

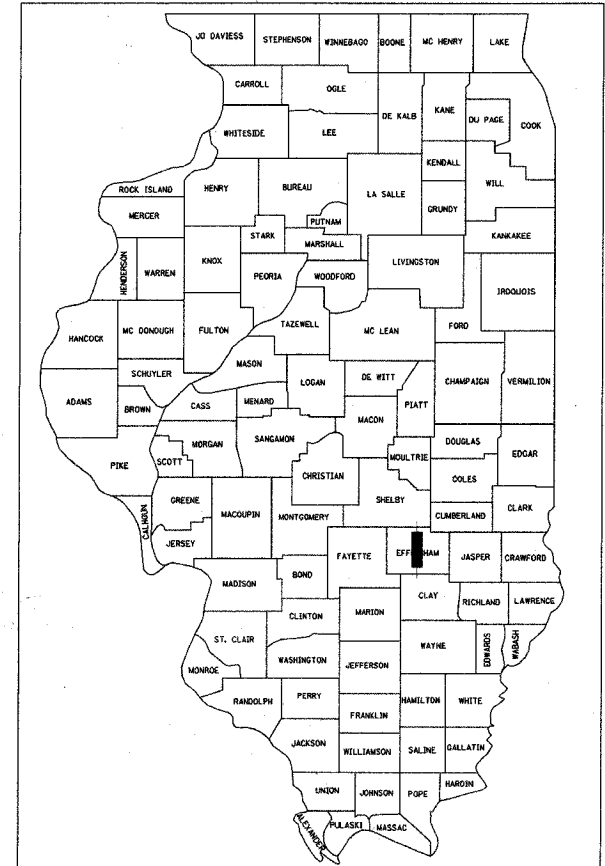
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	1

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU ROUTE 8361
SECTION 05-00083-08-SP
PROJECT HPD-1231(007)
JOB NO. C-97-093-05
EFFINGHAM COUNTY



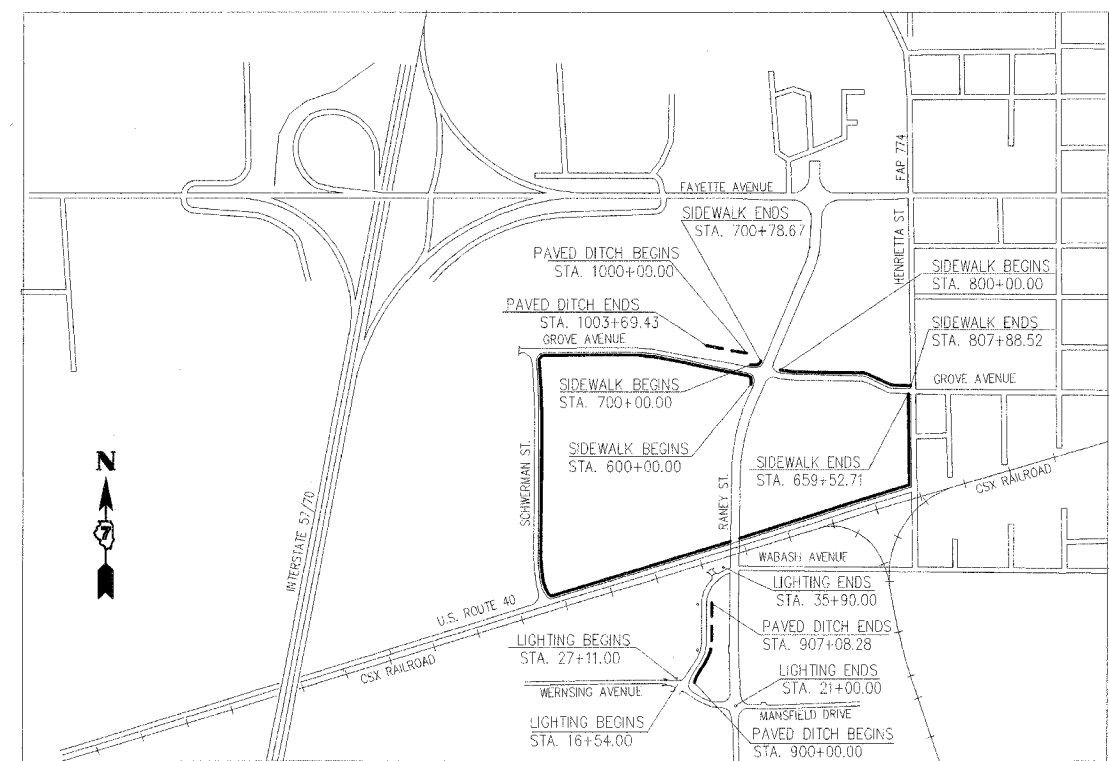
LOCATION OF SECTION INDICATED THUS: - ■ -

I.D.O.T. STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-04 CURB RAMPS FOR SIDEWALKS
- 602301-01 INLET - TYPE A
- 602306-01 INLET - TYPE B
- 604001-02 FRAME AND LIDS TYPE 1
- 606001-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-02 OFF-RD OPERATIONS, 2L, 2W, 4.5m(15') TO 600mm(24") FROM PAVEMENT EDGE
- 701101-01 OFF-RD OPERATIONS, MULTILANE, 4.5m(15') TO 600mm(24") FROM PAVEMENT EDGE
- 702001-06 TRAFFIC CONTROL DEVICES
- 814001 CONCRETE HANDHOLES
- 701301-02 LANE CLOSURE, 2L,2W, SHORT TIME OPER.

UTILITY NOTE

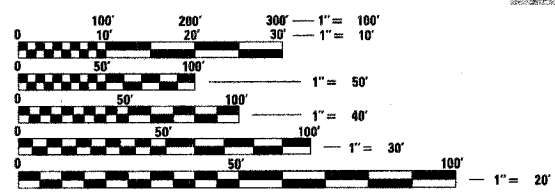
THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



NET LENGTH OF PROJECT:

- SIDEWALK ALONG NW QUADRANT OF INTERSECTION OF RANEY ST. & GROVE AVE. - 78.67 FT
- SIDEWALK ALONG NORTH SIDE OF GROVE AVE. FROM RANEY ST. TO HENRIETTA ST. - 788.52 FT
- SIDEWALK ALONG GROVE AVE., SCHWERMAN ST., U.S. ROUTE 40, HENRIETTA ST. - 5952.71 FT
- PAVED DITCH ALONG GROVE AVE. - 369.43 FT
- PAVED DITCH ALONG WABASH AVE. - 708.28 FT
- LIGHTING ALONG WABASH AVE. - 879.0 FT
- LIGHTING ALONG WERNSING AVE. - 446.0 FT

TOLL FREE
JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
(J.U.L.I.E.) TELEPHONE NUMBER
1-800-892-0123



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.

CONTRACT NO. 95474

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1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide
REGISTRATION NO. 184-001084

APPROVED 4-18 2006
Shawn W. Miller
CITY ENGINEER

PASSED 4-18 2006
Maureen K. East
DISTRICT SEVEN ENGINEER OF
LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review 4-18 2006
Christ M. Resch
REGIONAL DIRECTOR OF HIGHWAYS,
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JERRY T. BALL
062-050490
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Jerry T. Ball
DATE: 04/07/06
LIC. EXP. DATE: 11/30/07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	2
STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

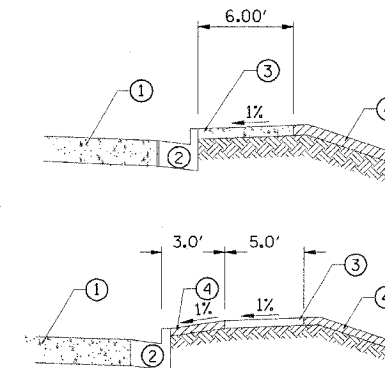
- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES, LEGEND AND TYPICAL SECTIONS
- 3 ALIGNMENTS AND BENCHMARKS
- 4 SUMMARY OF QUANTITIES
- 5 SCHEDULE OF QUANTITIES
- 6-12 SIDEWALK PLANS
- 13-30 SIDEWALK CROSS SECTIONS
- 31 ARTICULATED BLOCK MAT PLANS
- 32-35 ARTICULATED BLOCK MAT CROSS SECTIONS
- 36 EROSION CONTROL PLANS
- 37-40 LIGHTING PLANS

GENERAL NOTES

1. ALL CASTINGS TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE CITY OF EFFINGHAM. UPON REMOVAL, THE CONTRACTOR SHALL STOCKPILE THE CASTINGS AT A LOCATION WITHIN THE CONSTRUCTION LIMITS AS SPECIFIED BY THE ENGINEER FOR REMOVAL BY THE CITY.
2. THE FINAL FOUR INCHES OF SOIL, IN ANY AREA DISTURBED BY THE CONTRACTOR, MUST MEET THE REQUIREMENTS FOR TOPSOIL IN ARTICLE 1081.05 OF THE STANDARD SPECIFICATIONS. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED AND FERTILIZED IN ACCORDANCE WITH SECTION 250 AND MULCHED IN ACCORDANCE WITH SECTION 251 MULCH METHOD 2 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
3. ALL SIDEWALK CROSS SLOPES SHALL BE LESS THAN 2% AND ALL SIDEWALK LONGITUDINAL SLOPES SHALL BE LESS THAN 5% TO MEET ADA REQUIREMENTS.
4. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
5. THE FOLLOWING HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
NITROGEN FERTILIZER NUTRIENT - 90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT - 90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT - 90 LBS/ACRES
AGRICULTURAL GROUND LIMESTONE - 2 TONS/ACRE
MULCH - 2 TONS/ACRE
6. FILTER FABRIC PLACED UNDER THE ARTICULATED BLOCK MAT SHALL BE INCLUDED IN THE COST FOR ARTICULATED BLOCK MAT. THE OPEN CELLS SHALL BE FILLED WITH TOPSOIL AND SEEDS.
7. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH AN EROSION CONTROL BLANKET AS INDICATED IN SECTION 251 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE COST FOR THIS SHALL BE INCLUDED IN THE COST FOR SEEDING.
8. ELEVATIONS ARE BASED ON N.A.V.D. 88.
9. EXISTING ELECTRIC, TELEPHONE AND WATER UTILITIES TO BE RELOCATED/ ADJUSTED BY OTHERS UNLESS OTHERWISE NOTED.
10. ANY DAMAGE TO UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS
11. THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
12. IN ACCORDANCE WITH STATE OF ILLINOIS PUBLIC ACT 86-0674, THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES NOT MORE THAN 14 DAYS NOR LESS THAN 48 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION.

J.U.L.I.E. TELEPHONE NUMBER - 1-800-892-0123

KNOWN UTILITIES LOCATED WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
ILLINOIS CONSOLIDATED TELEPHONE COMPANY
AMEREN CIPS - GAS & ELECTRIC
CITY OF EFFINGHAM - WATER & SEWER



TYPICAL SECTION

- ① EXISTING PAVEMENT
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SLOPE VARIES, SEE CROSS SECTIONS)
- ④ PROPOSED TOP SOIL PLACEMENT, 4"

PROPOSED TYPICAL SECTIONS

LEGEND

EXISTING		PROPOSED	
- - - - -	EDGE OF PAVEMENT	=====	SIDEWALK
- - - - -	EDGE OF SHOULDER	⊗⊗⊗⊗⊗	ARTICULATED BLOCK MAT
⊗	LIGHT POLE	ADJ	ITEM TO BE ADJUSTED
⊠	POWER POLE	SSW#	STORM SEWER PIPE SCHEDULE REFERENCE NUMBER
-----	RIGHT OF WAY	SSW#	STORM SEWER STRUCTURE SCHEDULE REFERENCE NUMBER
-x-x-x-	FENCE	—	INLET
P	SIGN	—	STORM SEWER
- - - - -	CULVERT		
⊙	FIRE HYDRANT		
—E—	AERIAL ELECTRIC LINE		
U	INLET		
⊙	MANHOLE		
∇	FLARED END SECTION		
WM	WATER METER		
WV	WATER VALVE		
GM	GAS METER		
GV	GAS VALVE		
TSB	TELEPHONE SPLICE BOX		
FO	FIBER OPTIC MARKER		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS, LEGEND AND GENERAL NOTES
NAME	DATE	

SCALE: VERT. _____
HORIZ. _____
DATE 03/24/06

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CHECKED BY JTB

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PLOT DATE = 04/06/2006 03:31 PM
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USER NAME = JAP

LAYOUT: MH 03/24/06
DRAWN: JAP 03/24/06
REVIEWED: JTB 03/24/06

CONTRACT NO. 95474

Table with columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO.

SWMAIN

Table with columns: CURVE/POINT, CURVE INFO, POINT, STATION, NORTHING, EASTING, BEARING. Rows include SWMAIN-1 through SWMAIN-13.

SWGRO1

Table with columns: CURVE/POINT, CURVE INFO, POINT, STATION, NORTHING, EASTING, BEARING. Rows include SWGRO1-1 and SWGRO1-2.

SWGRO2

Table with columns: CURVE/POINT, CURVE INFO, POINT, STATION, NORTHING, EASTING, BEARING. Rows include SWGRO2-1, SWGRO2-2, and SWG202.

PDWAB

Table with columns: CURVE/POINT, CURVE INFO, POINT, STATION, NORTHING, EASTING, BEARING. Rows include PDW10, PDWAB-1, PDWAB-2, PDWAB-3, and PDW11.

PDGRV

Table with columns: CURVE/POINT, CURVE INFO, POINT, STATION, NORTHING, EASTING, BEARING. Rows include PDGRV1 and PDGRV2.

BENCHMARK DATA

Table with columns: BENCHMARK #, DESCRIPTION, ELEV. Rows include BM #1 through BM #5.



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ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENTS AND BENCHMARKS
SCALE: VERT. HORIZ. DATE 03/24/06 DRAWN BY JAP CHECKED BY JTB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SFTY-18

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20800150	TRENCH BACKFILL	CU YD	6.8
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	785
* 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.3
28000300	TEMPORARY DITCH CHECKS	EACH	7
28000400	PERIMETER EROSION BARRIER	FOOT	3,205
28000500	INLET AND PIPE PROTECTION	EACH	14
28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	950
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	34,560
42400800	DETECTABLE WARNINGS	SQ FT	48
* 44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	72
* 550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	4
* 550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	41
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1
60255500	MANHOLES TO BE ADJUSTED	EACH	6
60260100	INLETS TO BE ADJUSTED	EACH	1
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2
67100100	MOBILIZATION	L SUM	1
Δ * 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
Δ * 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LS	1
Δ 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	30
Δ * 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	50
Δ * 81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	450
Δ * 81400400	CONCRETE HANDHOLE	EACH	1
Δ 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,300
Δ 81700130	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 2	FOOT	140
Δ 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	10
Δ 82500510	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 240VOLT	EACH	1
Δ 83000500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. DAVIT ARM	EACH	10
Δ 83600350	LIGHT POLE FOUNDATION METAL, 1" BOLT CIRCLE, 8" X6"	EACH	10
Δ * XX003763	UNIT DUCT, WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 1 1/4" DIAMETER POLYETHYLENE	FOOT	1,500
Δ * X8160165	UNIT DUCT, WITH 2-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 1 1/4" DIAMETER POLYETHYLENE	FOOT	246

* SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT.
 HORIZ.
 DATE 03/24/06

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 DRAWN: JTB 03/24/06
 REVIEWED: JTB 03/24/06
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	6
STA. 600+00.00		TO STA. 610+00.00		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

NOTES

1. ALL PROPOSED SIDEWALK RAMPs SHALL BE CONSTRUCTED ACCORDING TO IDOT STANDARD 424001-04

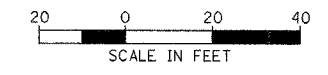
PROP. CURVE SWMAIN-1
 PI STA. = 600+21.57
 $\Delta = 27^\circ 07' 36''$ (LT)
 $D = 64^\circ 04' 38''$
 $R = 89.42'$
 $T = 21.57'$
 $L = 42.33'$
 $E = 2.57'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA = 600+00.00
 P.T. STA = 600+42.33

PROP. CURVE SWMAIN-2
 PI STA. = 600+71.46
 $\Delta = 72^\circ 55' 29''$ (LT)
 $D = 145^\circ 21' 33''$
 $R = 39.42'$
 $T = 29.13'$
 $L = 50.17'$
 $E = 9.59'$
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 T.R. = ---
 S.E. RUN = ---
 P.C. STA = 600+42.33
 P.T. STA = 600+92.50

PROP. CURVE SWGR01-1
 PI STA. = 700+21.57
 $\Delta = 27^\circ 07' 36''$ (LT)
 $D = 64^\circ 04' 38''$
 $R = 89.42'$
 $T = 21.57'$
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 S.E. RUN = ---
 P.C. STA = 700+00.00
 P.T. STA = 700+42.33

PROP. CURVE SWGR01-2
 PI STA. = 700+61.91
 $\Delta = 52^\circ 49' 19''$ (LT)
 $D = 145^\circ 21' 33''$
 $R = 39.42'$
 $T = 19.58'$
 $L = 36.34'$
 $E = 4.59'$
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 T.R. = ---
 S.E. RUN = ---
 P.C. STA = 700+42.33
 P.T. STA = 700+78.67

PROP. CURVE SWMAIN-3
 PI STA. = 607+26.25
 $\Delta = 10^\circ 55' 41''$ (LT)
 $D = 5^\circ 43' 51''$
 $R = 999.79'$
 $T = 95.64'$
 $L = 190.69'$
 $E = 4.56'$
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 T.R. = ---
 S.E. RUN = ---
 P.C. STA = 606+30.61
 P.T. STA = 608+21.30



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

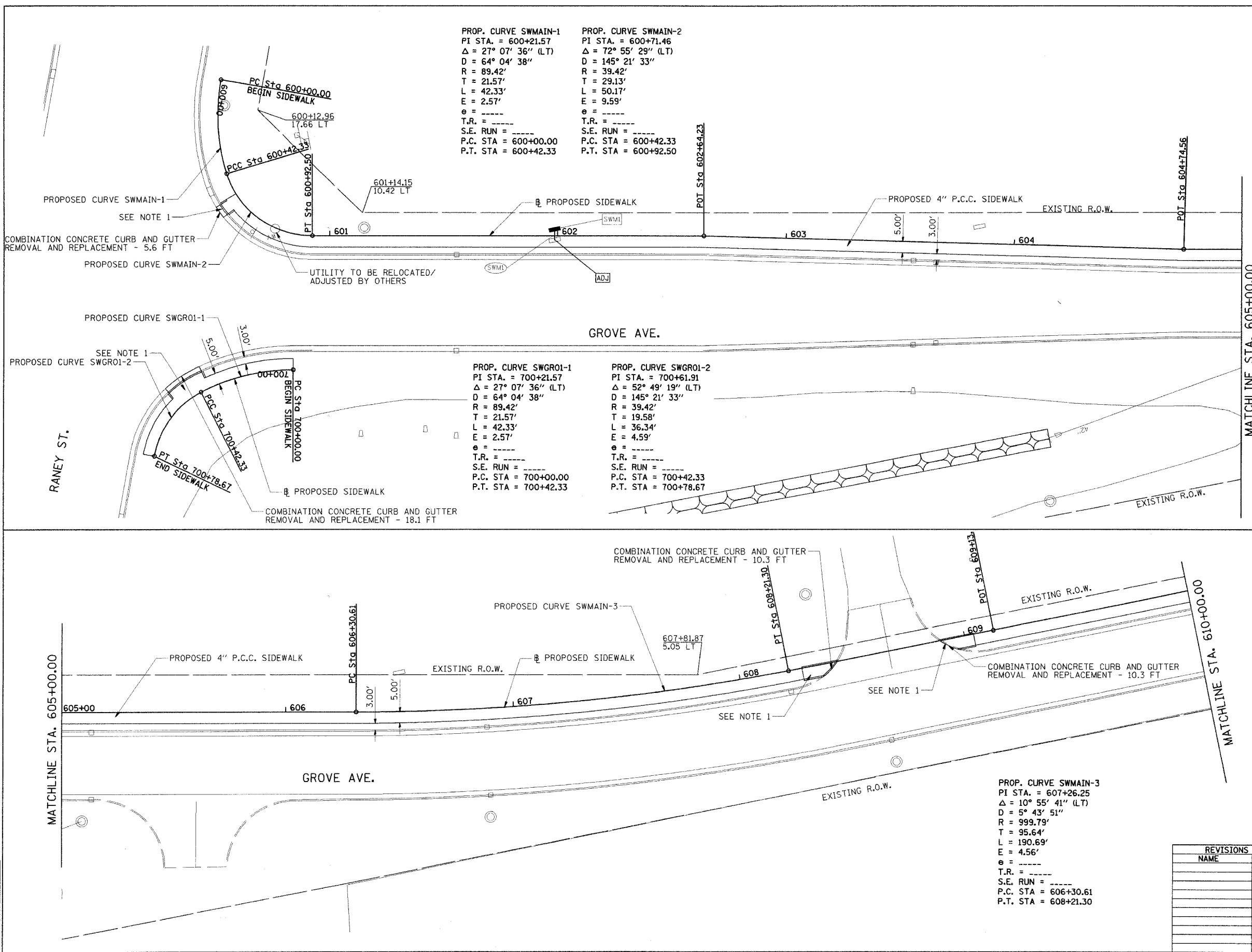
**PROPOSED SIDEWALK PLAN
 GROVE AVE.**

VERT. SCALE: 1"=20'
 DATE 03/24/06

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 CHECKED BY JTB

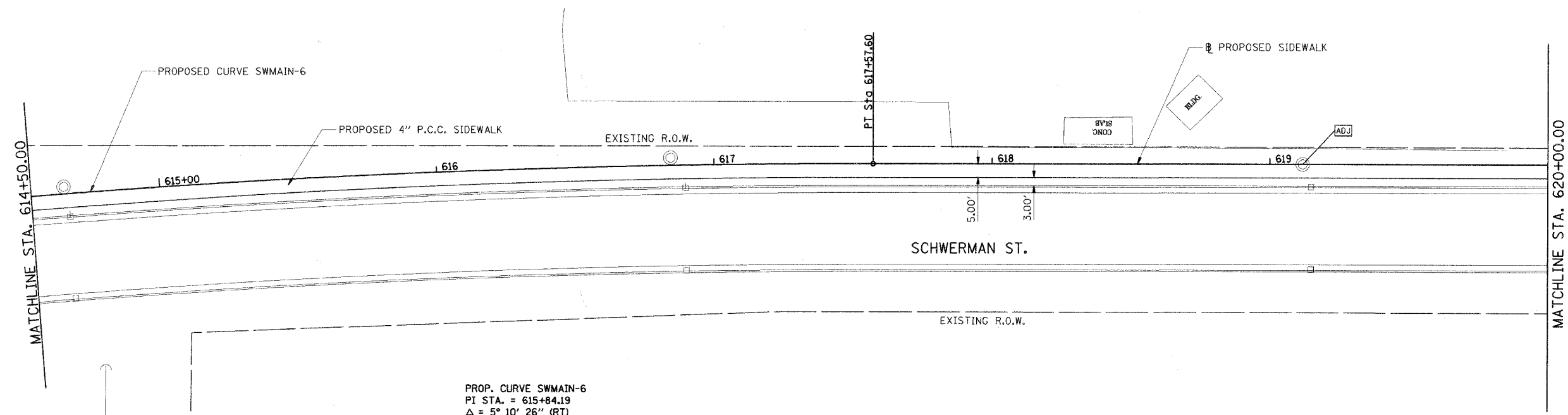
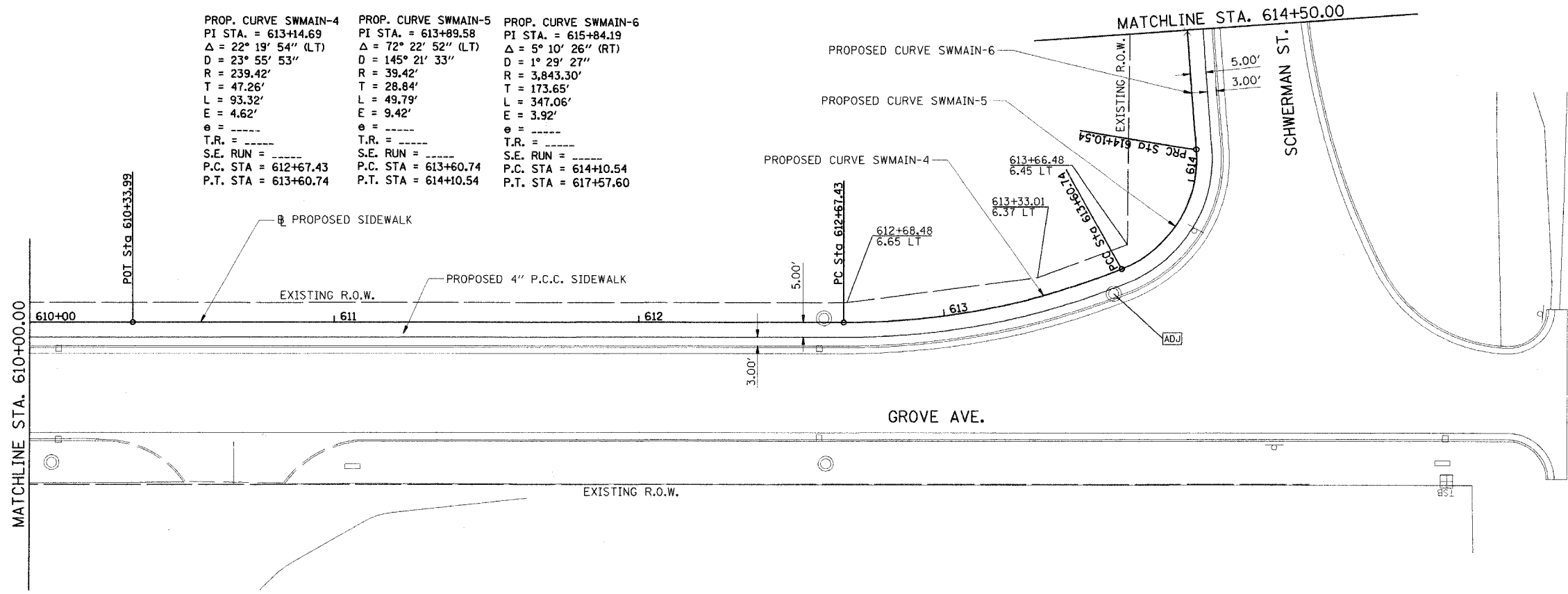
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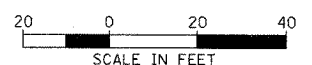


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	7
STA. 610+00.00		TO STA. 620+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

<p>PROP. CURVE SWMAIN-4 PI STA. = 613+14.69 $\Delta = 22^\circ 19' 54''$ (LT) D = 23' 55' 53" R = 239.42' T = 47.26' L = 93.32' E = 4.62' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 612+67.43 P.T. STA = 613+60.74</p>	<p>PROP. CURVE SWMAIN-5 PI STA. = 613+89.58 $\Delta = 72^\circ 22' 52''$ (LT) D = 145' 21' 33" R = 39.42' T = 28.84' L = 49.79' E = 9.42' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 613+60.74 P.T. STA = 614+10.54</p>	<p>PROP. CURVE SWMAIN-6 PI STA. = 615+84.19 $\Delta = 5^\circ 10' 26''$ (RT) D = 1' 29' 27" R = 3,843.30' T = 173.65' L = 347.06' E = 3.92' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 614+10.54 P.T. STA = 617+57.60</p>
--	--	--



<p>PROP. CURVE SWMAIN-6 PI STA. = 615+84.19 $\Delta = 5^\circ 10' 26''$ (RT) D = 1' 29' 27" R = 3,843.30' T = 173.65' L = 347.06' E = 3.92' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 614+10.54 P.T. STA = 617+57.60</p>
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REVISIONS	
NAME	DATE

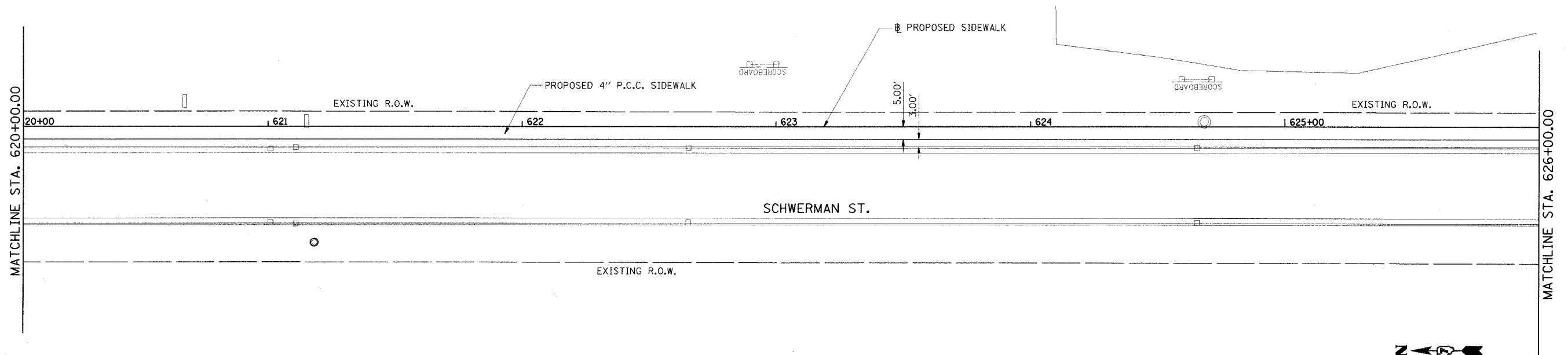
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROPOSED SIDEWALK PLAN
 GROVE AVE. AND SCHWERMAN ST.**

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 03/24/06

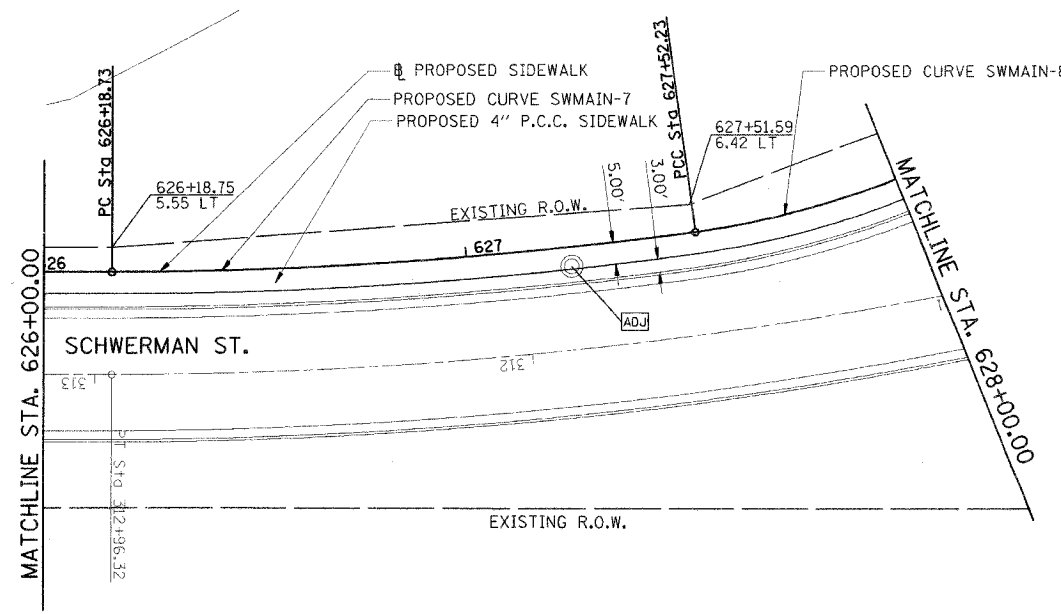
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 CHECKED BY DEF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	8
STA. 620+00.00		TO STA. 628+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



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PROP. CURVE SWMAIN-7 PI STA. = 626+85.59 $\Delta = 7^\circ 51' 45''$ (LT) $D = 5^\circ 53' 22''$ $R = 972.87'$ $T = 66.86'$ $L = 133.50'$ $E = 2.29'$ $\theta = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA = 626+18.73 P.T. STA = 627+52.23	PROP. CURVE SWMAIN-8 PI STA. = 628+08.75 $\Delta = 31^\circ 55' 03''$ (LT) $D = 28^\circ 59' 27''$ $R = 197.63'$ $T = 56.52'$ $L = 110.09'$ $E = 7.92'$ $\theta = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA = 627+52.23 P.T. STA = 628+62.32
---	---



DATE	03/24/06
PLT	JAP
CHK	JTB
APP	JTB
DES	JTB
ENG	JTB
REV	JTB
DATE	03/24/06
PLT	JAP
CHK	JTB
APP	JTB
DES	JTB
ENG	JTB
REV	JTB

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROPOSED SIDEWALK PLAN
 SCHWERMANN ST.**

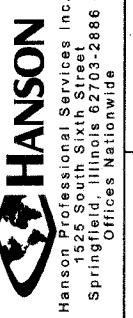
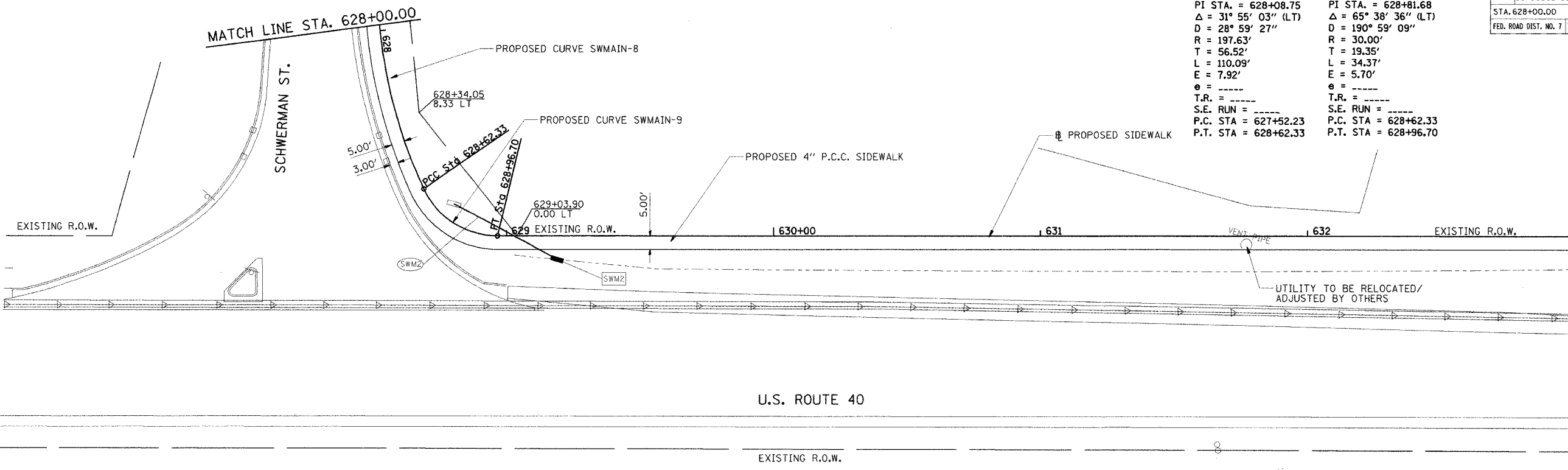
SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 03/24/06

DRAWN BY JAP
 CHECKED BY JTB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	9
STA. 628+00.00 TO STA. 638+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

PROP. CURVE SWMAIN-8
 PI STA. = 628+08.75
 Δ = 31° 55' 03" (LT)
 D = 28° 59' 27"
 R = 197.63'
 T = 56.52'
 L = 110.09'
 E = 7.92'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 627+52.23
 P.T. STA = 628+62.33

PROP. CURVE SWMAIN-9
 PI STA. = 628+81.68
 Δ = 65° 38' 36" (LT)
 D = 190° 59' 09"
 R = 30.00'
 T = 19.35'
 L = 34.37'
 E = 5.70'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 628+62.33
 P.T. STA = 628+96.70

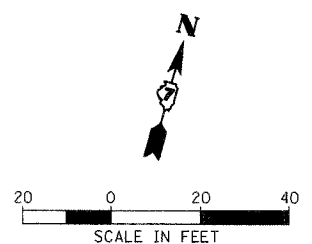
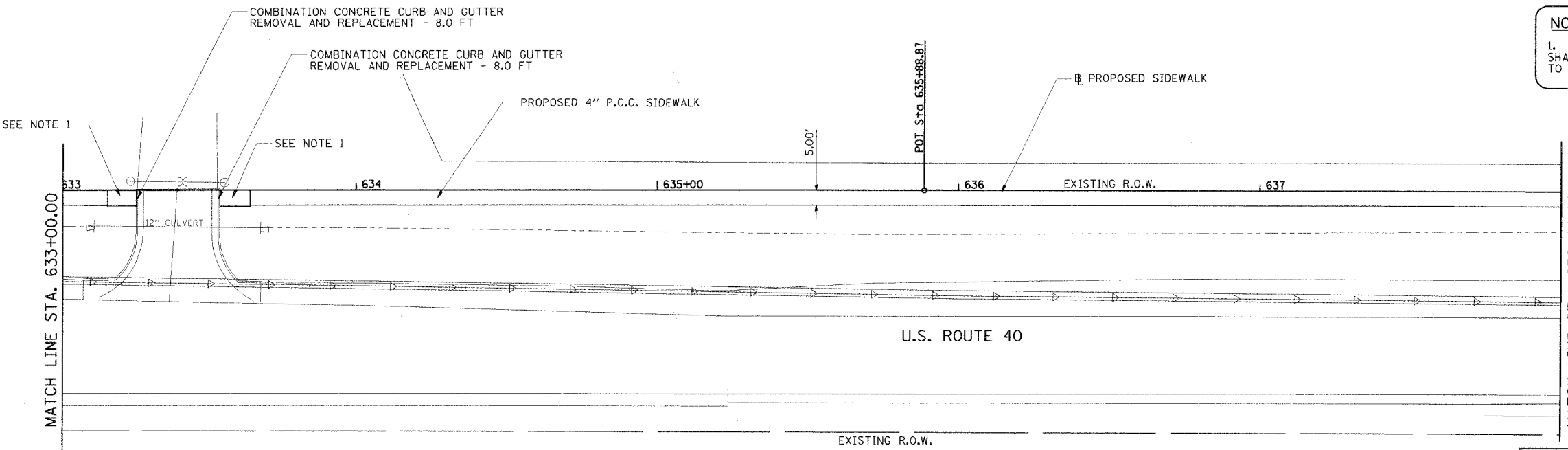


Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

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 USER NAME = Jao

LAYOUT	MH
JAP	03/24/06
JTB	03/24/06

NOTES
 1. ALL PROPOSED SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO IDOT STANDARD 424001-04



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

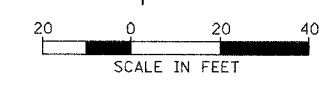
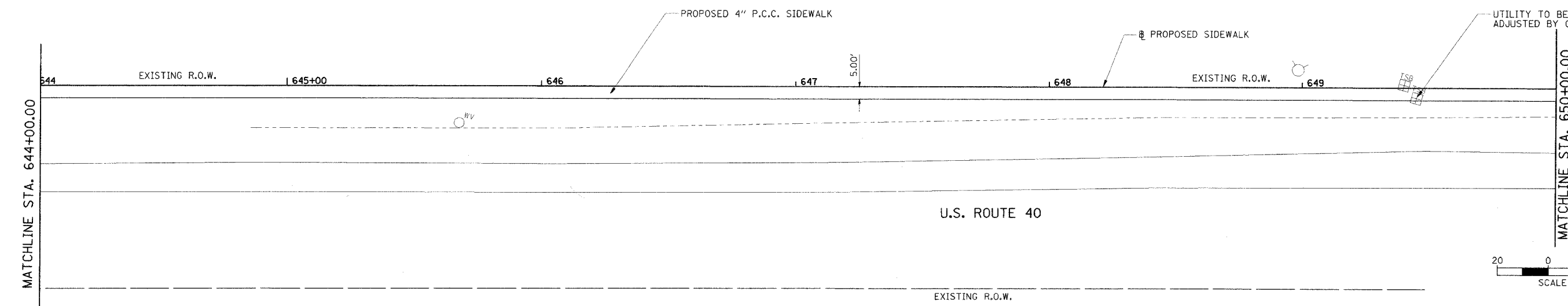
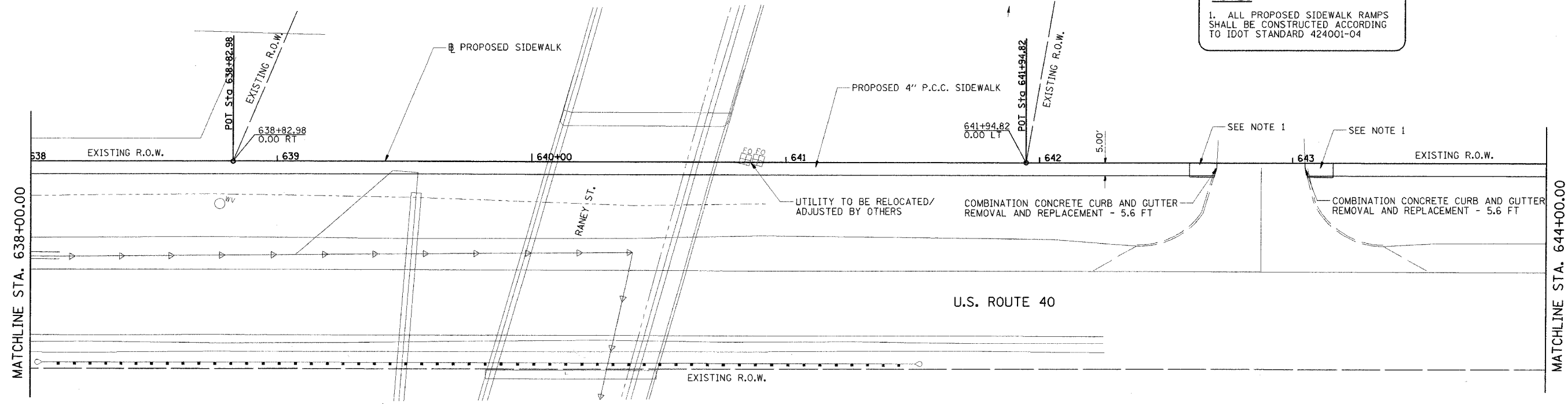
**PROPOSED SIDEWALK PLAN
 U.S. ROUTE 40**

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 03/24/06

DRAWN BY JAP
 CHECKED BY JTB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	10
STA. 638+00.00		TO STA. 650+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

NOTES
 1. ALL PROPOSED SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO IDOT STANDARD 424001-04



HANSON
 Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2888
 Offices Nationwide

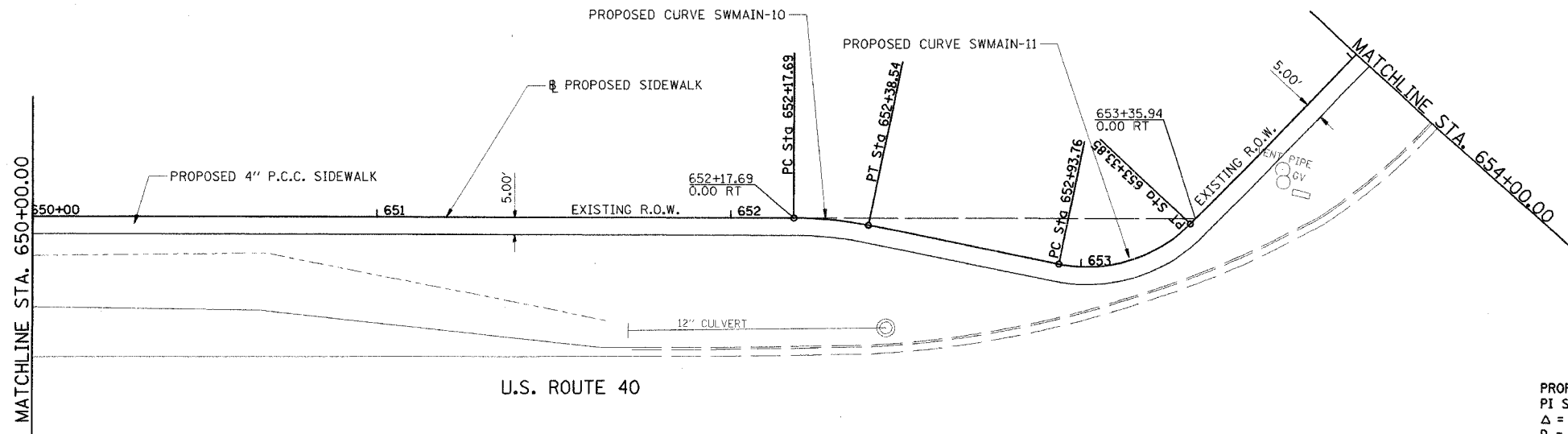
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 USER NAME = Jao

LAYOUT	JTB	03/24/06
DRAWN	JAP	03/22/06
REVIEWED	JTB	03/22/06

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED SIDEWALK PLAN
U.S. ROUTE 40
 SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 03/24/06
 DRAWN BY JAP
 CHECKED BY JTB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	11
STA. 650+00.00		TO STA. 659+54.91		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

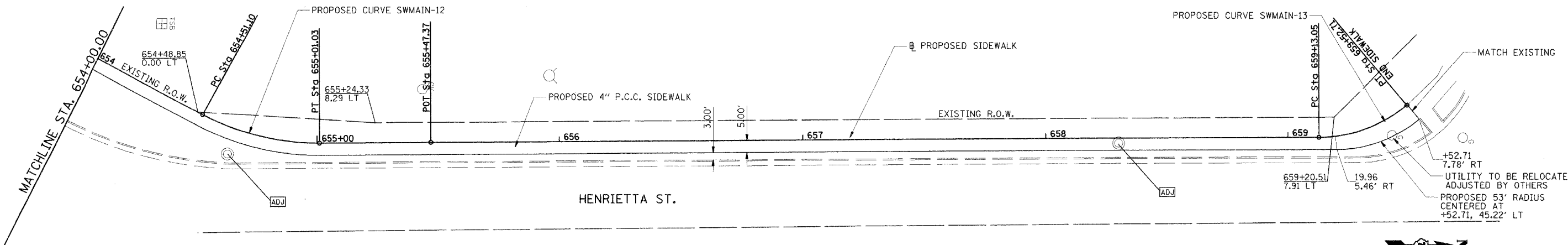


PROP. CURVE SWMAIN-10 PI STA. = 652+28.15 $\Delta = 11^\circ 22' 45''$ (RT) $D = 54^\circ 34' 03''$ $R = 105.00'$ $T = 10.46'$ $L = 20.85'$ $E = 0.52'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 652+17.69 P.T. STA = 652+38.54	PROP. CURVE SWMAIN-11 PI STA. = 653+15.67 $\Delta = 57^\circ 25' 31''$ (LT) $D = 143^\circ 14' 22''$ $R = 40.00'$ $T = 21.91'$ $L = 40.09'$ $E = 5.61'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 652+93.76 P.T. STA = 653+33.85
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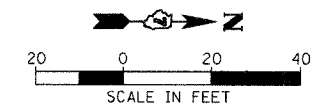


HANSON
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 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

PLOT DATE = 03/24/06 09:37 AM
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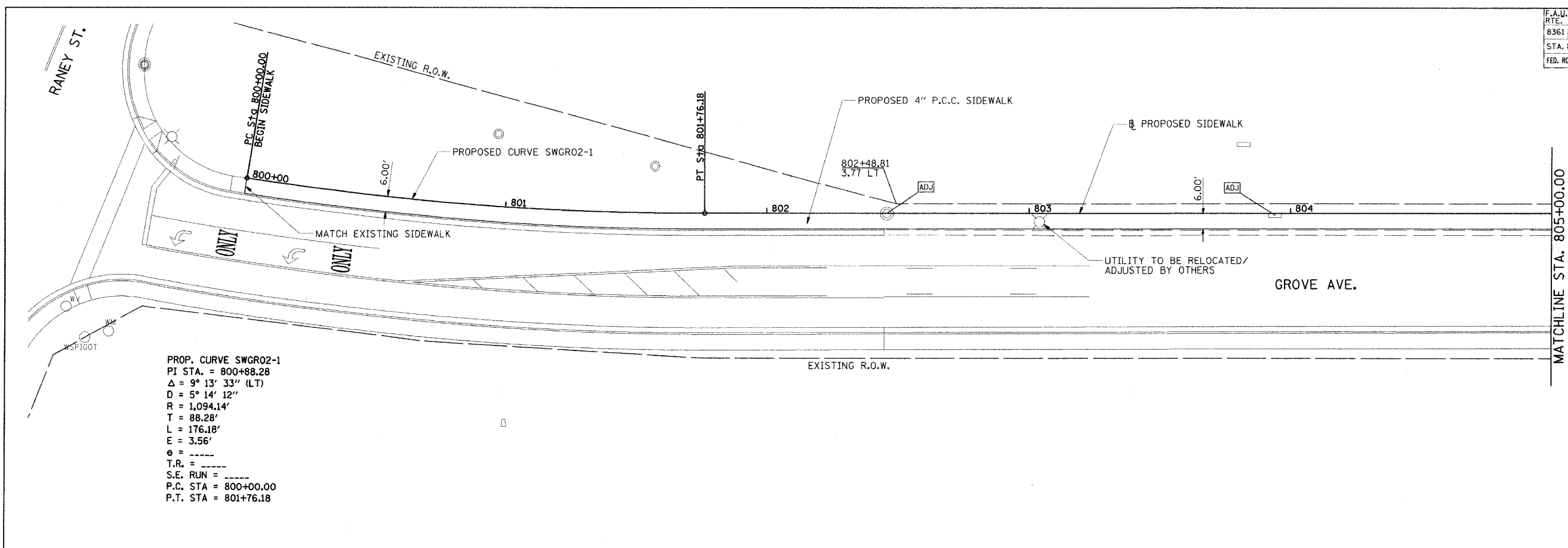
PROP. CURVE SWMAIN-12 PI STA. = 654+76.60 $\Delta = 28^\circ 36' 35''$ (LT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 25.50'$ $L = 49.93'$ $E = 3.20'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 654+51.10 P.T. STA = 655+01.03	PROP. CURVE SWMAIN-13 PI STA. = 659+33.72 $\Delta = 39^\circ 51' 54''$ (LT) $D = 100^\circ 31' 08''$ $R = 57.00'$ $T = 20.67'$ $L = 39.66'$ $E = 3.63'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 659+13.05 P.T. STA = 659+52.71
---	---



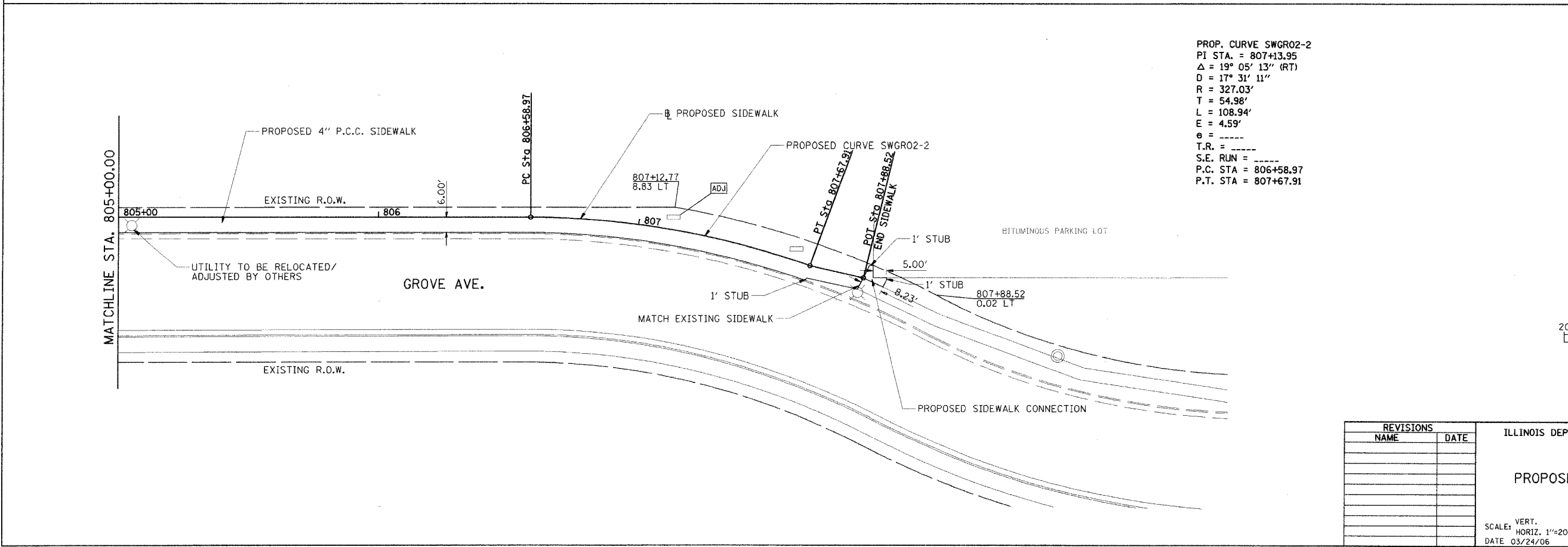
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED SIDEWALK PLAN
 U.S. ROUTE 40 AND HENRIETTA ST.
 SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 03/24/06
 DRAWN BY JAP
 CHECKED BY JTB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	12
STA. 800+00.00		TO STA. 807+88.52		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



PROP. CURVE SWGR02-1
 PI STA. = 800+88.28
 $\Delta = 9^\circ 13' 33''$ (LT)
 $D = 5^\circ 14' 12''$
 $R = 1,094.14'$
 $T = 88.28'$
 $L = 176.18'$
 $E = 3.56'$
 $\theta = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA = 800+00.00
 P.T. STA = 801+76.18



PROP. CURVE SWGR02-2
 PI STA. = 807+13.95
 $\Delta = 19^\circ 05' 13''$ (RT)
 $D = 17^\circ 31' 11''$
 $R = 327.03'$
 $T = 54.98'$
 $L = 108.94'$
 $E = 4.59'$
 $\theta = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA = 806+58.97
 P.T. STA = 807+67.91

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 Springfield, Illinois 62703-2886
 Offices Nationwide

LAYOUT: MW 03/24/06
 DRAWN: JTB 03/24/06
 CHECKED: JTB 03/24/06
 PLOT DATE: 03/24/06 8:03:37 AM
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 USER NAME: jao

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

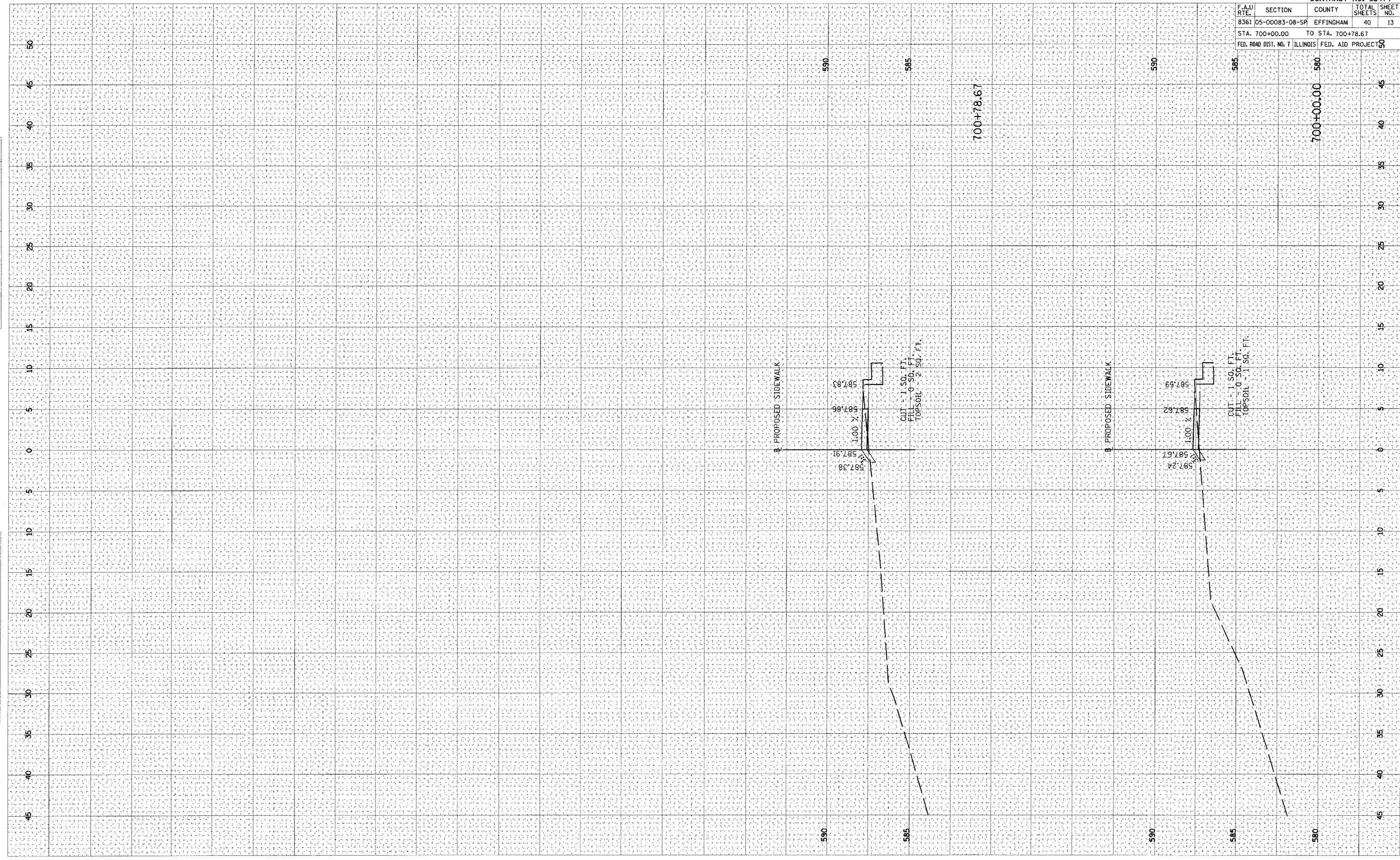
**PROPOSED SIDEWALK PLAN
 GROVE AVE.**

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 03/24/06

DRAWN BY JAP
 CHECKED BY JTB

PLOT DATE = 04/05/2006 03:30 M
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 USER NAME = DMP
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 SURVEY -
 DATE -
 BY -
 NO. _____
 AREAS CHECKED -

FINAL SURVEY -
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 PLOTTED -
 DATE -
 BY -
 NO. _____
 AREAS CHECKED -



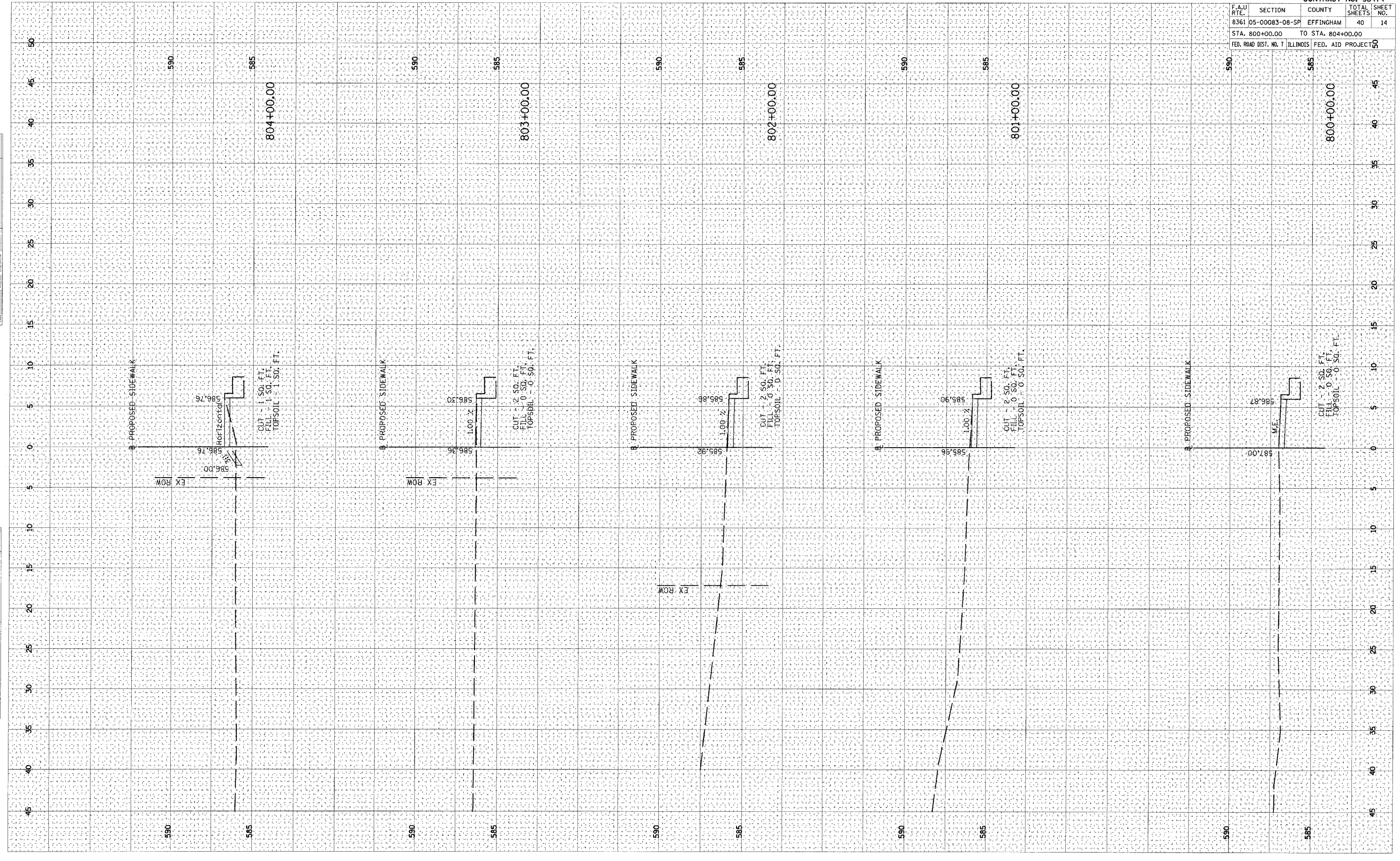
CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	13
STA. 700+00.00 TO STA. 700+78.67				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO.	

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED
 NO. _____ BY _____ DATE _____

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED
 NO. _____ BY _____ DATE _____

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 USER NAME = DAP

F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361 05-00083-08-SP		EFFINGHAM	ILLINOIS	40	14
STA. 800+00.00		TO STA. 804+00.00			
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT 00			

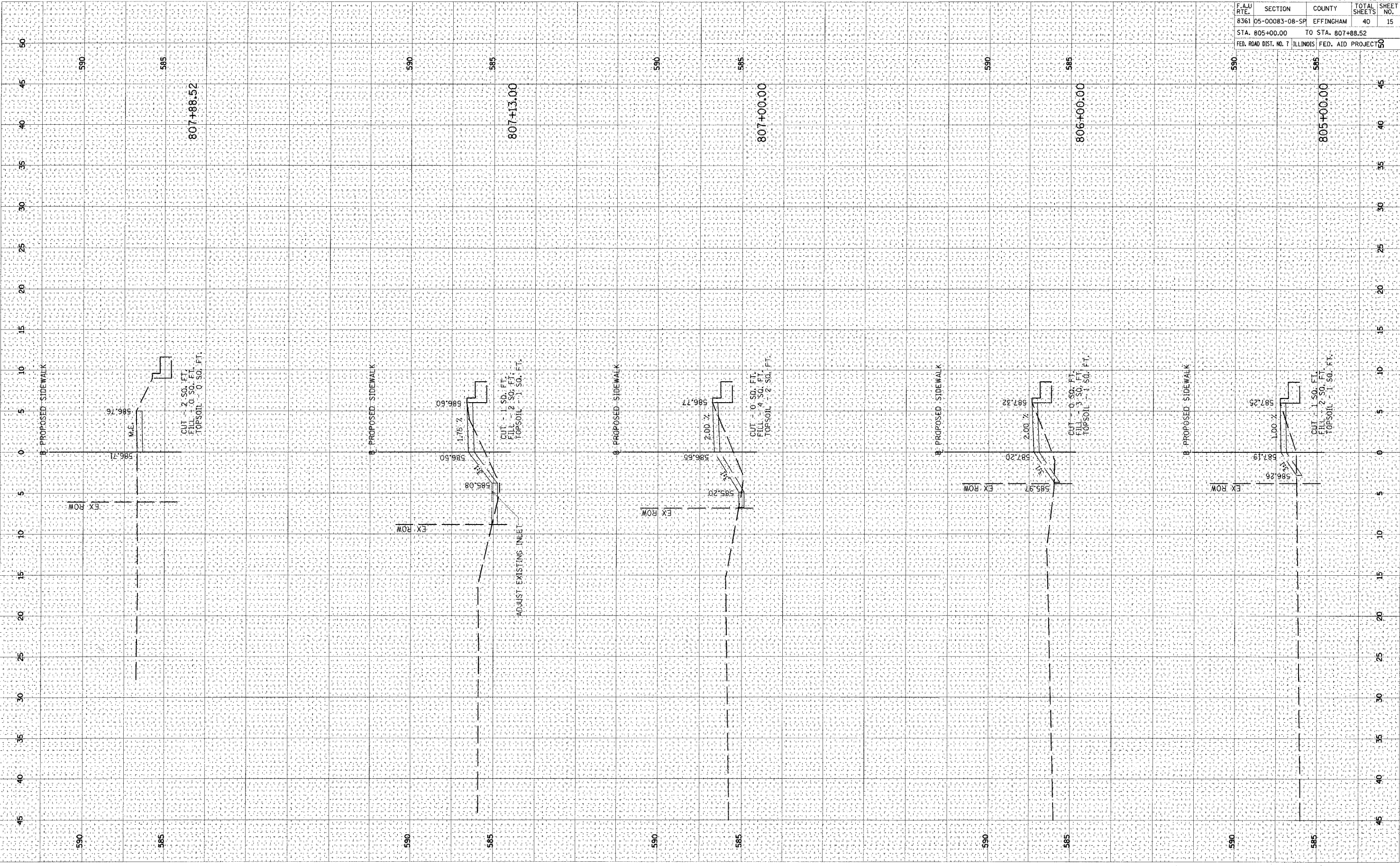


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 USER NAME = DMP

ORIGINAL SURVEY
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 PLOTTED BY
 AREAS CHECKED BY

FINAL SURVEY
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 PLOTTED BY
 AREAS CHECKED BY

DATE
 BY

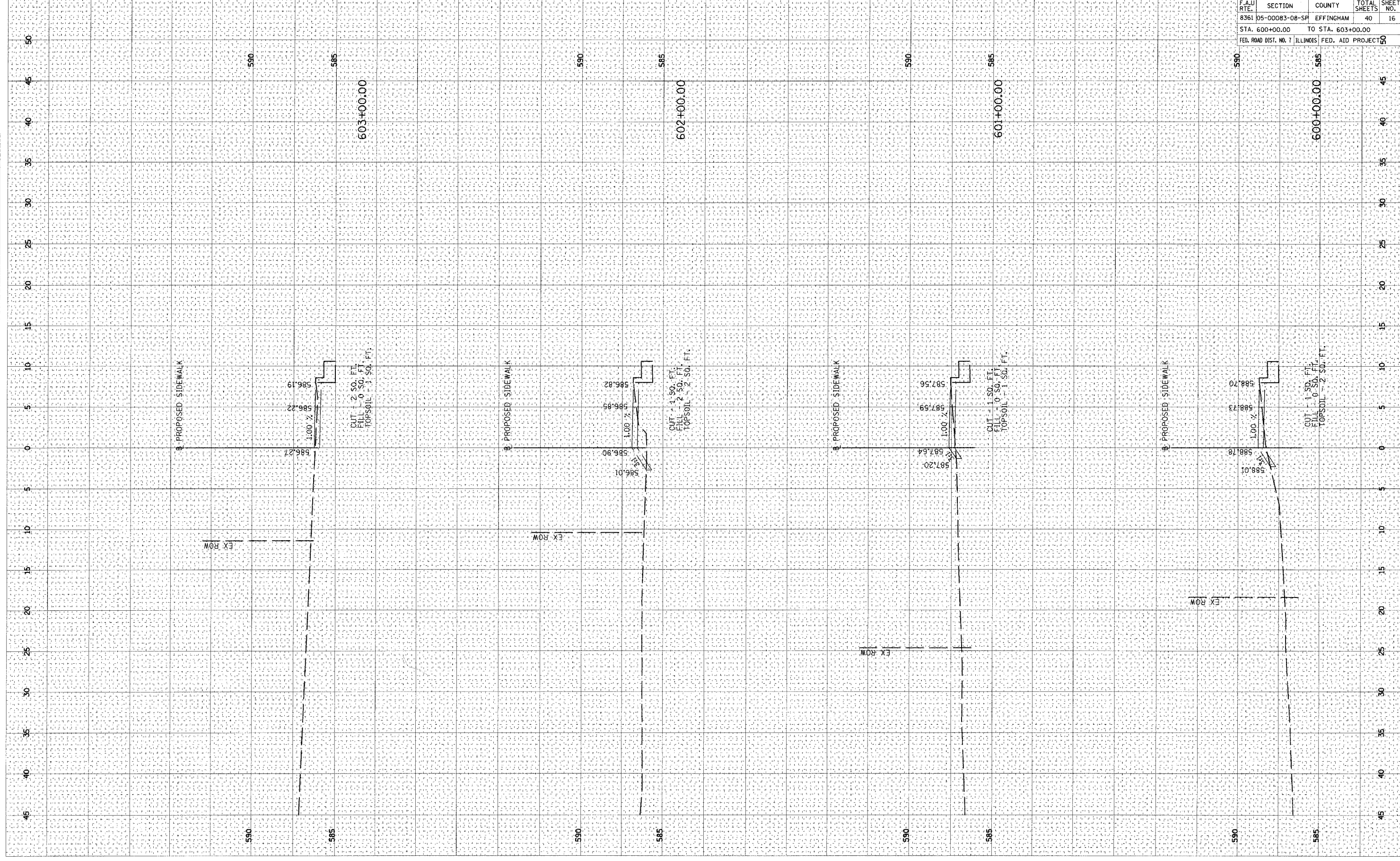


CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361 05-00083-08-SP		EFFINGHAM	40	15
STA. 805+00.00		TO STA. 807+88.52		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

PLOT DATE = 04/05/2006 03:33 AM
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 USER NAME = DAP

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 DATE: 04/05/2006 03:33 AM
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FINAL SURVEY PLOTTED
 DATE: 04/05/2006 03:33 AM
 AREAS CHECKED



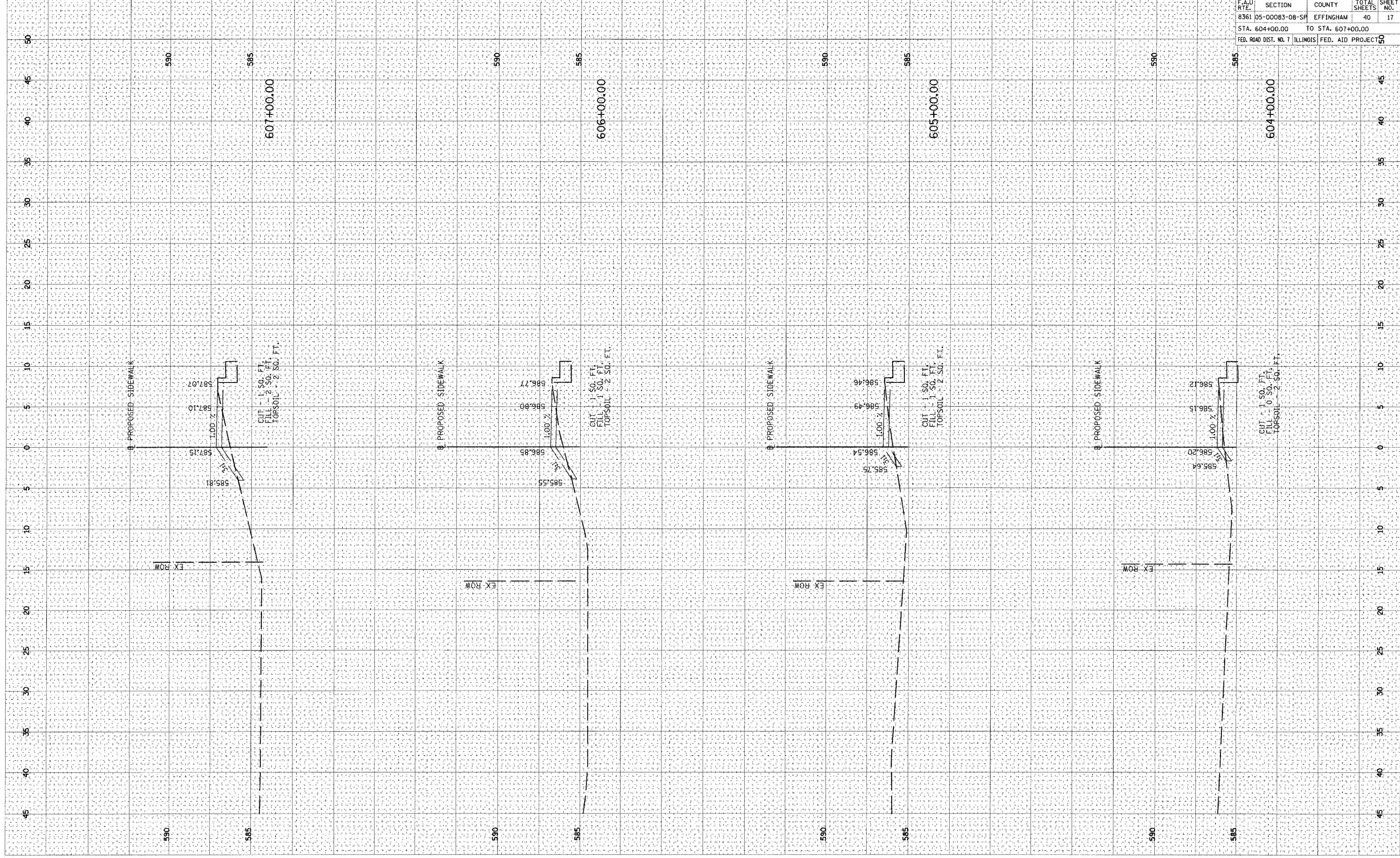
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STA. 600+00.00 TO STA. 603+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO.	

CONTRACT NO. 95474

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 USER NAME = DMP

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 SURVEYED BY: DATE:
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 AREA: CHECKED:

FINAL SURVEYED BY: DATE:
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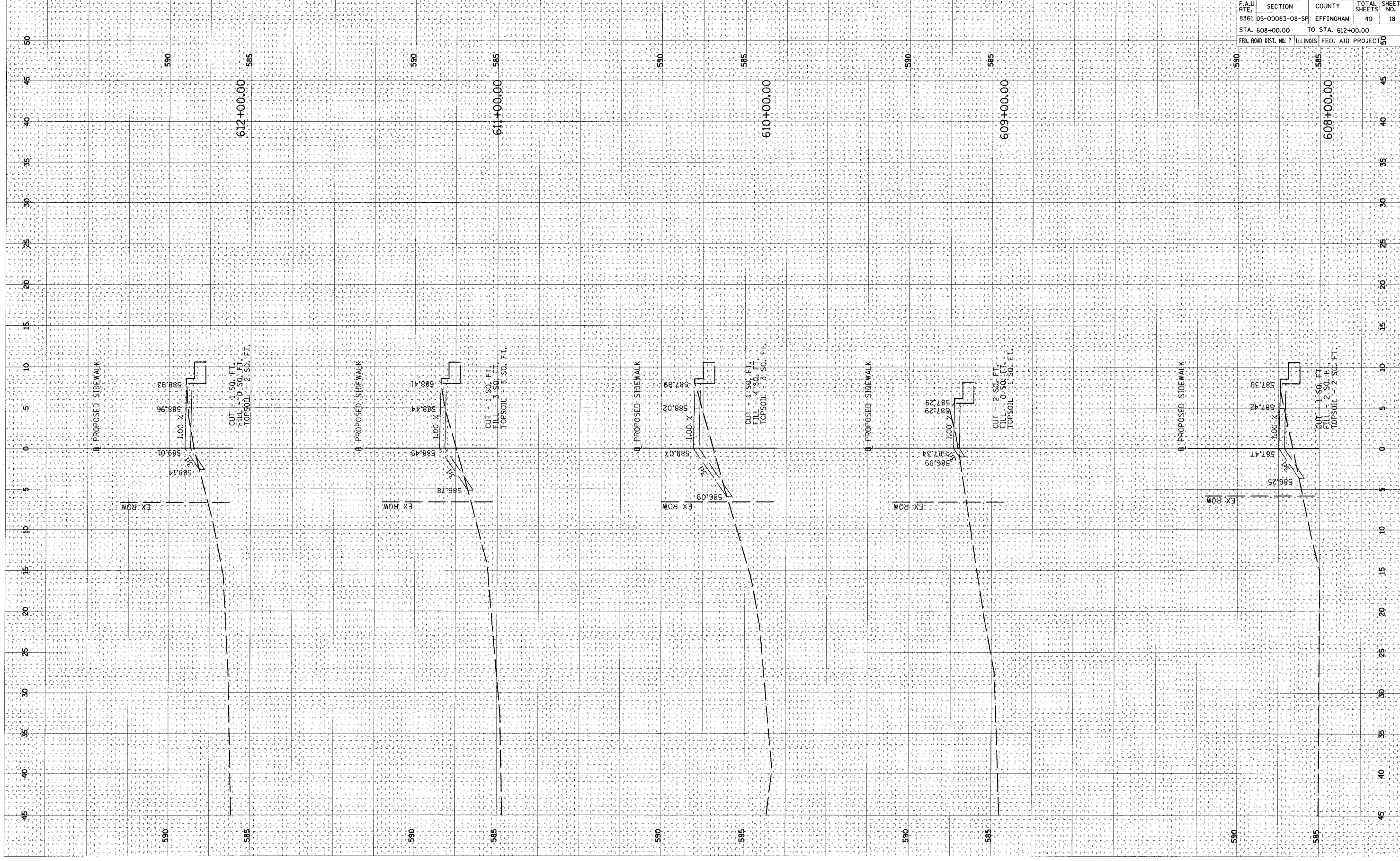


CONTRACT NO. 95474				
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8361	05-00083-08-SF	EFFINGHAM	40	17
STA. 604+00.00 TO STA. 607+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. 50	

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FINAL SURVEYED BY DATE
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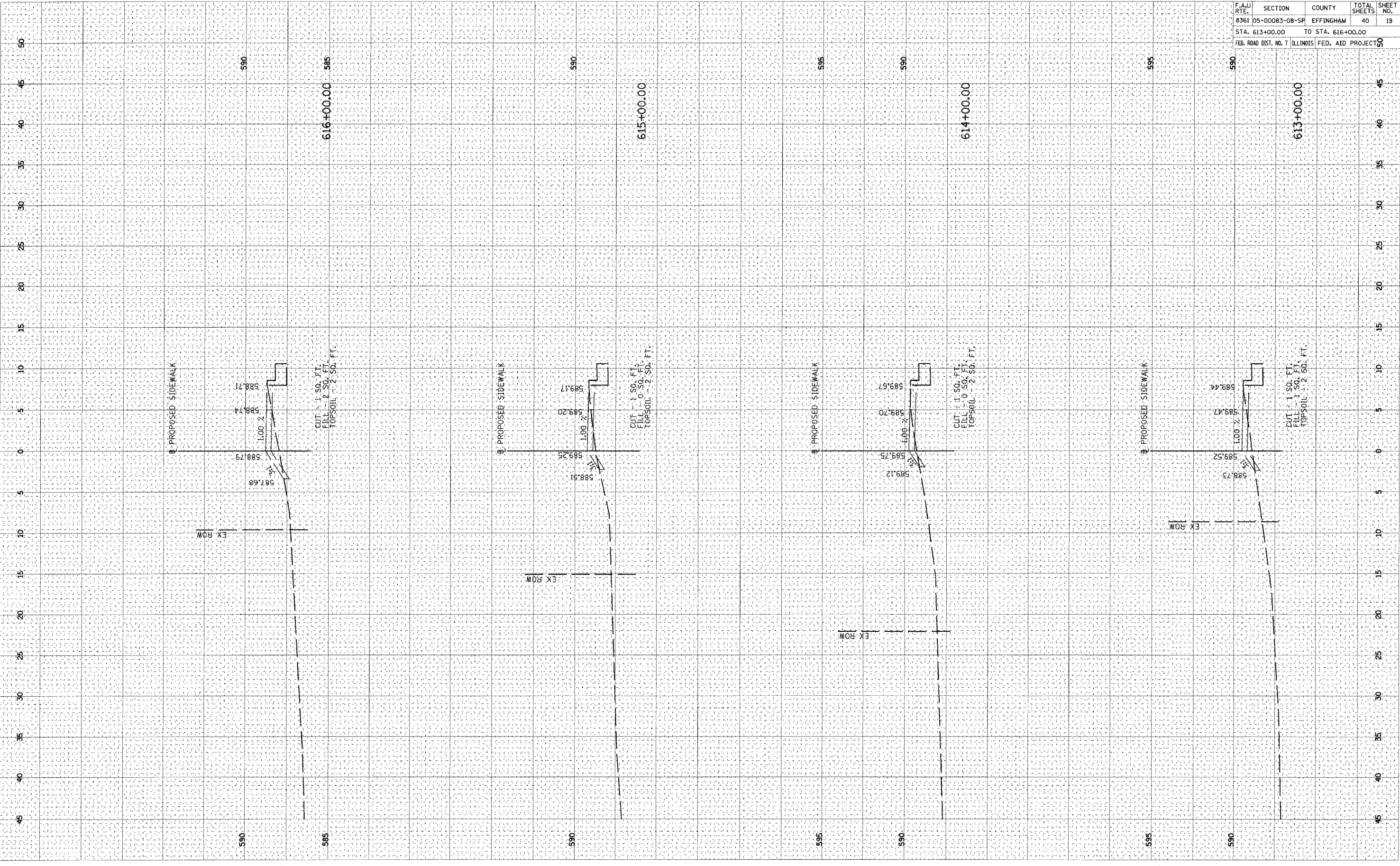


F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361 05-00083-08-SP	EFFINGHAM		40	18
STA. 608+00.00		TO STA. 612+00.00		
FED. ROAD DIST. NO. 7		ILLINOIS		
		FED. AID PROJECT NO.		

PLOT DATE = 04/05/2006 03:37 PM
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 USER NAME = C:\DP

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 NOTE BOOK NO.
 AREAS CHECKED

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



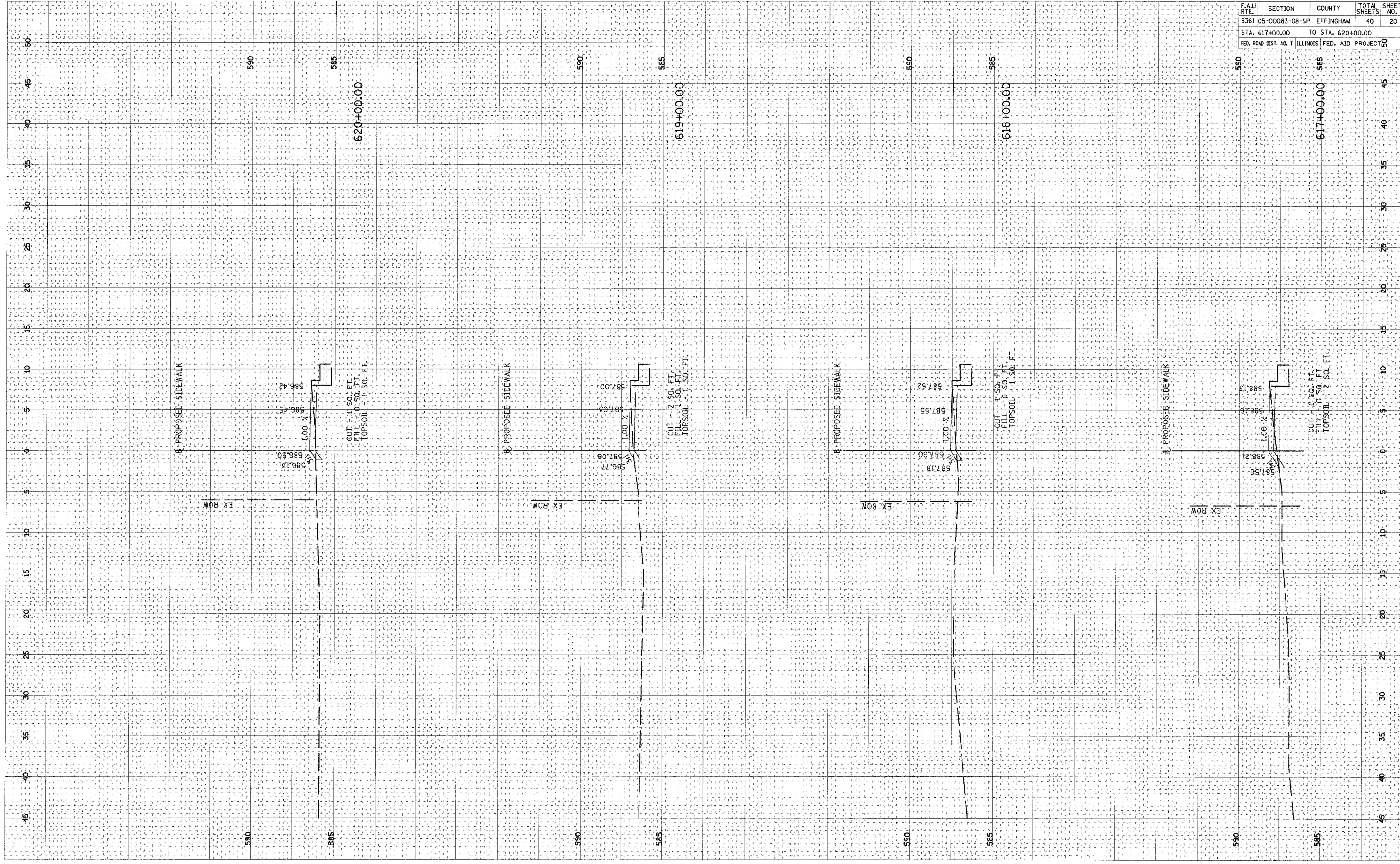
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8361	05-00083-08-SF	EFFINGHAM	40	19
STA. 613+00.00		TO STA. 616+00.00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO.		

PLOT DATE = 04/08/2006 09:33 M
 PLOT SCALE = 5.0000' / 1" IN
 USER NAME = DAP

ORIGINAL SURVEY PLOTTED
 NO. AREAS CHECKED

FINAL SURVEY PLOTTED
 NOTE BOOK NO. AREAS CHECKED

BY: _____
 DATE: _____



CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-5P	EFFINGHAM	40	20
STA. 617+00.00		TO STA. 620+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 00				

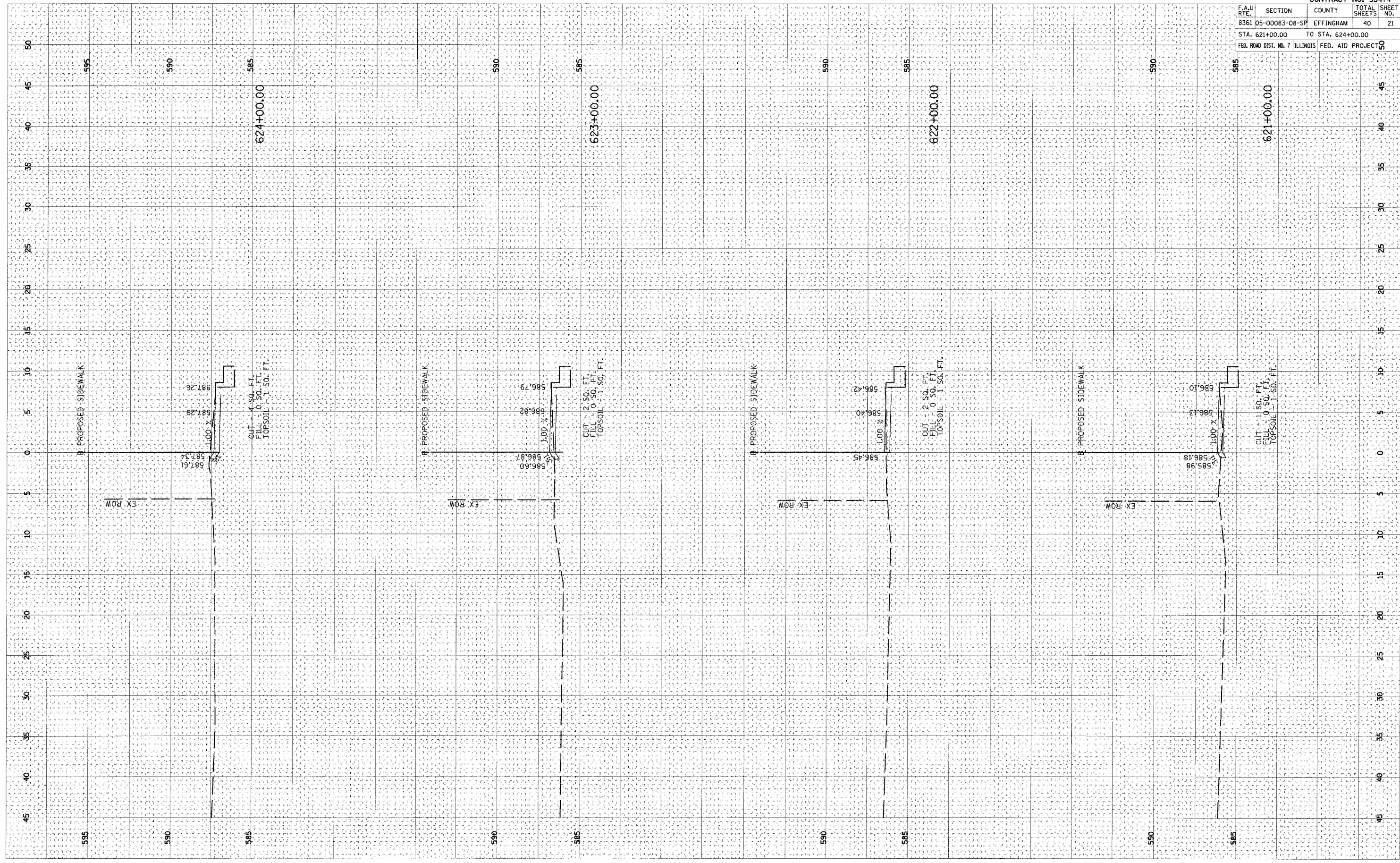
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ORIGINAL SURVEYED BY DATE
 SURVEY
 TEMPLATE AREAS CHECKED

FINAL SURVEYED BY DATE
 SURVEY
 TEMPLATE AREAS CHECKED

CONTRACT NO. 95474

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361 05-00083-08-SP		EFFINGHAM	40	21
STA. 621+00.00		TO STA. 624+00.00		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	50

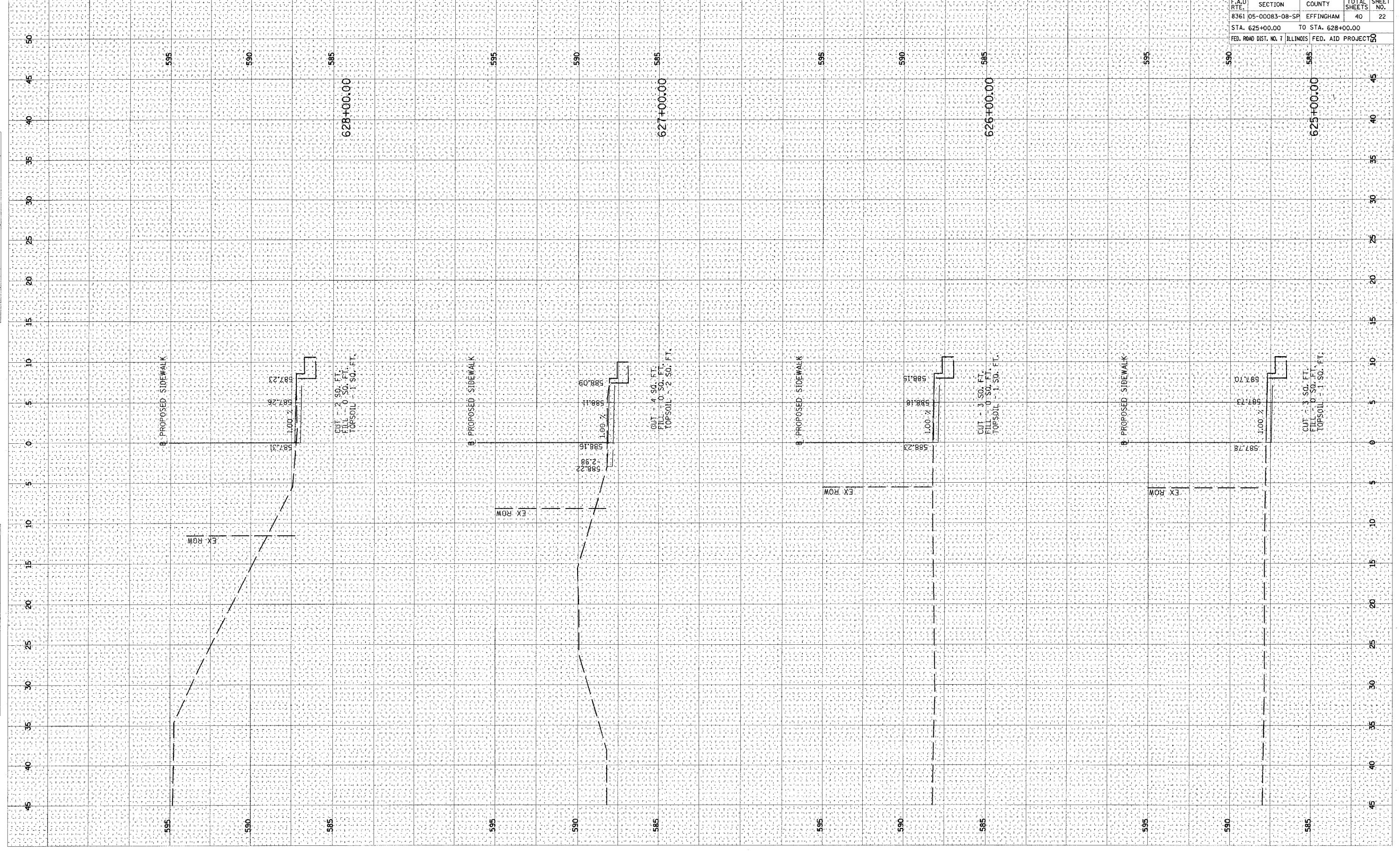


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 PLOTTED BY _____
 NO. _____ AREAS CHECKED

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 PLOTTED BY _____
 NO. _____ AREAS CHECKED

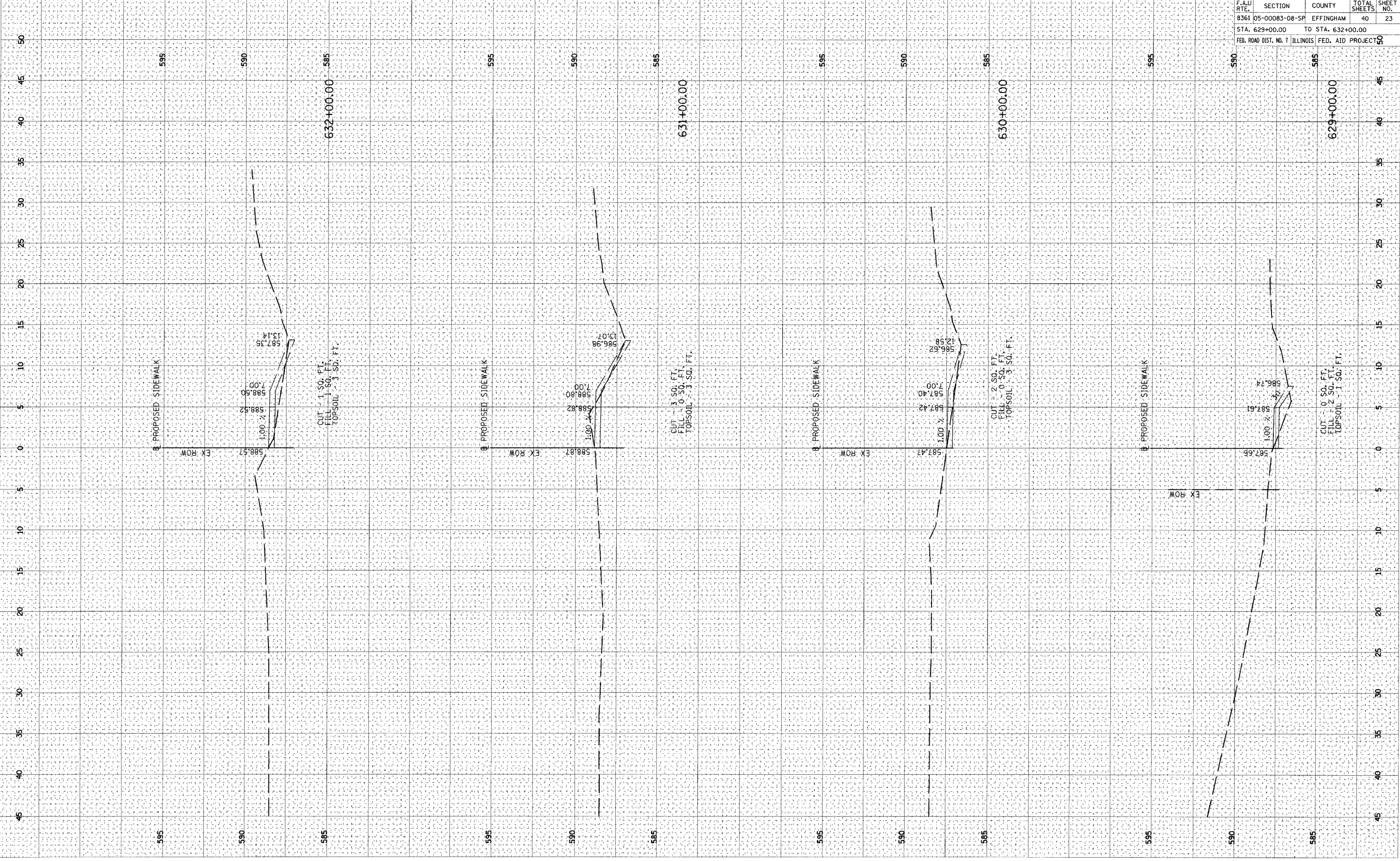
CONTRACT NO. 95474				
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8361	05-00083-08-SP	EFFINGHAM	40	22
STA. 625+00.00		TO STA. 628+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



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 USER NAME = DMP

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 NOTE BOOK NO.
 AREAS CHECKED

FINAL SURVEY BY DATE
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 NOTE BOOK NO.
 AREAS CHECKED

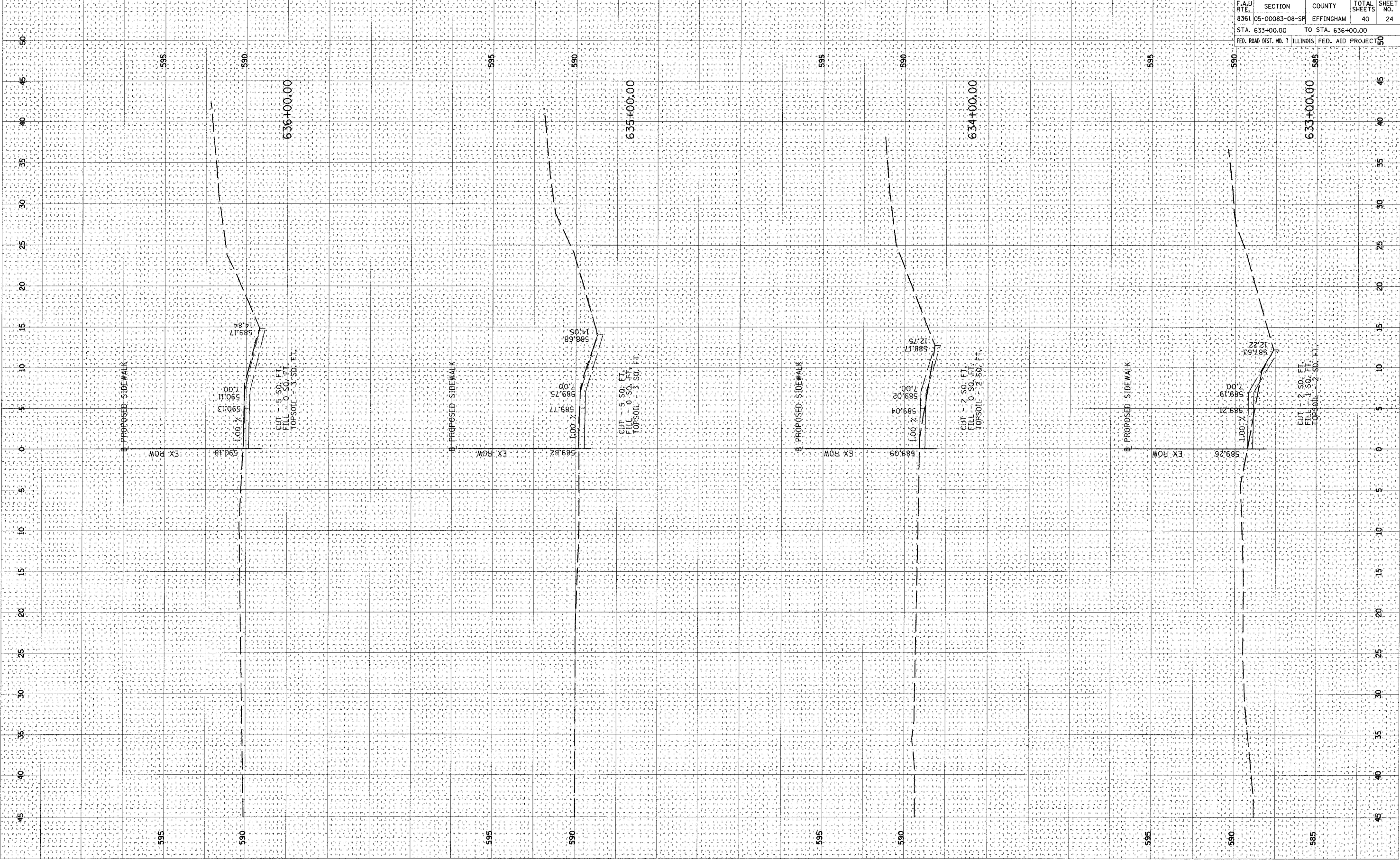


CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	23
STA. 629+00.00 TO STA. 632+00.00				
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT NO.	

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 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO.
 AREAS CHECKED NO.

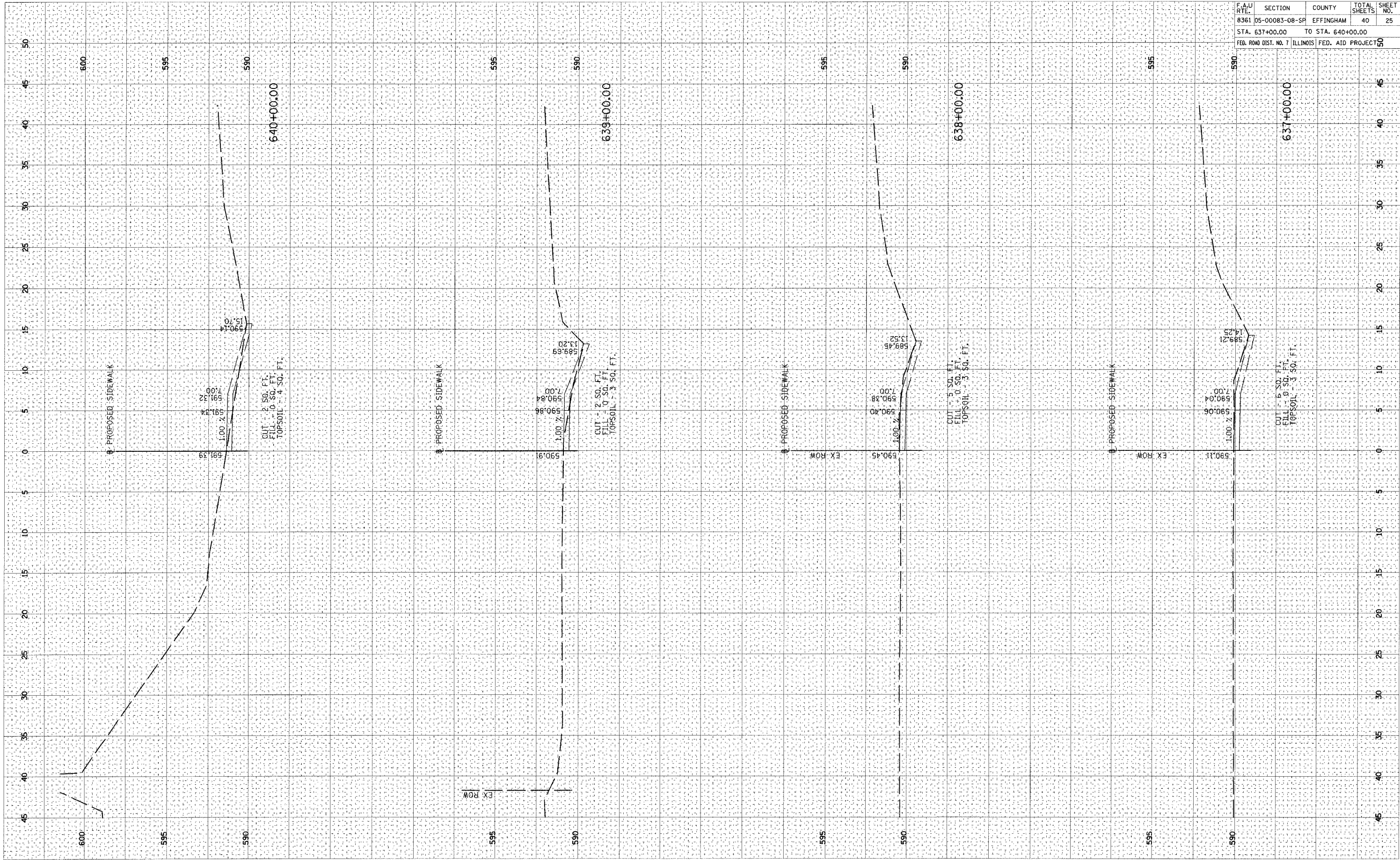
FINAL SURVEY BY DATE
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 PLOTTED BY DATE
 NOTE BOOK NO.
 AREAS CHECKED NO.



CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	24
STA. 633+00.00 TO STA. 636+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. 50	

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SURVEYED BY: _____ DATE: _____
 PLOTTED BY: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____



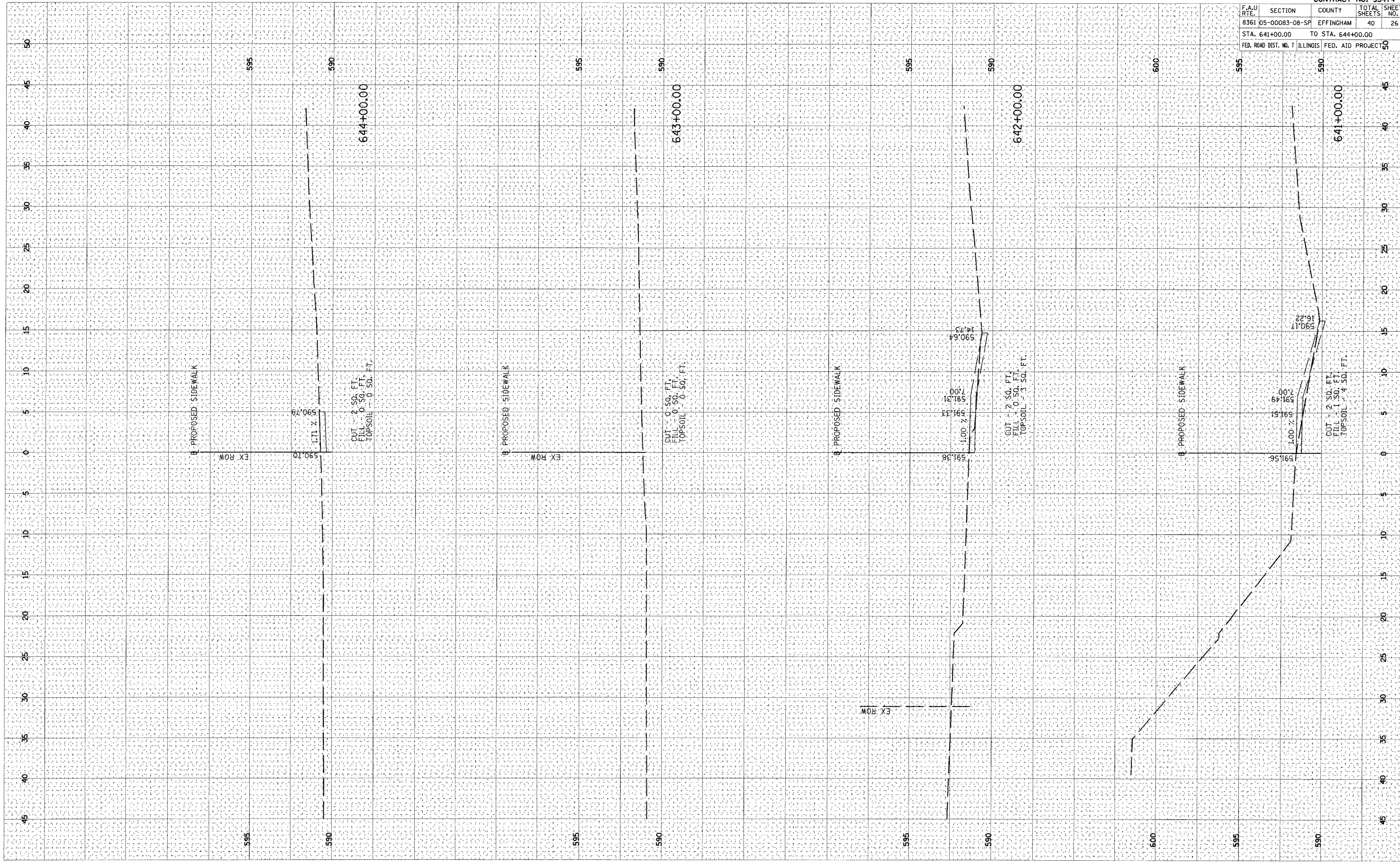
CONTRACT NO. 95474			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
8361	05-00083-08-SR	EFFINGHAM	40
STA. 637+00.00		TO STA. 640+00.00	SHEET NO. 25
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	50

PLOT DATE: 04/05/2006 03:33 M
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 USER NAME: J. DAP

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 NO. AREAS CHECKED

FINAL SURVEY
 SURVEY PLOTTED
 NO. AREAS CHECKED

BY: _____
 DATE: _____



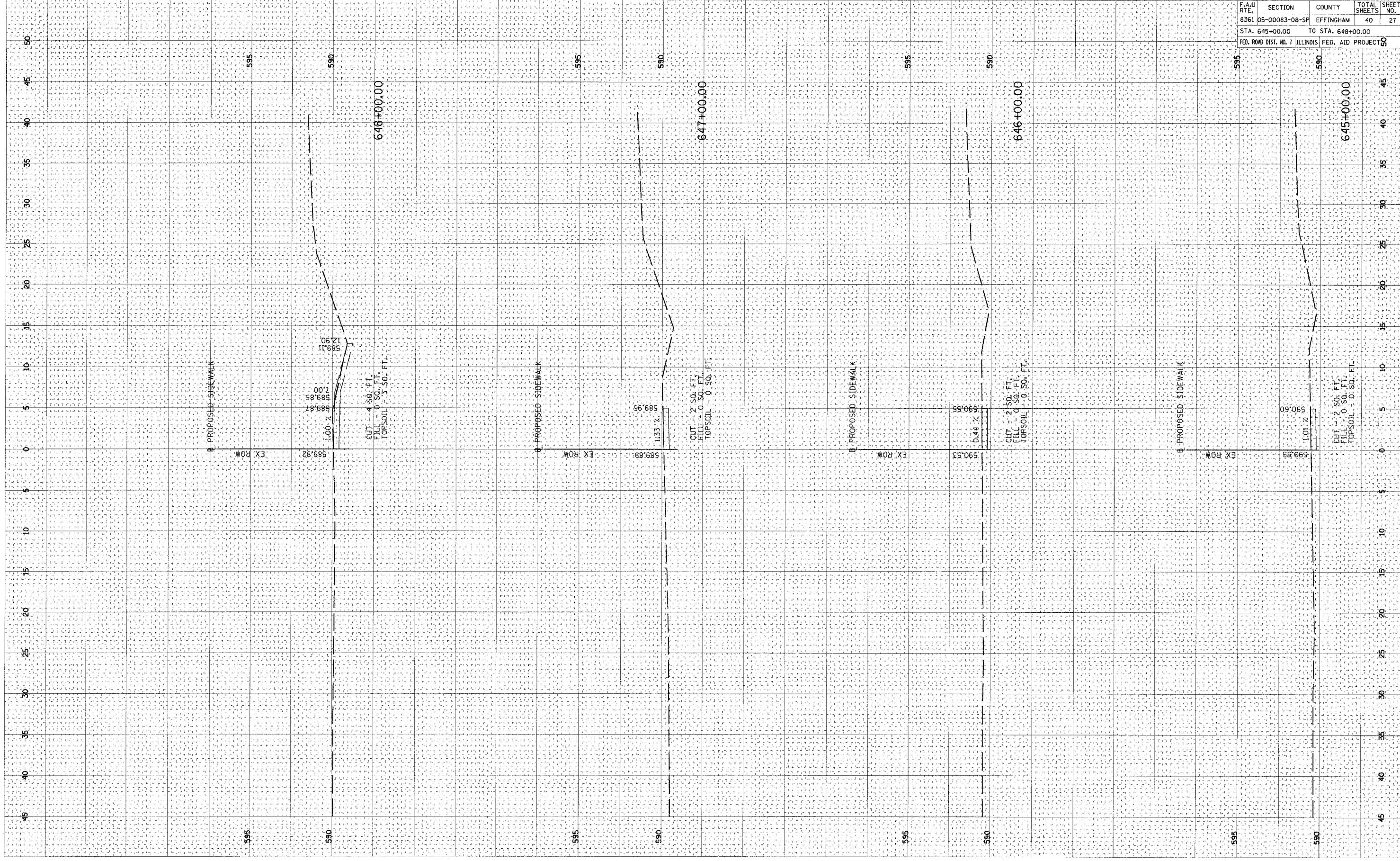
CONTRACT NO. 95474			
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40 26
STA. 641+00.00		TO STA. 644+00.00	
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT NO.	

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 USER NAME = DDP

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 NOTE BOOK
 AREAS CHECKED

FINAL SURVEY
 SURVEY
 NOTE BOOK
 AREAS CHECKED

BY _____ DATE _____

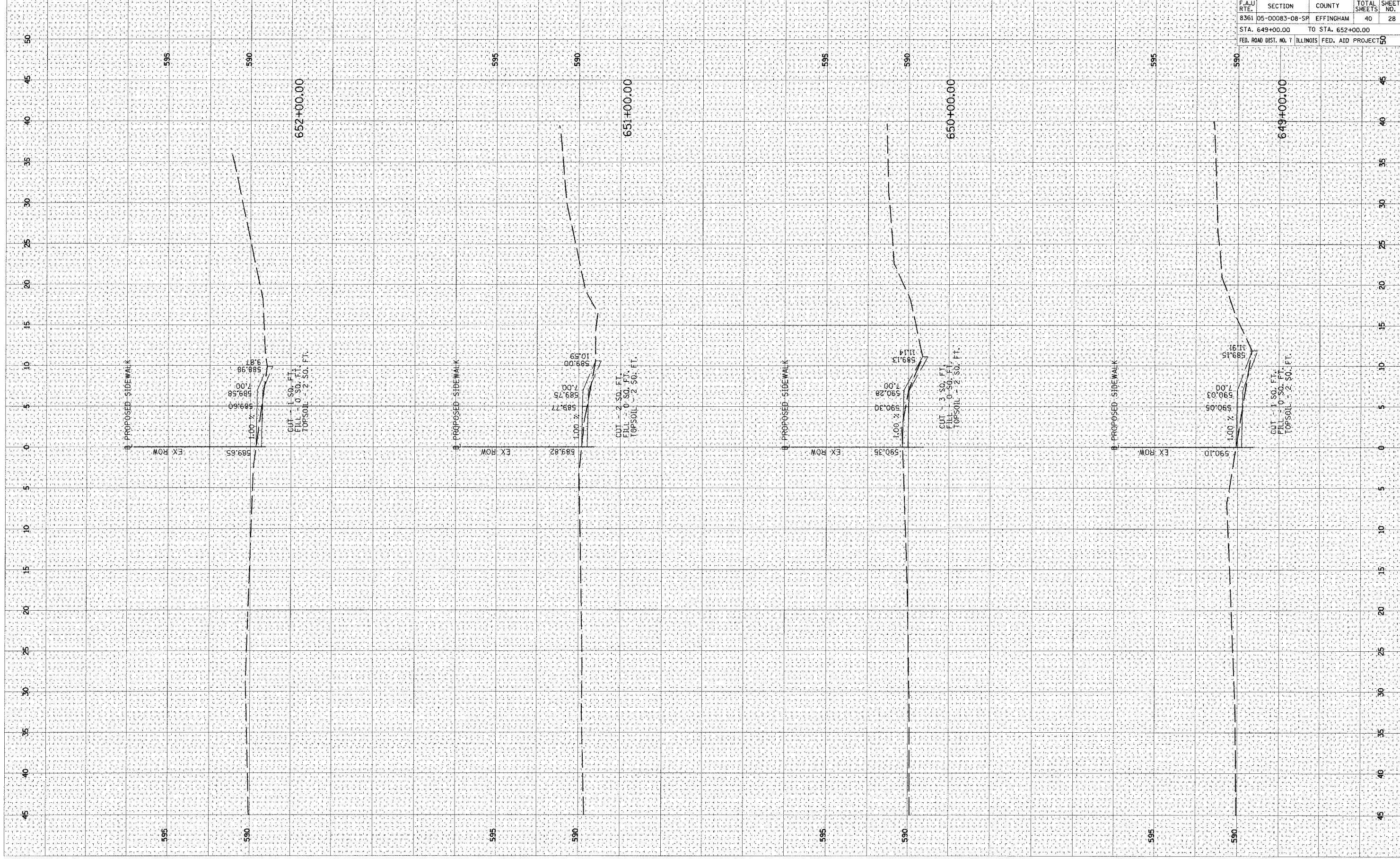


CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	27
STA. 645+00.00 TO STA. 648+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT 10	

PLOT DATE = 04/08/2008 08:23
FILE NAME = \\106c6a19022020\cedd\cedd\work\106c6a19022020.dwg
PLOT SCALE = 5.0000 / IN.
USER NAME = DHP

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SURVEYED
PLOTTED
DATE
BY
NO.
AREAS CHECKED

FINAL SURVEY
SURVEYED
PLOTTED
DATE
BY
NO.
AREAS CHECKED



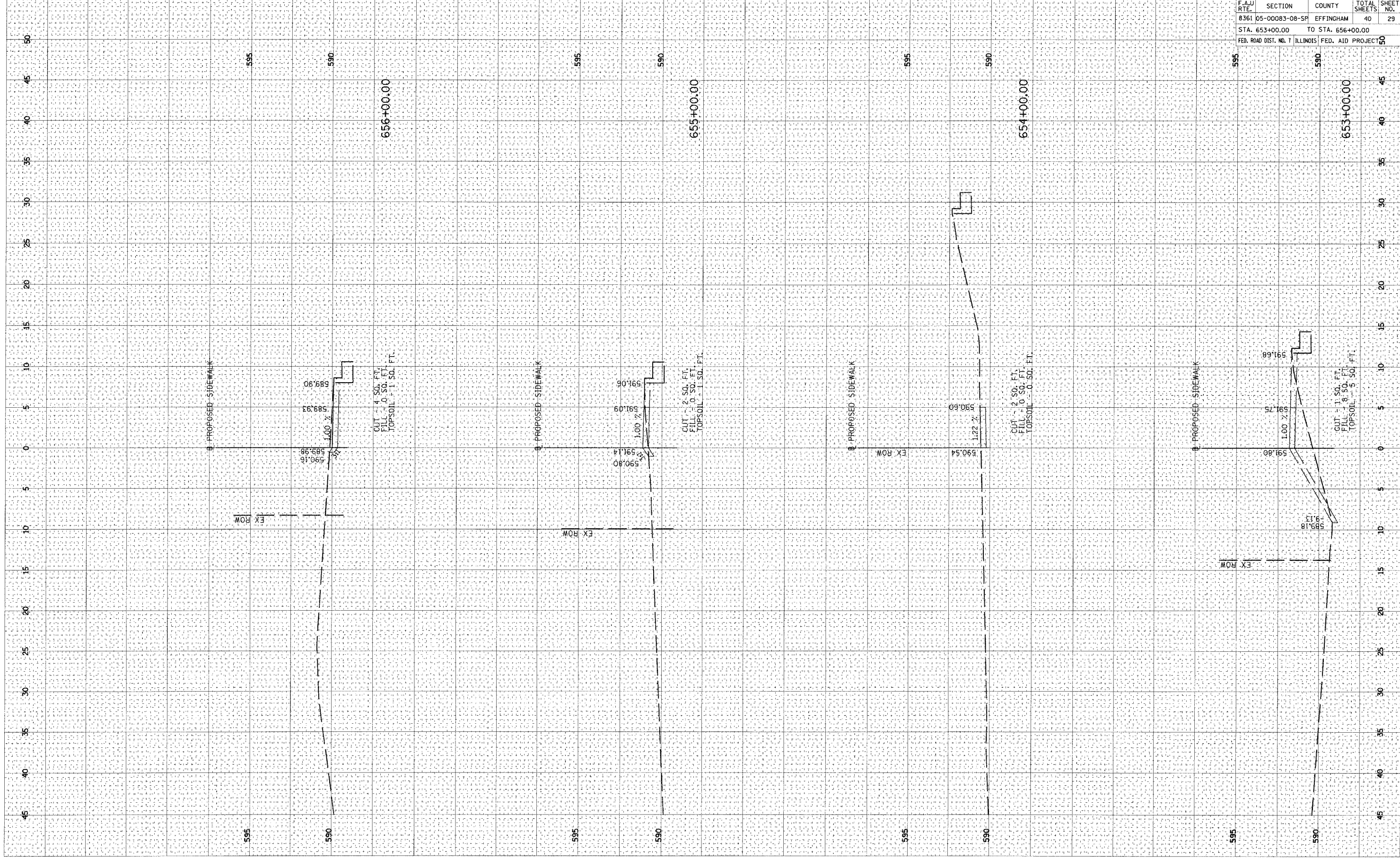
CONTRACT NO. 95474				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	28
STA. 649+00.00 TO STA. 652+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO.		

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 SURVEYED BY DATE
 PLOTTED BY DATE
 NO. AREAS CHECKED

FINAL SURVEYED BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NO. AREAS CHECKED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SF	EFFINGHAM	40	29
STA. 653+00.00		TO STA. 656+00.00		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		50



656+00.00

655+00.00

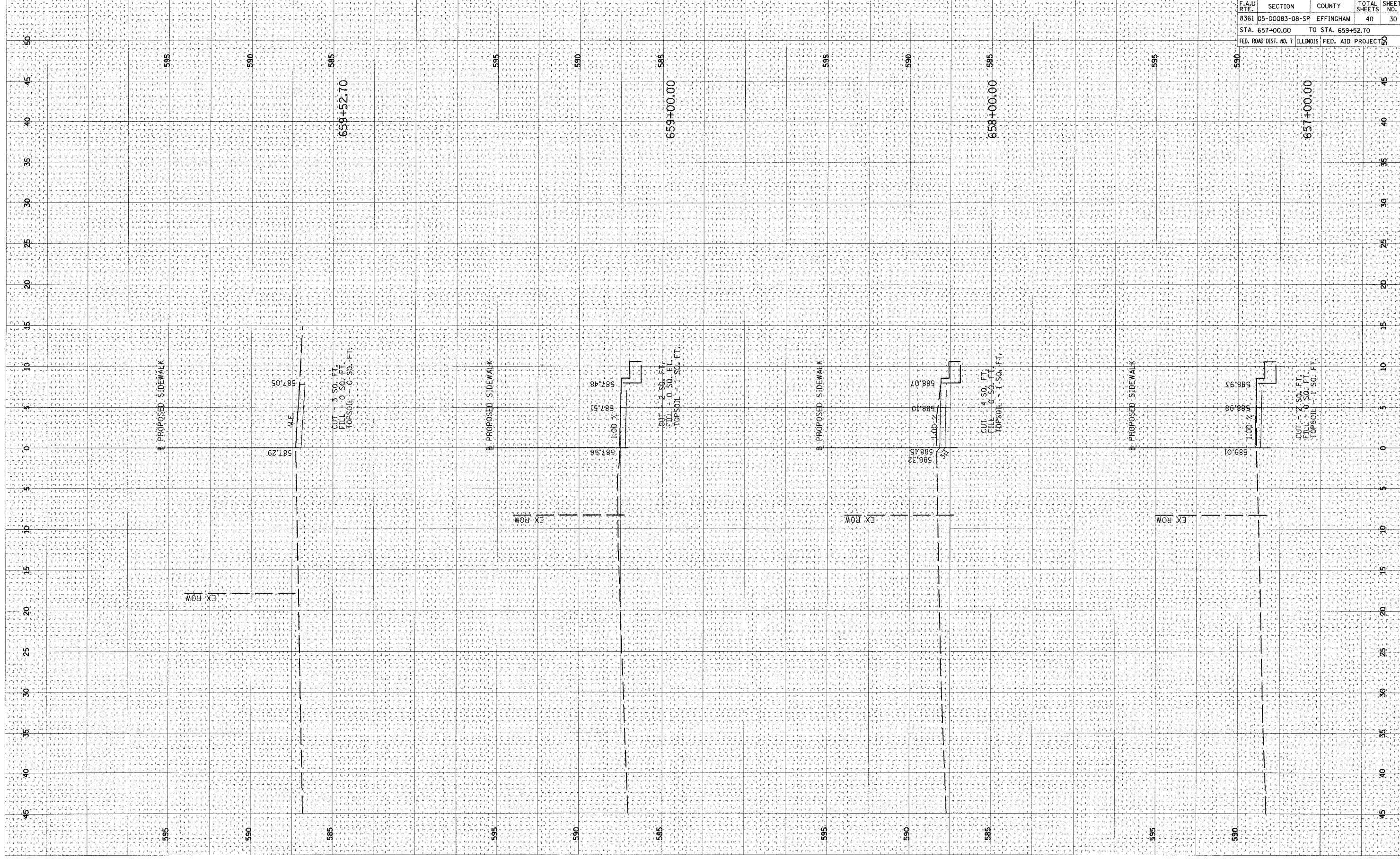
654+00.00

653+00.00

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 USER NAME = DAP

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 SURVEY NO. _____
 PROJECTED BY _____
 DATE _____
 AREAS CHECKED _____

FINAL SURVEY
 SURVEY NO. _____
 PROJECTED BY _____
 DATE _____
 AREAS CHECKED _____



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-5P	EFFINGHAM	40	30
STA. 657+00.00 TO STA. 659+52.70				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. 50	

CONTRACT NO. 95474

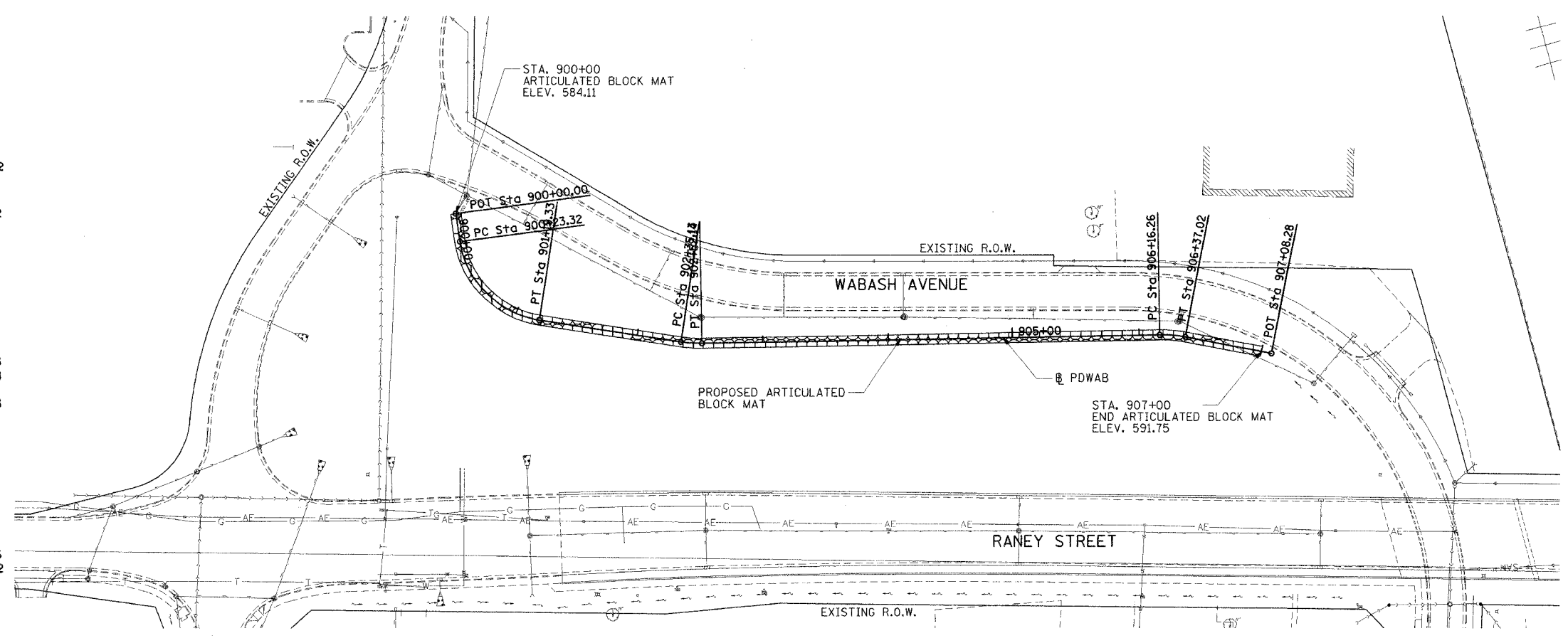
657+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	31
STA. 900+00.00		TO STA. 907+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

PROP. CURVE PDWAB-1
 PI STA. = 900+79.17
 $\Delta = 73^\circ 20' 43''$ (LT)
 $D = 76' 23' 40''$
 $R = 75.00'$
 $T = 55.85'$
 $L = 96.01'$
 $E = 18.51'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 900+23.32$
 $P.T. STA. = 901+19.33$

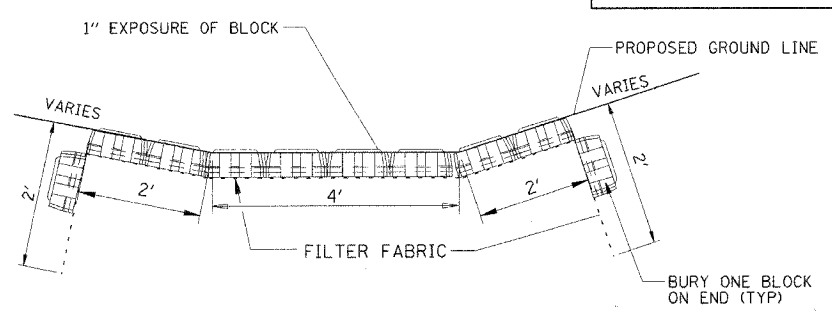
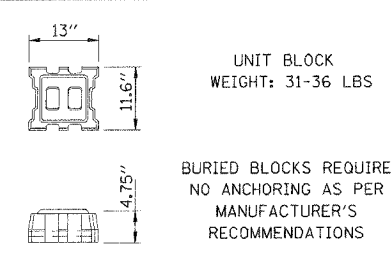
PROP. CURVE PDWAB-2
 PI STA. = 902+43.65
 $\Delta = 9^\circ 44' 45''$ (LT)
 $D = 57' 17' 45''$
 $R = 100.00'$
 $T = 8.53'$
 $L = 17.01'$
 $E = 0.36'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 902+35.13$
 $P.T. STA. = 902+52.14$

PROP. CURVE PDWAB-3
 PI STA. = 906+26.68
 $\Delta = 11^\circ 53' 53''$ (RT)
 $D = 57' 17' 45''$
 $R = 100.00'$
 $T = 10.42'$
 $L = 20.77'$
 $E = 0.54'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 906+16.26$
 $P.T. STA. = 906+37.02$

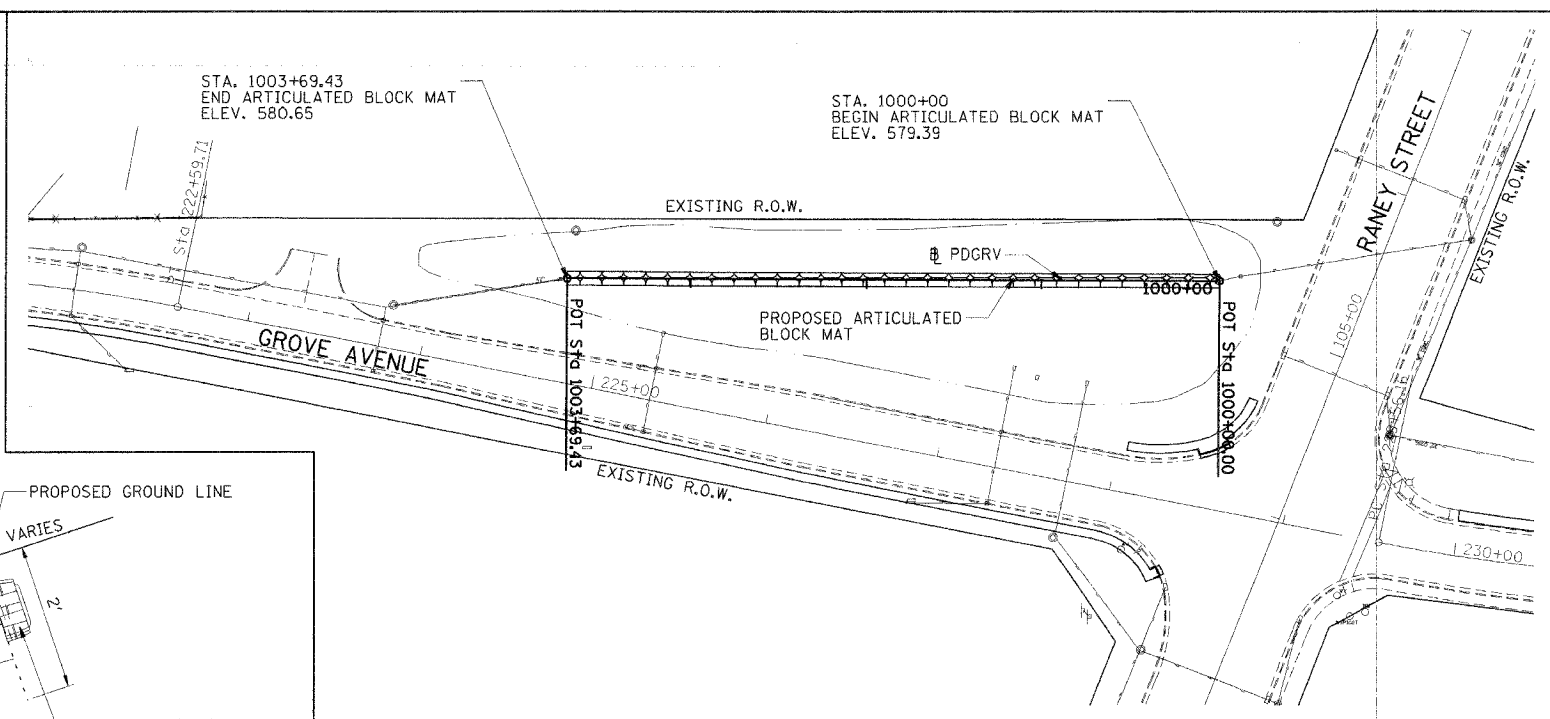


RANEY STREET & WABASH AVENUE DETENTION AREA

CONCRETE BLOCK SPECIFICATIONS (OPEN CELL)



ARTICULATED BLOCK MAT TYPICAL SECTION



GROVE AVENUE DETENTION AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED ARTICULATED BLOCK MAT PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 03/24/06

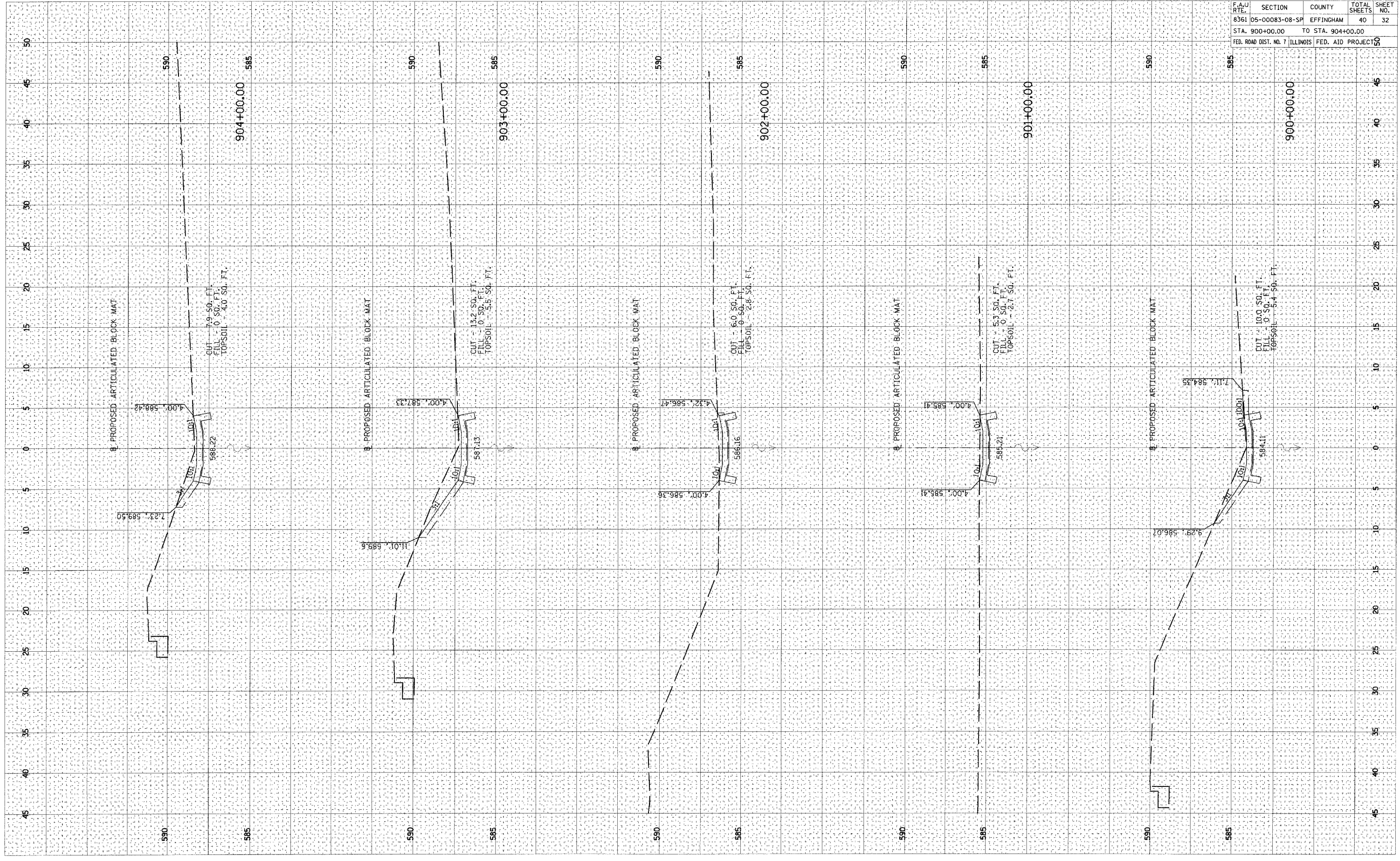
DRAWN BY JAP
 CHECKED BY JTB

DATE: _____ BY: _____
 SURVEY NO. _____
 CHECKED BY: _____
 DATE: _____

DATE: _____ BY: _____
 SURVEY NO. _____
 CHECKED BY: _____
 DATE: _____

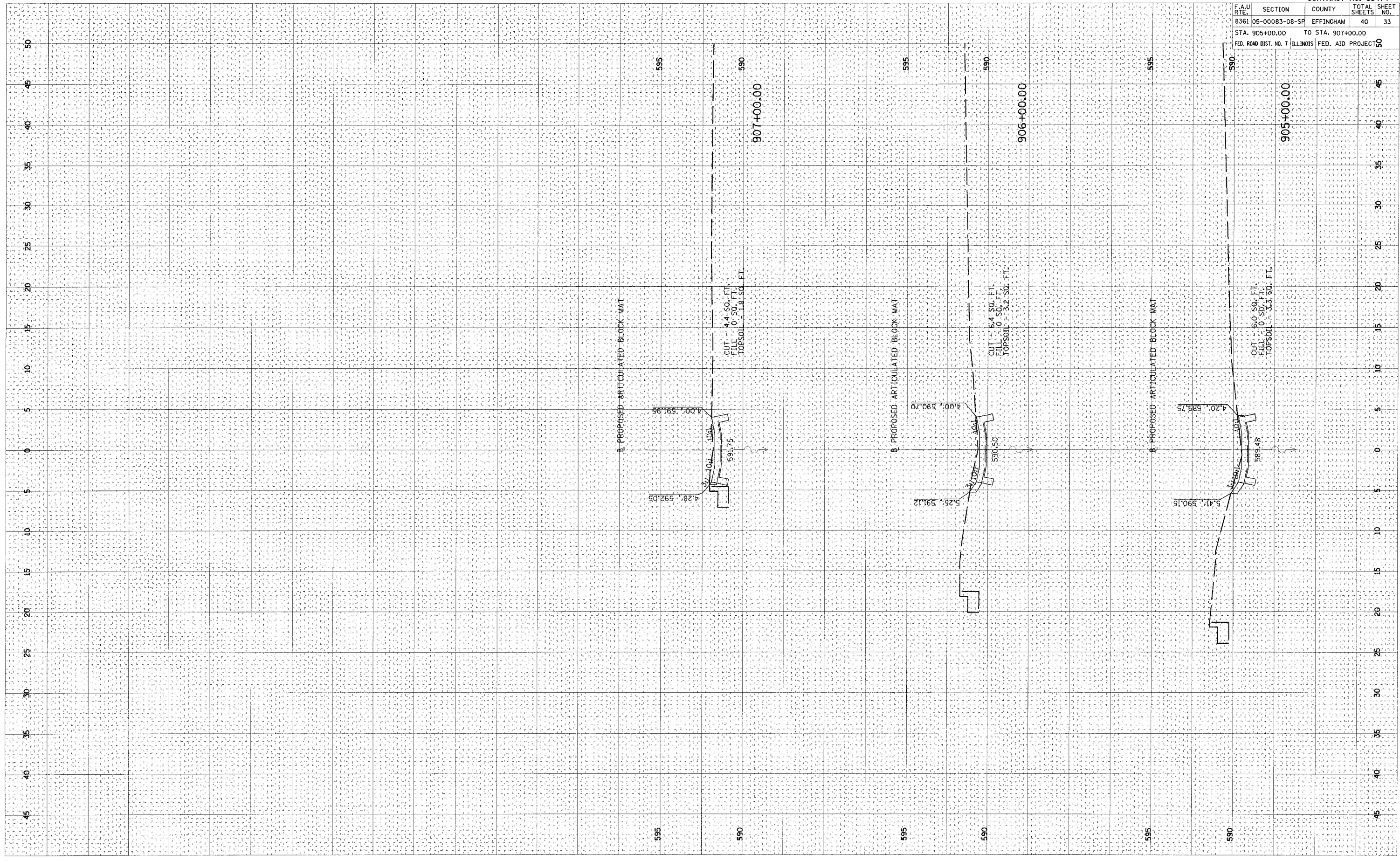
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 USER NAME = jao

CONTRACT NO. 95474			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40 32
STA. 900+00.00		TO STA. 904+00.00	
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT 05	



PLOT DATE: 8/14/17 2:06:06 PM
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 USER NAME: J...
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 AREAS CHECKED:

FINAL SURVEY PLOTTED: 8/14/17
 NOTE BOOK TEMPLATE AREAS CHECKED:



CONTRACT NO. 95474			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
8361	05-00083-08-SF	EFFINGHAM	40
STA. 905+00.00		TO STA. 907+00.00	33
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.

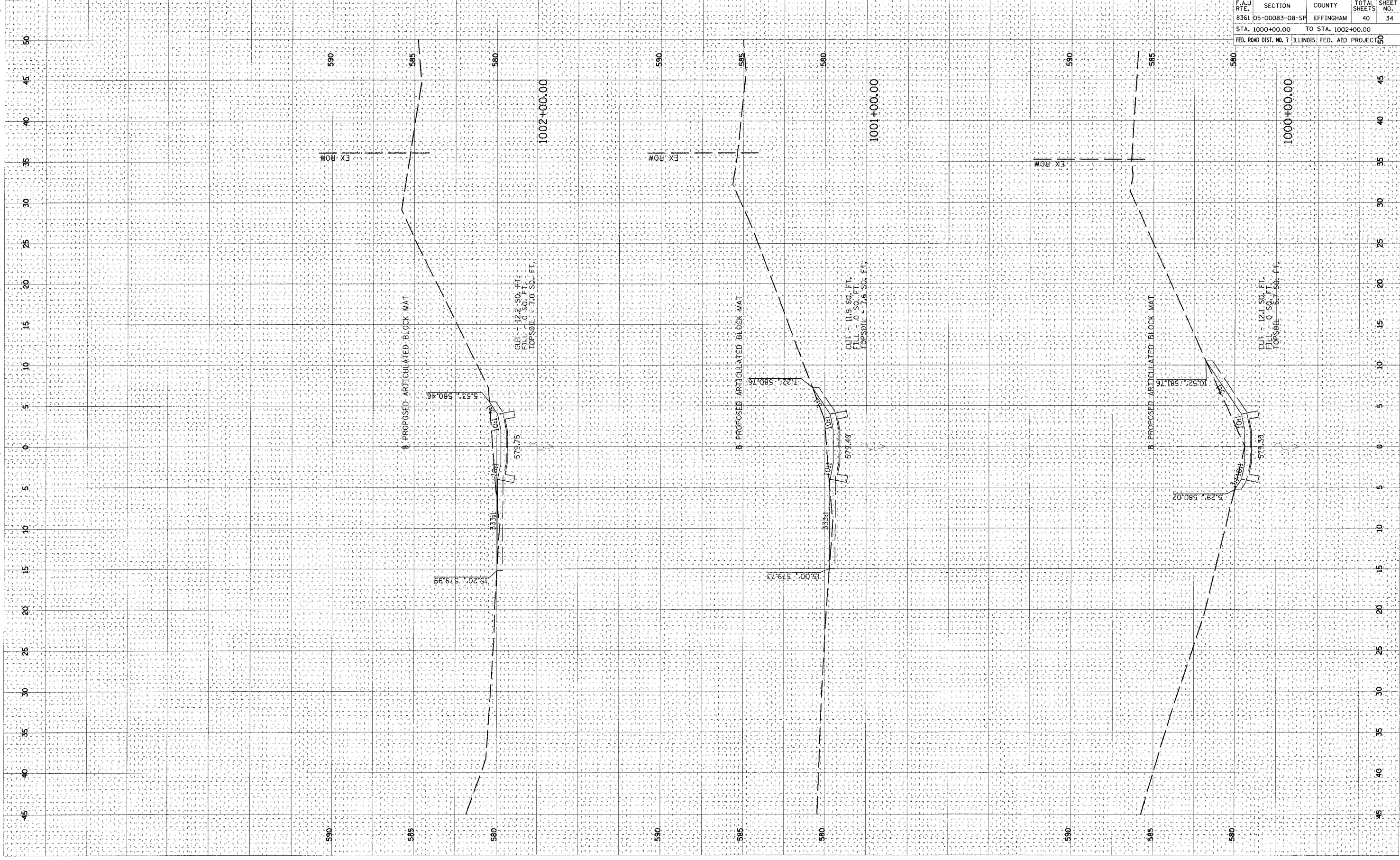
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 PLOT SCALE : 1/8" = 100.00'
 USER NAME : DAP

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 NO. AREAS CHECKED

FINAL SURVEY PLOTTED
 NO. AREAS CHECKED

BY DATE

BY DATE

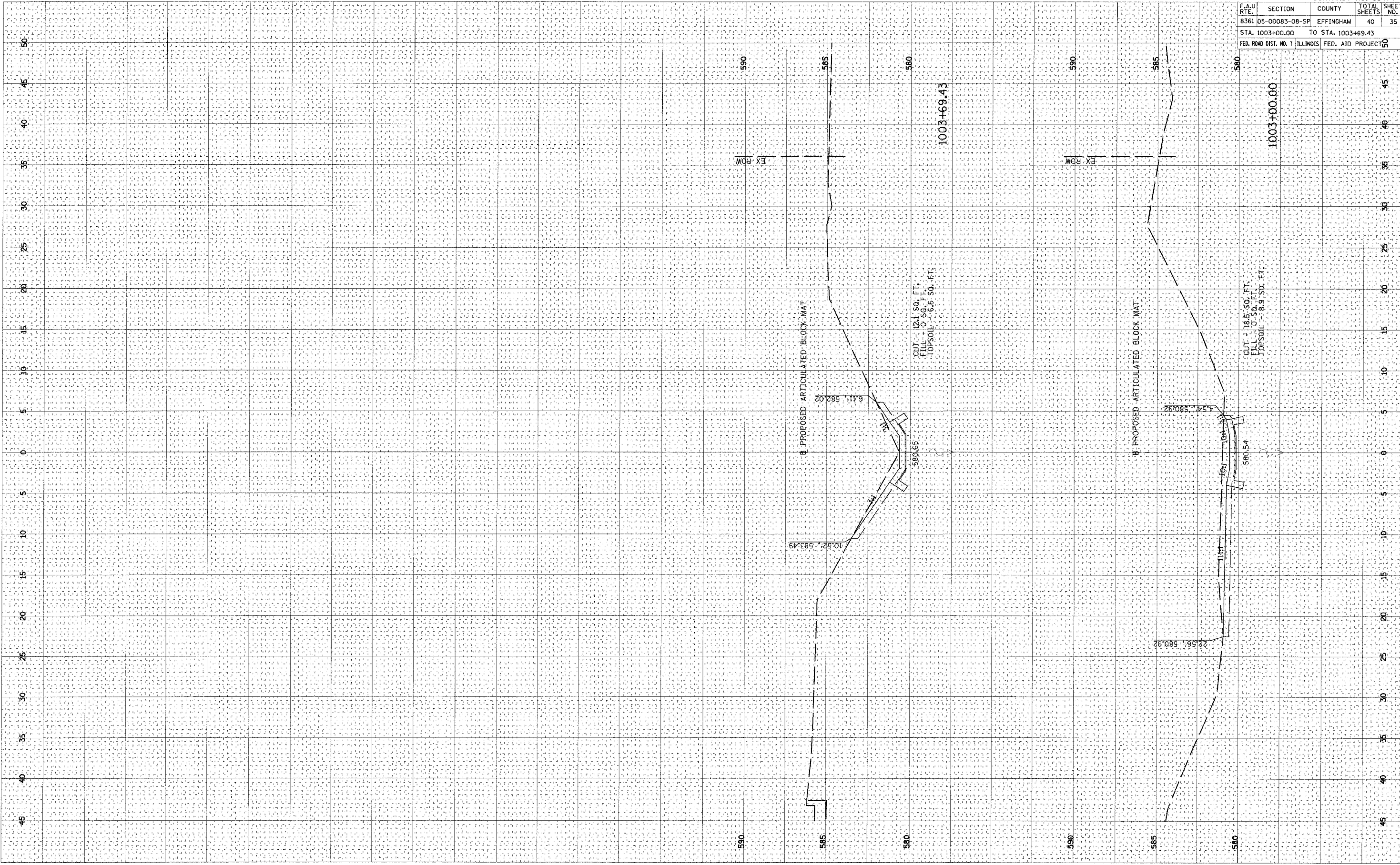


CONTRACT NO. 95474				
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STA. 1000+00.00		TO STA. 1002+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 10				

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 PLOT SCALE = 5/8" = 1' IN.
 USER NAME = DDP

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 SHEET NO. BY DATE
 PLOTTED DATE
 ROUTE BOOK NO.
 AREA CHECKED

NO. BY DATE
 SURVEYED BY DATE
 PLOTTED DATE
 ROUTE BOOK NO.
 AREA CHECKED



CONTRACT NO. 95474			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
8361	05-00083-08-SP	EFFINGHAM	40
STA. 1003+00.00		TO STA. 1003+69.43	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT NO.	5

1003+00.00

CUT - 18.5' SO. FT.
 FILL - 0' SO. FT.
 TOPSOIL - 8.5' SO. FT.

4.54, 580.92

580.54

CUT - 121' SO. FT.
 FILL - 0' SO. FT.
 TOPSOIL - 6.5' SO. FT.

1003+69.43

10.52, 583.49

580.65

6.11, 582.02

590

EX ROW

585

580

590

EX ROW

585

580

50

45

40

35

30

25

20

15

10

5

0

5

10

15

20

25

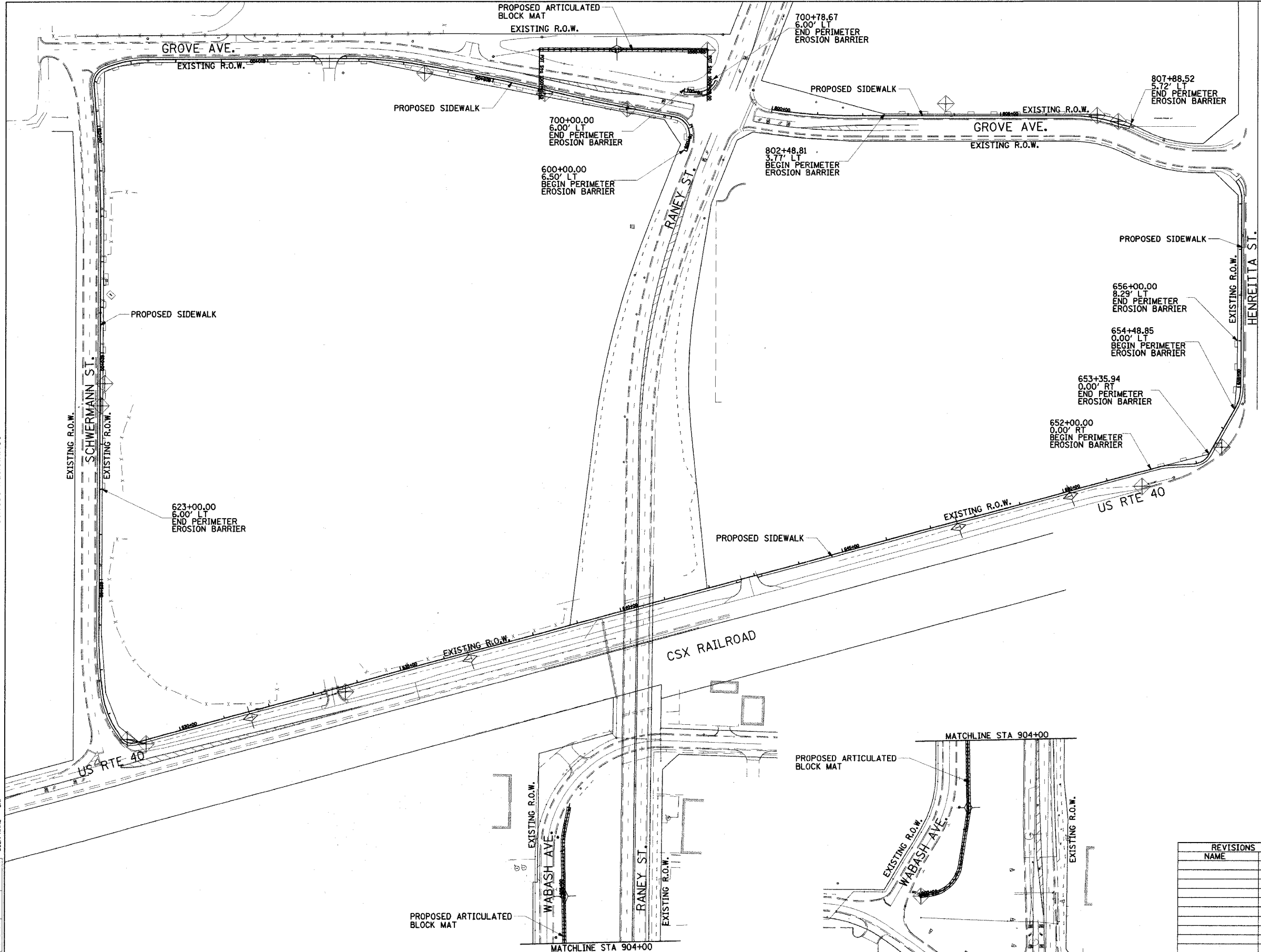
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35

40

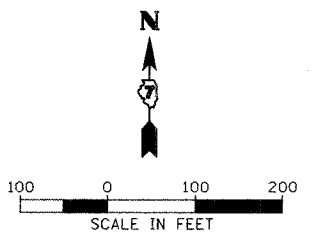
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	36
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



LEGEND

	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: VERT. 1"=10'
HORIZ. 1"=100'
DATE 03/24/06

DRAWN BY JAP
CHECKED BY JTB

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HANSON

Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLOT DATE = 03/24/06 09:51 AM
FILE NAME = H:\Projects\2006\95474\eroc\eroc.dwg
PLOT SCALE = 1/8"=1' / IN.
USER NAME = JTB

LAYOUT	DATE	BY	CHKD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	37
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

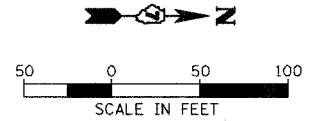
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION, THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

GENERAL NOTES:

- ALL LIGHT POLES TO BE LOCATED 4'-0" FROM EDGE OF PAVEMENT AND BE INSTALLED WITH BREAK AWAY COUPLINGS UNLESS OTHERWISE NOTED.

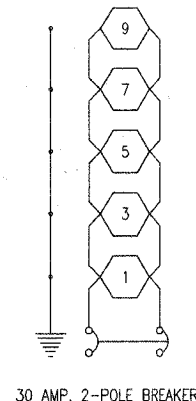
KEYED NOTES:

- 4*4, #6G., 1 1/2" UNIT DUCT
- 2*4, #6G., 1 1/2" UNIT DUCT
- PUSH 4" PVC CONDUIT SLEEVE BENEATH ROADWAY AND PULL UNIT DUCT THROUGH SLEEVE.
- EXISTING UTILITY POLE. PROVIDE 3*2, #2G. IN 1 1/2" SCHED. 80 PVC C. UP UTILITY POLE. PROVIDE ENOUGH SLACK CABLE FOR CONNECTION TO UTILITY SERVICE. COORDINATE HEIGHT OF CONDUIT ABOVE GRADE WITH KIM SMITH WITH AMEREN CIPS, PHONE 217-649-3545.
- PROPOSED 60A, 120/240 VAC LIGHTING CONTROLLER. PROVIDE 2-30A/2P SPARE CIRCUIT BREAKERS IN CONTROLLER. SEE DETAIL SHEET.
- PROVIDE 2-2" SCHED. 80 PVC C. TO HANDHOLE FOR FUTURE CIRCUIT EXTENSIONS.

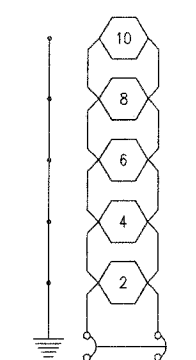


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 1025 South Sixth Street
 Springfield, Illinois 62703-2886
 Springfield Offices Nationwide

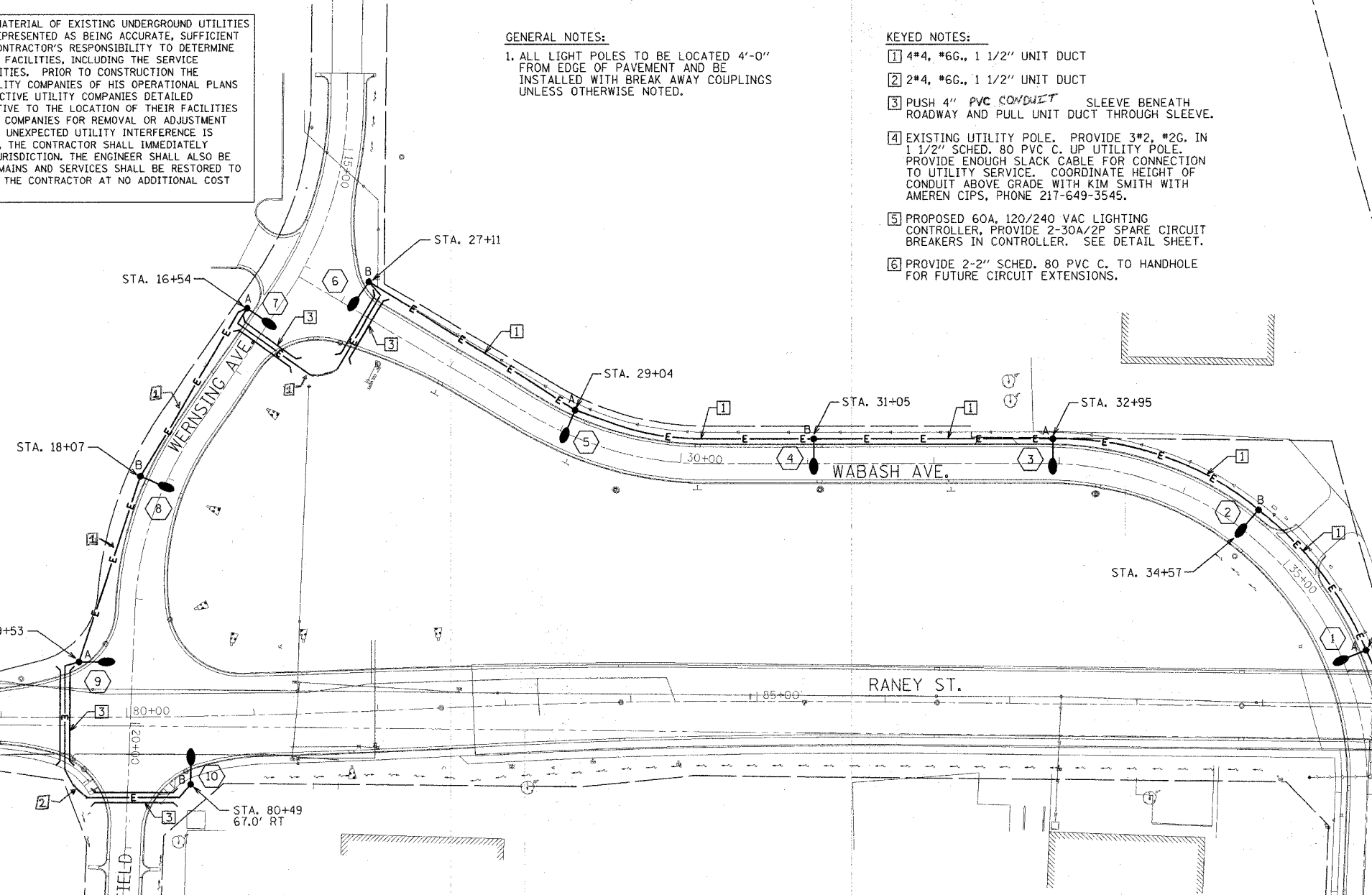
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 PLOT SCALE = 5/8"=1'-0"
 USER NAME = jcc
 LAYOUT: MH 03/24/06
 DRAWN: JWP 03/24/06
 REVIEWED: JTB 03/24/06



CIRCUIT A
 CONTROLLER
 60 AMP, 240 VOLT, SINGLE PHASE



CIRCUIT B
 CONTROLLER
 60 AMP, 240 VOLT, SINGLE PHASE



ROADWAY LIGHTING SCHEDULE OF QUANTITIES				
S.P.	IDOT CODE	DESCRIPTION	UNIT	QUANTITY
	83000500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. DAVIT ARM	EACH	10
	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	10
	81400400	CONCRETE HANDHOLE	EACH	1
	83600350	LIGHT POLE FOUNDATION METAL, 11" BOLT CIRCLE, 8" X 6'	EACH	10
	XX003763	UNIT DUCT, WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 1 1/4" DIAMETER POLYETHYLENE	FOOT	1500
		UNIT DUCT, WITH 2-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 1 1/4" DIAMETER POLYETHYLENE	FOOT	246
	81012600	CONDUIT IN TRENCH, 2" DIAMETER, PVC	FOOT	50
	81700130	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW), 1/C NO. 2	FOOT	140
	81012500	CONDUIT IN TRENCH, 1 1/2" DIAMETER, PVC	FOOT	30
	81021590	CONDUIT AUGERED, 4" DIA., PVC	FOOT	450
	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1300
	82500510	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 240VOLT	EACH	1
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
	80400200	ELECTRIC UTILITY SERVICE CONNECTION	LS	1

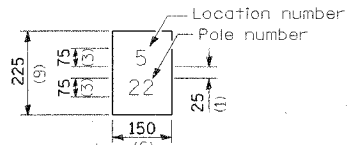
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHTING PLAN
WABASH AVENUE
 VERT. SCALE: 1"=50'
 HORIZ. SCALE: 1"=50'
 DATE: 03/24/06
 DRAWN BY: ANC
 CHECKED BY: RDN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	38
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

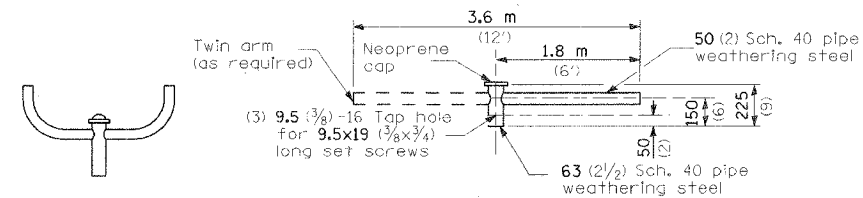
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (3/4) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 1/8) turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

Pole shall meet AASHTO Standard Specifications for 128.72 km (80 mph) wind loading and 40.82 kg (90 lb.), .37 m² (4.0 sq. ft.) E.P.A. luminaire.



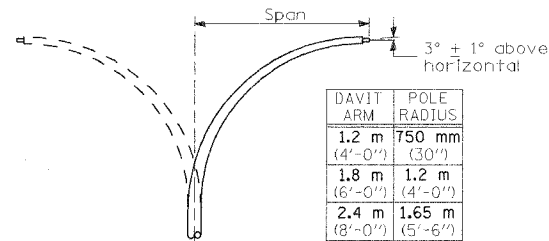
The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.



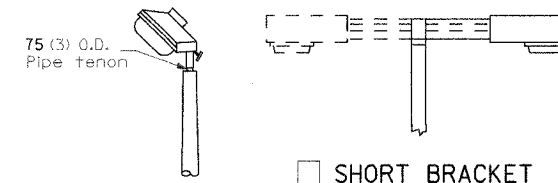
TWIN TENON TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.

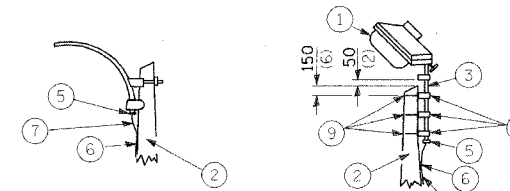


DAVIT ARM	POLE RADIUS
1.2 m (4'-0")	750 mm (30")
1.8 m (6'-0")	1.2 m (4'-0")
2.4 m (8'-0")	1.65 m (5'-6")
3.6 m (12'-0")	1.65 m (5'-6")

DAVIT ARM DAVIT ARM-TWIN

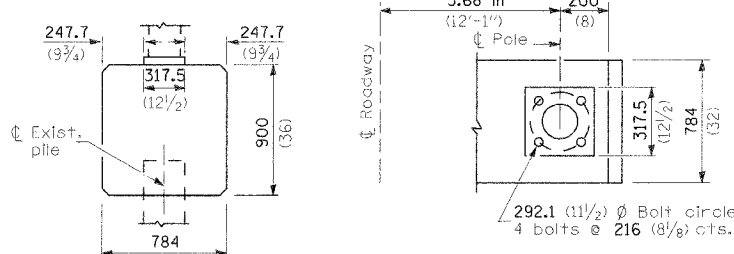
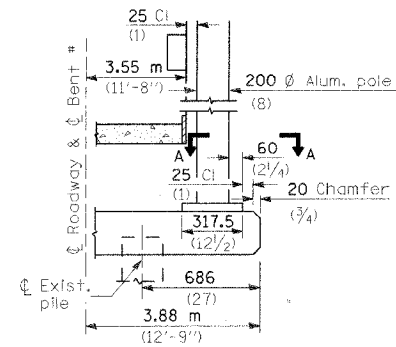


TENON SHORT BRACKET SHORT BRACKET - TWIN



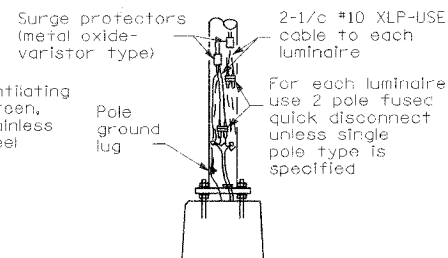
MAST ARM TENON

- 1 Luminaire
- 2 Wood pole, class 3 or better
- 3 63 (2 1/2) Galv. steel conduit
- 4 Single offset pole band
- 5 Conduit bushing
- 6 Cable clamps on 600 (24) centers
- 7 2/c #12 Type use cable
- 8 25 (1) Galv. steel conduit 3.0 m (10') in length
- 9 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- 10 Conduit clamps on 900 (36) centers
- 11 Unit duct
- 12 Threaded reducer
- 13 "C" Conduit, threaded
- 14 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.

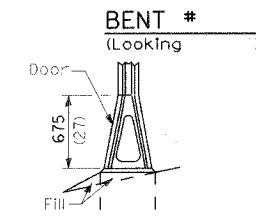


BRIDGE PIER MOUNT

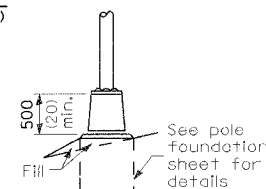
SECTION A-A



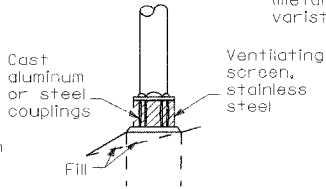
ANCHOR



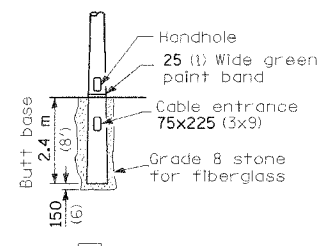
STAINLESS STEEL FLAIR BASE



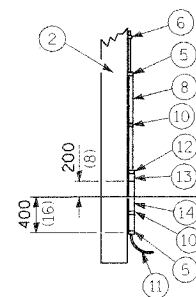
TRANSFORMER BASE



BREAKAWAY COUPLING



BUTT BASE



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

METAL OR CONCRETE

Details for underground distribution if required

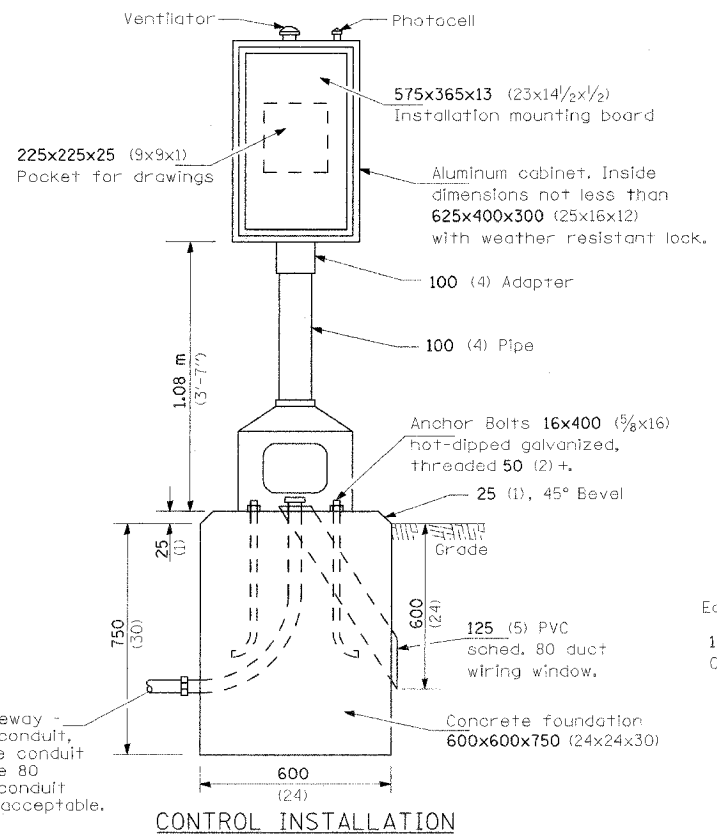
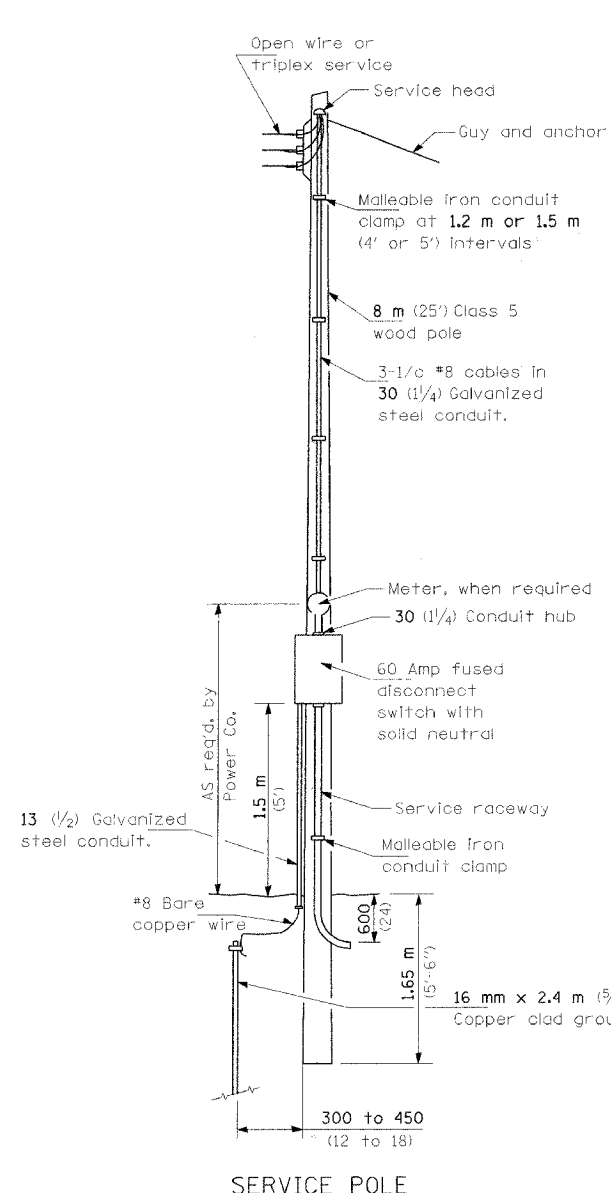
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		POLE STANDARDS

SCALE: VERT. DATE 03/24/06
HORIZ. DRAWN BY ANC
CHECKED BY RDN

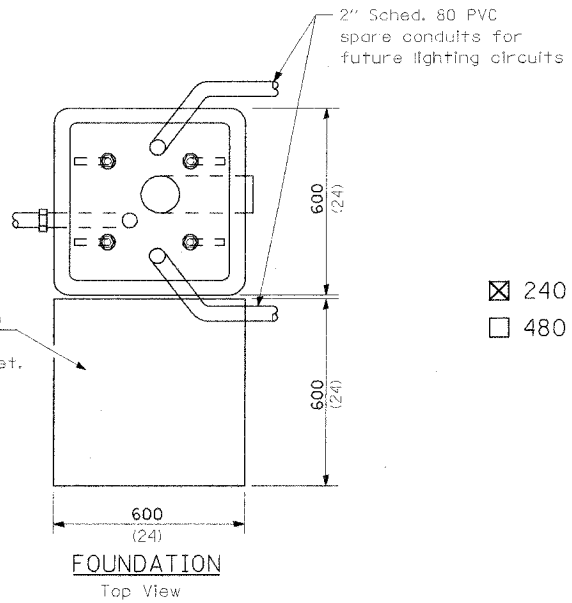
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-5F	EFFINGHAM	40	39
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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 Spring Offices Nationwide

PLOT DATE = 03/24/05 03:31 PM
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 USER NAME = RDN
 LAYOUT: MR 03/24/05
 DRAWN: JAP 03/24/05
 REVIEWED: JTB 03/24/05



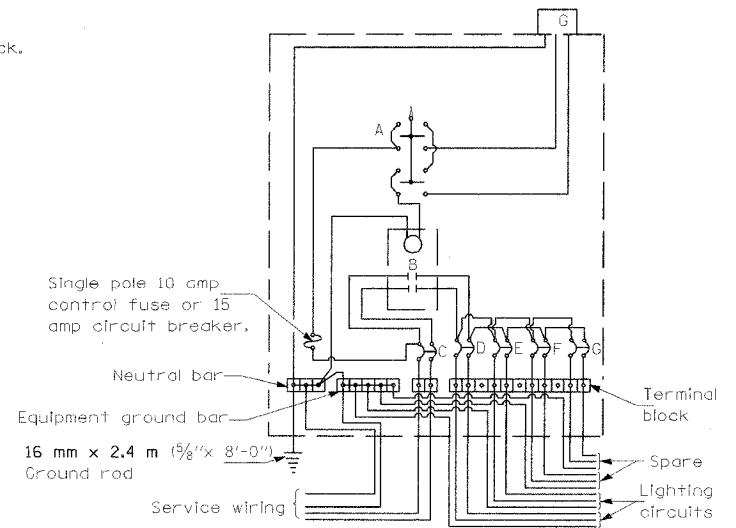
CONTROL INSTALLATION Front View



FOUNDATION Top View

- ☒ 240 V. SERVICE
- ☐ 480 V. SERVICE

- A Selector switch
- B 2 Pole 60 amp contactor
- C 2 Pole 60 amp service disconnect
- D,E,F,G 2 Pole 30 amp breakers
- H Photocell w/integral surge arrester



WIRING DIAGRAM

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 46 m (150'). Total aerial and underground service between the control installation and primary transformer shall not exceed 76 m (250').

For 480 V. systems, a 480/120 V. control transformer will be required.

Where soil conditions permit, and where approved by the Engineer, a 150 mm dia. x 1.5 m (6" dia. x 5'-0") long metal screw in foundation may be used in lieu of a concrete foundation.

All dimensions are in millimeters unless otherwise shown.

REVISIONS	
NAME	DATE

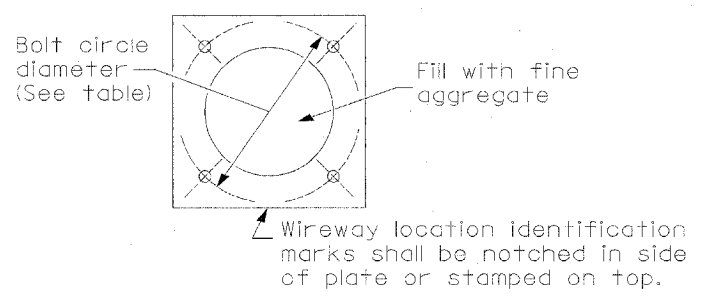
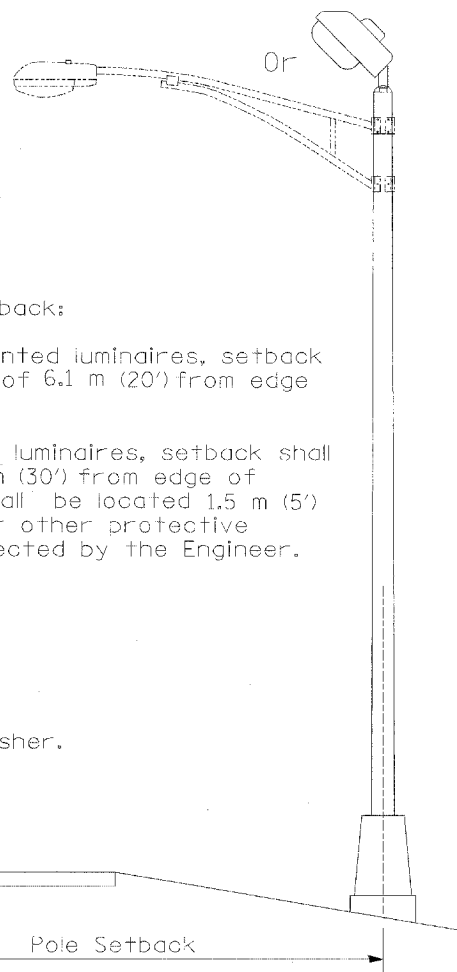
ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTROL INSTALLATION
TYPE CB-RCS-60

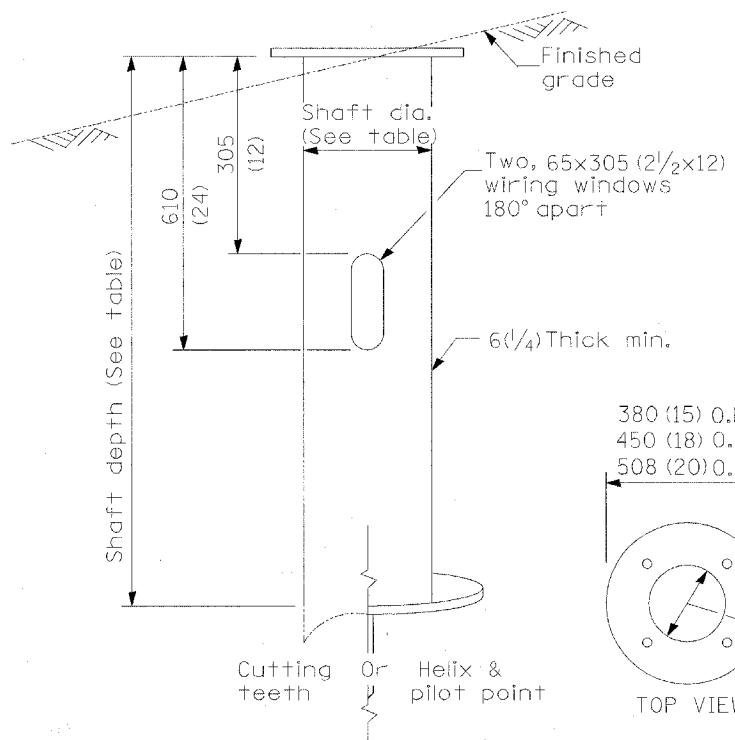
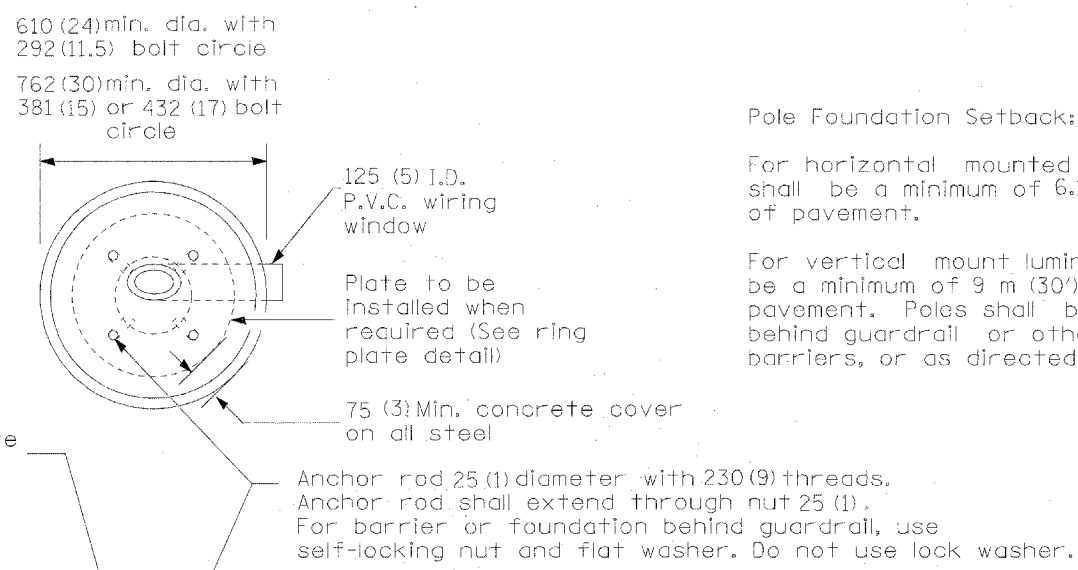
SCALE: VERT. DRAWN BY ANC
 HORIZ. CHECKED BY RDN
 DATE 03/24/06

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
<9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13m (7'-0")	2.00 m (6'-9")

- ① Length does not include 100(4)hook
- ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
- ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used

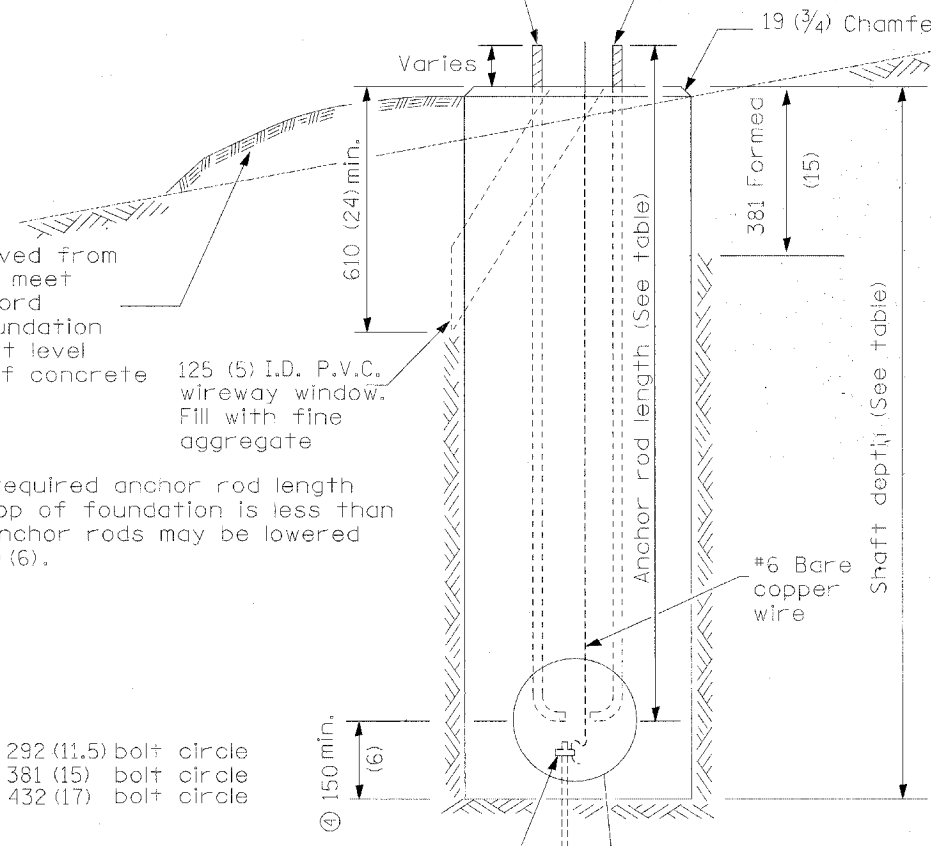
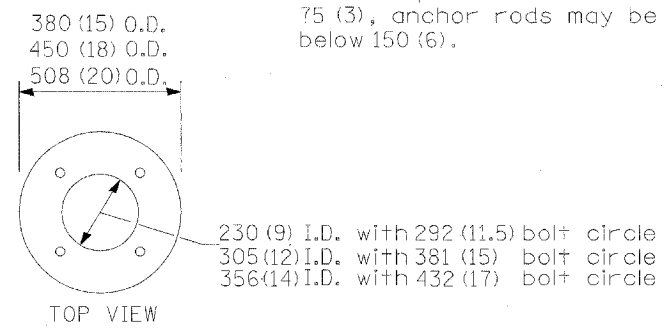


Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor for a specific installation.



Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

- ④ If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).



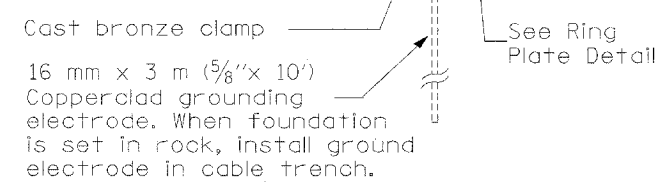
- Notes:
- 1) Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
 - 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
 - 3) All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
 - 4) Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24 (50') mounting height or above.
 - 5) TB3-17 transformer base is not to be used on metal foundation

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

STEEL FOUNDATION



CONCRETE FOUNDATION



DATE	REVISIONS
10/7/02	Bridge Office depth calc.

LIGHT POLE FOUNDATION

LGT007-836