

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-P4019-05-BT		COOK	23	1

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## STATE OF ILLINOIS

### SURFACE TRANSPORTATION / ENHANCEMENT PROGRAM

# PROPOSED BIKE PATH IMPROVEMENT

**ROUTE: MARQUETTE DRIVE**

**LIMITS: STONY ISLAND AVENUE TO RICHARDS DRIVE**

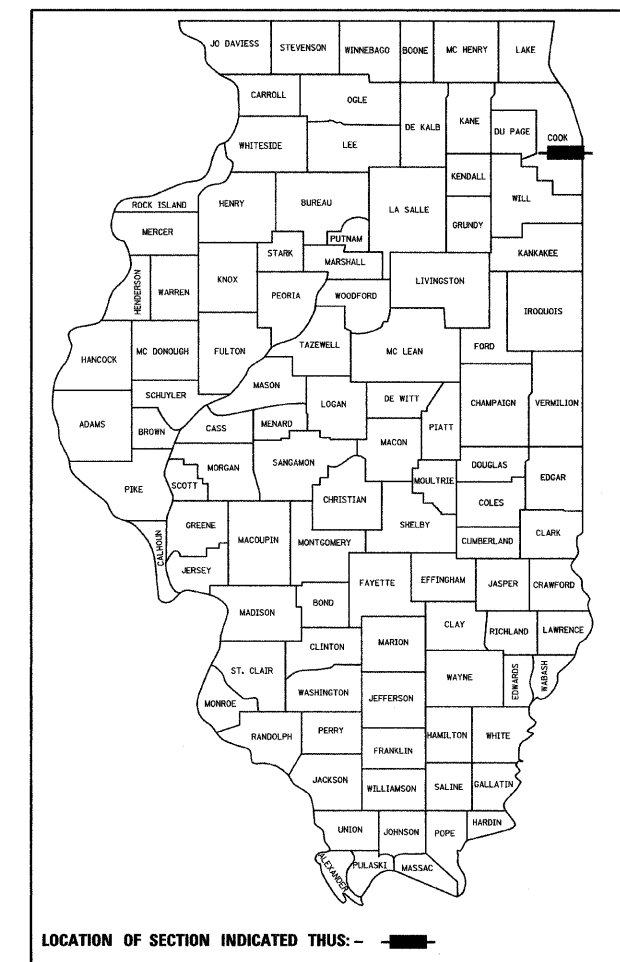
**SECTION: 01 - P4019 - 05 - BT**

**FEDERAL PROJECT: TE - 00D1 (622)**

**STATE JOB NO.: C - 91 - 206 - 02**

**CITY OF CHICAGO**

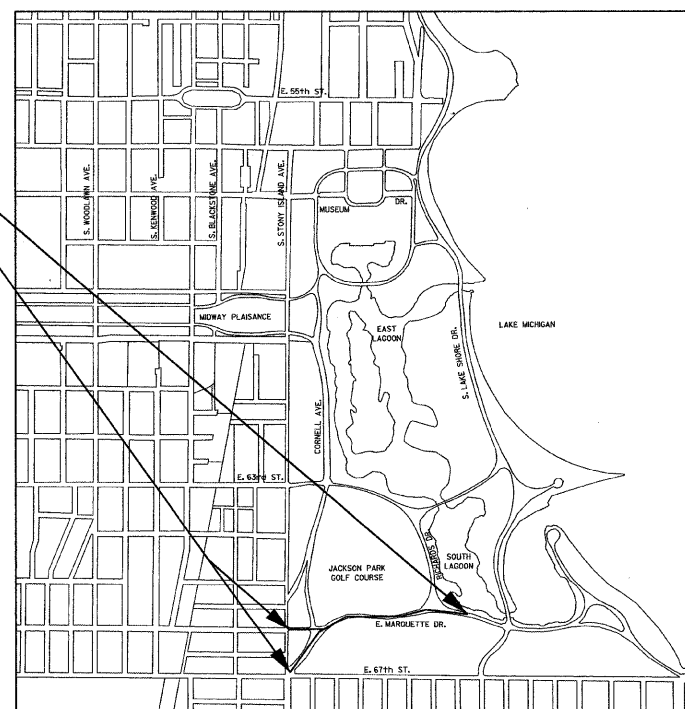
**COUNTY: COOK**



### LEGEND

TRANSPORTATION SURFACE		EDGE OF PAVEMENT	
RAILROAD		BACK OF CURB	
ABANDONED RAILROAD		FENCE	
GUARD RAIL		ELECTRIC	
GUARD POST		WATER	
SINGLE POST SIGN		GAS	
POWER LINE		SANITARY SEWER	
TELEPHONE OR TELEGRAPH		TRAFFIC SIGNAL CONTROLLER	
LIGHT STANDARD		VEGETATION OUTLINE	
TRAFFIC SIGNAL		SINGLE TREE OR BUSH	
FIRE HYDRANT		STUMP	
MANHOLE		FENCE	
INLET		BUILDINGS	
CULVERT		MAILBOX	
DISAPPEARING CULVERT			
DITCH CHECK			
DITCH-STREAM-SHORELINE			
DISAPPEARING DITCH			
MARSH			
RIGHT OF WAY MARKER			
ABOVE GROUND SPLICE BOX			
HANDHOLE			
LOCATED OBJECT			
TRAFFIC SIGNAL CONTROLLER			

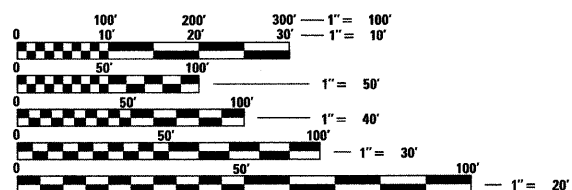
**PROJECT LIMITS**



### LOCATION MAP

**NET LENGTH OF IMPROVEMENT: 0.43 MI**  
**GROSS LENGTH OF IMPROVEMENT: 0.43 MI**

PROJECT LOCATED IN THE CITY OF CHICAGO



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. 63184**

FIELD ENGINEER: CLAUDE MALIK (312) 742-4660



SIGNED: Timothy W. Barry  
 DATE: 10/15/09  
 EXPIRES: 11/30/09

## JACOBS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
APPROVED <u>[Signature]</u> 10-16-09 Chicago Park District, Project MGA, Local Agency, Position
PASSED <u>DECEMBER 11, 2009</u> <u>[Signature]</u> District 1 Engineer of Local Roads & Streets
RELEASING FOR BID BASED ON LIMITED REVIEW <u>DECEMBER 11, 2009</u> <u>[Signature]</u> Deputy Director of Highways, Region 1 Engineer

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

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

# GENERAL NOTES

- UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITY COMPANIES AND THE CITY OF CHICAGO. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT 1.800.892.0123
- WHERE SECTION AND SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AN AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF RIGHT OF WAY MARKERS SHALL REMAIN UNDISTURBED.
- THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON CHICAGO PARK DISTRICT PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CHICAGO PARK DISTRICT.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED (ONE WEIGHTED BAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND THE ADJOINING COMMERCIAL AND RESIDENTIAL AREAS.
- ALL ELEVATIONS IN THIS PLAN SET REFER TO CITY OF CHICAGO DATUM.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTORS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCH DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCH DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE SAME TIME IT IS MANUFACTURED. PRECAST "TEE" OR "WYE" PIPE CONNECTIONS FOR THE PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWER.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- HOT-MIX ASPHALT QUANTITIES ARE BASED ON A UNIT WEIGHT OF 112 LB/SQ YD/IN FOR BINDER AND SURFACE COURSES.
- TEN FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIUM ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
- BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
- AT LEAST (2) TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKING, CONTACT WALTER CZARNI, AREA TRAFFIC FIELD ENGINEER AT 773-685-8386
- TEN FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED SIDEWALK ITEMS OF WORK TO EXISTING SIDEWALK IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

- TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
- THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL PRIOR TO STRIPPING EXISTING VEGETATION.
- WHERE TRANSITIONING FROM A 2% CROSS SLOPE ON TANGENT TO A 2% SUPERELEVATION RATE ON THE HIGH SIDE OF THE CURVE, USE A TRANSITION LENGTH OF 15 FT.

## LIST OF STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701801-04	LANE CLOSURE, MULTI LANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

## PROJECT COMMITMENTS

NONE

## CITY OF CHICAGO NOTES

- ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF WATER MANAGEMENT'S STANDARDS.
- PERMITS FROM THE DEPARTMENT OF WATER MANAGEMENT ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR ALL WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF WATER MANAGEMENT'S PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR/SUBCONTRACTOR MUST SUBMIT TWO SETS OF PLANS APPROVED BY THE DEPARTMENT OF WATER MANAGEMENT FOR THE ISSUE OF THE SEWER PERMIT TO SUITE 410, 333 SOUTH STATE STREET, CHICAGO, ILLINOIS 60604-3971. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF WATER MANAGEMENT.
- IF THE SEWER PIPE COVER IS REDUCED TO LESS THAN 3 FEET, CONCRETE ENCASEMENT OF THE SEWER OR REPLACEMENT OF THE SEWER WITH CLASS 52 DUCTILE IRON PIPE WILL BE REQUIRED.
- IN CASE DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF WATER MANAGEMENT AT (312) 747-7892 OR (312) 747-7893.
- PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
- ADDITIONAL BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED FROM THE DEPARTMENT OF WATER MANAGEMENT AT SUIT 410, 333 SOUTH STATE STREET, CHICAGO, ILLINOIS 60604-3971. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.
- SIDEWALK ACCESSIBILITY RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
- ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND GRATES OR LIDS ON SEWER STRUCTURES WILL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND GRATES OR LIDS. OLD FRAMES AND GRATES OR LIDS SHALL BE DELIVERED TO THE DEPARTMENT OF WATER MANAGEMENT AT 39th STREET AND ASHLAND AVENUE.
- CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER.
- CURB AND GUTTER CONSTRUCTION SHALL PROVIDE A MINIMUM CURB HEIGHT OF 3 INCHES.
- PAVEMENT REPLACEMENT AROUND FRAMES AND GRATES OR LIDS WHERE DRAINAGE, WATER MAIN OR ELECTRICAL STRUCTURES ARE ADJUSTED OR RECONSTRUCTED, SHALL BE CLASS S1 CONCRETE.
- ALL PAVEMENT PATCHING SHALL BE CLASS C, UNLESS OTHERWISE NOTED.

PLAN	DATE
NO.	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	

PROFILE	DATE
NO.	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>CHICAGO PARK DISTRICT - JACKSON PARK MARQUETTE DRIVE BICYCLE PATH</b>

SCALE: NONE  
 DATE: 10/16/09  
 DRAWN BY: MJP  
 CHECKED BY: TB

CODE NO.	ITEM DESCRIPTION	SP PROV	UNIT	TOTAL QUANTITY	FEDERAL QUANTITY (80%)	LOCAL QUANTITY (20%)	LOCAL QUANTITY (100%)
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		UNIT	58	46.4	11.6	0
20101000	TEMPORARY FENCE		FOOT	600	480.0	120.0	0
20101100	TREE TRUNK PROTECTION		EACH	6	4.8	1.2	0
△ 20101200	TREE ROOT PRUNING		EACH	8	6.4	1.6	0
△ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)		EACH	3	2.4	0.6	0
△ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)		EACH	5	4.0	1.0	0
△ 20101700	SUPPLEMENTAL WATERING		UNIT	10	8.0	2.0	0
20200100	EARTH EXCAVATION		CU YD	554	443.2	110.8	0
20400800	FURNISHED EXCAVATION		CU YD	700	560.0	140.0	0
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION		SQ YD	4,829	3863.2	965.8	0
△ 21101615	TOPSOIL FURNISH AND PLACE, 4"		SQ YD	4,742	3793.6	948.4	0
△ 25000100	SEEDING, CLASS 1		ACRE	0.98	0.8	0.2	0
△ 25000400	NITROGEN FERTILIZER NUTRIENT		POUND	74	59.4	14.9	0
△ 25000500	PHOSPHORUS FERTILIZER NUTRIENT		POUND	74	59.4	14.9	0
△ 25000600	POTASSIUM FERTILIZER NUTRIENT		POUND	74	59.4	14.9	0
△ 25100630	EROSION CONTROL BLANKET		SQ YD	4,723	3778.4	944.6	0
35101800	AGGREGATE BASE COURSE, TYPE B 6"		SQ YD	4,928	3942.6	985.6	0
40300200	BITUMINOUS MATERIALS (PRIME COAT)		TON	6.1	4.9	1.2	0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50		TON	708.0	566.4	141.6	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		SQ FT	1,395	1116.0	279.0	0
42400800	DETECTABLE WARNINGS		SQ FT	430	344.0	86.0	0
44000500	COMBINATION CURB AND GUTTER REMOVAL		FOOT	124	99.2	24.8	0
60255500	MANHOLES TO BE ADJUSTED		EACH	5	4.0	1.0	0
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12		FOOT	275	220.0	55.0	0
67100100	MOBILIZATION	*	L SUM	1	0.8	0.2	0
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	*	L SUM	1	0.8	0.2	0
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		SQ FT	280	224.0	56.0	0
△ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"		FOOT	6,899	5519.2	1379.8	0
△ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"		FOOT	1,434	1147.2	286.8	0
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"		FOOT	278	222.4	55.6	0
78300100	PAVEMENT MARKING REMOVAL		SQ FT	275	220.0	55.0	0
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"		FOOT	55	44.0	11.0	0
△ A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED		EACH	3	2.4	0.6	0
△ B2001666	TREE, CRATAEGUS CRUGGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED		EACH	3	2.4	0.6	0
△ K0036120	MULCH PLACEMENT 4"	*	SQ YD	93	74.4	18.6	0
X0321309	CONCRETE PAD	*	SQ YD	7	5.6	1.4	0
△ X0322453	WEED CONTROL, PRE-EMERGENT	*	POUND	5	4.0	1.0	0
X0323973	SEDIMENT CONTROL, SILT FENCE	*	FOOT	100	80.0	20.0	0
H000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABE DEPTH	*	SQ YD	2402	1921.6	480.4	0
X0444100	BENCHES	*	EACH	1	0.0	0.0	1
XX006653	FENCE (SPECIAL)	*	FOOT	121	96.8	24.2	0
Z0064800	SELECTIVE CLEARING	*	UNIT	1	0.8	0.2	0

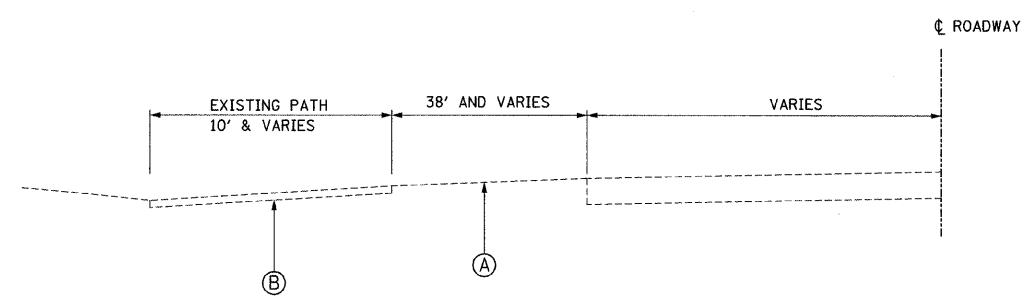
△ SPECIALTY ITEMS

REVISIONS		DATE
NAME		

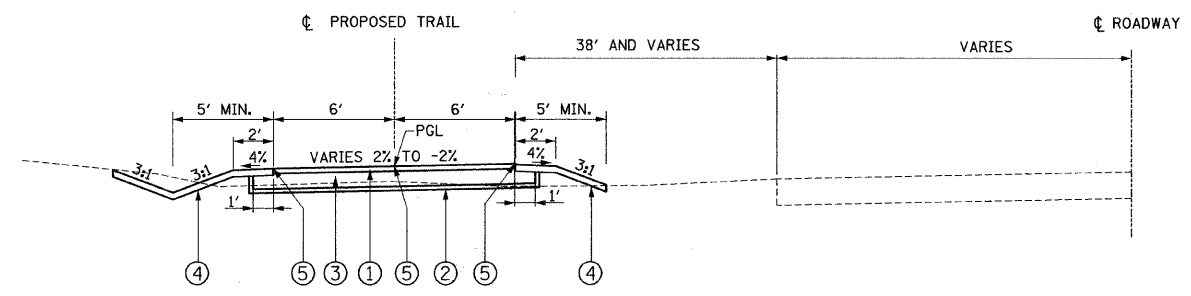
ILLINOIS DEPARTMENT OF TRANSPORTATION  
CHICAGO PARK DISTRICT - JACKSON PARK  
MARQUETTE DRIVE BICYCLE PATH

SCALE: 1" = 20'  
DATE: 10/16/2009  
DRAWN BY: MJP  
CHECKED BY: TB

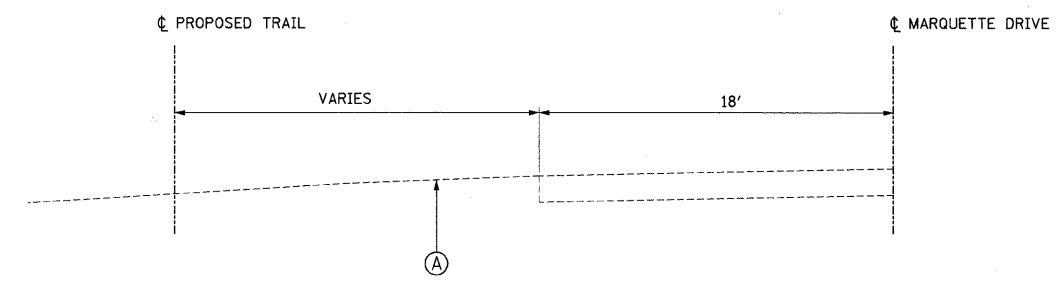
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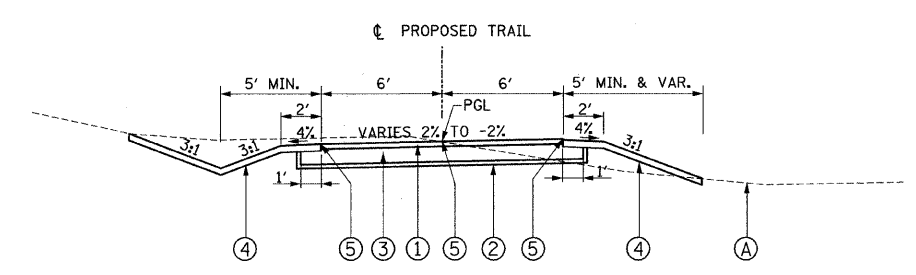
**EXISTING TYPICAL SECTION ALONG MARQUETTE DR AND CORNELL AVE**  
**STA. 0+00 TO STA. 2+50      STA. 100+00 TO STA. 104+70**  
**STA. 9+50 TO STA. 18+00**



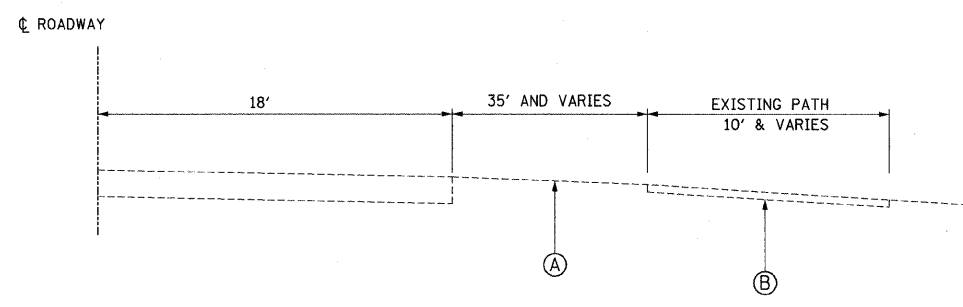
**PROPOSED TRAIL TYPICAL SECTION ALONG MARQUETTE DR AND CORNELL AVE**  
**STA. 0+00 TO STA. 2+50      STA. 100+00 TO STA. 104+70**  
**STA. 9+50 TO STA. 18+00**



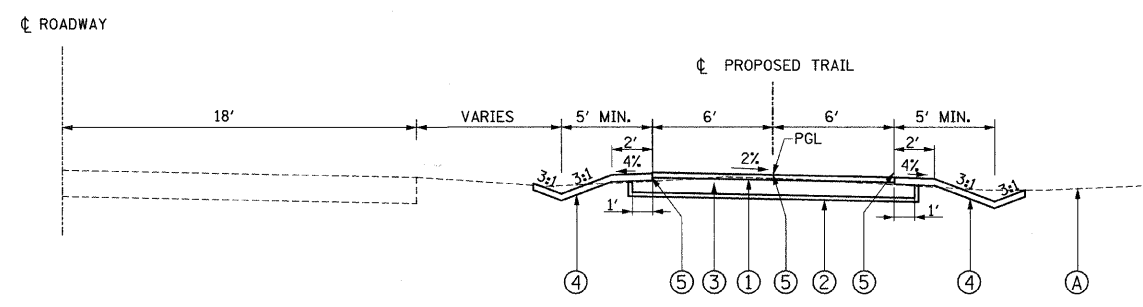
**EXISTING TYPICAL SECTION ALONG MARQUETTE DRIVE**  
**STA. 2+50 TO STA. 9+50      STA. 18+00 TO STA. 22+47**



**PROPOSED TRAIL TYPICAL SECTION ALONG MARQUETTE DRIVE**  
**STA. 2+50 TO STA. 9+50      STA. 18+00 TO STA. 22+47**



**EXISTING TYPICAL SECTION ALONG MARQUETTE DRIVE**  
**STA. 50+00 TO STA. 52+34**



**PROPOSED TRAIL TYPICAL SECTION ALONG MARQUETTE DRIVE**  
**STA. 50+00 TO STA. 52+34**

**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING BITUMINOUS PAVEMENT
- (1) 3" H.M.A. SURFACE COURSE
- (2) GEOTECHNICAL FABRIC
- (3) 6" AGGREGATE BASE COURSE
- (4) 4" TOPSOIL AND SEEDING
- (5) PROPOSED PAVEMENT MARKINGS:  
 - 4" YELLOW 12'-3' CENTER SKIP LINE  
 - 4" SOLID WHITE EDGE LINE

MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm); 3"	PG 64-22	4% @ 50 GYR.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CHICAGO PARK DISTRICT - JACKSON PARK  
 MARQUETTE DRIVE BICYCLE PATH  
 SCALE: 1" = 20'  
 DATE: 10/16/2009  
 DRAWN BY: MJP  
 CHECKED BY: TB



**TREE ACTIVITIES / CLEARING SCHEDULE**

STATION	SIDE	TREE REMOVAL UNITS	TEMP. FENCE FOOT	TREE PRUNING EACH	TREE ROOT PRUNING EACH	MULCH SQ YD
0+00 - 5+00	LT	0	100	1	1	0
	RT	12, 14	0	0	0	0
5+00 - 10+00	LT	10, 12	200	2	2	93
	RT	10	300	2	2	0
10+00 - 15+00	LT	0	0	0	0	0
	RT	0	0	0	0	0
15+00 - 20+00	LT	0	0	1	1	0
	RT	0	0	1	1	0
20+00 - 22+47	LT	0	0	0	0	0
	RT	0	0	1	1	0
50+00 - 52+34	LT	0	0	0	0	0
	RT	0	0	0	0	0
100+00 - 104+70	LT	0	0	0	0	0
	RT	0	0	0	0	0
TOTAL		58	600	8	8	93

**PAVEMENT MARKING SCHEDULE**

Station	THERMOPLASTIC PAVEMENT MARKING - LINE 4" Solid Yellow LF	THERMOPLASTIC PAVEMENT MARKING - LINE 4" Solid White LF	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 12'-3" Yellow Skip LF	THERMOPLASTIC PAVEMENT MARKING - LINE 12" Solid White LF	THERMOPLASTIC PAVEMENT MARKING - LINE 24" Solid White LF
0+00 - 1+00	100	200	-	30	12
1+00 - 1+84	-	168	15	-	-
1+84 - 2+84	100	287	-	30	12
3+36 - 4+36	100	200	-	30	12
4+36 - 9+00	-	930	93	-	-
9+00 - 12+00	-	616	60	-	-
12+00 - 17+75	-	1151	115	-	-
17+75 - 18+75	100	290	-	30	12
19+30 - 21+58	228	455	-	60	24
22+13 - 22+47	34	87	-	-	-
50+00 - 51+00	100	200	-	30	12
51+00 - 51+94	-	188	6	-	-
51+94 - 52+34	-	SEE 103+50 - 104+64	8	-	-
100+00 - 103+50	-	700	15	-	-
103+50 - 104+64	40	268	45	-	-
TOTAL	802	5740	357	210	84

**PAVEMENT SCHEDULE**

STATION	SIDE	HMA SURFACE REMOVAL VARIABLE DEPTH SQ YD	GEOTECHNICAL FABRIC SQ YD	AGGREGATE BASE COURSE, TYPE B 6" SQ YD	BITUMINOUS MATERIALS (PRIME COAT) TON	HOT-MIX ASPHALT SURFACE COURSE, MIX C TON
0+00 - 5+00	LT	528	999	878	1.08	121
	RT					
5+00 - 10+00	LT	106	920	804	0.98	121
	RT					
10+00 - 15+00	LT	622	992	873	1.08	121
	RT					
15+00 - 20+00	LT	337	1,051	921	1.13	121
	RT					
20+00 - 22+47	LT	-	399	343	0.41	60.3
	RT					
50+00 - 52+34	LT	291	449	388	0.47	50.9
	RT					
100+00 - 104+70	LT	518	830	721	0.87	112.8
	RT					
TOTAL		2,402	5,639	4,928	6.01	708

Intersection	THERMOPLASTIC PAVEMENT MARKING - LINE 12" Solid White LF	THERMOPLASTIC PAVEMENT MARKING - LINE 24" Solid White LF
Marquette Drive and Cornell Avenue	444	74
Marquette Drive Mid-block (Sta. 11+25.00)	168	0
Marquette Drive at Richards Drive (Sta. 19+00.00)	444	60
Marquette Drive at Richards Drive (Sta. 21+88.00)	168	60
TOTAL	1224	194

**FENCE AND SITE FURNISHINGS**

STATION	SIDE	FENCE LF	BENCH INSTALLATION EACH
0+00 - 5+00	LT	0	0
	RT	0	0
5+00 - 10+00	LT	77	0
	RT	0	0
10+00 - 15+00	LT	44	0
	RT	0	0
15+00 - 20+00	LT	0	0
	RT	0	1
20+00 - 22+47	LT	0	0
	RT	0	0
50+00 - 52+34	LT	0	0
	RT	0	0
100+00 - 104+70	LT	0	0
	RT	0	0
TOTAL		121	1

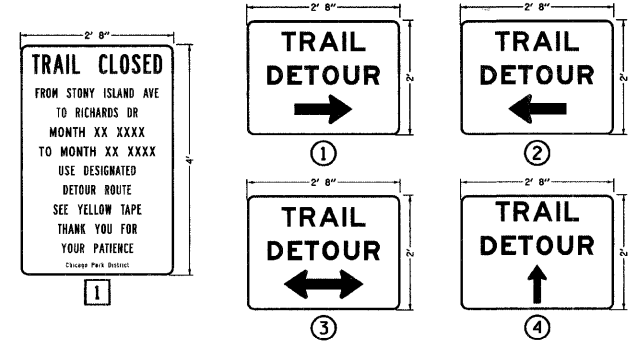
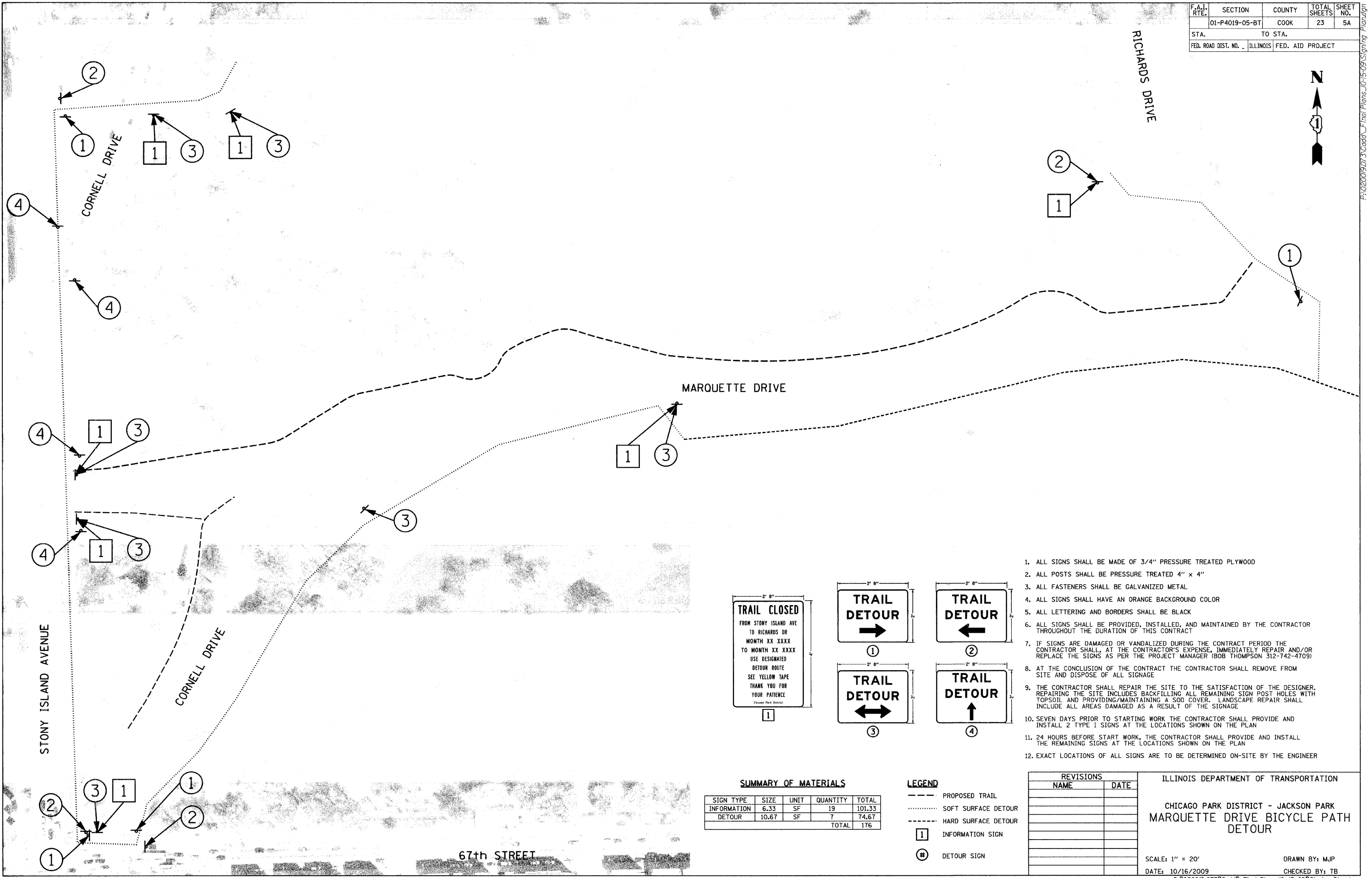
**SEEDING SCHEDULE**

STATION	SIDE	LAWN SEEDING SF
0+00 - 5+00	LT	2,334
	RT	3,276
5+00 - 10+00	LT	3,482
	RT	2,640
10+00 - 15+00	LT	2,982
	RT	3,084
15+00 - 20+00	LT	3,709
	RT	2,928
20+00 - 22+47	LT	1,410
	RT	1,533
50+00 - 52+34	LT	1,489
	RT	1,396
100+00 - 104+70	LT	2,832
	RT	2,861
TOTAL		35,956

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  CHICAGO PARK DISTRICT - JACKSON PARK MARQUETTE DRIVE BICYCLE PATH
NAME	DATE	

SCALE: 1" = 20'  
DATE: 10/16/2009  
DRAWN BY: MJP  
CHECKED BY: TB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	5A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- ALL SIGNS SHALL BE MADE OF 3/4" PRESSURE TREATED PLYWOOD
- ALL POSTS SHALL BE PRESSURE TREATED 4" x 4"
- ALL FASTENERS SHALL BE GALVANIZED METAL
- ALL SIGNS SHALL HAVE AN ORANGE BACKGROUND COLOR
- ALL LETTERING AND BORDERS SHALL BE BLACK
- ALL SIGNS SHALL BE PROVIDED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THIS CONTRACT
- IF SIGNS ARE DAMAGED OR VANDALIZED DURING THE CONTRACT PERIOD THE CONTRACTOR SHALL, AT THE CONTRACTOR'S EXPENSE, IMMEDIATELY REPAIR AND/OR REPLACE THE SIGNS AS PER THE PROJECT MANAGER (BOB THOMPSON 312-742-4709)
- AT THE CONCLUSION OF THE CONTRACT THE CONTRACTOR SHALL REMOVE FROM SITE AND DISPOSE OF ALL SIGNAGE
- THE CONTRACTOR SHALL REPAIR THE SITE TO THE SATISFACTION OF THE DESIGNER. REPAIRING THE SITE INCLUDES BACKFILLING ALL REMAINING SIGN POST HOLES WITH TOPSOIL AND PROVIDING/MAINTAINING A SOD COVER. LANDSCAPE REPAIR SHALL INCLUDE ALL AREAS DAMAGED AS A RESULT OF THE SIGNAGE
- SEVEN DAYS PRIOR TO STARTING WORK THE CONTRACTOR SHALL PROVIDE AND INSTALL 2 TYPE 1 SIGNS AT THE LOCATIONS SHOWN ON THE PLAN
- 24 HOURS BEFORE START WORK, THE CONTRACTOR SHALL PROVIDE AND INSTALL THE REMAINING SIGNS AT THE LOCATIONS SHOWN ON THE PLAN
- EXACT LOCATIONS OF ALL SIGNS ARE TO BE DETERMINED ON-SITE BY THE ENGINEER

**SUMMARY OF MATERIALS**

SIGN TYPE	SIZE	UNIT	QUANTITY	TOTAL
INFORMATION	6.33	SF	19	101.33
DETOUR	10.67	SF	7	74.67
			TOTAL	176

- LEGEND**
- PROPOSED TRAIL
  - ..... SOFT SURFACE DETOUR
  - HARD SURFACE DETOUR
  - 1 INFORMATION SIGN
  - # DETOUR SIGN

**REVISIONS**

NAME	DATE

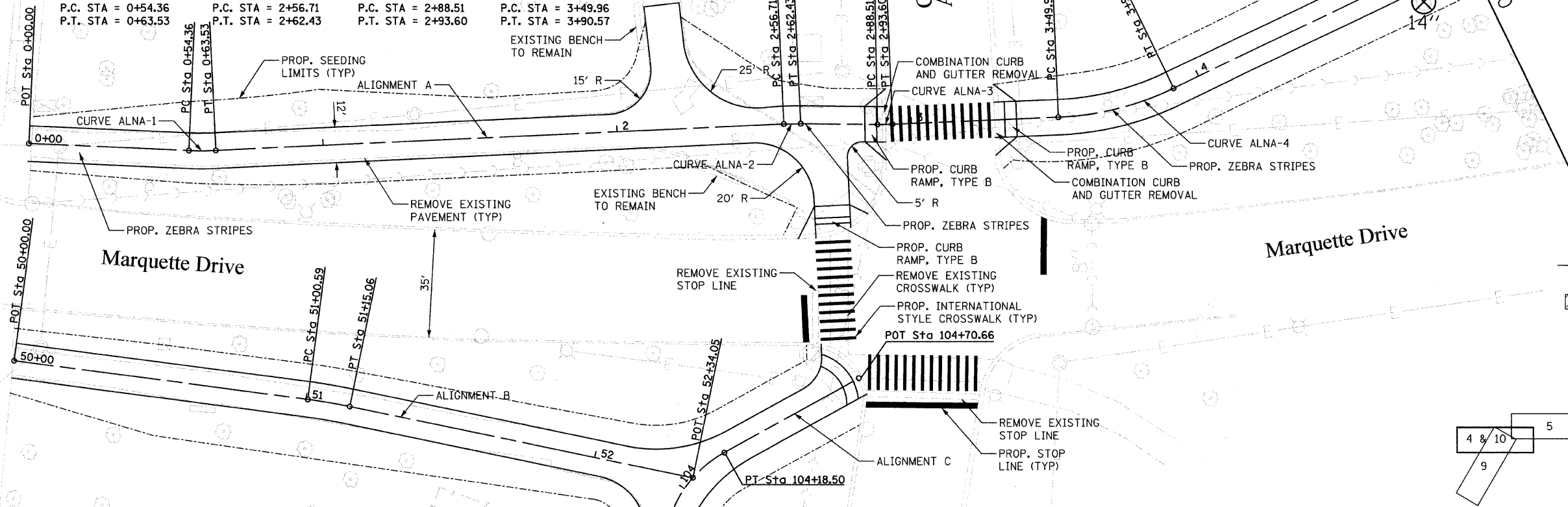
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CHICAGO PARK DISTRICT - JACKSON PARK  
 MARQUETTE DRIVE BICYCLE PATH  
 DETOUR

SCALE: 1" = 20'  
 DATE: 10/16/2009  
 DRAWN BY: MJP  
 CHECKED BY: TB

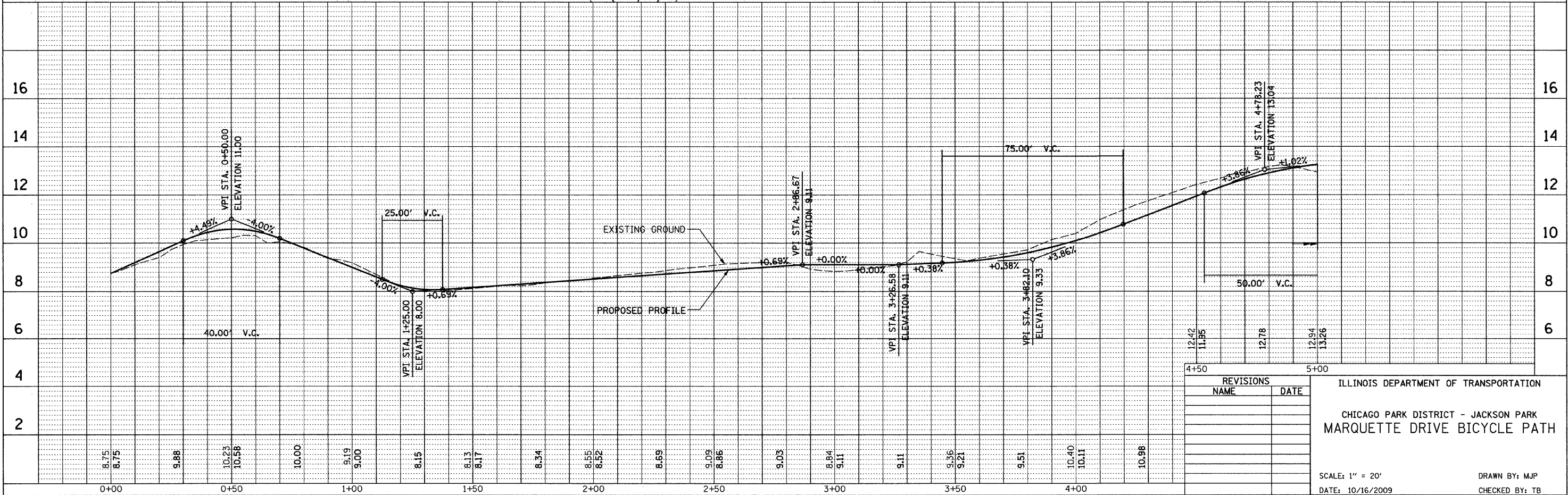
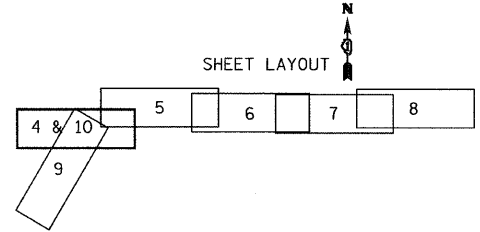
Stony Island Avenue

<p>PROP. CURVE ALNA-1 PI STA. = 0+58.95 Δ = 5° 15' 22" (LT) D = 57° 17' 45" R = 100.00' T = 4.59' L = 9.17' E = 0.11' P.C. STA = 0+54.36 P.T. STA = 0+63.53</p>	<p>PROP. CURVE ALNA-2 PI STA. = 2+59.57 Δ = 3° 16' 36" (LT) D = 57° 17' 45" R = 100.00' T = 2.86' L = 5.72' E = 0.04' P.C. STA = 2+56.71 P.T. STA = 2+62.43</p>	<p>PROP. CURVE ALNA-3 PI STA. = 2+91.06 Δ = 2° 54' 57" (LT) D = 57° 17' 45" R = 100.00' T = 2.55' L = 5.09' E = 0.03' P.C. STA = 2+88.51 P.T. STA = 2+93.60</p>	<p>PROP. CURVE ALNA-4 PI STA. = 3+70.55 Δ = 23° 16' 00" (LT) D = 57° 17' 45" R = 100.00' T = 20.59' L = 40.61' E = 2.10' P.C. STA = 3+49.96 P.T. STA = 3+90.57</p>
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- ⊗ TREE REMOVAL
- TREE PROTECTION WITH TEMPORARY FENCE
- TREE AND ROOT PRUNING
- ▨ SELECTIVE CLEARING AREA

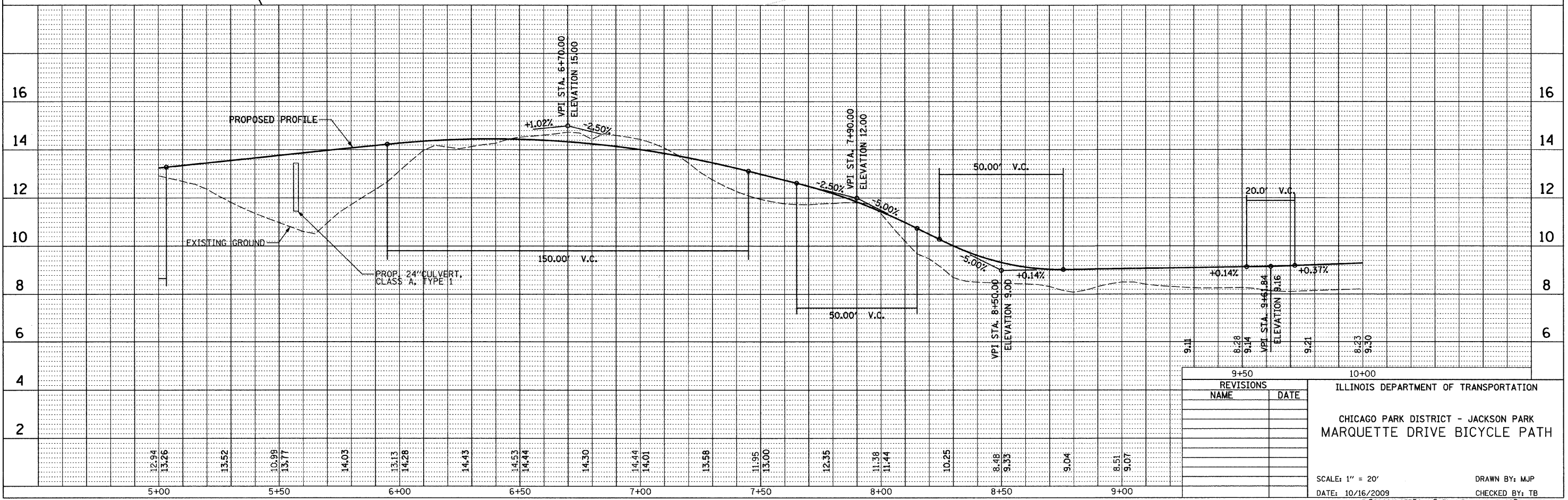
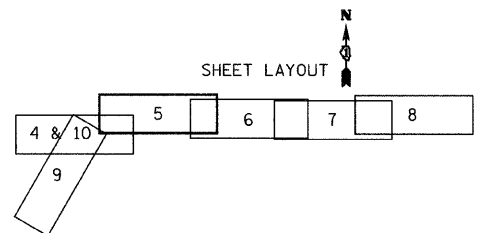
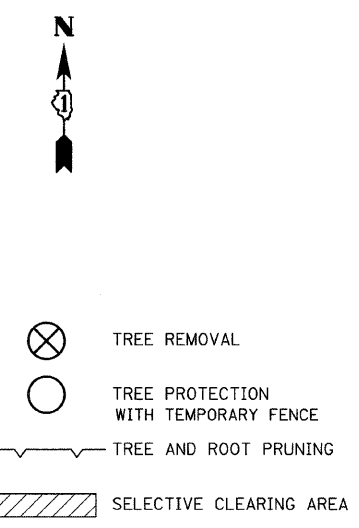
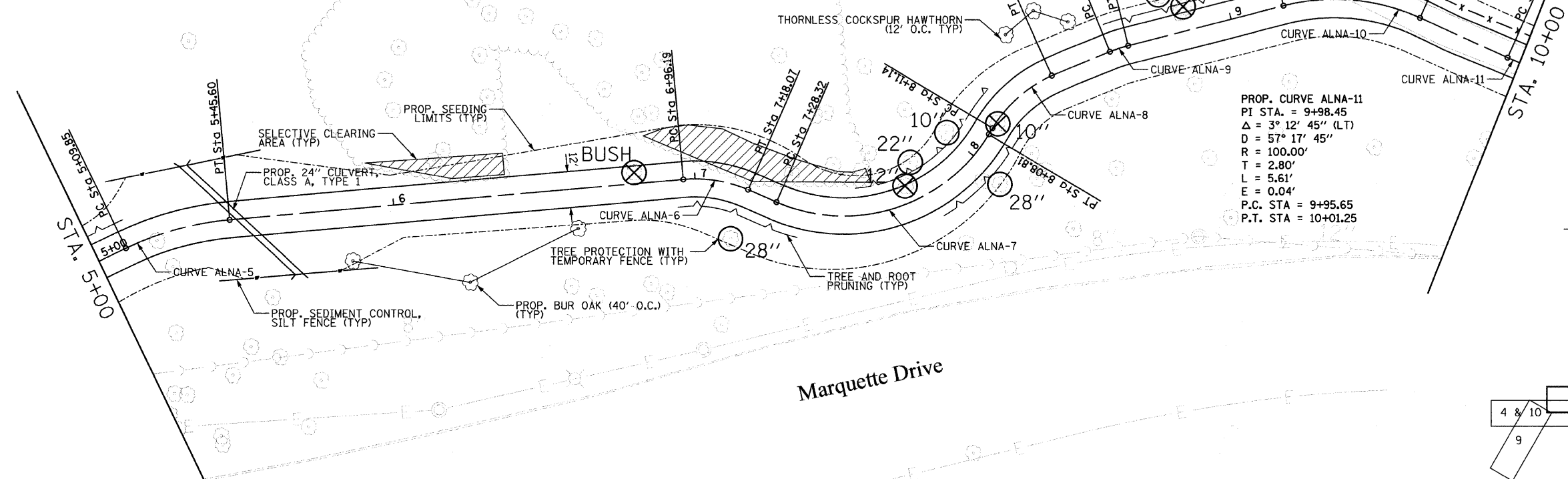


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CHICAGO PARK DISTRICT - JACKSON PARK  
 MARQUETTE DRIVE BICYCLE PATH  
 SCALE: 1" = 20'  
 DATE: 10/16/2009  
 DRAWN BY: MJP  
 CHECKED BY: TB

PROP. CURVE ALNA-5 PI STA. = 5+27.92 Δ = 20° 28' 56" (RT) D = 57' 17' 45" R = 100.00' T = 18.07' L = 35.75' E = 1.62' P.C. STA = 5+09.85 P.T. STA = 5+45.60	PROP. CURVE ALNA-6 PI STA. = 7+07.36 Δ = 28° 30' 06" (RT) D = 130° 13' 04" R = 44.00' T = 11.18' L = 21.89' E = 1.40' P.C. STA = 6+96.19 P.T. STA = 7+18.07	PROP. CURVE ALNA-7 PI STA. = 7+77.30 Δ = 82° 20' 48" (LT) D = 102° 18' 50" R = 56.00' T = 48.98' L = 80.48' E = 18.40' P.C. STA = 7+28.32 P.T. STA = 8+08.81	PROP. CURVE ALNA-8 PI STA. = 8+24.88 Δ = 34° 40' 26" (RT) D = 130° 13' 04" R = 44.00' T = 13.74' L = 26.63' E = 2.09' P.C. STA = 8+11.14 P.T. STA = 8+37.77	PROP. CURVE ALNA-9 PI STA. = 8+61.74 Δ = 8° 15' 21" (RT) D = 130° 13' 04" R = 44.00' T = 3.18' L = 6.34' E = 0.11' P.C. STA = 8+58.56 P.T. STA = 8+64.90	PROP. CURVE ALNA-10 PI STA. = 9+41.80 Δ = 38° 18' 44" (RT) D = 83° 02' 15" R = 69.00' T = 23.97' L = 46.14' E = 4.04' P.C. STA = 9+17.83 P.T. STA = 9+63.97
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CHICAGO PARK DISTRICT - JACKSON PARK  
MARQUETTE DRIVE BICYCLE PATH

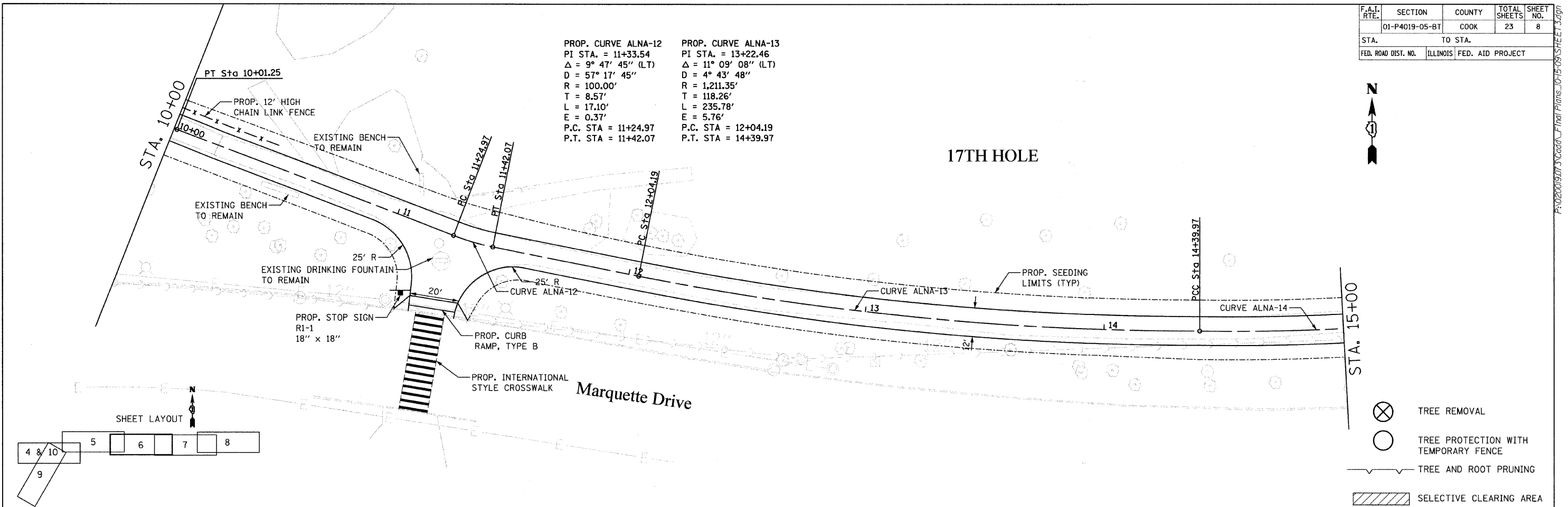
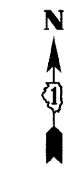
SCALE: 1" = 20'  
DATE: 10/16/2009  
DRAWN BY: MJP  
CHECKED BY: TB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-P4019-05-BT		COOK	23	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

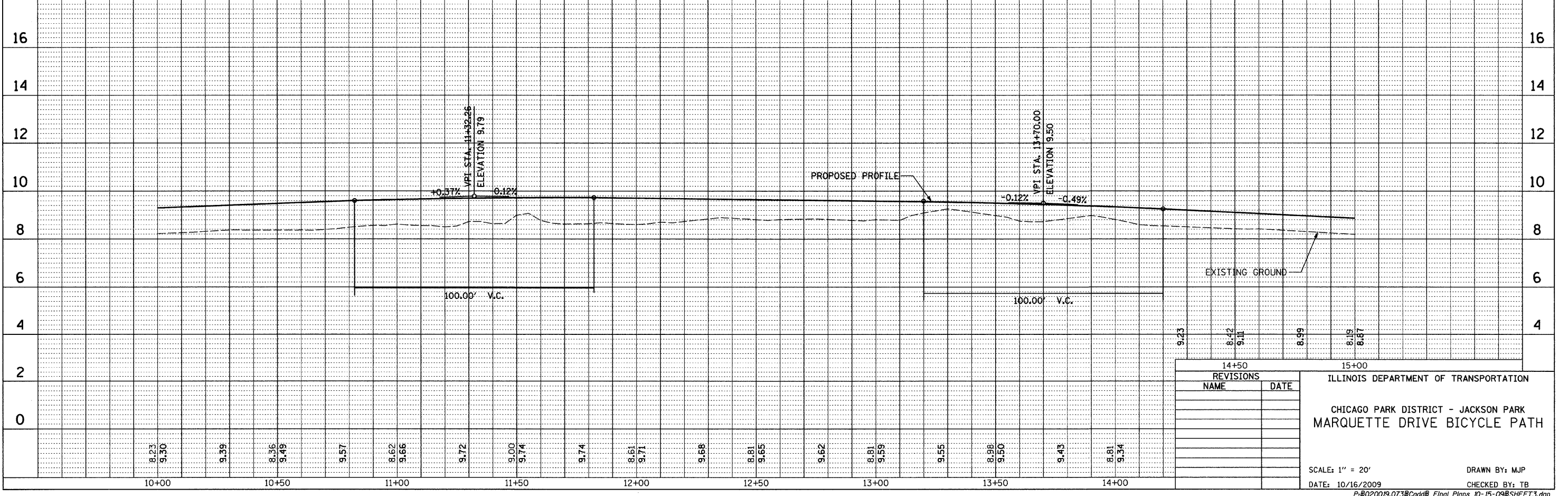
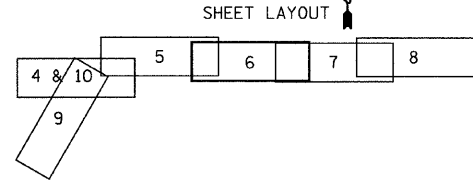
PROP. CURVE ALNA-12  
 PI STA. = 11+33.54  
 $\Delta = 9^\circ 47' 45''$  (LT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 8.57'$   
 $L = 17.10'$   
 $E = 0.37'$   
 P.C. STA = 11+24.97  
 P.T. STA = 11+42.07

PROP. CURVE ALNA-13  
 PI STA. = 13+22.46  
 $\Delta = 11^\circ 09' 08''$  (LT)  
 $D = 4^\circ 43' 48''$   
 $R = 1,211.35'$   
 $T = 118.26'$   
 $L = 235.78'$   
 $E = 5.76'$   
 P.C. STA = 12+04.19  
 P.T. STA = 14+39.97

### 17TH HOLE



- TREE REMOVAL
- TREE PROTECTION WITH TEMPORARY FENCE
- TREE AND ROOT PRUNING
- SELECTIVE CLEARING AREA

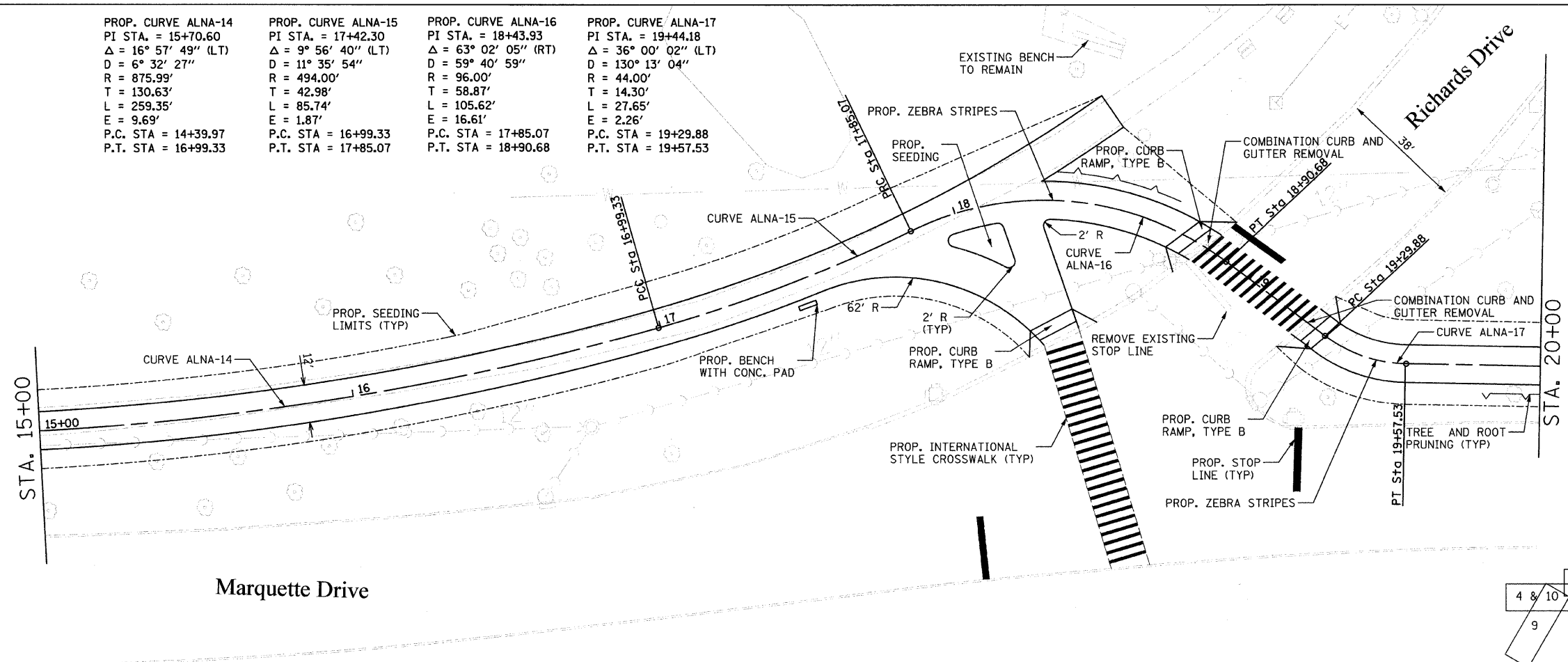


14+50		15+00	
ILLINOIS DEPARTMENT OF TRANSPORTATION			
CHICAGO PARK DISTRICT - JACKSON PARK			
MARQUETTE DRIVE BICYCLE PATH			
SCALE: 1" = 20'		DRAWN BY: MJP	
DATE: 10/16/2009		CHECKED BY: TB	

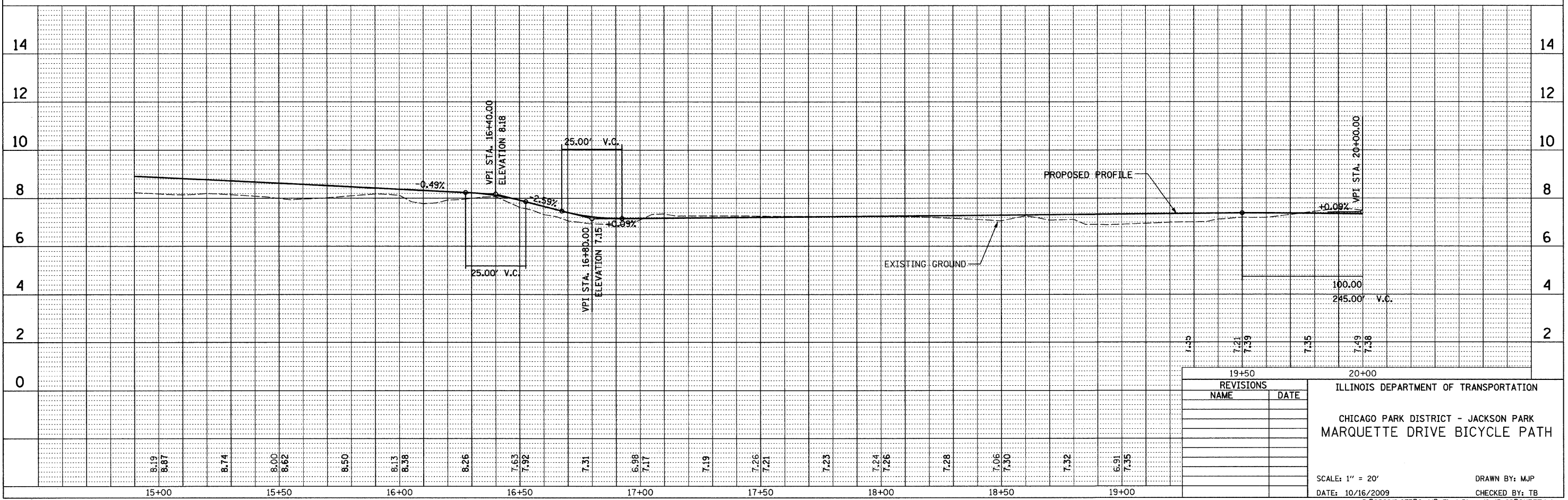
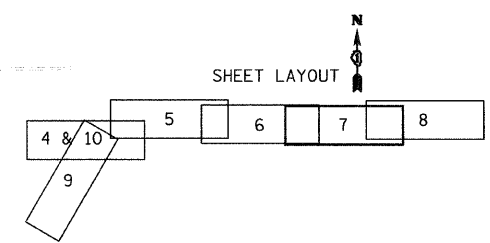


PROP. CURVE ALNA-14 PI STA. = 15+70.60 Δ = 16° 57' 49" (LT) D = 6° 32' 27" R = 875.99' T = 130.63' L = 259.35' E = 9.69' P.C. STA = 14+39.97 P.T. STA = 16+99.33	PROP. CURVE ALNA-15 PI STA. = 17+42.30 Δ = 9° 56' 40" (LT) D = 11° 35' 54" R = 494.00' T = 42.98' L = 85.74' E = 1.87' P.C. STA = 16+99.33 P.T. STA = 17+85.07	PROP. CURVE ALNA-16 PI STA. = 18+43.93 Δ = 63° 02' 05" (RT) D = 59° 40' 59" R = 96.00' T = 58.87' L = 105.62' E = 16.61' P.C. STA = 17+85.07 P.T. STA = 18+90.68	PROP. CURVE ALNA-17 PI STA. = 19+44.18 Δ = 36° 00' 02" (LT) D = 130° 13' 04" R = 44.00' T = 14.30' L = 27.65' E = 2.26' P.C. STA = 19+29.88 P.T. STA = 19+57.53
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- ⊗ TREE REMOVAL
- TREE PROTECTION WITH TEMPORARY FENCE
- TREE AND ROOT PRUNING
- ▨ SELECTIVE CLEARING AREA



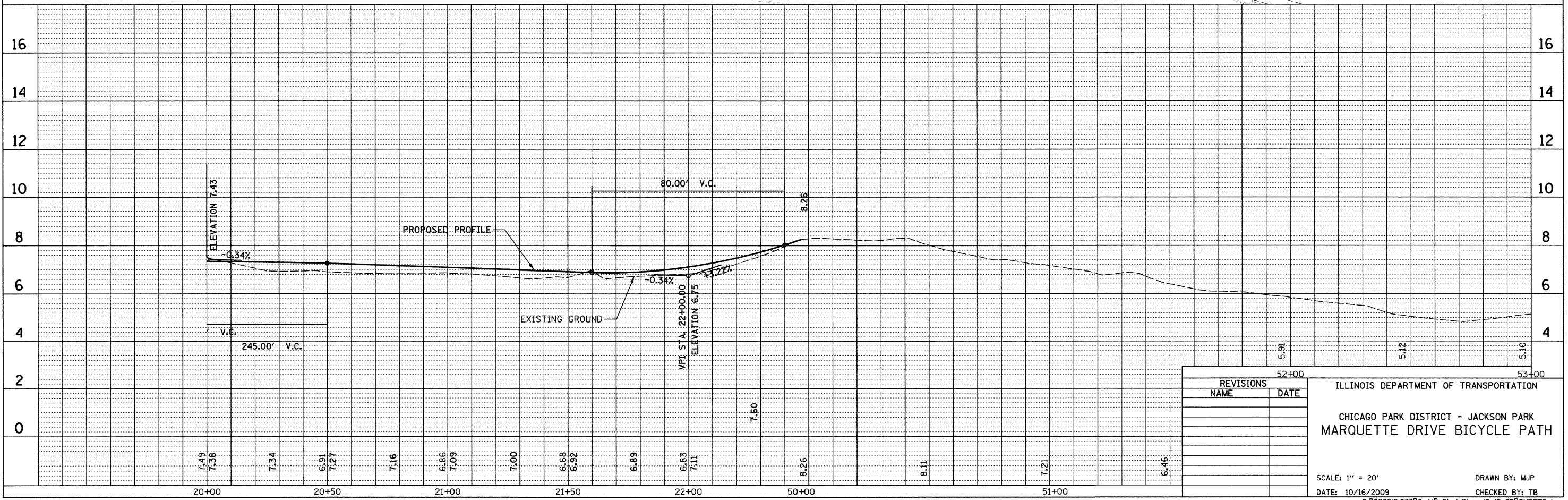
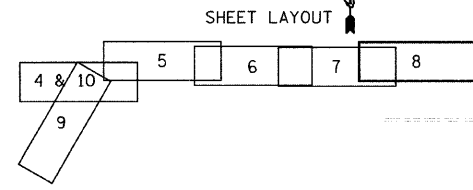
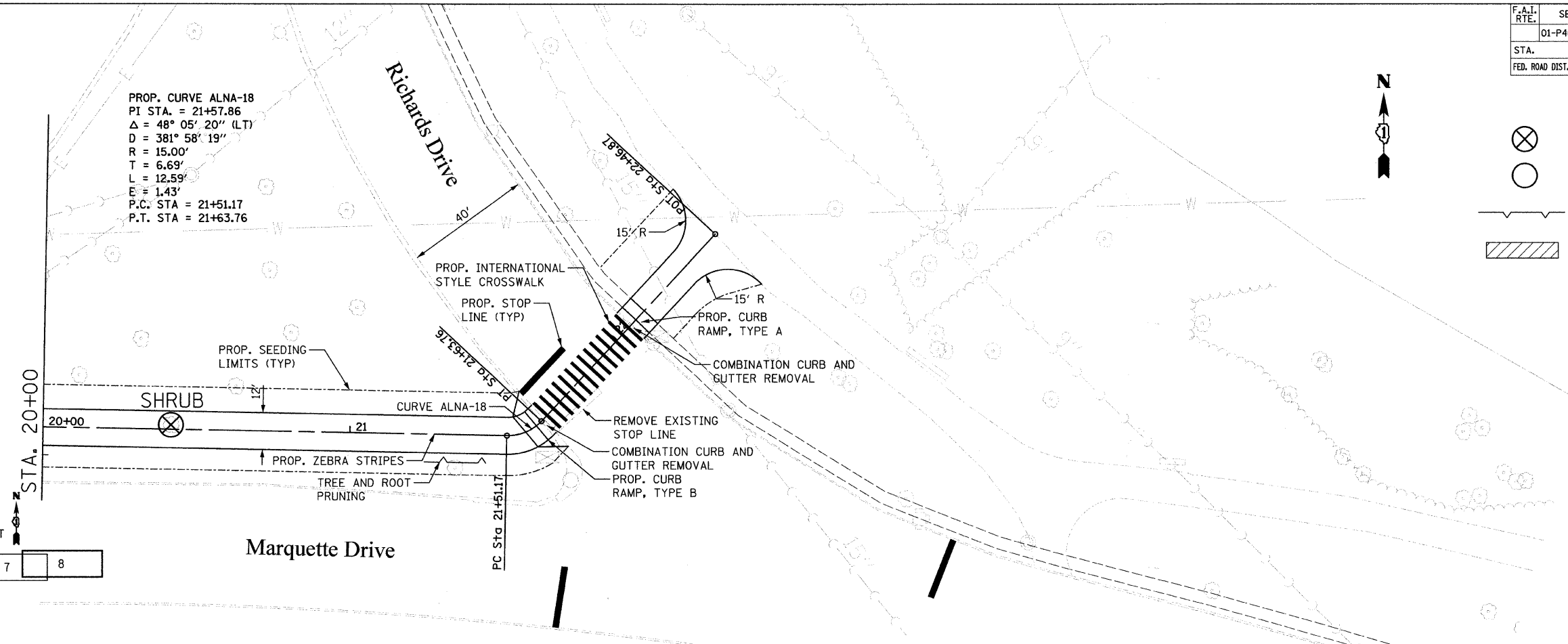
19+50		20+00	
REVISIONS			
NAME	DATE		
ILLINOIS DEPARTMENT OF TRANSPORTATION			
CHICAGO PARK DISTRICT - JACKSON PARK			
MARQUETTE DRIVE BICYCLE PATH			
SCALE: 1" = 20'		DRAWN BY: MJP	
DATE: 10/16/2009		CHECKED BY: TB	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-P4019-05-BT		COOK	23	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROP. CURVE ALNA-18  
 PI STA. = 21+57.86  
 $\Delta = 48^\circ 05' 20''$  (LT)  
 $D = 381' 58' 19''$   
 $R = 15.00'$   
 $T = 6.69'$   
 $L = 12.59'$   
 $E = 1.43'$   
 P.C. STA = 21+51.17  
 P.T. STA = 21+63.76



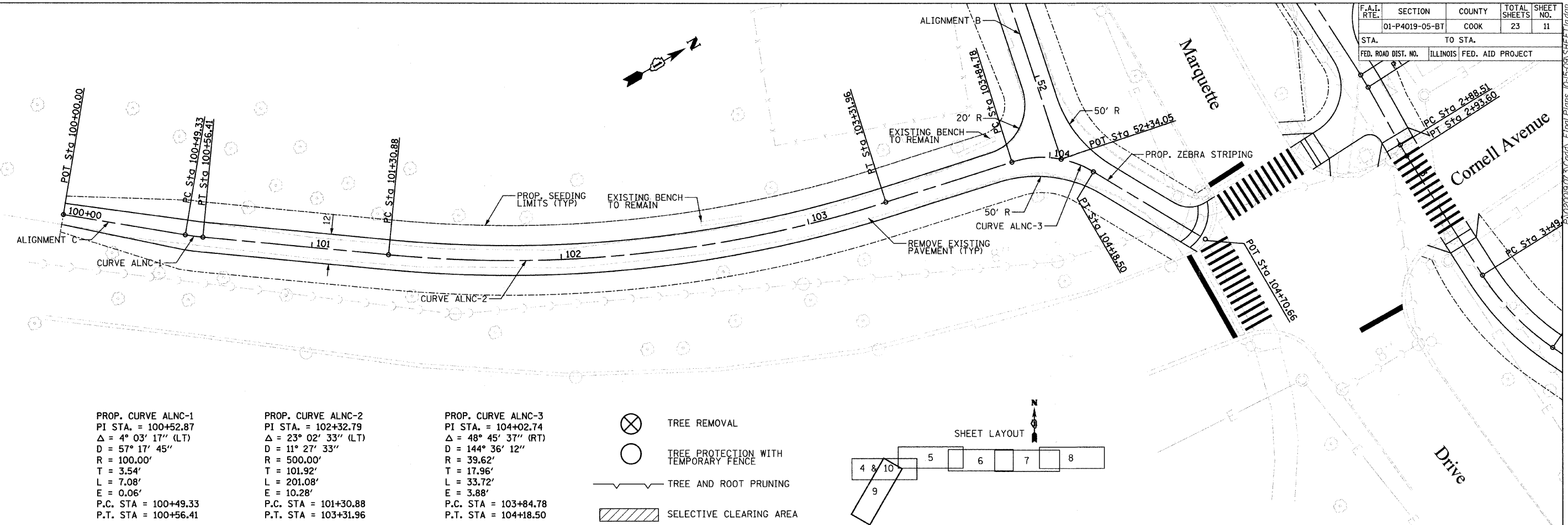
- TREE REMOVAL
- TREE PROTECTION WITH TEMPORARY FENCE
- TREE AND ROOT PRUNING
- SELECTIVE CLEARING AREA



REVISIONS	
NAME	DATE

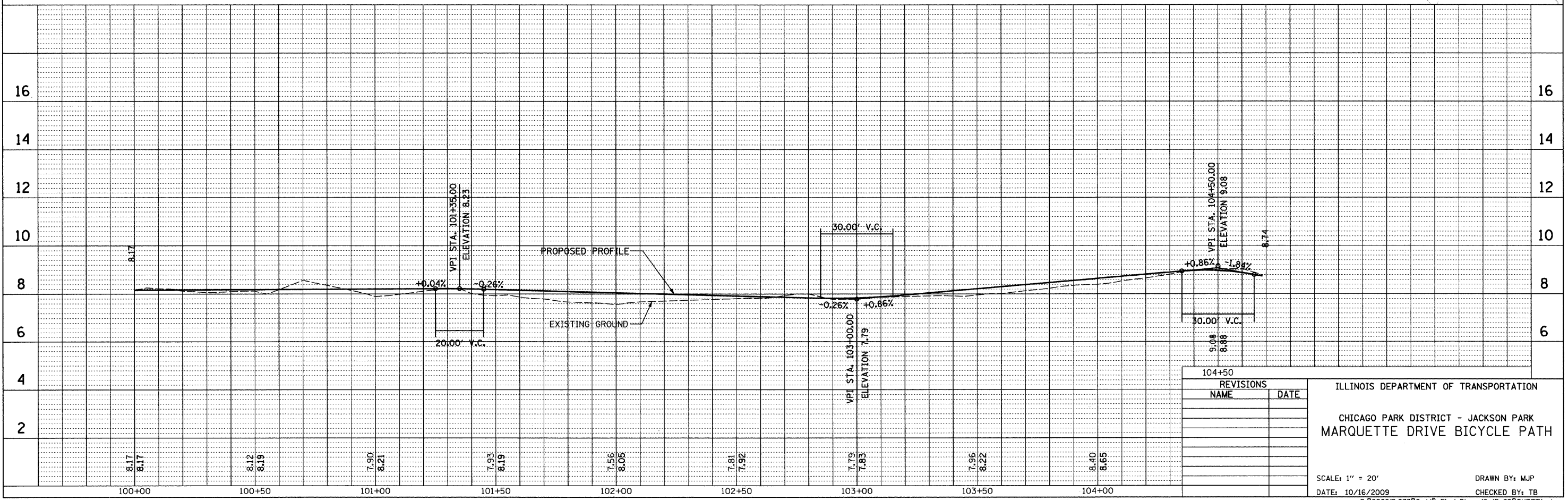
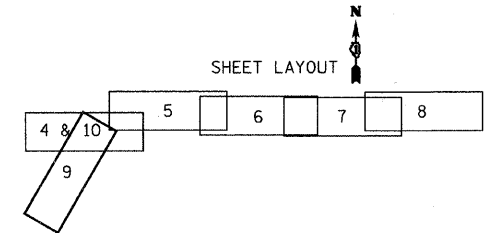
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CHICAGO PARK DISTRICT - JACKSON PARK  
 MARQUETTE DRIVE BICYCLE PATH  
 SCALE: 1" = 20'  
 DATE: 10/16/2009  
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 CHECKED BY: TB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-P4019-05-BT		COOK	23	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



<p>PROP. CURVE ALNC-1          PI STA. = 100+52.87  <math>\Delta = 4^\circ 03' 17''</math> (LT)  <math>D = 57^\circ 17' 45''</math>  <math>R = 100.00'</math>  <math>T = 3.54'</math>  <math>L = 7.08'</math>  <math>E = 0.06'</math>          P.C. STA = 100+49.33          P.T. STA = 100+56.41</p>	<p>PROP. CURVE ALNC-2          PI STA. = 102+32.79  <math>\Delta = 23^\circ 02' 33''</math> (LT)  <math>D = 11^\circ 27' 33''</math>  <math>R = 500.00'</math>  <math>T = 101.92'</math>  <math>L = 201.08'</math>  <math>E = 10.28'</math>          P.C. STA = 101+30.88          P.T. STA = 103+31.96</p>	<p>PROP. CURVE ALNC-3          PI STA. = 104+02.74  <math>\Delta = 48^\circ 45' 37''</math> (RT)  <math>D = 144^\circ 36' 12''</math>  <math>R = 39.62'</math>  <math>T = 17.96'</math>  <math>L = 33.72'</math>  <math>E = 3.88'</math>          P.C. STA = 103+84.78          P.T. STA = 104+18.50</p>
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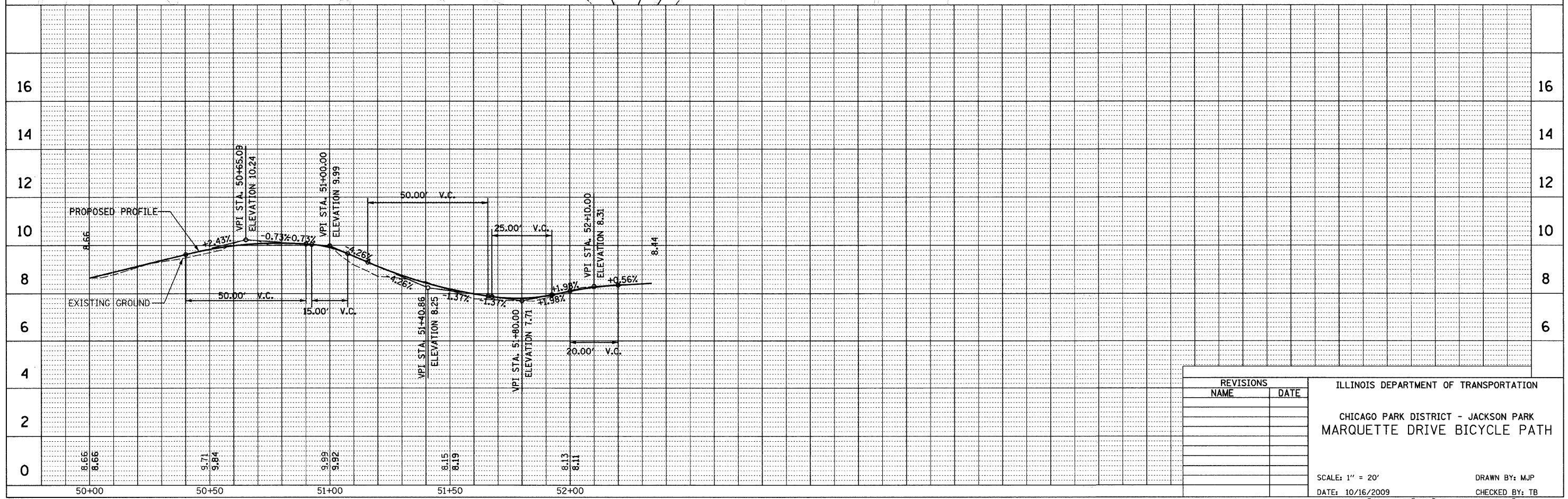
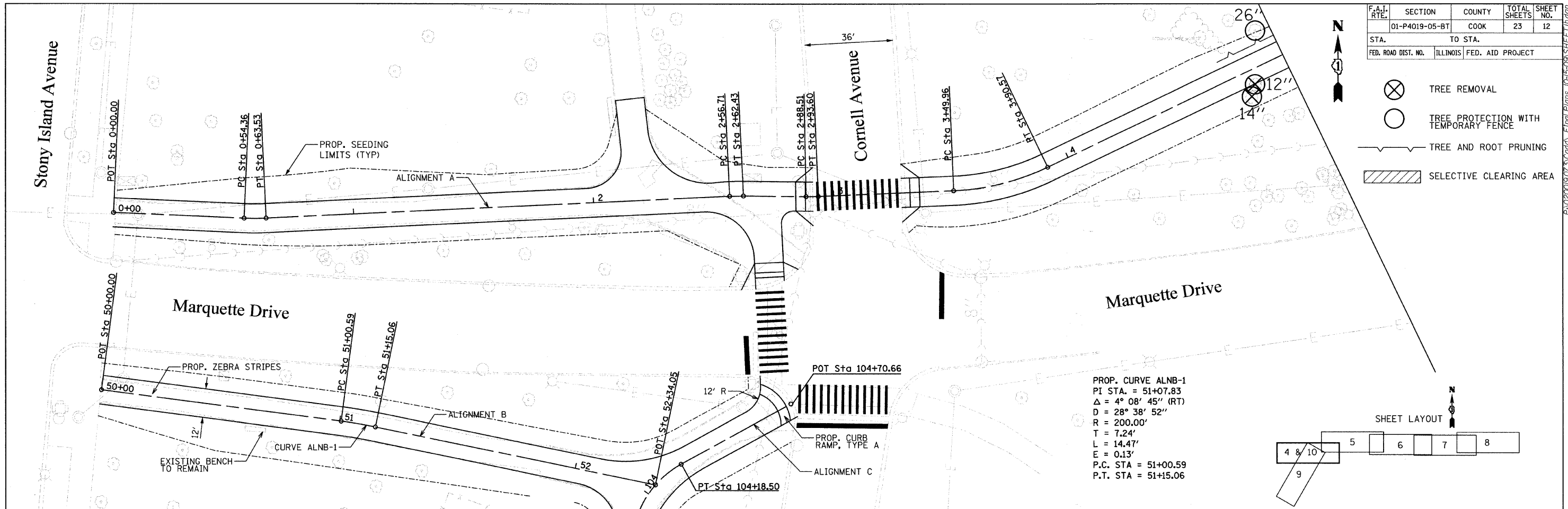
- TREE REMOVAL
- TREE PROTECTION WITH TEMPORARY FENCE
- TREE AND ROOT PRUNING
- SELECTIVE CLEARING AREA



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CHICAGO PARK DISTRICT - JACKSON PARK  
 MARQUETTE DRIVE BICYCLE PATH

SCALE: 1" = 20'  
 DATE: 10/16/2009  
 DRAWN BY: MJP  
 CHECKED BY: TB



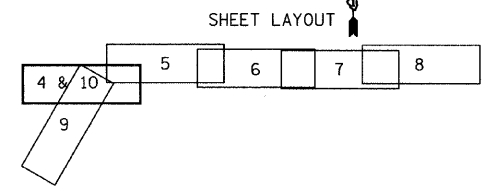
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CHICAGO PARK DISTRICT - JACKSON PARK  
 MARQUETTE DRIVE BICYCLE PATH

SCALE: 1" = 20'  
 DATE: 10/16/2009  
 DRAWN BY: MJP  
 CHECKED BY: TB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-P4019-05-BT		COOK	23	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



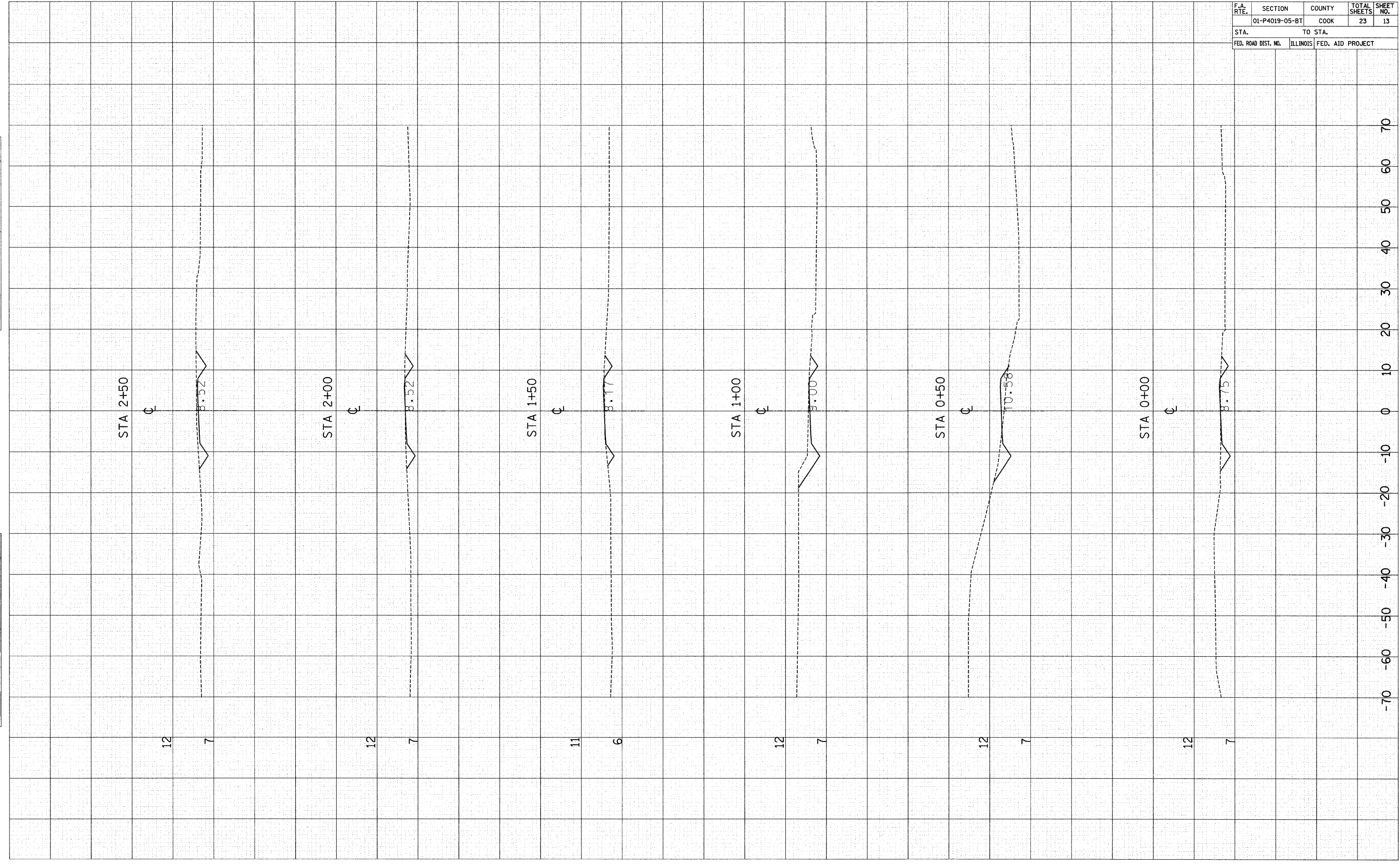
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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



70  
60  
50  
40  
30  
20  
10  
0  
-10  
-20  
-30  
-40  
-50  
-60  
-70

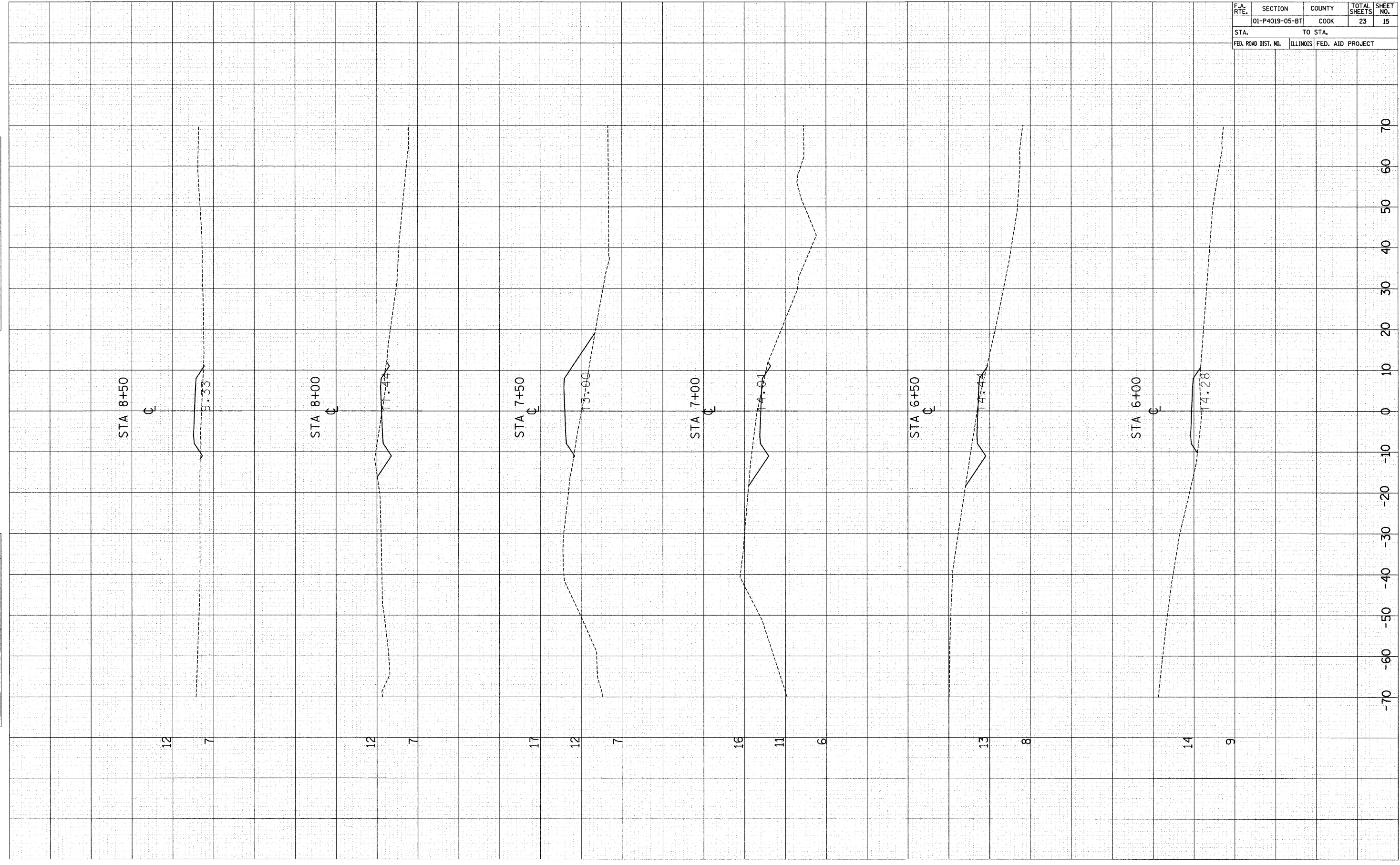




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

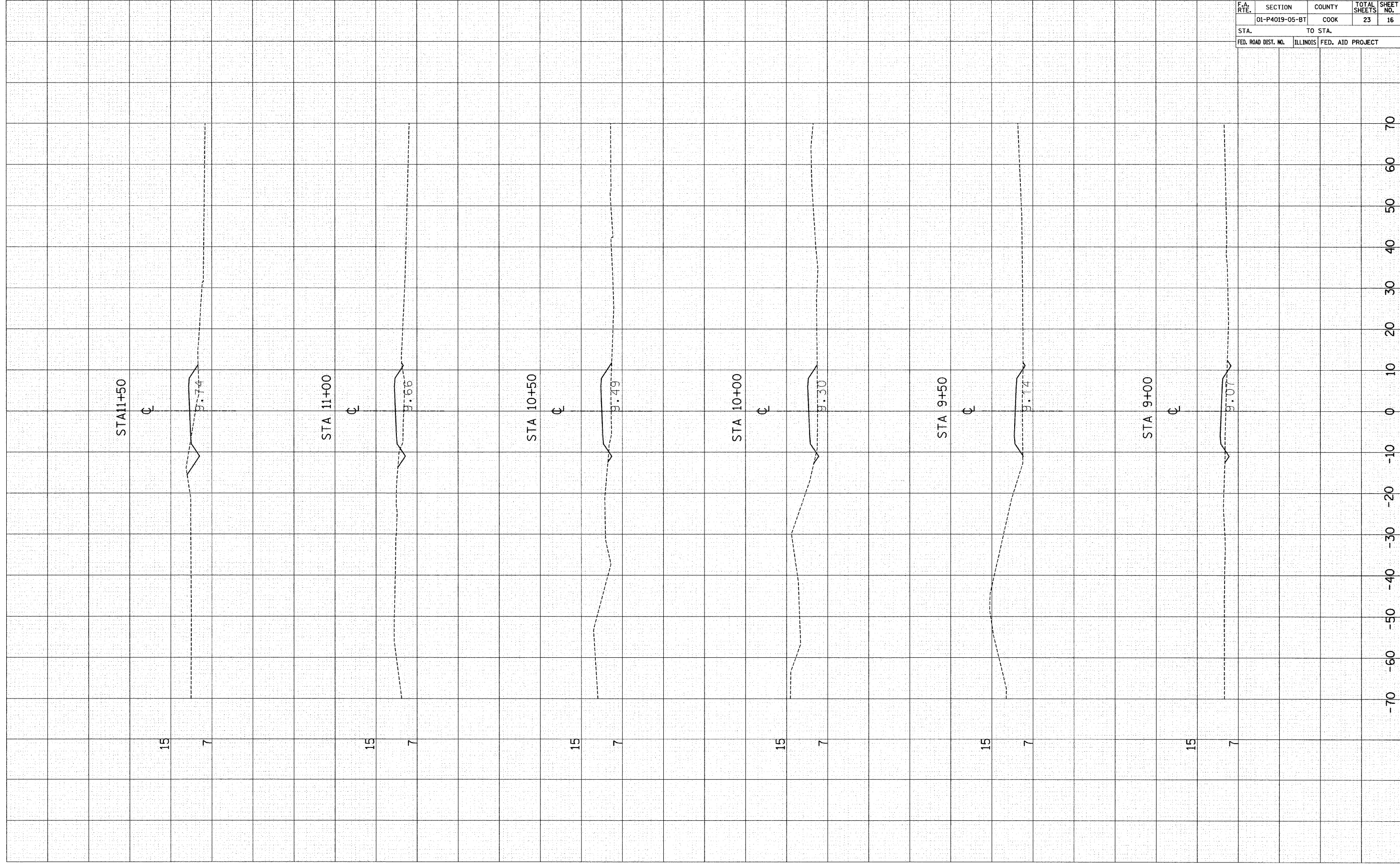
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	AREAS CHECKED	

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE
	AREAS CHECKED	



FINAL SURVEYED SURVEY BY DATE  
 NOTE BOOK NO. \_\_\_\_\_  
 TEMPLATE AREAS CHECKED \_\_\_\_\_

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



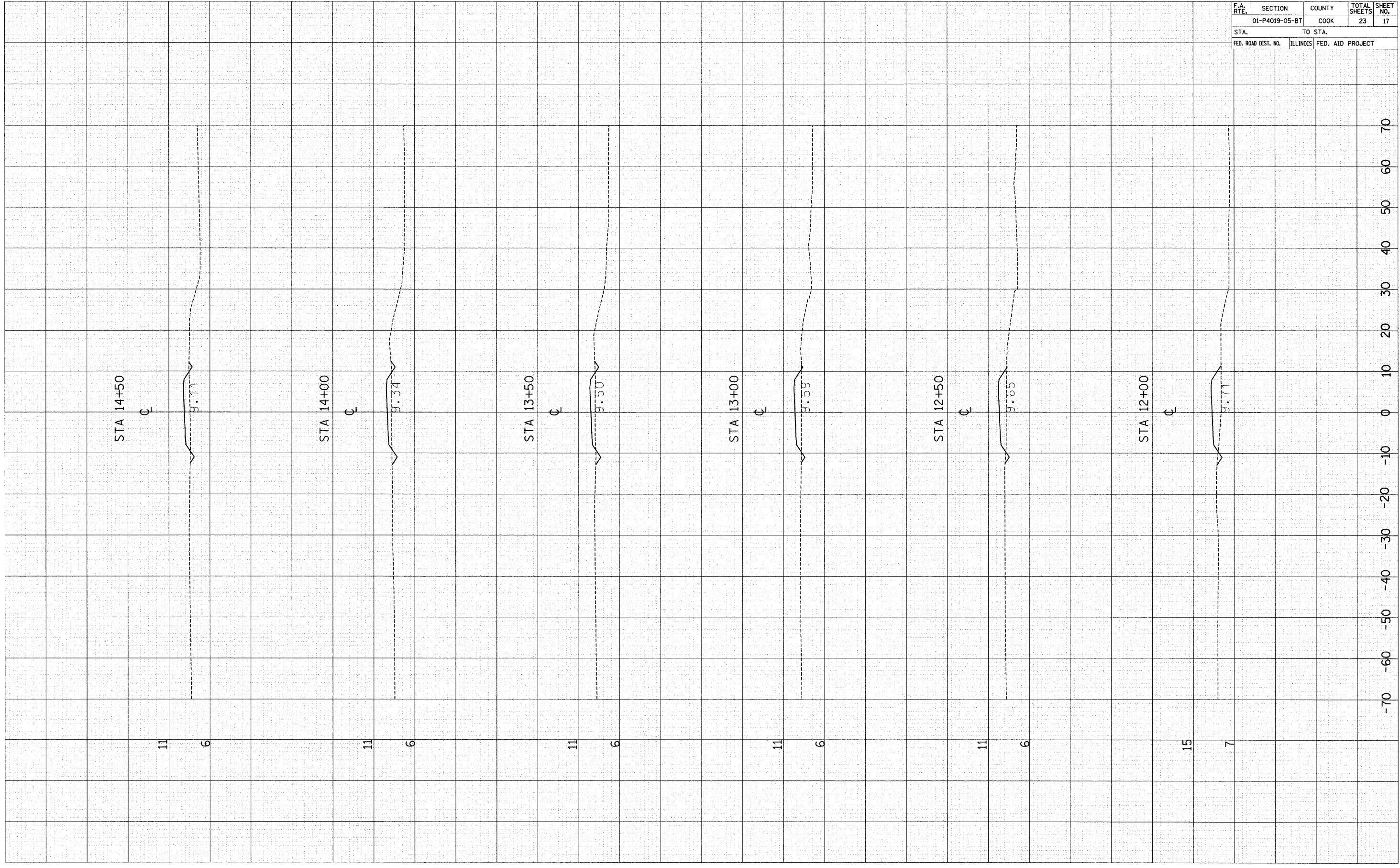
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	01-P4019-05-BT	COOK	23	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	NO.		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	NO.		
	AREAS CHECKED		

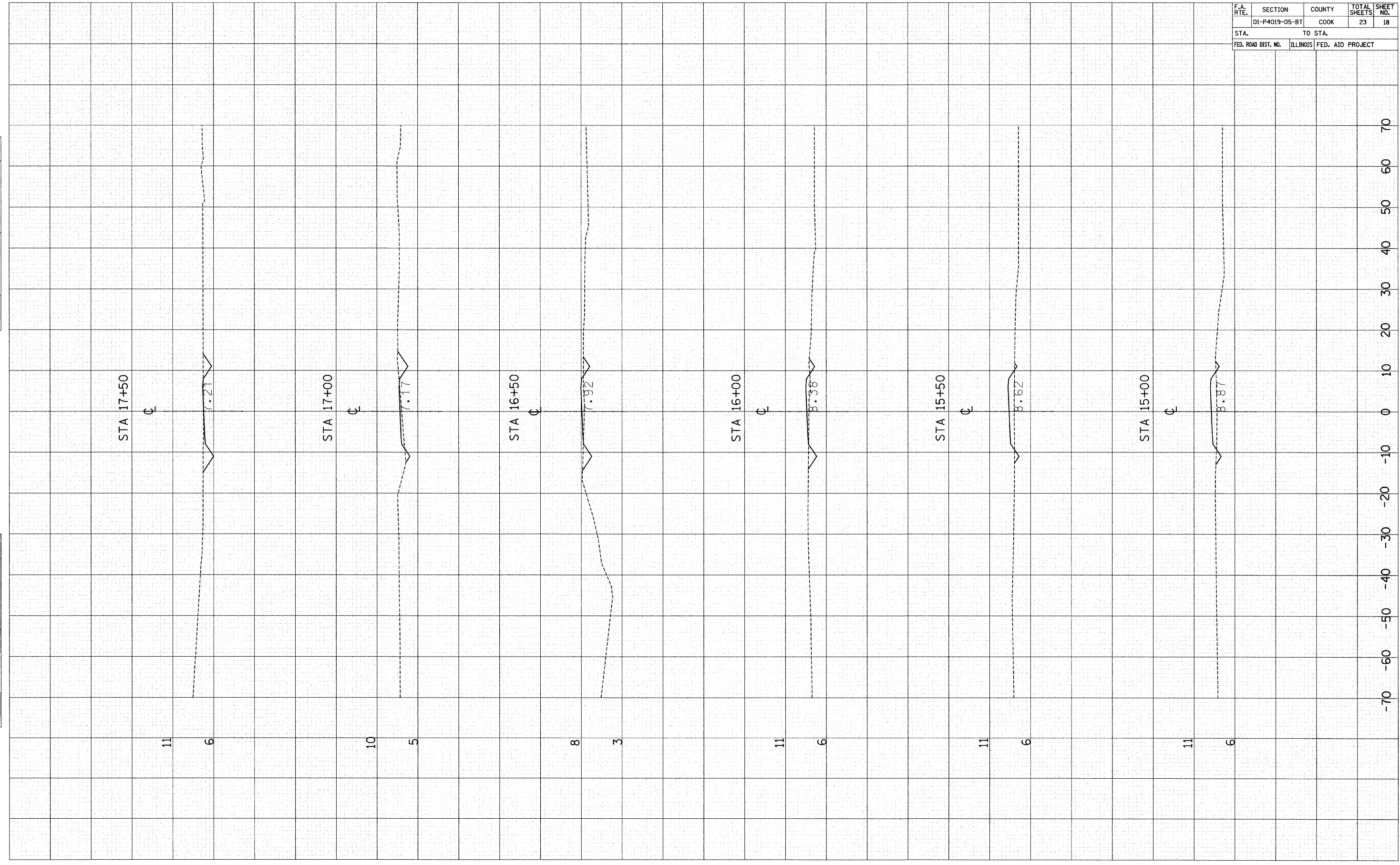


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-30  
-40  
-50  
-60  
-70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE



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8 3

11 6

11 6

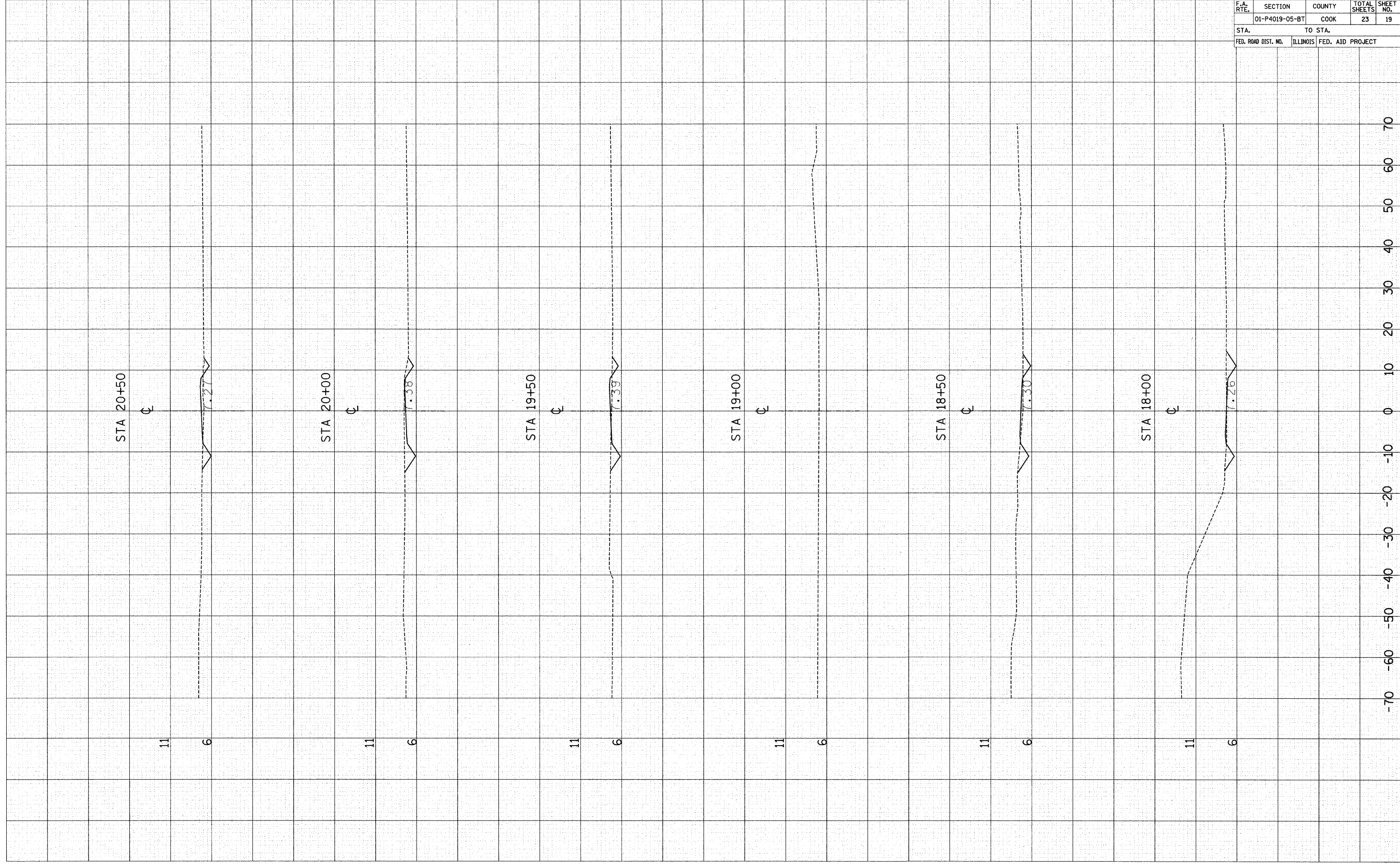
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FINAL SURVEY DATE  
 SURVEYED BY  
 NOTE BOOK NO. TEMPLATE AREAS CHECKED

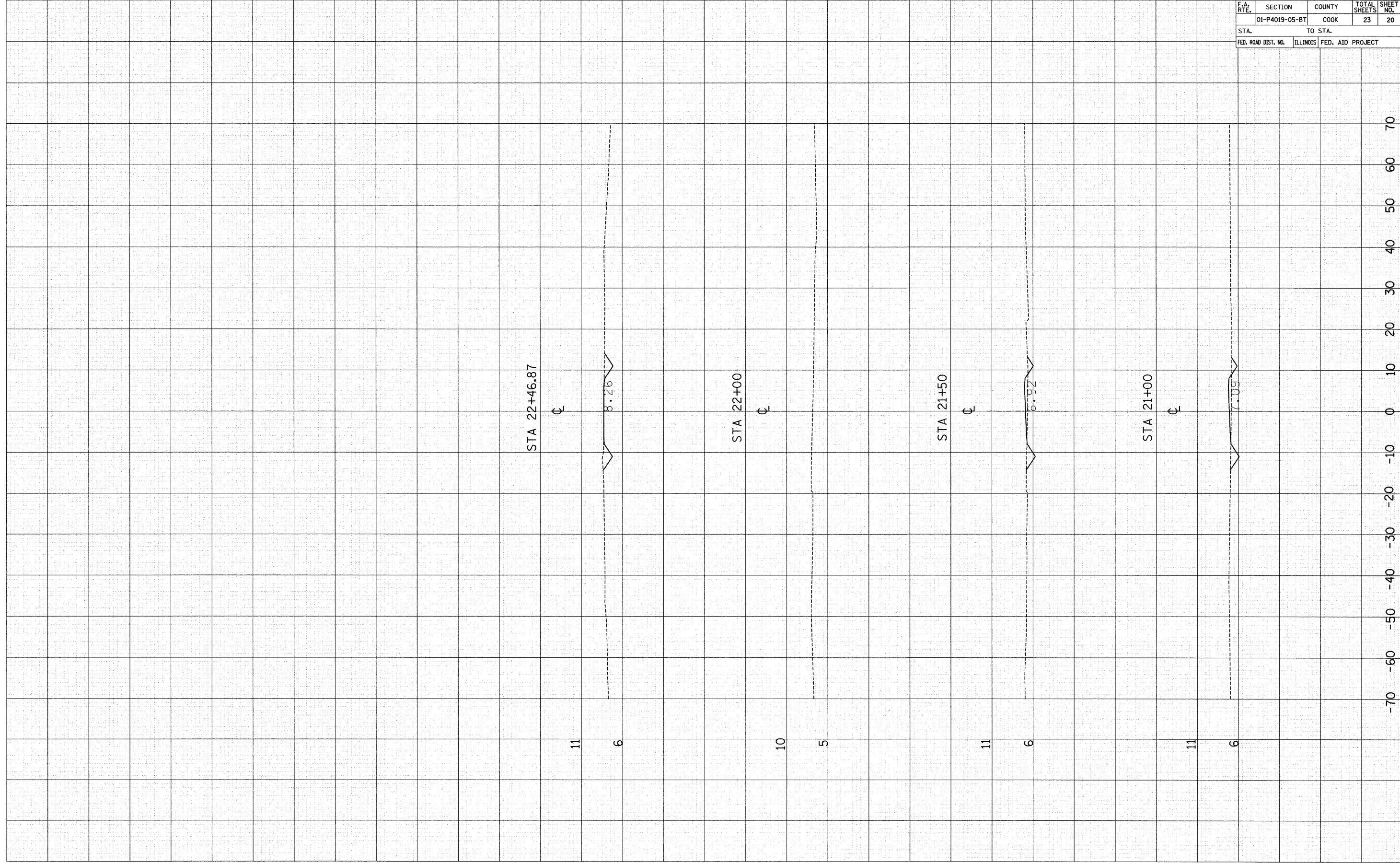
ORIGINAL SURVEY DATE  
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 NOTE BOOK NO. TEMPLATE AREAS CHECKED



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

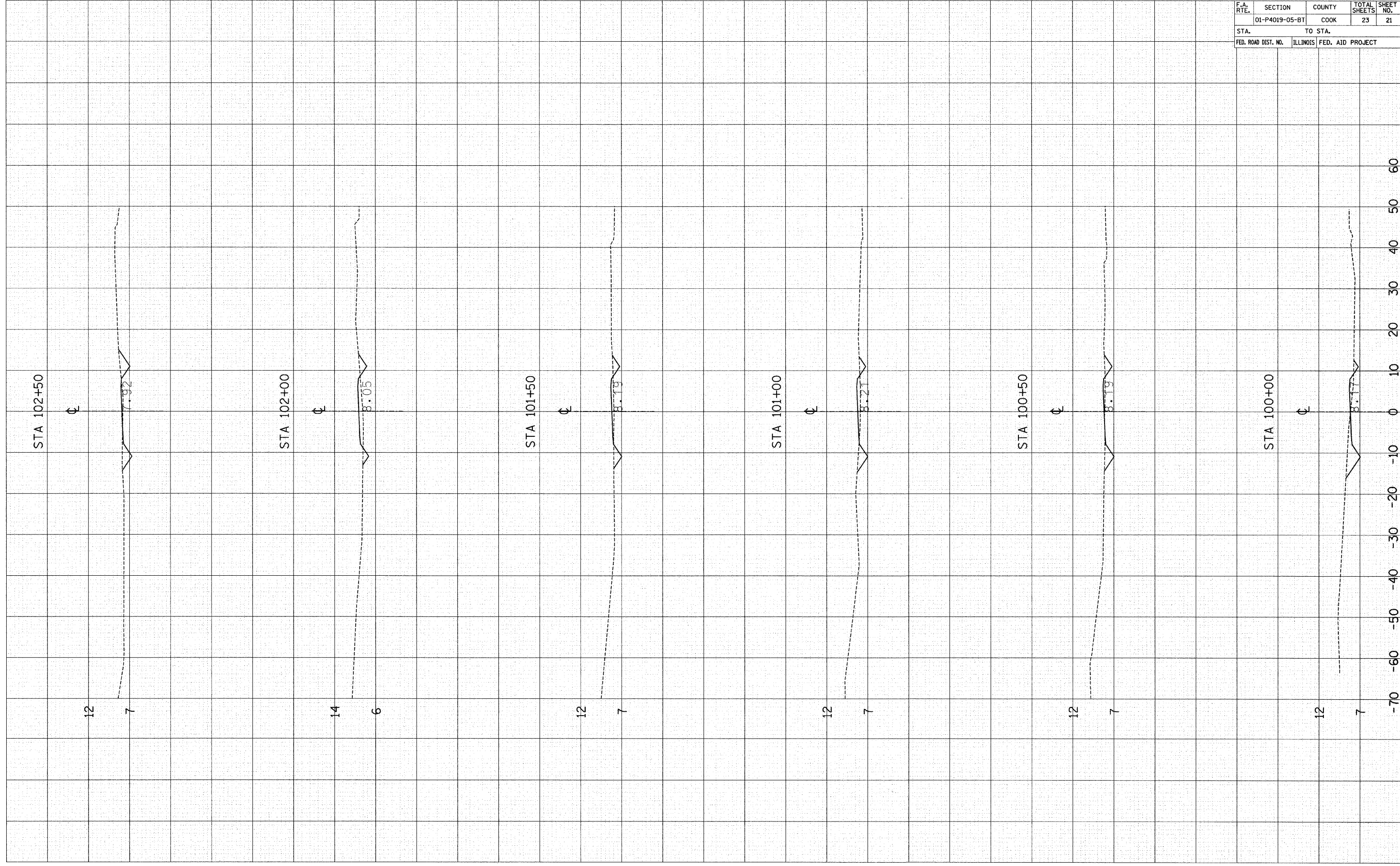
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



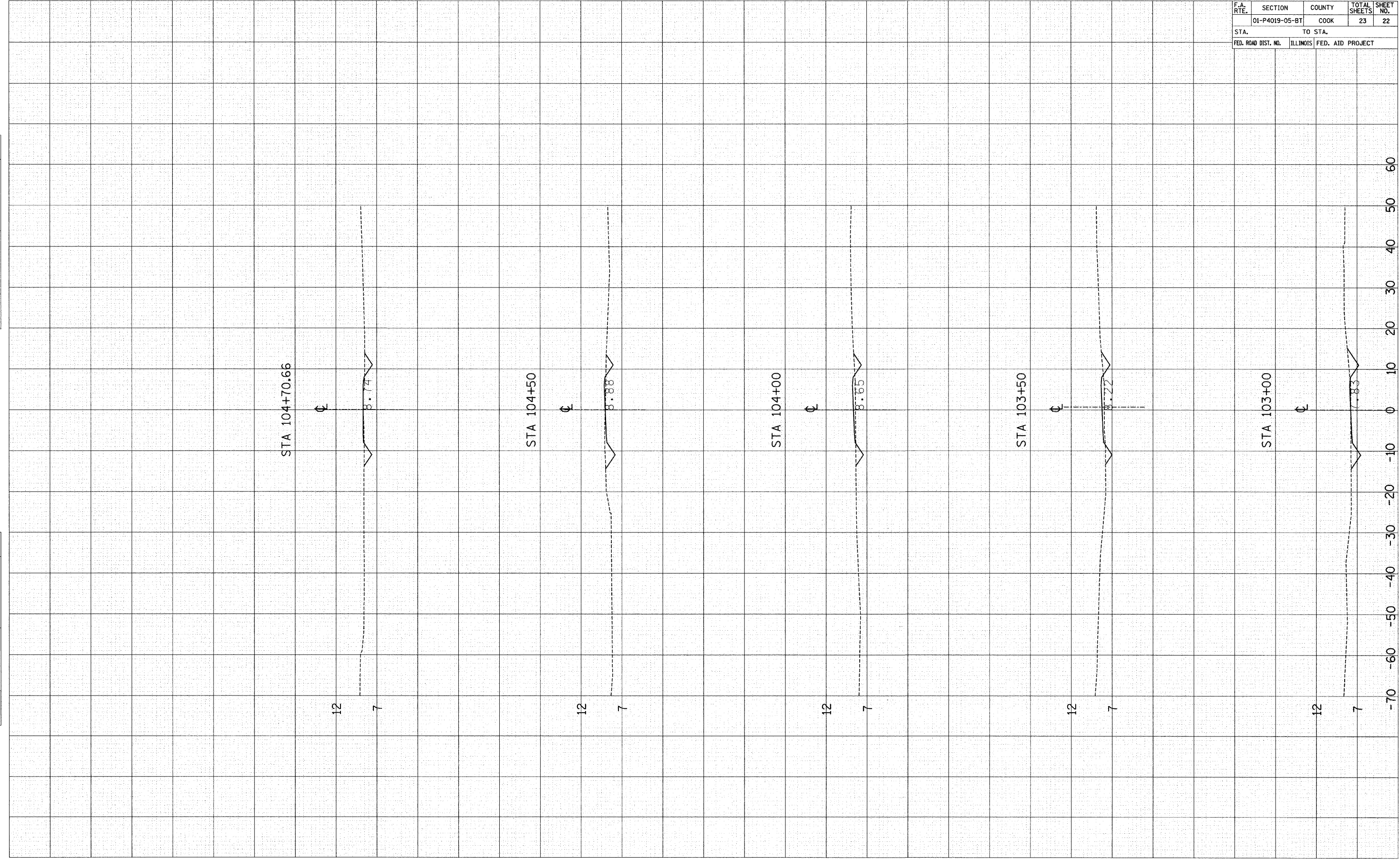
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	01-P4019-05-BT	COOK	23	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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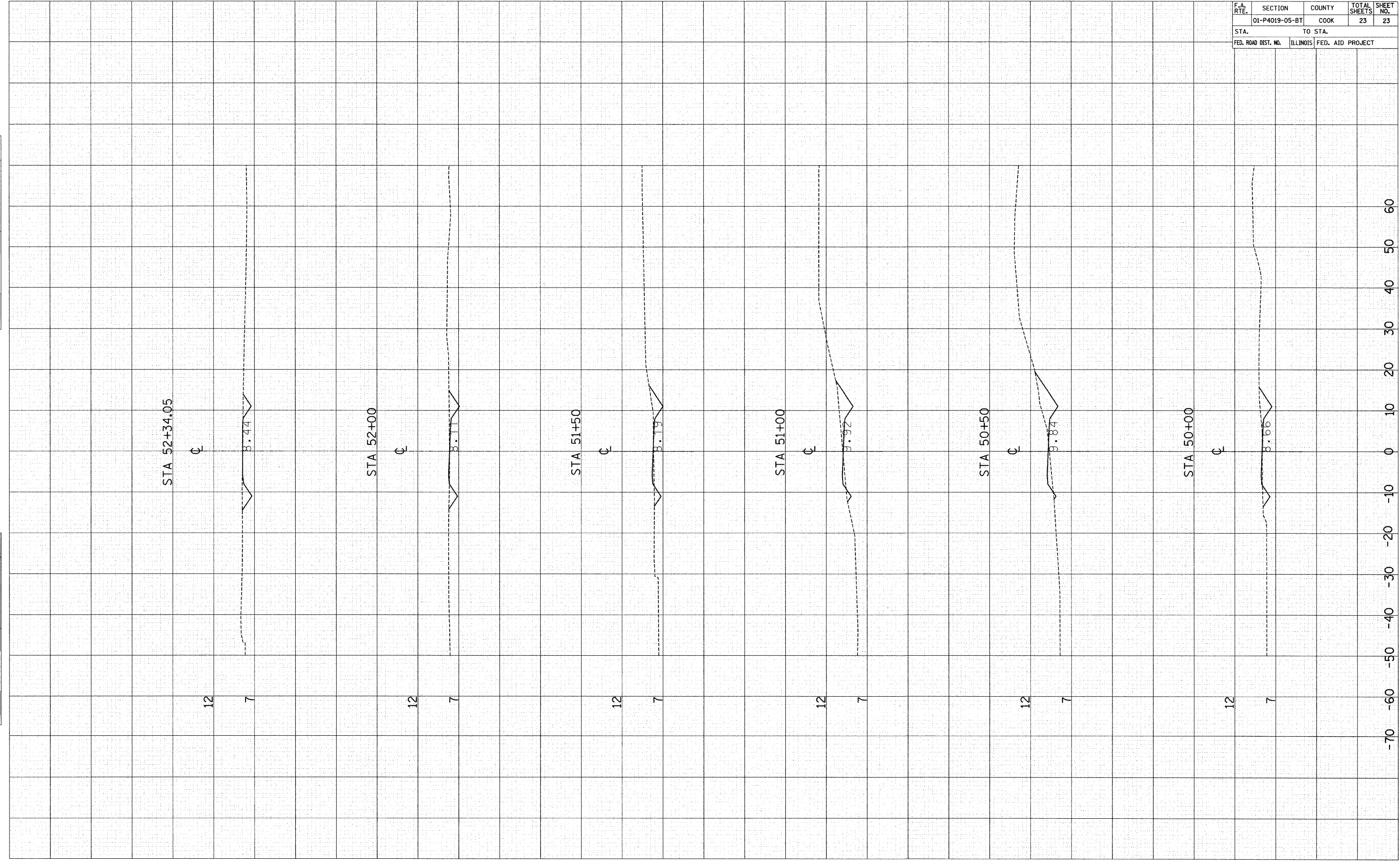
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	TEMPLATE		
	AREAS CHECKED		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



STA 52+34.05

STA 52+00

STA 51+50

STA 51+00

STA 50+50

STA 50+00

12

12

12

12

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7

8.44

8.11

8.19

9.92

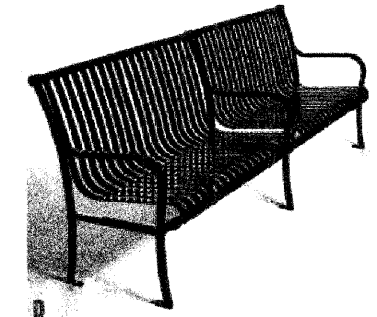
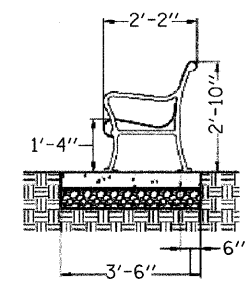
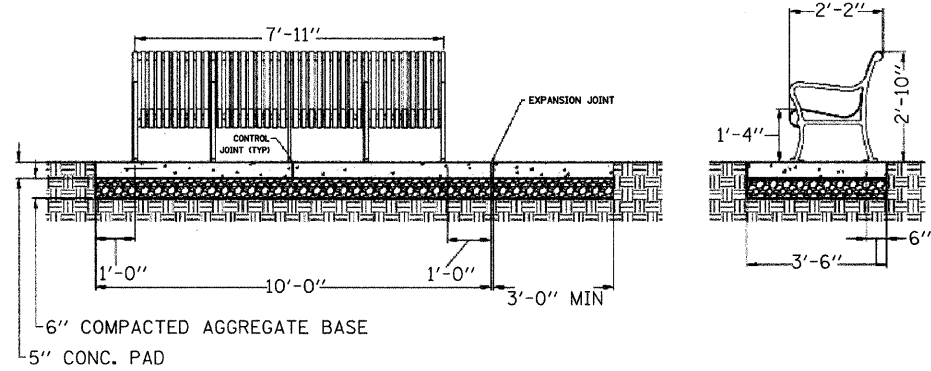
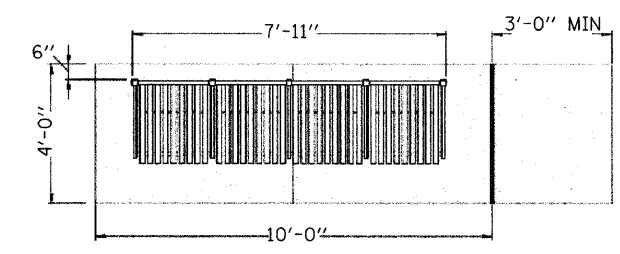
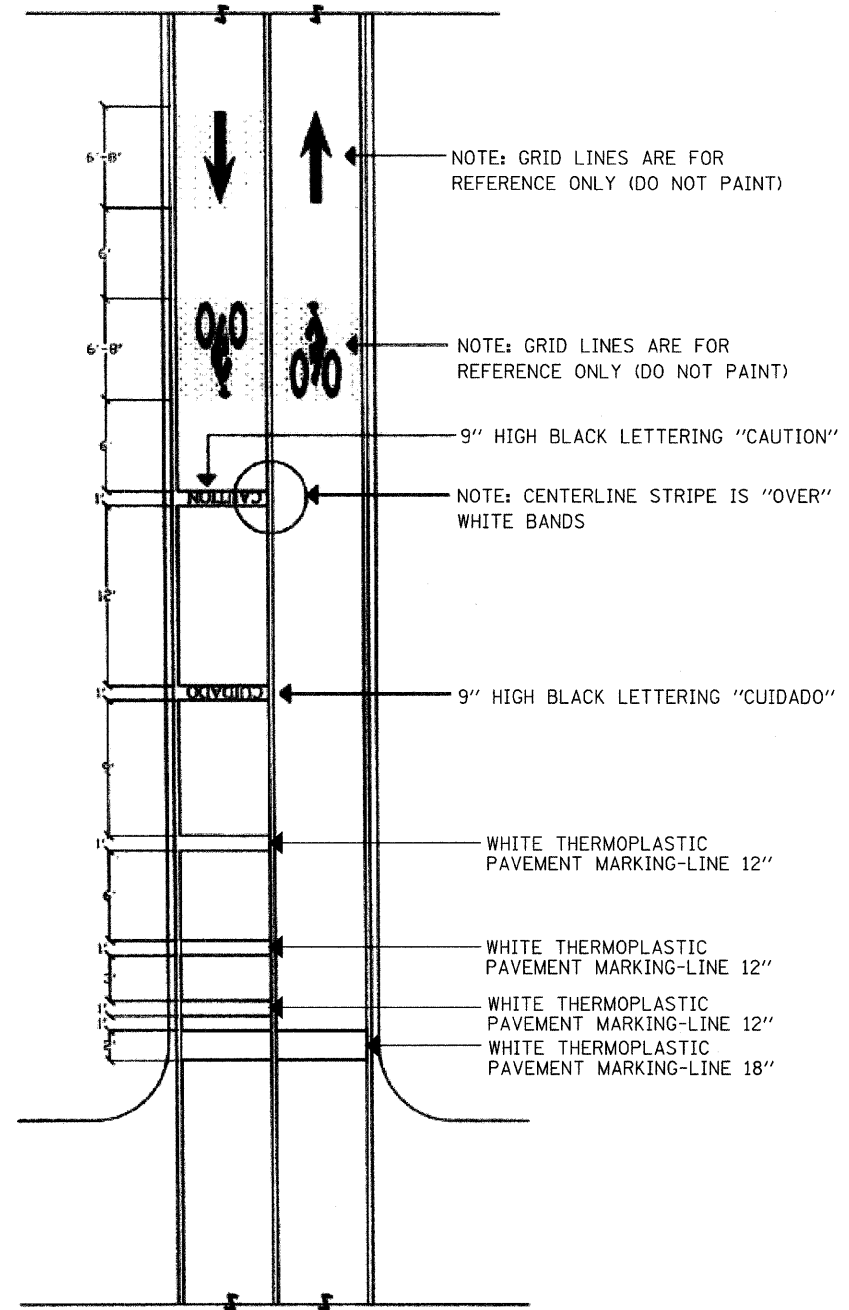
9.84

8.66

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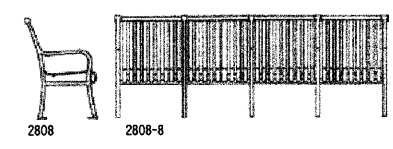


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4019-05-BT	COOK	23	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



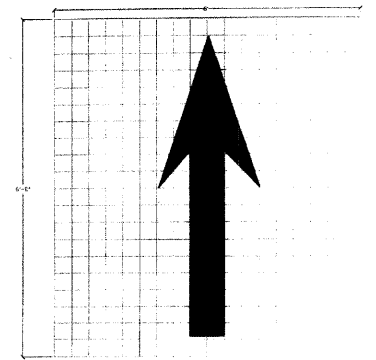
TIMBERFORM RENAISSANCE	MODEL	LENGTH	WIDTH	HEIGHT	SEAT HEIGHT	MOUNTING
BENCH WITH INTERMEDIATE FRAME AND ARMRESTS	2808-6s	6'0" [1830mm]	2'2" [660mm]	2'10" [865mm]	1'4" [405mm]	SURFACE*
	2808-8s	7'11" [2415mm]	2'2" [660mm]	2'10" [865mm]	1'4" [405mm]	SURFACE*
	2808-10s	9'10" [2995mm]	2'2" [660mm]	2'10" [865mm]	1'4" [405mm]	SURFACE*

- MATERIAL: POWDER-COATED STEEL
- OPTIONS: POWDER-COATING COLOR
- SUGGESTIONS: SPECIFY MATCHING LITTER CONTAINER 2811, 2814, 2815, 1816, OR 2817 AND ASH RECEPTACLE 2812
- NOTES:
- FOR PERMANENT OR MOVEABLE APPLICATIONS ONLY (ANCHOR BOLTS BY OTHERS)
  - 1 INCLUDES TWO INTERMEDIATE FRAMES WITH ARMREST
  - 2 INCLUDES THREE INTERMEDIATE FRAMES WITH ARMREST
  - 3 INCLUDES FOUR INTERMEDIATE FRAMES WITH ARMREST

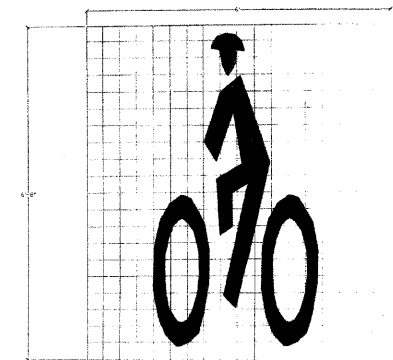


SITE FURNISHINGS - ALL STEEL BENCH TYPE 1  
TIMBERFORM RENAISSANCE MODEL #2808-8 OR MODEL 93 BY DUMOR, INC

TIMBERFORM STEEL BENCH (MODEL 2808-8) FROM COLUMBIA CASCADE CO.  
OR DUMOR STEEL BENCH (MODEL #93) FROM NUTOYS



NOTE: GRIDS FOR REFERENCE ONLY (DO NOT PAINT). 4" x 4" GRID.



NOTE: GRIDS FOR REFERENCE ONLY (DO NOT PAINT). 4" x 4" GRID.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CHICAGO PARK DISTRICT - JACKSON PARK  
MARQUETTE DRIVE BICYCLE PATH

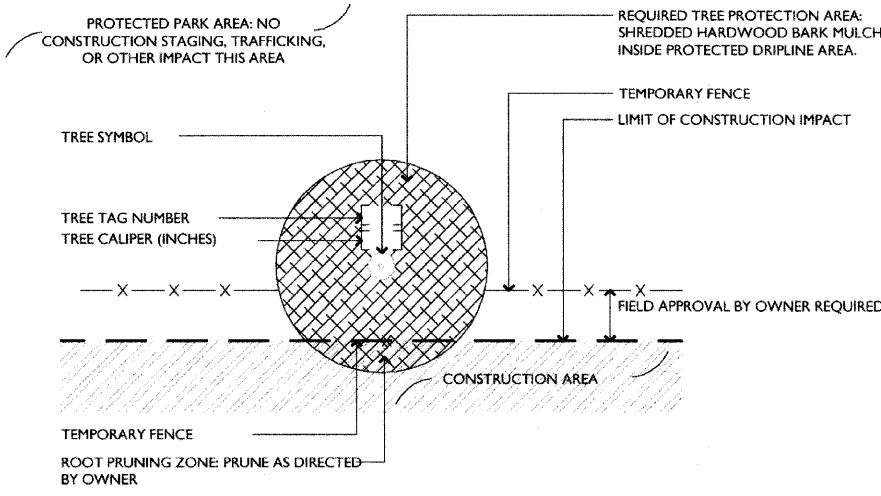
SCALE: 1" = 20'

DATE: 10/20/2009

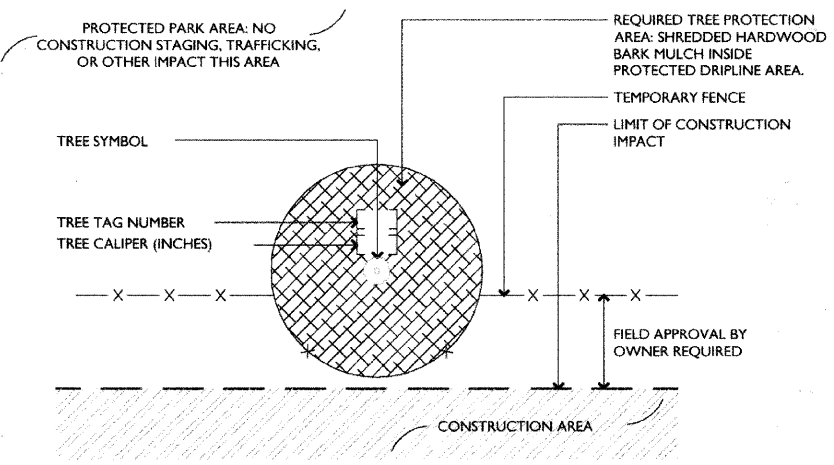
DRAWN BY: MJP  
CHECKED BY: TB



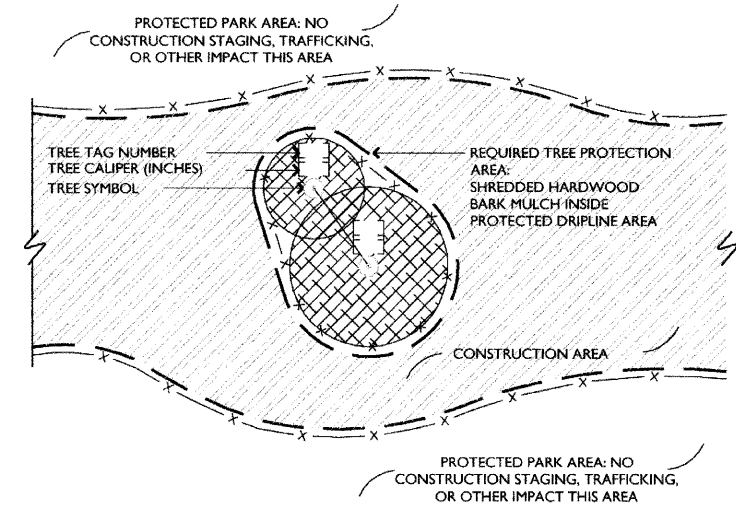
CHICAGO PARK DISTRICT  
541 North Fairbanks  
Chicago, Illinois 60611



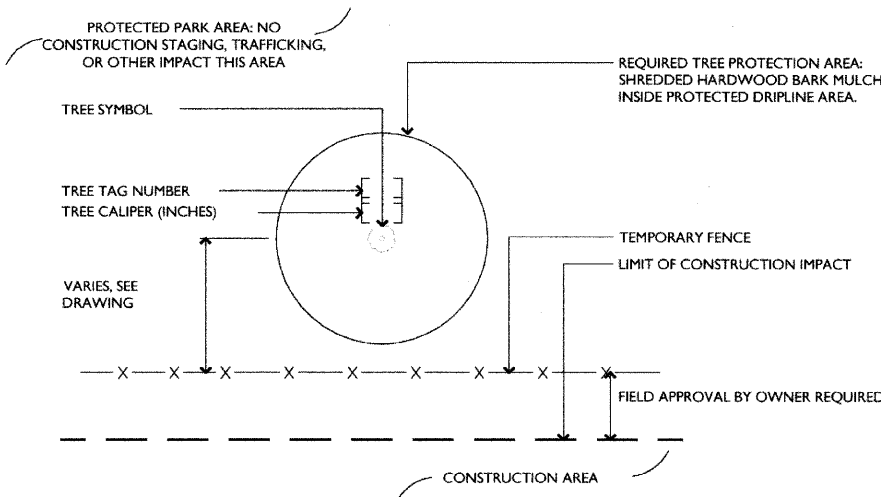
**1** TEMPORARY FENCE INTERSECTS TREE DRIPLINE;  
ROOTPRUNING REQUIRED  
N.T.S.



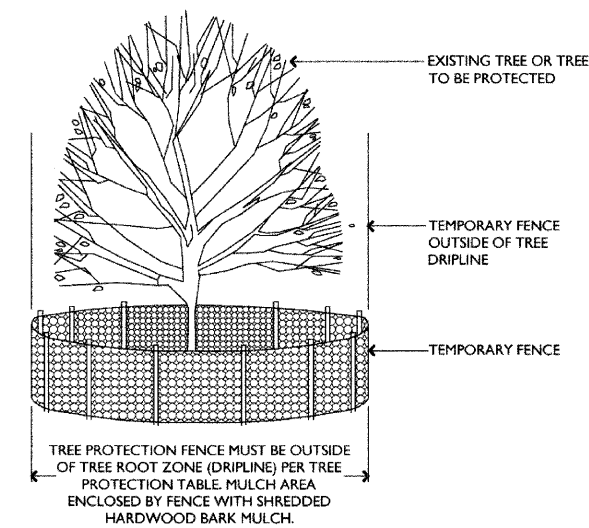
**4** TEMPORARY FENCE INTERSECTS TREE DRIPLINE;  
NO ROOTPRUNING REQUIRED  
N.T.S.



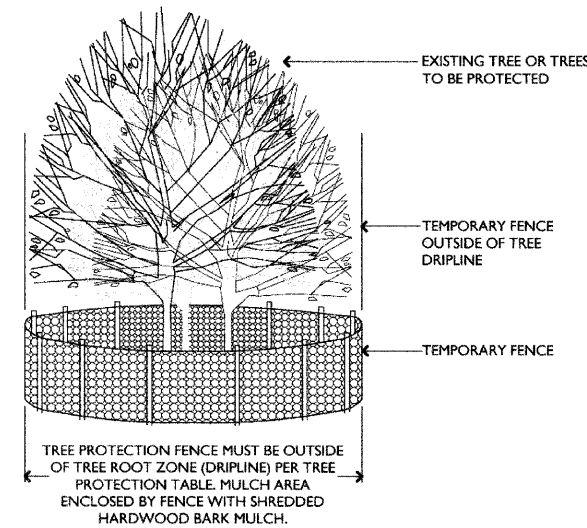
**7** TEMPORARY FENCE PROTECTING TREES ENTIRELY WITHIN  
CONSTRUCTION AREA  
N.T.S.



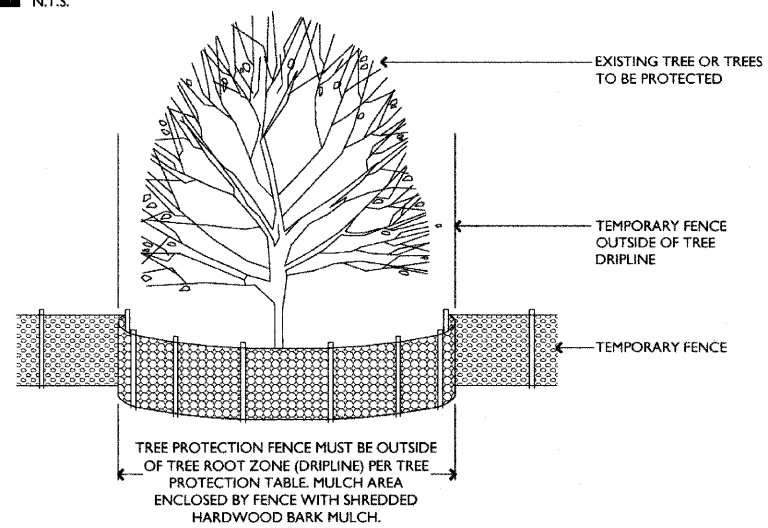
**2** TYPICAL TEMPORARY FENCE FOR TREE AND PARK  
PROTECTION  
N.T.S.



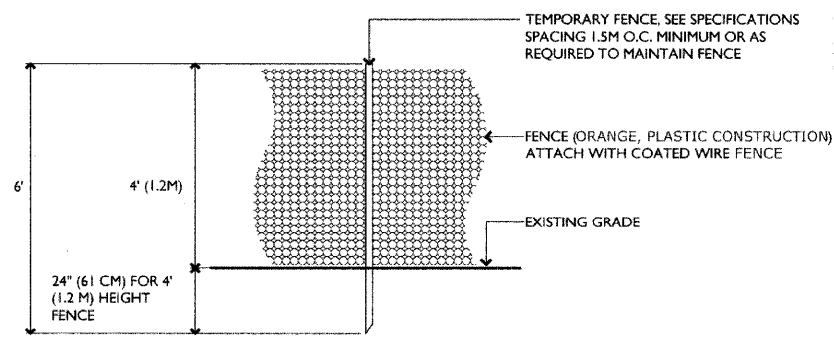
**5** TYPICAL TREE PROTECTION FENCE ENTIRELY WITHIN  
CONSTRUCTION AREA  
N.T.S.



**8** TYPICAL GROUP TREE PROTECTION ENTIRELY WITHIN  
CONSTRUCTION AREA  
N.T.S.



**3** TEMPORARY FENCE INTERSECTS TREE DRIPLINE;  
NO ROOTPRUNING REQUIRED  
N.T.S.



**6** TYPICAL TREE PROTECTION FENCE  
N.T.S.

TREE PROTECTION	MEASURED TREE CALIPER	RADIUS OF TREE PROTECTION FENCE AT EDGE OF DRIPLINE	MULCH RADIUS UNDER ENTIRE DRIPLINE
PROTECTED PARK AREA	VARIES	NONE, TREE PROTECTED BY TEMPORARY FENCE AT PROTECTION LIMITS	NONE
TREE WITH THE DRIPLINE INTERSECTING THE TEMPORARY FENCE	0 CM-20.3 CM (0'-8")	MINIMUM 2.44M (8') OR AS APPROVED BY COMMISSIONER	YES
TREE WITH THE DRIPLINE INTERSECTING THE TEMPORARY FENCE	>20.3 CM-63.5 CM (>8'-25")	0.3048M (1') RADIUS FENCE FOR EACH 2.54CM (1") CALIPER OR AS APPROVED BY COMMISSIONER	YES
TREE WITH THE DRIPLINE INTERSECTING THE TEMPORARY FENCE	>63.5 CM (>25")	MINIMUM 2.44M (8') OR AS APPROVED BY COMMISSIONER	YES
TREE WITH THE DRIPLINE INTERSECTING THE TEMPORARY FENCE, ROOTPRUNED	0 CM-20.3 CM (0'-8")	MINIMUM 2.44M (8') OR AS APPROVED BY COMMISSIONER	YES
TREE WITH THE DRIPLINE INTERSECTING THE TEMPORARY FENCE, ROOTPRUNED	>20.3 CM-63.5 CM (>8'-25")	0.3048M (1') RADIUS FENCE FOR EACH 2.54CM (1") CALIPER OR AS APPROVED BY COMMISSIONER	YES
TREE WITH THE DRIPLINE INTERSECTING THE TEMPORARY FENCE, ROOTPRUNED	>63.5 CM (>25")	MINIMUM 2.44M (8') OR AS APPROVED BY COMMISSIONER	YES
TREE TO BE RELOCATED	0 CM-20.3 CM (0'-8")	NONE, TREE PROTECTED BY TEMPORARY FENCE AT PROTECTION LIMITS	YES, IF PROTECTED
TREE TO BE REMOVED	NONE	TREES MUST BE REMOVED PRIOR TO START OF CONSTRUCTION	NONE

**9** TREE PROTECTION NOTES AND TABLE  
N.T.S.

PROJECT MANAGER  
PROJECT MANAGER  
CONTRACTOR OF RECORD

PROJ. MGR.:  
DESIGNER:  
DRAWN:  
CHECKED:  
SCALE: AS NOTED  
DATE:  
SPEC. NO.:

JOB NO.:

SHEET INFORMATION

CPD STANDARD DRAWING  
TREE PROTECTION DETAIL

PARK NO./PROJECT NO.  
CPD STANDARD DRAWING  
ST-872 -L1

DRAWING NO.  
© CHICAGO PARK DISTRICT

