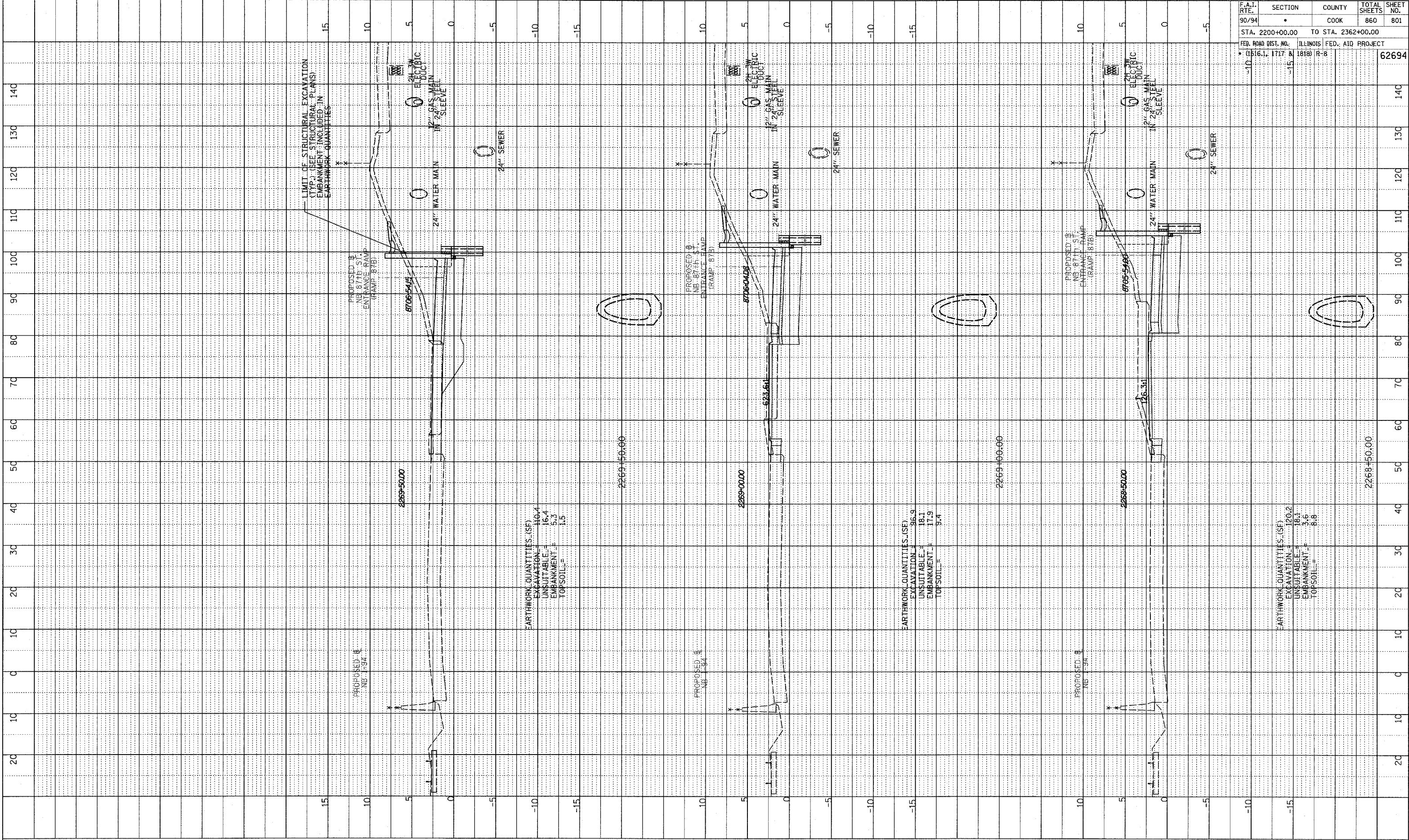
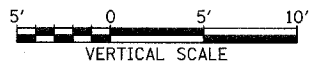
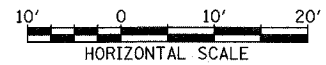


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 DATE: 11/11/94
 DRAWN BY: [blank]
 STRUCTURE NOTATION: 2180

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	801
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-8		62694		



TYLIN INTERNATIONAL

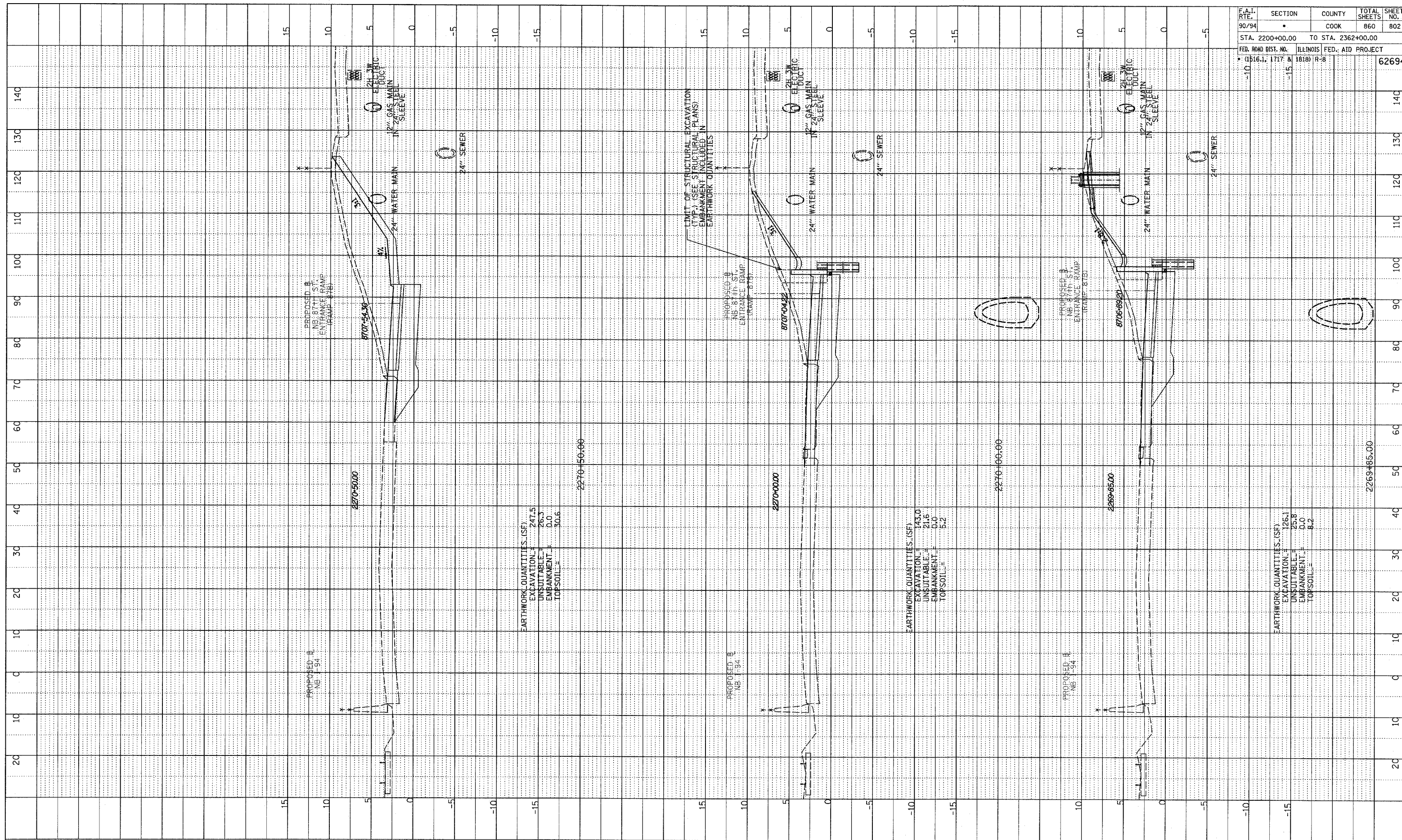


NB 87th ST. ENTRANCE RAMP
 STA. 2268+50 TO STA. 2269+50

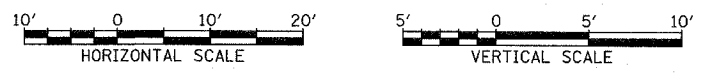
6/20/94 3:00pm c:\t\agk\l\ass\87b.f.dgn

PROFILE SURVEYED
 GRADES CHECKED
 DATE NOTED
 BY
 NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	802
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694



TYLIN INTERNATIONAL

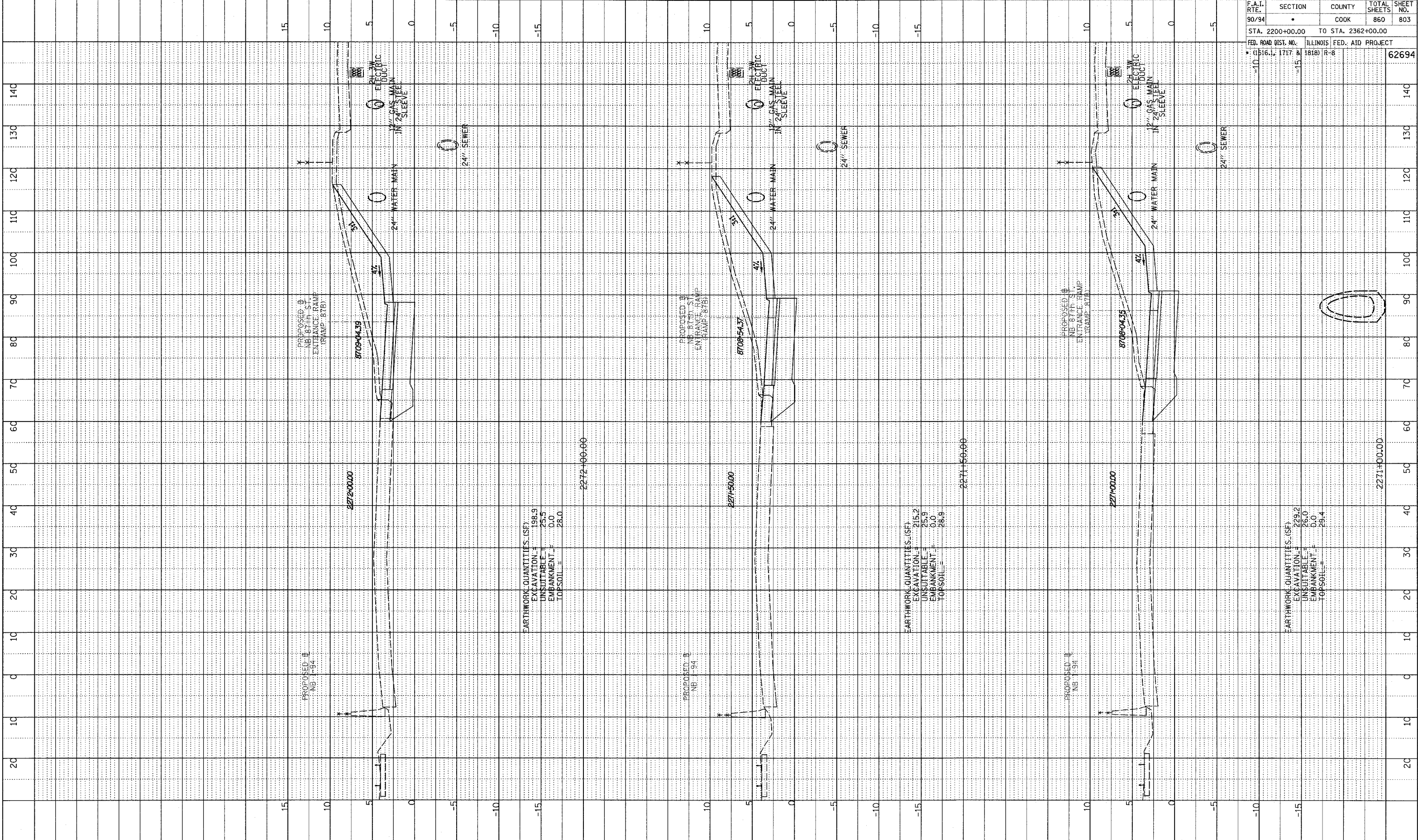


NB 87th ST. ENTRANCE RAMP
 STA. 2269+85 TO STA. 2270+50

PA0237 3yroad/eng/pt/assst/b_t.dgn

PLOTTED AND CHECKED
 DATE: 11/15/94
 NO. _____
 STRUCTURE: NOTATION: 2140

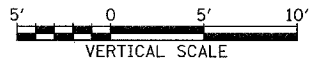
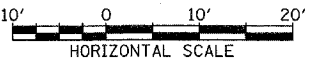
F.A.I. RTE. 90/94	SECTION •	COUNTY COOK	TOTAL SHEETS 860	SHEET NO. 803
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-8		62694		



EARTHWORK QUANTITIES (SF)
 EXCAVATION = 198.9
 UNSUITABLE = 25.3
 EMBANKMENT = 0.0
 TOPSOIL = 28.0

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 215.2
 UNSUITABLE = 25.9
 EMBANKMENT = 0.0
 TOPSOIL = 28.9

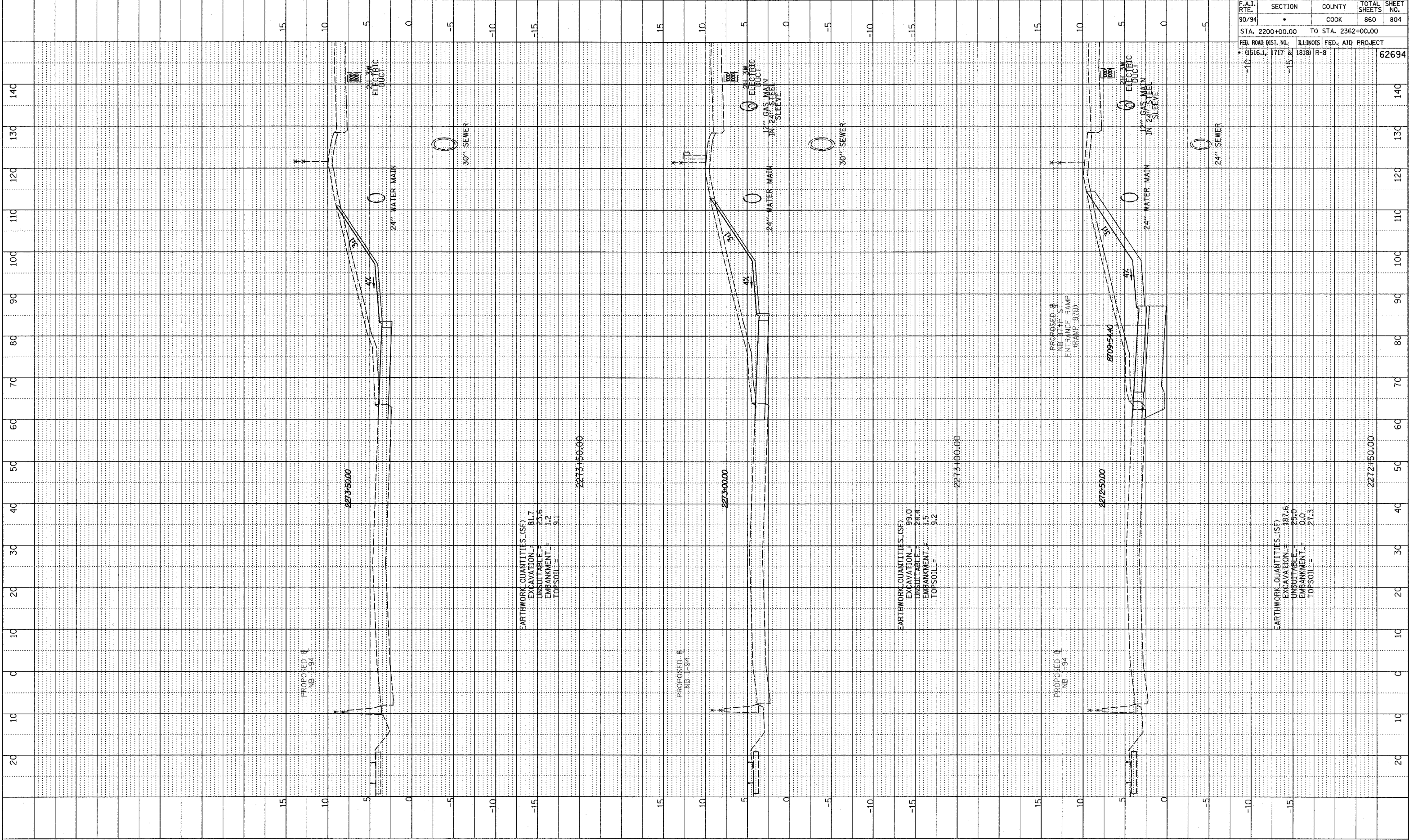
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 EXCAVATION = 229.2
 UNSUITABLE = 26.0
 EMBANKMENT = 0.0
 TOPSOIL = 29.4



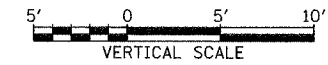
PA02373.dwg (11/15/94) (11/15/94) (11/15/94)

PLOTTED
 DATE: 11/11/94
 BY: J. J. JENSEN
 NO. 1
 STRUCTURE NOTATION: CPKO

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	804
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8		62694		



TYLIN INTERNATIONAL

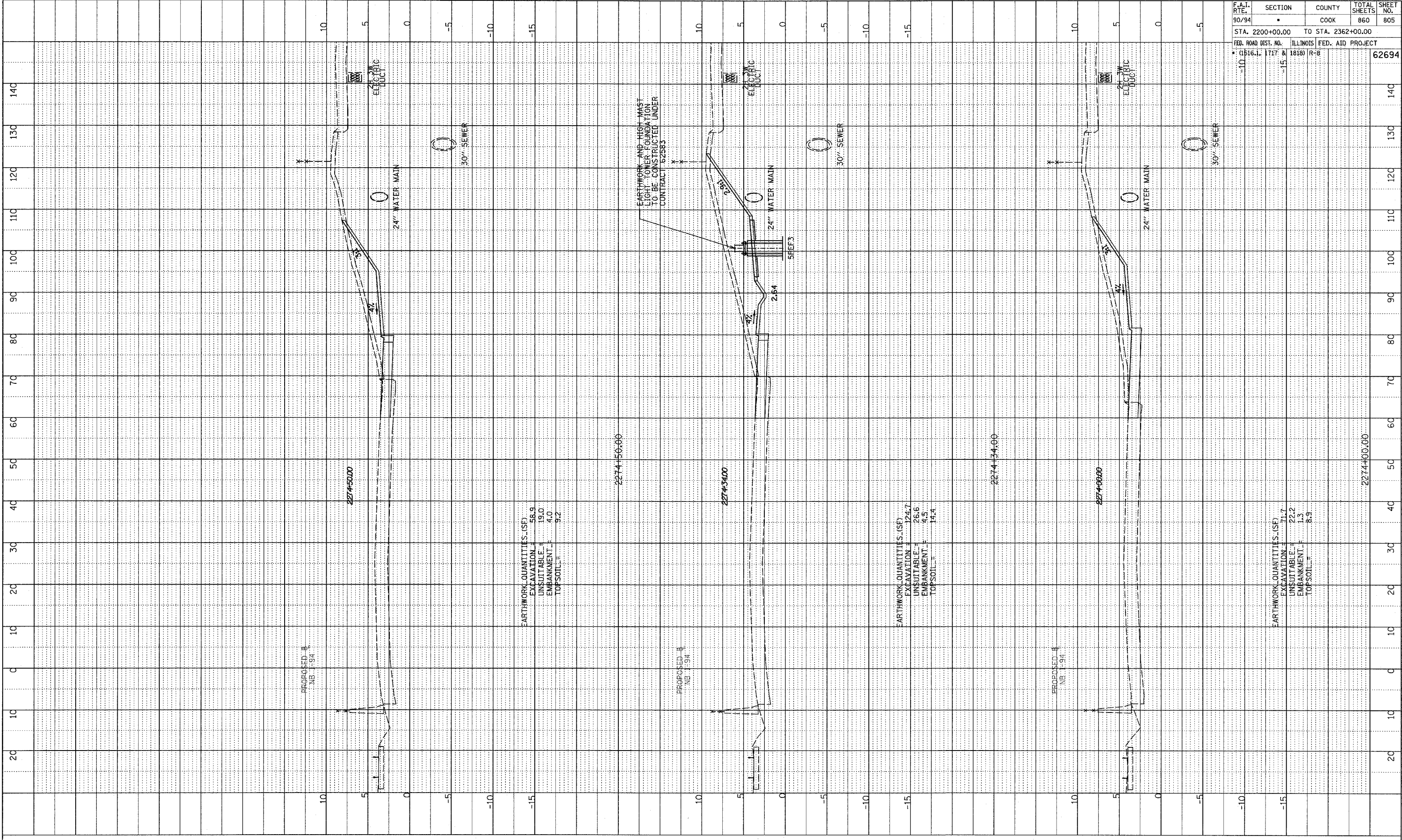


NB 87th ST. ENTRANCE RAMP
 STA. 2272+50 TO STA. 2273+50

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 CHECKED BY: [blank]
 DATE: [blank]
 STRUCTURE NOTATION: CHRD

F.A.T. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	805
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8		62694		



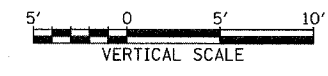
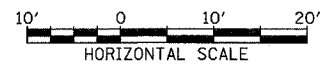
EARTHWORK QUANTITIES (SF)
 EXCAVATION = 58.9
 UNSUITABLE = 19.0
 EMBANKMENT = 4.0
 TOPSOIL = 9.2

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 124.7
 UNSUITABLE = 26.6
 EMBANKMENT = 4.5
 TOPSOIL = 14.4

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 71.7
 UNSUITABLE = 22.2
 EMBANKMENT = 1.3
 TOPSOIL = 8.9

EARTHWORK AND HIGH MAST
 LIGHT TOWER FOUNDATION
 TO BE CONSTRUCTED UNDER
 CONTRACT 82583

TYLIN INTERNATIONAL

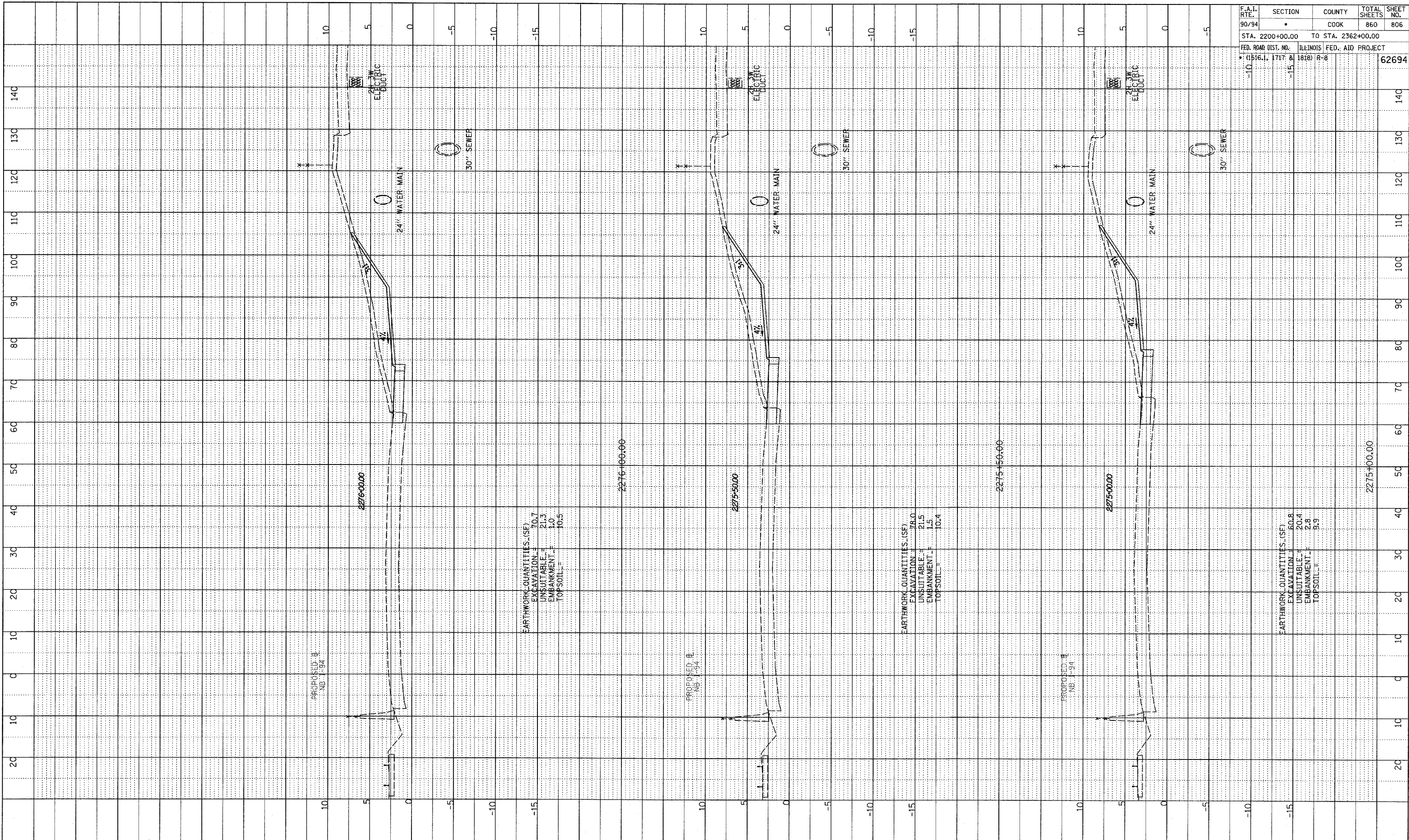


NB 87th ST. ENTRANCE RAMP
 STA. 2274+00 TO STA. 2274+50

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NOTE BOOK NO. _____
 DRAWING CHECKED BY _____
 STRUCTURE NOTATIONS CHKD BY _____

F.A.I. RTE. 90/94	SECTION	COUNTY COOK	TOTAL SHEETS 860	SHEET NO. 806
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-8		62694		

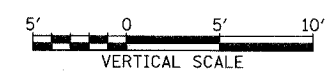
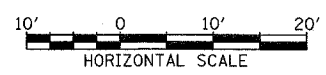


EARTHWORK QUANTITIES (SF)
 EXCAVATION = 70.7
 UNSUITABLE = 21.3
 EMBANKMENT = 1.0
 TOPSOIL = 10.5

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 76.0
 UNSUITABLE = 21.5
 EMBANKMENT = 1.5
 TOPSOIL = 10.4

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 60.8
 UNSUITABLE = 20.4
 EMBANKMENT = 2.8
 TOPSOIL = 8.9

TYLIN INTERNATIONAL

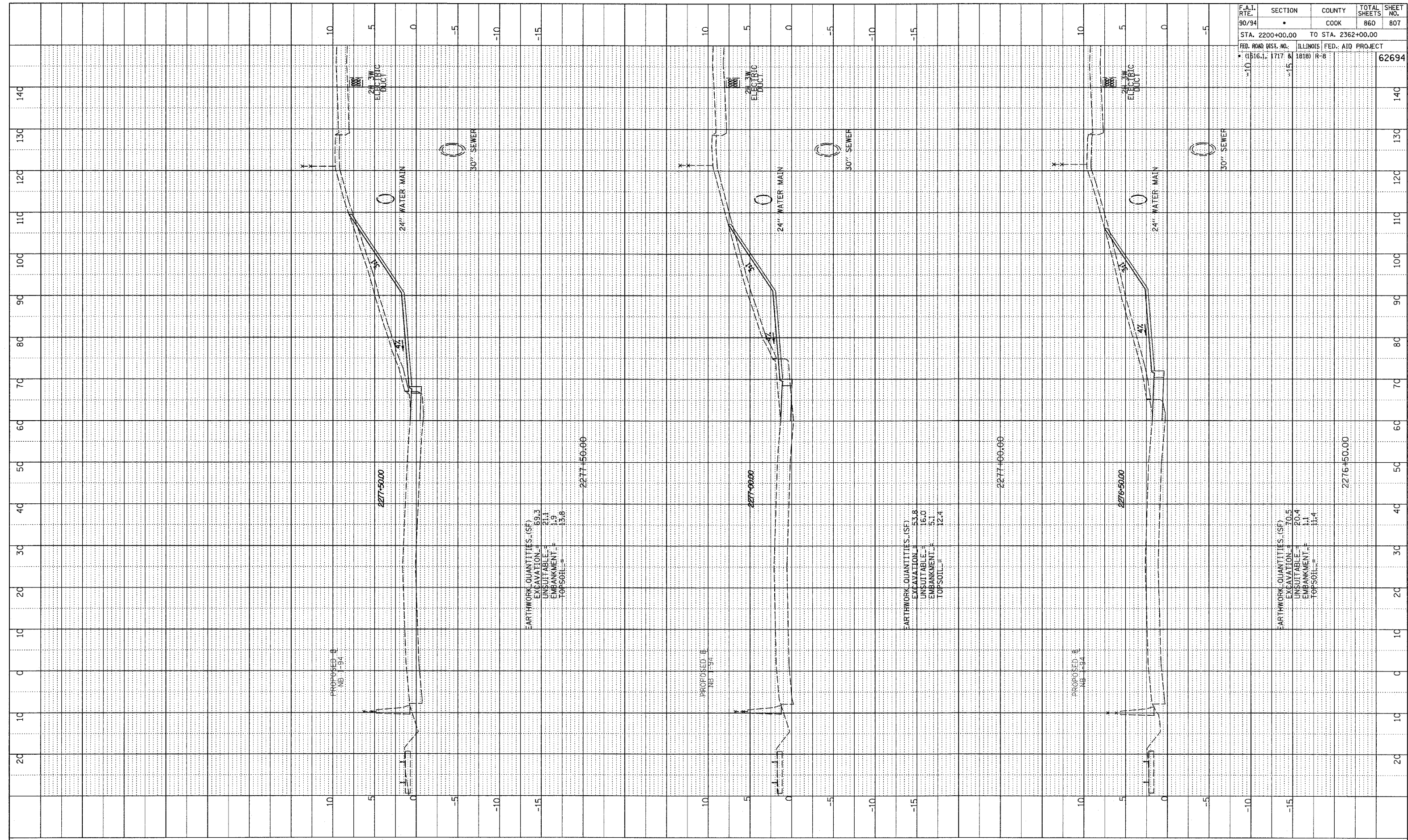


NB 87th ST. ENTRANCE RAMP
 STA. 2275+00 TO STA. 2276+00

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NOTE BOOK NO. STRUCTURE NOTATIONS CHRD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	807
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. 1516.1, 1717 & 1818 R-8		62694		

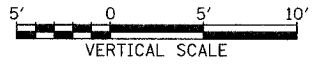


EARTHWORK QUANTITIES (SF)
 EXCAVATION = 69.3
 UNSUITABLE = 21.1
 EMBANKMENT = 1.9
 TOPSOIL = 13.8

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 53.8
 UNSUITABLE = 16.0
 EMBANKMENT = 5.1
 TOPSOIL = 12.4

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 70.5
 UNSUITABLE = 20.4
 EMBANKMENT = 1.1
 TOPSOIL = 11.4

TYLIN INTERNATIONAL

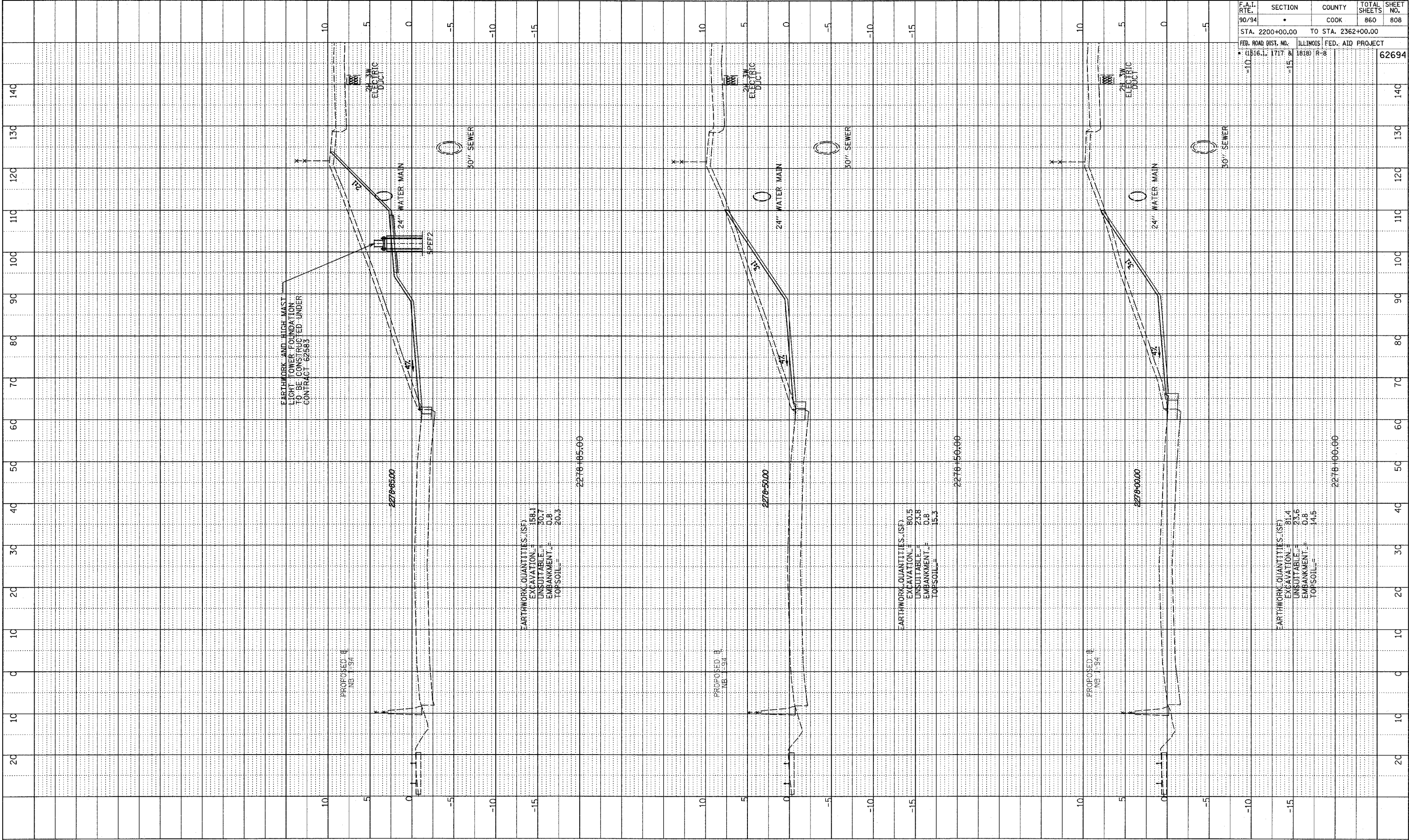


NB 87th ST. ENTRANCE RAMP
 STA. 2276+50 TO STA. 2277+50

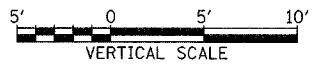
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 DATE: 11/11/94
 BY: J. W. [unreadable]
 NO. [unreadable]
 STRUCTURE: [unreadable]

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	808
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8				
				62694



TYLIN INTERNATIONAL

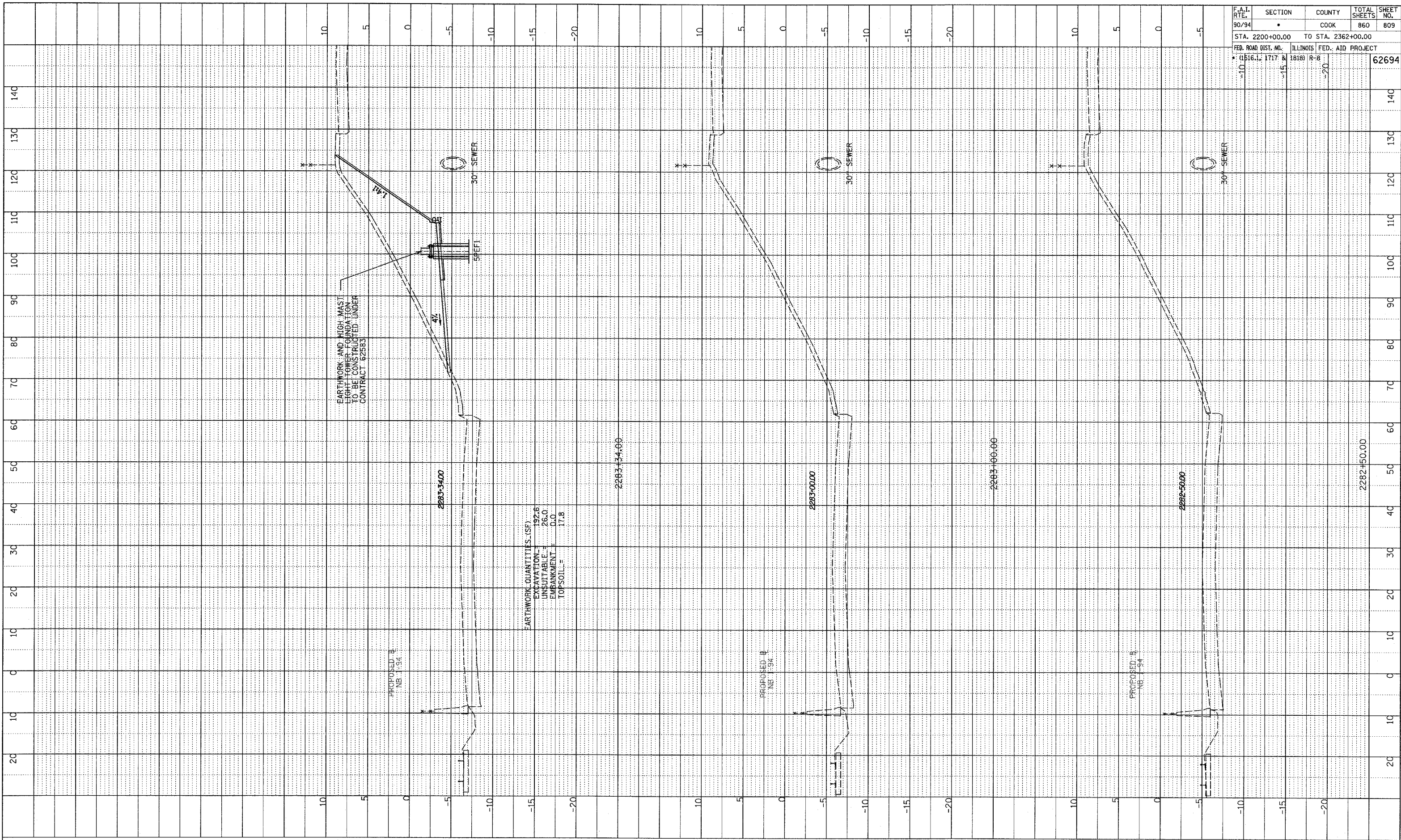


NB 87th ST. ENTRANCE RAMP
 STA. 2278+00 TO STA. 2278+85

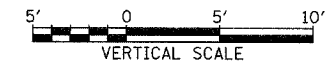
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 BY: [blank]
 NO. [blank]
 STRUCTURE NOTATION: CHKD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	809
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. 1516.1, 1717 & 1818		ILLINOIS FED. AID PROJECT		62694

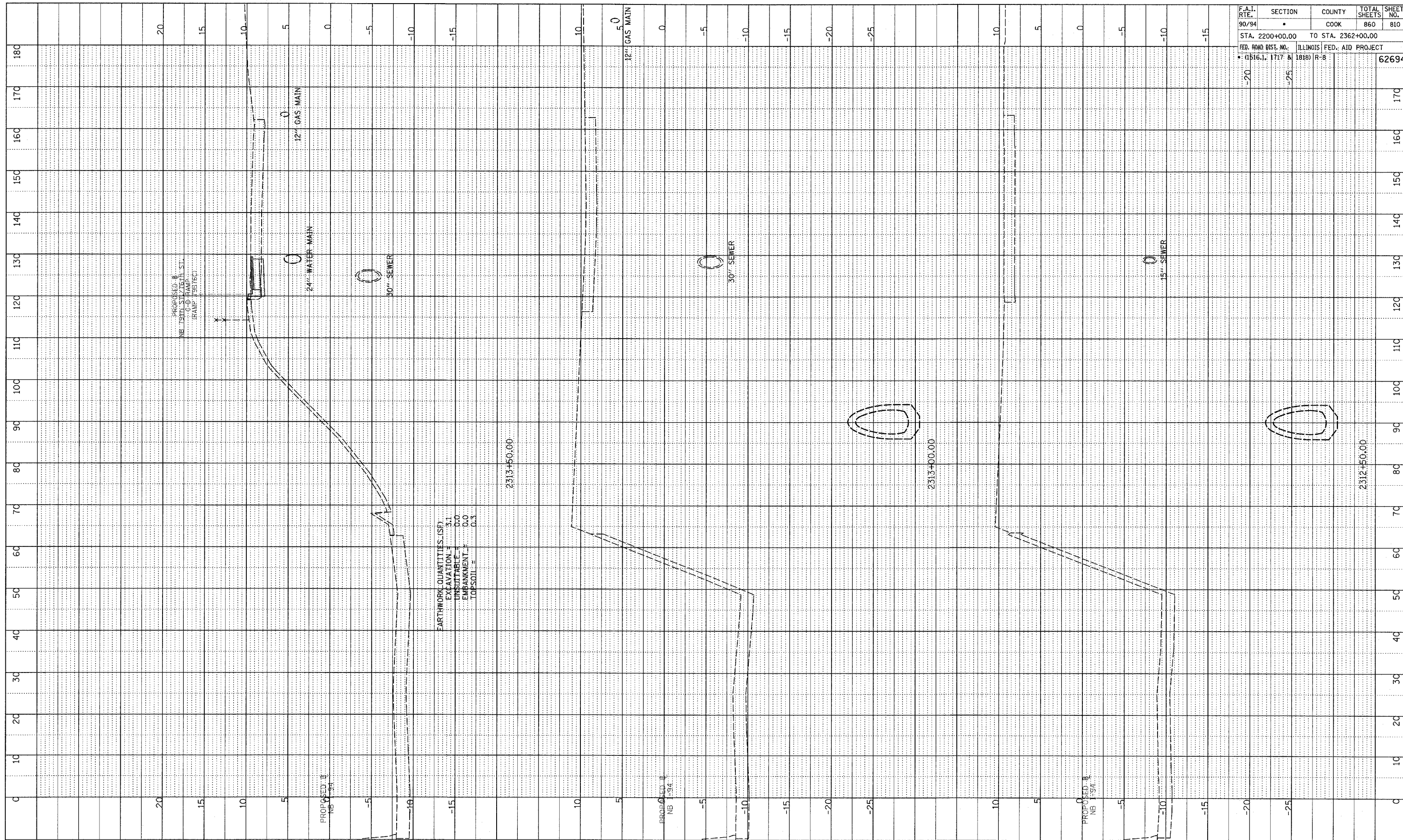


TYLIN INTERNATIONAL



NB 87th ST. ENTRANCE RAMP
 STA. 2282+50 TO STA. 2283+34

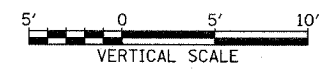
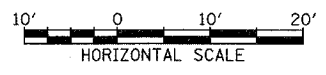
PROFILE DRAFTER
 GRADES CHECKED
 STRUCTURE NOTATIONS CHECKED
 NO.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	810
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 3.1
 UNSUITABLE = 0.0
 EMBANKMENT = 0.0
 TOPSOIL = 0.3

TYLIN INTERNATIONAL

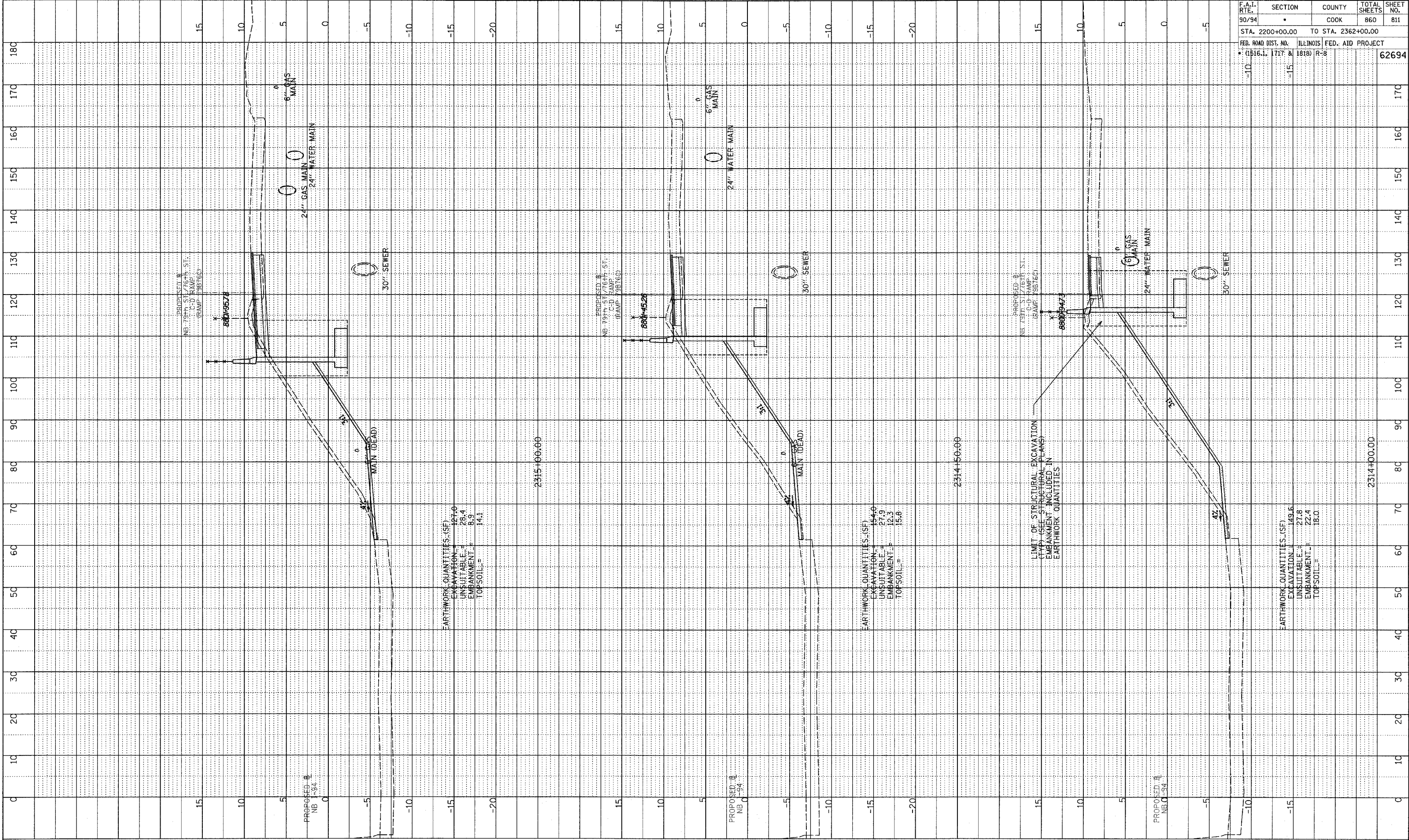


NB 79th TO 76th C-D RAMP
 STA. 2312+50 TO STA. 2313+50

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 DATE: 11/11/16
 BY: J. W. [unreadable]
 NO. [unreadable]
 STRUCTURE NOTATIONS CHFD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	811
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8				
				62694



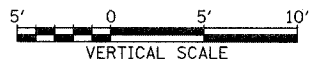
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 EXCAVATION = 127.0
 UNSUITABLE = 28.4
 EMBANKMENT = 8.9
 TOPSOIL = 14.1

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 154.0
 UNSUITABLE = 27.9
 EMBANKMENT = 12.3
 TOPSOIL = 15.8

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 149.5
 UNSUITABLE = 27.8
 EMBANKMENT = 22.4
 TOPSOIL = 18.0

LIMIT OF STRUCTURAL EXCAVATION
 (TYP) (SEE STRUCTURAL PLANS)
 EMBANKMENT INCLUDED IN
 EARTHWORK QUANTITIES

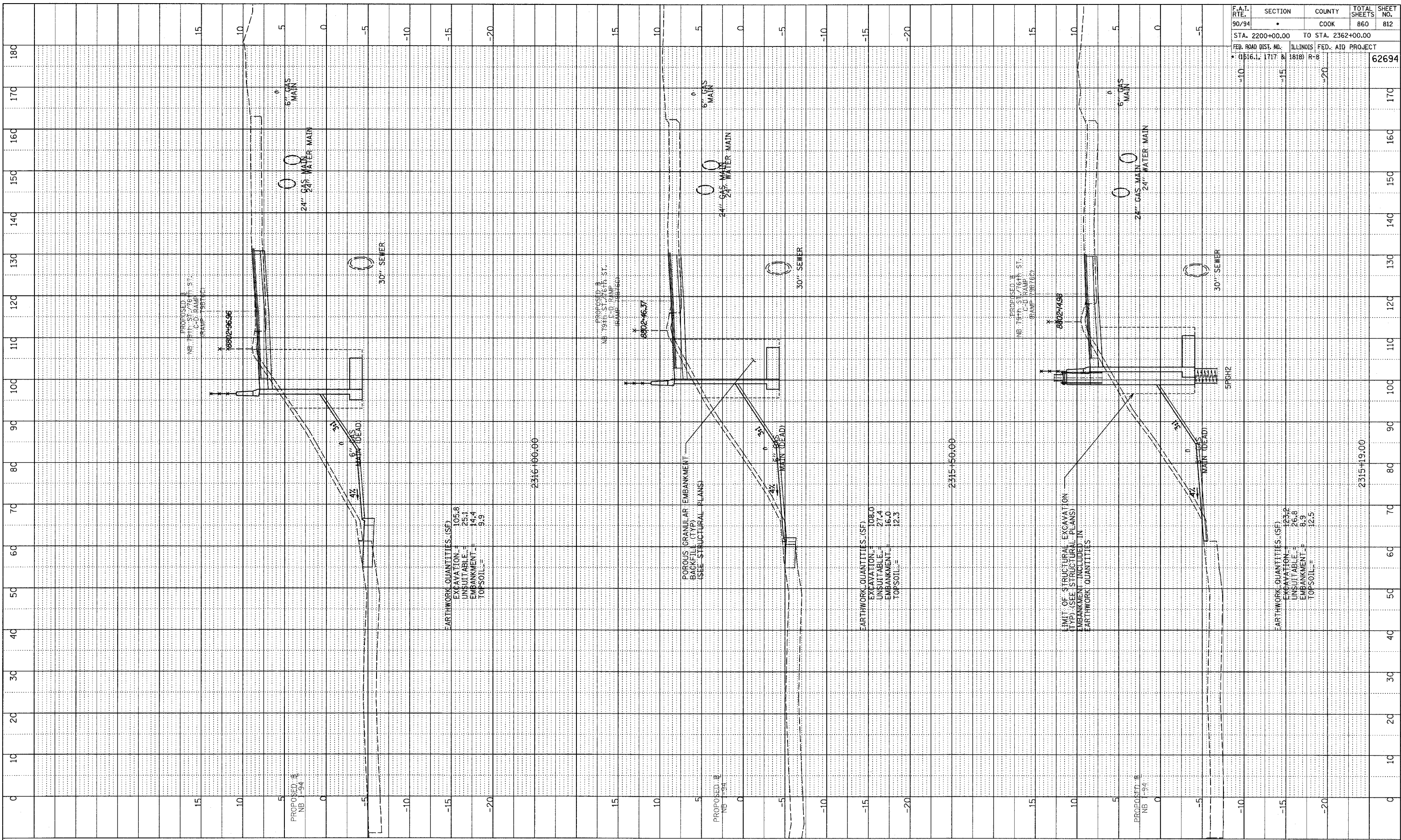
TYLIN INTERNATIONAL



NB 79th TO 76th C-D RAMP
 STA. 2314+00 TO STA. 2315+00

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NOTE BOOK
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 STRUCTURE NOTATIONS DRWD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	812
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

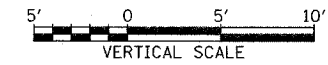
EARTHWORK QUANTITIES (SF)
 EXCAVATION = 105.8
 UNSUITABLE = 25.1
 EMBANKMENT = 14.4
 TOPSOIL = 9.9

POROUS GRANULAR EMBANKMENT
 BACKFILL (TYP.)
 (SEE STRUCTURAL PLANS)

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 108.0
 UNSUITABLE = 27.4
 EMBANKMENT = 16.0
 TOPSOIL = 12.3

LIMIT OF STRUCTURAL EXCAVATION
 (TYP.) (SEE STRUCTURAL PLANS)
 EMBANKMENT INCLUDED IN
 EARTHWORK QUANTITIES

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 123.2
 UNSUITABLE = 26.8
 EMBANKMENT = 8.9
 TOPSOIL = 12.5

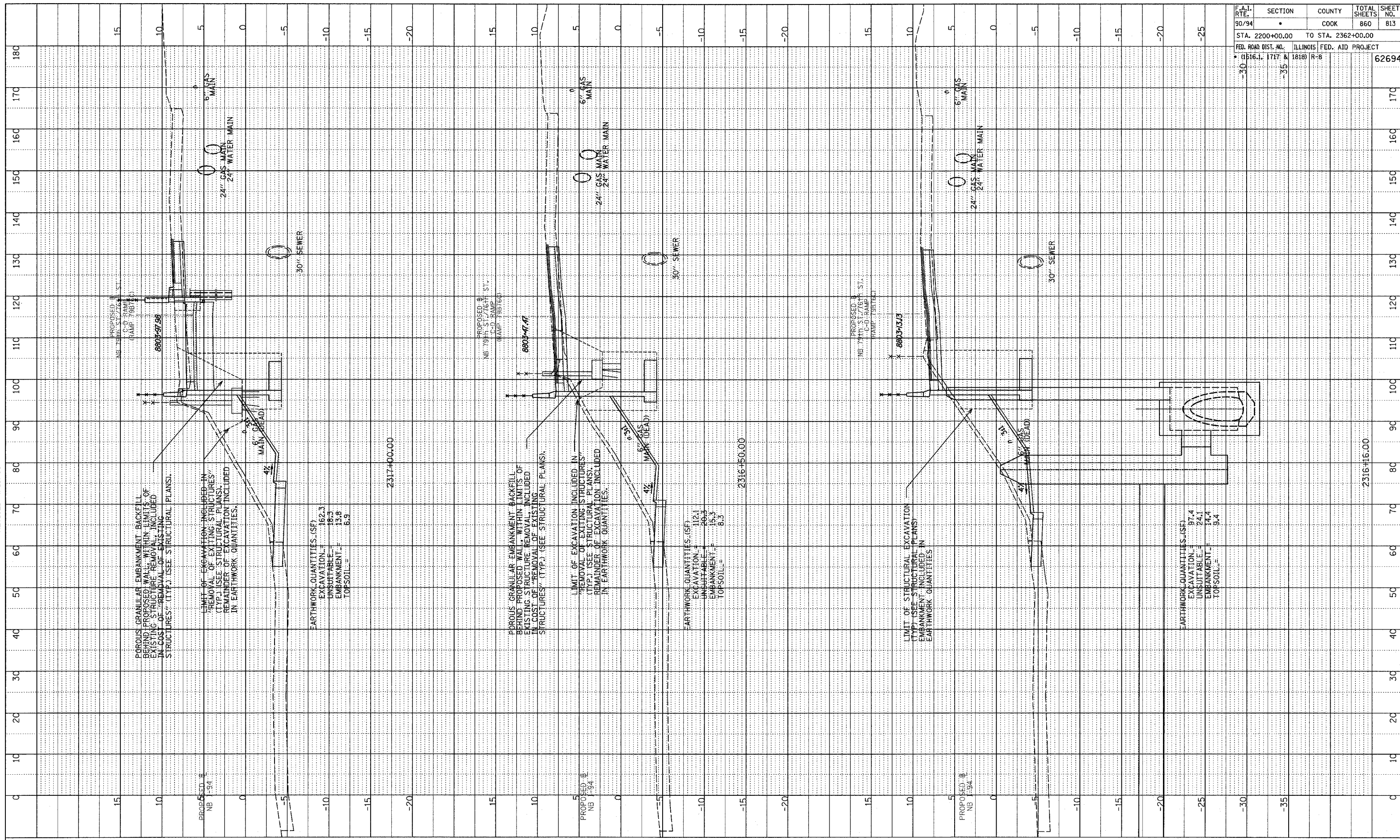


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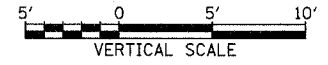
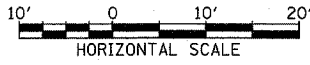
NOTE BOOK GRADES CHECKED E.M. NOTED DISCREPANCY NOTATIONS OK'NO

REVISED 4/15/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	813
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-8		62694		



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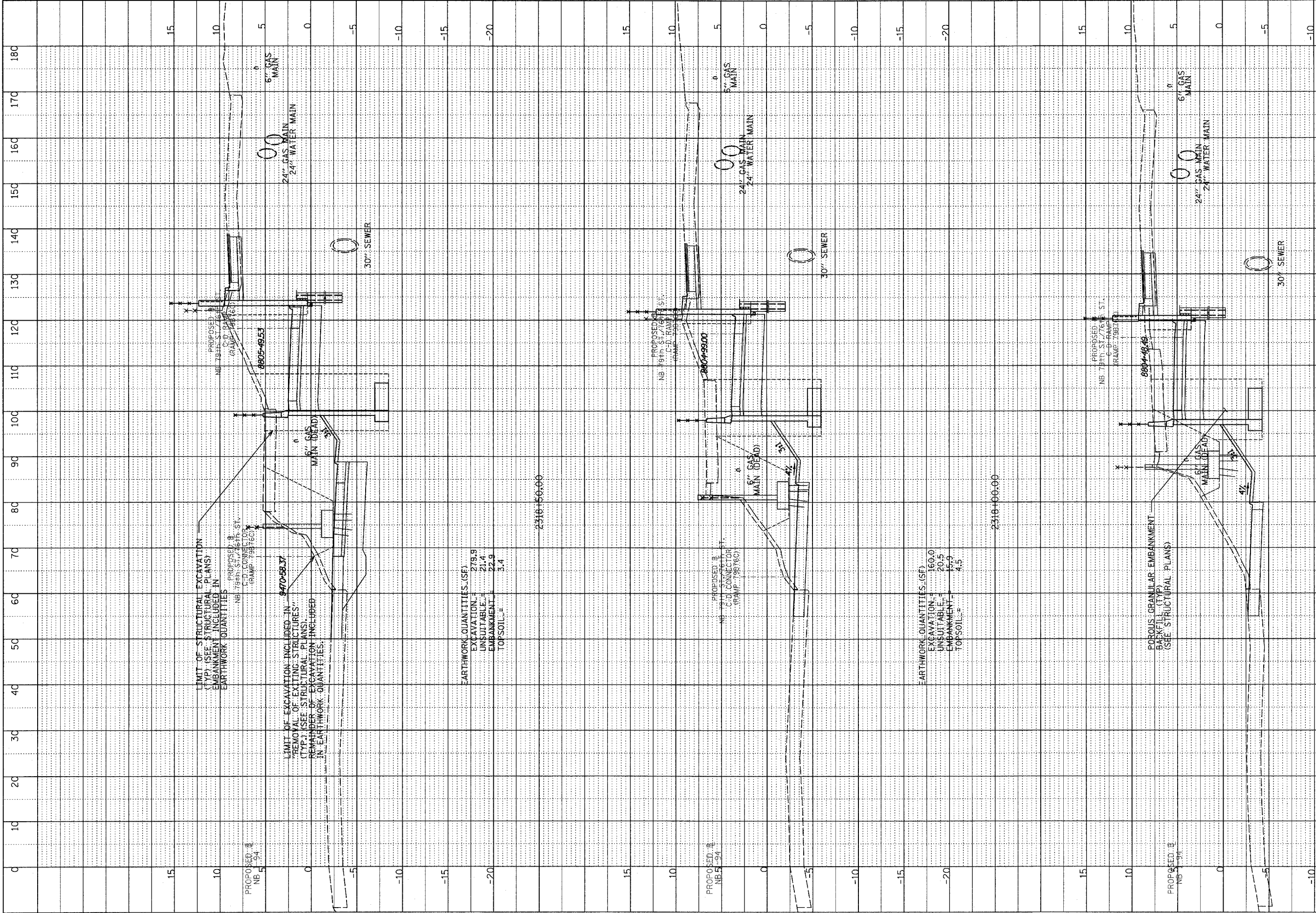


NB 79th TO 76th C-D RAMP
STA. 2316+16 TO STA. 2317+00

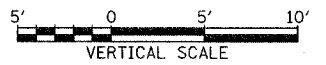
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 NO. / NO.
 STRUCTURE NOTATION CHNO

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	814
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-8				62694



TYLIN INTERNATIONAL

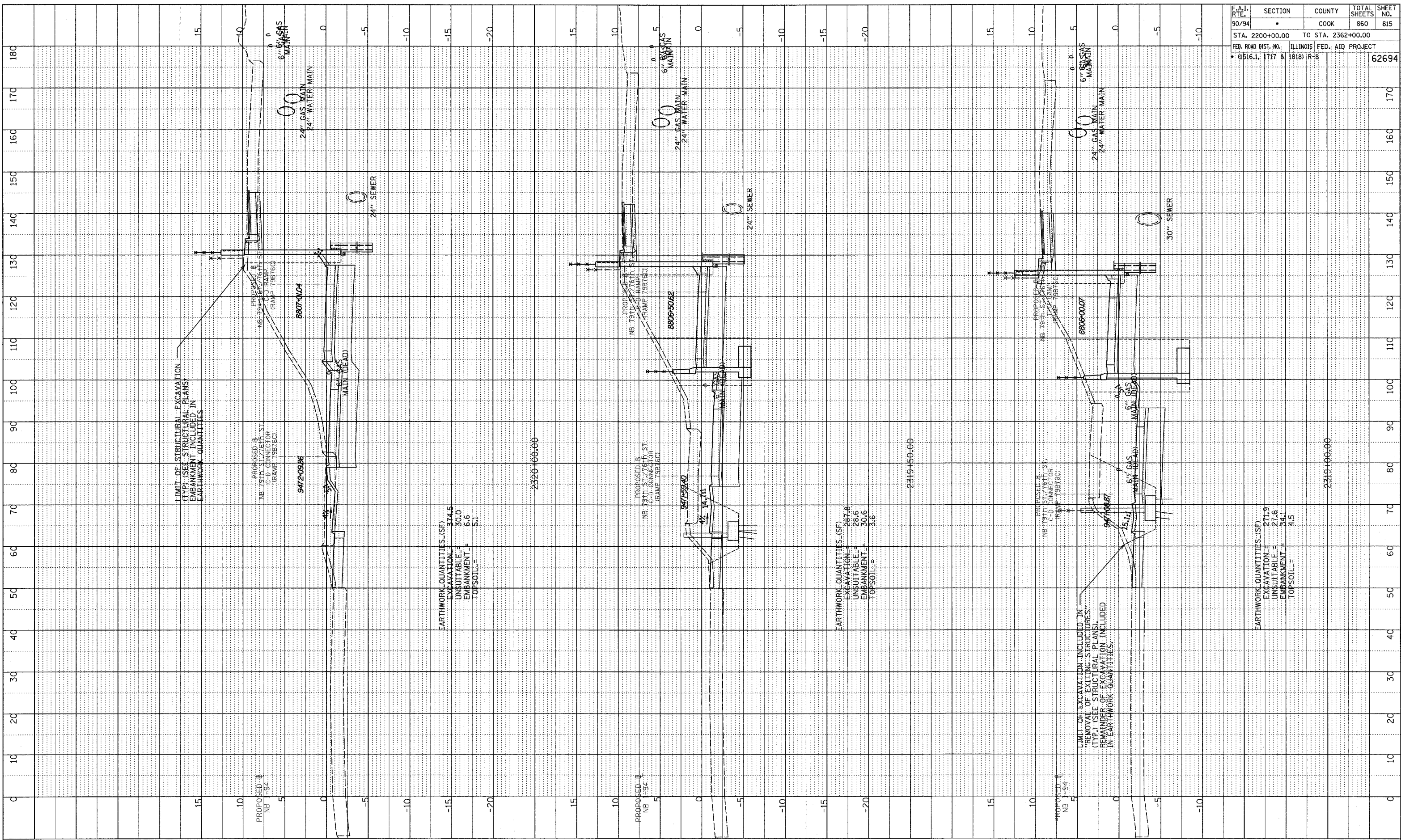


NB 79th TO 76th C-D RAMP
 STA. 2317+50 TO STA. 2318+50

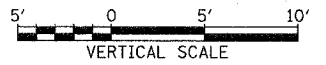
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PLOTTED & CHECKED
 DATE: 11/15/16
 NO. _____
 STRUCTURE NOTATION: CP10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	815
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-8				62694



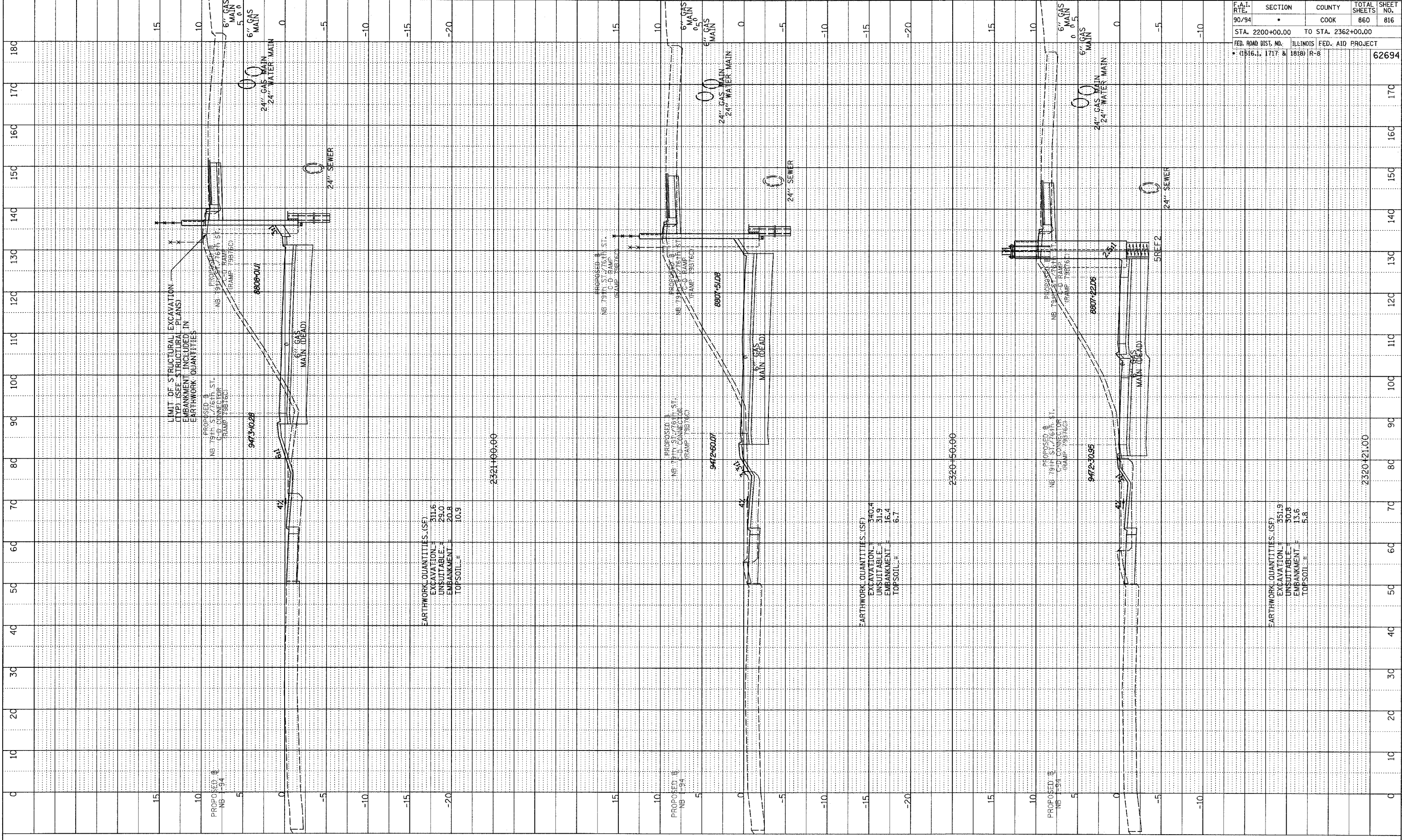
TYLIN INTERNATIONAL



NB 79th TO 76th C-D RAMP
 STA. 2319+00 TO STA. 2320+00

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NOTE BOOK
 NO. _____
 STRUCTURE NOTATION CHKO



LIMIT OF STRUCTURAL EXCAVATION
 (TYPE) (SEE STRUCTURAL PLANS)
 EMBANKMENT INCLUDED IN
 EARTHWORK QUANTITIES

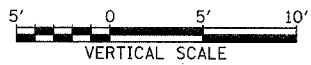
EARTHWORK QUANTITIES (SF)
 EXCAVATION = 311.6
 UNSUITABLE = 29.0
 EMBANKMENT = 20.8
 TOPSOIL = 10.9

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 340.4
 UNSUITABLE = 31.9
 EMBANKMENT = 16.4
 TOPSOIL = 6.7

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 351.9
 UNSUITABLE = 30.8
 EMBANKMENT = 13.6
 TOPSOIL = 5.8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	816
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-8				62694

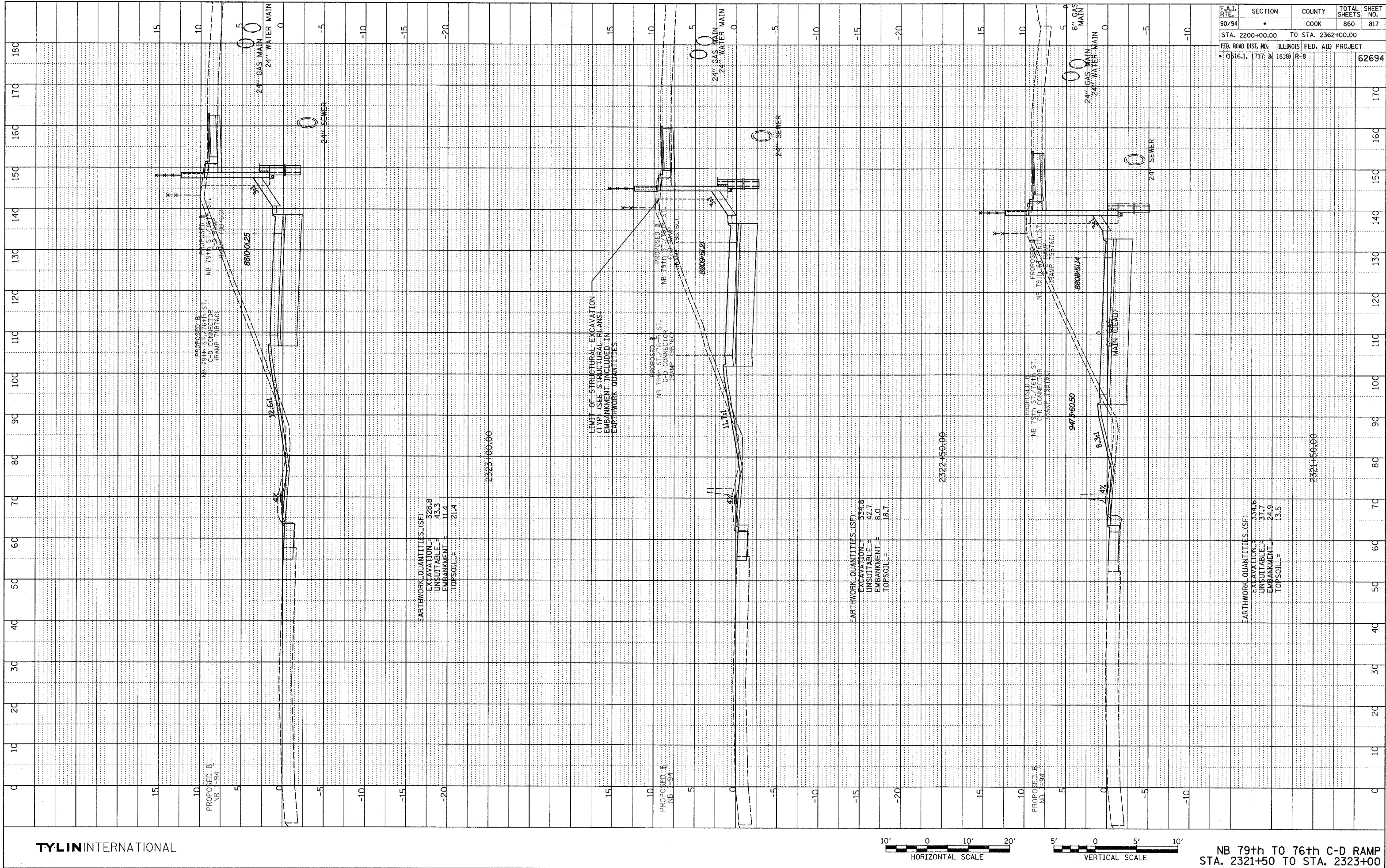
TYLIN INTERNATIONAL



NB 79th TO 76th C-D RAMP
 STA. 2320+21 TO STA. 2321+00

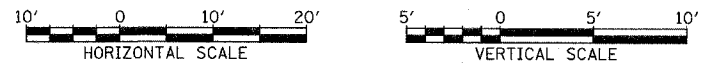
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NOTE BOOK
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PLOTTED, CHECKED
BY _____
STRUCTURE NOTATION: CHKO



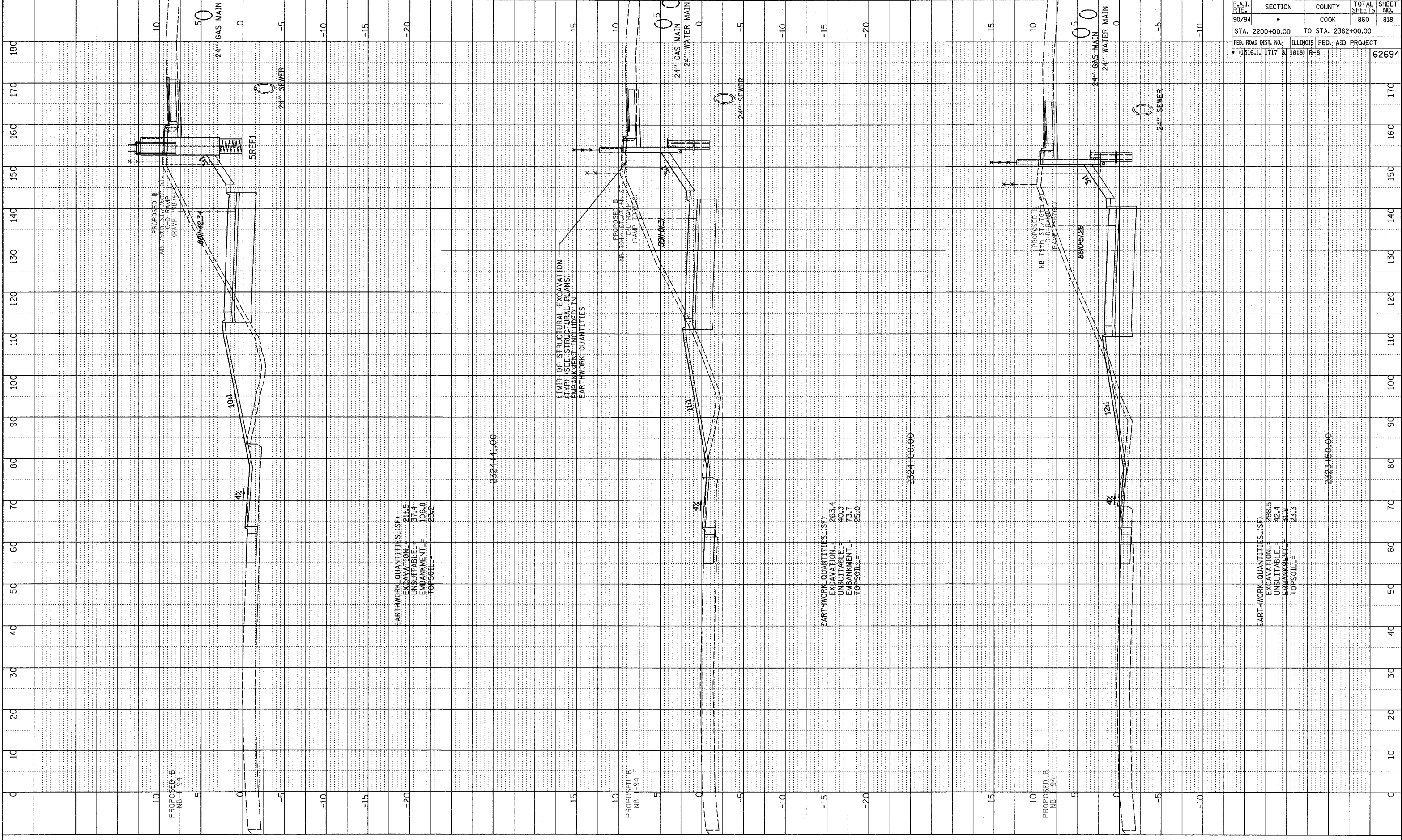
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	817
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
• (G1516.1, 1717 & 1818) R-8		62694		

TYLIN INTERNATIONAL



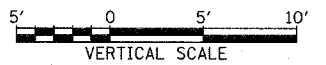
NB 79th TO 76th C-D RAMP
STA. 2321+50 TO STA. 2323+00

NOTE BOOK
 PLOTTED
 DRAWING
 STRUCTURE NOTATION CHNO
 NO.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	818
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

TYLIN INTERNATIONAL

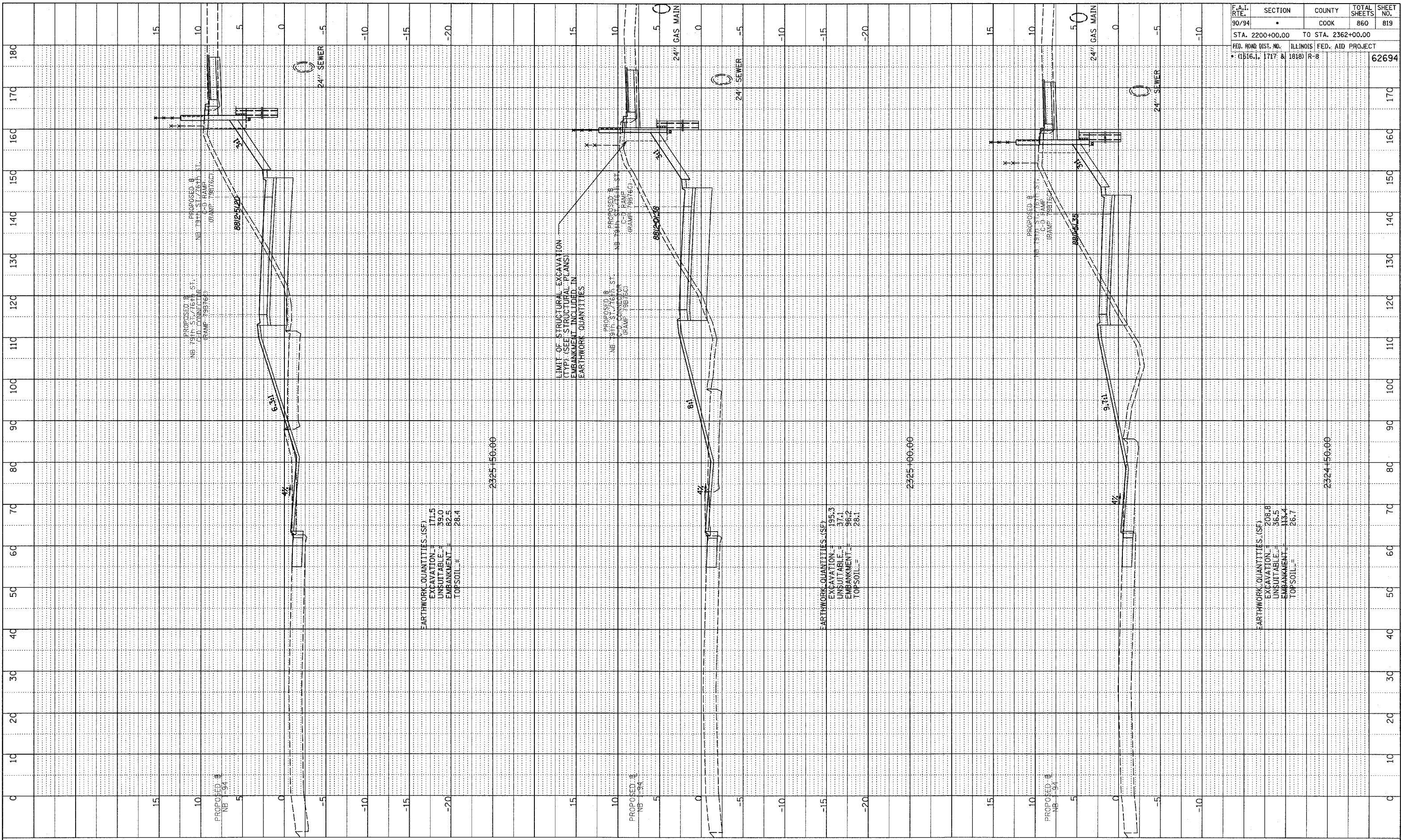


NB 79th TO 76th C-D RAMP
 STA. 2323+50 TO STA. 2324+41

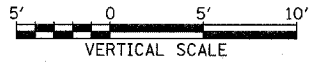
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NOTE BOOK
 PLOTTED, CHECKED
 REVISIONS
 NO. _____
 STRUCTURE NOTATION: CPD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	819
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717 & 1818) R-8				
				62694



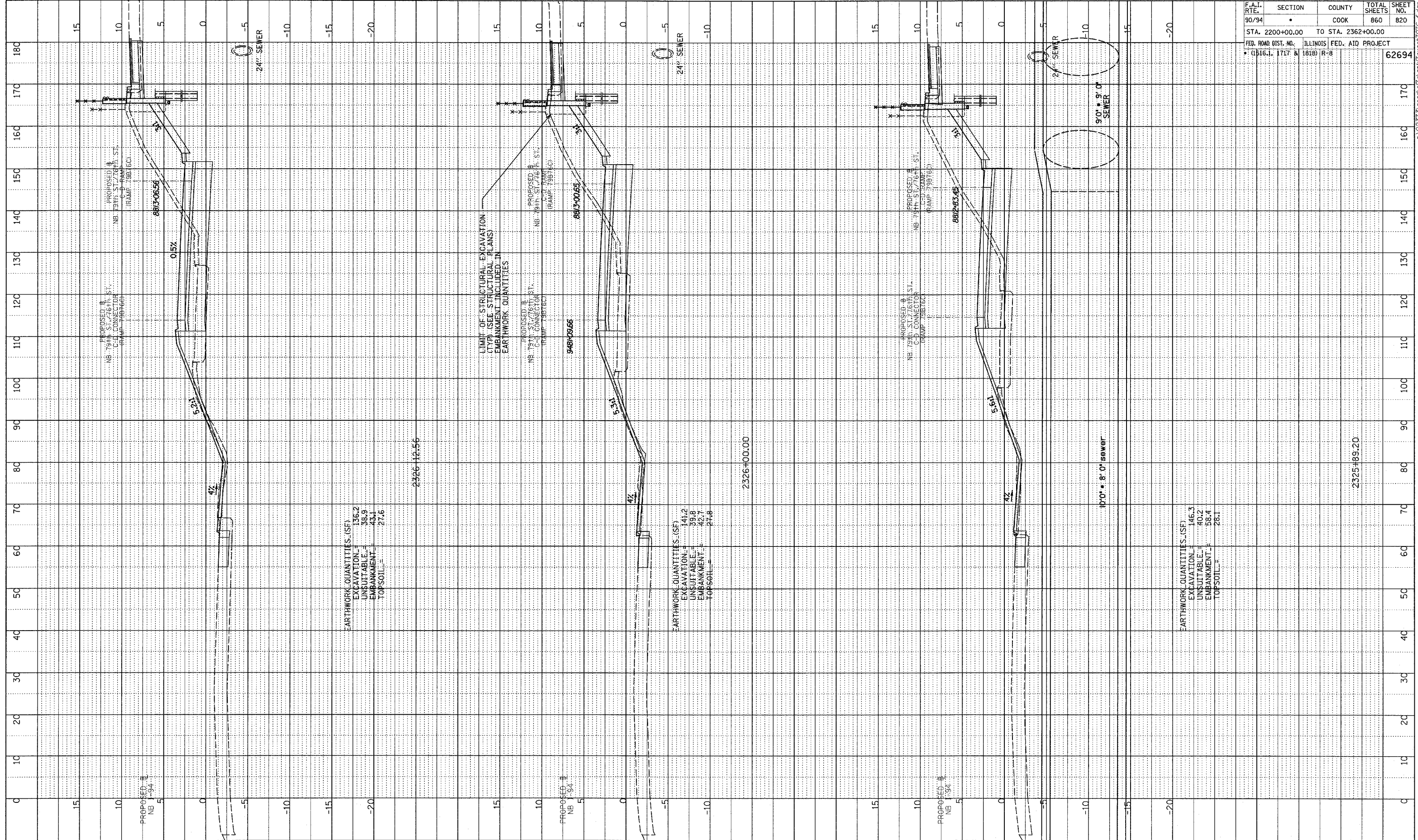
TYLIN INTERNATIONAL



NB 79th TO 76th C-D RAMP
 STA. 2324+50 TO STA. 2325+50

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DRAWING NO. _____
 DATE _____
 REVISION NO. _____
 REVISION DESCRIPTION _____
 CHECKED BY _____
 DESIGNED BY _____
 PROJECT NO. _____
 SHEET NO. _____



EARTHWORK QUANTITIES (SF)
 EXCAVATION = 136.2
 UNSUITABLE = 38.9
 EMBANKMENT = 43.1
 TOPSOIL = 27.6

2326+12.56

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 141.2
 UNSUITABLE = 39.8
 EMBANKMENT = 42.7
 TOPSOIL = 27.8

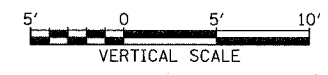
2326+00.00

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 146.3
 UNSUITABLE = 40.2
 EMBANKMENT = 58.4
 TOPSOIL = 28.1

2325+89.20

F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	820
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-8				62694

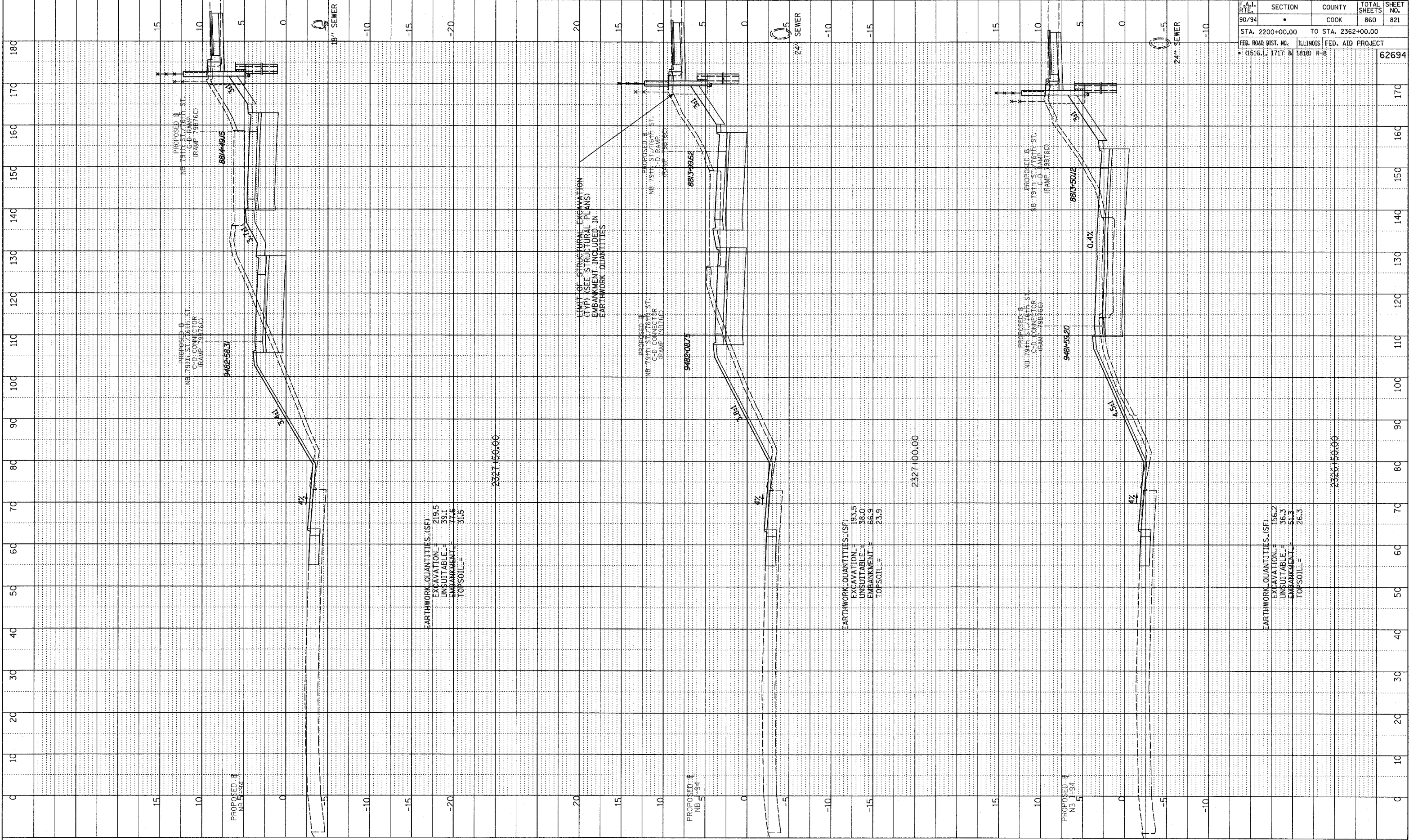
TYLINT INTERNATIONAL



NB 79th TO 76th C-D RAMP
 STA. 2325+89 TO STA. 2326+12

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NOTE BOOK
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 PLOTTED / CHECKED
 DATE NOTED
 STRUCTURE NOTATION CHRD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	821
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8		62694		

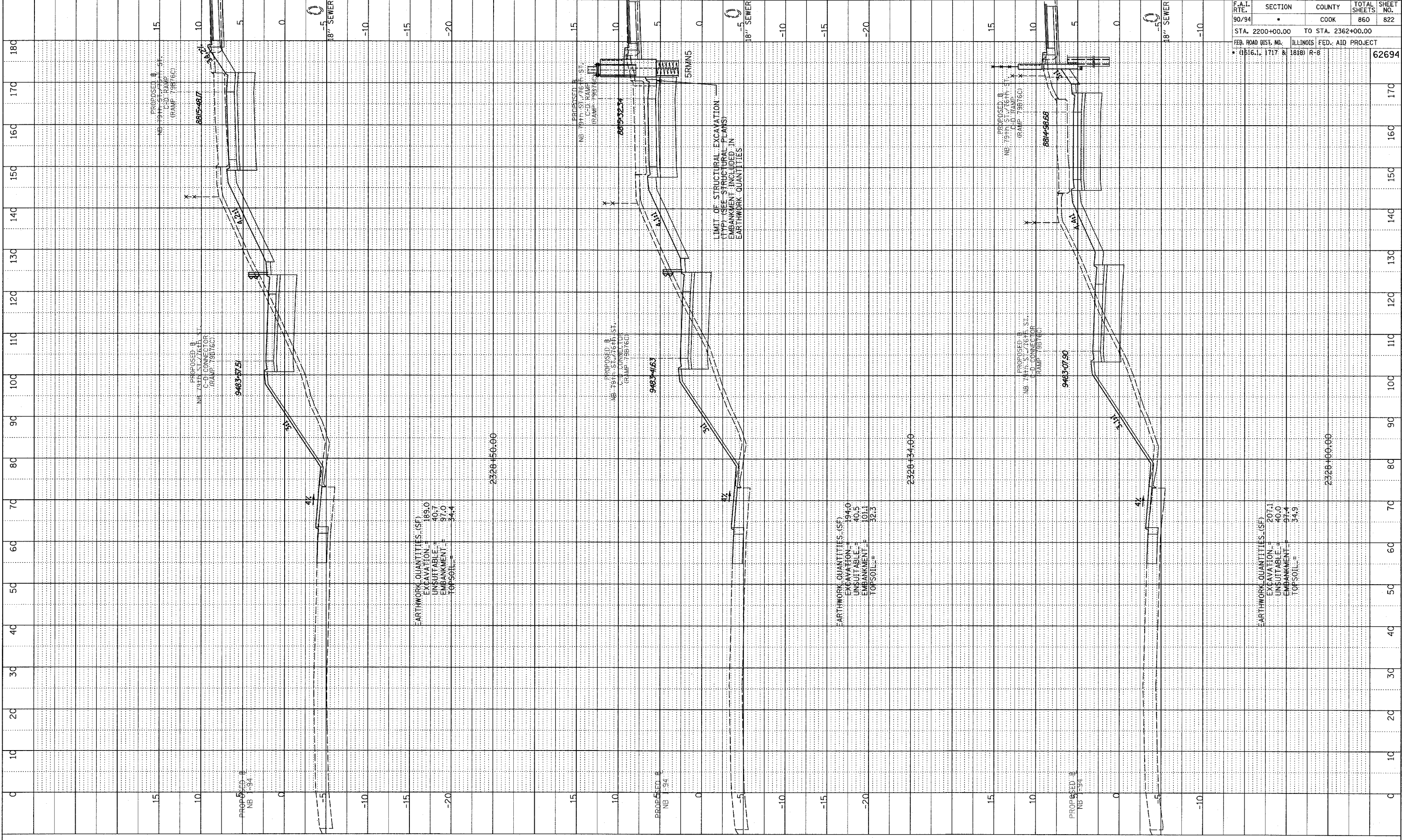
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NB 79th TO 76th C-D RAMP
 STA. 2326+50 TO STA. 2327+50

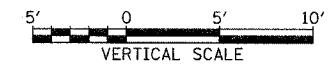
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NOTE BOOK
NO. _____
PLOTTED, CHECKED
DATE _____
STRUCTURE IDENTIFICATION
NO. _____



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	822
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

TYLINT INTERNATIONAL

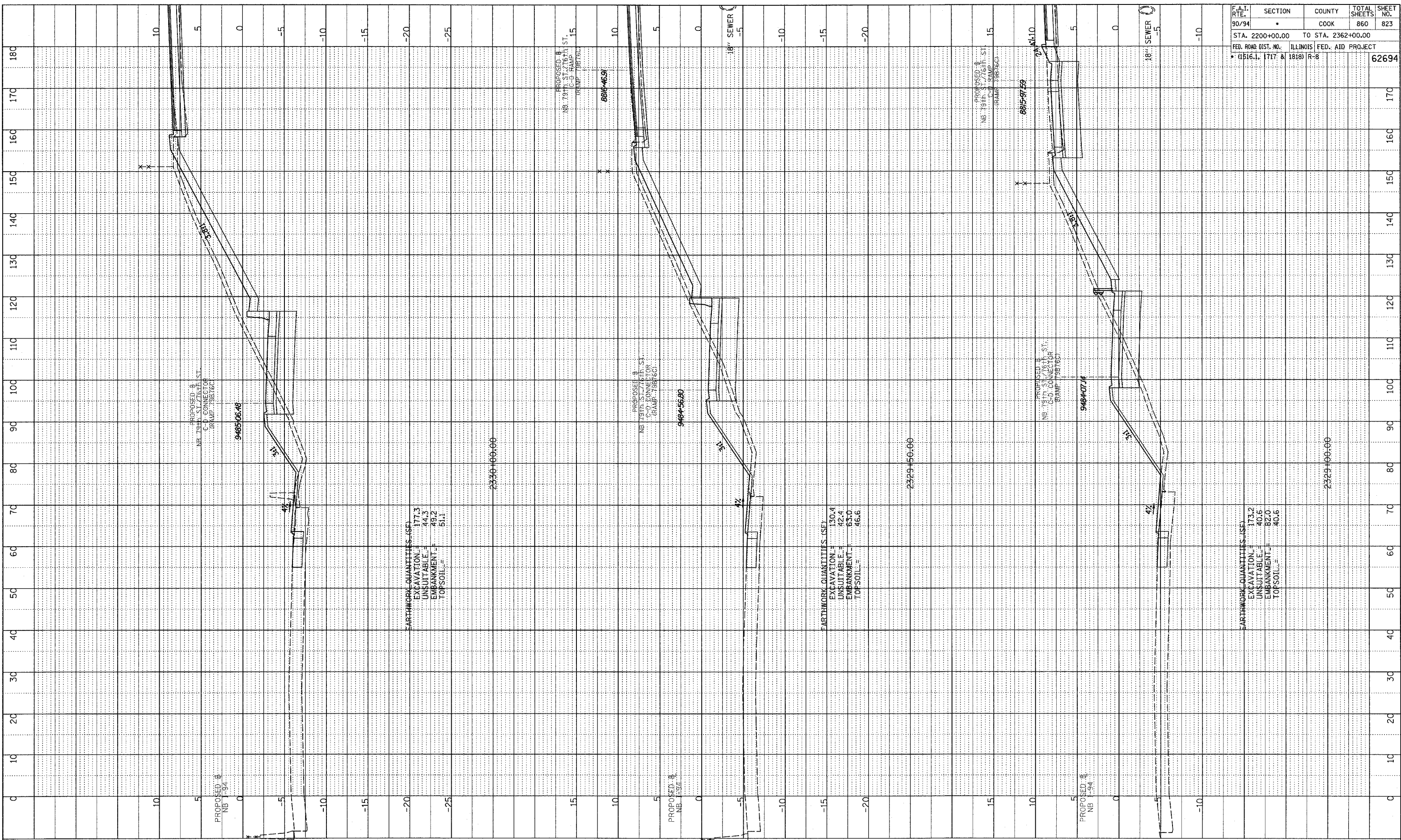


NB 79th TO 76th C-D RAMP
STA. 2328+00 TO STA. 2328+50

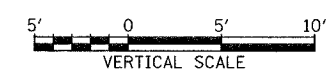
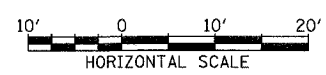
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PLOTTED & CHECKED
 DATE: 11/15/17
 NO. _____
 STRUCTURE NOTATIONS CHRO

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	823
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-8				62694



TYLIN INTERNATIONAL

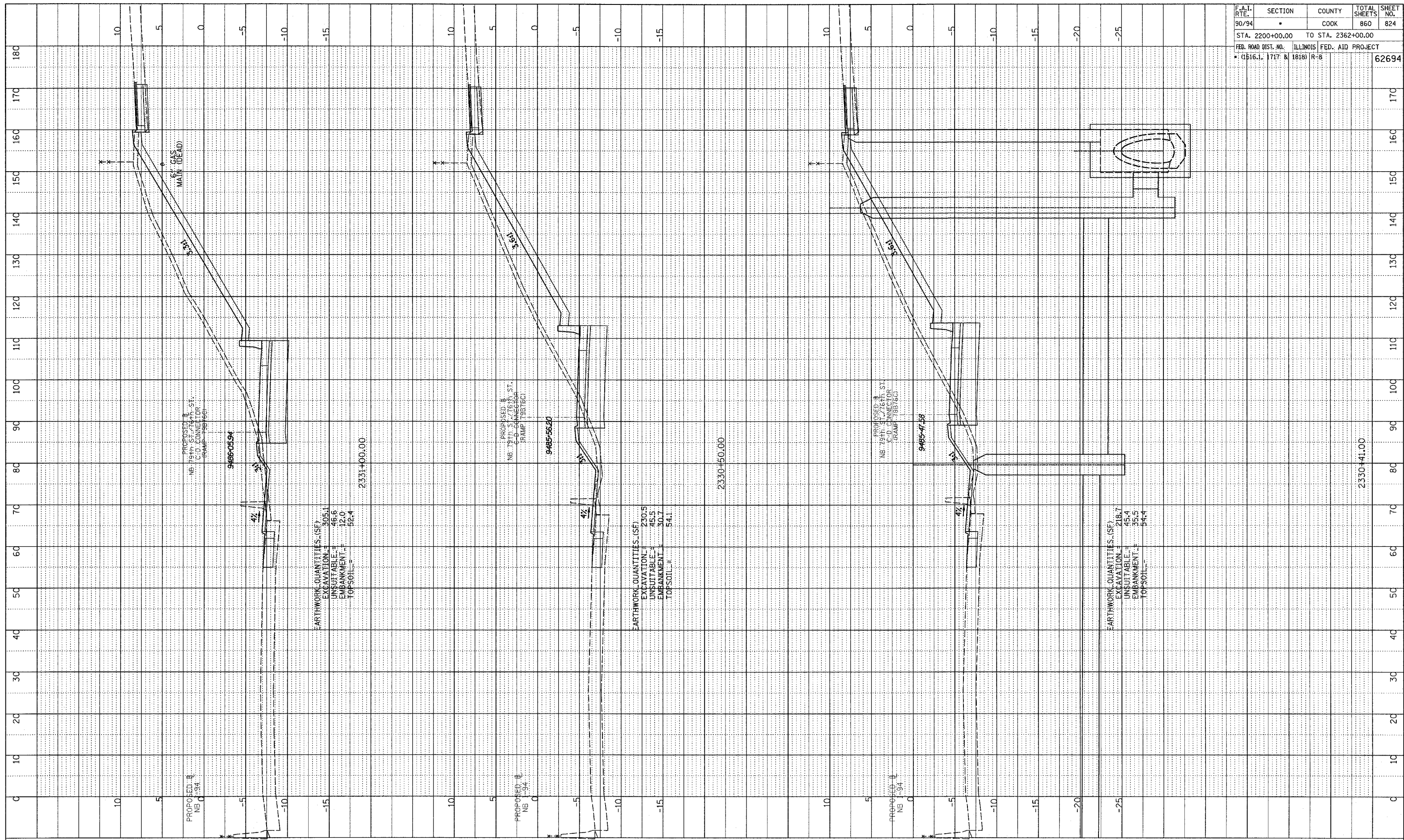


NB 79th TO 76th C-D RAMP
 STA. 2329+00 TO STA. 2330+00

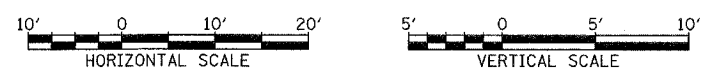
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PRINTED DRAWING
 NO. _____
 STRUCTURE NOTATION: CPK0

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	824
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717 & 1818) R-8				
				62694



TYLIN INTERNATIONAL

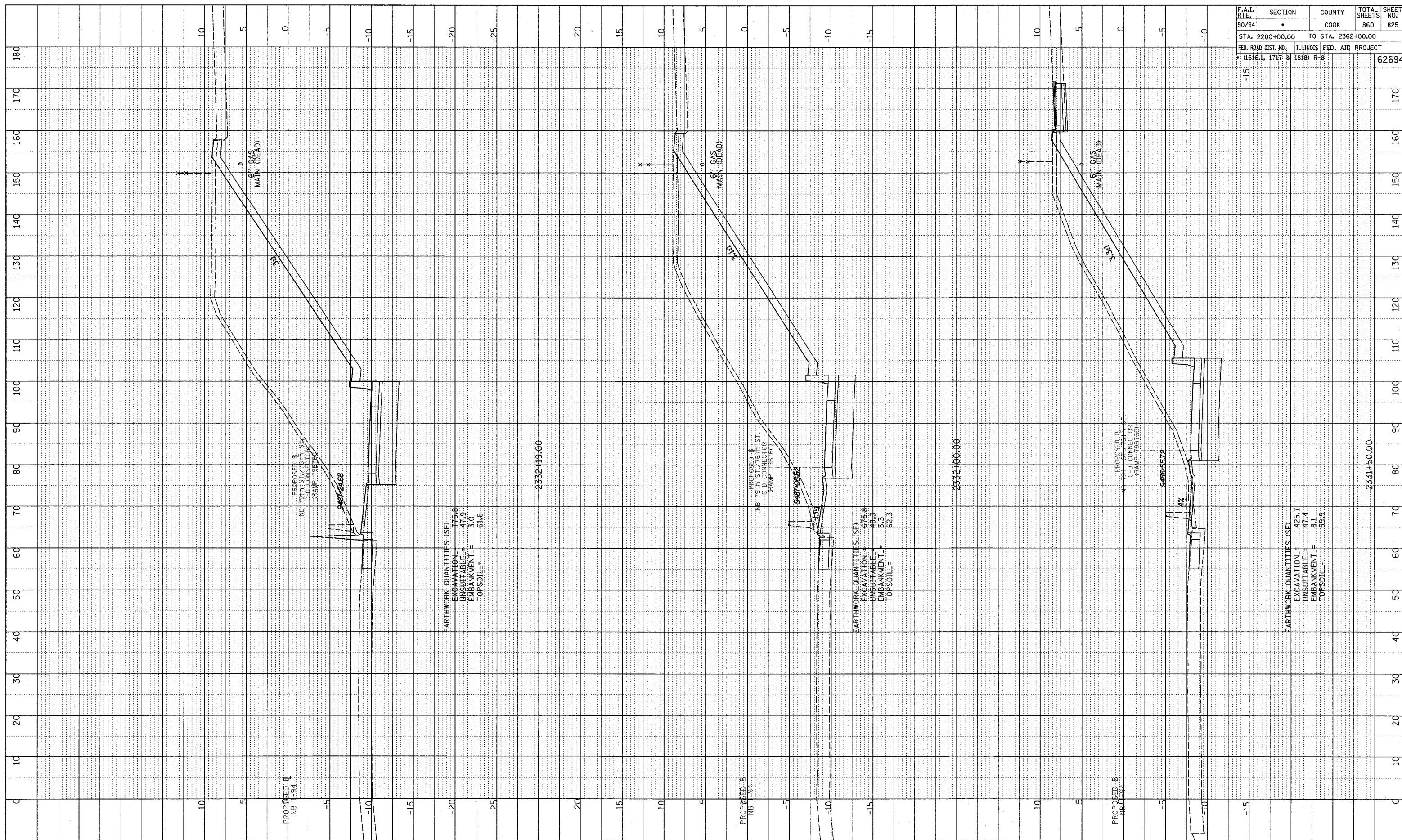


NB 79th TO 76th C-D RAMP
 STA. 2330+41 TO STA. 2331+00

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PROFILE DRAWING
 GRADES CHECKED
 P.L.M. NO. 10
 DATE 08/15/94
 BY J.M. METZGER
 NO. 0000000000

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	825
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8				
				62694



EARTHWORK QUANTITIES (SF)
 EXCAVATION = 775.8
 UNSUITABLE = 47.9
 EMBANKMENT = 3.0
 TOPSOIL = 61.6

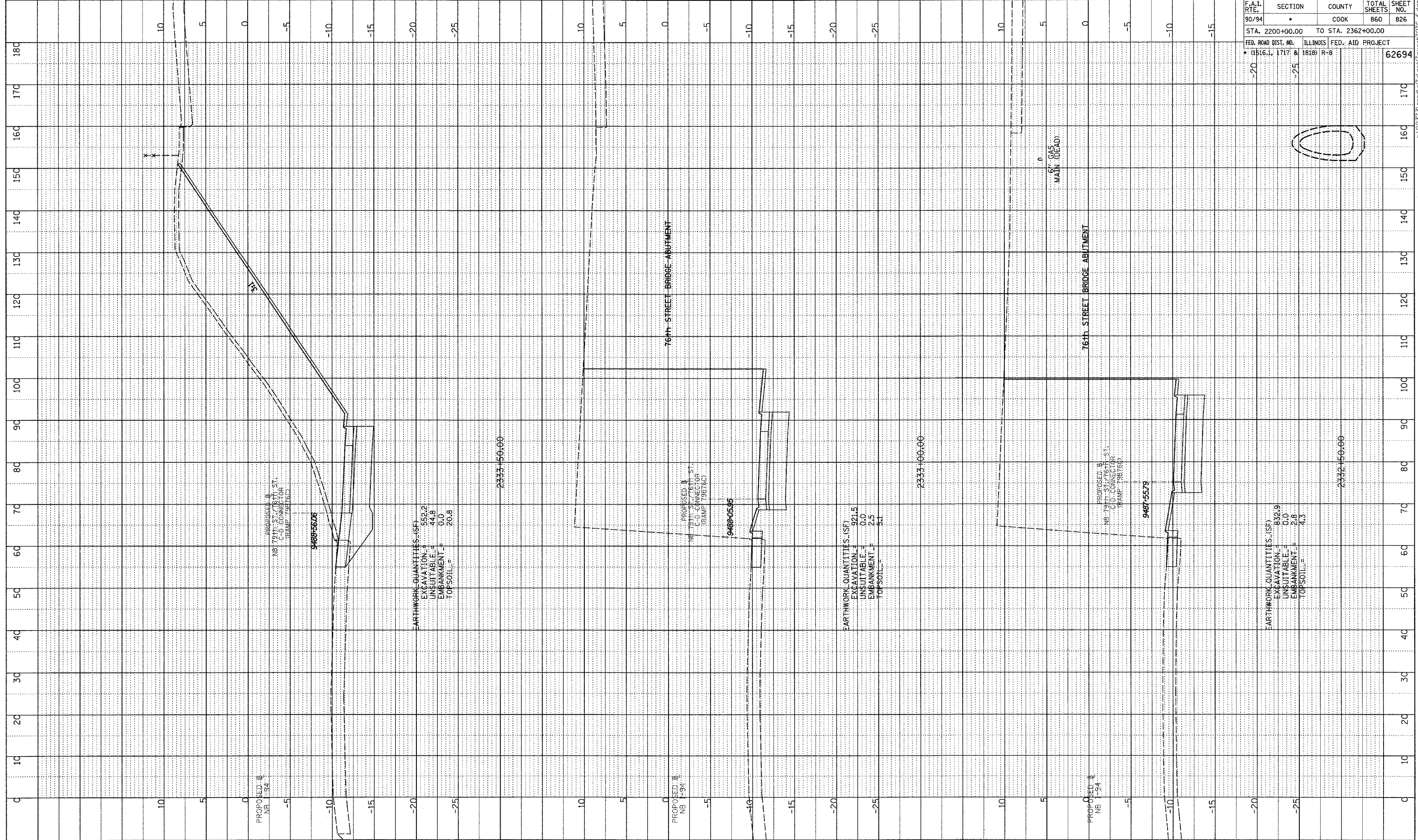
EARTHWORK QUANTITIES (SF)
 EXCAVATION = 675.8
 UNSUITABLE = 46.3
 EMBANKMENT = 3.3
 TOPSOIL = 62.3

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 425.7
 UNSUITABLE = 47.4
 EMBANKMENT = 8.1
 TOPSOIL = 59.9



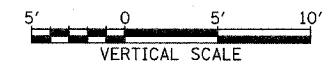
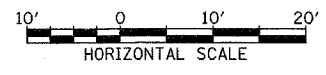
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PROF. ILL. SUBMITTED
 GRADES CHECKED
 NOTE BOOK NO. 101
 DATE 10/11/94
 BY J. W. HARRIS



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	826
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (1516.1, 1717 & 1818) R-8				62694

TYLIN INTERNATIONAL



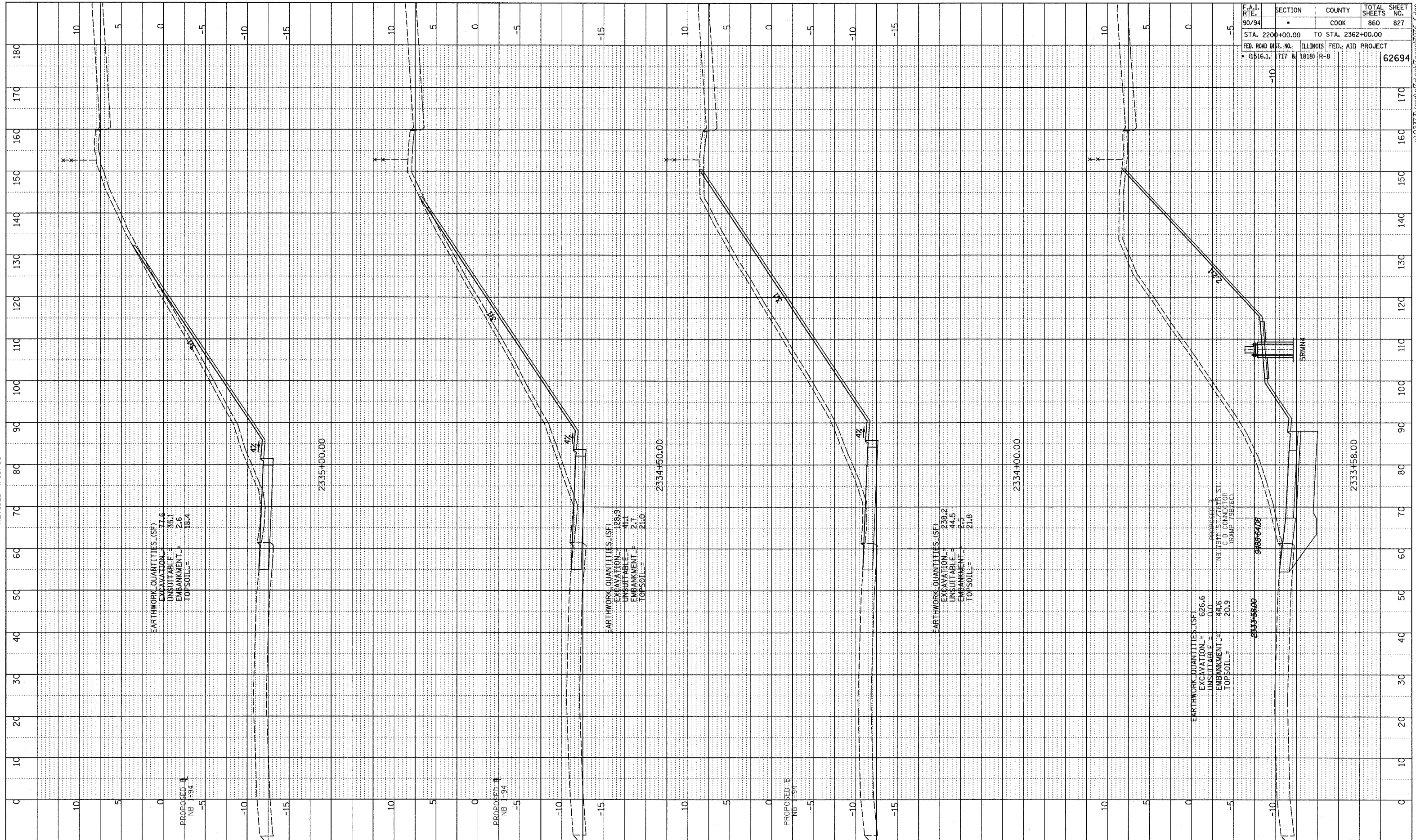
NB 79th TO 76th C-D RAMP
 STA. 2332+50 TO STA. 2333+50

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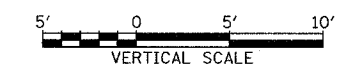
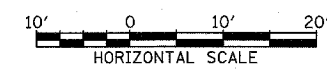
NOTE BOOK GRADES CHECKED
 E.M. NOTED
 NO. 10
 REVISIONS
 REVISION NO. 1
 DATE 4/15/05

REVISED 4/15/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	827
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-8		62694		



TYLIN INTERNATIONAL

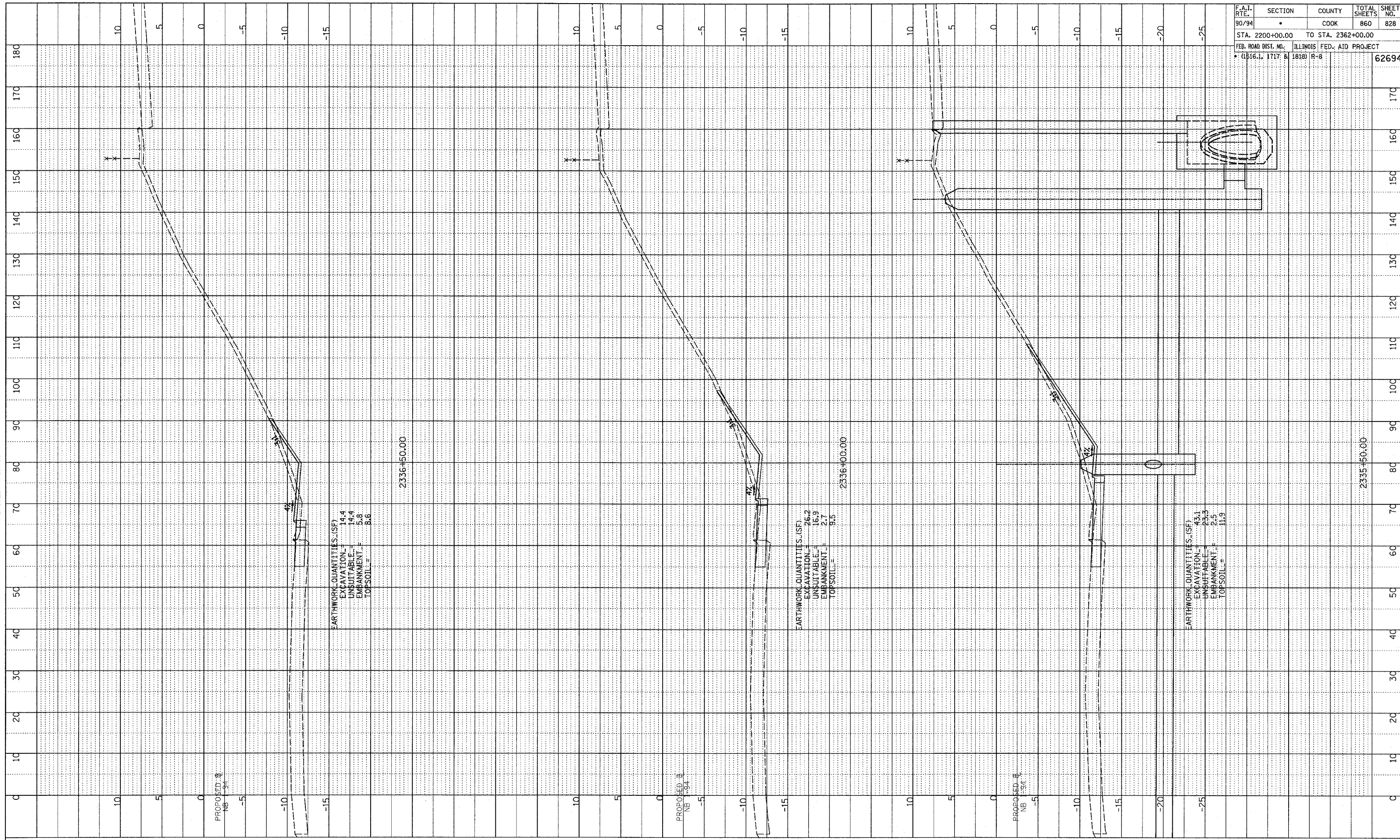


NB 79th TO 76th C-D RAMP
 STA. 2334+00 TO STA. 2335+00

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NOTE BOOK GRADES CHECKED
 NO. E.M. NOTED
 REVISIONS METATINS CHWD
 REVISED 4/15/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	828
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-8		62694		

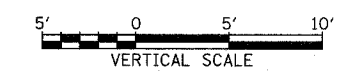
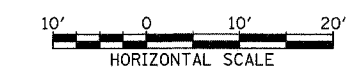


EARTHWORK QUANTITIES (SF)
 EXCAVATION = 14.4
 UNSUITABLE = 14.4
 EMBANKMENT = 5.8
 TOPSOIL = 8.6

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 26.2
 UNSUITABLE = 16.9
 EMBANKMENT = 2.7
 TOPSOIL = 9.5

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 43.1
 UNSUITABLE = 25.5
 EMBANKMENT = 2.5
 TOPSOIL = 11.9

TYLIN INTERNATIONAL

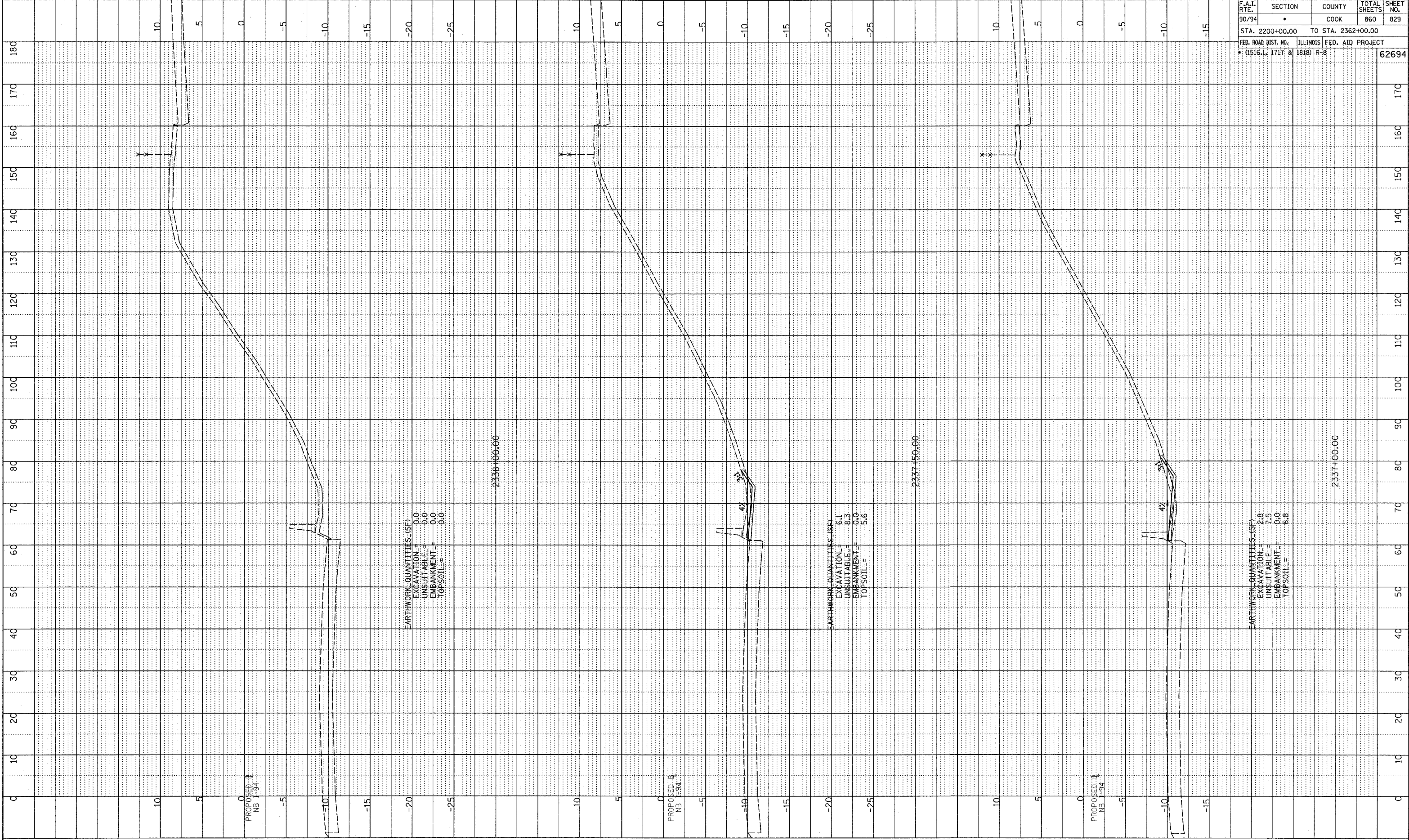


NB 79th TO 76th C-D RAMP
 STA. 2335+50 TO STA. 2336+50

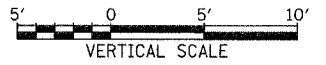
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PLOTTED & CHECKED
 DATE: 11/11/94
 STRUCTURE NOTATION: CHNO
 NO. _____

F.A.I. RTE. 90/94	SECTION •	COUNTY COOK	TOTAL SHEETS 860	SHEET NO. 829
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO. • (1516.1, 1717 & 1818) R-8		ILLINOIS FED. AID PROJECT		62694



TYLIN INTERNATIONAL

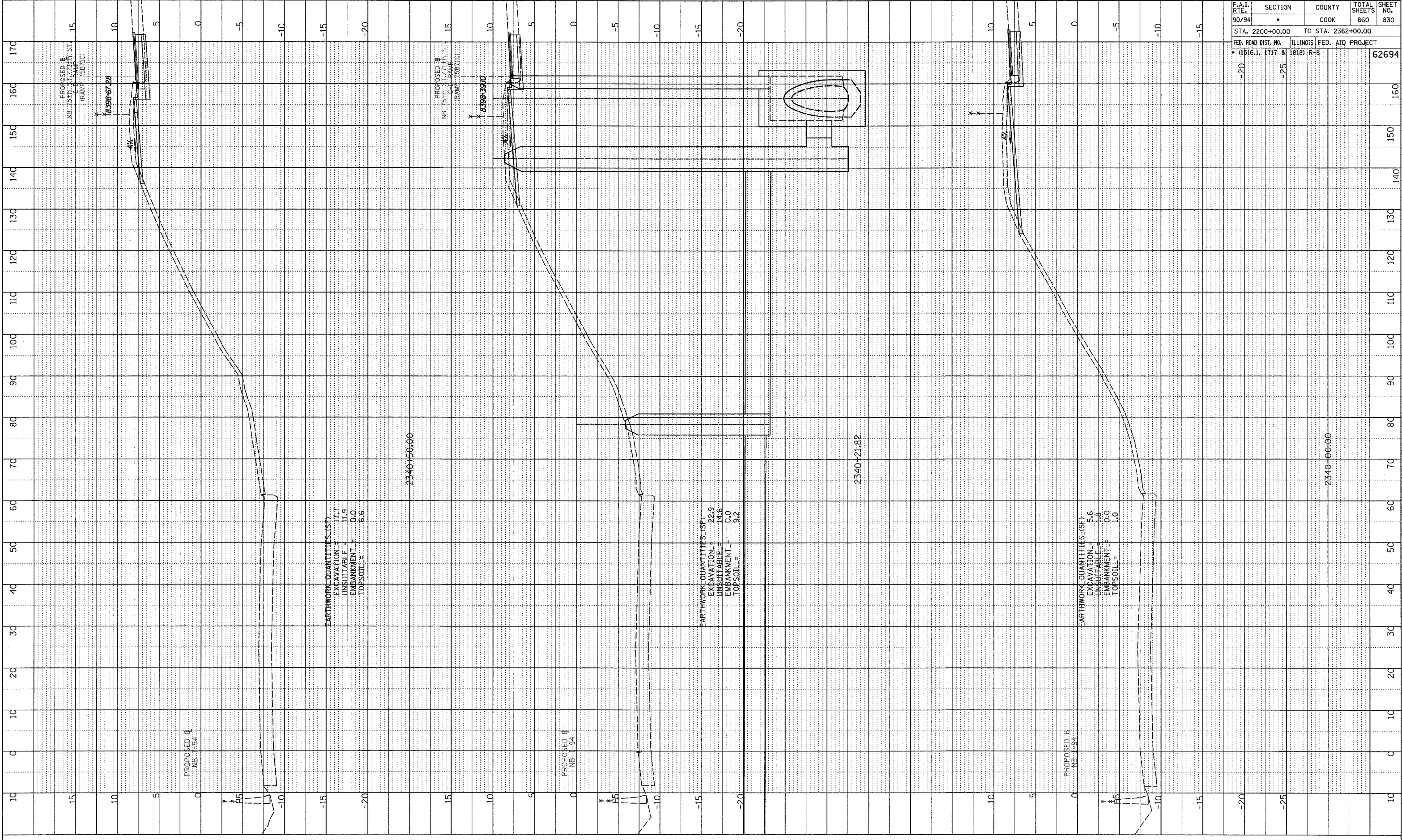


NB 79th TO 76th C-D RAMP
STA. 2337+00 TO STA. 2338+00

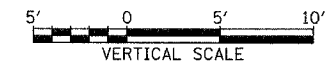
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PLOTTED
BY: J. G. BROWN
DATE: 08/11/11
STRUCTURE NOTATION: CHRD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	830
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. (1516.1, 1717 & 1818)		ILLINOIS FED. AID PROJECT R-8		62694



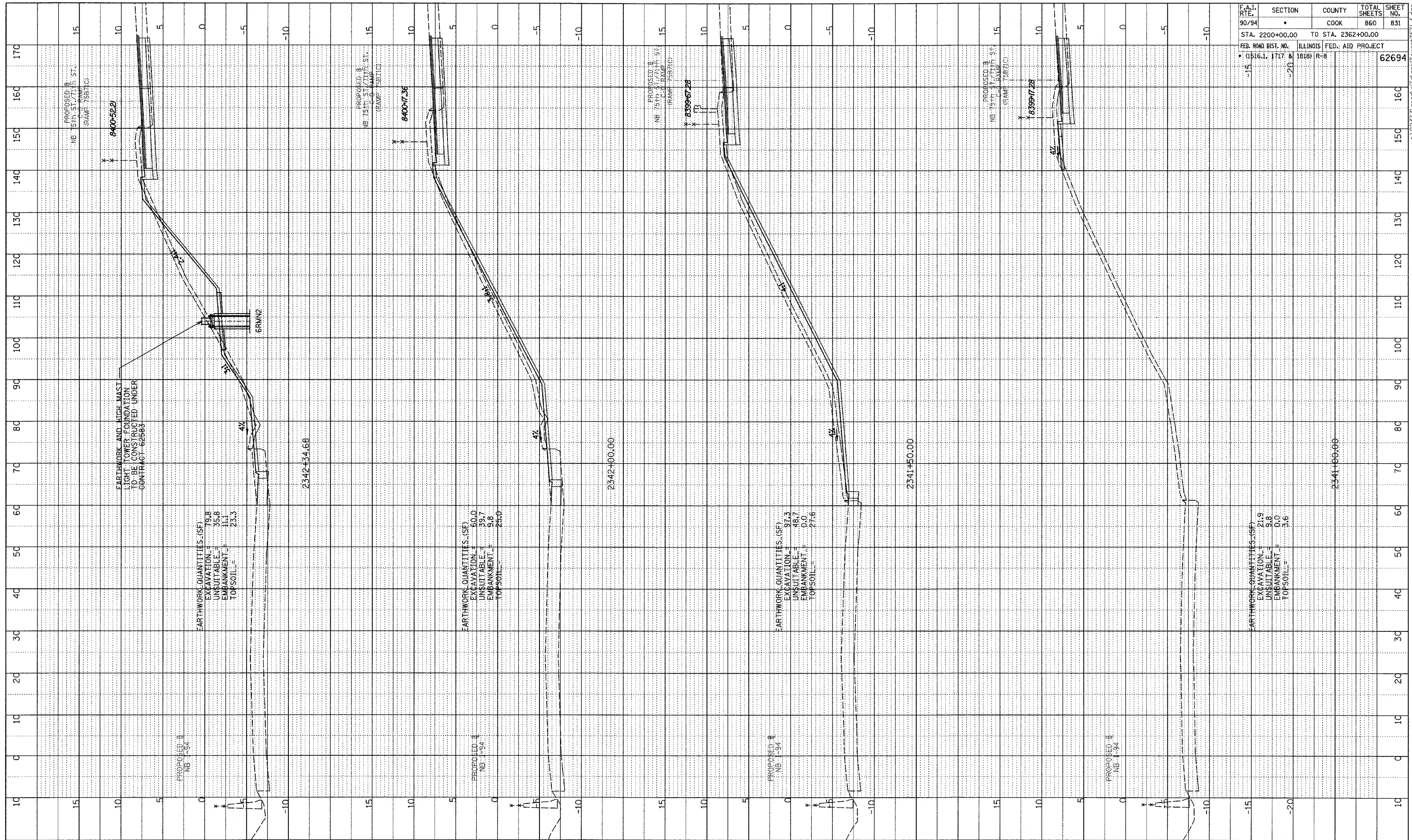
TYLIN INTERNATIONAL



NB 75th TO 71st, C-D RAMP
 STA. 2340+21 TO STA. 2341+00

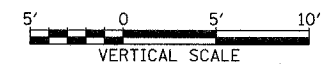
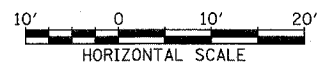
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PROF. ILL. DRAWING
 NOTE BOOK GRADES CHECKED
 NO. DATE BY
 STRUCTURE NOTATION CHKD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	831
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		62694
• (1516.1, 1717 & 1818) R-8				

TYLINT INTERNATIONAL

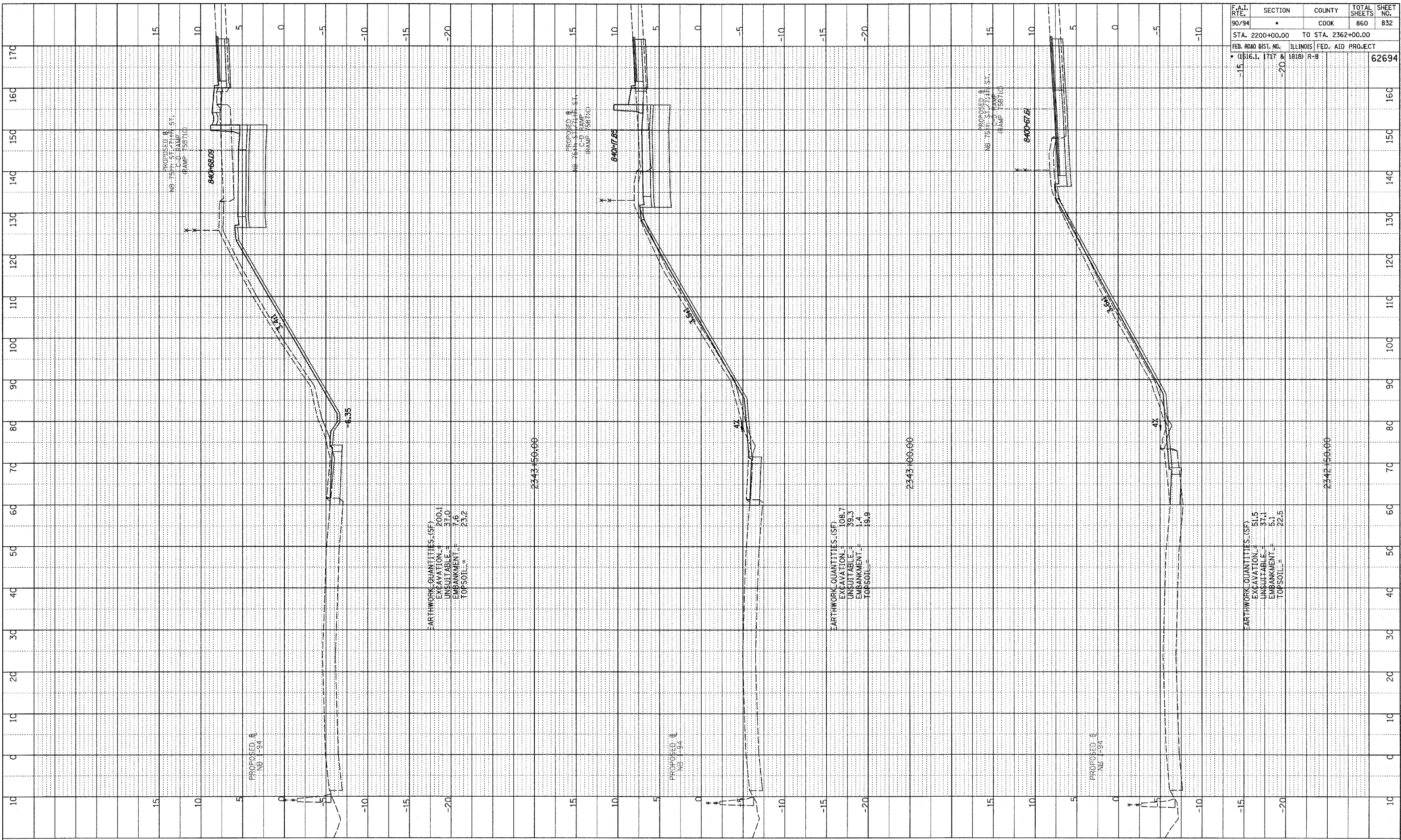


NB 75th TO 71st. C-D RAMP
 STA. 2341+50 TO STA. 2342+34

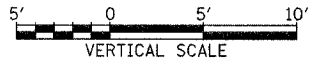
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 DATE RECEIVED
 BY
 STRUCTURE NOTATION CIPRD
 NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	832
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
1516.1, 1717 & 1818		R-8		62694



TYLIN INTERNATIONAL

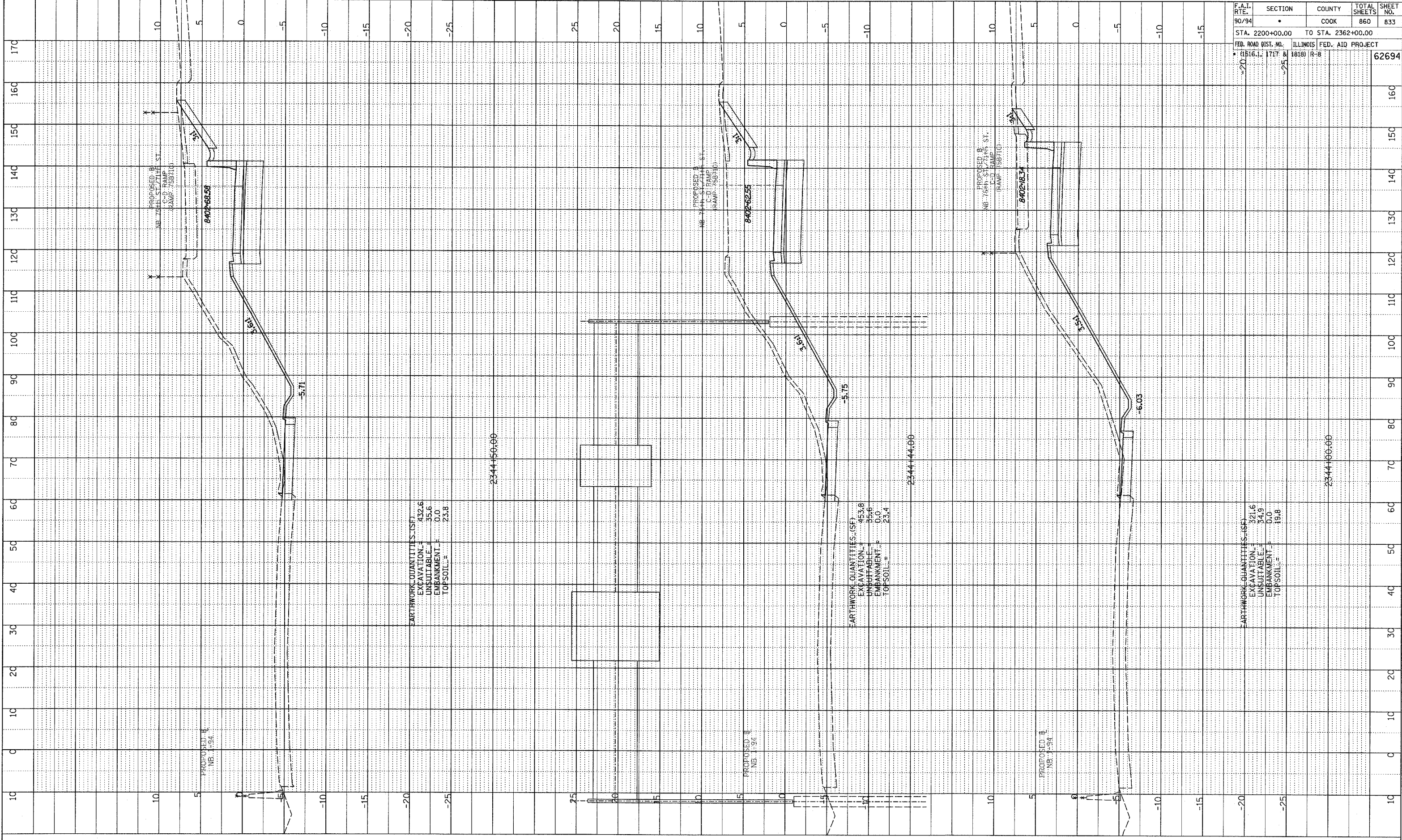


NB 75th TO 71st. C-D RAMP
 STA. 2342+50 TO STA. 2343+50

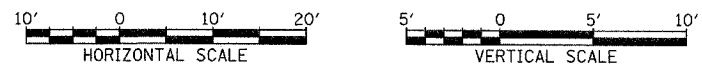
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NOTE BOOK
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 NO. _____
 STRUCTURE NOTATION CHKO

F.A.T. RTE. 90/94	SECTION •	COUNTY COOK	TOTAL SHEETS 860	SHEET NO. 833
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO. • (1516.1, 1717 & 1818)		ILLINOIS FED. AID PROJECT R-8		62694



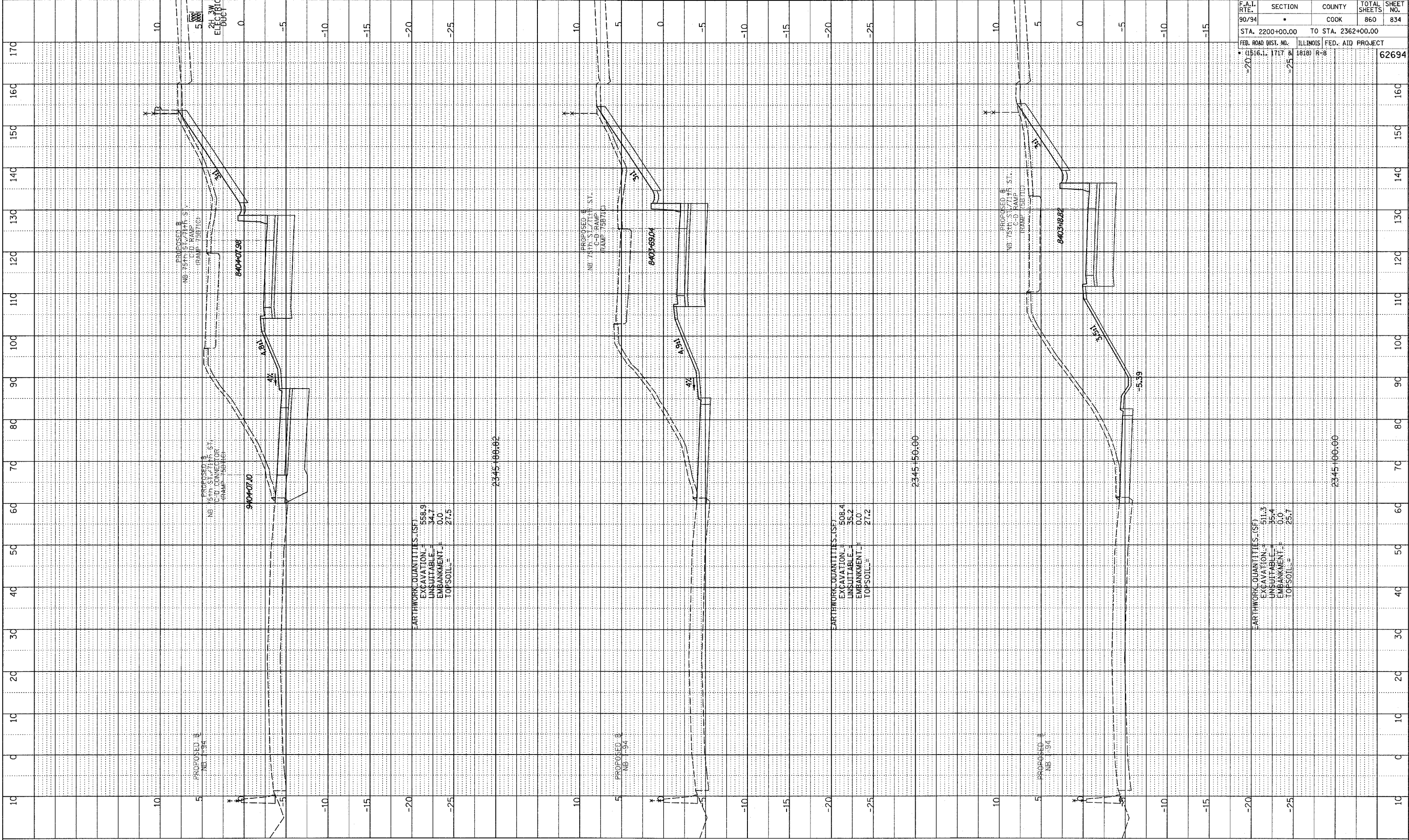
TYLIN INTERNATIONAL



NB 75th TO 71st, C-D RAMP
 STA. 2344+00 TO STA. 2344+50

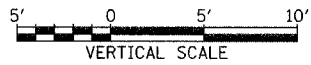
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 NO. [blank]
 STRUCTURE NOTATION: CHRD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	834
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8		62694		

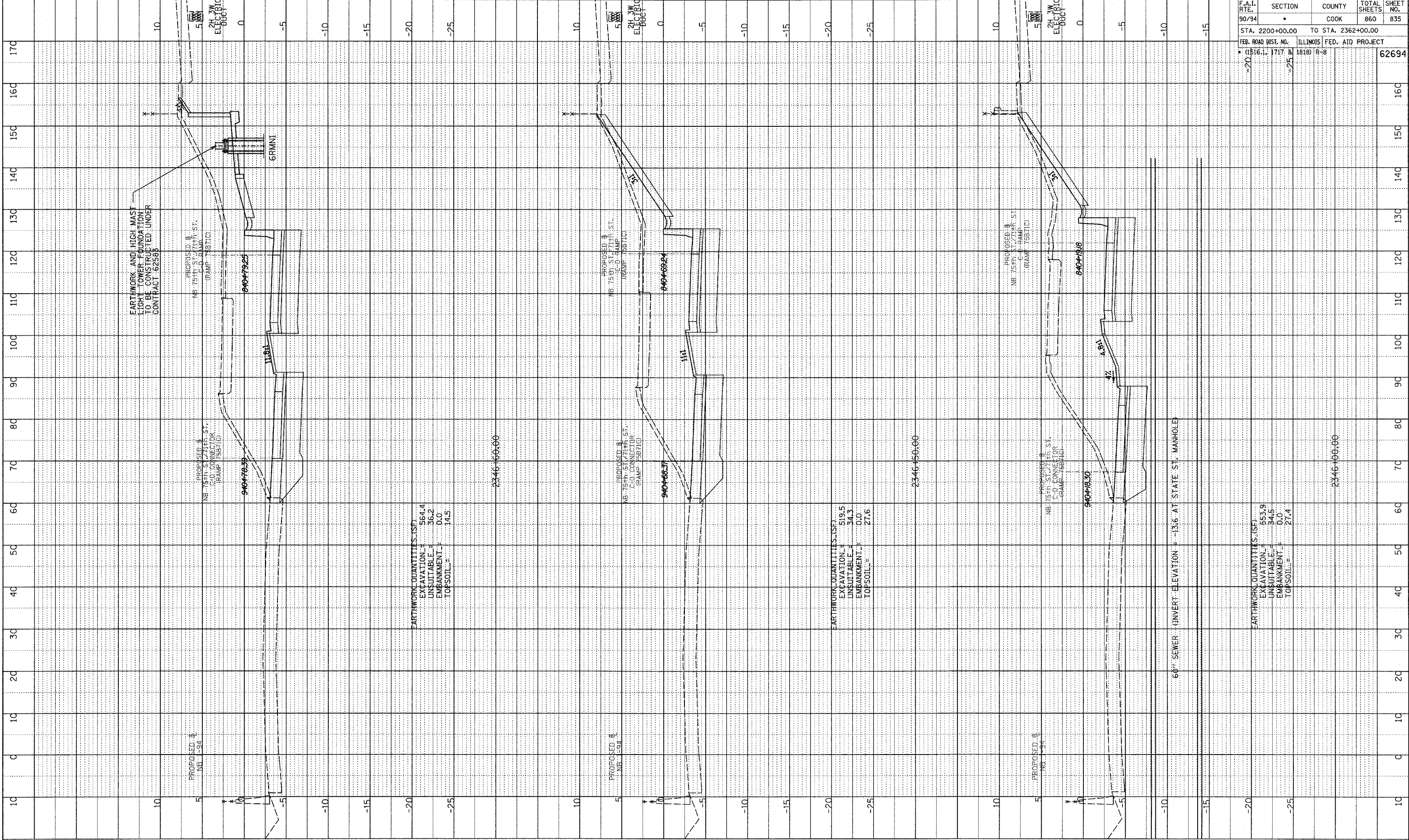
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2345+00 TO STA. 2345+88

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PLOTTED & CHECKED
 DATE: 11/11/11
 STRUCTURE NOTATION: CPND
 NO. _____



EARTHWORK AND HIGH MAST
 LIGHT TOWER FOUNDATION
 TO BE CONSTRUCTED UNDER
 CONTRACT 62588

PROPOSED B
 NB 75th ST. 711th ST.
 C-D RAMP
 (RAMP 75B71C)

94047925

PROPOSED B
 NB 75th ST. 711th ST.
 C-D CONNECTOR
 (RAMP 75B71D)

94047839

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 564.4
 UNSUITABLE = 36.2
 EMBANKMENT = 0.0
 TOPSOIL = 14.5

2346+60.00

PROPOSED B
 NB 75th ST. 711th ST.
 C-D RAMP
 (RAMP 75B71C)

94046924

PROPOSED B
 NB 75th ST. 711th ST.
 C-D CONNECTOR
 (RAMP 75B71D)

94046837

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 519.5
 UNSUITABLE = 34.3
 EMBANKMENT = 0.0
 TOPSOIL = 27.6

2346+50.00

PROPOSED B
 NB 75th ST. 711th ST.
 C-D RAMP
 (RAMP 75B71C)

94049318

PROPOSED B
 NB 75th ST. 711th ST.
 C-D CONNECTOR
 (RAMP 75B71D)

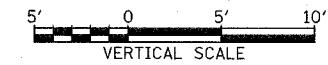
94049330

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 553.9
 UNSUITABLE = 34.5
 EMBANKMENT = 0.0
 TOPSOIL = 27.4

2346+60.00

60" SEWER (INVERT ELEVATION = -13.6 AT STATE ST. MANHOLE)

TYLIN INTERNATIONAL

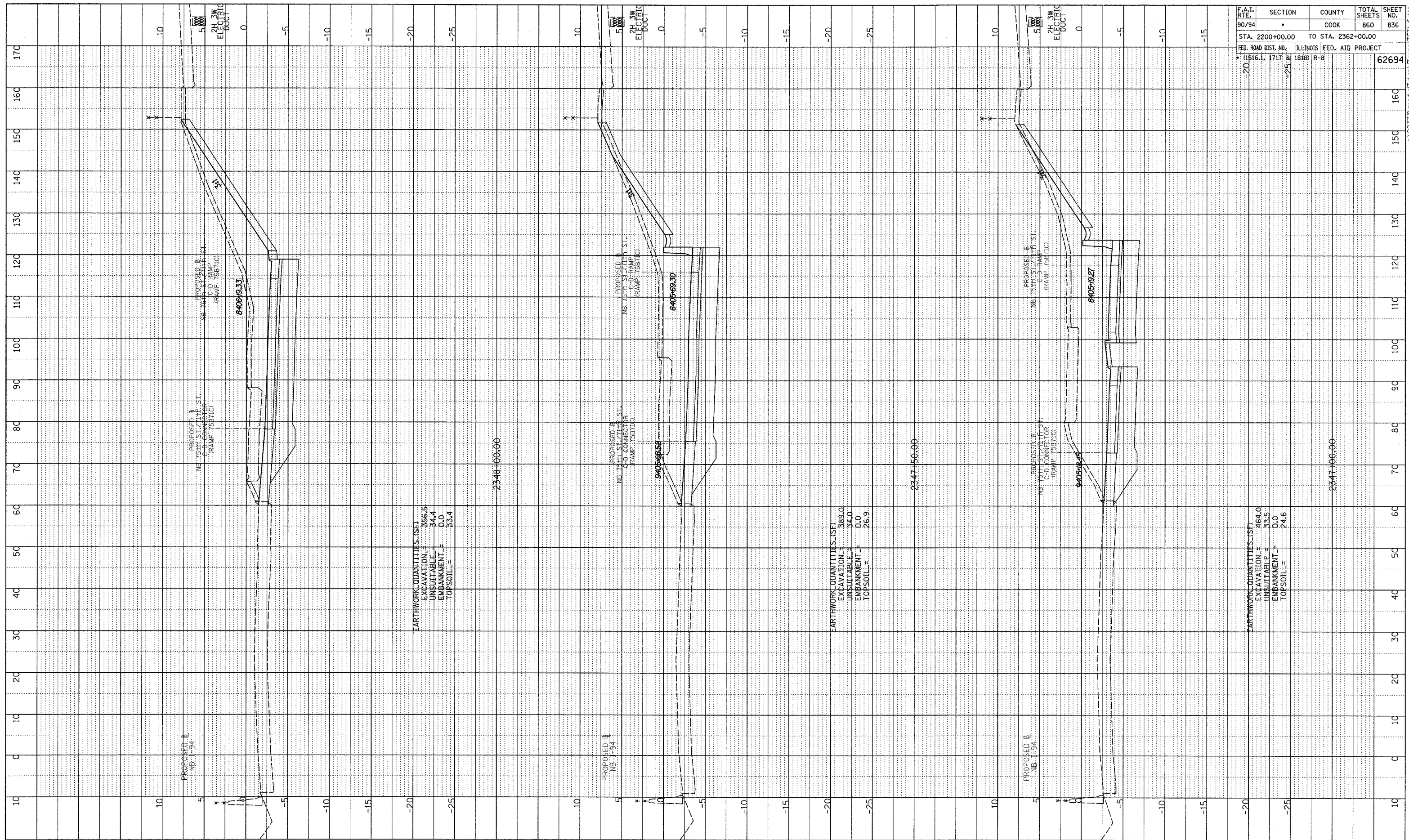


NB 75th TO 71st. C-D RAMP
 STA. 2346+00 TO STA. 2346+60

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	835
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717 & 1818) R-8				62694

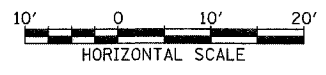
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PROFILE SLAVED
 GRADES CHECKED
 NOTE BOOK NO. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	836
STA. 2200+00.00 TO STA. 2362+00.00		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8		62694		

TYLIN INTERNATIONAL

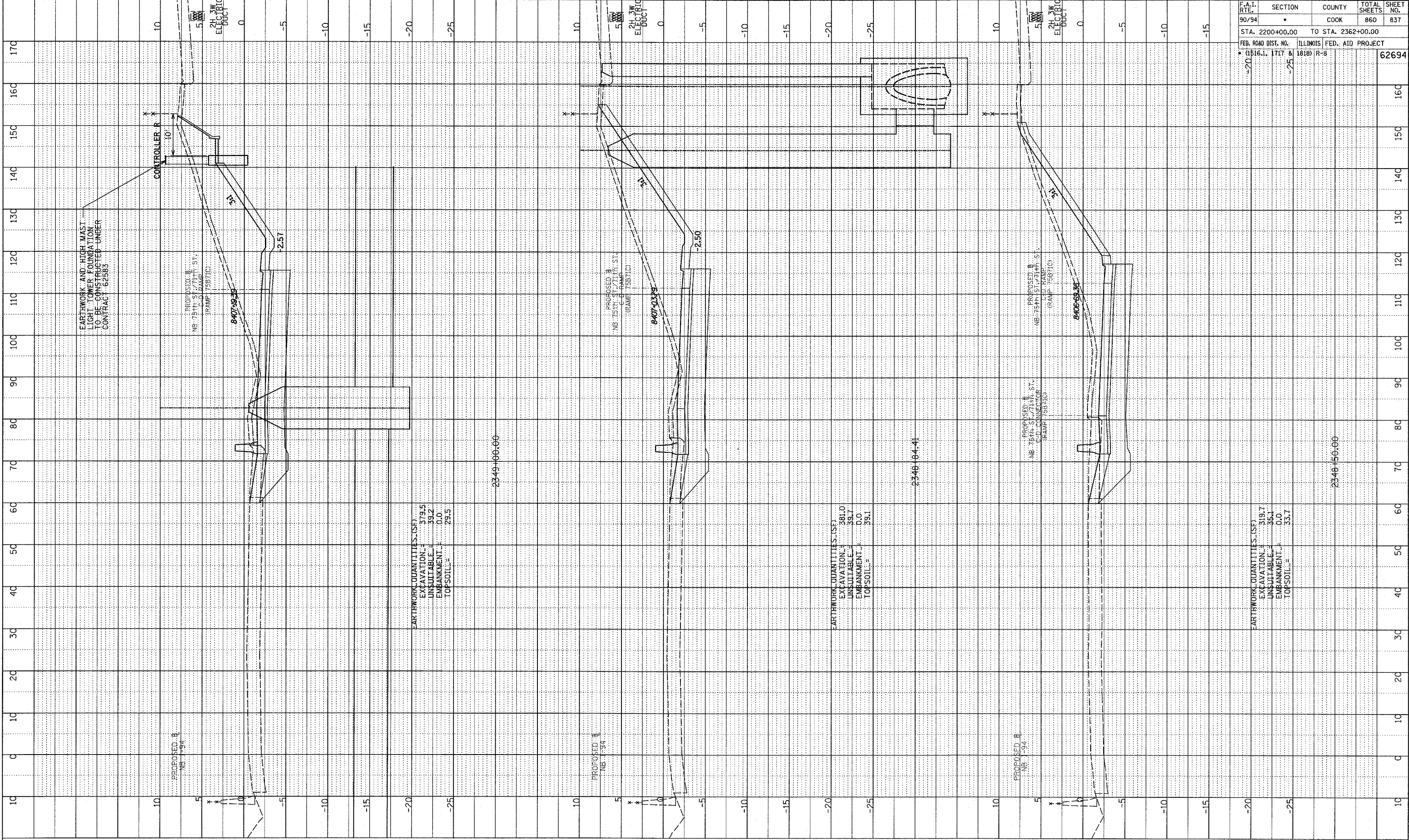


NB 75th TO 71st. C-D RAMP
 STA. 2347+00 TO STA. 2348+00

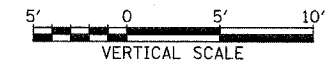
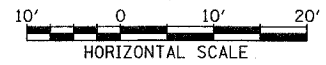
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PLOTTED
 CHECKED
 NO. _____
 STRUCTURE NOTATION C190

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	837
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8				
				62694



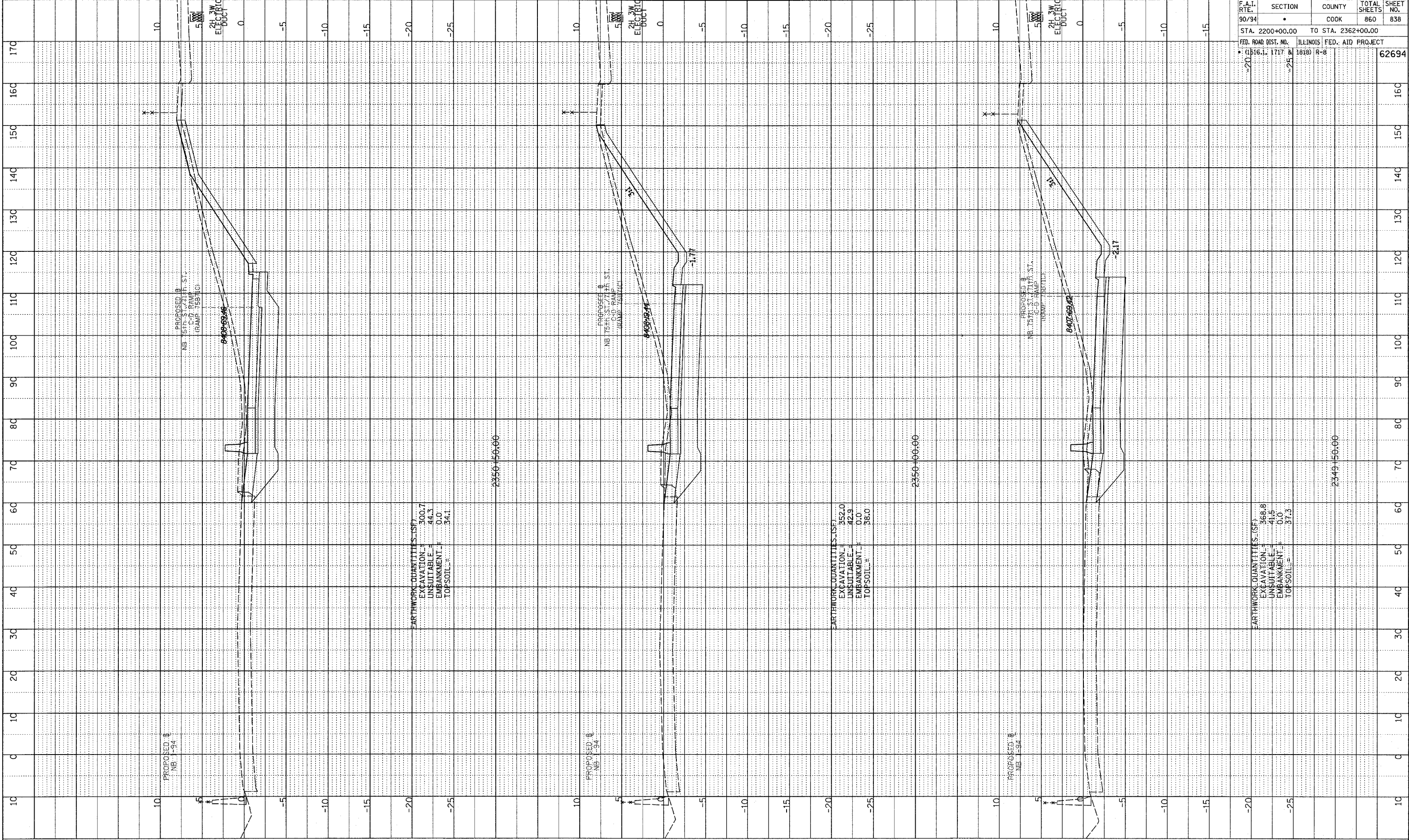
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2348+50 TO STA. 2349+00

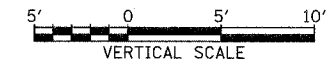
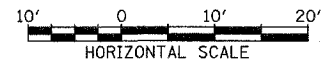
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NOTE BOOK
 PLANTED
 EROSION CONTROL
 STRUCTURE NOTATION CHRD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	838
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

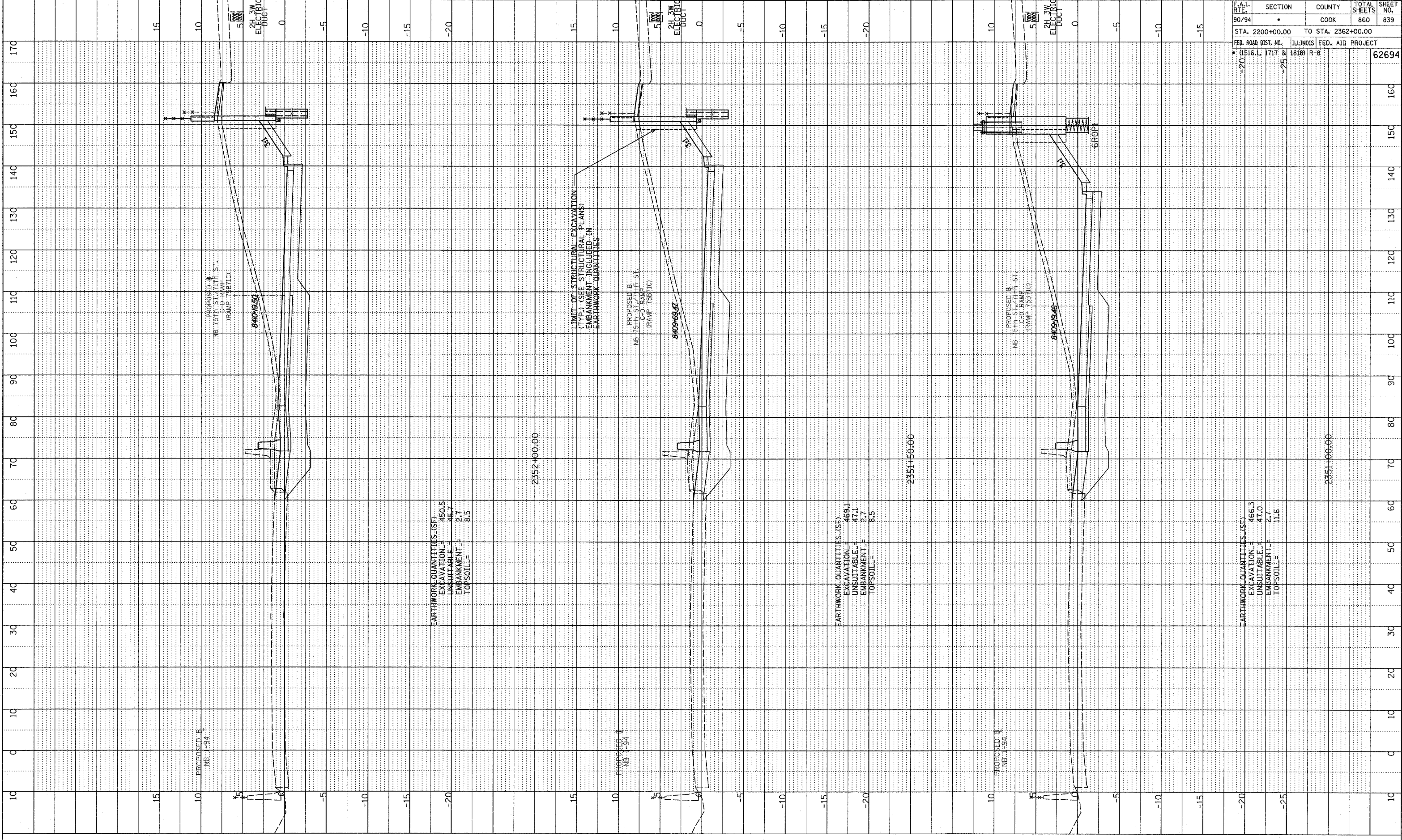
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2349+50 TO STA. 2350+50

PLAN 2349+50 TO 2350+50

NOTED
 PLANNED
 STRUCTURE NOTATION CIRCO

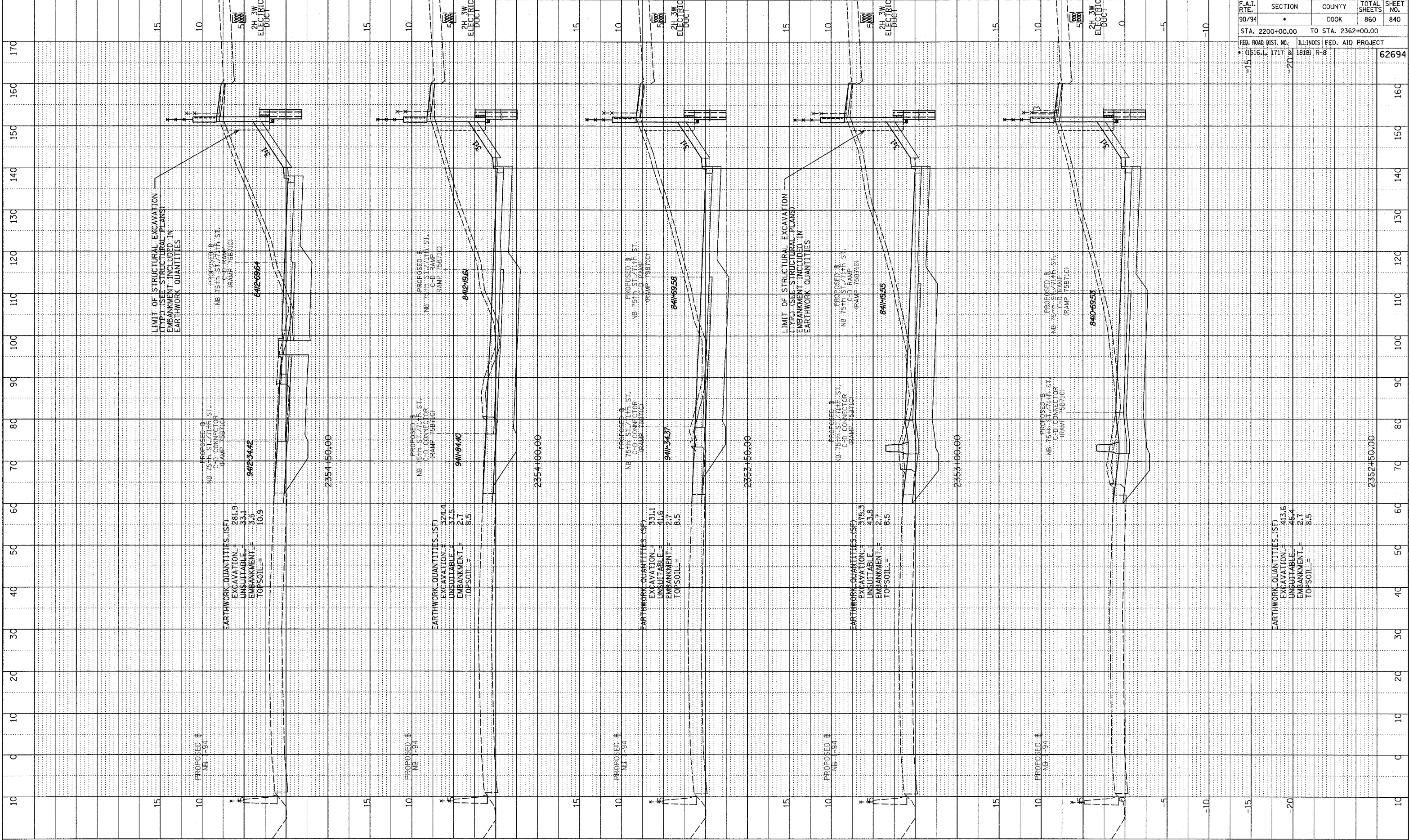


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	839
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-8				62694



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 DRAWINGS CHECKED
 NO. _____
 STRUCTURE NOTATION CIPAD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	840
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-8				
				62694

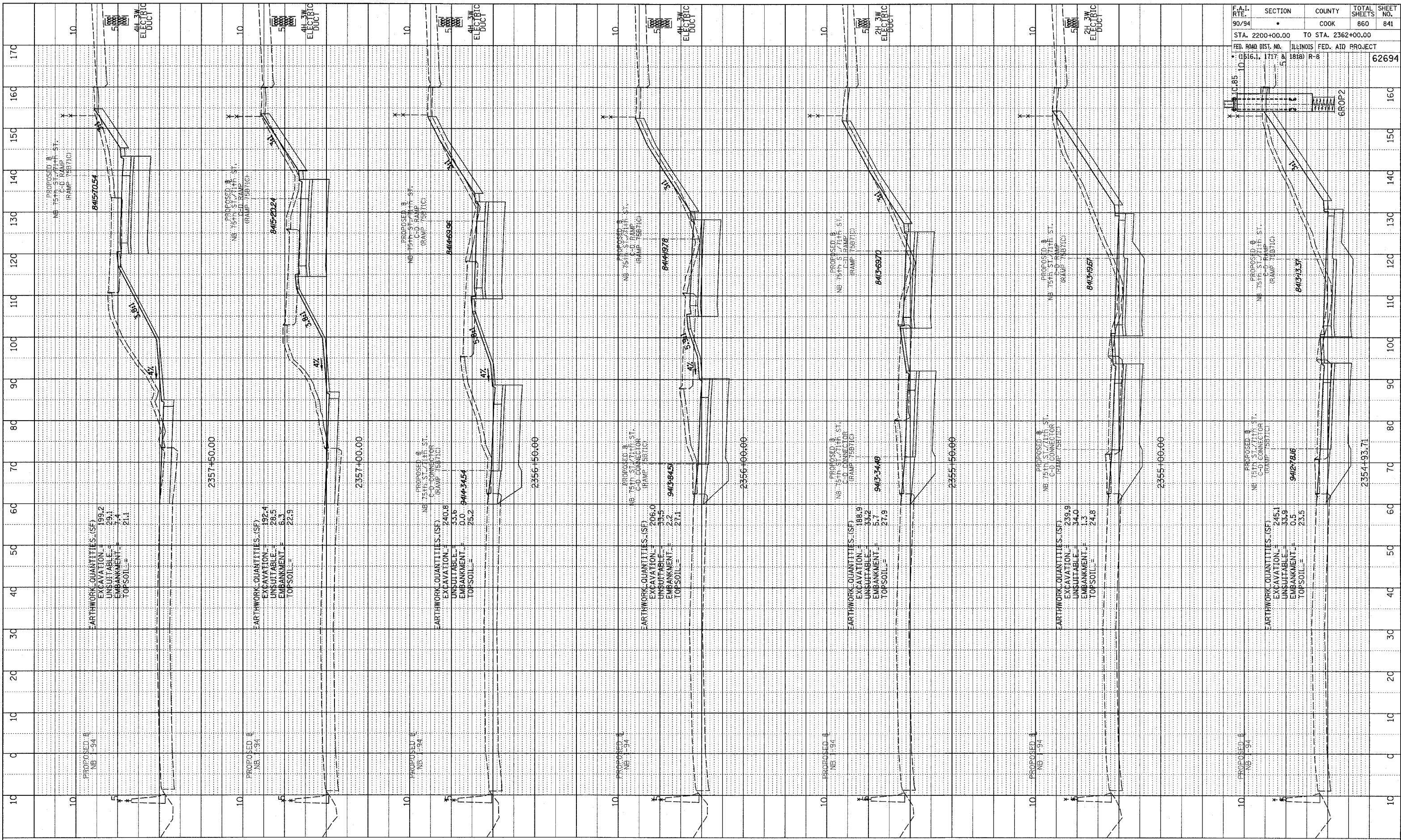
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2352+50 TO STA. 2354+50

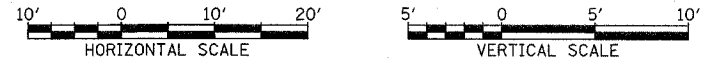
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NOTE BOOK
 NO. _____
 PLOTTED / CHECKED
 (SCALE) _____
 STRUCTURE NOTATION: CRKD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	841
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717 & 1818) R-8				
				62694

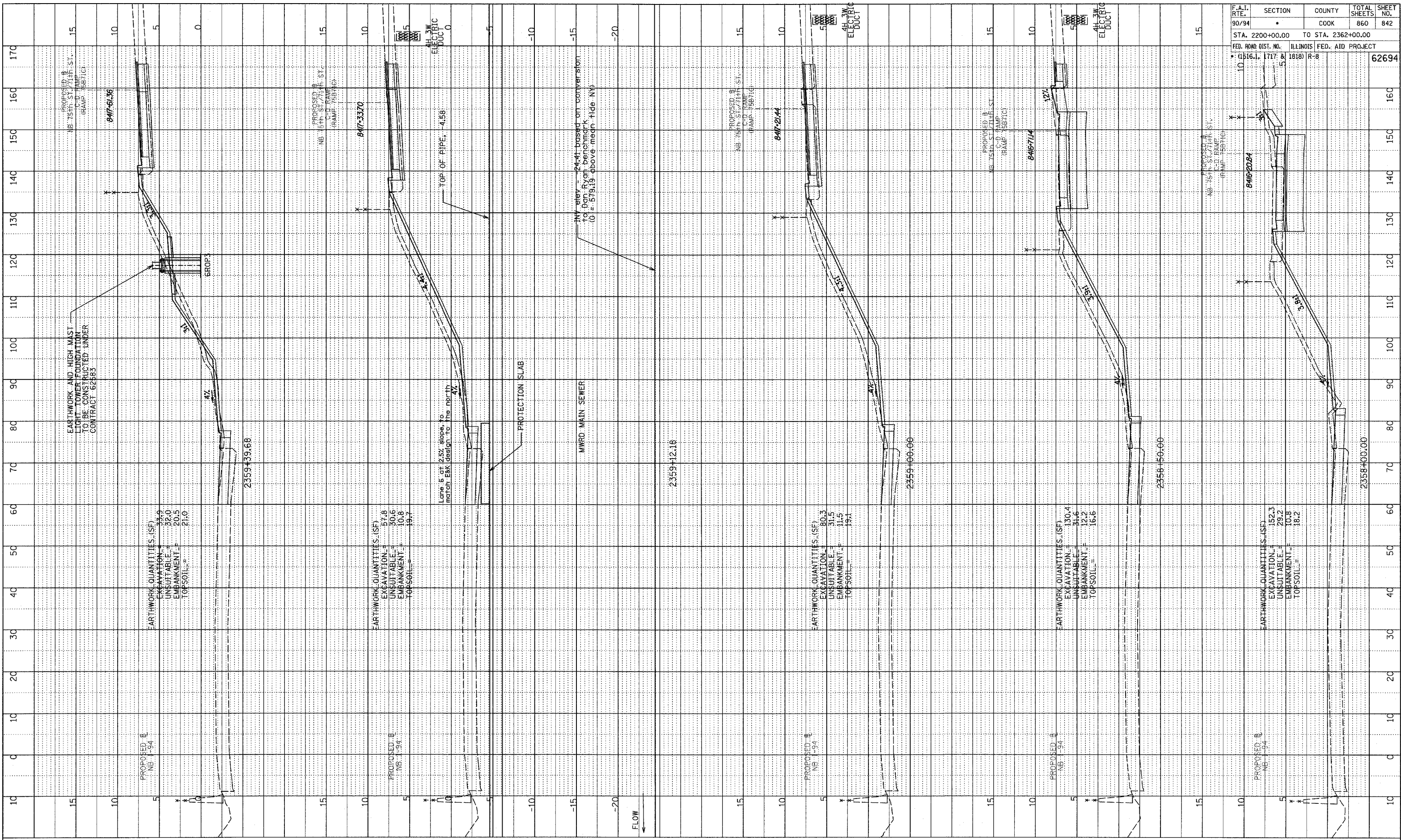
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2354+93 TO STA. 2357+50

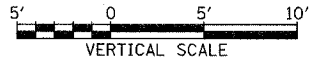
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PLATED
 REVISIONS
 NO. DATE BY
 STRUCTURE NOTATION CHNG



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	842
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717 & 1818) R-8		62694		

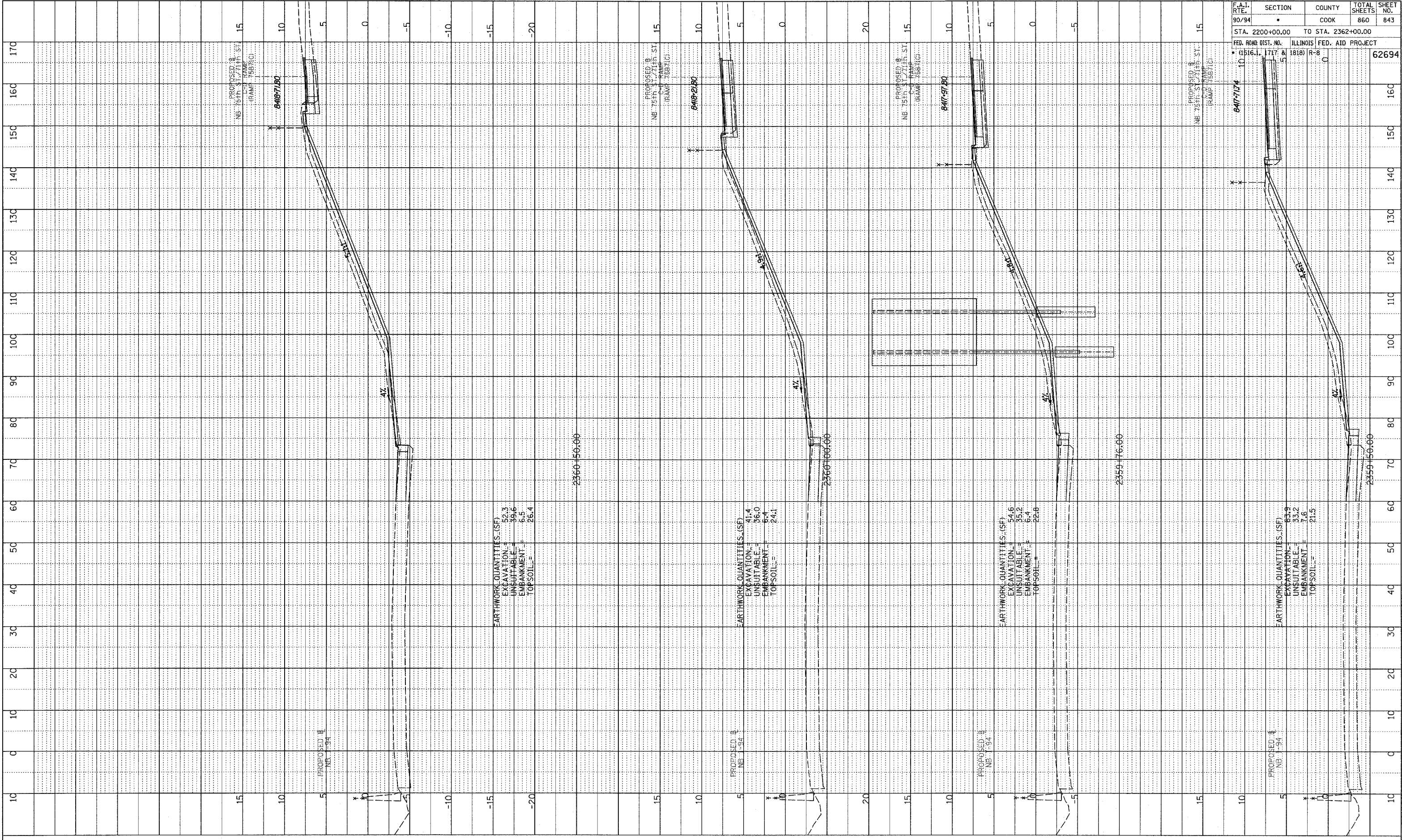
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2358+00 TO STA. 2359+39

PLAN 237 3/road/cvt/04pk/cross/71st_f.dgn

PLOTTED
 DATE: 11/15/94
 BY: J. K. [unreadable]
 NO. [unreadable]
 STRUCTURE NOTATION: CH-40



EARTHWORK QUANTITIES (SF)

EXCAVATION =	52.3
UNSUITABLE =	39.6
EMBANKMENT =	6.5
TOPSOIL =	26.4

EARTHWORK QUANTITIES (SF)

EXCAVATION =	41.4
UNSUITABLE =	36.0
EMBANKMENT =	6.4
TOPSOIL =	24.1

EARTHWORK QUANTITIES (SF)

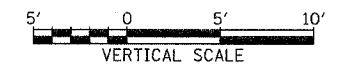
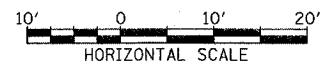
EXCAVATION =	54.6
UNSUITABLE =	35.2
EMBANKMENT =	6.4
TOPSOIL =	22.8

EARTHWORK QUANTITIES (SF)

EXCAVATION =	61.9
UNSUITABLE =	33.2
EMBANKMENT =	7.6
TOPSOIL =	21.5

F.A.T. RTE. 90/94	SECTION	COUNTY COOK	TOTAL SHEETS 860	SHEET NO. 843
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818)		ILLINOIS FED. AID PROJECT R-8		
		62694		

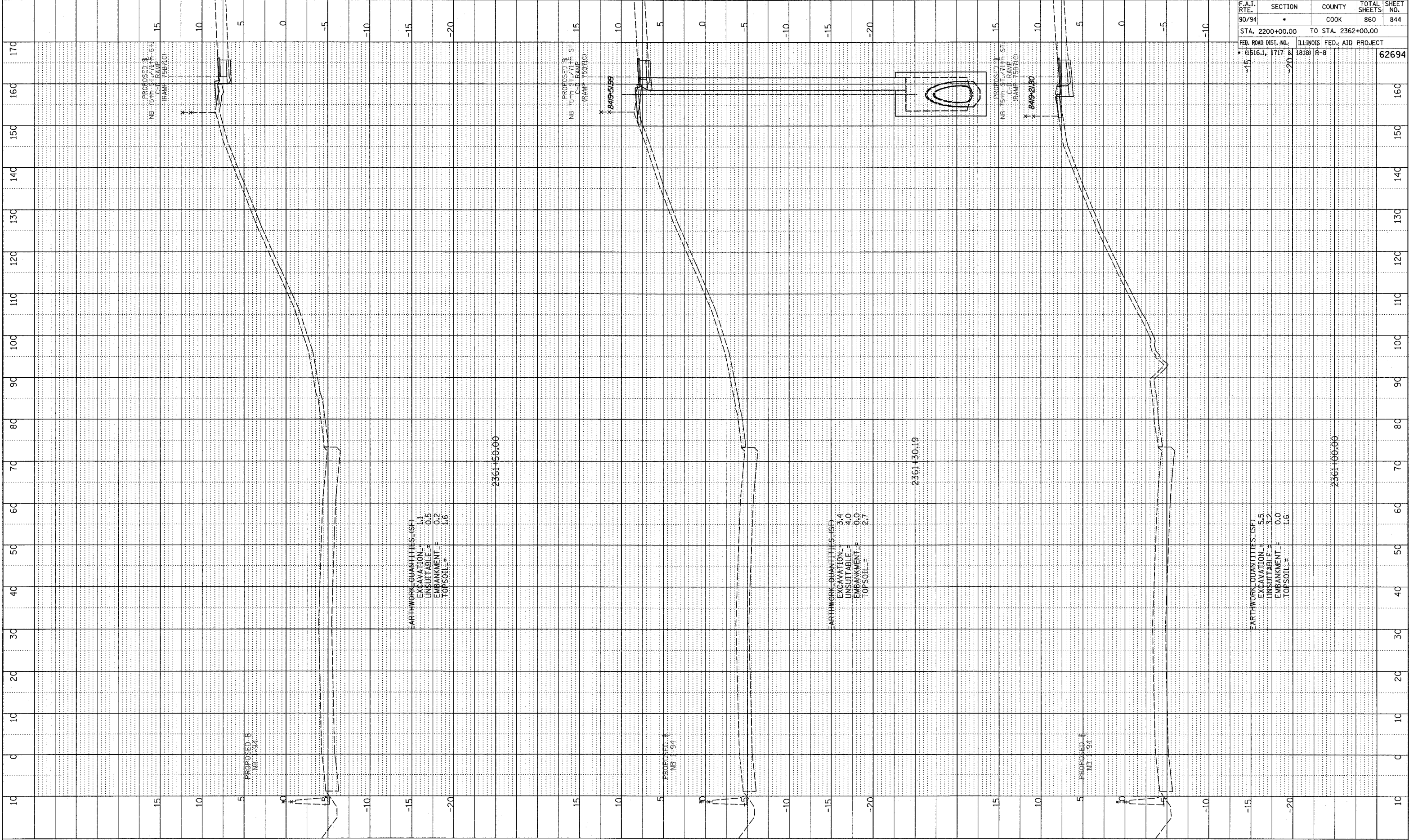
TYLIN INTERNATIONAL



NB 75th TO 71st, C-D RAMP
 STA. 2359+50 TO STA. 2360+50

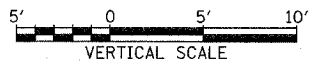
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PLOTTED AND CHECKED
 DRAWING NO. _____
 STRUCTURE NOTATION: CHRD



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	844
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-8		ILLINOIS FED. AID PROJECT		
				62694

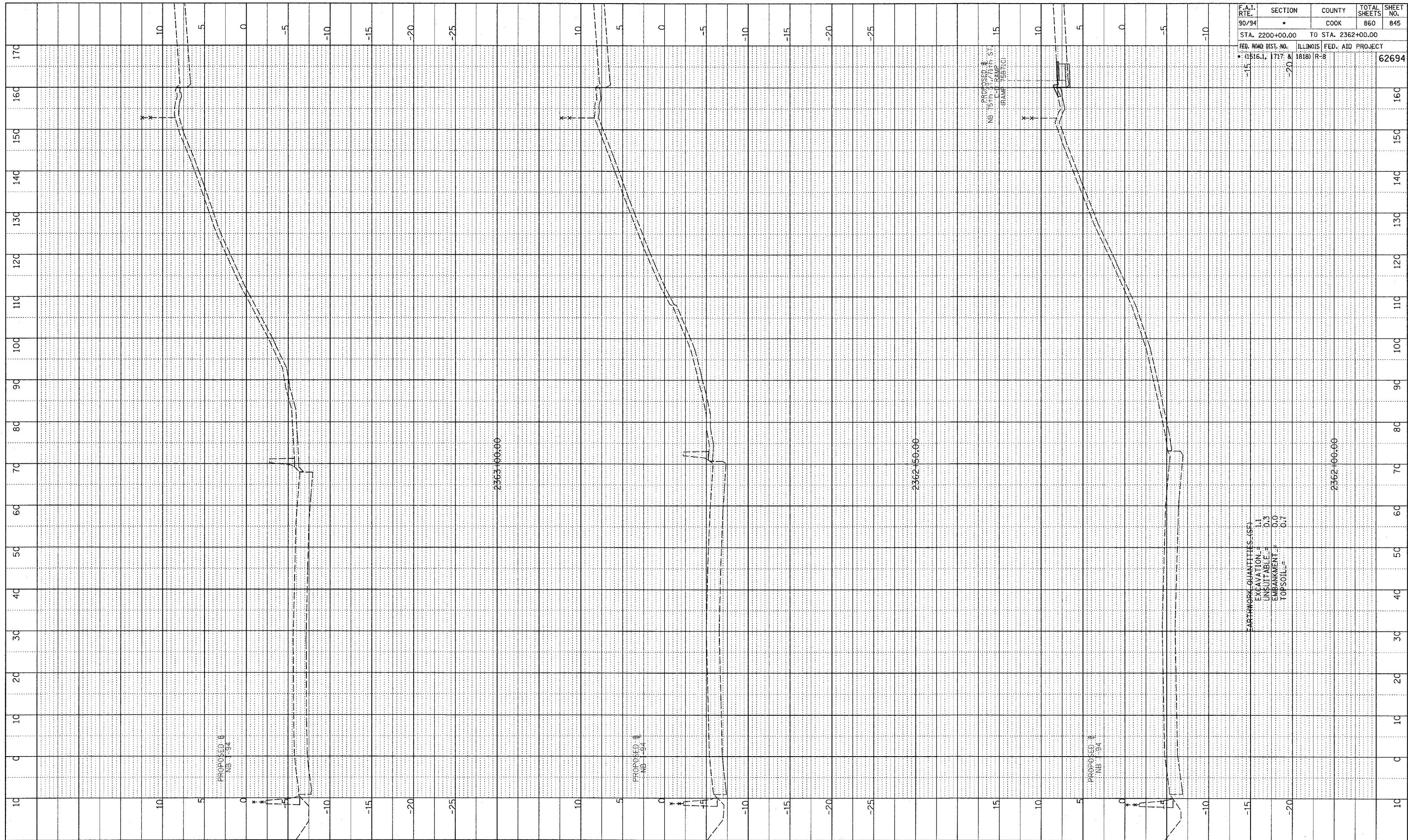
TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2361+00 TO STA. 2361+50

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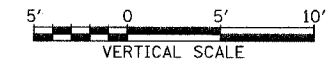
PLATTED, CHECKED
DATE: 11/15/11
STRUCTURE NOTATION: CPMG



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	845
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717 & 1818) R-8				
				62694

EARTHWORK QUANTITIES (SF)
EXCAVATION = 1.1
UNSUITABLE = 0.3
EMBANKMENT = 0.0
TOPSOIL = 0.7

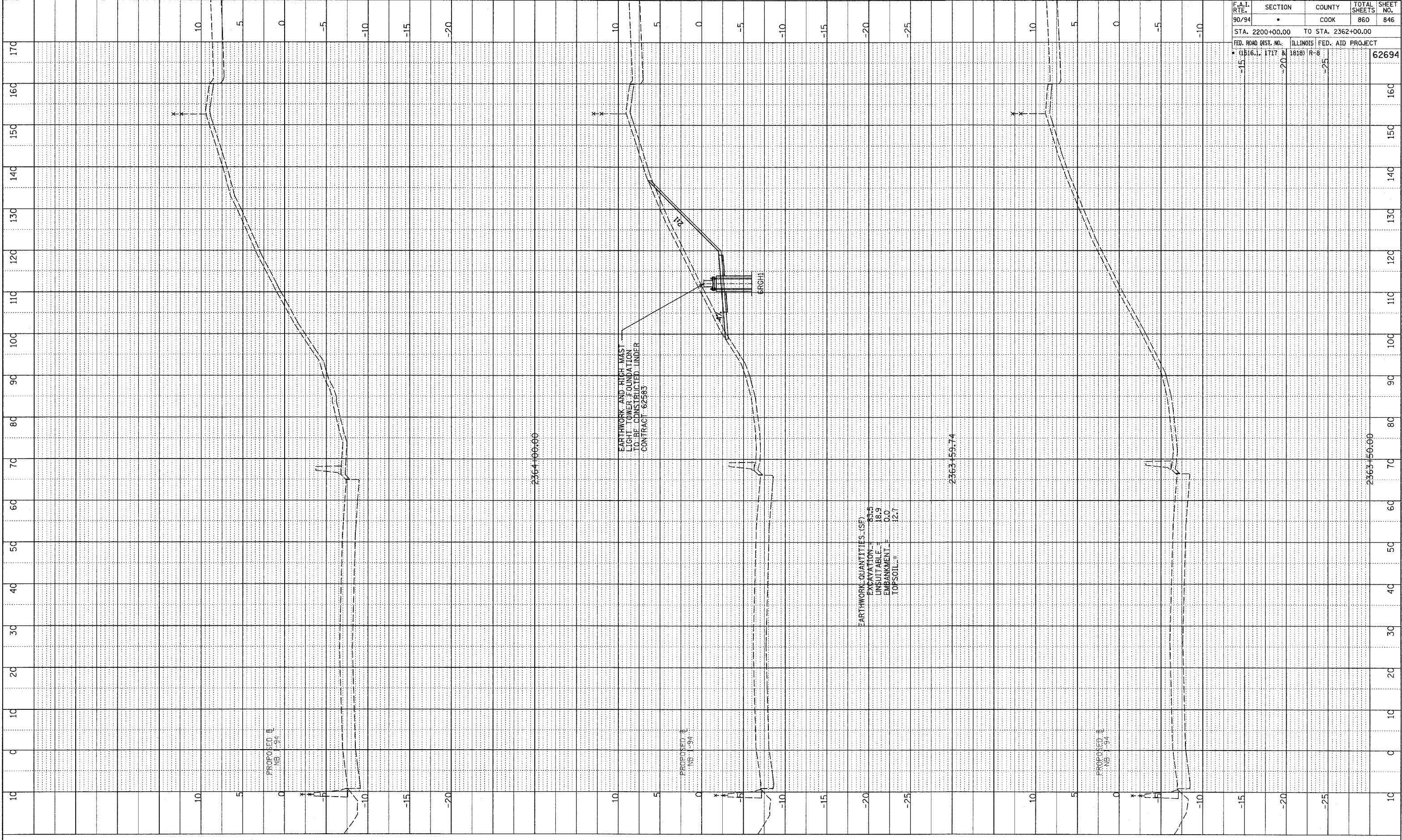
TYLIN INTERNATIONAL



NB 75th TO 71st, C-D RAMP
STA. 2362+00 TO STA. 2363+00

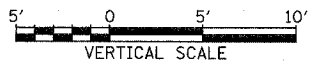
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NOTE BOOK
 PLOTTED & CHECKED
 DRAWING NO. _____
 STRUCTURE NOTATION CIRCO



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	860	846
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO. (1516.1, 1717 & 1818)		ILLINOIS FED. AID PROJECT R-8		62694

TYLIN INTERNATIONAL



NB 75th TO 71st. C-D RAMP
 STA. 2363+50 TO STA. 2364+00

EARTHWORK QUANTITIES (SF)
 EXCAVATION = 83.3
 UNSUITABLE = 18.9
 EMBANKMENT = 0.0
 TOPSOIL = 12.7

EARTHWORK AND HIGH MAST
 LIGHT TOWER FOUNDATION
 TO BE CONSTRUCTED UNDER
 CONTRACT 62583

PROPOSED B
 NB 7-94

PROPOSED B
 NB 7-94

PROPOSED B
 NB 7-94

2364+00.00

2363+50.74

2363+50.00

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 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG P-012
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.40 ft
 North: 1843867.41 ft
 East: 1177837.95 ft
 Station: 2224+98.99
 Offset: 70.09 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

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BORING LOG P-017
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -1.99 ft
 North: 1845256.17 ft
 East: 1177785.74 ft
 Station: 2238+88.69
 Offset: 57.65 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
1.40	7-inch thick CONCRETE --PAVEMENT--	0.0													
0.4	5-inch thick CRUSHED STONE --BASE COURSE--	0.4													
	Hard, gray CLAY to SILTY CLAY	0.4		1	14 5 7 7	> 4.50	11								
		5		2	7 4 6 6	> 4.50	12								
		5		3	11 9 10 11	> 4.50	12								
		10		4	9 8 11 11	> 4.50	12								
		10		5	7 9 10 11	> 4.50	12								
	Boring terminated at 11.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
1.40	7-inch thick CONCRETE --PAVEMENT--	0.0													
0.4	5-inch thick CRUSHED STONE --BASE COURSE--	0.4													
	Soft, black CLAY LOAM	0.4		1	7 5 5 4	NP	18								
	Loose to medium dense, brown SANDY LOAM	5		2	8 4 5 6	NP	6								
		5		3	6 2 2 2	< 0.25	22								
	Very soft, gray CLAY	8.7		4	1 1 2 1	< 0.25	17								
		10		5	3 1 1 1	< 0.25	18								
		15		6	1 2 2 3	< 0.25	20								
	Hard, gray CLAY	15.0		7	5 5 6 6	> 4.50	13								
	Boring terminated at 15.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-012 & P-017

S.N. DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

W Wang Engineering, Inc.
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 wangeng3@wangeng.com
 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG P-018

Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.22 ft
 North: 1845815.36 ft
 East: 1177771.03 ft
 Station: 2244+48.07
 Offset: 58.96 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
2.8	5-inch thick ASPHALT --PAVEMENT--														
4.8	12-inch thick CRUSHED STONE --BASE COURSE--														
0.5	Dense, green-red, coarse SAND --FILL--			1	20 45 30 19	NP	7								
	Stiff, gray SILTY CLAY to SILTY CLAY LOAM --A-6 (10)-- --LL=31%, PL=17%--			2	1 1 1 4	P	1.75	18							
				3	1 1 2 3	P	1.25	19							
	Hard, gray CLAY			4	2 3 7 10	P	4.50	13							
	Medium dense, gray SILT			5	5 10 12 14	NP	24								
	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG P-027

Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.68 ft
 North: 1848226.12 ft
 East: 1177700.46 ft
 Station: 2268+59.85
 Offset: 57.41 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
2.4	3-inch thick ASPHALT --PAVEMENT--														
	Hard, gray CLAY			1	6 4 3 5	P	4.50	17							
	Medium dense, brown SANDY LOAM			2	2 2 3 3	P	1.25	17							
	Stiff to very stiff, gray CLAY --A-4 (4)-- --LL=28%, PL=19%--			3	4 3 3 4	P	1.00	25							
				4	1 1 1 2	P	1.00	27							
				5	1 2 4 6	P	2.50	24							
	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

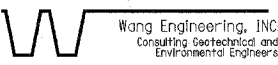
NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-018 & P-027

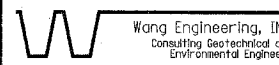
S.N. DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM


Wang Engineering, INC.
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 Lombard, IL 60148
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 Fax: 630 953-9938

BORING LOG P-028
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.01 ft
 North: 1848779.00 ft
 East: 1177692.48 ft
 Station: 2274+12.74
 Offset: 65.27 RT

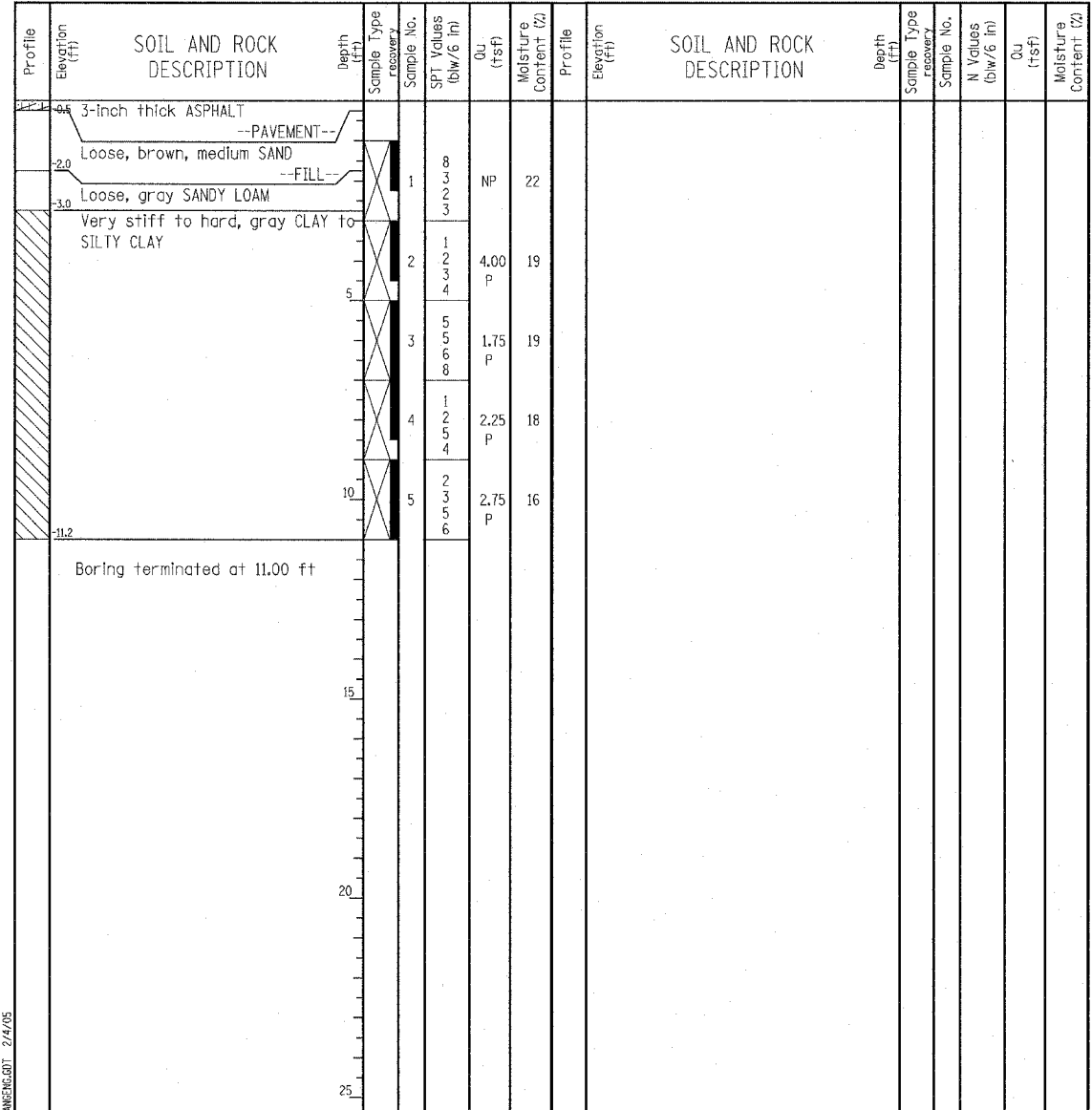
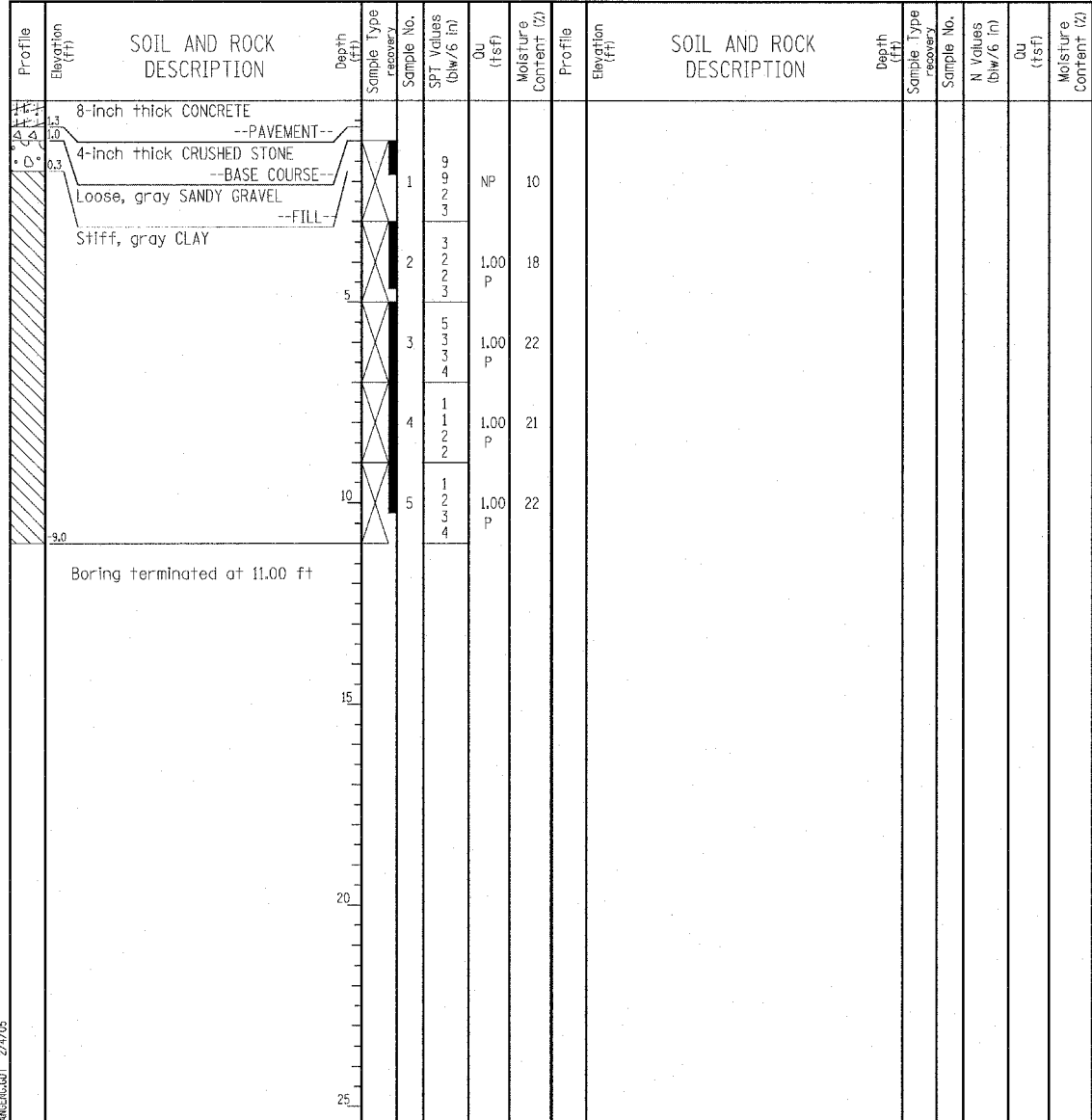
Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street


Wang Engineering, INC.
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 wangeng3@wangeng.com
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 Fax: 630 953-9938

BORING LOG P-044
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -0.22 ft
 North: 1853362.60 ft
 East: 1177534.26 ft
 Station: 2319+96.45
 Offset: 54.36 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	S. Janowski	Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	S. Janowski	Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-028 & P-044
 S.N. _____ DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

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 wangeng3@wangeng.com
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BORING LOG P-045
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 0.16 ft
 North: 1853688.48 ft
 East: 1177525.92 ft
 Station: 2323+21.94
 Offset: 72.28 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

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BORING LOG P-046
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -2.06 ft
 North: 1853999.98 ft
 East: 1177497.28 ft
 Station: 2326+35.35
 Offset: 68.36 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.4	7-inch thick, black LOAM --TOPSOIL-- Stiff to hard, gray CLAY		1	3 4 4 4	4.50	17							
			2	1 2 5 4	1.50	19							
			3	4 6 11 12	2.25	18							
			4	1 2 5 5	2.25	17							
			5	2 2 5 8	4.50	18							
-10.8	Boring terminated at 11.00 ft												

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	7-inch thick CONCRETE --PAVEMENT--												
3.1	5-inch thick CRUSHED STONE --BASE COURSE-- Very stiff to hard, gray CLAY		1	5 5 5 5	3.50	19							
			2	3 4 4 5	3.50	19							
			3	6 9 13 13	4.25	18							
			4	1 3 5 6	4.50	17							
			5	3 3 6 7 8	4.50	17							
-13.1	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-045 & P-046

S.N. _____ DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

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BORING LOG P-047
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -5.02 ft
 North: 1854263.21 ft
 East: 1177481.93 ft
 Station: 2329+00.63
 Offset: 68.80 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	7-inch thick CONCRETE														
5.6	--PAVEMENT--														
6.0	5-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY	1		12	4.50	13									
		5		8											
		7		8											
		8		7											
		2		5	3.75	17									
		4		4											
		5		5											
-10.3	Medium dense, gray SANDY LOAM	3		5	NP	21									
		5		13											
		9		9											
-12.3	Hard, gray SILTY CLAY	4		3	4.50	14									
		4		4											
		7		7											
		11		11											
		5		6	4.50	13									
		9		9											
		10		10											
-16.0	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-21-2003	Complete Drilling	07-21-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling		NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG P-048
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -8.52 ft
 North: 1854547.21 ft
 East: 1177461.48 ft
 Station: 2331+86.78
 Offset: 58.56 RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	7-inch thick CONCRETE														
5.4	--PAVEMENT--														
5.8	5-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Hard, gray SILTY CLAY	1		9	4.50	13									
		5		5											
		6		6											
		8		8											
		8		5											
		5		4											
		2		8	4.50	15									
		4		8											
		5		5											
		3		6	4.50	14									
		2		2											
		5		5											
		11		11											
		4		9	4.50	12									
		9		9											
		11		11											
		16		16											
		5		12	4.50	12									
		9		9											
		11		11											
		14		14											
-19.5	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-21-2003	Complete Drilling	07-21-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling		NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER


TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-047 & P-048

S.N. _____ DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

FOR SIGN STRUCTURE AT STA. 2204+66


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BORING LOG SB SGN 05A
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

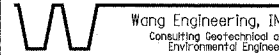
Datum: CCD
 Elevation: -1.57 ft
 North: 1841830.06 ft
 East: 1177820.92 ft
 Station: 2204+66
 Offset: 10' LT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
2.3	9-inch thick, ASPHALT --PAVEMENT--	1	10 7 8	4.50	P	10	Boring terminated at 25.00 ft							
2.8	6-inch thick, CRUSHED STONE --BASE COURSE--	2	8 9 10	2.13	S	11								
	Very stiff to hard, gray gravelly SILTY CLAY, with silt interbeds	3	11 7 10	4.59	S	14								
		4	8 7 16	2.87	B	15								
-11.3	Medium dense, gray SILT	5	7 14 14	NP		14								
	Hard, gray gravelly SILTY CLAY	6	3 10 11	4.50	P	12								
		7	4 10 15	4.10	B	13								
		8	7 15 20	6.15	B	11								
		9	10 31 42	NP		11								
-23.1	Very dense, gray SILT													
-25.6	Hard, gray SILTY CLAY													
-26.1	Dense, gray SILT													
-26.6														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-05-2005	Complete Drilling	04-06-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

FOR SIGN STRUCTURE AT STA. 2204+66


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BORING LOG 60E1
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 18.28 ft
 North: ft
 East: ft
 Station: 2205+17
 Offset: 120' RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
17.5	3-inch thick, ASPHALT over 7-inch thick, CONCRETE --PAVEMENT--	1	2 3 4	1.97	B	20	Boring terminated at 45.00 ft							
	2-inch thick, CRUSHED STONE --BASE COURSE--	2	3 4 29	NP		3								
	Stiff, black, brown, and gray SILTY CLAY, with asphalt cobbles	3	1 0 4	0.98	B	23								
	Medium stiff to stiff, brown and gray SILTY CLAY	4	1 1 2	1.39	B	16								
	--FILL--	5	1 0 0	0.41	B	24								
	Soft, brown and gray CLAY	6	1 0 1	0.25	B	21								
		7	1 1 2	1.07	B	20								
	Stiff to hard, gray SILTY CLAY	8	3 4 4	2.46	B	15								
		9	4 6 8	4.59	B	12								
-18.7	Medium dense to dense, gray SILT	10	19 25 27	NP		13								
-25.7	Hard, gray SILTY CLAY LOAM	11	12 16 21	4.26	S	13								
-26.7														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-23-2004	Complete Drilling	08-23-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	J. Kasnick	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE
REVISED	05/06/05

SHEET OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS FOR SIGN STRUCTURE
AT STA. 2204+66

S.N. DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

05/05/2005 08:06:05 AM

FOR SIGN STRUCTURE AT STA. 2344+44

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BORING LOG SB SGN 11A
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -5.20 ft
 North: 1855810.77 ft
 East: 1177361.99 ft
 Station: 2344+44
 Offset: 12' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
5.8	7-inch thick, CONCRETE --PAVEMENT--												
6.5	8-inch thick, CRUSHED STONE --BASE COURSE--												
	Very stiff to hard, gray SILTY CLAY	1	10	2.62	18								
		2	8	2.95	19								
		3	8	4.51	19								
13.2	Stiff to very stiff, gray SILTY CLAY, with silt interbeds	4	8	3.53	16								
		5	7	2.54	24								
		6	4	1.97	18								
21.4	Hard, gray gravelly SILTY CLAY	7	4	7.46	12								
		8	4	6.15	13								
		9	4	6.31	13								
30.2		10	3	4.92	13								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-07-2005	Complete Drilling	04-07-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

FOR SIGN STRUCTURE AT STA. 2344+44

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 Lombard, IL 60148
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BORING LOG SB SGN 11B
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -5.21 ft
 North: 1855798.99 ft
 East: 1177454.59 ft
 Station: 2344+44
 Offset: 103' RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
5.6	5-inch thick, black CLAY LOAM --TOPSOIL--												
	Hard, brown and gray CLAY --FILL--	1	2	4.76	18								
		2	3	2.54	18								
	Very stiff, brown and gray CLAY	3	2	2.13	18								
13.2	Hard, gray SILTY CLAY	4	4	4.43	16								
	Medium dense, gray SILT	5	4	5.41	13								
		6	3	6.56	13								
		7	5	5.74	12								
		8	5	5.74	13								
		9	4	4.84	14								
		10	4	4.76	14								
33.2	Medium dense, gray SAND	11	7	5.08	15								
34.0	Medium dense, gray SILT	12	7	NP	11								
34.2	Hard, gray SILTY CLAY	13	14	10.25	10								
40.2		14	23	B									
		15	32	B									
	Boring terminated at 35.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-18-2005	Complete Drilling	03-18-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shlu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

REVISIONS

NAME	DATE
REVISOR	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS FOR SIGN STRUCTURE
 AT STA. 2344+44

S.N. _____ DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

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BORING LOG RB-01 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 7.20 ft
 North: 1857308.80 ft
 East: 1177484.16 ft
 Station: 8417+68
 Offset: 14.5' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
8.5	8-inch thick, CONCRETE --PAVEMENT--												
4.7	Loose, black SANDY LOAM --POSSIBLE FILL--												
2.2	Loose to medium dense, gray, fine SAND, with perched water	1	266	NP	15								
	Stiff to very stiff, gray CLAY	2	7443	NP	20								
		3	3245	1.00 P	20								
		4	2445	2.00 P	16								
		5	2347	2.50 P	18								
		6	2346	2.00 P	17								
		7	1357	2.25 P	18								
-3.5	Stiff to hard, gray gravelly SILTY CLAY	8	45810	1.00 P	18								
-12.8	Boring terminated at 20.00 ft	9	361215	4.50 P	13								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-26-2004	Complete Drilling	08-26-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG RB-02 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.50 ft
 North: 1857056.33 ft
 East: 1177445.42 ft
 Station: 8415+14
 Offset: 31.5' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
3.5	3-inch thick, black LOAM --TOPSOIL--												
1.8	Hard, gray SILTY CLAY LOAM --FILL--	1	38910	4.50 P	9								
1.3	Medium dense, gray SANDY GRAVEL --FILL--	2	10567	4.25 P	17								
	Hard, brown SILTY CLAY --FILL--	3	6458	1.00 P	20								
	Stiff to hard, gray CLAY	4	5468	1.75 P	18								
		5	2357	2.25 P	16								
-6.5	Boring terminated at 10.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-26-2004	Complete Drilling	08-26-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS RB-01 & RB-02

S.N. _____ DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

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BORING LOG RB-03
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 0.19 ft
 North: 1856813.00 ft
 East: 1177449.01 ft
 Station: 8412+72
 Offset: 18' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.19	2-inch thick, black LOAM --TOPSOIL-- Hard, gray SILTY CLAY --A-6 (10)-- --LL=34%, PL=19%-- Very stiff to hard, gray CLAY	0.5		1	3 6 6	4.50	14								
		2.1		2	4 4 4	2.50	19								
		5		3	2 2 4	2.50	18								
		5		4	3 5 8	3.50	17								
		10		5	2 4 8	4.00	17								
	Boring terminated at 10.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-26-2004	Complete Drilling	08-26-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG RB-04
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -0.13 ft
 North: 1856315.19 ft
 East: 1177439.06 ft
 Station: 8407+76
 Offset: 32' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-0.13	2-inch thick, black LOAM --TOPSOIL-- Hard, gray gravelly SILTY CLAY	0.5		1	2 4 5 6	4.50	9								
	Very stiff to hard, gray CLAY	2.4		2	2 5 5 6	3.50	17								
		5		3	4 5 5 7	2.75	18								
		5		4	3 5 7 8	3.75	18								
		10		5	3 6 9 11	4.00	18								
	Boring terminated at 10.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-26-2004	Complete Drilling	08-26-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS RB-03 & RB-04

S.N. _____ DESIGNED BY: DJR
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 DATE: MARCH 18, 2005 CHECKED BY: JPM

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BORING LOG RB-05 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.79 ft
 North: 1856014.00 ft
 East: 1177503.01 ft
 Station: 8404+73
 Offset: 15' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
3.3	6-inch thick, brown SILTY CLAY LOAM	0.0	1	4 5 12	NP	11							
2.3	Medium dense, brown SANDY LOAM	0.0	2	8 4 3 3	2.21 B	12							
0.4	Very stiff, brown and gray CLAY	0.0	3	3 3 3 6	2.30 B	21							
	Very stiff to hard, gray SILTY CLAY	0.0	4	3 4 5 6	2.79 B	18	-28.2	Medium dense, gray SILT	12	12	6 12 13	8.53 B	12
		10	5	2 5 6 5	3.28 B	18			30	13	6 12 13	7.79	13
		15	6	2 4 6 6	3.44 B	18			35	14	3 5 5	NP	12
		20	7	2 5 7	4.10 B	17							
		25	8	5 10 10	NP	17							
-11.7	Medium dense, gray SILT, with sand interbeds		9	3 5 8	6.15 B	21							
		40	10	5 8 10	6.81 B	13							
		45	11	4 9 9	8.53 B	12							
		50											

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-18-2004	Complete Drilling	08-18-2004	While Drilling	18.00 ft
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&L	Logger	J. Kasnick	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				
				Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

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BORING LOG RB-06 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 7.97 ft
 North: 1855601.70 ft
 East: 1177524.75 ft
 Station: 8400+59

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values	Qu (tsf)	Moisture Content (%)
			1	8 8 7 8	NP								
			2	5 6 2 1	NP								
			3	4 3 4 4	NP								
			4	7 7 3 4	1.25 P								
			5	3 3 4 4	1.50 P								
			6	3 3 5 6	1.25 P								
			7	2 3 5 6	2.00 P								
			8	0 2 4 6	2.50 P								
			9	1 3 5 7	2.25 P								
			10	2 4 9 15	4.50 P								

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-26-2004	Complete Drilling	08-26-2004	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&L	Logger	N. Davis	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				
				Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS RB-05 & RB-06

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BORING LOG RB-09
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 5.79 ft
 North: 1839283.38 ft
 East: 1173565.81 ft
 Station: 200+69
 Offset: 39

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

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BORING LOG RB-10
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.19 ft
 North: 1839311.11 ft
 East: 1173865.28 ft
 Station: 203+69
 Offset: 19

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
5.3	6-inch thick, black LOAM --TOPSOIL-- Very stiff, brown and gray CLAY to SILTY CLAY	0		1	3 5 6	3.50	18								
3.3	Medium dense, brown and gray SANDY GRAVEL --FILL--	2.8		2	3 7 5	3.50	7								
1.3	Very stiff, gray CLAY Hard, gray SILTY CLAY --FILL--	5		3	3 5 7	4.50	12								
				4	3 5 7 8	4.00	12								
				5	2 5 8 11	4.50	13								
-3.7	Hard, gray SANDY CLAY LOAM to CLAY LOAM	10													
-4.2	Boring terminated at 10.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
5	8-inch thick, black SANDY LOAM --TOPSOIL-- Stiff to hard, black and gray CLAY LOAM, with interbeds of sandy gravel	0.5		1	2 3 5 4	4.50	2								
-0.8	Hard, gray gravelly CLAY to SILTY CLAY --FILL--	6		2	2 6 4 6	4.50	15								
				3	4 5 5 5	4.50	13								
-4.3	Very stiff, gray CLAY	5.3		4	3 5 6 10	3.00	15								
	Hard, gray gravelly SILTY CLAY	5.3		5	4 6 7 11	4.50	13								
-7.8	Boring terminated at 10.00 ft	10													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-27-2004	Complete Drilling	08-27-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&A	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-27-2004	Complete Drilling	08-27-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&A	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS RB-09 & RB-10

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BORING LOG RB-11 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 16.25 ft
 North: 1839564.76 ft
 East: 1178677.89 ft
 Station: 8760+06
 Offset: 14' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/in)	Qu (tsf)	Moisture Content (%)
15.6	8-inch thick, CONCRETE --PAVEMENT--												
15.0	7-inch thick, CRUSHED STONE --BASE COURSE--												
	Medium stiff to stiff, gray CLAY	1	1	1	1.80	20							
		2	2	1	1.07	23							
		3	3	1	1.89	23							
		4	4	1	0.74	19							
		5	5	1	0.57	20							
5.2	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-10-2004	Complete Drilling	09-10-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG RB-12 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 7.25 ft
 North: 1839753.08 ft
 East: 1178430.50 ft
 Station: 8763+17
 Offset: 23' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements - Contract 17A
 Location: Halsted Street to 71st Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/in)	Qu (tsf)	Moisture Content (%)
2.7	1-inch thick, black LOAM --TOPSOIL--												
	Stiff to hard, gray CLAY	1	1	2	4.00	17							
	--A-6 (6)-- --LL=30%, PL=17%--	2	2	4	1.89	17							
		3	3	2	1.31	18							
		4	4	3	1.64	21							
		5	5	2	1.72	22							
	Boring terminated at 10.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2004	Complete Drilling	09-01-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER


TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS RB-11 & RB-12

S.N. _____ DESIGNED BY: DJR
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 <p>Wang Engineering, Inc. Consulting Geotechnical and Environmental Engineers wangeng3@wangeng.com 1145 Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938</p>	<h3>BORING LOG RB-15</h3> <p>WEI Job No.: 414-07-01</p>		<p>Page 1 of 1</p>
	<p>Client: T. Y. LIN International Project: Dan Ryan Improvements - Contract 17A Location: Halsted Street to 71st Street</p>	<p>Datum: CCD Elevation: 8.67 ft North: 1840496.21 ft East: 1177972.30 ft Station: 2036+95 Offset: 46' RT</p>	

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
7.9	9-inch thick, black LOAM --TOPSOIL-- Very stiff to hard, gray CLAY	0		1	2 3 5 6	4.00	13								
				2	4 6 6 6	3.26	16								
4.7	Soft, gray CLAY	5		3	1 1 2	0.49	22								
				4	1 1 1 1	0.33	22								
0.1	Very stiff, gray CLAY	10		5	0 0 4 4	3.03	18								
-1.3	Boring terminated at 10.00 ft														

GENERAL NOTES Begin Drilling 09-01-2004 Complete Drilling 09-01-2004 Drilling Contractor Patrick Drilling Drill Rig CME 75 TMR Driller J&L Logger H. Suhail Checked by N. Davis Drilling Method 3.25" ID, HSA; Boring back-filled with bentonite upon completion				WATER LEVEL DATA While Drilling ∇ DRY At Completion of Drilling ∇ DRY Time After Drilling NA Depth to Water ∇ NA <small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>			
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LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORING RB-15

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