

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**ADDISON CREEK TRAIL BIKE PATH  
WHITEHALL AVENUE TO GOLFVIEW DRIVE AND  
RHODES AVENUE TO FULLERTON AVENUE**

**BIKE PATH  
SECTION NO.: 13-00084-00-BT  
PROJECT NO.: M-4003(403)  
CITY OF NORTHLAKE  
COOK COUNTY  
JOB NO.: C-91-073-15**

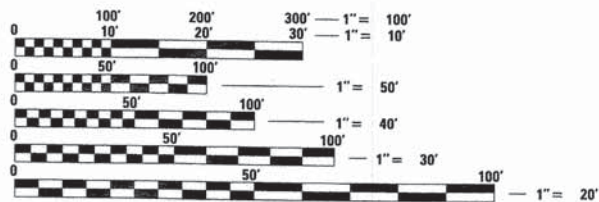
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	13-00084-00-BT	COOK	52	1
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61A85

INDEX OF SHEETS

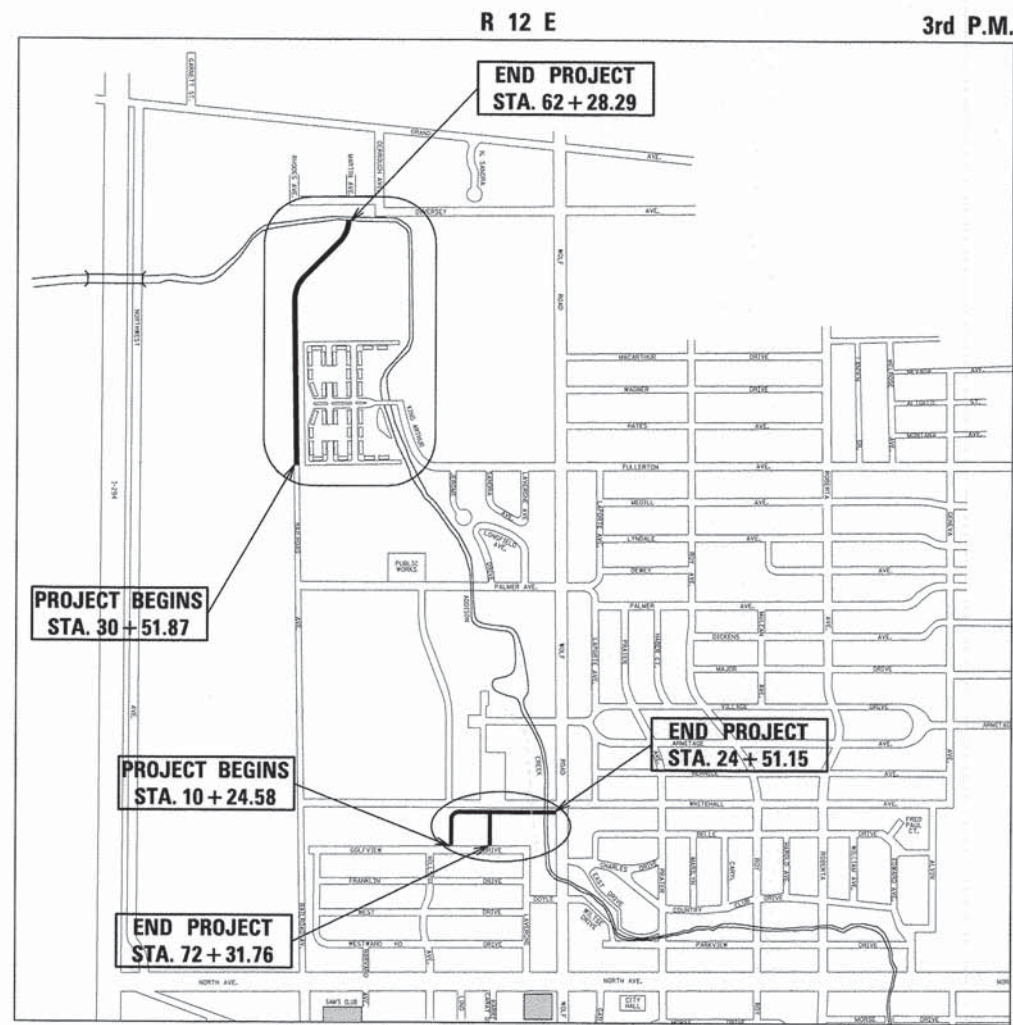
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS AND EARTHWORK SCHEDULE
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8-10	PLAN AND PROFILE - GRANT PARK
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18-23	LIGHTING PLAN
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TRAFFIC DATA  
CLASSIFICATION - BIKE PATH  
ADT (2014) = N / A  
SPEED LIMIT = N / A



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

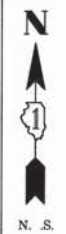


LOCATION MAP - LEYDEN TOWNSHIP

GROSS LENGTH OF PROJECT = 4,839 LINEAL FEET (0.92 MI.)  
NET LENGTH OF PROJECT = 4,839 LINEAL FEET (0.92 MI.)



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



October 8, 2014  
Andrew M. Pufundt  
ANDREW M. PUFUNDT  
ILLINOIS REGISTRATION No. 062-061729  
EXPIRATION DATE: 11/30/15



OCTOBER 8, 2014  
Anthony J. Dericco  
ANTHONY J. DERICCO  
ILLINOIS REGISTRATION No. 062-057484  
EXPIRATION DATE: 11/30/15

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED 10-13-2014  
[Signature]  
MAYOR  
CITY OF NORTHLAKE

APPROVED 10-9-2014  
[Signature]  
EXECUTIVE DIRECTOR  
VETERANS PARK DISTRICT

PASSED November 7, 2014  
[Signature]  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW November 10, 2014  
[Signature]  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION ONE ENGINEER

CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

FEDERAL AID ENGINEER: FAWAD ADQUEL, P.E. (847) 705-4021, SCHAUMBURG, IL

**GENERAL NOTES**

**SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS**

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2014; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND GOVERNMENT AGENCY REGULATIONS AND RULES; AUTHORITIES HAVING JURISDICTION; OSHA REGULATIONS AND RULES; AND ANY APPLICABLE RULES AND REGULATIONS OF THE STATE OF ILLINOIS OR COOK COUNTY AGENCIES. FURTHERMORE, AND AS RELATED TO THE WORK, THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON THE SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

**UTILITIES**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

**STAKING**

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

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED, AND SHALL BE AS INDICATED ON THE PLANS. ELEVATIONS SHOWN AT POINT OF CURVE, ETC. IS EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

**WATER, STORM SEWER AND SANITARY SEWER**

WHENEVER DURING CONSTRUCTION OPERATIONS 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 AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE COMPLETED PER ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE CITY WATER DEPARTMENT. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

COST TO CONNECT EXISTING OR PROPOSED STORM SEWER TO EXISTING OR PROPOSED DRAINAGE STRUCTURE SHALL BE INCLUDED IN THE COST FOR STORM SEWER.

**GENERAL NOTES**

1. THE CITY OF NORTHLAKE AND ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR IN WRITING AT LEAST (3) FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR EXISTING UTILITIES IN CONFORMANCE WITH THE AFFECTED UTILITY COMPANIES' REQUIREMENTS AS MAY BE REQUIRED TO PERFORM THE WORK OF THIS CONTRACT.
3. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LINE AND GRADES SHOWN ON THE CONTRACT DRAWINGS. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE ENGINEER PRIOR TO PERFORMING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK AS REQUIRED.
4. THE CONTRACT DOCUMENTS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DOCUMENTS, AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ADDITIONAL WORK TO BE CALLED FOR BY THESE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CONTRACT DOCUMENTS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN ACCORDANCE WITH ARTICLE 109.04.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRISE HIMSELF/HERSELF OF ALL CONDITIONS. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR INDIVIDUAL PAY ITEMS WILL BE RECOGNIZED DUE TO THE CONTRACTOR'S FAILURE TO UNDERSTAND THE SCOPE OF WORK.
6. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
7. CERTAIN INFORMATION SHOWN ON THESE DRAWINGS HAS BEEN OBTAINED FROM DRAWINGS OF RECORD. CONTRACTOR SHALL VERIFY SUCH INFORMATION PRIOR TO ACTUAL START OF WORK. WHERE DISCREPANCIES ARE DISCOVERED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. FAILURE BY THE CONTRACTOR TO IMMEDIATELY NOTIFY THE ENGINEER OF SUCH DISCREPANCIES SHALL RESULT IN THE CONTRACTOR BEARING THE FULL BURDEN OF ALL RISKS/COSTS ATTRIBUTED TO THE DISCOVERED DISCREPANCY.
8. SOIL EROSION PROTECTION SHALL BE IN ACCORDANCE WITH IEPA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. ALL DISTURBED AREAS (NOT IMPERVIOUS IN NATURE) SHALL BE FINE GRADED, TOPSOIL RESTORED (MIN 6 INCHES) AND SEED/MULCH APPLIED UNLESS OTHERWISE SPECIFIED ON THE PLANS.

**MISCELLANEOUS**

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE INCLUDED TO REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". STOP SIGNS, SPEED LIMIT SIGNS, AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES. THIS WORK SHALL BE PERFORMED PER ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 5 FEET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER.

ANY DEFACED WORK SHALL BE CORRECTED OR REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE PRIOR TO FINAL PAYMENT. THE CITY WILL COOPERATE WITH THE CONTRACTOR TO MINIMIZE VANDALISM, BUT THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE TO CORRECT ANY DAMAGE PER CONDITIONS OF ARTICLE 107.30 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION / DIRECTION AND MEANS / METHODS OF CONSTRUCTION.

**COMMONWEALTH EDISON PROPERTY**

NO VEHICLES, EQUIPMENT OR ANYTHING ELSE (INCLUDING, BUT NOT LIMITED TO, ANY EQUIPMENT ATTACHED TO VEHICLES OR EQUIPMENT SUCH AS ANTENNAS, AND/OR ANY TREES, SHRUBS OR OTHER PLANS OR VEGETATION PLANTED OR INSTALLED ON PROPERTY) HAVING A HEIGHT WHICH EXCEEDS THE MAXIMUM ALLOWABLE HEIGHT UNDER OSHA'S HEIGHT STANDARDS SHALL BE DRIVEN, MOVED OR TRANSPORTED ON PROPERTY WITHOUT PROPERTY OWNER'S WRITTEN CONSENT.

NO ACTIVITIES WILL BE PERMITTED WHICH COULD RESULT IN A WIRE TO GROUND ELECTRICAL CONTACT OR DAMAGE TO TOWERS OR POLES.

NO PAVING OR GRADING WORK (OR SIMILAR WORK) OF ANY KIND WILL BE UNDERTAKEN WITHIN A TEN (10) FOOT RADIUS OF ANY TOWER LEG (OR SIMILAR EQUIPMENT, IMPROVEMENT OR FACILITY) OF COMED.

NOTIFICATION SHALL BE GIVEN TO COMED AT LEAST SEVENTY TWO (72) HOURS PRIOR TO THE COMMENCEMENT OF ANY ACTIVITY ON COMED PROPERTY. TELEPHONE NUMBER IS 866-340-2841.

CONTRACTOR TO PROVIDE INSURANCE CERTIFICATE TO MEET REQUIREMENTS OF COMED PRIOR TO BEGINNING ANY ACTIVITIES ONSITE.

**DISTRICT ONE STANDARDS**

- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

**HIGHWAY STANDARDS**

- 00001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 542401-01 METAL END SECTION FOR PIPE CULVERTS
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 664001-02 CHAIN LINK FENCE
- 701006-05 OFF-RD OPERATIONS. 2L, 2W, 15' (4.5M) TO 24' (600MM) FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 729001-01 APPLICATIONS OF TYPES A&B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-05 TYPICAL PAVEMENT MARKINGS

DATE	BY	DATE	BY
PROFILE	DATE	BY	DATE
NOTE BOOK NO.			
STRUCTURE NOTATIONS			
DATE	BY	DATE	BY
PLAN	DATE	BY	DATE
NOTE BOOK NO.			
STRUCTURE NOTATIONS			
DATE	BY	DATE	BY
SURVEYED	DATE	BY	DATE
PLotted			
Checked			
DATE	BY	DATE	BY

**CHRISTOPHER B. BURKE**  
ENGINEERING LTD.  
5675 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500



FILE NAME =	USER NAME = esidorczuk	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND HIGHWAY STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\NORTHLAKE\9408320C131\Civil\NOT_9408320C131_01.dwg		DRAWN - MAK	REVISED -			-	13-00084-00-BT	COOK	52	2	
PLOT SCALE = 1"		CHECKED - MEW	REVISED -			CONTRACT NO. 61A85					
PLOT DATE = 10/18/2014		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO
						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

**SUMMARY OF QUANTITIES**

SUMMARY OF QUANTITIES				STP
CODE NO.	ITEM	UNIT	0028	TOTAL QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.15	
20101100	TREE TRUNK PROTECTION	EACH	4	
20101200	TREE ROOT PRUNING	EACH	37	
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	60	
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	40	
20800150	TRENCH BACKFILL	CU YD	12	
21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1165	
* 25000100	SEEDING, CLASS 1	ACRE	2.5	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	225	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225	
* 25100125	MULCH, METHOD 3	ACRE	2.5	
* 25200200	SUPPLEMENTAL WATERING	UNIT	75	
28000400	PERIMETER EROSION BARRIER	FOOT	9950	
28000510	INLET FILTERS	EACH	2	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	385	
35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ YD	6025	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	13110	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1050	
44000100	PAVEMENT REMOVAL	SQ YD	500	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	25	
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	50	
542C0213	PIPE CULVERTS, CLASS C, TYPE 1 8"	FOOT	22	
54215543	METAL END SECTIONS 8"	EACH	2	
54215550	METAL END SECTIONS 15"	EACH	2	
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	
60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	2	
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	25	
* 63200310	GUARDRAIL REMOVAL	FOOT	10	
* 66400305	CHAIN LINK FENCE, 6'	FOOT	50	

SUMMARY OF QUANTITIES				STP
CODE NO.	ITEM	UNIT	0028	TOTAL QUANTITY
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3295	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	
67100100	MOBILIZATION	L SUM	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	
72000100	SIGN PANEL - TYPE 1	SQ FT	3	
72900100	METAL POST - TYPE A	FOOT	13	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	45	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	32	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	6	
* 80400100	ELECTIC SERVICE INSTALLATION	EACH	1	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	40	
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	75	
* 81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	1950	
* 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	9650	
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	13	
* 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	35930	
* 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	150	
* 82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 100 AMP	EACH	1	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	366	
* C2012460	SHRUB, VIBURNUM LENTAGO (NANNYBERRY VIBURNUM), 5' HEIGHT, BALLED AND BURLAPPED	EACH	5	
* X0324390	FLOOD LIGHTING UNIT	EACH	2	
* X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	61	
* X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	620	
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	196	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
Z0022800	FENCE REMOVAL	FOOT	300	
* Z0033028	MAINTAIN EXISTING LIGHTING SYSTEM	CAL MO	2	

~ INDICATES SPECIAL PROVISION  
\* INDICATES SPECIALTY ITEM

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_  
**CHRISTOPHER B. BURKE**  
 ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 822-0900  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_

FILE NAME =	USER NAME = esidorczuk	DESIGNED - AMP	REVISED -
N:\NORTH LAKE\940832DC131\CV1\1\QDA_940832dc131_01.sht		DRAWN - MAK	REVISED -
		CHECKED - MEW	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

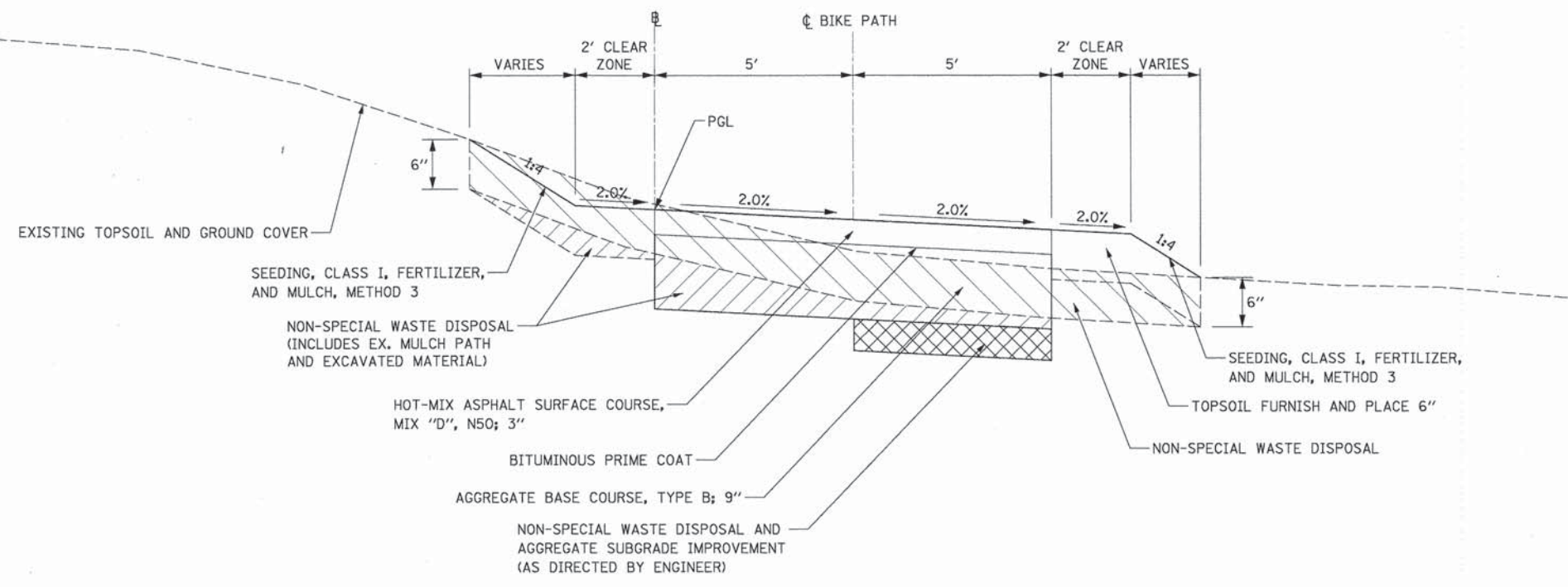
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	3
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NOTE BOOK: \_\_\_\_\_  
 ENGINEERING LTD. 8575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018 (847) 822-0500  
 CHRISTOPHER B. BURKE  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 PROF. FILE: \_\_\_\_\_ NOTE BOOK: \_\_\_\_\_  
 STRUCTURE: NOTATYS CRD

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.  
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
 FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.  
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



- TYPICAL SECTION NOTES:**
1. THE BIKE PATH AND CLEAR ZONE MAXIMUM CROSS SLOPE IS 2%. SEE CROSS SECTIONS FOR DIRECTION OF SLOPE.
  2. EMBANKMENT IS INCLUDED IN THE COST OF NON-SPECIAL WASTE DISPOSAL.
  3. STOCKPILING LOCATIONS WILL BE DETERMINED IN THE FIELD DURING CONSTRUCTION.

**PROPOSED TYPICAL SECTION  
BIKE PATH**

**GRANT PARK EARTHWORK SCHEDULES**

STATION	CUT (SQ FT)	FILL (SQ FT)	PROPOSED TOPSOIL (SQ FT)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE)			
				EXCAVATION (CU YD)	EMBANKMENT (CU YD)	NON-SPECIAL WASTE DISPOSAL (CU YD)	TOPSOIL FURNISH AND PLACE, 6" (CU YD)
<b>TOTALS</b>				1194.6	5.7	1188.9	233.8
<b>GRANT PARK</b>							
10+24.67	14.3	0.0	2.0	0.0	0.0	0.0	0.0
10+50.00	28.6	0.0	4.0	20.1	0.0	20.1	3.2
11+00.00	28.6	0.0	5.0	51.4	0.0	51.4	9.1
11+50.00	18.7	0.0	3.0	42.2	0.0	42.2	7.4
12+00.00	17.0	0.0	3.0	33.1	0.0	33.1	5.6
12+50.00	16.5	0.0	2.5	31.0	0.0	31.0	5.1
13+00.00	10.5	0.0	2.8	25.0	0.0	25.0	4.9
13+50.00	23.3	0.0	2.5	31.3	0.0	31.3	4.9
14+00.00	22.2	0.0	2.3	42.1	0.0	42.1	4.4
14+50.00	27.9	0.0	3.8	46.4	0.0	46.4	5.6
15+00.00	22.8	0.0	8.3	46.9	0.0	46.9	11.2
15+50.00	40.2	0.0	4.8	58.3	0.0	58.3	12.1
16+00.00	20.0	0.0	2.5	55.7	0.0	55.7	6.8
16+50.00	32.1	0.0	5.0	48.2	0.0	48.2	6.9
17+00.00	16.2	1.4	5.5	44.7	1.3	43.4	9.7
17+50.00	24.6	0.0	2.3	37.9	1.3	36.5	7.2
17+82.23	25.8	0.0	3.0	17.9	0.0	17.9	1.9
18+17.65	13.4	0.0	2.5	35.1	0.0	35.1	4.9
18+50.00	13.2	0.0	3.8	15.9	0.0	15.9	3.8
19+00.00	15.3	0.0	4.0	26.4	0.0	26.4	7.2
19+50.00	14.7	0.0	3.0	27.8	0.0	27.8	6.5
20+00.00	12.9	0.0	2.3	25.6	0.0	25.6	4.9
20+50.00	31.4	0.0	8.5	41.0	0.0	41.0	8.1
20+70.00	53.8	0.1	9.5	31.8	0.0	31.5	5.9
20+80.00	42.1	0.1	9.8	17.8	0.0	17.7	3.6
21+00.00	28.8	0.0	9.5	28.2	0.0	28.1	7.1
21+13.72	13.1	0.1	2.3	10.6	0.0	10.6	3.0
21+50.00	11.3	0.0	2.5	16.4	0.1	16.3	3.2
22+00.00	10.8	0.0	3.0	20.5	0.0	20.5	5.1
22+50.00	8.9	0.0	2.8	18.1	0.0	18.1	5.4
23+00.00	26.4	0.0	7.0	32.8	0.0	32.6	9.1
23+40.00	22.1	0.0	6.0	35.9	0.0	35.9	9.6
23+50.00	11.2	0.3	2.8	6.2	0.1	6.1	1.6
23+82.07	20.9	0.4	7.3	19.1	0.4	18.6	6.0
24+00.00	50.2	0.0	7.0	23.6	0.1	23.5	4.7
24+15.08	121.3	0.0	11.0	47.9	0.0	47.9	11.2
24+50.00	8.7	3.5	11.0	84.1	2.3	81.8	16.7

**GRANT PARK (SIDE) EARTHWORK SCHEDULES**

STATION	CUT (SQ FT)	FILL (SQ FT)	PROPOSED TOPSOIL (SQ FT)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE)			
				EXCAVATION (CU YD)	EMBANKMENT (CU YD)	NON-SPECIAL WASTE DISPOSAL (CU YD)	TOPSOIL FURNISH AND PLACE, 6" (CU YD)
<b>TOTALS</b>				103.0	0.7	102.2	30.6
<b>GRANT PARK (SIDE)</b>							
70+25.00	13.4	0.0	2.8	0.0	0.0	0.0	0.0
70+50.00	13.6	0.0	3.0	12.5	0.0	12.5	2.7
71+00.00	6.0	0.3	3.5	18.1	0.3	17.9	6.0
71+50.00	18.9	0.1	6.3	23.1	0.4	22.7	9.1
72+00.00	16.0	0.0	4.0	32.3	0.1	32.2	9.5
72+23.83	22.4	0.0	3.5	16.9	0.0	16.9	3.3

**KING ARTHUR EARTHWORK SCHEDULES**

STATION	CUT (SQ FT)	FILL (SQ FT)	PROPOSED TOPSOIL (SQ FT)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE)			
				EXCAVATION (CU YD)	EMBANKMENT (CU YD)	NON-SPECIAL WASTE DISPOSAL (CU YD)	TOPSOIL FURNISH AND PLACE, 6" (CU YD)
<b>TOTALS</b>				1725.5	112.8	1612.7	352.4
<b>KING ARTHUR</b>							
42+00.00	12.8	0.0	2.5	26.1	0.0	26.1	4.8
42+50.00	9.4	0.0	3.0	20.8	0.0	20.8	5.1
43+00.00	10.4	0.0	2.3	18.3	0.0	18.3	4.9
43+50.00	12.0	0.0	2.0	20.7	0.0	20.7	4.0
44+00.00	52.4	0.0	8.5	59.6	0.0	59.6	9.7
44+36.50	63.6	0.1	8.8	78.4	0.1	78.3	11.7
44+50.00	46.2	0.0	7.8	27.5	0.0	27.4	4.2
45+00.00	28.7	0.0	5.6	69.4	0.0	69.4	12.4
45+50.00	16.3	0.0	3.0	41.7	0.0	41.7	8.0
46+00.00	8.4	0.0	3.4	22.9	0.0	22.9	5.9
46+50.00	13.3	0.0	2.5	20.1	0.0	20.1	5.5
47+00.00	15.0	0.0	3.0	26.2	0.0	26.2	5.1
47+50.00	11.0	0.0	2.5	24.1	0.0	24.1	5.1
48+00.00	12.8	0.0	2.3	22.0	0.0	22.0	4.4
48+50.00	11.7	0.0	2.0	22.7	0.0	22.7	4.0
49+00.00	8.2	0.0	3.0	18.4	0.0	18.4	4.8
49+50.00	10.9	0.0	2.3	17.7	0.0	17.7	4.9
50+00.00	16.4	0.0	3.0	25.3	0.0	25.3	4.9
50+50.00	11.7	0.0	2.3	26.0	0.0	26.0	4.9
51+00.00	12.7	0.0	2.3	22.6	0.0	22.6	4.3
51+50.00	27.4	0.0	5.0	37.1	0.0	37.1	6.8
52+00.00	15.6	0.0	3.0	39.8	0.0	39.8	7.4
52+50.00	13.6	0.0	2.5	27.0	0.0	27.0	5.1
53+00.00	12.3	0.0	2.0	24.0	0.0	24.0	4.2
53+50.00	15.4	0.0	3.0	25.6	0.0	25.6	4.8
54+00.00	12.6	0.0	2.0	25.9	0.0	25.9	4.6
54+50.00	13.2	0.0	2.3	23.9	0.0	23.9	4.0
55+00.00	10.9	0.0	2.3	22.3	0.0	22.3	4.3
55+50.00	12.7	0.0	2.5	21.9	0.0	21.9	4.4
56+00.00	12.4	0.0	2.0	23.2	0.0	23.2	4.3
56+50.00	14.4	0.0	2.0	24.8	0.0	24.8	3.7
57+00.00	12.0	0.0	2.3	24.4	0.0	24.4	4.0
57+50.00	11.7	0.0	2.0	21.9	0.0	21.9	4.0
58+00.00	15.0	0.0	2.5	24.7	0.0	24.7	4.2
58+50.00	11.9	0.0	2.3	24.9	0.0	24.9	4.4
59+00.00	13.3	0.0	2.3	23.3	0.0	23.3	4.3
59+50.00	12.8	0.0	2.3	24.2	0.0	24.2	4.3
60+00.00	13.5	0.0	2.5	24.4	0.0	24.4	4.4
60+50.00	15.1	0.0	2.5	26.5	0.0	26.5	4.8
61+00.00	13.9	0.0	2.3	26.9	0.0	26.9	4.4
61+50.00	15.2	0.0	3.6	26.9	0.0	26.9	5.5
62+00.00	11.7	0.0	2.3	24.9	0.0	24.9	5.5
62+28.29	14.6	0.0	3.0	13.8	0.0	13.8	2.8

**KING ARTHUR EARTHWORK SCHEDULES**

STATION	CUT (SQ FT)	FILL (SQ FT)	PROPOSED TOPSOIL (SQ FT)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE)			
				EXCAVATION (CU YD)	EMBANKMENT (CU YD)	NON-SPECIAL WASTE DISPOSAL (CU YD)	TOPSOIL FURNISH AND PLACE, 6" (CU YD)
<b>TOTALS</b>				1725.5	112.8	1612.7	352.4
<b>KING ARTHUR</b>							
30+52.42	11.8	0.0	2.5	0.0	0.0	0.0	0.0
31+00.00	8.6	0.1	3.3	18.0	0.1	17.9	5.1
31+50.00	11.2	0.0	2.5	18.3	0.1	18.2	5.4
32+00.00	10.8	0.0	2.9	21.3	0.0	21.3	4.8
32+50.00	11.1	0.0	2.5	21.2	0.0	21.2	4.8
33+00.00	10.9	0.0	2.5	20.4	0.0	20.4	4.6
33+50.00	12.5	0.0	2.3	21.7	0.0	21.7	4.4
34+00.00	13.5	0.0	2.5	24.1	0.0	24.1	4.4
34+50.00	11.5	0.0	2.1	23.1	0.0	23.1	4.3
35+00.00	12.0	0.0	2.0	21.8	0.0	21.8	3.8
35+50.00	10.3	0.0	3.0	20.6	0.0	20.6	4.6
36+00.00	9.2	0.0	3.0	18.1	0.0	18.1	5.8
36+50.00	9.9	0.0	3.0	17.7	0.0	17.7	5.6
37+00.00	12.1	0.0	2.0	20.4	0.0	20.4	4.8
37+50.00	11.4	0.0	2.0	21.8	0.0	21.8	3.7
38+00.00	14.3	0.0	2.5	23.8	0.0	23.8	4.2
38+50.00	12.4	0.0	2.5	24.7	0.0	24.7	4.6
39+00.00	11.2	0.0	2.3	21.9	0.0	21.9	4.4
39+50.00	10.6	0.0	2.5	20.2	0.0	20.2	4.4
40+00.00	11.7	0.0	2.3	20.6	0.0	20.6	4.4
40+50.00	14.5	0.0	2.5	24.3	0.0	24.3	4.4
41+00.00	56.8	0.0	9.0	66.0	0.0	66.0	10.6
41+36.22	1.0	121.5	21.0	38.8	81.5	-42.7	20.1
41+50.00	15.4	0.0	2.5	4.2	31.0	-26.8	6.0

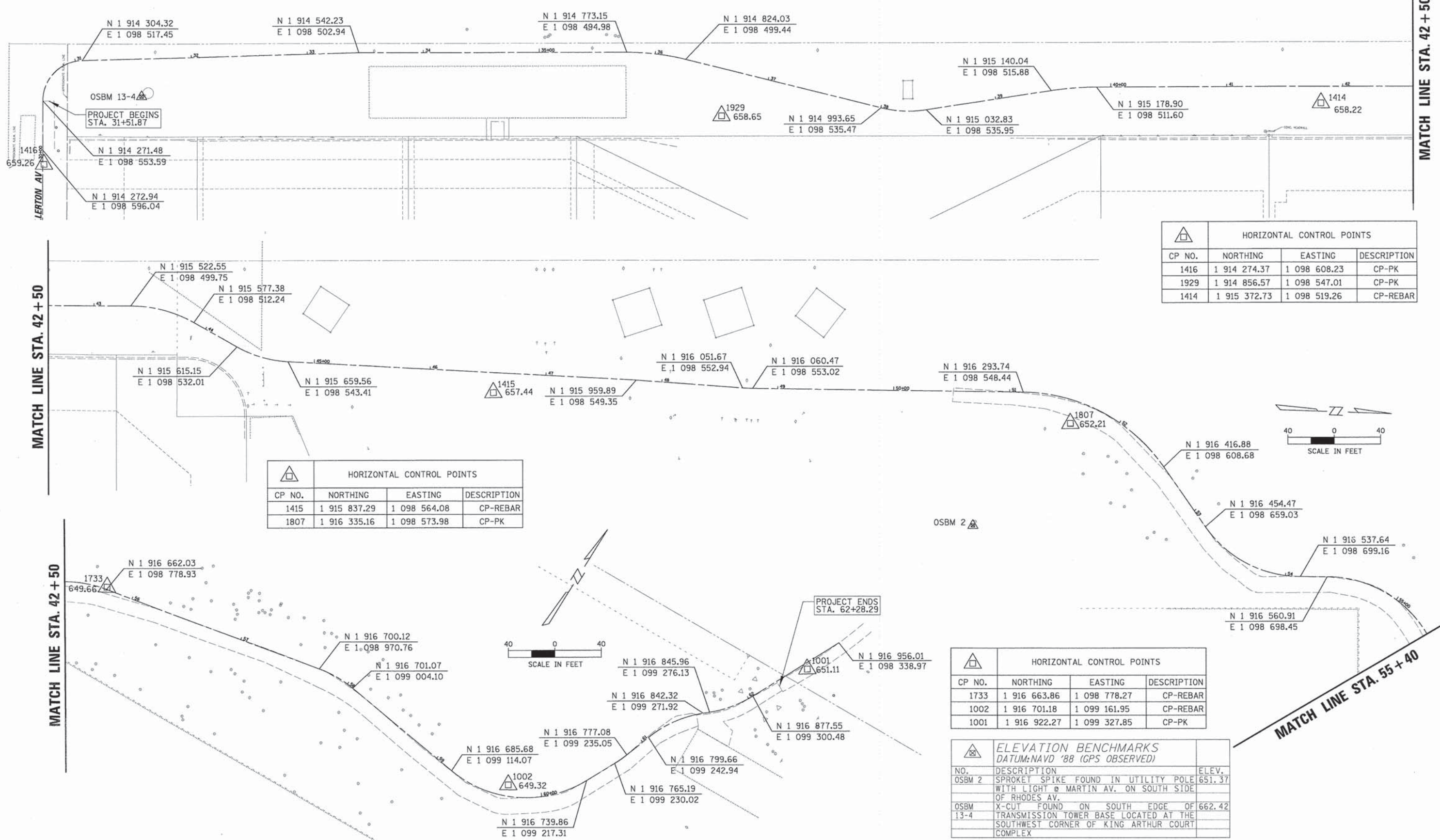
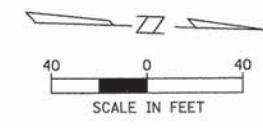
**EARTHWORK SUMMARY**

EARTHWORK SUMMARY	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE)			
	EXCAVATION (CU YD)	EMBANKMENT (CU YD)	NON-SPECIAL WASTE DISPOSAL (CU YD)	TOPSOIL FURNISH AND PLACE, 6" (CU YD)
<b>PROJECT TOTAL</b>				



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_  
 NO.: \_\_\_\_\_  
 STRUCTURE NOTATION: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_  
 NO.: \_\_\_\_\_  
 STRUCTURE NOTATION: \_\_\_\_\_

CHRISTOPHER B. BURKE  
 ENGINEERING LTD.  
 8575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 822-0900



HORIZONTAL CONTROL POINTS			
CP NO.	NORTHING	EASTING	DESCRIPTION
1416	1 914 274.37	1 098 608.23	CP-PK
1929	1 914 856.57	1 098 547.01	CP-PK
1414	1 915 372.73	1 098 519.26	CP-REBAR

HORIZONTAL CONTROL POINTS			
CP NO.	NORTHING	EASTING	DESCRIPTION
1415	1 915 837.29	1 098 564.08	CP-REBAR
1807	1 916 335.16	1 098 573.98	CP-PK

HORIZONTAL CONTROL POINTS			
CP NO.	NORTHING	EASTING	DESCRIPTION
1733	1 916 663.86	1 098 778.27	CP-REBAR
1002	1 916 701.18	1 099 161.95	CP-REBAR
1001	1 916 922.27	1 099 327.85	CP-PK

ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 2	SPROCKET SPIKE FOUND IN UTILITY POLE WITH LIGHT @ MARTIN AV. ON SOUTH SIDE OF RHODES AV.	651.37
OSBM 13-4	X-CUT FOUND ON SOUTH EDGE OF TRANSMISSION TOWER BASE LOCATED AT THE SOUTHWEST CORNER OF KING ARTHUR COURT COMPLEX	662.42

FILE NAME =	USER NAME = esidorczuk	DESIGNED - AMP	REVISED -
N:\NORTHLAKE\948032DC131\CVI\1\BNL_948032del131_02.sht		DRAWN - MAK	REVISED -
		CHECKED - MEW	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	6
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

MATCH LINE STA. 42 + 50

MATCH LINE STA. 42 + 50

MATCH LINE STA. 42 + 50

MATCH LINE STA. 55 + 40

DATE	BY	DATE
DATE	BY	DATE
DATE	BY	DATE

SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 B.M. NOTED \_\_\_\_\_  
 STRUCTURE NOTATION CHKD \_\_\_\_\_  
 NO. \_\_\_\_\_

PLAN \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

**CHRISTOPHER B. BURKE**  
 ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 822-0500

PROP. CURVE KING-1  
 PI STA. = 30+86.12  
 $\Delta = 88^\circ 29' 05''$  (RT)  
 D = 163' 42' 08"  
 R = 35.00'  
 T = 34.09'  
 L = 54.05'  
 E = 13.86'  
 P.C. STA = 30+52.04  
 P.T. STA = 31+06.09

PROP. CURVE KING-2  
 PI STA. = 36+01.22  
 $\Delta = 13^\circ 58' 14''$  (RT)  
 D = 27' 17' 01"  
 R = 210.00'  
 T = 25.73'  
 L = 51.20'  
 E = 1.57'  
 P.C. STA = 35+75.49  
 P.T. STA = 36+26.70

PROP. CURVE KING-3  
 PI STA. = 38+20.08  
 $\Delta = 22^\circ 35' 44''$  (LT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 19.98'  
 L = 39.44'  
 E = 1.98'  
 P.C. STA = 38+00.10  
 P.T. STA = 38+39.54

PROP. CURVE KING-4  
 PI STA. = 39+68.22  
 $\Delta = 8^\circ 37' 30''$  (RT)  
 D = 22' 02' 13"  
 R = 260.00'  
 T = 19.61'  
 L = 39.14'  
 E = 0.74'  
 P.C. STA = 39+48.61  
 P.T. STA = 39+87.75

PROP. CURVE KING-5  
 PI STA. = 43+60.69  
 $\Delta = 29^\circ 37' 09''$  (RT)  
 D = 52' 05' 13"  
 R = 110.00'  
 T = 29.08'  
 L = 56.86'  
 E = 3.78'  
 P.C. STA = 43+31.60  
 P.T. STA = 43+88.47

PROP. CURVE KING-6  
 PI STA. = 44+54.65  
 $\Delta = 26^\circ 30' 35''$  (LT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 23.56'  
 L = 46.27'  
 E = 2.74'  
 P.C. STA = 44+31.10  
 P.T. STA = 44+77.36

PROP. CURVE KING-7  
 PI STA. = 48+74.00  
 $\Delta = 3^\circ 21' 40''$  (LT)  
 D = 38' 11' 50"  
 R = 150.00'  
 T = 4.40'  
 L = 8.80'  
 E = 0.06'  
 P.C. STA = 48+69.60  
 P.T. STA = 48+78.40

PROP. CURVE KING-8  
 PI STA. = 51+88.77  
 $\Delta = 54^\circ 22' 55''$  (RT)  
 D = 38' 11' 50"  
 R = 150.00'  
 T = 77.06'  
 L = 142.37'  
 E = 18.64'  
 P.C. STA = 51+11.71  
 P.T. STA = 52+54.09

PROP. CURVE KING-9  
 PI STA. = 53+68.97  
 $\Delta = 54^\circ 59' 57''$  (LT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 52.06'  
 L = 95.99'  
 E = 12.74'  
 P.C. STA = 53+16.91  
 P.T. STA = 54+12.90

PROP. CURVE KING-10  
 PI STA. = 55+20.86  
 $\Delta = 80^\circ 30' 41''$  (RT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 84.67'  
 L = 140.52'  
 E = 31.03'  
 P.C. STA = 54+36.18  
 P.T. STA = 55+76.70

PROP. CURVE KING-11  
 PI STA. = 57+89.19  
 $\Delta = 19^\circ 11' 58''$  (RT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 16.91'  
 L = 33.51'  
 E = 1.42'  
 P.C. STA = 57+72.28  
 P.T. STA = 58+05.79

PROP. CURVE KING-12  
 PI STA. = 59+88.58  
 $\Delta = 71^\circ 19' 17''$  (LT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 71.75'  
 L = 124.48'  
 E = 23.08'  
 P.C. STA = 59+16.83  
 P.T. STA = 60+41.31

PROP. CURVE KING-13  
 PI STA. = 60+76.12  
 $\Delta = 7^\circ 23' 59''$  (LT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 6.47'  
 L = 12.91'  
 E = 0.21'  
 P.C. STA = 60+69.65  
 P.T. STA = 60+82.56

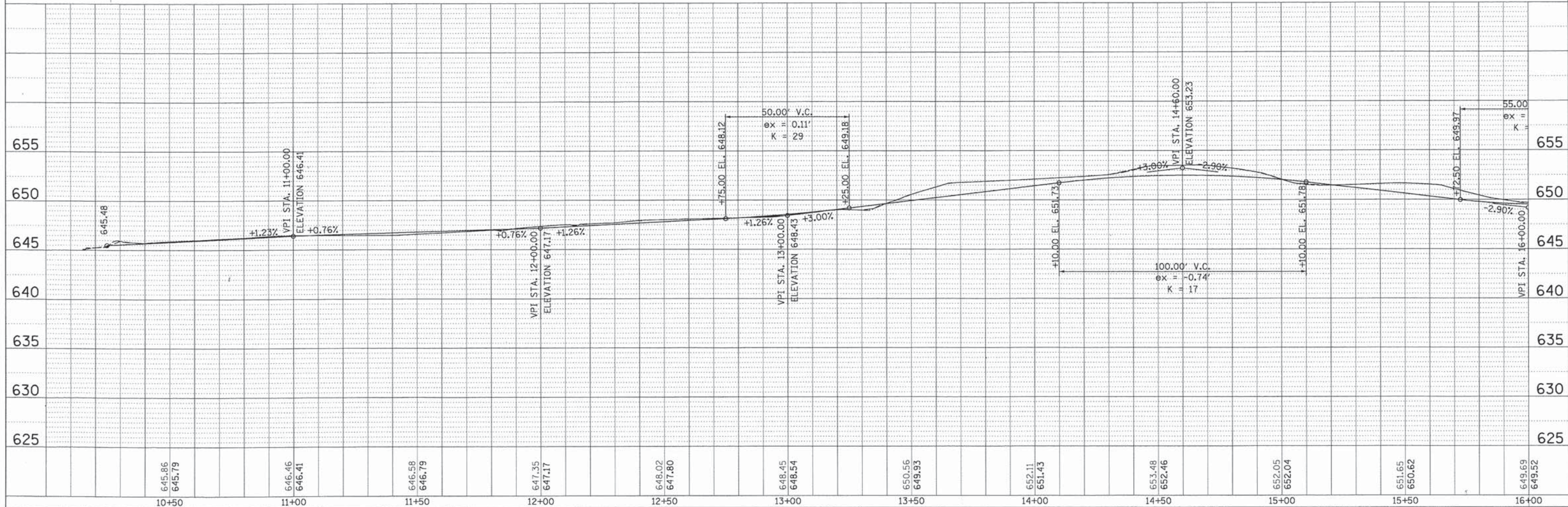
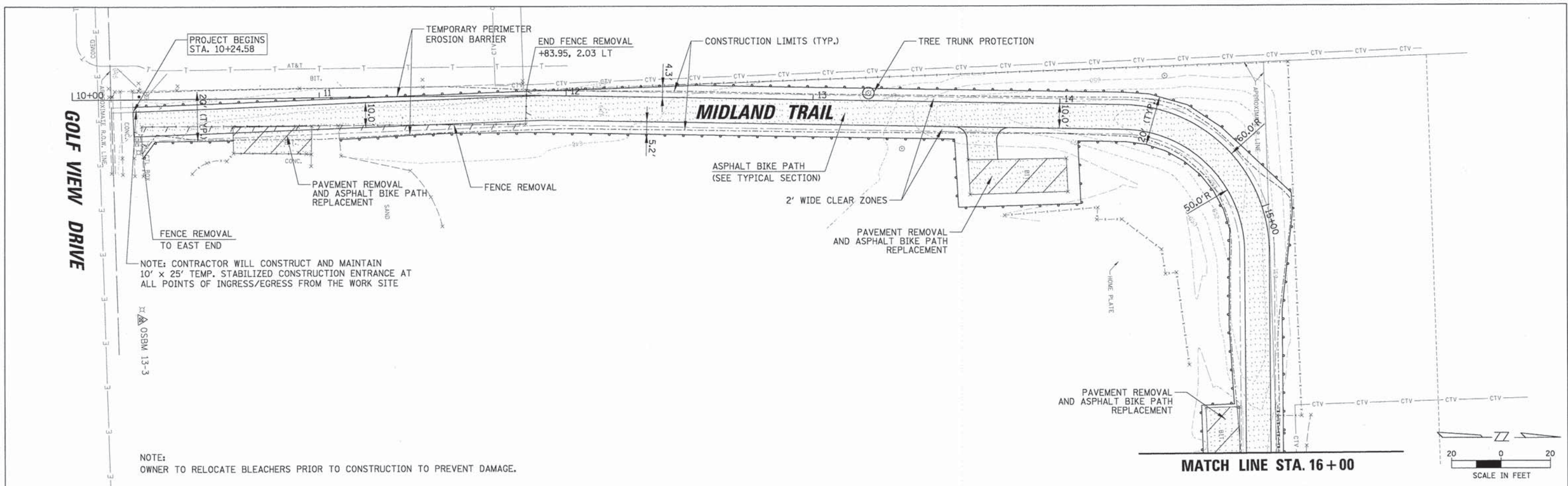
PROP. CURVE KING-14  
 PI STA. = 61+33.17  
 $\Delta = 29^\circ 53' 11''$  (RT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 26.69'  
 L = 52.16'  
 E = 3.50'  
 P.C. STA = 61+06.48  
 P.T. STA = 61+58.64

PROP. CURVE KING-15  
 PI STA. = 61+84.56  
 $\Delta = 23^\circ 00' 25''$  (LT)  
 D = 57' 17' 45"  
 R = 100.00'  
 T = 20.35'  
 L = 40.15'  
 E = 2.05'  
 P.C. STA = 61+64.21  
 P.T. STA = 62+04.37

FILE NAME =	USER NAME = esdarczuk	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, TIES AND BENCHMARKS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\NORTH LAKE\940832DC131\CVI\BNI_940832.dwg	2dcl31_03.sht	DRAWN - MAK	REVISED -			-	13-00084-00-BT	COOK	52	7	
	PLOT SCALE = 40'	CHECKED - MEW	REVISED -			CONTRACT NO. 61A85					
	PLOT DATE = 10/16/2014	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKO  
 NO. \_\_\_\_\_  
 DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKO  
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**CHRISTOPHER B. BURKE**  
 ENGINEERING LTD.  
 8075 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 822-0600



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

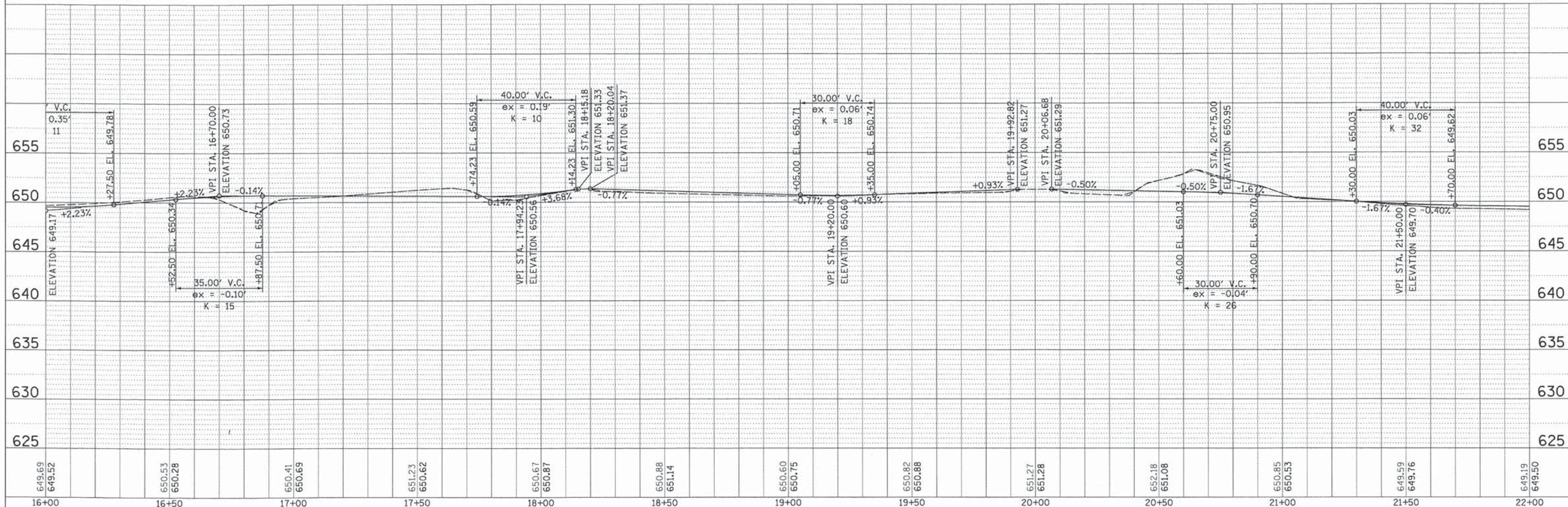
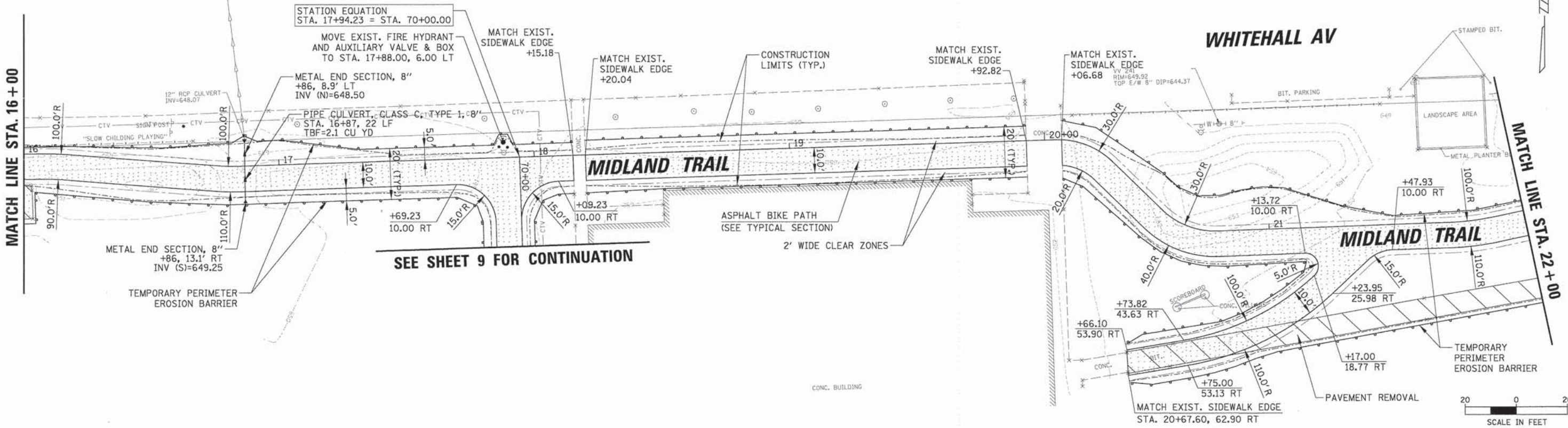
**GRANT PARK BIKE PATH**  
**PLAN AND PROFILE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	8
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
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 NOTE BOOK NO.: \_\_\_\_\_  
 ENGINEERING LTD.  
 CHRISTOPHER B. BURKE  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 822-0500  
 PROFILE SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
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 STRUCTURE NOTATIONS: CHRD



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16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00													

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GRANT PARK BIKE PATH**  
**PLAN AND PROFILE**

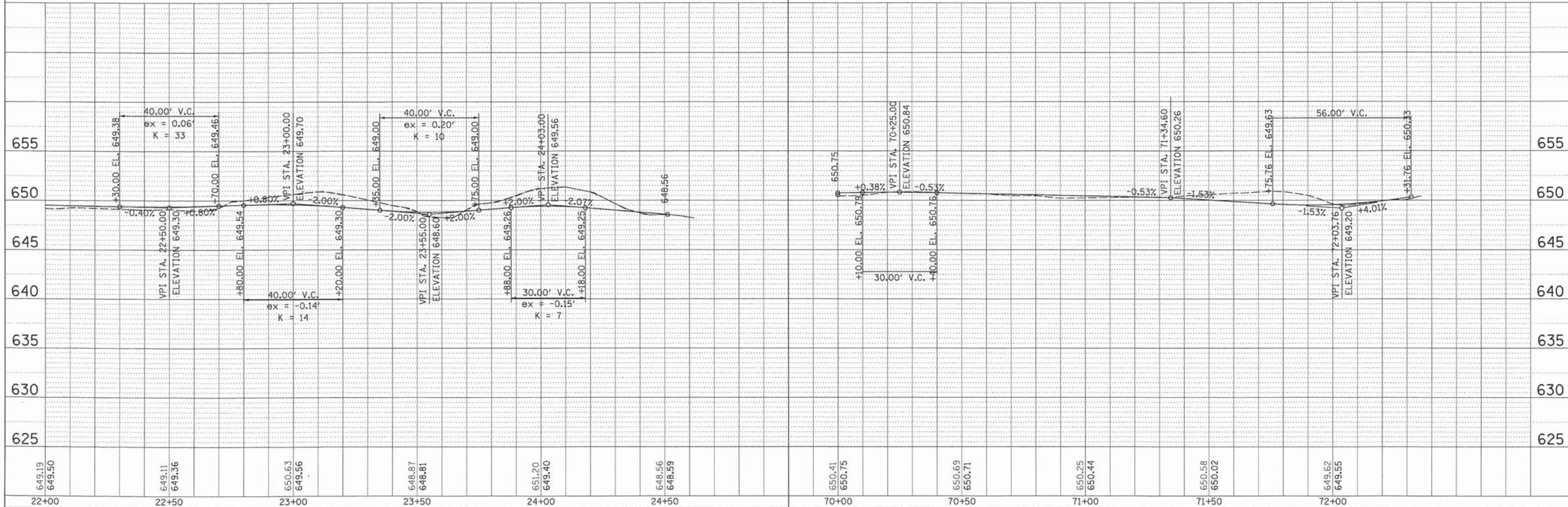
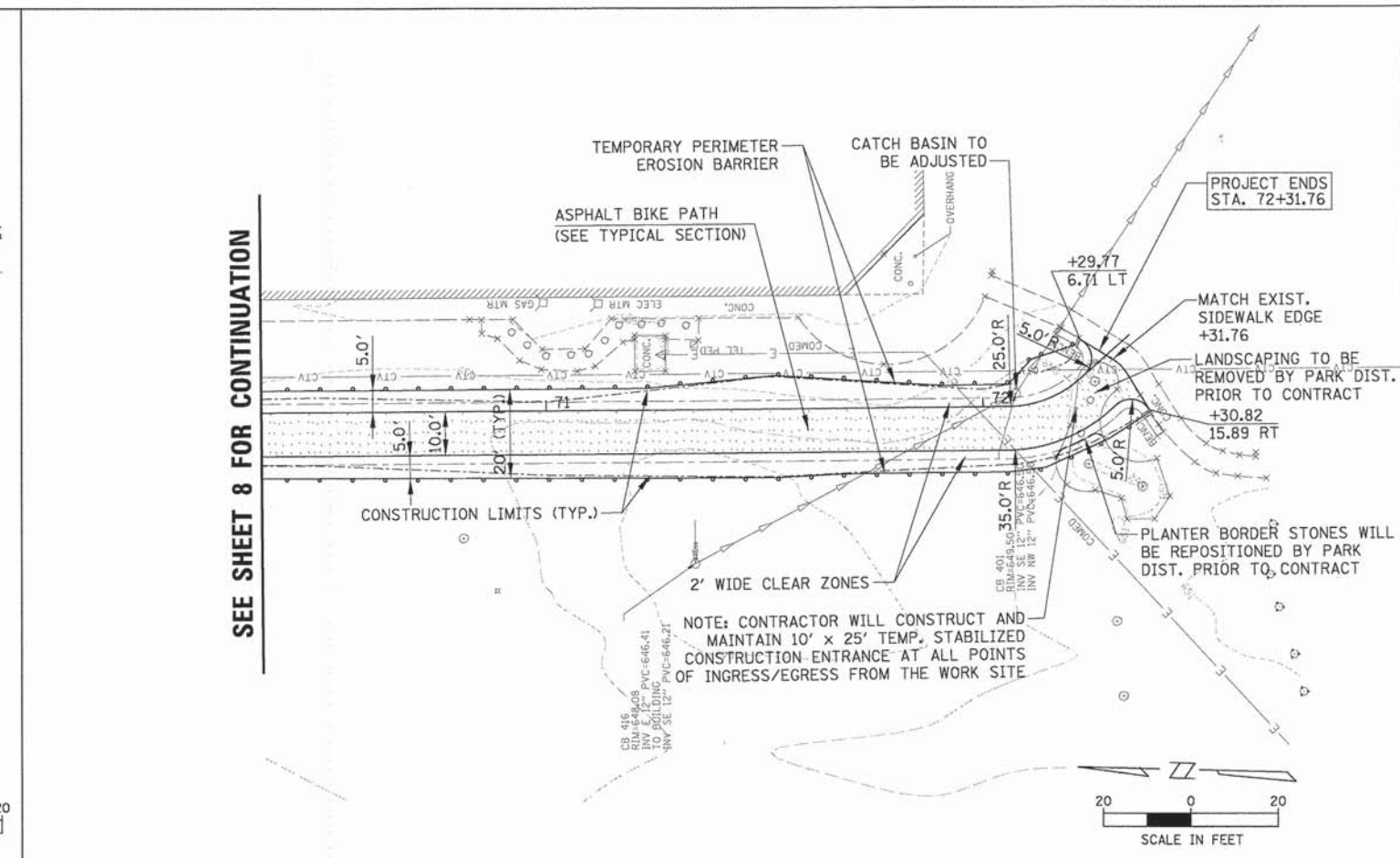
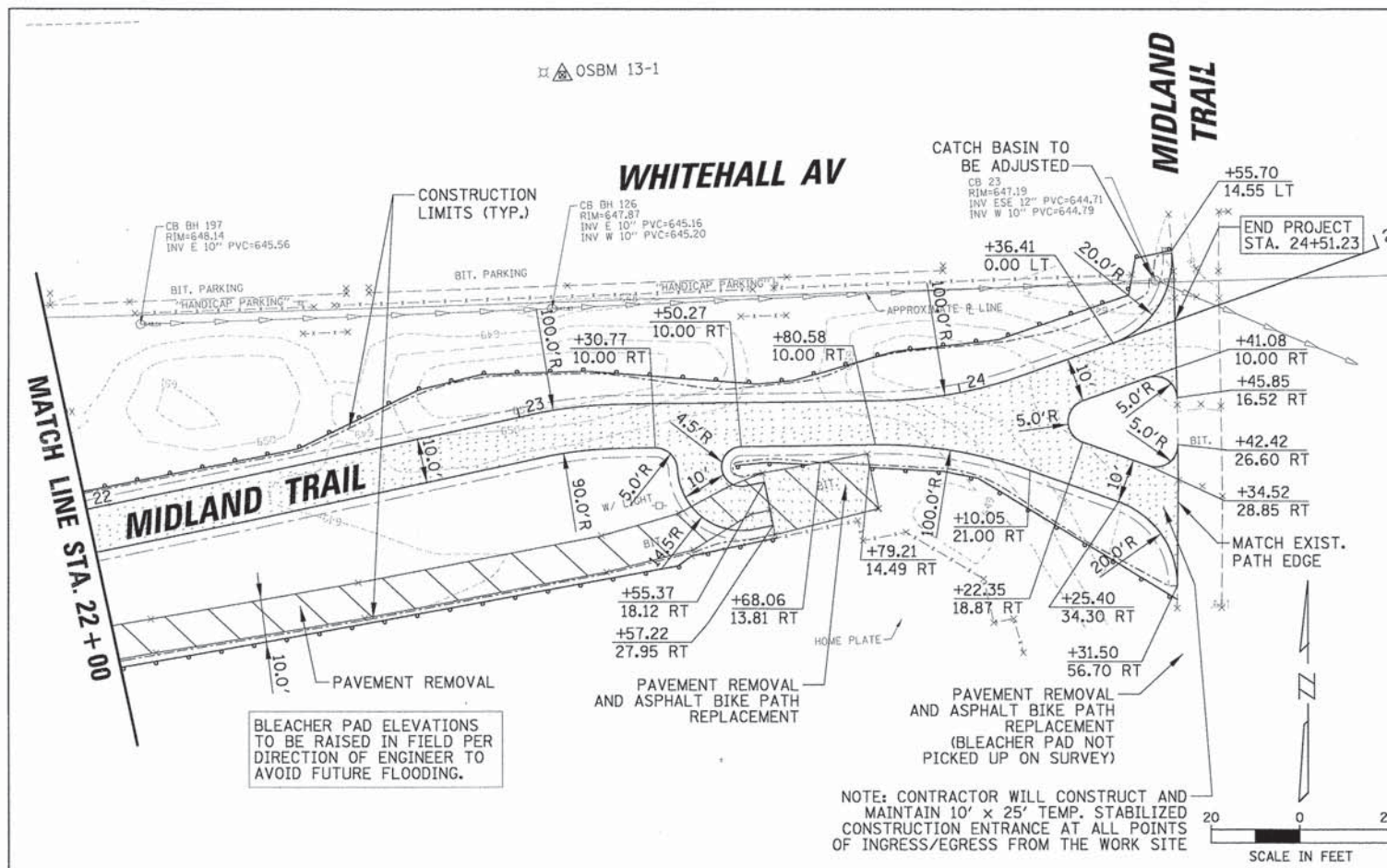
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	9
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				

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

PROFILE SURVEYED BY DATE  
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PLAN SURVEYED BY DATE  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GRANT PARK BIKE PATH**  
**PLAN AND PROFILE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	10
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

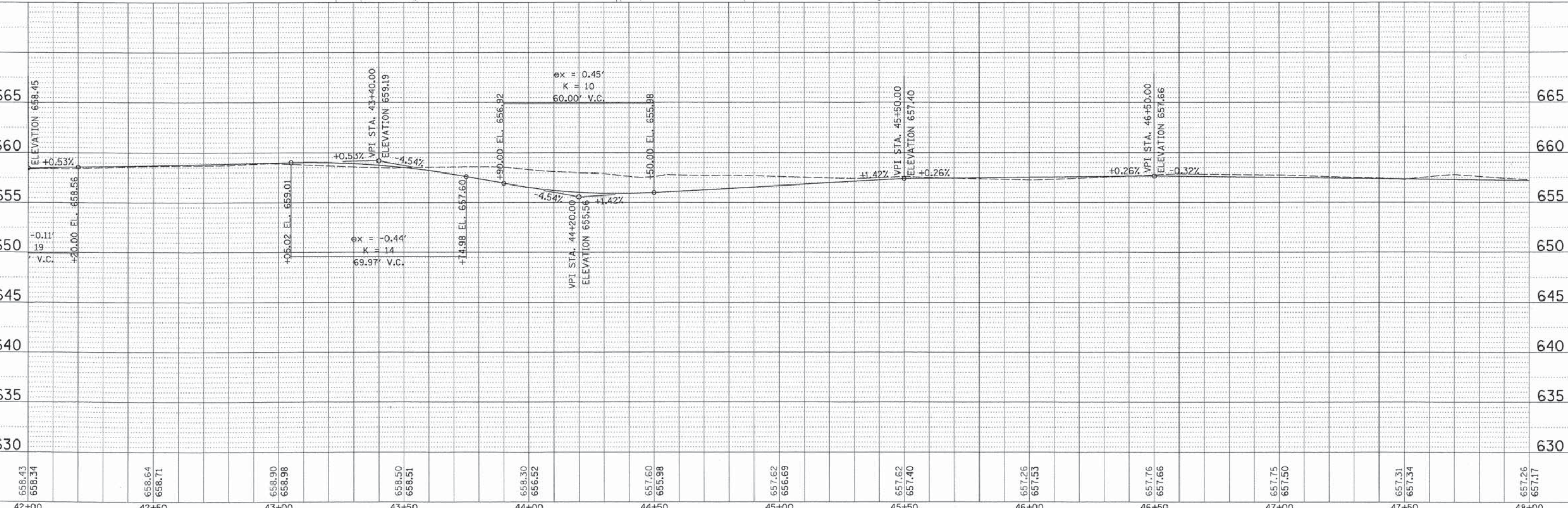
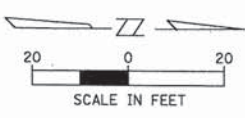




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 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS: \_\_\_\_\_  
**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 6575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500  
**CB**

MATCH LINE STA. 42+00

MATCH LINE STA. 48+00



658.43	658.34	658.64	658.71	658.90	658.98	658.50	658.51	658.30	656.52	657.60	655.98	657.62	656.69	657.62	657.40	657.26	657.53	657.76	657.66	657.75	657.50	657.31	657.34	657.26	657.17	
42+00	42+50	43+00	43+50	44+00	44+50	45+00	45+50	46+00	46+50	47+00	47+50	48+00														

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

KING ARTHUR BIKE PATH  
 PLAN AND PROFILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	13
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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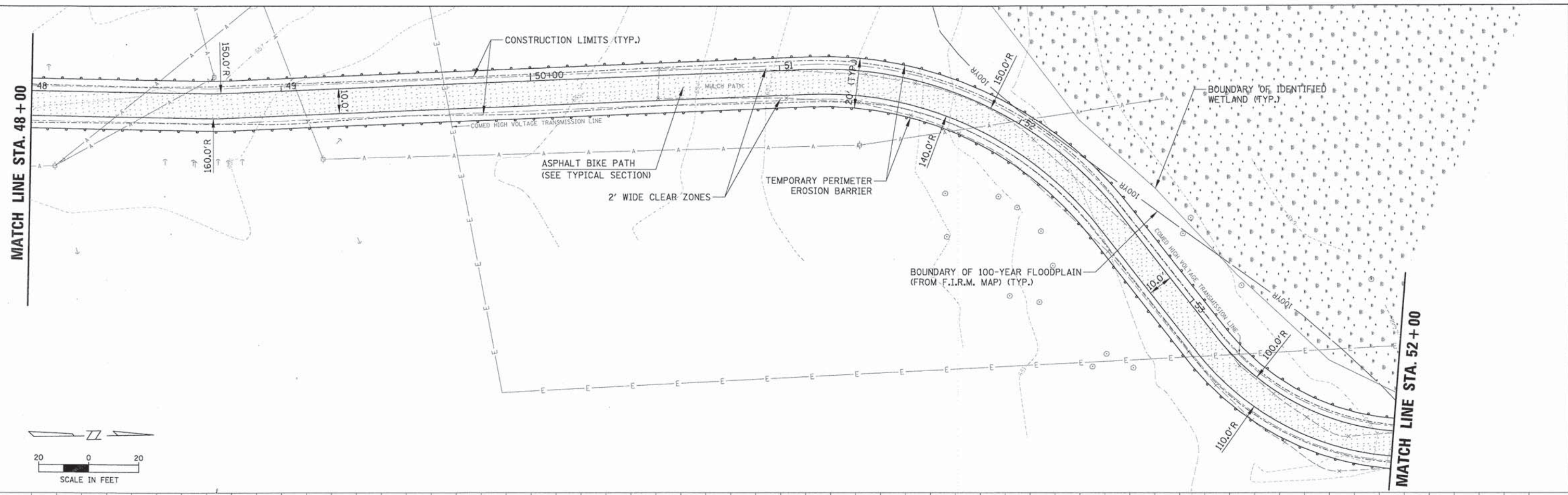
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 PLOT DATE = 10/16/2014

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 PLAN: \_\_\_\_\_  
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 NOTE BOOK NO.: \_\_\_\_\_  
 F.A.P. FILE NAME: \_\_\_\_\_

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 Rosemont, Illinois 60018  
 (847) 822-0500

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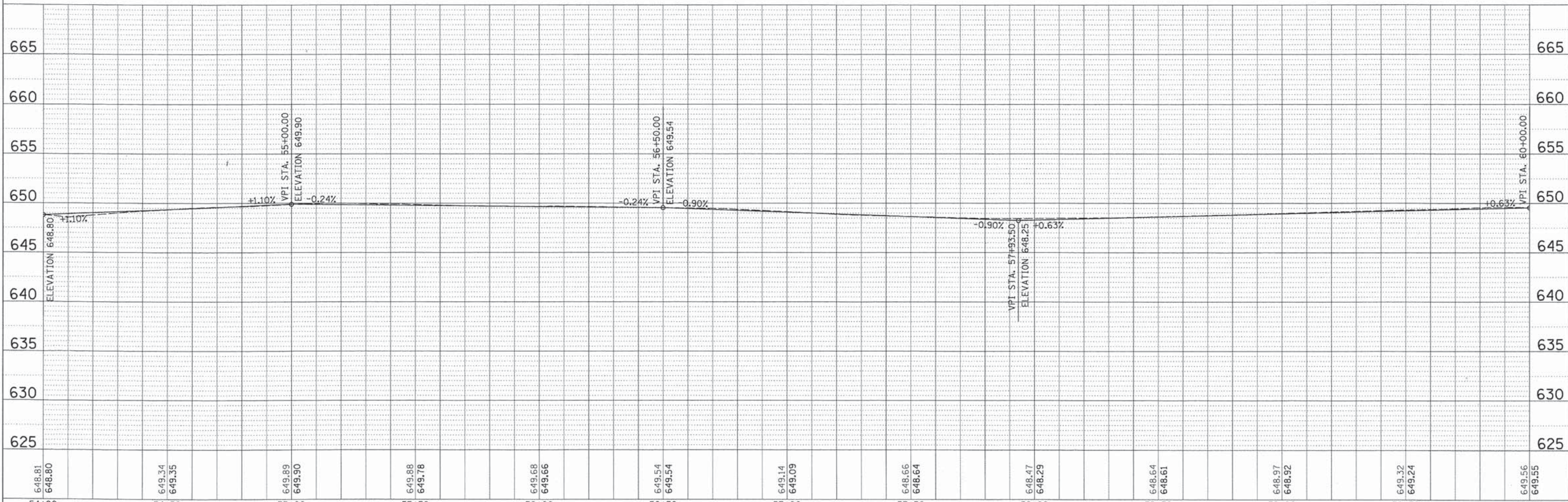
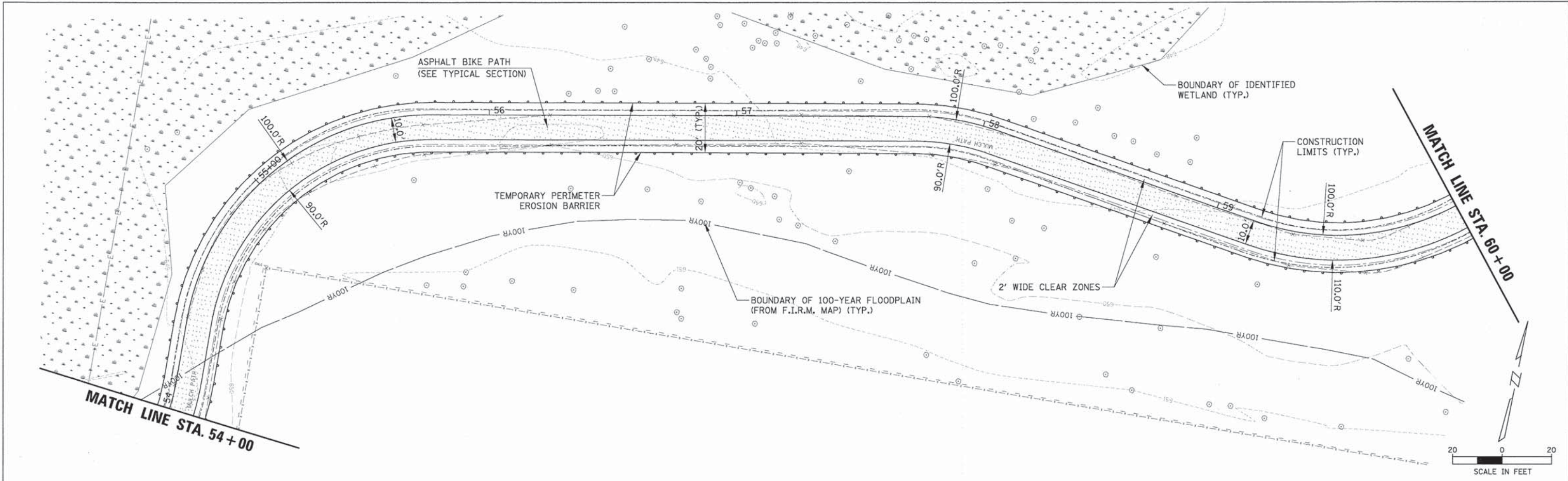
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

KING ARTHUR BIKE PATH  
 PLAN AND PROFILE

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

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 - 13-00084-00-BT COOK 52 14  
 CONTRACT NO. 61A85  
 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
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 NOTE BOOK NO.: \_\_\_\_\_  
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 ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 825-0900  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
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 NOTE BOOK NO.: \_\_\_\_\_  
 STRUCTURE NOTATION: CPAD



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54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50	58+00	58+50	59+00	59+50	60+00													

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

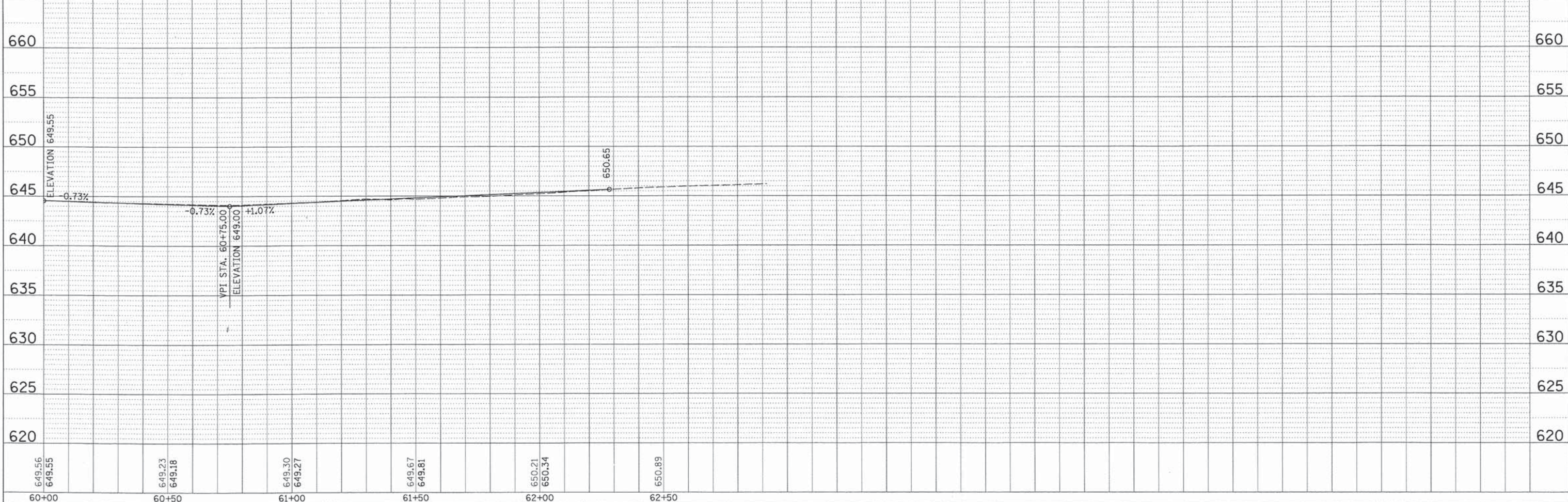
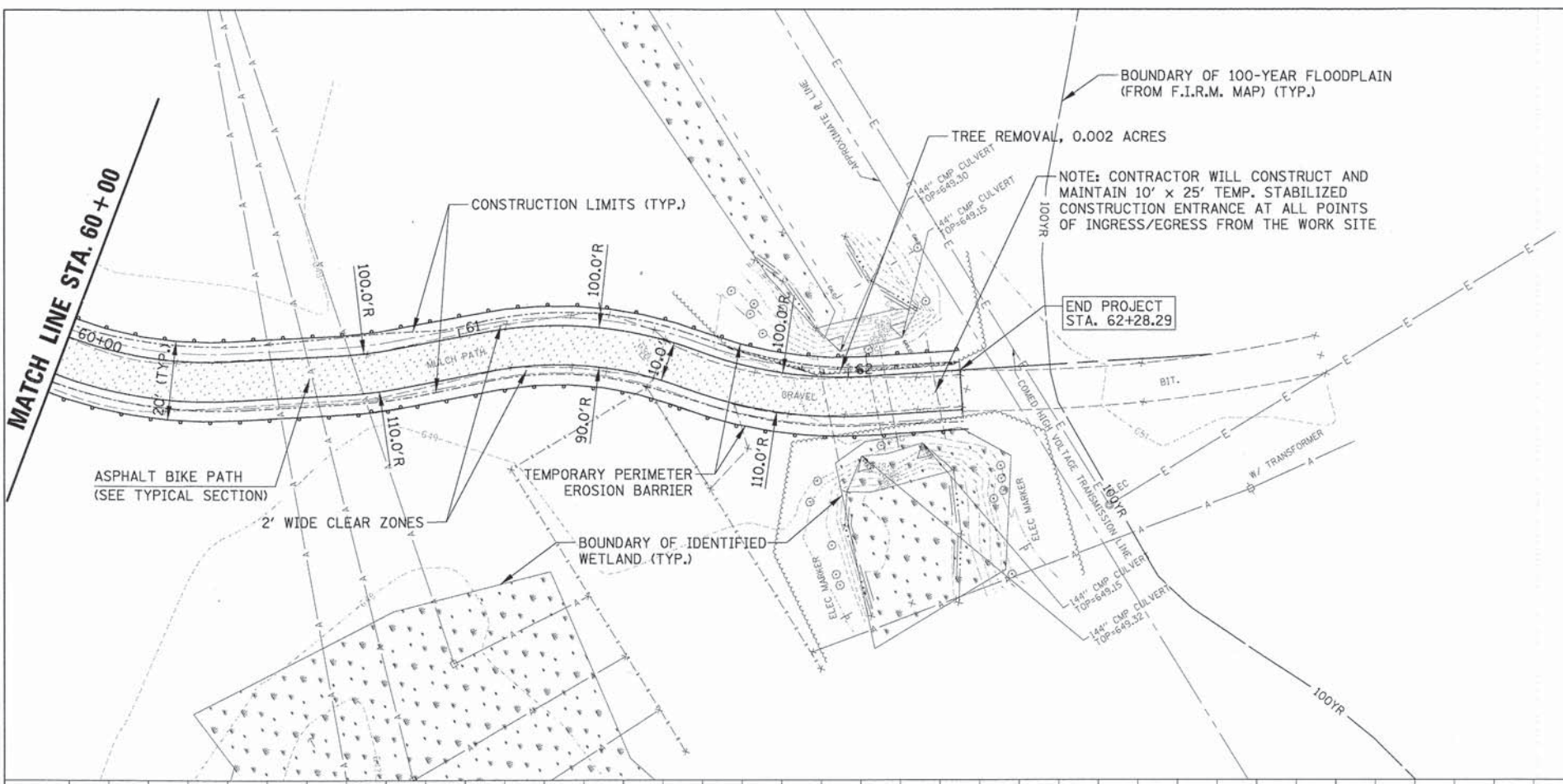
**KING ARTHUR BIKE PATH  
 PLAN AND PROFILE**

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SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_  
 COUNTY: COOK COUNTY  
 SECTION: 13-00084-00-BT  
 CONTRACT NO. 61A85  
 TOTAL SHEETS: 52  
 SHEET NO.: 15  
 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
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 STRUCTURE NOTATIONS: CPWD

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649.56 649.55	649.23 649.18	649.30 649.27	649.67 649.81	650.21 650.34	650.89
60+00	60+50	61+00	61+50	62+00	62+50

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**KING ARTHUR BIKE PATH**  
**PLAN AND PROFILE**  
 SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	16
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



## LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES, THE CONTRACTOR SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEE.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
  - B. "THE NATIONAL ELECTRICAL CODE".
  - C. MUNICIPAL CODES & STANDARDS.
6. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
7. CAST A GROUND ROD INSIDE EVERY CONCRETE POLE FOUNDATION AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 SOLID COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD AND PIGTAIL SPLICE INSIDE THE POLE HANDHOLE.
8. THE INSTALLATION OF BURIED WARNING TAPE, SPECIFIED AS PART OF TRENCH FOR UNDERGROUND CONDUITS, SHALL BE REVIEWED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING FLOWING OPERATIONS, AS APPLICABLE.
9. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
10. ALL UNDERGROUND WIRING SHALL BE MINIMUM #8 COPPER (OR SIZE AS SHOWN ON THE PLANS) XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
11. LUMINAIRES SHALL BE LEVEL & HAVE A TIGHT FIT ON MAST ARMS TO THE ENGINEER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE COST OF THE LIGHT UNIT PAY ITEM.
12. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
13. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
15. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LOCATIONS.
17. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
18. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER. THE ELECTRIC SERVICE COORDINATION PERFORMED BY THE ENGINEER DURING DESIGN IS INCLUDED IN THE PLANS FOR THE CONTRACTORS INFORMATION.
20. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS.
21. ALL STEEL SHALL BE FROM DOMESTIC SOURCE.

## LIGHTING BILL OF MATERIALS

CODE NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	40
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	75
81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	1950
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	9650
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	13
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	35930
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	150
82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	366
*X0324390	FLOOD LIGHTING UNIT	EACH	2
*X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	61
*Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	2

### ABBREVIATIONS

A	AMPS
AIC	AMPS INTERRUPTING CURRENT
CKT	CIRCUIT
DIA	DIAMETER
DPDT	DOUBLE POLE DOUBLE THROW SWITCH
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT OF WAY
SPST	SINGLE POLE SINGLE THROW SWITCH
STA	STATION
V	VOLTS
W	WATTS

#### CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

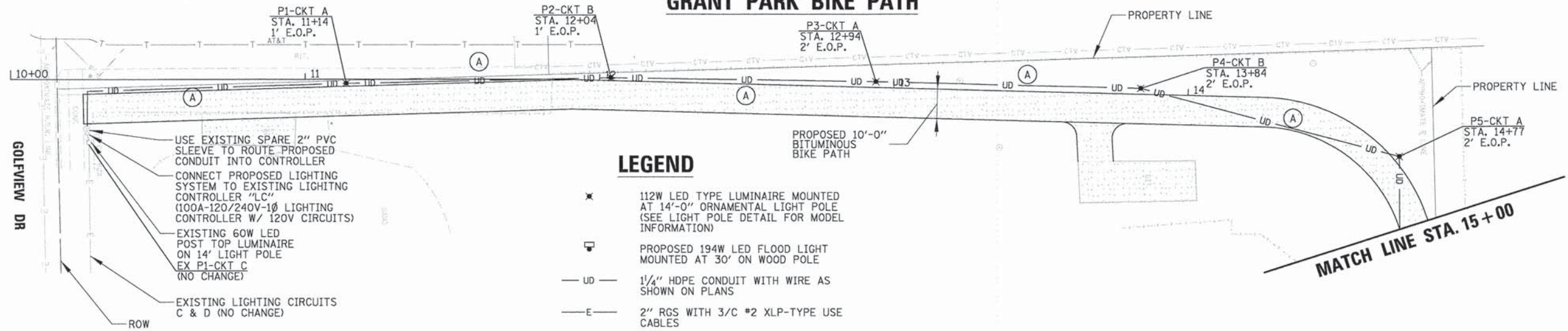
THE CITY OF NORTHLAKE WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM.

SURVEYED PLOTTED CHECKED BY: _____ DATE: _____	BY: _____ DATE: _____
PLAN NO. _____ DATE: _____	PROFILE NO. _____ DATE: _____

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 (847) 823-0500



# GRANT PARK BIKE PATH



USE EXISTING SPARE 2" PVC SLEEVE TO ROUTE PROPOSED CONDUIT INTO CONTROLLER  
 CONNECT PROPOSED LIGHTING SYSTEM TO EXISTING LIGHTING CONTROLLER "LC"  
 (100A-120/240V-1Ø LIGHTING CONTROLLER W/ 120V CIRCUITS)  
 EXISTING 60W LED POST TOP LUMINAIRE ON 14' LIGHT POLE EX P1-CKT C (NO CHANGE)  
 EXISTING LIGHTING CIRCUITS C & D (NO CHANGE)

## LEGEND

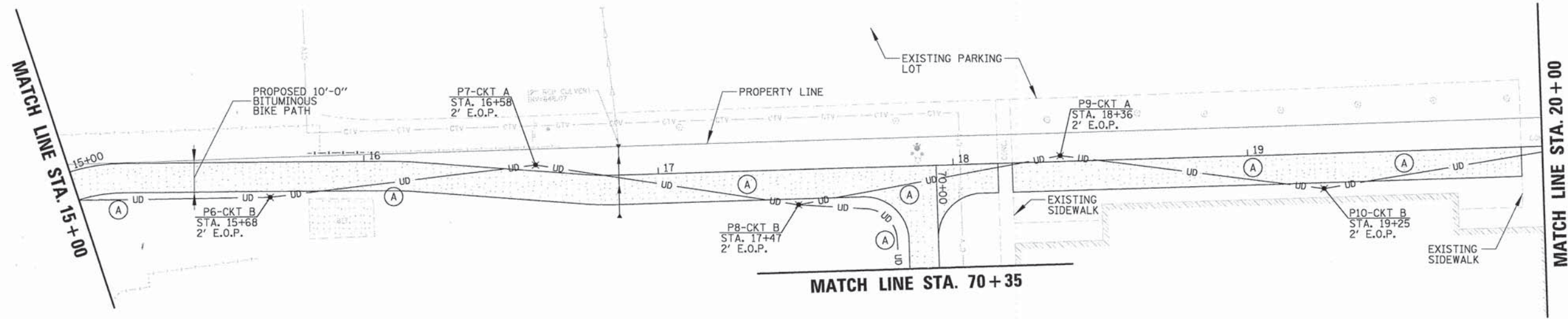
- ✕ 112W LED TYPE LUMINAIRE MOUNTED AT 14'-0" ORNAMENTAL LIGHT POLE (SEE LIGHT POLE DETAIL FOR MODEL INFORMATION)
- ☐ PROPOSED 194W LED FLOOD LIGHT MOUNTED AT 30' ON WOOD POLE
- UD — 1/4" HDPE CONDUIT WITH WIRE AS SHOWN ON PLANS
- E — 2" RGS WITH 3/C #2 XLP-TYPE USE CABLES
- ☐ PROPOSED LIGHTING CONTROLLER CABINET
- ☐ CABINET MOUNTED COM ED METER
- ☐ DOOR SWING
- ☐ PROPOSED COMPOSITE CONCRETE HANDHOLE
- ☐ PROPOSED COM ED OVERHEAD SERVICE DROP LOCATION
- ☐ LIGHT POLE IDENTIFIER
- ☐ CIRCUIT IDENTIFIER
- ☐ STATION
- ☐ SETBACK FROM EDGE OF PATH (E.O.P.) TO CENTER OF POLE
- ☐ EXISTING CITY OF NORTHLAKE 14' ORNAMENTAL LIGHT POLE
- ☐ EXISTING LIGHTING CONTROLLER CABINET

## CONDUIT/CONDUCTOR SCHEDULE

- (A) 1" SCH 40 HDPE WITH 2/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (B) 1" SCH 40 HDPE WITH 1/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (C) 1/4" SCH 40 HDPE WITH 4/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (D) 1/4" SCH 40 HDPE WITH 2/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (E) EMPTY 1/4" SCH 40 HDPE WITH PULL STRING

DATE	BY	DATE	BY
DATE	BY	DATE	BY

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 Rosemont, Illinois 60018  
 (847) 823-0500

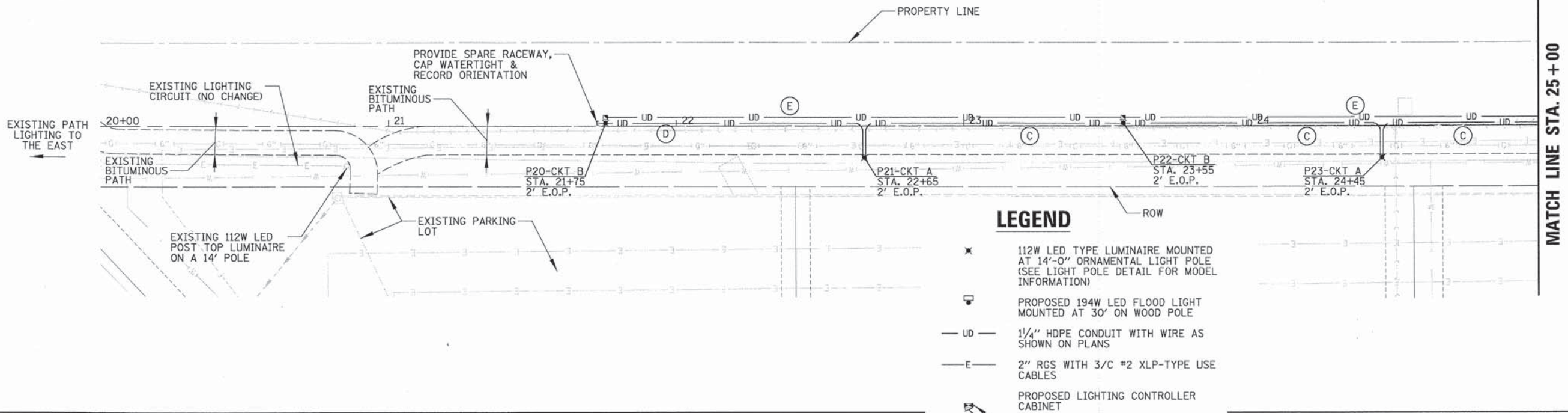
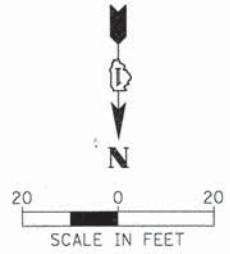


FILE NAME = N:\NORTHLAKE\9400320C131\Mech\9400320C	USER NAME = ostdorczuk	DESIGNED - AJD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING PLAN - 1</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
31.02.LTG.SHT	DRAWN - LRR	REVISED -	-			13-00084-00-BT	COOK	52	18	
PLOT SCALE = 20'	CHECKED - AJD	REVISED -								
PLOT DATE = 10/16/2014	DATE -	REVISED -								
SCALE: 20'						SHEET NO. OF SHEETS		STA. 10+00 TO STA. 22+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 61A85



# KING ARTHUR COURT BIKE PATH

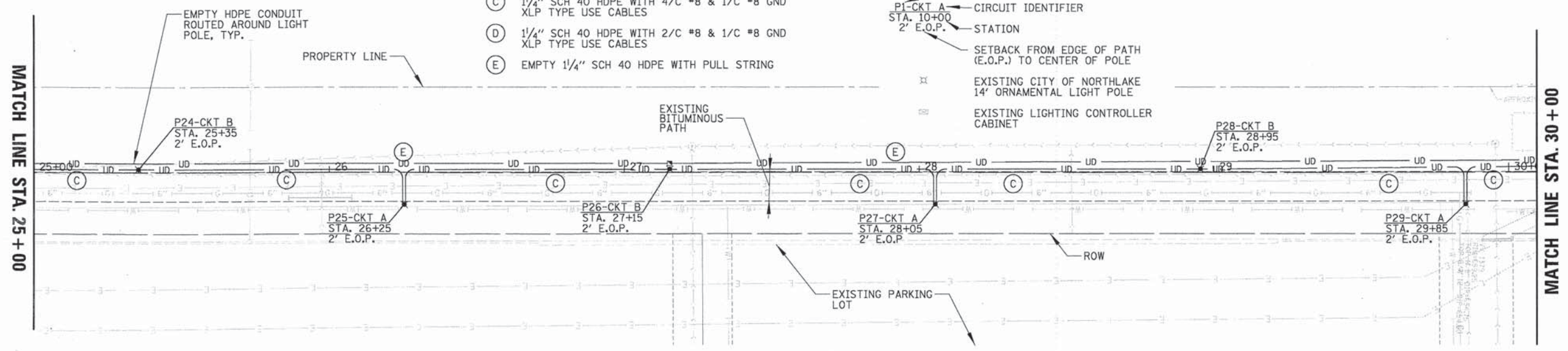


### LEGEND

- ✱ 112W LED TYPE LUMINAIRE MOUNTED AT 14'-0" ORNAMENTAL LIGHT POLE (SEE LIGHT POLE DETAIL FOR MODEL INFORMATION)
- ☒ PROPOSED 194W LED FLOOD LIGHT MOUNTED AT 30' ON WOOD POLE
- UD — 1/4" HDPE CONDUIT WITH WIRE AS SHOWN ON PLANS
- E — 2" RGS WITH 3/C #2 XLP-TYPE USE CABLES
- ☒ PROPOSED LIGHTING CONTROLLER CABINET
- ☒ CABINET MOUNTED COM ED METER
- ☒ DOOR SWING
- ☒ PROPOSED COMPOSITE CONCRETE HANDHOLE
- ☒ PROPOSED COM ED OVERHEAD SERVICE DROP LOCATION
- ☒ LIGHT POLE IDENTIFIER
- ☒ CIRCUIT IDENTIFIER
- ☒ STATION
- ☒ SETBACK FROM EDGE OF PATH (E.O.P.) TO CENTER OF POLE
- ☒ EXISTING CITY OF NORTHLAKE 14' ORNAMENTAL LIGHT POLE
- ☒ EXISTING LIGHTING CONTROLLER CABINET

### CONDUIT/CONDUCTOR SCHEDULE

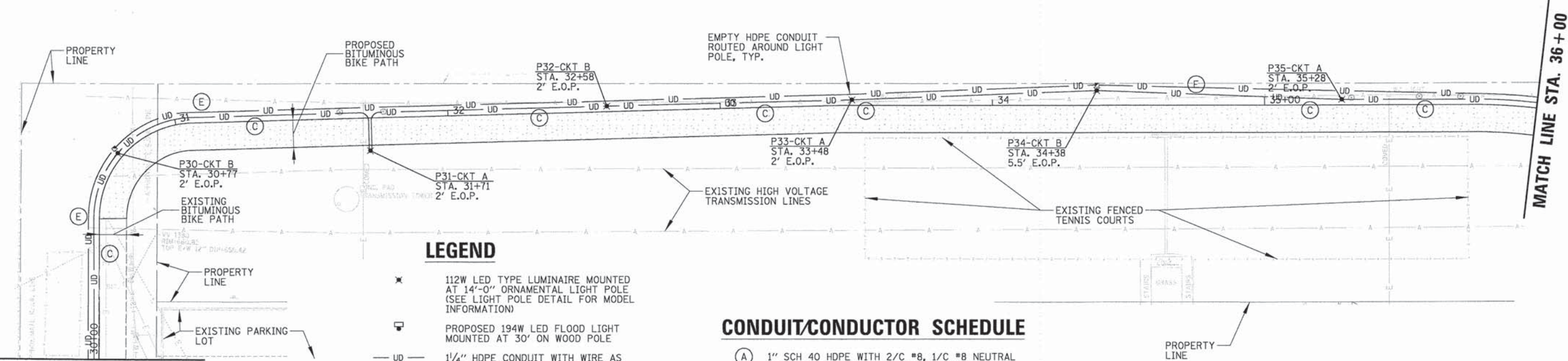
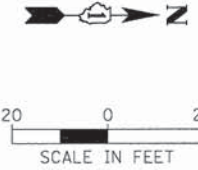
- (A) 1" SCH 40 HDPE WITH 2/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (B) 1" SCH 40 HDPE WITH 1/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (C) 1/4" SCH 40 HDPE WITH 4/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (D) 1/4" SCH 40 HDPE WITH 2/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (E) EMPTY 1/4" SCH 40 HDPE WITH PULL STRING



<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DATE</td><td>BY</td></tr> <tr><td>DATE</td><td>BY</td></tr> <tr><td>DATE</td><td>BY</td></tr> <tr><td>DATE</td><td>BY</td></tr> </table>	DATE	BY	DATE	BY	DATE	BY	DATE	BY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DATE</td><td>BY</td></tr> <tr><td>DATE</td><td>BY</td></tr> <tr><td>DATE</td><td>BY</td></tr> <tr><td>DATE</td><td>BY</td></tr> </table>	DATE	BY	DATE	BY	DATE	BY	DATE	BY
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PROFILE PLOTTED NOTE BOOK NO.	SURVEYED PLOTTED NOTE BOOK NO.																
STRUCTURE NOTATIONS DIFG	ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500																

FILE NAME =	USER NAME = esidorczuk	DESIGNED - AJD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING PLAN - 3</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\NDRTHLAKE\9400320C131\Mech\9400320C	31_B4_LTC.SHT	DRAWN - LRR	REVISED -			-	13-00084-00-BT	COOK	52	20
PLOT SCALE = 20'	CHECKED - AJD	REVISED -				CONTRACT NO. 61A85				
PLOT DATE = 10/16/2014	DATE -	REVISED -				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
SCALE: 20'						SHEET NO. OF SHEETS		STA. 30+40 TO STA. 42+00		

# KING ARTHUR COURT BIKE PATH



**MATCH LINE STA. 30+00**

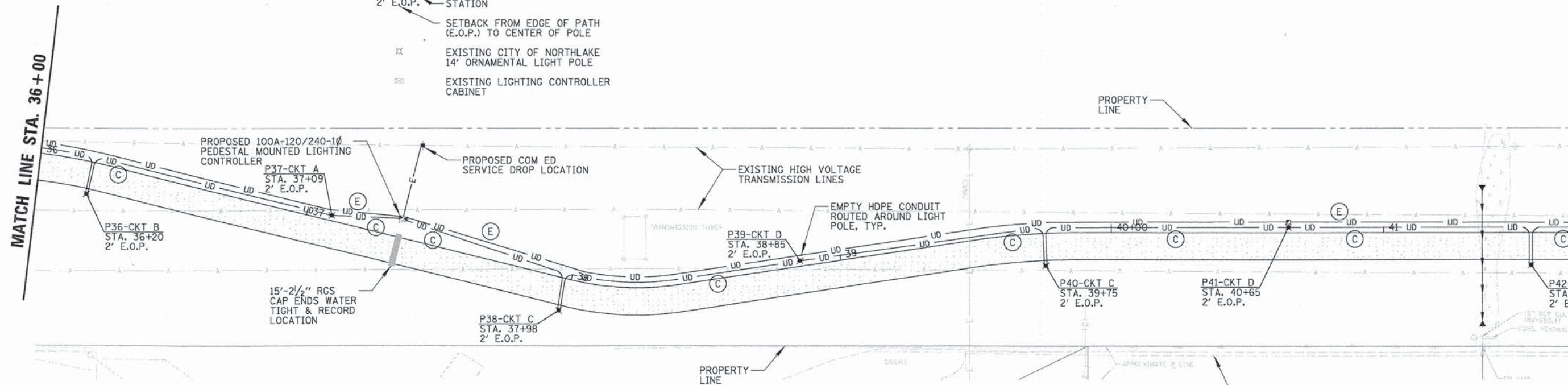
**MATCH LINE STA. 36+00**

### LEGEND

- ✱ 112W LED TYPE LUMINAIRE MOUNTED AT 14'-0" ORNAMENTAL LIGHT POLE (SEE LIGHT POLE DETAIL FOR MODEL INFORMATION)
- ☐ PROPOSED 194W LED FLOOD LIGHT MOUNTED AT 30' ON WOOD POLE
- UD — 1/4" HDPE CONDUIT WITH WIRE AS SHOWN ON PLANS
- E — 2" RGS WITH 3/C #2 XLP-TYPE USE CABLES
- ☐ PROPOSED LIGHTING CONTROLLER CABINET
- ☐ CABINET MOUNTED COM ED METER
- ☐ DOOR SWING
- ☐ PROPOSED COMPOSITE CONCRETE HANDHOLE
- ☐ PROPOSED COM ED OVERHEAD SERVICE DROP LOCATION
- ☐ LIGHT POLE IDENTIFIER
- ☐ CIRCUIT IDENTIFIER
- ☐ STATION
- ☐ SETBACK FROM EDGE OF PATH (E.O.P.) TO CENTER OF POLE
- ☐ EXISTING CITY OF NORTHLAKE 14' ORNAMENTAL LIGHT POLE
- ☐ EXISTING LIGHTING CONTROLLER CABINET

### CONDUIT/CONDUCTOR SCHEDULE

- (A) 1" SCH 40 HDPE WITH 2/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (B) 1" SCH 40 HDPE WITH 1/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (C) 1/4" SCH 40 HDPE WITH 4/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (D) 1/4" SCH 40 HDPE WITH 2/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (E) EMPTY 1/4" SCH 40 HDPE WITH PULL STRING



**MATCH LINE STA. 36+00**

**MATCH LINE STA. 42+00**

PROFILE	NO.	DATE	BY	DATE	BY	DATE
	NOTE BOOK					
PLAN	NO.	DATE	BY	DATE	BY	DATE
	NOTE BOOK					

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-9500

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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	31.05.LTG.SHT	DRAWN -	REVISED -
	PLOT SCALE = 20'	LRR	
	PLOT DATE = 10/16/2014	CHECKED -	REVISED -
		AJD	
		DATE -	REVISED -

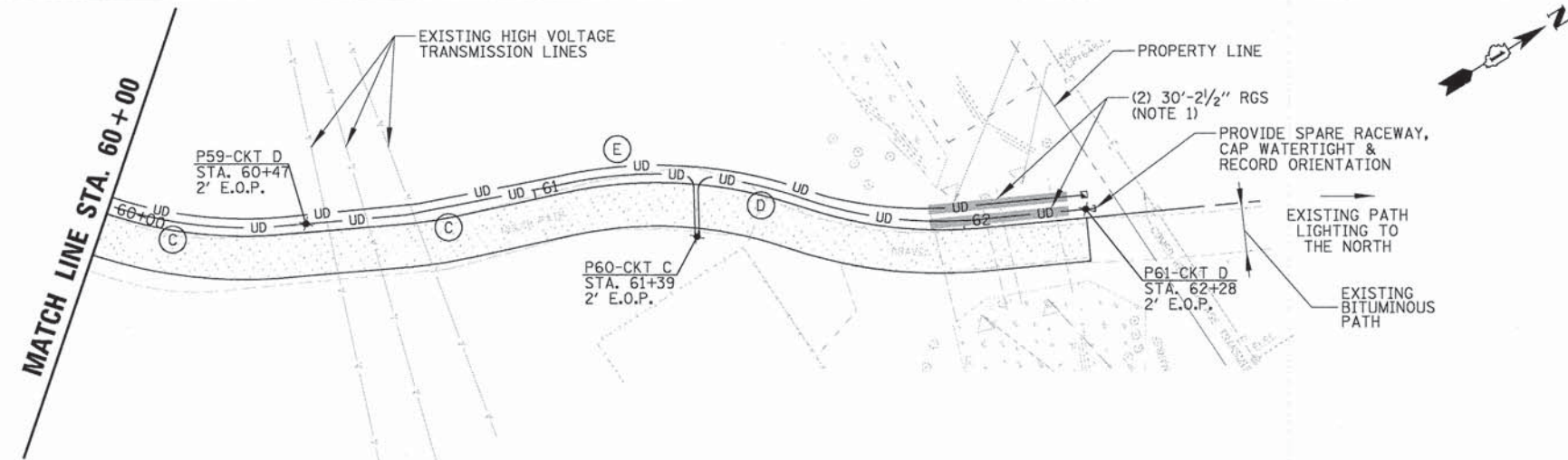
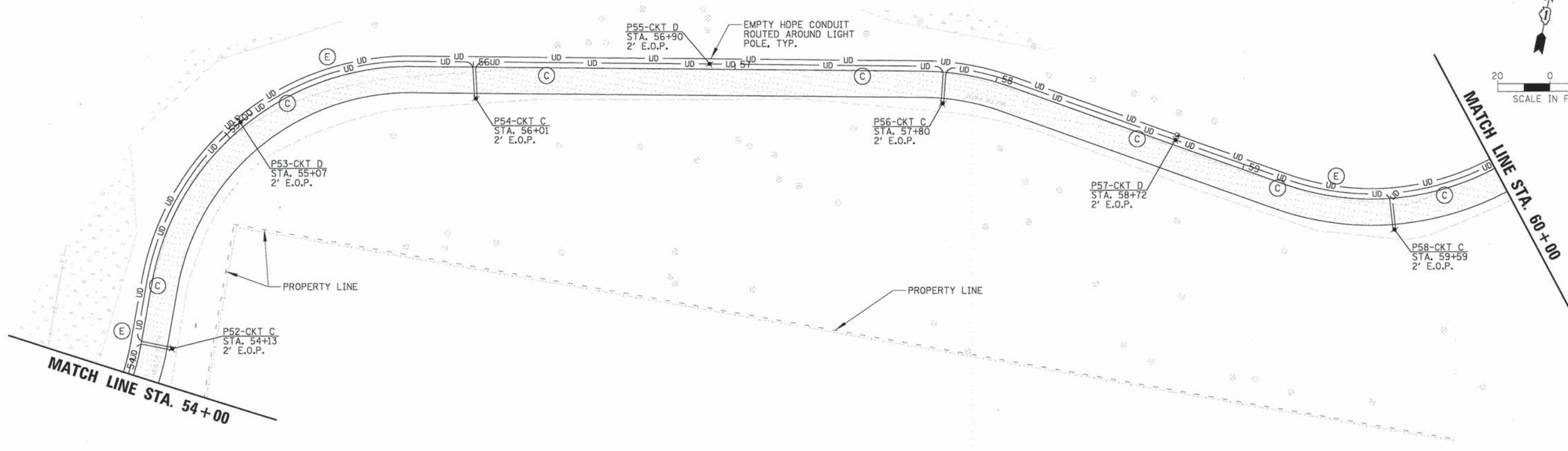
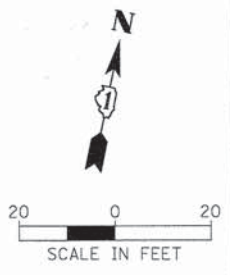
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>LIGHTING PLAN - 4</b>			
SCALE: 20'	SHEET NO.	OF SHEETS	STA. 30+00 TO STA. 42+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	21
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



# KING ARTHUR COURT BIKE PATH



## LEGEND

- ✱ 112W LED TYPE LUMINAIRE MOUNTED AT 14'-0" ORNAMENTAL LIGHT POLE (SEE LIGHT POLE DETAIL FOR MODEL INFORMATION)
- ☐ PROPOSED 194W LED FLOOD LIGHT MOUNTED AT 30' ON WOOD POLE
- UD — 1/4" HDPE CONDUIT WITH WIRE AS SHOWN ON PLANS
- E — 2" RGS WITH 3/4" #2 XLP-TYPE USE CABLES
- ☐ PROPOSED LIGHTING CONTROLLER CABINET
- ☐ CABINET MOUNTED COM ED METER
- ☐ DOOR SWING
- ☐ PROPOSED COMPOSITE CONCRETE HANDHOLE
- ☐ PROPOSED COM ED OVERHEAD SERVICE DROP LOCATION
- ☐ LIGHT POLE IDENTIFIER
- ☐ P1-CKT A STA. 10+00 2' E.O.P. → CIRCUIT IDENTIFIER
- ☐ STATION
- ☐ SETBACK FROM EDGE OF PATH (E.O.P.) TO CENTER OF POLE
- ☐ EXISTING CITY OF NORTHLAKE 14' ORNAMENTAL LIGHT POLE
- ☐ EXISTING LIGHTING CONTROLLER CABINET

## CONDUIT/CONDUCTOR SCHEDULE

- (A) 1" SCH 40 HDPE WITH 2/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (B) 1" SCH 40 HDPE WITH 1/C #8, 1/C #8 NEUTRAL & 1/C #8 GND XLP TYPE USE CABLES
- (C) 1/4" SCH 40 HDPE WITH 4/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (D) 1/4" SCH 40 HDPE WITH 2/C #8 & 1/C #8 GND XLP TYPE USE CABLES
- (E) EMPTY 1/4" SCH 40 HDPE WITH PULL STRING

NOTES:  
1. INSTALL RGS CONDUIT SLEEVES ON TOP OF CULVERTS (APPROXIMATELY 1' BELOW GRADE)

DATE	BY	DATE	BY

**CHRISTOPHER B. BURKE**  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

DATE	BY	DATE	BY

FILE NAME =	USER NAME = esidorczuk	DESIGNED - AJD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING PLAN - 6</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 20'	CHECKED - AJD	REVISED -			SCALE: 20'	SHEET NO. OF SHEETS	STA. 54+00 TO STA. 62+30	CONTRACT NO. 61A85		
	PLOT DATE = 10/16/2014	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



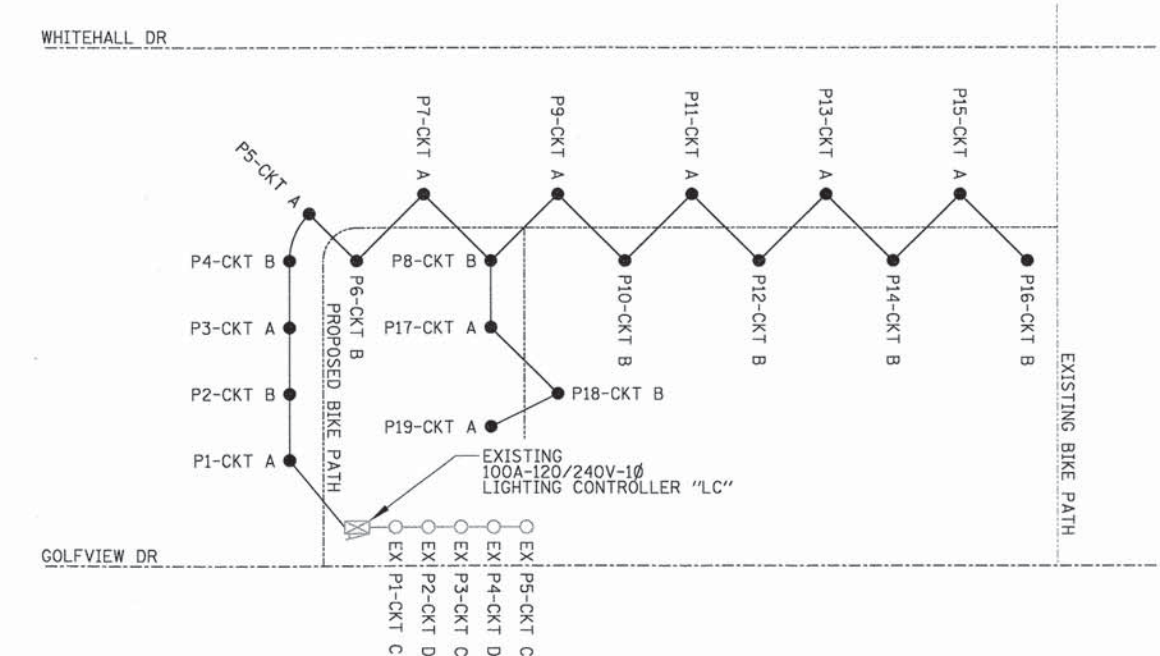
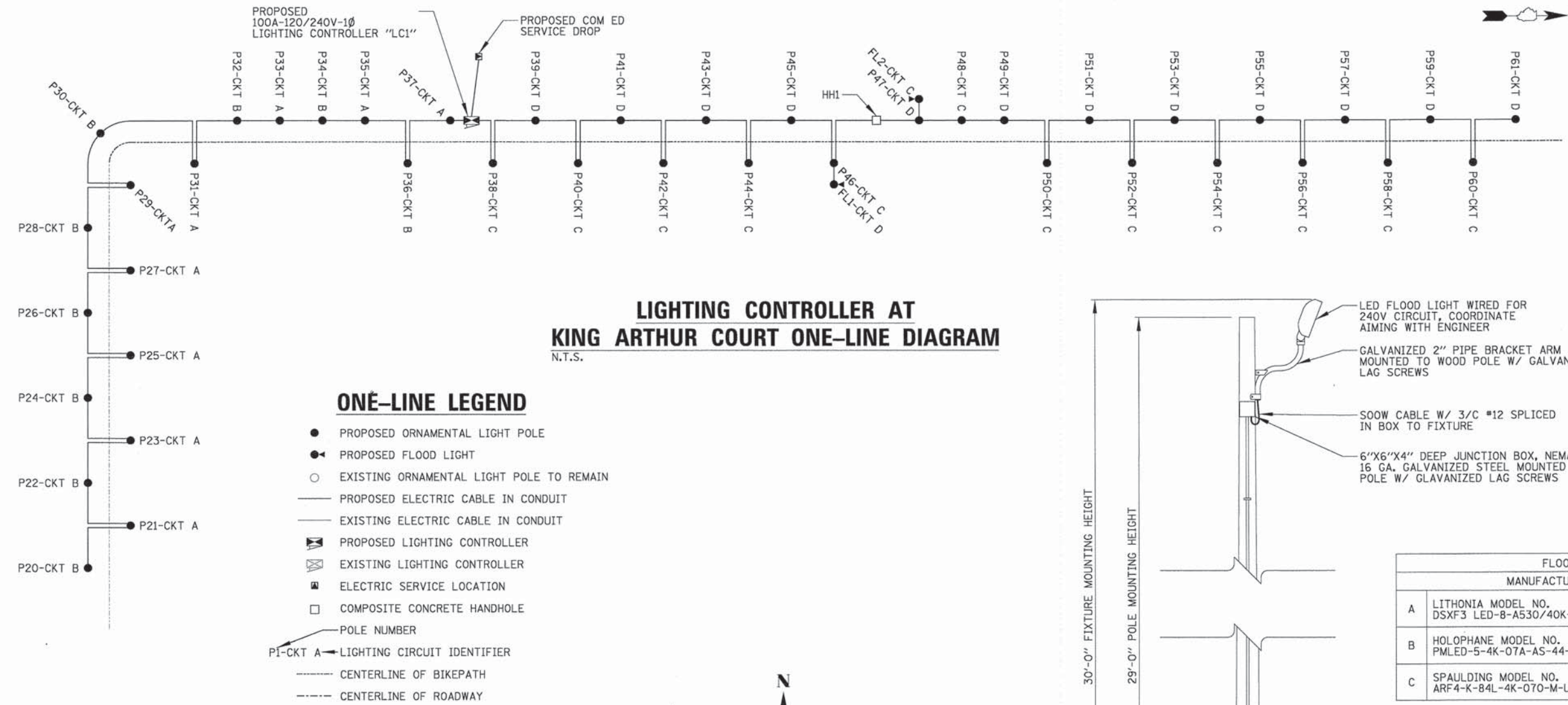






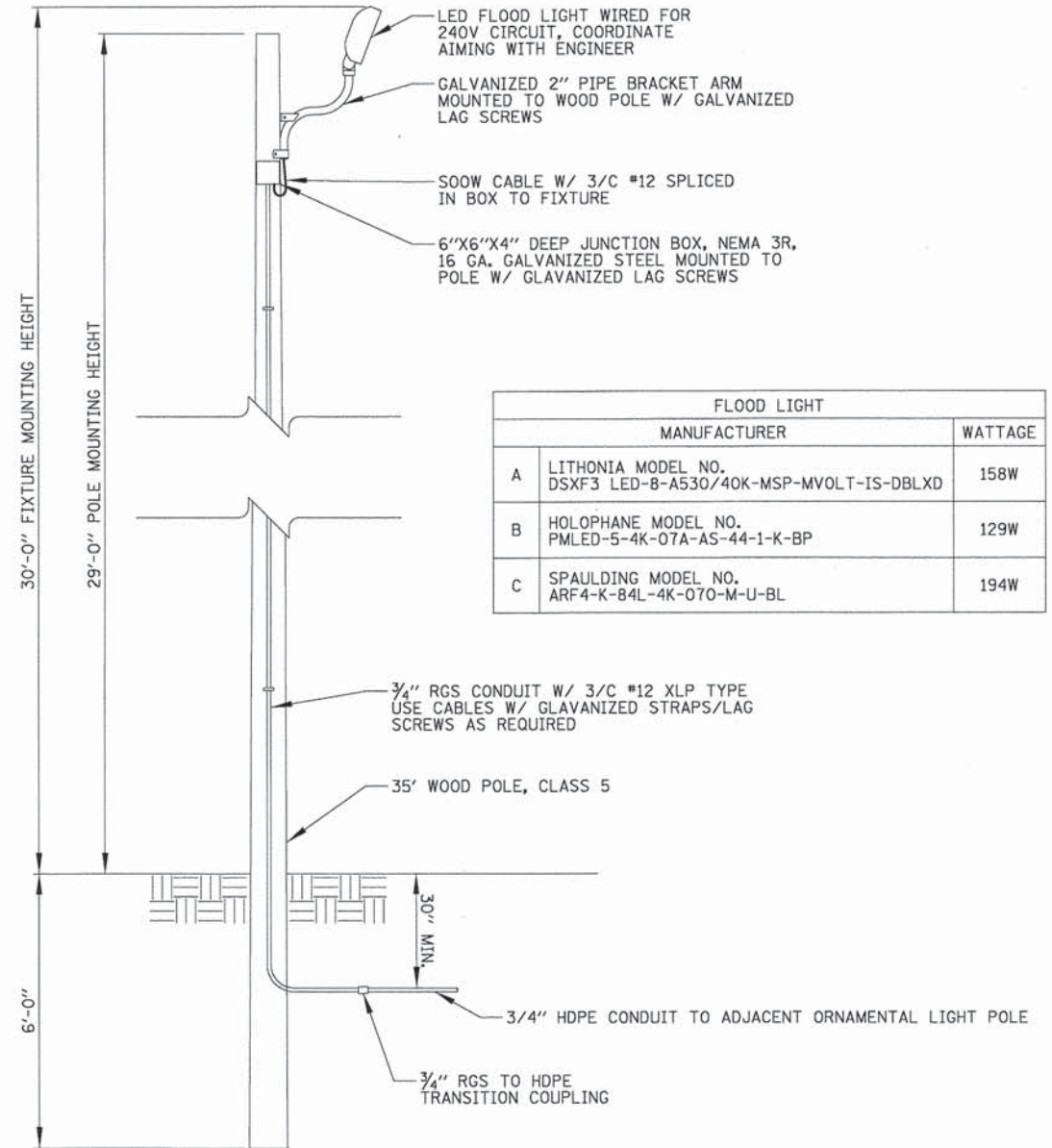
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 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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 PLATTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 STRUCTURE NOTATION: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

**CHRISTOPHER B. BURKE**  
 ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0600



**EXISTING LIGHTING CONTROLLER AT GRANT PARK ONE-LINE DIAGRAM**  
 N.T.S.

**LIGHTING CONTROLLER AT KING ARTHUR COURT ONE-LINE DIAGRAM**  
 N.T.S.



**NOTES:**  
 1. FURNISHING AND INSTALLATION OF ALL MATERIAL ABOVE (INCLUDING CONDUIT AND WIRE TO ADJACENT POLE & PROTECTIVE FUSING IN ADJACENT POLE) SHALL BE PAID FOR UNDER "FLOOD LIGHTING UNIT" (SEE SPECIAL PROVISION).

**FLOOD LIGHT DETAIL**  
 N.T.S.

FILE NAME =	USER NAME = esidorczuk	DESIGNED - AJD	REVISED -
N:\NORTHLAKE\9408320C131\Mech\9408320C	31.11.LDT.sht	DRAWN - LRR	REVISED -
	PLT SCALE = 20"	CHECKED - AJD	REVISED -
	PLT DATE = 10/16/2014	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS - 4**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

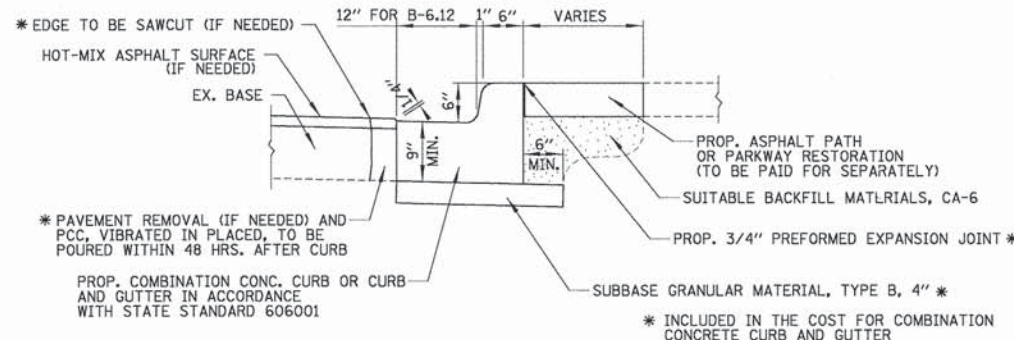
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	27
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE	
BY	
PROJECT	
PLANNED	
DESIGNED	
CHECKED	
APPROVED	
NO.	

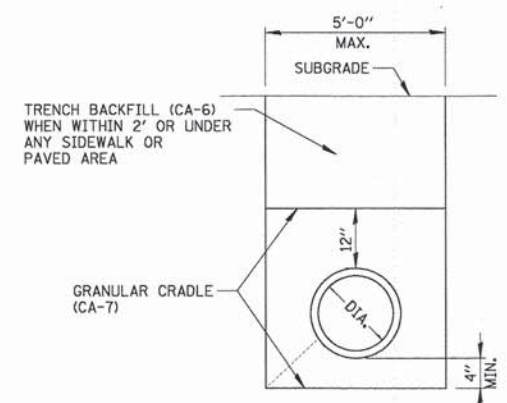
CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
8575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 822-0500

DATE	
BY	
PROJECT	
PLANNED	
DESIGNED	
CHECKED	
APPROVED	
NO.	

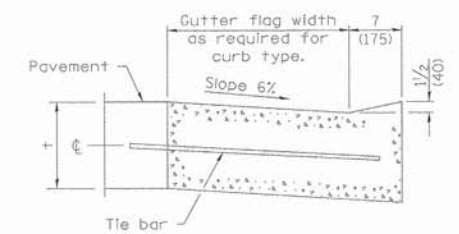


ALL REQUIRED EARTH EXCAVATION AND SUITABLE BACKFILL TO CONSTRUCT COMBINATION CONCRETE CURB AND GUTTER WILL BE INCLUDED IN THE COST FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

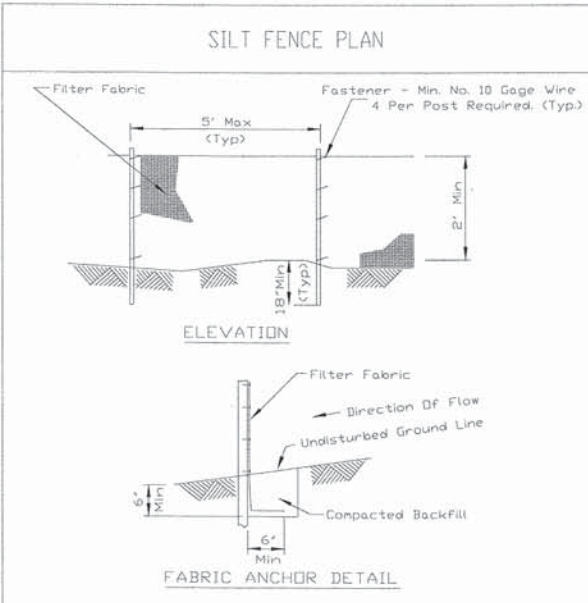
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



TYPICAL TRENCH DETAIL

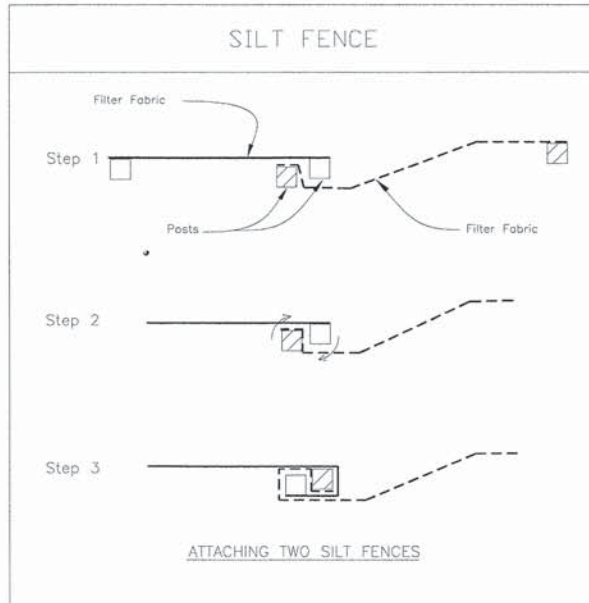


DEPRESSED CURB (TYPICAL)



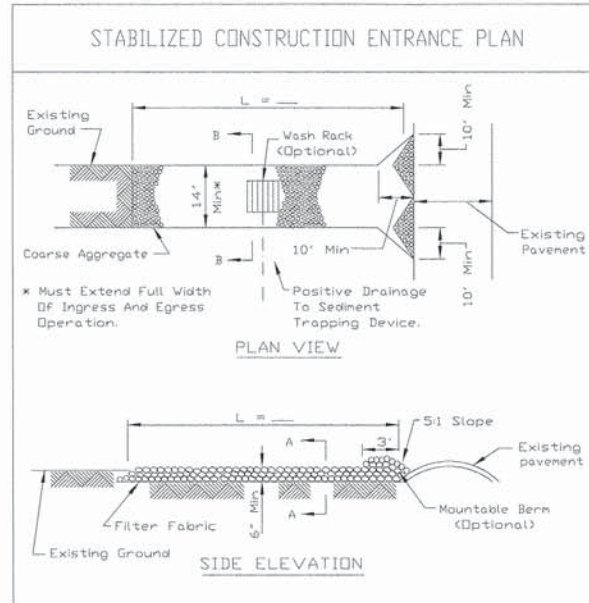
NOTES:  
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.  
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.  
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project	Designed	Date	
Checked	Date		
Approved	Date		



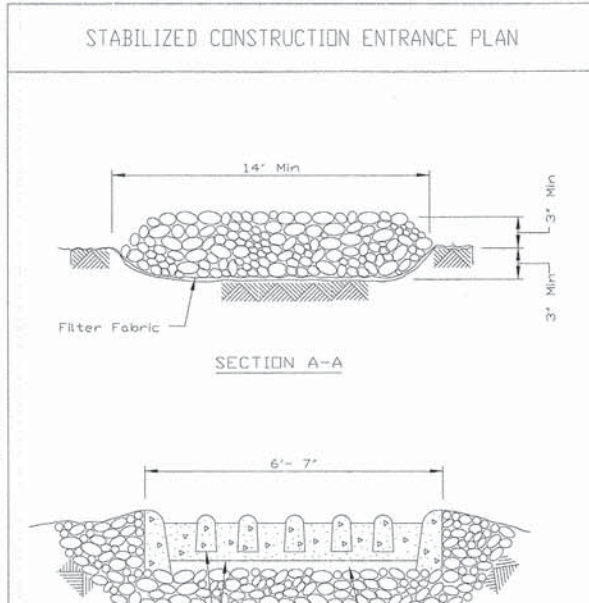
NOTES:  
1. Place the end post of the second fence inside the end post of the first fence.  
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.  
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE Project	Designed	Date	
Checked	Date		
Approved	Date		



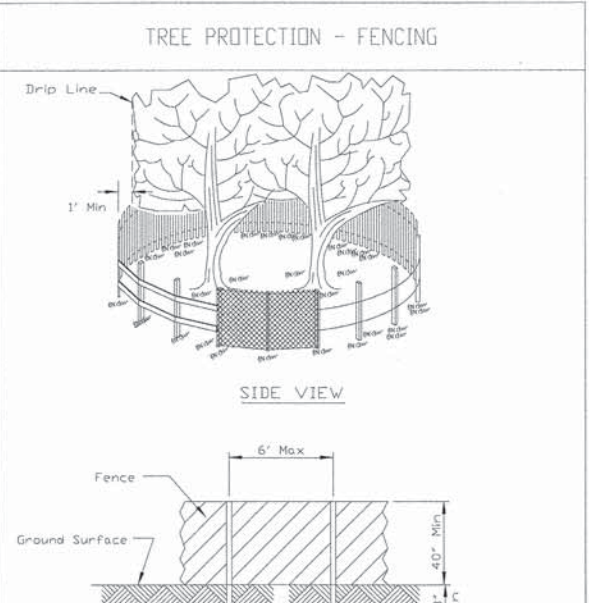
NOTES:  
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.  
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.  
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.  
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project	Designed	Date	
Checked	Date		
Approved	Date		



NOTES:  
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.  
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.  
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.  
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project	Designed	Date	
Checked	Date		
Approved	Date		



NOTES:  
1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.  
2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.  
3. The fence may be either 40\"/>

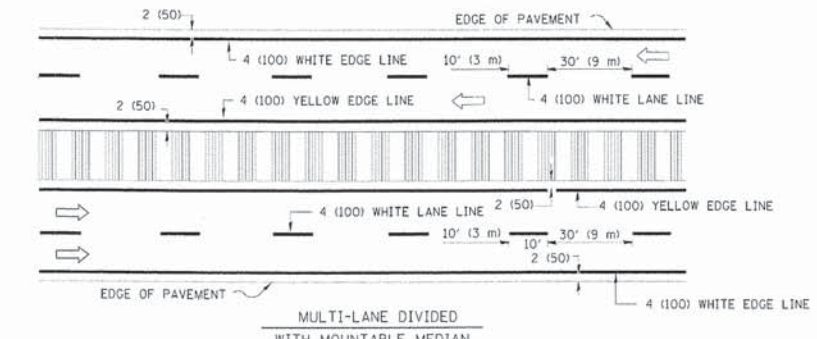
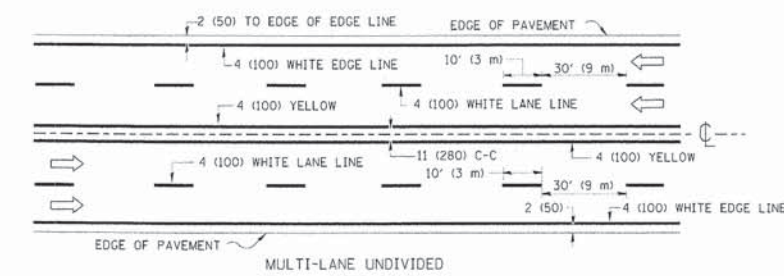
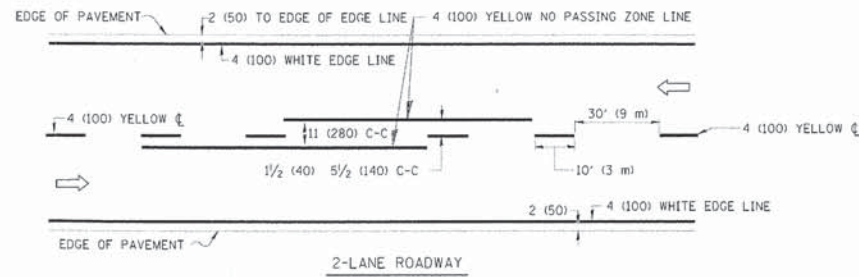
REFERENCE Project	Designed	Date	
Checked	Date		
Approved	Date		

FILE NAME =	USER NAME = esidorozuk	DESIGNED - AMP	REVISED -
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	PLOT SCALE = 1"	CHECKED - MEW	REVISED -
	PLOT DATE = 10/16/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

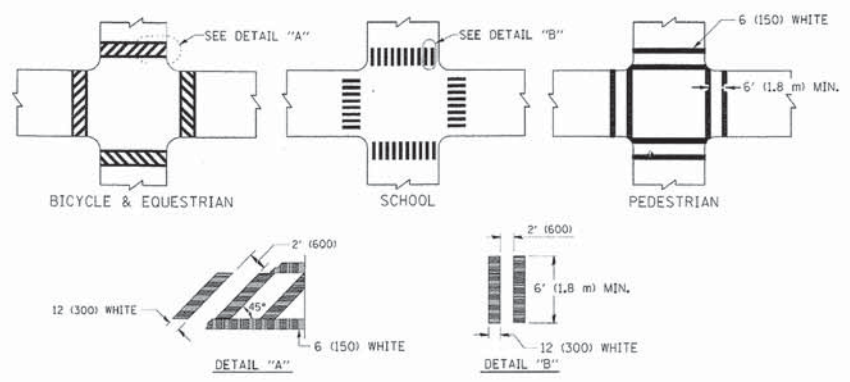
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	29
CONTRACT NO. 61A85				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

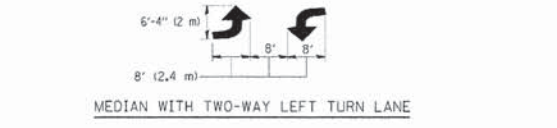
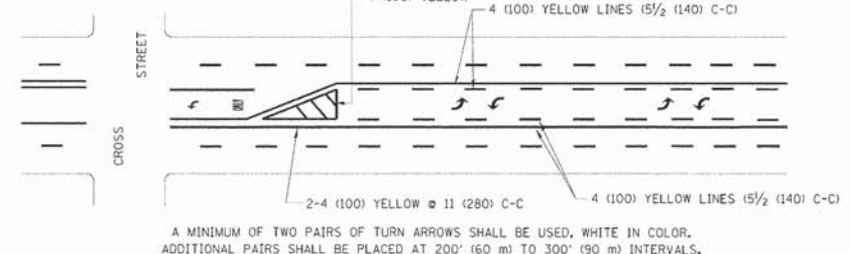
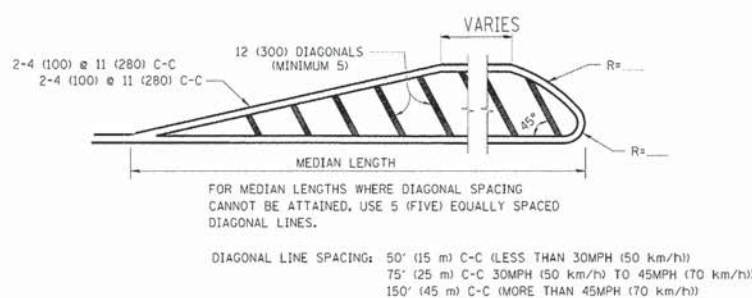
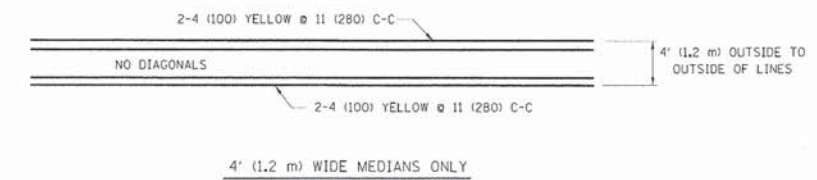


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

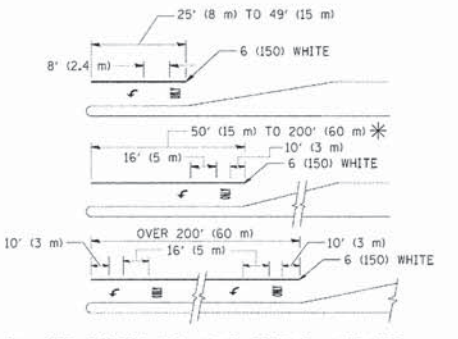
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



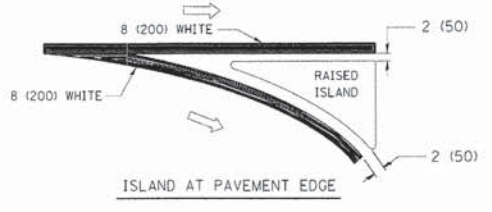
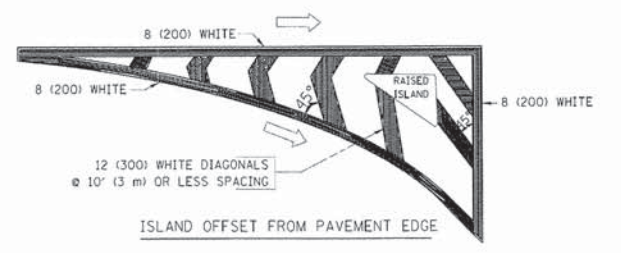
TYPICAL TURN LANE MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

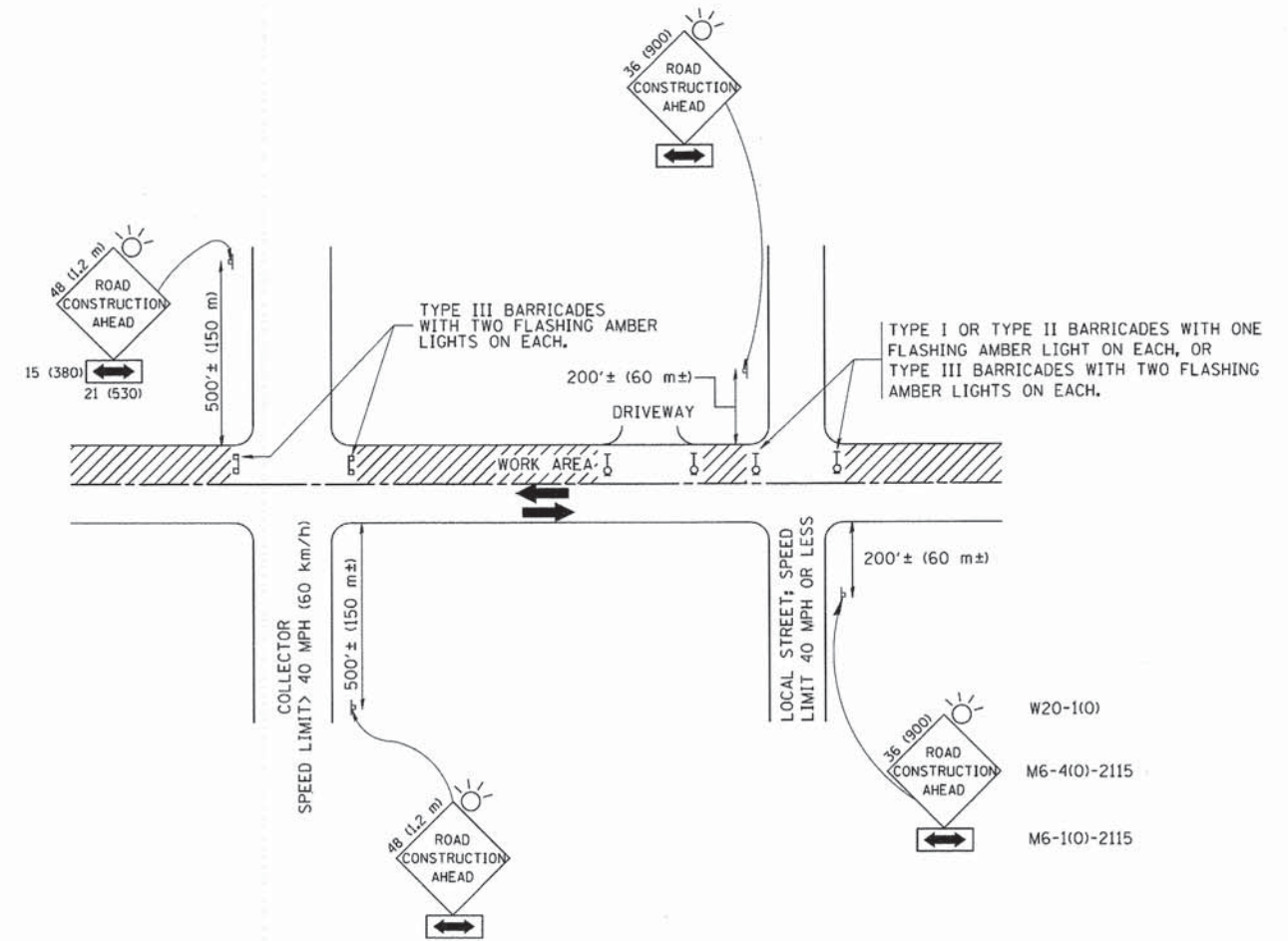


TYPICAL ISLAND MARKING

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

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

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



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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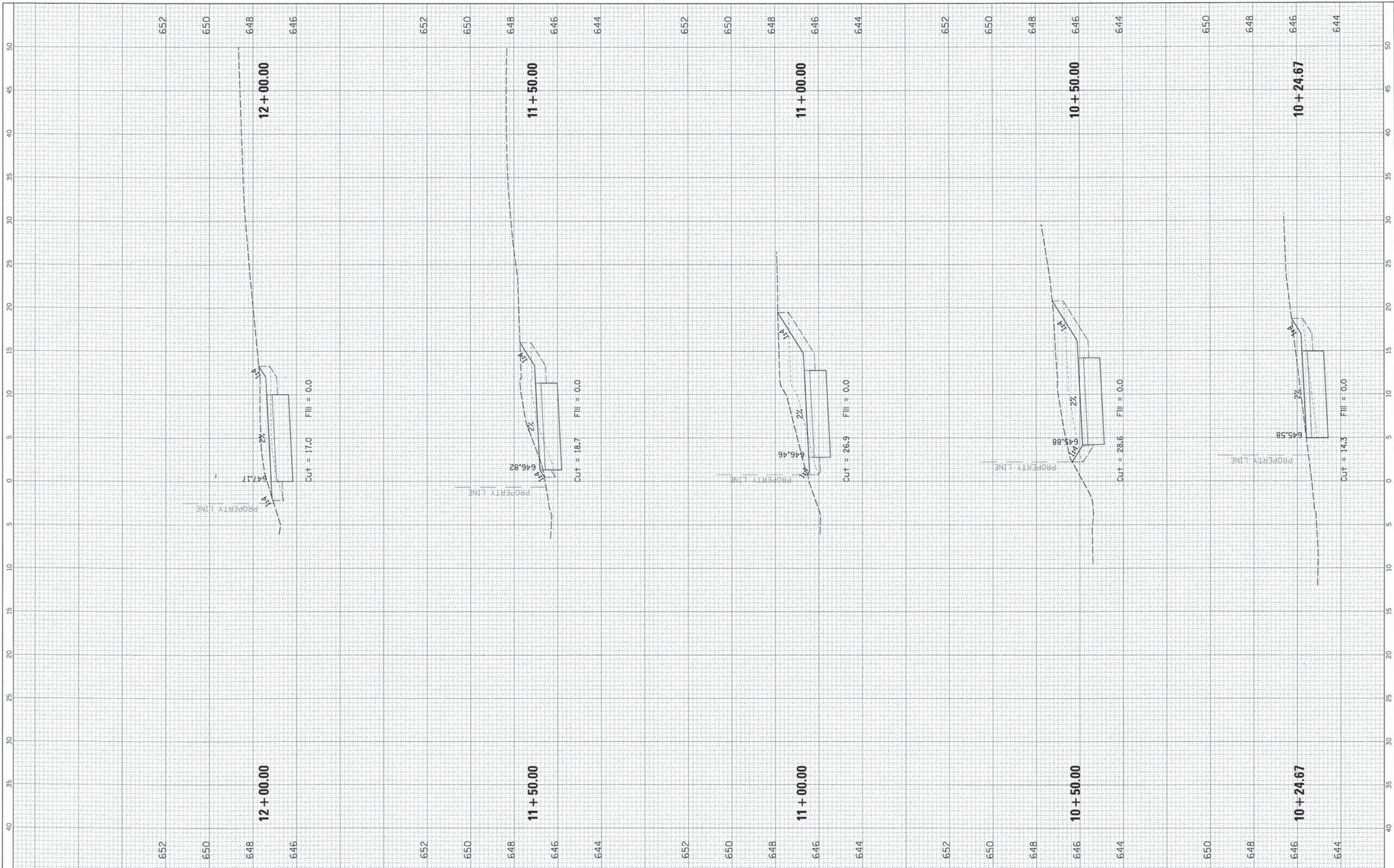
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	13-00084-00-BT	COOK	52	31
TC-10			CONTRACT NO. 61A85	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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AREAS CHECKED	

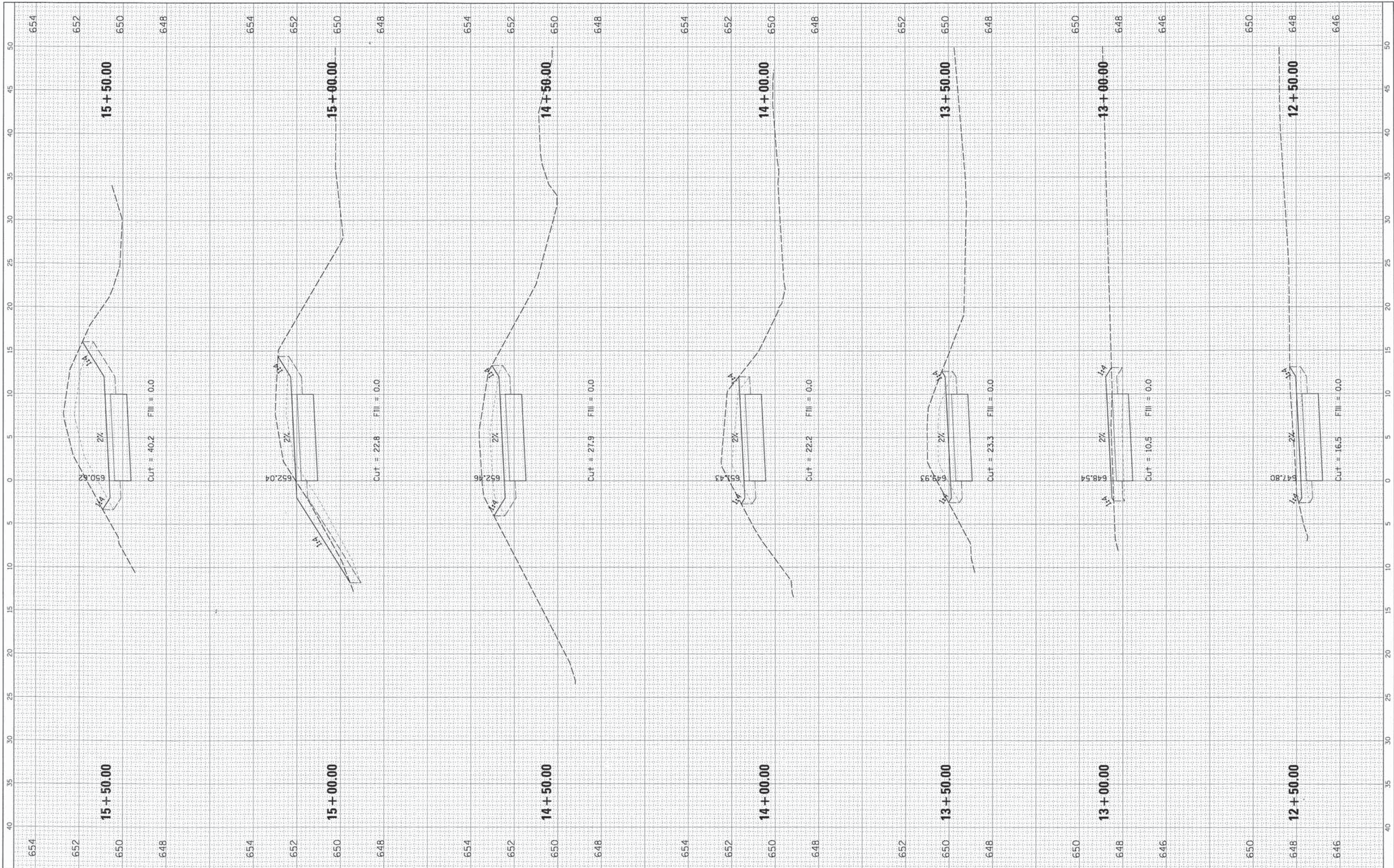


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		DATE -	REVISED -		PLOT DATE = 10/16/2014								
											CONTRACT NO. 61A85		
											[ILLINOIS] FED. AID PROJECT		



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NOTE BOOK		
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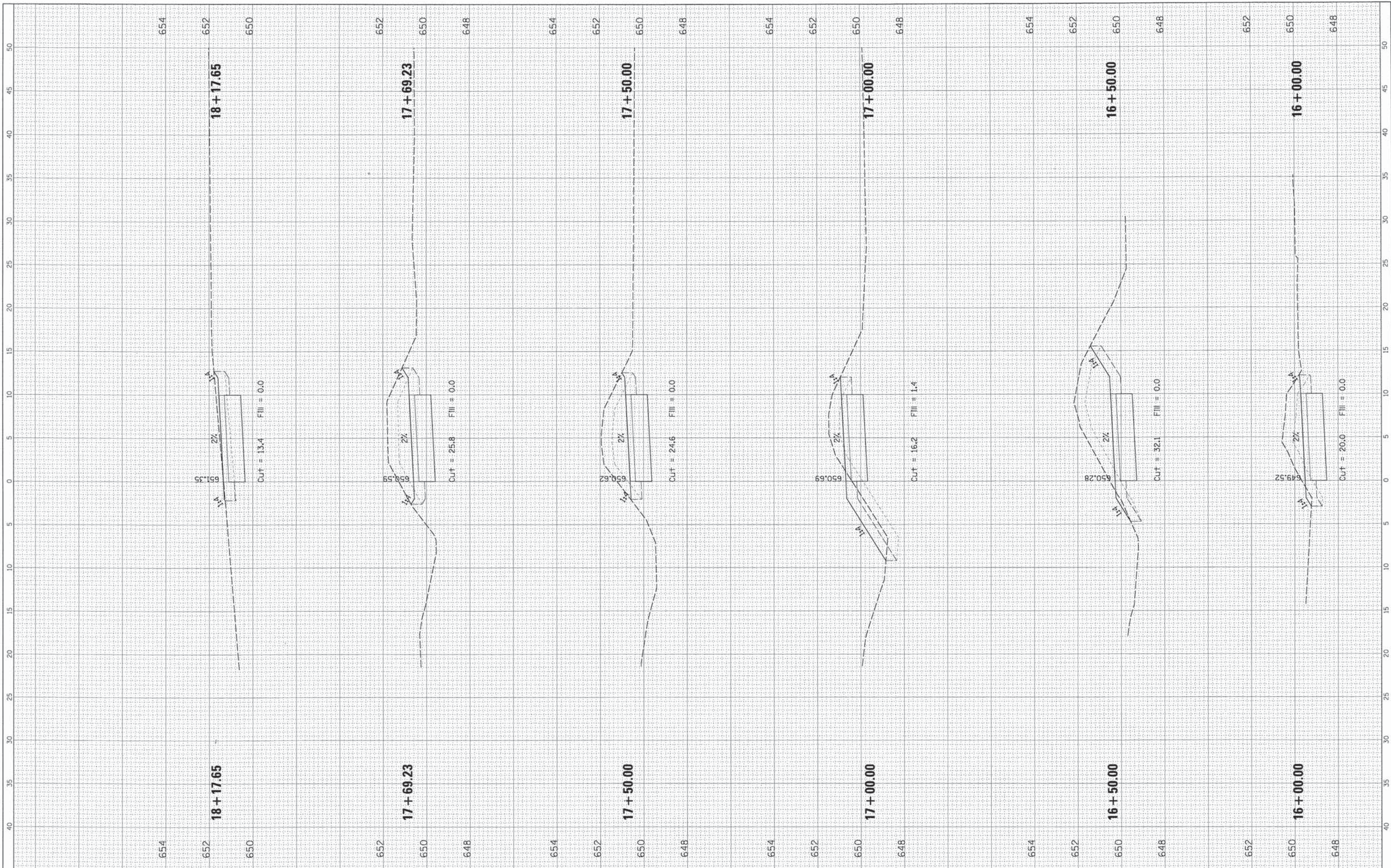
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NOTE BOOK		
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AREAS CHECKED		



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NOTE BOOK	
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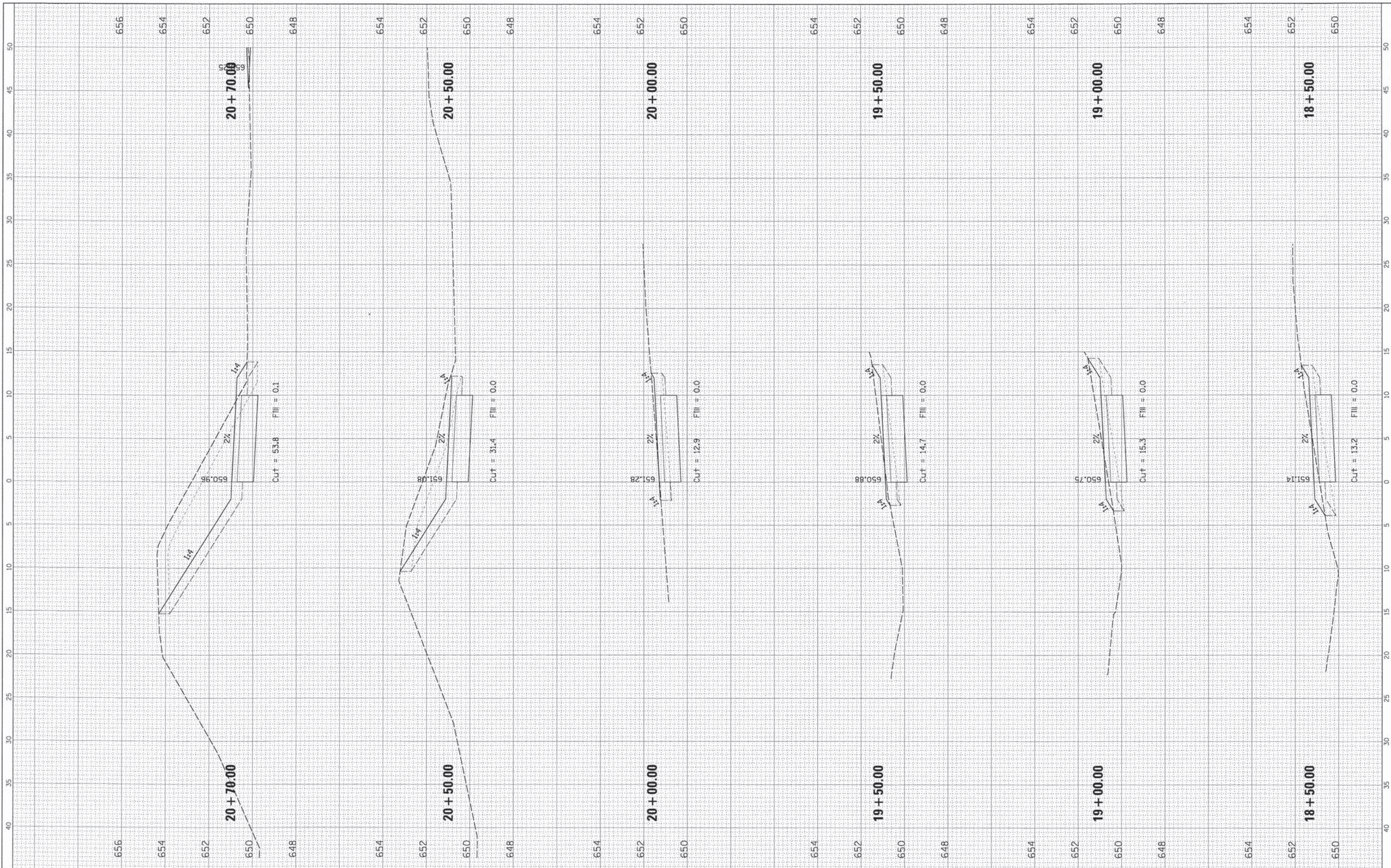
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		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
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ORIGINAL SURVEY	BY	DATE
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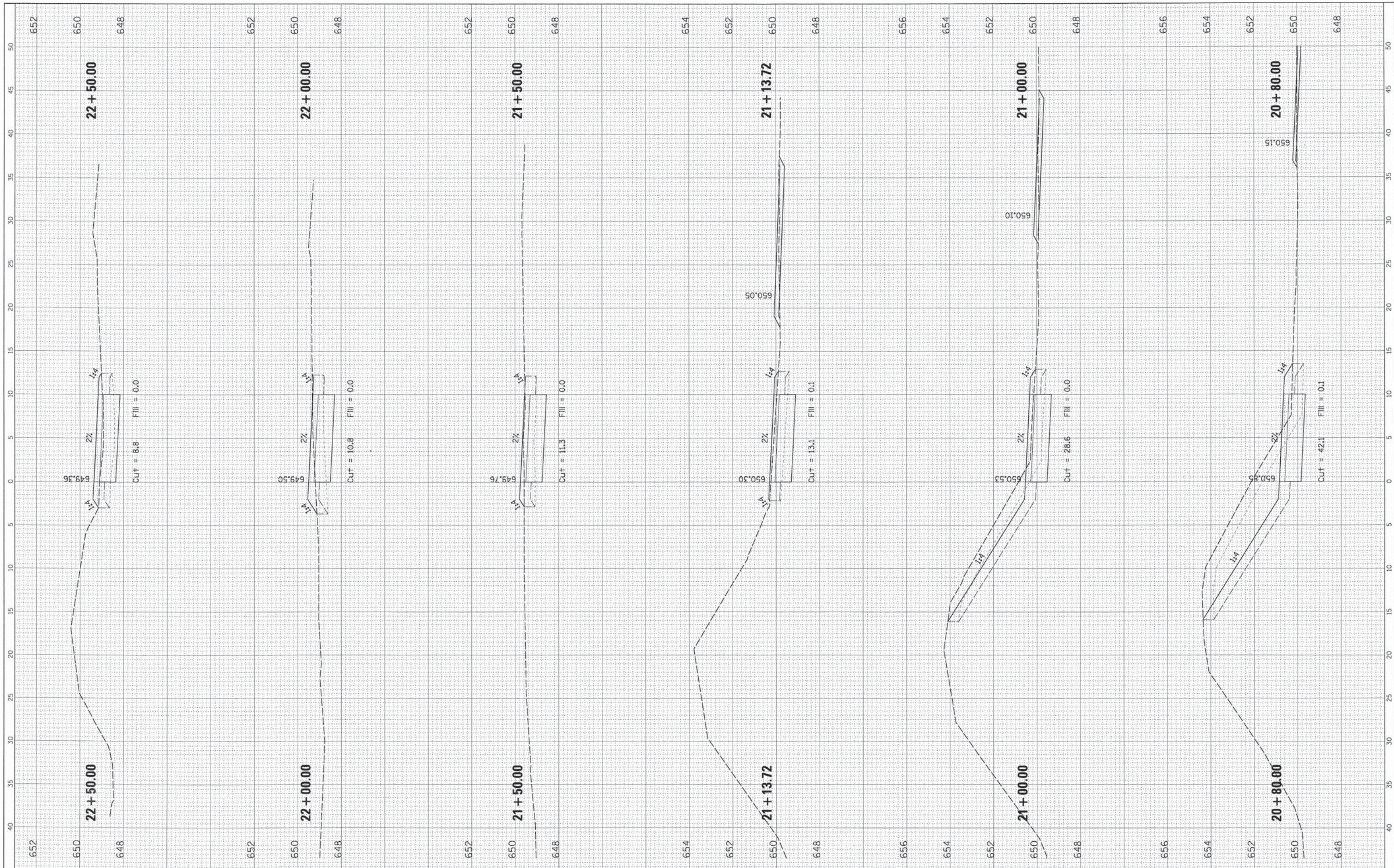
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS GRANT PARK BIKE PATH</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00084-00-BT	COOK	52	35
CONTRACT NO. 61A85			[ILLINOIS] FED. AID PROJECT	

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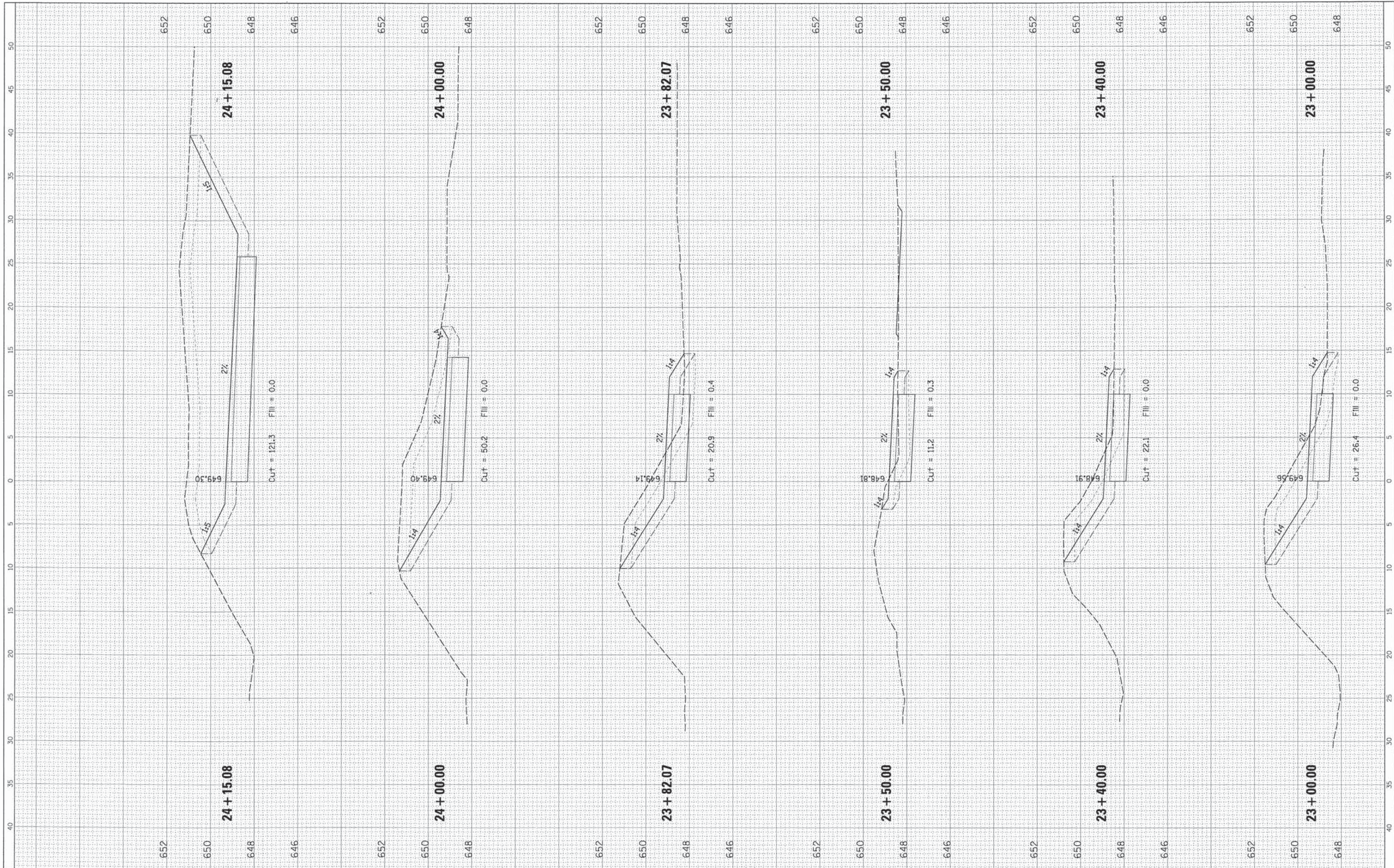
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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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NOTE BOOK	PLOTTED		
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

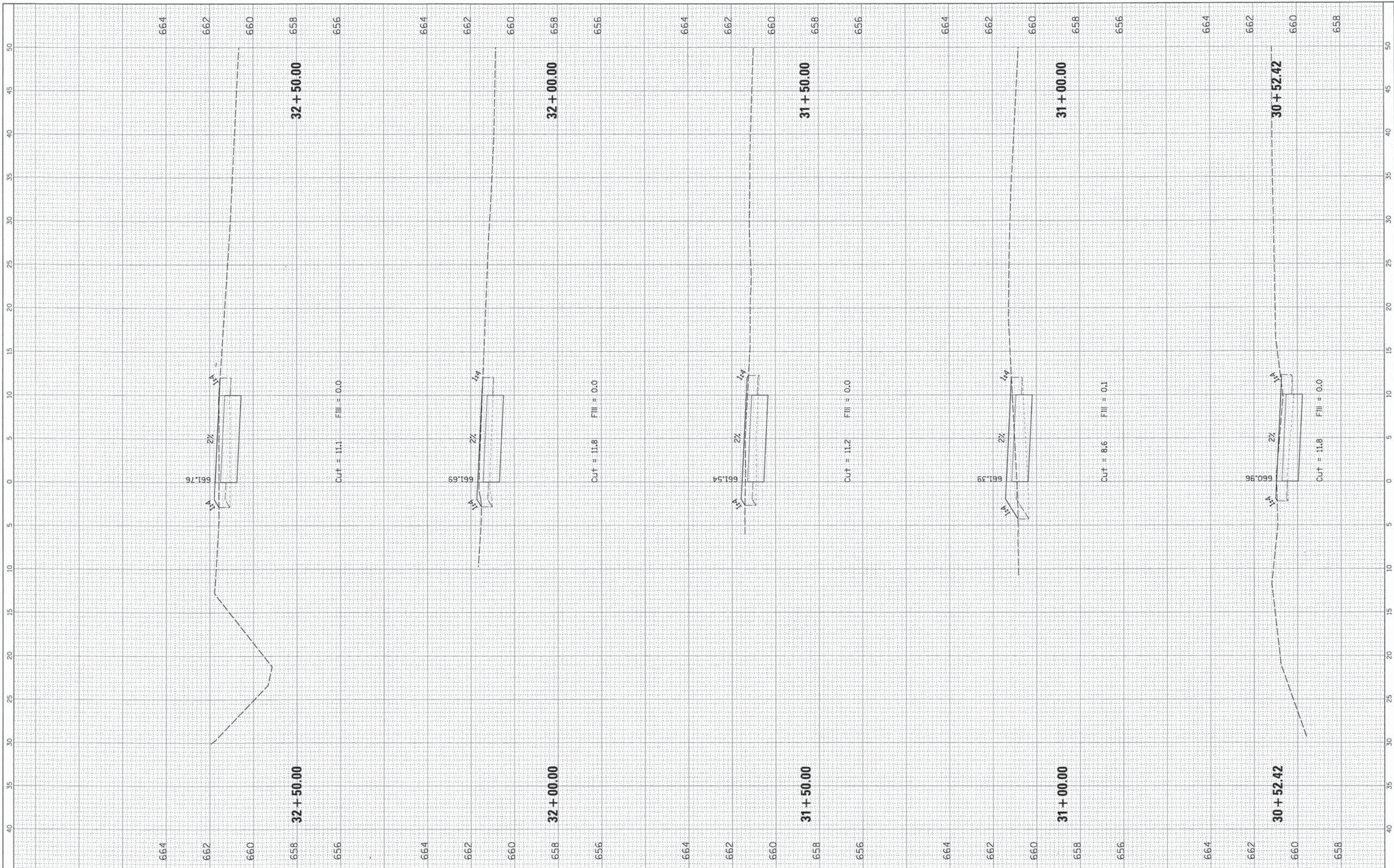
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	13-00084-00-BT	COOK	52	37
				CONTRACT NO. 61A85
[ILLINOIS] FED. AID PROJECT				



FINAL SURVEY	DATE
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NOTE BOOK	
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

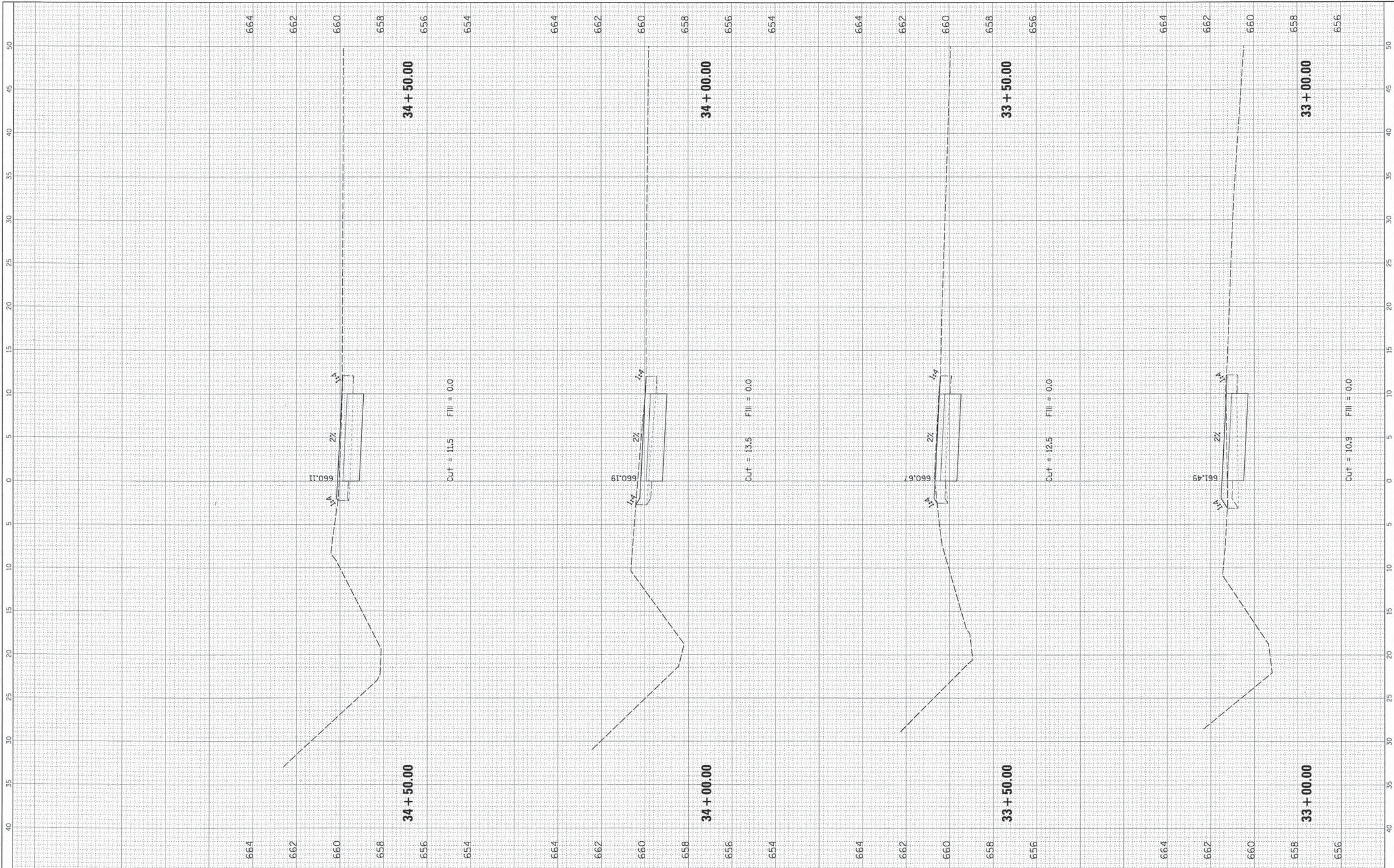
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CROSS SECTIONS  
 KING ARTHUR BIKE PATH

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			CONTRACT NO. 61A85	
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	BY	DATE
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

**CROSS SECTIONS  
 KING ARTHUR BIKE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00084-00-BT	COOK	52	40
CONTRACT NO. 61A85			ILLINOIS FED. AID PROJECT	



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ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLOTTED	BT
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

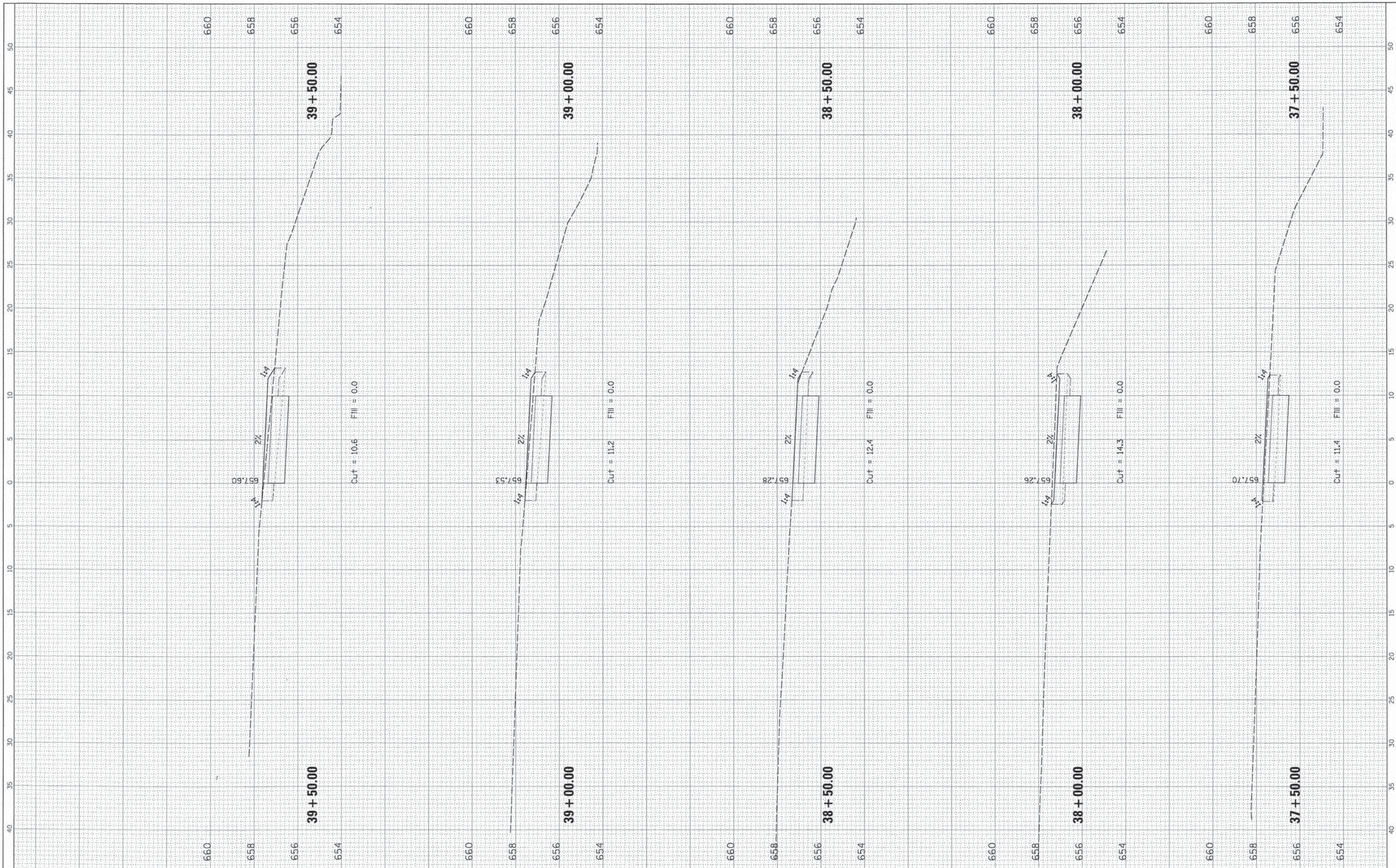
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 KING ARTHUR BIKE PATH**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00084-00-BT	COOK	52	41
			CONTRACT NO. 61A85	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	DATE
SURVEYED	BY
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NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
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NOTE BOOK	
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

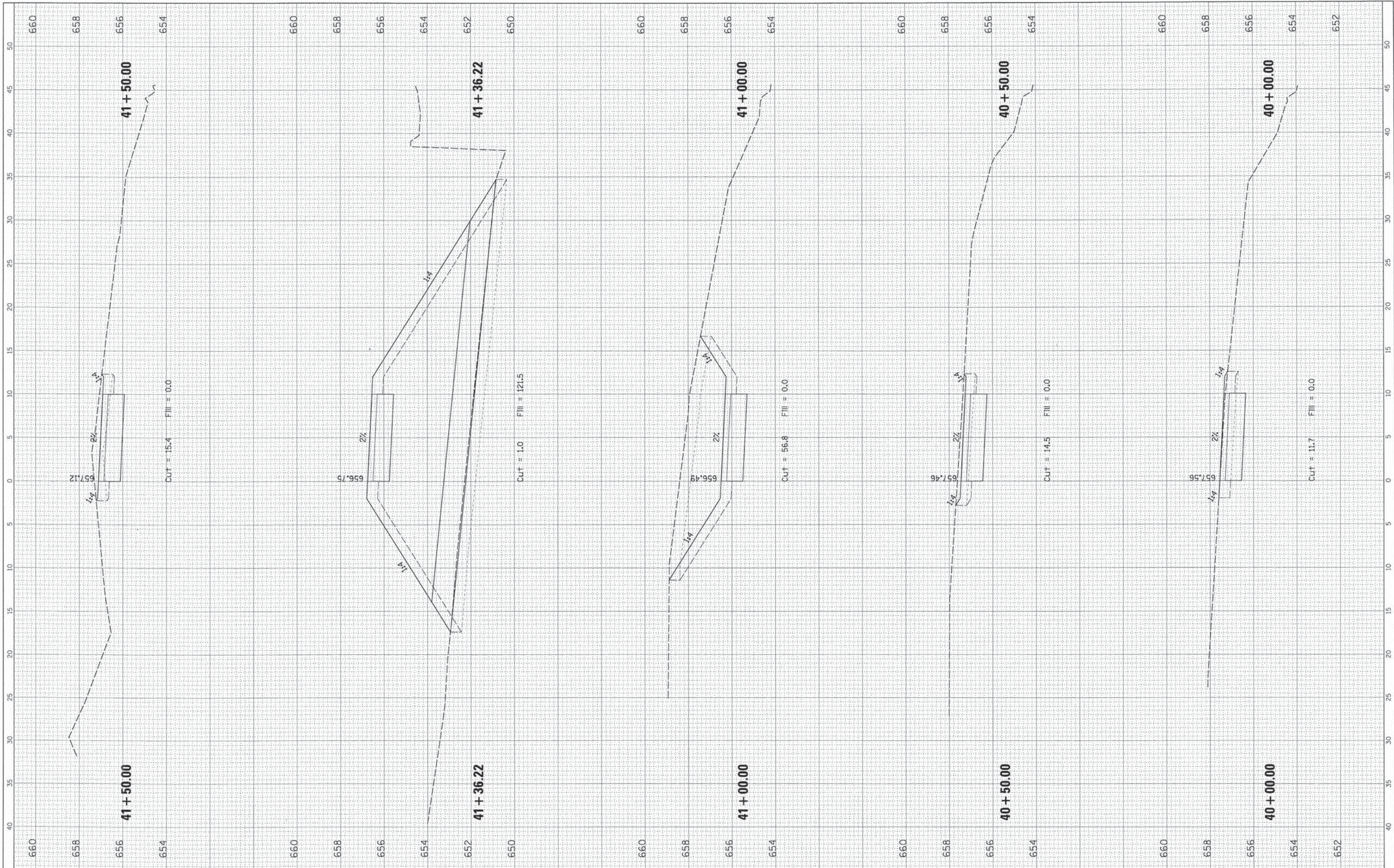
**CROSS SECTIONS**  
**KING ARTHUR BIKE PATH**

SCALE: SHEET OF SHEETS STA. TO STA.

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			CONTRACT NO. 61A85	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SUBMITTED	BY	DATE
NOTE BOOK NO.	PLotted		
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NOTE BOOK NO.	PLotted		
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 KING ARTHUR BIKE PATH**  
 SCALE: SHEET OF SHEETS STA. TO STA.

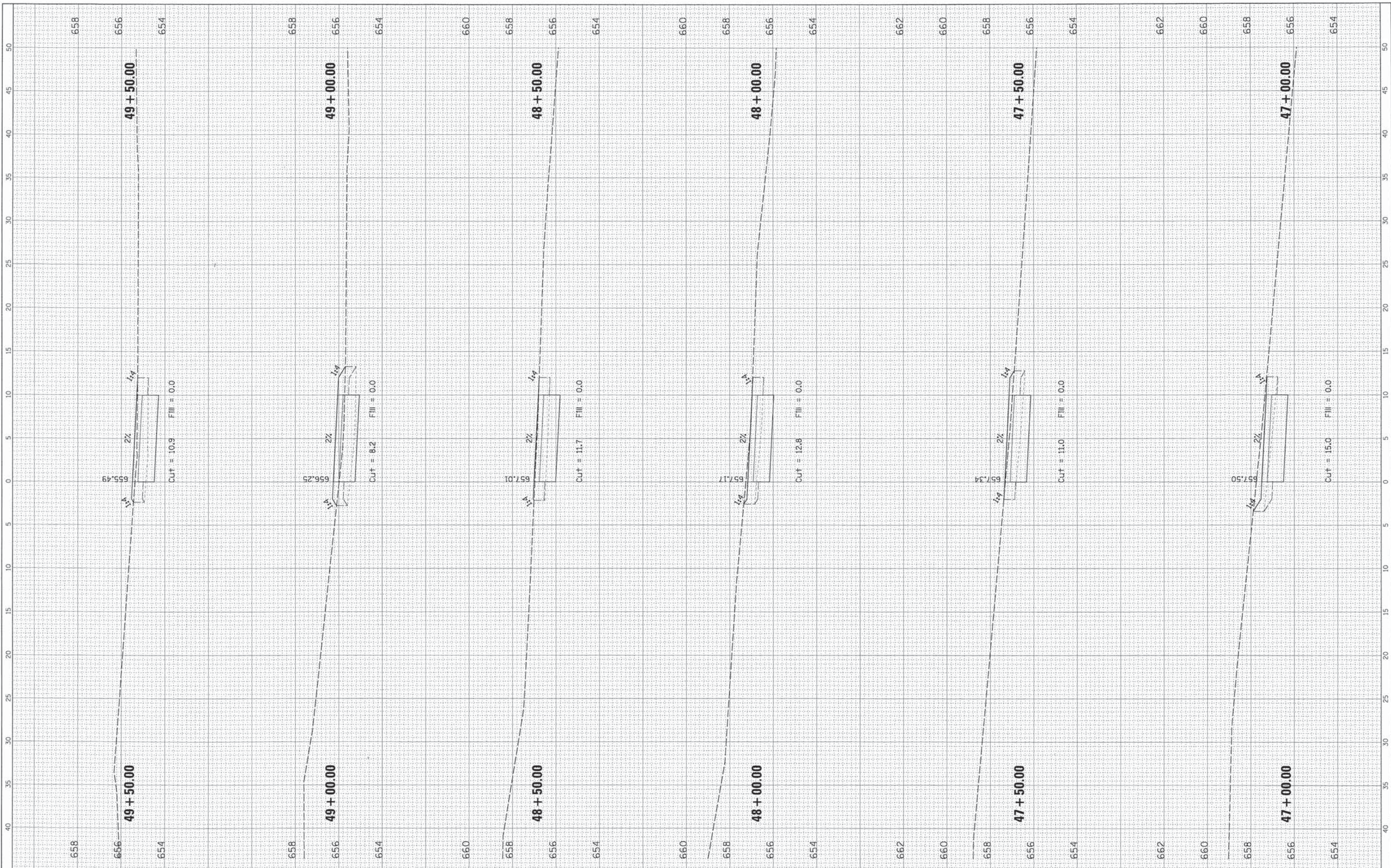
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	13-00084-00-BT	COOK	52	43
CONTRACT NO. 61A85			[ILLINOIS] FED. AID PROJECT	





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

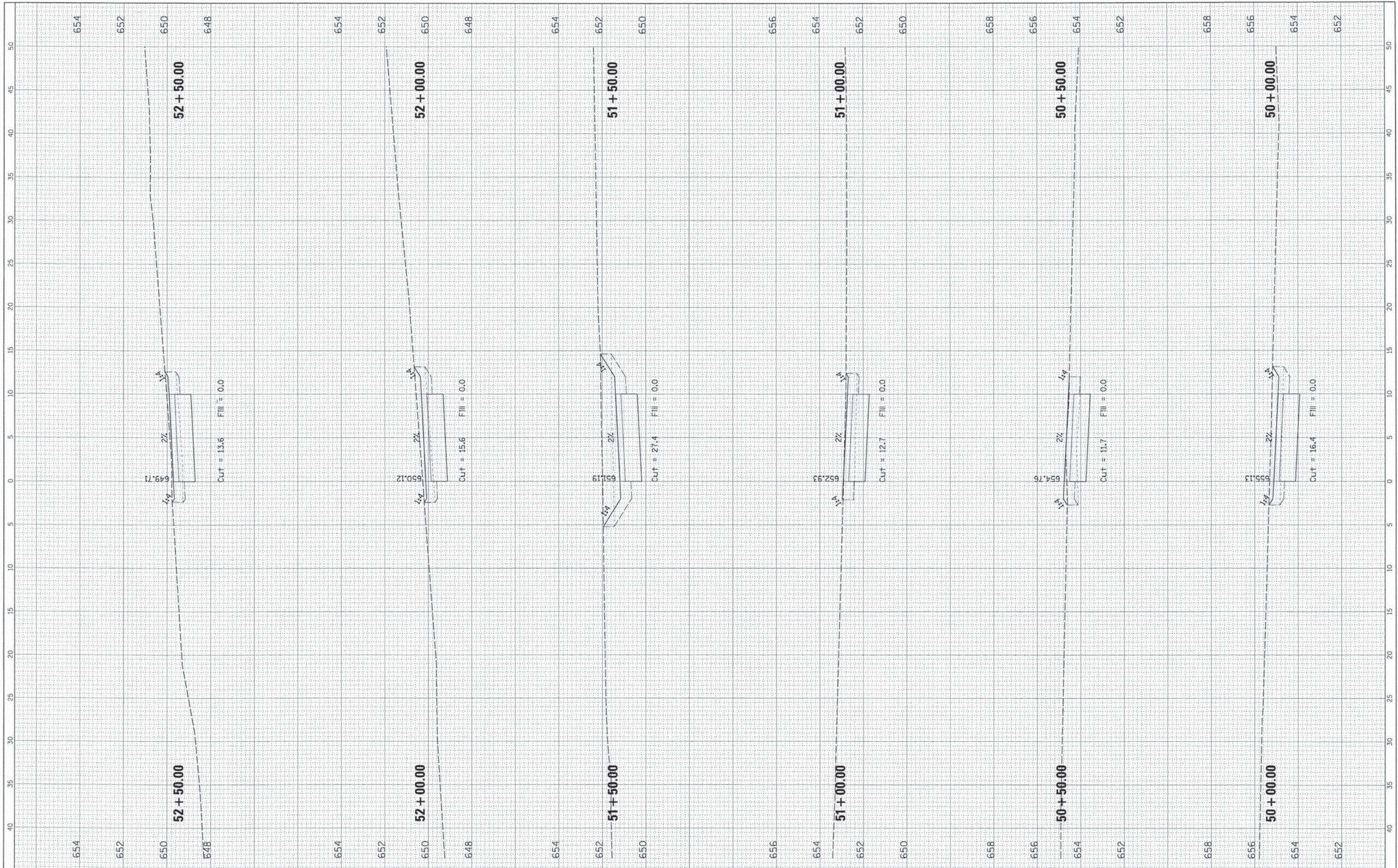
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NOTE BOOK NO.	TEMPLATE AREAS CHECKED		



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		DATE -	REVISED -									[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		



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

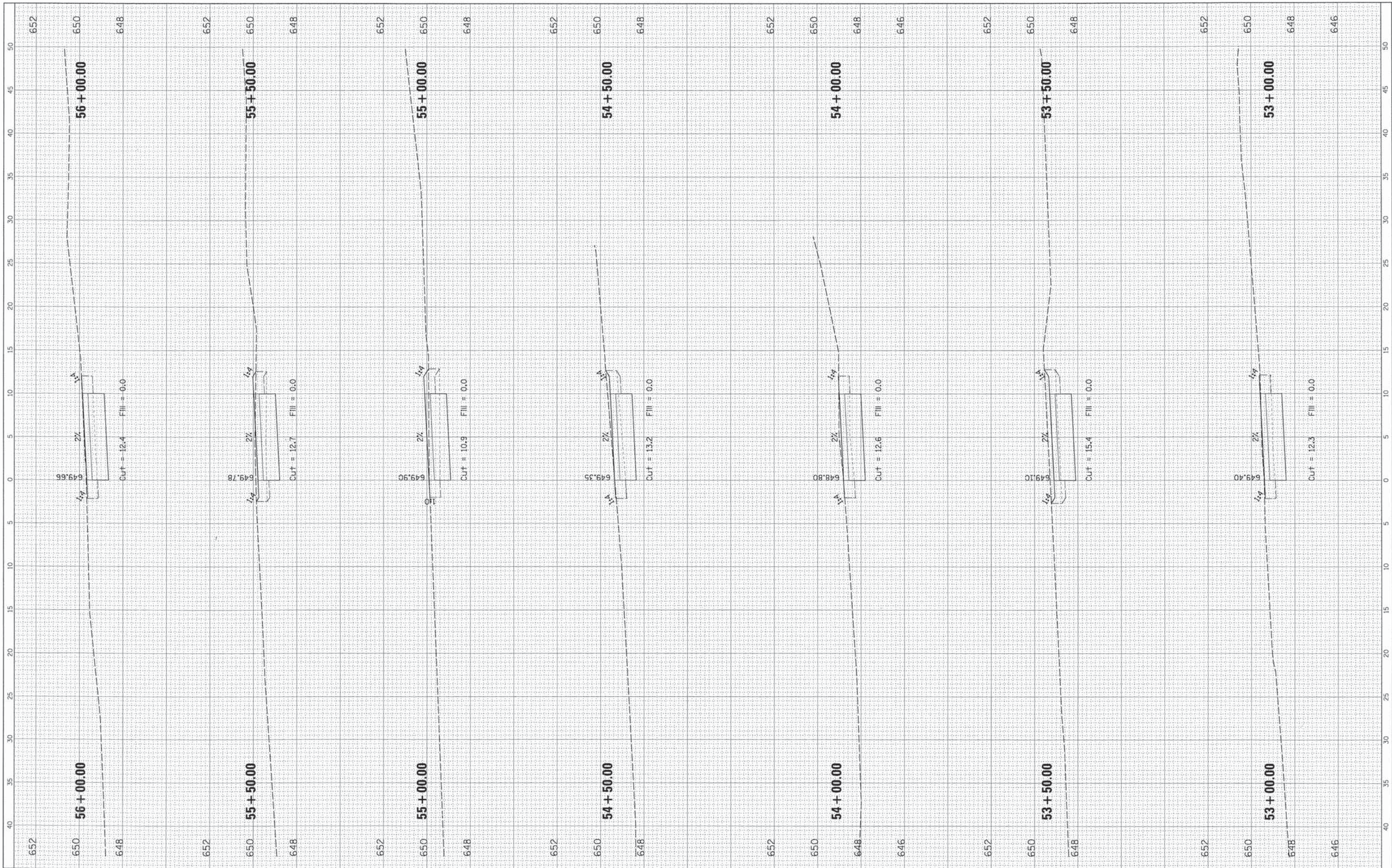
**CROSS SECTIONS  
KING ARTHUR BIKE PATH**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 61A85	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
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ORIGINAL SURVEY	BY	DATE
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

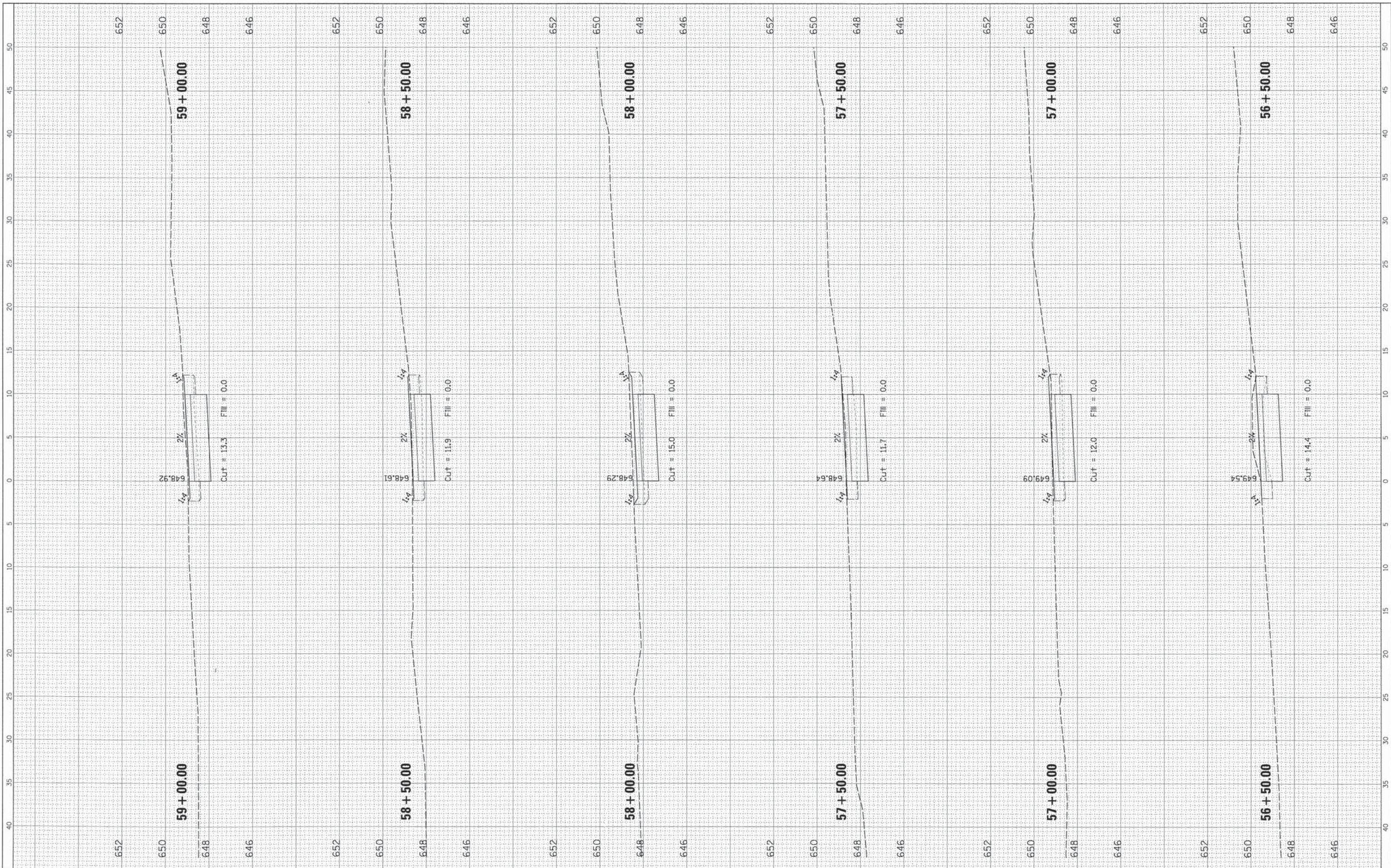
**CROSS SECTIONS  
 KING ARTHUR BIKE PATH**  
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	13-00084-00-BT	COOK	52	48
CONTRACT NO. 61A85				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	NO. _____		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

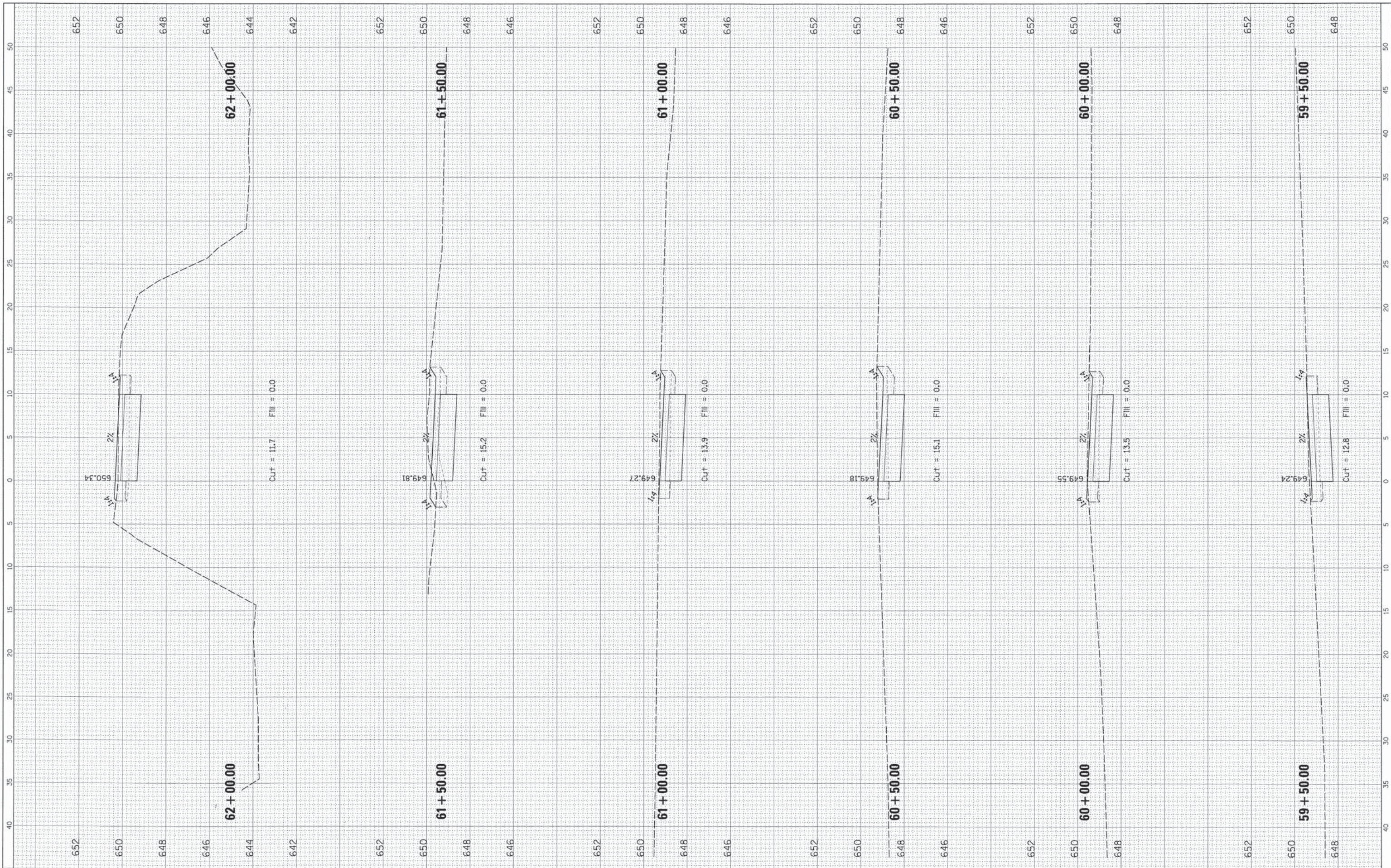
**CROSS SECTIONS  
KING ARTHUR BIKE PATH**

SCALE: SHEET OF SHEETS STA. TO STA.

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	13-00084-00-BT	COOK	52	49
CONTRACT NO. 61A85				
ILLINOIS FED. AID PROJECT				

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



FILE NAME :	USER NAME :	DESIGNED :	REVISED :
N:\NORTHLAKE\9400320C131\Civil\ks_940032d0131k1g.sht	esidorczuk	-	-
Default	PLOT SCALE = 5'	CHECKED :	REVISED :
	PLOT DATE = 10/16/2014	DATE :	REVISED :

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

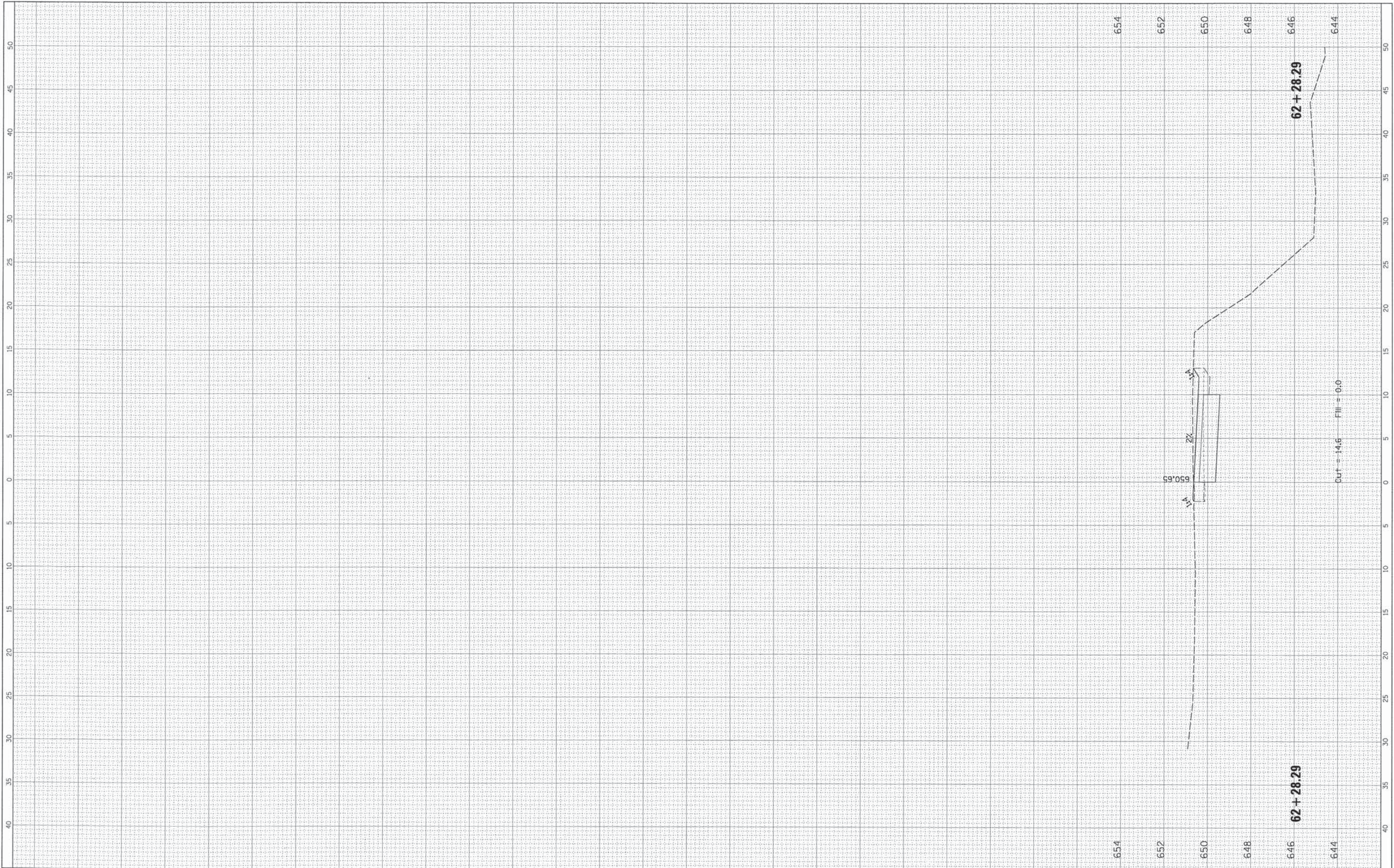
**CROSS SECTIONS  
KING ARTHUR BIKE PATH**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00084-00-BT	COOK	52	50
			CONTRACT NO. 61A85	
			[ILLINOIS] FED. AID PROJECT	

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

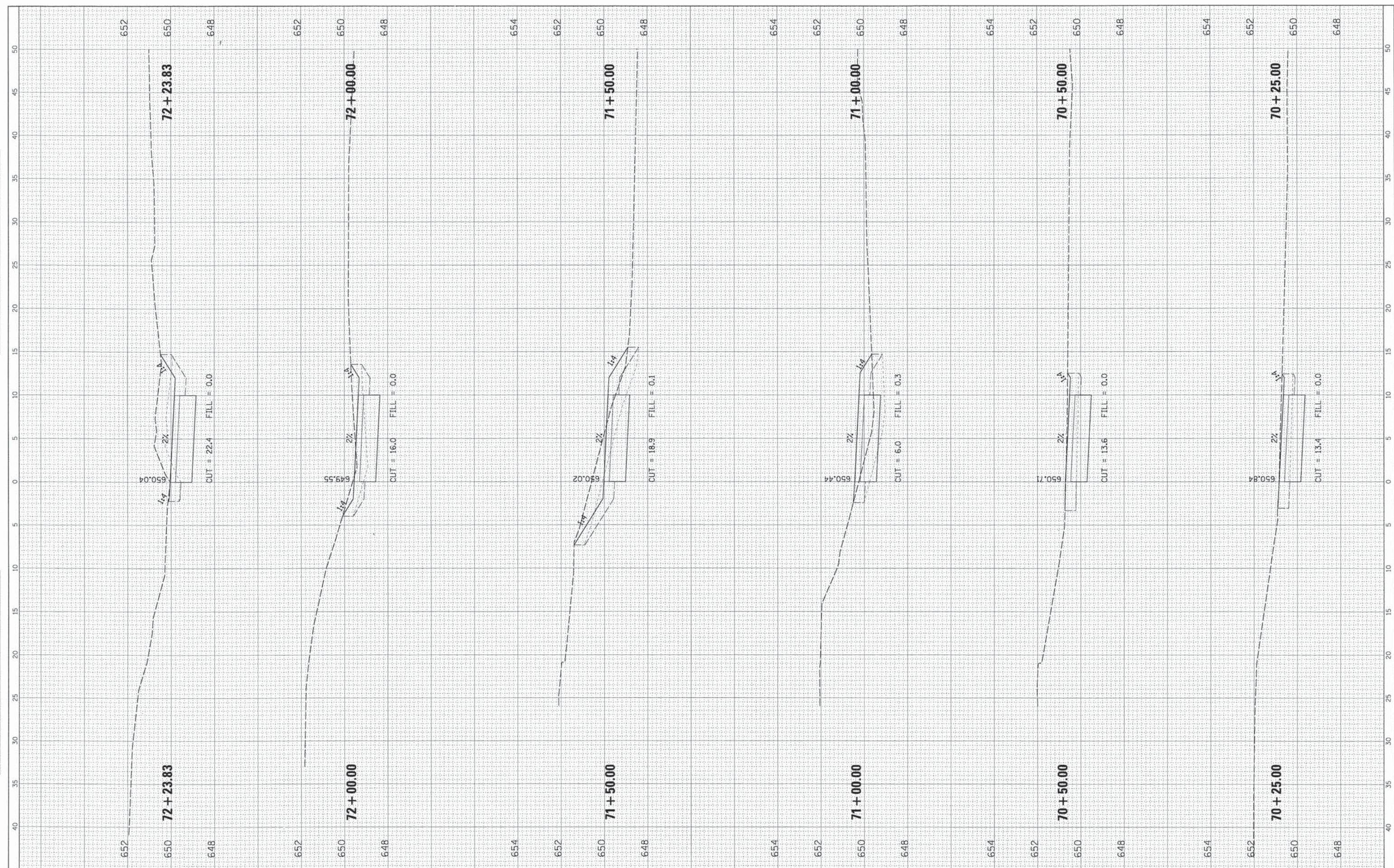
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	TEMPERATURE		
AREAS CHECKED			
NO.			



FILE NAME =	USER NAME = esidorczuk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS KING ARTHUR BIKE PATH</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\NORTH LAKE\9480320C131\Civil\ss_9480320c131.dwg		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	13-00084-00-BT	COOK	52	51
Defaults		CHECKED -	REVISED -											
		DATE - 10/16/2014	REVISED -											CONTRACT NO. 61A85
											ILLINOIS FED. AID PROJECT			

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

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



FILE NAME =	USER NAME = esidorozuk
N:\NORTHLAKE\940832DC131\Civil\ks_940832dc131st1.sht	DESIGNED -
Default	DRAWN -
	CHECKED -
	DATE - 18/16/2014

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
BIKE PATH**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	52	52
CONTRACT NO. 61A25				
ILLINOIS FED. AID PROJECT				