

QUANTITIES (SF)		
EXCAVATION	=	134.6
UNSUITABLE	=	0.0
EMBANKMENT	=	0.0
TOPSOIL	=	0.0

DATE	BY

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED

DATE	BY

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 1005+00.00 TO STA. 1006+50.00

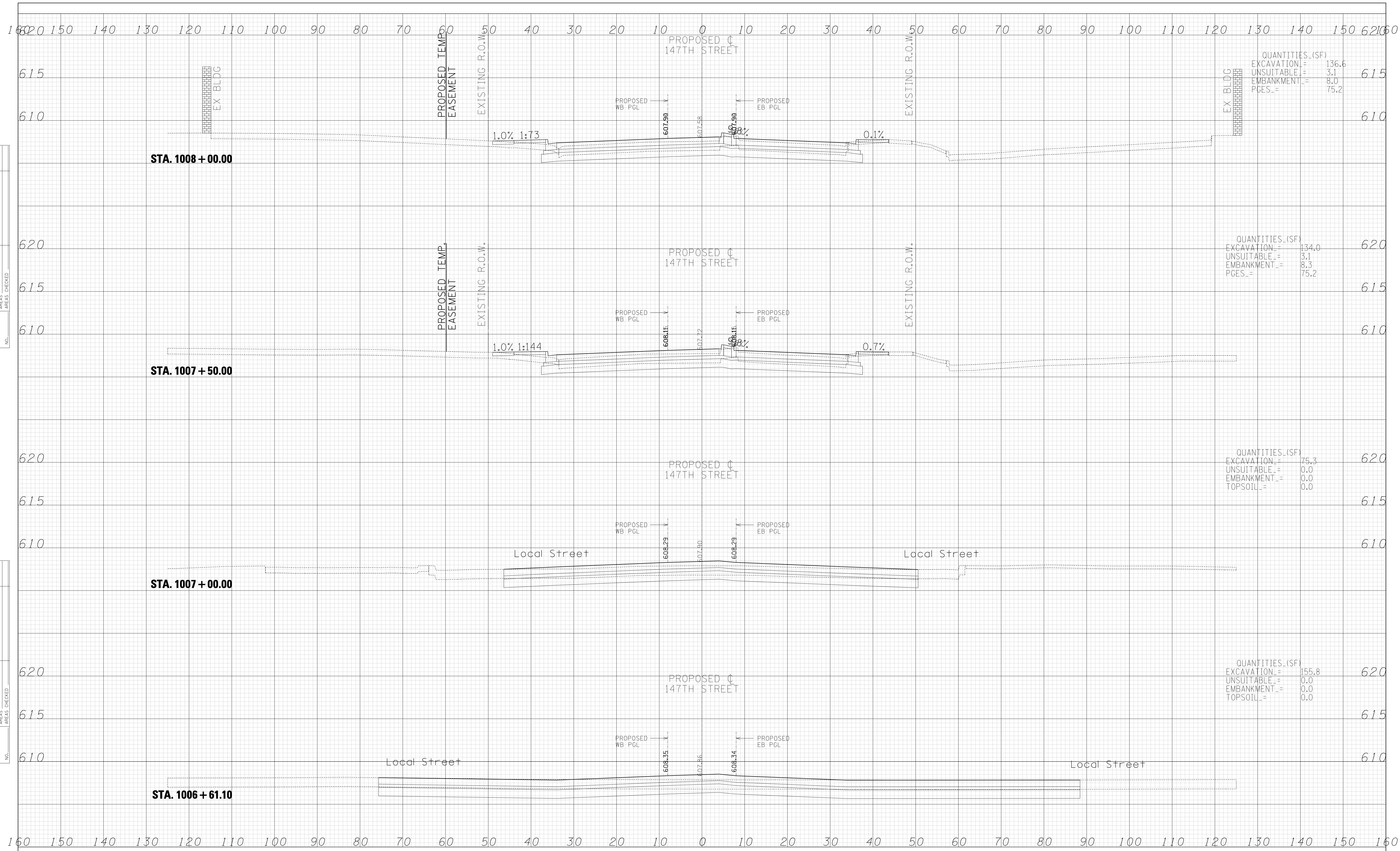
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	501

CONTRACT NO. 60M57

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



QUANTITIES_(SF)	
EXCAVATION_	136.6
UNSUITABLE_	3.1
EMBANKMENT_	8.0
PGES_	75.2

QUANTITIES_(SF)	
EXCAVATION_	134.0
UNSUITABLE_	3.1
EMBANKMENT_	8.3
PGES_	75.2

QUANTITIES_(SF)	
EXCAVATION_	75.3
UNSUITABLE_	0.0
EMBANKMENT_	0.0
TOPSOIL_	0.0

QUANTITIES_(SF)	
EXCAVATION_	155.8
UNSUITABLE_	0.0
EMBANKMENT_	0.0
TOPSOIL_	0.0

TYLIN INTERNATIONAL

USER NAME	-	DESIGNED	-	JPM	REVISED	-
		DRAWN	-	JDF	REVISED	-
PLOT SCALE	-	CHECKED	-	JPM	REVISED	-
PLOT DATE	-	DATE	-	2/24/2012	REVISED	-

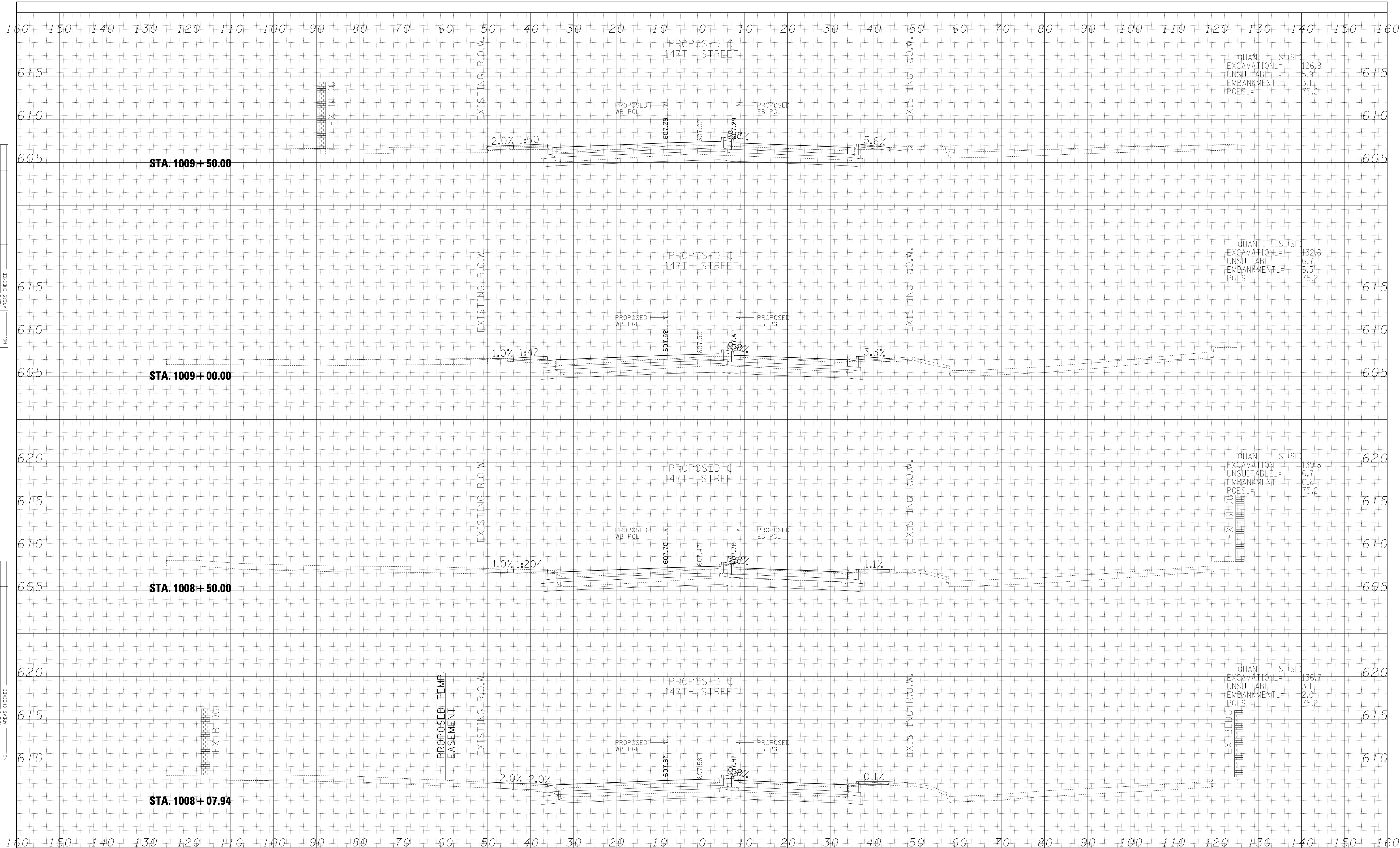
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1006+61.10 TO STA. 1008+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	502
CONTRACT NO. 60M57			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

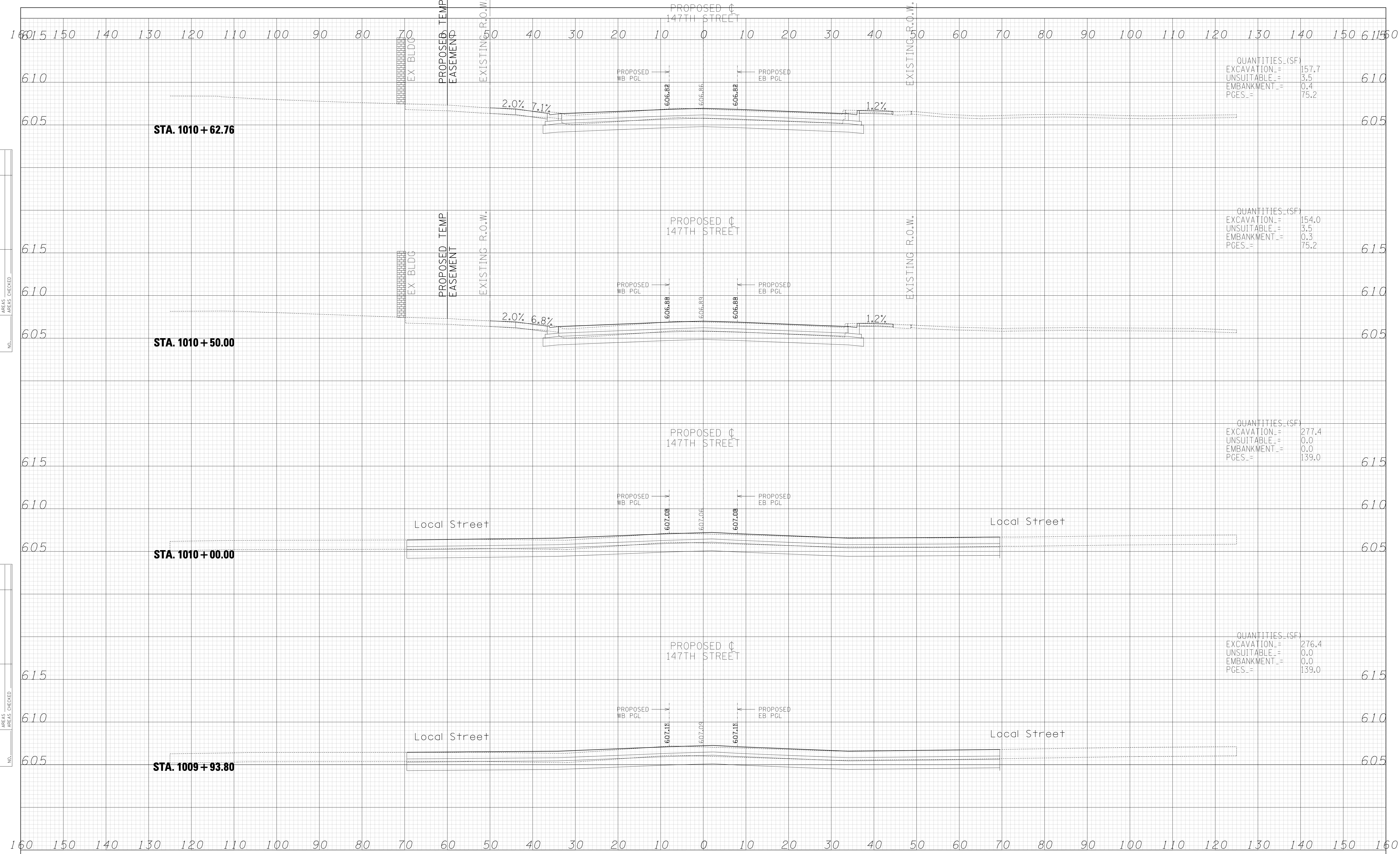
SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1008+07.94 TO STA. 1009+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	503
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

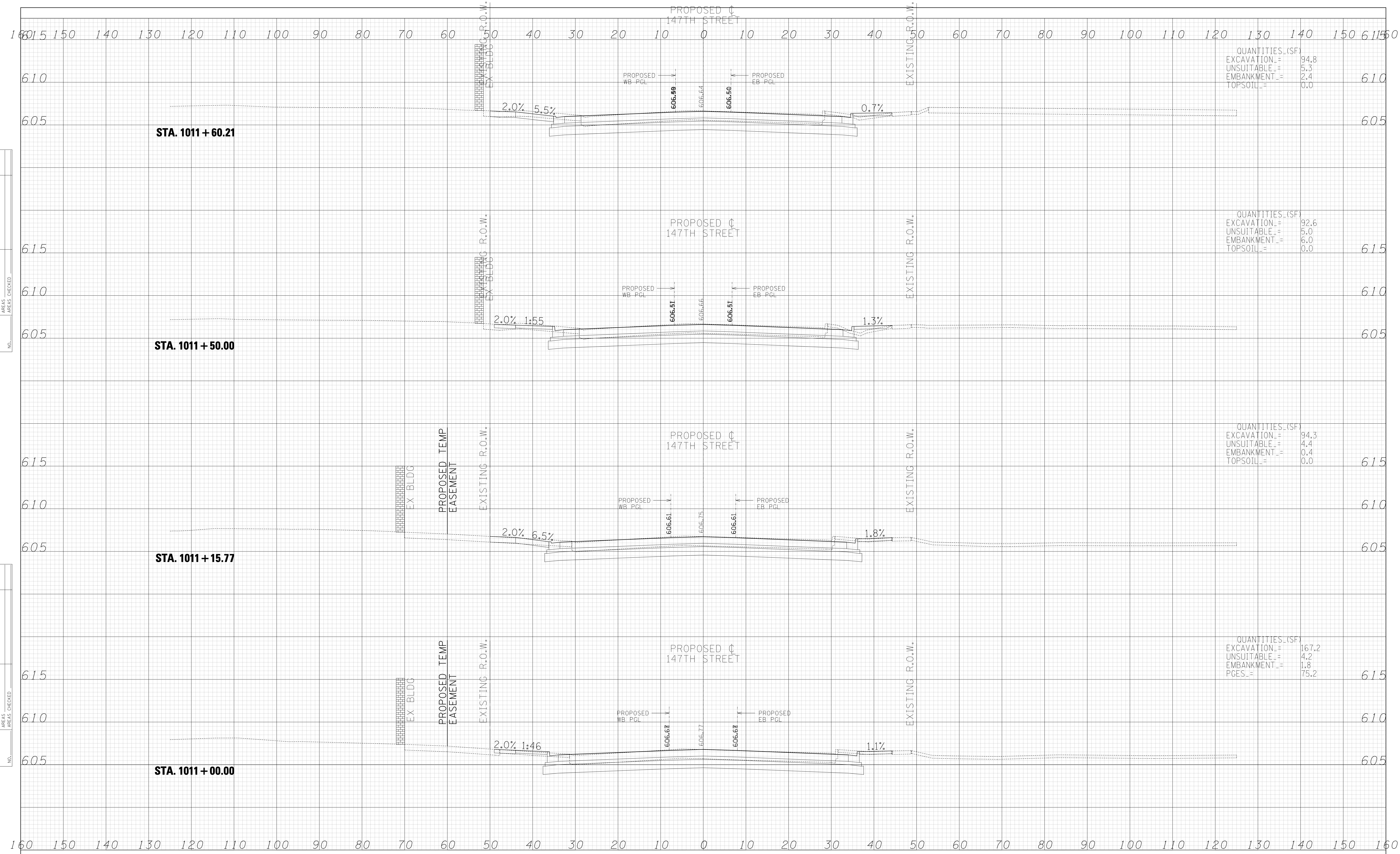
SHEET NO. OF SHEETS STA. 1009+93.80 TO STA. 1010+62.76

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	504
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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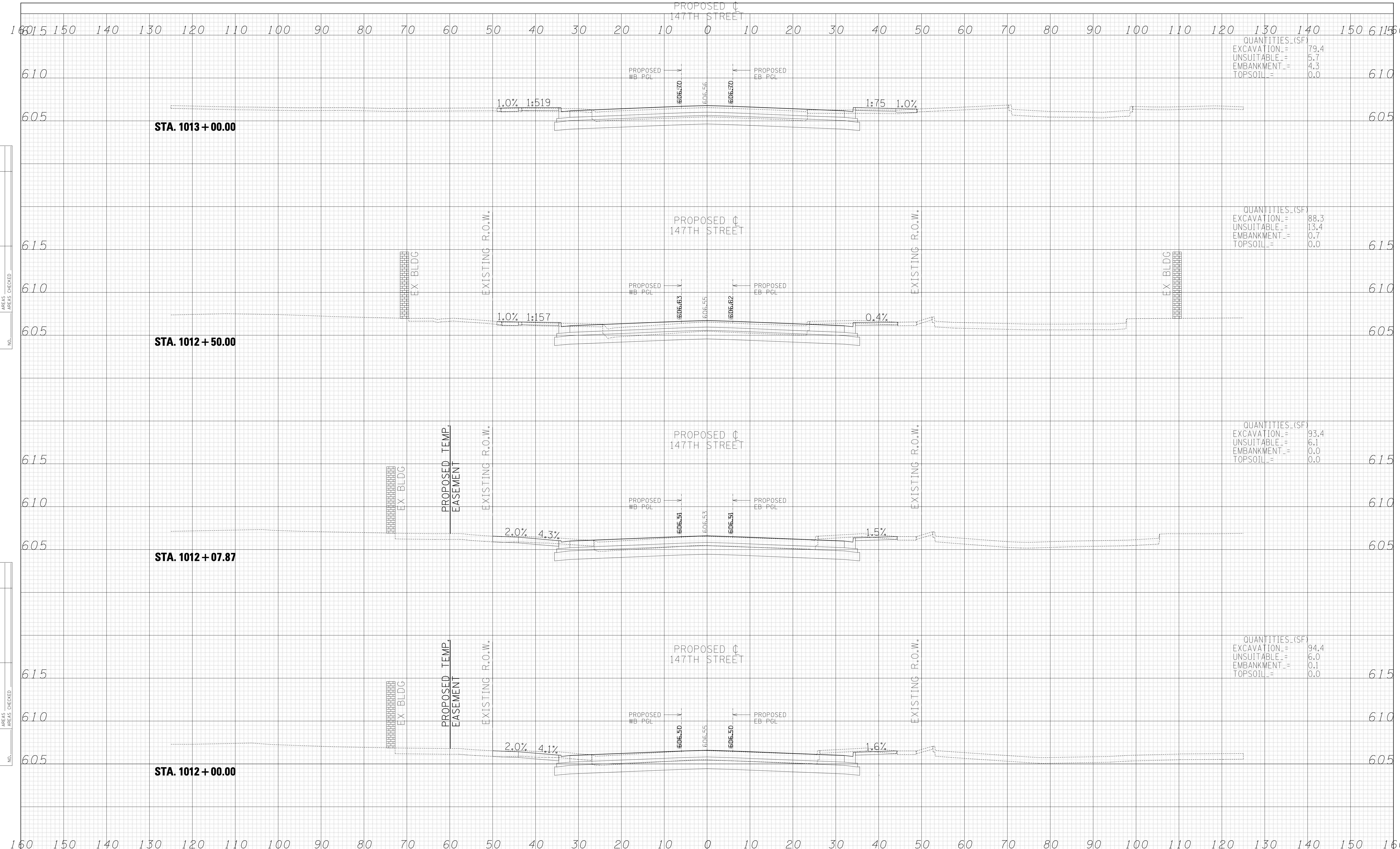


TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - JPM DRAWN - JDF CHECKED - JPM DATE - 2/24/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-294 AT I-57 INTERCHANGE PROJECT PROPOSED 147TH STREET CROSS SECTIONS		F.A. RTE. = 57 SECTION = 1414.2B COUNTY = COOK TOTAL SHEETS = 577 SHEET NO. = 505	
	SCALE: 1" = 10' V, 1" = 100' H			SHEET NO. OF SHEETS STA. 1011+00.00 TO STA. 1011+60.21	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
	CONTRACT NO. 60M57						

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



QUANTITIES (SF)	
EXCAVATION	79.4
UNSUITABLE	5.7
EMBANKMENT	4.3
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	88.3
UNSUITABLE	13.4
EMBANKMENT	0.7
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	93.4
UNSUITABLE	6.1
EMBANKMENT	0.0
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	94.4
UNSUITABLE	6.0
EMBANKMENT	0.1
TOPSOIL	0.0

TYLIN INTERNATIONAL

USER NAME	-	DESIGNED	-	JPM	REVISED	-
		DRAWN	-	JDF	REVISED	-
PLOT SCALE	-	CHECKED	-	JPM	REVISED	-
PLOT DATE	-	DATE	-	2/24/2012	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

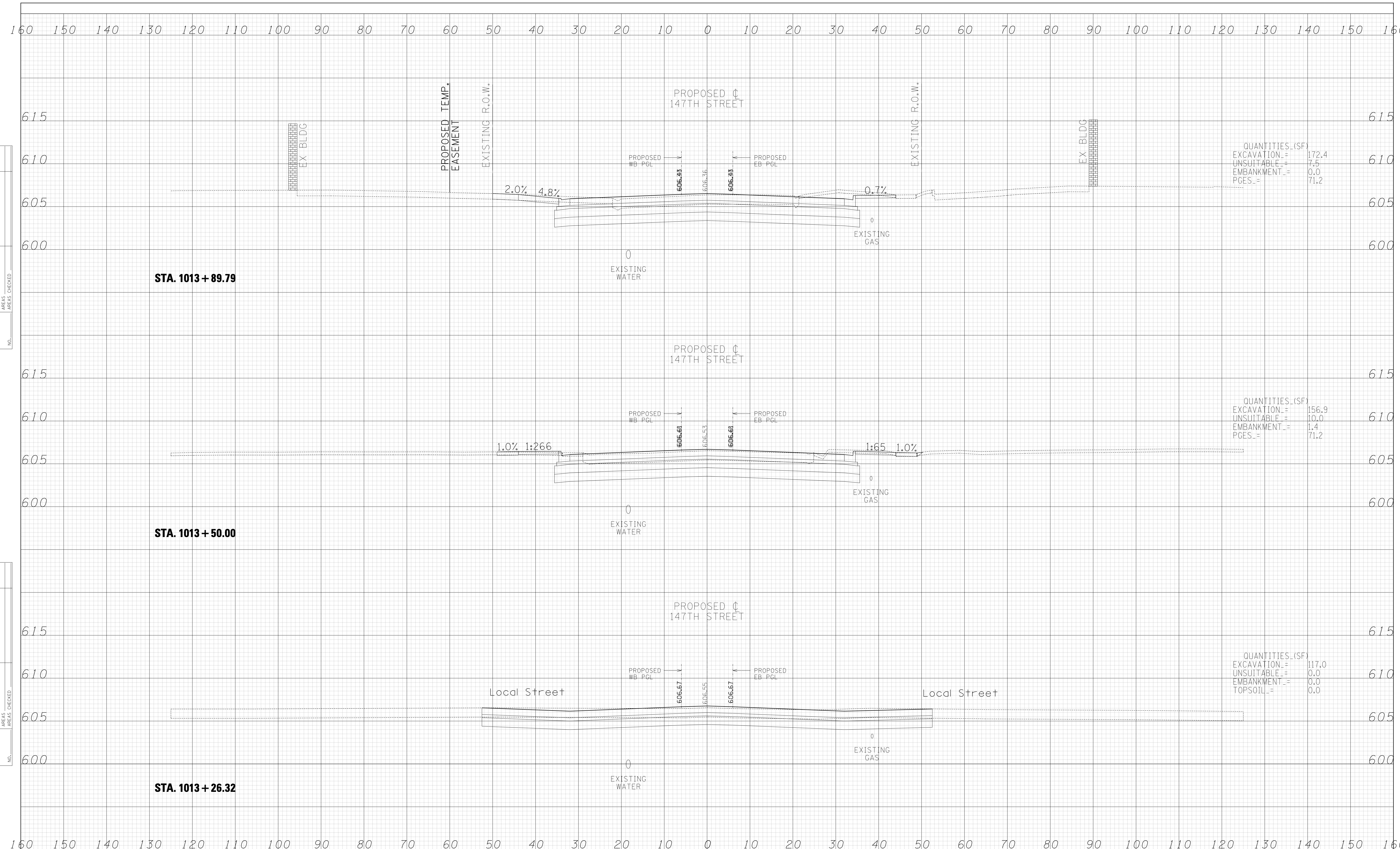
SHEET NO. OF SHEETS STA. 1012+00.00 TO STA. 1013+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	506
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	
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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

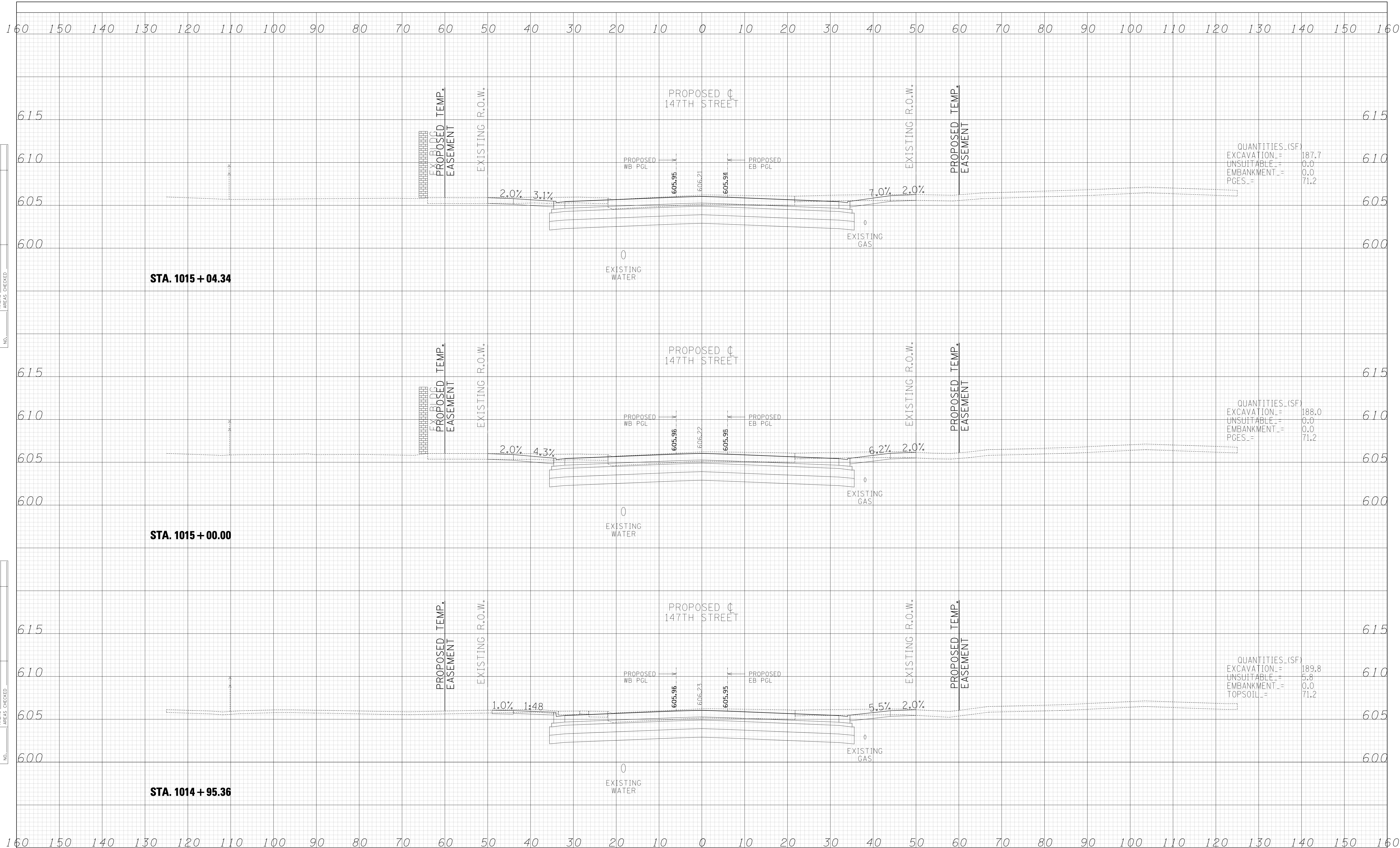
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1013+26.32 TO STA. 1013+89.79

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	507
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 60M57				

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TEMPLATE	AREAS CHECKED
NOTE BOOK	NO.

TYLIN INTERNATIONAL

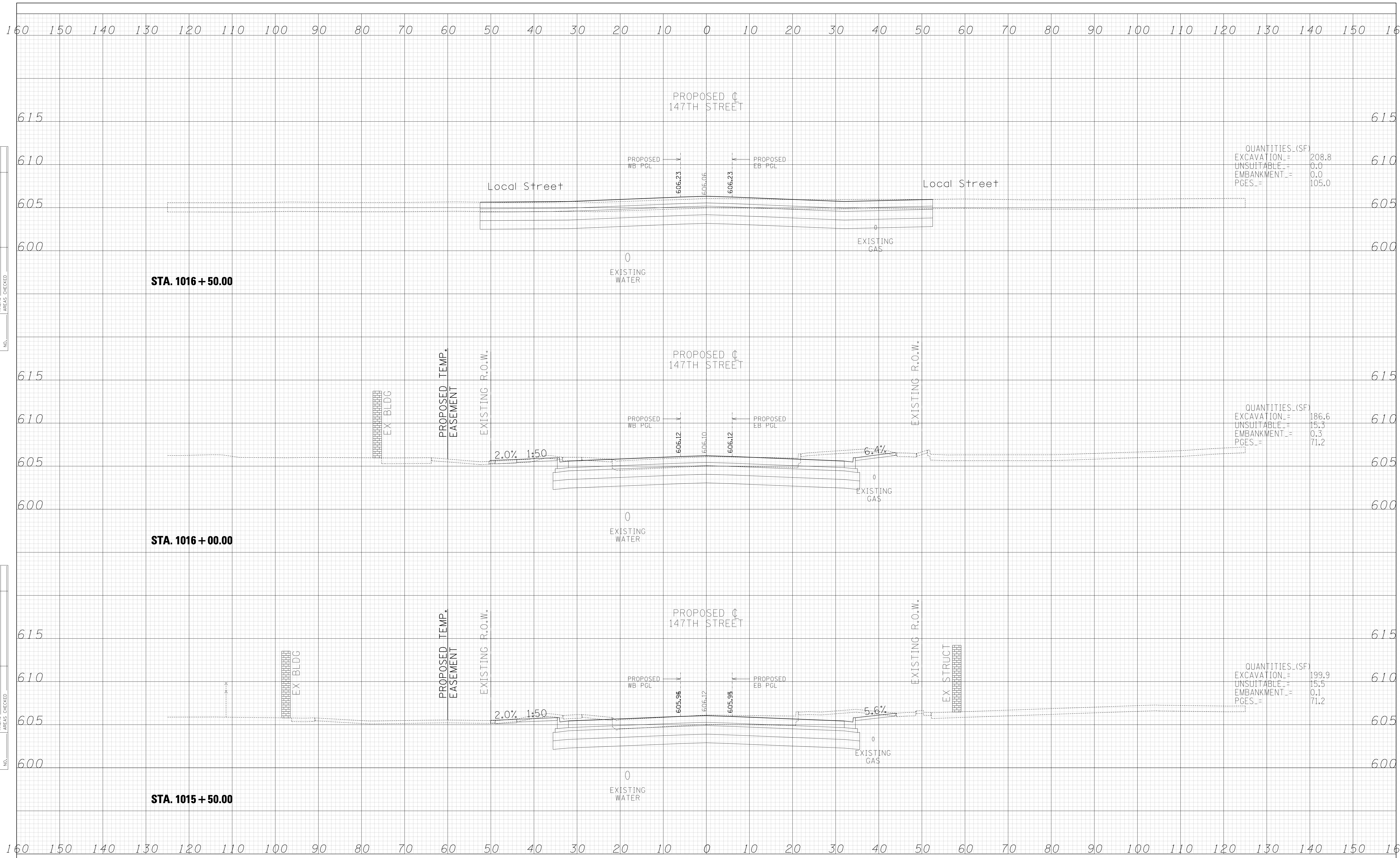
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PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1014+95.36 TO STA. 1015+04.34

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	508
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE	
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FINAL SURVEY	
NO. _____	

DATE	
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SURVEYED	
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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISSED -
	DRAWN - JDF	REVISSED -
PLOT SCALE =	CHECKED - JPM	REVISSED -
PLOT DATE	DATE - 2/24/2012	REVISSED -

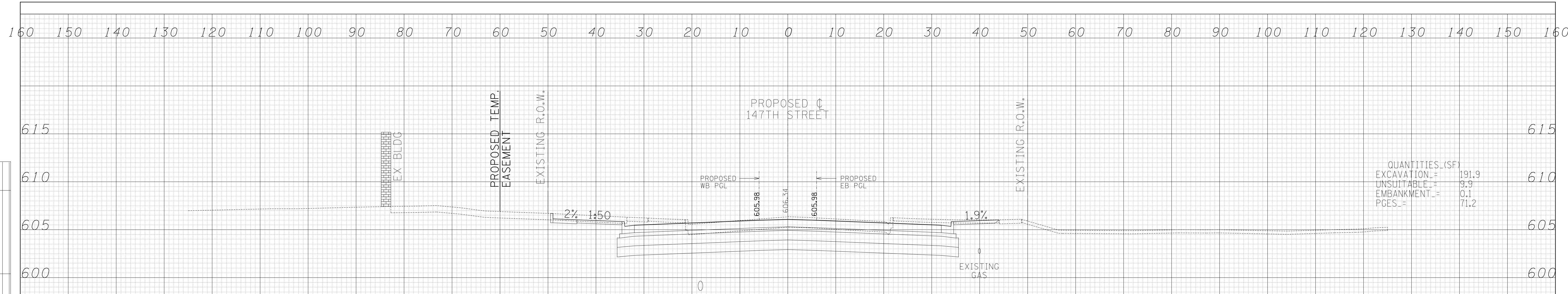
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**
SCALE: 1/2" = 10' V, 1/8" = 10' H
SHEET NO. OF SHEETS STA. 1015+50.00 TO STA. 1016+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	509
CONTRACT NO. 60M57			ILLINOIS FED. AID PROJECT	

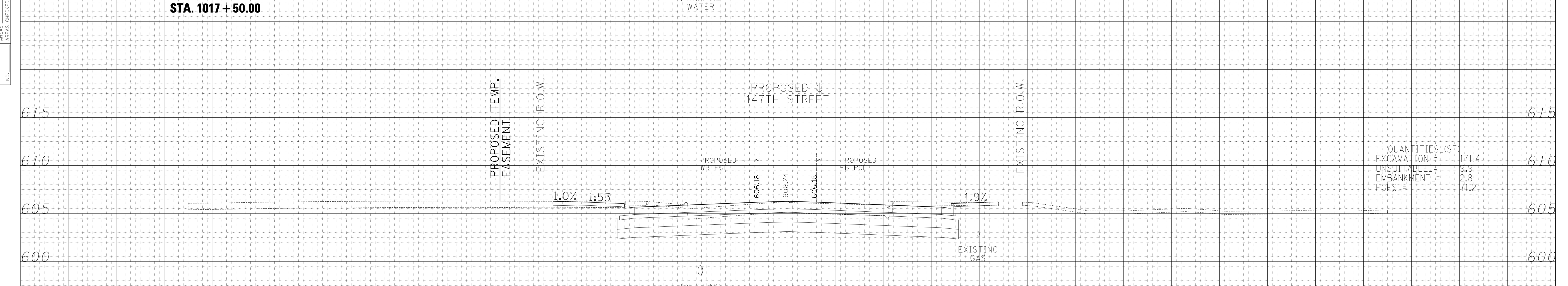
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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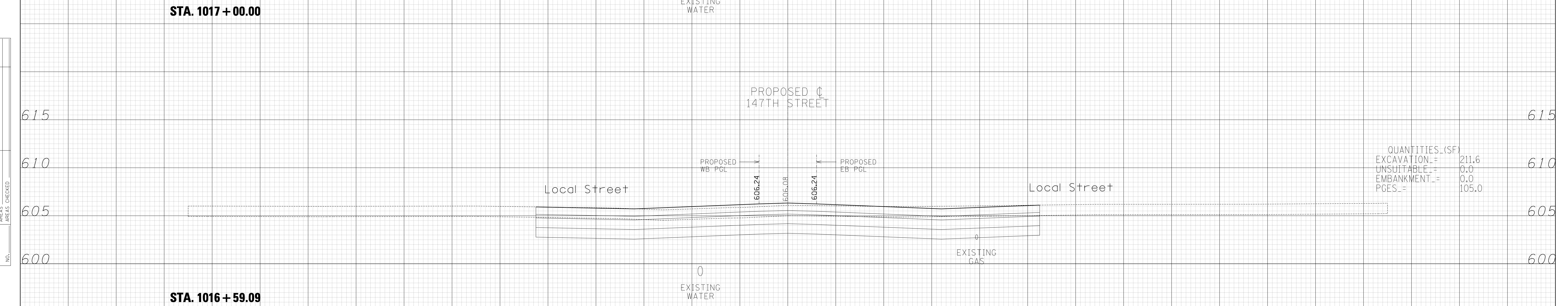
QUANTITIES (SF)		
EXCAVATION	=	191.9
UNSUITABLE	=	9.9
EMBANKMENT	=	0.1
PGES	=	71.2

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



QUANTITIES (SF)		
EXCAVATION	=	171.4
UNSUITABLE	=	9.9
EMBANKMENT	=	2.8
PGES	=	71.2

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160



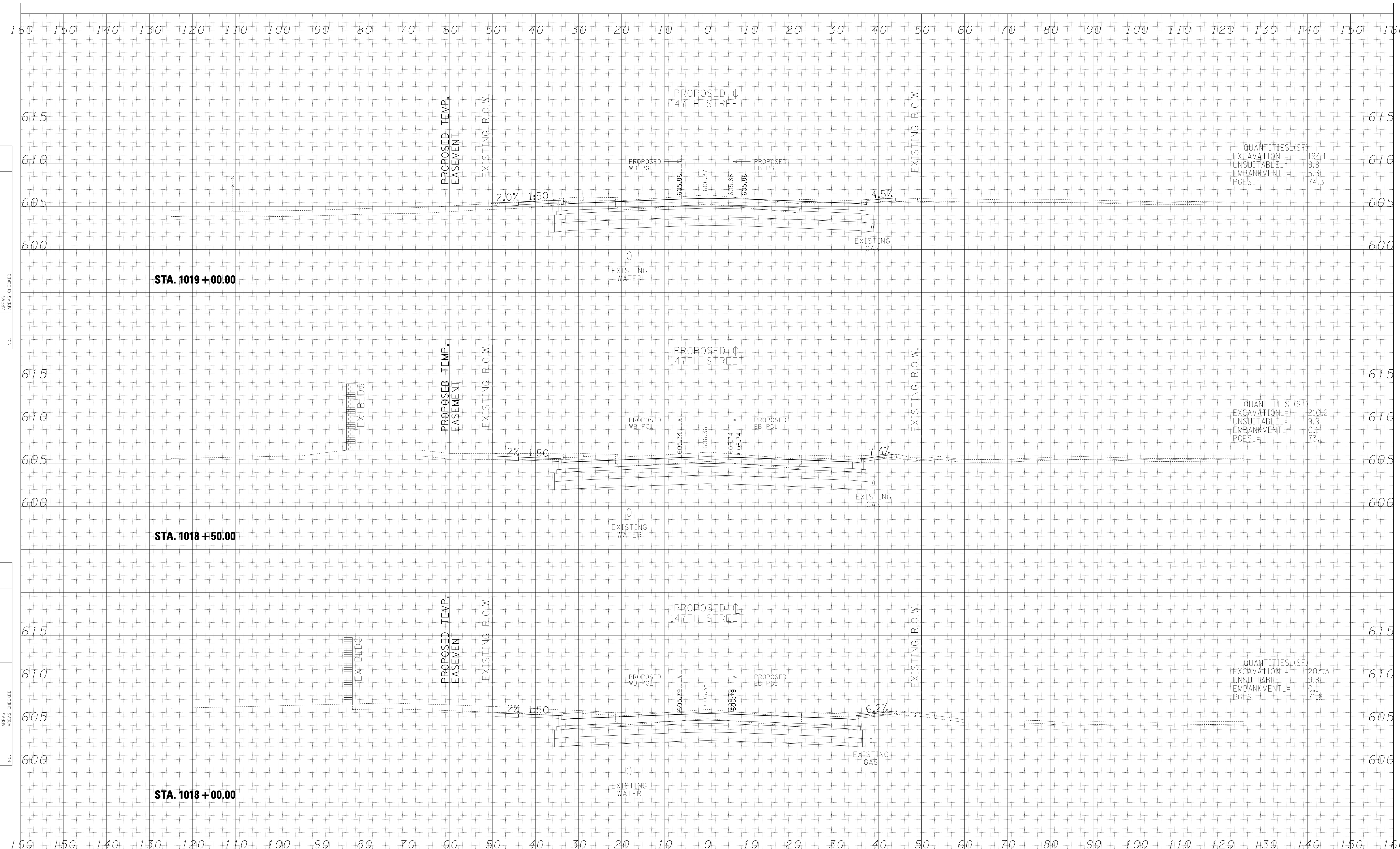
QUANTITIES (SF)		
EXCAVATION	=	211.6
UNSUITABLE	=	0.0
EMBANKMENT	=	0.0
PGES	=	105.0

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JPM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-294 AT I-57 INTERCHANGE PROJECT PROPOSED 147TH STREET CROSS SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - JDF	REVISED -			57	1414.2B	COOK	577	510
	PLOT DATE	CHECKED - JPM	REVISED -			CONTRACT NO. 60M57				
	DATE - 2/24/2012	REVISED -		SCALE: 1/4" = 10' V, 1/8" = 10' H	SHEET NO. OF SHEETS	STA. 1016+59.09 TO STA. 1017+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED



QUANTITIES (SF)

EXCAVATION	=	194.1
UNSUITABLE	=	9.8
EMBANKMENT	=	5.3
PGES	=	74.3

QUANTITIES (SF)

EXCAVATION	=	210.2
UNSUITABLE	=	9.9
EMBANKMENT	=	0.1
PGES	=	73.1

QUANTITIES (SF)

EXCAVATION	=	203.3
UNSUITABLE	=	9.8
EMBANKMENT	=	0.1
PGES	=	71.8

TYLIN INTERNATIONAL

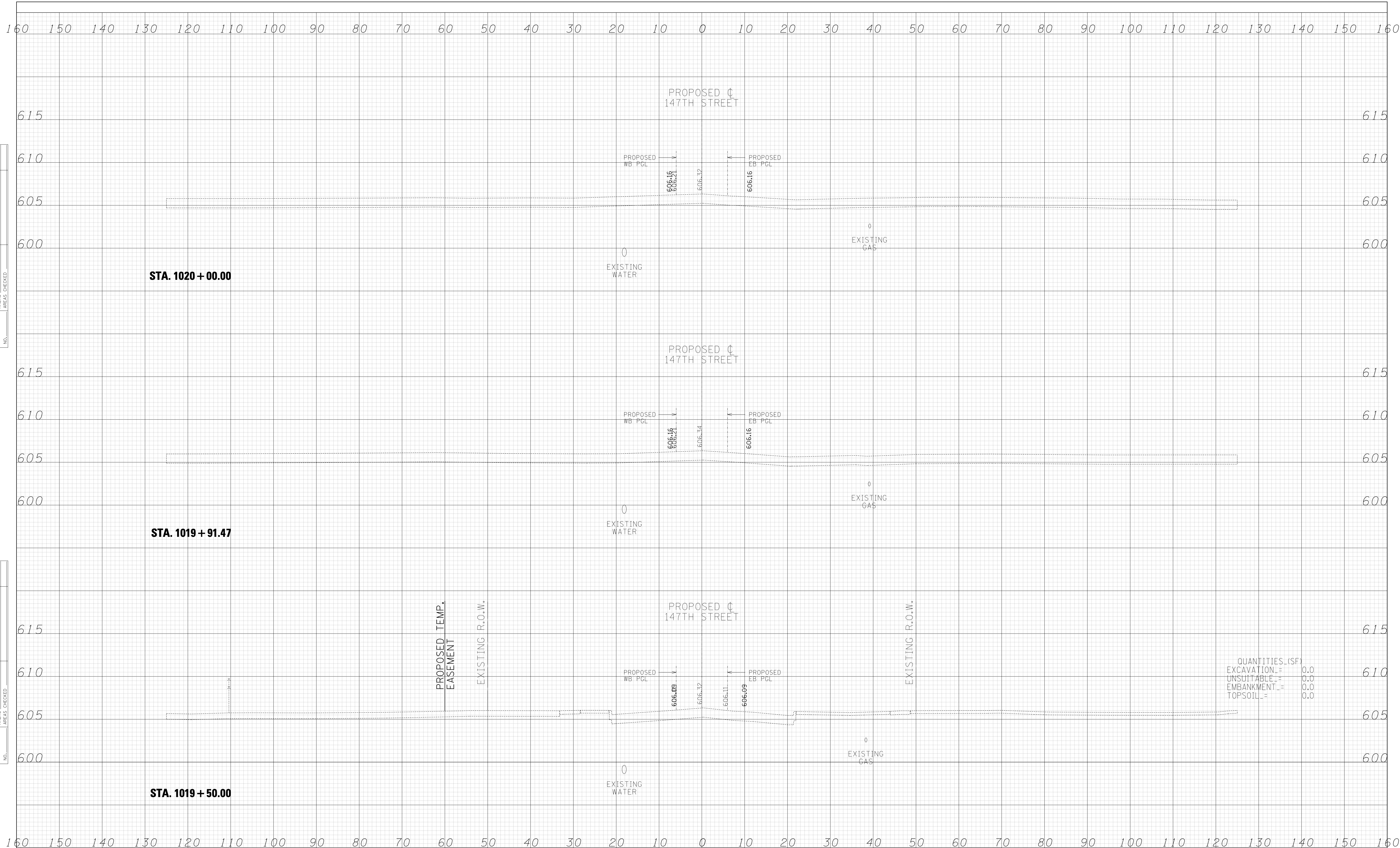
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PLOT DATE	=		DATE	-	2/24/2012	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	511
				CONTRACT NO. 60M57

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1018+00.00 TO STA. 1019+00.00



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ORIGINAL SURVEY NOTE BOOK NO.	

QUANTITIES (SF)	
EXCAVATION	= 0.0
UNSUITABLE	= 0.0
EMBANKMENT	= 0.0
TOPSOIL	= 0.0

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

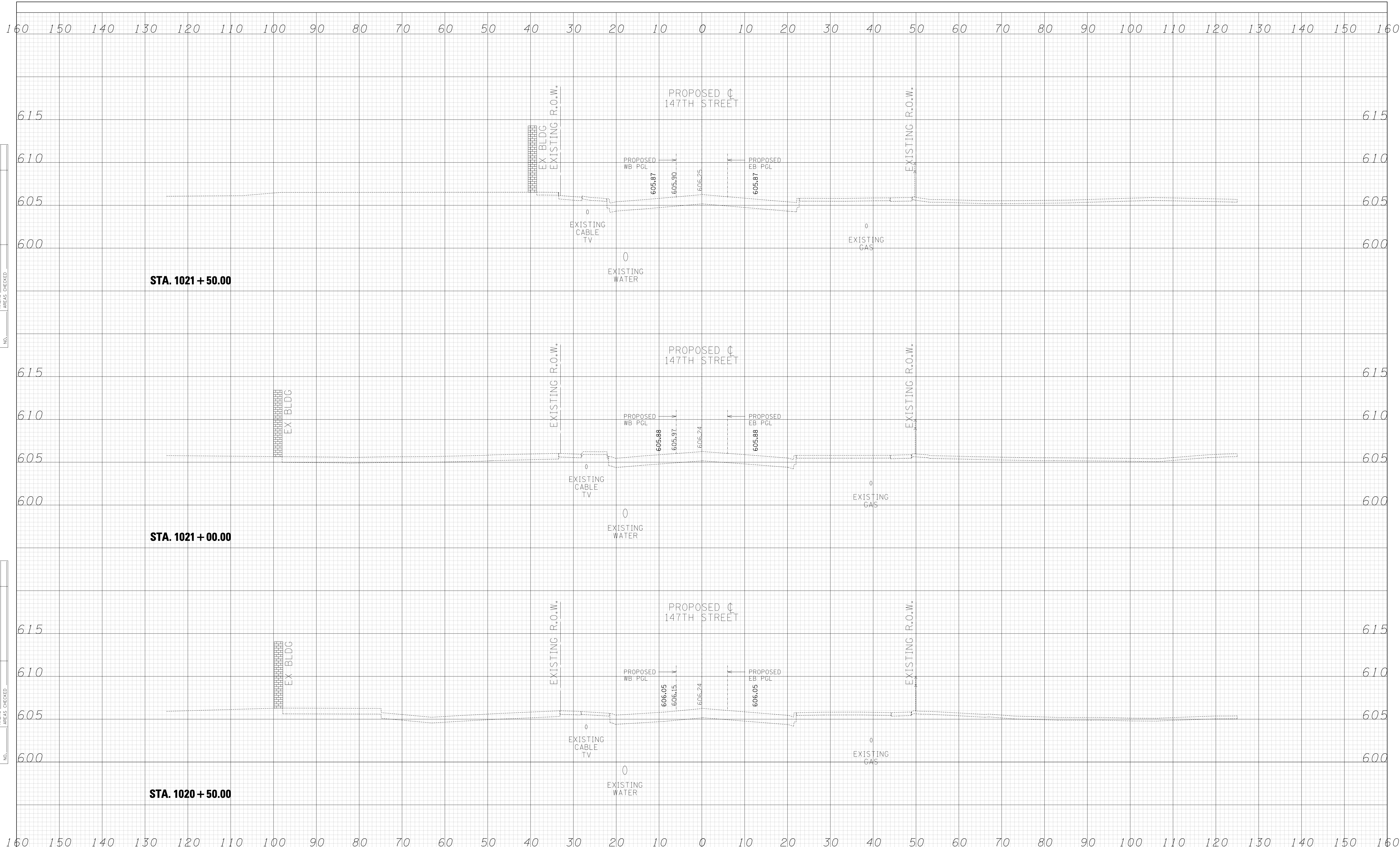
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1019+50.00 TO STA. 1020+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	512
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



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TYLIN INTERNATIONAL

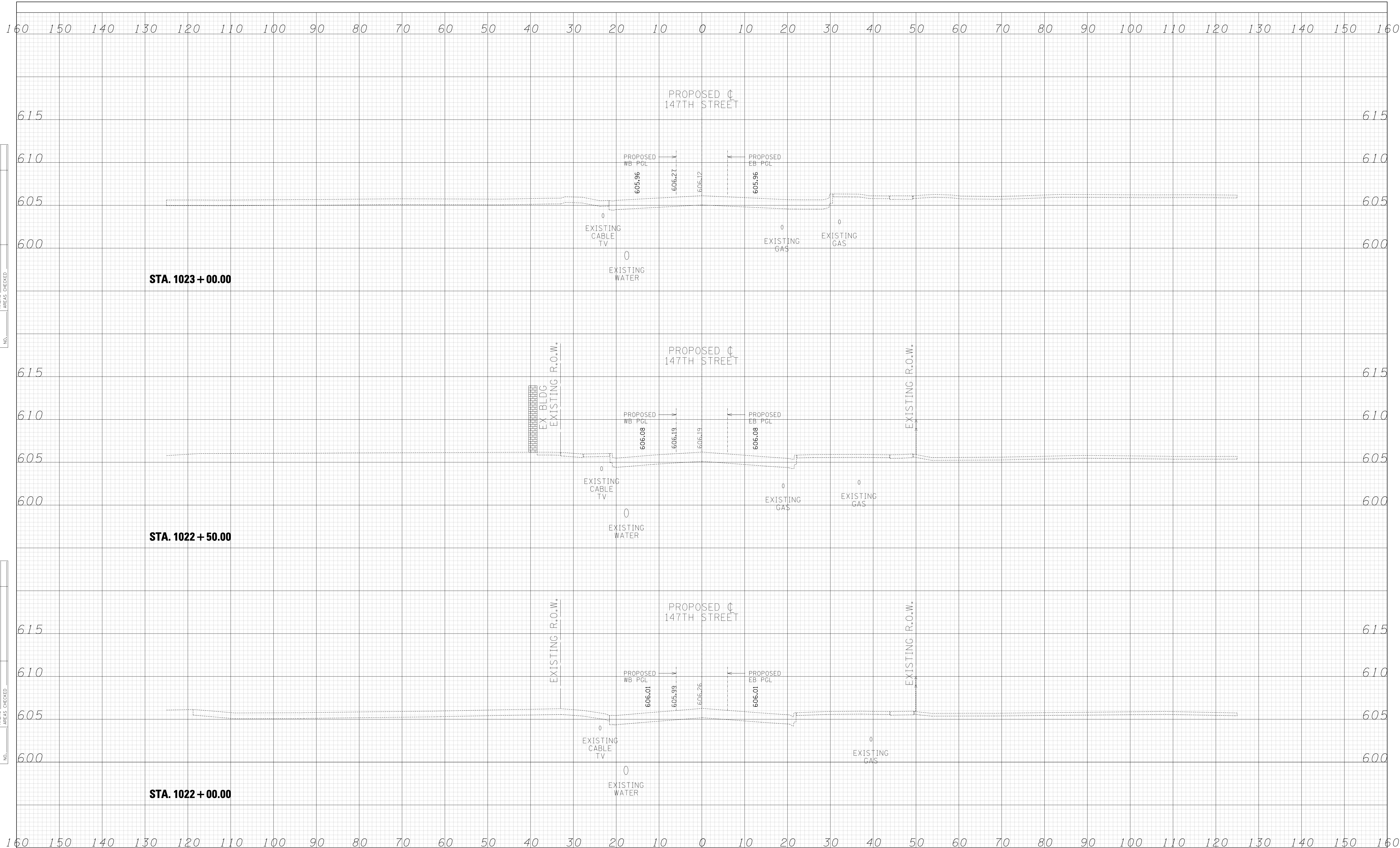
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PLOT DATE	CHECKED - JPM	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1020+50.00 TO STA. 1021+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	513
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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TYLIN INTERNATIONAL

USER NAME -	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE -	CHECKED - JPM	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

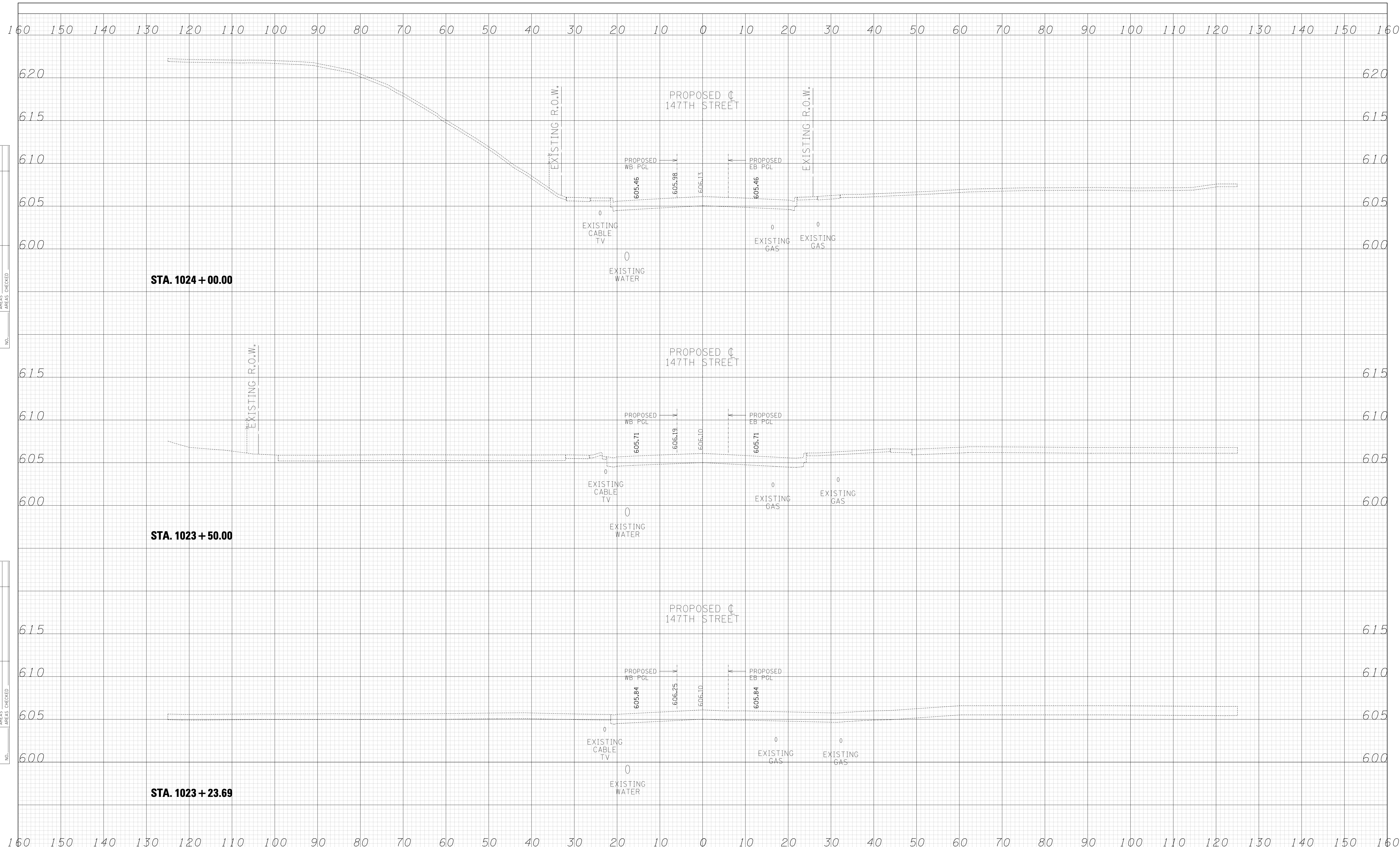
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1022+00.00 TO STA. 1023+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	514
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

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TYLIN INTERNATIONAL

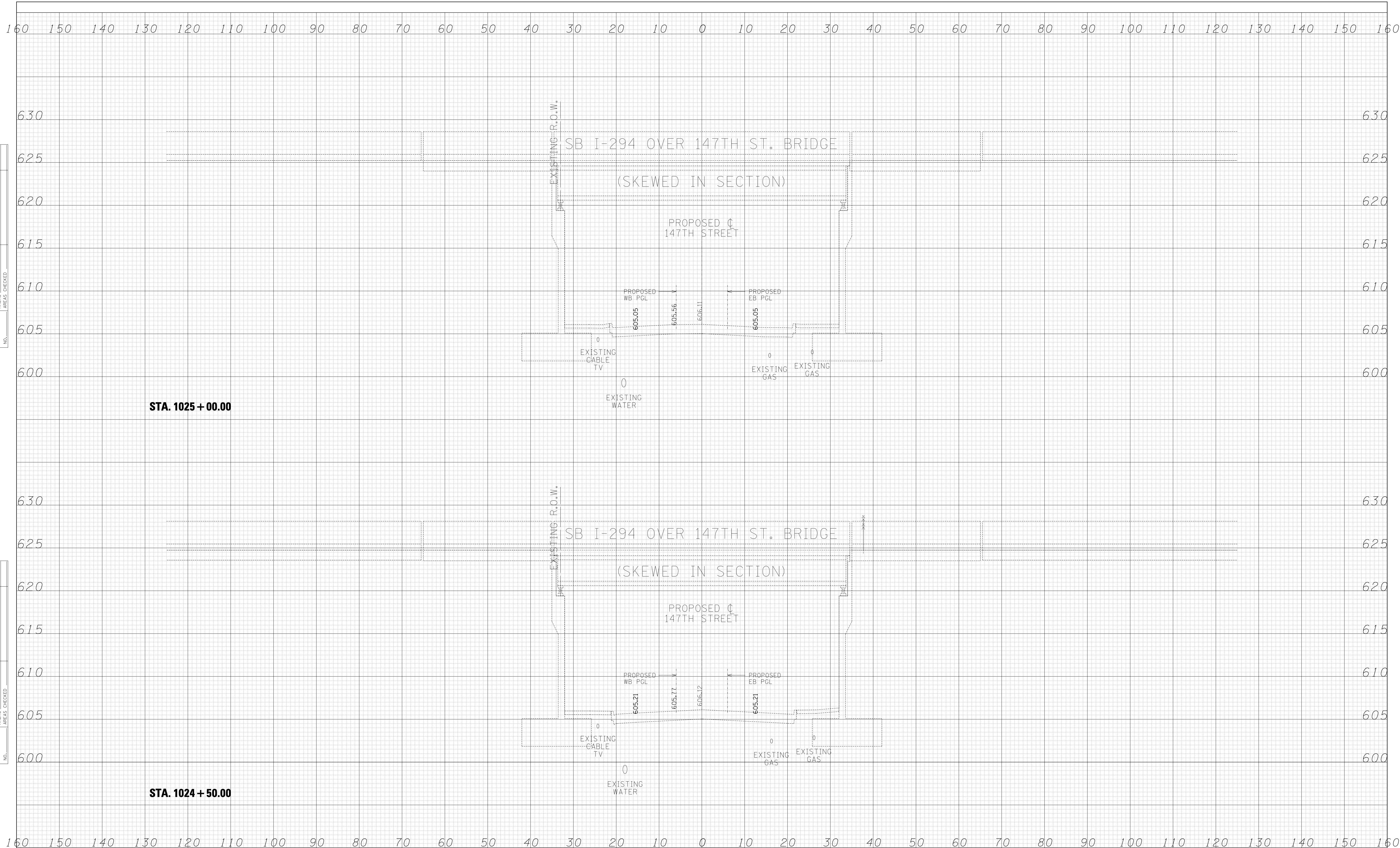
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PLOT SCALE -	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 100' H
SHEET NO. OF SHEETS STA. 1023+23.69 TO STA. 1024+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	515
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



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TYLIN INTERNATIONAL

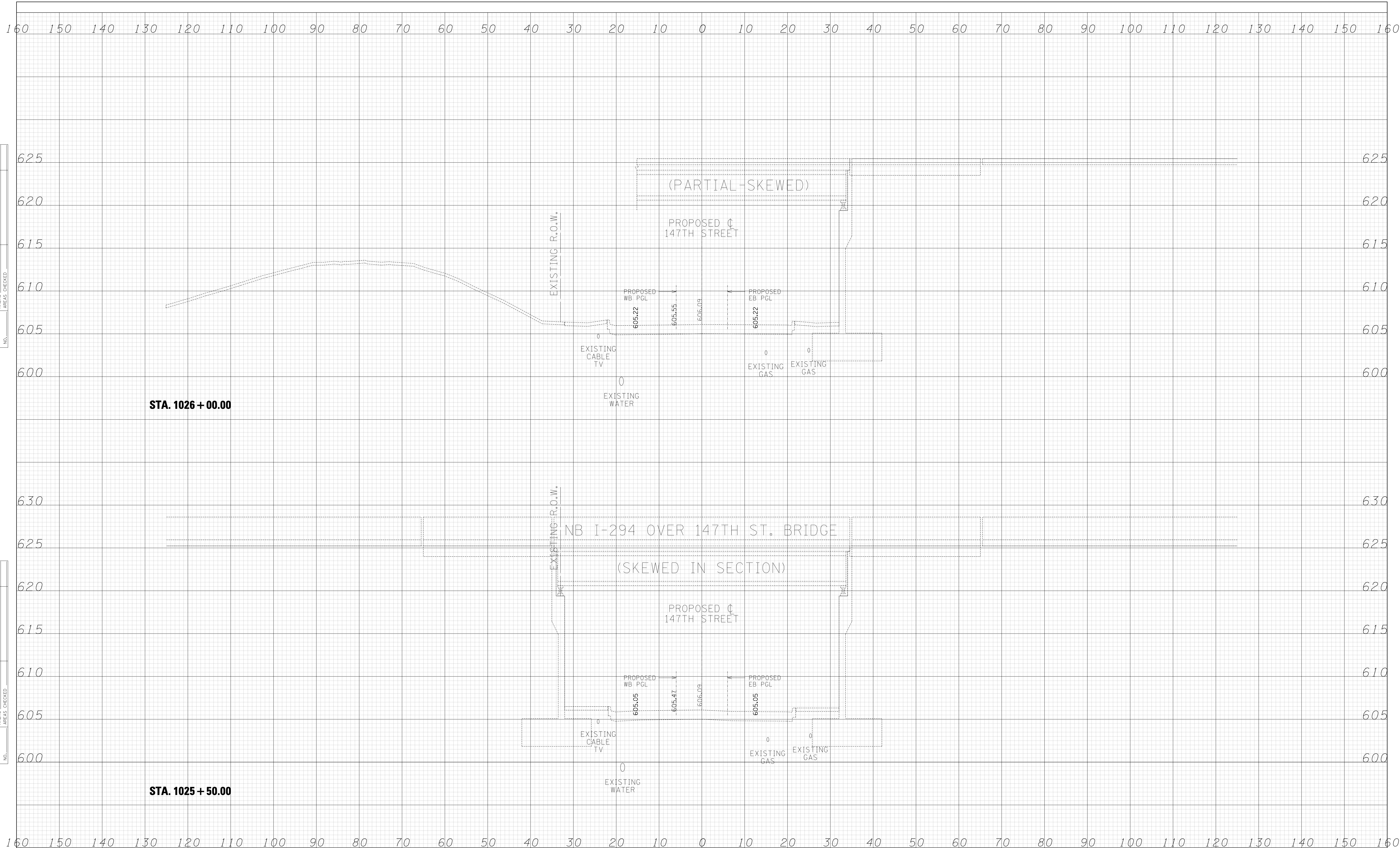
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PLOT SCALE -	DRAWN - JDF	REVISED -
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	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1024+50.00 TO STA. 1025+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	516
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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TYLIN INTERNATIONAL

USER NAME -	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE -	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

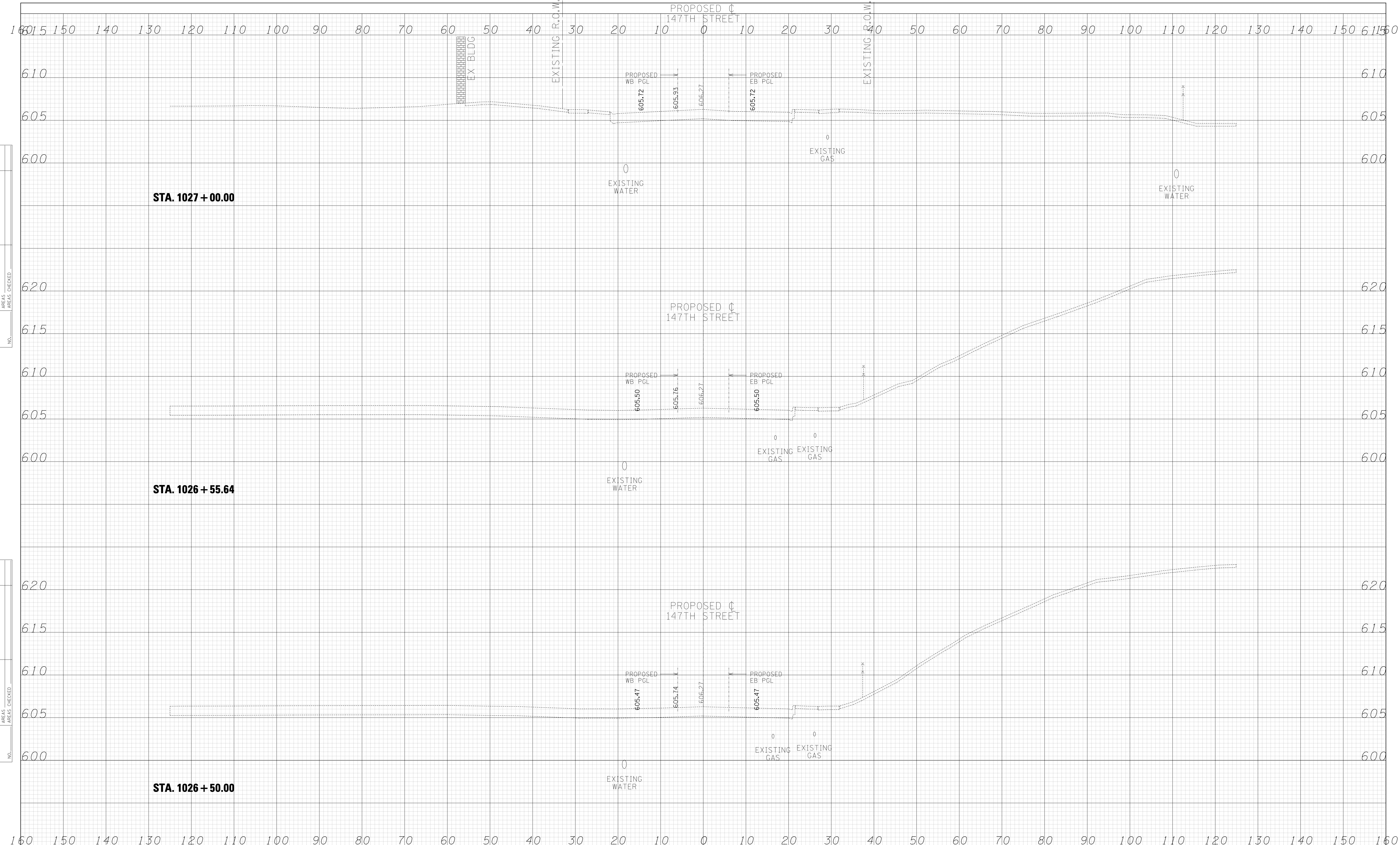
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1025+50.00 TO STA. 1026+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	517
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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	AREAS CHECKED



TYLIN INTERNATIONAL

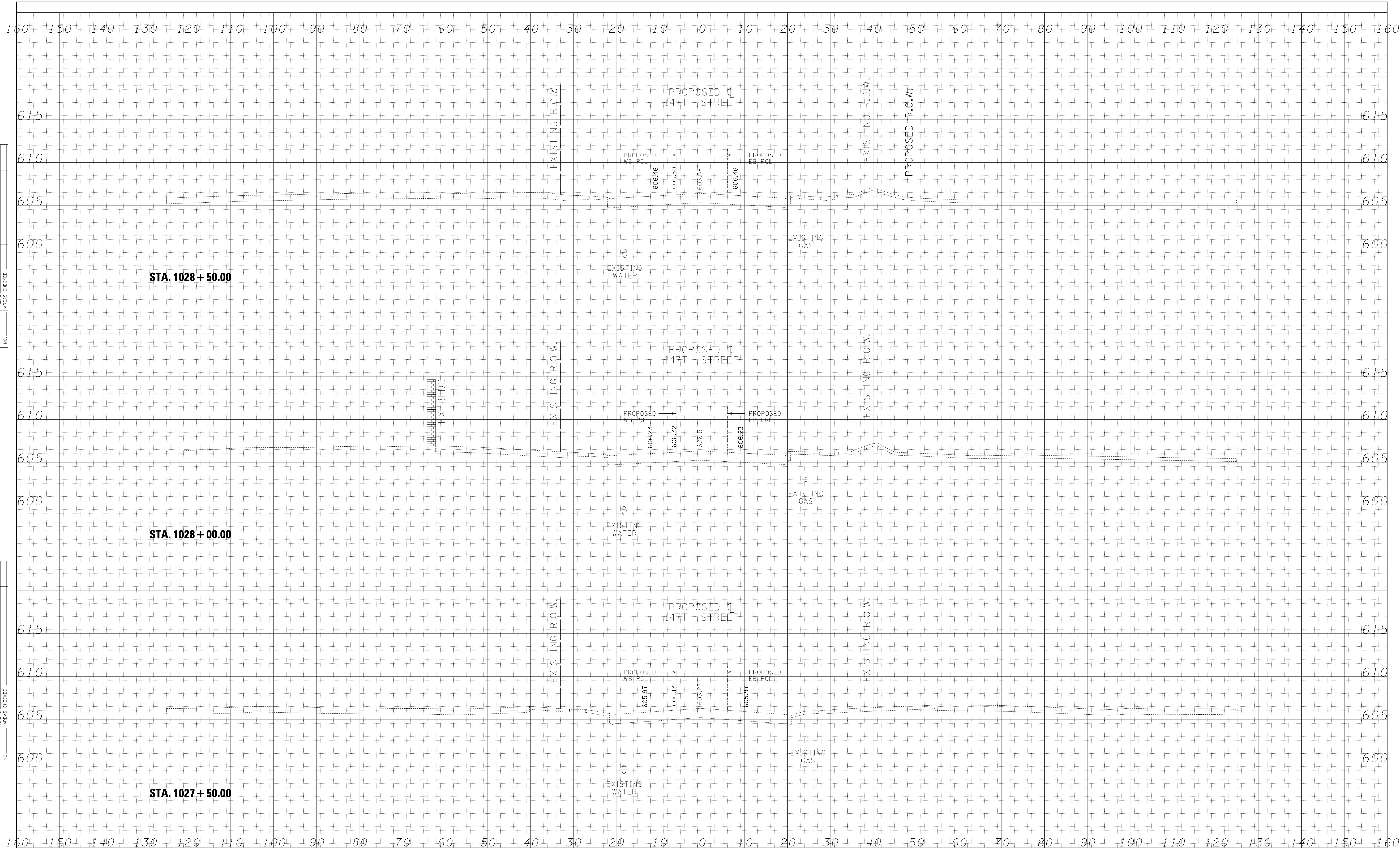
USER NAME -	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE -	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	518
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



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USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

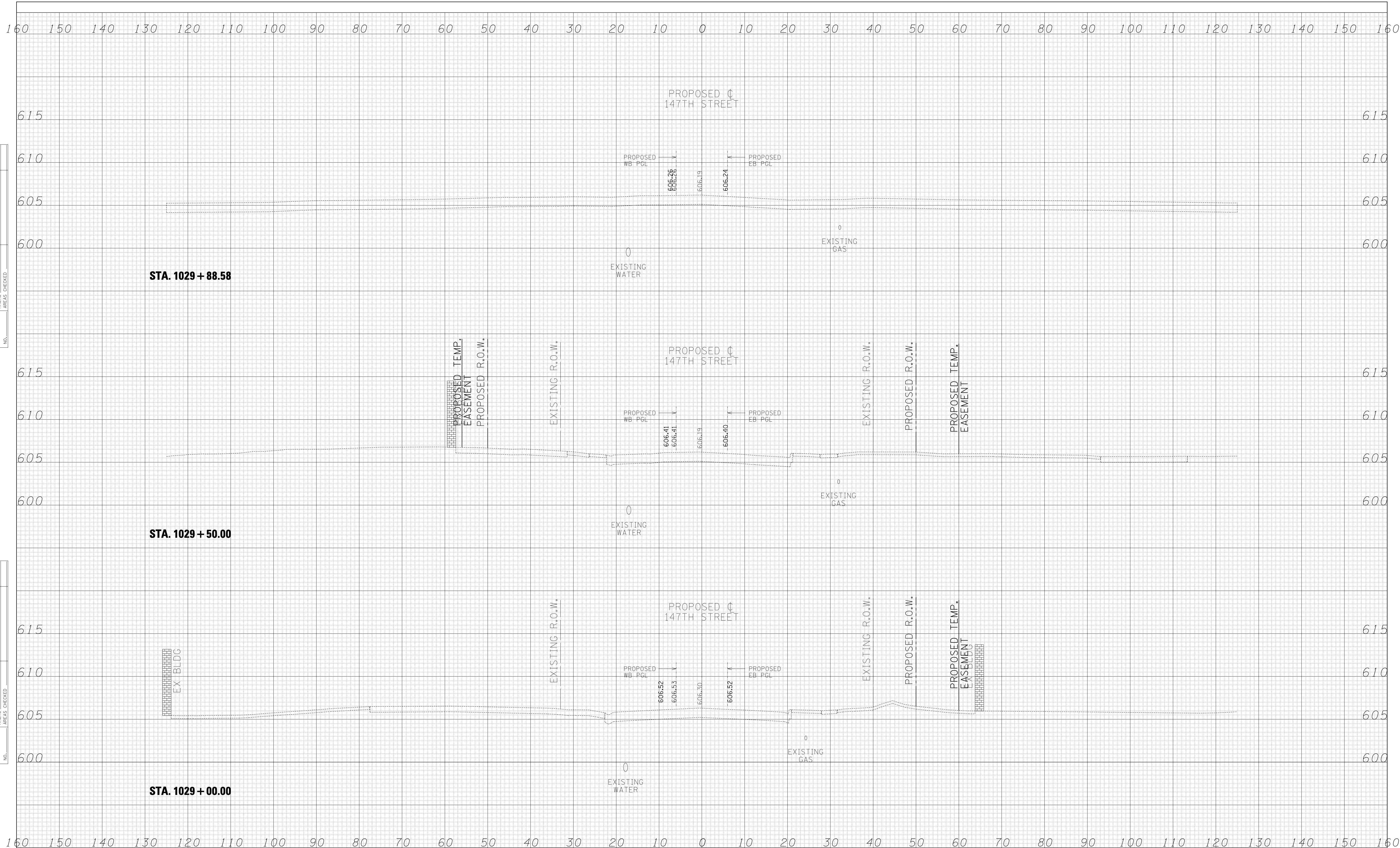
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	519
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1027+50.00 TO STA. 1028+50.00

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TYLIN INTERNATIONAL

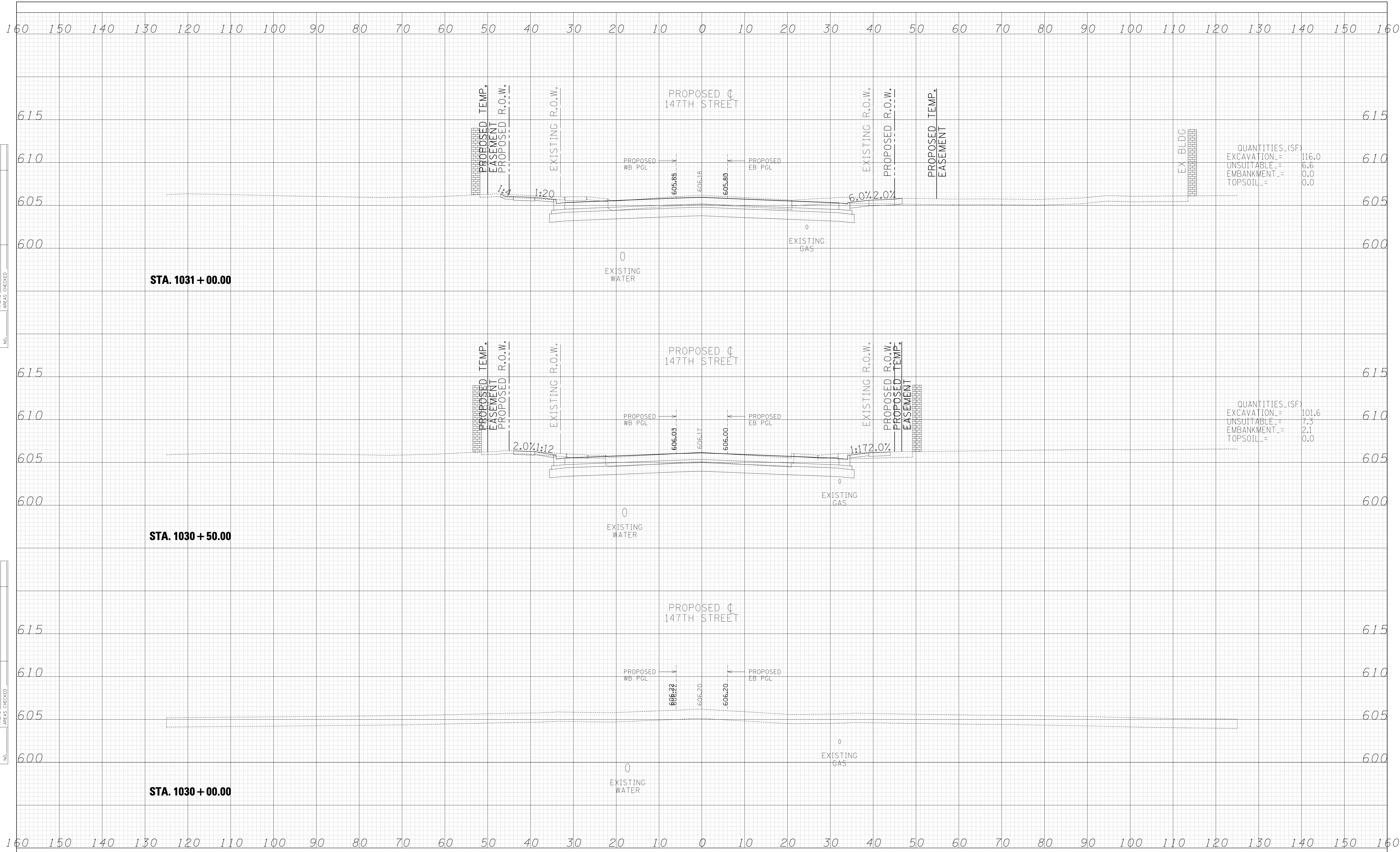
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	DRAWN - JDF	REVISED -
PLOT SCALE -	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1029+00.00 TO STA. 1029+88.58

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	520
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60M57	



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ORIGINAL SURVEY	
NOTE BOOK	
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QUANTITIES (SF)	
EXCAVATION	116.0
UNSUITABLE	6.6
EMBANKMENT	0.0
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	101.6
UNSUITABLE	7.3
EMBANKMENT	2.1
TOPSOIL	0.0

TYLIN INTERNATIONAL

USER NAME	-	DESIGNED	-	JPM	REVISED	-
		DRAWN	-	JDF	REVISED	-
PLOT SCALE	-	CHECKED	-	JPM	REVISED	-
PLOT DATE	-	DATE	-	2/24/2012	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

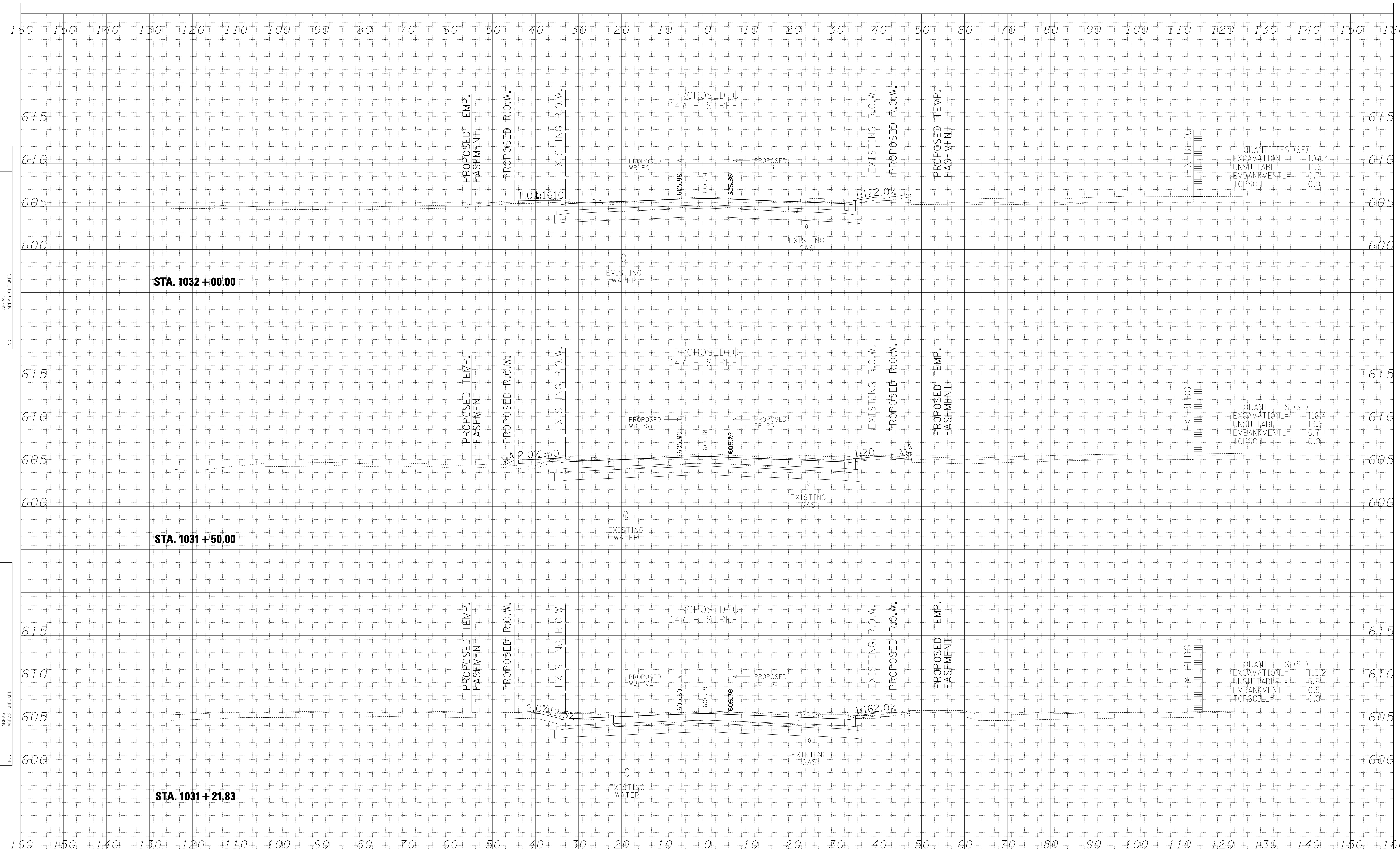
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	521
				CONTRACT NO. 60M57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1030+00.00 TO STA. 1031+00.00

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



QUANTITIES (SF)

EXCAVATION	=	107.3
UNSUITABLE	=	11.6
EMBANKMENT	=	0.7
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	118.4
UNSUITABLE	=	13.5
EMBANKMENT	=	5.7
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	113.2
UNSUITABLE	=	5.6
EMBANKMENT	=	0.9
TOPSOIL	=	0.0

TYLIN INTERNATIONAL

USER NAME	=		DESIGNED	-	JPM	REVISED	-	
			DRAWN	-	JDF	REVISED	-	
PLOT SCALE	=		CHECKED	-	JPM	REVISED	-	
PLOT DATE	=		DATE	-	2/24/2012	REVISED	-	

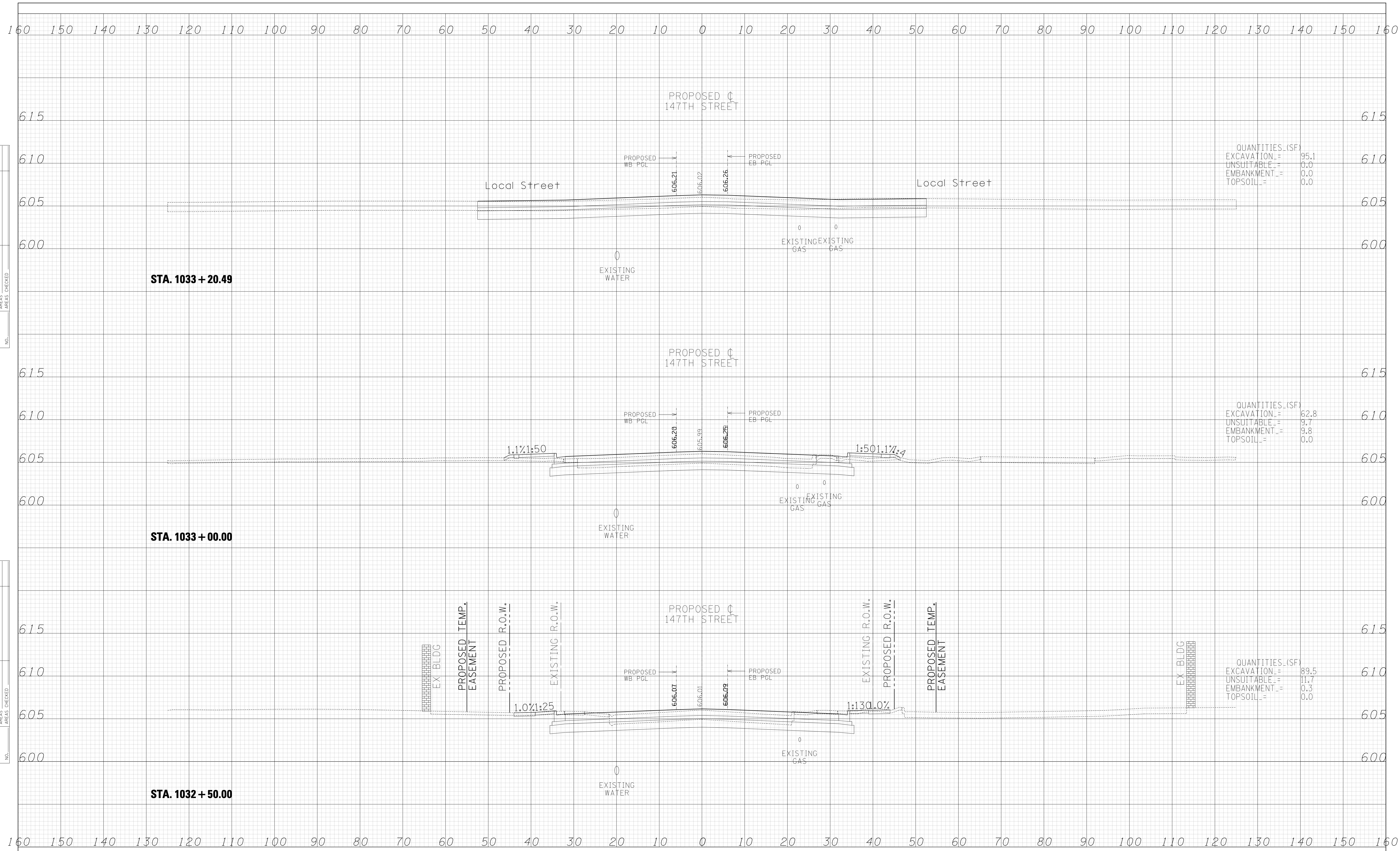
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	522
CONTRACT NO. 60M57				

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1031+21.83 TO STA. 1032+00.00

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QUANTITIES-(SF)

EXCAVATION	=	95.1
UNSUITABLE	=	0.0
EMBANKMENT	=	0.0
TOPSOIL	=	0.0

QUANTITIES-(SF)

EXCAVATION	=	62.8
UNSUITABLE	=	9.7
EMBANKMENT	=	9.8
TOPSOIL	=	0.0

QUANTITIES-(SF)

EXCAVATION	=	89.5
UNSUITABLE	=	11.7
EMBANKMENT	=	0.3
TOPSOIL	=	0.0

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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
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PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

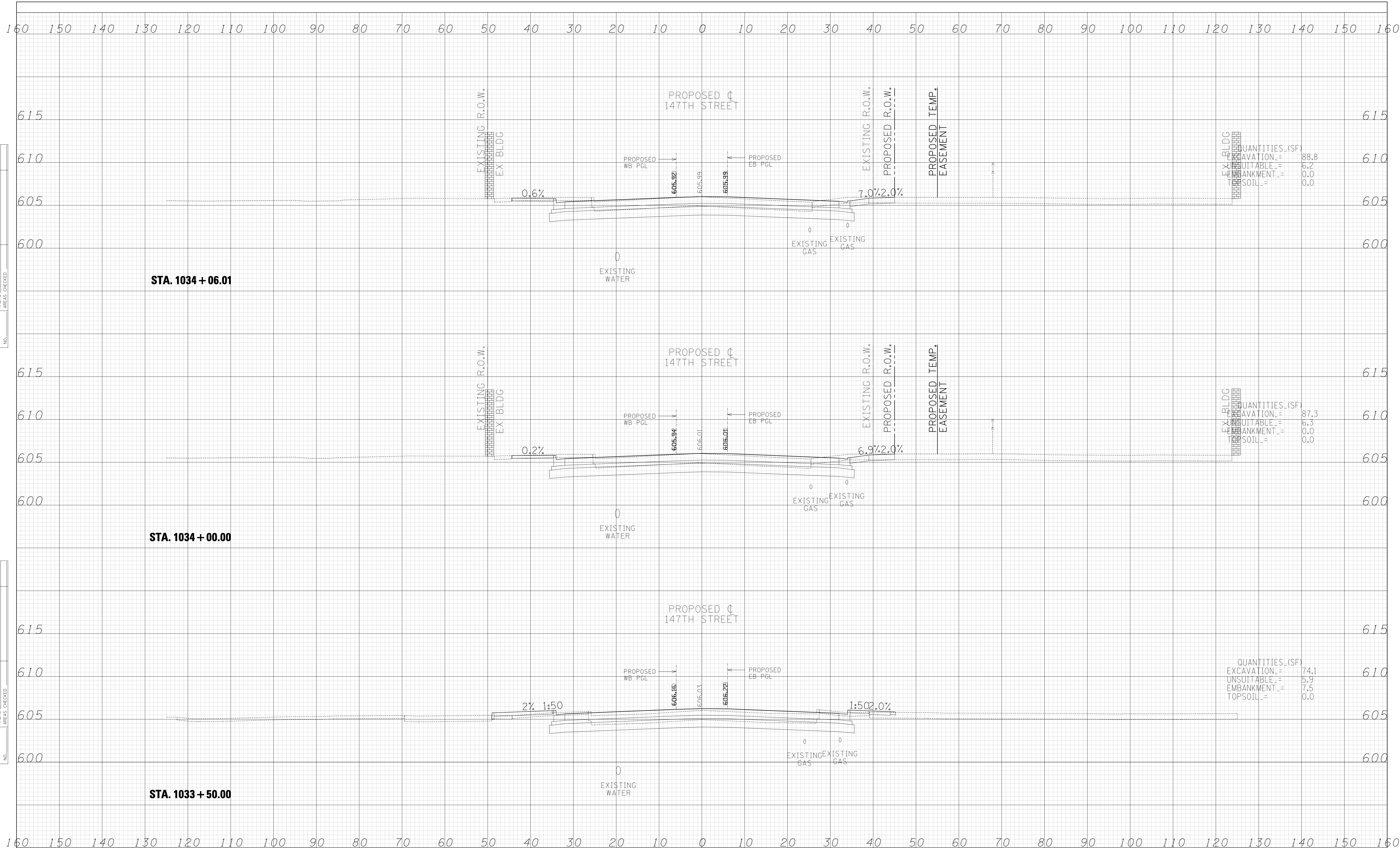
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

SCALE: 1" = 10' V^H

SHEET NO. OF SHEETS STA. 1032+50.00 TO STA. 1033+20.49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	523
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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TYLIN INTERNATIONAL

USER NAME	-	DESIGNED	- JPM	REVISED	-
PLOT SCALE	-	DRAWN	- JDF	REVISED	-
PLOT DATE	-	CHECKED	- JPM	REVISED	-
		DATE	- 2/24/2012	REVISED	-

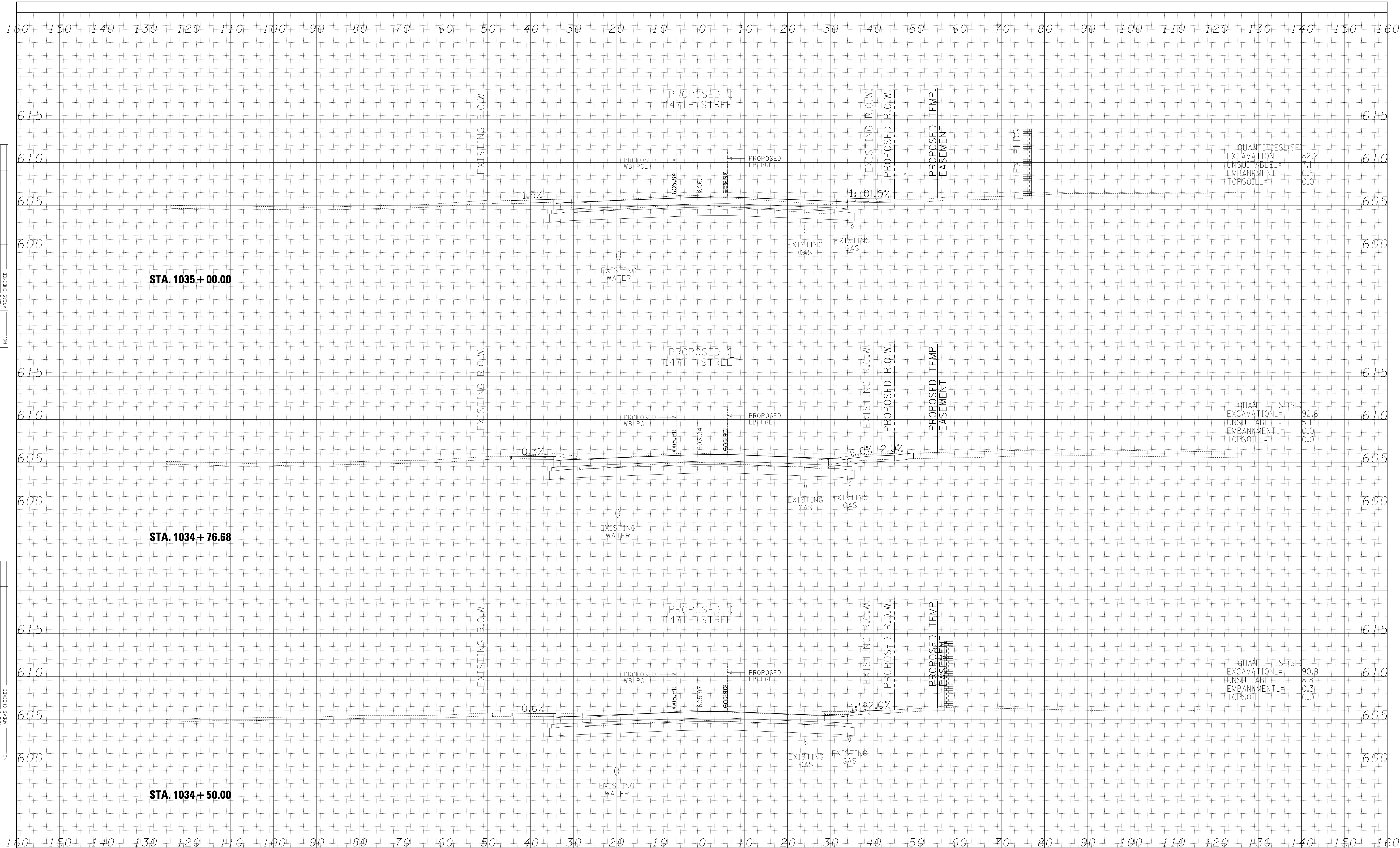
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1033+50.00 TO STA. 1034+06.01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	524
				CONTRACT NO. 60M57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

QUANTITIES (SF)	
EXCAVATION	= 82.2
UNSUITABLE	= 7.1
EMBANKMENT	= 0.5
TOPSOIL	= 0.0

QUANTITIES (SF)	
EXCAVATION	= 92.6
UNSUITABLE	= 5.1
EMBANKMENT	= 0.0
TOPSOIL	= 0.0

QUANTITIES (SF)	
EXCAVATION	= 90.9
UNSUITABLE	= 8.8
EMBANKMENT	= 0.3
TOPSOIL	= 0.0

TYLIN INTERNATIONAL

USER NAME =
DESIGNED - JPM
DRAWN - JDF
PLOT SCALE =
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PLOT DATE =
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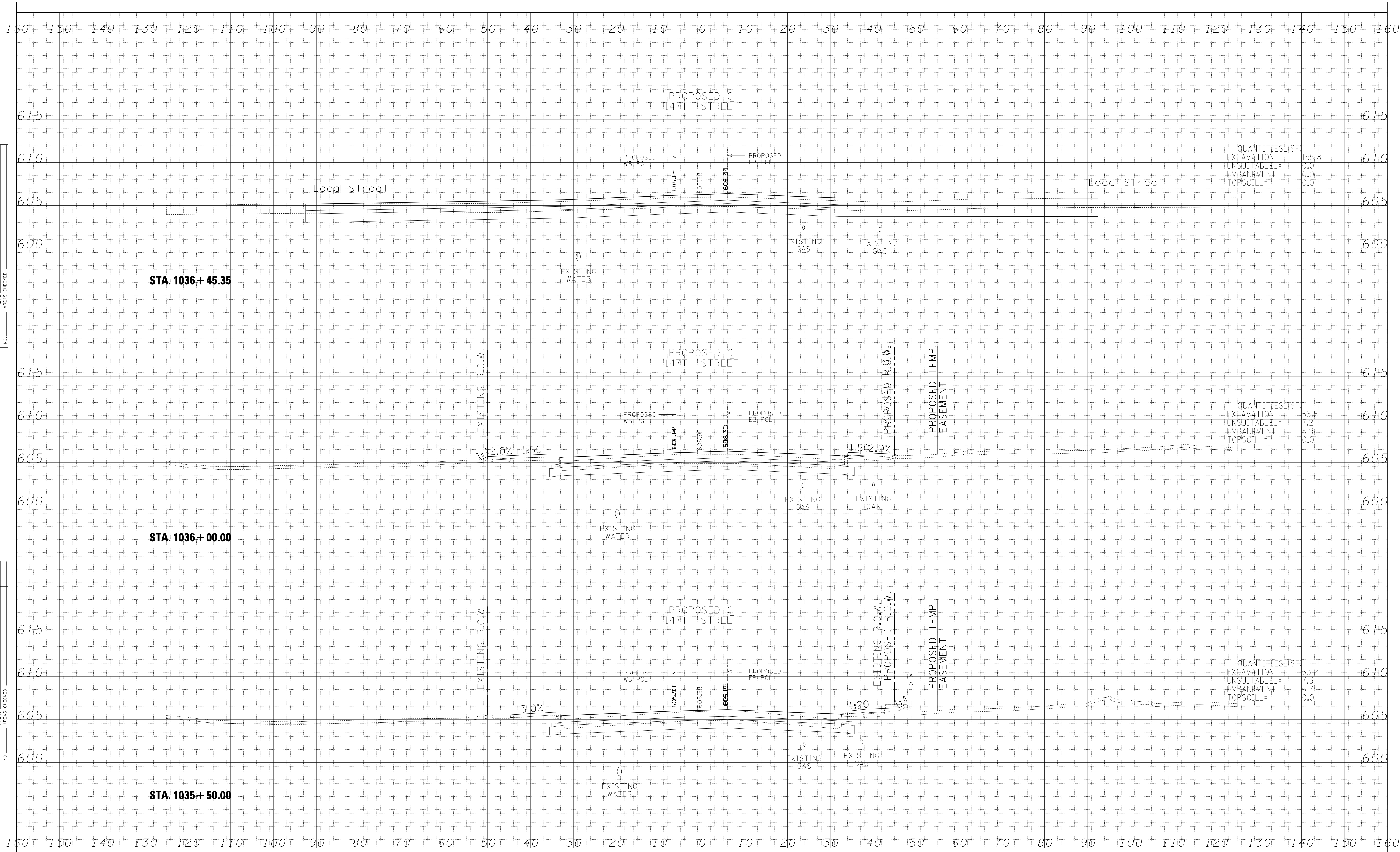
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	525
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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SCALE: 1/4" = 10' V^H SHEET NO. OF SHEETS STA. 1034+50.00 TO STA. 1035+00.00



QUANTITIES - (SF)

EXCAVATION	=	155.8
UNSUITABLE	=	0.0
EMBANKMENT	=	0.0
TOPSOIL	=	0.0

QUANTITIES - (SF)

EXCAVATION	=	55.5
UNSUITABLE	=	7.2
EMBANKMENT	=	8.9
TOPSOIL	=	0.0

QUANTITIES - (SF)

EXCAVATION	=	63.2
UNSUITABLE	=	7.3
EMBANKMENT	=	5.7
TOPSOIL	=	0.0

DATE	
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TYLIN INTERNATIONAL

USER NAME	=		DESIGNED	-	JPM	REVISED	-	
DESIGNED	-	JPM	DRAWN	-	JDF	REVISED	-	
DRAWN	-	JDF	CHECKED	-	JPM	REVISED	-	
CHECKED	-	JPM	DATE	-	2/24/2012	REVISED	-	
DATE	-	2/24/2012						

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

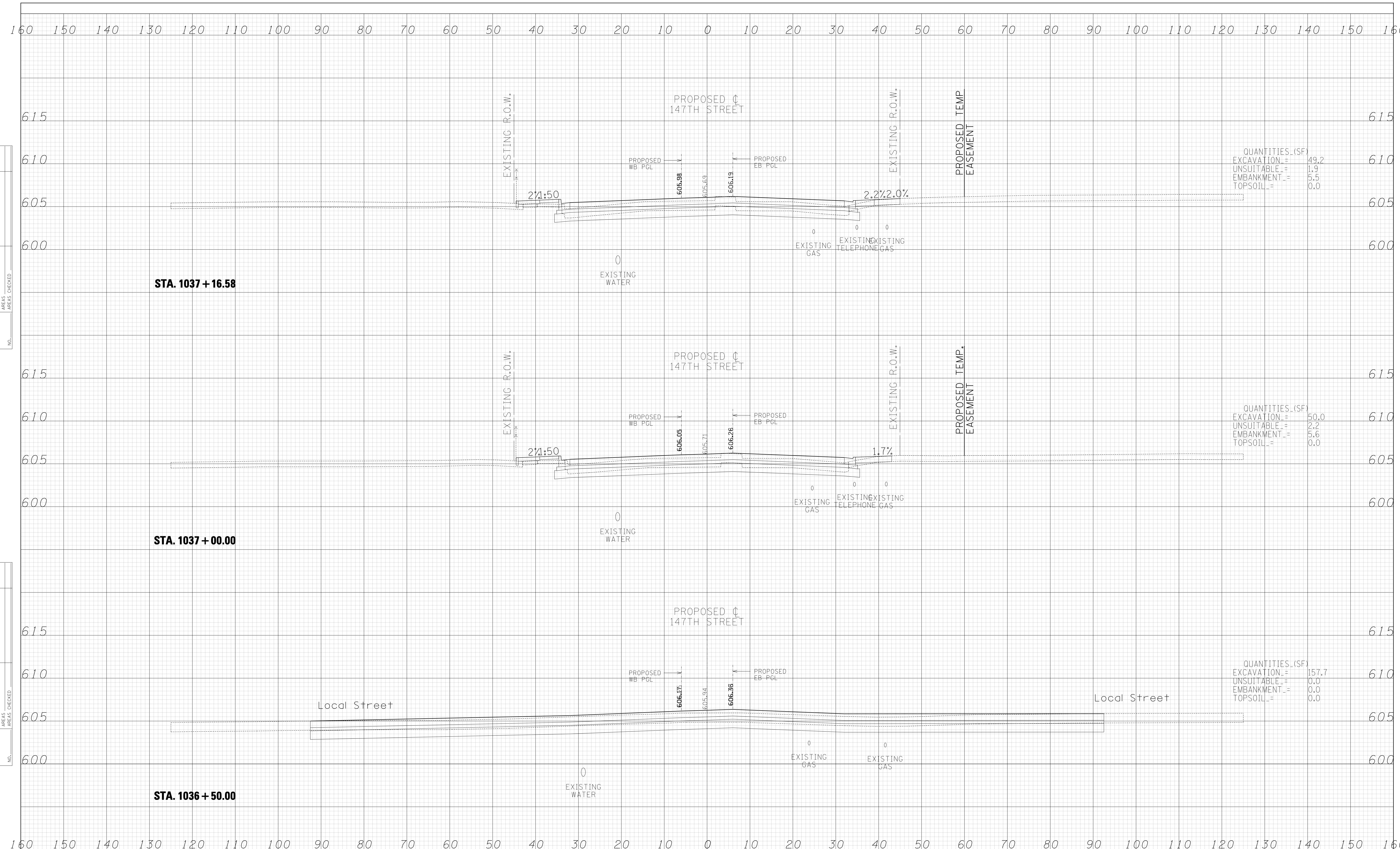
SHEET NO. OF SHEETS STA. 1035+50.00 TO STA. 1036+45.35

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	526
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	SURVEYED
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ORIGINAL SURVEY	SURVEYED
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QUANTITIES (SF)

EXCAVATION	=	49.2
UNSUITABLE	=	1.9
EMBANKMENT	=	5.5
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	50.0
UNSUITABLE	=	2.2
EMBANKMENT	=	5.6
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	157.7
UNSUITABLE	=	0.0
EMBANKMENT	=	0.0
TOPSOIL	=	0.0

TYLIN INTERNATIONAL

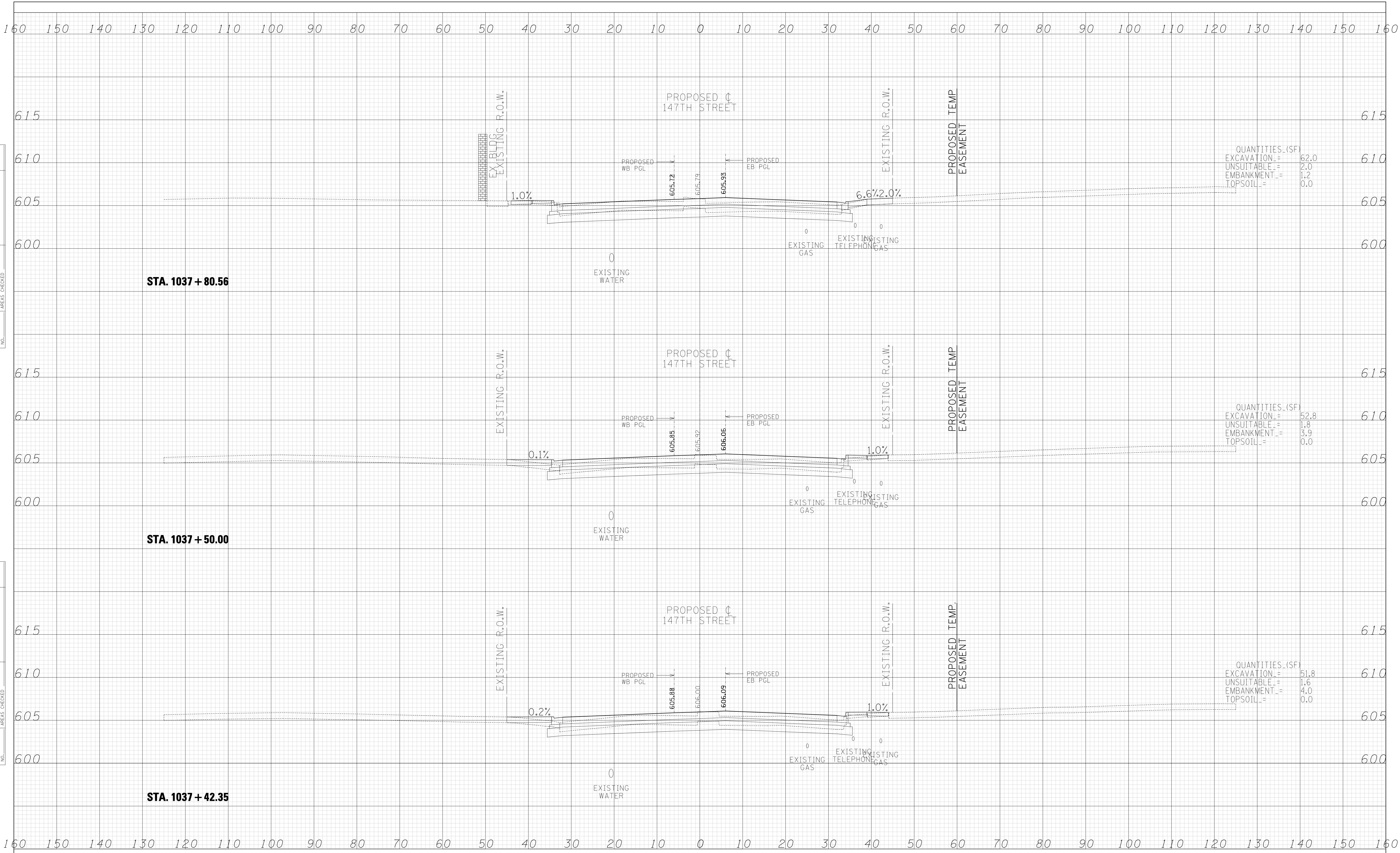
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	527
CONTRACT NO. 60M57				

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1036+50.00 TO STA. 1037+16.58



QUANTITIES-(SF)

EXCAVATION	=	62.0
UNSUITABLE	=	2.0
EMBANKMENT	=	1.2
TOPSOIL	=	0.0

QUANTITIES-(SF)

EXCAVATION	=	52.8
UNSUITABLE	=	1.8
EMBANKMENT	=	3.9
TOPSOIL	=	0.0

QUANTITIES-(SF)

EXCAVATION	=	51.8
UNSUITABLE	=	1.6
EMBANKMENT	=	4.0
TOPSOIL	=	0.0

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SURVEYED	PLOTTED
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FINAL SURVEY NO.

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ORIGINAL SURVEY NO.

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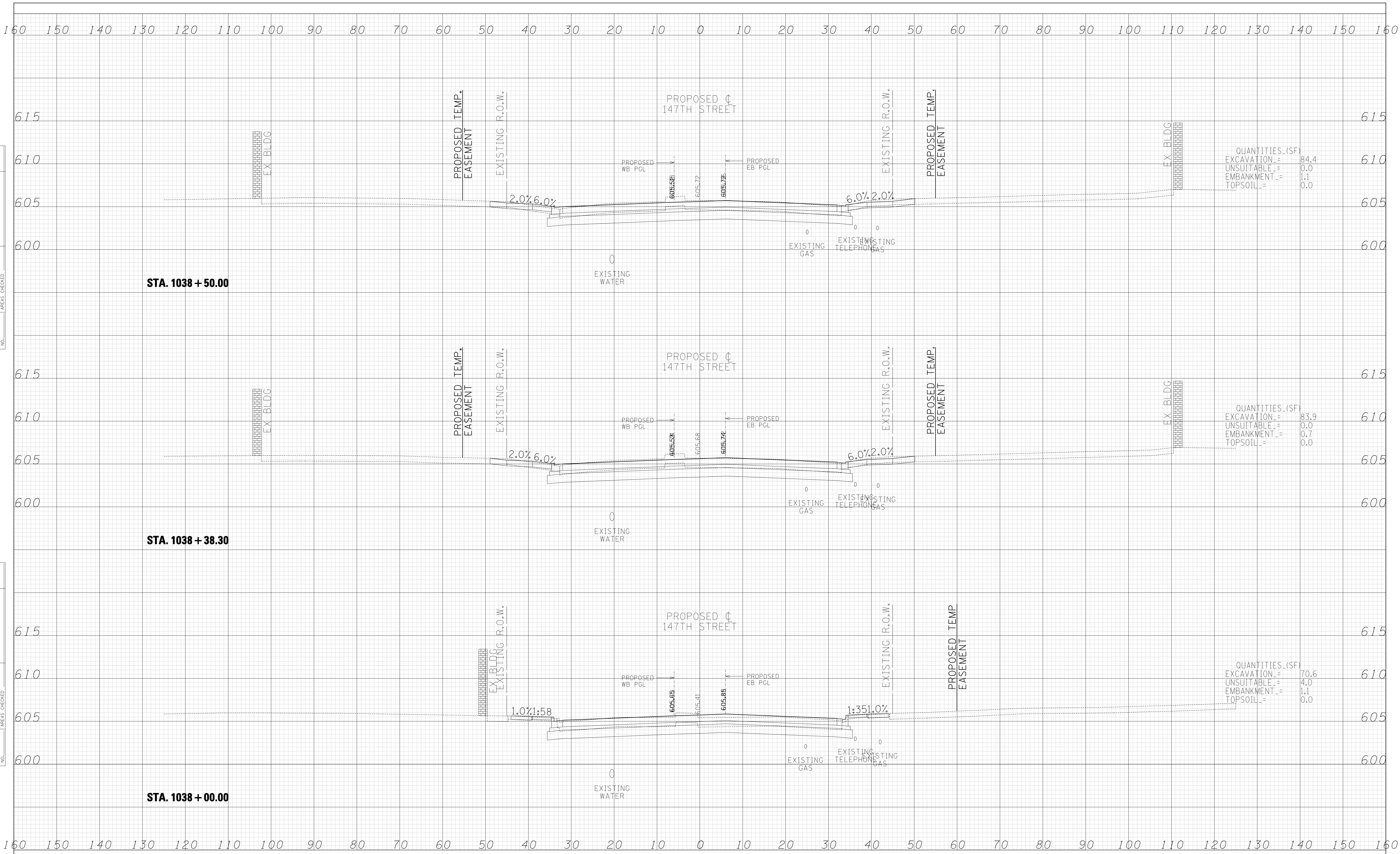
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PLOT SCALE =	DRAWN - JDF	REVISED -
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	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	528
			CONTRACT NO. 60M57	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1" = 30' V^H SHEET NO. OF SHEETS STA. 1037+42.35 TO STA. 1037+80.56



DATE	BY

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED

DATE	BY

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED

QUANTITIES (SF)	
EXCAVATION	84.4
UNSUITABLE	0.0
EMBANKMENT	1.1
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	83.9
UNSUITABLE	0.0
EMBANKMENT	0.7
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	70.6
UNSUITABLE	4.0
EMBANKMENT	1.1
TOPSOIL	0.0

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USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

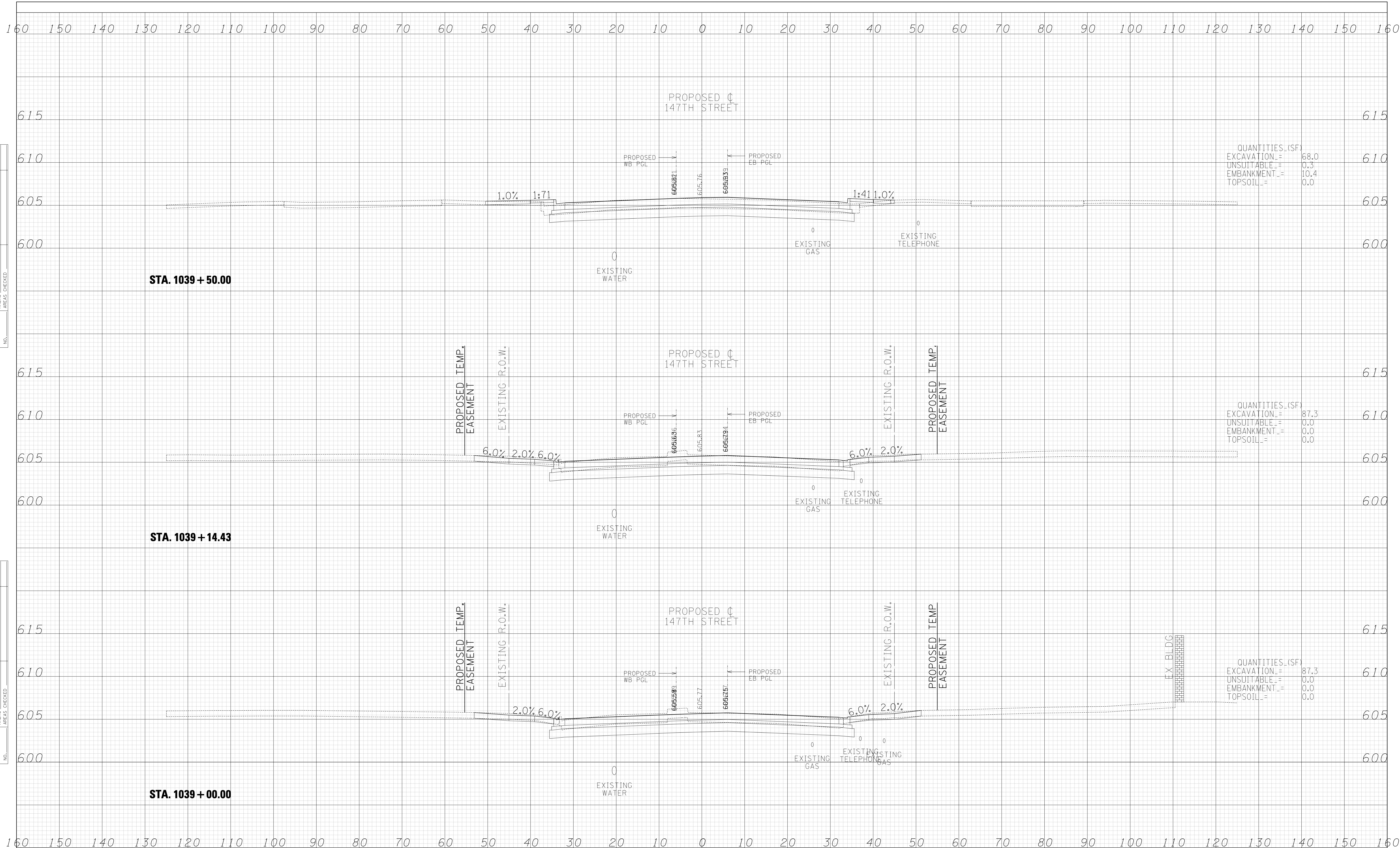
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

SCALE: 1/4" = 10' V^H SHEET NO. OF SHEETS STA. 1038+00.00 TO STA. 1038+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	529
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

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ORIGINAL SURVEY	
NOTE BOOK	
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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

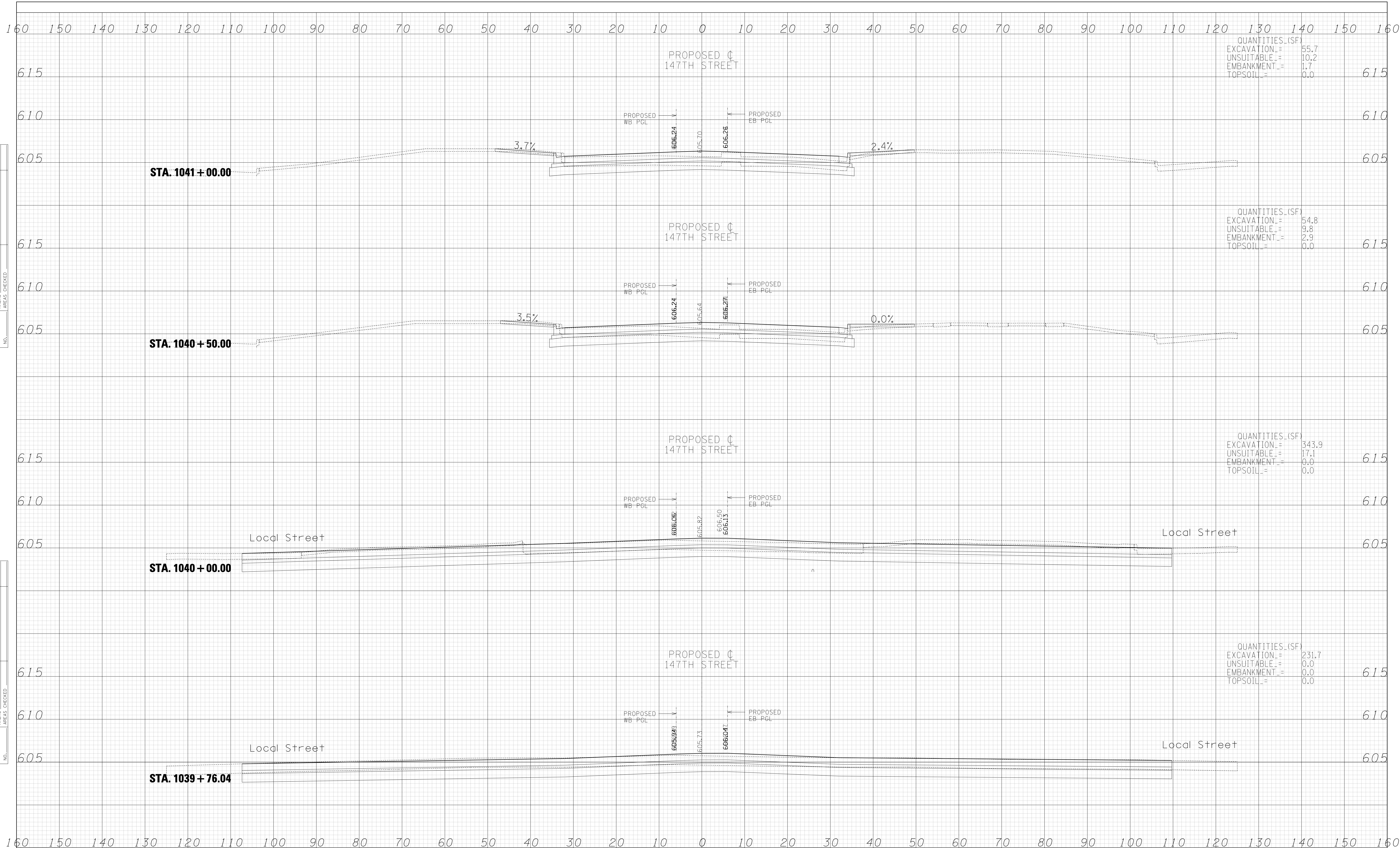
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

SCALE: 1" = 10' V^H

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	530
CONTRACT NO. 60M57				

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FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

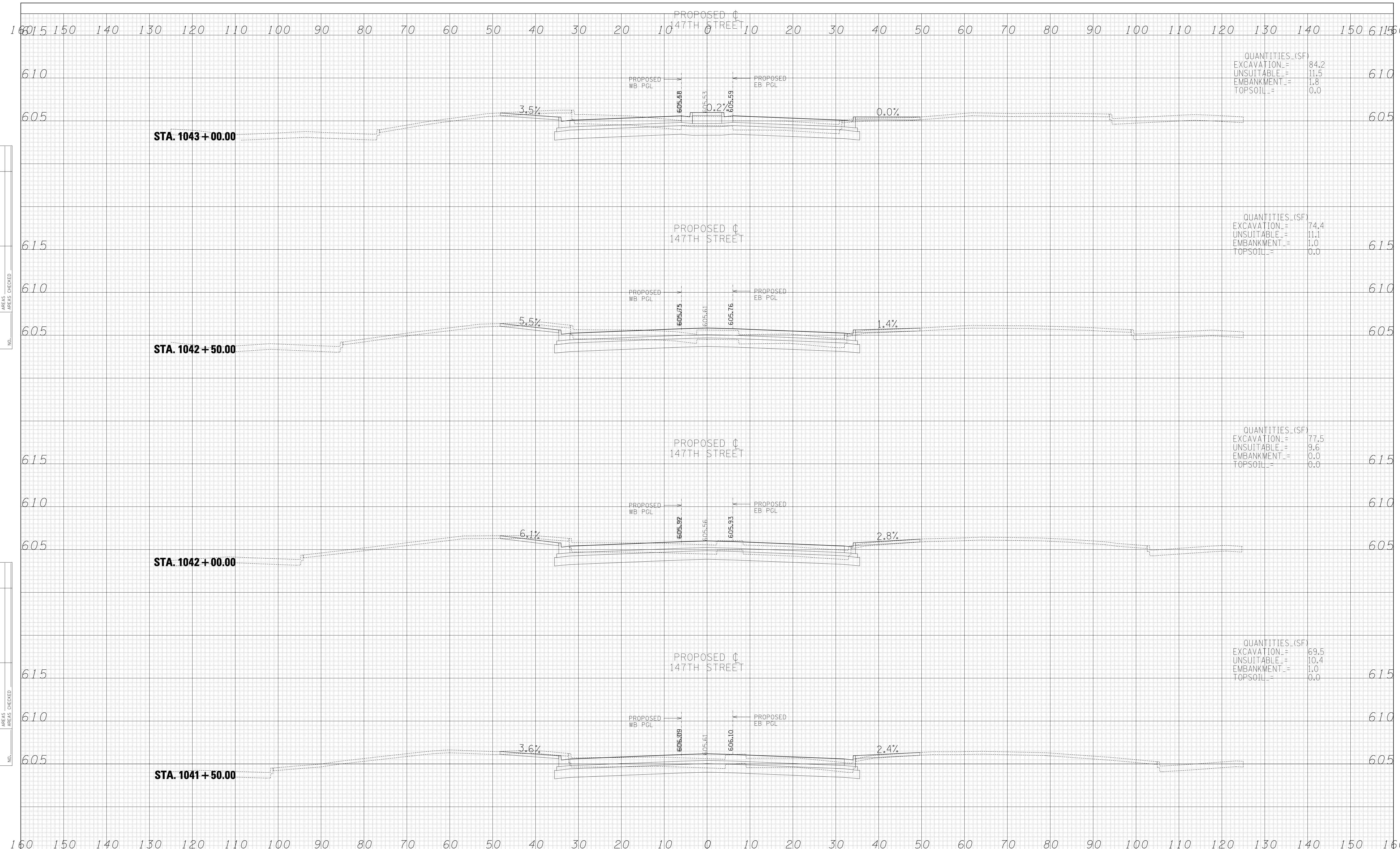
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1039+76.04 TO STA. 1041+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	531
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60M57	

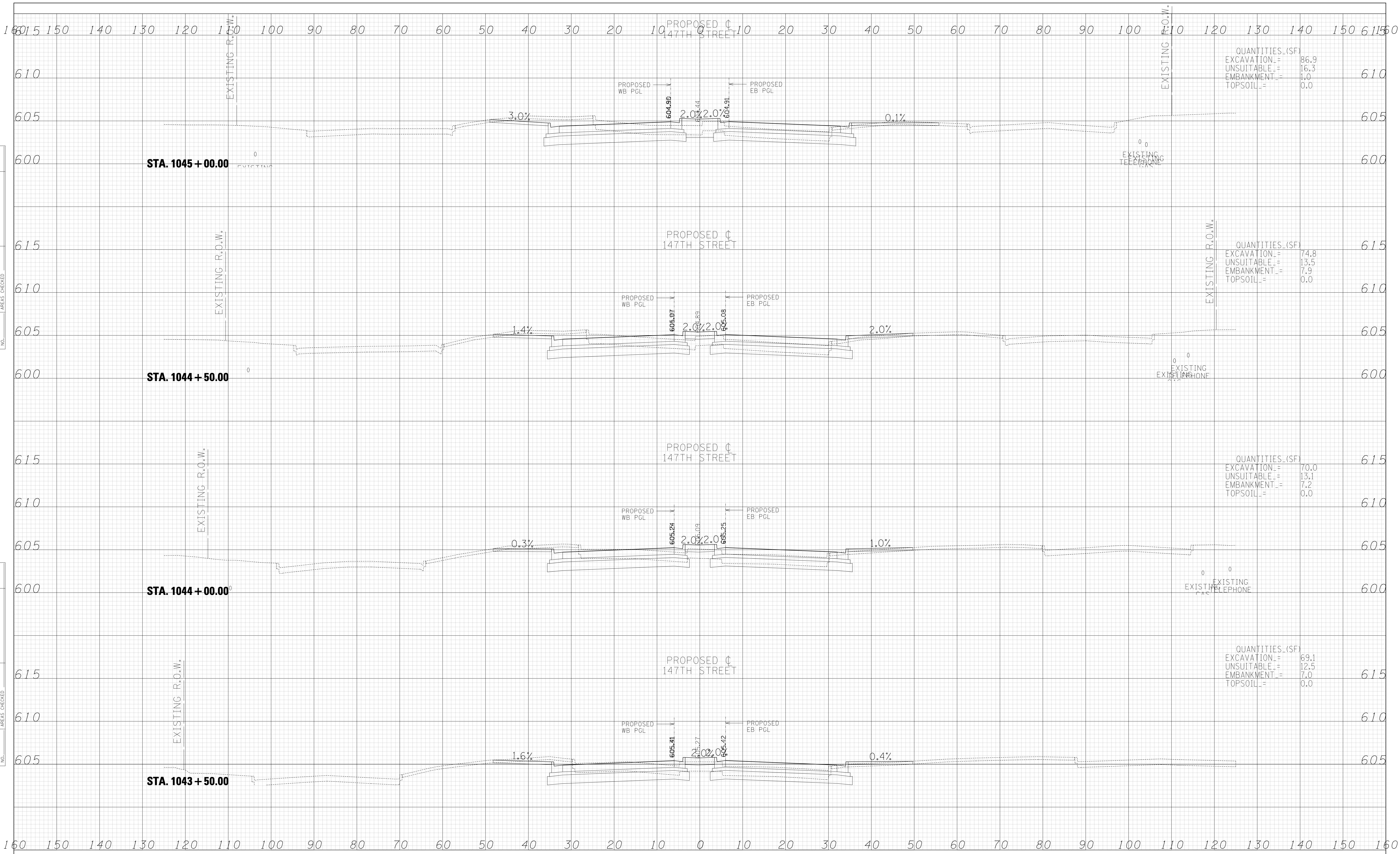
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED



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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



QUANTITIES (SF)	
EXCAVATION	86.9
UNSUITABLE	16.3
EMBANKMENT	1.0
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	74.8
UNSUITABLE	13.5
EMBANKMENT	7.9
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	70.0
UNSUITABLE	13.1
EMBANKMENT	7.2
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	69.1
UNSUITABLE	12.5
EMBANKMENT	7.0
TOPSOIL	0.0

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 2/24/2012	REVISED -

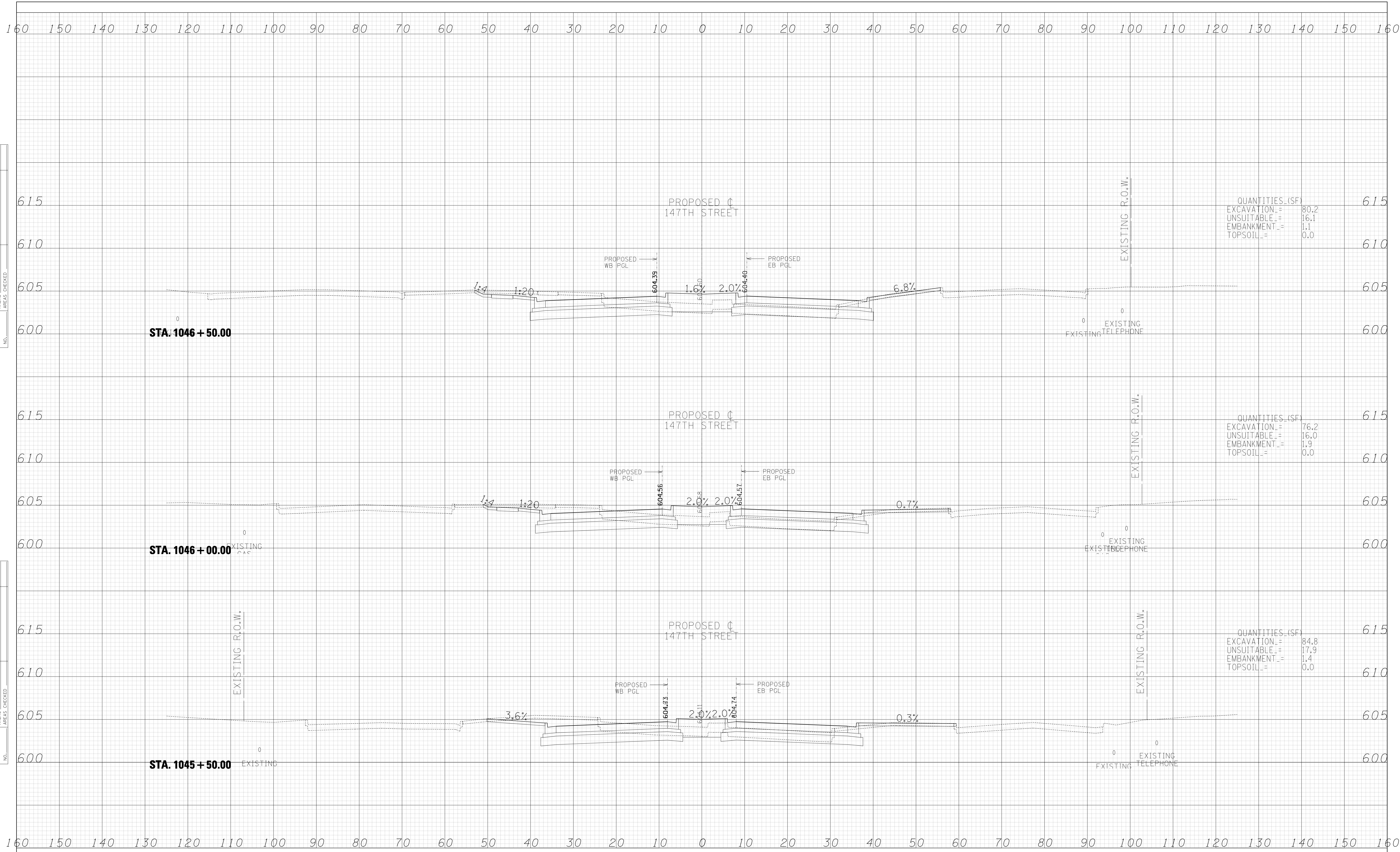
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	533
CONTRACT NO. 60M57				

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 1043+50.00 TO STA. 1045+00.00

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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

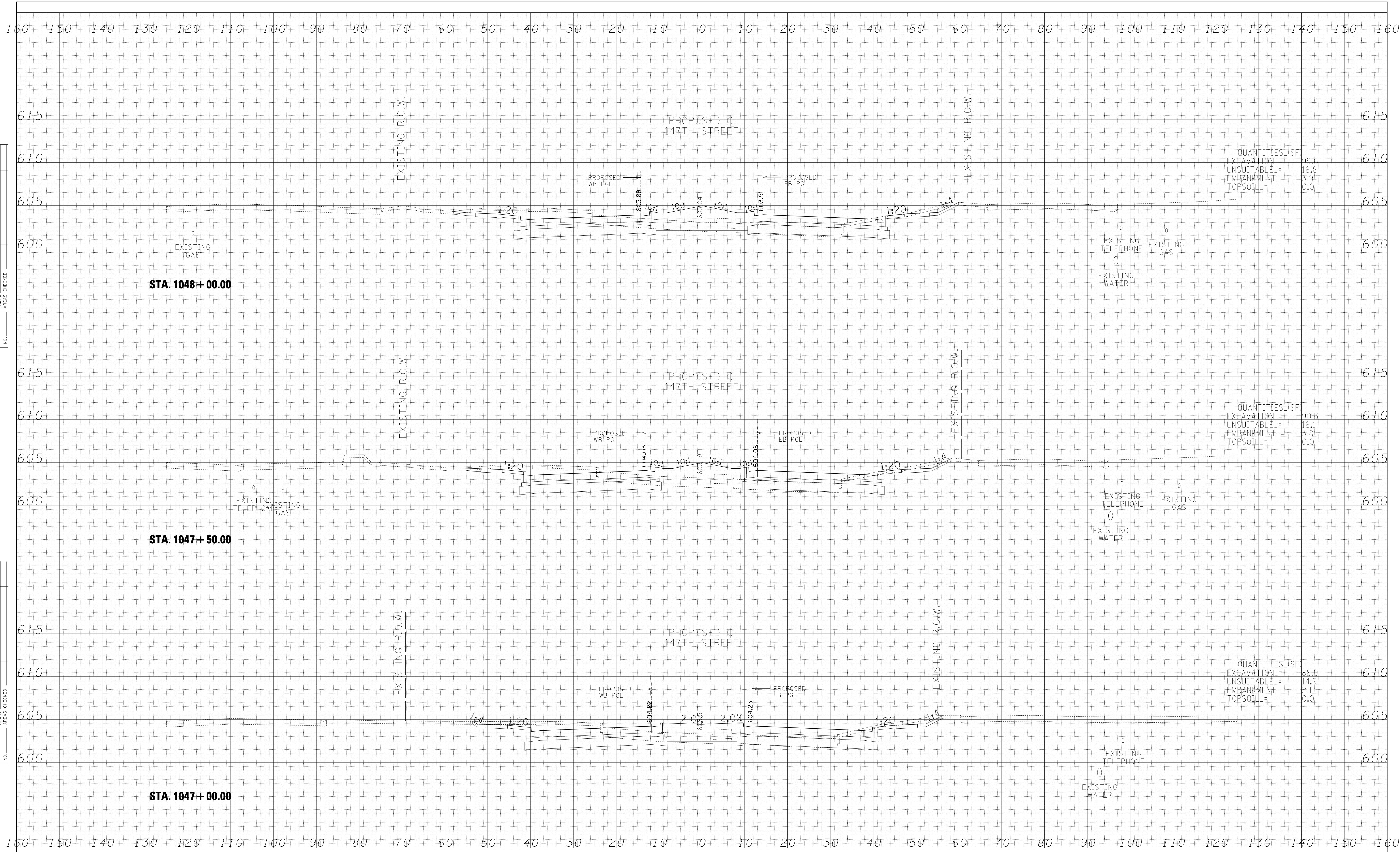
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1045+50.00 TO STA. 1046+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	534
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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USER NAME	=		DESIGNED	-	JPM	REVISED	-	
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PLOT DATE			DATE	-	2/24/2012	REVISED	-	

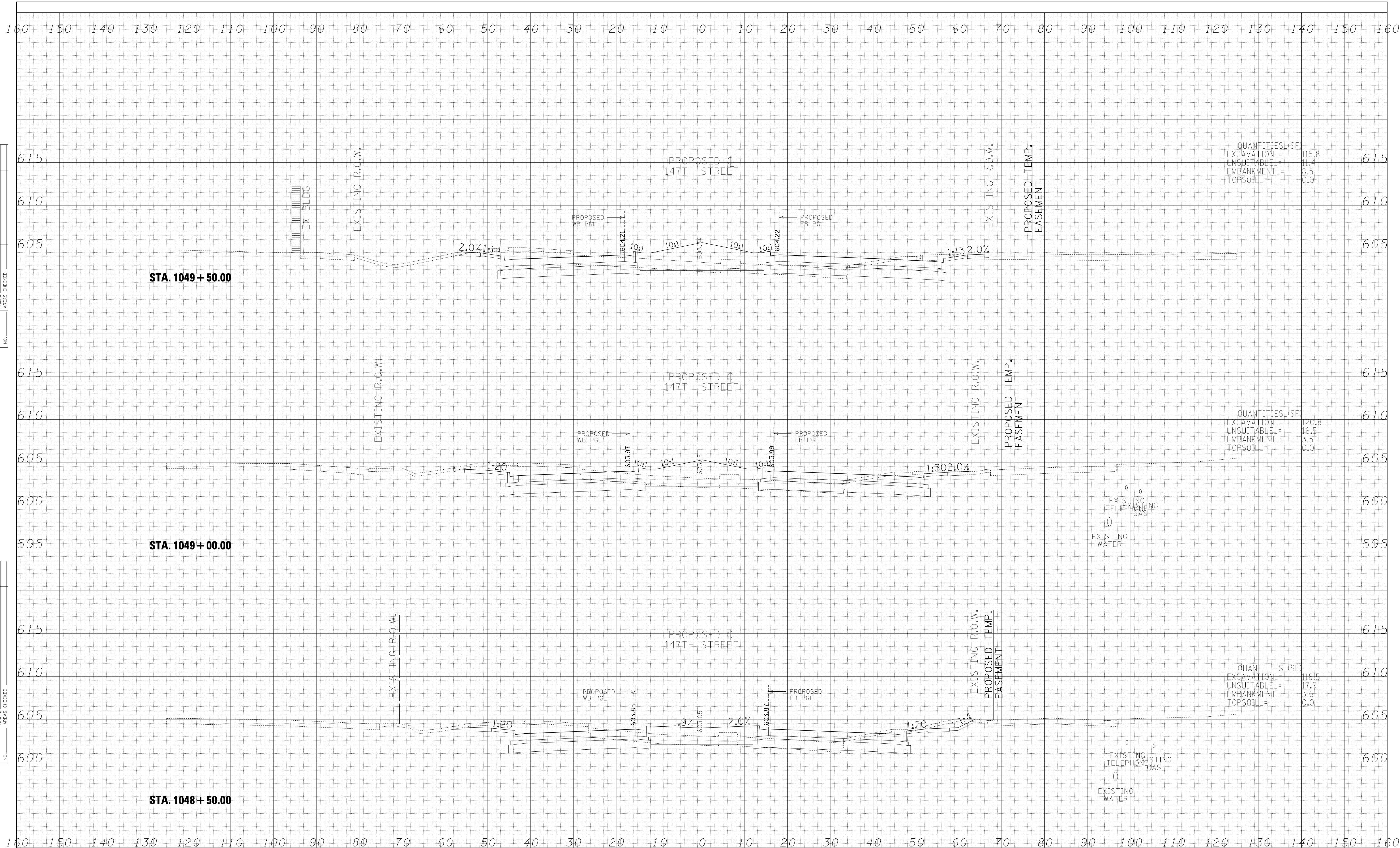
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	535
CONTRACT NO. 60M57				

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1047+00.00 TO STA. 1048+00.00

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QUANTITIES - (SF)

EXCAVATION	=	115.8
UNSUITABLE	=	11.4
EMBANKMENT	=	8.5
TOPSOIL	=	0.0

QUANTITIES - (SF)

EXCAVATION	=	120.8
UNSUITABLE	=	16.5
EMBANKMENT	=	3.5
TOPSOIL	=	0.0

QUANTITIES - (SF)

EXCAVATION	=	118.5
UNSUITABLE	=	17.9
EMBANKMENT	=	3.6
TOPSOIL	=	0.0

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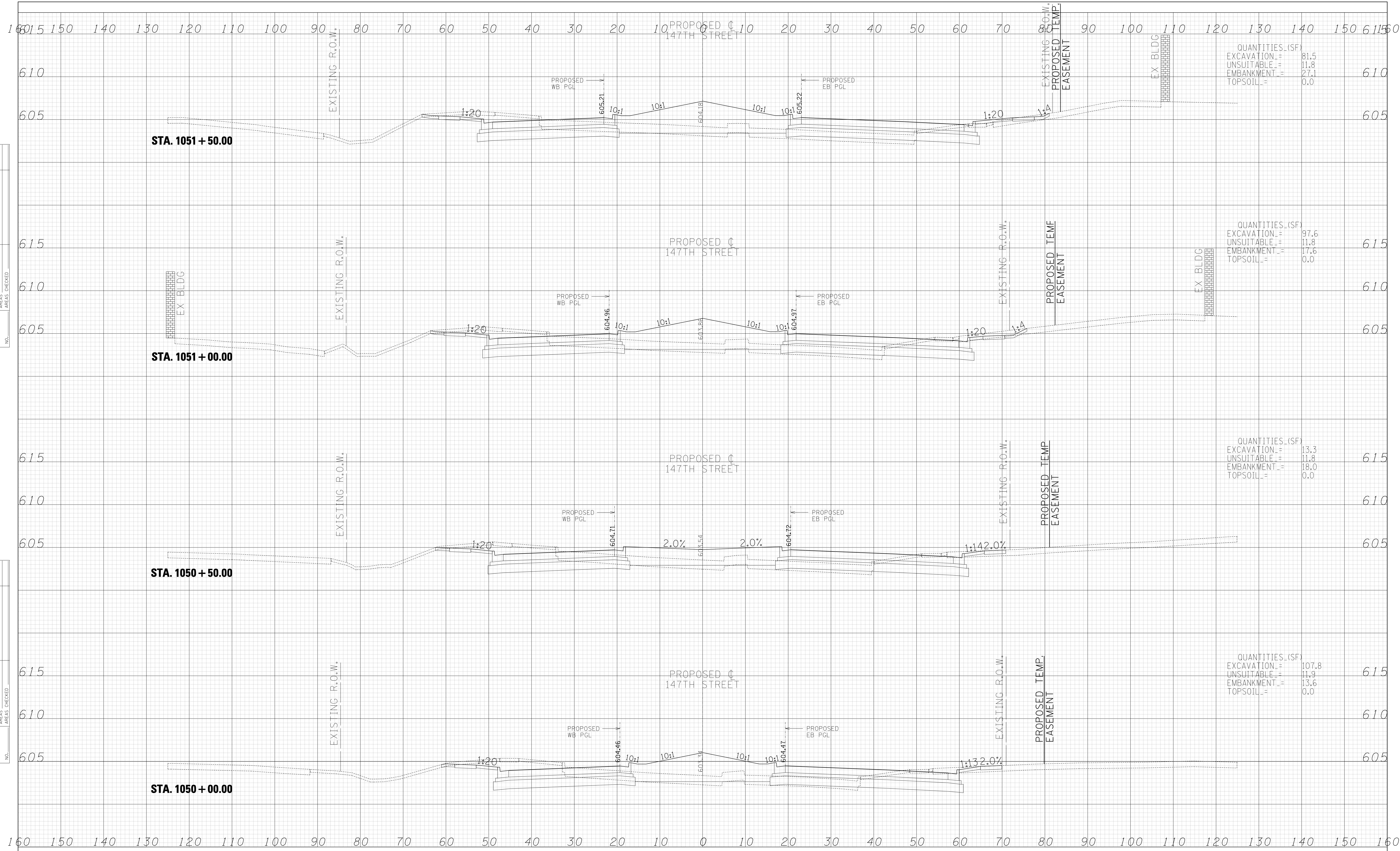
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	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	536
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 1048+50.00 TO STA. 1049+50.00



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FINAL SURVEY NO.	SURVEYED PLOTTED	NOTED AREAS CHECKED

DATE	BY

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	NOTED AREAS CHECKED

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USER NAME	DESIGNED - JPM	REVISED -
PLOT SCALE	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

SCALE: 1" = 10' V	SHEET NO. OF SHEETS	STA. 1050+00.00 TO STA. 1051+50.00
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	537

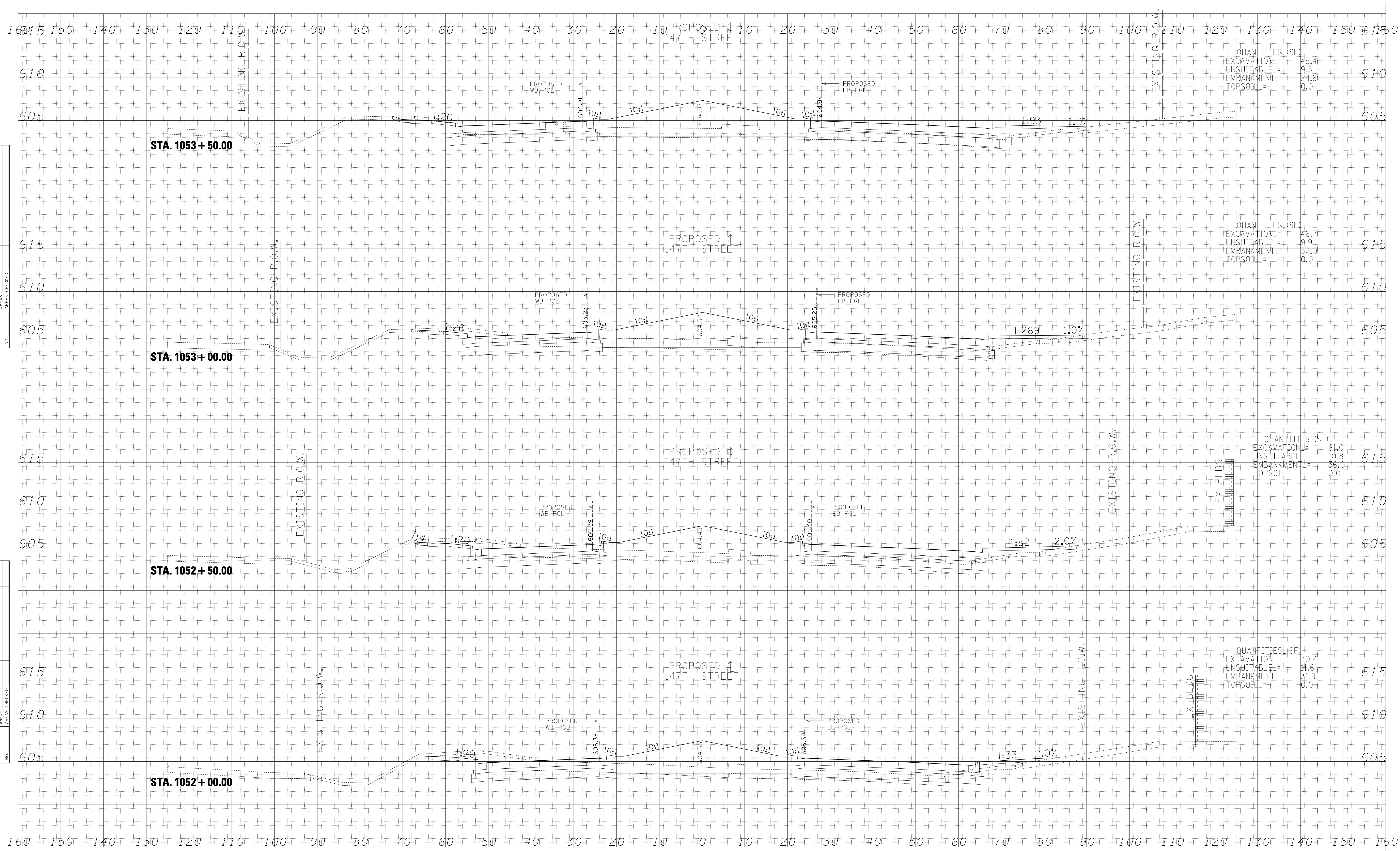
CONTRACT NO. 60M57

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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TYLIN INTERNATIONAL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

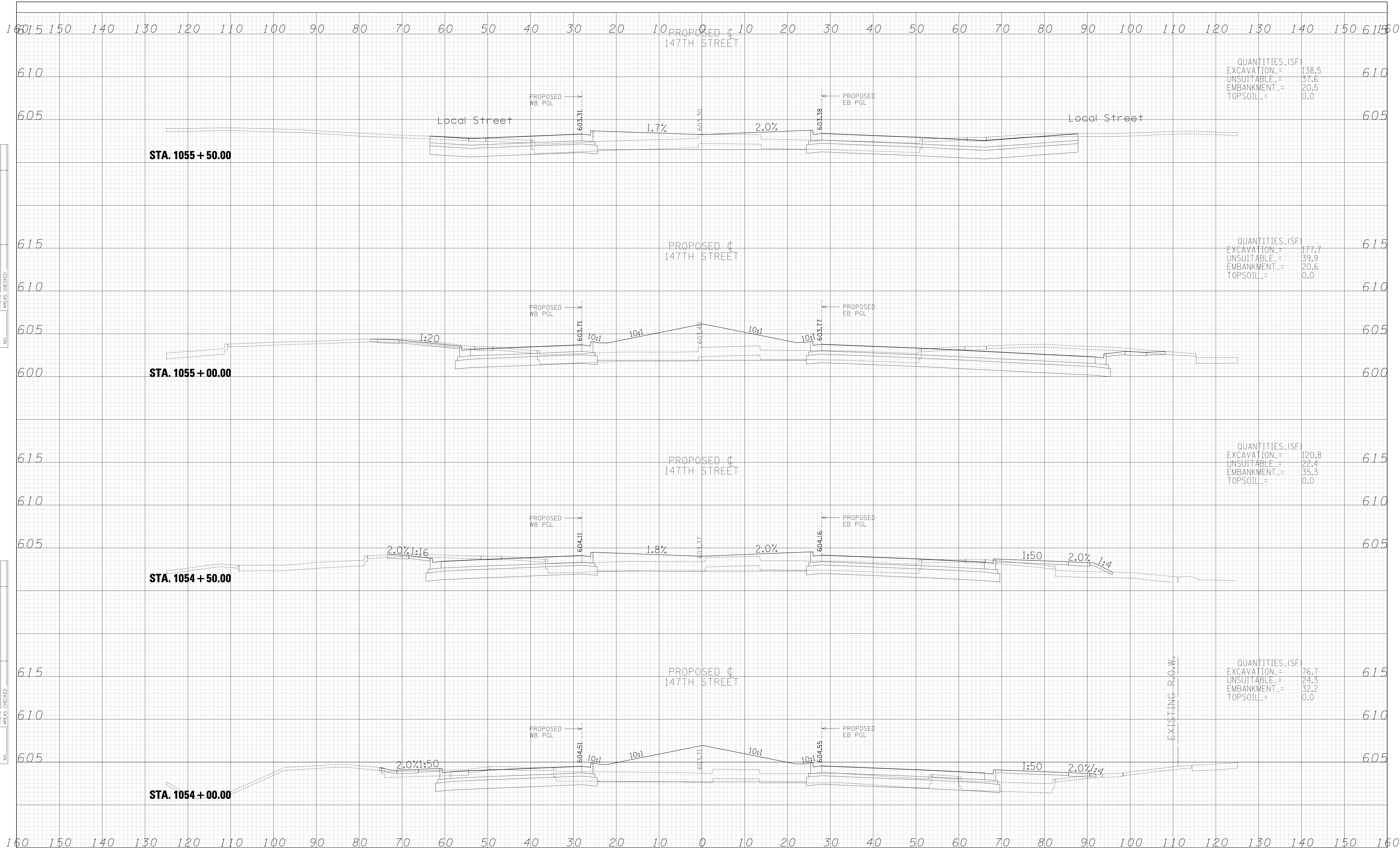
SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 1052+00.00 TO STA. 1053+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	538
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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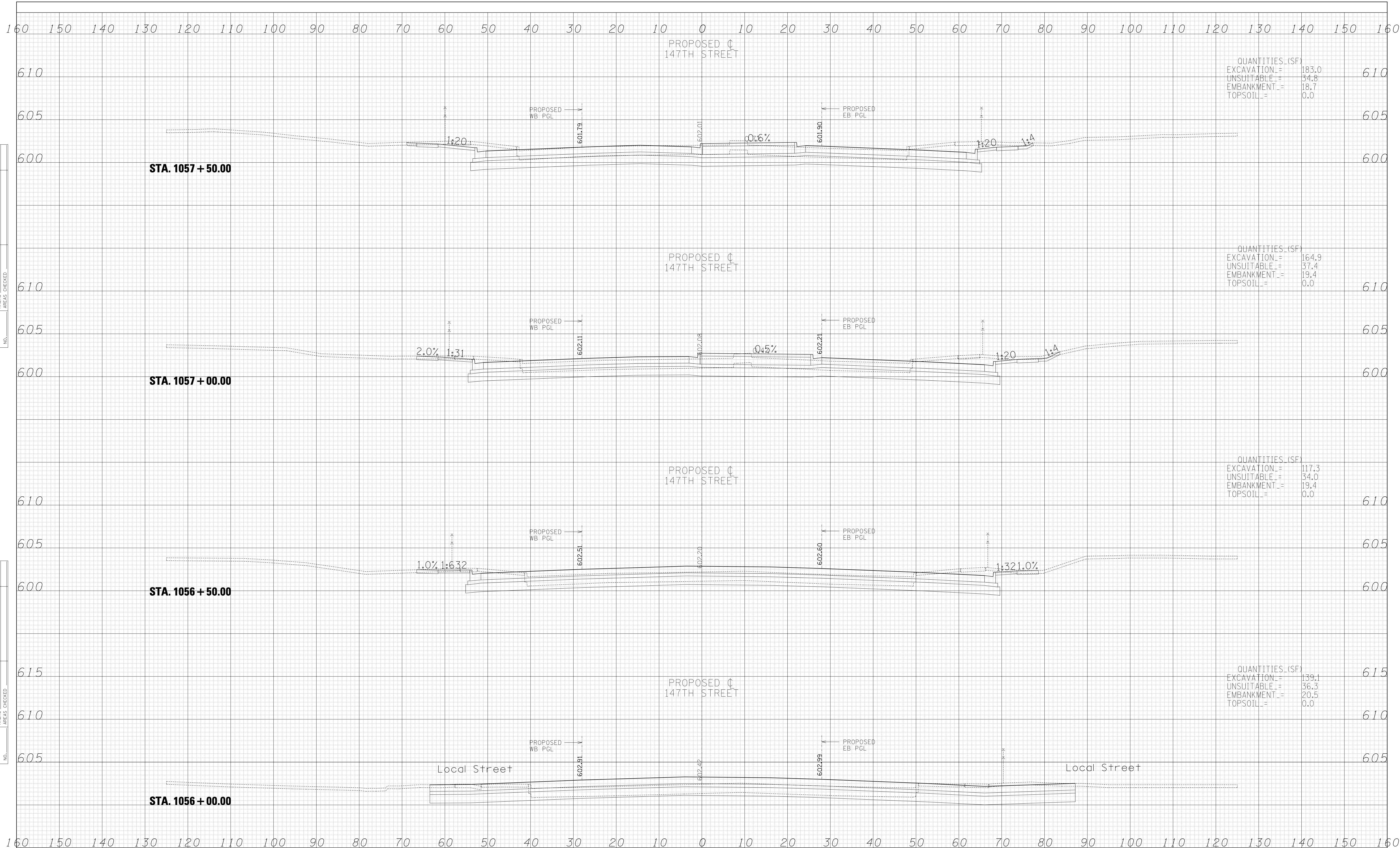
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			DRAWN	-	JDF	REVISED	-	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1054+00.00 TO STA. 1055+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	539
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JPM	REVISED -
	PLOT SCALE =	DRAWN - JDF	REVISED -
	PLOT DATE	CHECKED - JPM	REVISED -
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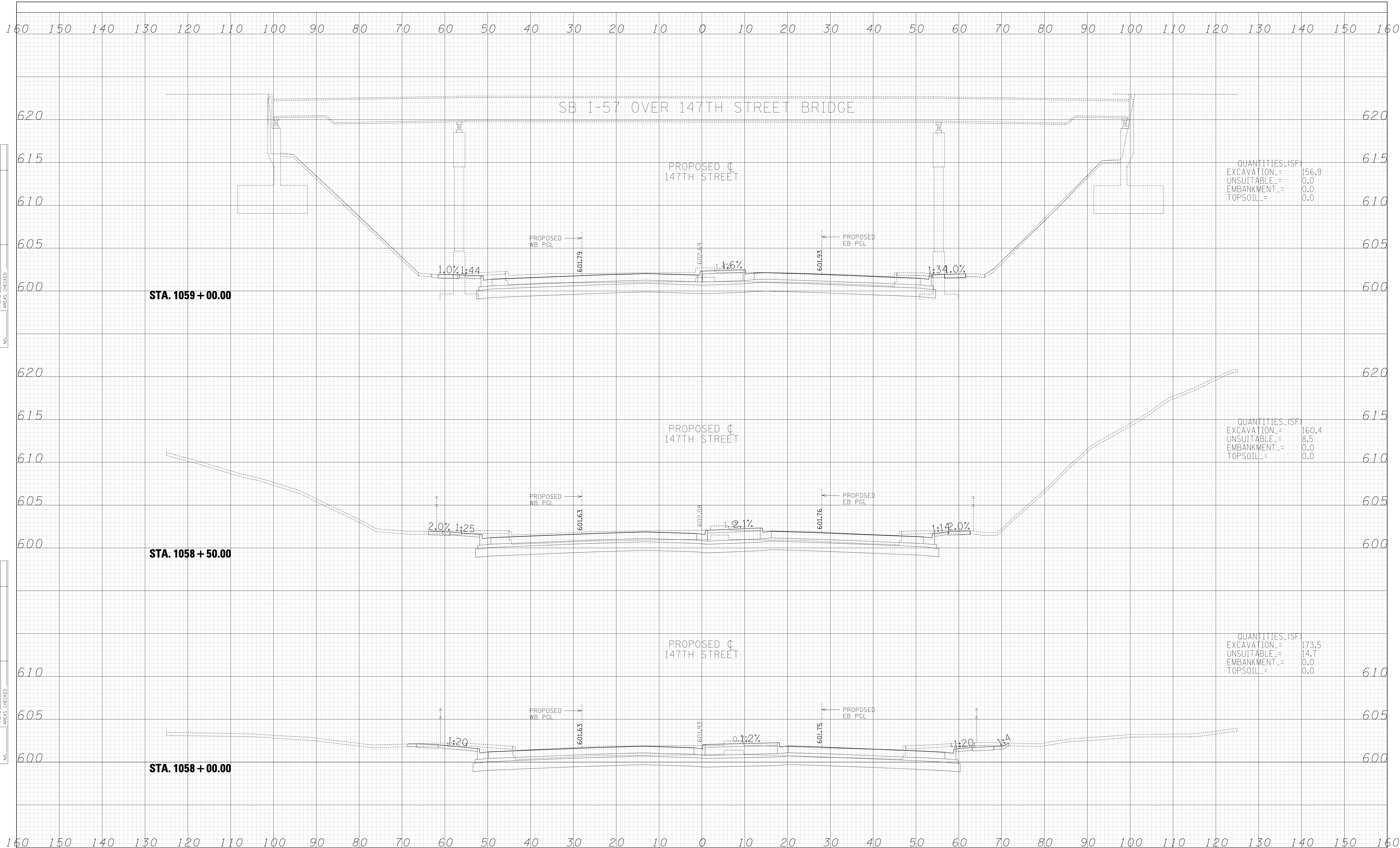
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1056+00.00 TO STA. 1057+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	540
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
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PLOT DATE	DATE - 2/24/2012	REVISED -

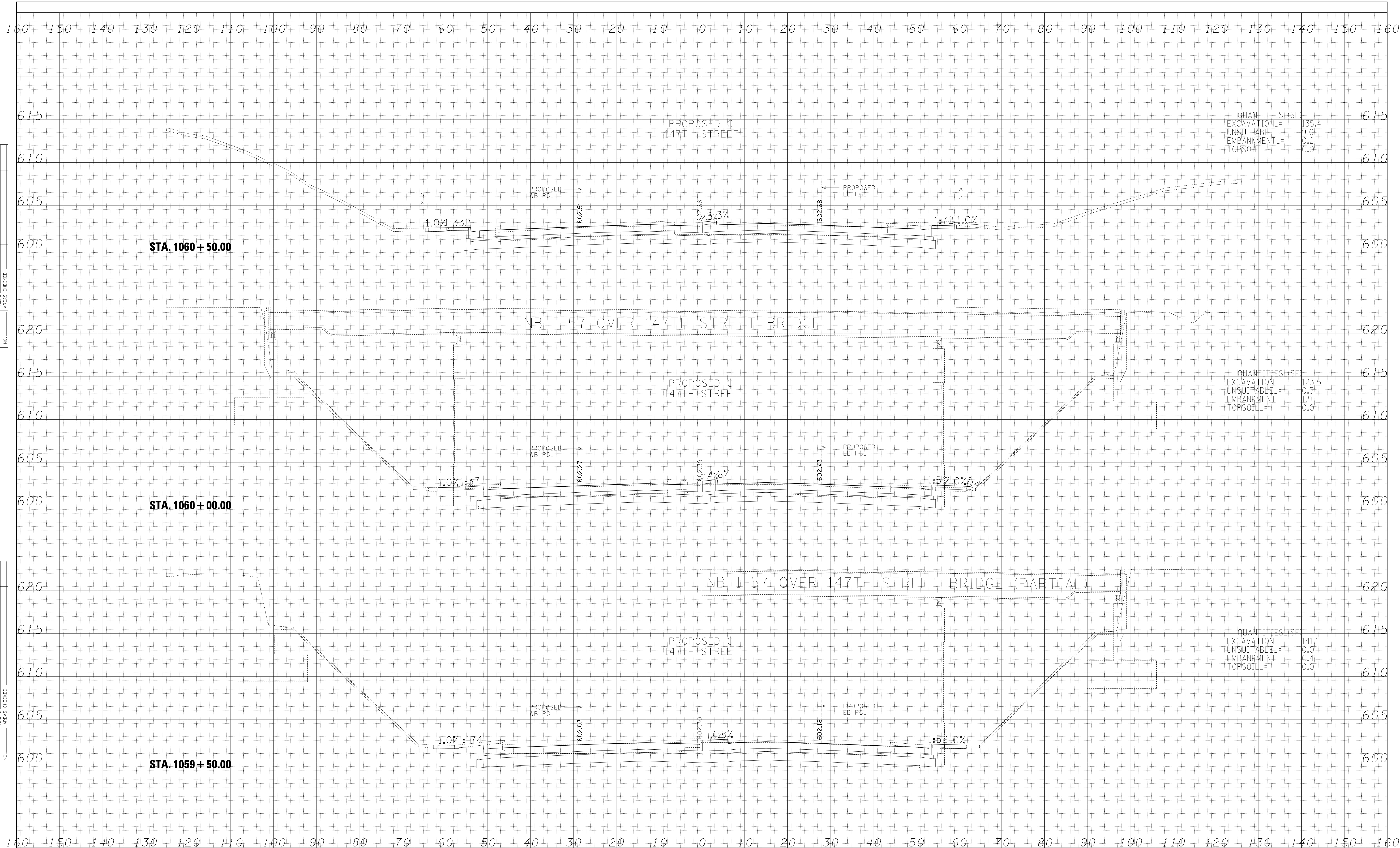
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	541
				CONTRACT NO. 60M57
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1058+00.00 TO STA. 1059+00.00

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QUANTITIES (SF)

EXCAVATION	=	135.4
UNSUITABLE	=	9.0
EMBANKMENT	=	0.2
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	123.5
UNSUITABLE	=	0.5
EMBANKMENT	=	1.9
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	141.1
UNSUITABLE	=	0.0
EMBANKMENT	=	0.4
TOPSOIL	=	0.0

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TYLIN INTERNATIONAL

USER NAME	=		DESIGNED	-	JPM	REVISED	-	
			DRAWN	-	JDF	REVISED	-	
PLOT SCALE	=		CHECKED	-	JPM	REVISED	-	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

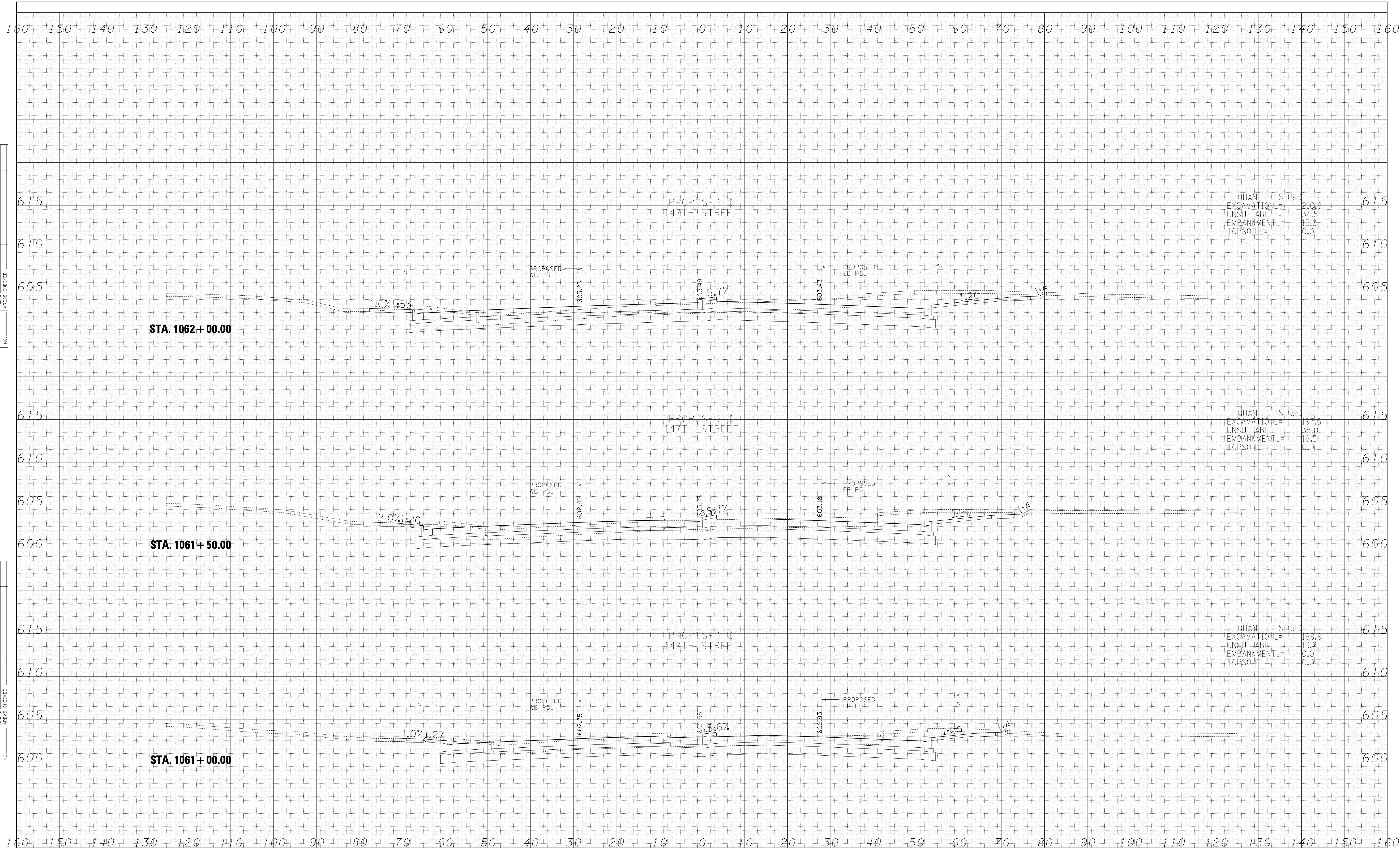
I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1059+50.00 TO STA. 1060+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	542
				CONTRACT NO. 60M57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

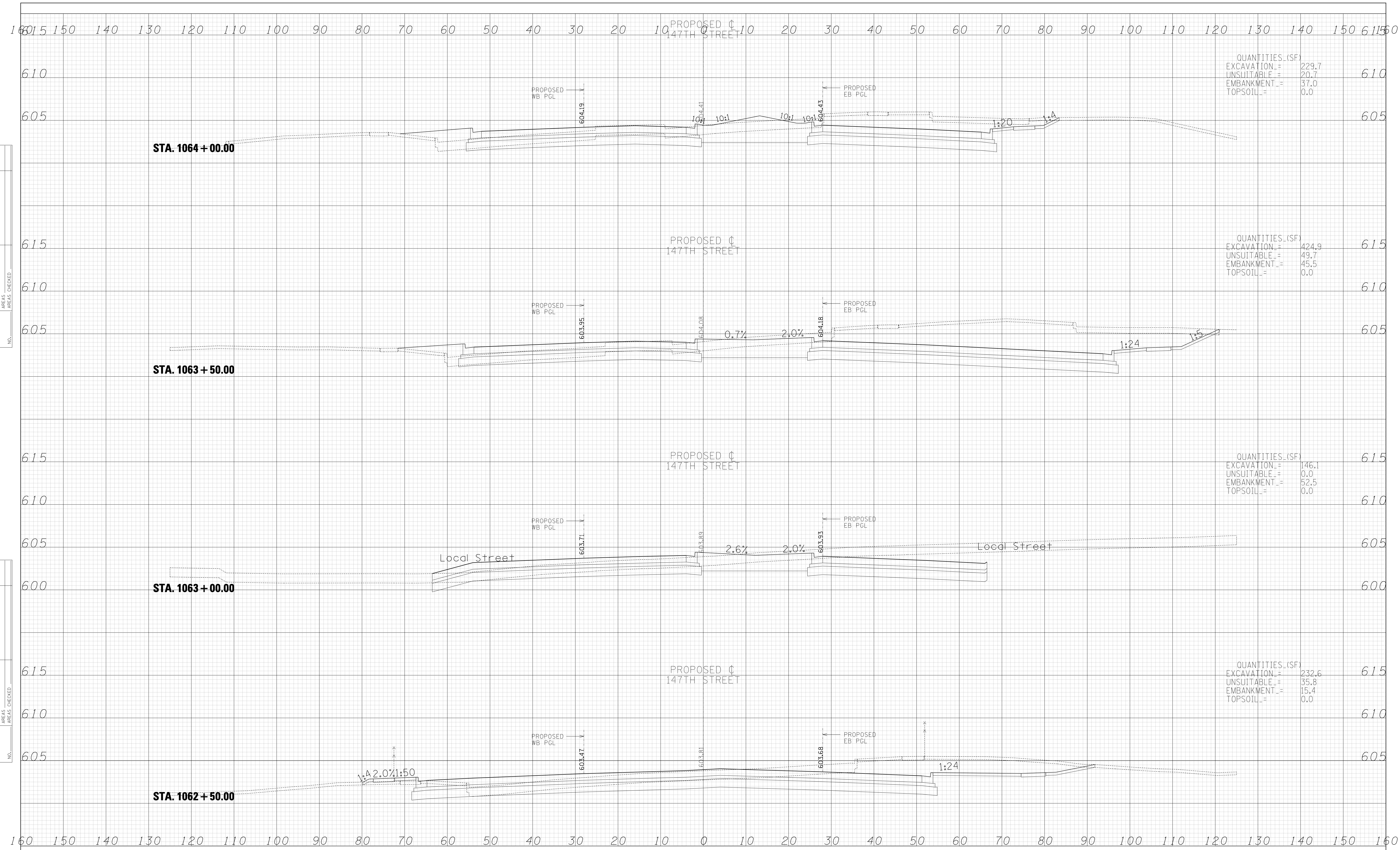
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 10' H SHEET NO. OF SHEETS STA. 1061+00.00 TO STA. 1062+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	543
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

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QUANTITIES (SF)

EXCAVATION	=	229.7
UNSUITABLE	=	20.7
EMBANKMENT	=	37.0
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	424.9
UNSUITABLE	=	49.7
EMBANKMENT	=	45.5
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	146.1
UNSUITABLE	=	0.0
EMBANKMENT	=	52.5
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	232.6
UNSUITABLE	=	35.8
EMBANKMENT	=	15.4
TOPSOIL	=	0.0

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 2/24/2012	REVISED -

STATE OF ILLINOIS
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I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS

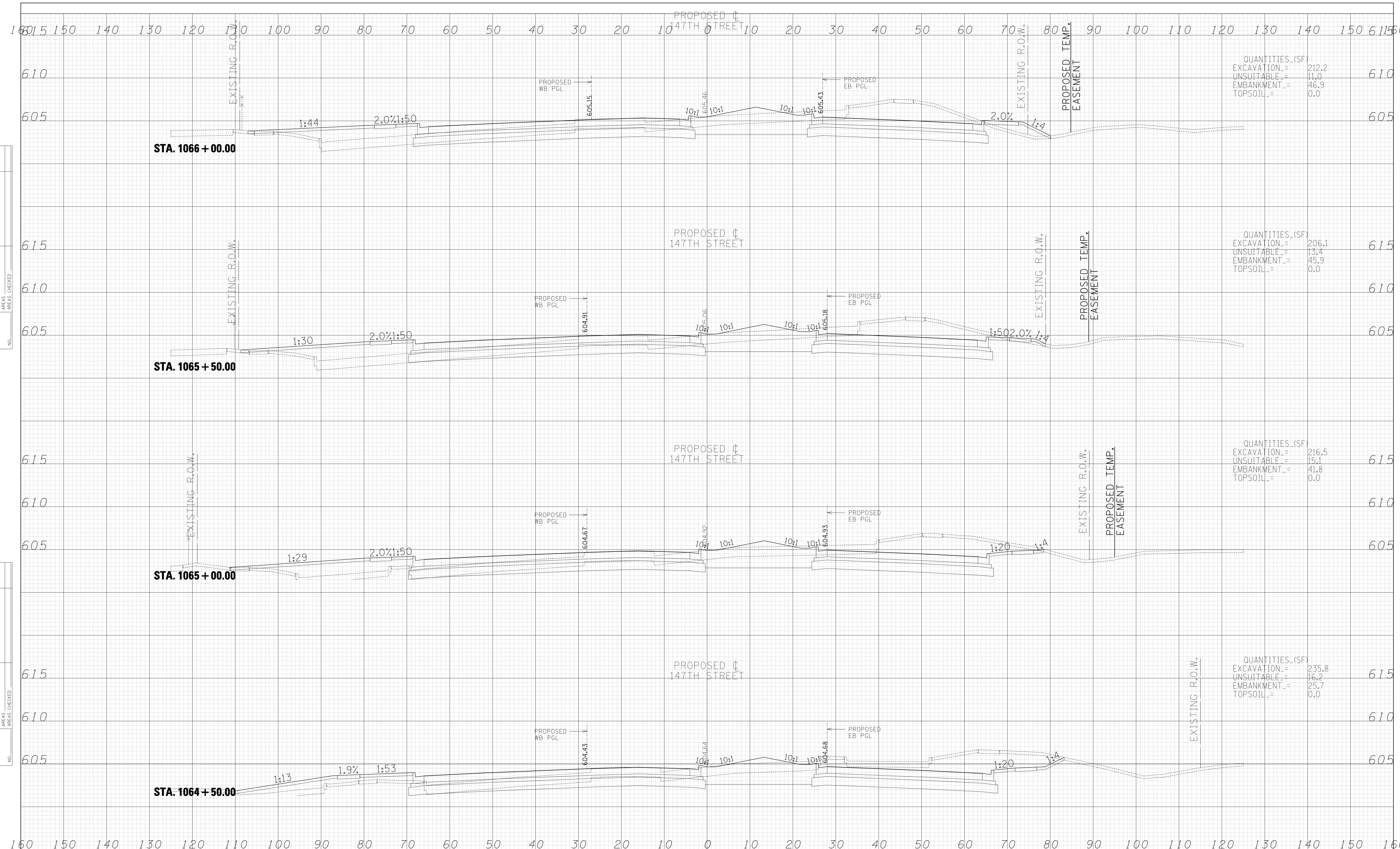
SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1062+50.00 TO STA. 1064+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	544
				CONTRACT NO. 60M57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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QUANTITIES (SF)	
EXCAVATION	212.2
UNSUITABLE	11.0
EMBANKMENT	46.9
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	206.1
UNSUITABLE	13.4
EMBANKMENT	45.9
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	216.5
UNSUITABLE	15.1
EMBANKMENT	41.8
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	235.8
UNSUITABLE	16.2
EMBANKMENT	25.7
TOPSOIL	0.0

TYLIN INTERNATIONAL

USER NAME	-	DESIGNED	- JPM	REVISED	-
		DRAWN	- JDF	REVISED	-
PLOT SCALE	-	CHECKED	- JPM	REVISED	-
PLOT DATE	-	DATE	- 2/24/2012	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

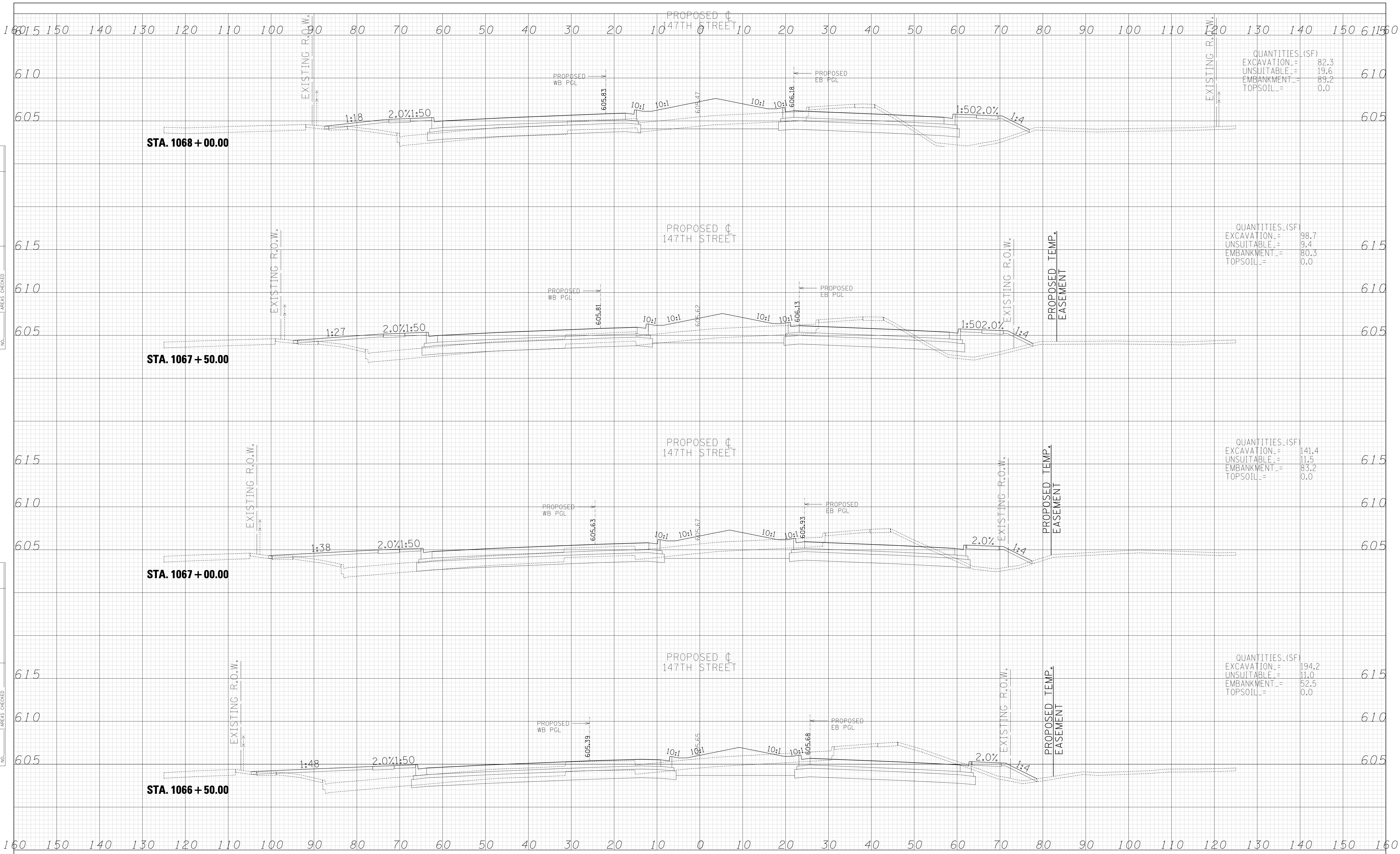
SHEET NO. OF SHEETS STA. 1064+50.00 TO STA. 1066+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	545
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

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QUANTITIES (SF)	
EXCAVATION	82.3
UNSUITABLE	19.6
EMBANKMENT	89.2
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	98.7
UNSUITABLE	9.4
EMBANKMENT	80.3
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	141.4
UNSUITABLE	11.5
EMBANKMENT	83.2
TOPSOIL	0.0

QUANTITIES (SF)	
EXCAVATION	194.2
UNSUITABLE	11.0
EMBANKMENT	52.5
TOPSOIL	0.0

TYLIN INTERNATIONAL

USER NAME	=	DESIGNED	- JPM	REVISED	-
		DRAWN	- JDF	REVISED	-
PLOT SCALE	=	CHECKED	- JPM	REVISED	-
PLOT DATE	=	DATE	- 2/24/2012	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	546
CONTRACT NO. 60M57				

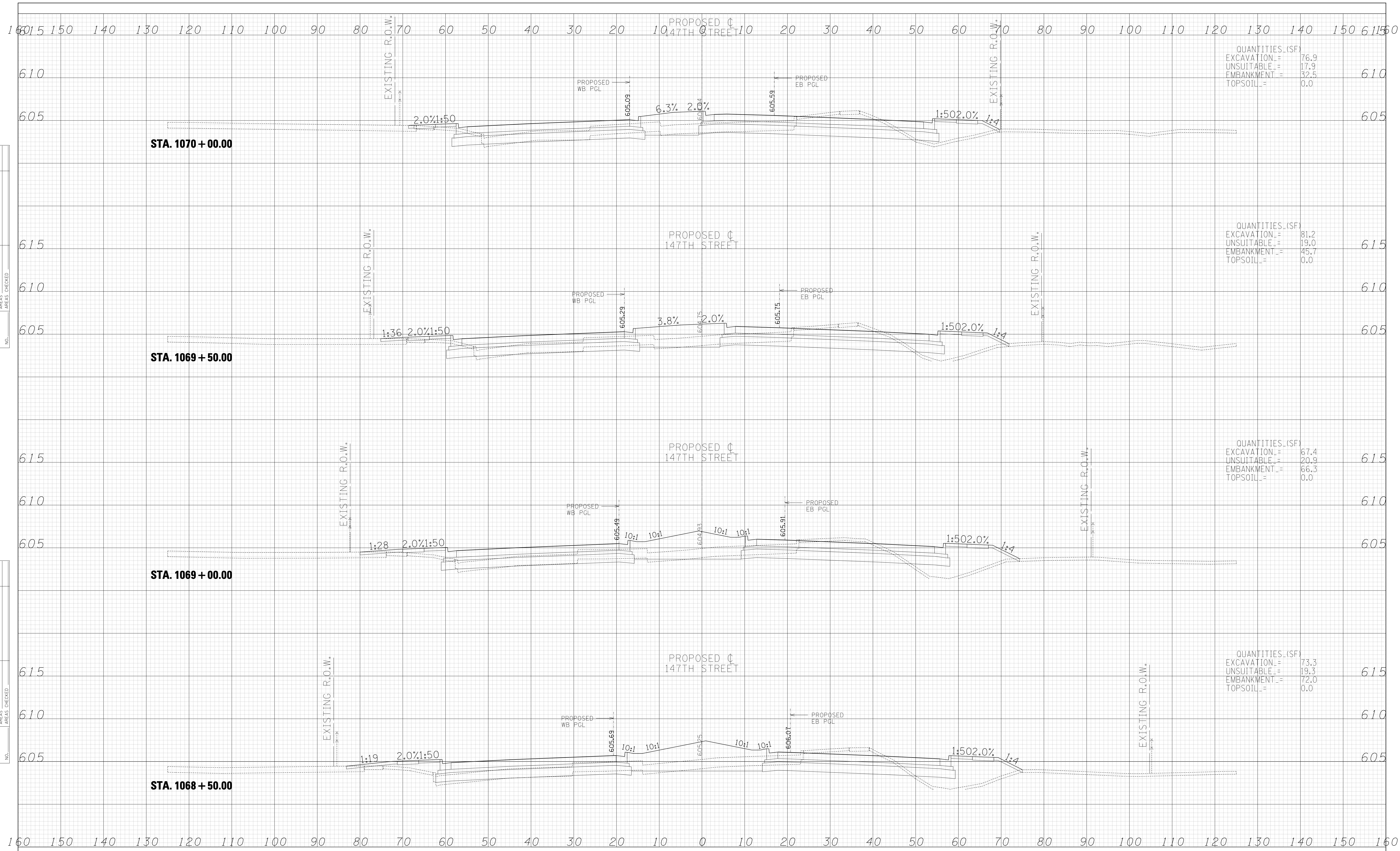
SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 1066+50.00 TO STA. 1068+00.00

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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QUANTITIES (SF)

EXCAVATION	=	76.9
UNSUITABLE	=	17.9
EMBANKMENT	=	32.5
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	81.2
UNSUITABLE	=	19.0
EMBANKMENT	=	45.7
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	67.4
UNSUITABLE	=	20.9
EMBANKMENT	=	66.3
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	73.3
UNSUITABLE	=	19.3
EMBANKMENT	=	72.0
TOPSOIL	=	0.0

TYLIN INTERNATIONAL

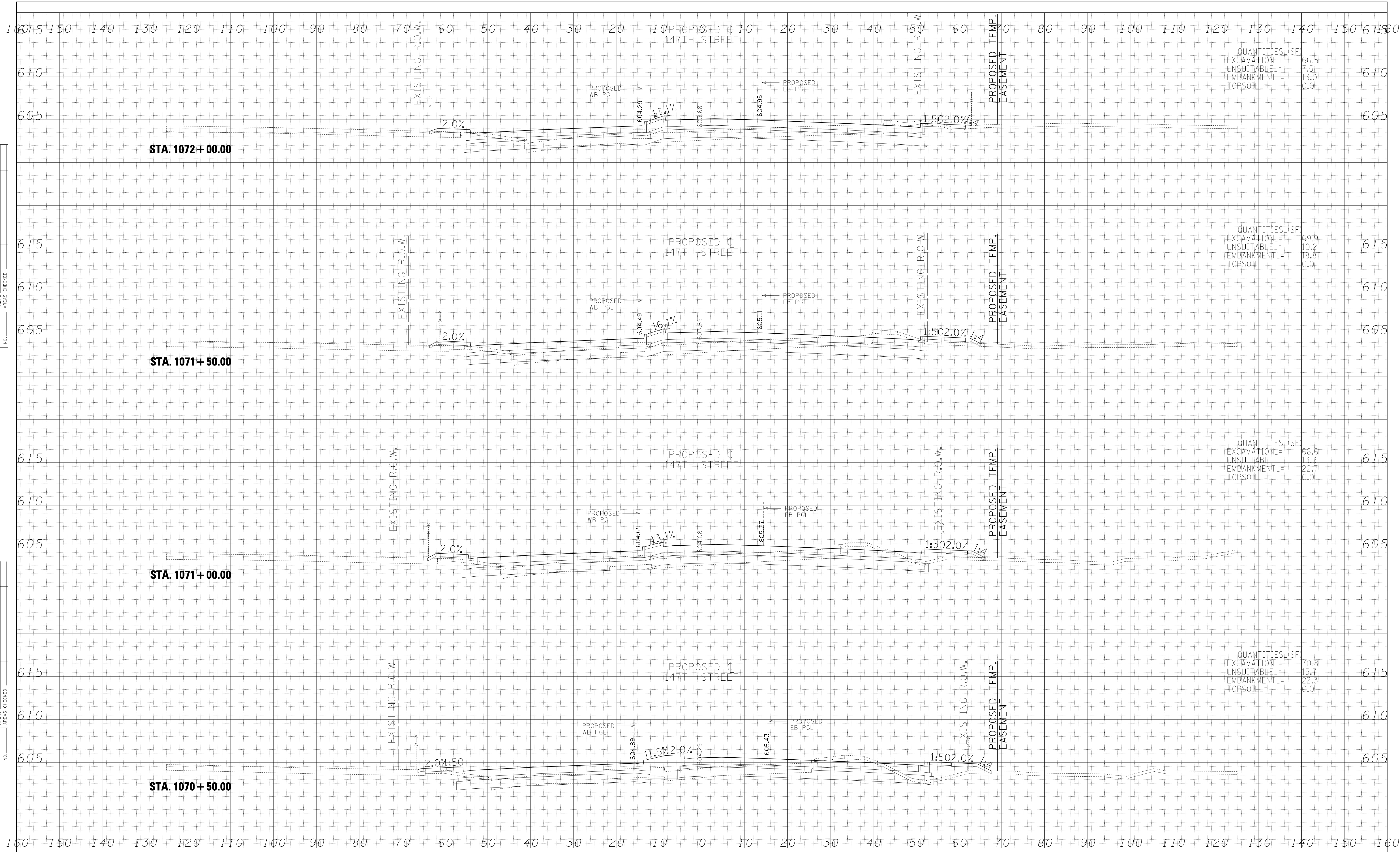
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PLOT DATE	=		DATE	-	2/24/2012	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 1068+50.00 TO STA. 1070+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	547
				CONTRACT NO. 60M57



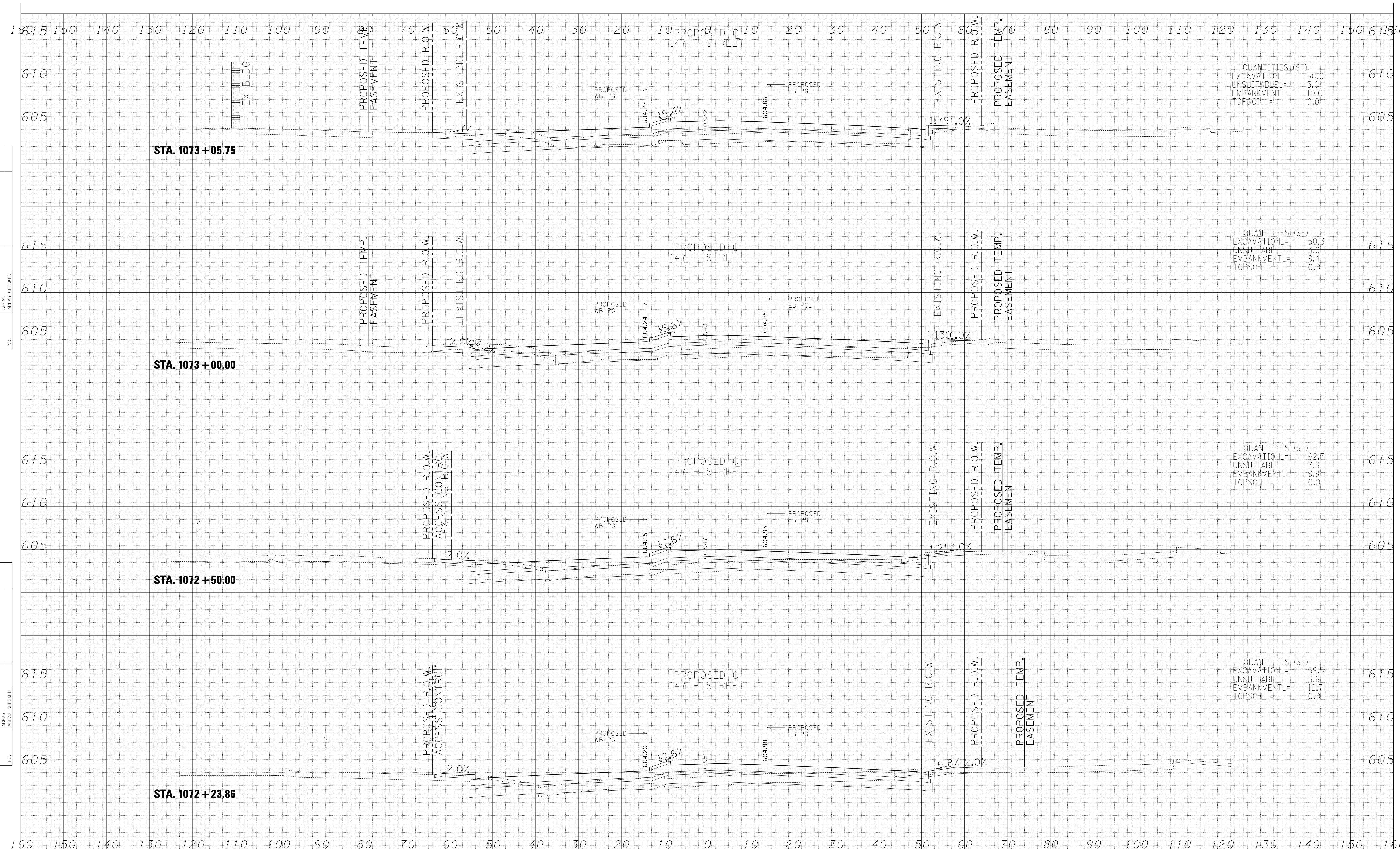
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QUANTITIES (SF)		
EXCAVATION	=	50.0
UNSUITABLE	=	3.0
EMBANKMENT	=	10.0
TOPSOIL	=	0.0

QUANTITIES (SF)		
EXCAVATION	=	50.3
UNSUITABLE	=	3.0
EMBANKMENT	=	9.4
TOPSOIL	=	0.0

QUANTITIES (SF)		
EXCAVATION	=	62.7
UNSUITABLE	=	7.3
EMBANKMENT	=	9.8
TOPSOIL	=	0.0

QUANTITIES (SF)		
EXCAVATION	=	59.5
UNSUITABLE	=	5.6
EMBANKMENT	=	12.7
TOPSOIL	=	0.0

TYLIN INTERNATIONAL

USER NAME	=		DESIGNED	-	JPM	REVISED	-	
PLLOT SCALE	=		DRAWN	-	JDF	REVISED	-	
PLLOT DATE	=		CHECKED	-	JPM	REVISED	-	
			DATE	-	2/24/2012	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

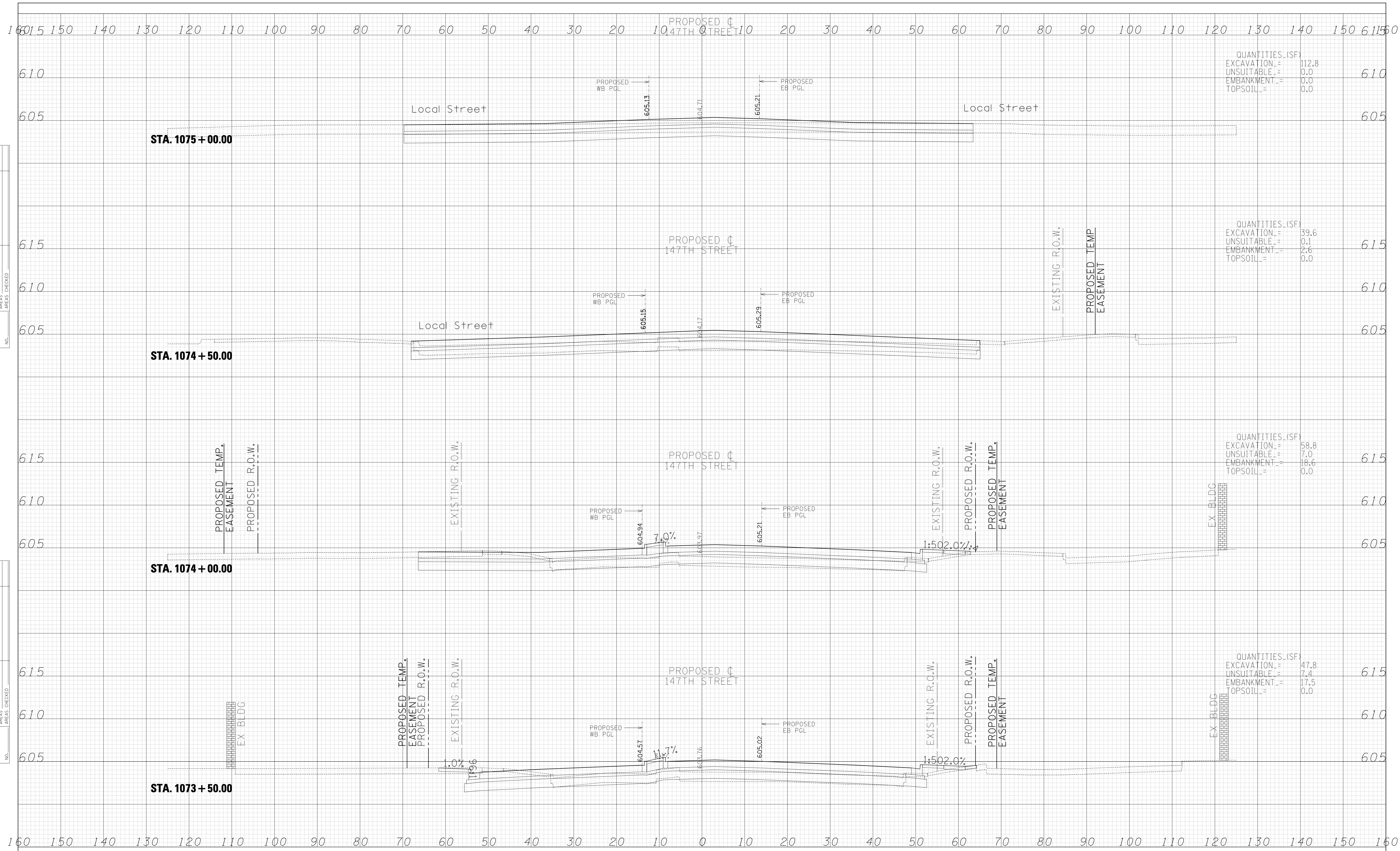
SCALE: 1" = 10' V, 1" = 50' H

SHEET NO. OF SHEETS STA. 1072+23.86 TO STA. 1073+05.75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	549
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 2/24/2012	REVISED -

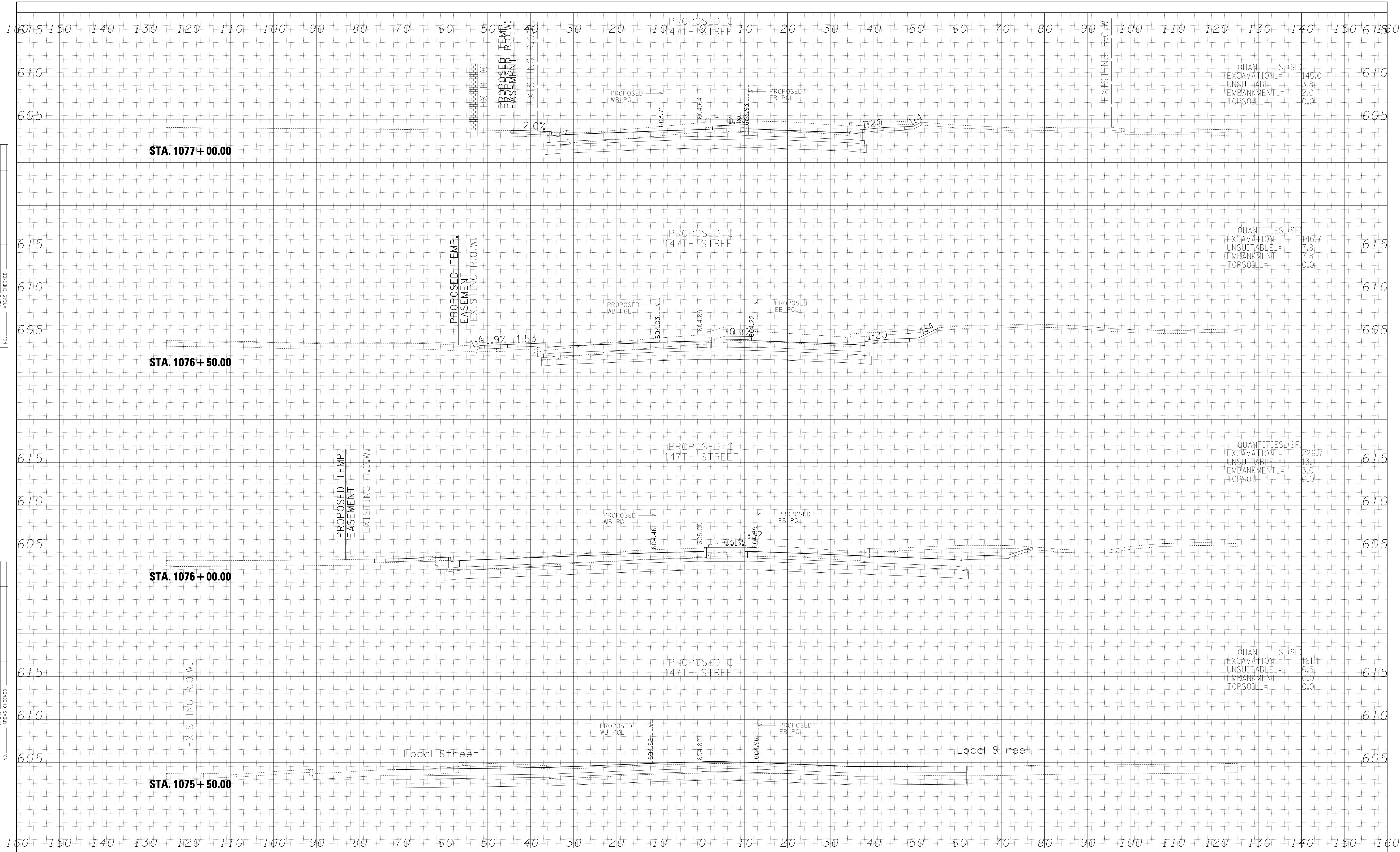
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	550
				CONTRACT NO. 60M57
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1073+50.00 TO STA. 1075+00.00

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

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

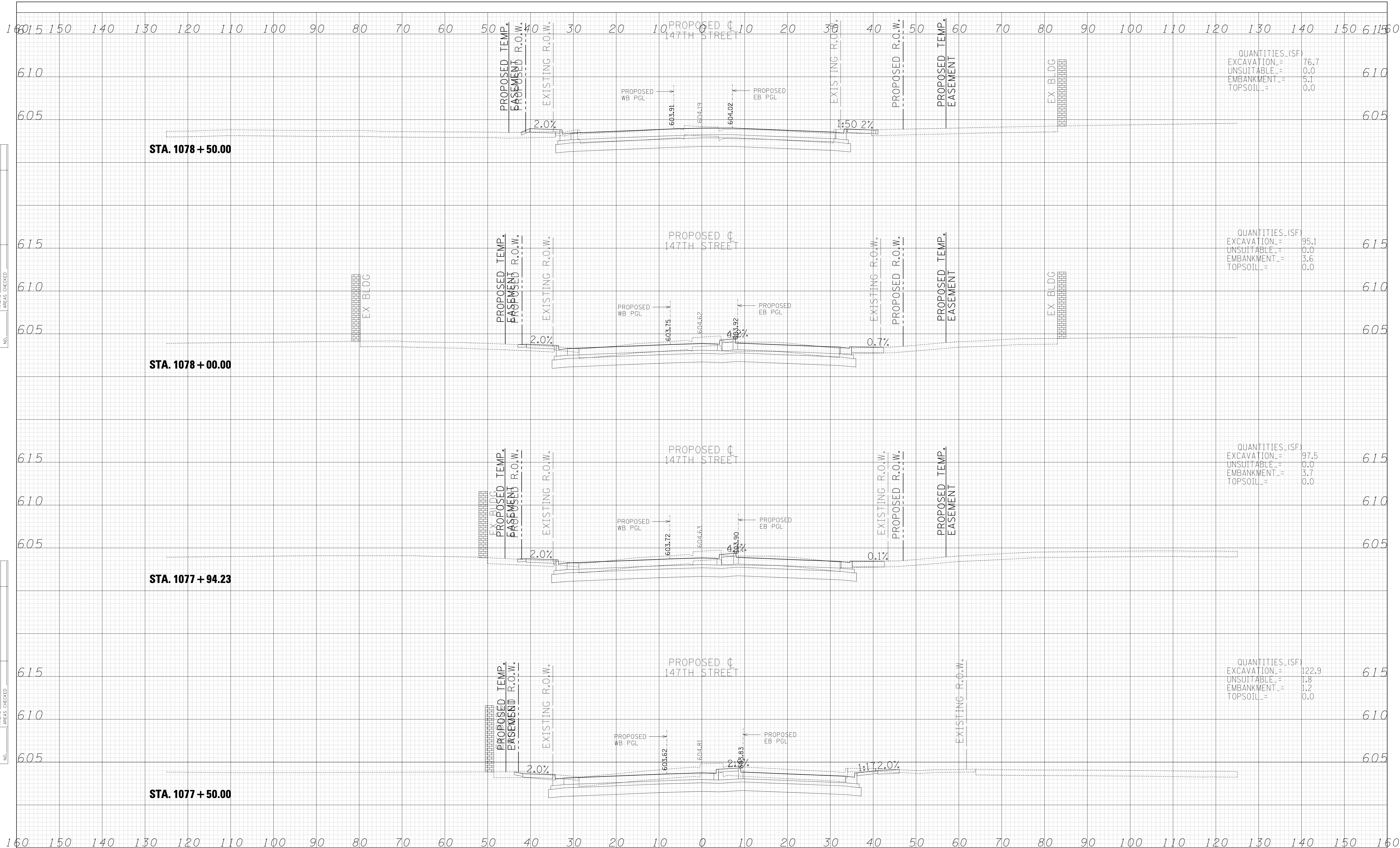
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	551
CONTRACT NO. 60M57				

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 1075+50.00 TO STA. 1077+00.00

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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QUANTITIES (SF)

EXCAVATION	=	76.7
UNSUITABLE	=	0.0
EMBANKMENT	=	5.1
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	95.1
UNSUITABLE	=	0.0
EMBANKMENT	=	3.6
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	97.5
UNSUITABLE	=	0.0
EMBANKMENT	=	3.7
TOPSOIL	=	0.0

QUANTITIES (SF)

EXCAVATION	=	122.9
UNSUITABLE	=	1.8
EMBANKMENT	=	1.2
TOPSOIL	=	0.0

DATE	
BY	
ORIGINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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TYLIN INTERNATIONAL

USER NAME	=	
DESIGNED	-	JPM
DRAWN	-	JDF
PLLOT SCALE	=	
CHECKED	-	JPM
DATE	-	2/24/2012
REVISIONS	-	
REVISOR	-	
REVISION	-	
REVISOR	-	
REVISION	-	
REVISOR	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

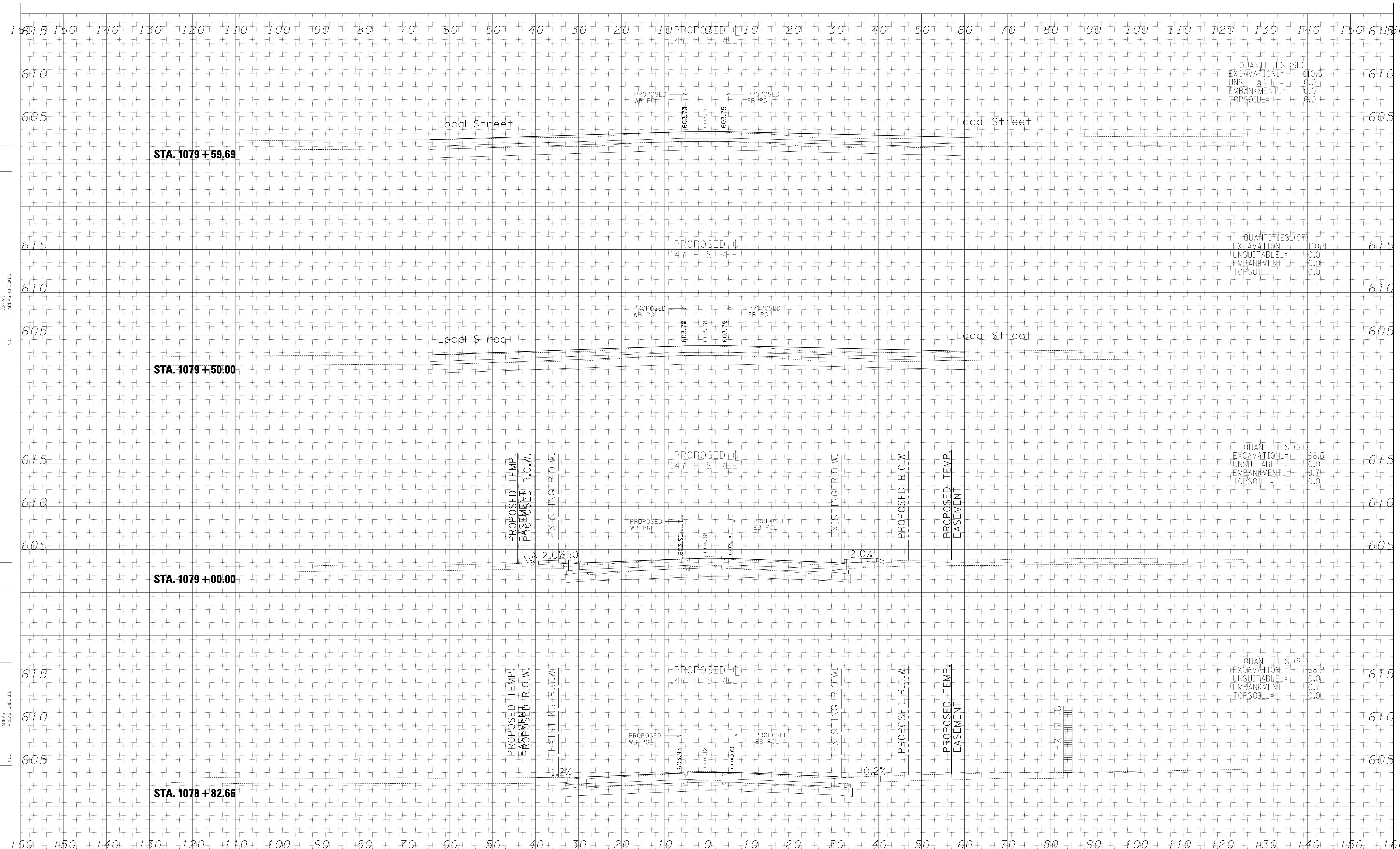
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	552
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 1077+50.00 TO STA. 1078+50.00

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DATE	
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SURVEYED	
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CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS	
CHECKED	
NO.	



QUANTITIES (SF)		
EXCAVATION	= 110.3	610
UNSUITABLE	= 0.0	
EMBANKMENT	= 0.0	
TOPSOIL	= 0.0	

QUANTITIES (SF)		
EXCAVATION	= 110.4	615
UNSUITABLE	= 0.0	
EMBANKMENT	= 0.0	
TOPSOIL	= 0.0	

QUANTITIES (SF)		
EXCAVATION	= 68.3	615
UNSUITABLE	= 0.0	
EMBANKMENT	= 9.7	
TOPSOIL	= 0.0	

QUANTITIES (SF)		
EXCAVATION	= 68.2	615
UNSUITABLE	= 0.0	
EMBANKMENT	= 0.7	
TOPSOIL	= 0.0	

TYLIN INTERNATIONAL

USER NAME	=	DESIGNED	- JPM	REVISED	-
		DRAWN	- JDF	REVISED	-
PLOT SCALE	=	CHECKED	- JPM	REVISED	-
PLOT DATE	=	DATE	- 2/24/2012	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

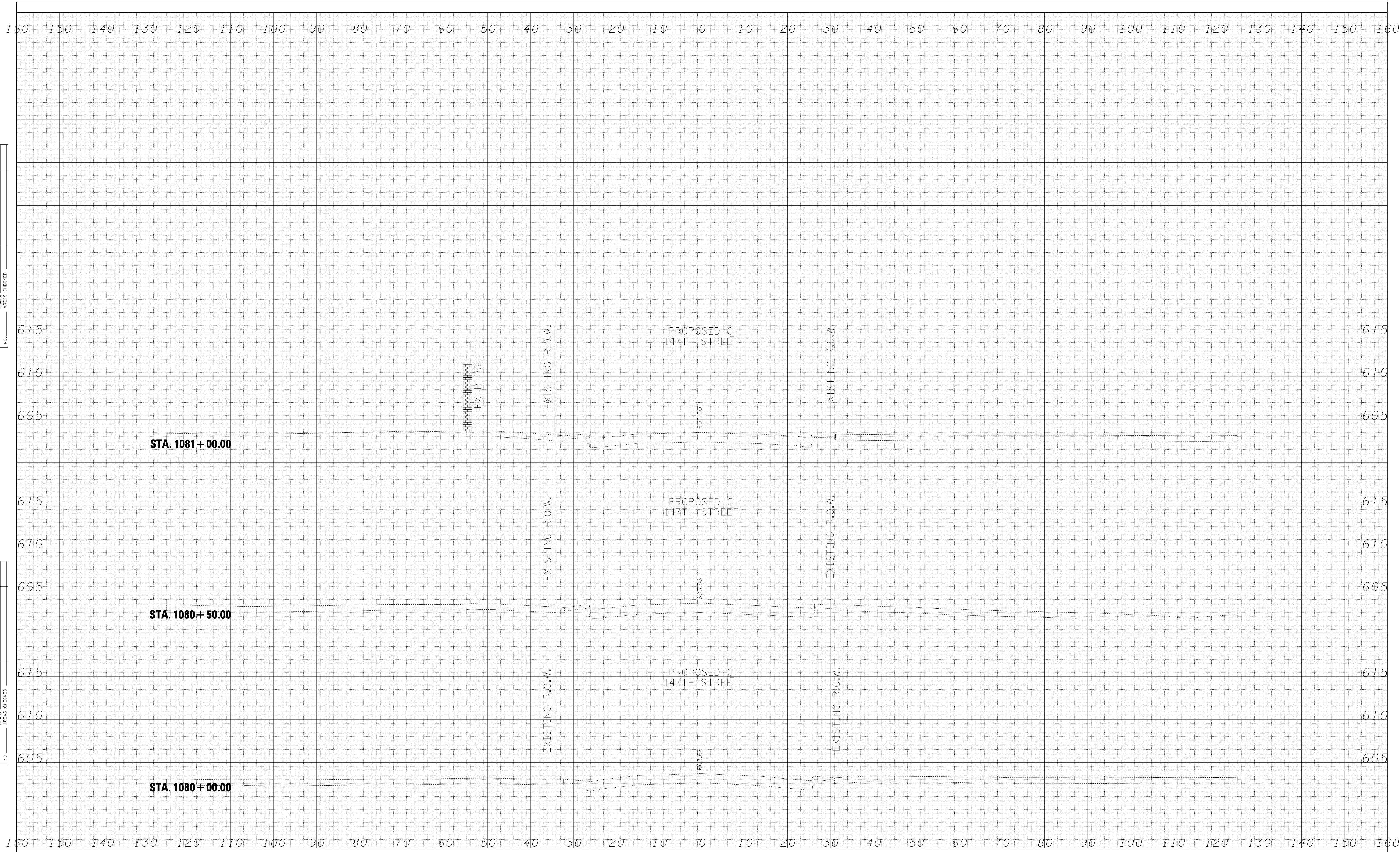
**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H

SHEET NO. OF SHEETS STA. 1078+82.66 TO STA. 1079+59.69

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	553
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FINAL SURVEY	
NOTE BOOK	
NO.	

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

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

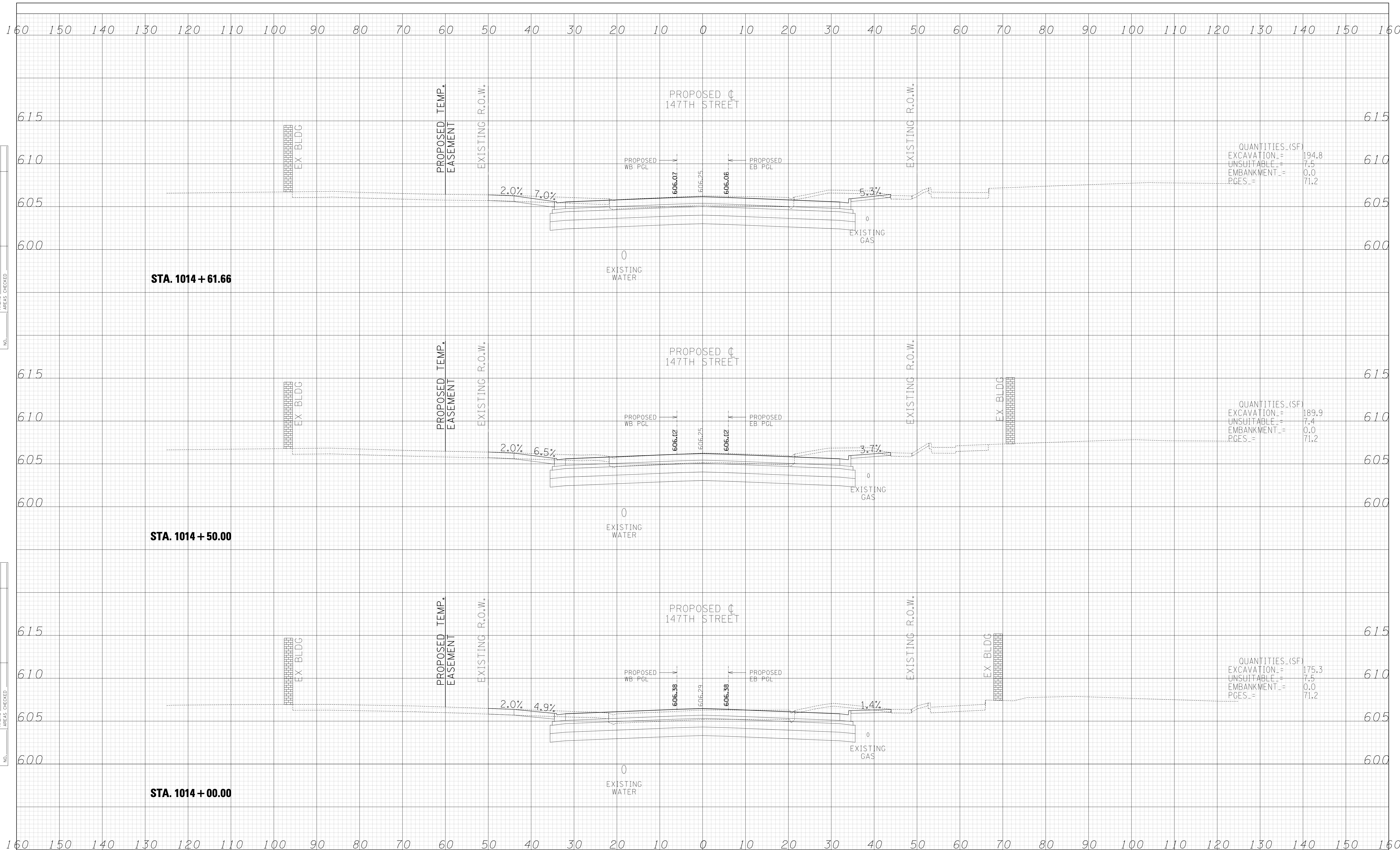
SCALE: 1" = 100' H
SHEET NO. OF SHEETS STA. 1080+00.00 TO STA. 1081+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	554
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

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

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



QUANTITIES - (SF)	
EXCAVATION	194.8
UNSUITABLE	7.5
EMBANKMENT	0.0
PGES	71.2

QUANTITIES - (SF)	
EXCAVATION	189.9
UNSUITABLE	7.4
EMBANKMENT	0.0
PGES	71.2

QUANTITIES - (SF)	
EXCAVATION	175.3
UNSUITABLE	7.5
EMBANKMENT	0.0
PGES	71.2

TYLIN INTERNATIONAL

USER NAME	DESIGNED - JPM	REVISED -
PLOT SCALE	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 2/24/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-294 AT I-57 INTERCHANGE PROJECT
PROPOSED 147TH STREET CROSS SECTIONS**

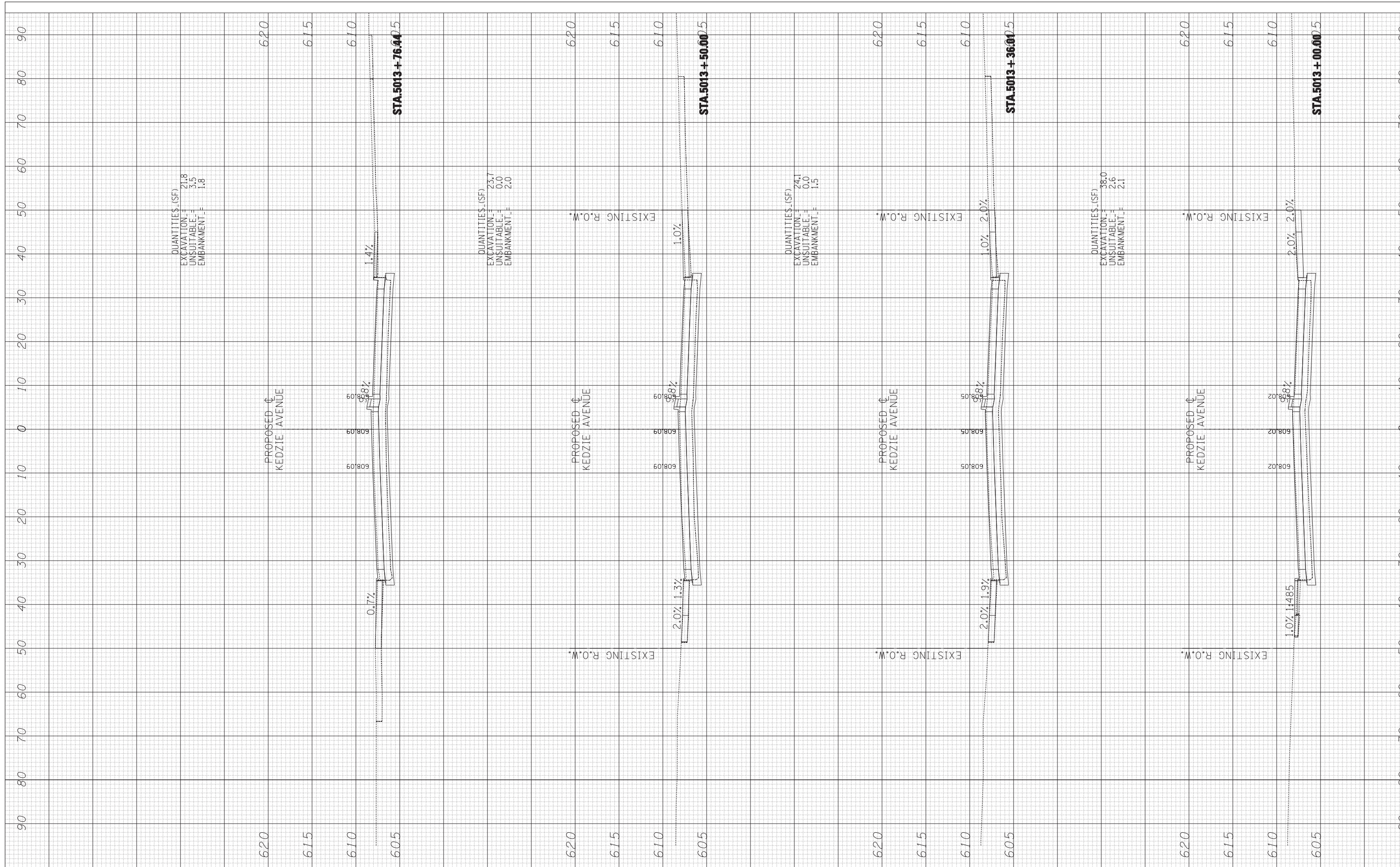
SCALE: $\frac{1"}{40'} = \frac{1}{4000"}^H$

SHEET NO. OF SHEETS STA. 1014+00.00 TO STA. 1014+61.66

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	577	555
				CONTRACT NO. 60M57
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



USER NAME -	DESIGNED - JDF	REVISED -
PLOT SCALE -	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

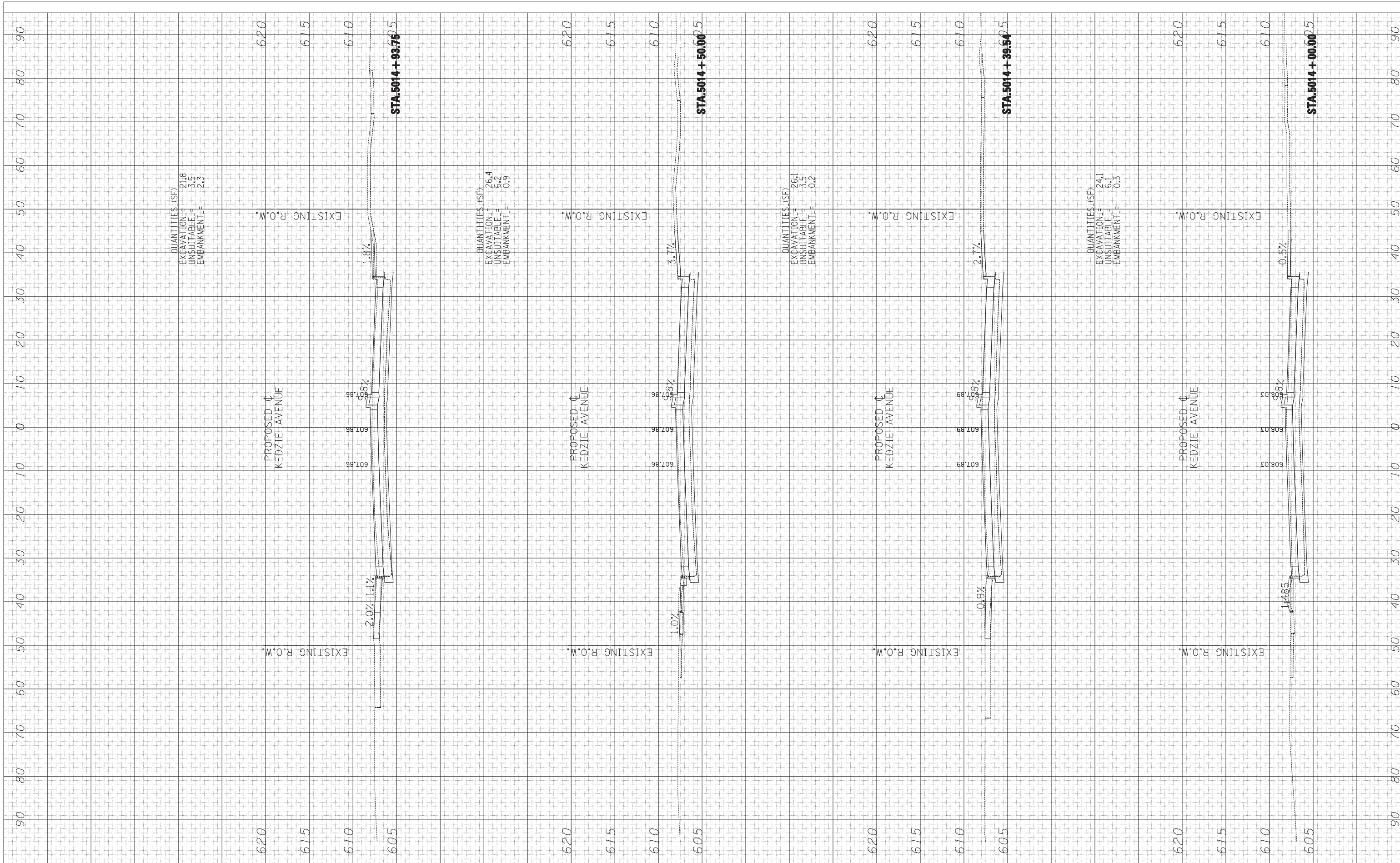
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT PROPOSED KEDZIE AVENUE CROSS SECTIONS			
SCALE: 1" = 10' V	SHEET NO. OF SHEETS	STA. 5013+00.00 TO STA. 5013+76.44	F.A. R.T.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX (0405-1 & 0506-2) R-1	COOK	577	556
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



USER NAME -	DESIGNED - JDF	REVISED -
PLOT SCALE -	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

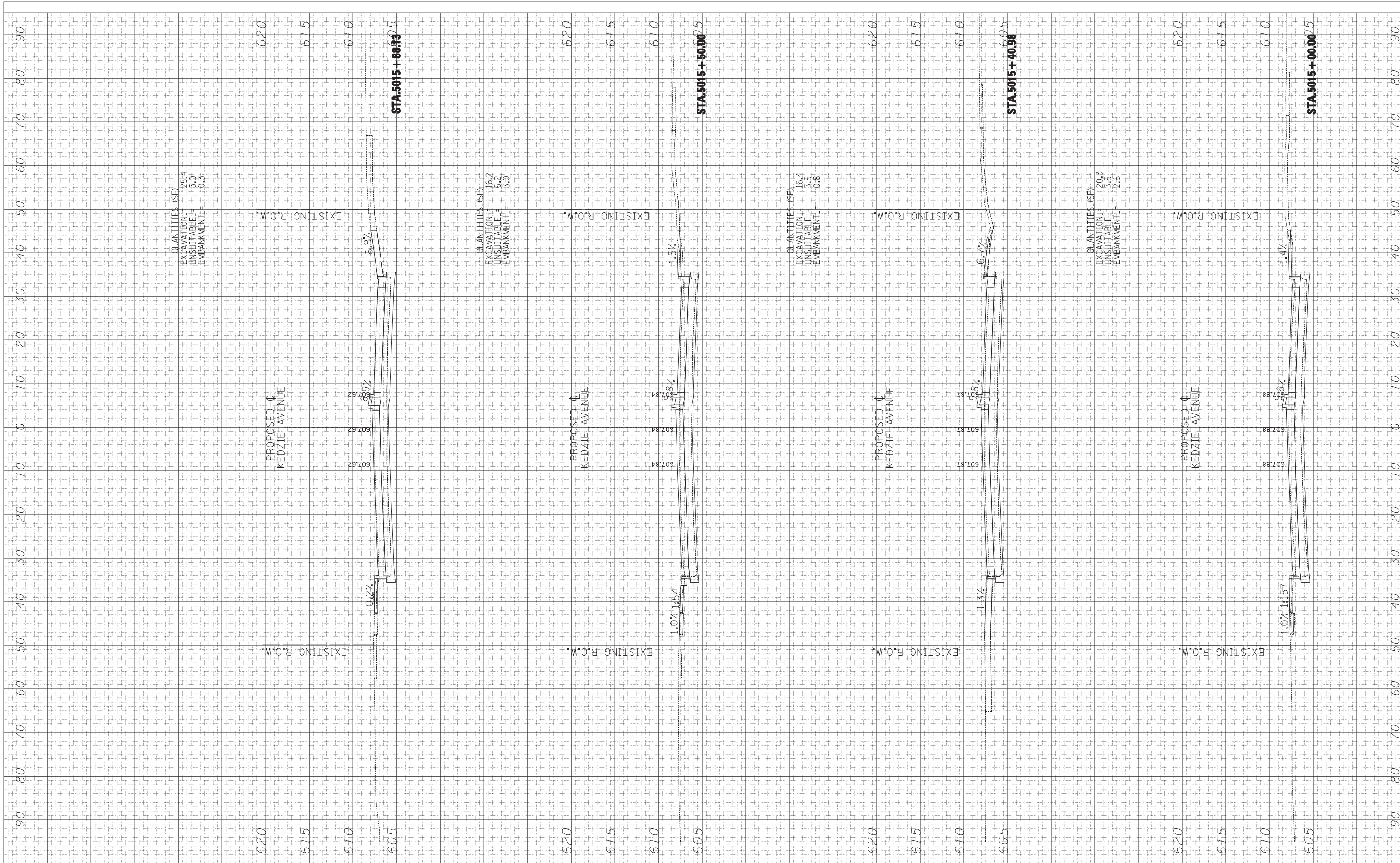
**147TH STREET PROJECT
PROPOSED KEDZIE AVENUE CROSS SECTIONS**

SCALE: 1" = 10' H	SHEET NO. OF SHEETS	STA. 5014+00.00 TO STA. 5014+93.75
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F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	557
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



TYLIN INTERNATIONAL

USER NAME	DESIGNED - JDF	REVISED -
PLOT SCALE	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

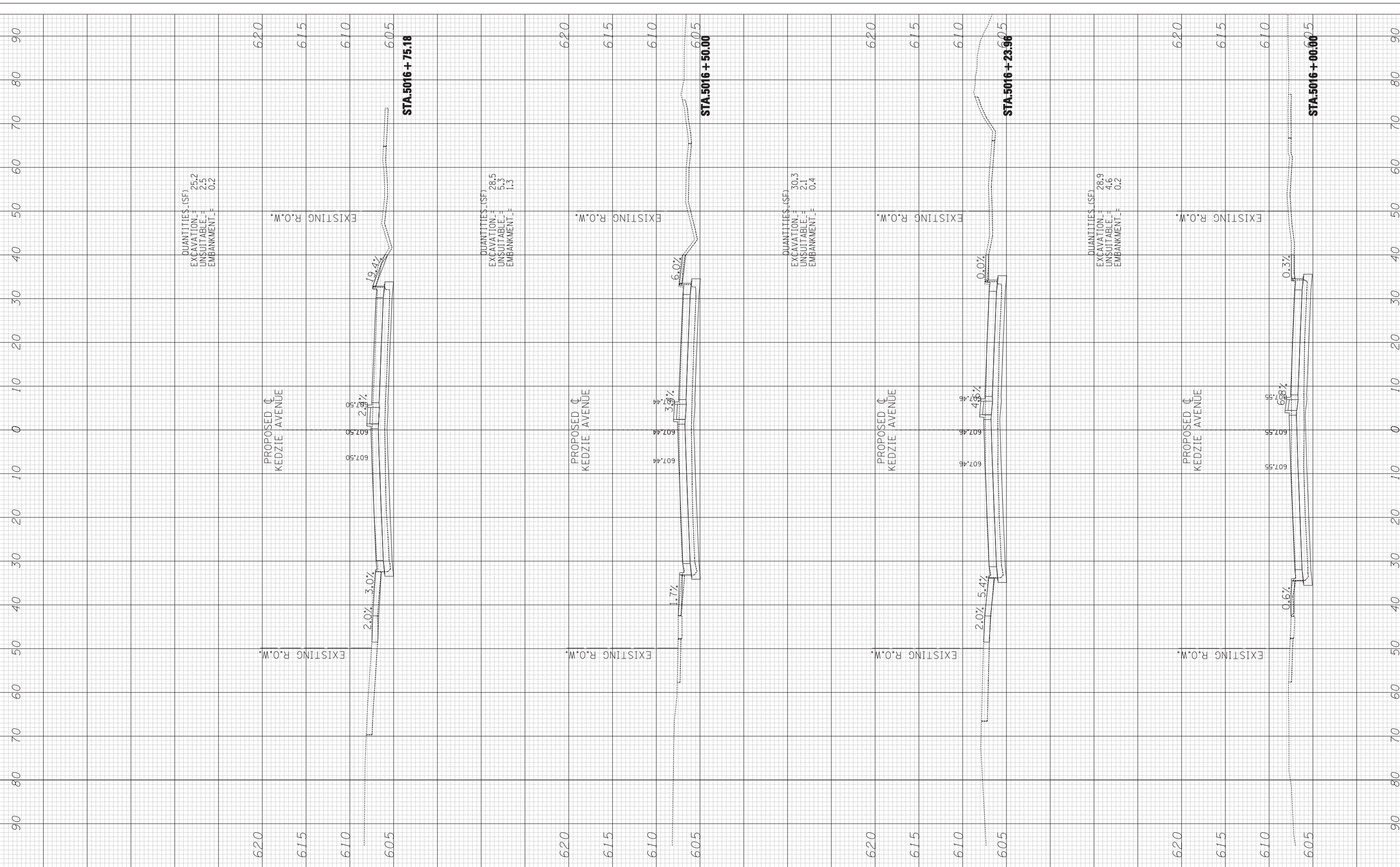
**147TH STREET PROJECT
PROPOSED KEDZIE AVENUE CROSS SECTIONS**

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 5015+00.00 TO STA. 5015+88.13

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	558
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



USER NAME =	DESIGNED - JDF	REVISED -
	DRAWN - JDF	REVISED -
	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

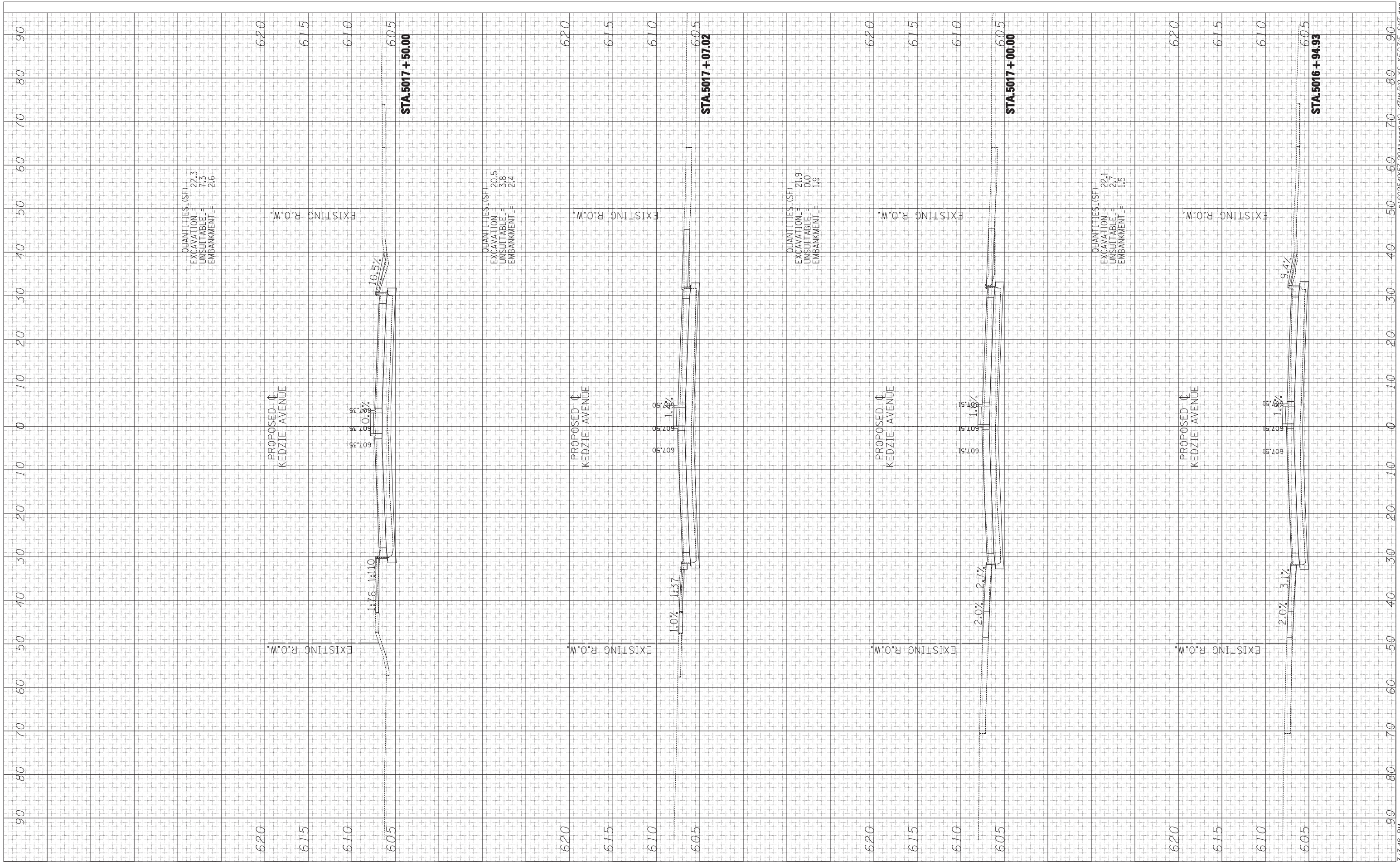
**147TH STREET PROJECT
PROPOSED KEDZIE AVENUE CROSS SECTIONS**

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	559
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 10' H
SHEET NO. OF SHEETS STA. 5016+00.00 TO STA. 5016+75.18

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



TYLIN INTERNATIONAL

USER NAME -	DESIGNED - JDF	REVISED -
PLOT SCALE -	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED KEDZIE AVENUE CROSS SECTIONS**

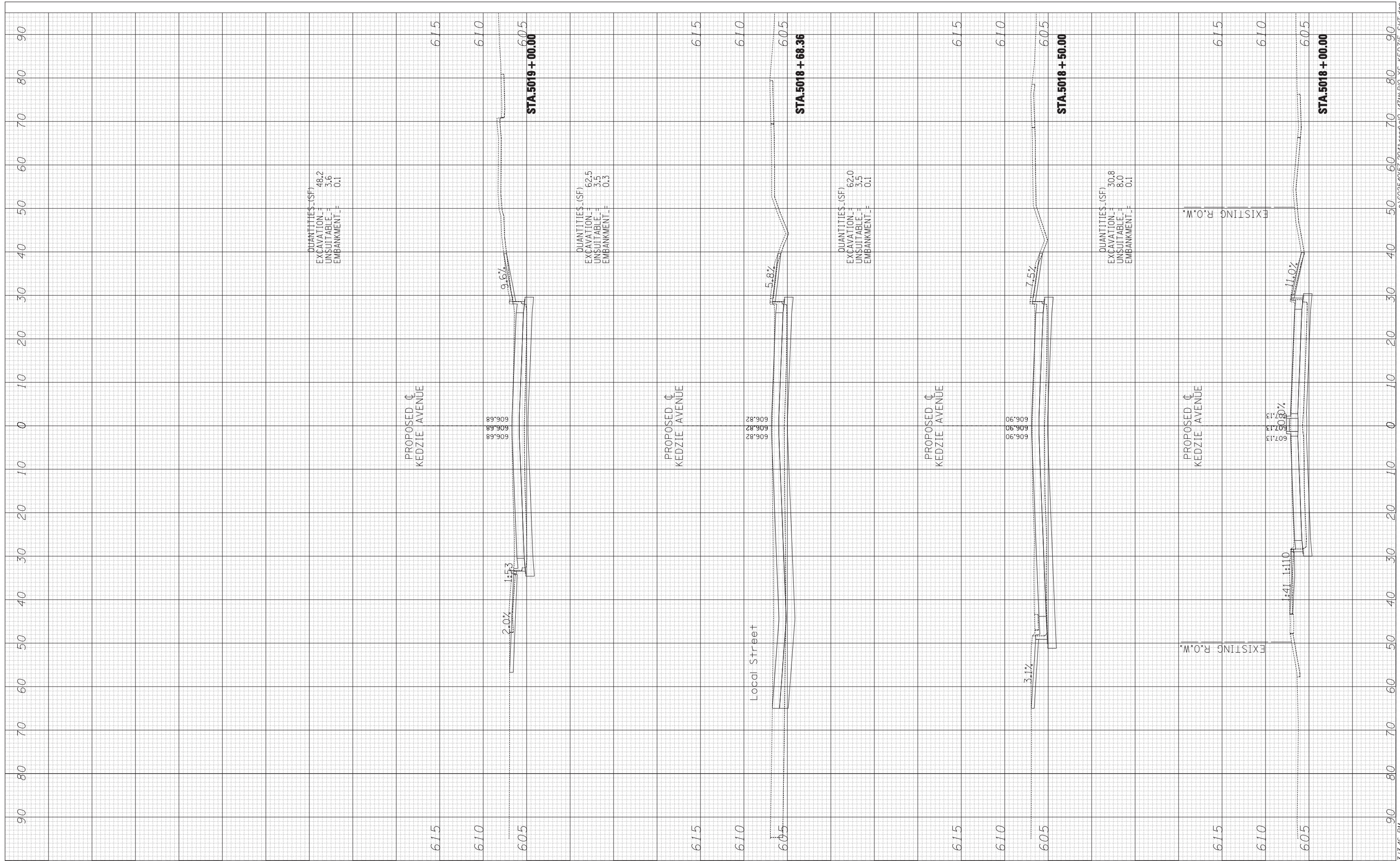
SCALE: 1" = 10' V, 1" = 50' H

SHEET NO. OF SHEETS STA. 5016+94.93 TO STA. 5017+50.00

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	560
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

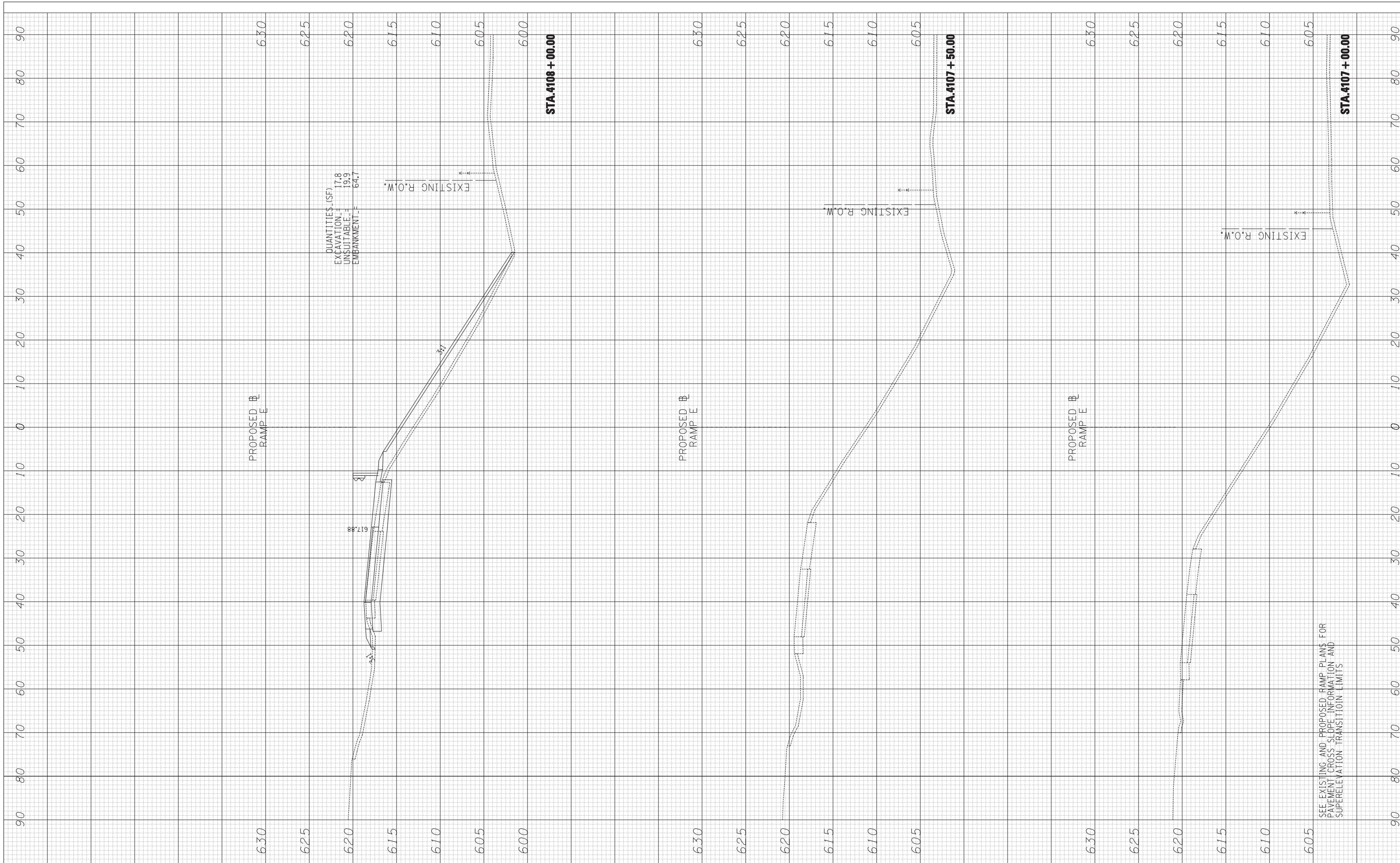
147TH STREET PROJECT
PROPOSED KEDZIE AVENUE CROSS SECTIONS

SCALE: 1" = 10' V	SHEET NO. OF SHEETS	STA. 5018+00.00 TO STA. 5019+00.00
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	561
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME -	DESIGNED - JDF	REVISED -
PLOT SCALE -	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

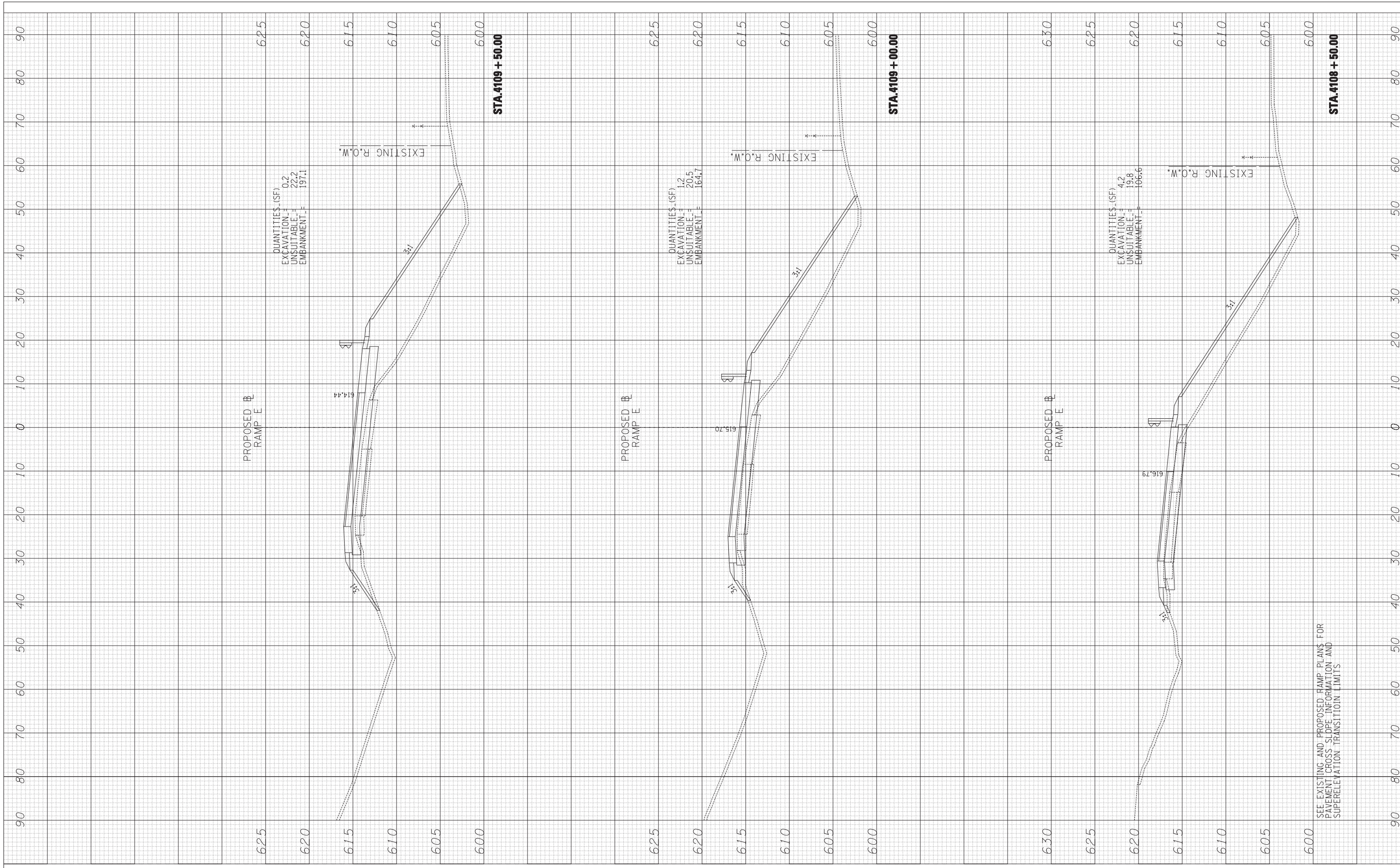
**147TH STREET PROJECT
PROPOSED RAMP E CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 4107+00.00 TO STA. 4108+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	502
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

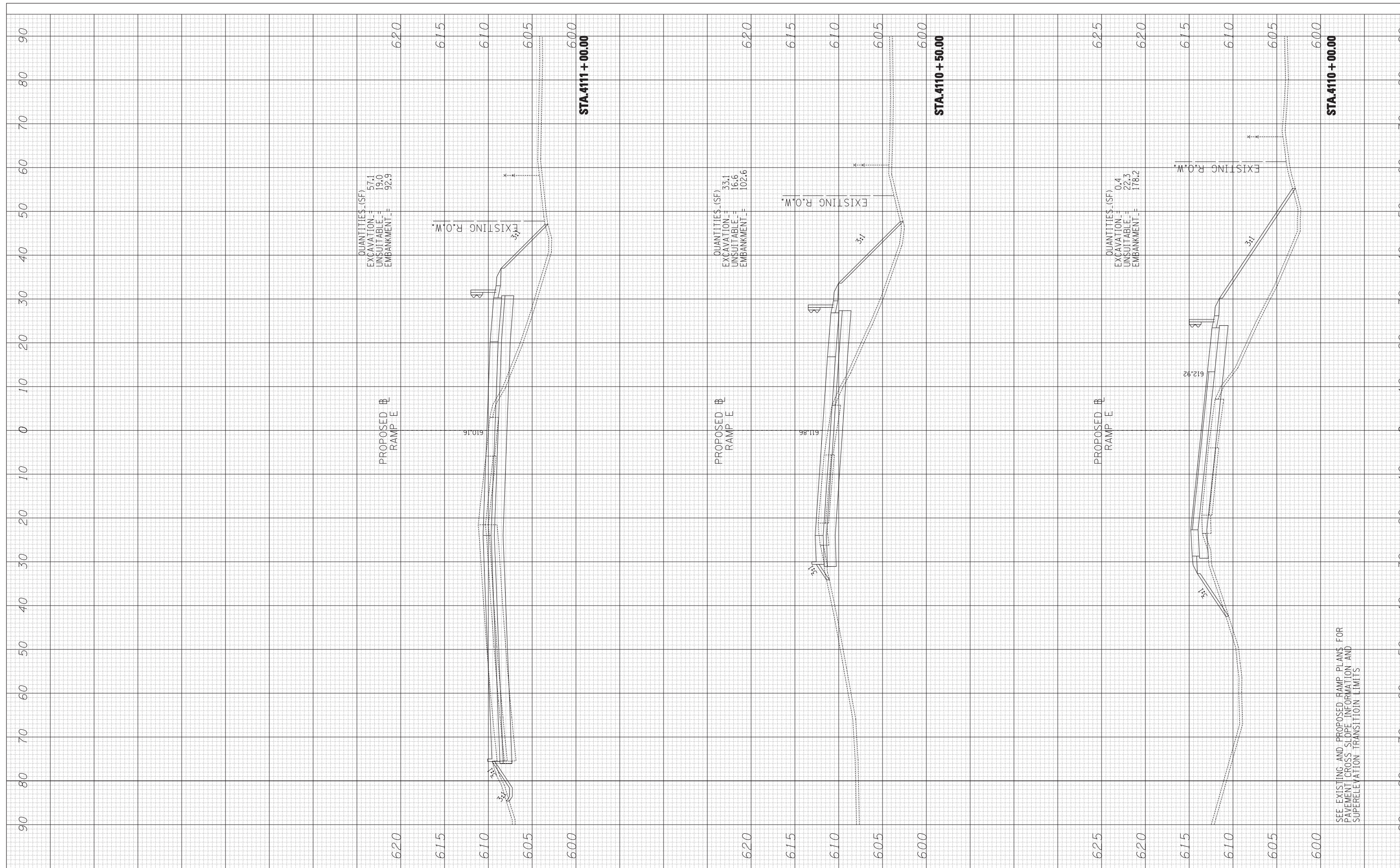
**147TH STREET PROJECT
PROPOSED RAMP E CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 4108+50.00 TO STA. 4109+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	563
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



QUANTITIES (SF)
 EXCAVATION = 57.1
 UNSUITABLE = 19.0
 EMBANKMENT = 92.9

QUANTITIES (SF)
 EXCAVATION = 33.1
 UNSUITABLE = 16.6
 EMBANKMENT = 102.6

QUANTITIES (SF)
 EXCAVATION = 0.4
 UNSUITABLE = 22.3
 EMBANKMENT = 178.2

SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

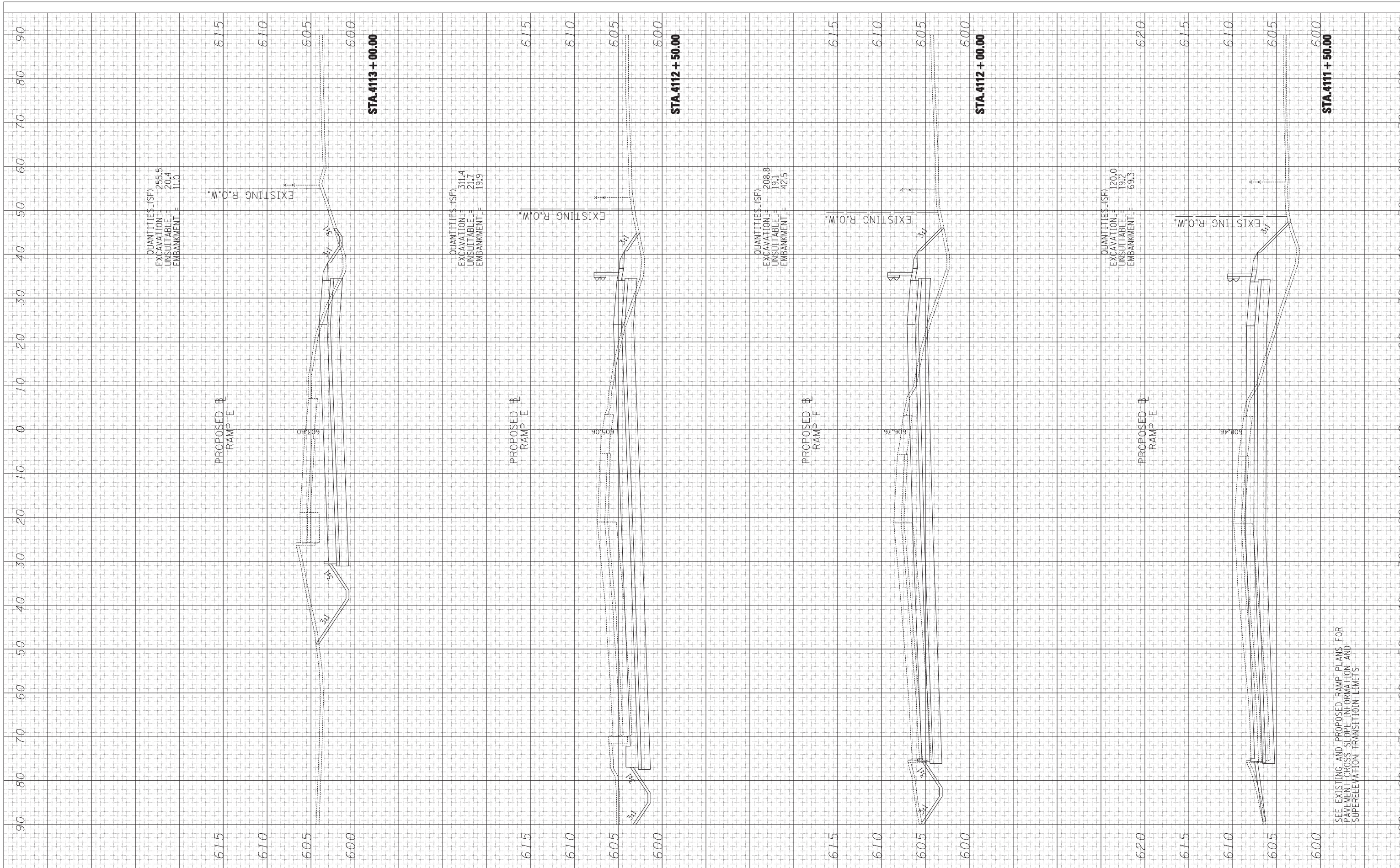
**147TH STREET PROJECT
 PROPOSED RAMP E CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 4110+00.00 TO STA. 4111+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	564
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

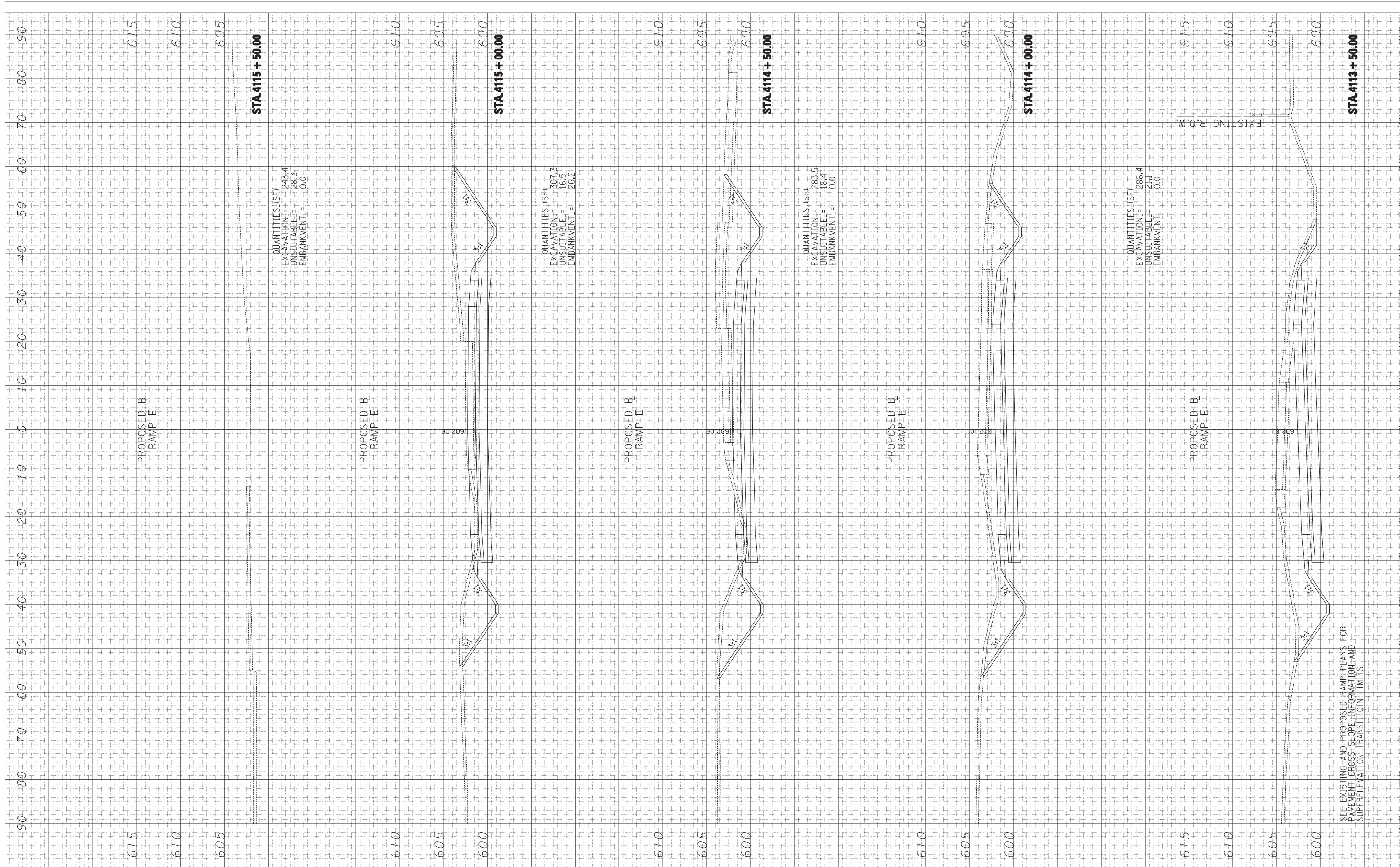
**147TH STREET PROJECT
PROPOSED RAMP E CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 4111+50.00 TO STA. 4113+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	565
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME -	DESIGNED - JDF	REVISED -
PLOT SCALE -	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

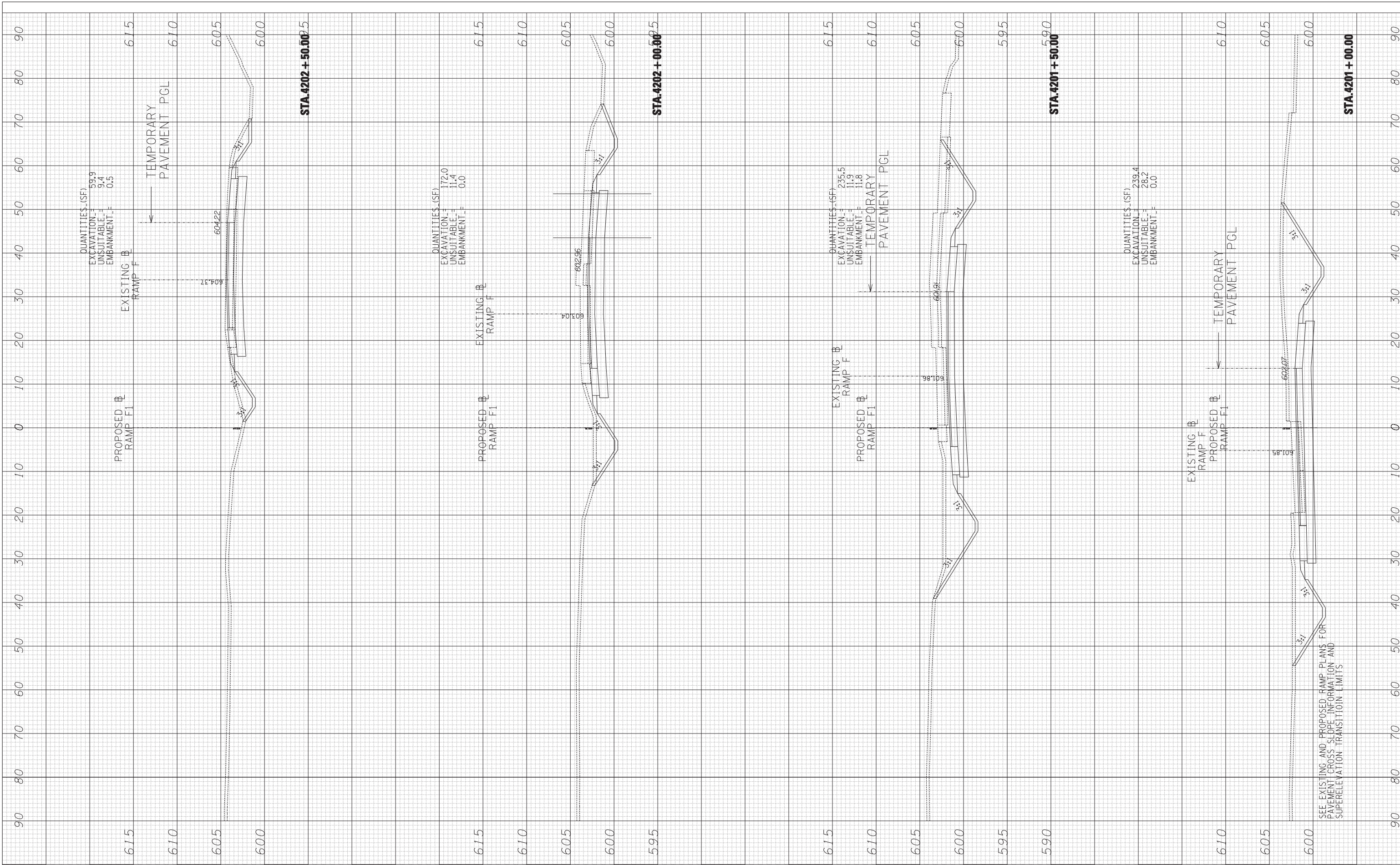
147TH STREET PROJECT
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 4113+50.00 TO STA. 4115+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	566
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS-SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

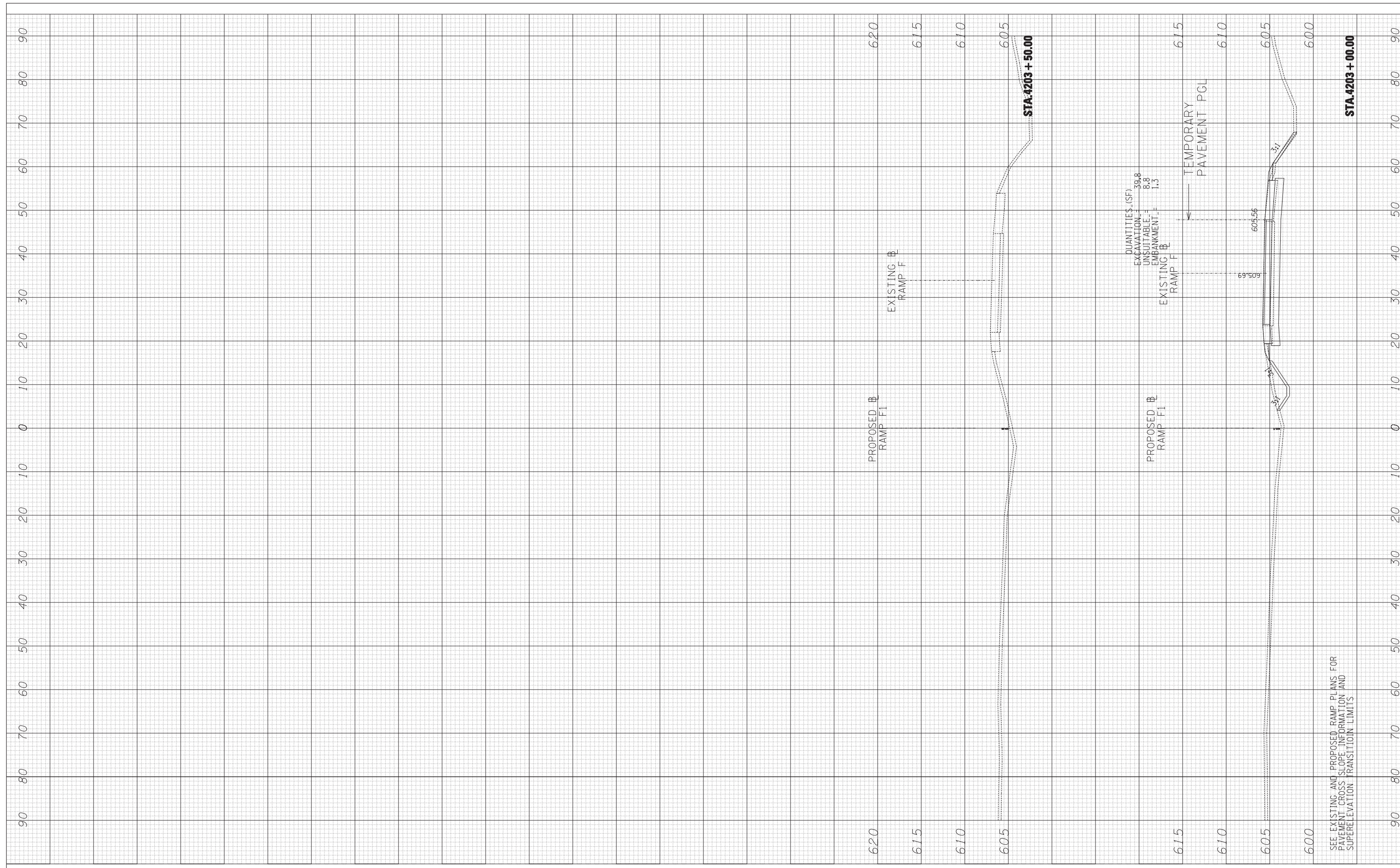
147TH STREET PROJECT
PROPOSED RAMP F CROSS SECTIONS

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 4201+00.00 TO STA. 4202+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	567
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

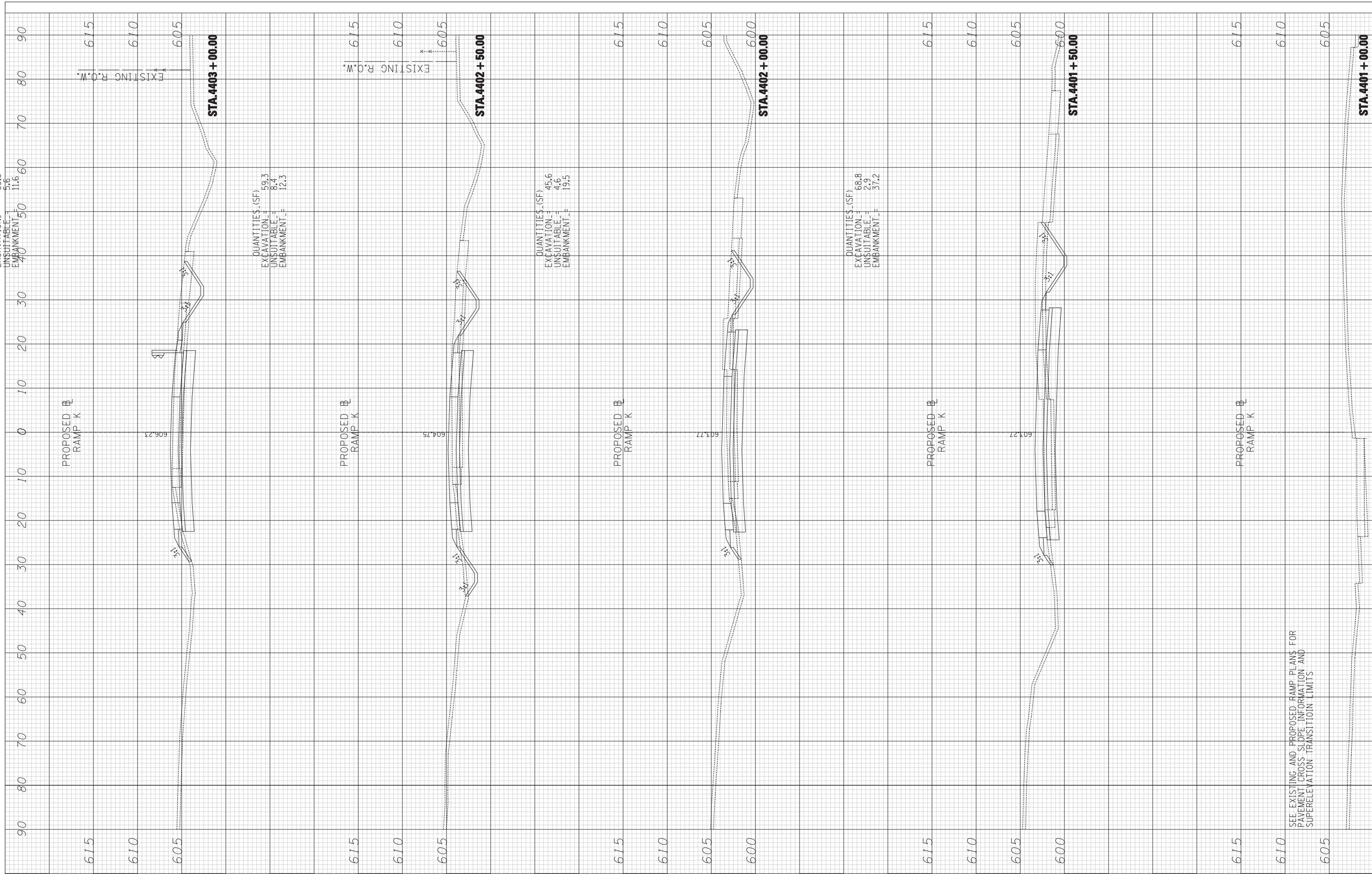
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT		F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROPOSED RAMP F CROSS SECTIONS		XX	(0405-1 & 0506-2) R-1	COOK	577	568
SCALE: 1" = 10' V		SHEET NO. OF SHEETS		CONTRACT NO. 60M57		
STA. 4203+00.00 TO STA. 4203+50.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

FINAL SURVEY NO.	BY	DATE
SURVEYED PLOTTED TEMPLATE AREAS CHECKED		
NOTE BOOK NO.		
QUANTITIES (SF)		
EXCAVATION	55.3	
EMBANKMENT	5.6	
UNSHITTABLE	11.6	

ORIGINAL SURVEY NO.	BY	DATE
SURVEYED PLOTTED TEMPLATE AREAS CHECKED		
NOTE BOOK NO.		
QUANTITIES (SF)		
EXCAVATION		
EMBANKMENT		
UNSHITTABLE		



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS-SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME	- JDF	DESIGNED	- JDF	REVISED	-
PLOT SCALE	-	DRAWN	- JDF	REVISED	-
PLOT DATE	-	CHECKED	- JPM	REVISED	-
	-	DATE	- 6/19/2011	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

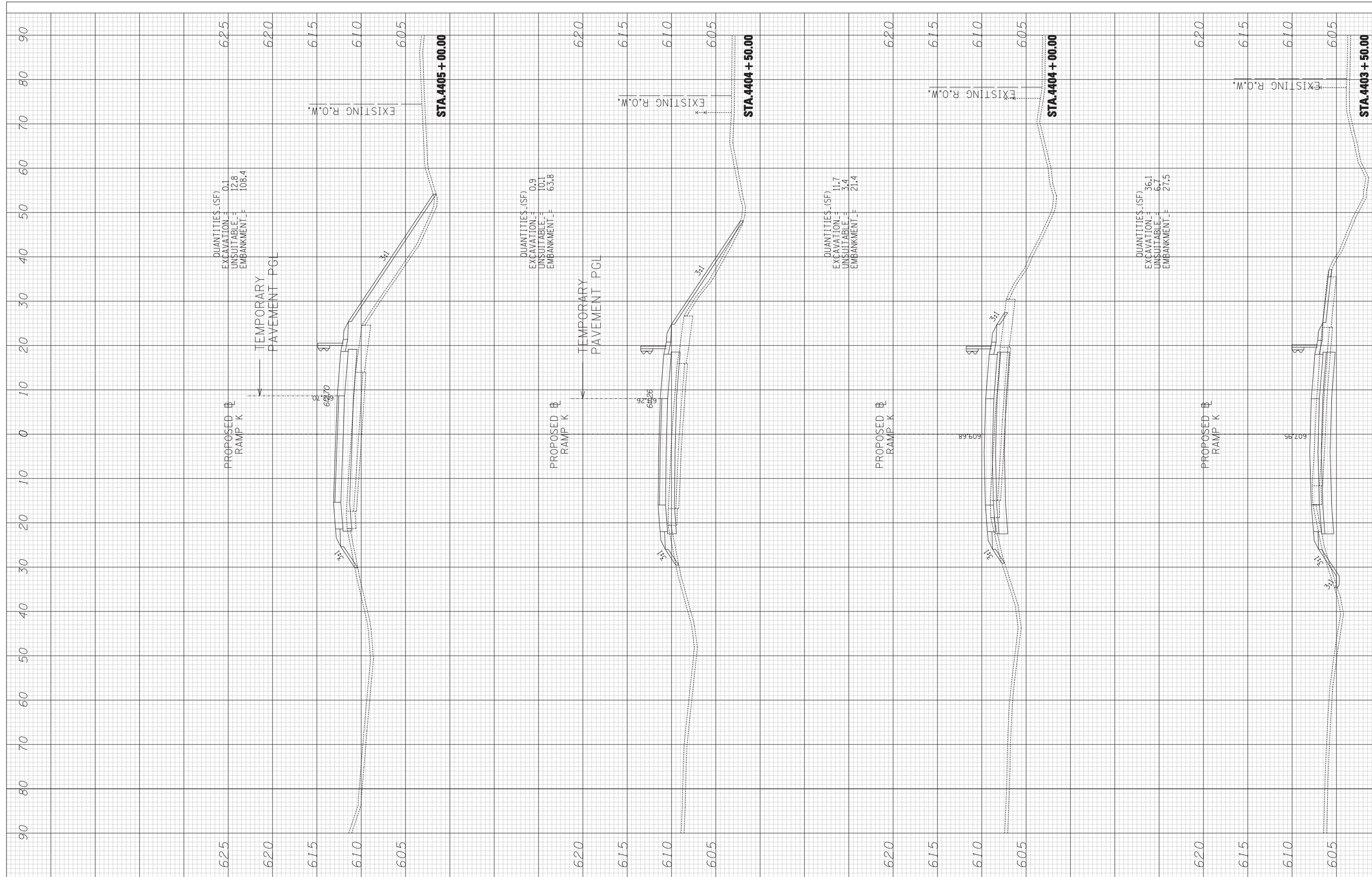
147TH STREET PROJECT
PROPOSED RAMP K CROSS SECTIONS

SCALE: 1" = 10' V, 1" = 100' H
SHEET NO. OF SHEETS STA. 4401+00.00 TO STA. 4403+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	569
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

FINAL SURVEY NO.	SURVEY PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEY PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



QUANTITIES (SF)
 EXCAVATION = 0.1
 UNSUITABLE = 12.8
 EMBANKMENT = 108.4

QUANTITIES (SF)
 EXCAVATION = 0.9
 UNSUITABLE = 10.1
 EMBANKMENT = 63.8

QUANTITIES (SF)
 EXCAVATION = 11.7
 UNSUITABLE = 3.4
 EMBANKMENT = 21.4

QUANTITIES (SF)
 EXCAVATION = 36.1
 UNSUITABLE = 6.7
 EMBANKMENT = 27.5

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

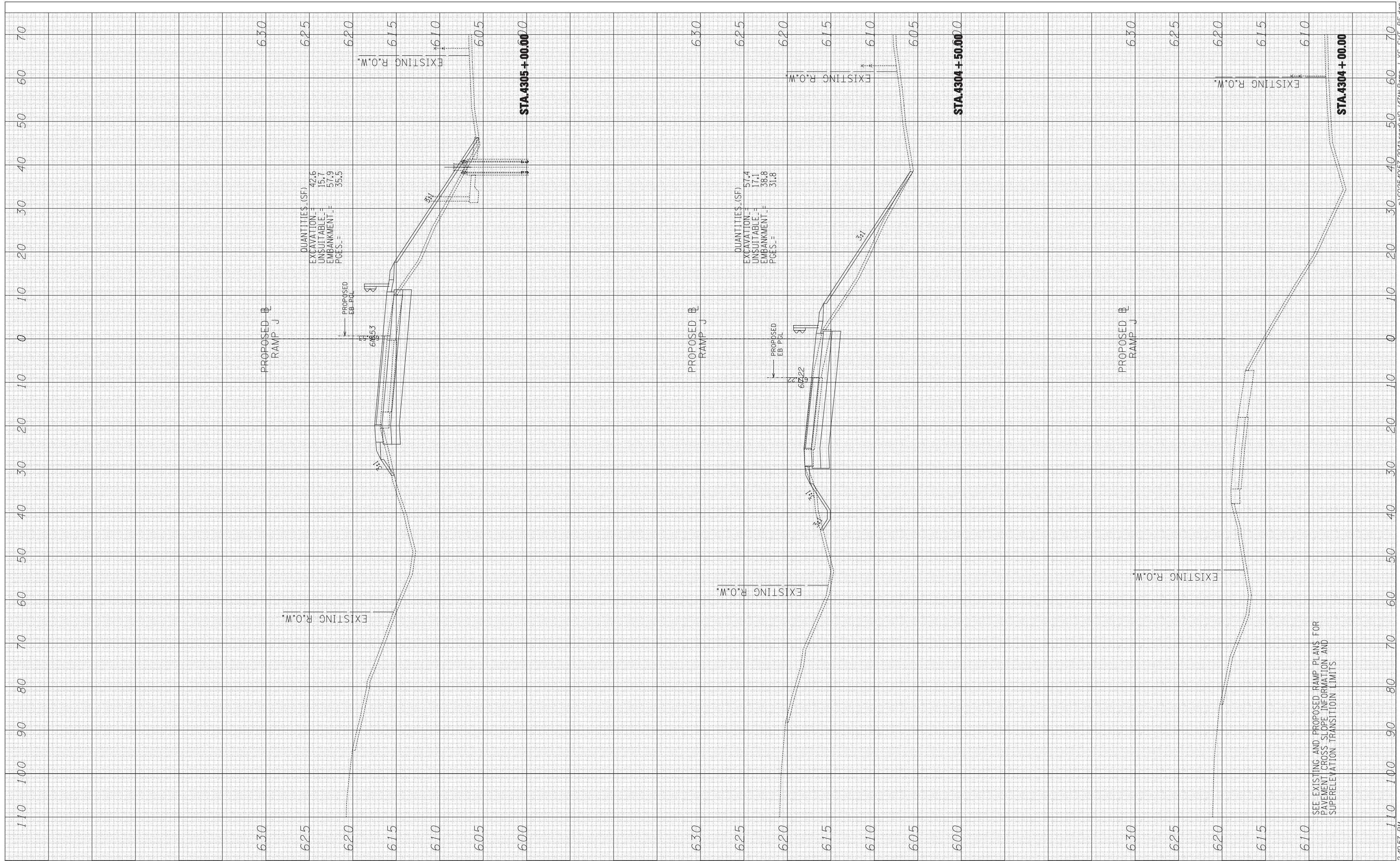
**147TH STREET PROJECT
 PROPOSED RAMP K CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	570
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

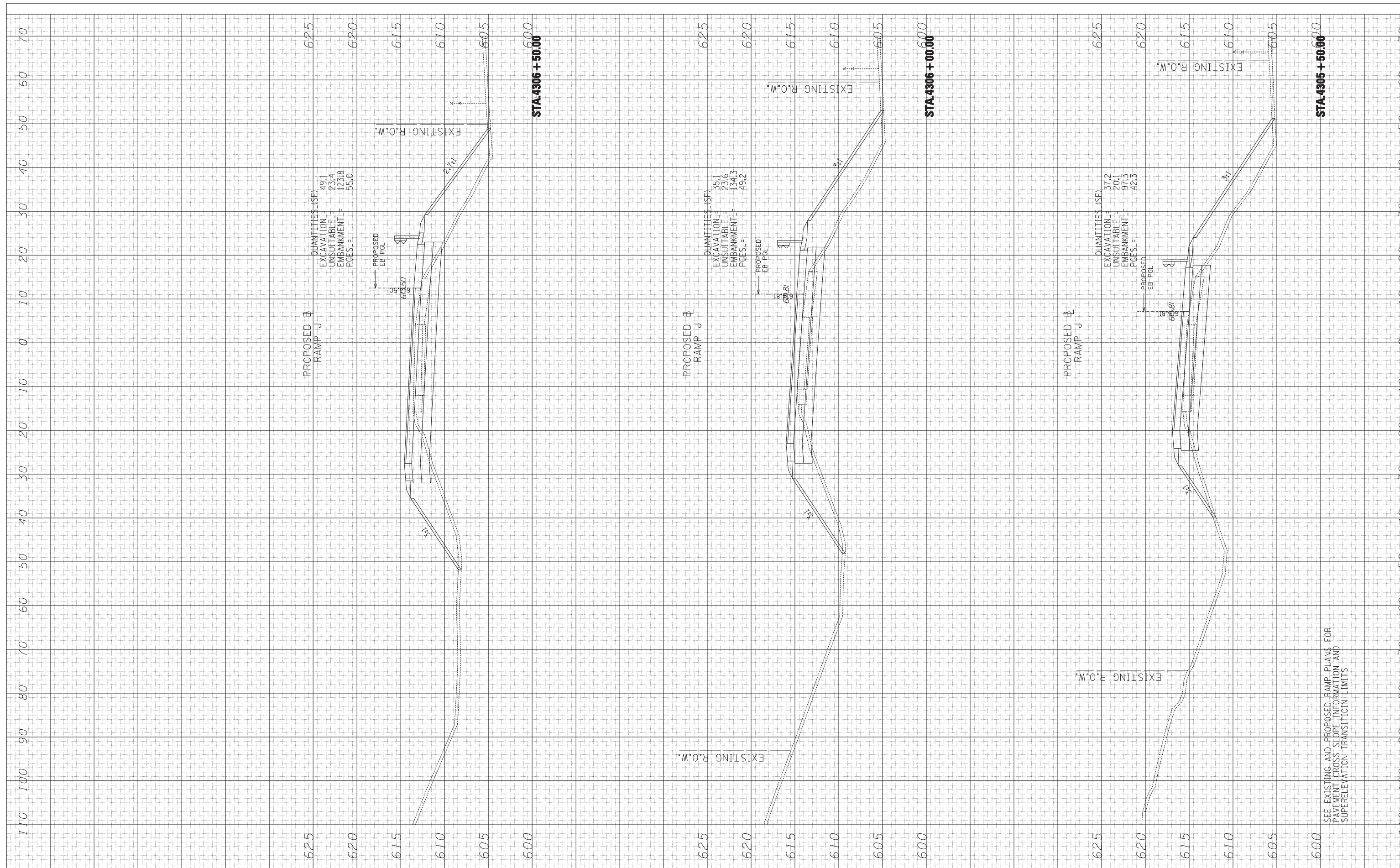
**147TH STREET PROJECT
PROPOSED RAMP J CROSS SECTIONS**

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 4304+00.00 TO STA. 4305+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	571
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

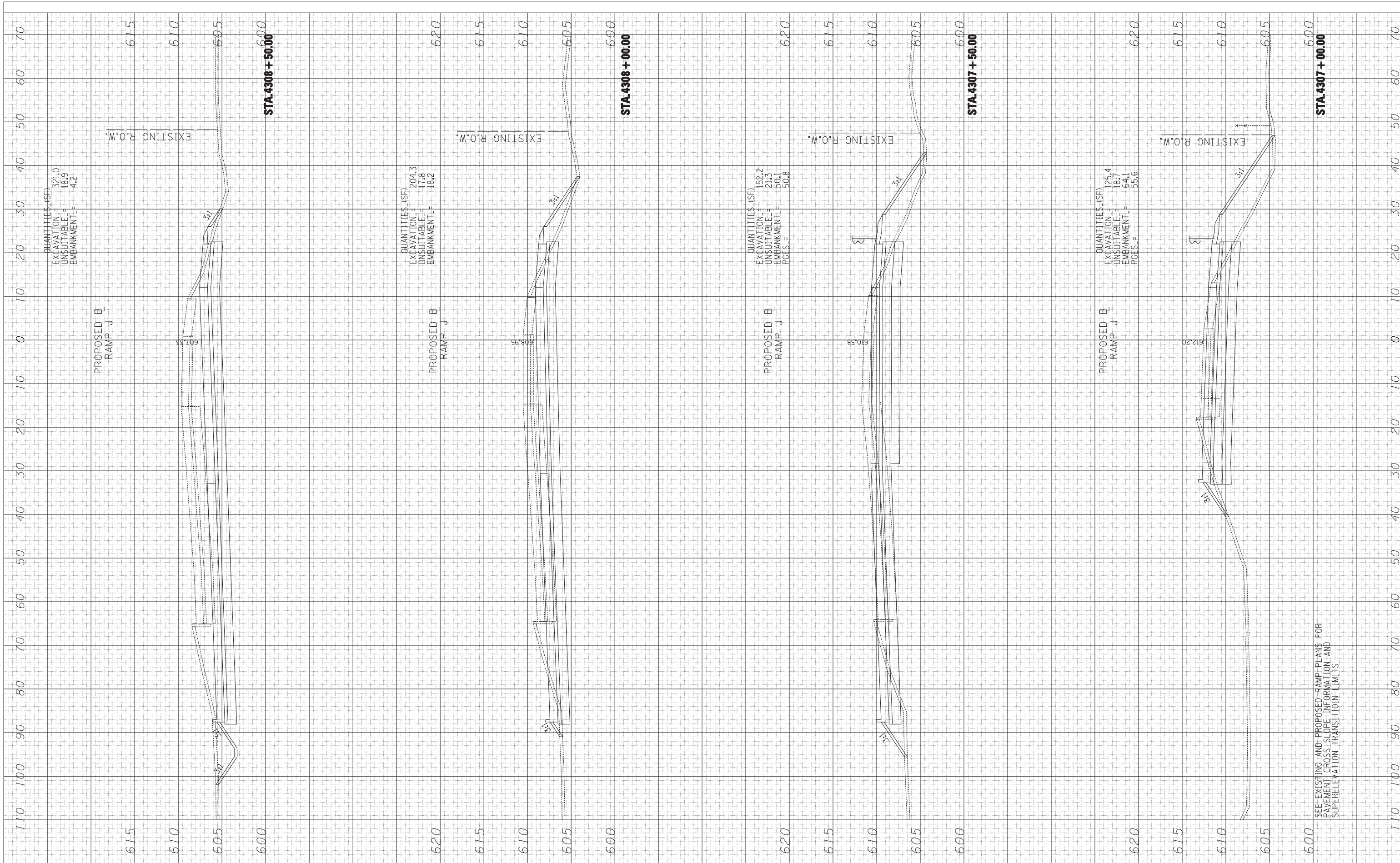
**147TH STREET PROJECT
PROPOSED RAMP J CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 10' H SHEET NO. OF SHEETS STA. 4305+50.00 TO STA. 4306+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	572
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

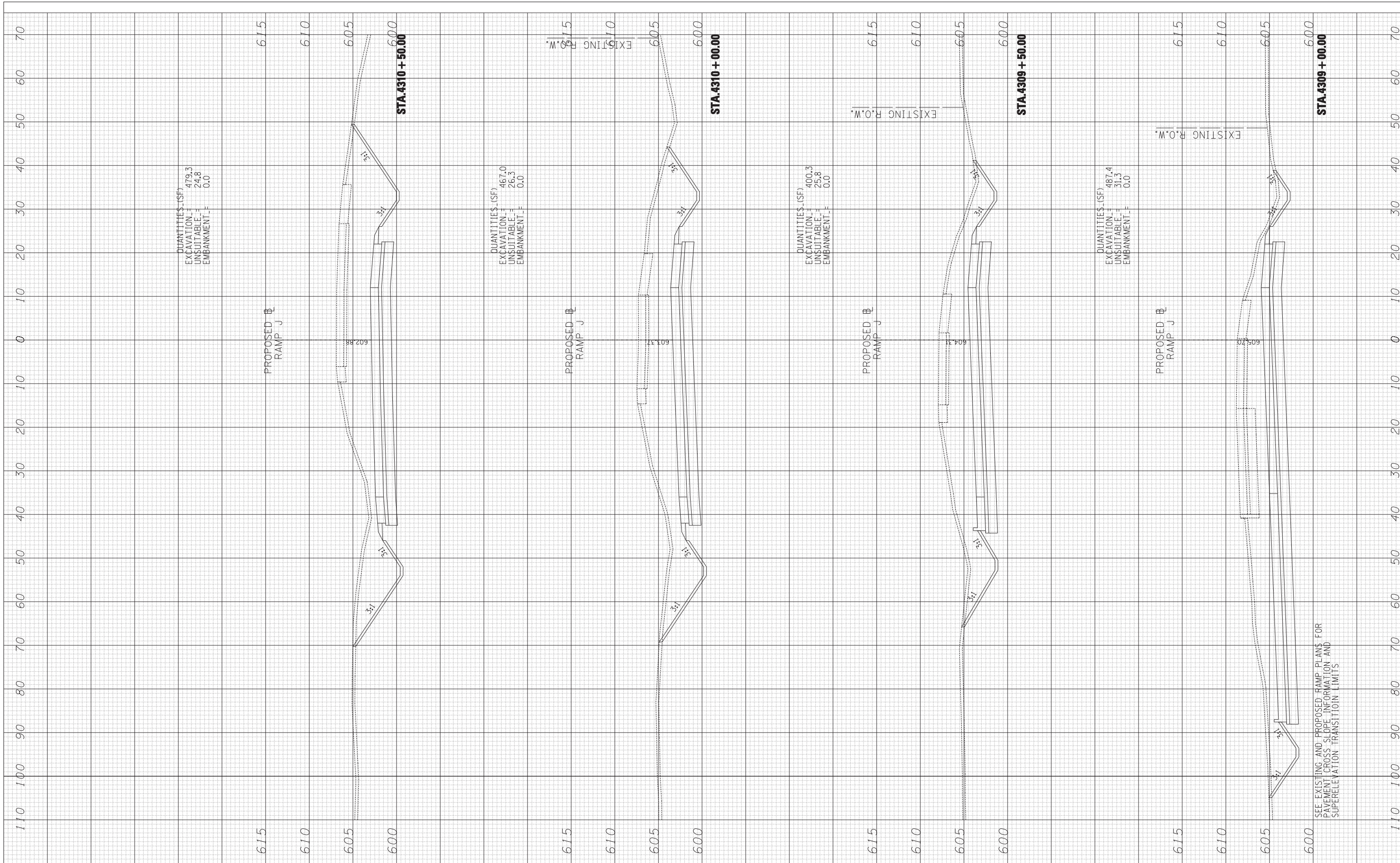
147TH STREET PROJECT
PROPOSED RAMP J CROSS SECTIONS

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 4307+00.00 TO STA. 4308+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	573
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



QUANTITIES (SF)
 EXCAVATION = 479.3
 UNSUITABLE = 24.8
 EMBANKMENT = 0.0

QUANTITIES (SF)
 EXCAVATION = 467.0
 UNSUITABLE = 26.3
 EMBANKMENT = 0.0

QUANTITIES (SF)
 EXCAVATION = 400.3
 UNSUITABLE = 25.8
 EMBANKMENT = 0.0

QUANTITIES (SF)
 EXCAVATION = 487.4
 UNSUITABLE = 31.3
 EMBANKMENT = 0.0

SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
 PROPOSED RAMP J CROSS SECTIONS

SCALE: 1" = 10' H SHEET NO. OF SHEETS STA. 4309+00.00 TO STA. 4310+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	574
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

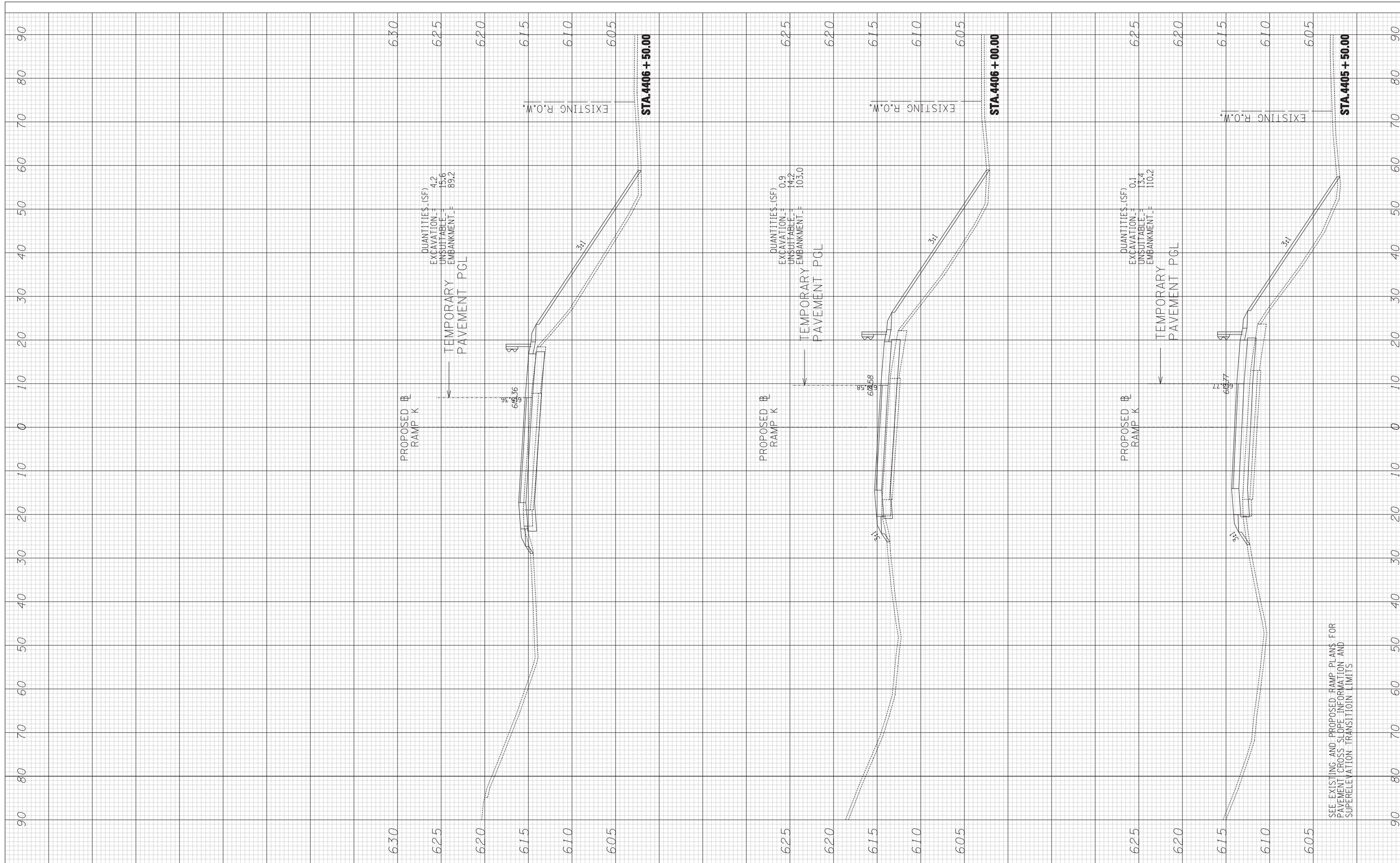
**147TH STREET PROJECT
PROPOSED RAMP J CROSS SECTIONS**

SCALE: 1" = 10' V, 1" = 100' H SHEET NO. OF SHEETS STA. 4311+00.00 TO STA. 4311+00.00

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	575
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60M57

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



SEE EXISTING AND PROPOSED RAMP PLANS FOR PAVEMENT CROSS SLOPE INFORMATION AND SUPERELEVATION TRANSITION LIMITS

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED -
PLOT SCALE =	DRAWN - JDF	REVISED -
PLOT DATE	CHECKED - JPM	REVISED -
	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

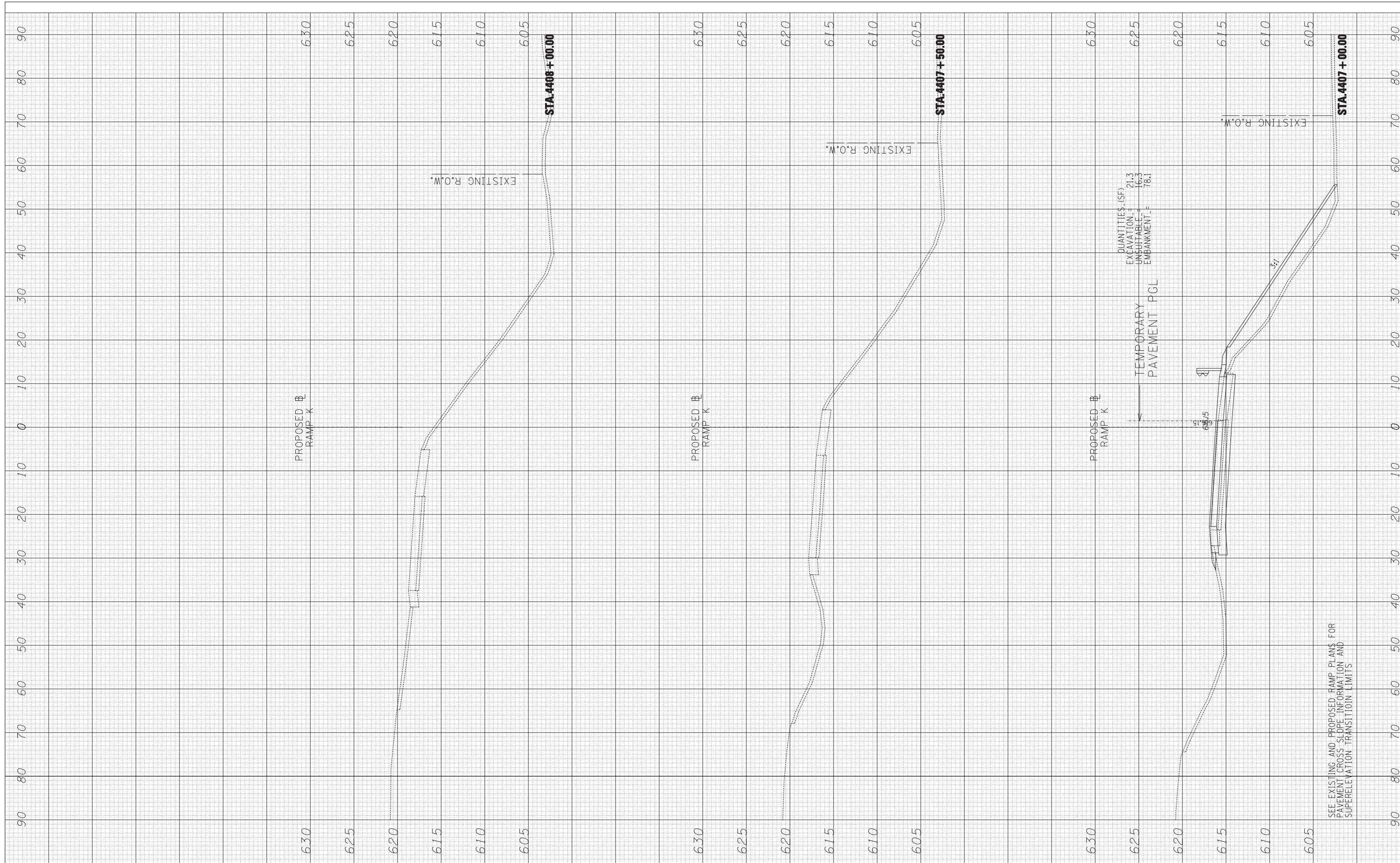
**147TH STREET PROJECT
PROPOSED RAMP K CROSS SECTIONS**

SCALE: 1" = 10' V^H SHEET NO. OF SHEETS STA. 4405+50.00 TO STA. 4406+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	576
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



TYLIN INTERNATIONAL	USER NAME -	DESIGNED - JDF	REVISED -
		DRAWN - JDF	REVISED -
	PLOT SCALE -	CHECKED - JPM	REVISED -
	PLOT DATE	DATE - 6/19/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT PROPOSED RAMP K CROSS SECTIONS			
SCALE: 1" = 10' V, 1" = 100' H	SHEET NO.	OF SHEETS	STA. 4407+00.00 TO STA. 4408+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	534	577
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 305 Arroyo Court, Suite 204 Naperville, Illinois 60563 (830) 355-1830		SOIL BORING LOG		PAGE 1 of 1	
ROUTE I-294 & I-57		DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)		DATE 3/01/2012	
SECTION --		LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM		LOGGED BY MD	
COUNTY Cook		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE Diedrich Safety	
STRUCT. NO. --		Surface Water Elev. n/a		D E P T H (ft)	
Station --		Stream Bed Elev. n/a		B L O S S (blows)	
BORING NO. LTB-01		Groundwater Elevation:		U C S (%)	
Station: 1291+70		First Encounter 584.7		M O I S T (moist)	
Offset: 145.0' Left		Upon Completion 588.2			
Ground Surface Elev. 808.2		After Hrs.			
Clayey TOPSOIL-dark brown to black	807.2	AS	-	18	
		5			
		8			
		9	4.25P	15	
CLAY LOAM-dark brown, gray & black-very stiff to hard (A-6) Fill		4			
		4			
	802.7	-5	5	2.75P	20
SILTY CLAY-brown & gray-very stiff (A-6)		1			
		5			
	800.2	4	1.75P	20	
SILT-gray-medium dense (A-4)		1			
		3			
	597.7	-10	14	NP	20
SILTY LOAM-gray-very dense (A-4)		12			
		26			
	595.2	38	NP	12	
FRACTURED ROCK-gray-very dense (A-1)		32			
		44			
	592.7	-15	33	NP	5
CLAY LOAM-gray-hard (A-6)		8		122	
		15			
	590.2	7	7.3P	11	
SILT-gray-very dense (A-4)		10			
		32			
		-20	31	4.5P	21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SD-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D206) The Unit Dry Weight (pcf) is noted in italics above moist (%) NI-No Recovery

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 305 Arroyo Court, Suite 204 Naperville, Illinois 60563 (830) 355-1830		SOIL BORING LOG		PAGE 1 of 1	
ROUTE I-294 & I-57		DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)		DATE 2/29/2012	
SECTION --		LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM		LOGGED BY MD	
COUNTY Cook		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE Diedrich Safety	
STRUCT. NO. --		Surface Water Elev. n/a		D E P T H (ft)	
Station --		Stream Bed Elev. n/a		B L O S S (blows)	
BORING NO. LTB-02		Groundwater Elevation:		U C S (%)	
Station: 1291+74		First Encounter 589.9		M O I S T (moist)	
Offset: 155.5' Right		Upon Completion 589.4			
Ground Surface Elev. 808.4		After Hrs.			
Clayey TOPSOIL-dark brown to black	807.4	AS	-	25	
		3		126	
		9			
		10	4.5P	13	
Fine SAND-gray-dense (A-2/A-3)					
	585.4				
CLAY LOAM-brown & gray-very stiff to hard (A-6) Fill		10			
		10			
		12			
	582.9	-5	8	3.5P	18
SILTY SAND-gray-dense (A-2)					
	582.9				
CLAY LOAM-brown & gray-very stiff (A-6)		4		113	
		5			
	589.4	4	1.5P	17	
Fine SAND-gray-very dense (A-2/A-3)					
	589.4				
SANDY LOAM-gray-very dense (A-2)		7		50/17	
SILTY LOAM-gray-medium dense (A-4)		15			
	587.9	-10	14	NP	16
End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer					
		13			
		30			
	589.9	30/17	NP	12	
SILTY LOAM-gray-very dense (A-4)					
		29			
		30/17			
	589.9	-15	NP	12	
		24			
		35			
		37	NP	13	
Fine SAND-gray-dense (A-2/A-3)					
		9			
		15			
		-20	18	NP	23

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SD-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D206) The Unit Dry Weight (pcf) is noted in italics above moist (%) NI-No Recovery

TYLIN INTERNATIONAL

USER NAME -	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE -	CHECKED -	REVISED -
PLOT DATE -	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
BORING LOG 1

SCALE: SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	577a
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAGE 1 of 1

SOIL BORING LOG

DATE 3/01/2012

LOGGED BY MD

JOB NUMBER P-91-186-08 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)

SECTION - LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. -

Station -

BORING NO. LTB-03

Station: 1288+18

Offset: 150.5' Left

Ground Surface Elev. 603.0

D E P T H (ft)	B L O W S (#)	U C S (pcf)	M O I S T (%)	Surface Water Elev. <u>n/a</u>		D E P T H (ft)	B L O W S (#)	U C S (pcf)	M O I S T (%)
				Stream Bed Elev. <u>n/a</u>	Groundwater Elevation:				
				First Encounter	<u>587.0</u>				
				Upon Completion	<u>587.0</u>				
				After _____ Hrs.	<u>587.0</u>				
TOPSOIL-black				SILT-gray-dense (A-4) <u>582.5</u>					
<u>603.0</u>	AS	-	34						
	2						13		
	3						21		
	5	MP	19				34	4.5+P	11
				SILTY LOAM-gray-dense (A-4) <u>589.0</u>					
	4						13		
	9						21		
	-5	MP	21			-23	20	NP	9
				CLAY LOAM-gray-hard (A-4/A-6) <u>577.5</u>					
	6						6		
	14						15		
	16	MP	20				26	NP	5
				SAND & GRAVEL-gray-dense (A-1) <u>585.0</u>					
	6						12		
	12						15		
	-10	MP	20			-30	18	NP	8
				SILT LOAM-gray-dense (A-4) <u>573.0</u>					
	12			End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer					
	19								
	17	MP	18						
				CLAY LOAM-gray-dense (A-4/A-6) <u>580.0</u>					
	12								
	18								
	-15		9			-35			
				SILT-gray-dense (A-4) <u>587.5</u>					
	9								
	24								
	25	MP	19						
				SILT-gray-dense (A-4) <u>585.0</u>					
	18								
	29								
	-20	MP	19			-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-Blow, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Wave Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

PAGE 1 of 1

SOIL BORING LOG

DATE 2/28/2012

LOGGED BY MD

JOB NUMBER P-91-186-08 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)

SECTION - LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. -

Station -

BORING NO. LTB-04

Station: 1288+43

Offset: 157.0' Right

Ground Surface Elev. 603.8

D E P T H (ft)	B L O W S (#)	U C S (pcf)	M O I S T (%)	Surface Water Elev. <u>n/a</u>		D E P T H (ft)	B L O W S (#)	U C S (pcf)	M O I S T (%)
				Stream Bed Elev. <u>n/a</u>	Groundwater Elevation:				
				First Encounter	<u>585.4</u>				
				Upon Completion	<u>584.9</u>				
				After _____ Hrs.	<u>584.9</u>				
Clayey TOPSOIL-dark brown to black				SILT LOAM-gray-medium dense to dense (A-4) <u>578.4</u>					
<u>603.8</u>	AS	-	18						
	5						8		
	10						12		
	12	4.5+P	14				14	NP	19
				CLAY LOAM-brown-hard (A-6) Fill <u>600.9</u>					
	7						8		
	9						14		
	-5	1.3	-	22			-23	18	NP
				SILTY CLAY LOAM-gray-medium dense (A-4) <u>588.4</u>					
	9						11		
	13						22		
	15	8.3P	11				26	NP	22
				CLAY LOAM-gray-hard (A-6) <u>578.4</u>					
	9						13		
	13						21		
	-10	11	5.8P	12			-30	29	NP
				SANDY LOAM-gray-dense (A-2) <u>588.4</u>					
	15			End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer					
	23								
	28	NP	12						
				SILT-gray-dense (A-4) <u>588.4</u>					
	17								
	26								
	-15	28	NP	17			-35		
				CLAY LOAM to LOAM-gray-dense (A-4) <u>588.4</u>					
	10								
	14								
	23	4.5+P	9						
				SILT LOAM-gray-medium dense to dense (A-4) <u>585.4</u>					
	12								
	16								
	-20	18	NP	20			-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-Blow, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Wave Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLIN INTERNATIONAL

USER NAME -	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE -	CHECKED -	REVISED -
PLOT DATE -	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
BORING LOG 2**

SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	577b
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60M57

SOIL BORING LOG

Geo Services, Inc. PAGE 1 of 1
 Geotechnical, Environmental & Civil Engineering DATE 2/29/2012
 805 Arroyo Court, Suite 204 LOGGED BY MD
 Naperville, Illinois 60563 JOB NUMBER P-91-186-08
 (815) 355-3888 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)
 SECTION - LOCATION SEC 12, T 38 N, R 13 E, SE 1/4, 3rd PM
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. -
 Station -
 BORING NO. **LTB-05**
 Station: 1288+97
 Offset: 397.0' Right
 Ground Surface Elev. 606.3

DEPTH H (ft)	BLOW S (/ft)	U C S (pcf)	M O I S T (%)	Surface Water Elev. n/a				DEPTH H (ft)	BLOW S (/ft)	U C S (pcf)	M O I S T (%)
				Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter	Upon Completion				
0											
0	45	-	28								
8								31			
18								50/5			
24	NP	8							NP	8	
602.3											
16											
24								24			
25	NP	14						50/4			
589.8								-23	NP	8	
11											
16								41			
25	NP	8						50/3			
18											
18								31			
18								50/5			
585.3	10	NP	15					575.3	30	NP	8
18											
20											
24	NP	27									
14											
21											
26	NP	23						-35			
15											
25											
45	NP	20									
587.3											
34											
40											
2000/ft	NP	11						-40			

TOPSOIL-black
 SAND & GRAVEL-brown-dense (A-1)
 SILTY LOAM-gray-dense (A-4)
 SAND with Gravel-gray-dense (A-1)
 End Of Boring @ -30.0'
 Hollow Stem Augers
 Diedrich Safety Hammer
 Fine SAND-gray-dense to very dense (A-2/A-3)
 Silty SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SD-Dulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D1586) The Unit Dry Weight (pcf) is noted in italics above moist (MC)
 NR-No Recovery

SOIL BORING LOG

Geo Services, Inc. PAGE 1 of 1
 Geotechnical, Environmental & Civil Engineering DATE 3/15/2012
 805 Arroyo Court, Suite 204 LOGGED BY MD
 Naperville, Illinois 60563 JOB NUMBER P-91-186-08
 (815) 355-3888 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)
 SECTION - LOCATION SEC 12, T 38 N, R 13 E, SE 1/4, 3rd PM
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. -
 Station -
 BORING NO. **LTB-06**
 Station: 1285+52
 Offset: 433.0' Left
 Ground Surface Elev. 603.5

DEPTH H (ft)	BLOW S (/ft)	U C S (pcf)	M O I S T (%)	Surface Water Elev. n/a				DEPTH H (ft)	BLOW S (/ft)	U C S (pcf)	M O I S T (%)
				Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter	Upon Completion				
0											
2											
602.0	2									11	XX
2										21	
3	NP	18							24	NP	22
600.5											
3										11	
6										20	
11	-		12						23	NP	24
598.0											
7										24	
16										40	
18	NP	14							50/5	NP	22
13										17	
16										30	
21	NP	18							573.5	30	NP
593.0											
15											
26											
27	NP	20									
590.5											
8											
16											
17	NP	19									
12											
25											
27	NP	22									
12											
20											
22	NP	24									
587.0											
12											
20											
22	NP	24									
583.5											

16.0" ASPHALT
 LOAM-gray-loose (A-2/A-4) Fill
 SILTY CLAY LOAM-brown & gray-medium dense (A-4) Possible Fill
 SILTY LOAM-gray-dense (A-4)
 End Of Boring @ -30.0'
 Hollow Stem Augers
 Diedrich Safety Hammer
 SILT-gray-dense (A-4)
 Fine SAND-gray-dense to very dense (A-2/A-3)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SD-Dulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D1586) The Unit Dry Weight (pcf) is noted in italics above moist (MC)
 NR-No Recovery

TYLIN INTERNATIONAL

USER NAME -	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE -	CHECKED -	REVISED -
PLOT DATE -	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
 BORING LOG 3

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	577c
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAGE 1 of 1

SOIL BORING LOG

DATE 2/29/2012

LOGGED BY MD

JOB NUMBER P-91-186-06 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)

SECTION - LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. - Station -

BORING NO. LTB-07 Station: 1284138 Offset: 138.0' Left Ground Surface Elev. 806.6

Description	Depth (ft)	Blow Count (blows/ft)	Moisture (%)	Soil Description	Depth (ft)	Blow Count (blows/ft)	Moisture (%)	Elevations	
								Surface Water	Stream Bed
Clayey TOPSOIL-dark brown to black	0-2	AS	-		0-2			n/a	n/a
CRUSHED STONE, BRICK & SAND-medium dense (F1)	2-10	NP	18	Silty SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2)	2-10				
SILTY CLAY-brown & gray-stiff (A-6)	10-20	1.58	20		10-20				
SILT-gray-dense (A-4)	20-30	NP	17	SILTY LOAM-gray-medium dense to dense (A-4)	20-30				
Fine SAND-gray-dense (A-2/A-3)	30-41	NP	8		30-41				
Silty SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2)	41-40	NP	8		41-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test. The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D2063). The Unit Dry Weight (pcf) is noted in italics above moist (%). NR-No Recovery.

PAGE 1 of 1

SOIL BORING LOG

DATE 2/28/2012

LOGGED BY MD

JOB NUMBER P-91-186-06 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)

SECTION - LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. - Station -

BORING NO. LTB-08 Station: 1284138 Offset: 159.7' Right Ground Surface Elev. 806.4

Description	Depth (ft)	Blow Count (blows/ft)	Moisture (%)	Soil Description	Depth (ft)	Blow Count (blows/ft)	Moisture (%)	Elevations	
								Surface Water	Stream Bed
TOPSOIL-black	0-4	AS	-		0-4			n/a	n/a
CLAY LOAM-brown & gray-very stiff (A-5)	4-6	2.0P	17	SAND & GRAVEL-gray-dense to very dense (A-1)	4-6				
SILTY LOAM-gray-medium dense (A-4)	6-10	NP	12	SILTY SAND with Gravel-gray-dense (A-2)	6-10				
SILTY SAND & GRAVEL-brown & gray-very dense (A-2)	10-20	NP	7	Fine SAND-gray-dense (A-2/A-3)	10-20				
SAND & GRAVEL-gray-very dense (A-1)	20-30	NP	6	SANDY LOAM-gray-dense (A-2)	20-30				
CLAYEY SAND & GRAVEL-gray-very dense (A-2)	30-38	NP	7		30-38				
SAND & GRAVEL-gray-dense to very dense (A-1)	38-40	NP	11		38-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test. The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D2063). The Unit Dry Weight (pcf) is noted in italics above moist (%). NR-No Recovery.

TYLIN INTERNATIONAL	USER NAME -	DESIGNED -	REVISED -
	PLOT SCALE -	CHECKED -	REVISED -
	PLOT DATE -	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
BORING LOG 4**

SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	577d
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SOIL BORING LOG

PAGE 1 of 1
DATE 3/15/2012
LOGGED BY MD
JOB NUMBER P-91-186-08
GSI JOB No. 08015

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
305 Arsenal Court, Suite 204
Naperville, Illinois 60563
(830) 355-1830

ROUTE 1-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)
SECTION -- LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. --
Station --
BORING NO. **LTB-09**
Station: **1280+51**
Offset: **154.0' Left**
Ground Surface Elev. **814.0**

DEPTH (ft)	BLOW COUNT (10ft)	U.C.S. (psi)	M.O.S. (%)	DEPTH (ft)	BLOW COUNT (10ft)	U.C.S. (psi)	M.O.S. (%)	Surface Water Elev.	DEPTH (ft)	BLOW COUNT (10ft)	U.C.S. (psi)	M.O.S. (%)
								ft/a				
								Stream Bed Elev. 75/a				
								Groundwater Elevation:				
								First Encounter 593.0				
								Upon Completion 584.0				
								After _____ Hrs.				
15.0'								CLAY LOAM-gray-hard (A-6) 593.5				
	3				12							
	3				22							
	5		15		25	NP	21					
	2		117		14			Fine SAND-gray-dense to very dense (A-2/A-3)				
	5				22							
	5	4.8B	15		20	NP	18	CLAY to CLAY LOAM-brown & gray-hard (A-6) Fill				
	3		114		9							
	6				29							
	5	6.5B	18		34	NP	18					
	3		115		24			SAND-gray-very dense (A-3)				
	5				38							
	10	6.2B	16		40	NP	16					
	3		88					End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer				
	5											
	7	3.25B	24									
	3		104									
	4											
	15	4.25B	22		35							
	4											
	16											
	19	4.5+P	10									
	17		128									
	19	8.05B										
	20	10.6B	11		40							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D208) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR-No Recovery

SOIL BORING LOG

PAGE 1 of 1
DATE 2/28/2012
LOGGED BY MD
JOB NUMBER P-91-186-08
GSI JOB No. 08015

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
305 Arsenal Court, Suite 204
Naperville, Illinois 60563
(830) 355-1830

ROUTE 1-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)
SECTION -- LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. --
Station --
BORING NO. **LTB-10**
Station: **1280+50**
Offset: **209.5' Right**
Ground Surface Elev. **806.6**

DEPTH (ft)	BLOW COUNT (10ft)	U.C.S. (psi)	M.O.S. (%)	DEPTH (ft)	BLOW COUNT (10ft)	U.C.S. (psi)	M.O.S. (%)	Surface Water Elev.	DEPTH (ft)	BLOW COUNT (10ft)	U.C.S. (psi)	M.O.S. (%)
								ft/a				
								Stream Bed Elev. 75/a				
								Groundwater Elevation:				
								First Encounter 592.6				
								Upon Completion 585.6				
								After _____ Hrs.				
								TOPSOIL-black 806.6				
	AS		15					SAND-gray-dense (A-3) 586.7				
	4				15							
	4				23			CLAY LOAM-dark brown, gray & black-very stiff (A-6) Fill				
	4	3.0P	16		21	NP	9					
								SAND-gray-very dense (A-3)				
	10				28							
	22				40		18	SANDY LOAM-brown & gray-dense (A-2)				
	25	NP	10		25	NP	6					
	10				30/3*			Fine SAND-gray-dense (A-2/A-3)				
	18											
	21	NP	11					SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-1)				
	14				30/4*							
	20											
	22	NP	2		30/4*							
	10							End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer				
	21											
	24	NP	20					SAND-gray-dense (A-3)				
	13											
	19											
	21	NP	20		35							
	12											
	17											
	21	NP	24									
	13											
	16											
	20	NP	18		40							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D208) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR-No Recovery

TYLIN INTERNATIONAL	USER NAME -	DESIGNED -	REVISED -
	DRAWN -	REVISOR -	REVISION -
	PLOT SCALE -	CHECKED -	REVISION -
	PLOT DATE -	DATE - 5/23/2012	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
BORING LOG 5**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	577e
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				