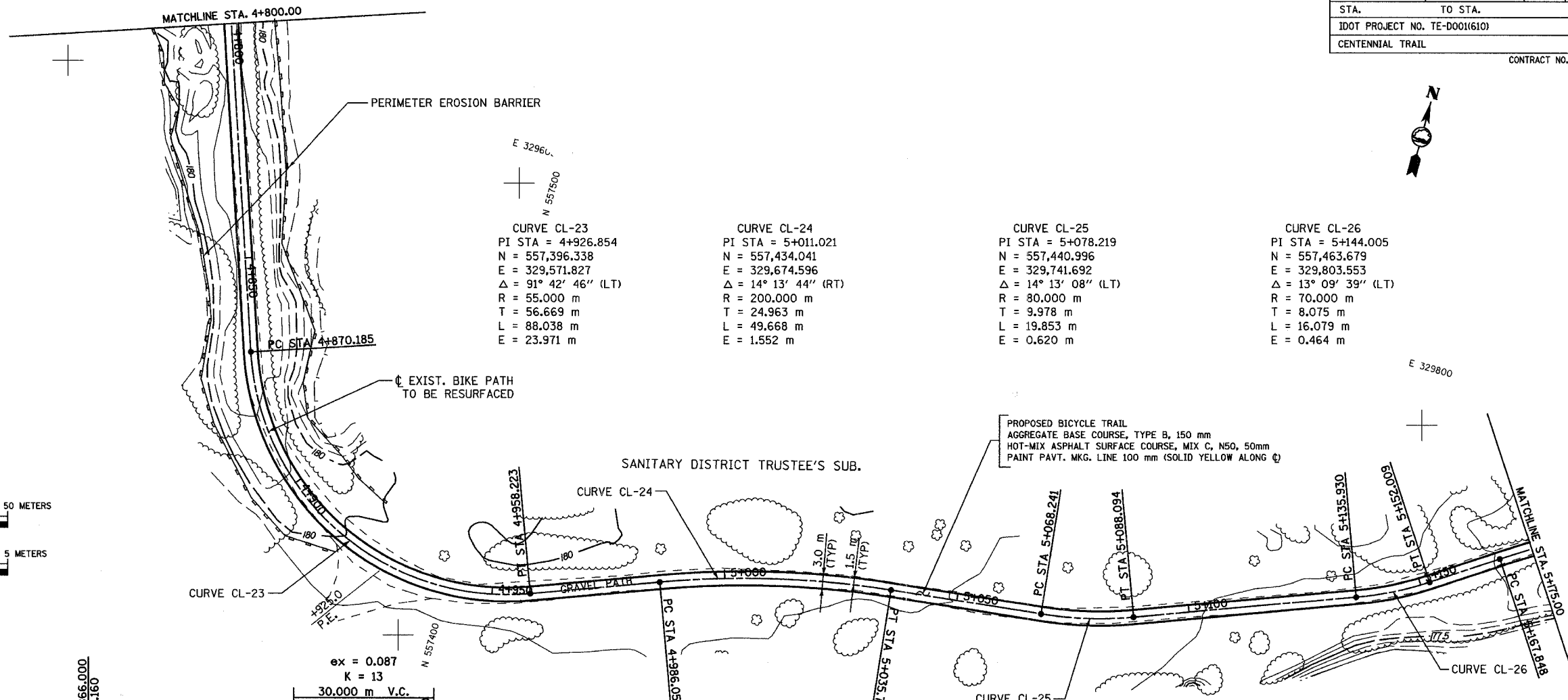
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 4+425 TO STA. 4+800

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	24
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 4+800 TO STA. 5+175

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	25
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

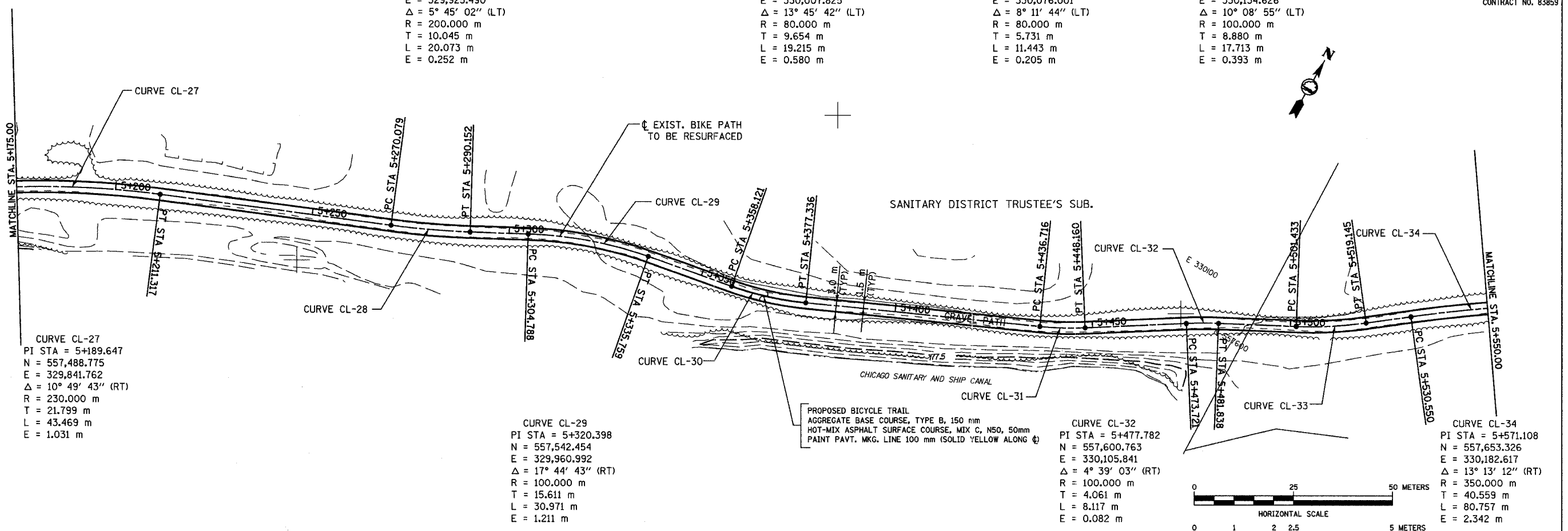
CONTRACT NO. 83859

**CURVE CL-28**  
 PI STA = 5+280.124  
 N = 557,523.402  
 E = 329,925.490  
 $\Delta = 5^\circ 45' 02''$  (LT)  
 R = 200.000 m  
 T = 10.045 m  
 L = 20.073 m  
 E = 0.252 m

**CURVE CL-30**  
 PI STA = 5+367.775  
 N = 557,551.112  
 E = 330,007.825  
 $\Delta = 13^\circ 45' 42''$  (LT)  
 R = 80.000 m  
 T = 9.654 m  
 L = 19.215 m  
 E = 0.580 m

**CURVE CL-31**  
 PI STA = 5+442.448  
 N = 557,581.803  
 E = 330,076.001  
 $\Delta = 8^\circ 11' 44''$  (LT)  
 R = 80.000 m  
 T = 5.731 m  
 L = 11.443 m  
 E = 0.205 m

**CURVE CL-33**  
 PI STA = 5+510.312  
 N = 557,615.927  
 E = 330,134.626  
 $\Delta = 10^\circ 08' 55''$  (LT)  
 R = 100.000 m  
 T = 8.880 m  
 L = 17.713 m  
 E = 0.393 m

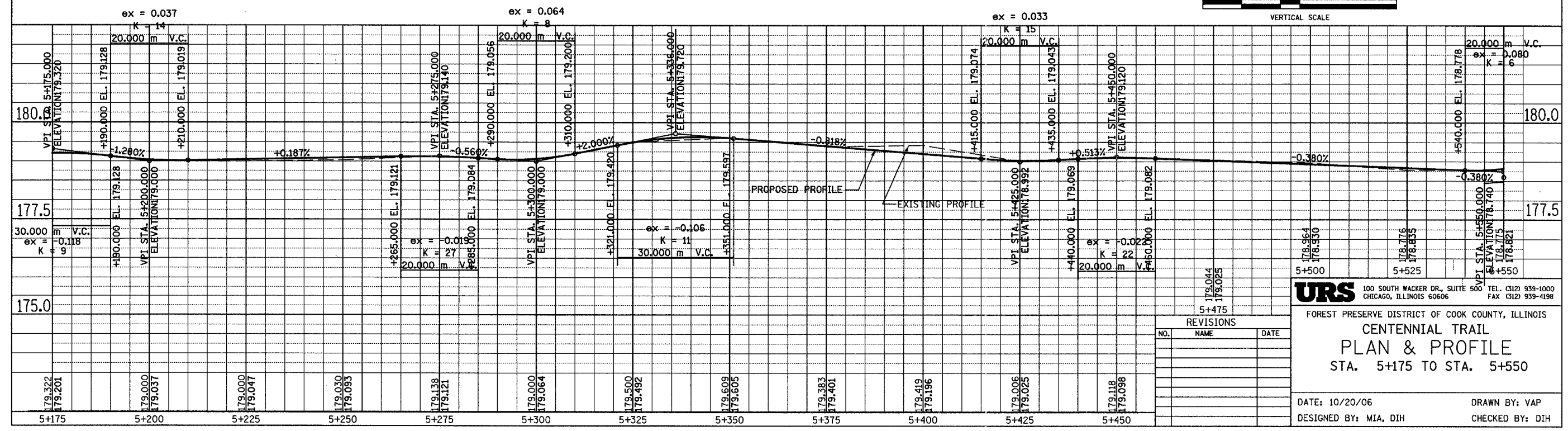
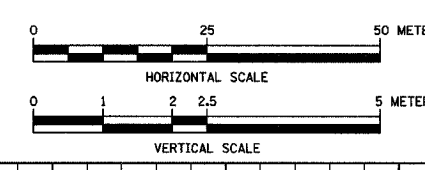


**CURVE CL-27**  
 PI STA = 5+189.647  
 N = 557,488.775  
 E = 329,841.762  
 $\Delta = 10^\circ 49' 43''$  (RT)  
 R = 230.000 m  
 T = 21.799 m  
 L = 43.469 m  
 E = 1.031 m

**CURVE CL-29**  
 PI STA = 5+320.398  
 N = 557,542.454  
 E = 329,960.992  
 $\Delta = 17^\circ 44' 43''$  (RT)  
 R = 100.000 m  
 T = 15.611 m  
 L = 30.971 m  
 E = 1.211 m

**CURVE CL-32**  
 PI STA = 5+477.782  
 N = 557,600.763  
 E = 330,105.841  
 $\Delta = 4^\circ 39' 03''$  (RT)  
 R = 100.000 m  
 T = 4.061 m  
 L = 8.117 m  
 E = 0.082 m

**CURVE CL-34**  
 PI STA = 5+571.108  
 N = 557,653.326  
 E = 330,182.617  
 $\Delta = 13^\circ 13' 12''$  (RT)  
 R = 350.000 m  
 T = 40.559 m  
 L = 80.757 m  
 E = 2.342 m



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 5+175 TO STA. 5+550

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	26
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

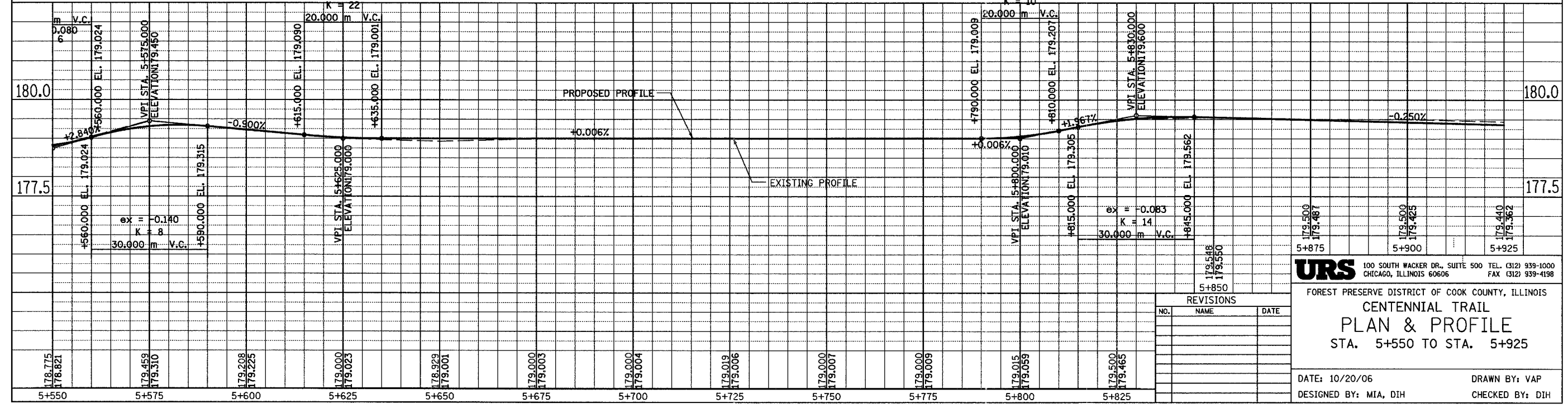
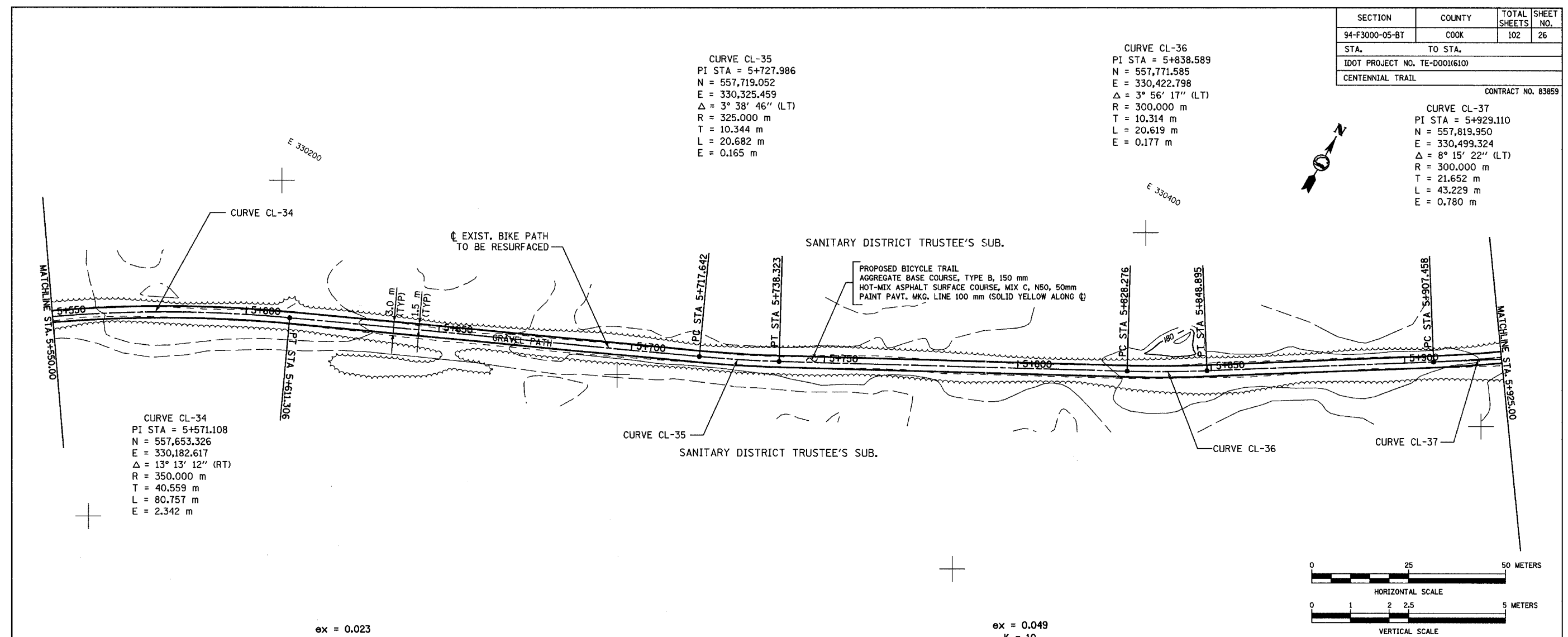
CONTRACT NO. 83859

CURVE CL-35  
 PI STA = 5+727.986  
 N = 557,719.052  
 E = 330,325.459  
 $\Delta = 3^\circ 38' 46''$  (LT)  
 R = 325.000 m  
 T = 10.344 m  
 L = 20.682 m  
 E = 0.165 m

CURVE CL-36  
 PI STA = 5+838.589  
 N = 557,771.585  
 E = 330,422.798  
 $\Delta = 3^\circ 56' 17''$  (LT)  
 R = 300.000 m  
 T = 10.314 m  
 L = 20.619 m  
 E = 0.177 m

CURVE CL-37  
 PI STA = 5+929.110  
 N = 557,819.950  
 E = 330,499.324  
 $\Delta = 8^\circ 15' 22''$  (LT)  
 R = 300.000 m  
 T = 21.652 m  
 L = 43.229 m  
 E = 0.780 m

CURVE CL-34  
 PI STA = 5+571.108  
 N = 557,653.326  
 E = 330,182.617  
 $\Delta = 13^\circ 13' 12''$  (RT)  
 R = 350.000 m  
 T = 40.559 m  
 L = 80.757 m  
 E = 2.342 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 5+550 TO STA. 5+925

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	27
STA. TO STA.			
IDOT PROJECT NO. TE-00016101			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

**CURVE CL-37**  
 PI STA = 5+929.110  
 N = 557,819.950  
 E = 330,499.324  
 $\Delta = 8^\circ 15' 22''$  (LT)  
 R = 300.000 m  
 T = 21.652 m  
 L = 43.229 m  
 E = 0.780 m

**CURVE CL-39**  
 PI STA = 6+051.608  
 N = 557,894.669  
 E = 330,596.101  
 $\Delta = 4^\circ 04' 38''$  (LT)  
 R = 350.000 m  
 T = 12.458 m  
 L = 24.906 m  
 E = 0.222 m

**CURVE CL-41**  
 PI STA = 6+098.949  
 N = 557,914.388  
 E = 330,638.628  
 $\Delta = 3^\circ 56' 38''$  (LT)  
 R = 200.000 m  
 T = 6.886 m  
 L = 13.767 m  
 E = 0.119 m

**CURVE CL-42**  
 PI STA = 6+159.266  
 N = 559,935.530  
 E = 330,695.125  
 $\Delta = 10^\circ 58' 21''$  (LT)  
 R = 115.000 m  
 T = 11.045 m  
 L = 22.023 m  
 E = 0.529 m

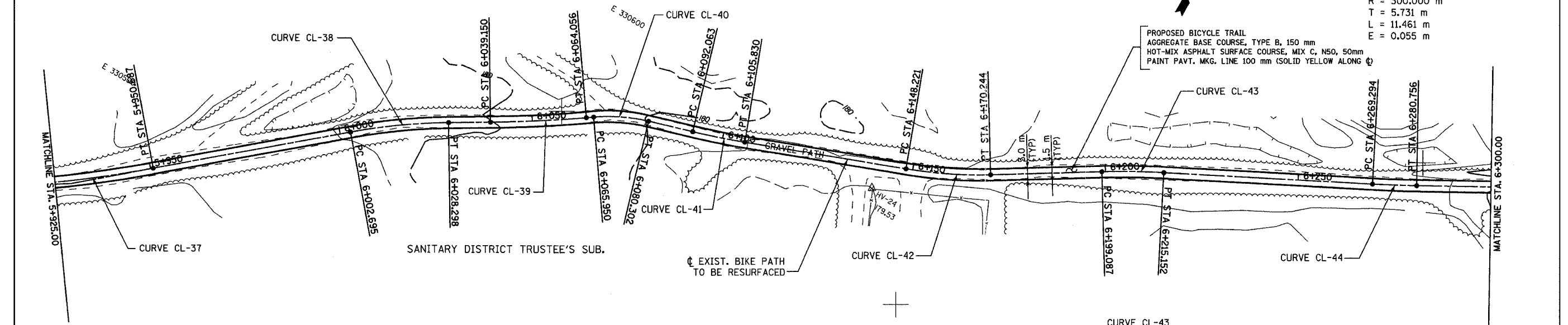
**CURVE CL-44**  
 PI STA = 6+275.026  
 N = 557,991.275  
 E = 330,796.562  
 $\Delta = 2^\circ 11' 20''$  (LT)  
 R = 300.000 m  
 T = 5.731 m  
 L = 11.461 m  
 E = 0.055 m

SANITARY DISTRICT TRUSTEE'S SUB.

SANITARY DISTRICT TRUSTEE'S SUB.

EXIST. BIKE PATH TO BE RESURFACED

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )

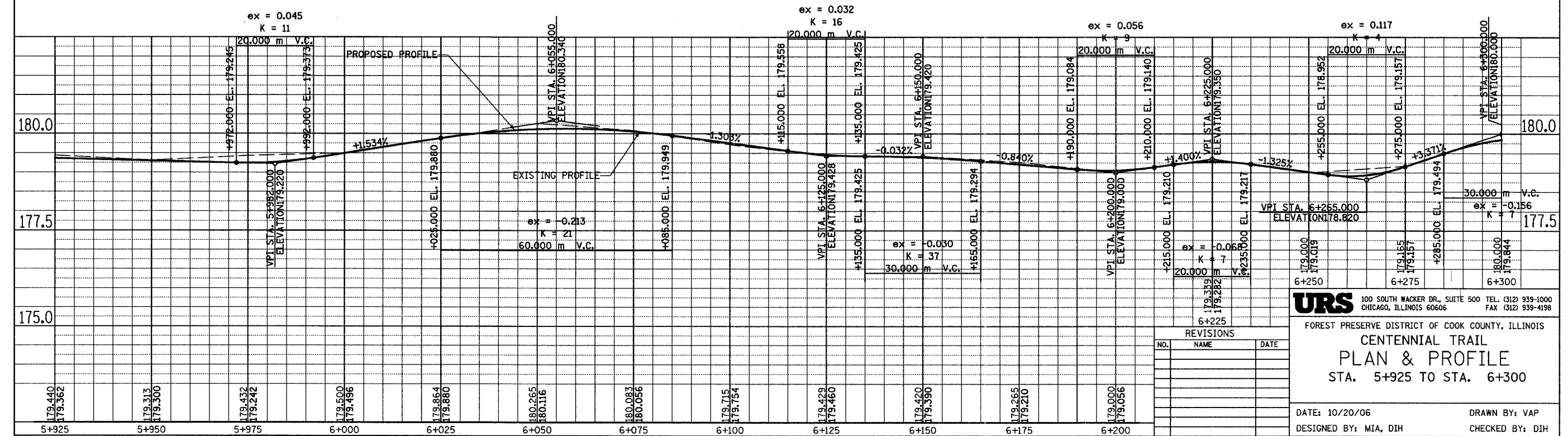
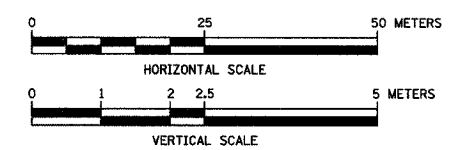


N 557800

**CURVE CL-38**  
 PI STA = 6+015.528  
 N = 557,876.179  
 E = 330,565.046  
 $\Delta = 9^\circ 46' 47''$  (RT)  
 R = 150.000 m  
 T = 12.833 m  
 L = 25.603 m  
 E = 0.548 m

**CURVE CL-40**  
 PI STA = 6+073.188  
 N = 557,907.005  
 E = 330,613.820  
 $\Delta = 18^\circ 16' 24''$  (RT)  
 R = 45.000 m  
 T = 7.237 m  
 L = 14.352 m  
 E = 0.578 m

**CURVE CL-43**  
 PI STA = 6+207.124  
 N = 557,960.563  
 E = 330,735.992  
 $\Delta = 4^\circ 36' 08''$  (RT)  
 R = 200.000 m  
 T = 8.037 m  
 L = 16.065 m  
 E = 0.161 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 5+925 TO STA. 6+300

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	28
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

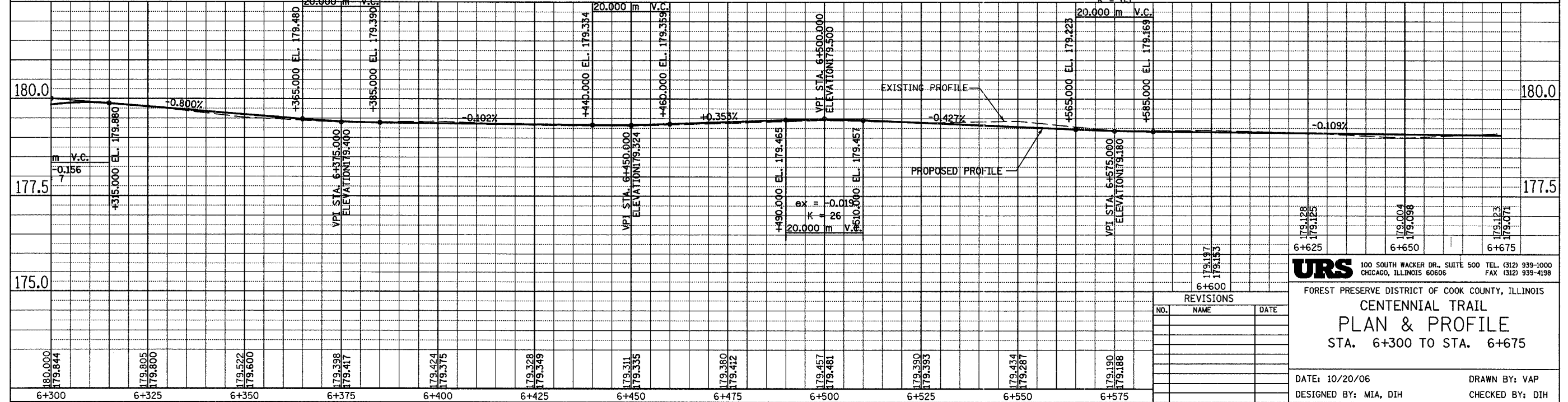
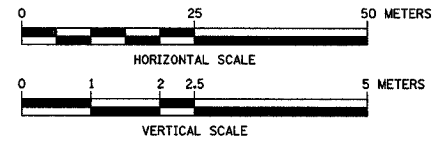
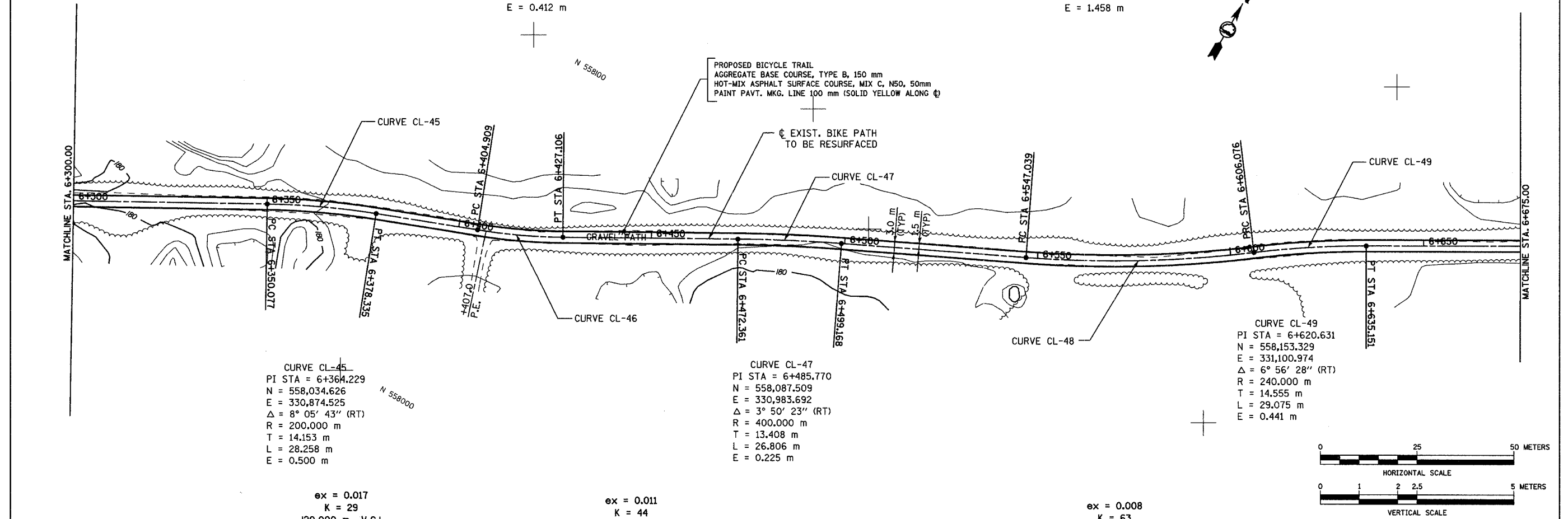
**CURVE CL-46**  
 PI STA = 6+416.027  
 N = 558,053.190  
 E = 330,922.932  
 $\Delta = 8^\circ 28' 43''$  (LT)  
 R = 150.000 m  
 T = 11.119 m  
 L = 22.197 m  
 E = 0.412 m

**CURVE CL-48**  
 PI STA = 6+576.653  
 N = 558,126.812  
 E = 331,065.650  
 $\Delta = 11^\circ 16' 31''$  (LT)  
 R = 300.000 m  
 T = 29.614 m  
 L = 59.037 m  
 E = 1.458 m

**CURVE CL-45**  
 PI STA = 6+364.229  
 N = 558,034.626  
 E = 330,874.525  
 $\Delta = 8^\circ 05' 43''$  (RT)  
 R = 200.000 m  
 T = 14.153 m  
 L = 28.258 m  
 E = 0.500 m

**CURVE CL-47**  
 PI STA = 6+485.770  
 N = 558,087.509  
 E = 330,983.692  
 $\Delta = 3^\circ 50' 23''$  (RT)  
 R = 400.000 m  
 T = 13.408 m  
 L = 26.806 m  
 E = 0.225 m

**CURVE CL-49**  
 PI STA = 6+620.631  
 N = 558,153.329  
 E = 331,100.974  
 $\Delta = 6^\circ 56' 28''$  (RT)  
 R = 240.000 m  
 T = 14.555 m  
 L = 29.075 m  
 E = 0.441 m



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 6+300 TO STA. 6+675

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-8T	COOK	102	29
STA. TO STA.			
IDOT PROJECT NO. TE-000(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

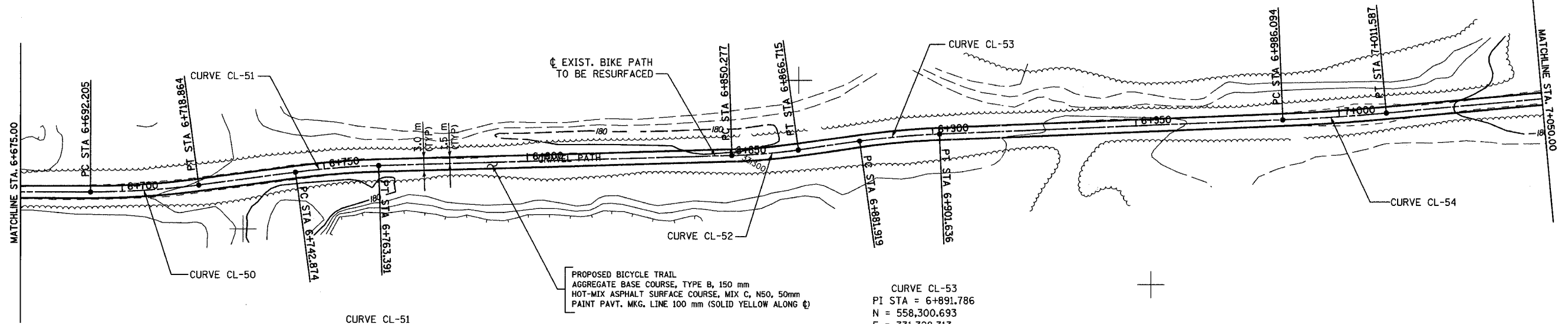
CURVE CL-50  
 PI STA = 6+705.555  
 N = 558,195.748  
 E = 331,174.584  
 $\Delta = 7^\circ 38' 14''$  (LT)  
 R = 200.000 m  
 T = 13.349 m  
 L = 26.659 m  
 E = 0.445 m

CURVE CL-52  
 PI STA = 6+858.504  
 N = 558,280.196  
 E = 331,301.970  
 $\Delta = 6^\circ 16' 44''$  (LT)  
 R = 150.000 m  
 T = 8.227 m  
 L = 16.438 m  
 E = 0.225 m

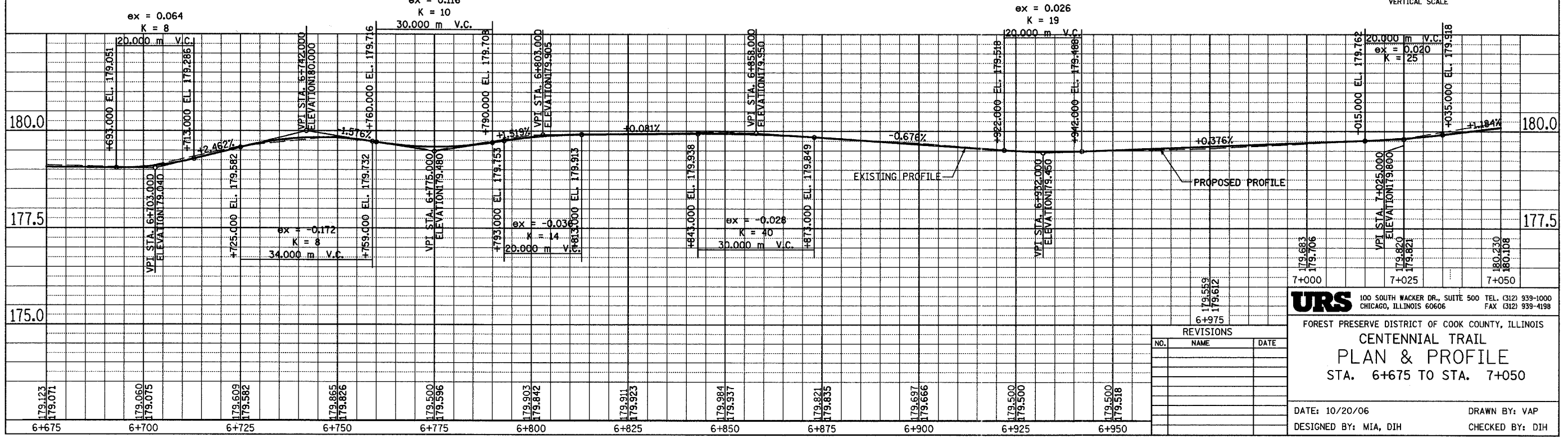
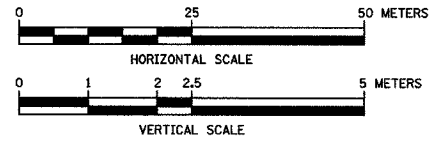
CURVE CL-54  
 PI STA = 6+998.843  
 N = 558,357.977  
 E = 331,418.674  
 $\Delta = 2^\circ 55' 17''$  (LT)  
 R = 500.000 m  
 T = 12.749 m  
 L = 25.493 m  
 E = 0.163 m

CURVE CL-51  
 PI STA = 6+753.141  
 N = 558,224.802  
 E = 331,212.323  
 $\Delta = 5^\circ 52' 40''$  (RT)  
 R = 200.000 m  
 T = 10.268 m  
 L = 20.518 m  
 E = 0.263 m

CURVE CL-53  
 PI STA = 6+891.786  
 N = 558,300.693  
 E = 331,328.313  
 $\Delta = 5^\circ 38' 54''$  (RT)  
 R = 200.000 m  
 T = 9.866 m  
 L = 19.717 m  
 E = 0.243 m



PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )



URS 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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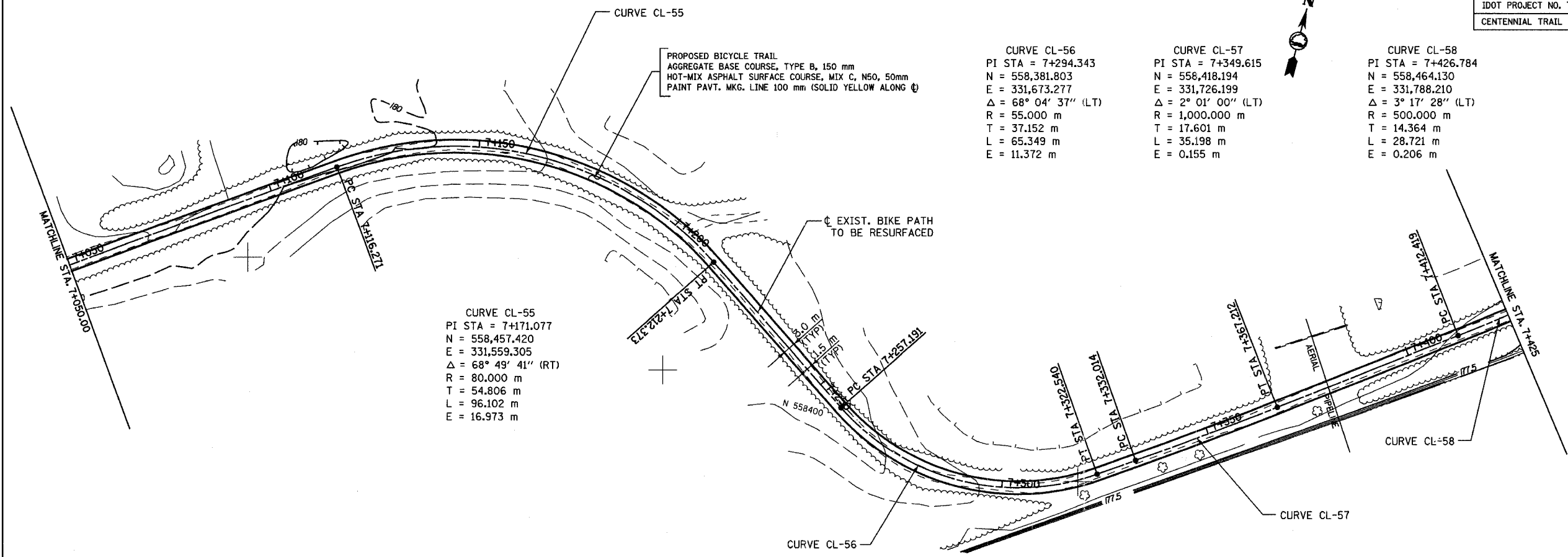
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 6+675 TO STA. 7+050

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	30
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



**CURVE CL-55**  
 PI STA = 7+171.077  
 N = 558,457.420  
 E = 331,559.305  
 $\Delta = 68^\circ 49' 41''$  (RT)  
 R = 80.000 m  
 T = 54.806 m  
 L = 96.102 m  
 E = 16.973 m

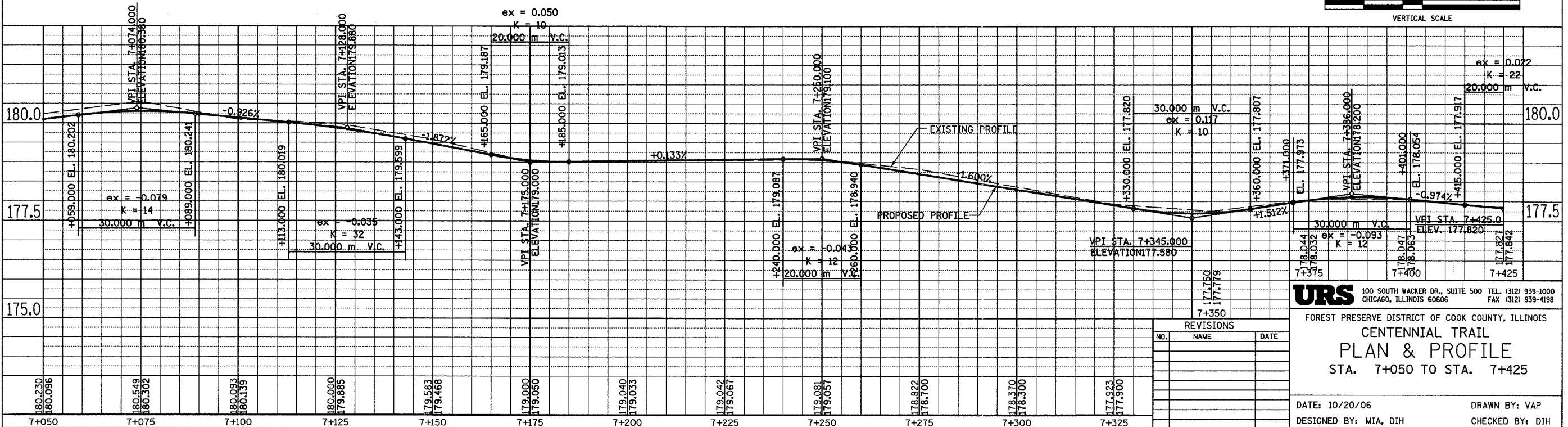
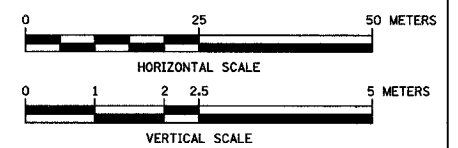
**CURVE CL-56**  
 PI STA = 7+294.343  
 N = 558,381.803  
 E = 331,673.277  
 $\Delta = 68^\circ 04' 37''$  (LT)  
 R = 55.000 m  
 T = 37.152 m  
 L = 65.349 m  
 E = 11.372 m

**CURVE CL-57**  
 PI STA = 7+349.615  
 N = 558,418.194  
 E = 331,726.199  
 $\Delta = 2^\circ 01' 00''$  (LT)  
 R = 1,000.000 m  
 T = 17.601 m  
 L = 35.198 m  
 E = 0.155 m

**CURVE CL-58**  
 PI STA = 7+426.784  
 N = 558,464.130  
 E = 331,788.210  
 $\Delta = 3^\circ 17' 28''$  (LT)  
 R = 500.000 m  
 T = 14.364 m  
 L = 28.721 m  
 E = 0.206 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N60, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )

EXIST. BIKE PATH  
 TO BE RESURFACED



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 7+050 TO STA. 7+425

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

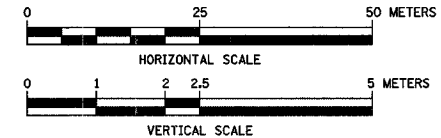
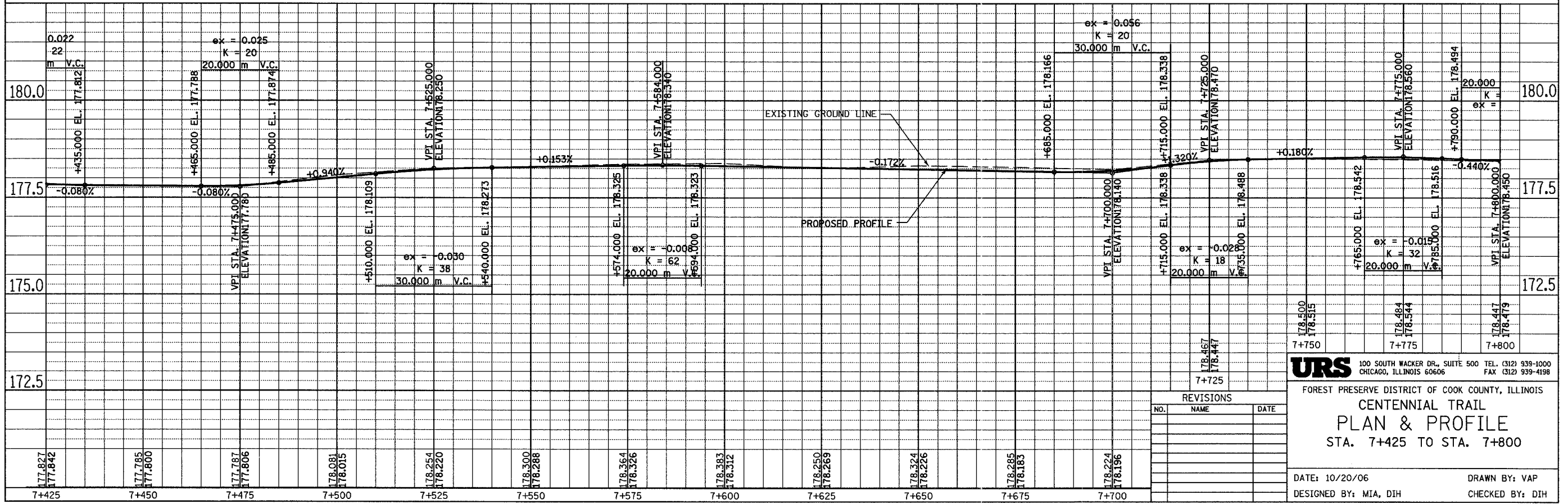
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	31
STA. TO STA.			
IDOT PROJECT NO. TE-0001610)			
CENTENNIAL TRAIL		CONTRACT NO. 83859	

**CURVE CL-60**  
 PI STA = 7+575.879  
 N = 558,551.213  
 E = 331,908.812  
 $\Delta = 3^\circ 41' 35''$  (LT)  
 R = 300.000 m  
 T = 9.671 m  
 L = 19.336 m  
 E = 0.156 m

**CURVE CL-61**  
 PI STA = 7+674.461  
 N = 558,606.307  
 E = 331,990.569  
 $\Delta = 4^\circ 33' 52''$  (LT)  
 R = 500.000 m  
 T = 19.927 m  
 L = 39.832 m  
 E = 0.397 m

**CURVE CL-59**  
 PI STA = 7+513.583  
 N = 558,519.722  
 E = 331,854.882  
 $\Delta = 9^\circ 32' 22''$  (RT)  
 R = 400.000 m  
 T = 33.376 m  
 L = 66.598 m  
 E = 1.390 m

**CURVE CL-62**  
 PI STA = 7+766.980  
 N = 558,663.964  
 E = 332,062.951  
 $\Delta = 2^\circ 15' 24''$  (RT)  
 R = 500.000 m  
 T = 9.848 m  
 L = 19.694 m  
 E = 0.097 m



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 7+425 TO STA. 7+800

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	32
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

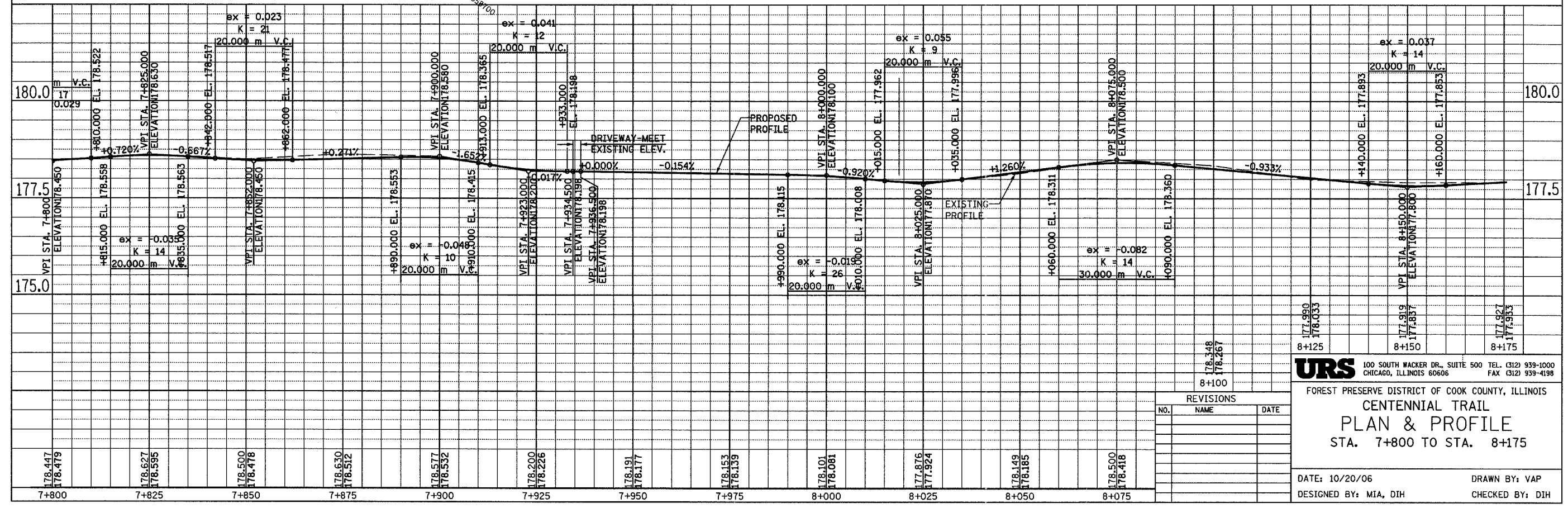
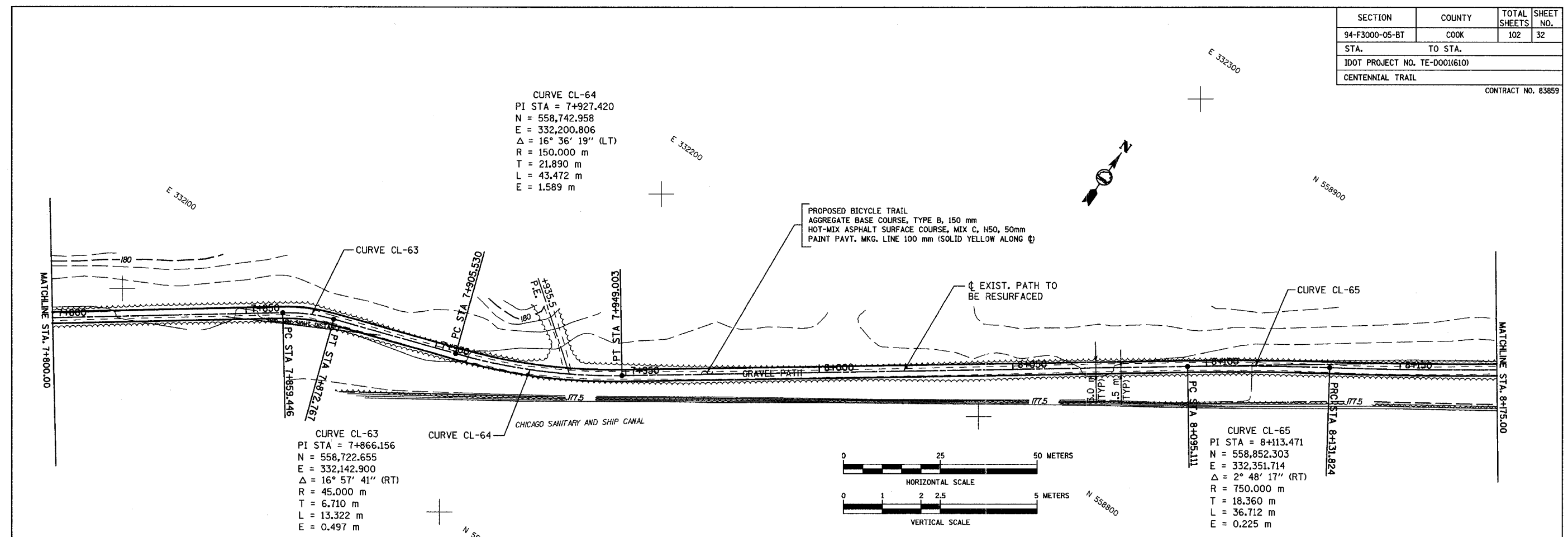
CONTRACT NO. 83859

CURVE CL-64  
 PI STA = 7+927.420  
 N = 558,742.958  
 E = 332,200.806  
 $\Delta = 16^\circ 36' 19''$  (LT)  
 R = 150.000 m  
 T = 21.890 m  
 L = 43.472 m  
 E = 1.589 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, H50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )

CURVE CL-63  
 PI STA = 7+866.156  
 N = 558,722.655  
 E = 332,142.900  
 $\Delta = 16^\circ 57' 41''$  (RT)  
 R = 45.000 m  
 T = 6.710 m  
 L = 13.322 m  
 E = 0.497 m

CURVE CL-65  
 PI STA = 8+113.471  
 N = 558,852.303  
 E = 332,351.714  
 $\Delta = 2^\circ 48' 17''$  (RT)  
 R = 750.000 m  
 T = 18.360 m  
 L = 36.712 m  
 E = 0.225 m



178.447	178.479	178.627	178.595	178.500	178.478	178.630	178.512	178.577	178.552	178.200	178.226	176.191	176.177	178.153	178.139	178.101	178.081	177.876	177.924	178.149	178.185	178.500	178.418
7+800	7+825	7+850	7+875	7+900	7+925	7+950	7+975	8+000	8+025	8+050	8+075												

REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 7+800 TO STA. 8+175

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	33
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

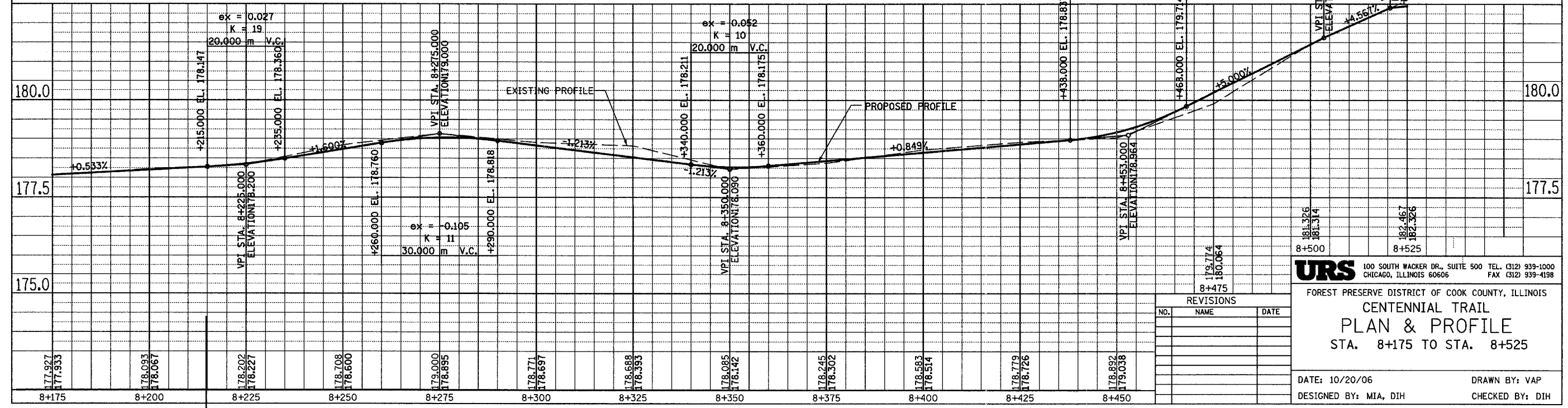
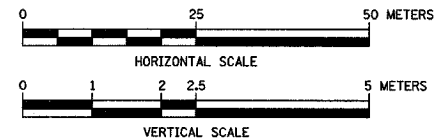
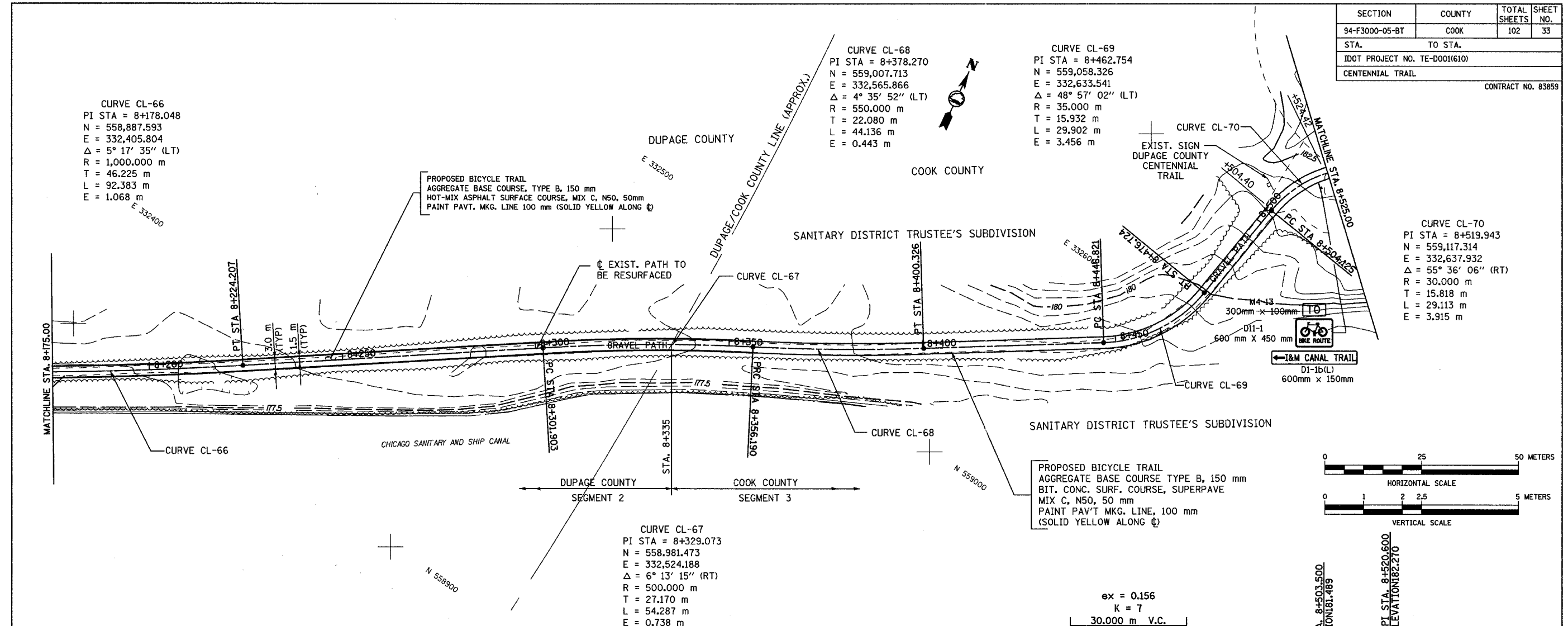
CURVE CL-66  
 PI STA = 8+178.048  
 N = 558,887.593  
 E = 332,405.804  
 $\Delta = 5^\circ 17' 35''$  (LT)  
 R = 1,000.000 m  
 T = 46.225 m  
 L = 92.383 m  
 E = 1.068 m

CURVE CL-68  
 PI STA = 8+378.270  
 N = 559,007.713  
 E = 332,565.866  
 $\Delta = 4^\circ 35' 52''$  (LT)  
 R = 550.000 m  
 T = 22.080 m  
 L = 44.136 m  
 E = 0.443 m

CURVE CL-69  
 PI STA = 8+462.754  
 N = 559,058.326  
 E = 332,633.541  
 $\Delta = 48^\circ 57' 02''$  (LT)  
 R = 35.000 m  
 T = 15.932 m  
 L = 29.902 m  
 E = 3.456 m

CURVE CL-70  
 PI STA = 8+519.943  
 N = 559,117.314  
 E = 332,637.932  
 $\Delta = 55^\circ 36' 06''$  (RT)  
 R = 30.000 m  
 T = 15.818 m  
 L = 29.113 m  
 E = 3.915 m

CURVE CL-67  
 PI STA = 8+329.073  
 N = 558,981.473  
 E = 332,524.188  
 $\Delta = 6^\circ 13' 15''$  (RT)  
 R = 500.000 m  
 T = 27.170 m  
 L = 54.287 m  
 E = 0.738 m



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

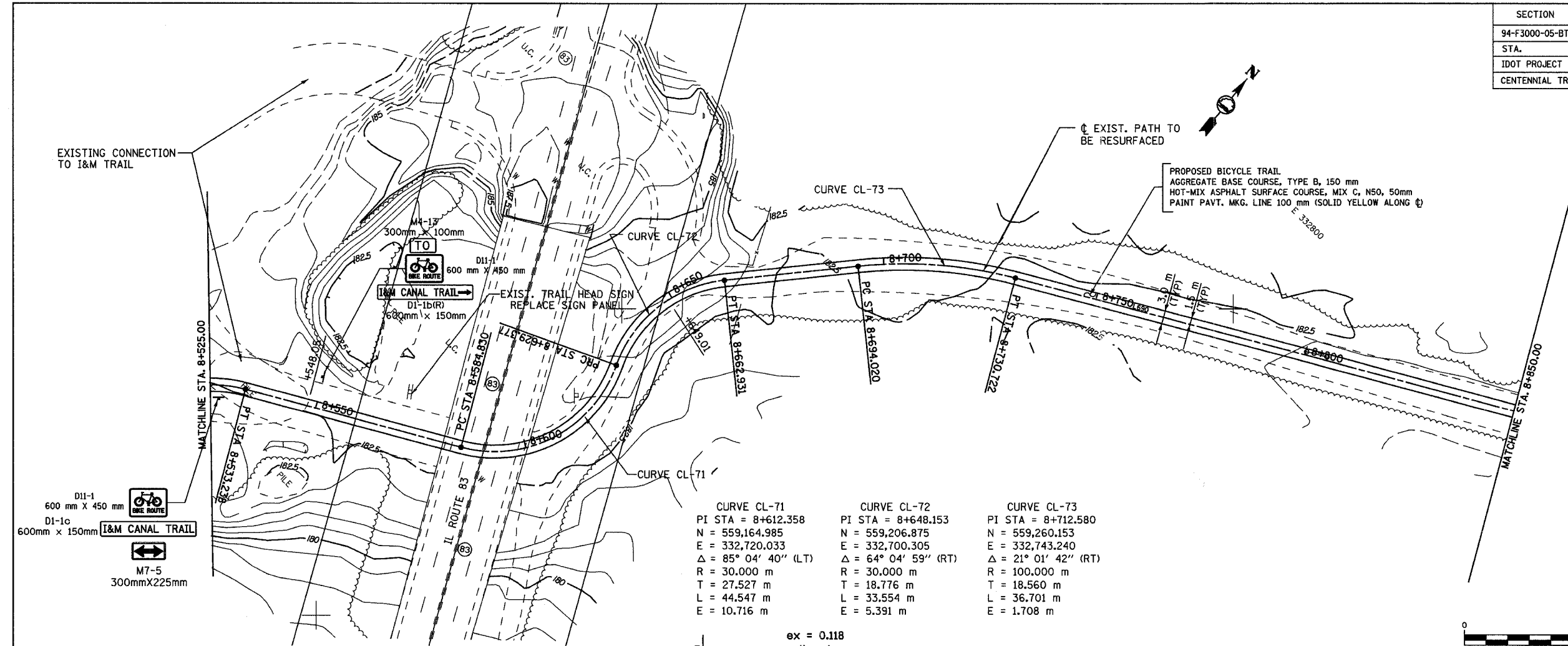
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 8+175 TO STA. 8+525

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH



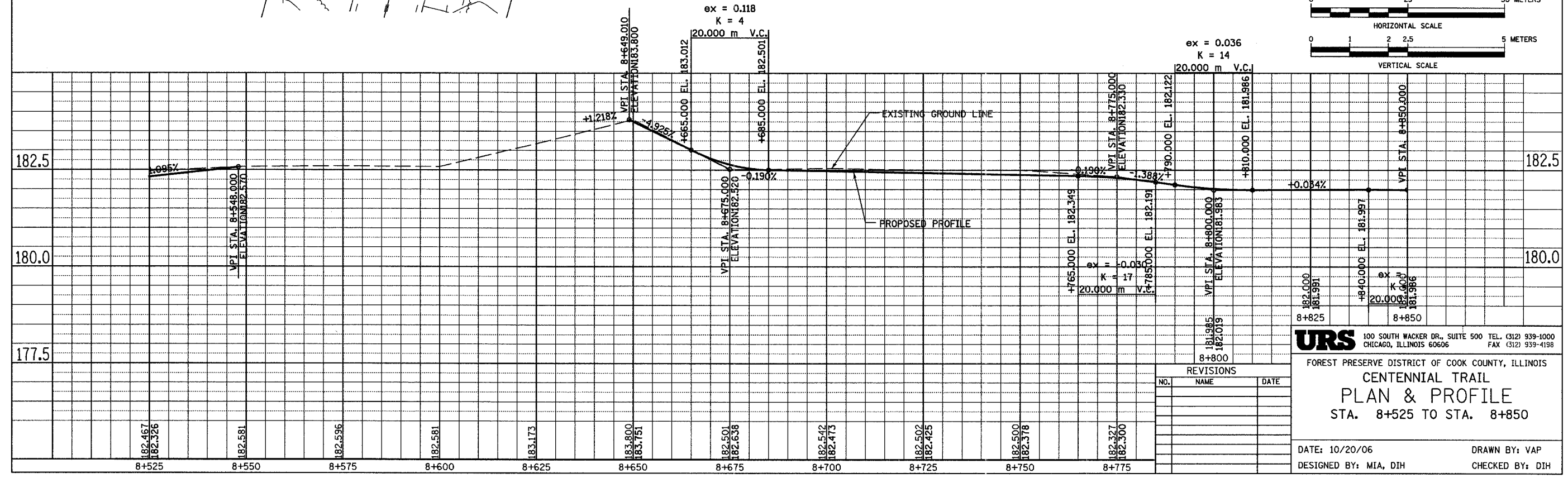
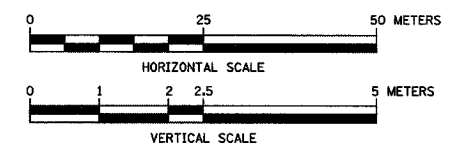
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	34
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83959



CURVE CL-71	CURVE CL-72	CURVE CL-73
PI STA = 8+612.358	PI STA = 8+648.153	PI STA = 8+712.580
N = 559,164.985	N = 559,206.875	N = 559,260.153
E = 332,720.033	E = 332,700.305	E = 332,743.240
Δ = 85° 04' 40" (LT)	Δ = 64° 04' 59" (RT)	Δ = 21° 01' 42" (RT)
R = 30.000 m	R = 30.000 m	R = 100.000 m
T = 27.527 m	T = 18.776 m	T = 18.560 m
L = 44.547 m	L = 33.554 m	L = 36.701 m
E = 10.716 m	E = 5.391 m	E = 1.708 m

- D11-1  
600 mm X 450 mm
- D1-1c  
600mm x 150mm
- M7-5  
300mmX225mm



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 8+525 TO STA. 8+850

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA, DIH CHECKED BY: DIH

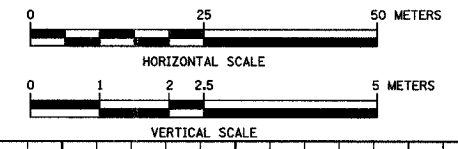
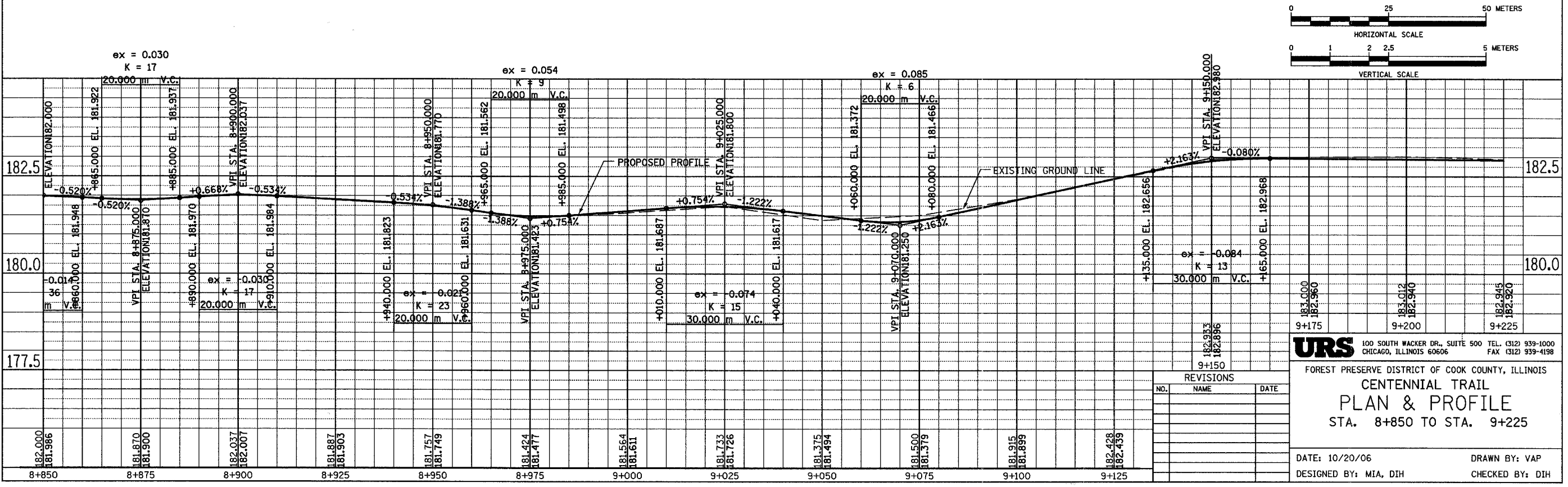
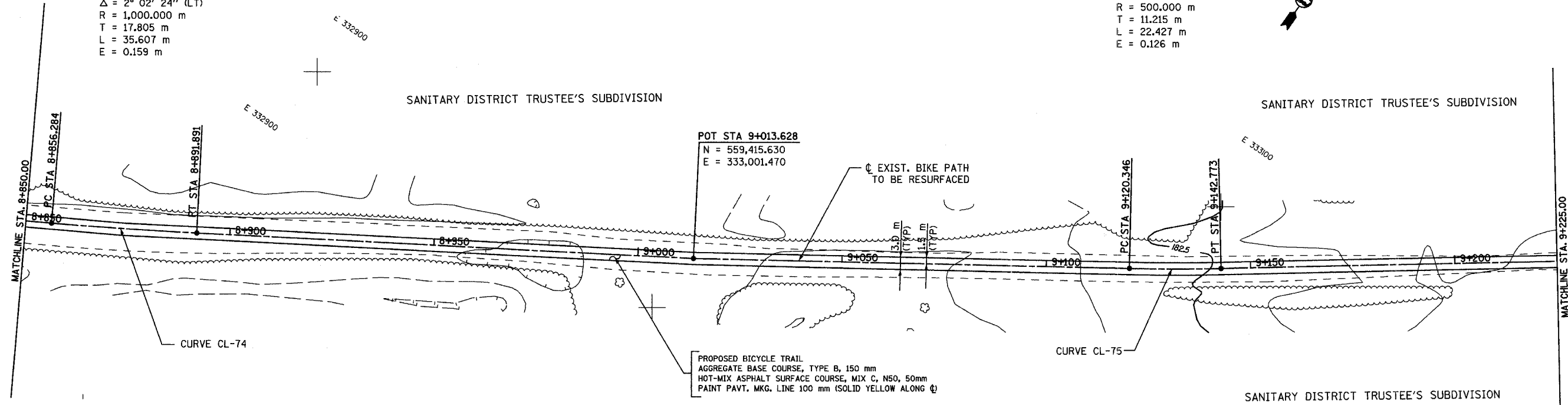


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	35
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

CURVE CL-74  
 PI STA = 8+874.089  
 N = 559,341.379  
 E = 332,883.322  
 $\Delta = 2^\circ 02' 24''$  (LT)  
 R = 1,000.000 m  
 T = 17.805 m  
 L = 35.607 m  
 E = 0.159 m

CURVE CL-75  
 PI STA = 9+131.561  
 N = 559,481.047  
 E = 333,099.596  
 $\Delta = 2^\circ 34' 12''$  (LT)  
 R = 500.000 m  
 T = 11.215 m  
 L = 22.427 m  
 E = 0.126 m



NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FIRST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 8+850 TO STA. 9+225

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	36
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

**CURVE CL-77**  
 PI STA = 9+403.263  
 N = 559,637.314  
 E = 333,321.823  
 $\Delta = 5^\circ 37' 51''$  (LT)  
 R = 150.000 m  
 T = 7.377 m  
 L = 14.741 m  
 E = 0.181 m

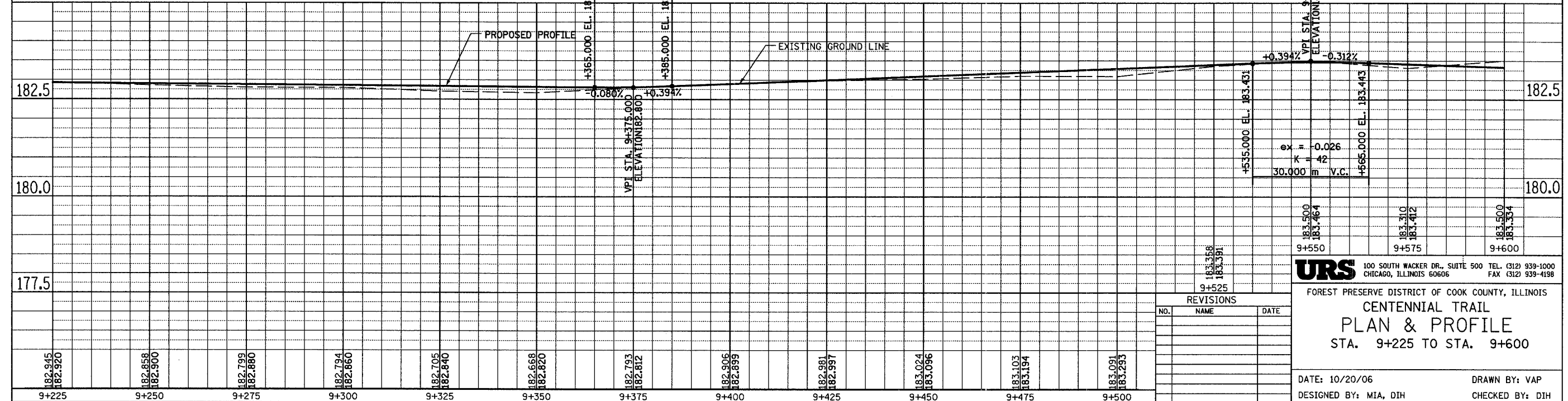
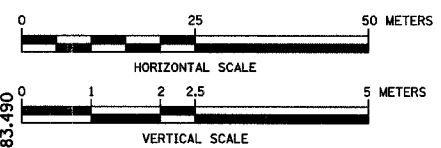
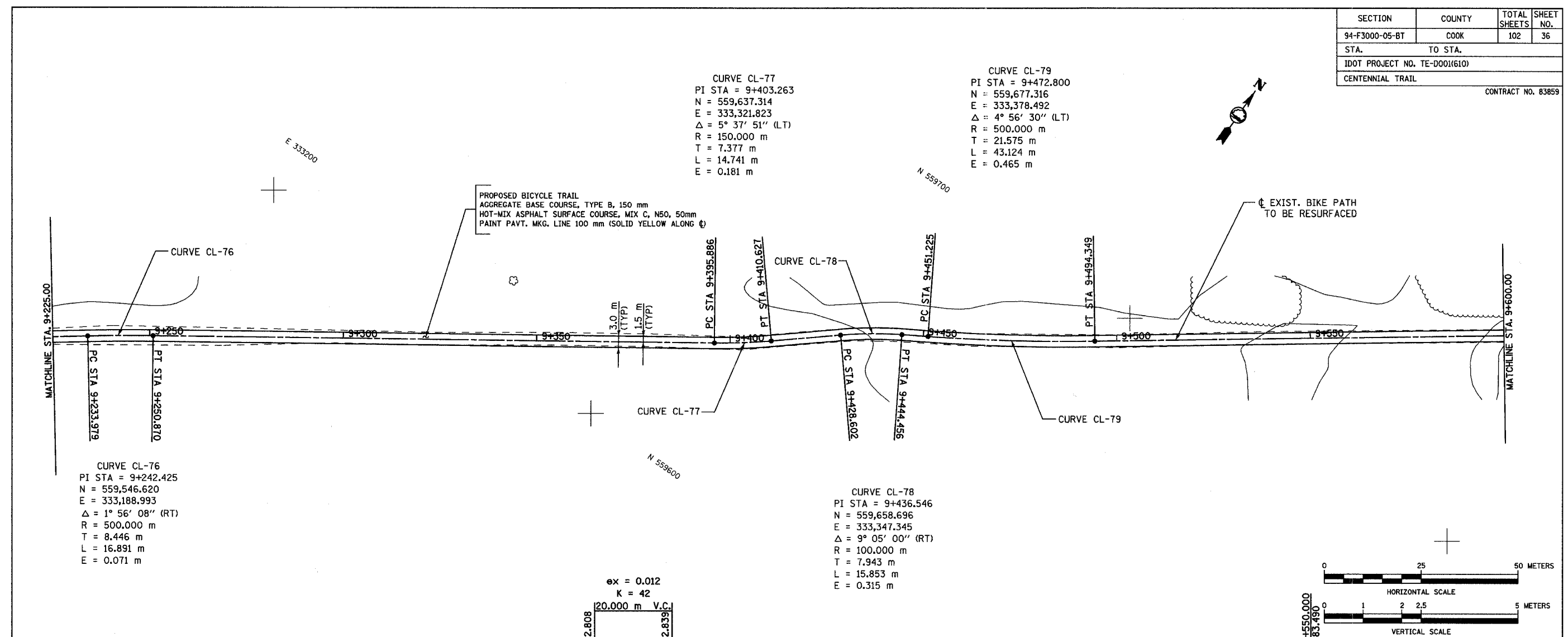
**CURVE CL-79**  
 PI STA = 9+472.800  
 N = 559,677.316  
 E = 333,378.492  
 $\Delta = 4^\circ 56' 30''$  (LT)  
 R = 500.000 m  
 T = 21.575 m  
 L = 43.124 m  
 E = 0.465 m

**CURVE CL-76**  
 PI STA = 9+242.425  
 N = 559,546.620  
 E = 333,188.993  
 $\Delta = 1^\circ 56' 08''$  (RT)  
 R = 500.000 m  
 T = 8.446 m  
 L = 16.891 m  
 E = 0.071 m

**CURVE CL-78**  
 PI STA = 9+436.546  
 N = 559,658.696  
 E = 333,347.345  
 $\Delta = 9^\circ 05' 00''$  (RT)  
 R = 100.000 m  
 T = 7.943 m  
 L = 15.853 m  
 E = 0.315 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )

$\phi$  EXIST. BIKE PATH TO BE RESURFACED



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

**CENTENNIAL TRAIL  
 PLAN & PROFILE**  
 STA. 9+225 TO STA. 9+600

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	37
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

CURVE CL-81  
 PI STA = 9+688.179  
 N = 559,801.680  
 E = 333,554.350  
 $\Delta = 3^\circ 42' 56''$  (LT)  
 R = 400.000 m  
 T = 12.974 m  
 L = 25.940 m  
 E = 0.210 m

CURVE CL-82  
 PI STA = 9+788.696  
 N = 559,863.670  
 E = 333,633.488  
 $\Delta = 5^\circ 37' 57''$  (LT)  
 R = 250.000 m  
 T = 12.298 m  
 L = 24.577 m  
 E = 0.302 m

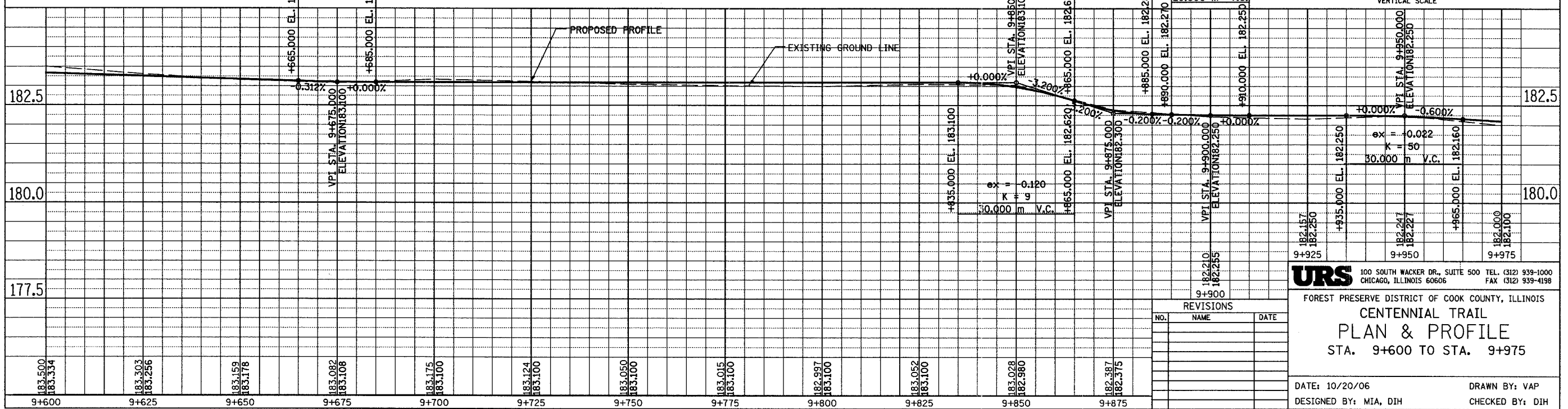
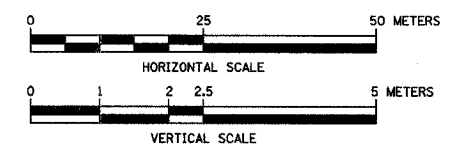
CURVE CL-83  
 PI STA = 9+874.295  
 N = 559,922.828  
 E = 333,695.383  
 $\Delta = 10^\circ 28' 02''$  (RT)  
 R = 650.000 m  
 T = 59.538 m  
 L = 118.746 m  
 E = 2.721 m

CURVE CL-80  
 PI STA = 9+607.400  
 N = 559,756.093  
 E = 333,487.663  
 $\Delta = 1^\circ 27' 26''$  (RT)  
 R = 500.000 m  
 T = 6.359 m  
 L = 12.716 m  
 E = 0.040 m

ex = 0.008  
 K = 64  
 20.000 m V.C.

ex = 0.075  
 K = 7  
 20.000 m V.C.

ex = 0.005  
 K = 100  
 20.000 m V.C.



NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 9+600 TO STA. 9+975

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

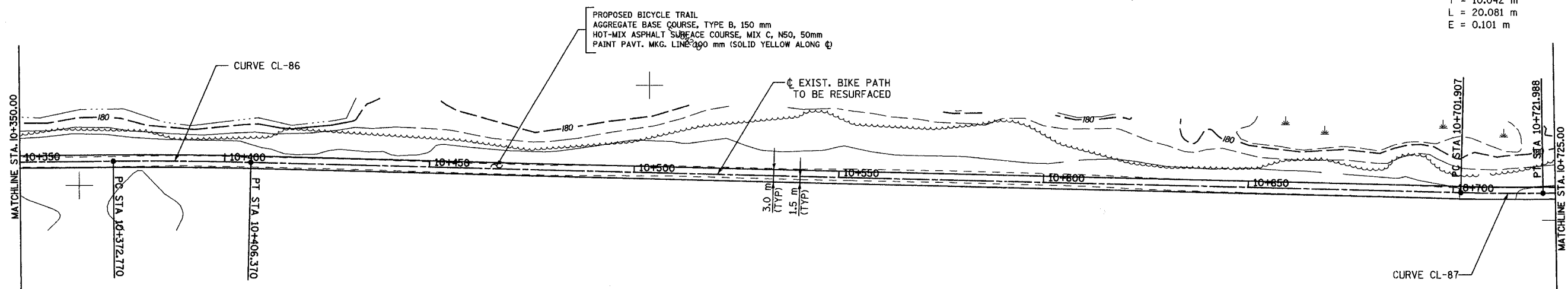


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	39
STA. TO STA.			
IDOT PROJECT NO. TE-0001610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

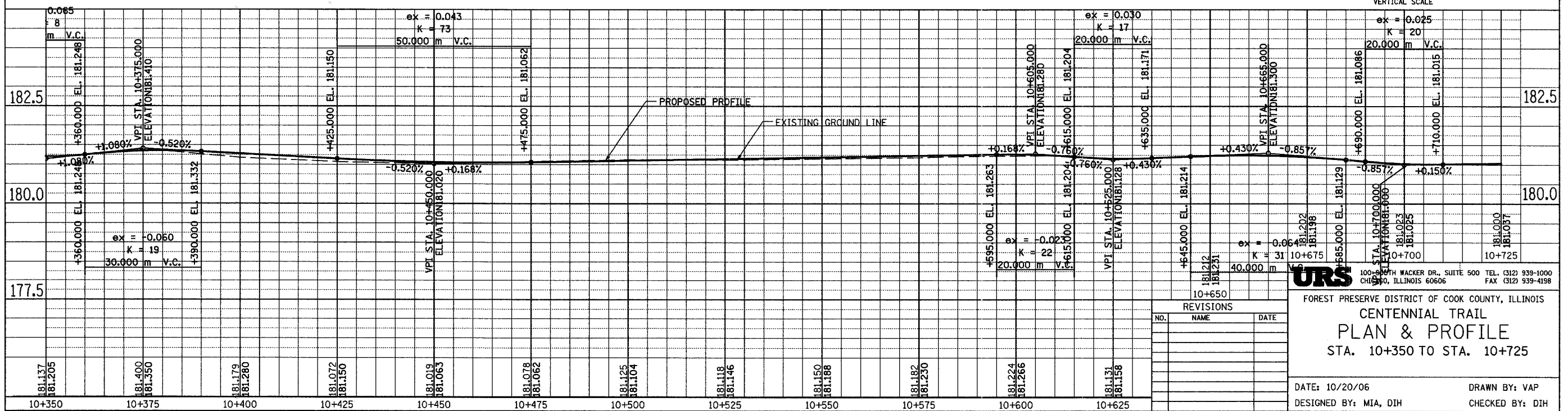
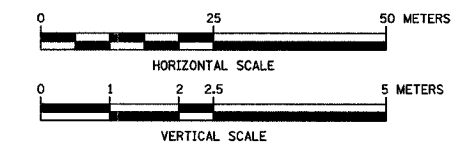
CURVE CL-87  
 PI STA = 10+711.949  
 N = 560,397.826  
 E = 334,385.553  
 $\Delta = 2^\circ 18' 04''$  (LT)  
 R = 500.000 m  
 T = 10.042 m  
 L = 20.081 m  
 E = 0.101 m

SANITARY DISTRICT TRUSTEE'S SUBDIVISION



CURVE CL-86  
 PI STA = 10+389.572  
 N = 560,219.368  
 E = 334,117.073  
 $\Delta = 1^\circ 55' 31''$  (RT)  
 R = 1,000.000 m  
 T = 16.802 m  
 L = 33.600 m  
 E = 0.141 m

SANITARY DISTRICT TRUSTEE'S SUBDIVISION



URS  
 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX: (312) 939-4198

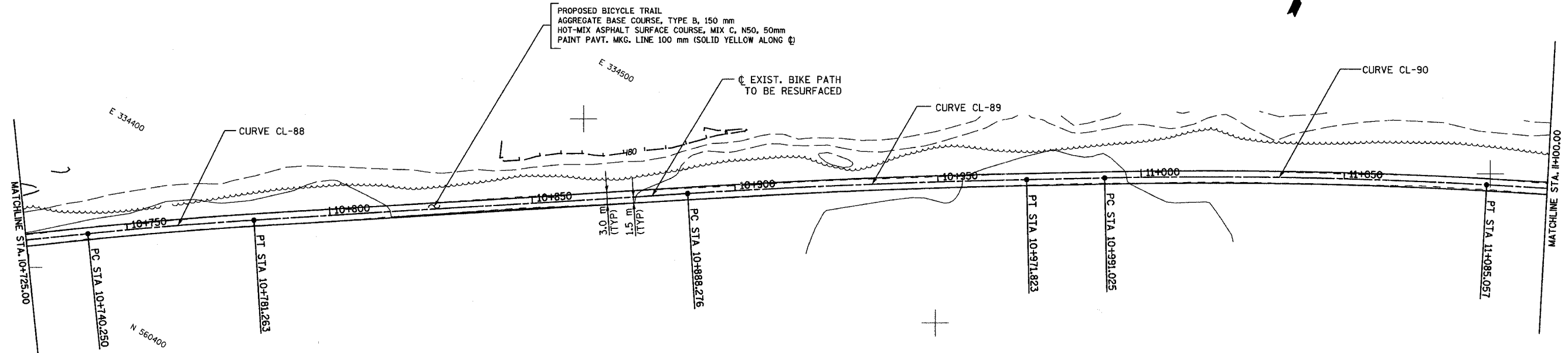
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 10+350 TO STA. 10+725

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	40
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

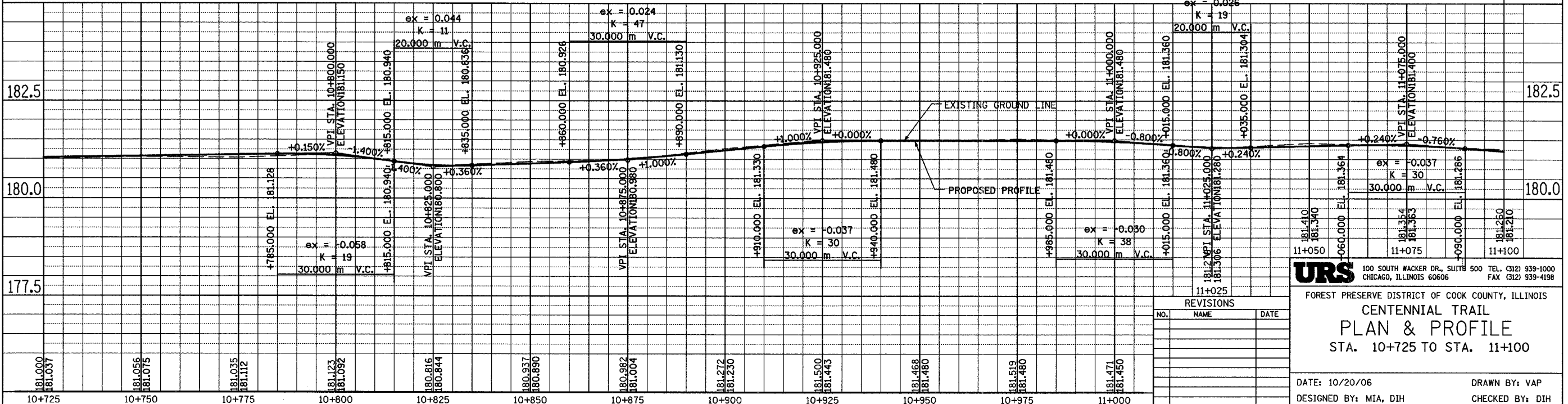
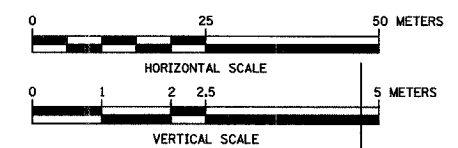
CONTRACT NO. 83859



**CURVE CL-88**  
 PI STA = 10+760.760  
 N = 560,426.458  
 E = 334,425.088  
 $\Delta = 2^\circ 20' 59''$  (RT)  
 R = 1,000,000 m  
 T = 20,509 m  
 L = 41.013 m  
 E = 0.210 m

**CURVE CL-89**  
 PI STA = 10+930.056  
 N = 560,520.058  
 E = 334,563.163  
 $\Delta = 2^\circ 23' 36''$  (RT)  
 R = 2,000,000 m  
 T = 41,780 m  
 L = 83.547 m  
 E = 0.436 m

**CURVE CL-90**  
 PI STA = 11+038.063  
 N = 560,575.966  
 E = 334,658.589  
 $\Delta = 4^\circ 18' 36''$  (RT)  
 R = 1,250,000 m  
 T = 47,038 m  
 L = 94.032 m  
 E = 0.885 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 10+725 TO STA. 11+100

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	41
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

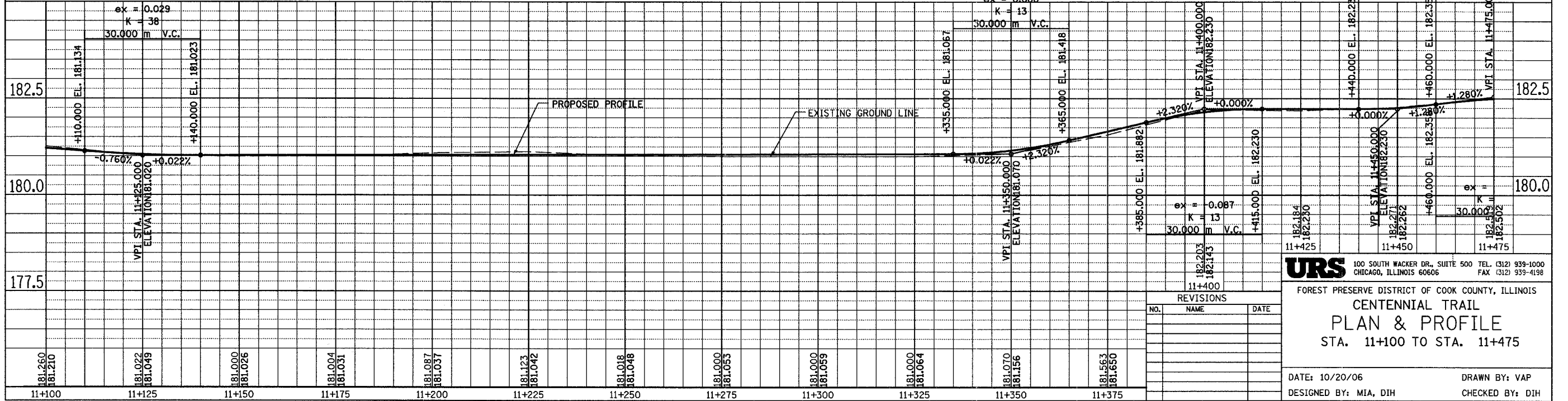
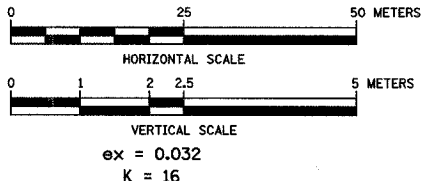
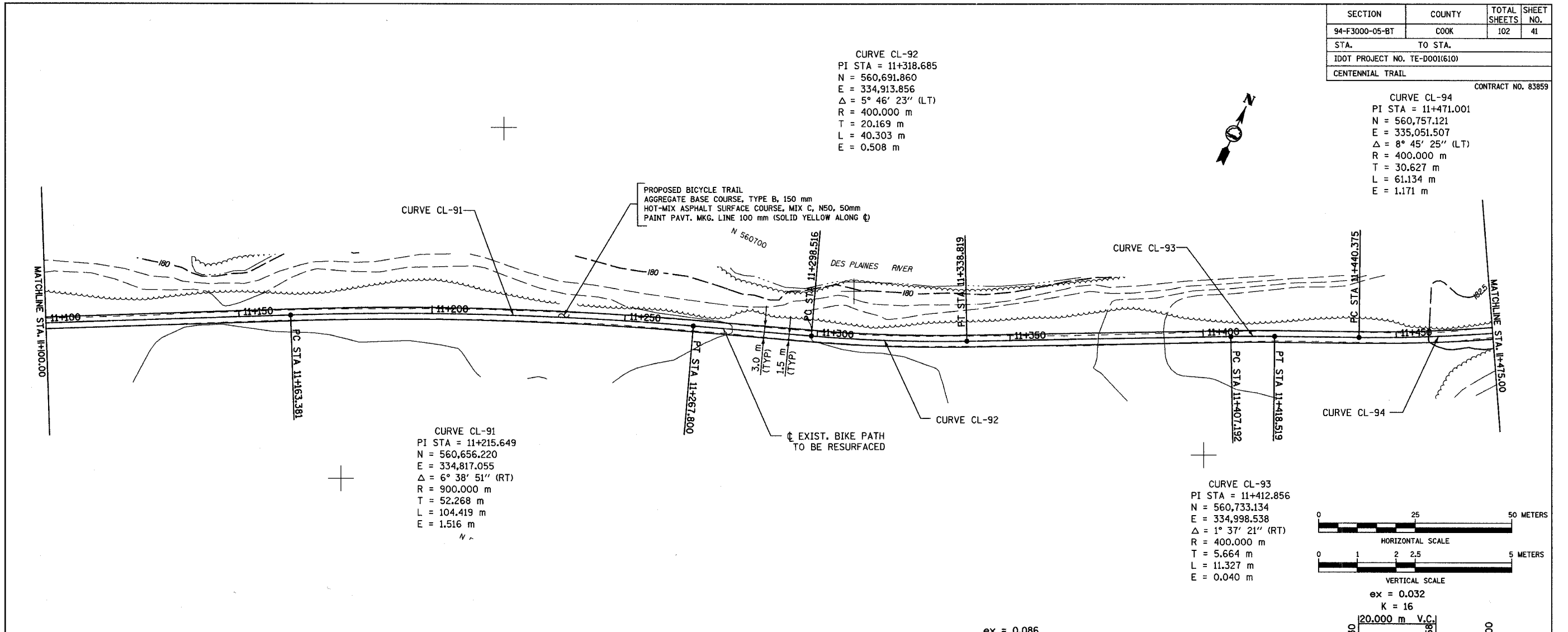
CONTRACT NO. 83859

CURVE CL-92  
 PI STA = 11+318.685  
 N = 560,691.860  
 E = 334,913.856  
 $\Delta = 5^\circ 46' 23''$  (LT)  
 R = 400.000 m  
 T = 20.169 m  
 L = 40.303 m  
 E = 0.508 m

CURVE CL-94  
 PI STA = 11+471.001  
 N = 560,757.121  
 E = 335,051.507  
 $\Delta = 8^\circ 45' 25''$  (LT)  
 R = 400.000 m  
 T = 30.627 m  
 L = 61.134 m  
 E = 1.171 m

CURVE CL-91  
 PI STA = 11+215.649  
 N = 560,656.220  
 E = 334,817.055  
 $\Delta = 6^\circ 38' 51''$  (RT)  
 R = 900.000 m  
 T = 52.268 m  
 L = 104.419 m  
 E = 1.516 m

CURVE CL-93  
 PI STA = 11+412.856  
 N = 560,733.134  
 E = 334,998.538  
 $\Delta = 1^\circ 37' 21''$  (RT)  
 R = 400.000 m  
 T = 5.664 m  
 L = 11.327 m  
 E = 0.040 m



NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 11+100 TO STA. 11+475

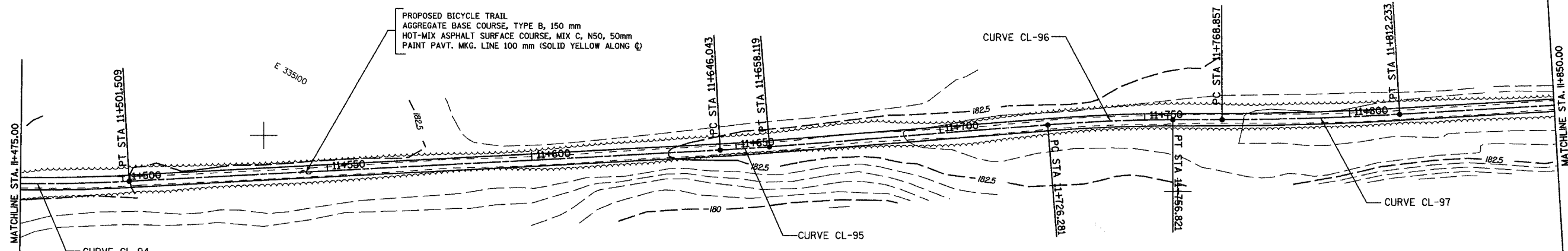
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	42
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

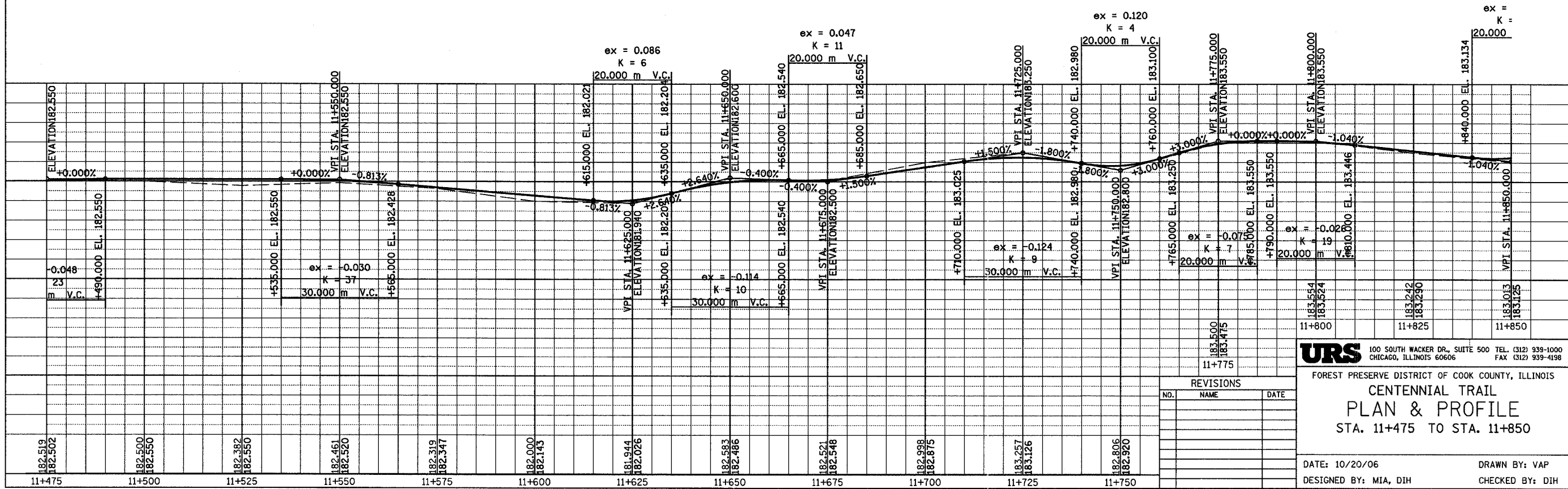
CONTRACT NO. 63859

CURVE CL-95  
 PI STA = 11+652.081  
 N = 560,856.126  
 EB = 335,203.267  
 $\Delta = 1^\circ 23' 02''$  (LT)  
 R = 500.000 m  
 T = 6.039 m  
 L = 12.076 m  
 E = 0.036 m

CURVE CL-97  
 PI STA = 11+790.551  
 N = 560,931.410  
 E = 335,319.391  
 $\Delta = 3^\circ 18' 49''$  (LT)  
 R = 750.000 m  
 T = 21.694 m  
 L = 43.376 m  
 E = 0.314 m



CURVE CL-96  
 PI STA = 11+741.558  
 N = 560,906.810  
 E = 335,277.004  
 $\Delta = 4^\circ 22' 28''$  (RT)  
 R = 400.000 m  
 T = 15.277 m  
 L = 30.540 m  
 E = 0.292 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

**CENTENNIAL TRAIL  
 PLAN & PROFILE  
 STA. 11+475 TO STA. 11+850**

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

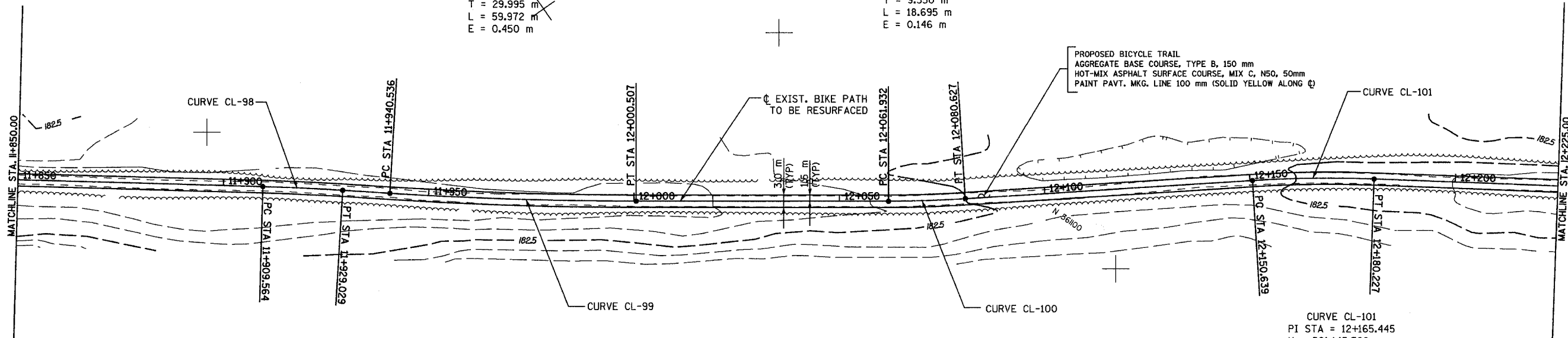
REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	43
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)	CENTENNIAL TRAIL		

CONTRACT NO. 83859

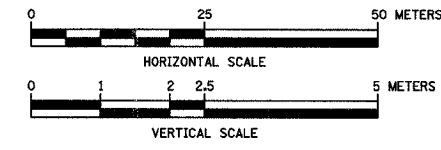
CURVE CL-99  
 PI STA = 11+970.530  
 N = 561,029.202  
 E = 335,470.478  
 $\Delta = 3^\circ 26' 10''$  (LT)  
 R = 1,000.000 m  
 T = 29.995 m  
 L = 59.972 m  
 E = 0.450 m

CURVE CL-100  
 PI STA = 12+071.282  
 N = 561,087.030  
 E = 335,553.003  
 $\Delta = 3^\circ 34' 14''$  (LT)  
 R = 300.000 m  
 T = 9.350 m  
 L = 18.695 m  
 E = 0.146 m



CURVE CL-98  
 PI STA = 11+919.297  
 N = 561,002.368  
 E = 335,426.832  
 $\Delta = 1^\circ 51' 32''$  (RT)  
 R = 600.000 m  
 T = 9.734 m  
 L = 19.465 m  
 E = 0.079 m

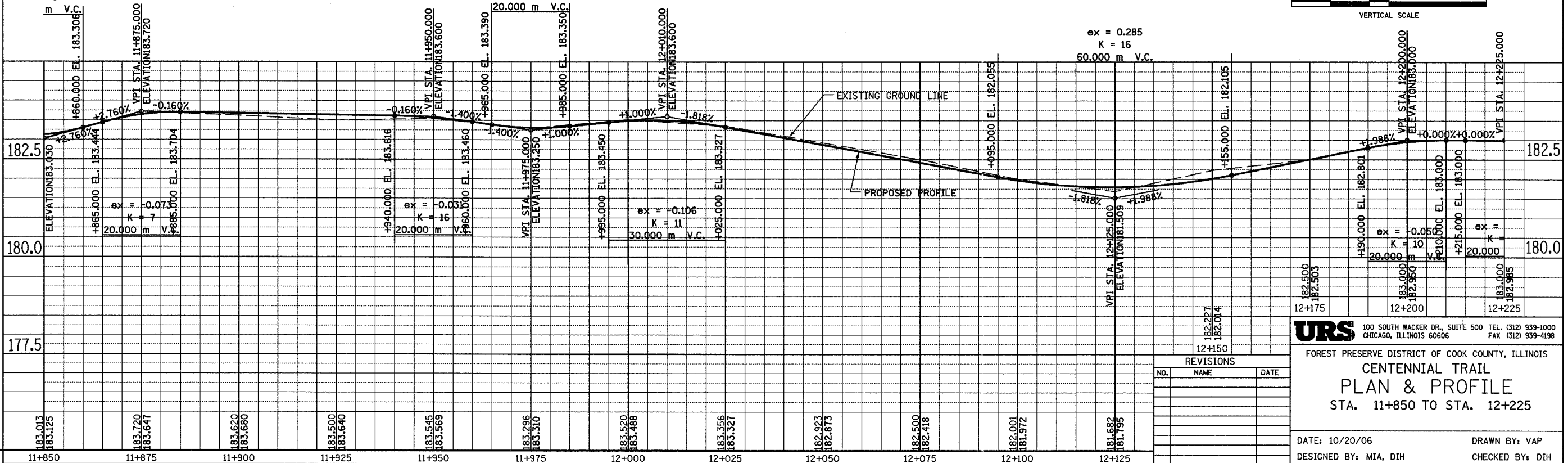
CURVE CL-101  
 PI STA = 12+165.445  
 N = 561,145.768  
 E = 335,626.608  
 $\Delta = 5^\circ 39' 04''$  (RT)  
 R = 300.000 m  
 T = 14.806 m  
 L = 29.588 m  
 E = 0.365 m



0.095  
 " 5  
 V.C.

ex = 0.060  
 K = 8  
 20.000 m V.C.

ex = 0.285  
 K = 16  
 60.000 m V.C.



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 11+850 TO STA. 12+225

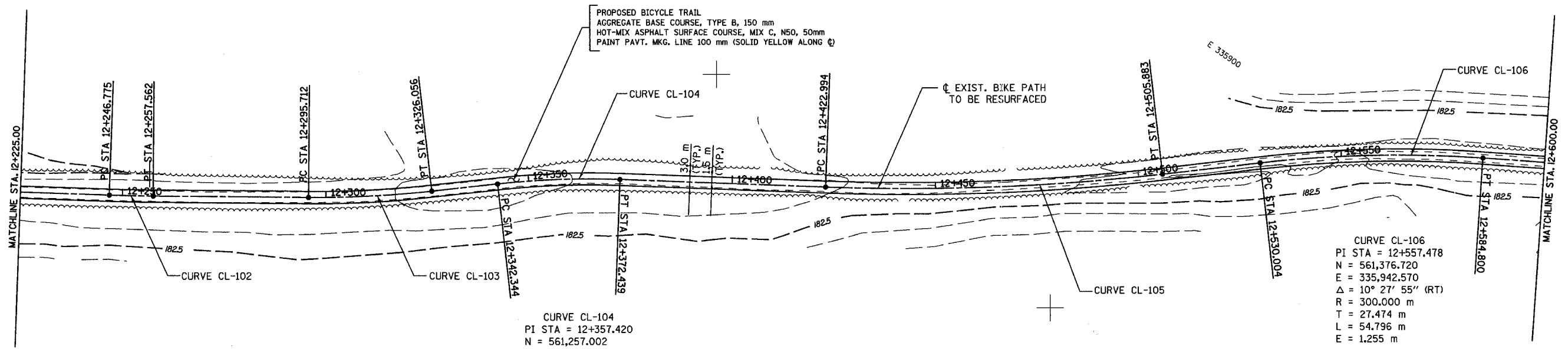
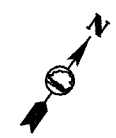
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

CURVE CL-102  
 PI STA = 12+252.169  
 N = 561,192.937  
 E = 335,699.411  
 $\Delta = 1^\circ 32' 43''$  (LT)  
 R = 400.000 m  
 T = 5.394 m  
 L = 10.787 m  
 E = 0.036 m

CURVE CL-103  
 PI STA = 12+310.902  
 N = 561,226.191  
 E = 335,747.824  
 $\Delta = 6^\circ 57' 15''$  (LT)  
 R = 250.000 m  
 T = 15.191 m  
 L = 30.344 m  
 E = 0.461 m

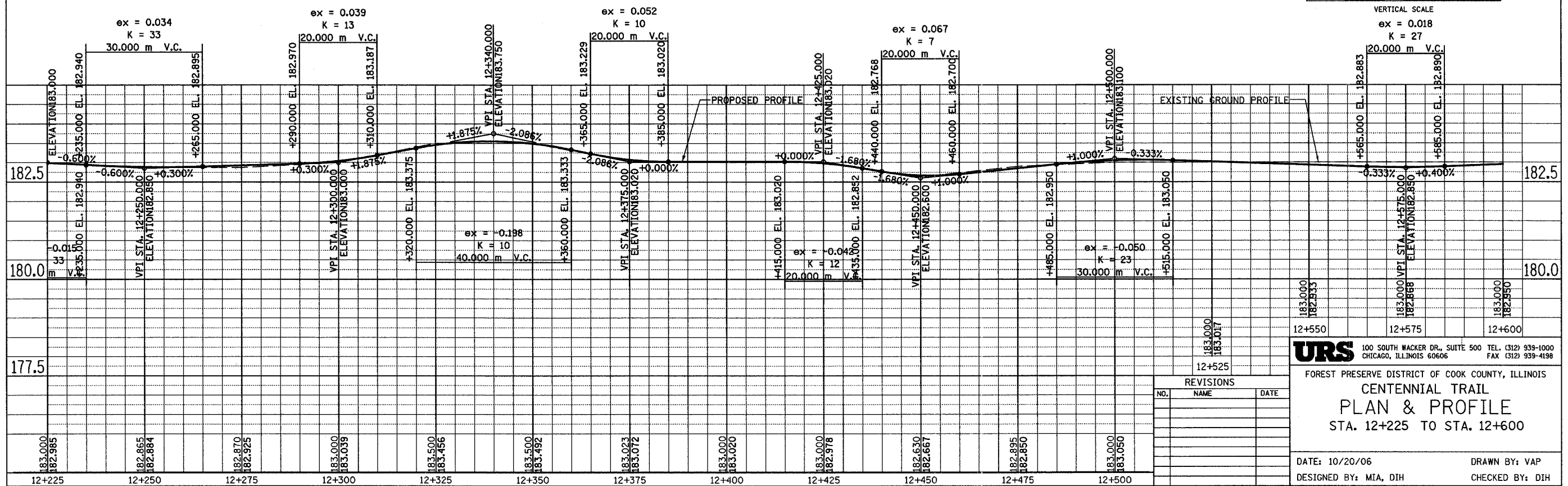
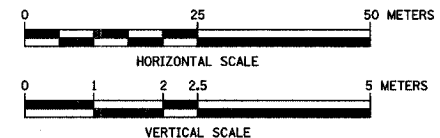
CURVE CL-105  
 PI STA = 12+464.517  
 N = 561,315.076  
 E = 335,872.778  
 $\Delta = 8^\circ 38' 06''$  (LT)  
 R = 550.000 m  
 T = 41.523 m  
 L = 82.889 m  
 E = 1.565 m

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	44
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



CURVE CL-104  
 PI STA = 12+357.420  
 N = 561,257.002  
 E = 335,782.725  
 $\Delta = 8^\circ 37' 17''$  (RT)  
 R = 200.000 m  
 T = 15.076 m  
 L = 30.095 m  
 E = 0.567 m

CURVE CL-106  
 PI STA = 12+557.478  
 N = 561,376.720  
 E = 335,942.570  
 $\Delta = 10^\circ 27' 55''$  (RT)  
 R = 300.000 m  
 T = 27.474 m  
 L = 54.796 m  
 E = 1.255 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 12+225 TO STA. 12+600

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

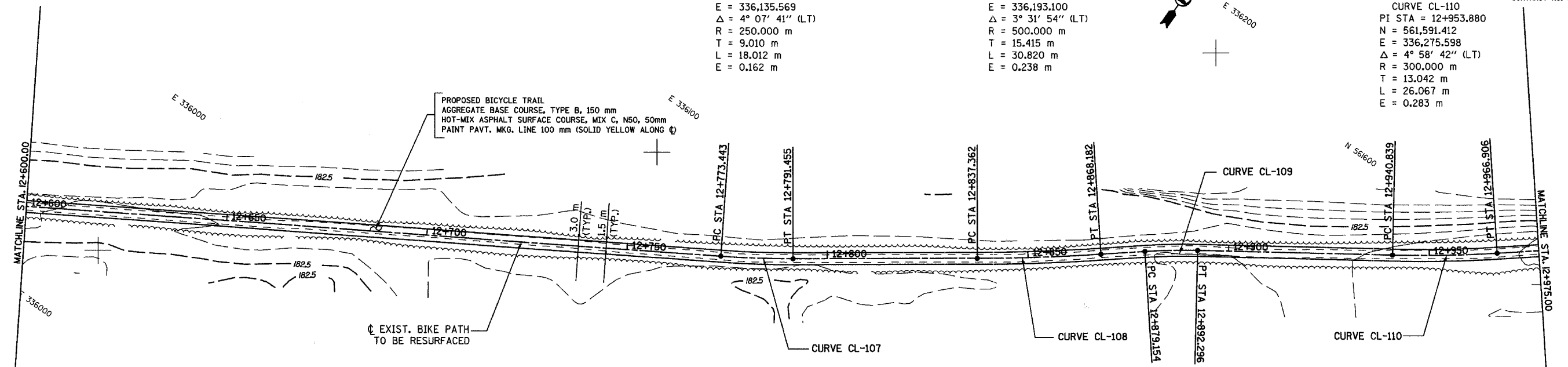
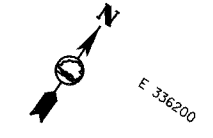
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	45
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

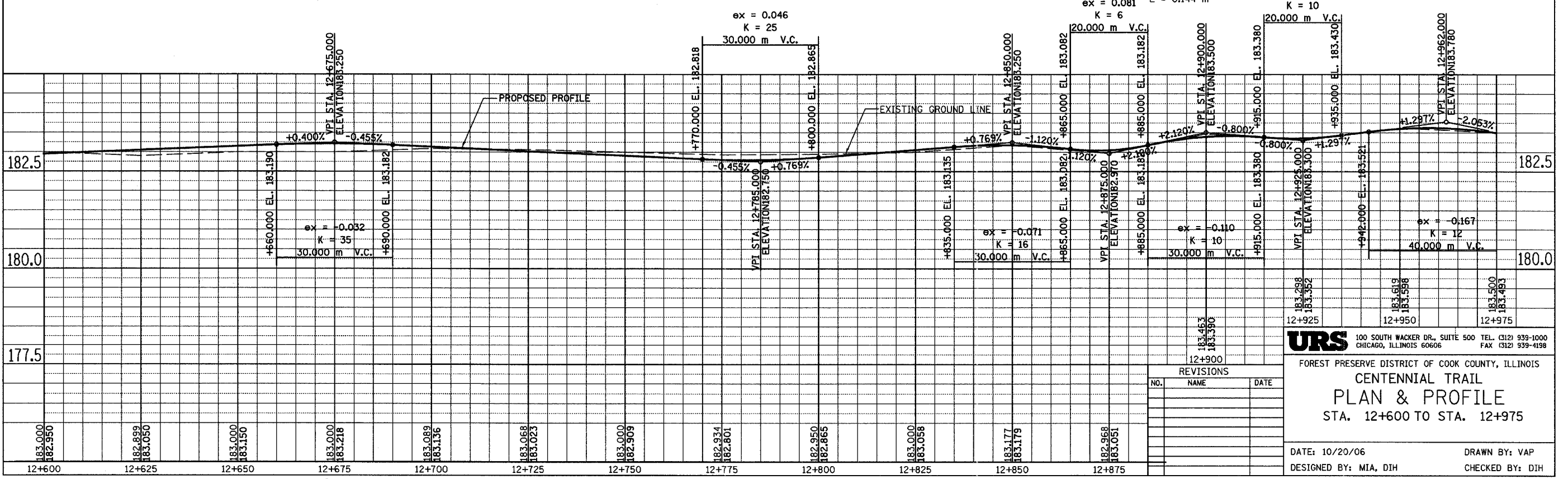
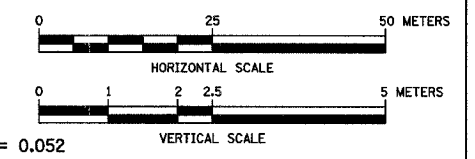
**CURVE CL-107**  
 PI STA = 12+782.453  
 N = 561,492.625  
 E = 336,135.569  
 $\Delta = 4^\circ 07' 41''$  (LT)  
 R = 250.000 m  
 T = 9.010 m  
 L = 18.012 m  
 E = 0.162 m

**CURVE CL-108**  
 PI STA = 12+852.777  
 N = 561,533.081  
 E = 336,193.100  
 $\Delta = 3^\circ 31' 54''$  (LT)  
 R = 500.000 m  
 T = 15.415 m  
 L = 30.820 m  
 E = 0.238 m

**CURVE CL-110**  
 PI STA = 12+953.880  
 N = 561,591.412  
 E = 336,275.598  
 $\Delta = 4^\circ 58' 42''$  (LT)  
 R = 300.000 m  
 T = 13.042 m  
 L = 26.067 m  
 E = 0.283 m



**CURVE CL-109**  
 PI STA = 12+885.729  
 N = 561,553.667  
 E = 336,218.844  
 $\Delta = 5^\circ 01' 11''$  (RT)  
 R = 150.000 m  
 T = 6.575 m  
 L = 13.142 m  
 E = 0.144 m



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 12+600 TO STA. 12+975

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	46
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

**CURVE CL-112**  
 PI STA = 13+045.568  
 N = 561,646.836  
 E = 336,348.579  
 $\Delta = 2^\circ 37' 03''$  (LT)  
 R = 200.000 m  
 T = 4.569 m  
 L = 9.137 m  
 E = 0.052 m

**CURVE CL-114**  
 PI STA = 13+127.829  
 N = 561,693.884  
 E = 336,416.012  
 $\Delta = 4^\circ 55' 22''$  (LT)  
 R = 100.000 m  
 T = 4.299 m  
 L = 8.592 m  
 E = 0.092 m

**CURVE CL-117**  
 PI STA = 13+253.869  
 N = 561,763.464  
 E = 336,521.042  
 $\Delta = 1^\circ 57' 14''$  (LT)  
 R = 400.000 m  
 T = 6.821 m  
 L = 13.641 m  
 E = 0.058 m

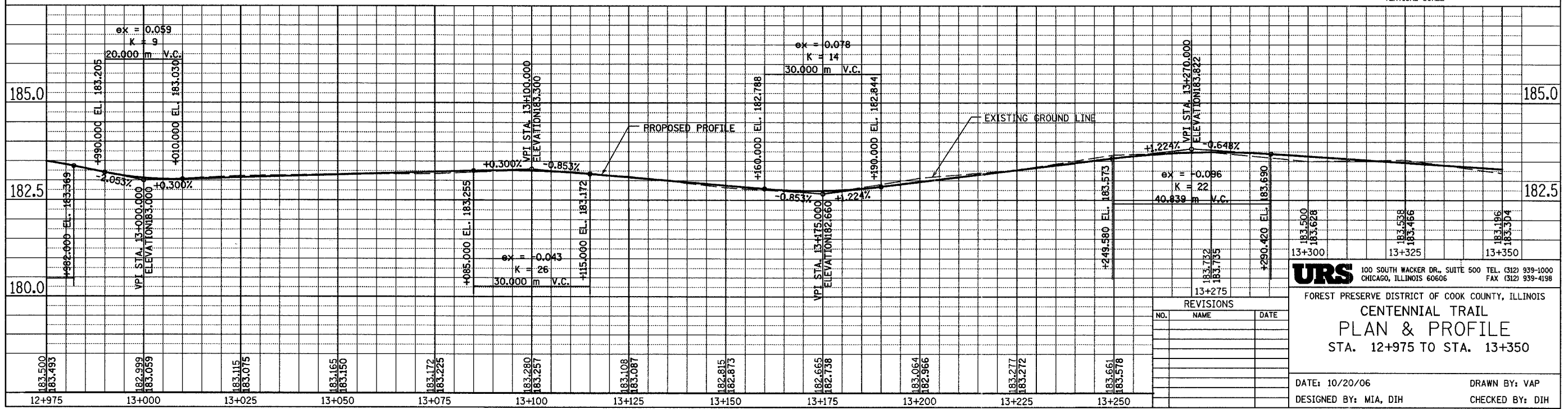
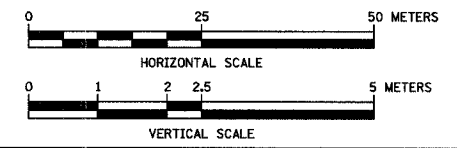
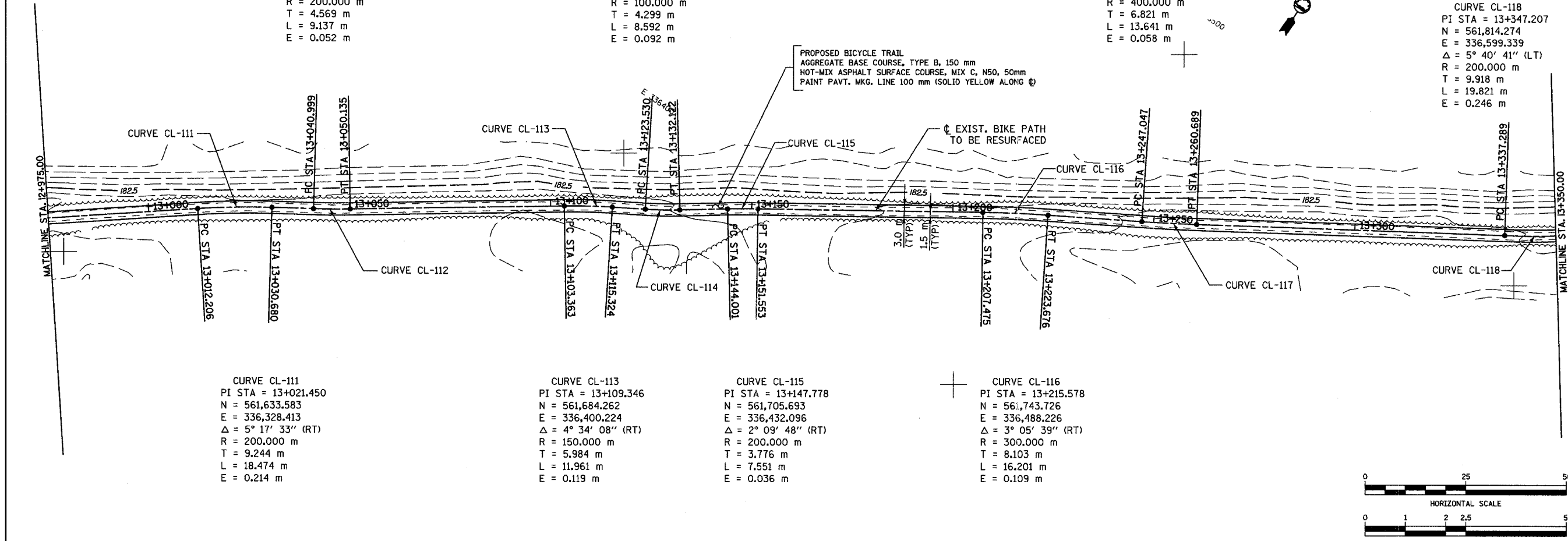
**CURVE CL-118**  
 PI STA = 13+347.207  
 N = 561,814.274  
 E = 336,599.339  
 $\Delta = 5^\circ 40' 41''$  (LT)  
 R = 200.000 m  
 T = 9.918 m  
 L = 19.821 m  
 E = 0.246 m

**CURVE CL-111**  
 PI STA = 13+021.450  
 N = 561,633.583  
 E = 336,328.413  
 $\Delta = 5^\circ 17' 33''$  (RT)  
 R = 200.000 m  
 T = 9.244 m  
 L = 18.474 m  
 E = 0.214 m

**CURVE CL-113**  
 PI STA = 13+109.346  
 N = 561,684.262  
 E = 336,400.224  
 $\Delta = 4^\circ 34' 08''$  (RT)  
 R = 150.000 m  
 T = 5.984 m  
 L = 11.961 m  
 E = 0.119 m

**CURVE CL-115**  
 PI STA = 13+147.778  
 N = 561,705.693  
 E = 336,432.096  
 $\Delta = 2^\circ 09' 48''$  (RT)  
 R = 200.000 m  
 T = 3.776 m  
 L = 7.551 m  
 E = 0.036 m

**CURVE CL-116**  
 PI STA = 13+215.578  
 N = 561,743.726  
 E = 336,488.226  
 $\Delta = 3^\circ 05' 39''$  (RT)  
 R = 300.000 m  
 T = 8.103 m  
 L = 16.201 m  
 E = 0.109 m



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 12+975 TO STA. 13+350

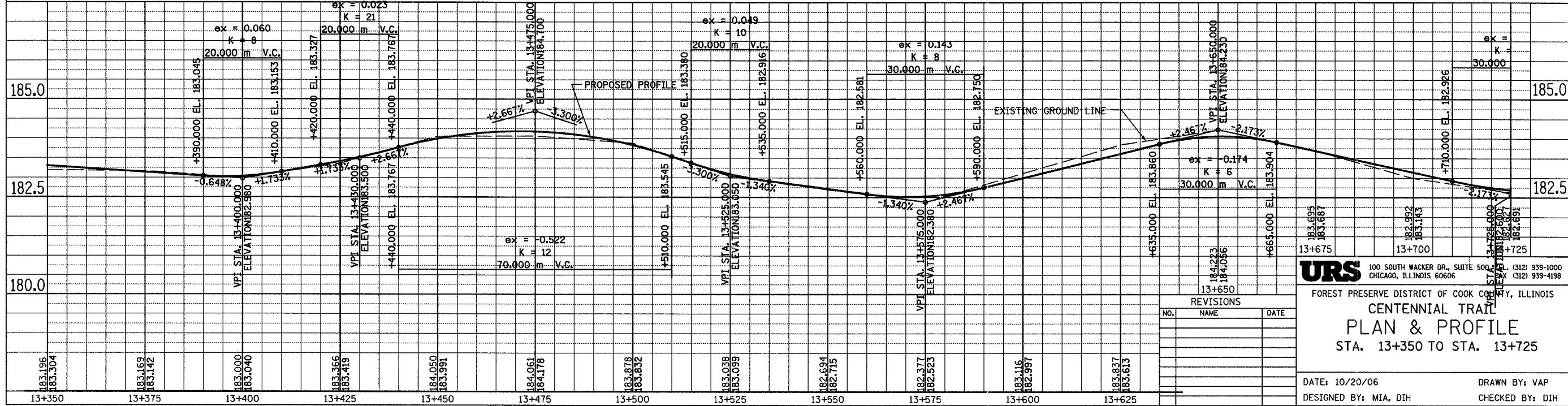
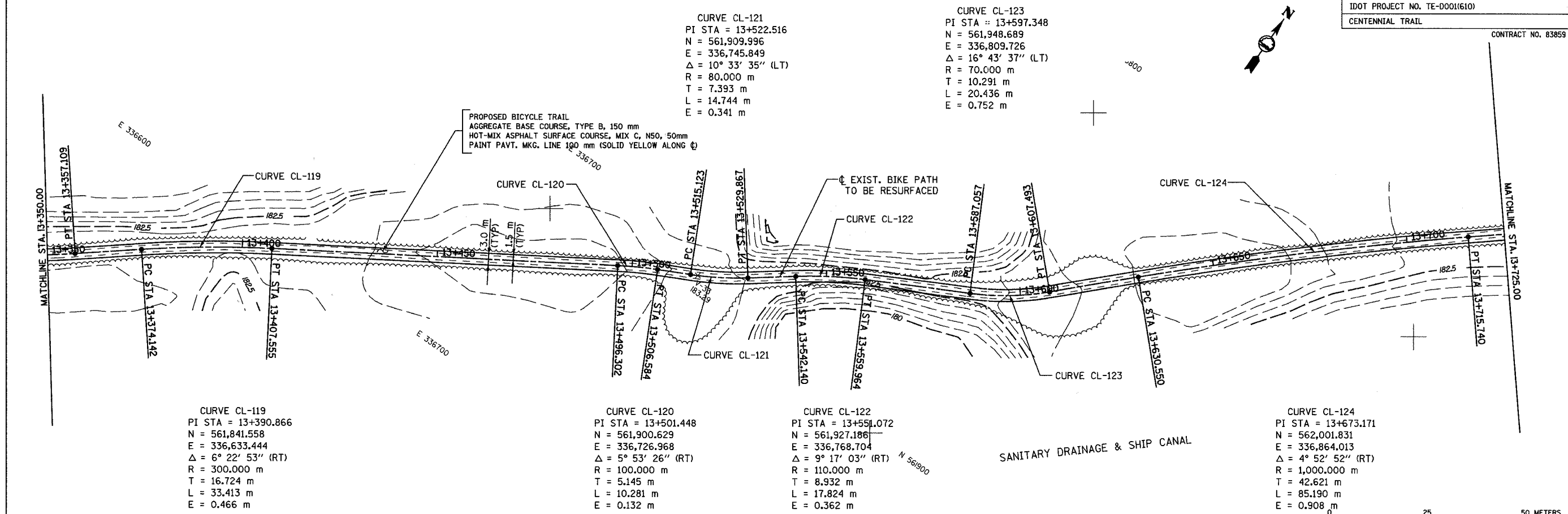
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	47
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500, CHICAGO, ILLINOIS 60606 (312) 939-1000 (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

**CENTENNIAL TRAIL**

**PLAN & PROFILE**

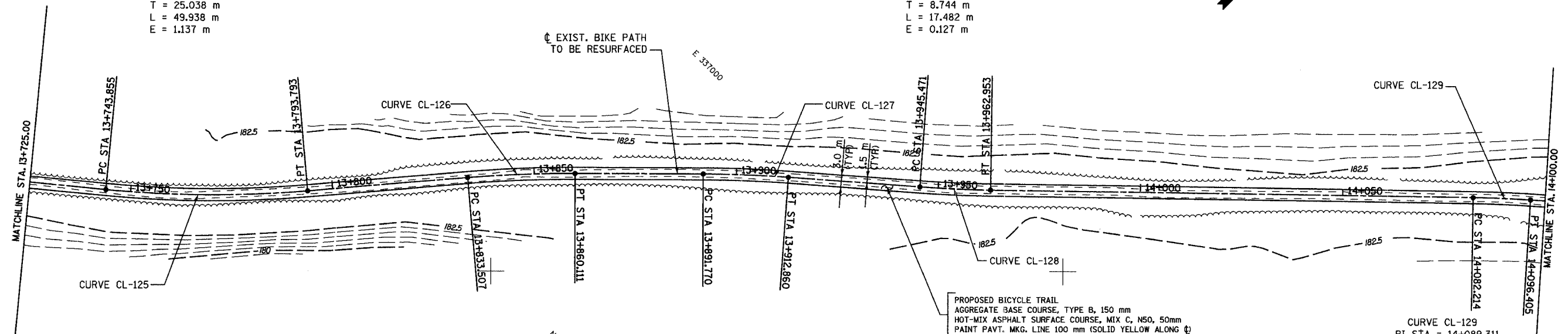
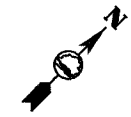
STA. 13+350 TO STA. 13+725

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	48
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 63859			

CURVE CL-125  
 PI STA = 13+768.893  
 N = 562,062.762  
 E = 336,937.906  
 $\Delta = 10^\circ 24' 16''$  (LT)  
 R = 275.000 m  
 T = 25.038 m  
 L = 49.938 m  
 E = 1.137 m

CURVE CL-128  
 PI STA = 13+954.214  
 N = 562,195.545  
 E = 337,066.836  
 $\Delta = 3^\circ 20' 20''$  (LT)  
 R = 300.000 m  
 T = 8.744 m  
 L = 17.482 m  
 E = 0.127 m

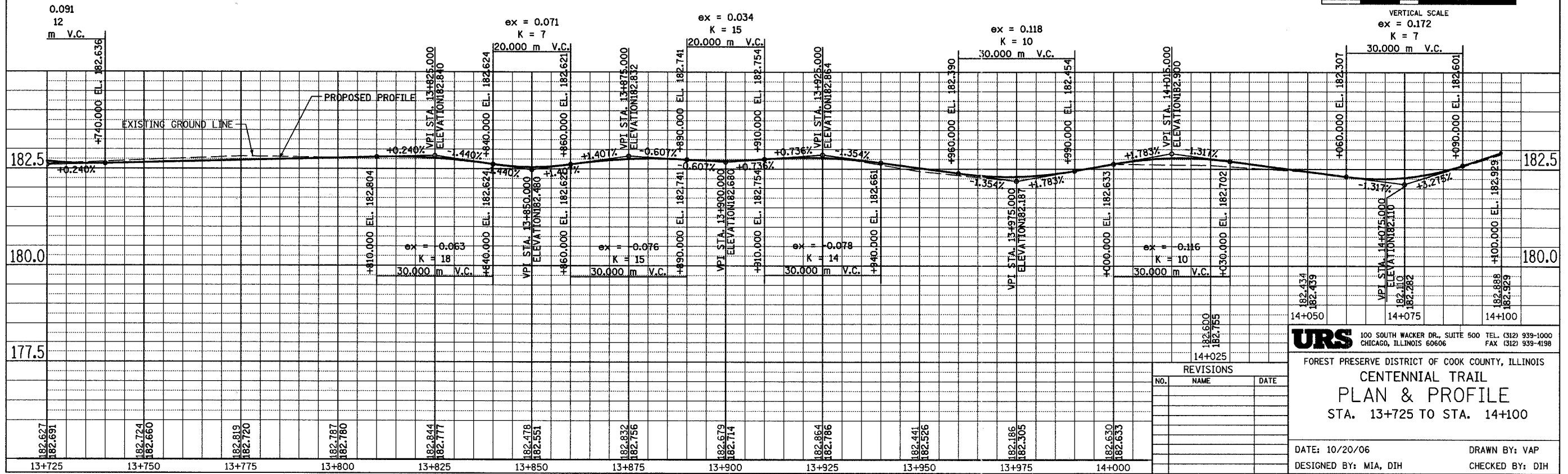
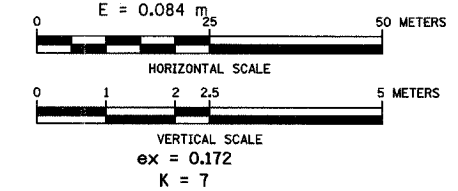


CURVE CL-126  
 PI STA = 13+846.818  
 N = 562,122.485  
 E = 336,988.174  
 $\Delta = 5^\circ 04' 52''$  (RT)  
 R = 300.000 m  
 T = 13.311 m  
 L = 26.604 m  
 E = 0.295 m

CURVE CL-127  
 PI STA = 13+902.319  
 N = 562,161.627  
 E = 337,027.547  
 $\Delta = 4^\circ 01' 40''$  (RT)  
 R = 300.000 m  
 T = 10.549 m  
 L = 21.089 m  
 E = 0.185 m

CURVE CL-129  
 PI STA = 14+089.311  
 N = 562,289.636  
 E = 337,163.784  
 $\Delta = 2^\circ 42' 37''$  (RT)  
 R = 300.000 m  
 T = 7.097 m  
 L = 14.191 m  
 E = 0.084 m

PROPOSED BICYCLE TRAIL  
 AGGREGATE BASE COURSE, TYPE B, 150 mm  
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm  
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG  $\phi$ )



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX: (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 13+725 TO STA. 14+100

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

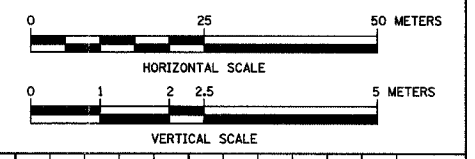
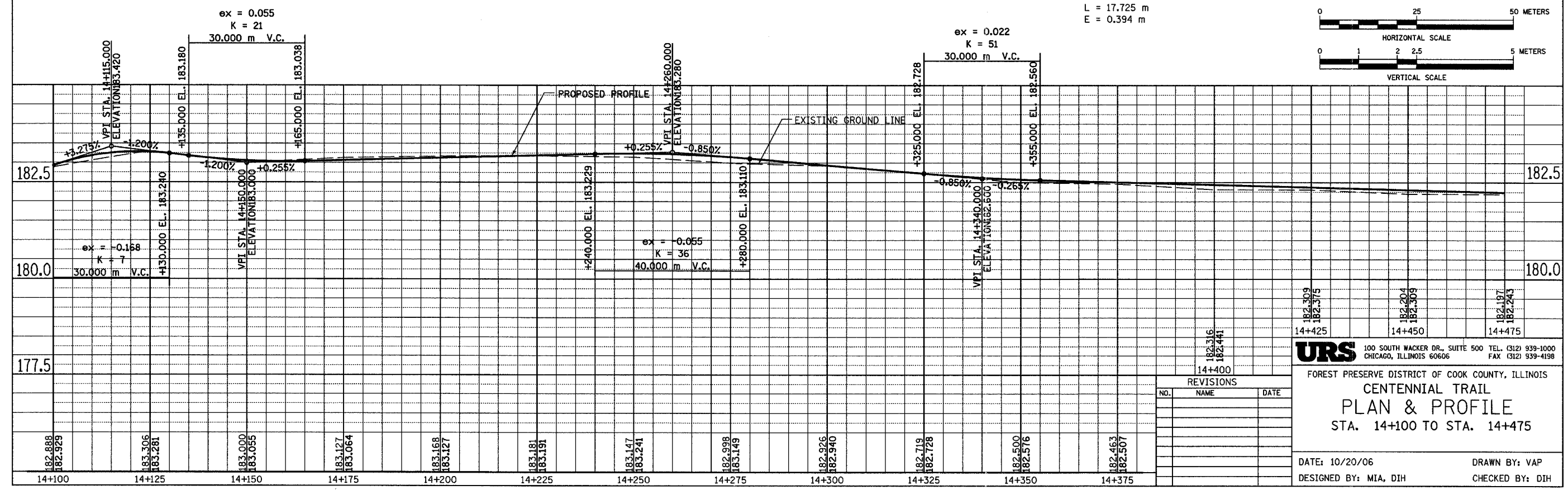
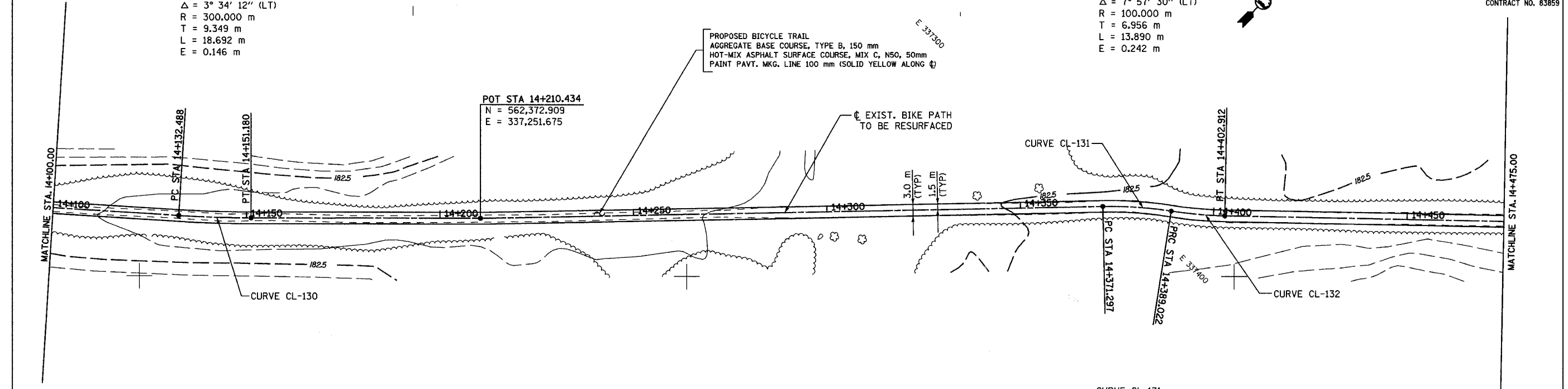
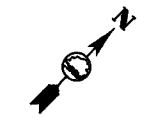
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	49
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

CURVE CL-130  
 PI STA = 14+141.837  
 N = 562,324.397  
 E = 337,203.167  
 $\Delta = 3^\circ 34' 12''$  (LT)  
 R = 300.000 m  
 T = 9.349 m  
 L = 18.692 m  
 E = 0.146 m

CURVE CL-132  
 PI STA = 14+395.978  
 N = 562,504.591  
 E = 337,382.134  
 $\Delta = 7^\circ 57' 30''$  (LT)  
 R = 100.000 m  
 T = 6.956 m  
 L = 13.890 m  
 E = 0.242 m

POT STA 14+210.434  
 N = 562,372.909  
 E = 337,251.675

CURVE CL-131  
 PI STA = 14+380.183  
 N = 562,495.284  
 E = 337,369.313  
 $\Delta = 10^\circ 09' 20''$  (RT)  
 R = 100.000 m  
 T = 8.886 m  
 L = 17.725 m  
 E = 0.394 m



NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 14+100 TO STA. 14+475

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	50
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

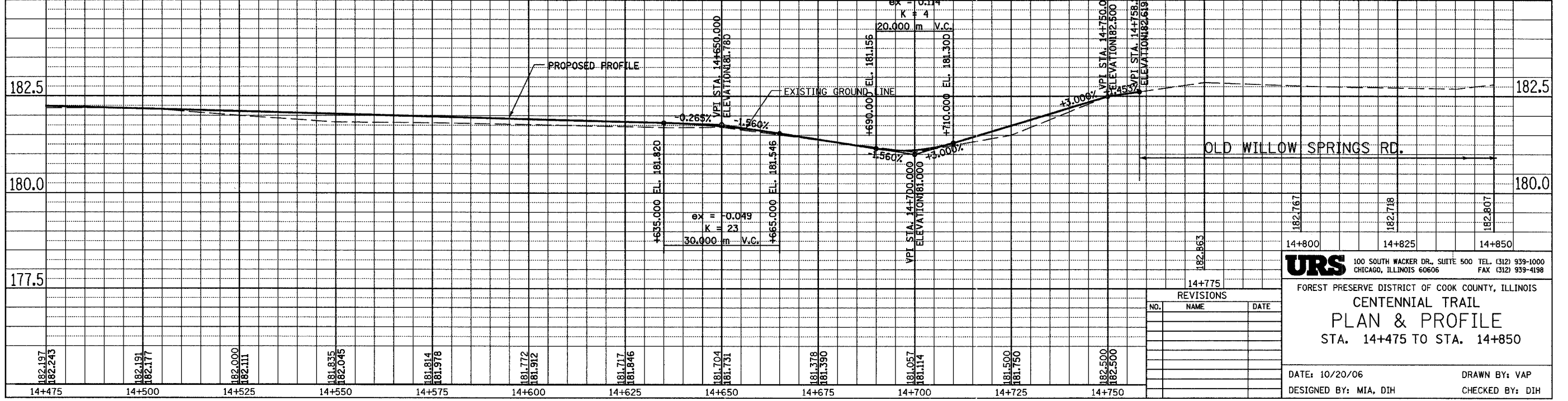
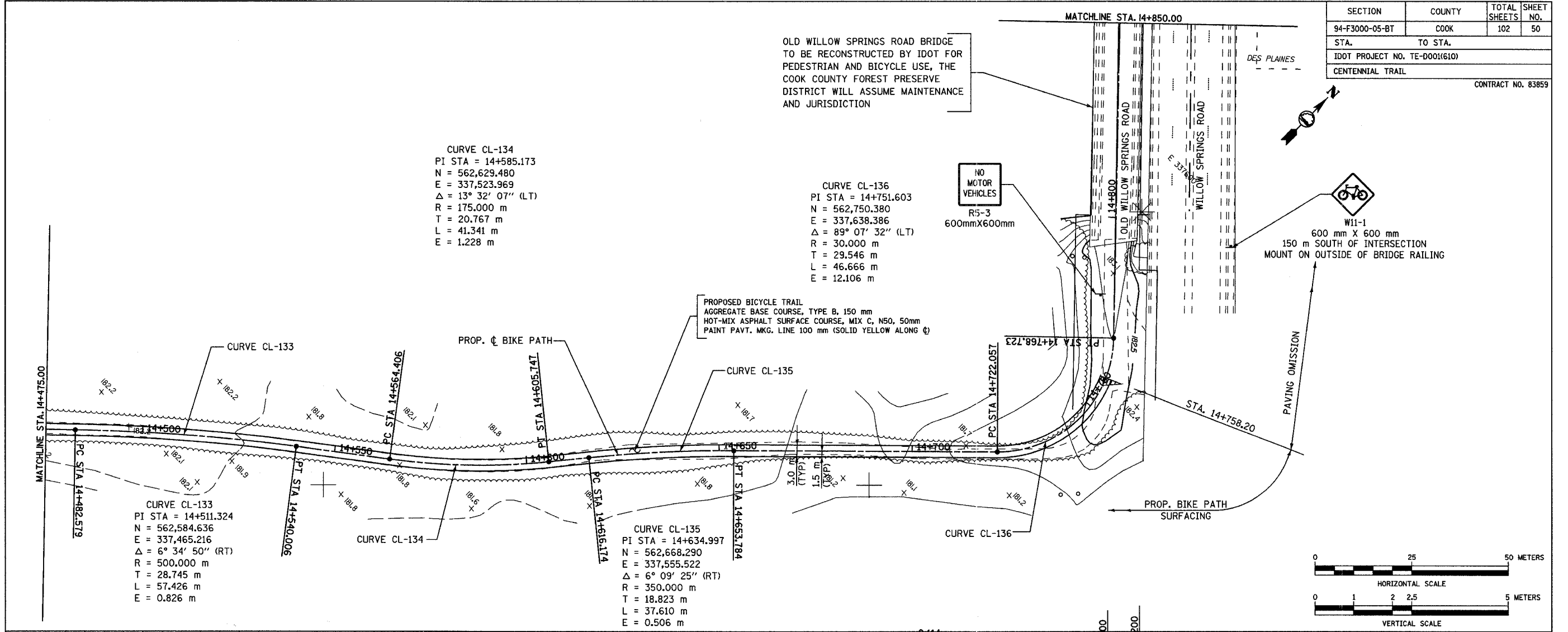
OLD WILLOW SPRINGS ROAD BRIDGE TO BE RECONSTRUCTED BY IDOT FOR PEDESTRIAN AND BICYCLE USE, THE COOK COUNTY FOREST PRESERVE DISTRICT WILL ASSUME MAINTENANCE AND JURISDICTION

CURVE CL-134  
 PI STA = 14+585.173  
 N = 562,629.480  
 E = 337,523.969  
 $\Delta = 13^\circ 32' 07''$  (LT)  
 R = 175,000 m  
 T = 20.767 m  
 L = 41.341 m  
 E = 1.228 m

CURVE CL-136  
 PI STA = 14+751.603  
 N = 562,750.380  
 E = 337,638.386  
 $\Delta = 89^\circ 07' 32''$  (LT)  
 R = 30,000 m  
 T = 29.546 m  
 L = 46.666 m  
 E = 12.106 m

CURVE CL-133  
 PI STA = 14+511.324  
 N = 562,584.636  
 E = 337,465.216  
 $\Delta = 6^\circ 34' 50''$  (RT)  
 R = 500,000 m  
 T = 28.745 m  
 L = 57.426 m  
 E = 0.826 m

CURVE CL-135  
 PI STA = 14+634.997  
 N = 562,668.290  
 E = 337,555.522  
 $\Delta = 6^\circ 09' 25''$  (RT)  
 R = 350,000 m  
 T = 18.823 m  
 L = 37.610 m  
 E = 0.506 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 14+475 TO STA. 14+850

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

REVISIONS	
NO.	DATE





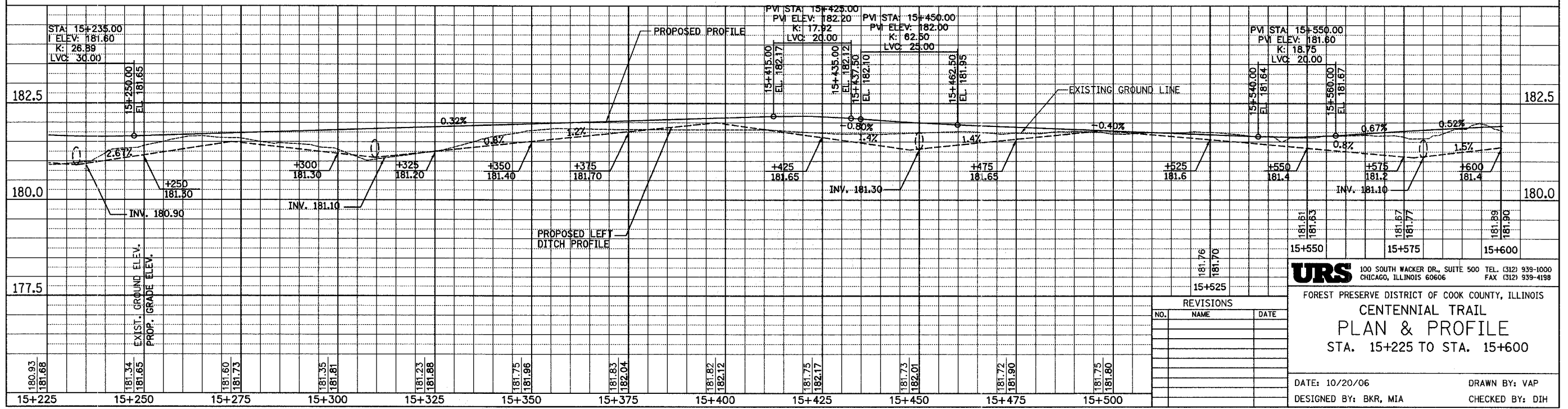
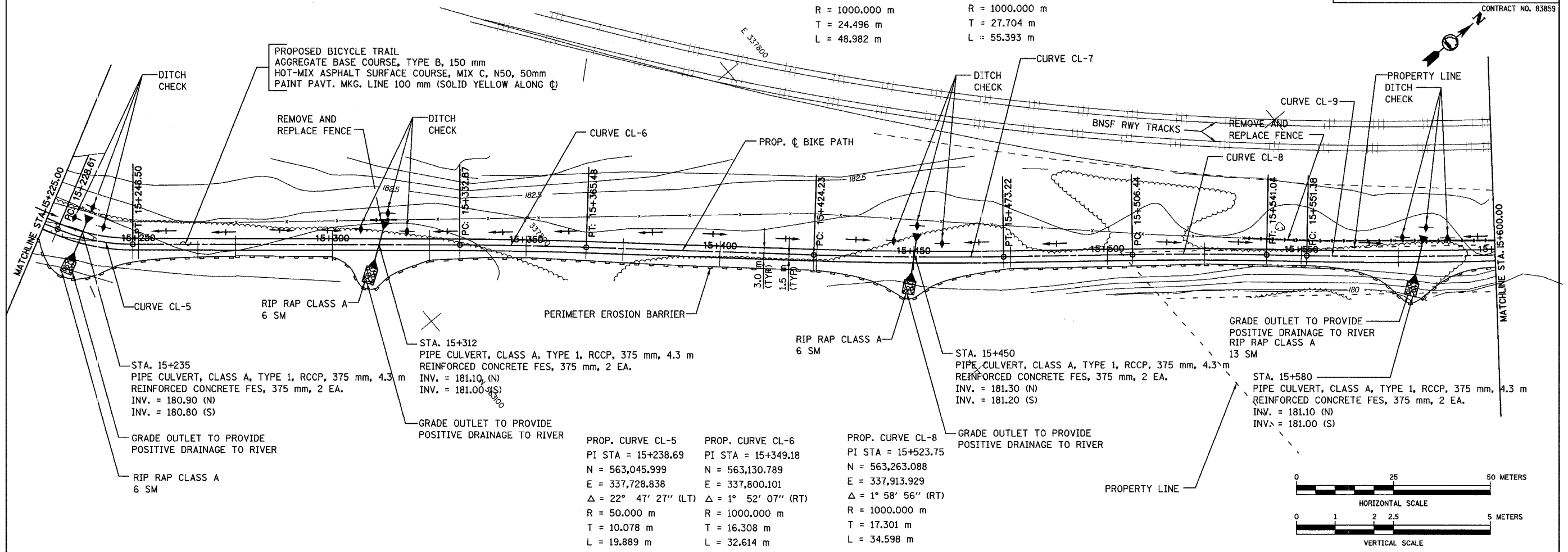
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	52
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

PROP. CURVE CL-7  
 PI STA = 15+448.73  
 N = 563,204.872  
 E = 337,866.605  
 $\Delta = 2^\circ 48' 23''$  (LT)  
 R = 1000.000 m  
 T = 24.496 m  
 L = 48.982 m

PROP. CURVE CL-9  
 PI STA = 15+579.09  
 N = 563,304.799  
 E = 337,950.303  
 $\Delta = 3^\circ 10' 26''$  (LT)  
 R = 1000.000 m  
 T = 27.704 m  
 L = 55.393 m

LIMITS OF REMOVE/REPLACE FENCE:  
 STA. 15+309 TO STA. 15+315 = 6 m  
 STA. 15+535 TO STA. 15+600 = 65 m



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

**CENTENNIAL TRAIL**

**PLAN & PROFILE**

STA. 15+225 TO STA. 15+600

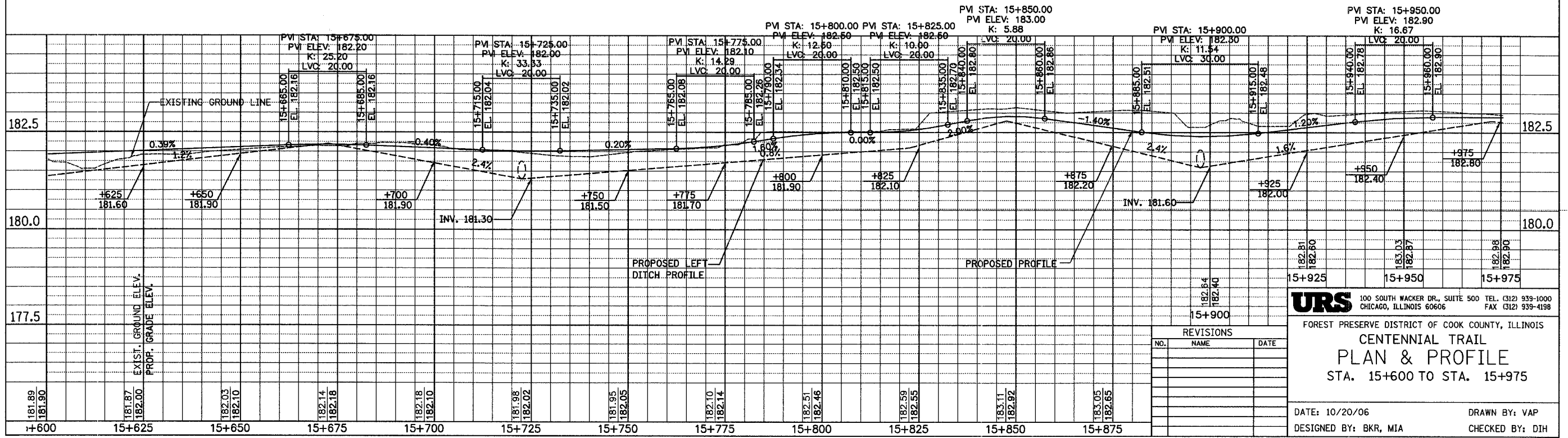
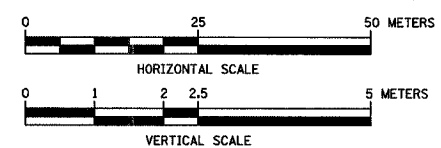
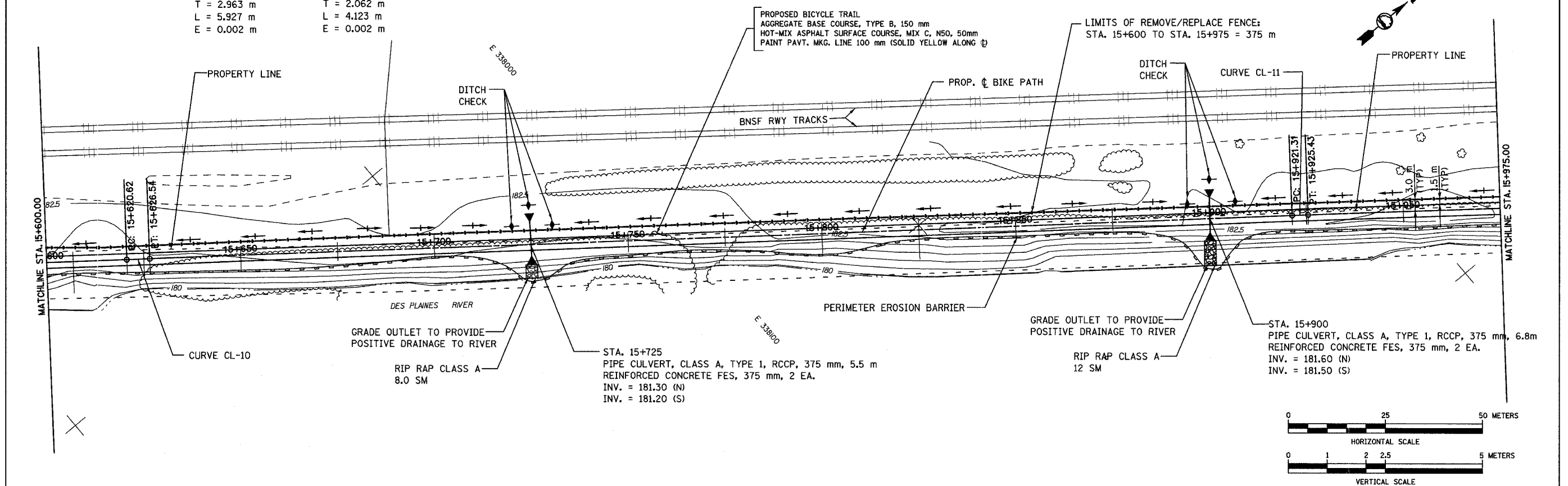


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	53
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

PROP. CURVE CL-10  
 PI STA = 15+623.58  
 N = 563339.9137  
 E = 337977.6550  
 $\Delta = 0^\circ 10' 11''$  (LT)  
 R = 2000.000 m  
 T = 2.963 m  
 L = 5.927 m  
 E = 0.002 m

PROP. CURVE CL-11  
 PI STA = 15+923.37  
 N = 563576.9625  
 E = 338161.1744  
 $\Delta = 0^\circ 14' 11''$  (LT)  
 R = 1000.000 m  
 T = 2.062 m  
 L = 4.123 m  
 E = 0.002 m



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 15+600 TO STA. 15+975

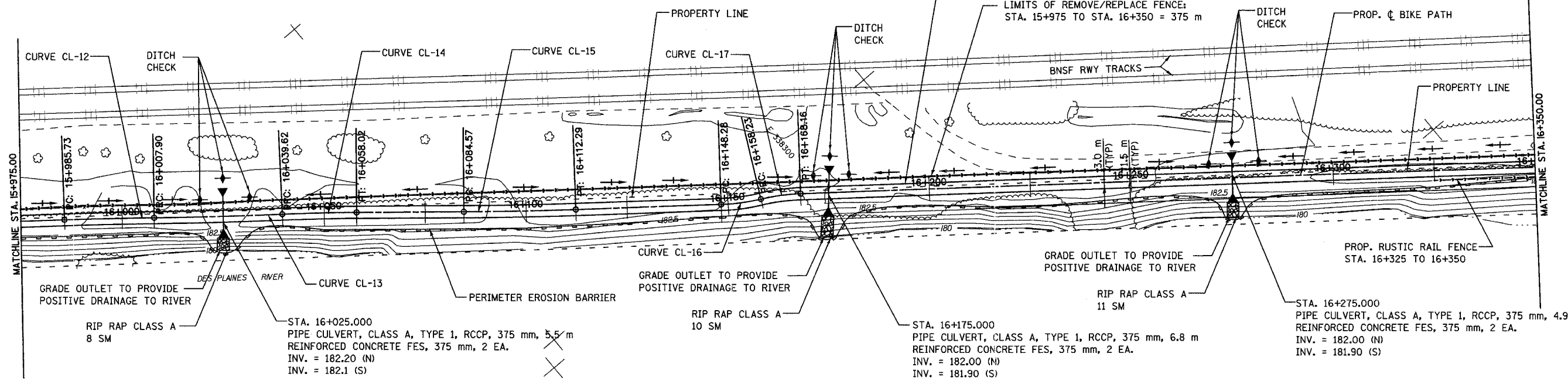
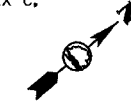
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR, MIA CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

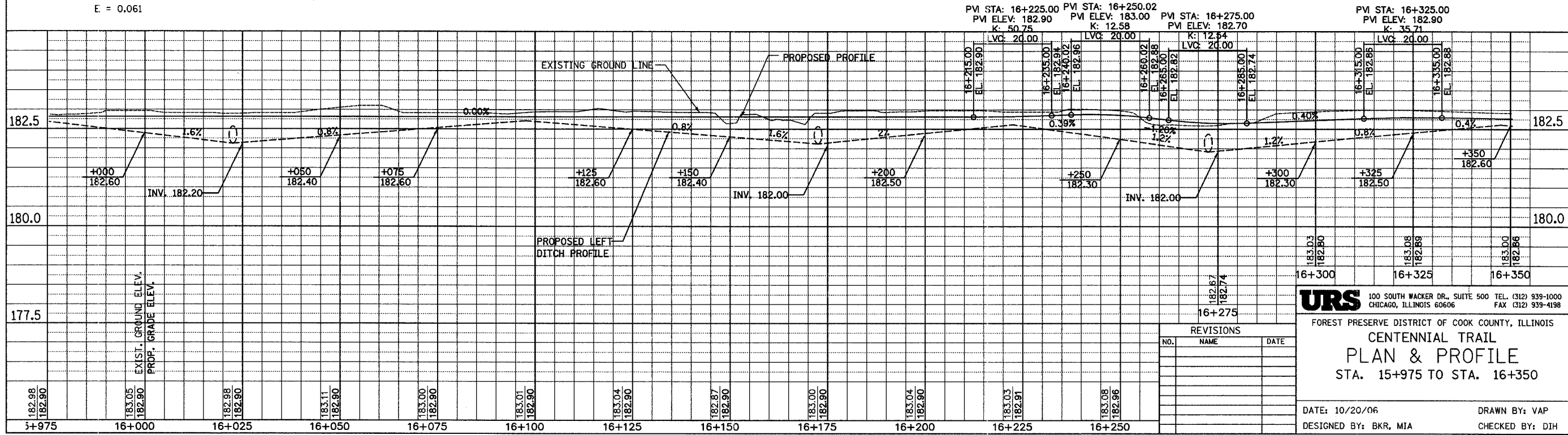
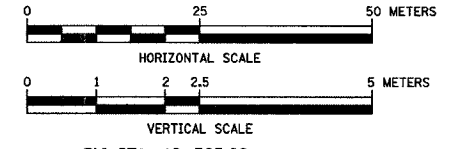
PROP. CURVE CL-13 PI STA = 16+023.77 N = 563,655.723 E = 338,223.428 $\Delta = 1^\circ 49' 03''$ (LT) R = 1000.000 m T = 15.863 m L = 31.723 m	PROP. CURVE CL-14 PI STA = 16+048.83 N = 563,675.623 E = 338,238.663 $\Delta = 2^\circ 06' 29''$ (LT) R = 500.000 m T = 9.199 m L = 18.396 m	PROP. CURVE CL-15 PI STA = 16+098.43 N = 563,713.878 E = 338,270.246 $\Delta = 1^\circ 35' 17''$ (LT) R = 1000.000 m T = 13.860 m L = 27.718 m	PROP. CURVE CL-16 PI STA = 16+153.28 N = 563,757.122 E = 338,303.978 $\Delta = 11^\circ 24' 33''$ (LT) R = 50.000 m T = 4.995 m L = 9.956 m	PROP. CURVE CL-17 PI STA = 16+163.22 N = 563,766.047 E = 338,308.437 $\Delta = 11^\circ 22' 44''$ (RT) R = 50.000 m T = 4.981 m L = 9.930 m
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	54
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



PROP. CURVE CL-12 PI STA = 15+996.82 N = 563634.8552 E = 338206.3771 $\Delta = 1^\circ 16' 13''$ (LT) R = 1000.000 T = 11.085 L = 22.170 E = 0.061
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX: (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 15+975 TO STA. 16+350

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: BKR, MIA CHECKED BY: DJH

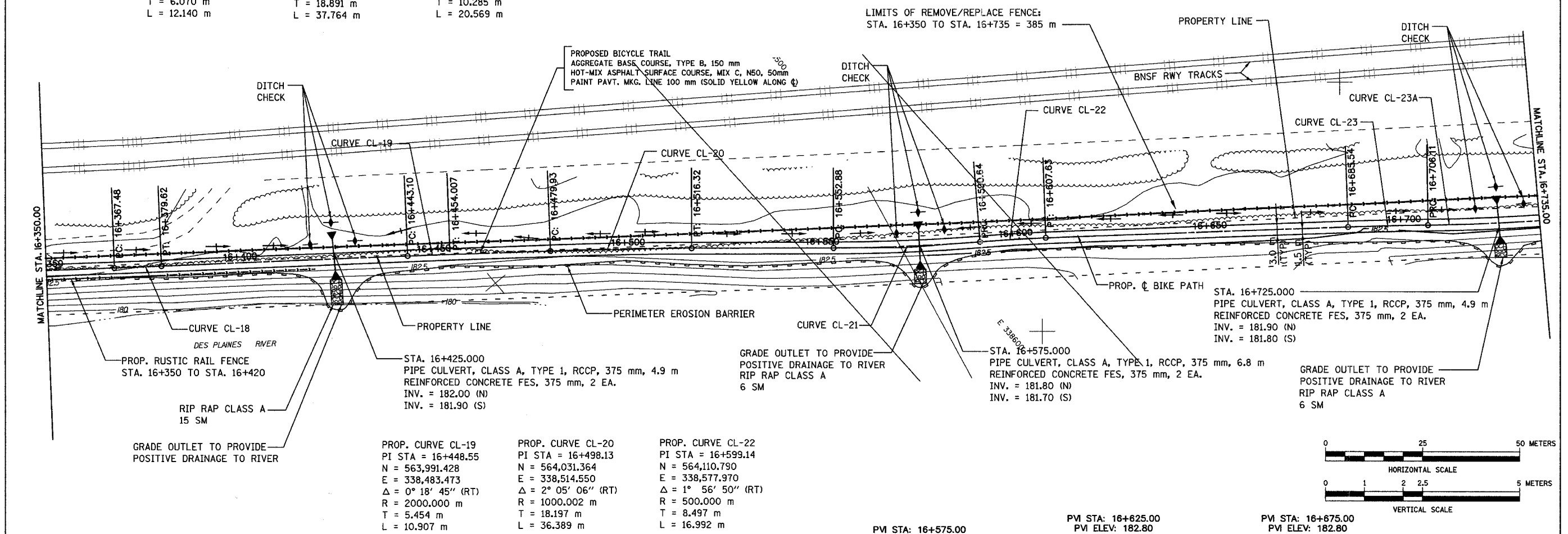
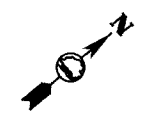
REVISIONS		
NO.	NAME	DATE

PROP. CURVE CL-18  
 PI STA = 16+373.56  
 N = 563,931.992  
 E = 338,437.738  
 $\Delta = 0^\circ 20' 52''$  (LT)  
 R = 2000.000 m  
 T = 6.070 m  
 L = 12.140 m

PROP. CURVE CL-21  
 PI STA = 16+571.77  
 N = 564,086.902  
 E = 338,560.940  
 $\Delta = 4^\circ 19' 39''$  (LT)  
 R = 500.000 m  
 T = 18.891 m  
 L = 37.764 m

PROP. CURVE CL-23  
 PI STA = 16+695.83  
 N = 564,184.989  
 E = 338,635.764  
 $\Delta = 1^\circ 10' 43''$  (RT)  
 R = 1000.000 m  
 T = 10.285 m  
 L = 20.569 m

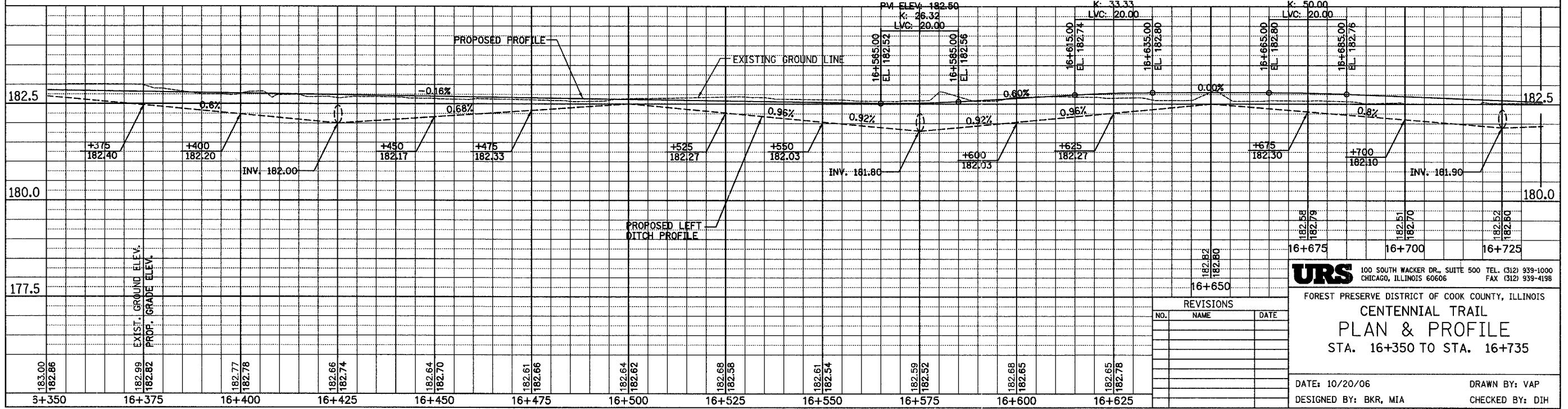
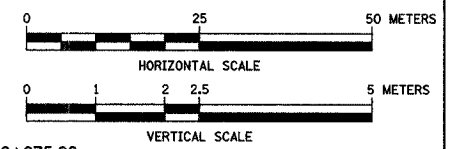
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	55
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



PROP. CURVE CL-19  
 PI STA = 16+448.55  
 N = 563,991.428  
 E = 338,483.473  
 $\Delta = 0^\circ 18' 45''$  (RT)  
 R = 2000.000 m  
 T = 5.454 m  
 L = 10.907 m

PROP. CURVE CL-20  
 PI STA = 16+498.13  
 N = 564,031.364  
 E = 338,514.550  
 $\Delta = 2^\circ 05' 06''$  (RT)  
 R = 1000.002 m  
 T = 18.197 m  
 L = 36.389 m

PROP. CURVE CL-22  
 PI STA = 16+599.14  
 N = 564,110.790  
 E = 338,577.970  
 $\Delta = 1^\circ 56' 50''$  (RT)  
 R = 500.000 m  
 T = 8.497 m  
 L = 16.992 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 16+350 TO STA. 16+735

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: BKR, MIA CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

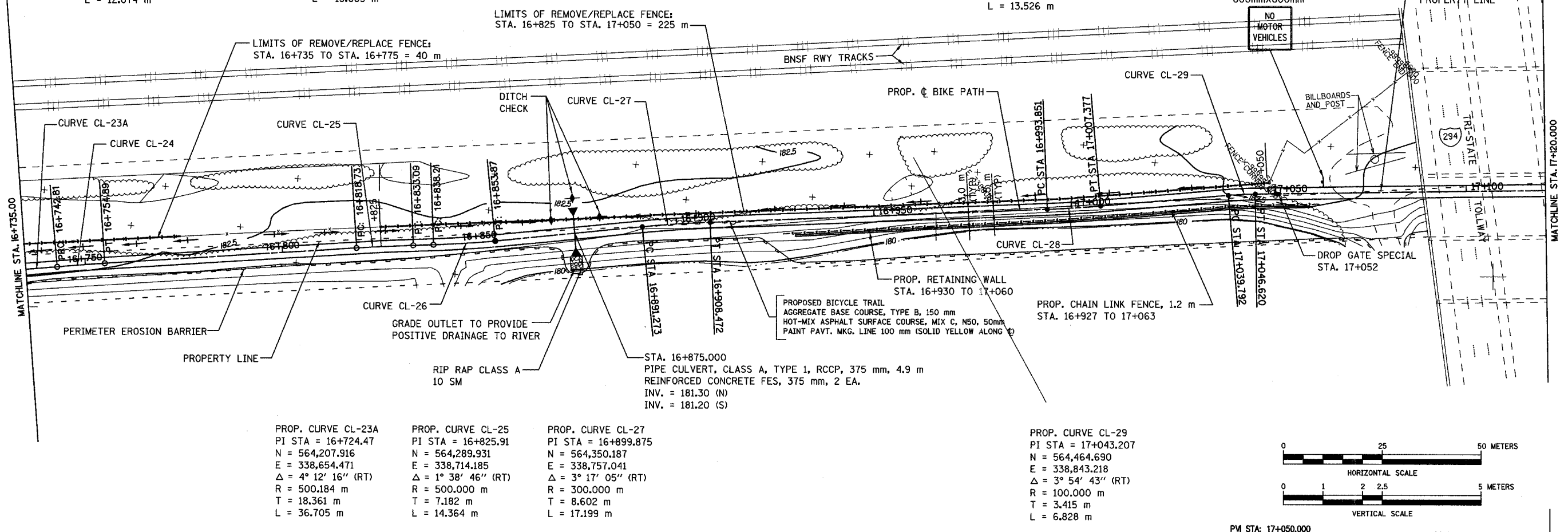
PROP. CURVE CL-24  
 PI STA = 16+748.86  
 N = 564,227.900  
 E = 338,668.467  
 $\Delta = 1^\circ 23' 18''$  (RT)  
 R = 498.308 m  
 T = 6.037 m  
 L = 12.074 m

PROP. CURVE CL-26  
 PI STA = 16+846.05  
 N = 564,305.791  
 E = 338,726.592  
 $\Delta = 3^\circ 35' 25''$  (LT)  
 R = 250.000 m  
 T = 7.835 m  
 L = 15.665 m

PROP. CURVE CL-28  
 PI STA = 17+000.615  
 N = 564,429.866  
 E = 338,818.692  
 $\Delta = 2^\circ 35' 00''$  (LT)  
 R = 300.000 m  
 T = 6.764 m  
 L = 13.526 m

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	56
STA. TO STA.			
IDOT PROJECT NO. TE-D0016101			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

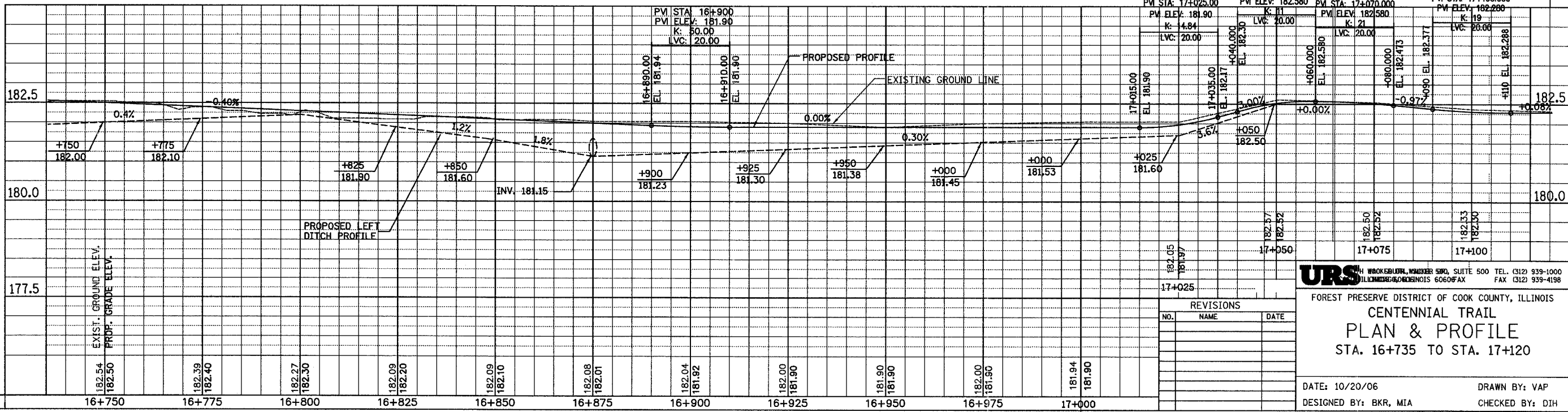
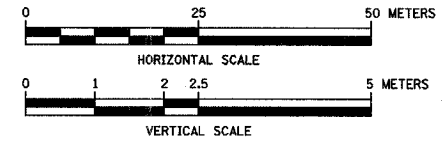


PROP. CURVE CL-23A  
 PI STA = 16+724.47  
 N = 564,207.916  
 E = 338,654.471  
 $\Delta = 4^\circ 12' 16''$  (RT)  
 R = 500.184 m  
 T = 18.361 m  
 L = 36.705 m

PROP. CURVE CL-25  
 PI STA = 16+825.91  
 N = 564,289.931  
 E = 338,714.185  
 $\Delta = 1^\circ 38' 46''$  (RT)  
 R = 500.000 m  
 T = 7.182 m  
 L = 14.364 m

PROP. CURVE CL-27  
 PI STA = 16+899.875  
 N = 564,350.187  
 E = 338,757.041  
 $\Delta = 3^\circ 17' 05''$  (RT)  
 R = 300.000 m  
 T = 8.602 m  
 L = 17.199 m

PROP. CURVE CL-29  
 PI STA = 17+043.207  
 N = 564,464.690  
 E = 338,843.218  
 $\Delta = 3^\circ 54' 43''$  (RT)  
 R = 100.000 m  
 T = 3.415 m  
 L = 6.828 m



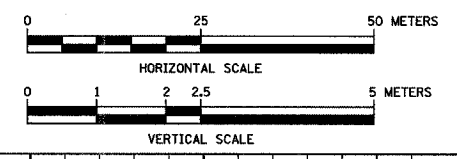
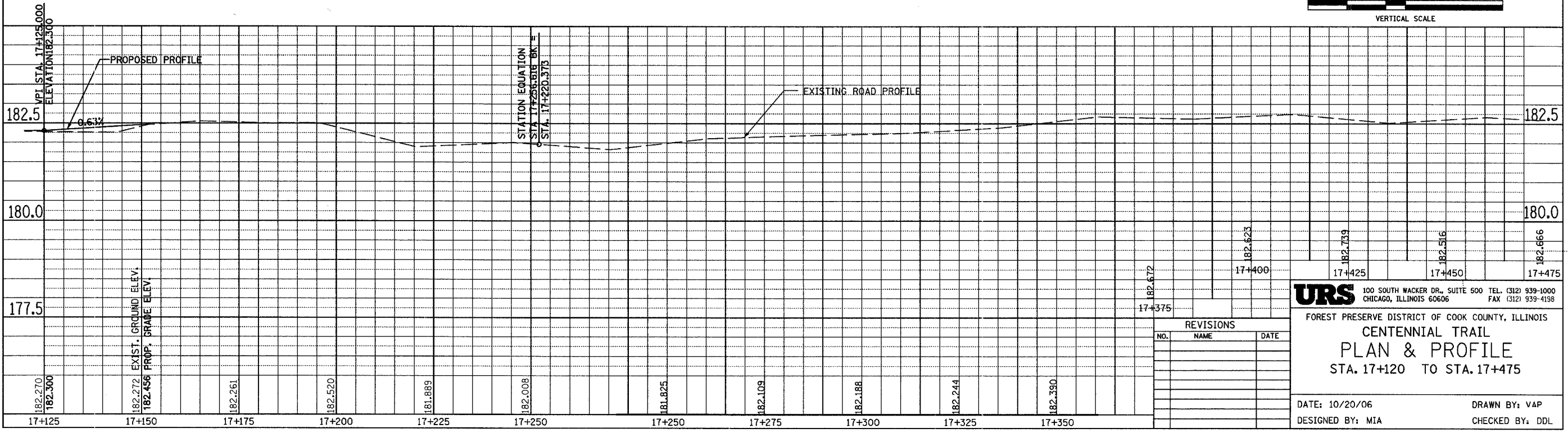
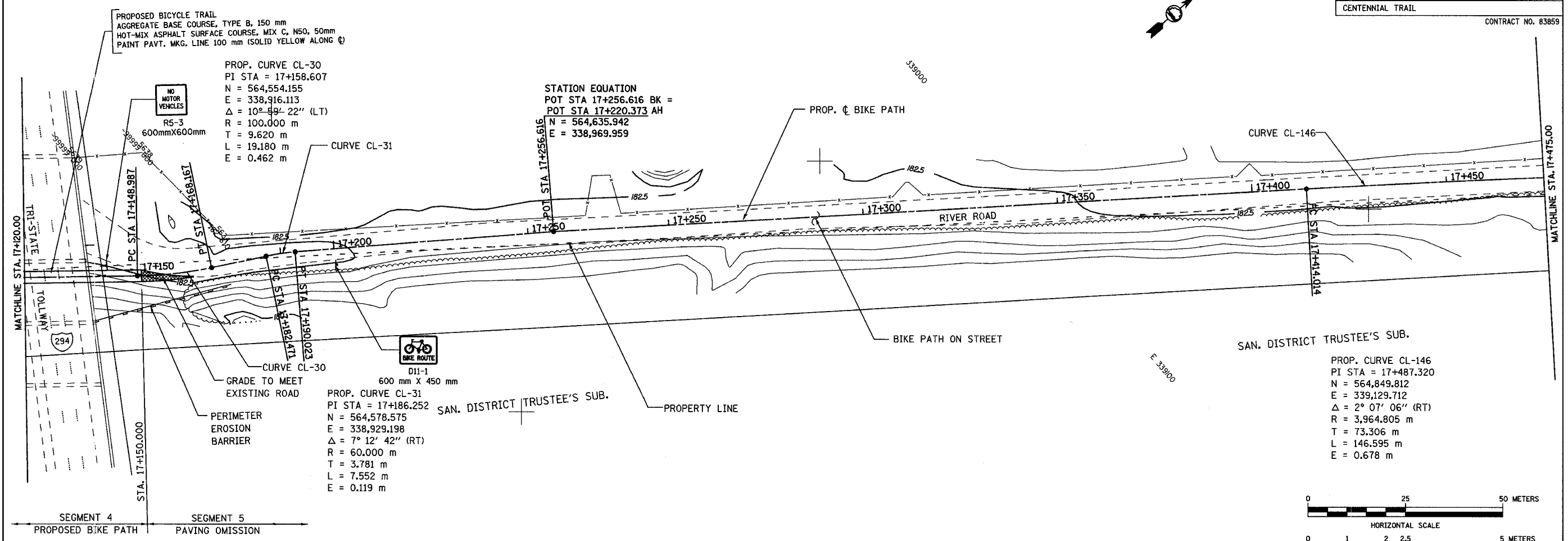
REVISIONS		
NO.	NAME	DATE

**URS** CONSULTING ENGINEERS, 111 W. Wacker Drive, Suite 500, Chicago, IL 60601  
 FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 16+735 TO STA. 17+120

DATE: 10/20/06      DRAWN BY: VAP  
 DESIGNED BY: BKR, MIA      CHECKED BY: DJH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	57
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



REVISIONS		
NO.	NAME	DATE

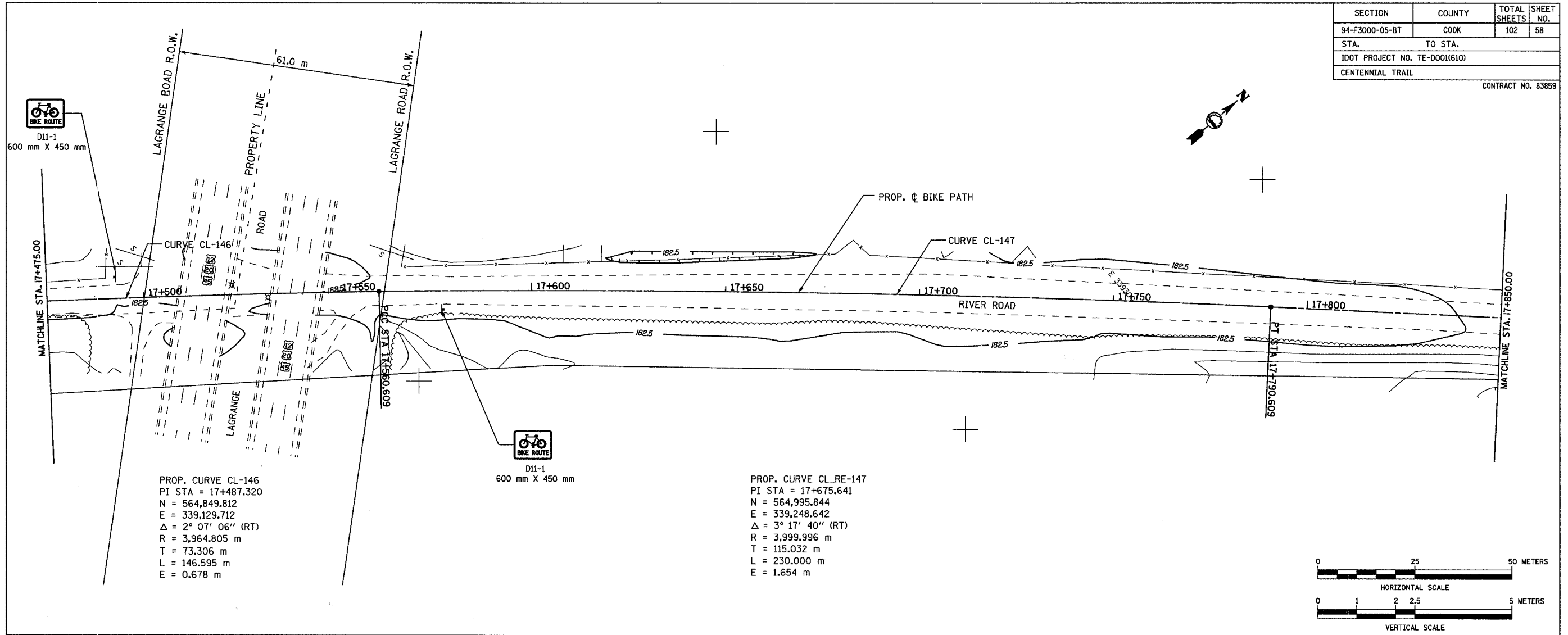
**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 17+120 TO STA. 17+475

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA CHECKED BY: DDL

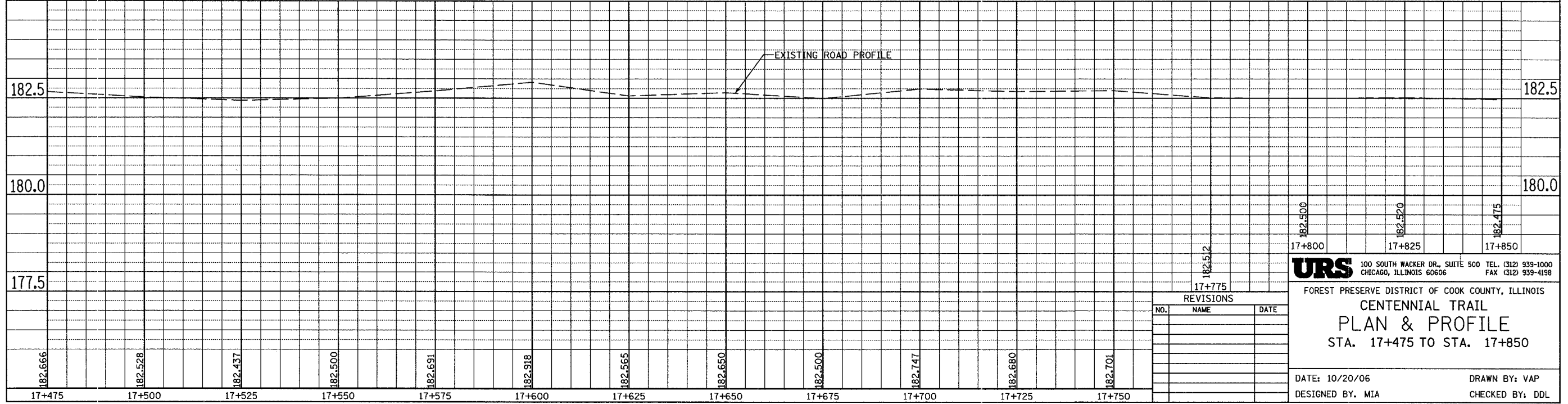
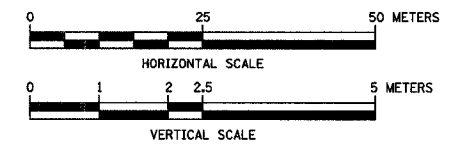


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	58
STA. TO STA.		IDOT PROJECT NO. TE-D001(610)	
CENTENNIAL TRAIL		CONTRACT NO. 83859	



PROP. CURVE CL-146  
 PI STA = 17+487.320  
 N = 564,849.812  
 E = 339,129.712  
 $\Delta = 2^\circ 07' 06''$  (RT)  
 R = 3,964.805 m  
 T = 73.306 m  
 L = 146.595 m  
 E = 0.678 m

PROP. CURVE CL-RE-147  
 PI STA = 17+675.641  
 N = 564,995.844  
 E = 339,248.642  
 $\Delta = 3^\circ 17' 40''$  (RT)  
 R = 3,999.996 m  
 T = 115.032 m  
 L = 230.000 m  
 E = 1.654 m



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 17+475 TO STA. 17+850

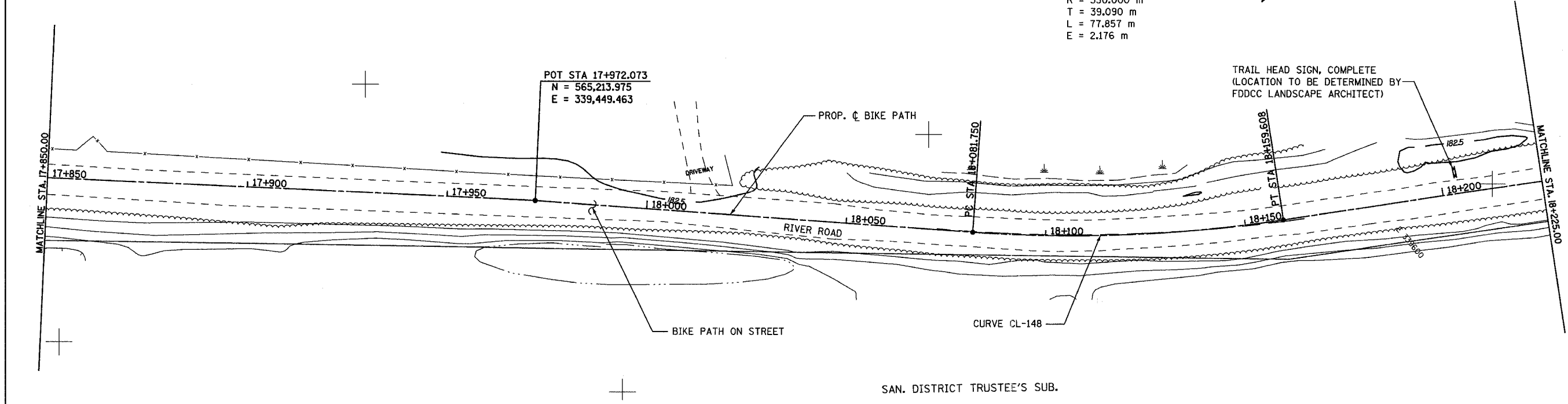
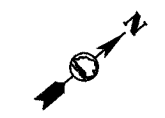
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA CHECKED BY: DDL



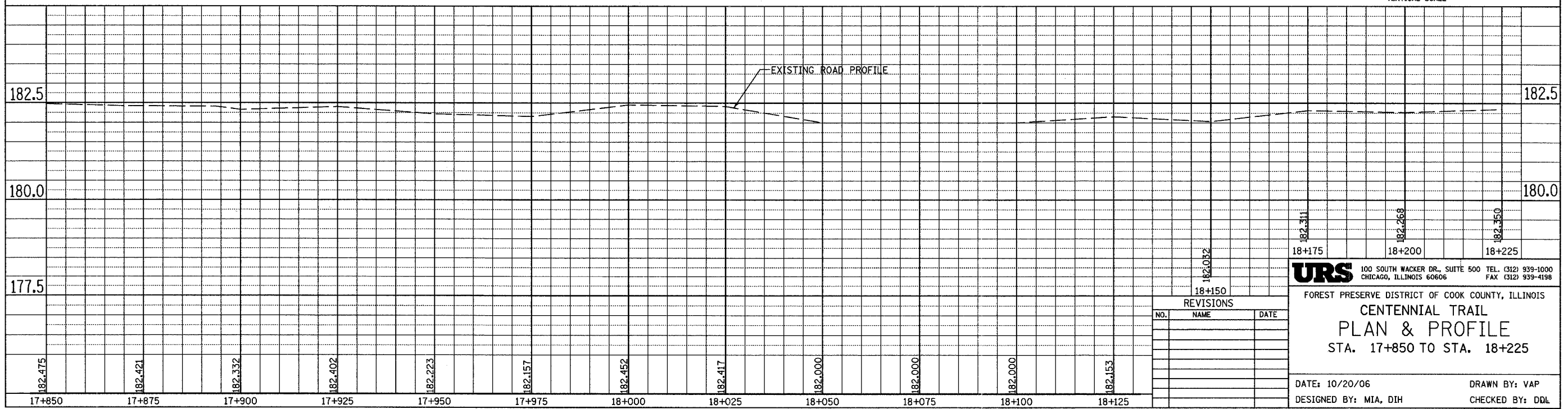
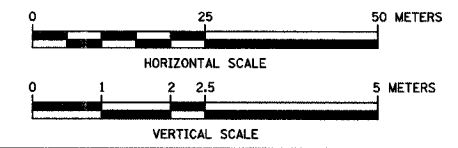
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	59
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

PROP. CURVE CL-148  
 PI STA = 18+120.840  
 N = 565,320.778  
 E = 339,553.022  
 $\Delta = 12^\circ 44' 44''$  (LT)  
 R = 350.000 m  
 T = 39.090 m  
 L = 77.857 m  
 E = 2.176 m



TRAIL HEAD SIGN, COMPLETE  
 (LOCATION TO BE DETERMINED BY  
 FDDCC LANDSCAPE ARCHITECT)



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

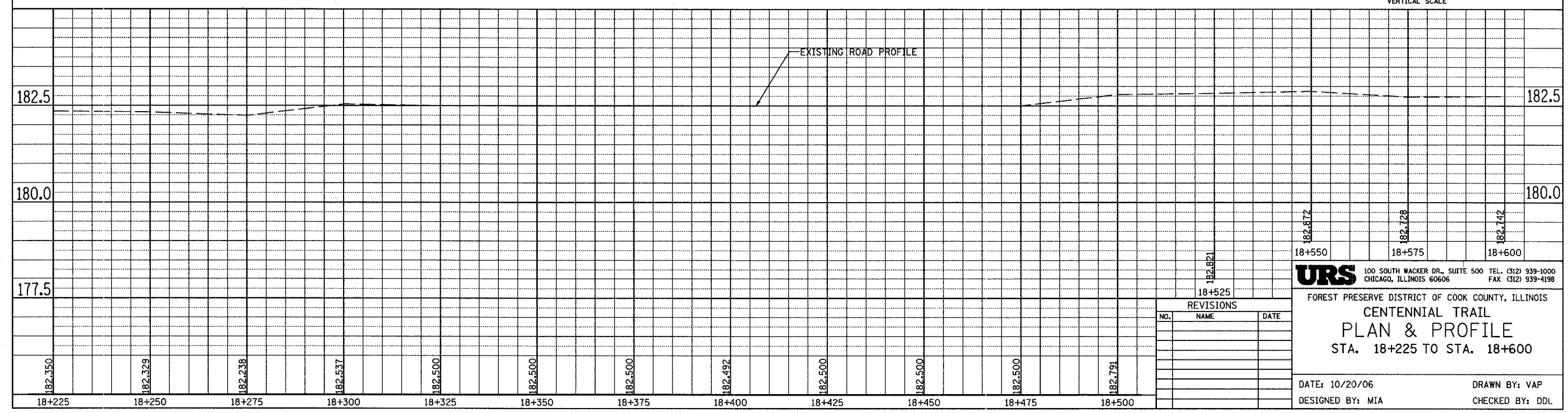
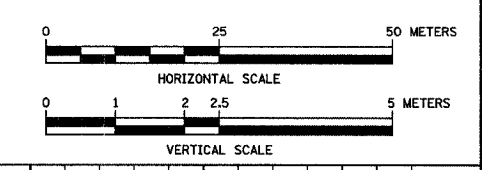
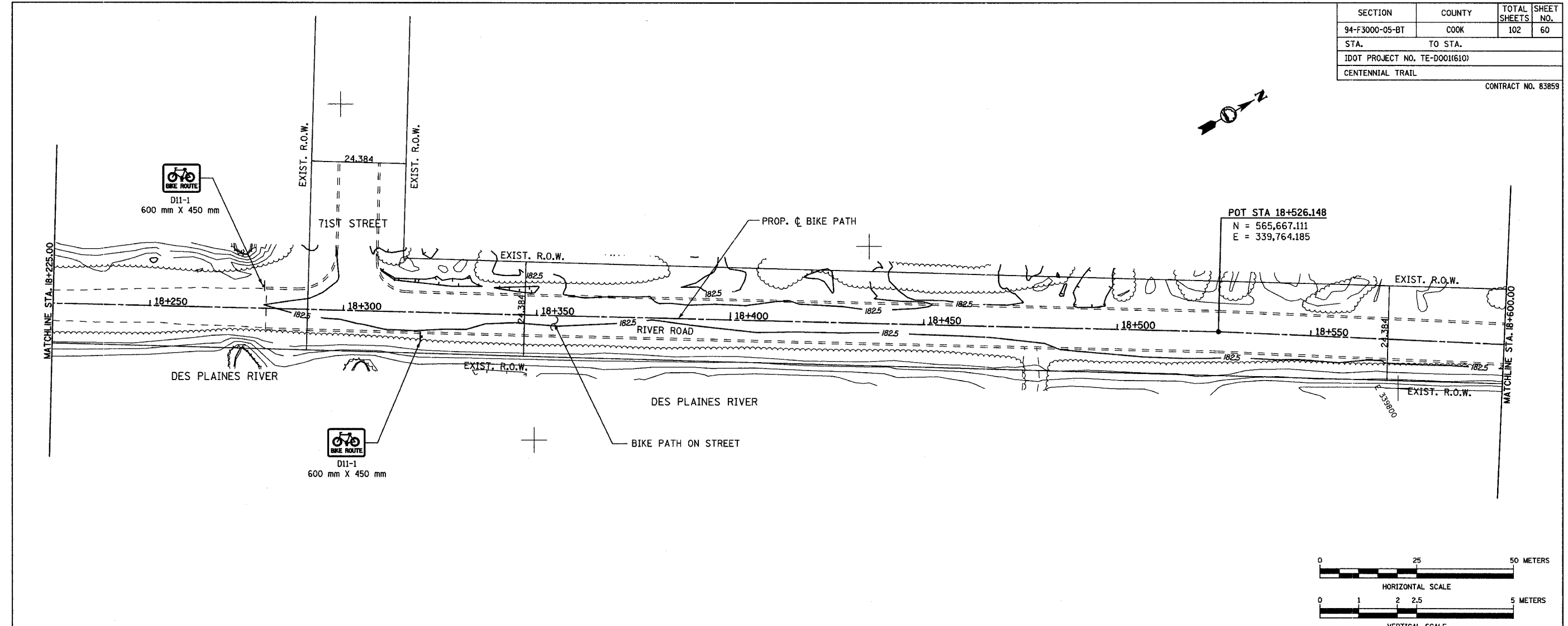
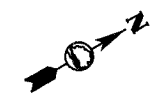
**CENTENNIAL TRAIL  
 PLAN & PROFILE**

STA. 17+850 TO STA. 18+225

DATE: 10/20/06      DRAWN BY: VAP  
 DESIGNED BY: MIA, DIH      CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	60
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
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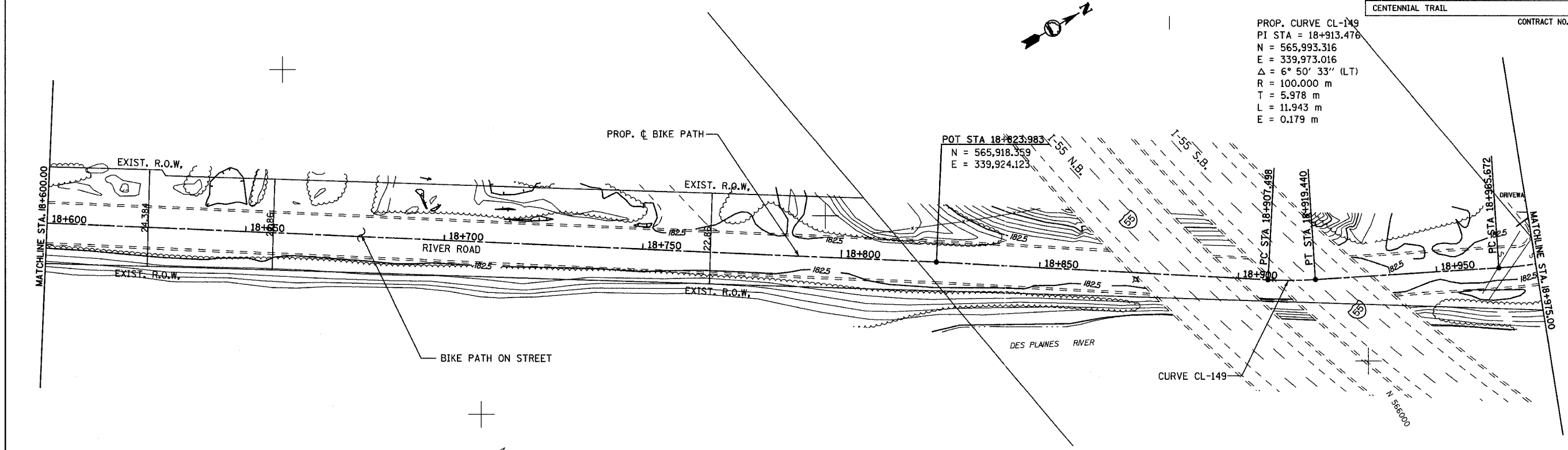
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 18+225 TO STA. 18+600

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA CHECKED BY: DDL

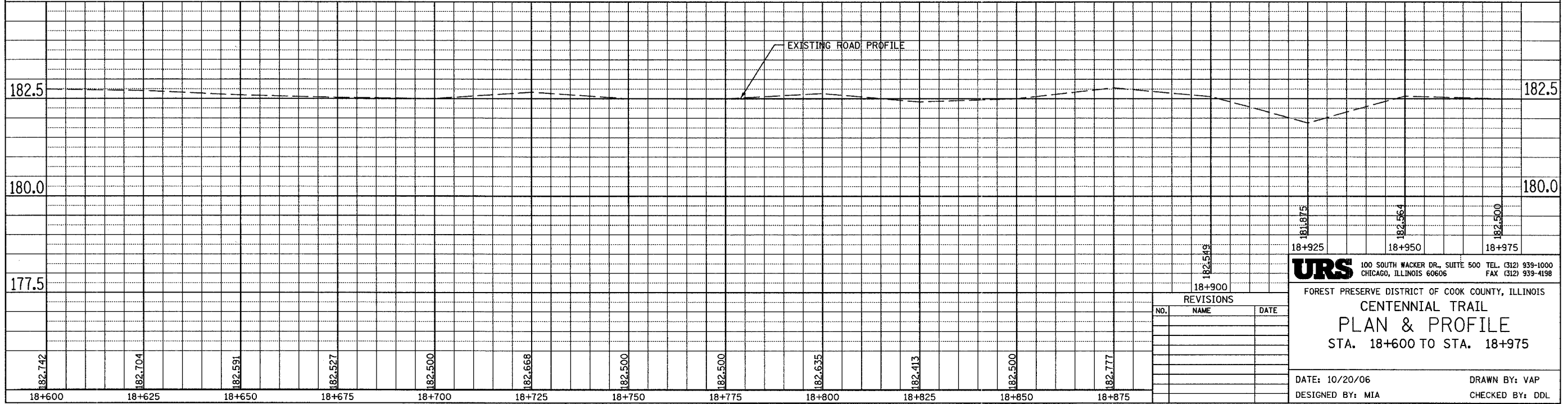
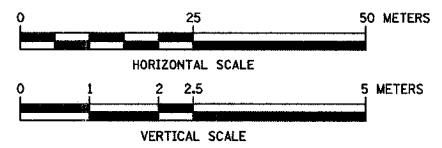
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	61
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

PROP. CURVE CL-149  
 PI STA = 18+913.476  
 N = 565,993.316  
 E = 339,973.016  
 $\Delta = 6^\circ 50' 33''$  (LT)  
 R = 100.000 m  
 T = 5.978 m  
 L = 11.943 m  
 E = 0.179 m



POT STA 18+823.983  
 N = 565,918.359  
 E = 339,924.123



REVISIONS		
NO.	NAME	DATE

**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

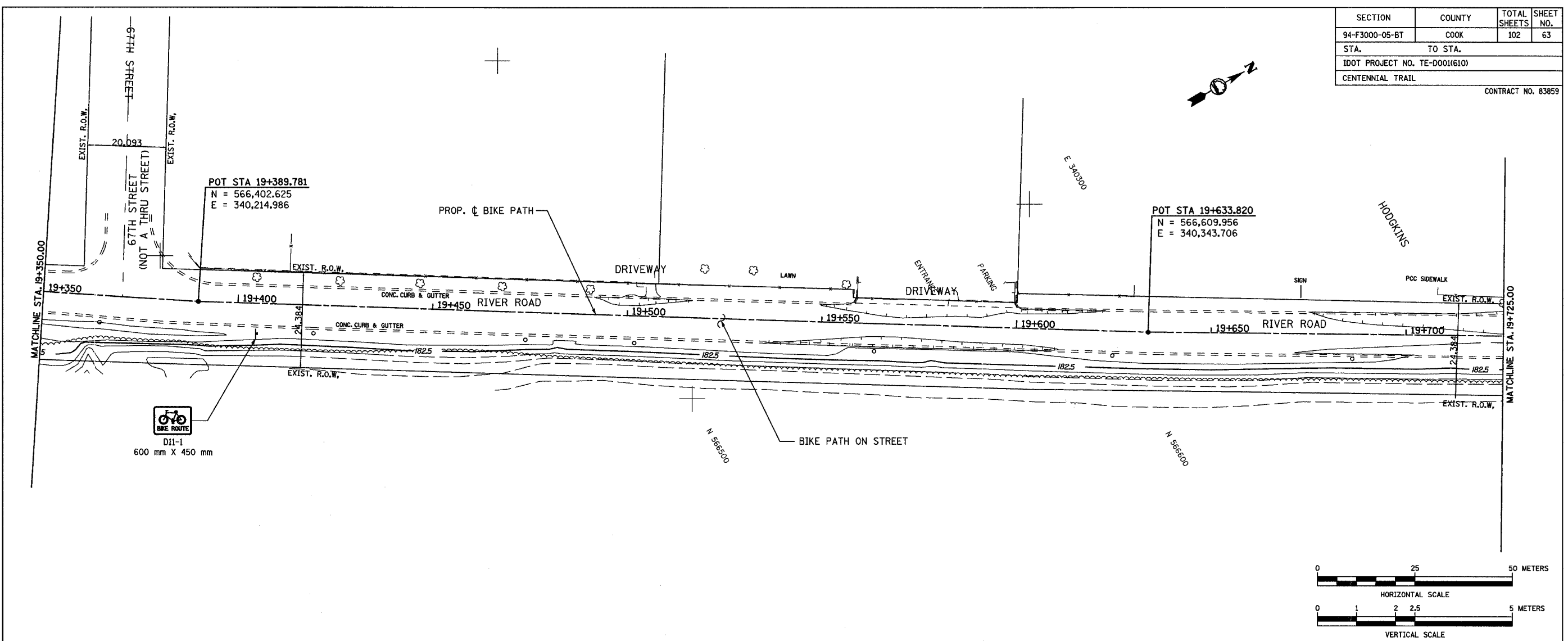
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 18+600 TO STA. 18+975

DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA CHECKED BY: DDL

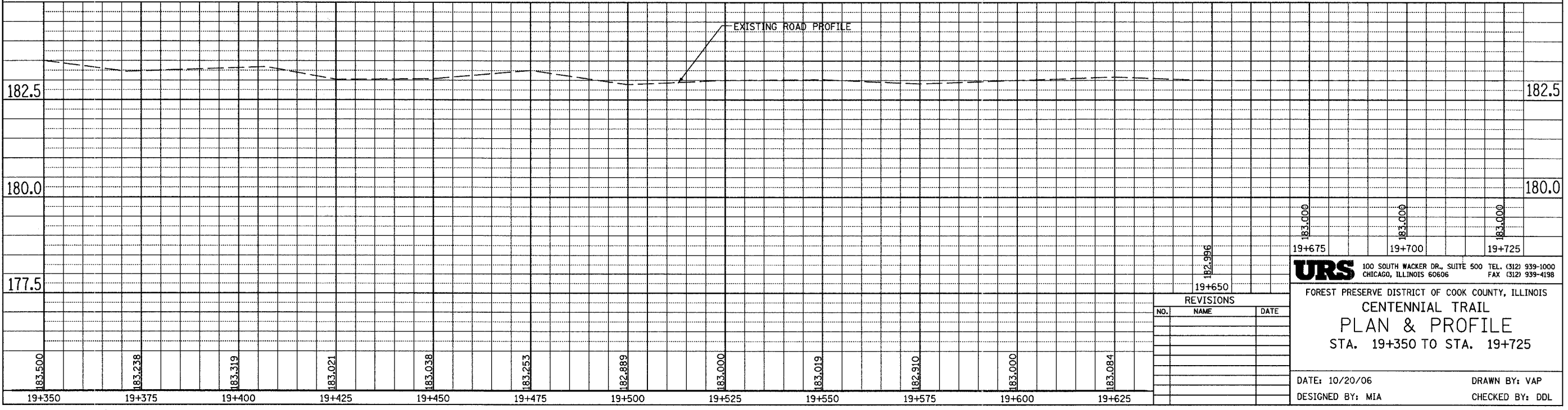
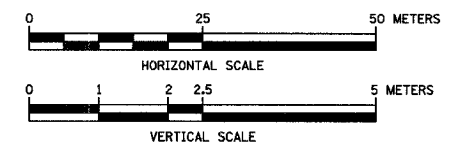


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	63
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



D11-1  
600 mm X 450 mm



REVISIONS		
NO.	NAME	DATE

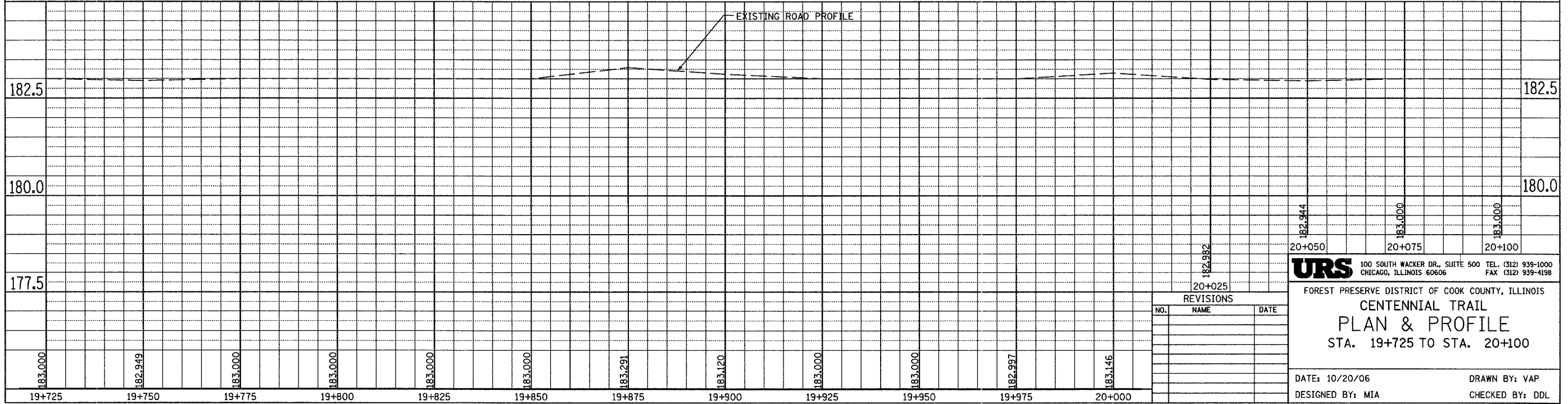
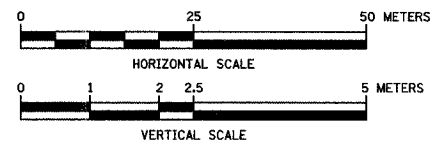
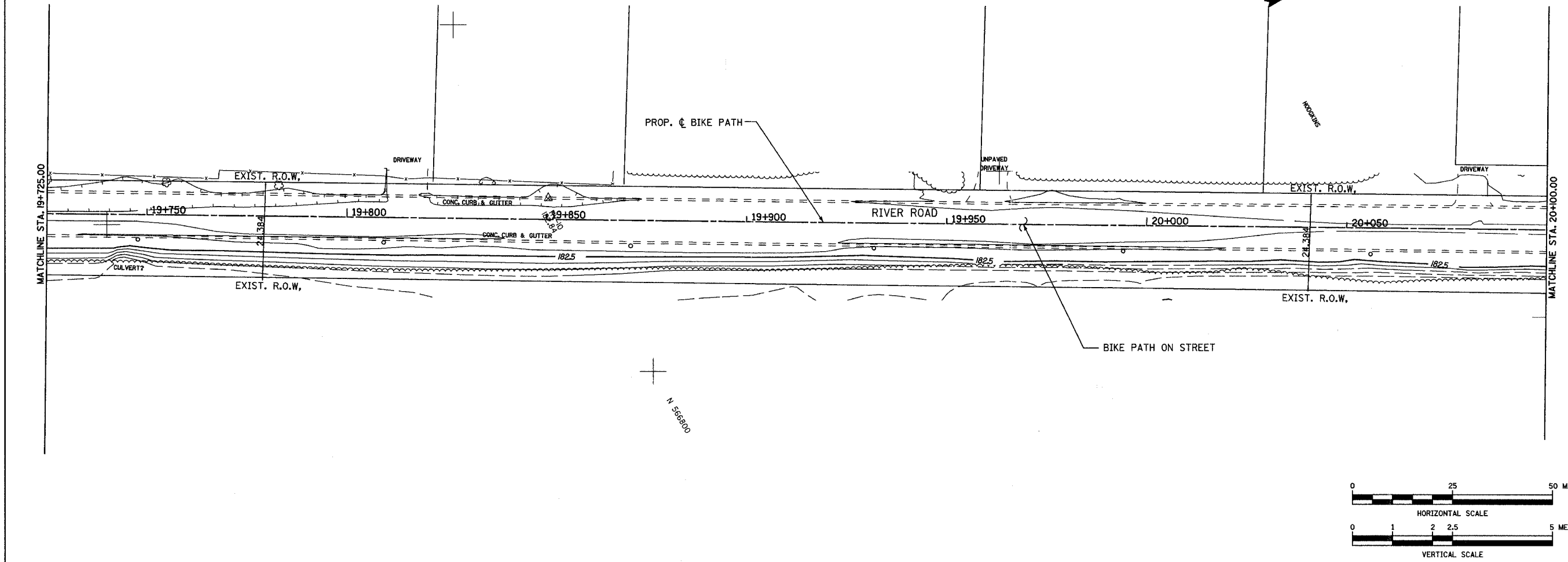
**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 19+350 TO STA. 19+725

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	64
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



REVISIONS		
NO.	NAME	DATE

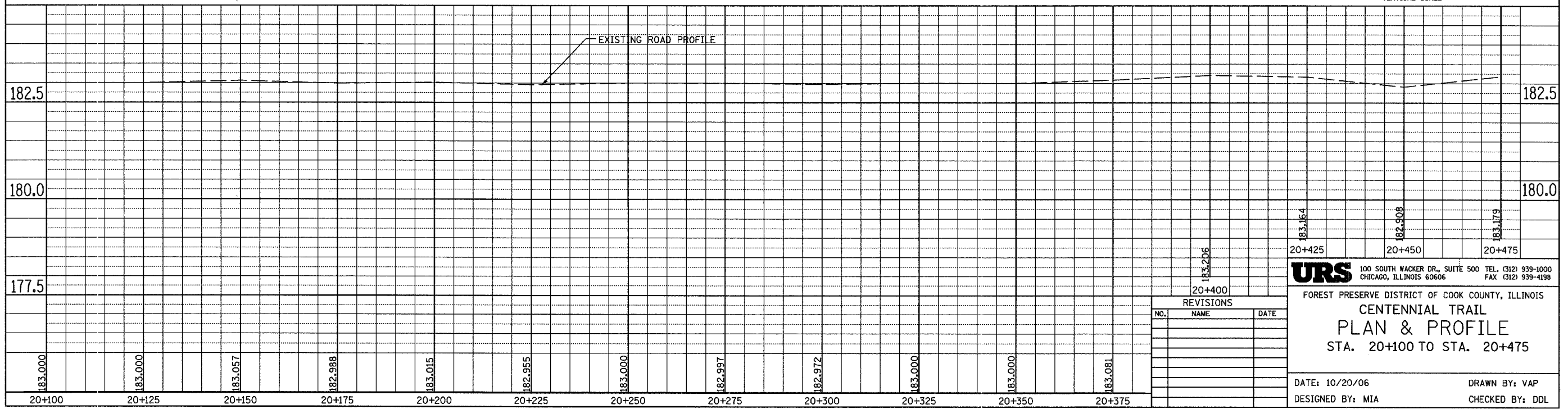
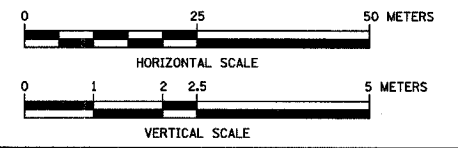
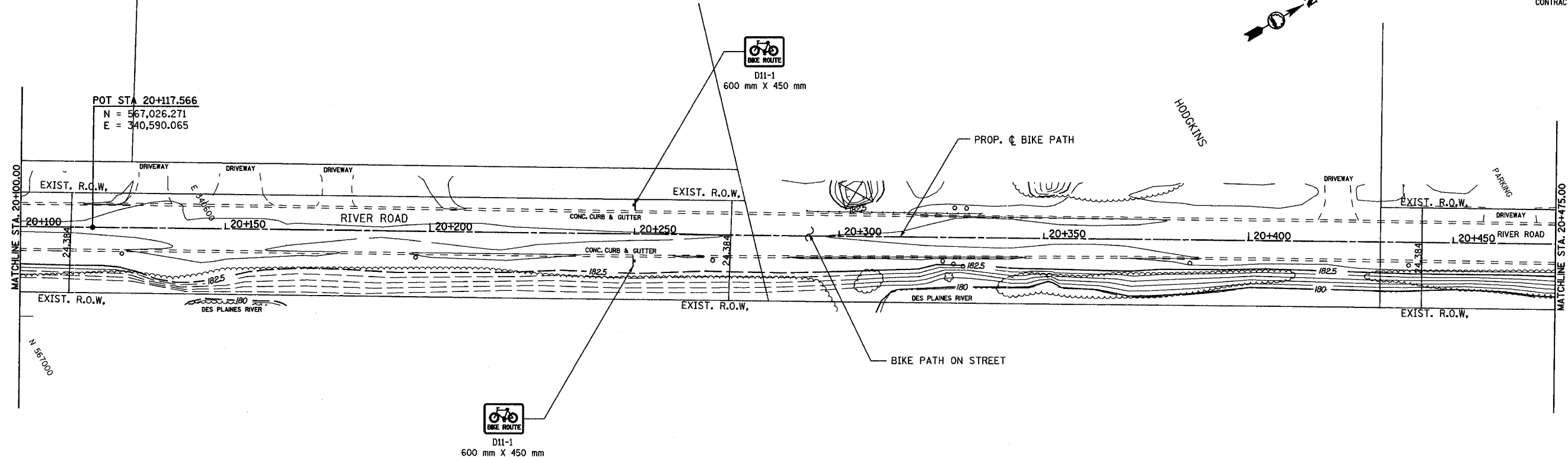
**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 19+725 TO STA. 20+100

DATE: 10/20/06      DRAWN BY: VAP  
DESIGNED BY: MIA      CHECKED BY: DDL



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	65
STA. TO STA.			
IDOT PROJECT NO. TE-000(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

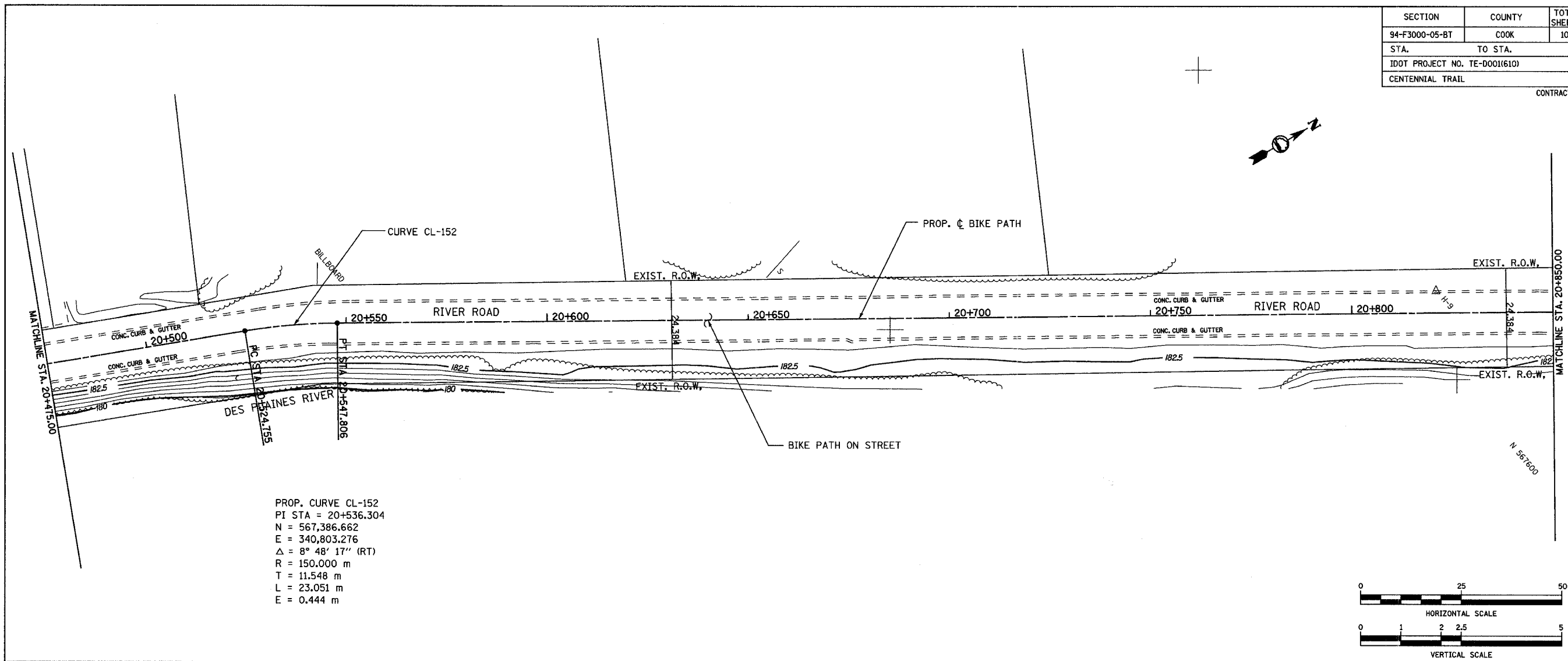


**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

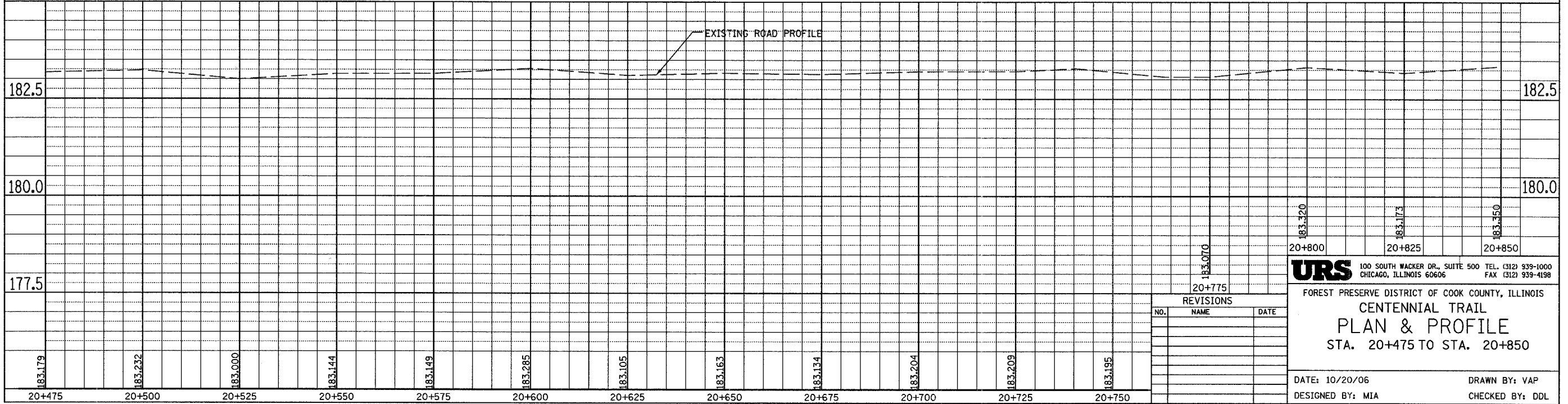
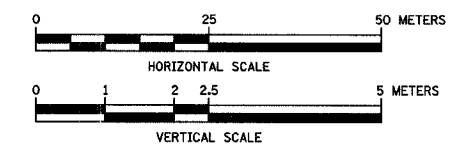
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
STA. 20+100 TO STA. 20+475

DATE: 10/20/06      DRAWN BY: VAP  
DESIGNED BY: MIA      CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	66
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



PROP. CURVE CL-152  
 PI STA = 20+536.304  
 N = 567,386.662  
 E = 340,803.276  
 $\Delta = 8^\circ 48' 17''$  (RT)  
 R = 150.000 m  
 T = 11.548 m  
 L = 23.051 m  
 E = 0.444 m



**URS** 100 SOUTH WACKER DR., SUITE 500 TEL: (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX: (312) 939-4198

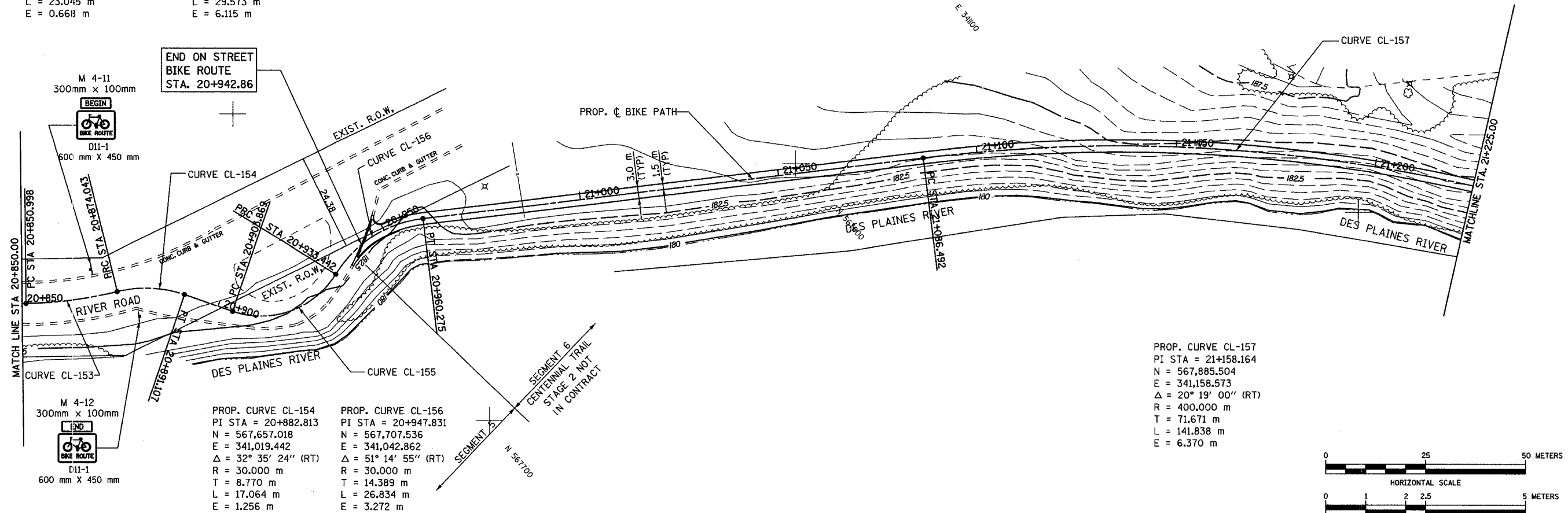
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 20+475 TO STA. 20+850

DATE: 10/20/06      DRAWN BY: VAP  
 DESIGNED BY: MIA      CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	67
STA. TO STA.		IDOT PROJECT NO. TE-0001(610)	
CENTENNIAL TRAIL		CONTRACT NO. 83859	

PROP. CURVE CL-153  
 PI STA = 20+862.572  
 N = 567,638.766  
 E = 340,010.457  
 $\Delta = 13^\circ 12' 14''$  (LT)  
 R = 100.000 m  
 T = 11.574 m  
 L = 23.045 m  
 E = 0.668 m

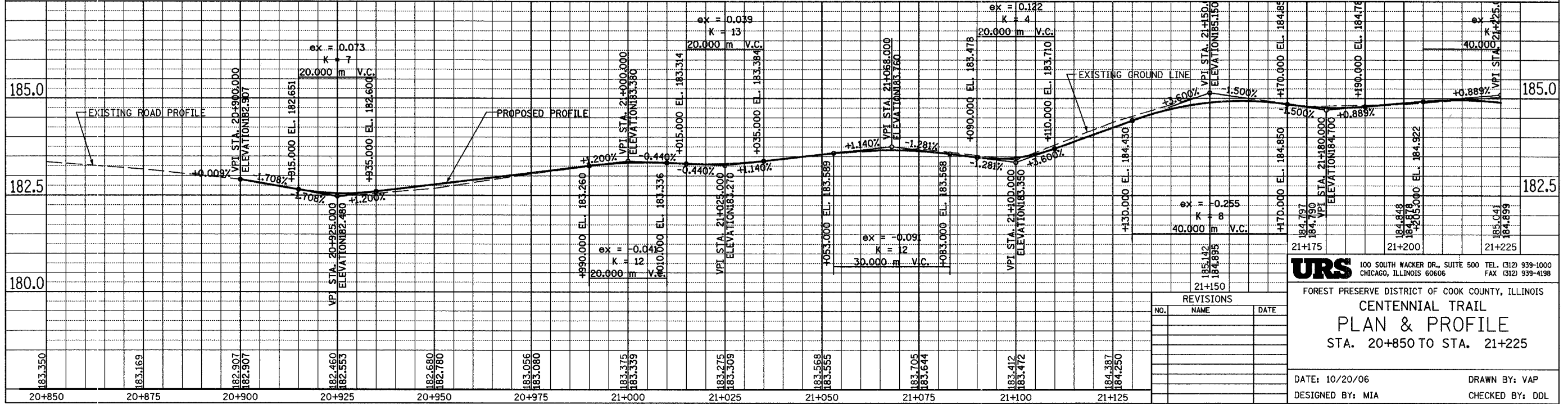
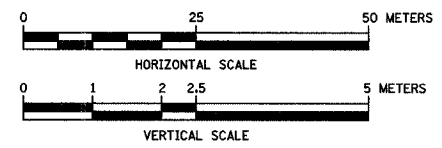
PROP. CURVE CL-155  
 PI STA = 20+921.374  
 N = 567,677.240  
 E = 341,052.833  
 $\Delta = 77^\circ 01' 03''$  (LT)  
 R = 22.000 m  
 T = 17.505 m  
 L = 29.573 m  
 E = 6.115 m



PROP. CURVE CL-154  
 PI STA = 20+882.813  
 N = 567,657.018  
 E = 341,019.442  
 $\Delta = 32^\circ 35' 24''$  (RT)  
 R = 30.000 m  
 T = 8.770 m  
 L = 17.064 m  
 E = 1.256 m

PROP. CURVE CL-156  
 PI STA = 20+947.831  
 N = 567,707.536  
 E = 341,042.862  
 $\Delta = 51^\circ 14' 55''$  (RT)  
 R = 30.000 m  
 T = 14.389 m  
 L = 26.834 m  
 E = 3.272 m

PROP. CURVE CL-157  
 PI STA = 21+158.164  
 N = 567,885.504  
 E = 341,158.573  
 $\Delta = 20^\circ 19' 00''$  (RT)  
 R = 400.000 m  
 T = 71.671 m  
 L = 141.838 m  
 E = 6.370 m



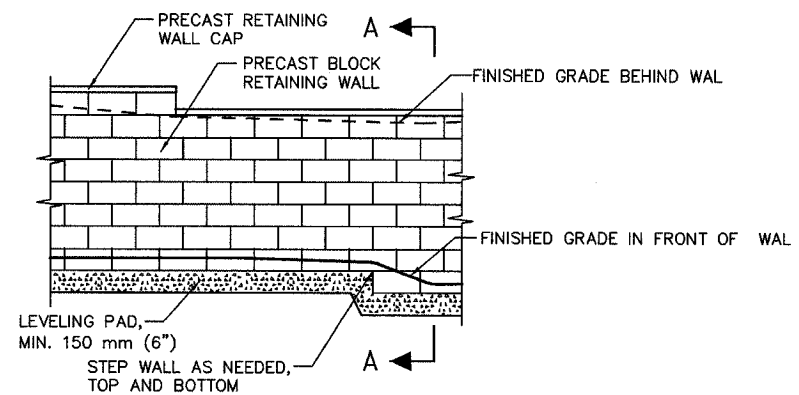
**URS** 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000  
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS  
**CENTENNIAL TRAIL**  
**PLAN & PROFILE**  
 STA. 20+850 TO STA. 21+225

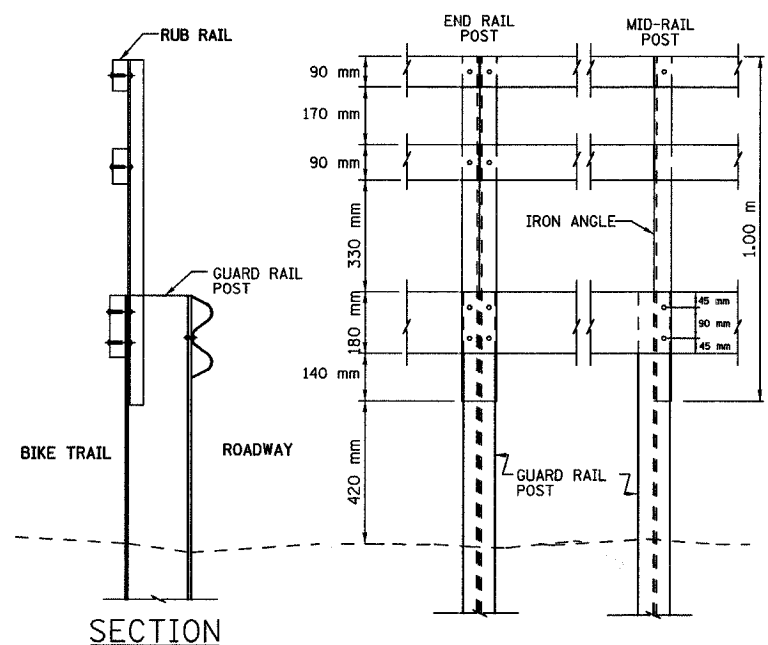
DATE: 10/20/06 DRAWN BY: VAP  
 DESIGNED BY: MIA CHECKED BY: DDL

REVISIONS		
NO.	NAME	DATE

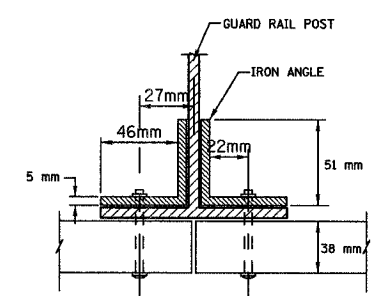
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	68
STA. TO STA.			
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



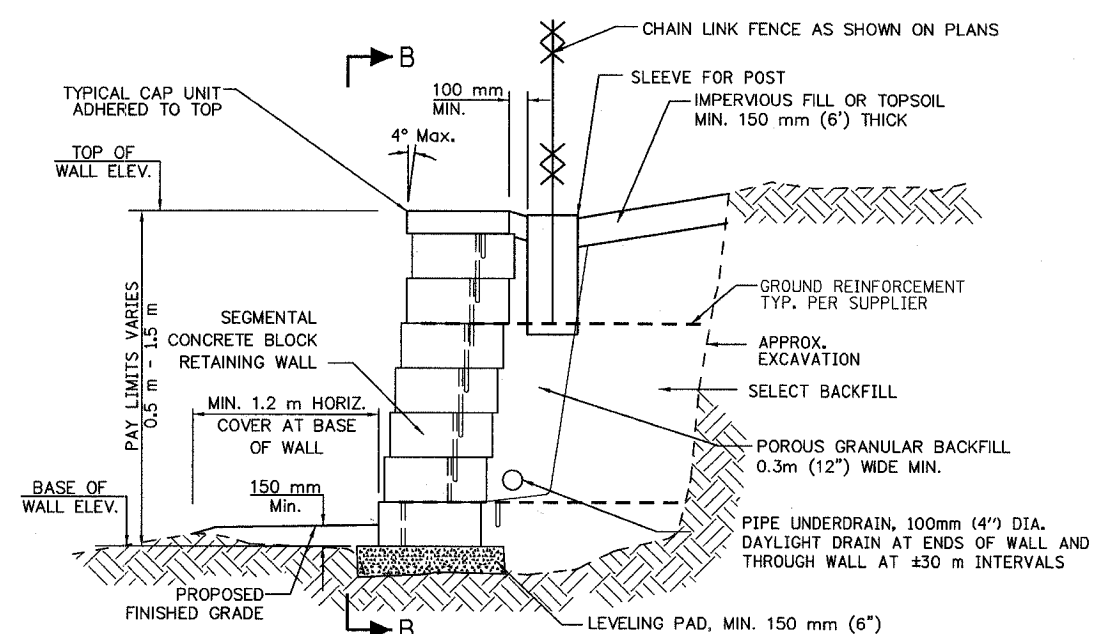
**SECTION B-B  
ELEVATION**



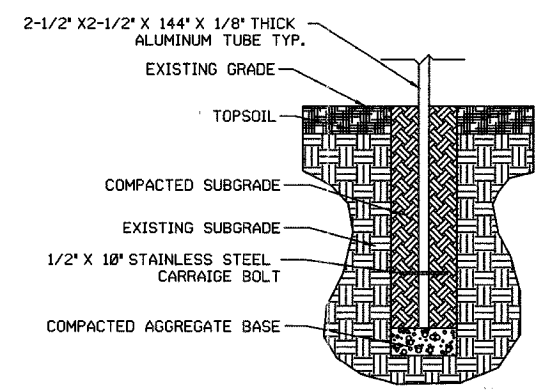
**RUB RAIL ASSEMBLY DETAIL**  
NOTE: RAILS EXTEND 2 SPANS OF STEEL GUARD RAIL POSTS  
N.T.S.



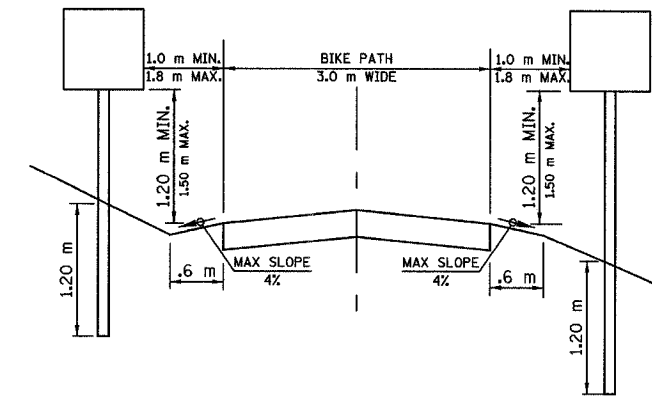
**POST BOLT & NUT  
PER STD. 630001-04**



**SECTION A-A  
SEGMENTAL CONCRETE BLOCK  
RETAINING WALL DETAIL**  
N.T.S.



**SIGN BASE DETAIL**  
N.T.S.



**SIGN PLACEMENT DETAIL**  
N.T.S.

**NOTES**

- THE CONTRACTOR SHALL SUBMIT DESIGN, CONSTRUCTION PLANS WITH MATERIAL INFORMATION & SHOP DRAWINGS FOR CONNECTION DETAILS SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS TO THE ENGINEER FOR APPROVAL BEFORE ORDERING MATERIALS.
- RETAINING WALL EQUIVALENT FLUID PRESSURE = 50(PCF)
- REINFORCING BARS SHALL BE GRADE 60
- GROUT MORTAR,  $f'_m = 2500$  psi (MIN.)
- THE DESIGN OF THE RETAINING WALL SHALL BE IN COMPLIANCE WITH THE GUIDELINES FOR THE DESIGN OF MECHANICALLY STABILIZED EARTH WALLS AS DEVELOPED BY AASHTO-AGC-ARTA JOINT COMMITTEE TASK FORCE 27 GROUND MODIFICATION SYSTEMS.
- EXCAVATION, LEVELING PAD, BACKFILL, PIPE UNDERDRAIN, GROUND REINFORCEMENT, GROUND RESTORATION, AND SEEDING OF RESTORED GROUND ARE INCLUDED IN COST OF CONCRETE BLOCK RETAINING WALL.
- INSTALL CHAIN LINK FENCE POST SLEEVE DURING RETAINING WALL CONSTRUCTION TO PREVENT DAMAGE TO GROUND REINFORCEMENT.

SEGMENTAL CONCRETE BLOCK RETAINING WALLS SITING DATA	STATION	TOP OF WALL ELEV, M	BASE OF WALL ELEV, M	WALL HEIGHT, M
WALL AT BNSF BRIDGE 24.7	2+655.5	179.80	178.90	0.90
	2+675	179.80	178.50	1.30
	2+685	179.80	178.50	1.30
WALL AT BNSF WILLOW SPRINGS YARD	16+930	181.93	180.83	1.10
	16+950	181.93	180.23	1.70
	16+975	181.93	179.83	2.10
	17+000	181.93	179.83	2.10
	17+025	182.13	179.83	2.30
	17+050	182.73	181.03	1.70
	17+060	182.73	181.83	0.90

REVISIONS		
NO.	NAME	DATE

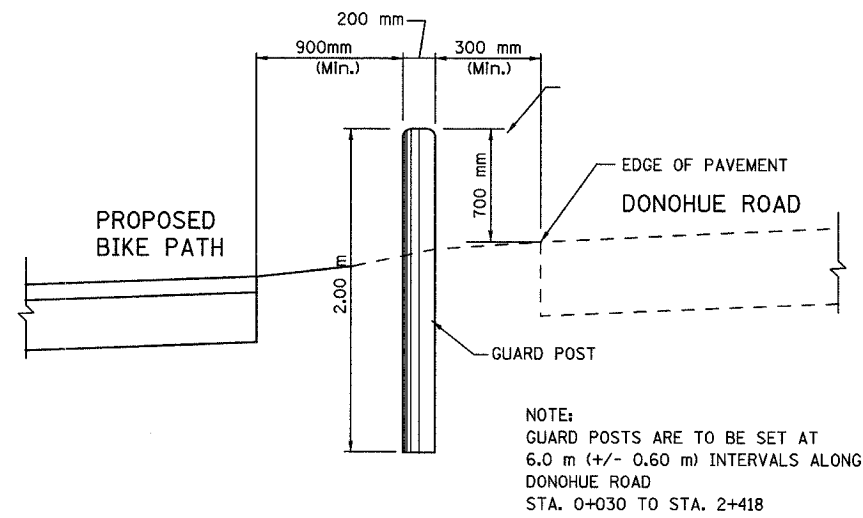
**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
CENTENNIAL TRAIL

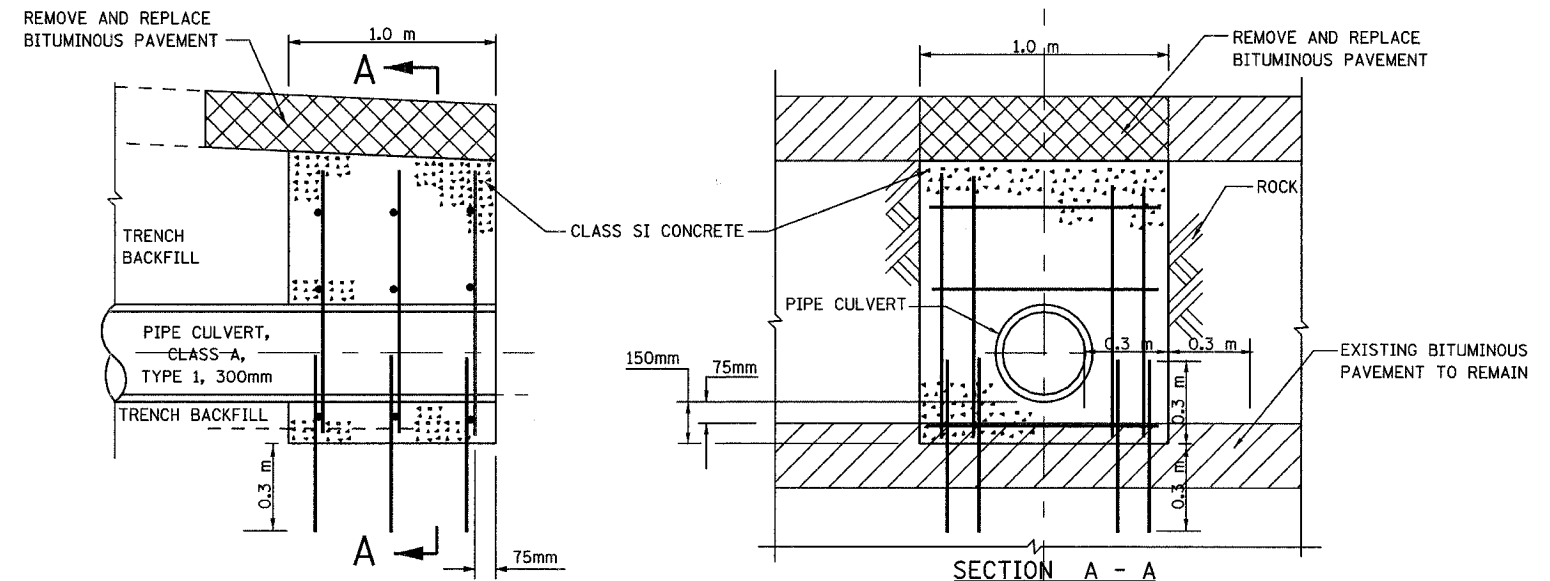
MISCELLANEOUS DETAILS

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: DIH CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	69
STA. TO STA.			
PROJECT NO. TE-0001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



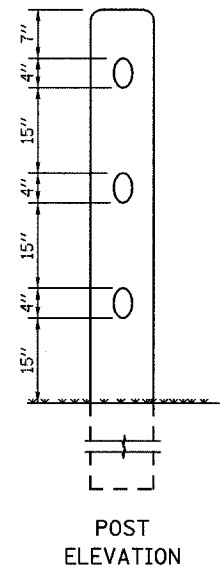
**GUARD POST DETAIL**  
N.T.S.



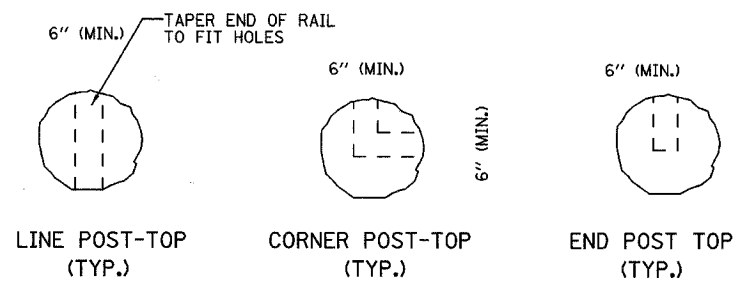
**CROSS SECTION**

**CONCRETE HEADWALL FOR PIPE DRAIN**  
N.T.S.

DRILL AND GROUT 600mm #15 STEEL DOWELS W/300mm ± EMBEDMENT  
#15 STEEL REINFORCEMENT BARS AT MINIMUM 300mm ± VERTICAL  
AND HORIZONTAL SPACING WITH MIN. 50mm COVER.  
ALL STEEL DOWELS AND REINFORCEMENT BARS SHALL BE EPOXY COATED.  
ALL REBARS, DRILLING AND GROUTING COSTS INCLUDED  
WITH CONCRETE HEADWALL FOR PIPE DRAIN.



**POST ELEVATION**



**RUSTIC RAIL FENCE DETAIL**  
N.T.S.

REVISIONS		
NO.	NAME	DATE

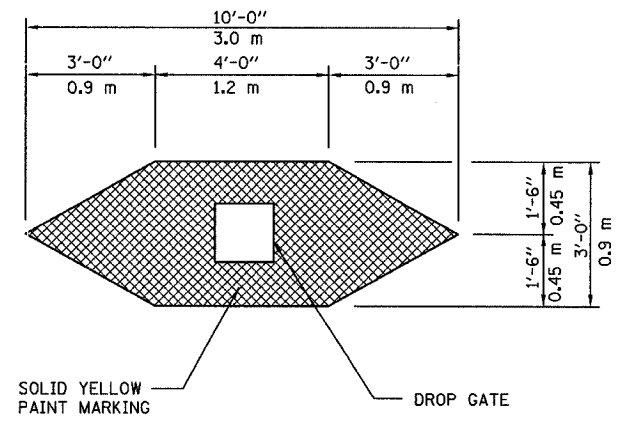
**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
CENTENNIAL TRAIL

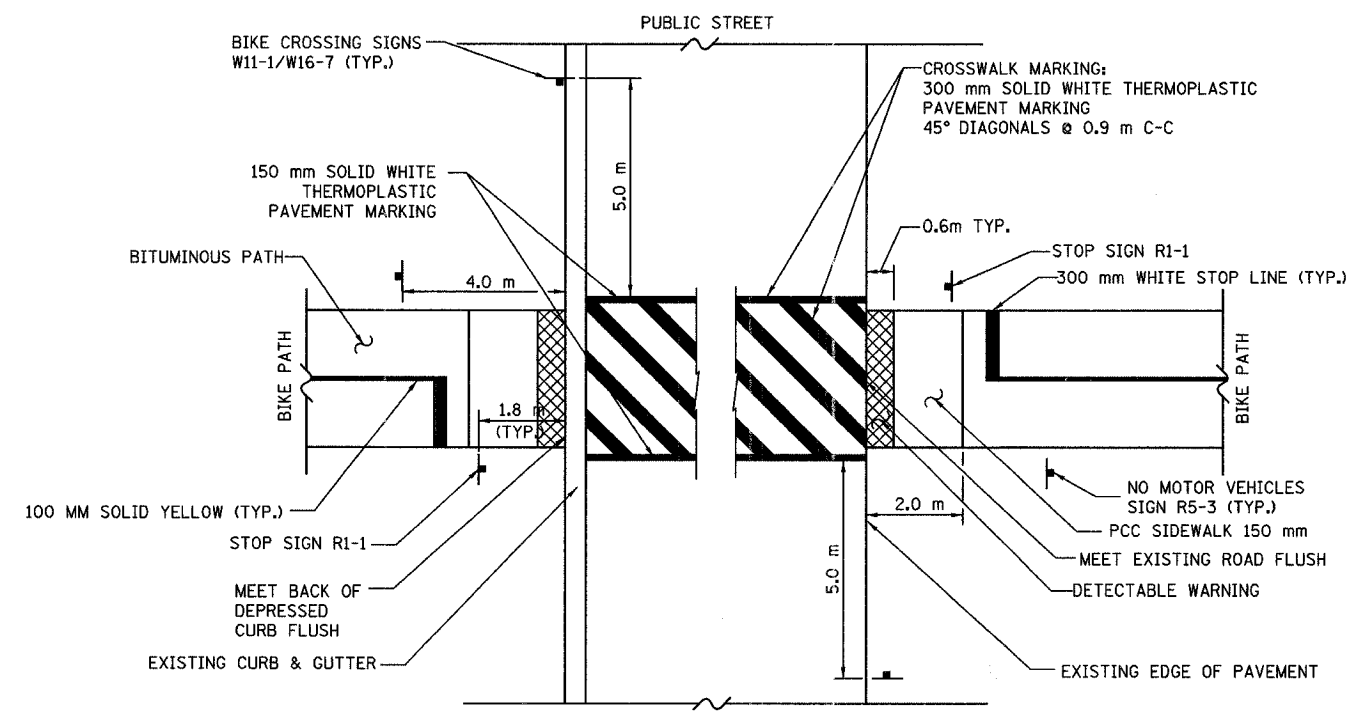
MISCELLANEOUS DETAILS

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: DIH CHECKED BY: DDL

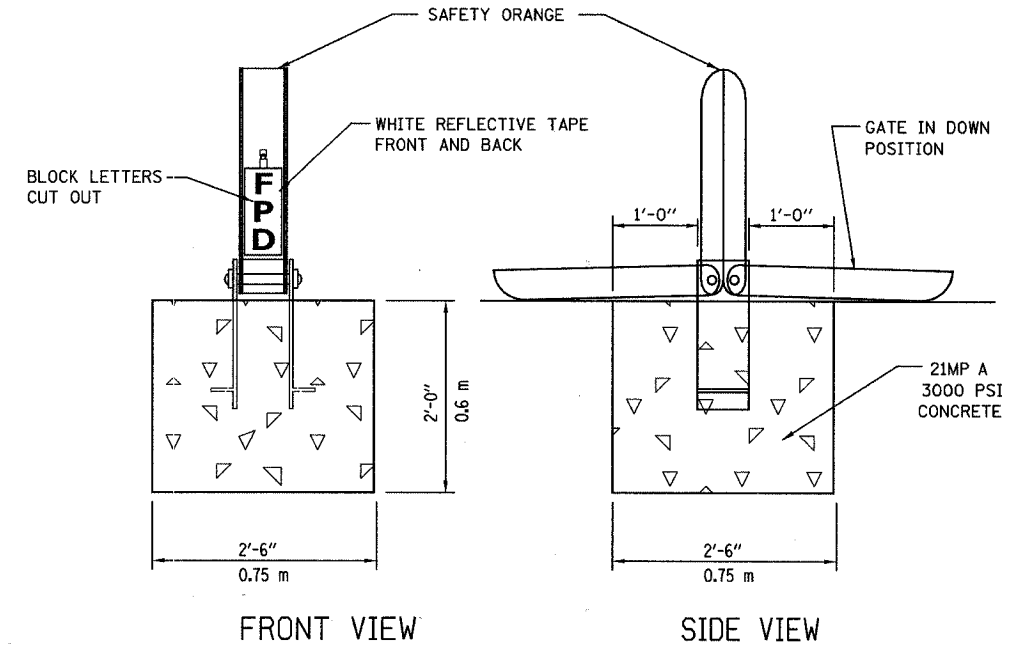
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	70
STA.	TO STA.		
PROJECT NO. TE-0001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



**DROP GATE MARKING DETAIL**  
N.T.S.

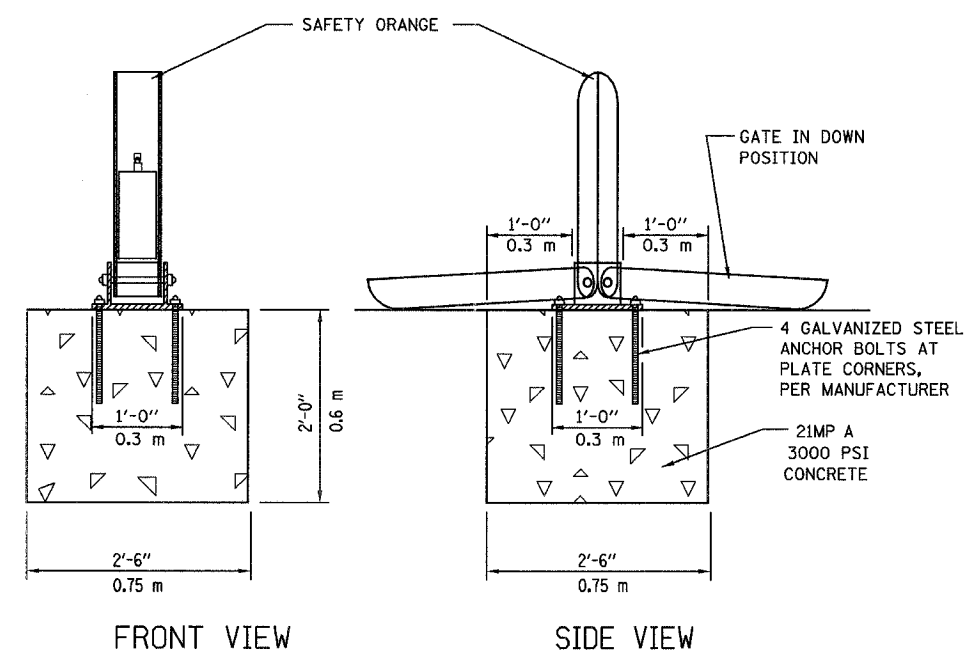


**STREET INTERSECTION SIGN AND PAVEMENT MARKING DETAIL**  
N.T.S.



**DROP GATE, SPECIAL INSTALLATION DETAIL**  
N.T.S.

NOTE:  
DROP GATE, SPECIAL ASSEMBLIES ARE FURNISHED BY THE FOREST PRESERVE DISTRICT, CONTRACTOR SHALL PRIME AND PAINT GATE AS REQUIRED IN SPECIFICATIONS.  
POSITION DROP GATE 4.0 m BACK FROM EDGE OF ROAD.



**DROP GATE INSTALLATION DETAIL**  
N.T.S.

NOTE:  
DROP GATE ASSEMBLIES ARE FURNISHED BY THE CONTRACTOR  
POSITION DROP GATE 4.0 m BACK FROM EDGE OF ROAD.

REVISIONS		
NO.	NAME	DATE

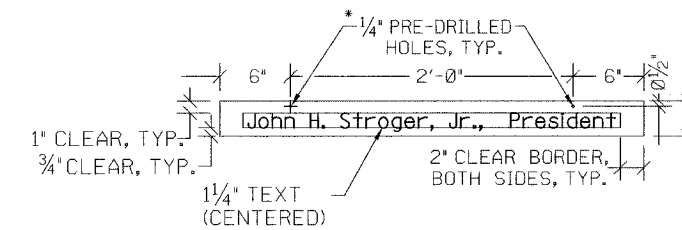
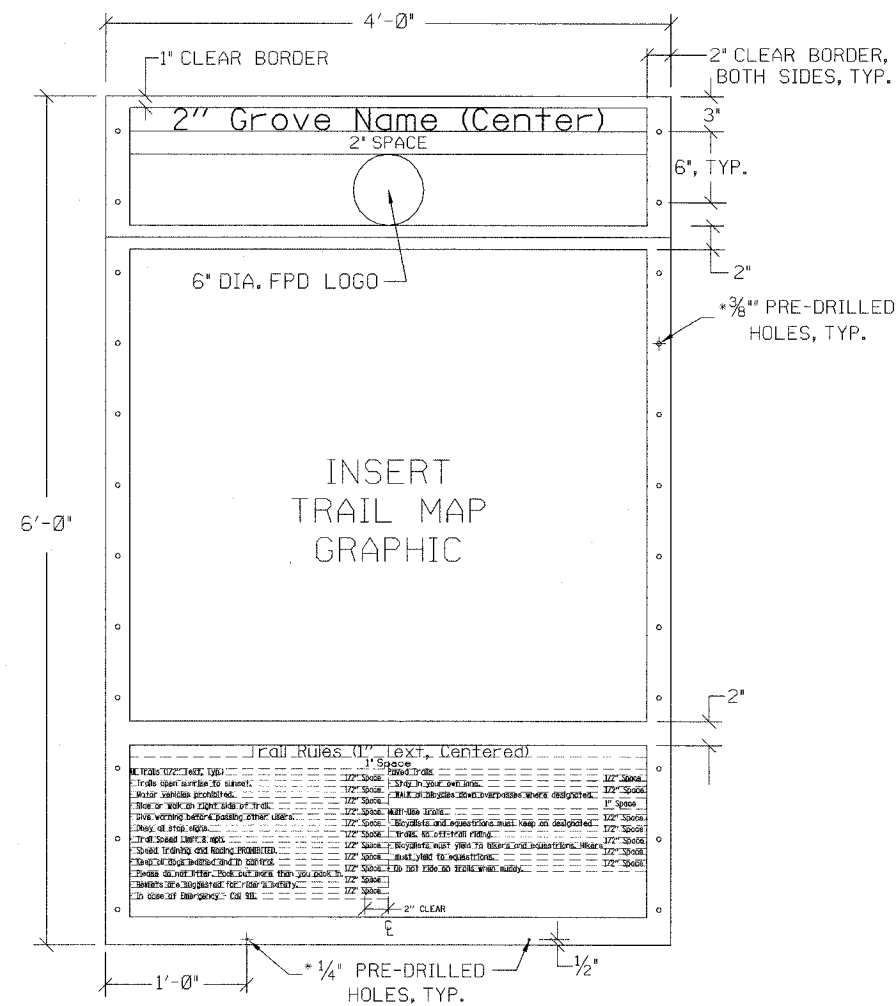
**URS** 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000  
CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**  
SIGN DETAILS

DATE: 10/20/06 DRAWN BY: VAP  
DESIGNED BY: DIH CHECKED BY: DDL



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	71
STA.	TO STA.		
PROJECT NO. TE-0001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



**PRESIDENT PANEL NOTES:**

- PANEL SHALL BE .080" ALUMINUM PANEL, ENGINEER GRADE WITH DOUBLE-SIDED GRAPHIC.
- BACKGROUND COLOR: CREAM  
TEXT COLOR: MAROON
- FONT: BOOKMAN OLD STYLE, BOLD, UPPER AND LOWER CASE LETTERS.
- COLOR SAMPLES ON FINISHED MATERIALS TO BE PROVIDED FOR APPROVAL.
- SHOP DRAWINGS SHALL BE PROVIDED FOR APPROVAL.

**NOTES:**

- PANEL SHALL BE .125" ALUMINUM, ENGINEER GRADE, WITH DOUBLESIDED GRAPHIC WITH ANTI-GRAFFITI COATING, BOTH SIDES OF PANEL.
- HEADER SECTION -  
BACKGROUND COLOR: MAROON  
TEXT AND LOGO COLOR: CREAM
- MAP SECTION -  
BACKGROUND COLOR: CREAM
- RULES SECTION -  
BACKGROUND COLOR: CREAM  
TEXT COLOR: MAROON.  
LEFT JUSTIFY TEXT EXCEPT TITLE.
- FONT: BOOKMAN OLD STYLE, BOLD.
- MAP GRAPHIC, GROVE NAMES AND RULES TEXT TO BE PROVIDED BY FOREST PRESERVE DISTRICT IN DIGITAL FORMAT.
- COLOR SAMPLES ON FINISHED MATERIALS TO BE PROVIDED FOR APPROVAL.
- SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

**TRAIL HEAD POST FOUNDATION**  
N.T.S.

**TRAIL HEAD POST FOUNDATION**  
N.T.S.

REVISIONS		
NO.	NAME	DATE

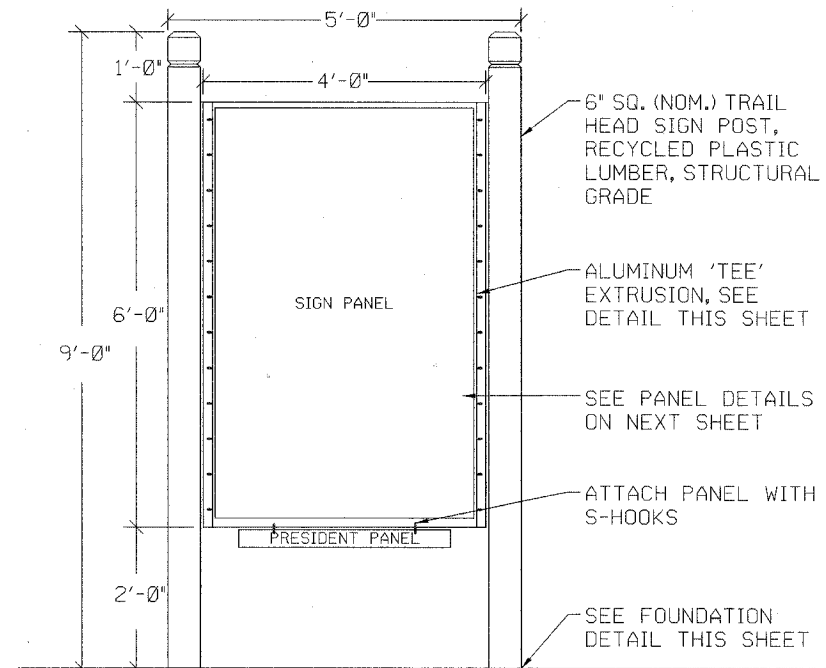
**URS** 100 S. WACKER DR., SUITE 500 TEL: (312) 939-1000  
CHICAGO, IL 60606 FAX: (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**

**SIGN PANEL DETAIL**

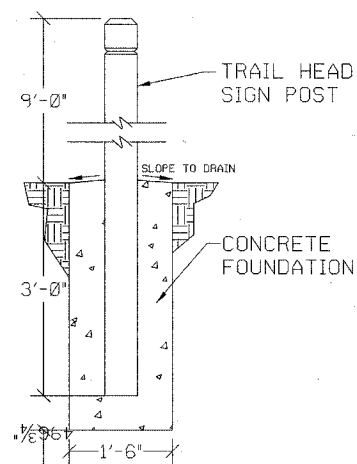
DATE: 04/19/06      DRAWN BY:  
DESIGNED BY: DGM      CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	72
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



**NOTES:**  
1. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

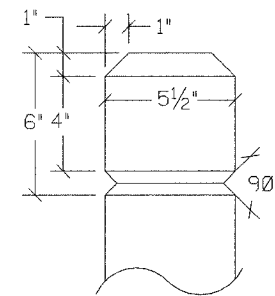
TRAIL HEAD SIGN  
N.T.S.



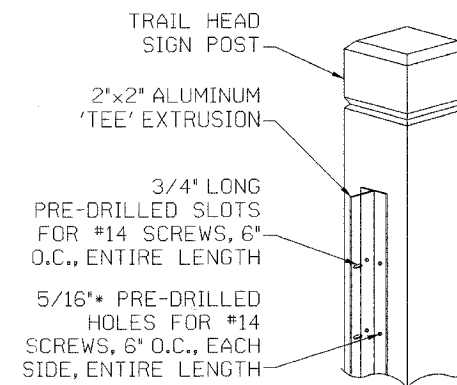
TRAIL HEAD POST FOUNDATION  
N.T.S.

**NOTES:**

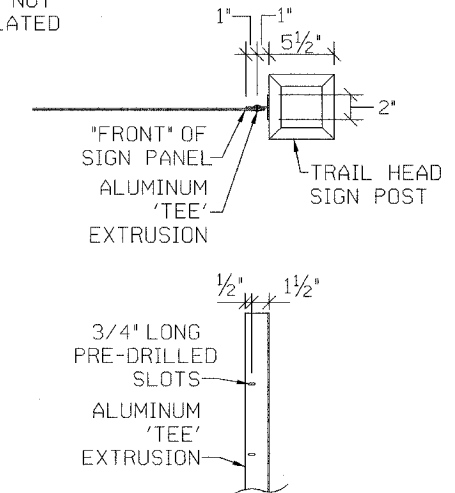
1. FASTEN TEE TO POST WITH #14 x 1.5" SIX-LOBE SECURITY SCREWS, BUTTON HEAD, TYPE SMS, STAINLESS STEEL AND WASHER.
2. FASTEN SIGN PANEL TO TEE WITH #14 x 1" SIX-LOBE SECURITY SCREWS, BUTTON HEAD, TYPE M/S, STAINLESS STEEL, ONE #14 WASHER AND ONE #14 TAMPER-PROOF NUT AS MANUFACTURED BY GUARD-NUT INC., SERIES 75, PLATED STEEL.



POST TOP DETAIL



ALUMINUM EXTRUSION



TRAIL HEAD POST DETAILS  
N.T.S.

REVISIONS		
NO.	NAME	DATE

**URS** 100 S. WACKER DR., SUITE 500 TEL. (312) 939-1000  
CHICAGO, IL 60606 FAX (312) 939-4198

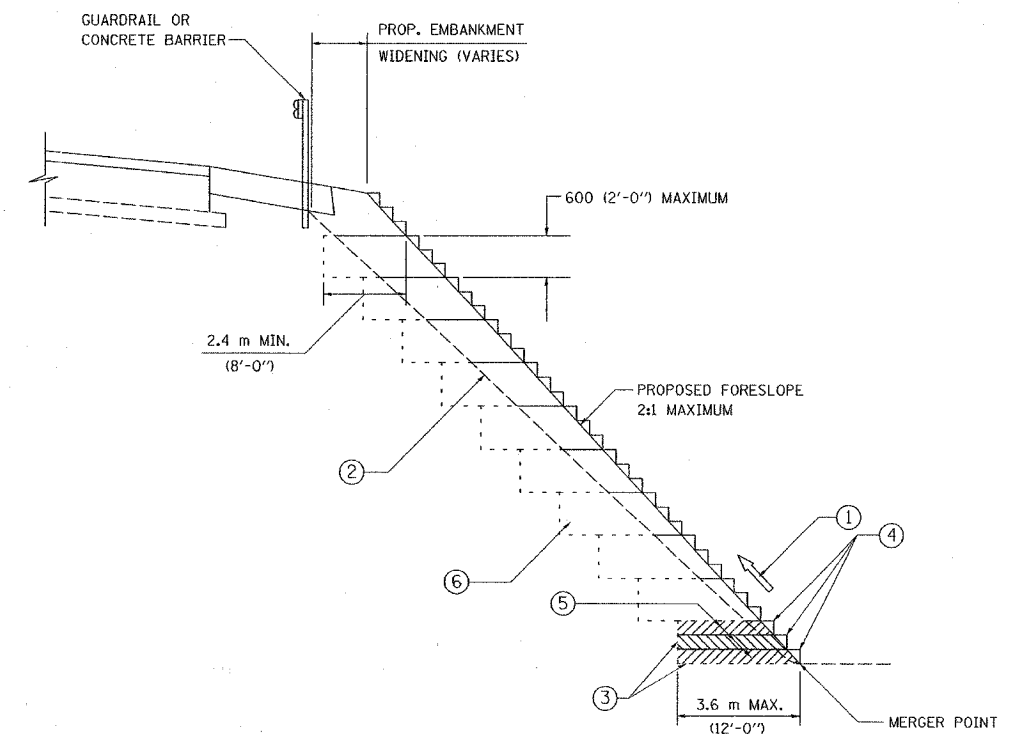
FOREST PRESERVE DISTRICT OF COOK COUNTY  
**CENTENNIAL TRAIL**

**TRAIL HEAD SIGN DETAILS**

DATE: 04/19/06 DRAWN BY:  
DESIGNED BY: DGM CHECKED BY: DDL

F. A. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	102	73
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83859



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE INCIDENTAL TO "EMBANKMENT PLACEMENT".

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BENCHING DETAIL  
FOR EMBANKMENT  
WIDENING**

REVISIONS	
NAME	DATE

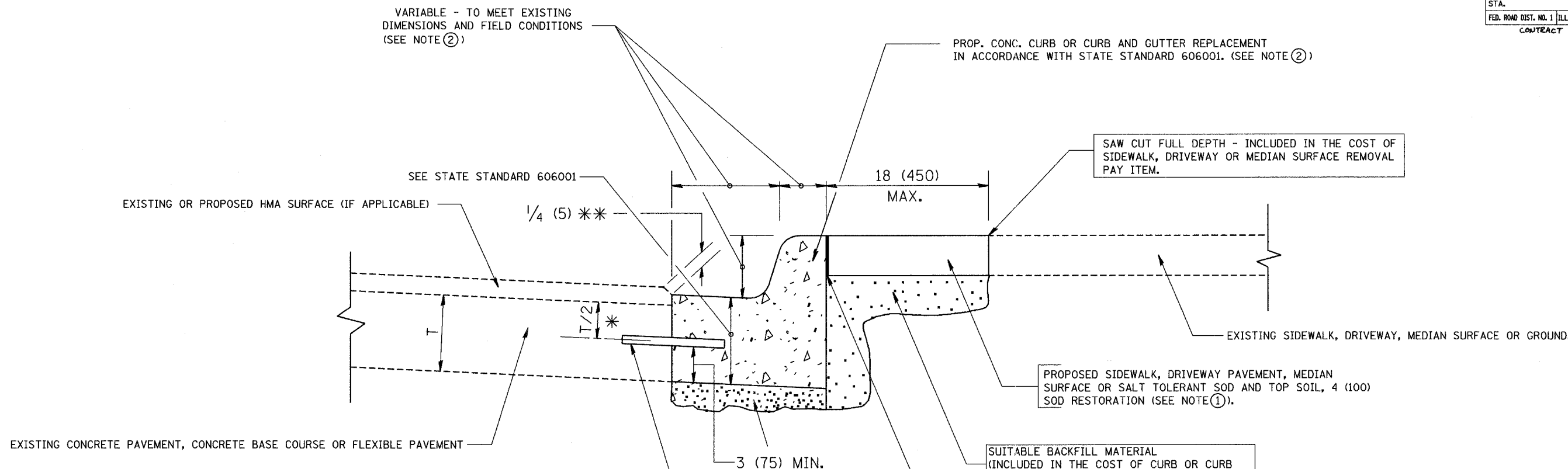
SCALE: NONE  
DATE: 10/18/2002

DRAWN BY: CADD  
CHECKED BY: S.E.B.  
BD-51

REVISION DATE:

\*DATE-TIME\*  
\*DWG-SPEC\*  
\*V-BDS\*

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
	74-F3000-05-BT	Cook	102 74
STA.	TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 93859			



\* 3 (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.  
 \* \* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE:
- ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.  
 SALT TOLERANT SOD AND TOP SOIL, 4 (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
  - ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
  - ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
  - ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

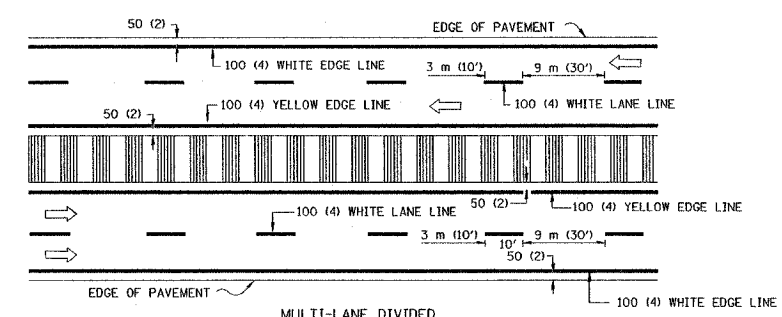
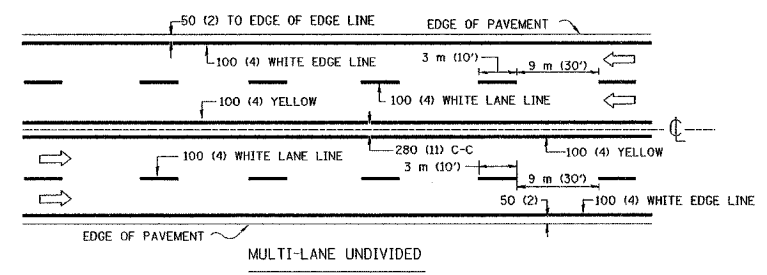
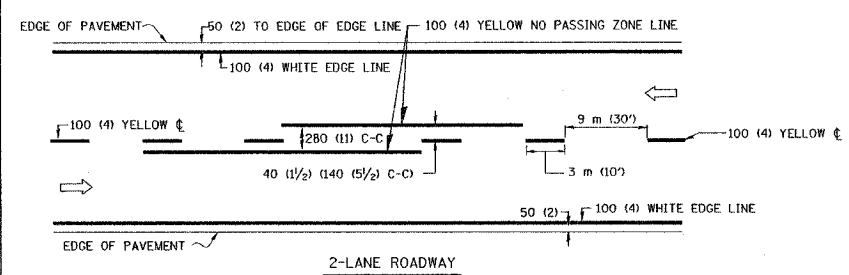
## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CURB OR CURB AND GUTTER  
 REMOVAL AND REPLACEMENT

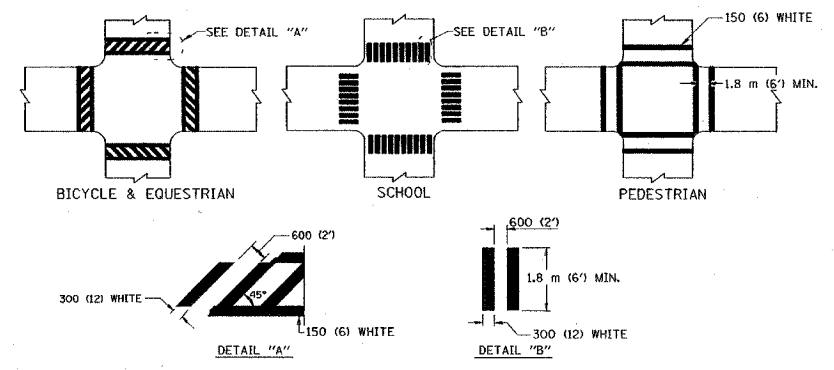
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 HORIZ. 1"=10'  
 PLOT DATE: 10/31/2006  
 DRAWN BY  
 CHECKED BY  
 BD600-06 (BD-24)  
 REVISION DATE: 01/01/07

PLOT DATE = 10/31/2006  
 PLOT SCALE = 1"=10'  
 USER NAME = jaygo

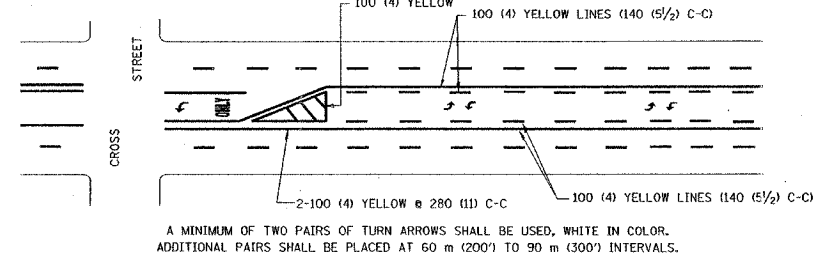
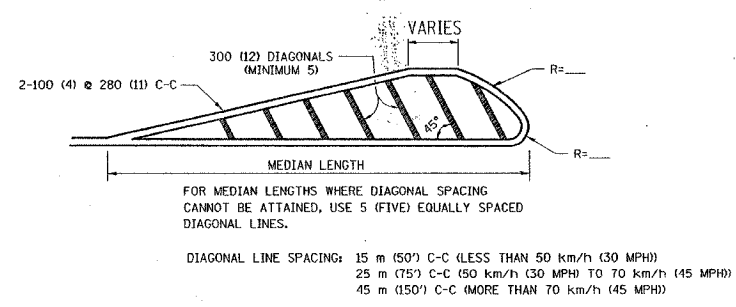
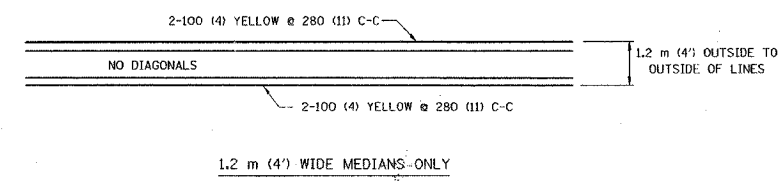


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

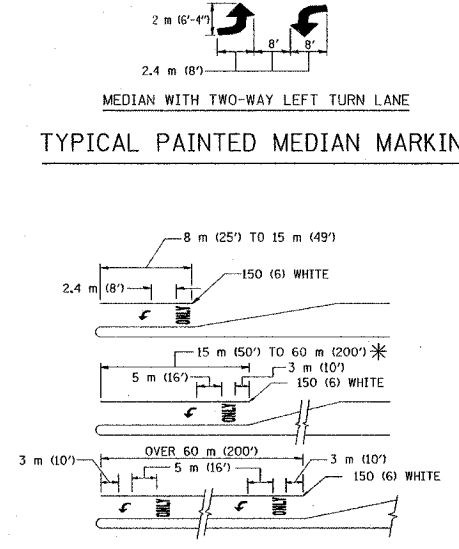
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

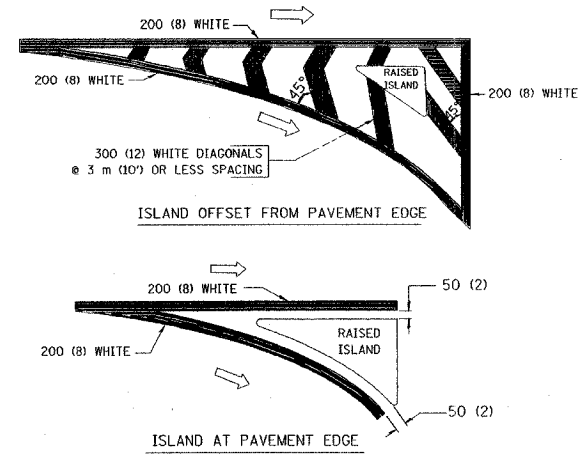


TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.  
AREA = 1.5 m<sup>2</sup> (15.6 SQ. FT.) ONLY AREA = 1.9 m<sup>2</sup> (20.8 SQ. FT.)  
\* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

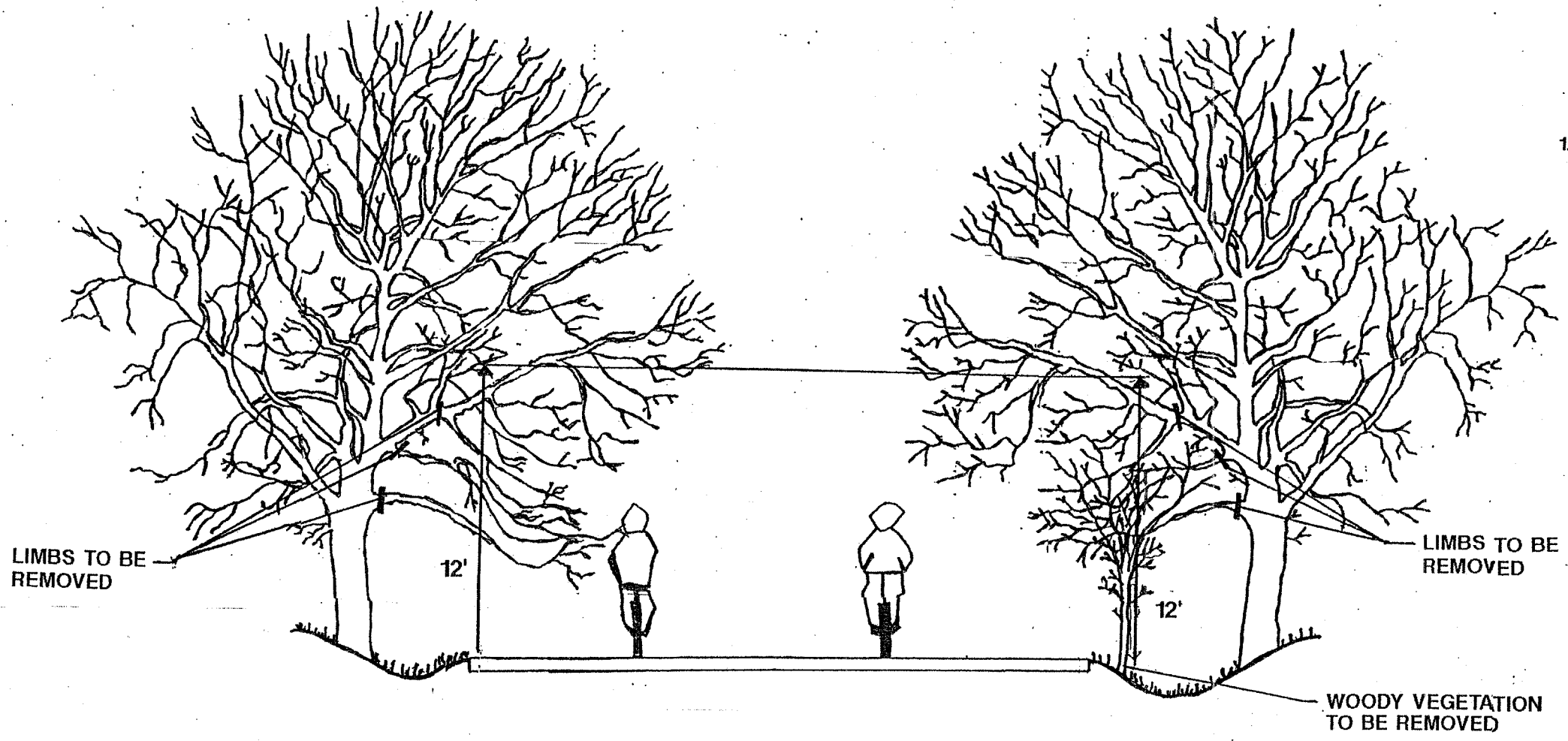
DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: NONE  
DATE 10/18/2002

DRAWN BY CADD  
CHECKED BY TC-13  
REVISION DATE: 01/06/00

SECTION	COUNTY	TOTAL SHEETS
		102
STA. TO STA.		
ILLINOIS	PER AID PROJECT	

CONTRACT NO. 83



**GENERAL NOTES**

1. THE NATIONAL ARBORIST ASSOCIATION'S PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE**

REVISIONS	
NAME	DATE

SCALE: NTS

DATE

DRAWN BY  
DESIGNED BY  
CHECKED BY

11/12/27



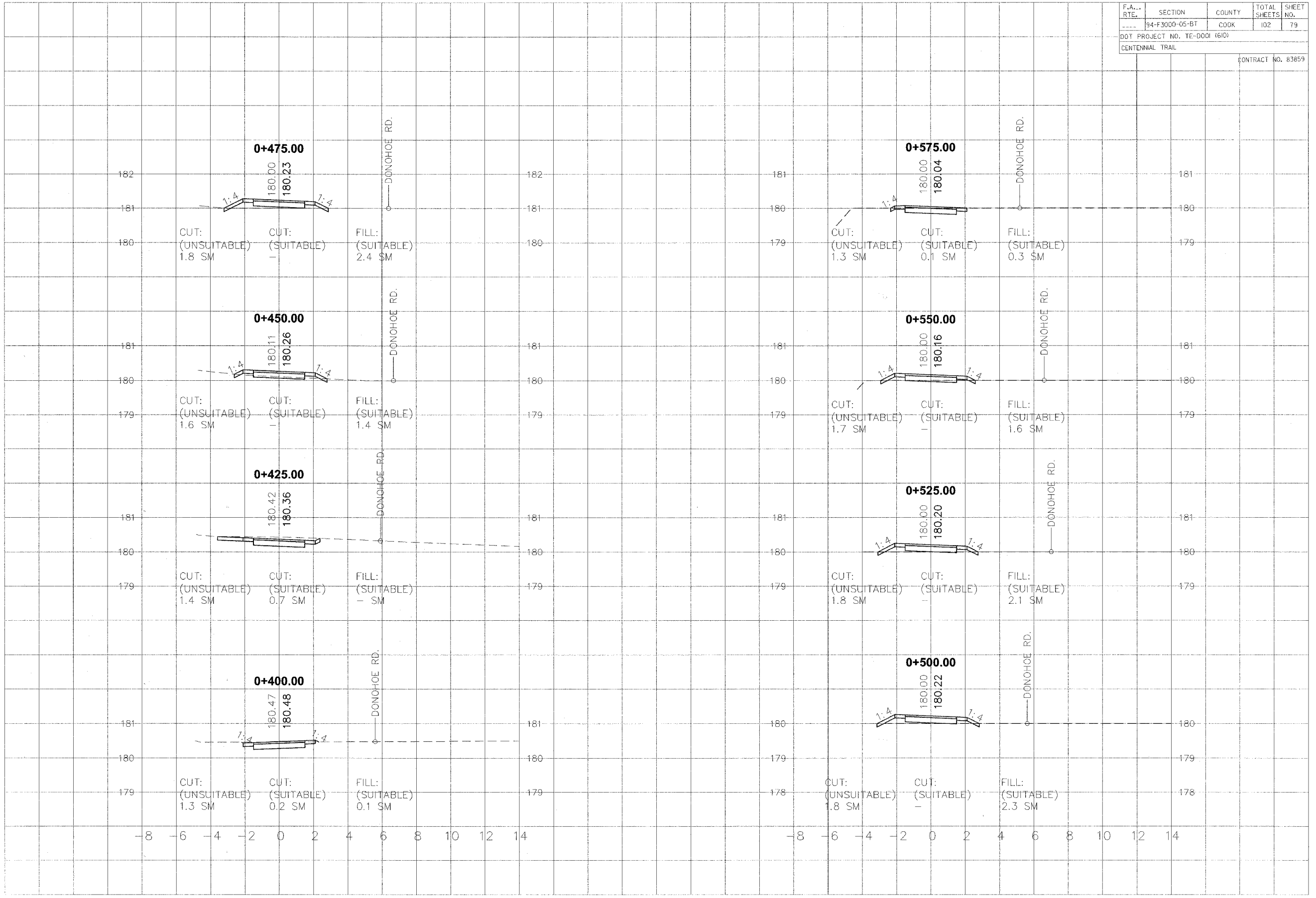




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	79	
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

FINAL SURVEY	DATE
SUBMITTED	BY
PLOTTED	
REPLATE	
NO. AREAS CHECKED	

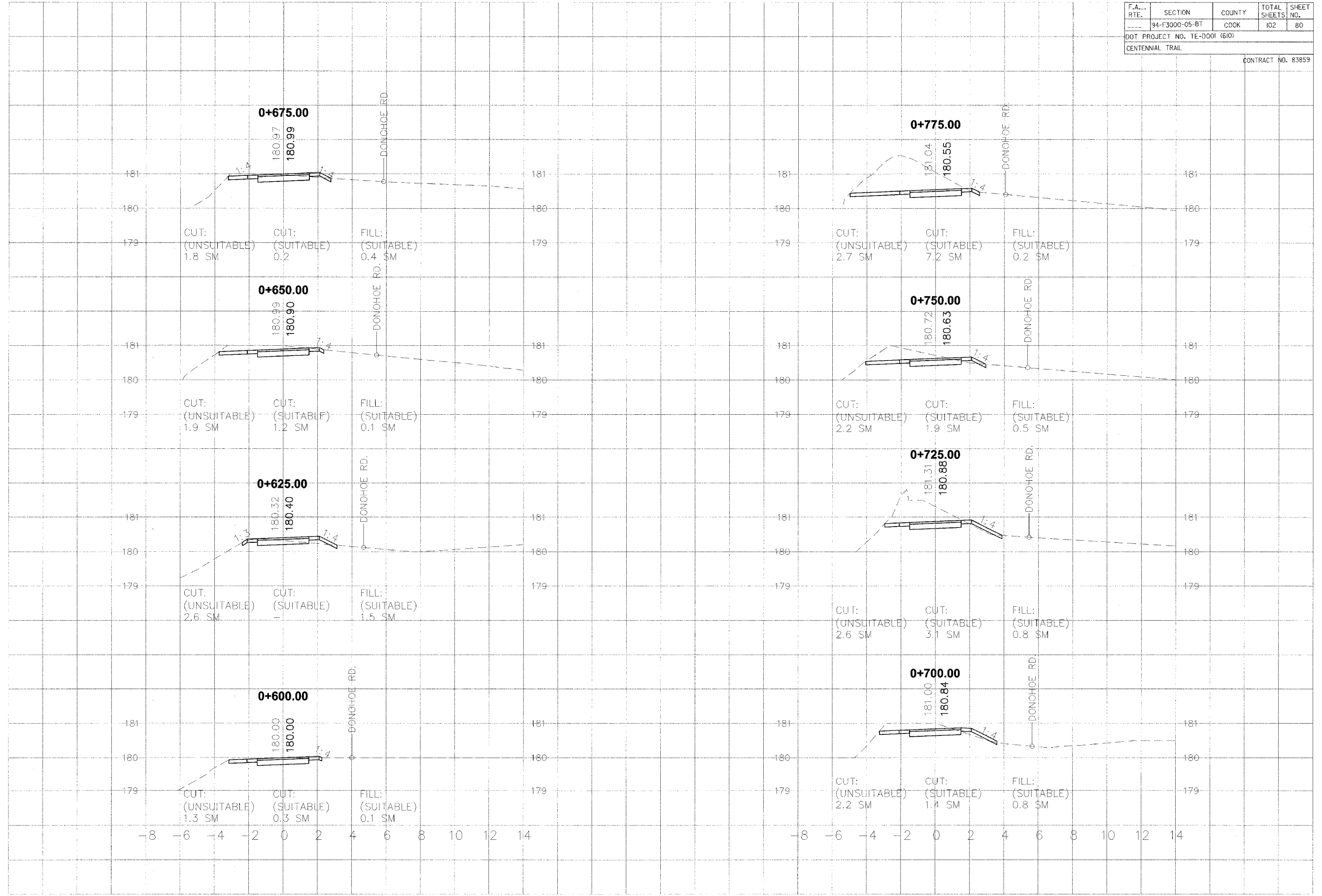
ORIGINAL SURVEY	DATE
SUBMITTED	BY
PLOTTED	
REPLATE	
NO. AREAS CHECKED	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	94-F3000-05-BT	COOK	102	80
DOT PROJECT NO. TE-0001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

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

ORIGINAL SURVEY	DATE
REVISIONS	BY
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
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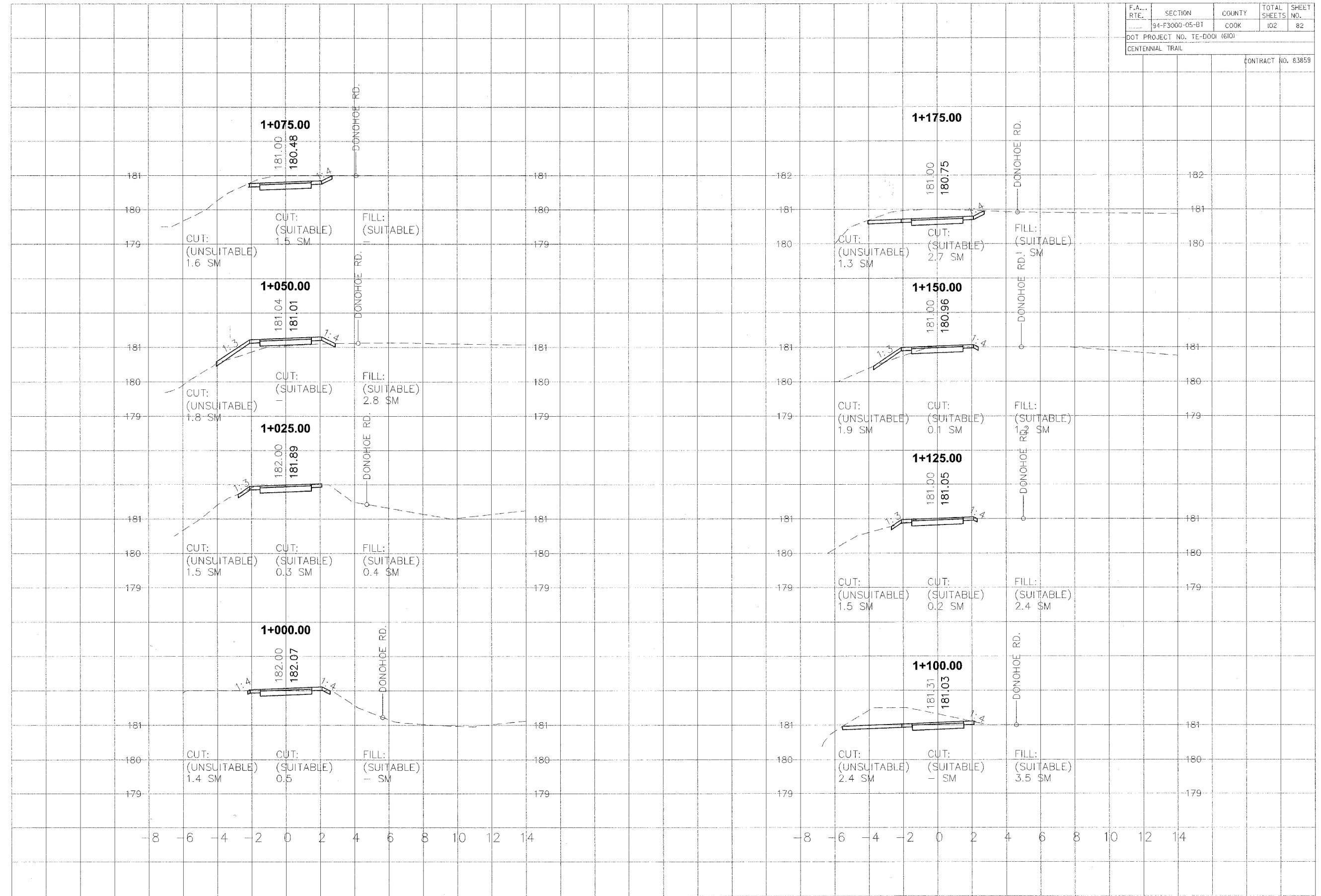




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT		COOK	102	82
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

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

DATE	BY	SAVED
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		NO.

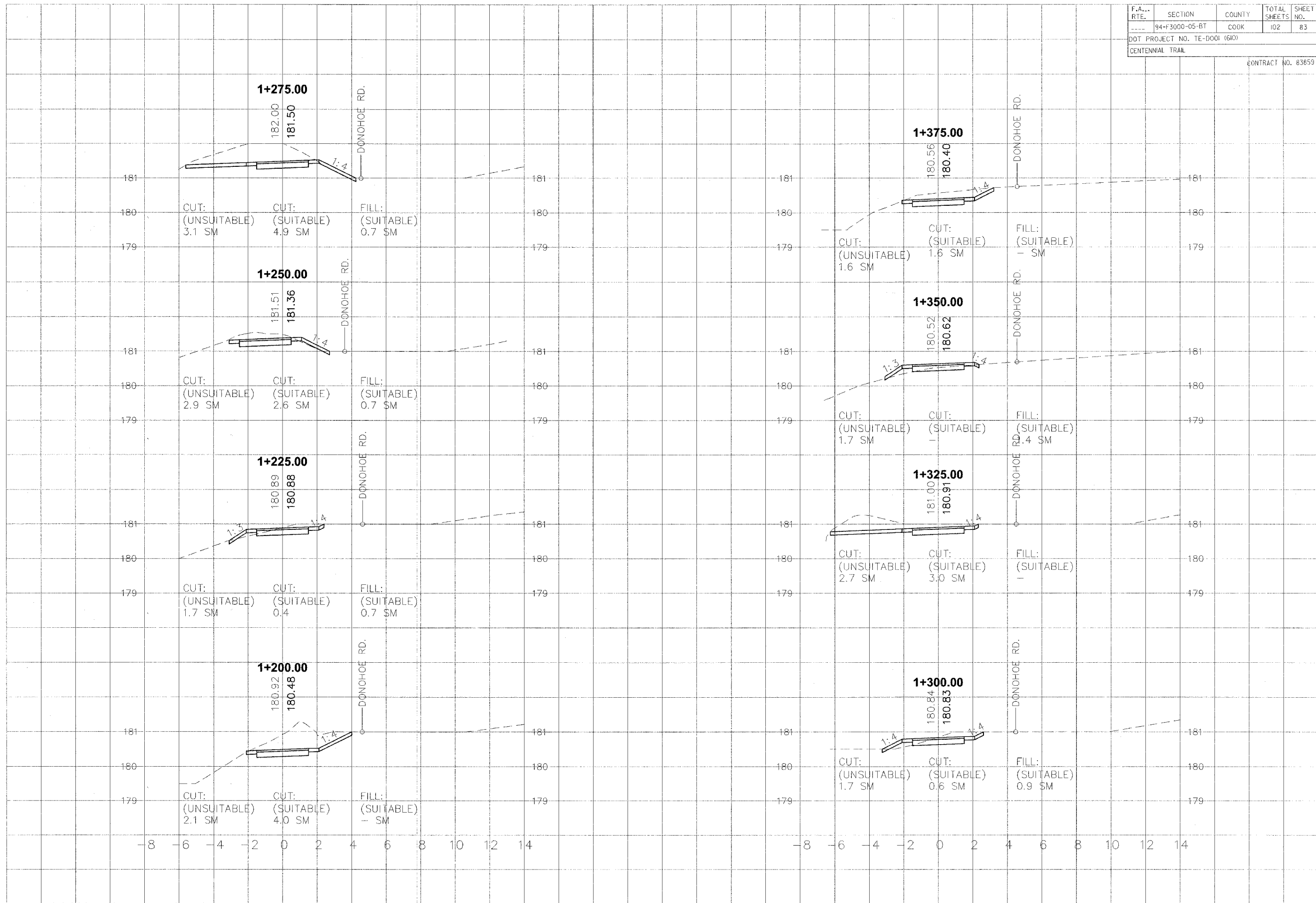




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	94-F3000-05-BT	COOK	102	83
DOT PROJECT NO. TE-DO01 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	BY

DATE	BY











F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	94-F3000-05-BT	COOK	102	88
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
				CONTRACT NO. 83859

DATE	BY

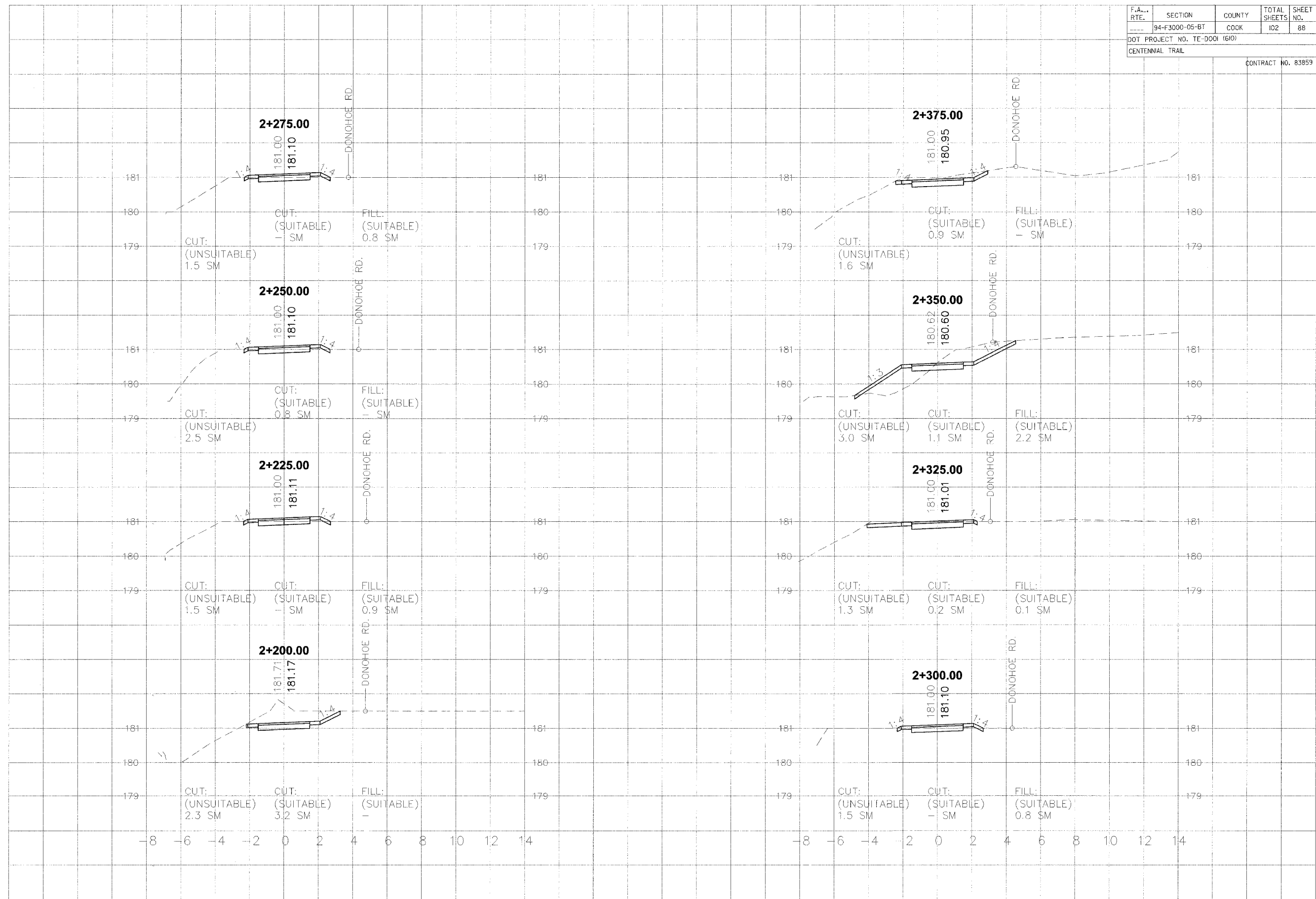
  

DATE	BY

DATE	BY

DATE	BY















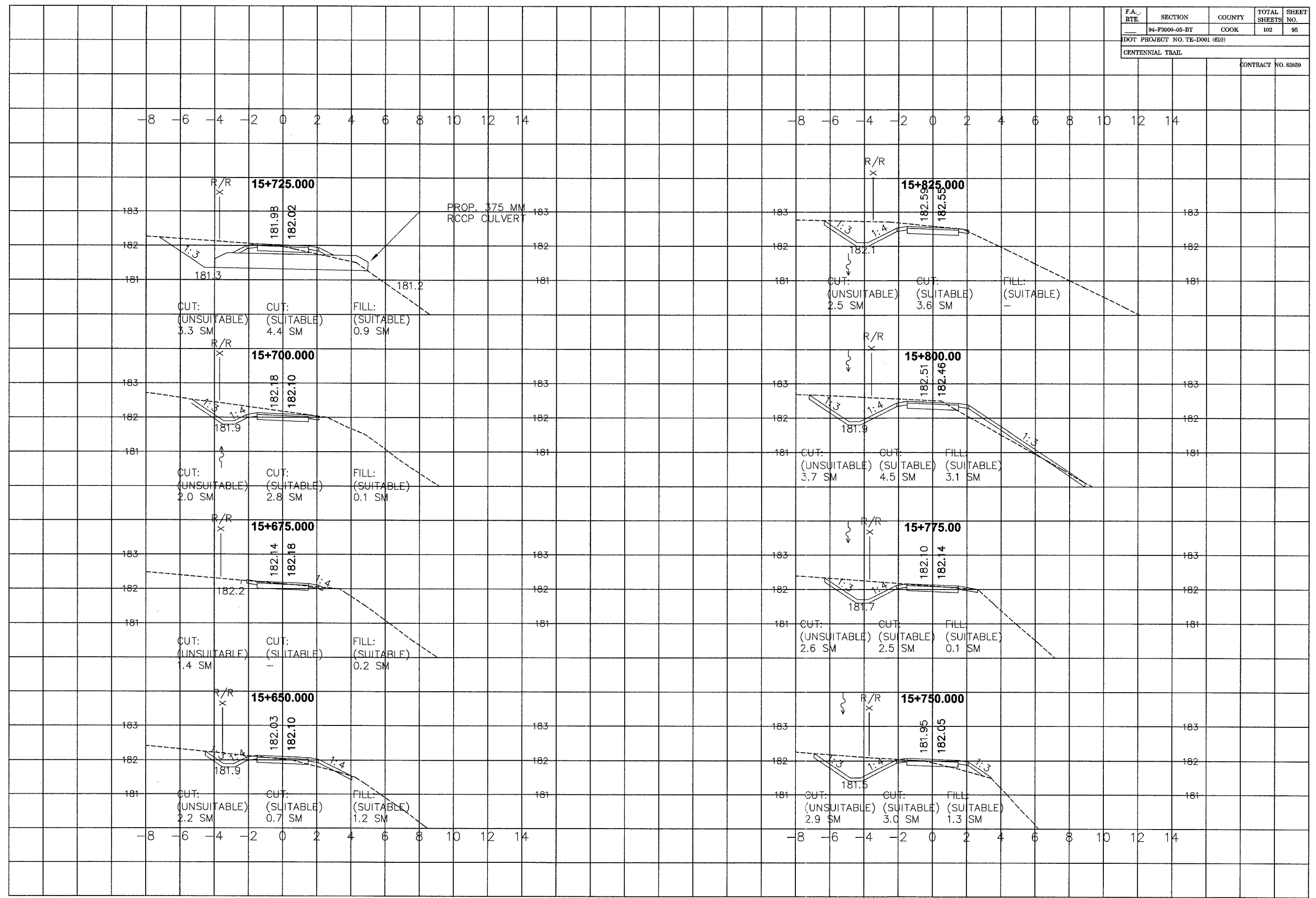




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT		COOK	102	95
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
				CONTRACT NO. 88859

DATE	BY	REVISION

DATE	BY	REVISION



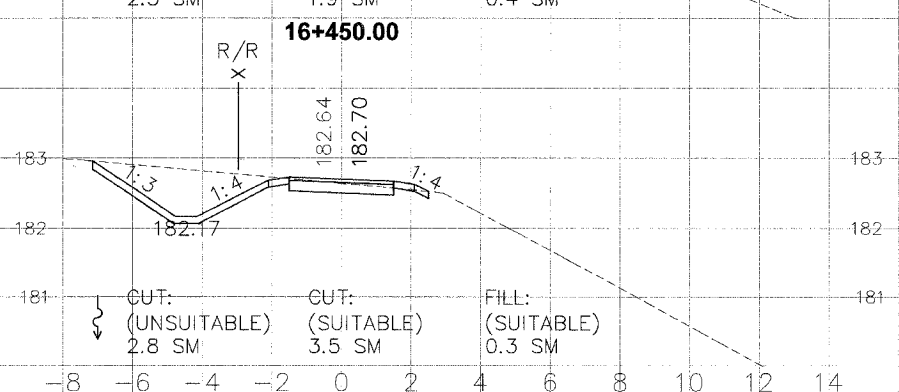
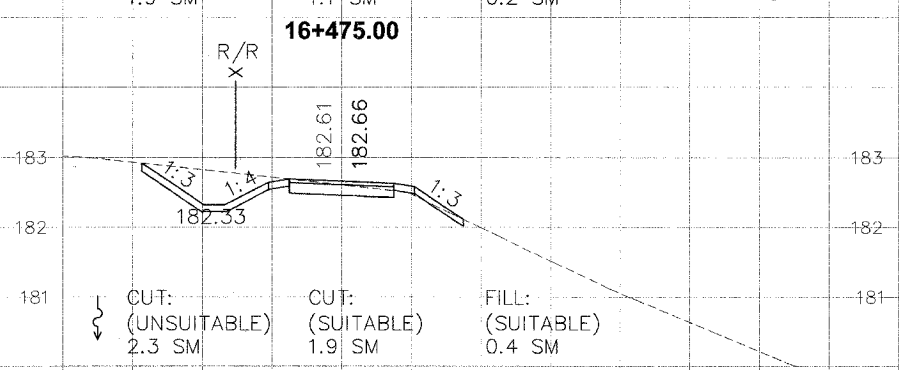
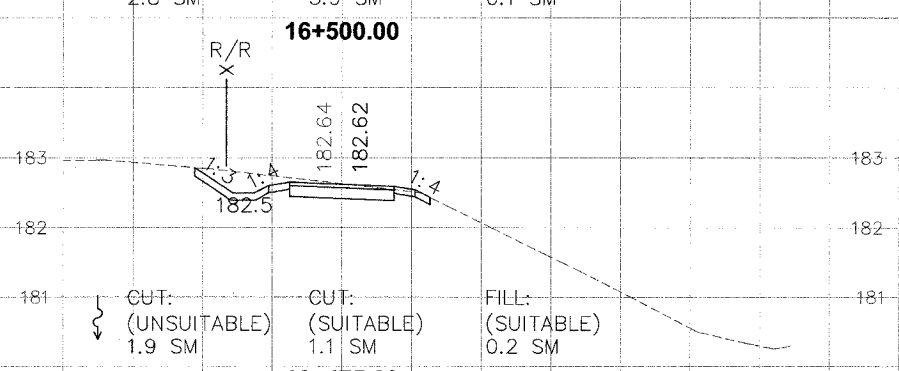
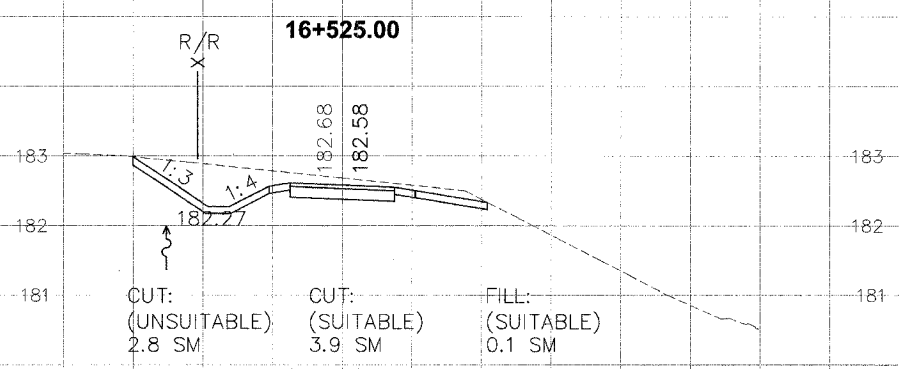




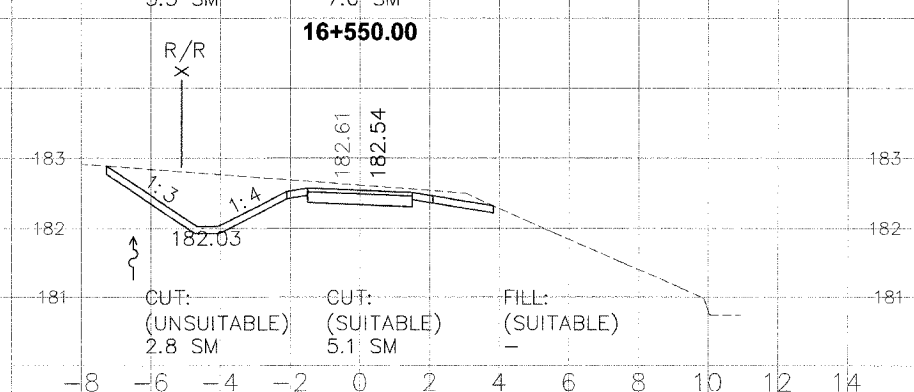
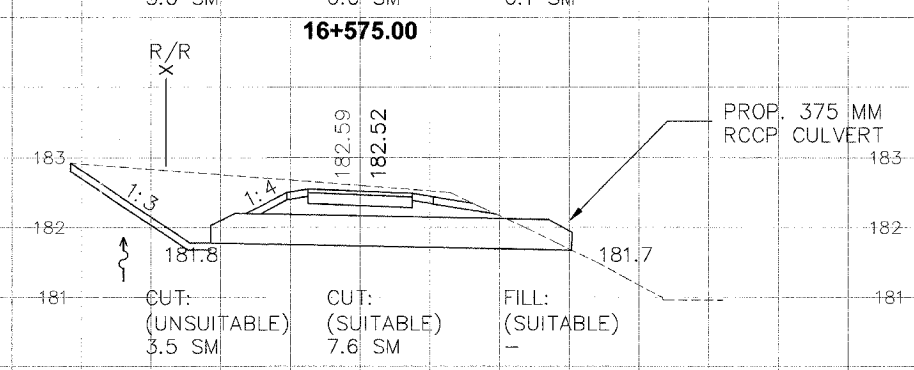
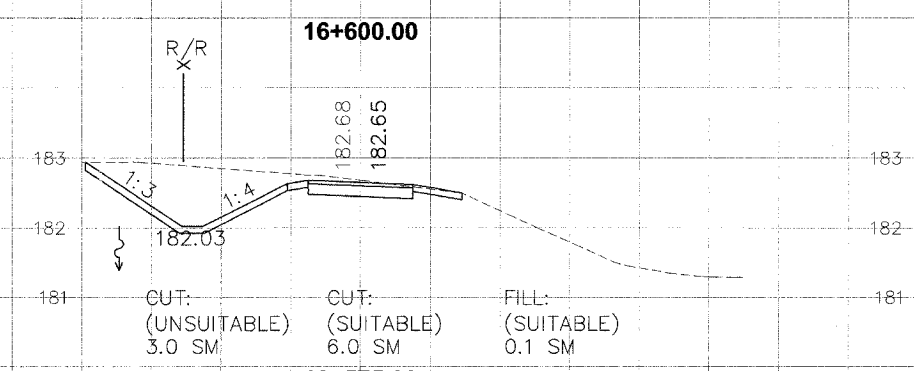
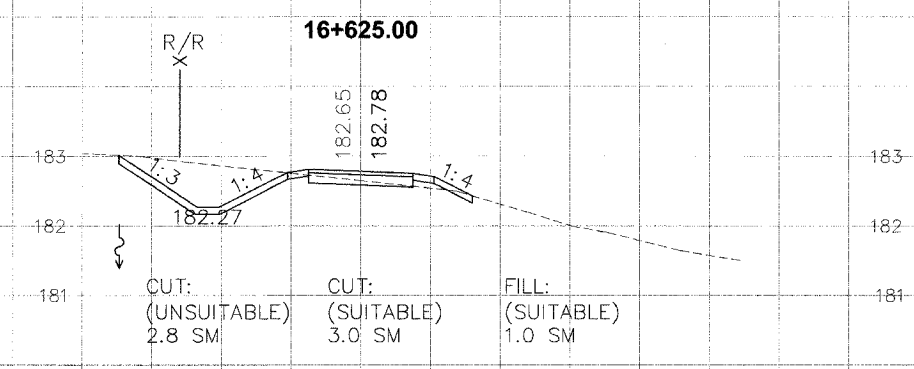


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	99	
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

-8 -6 -4 -2 0 2 4 6 8 10 12 14



-8 -6 -4 -2 0 2 4 6 8 10 12 14



DATE	
BY	
REVISIONS	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVISIONS	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT		COOK	102	100
DOT PROJECT NO. TE-0001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	
BY	
REVIEWED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
REVIEWED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

