

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

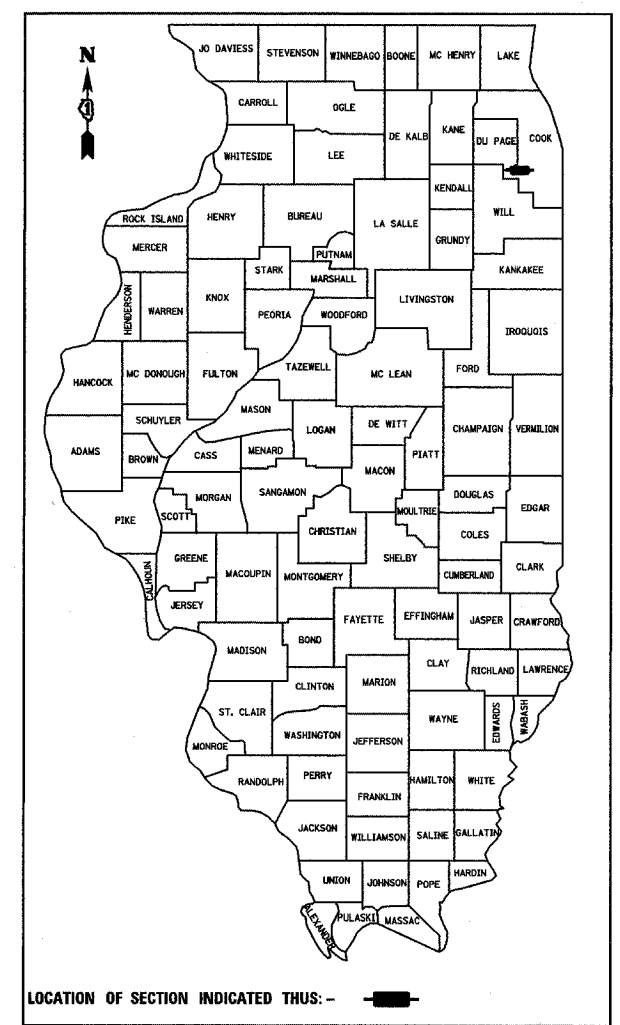
**PLANS FOR PROPOSED
FEDERAL AID PROJECT
CENTENNIAL TRAIL, (COOK COUNTY)
WILL COUNTY LINE TO OLD WILLOW SPRINGS ROAD
BICYCLE TRAIL
SECTION 94-F3000-05-BT
PROJECT ACTE-00D1 (610)
JOB C-91-374-01
FOREST PRESERVE DISTRICT OF COOK COUNTY**

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

CONTRACT NO. 83859
Total Sheets 102-31 = 71 Total Sheets

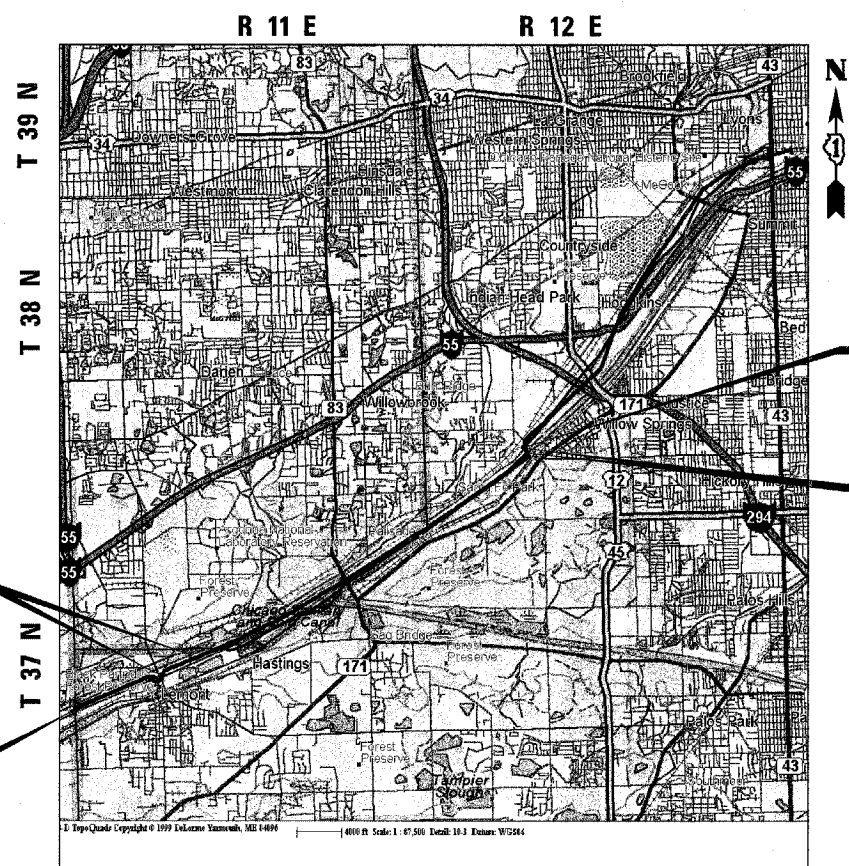
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COOK COUNTY:
STA. 0+000 TO STA. 4+011
STA. 8+335 TO STA. 14+900

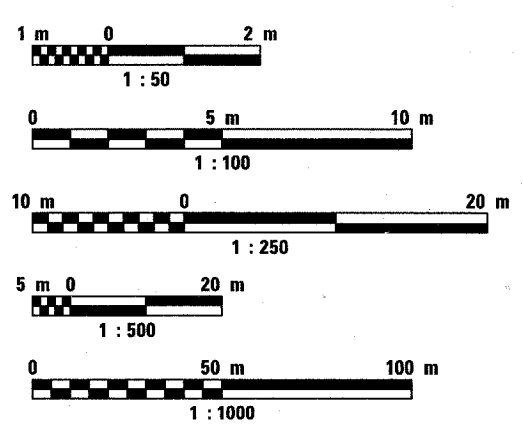
DUPAGE COUNTY:
STA. 4+011 TO STA. 8+335



LOCATION MAP
SCALE 1:20,000

GROSS LENGTH = 14,900 METERS
NET LENGTH = 14,657 METERS

METRIC RATIOS



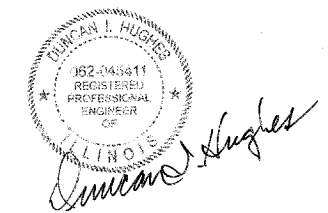
DESIGN DESIGNATION
BIKE PATH

DESIGN SPEED LIMIT
20 MPH

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



11/30/2007 DATE: 2/22/2007
Expires

AGENCY RESPONSIBLE FOR LETTING

APPROVED FEBRUARY 23 2007
Allen Mills
FOREST PRESERVE DISTRICT OF COOK COUNTY

PASSED FEBRUARY 28 2007
John Christopher Hill
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW FEBRUARY 28 2007
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.

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-D001 (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

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	30	20	10
M2010110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	300	200	100
M2010210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	600	400	200
M2020010	EARTH EXCAVATION	CU M	4,304	4,304	0
M2020020	ROCK EXCAVATION	CU M	14	14	0
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	17,188	12,954	4,234
M2040800	FURNISHED EXCAVATION	CU M	5,049	2,697	2,352
M2070420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU M	2,866	2,160	706
M2080150	TRENCH BACKFILL	CU M	13	13	0
M2101000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ M	44,068	30,028	14,040
M2113150	TOPSOIL FURNISH AND PLACE, 150 MM	SQ M	40,010	27,530	12,480
* M2500115	SEEDING, CLASS 1B	HA	1.47	1.00	0.47
* M2500300	SEEDING, CLASS 3	HA	0.04	0.04	0.00
* M2500312	SEEDING, CLASS 4A	HA	2.51	1.73	0.78
* M2500400	NITROGEN FERTILIZER NUTRIENT	KG	353	228	125
* M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	353	228	125
* M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	353	228	125
M2510630	EROSION CONTROL BLANKET	SQ M	40,010	27,530	12,480
M2520200	SUPPLEMENTAL WATERING	UNIT	60	40	20
28000300	TEMPORARY DITCH CHECKS	EACH	2	2	0
M2800400	PERIMETER EROSION BARRIER	METER	9,590	6,440	3,150
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	39,380	27,680	11,700
M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	87,110	57,150	29,960
M4205200	PROTECTIVE COAT	SQ M	24	18	6
M4240150	PORTLAND CEMENT CONCRETE SIDEWALK 150MM	SQ M	24	18	6
M4248000	DETECTABLE WARNINGS	SQ M	8	6	2
M4402000	PAVEMENT REMOVAL	SQ M	29	29	0
M4812000	AGGREGATE SHOULDERS, TYPE B	M TON	631	295	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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	4
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
M6330440	RUB RAIL	METER	64	64	0
63400105	GUARD POSTS	EACH	402	402	0
* M6641920	CHAIN LINK FENCE REMOVAL	METER	7	7	0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	10	8	2
67100100	MOBILIZATION	L SUM	1	70%	30%
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	12.6	11.7	0.9
M7200205	SIGN PANEL - TYPE 2 (SPECIAL)	SQ M	1.2	1.2	0.0
M7290100	METAL POST - TYPE A	METER	129	119	10
* M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	20	20	0
* M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	44	42	2
* M7800205	PAINT PAVEMENT MARKING - LINE 100MM	METER	13,099	9,202	3,897
* M7800800	PERMANENT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	10	8	2
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	0
M542H020	PIPE CULVERTS, CLASS A, TYPE 1 300MM	METER	13	13	0
* A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	15	15	0
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	15	15	0
* K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L3UM	1	70%	30%
X0321322	DROP GATE	EACH	1	0	1
XX006669	DROP GATE, SPECIAL	EACH	4	4	0
MX032529	SEGMENTAL CONCRETE BLOCK WALL	SQ M	35	35	0
MX032639	WEED CONTROL, TEASEL	LITER	6	4	2
M4063310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	M TON	4,959	3,485	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	1	1	0

* INDICATES SPECIALTY ITEMS

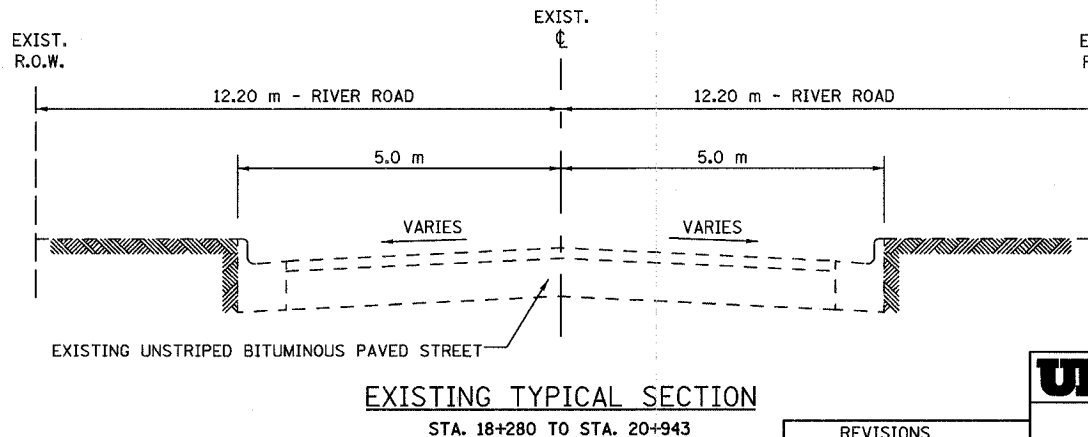
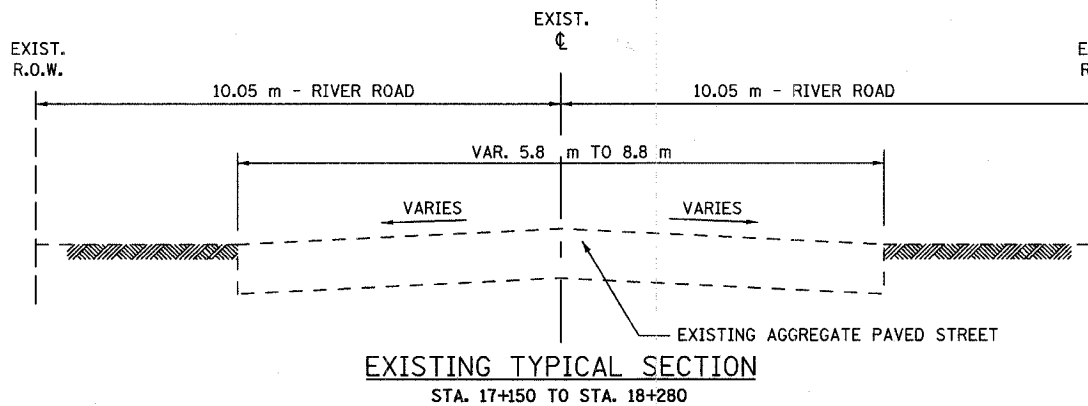
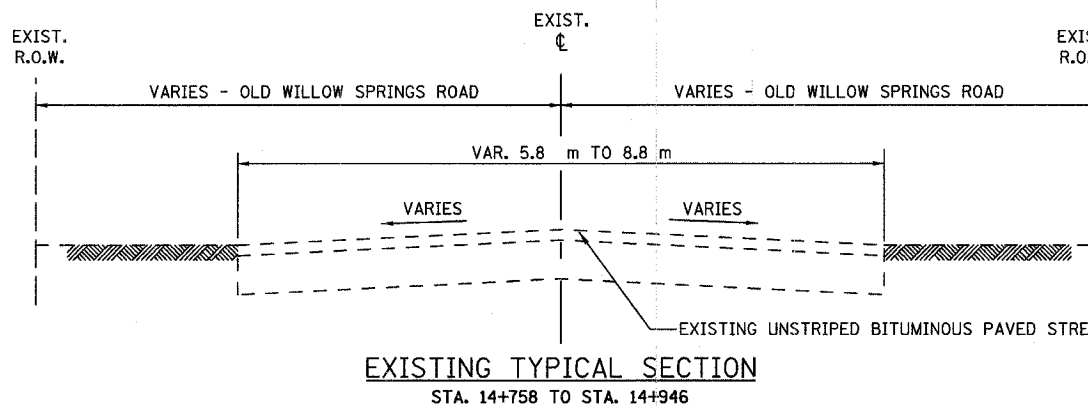
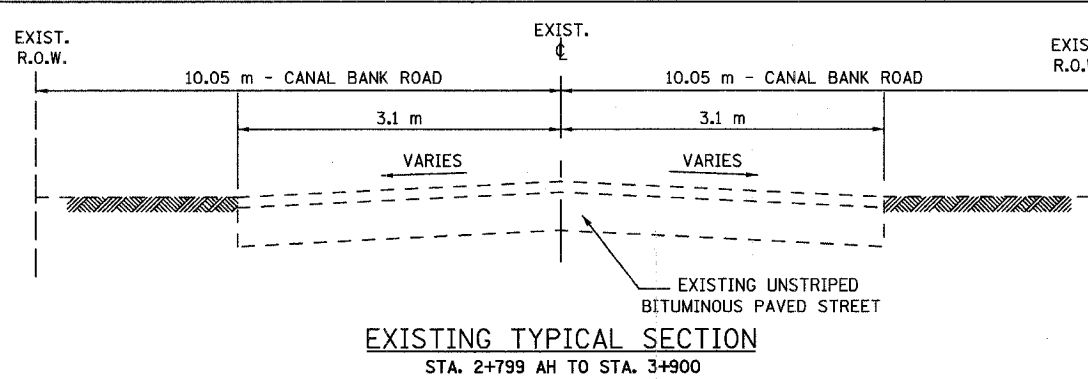
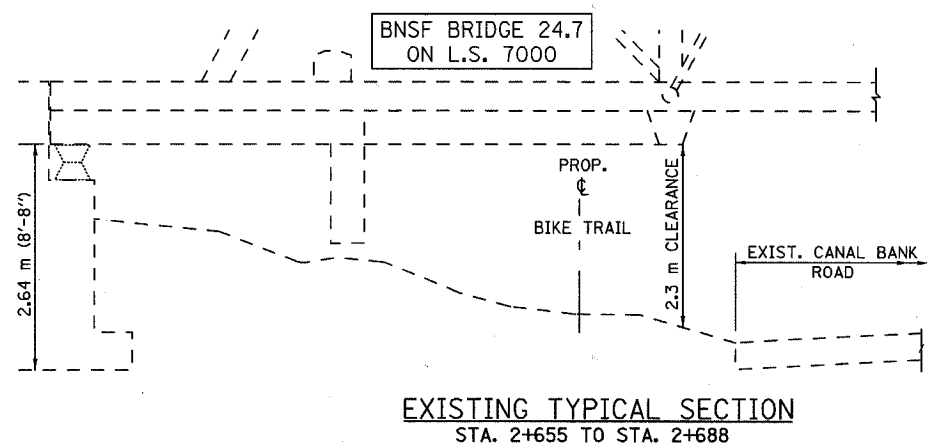
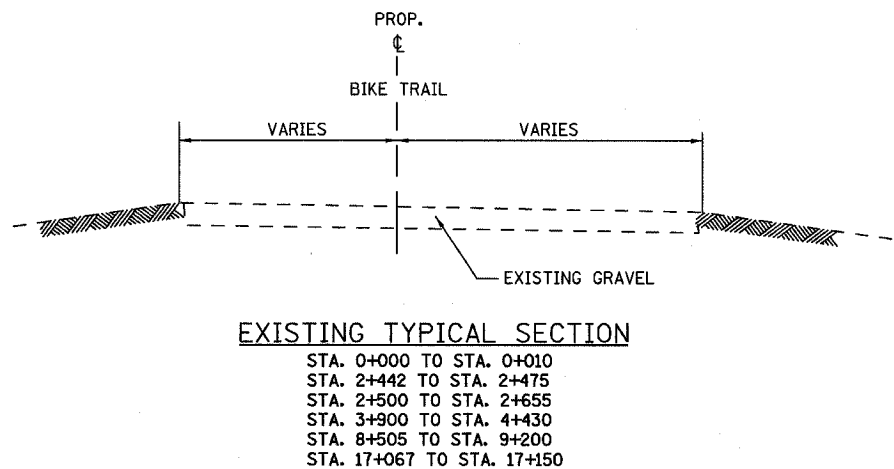
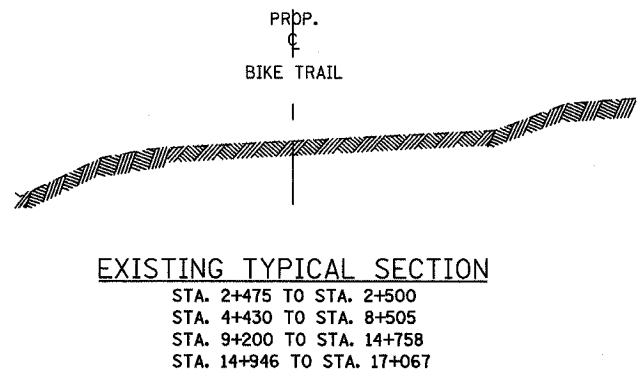
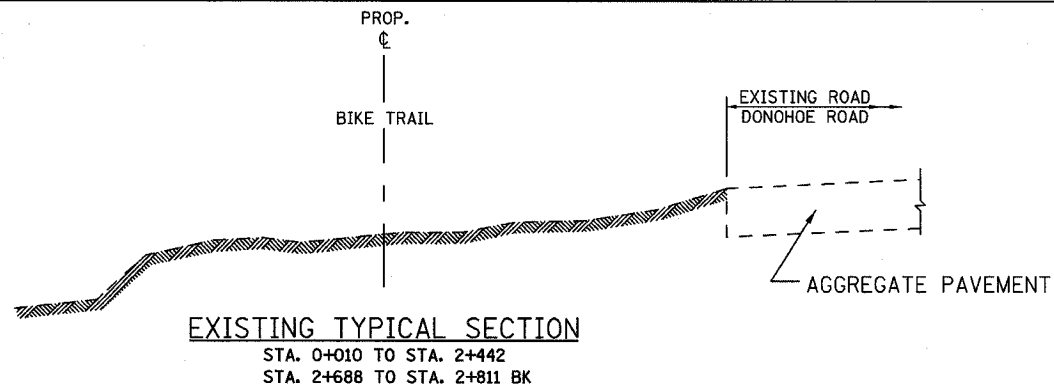
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NO.	NAME	DATE

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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
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NO.	NAME	DATE

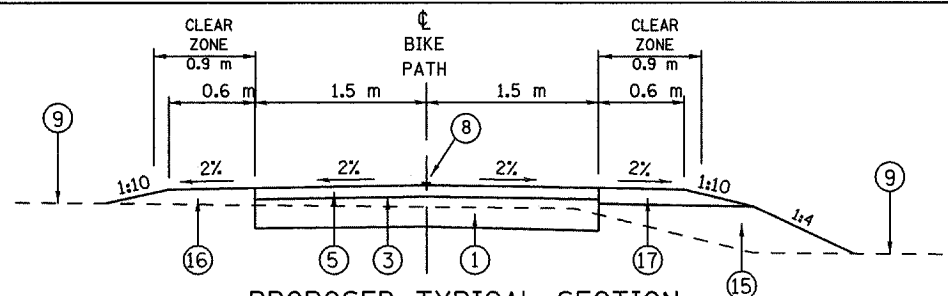
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FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL
 EXISTING
 TYPICAL SECTIONS

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

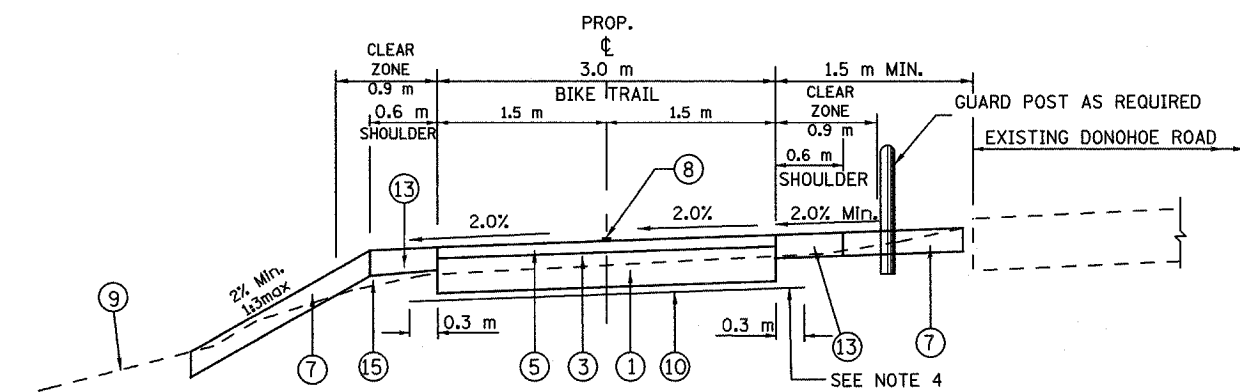
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94-F3000-05-BT	COOK	102	6
STA. TO STA.		PROJECT NO. TE-D001 (610)	
CENTENNIAL TRAIL			

CONTRACT NO. 83859



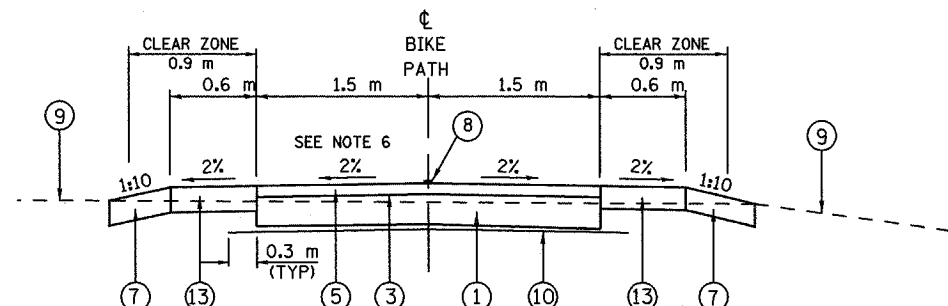
PROPOSED TYPICAL SECTION

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



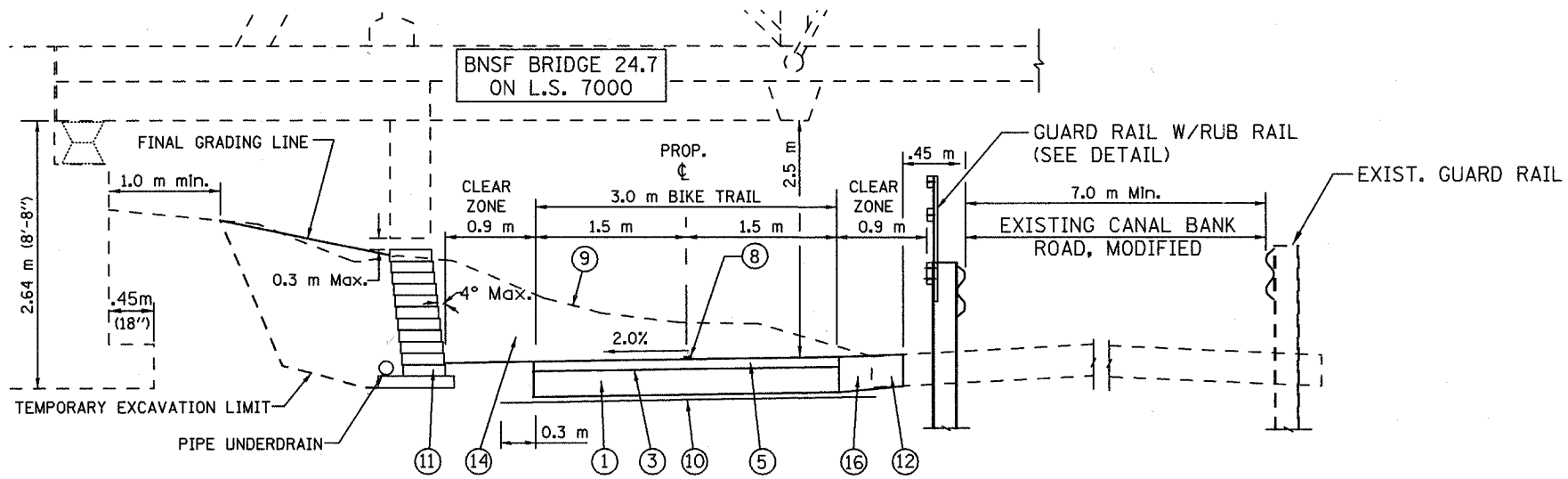
PROPOSED TYPICAL SECTION

STA. 0+010 TO STA. 2+442
 STA. 2+688 TO STA. 2+811 BK = STA. 2+799 AH



PROPOSED TYPICAL SECTION

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



PROPOSED TYPICAL SECTION

STA. 2+655 TO STA. 2+688

NOTE:
 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.

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.

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.

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 CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL
 PROPOSED
 TYPICAL SECTIONS

REVISIONS		
NO.	NAME	DATE

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	7
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

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:

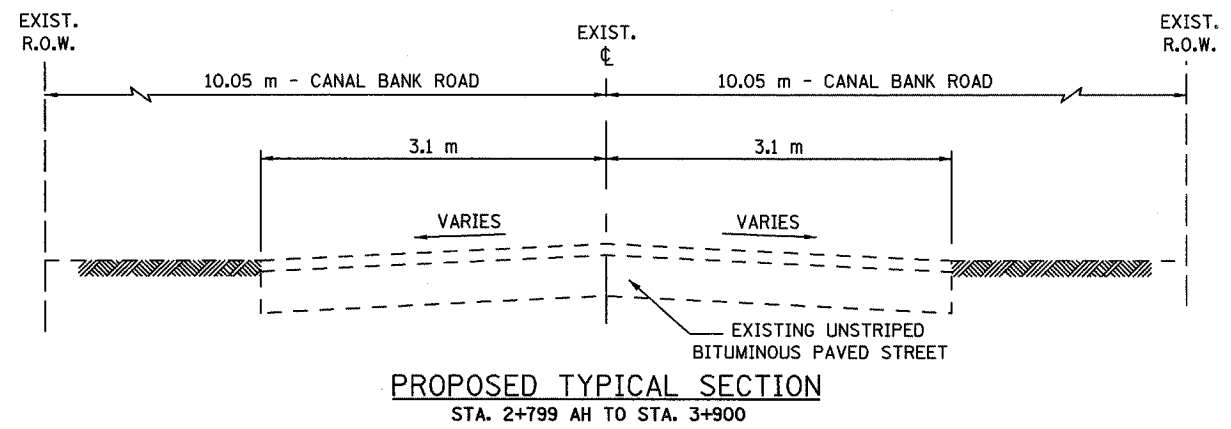
ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

NOTE 5:

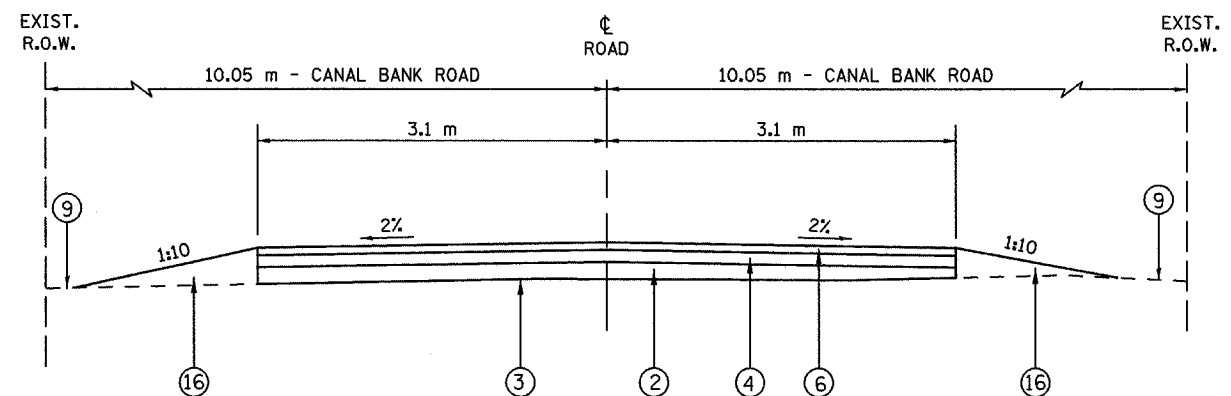
AT ALL INTERSECTIONS OF BIKE PATH AND STREETS/DRIVEWAYS DEPRESS THE CURB (IF APPLICABLE) AND KEEP EXISTING PAVEMENT ELEVATIONS.

NOTE 6:

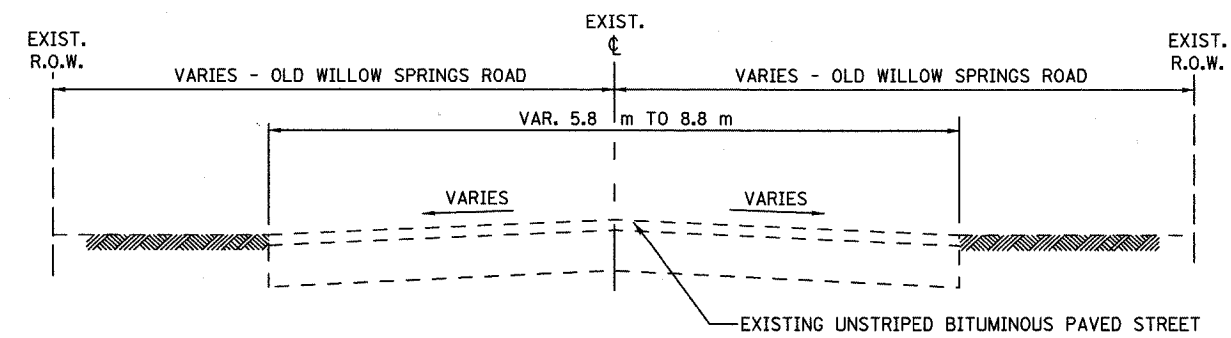
IN AREAS OF PRONOUNCED GROUND CROSS SLOPE CONTRACTOR SHALL CONSTRUCT A CONSTANT (SUPER-ELEVATED) TRAIL CROSS SLOPE OF 2% IN THE DIRECTION OF GROUND SLOPE.



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+900

REVISIONS		
NO.	NAME	DATE

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FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL
PROPOSED
TYPICAL SECTIONS

DATE: 10/20/06 DRAWN BY: VAP
DESIGNED BY: 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-D001 (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	3.650
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
							TOTAL		6.615		65.650

REVISIONS		
NO.	NAME	DATE

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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	10
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

TRAIL SIGNS

STATION	RT / LT	MESSAGE	MUTCD CODE	WIDTH (MM)	DEPTH (MM)	AREA (SQ M)	POST TYPE A or S (Shared)	Type A POST LENGTH (M)
0+018	RT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
2+420	LT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
2+422	RT	STOP	R1-1	450	450	0.203	A	3.050
2+434	LT	STOP	R1-1	450	450	0.203	A	3.050
2+434	RT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
2+485	RT	Intersection Warning	W2-1	450	450	0.203	A	3.050
2+487	LT	Curve Warning, left	W1-12L	450	450	0.203	A	3.050
2+498	LT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
2+510	RT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
2+523	LT	Intersection Warning	W2-1	450	450	0.203	A	3.050
2+640	RT	Curve Warning, shallow left	W1-2	450	450	0.203	A	3.050
2+725	LT	Curve Warning, shallow right	W1-2	450	450	0.203	A	3.050
2+803 BK	LT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
2+805 BK	RT	STOP	R1-1	450	450	0.203	A	3.050
4+436	RT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
4+437	LT	STOP	R1-1	450	450	0.203	A	3.050
8+522	RT	TO	M4-13	300	100	0.030	A	3.300
8+522	RT	BIKE ROUTE	D11-1	600	450	0.270	S	0.000
8+522	RT	<-- I&M CANAL TRAIL (special)	D1-1b(L)	600	150	0.090	S	0.000
8+527	RT	BIKE ROUTE	D11-1	600	450	0.270	A	3.425
8+527	RT	CENTENNIAL TRAIL (special)	D1-1c	600	150	0.090	S	0.000
8+527	RT	Double Arrow	M7-5	300	225	0.068	S	0.000
8+550	LT	TO	M4-13	300	100	0.030	A	3.300
8+550	LT	BIKE ROUTE	D11-1	600	450	0.270	S	0.000
8+550	LT	I&M CANAL TRAIL --> (special)	D1-1b(R)	600	150	0.090	S	0.000
14+780	LT	NO MOTOR VEHICLES	R5-3	600	600	0.360	A	3.200
				TOTAL		5.910		63.075

EARTHWORK SUMMARY

LOCATION CENTENNIAL TRAIL STAGE 1	SUITABLE EXCAVATION (EARTH EXCAVATION)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE	SUITABLE EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EXCAVATION)	UNSUITABLE EXCAVATION (REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL)	UNSUITABLE EMBANKMENT	UNSUITABLE BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISHED & PLACED 150 MM
STATION TO STATION	CU M	CU M	CU M	CU M	CU M	CU M	CU M	CU M
0+000 TO 2+811	3,887	3,304	2,931	373	5,656	0	5,656	1,380
3+900 TO 4+430	0	0	0	0	0	0	0	0
4+430 TO 8+355	0	0	2,340	-2,340	3,510	0	3,510	1,872
8+355 TO 8+505	0	0	102	-102	153	0	153	82
8+505 TO 9+200	417	355	0	355	0	0	0	0
9+200 TO 14+758	0	0	3,335	-3,335	5,003	0	5,003	2,668
TOTAL	4,304	3,659	8,708	-5,049	14,322	0	14,322	6,002

NOTE: FOR BIDDING PURPOSES REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL IS ESTIMATED AT 120% OF UNSUITABLE EXCAVATION.

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FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL
PROPOSED SIGN SCHEDULE
& EARTHWORK SUMMARY

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

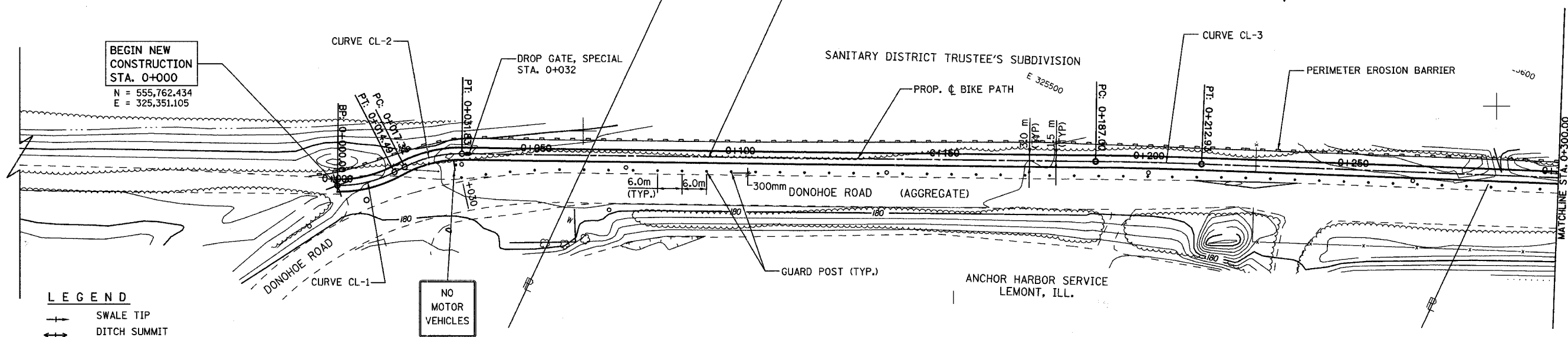
REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	11
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(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

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

PROPOSED BICYCLE TRAIL
 AGGREGATE BASE COURSE, TYPE B, 150 mm
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, NS0, 50mm
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG C)



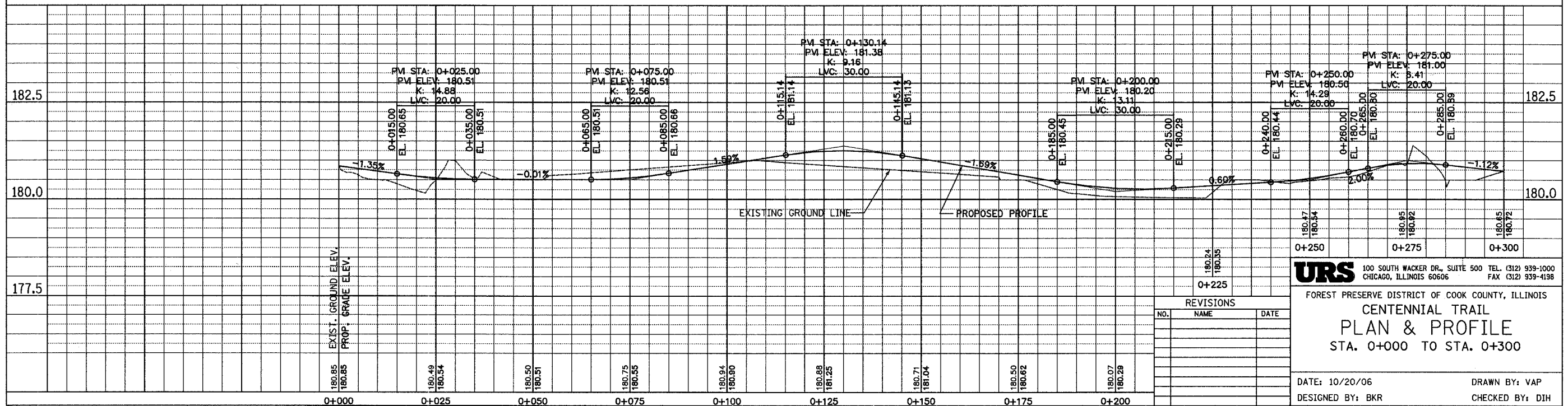
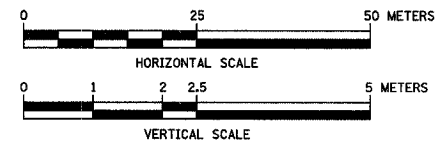
LEGEND

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

NO MOTOR VEHICLES
 R5-3
 600mmX600mm

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



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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: DIH

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

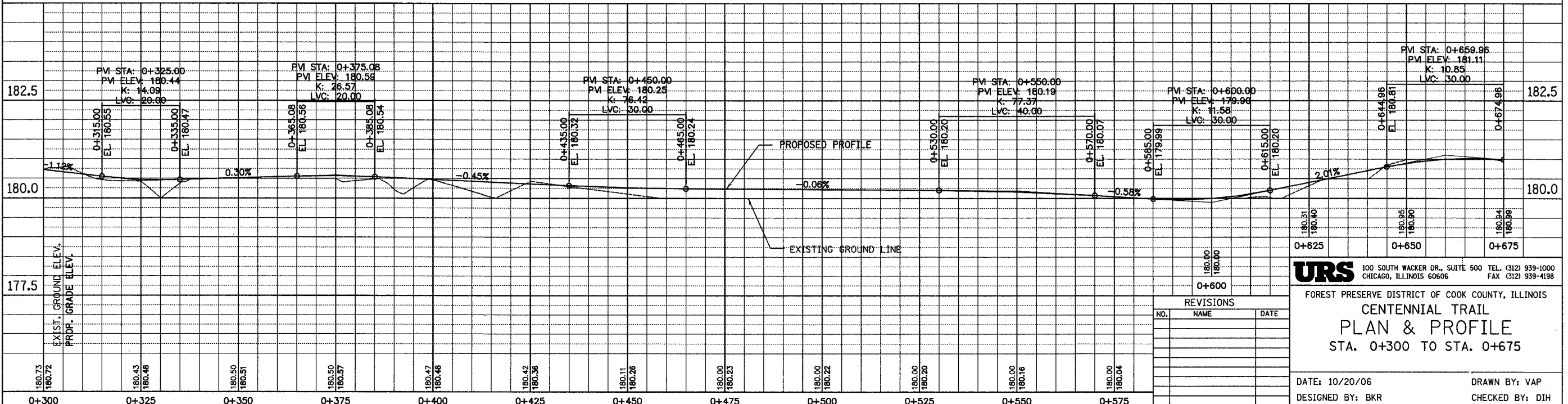
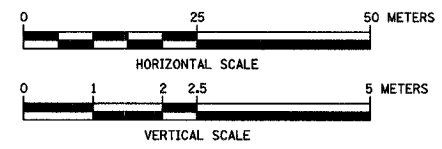
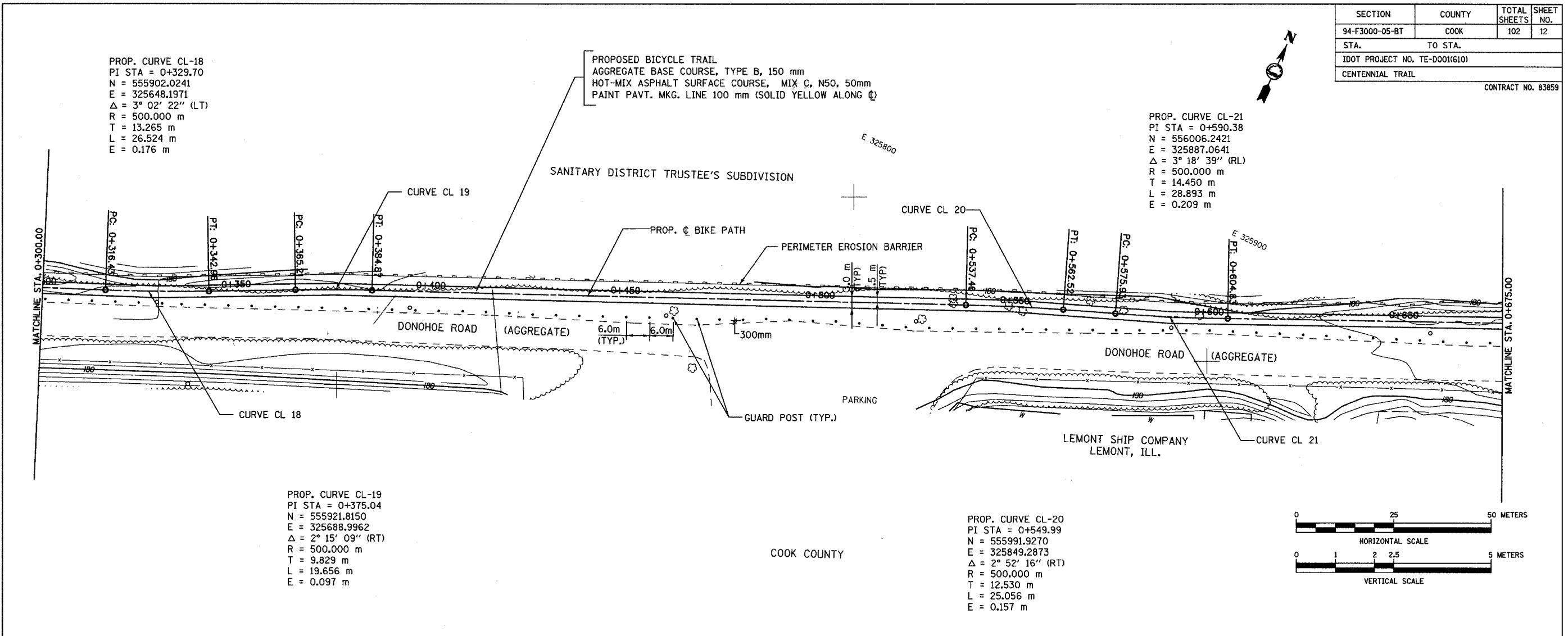
CONTRACT NO. 83859

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
 DESIGNED BY: BKR
 DRAWN BY: VAP
 CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	13
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

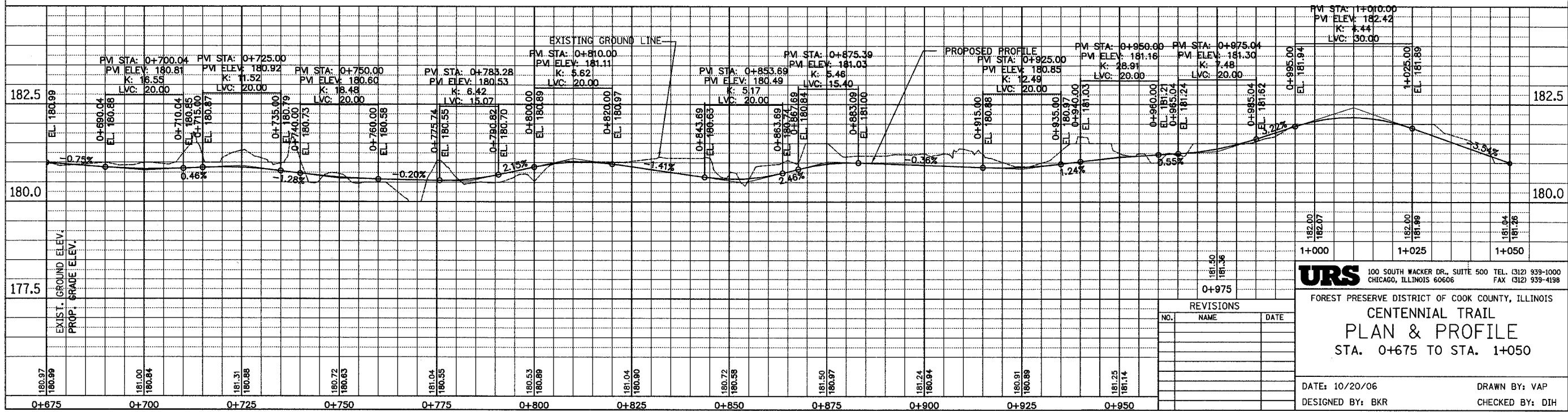
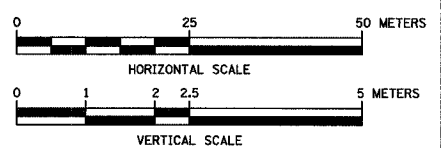
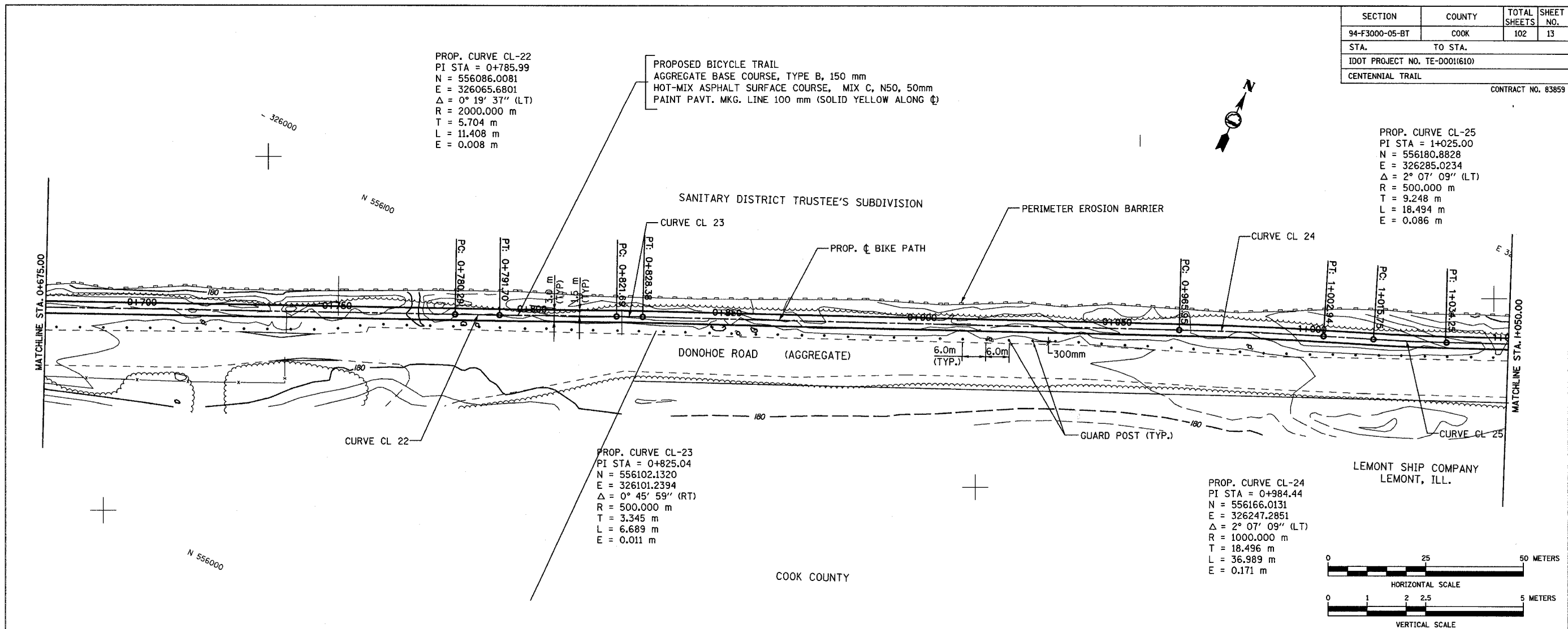
PROP. CURVE CL-22
 PI STA = 0+785.99
 N = 556086.0081
 E = 326065.6801
 $\Delta = 0^\circ 19' 37''$ (LT)
 R = 2000.000 m
 T = 5.704 m
 L = 11.408 m
 E = 0.008 m

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 ϕ)

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

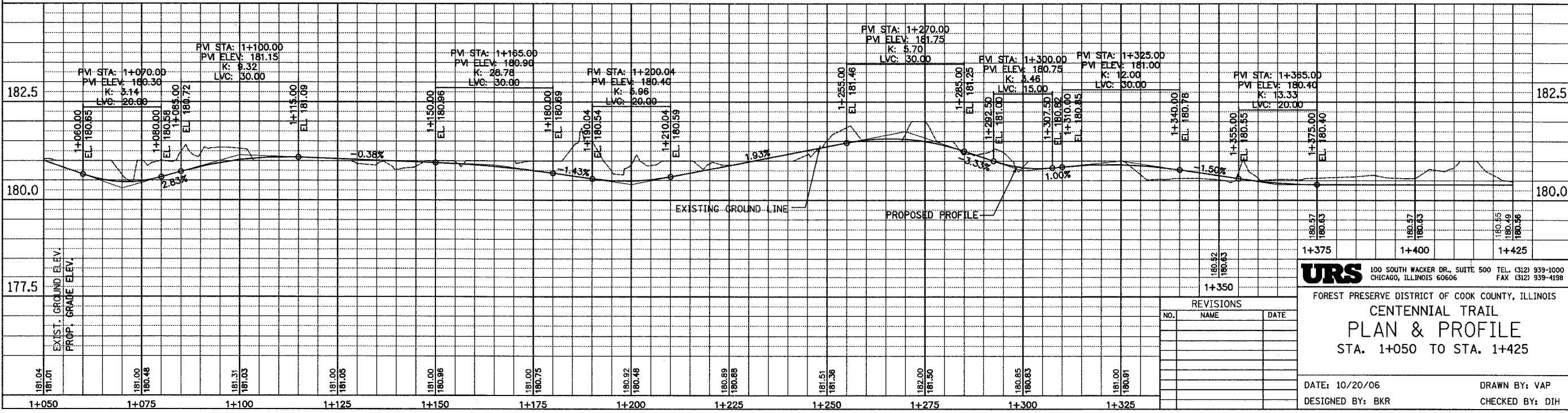
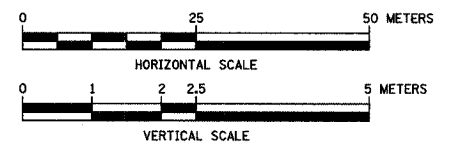
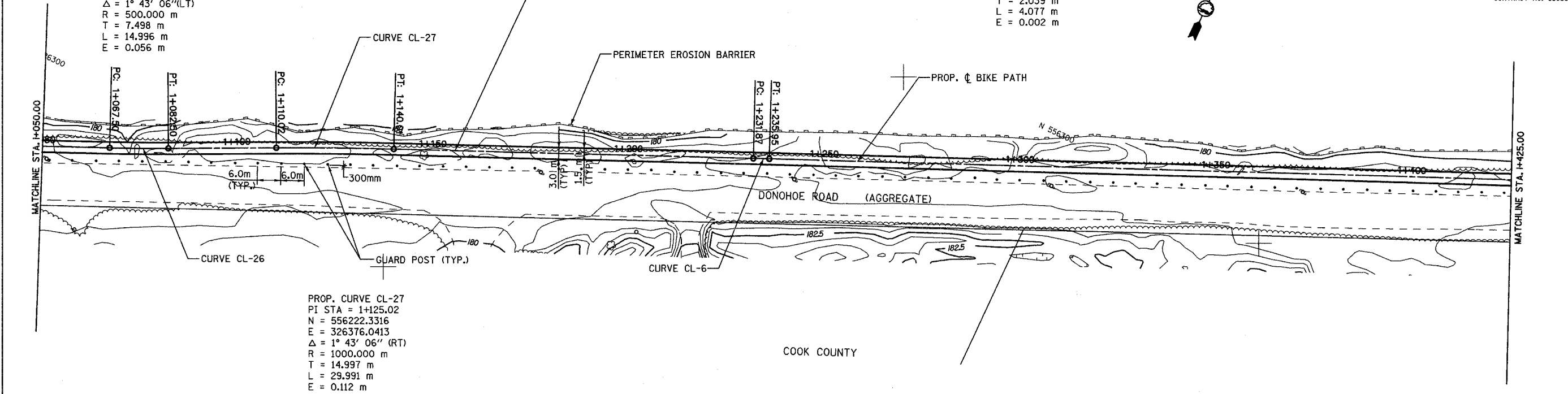
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	14
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

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

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

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 ϕ)



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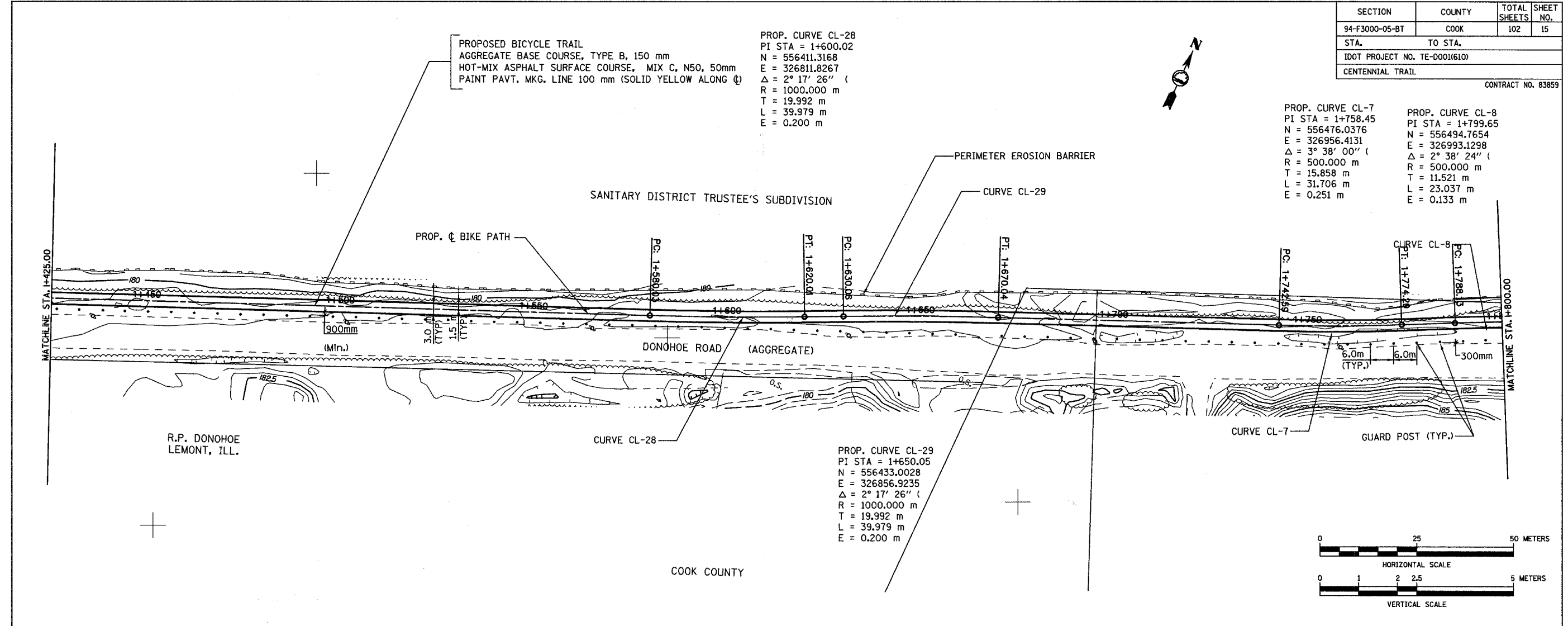
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 1+050 TO STA. 1+425

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-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

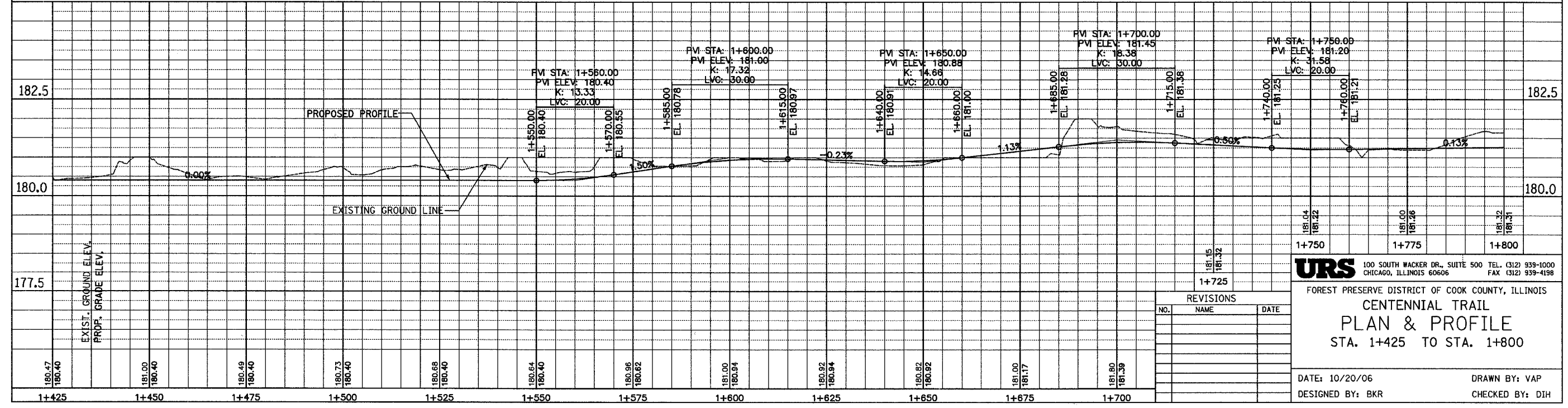
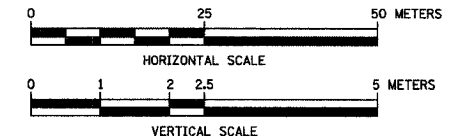


PROP. CURVE CL-7
 PI STA = 1+758.45
 N = 556476.0376
 E = 326956.4131
 $\Delta = 3^\circ 38' 00''$
 R = 500.000 m
 T = 15.858 m
 L = 31.706 m
 E = 0.251 m

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-28
 PI STA = 1+600.02
 N = 556411.3168
 E = 326811.8267
 $\Delta = 2^\circ 17' 26''$
 R = 1000.000 m
 T = 19.992 m
 L = 39.979 m
 E = 0.200 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



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

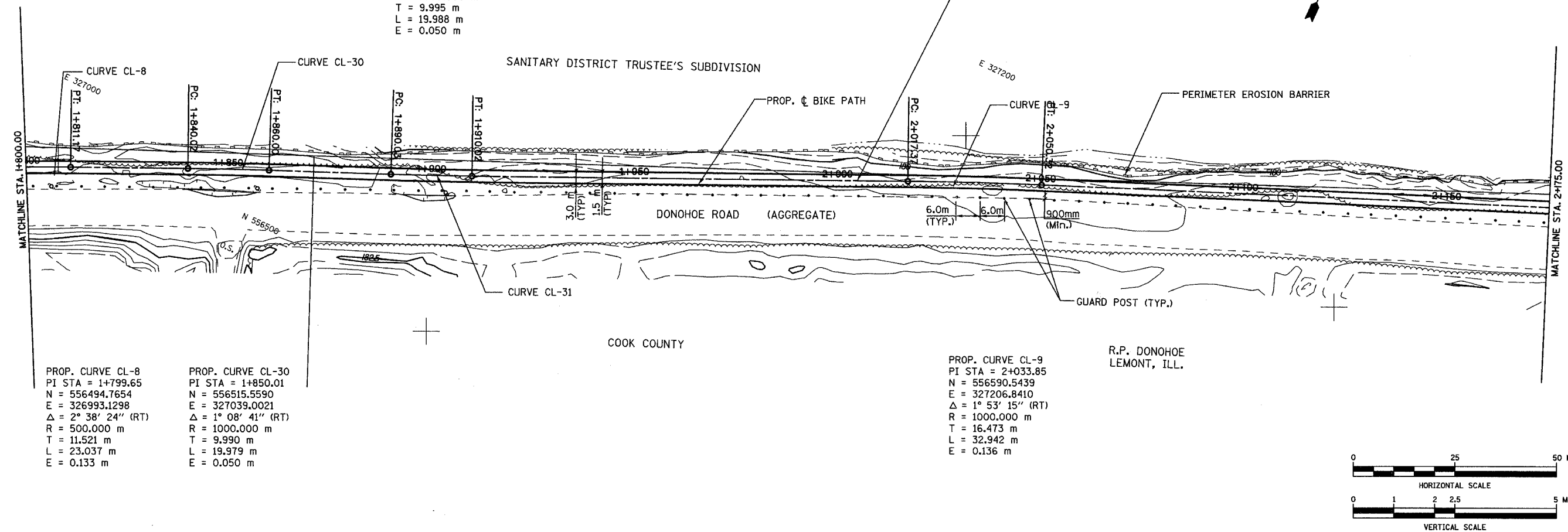
DATE: 10/20/06
 DESIGNED BY: BKR
 DRAWN BY: VAP
 CHECKED BY: DJH

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

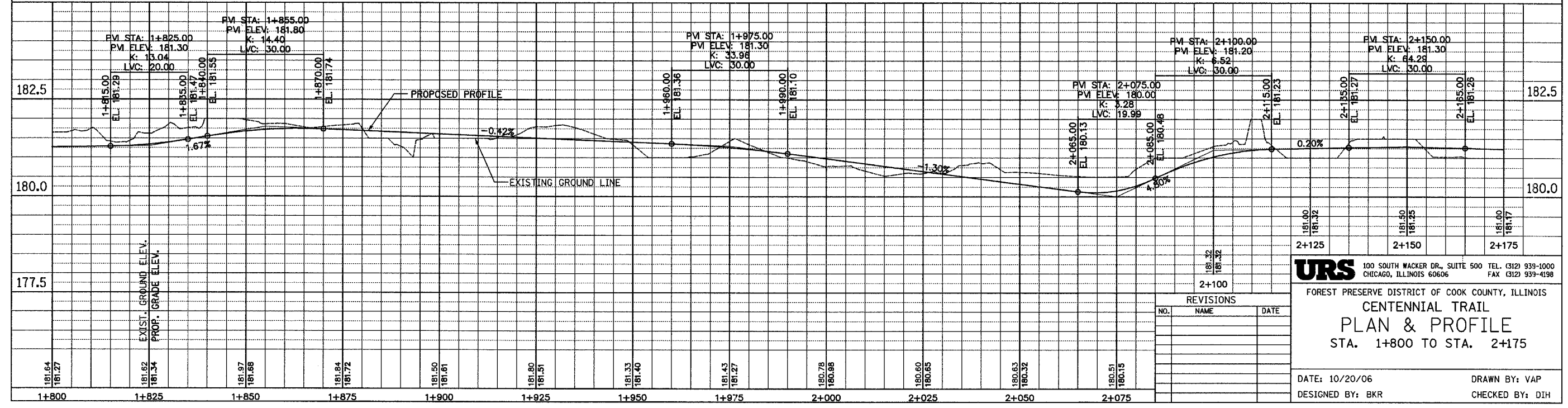
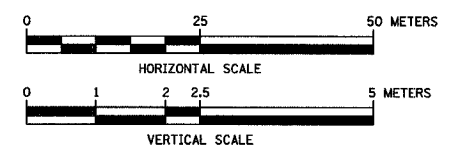
PROPOSED BICYCLE TRAIL
 AGGREGATE BASE COURSE, TYPE B, 150 mm
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG ϕ)



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



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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
 DESIGNED BY: BKR
 DRAWN BY: VAP
 CHECKED BY: DIH

REVISIONS		
NO.	NAME	DATE

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

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

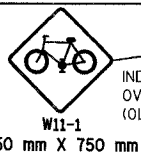
CROSSWALK PAVEMENT MARKING SEE STREET INTERSECTION AND PAVEMENT DETAIL, SHEET 70

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



INDUSTRY ACCESS BRIDGE OVER THE DES PLAINES RIVER (OLD STEPHEN STREET BRIDGE)

STOP 450mmX450mm

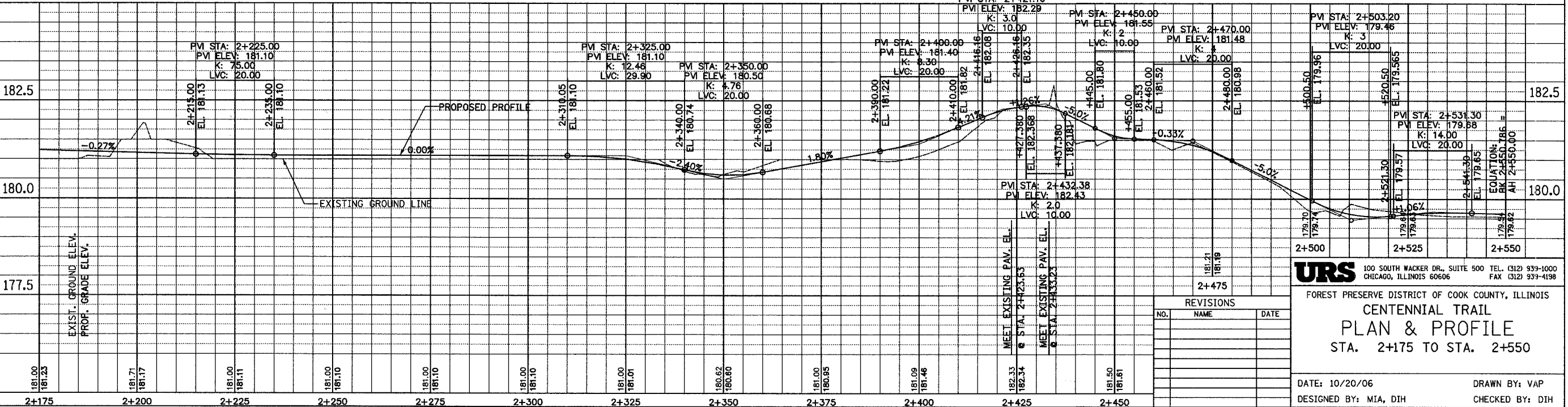
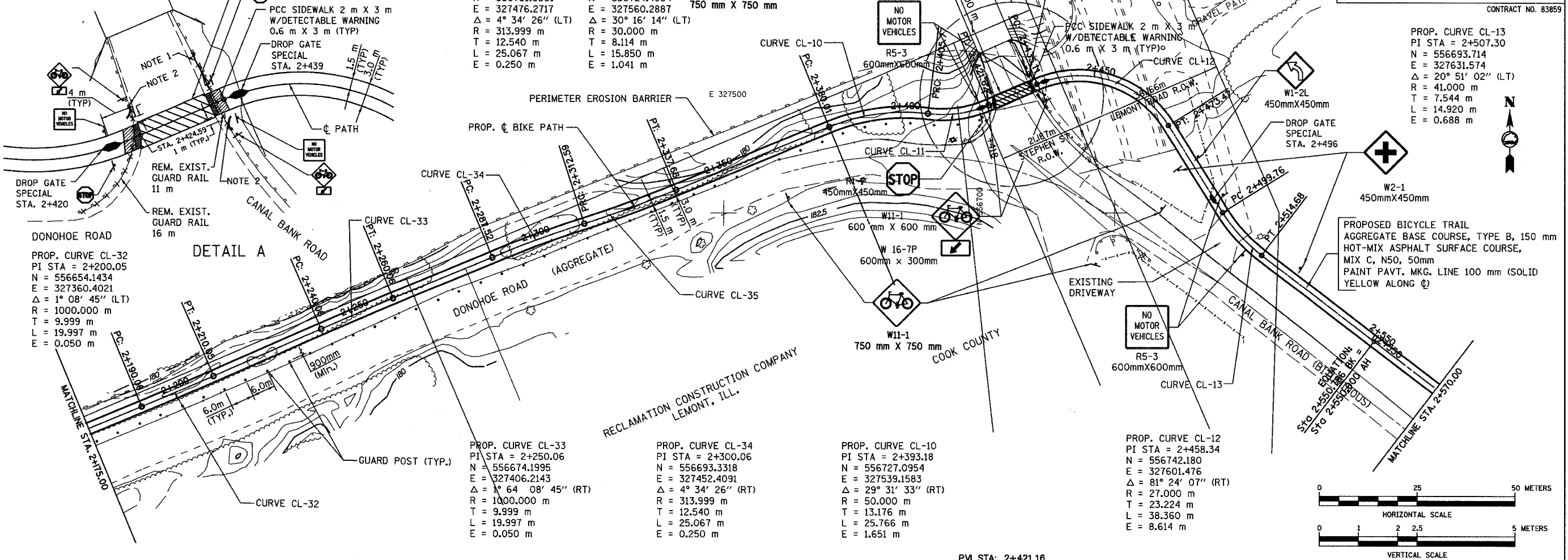
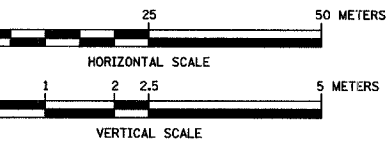
PCC SIDEWALK 2 m X 3 m W/DETECTABLE WARNING 0.6 m X 3 m (TYP)

W1-2L 450mmX450mm

DROP GATE SPECIAL STA. 2+496

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

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 ϕ)



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
STA. 2+175 TO STA. 2+550

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

REVISIONS		
NO.	NAME	DATE

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

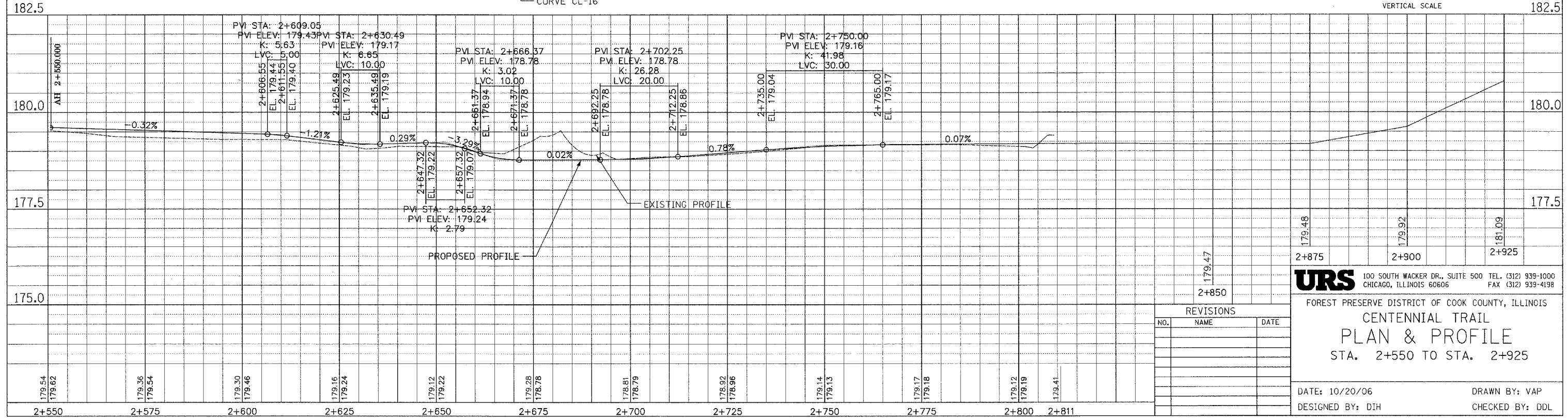
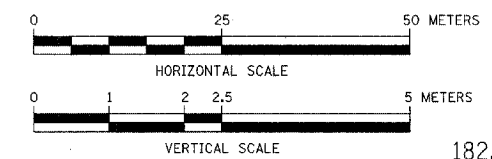
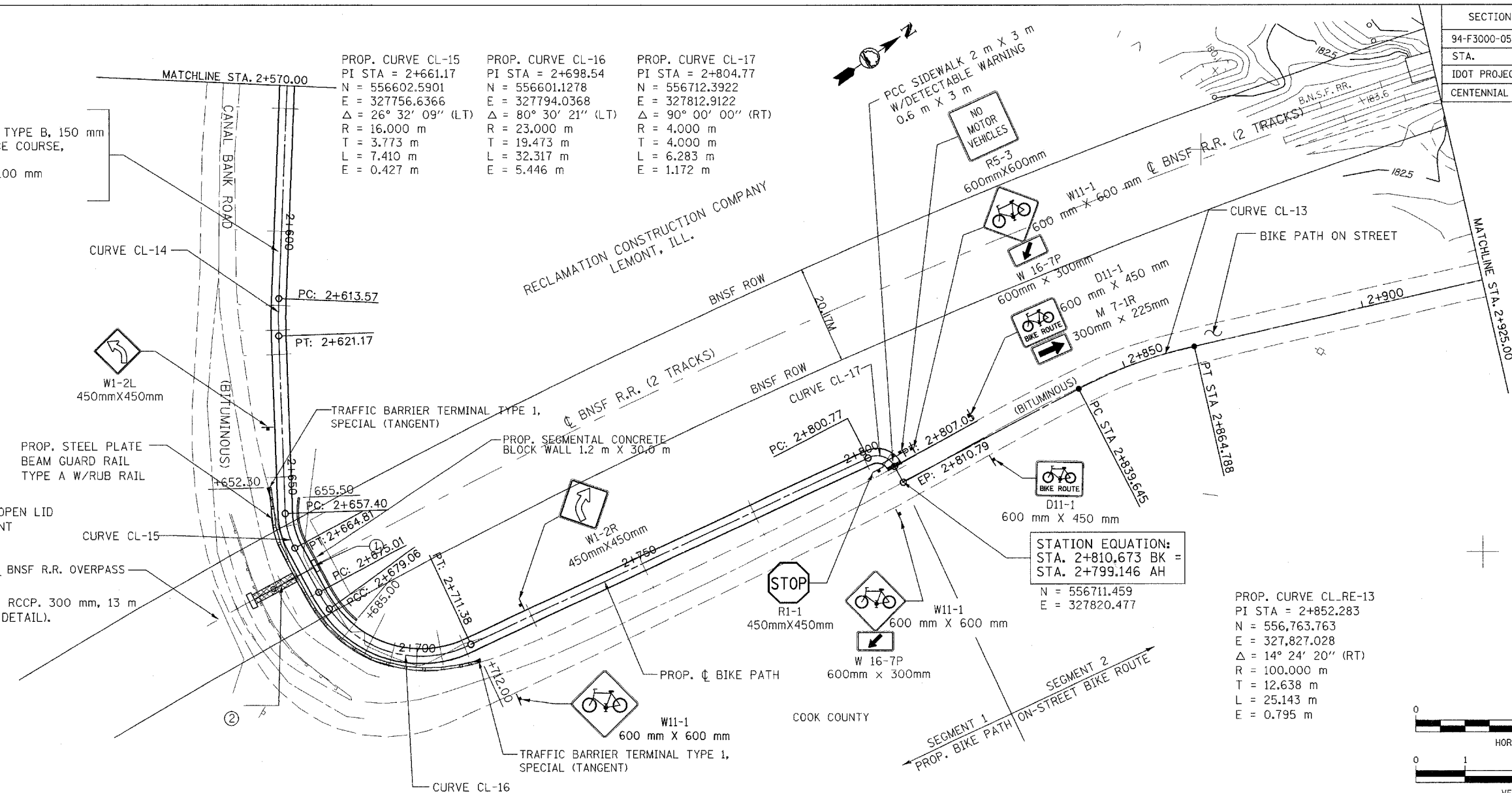
PROP. CURVE CL-15
 PI STA = 2+661.17
 N = 556602.5901
 E = 327756.6366
 $\Delta = 26^\circ 32' 09''$ (LT)
 R = 16.000 m
 T = 3.773 m
 L = 7.410 m
 E = 0.427 m

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

- 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

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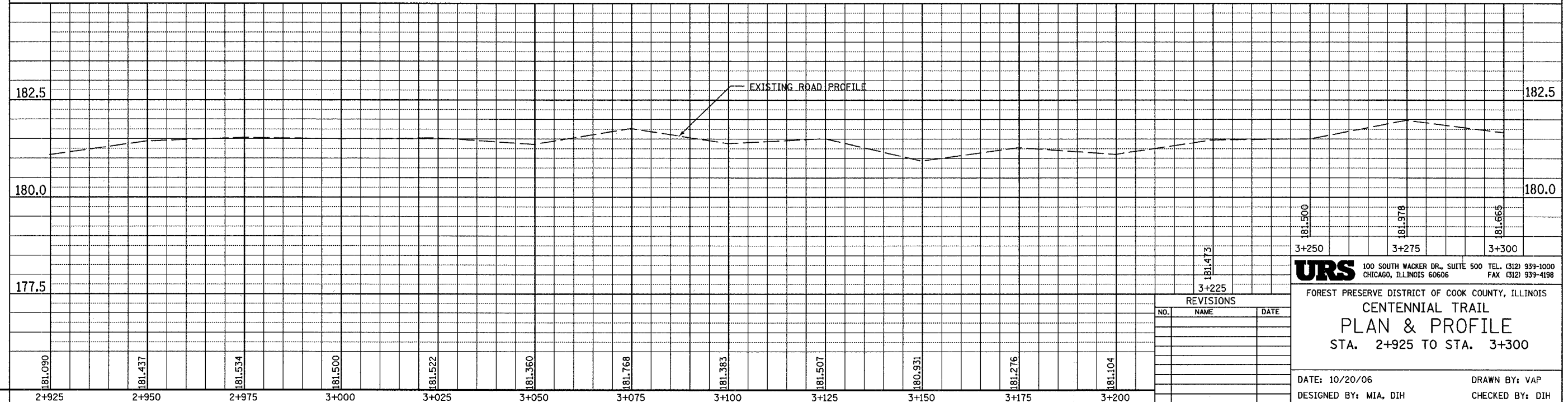
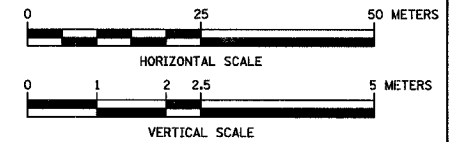
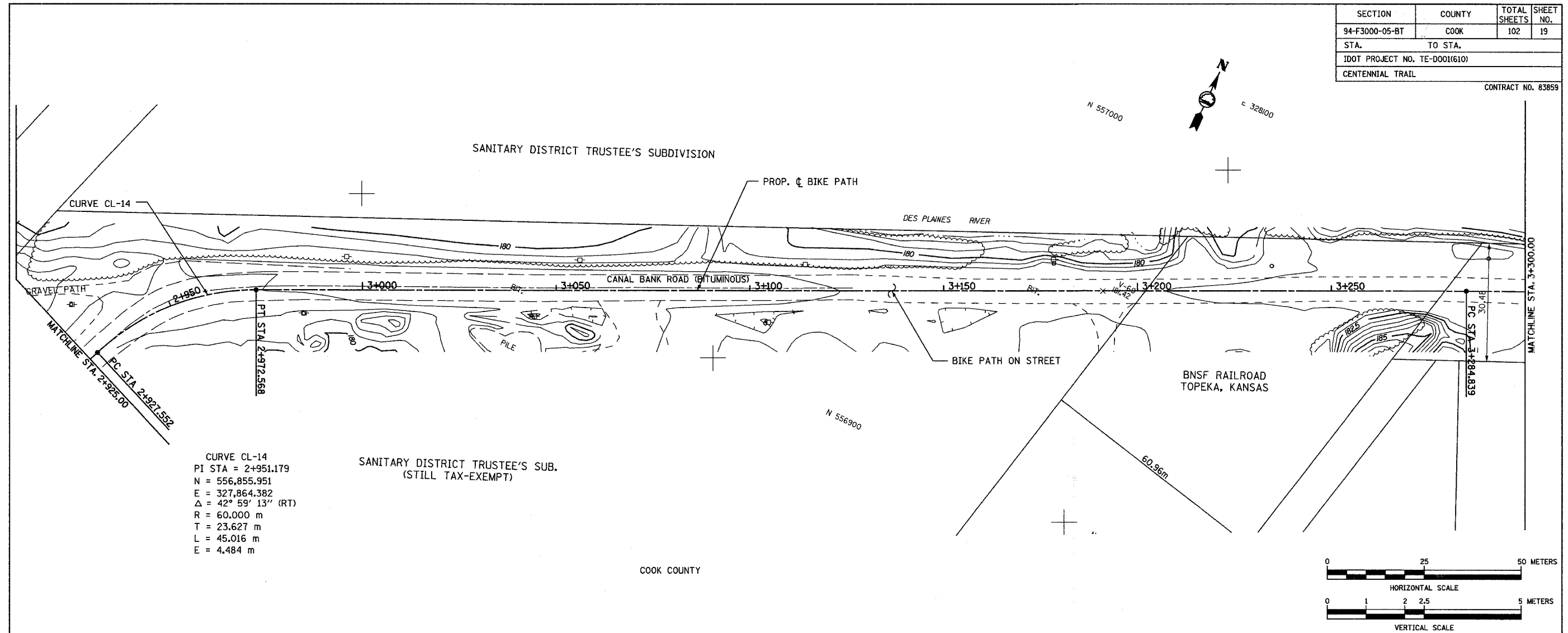
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

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



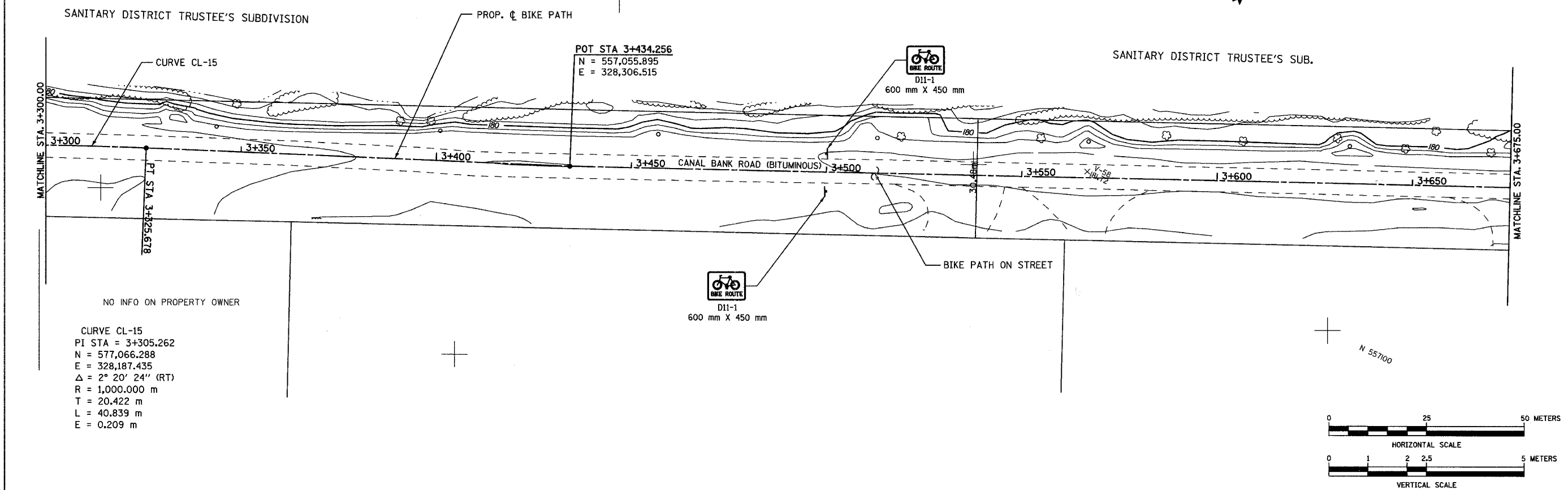
REVISIONS		
NO.	NAME	DATE

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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

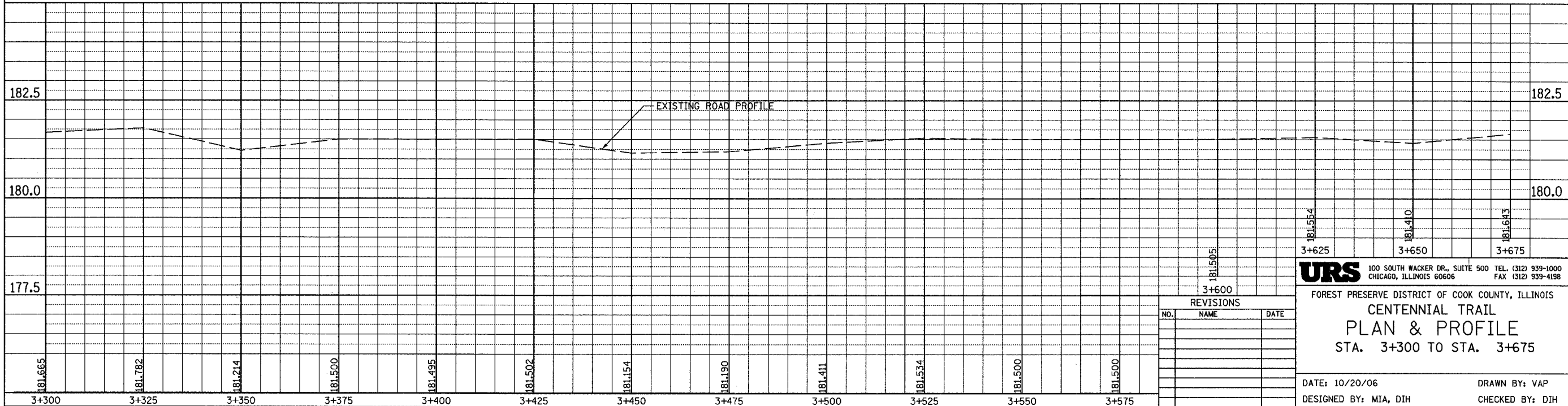
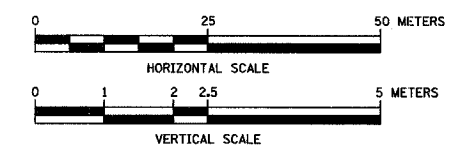
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	20
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



NO INFO ON PROPERTY OWNER

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

POT STA 3+434.256
 N = 557,055.895
 E = 328,306.515



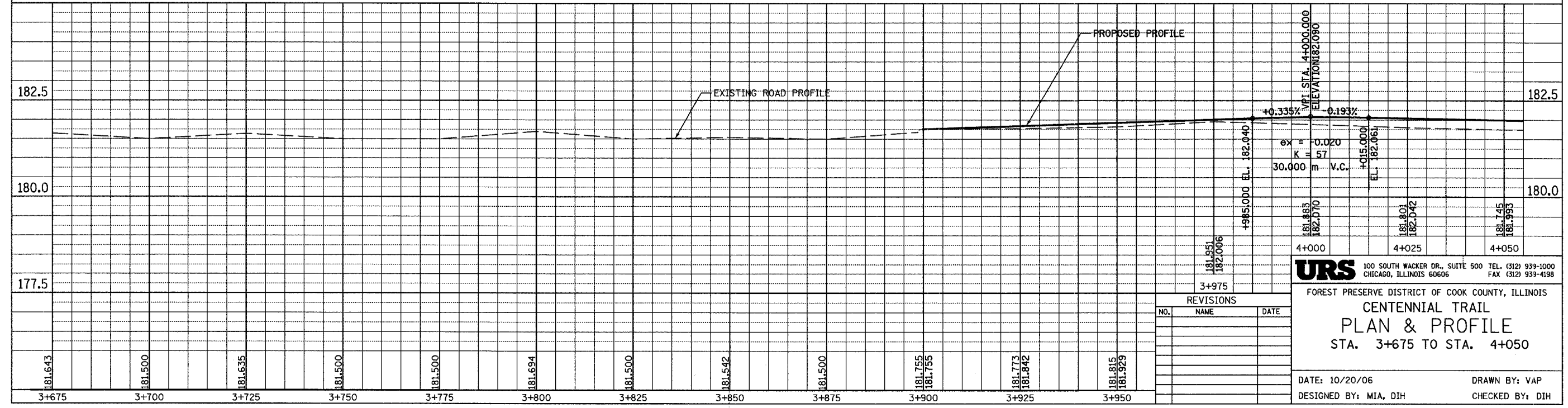
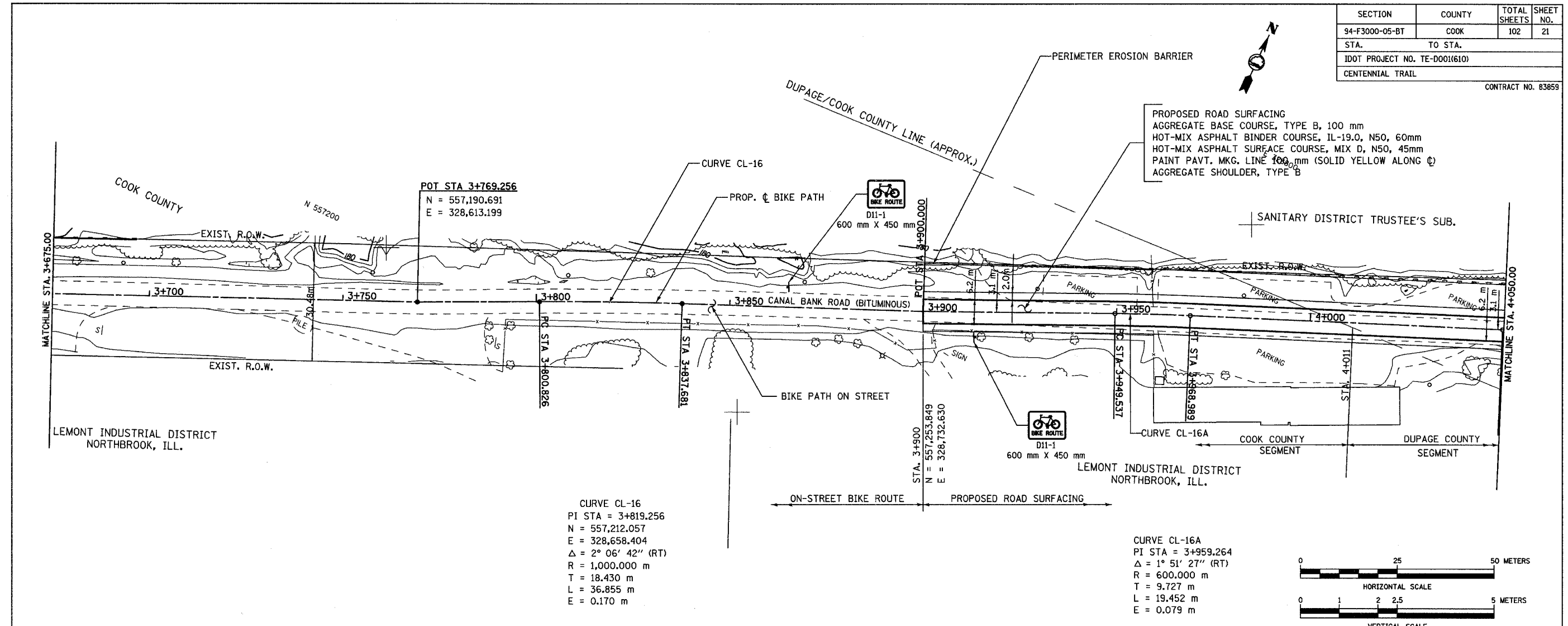
REVISIONS		
NO.	NAME	DATE

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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			



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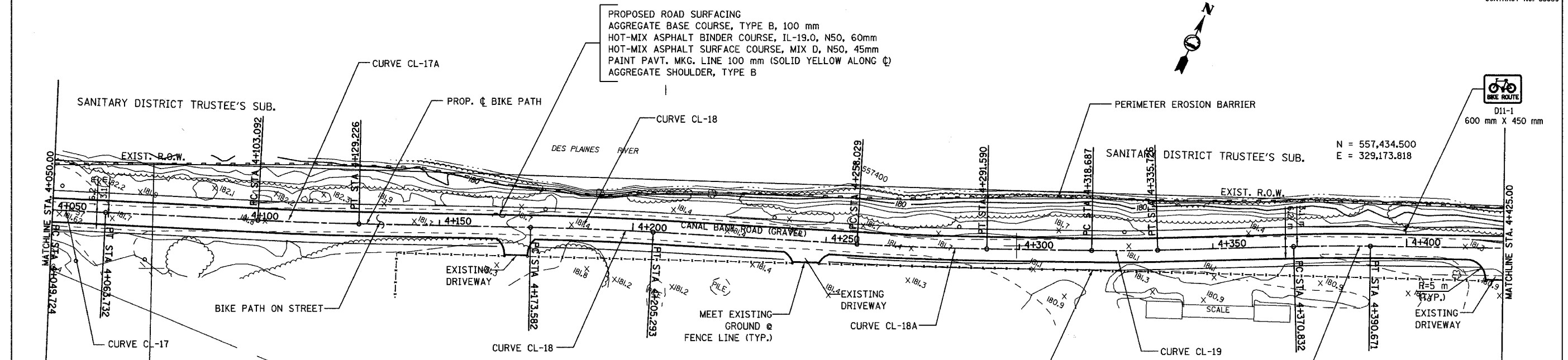
FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 3+675 TO STA. 4+050

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

REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	22
STA. TO STA.			
IDOT PROJECT NO. TE-0001610			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



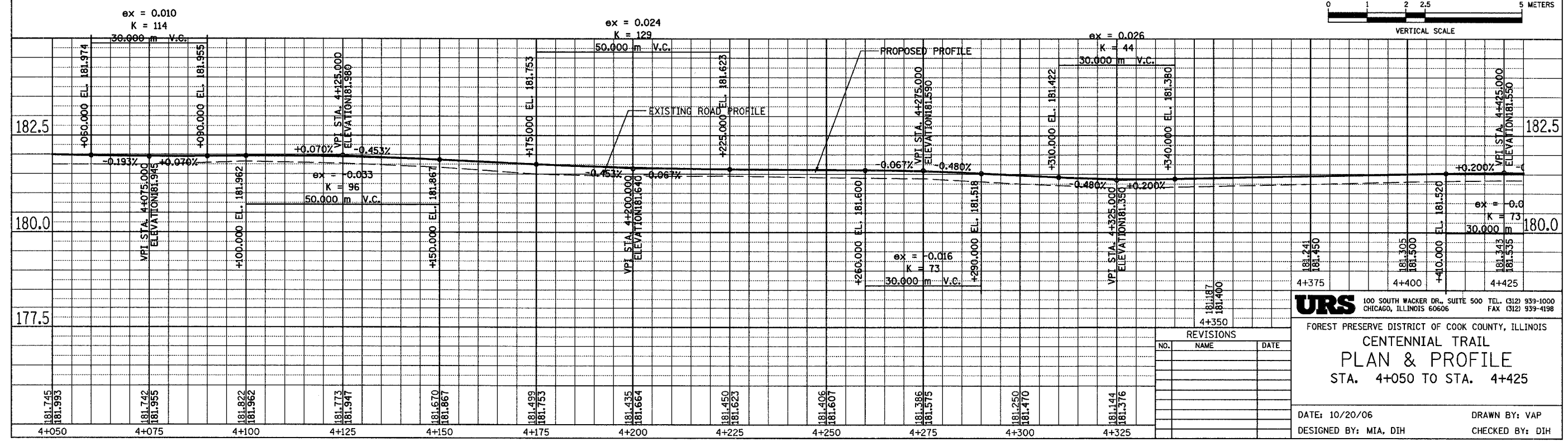
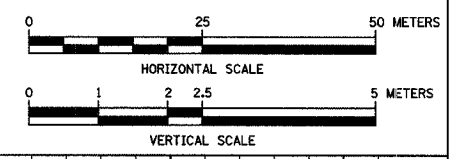
PROPOSED ROAD SURFACING
 AGGREGATE BASE COURSE, TYPE B, 100 mm
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 60mm
 HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 45mm
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG C)
 AGGREGATE SHOULDER, TYPE B

N = 557,434.500
 E = 329,173.818



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

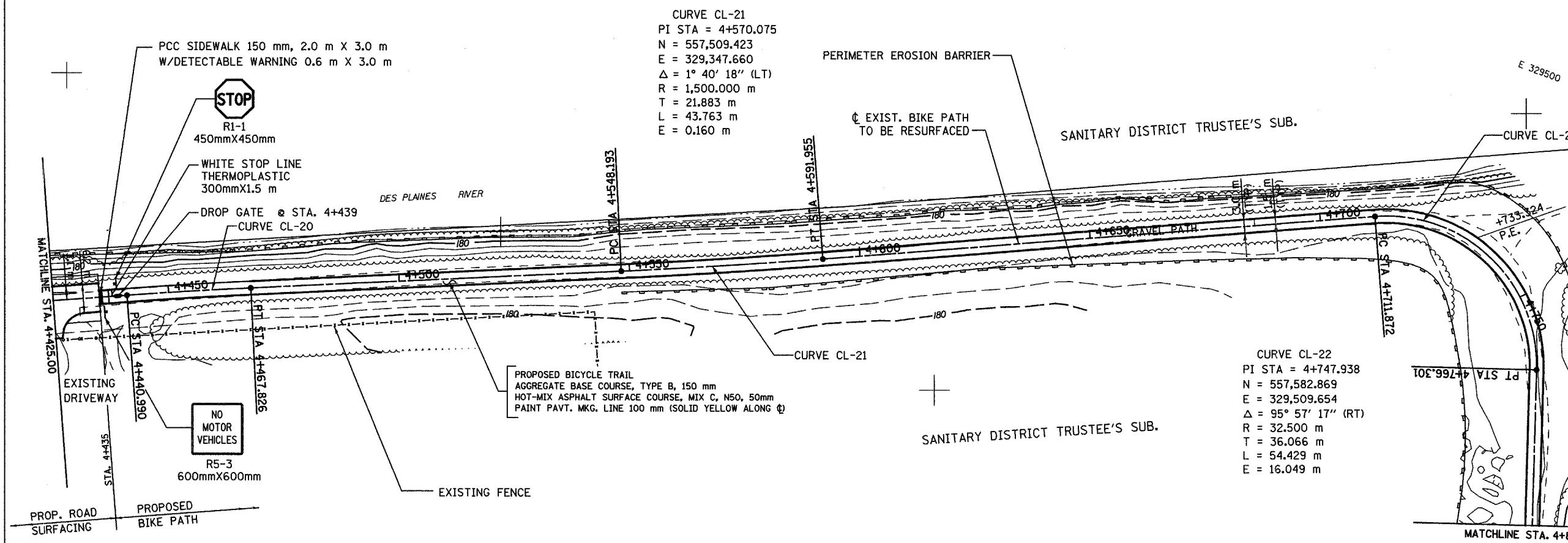
URS 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 4+050 TO STA. 4+425

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			

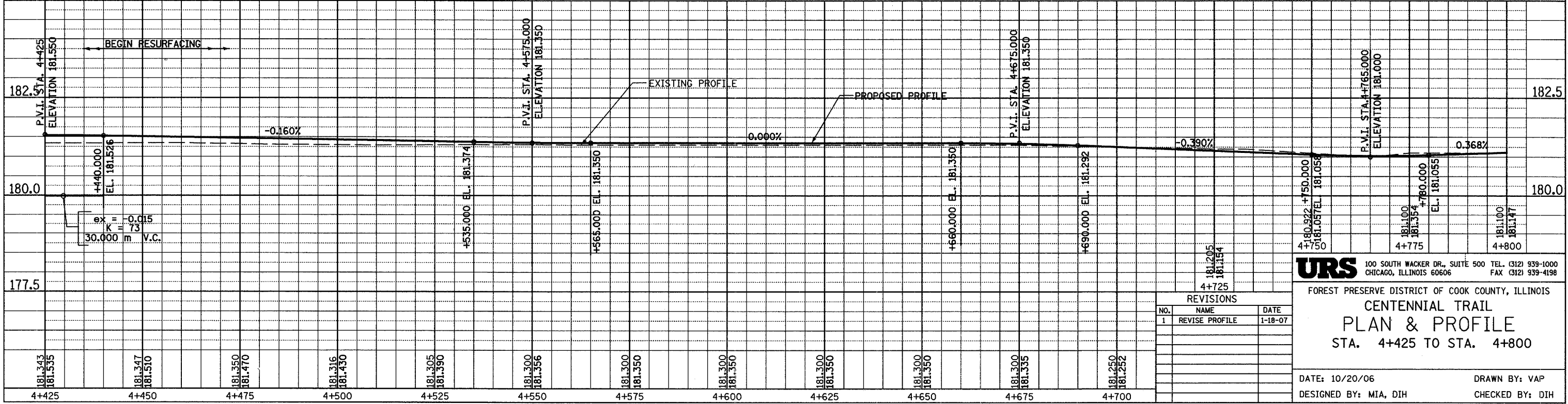
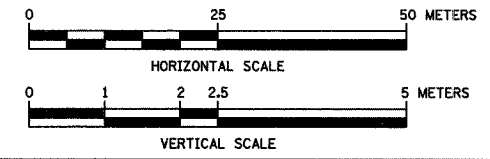
CONTRACT NO. 83859



CURVE CL-20
 PI STA = 4+454.409
 N = 557,464.754
 E = 329,240.964
 $\Delta = 1^\circ 32' 15''$ (RT)
 R = 1,000.000 m
 T = 13.419 m
 L = 26.836 m
 E = 0.090 m

CURVE CL-21
 PI STA = 4+570.075
 N = 557,509.423
 E = 329,347.660
 $\Delta = 1^\circ 40' 18''$ (LT)
 R = 1,500.000 m
 T = 21.883 m
 L = 43.763 m
 E = 0.160 m

CURVE CL-22
 PI STA = 4+747.938
 N = 557,582.869
 E = 329,509.654
 $\Delta = 95^\circ 57' 17''$ (RT)
 R = 32.500 m
 T = 36.066 m
 L = 54.429 m
 E = 16.049 m



REVISIONS		
NO.	NAME	DATE
1	REVISE PROFILE	1-18-07

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

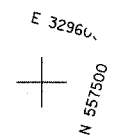
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	24
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



MATCHLINE STA. 4+800.00

PERIMETER EROSION BARRIER



CURVE CL-23
 PI STA = 4+926.854
 N = 557,396.338
 E = 329,571.827
 $\Delta = 91^\circ 42' 46''$ (LT)
 R = 55.000 m
 T = 56.669 m
 L = 88.038 m
 E = 23.971 m

CURVE CL-24
 PI STA = 5+011.021
 N = 557,440.996
 E = 329,674.596
 $\Delta = 14^\circ 13' 44''$ (RT)
 R = 200.000 m
 T = 24.963 m
 L = 49.668 m
 E = 1.552 m

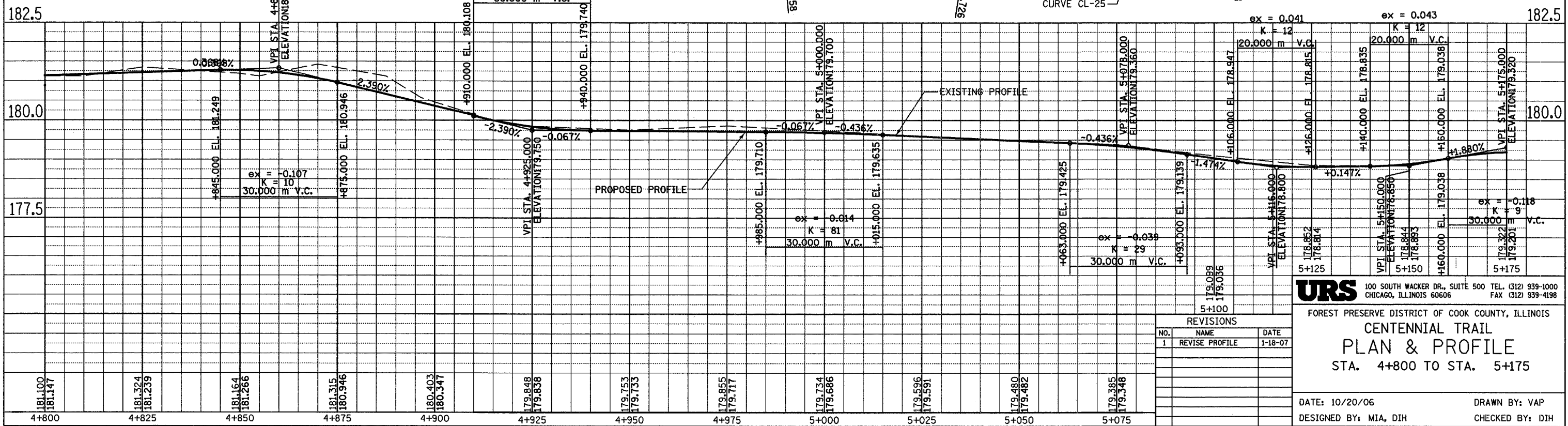
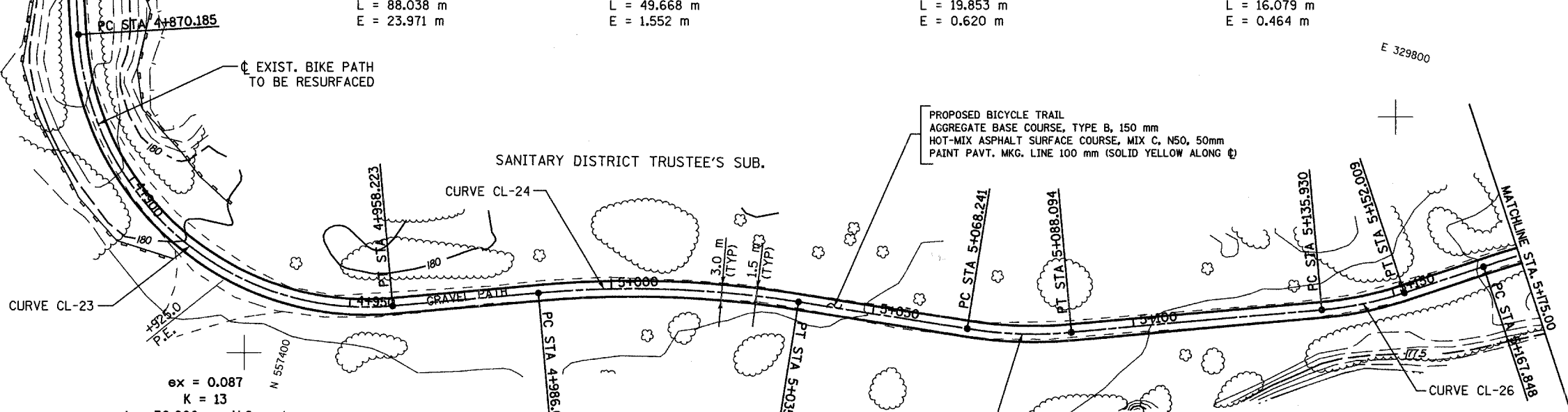
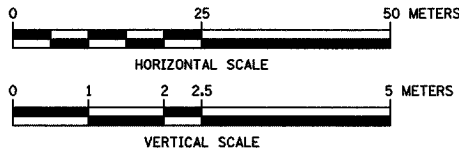
CURVE CL-25
 PI STA = 5+078.219
 N = 557,440.996
 E = 329,741.692
 $\Delta = 14^\circ 13' 08''$ (LT)
 R = 80.000 m
 T = 9.978 m
 L = 19.853 m
 E = 0.620 m

CURVE CL-26
 PI STA = 5+144.005
 N = 557,463.679
 E = 329,803.553
 $\Delta = 13^\circ 09' 39''$ (LT)
 R = 70.000 m
 T = 8.075 m
 L = 16.079 m
 E = 0.464 m

EXIST. BIKE PATH TO BE RESURFACED

SANITARY DISTRICT TRUSTEE'S SUB.

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)



REVISIONS		
NO.	NAME	DATE
1	REVISE PROFILE	1-18-07

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
 DESIGNED BY: MIA, DIH
 DRAWN BY: VAP
 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			

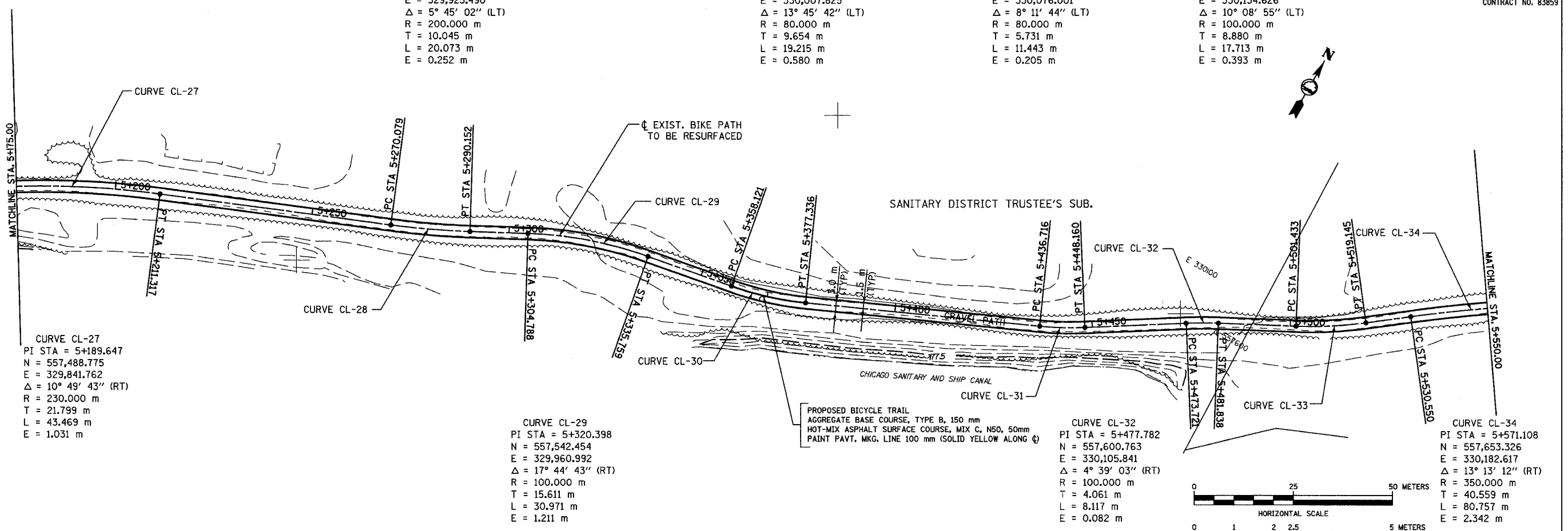
CONTRACT NO. 83859

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

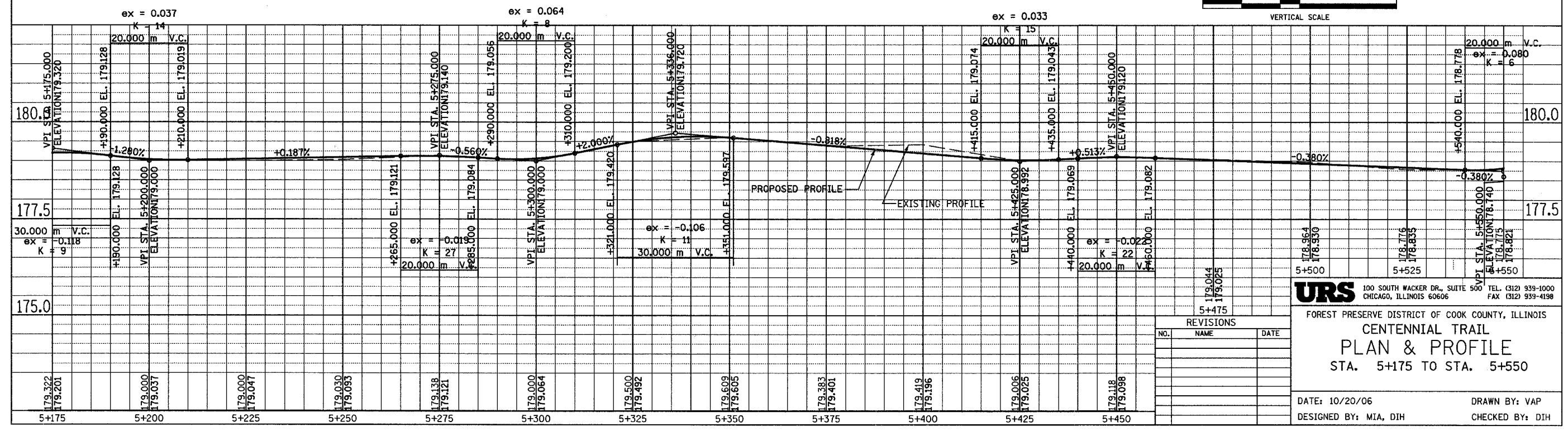
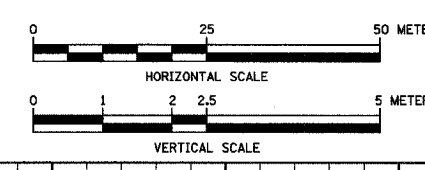


CURVE CL-27
 PI STA = 5+189.647
 N = 557,488.775
 E = 329,841.762
 $\Delta = 10^\circ 49' 43''$ (RT)
 R = 230.000 m
 T = 21.799 m
 L = 43.469 m
 E = 1.031 m

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

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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			

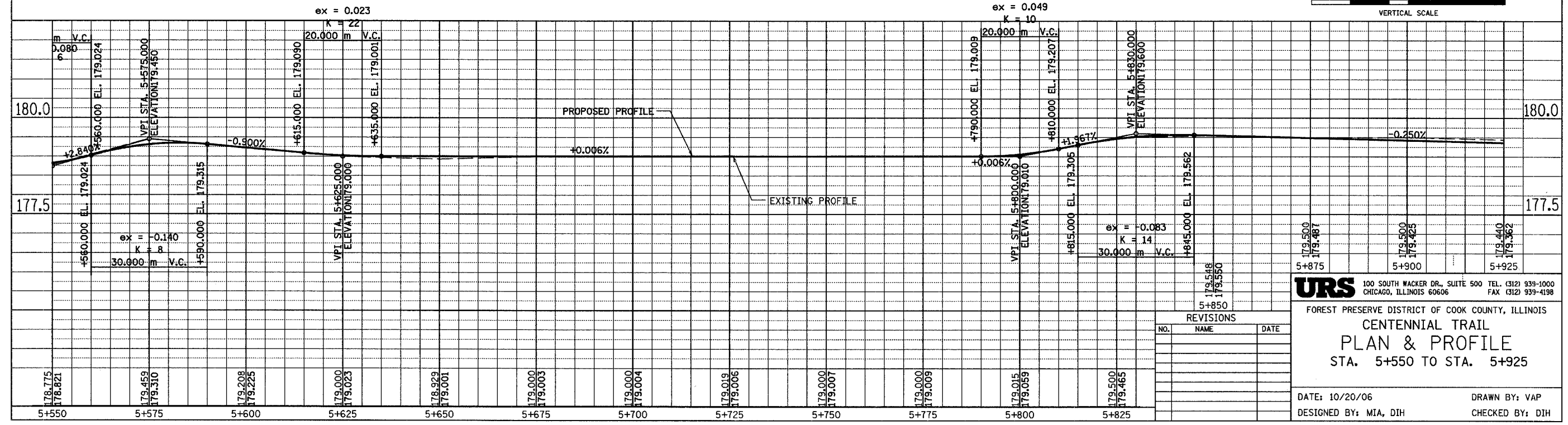
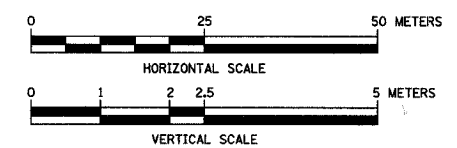
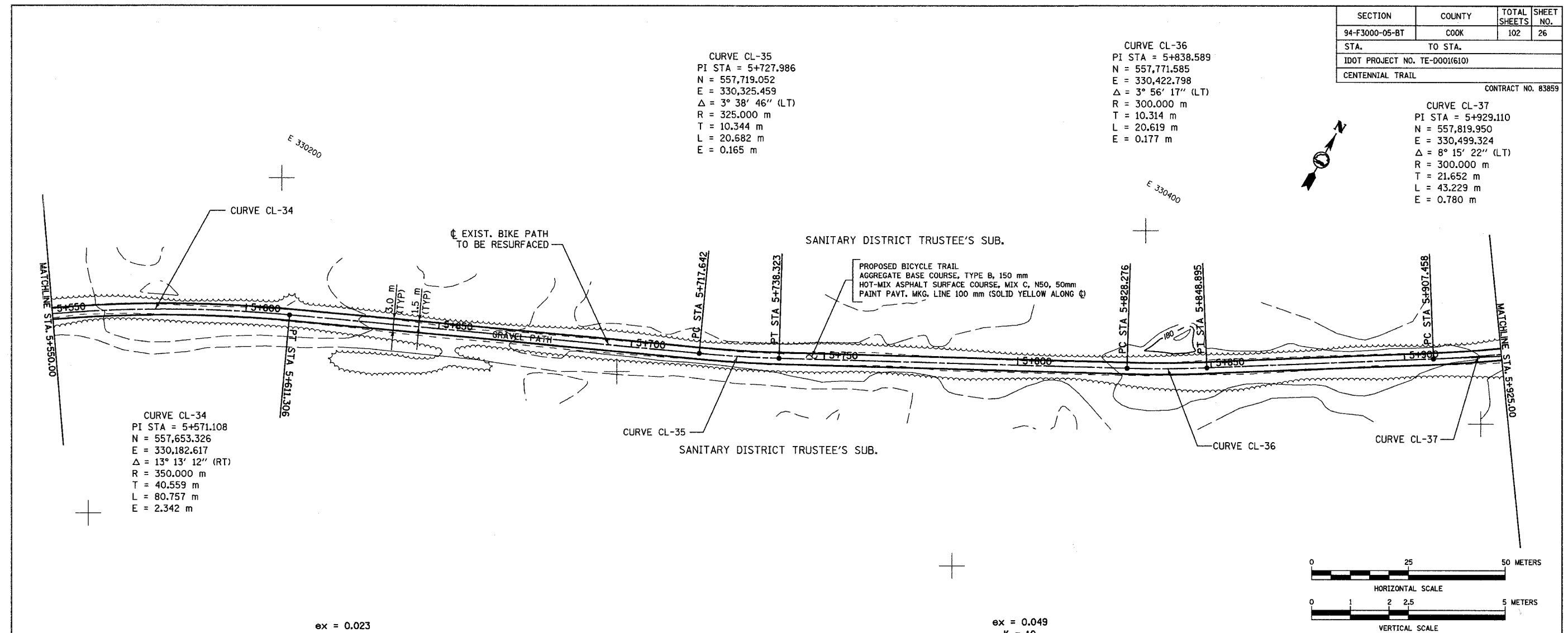
CONTRACT NO. 83859

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



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. 5+550 TO STA. 5+925

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	27
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
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

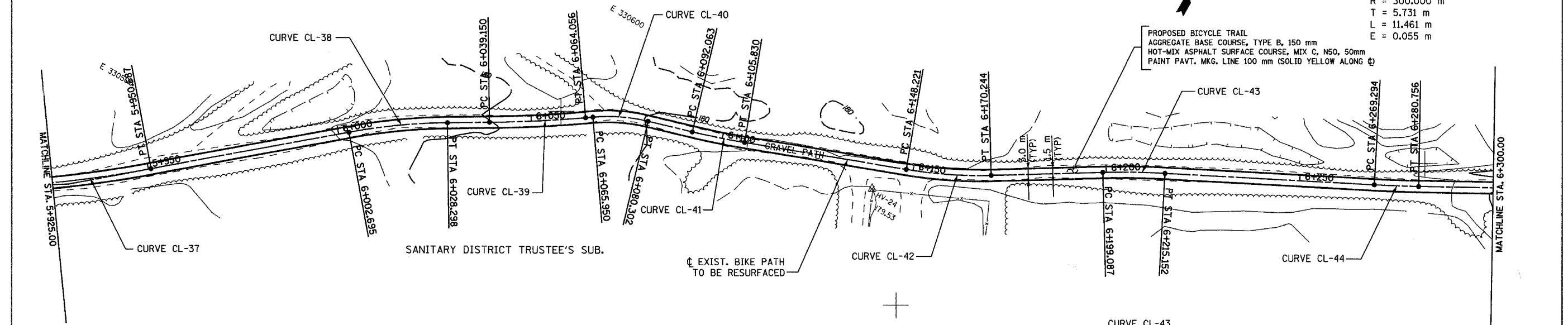
CURVE CL-44
 PI STA = 6+275.026
 N = 557,991.275
 E = 330,796.562
 $\Delta = 2^\circ 11' 20''$ (LT)
 R = 300.000 m
 T = 5.731 m
 L = 11.461 m
 E = 0.055 m

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 ϕ)

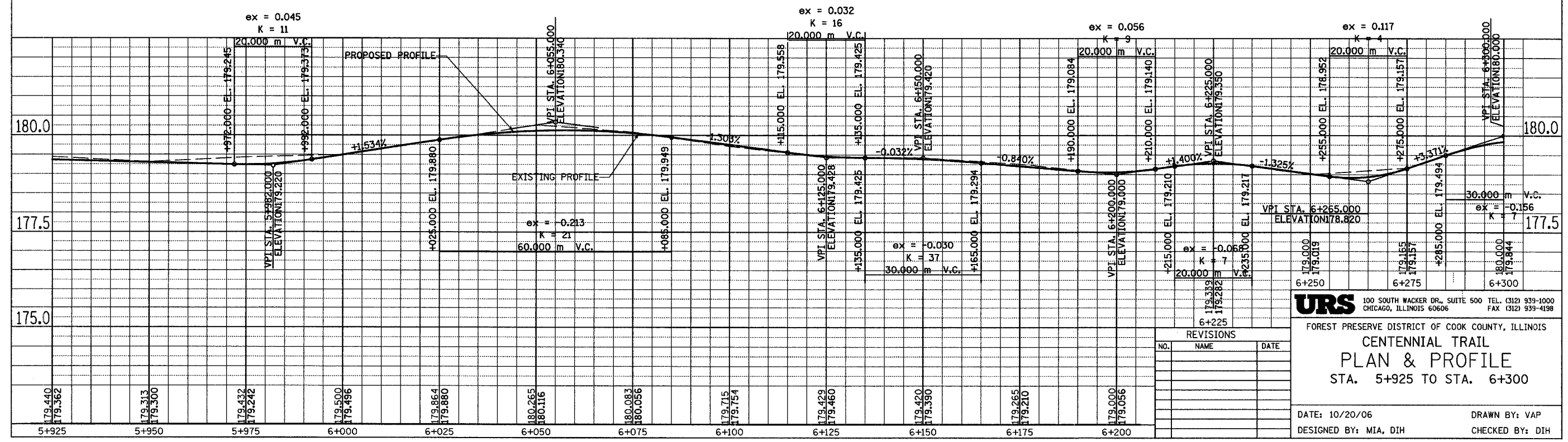
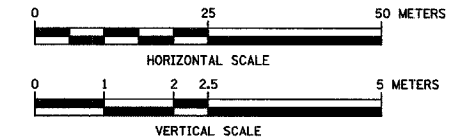


N 557800

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



REVISIONS		
NO.	NAME	DATE

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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

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			

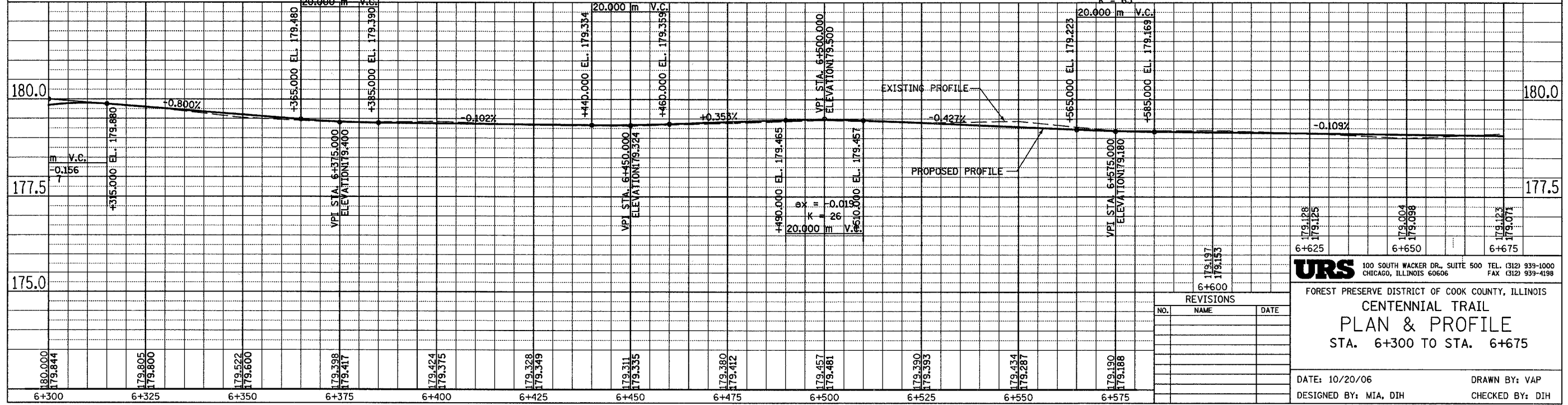
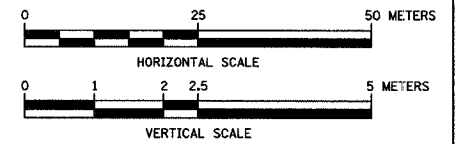
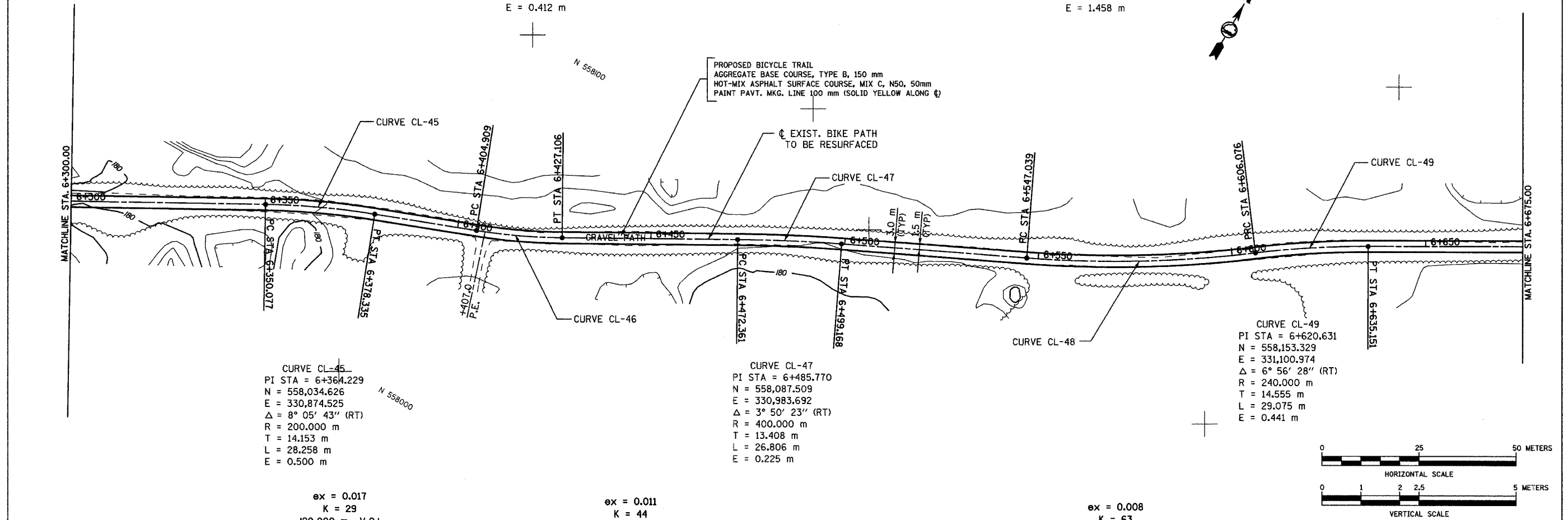
CURVE CL-46
 PI STA = 6+416.027
 N = 558,053.190
 E = 330,922.932
 $\Delta = 8^\circ 28' 43''$ (LT)
 R = 150.000 m
 T = 11.119 m
 L = 22.197 m
 E = 0.412 m

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

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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-BT	COOK	102	29
STA. TO STA.			
IDOT PROJECT NO. TE-000(1610)			
CENTENNIAL TRAIL			

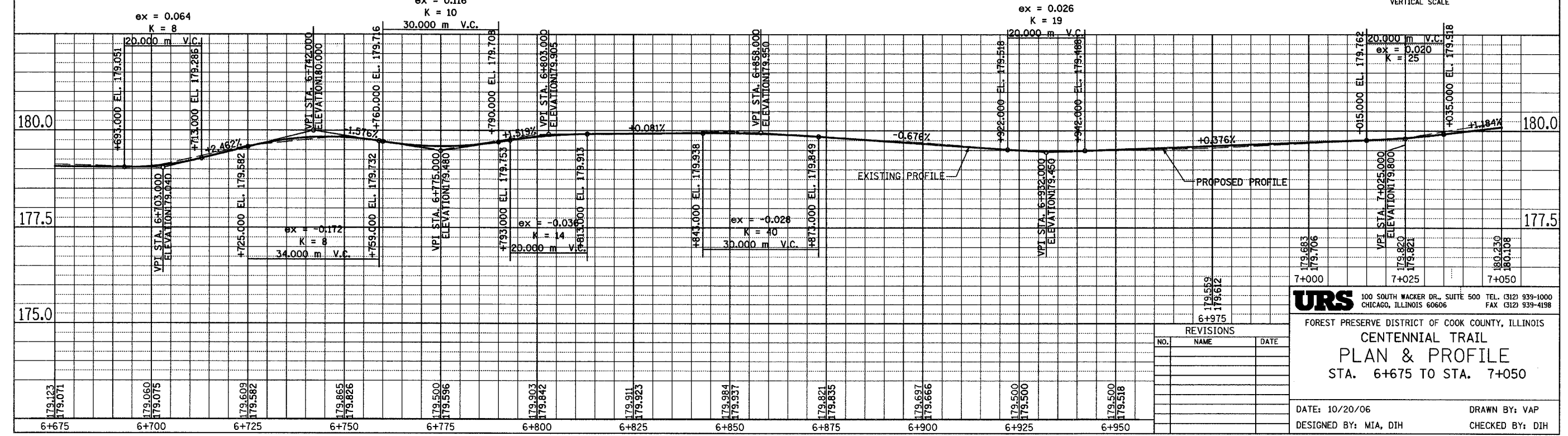
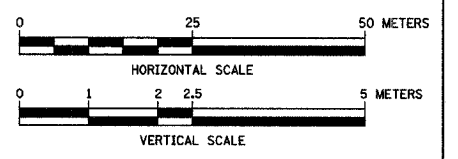
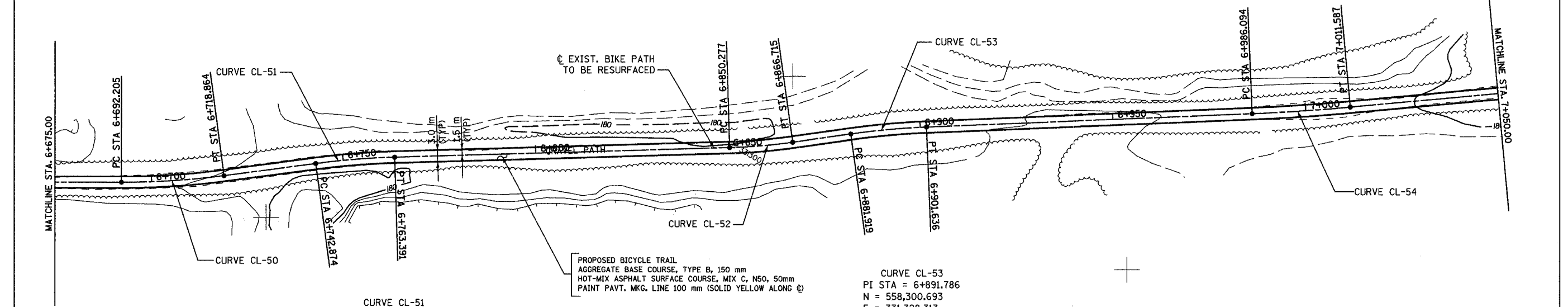
CURVE CL-50
 PI STA = 6+705.555
 N = 558,195.748
 E = 331,174.584
 $\Delta = 7^\circ 38' 14''$ (LT)
 R = 200.000 m
 T = 13.349 m
 L = 26.659 m
 E = 0.445 m

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



REVISIONS		
NO.	NAME	DATE

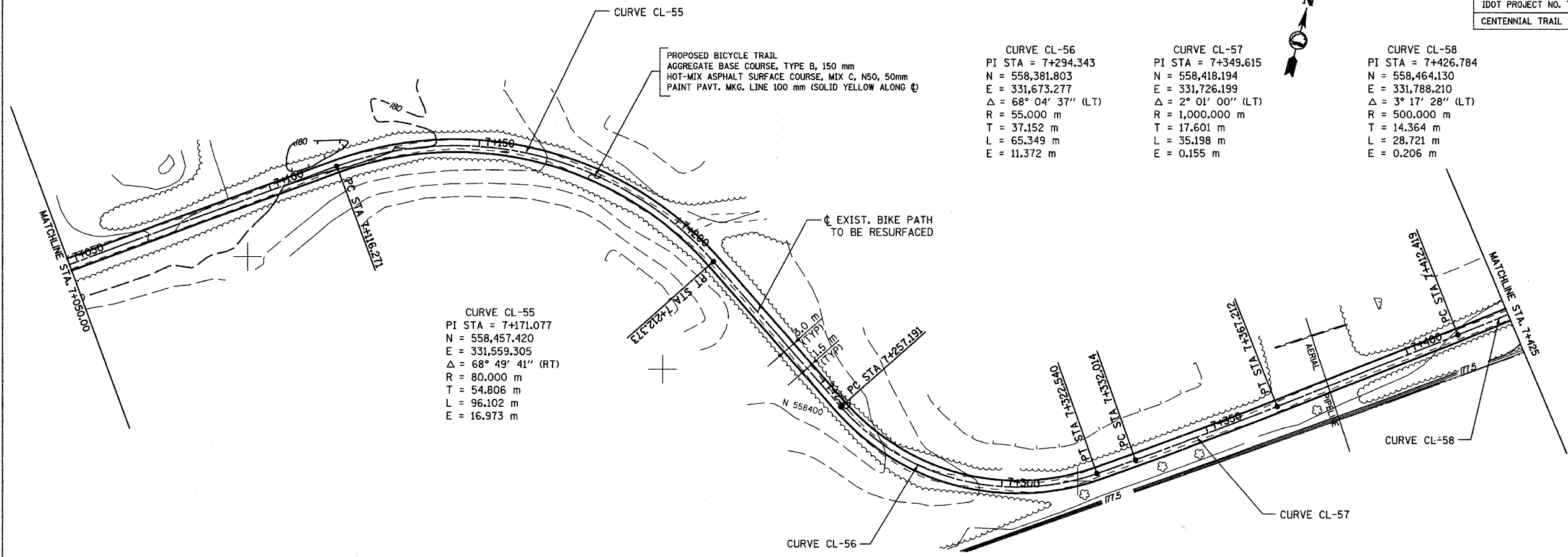
URS 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 6+675 TO STA. 7+050

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	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

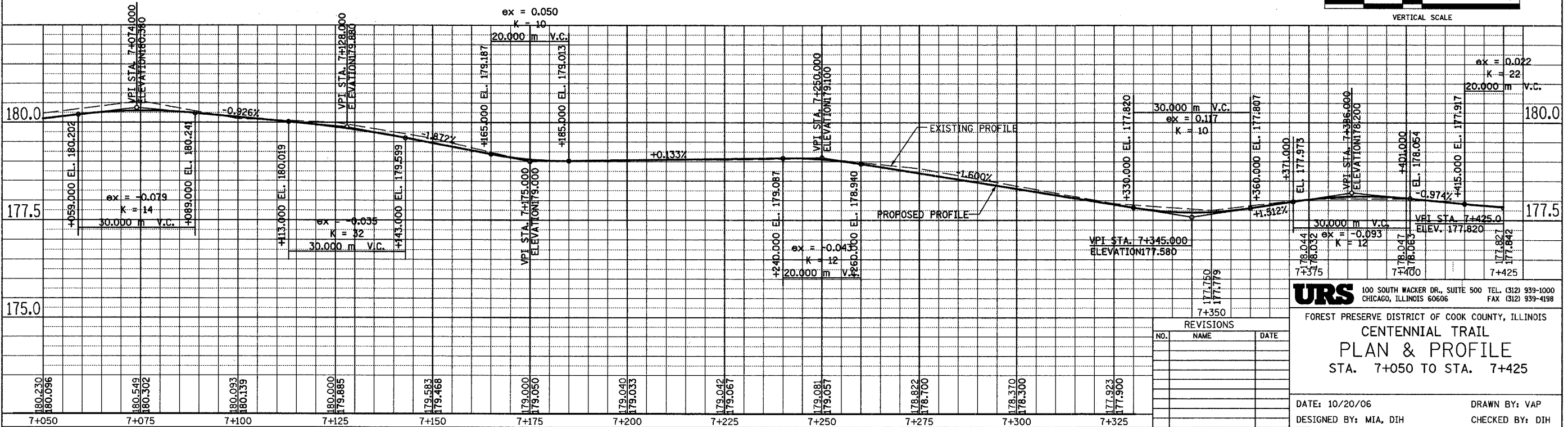
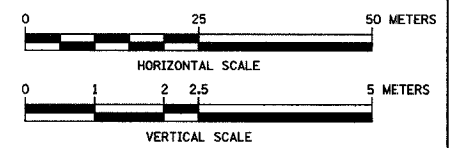
CURVE CL-56
 PI STA = 7+294.343
 N = 558,381.803
 E = 331,673.277
 $\Delta = 68^\circ 04' 37''$ (LT)
 R = 55.000 m
 T = 37.152 m
 L = 65.349 m
 E = 11.372 m

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, N50, 50mm
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG ϕ)

EXIST. BIKE PATH
 TO BE RESURFACED



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. 7+050 TO STA. 7+425

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

REVISIONS		
NO.	NAME	DATE

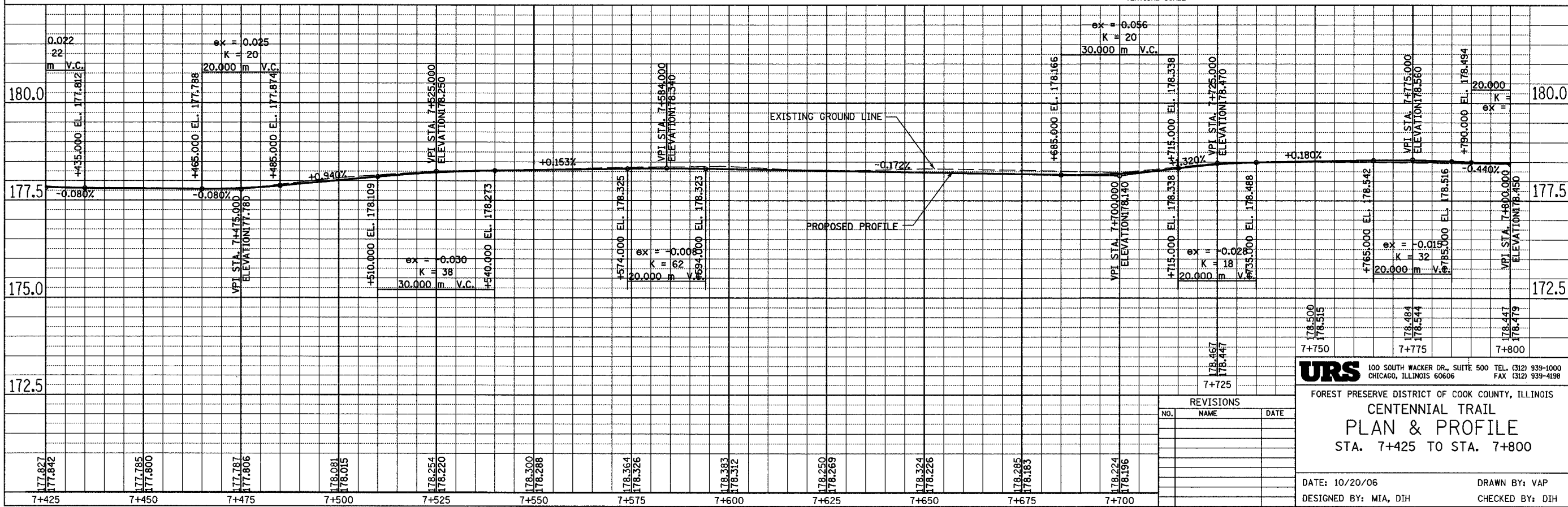
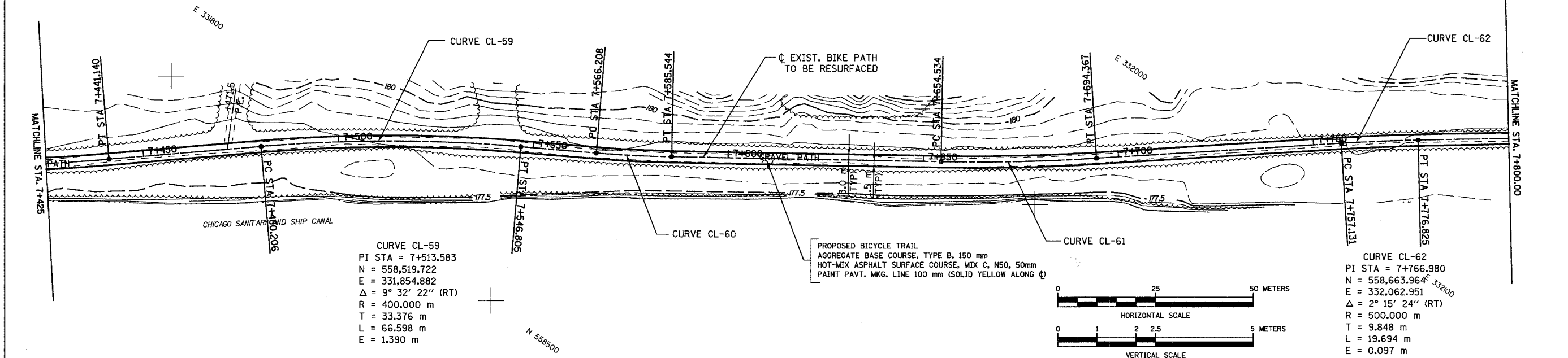
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	31
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

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



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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

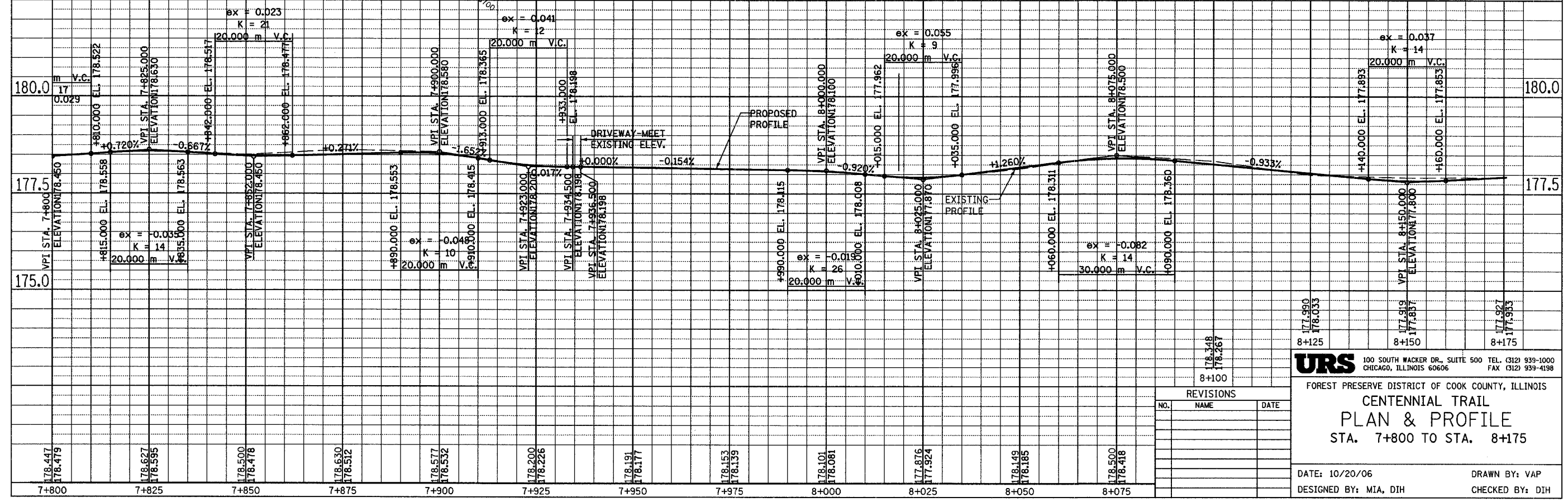
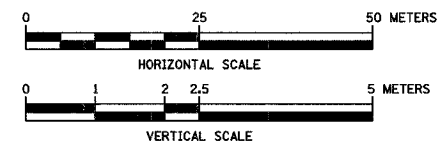
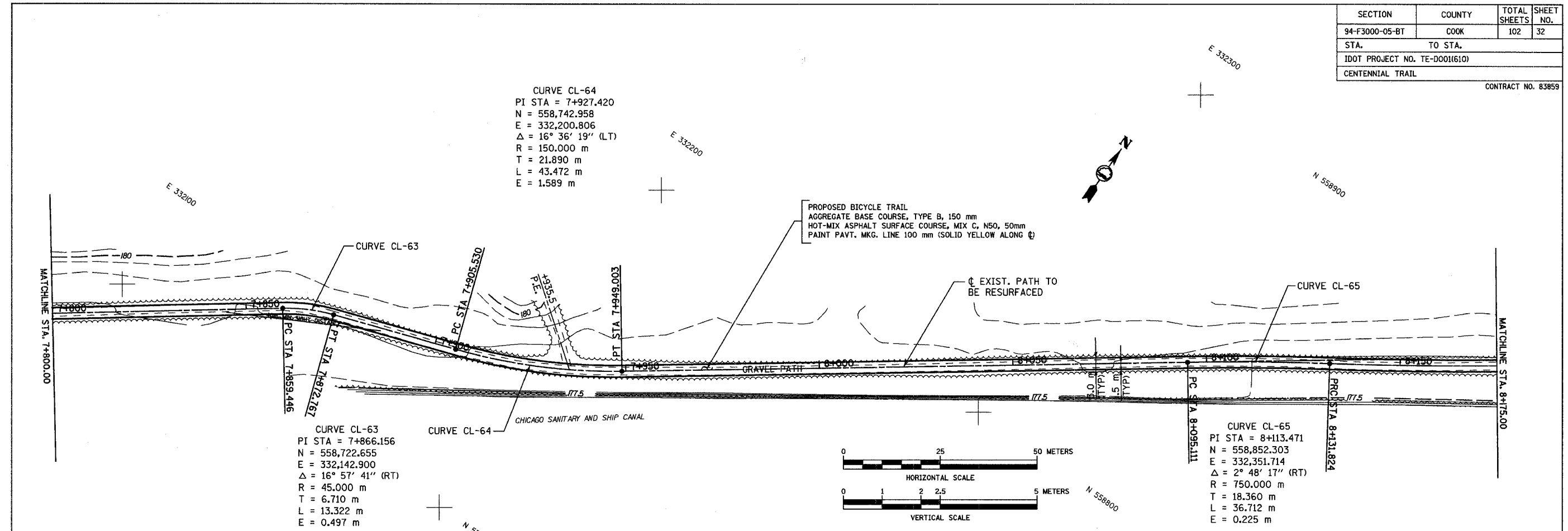
REVISIONS		
NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	32
STA. TO STA.			
IDOT PROJECT NO. TE-D0011610			
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

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



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

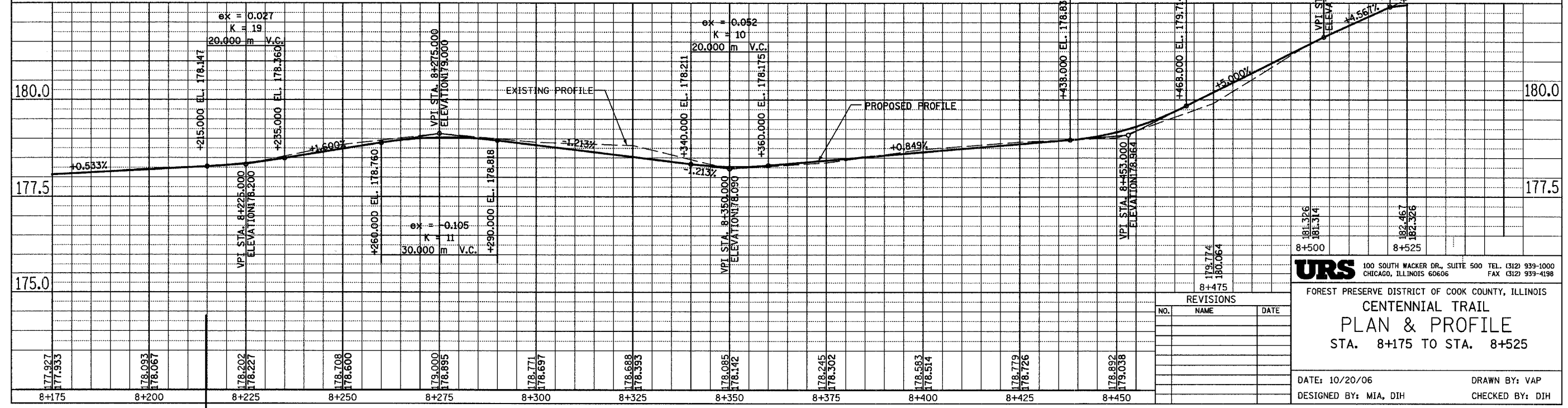
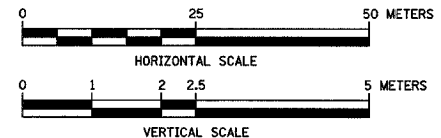
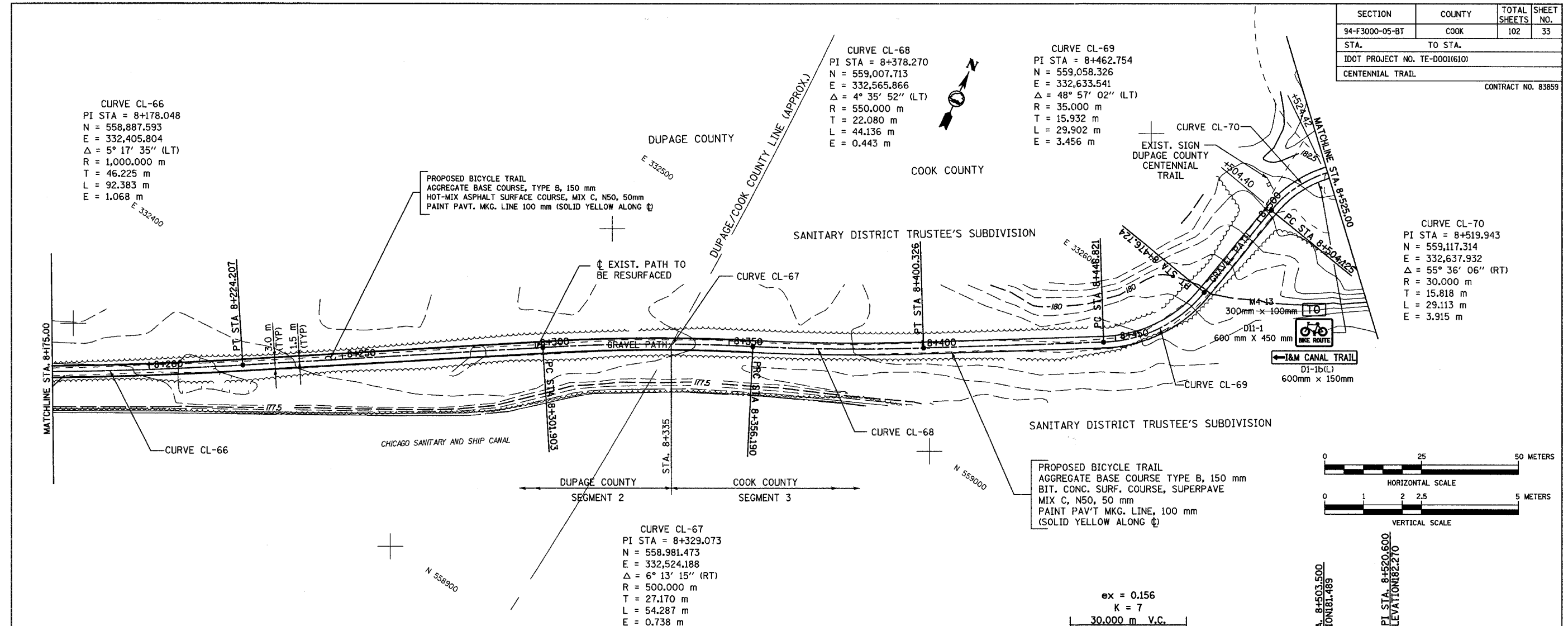
CURVE CL-66
 PI STA = 8+178.048
 N = 558,887.593
 E = 332,405.804
 $\Delta = 5^\circ 17' 35''$ (LT)
 R = 1,000.000 m
 T = 46.225 m
 L = 92.383 m
 E = 1.068 m

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



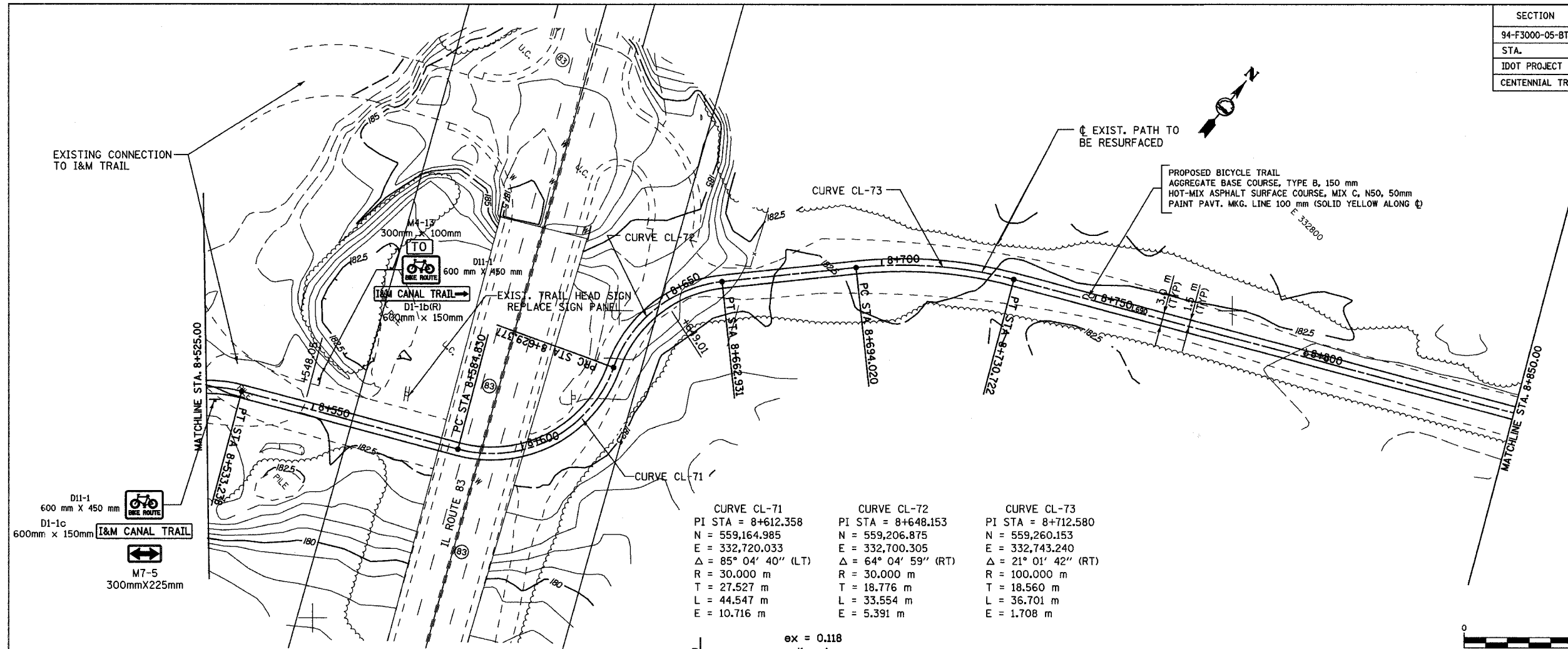
NO.	NAME	DATE

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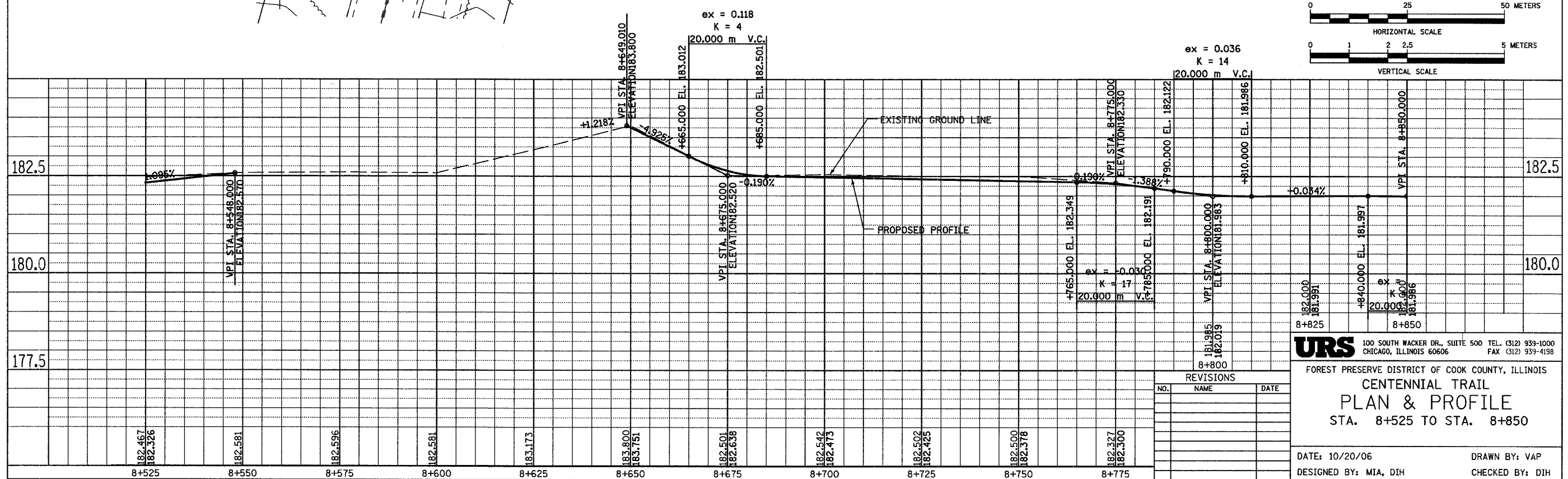
FIRST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 8+175 TO STA. 8+525

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. 83859			



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



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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

REVISIONS		
NO.	NAME	DATE

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			

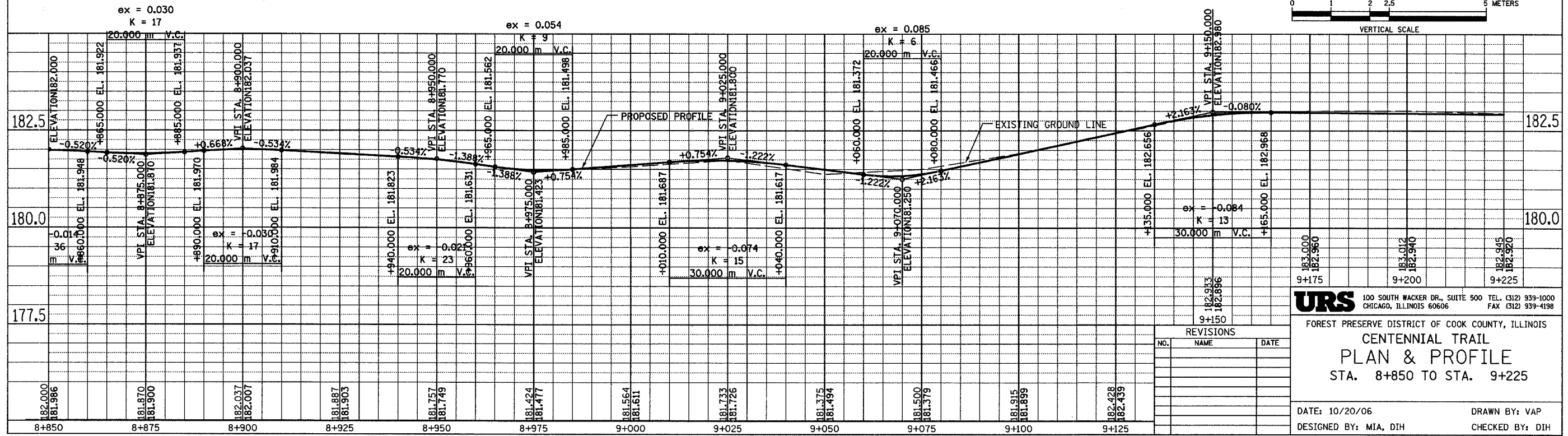
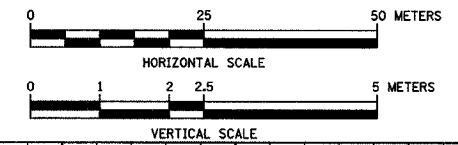
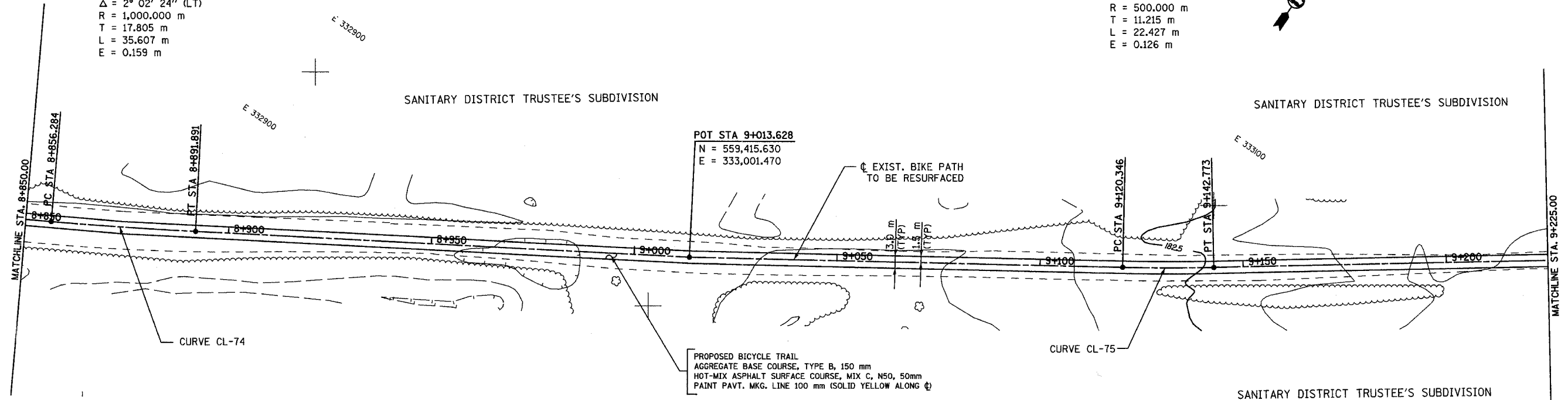
CURVE CL-74
 PI STA = 8+874.089
 N = 559,341.379
 E = 332,883.322
 $\Delta = 2^\circ 02' 24''$ (LT)
 R = 1,000.000 m
 T = 17.805 m
 L = 35.607 m
 E = 0.159 m

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



SANITARY DISTRICT TRUSTEE'S SUBDIVISION

SANITARY DISTRICT TRUSTEE'S SUBDIVISION



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FOREST 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

REVISIONS		
NO.	NAME	DATE

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	

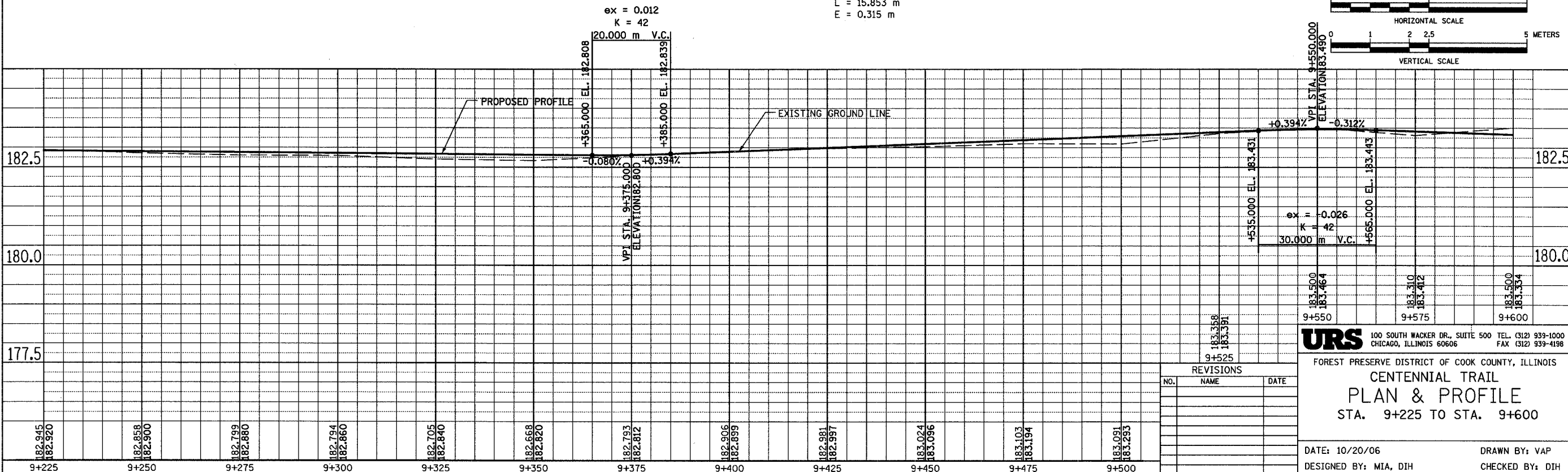
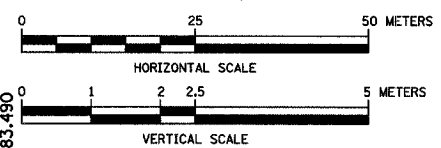
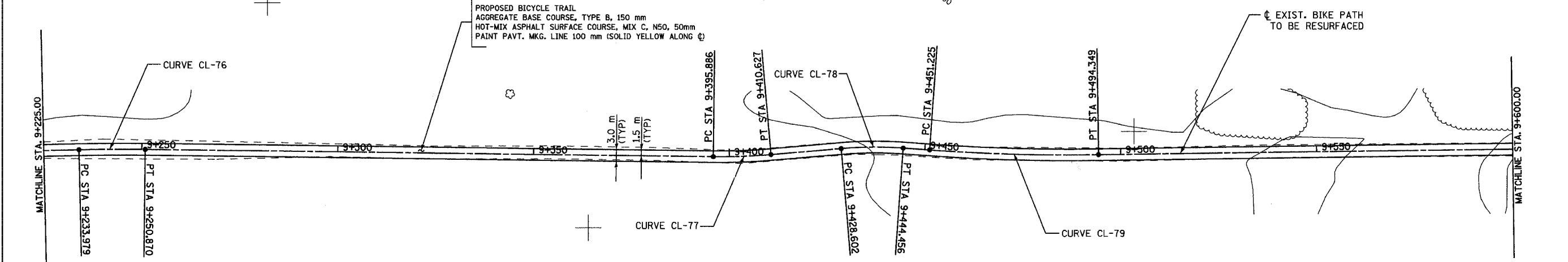
CURVE CL-77
 PI STA = 9+403.263
 N = 559,637.314
 E = 333,321.823
 $\Delta = 5^\circ 37' 51''$ (LT)
 R = 150,000 m
 T = 7.377 m
 L = 14.741 m
 E = 0.181 m

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 ϕ)



REVISIONS		
NO.	NAME	DATE

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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

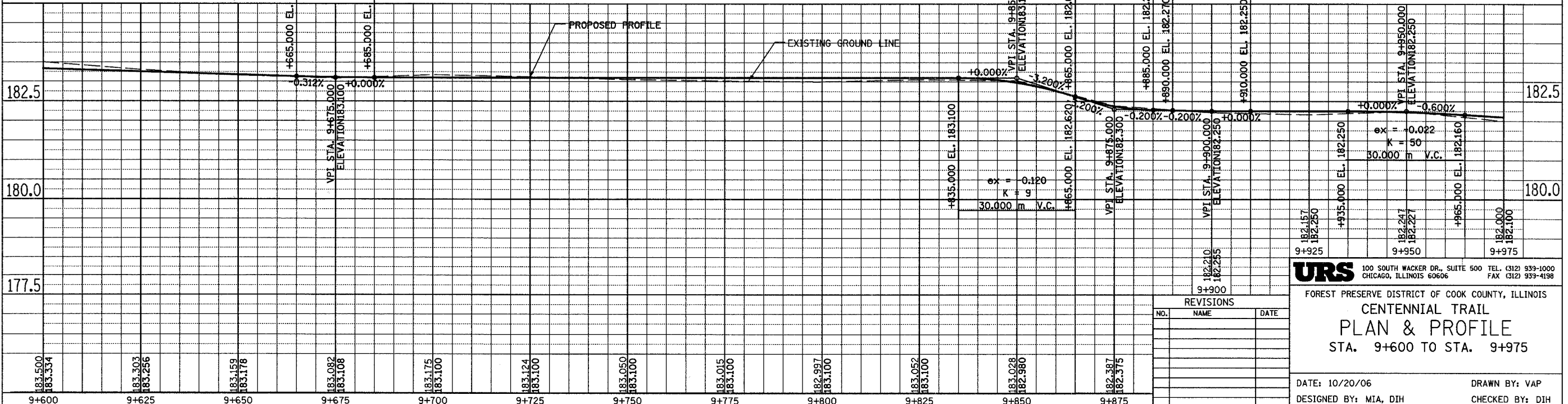
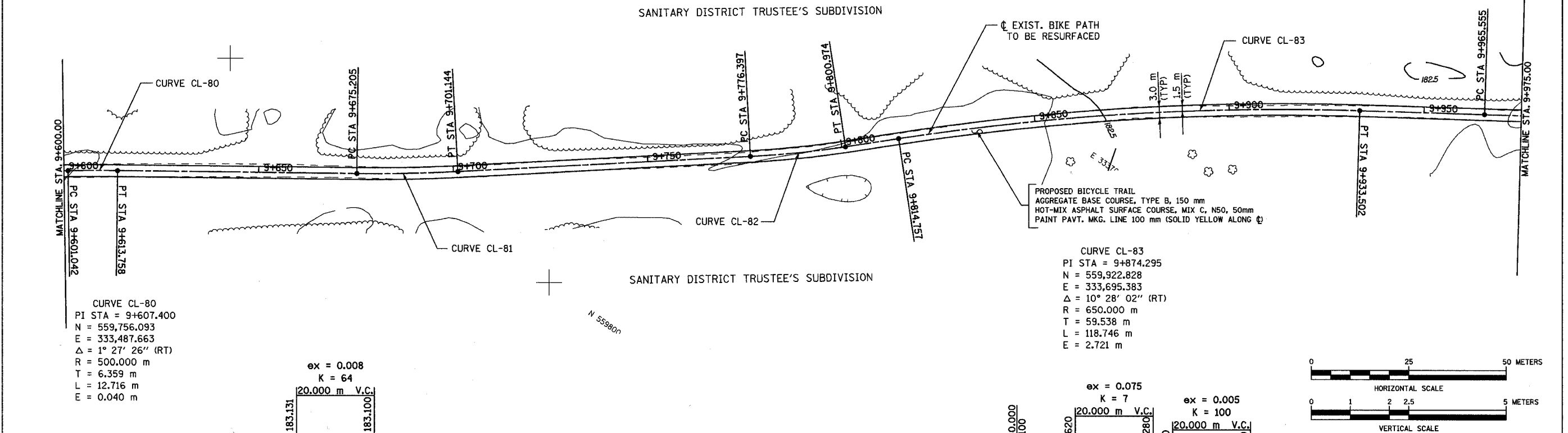
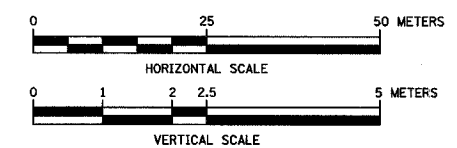
CURVE CL-83
 PI STA = 9+874.295
 N = 559,922.828
 E = 333,695.383
 $\Delta = 10^\circ 28' 02''$ (RT)
 R = 650.000 m
 T = 59.538 m
 L = 118.746 m
 E = 2.721 m

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

ex = 0.075
 K = 7

ex = 0.005
 K = 100



REVISIONS		
NO.	NAME	DATE

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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS

CENTENNIAL TRAIL PLAN & PROFILE

STA. 9+600 TO STA. 9+975

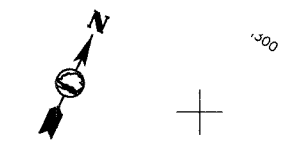
DATE: 10/20/06 DRAWN BY: VAP
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	39
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

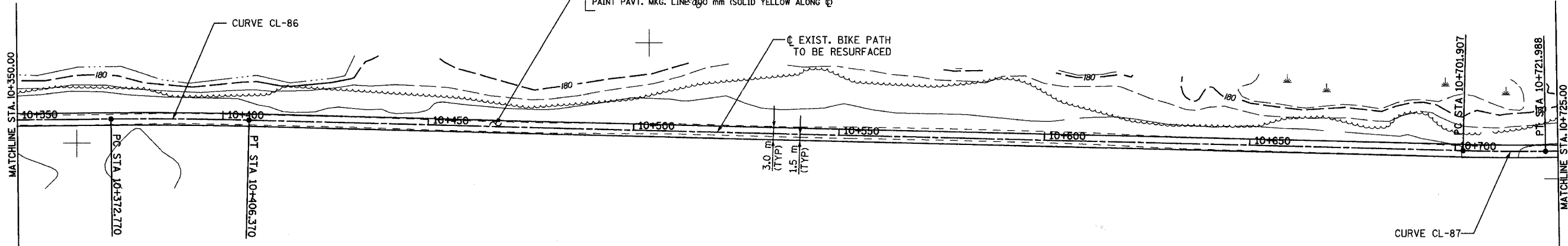
CURVE CL-87
 PI STA = 10+711.949
 N = 560,397.826
 E = 334,385.553
 $\Delta = 2^\circ 18' 04''$ (LT)
 R = 500.000 m
 T = 10.042 m
 L = 20.081 m
 E = 0.101 m

SANITARY DISTRICT TRUSTEE'S SUBDIVISION



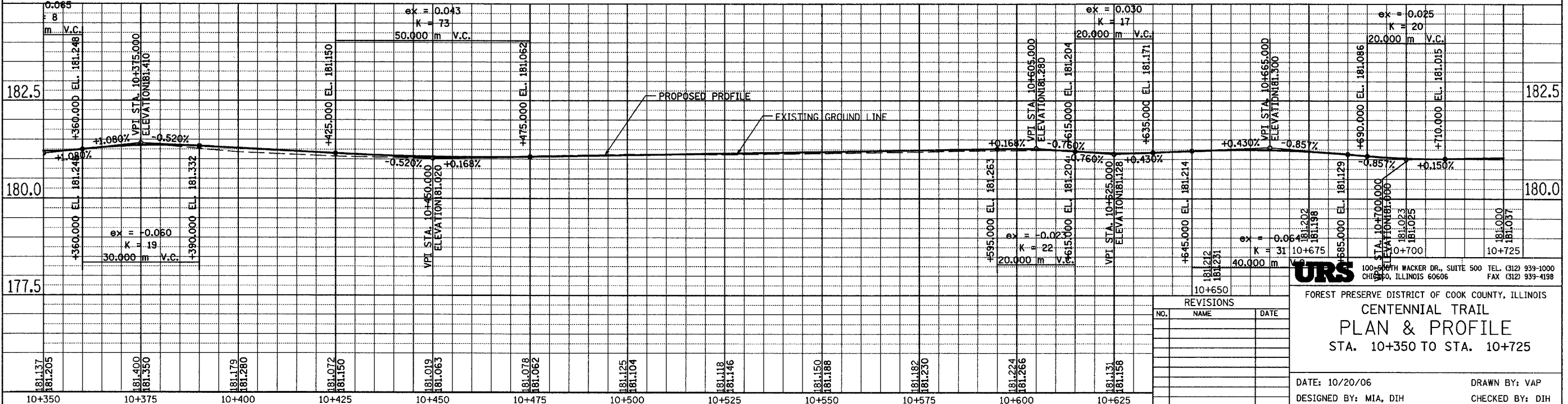
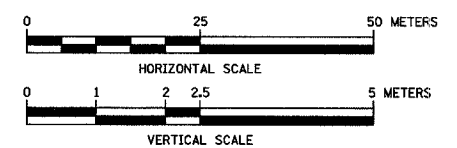
PROPOSED BICYCLE TRAIL
 AGGREGATE BASE COURSE, TYPE B, 150 mm
 HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 50mm
 PAINT PAVT. MKG. LINE 100 mm (SOLID YELLOW ALONG ϕ)

EXIST. BIKE PATH TO BE RESURFACED



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



REVISIONS		
NO.	NAME	DATE

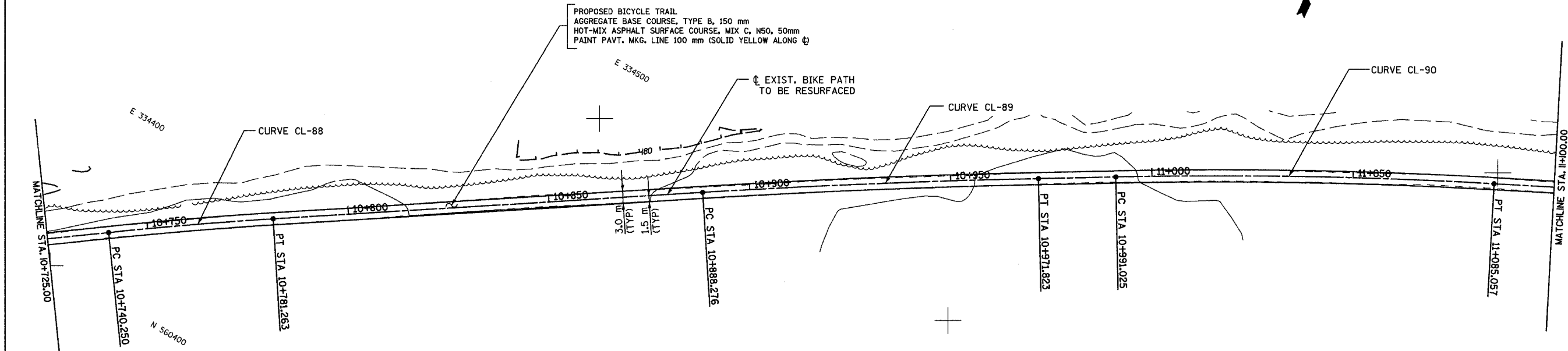
URS
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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 10+350 TO STA. 10+725

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

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

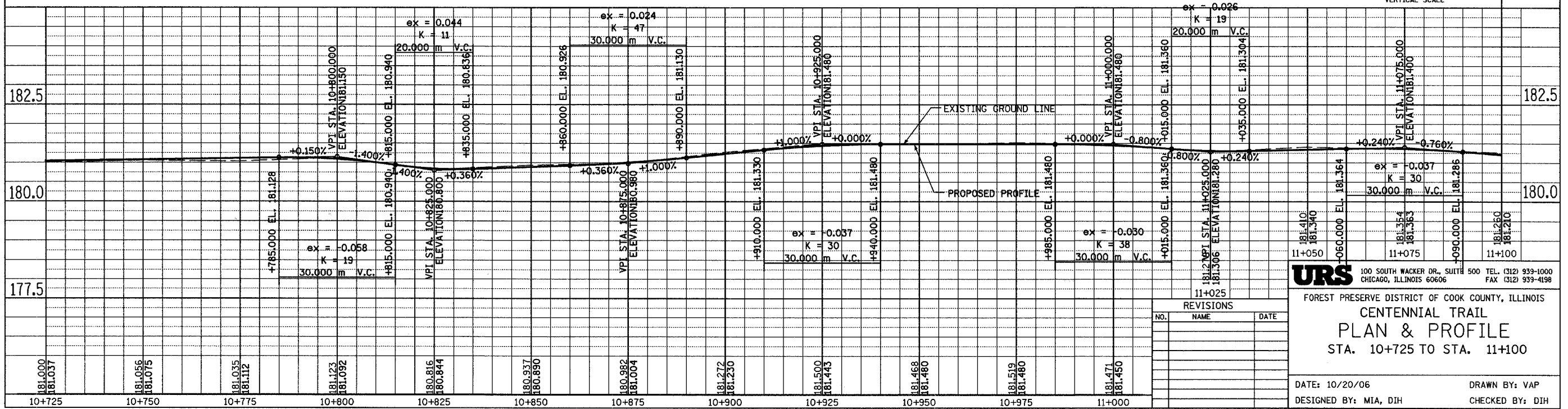
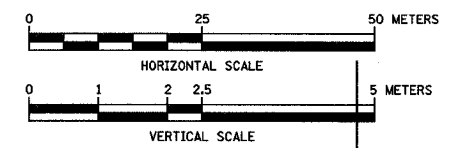
CONTRACT NO. 83859



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



REVISIONS		
NO.	NAME	DATE

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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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	41
STA. TO STA.			
100T PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			

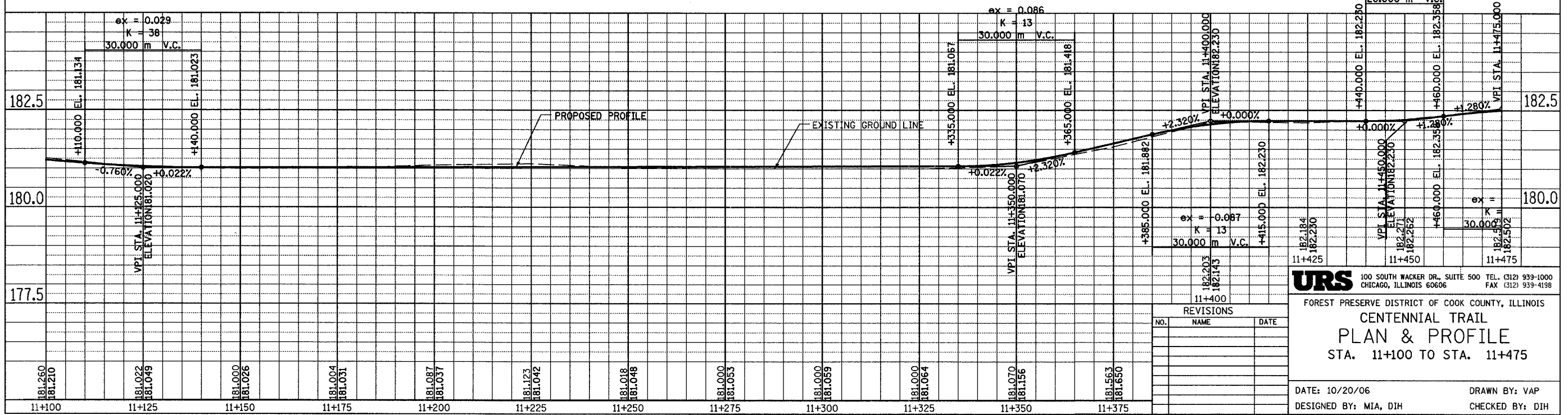
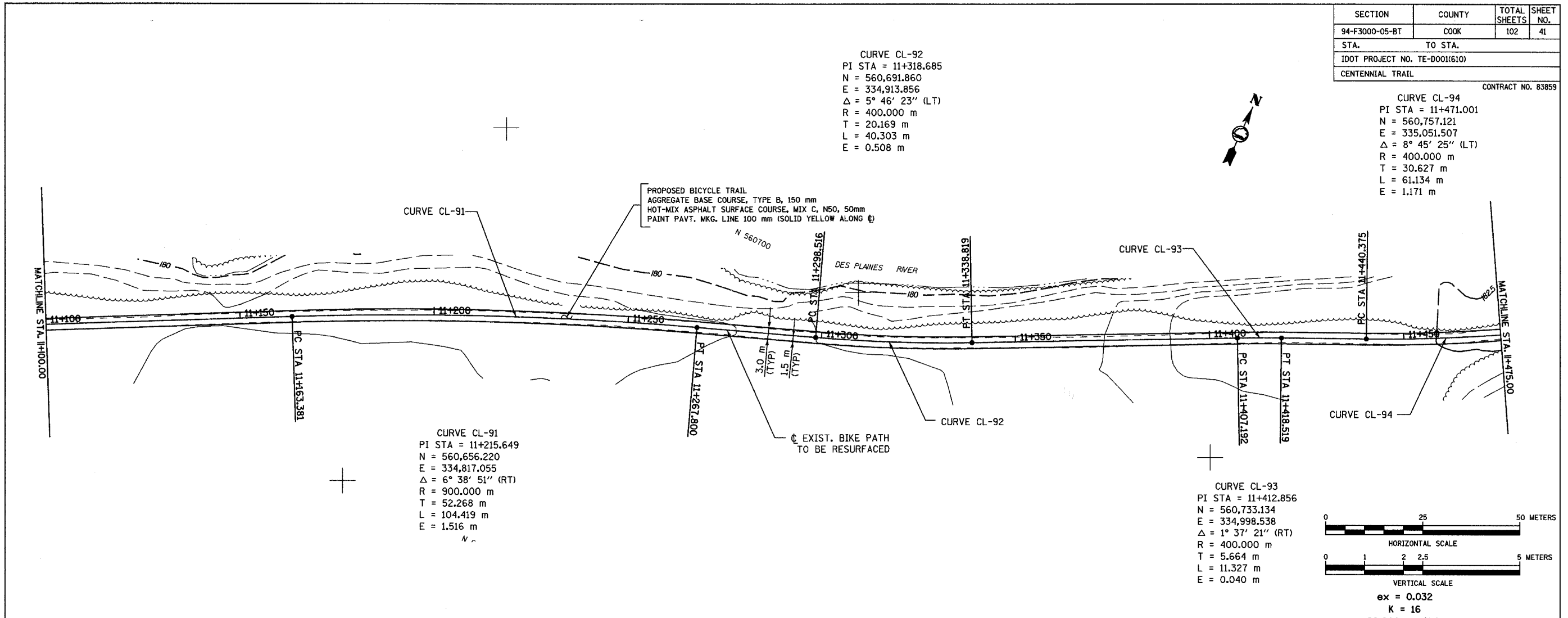
CONTRACT NO. 83859

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

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

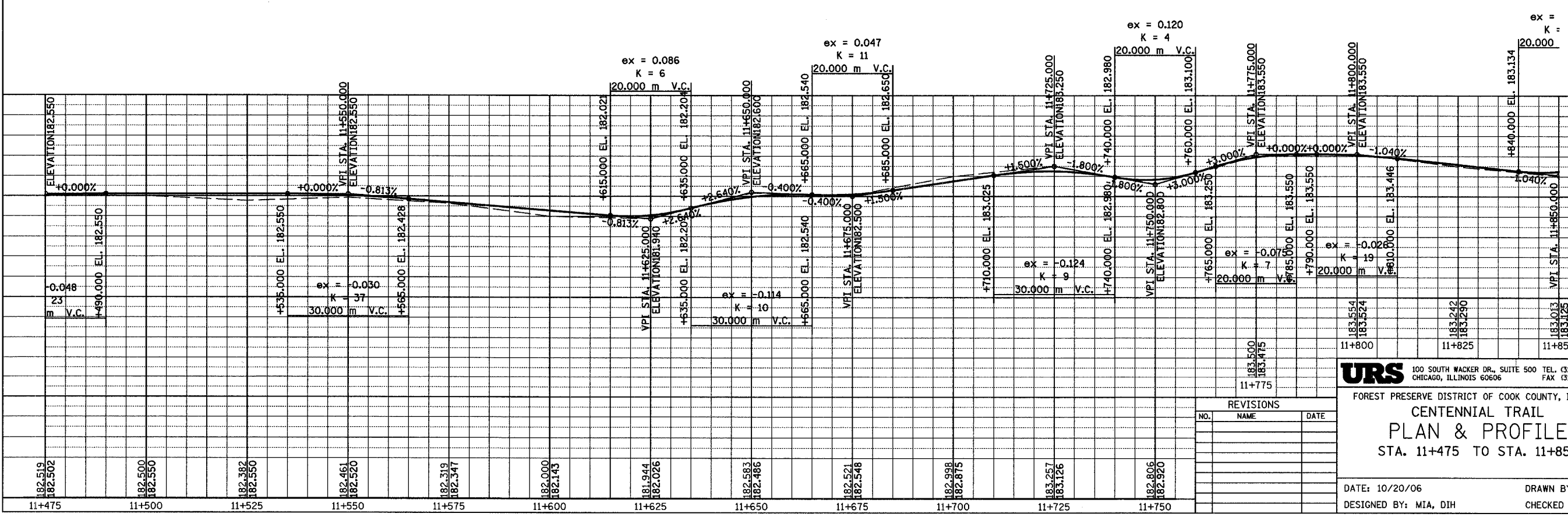
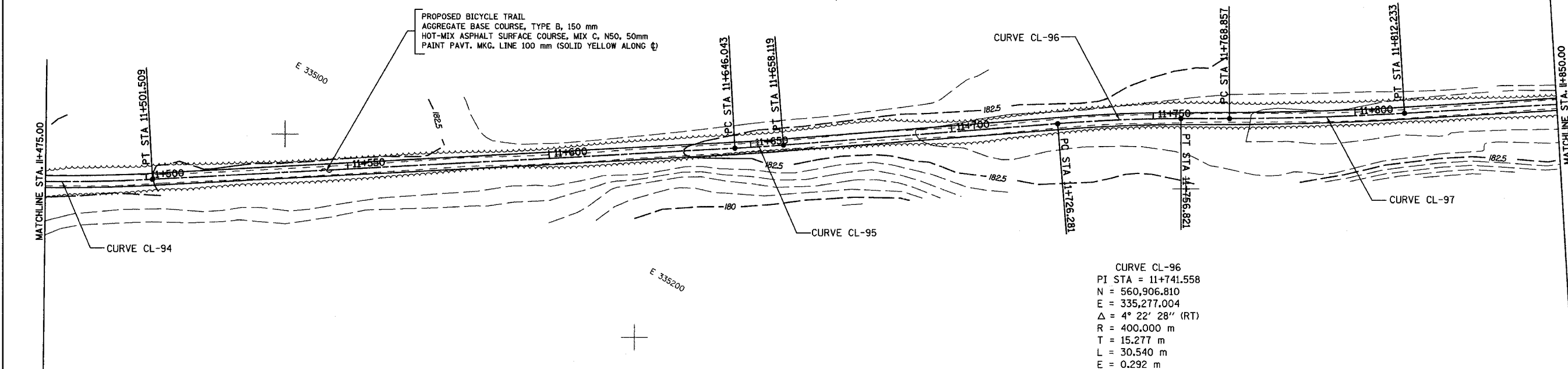
DATE: 10/20/06 DRAWN BY: VAP
 DESIGNED BY: MIA, DIH CHECKED BY: DIH

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	42
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

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



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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

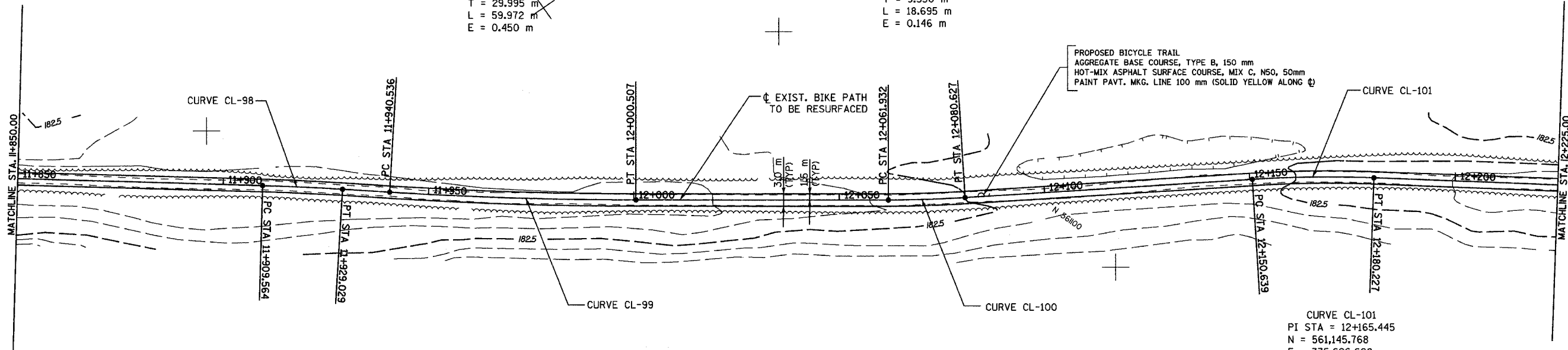
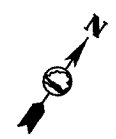
REVISIONS		
NO.	NAME	DATE

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

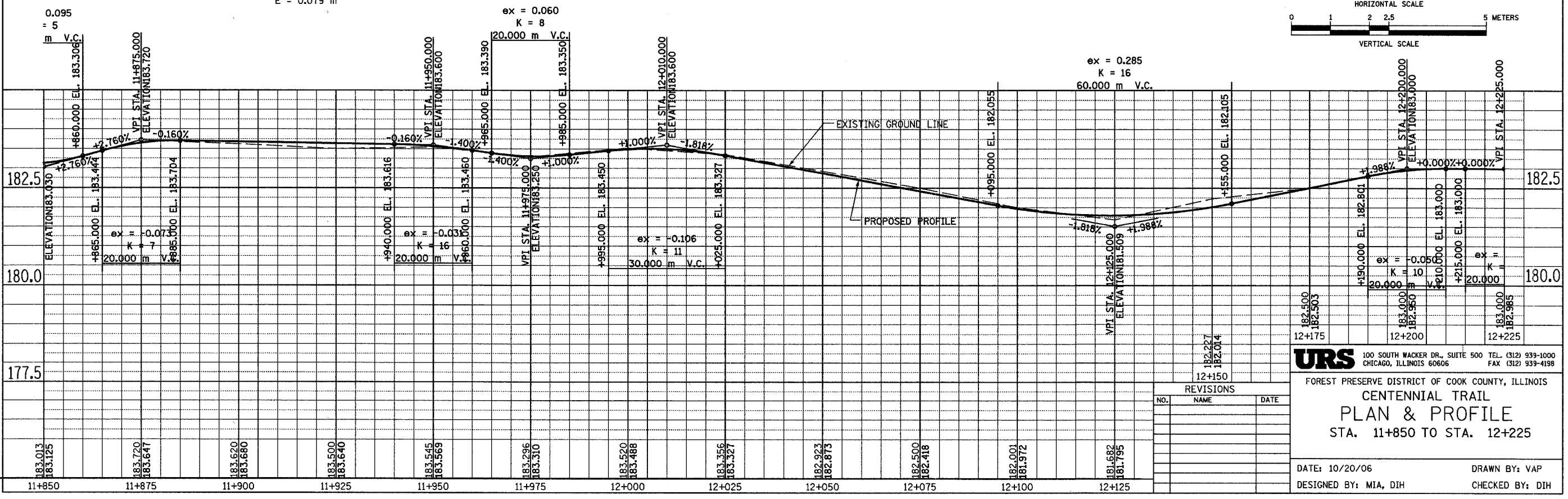
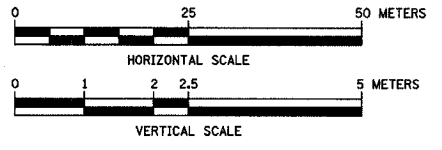
CURVE CL-99
 PI STA = 11+970.530
 N = 561,029.202
 E = 335,470.478
 $\Delta = 3^\circ 26' 10''$ (LT)
 R = 1,000.000 m
 T = 29.995 m
 L = 59.972 m
 E = 0.450 m

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



REVISIONS		
NO.	NAME	DATE

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FIRST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 11+850 TO STA. 12+225

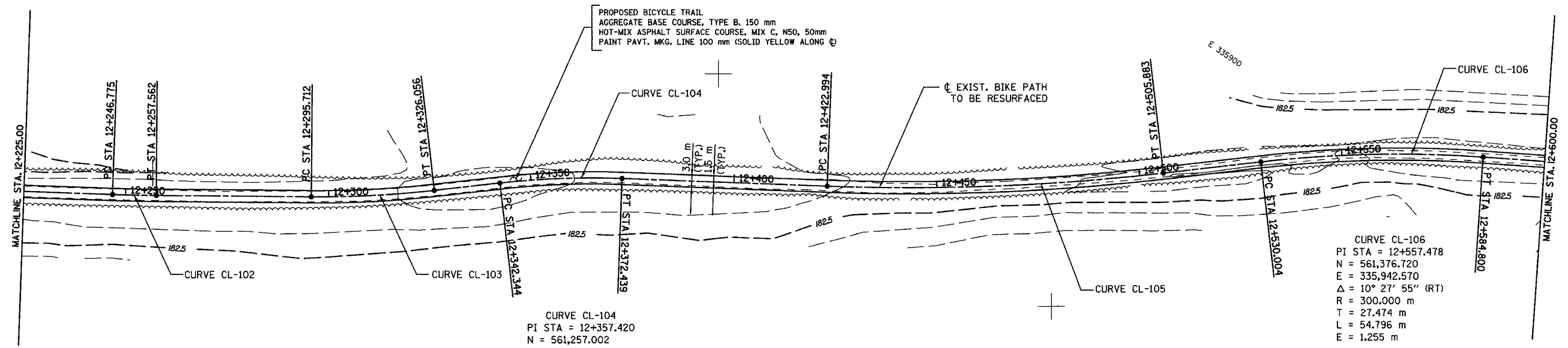
DATE: 10/20/06 DRAWN BY: VAP
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CURVE CL-102
 PI STA = 12+252.169
 N = 561,192.937
 E = 335,699.411
 $\Delta = 1^\circ 32' 43''$ (LT)
 R = 400.000 m
 T = 5.394 m
 L = 10.787 m
 E = 0.036 m

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

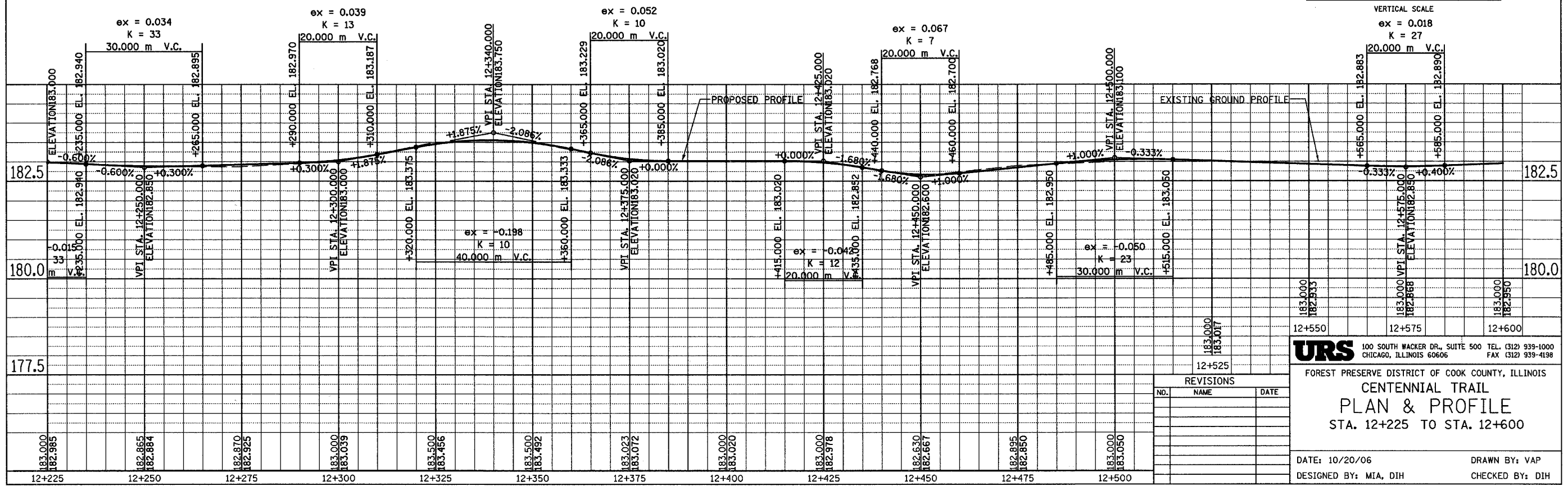
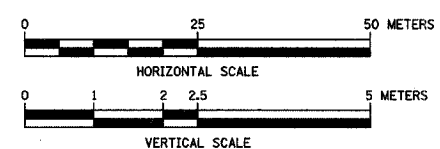
CURVE CL-105
 PI STA = 12+464.517
 N = 561,315.076
 E = 335,872.778
 $\Delta = 8^\circ 38' 06''$ (LT)
 R = 550.000 m
 T = 41.523 m
 L = 82.889 m
 E = 1.565 m

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	44
STA. TO STA.			
IDOT PROJECT NO. TE-0001(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



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URS
 FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 12+225 TO STA. 12+600

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

REVISIONS		
NO.	NAME	DATE

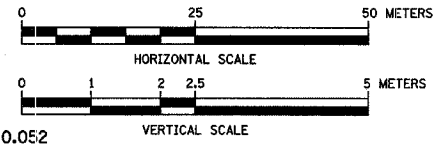
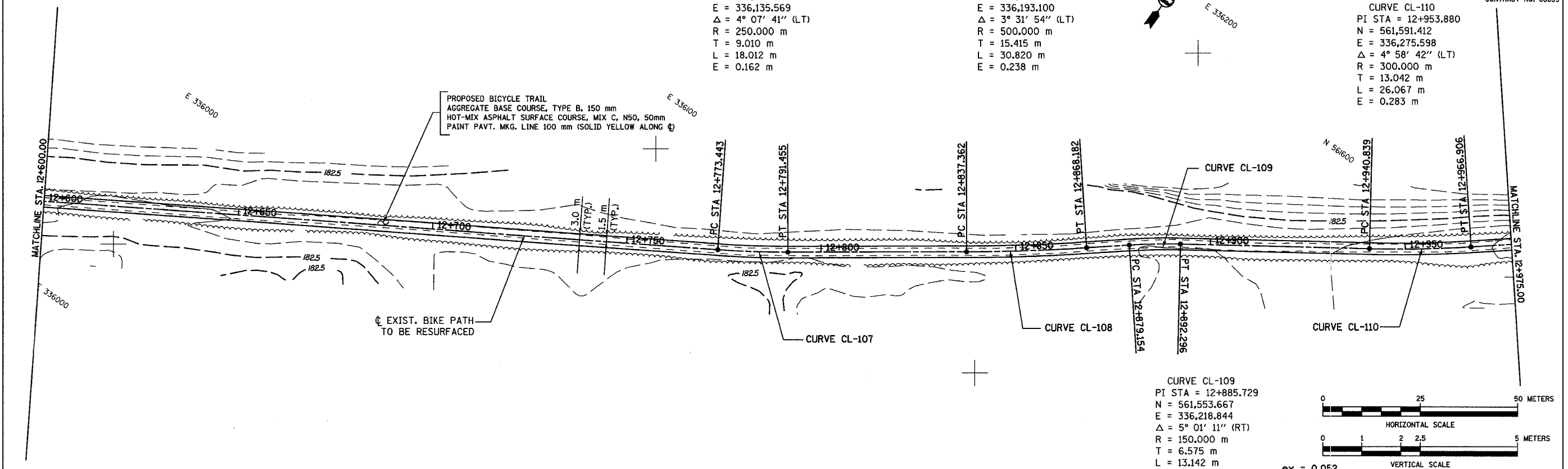
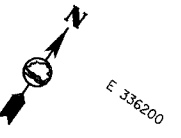
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	45
STA. TO STA.			
IDOT PROJECT NO. TE-D001610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

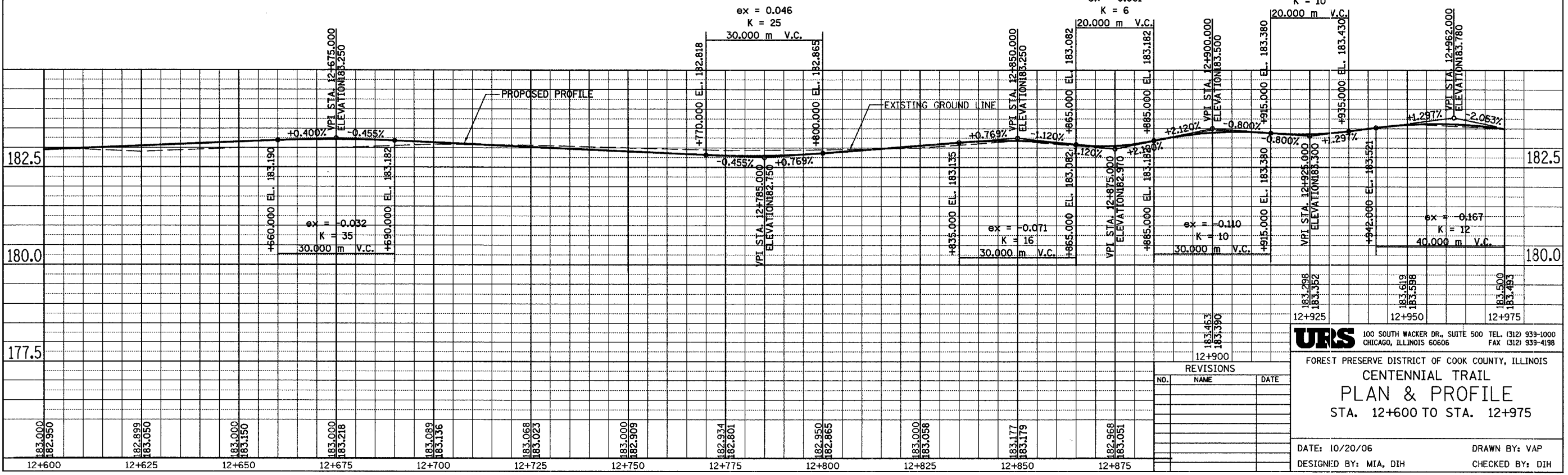
CURVE CL-107
 PI STA = 12+782.453
 N = 561,492.625
 E = 336,135.569
 $\Delta = 4^\circ 07' 41''$ (LT)
 R = 250.000 m
 T = 9.010 m
 L = 18.012 m
 E = 0.162 m

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



REVISIONS		
NO.	NAME	DATE

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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

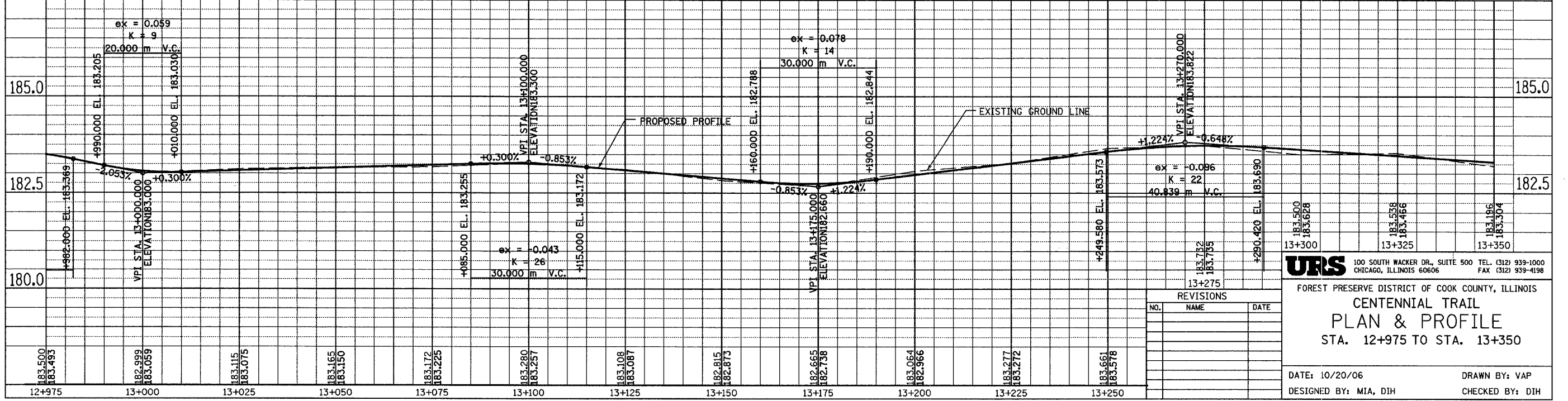
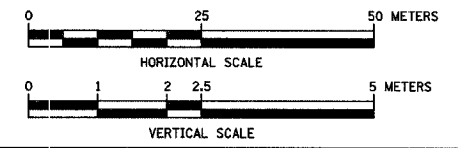
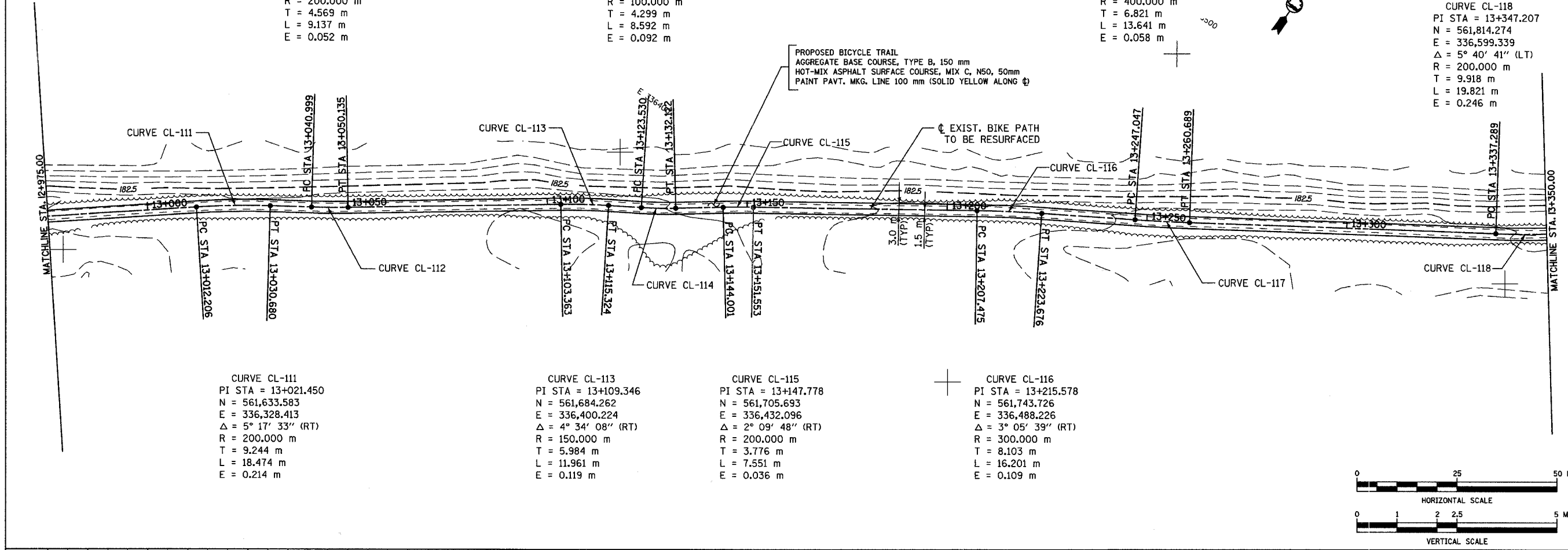
CURVE CL-113
 PI STA = 13+109.346
 N = 561,684.262
 E = 336,400.224
 $\Delta = 4^\circ 34' 08''$ (RT)
 R = 150.000 m
 T = 5.984 m
 L = 11.961 m
 E = 0.119 m

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

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 ϕ)

EXIST. BIKE PATH
 TO BE RESURFACED



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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

CURVE CL-121
 PI STA = 13+522.516
 N = 561,909.996
 E = 336,745.849
 $\Delta = 10^\circ 33' 35''$ (LT)
 R = 80,000 m
 T = 7.393 m
 L = 14,744 m
 E = 0.341 m

CURVE CL-123
 PI STA = 13+597.348
 N = 561,948.689
 E = 336,809.726
 $\Delta = 16^\circ 43' 37''$ (LT)
 R = 70,000 m
 T = 10.291 m
 L = 20.436 m
 E = 0.752 m

CURVE CL-119
 PI STA = 13+390.866
 N = 561,841.558
 E = 336,633.444
 $\Delta = 6^\circ 22' 53''$ (RT)
 R = 300,000 m
 T = 16.724 m
 L = 33.413 m
 E = 0.466 m

CURVE CL-120
 PI STA = 13+501.448
 N = 561,900.629
 E = 336,726.968
 $\Delta = 5^\circ 53' 26''$ (RT)
 R = 100,000 m
 T = 5.145 m
 L = 10.281 m
 E = 0.132 m

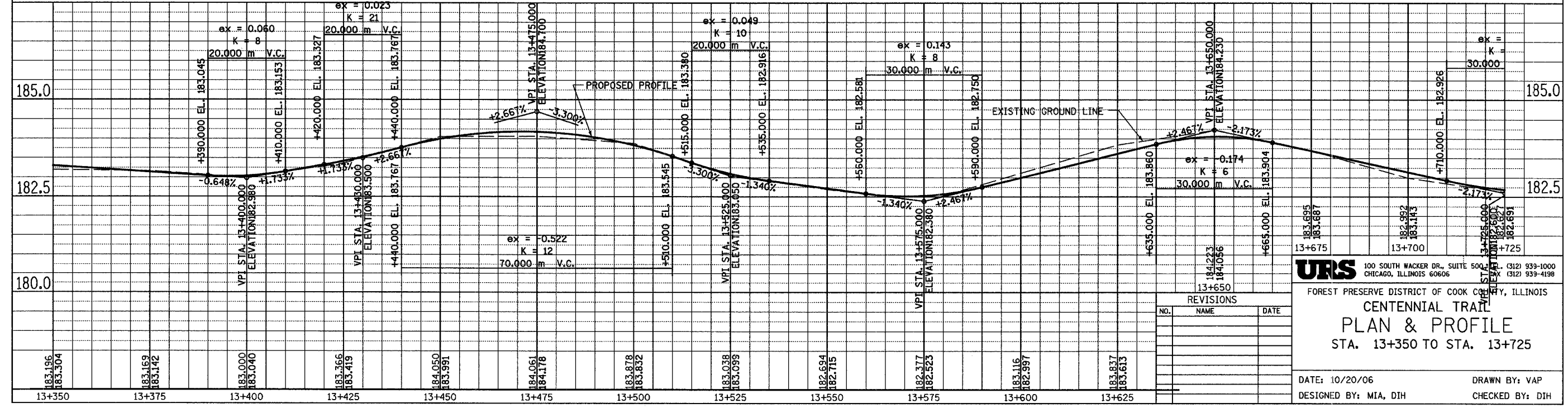
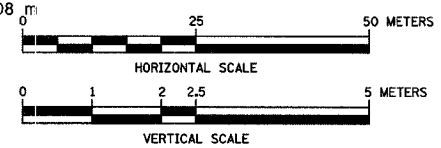
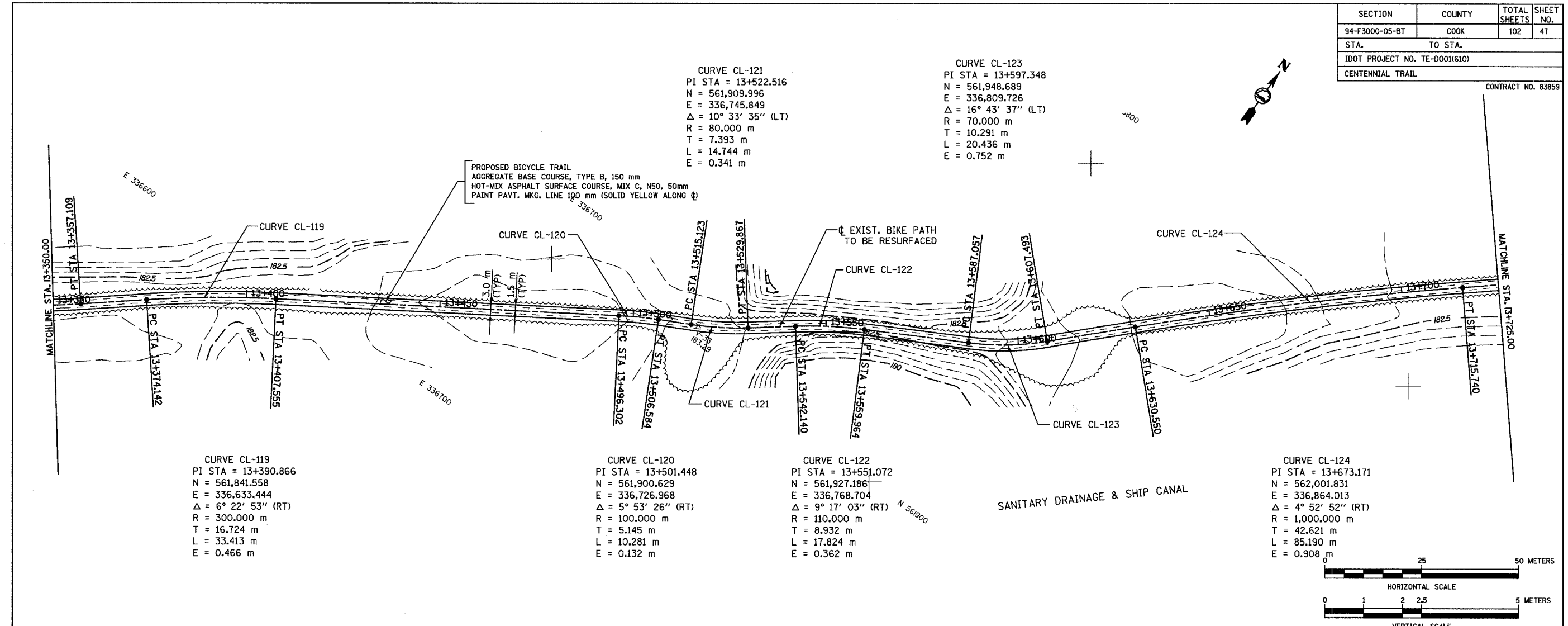
CURVE CL-122
 PI STA = 13+551.072
 N = 561,927.186
 E = 336,768.704
 $\Delta = 9^\circ 17' 03''$ (RT)
 R = 110,000 m
 T = 8.932 m
 L = 17.824 m
 E = 0.362 m

CURVE CL-124
 PI STA = 13+673.171
 N = 562,001.831
 E = 336,864.013
 $\Delta = 4^\circ 52' 52''$ (RT)
 R = 1,000,000 m
 T = 42.621 m
 L = 85.190 m
 E = 0.908 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 ϕ)

EXIST. BIKE PATH
 TO BE RESURFACED

SANITARY DRAINAGE & SHIP CANAL



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FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 13+350 TO STA. 13+725

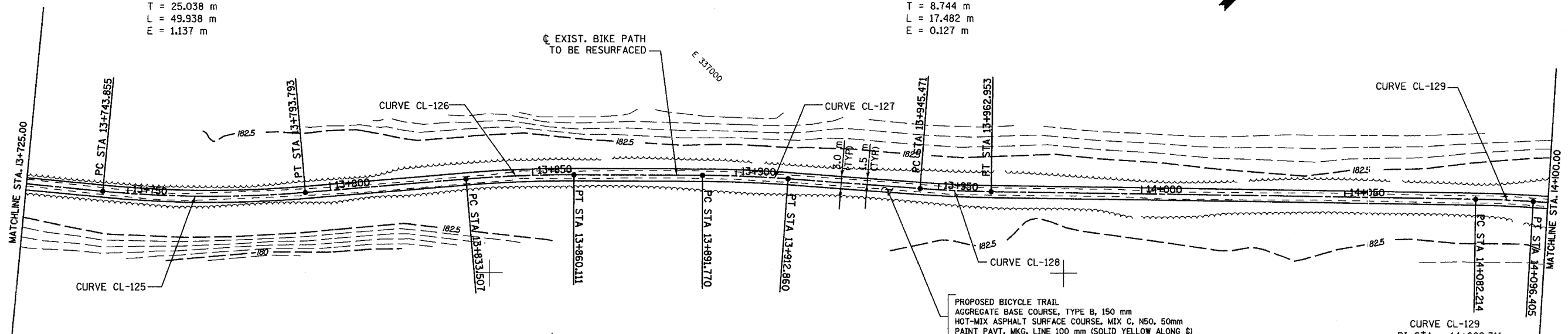
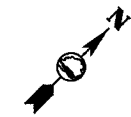
DATE: 10/20/06
 DESIGNED BY: MIA, DIH
 DRAWN BY: VAP
 CHECKED BY: DIH

NO.	NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	48
STA. TO STA.			
IDOT PROJECT NO. TE-0001(610)			
CENTENNIAL TRAIL		CONTRACT NO. 83859	

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

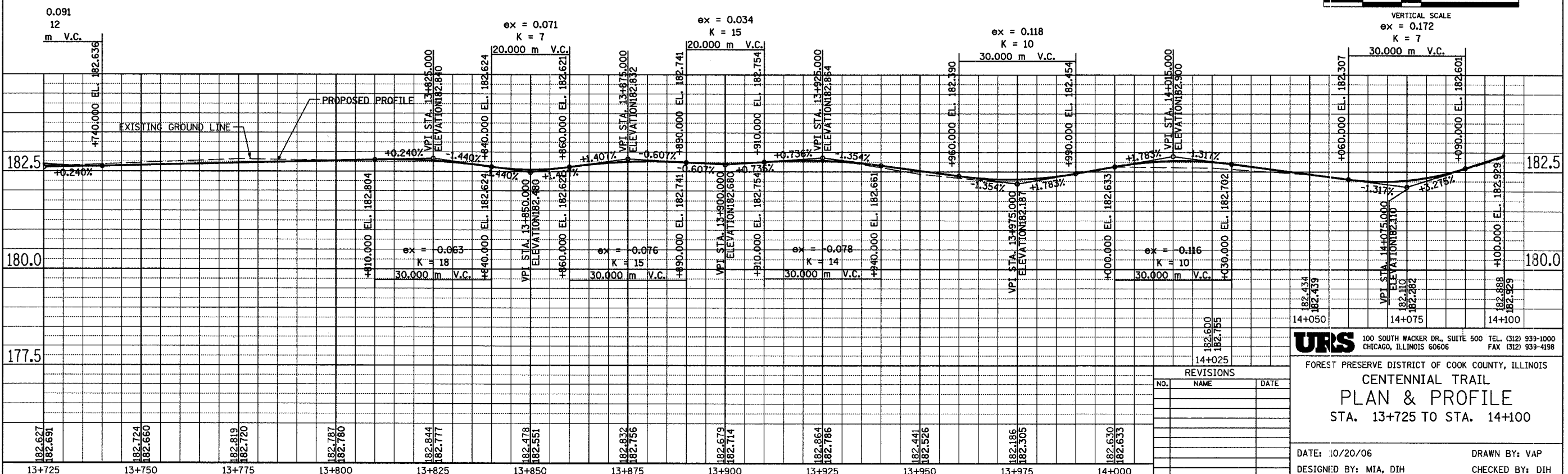
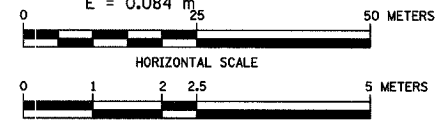
CURVE CL-128
 PI STA = 13+954.214
 N = 562,195.545
 E = 337,066.836
 $\Delta = 3^\circ 20' 20''$ (LT)
 R = 300.000 m
 T = 8.744 m
 L = 17.482 m
 E = 0.127 m



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



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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

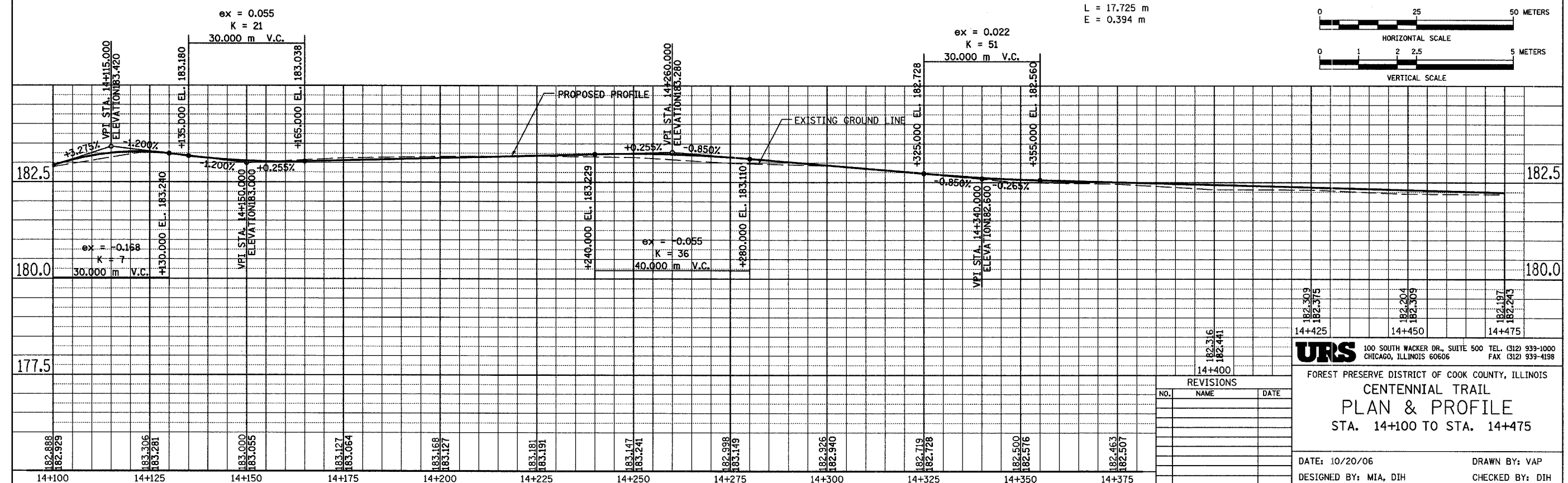
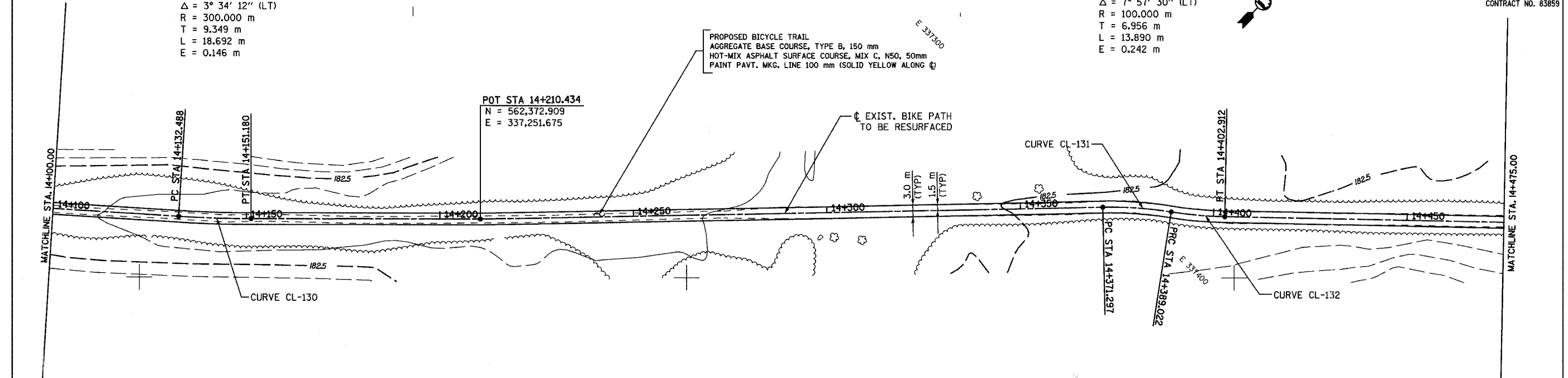
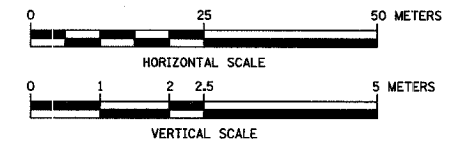
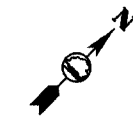
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	49
STA. TO STA.			
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

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



REVISIONS		
NO.	NAME	DATE

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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

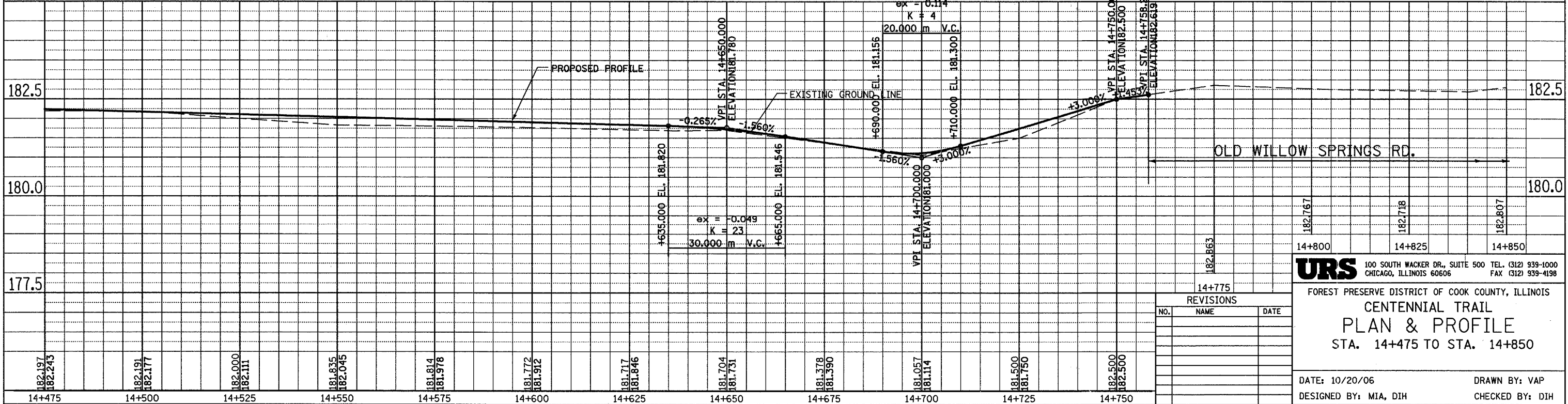
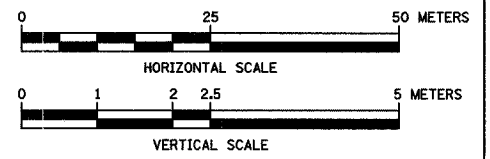
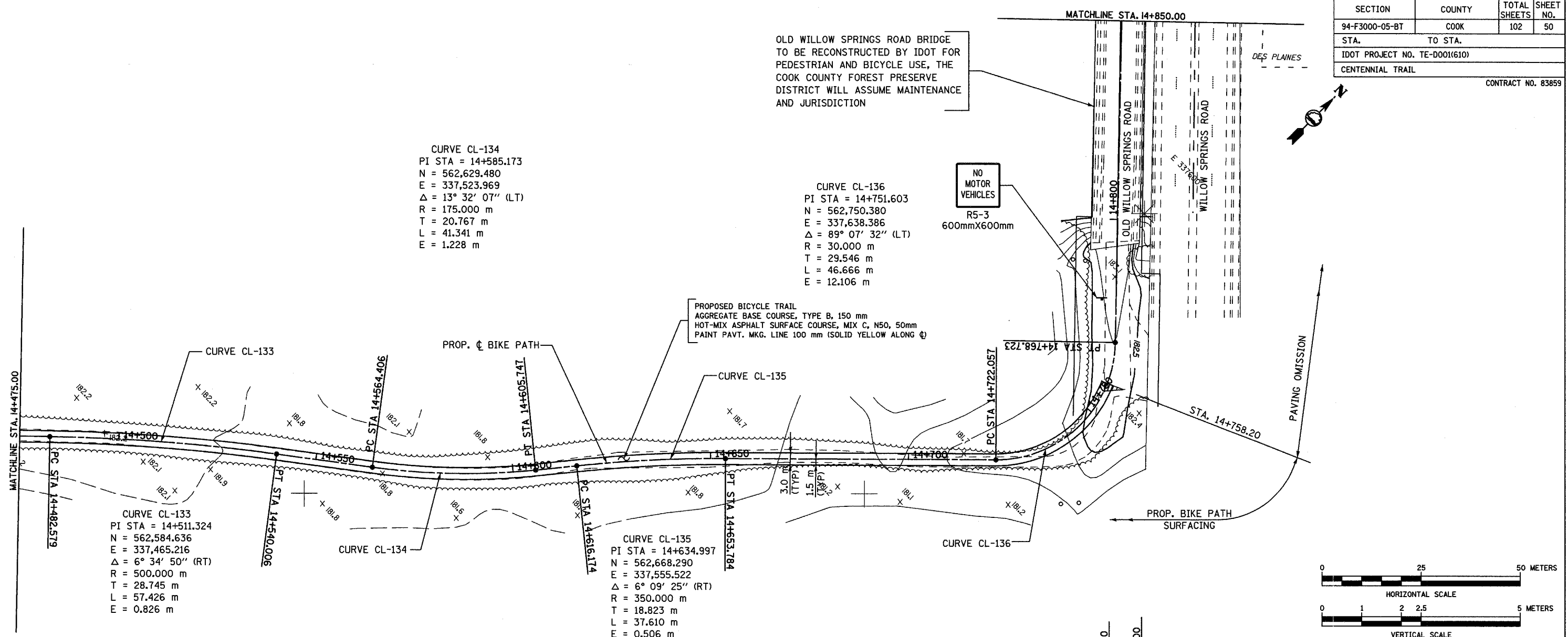
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	50
STA.	TO STA.		
IDOT PROJECT NO. TE-D001(610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			

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

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 ϕ)



REVISIONS		
NO.	NAME	DATE

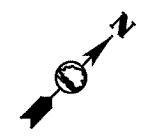
URS 100 SOUTH WACKER DR., SUITE 500 TEL. (312) 939-1000
 CHICAGO, ILLINOIS 60606 FAX (312) 939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY, ILLINOIS
CENTENNIAL TRAIL
PLAN & PROFILE
 STA. 14+475 TO STA. 14+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	51
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

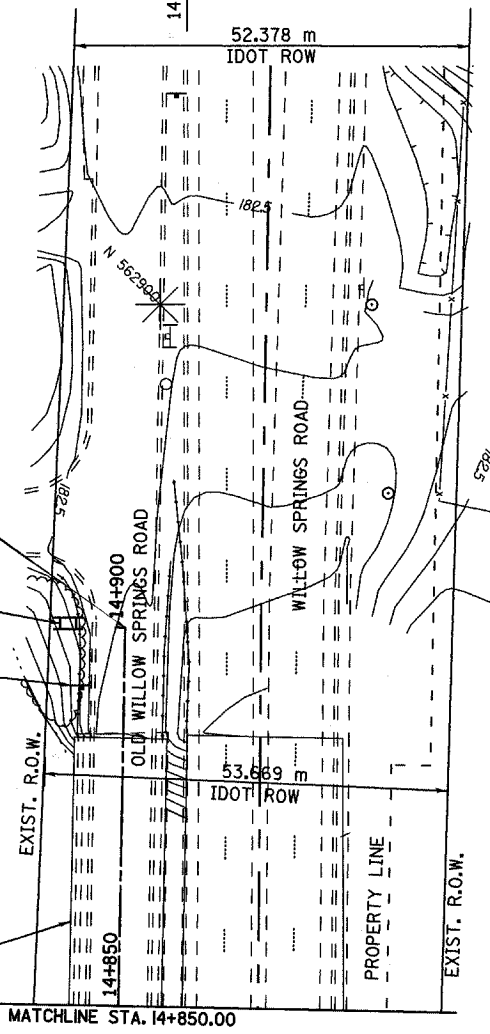
CONTRACT NO. 83859



SEGMENT 3
PAVING OMISSION



14+946

SEGMENT 4
FUTURE BIKE PATH
(NOT IN CONTRACT)



END CONSTRUCTION
STA. 14+900

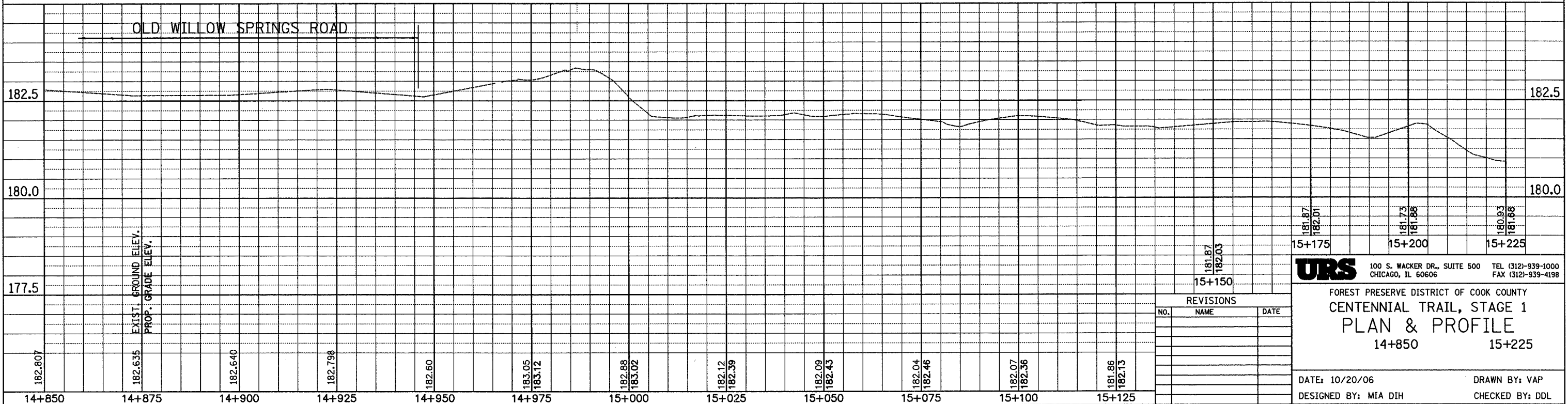
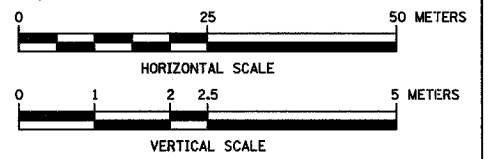
TRAIL HEAD SIGN, COMPLETE
(LOCATION TO BE DETERMINED
BY FPDCC LANDSCAPE ARCH)

- D11-1
600 mm X 450 mm
 - M 7-2
300mm x 225mm
- 
- 

OLD WILLOW SPRINGS ROAD BRIDGE
TO BE RECONSTRUCTED BY OTHERS

MATCHLINE STA. 14+850.00

DES PLAINES RIVER



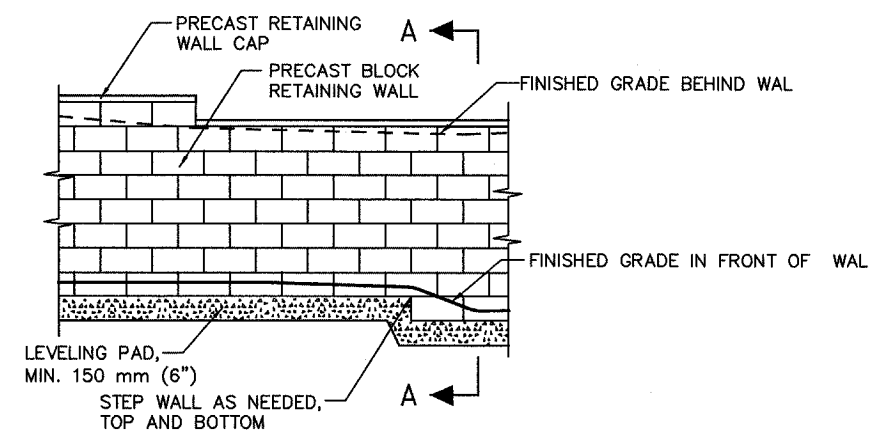
REVISIONS		
NO.	NAME	DATE

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

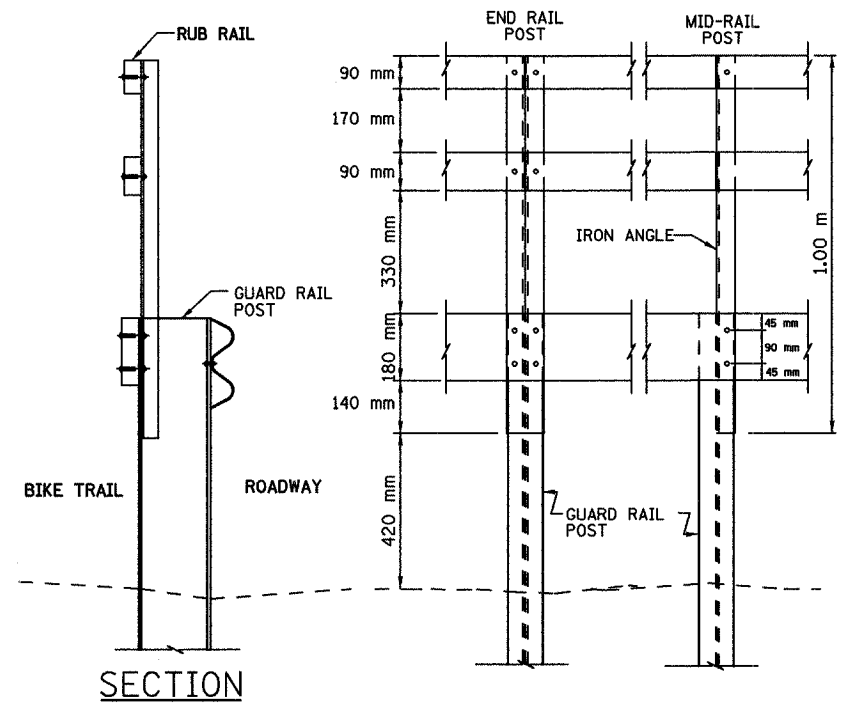
FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL, STAGE 1
PLAN & PROFILE
14+850 15+225

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

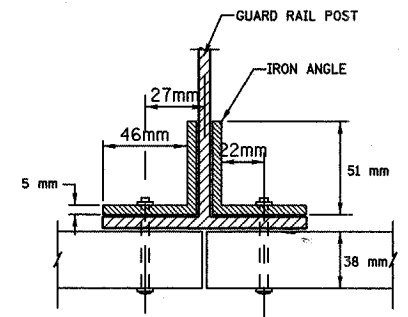
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	68
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL		CONTRACT NO. 83859	



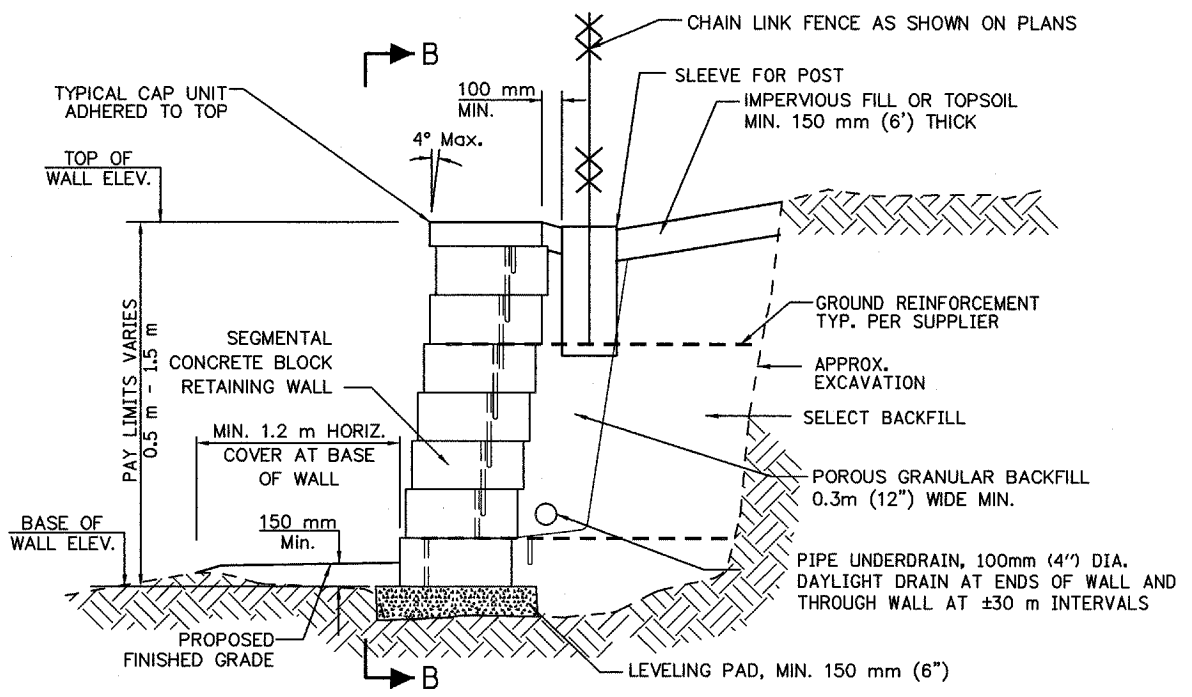
**SECTION B-B
ELEVATION**



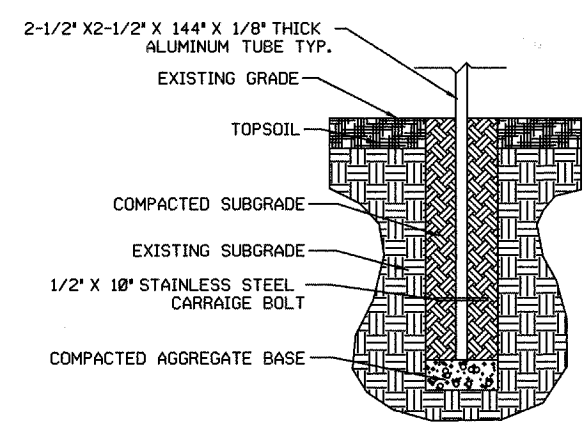
**SECTION
RUB RAIL ASSEMBLY DETAIL**
NOTE: RAILS EXTEND 2 SPANS OF STEEL GUARD RAIL POSTS
N.T.S.



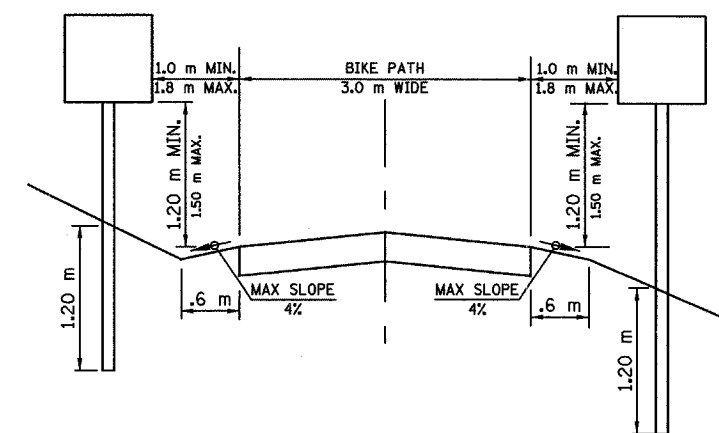
**POST BOLT & NUT
PER STD. 630001-04**



**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

1. 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.
2. RETAINING WALL EQUIVALENT FLUID PRESSURE = 50(PCF)
3. REINFORCING BARS SHALL BE GRADE 60
4. GROUT MORTAR, f'm = 2500 psi (MIN.)
5. 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.
6. EXCAVATION, LEVELING PAD, BACKFILL, PIPE UNDERDRAIN, GROUND REINFORCEMENT, GROUND RESTORATION, AND SEEDING OF RESTORED GROUND ARE INCLUDED IN COST OF CONCRETE BLOCK RETAINING WALL.
7. 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. METERS	BASE OF WALL ELEV. METERS	WALL HEIGHT METERS
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

REVISIONS		
NO.	NAME	DATE

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

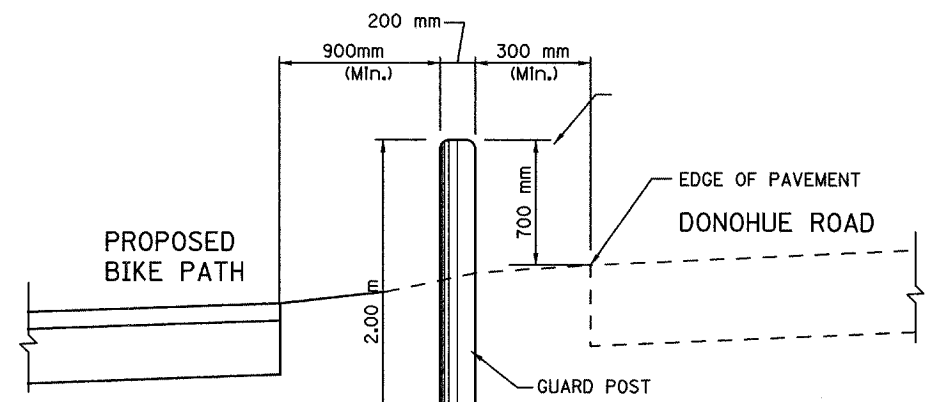
FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL

MISCELLANEOUS DETAILS

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

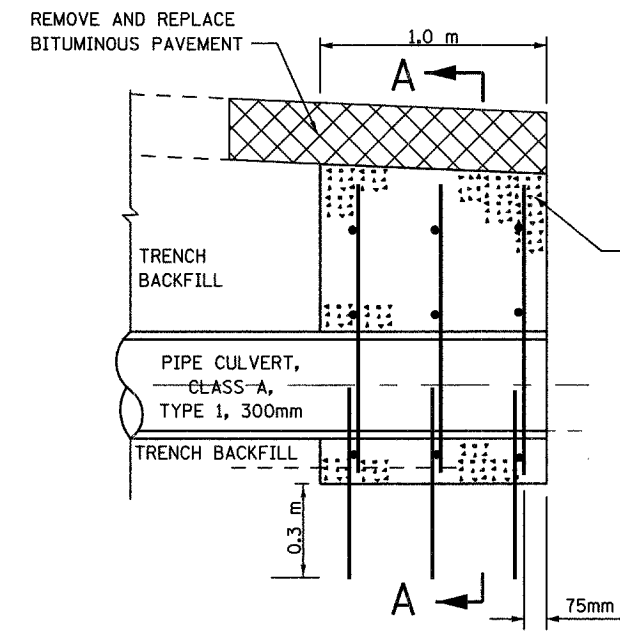
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	69
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859

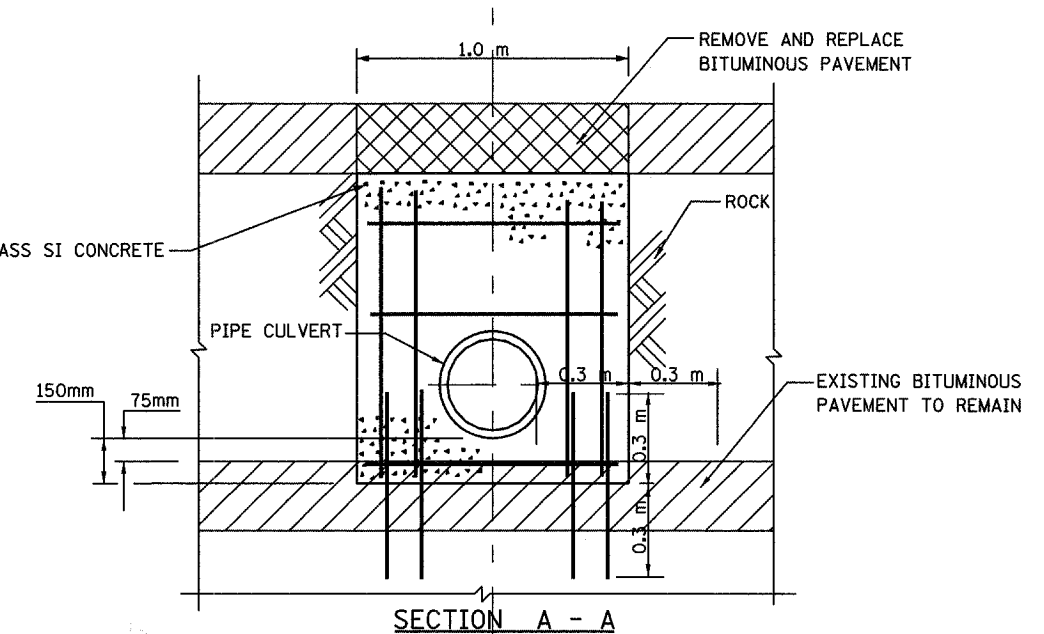


NOTE:
 GUARD POSTS ARE TO BE SET AT
 6.0 m (+/- 0.60 m) INTERVALS ALONG
 DONOHUE ROAD
 STA. 0+030 TO STA. 2+418

GUARD POST DETAIL
 N.T.S.



CROSS SECTION



SECTION A - A

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.

CONCRETE HEADWALL FOR PIPE DRAIN
 N.T.S.

REVISIONS		
NO.	NAME	DATE

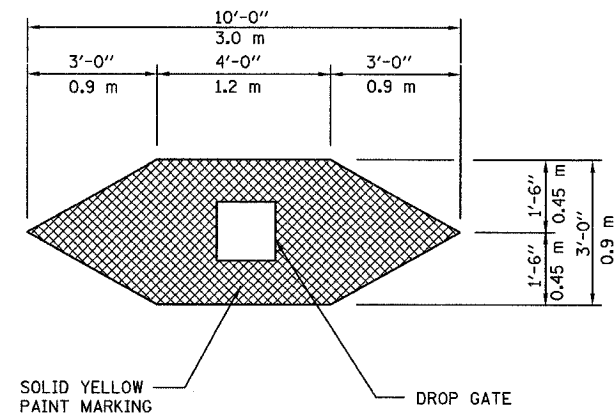
URS 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000
 CHICAGO, IL 60606 FAX (312)-939-4198

FOREST PRESERVE DISTRICT OF COOK COUNTY
 CENTENNIAL TRAIL

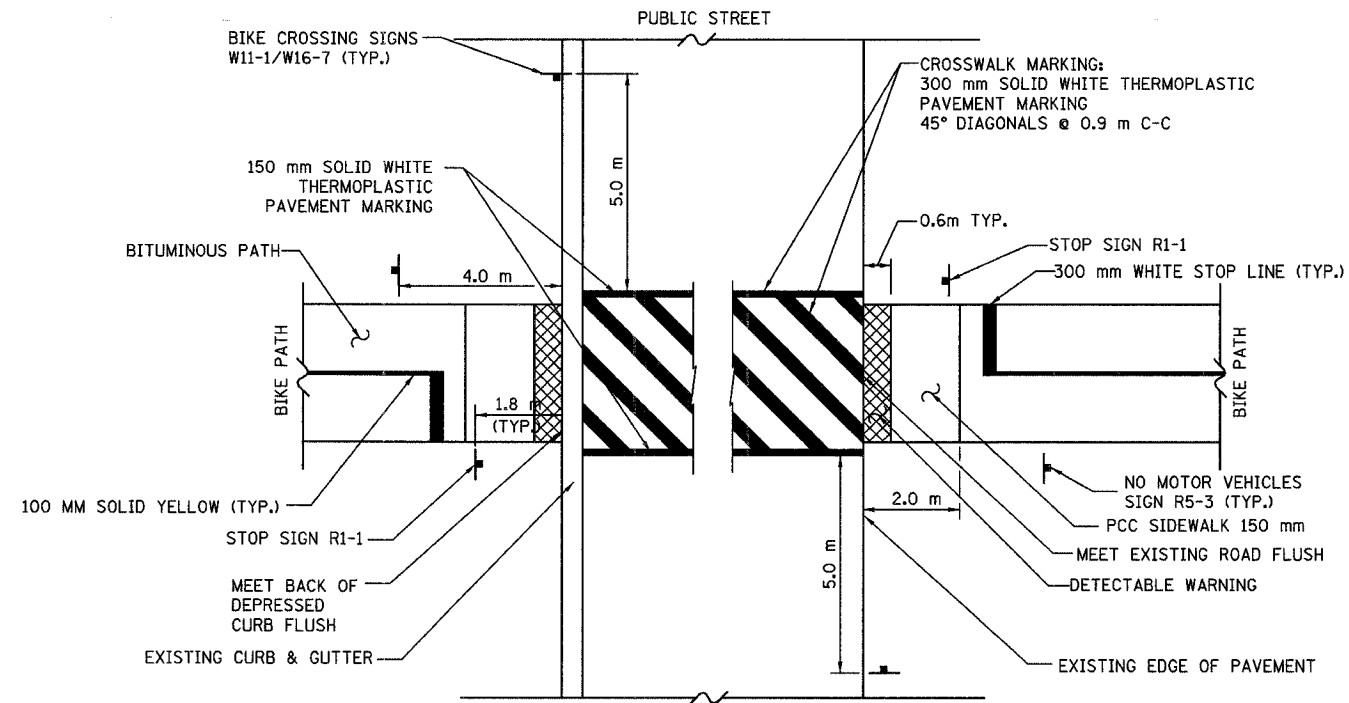
MISCELLANEOUS DETAILS

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

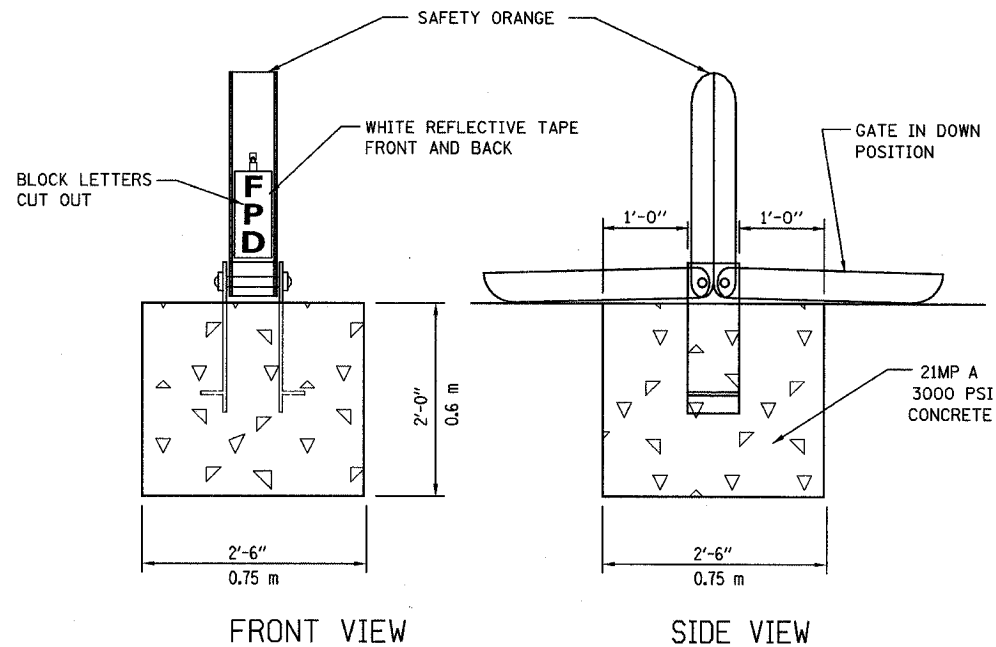
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	70
STA. TO STA.			
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			
CONTRACT NO. 83859			



DROP GATE MARKING DETAIL
N.T.S.

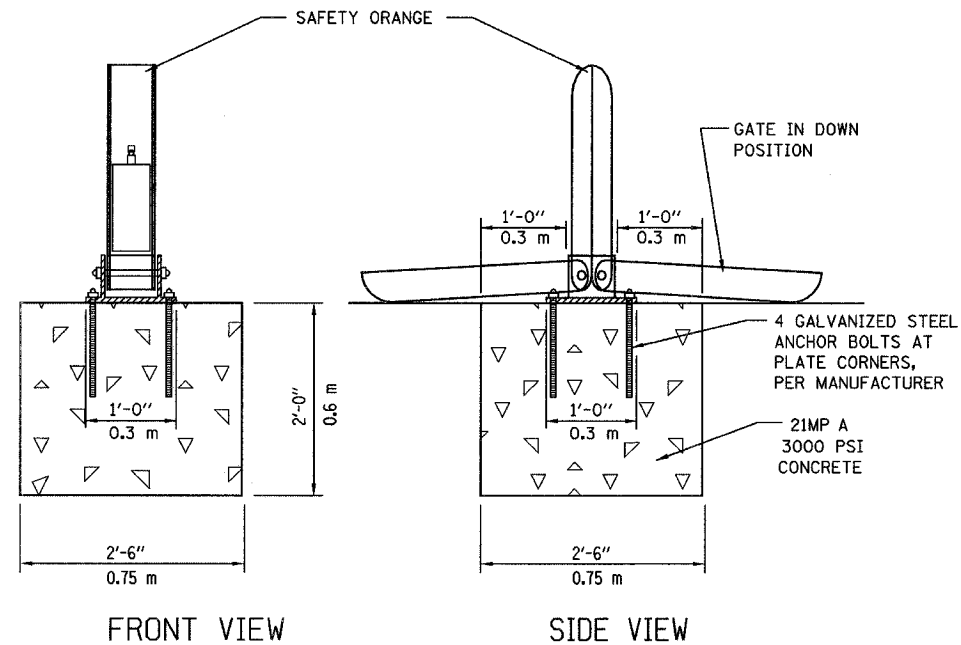


STREET INTERSECTION SIGN AND PAVEMENT MARKING DETAIL
N.T.S.



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, SPECIAL 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.

DROP GATE INSTALLATION DETAIL
N.T.S.

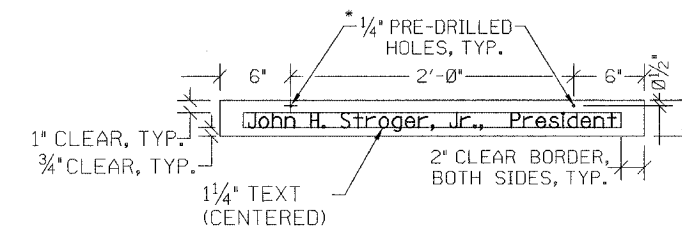
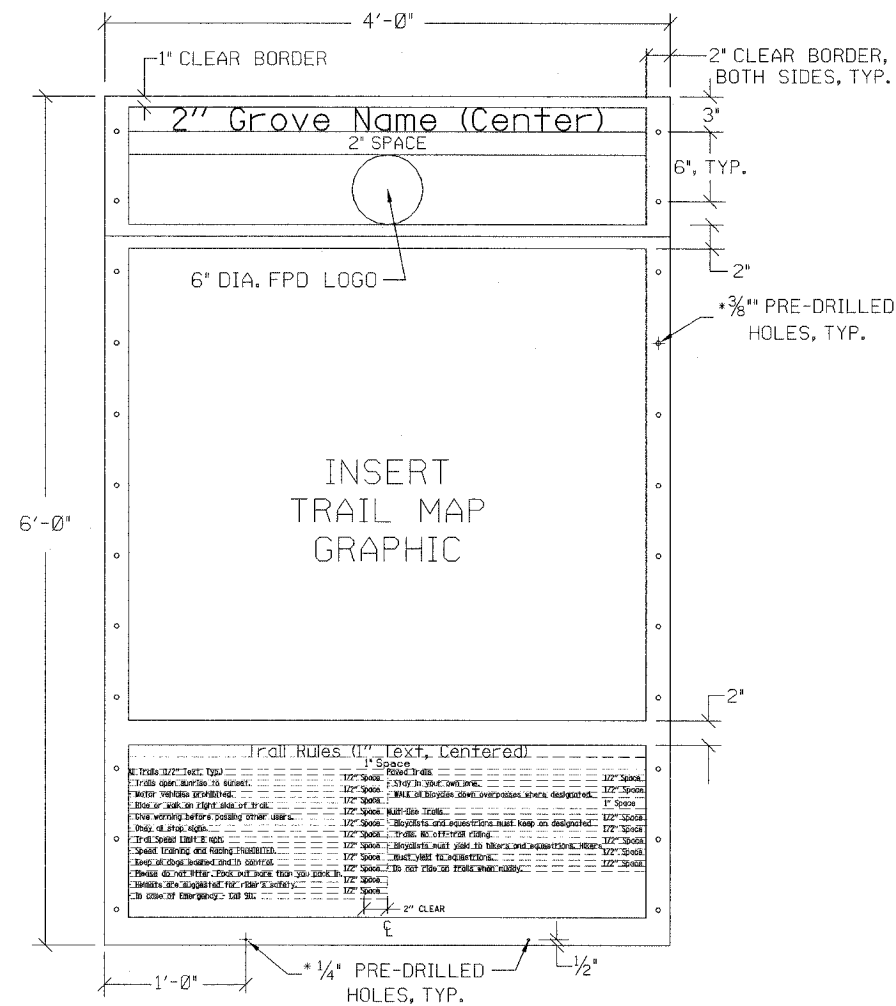
REVISIONS		
NO.	NAME	DATE

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
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 ROF 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

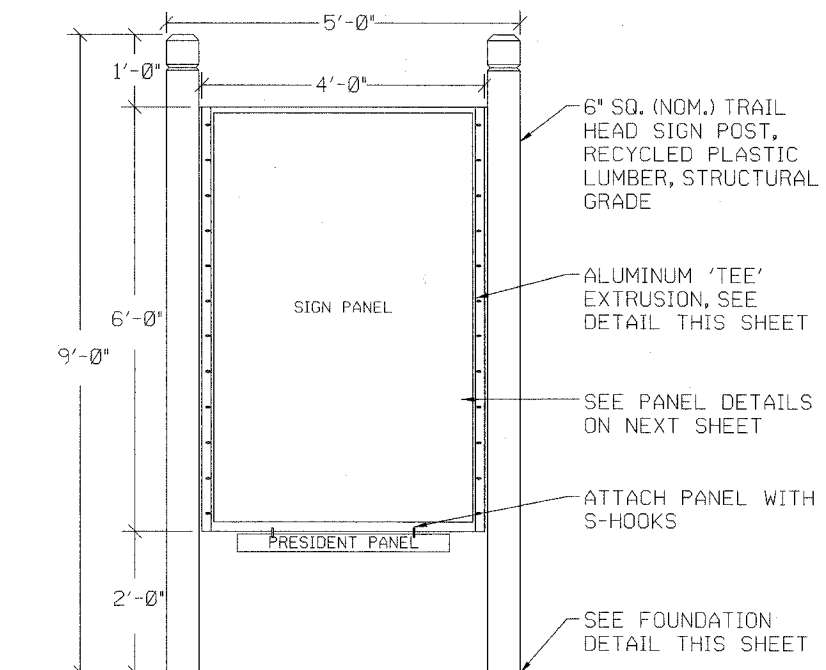
FOREST PRESERVE DISTRICT OF COOK COUNTY
CENTENNIAL TRAIL

SIGN PANEL DETAIL

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

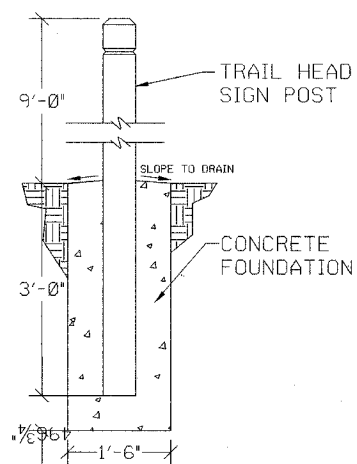
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT	COOK	102	72
STA.	TO STA.		
PROJECT NO. TE-D001 (610)			
CENTENNIAL TRAIL			

CONTRACT NO. 83859



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

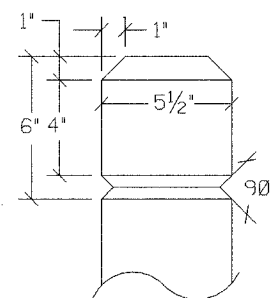
TRAIL HEAD SIGN
N.T.S.



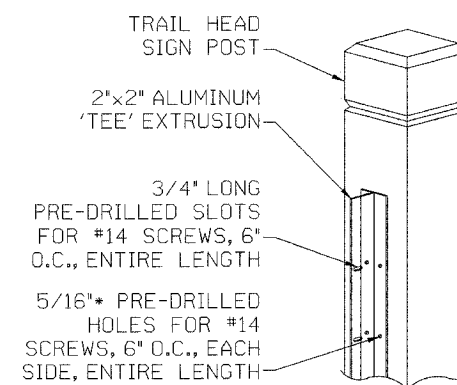
TRAIL HEAD POST FOUNDATION
N.T.S.

NOTES:

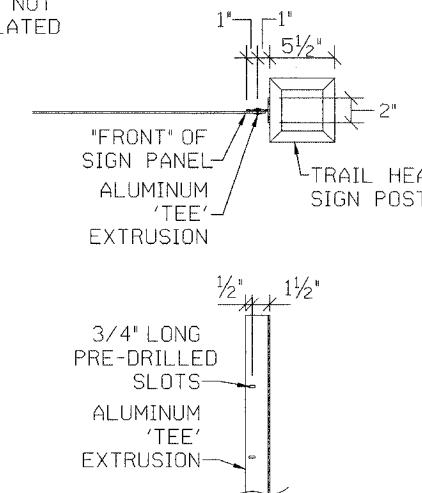
1. FASTEN TEE TO POST WITH #14 x 1.5" SIX-LOBE SECURITY SCREWS, BUTTON HEAD, TYPE SMS, STAINLESS STEEL AND WASHER.
2. FASTEN SIGN PANEL TO TEE WITH #14 x 1" SIX-LOBE SECURITY SCREWS, BUTTON HEAD, TYPE M/S, STAINLESS STEEL, ONE #14 WASHER AND ONE #14 TAMPER-PROOF NUT AS MANUFACTURED BY GUARD-NUT INC.,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



POST TOP DETAIL



ALUMINUM EXTRUSION



TRAIL HEAD POST DETAILS
N.T.S.

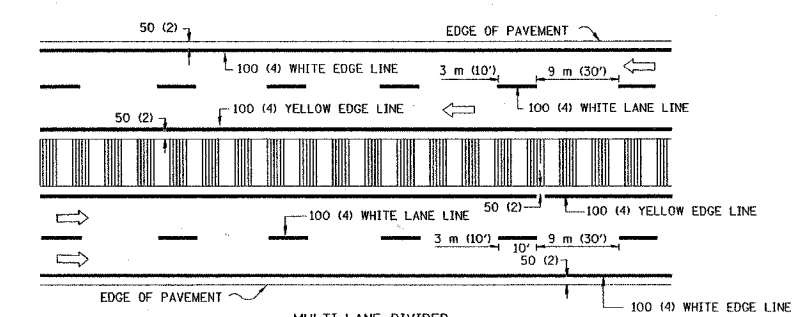
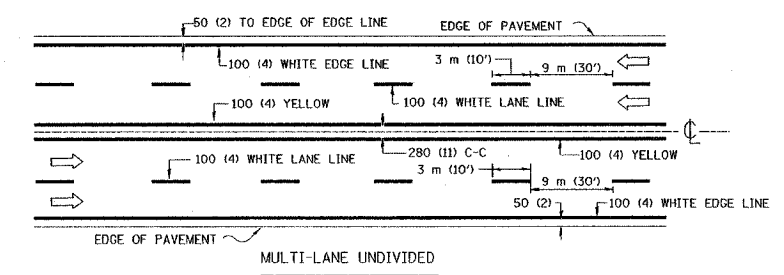
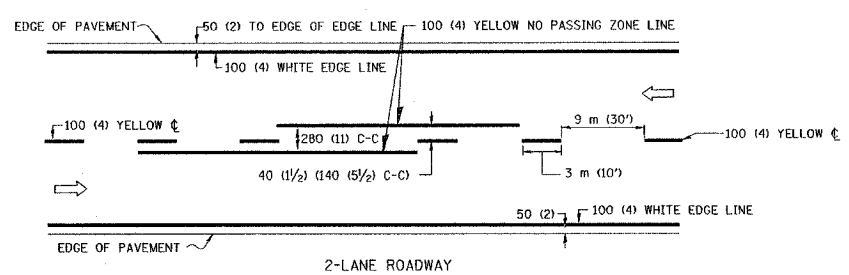
REVISIONS		
NO.	NAME	DATE

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

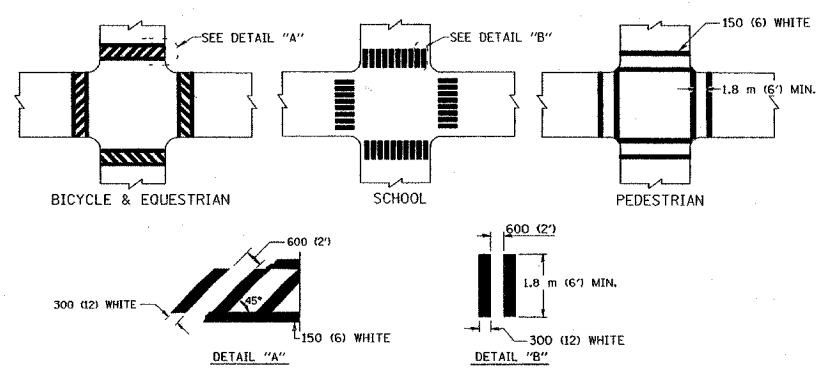
TRAIL HEAD SIGN DETAILS

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

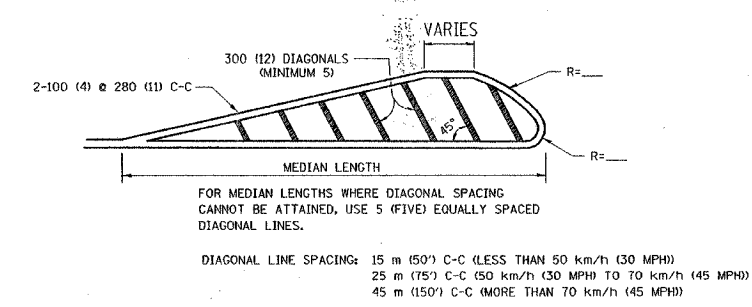
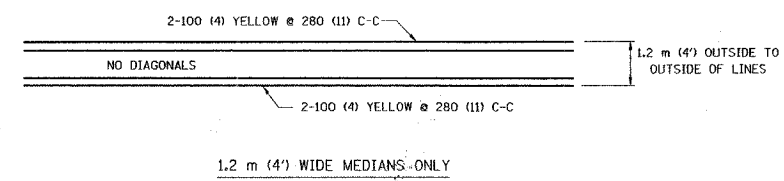


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

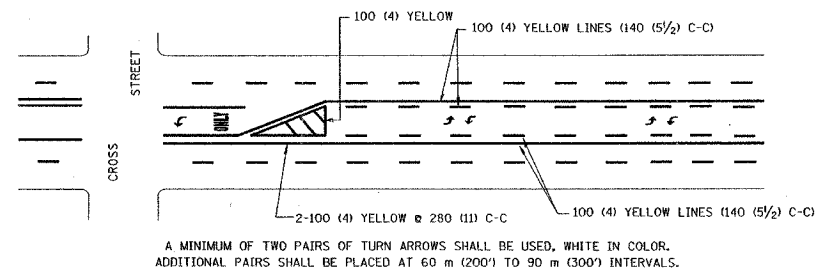
TYPICAL LANE AND EDGE LINE MARKING



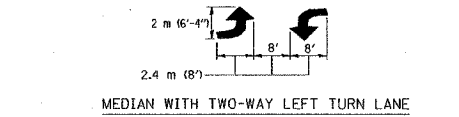
TYPICAL CROSSWALK MARKING



MEDIANS OVER 1.2 m (4') WIDE



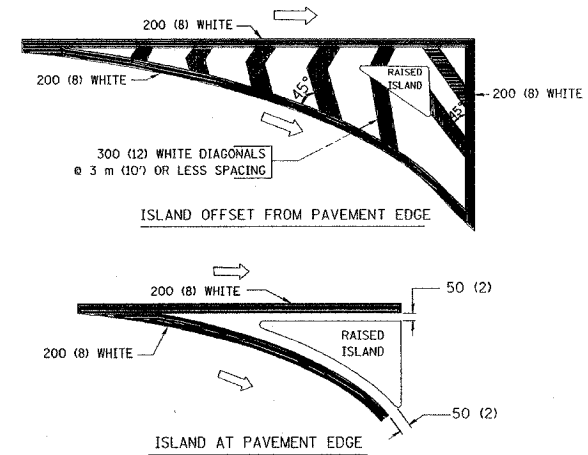
TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
 AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (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 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 FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 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 (2') 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 (2') 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.
CORE 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 ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (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.

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

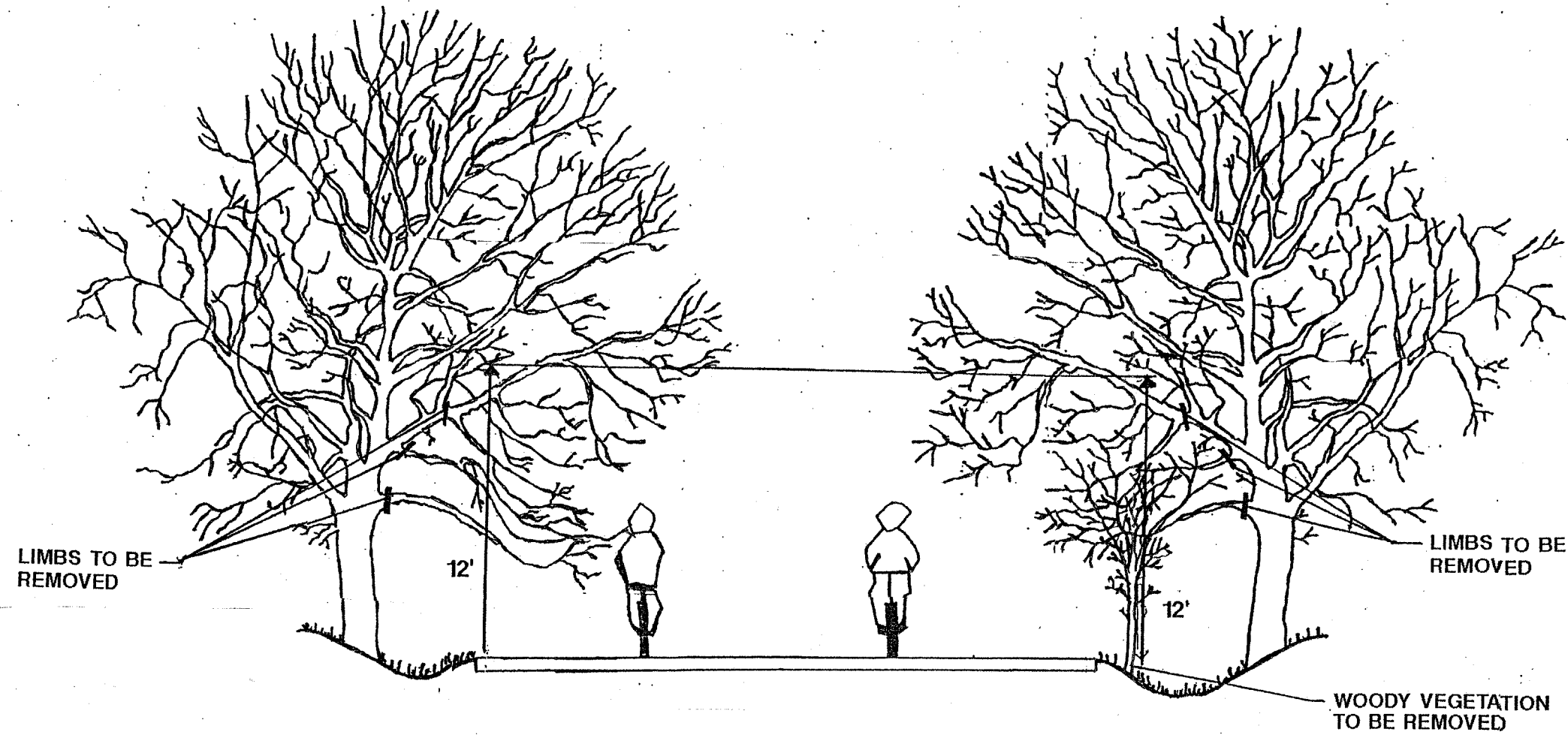
REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DATE 10/18/2002

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



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

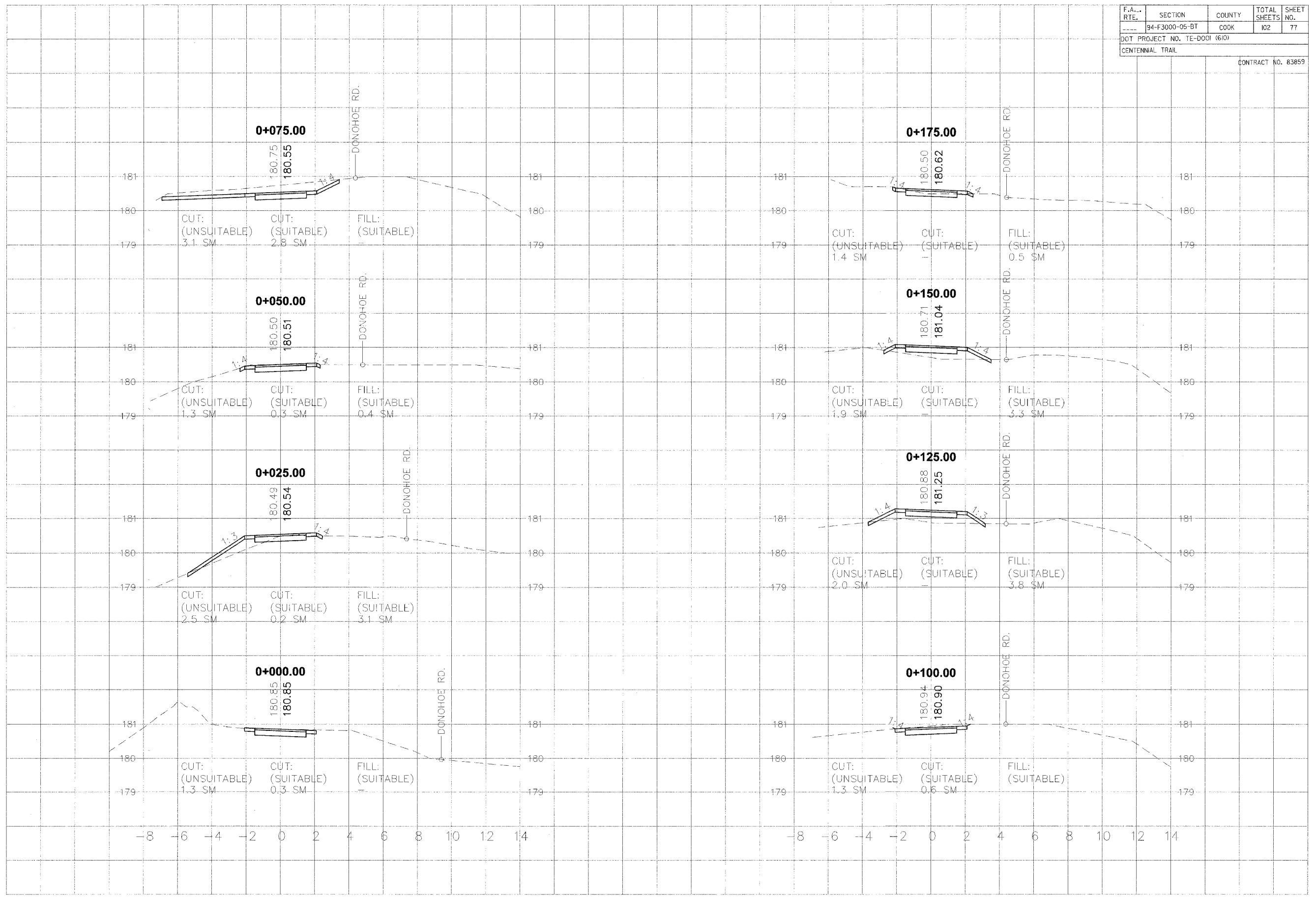
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	94-F3000-05-BT	COOK	102	77
DOT PROJECT NO. TE-DOCI (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	BY

NO.	AREA	TEMP.	PLATTED	BY	DATE

DATE	BY

NO.	AREA	TEMP.	PLATTED	BY	DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	94-F3000-05-BT	COOK	102	78
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
				CONTRACT NO. 83859

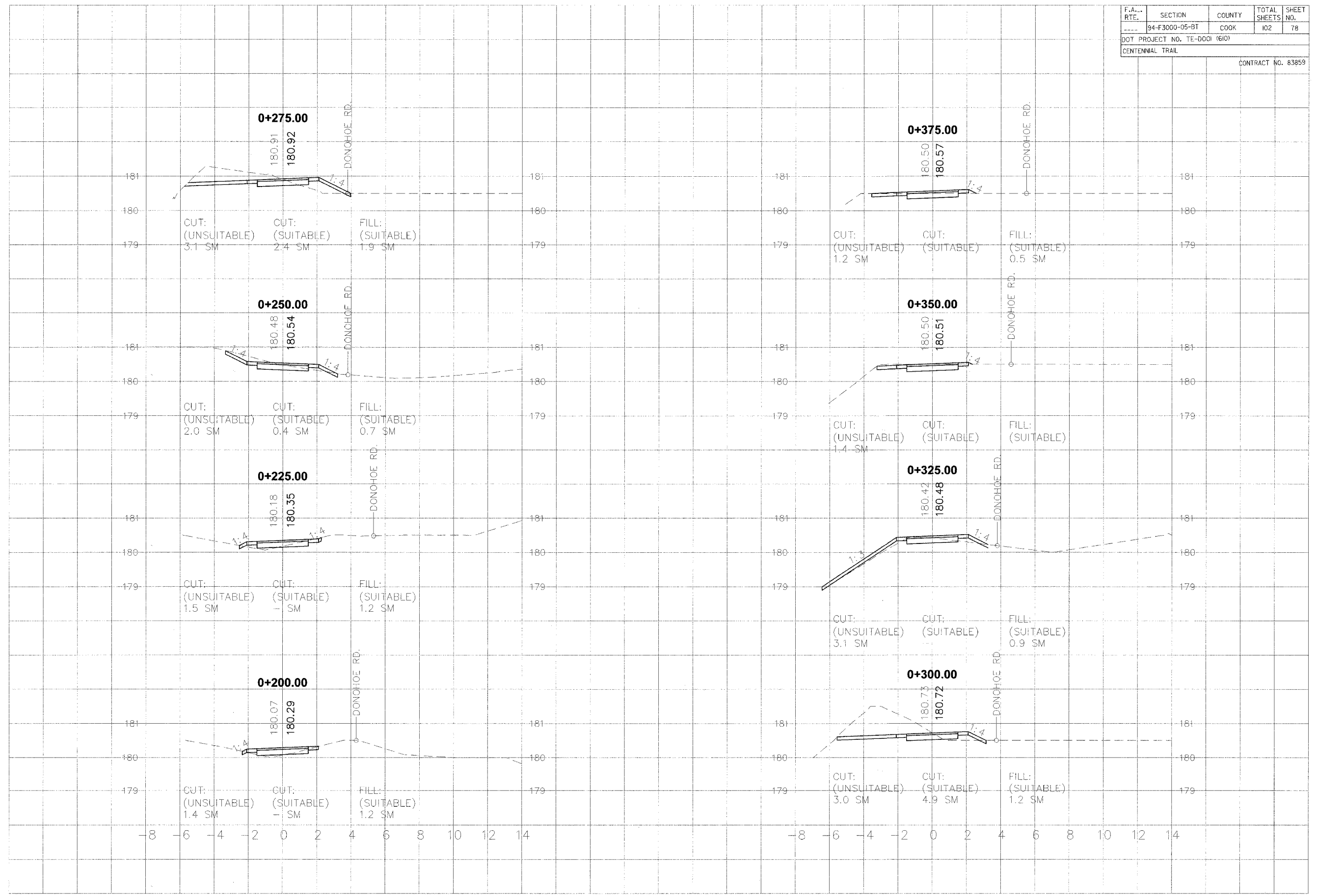
DATE	BY

REVISIONS	DATE	BY

ORIGINAL SURVEY	DATE	BY

REVISIONS	DATE	BY

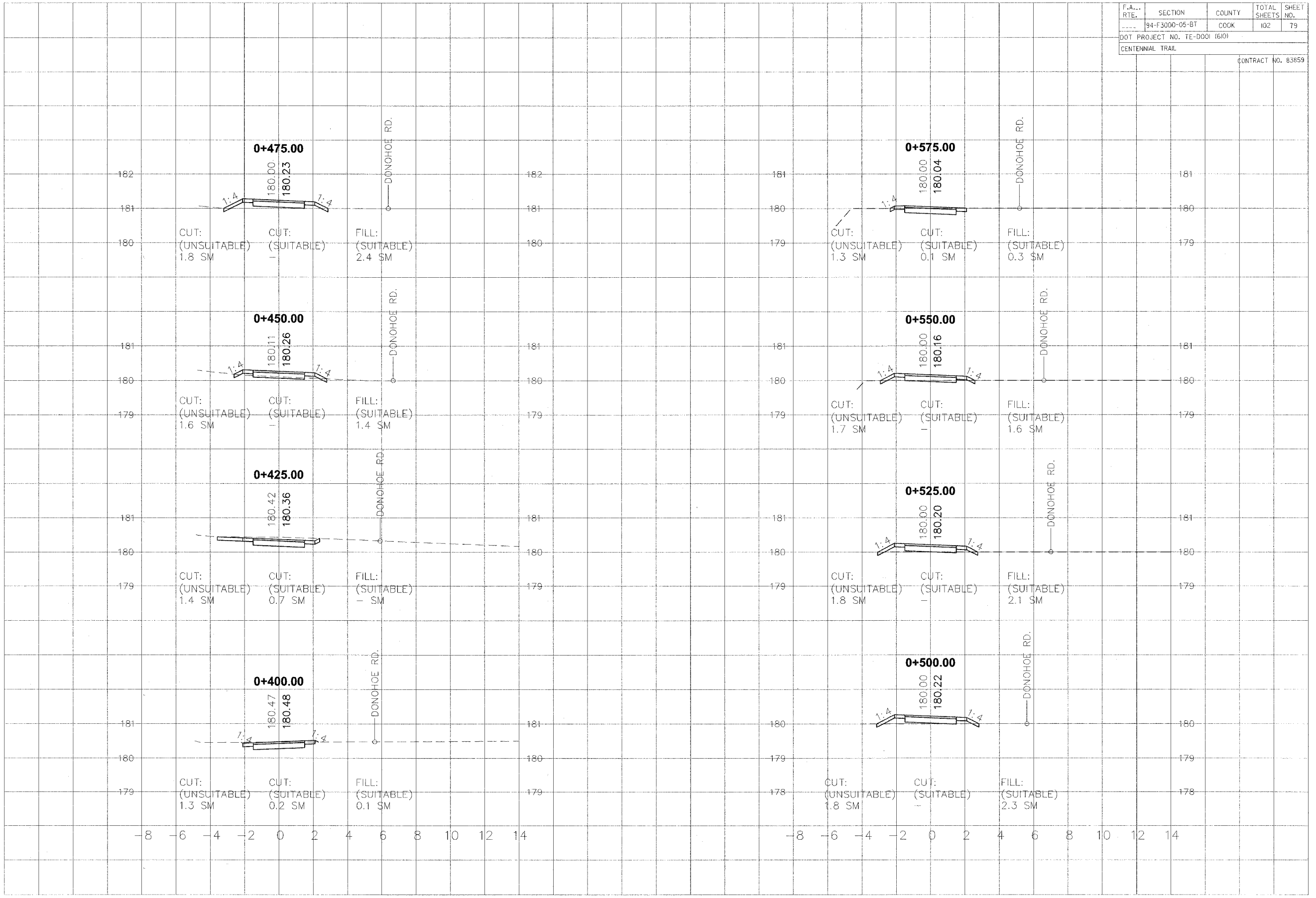
ORIGINAL SURVEY	DATE	BY



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	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

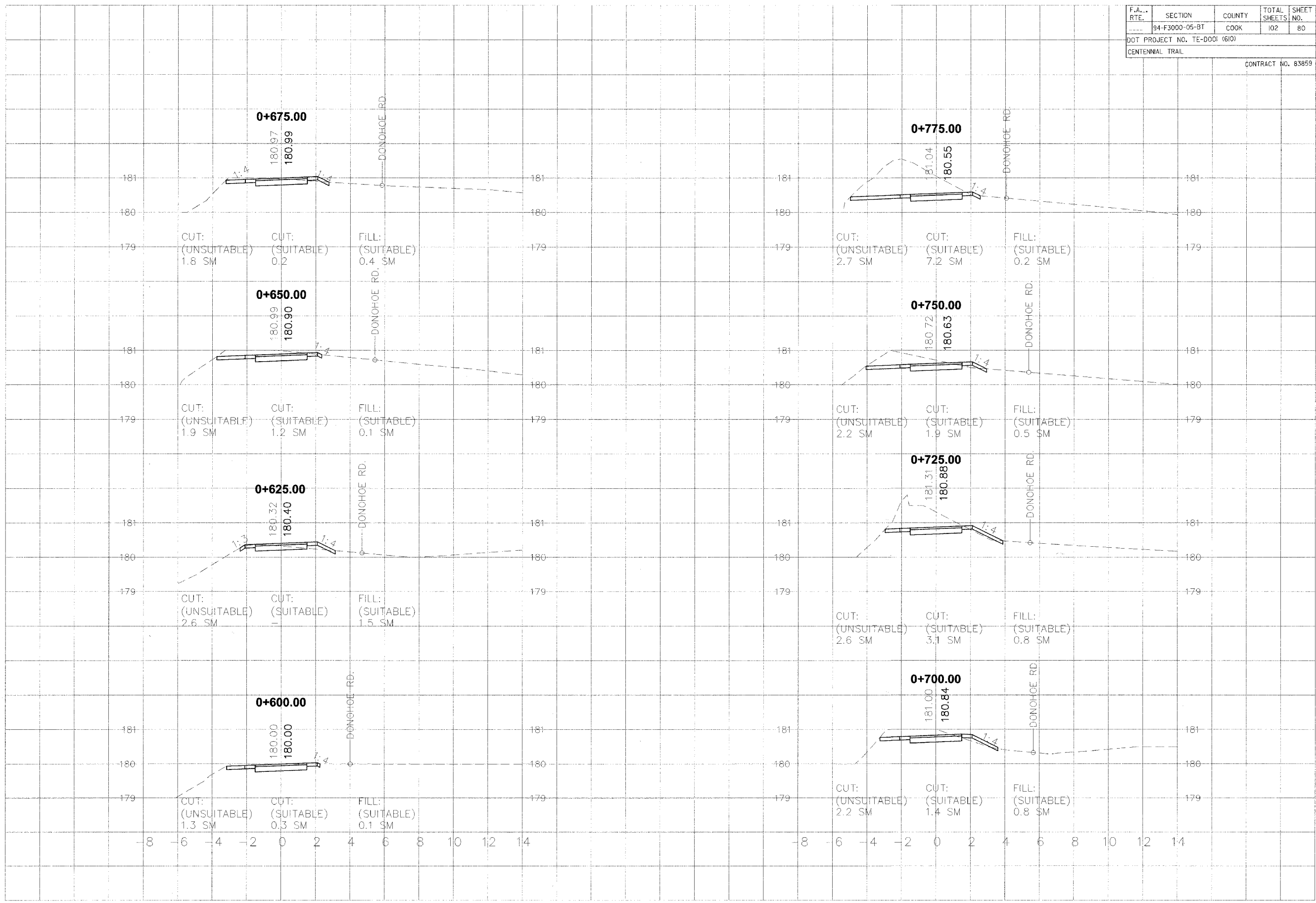
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



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

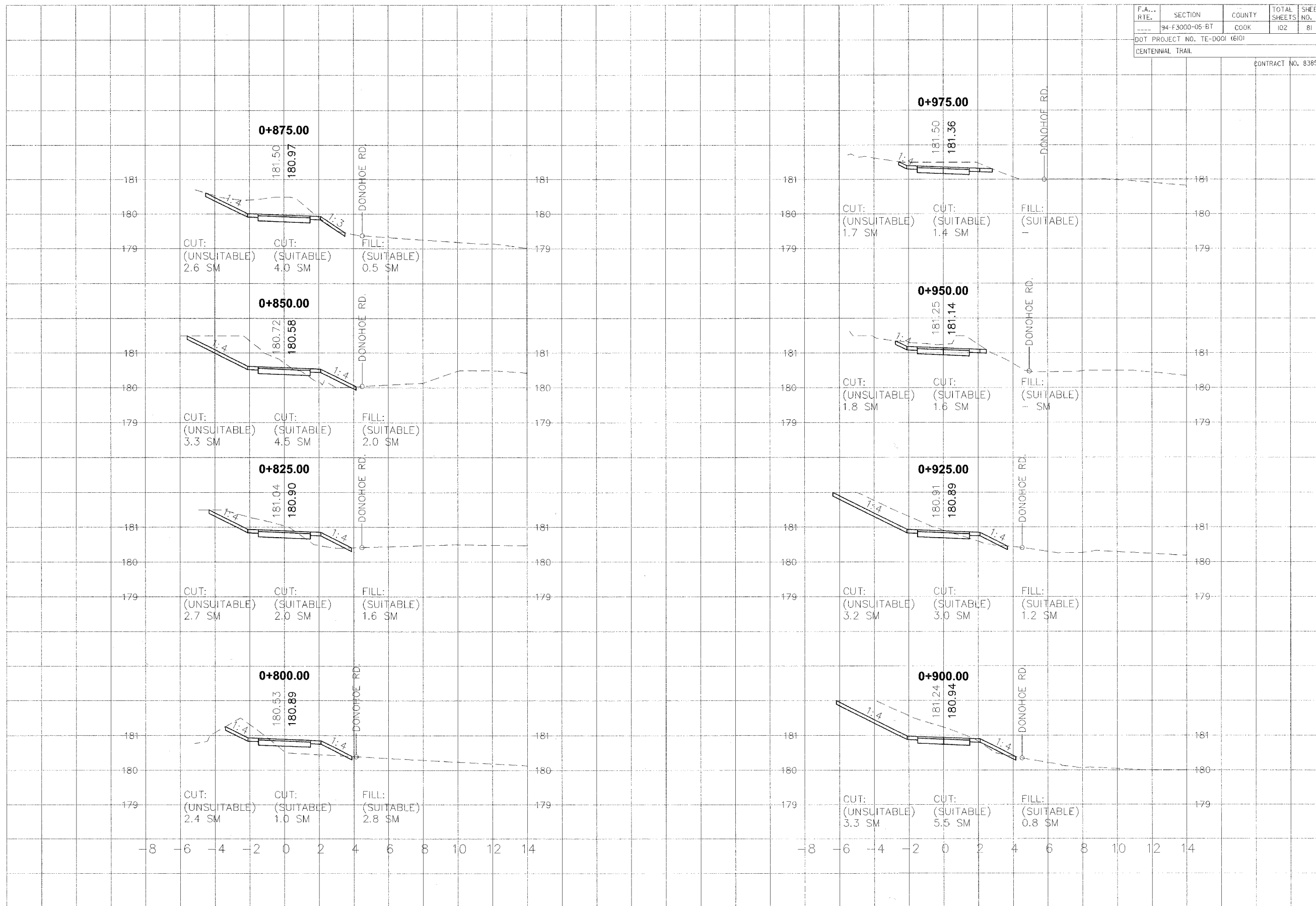
DATE	BY
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DATE	BY	DATE	BY
REVISIONS	NO.	DESCRIPTION	DATE
PLOTTED			
TEMPLATE			
NOTE BOOK			
AREAS CHECKED			

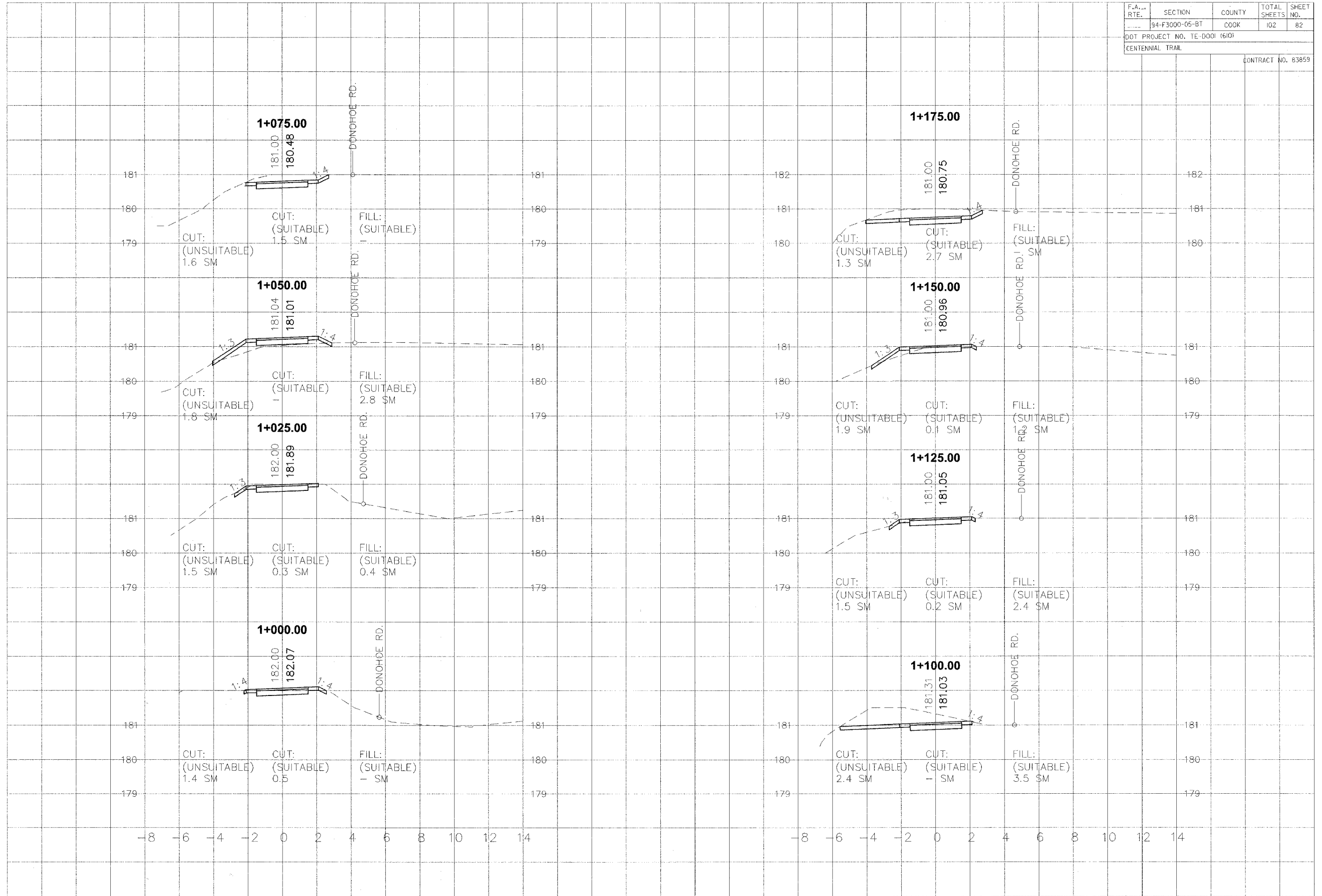
DATE	BY	DATE	BY
REVISIONS	NO.	DESCRIPTION	DATE
PLOTTED			
TEMPLATE			
NOTE BOOK			
AREAS CHECKED			



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	SURVEYED	PLOTTED
ORIGINAL SURVEY NOTE BOOK NO.		SCHEDULED PLOTTED TEMPLATE AREAS CHECKED	

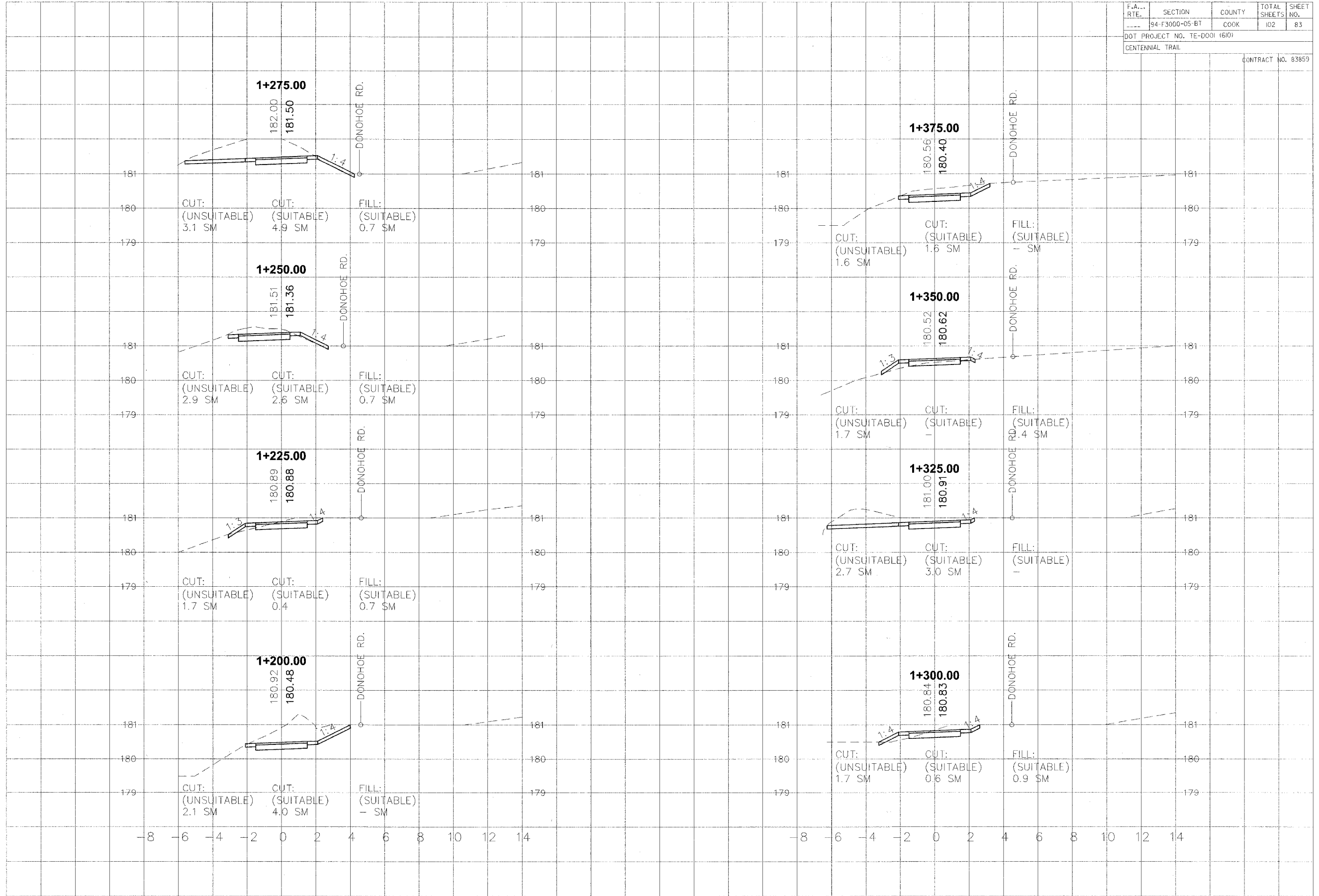
DATE	BY	SURVEYED	PLOTTED
ORIGINAL SURVEY NOTE BOOK NO.		SCHEDULED PLOTTED TEMPLATE AREAS CHECKED	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	S4-F3000-05-BT	COOK	102	83
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	BY	REVISION

DATE	BY	REVISION



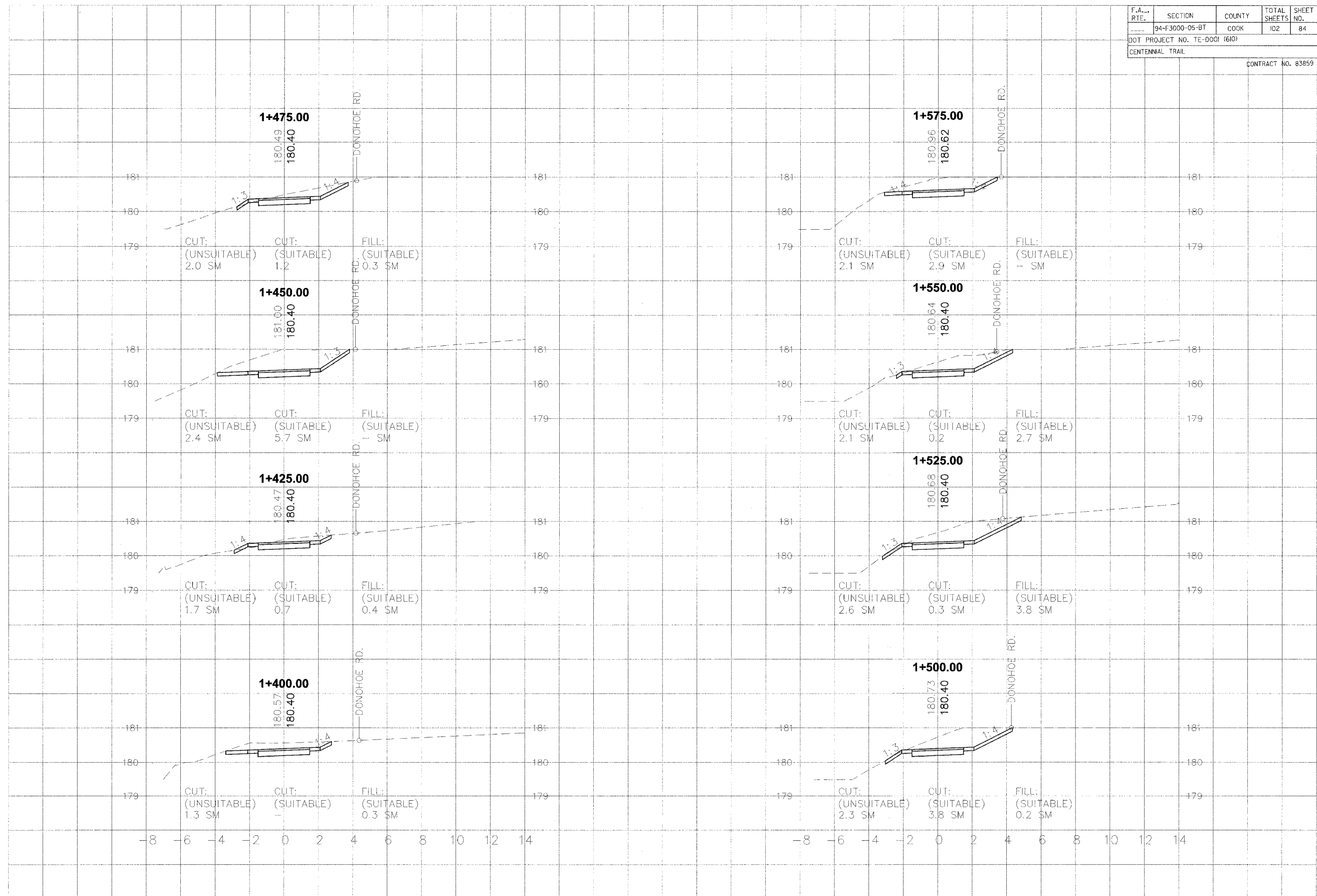
F.A....	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	94-F3000-05-BT	COOK	102	84
DOT PROJECT NO. TE-DOO1 (610)				
CENTENNIAL TRAIL				
				CONTRACT NO. 83859

DATE	BY

NO.	DESCRIPTION

DATE	BY

NO.	DESCRIPTION



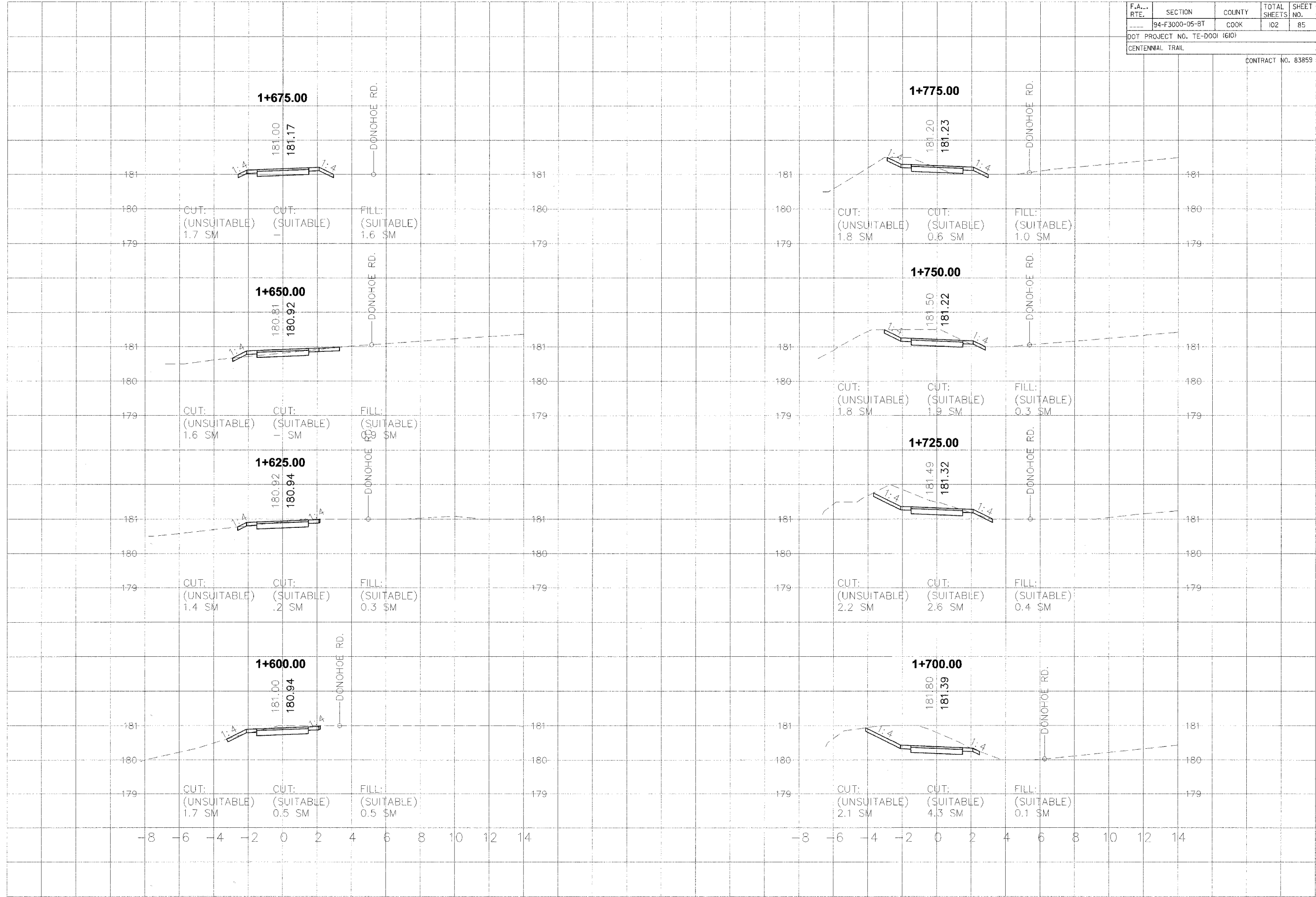
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---	94-F3000-05-BT	COOK	102	85
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	BY

NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	94-F3000-05-BT	COOK	102	86
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	BY

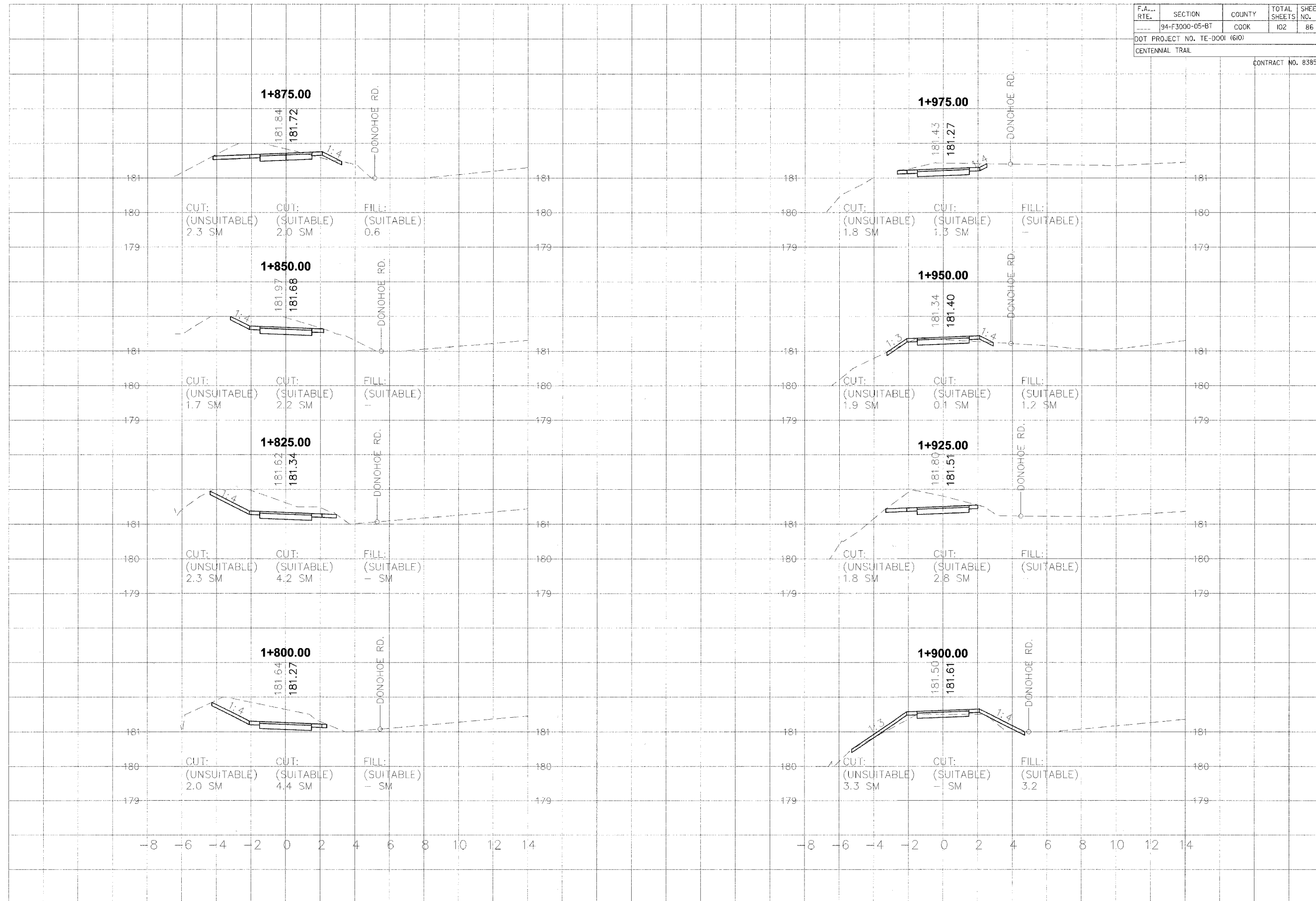
REVISIONS	DATE

ORIGINAL SURVEY	DATE

DATE	BY

REVISIONS	DATE

ORIGINAL SURVEY	DATE



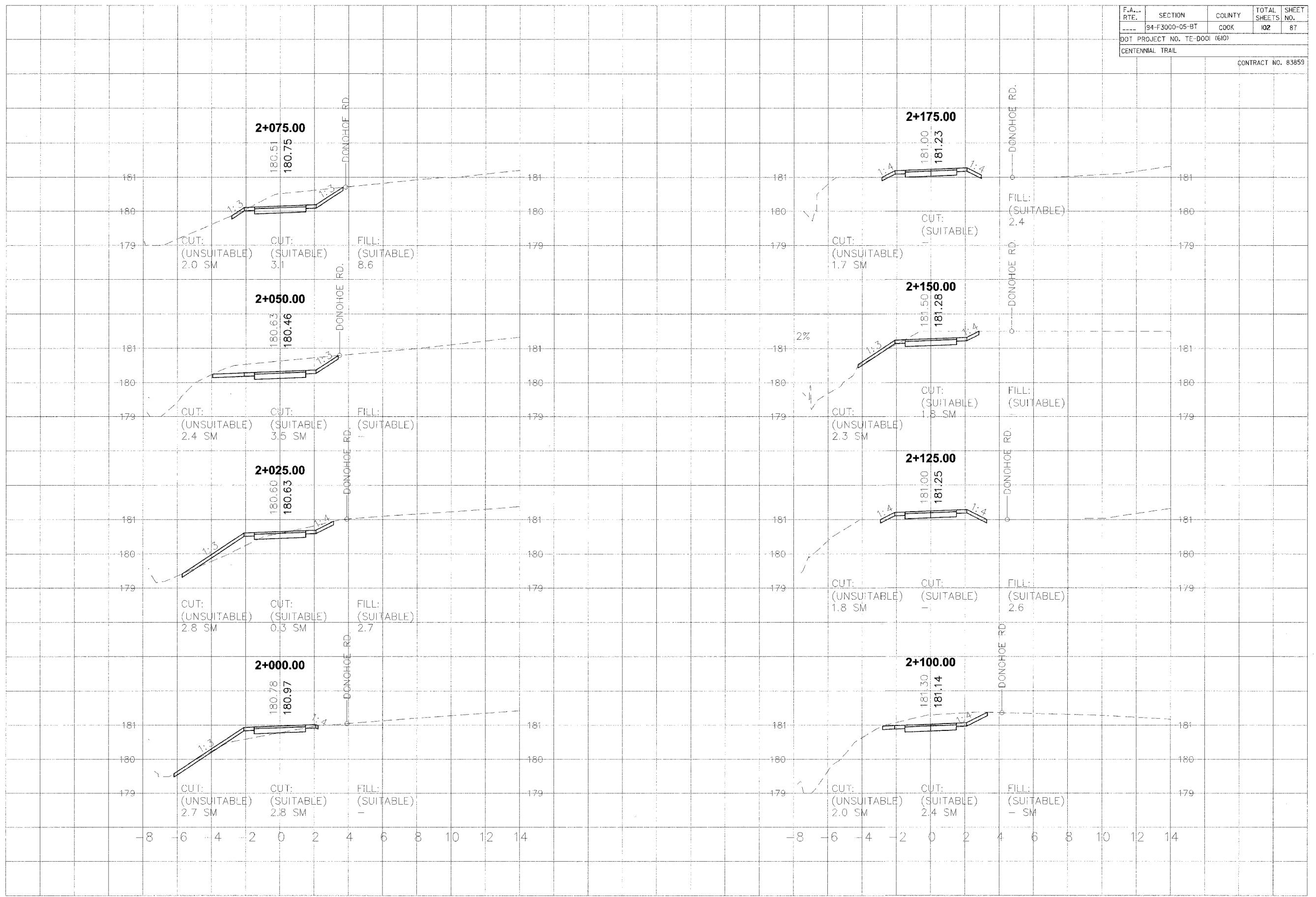
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	94-F3000-05-BT	COOK	102	87
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
CONTRACT NO. 83859				

DATE	BY

NO.	REVISIONS	DATE

DATE	BY

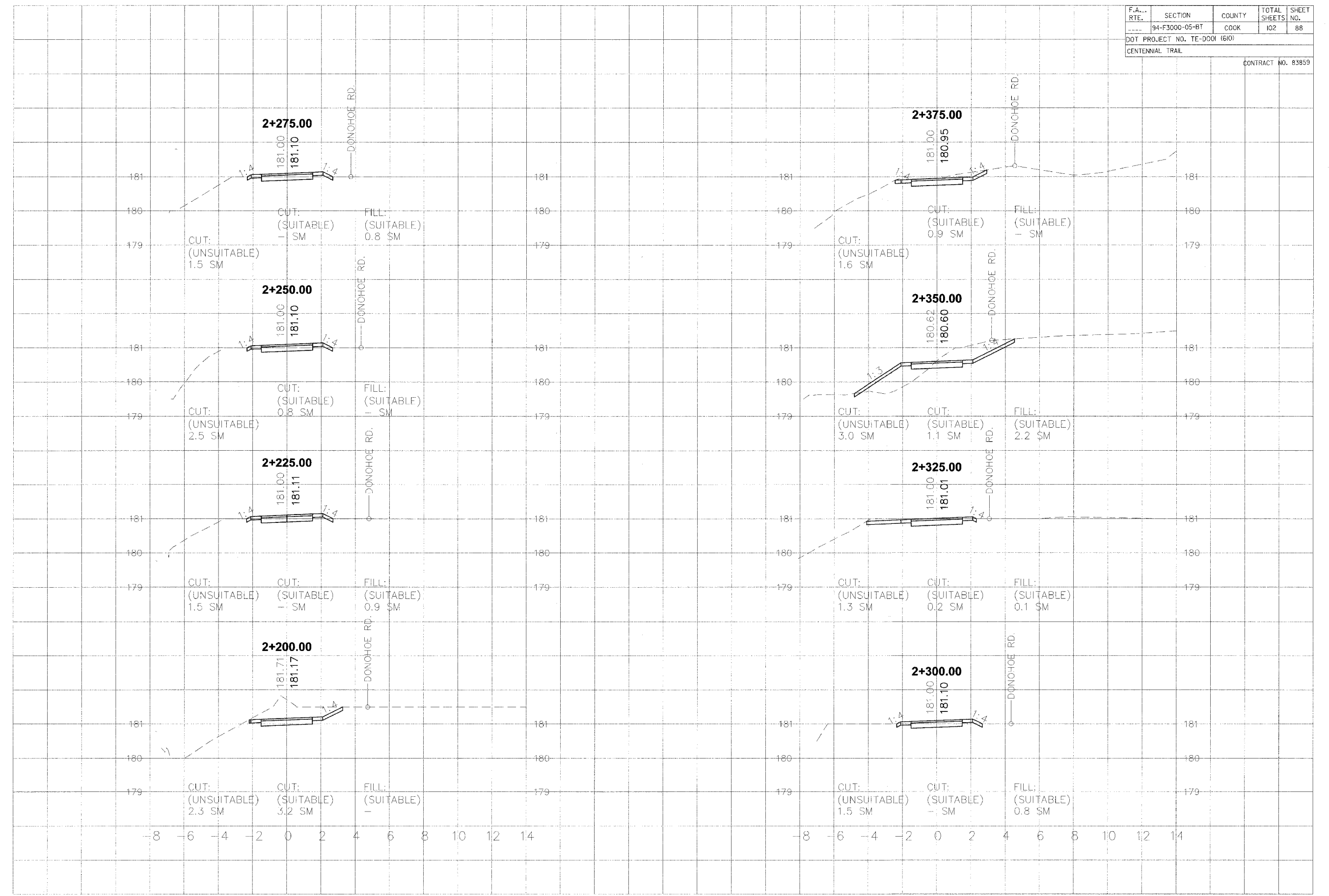
NO.	REVISIONS	DATE



F.A....	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
REVISIONS	
NO.	DESCRIPTION
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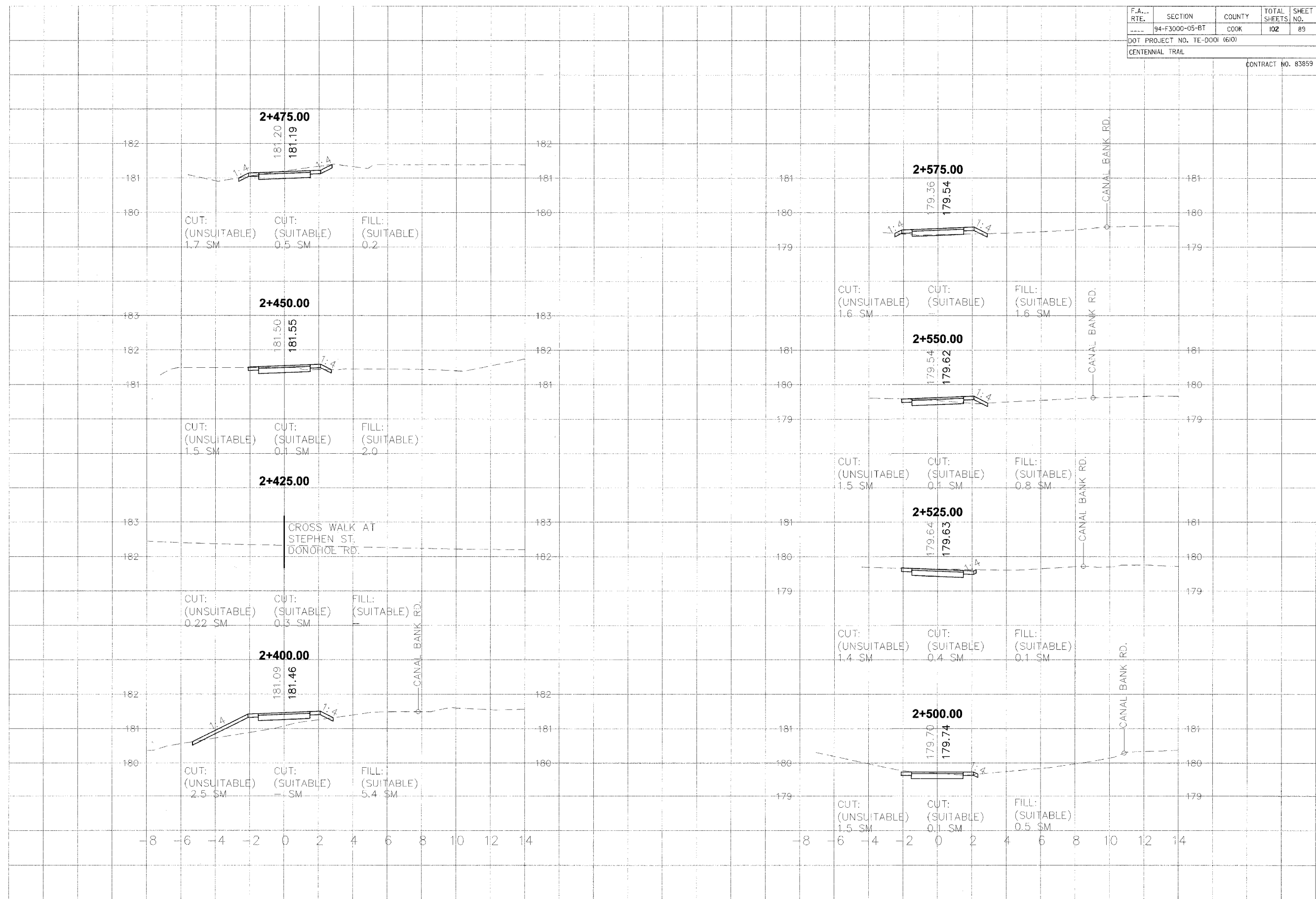
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F.A....	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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DOT PROJECT NO. TE-0001 (610)				
CENTENNIAL TRAIL				
				CONTRACT NO. 83859

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94-F3000-05-BT		COOK	102	90
DOT PROJECT NO. TE-D001 (610)				
CENTENNIAL TRAIL				
				CONTRACT NO. 83859

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