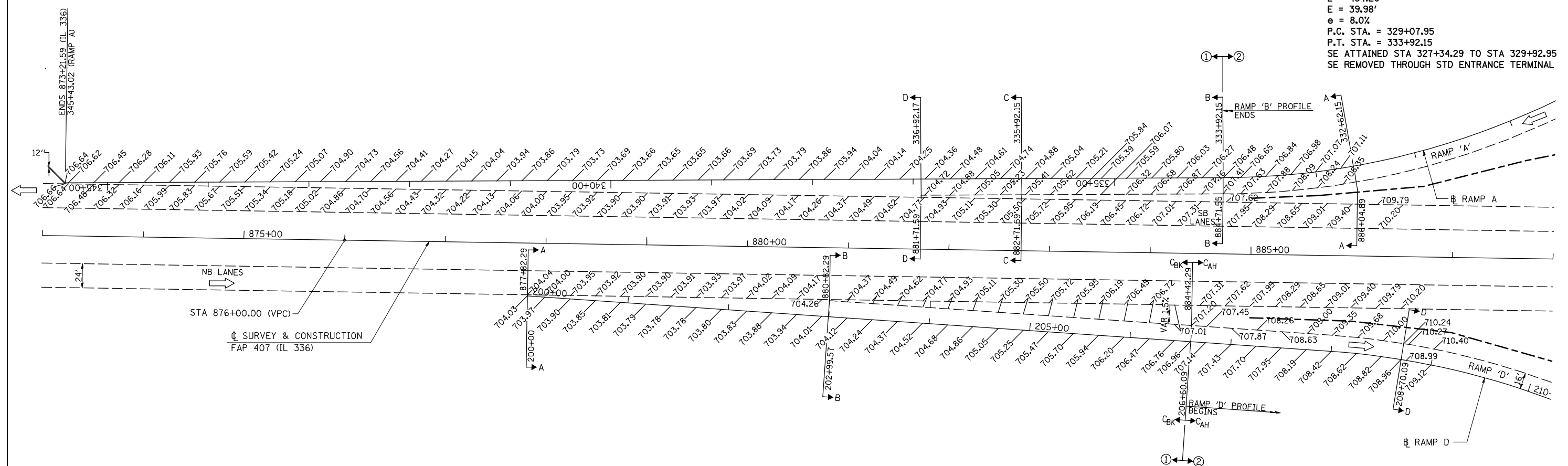


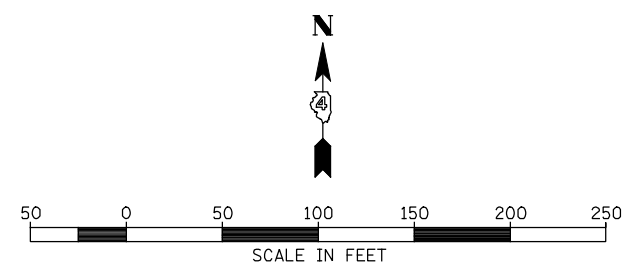
PROP. CURVE RAMP A-2
 PI STA. = 331+58.47
 $\Delta = 36^\circ 15' 54''$ (RT)
 $D = 7^\circ 29' 23''$
 $R = 765.00'$
 $T = 250.52'$
 $L = 484.20'$
 $E = 39.98'$
 $e = 8.0\%$
 P.C. STA. = 329+07.95
 P.T. STA. = 333+92.15
 SE ATTAINED STA 327+34.29 TO STA 329+92.95
 SE REMOVED THROUGH STD ENTRANCE TERMINAL

PROP. CURVE RAMP D-1
 PI STA. = 210+51.11
 $\Delta = 36^\circ 19' 57''$ (RT)
 $D = 7^\circ 29' 23''$
 $R = 765.00'$
 $T = 251.02'$
 $L = 485.10'$
 $E = 40.13'$
 $e = 8.0\%$
 P.C. STA. = 208+00.09
 P.T. STA. = 212+85.19
 SE ATTAINED THROUGH STD EXIT TERMINAL
 SE REMOVED STA 212+00.19 TO STA 214+55.19



NOTE:
 ELEVATIONS SHOWN ARE FOR THE FUTURE PAVEMENT SURFACE. CONTRACTOR SHALL GRADE TO AN ELEVATION $11\frac{1}{4}''$ LESS THAN THE SURFACE ELEVATIONS SHOWN.

- ① ELEVATIONS GIVEN ALONG IL 336 STATIONING AT 25' CENTERS
- ② ELEVATIONS GIVEN ALONG RAMP STATIONING AT 25' CENTERS



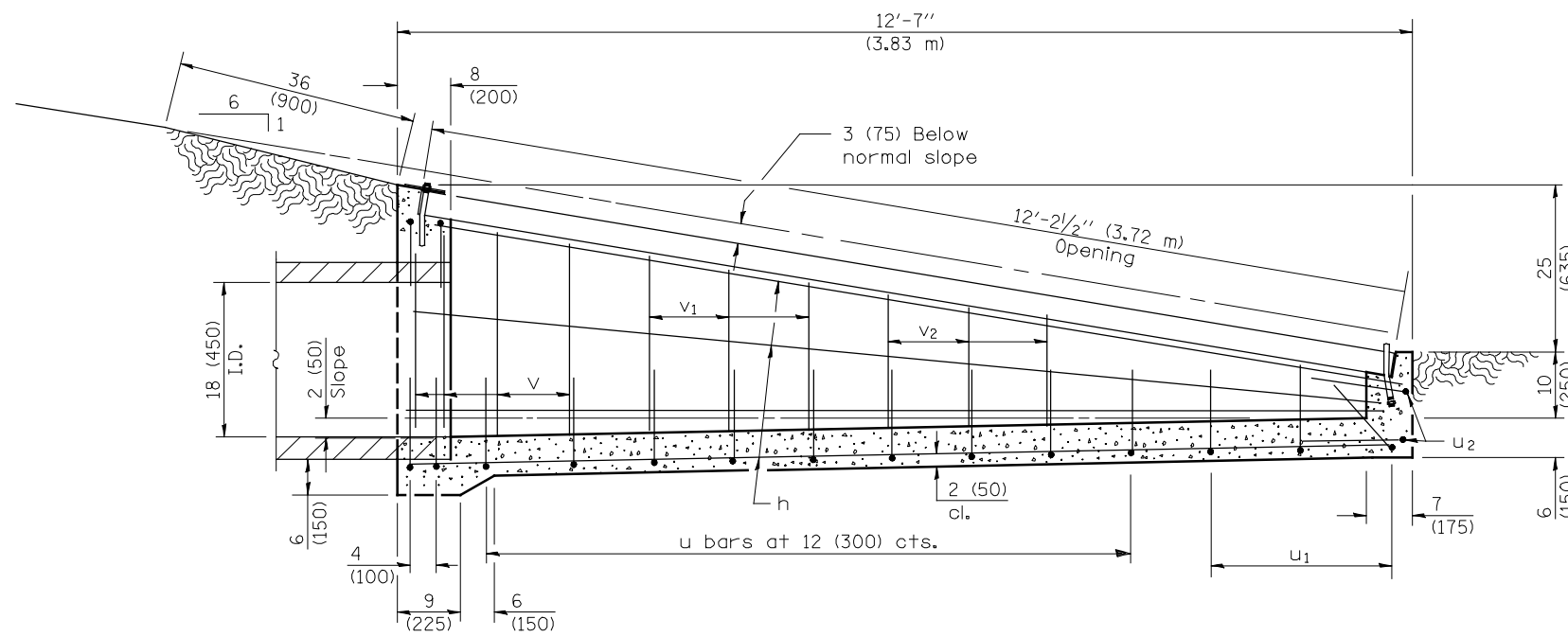
FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
v:\transportation\2891\grading plans\2891RampsA&D.dgn		DRAWN - JMO	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED - AWM	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP 407 (IL RTE 336)
 RAMP TERMINAL DETAILS - RAMPS D & A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

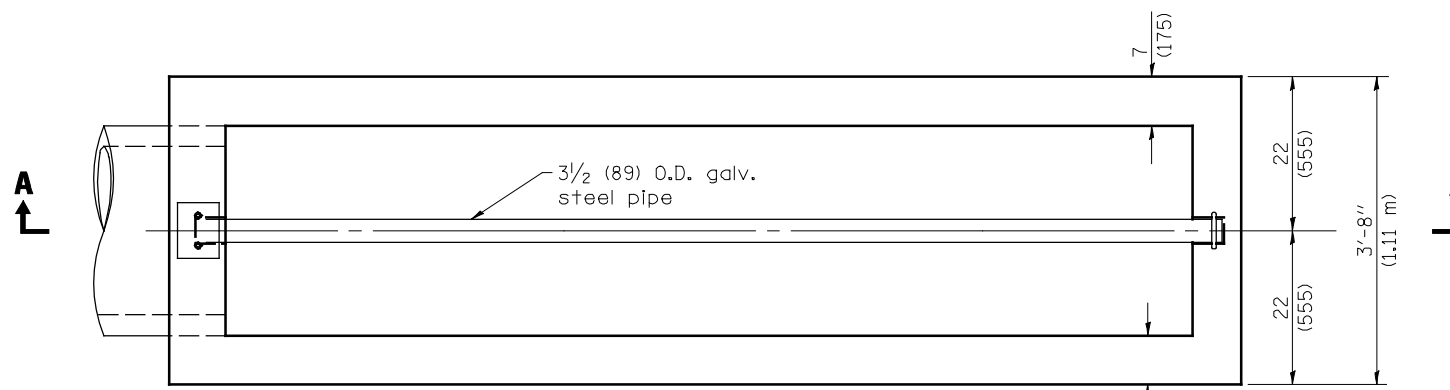
F.A.P. RTE. 407	SECTION (55-3)A	COUNTY McDONOUGH	TOTAL SHEETS 671	SHEET NO. 301
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	



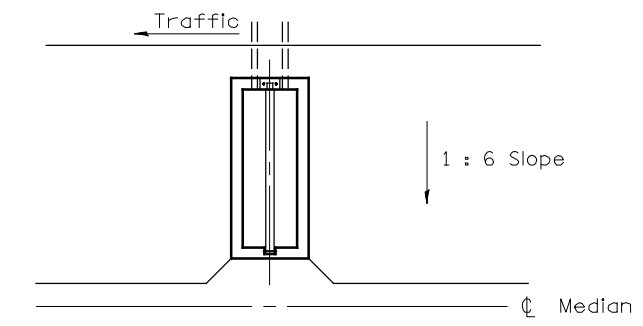
SECTION A-A

Material required for one inlet box

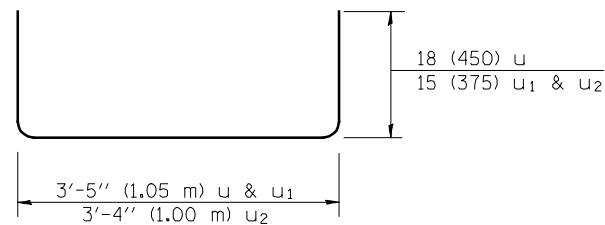
Bar	Qty.	Size	Length
h	10	No. 4 (No. 13)	12'-0" (3.65 m)
u	13	No. 4 (No. 13)	6'-5" (1.95 m)
u ₁	3	No. 4 (No. 13)	5'-11" (1.80 m)
u ₂	2	No. 4 (No. 13)	5'-10" (1.75 m)
v	8	No. 4 (No. 13)	30 (760)
v ₁	6	No. 4 (No. 13)	24 (610)
v ₂	6	No. 4 (No. 13)	18 (460)
Concrete	cu. yds. (m ³)		1.9 (1.45)
Reinf. Bars	lbs. (kg)		83 (183)
Galv. Steel Pipe	3/2 (89) O.D.		12'-2 1/4" (3.71 m)



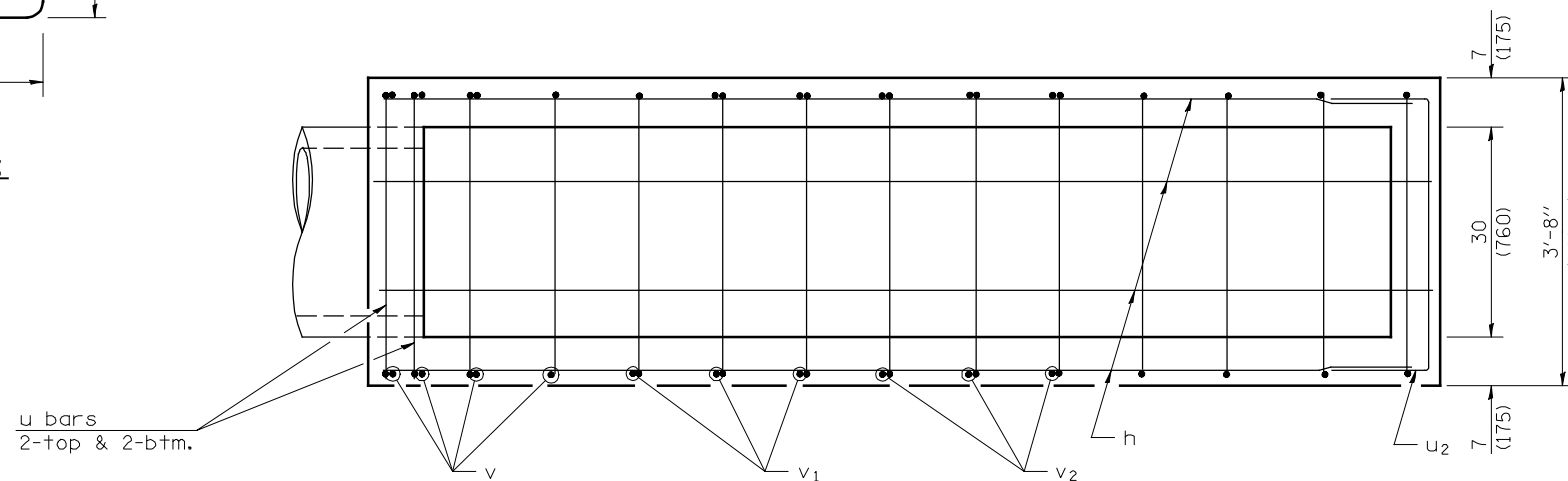
PLAN



Sketch showing location and direction of box in relation to median.



Bars u, u1 & u2



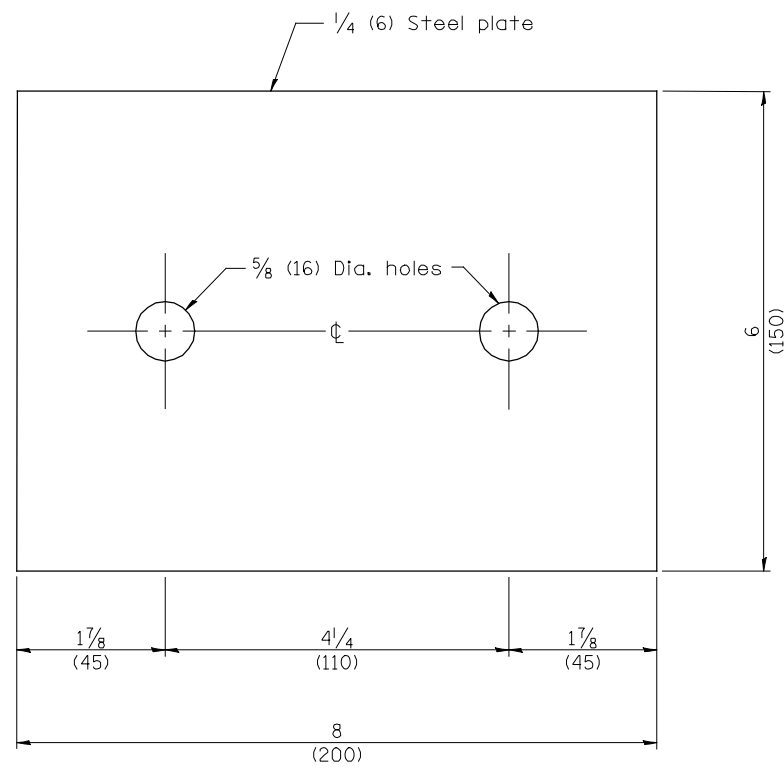
PLAN OF REINFORCEMENT

GENERAL NOTES

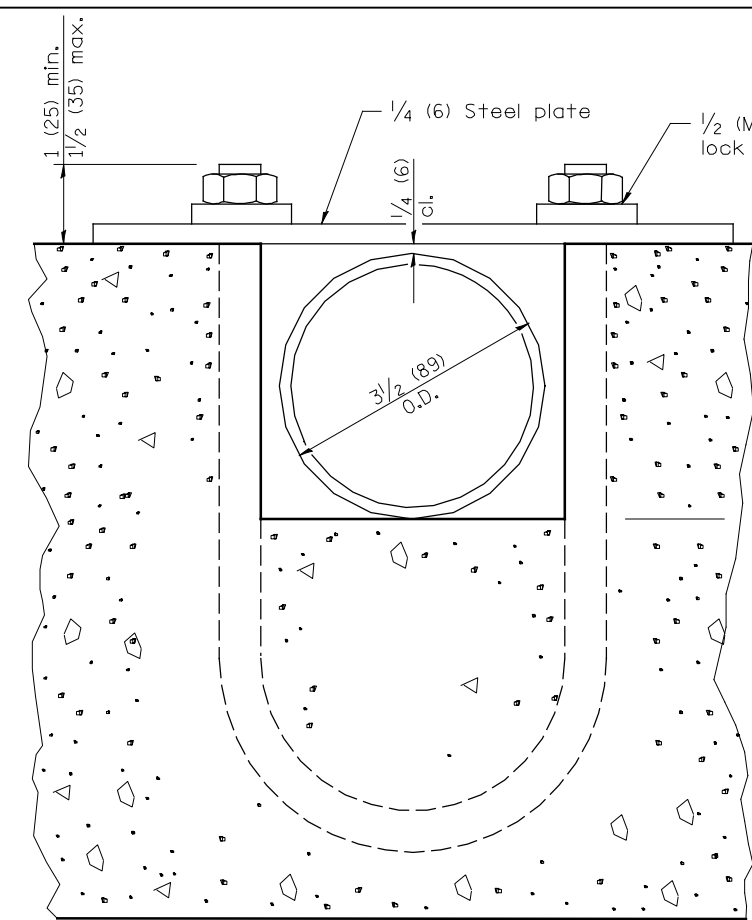
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

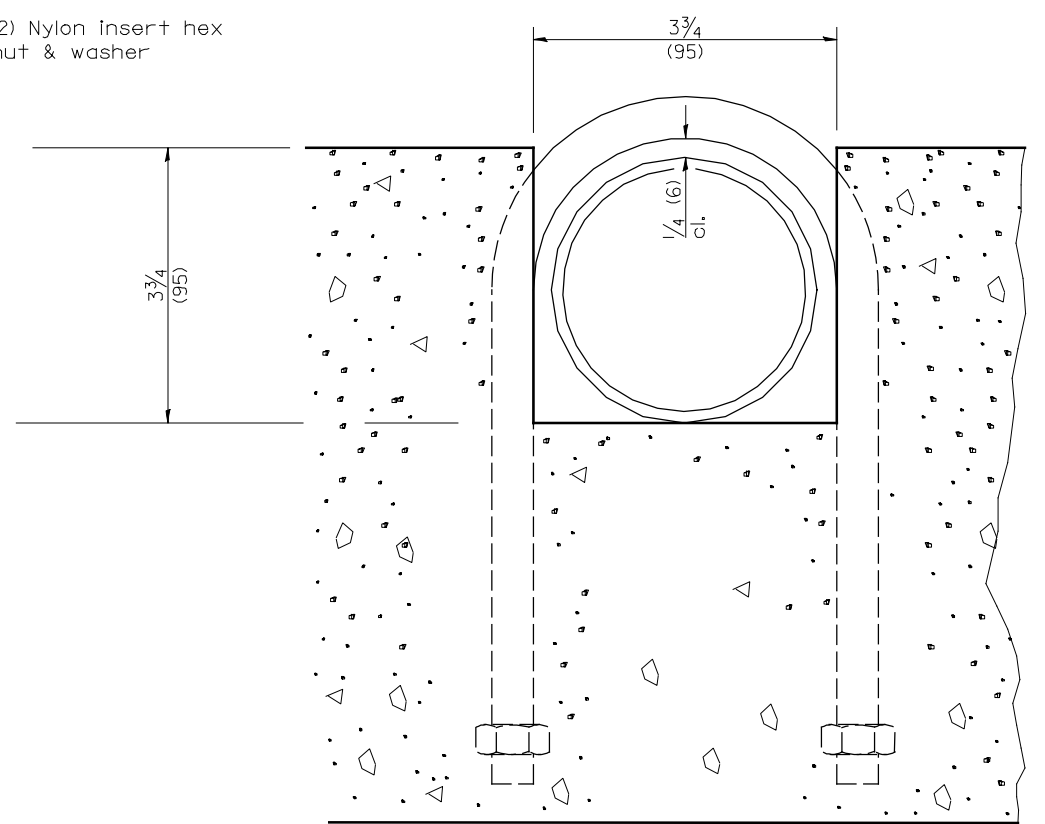
FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 407 (IL RTE 336) DETAIL OF INLET BOX, STANDARD 542511, (SPECIAL)			F.A.P. RTE. 407	SECTION (55-3)A	COUNTY McDONOUGH	TOTAL SHEETS 671	SHEET NO. 302
W:\Transportation\2891\Grading Plans\2891d001.dgn		DRAWN - JMO	REVISED -		SCALE: N/A	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 68A42			
PLOT SCALE = 100.0000' / IN.		CHECKED - AWM	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -									



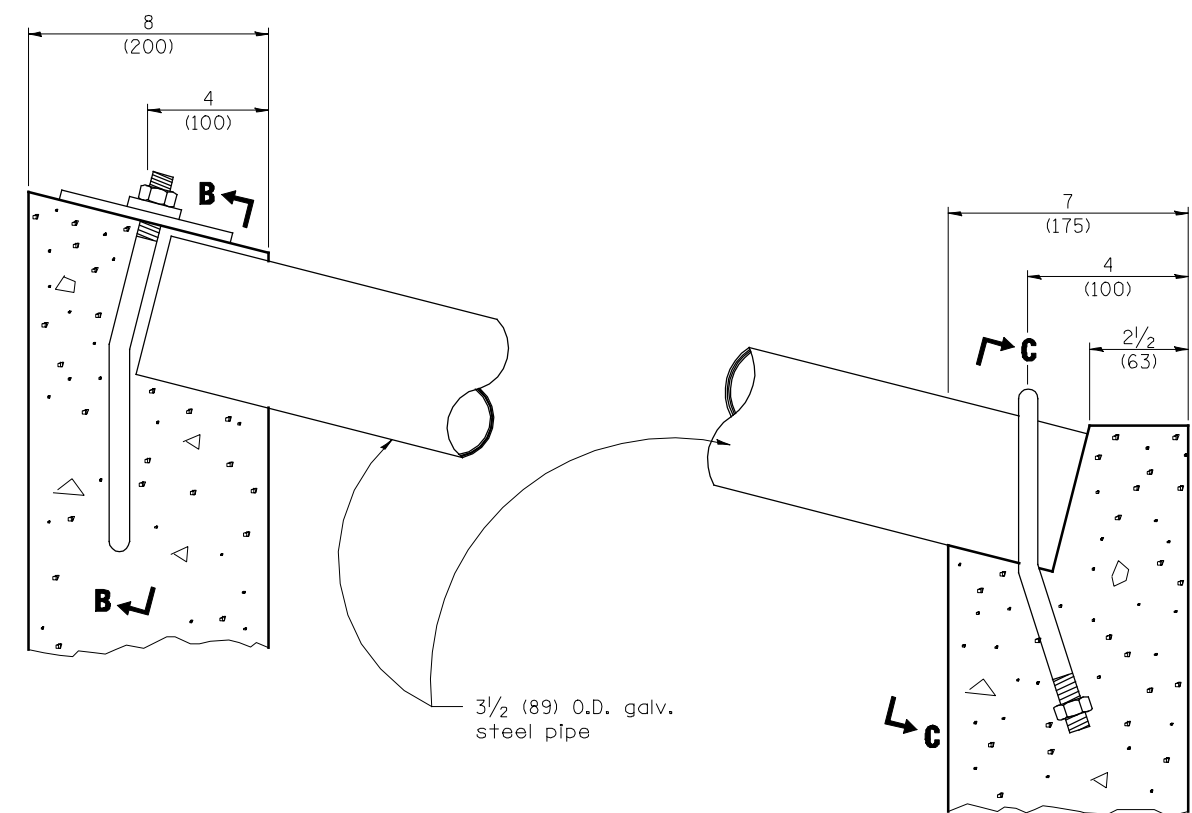
TOP ANCHOR PLATE
(1 - required)



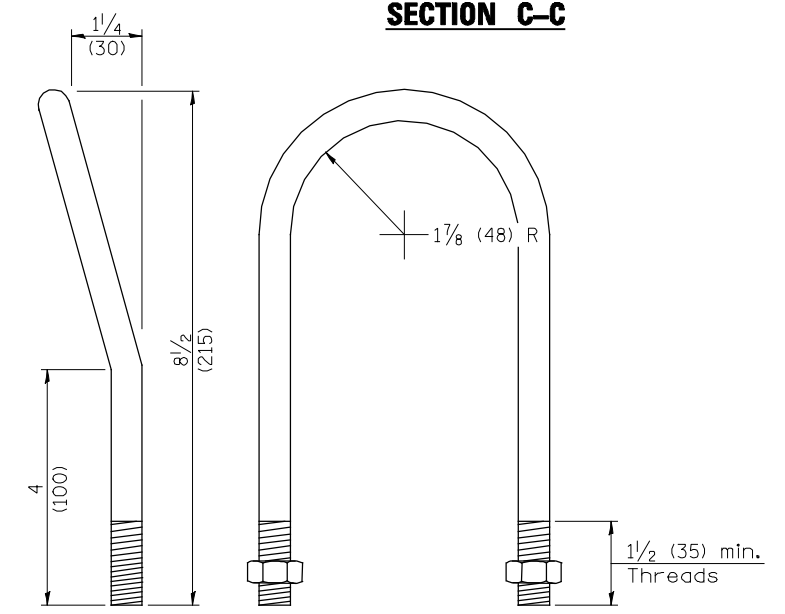
SECTION B-B



SECTION C-C



DETAIL AT BLOCKOUTS



1/2 (M12) U BOLT
(2 - required)

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
W:\Transportation\2891\Grading Plans\2891d001.dgn		DRAWN - JMO	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED - AWM	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

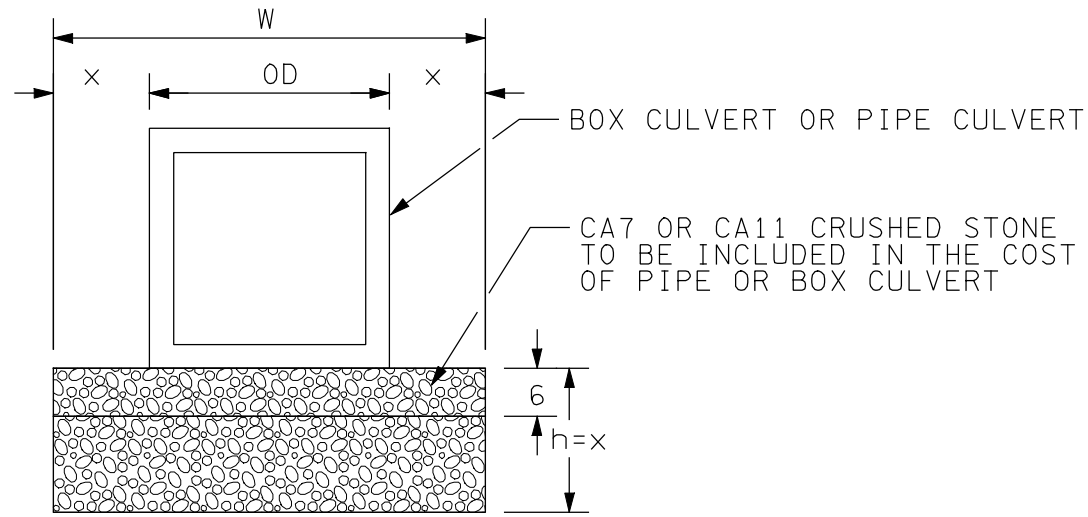
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 407 (IL RTE 136)
DETAIL OF INLET BOX, STANDARD 542511 (SPECIAL)**

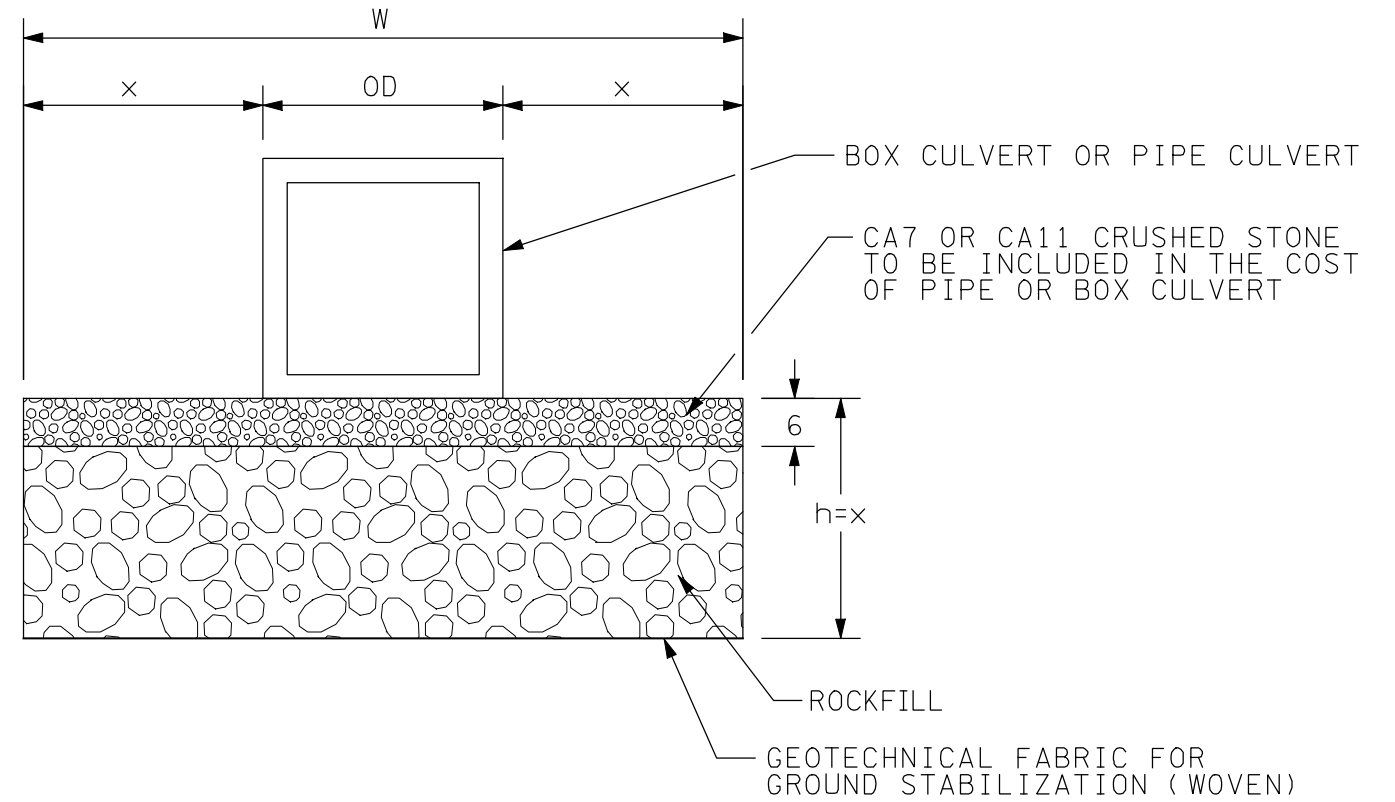
SCALE: N/A SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	303
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	

DESIGNER NOTES: 1. CHECK WITH THE DISTRICT GEOTECHNICAL ENGINEER FOR USE OF THIS DRAWING AND FOR UNDERCUT DEPTHS IF NOT PROVIDED OR SHOWN IN PROJECT SOILS REPORT.
 2. ASSURE TREATMENT AREAS ARE SHOWN IN PLANS AND ON CROSS SECTIONS.
 3. INCLUDE SOIL BORINGS FOR TREATED AREAS.



ALTERNATE I: FOR 12" TO 18" UNDERCUT



ALTERNATE II: FOR 18" TO 36" UNDERCUT

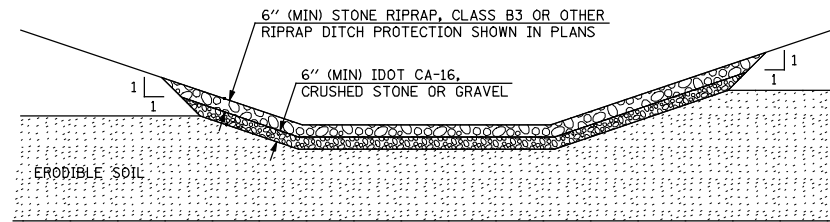
CULVERT LOCATION	UNDERCUT			
	DEPTH	WIDTH		
	h	x	OD	W
FAP 407 (IL 336)				
608+00	2'	2'	6'	10'
659+10	4'	4'	11'	18'-6"
665+90	5'	3'	6'	12'
679+00	8'	7'-11"	9'-2"	25'
827+60	3'	3'	9'	15'
CH 14 (1350N)				
2019+75	8'	1'-11 1/2"	6'-7"	10'-6"

GENERAL NOTES:

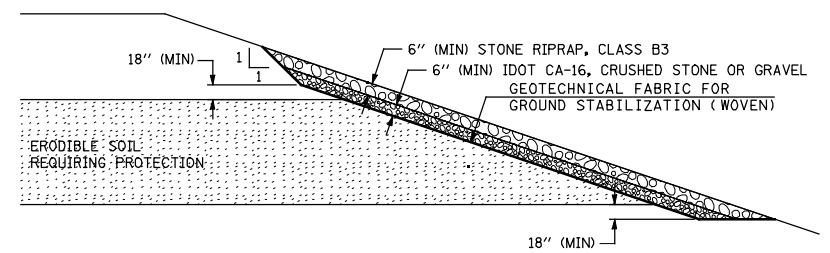
- Undercut if the Dynamic Cone Penetrometer tests indicate soil strength is less than 1 ton/sq ft.
- DEFINITIONS:
 OD = Outside Diameter or outside width of box culvert
 h = Depth of undercut (for precast box culverts, the upper 6" is included in the cost of culvert).
 x = h or min. width specified in Sec. 542.04, which ever is greater for pipe culverts.
 x = h or minimum 2 feet, which ever is greater for box culverts.
 W = Width of undercut = 2x + OD
- For undercuts greater than 36", use Alternate II with undercut treatments as directed by the District Geotechnical Engineer.

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

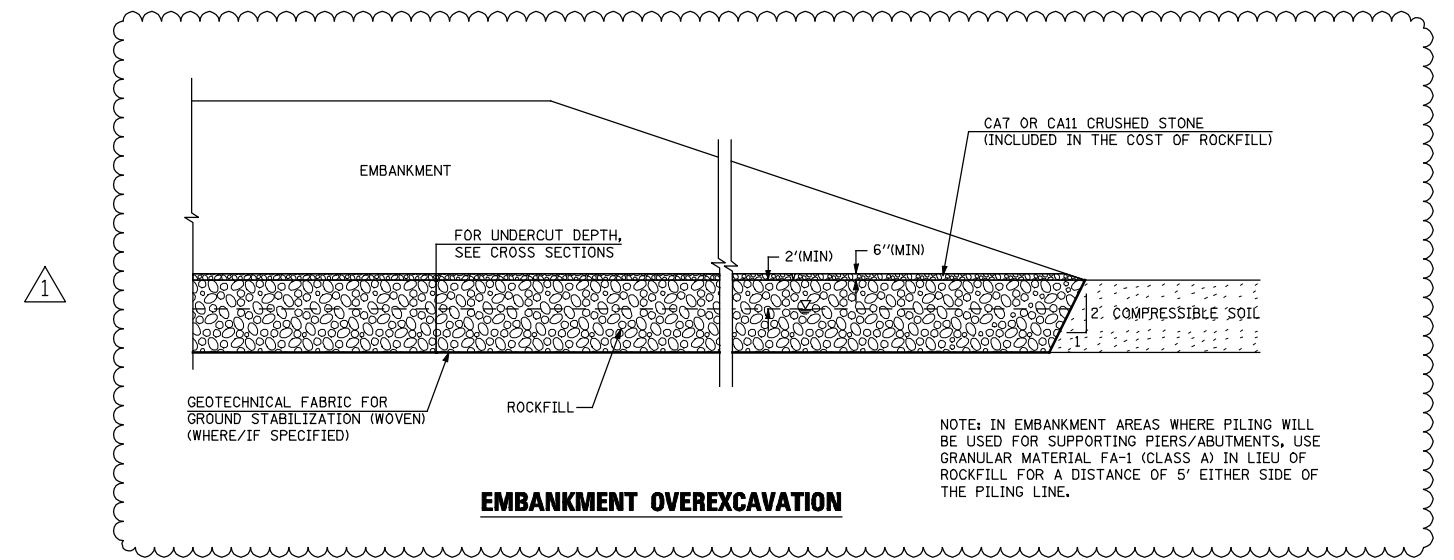
FILE NAME = W:\Transportation\2891\Grading Plans\2891d001.dgn	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 407 (IL RTE 336) UNSATURABLE EXCAVATION TREATMENT FOR CULVERTS			F.A.P. RTE. 407	SECTION (55-3)A	COUNTY McDONOUGH	TOTAL SHEETS 671	SHEET NO. 304
PLOT SCALE = 100.0000' / IN.	CHECKED - AWM	DATE - 12-12-12	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 68A42				
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -			ILLINOIS FED. AID PROJECT							



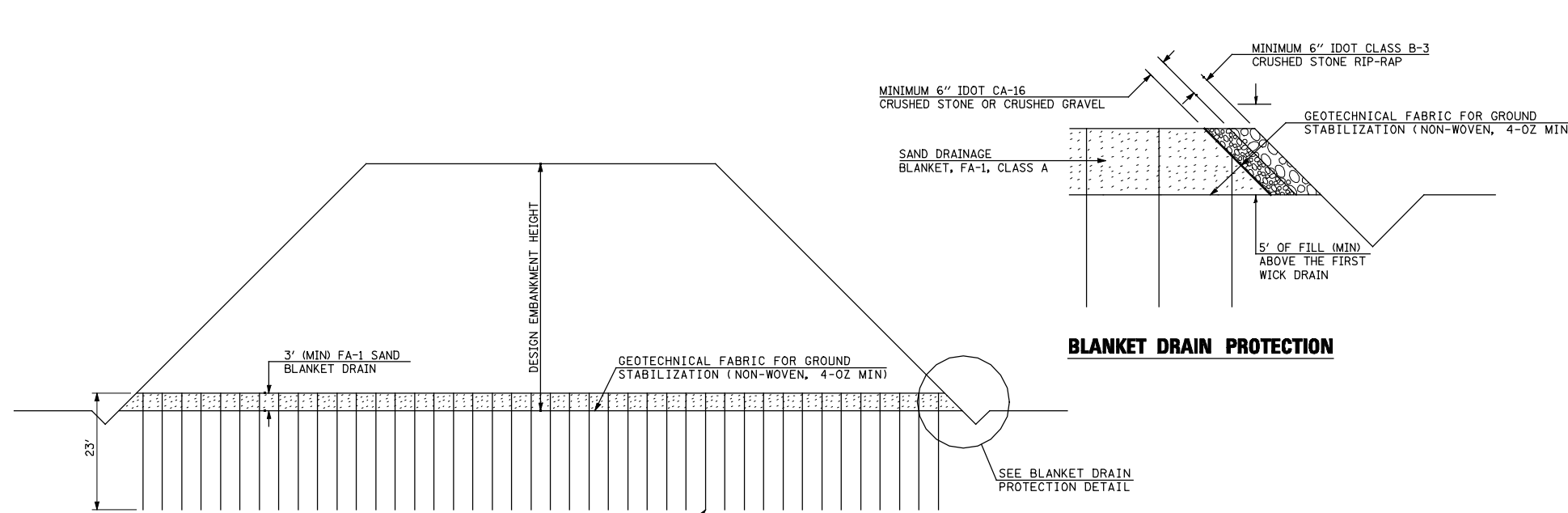
DITCH PROTECTION



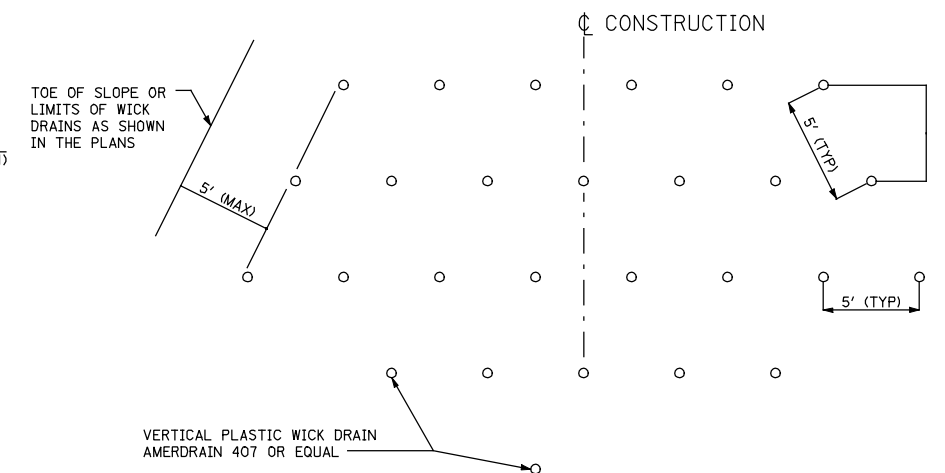
SAND SLOPE PROTECTION



EMBANKMENT OVEREXCAVATION



WICK DRAIN - CROSS SECTION VIEW



WICK DRAIN - PLAN VIEW

NOTE: ALL EXISTING VEGETATION SHALL BE REMOVED AND SAND DRAINAGE BLANKET PLACED PRIOR TO THE INTALLATION OF THE WICK DRAINS AS SHOWN.

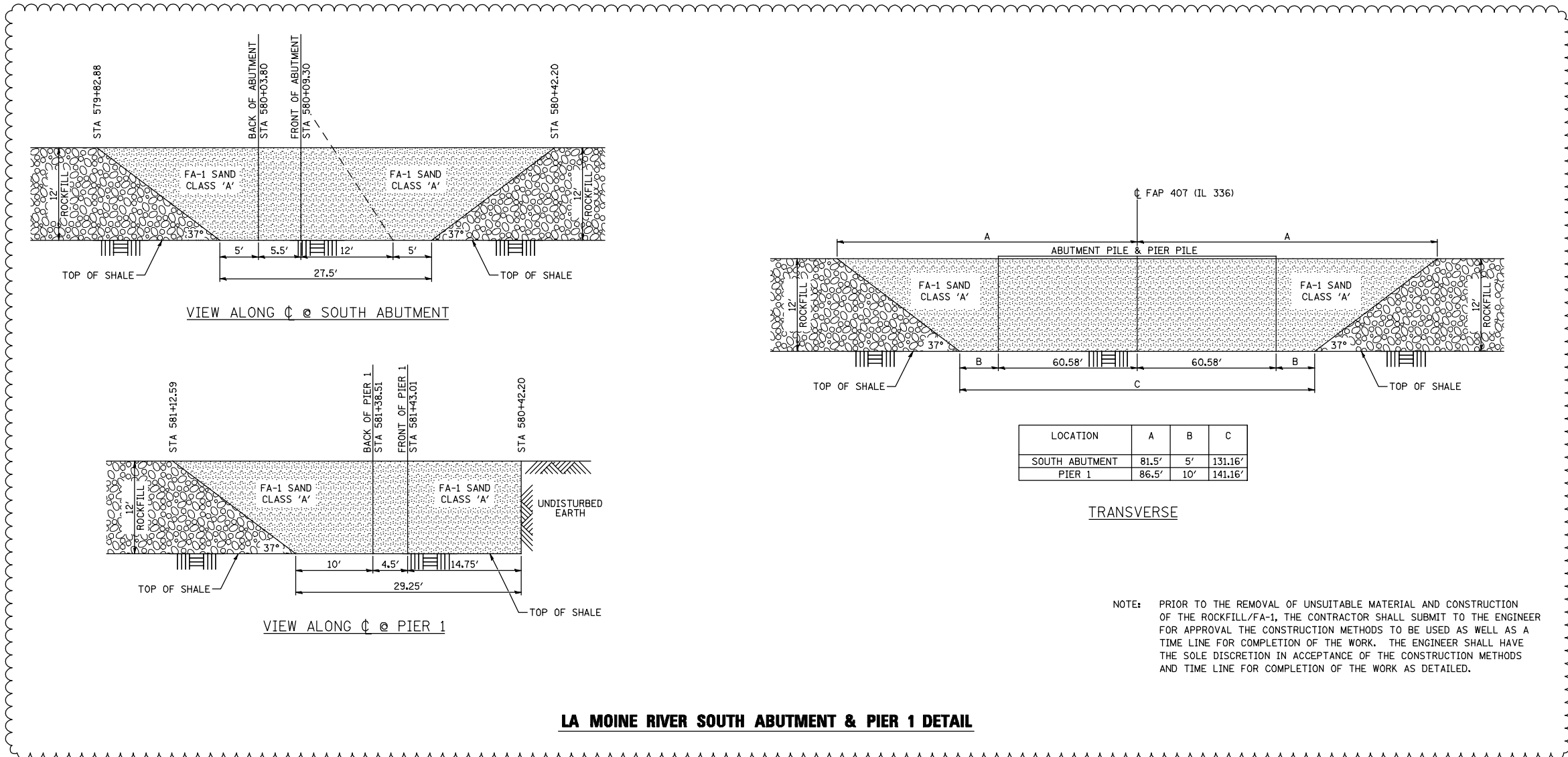
FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED - 02/07/2013
v:\transportation\2891\grading plans\2891.dgn		DRAWN - JMO	REVISED -
PLOT SCALE = 1/8" = 1' IN.		CHECKED - AWM	REVISED -
PLOT DATE = 2/7/2013		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 407 (IL RTE 136)
SPECIAL SOIL TREATMENTS DETAIL**

SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	305
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	



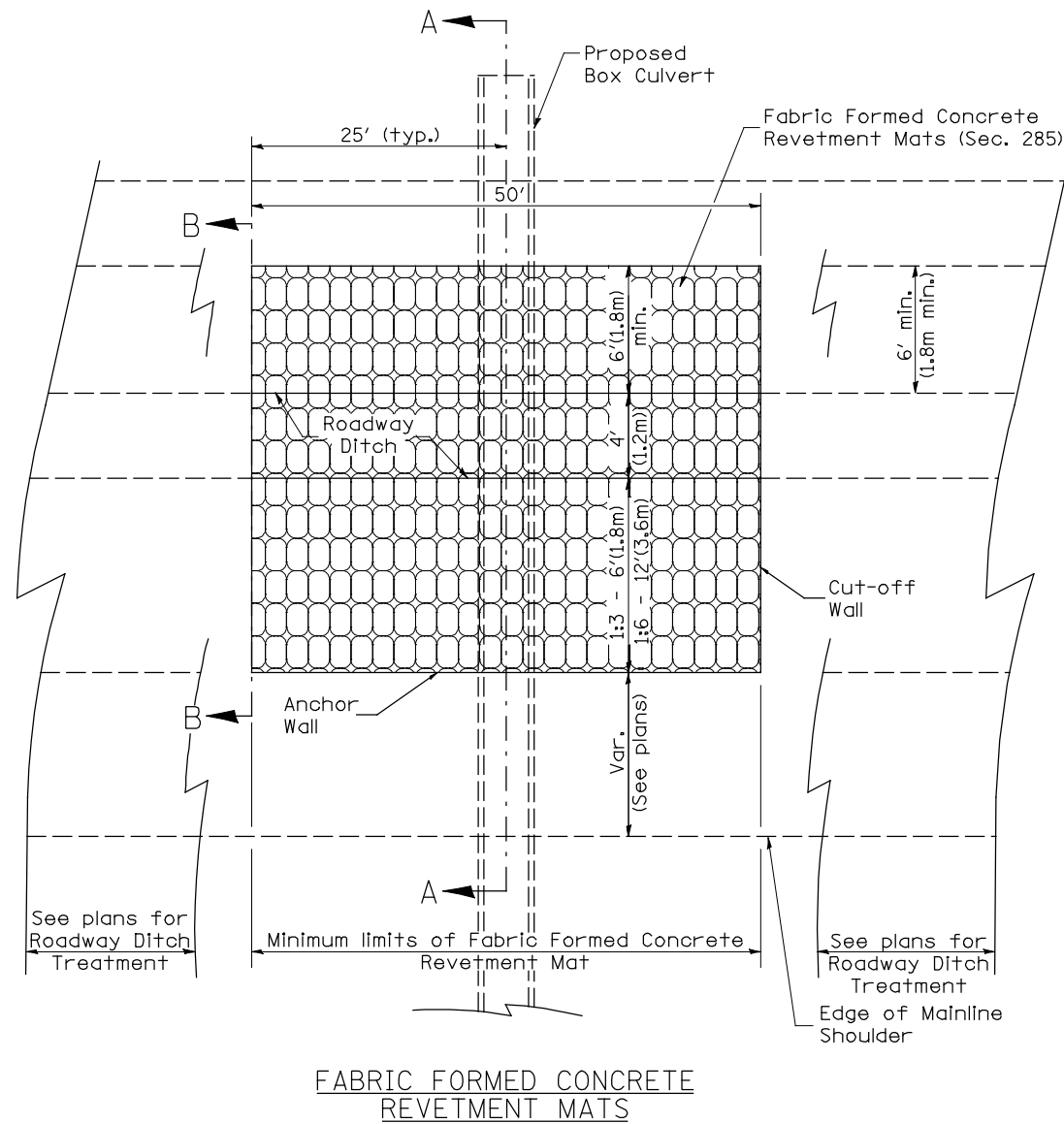
LA MOINE RIVER SOUTH ABUTMENT & PIER 1 DETAIL

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED - 02/07/2013
v:\transportation\2891\grading plans\2891.dgn		DRAWN - JMO	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED - AWM	REVISED -
PLOT DATE = 2/7/2013		DATE - 12-12-12	REVISED -

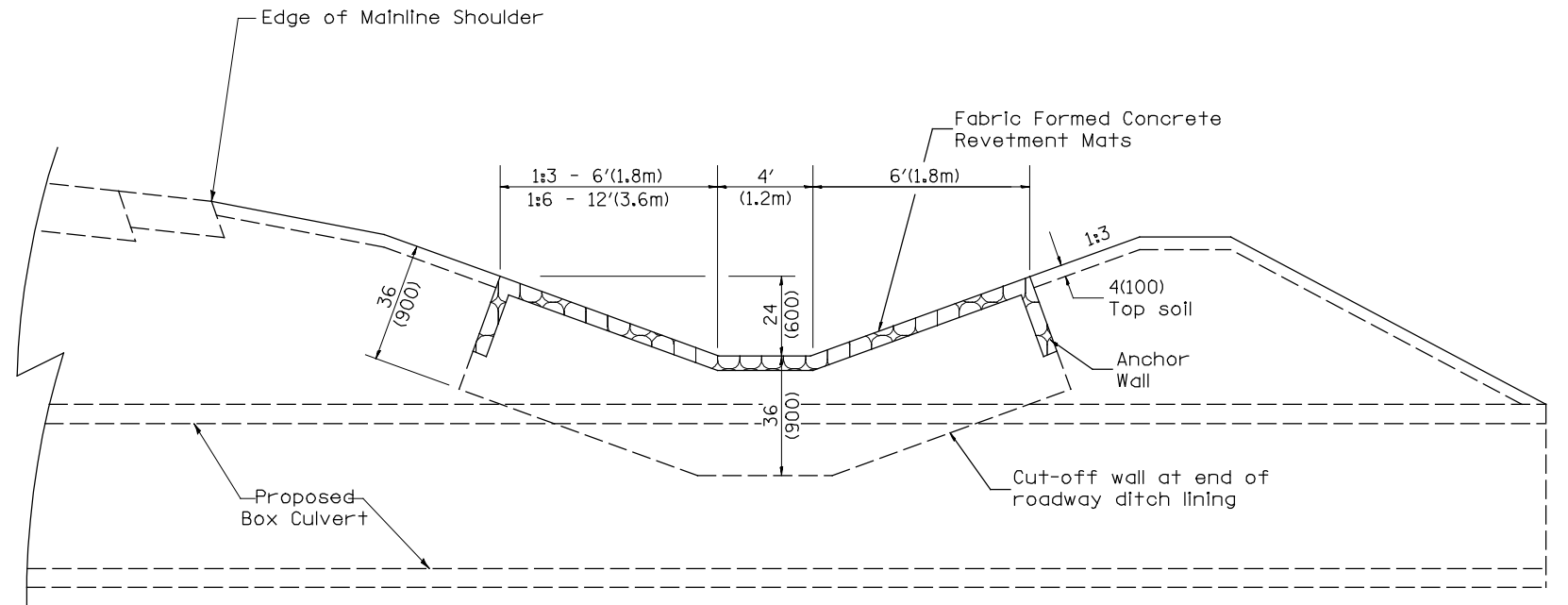
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP 407 (IL RTE 136) SPECIAL SOIL TREATMENTS DETAIL			
SCALE: N/A	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

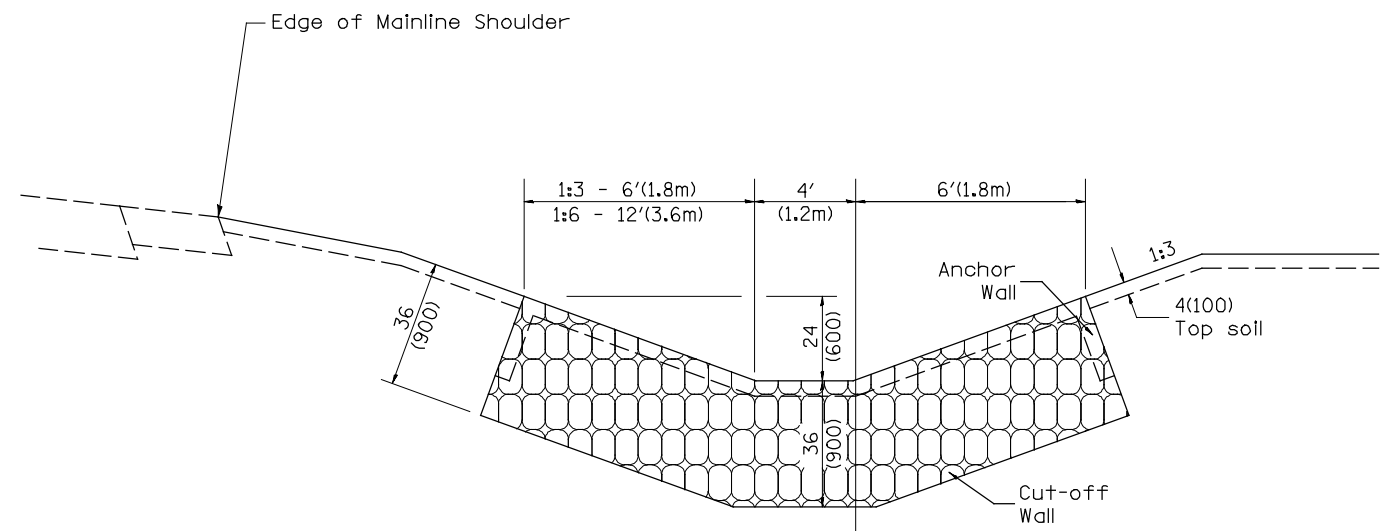
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	305A
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	



**FABRIC FORMED CONCRETE
REVTMENT MATS**



SECTION A-A



**SECTION B-B
(CUT-OFF WALL)**

GENERAL NOTES

1. Fabric Formed Concrete Revetment Mats shall conform to SECTION 285.

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.

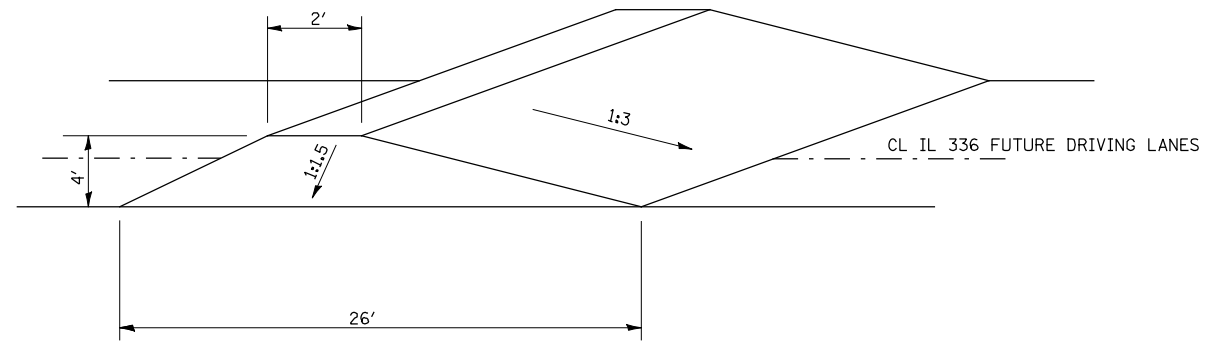
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PLOT SCALE = 100.0000' / IN.		CHECKED - JRB	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 407 (IL RTE 336)
REVTMENT MAT PIPE PROTECTION DETAIL**

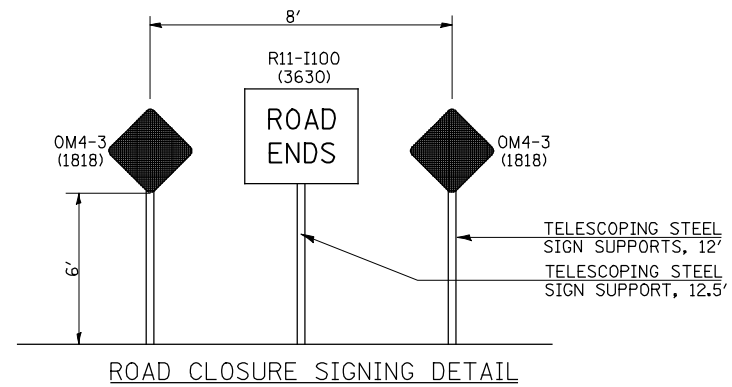
SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	306
CONTRACT NO. 68A42				
ILLINOIS FED. AID PROJECT				

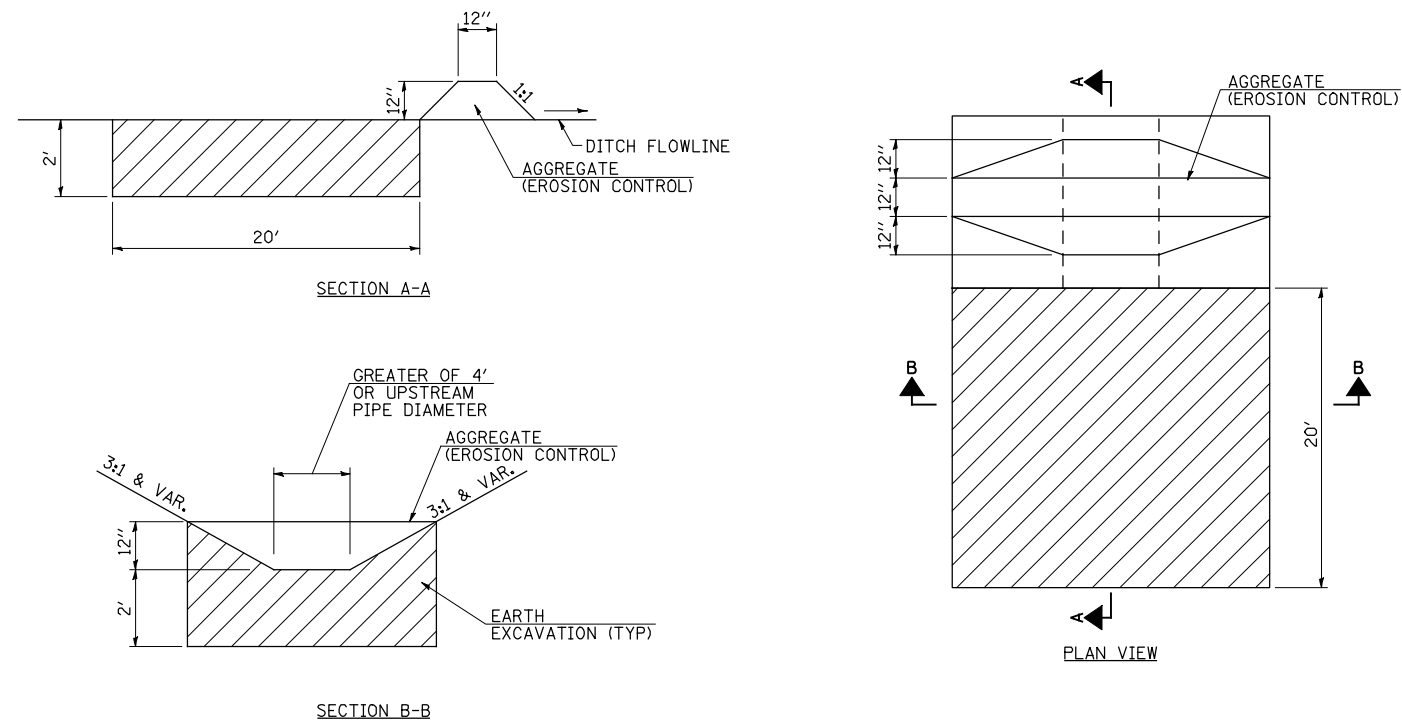


DETAIL OF EARTH BERM FOR LANE CLOSURE

NOTE: THE EARTH BERM WILL NOT BE PAID FOR SEPARATELY,
BUT CONSIDERED INCLUDED IN THE PRICE OF EARTH EXCAVATION.



ROAD CLOSURE SIGNING DETAIL



SEDIMENT BASIN

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
W:\Transportation\2891\Grading Plans\2891.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED - JRB	REVISED -
	PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -

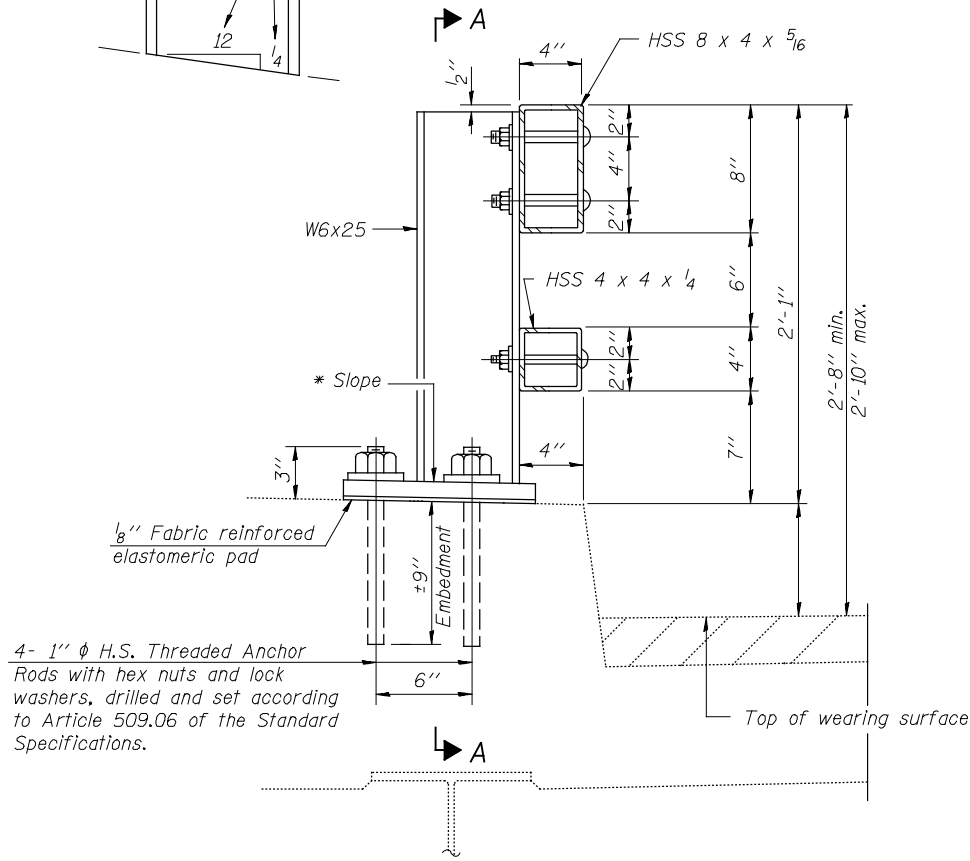
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL RTE 336)
SPECIAL EROSION CONTROL/ROAD CLOSURE SIGNING DETAILS

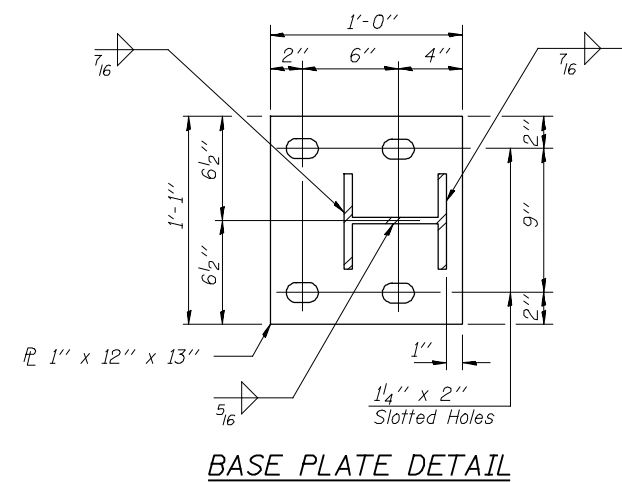
SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	307
			CONTRACT NO. 68A42	
ILLINOIS FED. AID PROJECT				

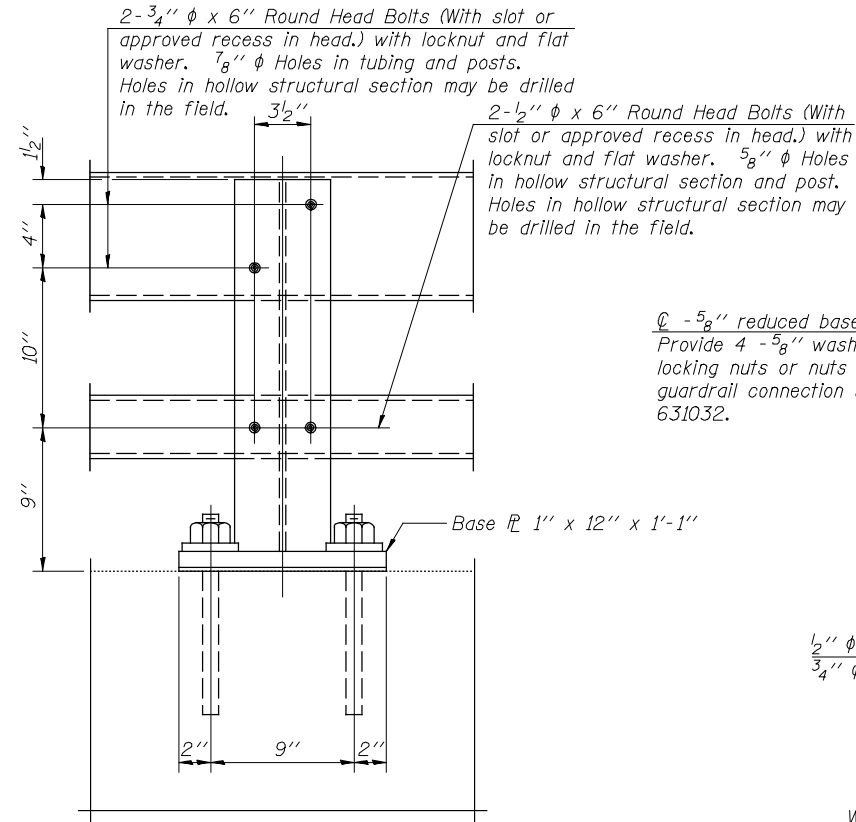
* Cut bottom end of post to curb slope.



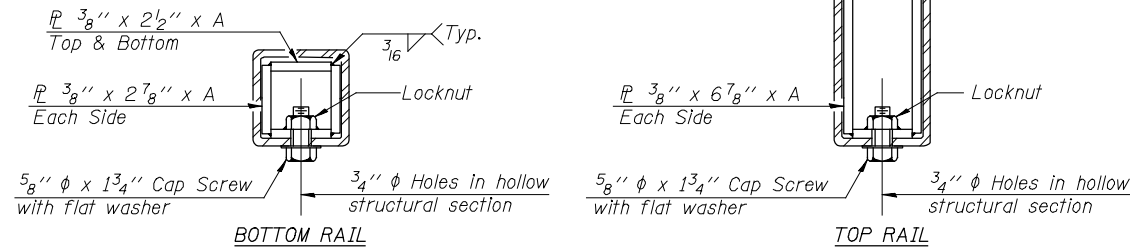
SECTION AT RAIL POST



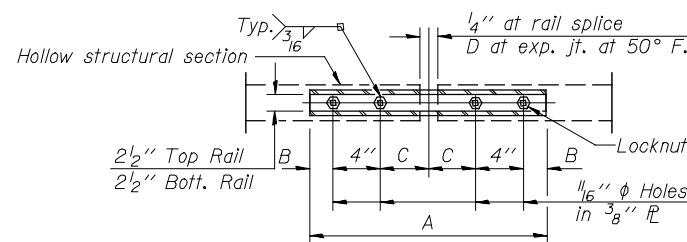
BASE PLATE DETAIL



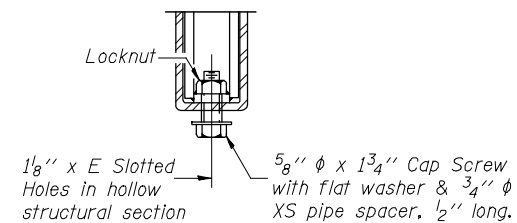
SECTION A-A



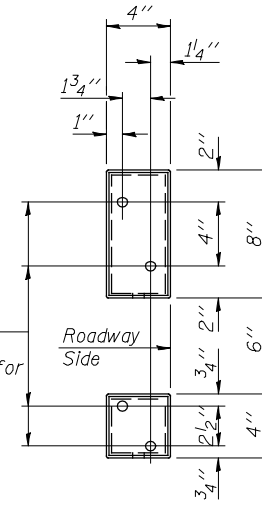
SECTIONS AT RAIL SPLICE



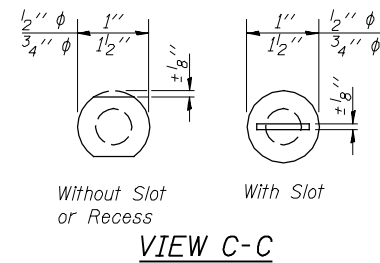
PLAN-BOTT. SPLICE R TYPICAL



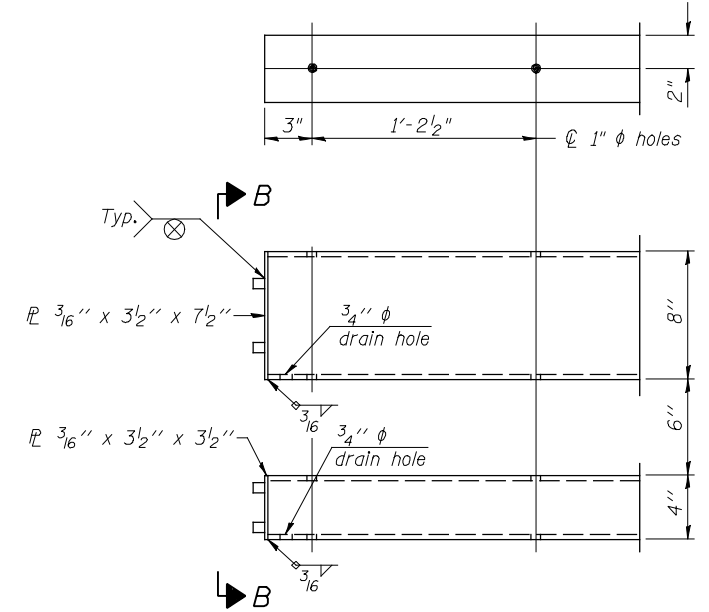
RAIL SPLICE CONNECTION AT EXPANSION JT.



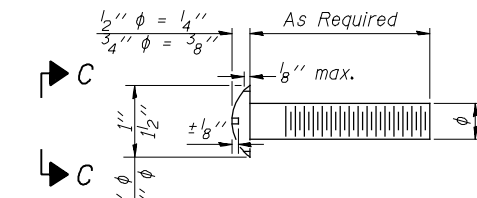
VIEW B-B



VIEW C-C



END OF RAIL DETAILS



DETAIL OF 1/2" & 3/4" ROUND HEAD BOLTS

Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow ralling movement.
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤4"	2 1/2"	1'-8"	2"	4"	2 1/2"
>4"≤6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
>6 1/2"≤9"	5"	2'-4"	3 1/2"	6 1/2"	9"
>9"≤13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	192

R-31

7-1-10

(6'-3" Maximum Post Spacing)

FILE NAME = W:\Transportation\2891\Grading Plans\2891.dgn	USER NAME = jdeen	DESIGNED - JRB	REVISED -
		DRAWN - JMO	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -

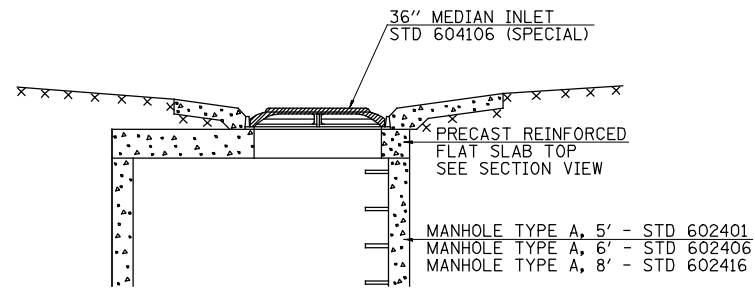
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL RTE 336)
STEEL RAILING, TYPE 2399

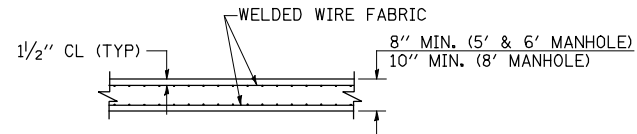
SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	308
			CONTRACT NO. 68A42	

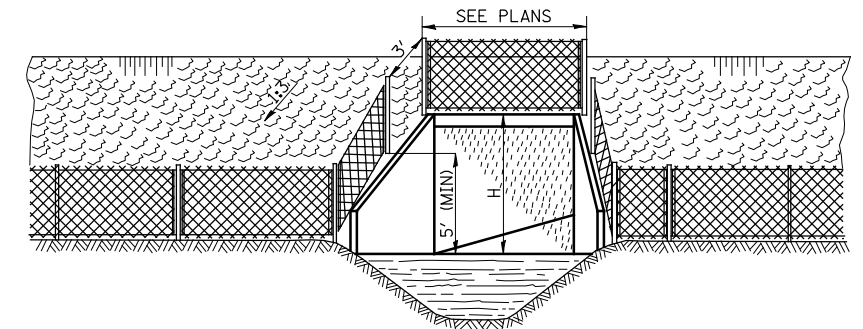
ILLINOIS FED. AID PROJECT



DETAIL OF STANDARD 36" MEDIAN INLET
ON FLAT SLAB TOP



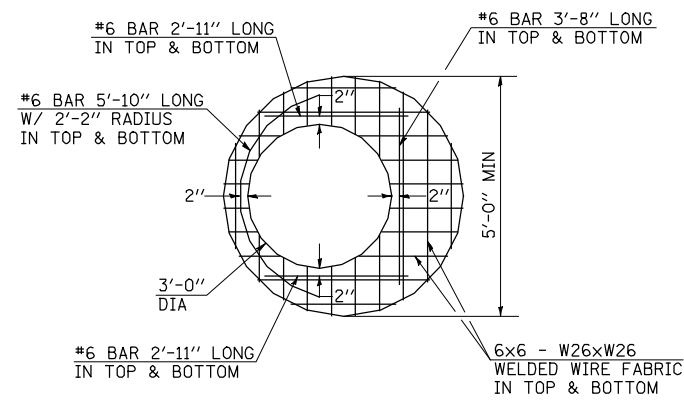
TYPICAL FLAT SLAB TOP SECTION VIEW
FOR 5', 6' & 8' MANHOLES



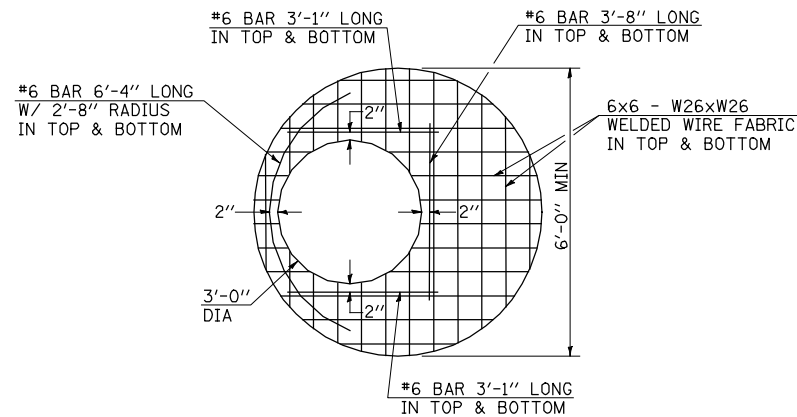
H ≥ 6': PROVIDE FENCE SECTION ALONG TOP OF OF HEADWALL AND
CONSTRUCT AS DETAILED.
H < 6': OMIT FENCE SECTION ALONG TOP OF HEADWALL. CONSTRUCT
FENCE ALONG WINGWALLS TO TOP OF HEADWALL.

LOCATION
STA 608+00 LT & RT
STA 691+00 LT & RT

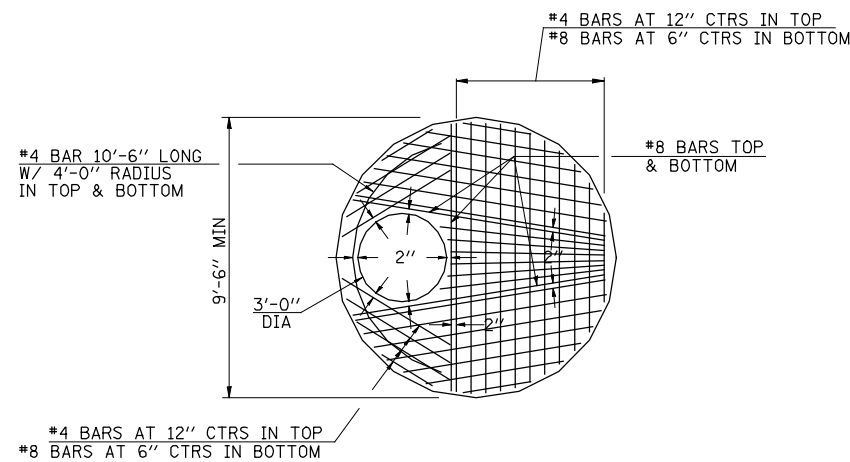
DETAIL OF FENCE GAP FOR WILDLIFE EXIT



5' MANHOLE FLAT SLAB TOP DETAIL
WITH 36" OPENING



6' MANHOLE FLAT SLAB TOP DETAIL
WITH 36" OPENING



8' MANHOLE FLAT SLAB TOP DETAIL
WITH 36" OPENING

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
W:\Transportation\2891\Grading Plans\2891d001.dgn		DRAWN - TJD	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED - JRB	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

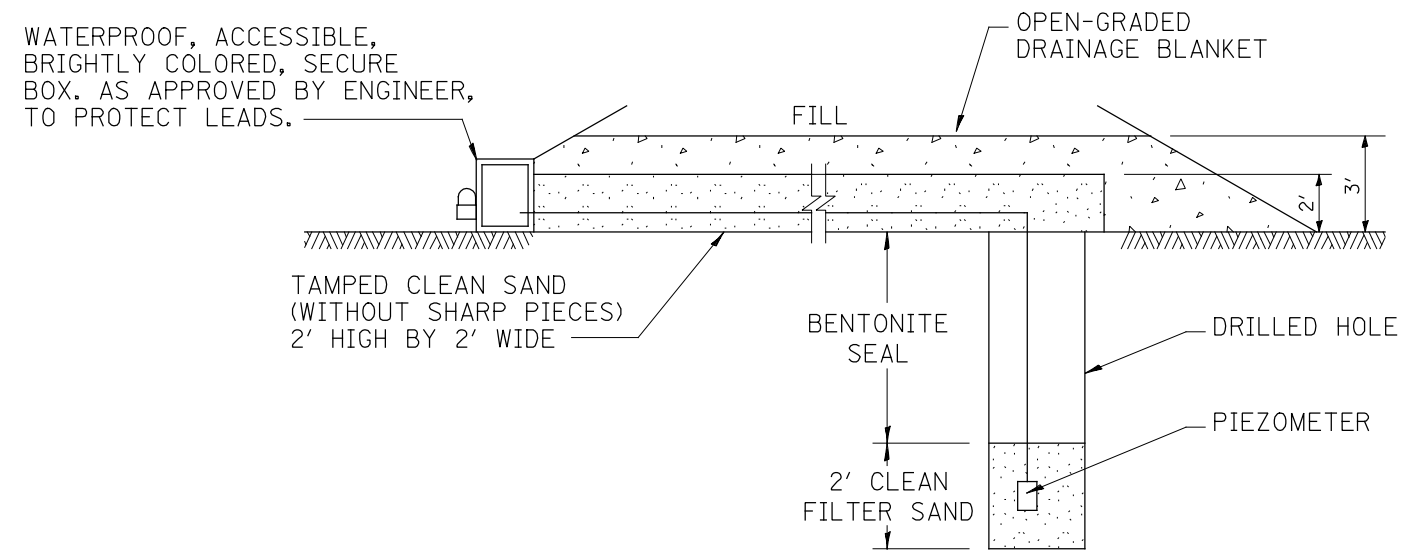
FAP 407 (IL RTE 336)
FLAT SLAB TOP AND WILDLIFE EXIT DETAILS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	309
			CONTRACT NO. 68A42	
ILLINOIS FED. AID PROJECT				

NOTES:

1. Installation per Piezometer Manufacturer recommendations and as approved by engineer.
2. Contractor shall record groundwater level during installation and submit to Engineer.
3. The contractor shall take care to ensure the piezometer installations are protected from damage. Should any damage or malfunction occur to any portion of the installation, the contractor shall immediately cease all work on the subject embankment and immediately make the necessary repairs at no additional cost to the contract. Work on the subject embankment shall not resume until all repairs have been complete to the satisfaction of the engineer



TYPICAL PIEZOMETER INSTALLATION DETAIL
(NOT TO SCALE)

PIEZOMETER ELEVATIONS AND ESTIMATED MAXIMUM PIEZOMETER WATER LEVEL READINGS ALLOWABLE TO MAINTAIN AN ADEQUATE FACTOR OF SAFETY AGAINST SLOPE FAILURE
(DATA PROVIDED BY IDOT)

RECOMMENDED PIEZOMETER LOCATIONS

LOCATION NUMBER	STATION	OFFSET	NEAREST BORING	APPROXIMATE ELEVATION (FT)	EST. INITIAL READING (psf)	EST. MAX ALLOWABLE READING ² (psf)				
						5 FT (FILL HT)	8 FT (FILL HT)	10 FT (FILL HT)	16 FT (FILL HT)	24 FT (FILL HT)
1	680+00	45' RT	B-129	612	619		1123		1022	821
2	679+75	45' LT	B-126	612	619		1123		1022	821
3	682+50	45' RT	B-131	625	244	533		490		
4	682+15	45' LT	B-128	625	244	533		490		

1. Piezometers should be founded in soft clay layers. See nearest boring for additional subsurface stratigraphy details.
2. Values maintain minimum FS of 1.3 using short term values.

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
W:\Transportation\2891\Grading Plans\2891d001.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED - JRB	REVISED -
	PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

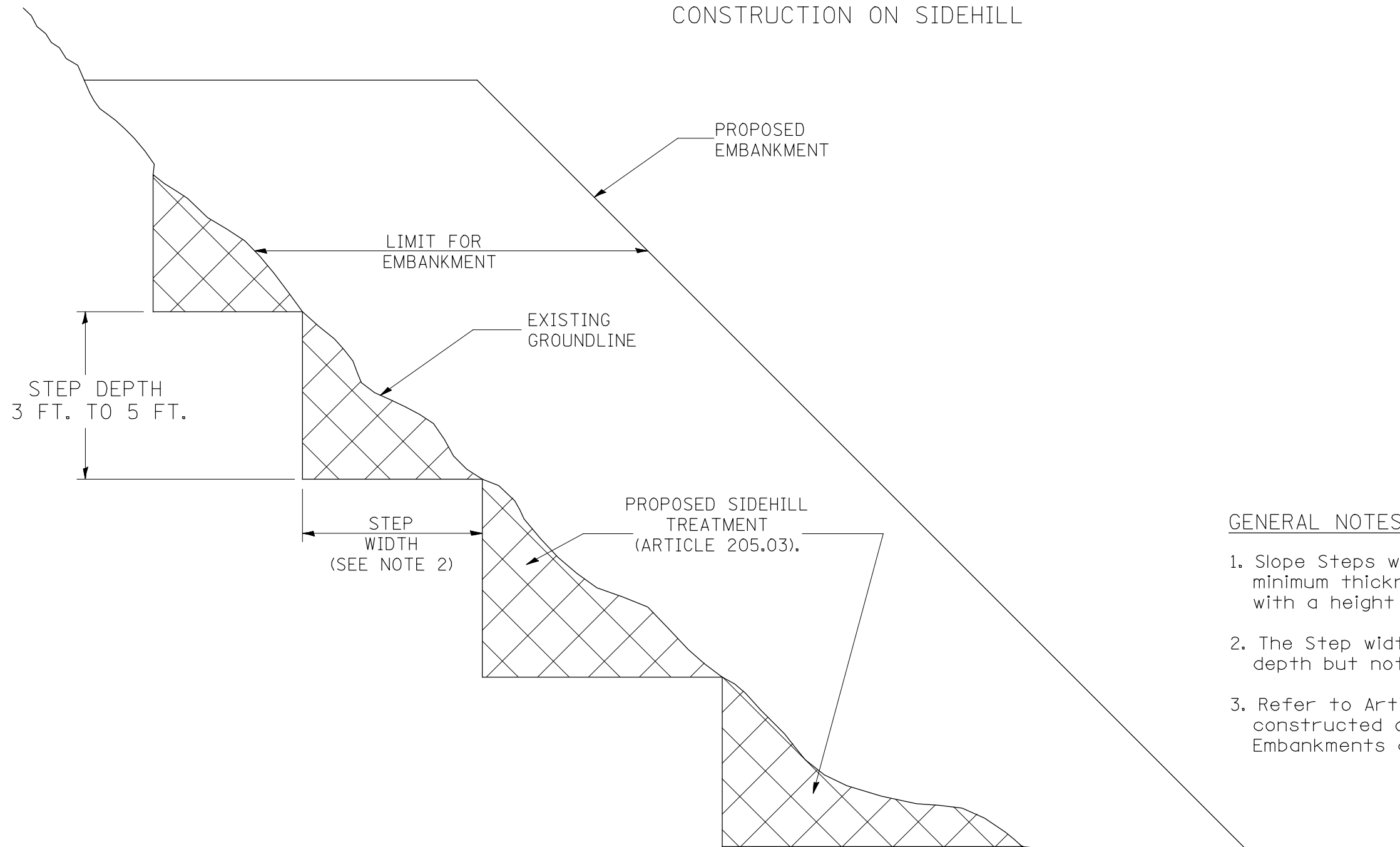
PIEZOMETER DETAIL

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	310
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

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**

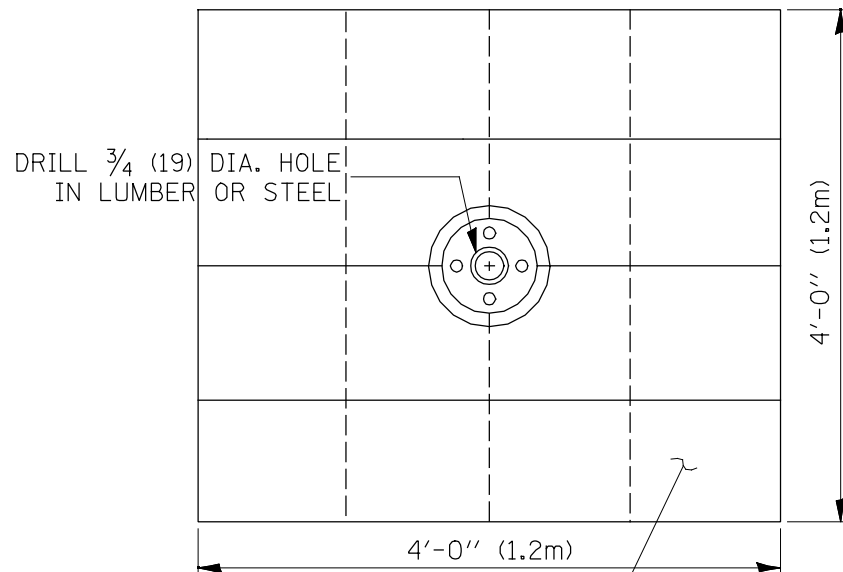
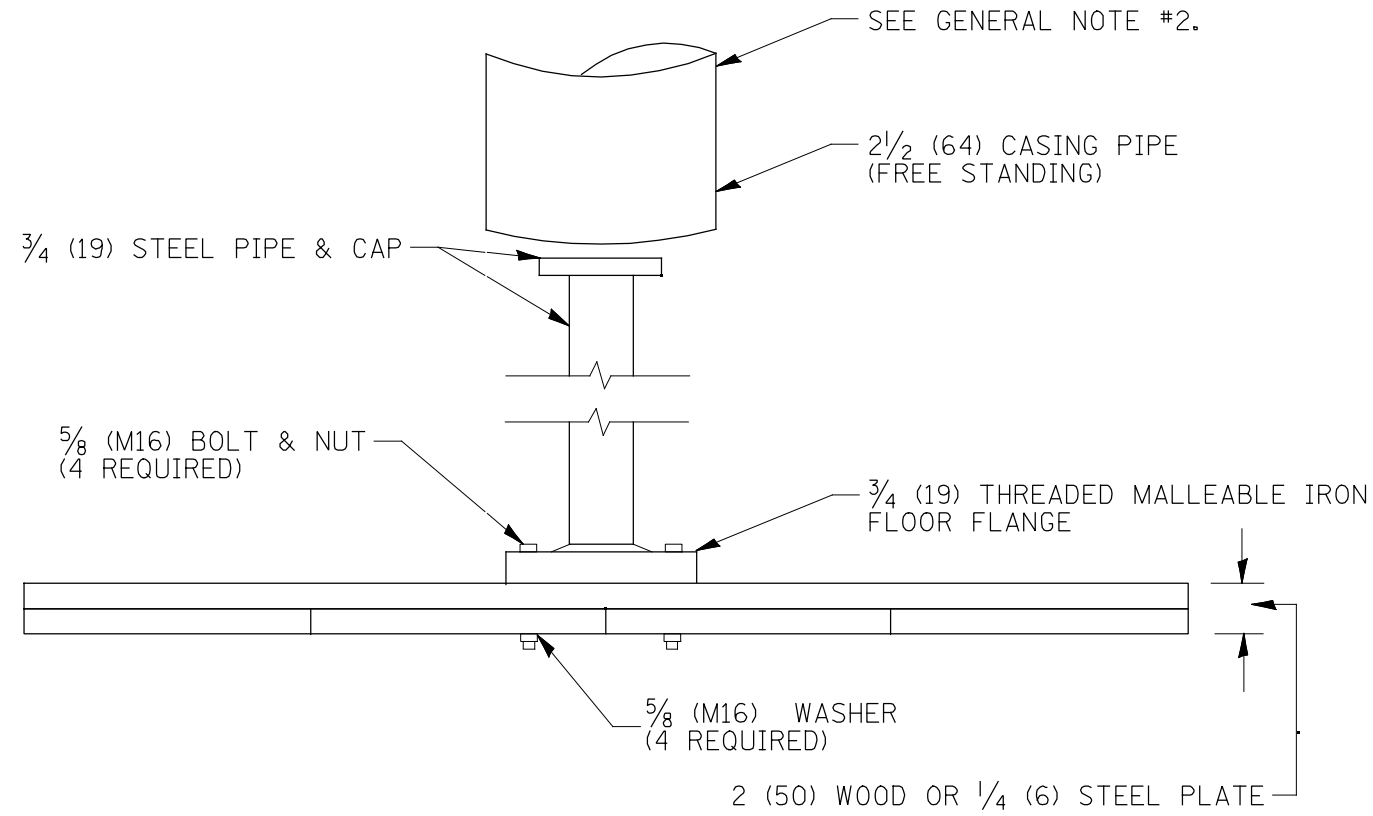
SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	311
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

DESIGNER NOTES:
 1. SEE SOILS REPORT AND BUREAU OF MATERIALS FOR USAGE, LOCATIONS, AND SETTLEMENT RATES.
 2. CONSIDER USE ON BRIDGE EMBANKMENT AND OTHER SETTLEMENT SENSITIVE FILLS.
 3. THIS DRAWING ALLOWS FOR WOODBASE PLATE OPTION.



SOUND LUMBER - 1(25) x 12(300) NAILED TOGETHER OR 1/4(6) THICK BY 4'(1.2m) SQUARE STEEL PLATE

GENERAL NOTES:

1. Settlement Platform shall be in accordance with the applicable portions of Article 204.06 of the Standard Specifications.
2. Do Not install casing pipe until after one section of 3/4"(19 mm) has been covered with earth. The casing pipe should not rest on platform.

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

1-1-97	RENUM. L-5.04, NEW REVISION BOX, REVISED NOTES, REVISED TITLE BOX	T.P.	8-23-01	UPDATE FOR NEW SPEC.	M.A.
4-14-99	ADDED "CASING PIPE" REQUIREMENT	J.A.	10-16-06	REVISED TO 2007 SPEC.	M.A.
5-19-99	CORRECTIONS TO CASING PIPE	J.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SETTLEMENT PLATFORM

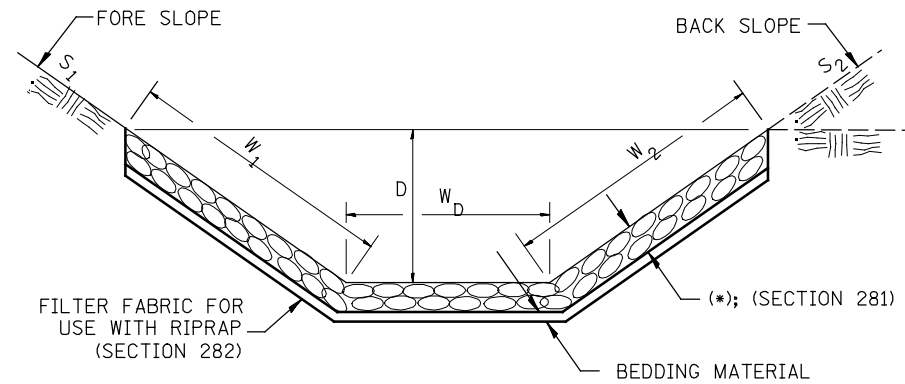
NOT TO SCALE

CADD STD. 205101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	312
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

Designer NOTES:
 1. Designer to modify this Special Detail Sheet, as needed for inclusion in plans.
 2. (*) Designer to specify pay item including material, quality, and gradation.
 3. Include District Special Provision if needed.

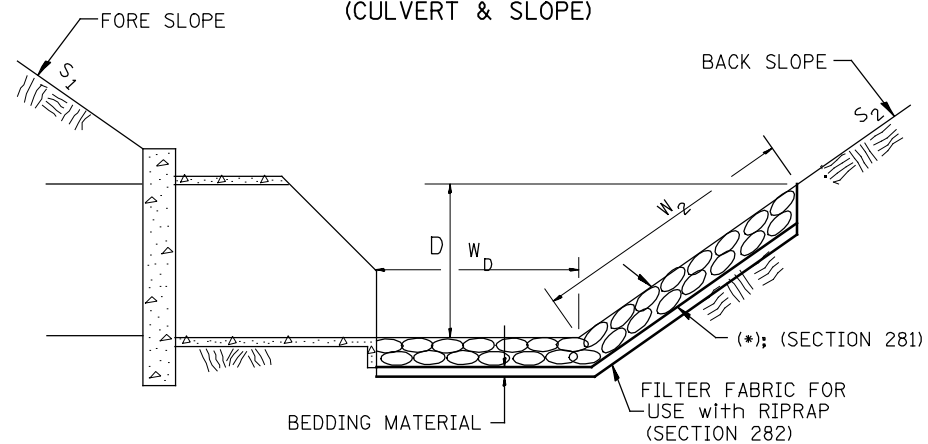
CASE 1
(DITCH)



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
SEE SCHEDULES OF QUANTITIES				
TOTAL				

(1) WIDTH = $W_1 + W_2 + W_D$

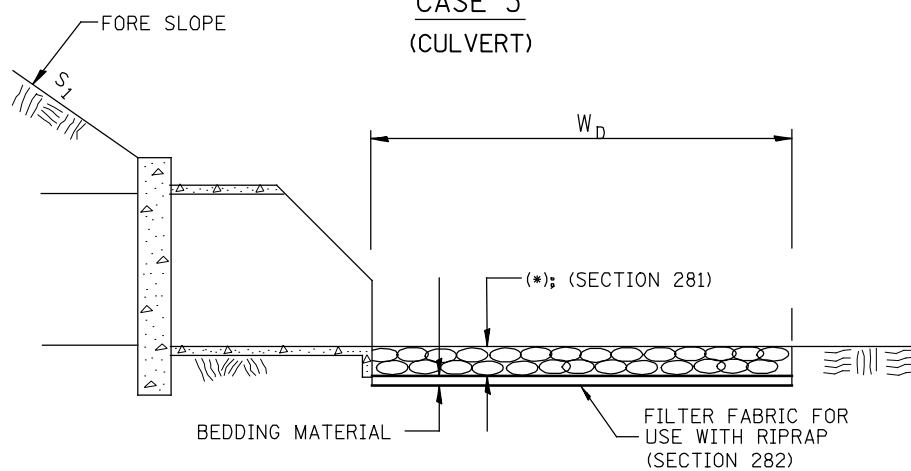
CASE 2
(CULVERT & SLOPE)



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
SEE SCHEDULES OF QUANTITIES				
TOTAL				

(1) WIDTH = $W_2 + W_D$

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 SCHEDULES OF QUANTITIES				
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

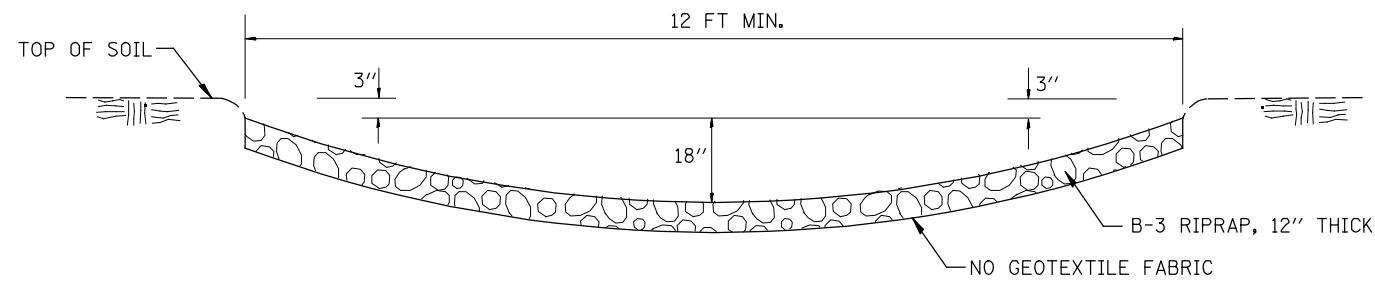
NOT TO SCALE

CADD STD. 281001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	314
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

DESIGNER NOTES:
 1. Consider use on back and foreslopes greater than 35' tall.
 2. Discuss use with Geotech Engineer and Project Engineer.
 3. Foreslope and backslope ratios may be changed to fit conditions.
 4. Install section B-B outlets every 300' +/- depending on terrain.

SECTION A-A



SECTION B-B

EDGE OF SHOULDER

2' min. depth on fore slope

2:1

A

FL AT MIDDLE OF SWALE

A

15' ± 12'

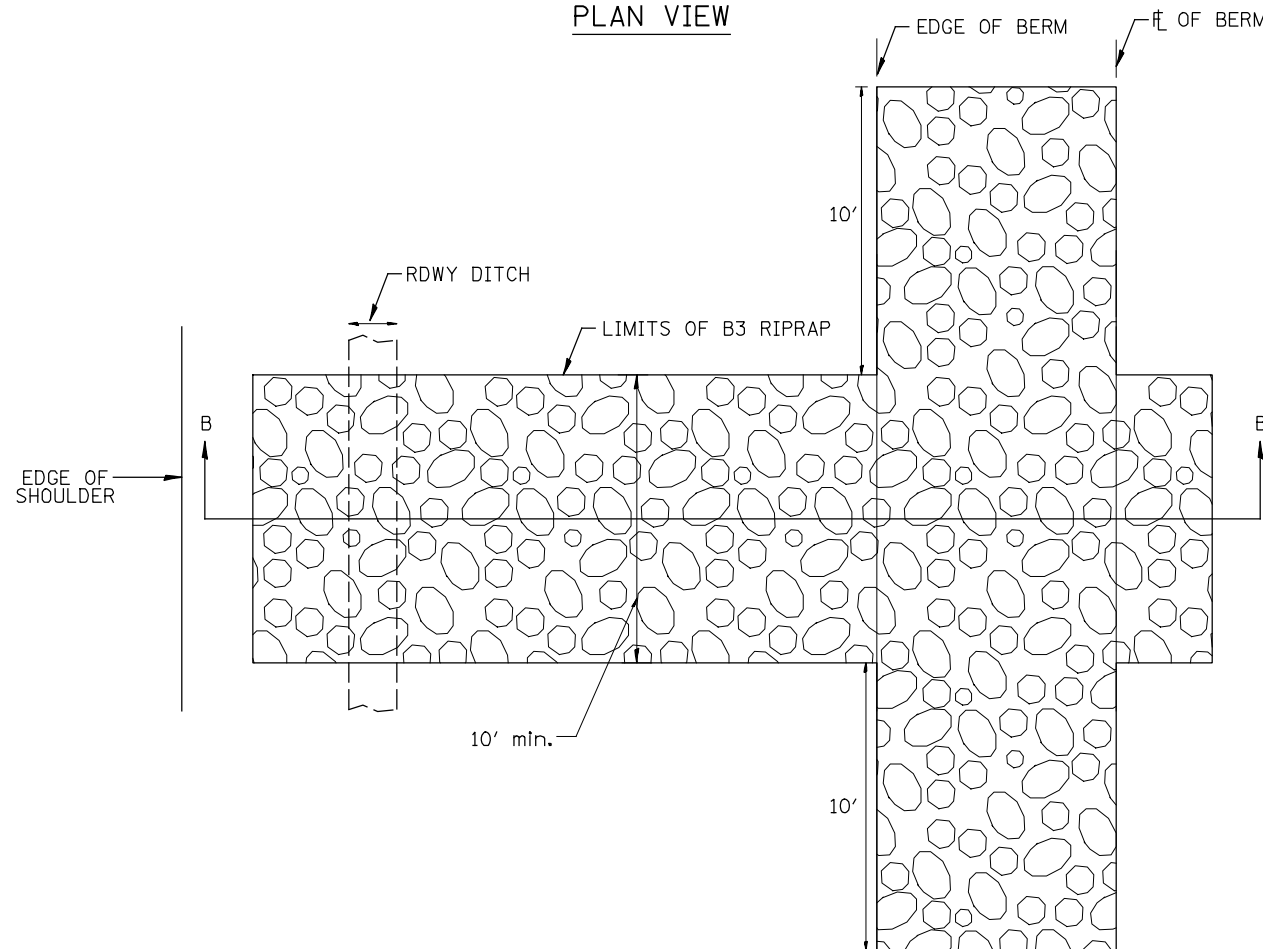
3.0' / 2.0'

2:1

5:1 / 6:1

12" B-3 RIPRAP

PLAN VIEW



NOTES:

1. This work shall be performed in accordance with Section 281 of the Standard Specifications and will be paid for as STONE RIPRAP, CLASS B3.
2. When berm width is 15', use a 5:1 slope and 3' minimum depth. When berm width is $\leq 12'$, use a 6:1 slope and 2' minimum depth.
3. No bedding material is required.

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.

8-21-12	CREATED NEW STD.	R.D.			

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SLOPE BERMS AND DRAINAGE WAYS

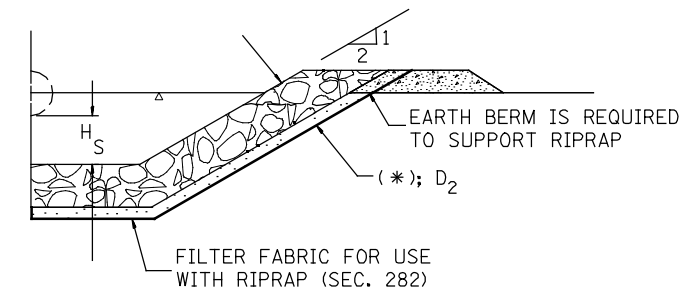
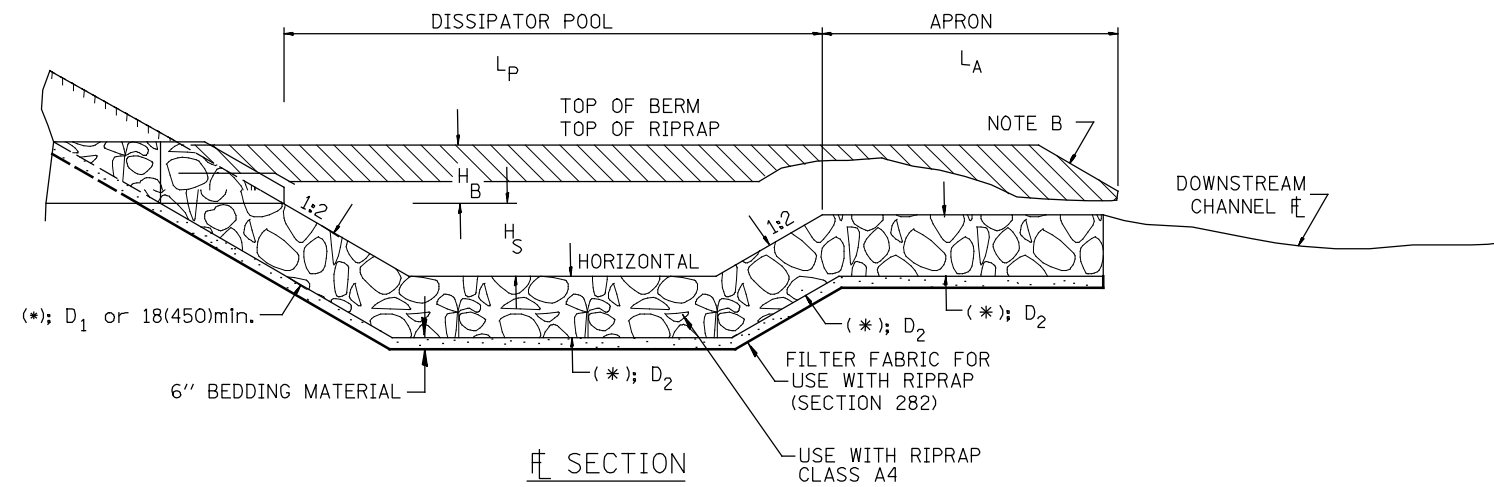
NOT TO SCALE

CADD STD. 281002-D4

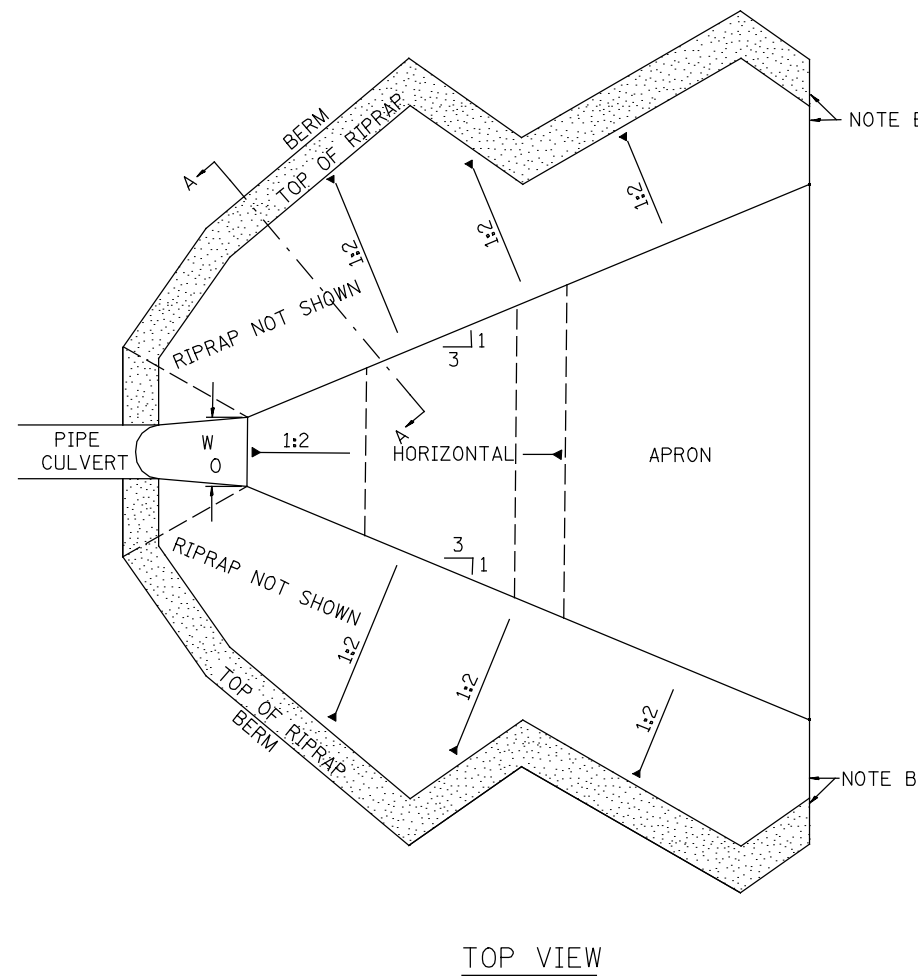
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	315
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

Designer NOTES:

1. Designer to modify this Special Detail Sheet, as needed for inclusion in plans.
2. (*) Designer to specify pay item including material, quality, and gradation.
3. (**) Designer to specify thickness of bedding material.
4. Include District Special Provision if needed.



SECTION A-A



STATION	W ₀	L _P	L _A	H _S	H _B	D ₁	D ₂	D ₃
659+10	27.0'	36.0'	61.2'	1.2'	3.0'	22"	22"	22"
665+90	20.4'	35.5'	40.3'	2.4'	1.7'	22"	22"	22"
676+15	8.4'	12.4'	15.6'	0.7'	2.8'	22"	22"	22"
679+00	20.5'	32.0'	43.7'	1.5'	4.0'	22"	22"	22"
702+70	8.0'	20.0'	24.0'	0.8'	4.9'	22"	22"	22"
779+70	18.1'	23.9'	41.5'	1.5'	2.9'	22"	22"	22"
820+00	23.5'	32.0'	0	2.8'	2.8'	22"	22"	22"
827+60	23.5'	33.2'	0	1.9'	1.3'	22"	22"	22"
5028+10	8.0'	64.3'	0	0.5'	6.0'	22"	22"	22"

NOTE B: WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL

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-12.03, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP ENERGY DISSIPATOR

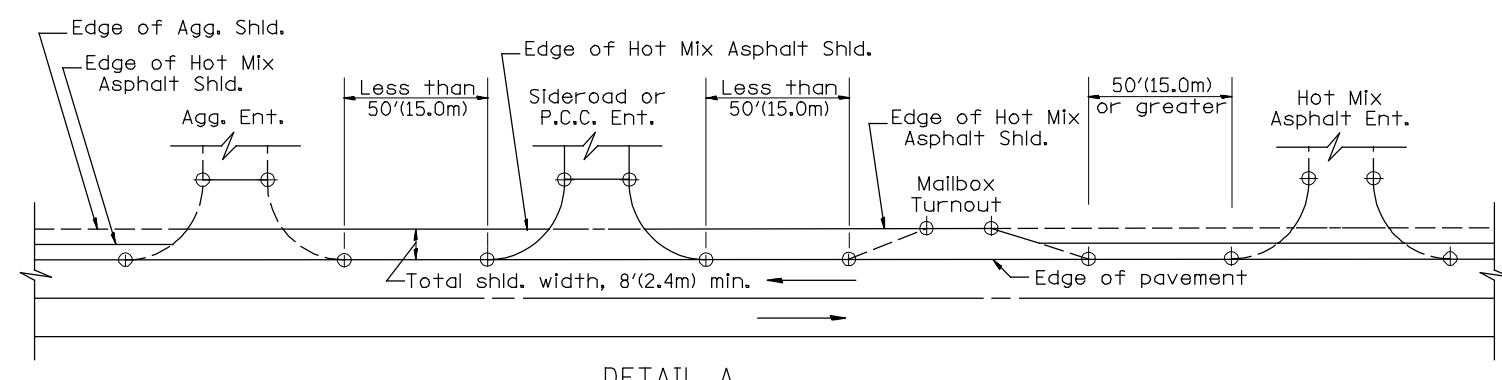
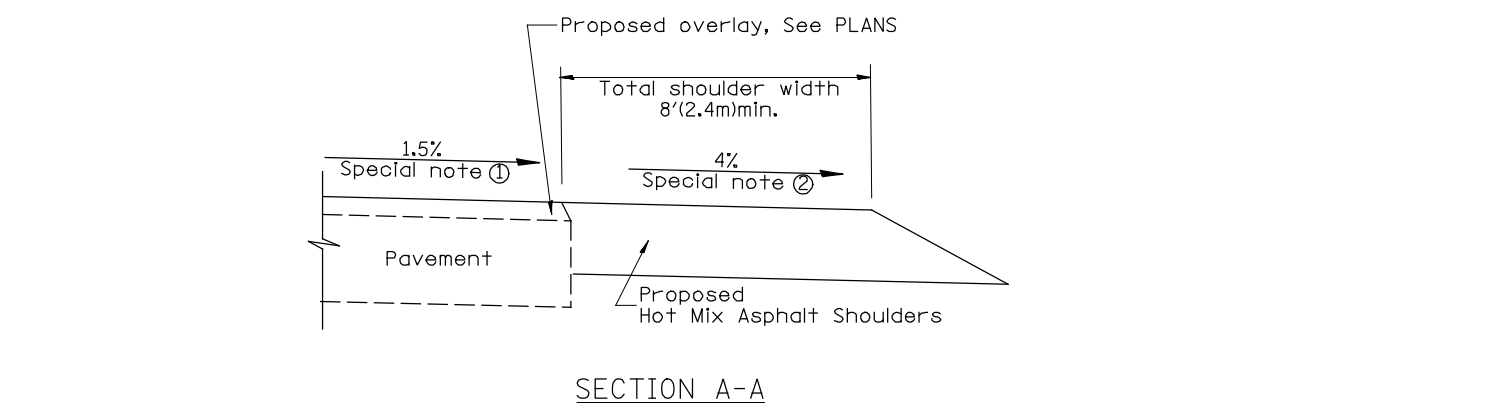
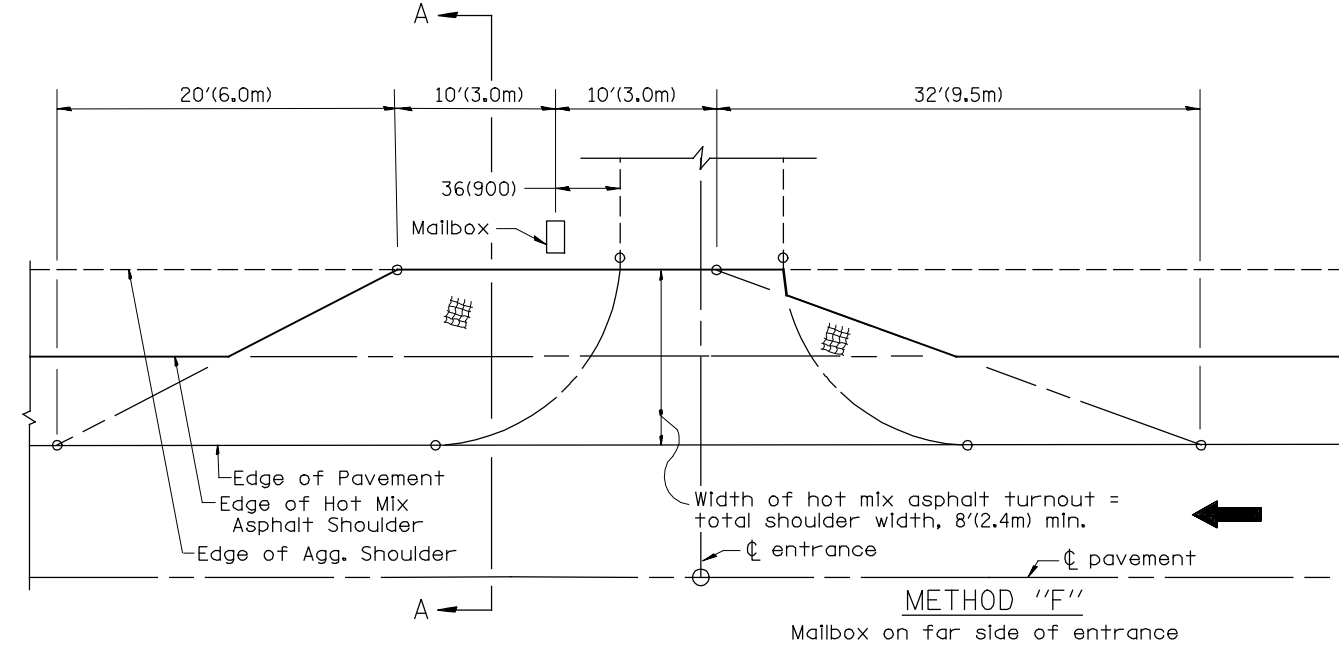
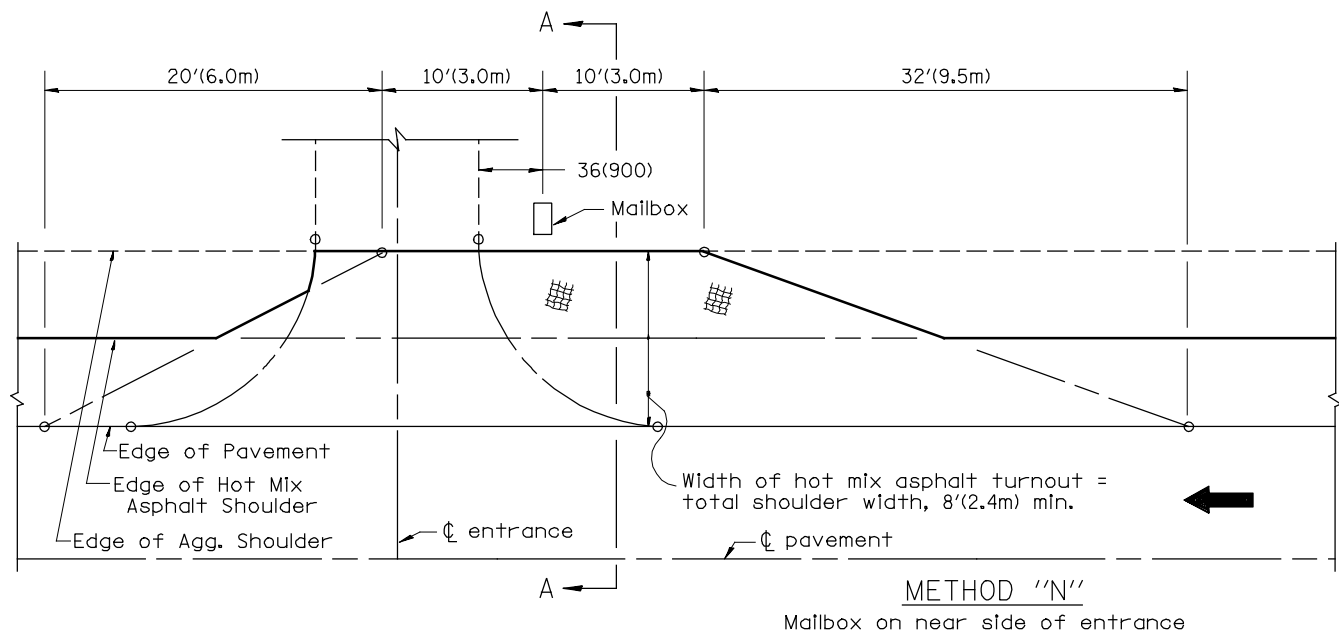
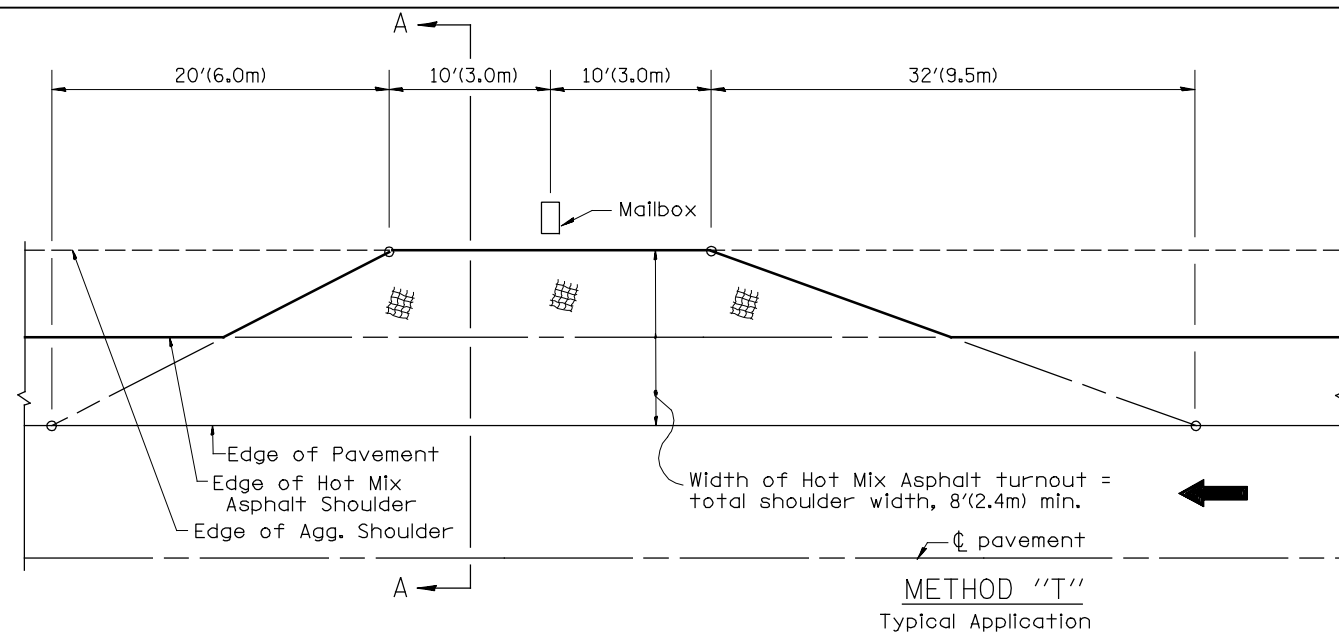
NOT TO SCALE

CADD STD. 281101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	316
CONTRACT NO. 68A42				

FED. ROAD DIST. NO. 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.

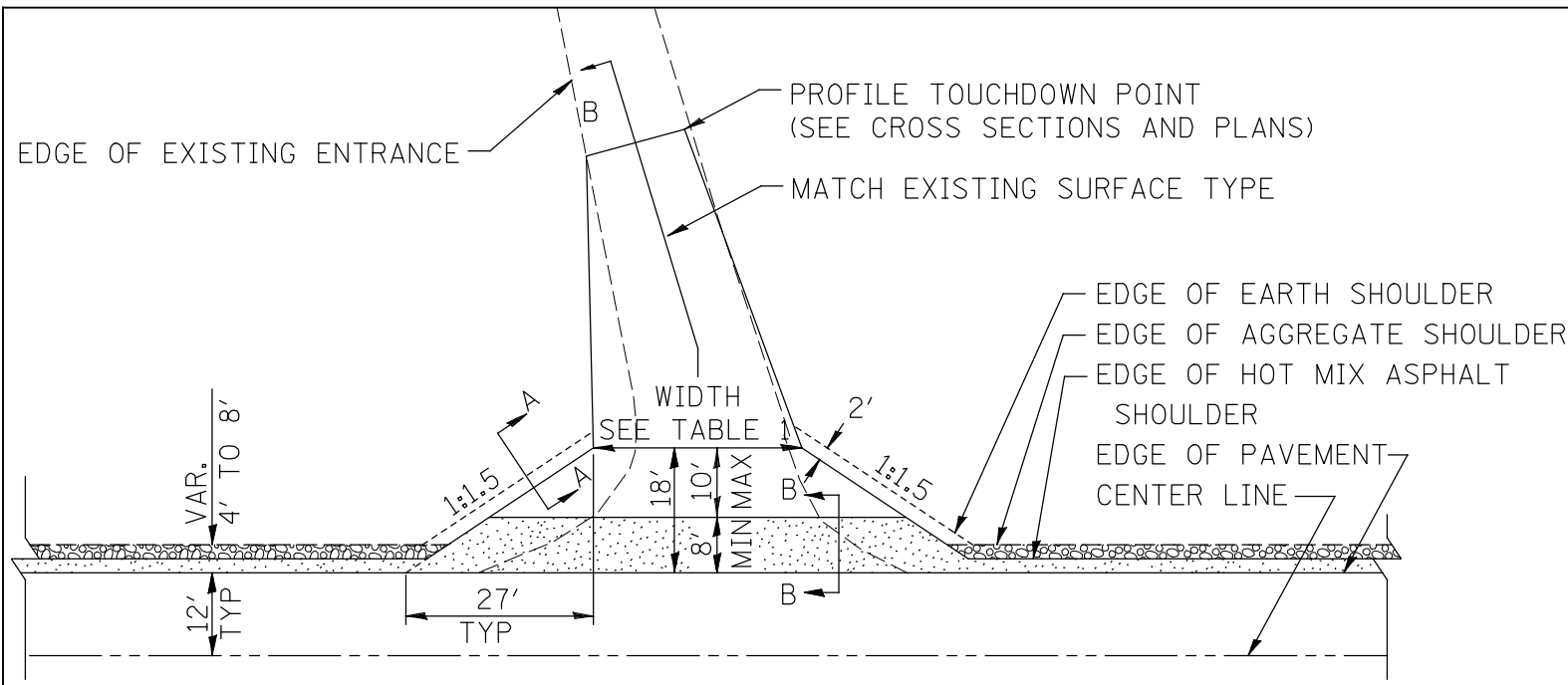
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUTS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406201-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	317
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

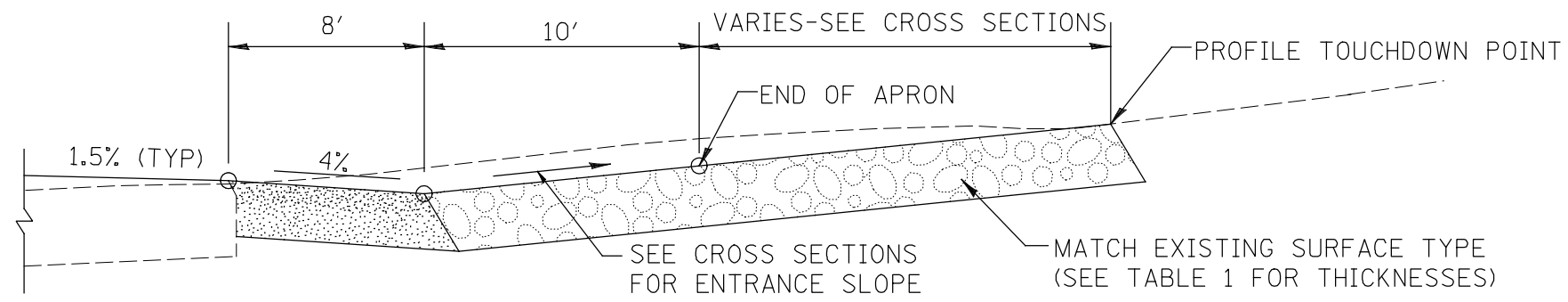


HOT MIX ASPHALT SHOULDER, 8"
 AGGREGATE SHOULDER, TYPE B, 6"

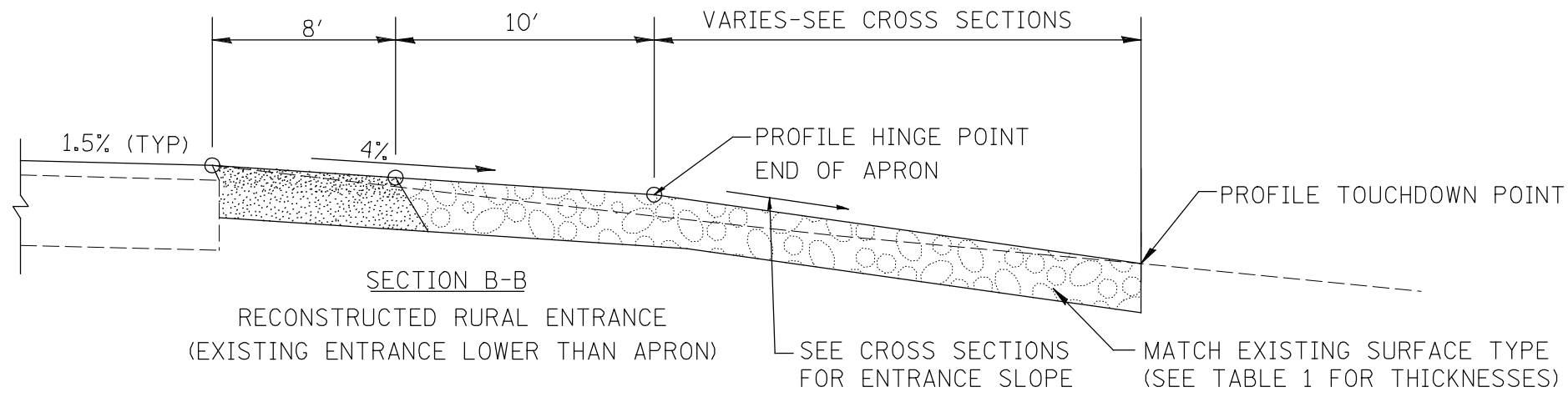
PLAN

COMMERCIAL / FARM-RELATED ENTRANCE

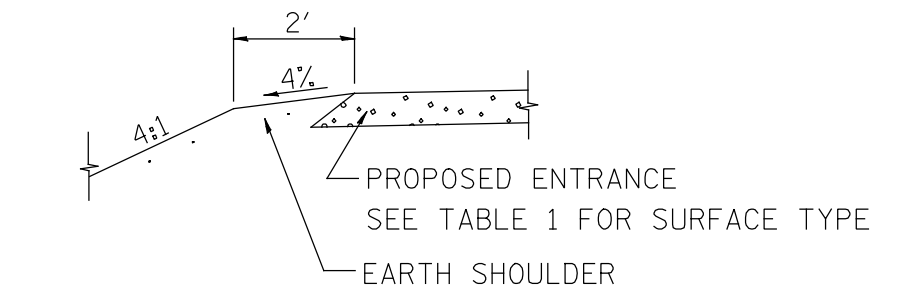
TABLE 1					
RURAL ENTRANCE DESIGN					
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL	
				1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Min.	30' (9.0m)Max.	14'(4.3m) Min., 24'(7.2m) Max., 24'(7.2m) Min., 35'(10.7m) Max.
FLARE	1:1.5				
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 B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE HIGHER THAN APRON)



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



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 dimensions are in inches (millimeters) unless otherwise noted.

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.			

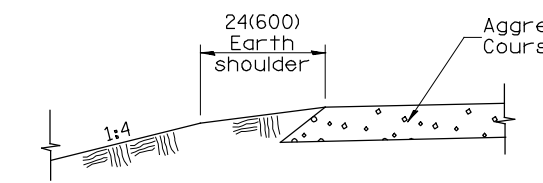
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RURAL ENTRANCES FOR "3R" PROJECTS

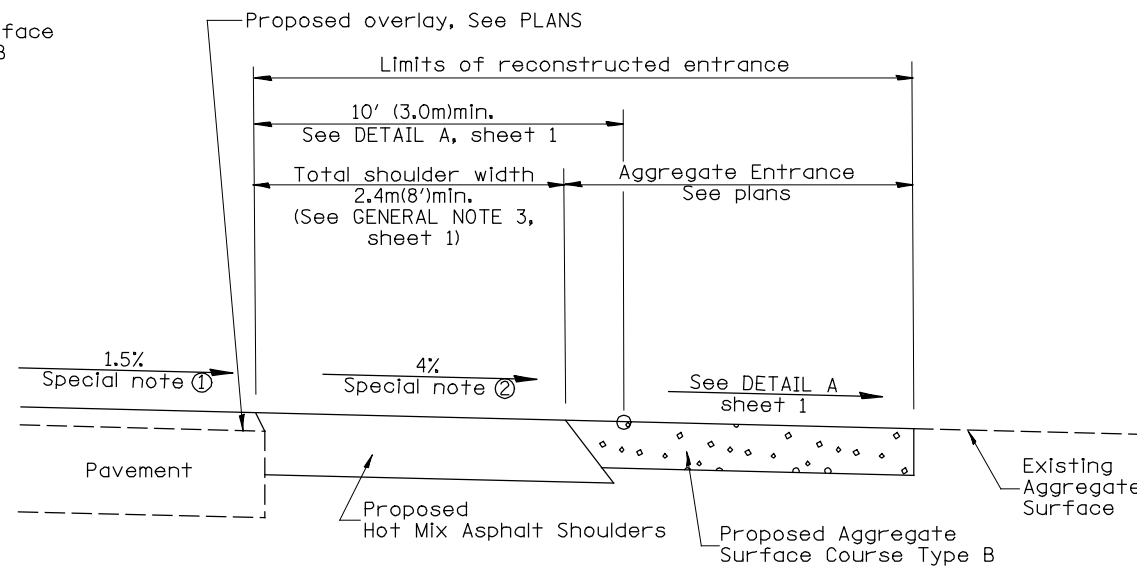
NOT TO SCALE

SHT. 1 OF 2
CADD STD. 406301-D4

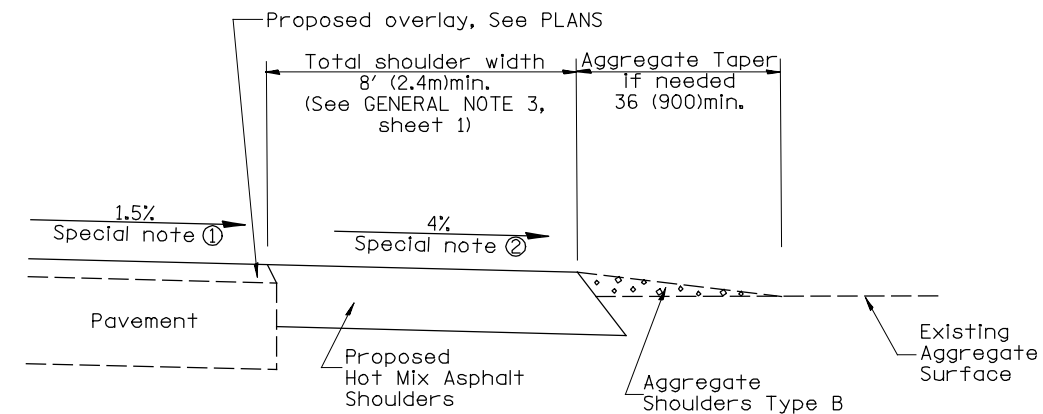
F.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	318
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



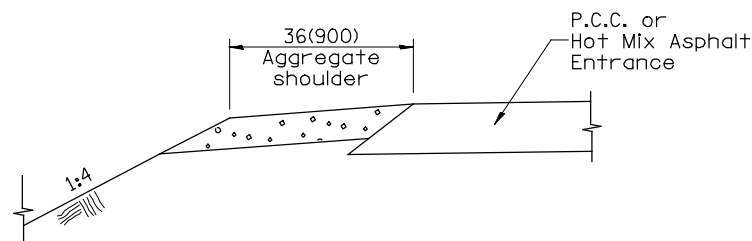
SECTION A-A
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



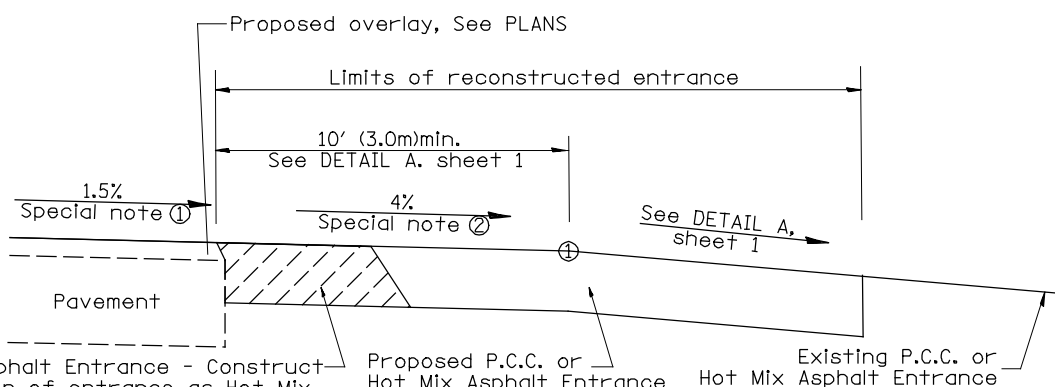
SECTION B-B
RECONSTRUCTED AGGREGATE ENTRANCE



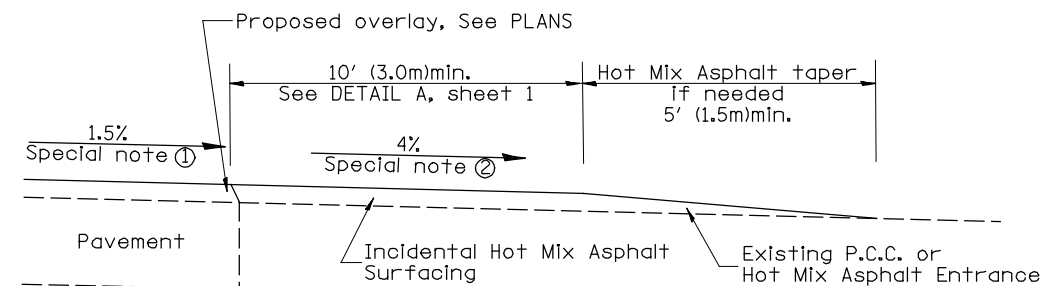
SECTION B-B
EXISTING AGGREGATE ENTRANCE



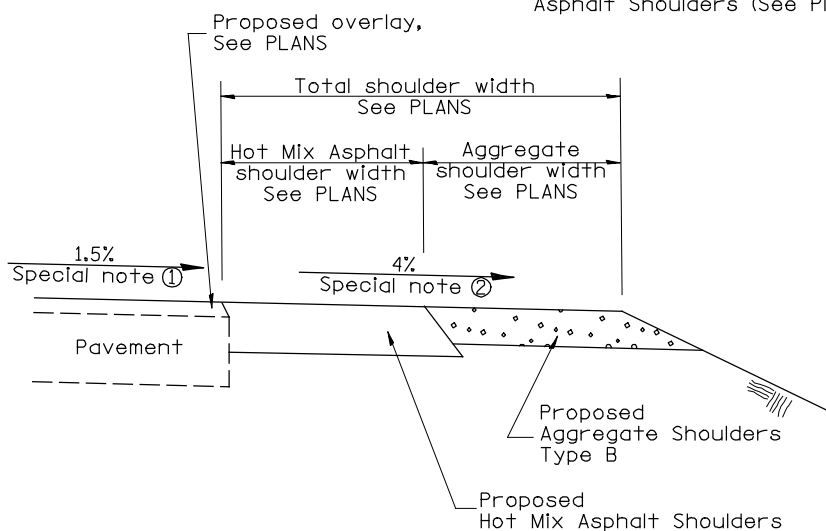
SECTION C-C
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES



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

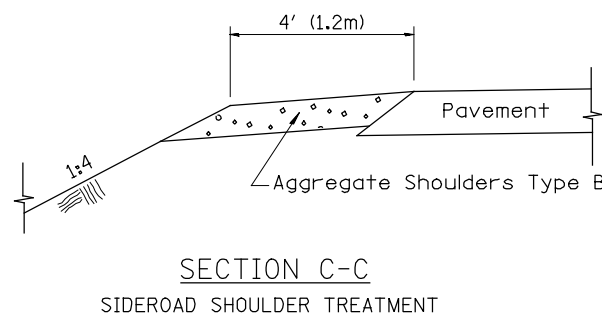
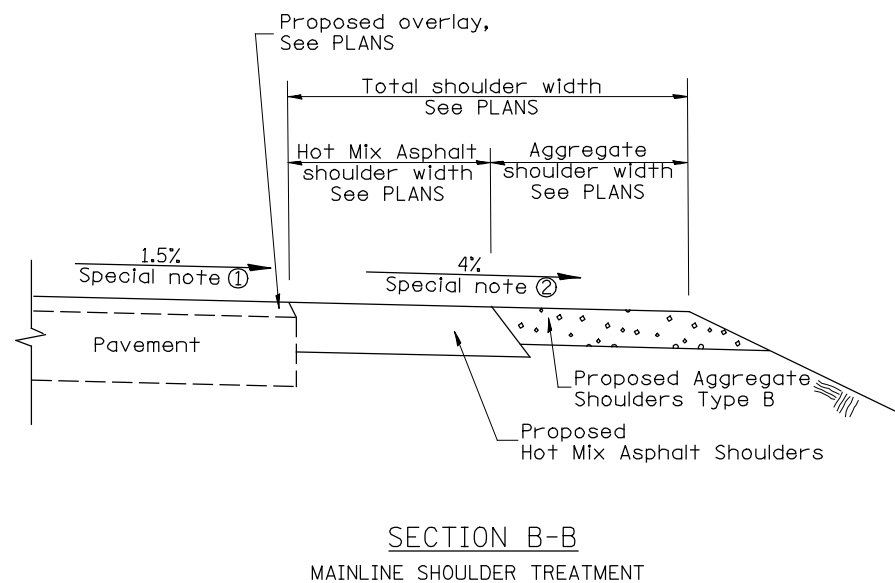
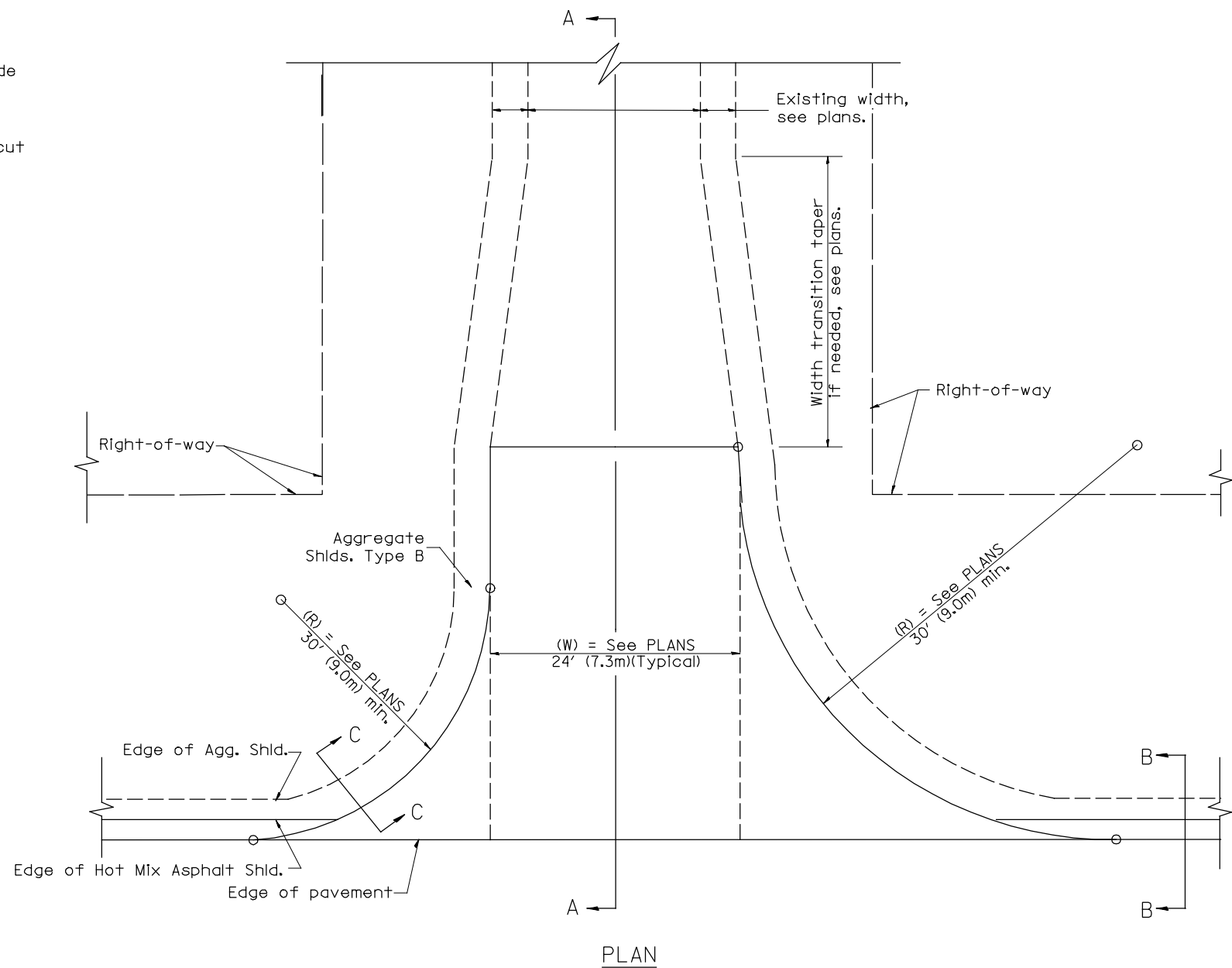
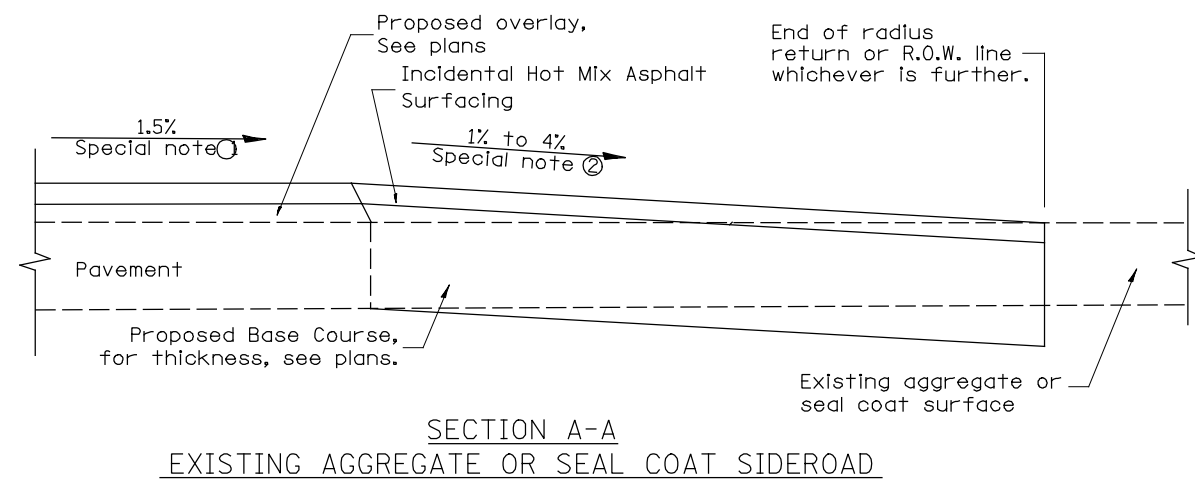
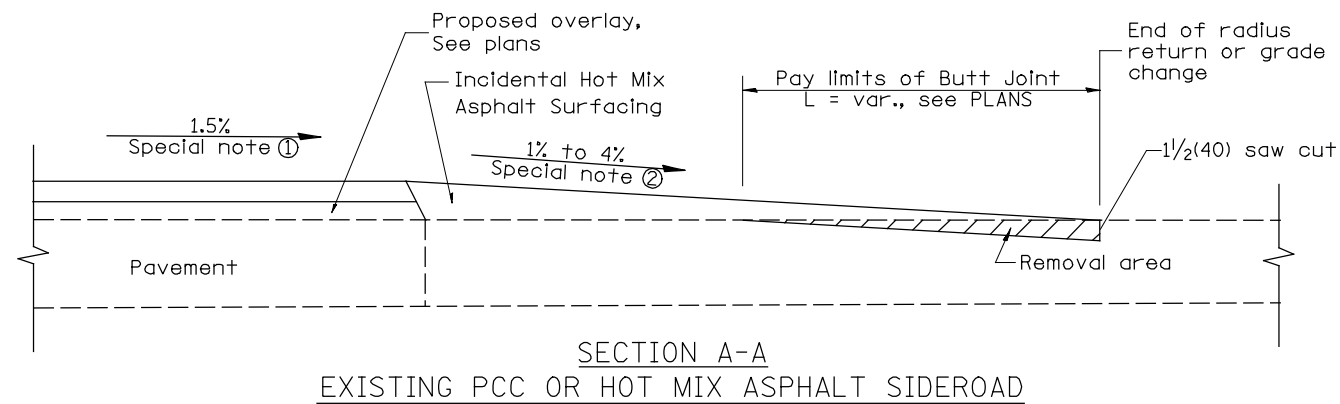
SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated 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 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' (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.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				RURAL ENTRANCES FOR "3R" PROJECTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								407	(55-3)A	McDONOUGH	671	319
NOT TO SCALE				SHT. 2 OF 2 CADD STD. 406301-D4				CONTRACT NO. 68A42				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
1. DESIGNER SHOULD CONSULT CHAPTER 49 OF THE BDE MANUAL.



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 sideroad profile should drain away from the mainline at 1% to 4% for 50' (15.0m) to 100' (30.0m), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline superelevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

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

01-01-97	RENUM. C-105.02, 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.	

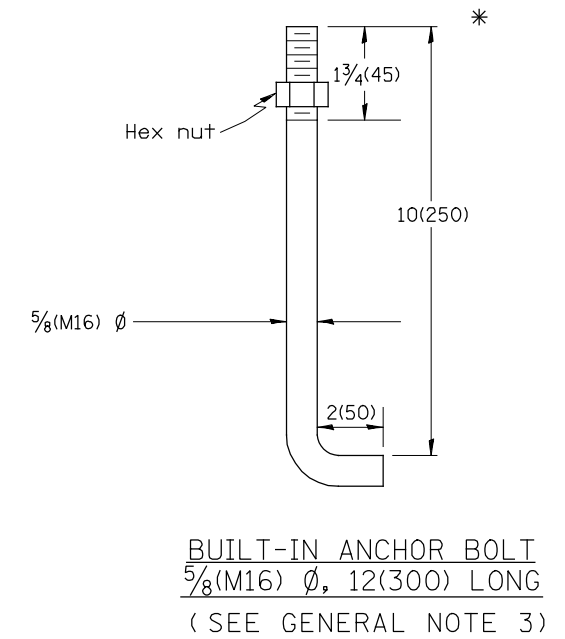
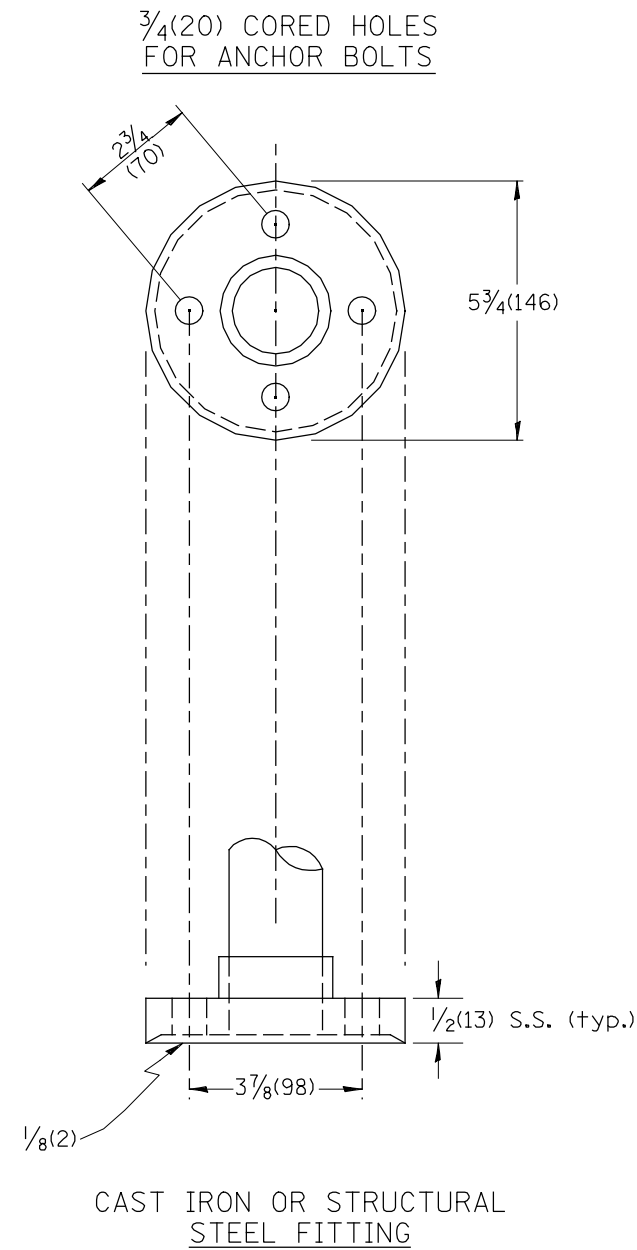
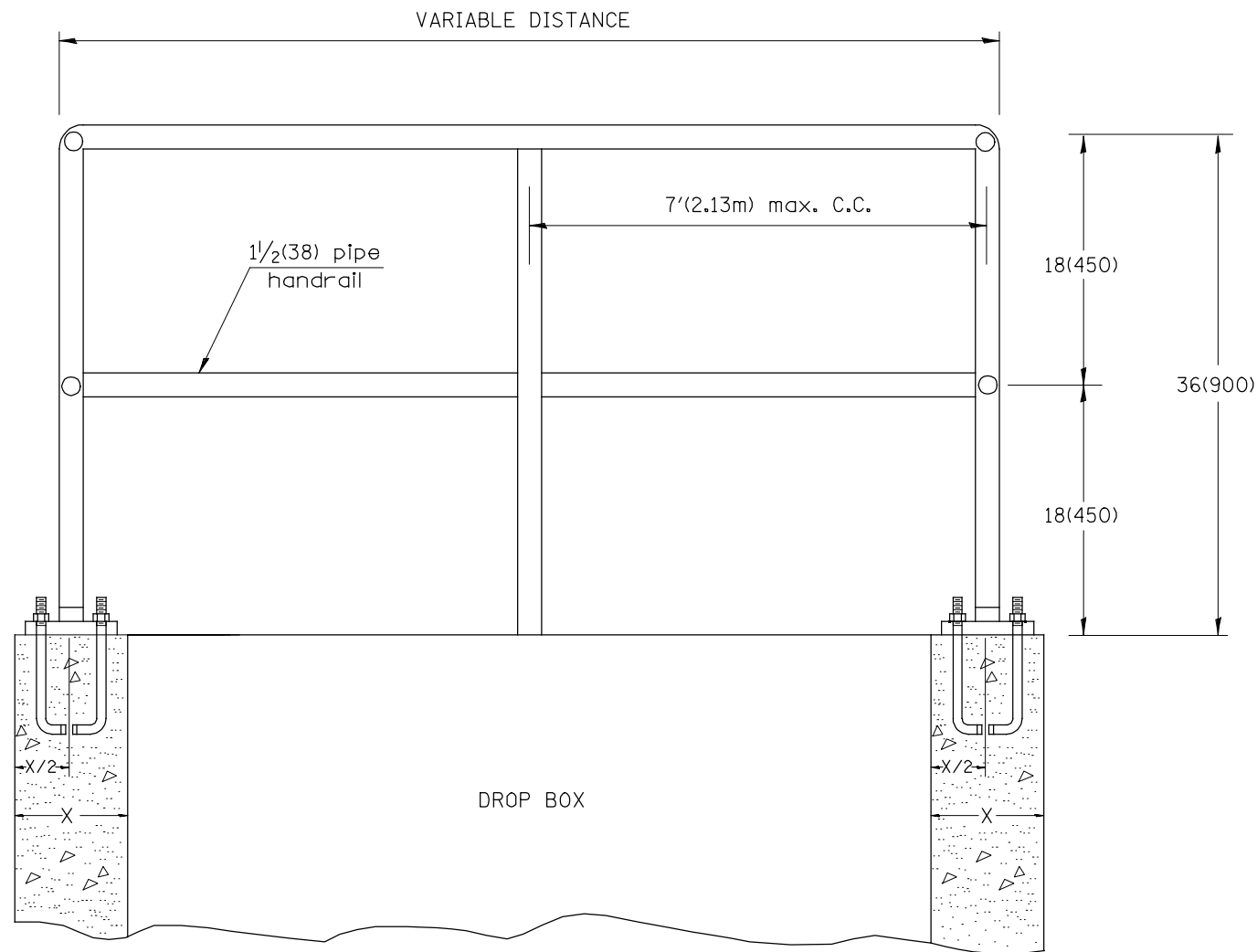
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RURAL SIDEROADS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406401-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	320
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	



GENERAL NOTES:

1. Article 509.04 of the Standard Specifications shall apply.
2. Connection of railing to posts shall be made by continuous welding or with using standard pipe fitting.
3. An equivalent epoxy anchor stud can be used in place of anchor shown. Anchor bolt holes shall be 3/4(20) in diameter and 5(125) deep. They shall be predrilled with an electric hammer drill to a depth of 4(100) prior to use of a pneumatic drill for the remaining 4(100). A two component encapsulated epoxy such as "Parabond" or an equivalent shall be used. Installation shall be according to Manufacturer's recommendations.
4. The pipe handrail shall be galvanized by the hot dip process.

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

01-01-97	RENUM. B-11.01, METRICS, NEW REVISION BOX, REVISED TITLE BOX, REVISED NOTES	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF PIPE HANDRAIL FASTENING

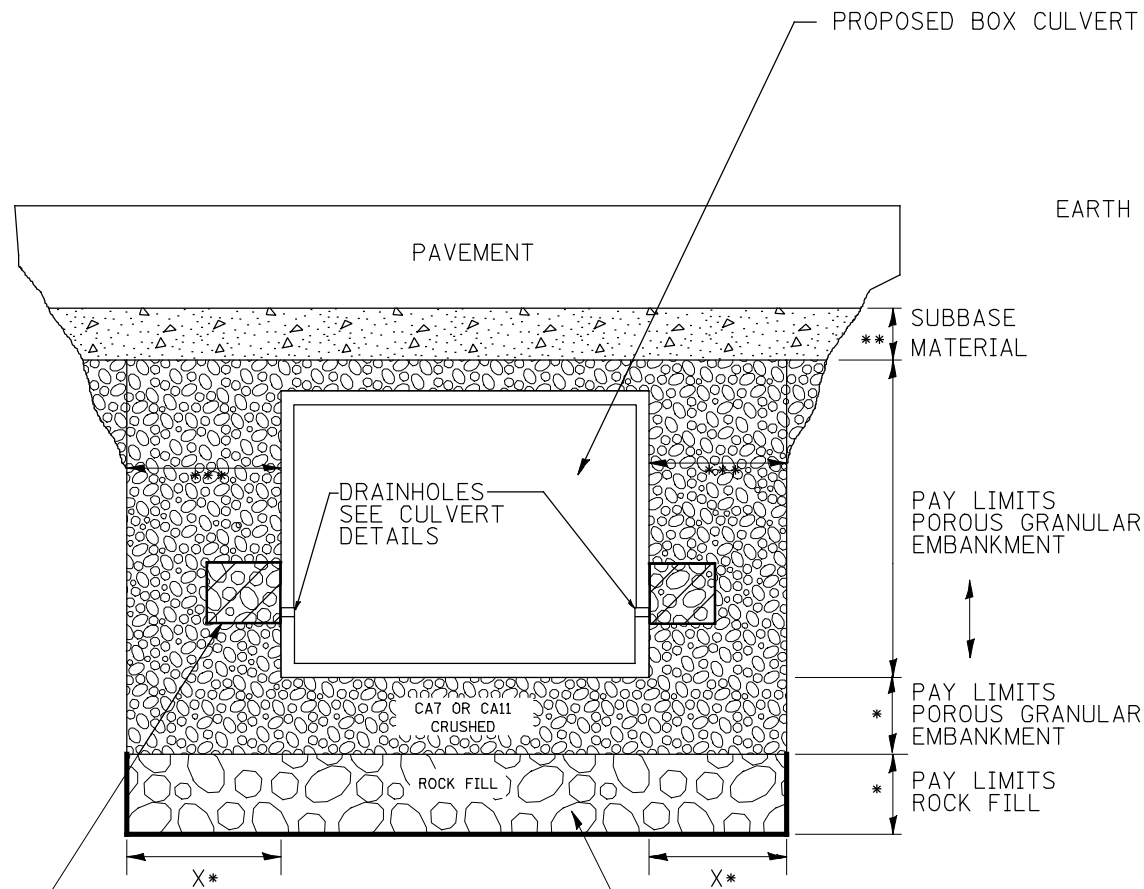
NOT TO SCALE

CADD STD. 510001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	321
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

DESIGNER NOTES: 1. IF DESIGN FILL IS < 2 FEET, CONTINUE PGE UP TO THE SUBBASE. CONTINUE PGE UP TO THE SUBBASE. CONTINUE PGE UP TO THE SUBBASE.
 2. IF DESIGN FILL IS ≥ 2 FEET AND ≤ 8 FEET OR DEPTH OF FILL ≤ SPAN OF LARGEST BOX IN CONFIGURATION, CONTINUE BACKFILLING WITH PGE.

ROADWAY PROFILE VIEW

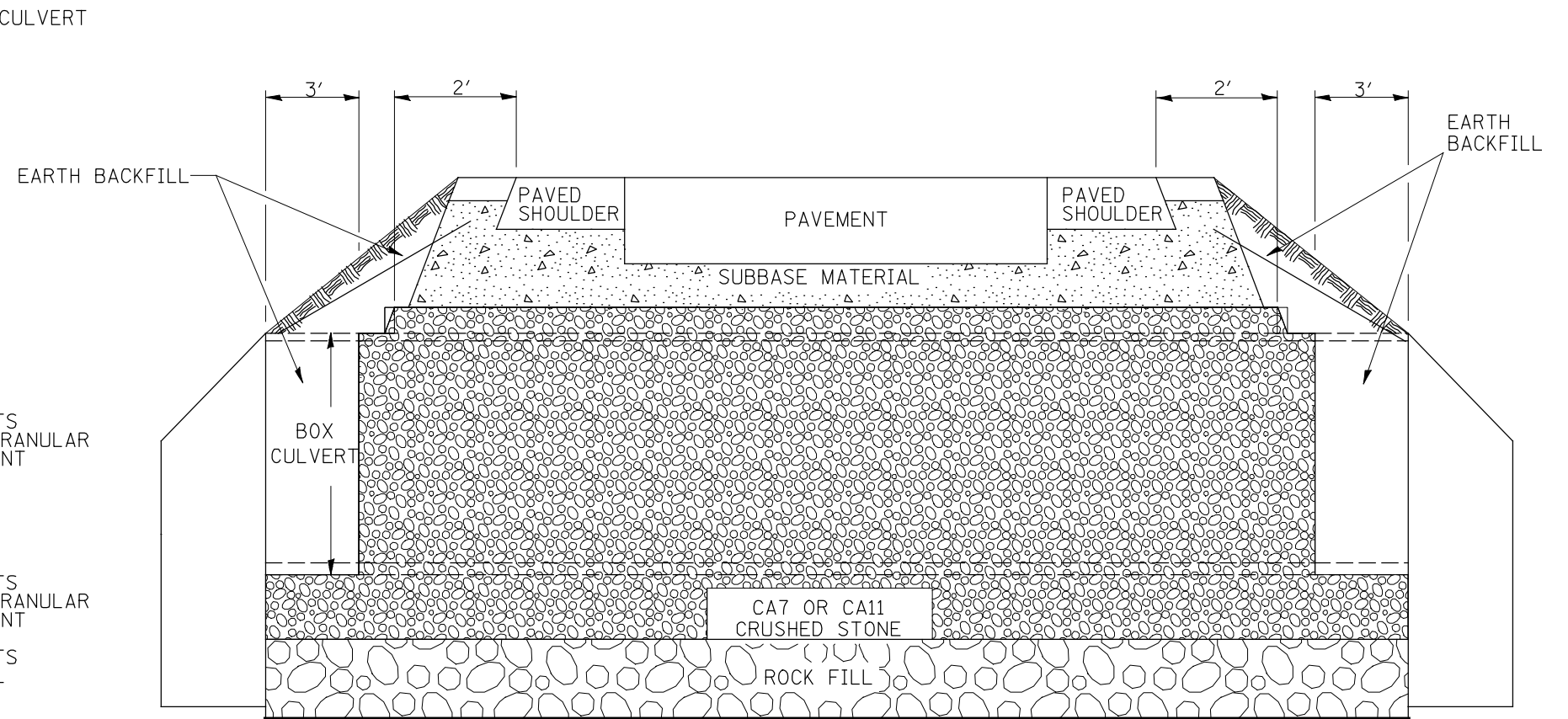


2' x 2' x 2' DEPOSIT OF CA 5, 7, OR 11 IN FABRIC ENVELOPE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS (TYPICAL)

(IF UNDERCUT IS REQUIRED) PROPOSED REMOVAL & DISPOSAL OF UNSUITABLE, AND REPLACE WITH ROCK FILL WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION. PAID FOR BY RESPECTIVE PAY ITEMS.

- * IF APPLICABLE, SEE UNDERCUT DETAIL FOR DEPTHS AND WIDTHS. IF THERE IS NO UNDERCUT, X = 2 FEET AND SEE NOTE 3 THIS SHEET.
- ** SUBBASE SHALL BE 6" MINIMUM LAYER OF CA6 CRUSHED STONE OR OTHER MATERIAL AS SPECIFIED IN THE PLANS.
- *** PAY LIMITS OF POROUS GRANULAR EMBARKMENT SHALL BE 2 FEET UNLESS OTHERWISE SHOWN IN THE PLANS.

ROADWAY CROSS SECTION VIEW



(IF UNDERCUT IS REQUIRED) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

NOTES:

1. EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
2. POROUS GRANULAR EMBARKMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 207 OF THE STANDARD SPECIFICATIONS.
3. IF NO UNDERCUT IS REQUIRED, A 6" MINIMUM LAYER OF POROUS GRANULAR EMBARKMENT SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF BOX CULVERT.

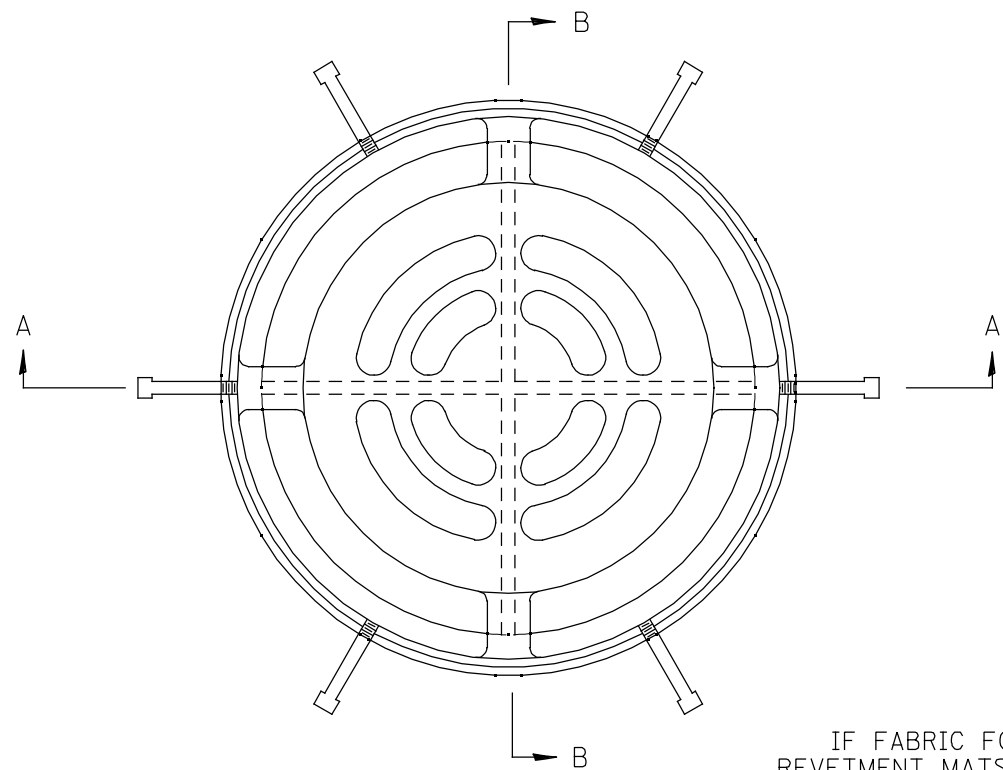
All dimensions are in inches (millimeters) unless otherwise noted.

6-12-12	CREATED NEW STD.	R.D.															
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION											DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERTS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
													407	(55-3)A	MCDONOUGH	671	322
													CONTRACT NO. 68A42				
													ILLINOIS FED. AID PROJECT				

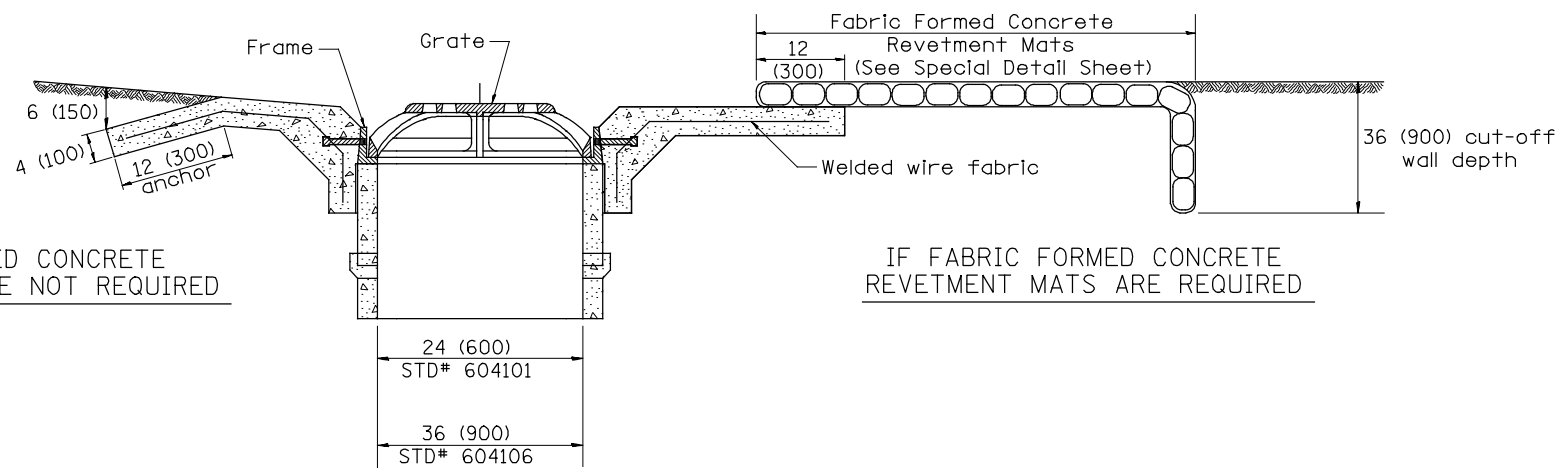
NOT TO SCALE

CADD STD. 540000

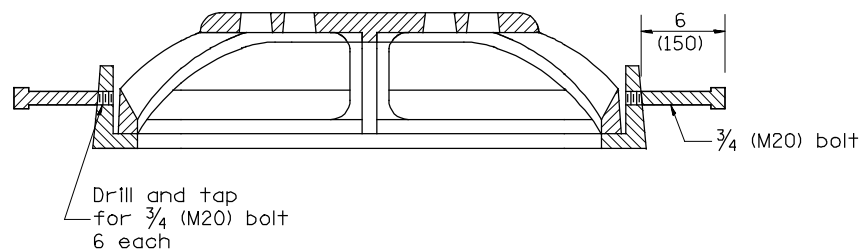
Designer Notes: 1. This is to be used to supplement Standard 604101 and/or 604106.
 2. If fabric formed concrete revetment mats are used, include District CADD drawing.
 3. Include District Special Provision.



PLAN
(STD# 604101 & 604106)



SECTION B-B
(STD# 604101 & 604106)



SECTION A-A
(STD# 604101 & 604106)

GENERAL NOTES

- The applicable portions of Highway Standards 604101 and/or 604106 shall apply, except as noted herein.

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

01-01-97	RENUM. B-4.09, NEW REVISION BOX, REVISED	T.P.		
	DESIGNER NOTES			
10-16-06	REVISED TO 2007 SPEC.	M.A.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

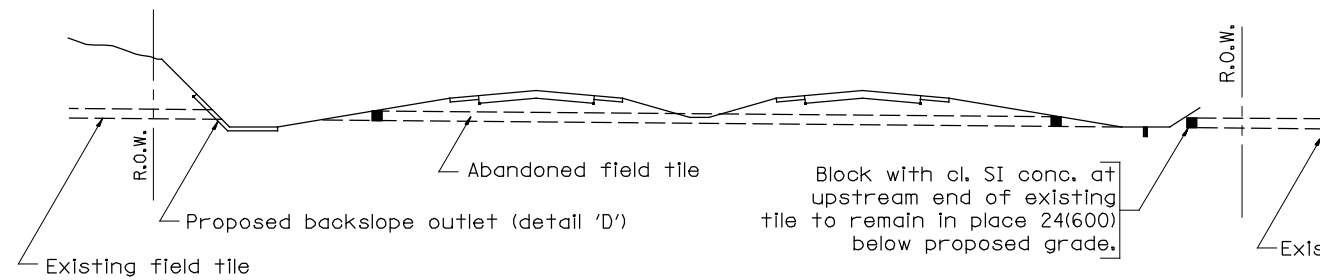
**MEDIA INLET (604101), SPECIAL AND
MEDIA INLET (604106), SPECIAL**

NOT TO SCALE

CADD STD. 604101-D4

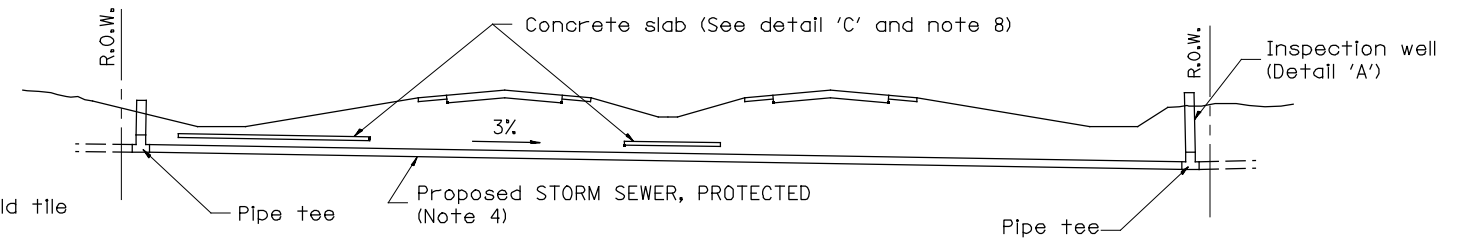
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	323
FED. ROAD DIST. NO.			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

DESIGNER NOTES: USE THIS IN CONJUNCTION WITH SPECIAL PROVISION FOR "STORM SEWER, PROTECTED."



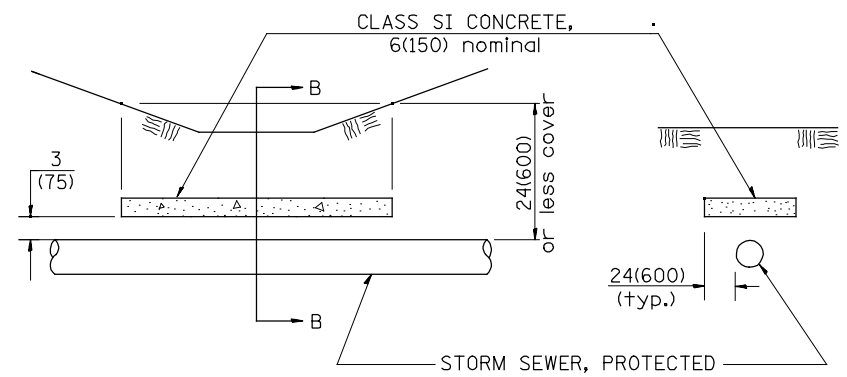
METHOD 'A'

Storm sewer flowline at 6(150) or more above proposed ditch flowline



METHOD 'B'

Storm sewers below proposed ditch flowline



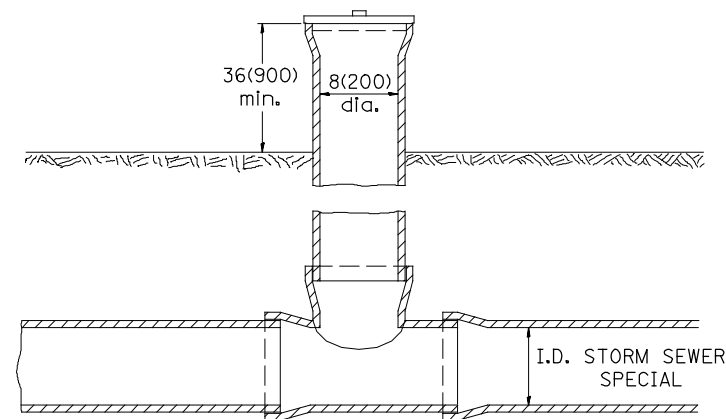
ELEVATION

SECTION B-B

CONCRETE SLAB
Detail "C"

GENERAL NOTES:

- Method 'A' is the preferred method of installation and should be used to minimize non-essential pipe crossing under pavement. The engineer should consider adjusting ditch elevations to accommodate the field tile outletting 6(150) above the ditch flowline.
- Method 'B' shall be used only if ditch elevations cannot be adjusted to accommodate the use of method 'A'.
- Abandoned field tile shall be plugged, as directed by the engineer, cost incidental.
- Non-circular field tile shall be replaced with STORM SEWER, PROTECTED of at least the same cross sectional area. All existing field tile shall be replaced with storm sewer of the type required for the minimum depth of cover.
- STORM SEWER, PROTECTED 8(200) shall be used for the inspection well and riser regardless of existing tile size. PVC pipe shall not be used for inspection wells.
- Inspection wells shall be placed approximately 24(600) inside of both R.O.W. lines at the locations shown on the plans unless arrangements are made by the land acquisition unit to have the wells placed on the property owners side of the R.O.W.
- The inspection well concrete lid shall be constructed of P.C. concrete CLASS SI CONCRETE and provide with a handle shaped from a #4 (#15) reinforcing bar.
- The 6(150) concrete slab shall be poured the full length of the trench at the ditch flowline locations within the right of way with less than 24(600) of earth cover. P.C. CONCRETE CLASS SI shall be used.
- The existing field tile shall be connected to STORM SEWER, PROTECTED by a P.C. CONCRETE CLASS SI COLLAR as directed by the engineer.
- Applicable portion of the Special Provision for STORM SEWER, PROTECTED apply.



INSPECTION WELL
Detail "A"



ALT. A

ALT. B

INSPECTION WELL CONCRETE LID
Detail "B"

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

01-01-97	RENUM. A-18.02, NEW REVISION BOX, REVISED TITLE BOX	T.P.			
06-01-97	REVISED DRAWING & TITLE BOX	J.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

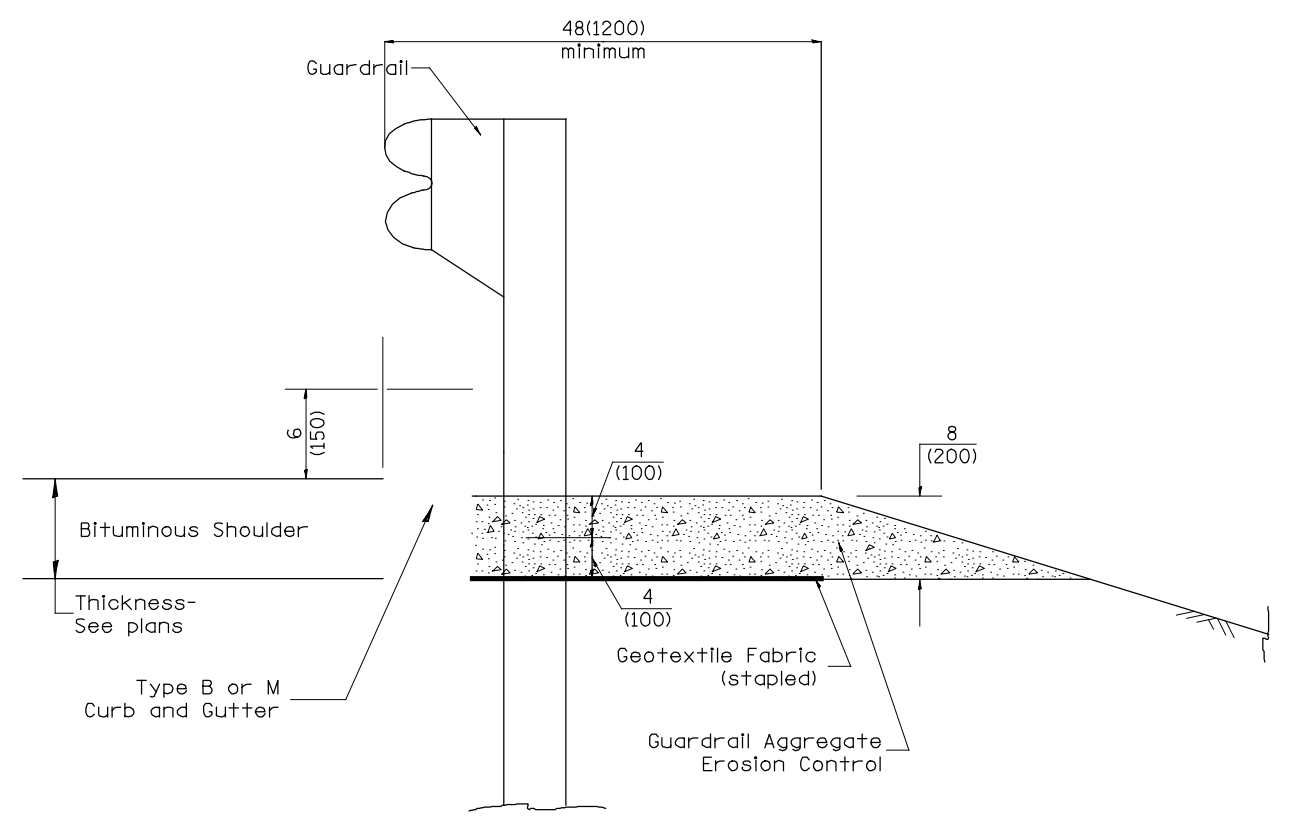
STORM SEWER PROTECTED

NOT TO SCALE

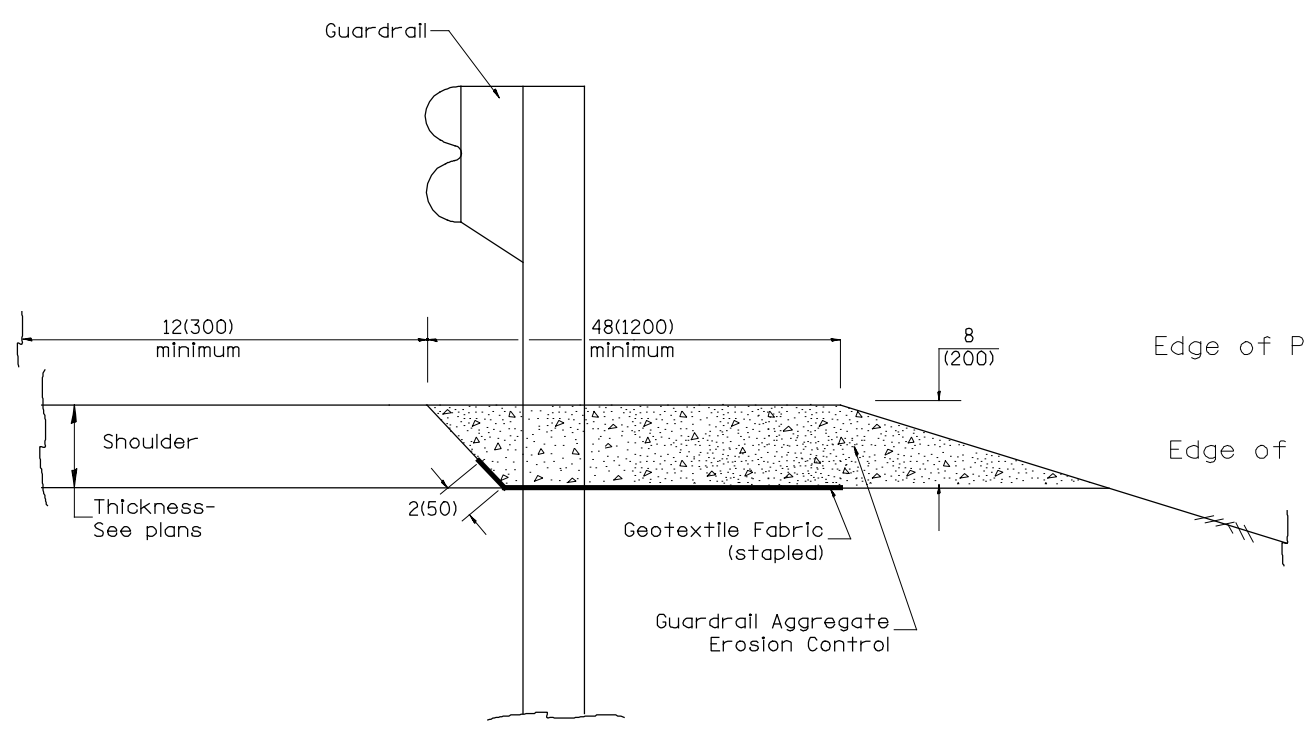
CADD STD. 611001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McODNOUGH	671	324
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

DESIGNER NOTES:
 1. Consider using a "B" curb pay item 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.



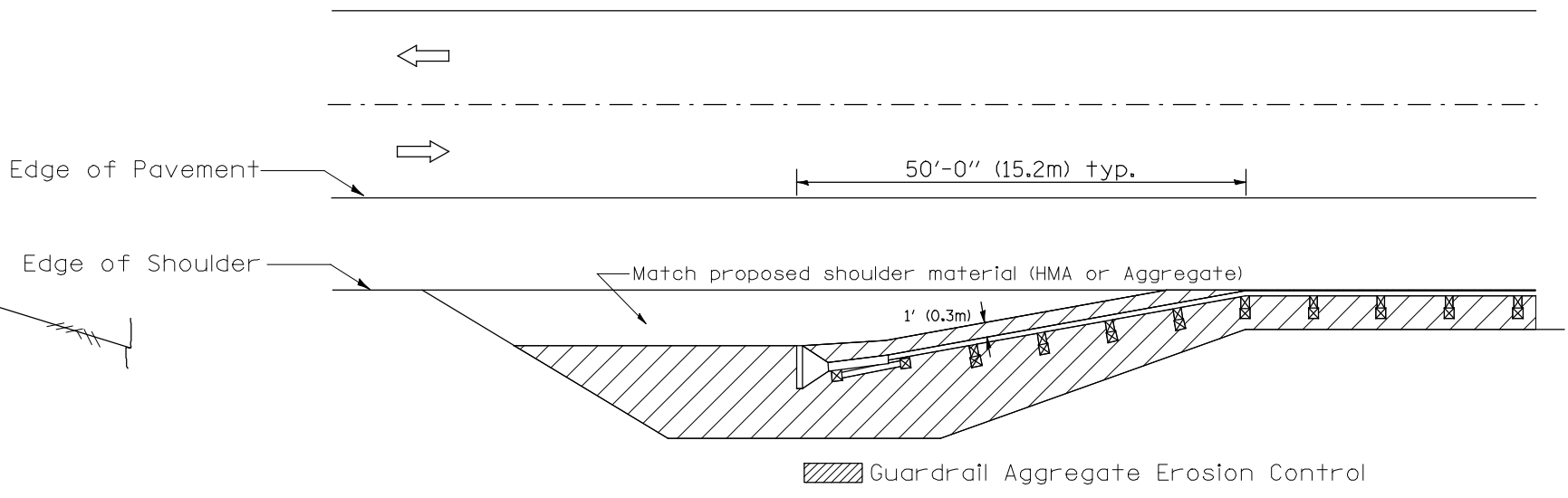
TYPICAL SECTION WITH EROSION CONTROL CURB



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.			

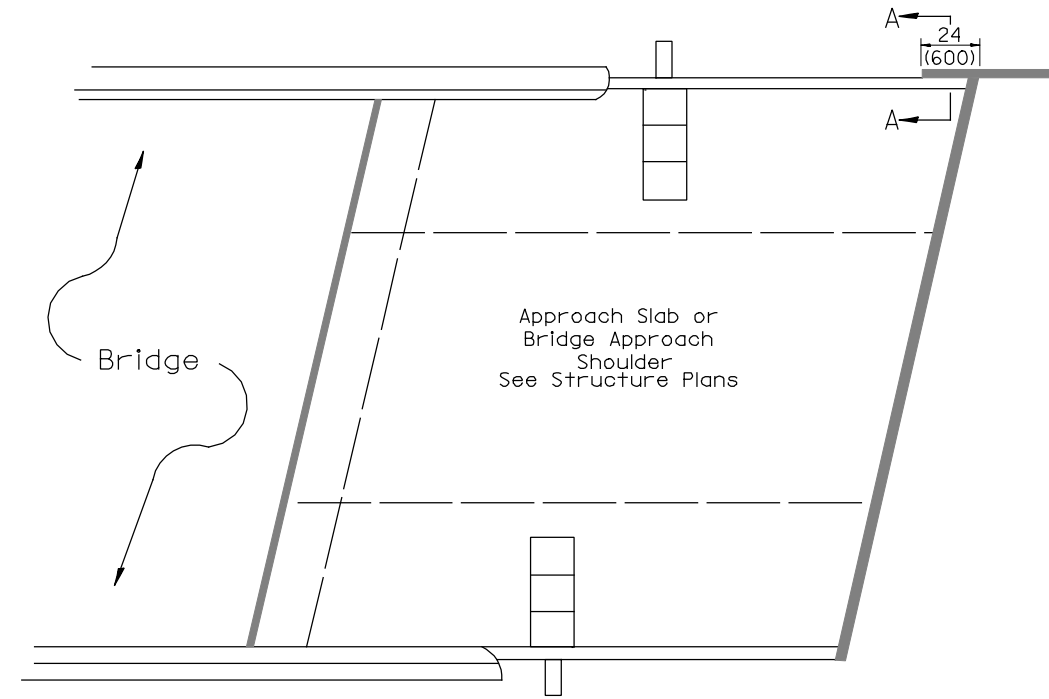
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

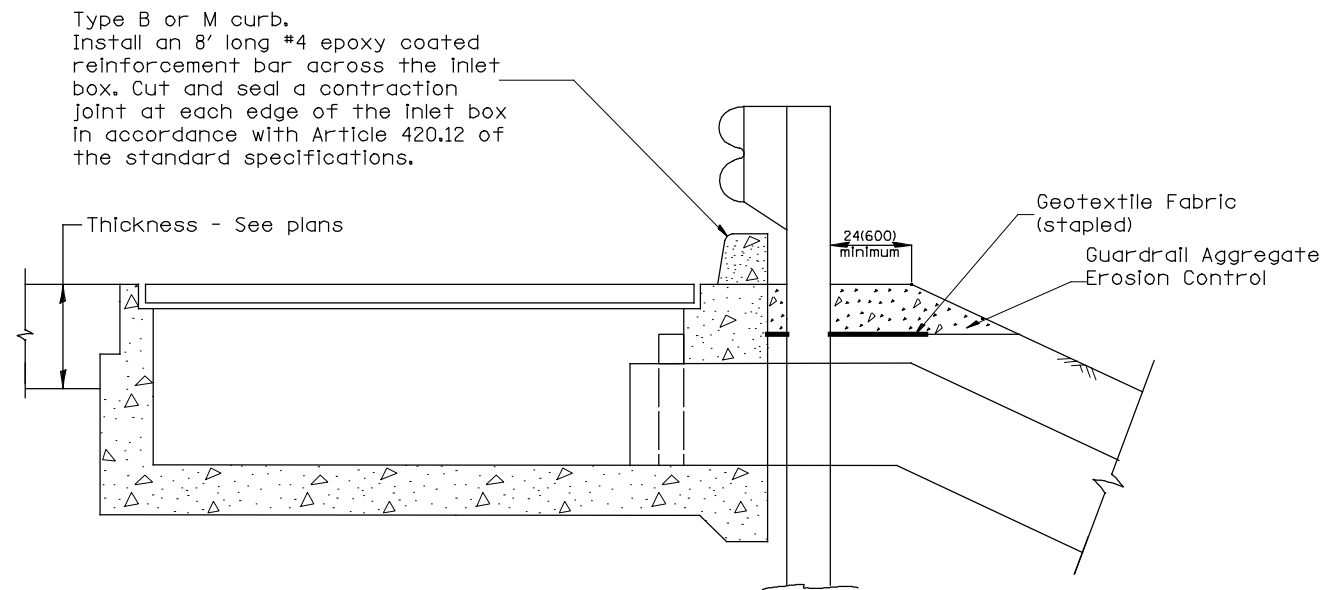
SHT. 1 OF 2
 CADD STD. 630101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	325
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

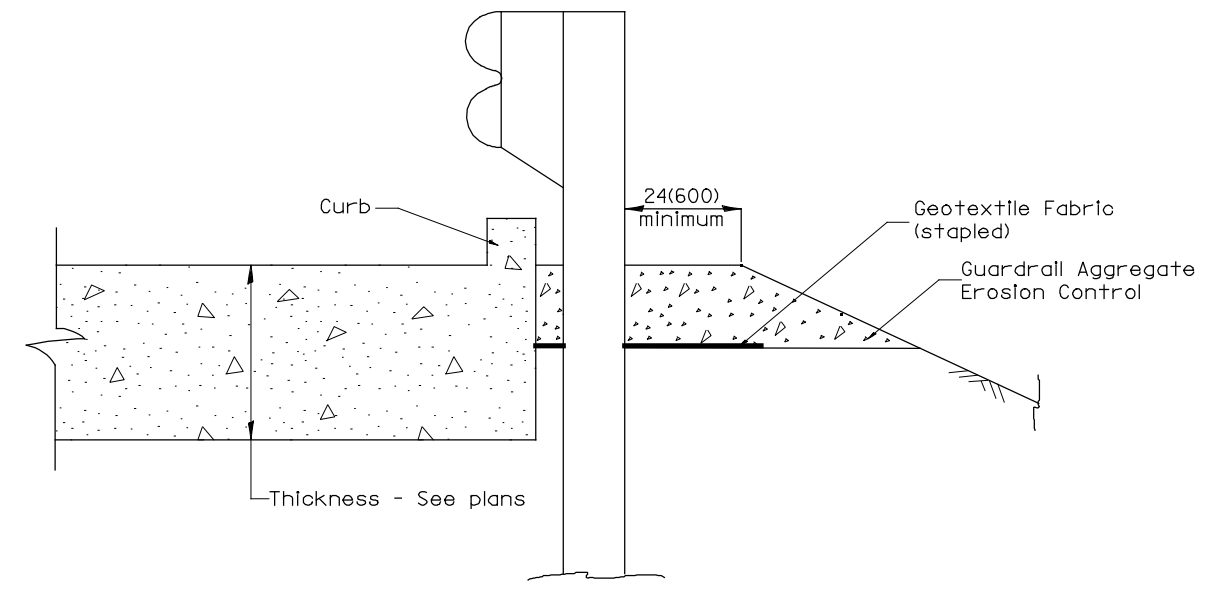


PLAN VIEW

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.

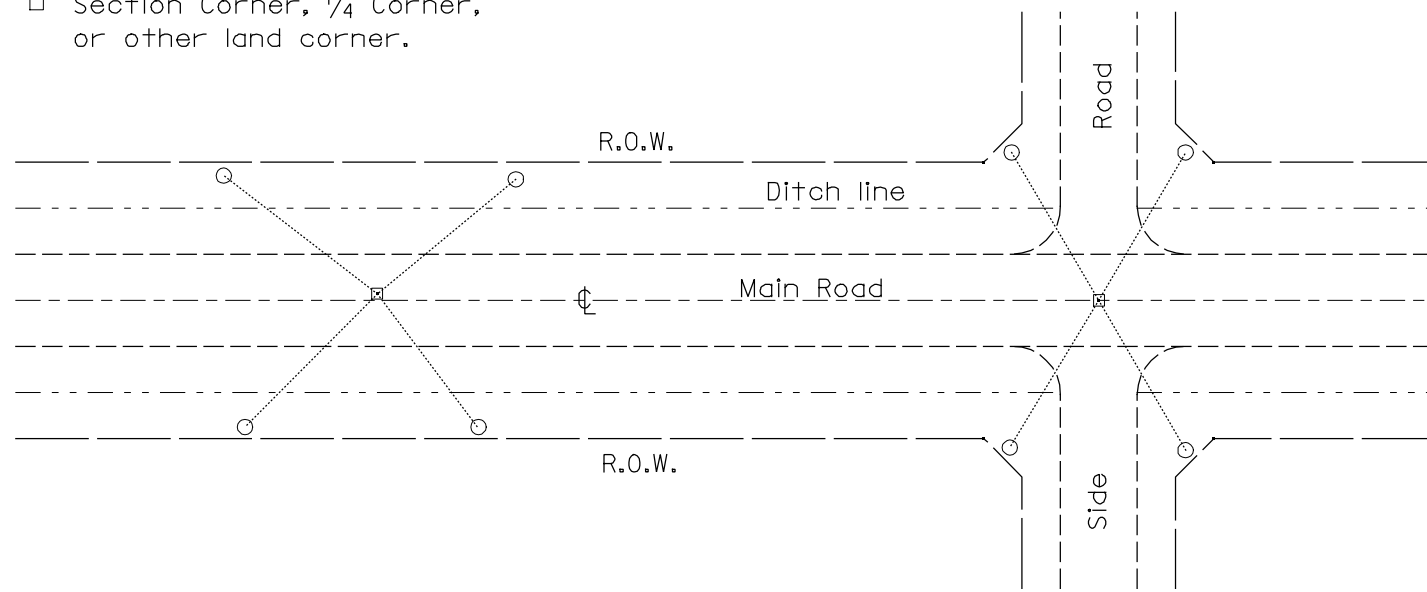
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				GUARDRAIL EROSION CONTROL TREATMENTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								407	(55-3)A	MCDONOUGH	671	326
								SHT. 2 OF 2 CADD STD. 630101-D4				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 68A42				

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 630101-D4

PERMANENT SURVEY TIES

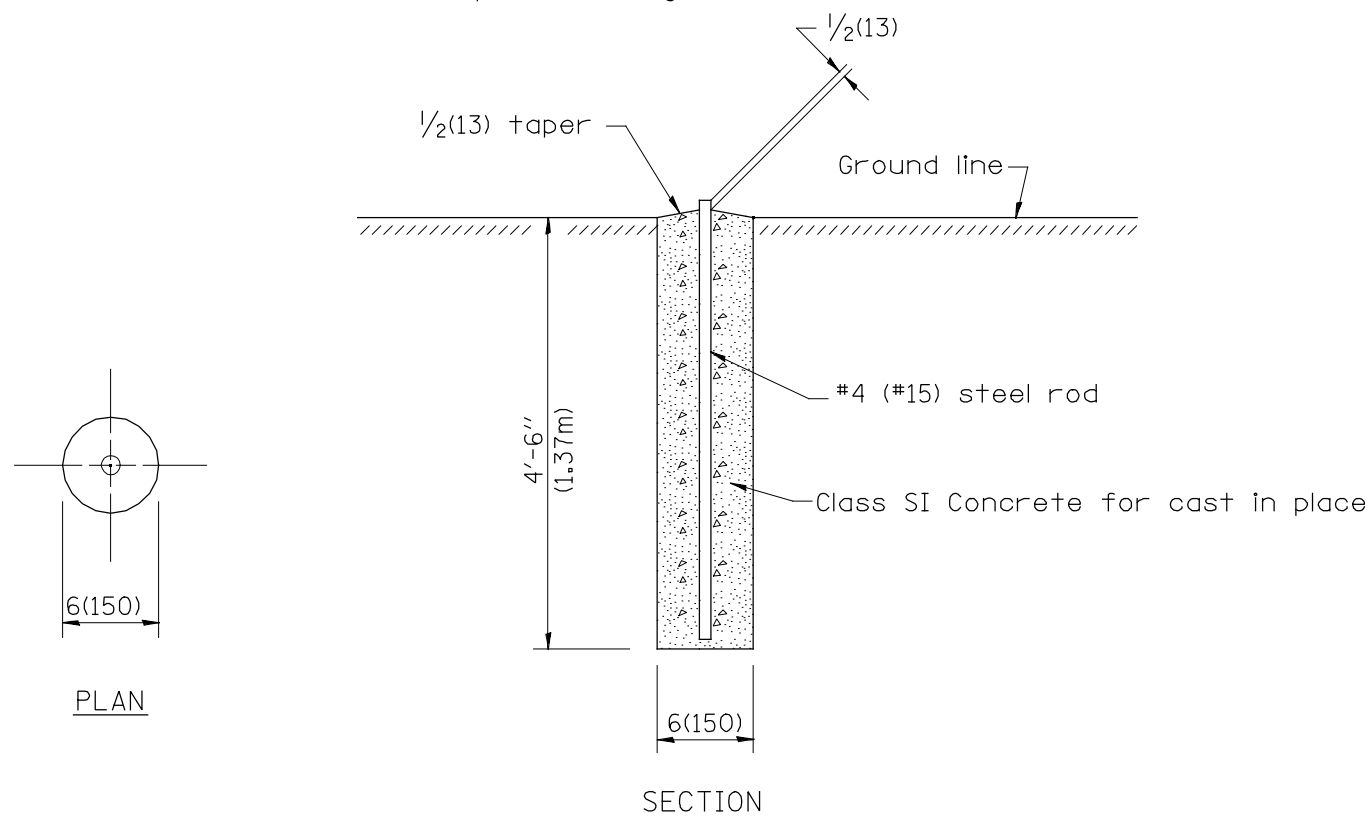
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



TYPICAL APPLICATION

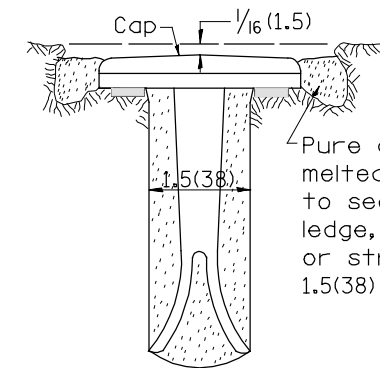
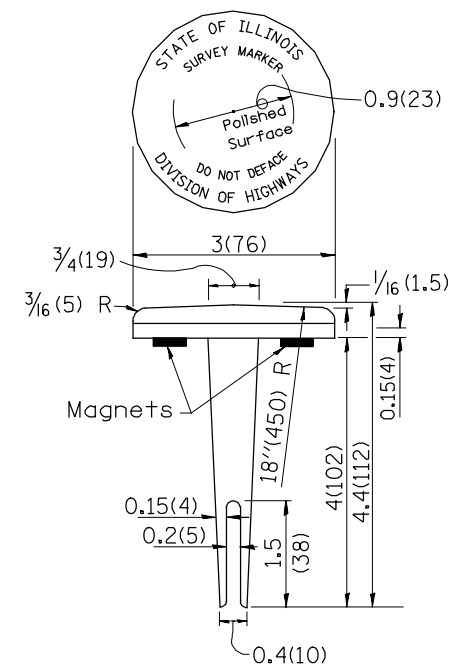
GENERAL NOTES

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



SECTION

PERMANENT SURVEY MARKERS



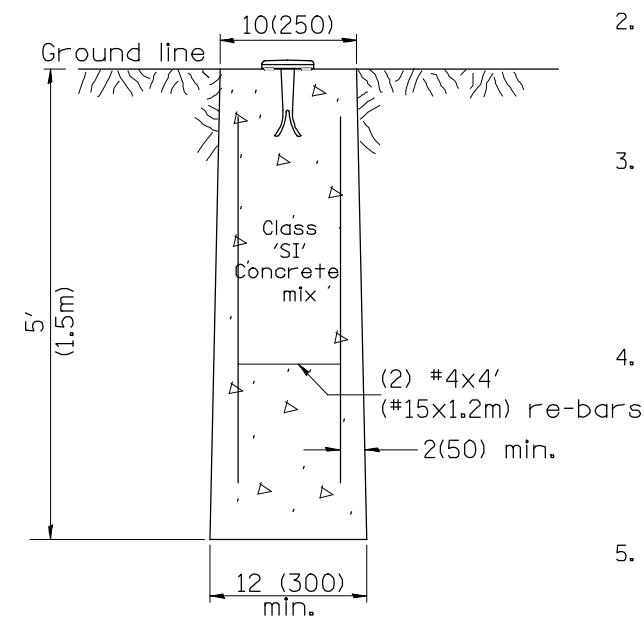
Pure cement and water or melted sulfur. User to seal tablet in rock ledge, concrete pavement or structure, set in hole 1.5(38) in diameter.

INSTALLED

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**

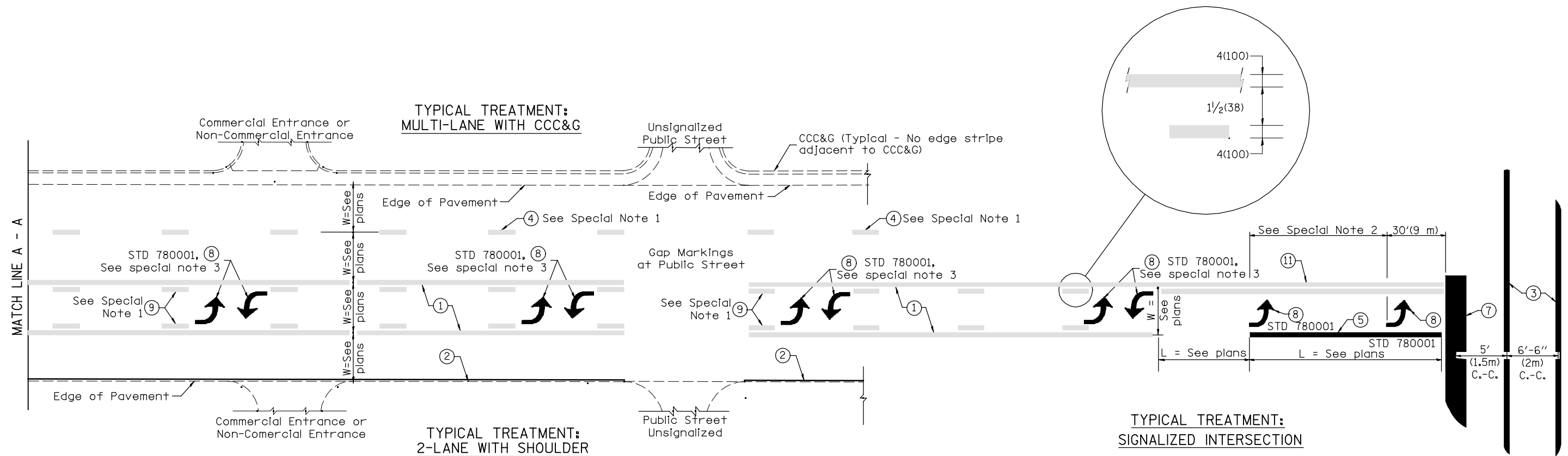
**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

NOT TO SCALE

CADD STD. 667101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	327
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.		
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.		

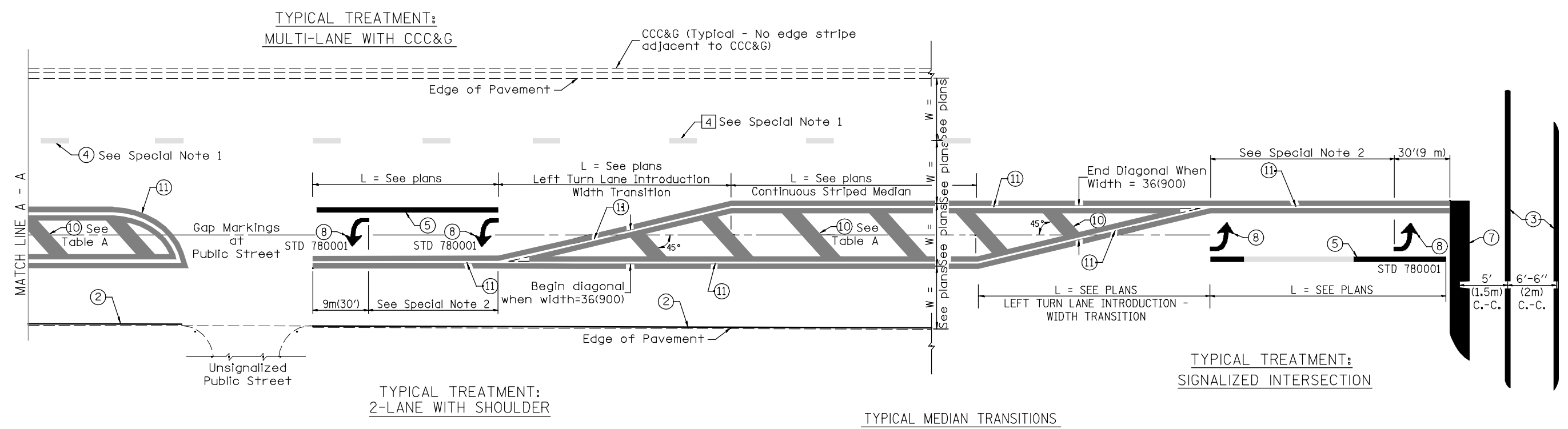
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 1 OF 2
CADD STD. 780001-D4

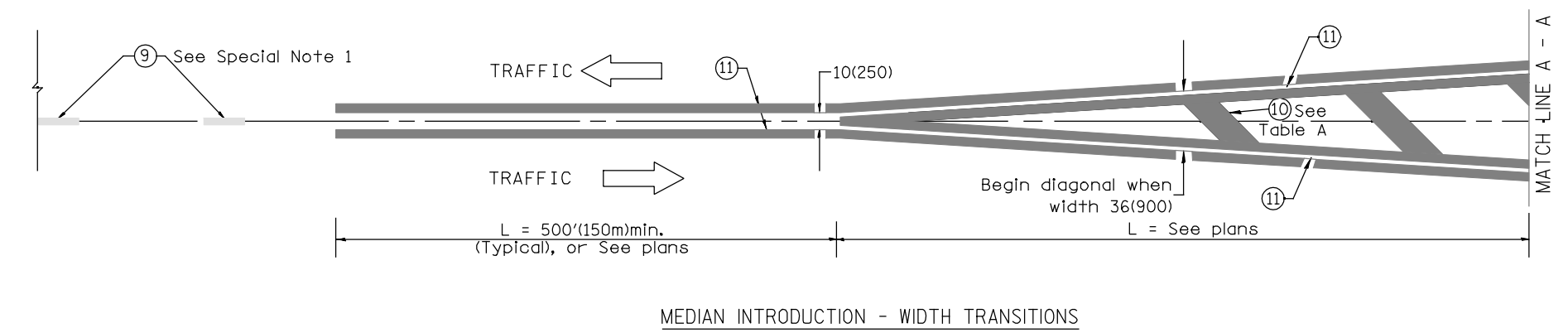
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	328
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	330
		ILLINOIS	CONTRACT NO. 68A42	

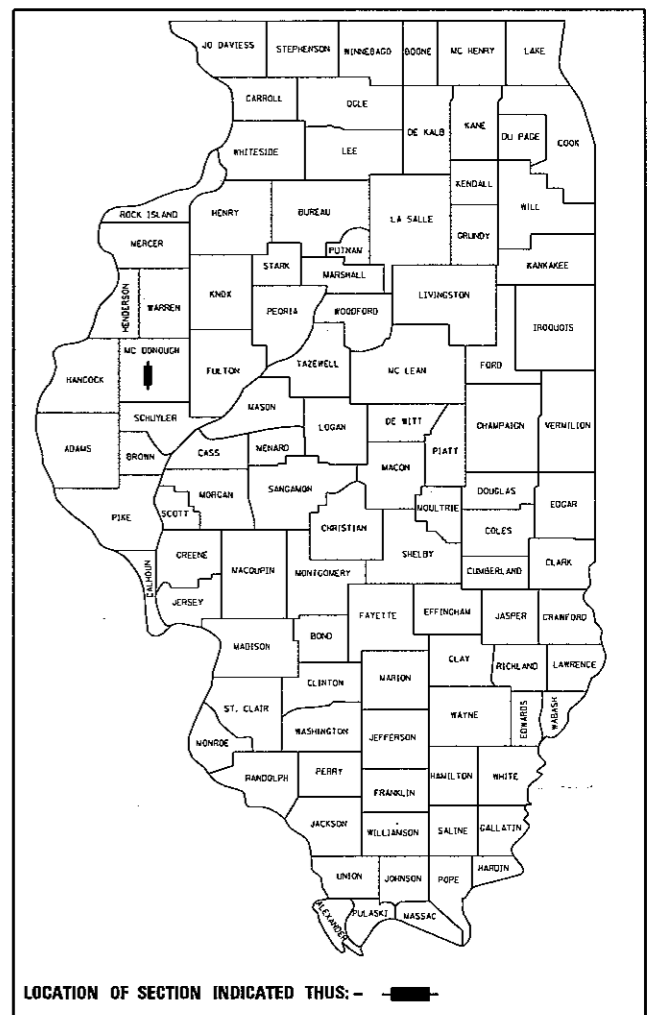
D-94-036-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 407 (IL 336 /IL 110)
SECTION (55-3)A
PROJECT
NEW CONSTRUCTION FOR GRADING 4 LANE FREEWAY
McDONOUGH COUNTY

C-94-060-11



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

_____ 20 _____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

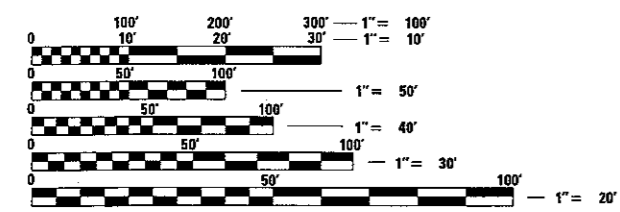
**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

LIST OF STANDARDS

000001-06	630001-10
202001-01	630301-05
280001-06	631032-07
285001-02	635006-03
406001-05	635011-02
406101-04	664001-02
442201-03	665001-02
542206-02	666001-01
542301-03	701001-02
542401-01	701006-03
542511-02	701011-02
542531-04	701201-04
542546-01	701306-02
602301-03	701311-03
602401-03	701326-04
602406-05	701456-02
602416-03	701901-02
602601-02	720006-03
602701-02	728001-01
604001-03	BLR 21-9
604101-01	BLR 22-7
604106-01	BLR 24-2

DESIGN DESIGNATION

3715 (ADT)(2035) RURAL ARTERIAL (FD-20)

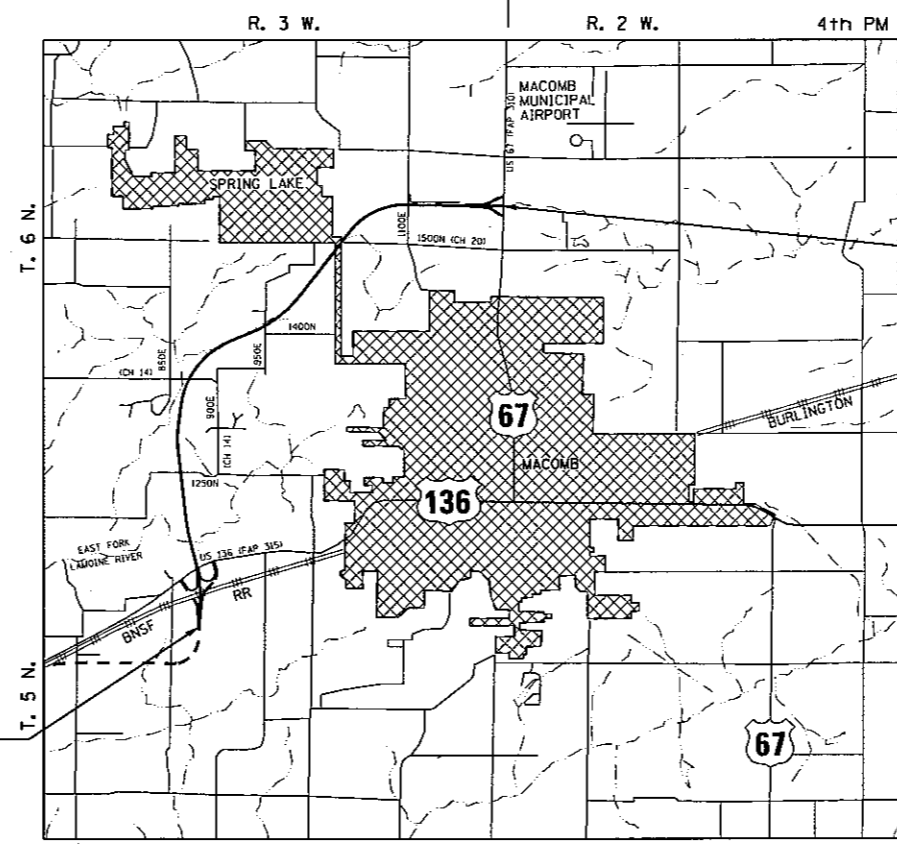


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

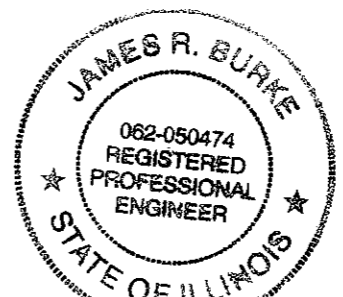
PROJECT ENGINEER: MIKE LEWIS PHONE: (309) 671-3454
PROJECT MANAGER: ELIAS ELDERZI PHONE: (309) 671-3459

CONTRACT NO. 68A42
CATALOG NO.

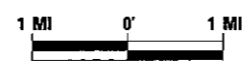


SECTION (55-3)A
BEGINS
STA. 541+57.14

SECTION (55-3)A
ENDS
STA. 895+00.00



James R. Burke 12/12/12
Exp 11/30/13



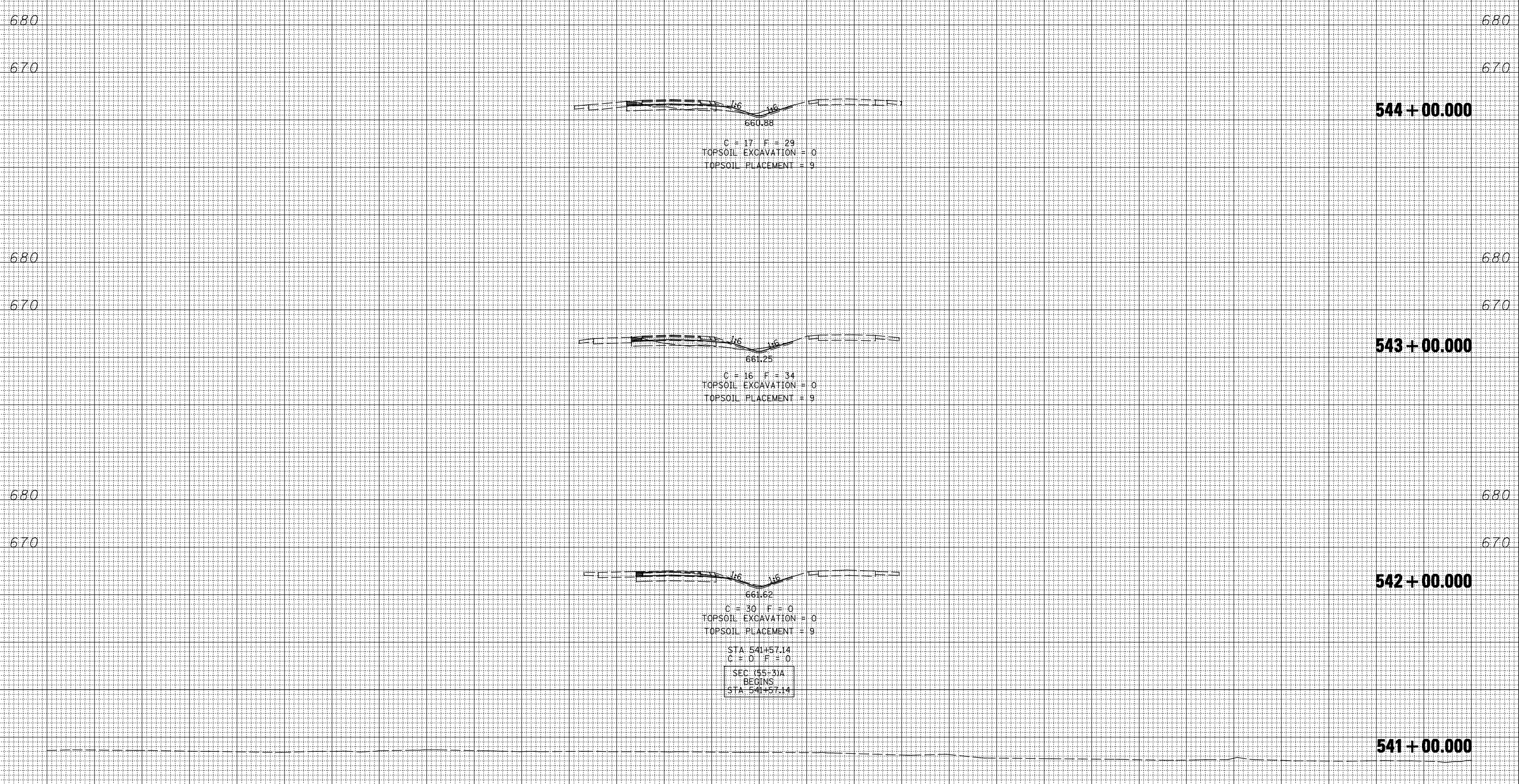
GROSS LENGTH = 35,342.86 FT. = 6.694 MILES
NET LENGTH = 35,342.86 FT. = 6.694 MILES

VOLUME 2 OF 2

Hutchison Engineering, Inc.
SINCE 1945
1801 West Lafayette
PO Box 820
Jacksonville, Illinois 62651
PHONE : (217)245-7164 FAX (217)243-0468

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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



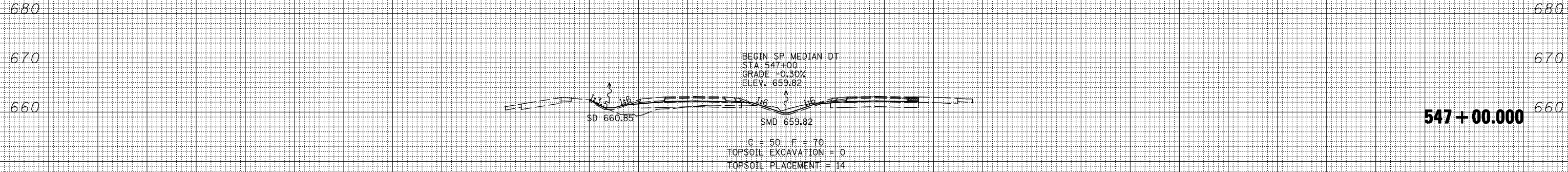
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ORIGINAL SURVEY NO.	NOTE BOOK NO.	AREAS CHECKED			

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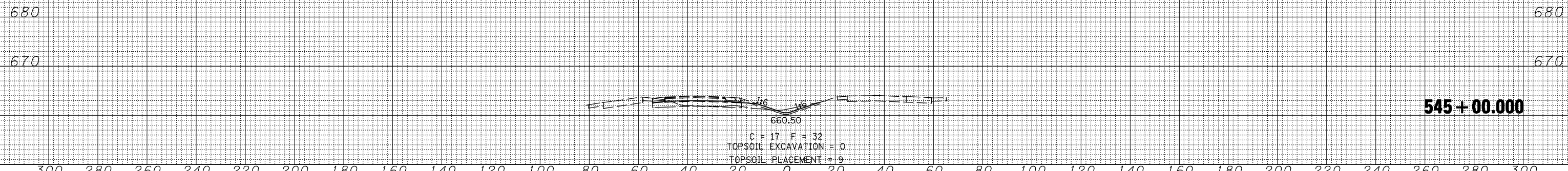
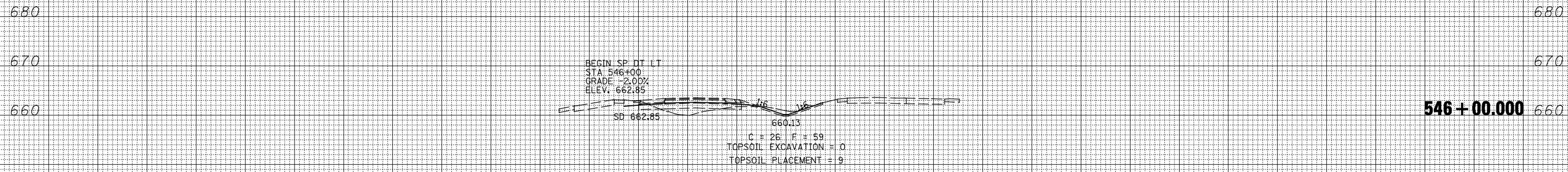
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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: 1"=20' H 1"=10' V	SHEET NO. 1 OF 176 SHEETS	STA. 541+00.000 TO STA. 544+00.000				

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		CHECKED - AWM	REVISED -
		DATE - 12-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS

SCALE: $\frac{1"}{40'} = \frac{20'}{160'}$ H
 $\frac{1"}{10'}$ V

SHEET NO. 2 OF 176 SHEETS

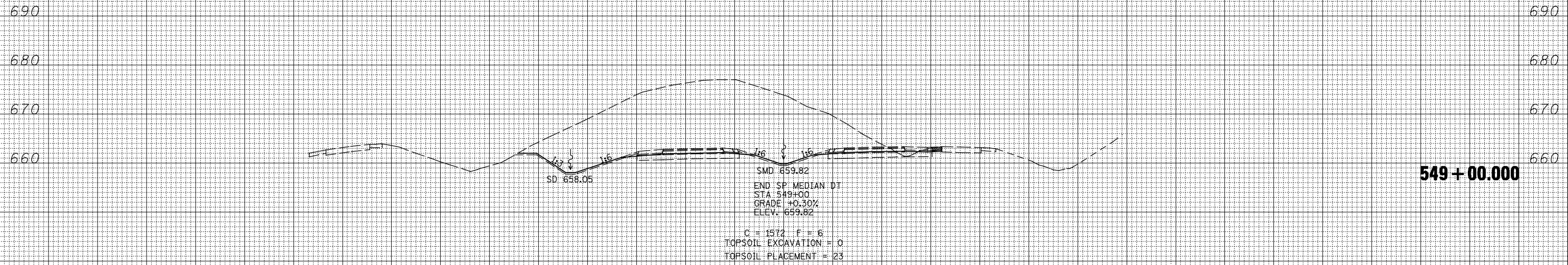
STA. 545+00.000 TO STA. 547+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	332
			CONTRACT NO.	68A42

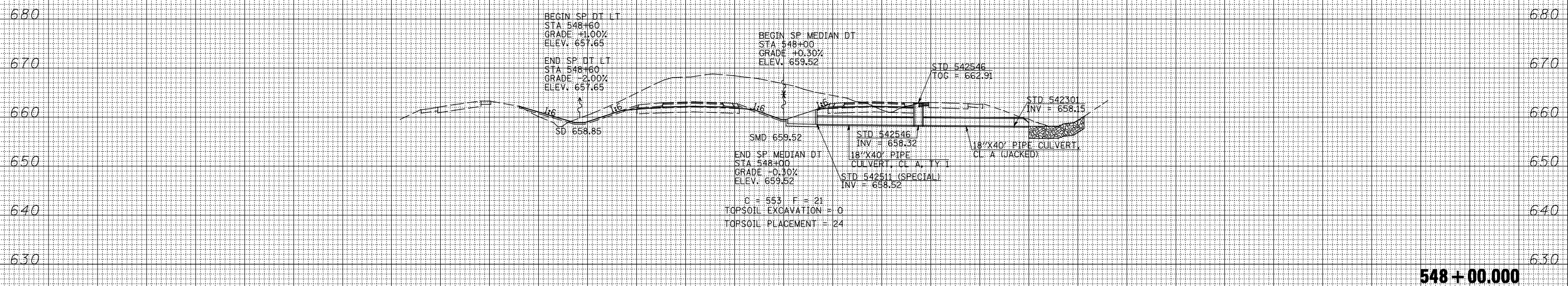
ILLINOIS FED. AID PROJECT

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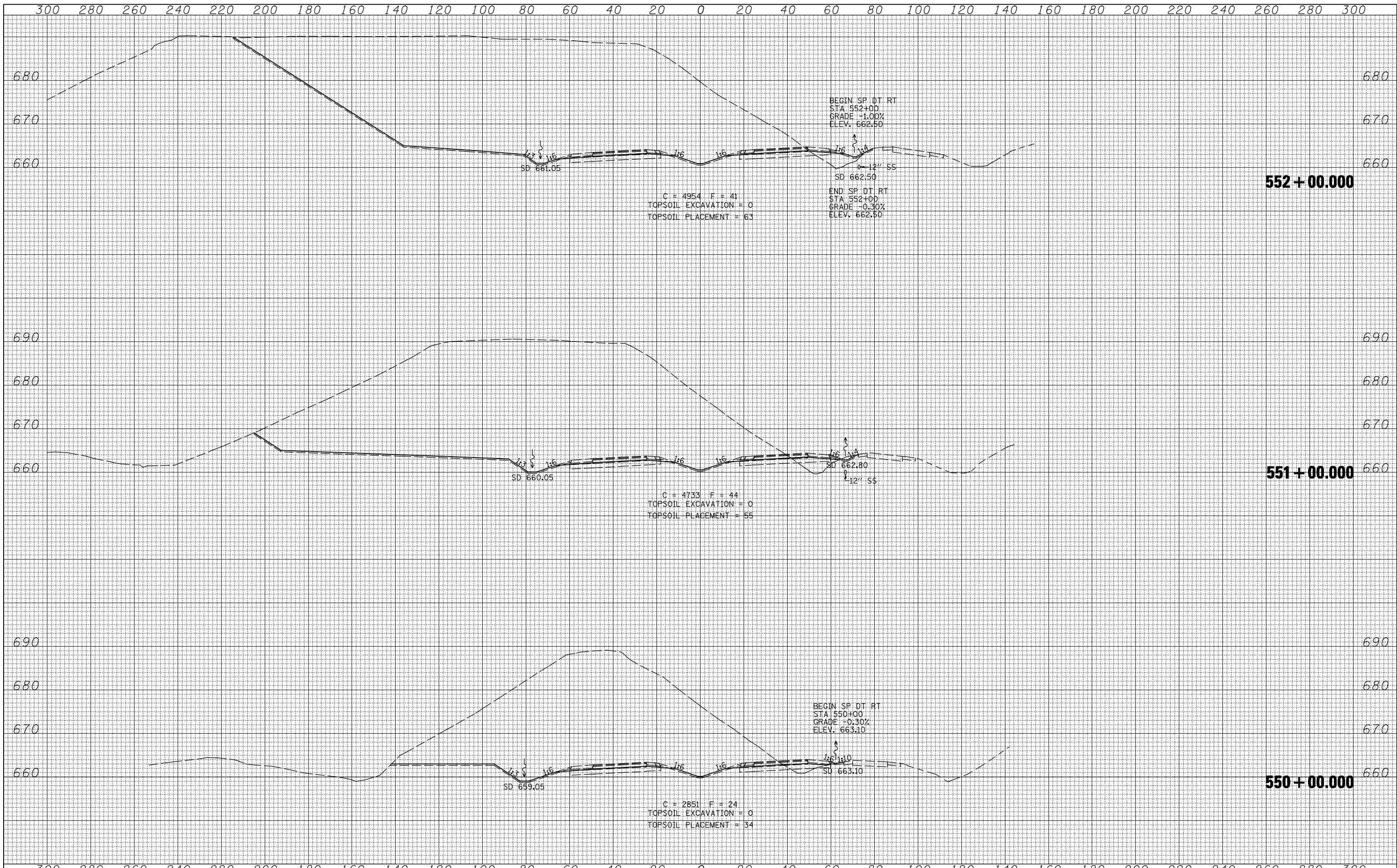


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BY	
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PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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SCALE: 1/4"=20' H 1/8"=10' V					SHEET NO. 3 OF 176 SHEETS		STA. 548+00.000 TO STA. 549+00.000			

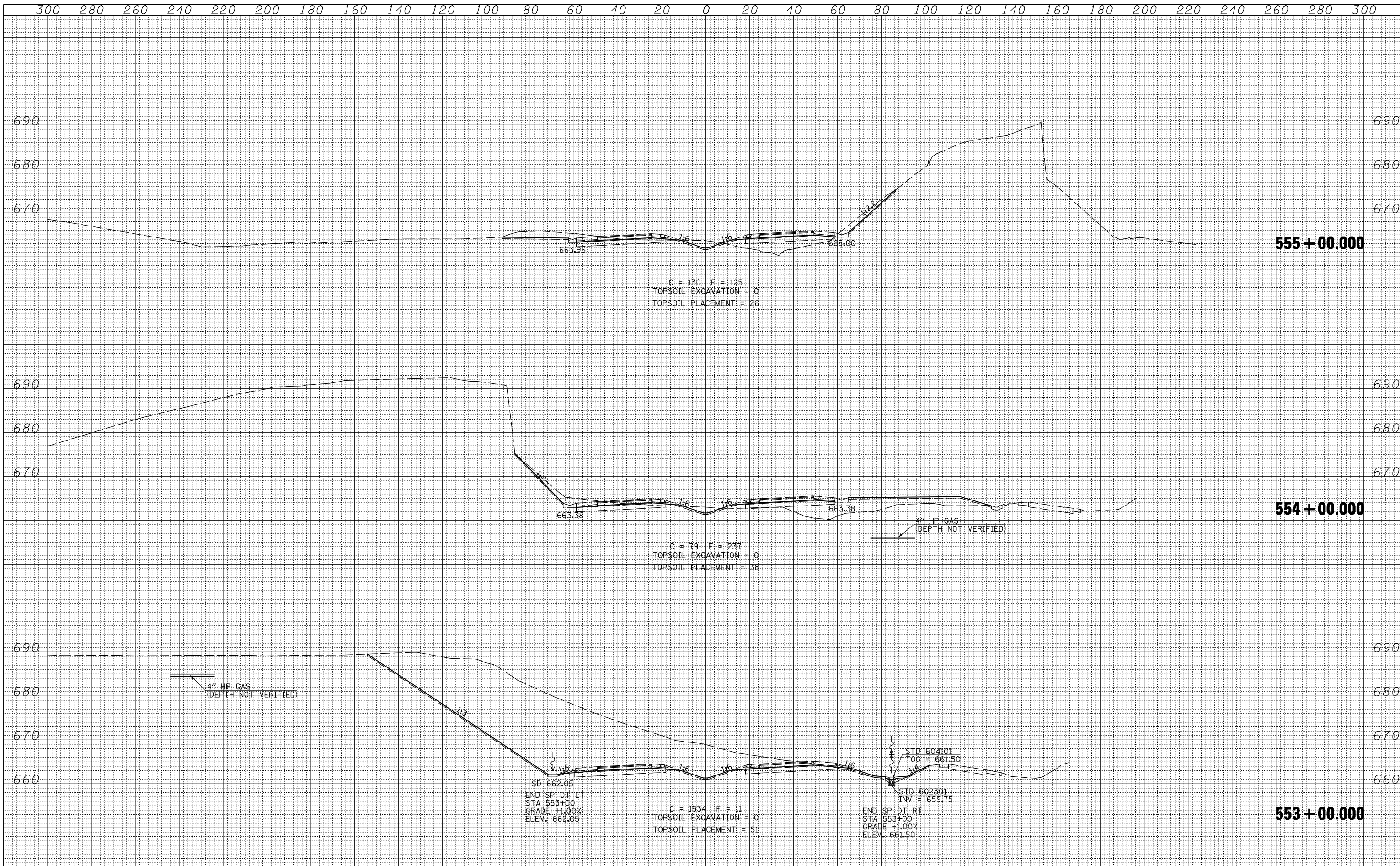


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ORIGINAL SURVEY	
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FINISHED SURVEY	
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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 4 OF 176 SHEETS STA. 550+00.000 TO STA. 552+00.000



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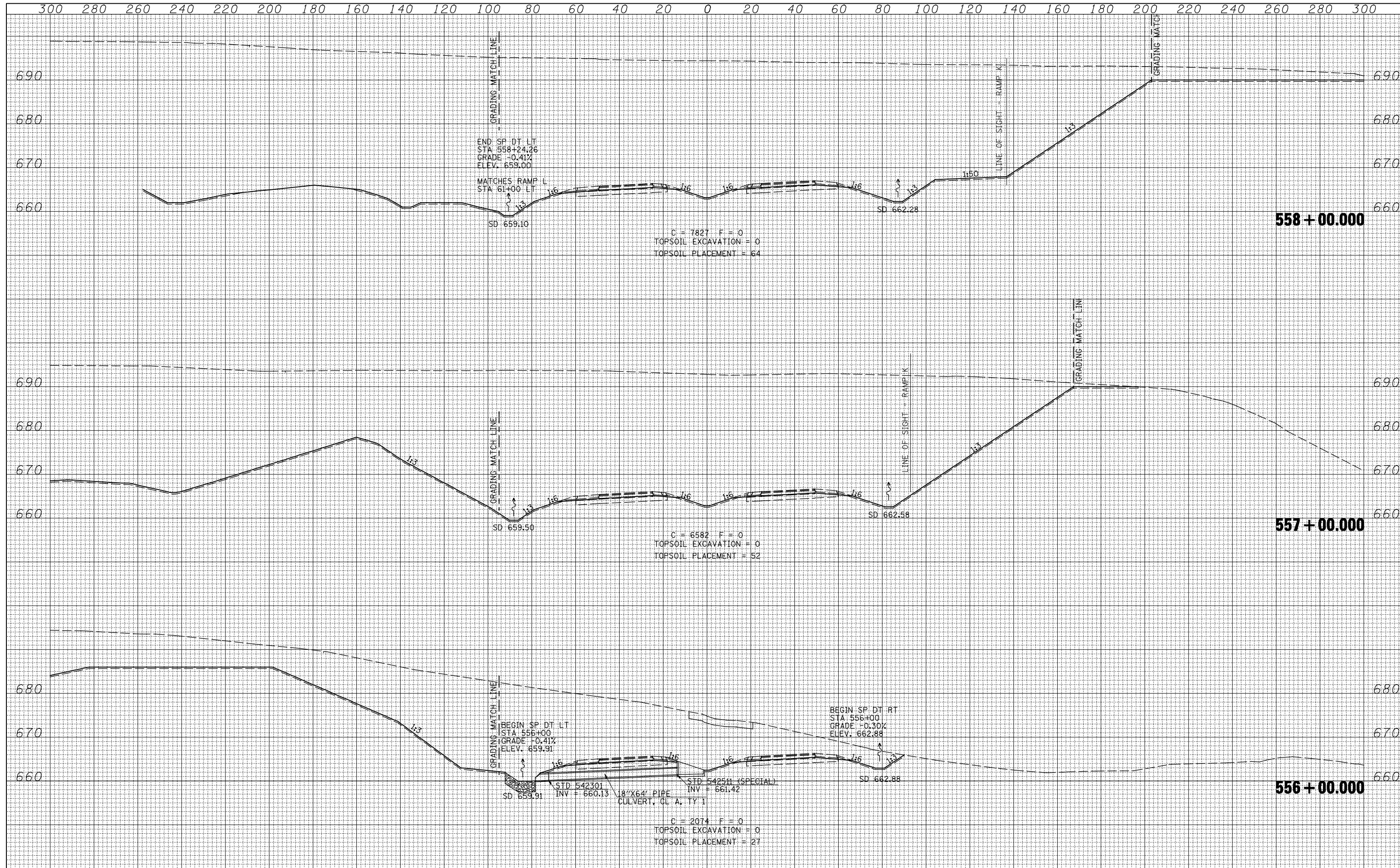
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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1"=20' H
1"=10' V
SHEET NO. 5 OF 176 SHEETS
STA. 553+00.000 TO STA. 555+00.000

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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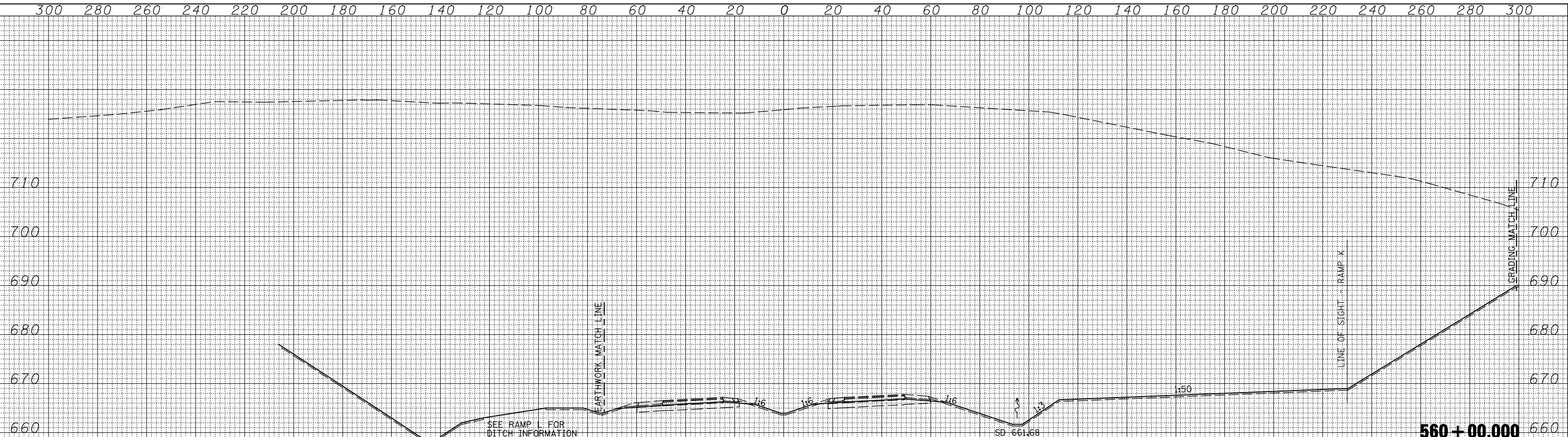
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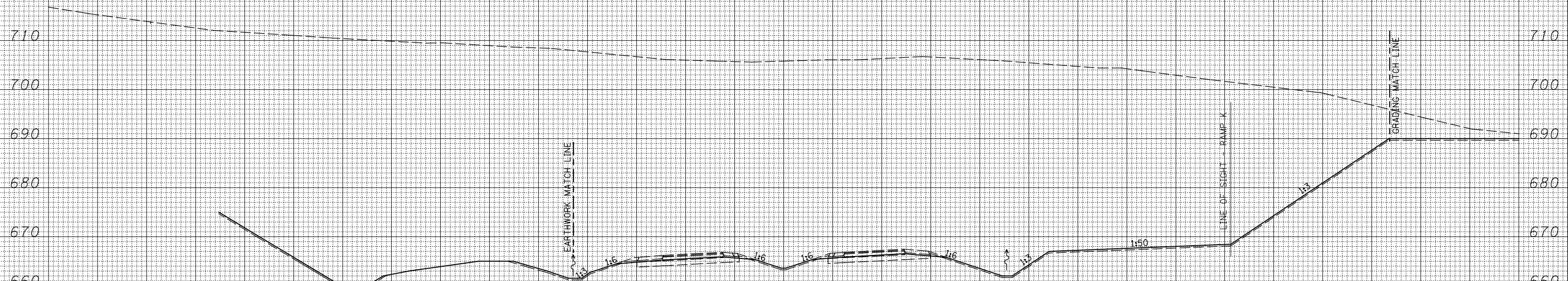
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PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

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

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



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 TOPSOIL EXCAVATION = 0
 TOPSOIL PLACEMENT = 89



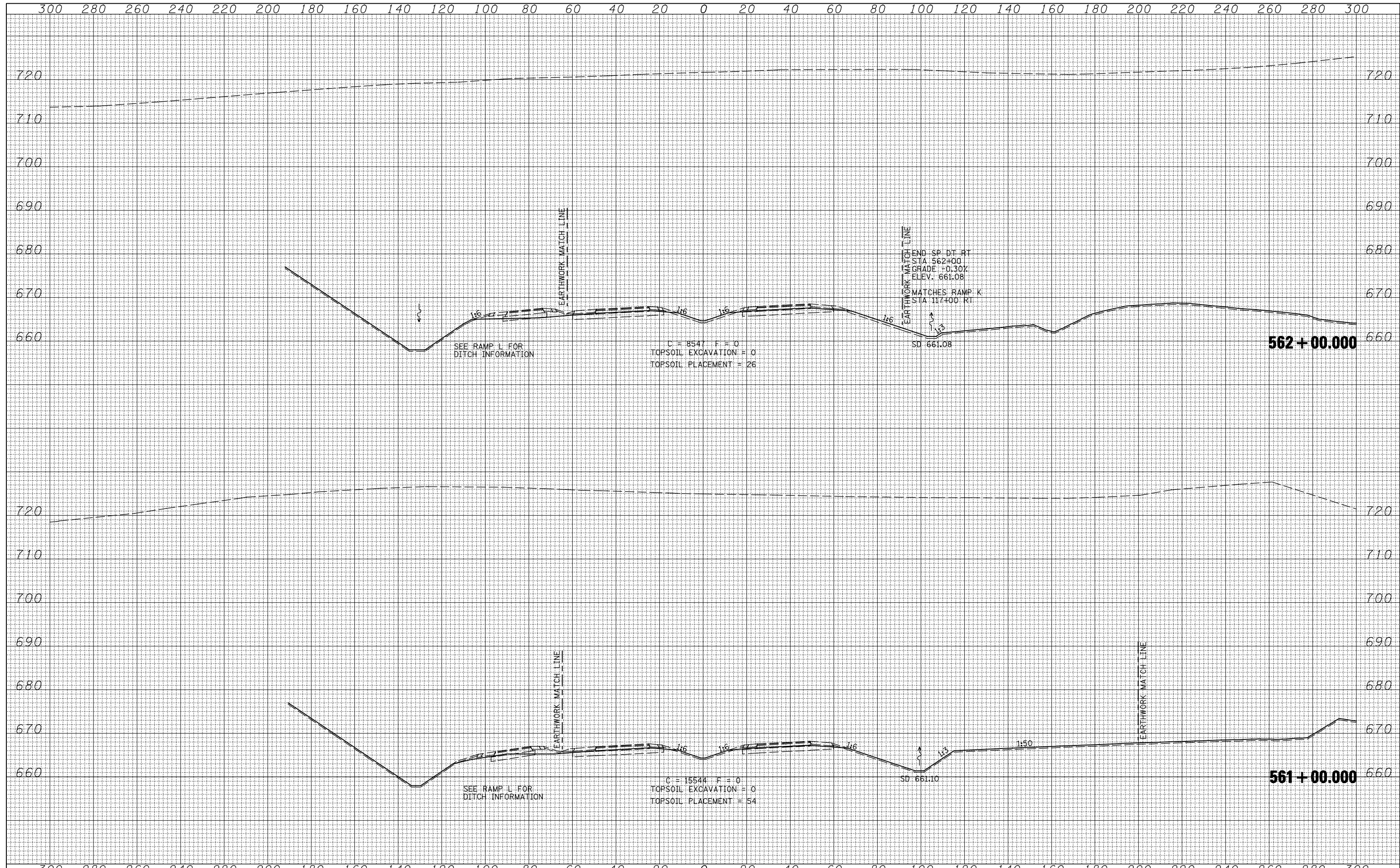
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PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 7 OF 176 SHEETS
 STA. 559+00.000 TO STA. 560+00.000

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

DATE	
BY	
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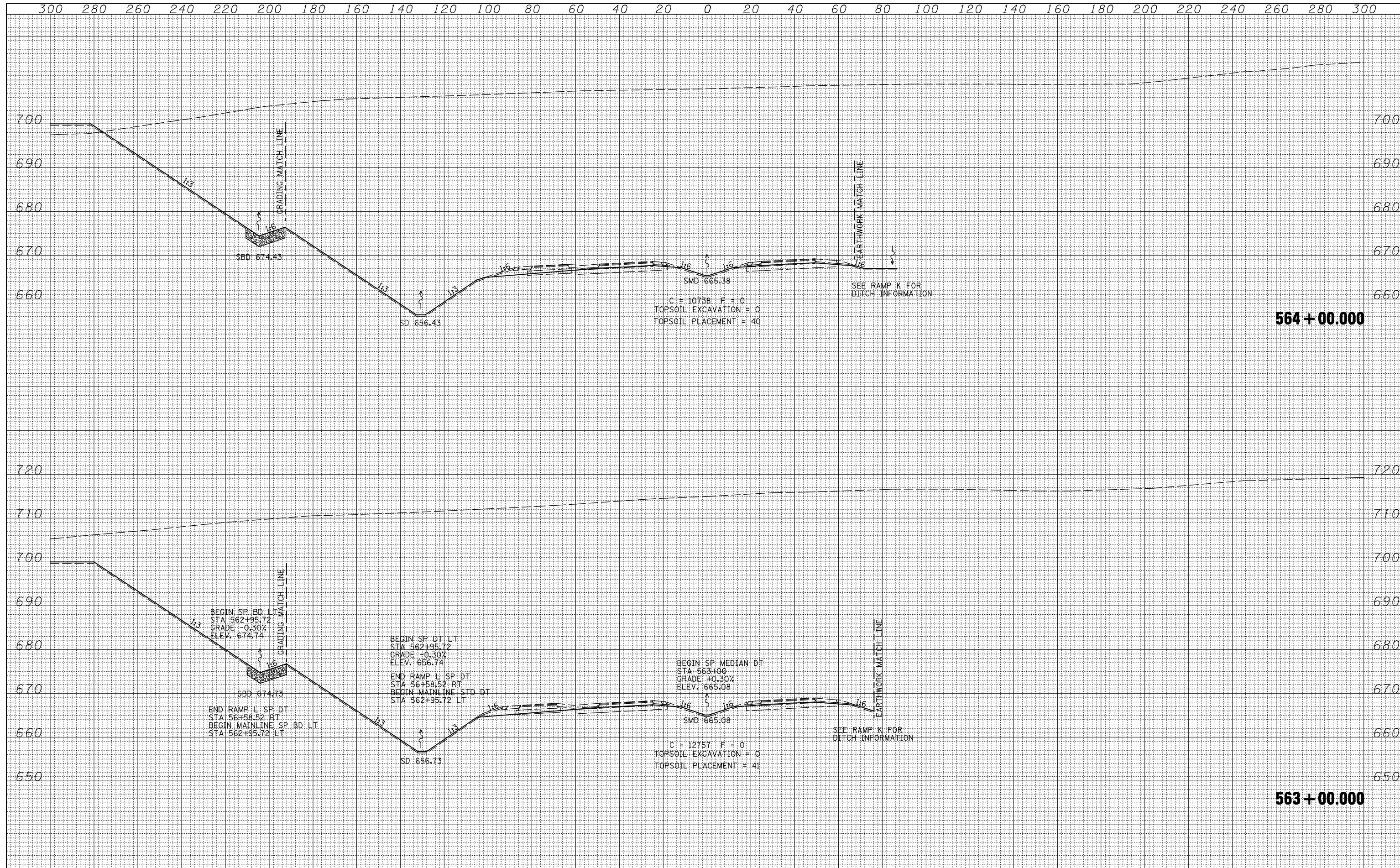


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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
1/2" = 10' V
SHEET NO. 8 OF 176 SHEETS STA. 561+00.000 TO STA. 562+00.000

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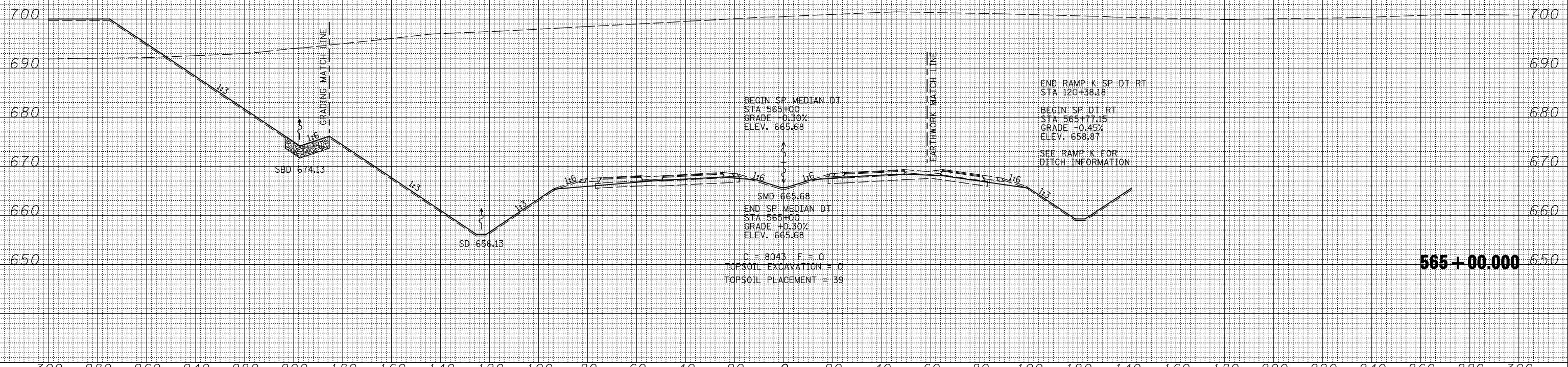
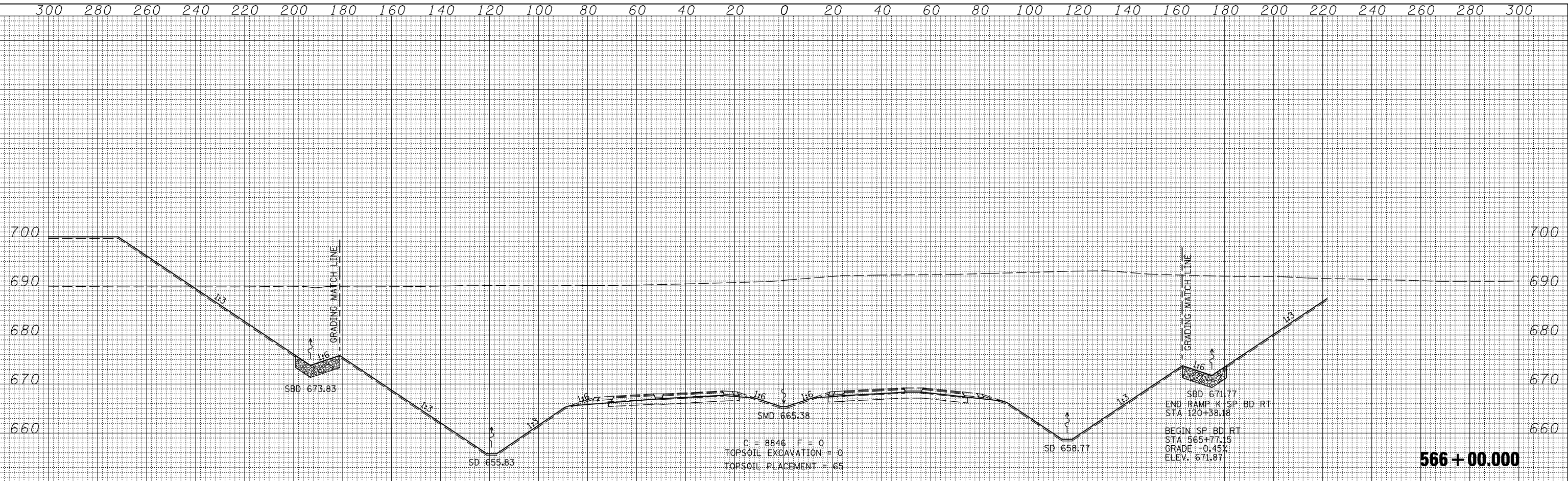


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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1/4" = 20' H, 1/8" = 10' V					SHEET NO. 9 OF 176 SHEETS		STA. 563+00.000 TO STA. 564+00.000			

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BY	DATE
SURVEYED	
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TEMPLATE	
NOTE BOOK	
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BY	DATE
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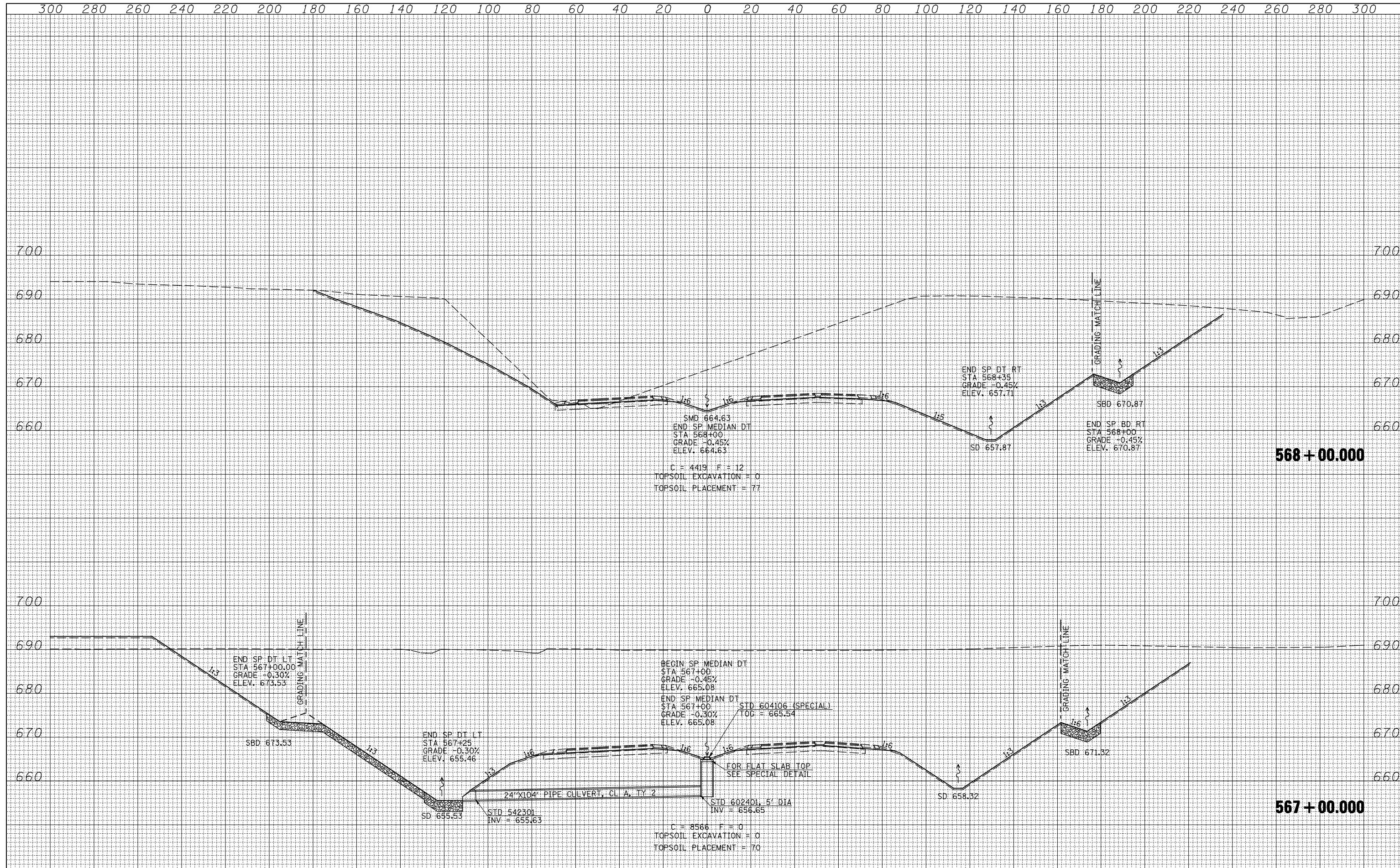


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PLOT DATE = 12/12/2012		DATE -	12-12-12	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP ROUTE 407 (IL RTE 336)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CROSS SECTIONS		407	(55-3)A	MCDONOUGH	671	340
SCALE: 1"=20' H 1"=10' V	SHEET NO. 10 OF 176 SHEETS	STA. 565+00.000 TO STA. 566+00.000		CONTRACT NO. 68A42		



DATE	
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FINISHED SURVEY	
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TEMPLATE	
NOTE BOOK	
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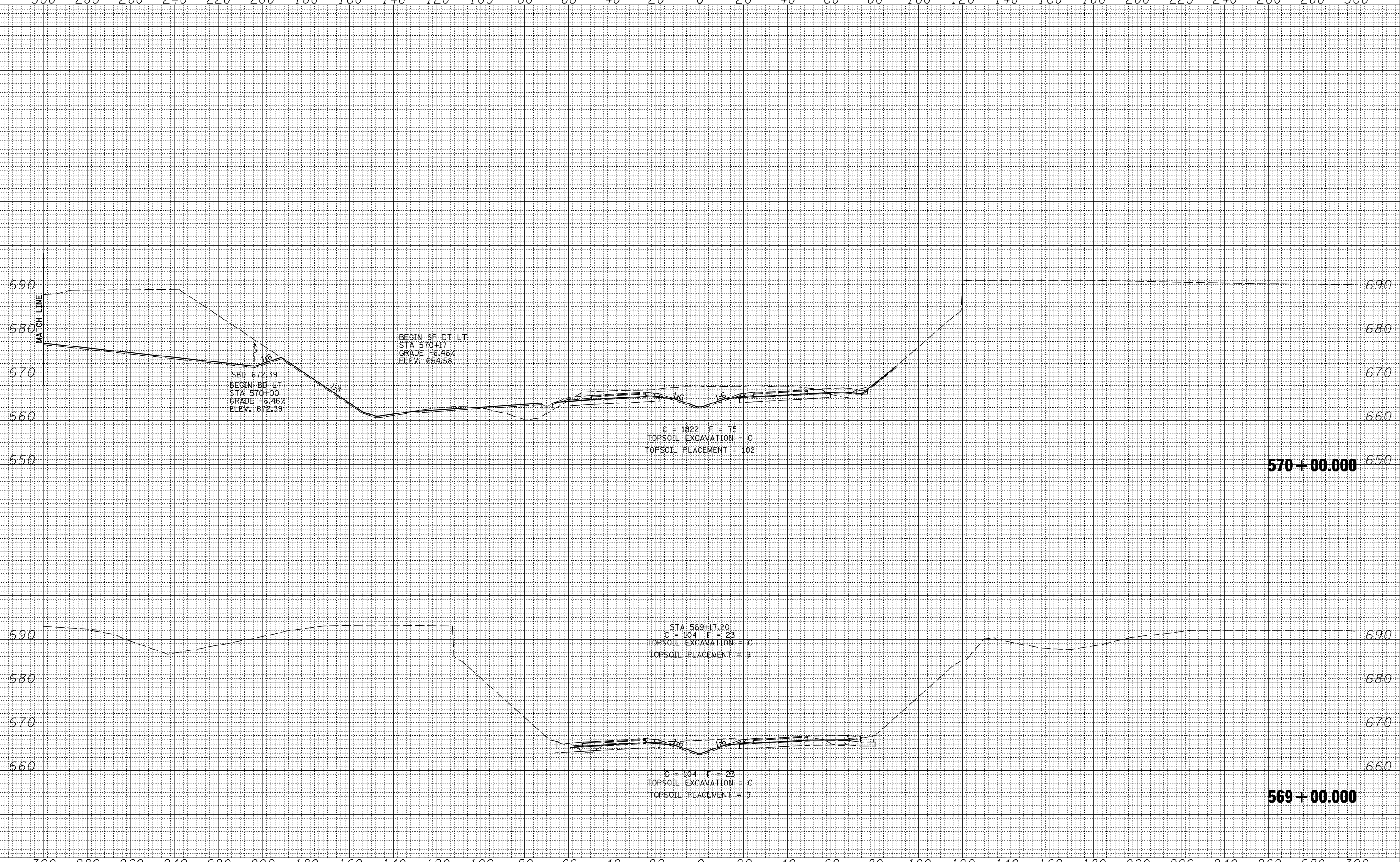
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PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -			CONTRACT NO. 68A42				
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1/4"=20' H
1/8"=10' V
SHEET NO. 11 OF 176 SHEETS
STA. 567+00.000 TO STA. 568+00.000

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

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



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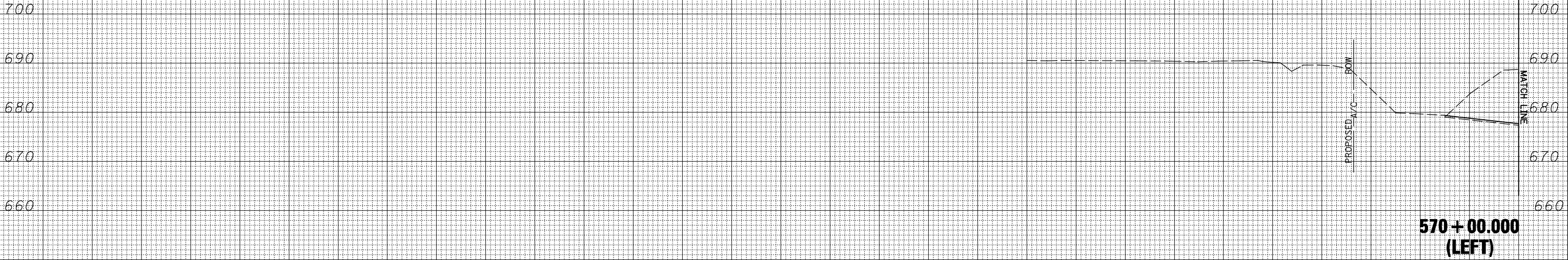
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP ROUTE 407 (IL RTE 336)	
CROSS SECTIONS	
SCALE: 1/4" = 20' H 1/4" = 10' V	SHEET NO. 12 OF 176 SHEETS
STA. 569+00.000 TO STA. 570+00.000	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	342
			CONTRACT NO.	68A42
ILLINOIS FED. AID PROJECT				

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

DATE	
BY	
FINISHED SURVEY	
NOTED BOOK	
NO.	



DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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 PLOT DATE = 12/12/2012

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 CHECKED - AWM
 DATE - 12-12-12

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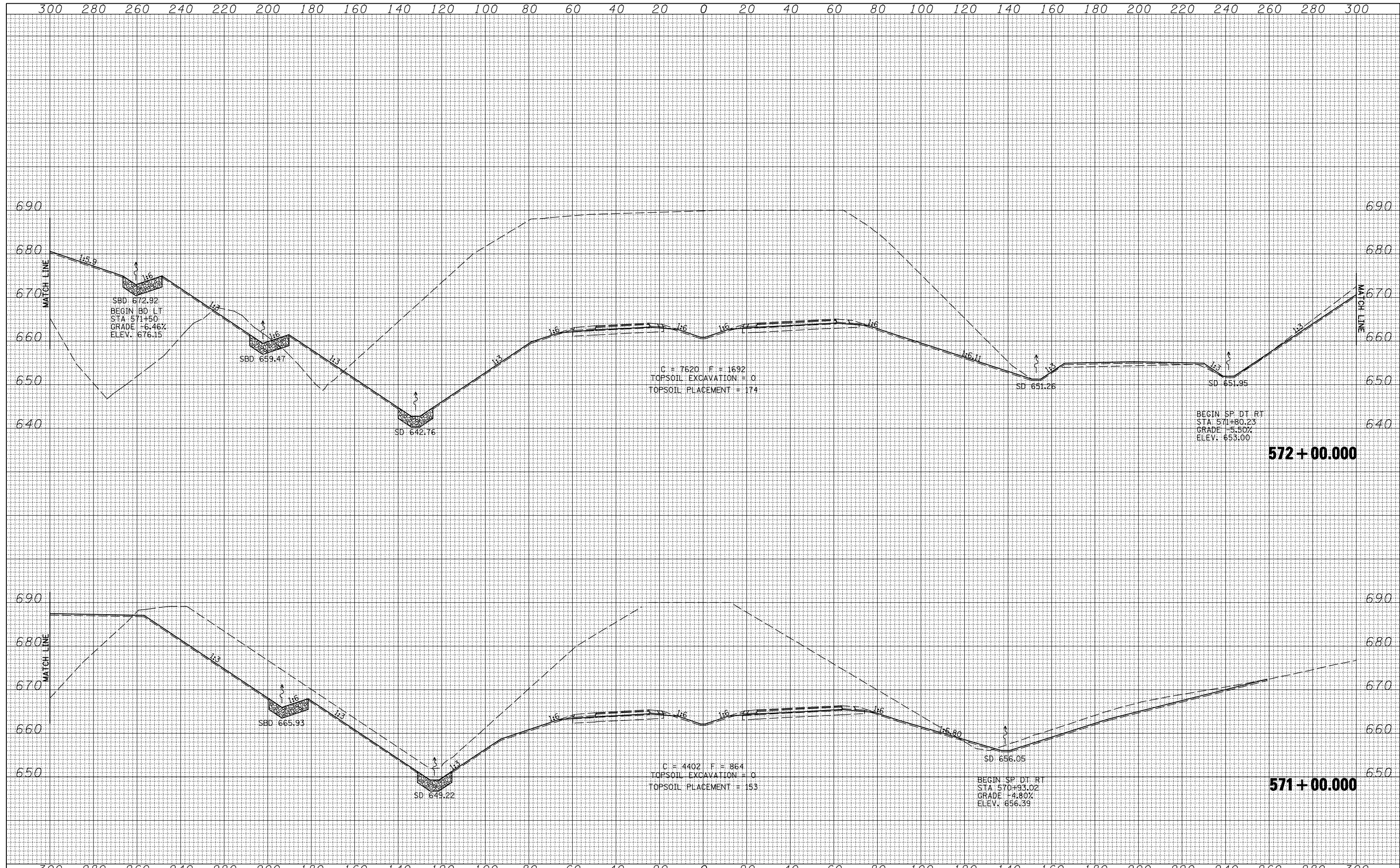
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE LT**

SCALE: 1/4"=20' H
 1/8"=10' V

SHEET NO. 13 OF 176 SHEETS | STA. 570+00.000 TO STA. 570+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	343
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	



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 = jdeen	DESIGNED - JRB	REVISED -
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn		DRAWN - TJD	REVISED -
PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS**

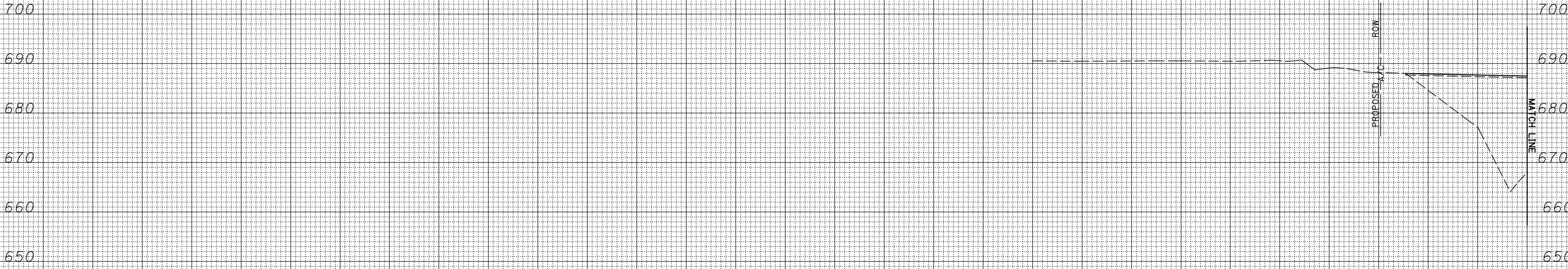
SCALE: 1/4" = 20' H
1/8" = 10' V

SHEET NO. 14 OF 176 SHEETS | STA. 571+00.000 TO STA. 572+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	344
			CONTRACT NO.	68A42
ILLINOIS FED. AID PROJECT				

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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



571 + 00.000 (LEFT)

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

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

FILE NAME =
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USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS - MATCHLINE LT**

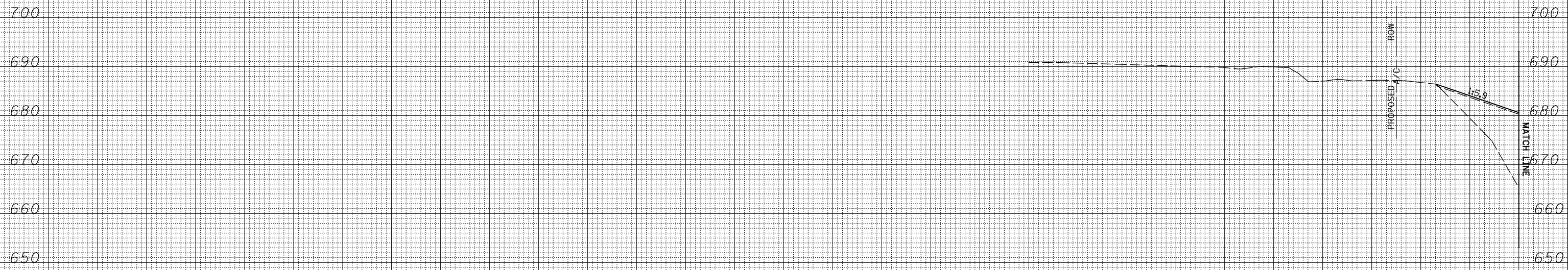
SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 15 OF 176 SHEETS
 STA. 571+00.000 TO STA. 571+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	345
CONTRACT NO. 68A42				
ILLINOIS FED. AID PROJECT				

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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

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



**572 + 00.000
(LEFT)**

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

FILE NAME =
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn

USER NAME = jdeen
PLOT SCALE = 40.00' / IN.
PLOT DATE = 12/12/2012

DESIGNED - JRB
DRAWN - TJD
CHECKED - AWM
DATE - 12-12-12

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS - MATCHLINE LT**

SCALE: 1/4" = 20' H
1/8" = 10' V
SHEET NO. 16 OF 176 SHEETS
STA. 572+00.000 TO STA. 572+00.000

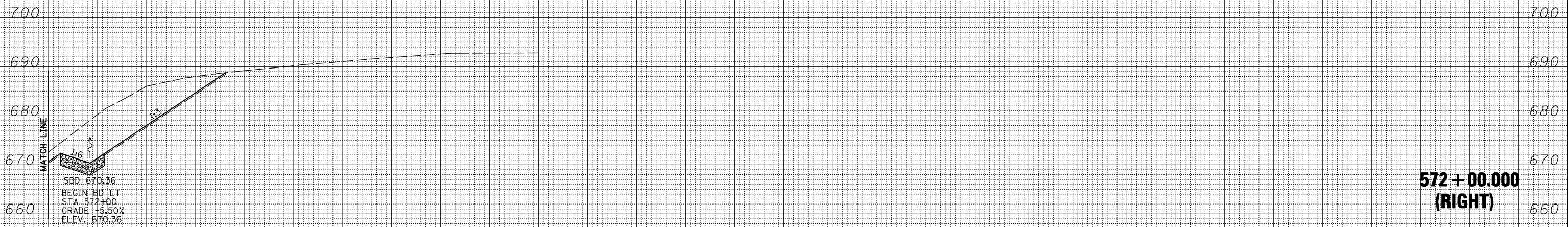
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	346
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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

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



SBD: 670.36
 BEGIN: 80' LT
 STA: 572+00
 GRADE: +5.50%
 ELEV.: 670.36

**572+00.00
(RIGHT)**

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FILE NAME = V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn

USER NAME = jdeen	DESIGNED - JRB	REVISED -
PLOT SCALE = 40.00' / IN.	DRAWN - TJD	REVISED -
PLOT DATE = 12/12/2012	CHECKED - AWM	REVISED -
	DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS - MATCHLINE RT**

SCALE: $\frac{1"}{40'}$ H $\frac{1"}{10'}$ V

SHEET NO. 17 OF 176 SHEETS STA. 572+00.000 TO STA. 572+00.000

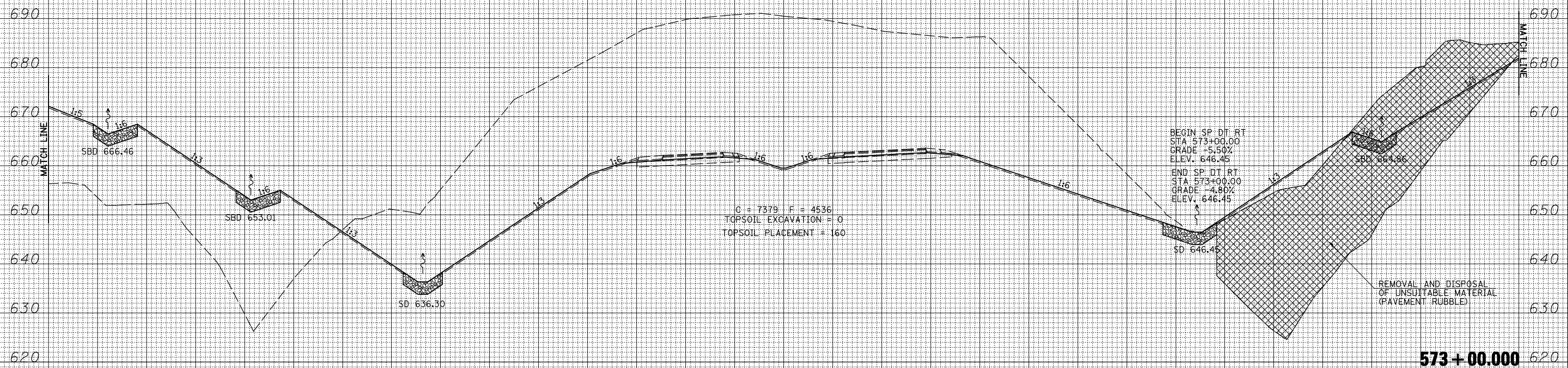
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	347
			CONTRACT NO.	68A42

ILLINOIS FED. AID PROJECT

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

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



300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

FILE NAME =
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USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS**

SCALE: 1/4" = 20' H, 1/8" = 10' V
 SHEET NO. 18 OF 176 SHEETS
 STA. 573+00.000 TO STA. 573+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	348
			CONTRACT NO. 68A42	

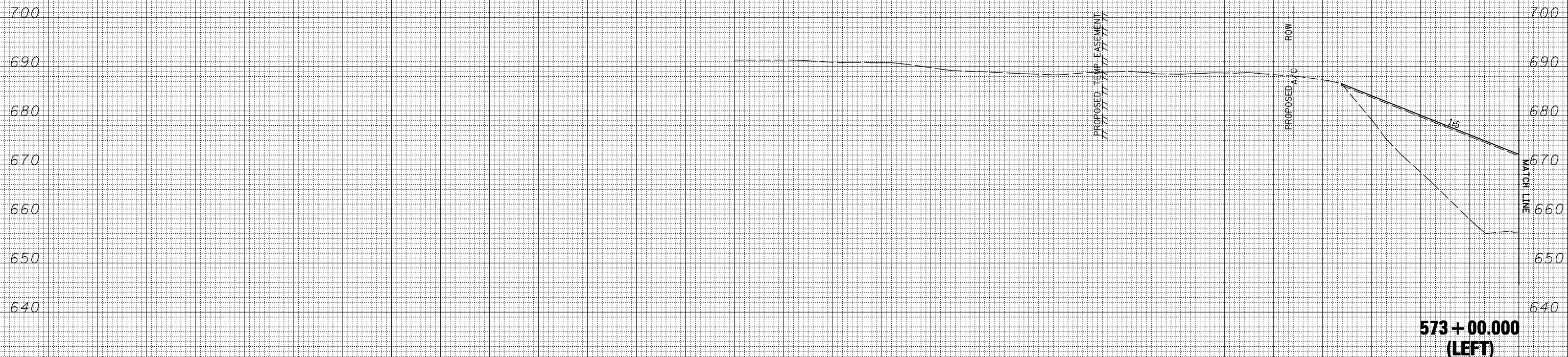
573+00.000

ILLINOIS FED. AID PROJECT

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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

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



900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

FILE NAME = V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn

USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE LT**

SCALE: 1/4" = 20' H, 1/8" = 10' V | SHEET NO. 19 OF 176 SHEETS | STA. 573+00.000 TO STA. 573+00.000

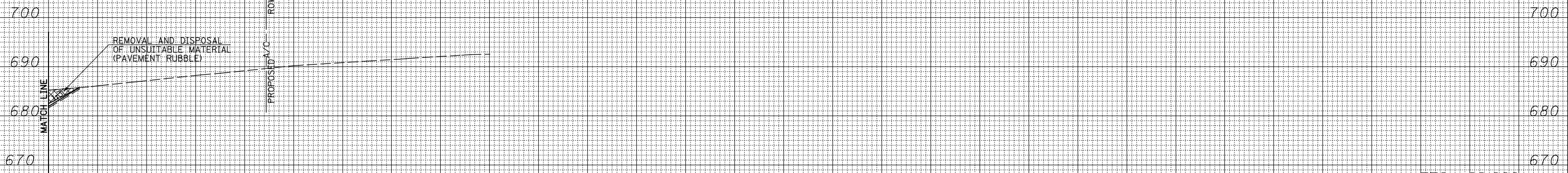
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	349
			CONTRACT NO. 68A42	

**573+00.000
 (LEFT)**

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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

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



**573+00.000
(RIGHT)**

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FILE NAME =
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn

USER NAME = jdeen
PLOT SCALE = 40.00' / IN.
PLOT DATE = 12/12/2012

DESIGNED - JRB
DRAWN - TJD
CHECKED - AWM
DATE - 12-12-12

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS - MATCHLINE RT**

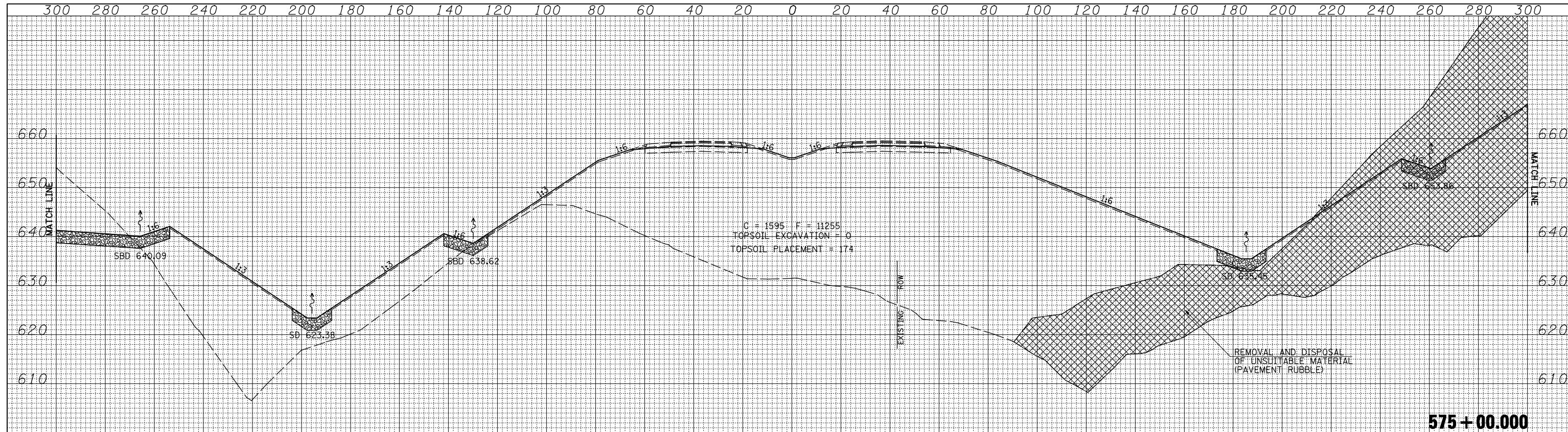
SCALE: 1/4" = 20' H
1/4" = 10' V
SHEET NO. 20 OF 176 SHEETS STA. 573+00.000 TO STA. 573+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	350
			CONTRACT NO. 68A42	

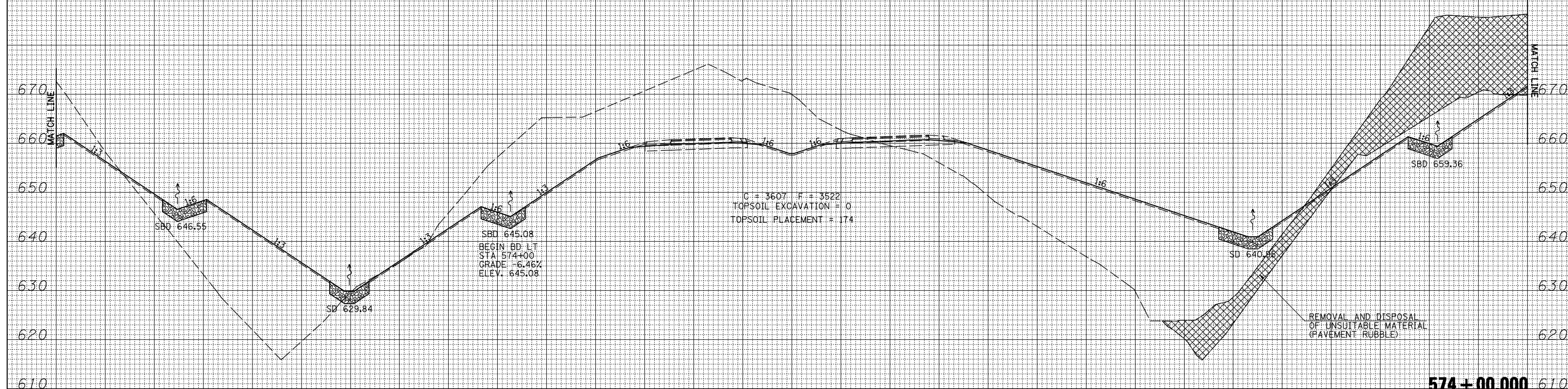
ILLINOIS FED. AID PROJECT

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



575+00.000



574+00.000

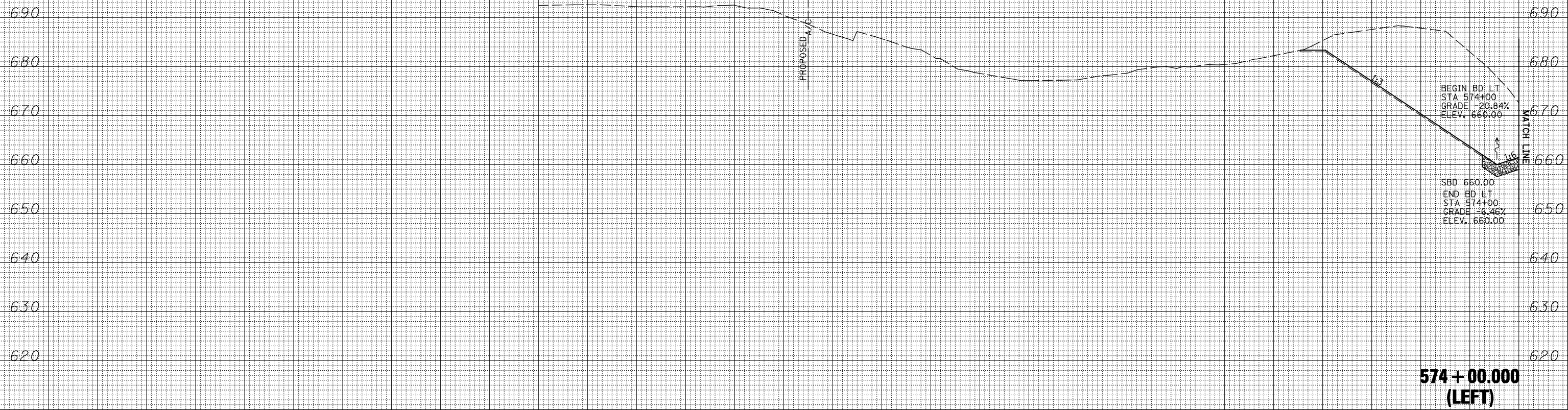
FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	351	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H, 1/4" = 10' V | SHEET NO. 21 OF 176 SHEETS | STA. 574+00.000 TO STA. 575+00.000

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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

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



900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

FILE NAME =
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USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

REVISED -
 REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE LT**

SCALE: 1/4" = 20' H, 1/8" = 10' V
 SHEET NO. 22 OF 176 SHEETS
 STA. 574+00.000 TO STA. 574+00.000

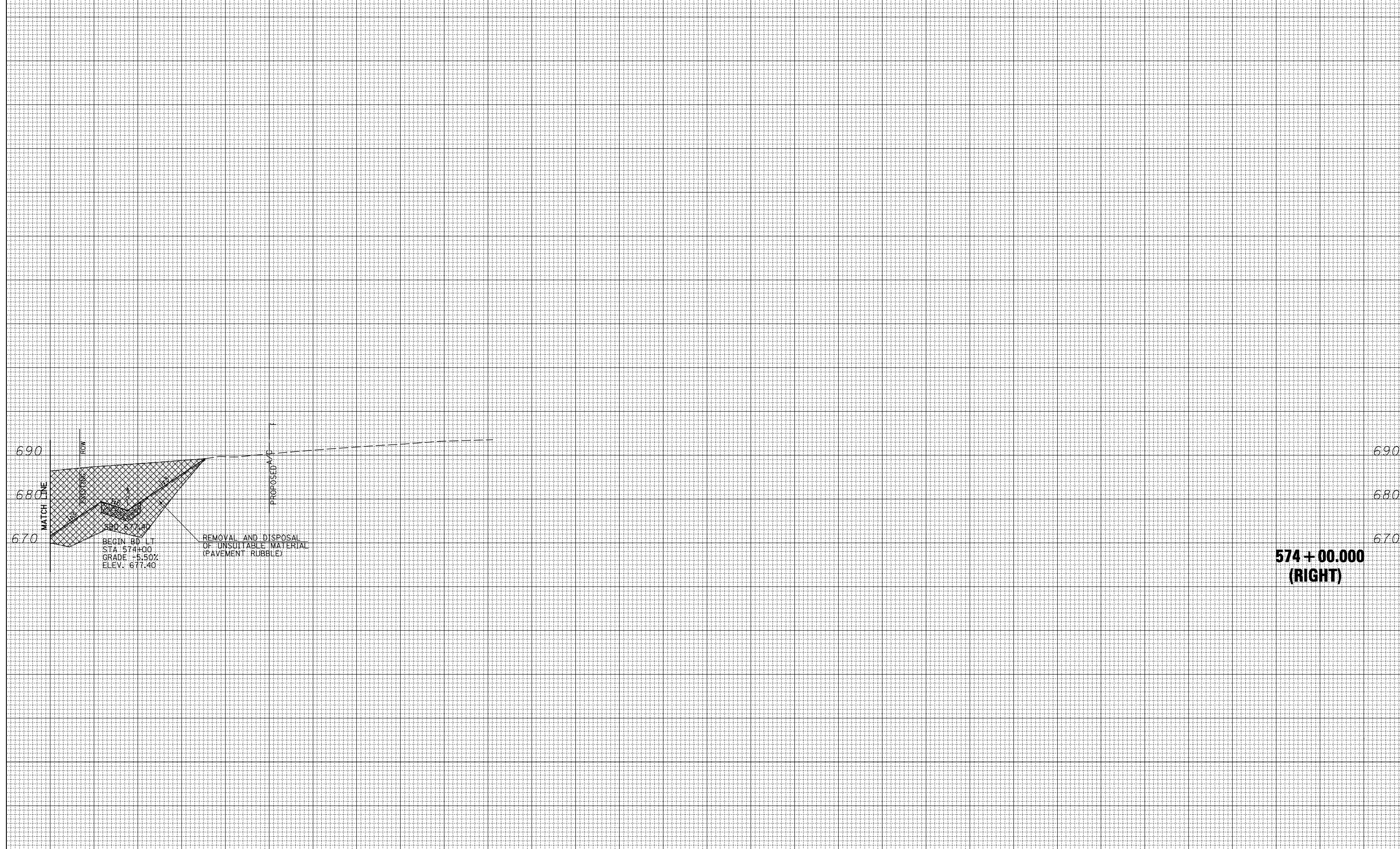
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	352
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

DATE	BY	SURVEYED	PLOTTED
		NOTE BOOK	TEMPLATE
		AREAS CHECKED	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED
		NOTE BOOK	TEMPLATE
		AREAS CHECKED	AREAS CHECKED



**574+00.000
(RIGHT)**

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FILE NAME =
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USER NAME = jdeen
PLOT SCALE = 40.00' / IN.
PLOT DATE = 12/12/2012

DESIGNED - JRB
DRAWN - TJD
CHECKED - AWM
DATE - 12-12-12

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

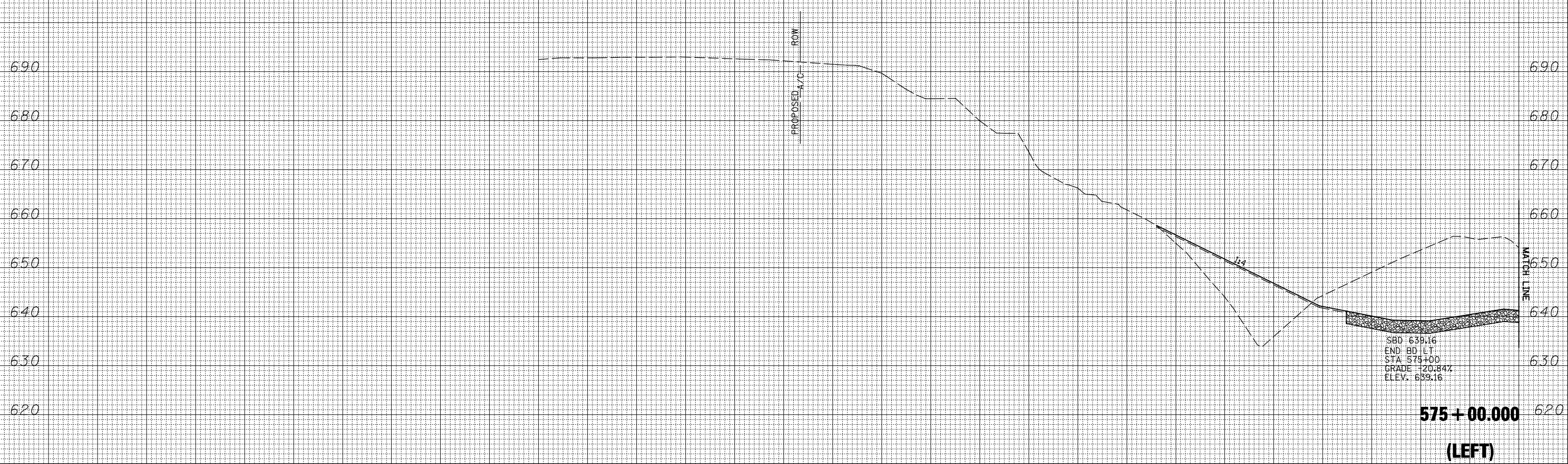
**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS - MATCHLINE RT**
SCALE: 1/4"=20' H
1/8"=10' V
SHEET NO. 23 OF 176 SHEETS STA. 574+00.000 TO STA. 574+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	353
			CONTRACT NO. 68A42	
ILLINOIS FED. AID PROJECT				

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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

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



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USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

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

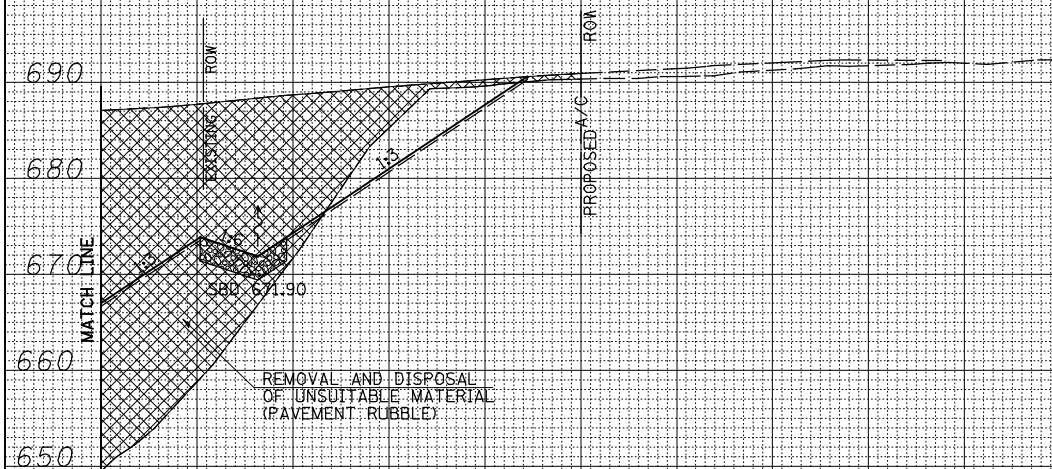
**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE LT**
 SCALE: 1/4" = 20' H
 1/4" = 10' V
 SHEET NO. 24 OF 176 SHEETS
 STA. 575+00.000 TO STA. 575+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	354
			CONTRACT NO. 68A42	
ILLINOIS FED. AID PROJECT				

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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

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



**575 + 00.000
(RIGHT)**

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FILE NAME =
 V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn

USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

REVISED -
 REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE RT**

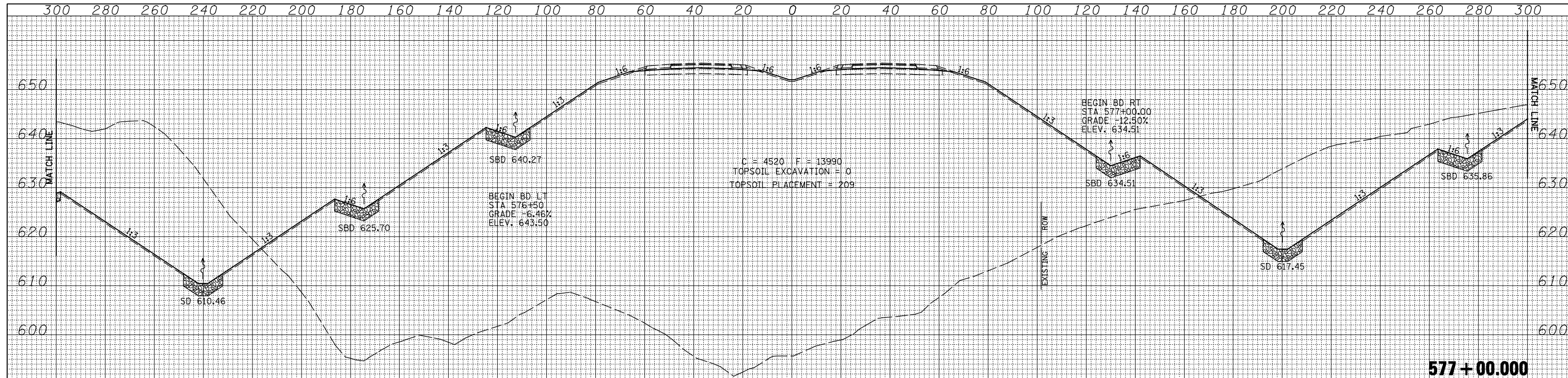
SCALE: 1"=20' H
 1"=10' V
 SHEET NO. 25 OF 176 SHEETS STA. 575+00.000 TO STA. 575+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	355
			CONTRACT NO. 68A42	

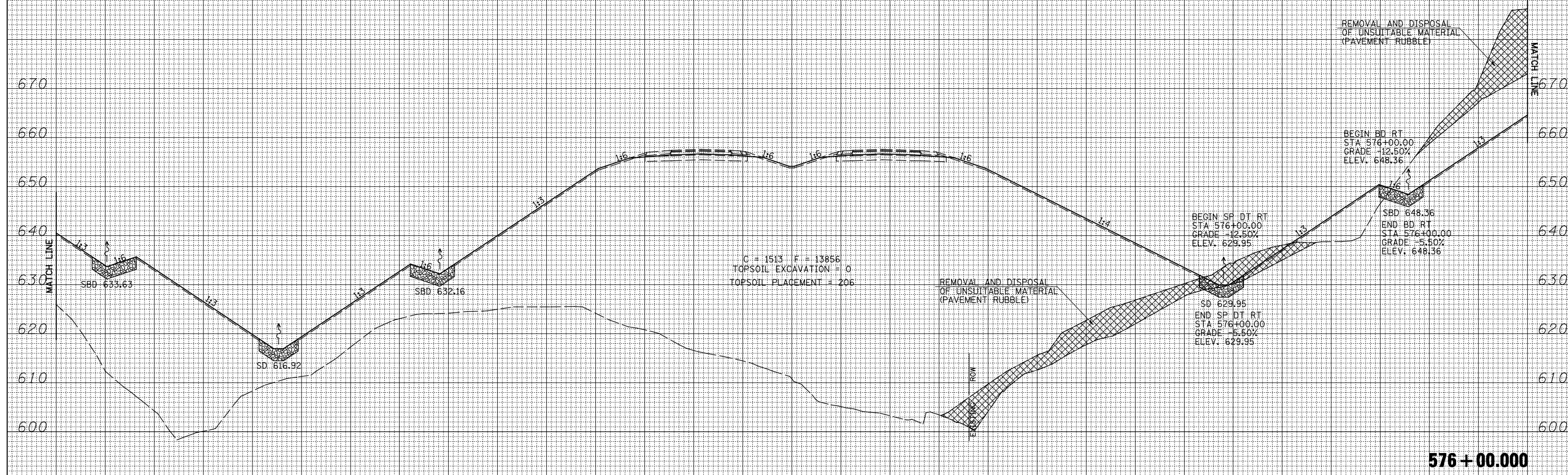
ILLINOIS FED. AID PROJECT

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

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



577 + 00.000



576 + 00.000

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
V:\Transportation\2891\Grading Plans\2891xsheets\20SCALE.dgn		DRAWN - TJD	REVISED -
PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

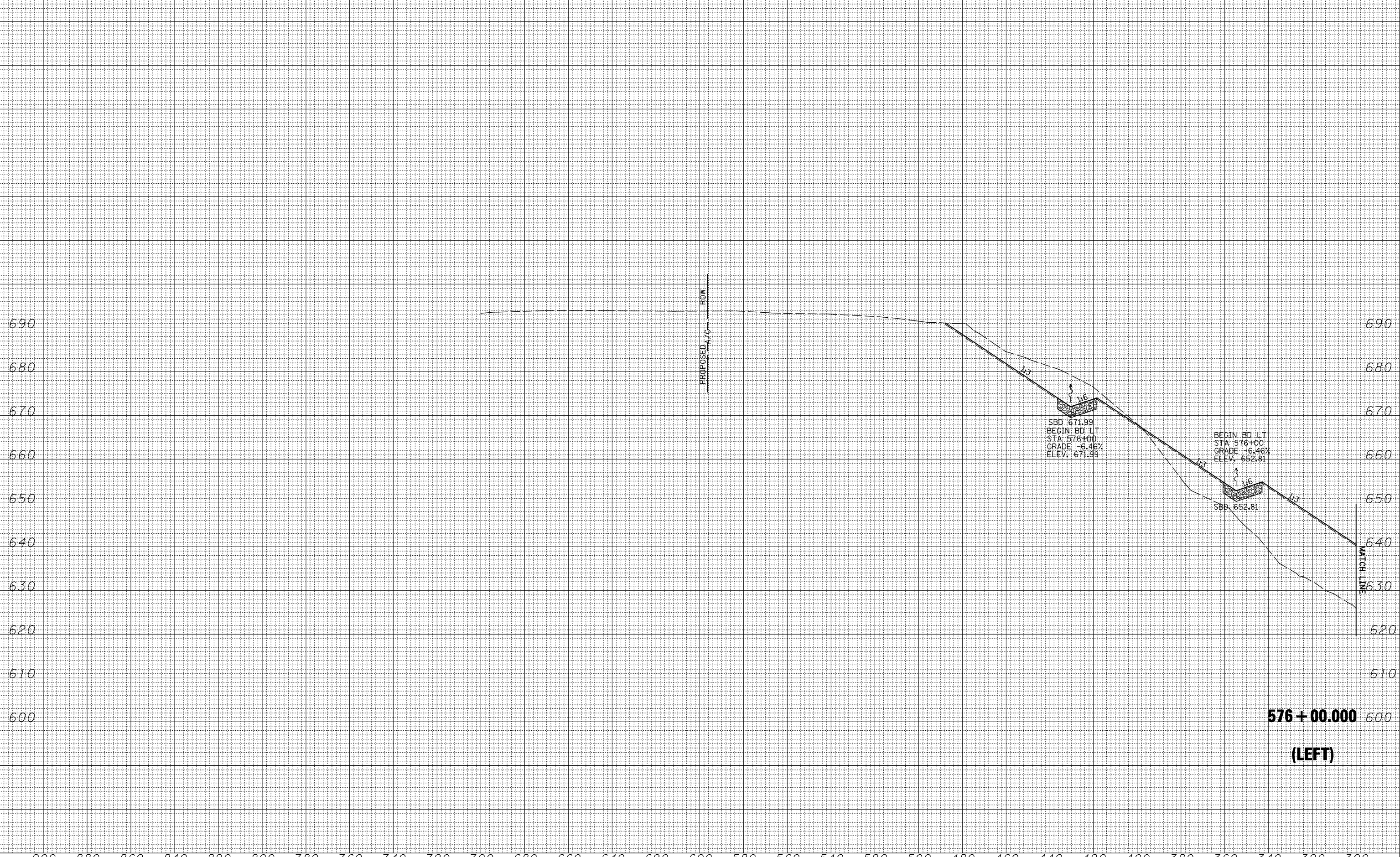
FAP ROUTE 407 (IL RTE 336)	
CROSS SECTIONS	
SCALE: 1/4" = 20' H 1/4" = 10' V	SHEET NO. 26 OF 176 SHEETS
STA. 576+00.000 TO STA. 577+00.000	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	356
			CONTRACT NO. 68A42	
ILLINOIS FED. AID PROJECT				

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

DATE	BY	SURVEYED	PLOTTED
		NOTE BOOK	TEMPLATE
		AREAS CHECKED	AREAS CHECKED

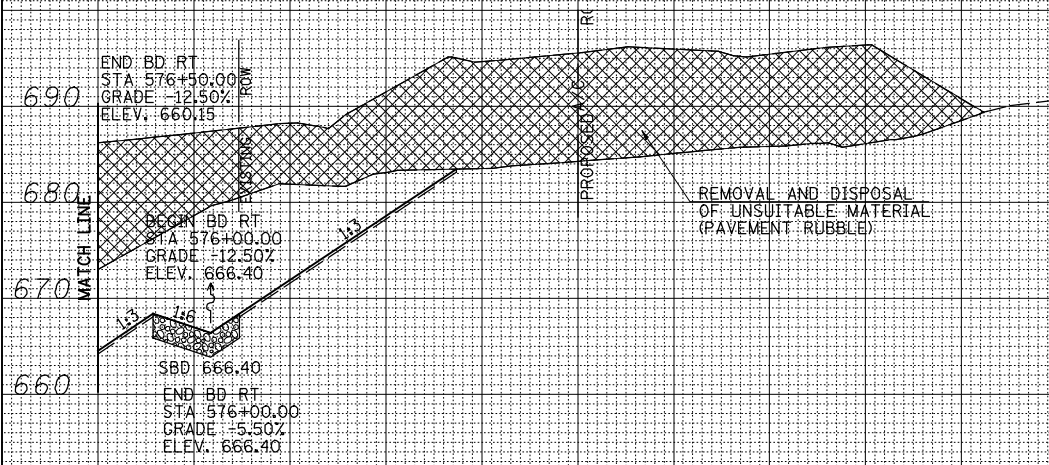
DATE	BY	SURVEYED	PLOTTED
		NOTE BOOK	TEMPLATE
		AREAS CHECKED	AREAS CHECKED



FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS - MATCHLINE LT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn		DRAWN - TJD	REVISED -			407	(55-3)A	MCDONOUGH	671	357
PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -			CONTRACT NO. 68A42		ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -			SCALE: 1/4"=20' H 1/4"=10' V	SHEET NO. 27 OF 176 SHEETS	STA. 576+00.000 TO STA. 576+00.000		

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



**576+00.00
(RIGHT)**

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
V:\Transportation\2891\Grading Plans\2891xsheets\28SCALE.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
CROSS SECTIONS - MATCHLINE RT**

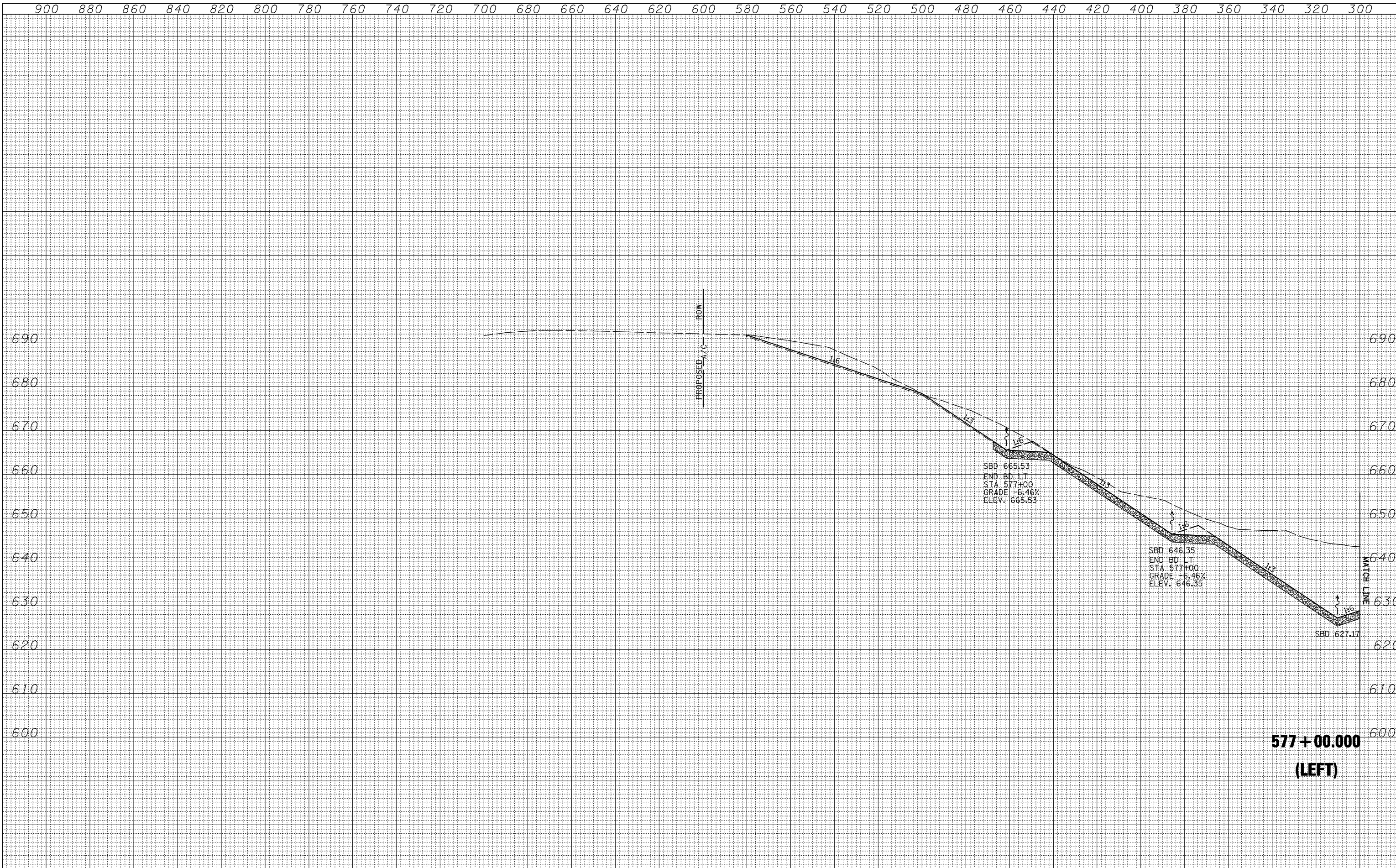
SCALE: 1"=20' H
1"=10' V SHEET NO. 28 OF 176 SHEETS STA. 576+00.000 TO STA. 576+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	358
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

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

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



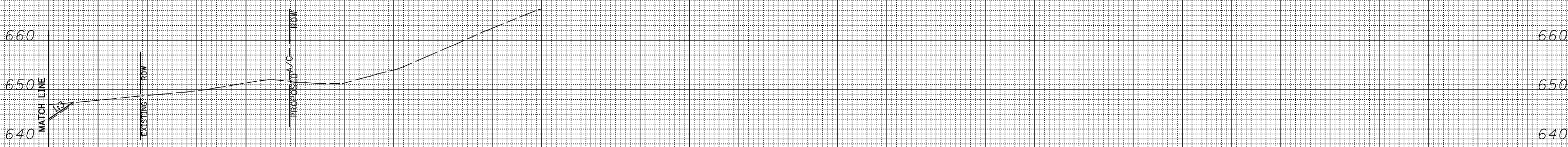
577 + 00.000
(LEFT)

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	SCALE: 1/4" = 20' H 1/4" = 10' V	SHEET NO. 29 OF 176 SHEETS	STA. 577+00.000 TO STA. 577+00.000	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn	PLOT SCALE = 40.00 ' / IN.	DRAWN - TJD	REVISED -				407	(55-3)A	MCDONOUGH	671	359
	PLOT DATE = 12/12/2012	CHECKED - AWM	REVISED -				CONTRACT NO. 68A42		ILLINOIS FED. AID PROJECT		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS - MATCHLINE LT							

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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

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



300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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USER NAME = jdeen
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 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

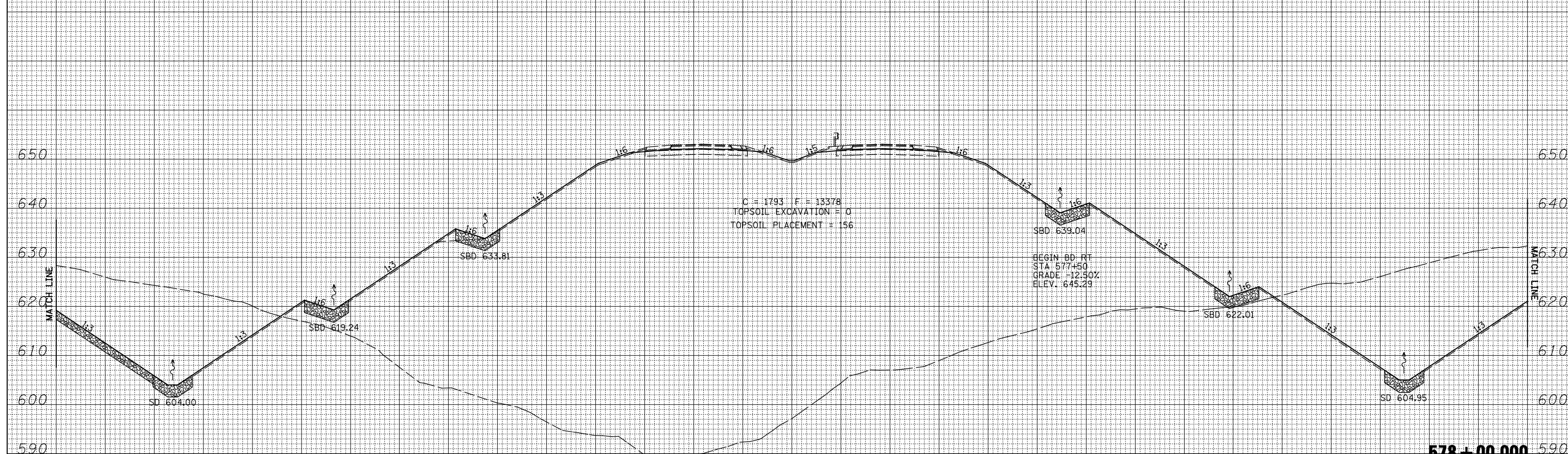
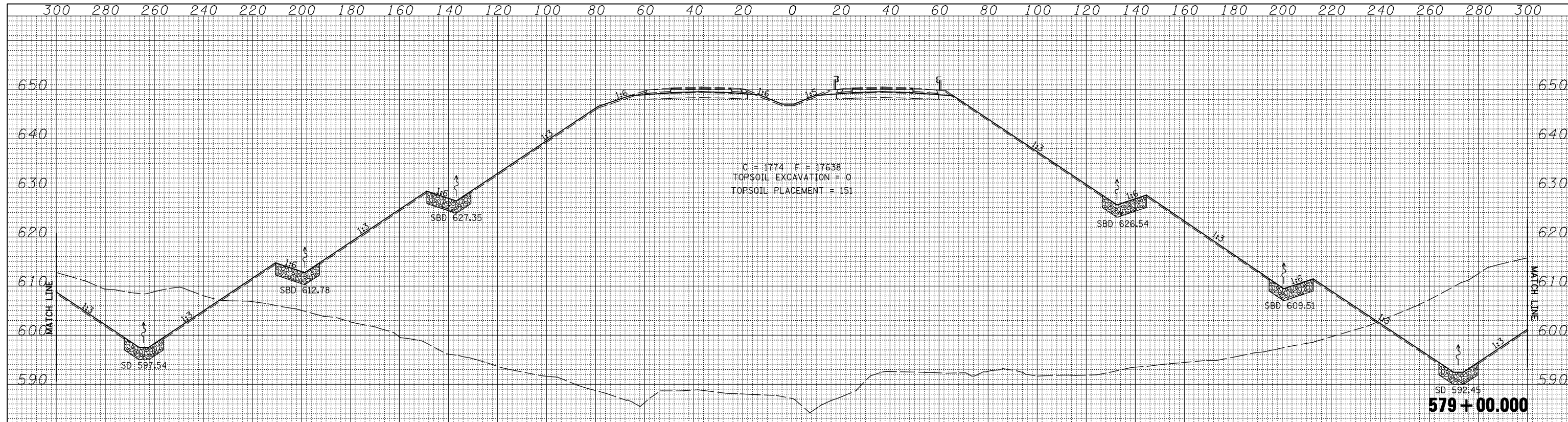
**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE RT**

SCALE: 1/4"=20' H
 1/4"=10' V
 SHEET NO. 30 OF 176 SHEETS STA. 577+00.000 TO STA. 577+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	360
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	

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ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets\20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	361	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

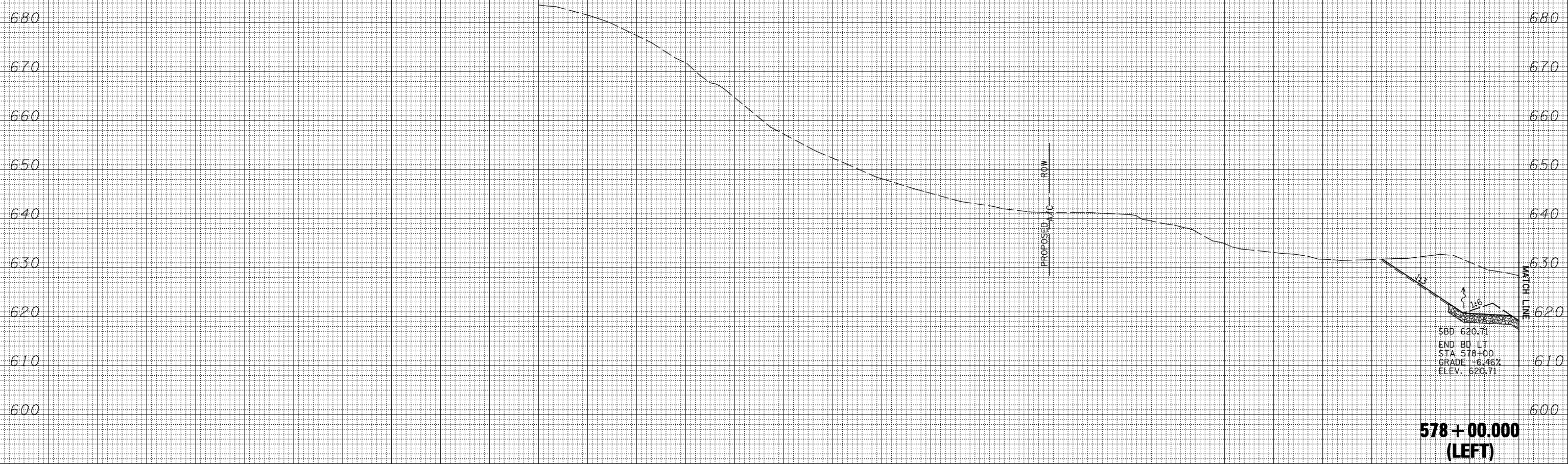
SCALE: 1/4" = 20' H
 1/4" = 10' V

SHEET NO. 31 OF 176 SHEETS STA. 578+00.000 TO STA. 579+00.000

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



**578+00.00
(LEFT)**

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

FILE NAME =
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USER NAME = jdeen
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 PLOT DATE = 12/12/2012

DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE LT**
 SCALE: 1/4" = 20' H
 1/4" = 10' V
 SHEET NO. 32 OF 176 SHEETS
 STA. 578+00.000 TO STA. 578+00.000

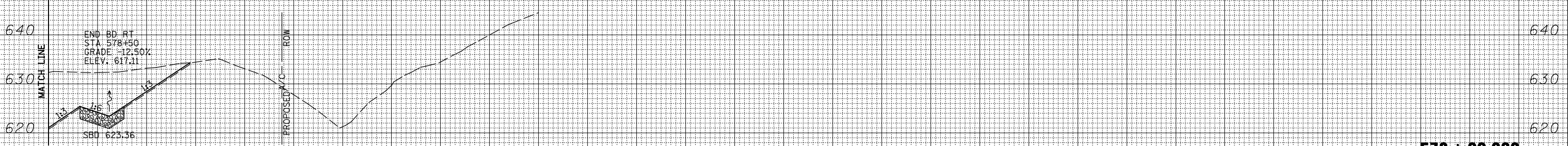
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	362
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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FINAL SURVEY	SURVEYED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED



**578 + 00.000
(RIGHT)**

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

FILE NAME =
 V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn

USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
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 CHECKED - AWM
 DATE - 12-12-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE RT**

SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 33 OF 176 SHEETS STA. 578+00.000 TO STA. 578+00.000

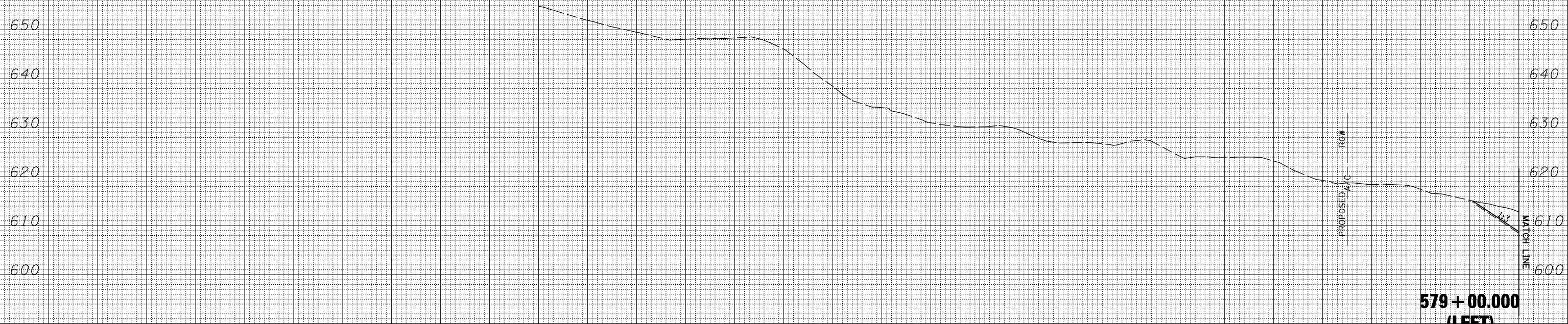
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	363
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

FINAL SURVEY NO.	SURVEYED	DATE
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ORIGINAL SURVEY NO.	SURVEYED	DATE
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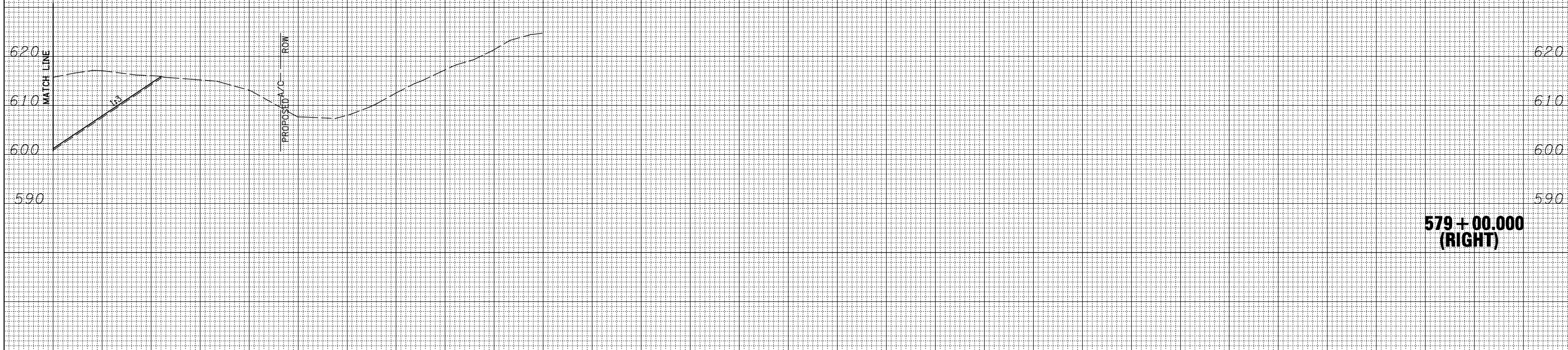
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS - MATCHLINE LT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn		DRAWN - TJD	REVISED -		407	(55-3)A	MCDONOUGH	671	364		
PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -		SCALE: 1/4"=20' H 1/8"=10' V	SHEET NO. 34 OF 176 SHEETS	STA. 579+00.000 TO STA. 579+00.000	CONTRACT NO. 68A42			
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -		ILLINOIS FED. AID PROJECT						

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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

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



300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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USER NAME = jdean
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
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 DATE - 12-12-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE RT**

SCALE: 1/4"=20' H
 1/8"=10' V

SHEET NO. 35 OF 176 SHEETS

STA. 579+00.000 TO STA. 579+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	365
			CONTRACT NO. 68A42	

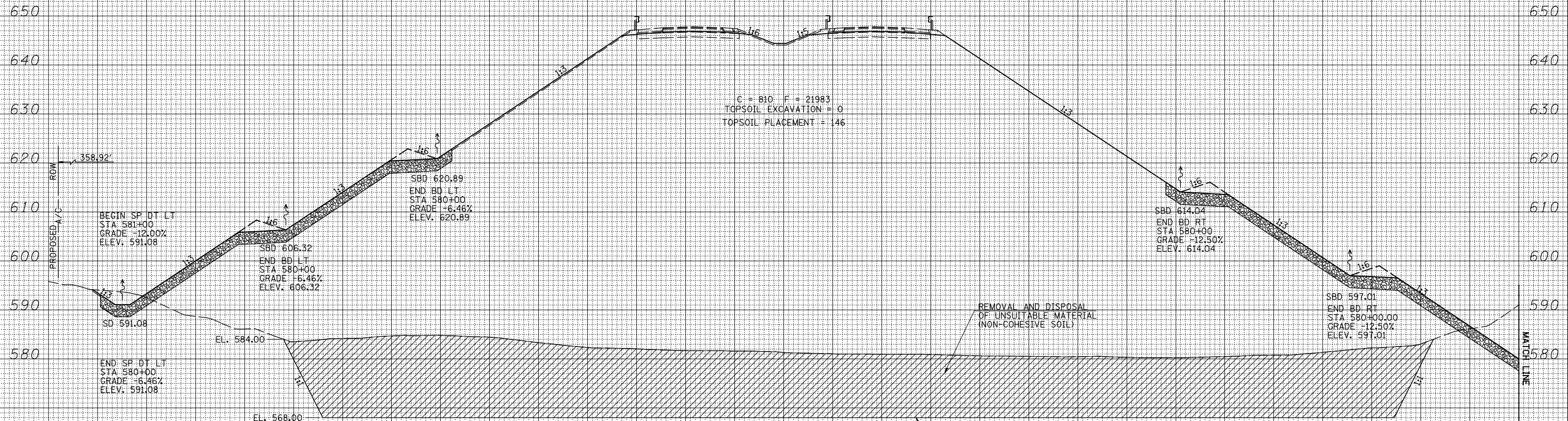
**579 + 00.000
 (RIGHT)**

ILLINOIS FED. AID PROJECT

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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580+00.000

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	366	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
1/4" = 10' V

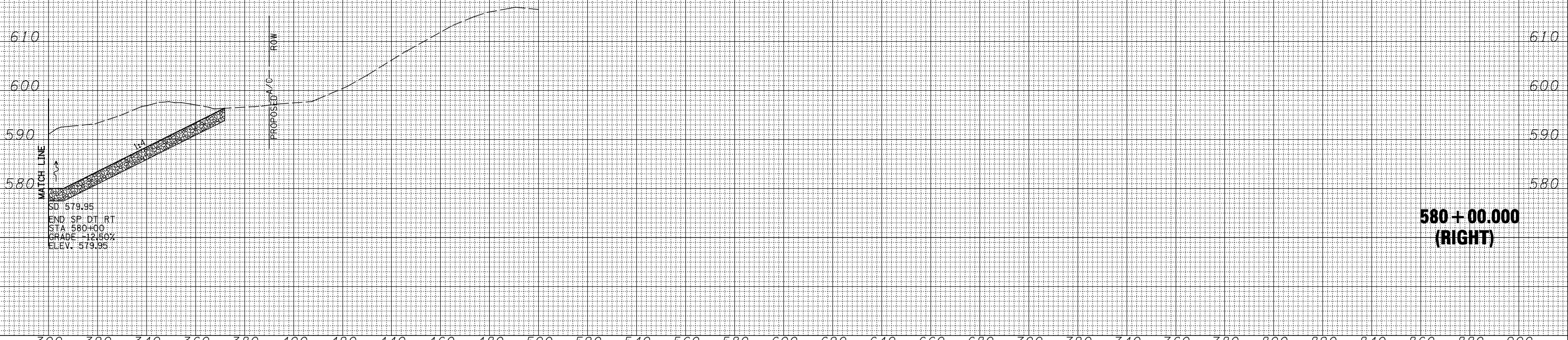
SHEET NO. 36 OF 176 SHEETS

STA. 580+00.000 TO STA. 580+00.000

300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900

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



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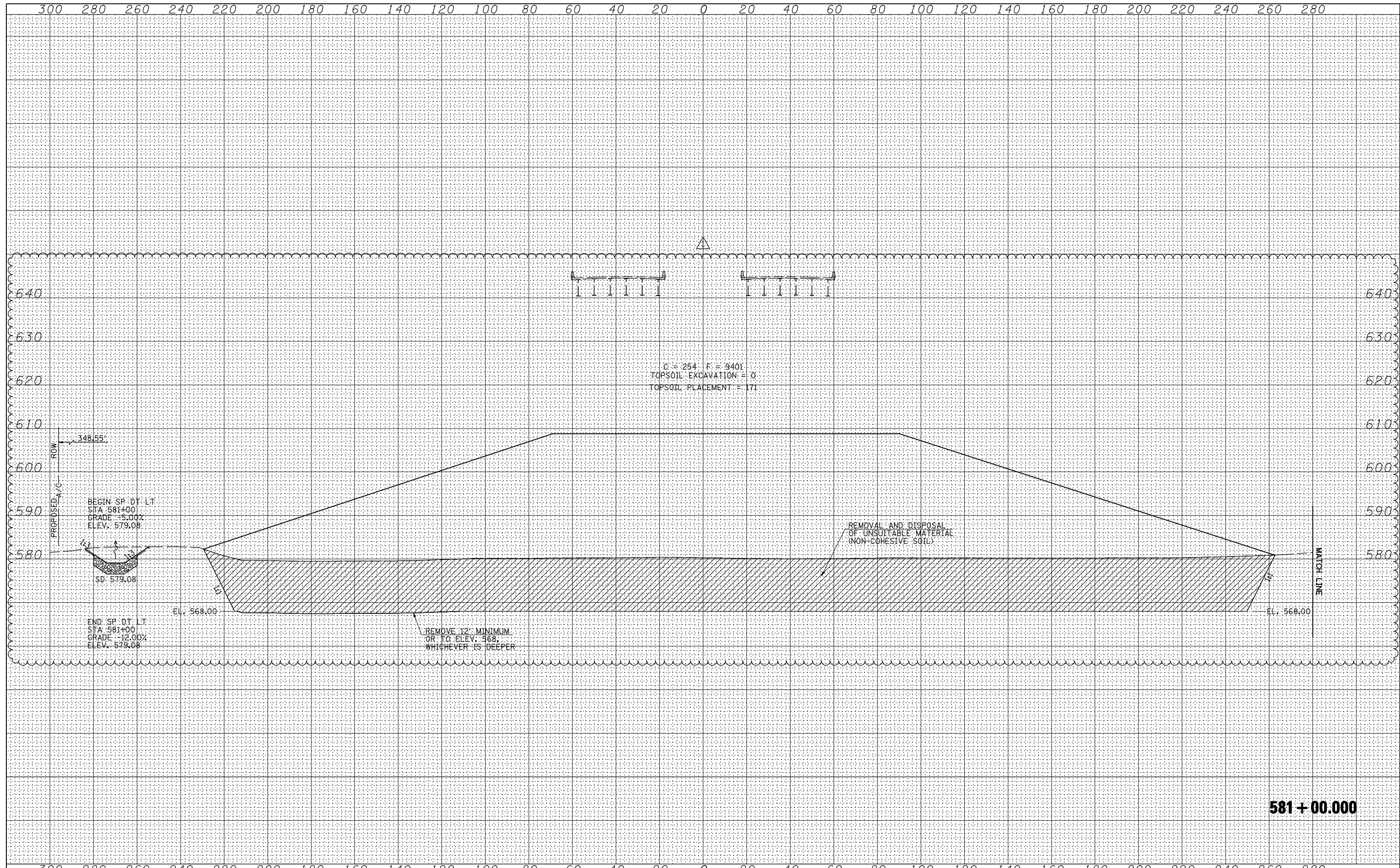
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		CHECKED - AWM	REVISED -
		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: $\frac{1}{2}''=20'$ H $\frac{1}{4}''=10'$ V	SHEET NO. 37 OF 176 SHEETS	STA. 580+00.000 TO STA. 580+00.000
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	367
			CONTRACT NO. 68A42	

**580+00.000
(RIGHT)**



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

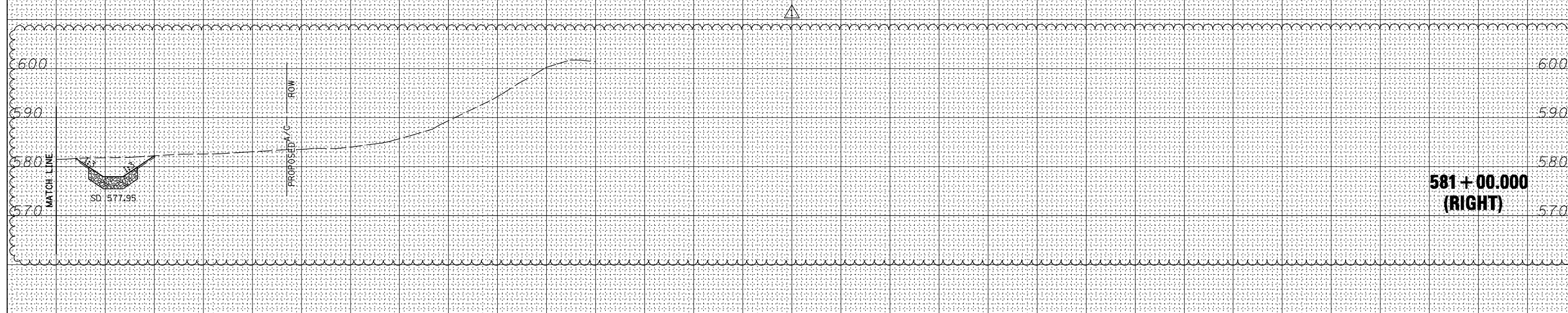
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va:\transportation\2891\grading plans\2891\sheet\20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	368	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 2/7/2013	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H, 1/8" = 10' V | SHEET NO. 38 OF 176 SHEETS | STA. 581+00.000 TO STA. 581+00.000

280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880

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

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ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED
NOTE BOOK	PLOTTED TEMPLATE



**581+00.000
(RIGHT)**

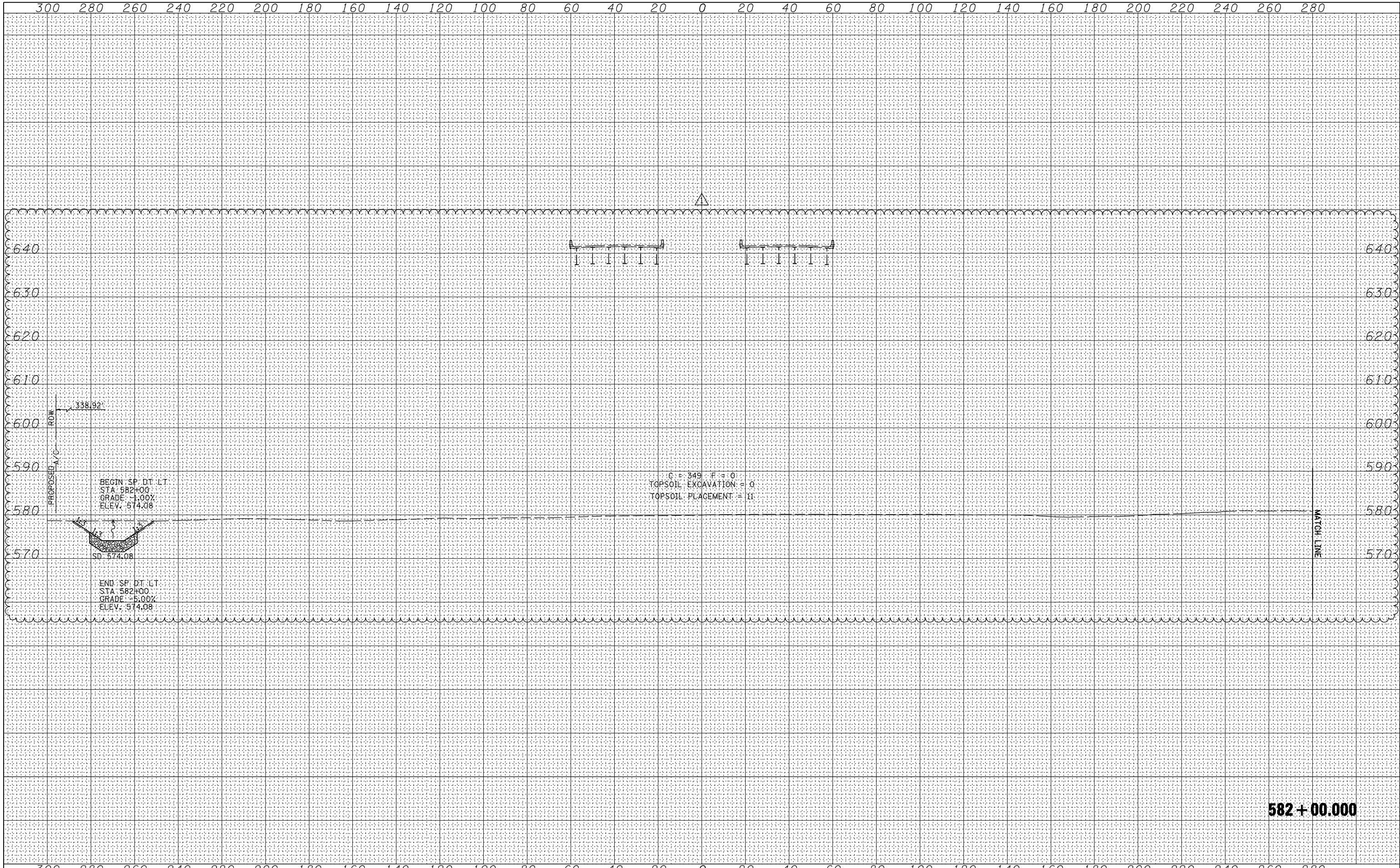
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED - 02/07/2013
		DRAWN - TJD	REVISED -
		CHECKED - AWM	REVISED -
		DATE - 12-12-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP ROUTE 407 (IL RTE 336)	
CROSS SECTIONS - MATCHLINE RT	
SCALE: 1/4"=20' H 1/4"=10' V	SHEET NO. 39 OF 176 SHEETS
STA. 581+00.000 TO STA. 581+00.000	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	369
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	



BY	DATE

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FILE NAME =
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USER NAME = jdean
 DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

REVISIED - 02/07/2013
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PLOT SCALE = 40.00' / IN.
 PLOT DATE = 2/7/2013

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS**

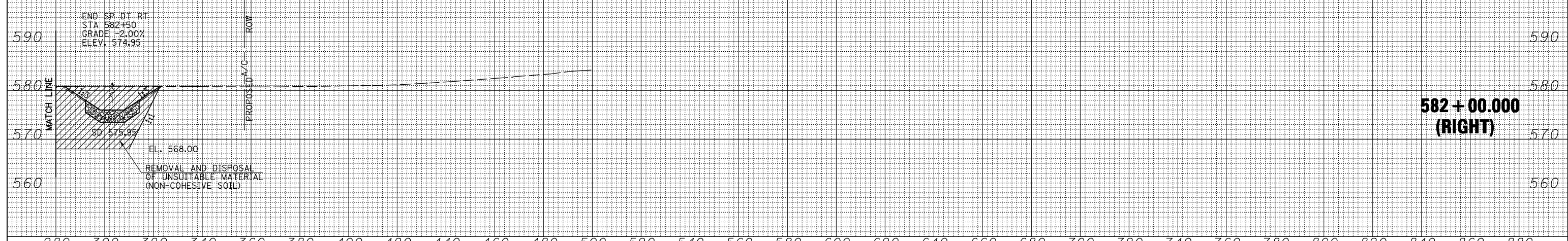
SCALE: $\frac{1"}{40'}$ H $\frac{1"}{10'}$ V
 SHEET NO. 40 OF 176 SHEETS STA. 582+00.000 TO STA. 582+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	370
			CONTRACT NO.	68A42
ILLINOIS FED. AID PROJECT				

280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880

DATE	BY	SURVEYED	PLOTTED
		NOTE BOOK	TEMPLATE
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DATE	BY	SURVEYED	PLOTTED
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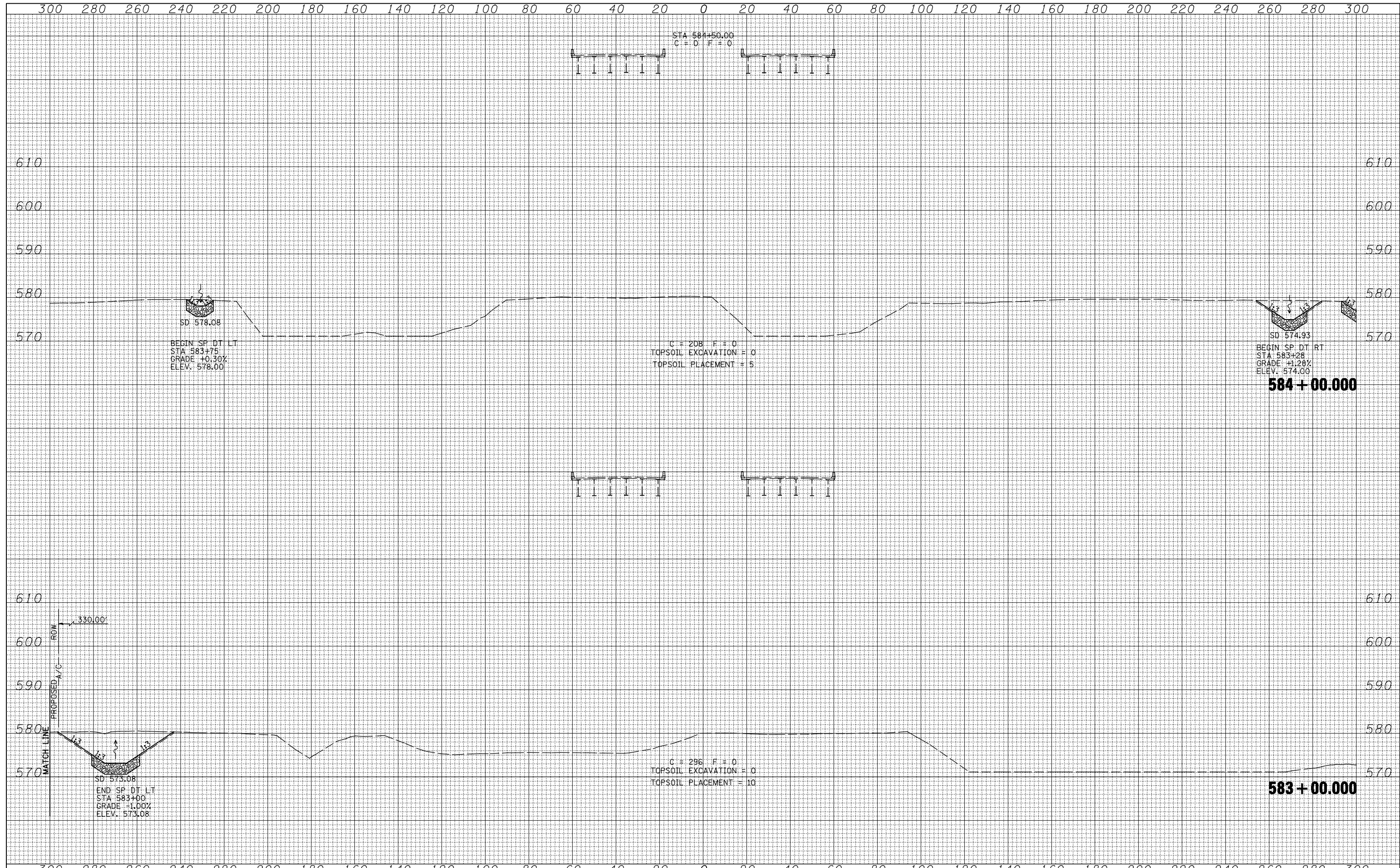
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V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn		DRAWN - TJD	REVISED -			407	(55-3)A	MCDONOUGH	671	371
PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -			CONTRACT NO. 68A42				
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -			ILLINOIS FED. AID PROJECT				

280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880

SCALE: 1/4" = 20' H, 1/8" = 10' V SHEET NO. 41 OF 176 SHEETS STA. 582+00.000 TO STA. 582+00.000

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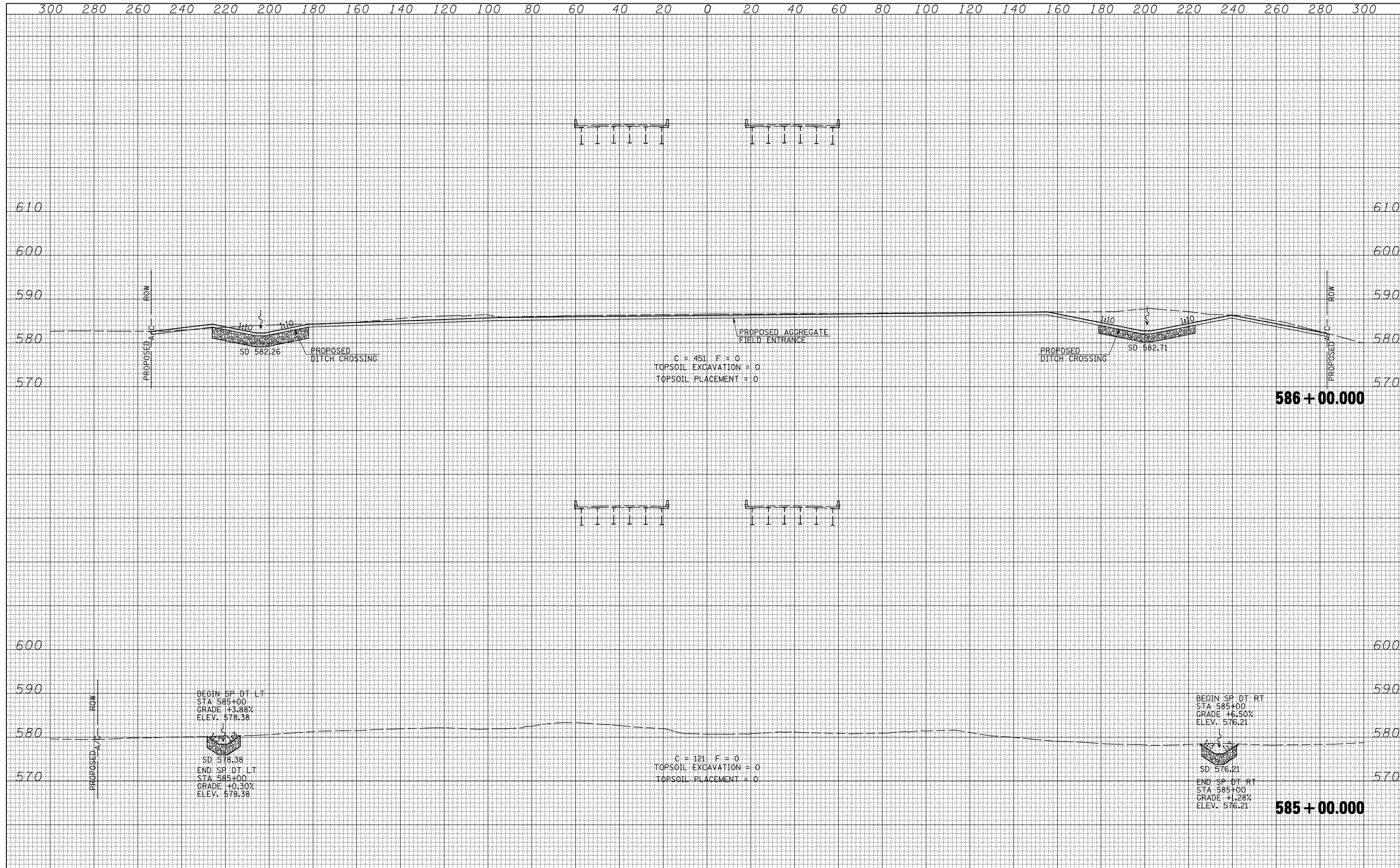


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V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	372	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
1/2" = 10' V
SHEET NO. 42 OF 176 SHEETS
STA. 583+00.000 TO STA. 584+00.000

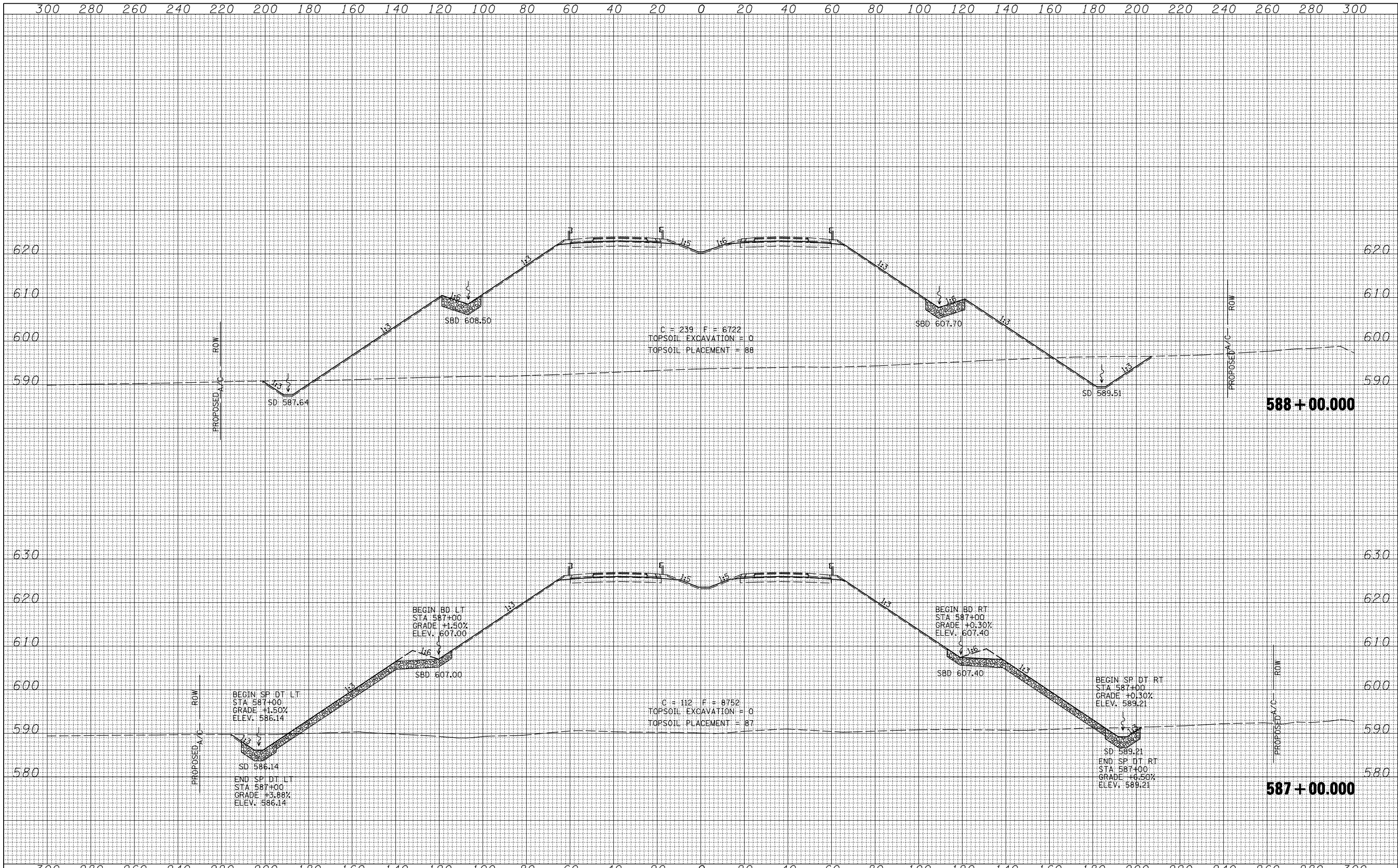
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -
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PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	
SCALE: $\frac{1"}{40'}$ H $\frac{1"}{10'}$ V		SHEET NO. 43 OF 176 SHEETS	STA. 585+00.000 TO STA. 586+00.000
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
407	(55-3)A	MCDONOUGH	671
		CONTRACT NO.	SHEET NO.
		68A42	373

ILLINOIS FED. AID PROJECT



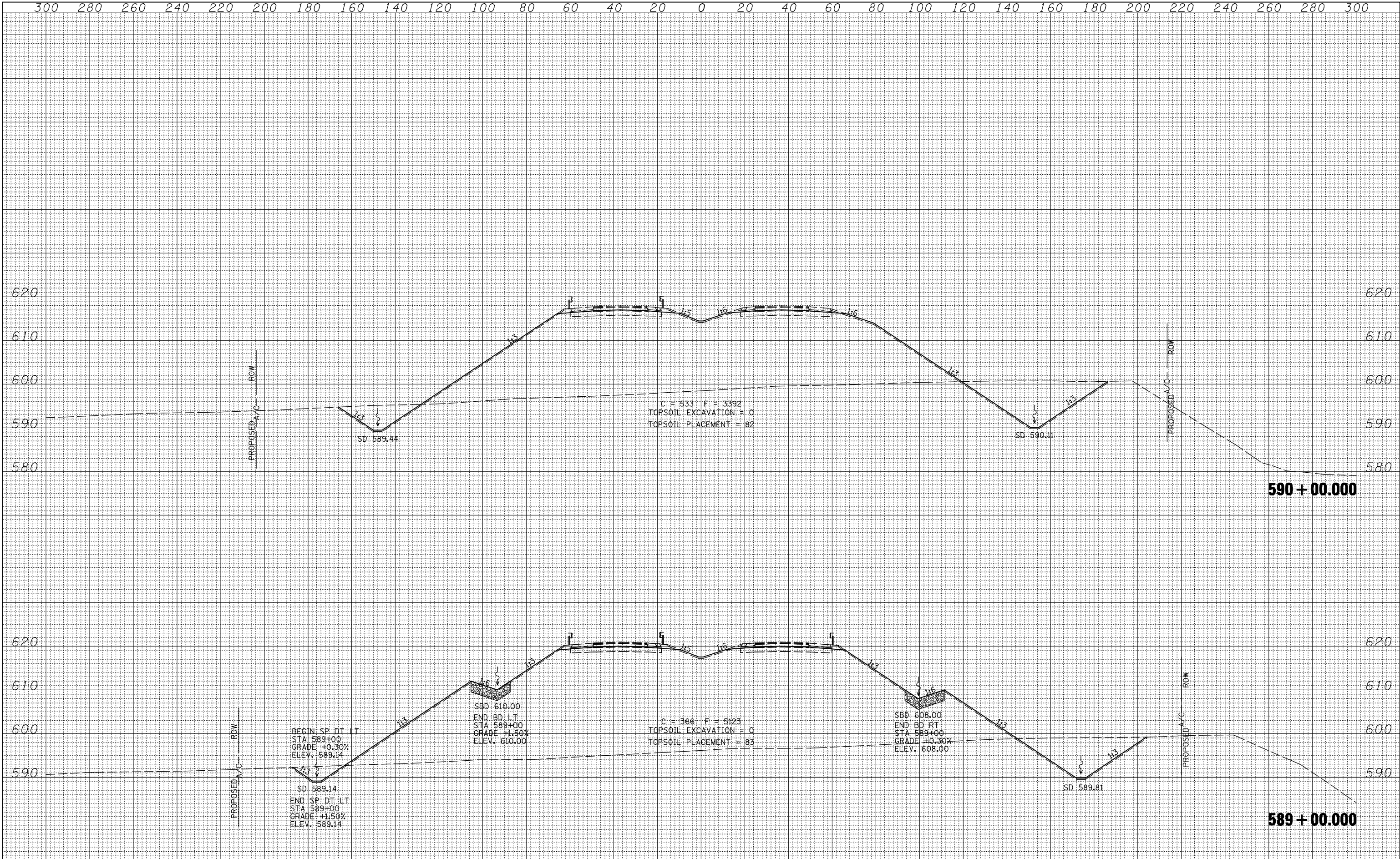
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	374	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1"=20' H, 1"=10' V				SHEET NO. 44 OF 176 SHEETS		STA. 587+00.000 TO STA. 588+00.000				

BY	DATE

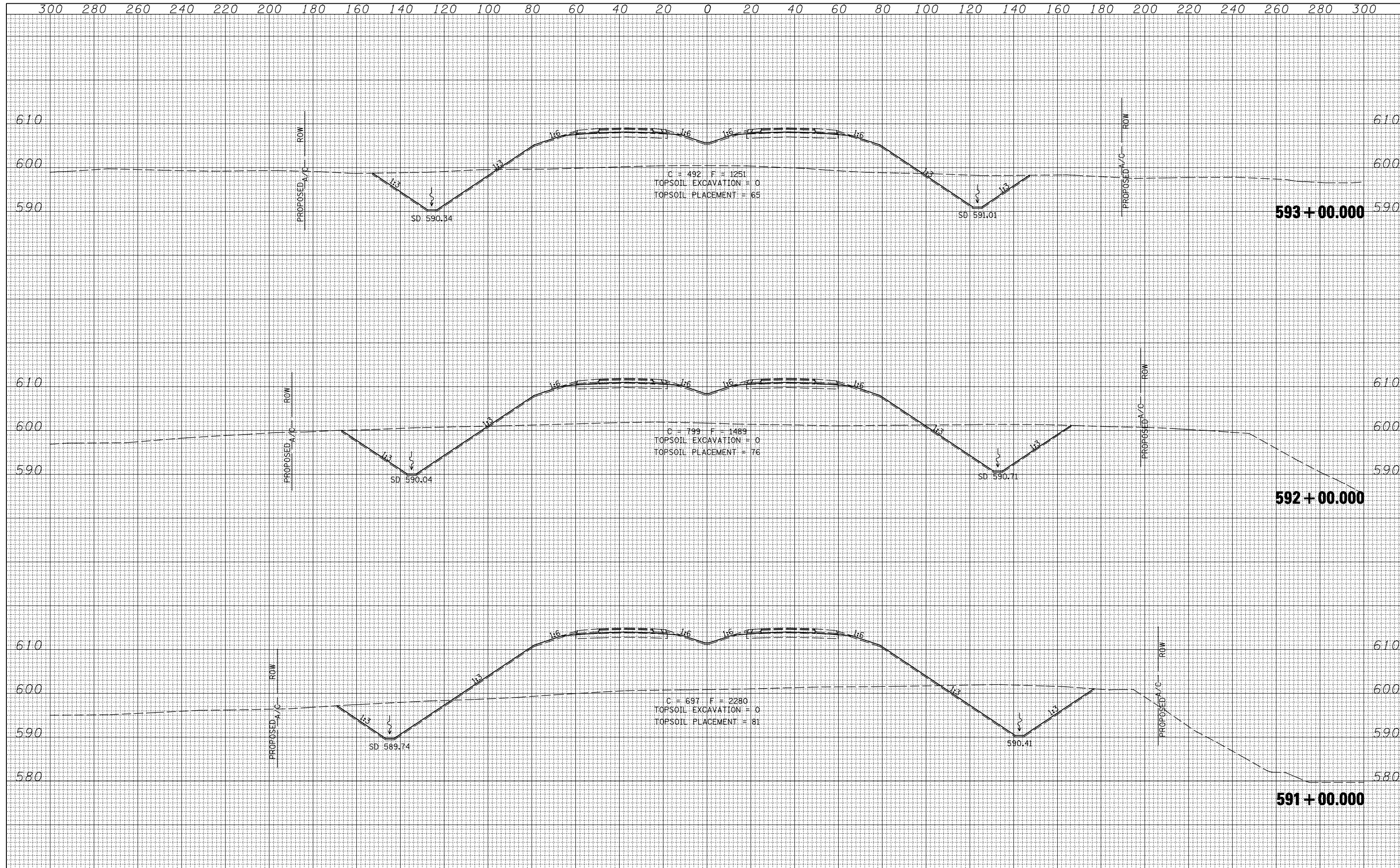
BY	DATE



FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn	DRAWN - TJD	REVISIONS -	407			(55-3)A	MCDONOUGH	671	375	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISIONS -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISIONS -	ILLINOIS FED. AID PROJECT							
				SCALE: 1/4" = 20' H, 1/8" = 10' V		SHEET NO. 45 OF 176 SHEETS		STA. 589+00.000 TO STA. 590+00.000		

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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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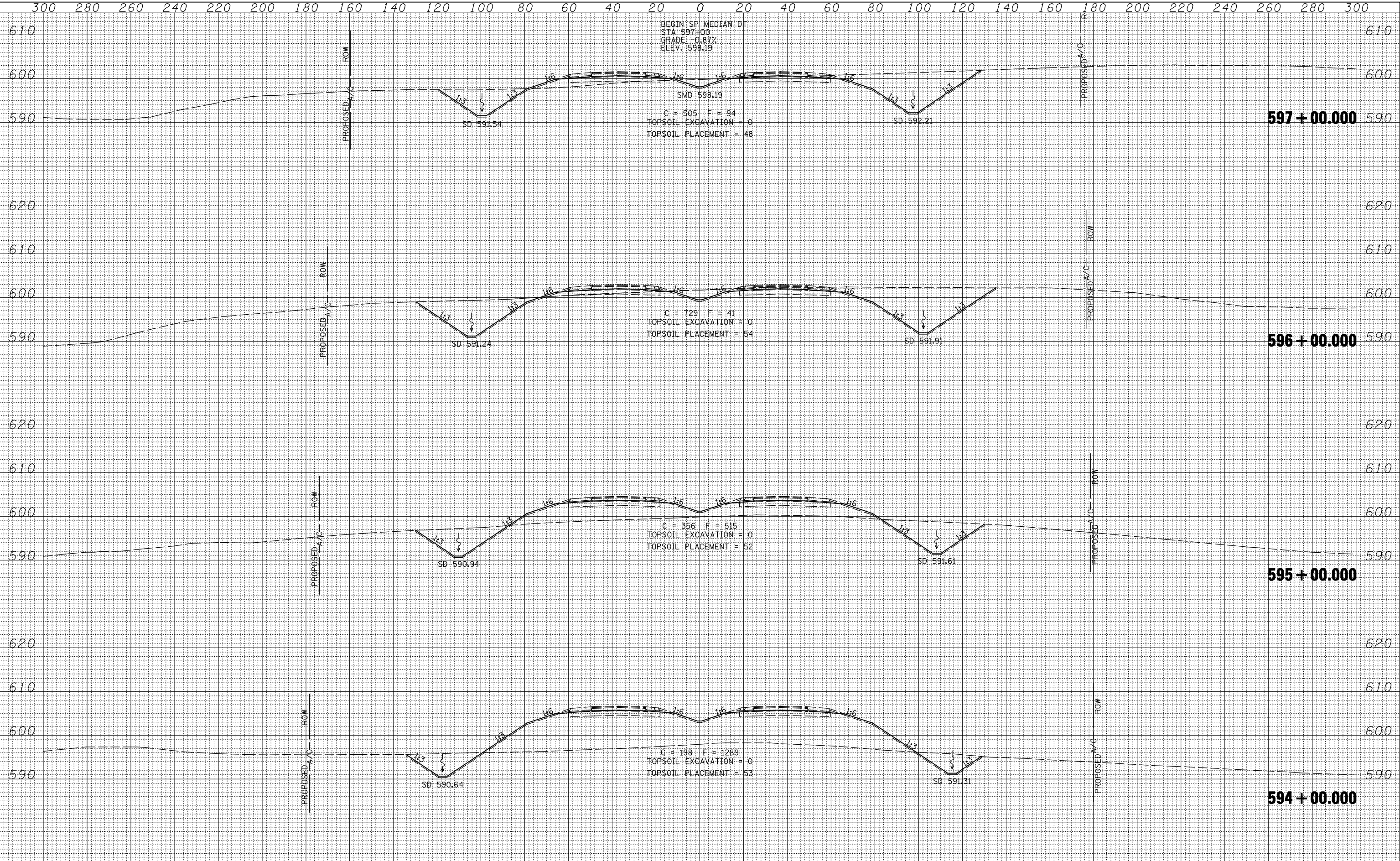


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	376	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H, 1/8" = 10' V
 SHEET NO. 46 OF 176 SHEETS
 STA. 591+00.000 TO STA. 593+00.000

BY	DATE

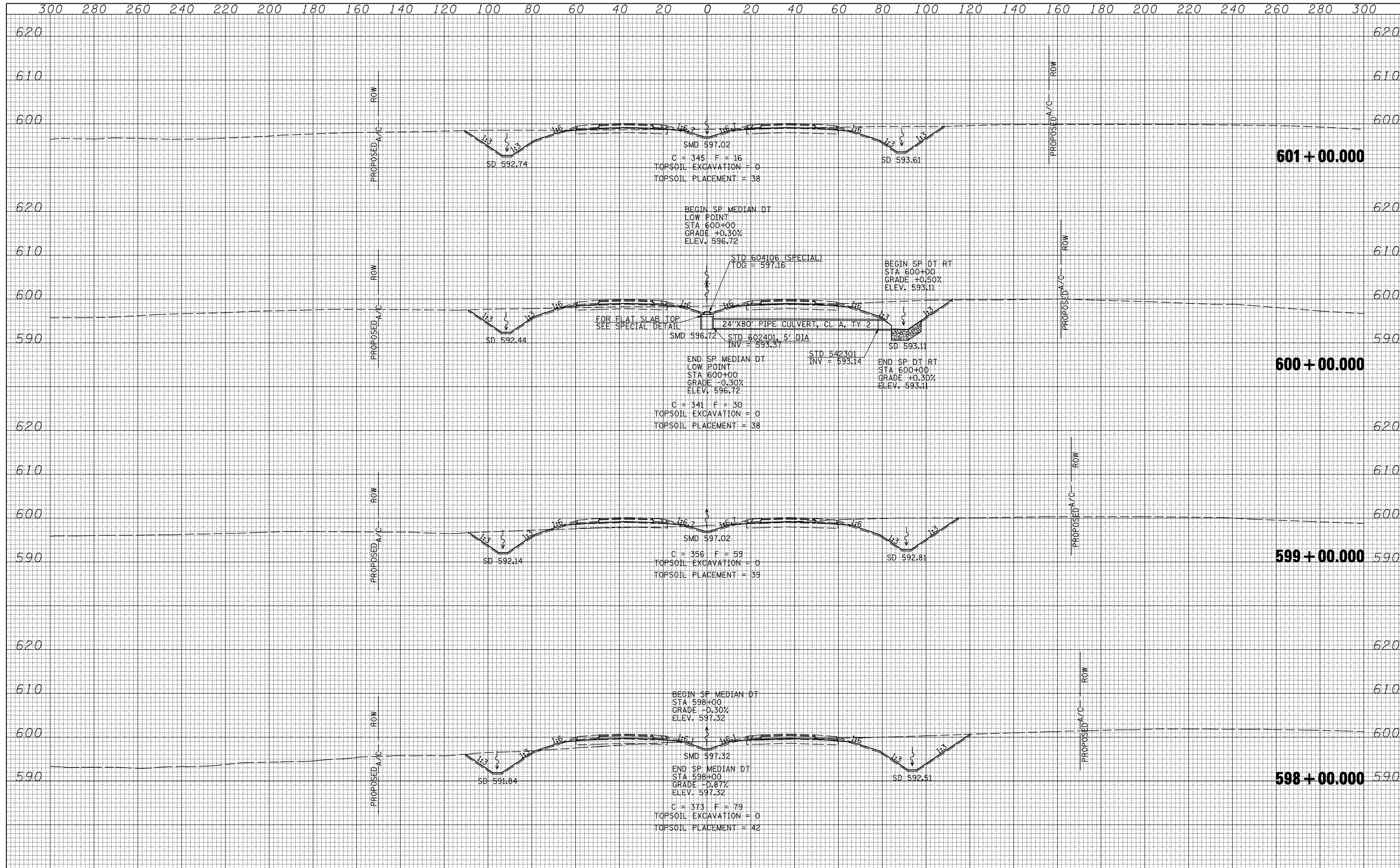
ORIGINAL SURVEY	SURVEYED	DATE



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PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISIED -	CONTRACT NO. 68A42						
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISIED -	ILLINOIS FED. AID PROJECT						

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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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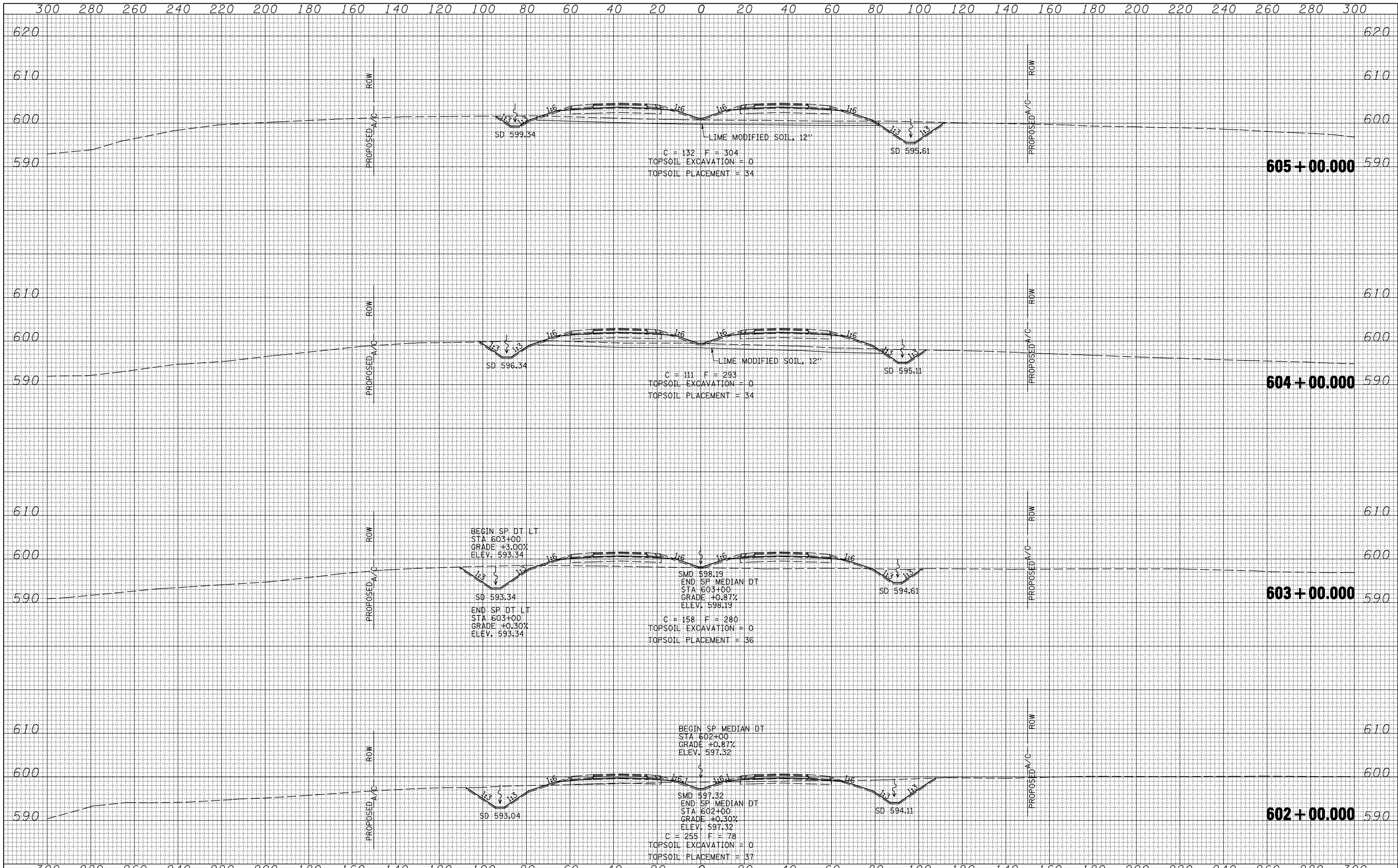
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	378	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

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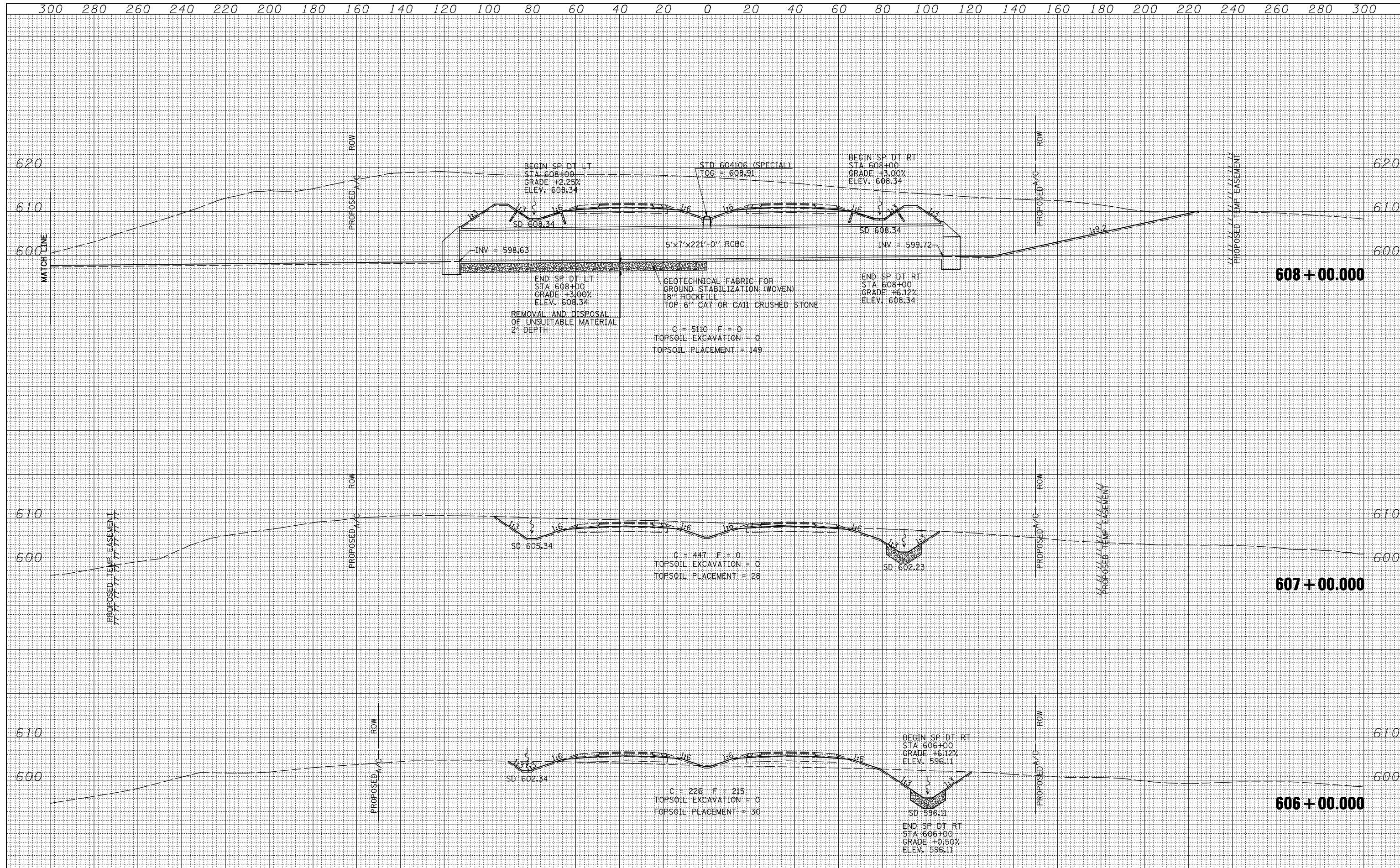


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	379	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 49 OF 176 SHEETS
 STA. 602+00.000 TO STA. 605+00.000

DATE	
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FINISHED SURVEY	
PLOTTED TEMPLATE	
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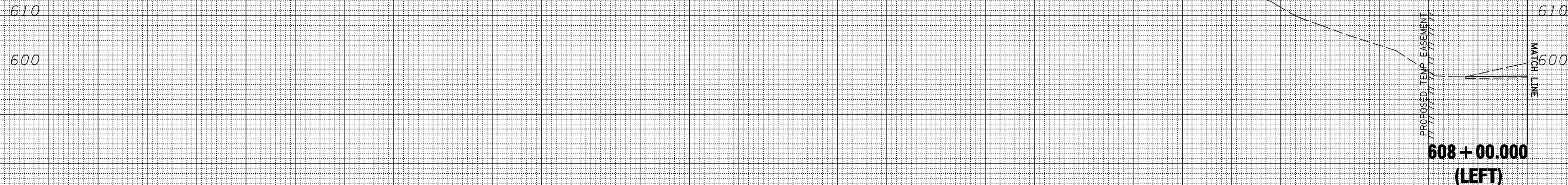


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets\20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	380	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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

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



900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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 PLOT DATE = 12/12/2012

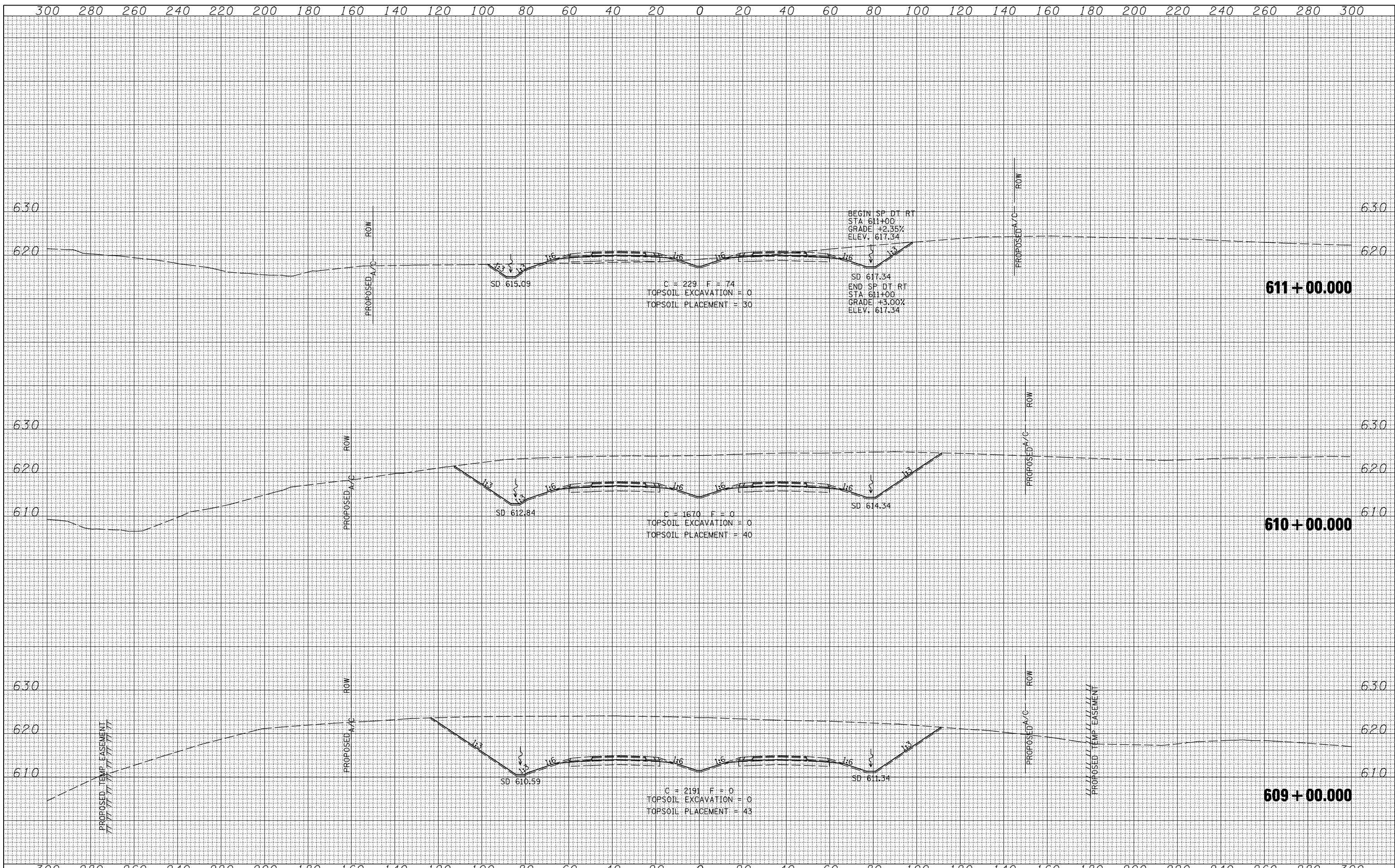
DESIGNED - JRB
 DRAWN - TJD
 CHECKED - AWM
 DATE - 12-12-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS - MATCHLINE LT**
 SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 51 OF 176 SHEETS STA. 608+00.000 TO STA. 608+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	381
CONTRACT NO. 68A42			ILLINOIS FED. AID PROJECT	



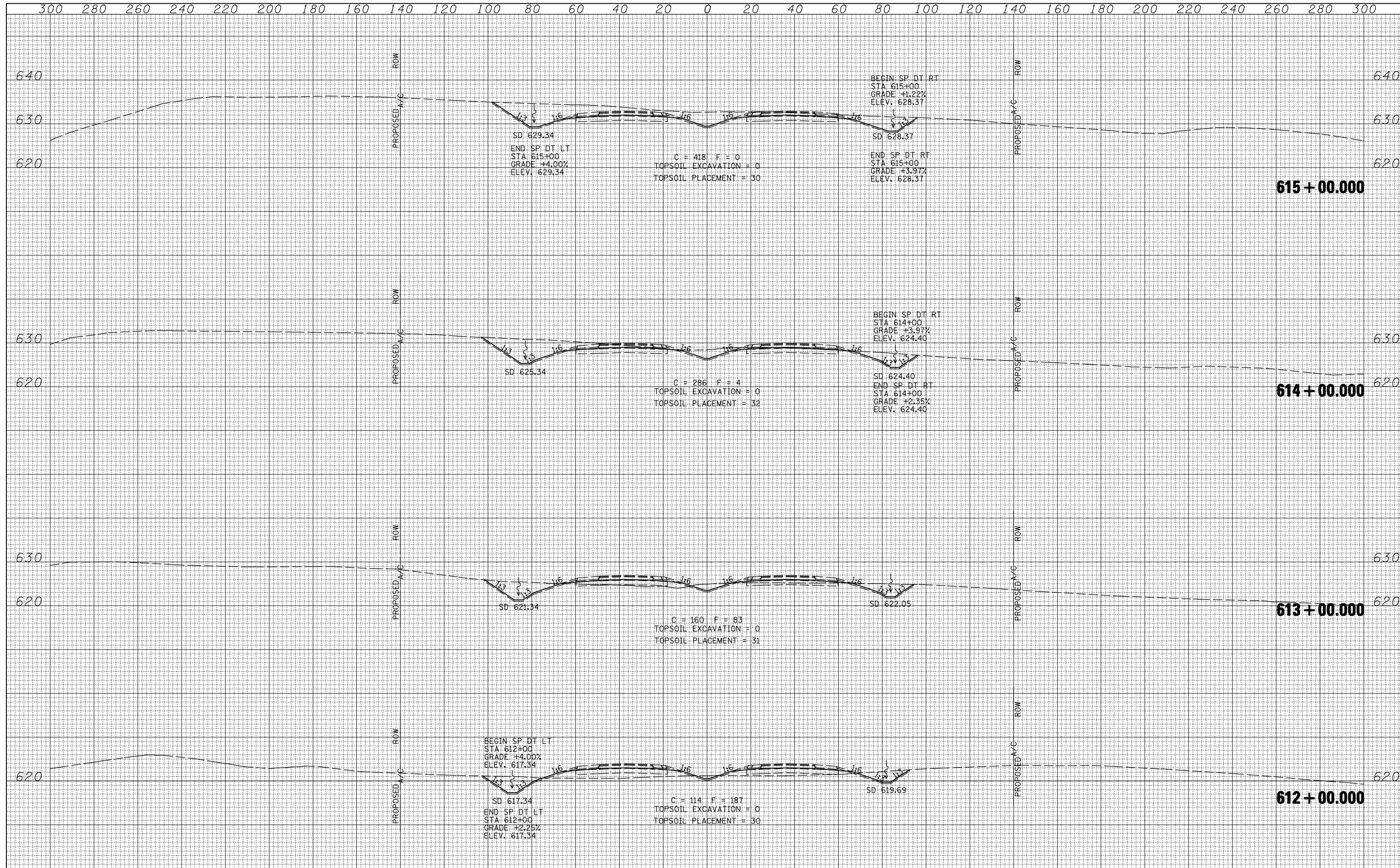
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE. 407	SECTION (55-3)A	COUNTY MCDONOUGH	TOTAL SHEETS 671	SHEET NO. 382
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	PLOT SCALE = 40.00' / IN.	DRAWN - TJD	REVISED -			CONTRACT NO. 68A42				
	PLOT DATE = 12/12/2012	CHECKED - AWM	REVISED -	SCALE: 1" = 20' H 1" = 10' V	SHEET NO. 52 OF 176 SHEETS	STA. 609+00.000 TO STA. 611+00.000	ILLINOIS FED. AID PROJECT			

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

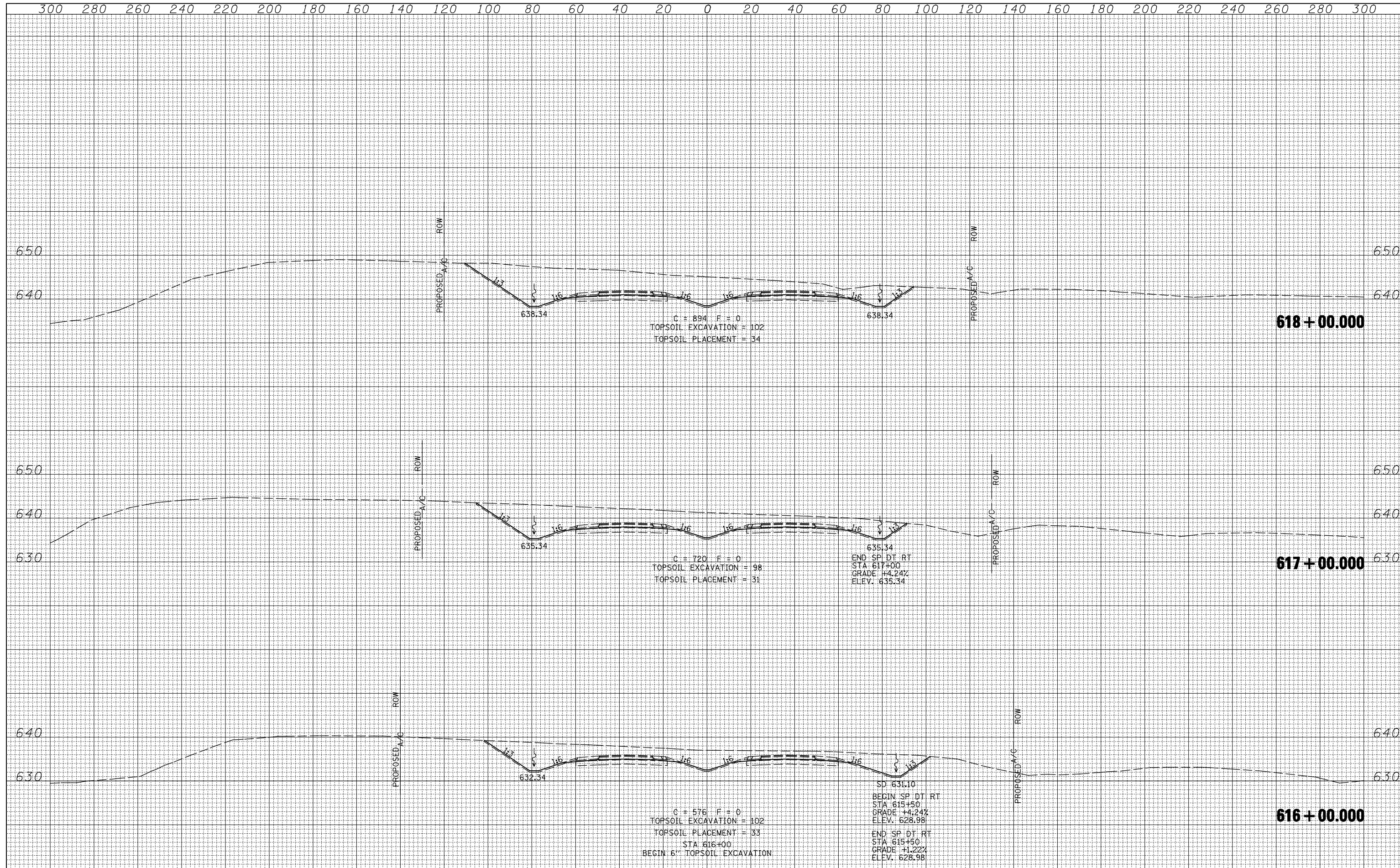


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	383	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1"=20' H, 1"=10' V | SHEET NO. 53 OF 176 SHEETS | STA. 612+00.000 TO STA. 615+00.000

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NOTE BOOK	
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NOTE BOOK	
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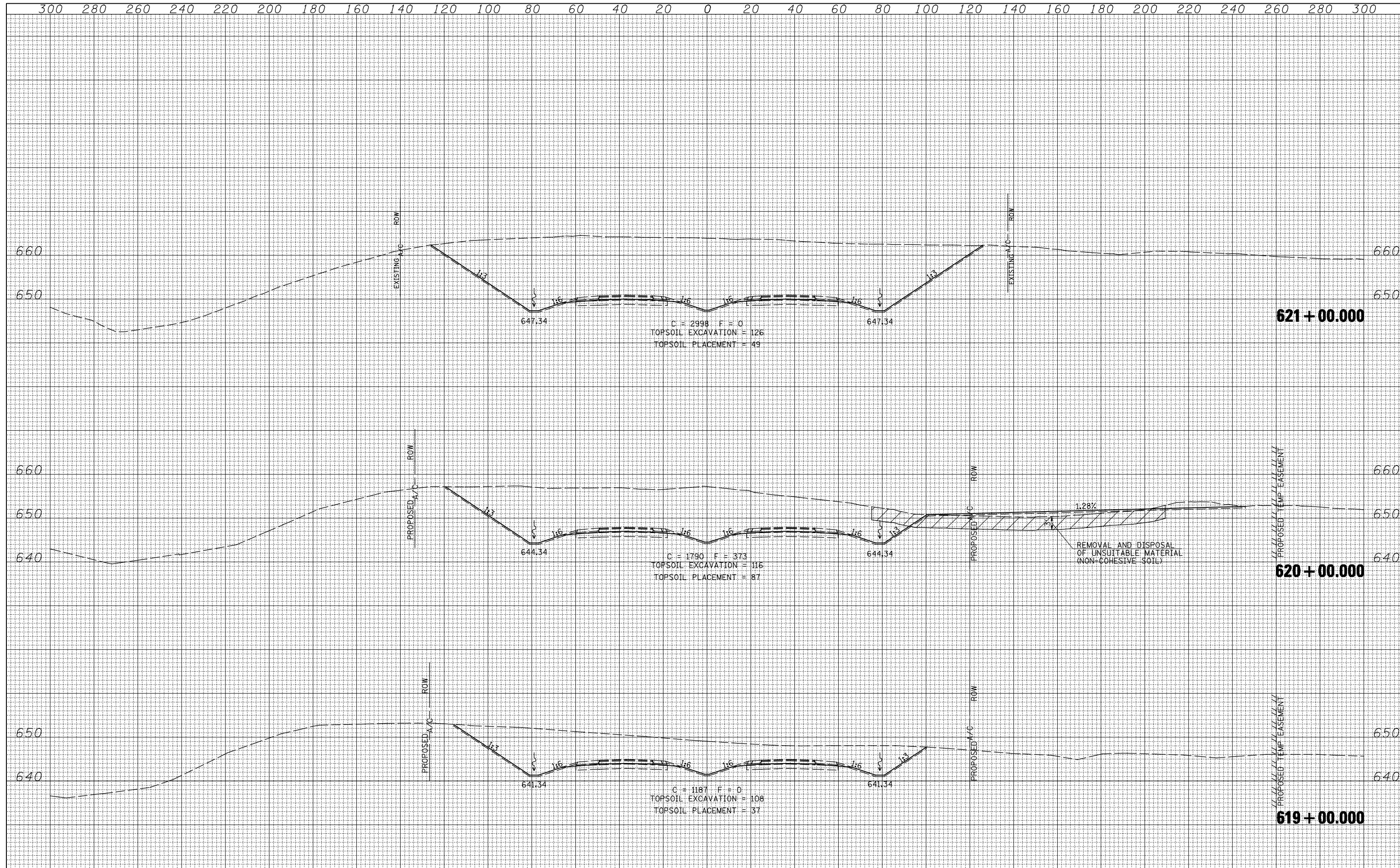


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	384	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
 1/8" = 10' V
 SHEET NO. 54 OF 176 SHEETS
 STA. 616+00.000 TO STA. 618+00.000

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

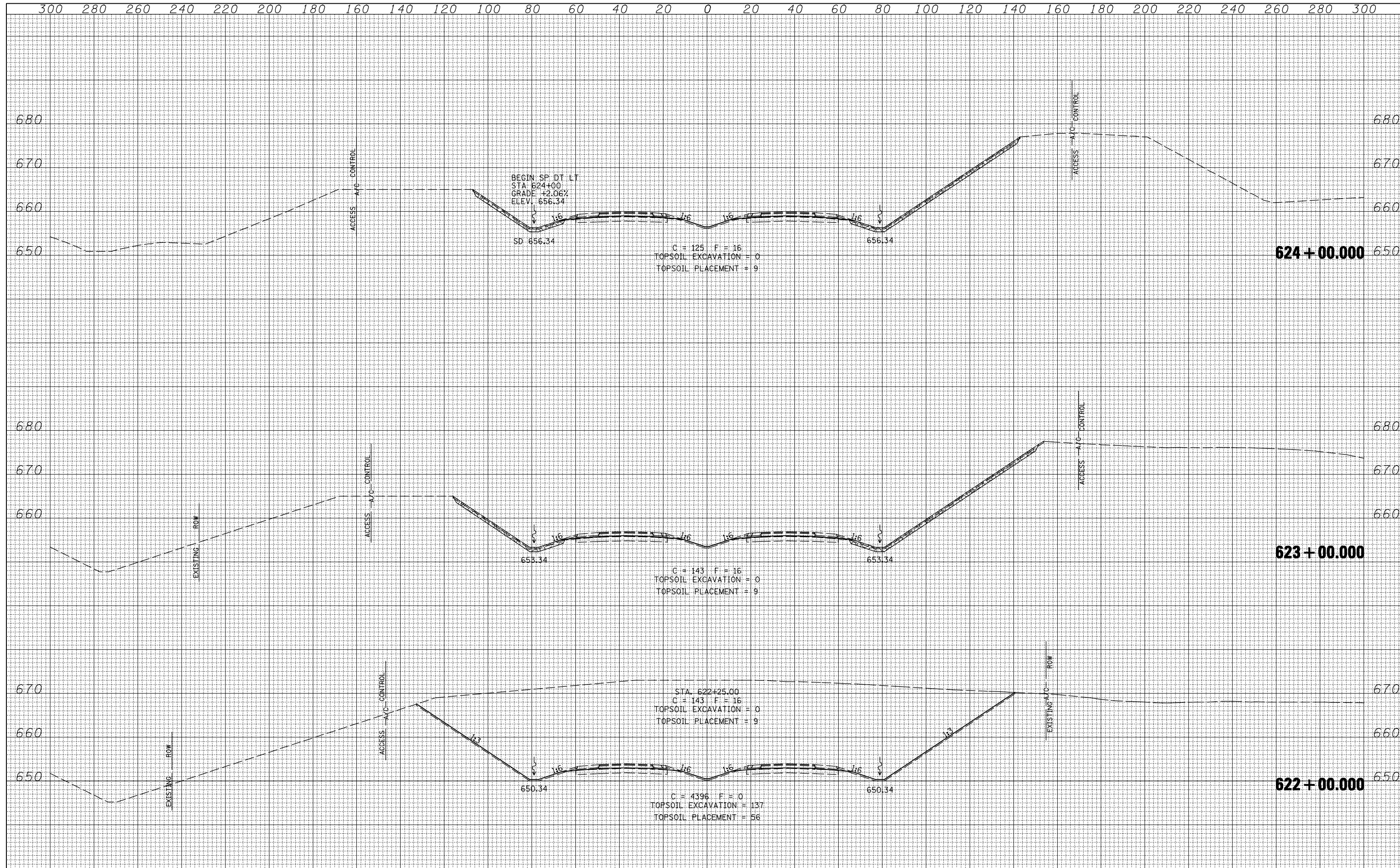
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	385	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE: 1"=20' H 1"=10' V	SHEET NO. 55 OF 176 SHEETS		STA. 619+00.000 TO STA. 621+00.000		

DATE	
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FINISHED SURVEY	
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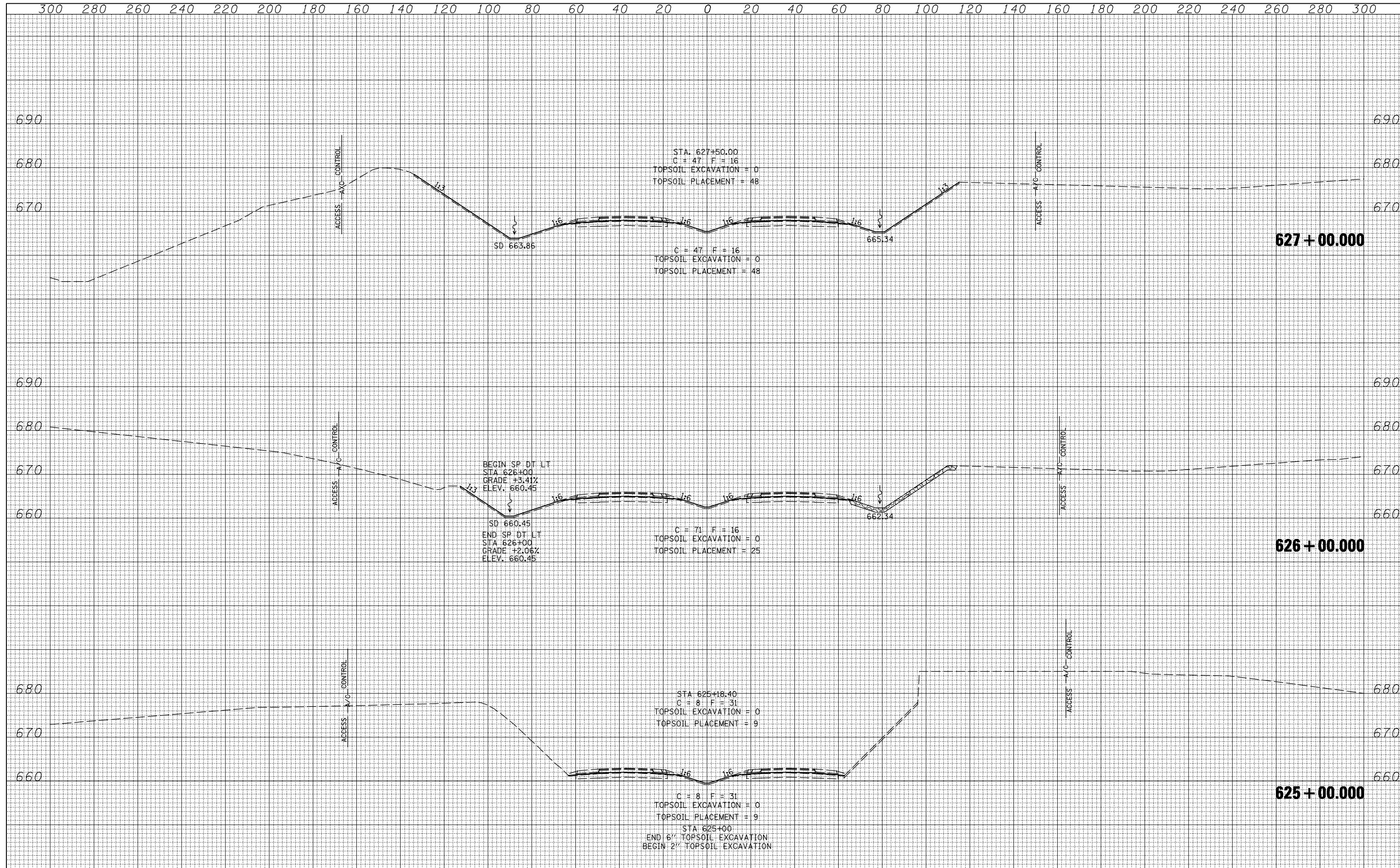


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	386	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H
1/8" = 10' V
SHEET NO. 56 OF 176 SHEETS
STA. 622+00.000 TO STA. 624+00.000

DATE	
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SURVEYED	
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AREAS CHECKED	
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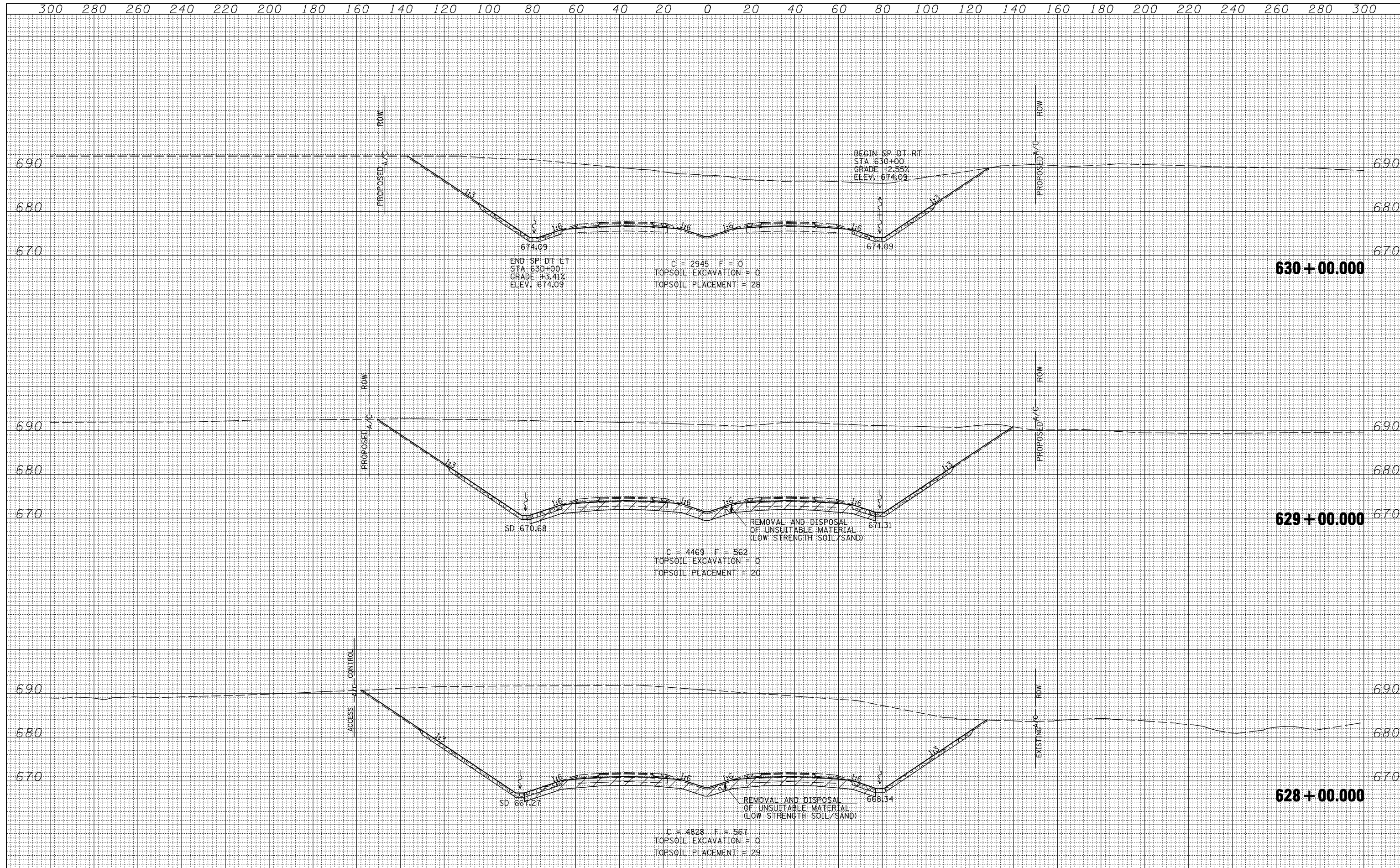


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	387	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1" = 20' H
 1" = 10' V
 SHEET NO. 57 OF 176 SHEETS
 STA. 625+00.000 TO STA. 627+00.000

DATE	
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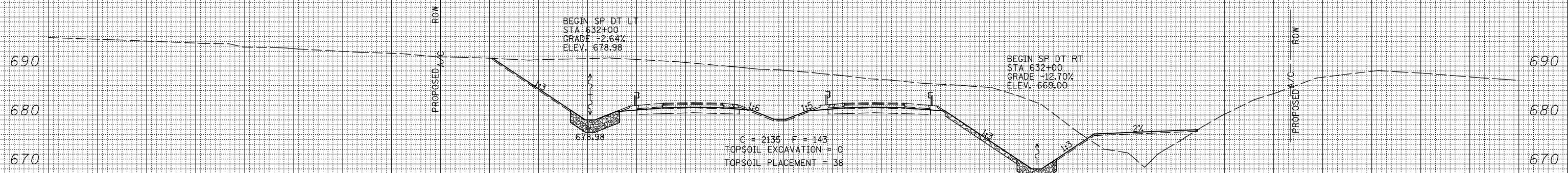


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	388	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE: 1/4" = 20' H 1/4" = 10' V	SHEET NO. 58 OF 176 SHEETS		STA. 628+00.000 TO STA. 630+00.000		

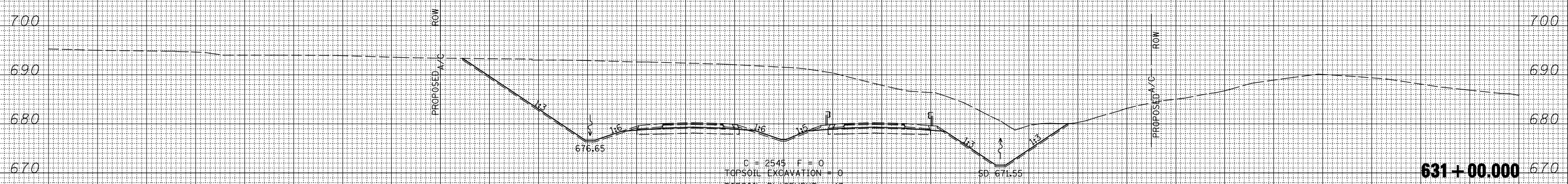
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FINAL SURVEY	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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632 + 00.000



631 + 00.000

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 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
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 CHECKED - AWM
 DATE - 12-12-12

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS

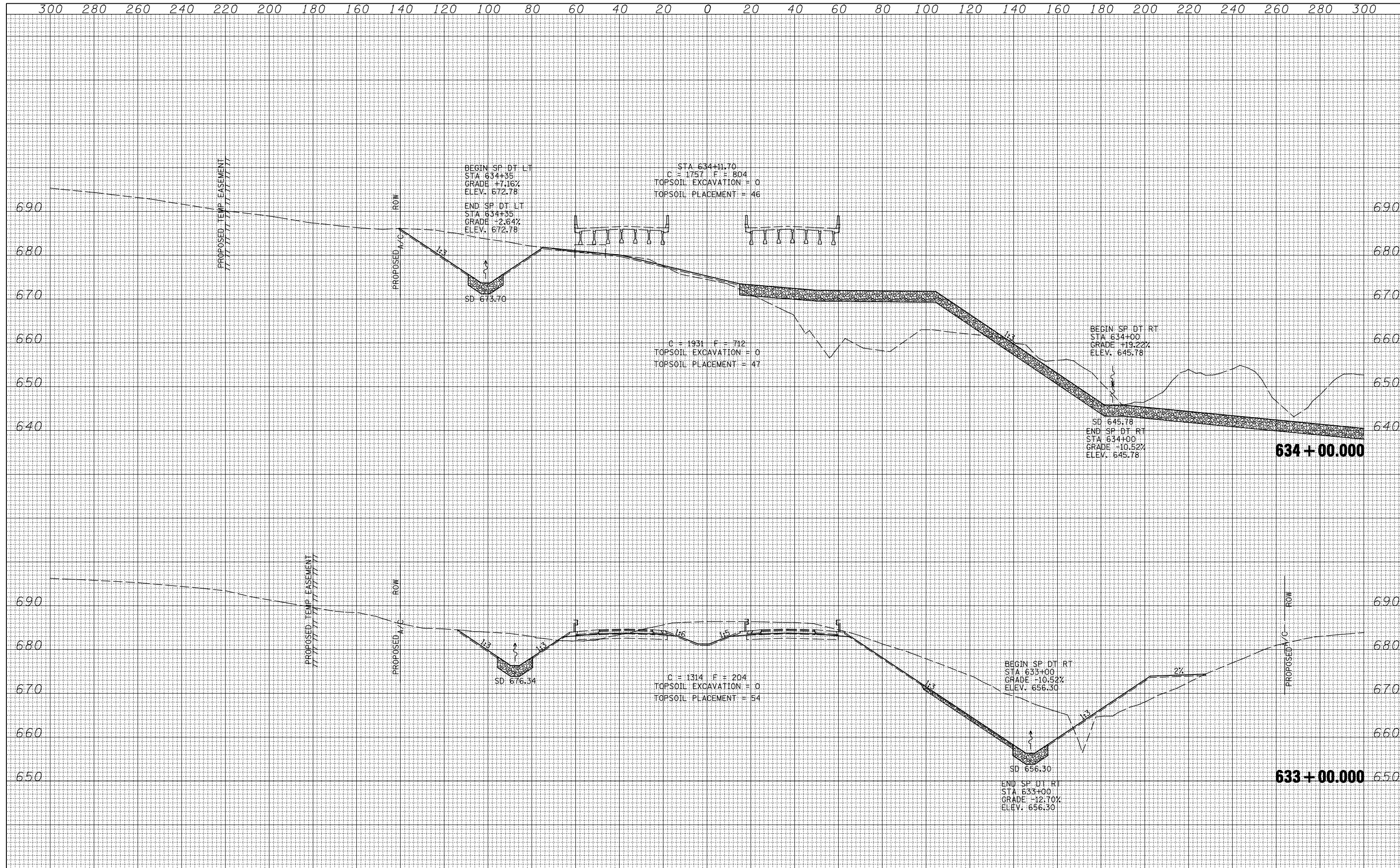
SCALE: 1"=20' H
 1"=10' V
 SHEET NO. 59 OF 176 SHEETS
 STA. 631+00.000 TO STA. 632+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	389
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

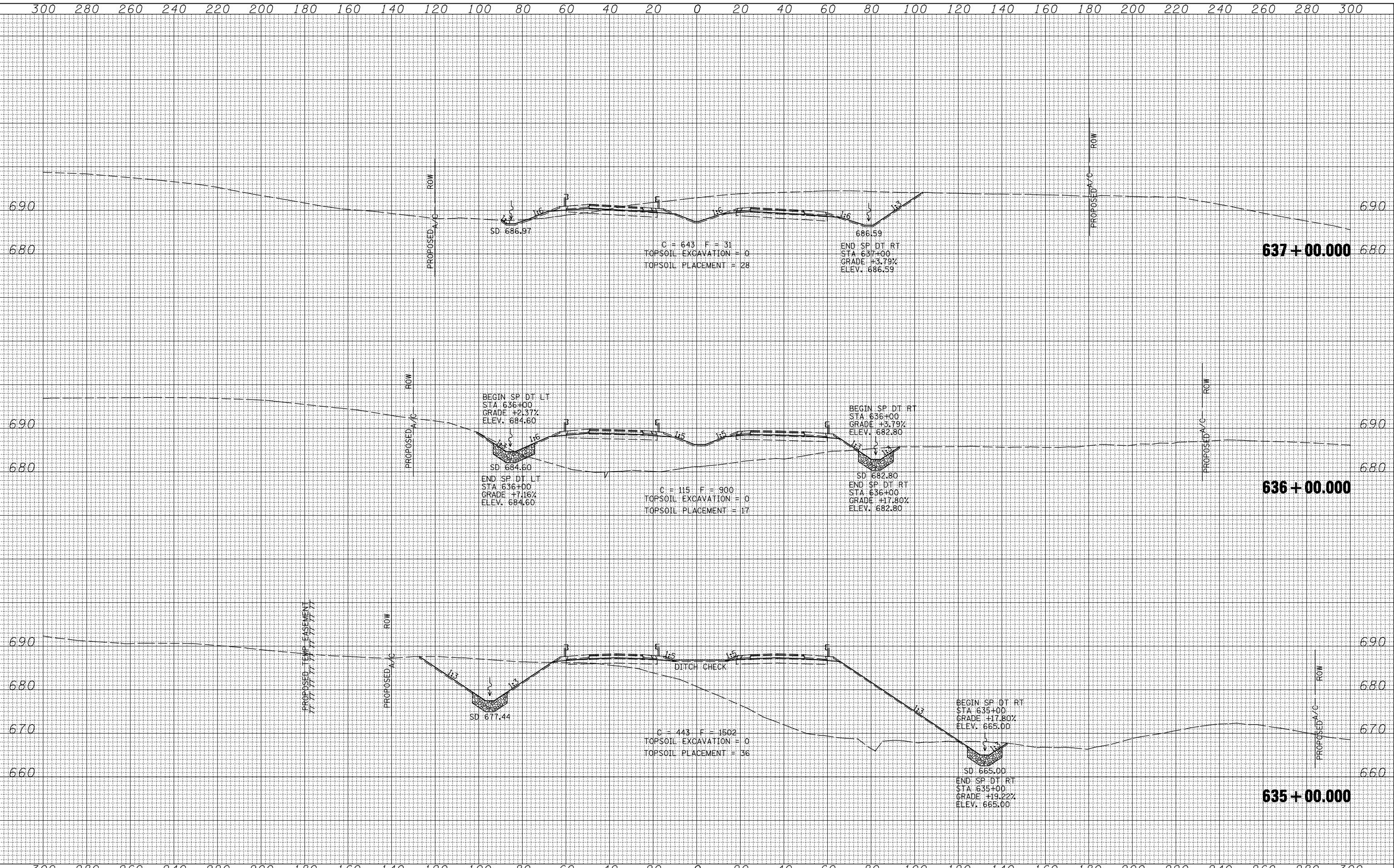
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AREAS CHECKED	
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	390	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: 1/4" = 20' H, 1/8" = 10' V
 SHEET NO. 60 OF 176 SHEETS
 STA. 633+00.000 TO STA. 634+00.000



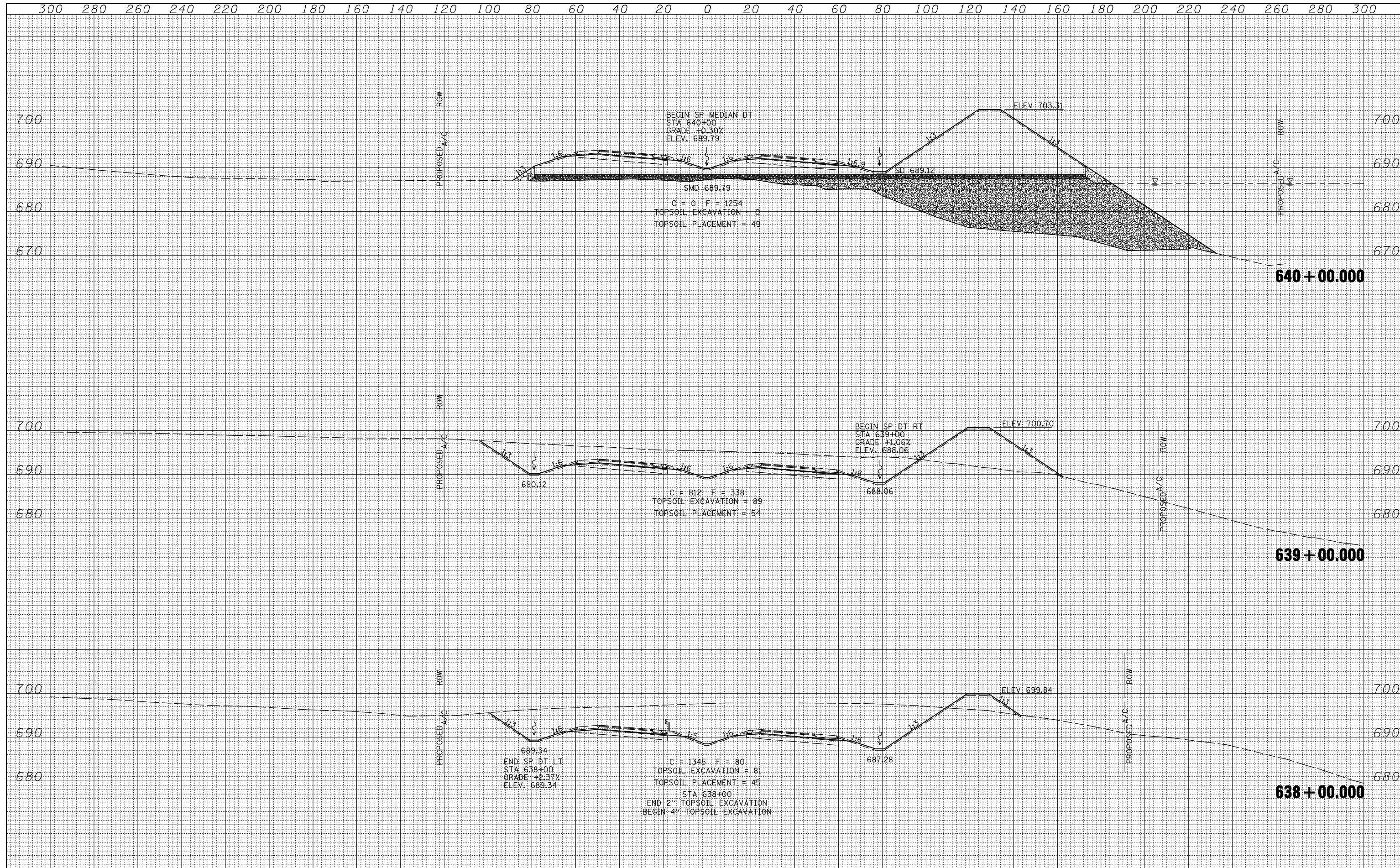
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ORIGINAL SURVEY	
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FINISHED SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	SECTION 407 (55-3)A	COUNTY MCDONOUGH	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	671					391	
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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT						
					SCALE: 1"=20' H 1"=10' V	SHEET NO. 61 OF 176 SHEETS		STA. 635+00.000 TO STA. 637+00.000	

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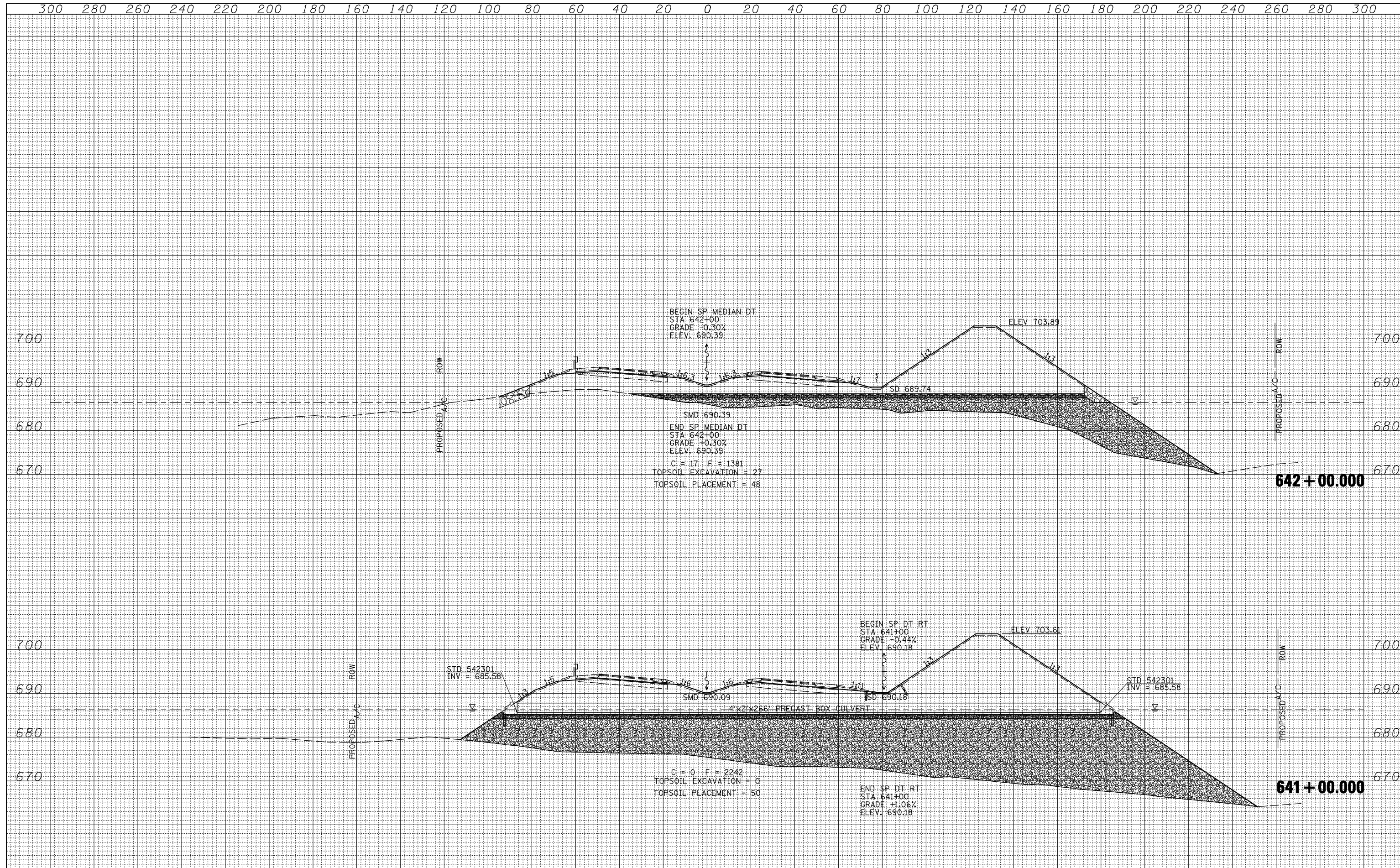
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	392	
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PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE: 1/4"=20' H 1/8"=10' V	SHEET NO. 62 OF 176 SHEETS		STA. 638+00.000 TO STA. 640+00.000		

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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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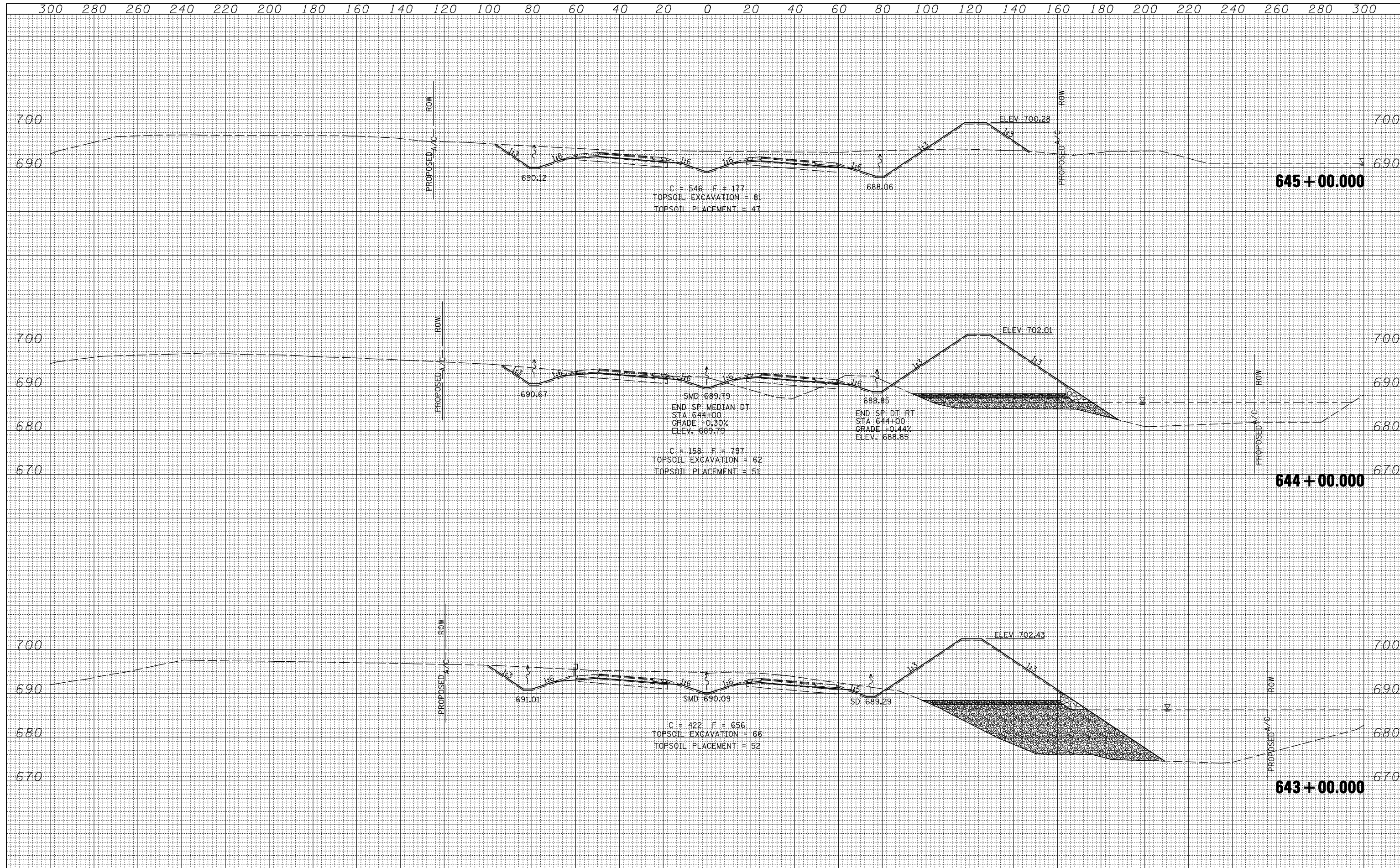
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	393	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1"=20' H, 1"=10' V				SHEET NO. 63 OF 176 SHEETS		STA. 641+00.000 TO STA. 642+00.000				

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BY	
FINL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

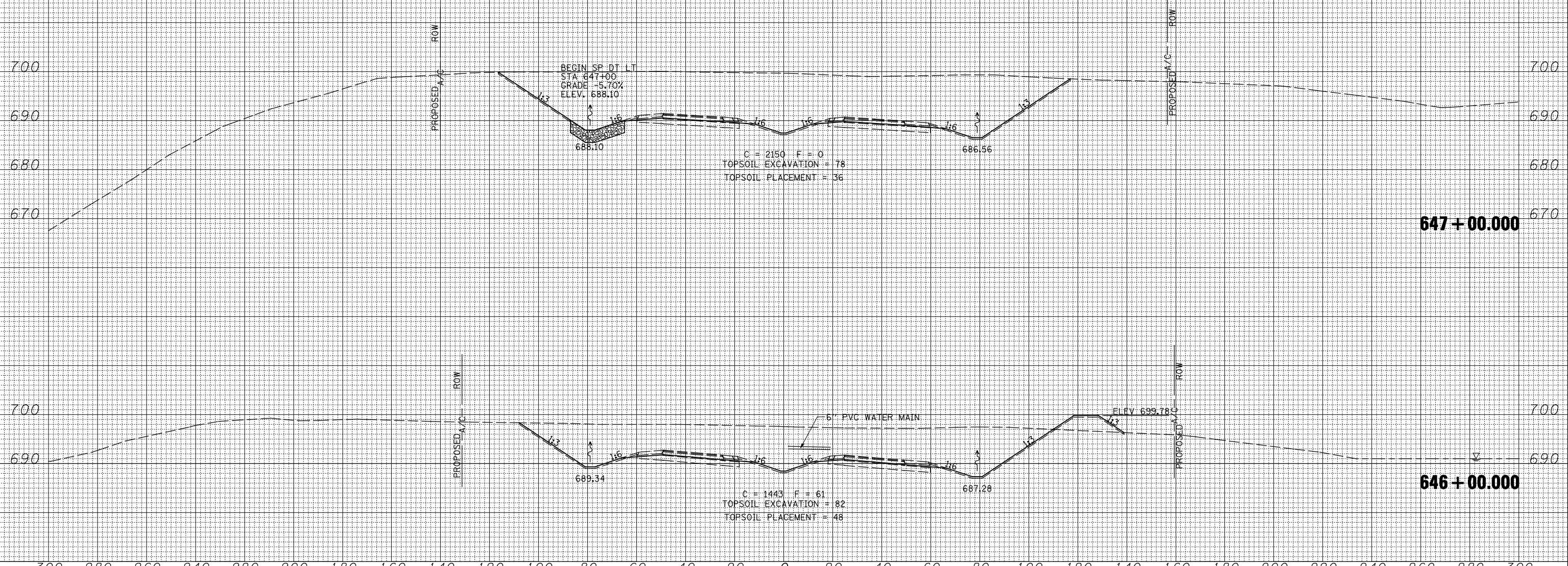


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	394	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1/4" = 20' H, 1/8" = 10' V					SHEET NO. 64 OF 176 SHEETS		STA. 643+00.000 TO STA. 645+00.000			

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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AREAS CHECKED	
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USER NAME = jdeen
 PLOT SCALE = 40.00' / IN.
 PLOT DATE = 12/12/2012

DESIGNED - JRB
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 CHECKED - AWM
 DATE - 12-12-12

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 407 (IL RTE 336)
 CROSS SECTIONS**

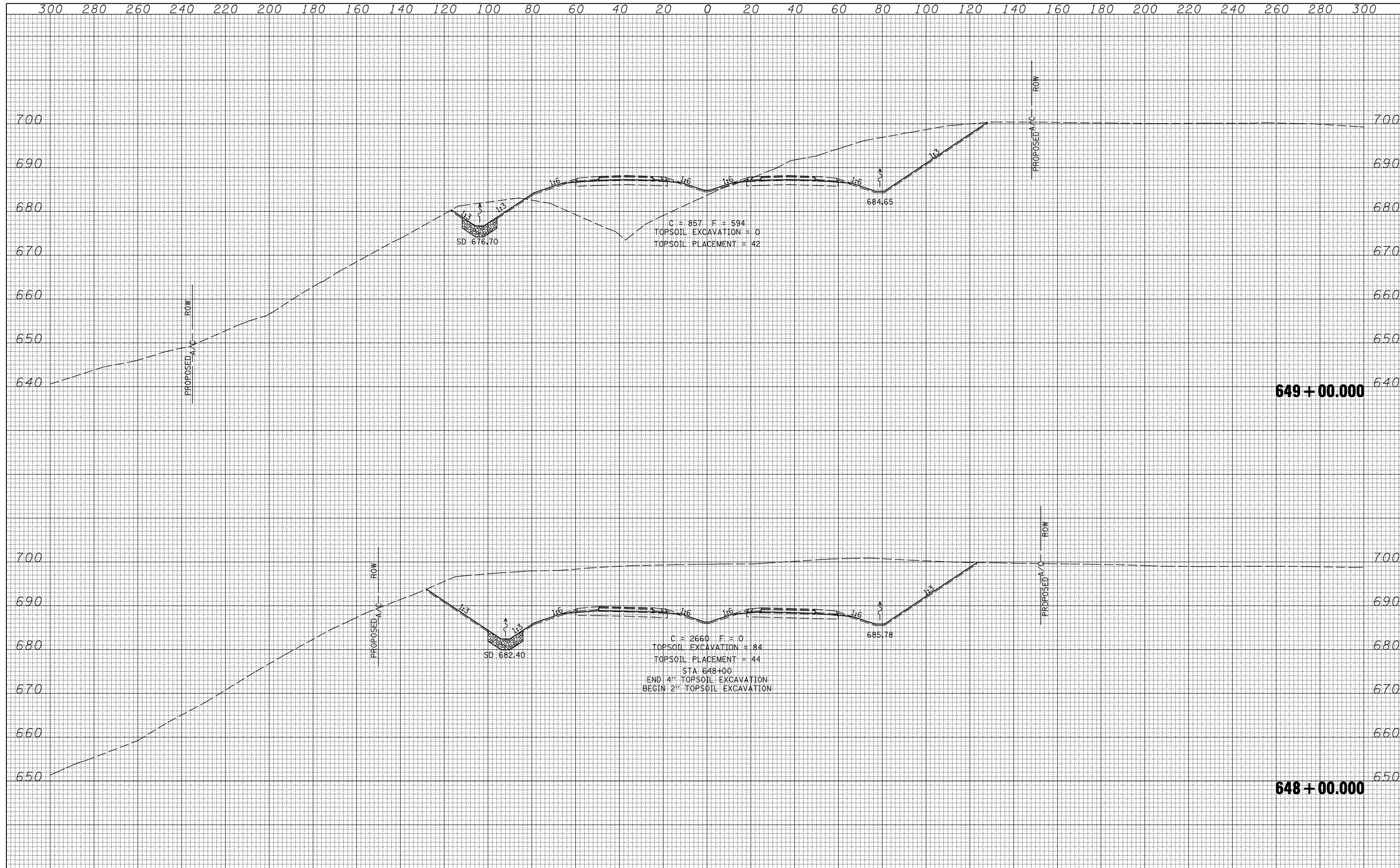
SCALE: 1/4" = 20' H
 1/4" = 10' V
 SHEET NO. 65 OF 176 SHEETS
 STA. 646+00.000 TO STA. 647+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	395
			CONTRACT NO. 68A42	

ILLINOIS FED. AID PROJECT

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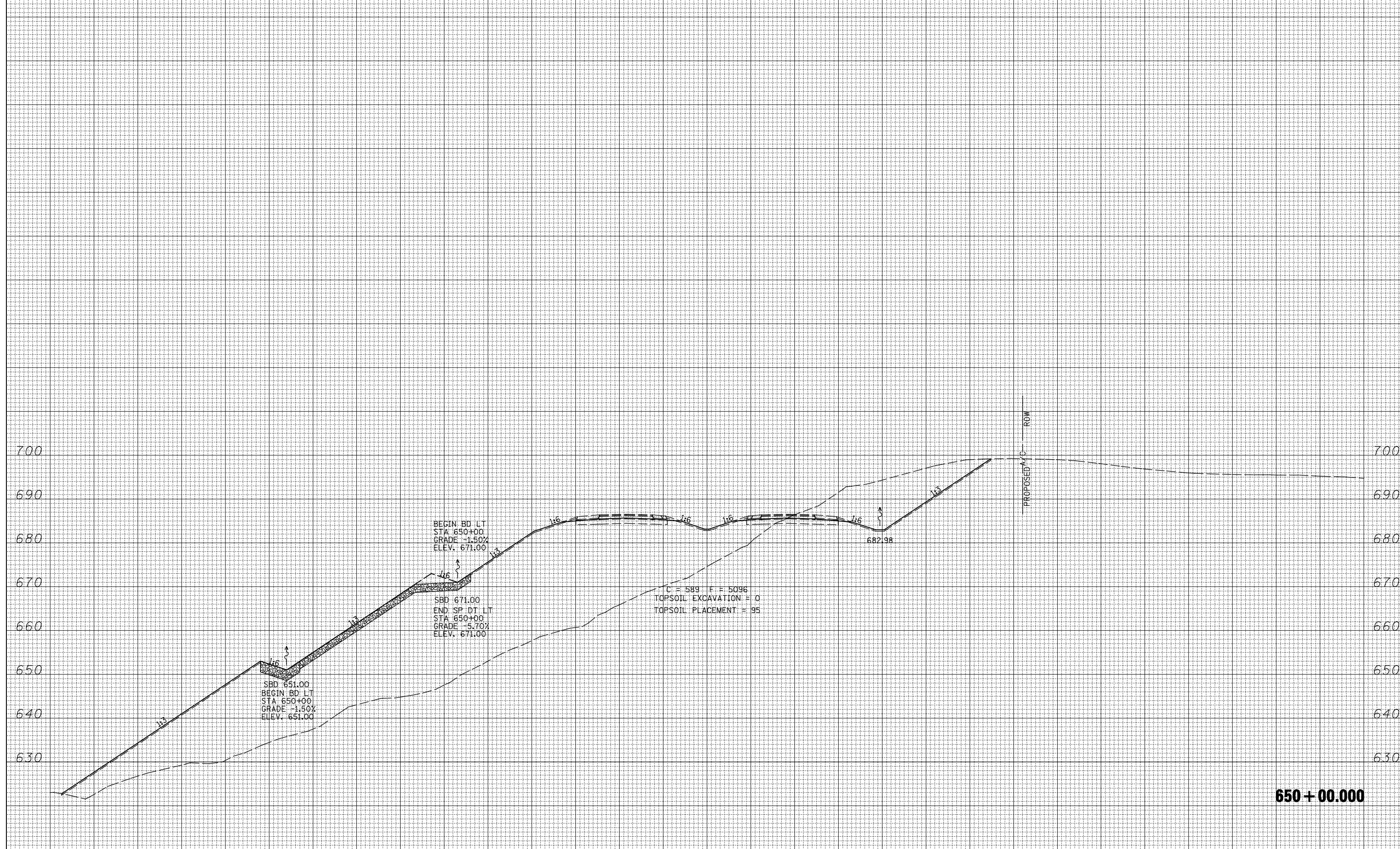


FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20\SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	396	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE: 1/4" = 20' H	SHEET NO. 66 OF 176 SHEETS		STA. 648+00.000 TO STA. 649+00.000		

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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AREAS CHECKED	

DATE	
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ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
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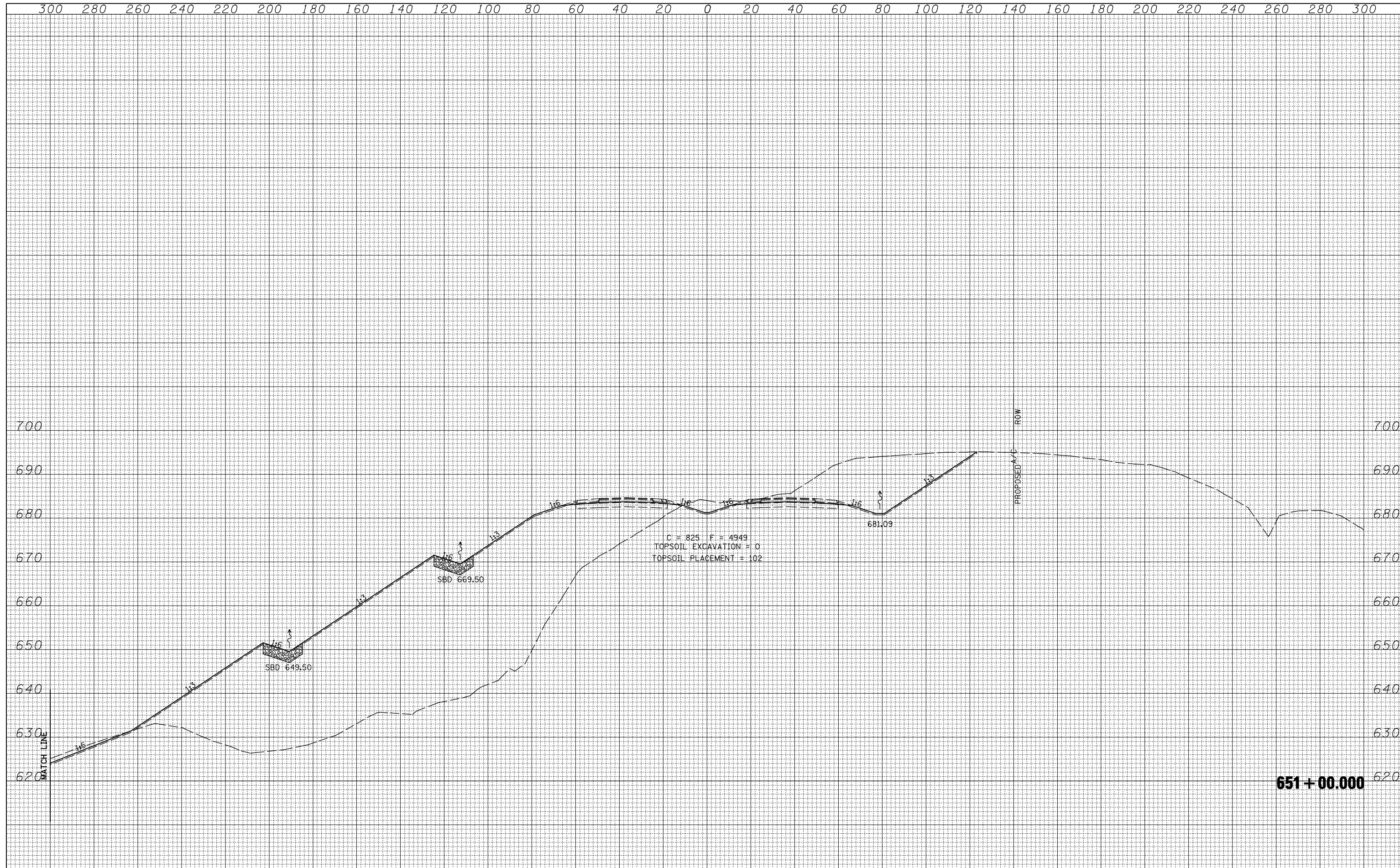


650+00.000

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	397	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1"=20' H, 1"=10' V					SHEET NO. 67 OF 176 SHEETS		STA. 650+00.000 TO STA. 650+00.000			

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NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



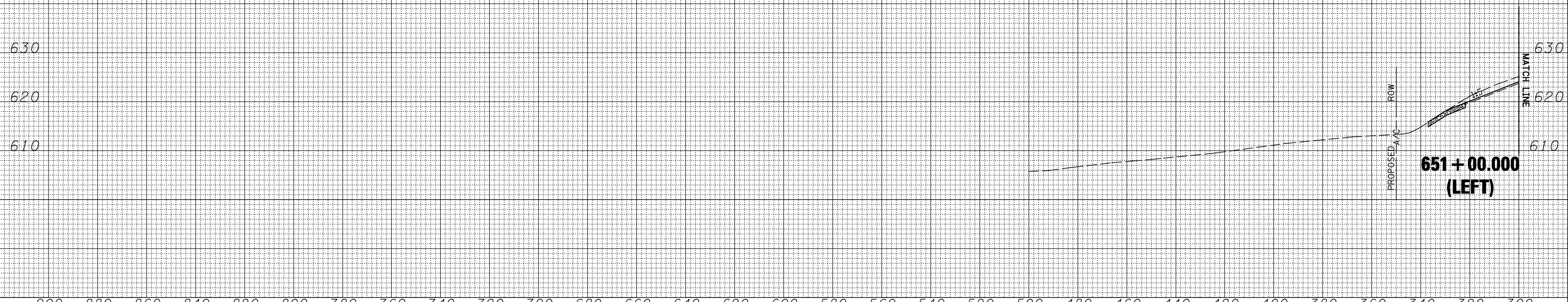
651+00.000

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	398	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1/4" = 20' H, 1/8" = 10' V				SHEET NO. 68 OF 176 SHEETS		STA. 651+00.000 TO STA. 651+00.000				

900 880 860 840 820 800 780 760 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300

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NOTE BOOK	PLOTTED
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	AREAS CHECKED
	AREAS CHECKED

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



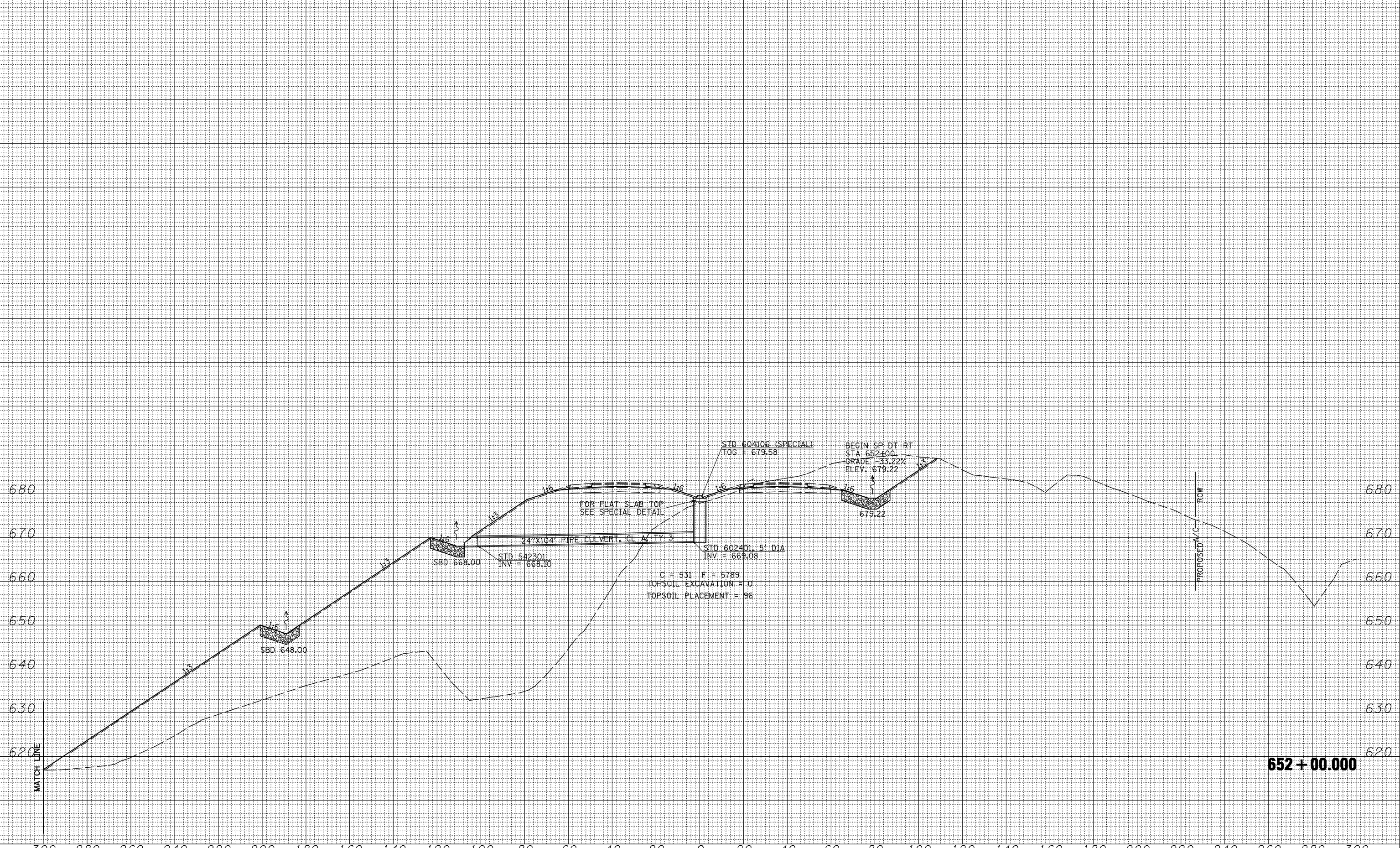
FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS - MATCHLINE LT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn		DRAWN - TJD	REVISED -			407	(55-3)A	MCDONOUGH	671	399
PLOT SCALE = 40.00' / IN.		CHECKED - AWM	REVISED -			CONTRACT NO. 68A42				
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1/4"=20' H, 1/8"=10' V SHEET NO. 69 OF 176 SHEETS STA. 651+00.000 TO STA. 651+00.000

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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	AREAS CHECKED



652 + 00.000

FILE NAME =	USER NAME = jdeen	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 407 (IL RTE 336) CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\Transportation\2891\Grading Plans\2891xsheets-20SCALE.dgn	DRAWN - TJD	REVISED -	407			(55-3)A	MCDONOUGH	671	400	
PLOT SCALE = 40.00' / IN.	CHECKED - AWM	REVISED -	CONTRACT NO. 68A42							
PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1/4" = 20' H, 1/8" = 10' V						SHEET NO. 70 OF 176 SHEETS		STA. 652+00.000 TO STA. 652+00.000		