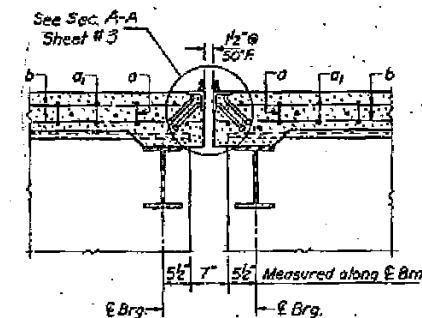
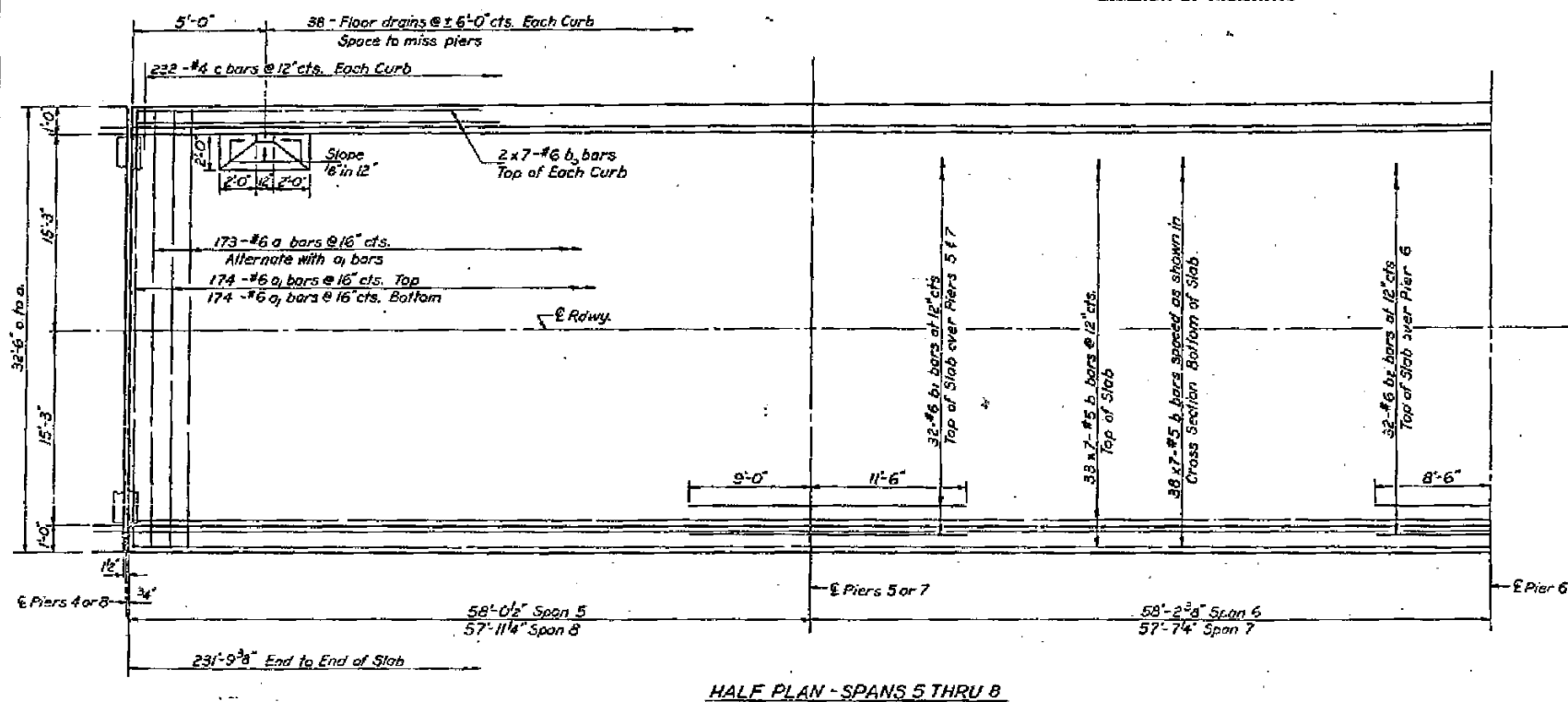


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
89	125VBR	41	11

SHEET NO. 5
18 SHEETS

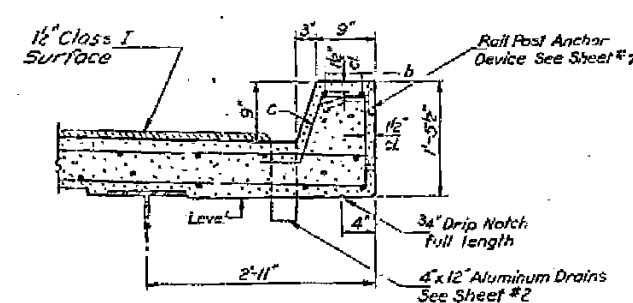
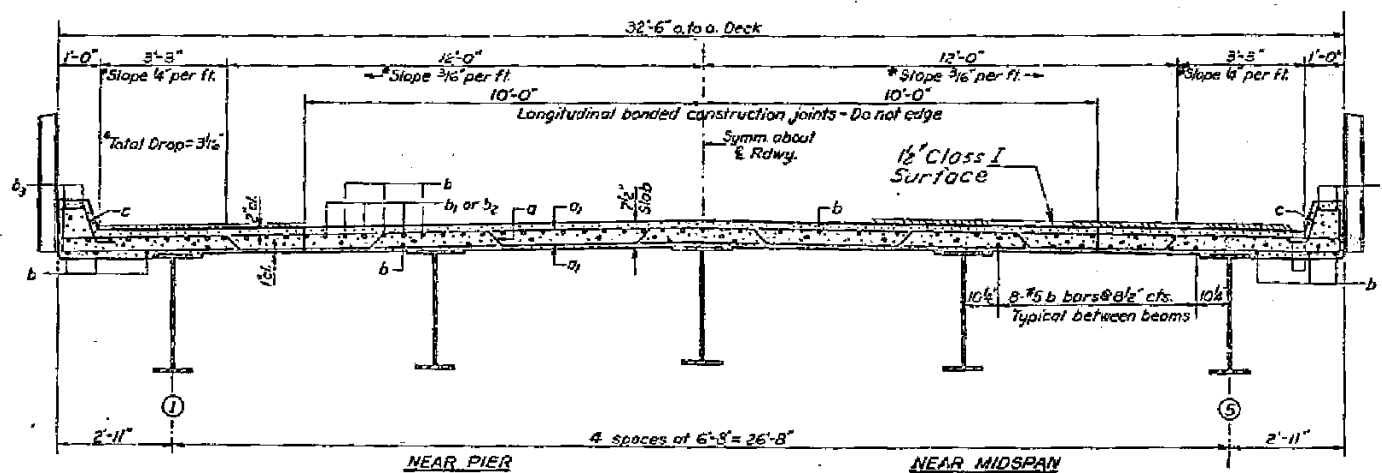
Note: Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.



SECTION AT PIER 8

NOTE: For Section of Pier 4 see Section D-D on sheet #4.

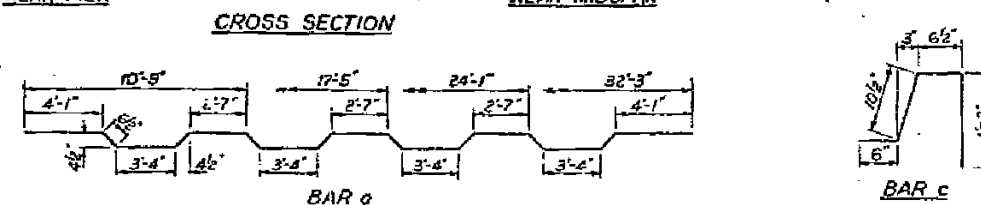
* For normal crown only. Varies in transition region from Sta. 295+68 to 297+18.



CURB SECTION
Slope Class I Surf. for drainage @ drain locations only.

Bar No.	Size	Length	Shape
a	#6	33'-7"	—
a1	#6	82'-3"	—
b	#5	34'-3"	—
b1	#6	27'-6"	—
b2	#6	17'-0"	—
b3	#6	34'-6"	—
c	#4	3'-1"	—
Class X Concrete		Qty 109.1	193.7
Reinforcement Bars		Lbs	48530

DESIGNED <i>Nai Hwang</i>	EXAMINED <i>June 3 1970</i>
CHECKED <i>John Tracer</i>	PASSED
DRAWN <i>J.L. Armstrong</i>	APPROVED
CHECKED <i>L.F.</i>	



SPANS 5 THRU 8
SUPERSTRUCTURE
S.B.I. RT. 89 SEC. 125 VBR
MARSHALL COUNTY
STA. 295+98.76

FILE NAME = v:\transportation\3013\cadd\sheet\06220086-68580-106 -EXISTING PLANS.dgn	USER NAME = jdeen	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 / IN.	DRAWN -	REVISED -	REVISED -
PLOT DATE = 7/25/2013	CHECKED -	REVISED -	REVISED -
	DATE - JULY 24, 2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

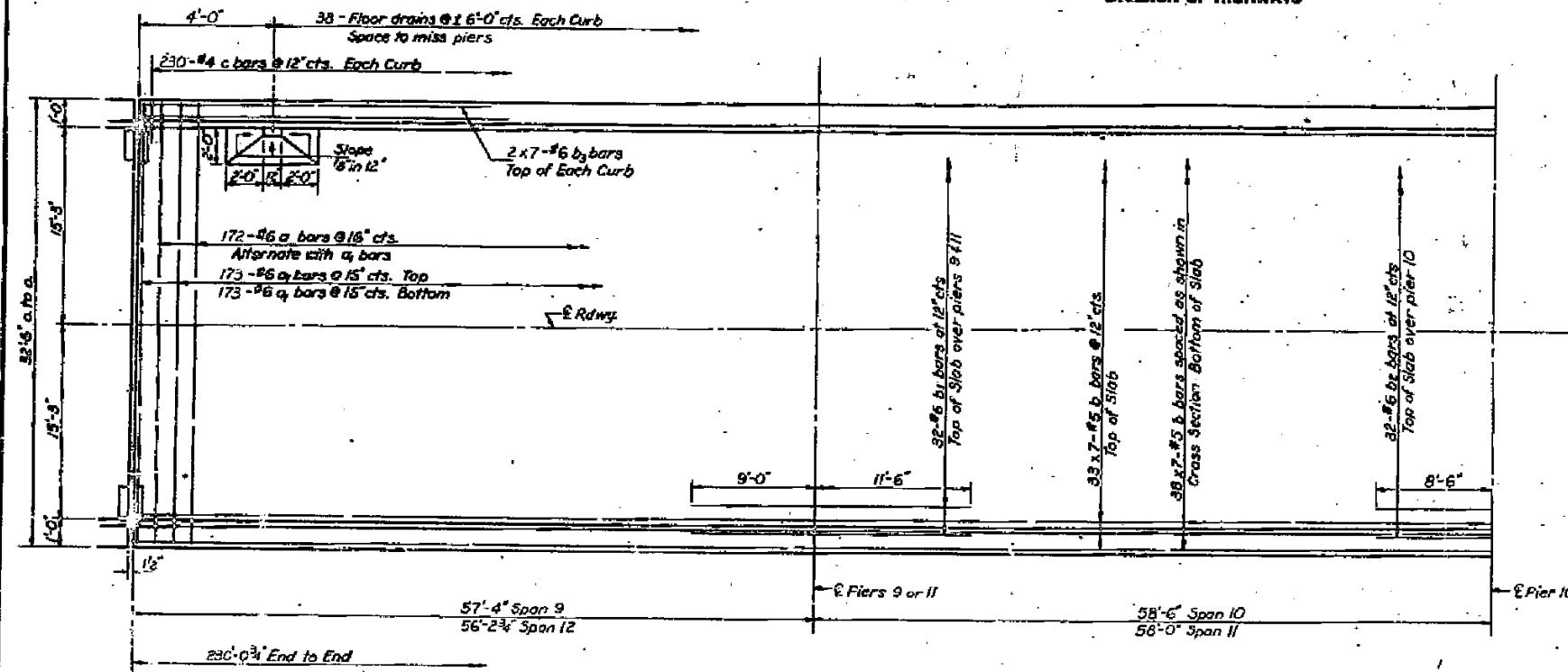
SCALE: SHEET NO. 14 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	101
CONTRACT NO. 68580			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

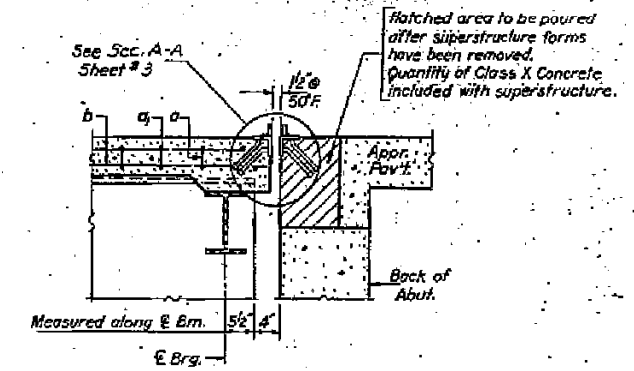
Note: Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line. Min. bar laps = 24 dia.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	125VBR	COUNTY	MARSHALL	SHEET NO.	41	OF	12
18 SHEETS							

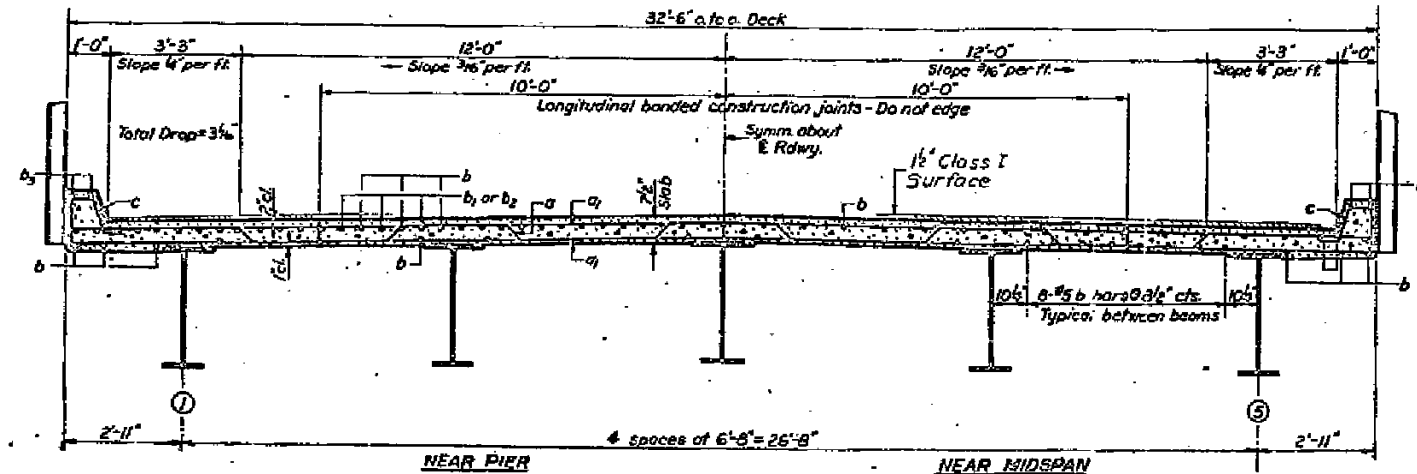


HALF PLAN - SPANS 9 THRU 12

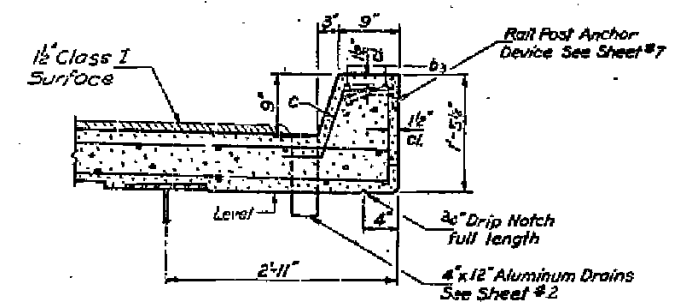


SECTION AT SOUTH ABUT.

NOTE: See sheet #5 for Section of Pier 8.



CROSS SECTION

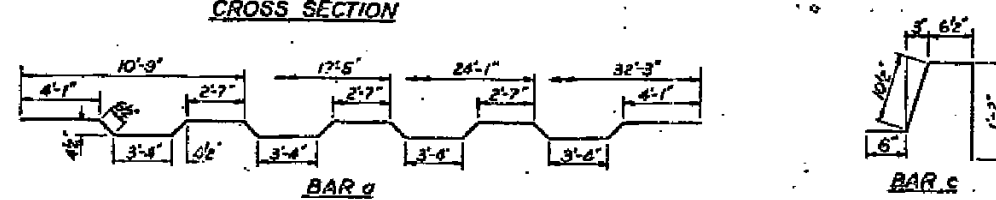


CURB SECTION

Slope Class I Surf. for drainage @ drain locations only.

BILL OF MATERIAL				
Bar	No.	Size	Length	Weight
a	172	#5	33'-7"	
av	346	#5	32'-3"	
b	497	#5	34'-3"	
b1	64	#6	20'-6"	
b2	32	#6	17'-0"	
ba	28	#6	34'-6"	
c	460	#4	3'-7"	J1
Class X Concrete			Cu Yds	193.6
Reinforcement Bars			Lbs.	40,370

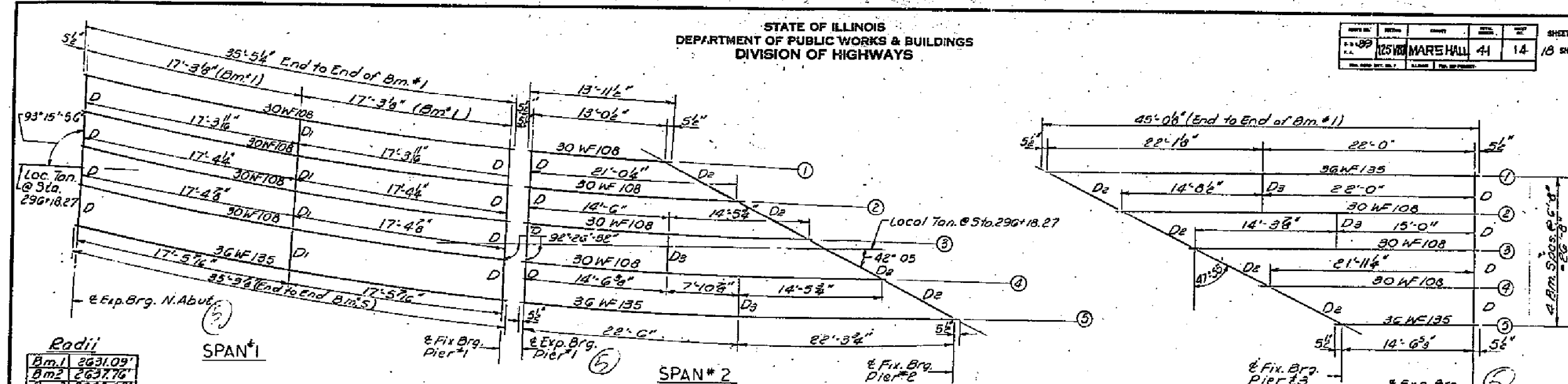
DESIGNED	W.H. Hoop	DATE	JULY 3 1970
DRAWN	Alvin Coates	CHECKED	J.L. Armstrong
APPROVED	J.L. Armstrong	DATE	JULY 24, 2013



SPANS 9 THRU 12
SUPERSTRUCTURE
S.A.I. RT. 69 SEC. 125 VBR
MARSHALL COUNTY
STA. 295 + 93.75

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

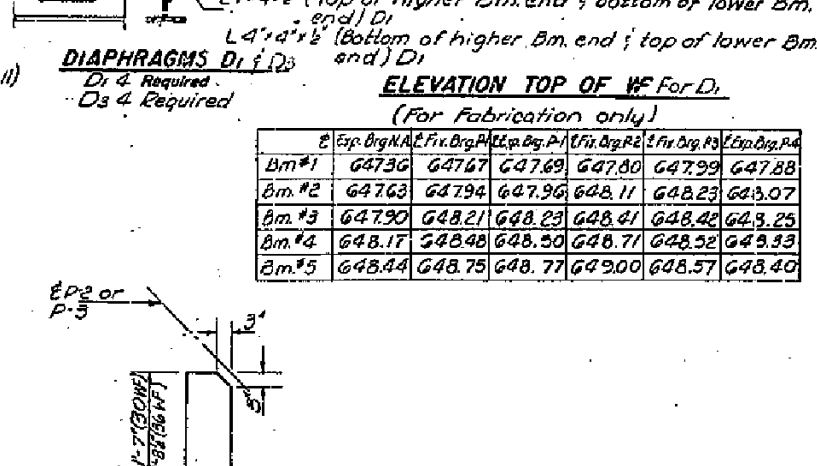
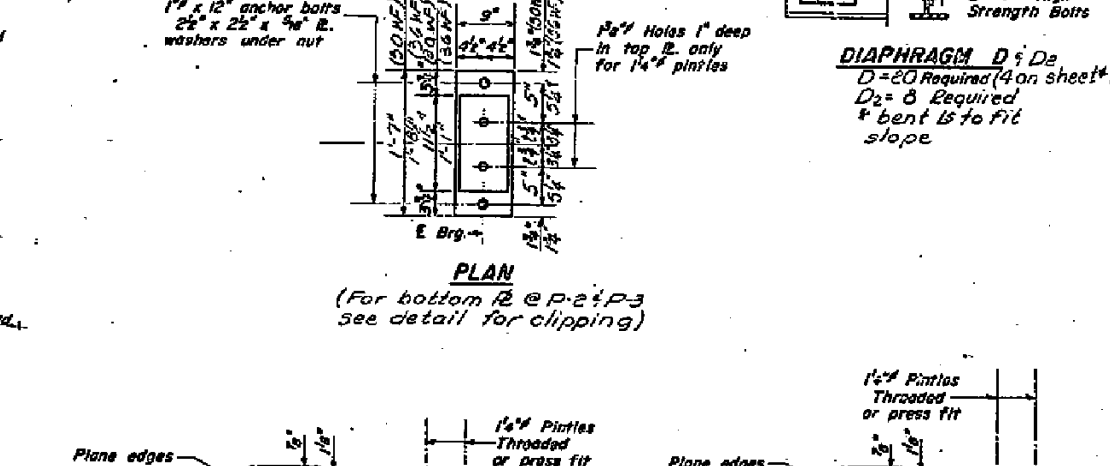
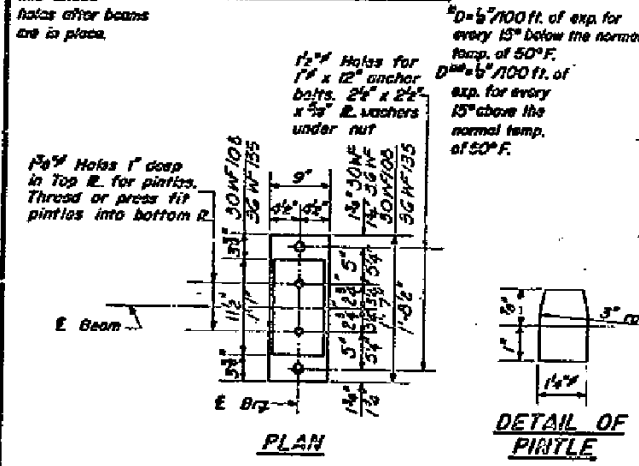
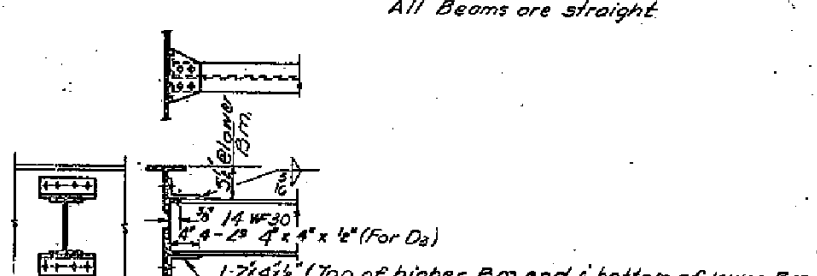
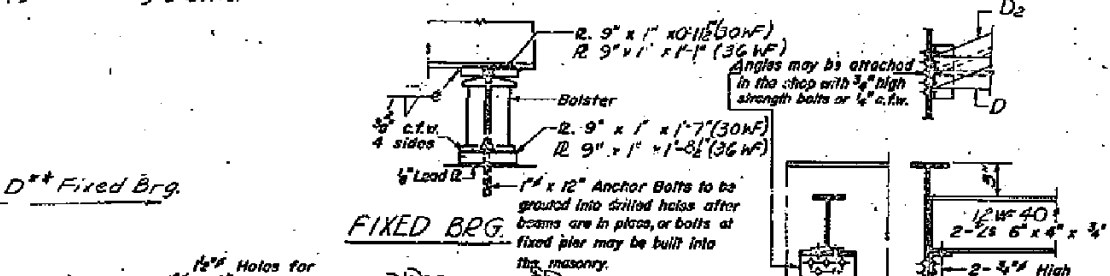
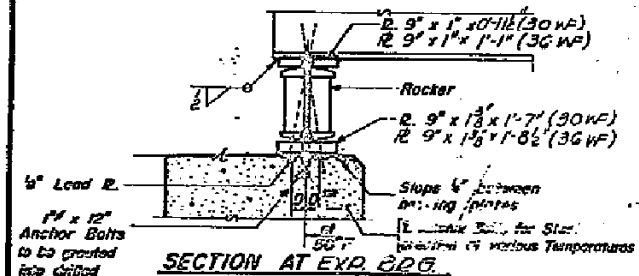
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
125VBR	MARSHALL	41	14	18



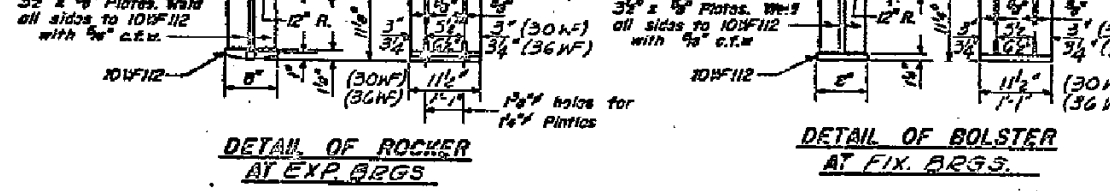
Radii

Bm.1	2631.09'
Bm.2	2637.76'
Bm.3	2644.42'
Bm.4	2651.08'
Bm.5	2657.75'

Notes: (For Spans 1 & 2 only)
All Bms. are spaced @ 6'-8" cts. along radial lines. Horiz. dimensions are given along E Bms.



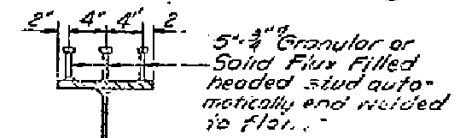
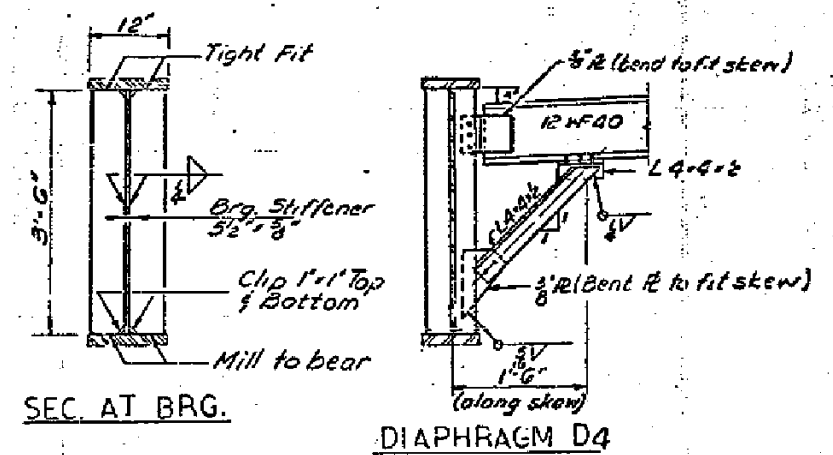
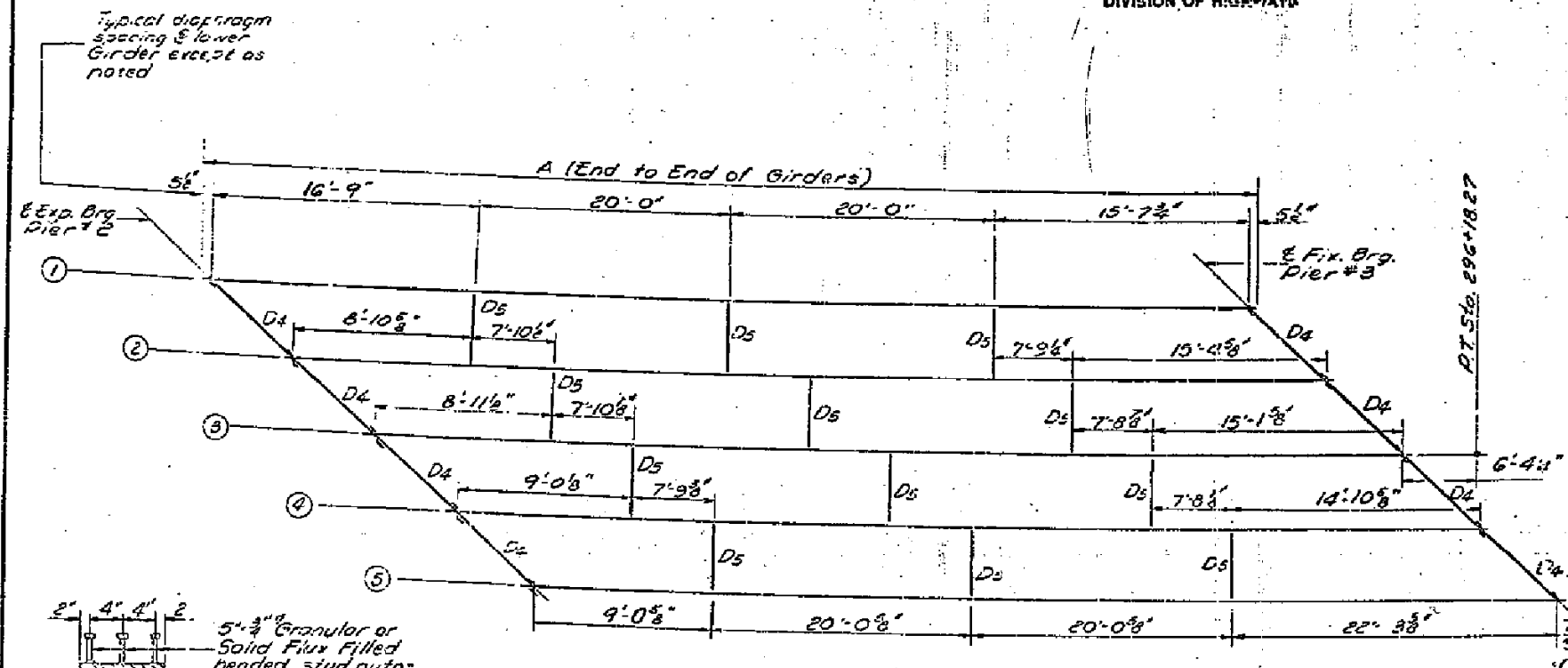
DESIGNED BY: Lynn Trasco
DRAWN BY: Lynn Trasco
CHECKED BY: F. Mercado
DATE: June 3 '70



SPANS 1, 2 & 4
STRUCTURAL STEEL
S.B.I. RT. 89 SEC. 125 V.B.R.
MARSHALL COUNTY
STA. 295+98.75

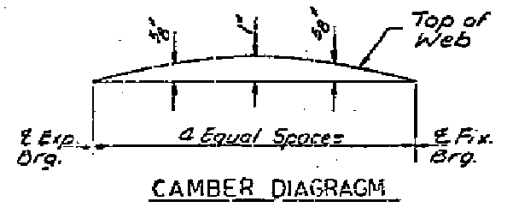
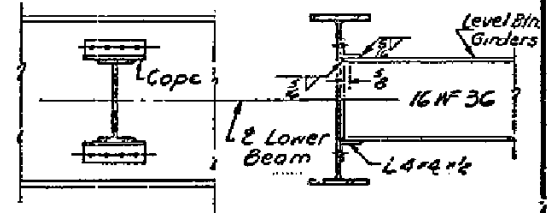
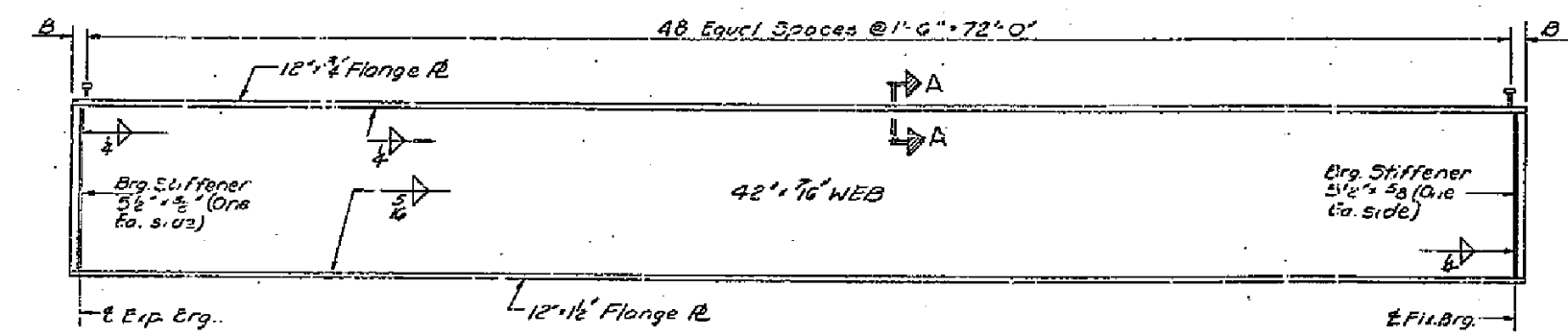
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SHEET NO. 9A	
2500 MARSHAL 41	15A
6 SHEETS	



PLAN

All Girders are spaced @ 6'-8" cts. along radial lines.
Horizontal dimensions are given along E of Girders.



DESIGNED: <i>W. H. H. H.</i>	EXAMINED: <i>W. H. H. H.</i>
CHECKED: <i>Lynn Trice</i>	PARSED: <i>W. H. H. H.</i>
DRAWN: <i>F. Mercado</i>	APPROVED: <i>W. H. H. H.</i>
CHECKED: <i>L. T.</i>	

TABLE OF RADIUS VALUES OF A & B

Radius	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5
A	73'-3 3/4"	73'-0 3/4"	72'-9 1/4"	72'-7 1/4"	72'-4 1/4"
B	7 1/8"	6 3/8"	2 1/2"	3 3/8"	2 1/4"

TOP OF WEB ELEVATION

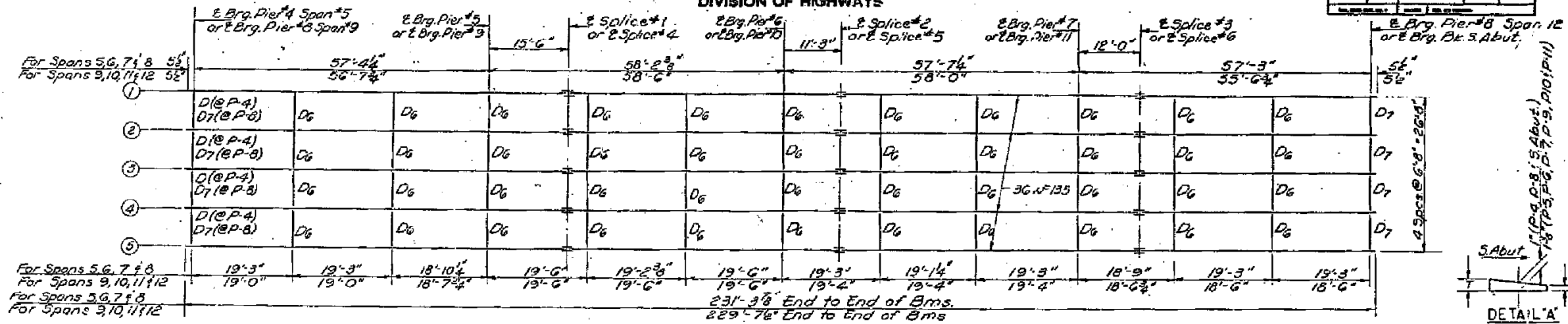
	Exp. P2	Exp. P3
Girder 1	647.74	647.94
Girder 2	648.05	648.17
Girder 3	648.35	648.56
Girder 4	648.65	648.42
Girder 5	648.95	648.59

Notes: For Brg. Detail See Sheet #10

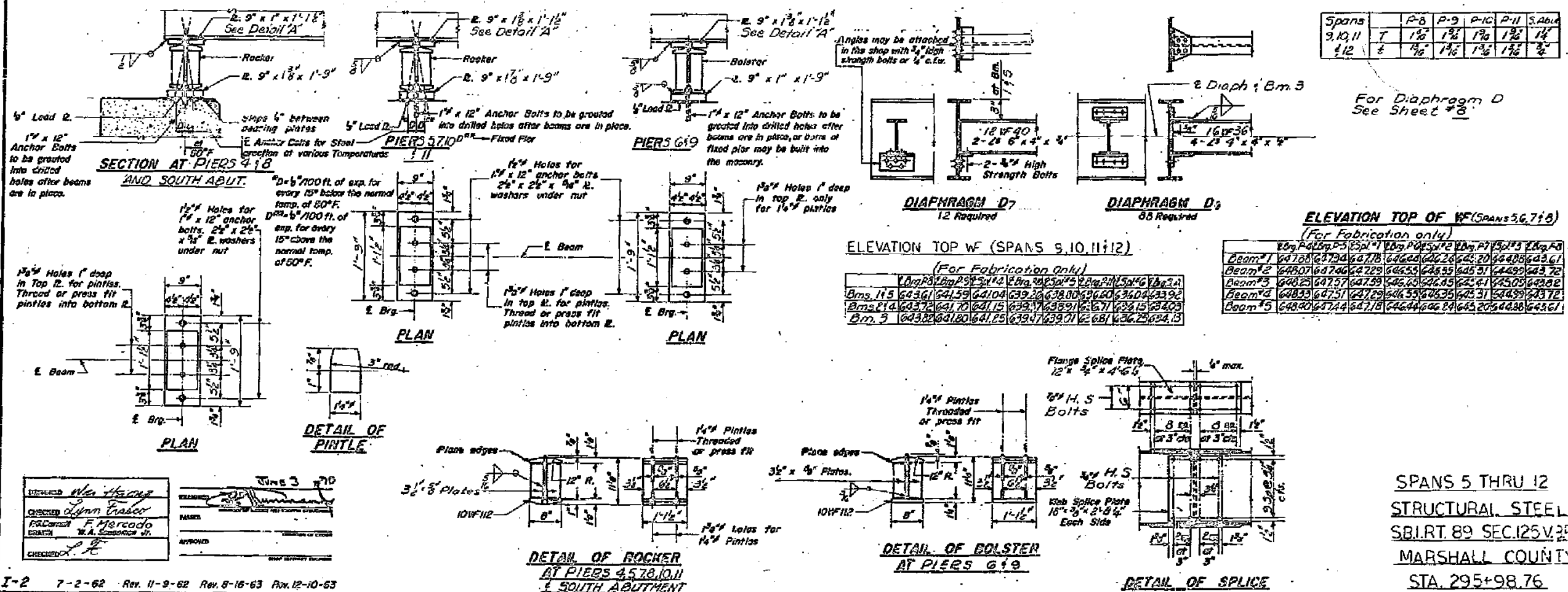
AS REV. 6-1-71 WH
SPAN 3-DETAILS OF
STRUCTURAL STEEL
S.B.I. RT. 89 SEC. 125V.B.R.
MARSHALL COUNTY
STA. 295+98.75

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	4.17.18	SHEET NO.	11
BY	W.D. MARSHALL	NO.	18



PLAN

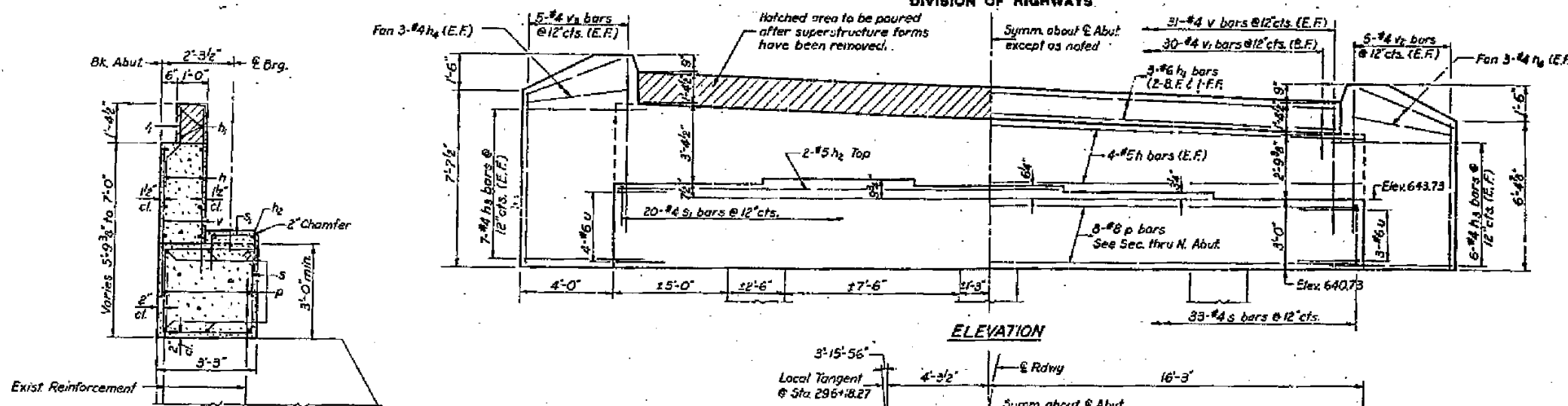


DESIGNED *Wm. H. ...*
CHECKED *Wm. H. ...*
DRAWN *F. Mercado*
DATE *JUN 3 '10*

SPANS 5 THRU 12
STRUCTURAL STEEL
S.B.I.R.T. 89 SEC. 125V.3R
MARSHALL COUNTY
STA. 295+98.76

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

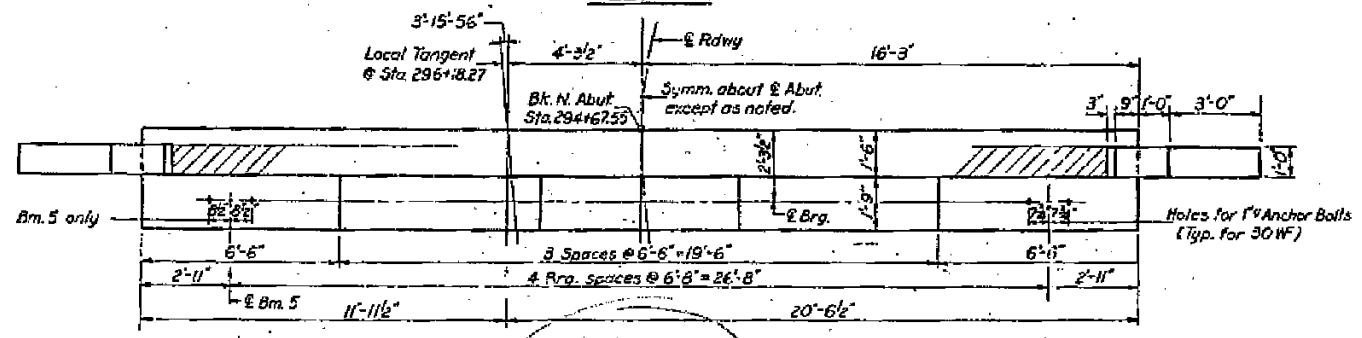
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COUNTY	MARSHALL	DATE	4-1-10



SEC. THRU NORTH ABUT.

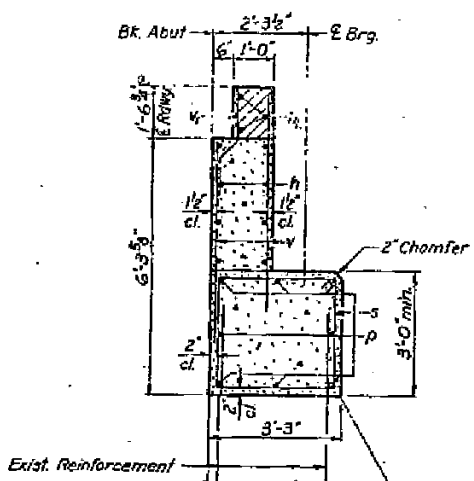
ELEVATION

SEC. THRU WING WALL
(Bend v₁ or v₂ bars in field to fit section if necessary.)

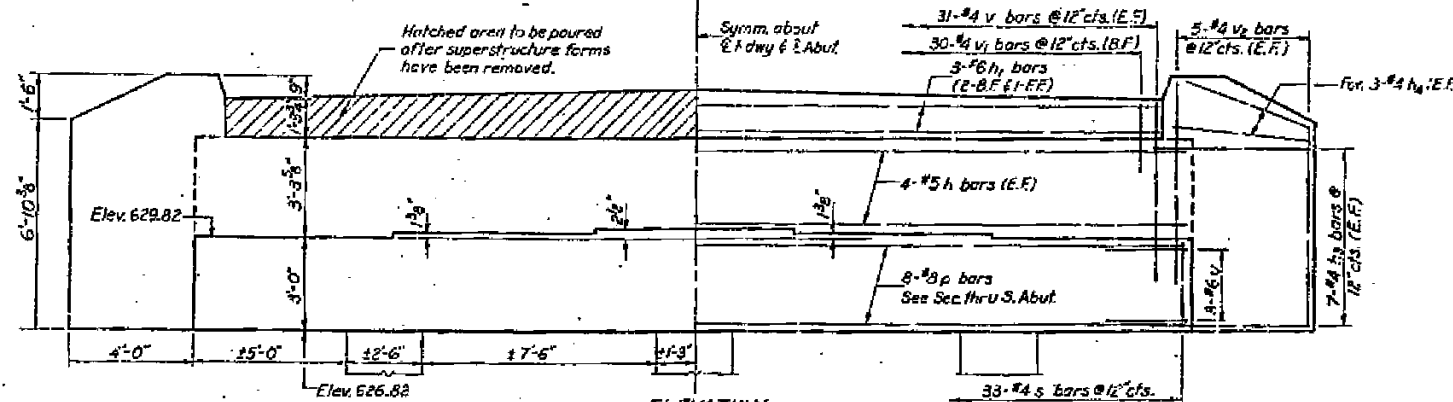


PLAN - NORTH ABUT.

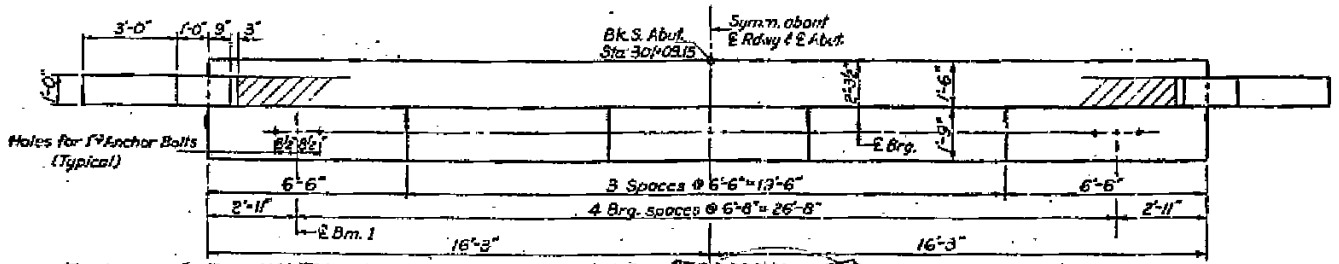
Remove the existing concrete from top of Abut. to the bottom of new cap. The existing vertical reinforcement which will be embedded in new concrete shall be cleaned and cut off 2'-6" above bottom of new cap. The other vertical reinforcement shall be cut off flush with bottom of new cap and covered with cement mortar.



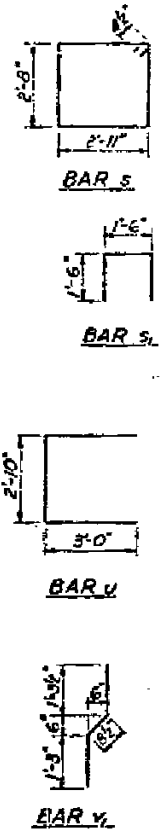
SEC. THRU SOUTH ABUT.



ELEVATION



PLAN - SOUTH ABUT.



TWO ABUTS.
BILL OF MATERIAL

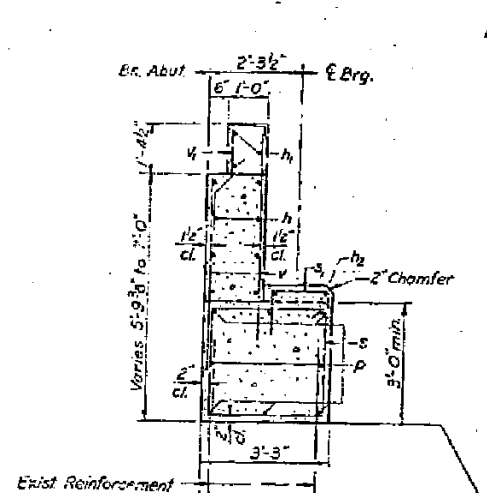
Bar No.	Size	Length	Usage
h	16 #4	32'-3"	
h ₁	6 #6	31'-3"	
h ₂	2 #5	19'-3"	
h ₃	5 #4	5'-3"	
h ₄	2 #4	4'-6"	
p	16 #8	32'-3"	
s	66 #4	11'-11"	
s ₁	20 #4	4'-6"	
u	13 #6	8'-10"	
v	12 #6	5'-6"	
v ₁	60 #4	3'-3"	
v ₂	30 #4	7'-6"	
v ₃	10 #4	6'-9"	
Class K Concrete		Cu Yds.	41.7
Reinforcement Bars		Lbs.	3150
Concrete Removal		Cu Yds.	1.7

DESIGNED	W. H. Hines	EXAMINED	[Signature]
CHECKED	John Cosco	PASSED	[Signature]
DRAWN	J. L. Armstrong	APPROVED	[Signature]
CHECKED	L. P.		

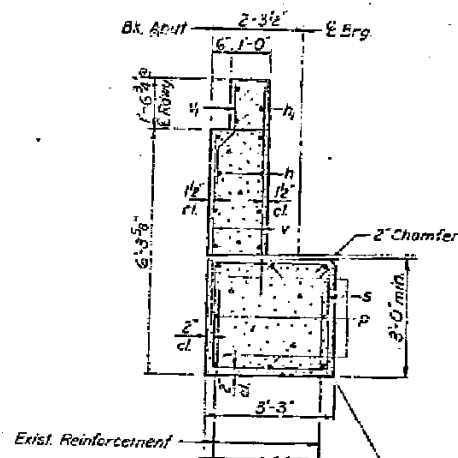
ABUTMENTS
S.B.I. RT. 89 SEC. 125 VBR
MARSHALL COUNTY
STA. 295 + 98.76

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

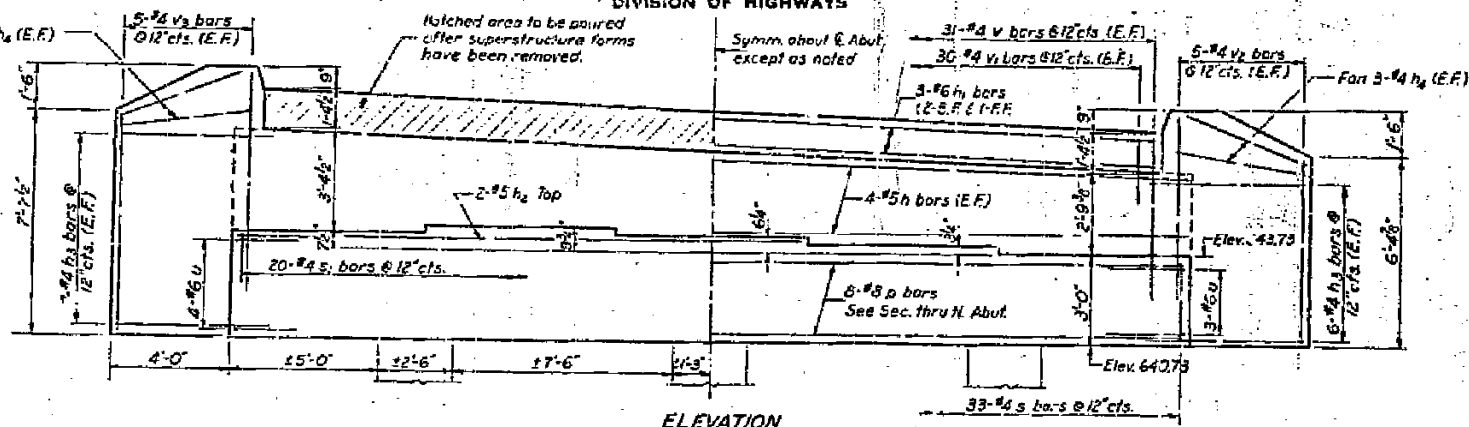
PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
125VBR	MARSHALL 41	18A	18



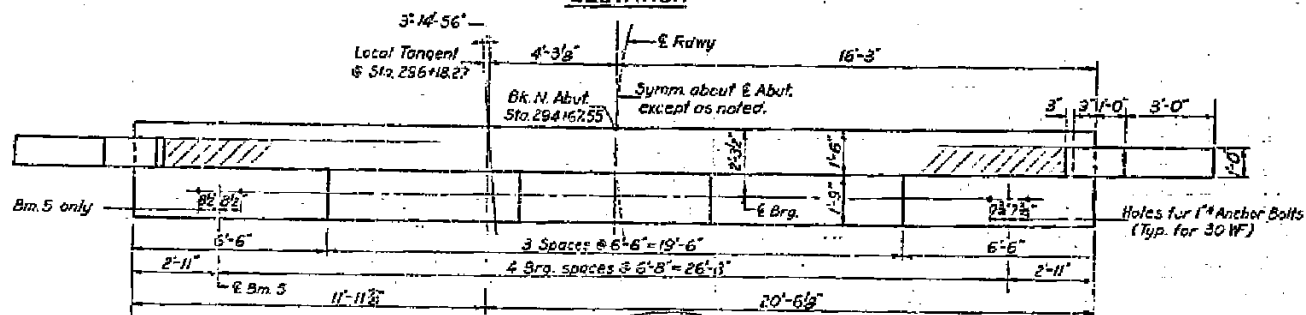
SEC THRU NORTH ABUT



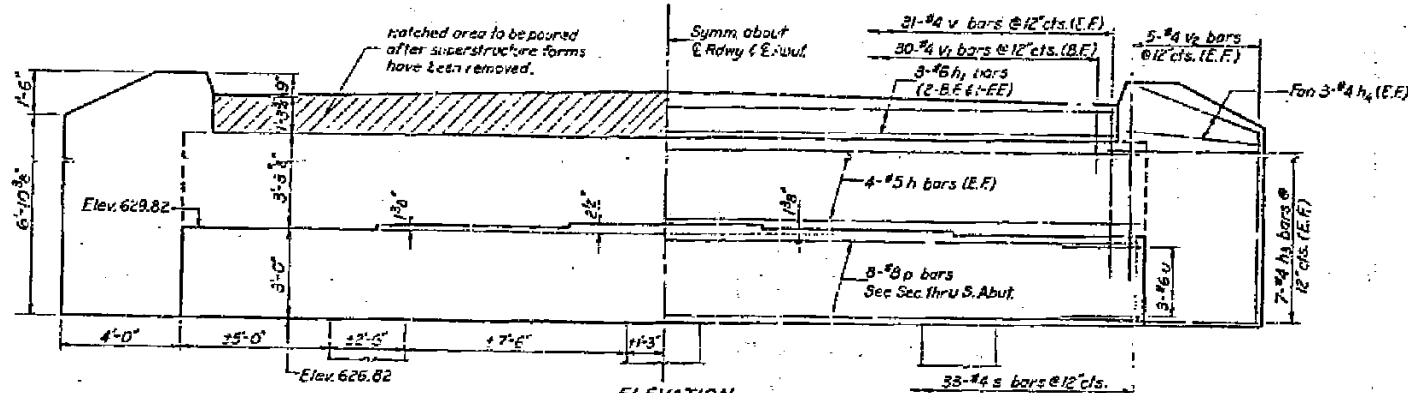
SEC THRU SOUTH ABUT



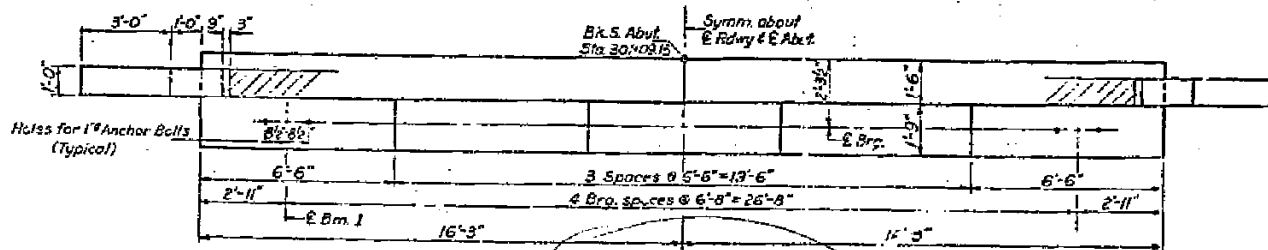
ELEVATION



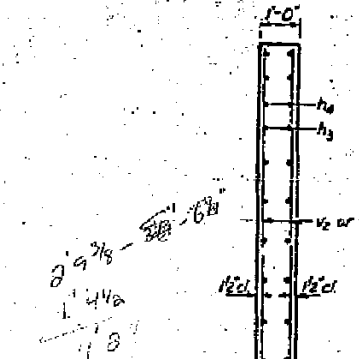
PLAN - NORTH ABUT.



ELEVATION



PLAN - SOUTH ABUT.

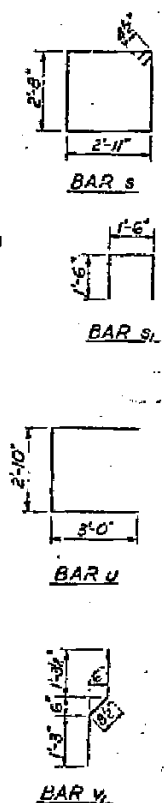


SEC THRU WING WALL
(Bend v_2 or v_3 bars in field to fit section if necessary.)

Remove the existing concrete from top of Abut. to the bottom of new cap. The existing vertical reinforcement which will be embedded in new concrete shall be cleaned and cut off 2'-6" above bottom of new cap. The other vertical reinforcement shall be cut off flush with bottom of new cap and covered with cement mortar.

TWO ABUTS.
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	16	#4	32'-3"	—
h ₁	6	#6	3'-3"	—
h ₂	2	#5	19'-3"	—
h ₃	54	#4	5'-3"	—
h ₄	24	#4	4'-6"	—
p	16	#8	32'-3"	—
s	66	#4	11'-11"	□
s ₁	20	#4	4'-6"	□
v	13	#6	8'-10"	—
v ₁	124	#4	5'-6"	—
v ₂	60	#4	3'-3"	—
v ₃	30	#4	7'-6"	—
v ₄	10	#4	6'-9"	—
Class X Concrete				Cu.Yds 417
Reinforcement Bars				Lbs. 3850
Concrete Remove!				Cu.Yds 17

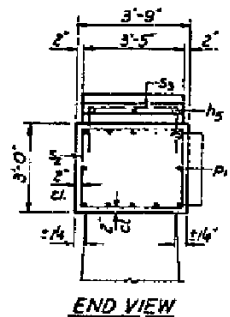


DESIGNED	W. H. Hays	EXAMINED	June 3 1970
CHECKED	L. J. Armstrong	PASSED	
DRAWN	J. L. Armstrong	APPROVED	
CHECKED	L. F. ...		

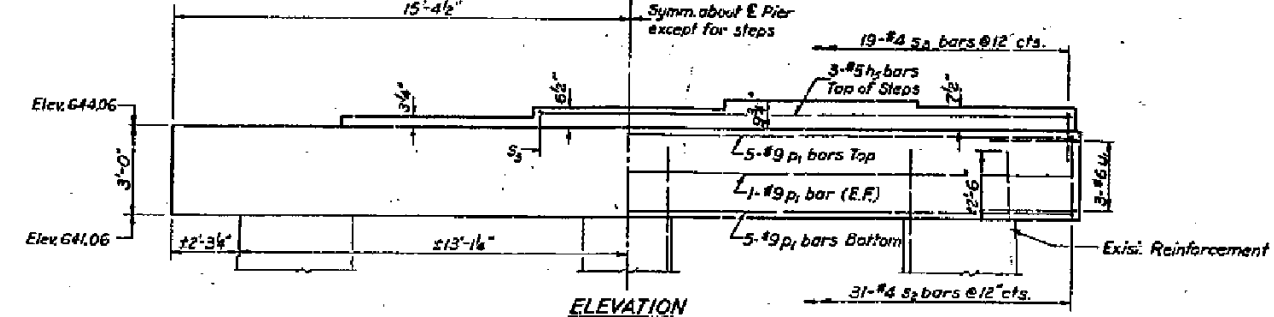
AS REV. 6-1-71 WH
ABUTMENTS
S.B.I. RT. 89 SEC. 125 VBR
MARSHALL COUNTY
STA. 295 + 98.76

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

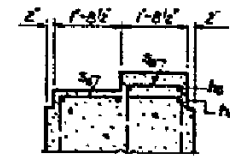
Sheet No.	69	Project No.	125VBR	Section	41	Sheet	19
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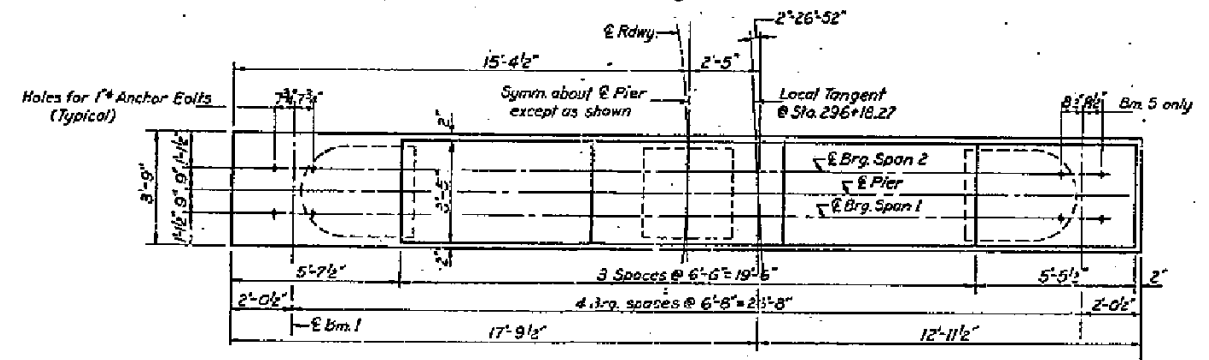
END VIEW



ELEVATION
Looking South



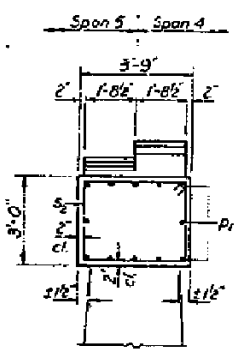
SECTION A-A



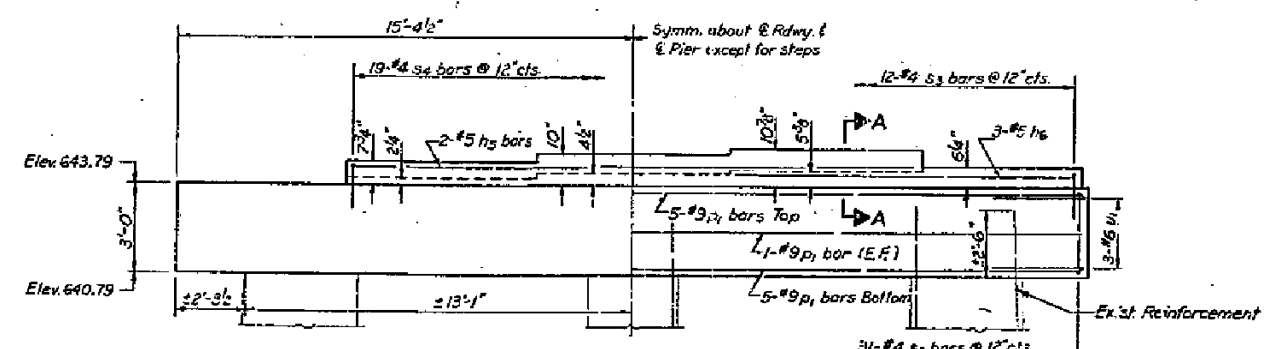
PLAN - PIER 1

NOTE: Remove existing concrete from top of pier to bottom of new cap. Existing vertical reinforcement in columns shall be cleaned and cut off ± 2'-6" above bottom of new cap. The horizontal tie bars shall be cleaned and left in place.

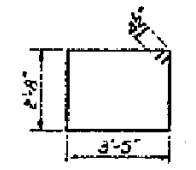
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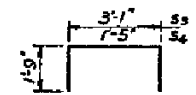
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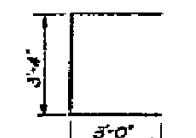
ELEVATION
Looking South



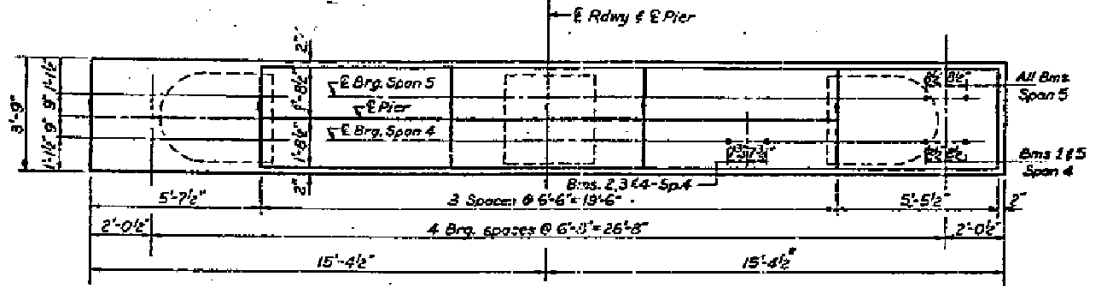
BAR S2



BAR S3 & S4



BAR V1



PLAN - PIER 4

TWO PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Qty
h3	5	#5	18'-3"	1
h6	3	#5	11'-9"	1
Di	24	#9	30'-6"	1
S2	62	#6	12'-11"	1
S3	31	#6	6'-7"	1
S4	19	#6	6'-11"	1
V1	12	#6	9'-4"	1

Class # Concrete Cu Yds 2: 2
Reinforcement Bars Lbs 35:0
Concrete Removal Cu Yds 3:*

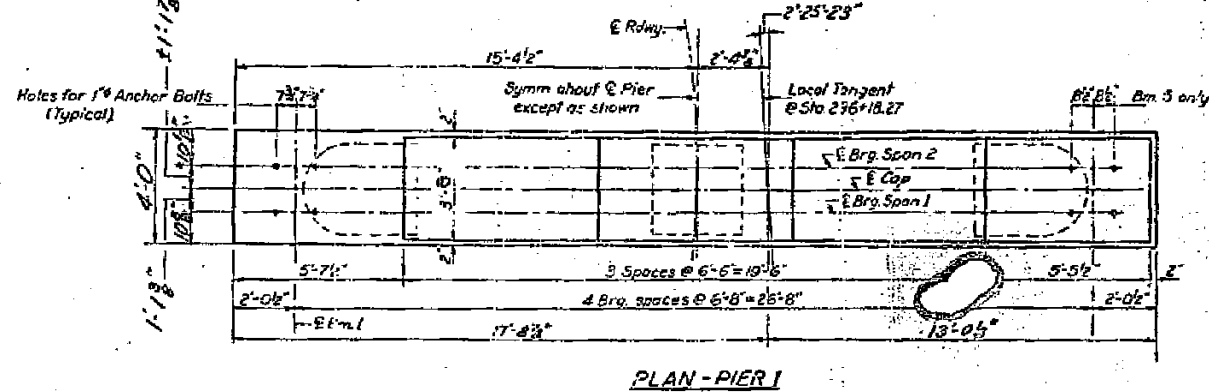
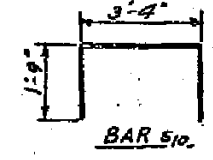
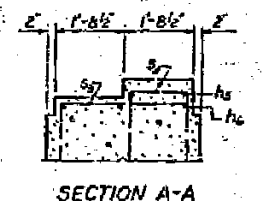
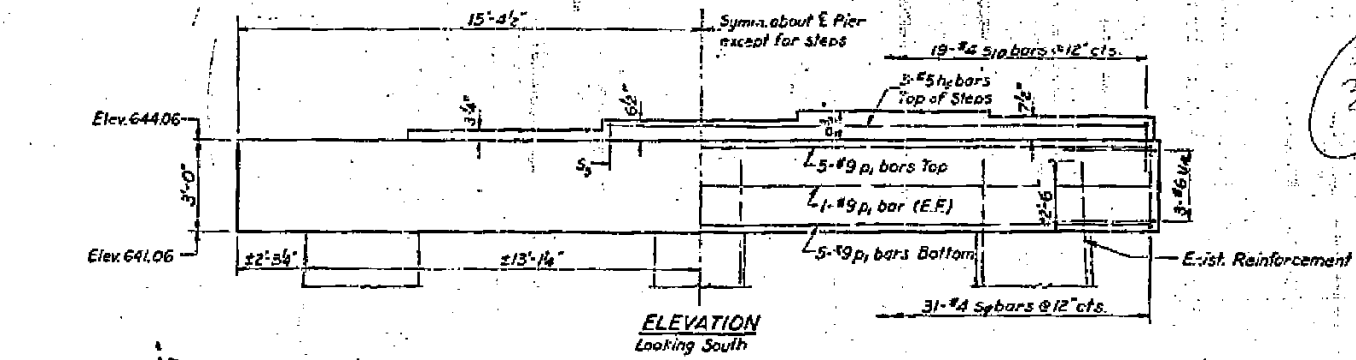
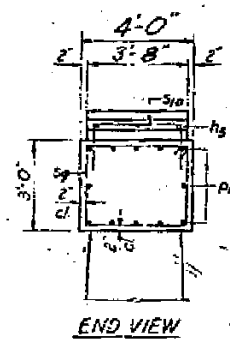
PIERS 1 & 4
SBI RT 69 SEC. 125 VCR
MARSHALL COUNTY
STA. 295 + 98.76

DESIGNED: *Wai Hing*
CHECKED: *Lynn Traces*
DRAWN: *J.L. Armstrong*
CHECKED: *A.F.*

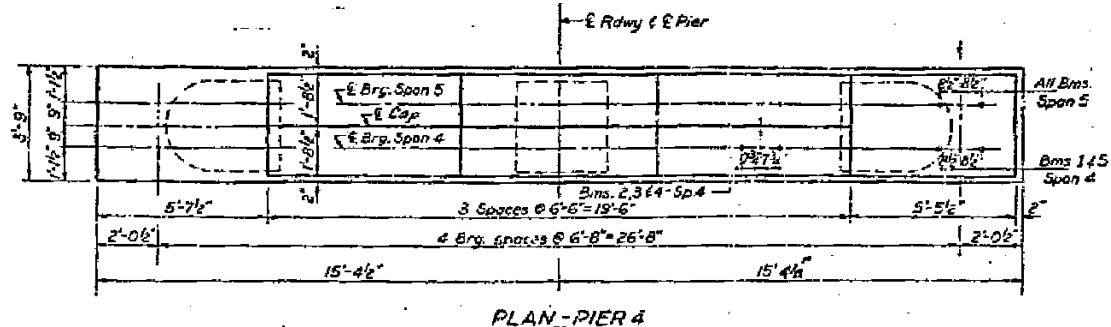
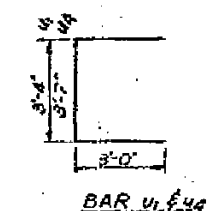
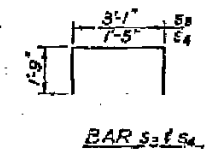
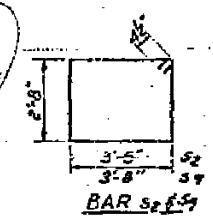
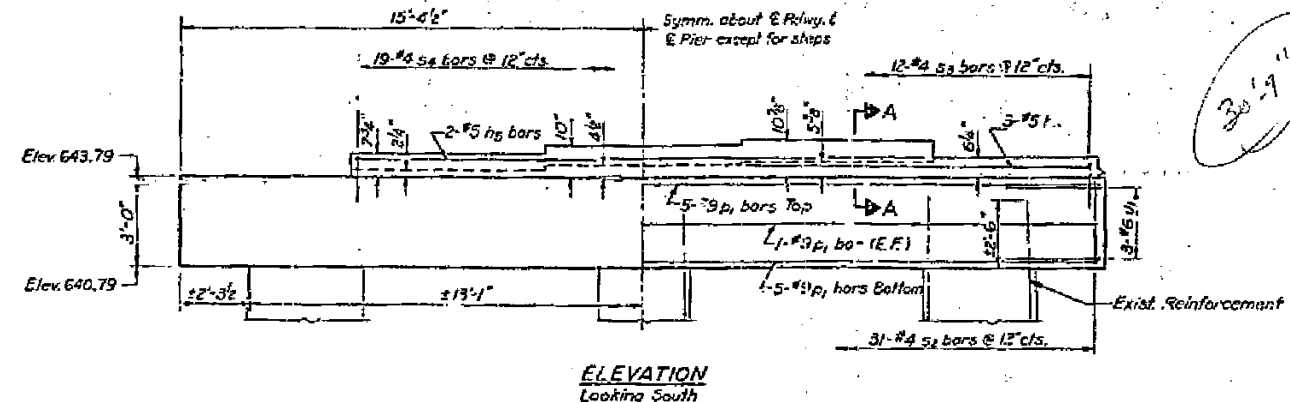
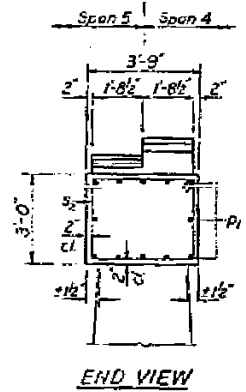
EXAMINED: *June 3 1976*
PASSED
APPROVED

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
125VBR	MARSHALL	41	134	10



NOTE:
Remove existing concrete from top of pier to bottom of new cap. Existing vertical reinforcement in columns shall be cleaned and cut off 2'-6" above bottom of new cap. The horizontal tie bars shall be cleaned and left in place.



TWO PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
hs	5	#5	18'-2"	—
hb	3	#5	11'-9"	—
ds	24	#9	30'-6"	—
s2	31	#4	12'-11"	□
s3	12	#4	6'-7"	□
s4	19	#4	4'-11"	□
s9	31	#2	13'-5"	□
s10	19	#2	6'-10"	□
u1	6	#6	9'-4"	□
u4	6	#2	9'-7"	□
Class X Concrete		Cu.Yds.	29.2	
Reinforcement Bars		Lbs.	3520	
Concrete Removal		Cu.Yds.	34	

DESIGNED *W.A. Harty*
CHECKED *W.A. Harty*
DRAWN *J.L. Armstrong*
CHECKED *J.F.*

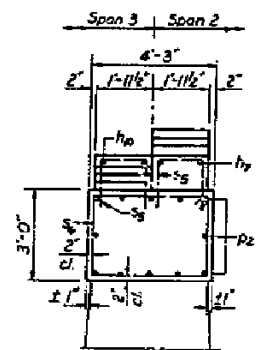
EXAMINED *[Signature]*
PASSED
APPROVED

JUNE 3 1970

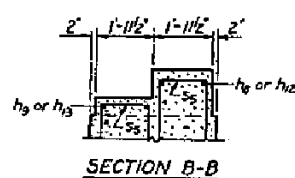
AS REV. 6-1-71 W.H.
PIERS 1 & 4
S.B.I. RT. 49 SEC. 125 VBR
MARSHALL COUNTY
STA. 295 + 98.76

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

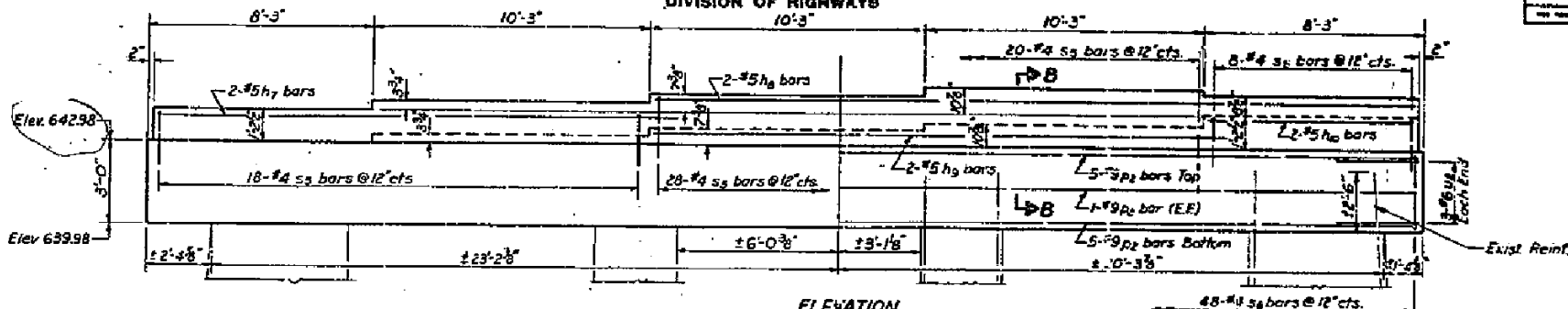
Drawn by	Checked by	Design No.	Sheet No.
J.L. Armstrong	J.L. Armstrong	68580-106	20



END VIEW

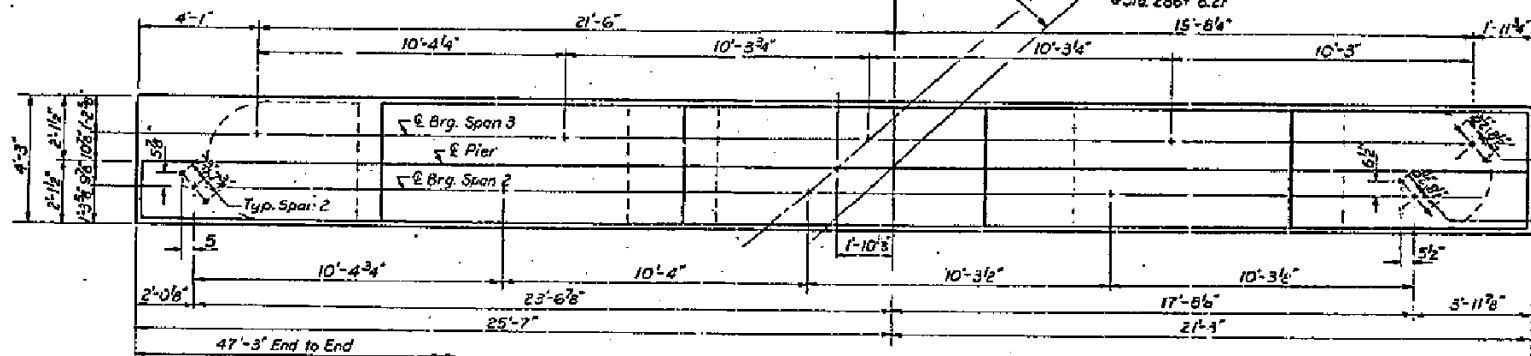


SECTION B-B



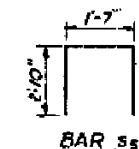
ELEVATION
Looking South

NOTE:
Remove existing concrete from top of pier to bottom of new cap. Existing vertical reinforcement in columns shall be cleaned and cut off ± 2'-6" above bottom of new cap. The horizontal tie bars shall be cleaned and left in place.

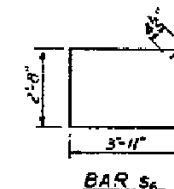


PLAN-PIER 2

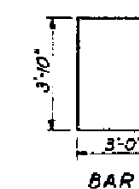
Holes for #4 Anchor Bolts
Typical Span 2



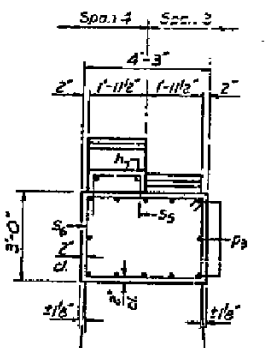
BAR Ss



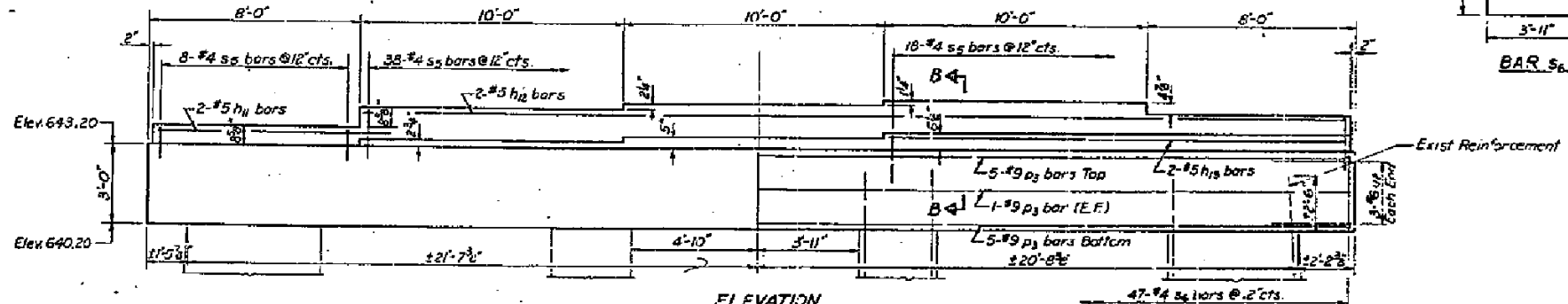
BAR S6



BAR U6

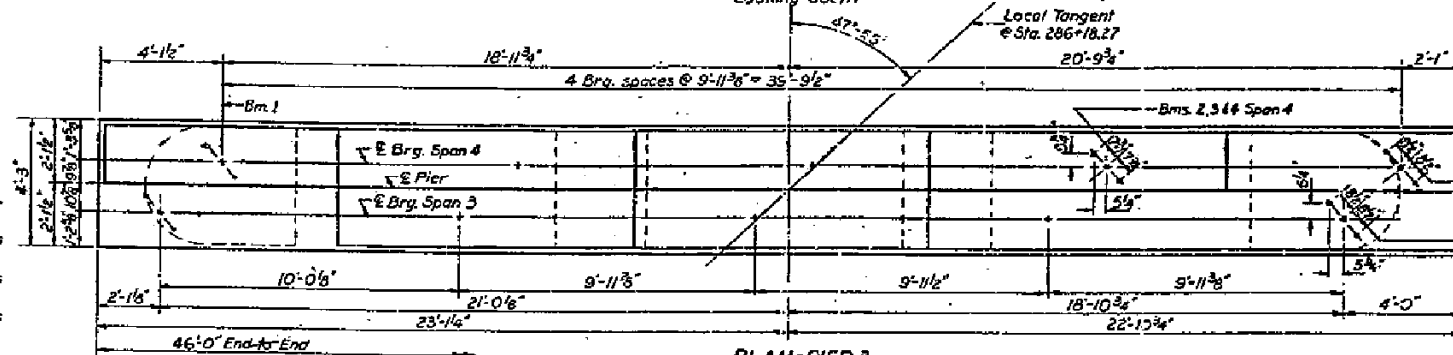


END VIEW



ELEVATION
Looking South

Exist Reinforcement



PLAN-PIER 3

Holes for #4 Anchor Bolts
Typical Span 3

TWO PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
px	2	#5	18'-6"	—
ly	2	#5	28'-3"	—
ly	2	#5	21'-3"	—
ly	2	#5	7'-9"	—
py	2	#5	9'-0"	—
py	2	#5	37'-6"	—
py	2	#5	17'-6"	—
pr	12	#9	47'-0"	—
pr	12	#9	45'-9"	—
ss	158	#4	7'-3"	□
ss	95	#4	13'-11"	□
ur	12	#6	9'-10"	□

Class X Concrete	Cu Yds.	57.8
Reinforcement Bars	Lbs.	5810
Concrete Removal	Cu Yds.	72

PIERS 2 & 3
SBL RT 89 SEC. 125 VBR
MARSHALL COUNTY
STA. 295+98.76

DESIGNED	<i>J.L. Armstrong</i>
CHECKED	<i>J.L. Armstrong</i>
DRAWN	J.L. Armstrong
CHECKED	<i>J.L. Armstrong</i>

EXAMINED	<i>J.L. Armstrong</i>	DATE	JUNE 3 1970
APPROVED	<i>J.L. Armstrong</i>	DATE	JULY 24, 2013

FILE NAME =	USER NAME = jdeen	DESIGNED -	REVISED -
v:\transportation\3013\cadd\sheet\06220086-68580-106-EXISTING PLANS.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000 / IN.		CHECKED -	REVISED -
PLOT DATE = 7/25/2013		DATE - JULY 24, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

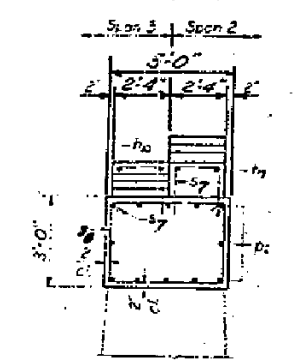
EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: SHEET NO. 24 OF 27 SHEETS STA. TO STA.

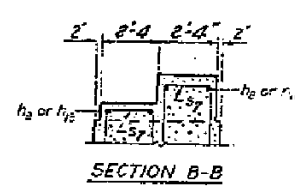
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	111
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68580

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

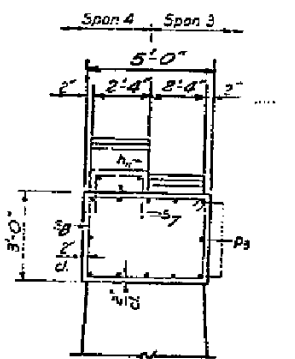
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	125VBR	MARSHALL	41	20A



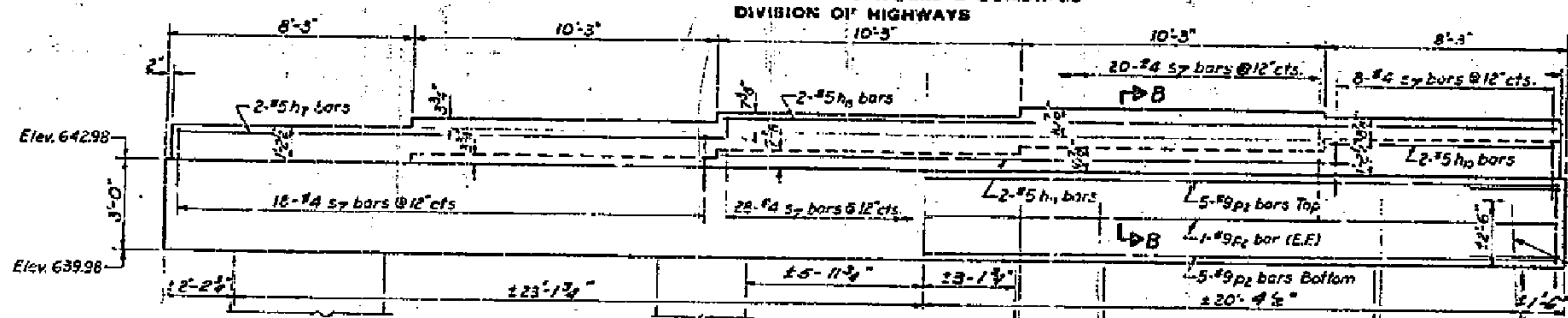
END VIEW



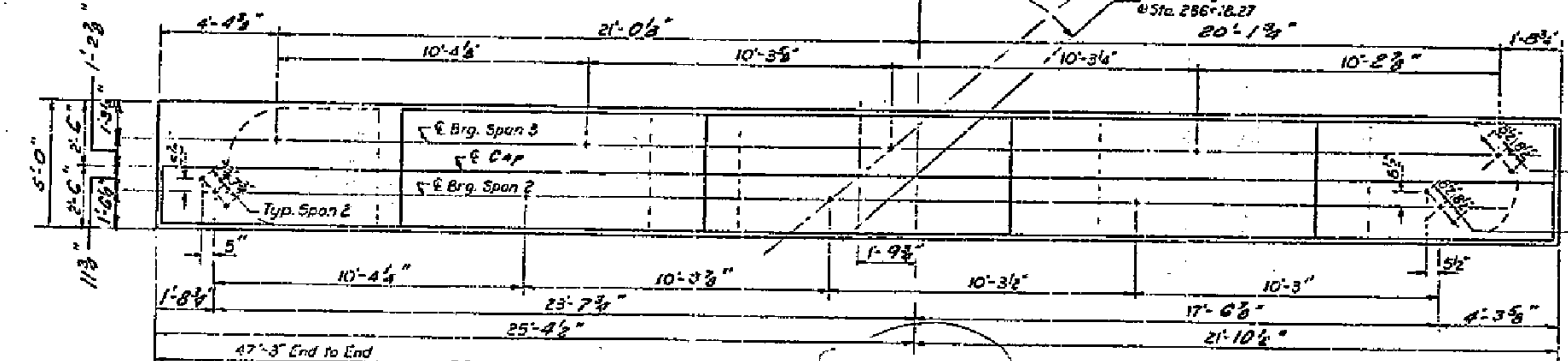
SECTION B-B



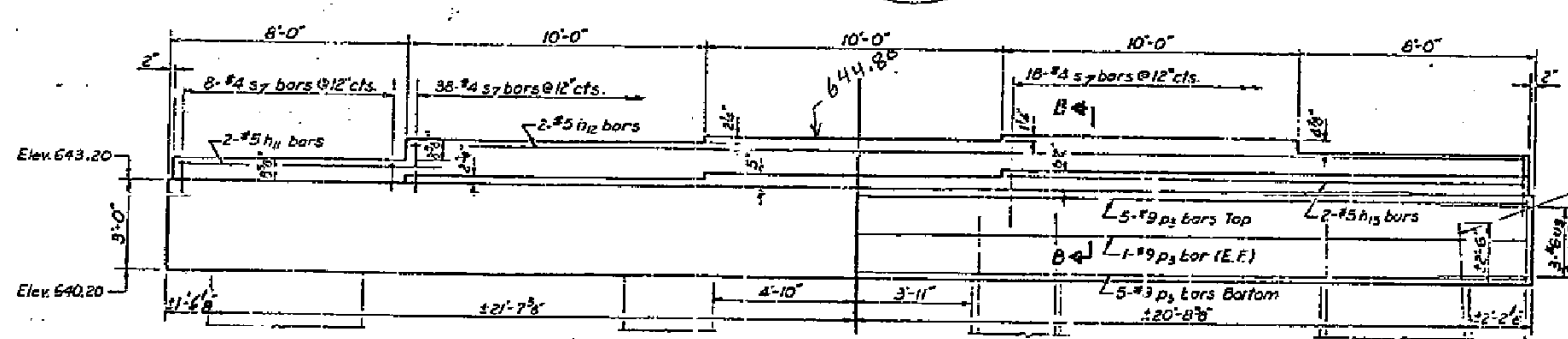
END VIEW



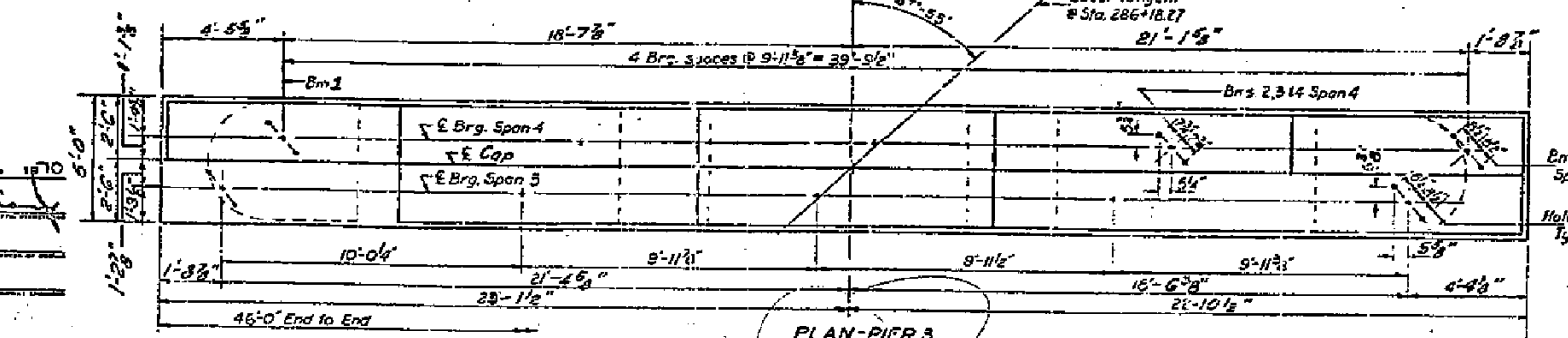
ELEVATION Looking South



PLAN-PIER 2

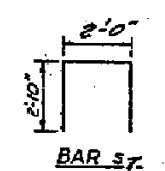


ELEVATION Looking South

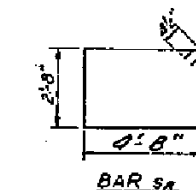


PLAN-PIER 3

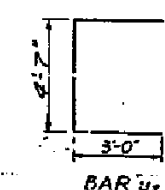
NOTE: Remove existing concrete from top of pier to top of new cap. Existing vertical reinforcement in cap shall be cleaned and cut off $\pm 2'-6"$ above bottom cap. The horizontal tie bars shall be cleaned and in place.



BAR 37



BAR 38



BAR 39

TWO PIERS
BILL OF MATERIAL

Bar	No.	Size	Length
h7	2	#5	19'-6"
h8	2	#5	28'-3"
h9	2	#5	21'-3"
h10	2	#5	7'-9"
h11	2	#5	9'-0"
h12	2	#5	37'-6"
h13	2	#5	17'-6"
d2	12	#9	47'-0"
d3	12	#9	45'-9"
s7	138	#4	7'-8"
s8	95	#4	15'-5"
u8	12	#6	10'-7"
Class X Concrete Cu Yds			
Reinforcement Bars Lbs.			
Concrete Removal Cu Yds			

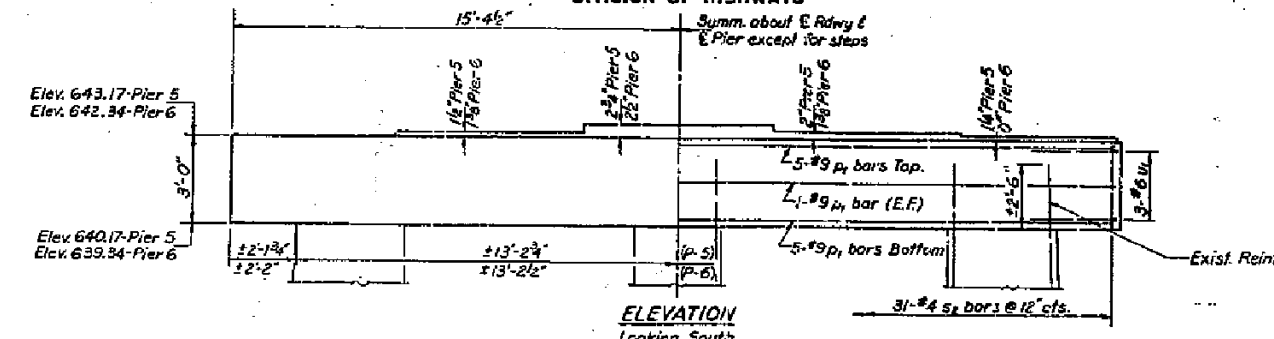
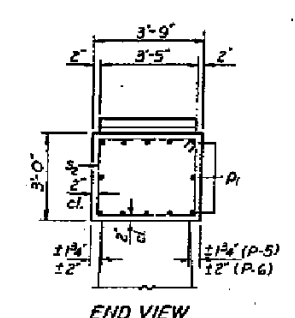
DESIGNED: *John H. ...*
CHECKED: *...*
DRAWN: J.L. Armstrong
CHECKED: *...*

EXAMINED: *...*
PASSED:
APPROVED: *...*

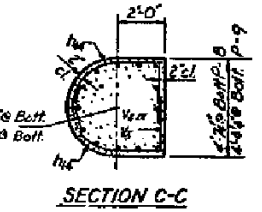
AS REV. 6-1-71 W
PIERS 2 & 3
S.B.I. RT. 89 SEC. 125 V.
MARSHALL COUNTY
STA. 295+98.76

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

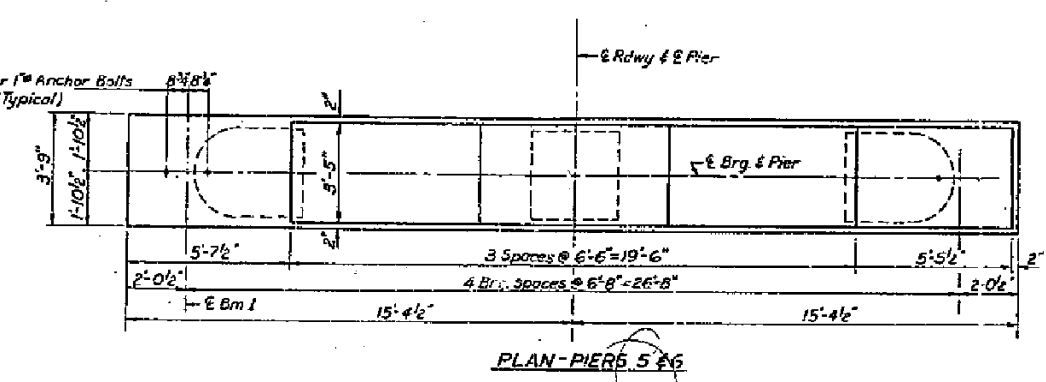
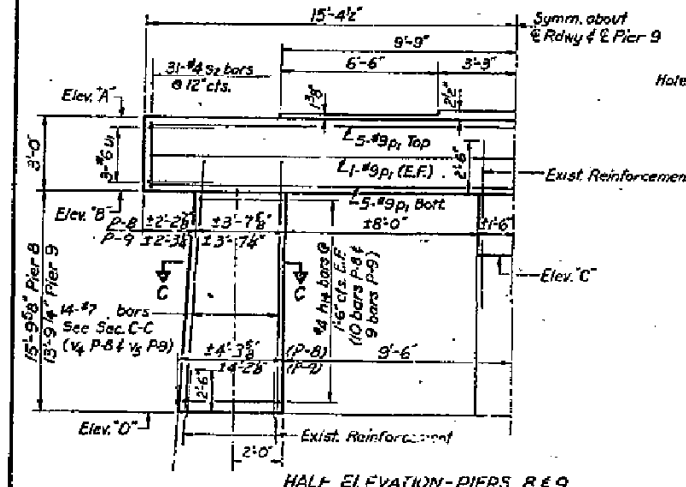
PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
89	125VBR	41	21
SHEET NO. 15		15 SHEETS	



Note for Piers 5 & 6:
Remove existing concrete from top of pier to bottom of new cap. Existing vertical reinforcement in columns shall be cleaned and cut off 2'-6" above bottom of new cap. The horizontal tie bars shall be cleaned and left in place.



Note for Piers 7, 8, 9, 10 & 11:
Remove existing concrete from top of pier to Elev. 'C' (or Elev. 'D' Pier 9). Existing vertical reinforcement in columns shall be cleaned and incorporated into new construction as shown. The horizontal tie bars shall be cleaned and left in place.



VALUE OF A, B, C & R_y

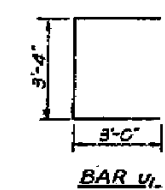
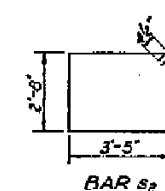
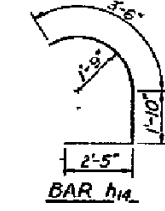
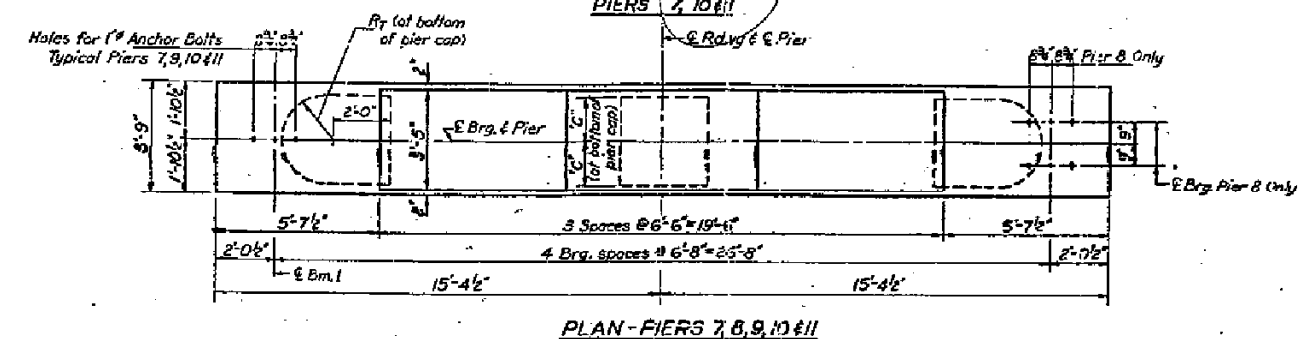
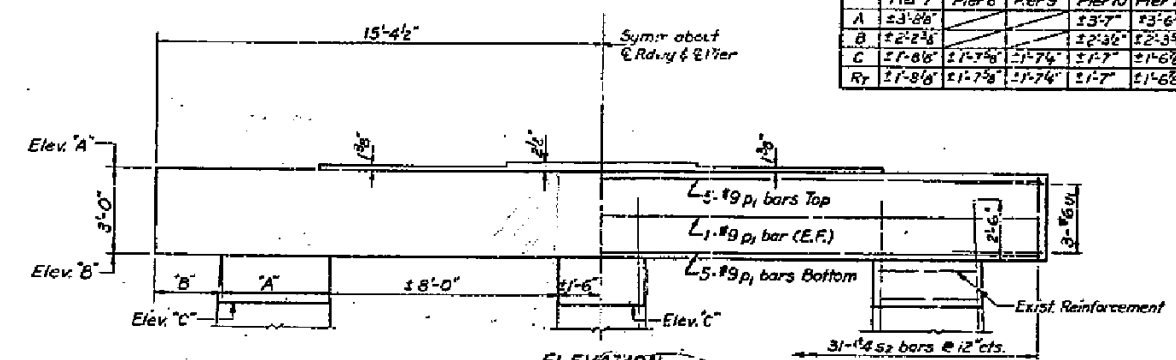
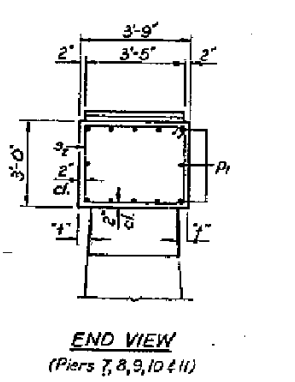
	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11
A	±3'-2 1/2"			±3'-7"	±3'-6 1/2"
B	±2'-2 1/2"			±2'-3 1/2"	±2'-3 1/2"
C	±1'-8 1/2"	±1'-7 1/4"	±1'-7 1/4"	±1'-7"	±1'-6 1/2"
R _y	±1'-8 1/2"	±1'-7 1/4"	±1'-7 1/4"	±1'-7"	±1'-6 1/2"

ELEVATION-PIERS 7, 8, 9, 10 & 11

	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11
Elev. 'A'	641.03	639.52	637.49	635.09	632.43
Elev. 'B'	638.03	636.52	634.49	632.09	629.43
Elev. 'C'	637.39	634.04	631.93	629.05	626.14
Elev. 'D'		620.71	620.72		

VALUE OF 'Y'

	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11
Y	±2'-5 1/2"	±2'-6"	±2'-6"	±2'-6"	±2'-6"



SEVEN PIERS BILL OF MATERIAL

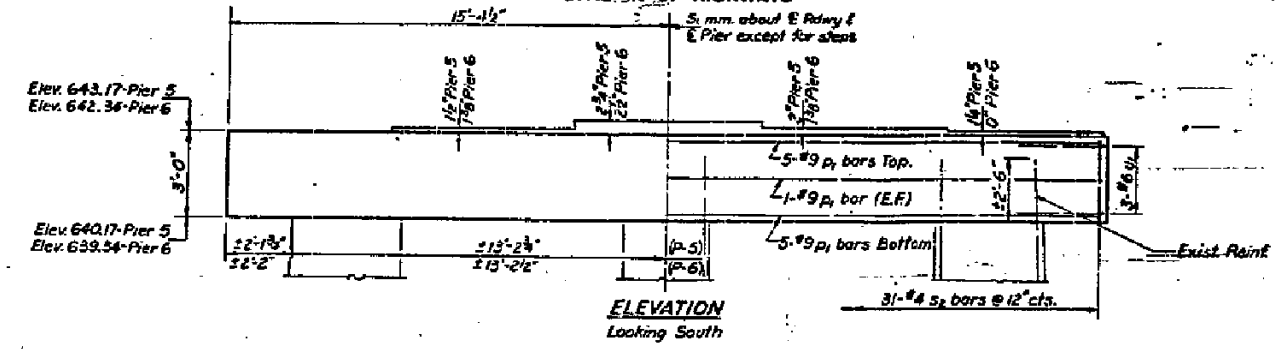
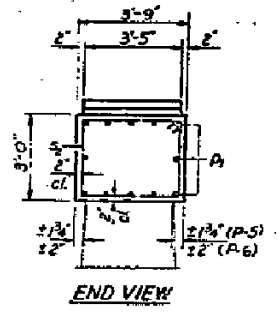
Bar	No.	Size	Length	Shape
#14	76	#4	7'-9"	L
#2	84	#9	30'-6"	—
S ₂	217	#6	12'-11"	□
V ₄	28	#7	17'-6"	—
V ₂	28	#7	15'-6"	—
U ₁	42	#6	9'-4"	C
Class X Concrete				Cu.Yds. 123.9
Reinforcement Bars				Lbs. 13,450
Concrete Removal				Cu.Yds. 130

PIERS 5, 6, 7, 8, 9, 10 & 11
S.B.I. RT. 89 SEC. 125 V.M.R.
MARSHALL COUNTY
STA. 295 + 98.76

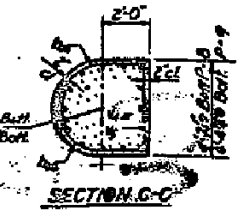
DESIGNED: *W. H. H. H.*
CHECKED: *Lynn Trice*
DRAWN: J.L. Armstrong
CHECKED: *[Signature]*
DATE: JUNE 3 1970

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

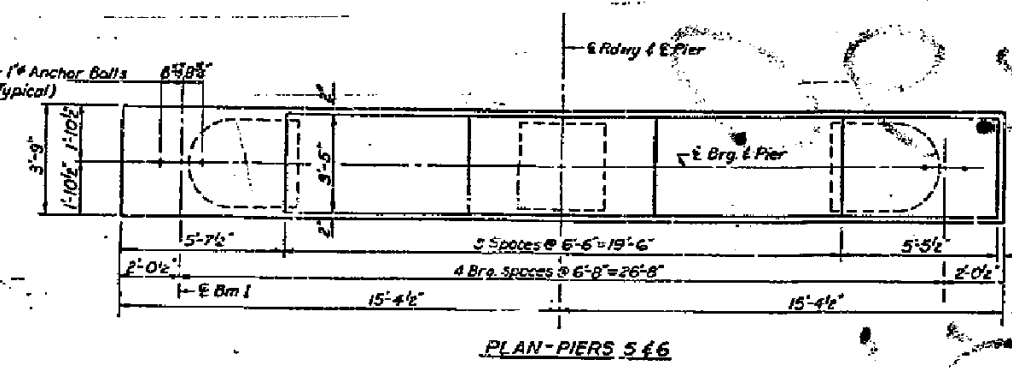
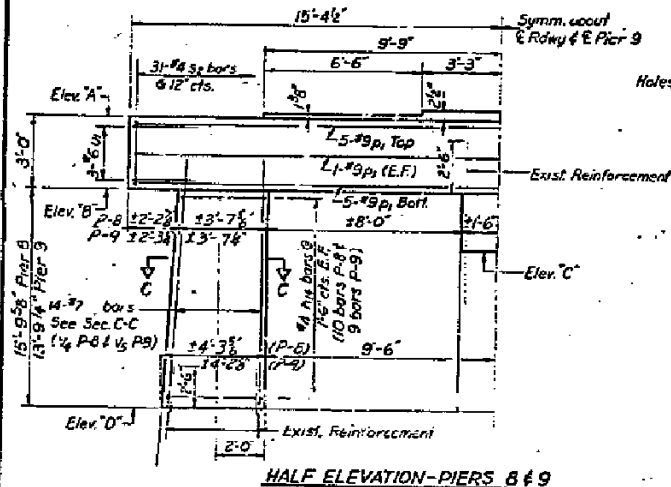
PROJECT NO.	25th MARSHALL	41	21A	SHEET NO. 15A
TOTAL SHEETS	45 SHEETS			



Note for Piers 5 & 6:
Remove existing concrete from top of pier to bottom of new cap. Existing vertical reinforcement in columns shall be cleaned and cut off 2'-6" above bottom of new cap. The horizontal re bars shall be cleaned and left in place.



Note for Piers 7, 8, 9, 10 & 11:
Remove existing concrete from top of pier to Elev. C for Elev. D Pier 9. Existing vertical reinforcement in columns shall be cleaned and incorporated into new construction as shown. The horizontal re bars shall be cleaned and left in place.



VALUE OF A, B, C & R_v

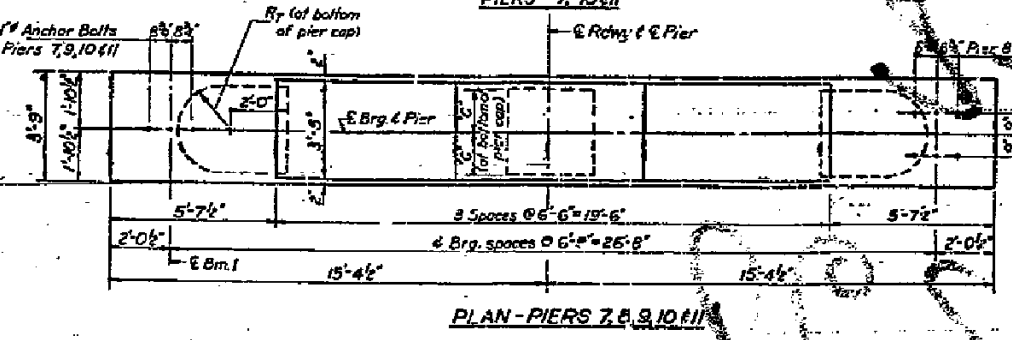
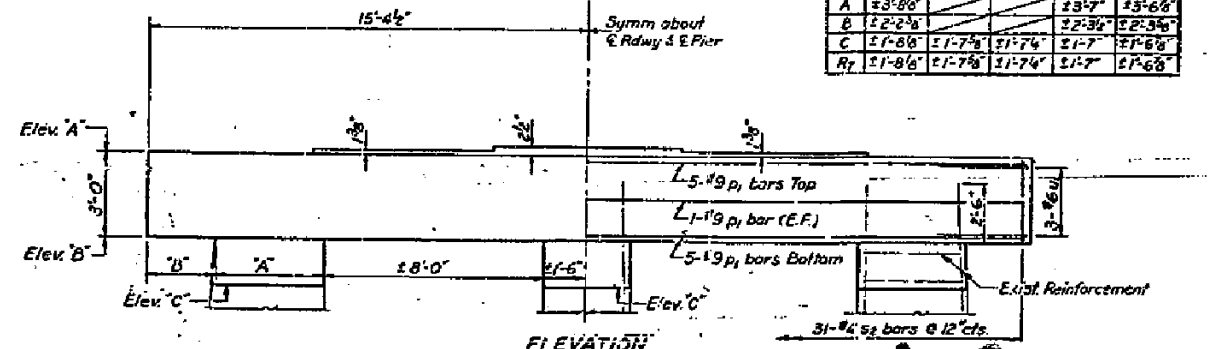
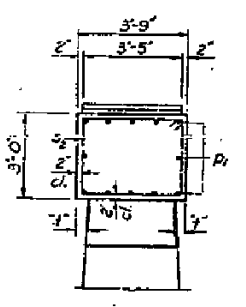
	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11
A	23'-8"	23'-7"	23'-7"	23'-6"	23'-6"
B	22'-2"	22'-3"	22'-3"	22'-3"	22'-3"
C	21'-8"	21'-7"	21'-7"	21'-7"	21'-8"
R _v	21'-8"	21'-7"	21'-7"	21'-7"	21'-6"

ELEVATION-PIERS 7, 8, 9, 10 & 11

	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11
Elev. A	641.03	639.52	637.49	635.09	632.83
Elev. B	638.52	636.52	634.49	632.09	629.83
Elev. C	637.59	634.84	631.93	629.05	626.14
Elev. D	620.71	620.72			

VALUE OF "Y"

Pier 7	12 3/4"
Pier 8	12 3/8"
Pier 9	13 1/4"
Pier 10	13 1/2"
Pier 11	13 5/8"



SEVEN PIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h _u	76	#4	7'-9"	D
h _v	84	#9	30'-6"	—
s ₂	217	#4	8'-11"	D
v ₂	28	#7	17'-6"	—
v ₃	28	#7	15'-6"	—
u ₁	42	#6	9'-4"	—
Class X Concrete		Cu Yds	129.3	
Reinforcement Bars		Lbs.	13,450	
Concrete Removal		Cu Yds	130	

DESIGNED: *[Signature]*
CHECKED: *[Signature]*
DRAWN: J.L. Armstrong
CHECKED: *[Signature]*

EXAMINED: *[Signature]*
PASSED:
APPROVED: *[Signature]*

JUNE 3 1970

As Revised 1-8-71
PIERS 5, 6, 7, 8, 9, 10 & 11
S.B.I. RT. 89 SEC. 125 VBR
MARSHALL COUNTY
STA. 295+98.76

B.M.4: RR Spike in Power Pole West Side of Il. 89,
±30' N. of the N. Entrance to the First House
South of Crow Creek, MB# 245
Elev. 630.17

B.M.5: RR Spike in 46" Pin Oak ±115' S. of
Guardrail End on the W. Side of Il. 89.
(First Large Tree S. of Crow Creek
Near West E.O.P.)
Elev. 626.64

Existing Structure:

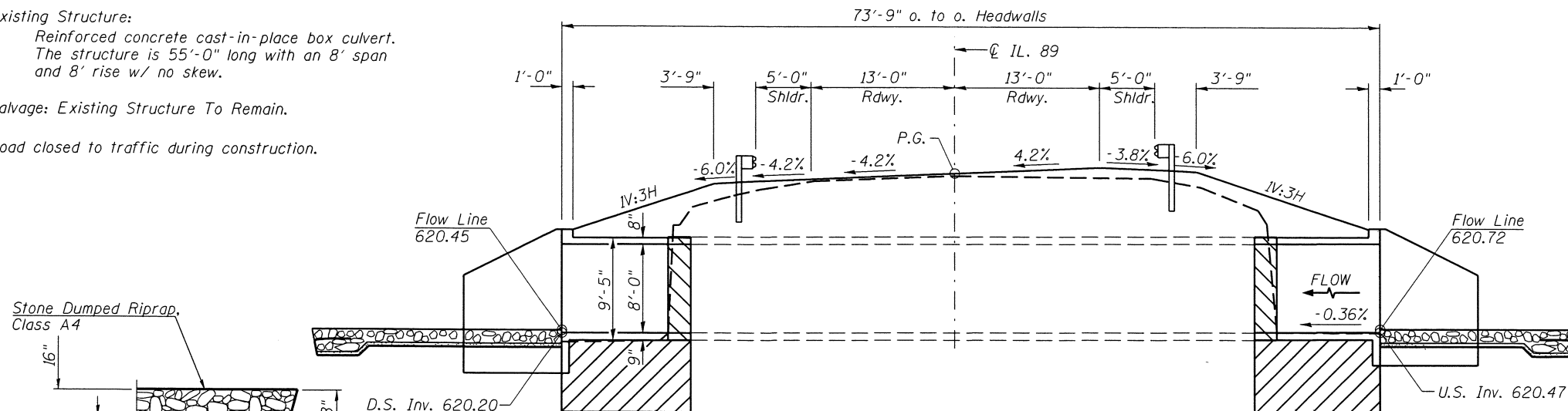
Reinforced concrete cast-in-place box culvert.
The structure is 55'-0" long with an 8' span
and 8' rise w/ no skew.

Salvage: Existing Structure To Remain.

Road closed to traffic during construction.

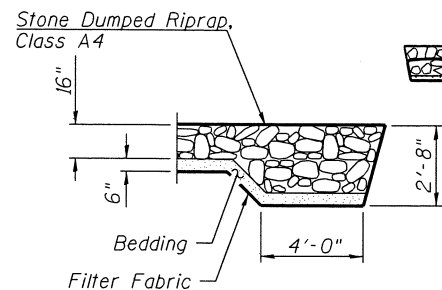
GENERAL NOTES

For backfilling and embankment see Standard Specifications.
The required depth of removal and replacement of unsuitable materials may
be adjusted by the Engineer to account for variable subsurface conditions.
Precast culvert option will not be allowed.
Exposed concrete edges shall have a 3/4" chamfer unless otherwise noted.
Layout of slope protection system may be varied in the field to suit ground
conditions as directed by the Engineer.
A distance of half the length of the wingwall, but not less than 6 feet of
the barrel shall be poured monolithically with the wingwall.
All excavation required for construction of the culvert as shown in these
plans and in accordance with the Standard Specifications shall be included
in the cost of Concrete Box Culverts.
For soil borings, see sheet 5 of 5.
Reinforcement bars designated (E) shall be epoxy coated.



LONGITUDINAL SECTION

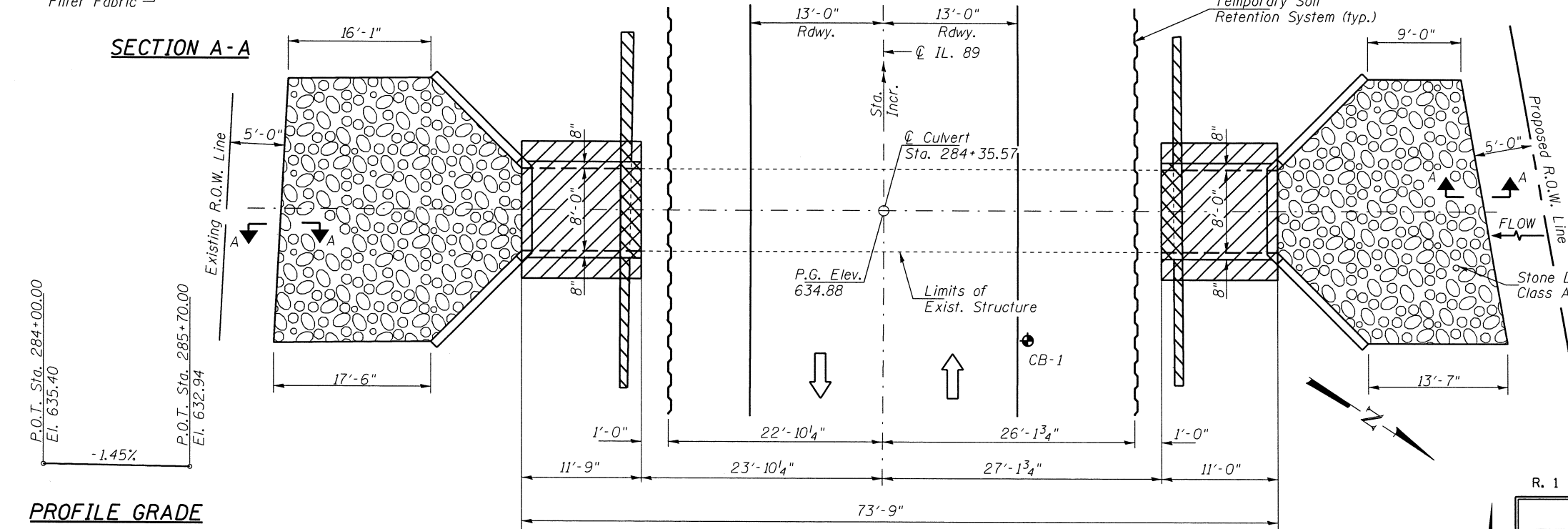
Dimensions are at Rt. L's to C Roadway



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culverts	CU YD	40.3
Reinforcement Bars, Epoxy Coated	POUND	8,950
Stone Dumped Riprap, Class A4	SQ YD	115
Filter Fabric	SQ YD	115
Expansion Bolts 3/4 Inch	EACH	48
Rock Fill	CU YD	76
Geotechnical Fabric for Ground Stabilization	SQ YD	66
Removal & Disposal of Unsuitable Material	CU YD	79.0
Temporary Soil Retention System	SQ FT	1,035
Concrete Removal	CU YD	23.2



PROFILE GRADE

PLAN

DESIGN SPECIFICATIONS

2002 AASHTO & Interims

DESIGN STRESSES

FIELD UNITS

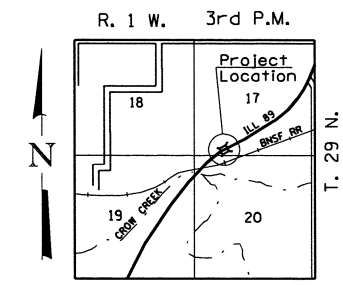
(New Construction)

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.



LOCATION SKETCH

- Concrete Removal
- Removal of Unsuitable Material

See sheet 3 of 5 for Fill and Removal Details

BENJAMIN A. NEBEL
Professional Engineer
ILLINOIS
Lic 0874 4/30/14

GENERAL PLAN & ELEVATION

MARSHALL COUNTY

SECTION (125VBR)BR

F.A.P. RTE. 698 OVER UNNAMED STREAM

STATION 284+35.57

STRUCTURE NO. 062-1003

Hutchison Engineering, Inc.
Jacksonville, Peoria, &
Shorewood, Illinois

USER NAME = bnebel
PLOT SCALE = NONE
PLOT DATE = 9/12/2014

DESIGNED - NPH
CHECKED - STM/BAN
DRAWN - RMD/NPH
CHECKED - NPH/STM

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

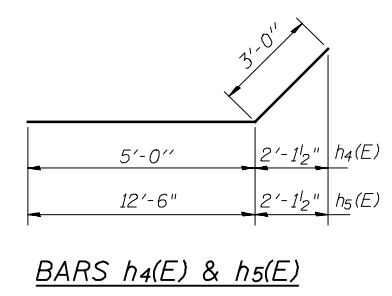
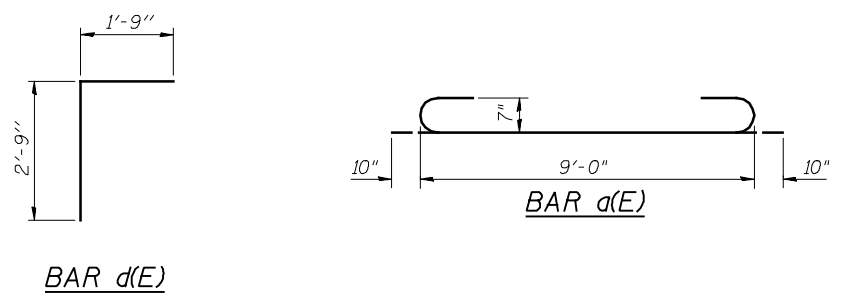
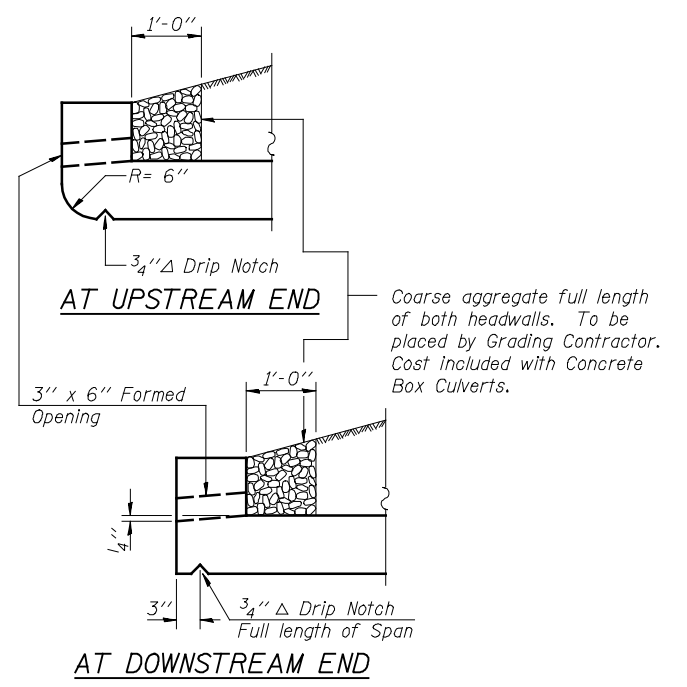
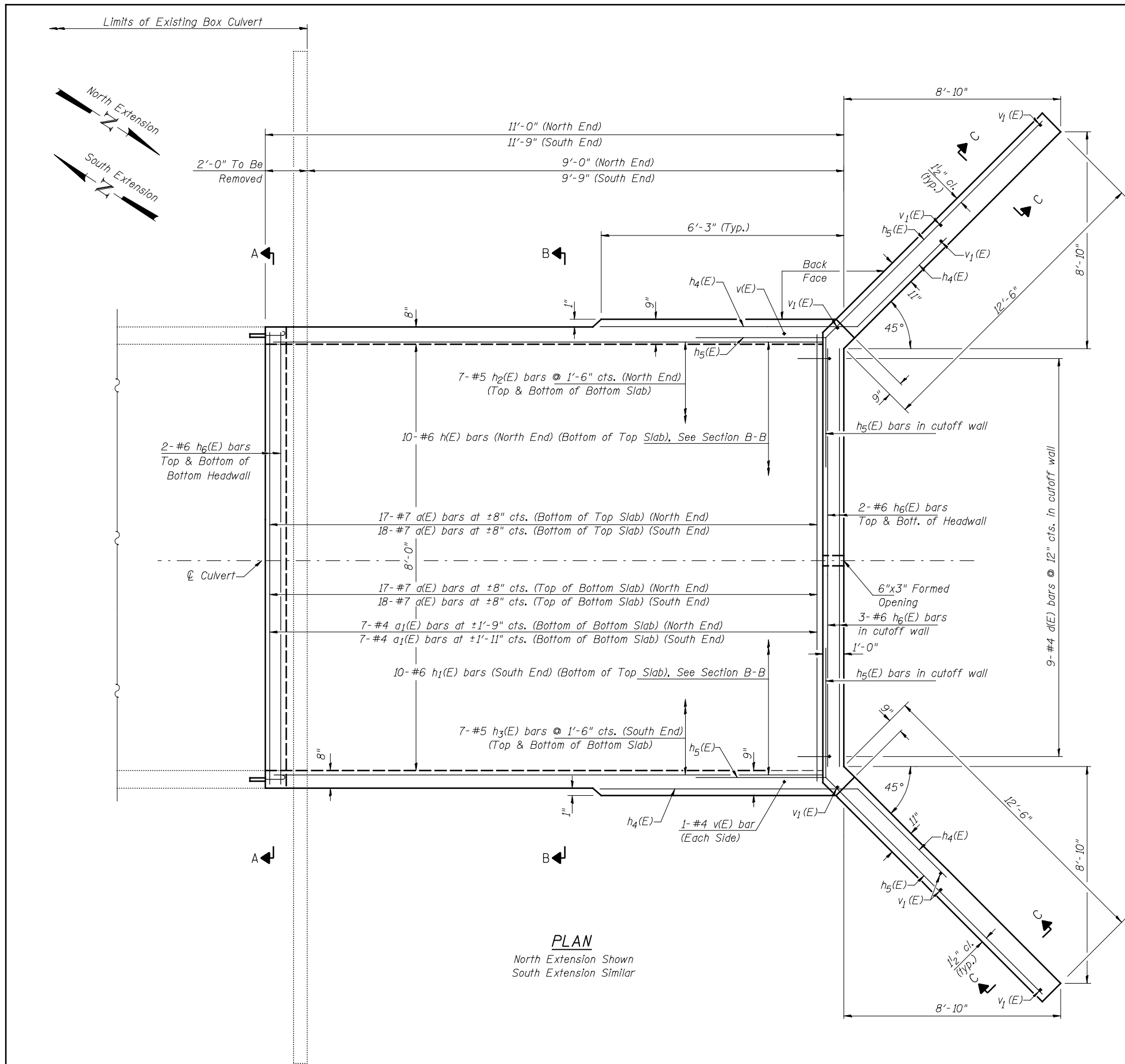
GENERAL PLAN AND ELEVATION
STRUCTURE NO. 062-1003

SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	115

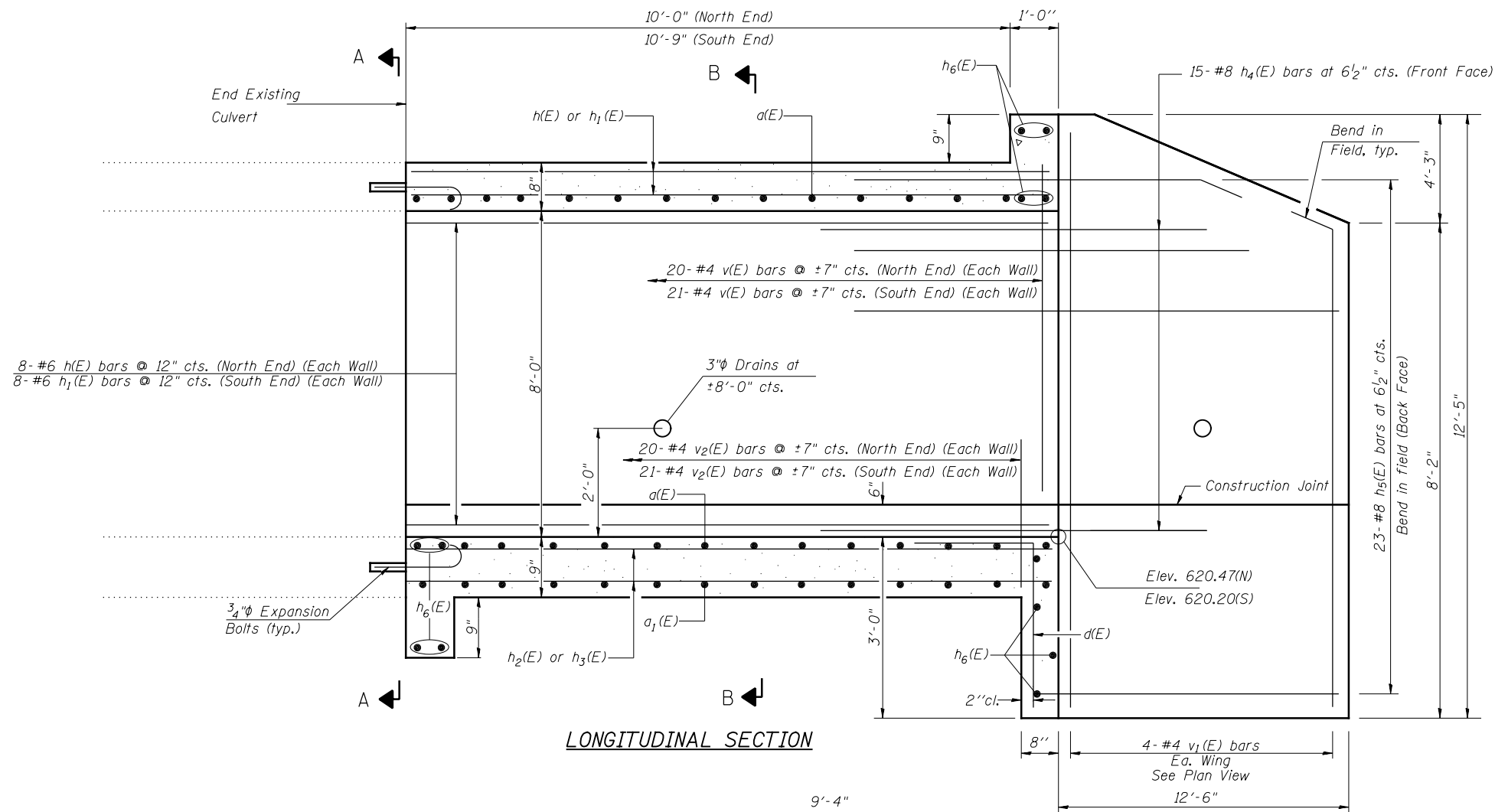
CONTRACT NO. 68580

ILLINOIS FED. AID PROJECT BR5-*****

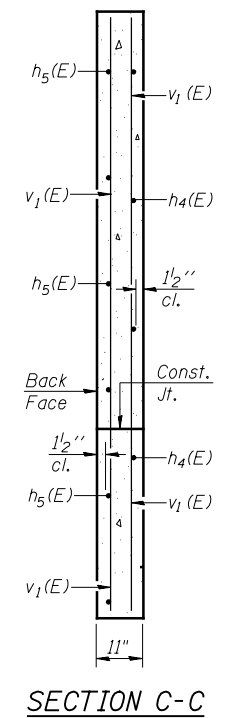


PLAN
North Extension Shown
South Extension Similar

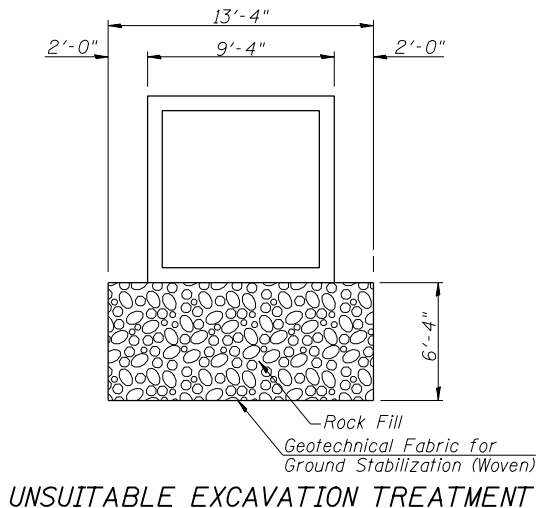
Notes:
See Sheet 3 of 5 for Section B-B & C-C.



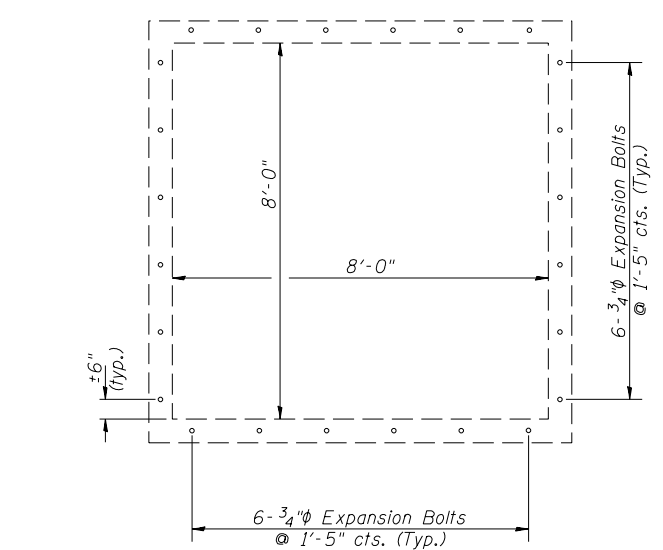
LONGITUDINAL SECTION



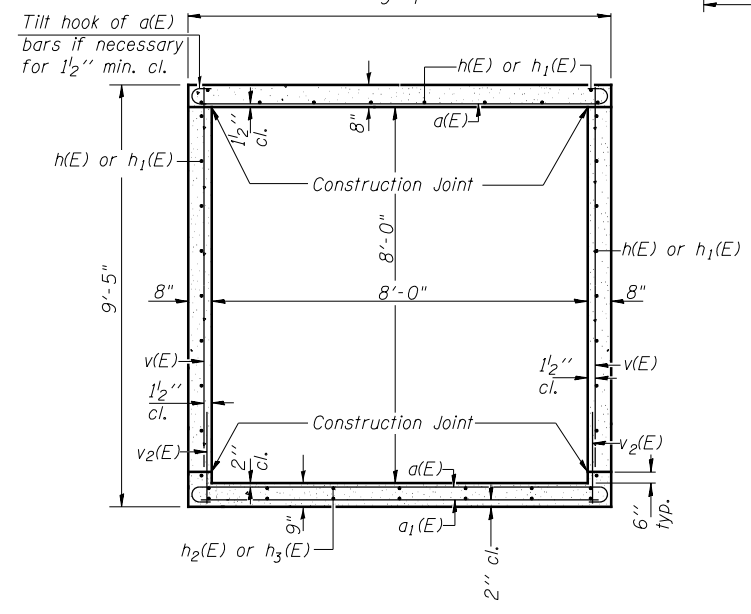
SECTION C-C



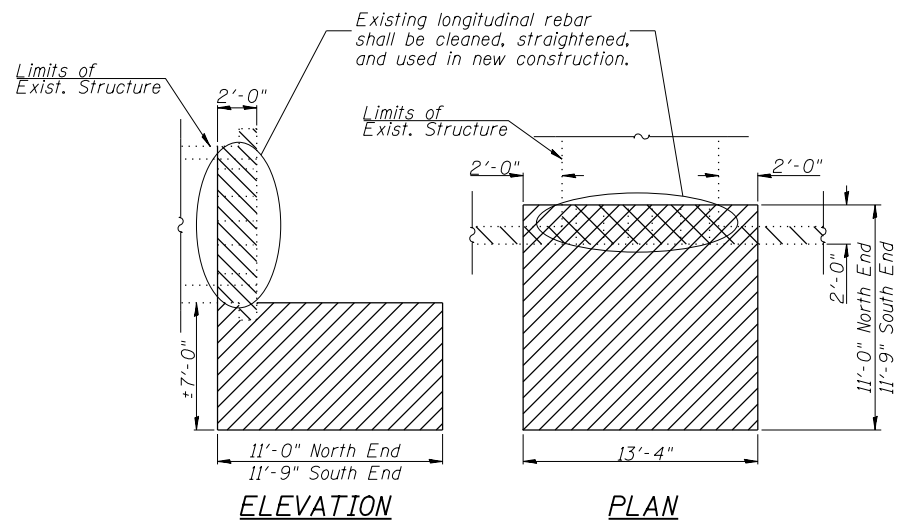
UNSUITABLE EXCAVATION TREATMENT



SECTION A-A (Showing Expansion Bolts)



SECTION B-B (Showing Reinforcement)

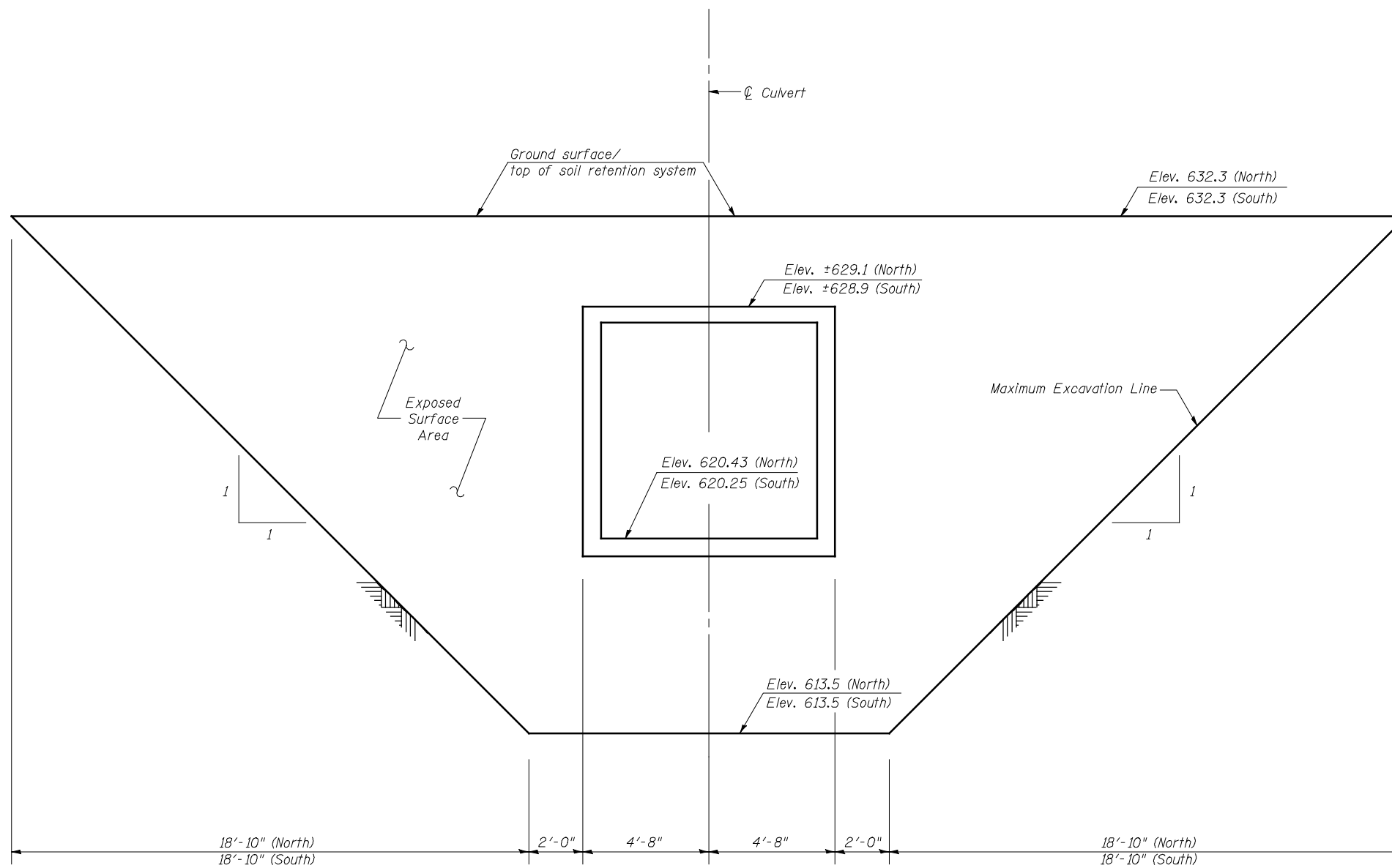


ELEVATION PLAN
 CONCRETE & UNSUITABLE MATERIAL REMOVAL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	70	#7	10'-8"	
a1(E)	14	#4	9'-1"	
d(E)	18	#4	4'-6"	
h(E)	26	#6	10'-9"	
h1(E)	26	#6	11'-6"	
h2(E)	14	#5	10'-9"	
h3(E)	14	#5	11'-6"	
h4(E)	60	#8	8'-0"	
h5(E)	92	#8	15'-6"	
h6(E)	22	#6	9'-1"	
v(E)	86	#4	7'-11"	
v1(E)	16	#4	12'-2"	
v2(E)	82	#4	2'-2"	
Concrete Box Culverts			CU YD	40.3
Reinforcement Bars, Epoxy Coated			POUND	8,950
Expansion Bolts, 3/4 Inch			EACH	48

Note: Expansion Bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



TEMPORARY SOIL RETENTION SYSTEM DETAILS

Hutchison Engineering, Inc.
 Jacksonville, Peoria, &
 Shorewood, Illinois

USER NAME = jdean	DESIGNED - NPH	REVISED -
PLOT SCALE = NONE	CHECKED - STM/BAN	REVISED -
PLOT DATE = 7/25/2013	DRAWN - RMD/NPH	REVISED -
	CHECKED - NPH/STM	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS
 STRUCTURE NO. 062-1003**

SHEET NO. 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	118
ILLINOIS			FED. AID PROJECT BR5-****(****)	

v:\transportation\3013\cadd_sheets\0621003-68580-004-CULVERT DETAILS.dgn



Illinois Department of Transportation
Division of Highways
CSG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/6/10

ROUTE FAP 698 (IL 89) DESCRIPTION IL-89 over drainage ditch approximately 1 mile south of La Rose, IL LOGGED BY NSP

SECTION (125VBR)BR LOCATION Bell Plain Road District, SEC. 17, TWP. 29N, RNG. 1W, 3rd PM, Latitude 40° 58' 11.86" N, Longitude 89° 15' 11.2" W

COUNTY Marshall DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. NA Station 284+37
BORING NO. CB-1 Station 284+23 Offset 14.00 ft RT
Ground Surface Elev. 635.00 ft (ft) (1/6") (tsf) (%)

Surface Water Elev. 620.60 ft
Stream Bed Elev. 620.30 ft
Groundwater Elev.:
First Encounter 606.0 ft
Upon Completion - ft
After - Hrs. (ft) (1/6") (tsf) (%)

DEPTH (ft)	DESCRIPTION	IB	BS	US	MS	DEPTH (ft)	DESCRIPTION	IB	BS	US	MS
634.00	Gray CLAY (fill), trace gravel	-	-	-	9	613.80					
	Brown and Dark Brown SILTY CLAY LOAM (fill), trace gravel	2	2.0	24			Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel	16	10.0	8	
		3	B					19	P		
631.50		3									
	Very Stiff Brown, Moist SILTY LOAM	3	3.0	20				11			
		3	P					16	11.5	8	
		-5						-25	P		
						609.00					
		2					Very Hard Gray, Dry SILTY LOAM	29			
		3	3.0	20				35	12.0	7	
		3	P					34	P		
626.00						606.50					
	Very Stiff Dark Brown, Moist SILTY CLAY LOAM, trace gravel	3	2.0	25			Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel	29			
		-10	4	P		605.00		30	11.5	9	
624.00							End of Boring	40	P		
	Very Stiff to Stiff Brown, Moist SILTY CLAY LOAM, trace gravel	2									
		3	3.0	19							
		4	P								
		2									
		3	1.5	19							
		-15	5	P				-35			
619.00											
	Soft to Medium Stiff Brown, trace Gray, Wet SILTY CLAY LOAM, trace gravel	2									
		2	0.4	32							
		6	B								
		3									
		4	0.5	14							
		-20	10	P				-40			

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by IB-Bulge, S-Shear, P-Penetrometer
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

Hutchison Engineering, Inc.
Jacksonville, Peoria, & Shorewood, Illinois

USER NAME = jdean	DESIGNED - NPH	REVISED -
PLOT SCALE = NONE	CHECKED - STM/BAN	REVISED -
PLOT DATE = 7/25/2013	DRAWN - RMD/NPH	REVISED -
	CHECKED - NPH/STM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
STRUCTURE NO. 062-1003

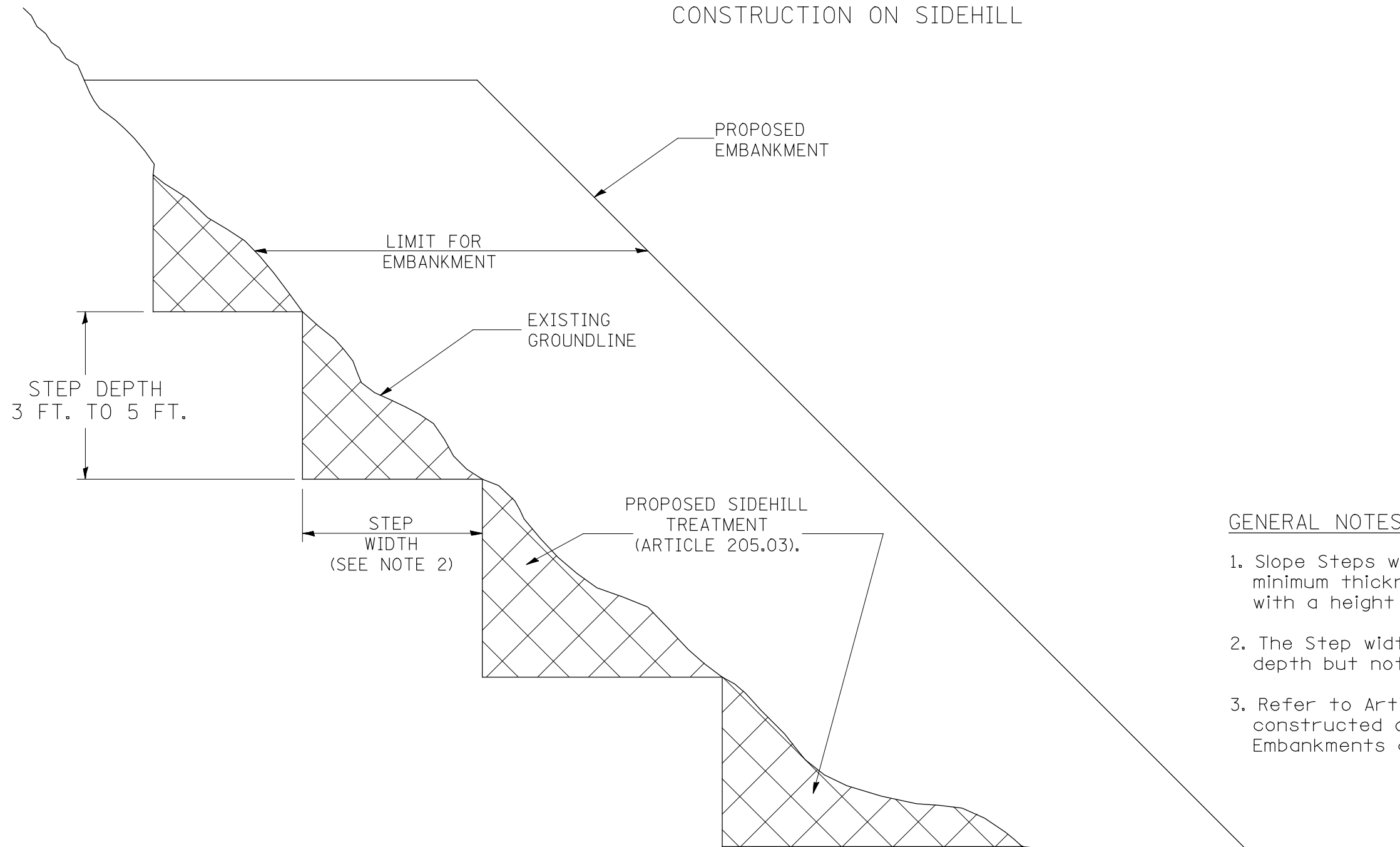
SHEET NO. 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	119
			CONTRACT NO. 68580	

ILLINOIS FED. AID PROJECT BR5-****(****)

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



DESIGNER NOTE:
 1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
 2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SLOPE STEPS DETAIL

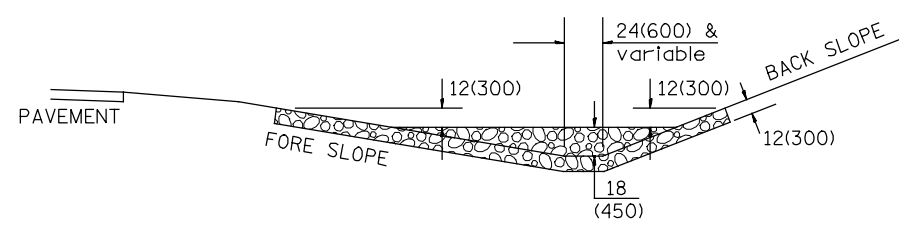
NOT TO SCALE

CADD STD. 205001-D4

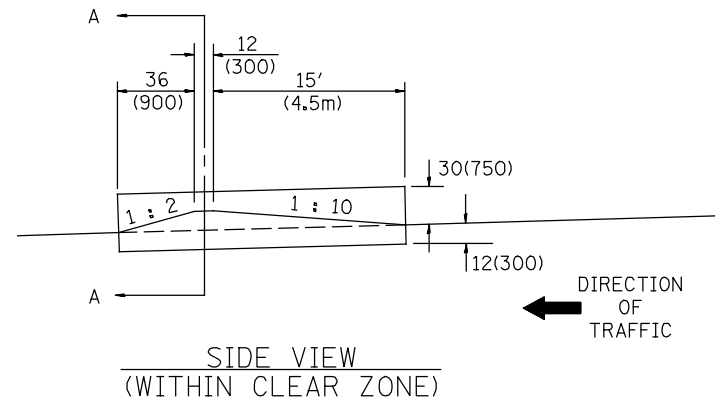
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	120
			CONTRACT NO. 68580	

ILLINOIS FED. AID PROJECT

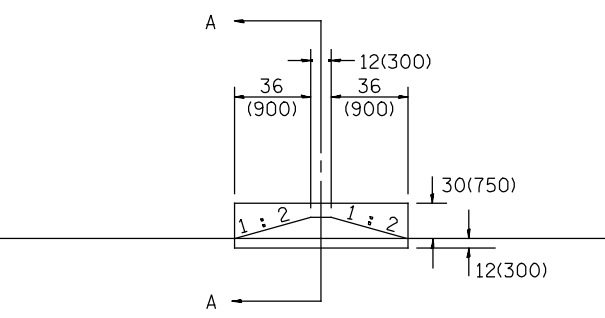
DESIGNER NOTES:
 1. Designer to modify this detail Special Detail Sheet, as needed, for inclusion in plans.
 2. Determine the required clear zone in order to select the berm slopes.
 3. Include State Standard 280001.



SECTION A - A

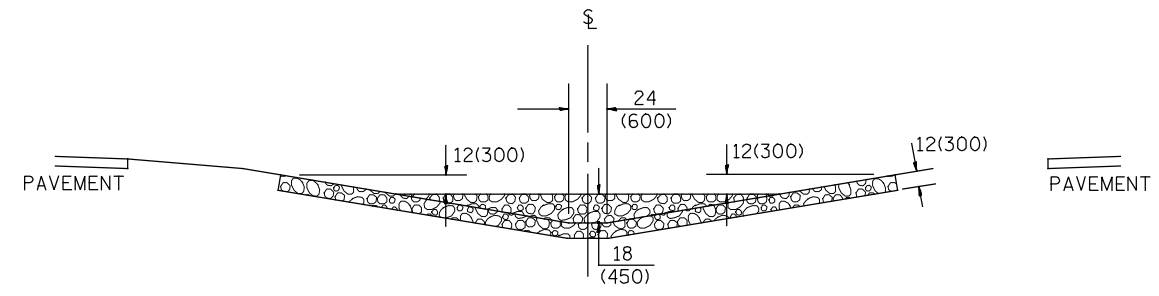


SIDE VIEW (WITHIN CLEAR ZONE)

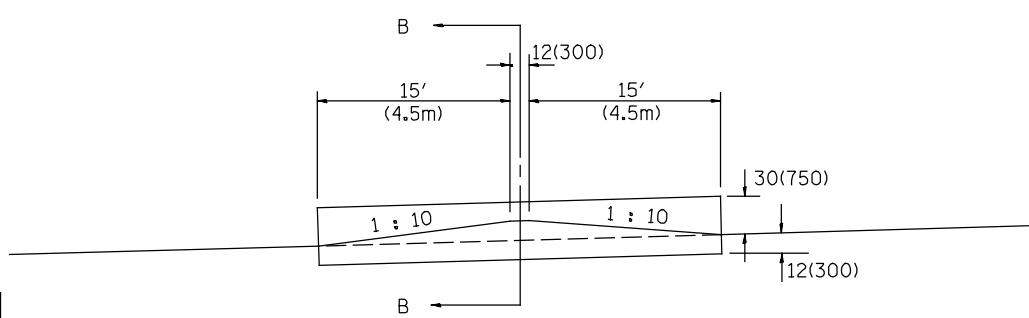


SIDE VIEW (OUTSIDE OF CLEAR ZONE)

SIDE DITCH AGGREGATE DITCH CHECK



SECTION B - B



SIDE VIEW

MEDIAN AGGREGATE DITCH CHECK

NOTES:

1. FOR DITCH BOTTOM PROTECTED BY EROSION CONTROL BLANKET, USE 400'(120m) SPACING. FOR SEEDED DITCH BOTTOM, USE 200'(60m) SPACING.
2. THIS WORK CONSISTS OF THE COMPLETE INSTALLTION OF EROSION CONTROL DITCH CHECK AT LOCATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE AGGREGATE GRADATION SHALL BE RR3 WITH A MINIMUM QUALITY OF CLASS B.

STATION	LOCATION		NUMBER OF DITCH CHECKS	FORE SLOPE	DITCH BOTTOM WIDTH	BACK SLOPE	BERM SLOPE
	MEDIAN	SIDE DITCH (LEFT/RIGHT)					
275+00 to 277+50		X	1	1:4	24	1:3	1:10/1:2
275+00 to 278+50		X	2	1:4	24	1:3	1:10/1:2
277+50 to 281+00		X	3	1:4	24	1:3	1:10/1:2
278+50 to 282+49		X	3	1:4	24	1:3	1:10/1:2
282+00 to 283+00		X	2	1:4	24	1:3	1:10/1:2
282+50 to 283+50		X	3	1:4	24	1:3	1:2/1:2
285+50 to 287+50		X	2	1:4	24	1:3	1:2/1:2
287+50 to 290+50		X	1	1:2	24	1:3	1:2/1:2
303+50 to 307+00		X	1	1:3	24	1:3	1:2/1:2
303+50 to 307+50		X	1	1:3	24	1:3	1:2/1:2
307+00 to 308+50		X	2	1:4	24	1:3	1:10/1:2
307+50 to 308+50		X	1	1:4	24	1:3	1:10/1:2

ESTIMATE QUANTITIES

TYPE	FORE SLOPE	DITCH BOTTOM	BACK SLOPE	BERM SLOPE	AGGREGATE DITCH CHECK
					EROSION CONTROL TON (METRIC TON)
MEDIAN DITCH	1:6	24(600)	---	1:10	95(86)
SIDE DITCH	1:6	24(600)	1:4	1:10 & 1:2	50(45)
SIDE DITCH	1:6	24(600)	1:4	1:2 & 1:2	19(17)
SIDE DITCH	1:4	24(600)	1:3	1:10 & 1:2	18(16)
SIDE DITCH	1:4	24(600)	1:3	1:2 & 1:2	14(13)

QUANTITIES

CALC. BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

NO.	DATE	DESCRIPTION	T.P.	BY	APP. BY
1-1-97		RENUM. A-12.04, NEW REVISION BOX, REVISED TITLE BOX, ADDED QUANTITY CALCULATION BOX			R.D.
9-15-05		REVISED DESIGNER NOTE		M.A.	
10-16-06		REVISED RR3 QUALITY & TO 2007 SPEC.		M.A.	
	03-15-12	CHANGED NOTE 1.			R.D.

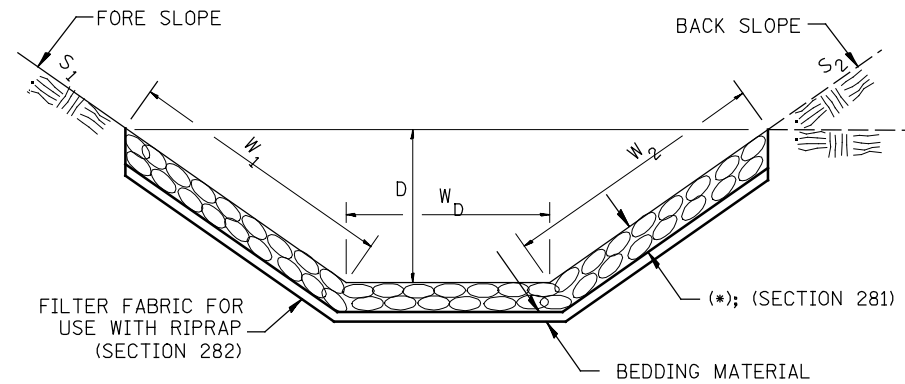
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AGGREGATE DITCH CHECK

NOT TO SCALE CADD STD. 280101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	121
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				

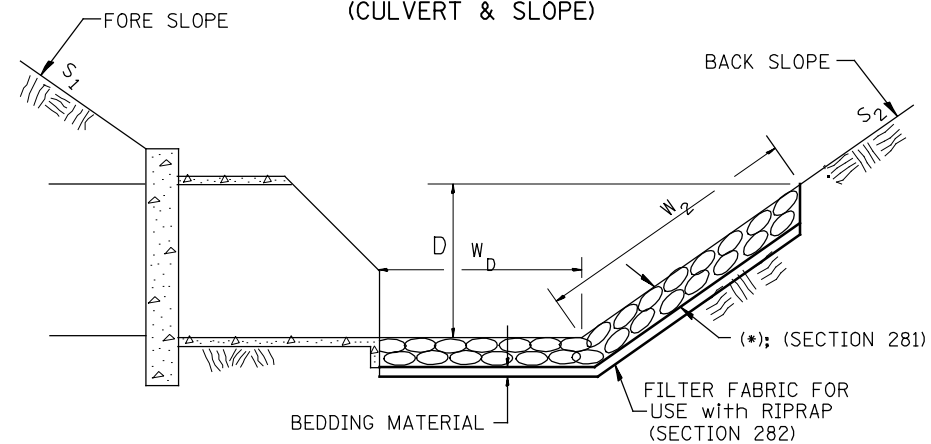
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
283+00 TO 284+25	17	125	158	237
283+50 TO 284+25	17	75	95	142
303+00 TO 304+00	14	100	104	156
303+00 TO 304+00	15	100	112	167
TOTAL			469	702

(1) WIDTH = W₁ + W₂ + W_D

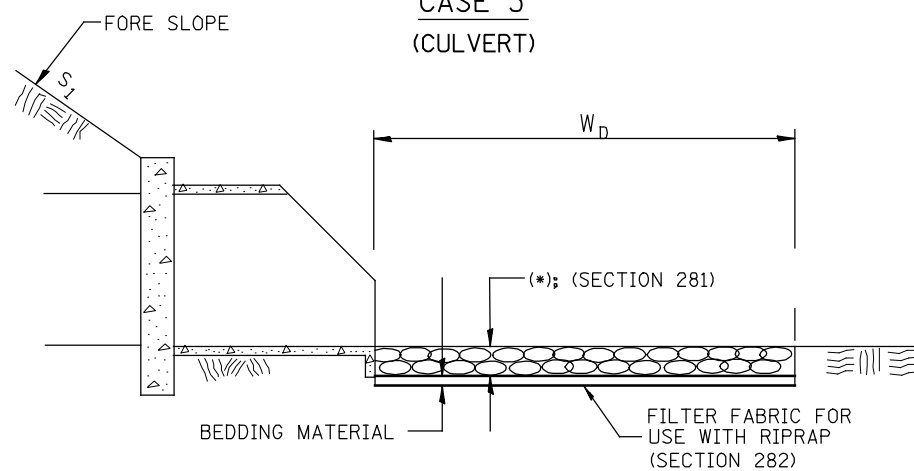
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
N/A				
TOTAL				

(1) WIDTH = W₂ + W_D

**CASE 3
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
SEE CULVERT EXTENSION DETAIL				
TOTAL				

(1) WIDTH = W_D

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
9-6-12	REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES	R.D.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

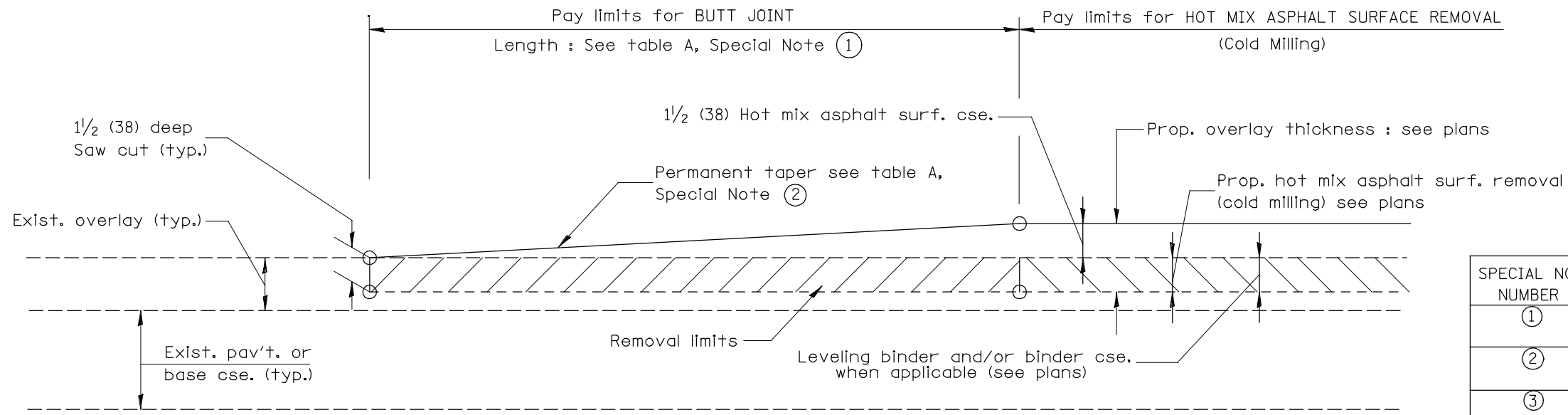
RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	122
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
 1. Include District Special Provision for Butt Joints & for Hot Mix Asphalt Removal (Cold Milling).
 2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Hot Mix Asphalt Removal (Cold Milling).



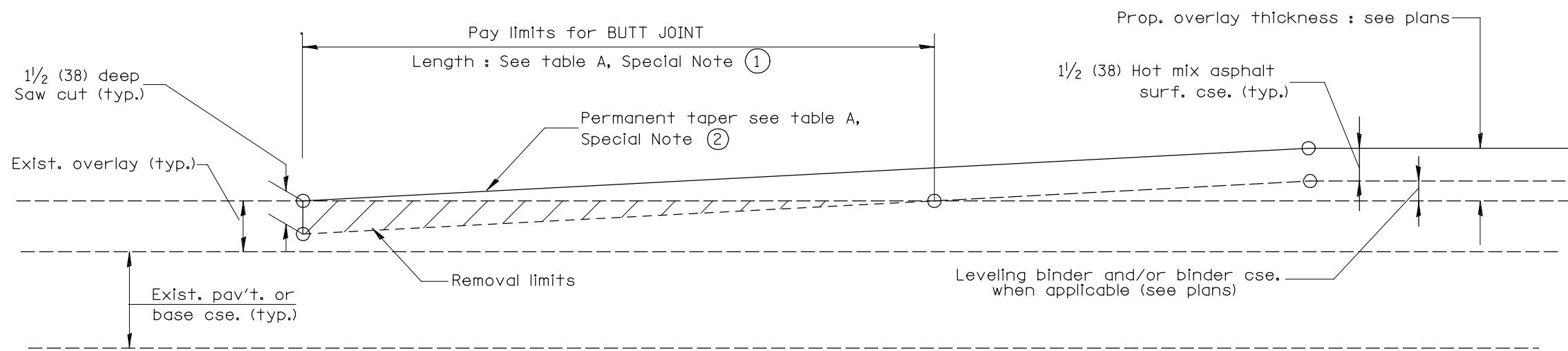
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

GENERAL NOTES

- The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
- The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



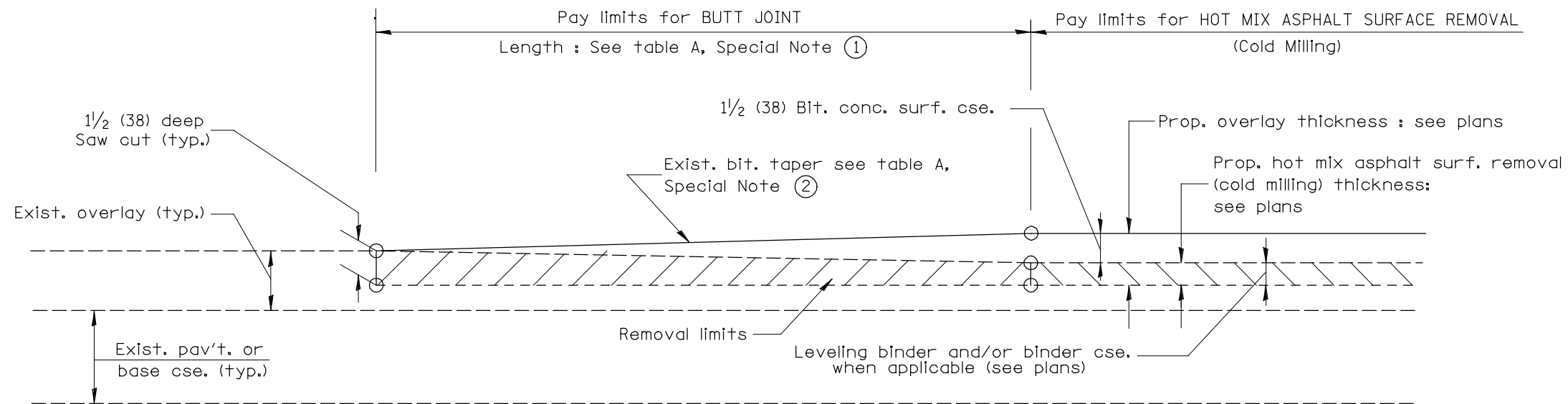
CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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

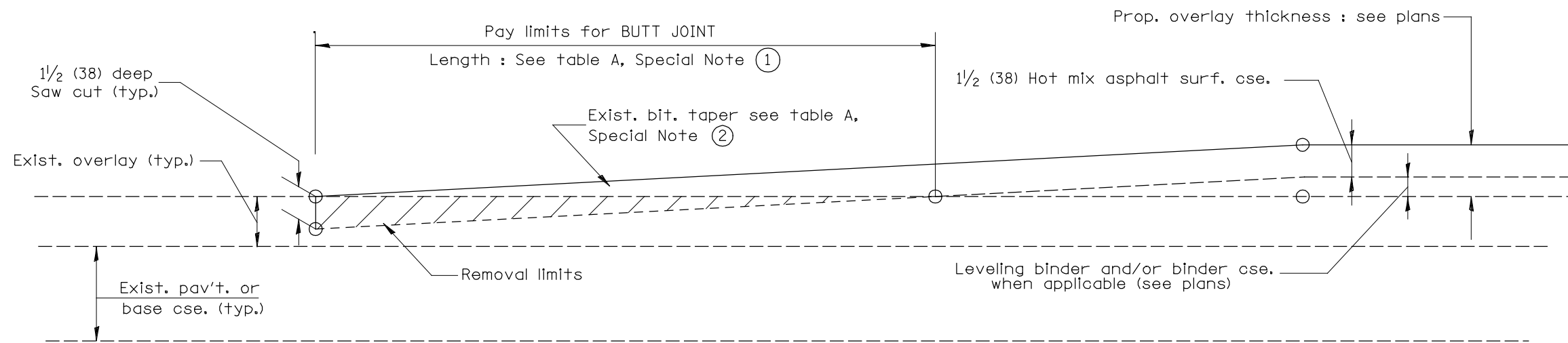
01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-01-97	CORRECTION TO DEPTH	J.A.						698	(125VBR)BR	MARSHALL	148	123
09-15-05	REVISED DESIGNER NOTE	M.M.A.								CONTRACT NO. 68580		
10-16-06	REVISED TO 2007 SPEC.	M.A.								ILLINOIS FED. AID PROJECT		

NOT TO SCALE

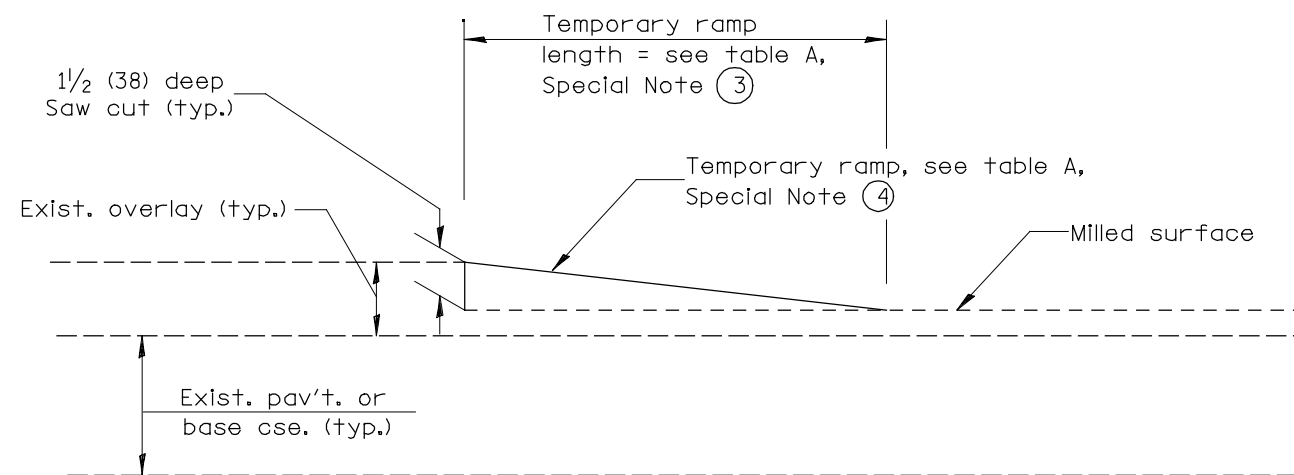
SHT. 1 OF 3
CADD STD. 406101-D4



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

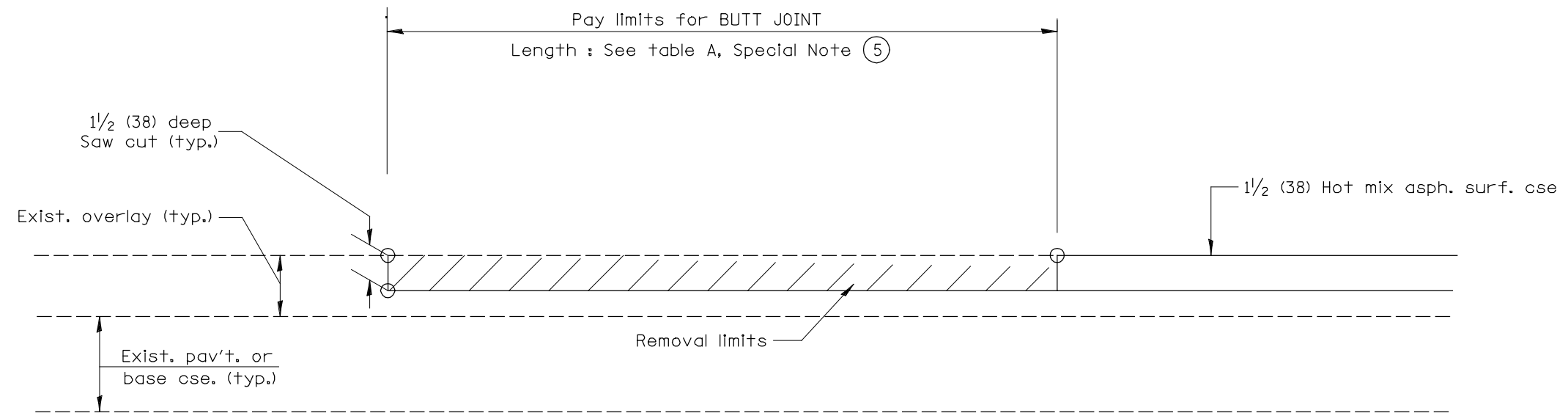
BUTT JOINTS

NOT TO SCALE

SHT. 2 OF 3
CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	124
			CONTRACT NO. 68580	

ILLINOIS FED. AID PROJECT



CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

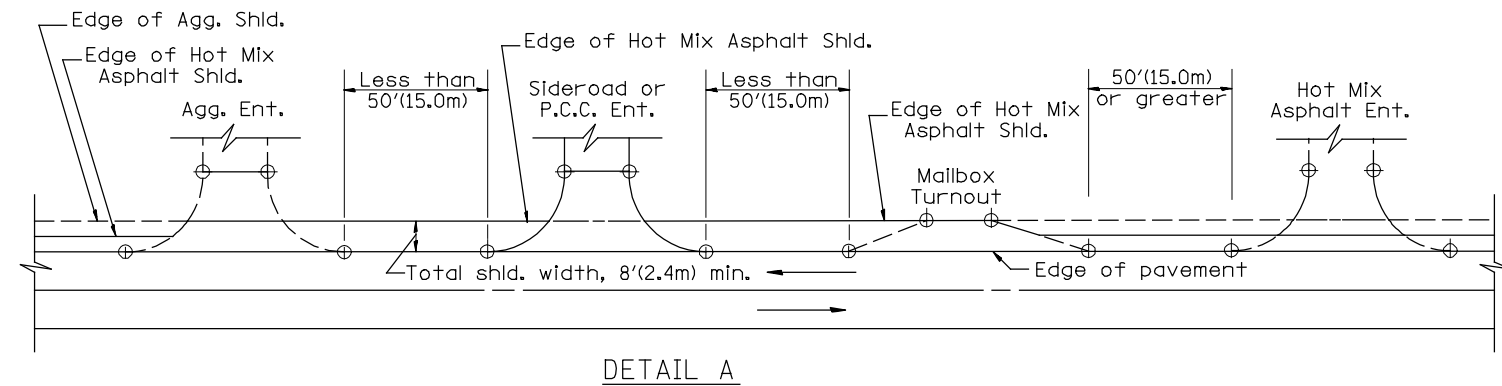
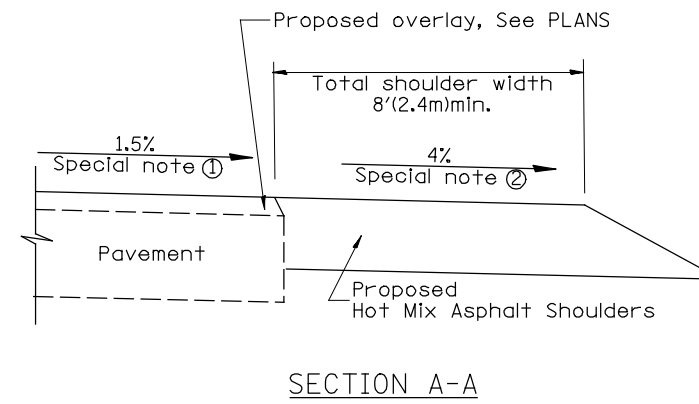
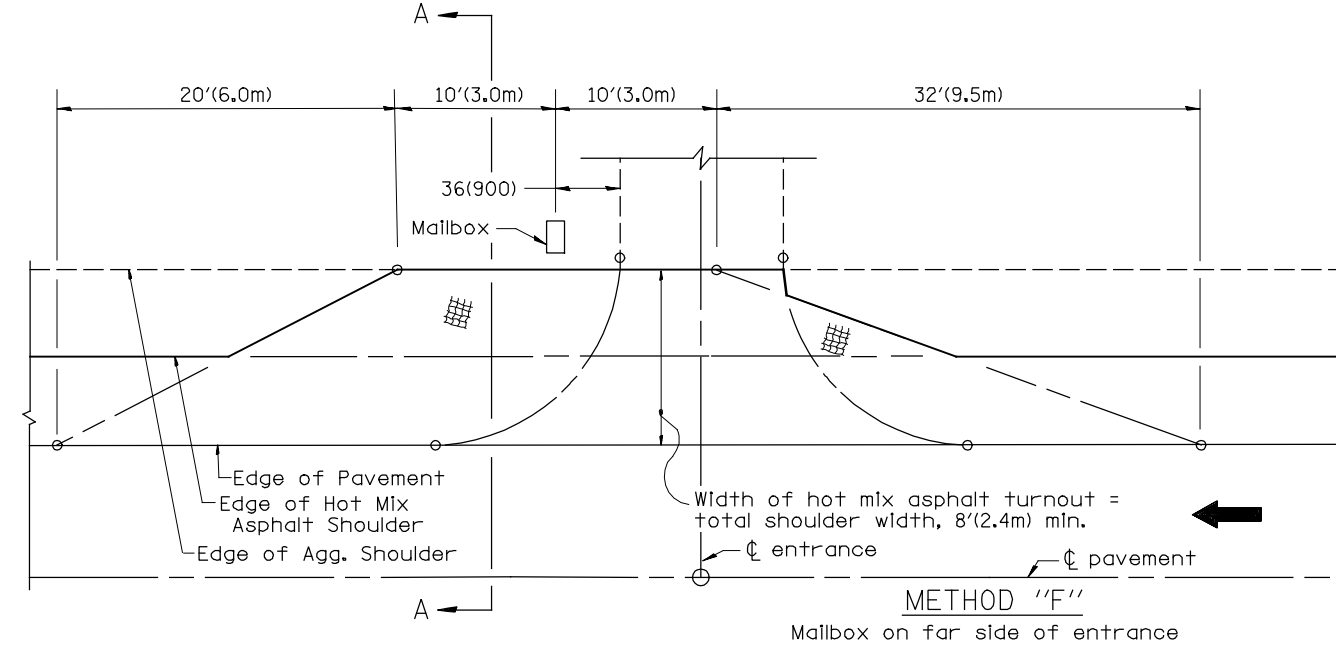
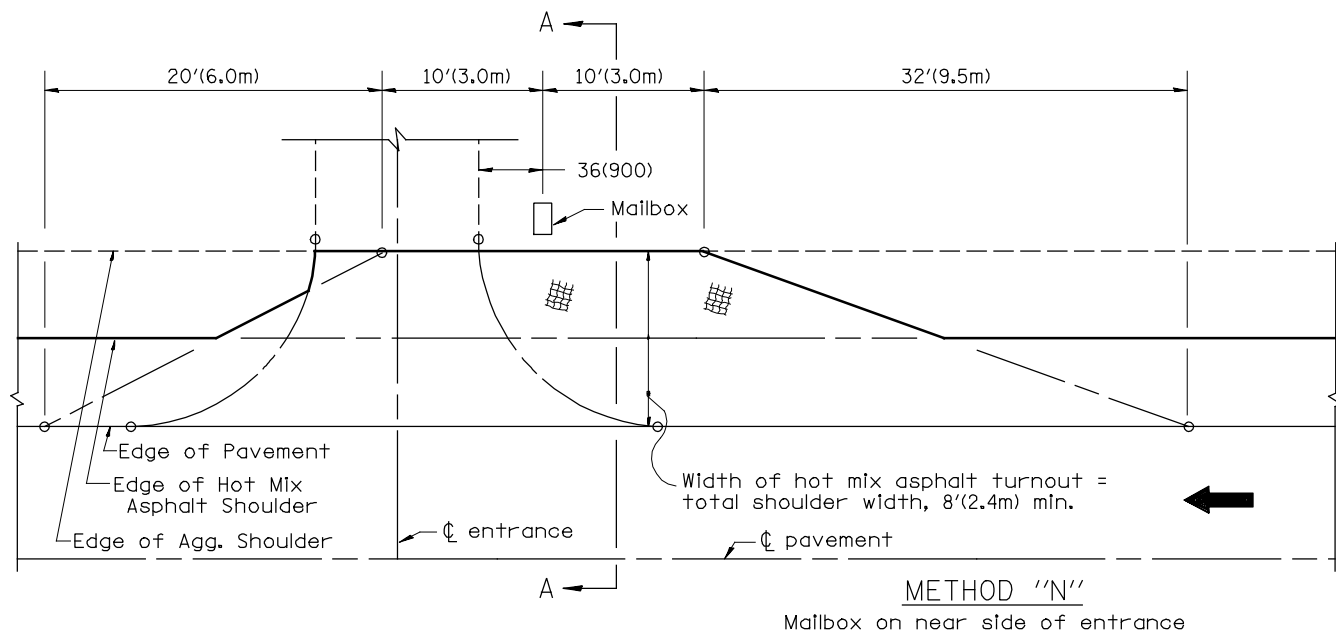
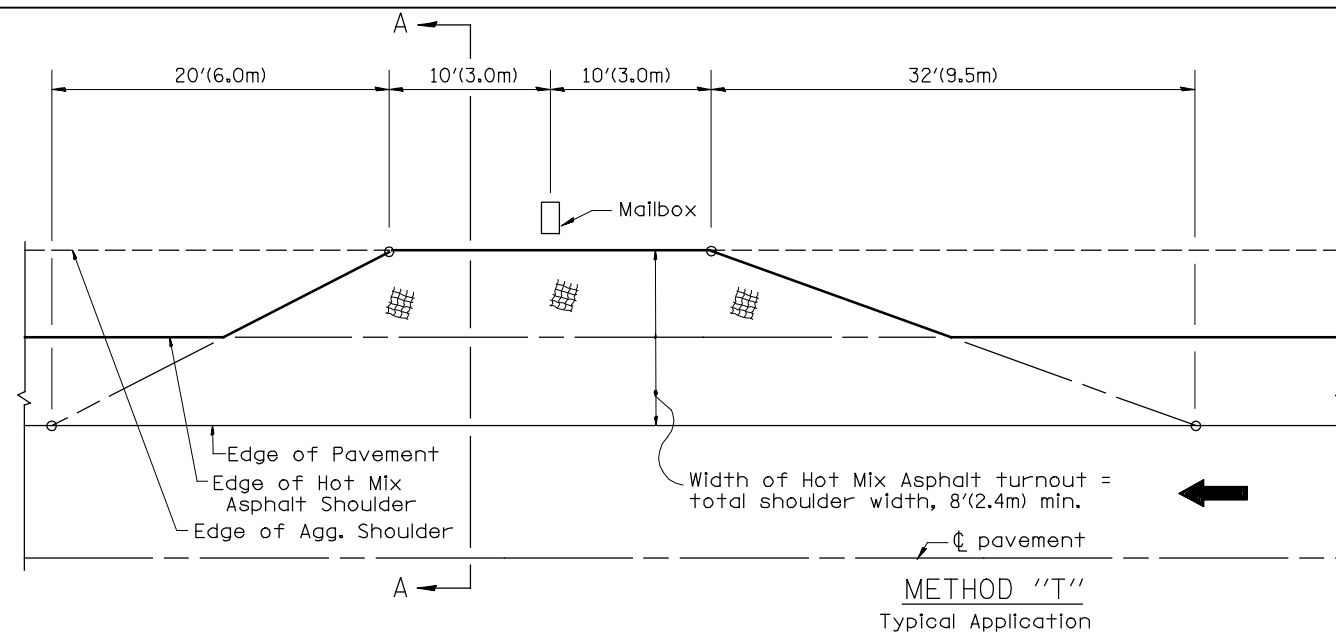
BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3
CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	125
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
 1. THIS DRAWING REPLACES STATE STANDARD 406201
 2. DESIGNER SHOULD CONSULT CHAPTER 49 OF THE BDE MANUAL



SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS, ENTRANCES, AND/OR MAILBOX TURNOUTS

GENERAL NOTES

1. Mailbox turnouts shall slope away from the pavement edge at a rate equal to the shoulder slope. See SECTION A-A.
2. The total shoulder width, 8'(2.4m) minimum, shall be paved between sideroads entrances and/or mailbox turnouts at locations where the distance between radius or taper control points is less than 50'(15.0m). See DETAIL A.
3. Mailboxes shall be mounted such that the face of the mailbox is 6(150) to 12(300) and the post a minimum of 24(600) from the edge of the turnout surfacing.

SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- ② The shoulder slope shall control the turnout slope. The standard cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6'(1.8m) and wider and 12% for shoulders 4'(1.2m) and less. Where 12(300) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

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

01-01-97	RENUM. C-90.01, NEW REVISION BOX	T.P.	
07-01-97	REVISE DESIGNER NOTES	J.A.	
09-15-05	REVISED DESIGNER NOTE	M.M.A.	
10-16-06	REVISED TO 2007 SPEC.	M.A.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUTS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406201-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	126
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				

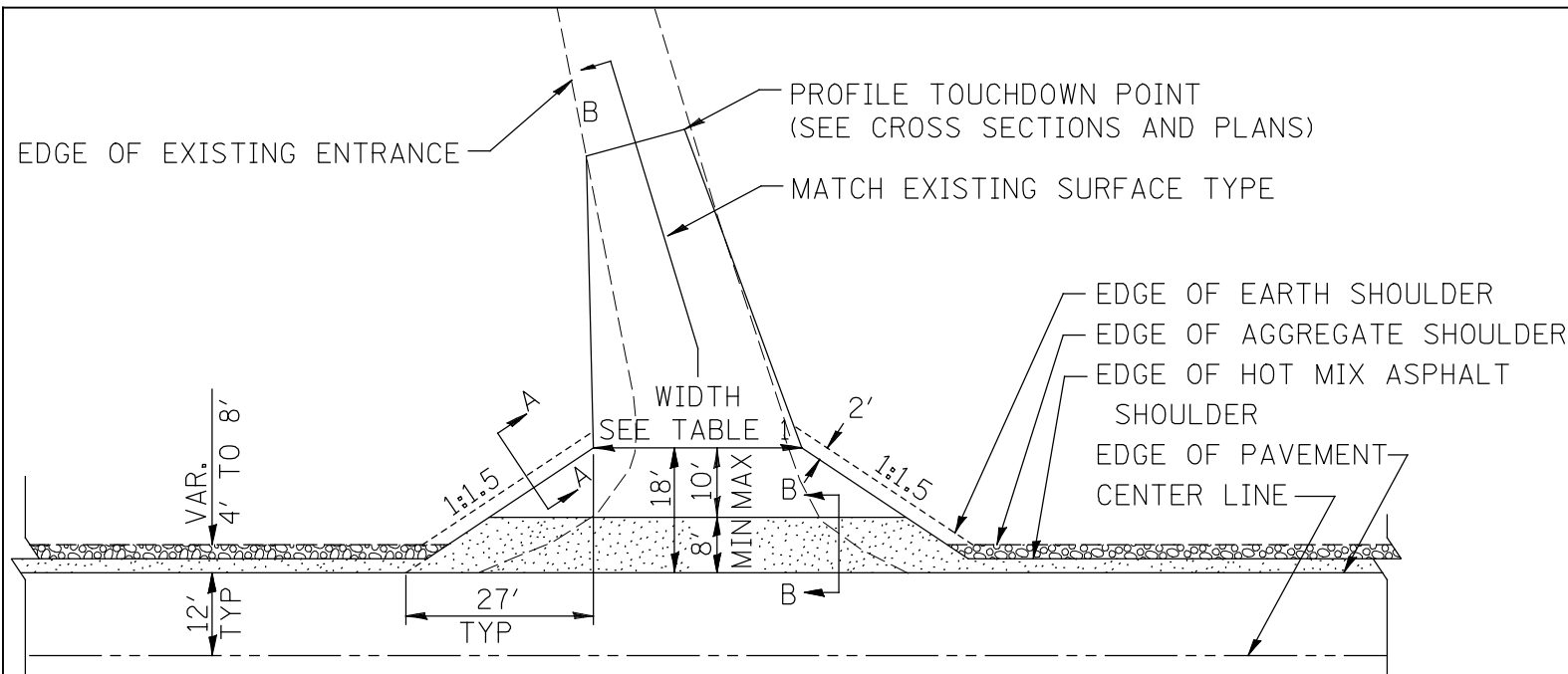
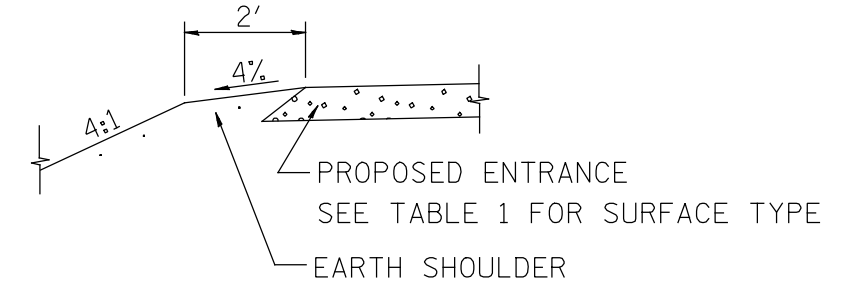


TABLE 1								
RURAL ENTRANCE DESIGN								
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT		COMMERCIAL			
					1-WAY OPERATION		2-WAY OPERATION	
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Max.	30' (9.0m)Max.	14'(4.3m) Min.	24'(7.2m) Max.	24'(7.2m) Min.	35'(10.7m) Max.
FLARE	1:1.5							
MAX. GRADE (G)	12%		12%		10%			
SURFACE TYPE								
INCIDENTAL HOT MIX ASPHALT SURFACING	6"		—		8"			
AGGREGATE SURFACE COURSE	6"		8"		8"			
PCC DRIVEWAY PAVEMENT	6"		—		7"			

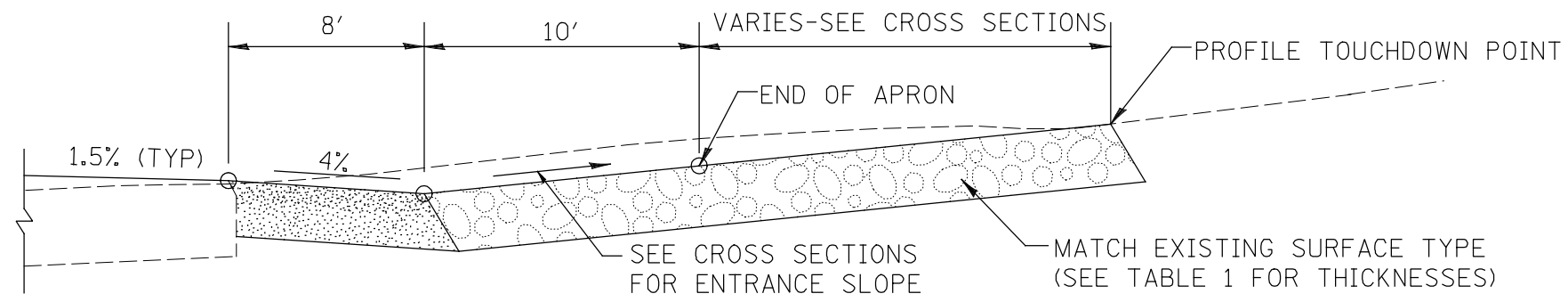


SECTION A-A
SHOULDER TREATMENT FOR RURAL ENTRANCES

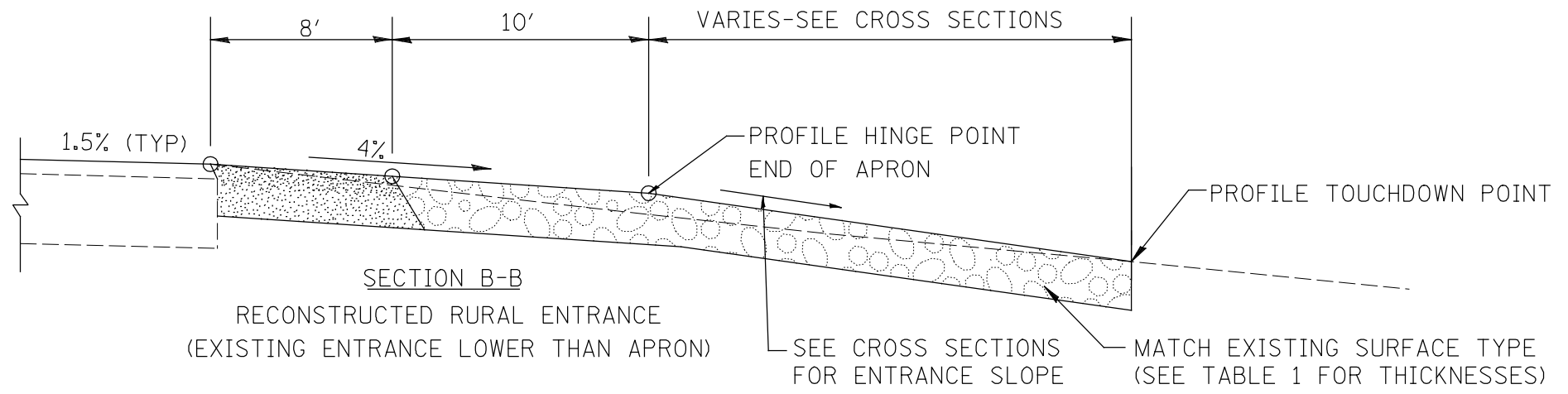
GENERAL NOTES

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.
- ALL REFERENCES TO THE EDGE OF PAVEMENT SHALL BE CONSIDERED TO BE THE EDGE OF TRAVEL LANE PAVEMENT MARKING LOCATED AT A 12' OFFSET FROM CENTERLINE.

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



SECTION B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE HIGHER THAN APRON)



SECTION B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE LOWER THAN APRON)

01-01-97	RENUM. C-103.06, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-01-97	REVISE DESIGNER NOTES	J.A.			
01-17-03	ADJUST DESIGN, CHANGE ENTRANCE	JATR			
09-15-05	RADIUS FOR FLARE	M.M.A.			

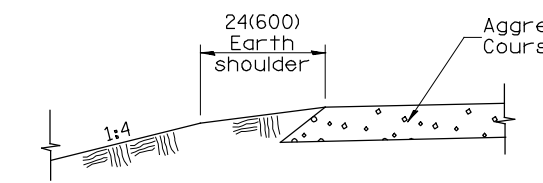
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCES FOR "3R" PROJECTS

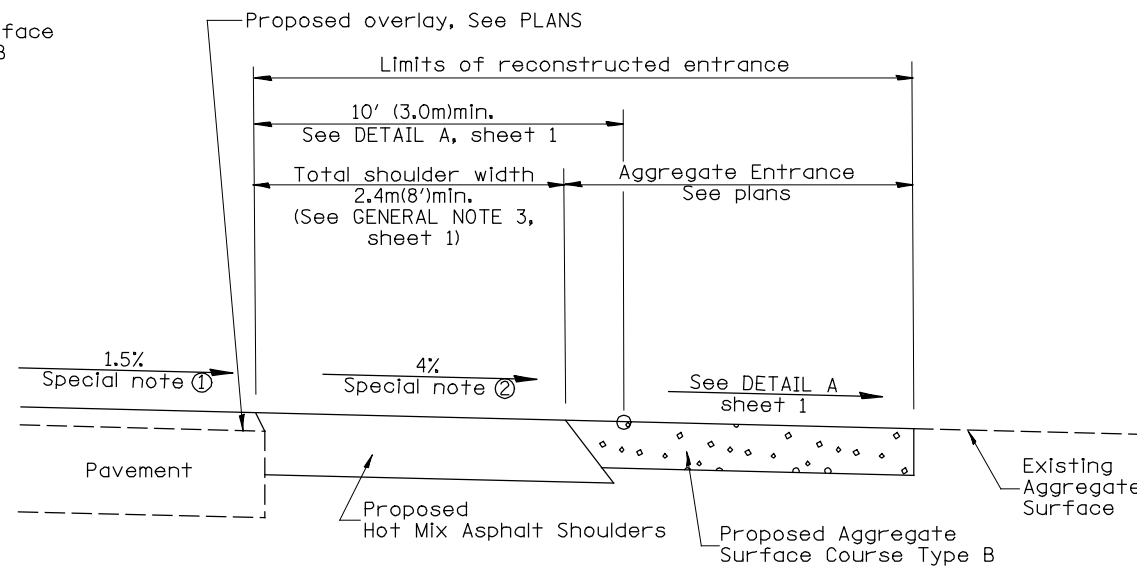
NOT TO SCALE

SHT. 1 OF 2
CADD STD. 406301-D4

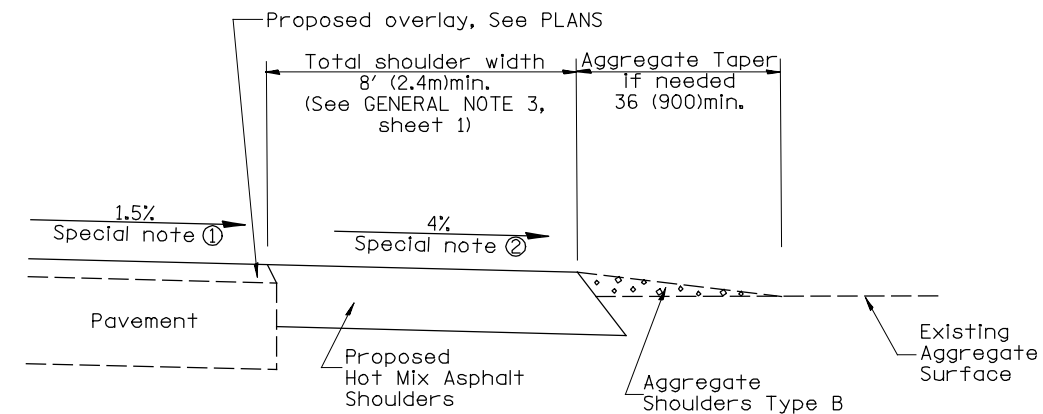
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	127
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				



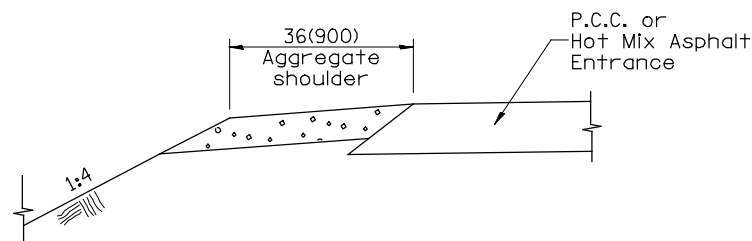
SECTION A-A
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



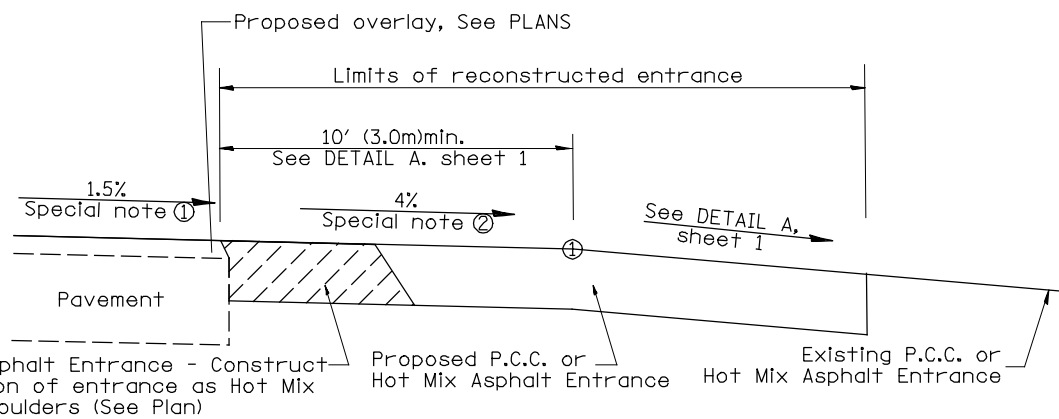
SECTION B-B
RECONSTRUCTED AGGREGATE ENTRANCE



SECTION B-B
EXISTING AGGREGATE ENTRANCE

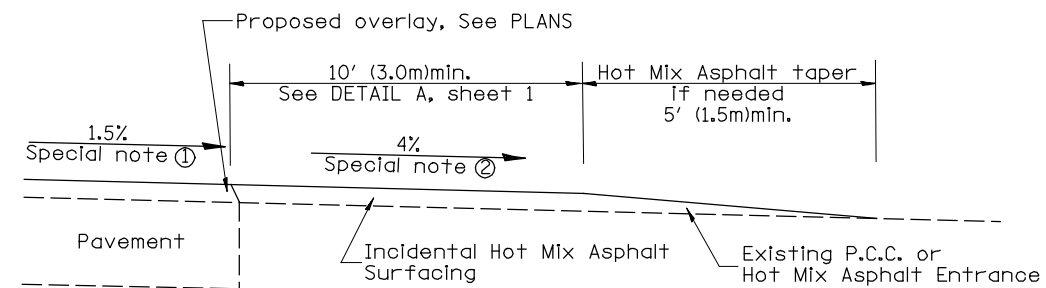


SECTION C-C
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES

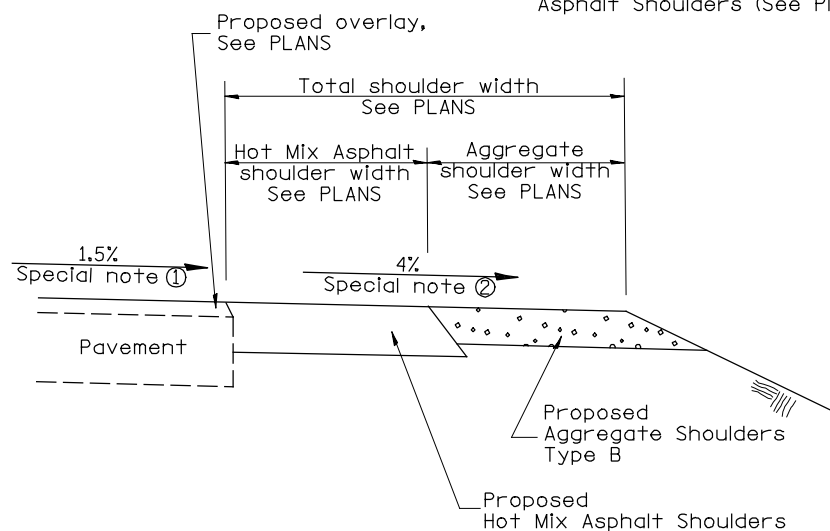


Hot Mix Asphalt Entrance - Construct this portion of entrance as Hot Mix Asphalt Shoulders (See Plan)

SECTION D-D
RECONSTRUCTED P.C.C. OR HOT MIX ASPHALT ENTRANCE



SECTION D-D
EXISTING P.C.C. OR HOT MIX ASPHALT ENTRANCE



SECTION E-E
MAINLINE SHOULDER TREATMENT

SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on super-elevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through super-elevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

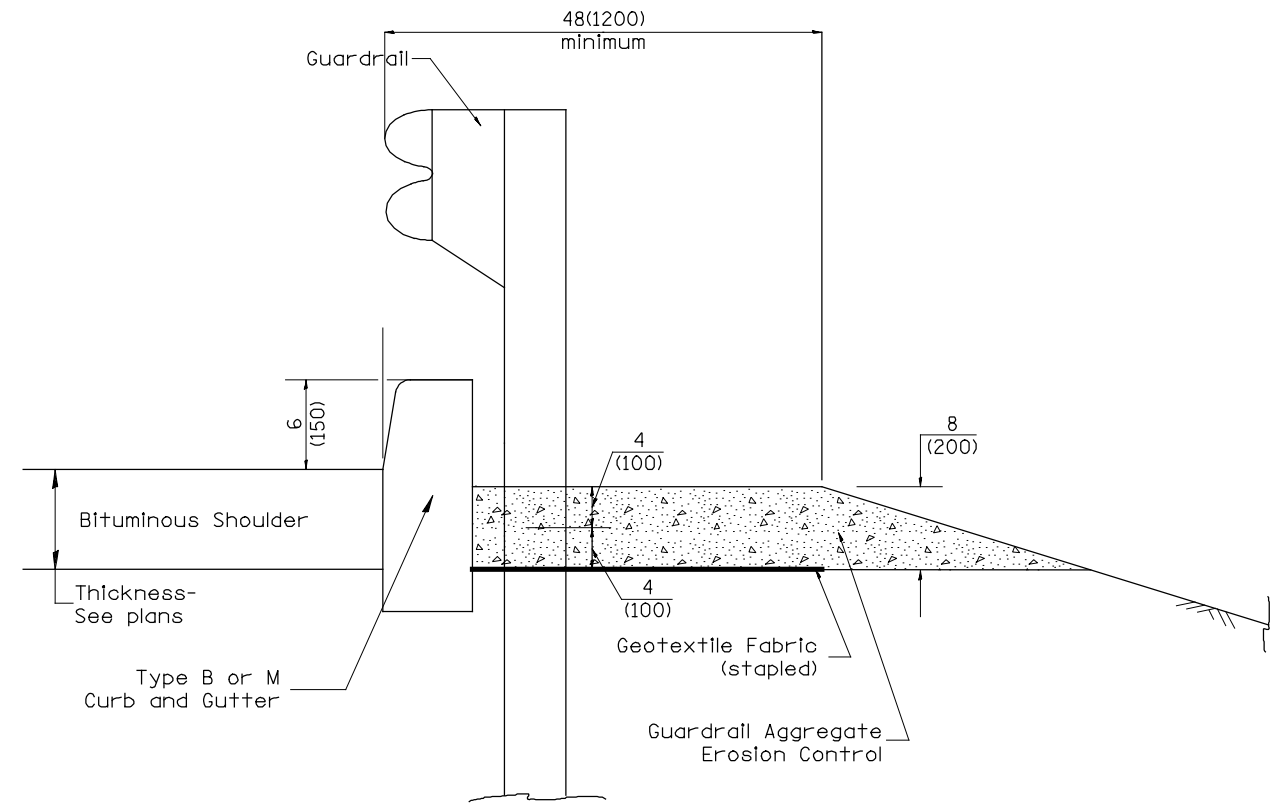
RURAL ENTRANCES FOR "3R" PROJECTS

NOT TO SCALE

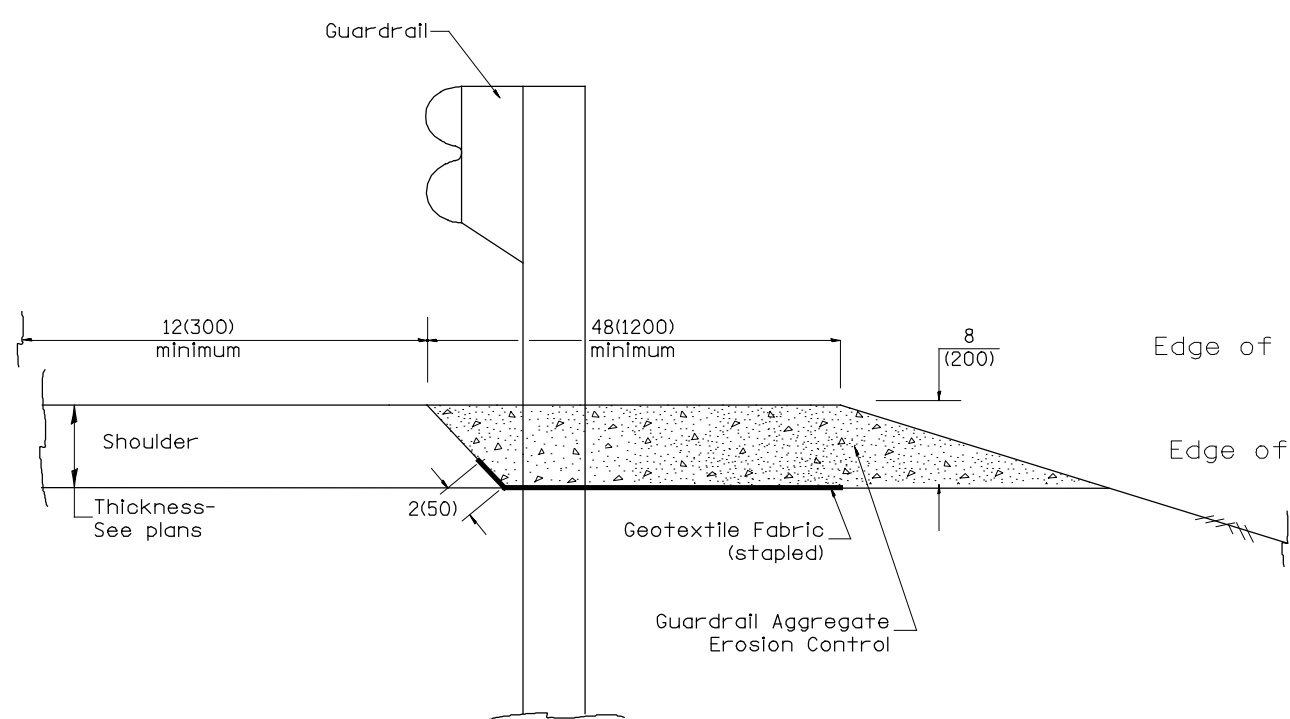
SHT. 2 OF 2
CADD STD. 406301-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	128
CONTRACT NO. 68580			ILLINOIS FED. AID PROJECT	

DESIGNER NOTES:
 1. Use EROSION CONTROL CURB at guardrail installations where grades are equal to or greater than 1% and at inlets. (Include District Special Provision)
 2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1%. (Include District Special Provision)
 3. Include State Standards 609001, 609006 or 610001 if applicable.
 4. Include the following District Cadd Standards as needed: Slope Drains for Exposed Pipes; Slope Drains for Buried Pipes; Seepage Collars for Buried Pipes; Seepage Collars for Exposed Pipes; Concrete Thrust Blocks and Pipe Elbow.
 5. Include District Special Provision "Aggregate Quality" for projects located in the Western Area of the District - approx. dividing line is IL 97.



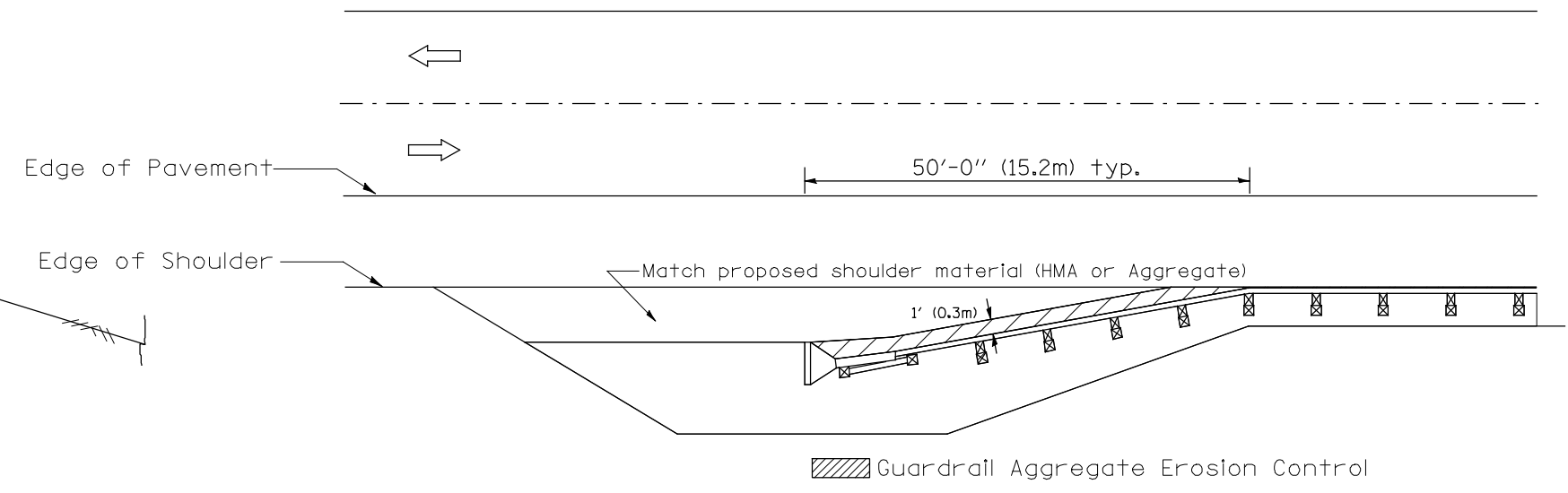
TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



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

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	3-7-11	Added Detail showing plan view	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	8-10-12	Revised curb "B" and aggregate	R.D.
11-03-00	CORRECTION TO NOTES	M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

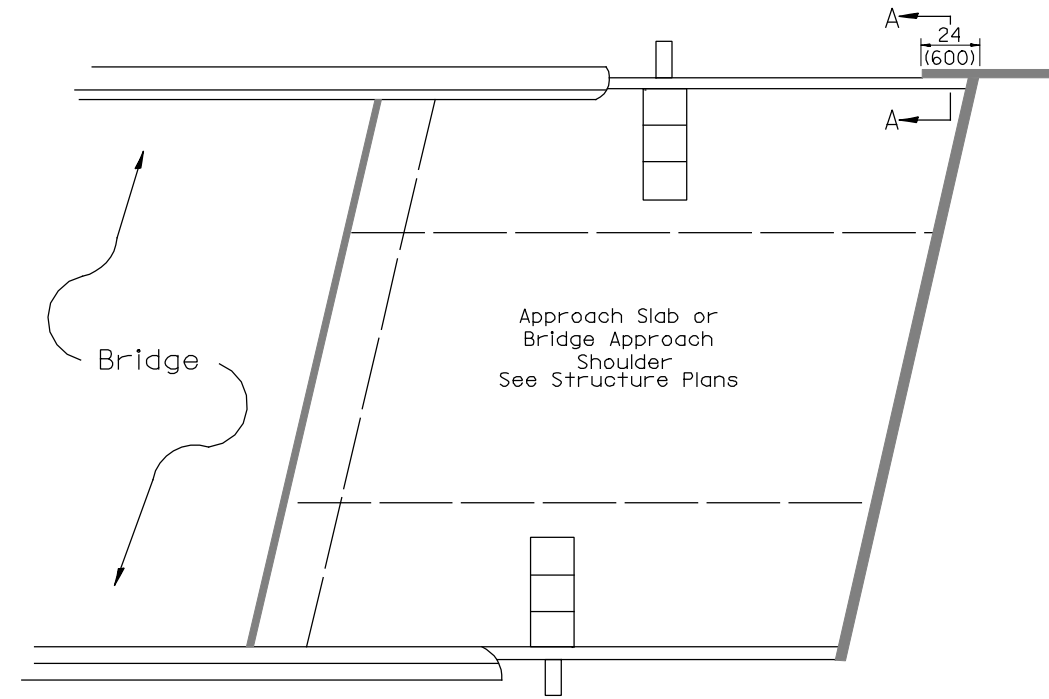
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

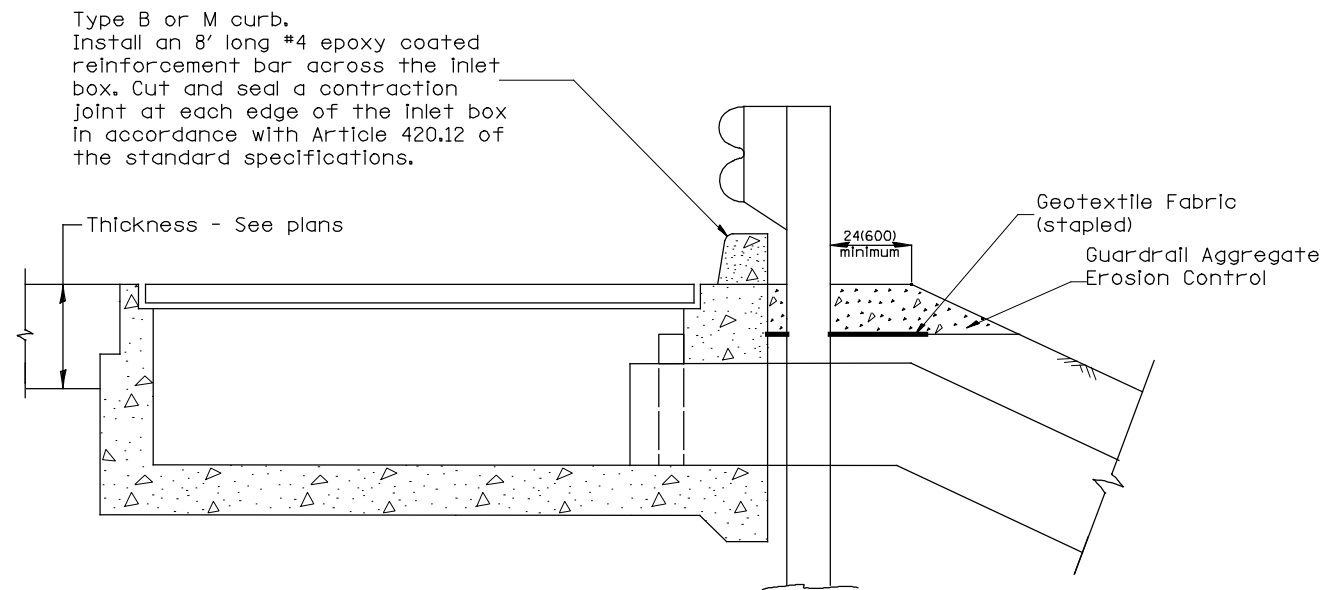
SHT. 1 OF 2
 CADD STD. 630101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	125VBR/BR	MARSHALL	148	129
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				

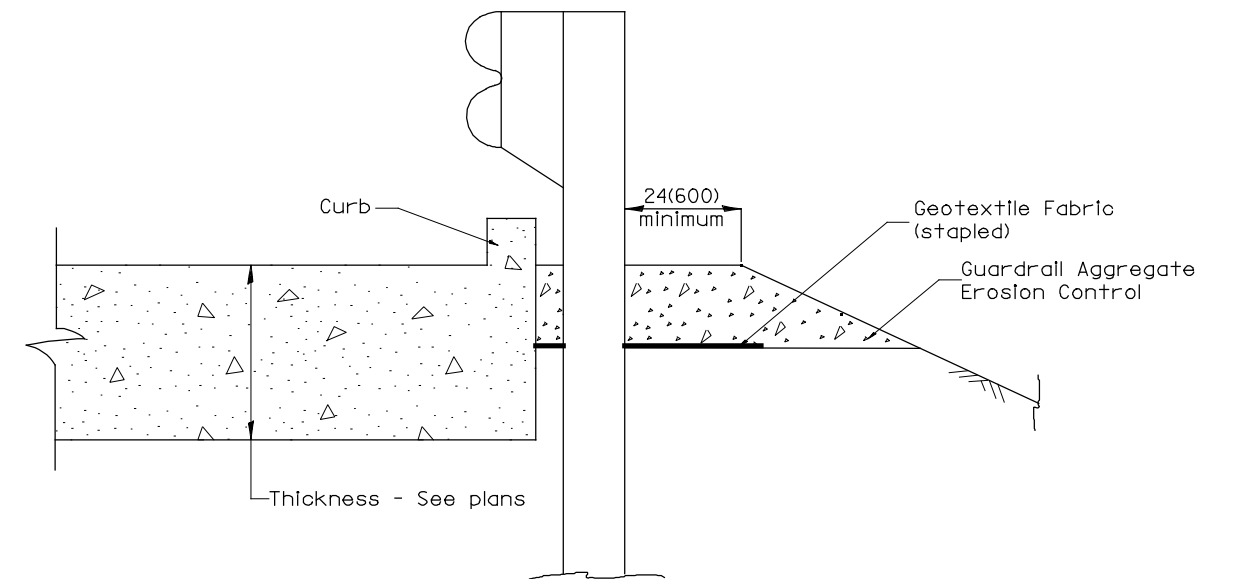


PLAN VIEW

APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)



TYPICAL SECTION AT INLETS
TYPE E & F (STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

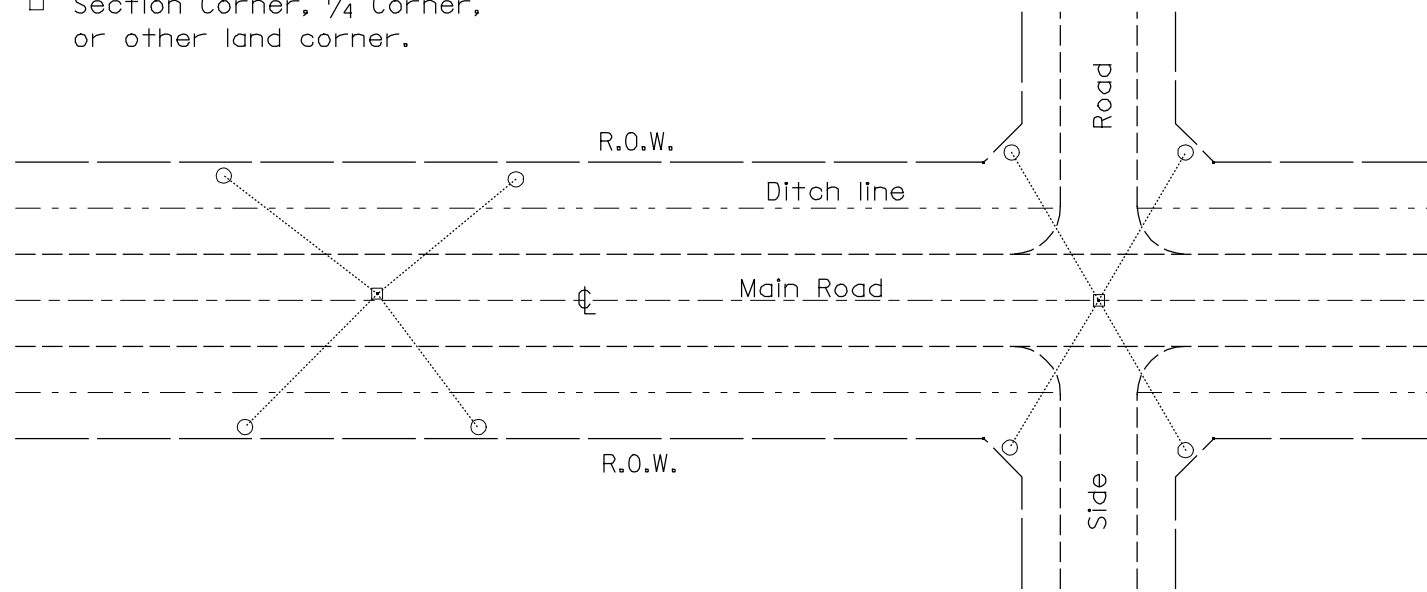
NOT TO SCALE

SHT. 2 OF 2
CADD STD. 630101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	130
			CONTRACT NO. 68580	
ILLINOIS FED. AID PROJECT				

PERMANENT SURVEY TIES

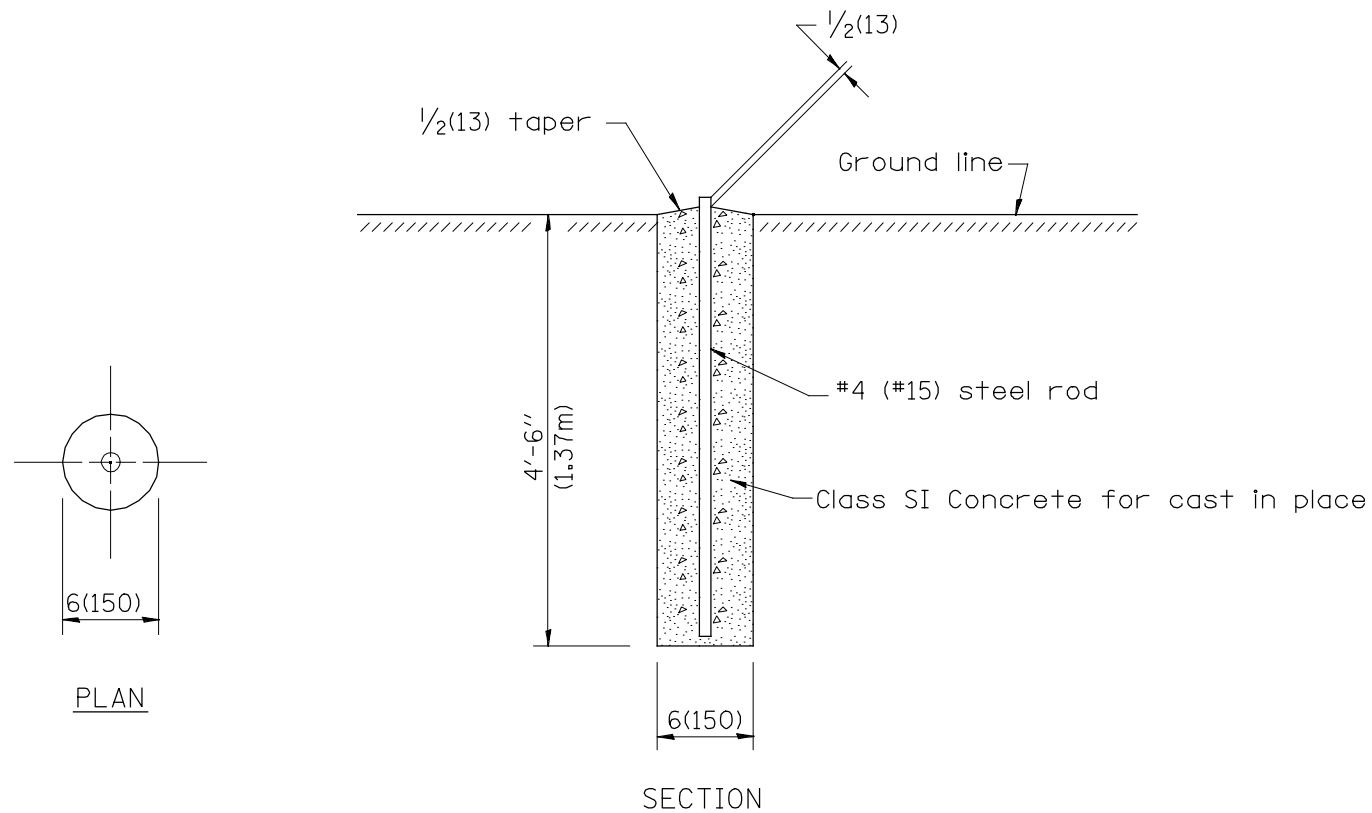
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



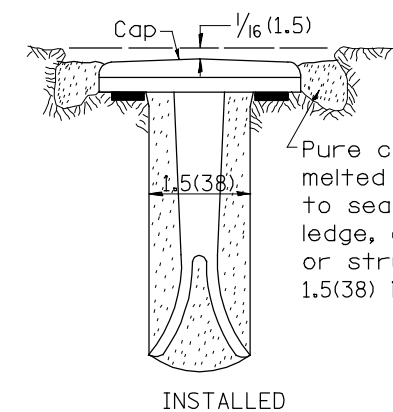
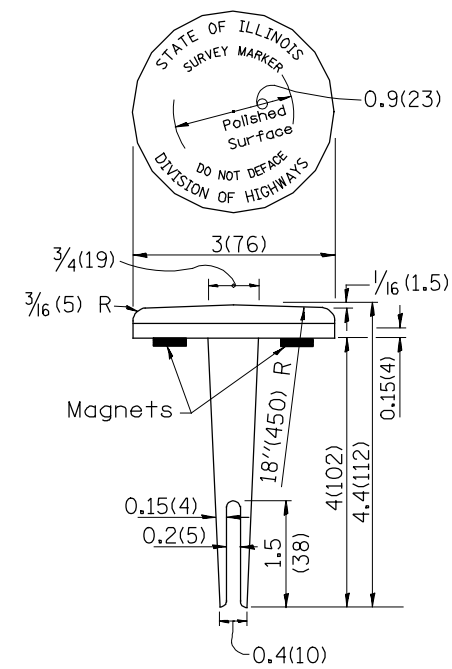
TYPICAL APPLICATION

GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS



PERMANENT SURVEY MARKERS

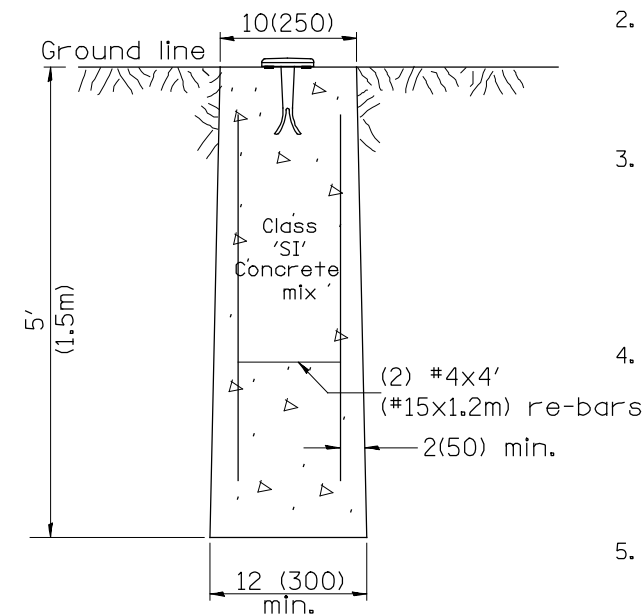


Pure cement and water or melted sulfur. User to seal tablet in rock ledge, concrete pavement or structure, set in hole 1.5(38) in diameter.

TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE TYPE II

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

DESIGNER NOTES:
 1. ADD DISTRICT SPECIAL PROVISION IF PLACING A TYPE I MARKER ON A STRUCTURE.
 2. MODIFIES STATE STD 667101. DON'T USE STATE STD IF USING CADD STANDARD
 3. PERMANENT SURVEY MARKERS SHALL BE PLACED TO PERPETUATE THE SURVEY LINES OF DIVIDED HIGHWAYS AND THE CENTERLINE OF ALL OTHERS WHERE THESE LINES HAVE BEEN ESTABLISHED BY SURVEY.
 4. PERMANENT SURVEY MARKERS SHALL BE PLACED AT ALL LAND SECTION CORNERS WITHIN THE STATE R.O.W. WHERE THE MONUMENTS HAVE BEEN FOUND OR RELOCATED BY SURVEY.

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.			
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

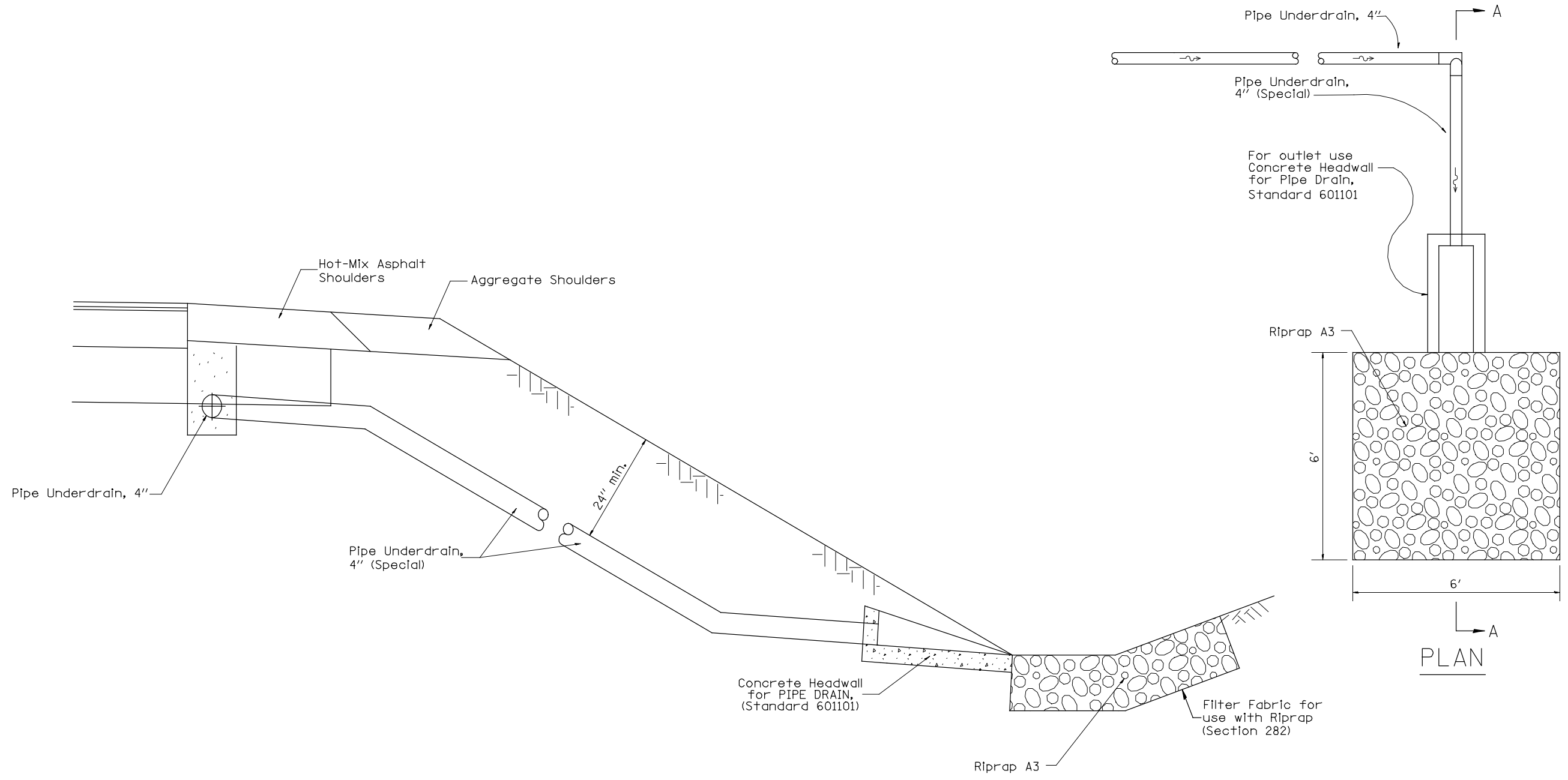
**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

NOT TO SCALE

CADD STD. 667101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	131
CONTRACT NO. 68580			ILLINOIS FED. AID PROJECT	

DESIGNER NOTES:
 1. LOCATIONS AND SIZES OF BACKSLOPE DRAINS DEFINED IN GEOTECHNICAL REPORT OR BY THE GEOTECHNICAL ENGINEER.
 2. GENERAL GUIDES FOR SIZES: OVER 500'(150 m); USE 6(150), UNDER 500'(150 m); USE 4(100).
 3. INCLUDE STANDARD 601101 FOR "CONCRETE HEADWALL FOR PIPE DRAIN".
 4. INCLUDE DISTRICT SPECIAL PROVISIONS.



SECTION A-A

GENERAL NOTES:

1. This work shall be done in accordance with the applicable portion of Articles 601 and 207 of the Standard Specifications.

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

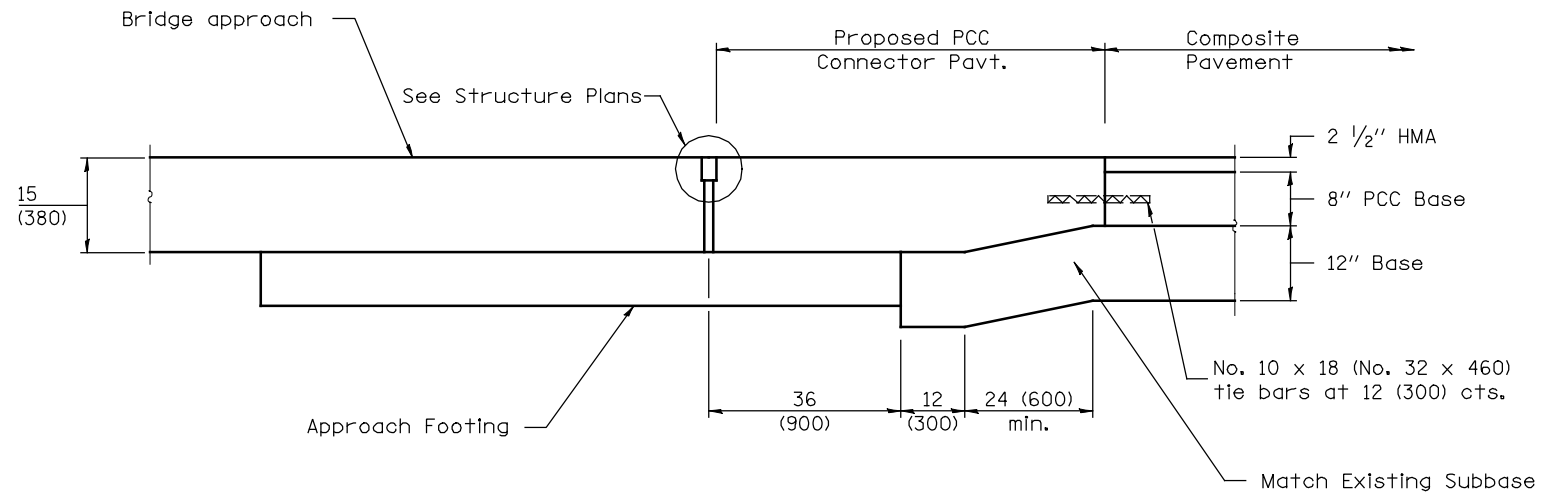
**PIPE UNDERDRAIN OUTLET
 LT. & RT. STA. 290+80.00 AND STA. 302+85.00**

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	132
CONTRACT NO. 68580				

ILLINOIS FED. AID PROJECT

DESIGNER NOTE:
 1. Include Standards 420001, 601101 and 420401 in plans.



SECTION B-B - RIGID PAVEMENT

GENERAL NOTES:

1. All work shall be done in accordance with Standard IDOT 420401 except as shown herein.
2. The bridge approach pavement connector (pcc) shall be constructed similar to section G-G for existing construction rigid pavement as shown standard IDOT 420401.

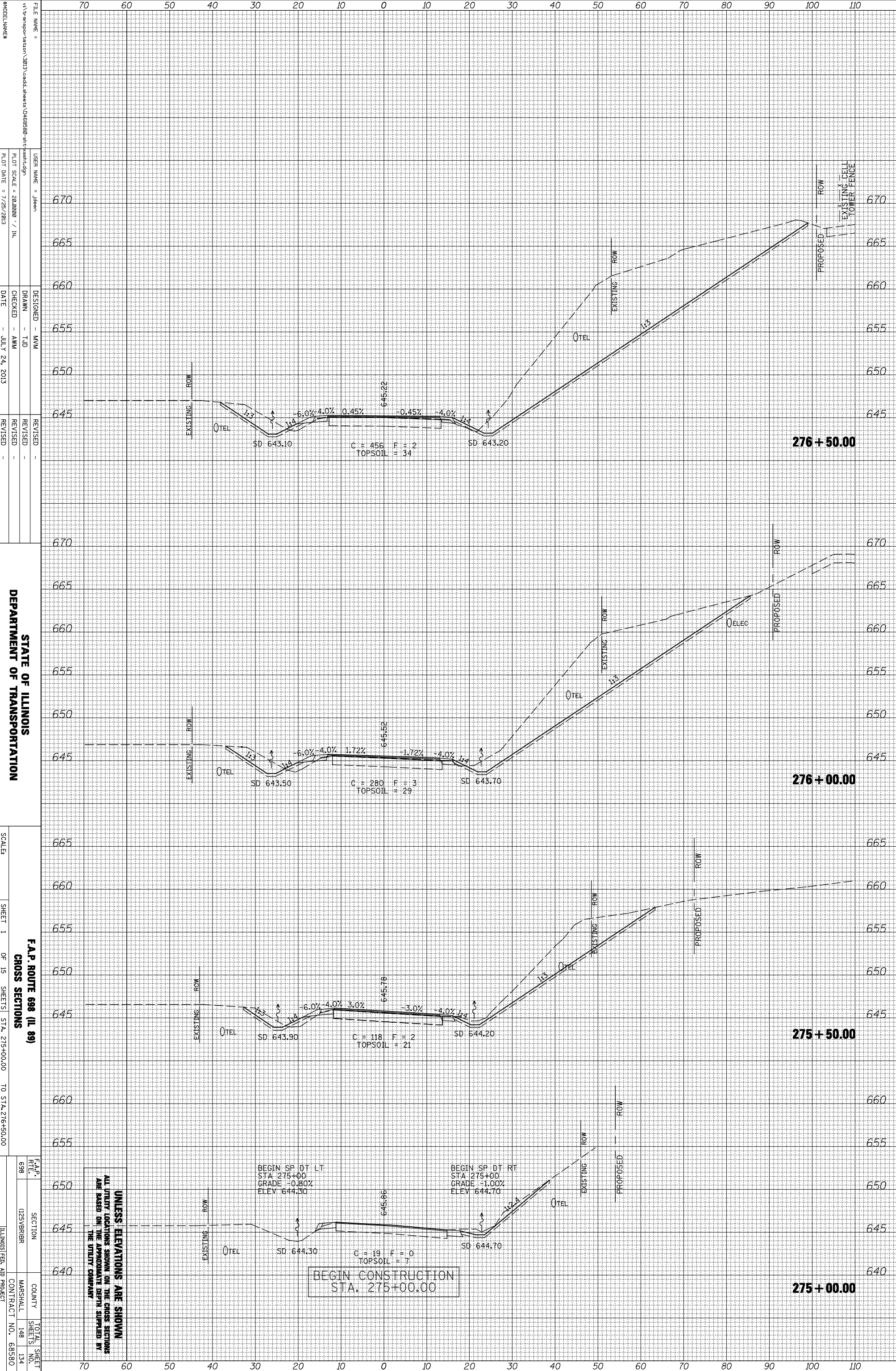
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. H-6.09, NEW REVISION BOX, NOTES	T.P.			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
02-22-97	REVISED SECTION A-A						698	(125VBR)BR	MARSHALL	148	133	
03-01-97	CORRECT STD. NO. IN NOTES	J.A.							CONTRACT NO. 68580			
10-16-06	REVISED TO 2007 SPEC.	M.A.							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

NOT TO SCALE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



UNLESS ELEVATIONS ARE SHOWN
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
THE UTILITY COMPANY.

BEGIN CONSTRUCTION
STA. 275+00.00

FILE NAME = V:\transportation\2013\cadd\sheet\0468580-ah\sheet.dgn
DESIGNED - MMW
DRAWN - TJD
CHECKED - AMW
DATE - JULY 24, 2013
REVISOR -
REVISION -
REVISION -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 1 OF 15 SHEETS STA. 275+00.00 TO STA. 276+50.00

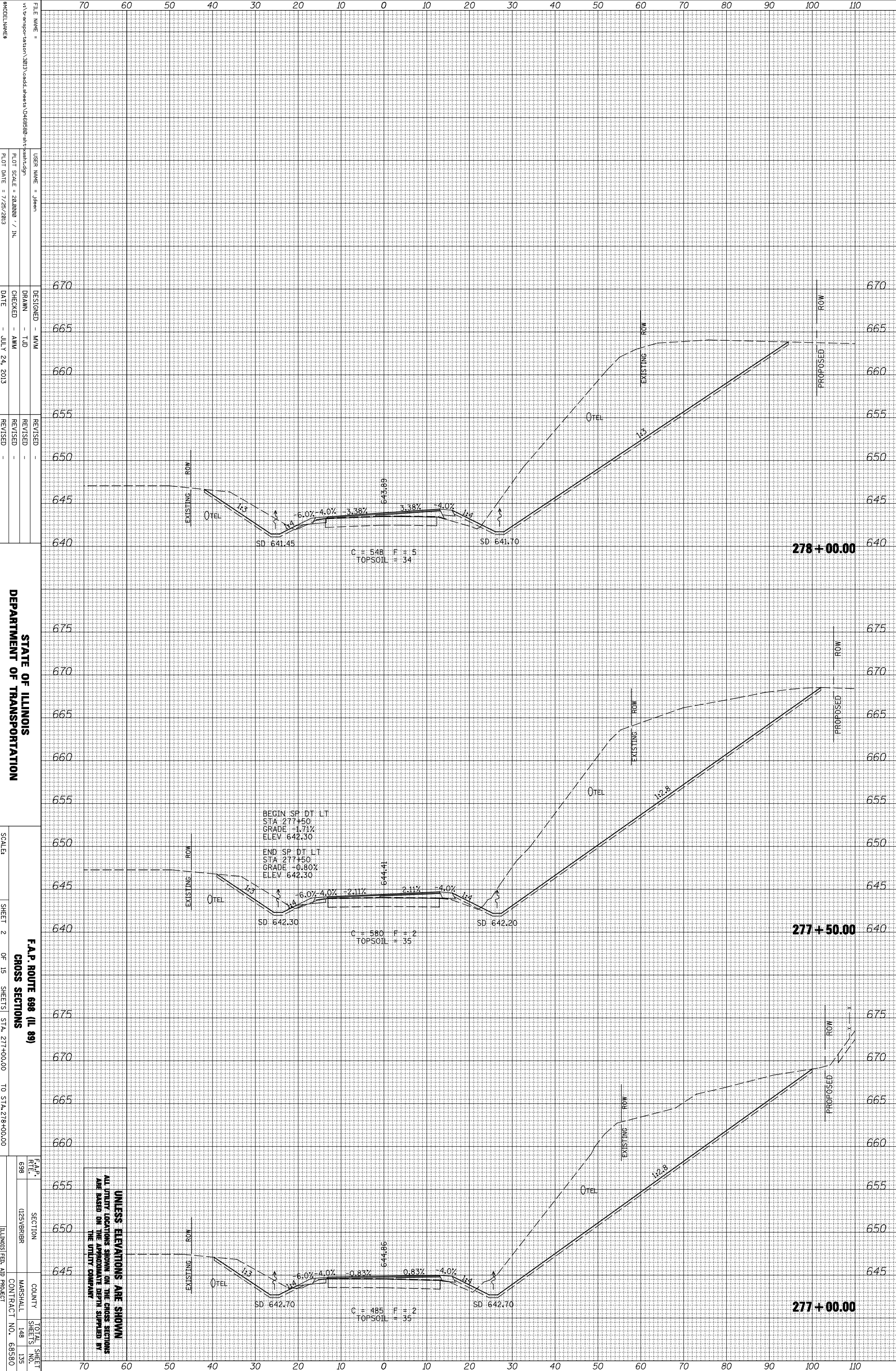
F.A.P. ROUTE 698 (IL 89)
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148
			134
		CONTRACT NO.	68580

ILLINOIS FED. AID PROJECT

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

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



FILE NAME =
 USER NAME = Jdean
 DESIGNED - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
 REVISIONS -

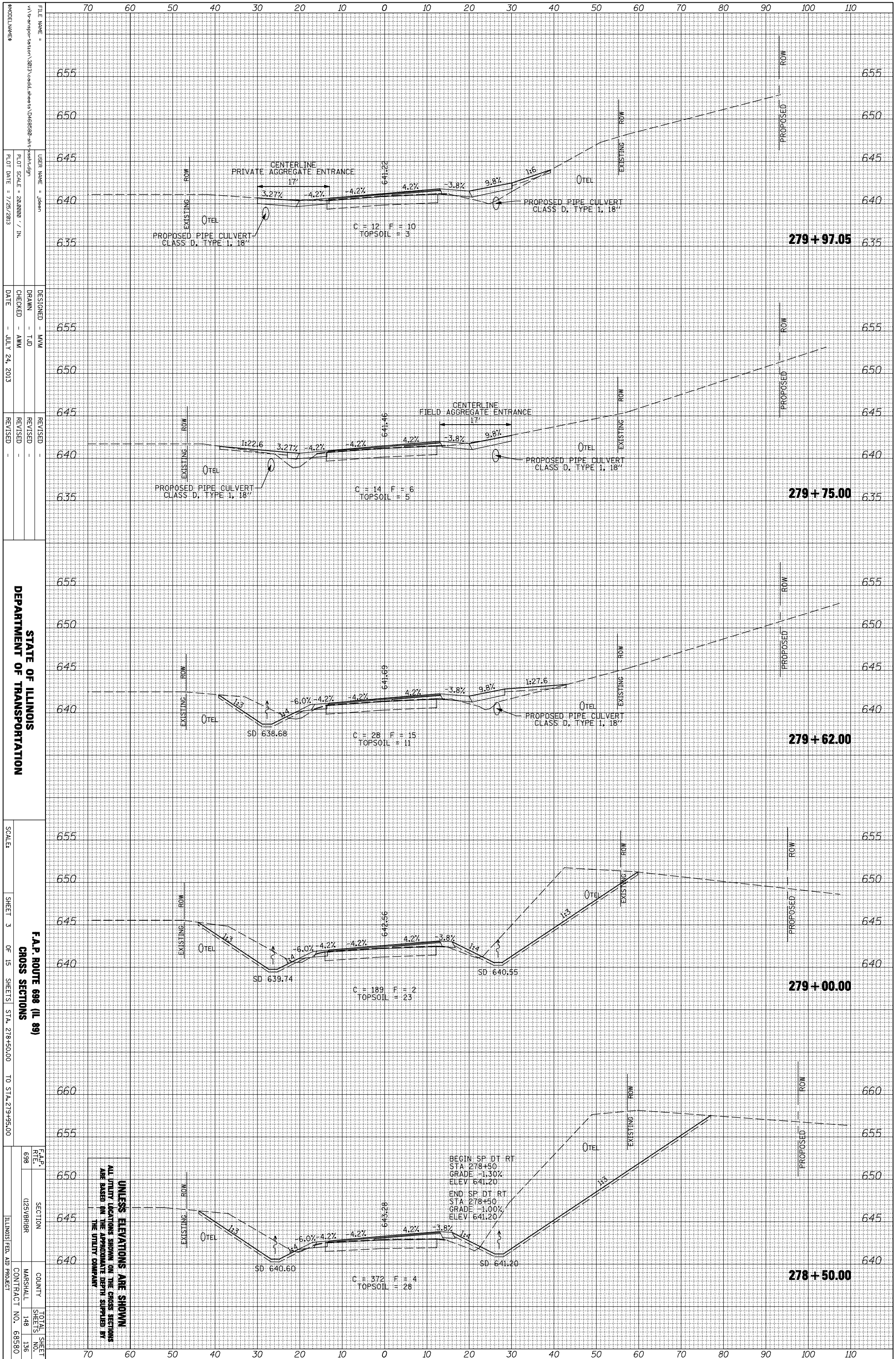
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SHEET 2 OF 15 SHEETS STA. 277+00.00 TO STA. 278+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148
			135
			CONTRACT NO. 68580
			ILLINOIS FED. AID PROJECT

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

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



UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY.

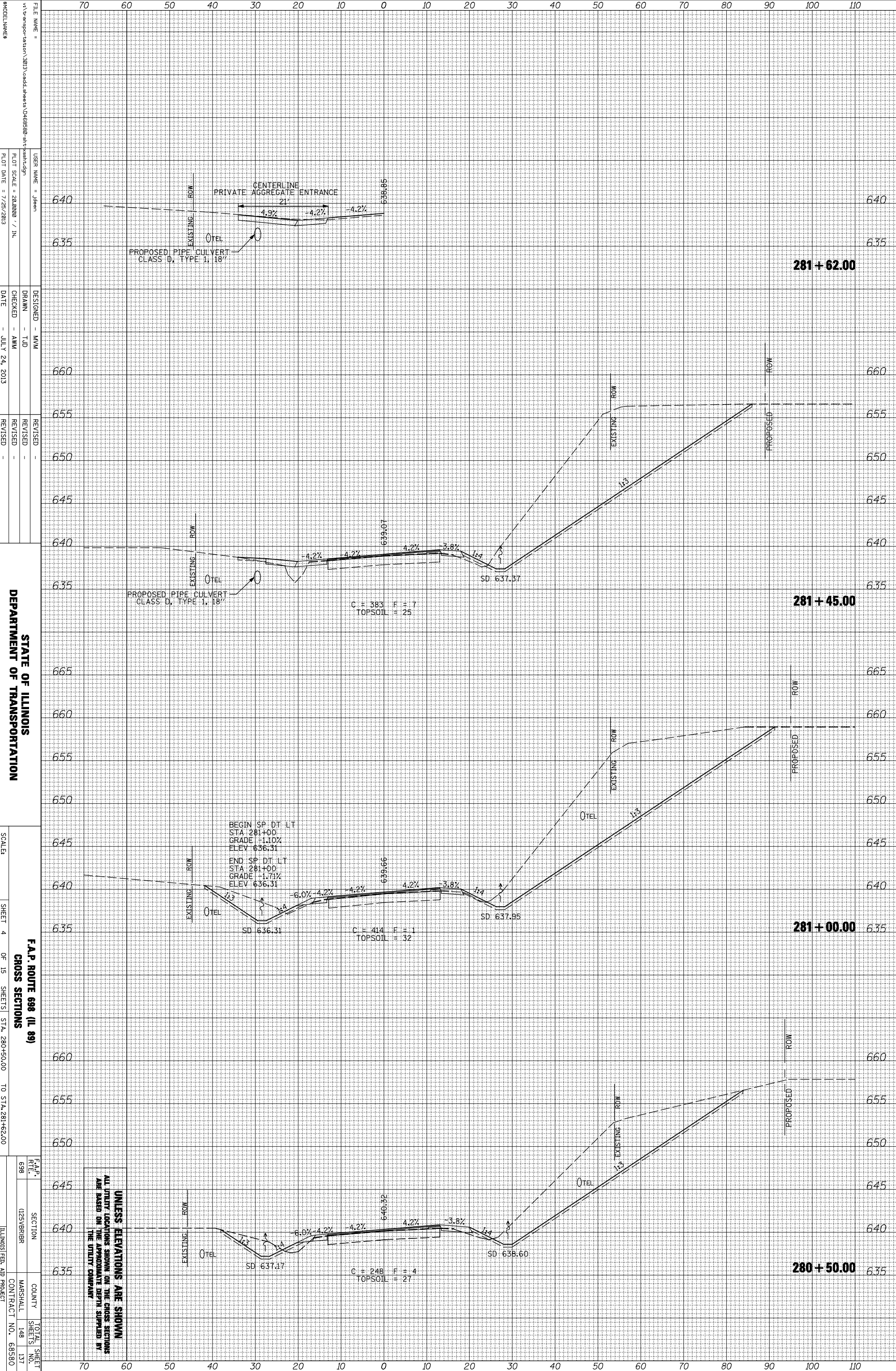
BEGIN SP DT RT
STA: 278+50
GRADE: -1.30%
ELEV: 641.20

END SP DT RT
STA: 278+50
GRADE: -1.60%
ELEV: 641.20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 698 (IL 89)
CROSS SECTIONS
 SHEET 3 OF 15 SHEETS STA. 278+50.00 TO STA. 279+95.00
 SCALE: _____
 DESIGNED - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
 REVISED - _____
 FILE NAME - J:\Users\jordan\Documents\2013\oadd_files\046580-ah\ah\ah.dgn
 USER NAME - J:\Users\jordan
 PLOT SCALE - 28.0000 / 1" IN.
 PLOT DATE - 7/26/2013
 F.A.P. R.T.E. 698
 SECTION 125VBRBR
 COUNTY MARSHALL
 CONTRACT NO. 68580
 TOTAL SHEET 148 SHEETS NO. 136
 ILLINOIS FED. AID PROJECT

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

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



UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY.

FILE NAME = V:\transportation\2013\cadd\sheet\0465898-sh-fresh.dgn

USER NAME = Jdean

DESIGNED - MMW

DRAWN - TJD

CHECKED - AMW

DATE - JULY 24, 2013

REVISOR -

REVISION -

REVISION -

REVISION -

REVISION -

REVISION -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 4 OF 15 SHEETS STA. 280+50.00 TO STA. 281+62.00

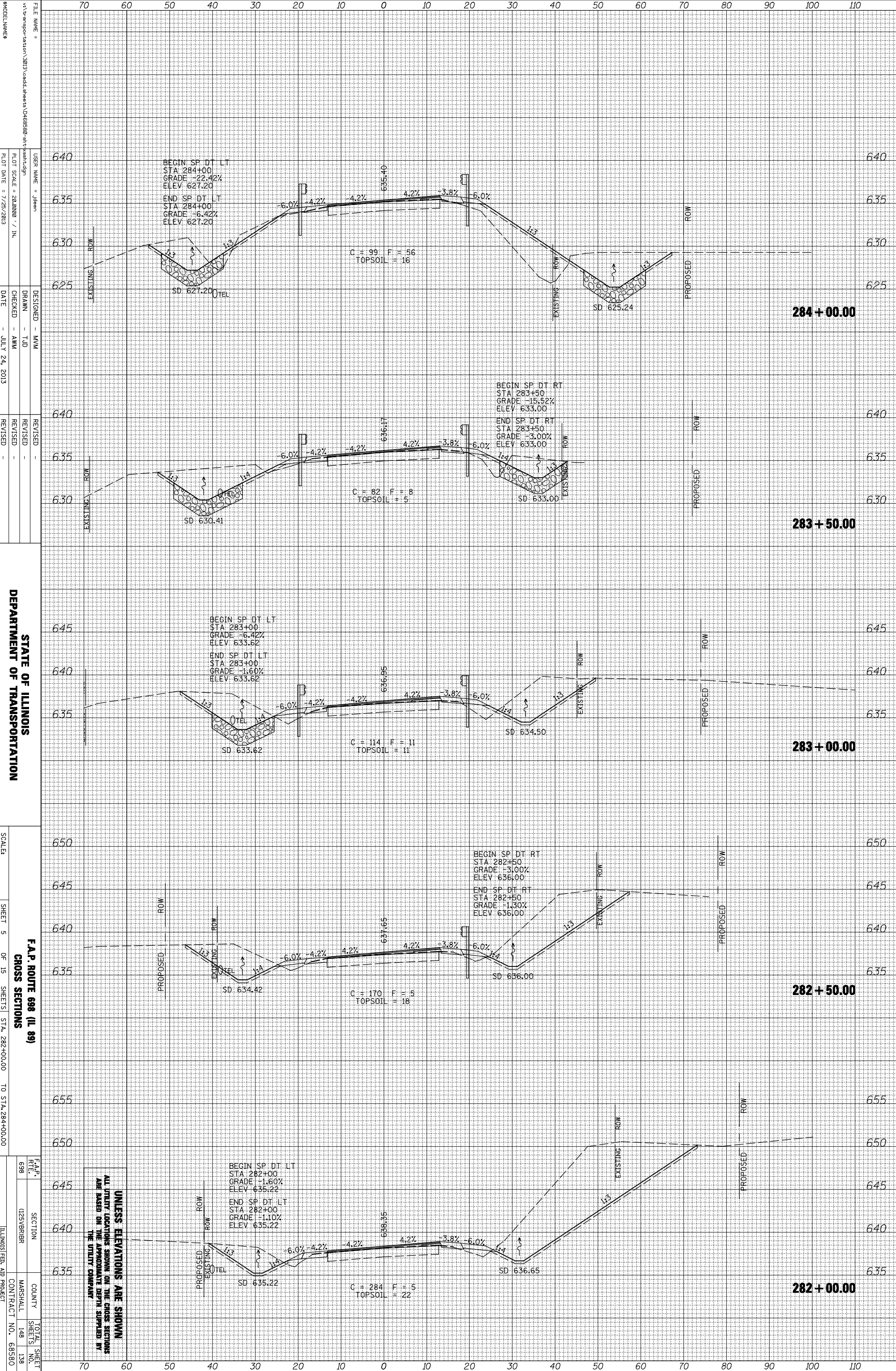
F.A.P. ROUTE 698 (IL 89) CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	(23)VRBR	MARSHALL	148
			137

ILLINOIS FED. AID PROJECT CONTRACT NO. 68580

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

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



UNLESS ELEVATIONS ARE SHOWN
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
THE UTILITY COMPANY.

FILE NAME =
 V:\transportation\2013\cadd\sheet\0468598-ah-truck-ign
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 DESIGNER = MMW
 DRAWN = TJD
 CHECKED = AMW
 DATE = JULY 24, 2013
 PLOT SCALE = 28.0000 / IN.
 PLOT DATE = 7/25/2013

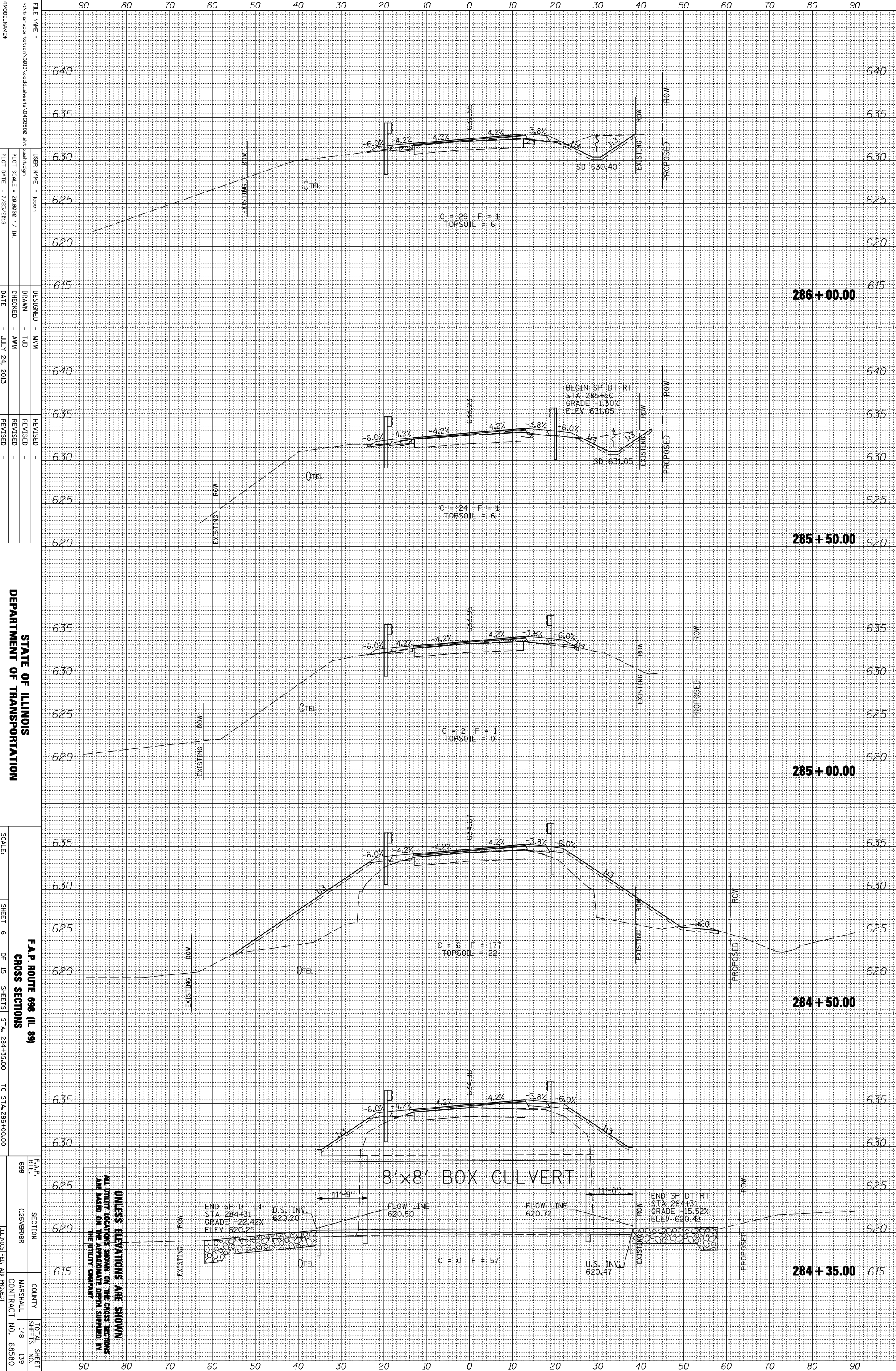
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SHEET 5 OF 15 SHEETS STA. 282+00.00 TO STA. 284+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148
			138
			68580

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

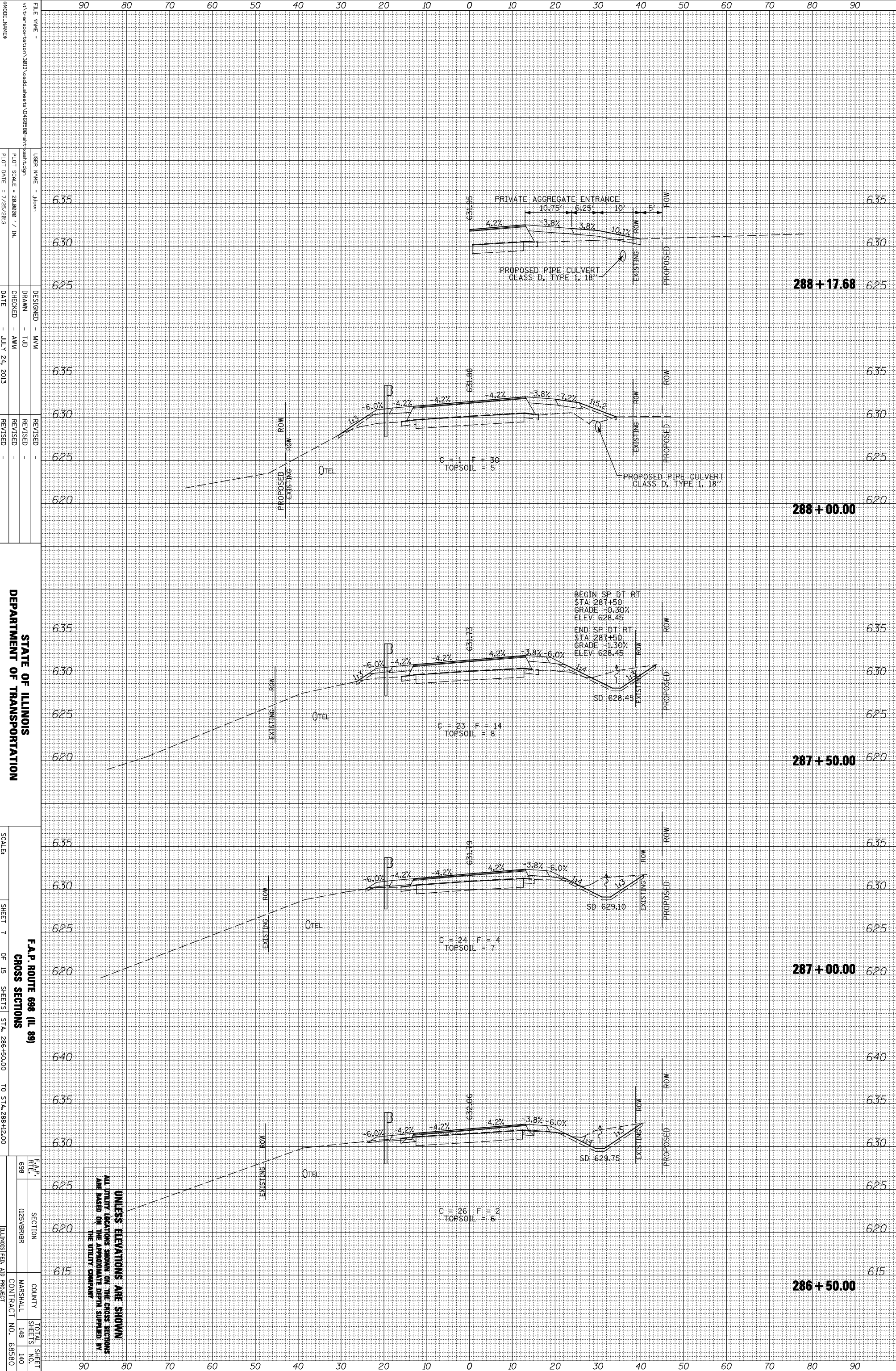


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 PLOT DATE = 7/25/2013
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 DEPARTMENT OF TRANSPORTATION
 STATE OF ILLINOIS
 F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SCALE: SHEET 6 OF 15 SHEETS STA. 284+35.00 TO STA. 286+00.00
 F.A.P. ROUTE 698
 SECTION 125VBRBR
 COUNTY MARSHALL
 CONTRACT NO. 68580
 TOTAL SHEET NO. 139
 ILLINOIS FED. AID PROJECT

UNLESS ELEVATIONS ARE SHOWN
 ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
 ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
 THE UTILITY COMPANY.

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



UNLESS ELEVATIONS ARE SHOWN
 ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
 ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
 THE UTILITY COMPANY

FILE NAME =
 USER NAME = Jdean
 DESIGNER - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013

REVISIONS
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 REVISION -

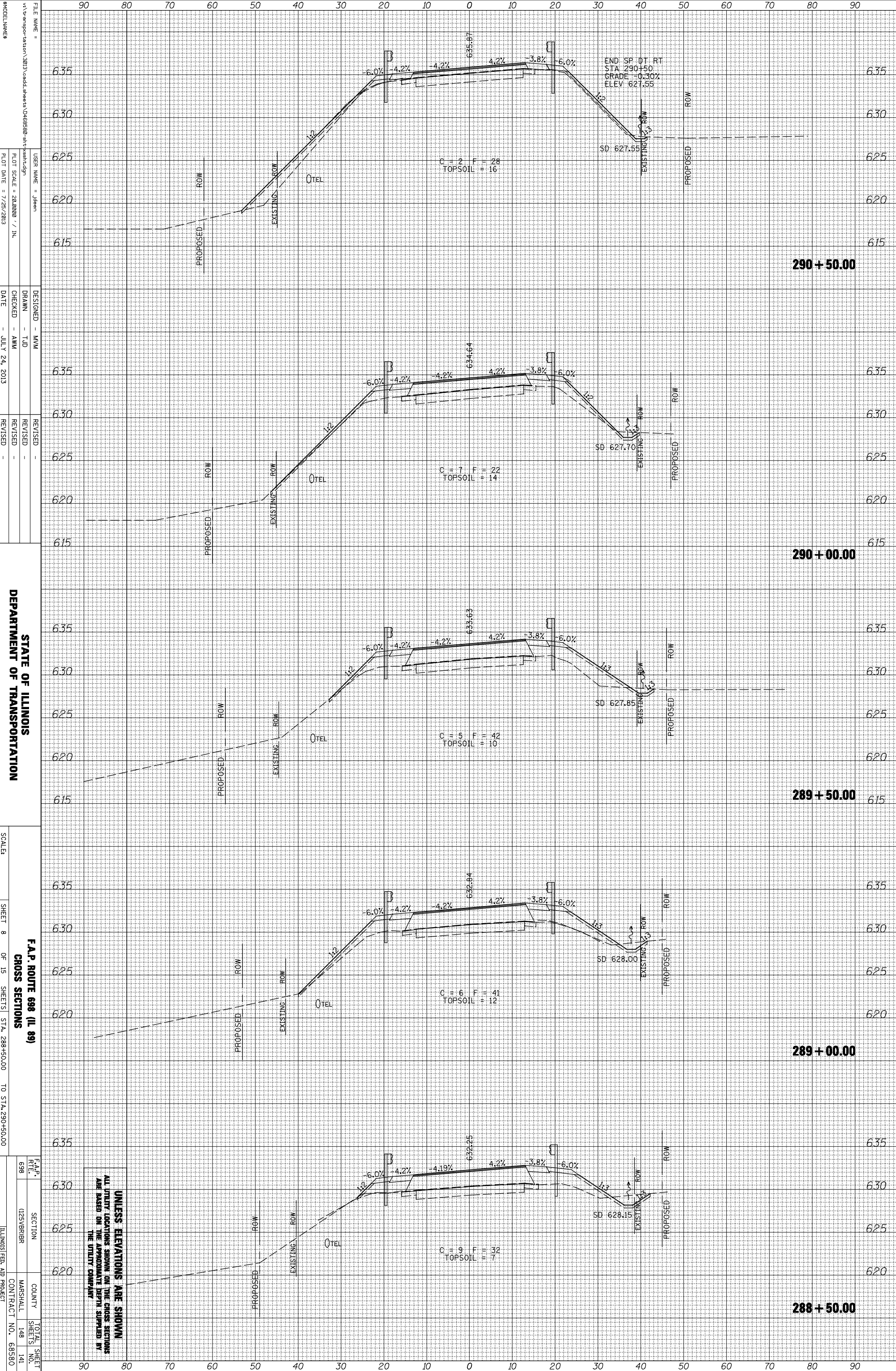
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SHEET 7 OF 15 SHEETS STA. 286+50.00 TO STA. 288+12.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148 140
ILLINOIS FED. AID PROJECT		CONTRACT NO.	68580

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



UNLESS ELEVATIONS ARE SHOWN
 ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
 ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
 THE UTILITY COMPANY.

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 DESIGNED - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
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 REVISION -

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90
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 625
 620
 615

PROPOSED ROW
 EXISTING ROW
 OTEL
 SD 627.55
 SD 627.70
 SD 627.85
 SD 628.00
 SD 628.15

290 + 50.00
 290 + 00.00
 289 + 50.00
 289 + 00.00
 288 + 50.00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 8 OF 15 SHEETS STA. 288+50.00 TO STA. 290+50.00

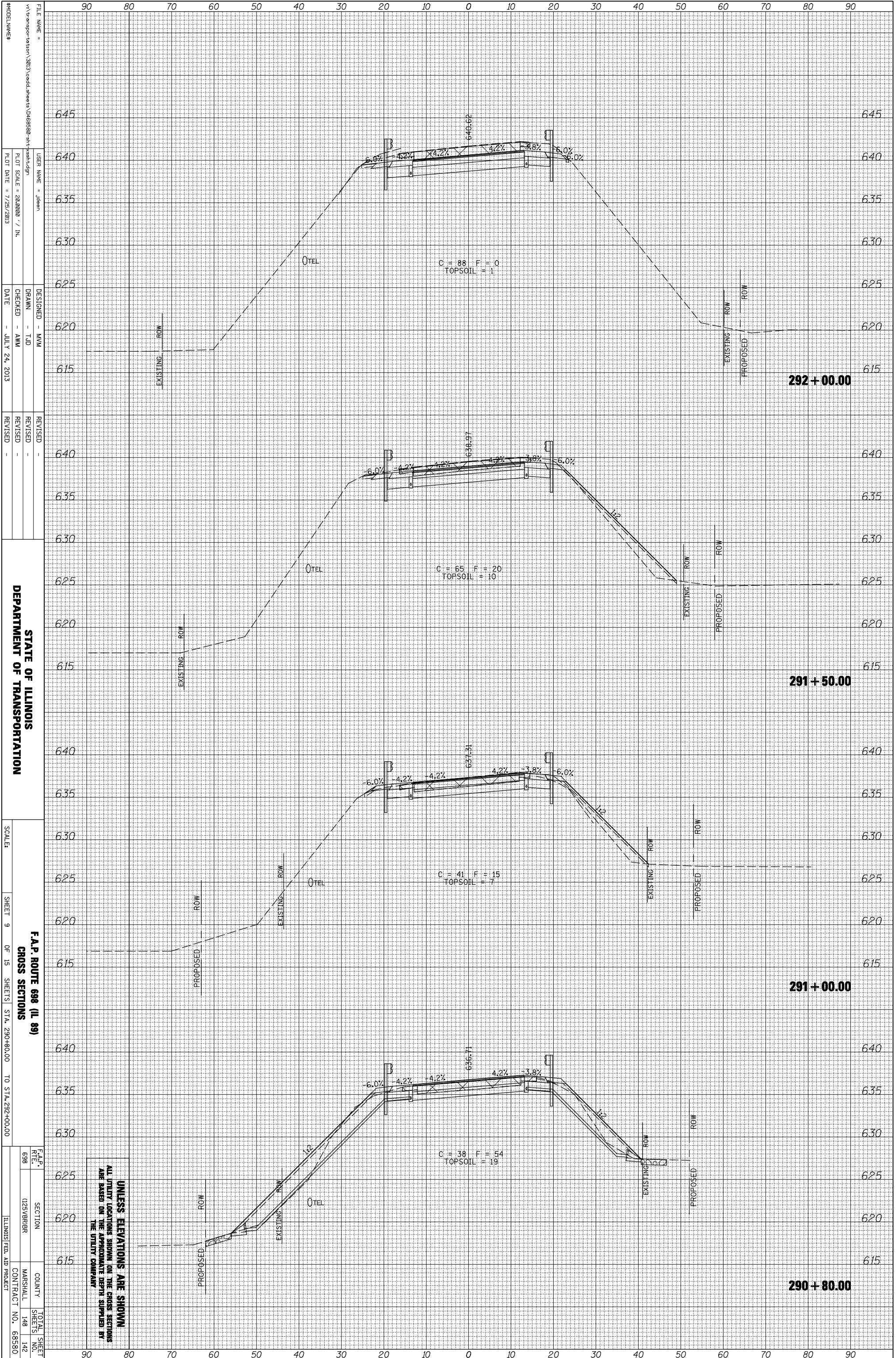
F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148 141
			CONTRACT NO. 68580

ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



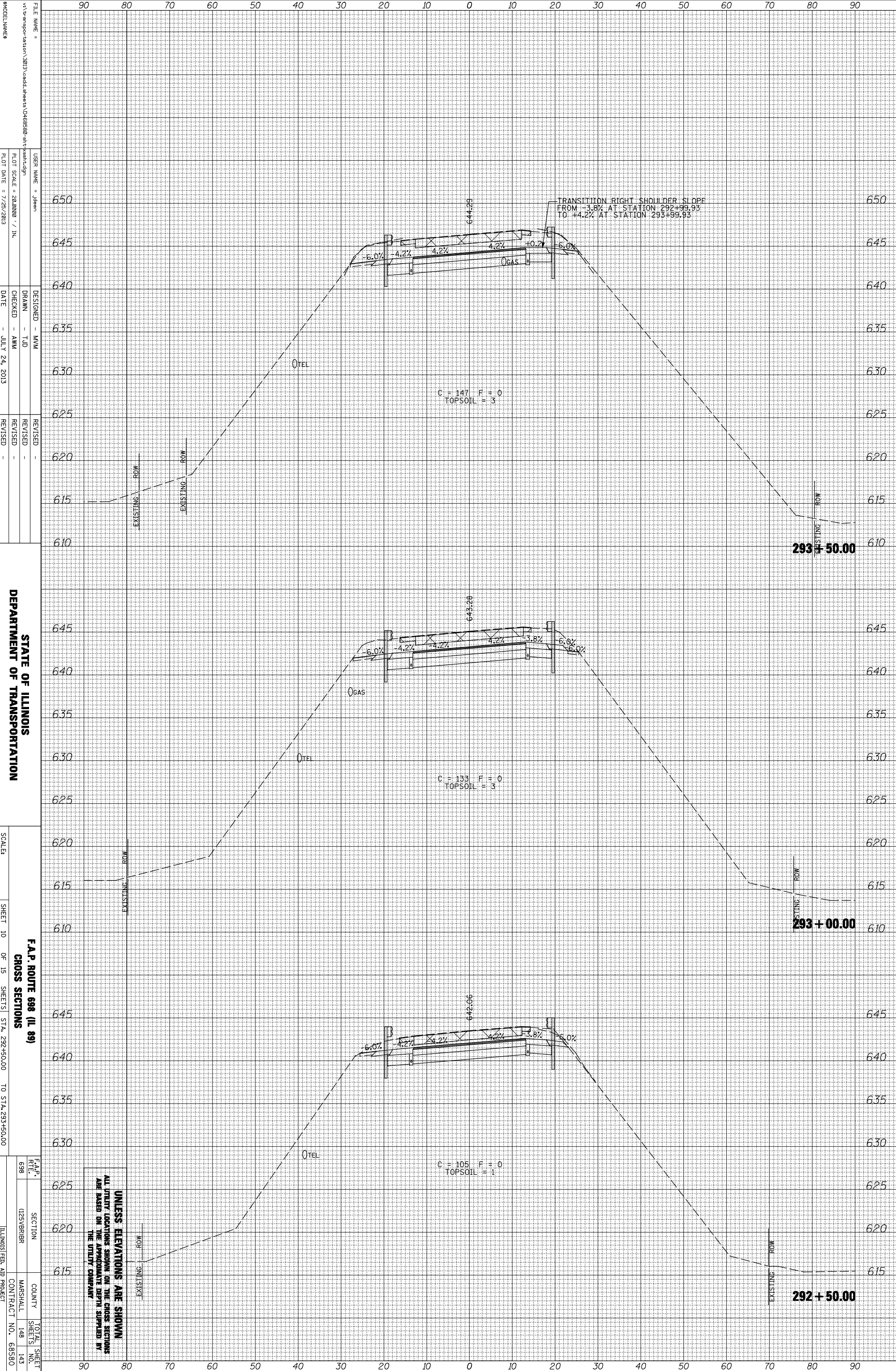
UNLESS ELEVATIONS ARE SHOWN
 ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
 ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
 THE UTILITY COMPANY.

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 DESIGNED - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
 REVISIONS
 REVISION
 REVISION
 REVISION
 REVISION
 REVISION
 DEPARTMENT OF TRANSPORTATION
 SCALE:
 SHEET 9 OF 15 SHEETS STA. 290+80.00 TO STA. 292+00.00
 F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 ILLINOIS FED. AID PROJECT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148 142
		CONTRACT NO.	68580

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



UNLESS ELEVATIONS ARE SHOWN
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
THE UTILITY COMPANY.

FILE NAME = V:\v-an-por-station\2013\cadd\sheet\0468580-shr-fresh.dgn
 USER NAME = Jdean
 DESIGNER - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
 REVISIONS -
 REVISION -
 REVISION -
 REVISION -

MODEL NUMBER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 10 OF 15 SHEETS STA. 292+50.00 TO STA. 293+50.00

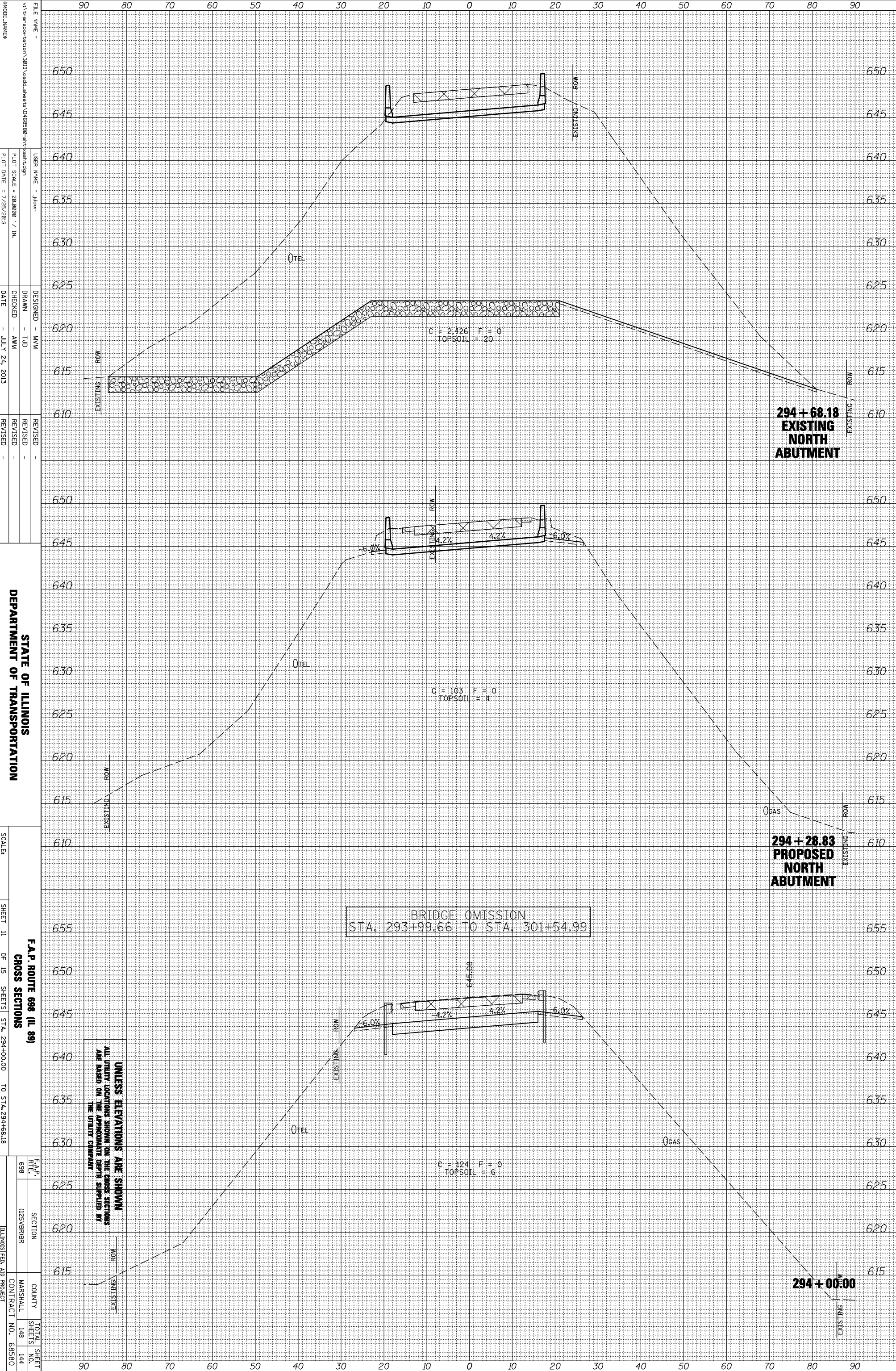
F.A.P. ROUTE 698 (IL 89)
CROSS SECTIONS

F.A.P. RTE. 698
SECTION 125VBRBR
COUNTY MARSHALL
CONTRACT NO. 68580

TOTAL SHEET NO. 148
SHEET NO. 143

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



**294 + 68.18
EXISTING
NORTH
ABUTMENT**

**294 + 28.83
PROPOSED
NORTH
ABUTMENT**

294 + 00.00

BRIDGE OMISSION
STA. 293+99.66 TO STA. 301+54.99

**UNLESS ELEVATIONS ARE SHOWN
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
THE UTILITY COMPANY**

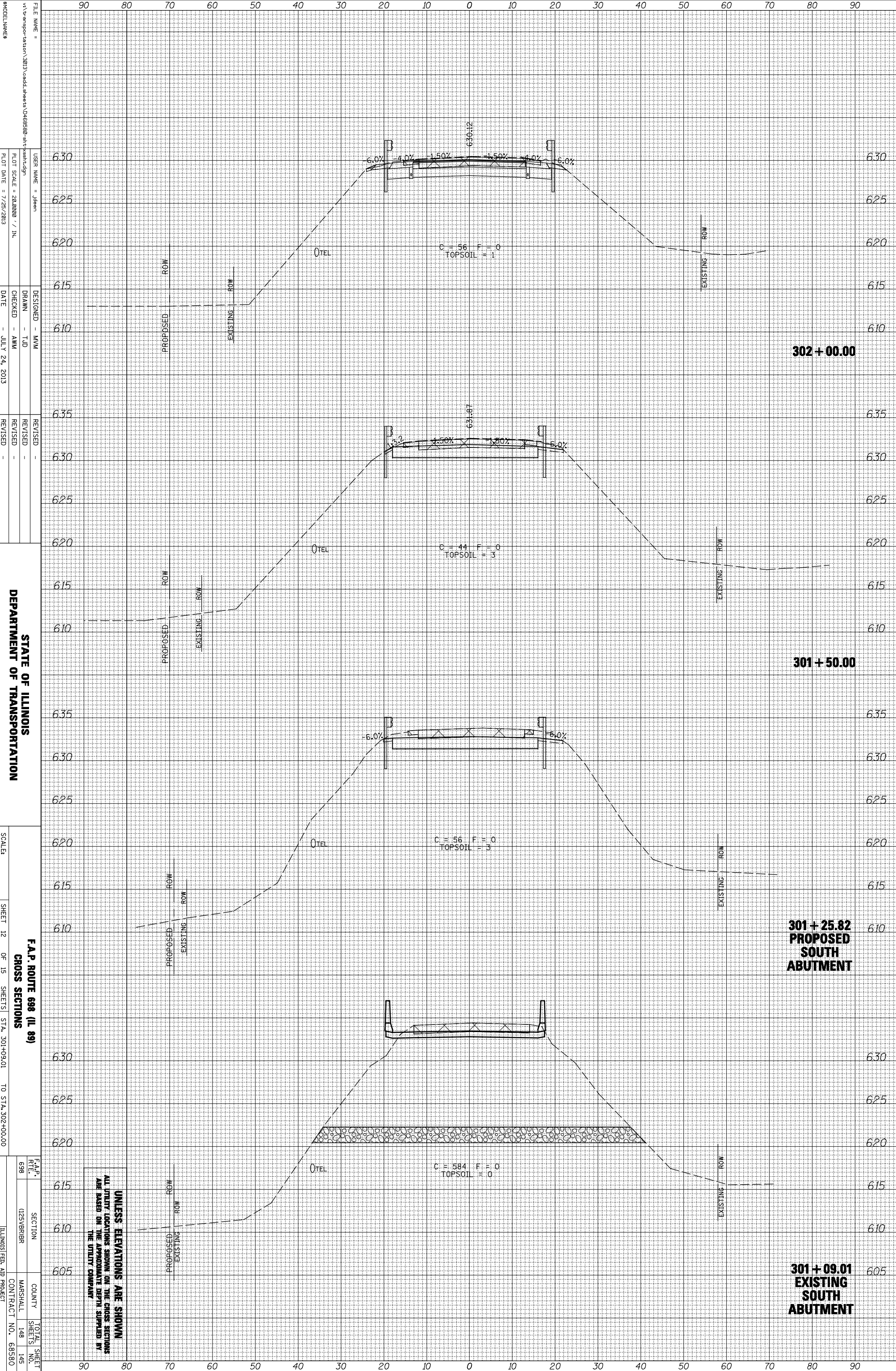
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 CHECKED - AMW
 DATE - JULY 24, 2013
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 REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SHEET 11 OF 15 SHEETS STA. 294+00.00 TO STA. 294+68.18
 SCALE: 1" = 20'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
698	125VBRBR	MARSHALL	148
			144
			CONTRACT NO. 68580
			ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME =
 USER NAME = Jdean
 DESIGNED - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
 REVISIONS
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 REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SHEET 12 OF 15 SHEETS STA. 301+09.01 TO STA. 302+00.00

SCALE:
 SHEET 12 OF 15 SHEETS STA. 301+09.01 TO STA. 302+00.00

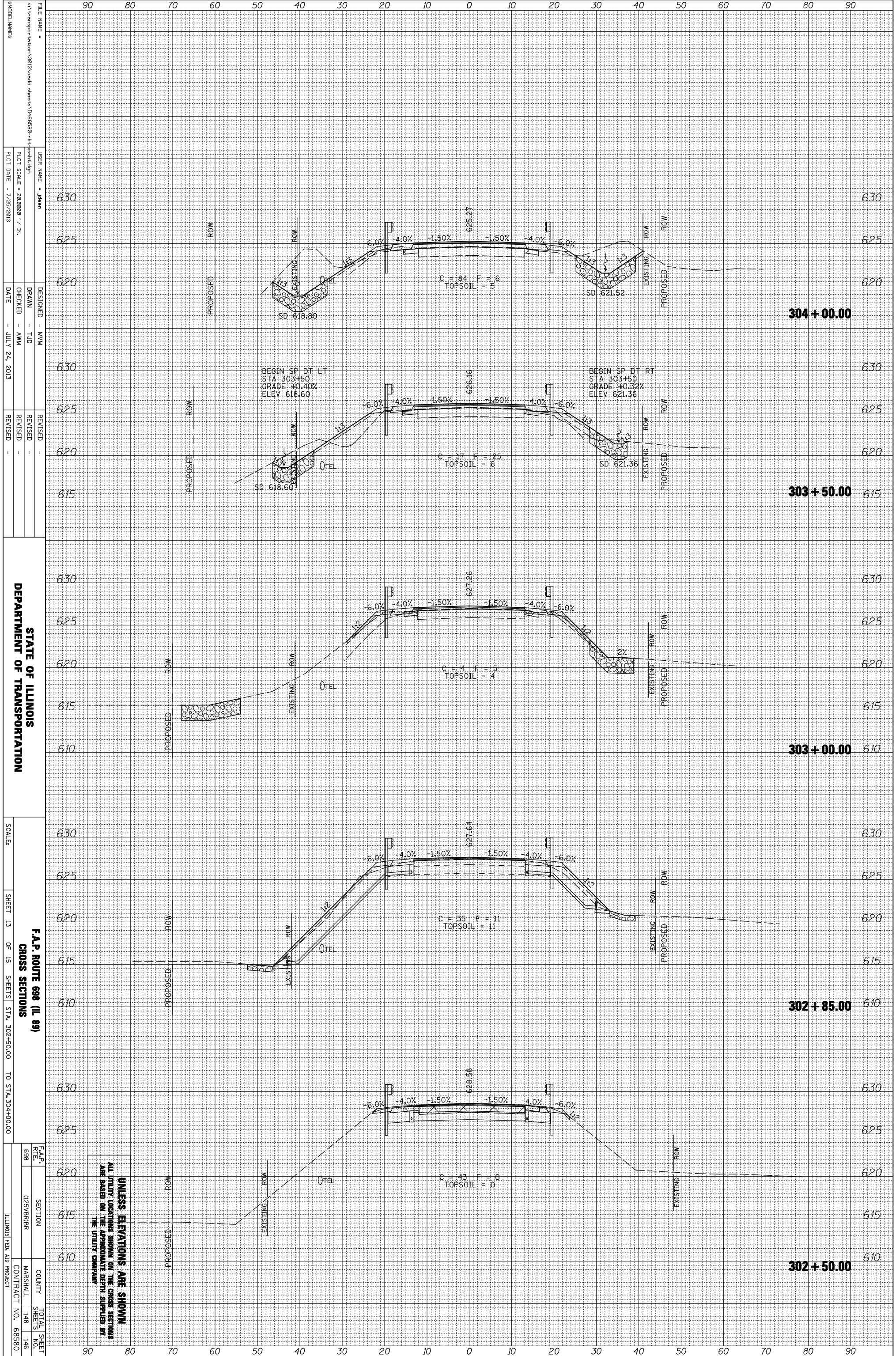
F.A.P. ROUTE 698 (IL 89)
 SECTION
 COUNTY
 CONTRACT NO. 68580

TOTAL SHEET NO. 145
 COUNTY MARSHALL
 CONTRACT NO. 68580

UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY.

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME =
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 DESIGNED - MMW
 DRAWN - TJD
 CHECKED - AMW
 DATE - JULY 24, 2013
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 REVISIONS:
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

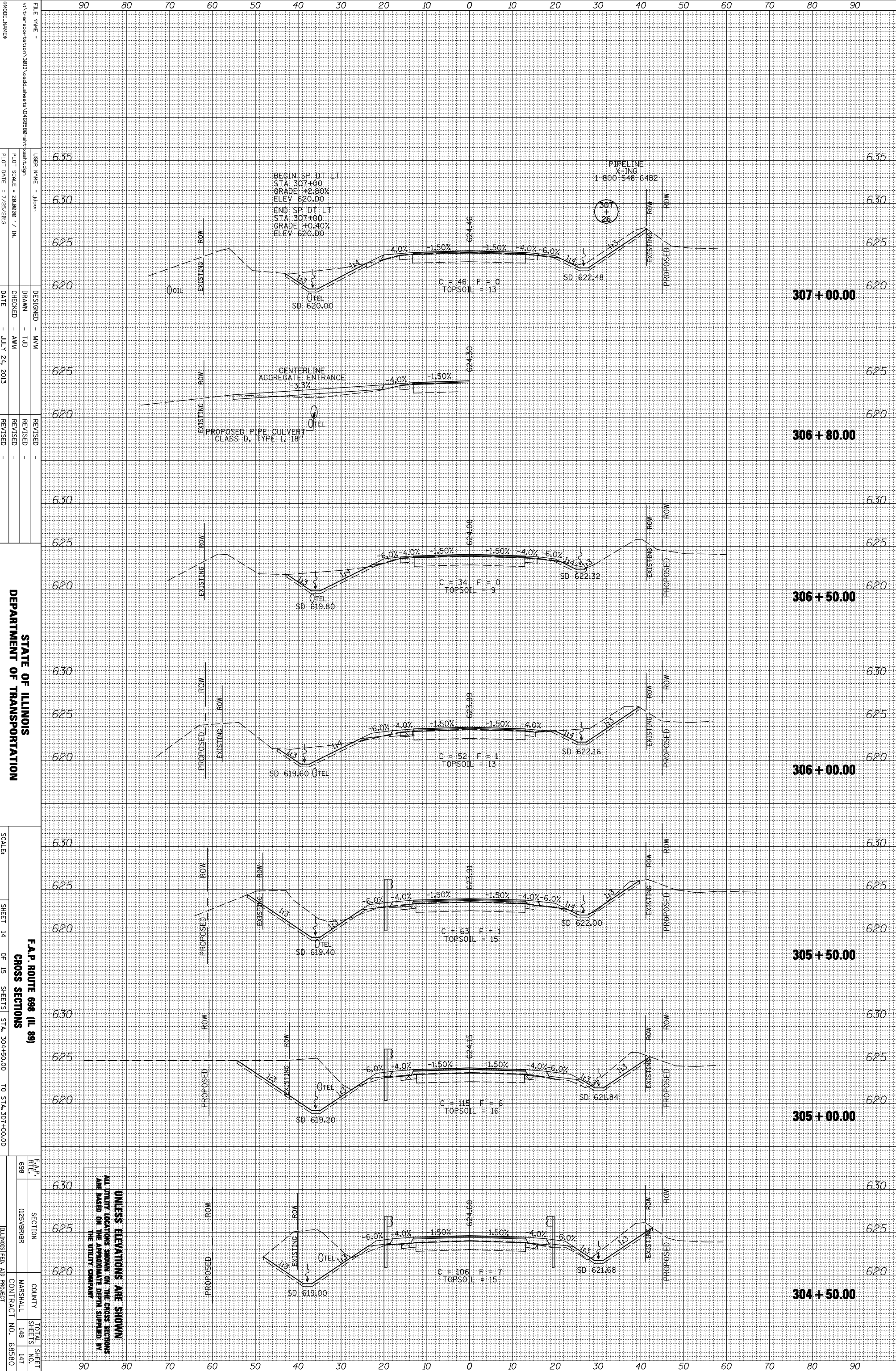
SCALE:
 SHEET 13 OF 15 SHEETS STA. 302+50.00 TO STA. 304+00.00

F.A.P. ROUTE 698 (IL 89)
CROSS SECTIONS
 COUNTY MARSHALL
 CONTRACT NO. 68580
 TOTAL SHEET NO. 146

UNLESS ELEVATIONS ARE SHOWN
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
THE UTILITY COMPANY.

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME =
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 DESIGNER = MMW
 DRAWN = TJD
 CHECKED = AMW
 DATE = JULY 24, 2013

DEPARTMENT OF TRANSPORTATION

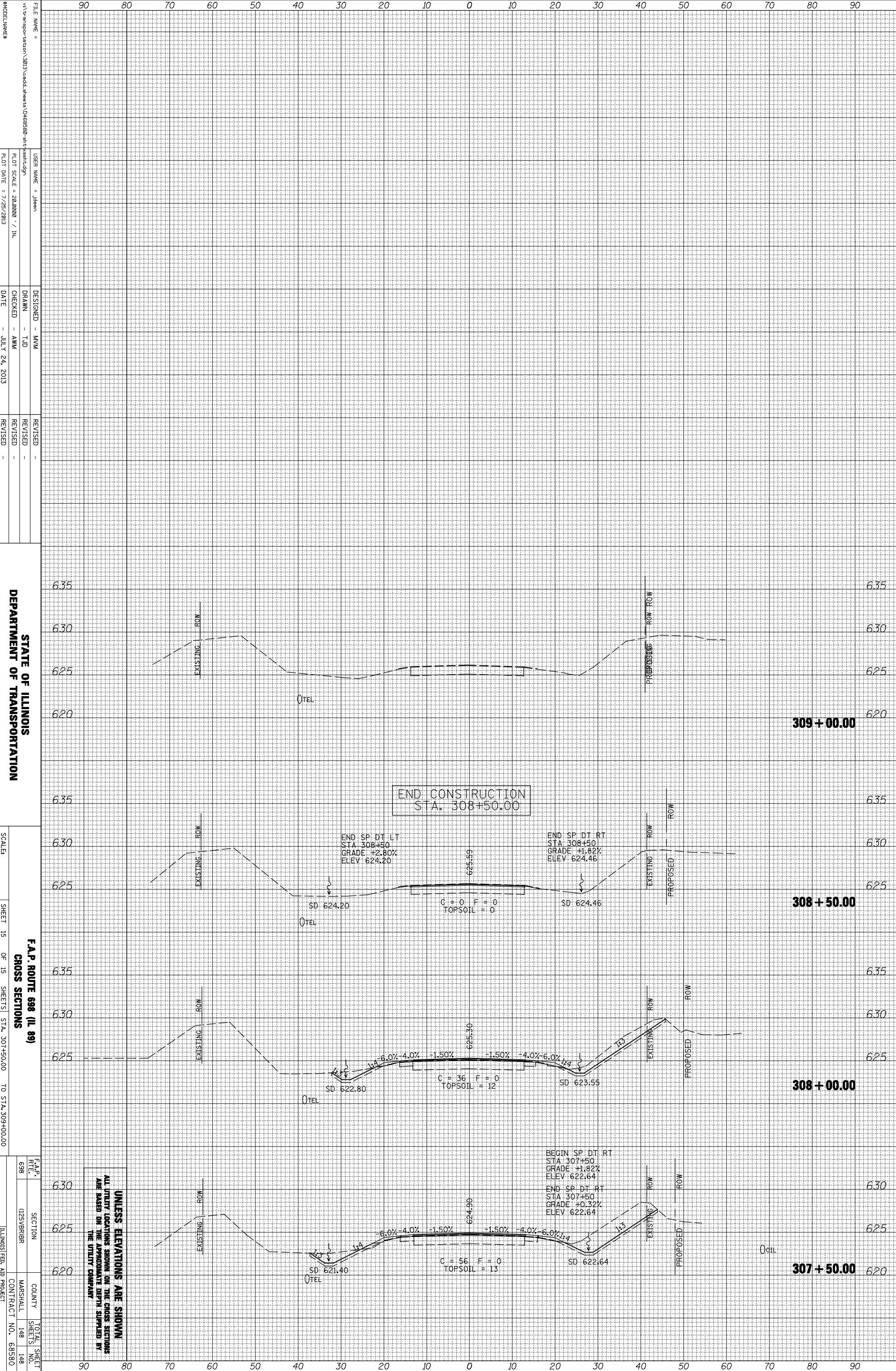
F.A.P. ROUTE 698 (IL 89)
 CROSS SECTIONS
 SHEET 14 OF 15 SHEETS STA. 304+50.00 TO STA. 307+00.00

F.A.P. ROUTE 698
 SECTION 125VBRBR
 COUNTY MARSHALL
 CONTRACT NO. 68580

UNLESS ELEVATIONS ARE SHOWN
 ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
 ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
 THE UTILITY COMPANY

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

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



END CONSTRUCTION
STA. 308+50.00

END SP. DT. LT.
STA. 308+50
GRADE: +2.80%
ELEV: 624.20

END SP. DT. RT.
STA. 308+50
GRADE: +1.82%
ELEV: 624.46

SD: 624.20
UTEL

SD: 624.46
UTEL

C = 0 F = 0
TOPSOIL = 0

SD: 622.80
UTEL

SD: 623.55
UTEL

C = 36 F = 0
TOPSOIL = 12

SD: 621.40
UTEL

SD: 622.64
UTEL

C = 56 F = 0
TOPSOIL = 13

BEGIN SP. DT. RT.
STA. 307+50
GRADE: +1.82%
ELEV: 622.64

END SP. DT. RT.
STA. 307+50
GRADE: +0.32%
ELEV: 622.64

UNLESS ELEVATIONS ARE SHOWN
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS
ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY
THE UTILITY COMPANY.

FILE NAME =
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USER NAME = Jdean
DESIGNED - MMW
DRAWN - TJD
CHECKED - AMW
DATE - JULY 24, 2013
REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:
SHEET 15 OF 15 SHEETS STA. 307+50.00 TO STA. 309+00.00

F.A.P. ROUTE 698 (IL 89)
CROSS SECTIONS
SECTION 125VBRBR
COUNTY MARSHALL
CONTRACT NO. 68580
TOTAL SHEET NO. 148