

GLOBETROTTERS ENGINEERING CORP.: DAVID SICKLER (312) 697-3539

FIELD ENGINEER: MELCHOR MANGOBA (847) 705-4408

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	1

CONTRACT NO. 63170

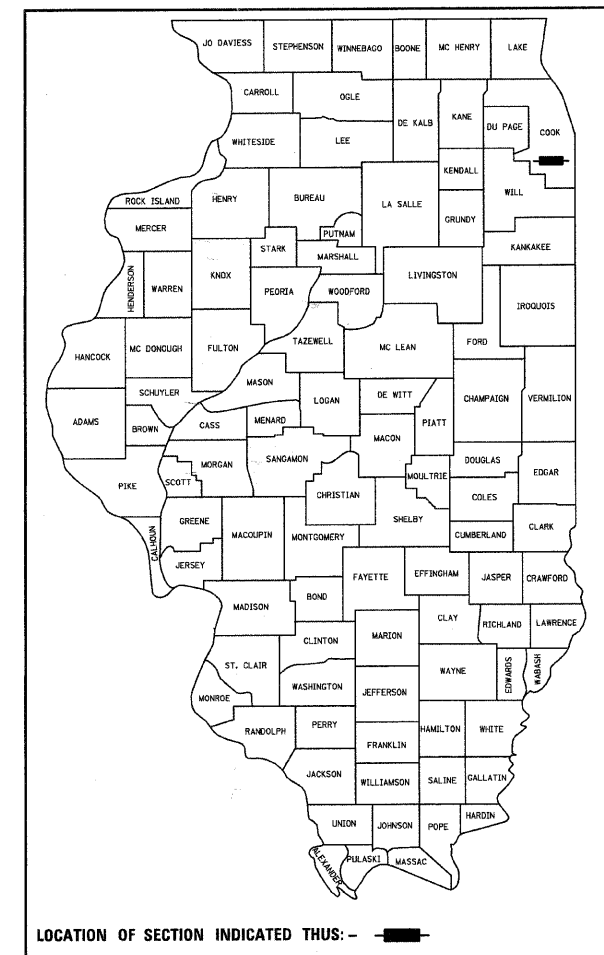
24+2=26

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

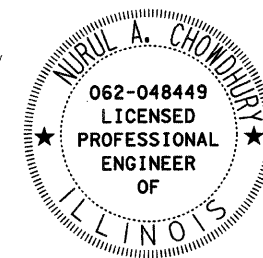
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**VILLAGE OF HAZEL CREST  
SECTION 06-00069-00-BT  
KEDZIE AVENUE TO ROCKWELL AVENUE  
PROJECT TE-00D1(752)  
COOK COUNTY  
C-91-115-09**

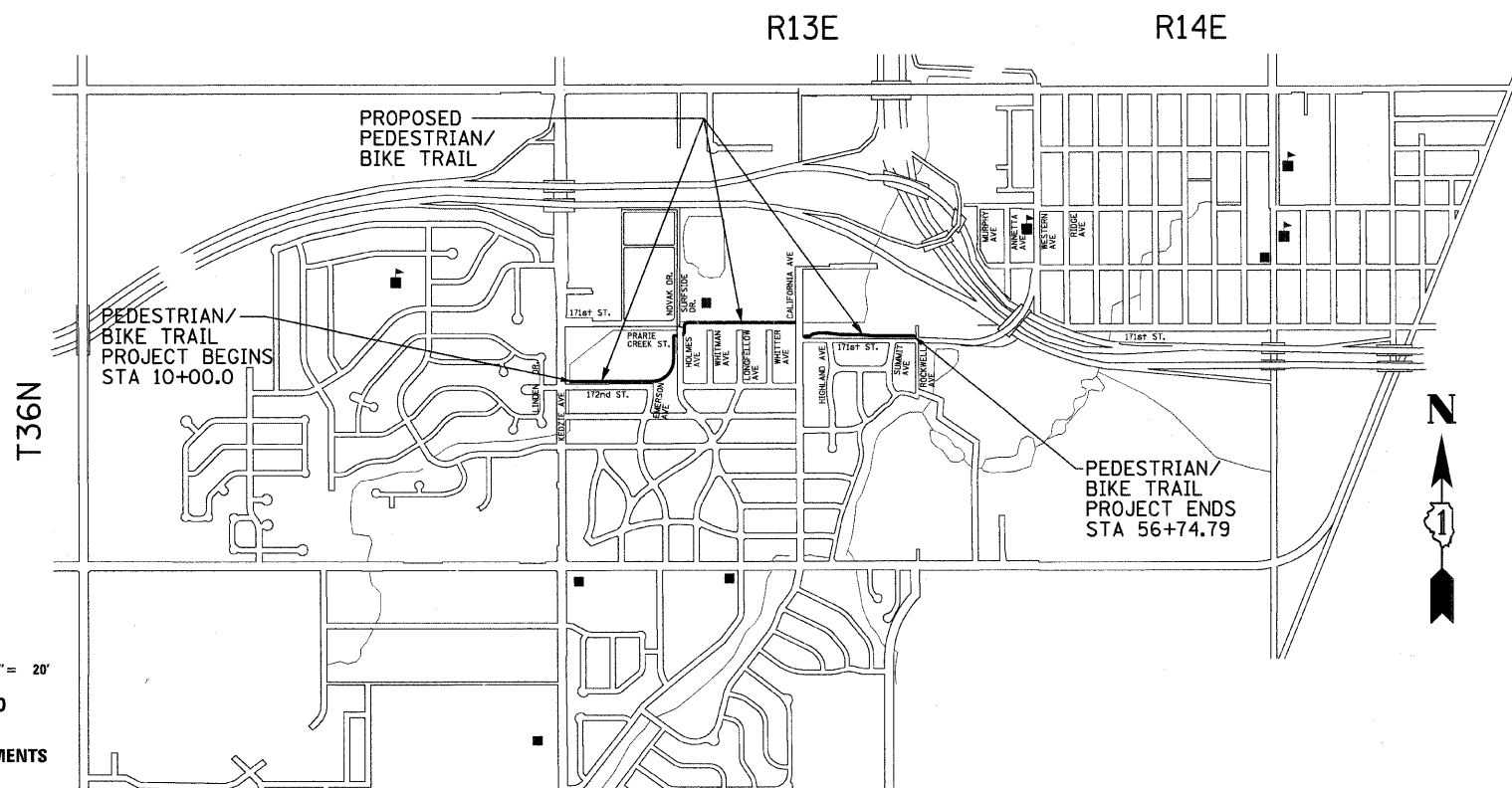
SHEET NO.	SHEET NAME
1	COVER
2	GENERAL NOTES & LIST OF STANDARDS
3	SUMMARY OF QUANTITIES
4	PROPOSED TYPICAL CROSS SECTIONS
5	ALIGNMENT PLAN & BENCH MARKS
6	TIE PLAN & DETAILS
7-11	PLAN & PROFILE PLANS
12-13	REMOVAL ITEMS, PROPOSED SIGNS & PAVEMENT MARKINGS
14	DETAILS
15-24	CROSS SECTIONS



LOCATION OF SECTION INDICATED THIS: -



Nirul A. Chowdhury  
SIGNATURE  
3-16-09  
DATE  
LICENSE EXPIRES 11-30-2009

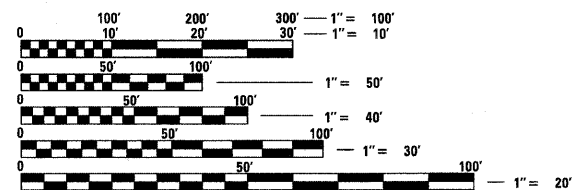


BREMEN TOWNSHIP  
**LOCATION MAP**

N.T.S.

GROSS LENGTH OF PROJECT = 4,674.79 FT = 0.885 MILE  
NET LENGTH OF PROJECT = 4,006.14 FT = 0.759 MILE

PROJECT LOCATED IN  
VILLAGE OF HAZEL CREST



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. 63170**

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS</b>	
Approved _____	DATE 4/3/2009
Robert J. Malden Mayor Village President, Village of Hazel Crest	
Passed _____	DATE
APRIL 7, 2009 District #1 Engineer of Local Roads & Streets	
Releasing for Bid Based on Limited Review _____	DATE
APRIL 7, 2009 Deputy Director of Highways, Region #1 Engineer	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		

LIST OF IDOT STANDARDS


STANDARD NO.	NAME OF STANDARD
000001-05	STANDARD SYMBOLS
424001-05	CURB RAMPS FOR SIDEWALKS
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-08	STEEL PLATE BEAM GUARDRAIL
664001-02	CHAIN LINK FENCE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

- THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007" AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET INCLUDED IN THE CONTRACT'S SPECIFICATIONS, WHICH APPLY TO AND GOVERN THE CONSTRUCTION OF SECTION NO. 06-00069-00-BT.
- THE TERM "VILLAGE" IS USED HEREIN IN REFERENCE TO NOTIFICATION(S) BY OR PERMIT(S)/PERMISSION(S) TO BE OBTAINED BY THE CONTRACTOR SHALL MEAN THE MUNICIPAL OFFICIAL DULY DESIGNATED BY THE VILLAGE BOARD FOR THE PURPOSE. THE CONTRACTOR SHALL CONTACT THE VILLAGE MANAGER'S OFFICE AT (708) 335-9600 TO GET THE NAME(S) AND CONTACT INFORMATION OF SUCH DESIGNATED OFFICIALS/STAFF.
- A MINIMUM OF TWO (2) WORKING DAYS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES STAKED OR OTHERWISE MARKED AT THE SITE
- IF AND WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED BY PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS OR CATCH BASINS, AND PROVIDE ADEQUATE FACILITIES TO TAKE IN ALL STORM WATER INCLUDING PUMPING AND A TEMPORARY OUTLET, IF NECESSARY. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL UTILITIES AND THE ASSOCIATED DATA SHOWN ON THE PLANS ARE FROM THE AVAILABLE RECORDS AND REPRESENT THE BEST AVAILABLE INFORMATION. HOWEVER, THEIR ACCURACY OR COMPLETENESS IS NOT GUARANTEED. IT SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY TO CONTACT JULIE (1-800-892-0123) AND VARIOUS UTILITY FIRMS AND/OR ORGANIZATIONS HAVING FACILITIES AT THE SITE TO DETERMINE THEIR ACTUAL LOCATIONS, AND OTHER DETAILS, AND DETERMINE WHETHER THEY ARE IN CONFLICT WITH THE PROPOSED WORK. THE CONTRACTOR SHALL BRING ALL SUCH CONFLICTS TO THE ENGINEER'S ATTENTION AND SHALL NOT PROCEED WITH THE PORTION OF THE WORK IN CONFLICT UNTIL THE RESOLUTION OF THE CONFLICT(S) AND THE AUTHORIZATION TO PROCEED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS, WHETHER OR NOT SUCH UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY DAMAGED DURING CONSTRUCTION, SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE RESPECTIVE UTILITY, BY THE CONTRACTOR WITHOUT ANY ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL MAKE EVERY POSSIBLE EFFORT TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING EXISTING MANHOLES, CATCH BASINS, INLETS OR DRAINAGE DITCHES. ANY SUCH DEBRIS, DETERMINED BY THE VILLAGE TO BE PRESENT IN SUCH STRUCTURES DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE PROMPTLY REMOVED AND DISPOSED OFF BY THE CONTRACTOR TO THE VILLAGE'S SATISFACTION AT NO ADDITIONAL COMPENSATION.
- ALL REMOVAL OF CURB AND GUTTER, SIDEWALK, DRIVEWAYS AND PAVEMENT ETC. SHALL BE BY SAWCUTTING TO ENSURE A CLEAN REMOVAL WITHOUT DAMAGING OR GAUGING THE PORTION(S) TO REMAIN. ALL SUCH DAMAGE OR GAUGING SHALL BE REPAIRED BY THE CONTRACTOR TO THE VILLAGE'S SATISFACTION WITHOUT ANY ADDITIONAL COMPESATION. THE SAWCUTTING SHALL NOT BE COMPENSATED FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE REMOVAL OF THE ITEM INVOLVED.
- THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE ACCESS TO ALL PROPERTIES ADJACENT TO THE PROPOSED IMPROVEMENT. THE COST OF THIS WORK SHALL NOT BE COMPENSATED FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS REMOVAL ITEMS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROVISIONS FOR PEDESTRIAN TRAFFIC THROUGH THE CONSTRUCTION AREA AT ALL TIMES AND SEEK THE VILLAGE'S PERMISSION FOR ANY UNAVOIDABLE OBSTRUCTION(S) TO SUCH TRAFFIC.
- LOCAL ACCESS ON ALL SECONDARY STREETS MUST BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR WHEN CONSTRUCTION IS NOT TAKING PLACE AT SUCH LOCATION. ALL TRAFFIC OBSTRUCTIONS TO SUCH STREETS SHALL BE REMOVED ON WEEKENDS, HOLIDAYS AND OVERNIGHT, UNLESS SPECIFICALLY AND EXPLICITLY PERMITTED BY THE VILLAGE.
- REMOVAL AND STABILIZATION OF UNSTABLE MATERIAL: THIS WORK, IF REQUIRED, SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION TITLED "POROUS GRANULAR EMBANKMENT", SUBGRADE INCLUDED IN THE CONTRACT, SUBJECT TO THE FOLLOWING: "POROUS GRANULAR EMBANKMENT, SUBGRADE" (PGES) HAS BEEN PROVIDED FOR THE USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE MATERIAL IS NOT ENCOUNTERED AT THE SITE, THEN THE QUANTITY OF THIS ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO COMPENSATION FOR THIS ITEM WILL BE DUE TO THE CONTRACTOR.

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CIVIL / STRUCTURAL ENGINEERS

 GLOBETROTTERS INTERNATIONAL.  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

GENERAL NOTES & LIST OF STANDARDS  
PEDESTRIAN / BIKE TRAIL  
HAZEL CREST, IL  
SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
HORIZ. N/A  
DATE 01/14/09

DRAWN BY L.S.  
CHECKED BY D.W.S.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		

ITEM NO.	DESCRIPTION	UNIT	YO47 QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	18
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	38
20200100	EARTH EXCAVATION	CU YD	2140
21101615	TOPSOIL, FURNISH AND PLACE 4"	SQ YD	3900
25000115	SEEDING, CLASS 1B	ACRE	0.8
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	100
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	100
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	100
25200200	SUPPLEMENTAL WATERING	UNIT	30
28000400	PERIMETER EROSION BARRIER	FOOT	4007
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2120
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	5880
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	520
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2120
42400800	DETECTABLE WARNINGS	SQ FT	40
44000600	SIDEWALK REMOVAL	SQ FT	850
44001700	COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT	FOOT	8
50900805	PEDESTRIAN RAILING	FOOT	96
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	18
54213655	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 10"	EACH	4
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	EACH	2
542A0215	PIPE CULVERTS, CLASS A, TYPE 1 10"	FOOT	48
60608300	COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12	FOOT	20
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	130
66400205	CHAIN LINK FENCE, 5'	FOOT	610
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	100
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5
72900100	METAL POST - TYPE A	FOOT	150
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4007
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	270
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	40
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	6

\*SPECIALTY ITEMS

REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09
IDOT REVIEW	3-17-09

SUMMARY OF QUANTITIES  
PEDESTRIAN / BIKE TRAIL  
HAZEL CREST, IL  
SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
HORIZ. N/A  
DATE 01/14/09

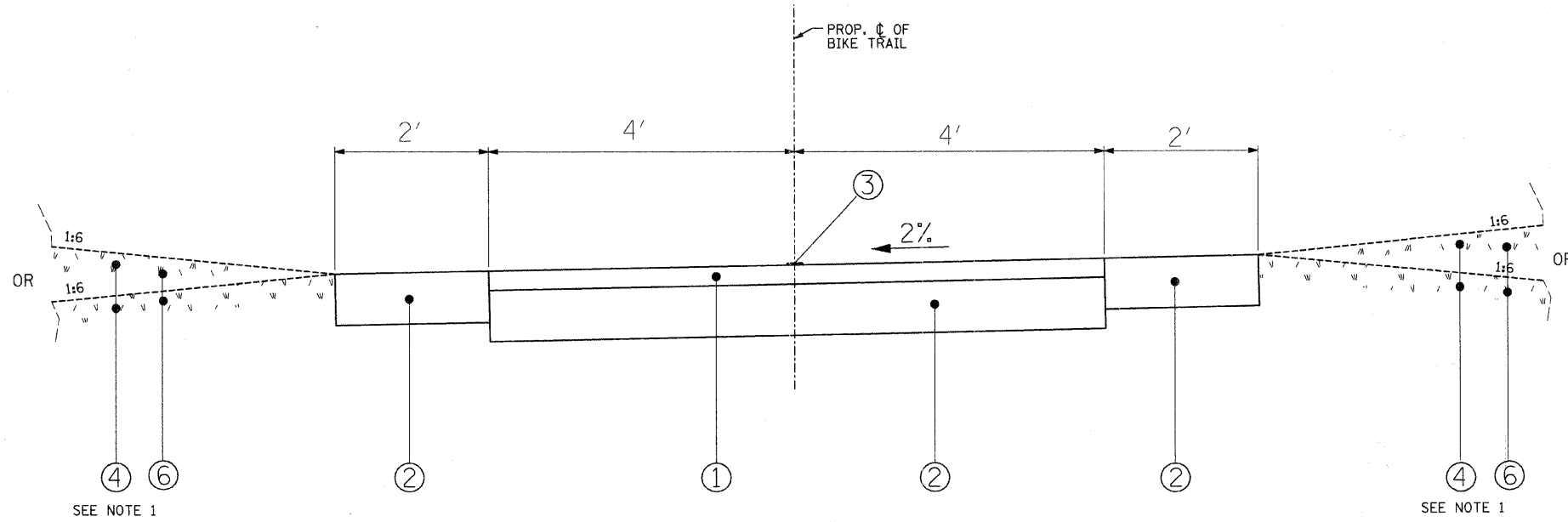
DRAWN BY L.S.  
CHECKED BY D.W.S.

CIVIL / STRUCTURAL ENGINEERS



GLOBETROTTERS INTERNATIONAL,  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		



SEE NOTE 1

SEE NOTE 1

STA 10+00.00 TO STA 28+14.65  
STA 44+04.64 TO STA 54+00.00

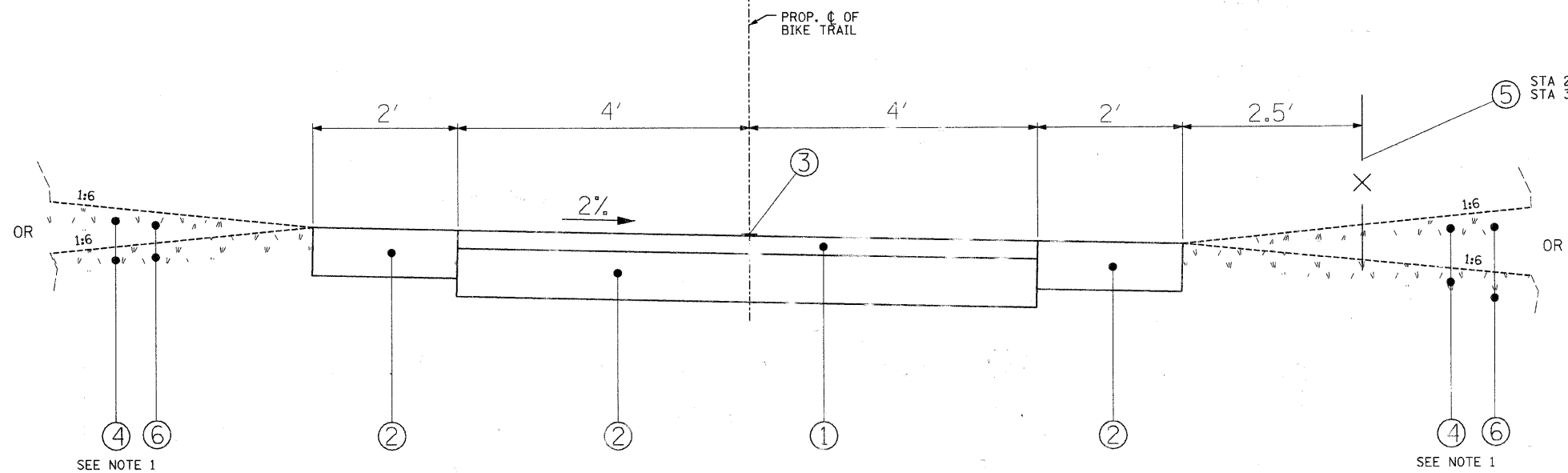
- LEGEND
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-9.5, N50, 3 IN.
  - ② AGGREGATE BASE COURSE, TYPE B 8 IN.
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4"
  - ④ SEEDING, CLASS B
  - ⑤ CHAIN LINK FENCE, 5'
  - ⑥ TOPSOIL, FURNISH AND PLACE, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AC TYPE	DESIGN AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	PG 64-22	4 % AT 50 GYRATIONS

UNIT WEIGHT USED TO MEASURE ALL HOT-MIX ASPHALT SURFACE COURSE QUANTITY IS 112 LBS/SQ YD/INCH.

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



SEE NOTE 1

SEE NOTE 1

STA 28+36.73 TO STA 41+89.39  
STA 54+50.00 TO STA 56+71.02


NOTE 1  
FOR EXACT SLOPE, SEE X-SECTIONS, SHTS 15 TO 24

REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

PROPOSED TYPICAL CROSS SECTIONS  
PEDESTRIAN / BIKE TRAIL  
HAZEL CREST, IL  
SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
HORIZ. N.T.S.  
DATE 01/14/09  
DRAWN BY L.S.  
CHECKED BY D.W.S.

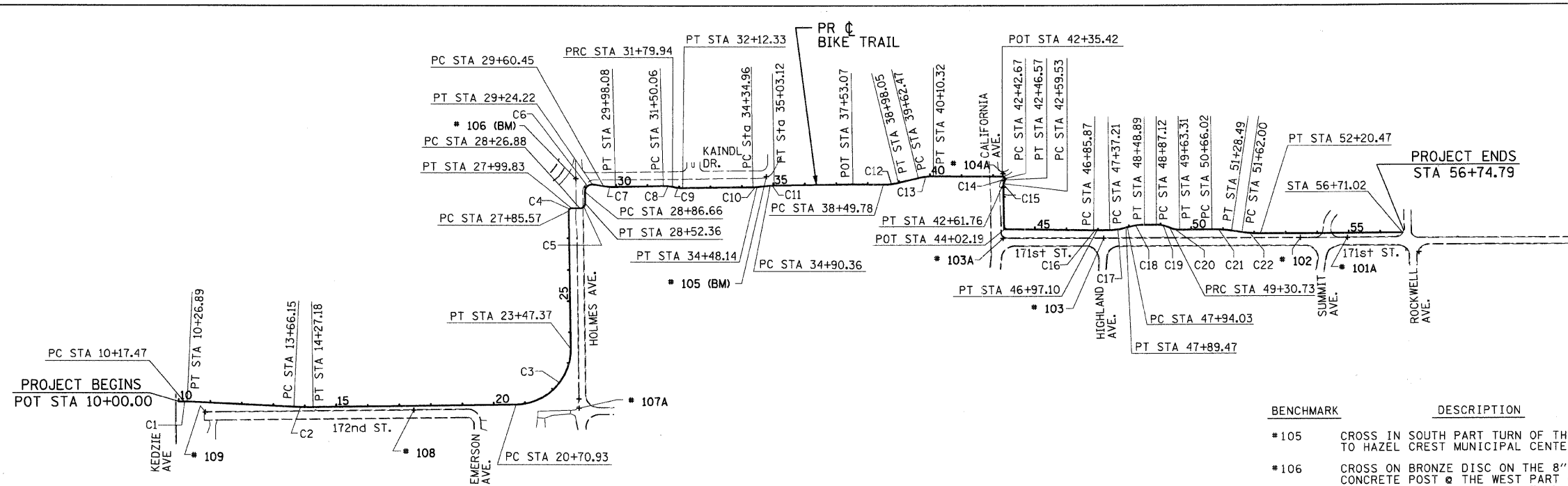
CIVIL / STRUCTURAL ENGINEERS



GLOBETROTTERS INTERNATIONAL.  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		



	STATION	NORTHING	EASTING
P. O. T.	10+00.00	9, 478.366	5, 739.826
P. O. T.	37+53.07	10, 170.405	7, 880.655
P. O. T.	42+35.42	10, 195.044	8, 360.356
P. O. T.	44+02.19	10, 029.210	8, 359.947

BENCHMARK	DESCRIPTION	STATION	OFFSET	NORTHING	EASTING	ELEVATION
#105	CROSS IN SOUTH PART TURN OF THE KAINDL DR. TO HAZEL CREST MUNICIPAL CENTER	34+81.23	30.31' LT.	10, 195.424	7, 605.911	629.25
#106	CROSS ON BRONZE DISC ON THE 8" x 8" CONCRETE POST @ THE WEST PART OF INTERSECTION OF HOLMES AVE. & KAINDL DR.	29+02.78	42.90' LT.	10, 188.172	7, 001.134	631.78


<p>PROP. CURVE C1 PI STA. = 10+22.18 Δ = 2° 42' 00" (RT) D = 28° 38' 52" R = 200.00' T = 4.71' L = 9.42' E = 0.06' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 10+17.47 P.T. STA. = 10+26.89</p>	<p>PROP. CURVE C2 PI STA. = 13+96.68 Δ = 3° 29' 48" (LT) D = 5° 43' 46" R = 1,000.00' T = 30.52' L = 61.03' E = 0.47' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 13+66.15 P.T. STA. = 14+27.18</p>	<p>PROP. CURVE C3 PI STA. = 22+46.91 Δ = 89° 59' 41" (LT) D = 32° 33' 16" R = 176.00' T = 175.98' L = 276.44' E = 72.89' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 20+70.93 P.T. STA. = 23+47.37</p>	<p>PROP. CURVE C4 PI STA. = 27+94.69 Δ = 90° 47' 32" (RT) D = 636° 37' 11" R = 9.00' T = 9.13' L = 14.26' E = 3.82' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 27+85.57 P.T. STA. = 27+99.83</p>	<p>PROP. CURVE C5 PI STA. = 28+43.23 Δ = 91° 13' 25" (LT) D = 358° 05' 55" R = 16.00' T = 16.35' L = 25.47' E = 6.87' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 28+26.88 P.T. STA. = 28+52.36</p>	<p>PROP. CURVE C6 PI STA. = 29+10.52 Δ = 89° 39' 39" (RT) D = 238° 43' 57" R = 24.00' T = 23.86' L = 14.26' E = 9.84' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 28+86.66 P.T. STA. = 29+24.22</p>	<p>PROP. CURVE C7 PI STA. = 29+79.32 Δ = 10° 46' 52" (LT) D = 28° 38' 52" R = 200.00' T = 18.87' L = 37.63' E = 0.89' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 29+60.45 P.T. STA. = 29+98.08</p>	<p>PROP. CURVE C8 PI STA. = 31+65.07 Δ = 13° 41' 37" (RT) D = 45° 50' 12" R = 125.00' T = 15.01' L = 29.87' E = 0.90' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 31+50.06 P.T. STA. = 31+79.94</p>	<p>PROP. CURVE C9 PI STA. = 31+96.23 Δ = 14° 50' 56" (LT) D = 45° 50' 12" R = 125.00' T = 16.29' L = 32.40' E = 1.06' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 31+79.94 P.T. STA. = 32+12.33</p>	<p>PROP. CURVE C10 PI STA. = 34+41.55 Δ = 5° 02' 11" (LT) D = 38° 11' 50" R = 150.00' T = 6.60' L = 13.19' E = 0.14' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 34+34.96 P.T. STA. = 34+48.14</p>	<p>PROP. CURVE C11 PI STA. = 34+96.74 Δ = 4° 52' 34" (RT) D = 38° 11' 50" R = 150.00' T = 6.39' L = 12.77' E = 0.14' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 34+90.36 P.T. STA. = 35+03.12</p>	<p>PROP. CURVE C12 PI STA. = 38+74.03 Δ = 13° 49' 36" (LT) D = 28° 38' 52" R = 200.00' T = 24.25' L = 48.26' E = 1.46' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 38+49.78 P.T. STA. = 38+98.05</p>	<p>PROP. CURVE C13 PI STA. = 39+86.51 Δ = 13° 42' 28" (RT) D = 28° 38' 52" R = 200.00' T = 24.04' L = 47.85' E = 1.44' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 39+62.47 P.T. STA. = 40+10.32</p>	<p>PROP. CURVE C14 PI STA. = 42+44.67 Δ = 31° 58' 58" (RT) D = 818° 30' 40" R = 7.00' T = 2.01' L = 3.91' E = 0.28' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 42+42.67 P.T. STA. = 42+46.57</p>	<p>PROP. CURVE C15 PI STA. = 42+60.66 Δ = 18° 15' 01" (LT) D = 818° 30' 40" R = 7.00' T = 1.12' L = 2.23' E = 0.09' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 42+59.53 P.T. STA. = 42+61.76</p>	<p>PROP. CURVE C16 PI STA. = 46+91.49 Δ = 1° 36' 35" (LT) D = 14° 19' 26" R = 400.00' T = 5.62' L = 11.24' E = 0.04' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 46+85.87 P.T. STA. = 46+97.10</p>	<p>PROP. CURVE C17 PI STA. = 47+63.49 Δ = 14° 58' 18" (LT) D = 28° 38' 52" R = 200.00' T = 26.28' L = 52.26' E = 1.72' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 47+37.21 P.T. STA. = 47+89.47</p>	<p>PROP. CURVE C18 PI STA. = 48+21.63 Δ = 15° 43' 04" (RT) D = 28° 38' 52" R = 200.00' T = 27.61' L = 54.87' E = 1.90' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 47+94.03 P.T. STA. = 48+48.89</p>	<p>PROP. CURVE C19 PI STA. = 49+09.28 Δ = 24° 59' 08" (RT) D = 57° 17' 45" R = 100.00' T = 22.16' L = 43.61' E = 2.43' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 48+87.12 P.T. STA. = 49+30.73</p>	<p>PROP. CURVE C20 PI STA. = 49+47.28 Δ = 24° 53' 08" (LT) D = 76° 23' 40" R = 75.00' T = 16.55' L = 32.58' E = 1.80' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 49+30.73 P.T. STA. = 49+63.31</p>	<p>PROP. CURVE C21 PI STA. = 50+97.32 Δ = 8° 56' 52" (RT) D = 14° 19' 26" R = 400.00' T = 31.30' L = 62.47' E = 1.22' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 50+66.02 P.T. STA. = 51+28.49</p>	<p>PROP. CURVE C22 PI STA. = 51+91.29 Δ = 8° 22' 31" (LT) D = 14° 19' 26" R = 400.00' T = 29.29' L = 58.47' E = 1.07' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 51+62.00 P.T. STA. = 52+20.47</p>
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REVISIONS	
NAME	DATE

ALIGNMENT PLAN & BENCH MARKS  
PEDESTRIAN / BIKE TRAIL  
HAZEL CREST, IL  
SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
HORIZ. 1"=200'  
DATE 01/14/09  
DRAWN BY L.S.  
CHECKED BY D.W.S.

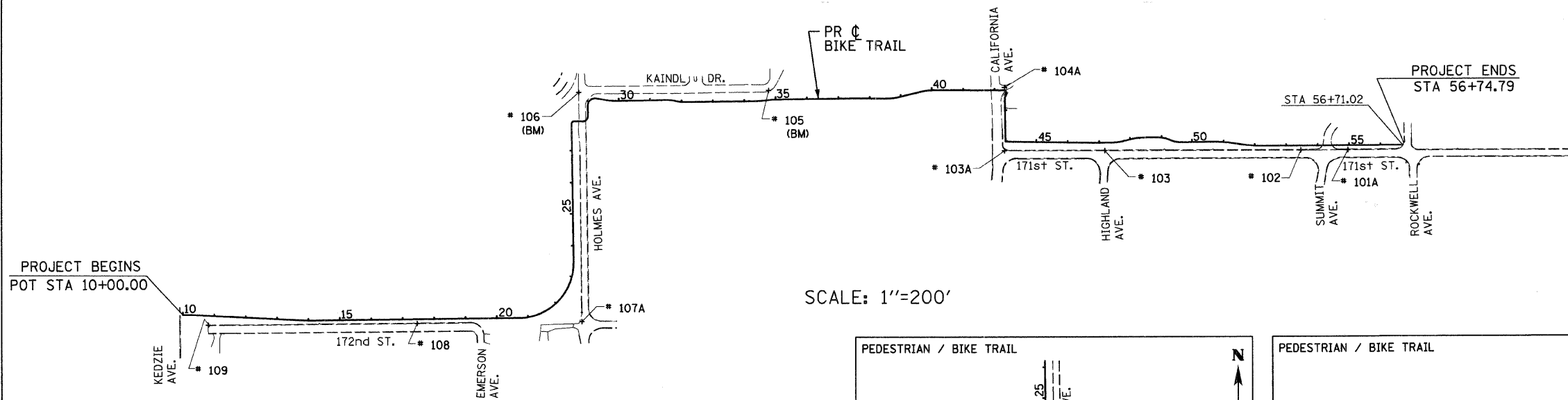
CIVIL / STRUCTURAL ENGINEERS



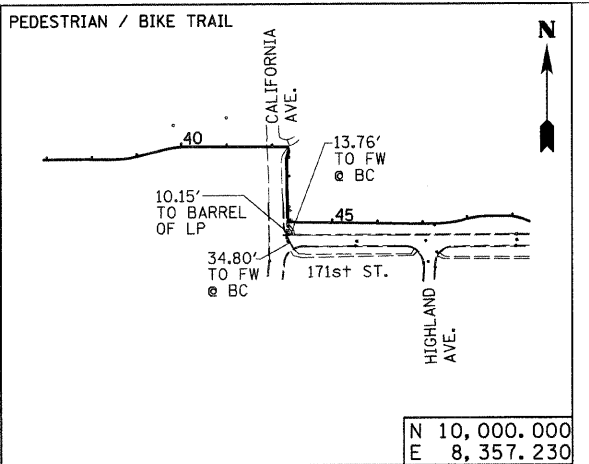
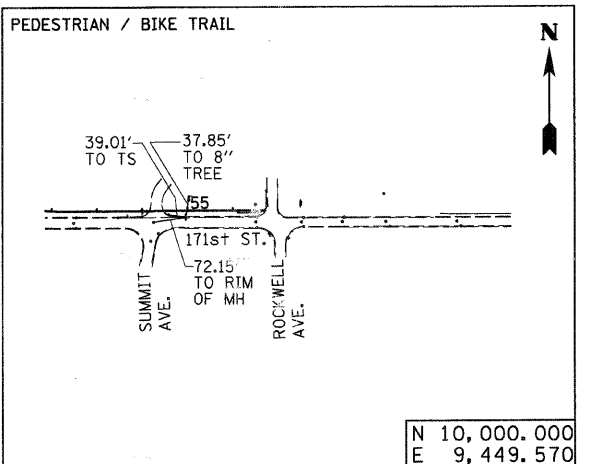
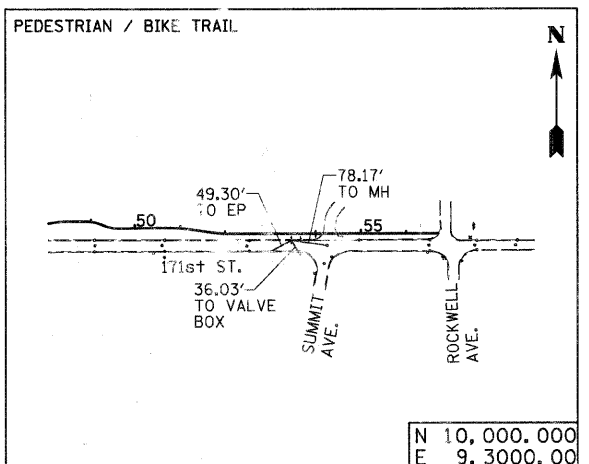
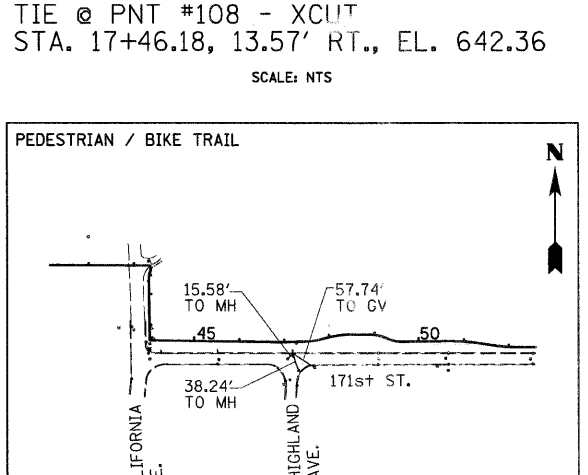
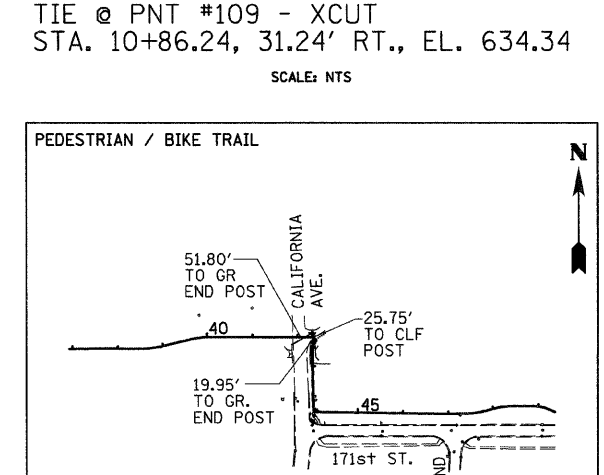
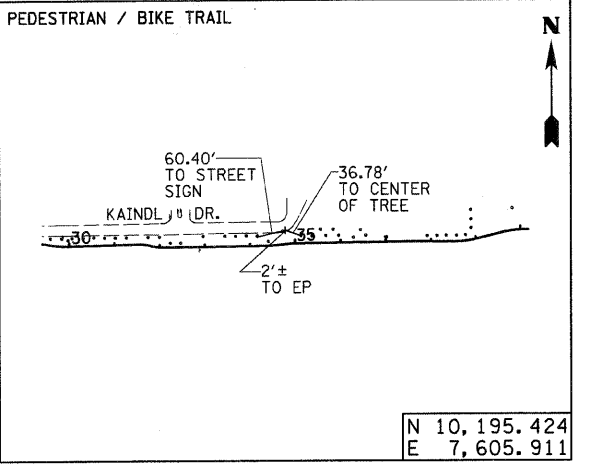
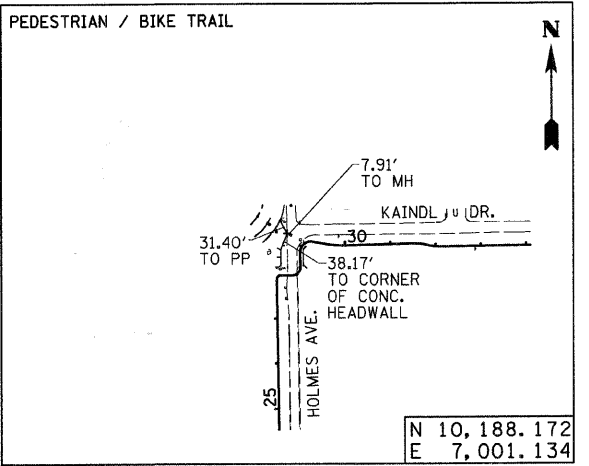
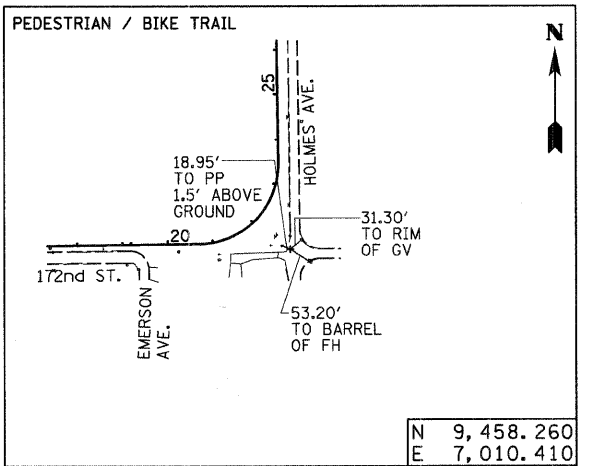
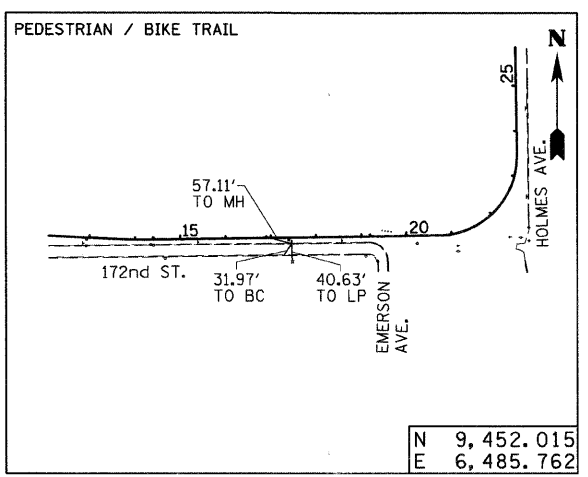
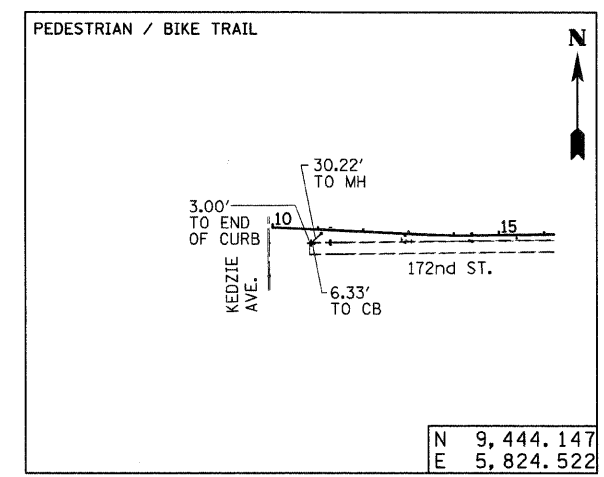
GLOBETROTTERS INTERNATIONAL.  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

P:\cadd\msv8\pen\_tables\idof.tbl Color - Monochrome  
tds600-raster on fsj0.plt

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS			



SCALE: 1"=200'



REVISIONS	
NAME	DATE

TIE PLAN & DETAILS  
PEDESTRIAN / BIKE TRAIL  
HAZEL CREST, IL  
SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
HORIZ. AS SHOWN  
DATE 01/14/09

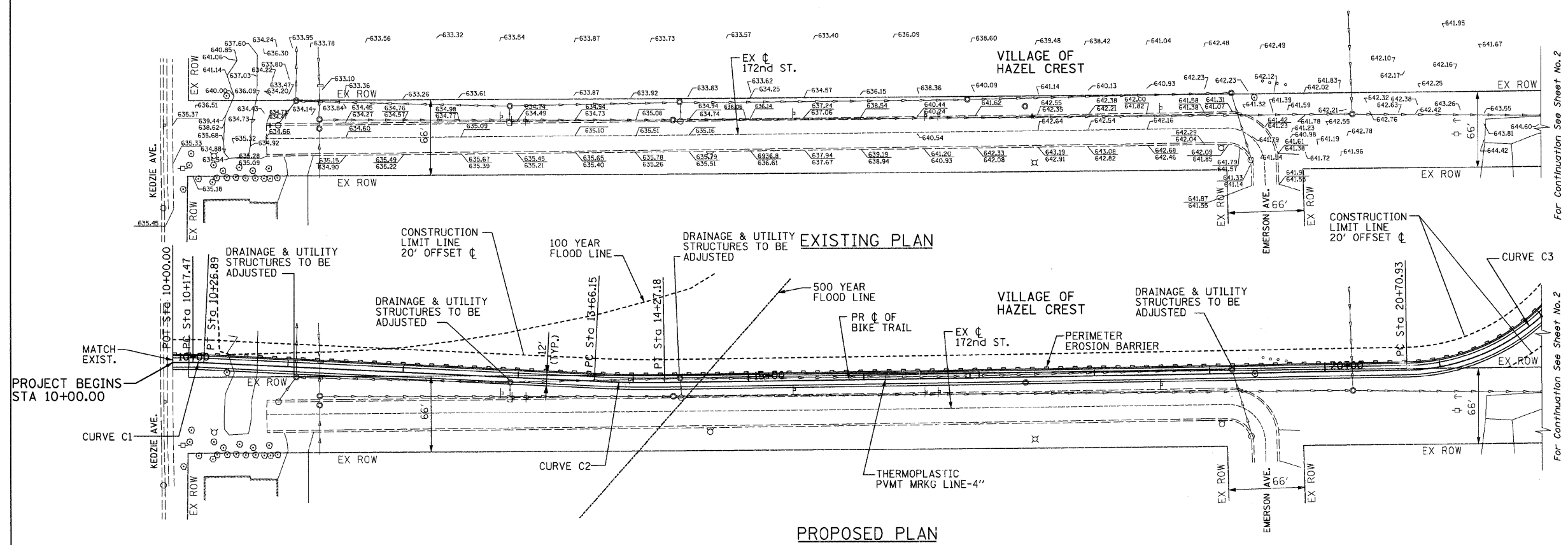
DRAWN BY L.S.  
CHECKED BY D.W.S.

CIVIL / STRUCTURAL ENGINEERS

GLOBETROTTERS INTERNATIONAL  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

P:\acad\msv8\pen\_tables\tdot.tbi Color - Monochrome  
tds600-raster on fsi0.plt

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 10+00		TO STA. 22+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



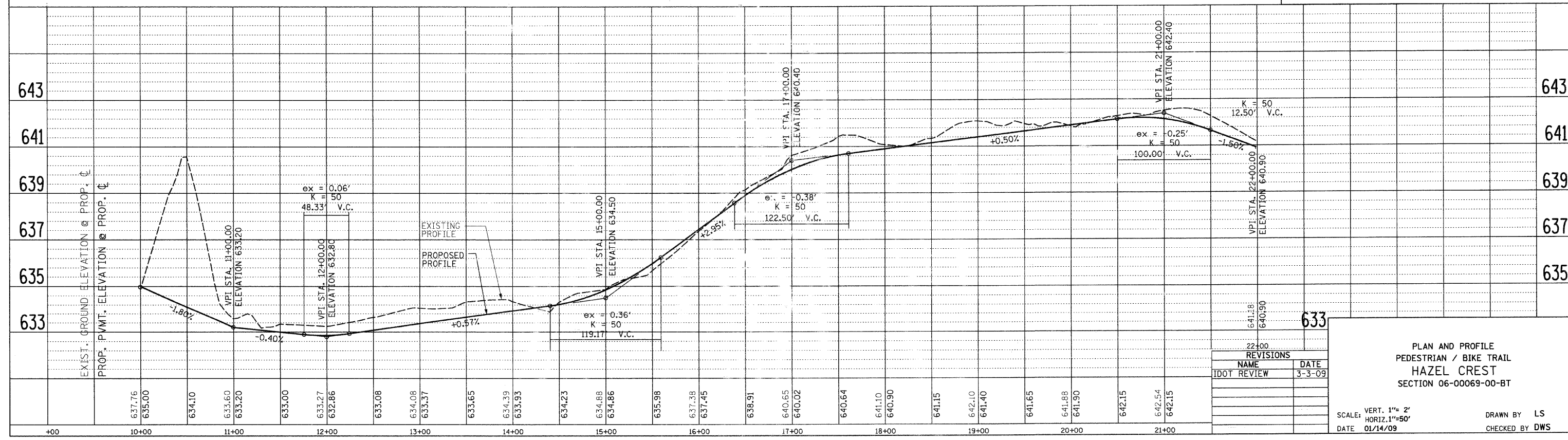
**PROP. CURVE C1**  
 PI STA. = 10+22.18  
 $\Delta = 2^\circ 42' 00''$  (RT)  
 $D = 28^\circ 38' 52''$   
 $R = 200.00'$   
 $T = 4.71'$   
 $L = 9.42'$   
 $E = 0.06'$   
 $e = \text{---}$   
 T.R. =  $\text{---}$   
 S.E. RUN =  $\text{---}$   
 P.C. STA. = 10+17.47  
 P.T. STA. = 10+26.89

**PROP. CURVE C2**  
 PI STA. = 13+96.68  
 $\Delta = 3^\circ 29' 48''$  (LT)  
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 30.52'$   
 $L = 61.03'$   
 $E = 0.47'$   
 $e = \text{---}$   
 T.R. =  $\text{---}$   
 S.E. RUN =  $\text{---}$   
 P.C. STA. = 13+66.15  
 P.T. STA. = 14+27.18

**PROP. CURVE C3**  
 PI STA. = 22+46.91  
 $\Delta = 89^\circ 59' 41''$  (LT)  
 $D = 32^\circ 33' 16''$   
 $R = 176.00'$   
 $T = 175.98'$   
 $L = 276.44'$   
 $E = 72.89'$   
 $e = \text{---}$   
 T.R. =  $\text{---}$   
 S.E. RUN =  $\text{---}$   
 P.C. STA. = 20+70.93  
 P.T. STA. = 23+47.37

CIVIL / STRUCTURAL ENGINEERS

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 300 SOUTH WACKER DRIVE, SUITE 200  
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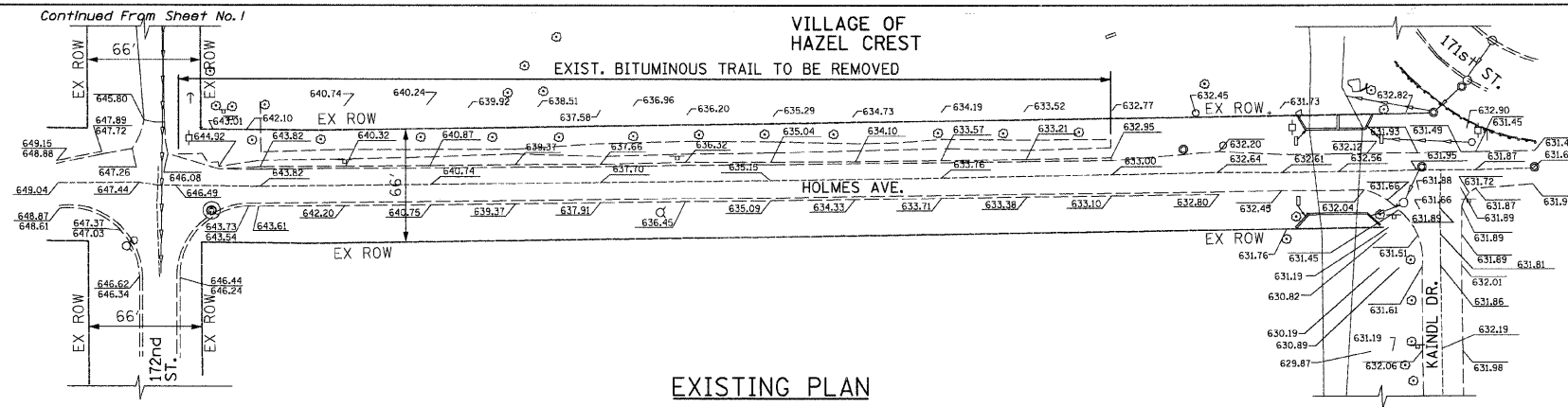
REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

**PLAN AND PROFILE**  
**PEDESTRIAN / BIKE TRAIL**  
**HAZEL CREST**  
 SECTION 06-00069-00-BT

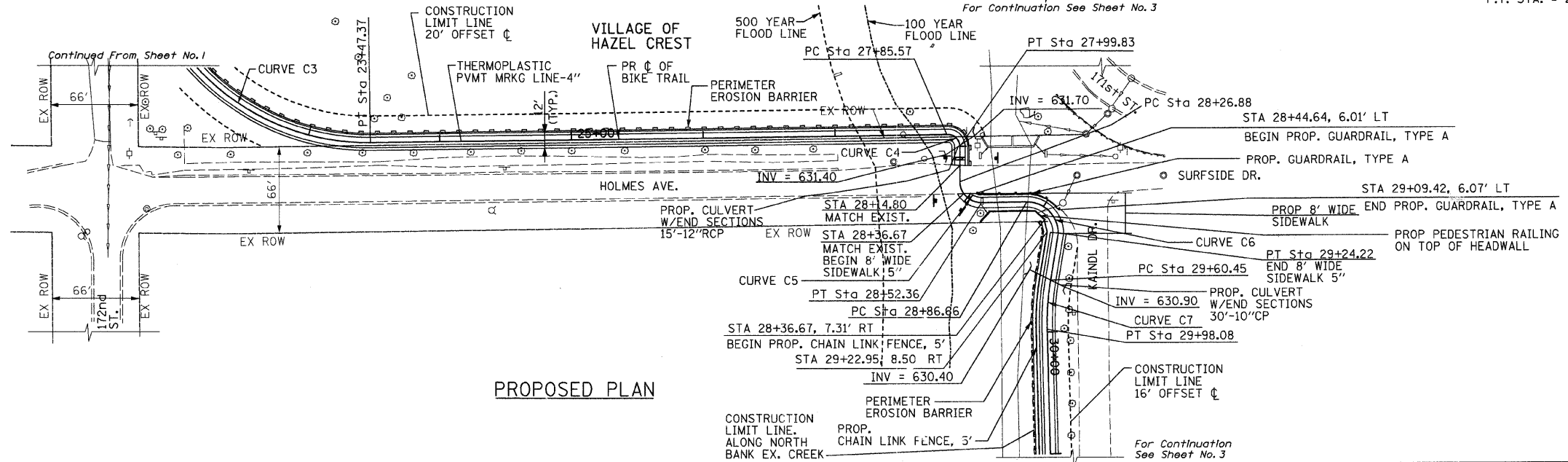
SCALE: VERT. 1"= 2'  
 HORIZ. 1"=50'  
 DATE 01/14/09

DRAWN BY LS  
 CHECKED BY DWS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00069-00-BT		COOK	24	8
STA. 22+00		TO STA. 31+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



<b>PROP. CURVE C3</b> PI STA. = 22+46.91 $\Delta = 89^\circ 59' 41''$ (LT) $D = 32^\circ 33' 16''$ $R = 176.00'$ $T = 175.98'$ $L = 276.44'$ $E = 72.89'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ $P.C. STA. = 20+70.93$ $P.T. STA. = 23+47.37$	<b>PROP. CURVE C4</b> PI STA. = 27+94.69 $\Delta = 90^\circ 47' 32''$ (RT) $D = 636^\circ 37' 11''$ $R = 9.00'$ $T = 9.13'$ $L = 14.26'$ $E = 3.82'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ $P.C. STA. = 27+85.57$ $P.T. STA. = 27+99.83$	<b>PROP. CURVE C5</b> PI STA. = 28+43.23 $\Delta = 91^\circ 13' 25''$ (LT) $D = 358^\circ 05' 55''$ $R = 16.00'$ $T = 16.35'$ $L = 25.47'$ $E = 6.87'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ $P.C. STA. = 28+26.88$ $P.T. STA. = 28+52.36$
--	---	---



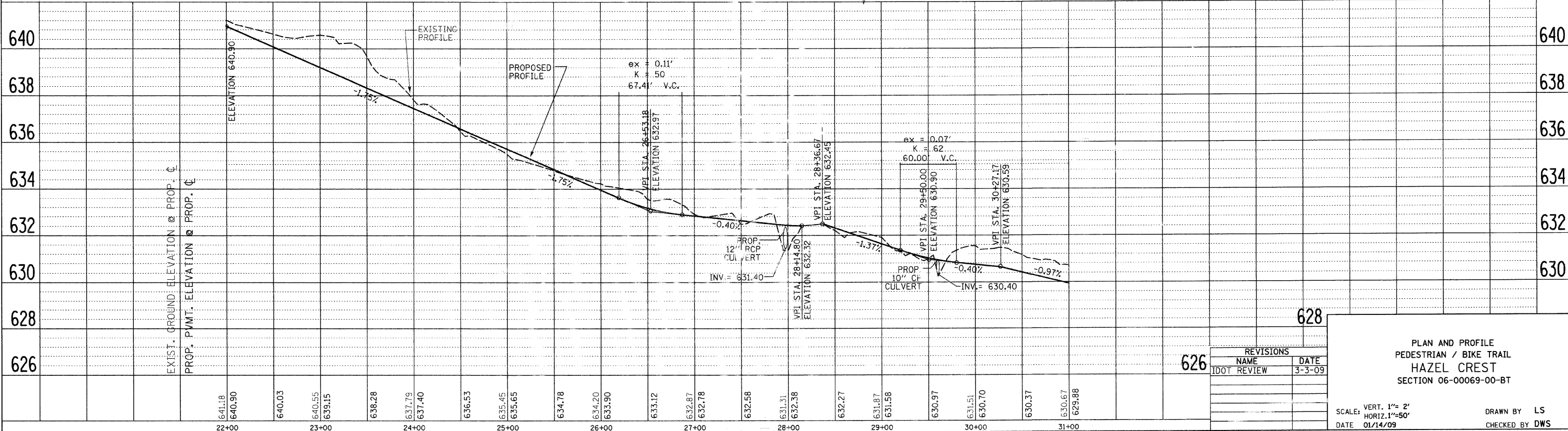
<b>PROP. CURVE C6</b> PI STA. = 29+10.52 $\Delta = 89^\circ 39' 39''$ (RT) $D = 238^\circ 43' 57''$ $R = 24.00'$ $T = 23.86'$ $L = 37.56'$ $E = 9.84'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ $P.C. STA. = 28+86.66$ $P.T. STA. = 29+24.22$	<b>PROP. CURVE C7</b> PI STA. = 29+79.32 $\Delta = 10^\circ 46' 52''$ (LT) $D = 28^\circ 38' 52''$ $R = 200.00'$ $T = 18.87'$ $L = 37.63'$ $E = 0.89'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ $P.C. STA. = 29+60.45$ $P.T. STA. = 29+98.08$
---	---

NOTE:  
SEE SHT.-12 FOR DETAILS

CIVIL / STRUCTURAL ENGINEERS

**GLOBETROTTERS INTERNATIONAL.**  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

642



626

628

REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

**PLAN AND PROFILE**  
PEDESTRIAN / BIKE TRAIL  
**HAZEL CREST**  
SECTION 06-00069-00-BT

SCALE: VERT. 1"= 2'  
HORIZ. 1"=50'  
DATE 01/14/09

DRAWN BY LS  
CHECKED BY DWS



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00069-00-BT		COOK	24	9
STA. 31+00		TO STA. 43+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROP. CURVE C12  
 PI STA. = 38+74.03  
 $\Delta = 13^\circ 49' 36''$  (LT)  
 $D = 28^\circ 38' 52''$   
 $R = 200.00'$   
 $T = 24.25'$   
 $L = 48.26'$   
 $E = 1.46'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 38+49.78$   
 $P.T. STA. = 38+98.05$

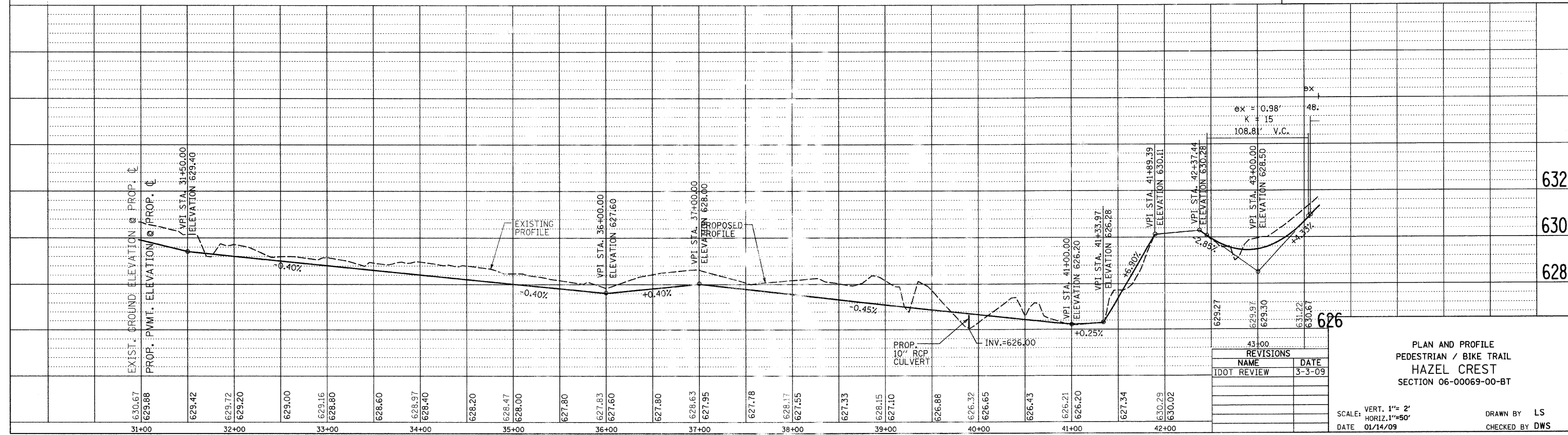
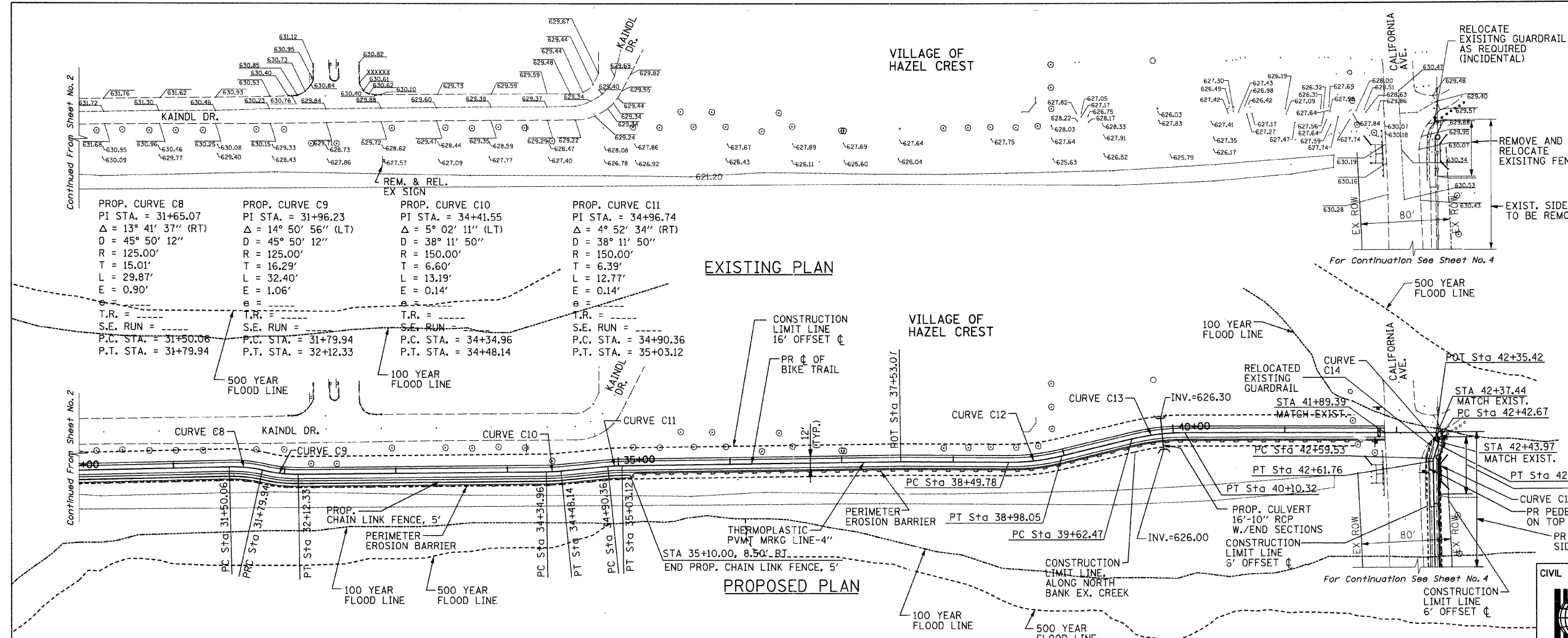
PROP. CURVE C13  
 PI STA. = 39+86.51  
 $\Delta = 13^\circ 42' 28''$  (RT)  
 $D = 28^\circ 38' 52''$   
 $R = 200.00'$   
 $T = 24.04'$   
 $L = 47.85'$   
 $E = 1.44'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 39+62.47$   
 $P.T. STA. = 40+10.32$

PROP. CURVE C14  
 PI STA. = 42+44.67  
 $\Delta = 31^\circ 58' 58''$  (RT)  
 $D = 18^\circ 30' 40''$   
 $R = 7.00'$   
 $T = 2.01'$   
 $L = 3.91'$   
 $E = 0.28'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 42+42.67$   
 $P.T. STA. = 42+46.57$

PROP. CURVE C15  
 PI STA. = 42+60.66  
 $\Delta = 18^\circ 15' 01''$  (LT)  
 $D = 818^\circ 30' 40''$   
 $R = 7.00'$   
 $T = 1.12'$   
 $L = 2.23'$   
 $E = 0.09'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 42+59.53$   
 $P.T. STA. = 42+61.76$

NOTE: SEE SHT.-12 FOR DETAILS

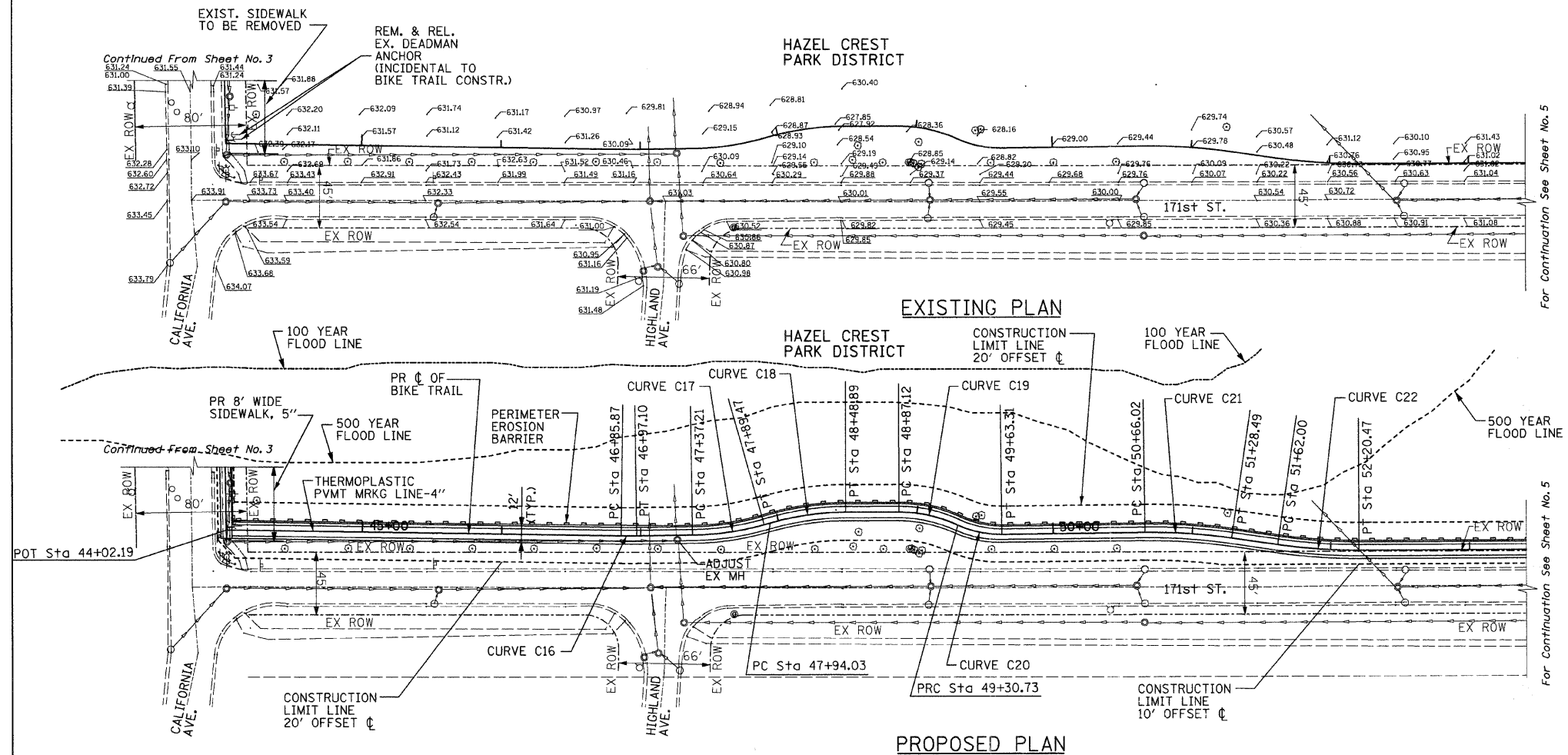
CIVIL / STRUCTURAL ENGINEERS  
  
 GLOBETROTTERS INTERNATIONAL,  
 300 SOUTH WACKER DRIVE, SUITE 200  
 CHICAGO, IL. 60606



REVISIONS	
NAME	DATE
100T REVIEW	3-3-09

PLAN AND PROFILE  
 PEDESTRIAN / BIKE TRAIL  
 HAZEL CREST  
 SECTION 06-00069-00-BT  
 SCALE: VERT. 1"=2'  
 HORIZ. 1"=50'  
 DATE 01/14/09  
 DRAWN BY LS  
 CHECKED BY DWS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 43+50		TO STA. 53+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

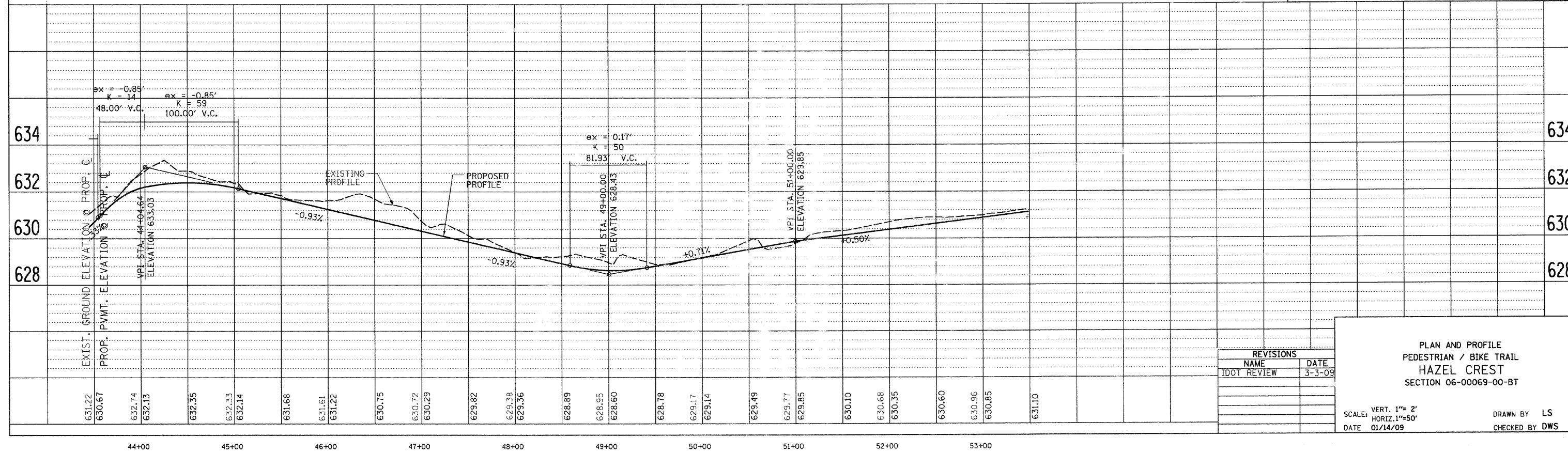


<b>PROP. CURVE C16</b> PI STA. = 46+91.49 $\Delta = 1^\circ 36' 35''$ (LT) $D = 14^\circ 19' 26''$ $R = 400.00'$ $T = 5.62'$ $L = 11.24'$ $E = 0.04'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 46+85.87$ $P.T. STA. = 46+97.10$	<b>PROP. CURVE C17</b> PI STA. = 47+63.49 $\Delta = 14^\circ 58' 18''$ (LT) $D = 28^\circ 38' 52''$ $R = 200.00'$ $T = 26.28'$ $L = 52.26'$ $E = 1.72'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 47+37.21$ $P.T. STA. = 47+89.47$	<b>PROP. CURVE C18</b> PI STA. = 48+21.63 $\Delta = 15^\circ 43' 04''$ (RT) $D = 28^\circ 38' 52''$ $R = 200.00'$ $T = 27.61'$ $L = 54.87'$ $E = 1.90'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 47+94.03$ $P.T. STA. = 48+48.89$
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<b>PROP. CURVE C19</b> PI STA. = 49+09.28 $\Delta = 24^\circ 59' 08''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 22.16'$ $L = 43.61'$ $E = 2.43'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 48+87.12$ $P.T. STA. = 49+30.73$	<b>PROP. CURVE C20</b> PI STA. = 49+47.28 $\Delta = 24^\circ 53' 08''$ (LT) $D = 76^\circ 23' 40''$ $R = 75.00'$ $T = 16.55'$ $L = 32.58'$ $E = 1.80'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 49+30.73$ $P.T. STA. = 49+63.31$	<b>PROP. CURVE C21</b> PI STA. = 50+97.32 $\Delta = 8^\circ 56' 52''$ (RT) $D = 14^\circ 19' 26''$ $R = 400.00'$ $T = 31.30'$ $L = 62.47'$ $E = 1.22'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 50+66.02$ $P.T. STA. = 51+28.49$	<b>PROP. CURVE C22</b> PI STA. = 51+91.29 $\Delta = 8^\circ 22' 31''$ (LT) $D = 14^\circ 19' 26''$ $R = 400.00'$ $T = 29.29'$ $L = 58.47'$ $E = 1.07'$ $e =$ $T.R. =$ $S.E. RUN =$ $P.C. STA. = 51+62.00$ $P.T. STA. = 52+20.47$
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CIVIL / STRUCTURAL ENGINEERS

**GLOBETROTTERS INTERNATIONAL.**  
 300 SOUTH WACKER DRIVE, SUITE 200  
 CHICAGO, IL. 60606



REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

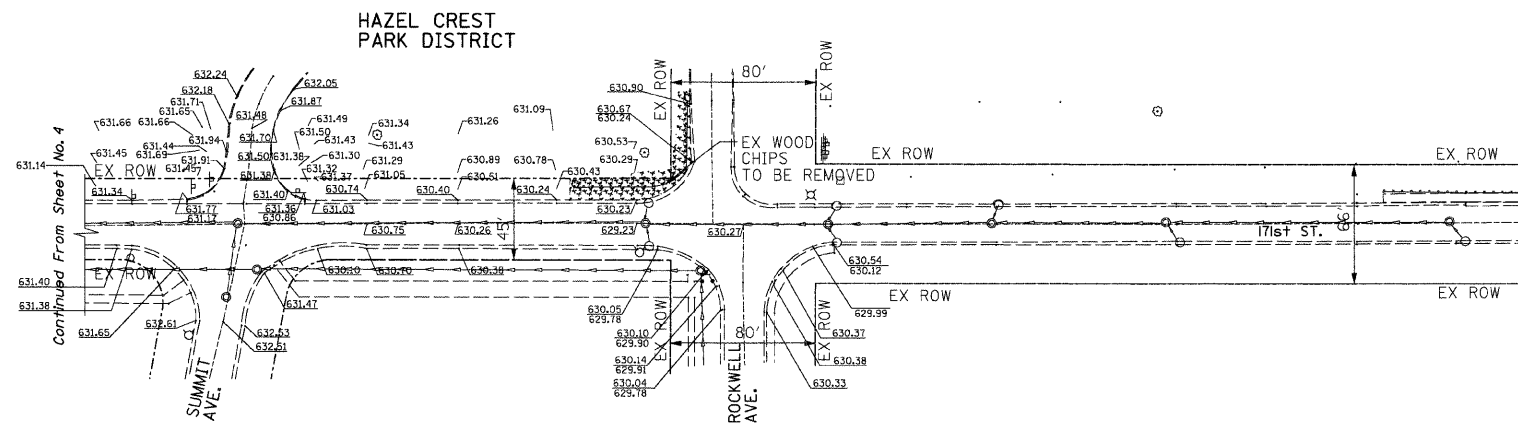
**PLAN AND PROFILE**  
 PEDESTRIAN / BIKE TRAIL  
 HAZEL CREST  
 SECTION 06-00069-00-BT

SCALE: VERT. 1"= 2'  
 HORIZ. 1"=50'

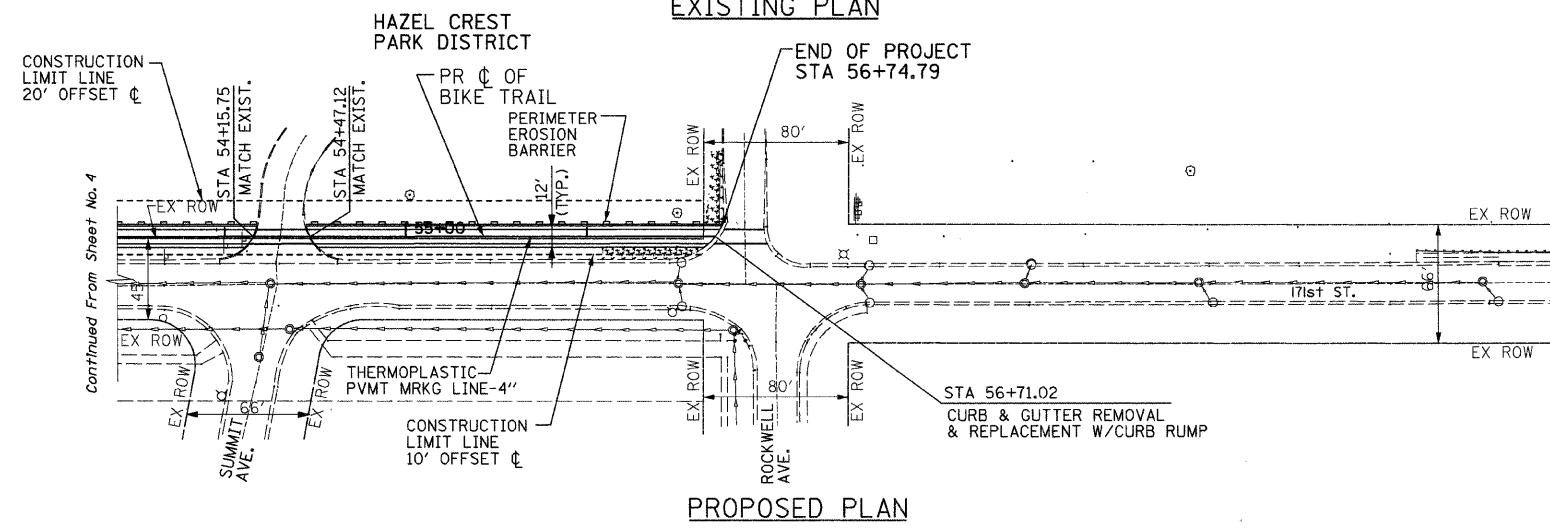
DATE 01/14/09

DRAWN BY LS  
 CHECKED BY DWS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	11
STA. 53+50		TO STA. 56+74.79		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		




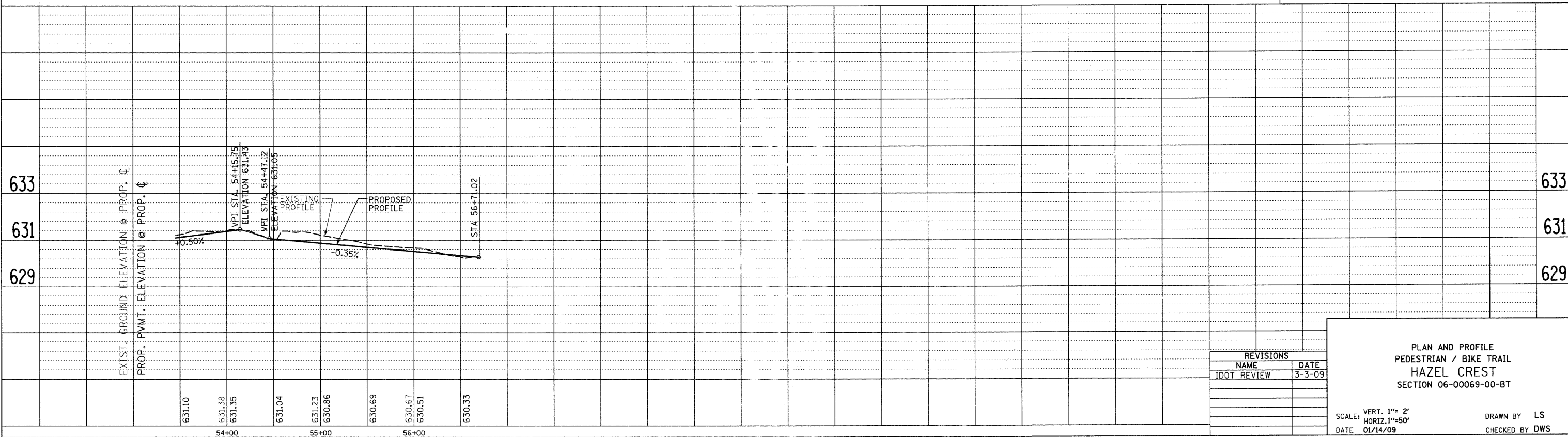
EXISTING PLAN



PROPOSED PLAN

NOTE:  
SEE SHT.-12 FOR DETAILS

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**GLOBETROTTERS INTERNATIONAL.**  
 300 SOUTH WACKER DRIVE, SUITE 200  
 CHICAGO, IL. 60606

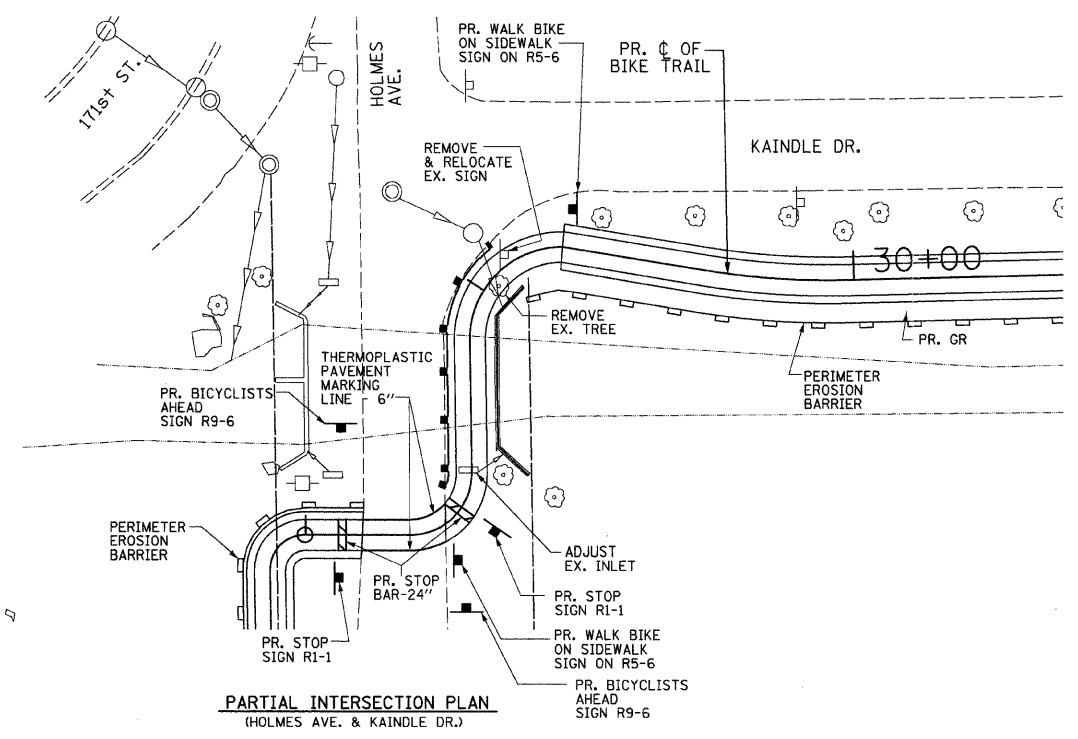


REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

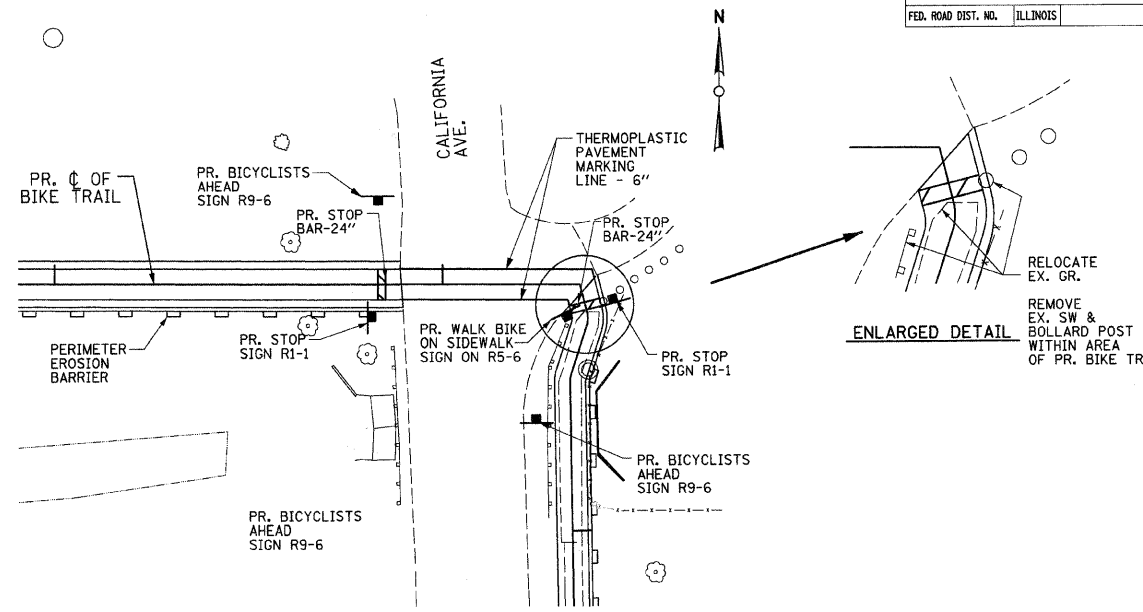
PLAN AND PROFILE  
 PEDESTRIAN / BIKE TRAIL  
 HAZEL CREST  
 SECTION 06-00069-00-BT

SCALE: VERT. 1"= 2'  
 HORIZ. 1"=50'  
 DATE 01/14/09  
 DRAWN BY LS  
 CHECKED BY DWS

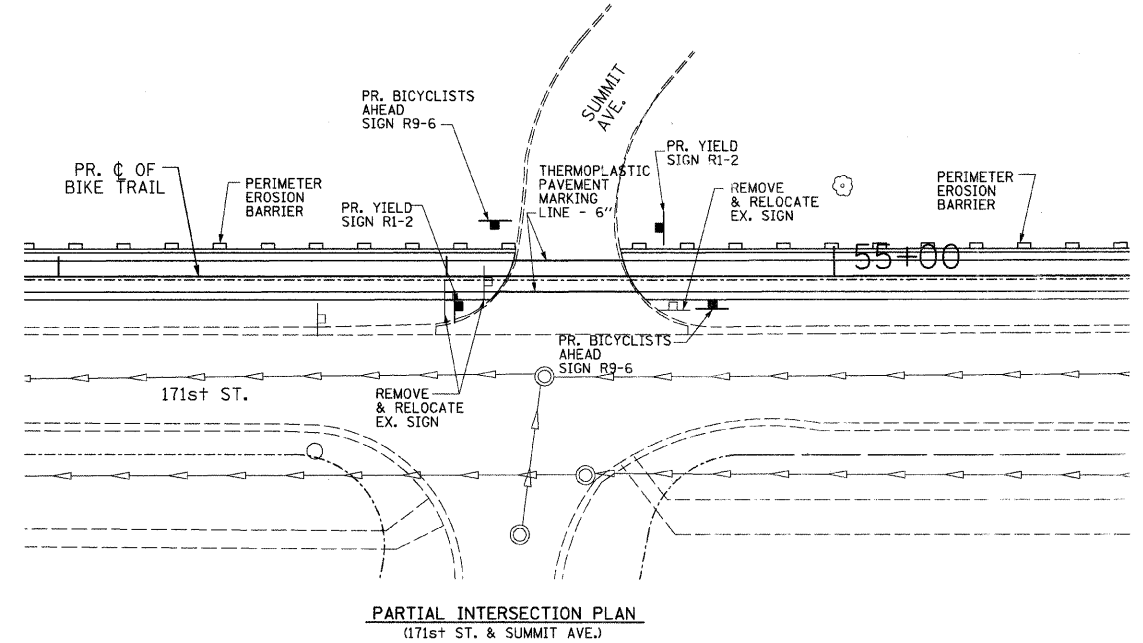
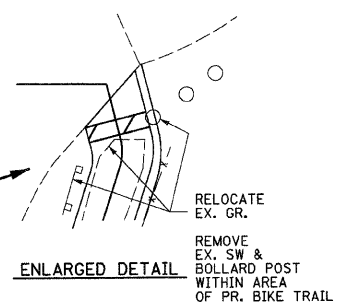
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS			



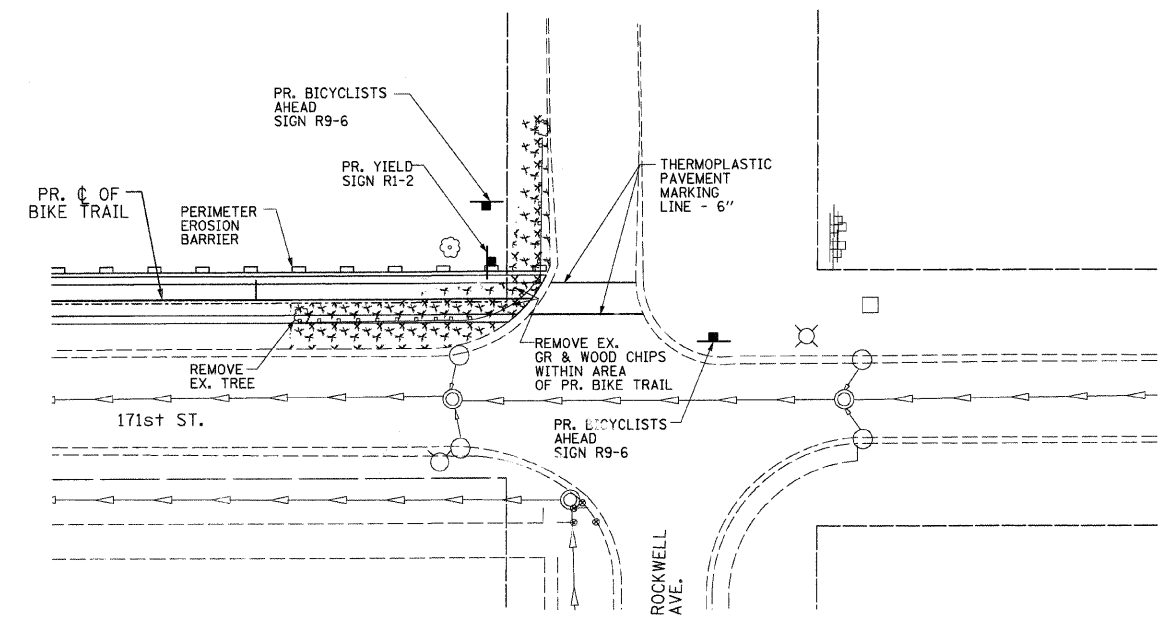
**PARTIAL INTERSECTION PLAN**  
(HOLMES AVE. & KAINDE DR.)




**PARTIAL INTERSECTION PLAN**  
(PROP. BIKE TRAIL & CALIFORNIA AVE.)



**PARTIAL INTERSECTION PLAN**  
(171st ST. & SUMMIT AVE.)



**PARTIAL INTERSECTION PLAN**  
(171st ST. & ROCKWELL AVE.)

CIVIL / STRUCTURAL ENGINEERS  
  
**GLOBETROTTERS INTERNATIONAL.**  
 300 SOUTH WACKER DRIVE, SUITE 200  
 CHICAGO, IL. 60606

REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

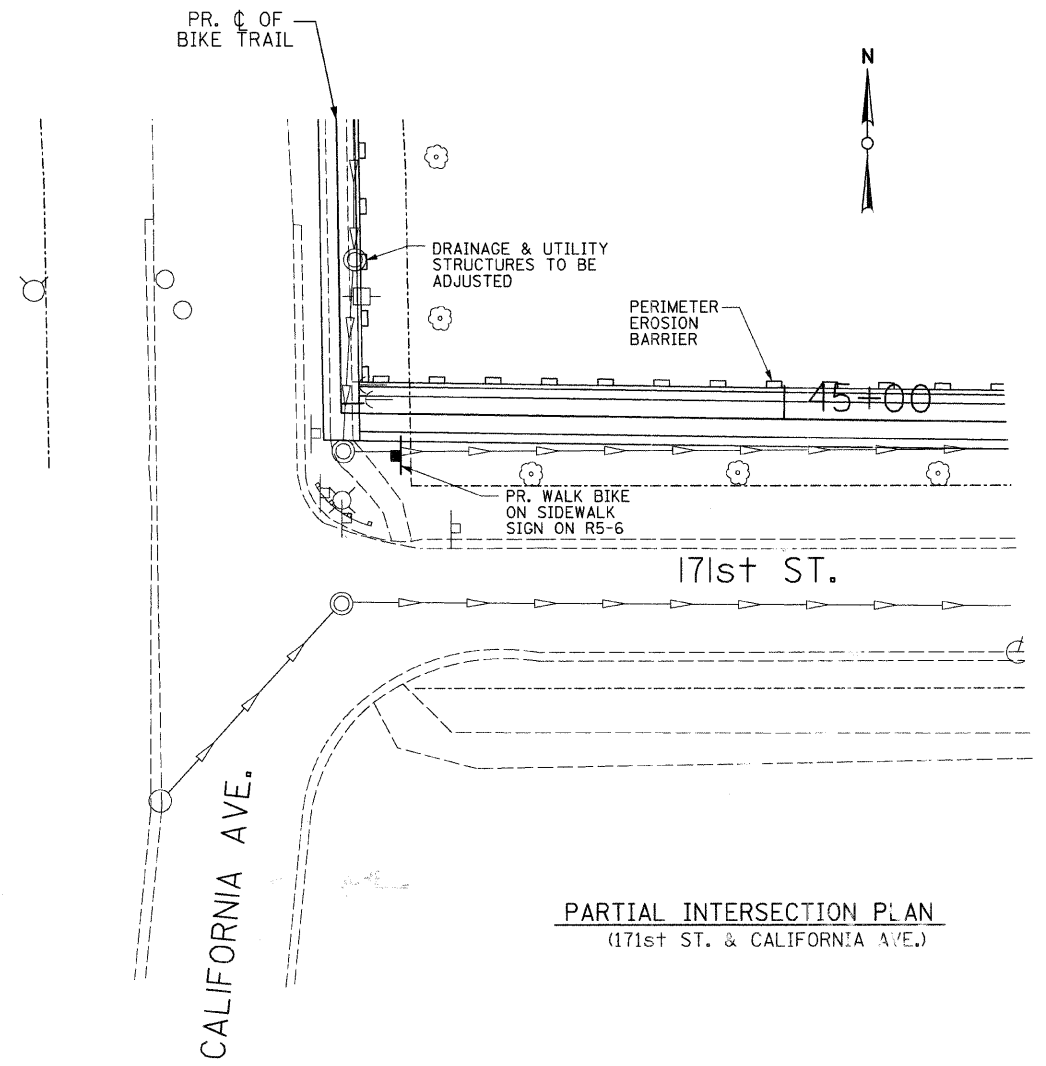
**REMOVAL ITEMS, PROPOSED SIGNS & PAVEMENT MARKINGS**  
 PEDESTRIAN / BIKE TRAIL  
 HAZEL CREST, IL  
 SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
 HORIZ. 1"=20'  
 DATE 01/14/09

DRAWN BY L.S.  
 CHECKED BY D.W.S.

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 tds600-raster on fs10.plt


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		



PARTIAL INTERSECTION PLAN  
(171st ST. & CALIFORNIA AVE.)

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GLOBETROTTERS INTERNATIONAL  
300 SOUTH WACKER DRIVE, SUITE 200  
CHICAGO, IL. 60606

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NAME	DATE

REMOVAL ITEMS, PROPOSED SIGNS & PAVEMENT MARKINGS

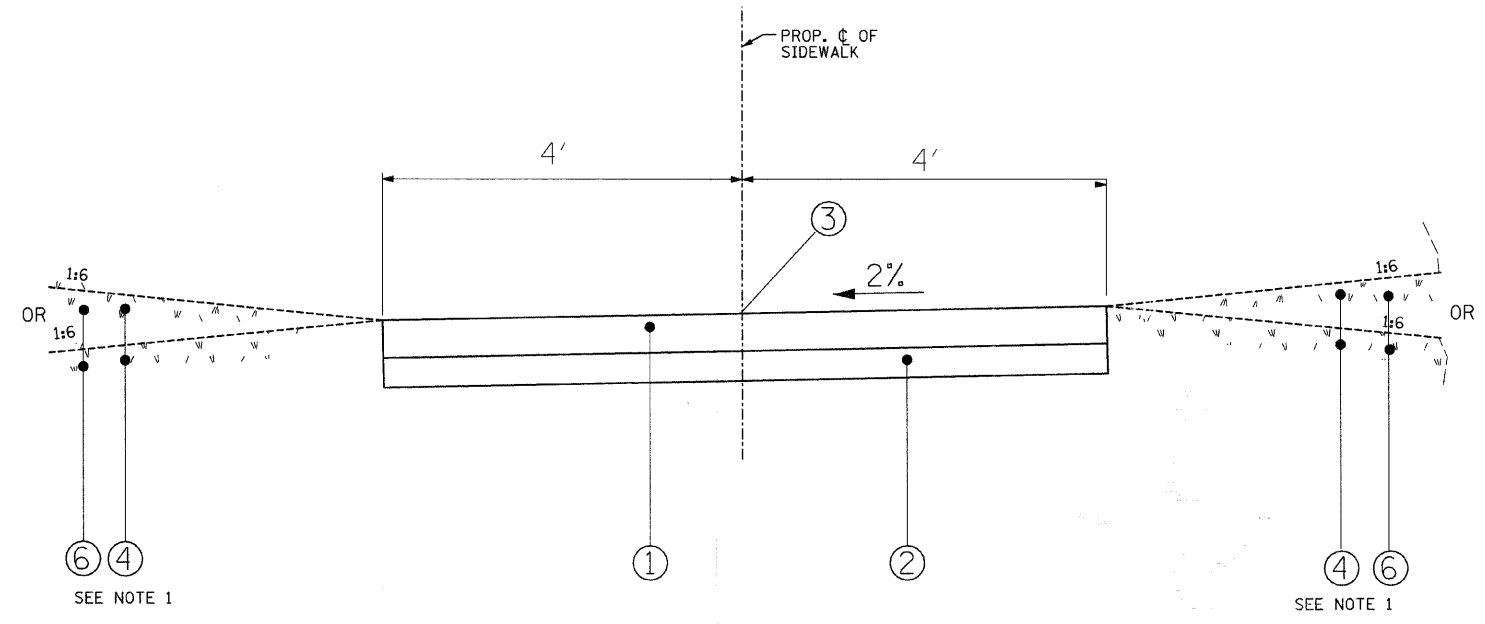
PEDESTRIAN / BIKE TRAIL  
HAZEL CREST, IL  
SECTION NO. 06-00069-00-BT

SCALE: VERT. N/A  
HORIZ. 1" = 200'  
DATE 01/14/09

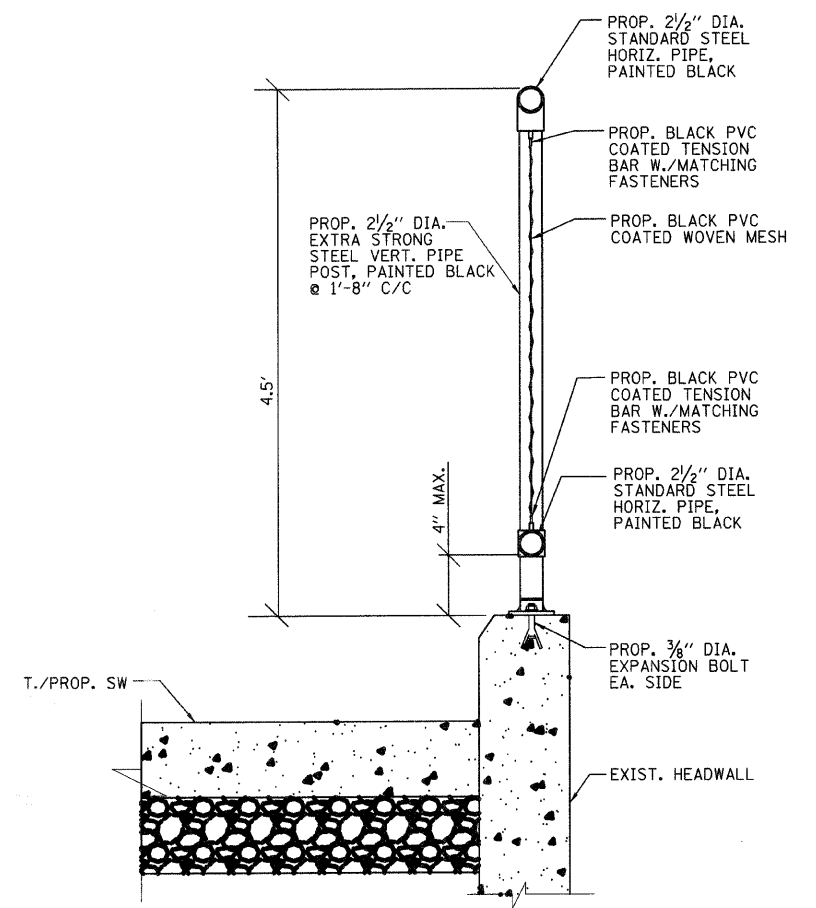
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CHECKED BY D.W.S.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		

- LEGEND
- ① PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
  - ② AGGREGATE BASE COURSE, TYPE B 4 IN.
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN.
  - ④ SEEDING, CLASS 1B
  - ⑤
  - ⑥ TOPSOIL, FURNISH AND PLACE 4"



PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH DETAIL  
 STA 28+36.67 TO STA 29+24.22  
 STA 42+37.44 TO STA 44+11.06



PEDESTRIAN RAILING DETAIL

NOTE 1  
 FOR EXACT SLOPE, SEE X-SECTIONS, SHTS 14 TO 23

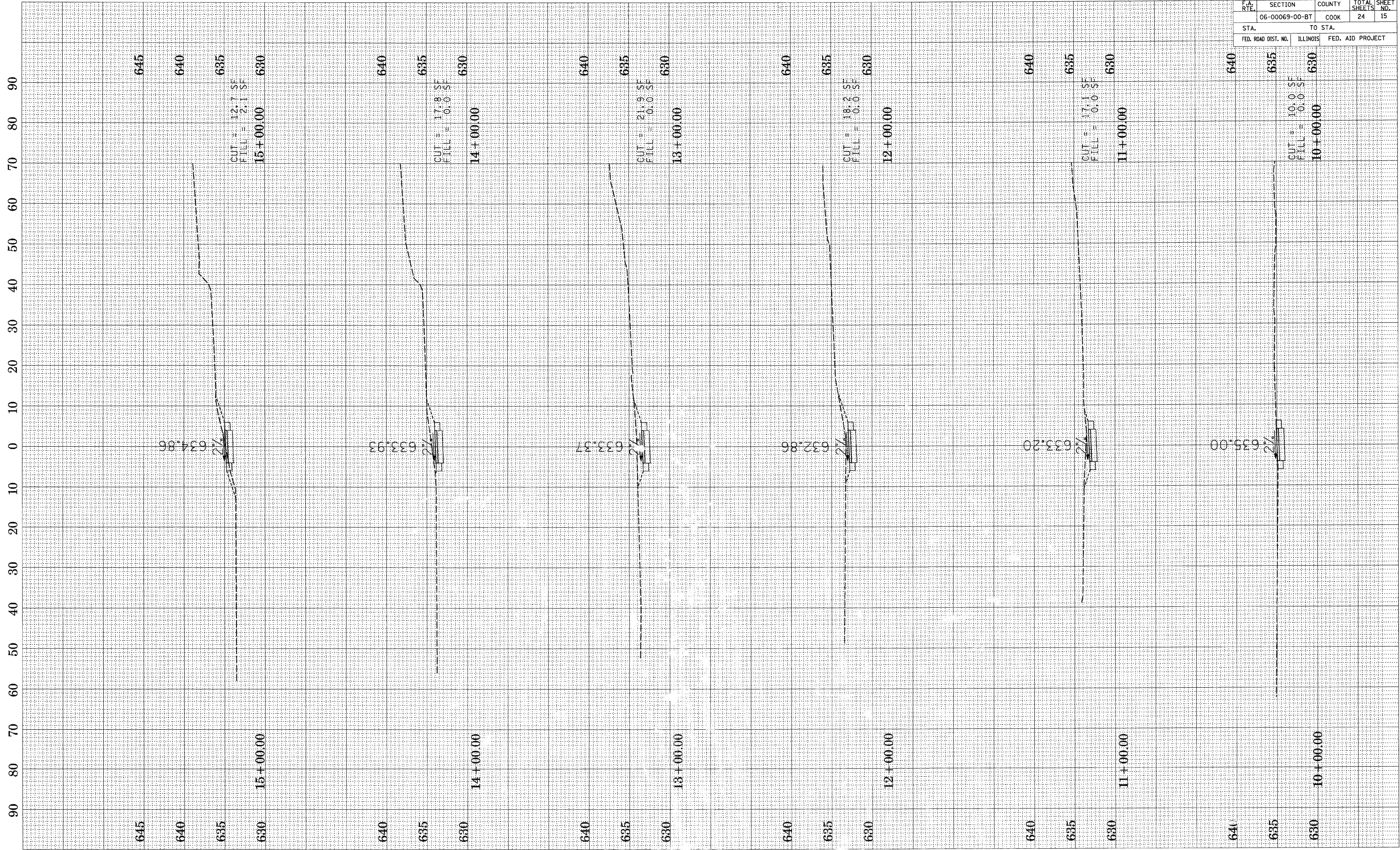
CIVIL / STRUCTURAL ENGINEERS  
 GLOBETROTTERS INTERNATIONAL  
 300 SOUTH WACKER DRIVE, SUITE 200  
 CHICAGO, IL. 60606

REVISIONS	
NAME	DATE
IDOT REVIEW	3-3-09

DETAILS  
 PEDESTRIAN / BIKE TRAIL  
 HAZEL CREST, IL  
 SECTION NO. 06-00069-00-BT  
 SCALE: VERT. N.T.S.  
 DATE 01/14/09  
 DRAWN BY L.S.  
 CHECKED BY D.W.S.

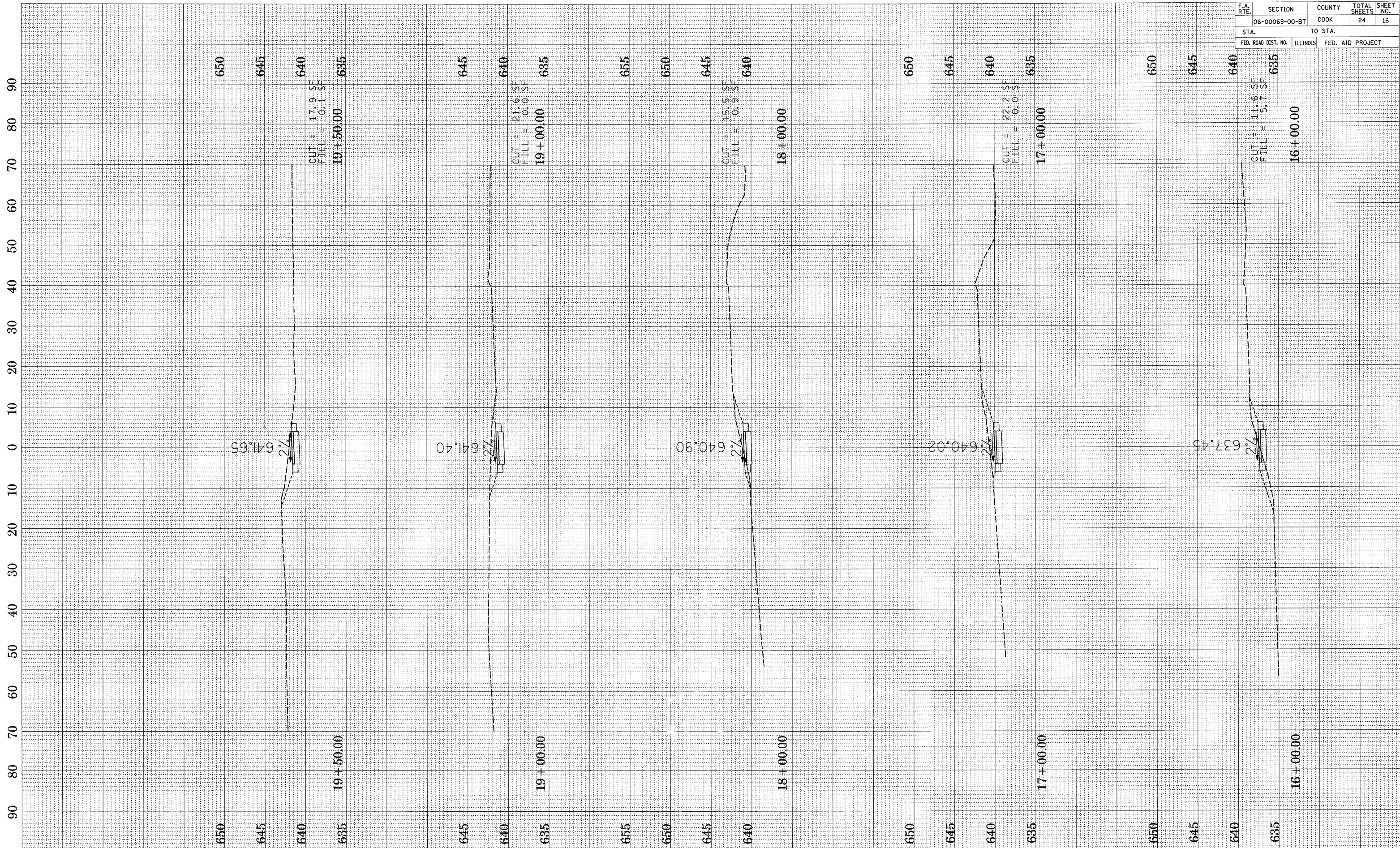
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00069-00-BT	COOK	24	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCALE HORIZ. 1" = 10'  
SCALE VERT. 1" = 5'

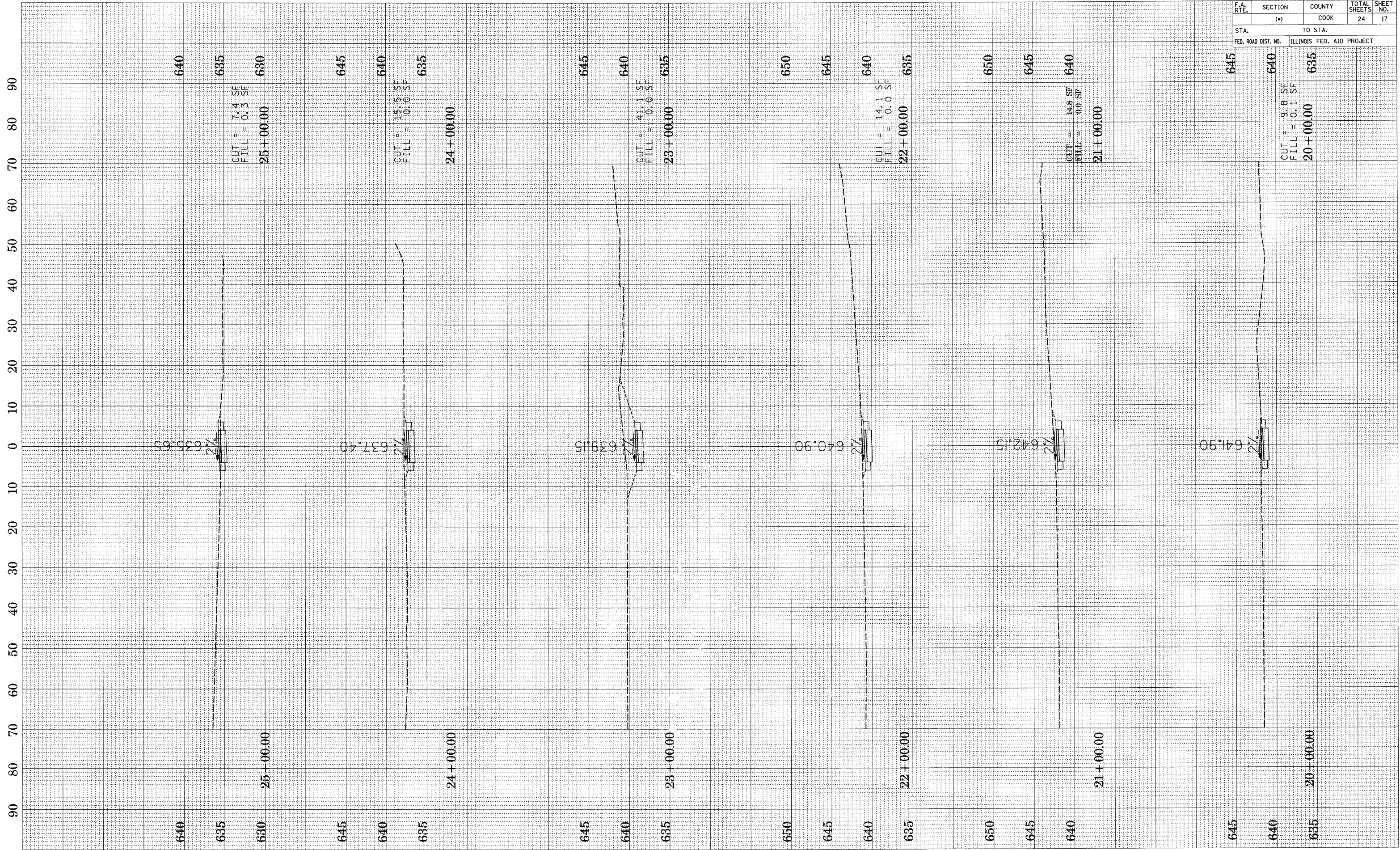
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	06-00069-00-BT	COOK	24	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCALE HORIZ. 1" = 10'  
SCALE VERT. 1" = 5'

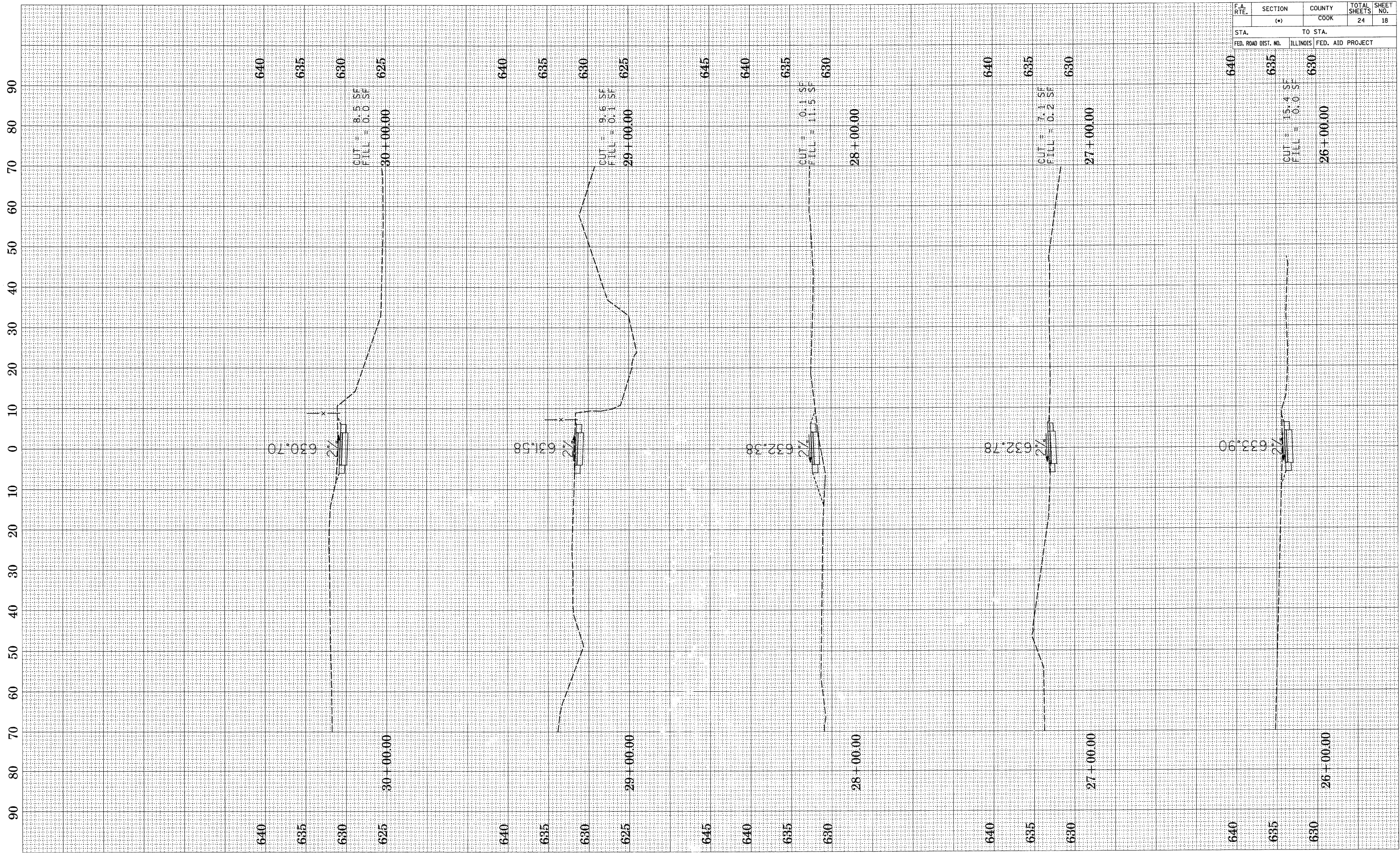


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(*)	(*)	COOK	24	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



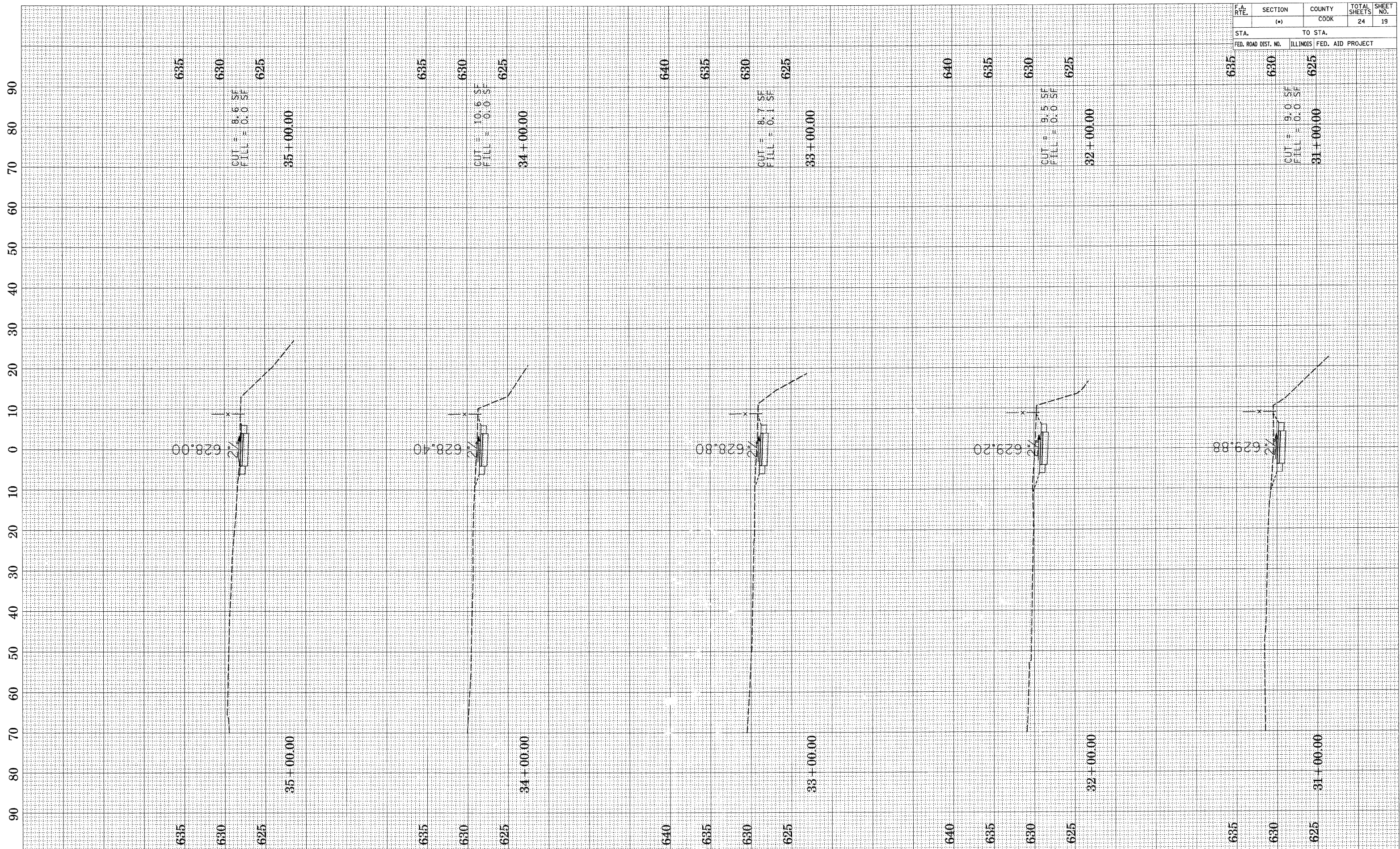
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SCALE VERT. 1" = 5'

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(*)	(*)	COOK	24	18
STA. TO STA.		FED. AID PROJECT		



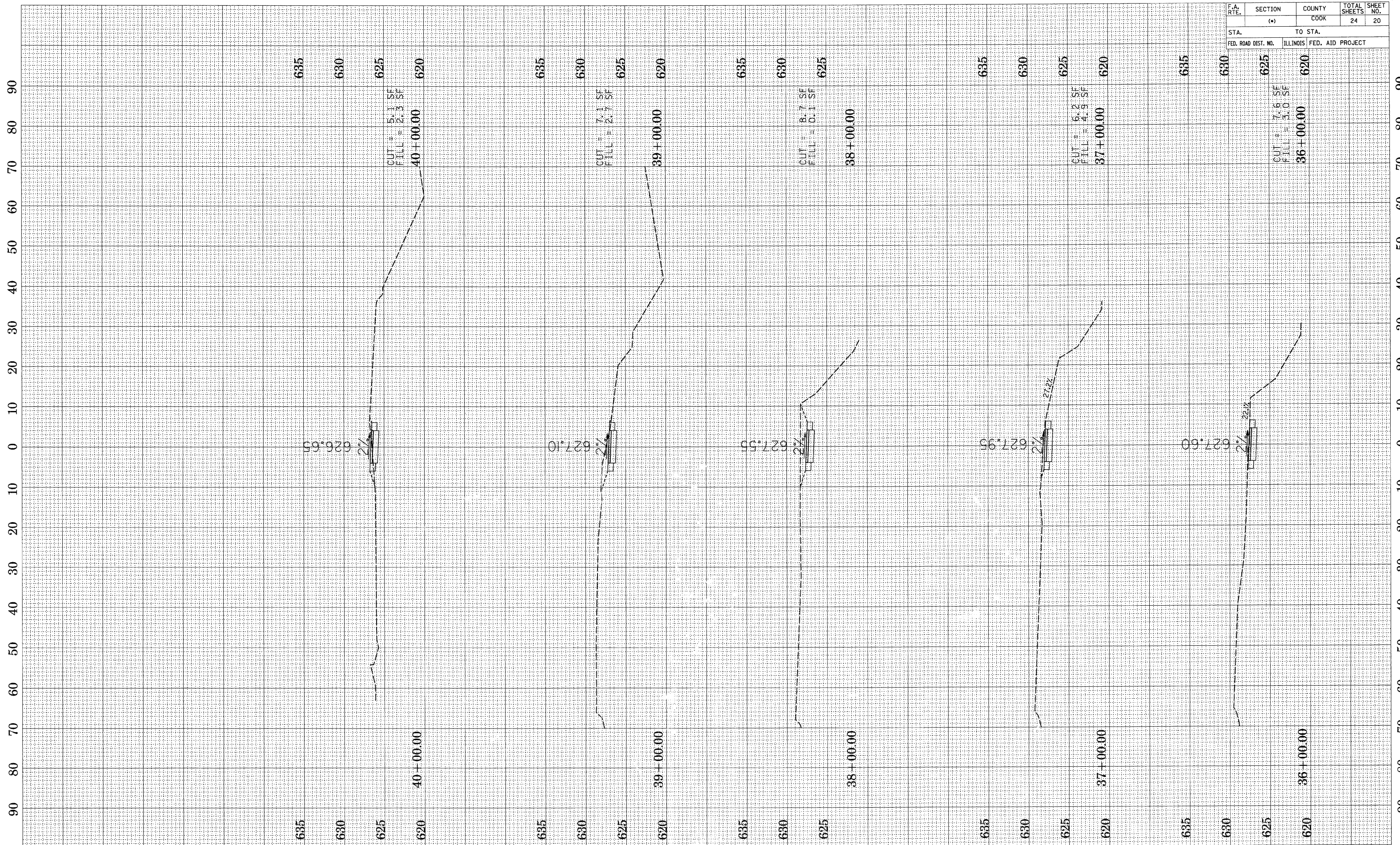
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SCALE VERT. 1" = 5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(*)	COOK	24	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



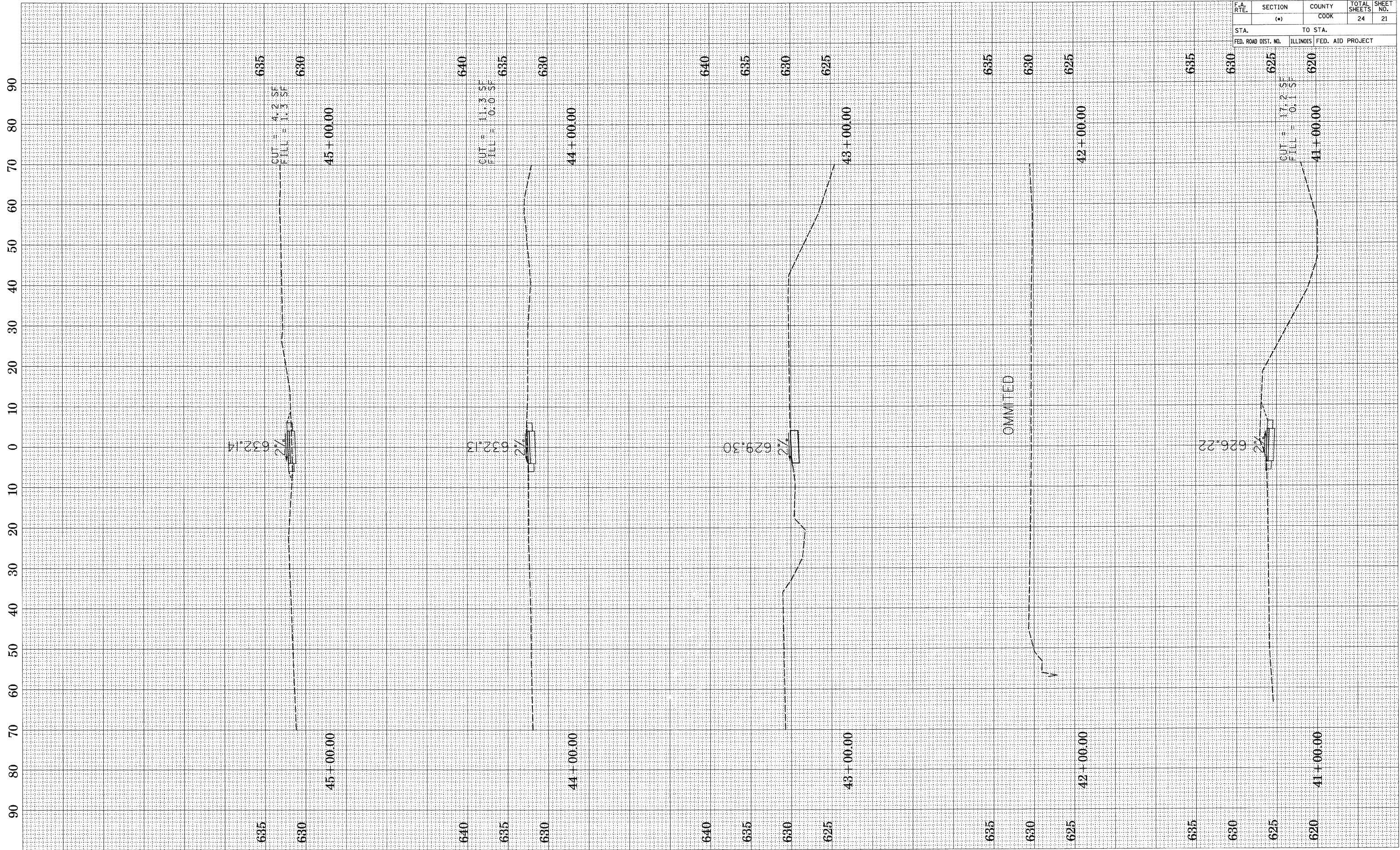
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SCALE VERT. 1" = 5'

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(*)	(*)	COOK	24	20
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



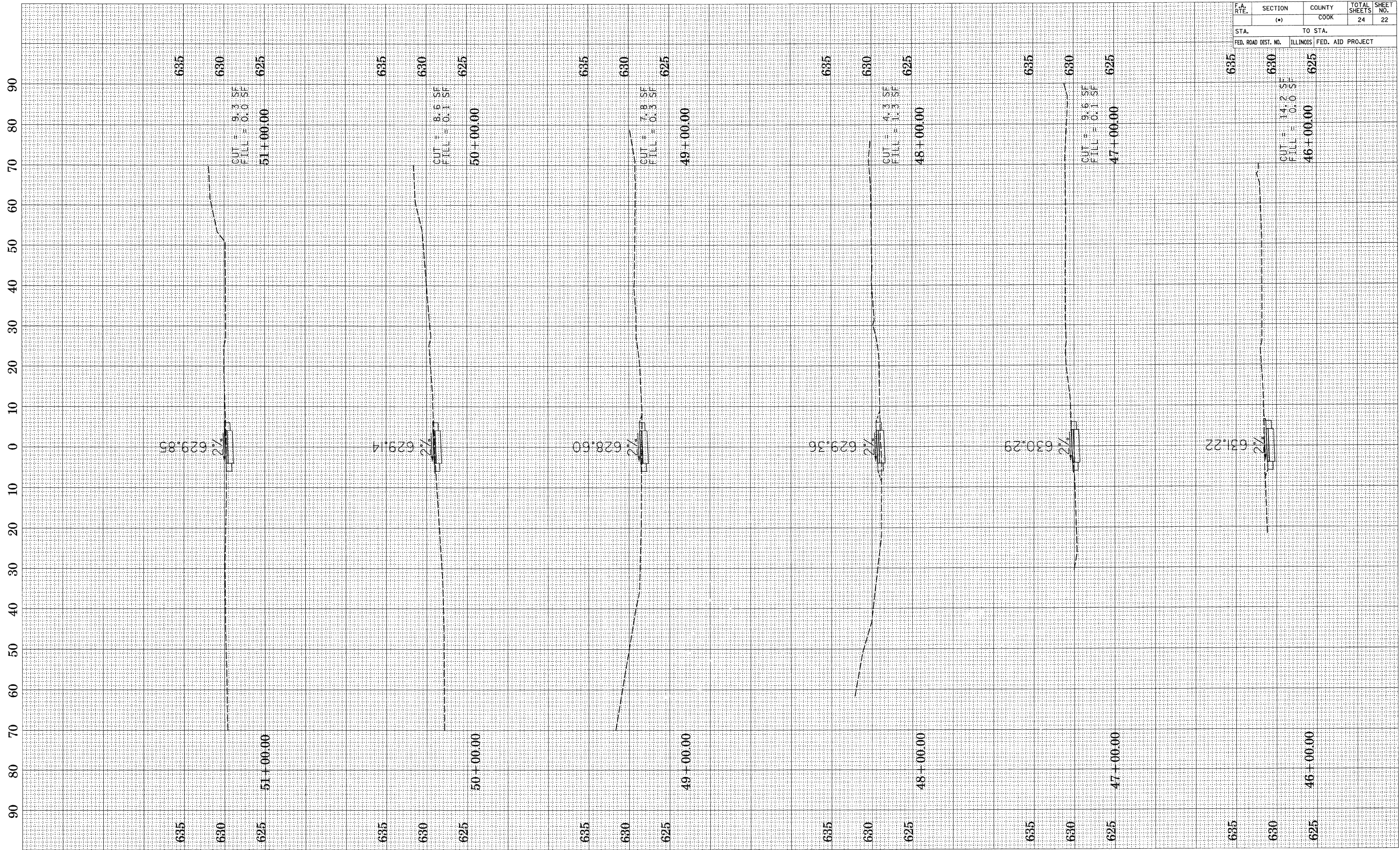
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SCALE VERT. 1" = 5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(*)	(*)	COOK	24	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



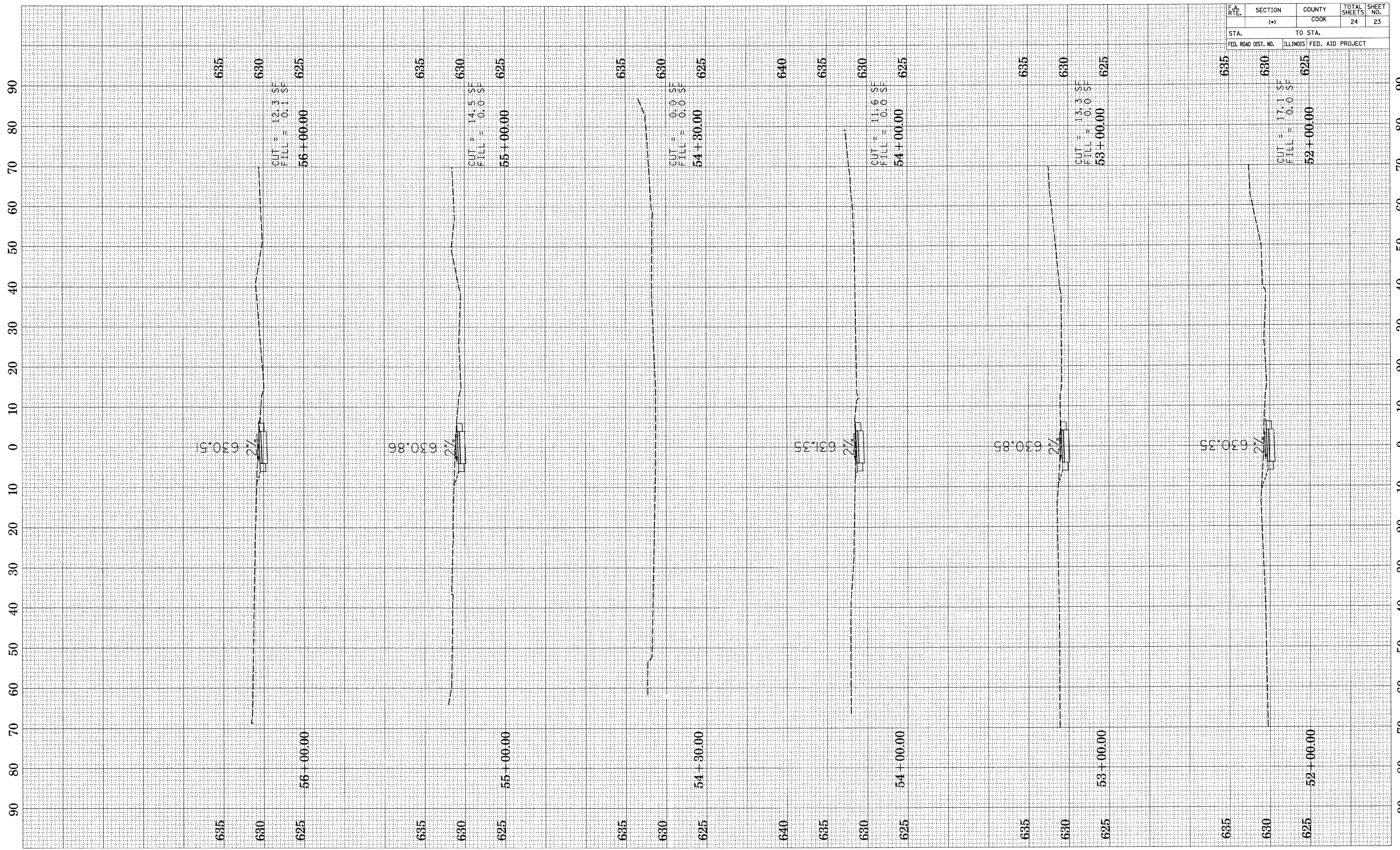
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SCALE VERT. 1" = 5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(*)	COOK	24	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



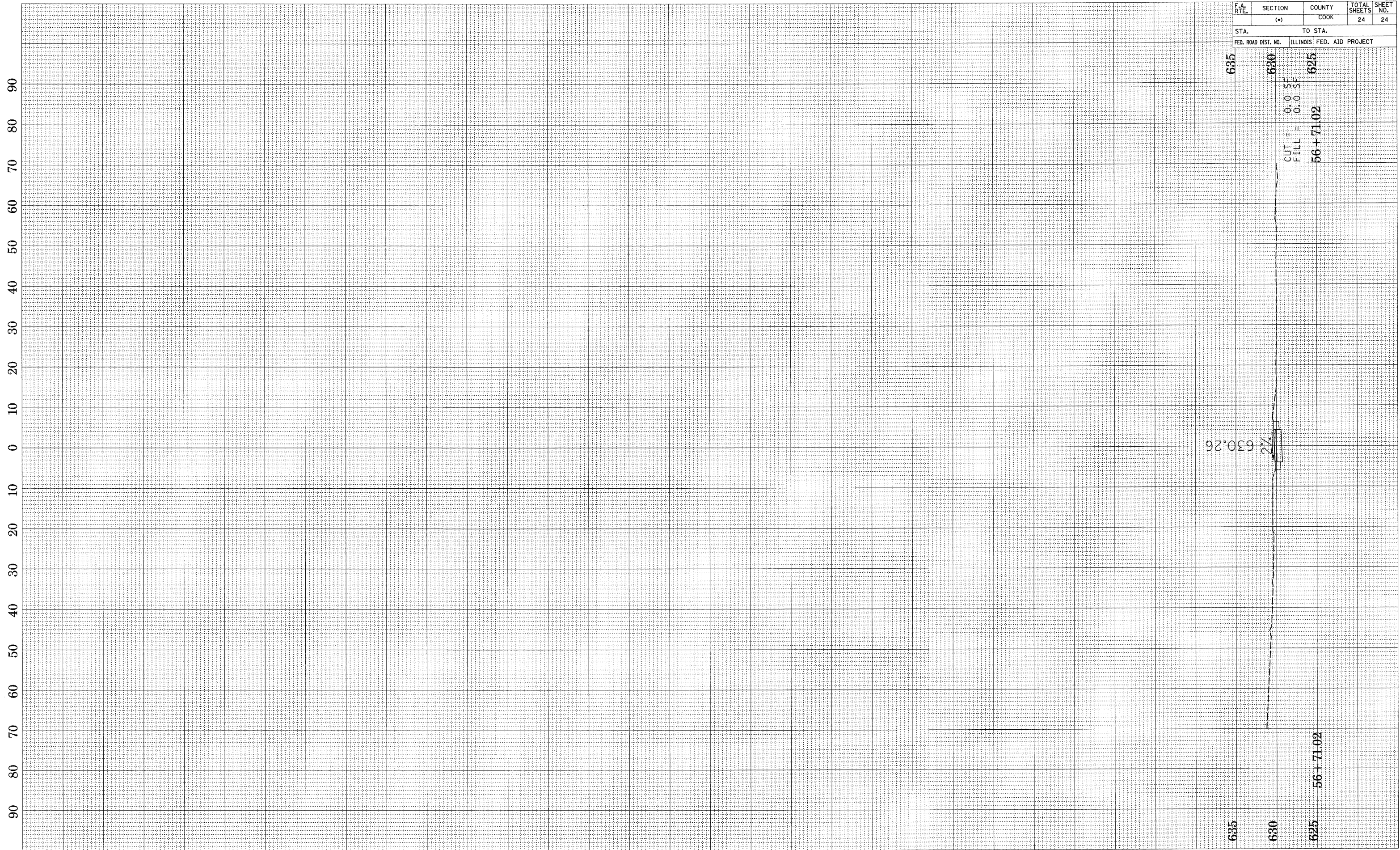
SCALE HORIZ. 1" = 10'  
SCALE VERT. 1" = 5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(*)	(*)	COOK	24	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SCALE HORIZ. 1" = 10'  
SCALE VERT. 1" = 5'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(*)	COOK	24	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



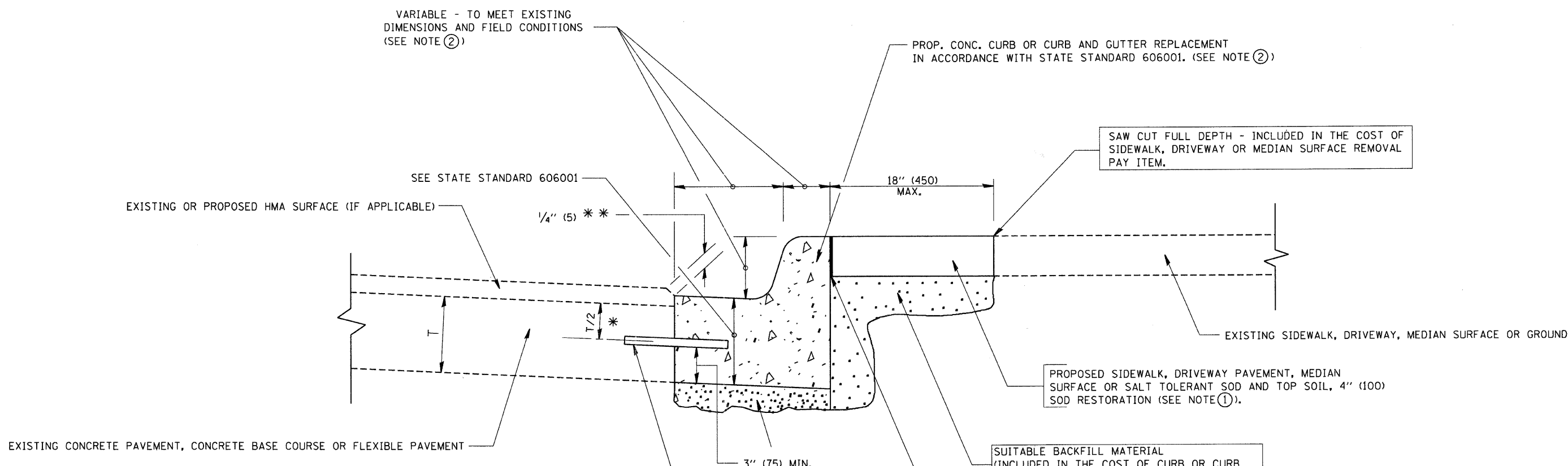
630.26  
2 1/2'

CUT = 0.0 SF  
FILL = 0.0 SF  
56+71.02

56+71.02

SCALE HORIZ. 1" = 10'  
SCALE VERT. 1" = 5'





\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

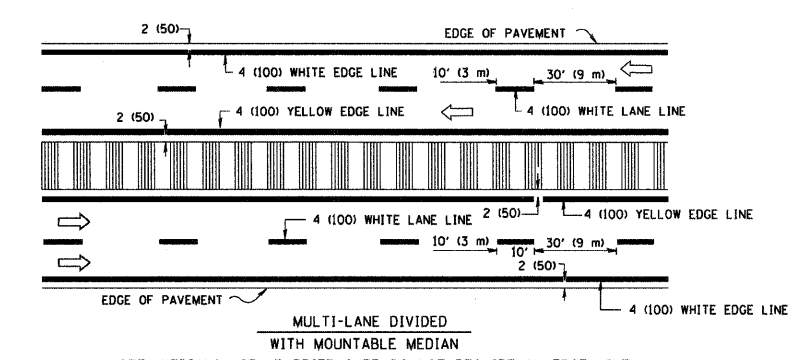
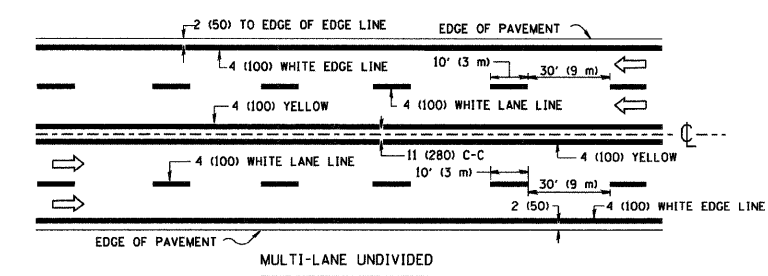
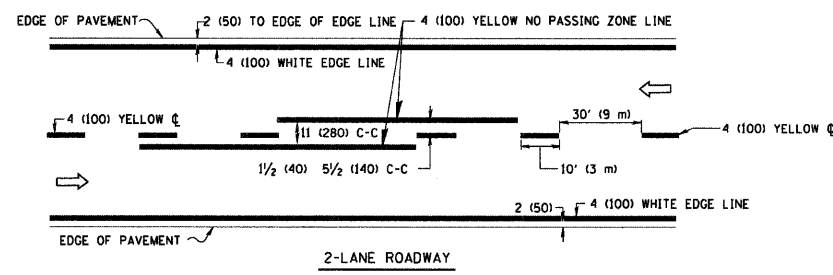
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

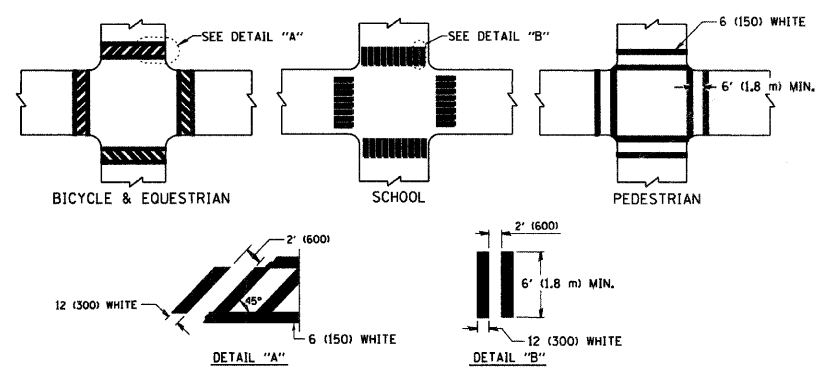
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dststd\22x34\bd24.dgn	USER NAME = gaglionobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97							
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 01-22-01							
		DATE - 03-11-94	REVISED - R. BORO 01-01-07		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.		TO STA.
						BD600-06 (BD-24)		CONTRACT NO. 03170		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT										

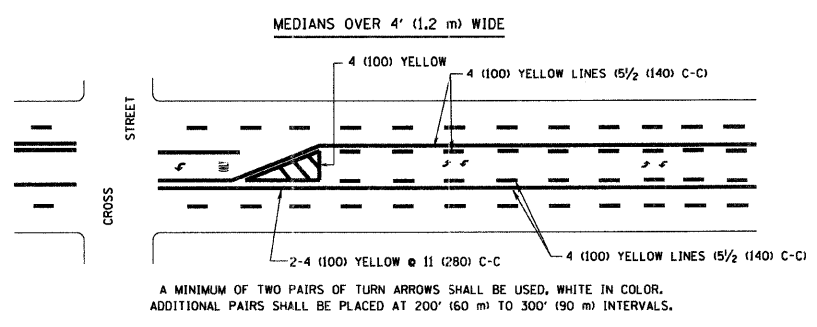
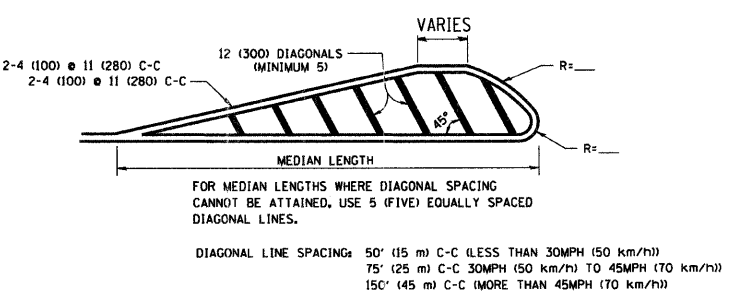
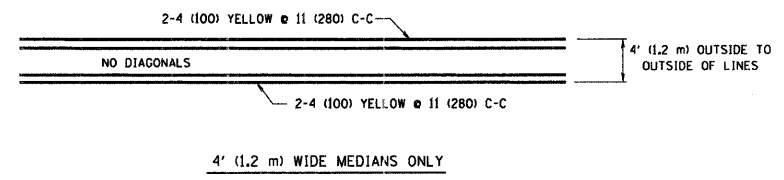


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

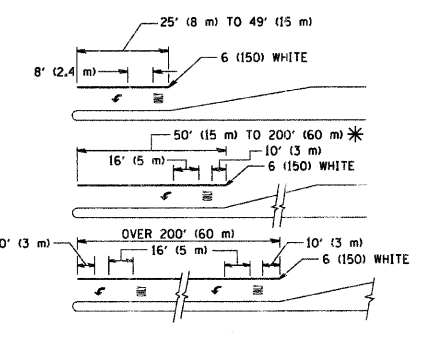
**TYPICAL LANE AND EDGE LINE MARKING**



**TYPICAL CROSSWALK MARKING**

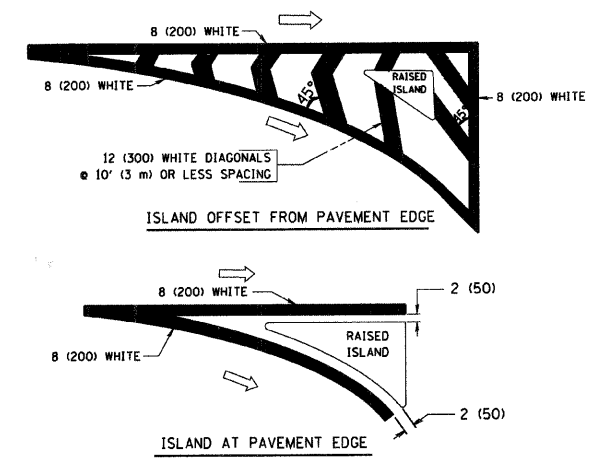


**TYPICAL PAINTED MEDIAN MARKING**



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 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 1/2 (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)	SAME AS LINE BEING EXTENDED	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 1/2 (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 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) 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.