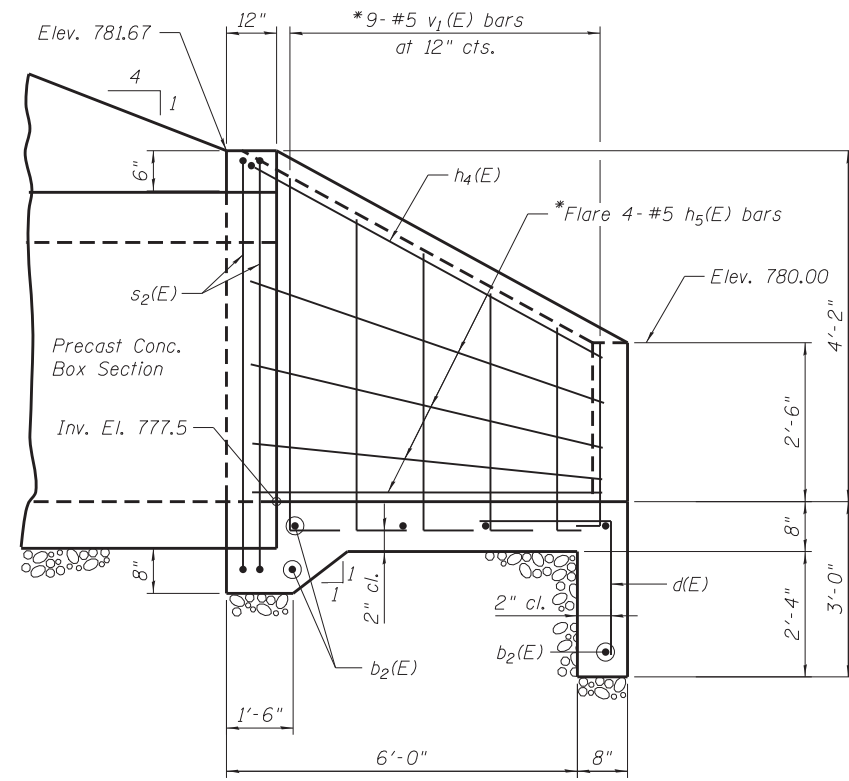


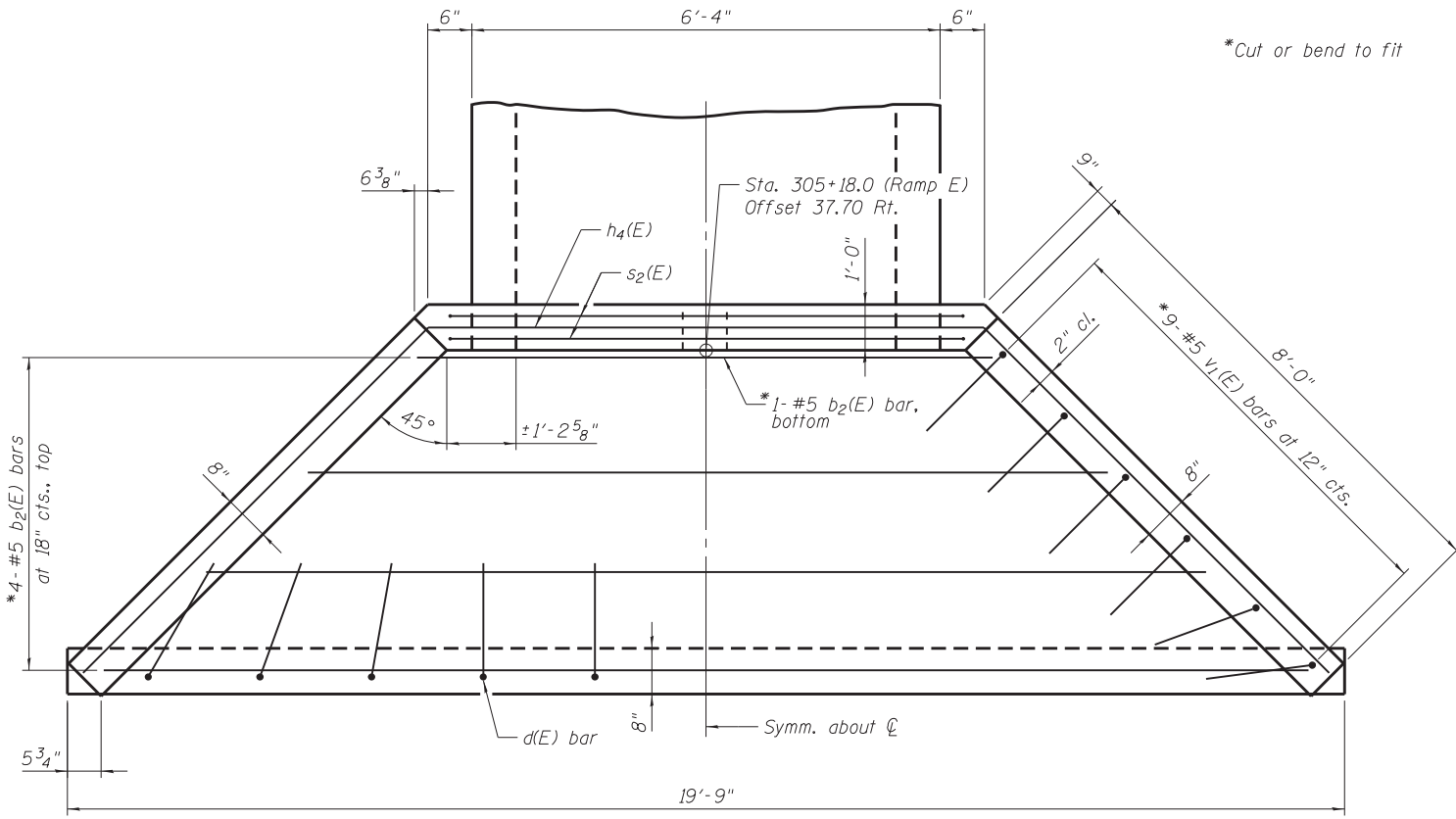
DOWNSTREAM END ELEVATION



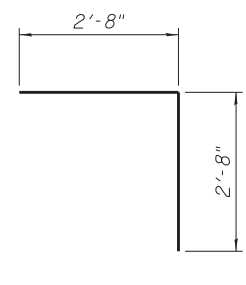
DOWNSTREAM END HALF SIDE ELEVATION

BAR SCHEDULE

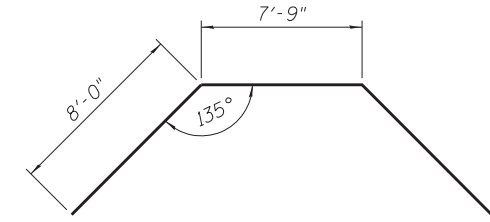
Bar	No.	Size	Length	Shape
b ₂ (E)	6	#5	19'-5"	—
d(E)	14	#5	5'-4"	└
h ₄ (E)	1	#5	23'-9"	—
h ₅ (E)	8	#5	8'-0"	—
s ₂ (E)	2	#5	25'-5"	└
v ₁ (E)	18	#5	5'-4"	└



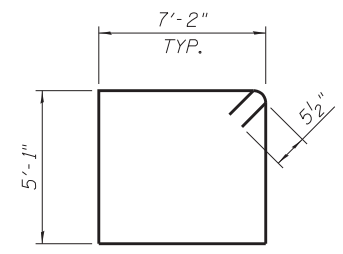
DOWNSTREAM END PLAN



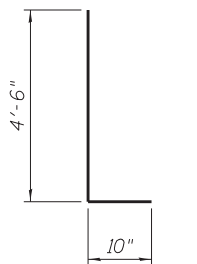
BAR d(E)



BAR h₄(E)



BAR s₂(E)



BAR v₁(E)

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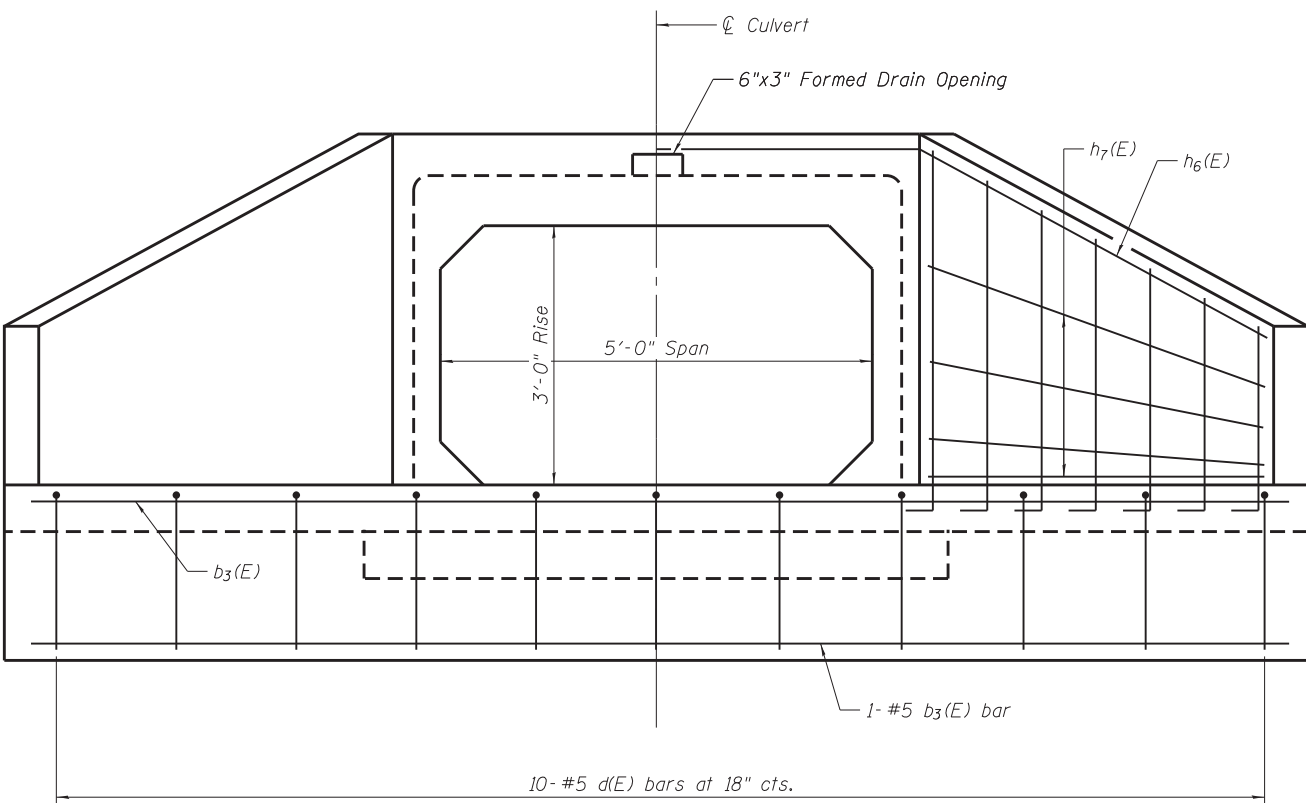
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DOWNSTREAM END SECTION DETAILS
RAMP E CULVERT AT STA. 315+18**

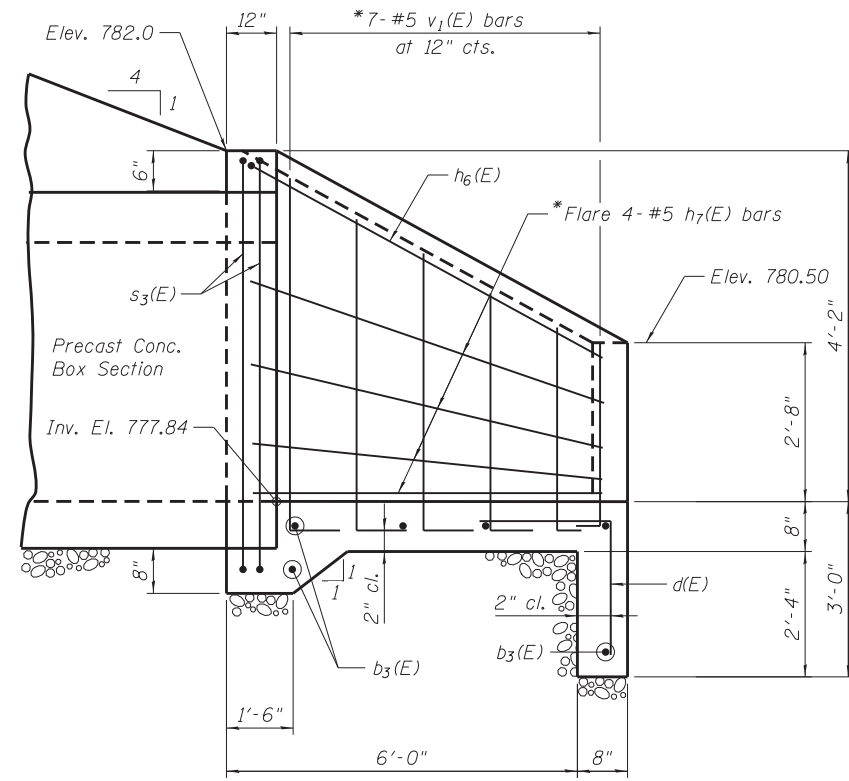
SHEET NO. 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	301
CONTRACT NO. 60V57				

ILLINOIS FED. AID PROJECT



UPSTREAM END ELEVATION



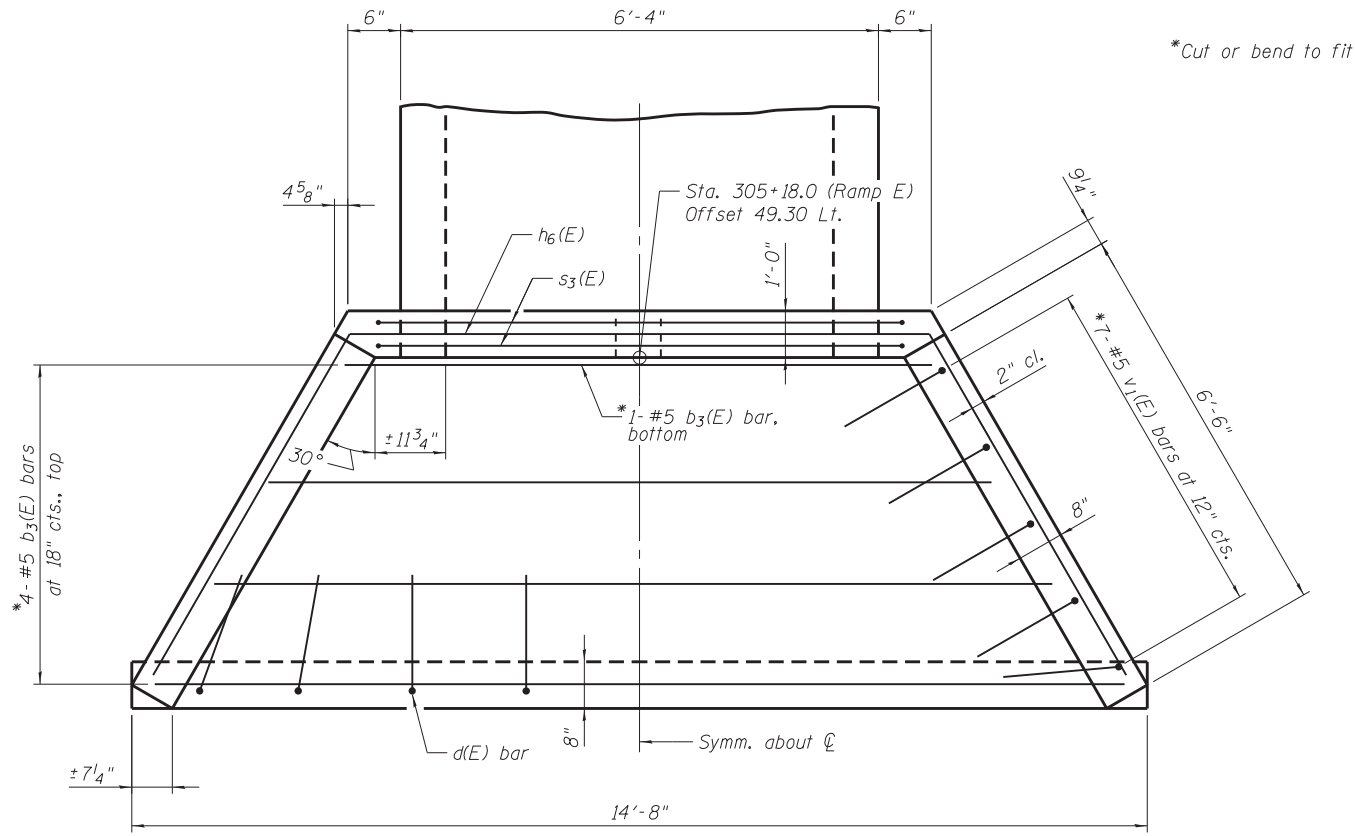
UPSTREAM END HALF SIDE ELEVATION

BAR SCHEDULE

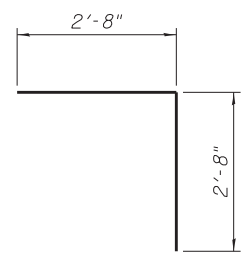
Bar	No.	Size	Length	Shape
b ₃ (E)	6	#5	14'-4"	—
d(E)	10	#5	5'-4"	└
h ₆ (E)	1	#5	20'-4"	∩
h ₇ (E)	8	#5	6'-6"	—
s ₃ (E)	2	#5	25'-1"	└
v ₁ (E)	14	#5	5'-4"	└

NOTES

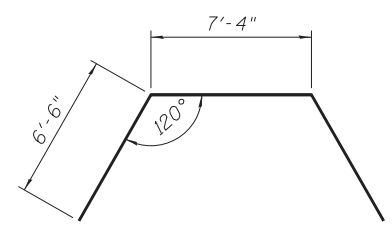
1. Install Upstream End Section during Stage 4 Construction.



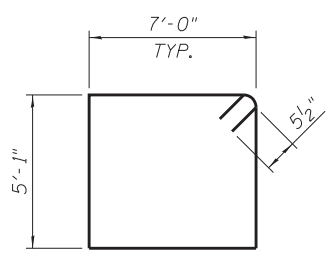
UPSTREAM END PLAN



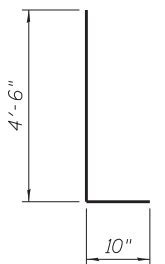
BAR d(E)



BAR h₆(E)



BAR s₃(E)



BAR v₁(E)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UPSTREAM END SECTION DETAILS
RAMP E CULVERT AT STA. 315 + 18**

SHEET NO. 3 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	302

CONTRACT NO. 60V57

ILLINOIS FED. AID PROJECT



BORING LOG CB2-01

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9928

WEI Job No.: 314-16-02
Client **Bowman, Barrett & Associates, Inc.**
Project **IL Route 59/ US Route 20 (FAP 345) Supplemental**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 789.72 ft
North: 1945132.81 ft
East: 1019720.07 ft
Station: NA
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
789.35	3.5-inch thick, dark brown SILTY LOAM --TOPSOIL-- Very stiff to hard, brown SILTY CLAY LOAM, trace gravel --FILL--	0	X	1	3 3 5	4.50	23	761.7	Medium dense, gray SANDY GRAVEL; saturated	0	X	11	10 13 14	NP	9
784.2	Very stiff, brown SILTY CLAY LOAM, trace gravel	5	X	2	3 4 6	3.25	18	759.7	Boring terminated at 30.00 ft	5	X	12	7 8 11	NP	10
779.2	Medium dense, brown SANDY LOAM, little gravel; wet	10	X	3	3 6 9	3.69	16			10	X	4	5 8 11	3.85	16
774.2	Medium dense, brown SANDY GRAVEL; wet	15	X	4	6 6 8	NP	9			15	X	5	7 10 16	NP	10
771.7	Loose to medium dense, brown to gray, fine to medium SAND, little gravel; wet --becomes gray--	20	X	6	6 6 8	NP	9			20	X	7	8 17 12	NP	6
		25	X	8	7 9 9	NP	9			25	X	8	7 9 9	NP	9
			X	9	5 3 3	NP	9				X	9	5 3 3	NP	9
			X	10	5 7 11	NP	8				X	10	5 7 11	NP	8

GENERAL NOTES

Begin Drilling **07-16-2015** Complete Drilling **07-16-2015**
 Drilling Contractor **Wang Engineering Services** Drill Rig **D-50 TMR**
 Driller **R&K** Logger **D. Kolpacki** Checked by **C. Marin**
 Drilling Method **3.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **11.00 ft**
 At Completion of Drilling **28.00 ft**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG CB2-02

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

WEI Job No.: 314-16-02
Client **Bowman, Barrett & Associates, Inc.**
Project **IL Route 59/ US Route 20 (FAP 345) Supplemental**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 779.96 ft
North: 1945192.58 ft
East: 1019666.96 ft
Station: NA
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
779.55	5.5-inch thick, brown SILTY LOAM --TOPSOIL-- Stiff to very stiff, dark brown to brown SILTY CLAY, trace organic matter	0	X	1	3 4 6	2.25	38	750.0	Boring terminated at 30.00 ft	0	X	11	14 27 21	NP	8
770.5	Medium stiff to very stiff, gray SILTY CLAY LOAM, trace gravel --L _t (%)=32, P _t (%)=15-- --%Gravel=3.0-- --%Sand=12.8-- --%Silt=59.6-- --%Clay=24.6-- --A-6 (13)-- --L _t (%)=31, P _t (%)=16-- --%Gravel=5.7-- --%Sand=15.3-- --%Silt=53.0-- --%Clay=25.9-- --A-6 (10)--	5	X	2	3 3 3	1.75	27			5	X	12	7 7 9	NP	7
762.0	Medium dense, gray SANDY LOAM, little gravel; wet	10	X	3	2 2 2	1.50	29			10	X	4	1 2 3	0.98	26
759.5	Dense, gray SAND and GRAVEL; wet	15	X	4	3 3 4	1.56	18			15	X	5	2 3 3	1.07	19
757.0	Medium dense to dense, gray, fine SAND, some gravel; wet	20	X	6	3 3 4	2.54	17			20	X	6	3 3 4	1.56	18
		25	X	7	4 6 7	2.54	17			25	X	7	4 6 7	2.54	17
			X	8	5 8 8	NP	8				X	8	5 8 8	NP	8
			X	9	11 12 21	NP	7				X	9	11 12 21	NP	7
			X	10	8 8 8	NP	8				X	10	8 8 8	NP	8

GENERAL NOTES

Begin Drilling **07-16-2015** Complete Drilling **07-16-2015**
 Drilling Contractor **Wang Engineering Services** Drill Rig **D-50 TMR**
 Driller **R&K** Logger **D. Kolpacki** Checked by **C. Marin**
 Drilling Method **3.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **18.50 ft**
 At Completion of Drilling **20.00 ft**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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PLOT SCALE - N.T.S.
PLOT DATE - 8/23/2017

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CHECKED - CA

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
RAMP E CULVERT AT STA. 315 + 18

SHEET NO. 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	303
CONTRACT NO. 60V57				

ILLINOIS FED. AID PROJECT



wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9928

BORING LOG SGB-RE-02

WEI Job No.: 314-16-02

Client **Bowman, Barrett & Associates, Inc.**
 Project **IL Route 59/ US Route 20 (FAP 345) Supplemental**
 Location **Cook County, IL**

Datum: NAVD 88
 Elevation: 787.11 ft
 North: 1945193.34 ft
 East: 1019751.95 ft
 Station: 305+57.10
 Offset: 5.442 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
786.93	3-inch thick, black SILTY LOAM --TOPSOIL-- Stiff to hard, dark brown to brown SILTY CLAY, trace gravel			1	4 4 4	1.48 B	18								
		5		2	3 4 7	2.87 B	21								
				3	5 8 11	4.59 B	17								
		10		4	4 6 8	3.03 B	18								
	--Sand seams--			5	5 10 9	1.75 P	10								
774.1	Medium dense, brown to gray LOAM to SILTY LOAM, trace to little gravel			6	7 8 7	NP	11								
				7	2 5 7	NP	11								
		20		8	4 9 7	NP	9								
				9	6 5 5	NP	9								
				10	6 8 11	NP	9								
762.1		25													
Boring terminated at 25.00 ft															
GENERAL NOTES								WATER LEVEL DATA							
Begin Drilling 02-17-2015 Complete Drilling 02-17-2015								While Drilling ∇ 23.50 ft							
Drilling Contractor Wang Testing Services Drill Rig D-50 ATV								At Completion of Drilling ∇ DRY							
Driller K&K Logger A. Happel Checked by C. Marin								Time After Drilling NA							
Drilling Method 3.25" IDA HSA; boring backfilled upon completion								Depth to Water ∇ NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.															

WANGENG INC. 314-1602.GPJ WANGENG.GDT 8/13/15

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 www.bbandinc.com

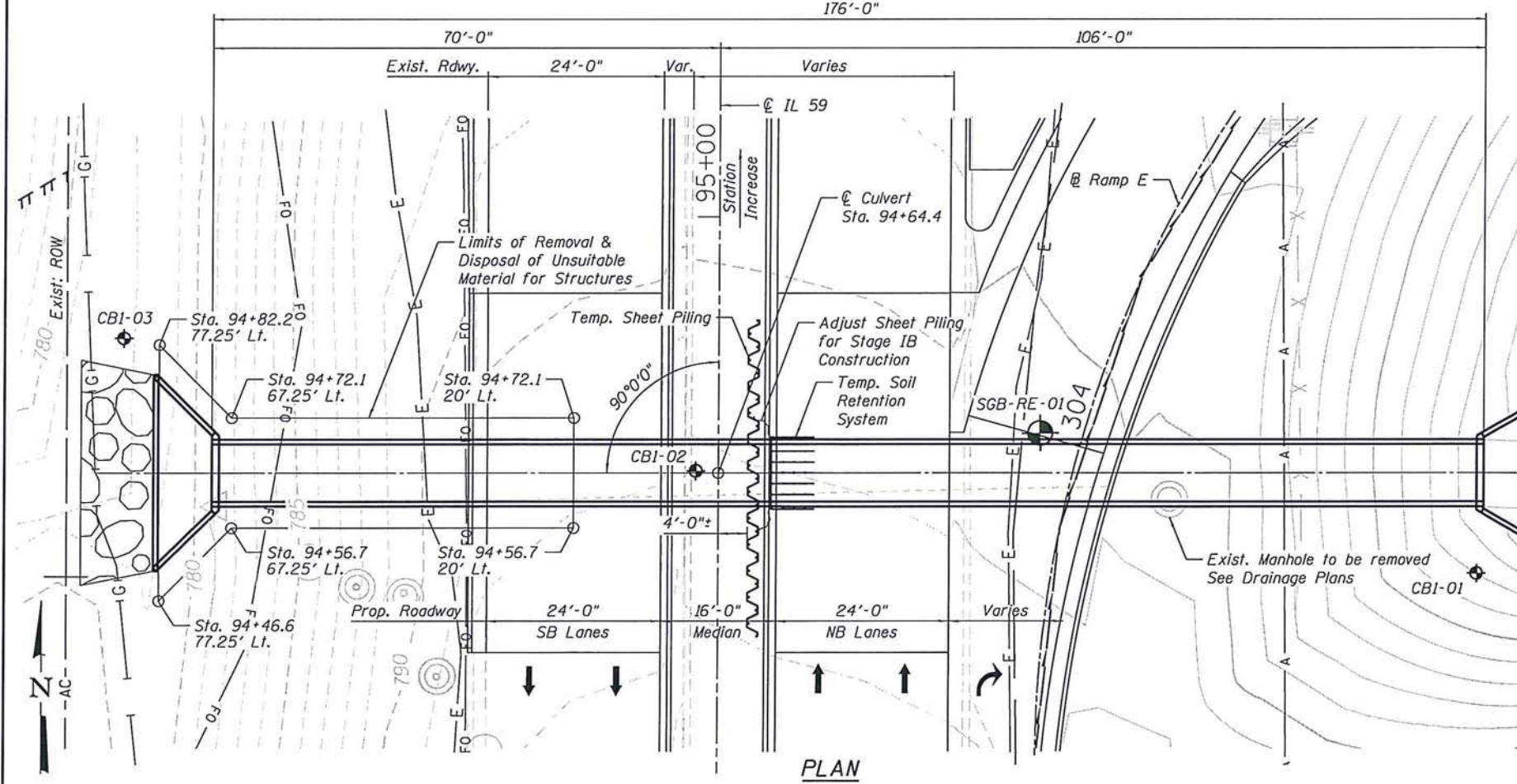
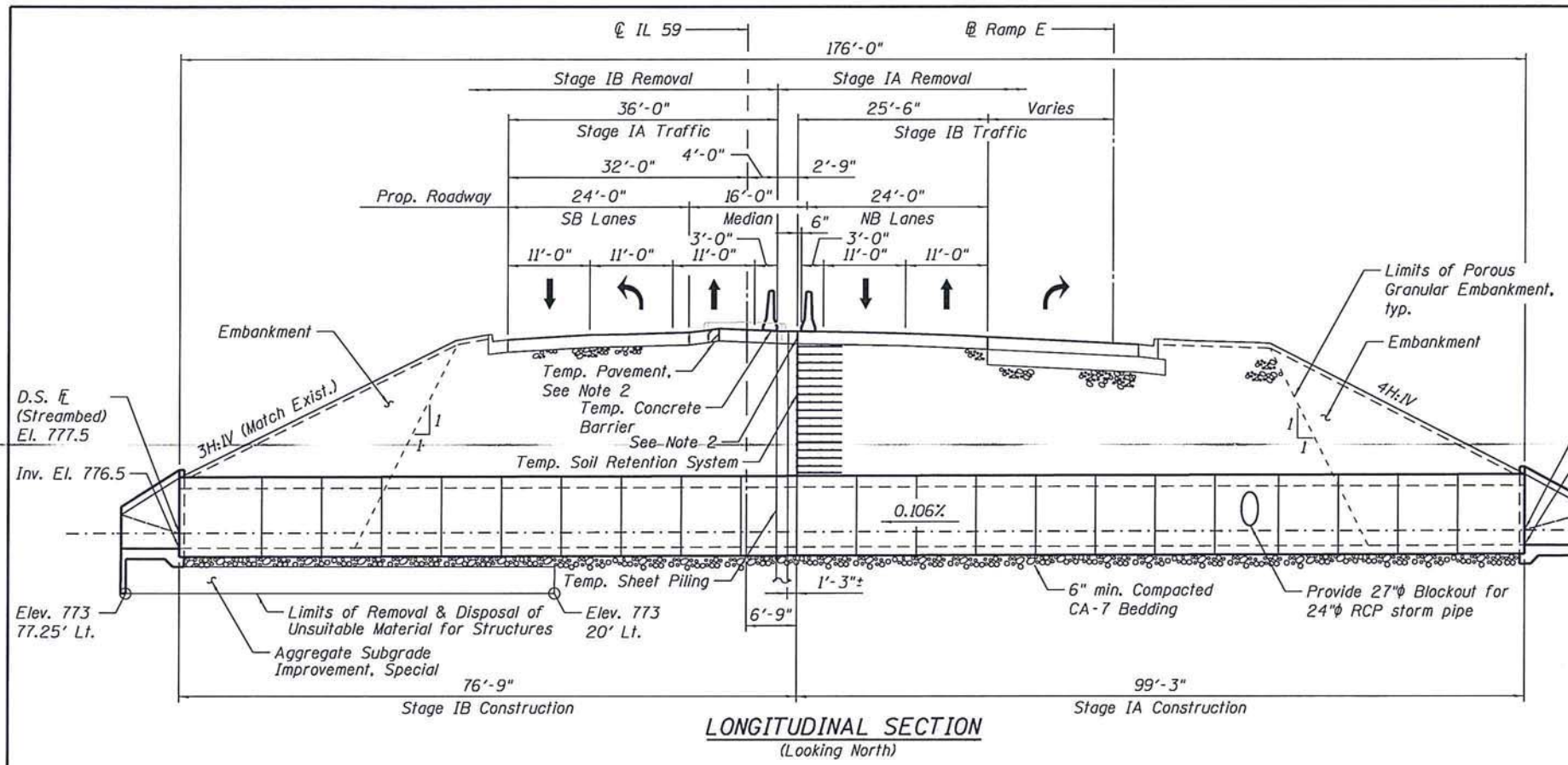
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 PLOT SCALE - N.T.S.
 DRAWN - MTR
 PLOT DATE - 8/23/2017
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS II
 RAMP E CULVERT AT STA. 315 + 18**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	304
CONTRACT NO. 60V57				



INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 Stage Construction Details
- 3 Downstream End Section Details
- 4 Upstream End Section Details
- 5 Boring Logs I
- 6 Boring Logs II

DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design Specifications

PRECAST CULVERTS

Design Fill Height is > 2 Ft. < 8 Ft.
ASTM C1577

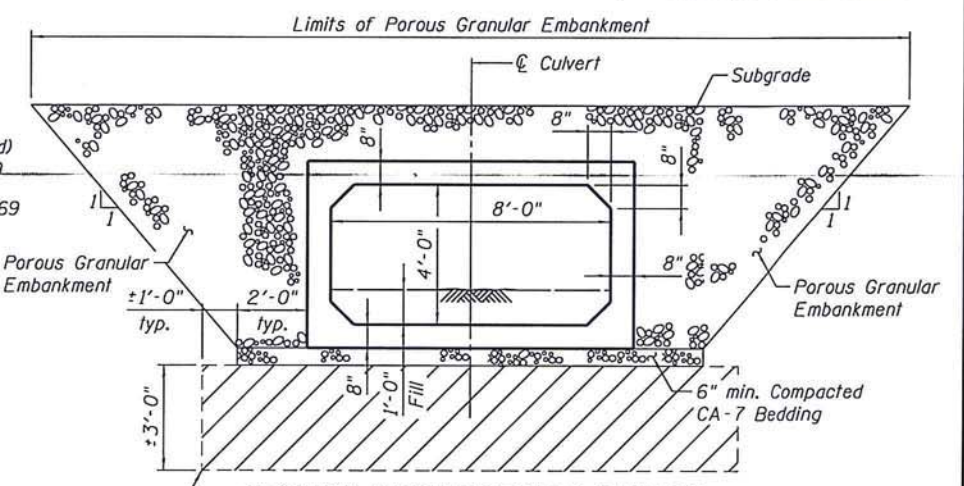
DESIGN STRESSES

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded with Fabric)

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



Removal & Disposal of Unsuitable Material for Structures

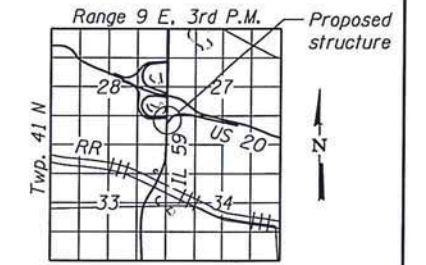
SECTION THRU PRECAST BARREL

NOTES

1. See Special Provisions and Exist. Drainage & Utility Plans for additional utility information.
2. See Roadway Plans and Maintenance of Traffic Plans for additional details.
3. Cost of CA-7 Bedding included in the cost of Precast Concrete Box Culverts, 8'x4'.
4. Reinforcement Bars designated (E) shall be epoxy coated.
5. For additional information regarding unsuitable materials see geotechnical report available for review as indicated in the Special Provisions.
6. Contractor shall verify that the existing soil or ground improvement has a minimum factored bearing resistance of 2500 p.s.f.



SIGNED: *D. Filice*
DATE: 8-23-17
EXPIRES: November 30, 2018
SHEET NO.: 306-311



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	1,790.2
Structure Excavation	Cu. Yd.	1,156
Concrete Structures	Cu. Yd.	15.6
Reinforcement Bars, Epoxy Coated	Pound	1,320
Precast Concrete Box Culverts, 8'x4'	Foot	176
Temporary Sheet Piling	Sq. Ft.	1,309
Temporary Soil Retention System	Sq. Ft.	85
Removal & Disposal of Unsuitable Material for Structures	Cu. Yd.	109

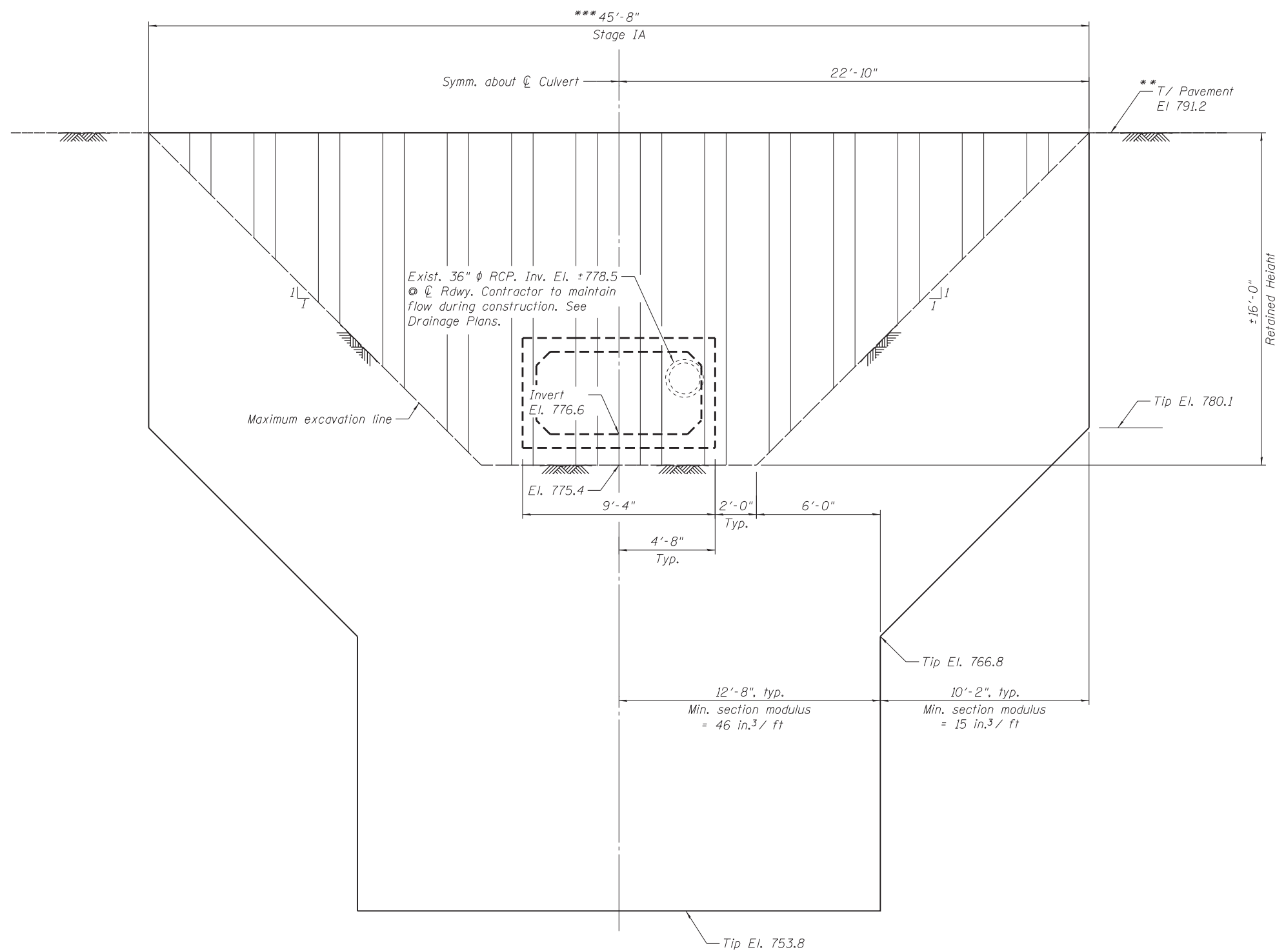
GENERAL PLAN & ELEVATION
IL 59 OVER UNNAMED DITCH
F.A.P. RTE. 345 - SEC. 7K-1(12)
COOK COUNTY
STATION 94+64.4
STRUCTURE NO. 016-2308

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PLOT DATE = 8/21/2017	DRAWN - MTR	REVISED
	CHECKED - CA	REVISED

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DEPARTMENT OF TRANSPORTATION

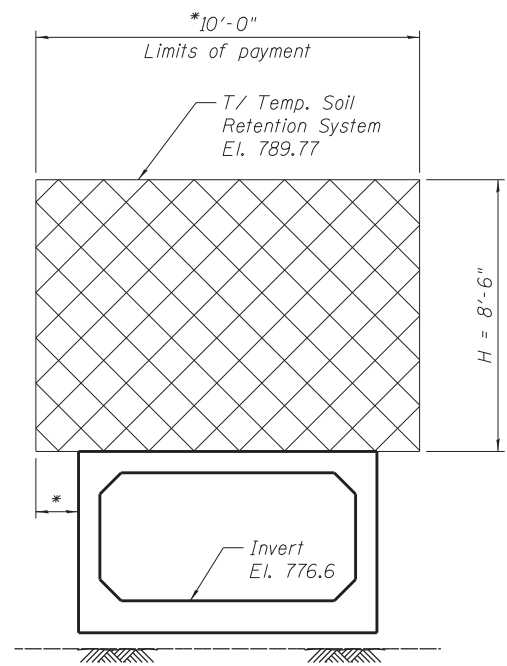
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	305
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V57	



TEMPORARY SHEET PILING

Note:
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

** Top of piling sheet shall be installed or cut flush with the subgrade elevation. Cost included in the cost of Temporary Sheet Piling.
*** Adjust Temporary Sheet Piling as necessary for Stage IB Construction. See Plan Detail and Standard Specifications.



TEMPORARY SOIL RETENTION SYSTEM

* Overlap with temporary sheet piling as determined by the contractor/supplier. Additional length needed for overlap will not be measured for payment and cost shall be included in the cost of Temporary Soil Retention System.

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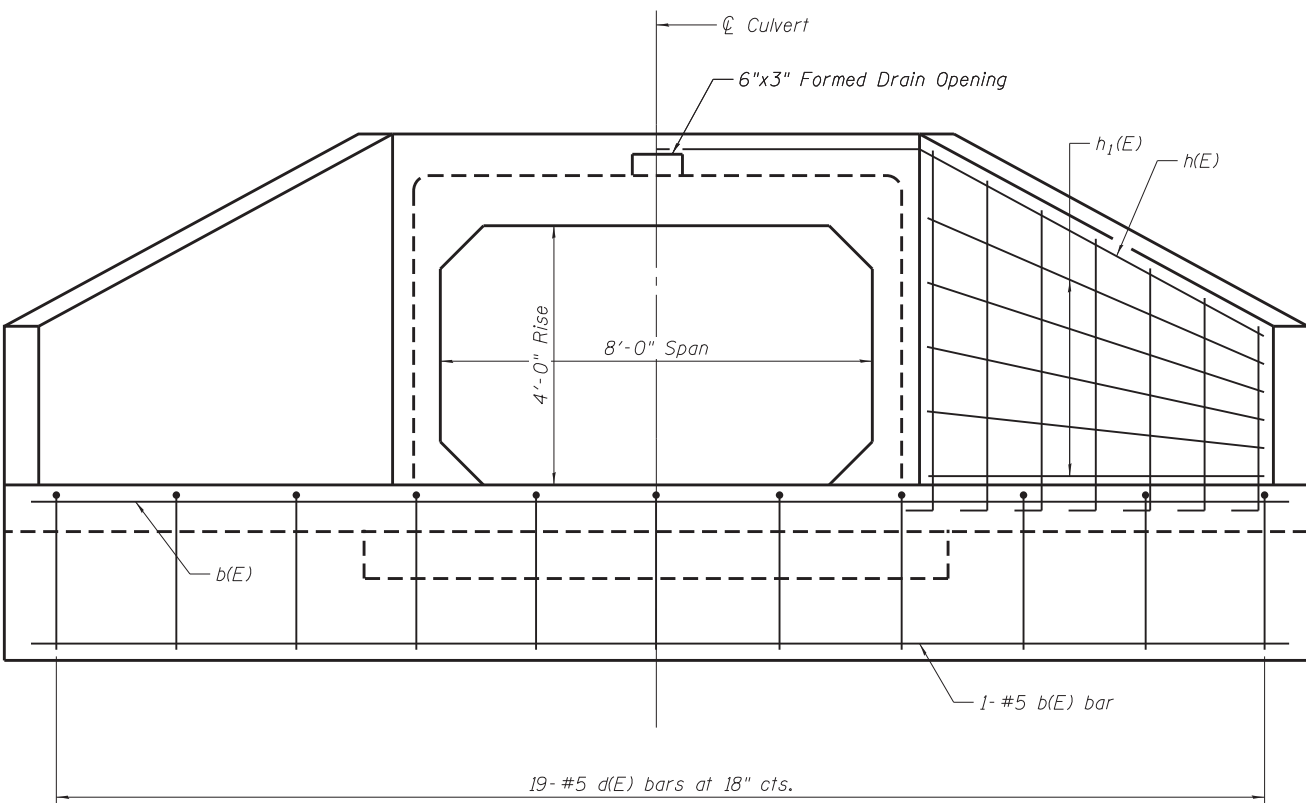
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 016-2308

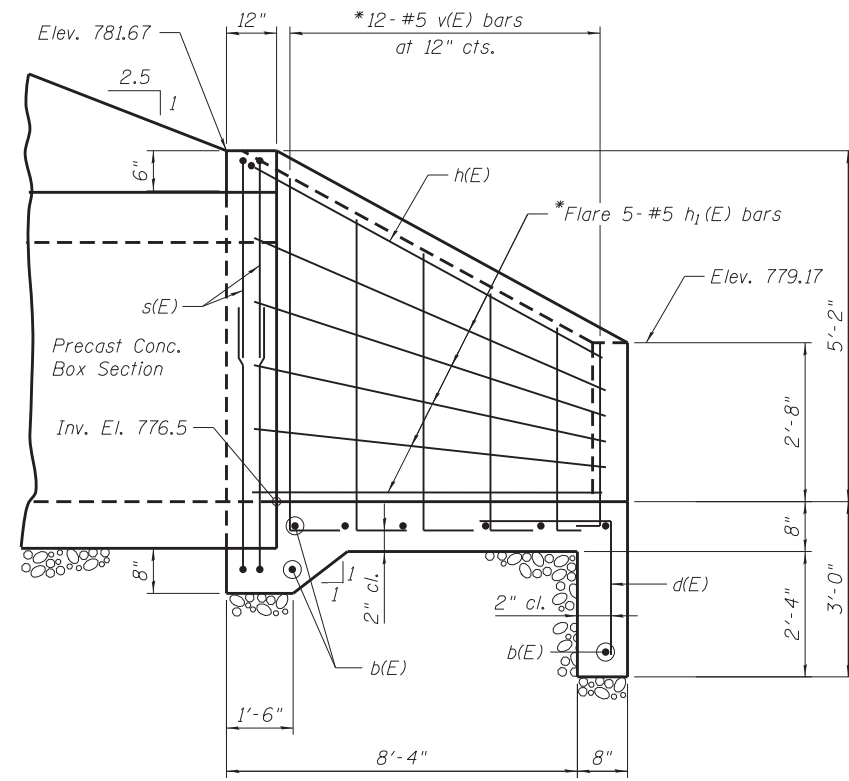
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	306
CONTRACT NO. 60V57				

SHEET NO. 2 OF 6 SHEETS

ILLINOIS FED. AID PROJECT



DOWNSTREAM END ELEVATION



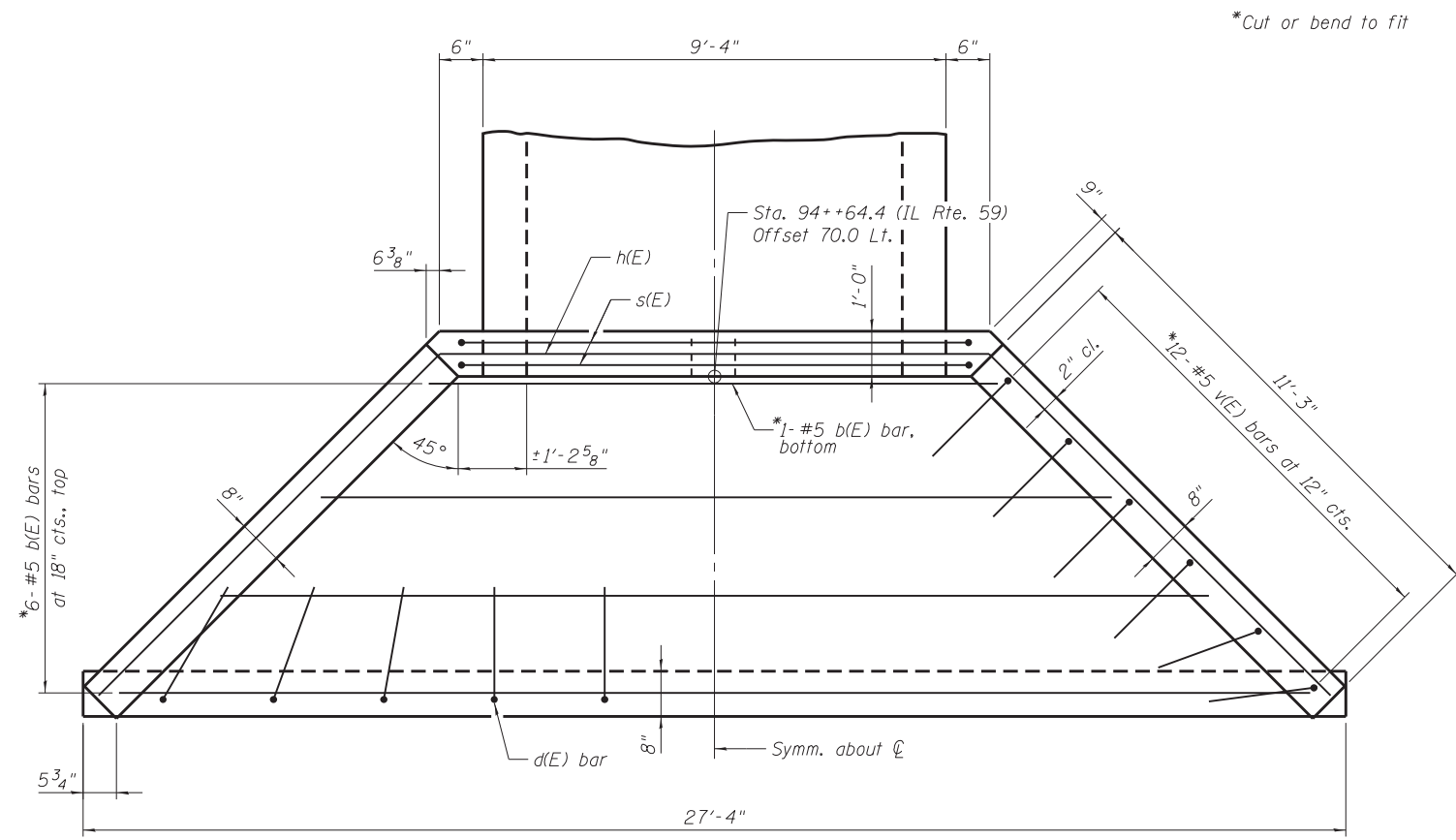
DOWNSTREAM END HALF SIDE ELEVATION

BAR SCHEDULE

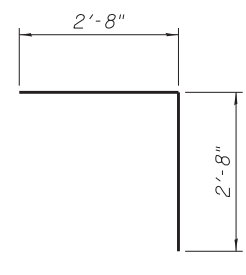
Bar	No.	Size	Length	Shape
b(E)	8	#5	27'-0"	—
d(E)	19	#5	5'-4"	└
h(E)	1	#5	33'-3"	└
h ₁ (E)	10	#5	11'-3"	—
s(E)	4	#5	20'-0"	└
v(E)	24	#5	6'-4"	└

MIN. BAR LAP

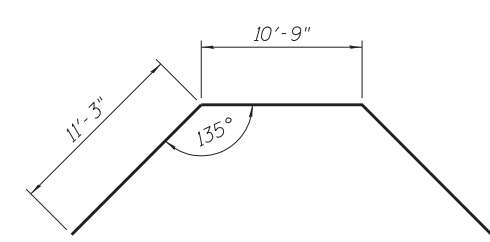
#5 = 3'-9"



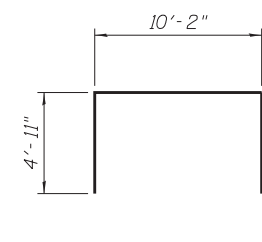
DOWNSTREAM END PLAN



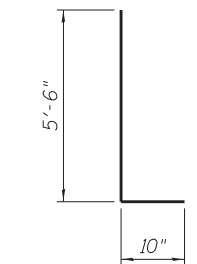
BAR d(E)



BAR h(E)



BAR s(E)



BAR v(E)

*Cut or bend to fit

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PLOT DATE = 8/23/2017

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CHECKED - CA

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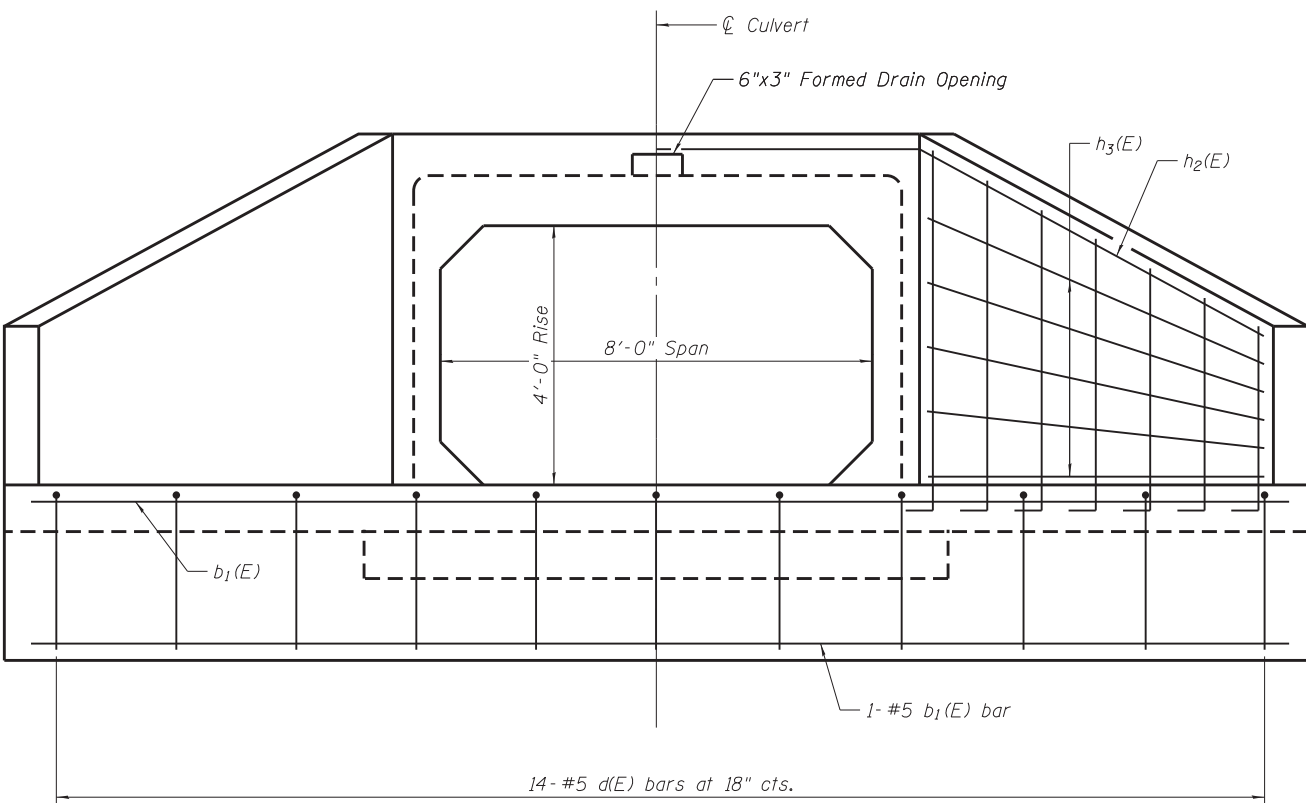
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNSTREAM END SECTION DETAILS
STRUCTURE NO. 016-2308

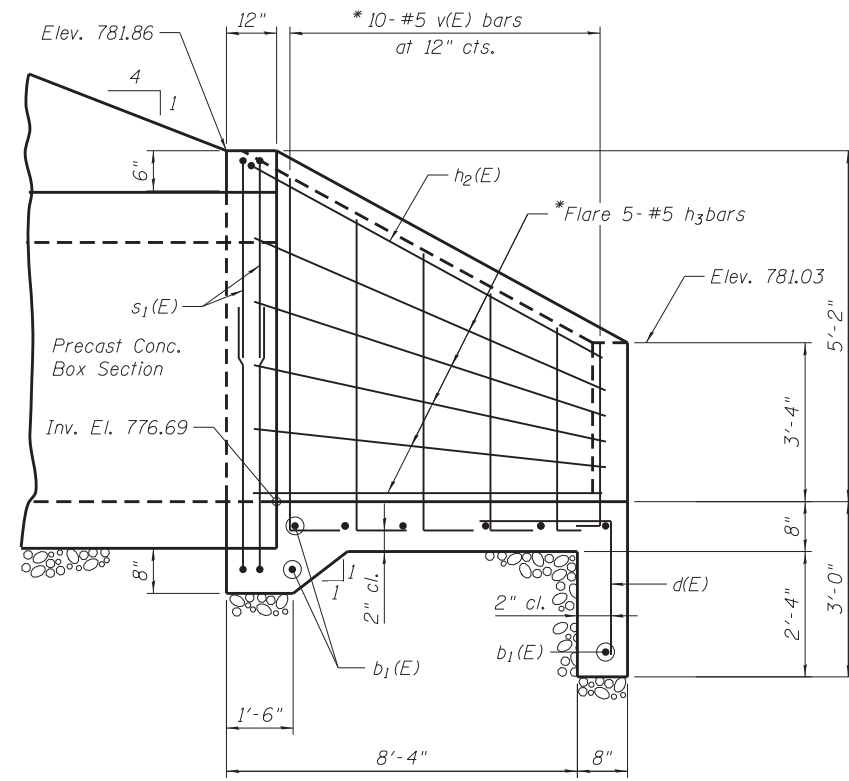
SHEET NO. 3 OF 6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	307
CONTRACT NO. 60V57				

ILLINOIS FED. AID PROJECT



UPSTREAM END ELEVATION



UPSTREAM END HALF SIDE ELEVATION

BAR SCHEDULE

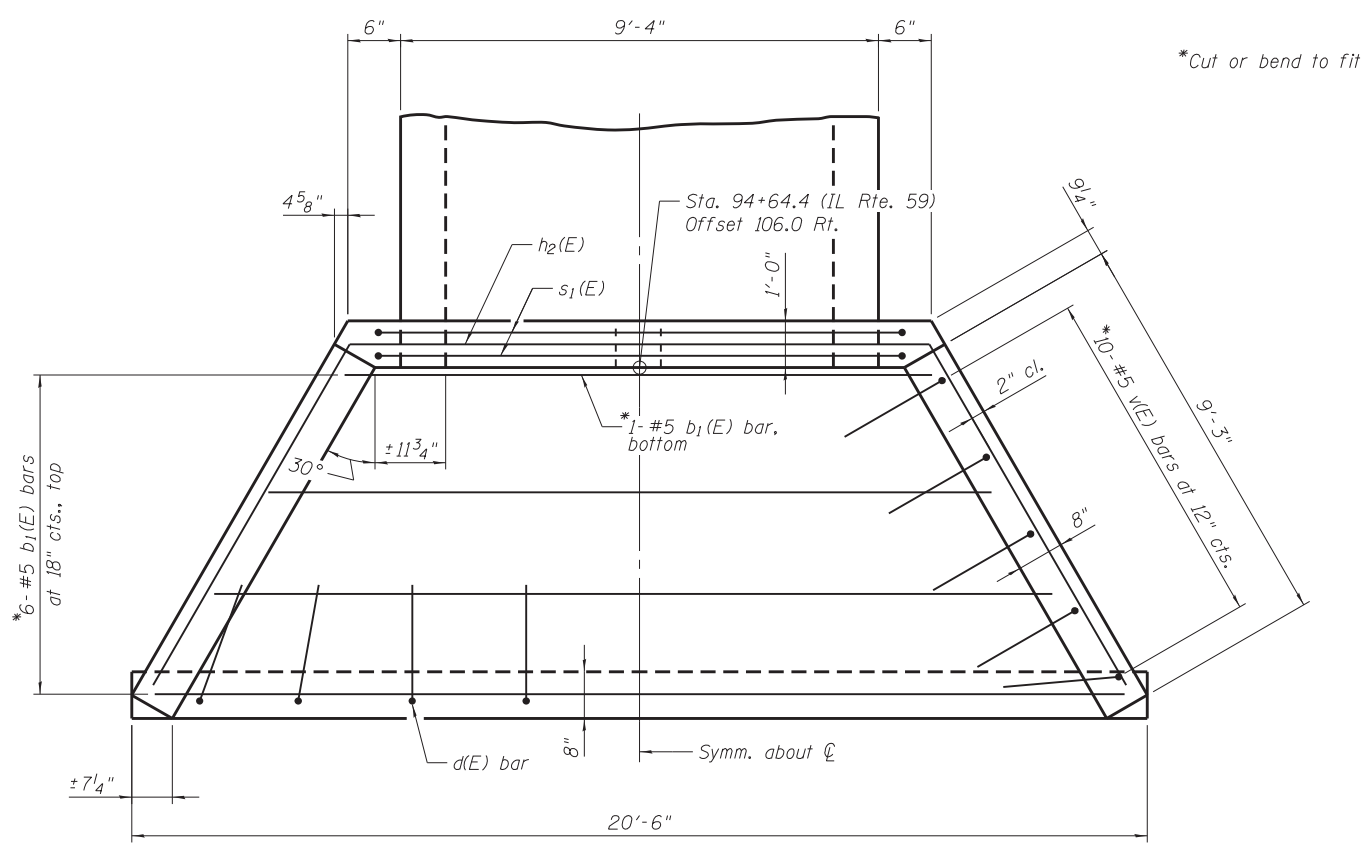
Bar	No.	Size	Length	Shape
b ₁ (E)	8	#5	20'-2"	—
d(E)	14	#5	5'-4"	└
h ₂ (E)	1	#5	28'-11"	∩
h ₃ (E)	10	#5	9'-3"	—
s ₁ (E)	4	#5	19'-7"	└
v(E)	20	#5	6'-4"	└

MIN. BAR LAP

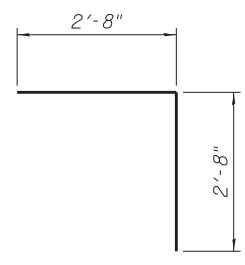
#5 = 3'-9"

NOTES

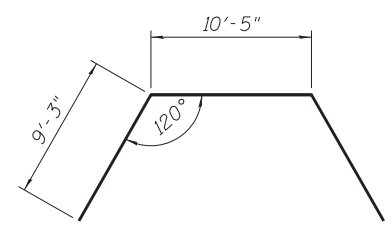
1. Install Upstream End Section during Stage 4 Construction.



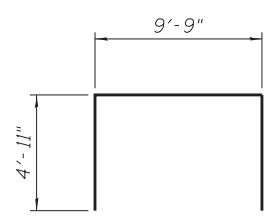
UPSTREAM END PLAN



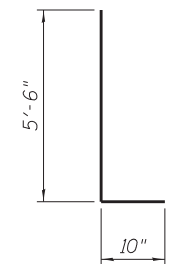
BAR d(E)



BAR h₂(E)



BAR s₁(E)



BAR v(E)

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.238.9100
www.bbainc.com

USER NAME =
PLOT SCALE = N.T.S.
PLOT DATE = 8/23/2017

DESIGNED - CA
CHECKED - DF
DRAWN - MTR
CHECKED - CA

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REVISED
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REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UPSTREAM END SECTION DETAILS
STRUCTURE NO. 016-2308

SHEET NO. 4 OF 6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	308

CONTRACT NO. 60V57

ILLINOIS FED. AID PROJECT



BORING LOG CB1-01

Page 1 of 1

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 314-16-02
Client **Bowman, Barrett & Associates, Inc.**
Project **IL Route 59/ US Route 20 (FAP 345) Supplemental**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 790.81 ft
North: 1945071.19 ft
East: 1019692.66 ft
Station: NA
Offset: NA

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.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
790.54	1/2-inch thick, brown ORGANIC SILTY CLAY --TOPSOIL-- Hard, brown SILTY CLAY LOAM, little gravel, asphalt pieces	0	1	5 6 7	4.50 P	13	790.54	--A-2-4 (0)-- --HARD DRILLING-- --Possible Cobbles--	0	11	4 6 8	NP	7
787.8	CONCRETE --FILL-- --HARD DRILLING--	5	2	21 50/2"	NP	5	787.8		5	12	12 11 13	NP	7
785.6	Stiff, brown SILTY CLAY LOAM, trace gravel, brick pieces --FILL--	5	3	2 2 1	1.50 P	22	785.6		30	13	5 9 9	NP	12
782.8	Very stiff, brown SILTY CLAY LOAM, trace gravel	10	4	5 6 9	3.69 B	18	782.8	Medium dense, gray, coarse SAND, little gravel; saturated	35	13	5 9 9	NP	12
780.3	--HARD DRILLING-- --Possible Cobbles-- Medium dense, brown SANDY LOAM, trace gravel; saturated	10	5	11 8 20	NP	11	780.3	Very dense, gray SAND and GRAVEL; saturated	35	14	43 50/3"	NP	10
770.3	Medium dense, gray SANDY GRAVEL; saturated --%Gravel=24.5-- --%Sand=46.1-- --%Silt=27.7-- --%Clay=1.6--	25	10	22 11 11	NP	8	770.3	Boring terminated at 39.25 ft	40	14	43 50/3"	NP	10

GENERAL NOTES

Begin Drilling **07-15-2015** Complete Drilling **07-15-2015**
Drilling Contractor **Wang Engineering Services** Drill Rig **D-25 ATV**
Driller **R&R** Logger **D. Kolpacki** Checked by **C. Marin**
Drilling Method **3.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling ∇ **11.00 ft**
At Completion of Drilling ∇ **22.00 ft**
Time After Drilling **NA**
Depth to Water ∇ **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG CB1-02

Page 1 of 1

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WEI Job No.: 314-16-02
Client **Bowman, Barrett & Associates, Inc.**
Project **IL Route 59/ US Route 20 (FAP 345) Supplemental**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 791.43 ft
North: 1945074.37 ft
East: 1019597.75 ft
Station: NA
Offset: NA

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.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
790.4	12-inch thick, CONCRETE --PAVEMENT--	0	1	11 12 6	NP	5	790.4		0	11	6 4	2.25 B	16
788.4	Medium dense, brown CRUSHED STONE; dry --BASE COURSE--	5	2	6 5 5	2.50 P	16	788.4		5	12	3 4 4	1.48 B	16
785.4	Very stiff, brown SILTY CLAY LOAM, trace gravel --FILL--	5	3	4 3 3	2.00 P	14	785.4		30	12	3 4 4	1.48 B	16
783.4	Medium stiff to very stiff, brown SILTY CLAY	10	4	2 2 3	1.23 B	26	783.4	Loose, gray SAND, trace gravel; saturated	35	13	1 3 4	NP	14
775.9	Medium dense, brown SANDY GRAVEL; saturated	15	5	2 2 3	2.00 P	21	775.9		35	14	20 18 14	NP	9
773.4	Stiff to very stiff, gray SILTY CLAY, trace gravel	20	6	1 2 2	0.82 B	29	773.4	Dense, gray SANDY GRAVEL; saturated	40	14	20 18 14	NP	9
770.3	Boring terminated at 40.00 ft	40	7	10 10 7	NP	14	770.3	Boring terminated at 40.00 ft	40	14	20 18 14	NP	9

GENERAL NOTES

Begin Drilling **07-16-2015** Complete Drilling **07-16-2015**
Drilling Contractor **Wang Engineering Services** Drill Rig **D-50 TMR**
Driller **R&K** Logger **D. Kolpacki** Checked by **C. Marin**
Drilling Method **3.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling ∇ **16.00 ft**
At Completion of Drilling ∇ **32.00 ft**
Time After Drilling **NA**
Depth to Water ∇ **NA**

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BOWMAN, BARRETT & ASSOCIATES INC.
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USER NAME -
PLOT SCALE - N.T.S.
PLOT DATE - 8/23/2017

DESIGNED - CA
CHECKED - DF
DRAWN - MTR
CHECKED - CA

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
STRUCTURE NO. 016-2308

SHEET NO. 5 OF 6 SHEETS

F.A.P. RTE. 345 SECTION 7K-1(12) COUNTY COOK TOTAL SHEETS 384 SHEET NO. 309
CONTRACT NO. 60V57
ILLINOIS FED. AID PROJECT



BORING LOG CB1-03

Page 1 of 1

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1145 N Main Street
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WEI Job No.: 314-16-02
Client **Bowman, Barrett & Associates, Inc.**
Project **IL Route 59/ US Route 20 (FAP 345) Supplemental**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 783.30 ft
North: 1945084.90 ft
East: 1019533.12 ft
Station: NA
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
782.95	1/2-inch thick, brown SILTY LOAM --TOPSOIL-- Soft to stiff, dark brown to brown SILTY CLAY --L _c (%)=68, P _c (%)=27-- --%Gravel=0.1-- --%Sand=1.7-- --%Silt=66.6-- --%Clay=31.7-- --A-7-6 (47)--	0	X	1	2 2 3	0.82 B	24	782.95	Dark brown SANDY GRAVEL --SHOULDER--	0	X	11	7 8 16	NP	13
		5	X	2	2 2 2	0.57 B	49		--heaving sand, washed augers--	30	X	12	10 11 17	NP	11
		10	X	3	1 1 1	0.49 B	49		--HARD DRILLING-- --Possible Cobbles--	35	X	13	12 12 16	NP	10
773.3	Medium dense, gray SANDY GRAVEL; saturated --HARD DRILLING-- --Possible Cobbles--	10	X	4	3 4 6	0.49 B	27	743.3	--heaving sand, washed augers--	40	X	14	12 15 15	NP	9
		15	X	5	14 10 9	NP	17		Boring terminated at 40.00 ft	45	X	8	4 6 10	NP	17
767.8	Stiff to very stiff, gray SILTY CLAY, trace gravel	15	X	6	9 9 8	NP	12			50	X	9	8 11 13	NP	16
		20	X	7	3 4 7	1.39 B	18				X	10	11 11 17	NP	17
		25	X	8	4 6 10	1.48 B	17				X	10	3 4 6	NP	12
760.3	Medium dense to dense, gray SANDY GRAVEL; saturated	25	X	9	8 11 13	3.53 B	16				X	10	3 4 6	NP	12
			X	10	11 11 17	NP	17				X	10	3 4 6	NP	12

GENERAL NOTES

Begin Drilling **07-17-2015** Complete Drilling **07-17-2015**
 Drilling Contractor **Wang Engineering Services** Drill Rig **D-25 ATV**
 Driller **R&K** Logger **D. Kolpacki** Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **10.00 ft**
 At Completion of Drilling **6.00 ft**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG SGB-RE-01

Page 1 of 1

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WEI Job No.: 314-16-01
Client **Bowman, Barrett, and Associates, Inc.**
Project **IL Rte 59/US Rte 20 (FAP 345 & 338) Interchange**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 789.17 ft
North: 1945080.34 ft
East: 1019644.26 ft
Station: 304+00.31
Offset: 5.782 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
788.2	Dark brown SANDY GRAVEL --SHOULDER--	0	X	1	7 9 10	2.21 B	29	788.2	Very stiff to hard, brown CLAY LOAM to SILTY CLAY LOAM, trace gravel --FILL-- --L _c (%)=37, P _c (%)=17-- --%Gravel=13.9-- --%Sand=20.3-- --%Silt=44.1-- --%Clay=21.8-- --A-6(11)--	0	X	1	7 9 10	2.21 B	29
		5	X	2	7 5 5	4.25 P	22			5	X	2	7 5 5	4.25 P	22
		10	X	3	4 5 6	3.28 B	19			10	X	4	4 7 9	2.30 B	19
781.2	Very stiff to hard, brown to gray SILTY CLAY, trace gravel	10	X	4	4 7 9	2.30 B	19			15	X	6	4 7 8	3.28 B	14
		15	X	5	6 9 10	5.33 B	21			20	X	8	8 5 5	NP	11
		20	X	6	4 7 8	3.28 B	14			25	X	10	3 4 6	NP	12
773.7	Medium dense, brown to gray LOAM to SILTY LOAM, trace to little gravel	20	X	7	5 4 8	NP	13				X	10	3 4 6	NP	12
		25	X	8	8 5 5	NP	11				X	10	3 4 6	NP	12
			X	9	5 5 6	NP	12				X	10	3 4 6	NP	12
764.2	Boring terminated at 25.00 ft	25	X	10	3 4 6	NP	12				X	10	3 4 6	NP	12

GENERAL NOTES

Begin Drilling **02-16-2015** Complete Drilling **02-16-2015**
 Drilling Contractor **Wang Testing Services** Drill Rig **D-50 ATV**
 Driller **K&K** Logger **A. Happel** Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.238.9100
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USER NAME -
DESIGNED - CA
CHECKED - DF
PLOT SCALE - N.T.S.
DRAWN - MTR
PLOT DATE - 8/23/2017

REVISOR
REVISOR
REVISOR
REVISOR

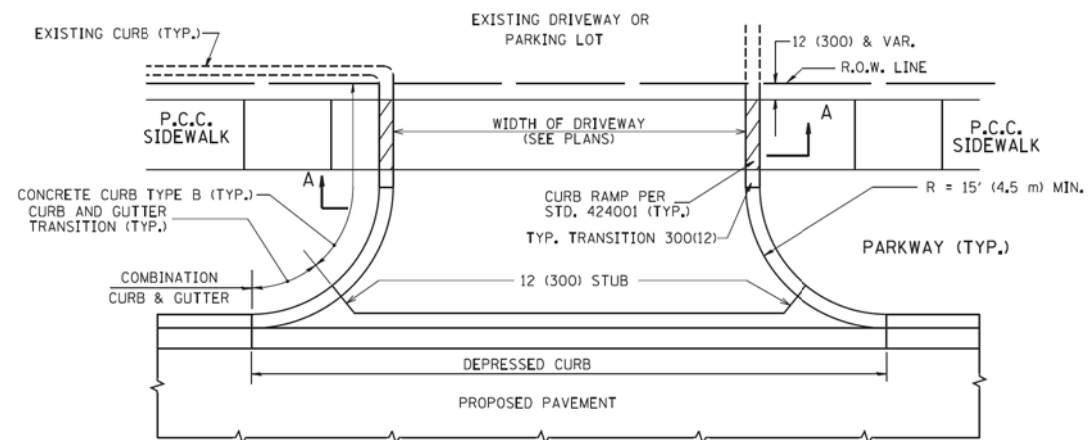
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
STRUCTURE NO. 016-2308

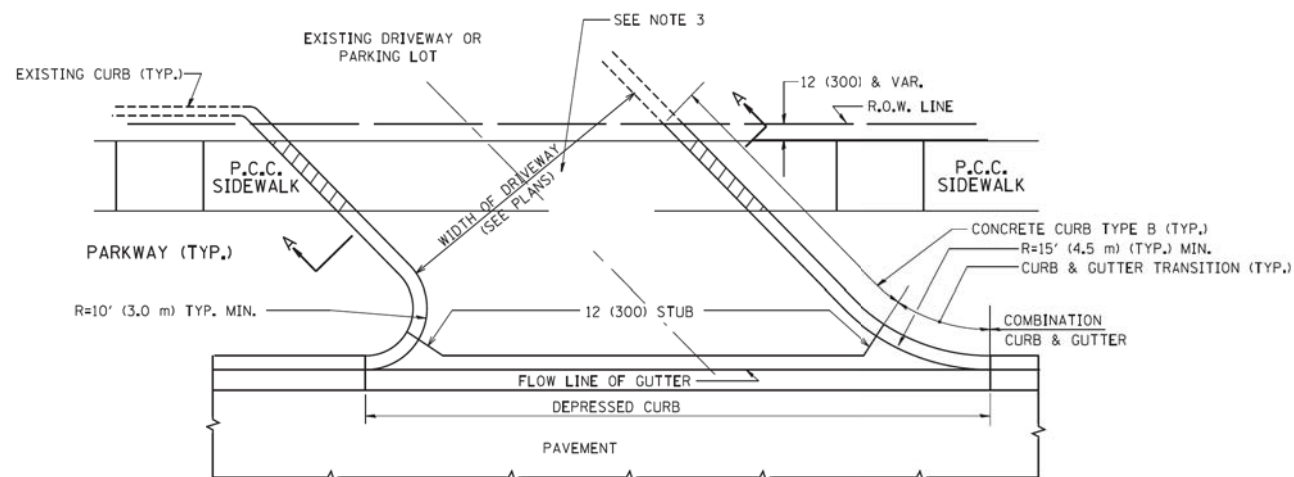
SHEET NO. 6 OF 6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	310
CONTRACT NO. 60V57				

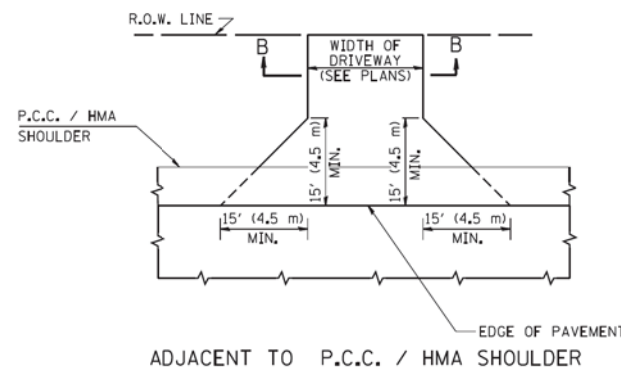
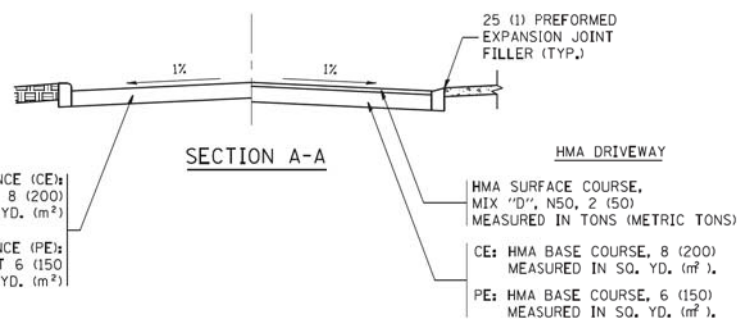
ILLINOIS FED. AID PROJECT



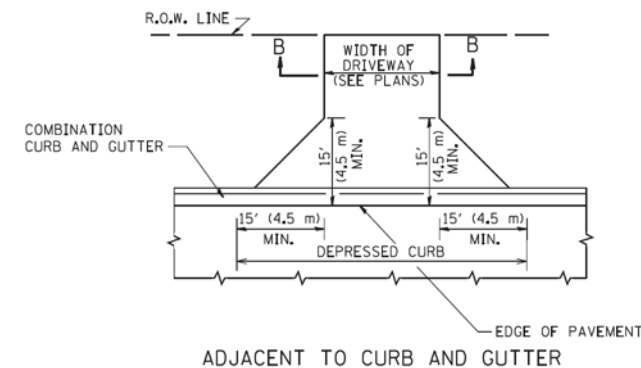
WITH CONCRETE CURB, TYPE B



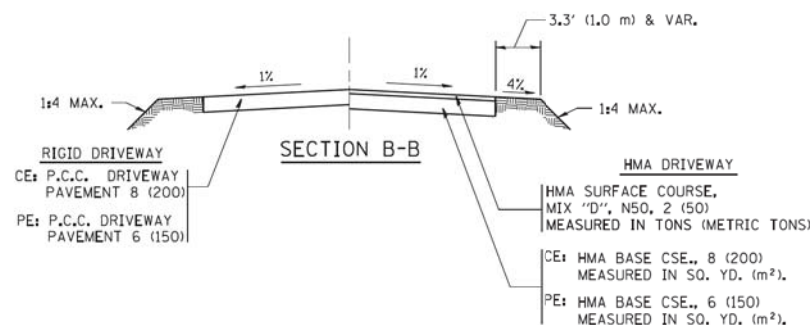
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

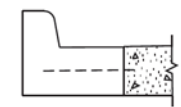
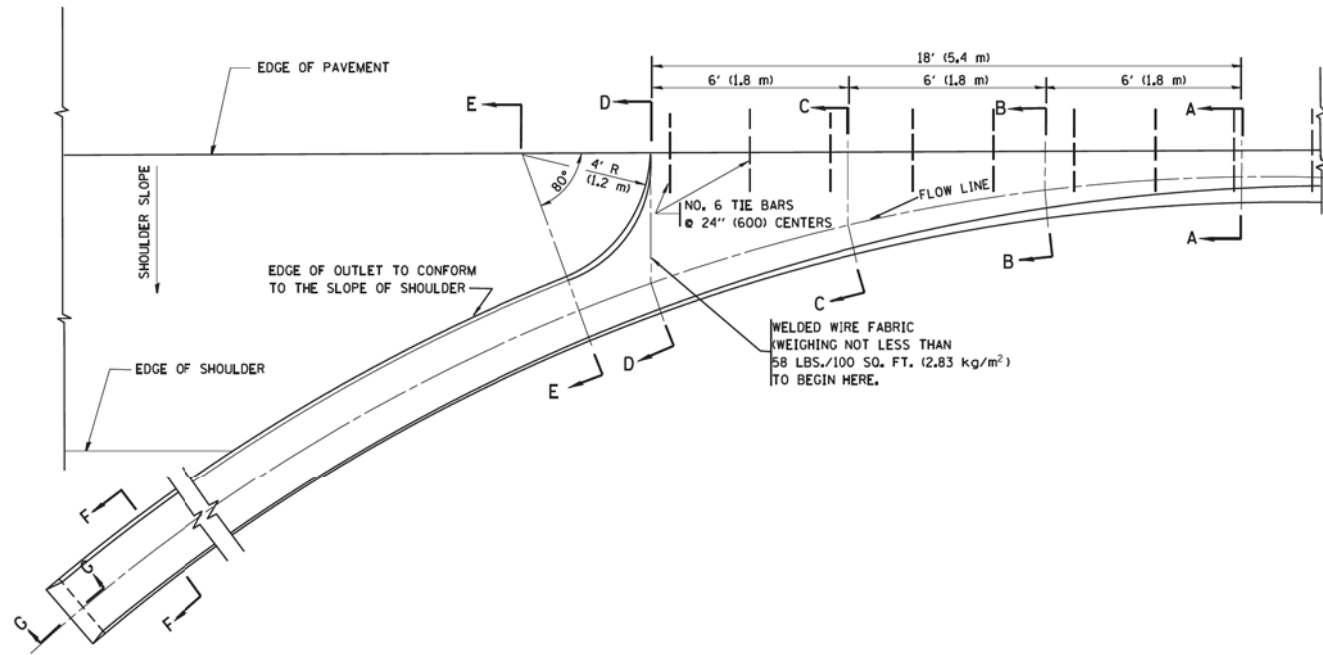
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

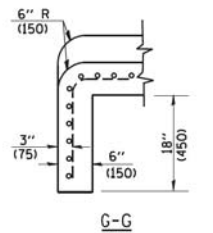
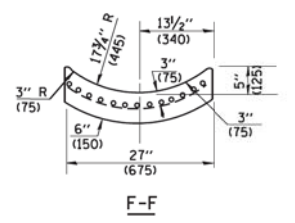
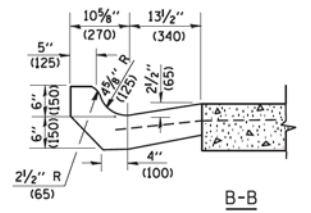
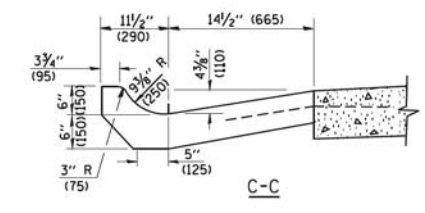
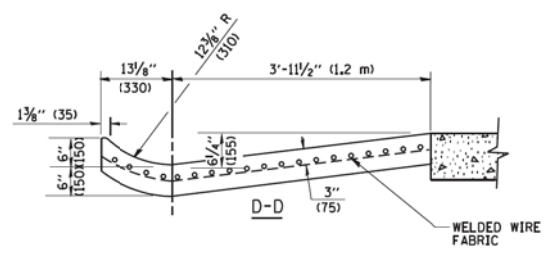
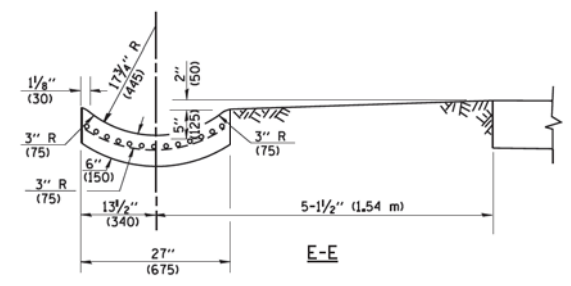
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	PLOT SCALE = 50,0000 1/16"	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD0156-07 (BD-01)	CONTRACT NO.		
	PLOT DATE = 9/6/2011	CHECKED -	REVISED - R. BORO 06-11-08						FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		
		DATE - 11-04-95	REVISED - R. BORO 09-06-11									

FILE NAME = #FILEL\$	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#MODELNAME\$	PLOT SCALE = #SCALE\$	CHECKED -	REVISED -		SCALE: N/A	SHEET 1 OF 19 SHEETS	STA. N/A	TO STA. N/A	345	7K-1(12)	COOK	384 311
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -									CONTRACT NO. 60V57
												ILLINOIS FED. AID PROJECT



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6\" (1.8 m) FOR EACH 1% INCREASE IN GRADE.

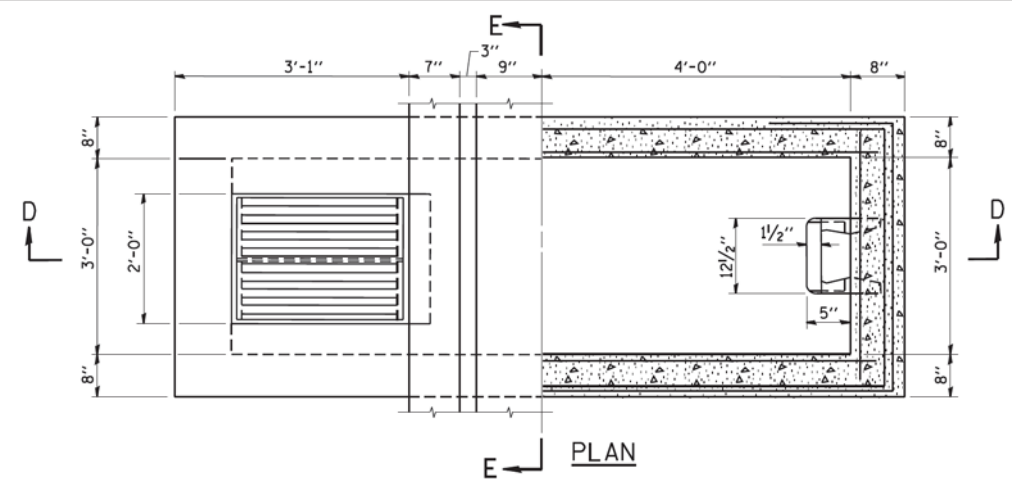
QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 10\" (250) PAV'T.
 FOR SECTION F-F =
 0.045 CU. YDS. (0.03 m³) CLASS SI CONCRETE PER FT. (M).

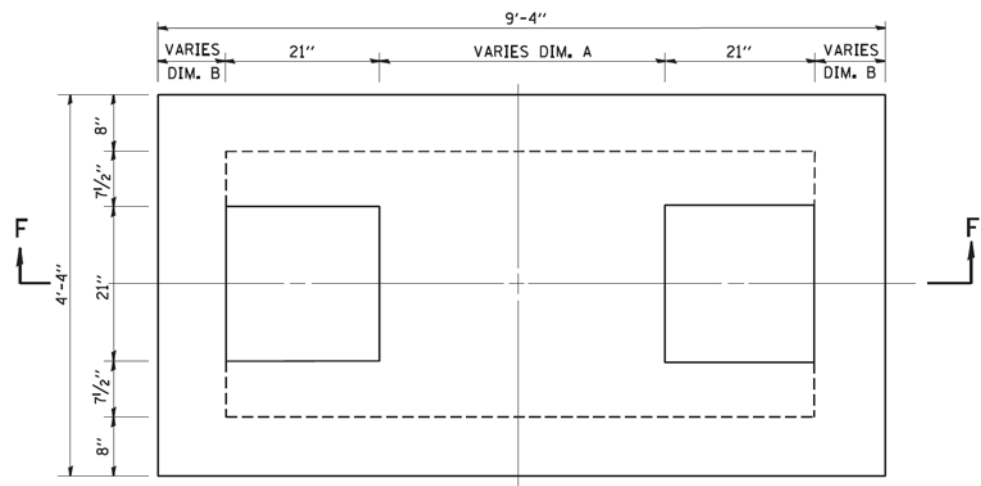
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME - W:\diststd\22x34\bd03.dgn	USER NAME - gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTTER	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 58.0000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94			BD600-01	(BD-03)	CONTRACT NO.		
	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED - E. GOMEZ 12-21-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

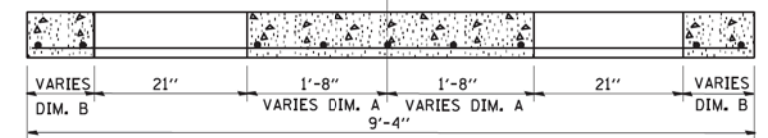
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MODELNAME	PLOT DATE = 8/23/2017	CHECKED -	REVISED -			SCALE: N/A	SHEET 2 OF 19 SHEETS	STA. N/A	TO STA. N/A	345	7K-1(12)	COOK
ILLINOIS FED. AID PROJECT												



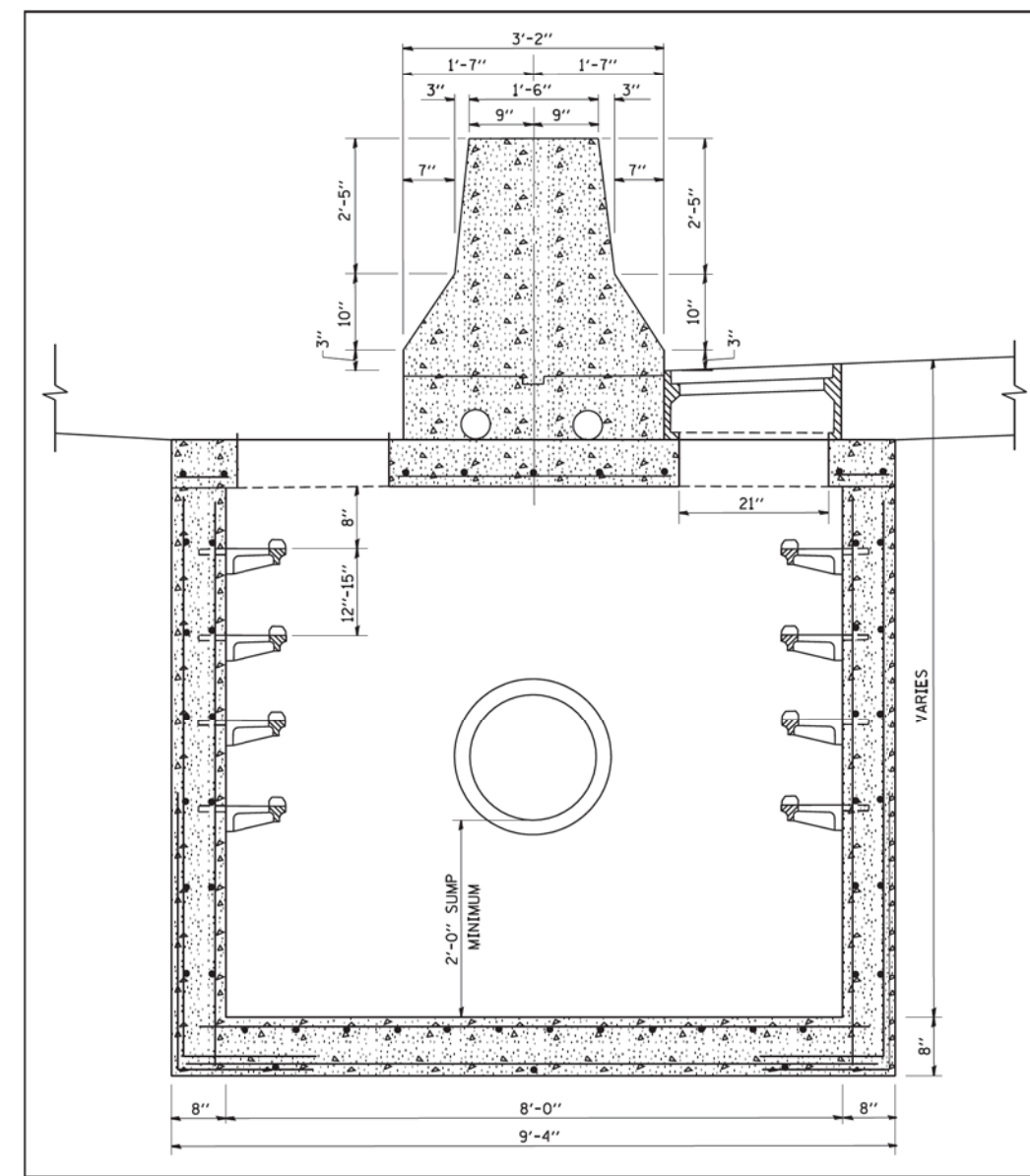
PLAN



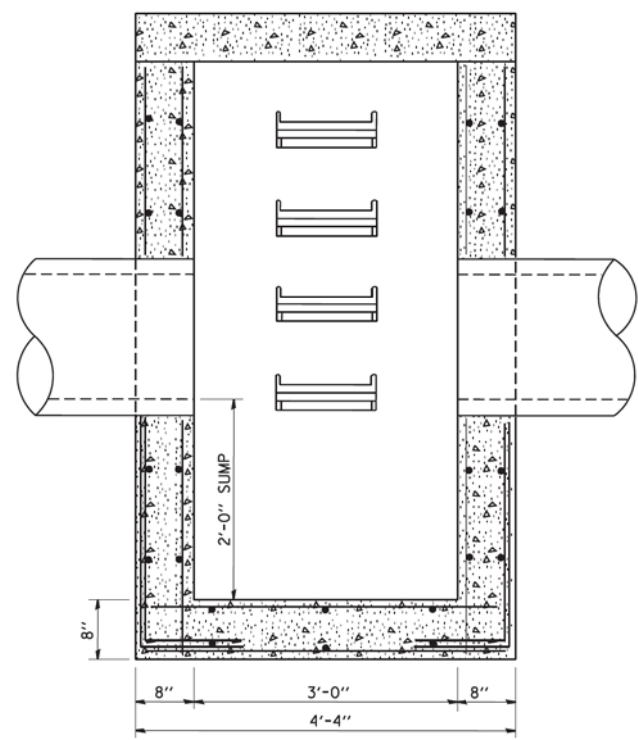
PRE-CAST SLAB PLAN



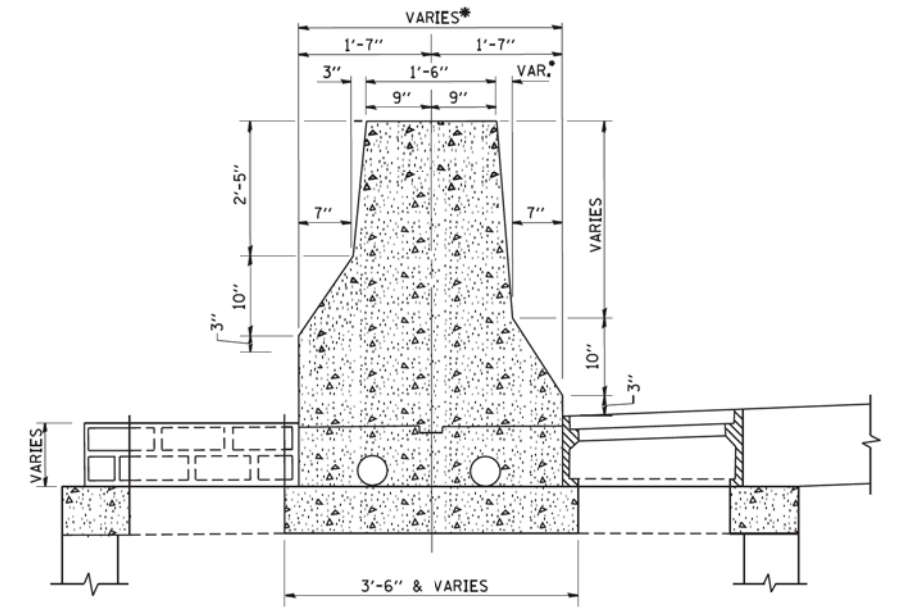
SECTION F-F



SECTION D-D



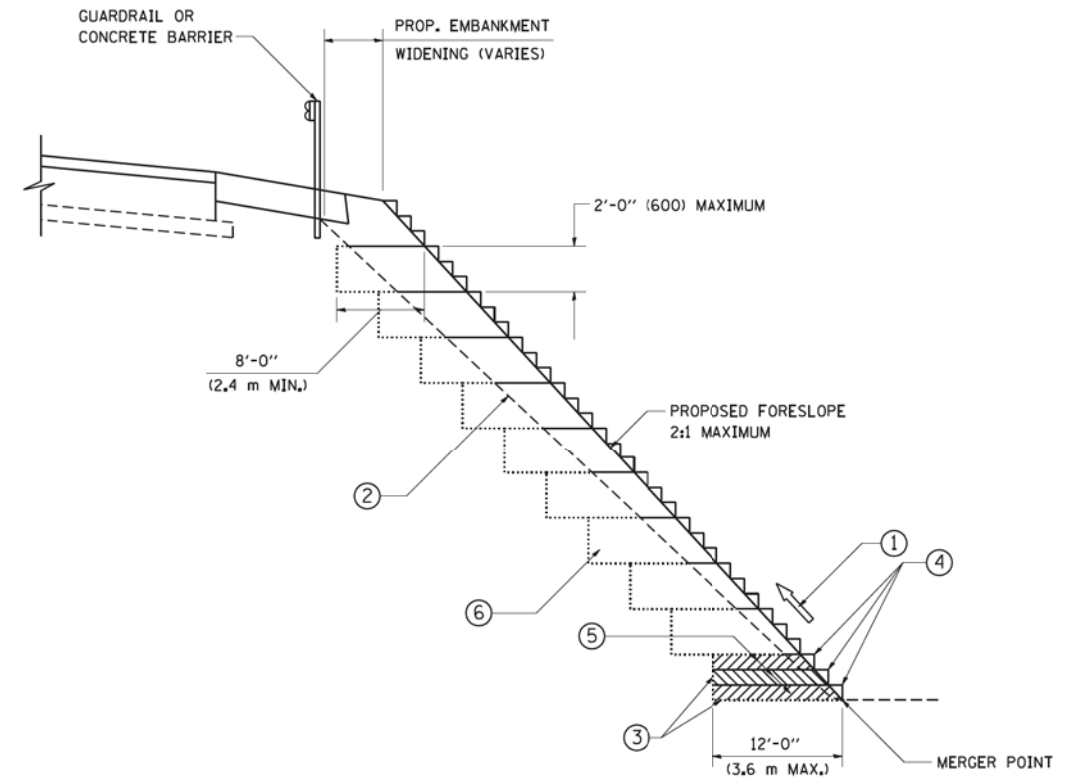
SECTION E-E



TOP SECTION D-D
DIFFERENT PGL (GRATE EL.)

FILE NAME = W:\diststd\22x34\bd38.dgn	USER NAME = goglienobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE TYPE 4		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	BD600-09	(BD-30)	CONTRACT NO.		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -					FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
		DATE = 10-18-02	REVISED -									

FILE NAME = #FILEL\$	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE\$	DRAWN -	REVISED -		SCALE: N/A	SHEET 3 OF 19 SHEETS	STA. N/A TO STA. N/A	345	7K-1(12)	COOK	384	313
	PLOT DATE = 8/23/2017	CHECKED -	REVISED -								CONTRACT NO. 60V57	
		DATE = 8/23/2017	REVISED -								ILLINOIS FED. AID PROJECT	



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

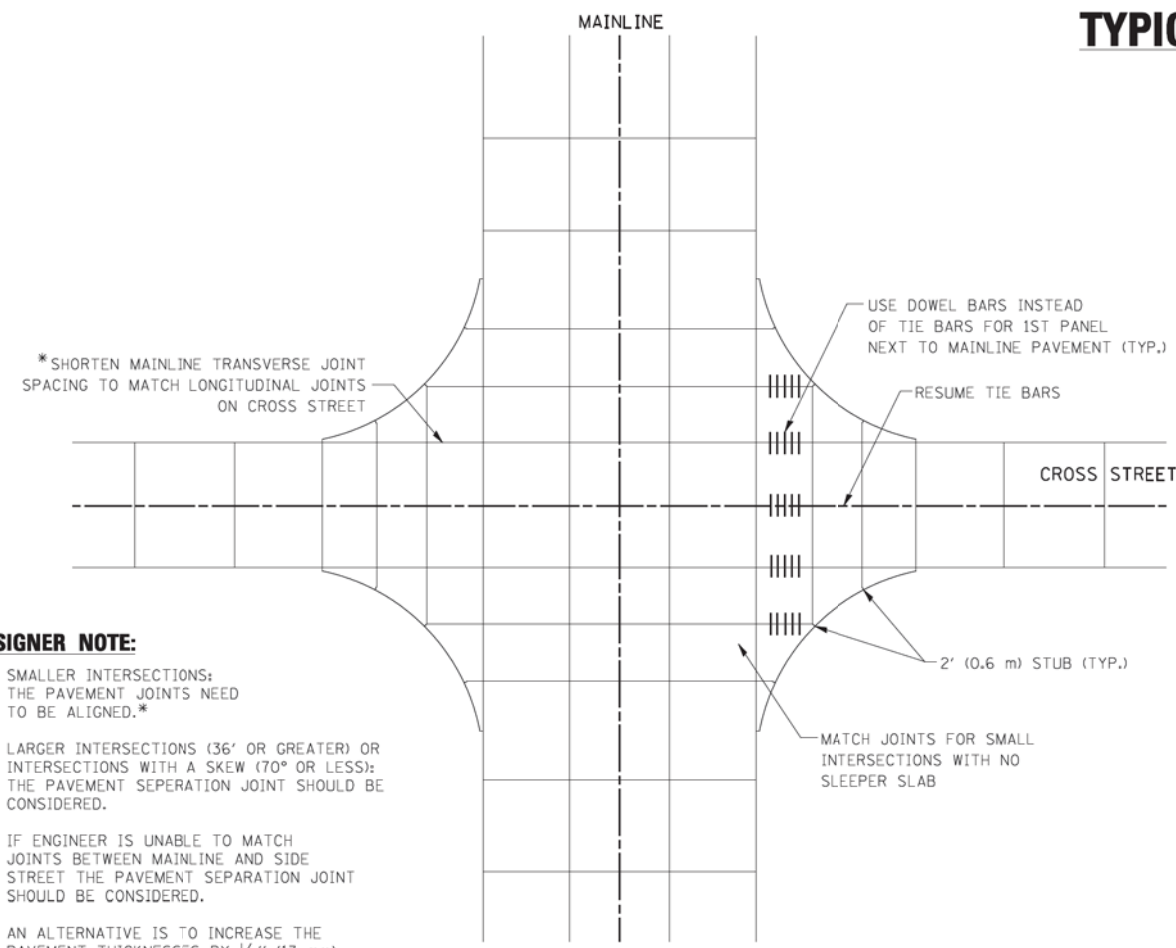
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DATE - 06-16-04	REVISED -									

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	PLOT DATE = 8/23/2017	CHECKED -	REVISED -									CONTRACT NO. 60V57
		DATE - 8/23/2017	REVISED -									ILLINOIS FED. AID PROJECT

TYPICAL APPLICATION

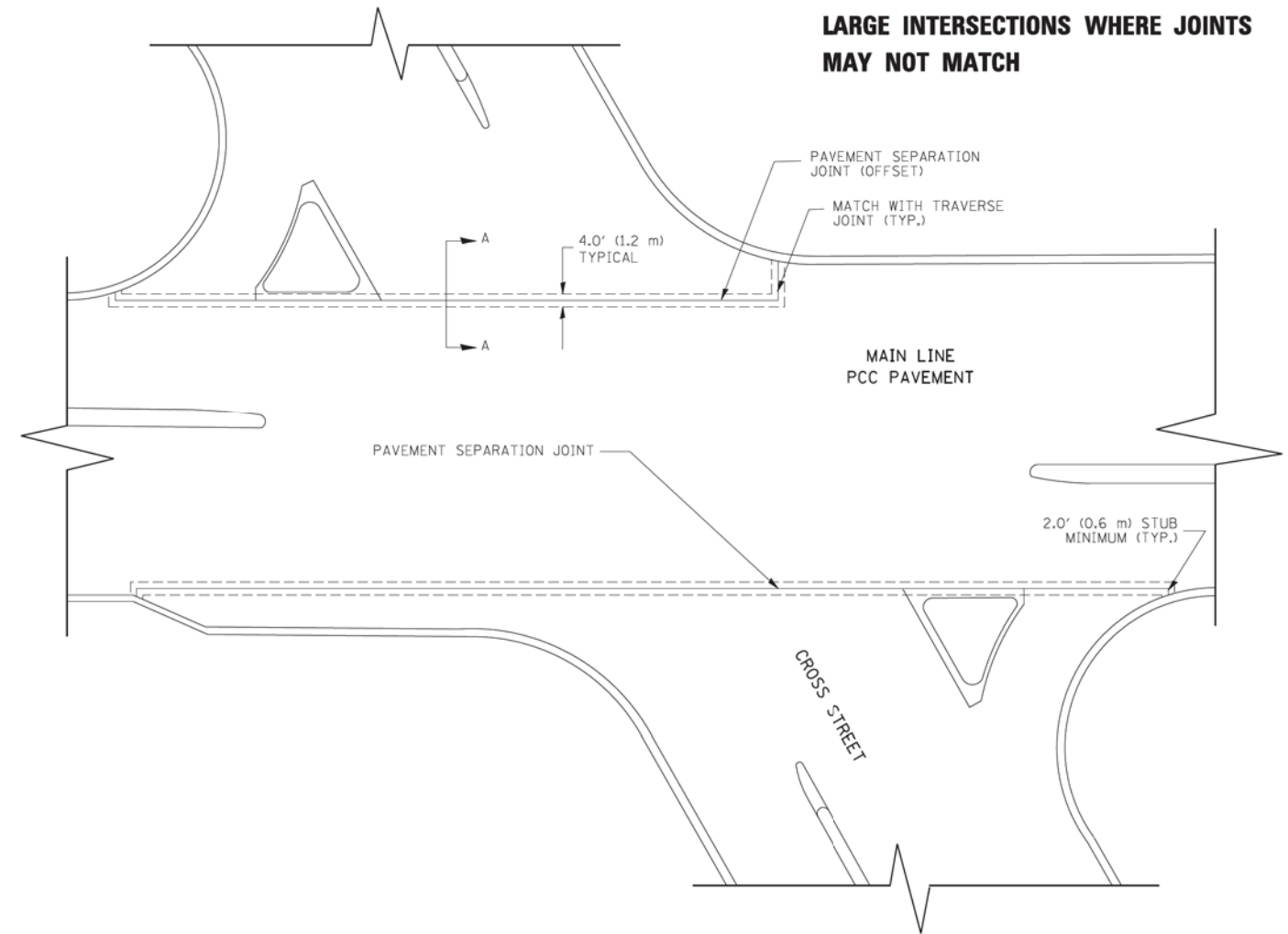
THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



DESIGNER NOTE:

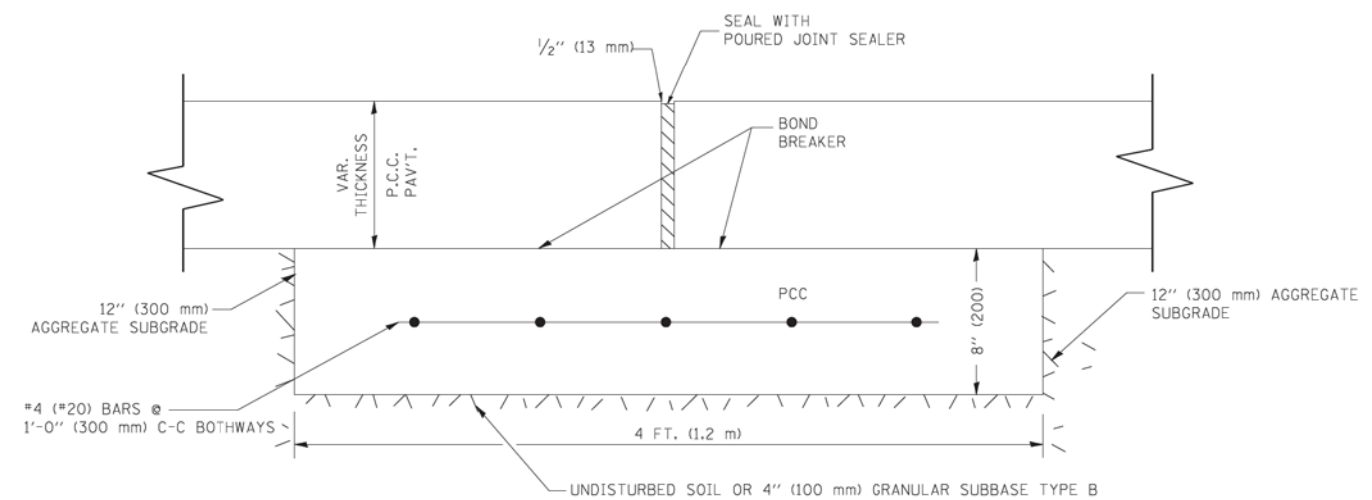
1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION.
5. OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPERATION JOINTS USED.

PLAN



NOTE:

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPERATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".

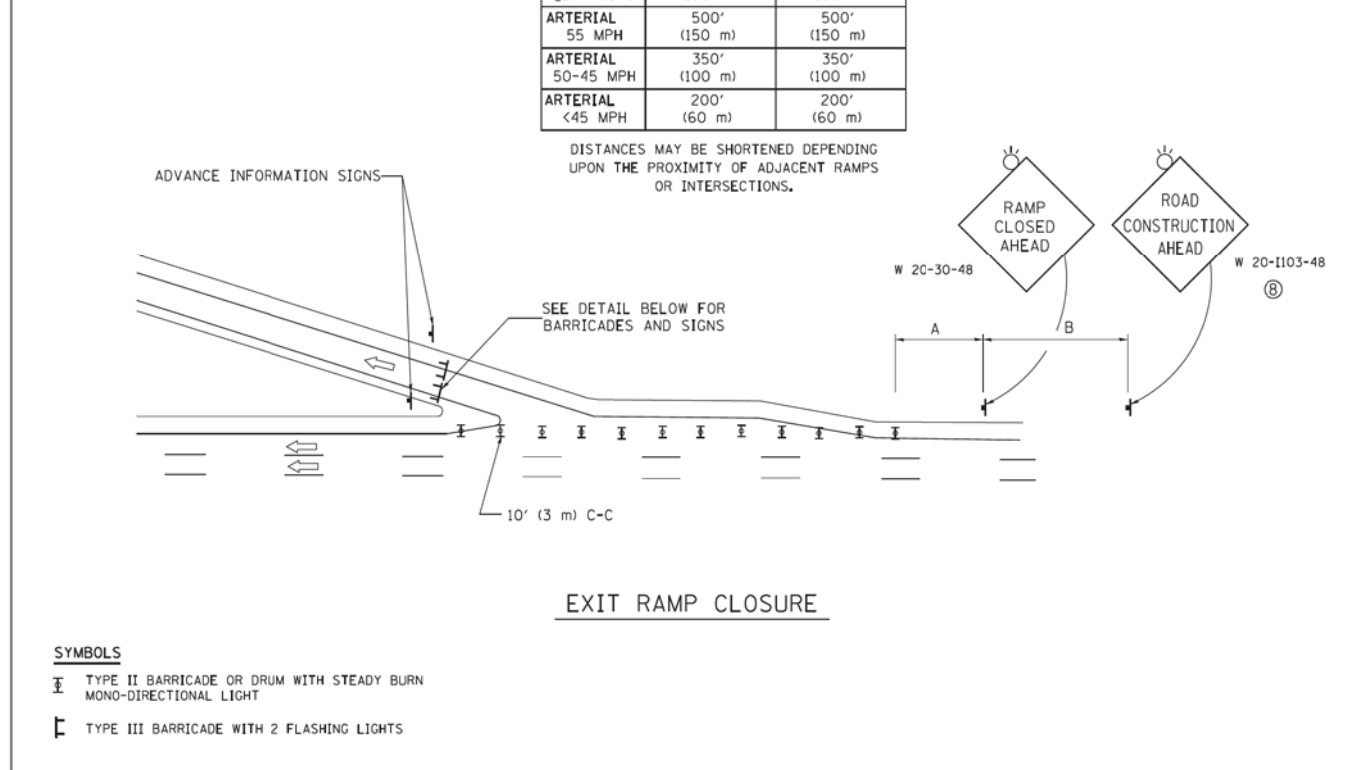
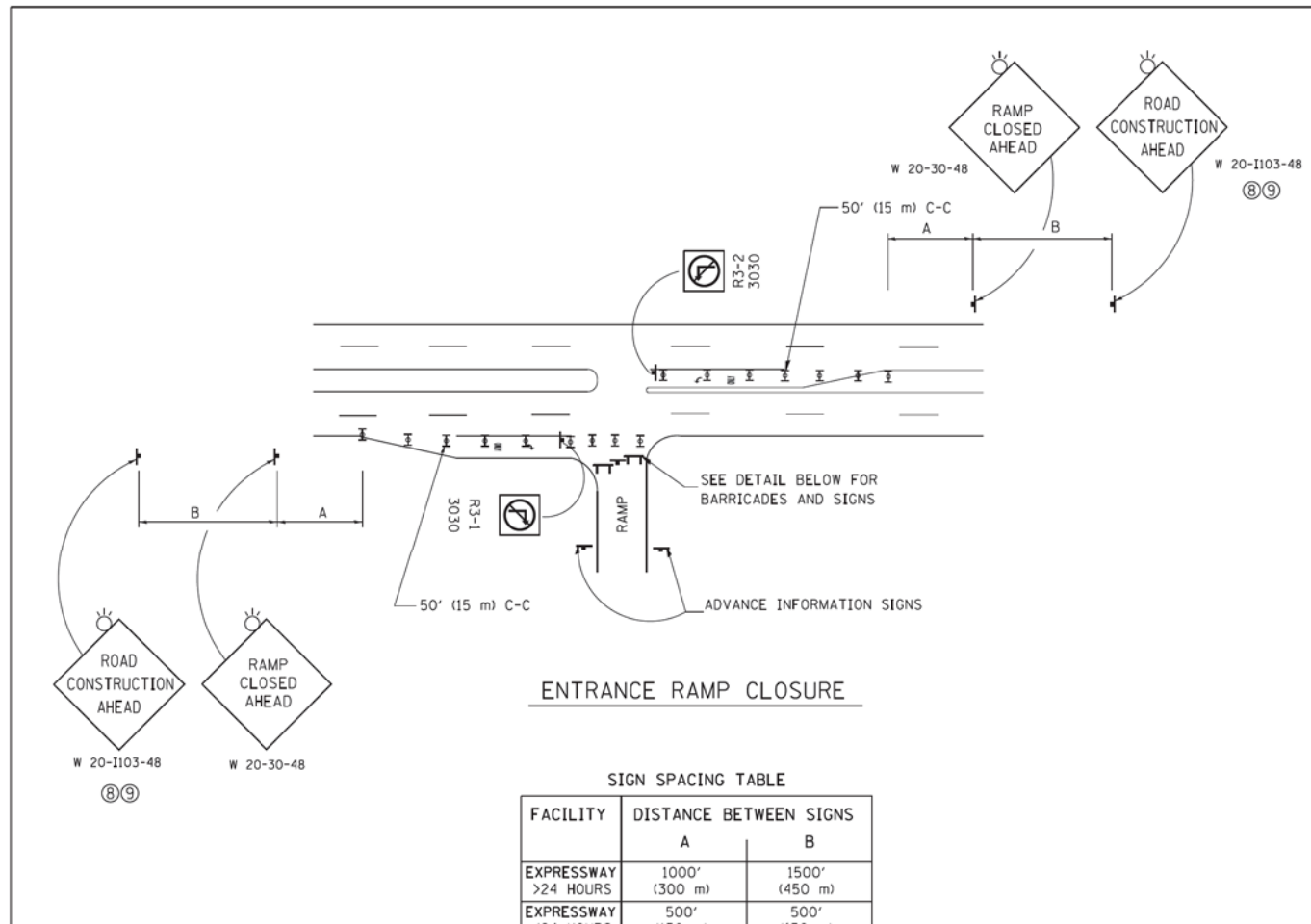


PROPOSED SECTION A-A

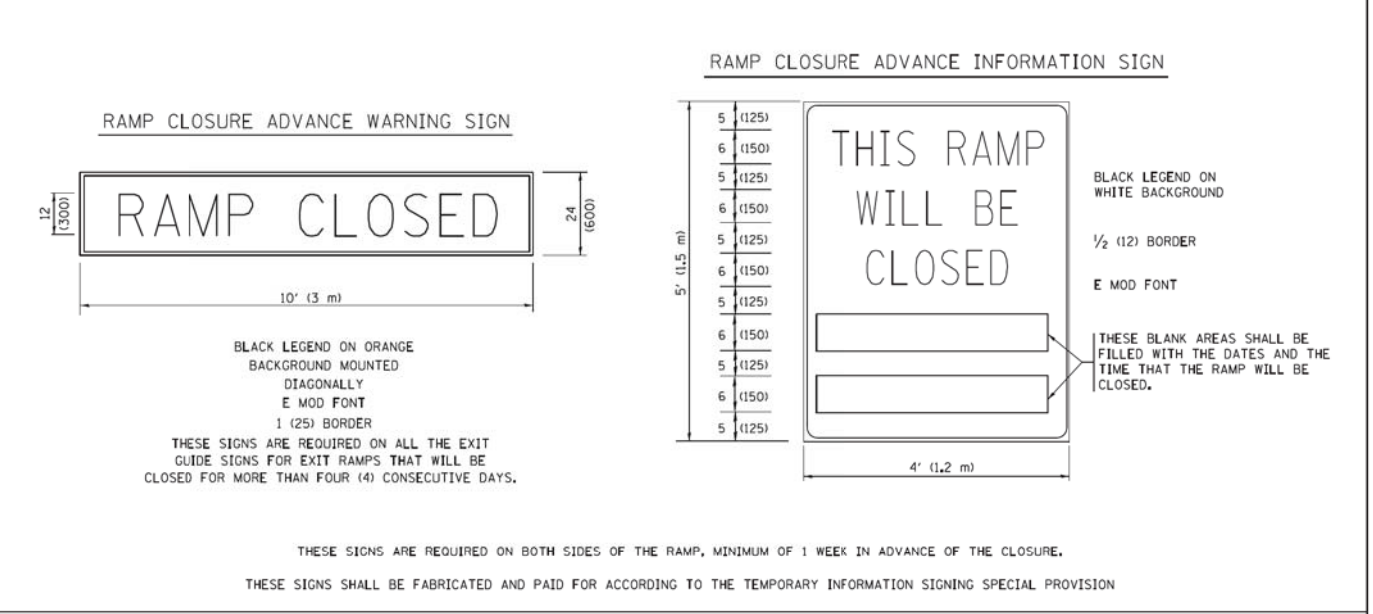
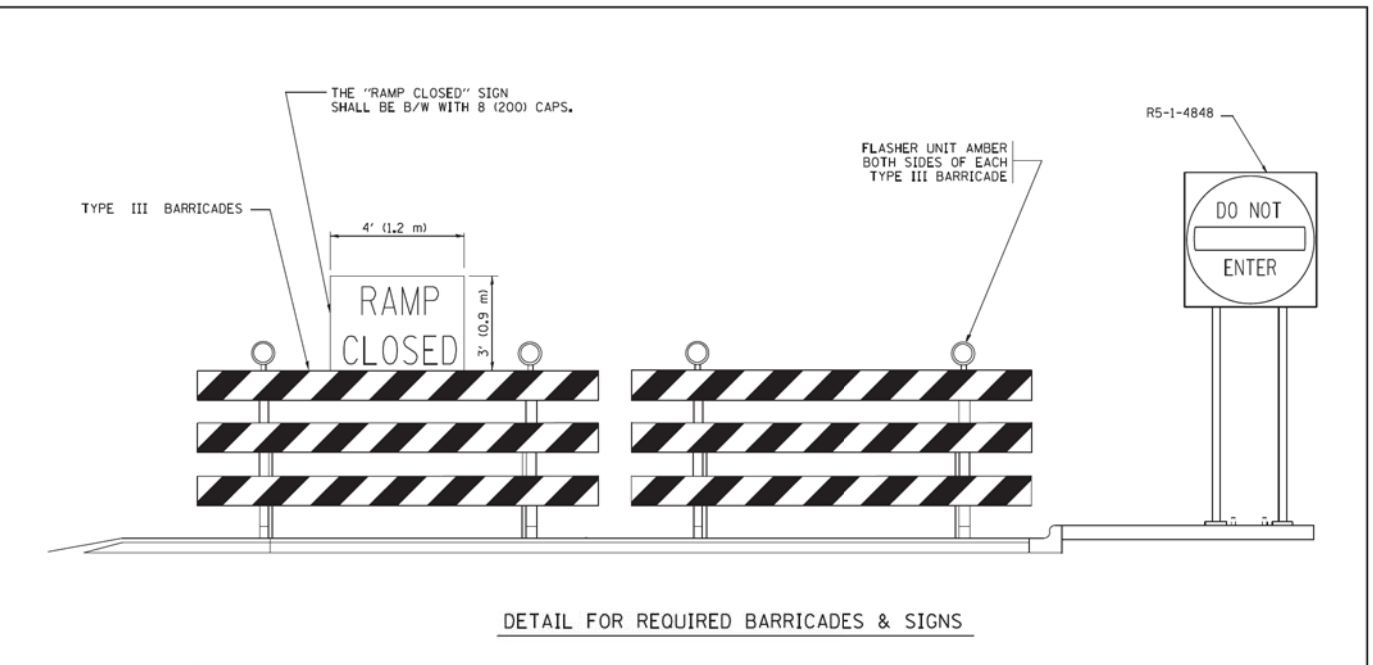
FILE NAME = bd92.dgn	USER NAME = leysa	DESIGNED - DRAWN -	REVISD - CADD 06-18-10 REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 49,9999 ' / IN.	CHECKED - DATE -	REVISD - REVISD -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD52	CONTRACT NO.

FILE NAME = #FILEL#	USER NAME = default	DESIGNED - DRAWN -	REVISD - REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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CONTRACT NO. 60V57
ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06
ct:\pw_work\pwsdot\footemj\d0108315\tc08.dgn		DRAWN -	REVISED - SPB 01-07
PLOT SCALE = 50,000' / 1" =		CHECKED -	REVISED - SPB 12-09
PLOT DATE = 7/8/2013		DATE - 02-83	REVISED - MD 06-13

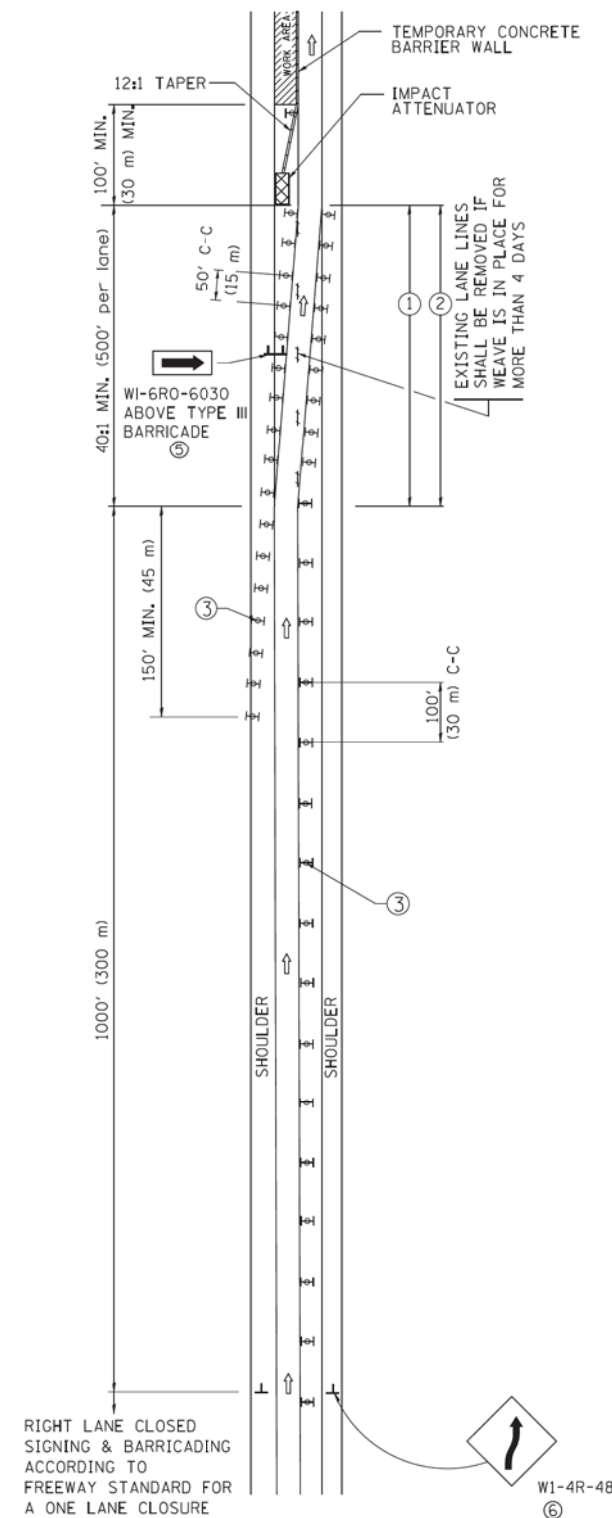


- GENERAL NOTES:**
- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
 - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 - A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
 - ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
 - THE SIGNING AND BARRICADED WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
 - AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
 - THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
 - ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
 - ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

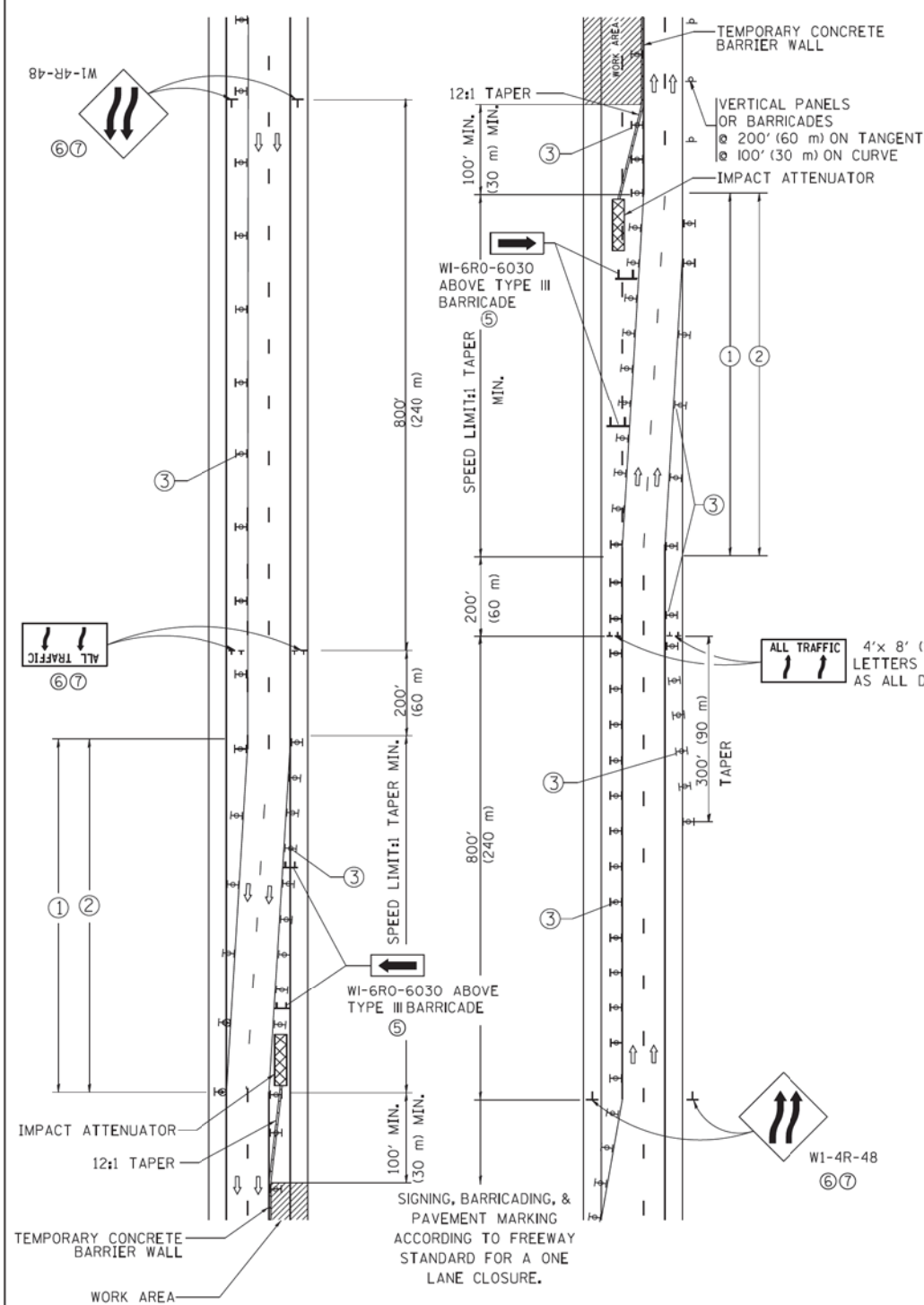
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ENTRANCE AND EXIT RAMP CLOSURE DETAILS		F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				TC-08		CONTRACT NO.		
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FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL\$		DRAWN -	REVISED -			345	7K-1(12)	COOK	384	316
#MODELNAME\$		CHECKED -	REVISED -			CONTRACT NO. 60V57			ILLINOIS FED. AID PROJECT	
		PLOT DATE = 8/23/2017	REVISED -		SCALE: N/A	SHEET 6 OF 19 SHEETS		STA. N/A TO STA. N/A		

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

RIGHT LANE CLOSED
SIGNING & BARRICADING
ACCORDING TO
FREEWAY STANDARD FOR
A ONE LANE CLOSURE

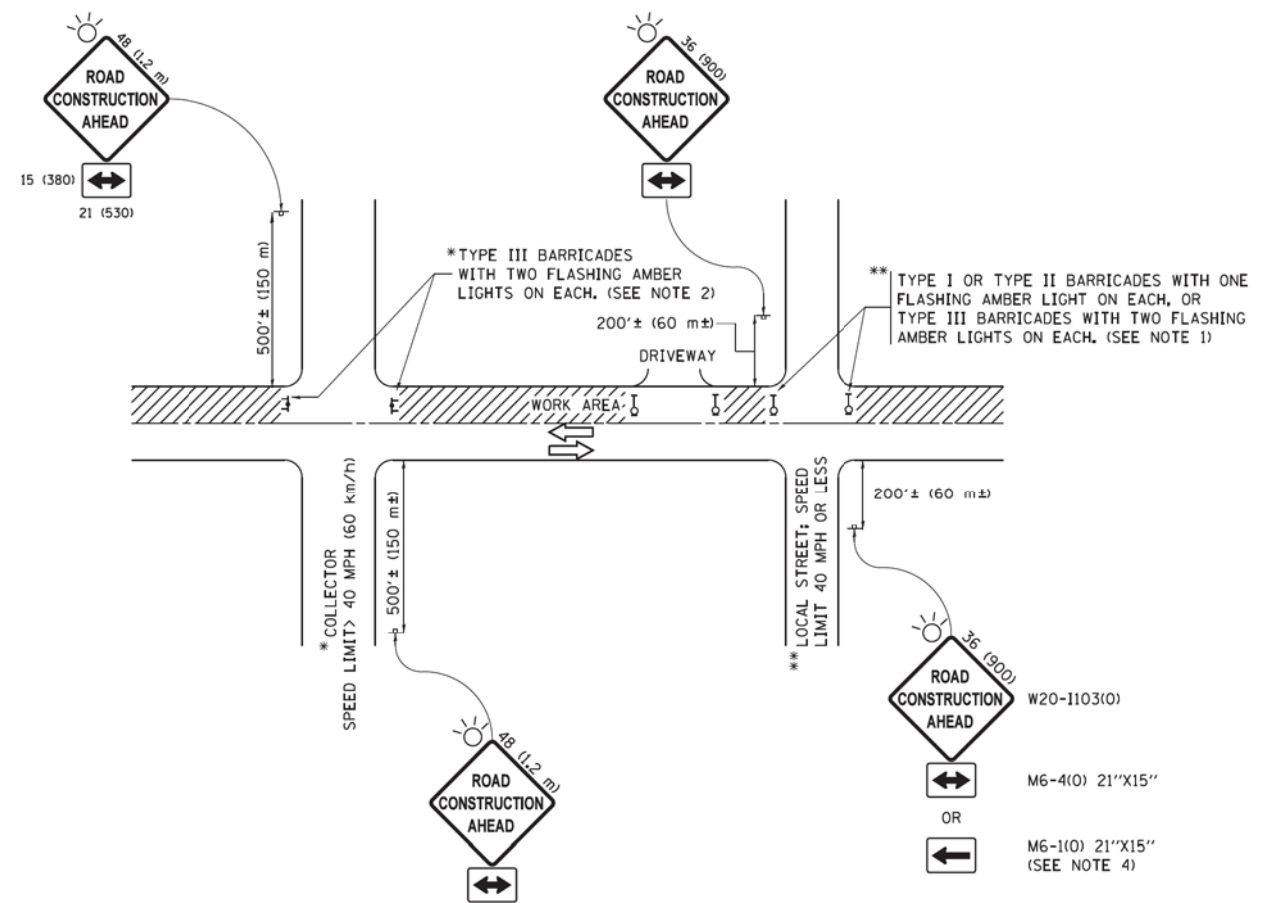
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE

FILE NAME = c:\pwork\pwork\pwork\footemj\d0108315\tc09.dgn	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,000' / 1" = 1"	CHECKED -	REVISED - SPB 01-07	TC-09			CONTRACT NO.				
PLOT DATE = 7/1/2013	DATE - 02-87	REVISED - SPB 12-09	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
		REVISED - MD 06-13								

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN

FILE NAME = #FILE#	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#MODELNAME#	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			345	7K-1(12)	COOK	384	317	
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									ILLINOIS FED. AID PROJECT		



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\1\IL084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWN\CADData\CADsheets\tcl1.dgn		CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

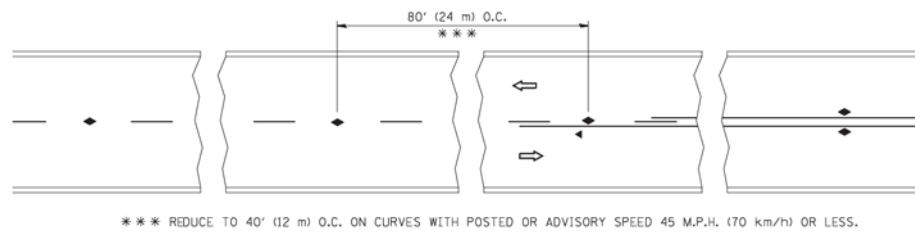
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						TC-10				
									CONTRACT NO.	
									ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

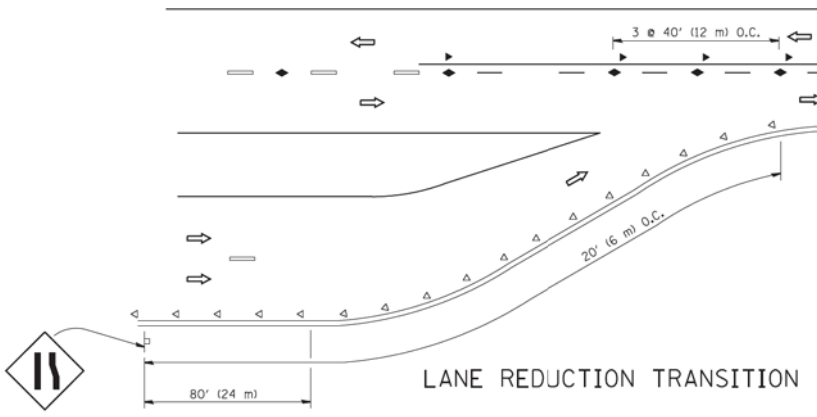
**IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET)
DISTRICT 1 STANDARD DRAWINGS**

SCALE: N/A	SHEET 8	OF 19	SHEETS	STA. N/A	TO STA. N/A	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						345	7K-1(12)	COOK	384	318
									CONTRACT NO. 60V57	
									ILLINOIS FED. AID PROJECT	

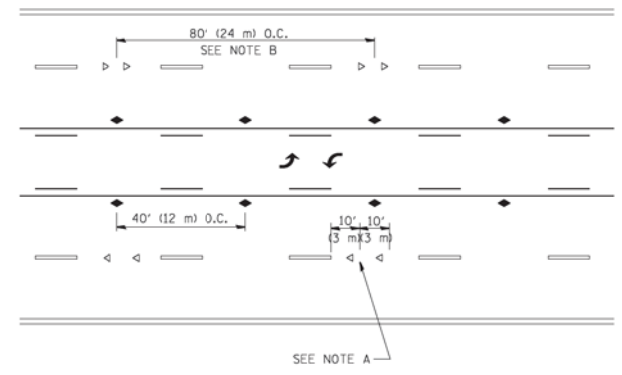


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

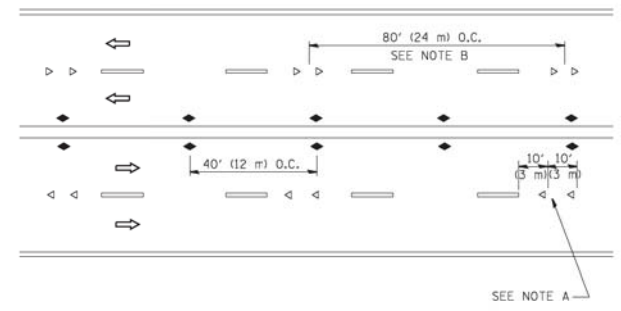
TWO-LANE/TWO-WAY



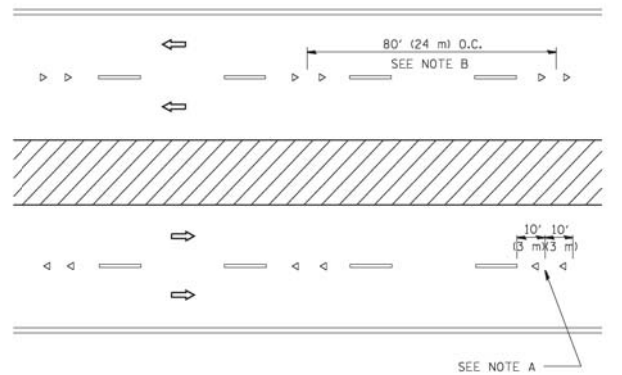
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

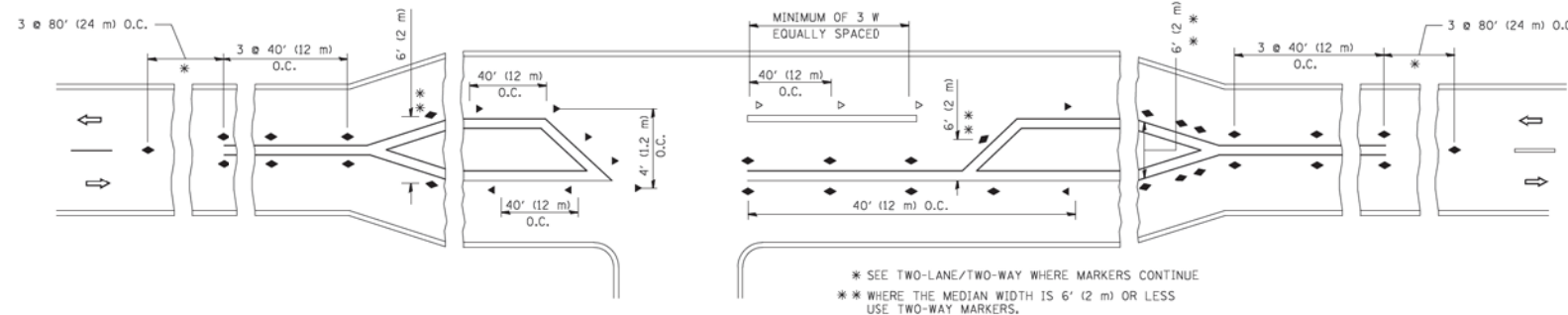
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



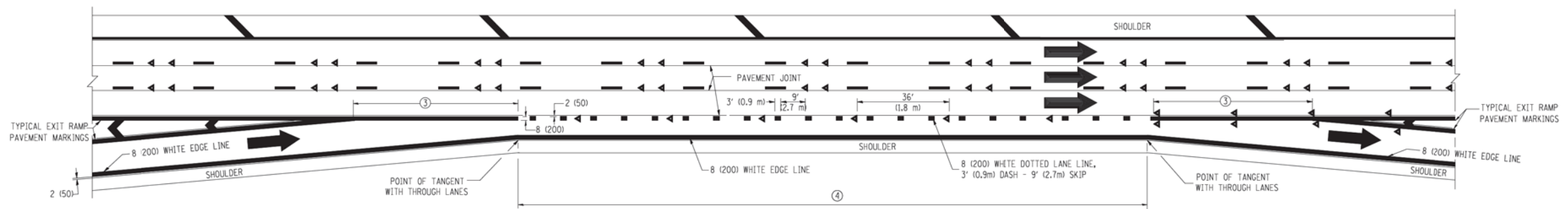
LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

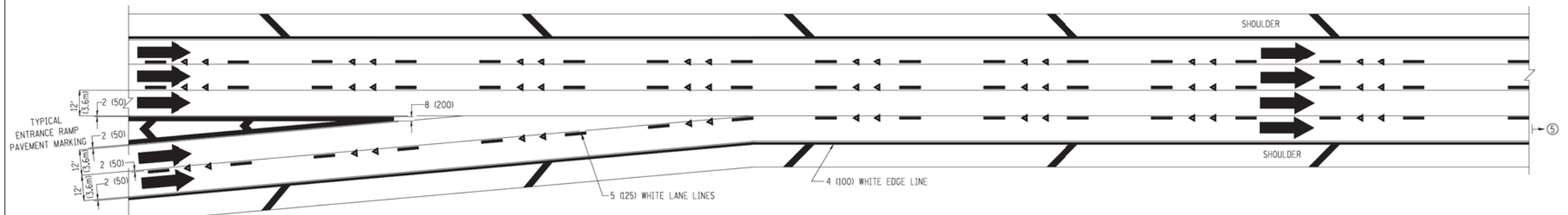
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = c:\pwwork\pwwork\lsgs\dl08315\td11.dgn	USER NAME = lsgs	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-11			
	PLOT DATE = 3/2/2011	DATE -	REVISED - T. RAMMACHER 01-06-00						CONTRACT NO.			
			REVISED - C. JUCIUS 09-09-09						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

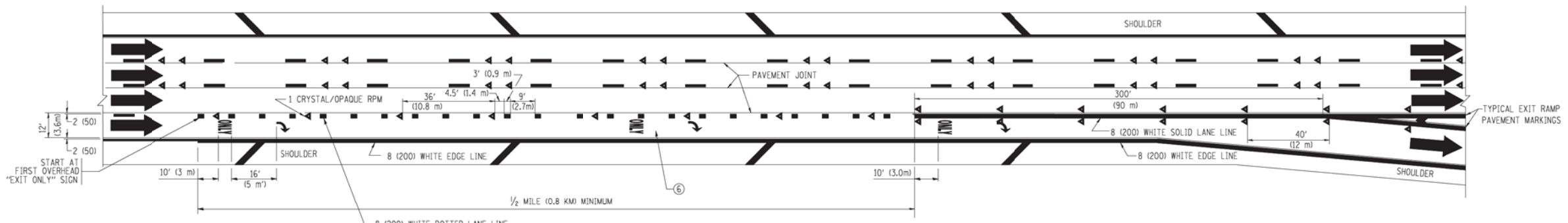
FILE NAME = #FILEL#	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 8/23/2017	DATE -	REVISED -						CONTRACT NO. 60V57			
									ILLINOIS FED. AID PROJECT			



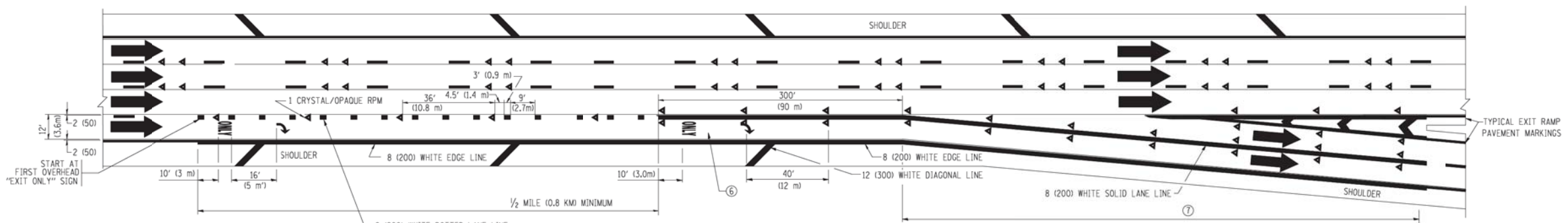
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS

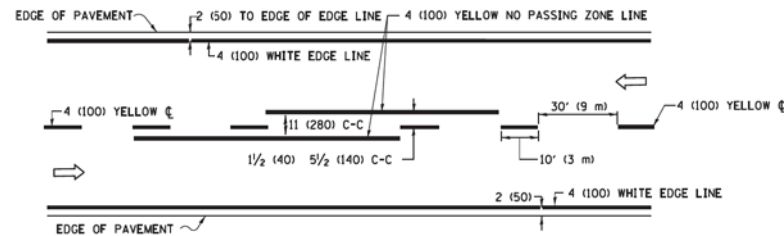


EXIT ONLY WITH OPTION LANE MARKINGS

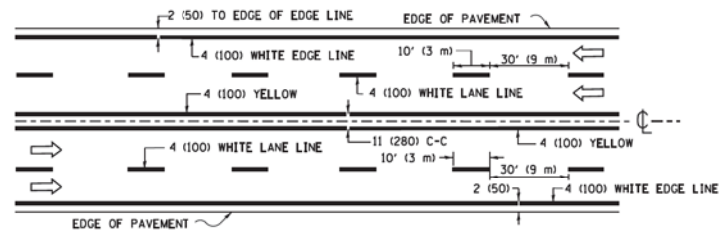
- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED CORE.

FILE NAME = e:\pwwork\pki\DOT\LEYSA\0108315\1212.dwg	USER NAME = leysa	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - J.A.F. 02-06		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	TC-12		CONTRACT NO.
	PLOT DATE = 1/22/2010	DATE - 01-90	REVISED - S.P.B. 01-07						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
			REVISED - S.P.B. 01-10								

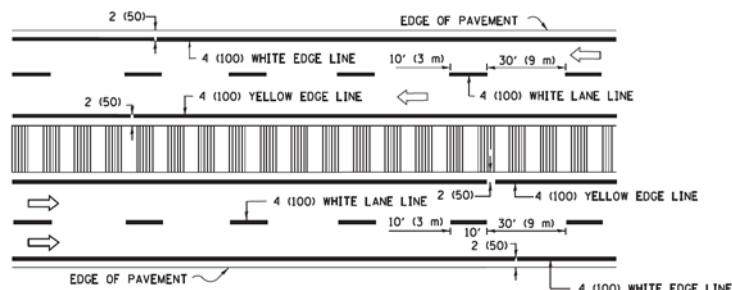
FILE NAME = #FILE#	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: N/A	SHEET 11 OF 19 SHEETS	STA. N/A	TO STA. N/A	345		CONTRACT NO. 60V57
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -						7K-1(12)		CONTRACT NO. 60V57
									COOK		CONTRACT NO. 60V57



2-LANE ROADWAY

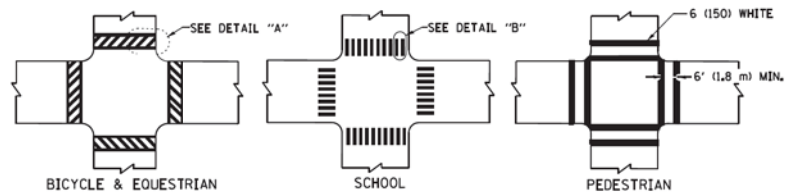


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

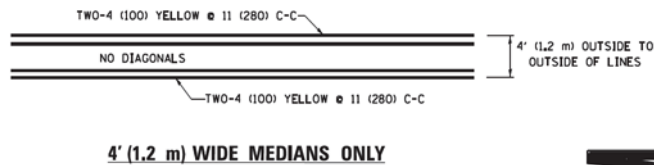


DETAIL "A"

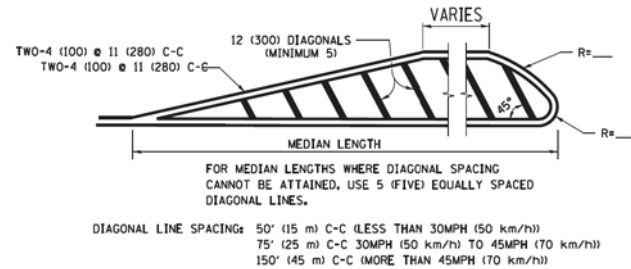
DETAIL "B"

TYPICAL CROSSWALK MARKING

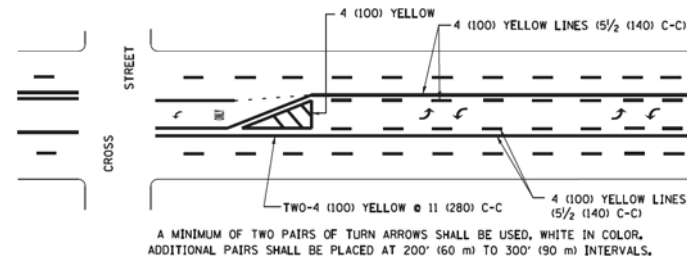
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

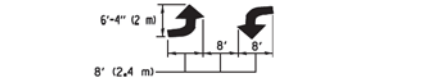


MEDIANS OVER 4' (1.2 m) WIDE



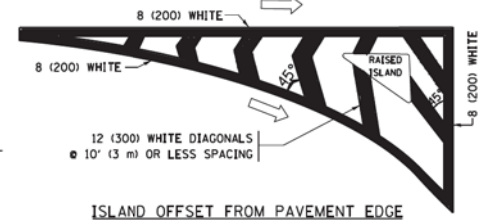
MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

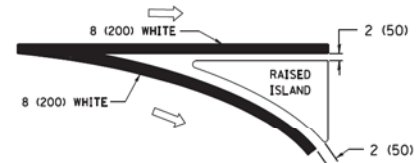


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

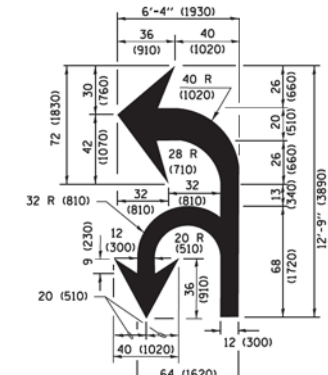


ISLAND OFFSET FROM PAVEMENT EDGE

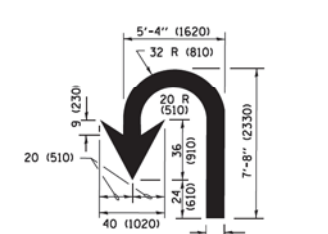


ISLAND AT PAVEMENT EDGE

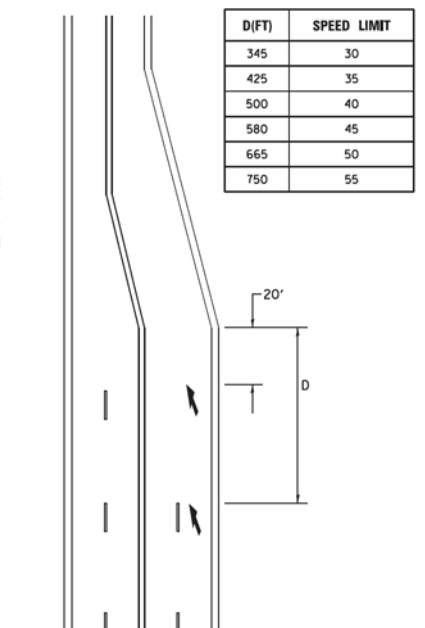
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\ill884EBID\TEG\Illinois.gov\WIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRM\CADData\CADsheets\1c13.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 58.000' / 1" = 1/4"	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

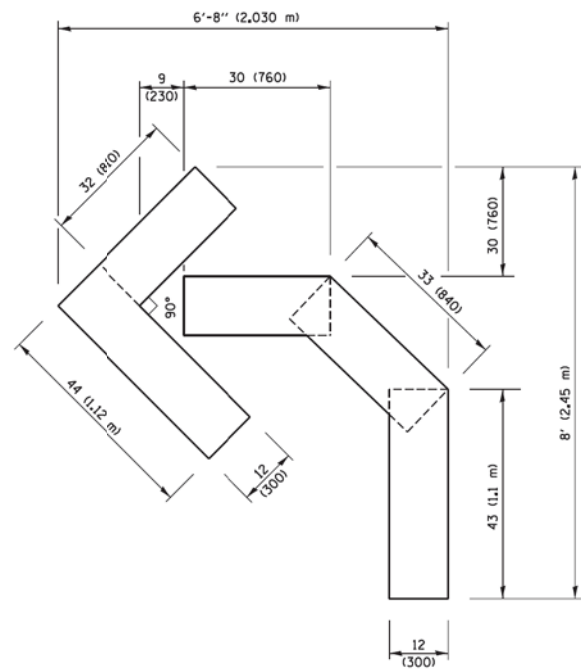
DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS						
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO.		
				ILLINOIS FED. AID PROJECT		

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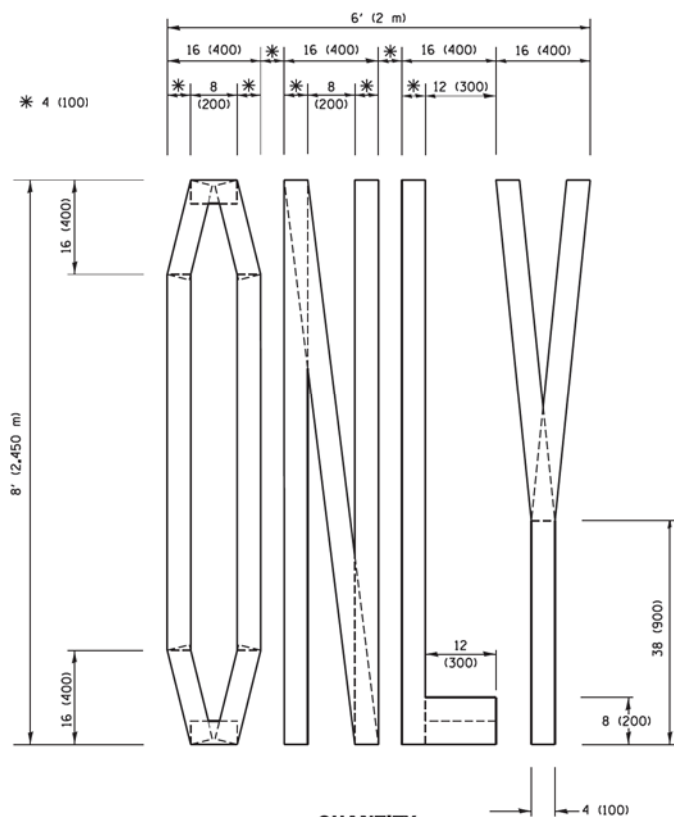
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTRICT 1 STANDARD DRAWINGS						
SCALE: N/A	SHEET 12 OF 19 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 60V57		
				ILLINOIS FED. AID PROJECT		

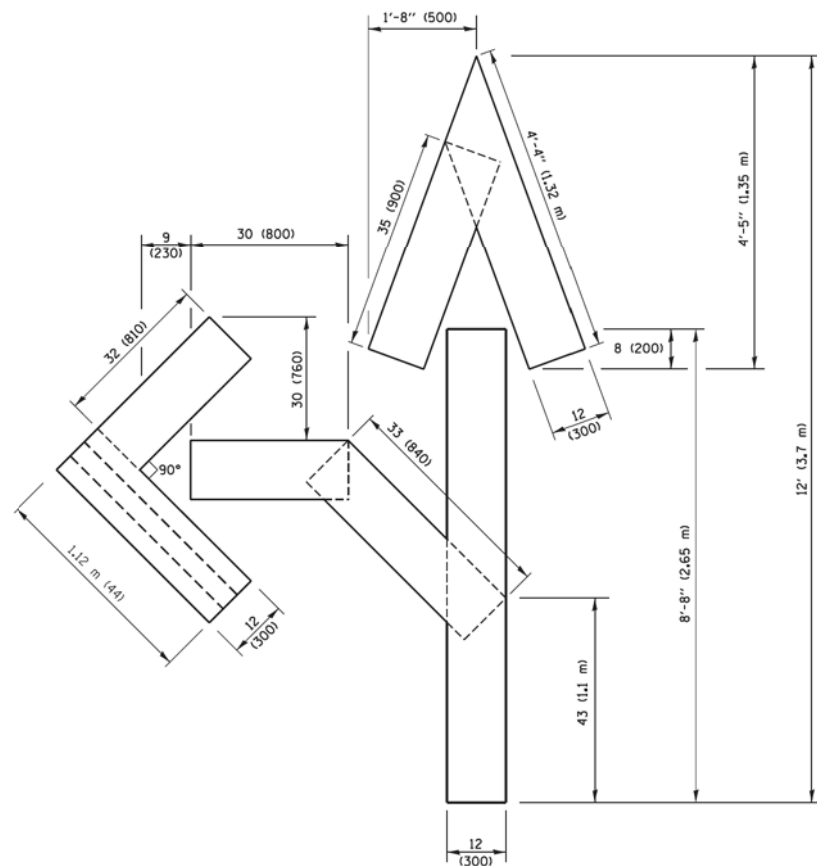
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	322
CONTRACT NO. 60V57				
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

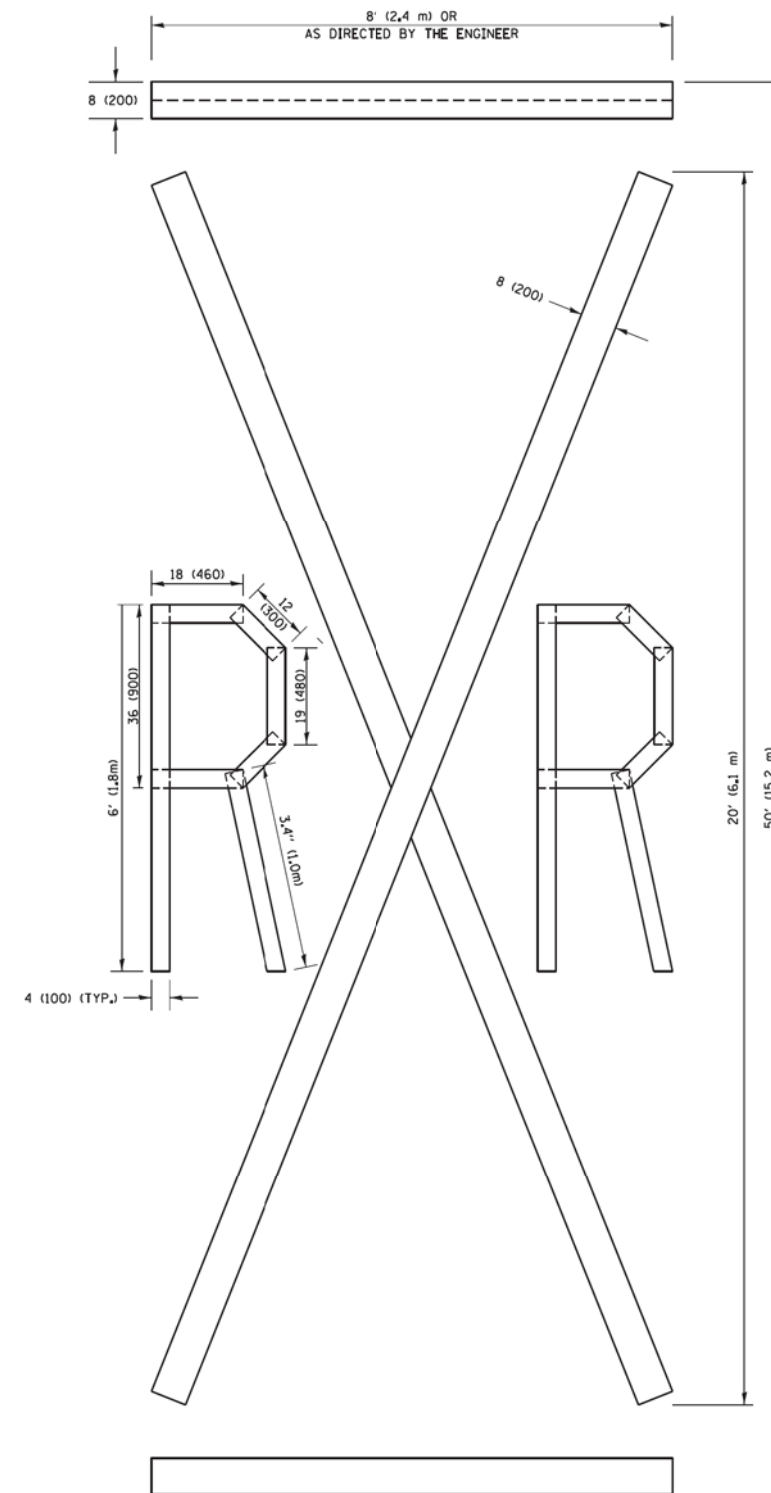


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T, RAMMACHER 03-02-98
p:\1\094EBID\INTEG\Illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\CAD\CADData\CADsheets\tc16.dgn		CHECKED -	REVISED -E, GOMEZ 08-28-00
	PLOT SCALE = 50.0000' / in.	DATE - 09-18-94	REVISED -E, GOMEZ 08-28-00
	PLOT DATE = 9/15/2016		REVISED -A, SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16			
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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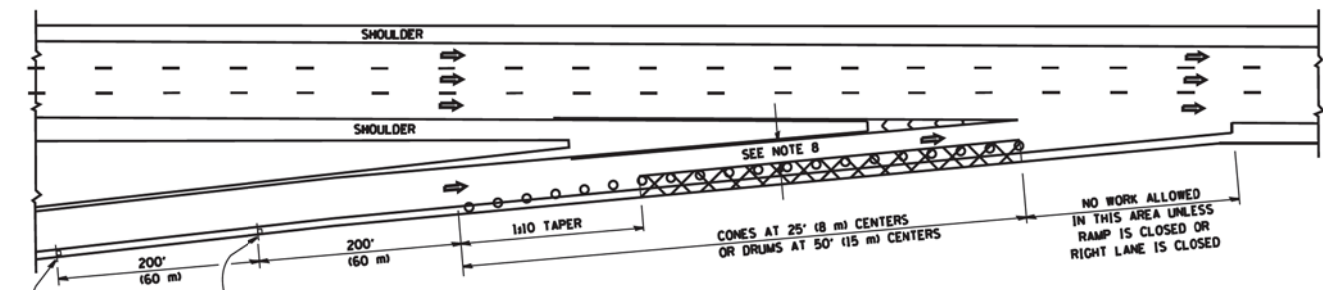
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET)
 DISTRICT 1 STANDARD DRAWINGS**

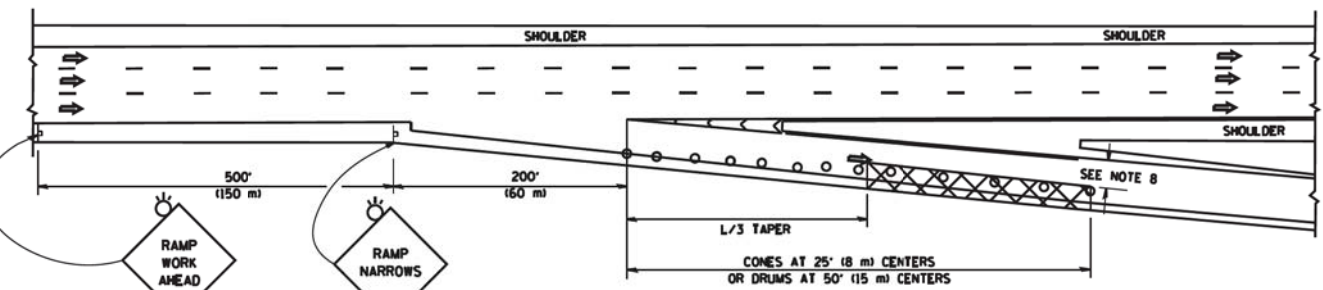
SCALE: N/A SHEET 13 OF 19 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	323
CONTRACT NO. 60V57				
ILLINOIS FED. AID PROJECT				

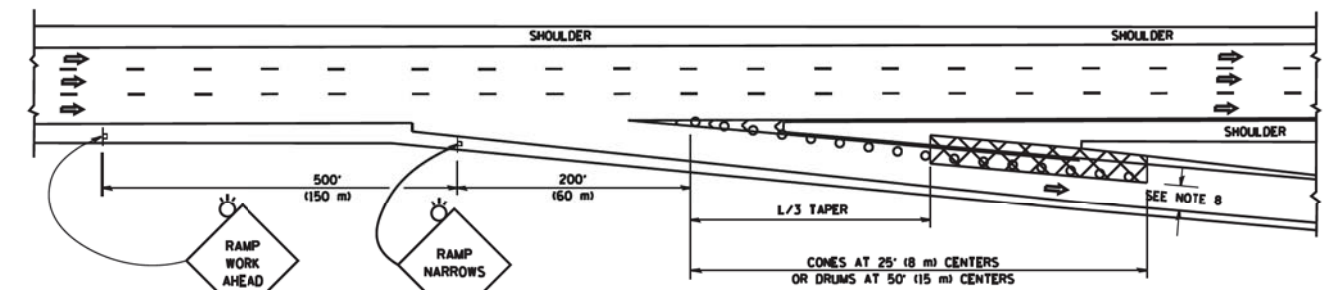
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

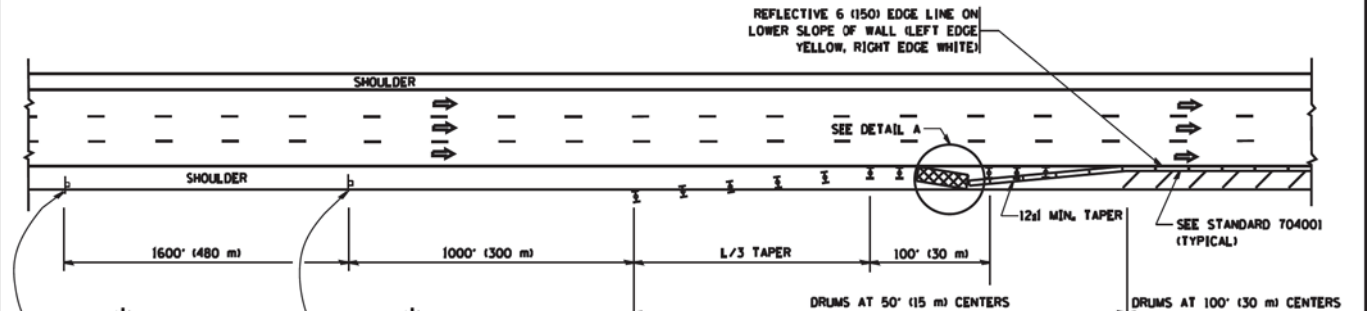
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

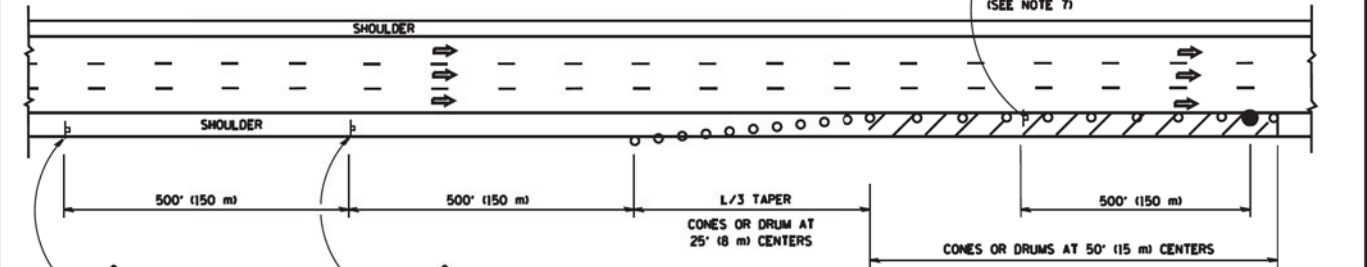
SPEED LIMIT	METRIC	ENGLISH
45 mph (80 km/h) OR GREATER	$L = 0.65(W/S)$	$L = (W/S)$

 - W = WIDTH OF OFFSET IN FEET (METERS)
 - S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH IN AN AREA CLOSER THAN 15' (4.6 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

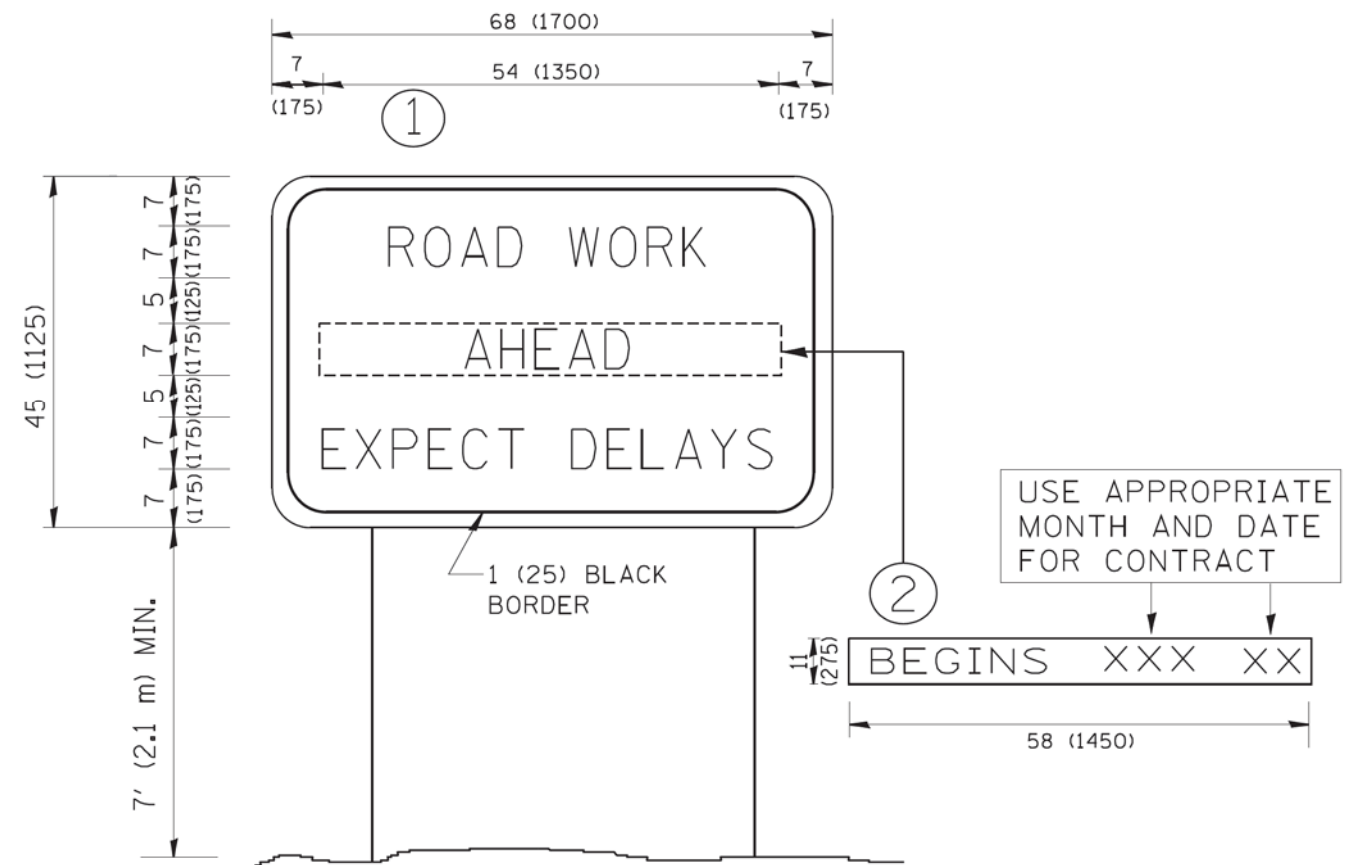
DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRDACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

FILE NAME: tc17.dgn 4/17/2014 8:48:55 AM User=leyna	USER NAME: leyna	DESIGNED: J.A.F. 12-06	REVISED: J.A.F. 12-06
DRAWN: D.W.S.	CHECKED: S.P.B. 01-07	REVISED: S.P.B. 01-07	REVISED: S.P.B. 12-09
DATE: 11-96	REVISED: M.D. 06-13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
PLOT SCALE: 100.0000' / 1" = 100'		TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	
PLOT DATE: 4/17/2014		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	
		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	

FILE NAME: #FILEL#	USER NAME: default	DESIGNED: -	REVISED: -
MODELNAME#	DESIGNED: -	DRAWN: -	REVISED: -
	CHECKED: -	DATE: 8/23/2017	REVISED: -
	DATE: 8/23/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
		IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS	
		SCALE: N/A SHEET 14 OF 19 SHEETS STA. N/A TO STA. N/A	
		F.A.P. RTE.:	SECTION: 7K-1(12)
		COUNTY: COOK	TOTAL SHEETS: 384
			SHEET NO.: 324
		CONTRACT NO. 60V57	
		ILLINOIS FED. AID PROJECT	



NOTES:

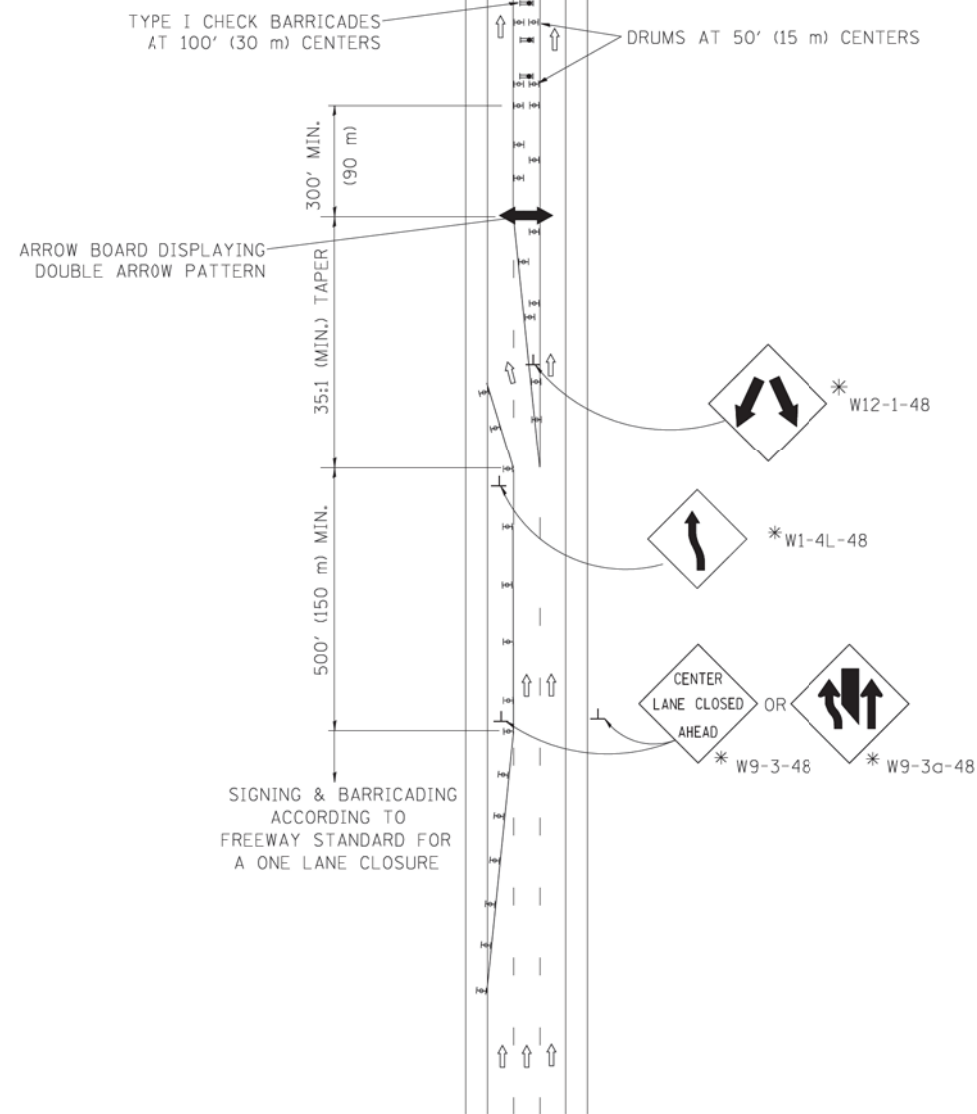
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

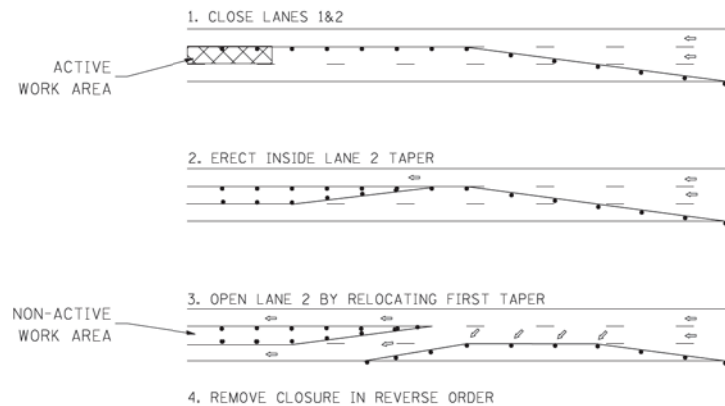
FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = gogianobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22	CONTRACT NO.		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07						FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		

FILE NAME = *FILEL*	USER NAME = default	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -		SCALE: N/A	SHEET 15 OF 19 SHEETS	STA. N/A	TO STA. N/A	345	7K-1(12)	COOK	384 325
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -								ILLINOIS FED. AID PROJECT	CONTRACT NO. 60V57

CENTER LANE CLOSURE



INSTALLATION SEQUENCE

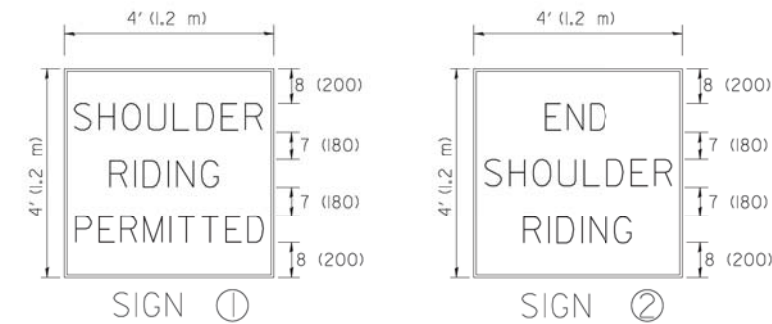
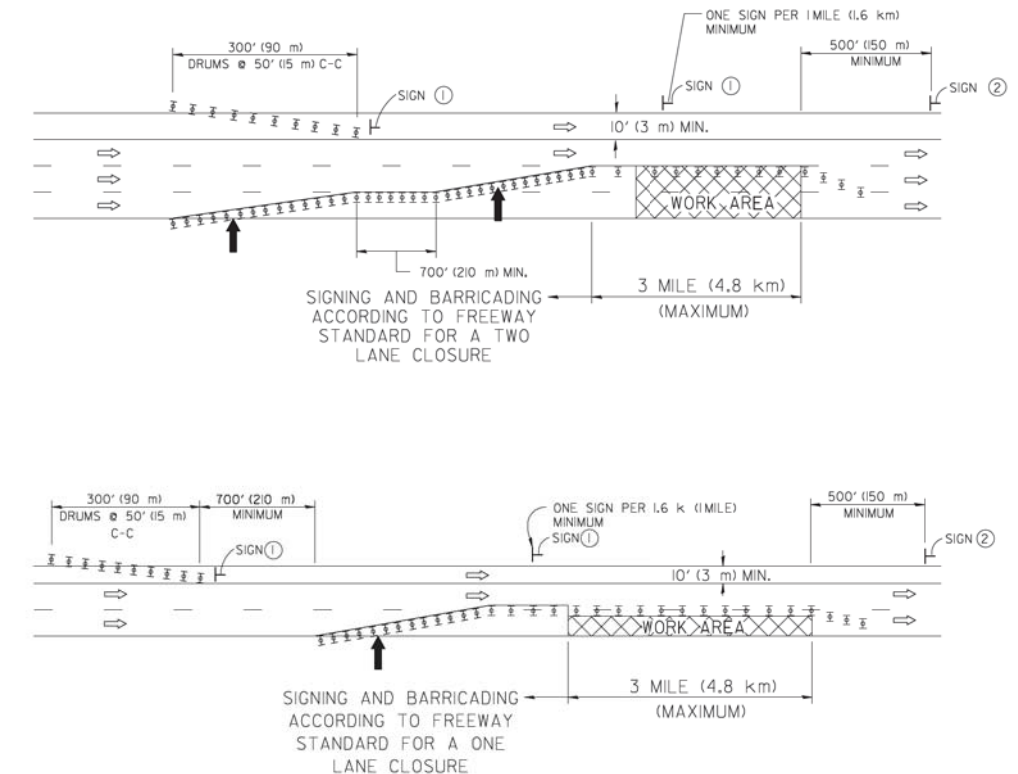


NOTES

- DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
- CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
- CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
(25) BORDER

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➔ ARROWBOARD
- ▣ ACTIVE WORK AREA
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT *
- ⊥ TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

FILE NAME = W:\d\stata\22x34\to25.dgn	USER NAME = leyso	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
CENTER LANE CLOSURE SHOULDER LANE

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				TC-25			
							CONTRACT NO.
							FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

FILE NAME = #FILEL#	USER NAME = default	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET)
DISTRICT 1 STANDARD DRAWINGS

SCALE: N/A	SHEET 16 OF 19 SHEETS	STA. N/A TO STA. N/A	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				345	7K-1(12)		
					COOK		
							CONTRACT NO. 60V57
							ILLINOIS FED. AID PROJECT



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

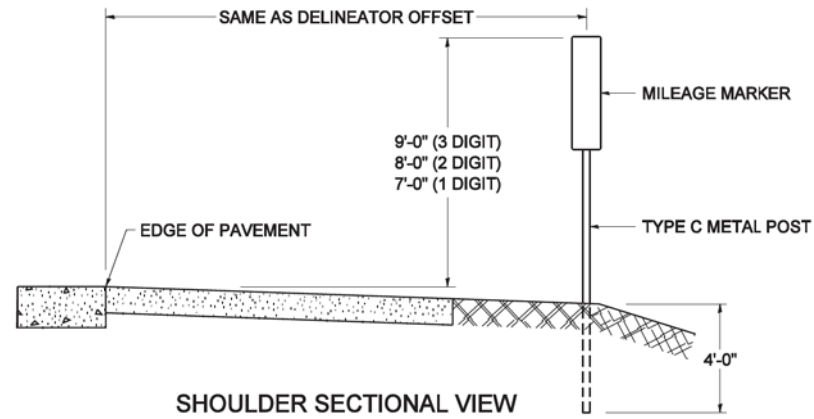
NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

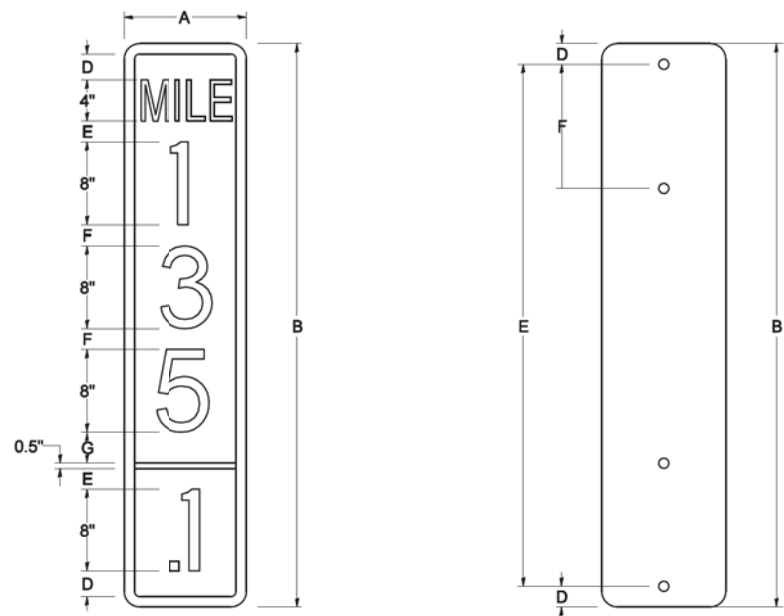
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PLOT SCALE = 50,000 ' / 1" =	CHECKED -	REVISED -	REVISED -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-26		CONTRACT NO.	
PLOT DATE = 12/13/2012	DATE -	REVISED -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

FILE NAME = \$FILEL\$	USER NAME = default	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) DISTRICT 1 STANDARD DRAWINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\$MODELNAME\$	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -		SCALE: N/A	SHEET 17 OF 19 SHEETS	STA. N/A	TO STA. N/A	345	7K-1(12)	COOK	384 327
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		ILLINOIS FED. AID PROJECT							
					CONTRACT NO. 60V57							

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW

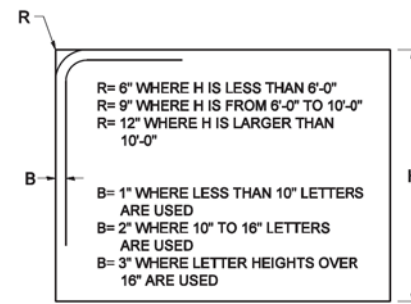


SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	DIGIT
12 x 24	12.0	24.0	1.5	1.5	1.5	N/A	1.5	1
12 x 36	12.0	36.0	1.5	2.0	2.0	2.0	1.5	2
12 x 48	12.0	48.0	1.5	2.5	2.0	2.0	2.5	3

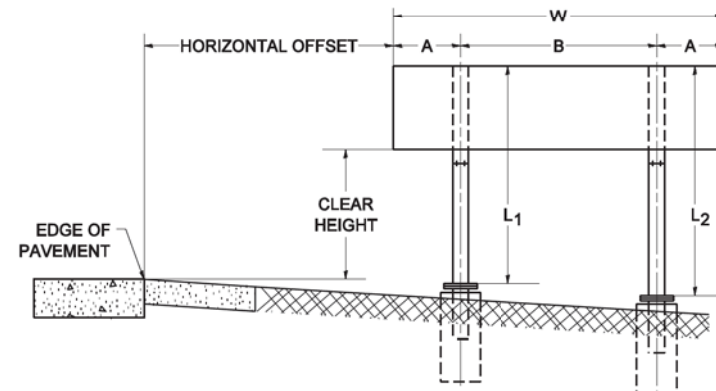
BLANK	A	B	C	D	E	F
B9-1224	12.0	24.0	1.5	2.0	20.0	N/A
B9-1236	12.0	36.0	1.5	2.0	32.0	12.0
B9-1248	12.0	48.0	1.5	2.0	44.0	12.0

SIGN SIZE	SERIES					BLANK STD.	
	LINES						
	1	2	3	4	5		
12 x 24	4C	8D	4C	N/A	N/A	0.5	B9-1224
12 x 36	4C	8D	8D	4C	N/A	0.5	B9-1236
12 x 48	4C	8D	8D	8D	4C	0.5	B9-1248

BORDER AND RADIUS LAYOUT



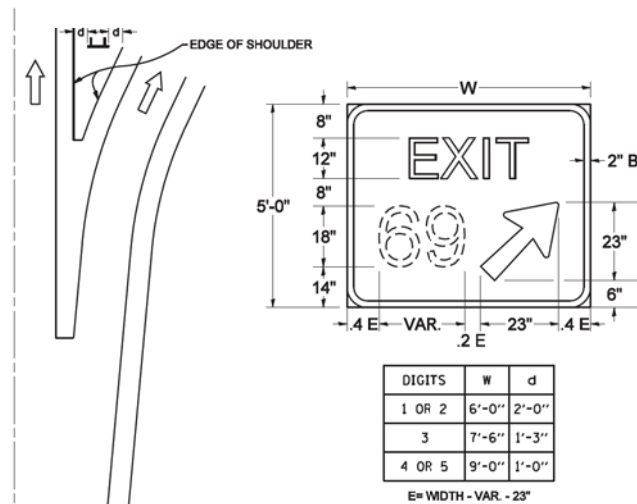
MAJOR GUIDE SIGN LAYOUT



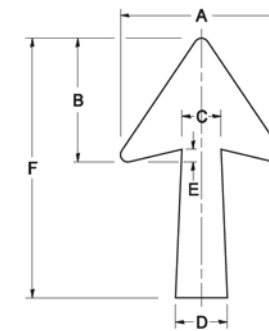
NUMBER OF STEEL SUPPORTS	A	B
2	.2 W	.6 W
3	.15 W	.35 W
4	.125 W	.25 W
5	.1 W	.2 W

"L₁" IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT.
 "A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS.

GORE SIGNS

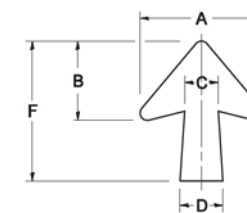


STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



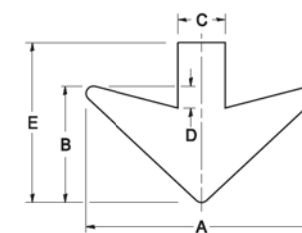
ARROW SYMBOL	A	B	C	D	E	F	R
24 1/4 x 15 5/8	19 5/8	11 3/8	3 3/4	5	1 3/8	24 1/4	5/8
29 1/4 x 18 1/4	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
35 5/8 x 22 1/4	22 1/4	17	5 5/8	7 1/8	1 3/4	35 5/8	1
18 1/4 x 11 1/4	11 1/4	8 3/4	3 3/8	3 3/8		18 1/4	

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS



ARROW SYMBOL	A	B	C	D	E	F	R
17 1/4 x 14 1/4	14 1/4	9 5/8	3 3/8	4 1/2	5/8	17 1/4	3/4
20 1/4 x 17 1/4	17 1/4	11 3/4	4 3/8	5 5/8	1 1/2	20 1/4	
25 x 21 3/8	21 3/8	14 1/4	5	6 3/4	1 3/4	25	1
9 5/8 x 8 5/8	8 5/8	5 5/8	2 5/8	2 5/8		9 5/8	1/2

DOWN ARROWS



ARROW SYMBOL	A	B	C	D	E	R
16 1/2 x 24	24	12	5	1 1/2	16 1/2	3/4
22 x 32	32	16	6 1/2	3	22	1

FILE NAME = tc27.dgn	USER NAME = goglianobt	DESIGNED -	REVISED - 02-04-2009
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED -
	PLOT DATE = 2/4/2009	DATE - 03-08-1984	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MILE POST MARKERS - GORE SIGNS
MAJOR GUIDE SIGN LAYOUT - ARROWS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-27 (TS-2341-1)			
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = #FILEL#	USER NAME = default	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -

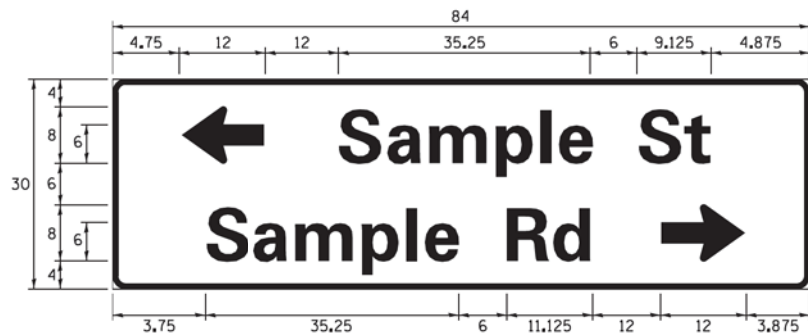
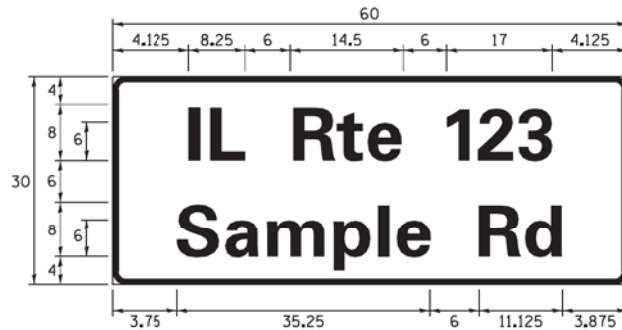
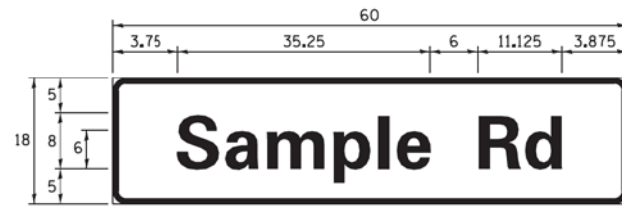
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET)
DISTRICT 1 STANDARD DRAWINGS

SCALE: N/A SHEET 18 OF 19 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	328
CONTRACT NO. 60V57				
ILLINOIS FED. AID PROJECT				

SIGN PANEL - TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED, IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

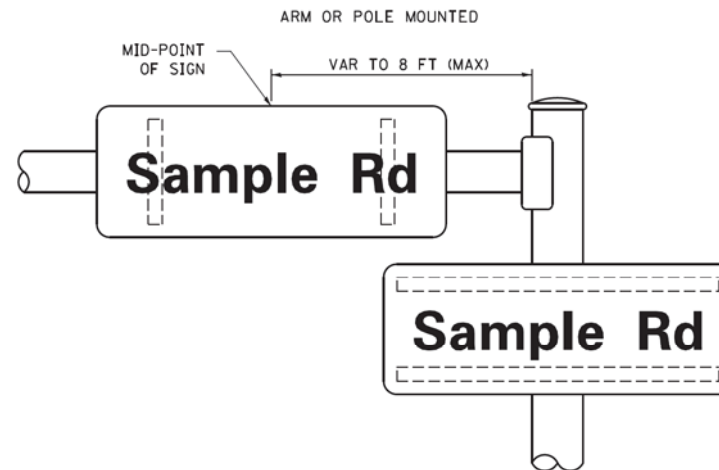
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA
- WESTERN REMAC, INC. WOODRIDGE, IL

PARTS LISTING:

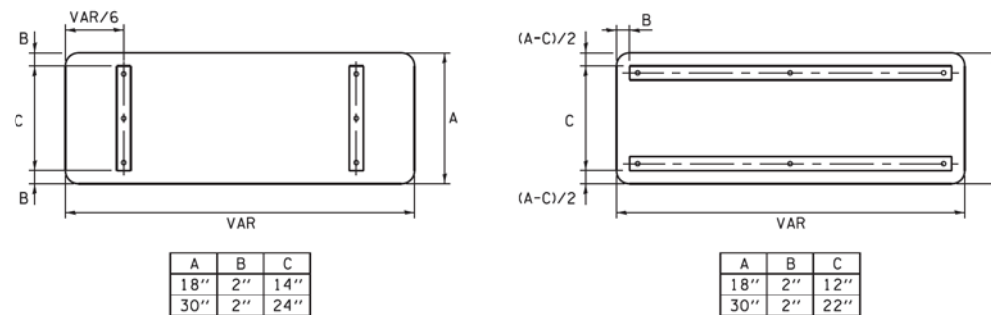
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER PART #HPN034 (UNIVERSAL)
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS

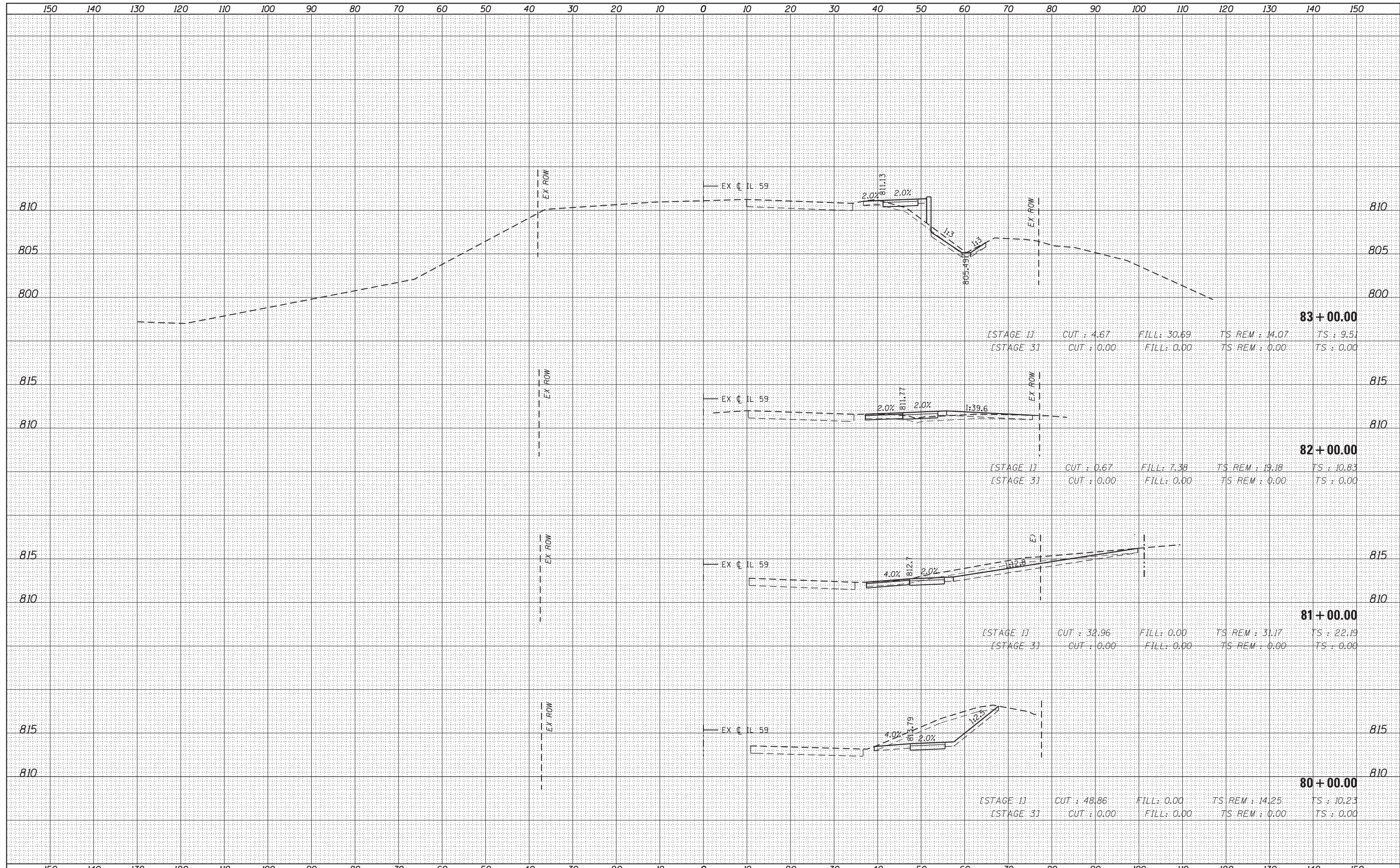


STANDARD ALPHABETS SPACING CHART
(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

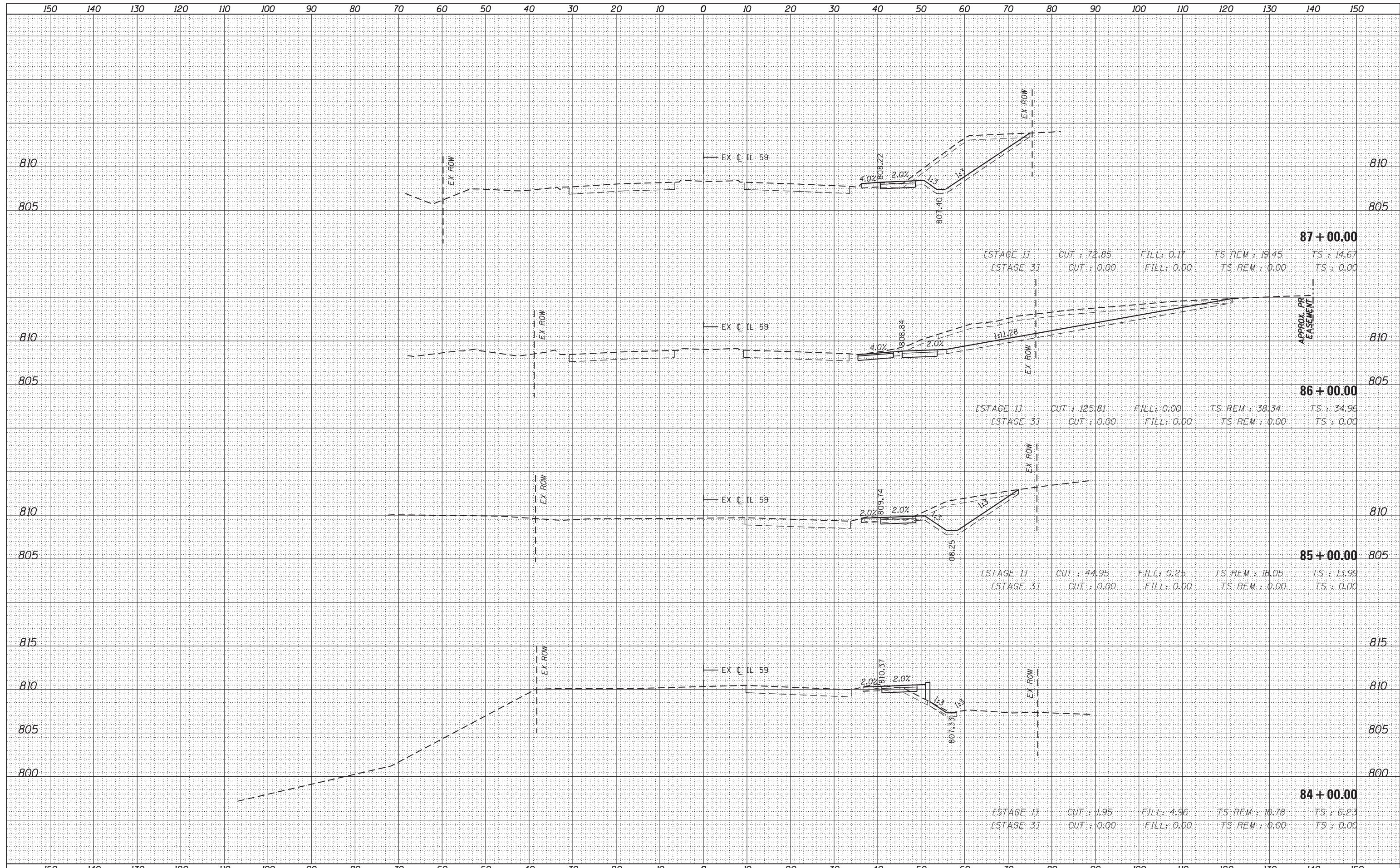
DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



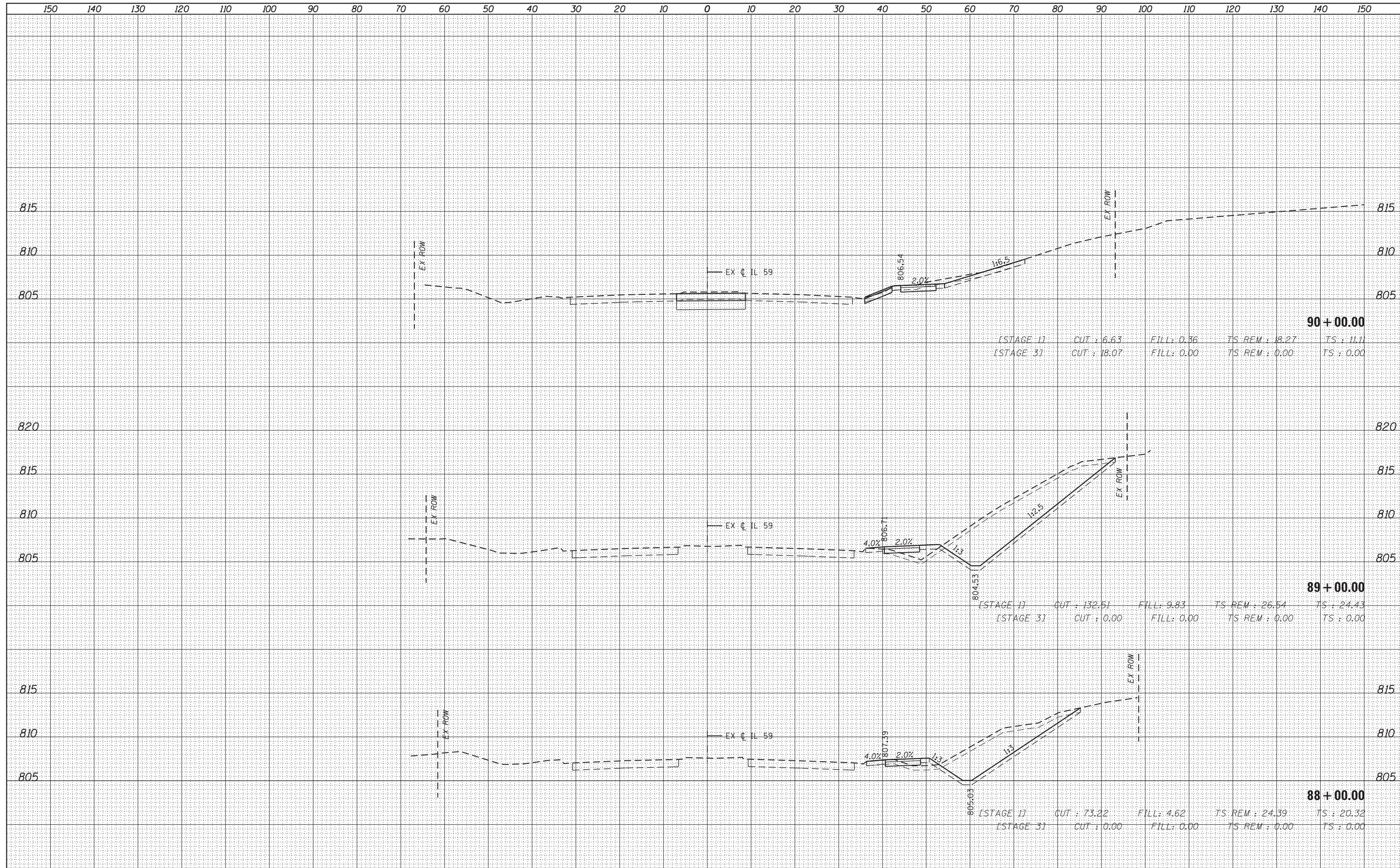
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BY	
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BY	
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TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	



DATE
BY
SURVEYED
PLOTTED
NOTE BOOK
AREAS CHECKED

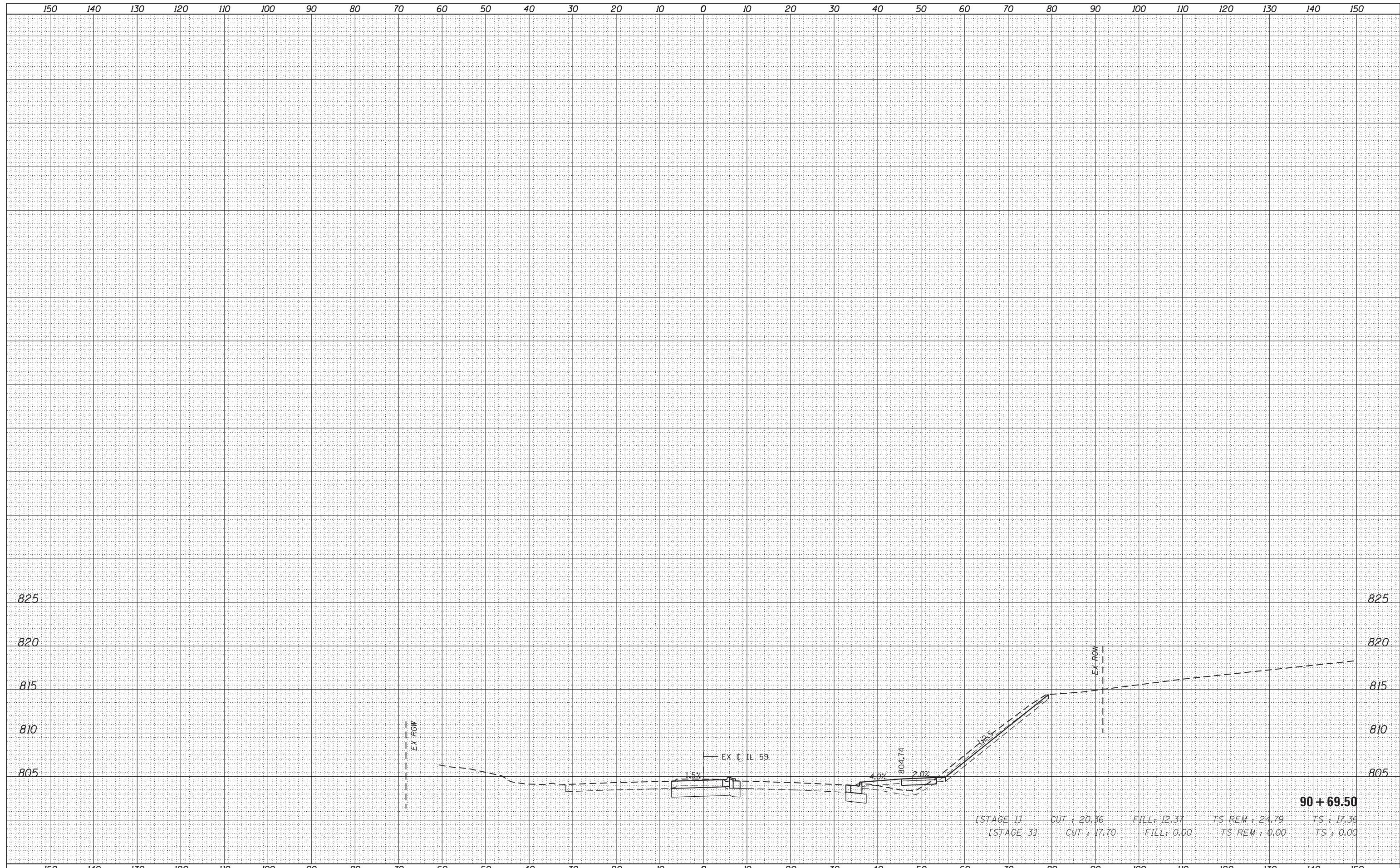
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - IL RTE 59</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	332	
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57					
MODELNAME	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		ILLINOIS FED. AID PROJECT					
				SCALE: H: 1" = 10'	SHEET 3	OF 16 SHEETS	STA. 88+00.00	TO STA. 90+00.00		

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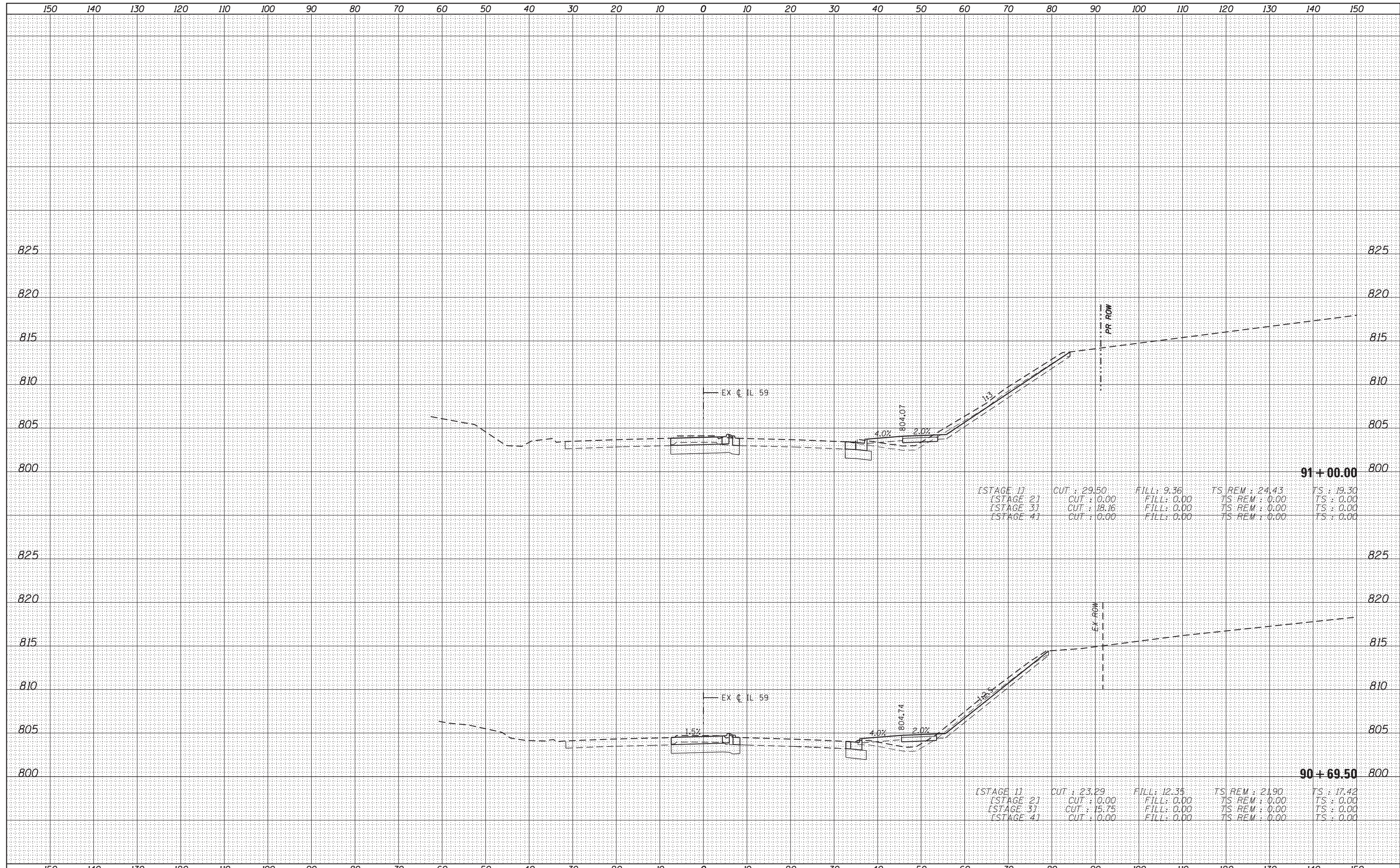
90 + 69.50

[STAGE 1]	CUT : 20.56	FILL : 12.37	TS REM : 24.79	TS : 17.36
[STAGE 3]	CUT : 17.70	FILL : 0.00	TS REM : 0.00	TS : 0.00

FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - IL RTE 59			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	333			
MODELNAME		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
		DATE - 8/23/2017	REVISED -		SCALE: H : 1" = 10'	SHEET 4 OF 16 SHEETS	STA. 90+69.50 TO STA. 90+69.50	ILLINOIS FED. AID PROJECT				

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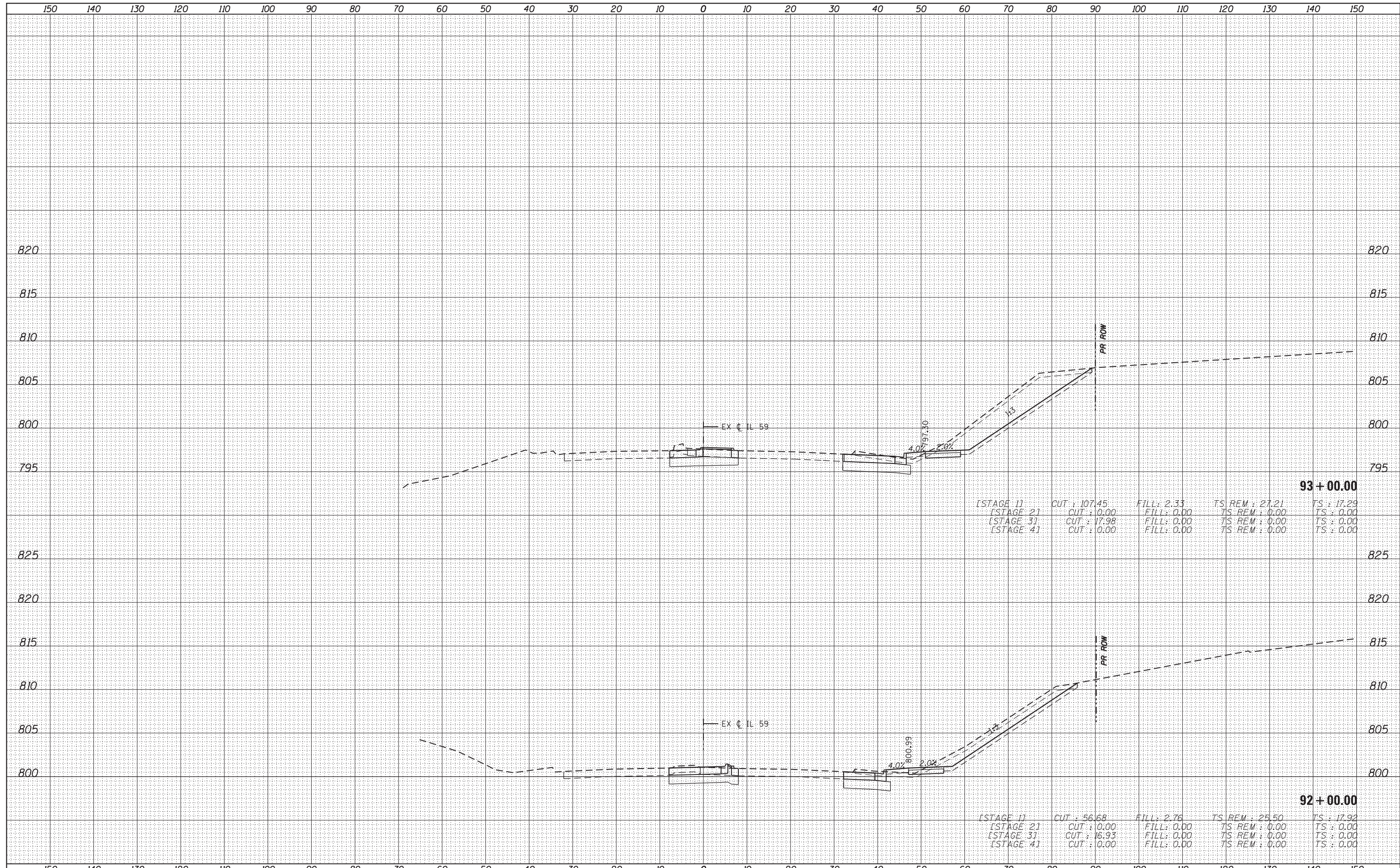


[STAGE 1]	CUT : 29.50	FILL : 9.36	TS REM : 24.43	TS : 19.30
[STAGE 2]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 3]	CUT : 18.16	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

[STAGE 1]	CUT : 23.29	FILL : 12.35	TS REM : 21.90	TS : 17.42
[STAGE 2]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 3]	CUT : 15.75	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

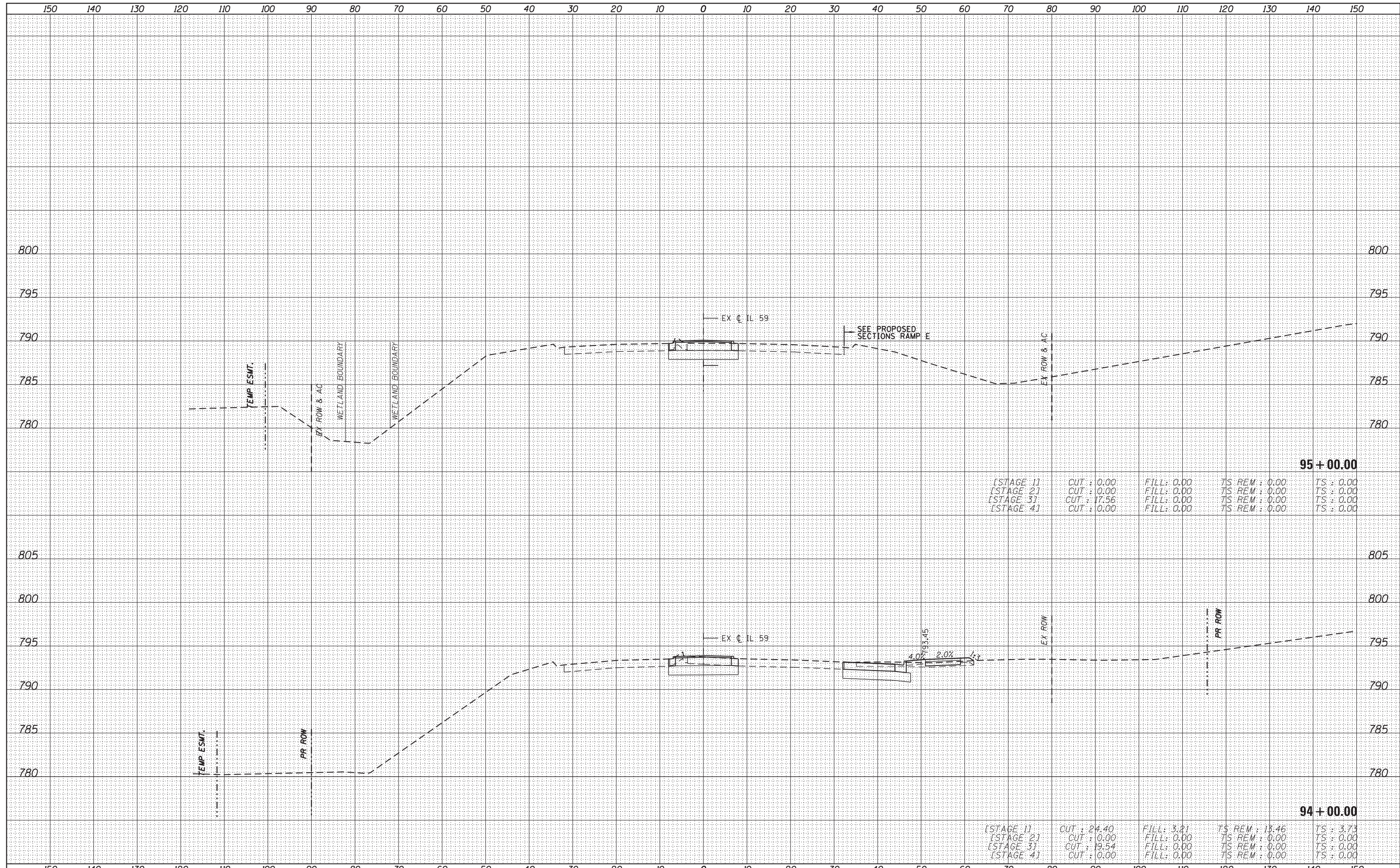
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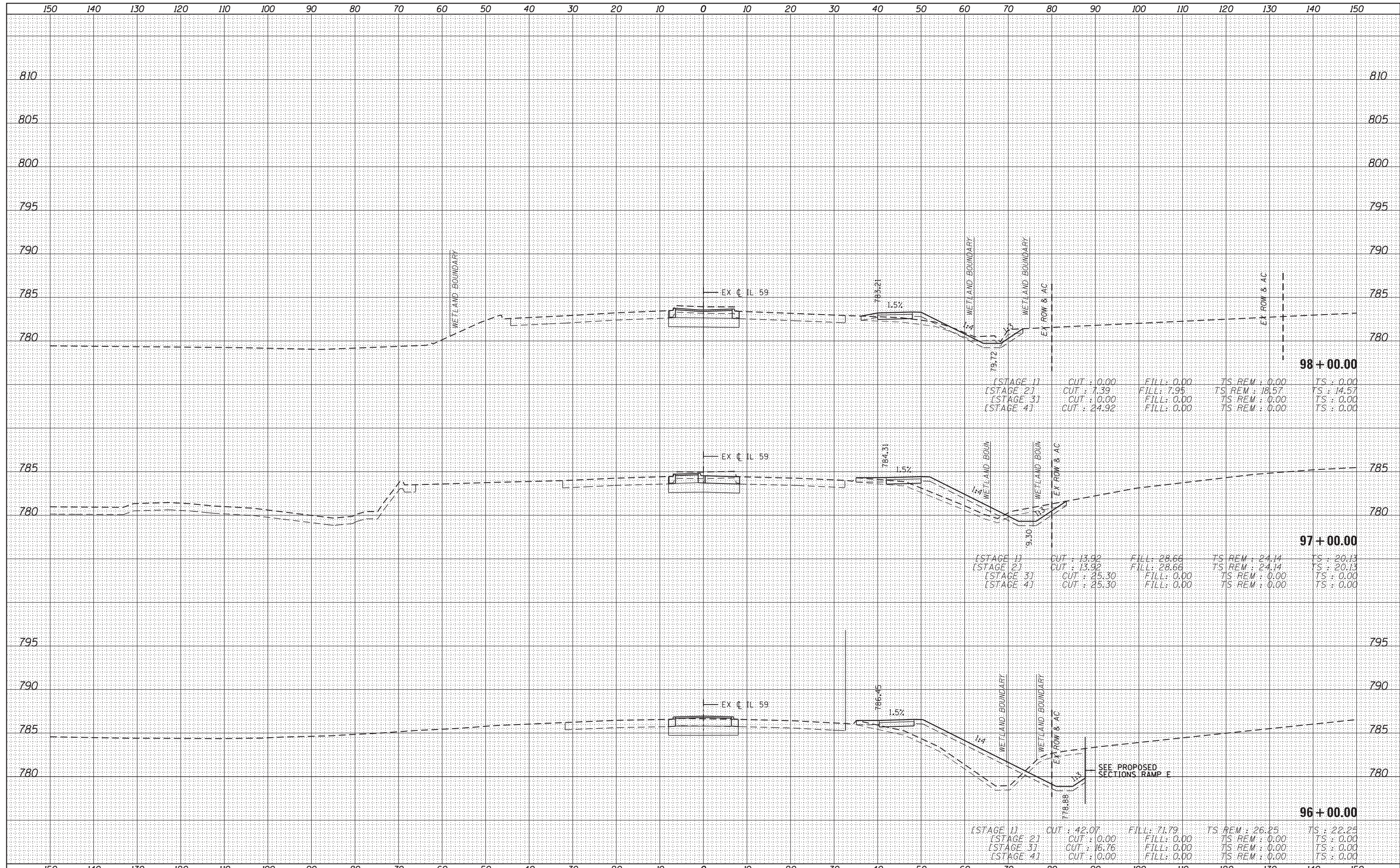


[STAGE 1]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 2]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 3]	CUT : 17.56	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

[STAGE 1]	CUT : 24.40	FILL : 3.21	TS REM : 13.46	TS : 3.73
[STAGE 2]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 3]	CUT : 19.54	FILL : 0.00	TS REM : 0.00	TS : 0.00
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

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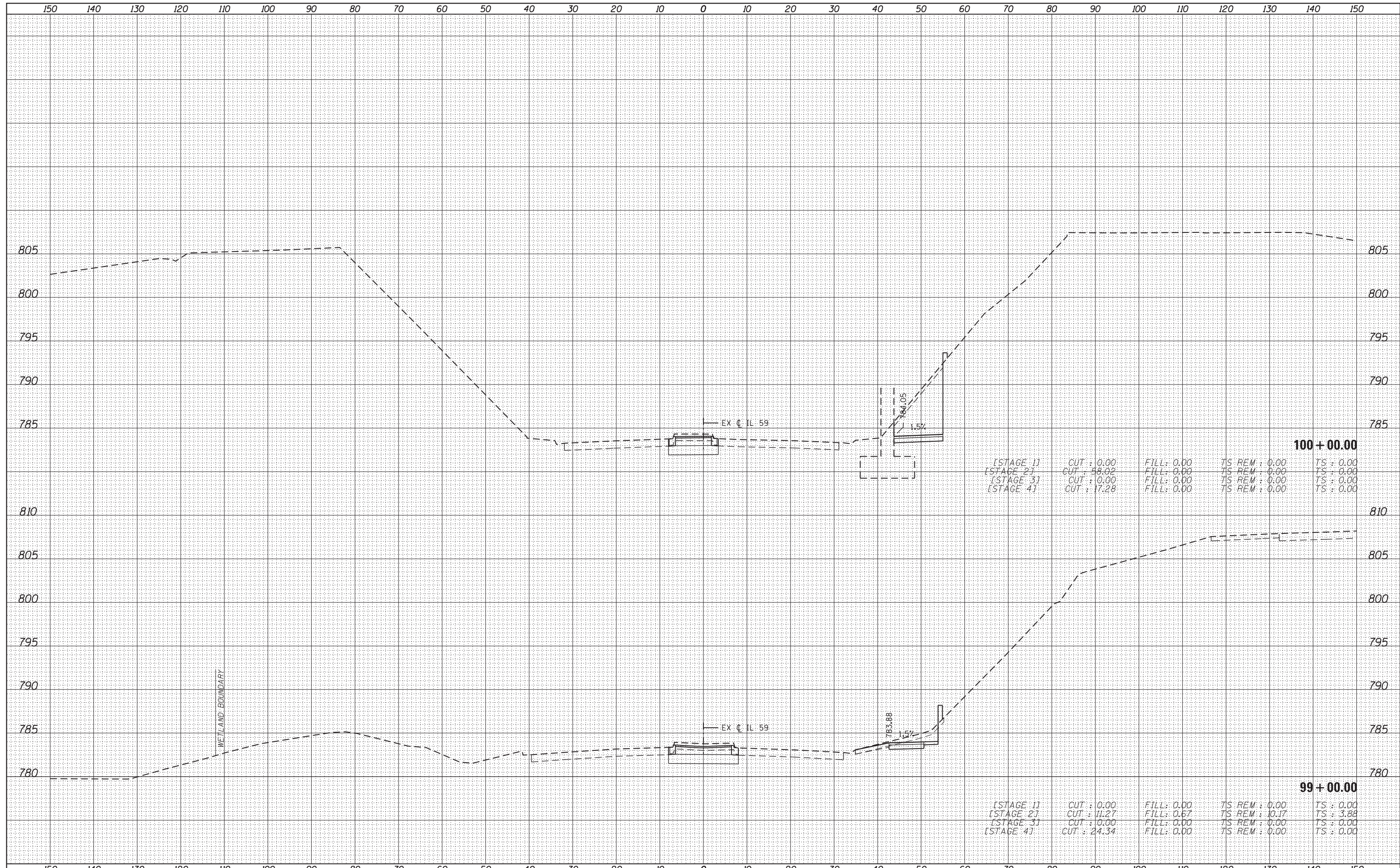


FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - IL RTE 59	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	337	
*MODELNAME#		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
		DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1/4" = 1' = 10' SHEET 8 OF 16 SHEETS STA. 96+00.00 TO STA. 98+00.00

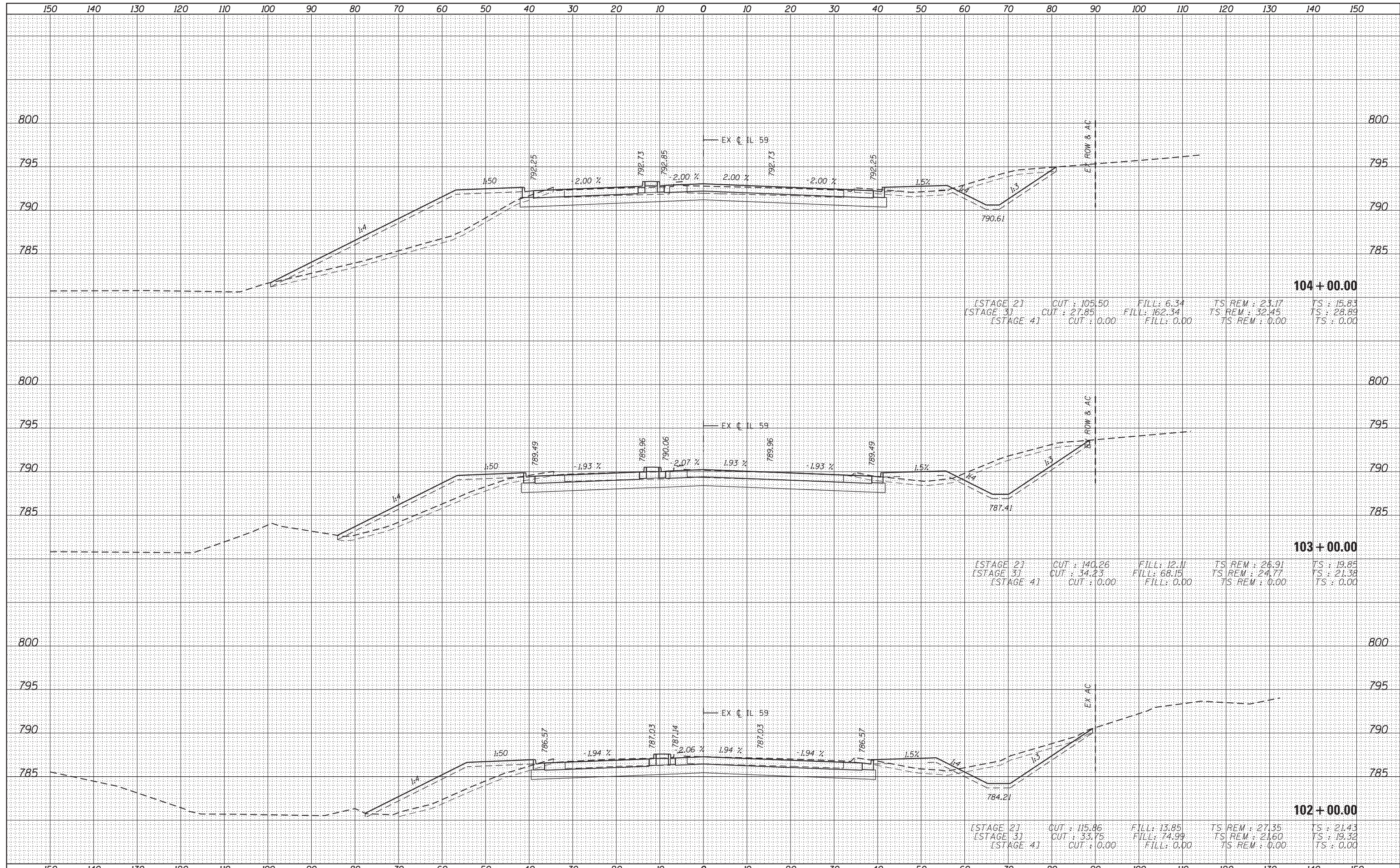
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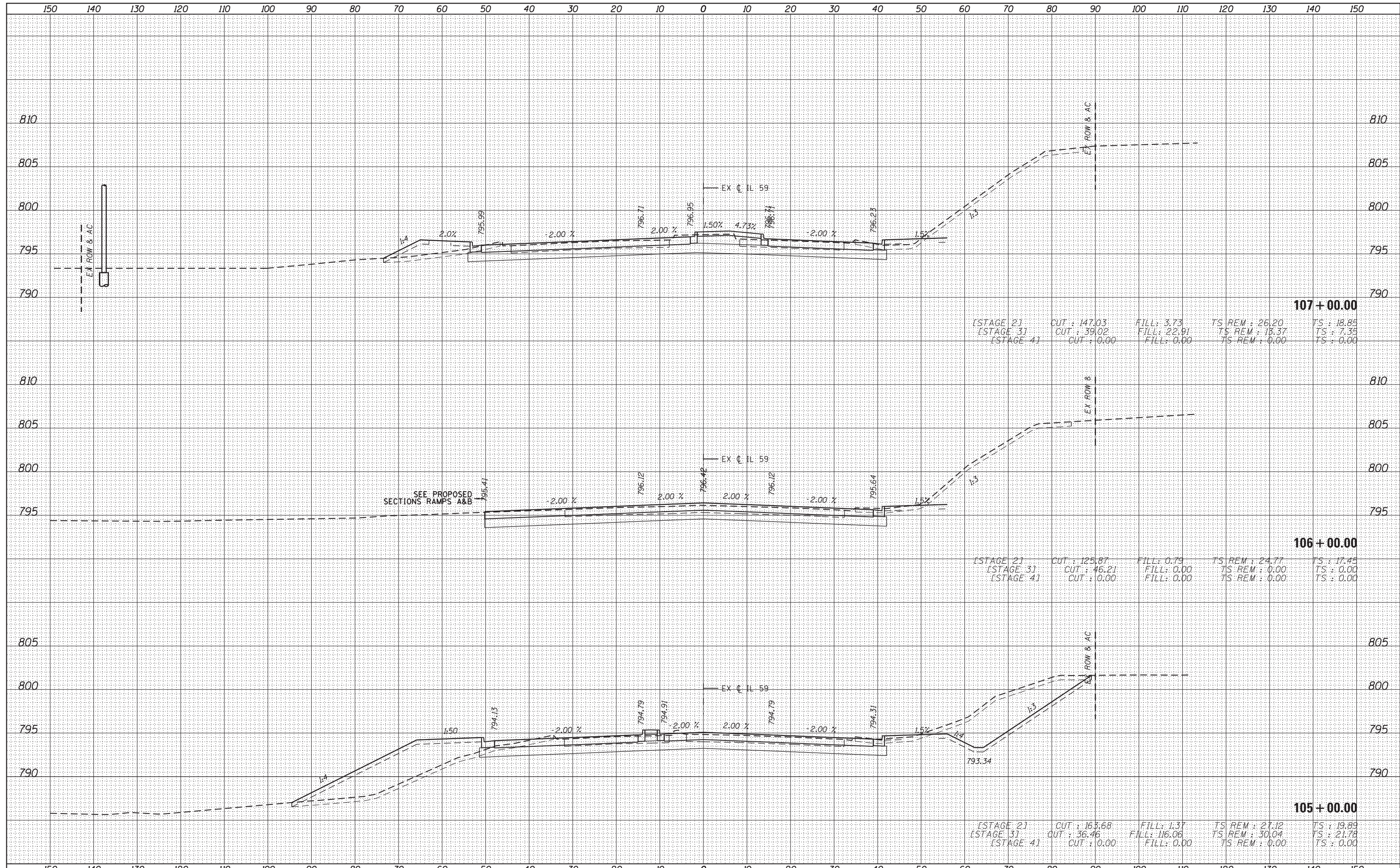
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - IL RTE 59			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISD -		345	7K-1(12)	COOK	384	340			
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISD -		SCALE: $\frac{1}{4}$ " = 1' = $\frac{10}{9}$ ' SHEET 11 OF 16 SHEETS STA. 102+00.00 TO STA. 104+00.00				CONTRACT NO. 60V57			
*MODELNAME#	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISD -		ILLINOIS FED. AID PROJECT							

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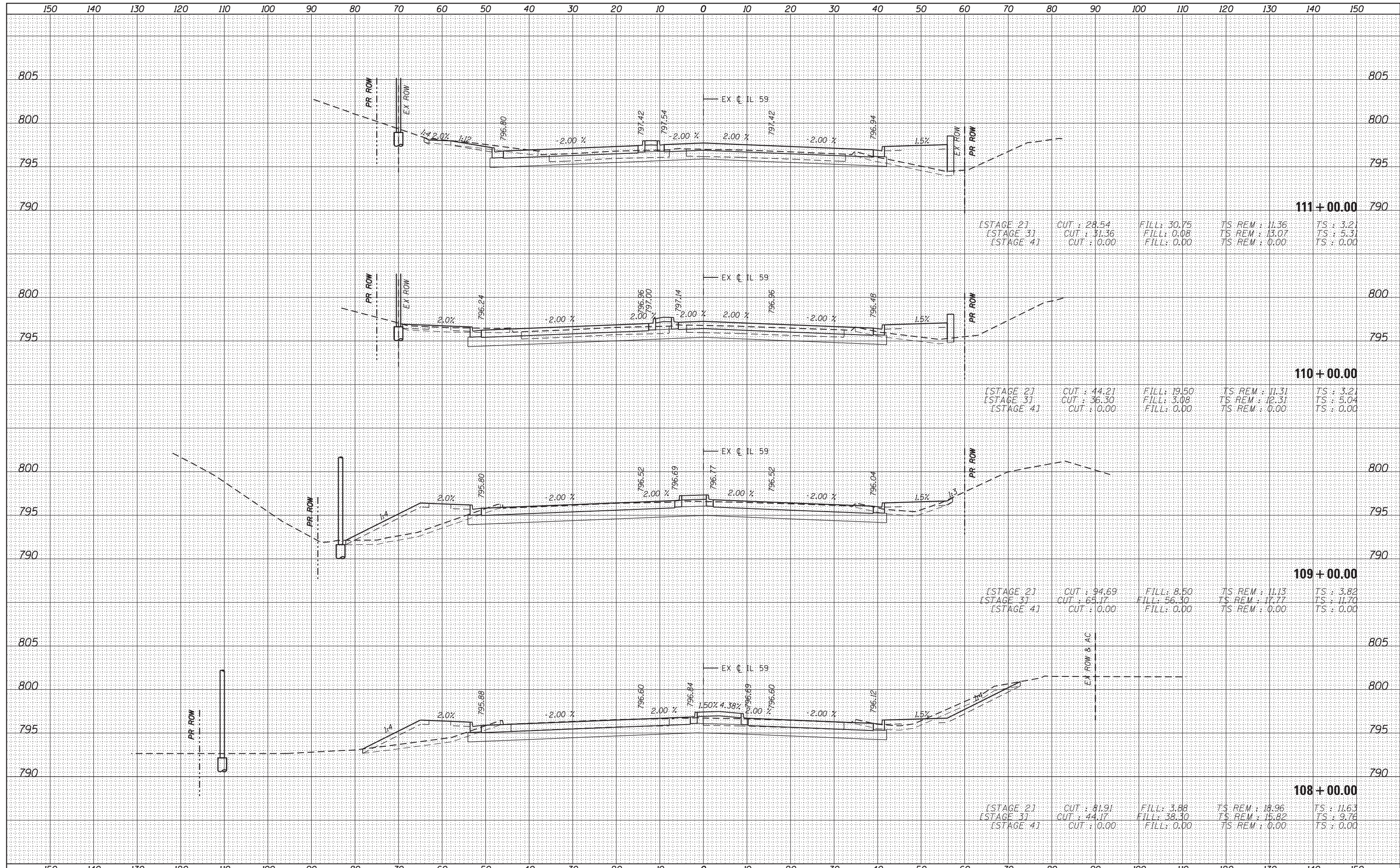
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - IL RTE 59 SCALE: 1/4" = 1' = 10' SHEET 12 OF 16 SHEETS STA. 105+00.00 TO STA. 107+00.00	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	341	
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57 ILLINOIS FED. AID PROJECT					
MODELNAME		DATE - 8/23/2017	REVISED -							

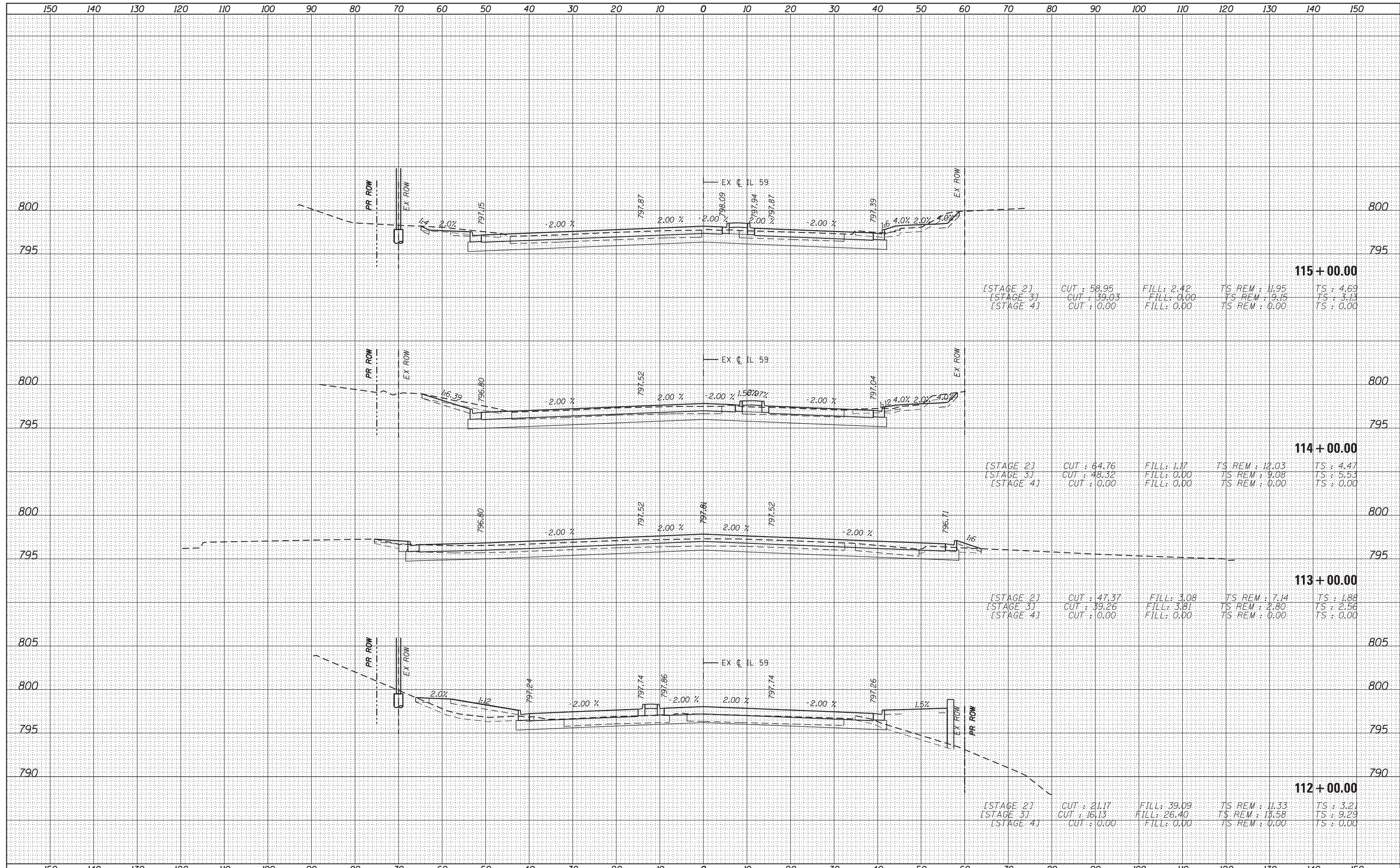
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115 + 00.00				
[STAGE 2]	CUT : 58.95	FILL : 2.42	TS REM : 11.95	TS : 4.69
[STAGE 3]	CUT : 39.03	FILL : 0.00	TS REM : 9.15	TS : 3.13
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

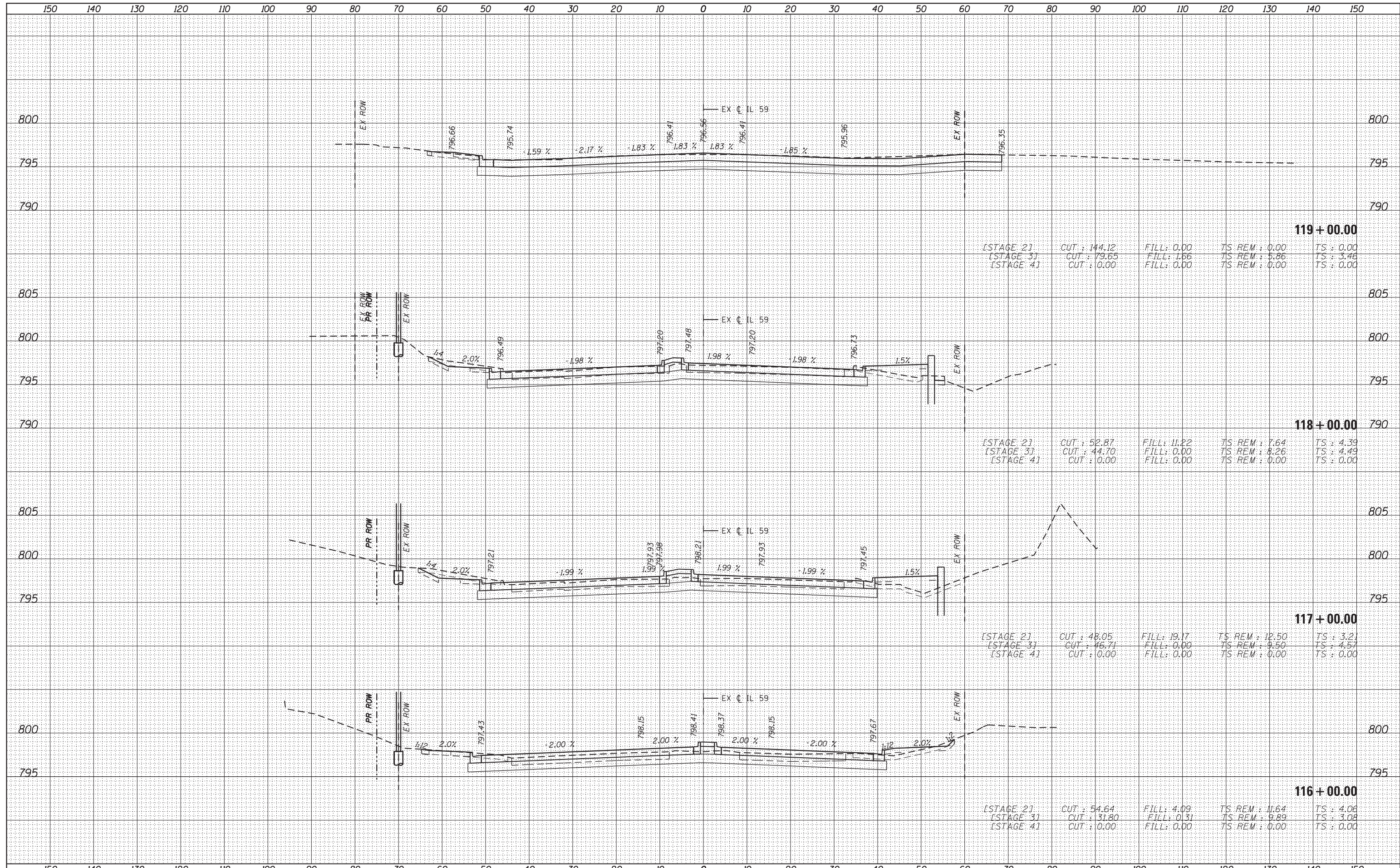
114 + 00.00				
[STAGE 2]	CUT : 64.76	FILL : 1.17	TS REM : 12.03	TS : 4.47
[STAGE 3]	CUT : 48.32	FILL : 0.00	TS REM : 9.08	TS : 5.53
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

113 + 00.00				
[STAGE 2]	CUT : 47.37	FILL : 3.08	TS REM : 7.14	TS : 1.88
[STAGE 3]	CUT : 39.26	FILL : 3.81	TS REM : 2.80	TS : 2.58
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

112 + 00.00				
[STAGE 2]	CUT : 21.17	FILL : 39.09	TS REM : 11.33	TS : 3.21
[STAGE 3]	CUT : 16.13	FILL : 26.40	TS REM : 13.58	TS : 9.29
[STAGE 4]	CUT : 0.00	FILL : 0.00	TS REM : 0.00	TS : 0.00

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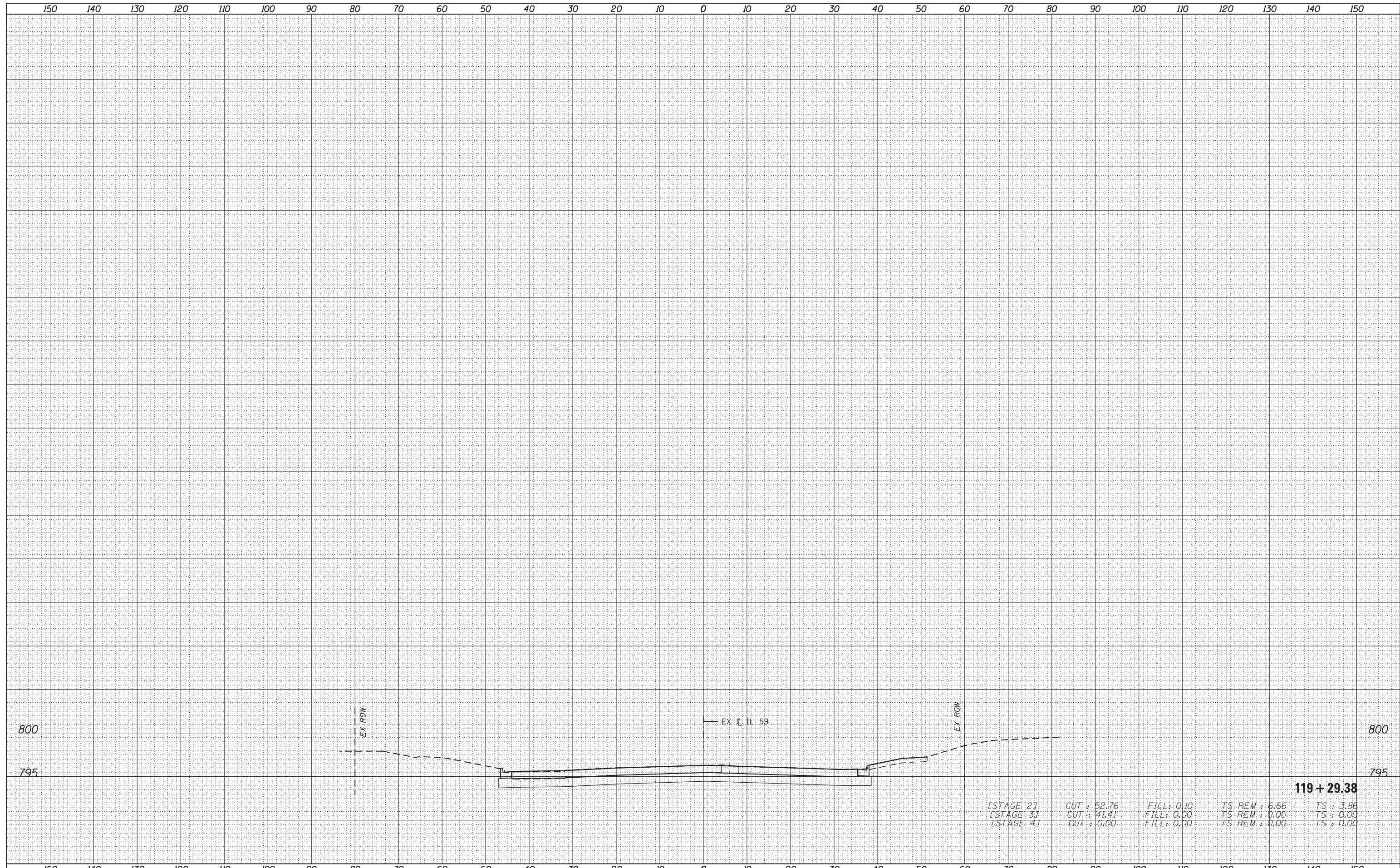


FILE NAME	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - IL RTE 59	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	344	
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57					
*MODELNAME#		DATE - 8/23/2017	REVISED -		ILLINOIS FED. AID PROJECT					

SCALE: 1/4" = 1' = 10' SHEET 15 OF 16 SHEETS STA. 116+00.00 TO STA. 119+00.00

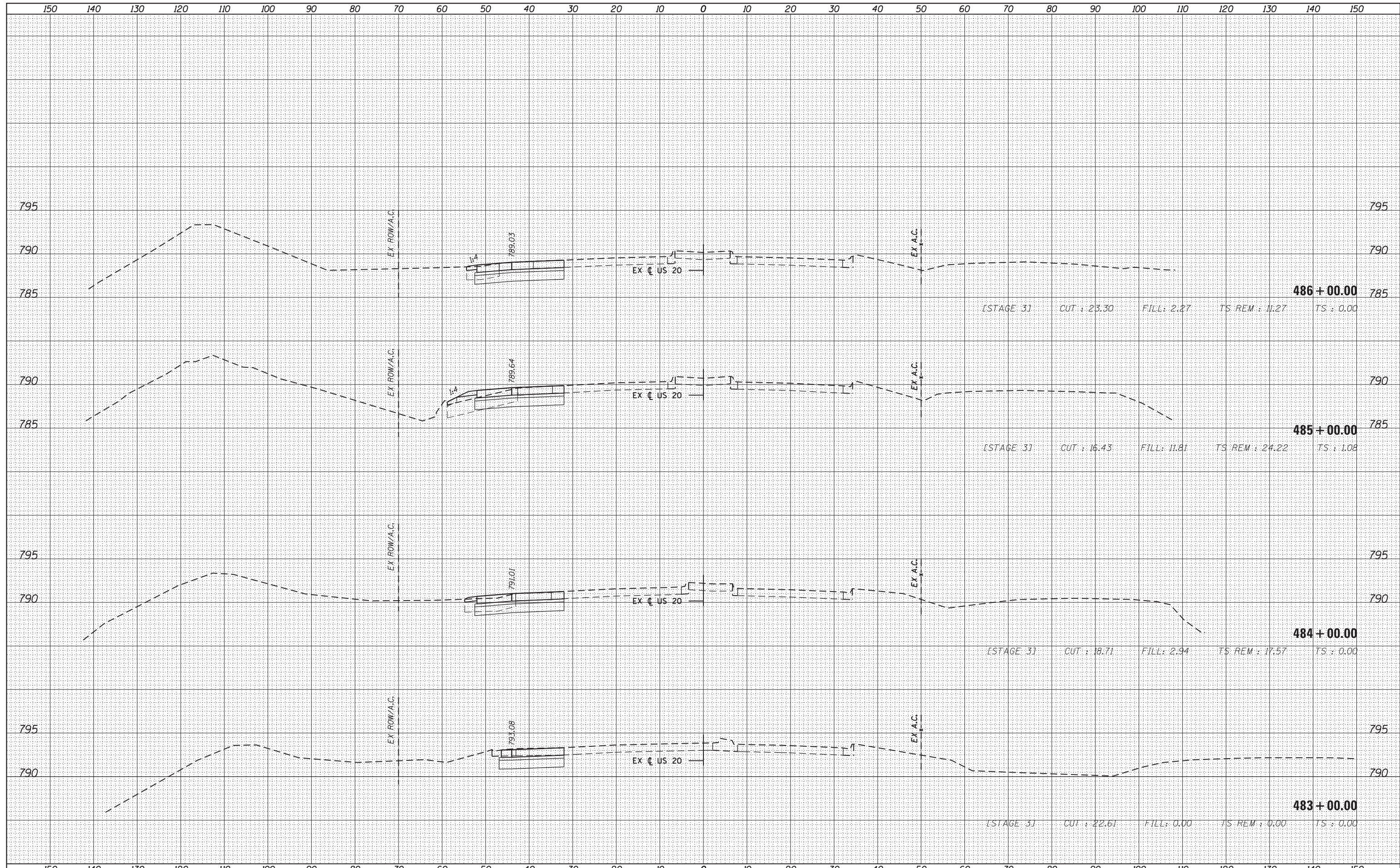
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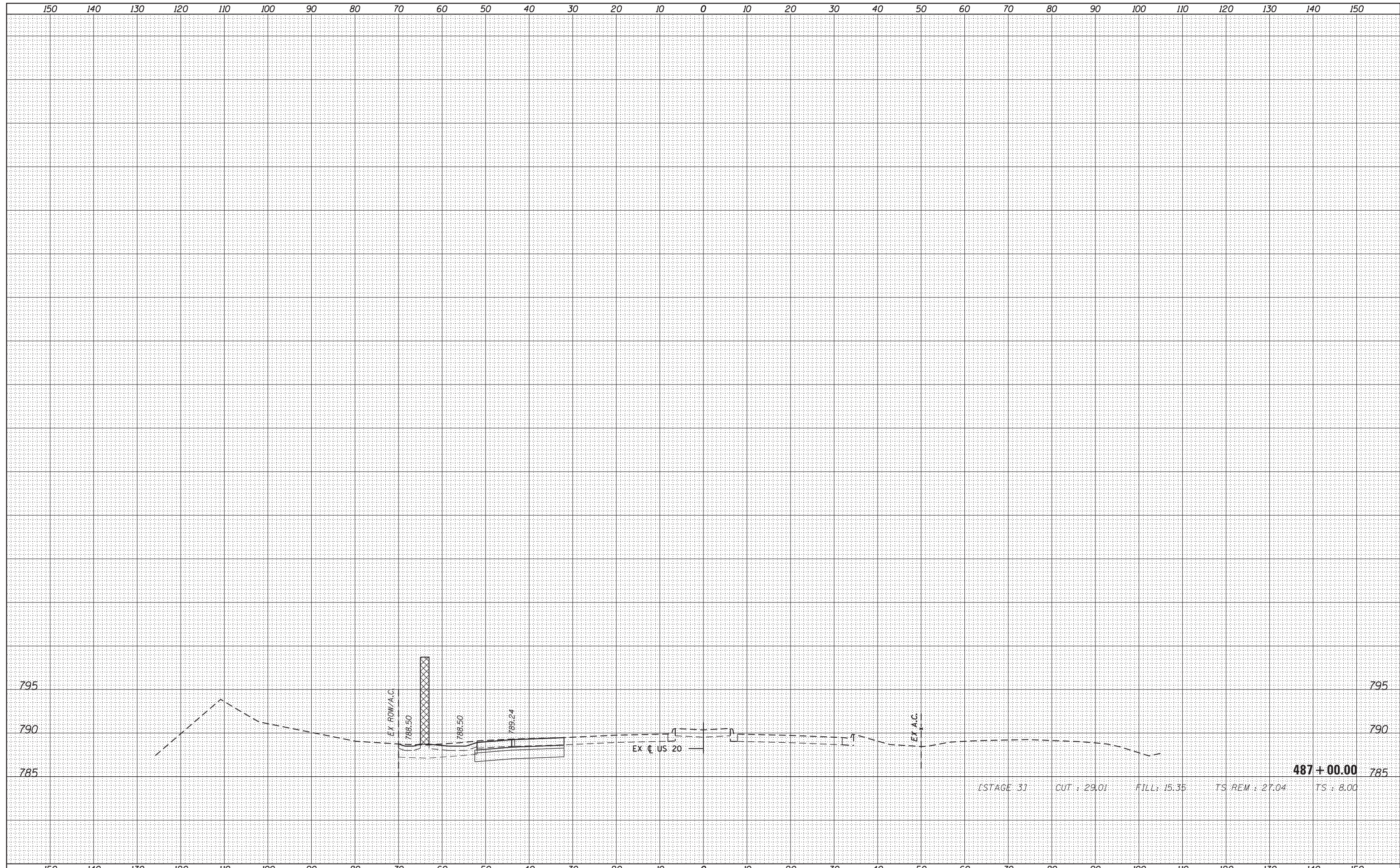


FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	346	
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
MODELNAME		DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1/4" = 1' = 10' SHEET 1 OF 15 SHEETS STA. 483+00.00 TO STA. 486+00.00

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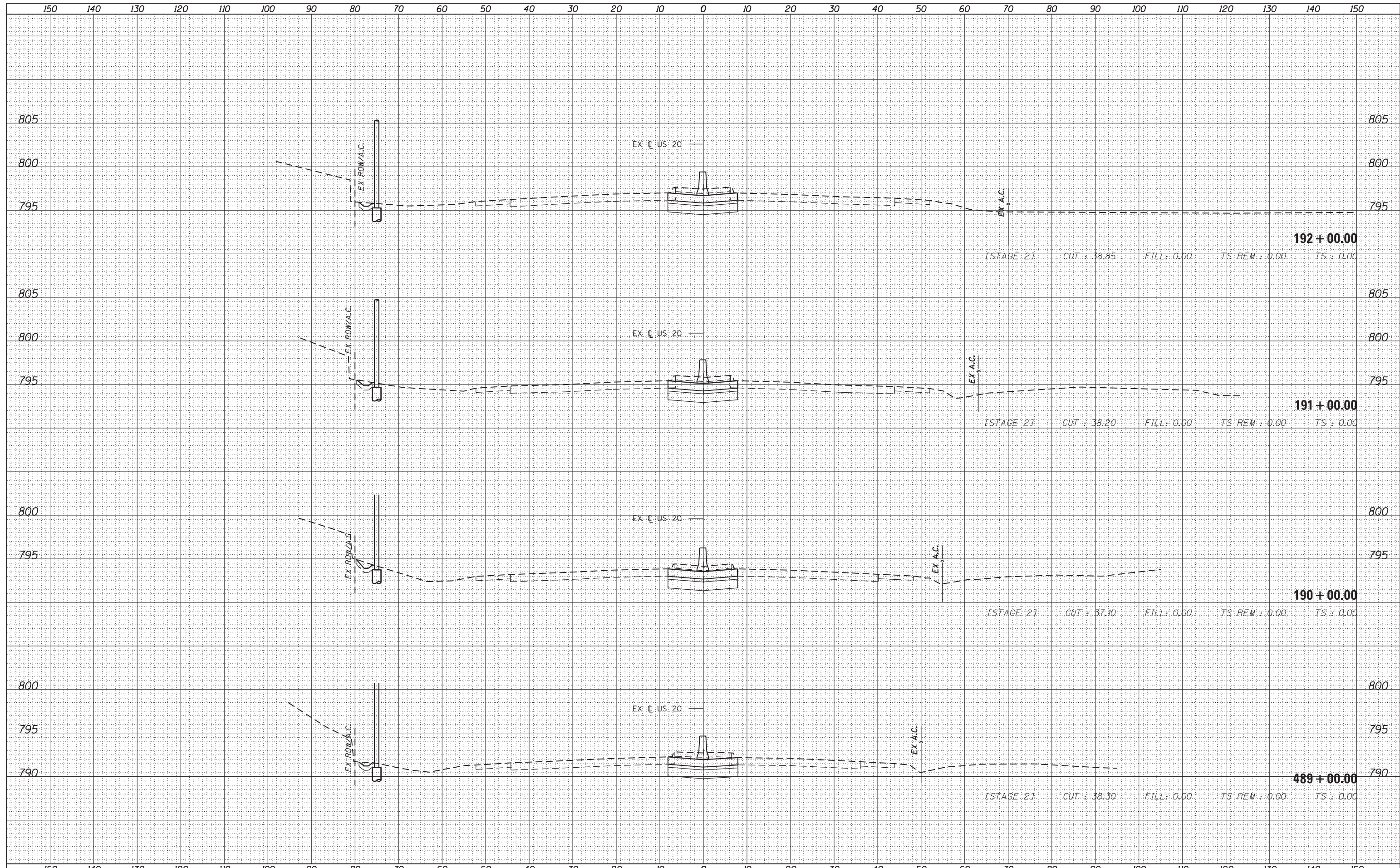


FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	347			
MODELNAME		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		SCALE: $\frac{1}{4}$ " = 1' = $\frac{10}{9}$ " SHEET 2 OF 15 SHEETS STA. 487+00.00 TO STA. 487+00.00							

ILLINOIS FED. AID PROJECT

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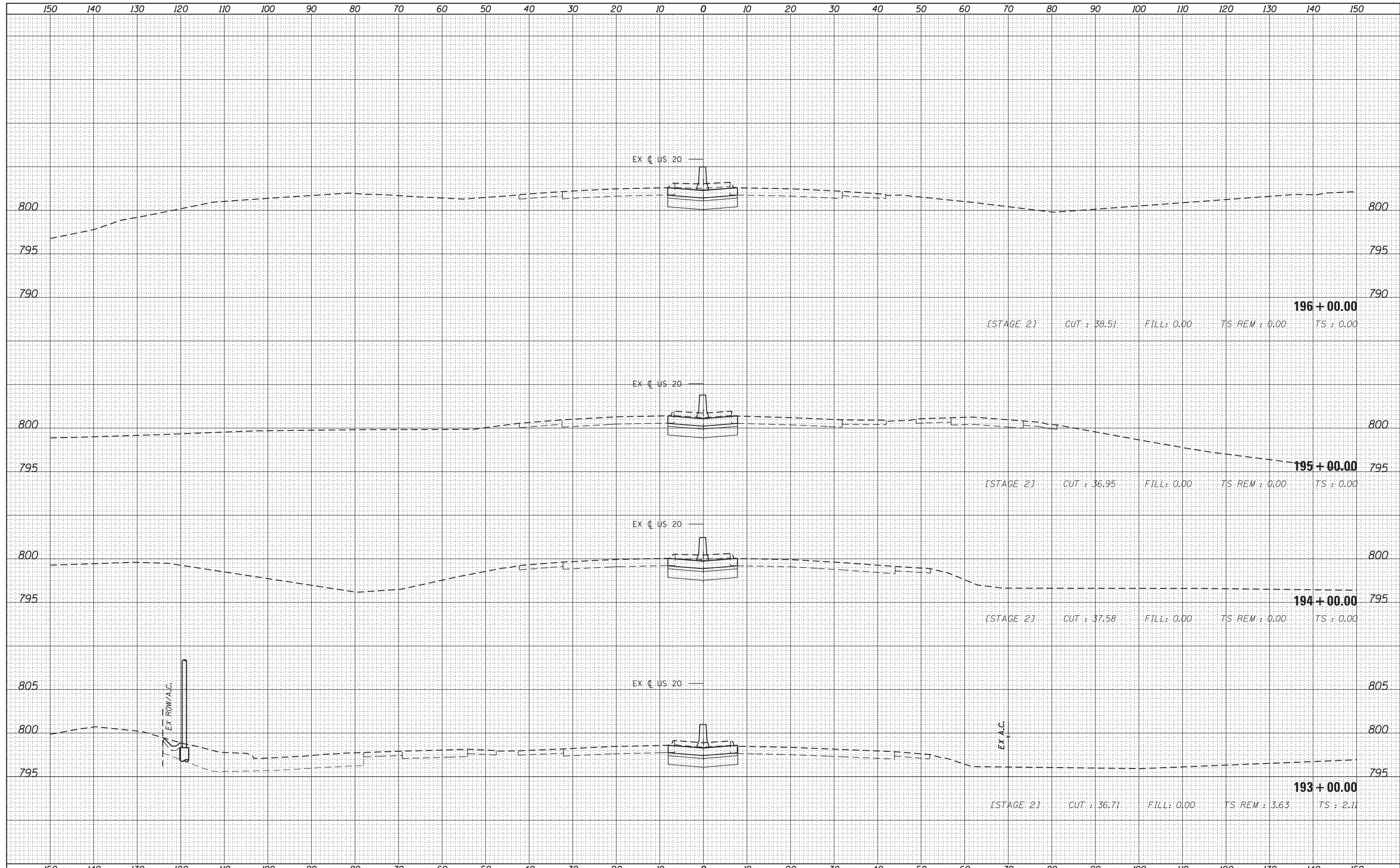
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	348	
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
*MODELNAME#		DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1/4" = 1' = 10'	SHEET 3 OF 15 SHEETS		STA. 489+00.00 TO STA. 192+00.00			

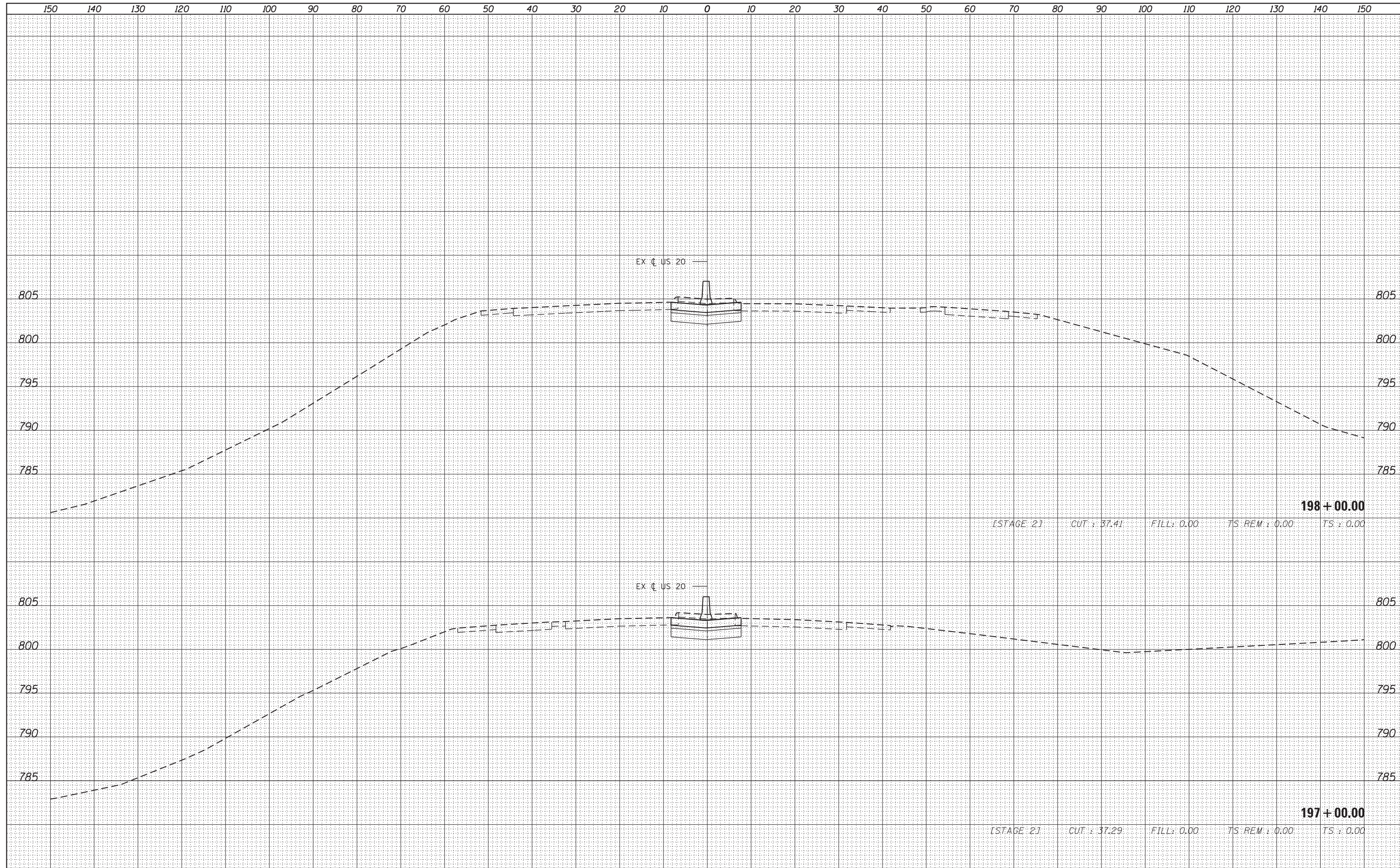
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	349			
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
*MODELNAME#	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 1' = 10' SHEET 4 OF 15 SHEETS STA. 193+00.00 TO STA. 196+00.00



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

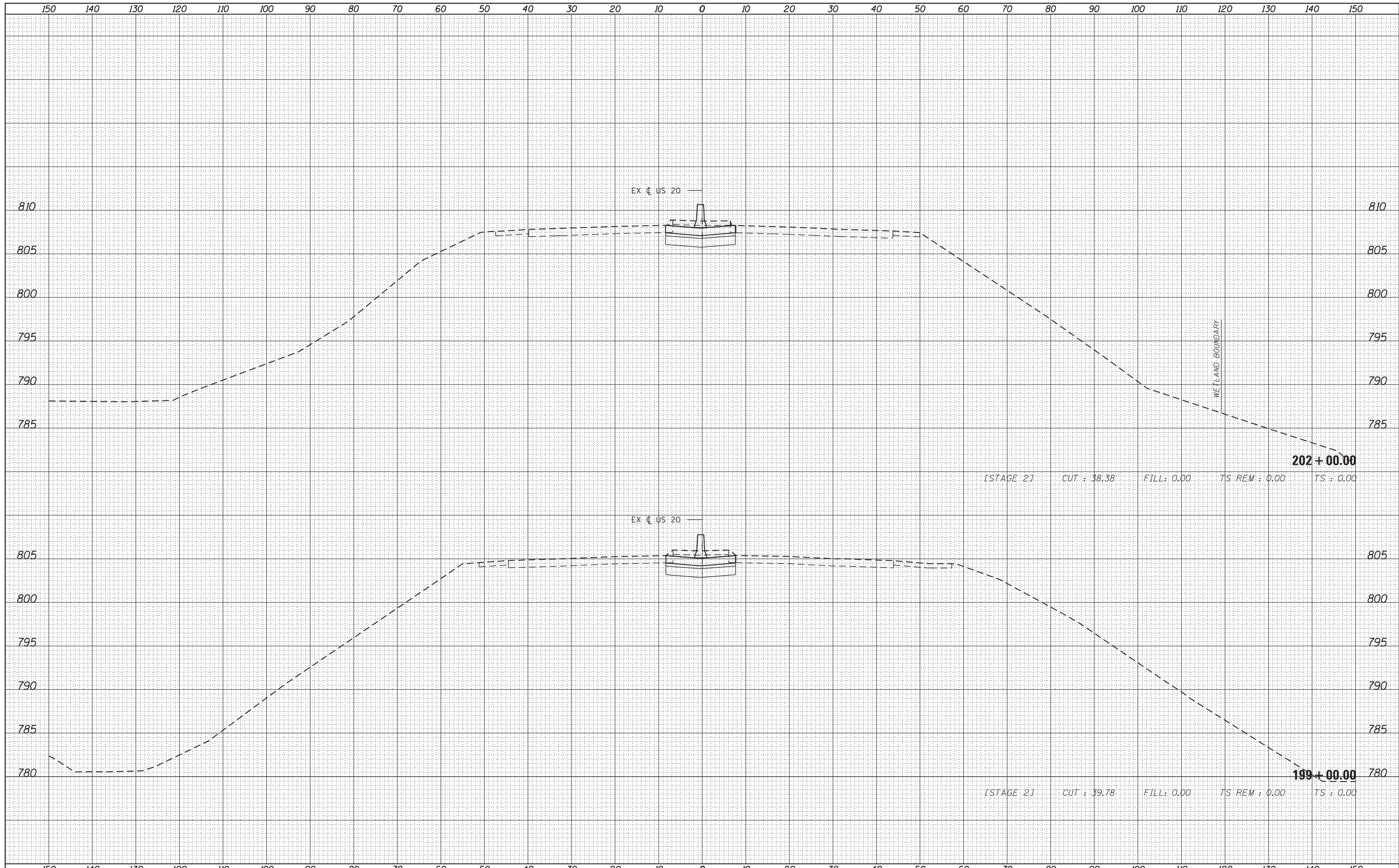
IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET)
 CROSS SECTIONS - US 20

SCALE: $\frac{1}{4}$ " = 1' = $\frac{10}{9}$ " SHEET 5 OF 15 SHEETS STA. 197+00.00 TO STA. 198+00.00

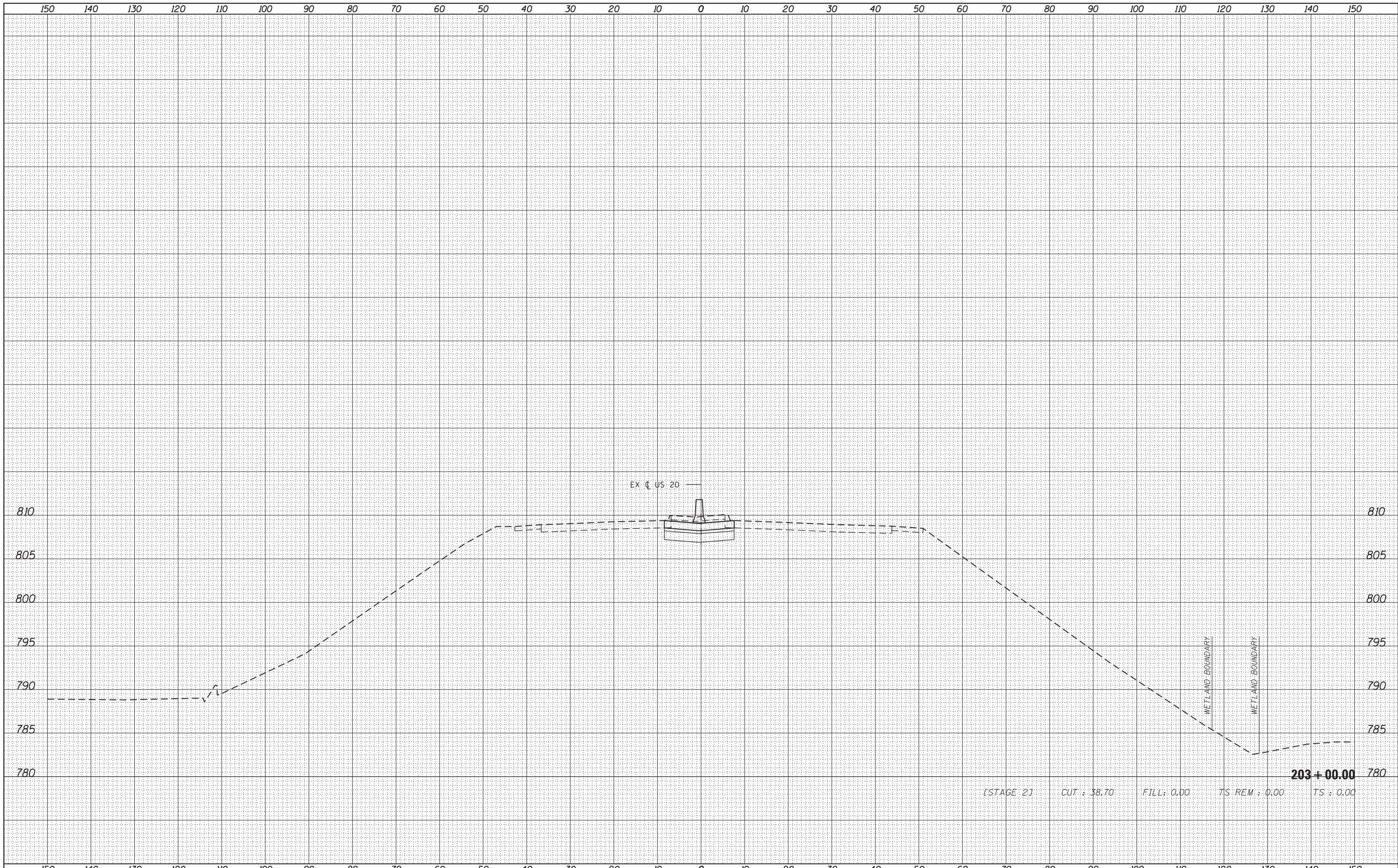
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	7K-1(12)	COOK	384	350
CONTRACT NO. 60V57			ILLINOIS FED. AID PROJECT	

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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	351	
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
MODELNAME		DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1/4" = 1' = 10'	SHEET 6 OF 15 SHEETS		STA. 199+00.00 TO STA. 202+00.00			



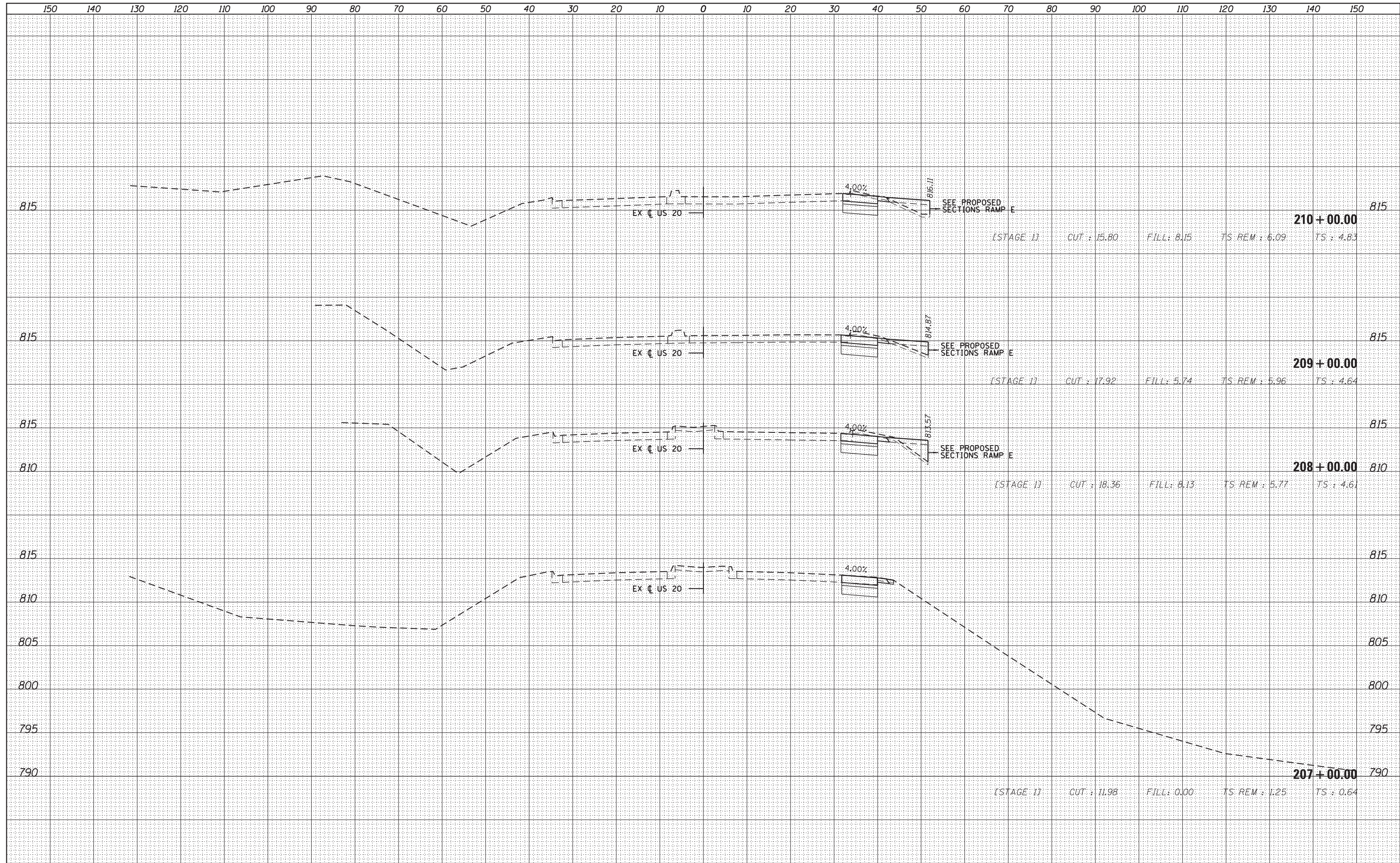
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	352			
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
MODELNAME	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		SCALE: $\frac{1}{4}'' = 10'$ SHEET 7 OF 15 SHEETS STA. 203+00.00 TO STA. 203+00.00							
											ILLINOIS FED. AID PROJECT	

BY	DATE

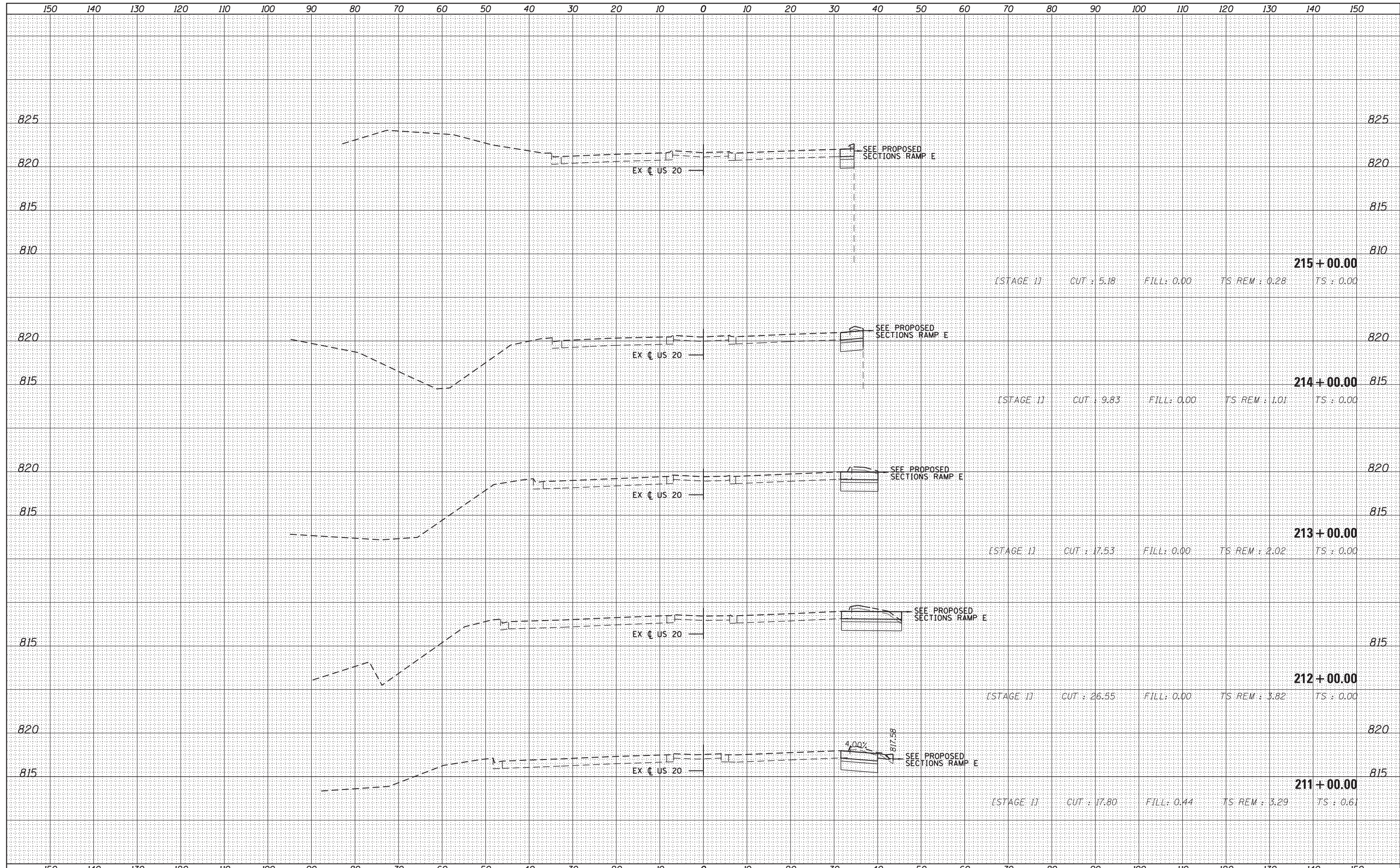
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20				F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	353				
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57								
MODELNAME		DATE - 8/23/2017	REVISED -		SCALE: 1/4" = 1' = 10'	SHEET 8	OF 15 SHEETS	STA. 207+00.00	TO STA. 210+00.00	ILLINOIS FED. AID PROJECT			

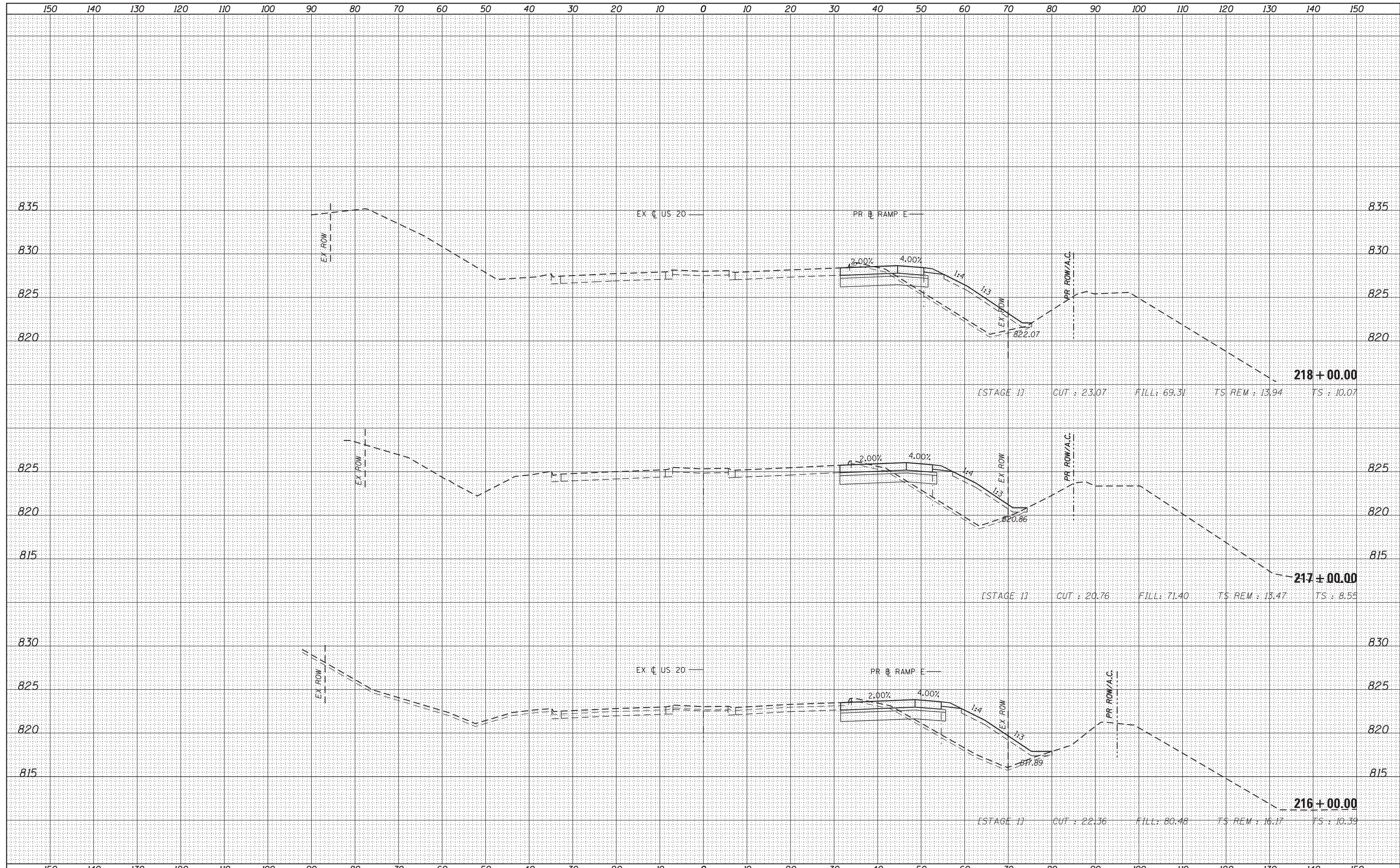
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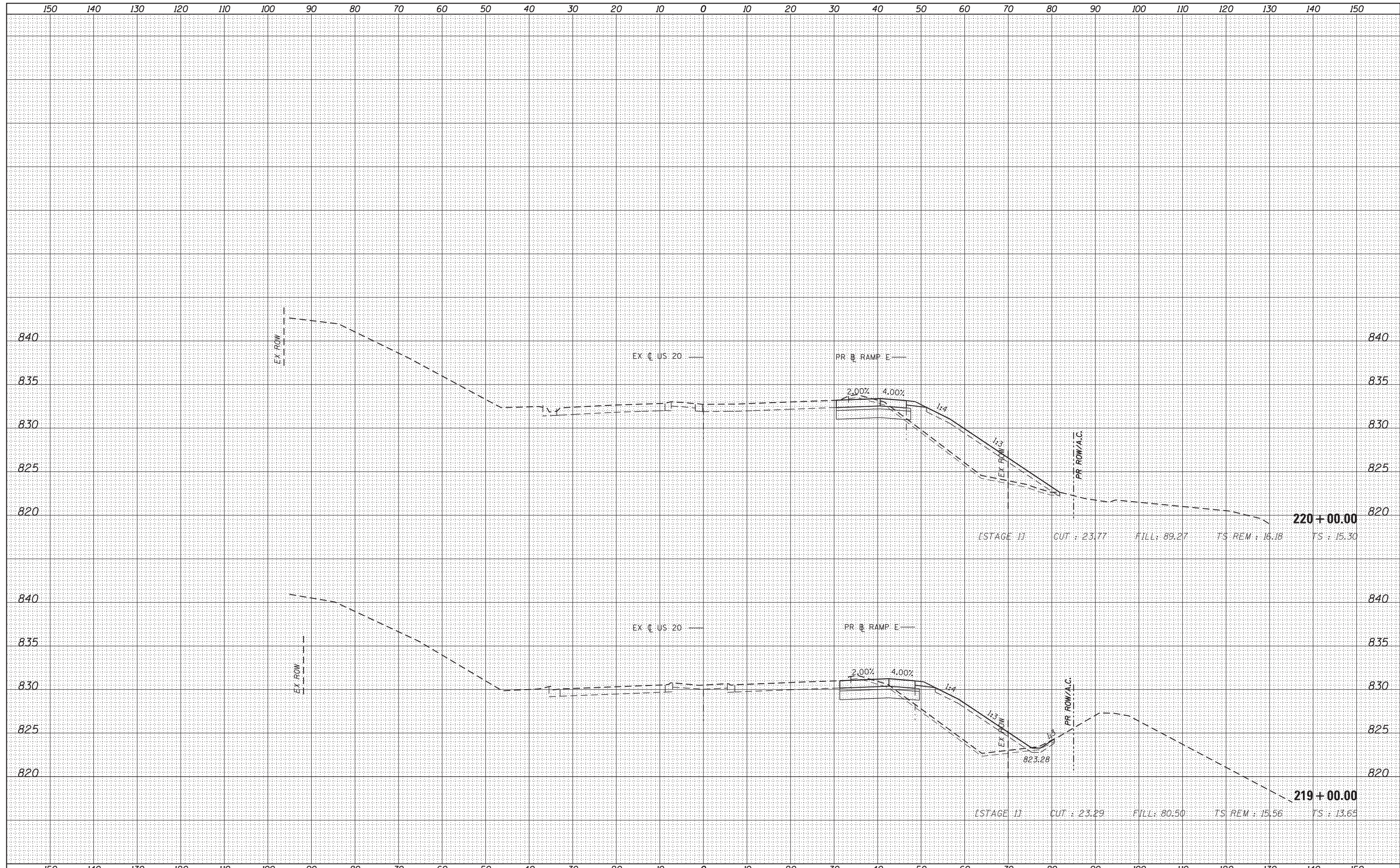
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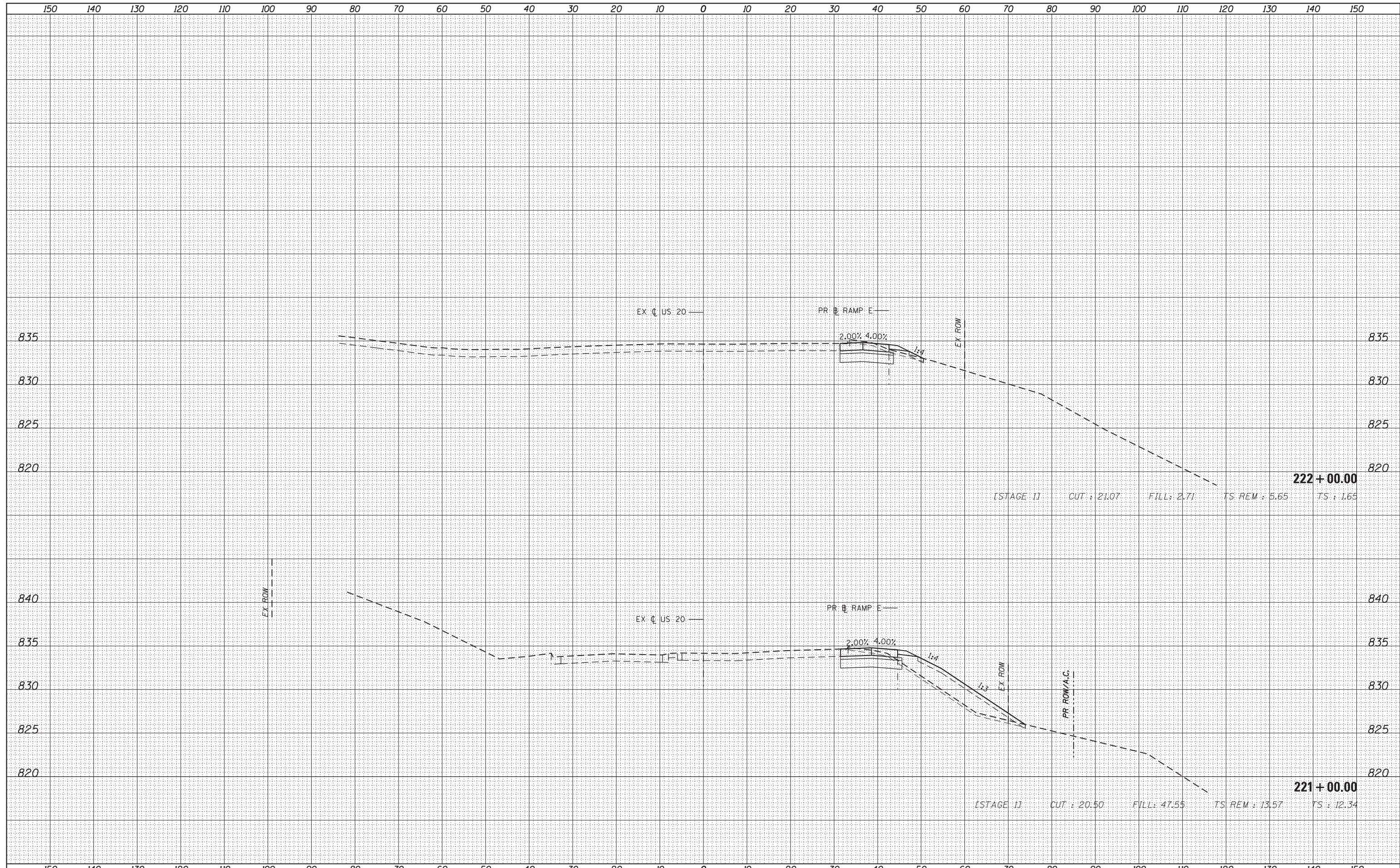
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	356			
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
*MODELNAME#	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		SCALE: 1/4" = 10' SHEET 11 OF 15 SHEETS STA. 219+00.00 TO STA. 220+00.00 ILLINOIS FED. AID PROJECT							

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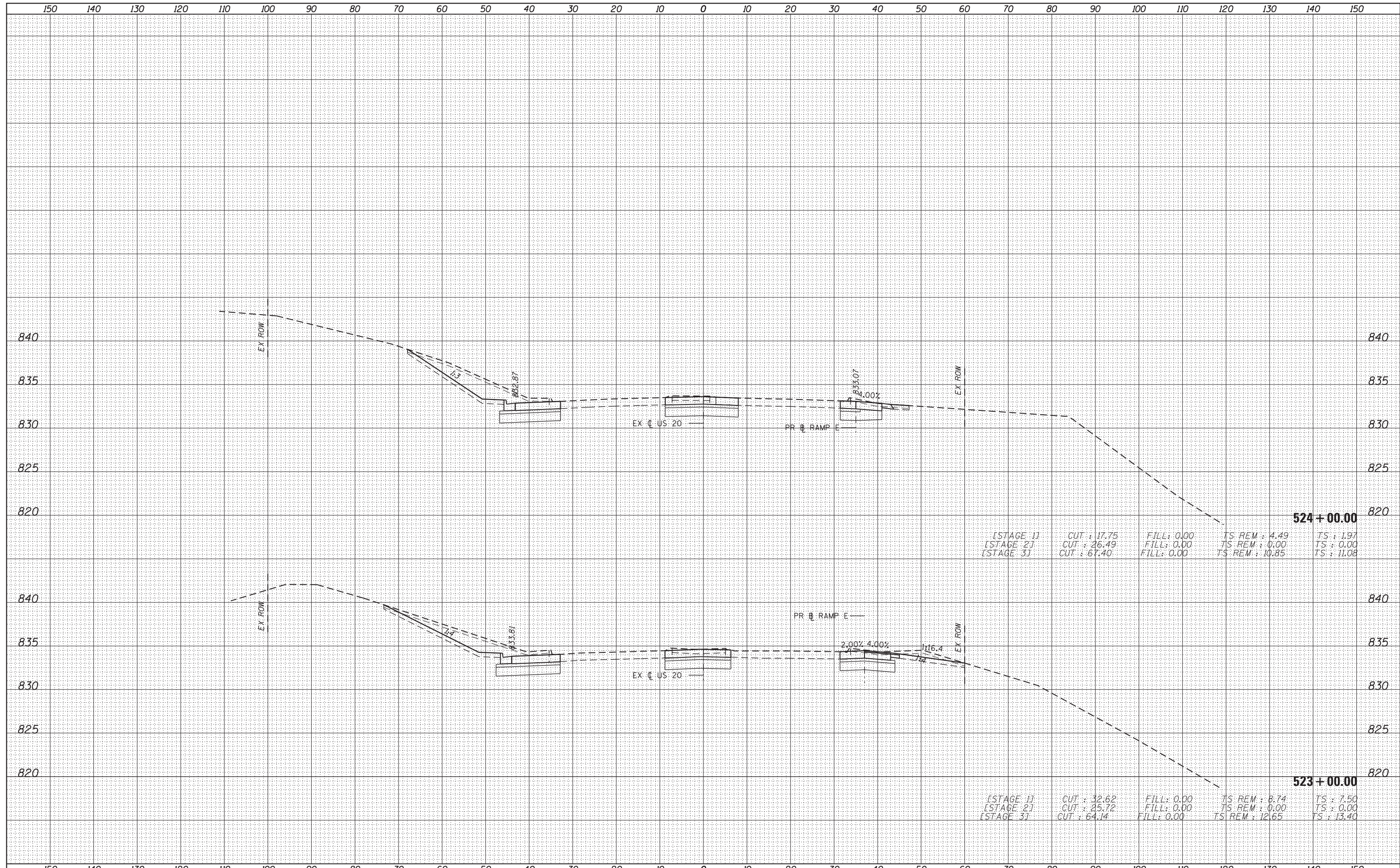
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	357			
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		SCALE: $\frac{1}{4}$ " = 1' = $\frac{10}{9}$ "				CONTRACT NO. 60V57			
MODELNAME		DATE - 8/23/2017	REVISED -		SHEET 12 OF 15 SHEETS			STA. 221+00.00 TO STA. 222+00.00		ILLINOIS FED. AID PROJECT		

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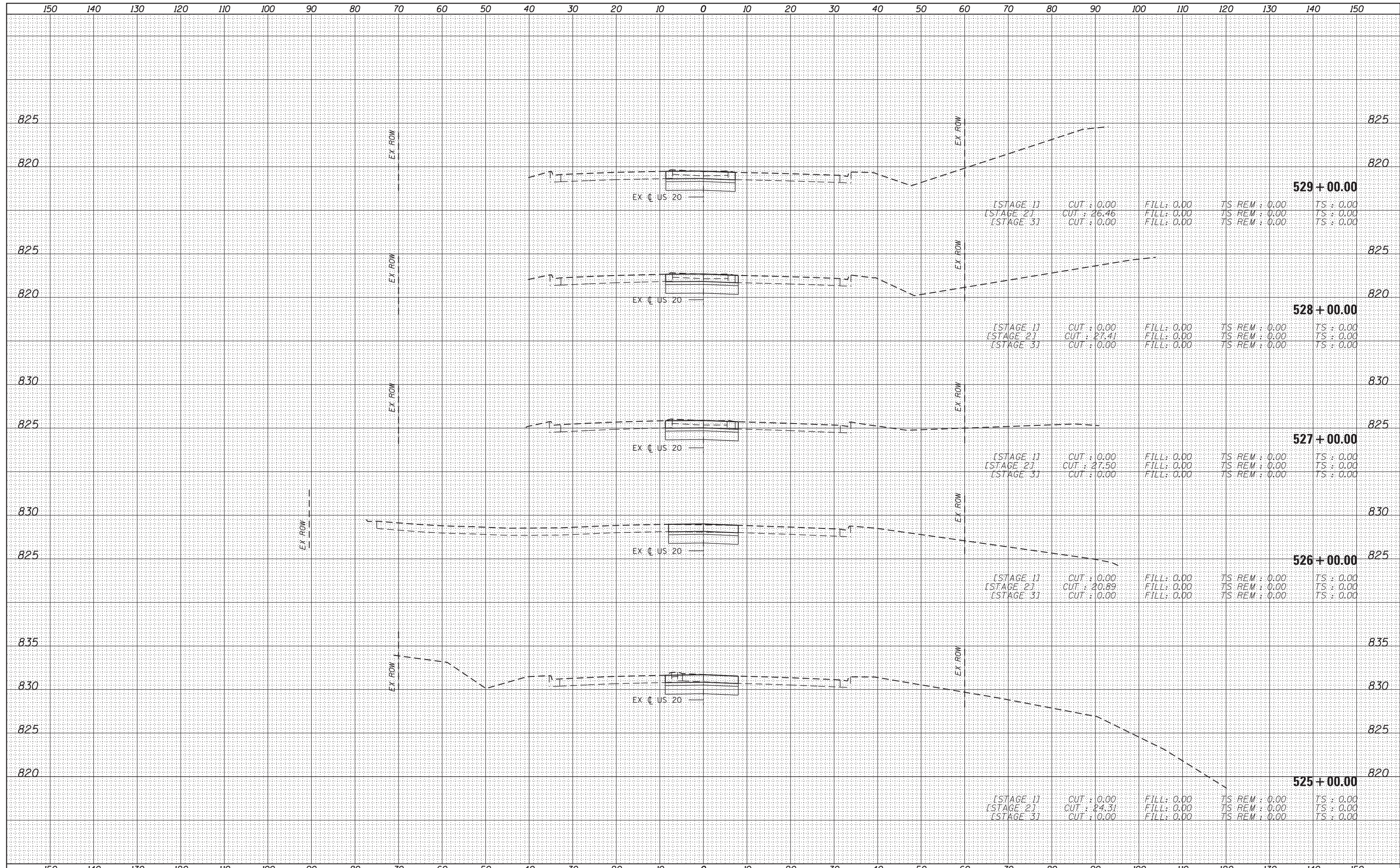
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISÉ -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20</p> <p>SCALE: $\frac{1}{4}'' = 1' = \frac{10}{9}''$ SHEET 13 OF 15 SHEETS STA. 523+00.00 TO STA. 524+00.00</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN - BDC	REVISÉ -		345	7K-1(12)	COOK	384	358
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISÉ -		CONTRACT NO. 60V57				
*MODELNAME#	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISÉ -		ILLINOIS FED. AID PROJECT				

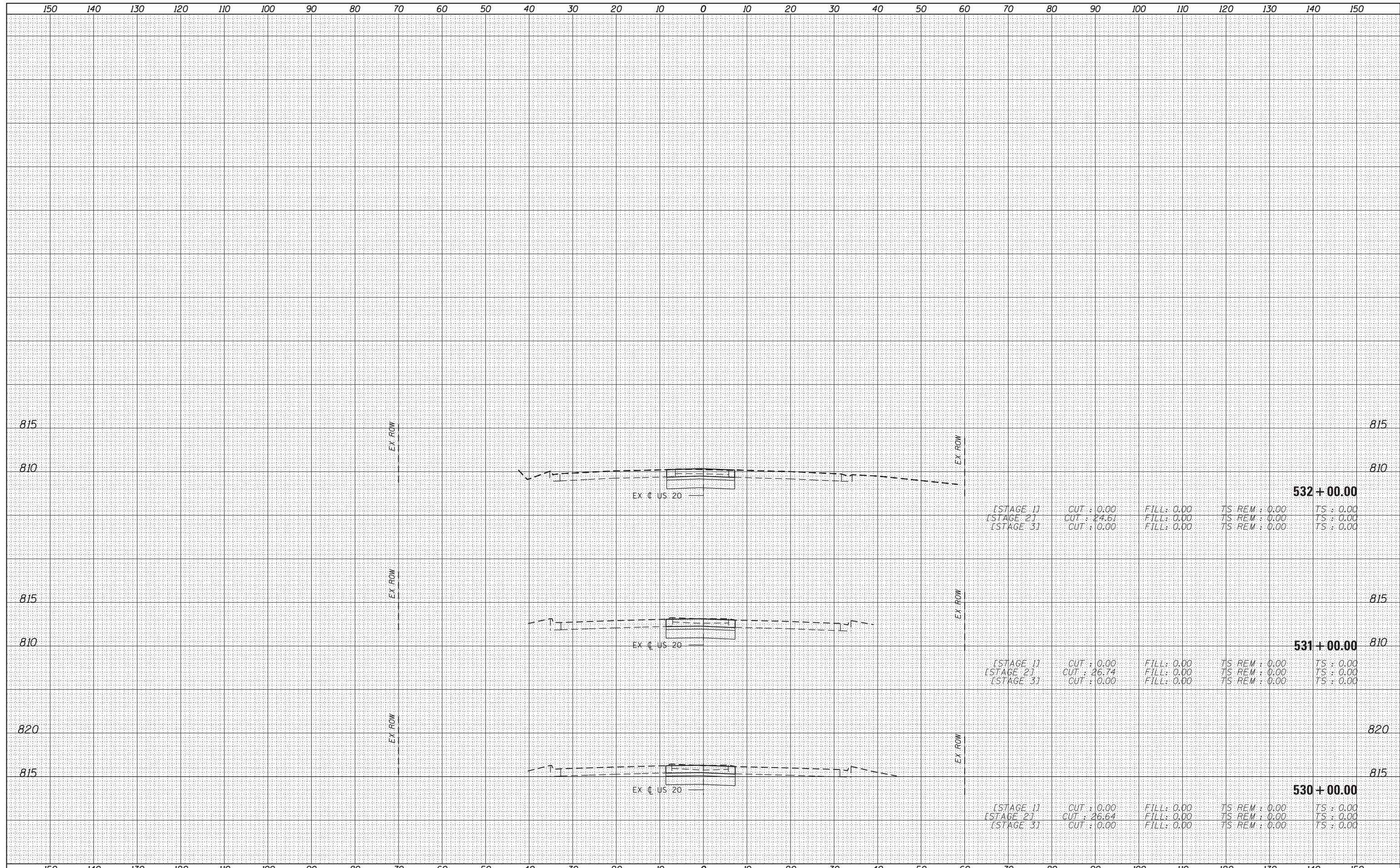
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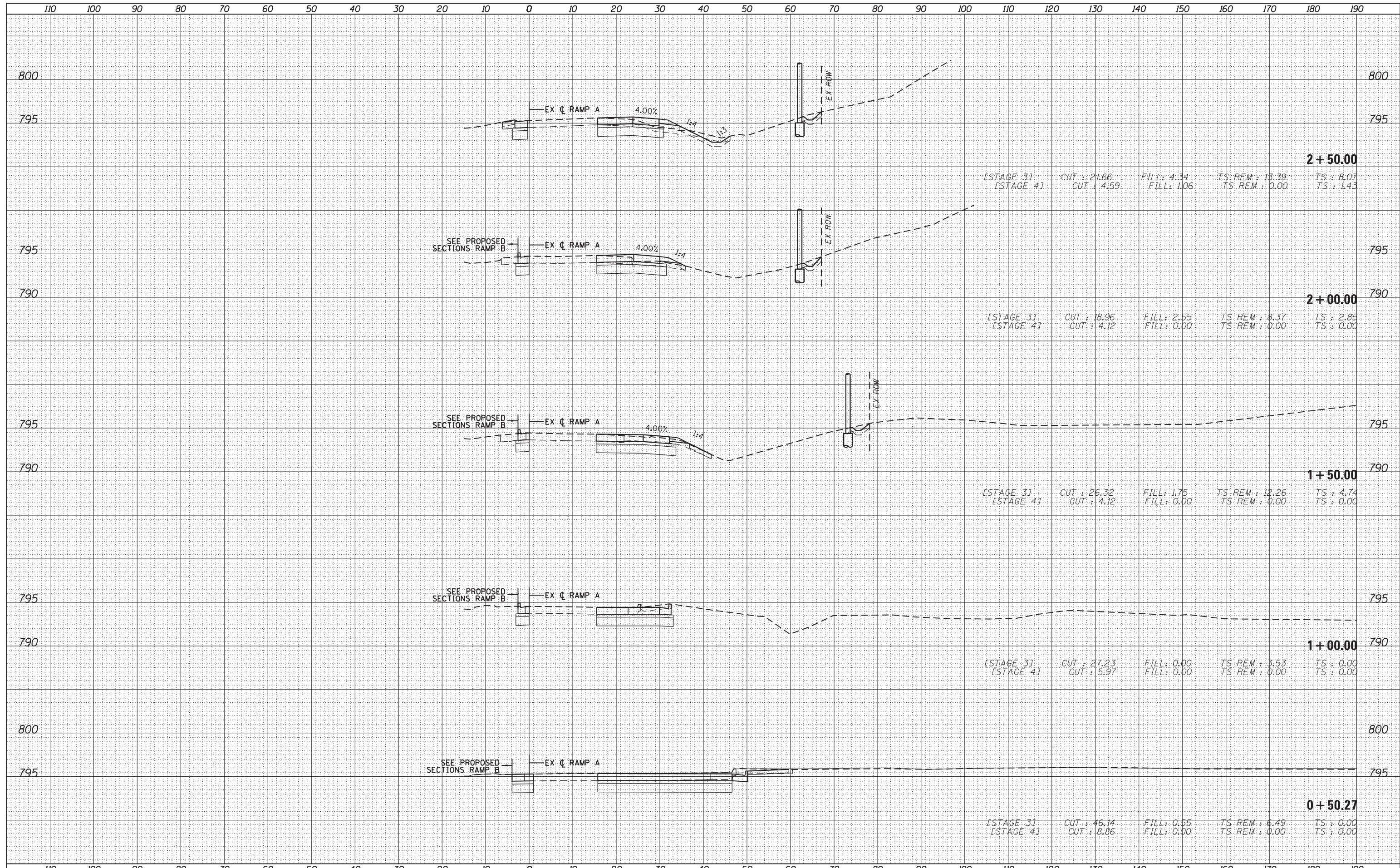
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - US 20			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISIED -		345	7K-1(12)	COOK	384	360			
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISIED -		CONTRACT NO. 60V57							
MODELNAME		DATE - 8/23/2017	REVISIED -		SCALE: $\frac{1}{4}'' = 1' = \frac{10'}{9}$ SHEET 15 OF 15 SHEETS STA. 530+00.00 TO STA. 532+00.00							

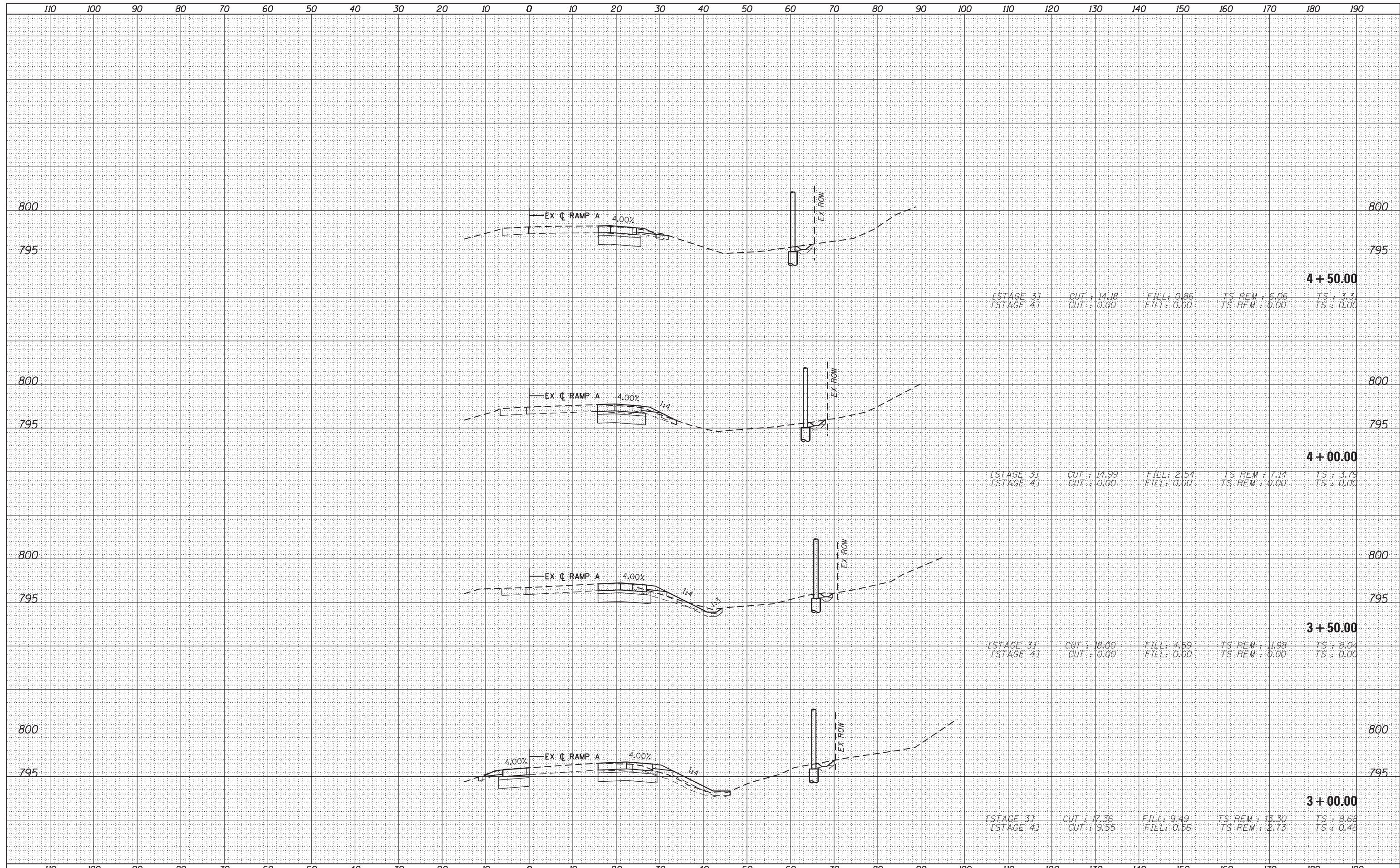
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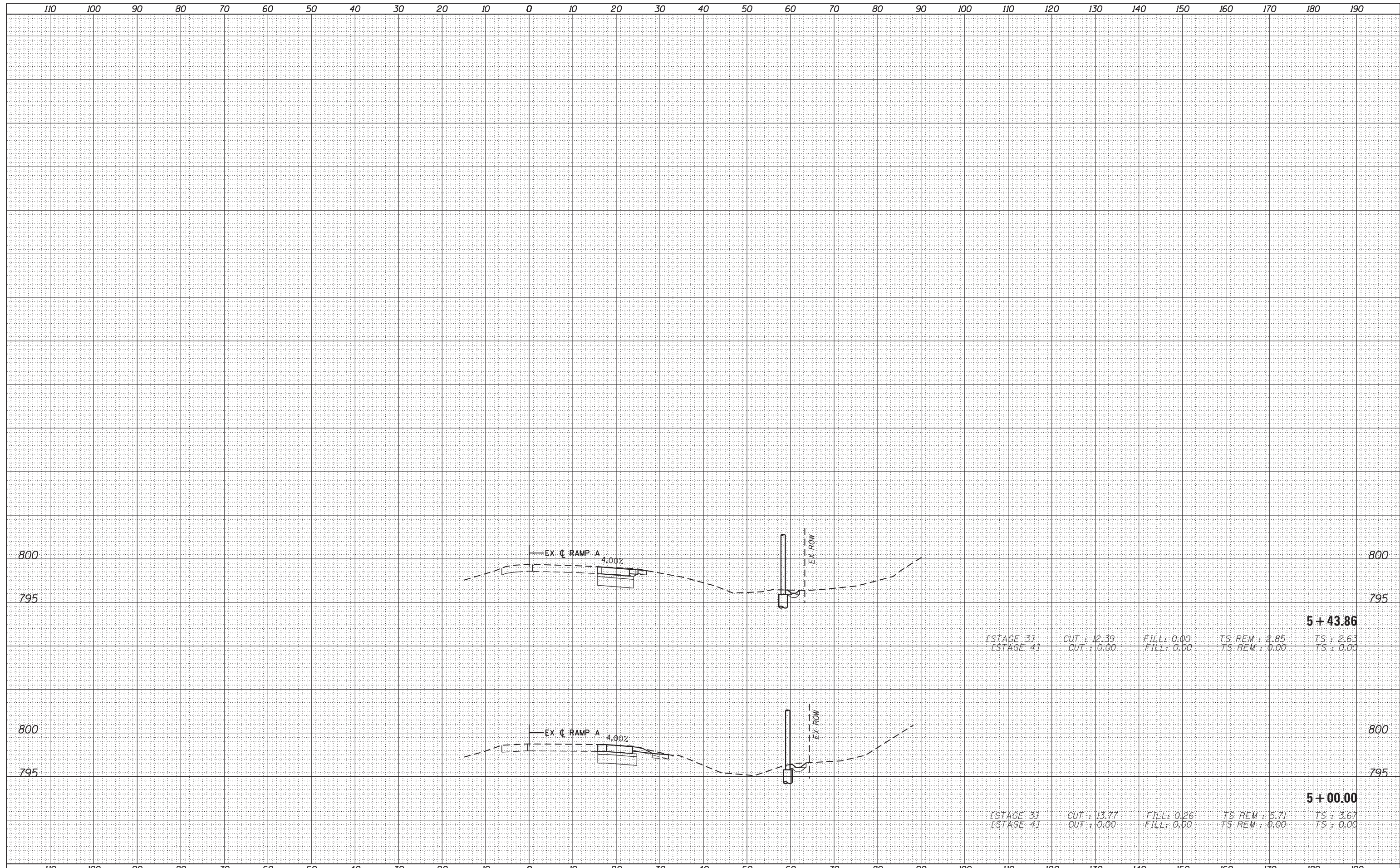
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP A			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	362			
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
*MODELNAME#		DATE - 8/23/2017	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1/4" = 1' = 10'		SHEET 2 OF 3 SHEETS		STA. 3+00.00 TO STA. 4+50.00				

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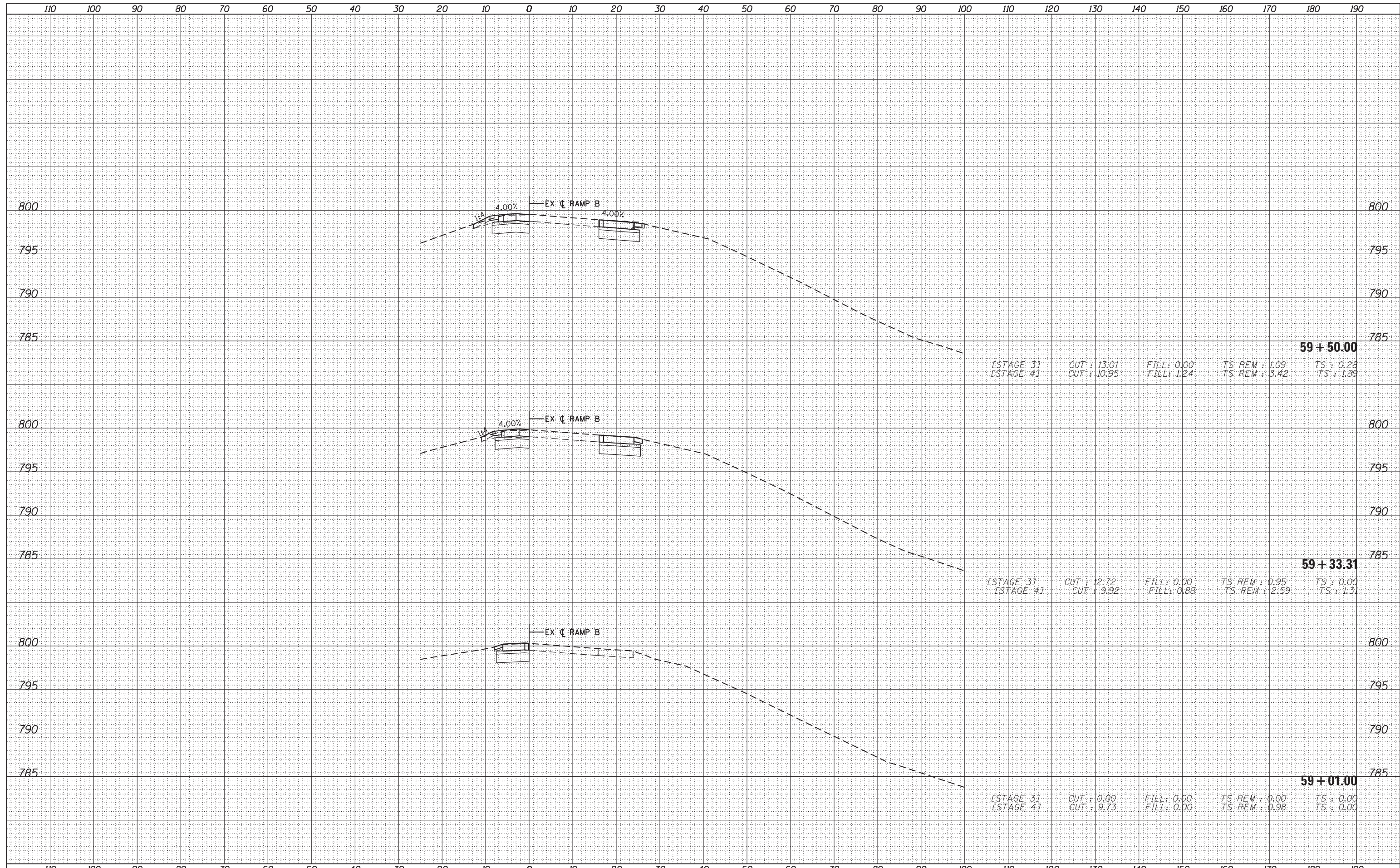
5+43.86
 [STAGE 3] CUT : 12.39 FILL : 0.00 TS REM : 2.85 TS : 2.63
 [STAGE 4] CUT : 0.00 FILL : 0.00 TS REM : 0.00 TS : 0.00

5+00.00
 [STAGE 3] CUT : 13.77 FILL : 0.26 TS REM : 5.71 TS : 3.67
 [STAGE 4] CUT : 0.00 FILL : 0.00 TS REM : 0.00 TS : 0.00

FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP A			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	363			
		CHECKED - DDM	REVISED -		SCALE: $\frac{1}{4}$ " = 1' = $\frac{10}{9}$ " SHEET 3 OF 3 SHEETS STA. 5+00.00 TO STA. 5+43.86				CONTRACT NO. 60V57			
MODELNAME	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		ILLINOIS FED. AID PROJECT							

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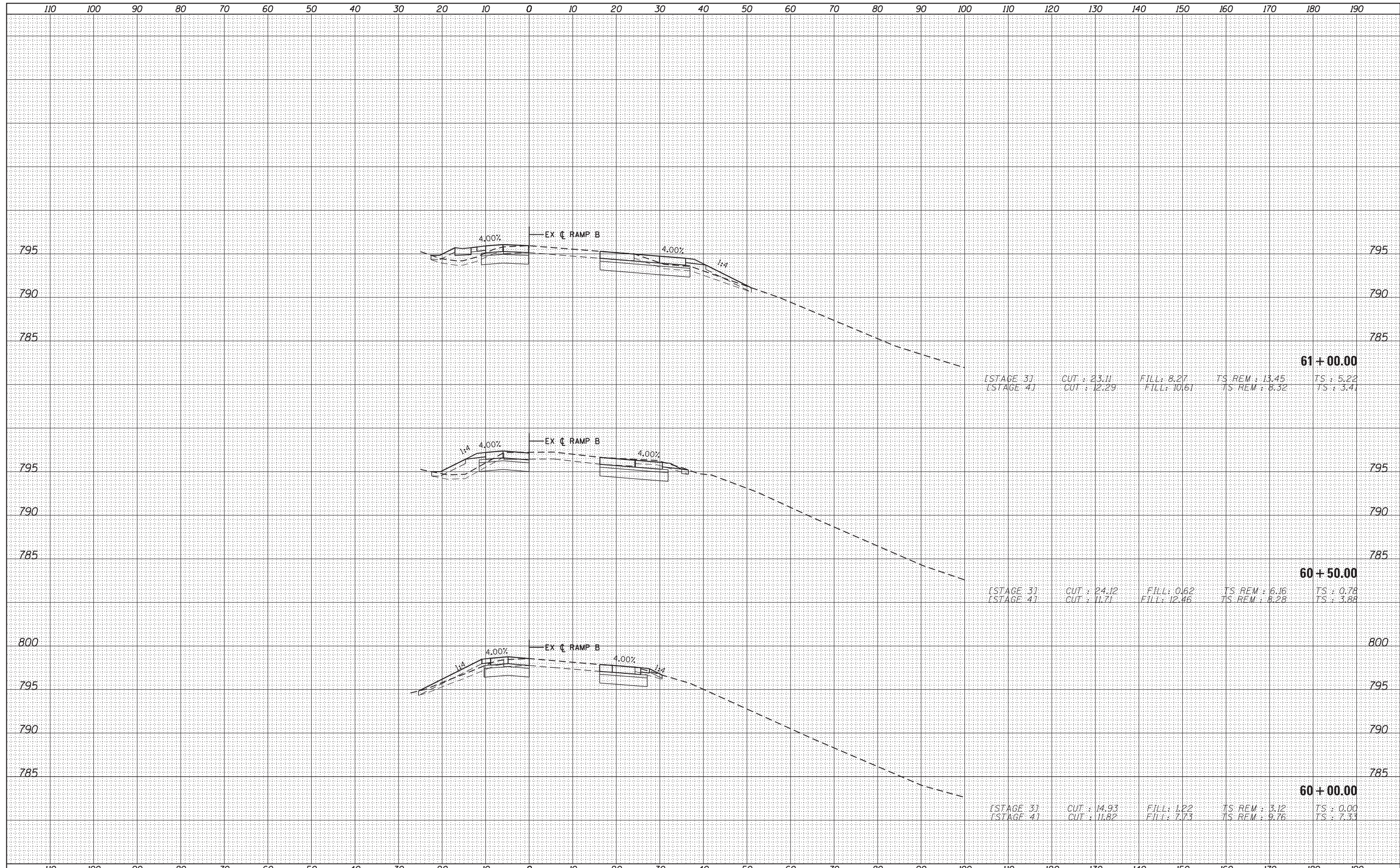
59 + 50.00
 [STAGE 3] CUT : 13.01 FILL : 0.00 TS REM : 1.09 TS : 0.28
 [STAGE 4] CUT : 10.95 FILL : 1.24 TS REM : 3.42 TS : 1.89

59 + 33.31
 [STAGE 3] CUT : 12.72 FILL : 0.00 TS REM : 0.95 TS : 0.00
 [STAGE 4] CUT : 9.92 FILL : 0.88 TS REM : 2.59 TS : 1.31

59 + 01.00
 [STAGE 3] CUT : 0.00 FILL : 0.00 TS REM : 0.00 TS : 0.00
 [STAGE 4] CUT : 9.73 FILL : 0.00 TS REM : 0.98 TS : 0.00

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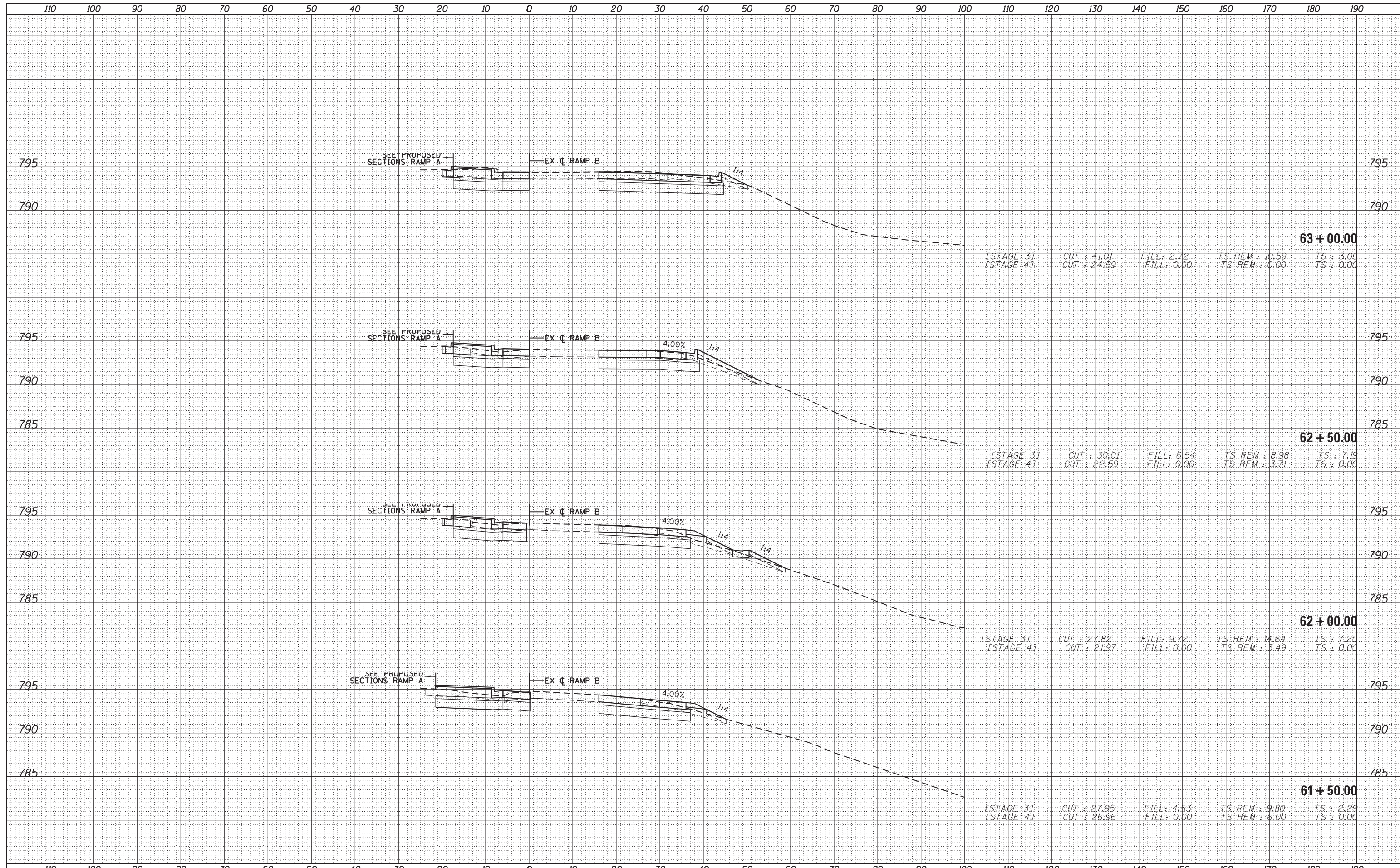


FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP B	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	365	
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
MODELNAME		DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1/4" = 1' = 10' SHEET 2 OF 3 SHEETS STA. 60+00.00 TO STA. 61+00.00

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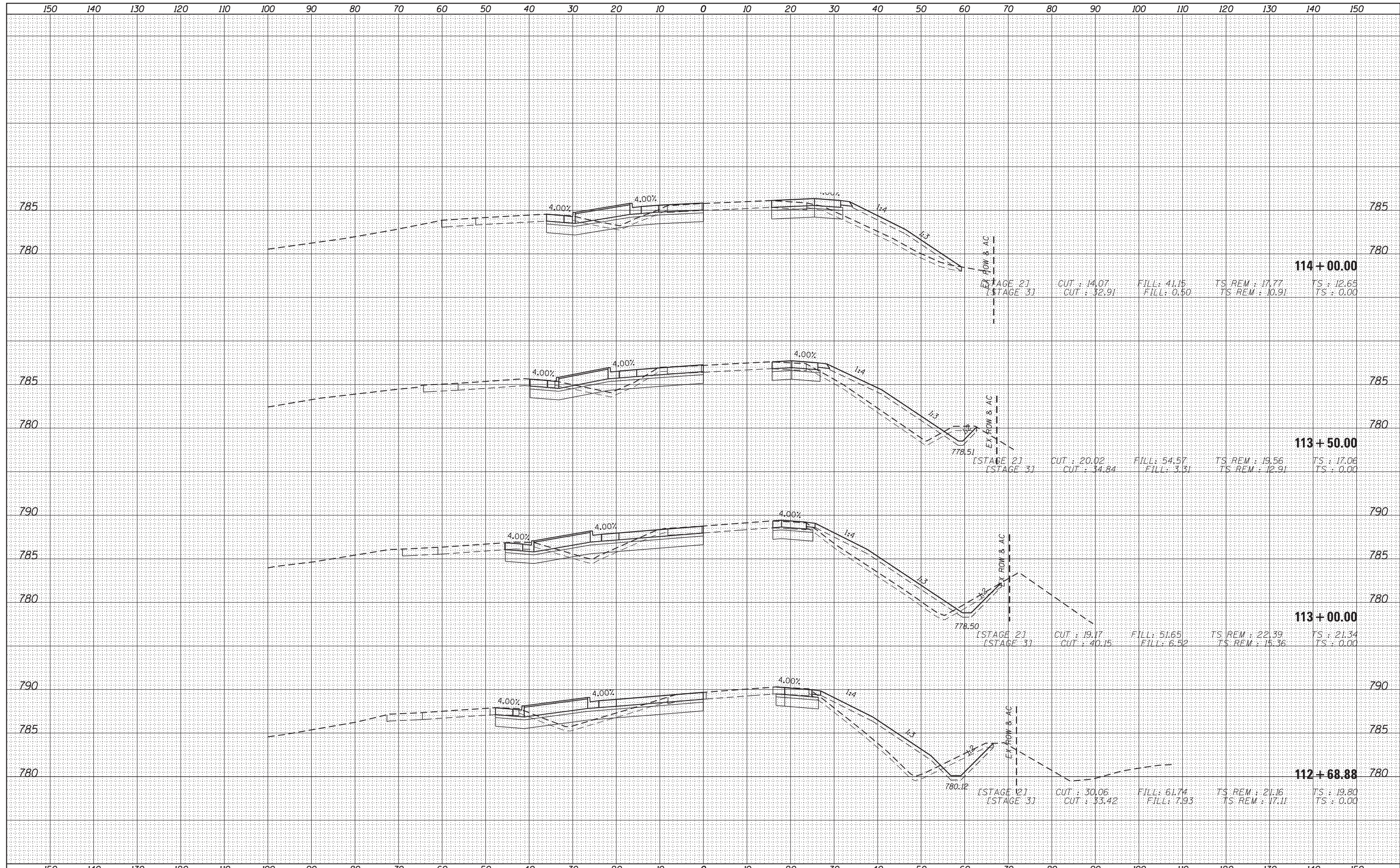
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP B			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	366			
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		SCALE: $\frac{1}{4}$ " = 1' = $\frac{10}{9}$ '				CONTRACT NO. 60V57			
MODELNAME		DATE - 8/23/2017	REVISED -		SHEET 3 OF 3 SHEETS STA. 61+50.00 TO STA. 63+00.00			ILLINOIS FED. AID PROJECT				

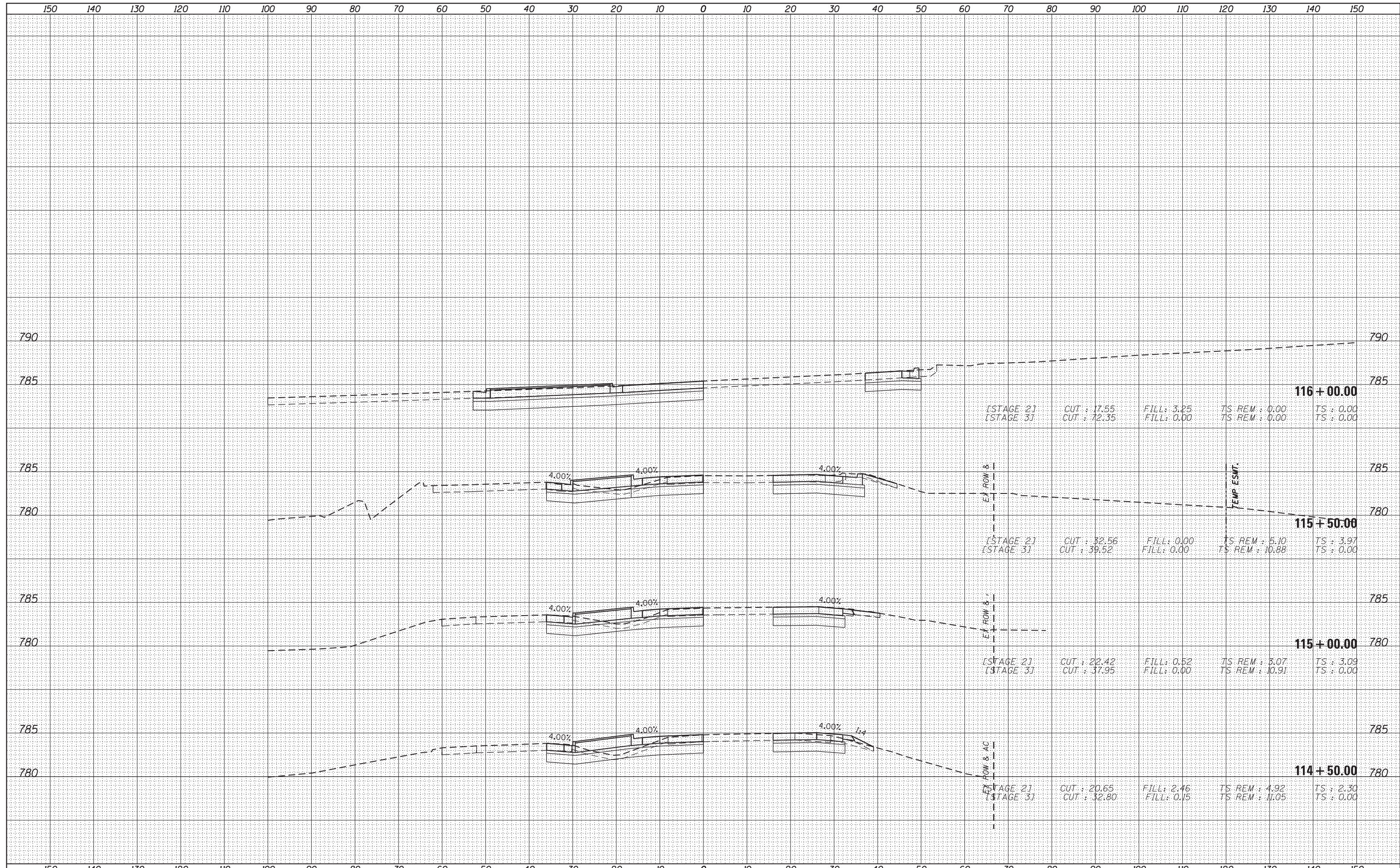
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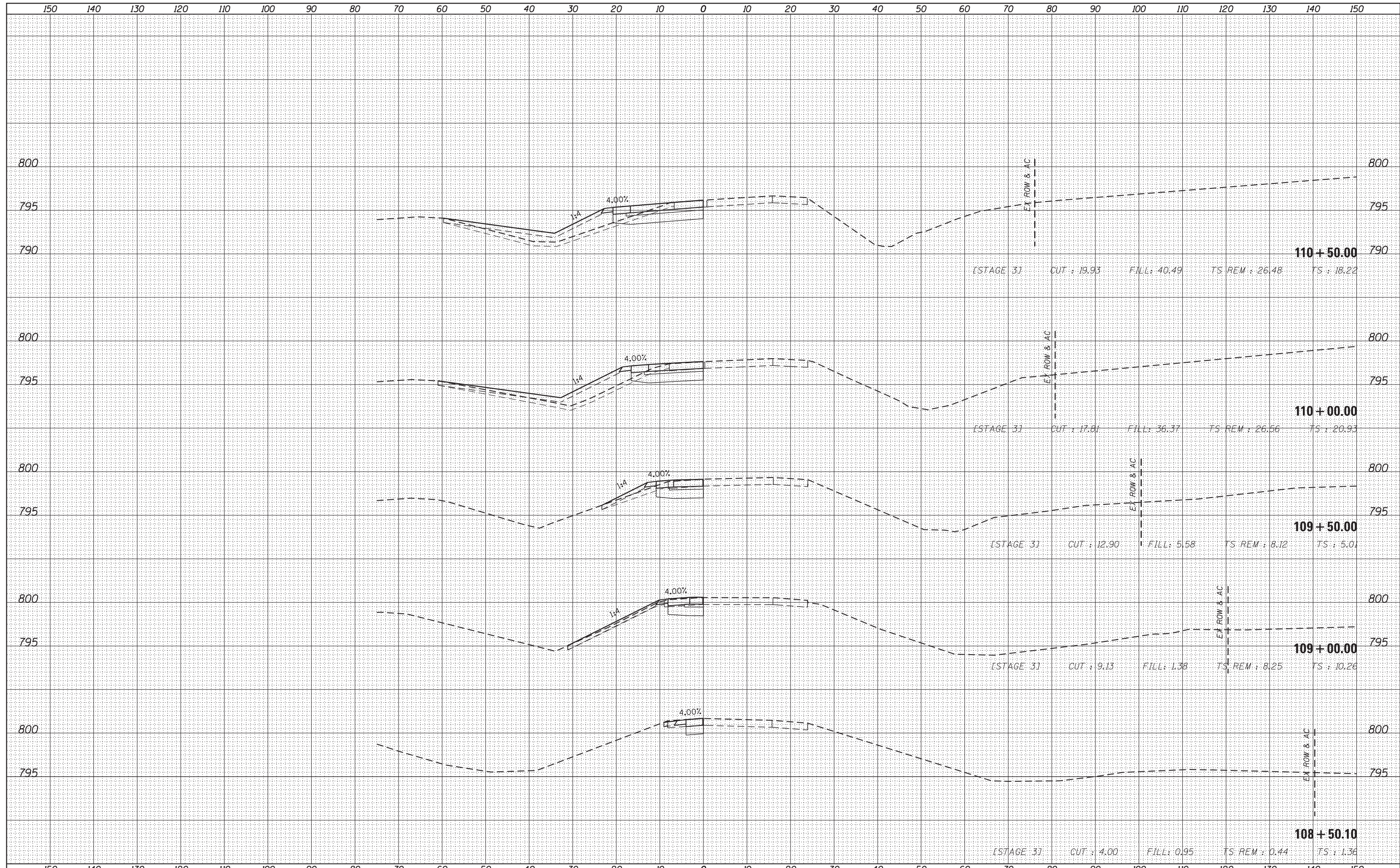
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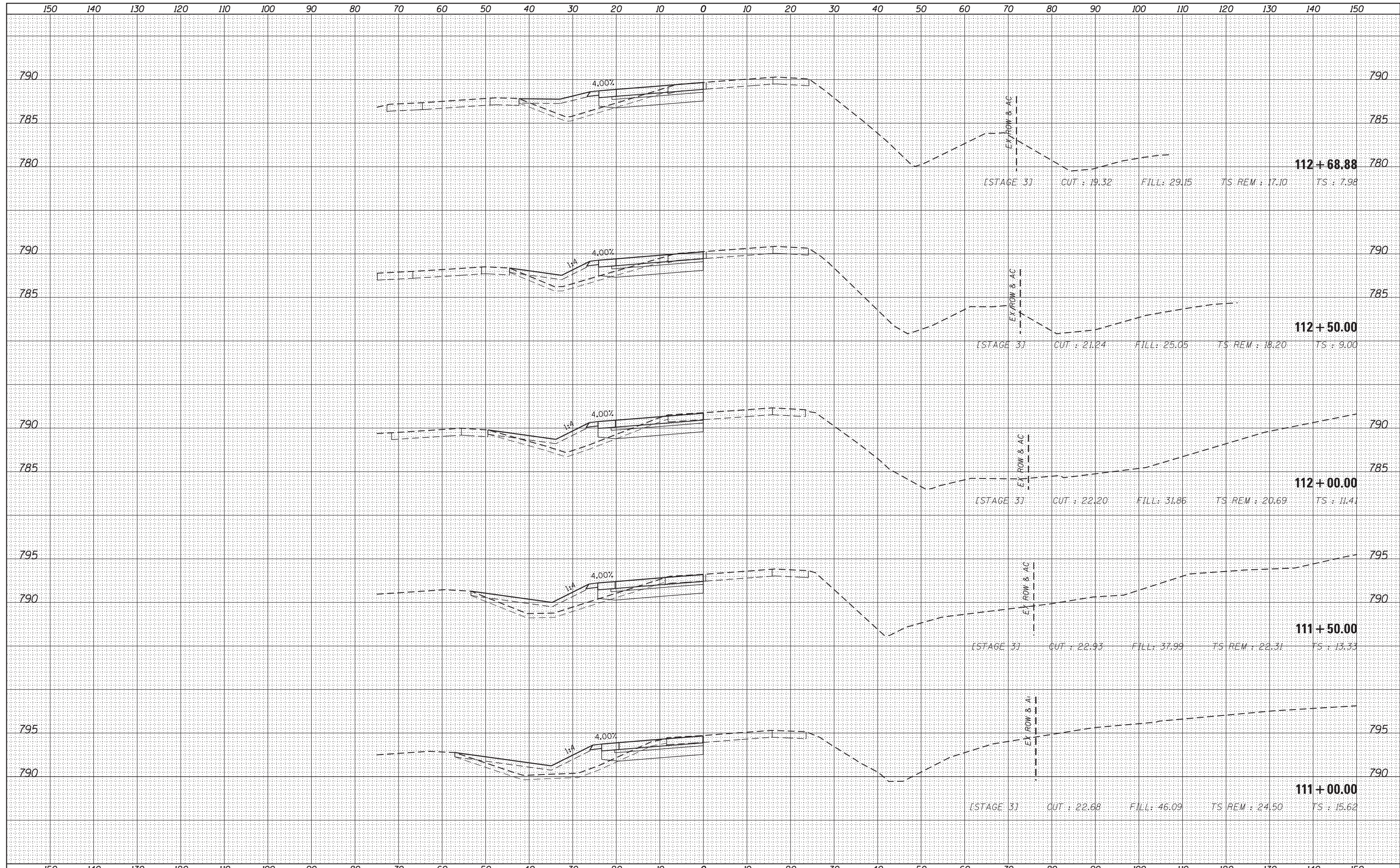
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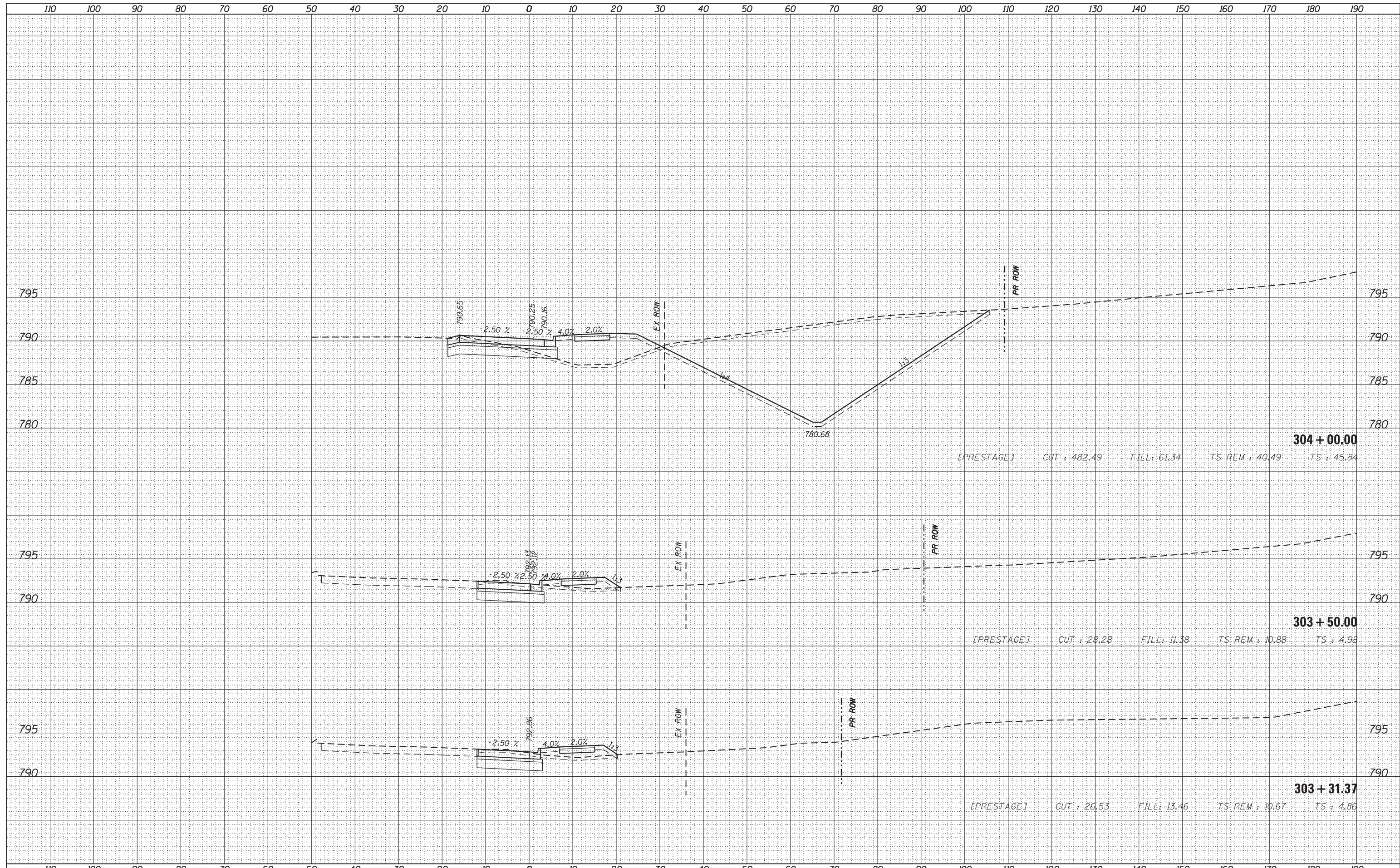
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FILE NAME :	USER NAME : default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMPS C & D	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	370	
PLOT SCALE : *SCALE*		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
MODELNAME		DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1/4" = 10'		SHEET 2 OF 2 SHEETS		STA. 111+00.00 TO STA. 112+68.88			

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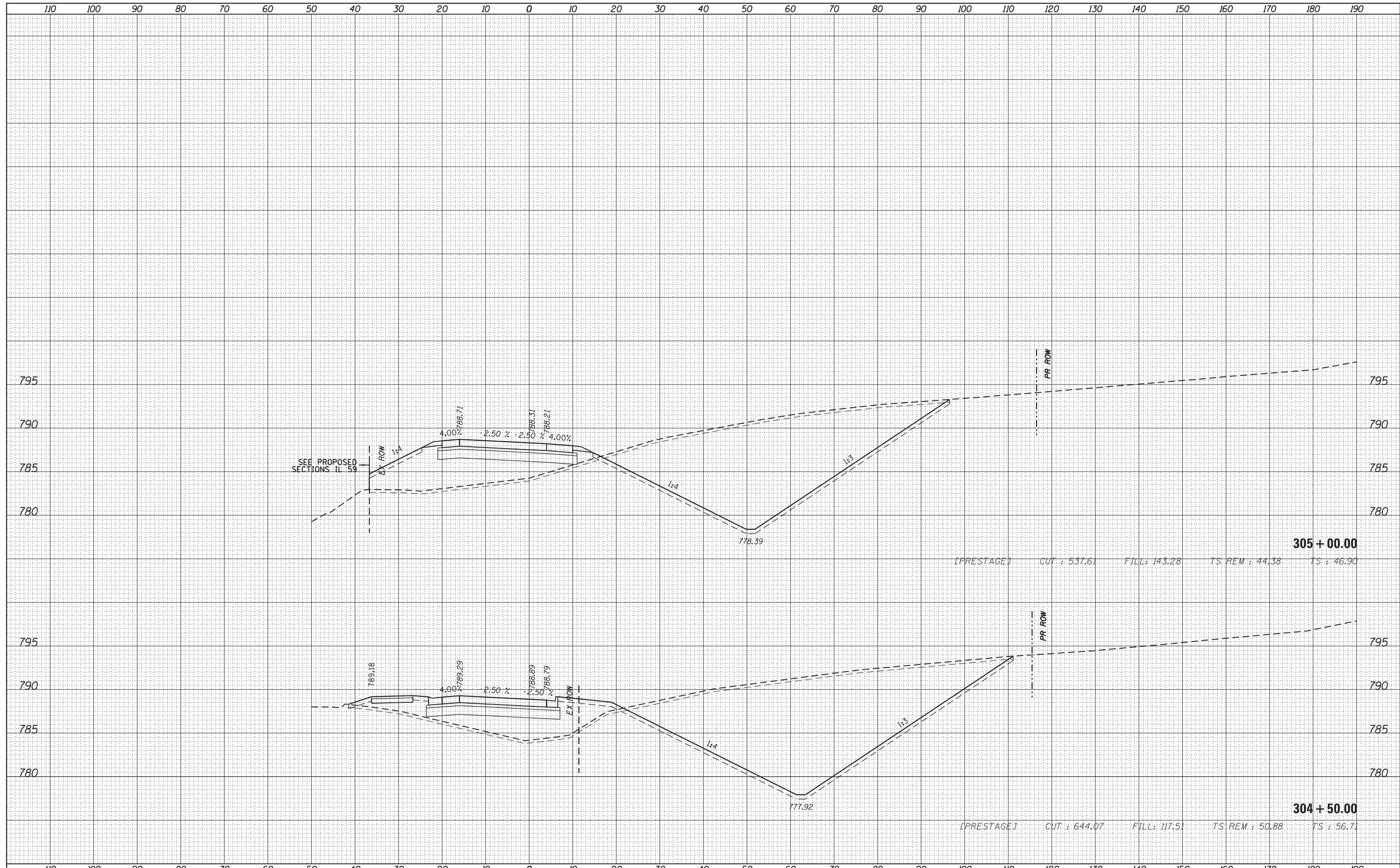
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP E			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	371			
		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
MODELNAME	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		SCALE: $\frac{1}{4}'' = 10'$	SHEET 1 OF 12 SHEETS	STA. 303+31.37 TO STA. 304+00.00	ILLINOIS FED. AID PROJECT				

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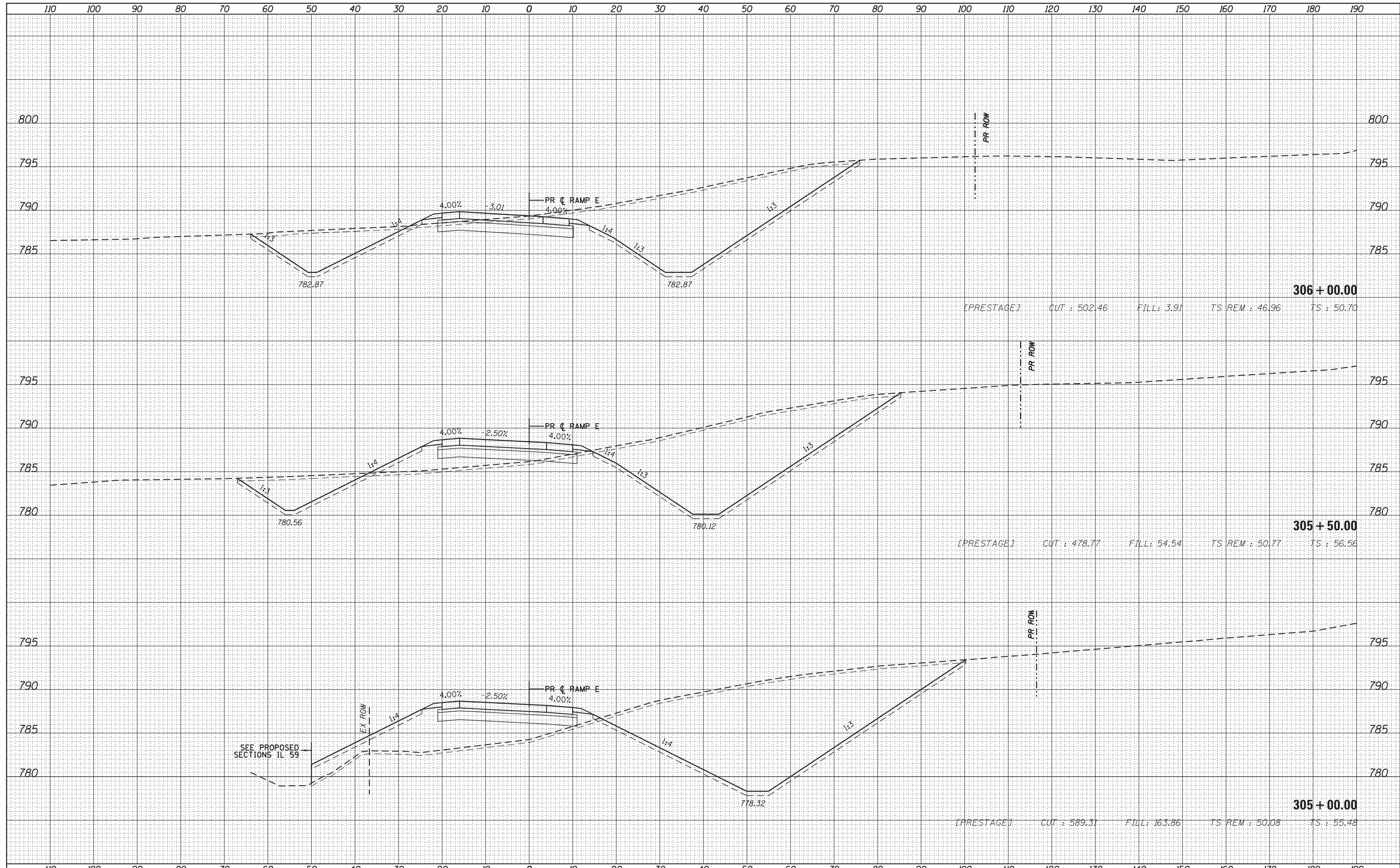
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP E			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	372			
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
MODELNAME	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -		SCALE: $\frac{1}{4}$: $\frac{1}{1}$ = $\frac{10}{5}$ SHEET 2 OF 12 SHEETS STA. 304+50.00 TO STA. 305+00.00 ILLINOIS FED. AID PROJECT							

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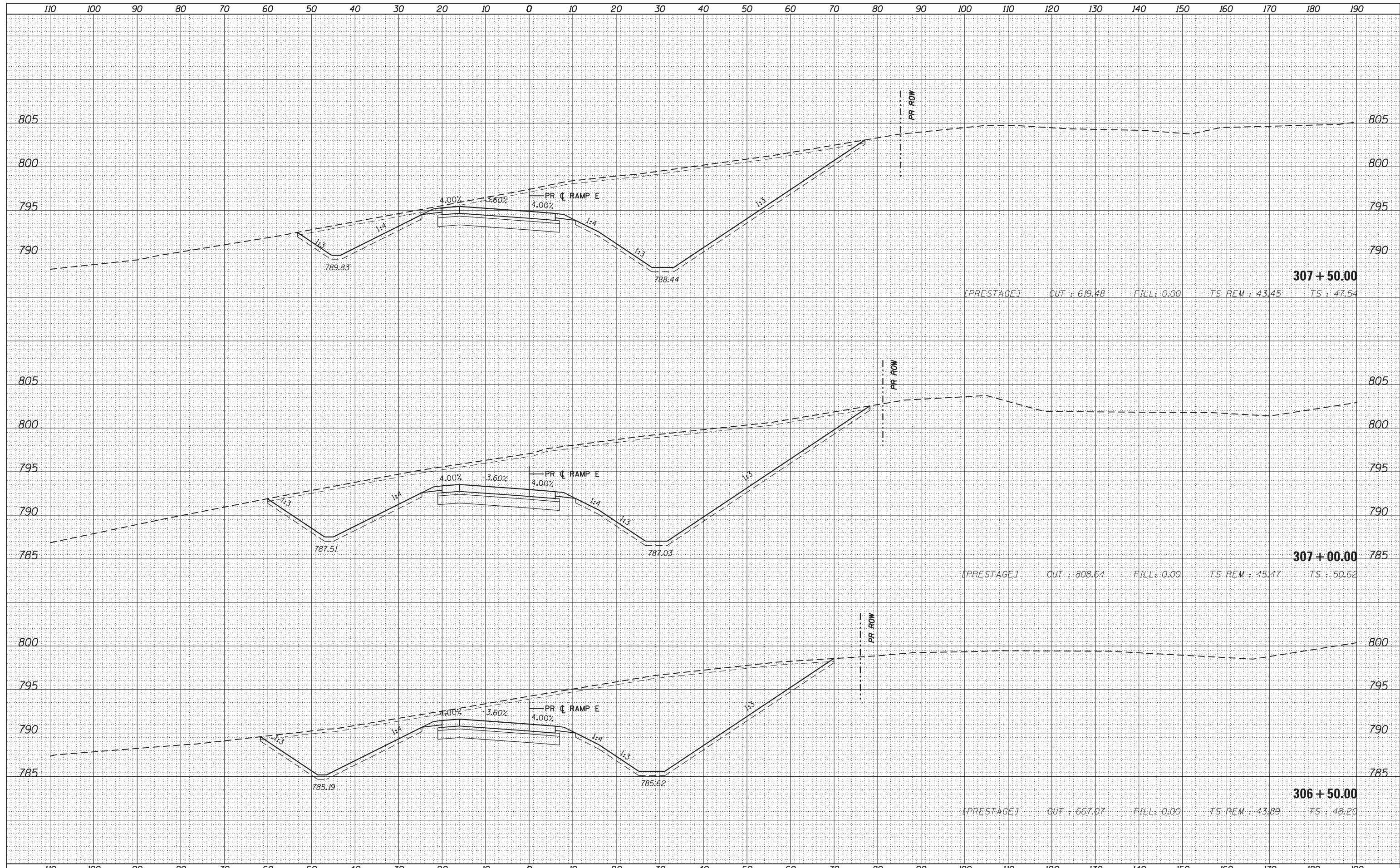
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP E			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#		DRAWN - BDC	REVISED -		345	7K-1(12)	COOK	384	373			
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -		CONTRACT NO. 60V57							
MODELNAME	PLOT DATE = 8/23/2017	DATE = 8/23/2017	REVISED -		SCALE: 1/4" = 1' = 10'	SHEET 3	OF 12 SHEETS	STA. 305+00.00	TO STA. 306+00.00	ILLINOIS FED. AID PROJECT		

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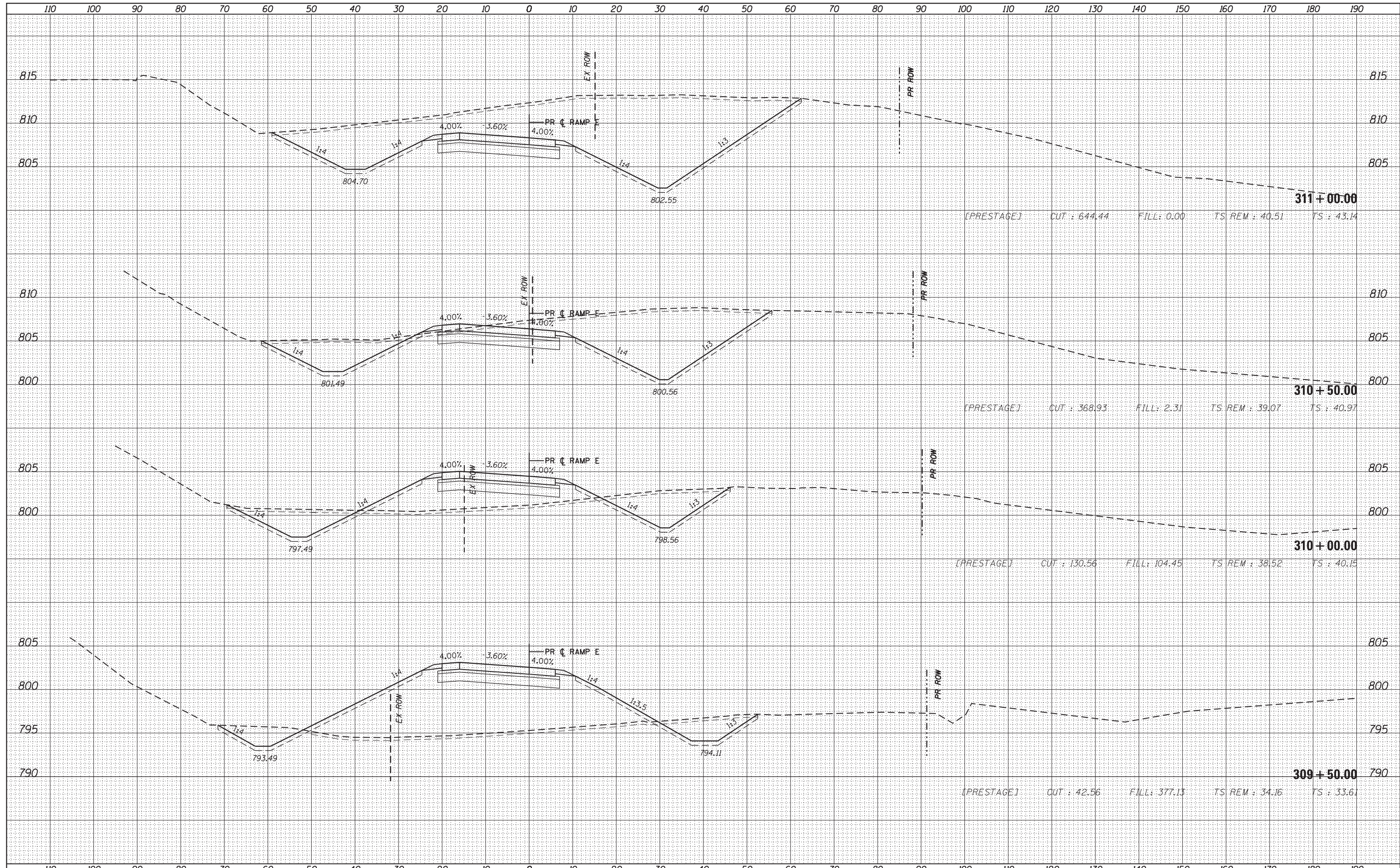
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP E	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	374	
PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
*MODELNAME#	PLOT DATE = 8/23/2017	DATE = 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1/4" = 1' = 10'		SHEET 4 OF 12 SHEETS		STA. 306+50.00 TO STA. 307+50.00			

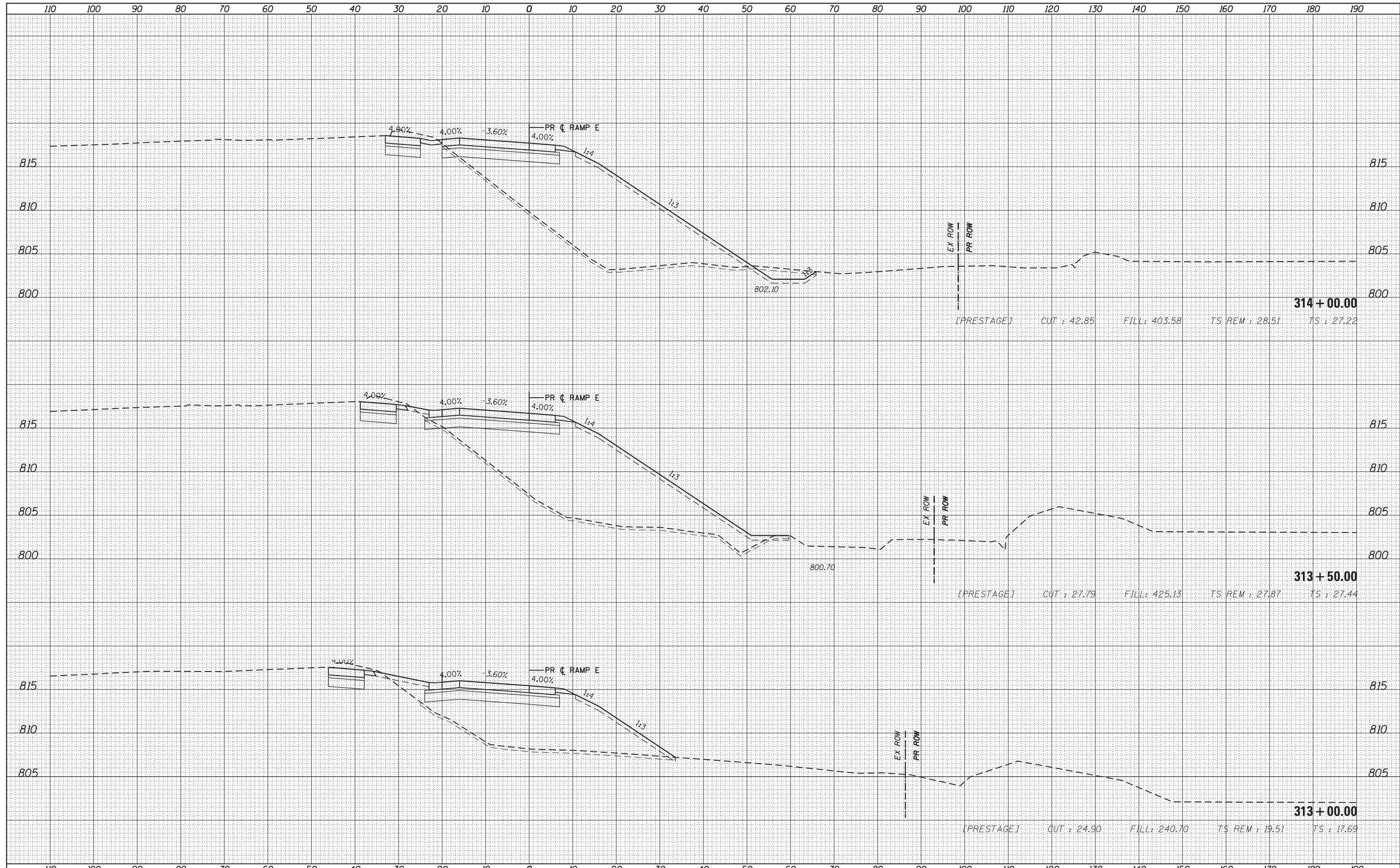
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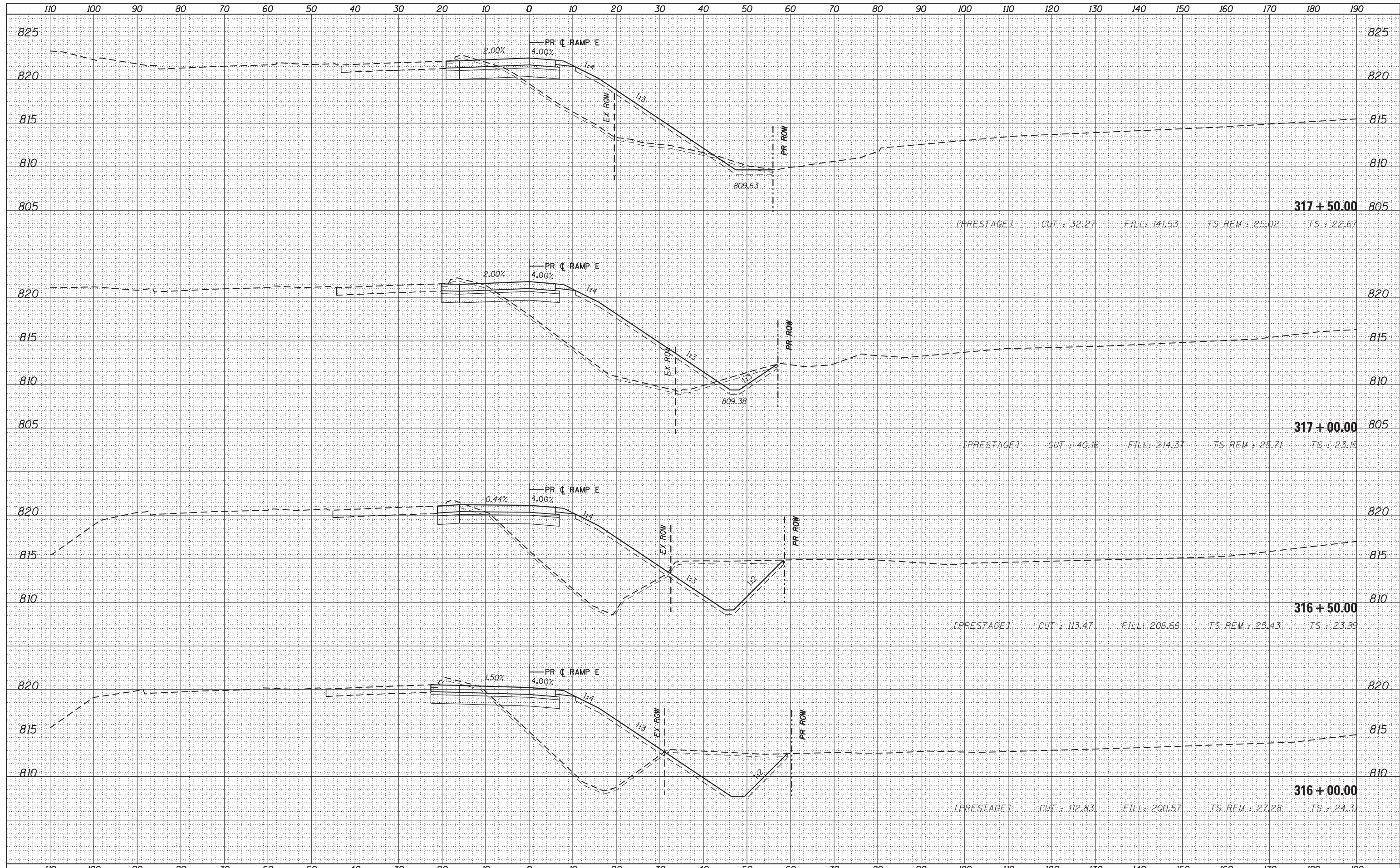


FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP E	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = *SCALE#		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
*MODELNAME#		DATE 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1/4" = 1' = 10' SHEET 8 OF 12 SHEETS STA. 313+00.00 TO STA. 314+00.00

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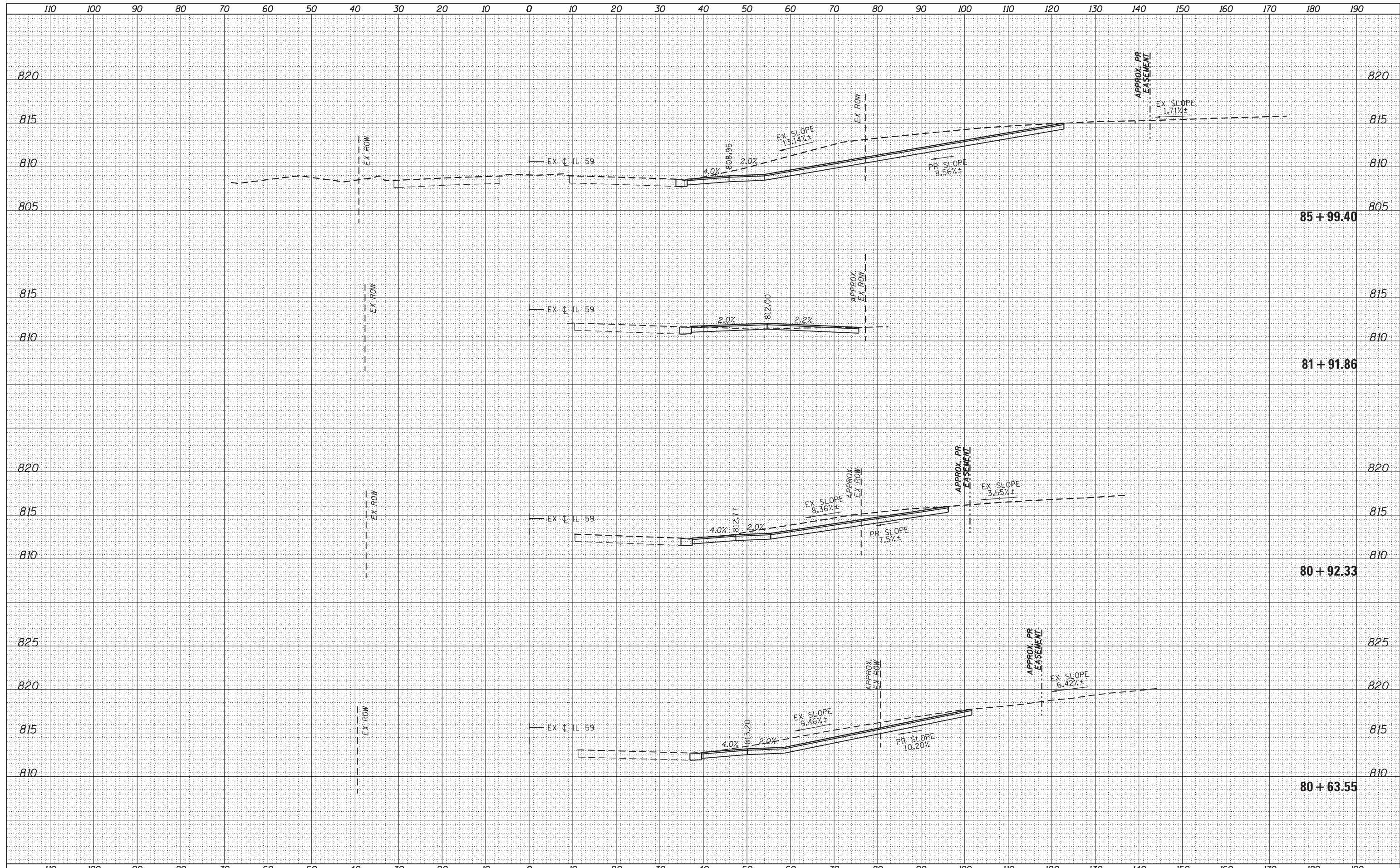
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FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - RAMP E	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	380	
PLOT SCALE = *SCALE*		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
MODELNAME		DATE 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1/4" = 10'	SHEET 10 OF 12 SHEETS		STA. 316+00.00 TO STA. 317+50.00			

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

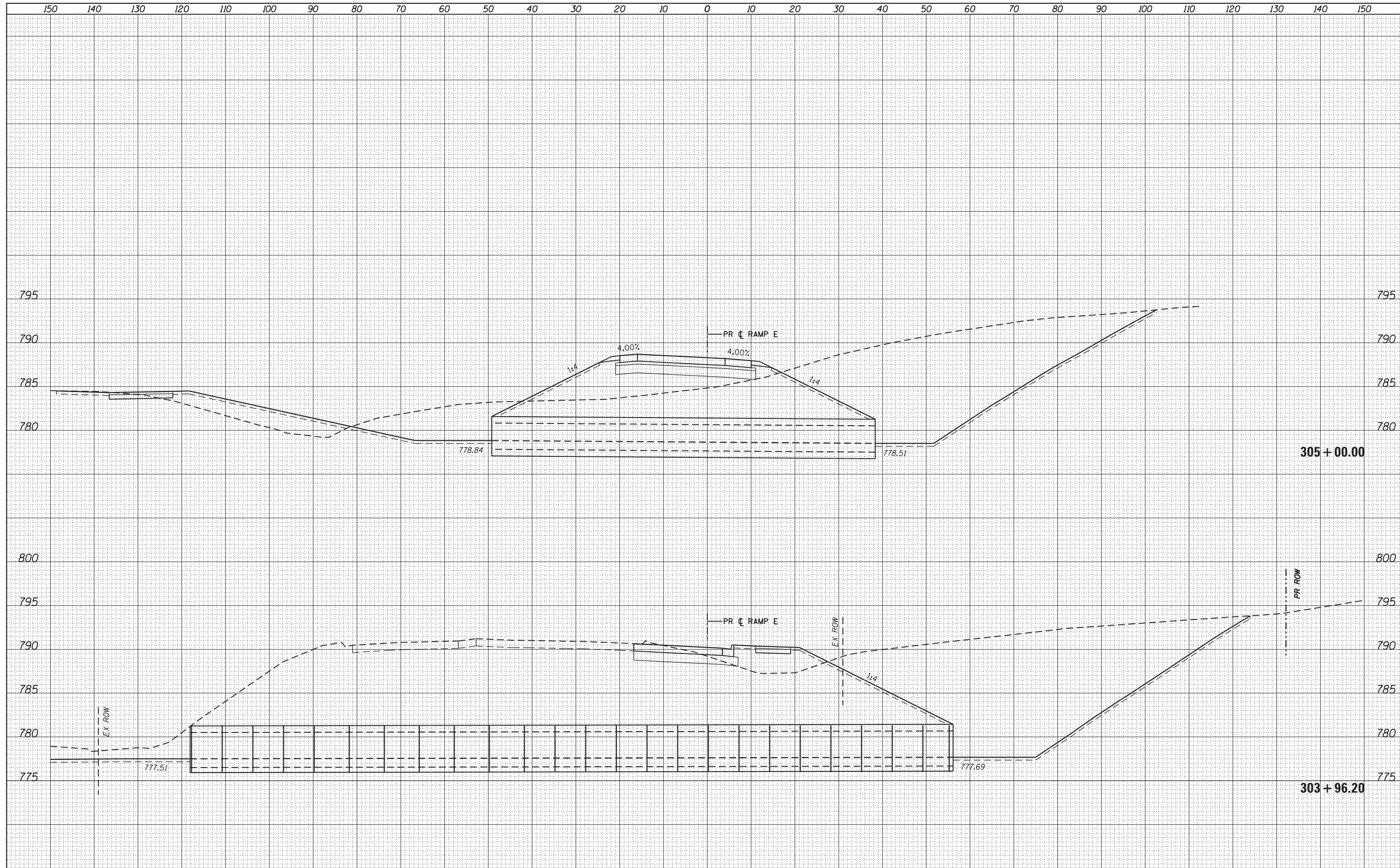
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - DRIVEWAYS			F.A. RTE. 345	SECTION 7K-1(12)	COUNTY COOK	TOTAL SHEETS 384	SHEET NO. 382
*FILEL#		DRAWN - BDC	REVISED -		SCALE: 1/4" = 1' = 10'	SHEET 1	OF 2 SHEETS	STA. 80+63.55	TO STA. 85+99.40	CONTRACT NO. 60V57		
		CHECKED - DDM	REVISED -		ILLINOIS FED. AID PROJECT							
*MODELNAME#		DATE - 8/23/2017	REVISED -									

DATE	
BY	
FINISHED	
DATE	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	



FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 59 (SUTTON ROAD) AT US 20 (LAKE STREET) CROSS SECTIONS - CULVERTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN - BDC	REVISED -			345	7K-1(12)	COOK	384	384	
*MODELNAME#		CHECKED - DDM	REVISED -			CONTRACT NO. 60V57					
	PLOT DATE = 8/23/2017	DATE - 8/23/2017	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: H: 1" = 10' V: 1" = 5' SHEET 1 OF 1 SHEETS STA. 303+96.20 TO STA. 305+00.00