

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTE
SECTION DISTRICT 45 IMPACT ATTENUATOR 2012
PROJECT HSIP-0005 (897)
SAFETY PROJECT
PEORIA & McLEAN COUNTIES

C-94-066-12

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DISTRICT 4/5 IMPACT ATTENUATOR 2012	VARIOUS	38	1
		ILLINOIS	CONTRACT NO. 68A96	

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 3. SUMMARY OF QUANTITIES
DISTRICT 4 (PEORIA COUNTY)
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DISTRICT 5 (MCLEAN COUNTY)
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 - 21-36. CROSS SECTIONS
 - 37-38. DISTRICT DETAILS

HIGHWAY STANDARDS

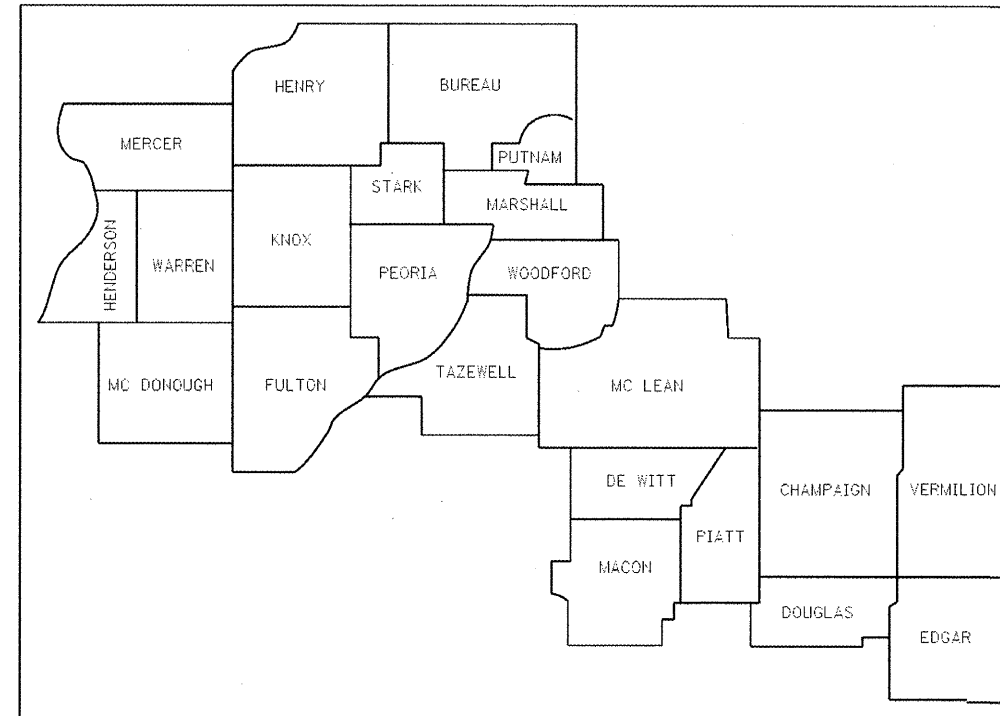
000001-06	631011-08	701400-05
001001-02	631031-10	701406-06
001006	635006-03	701411-08
280001-06	635011-02	701421-04
630001-10	701101-02	701901-02
630301-05	701106-02	

- ADT (I-55): 22,500 (2011)
ADT (I-74): 21,600 (2011)
ADT (Busn US 51): 17,000 (2011)
ADT (I-474): 32,400 (2011)
ADT (IL-6): 24,900 (2011)

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

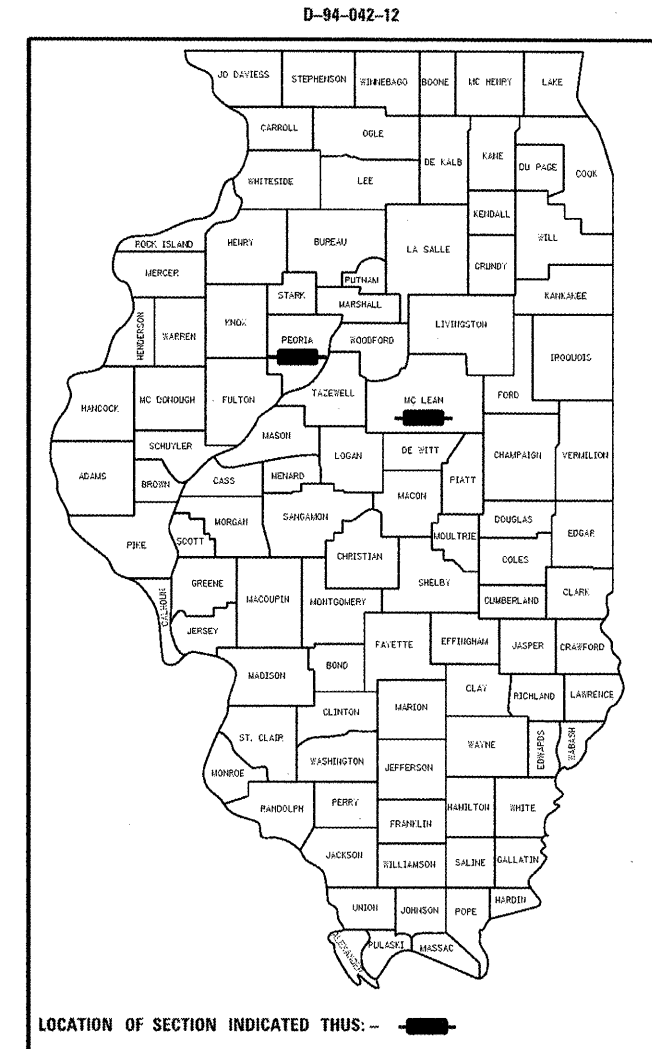
FOR DISTRICT 4 (PEORIA COUNTY)
PROJECT MANAGER: RAY SAMARA (309)671-3477
PROJECT ENGINEER: CHRISTOPHER MAUSHARD (309)671-3453
FOR DISTRICT 5 (MCLEAN COUNTY)
PROJECT MANAGER: RUSTIN KEYS (217)466-7225
PROJECT ENGINEER: JASON STUTS (217)466-7364

CONTRACT NO. 68A96
CONTRACT NO. 034782-00D



PROJECT DESCRIPTION:
THIS PROJECT CONSIST OF THE INSTALLATION OF IMPACT ATTENUATORS FOR SIGN FOUNDATIONS & BRIDGE PIERS AND GUARDRAIL UPGRADE AT VARIOUS LOCATIONS WITHIN DISTRICTS 4 & 5

GROSS LENGTH = N/A
NET LENGTH = N/A



LOCATION OF SECTION INDICATED THIS: - [Symbol]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 22 20 2012
Joseph E. Crowe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11 20 12
John D. Baranelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 11 20 12
William R. Frey, Jr.
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

MCLEAN COUNTY	PEORIA COUNTY
URBAN	URBAN
0021	0021
90% FEDERAL	90% FEDERAL
10% STATE	10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
20200100	EARTH EXCAVATION	CUYD	10.0	10.0	0.0
20400800	FURNISHED EXCAVATION	CUYD	765.0	765.0	0.0
25000210	SEEDING, CLASS 2 A	ACRE	1.00	1.00	0.0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90.0	90.0	0.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90.0	90.0	0.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90.0	90.0	0.0
25100115	MULCH, METHOD 2	ACRE	1.00	1.00	0.0
28000305	TEMPORARY DITCH CHECKS	FOOT	40.0	40.0	0.0
28000500	INLET AND PIPE PROTECTION	EACH	2.0	2.0	0.0
48101200	AGGREGATE SHOULDERS TYPE B	TON	840.0	840.0	0.0
50300225	CONCRETE STRUCTURES	CUYD	22.0	22.0	0.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,075.0	1,075.0	0.0
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	4,875	1,475.0	3,400
63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	250.0	250.0	0.0

FILE NAME =
District 4s revised S00.dgn

USER NAME = everscl
PLOT SCALE = 40.0000' / 1" =
PLOT DATE = 3/22/2012

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	2
CONTRACT NO. 68A96				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

MCLEAN COUNTY	PEORIA COUNTY
URBAN	URBAN
0021	0021
90% FEDERAL	90% FEDERAL
10% STATE	10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	9.0	9.0	0.0
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	17.0	0.0	17.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL) TANGENT	EACH	21.0	4.0	17.0
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL) FLARED	EACH	5.0	5.0	0.0
63200310	GUARDRAIL REMOVAL	FOOT	2720.0	0.0	2720.0
63400105	GUARD POSTS	EACH	8.0	8.0	0.0
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	2.0	0.0
64301090	ATTENUATOR BASE	SQ YD	102.0	102.0	0.0
67100100	MOBILIZATION	L SUM	1.0	0.4	0.6
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1.0	0.5	0.5
78200410	GUARDRAIL MARKERS, TYPE A	EACH	104.0	36.0	68.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	26.0	9.0	17.0
X6340205	GUARD POSTS REMOVAL	EACH	22.0	22.0	0.0
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	850.0	0	850.0

FILE NAME =
District 4s revised S00.dgn

USER NAME = everscl
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/22/2012

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	3
			CONTRACT NO. 68A96	
ILLINOIS FED. AID PROJECT				

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * A location map showing the size limits and location of the use area
- * Signed property owner agreement form-D4 PI0100
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

No commitments have been made for this project

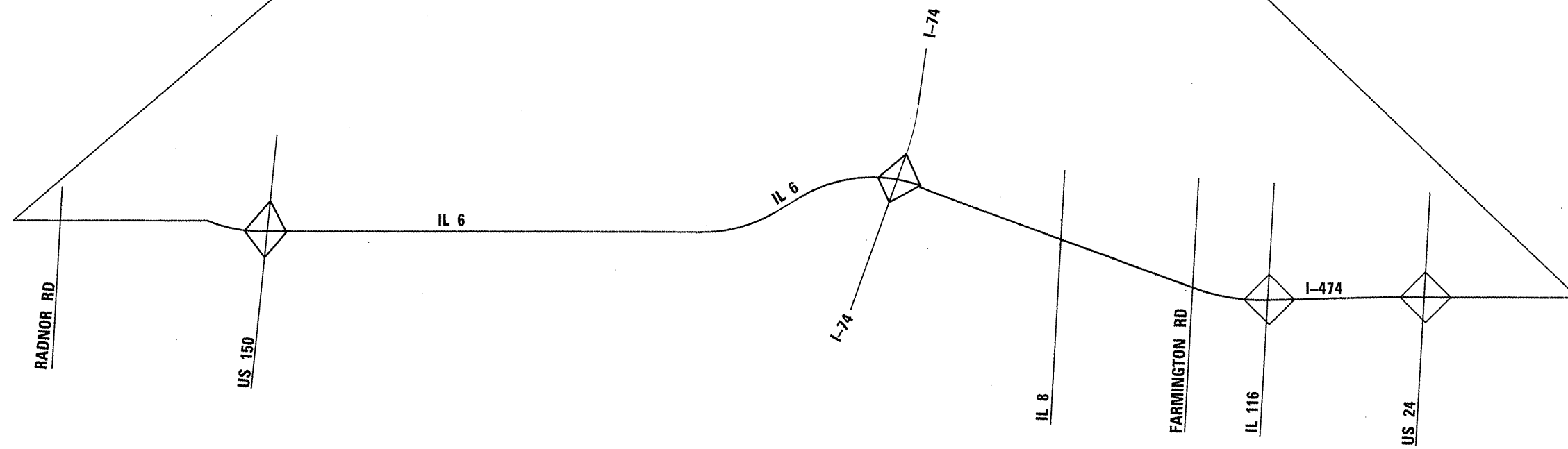
PROJECT SPECIFIC NOTE

Due to future proposed overlay project on I-474 and IL6.
The height of the proposed guardrail shall be 32 inches

FILE NAME = 68A96-shcp1en.dgn	USER NAME = mtohellag	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / 1" =	DRAWN -	REVISED -						VAR.	DISTRICT 4/S IMPACT ATTENUATOR 2012	VARIOUS	38	4
	PLOT DATE = 3/22/2012	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 68A96 ILLINOIS FED. AID PROJECT				



PROJECT LIMITS



Not to Scale

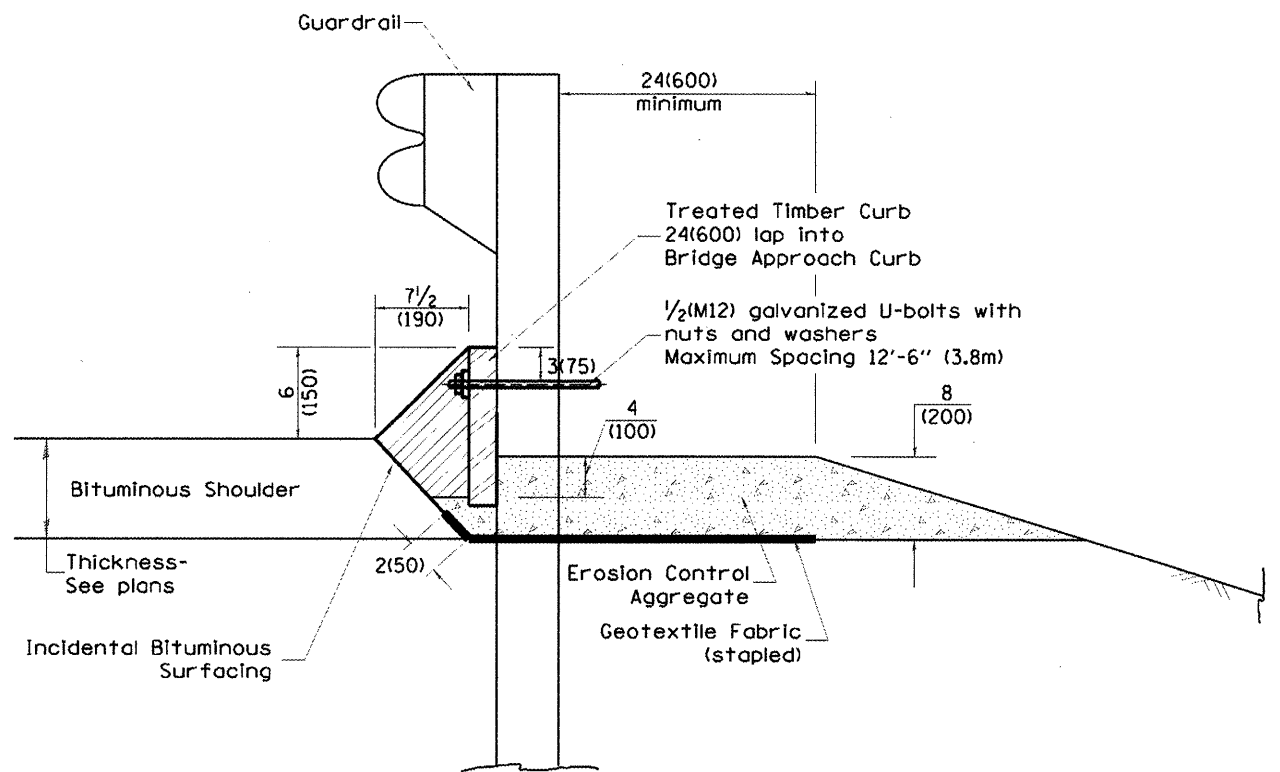
FILE NAME = 68A96-shr-plan.dgn	USER NAME = mitchellag	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEORIA COUNTY PROJECT LOCATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 287.4182' / in.	DRAWN -	REVISED -				VAR.	DISTRICT 4/S IMPACT ATTENUATOR 2012	VARIOUS	38	5
	PLOT DATE = 3/22/2012	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 68A96		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -								

LOCATION	SPBGR REMOVAL	TBT TYPE 1 SPL (TANGENT)	TBT TYPE 6	SPBGR TYPE A 6' POST	TERM MKR DIRECT APPLIED	GUARDRAIL MARKER TYPE A	GUARDRAIL EROSION CONTROL
	FT	EACH	EACH	FT	EACH	EACH	TON
I - 474							
EAST BOUND							
LT STA. 59+87 - 63+70	160	1	1	200	1	4	50
LT STA. 110+18 - 114+01	160	1	1	200	1	4	50
LT STA. 218+92 - 222+75	160	1	1	200	1	4	50
LT STA. 247+78 - 251+61	160	1	1	200	1	4	50
LT STA. 346+12 - 349+95	160	1	1	200	1	4	50
LT STA. 380+83 - 384+66	160	1	1	200	1	4	50
WEST BOUND							
LT STA. 58+75 - 62+58	160	1	1	200	1	4	50
LT STA. 71+50 - 75+33	160	1	1	200	1	4	50
LT STA. 115+40 - 119+23	160	1	1	200	1	4	50
LT STA. 225+05 - 228+88	160	1	1	200	1	4	50
LT STA. 253+65 - 257+48	160	1	1	200	1	4	50
LT STA. 360+70 - 364+53	160	1	1	200	1	4	50
LT STA. 379+65 - 383+48	160	1	1	200	1	4	50
IL6							
SOUTH BOUND							
LT STA. 53+57 - 57+40	160	1	1	200	1	4	50
LT STA. 977+78 - 981+61	160	1	1	200	1	4	50
NORTH BOUND							
LT STA. 58+40 - 62+23	160	1	1	200	1	4	50
LT STA. 982+40 - 986+23	160	1	1	200	1	4	50
TOTAL	2720	17	17	3400	17	68	850

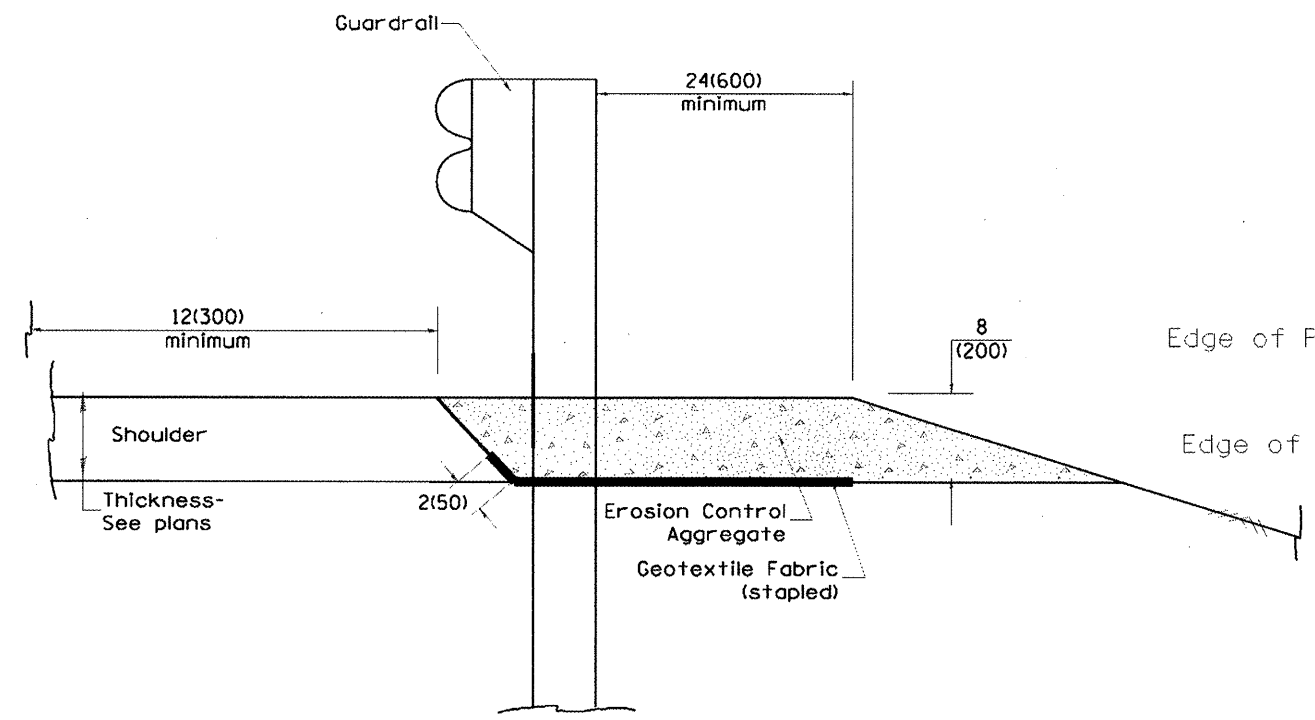
NOTE: LT AND RT IS RELATED TO THE DIRECTION OF TRAFFIC

FILE NAME = 68A96-shr-plan.dgn	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	VAR.	DISTRICT 4/5 IMPACT ATTENUATOR 2012	VARIOUS	38	6
		CHECKED -	REVISED -		CONTRACT NO. 68A96										
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

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



TYPICAL SECTION WITH EROSION CONTROL CURB



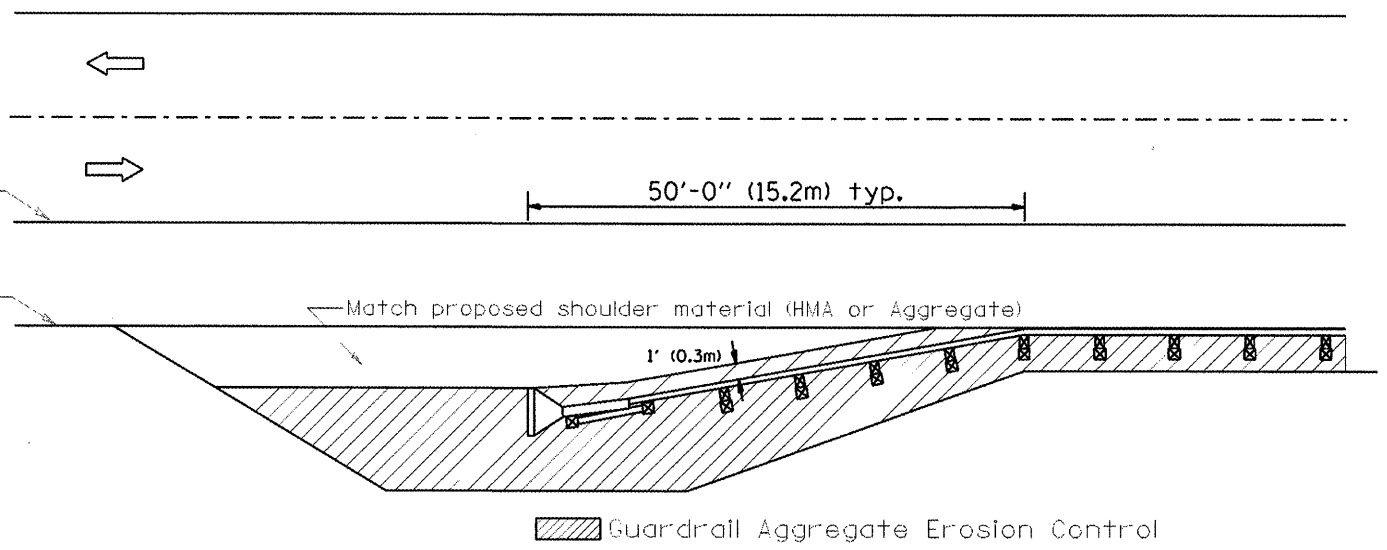
TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: EROSION CONTROL CURB

1. This work shall consist of grading as needed, installing hardware and treated timber boards, furnishing and placing mastic material and incidental bituminous surfacing in front of Steel Plate Beam Guardrail in accordance with Plan Details.
2. Timber shall be treated in accordance with Article 1007.12. All preservatives specified in the article will be allowed. Waterborne preservatives "asa" and "cca" shall have a minimum retention of 0.40 lbs./cu. ft. (6.4 kg/m³)

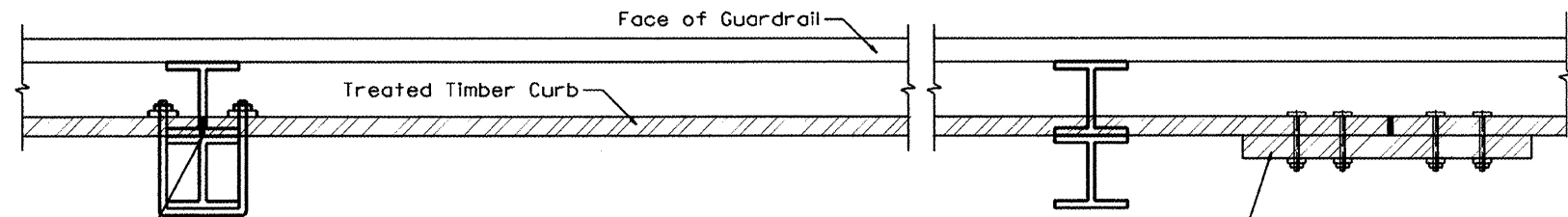
GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

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.

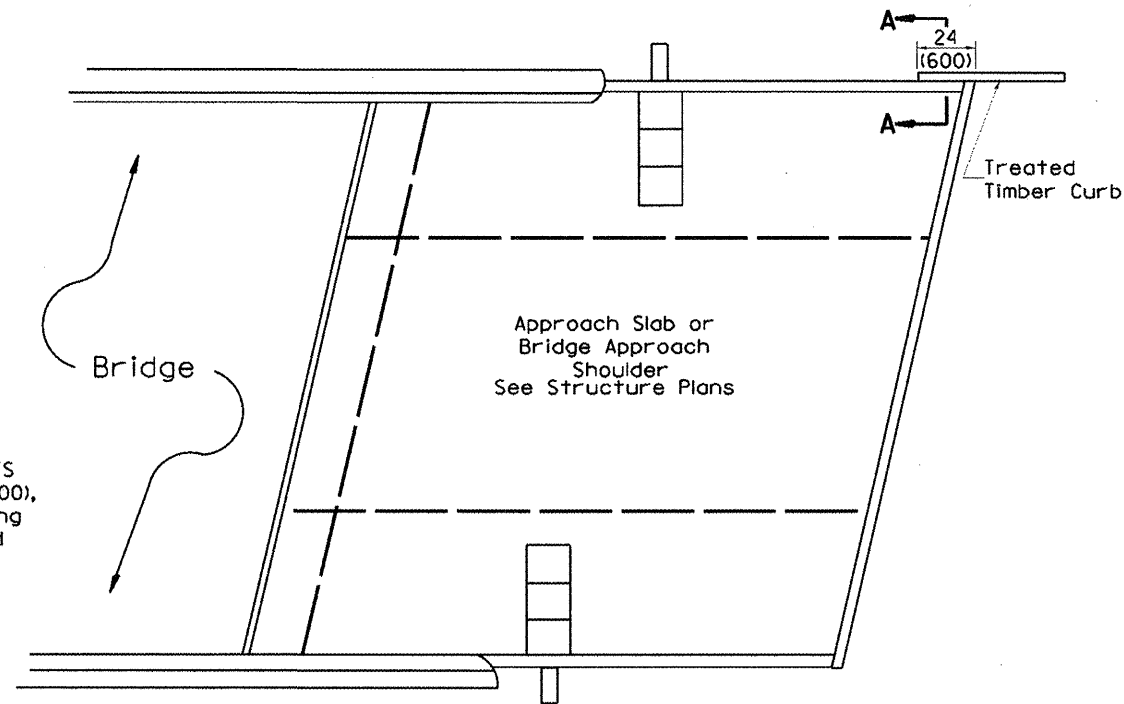
01-01-97	RENUM. C-22.01. NEW REVISION BOX	T.P.	3-7-11	Added Detail showing plan view	R.D.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL EROSION CONTROL TREATMENTS	SHT. 1 OF 2 CADD STD. 630101-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.										38	7
11-03-00	CORRECTION TO NOTES	M.A.										CONTRACT NO.	
10-16-06	REVISED TO 2007 SPEC.	M.A.										FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



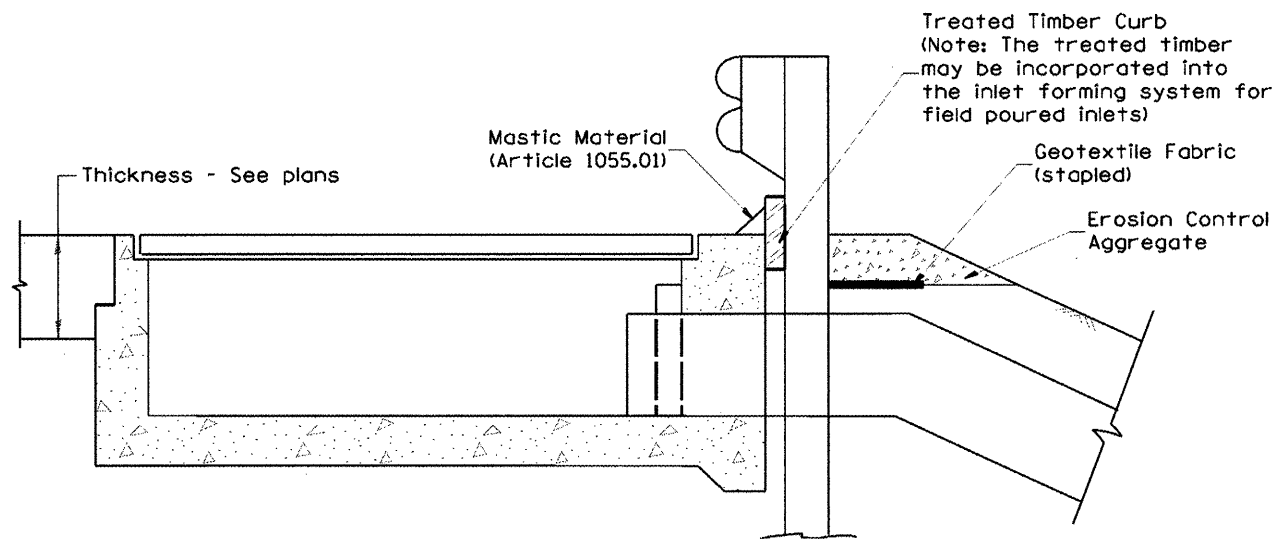
SPLICE LOCATED AT GUARDRAIL POST
 1/2(M12) galvanized U-bolt with
 nut & washer

DETAIL A
 (Typical Treated Timber Splices)

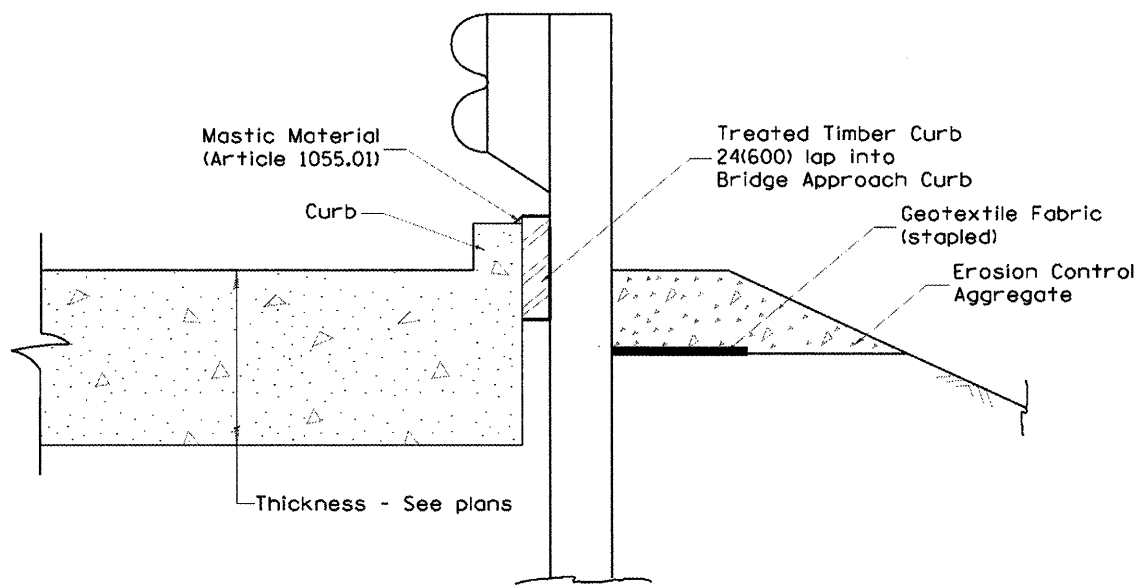
SPLICE LOCATED BETWEEN GUARDRAIL POSTS
 treated timber splice plate 2x12 (50x300),
 actual size 1 1/2x1 1/2 (40x290), 24(600) long
 with 8 evenly spaced 1/2(M12) galvanized
 bolts with nuts & washers.



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



TYPICAL SECTION WITH EROSION CONTROL CURB
AT INLETS TYPE E & F (STANDARD 610001)

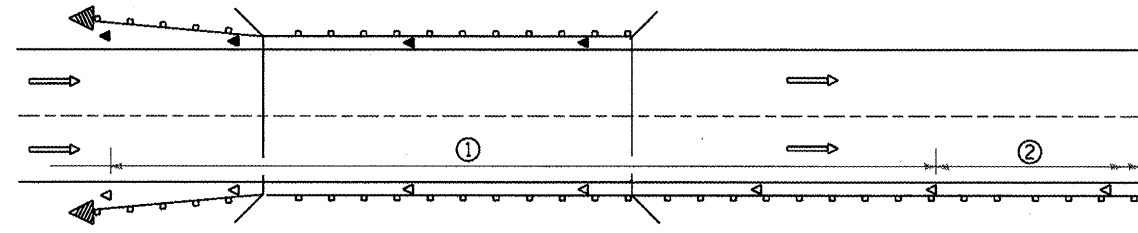


SECTION A-A
TYPICAL SECTION WITH EROSION CONTROL CURB
AT BRIDGE APPROACH CURB
 (STANDARD 609001 OR 609006)

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

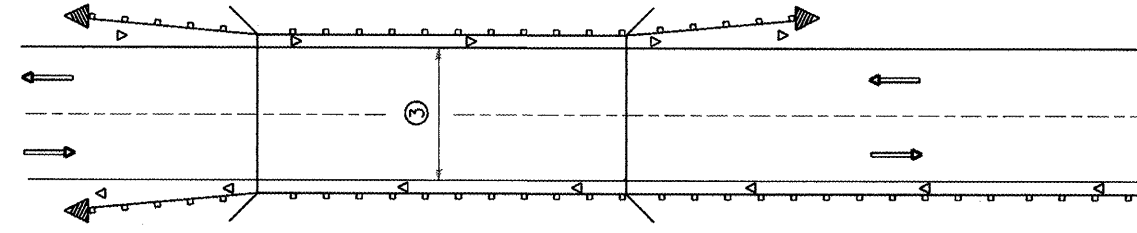
				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GUARDRAIL EROSION CONTROL TREATMENTS				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 38 8	
				NOT TO SCALE		SHT. 2 OF 2 CADD STD. 630101-D4				CONTRACT NO.	
										ILLINOIS FED. AID PROJECT	

DESIGNER NOTES:
 1. INCLUDE APPROPRIATE SPECIAL PROVISIONS FOR "GUARD RAIL DELINEATION POLICY: 1. TERMINAL MARKER, 2. TERMINAL MARK POST, AND 3. GUARDRAIL AND BARRIER WALL MARKERS."
 FROM INTERIM SPECIAL PROVISIONS 94-74: "GUARDRAIL AND BARRIER WALL DELINEATION."
 2. IF POST MOUNT TERMINAL MARKER IS USED, INCLUDE STATE STD. 720011.



- ① Spacing 80 ft. (24 m) max. for first 400 ft. (122 m) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).
- ② After 400 ft. (122 m), transition to normal delineator spacing shown in Standard 635001, and continue as required.

ONE-WAY TRAFFIC



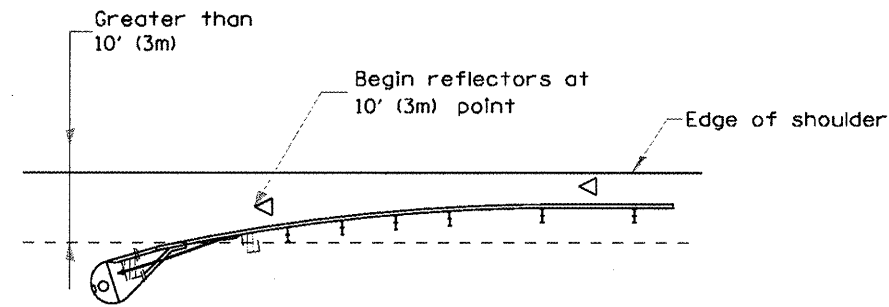
- ③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 24 (610) wider than the pavement approaching the bridge.

TWO-WAY TRAFFIC

GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS

LEGEND

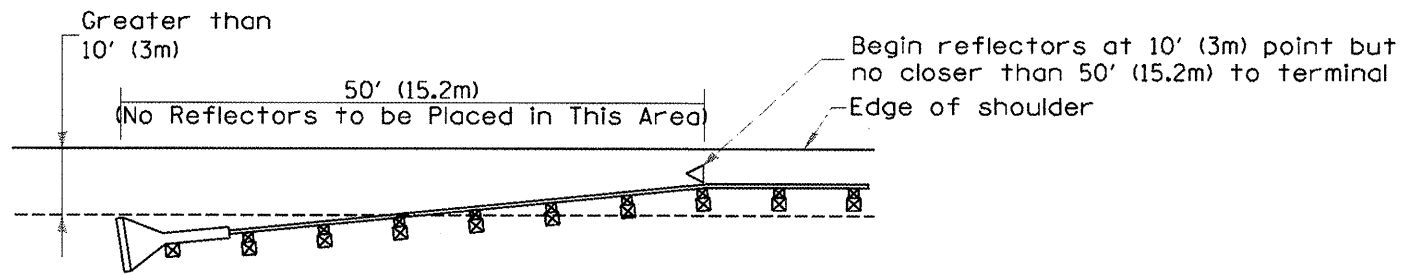
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow
Left or Right as appropriate



NOTE: Omit terminal marker when terminal over 10' (3m) from edge of paved shoulder or break point of unpaved shoulder, or when terminal buried in backslope.

Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

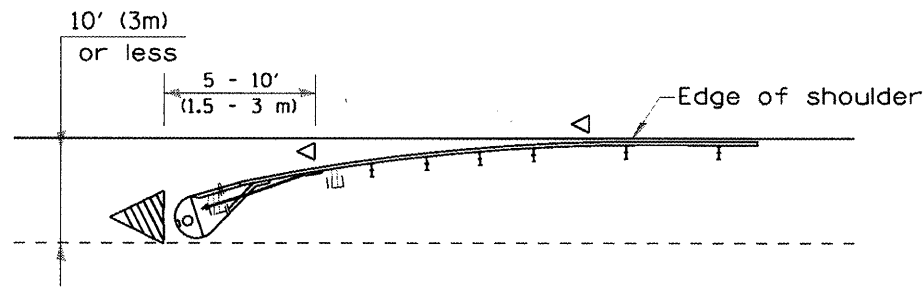
[Terminal over 10' (3m) from edge of shoulder]
•See Plans for Type



NOTE: Omit terminal marker when terminal over (10') from edge of paved shoulder or break point of unpaved shoulder.

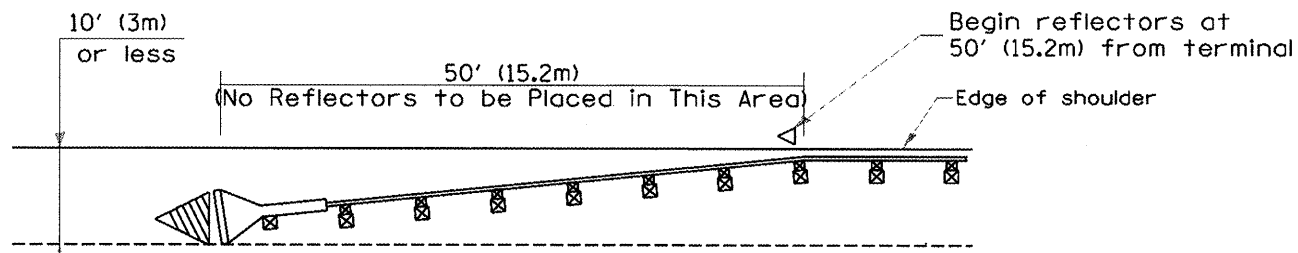
Traffic Barrier Terminal Type 1 (Special)

[Terminal over 10' (3m) from edge of shoulder]



Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

[Terminal over 10' (3m) or less from edge of shoulder]
•See Plans for Type



Traffic Barrier Terminal Type 1(Special)

[Terminal 10' (3m) or less from edge of shoulder]

TERMINAL MARKER PLACEMENT

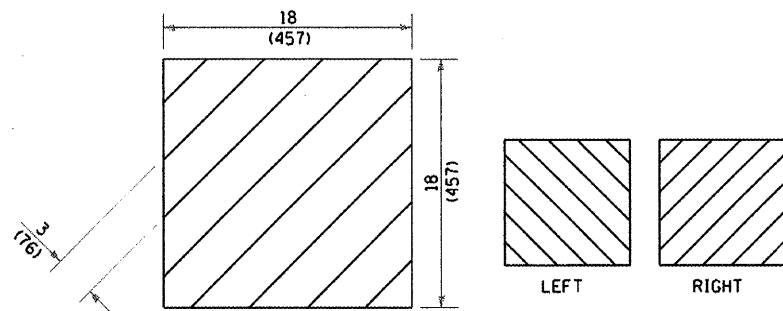
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. E-10.02, NEW REVISION BOX	T.P.
03-01-97	CORRECT STD. SPEC. *	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

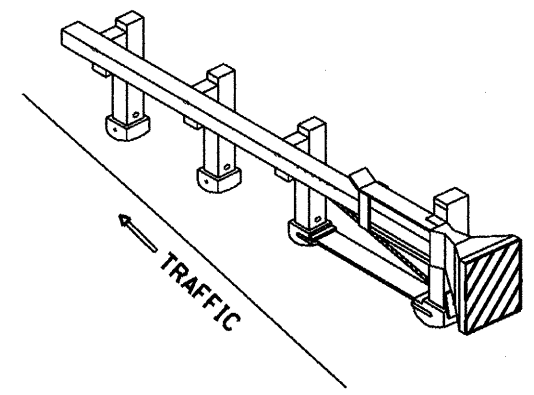
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL AND BARRIER WALL DELINEATION
 NOT TO SCALE
 SHT. 1 OF 3
 CADD STD. 635101-D4

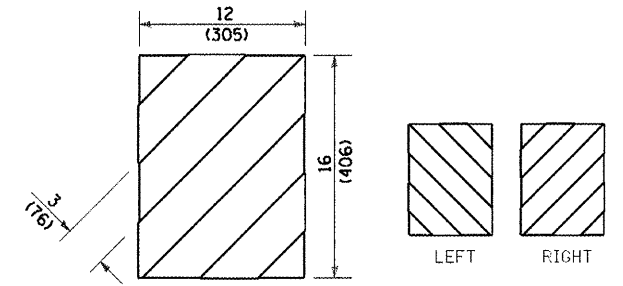
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DISTRICT 4/5 GUARDRAIL AND BARRIER WALL	VARIOUS	38	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68A96	



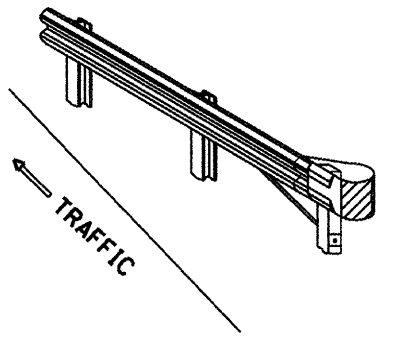
For Traffic Barrier Terminal Type 1 (Special)



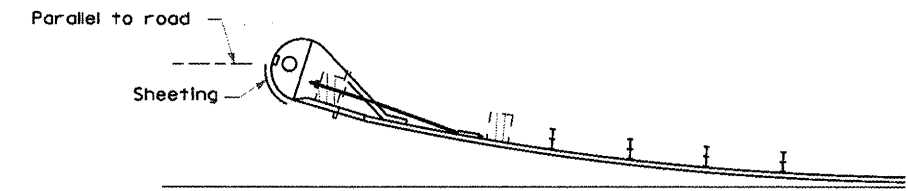
**Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type 1 (Special)**



**For Traffic Barrier Terminal Type (*)
and Post Mount
• See Plans for Type**



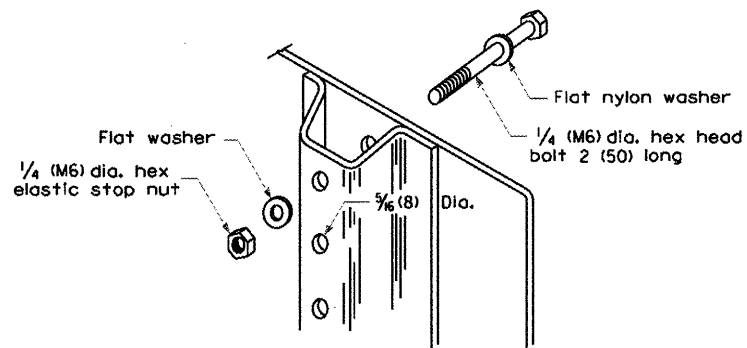
**Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type (*)
• See Plans for Type**



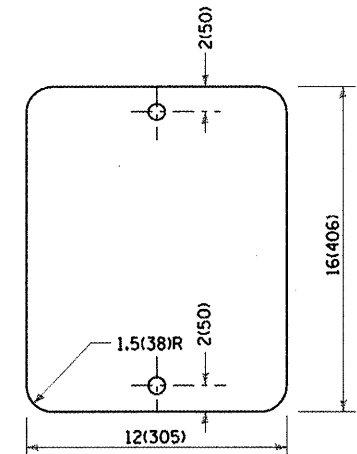
**Sheeting Position for
Traffic Barrier Terminal Type (*)
• See Plans for Type**

TERMINAL MARKER DETAILS

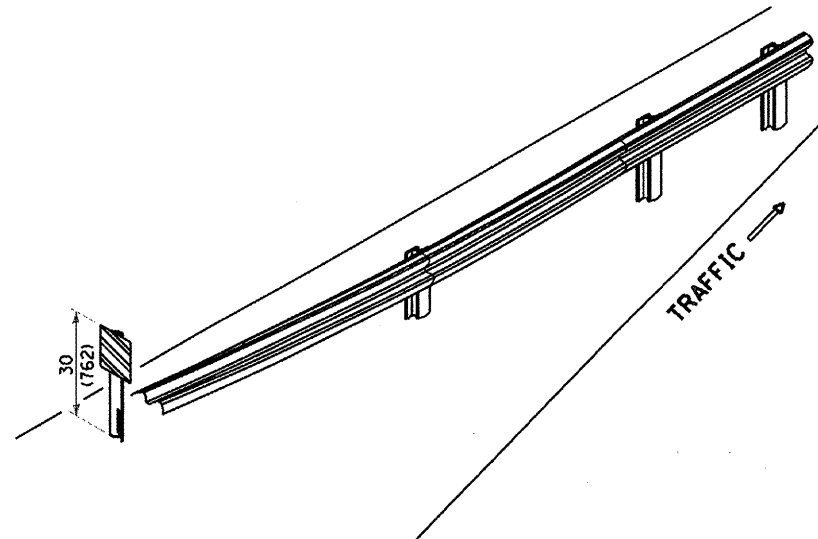
- Color: Black / Yellow reflectorized
- OM - I100 (L or R) Direct applied reflective sheeting
- OM - I200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



**ALTERNATE TREATMENT - POST MOUNTED
(For turned-down terminal where sheeting cannot be direct applied)**

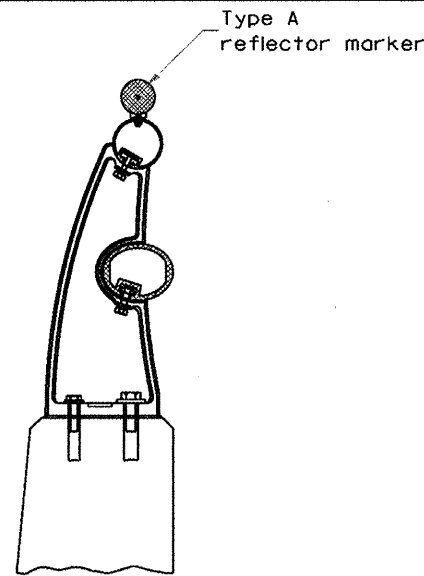
TERMINAL MARKER TREATMENTS

GENERAL NOTES

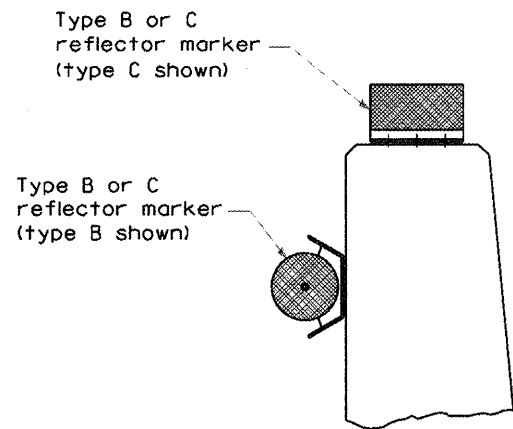
All dimensions are in inches (millimeters) unless otherwise noted.

POST MOUNTED TERMINAL MARKER ASSEMBLY

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GUARDRAIL AND BARRIER WALL DELINEATION		SHEET NO. 10	
NOT TO SCALE		CADD STD. 635101-D4		CONTRACT NO. 68A96	
F.A. RTE.		SECTION		COUNTY	
VAR. DISTRICT 475 QUADRANT AND BARRIER WALL		VARIOUS		TOTAL SHEETS 38	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A96	

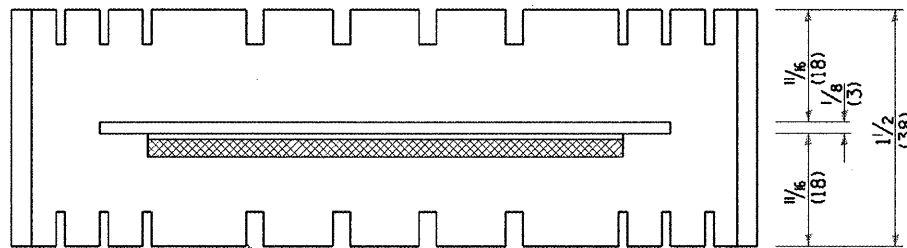


**TYPICAL MOUNTING DETAIL
FOR BRIDGE RAIL REFLECTOR**

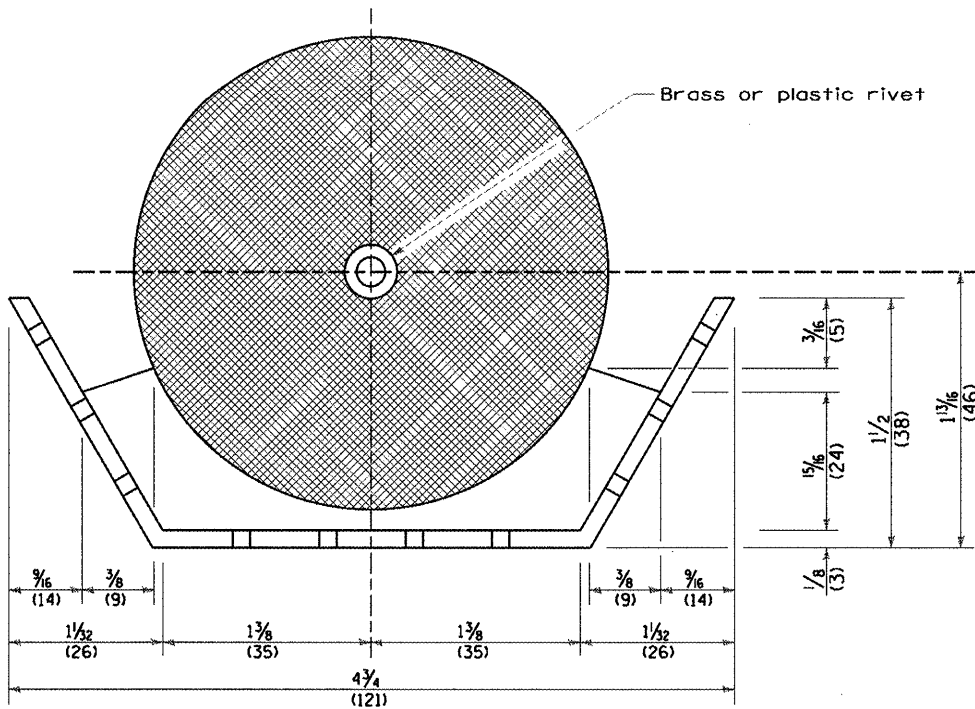


**TYPICAL MOUNTING DETAIL
FOR BARRIER WALL REFLECTOR**

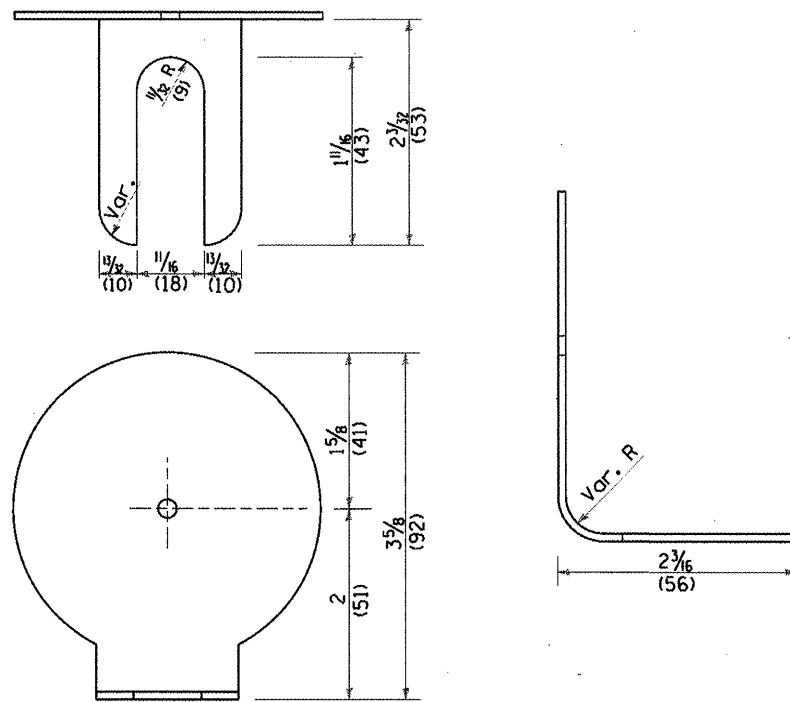
REFLECTOR MOUNTING



Adhesive weep slots or holes
equally spaced on both sides

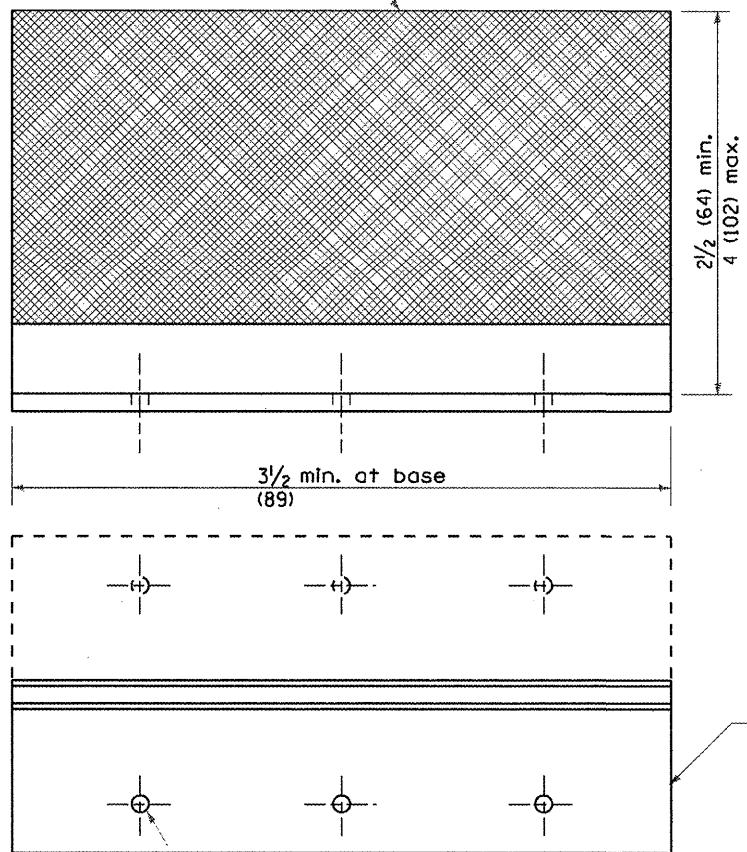


REFLECTOR MARKER TYPE B



REFLECTOR MARKER TYPE A

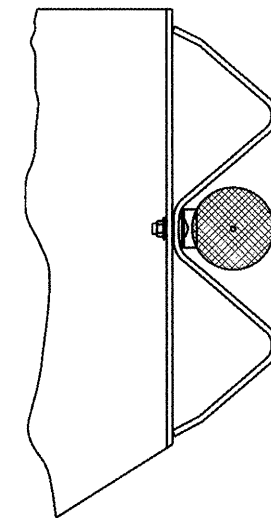
Min. reflective area 6 1/2 sq. in. (4,194 mm²)
each side. May be rectangular or slight
trapezoid.



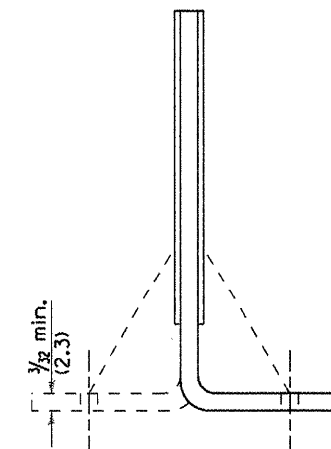
REFLECTOR MARKER TYPE C

3 min. adhesive weep
holes or slots each side,
variable spacing.

Minimum total area of
base 7.0 Sq. in. (4,516 mm²)



**TYPICAL GUARDRAIL MOUNTING WITH
REFLECTOR MARKER TYPE A**



Cross section may be "T"
or "L" shaped and may have
side supports at ends.

REFLECTORS

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL AND BARRIER WALL DELINEATION
NOT TO SCALE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DISTRICT 4/5 GUARDRAIL AND BARRIER WALL	VARIOUS	38	11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SHT. 3 OF 3
CADD STD. 635101-D4

CONTRACT NO. 68A96

MCLEAN COUNTY GENERAL NOTES

G.N.-100
 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
 ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.07
 EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE DISTRICT OPERATIONS ENGINEER TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES. THE STATE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATING OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

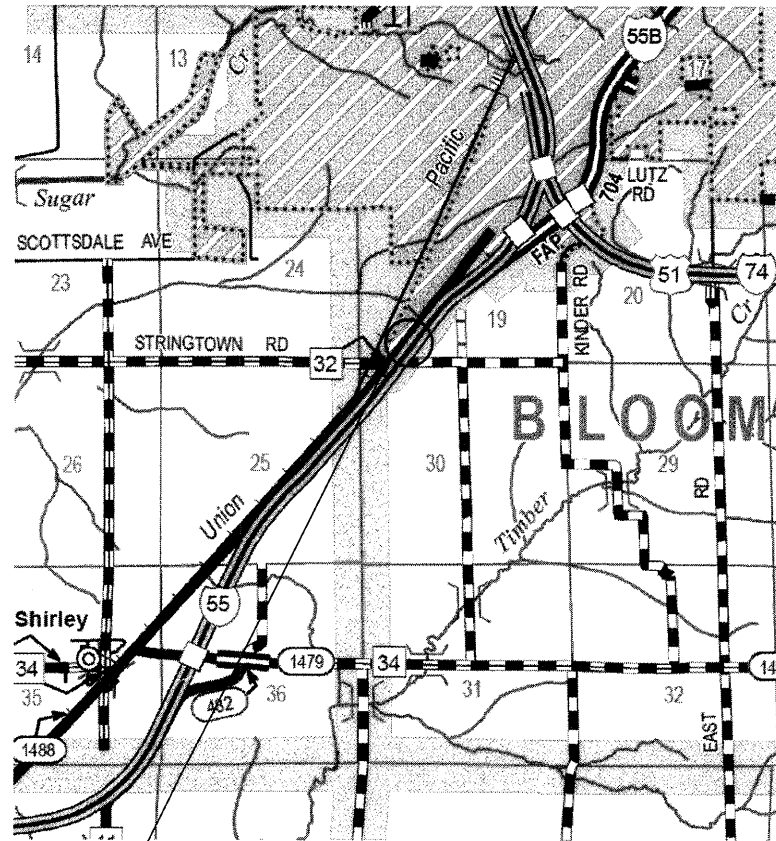
G.N.-105.09A
 ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

FILE NAME = District 4's gennote revision.dgn	USER NAME = eversal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MCLEAN COUNTY GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			VARIOUS	MCLEAN	38	12	
PLOT DATE = 3/22/2012	CHECKED -	REVISED -	CONTRACT NO. 68A96							
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.

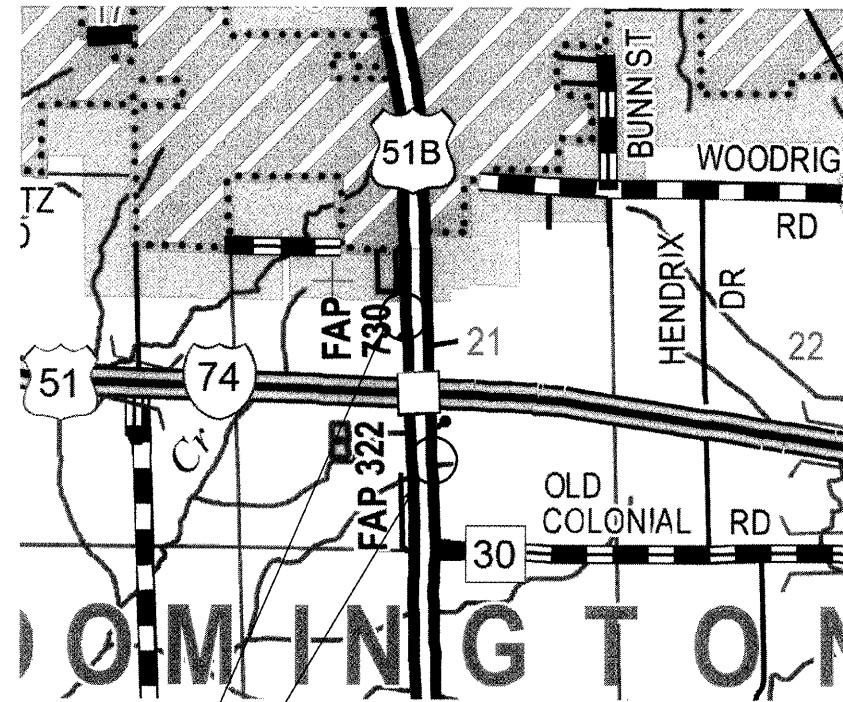
F.A.I. ROUTE 55

U.S. 51

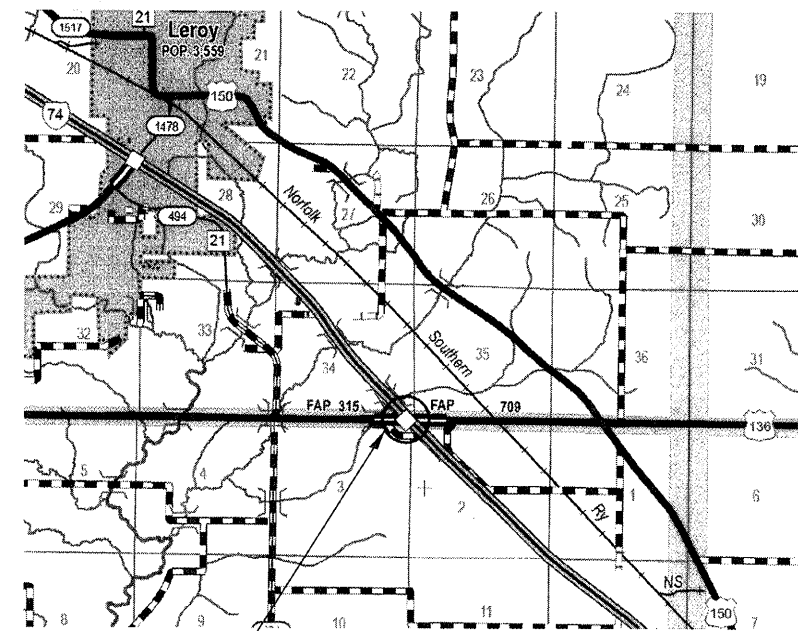
F.A.I. ROUTE 74



STA. 612+98.00 TO STA. 620+58.00



STA. 38+16.00 TO STA. 61+79.34



STA. 453+17.05 TO STA. 458+07.23

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	PLOT DATE = 3/19/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MCLEAN COUNTY LOCATION MAPS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	13
				CONTRACT NO. 68A9C
ILLINOIS FED. AID PROJECT				

SCHEDULES OF QUANTITIES

SCHEDULE OF EARTHWORK QUANTITIES

LOCATION	EARTH EXCAVATION (CUT) CUYD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CUYD	EMBANKMENT (FILL) CUYD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CUYD	FURNISH EXCAVATION CUYD
ROUTE: I-74					
STA. 453+00 TO STA. 459+00	6	4.5	692	-687.5	687.5
ROUTE: US-51 (SOUTH BOUND)					
STA. 38+16 TO STA. 40+00	0	0	2	-2	2
ROUTE: I-55 (SOUTH BOUND LEFT)					
STA. 616+98 TO STA. 620+58	0	0	23	-23	23
ROUTE: I-55 (NORTH BOUND RIGHT)					
STA. 612+98 TO STA. 616+45	0	0	19	-19	19
ROUTE: I-55 (NORTH BOUND LEFT)					
STA. 613+70 TO STA. 616+39	0	0	30	-30	30
TOTAL	6	4.5	766	-761.5	761.5
USE	10				765

*NOTE: SHRINKAGE FACTOR IS 25%

LANDSCAPING SCHEDULE

	STATION	TO	STATION	AREA (ACRE)	SEEDING CLASS 2A (ACRE)	NITROGEN FERTILIZER (POUNDS)	PHOSPHORUS FERTILIZER (POUNDS)	POTASSIUM FERTILIZER (POUNDS)	MULCH METHOD 2 (ACRE)
I-55	NB LT 613+70.00		NB LT 614+00.00	0.01	0.01	0.9	0.9	0.9	0.01
	NB LT 614+00.00		NB LT 615+00.00	0.03	0.03	2.7	2.7	2.7	0.03
	NB LT 615+00.00		NB LT 616+39.00	0.03	0.03	2.7	2.7	2.7	0.03
	NB RT 612+98.00		NB RT 614+00.00	0.02	0.02	1.8	1.8	1.8	0.02
	NB RT 614+00.00		NB RT 615+00.00	0.02	0.02	1.8	1.8	1.8	0.02
	NB RT 615+00.00		NB RT 616+45.00	0.03	0.03	2.7	2.7	2.7	0.03
	SB LT 616+98.00		SB LT 618+00.00	0.02	0.02	1.8	1.8	1.8	0.02
	SB LT 618+00.00		SB LT 619+00.00	0.02	0.02	1.8	1.8	1.8	0.02
	SB LT 619+00.00		SB LT 620+58.00	0.04	0.04	3.6	3.6	3.6	0.04
	US-51	SB RT 38+16.00		SB RT 40+00.00	0.01	0.01	0.9	0.9	0.9
I-74	453+17.05		458+07.23	0.58	0.58	52.2	52.2	52.2	0.58
	TOTAL =			0.81	0.81	72.9	72.9	72.9	0.81
	USE =			1.0	1.0	90.0	90.0	90.0	1.0

SCHEDULES OF QUANTITIES

GUARDRAIL SCHEDULE

63000001 STEEL PLATE BEAM GUARDRAIL TYPE A 6 FOOT POST

	STATION	TO	STATION	FOOT
I-55	NB RT 613+81.99		NB RT 616+32.00	250.0
	NB LT 614+39.31		NB LT 616+26.81	187.5
	SB LT 617+10.39		SB LT 619+72.84	262.5
US-51	SB RT 38+99.81		SB RT 40+24.81	125.0
	SB LT 39+82.44		SB LT 40+44.95	62.5
	SB LT 41+07.45		SB LT 41+82.45	75.0
	NB LT 39+69.15		NB LT 40+44.15	75.0
	NB LT 41+06.65		NB LT 41+69.15	62.5
	SB LT 58+75.47		SB LT 59+37.97	62.5
	SB LT 60+00.47		SB LT 60+75.47	75.0
	NB LT 58+60.62		NB LT 59+35.62	75.0
	NB LT 59+98.12		NB LT 60+60.62	62.5
	NB RT 60+29.35		NB RT 61+29.34	100.0
	TOTAL=			1475.0

63000007 STEEL PLATE BEAM GUARDRAIL TYPE B 6 FOOT POSTS

	STATION	TO	STATION	FOOT
US-51	SB LT 40+44.95		SB LT 41+07.45	62.5
	NB LT 40+44.15		NB LT 41+06.65	62.5
	SB LT 59+37.97		SB LT 60+00.47	62.5
	NB LT 40+44.15		NB LT 59+98.12	62.5
	TOTAL=			250.0

78201000 TERMINAL MARKER - DIRECT APPLIED

	STATION	EACH	
I-55	NB RT 613+31.98	1	
	NB LT 613+89.31	1	
	SB LT 620+22.83	1	
US-51	SB RT 38+49.81	1	
	SB LT 39+32.44	1	
	NB LT 42+19.16	1	
	SB LT 58+25.47	1	
	NB LT 61+10.62	1	
	NB RT 61+79.34	1	
	TOTAL=		9

BARRIER TERMINAL SCHEDULE

63100167 TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT

	STATION	TO	STATION	EACH
I-55	NB RT 613+31.98		NB RT 613+81.99	1
	SB LT 619+72.84		SB LT 620+22.83	1
US-51	SB RT 38+49.81		SB RT 38+99.81	1
	NB RT 61+29.34		NB RT 61+79.34	1
	TOTAL=			4

63100169 TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) FLARED

	STATION	TO	STATION	EACH
I-55	NB LT 613+89.31		NB LT 614+39.31	1
US-51	SB LT 39+32.44		SB LT 39+82.44	1
	NB LT 41+69.15		NB LT 42+19.16	1
	SB LT 58+25.47		SB LT 58+75.47	1
	NB LT 60+60.62		NB LT 61+10.62	1
	TOTAL=			5

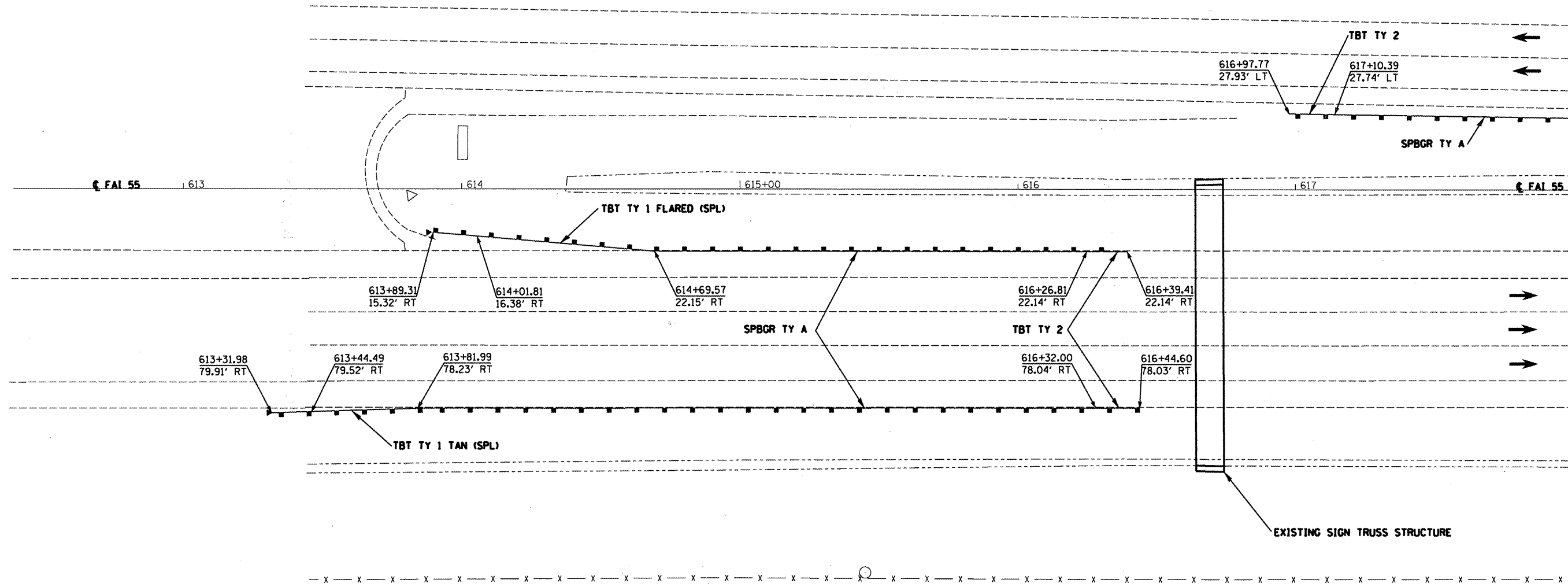
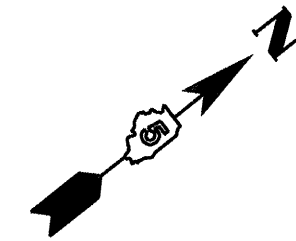
63100045 TRAFFIC BARRIER TERMINAL TYPE 2

	STATION	TO	STATION	EACH
I-55	NB RT 616+32.00		NB RT 616+44.60	1
	NB LT 616+26.81		NB LT 616+39.41	1
	SB LT 616+97.77		SB LT 617+10.39	1
US-51	SB RT 40+24.81		SB RT 40+37.40	1
	SB LT 41+82.45		SB LT 41+95.05	1
	NB LT 39+56.55		NB LT 39+69.15	1
	SB LT 60+75.47		SB LT 60+88.07	1
	NB LT 58+48.02		NB LT 58+60.62	1
	NB RT 60+16.75		NB RT 60+29.35	1
	TOTAL=			9

AGGREGATE SHOULDER SCHEDULE

48101200 AGGREGATE SHOULDERS TYPE B

	STATION	TO	STATION	LENGTH (FOOT)	AREA (SQ YD)	(TON)
I-55	NB LT 613+70.00		NB LT 614+00.00	30	0.21	11.3
	NB LT 614+00.00		NB LT 615+00.00	100	0.19	34.2
	NB LT 615+00.00		NB LT 616+39.00	139	0.20	50.0
	NB RT 612+98.00		NB RT 614+00.00	102	0.16	29.4
	NB RT 614+00.00		NB RT 615+00.00	100	0.18	32.4
	NB RT 615+00.00		NB RT 616+45.00	145	0.22	57.4
	SB LT 616+98.00		SB LT 618+00.00	102	0.10	18.4
	SB LT 618+00.00		SB LT 619+00.00	100	0.10	18.0
	SB LT 619+00.00		SB LT 620+58.00	158	0.13	37.0
	SUB-TOTAL=					288.1
I-74	SB LT 453+00.00		SB LT 454+00.00	100	0.28	50.4
	SB LT 454+00.00		SB LT 455+00.00	100	0.36	64.8
	SB LT 455+00.00		SB LT 456+00.00	100	0.19	34.2
	SB LT 456+00.00		SB LT 457+00.00	100	0.22	39.6
	SB LT 457+00.00		SB LT 458+00.00	100	0.13	23.4
	SB LT 458+00.00		SB LT 459+00.00	100	0.13	23.4
	NB LT 453+00.00		NB LT 454+00.00	100	0.20	36.0
	NB LT 454+00.00		NB LT 455+00.00	100	0.26	46.8
	NB LT 455+00.00		NB LT 456+00.00	100	0.39	70.2
	NB LT 456+00.00		NB LT 457+00.00	100	0.29	52.2
	NB LT 457+00.00		NB LT 458+00.00	100	0.26	46.8
	NB LT 458+00.00		NB LT 459+00.00	100	0.26	46.8
	SUB-TOTAL=					534.6
US-51	SB RT 38+16.00		SB RT 40+00.00	184	0.05	16.6
	SUB-TOTAL=					16.6
	TOTAL=					839.3
	USE=					840.0



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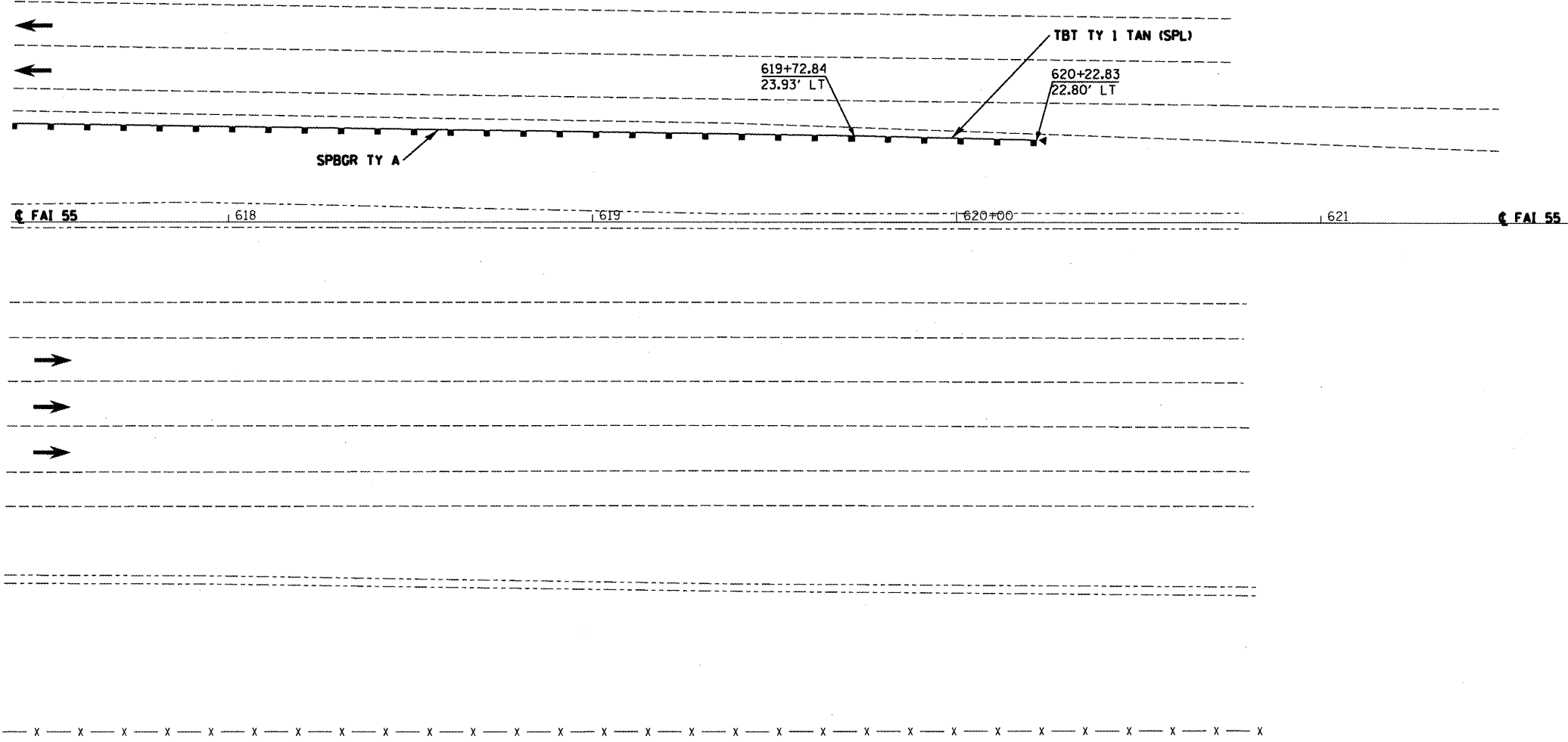
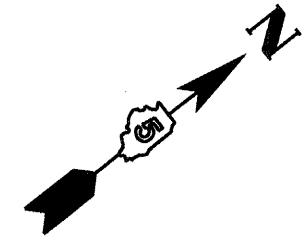
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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-55 SOUTH OF VETERANS PARKWAY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	VARIOUS	MCLEAN	38	16
CONTRACT NO. 68A96				
ILLINOIS FED. AID PROJECT				



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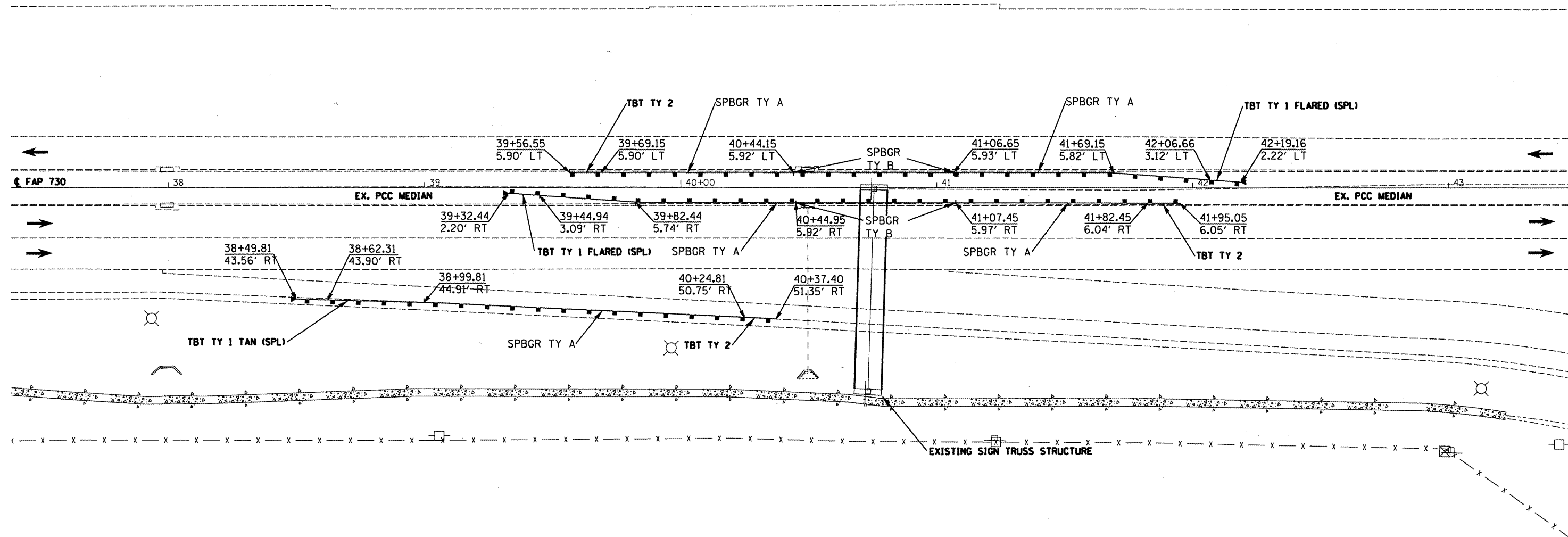
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-55 SOUTH OF VETERANS PARKWAY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	VARIOUS	MCLEAN	32	17
CONTRACT NO. 68A96				
ILLINOIS FED. AID PROJECT				



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DATE -

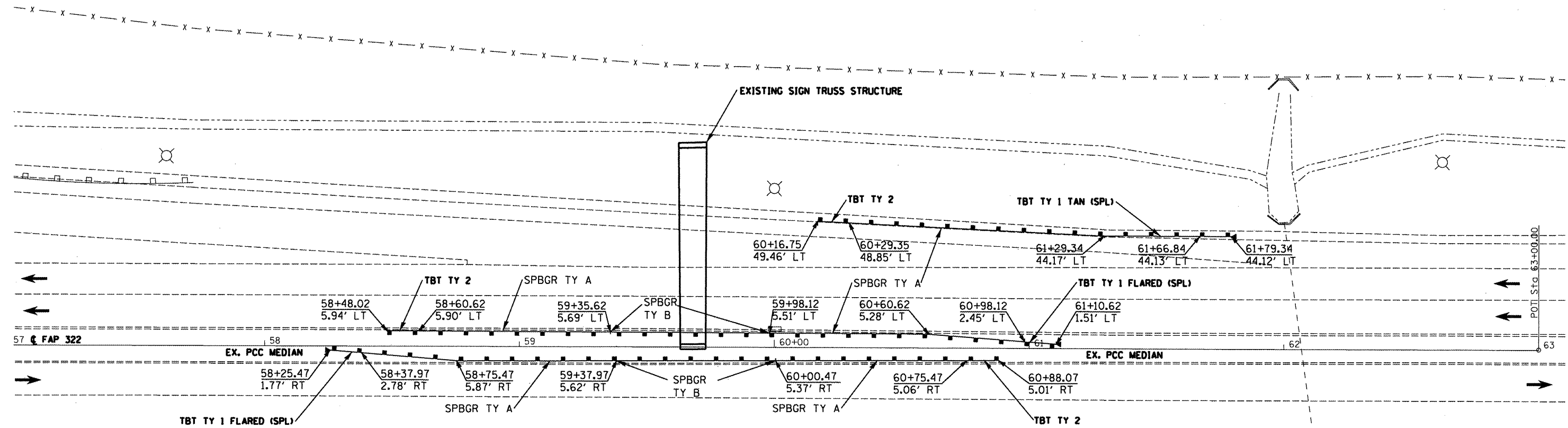
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 51 BUSINESS NORTH OF I-74

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
730	VARIOUS	MCLEAN	38	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A96	



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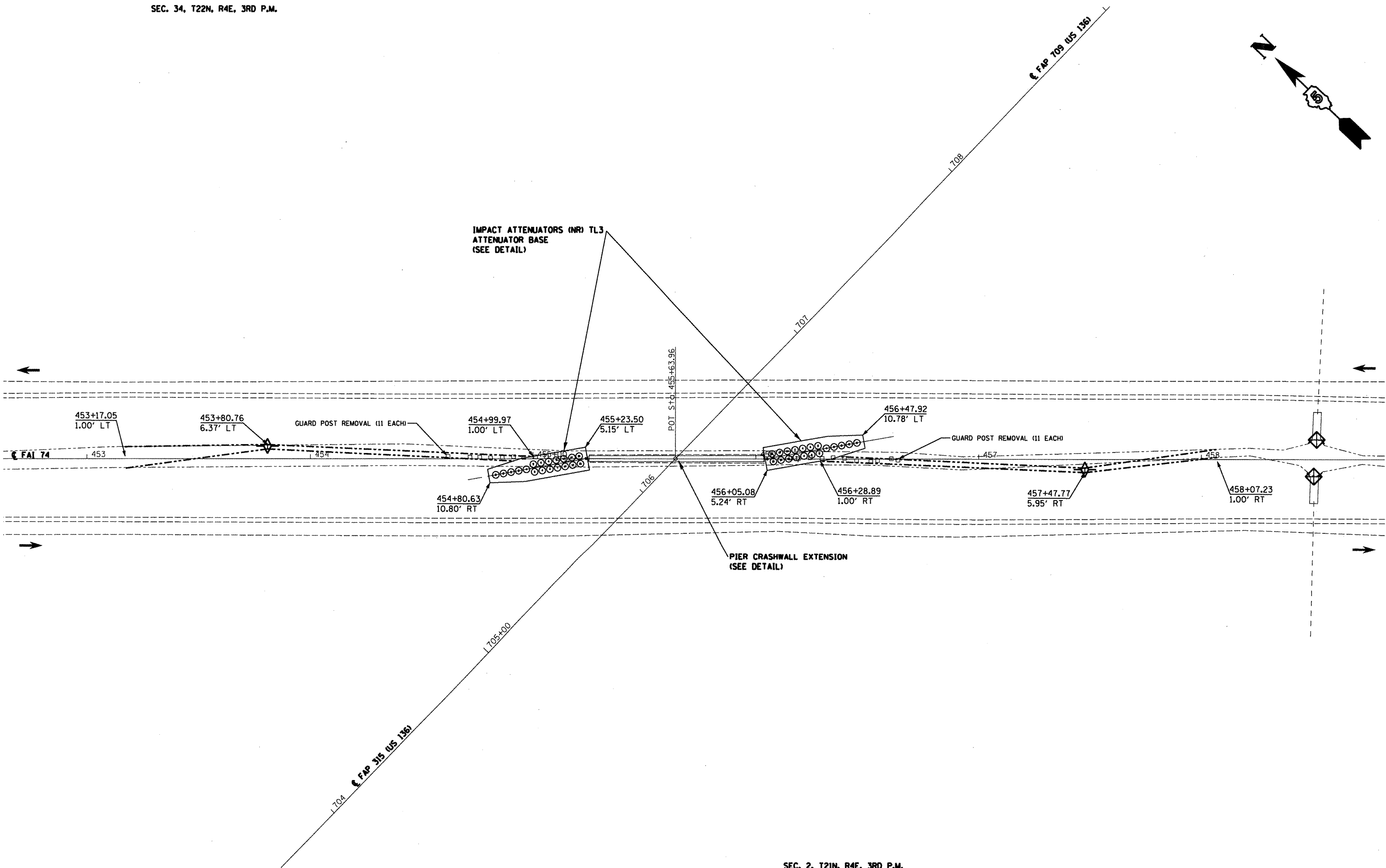
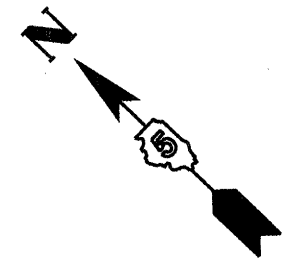
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 51 BUSINESS SOUTH OF I-74

SCALE: SHEET OF SHEETS STA. TO STA.

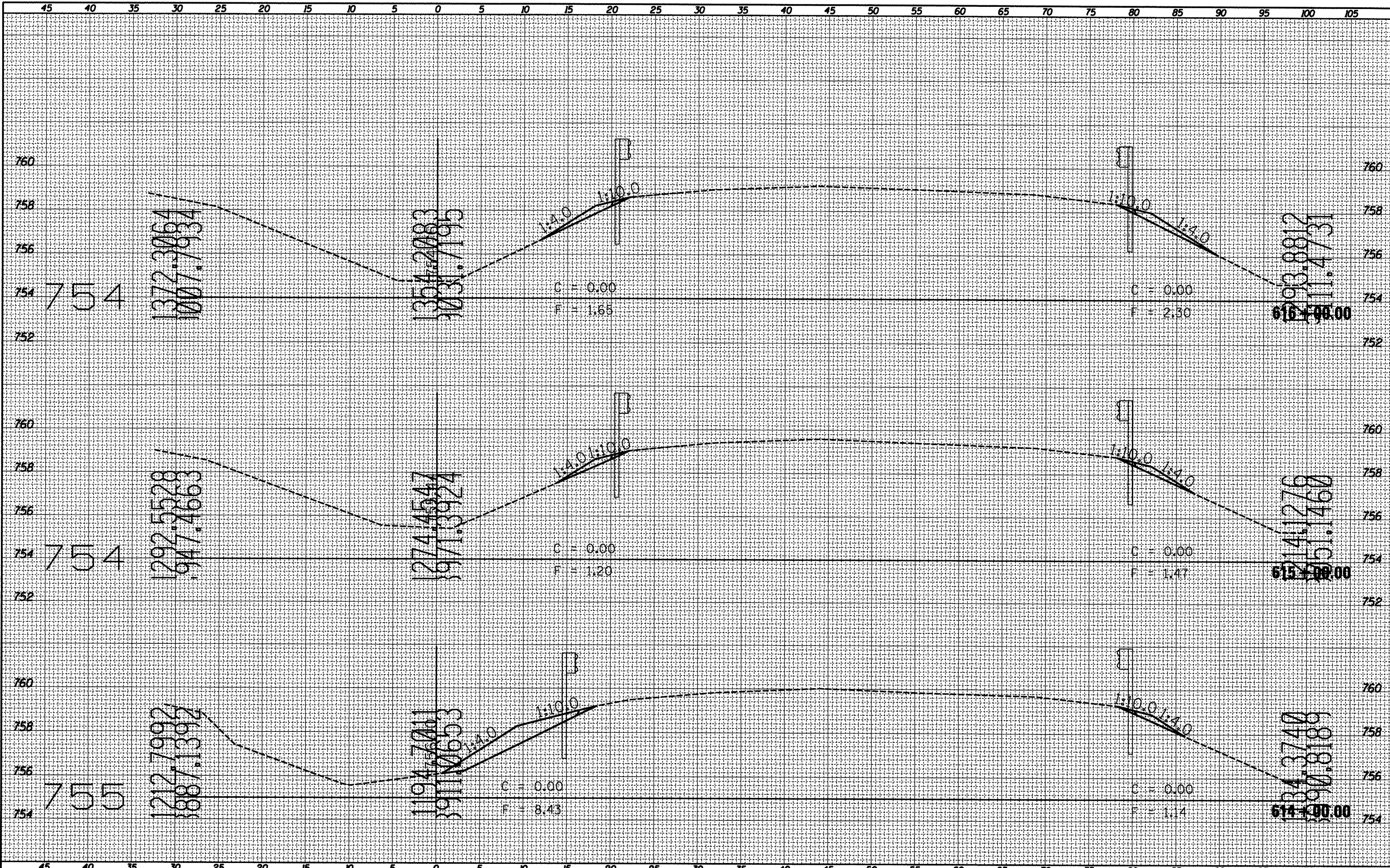
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CONTRACT NO. 68A96			ILLINOIS FED. AID PROJECT	



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	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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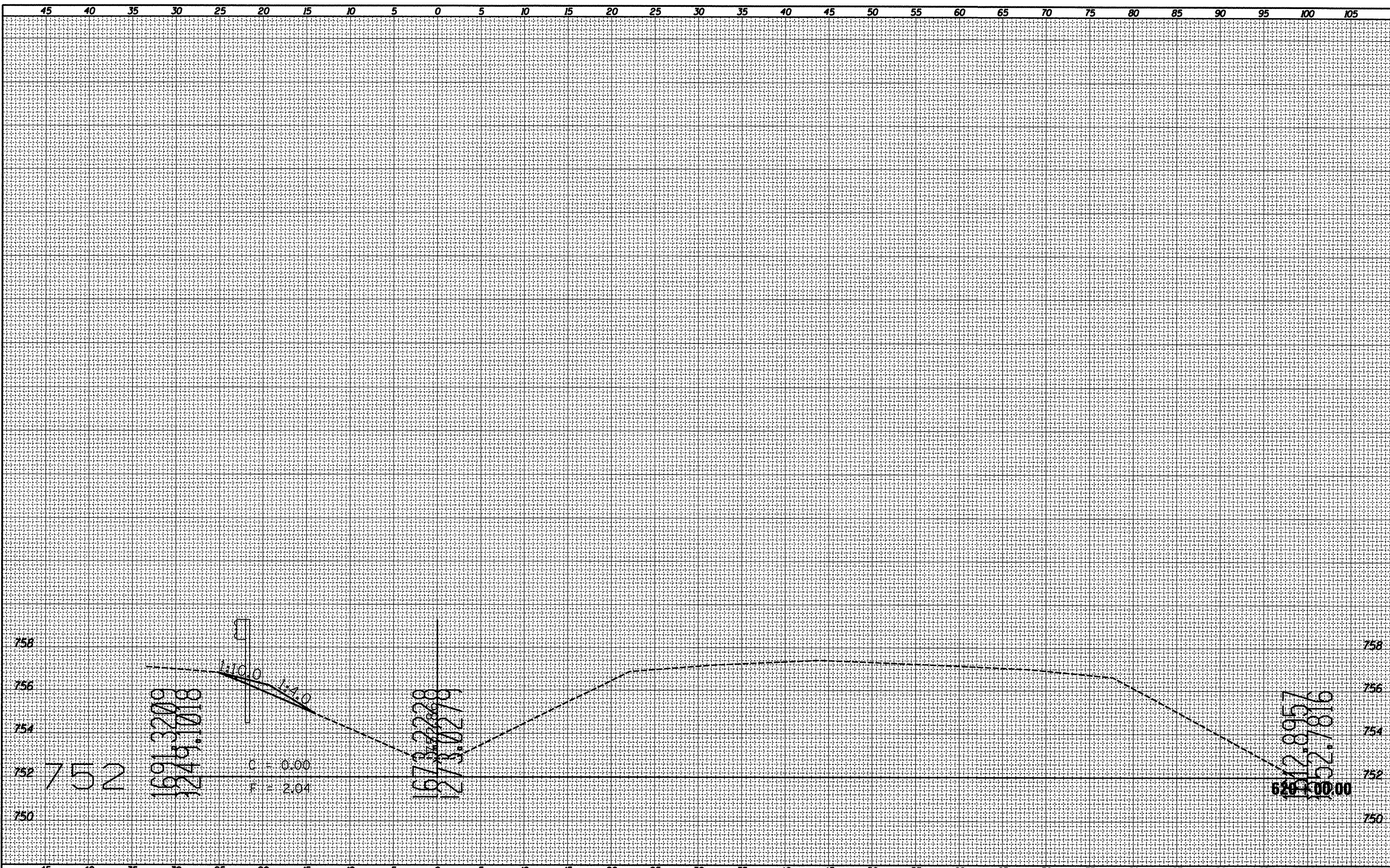
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		DATE -	REVISED -									

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

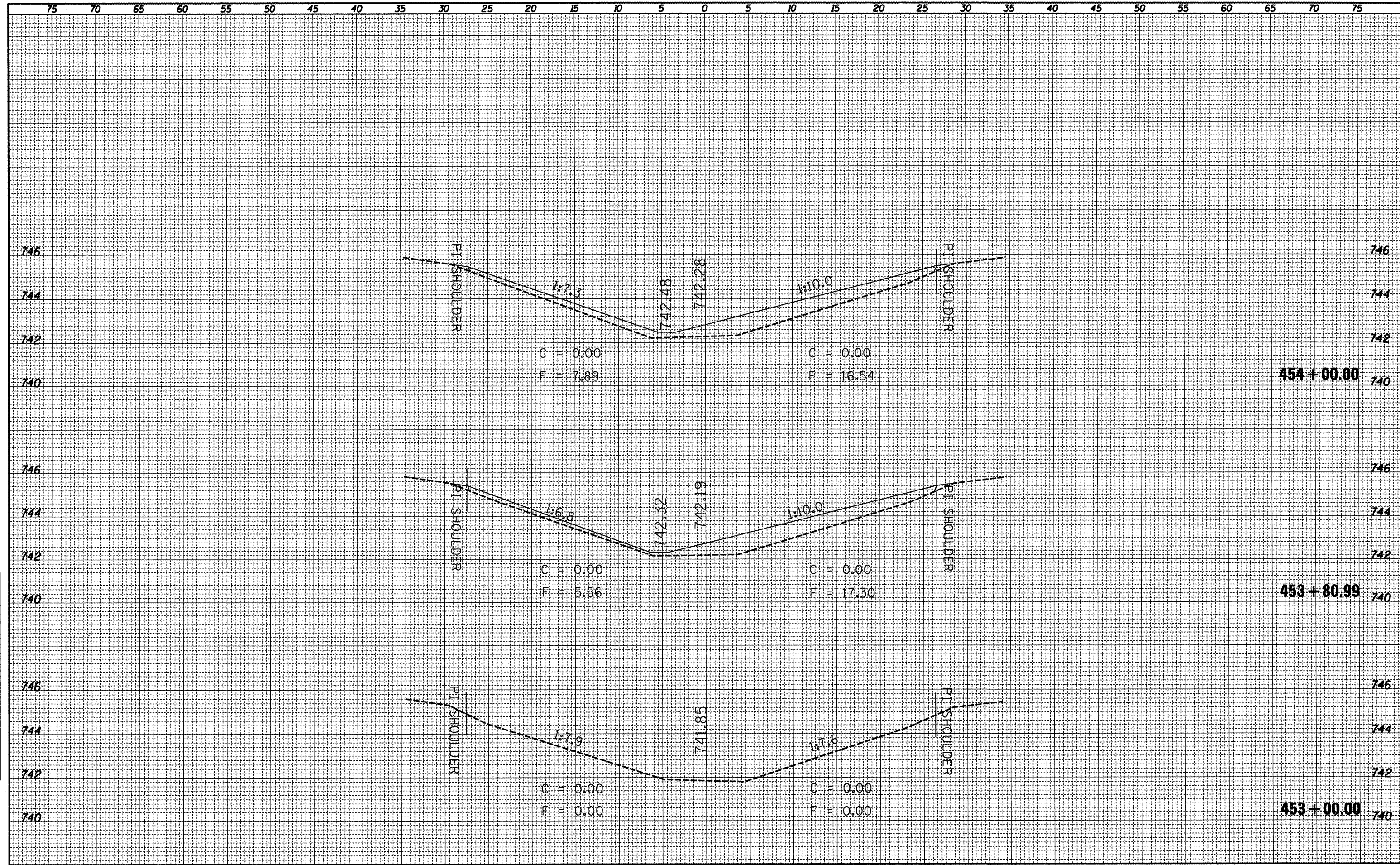
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	TEMPLATE	
	AREAS CHECKED	



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	PLOT SCALE = 10,0000' / 1"	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 68A96	
	PLOT DATE = 3/22/2012	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

DATE	
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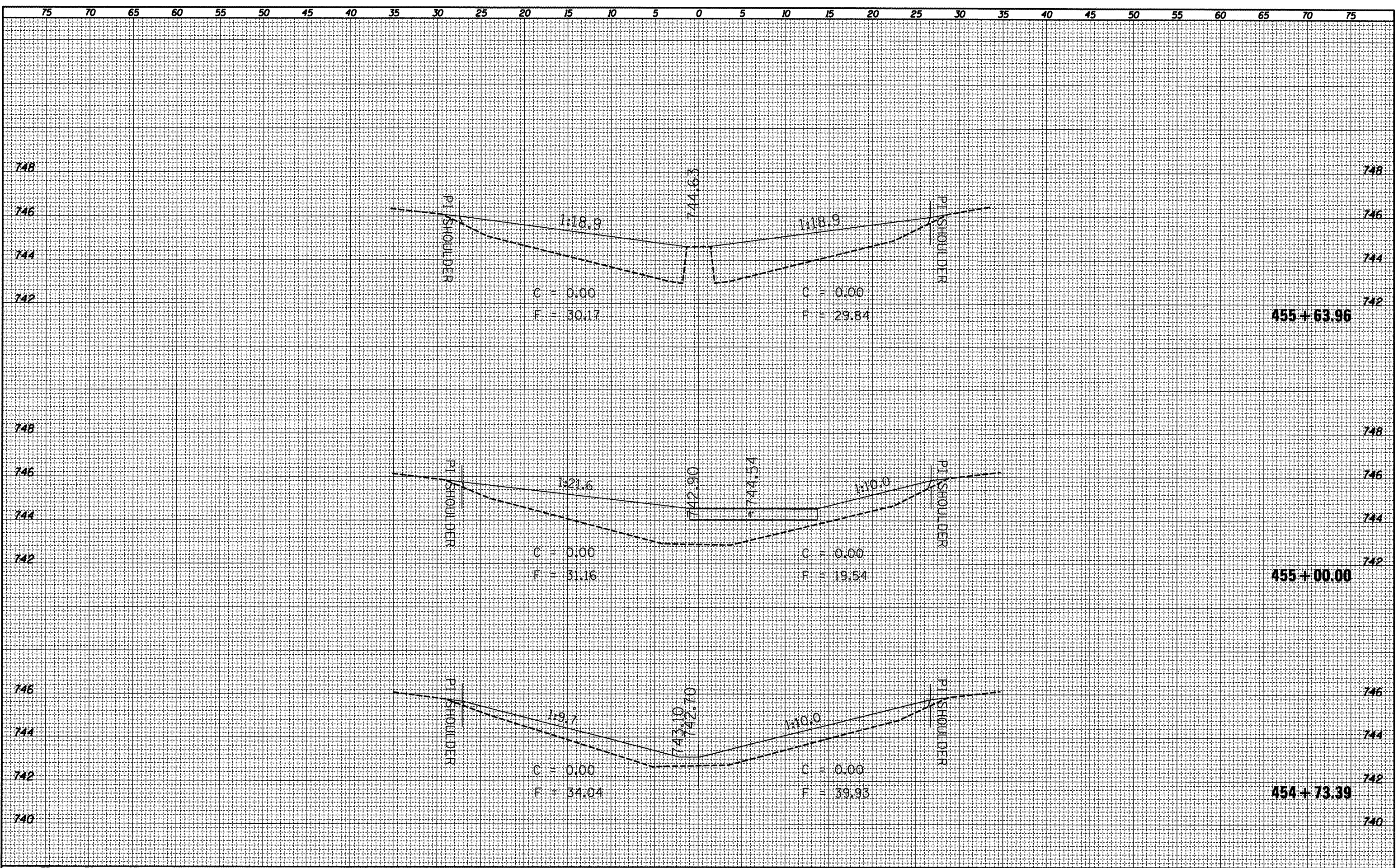
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BY	
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NOTE BOOK	
AREAS CHECKED	
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FILE NAME = DSSafety-xso-FAI74-shd.dgn	USER NAME = eversol	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-74 CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 10,0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	MCLEAN	38	24
	PLOT DATE = 3/22/2012	CHECKED -	REVISED -								CONTRACT NO. 68A96		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

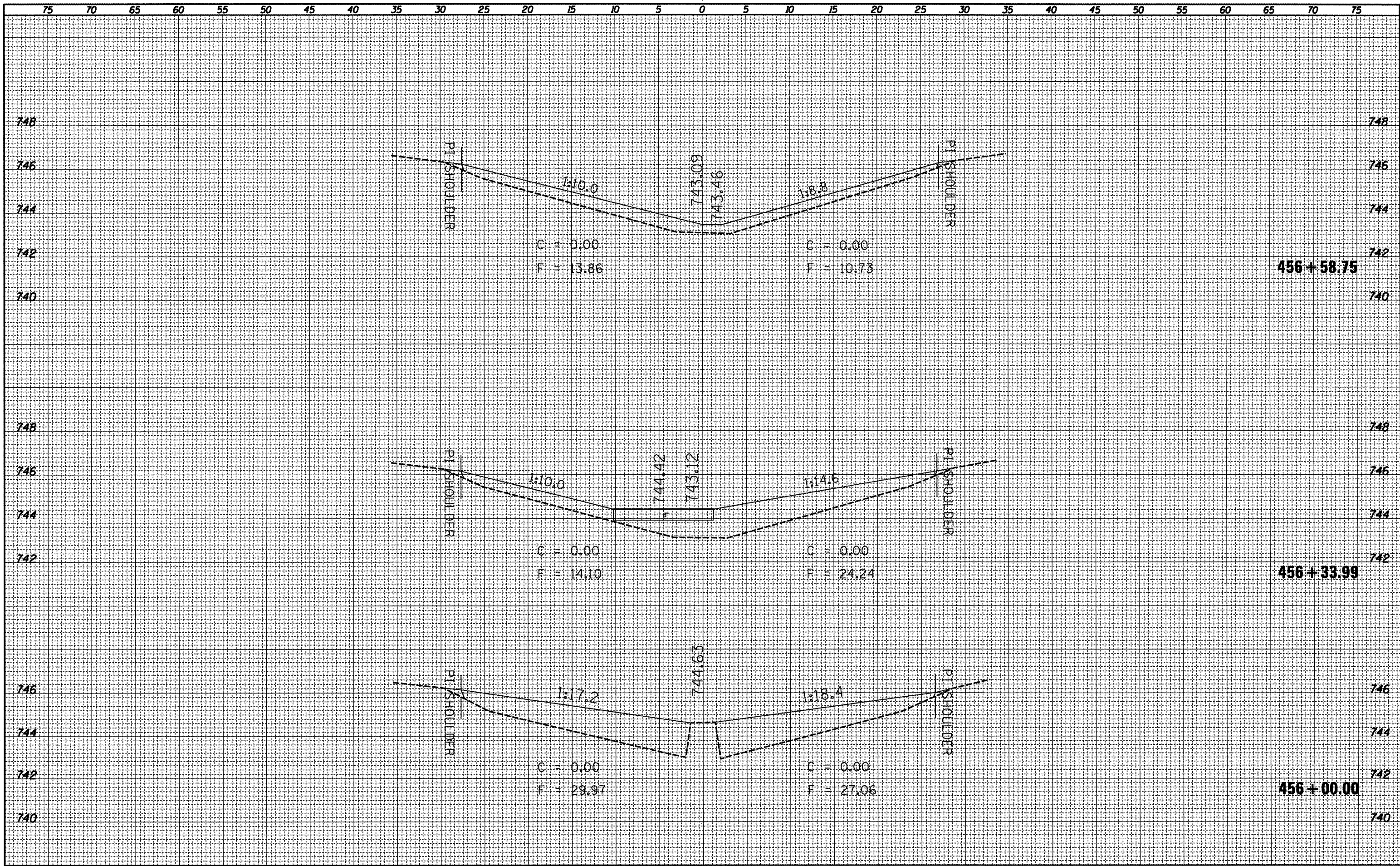
DATE	
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	AREAS CHECKED
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



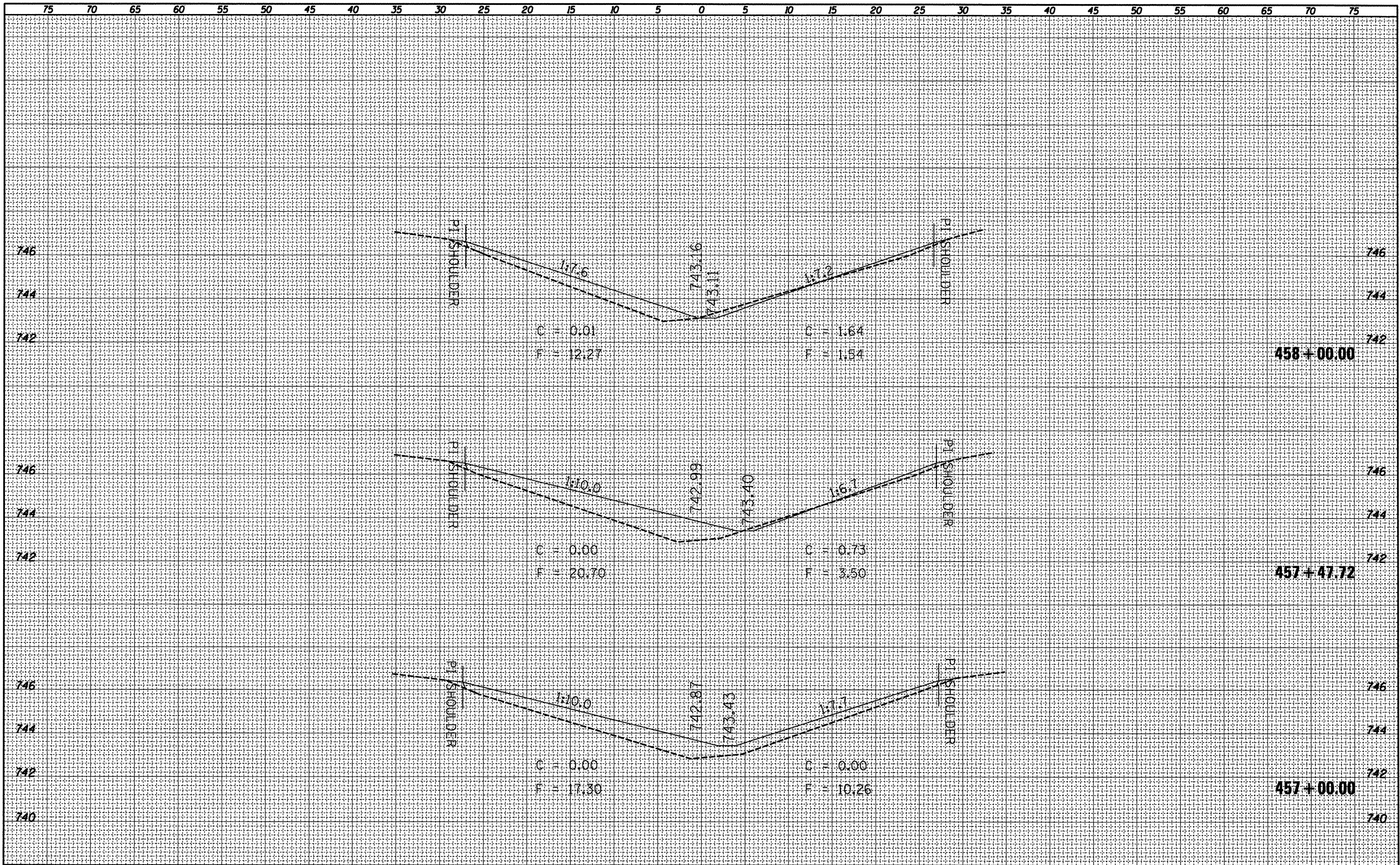
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 BY _____
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 PLOTTED _____
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 NOTE BOOK _____
 AREAS CHECKED _____
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DATE _____
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 TEMPLATE _____
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 AREAS CHECKED _____
 NO. _____



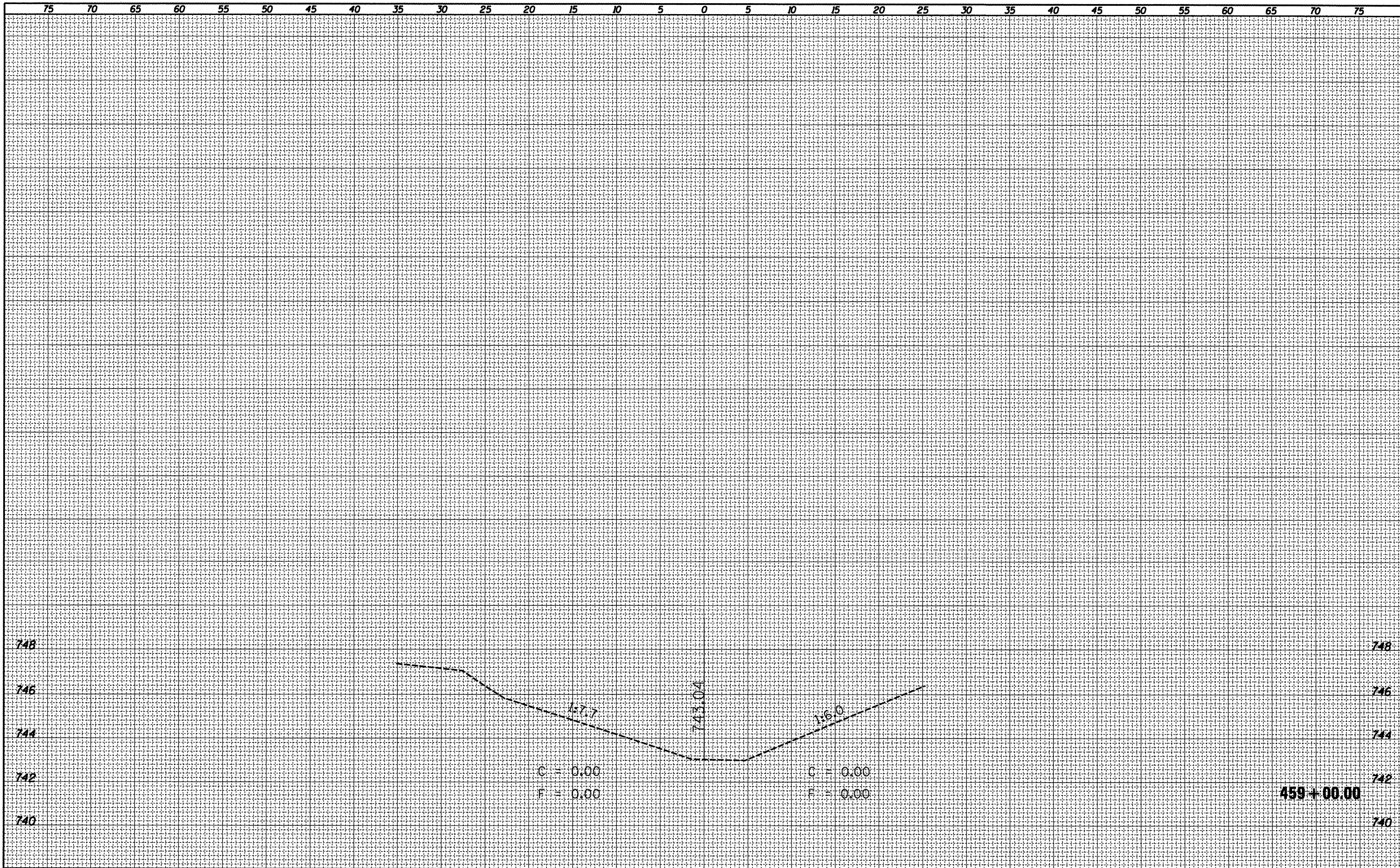
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NOTE BOOK	
AREAS CHECKED	

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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



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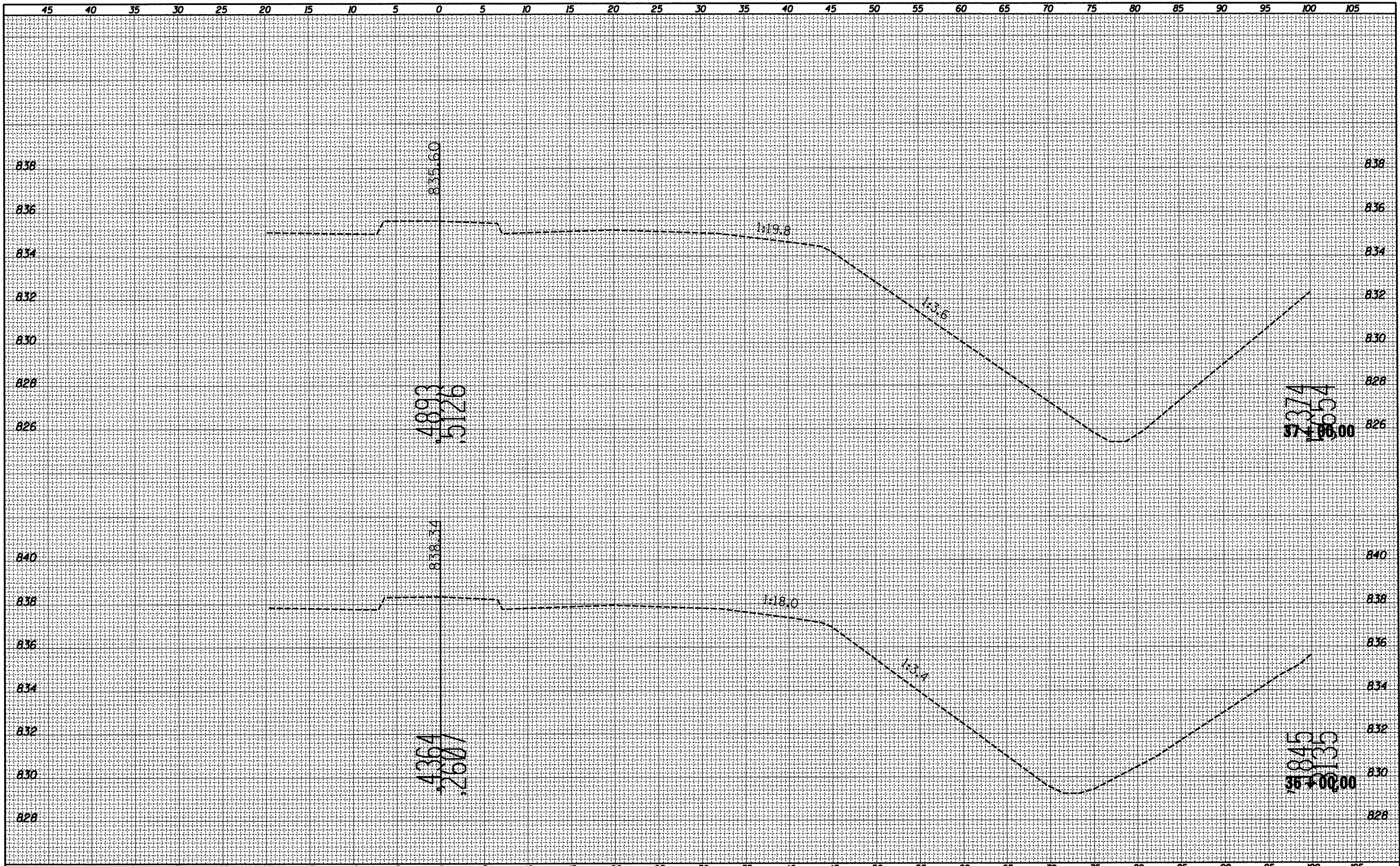
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = evercol	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-74 CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DBSafety-xsc-FAI74-ahd.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
		CHECKED -	REVISED -									38	28
		DATE -	REVISED -									CONTRACT NO. 68A96	

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

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



FILE NAME = 055ofety-xac-05518uan-sh.tdgn
 USER NAME = everacl
 PLOT SCALE = 10,0000' / 1"
 PLOT DATE = 3/22/2012

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

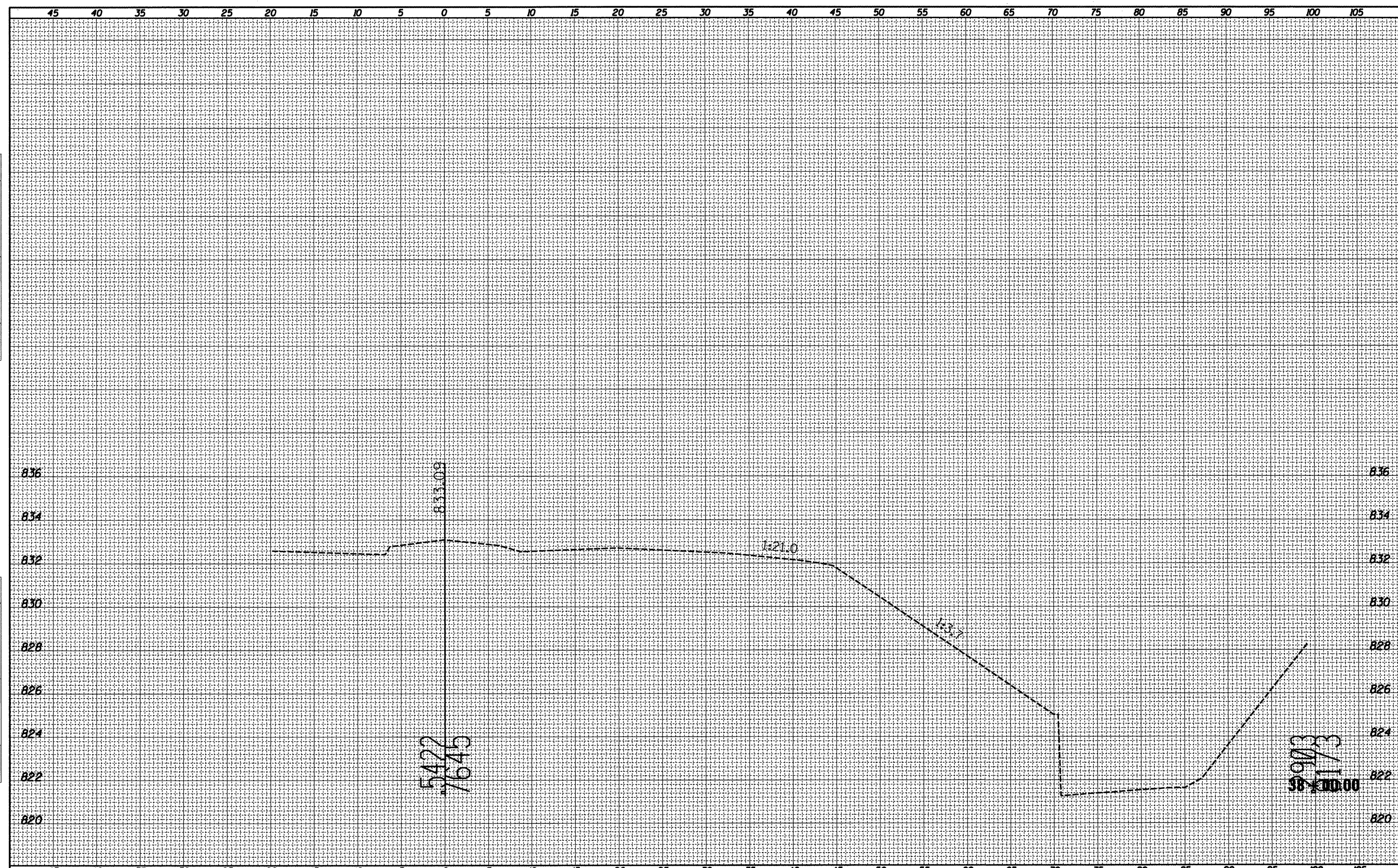
BUSN US 51 CROSS SECTIONS

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	29
CONTRACT NO. 68A96			ILLINOIS FED. AID PROJECT	

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

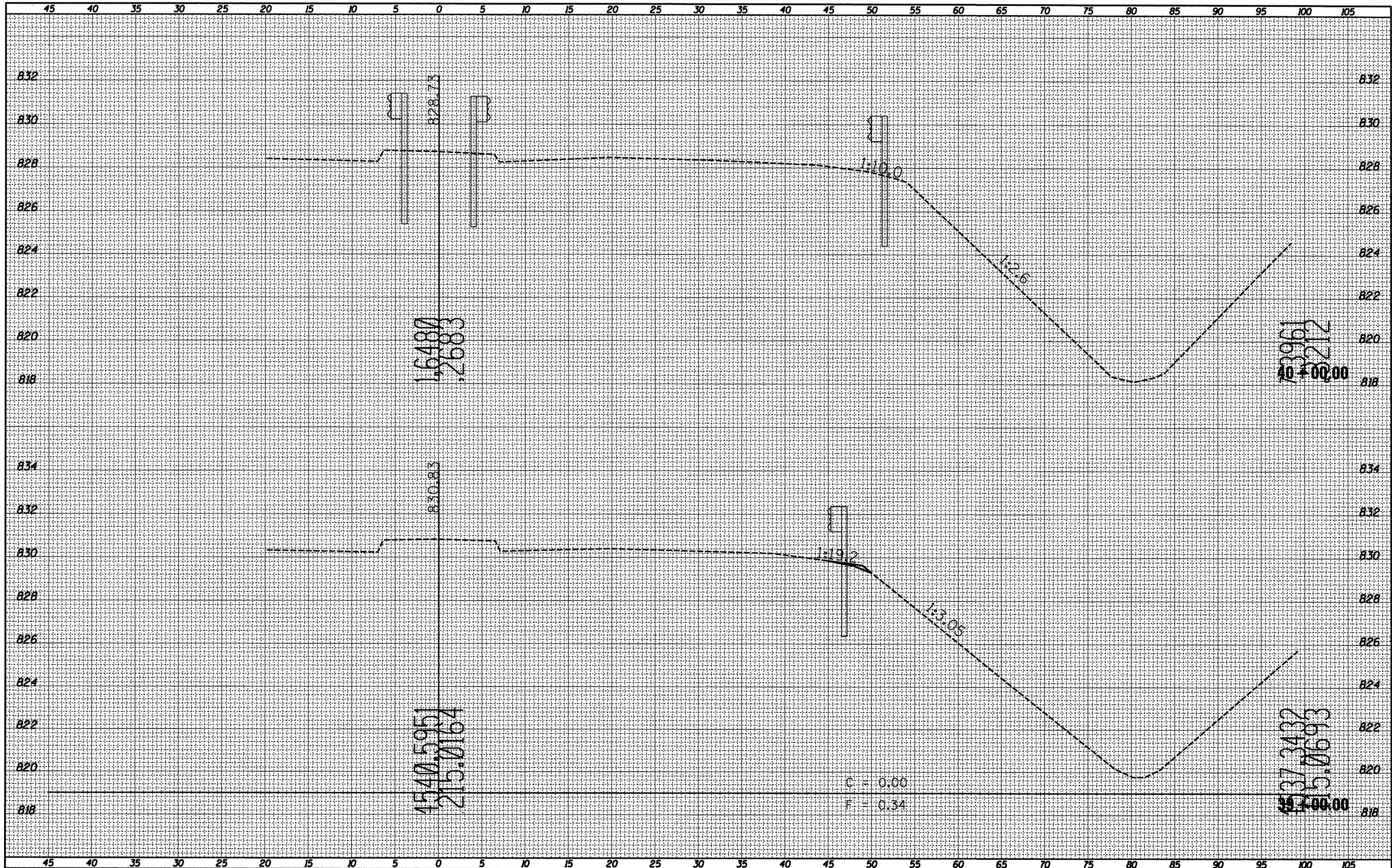
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SHEET	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



FILE NAME = 05Safety-xac-US51Busn-sht.dgn	USER NAME = everacl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSN US 51 CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	VARIOUS	MCLEAN	38	30
		CHECKED -	REVISED -		CONTRACT NO. 68A96									
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

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

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



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 USER NAME = everscl
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/22/2012

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

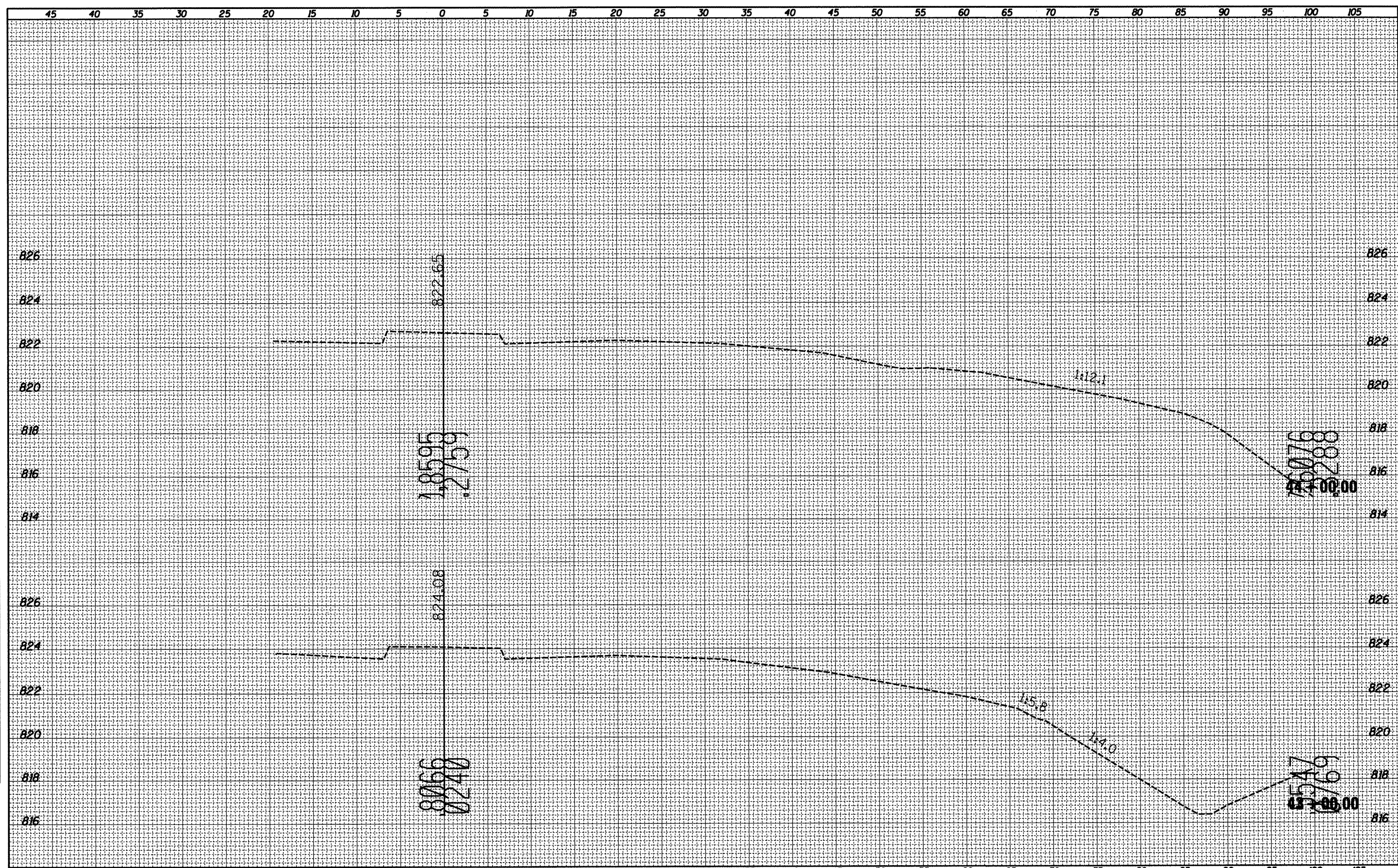
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BUSN US 51 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	37
CONTRACT NO. 68A96			ILLINOIS FED. AID PROJECT	

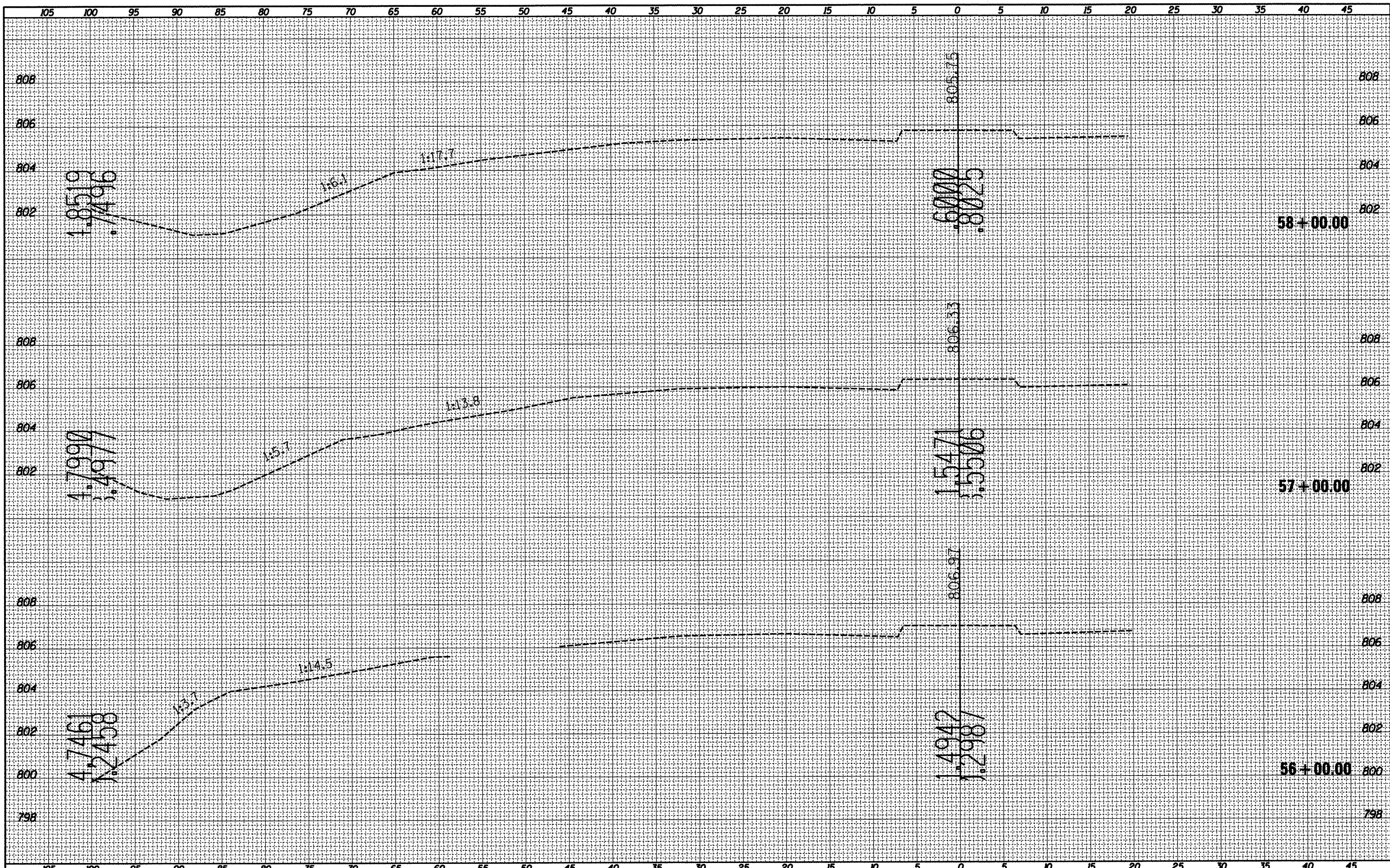
DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	
NO.	



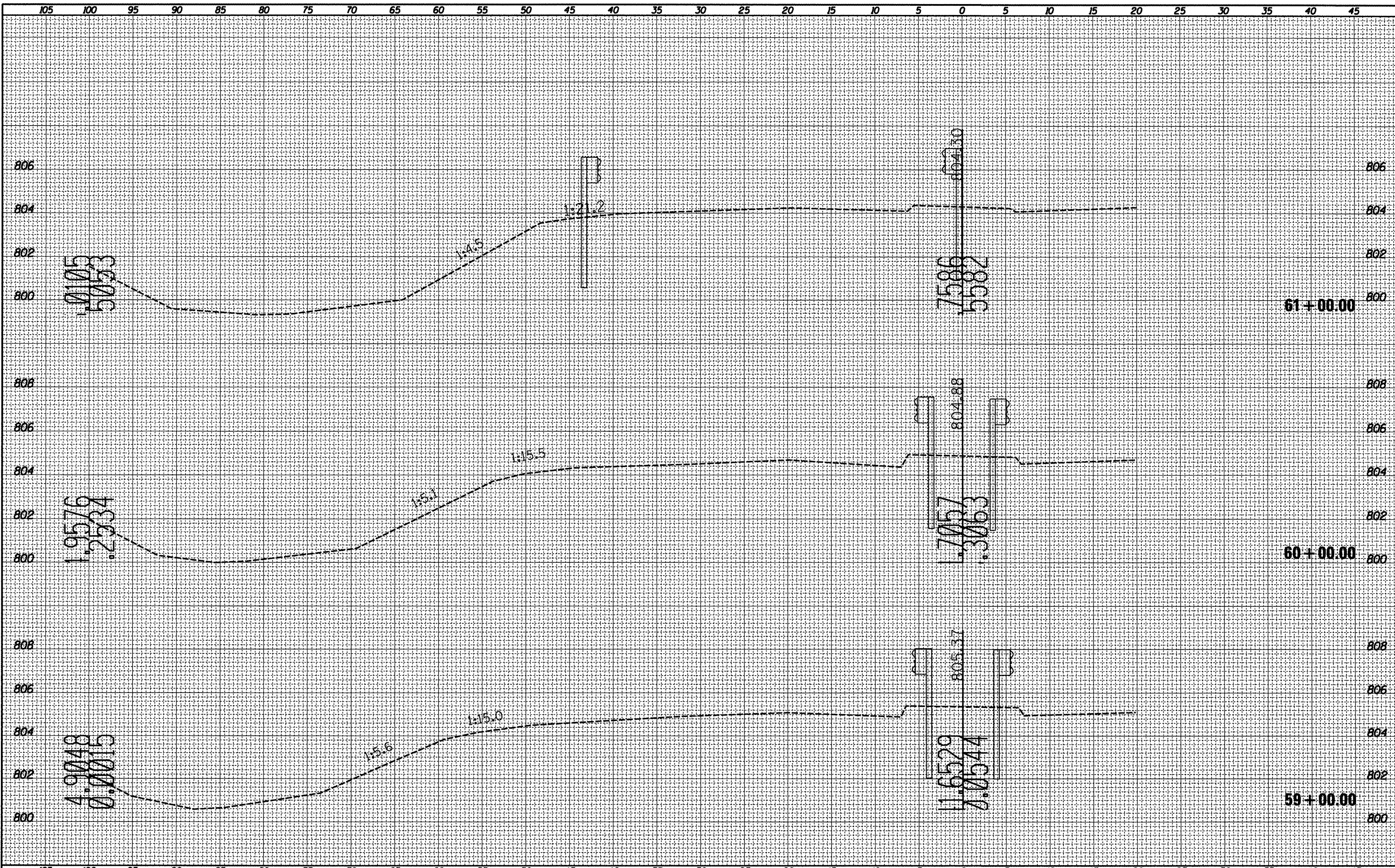
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

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



DATE	
BY	
SURVEYED	
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NOTE BOOK	
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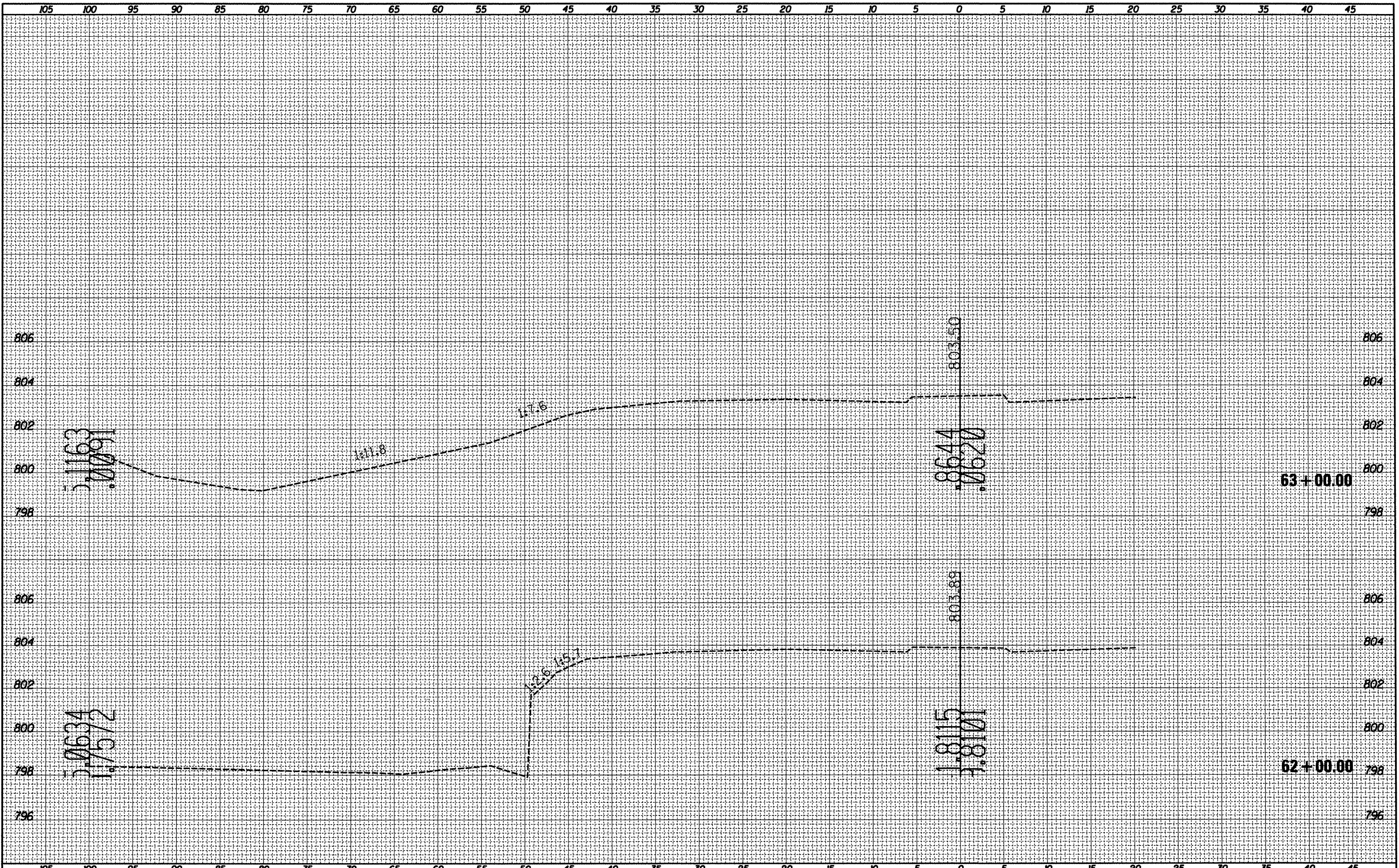
DATE	
BY	
SURVEYED	
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NOTE BOOK	
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FILE NAME = 05Safety-xac-US51Busn-sh.tdgn	USER NAME = averac1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUSN US 51 CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	MCLEAN	38	35
		CHECKED -	REVISED -		CONTRACT NO. 68A96								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

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

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
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FILE NAME = D:\safaty-xsc-US51Busn-sht.dgn

USER NAME = everacl
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/22/2012

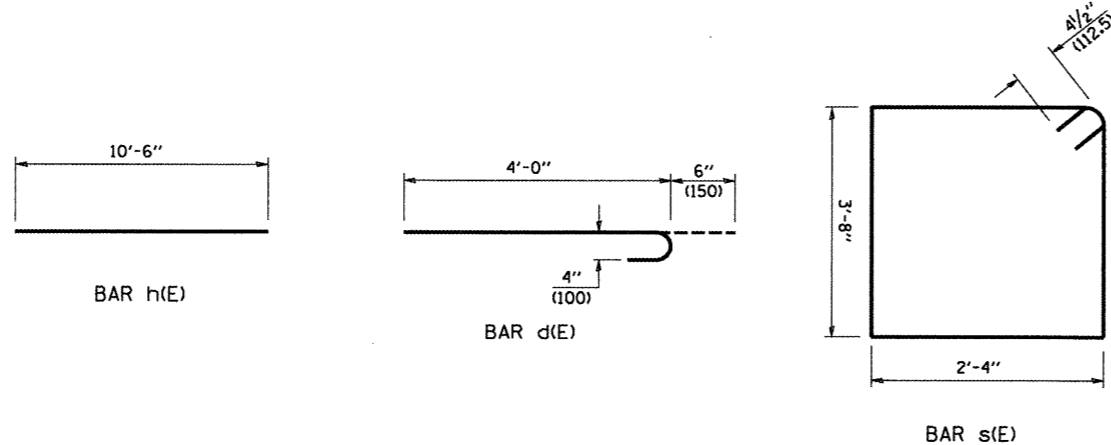
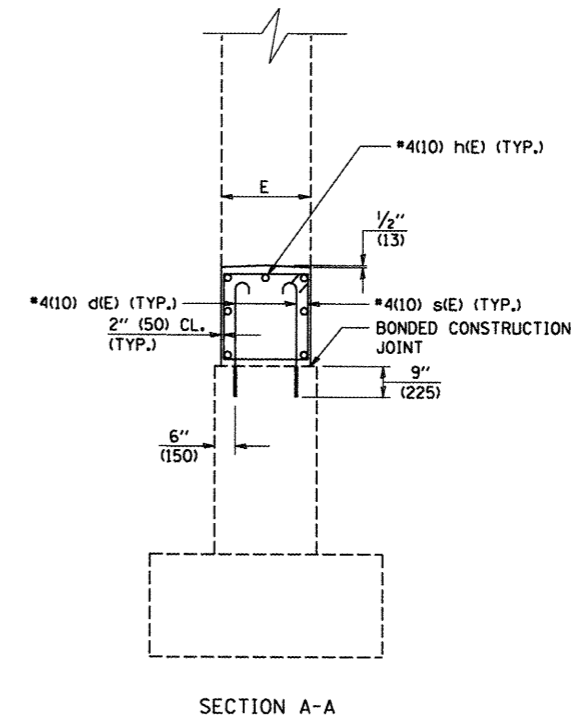
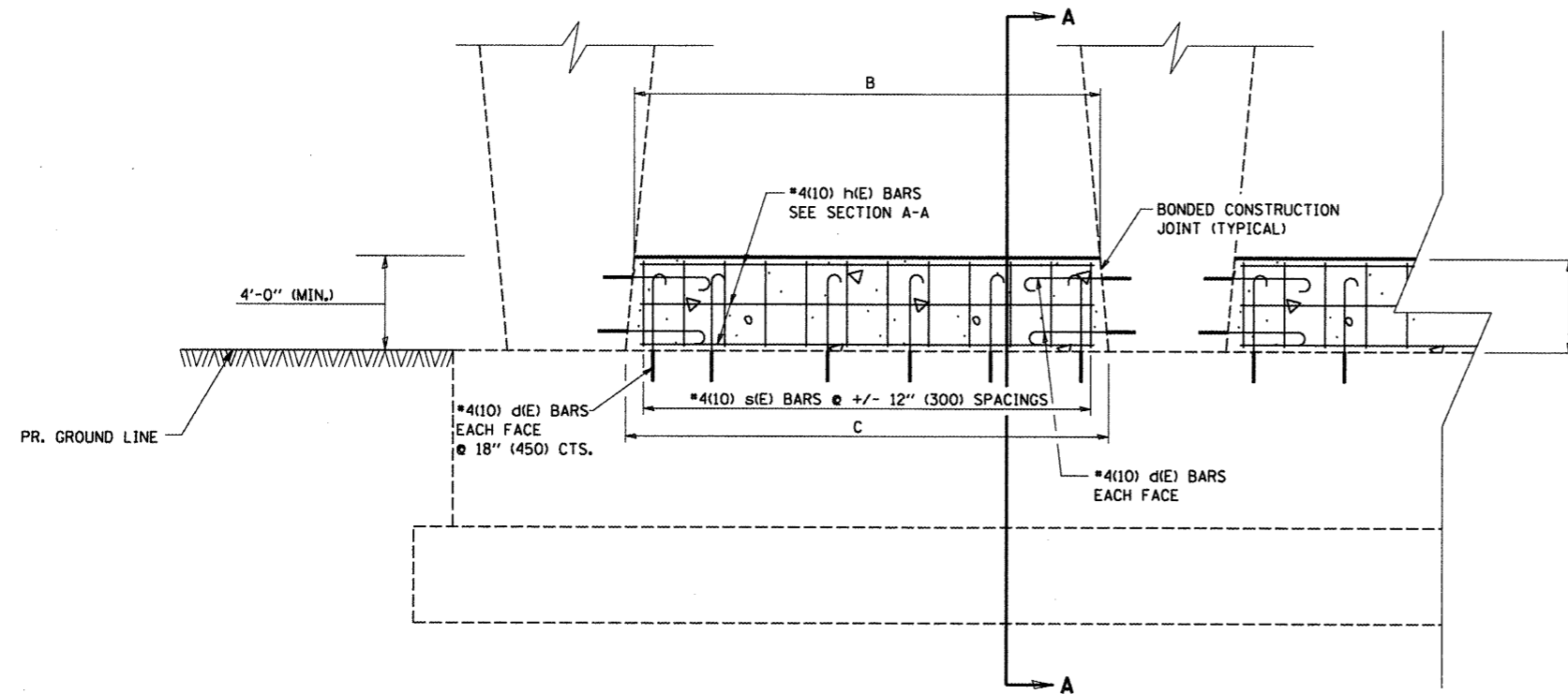
DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BUSN US 51 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	36
			CONTRACT NO. 68A96	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE DRILLED HOLES FOR THE d(E) BARS SHALL BE 1/4 " (7 mm) LARGER THAN THE DIAMETER OF THE BAR. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. SEE SPECIAL PROVISIONS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

DIMENSION TABLE

STATION	B	C	D	E
STA. 455+63.96(FAI 74 MCLEAN CO)	10'-10 3/8"	11'-6"	4'-0"	2'-8"

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU. YD.	22
REINFORCEMENT BARS, EPOXY COATED	LB.	1,075

BAR TABLE

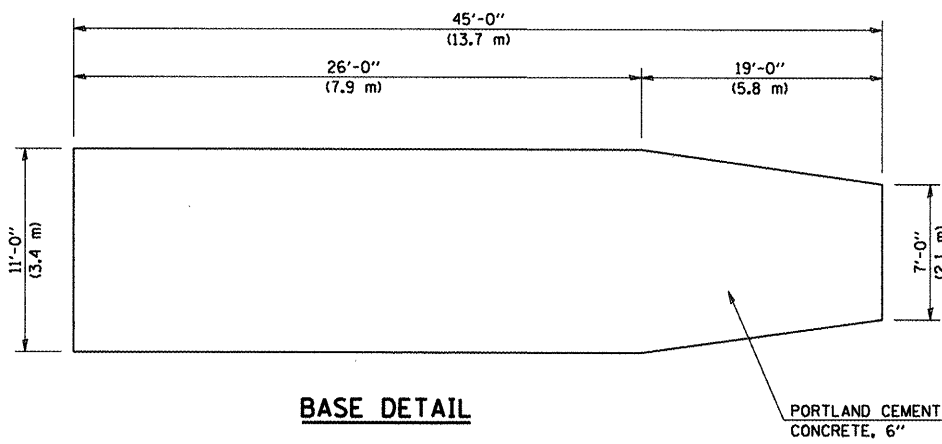
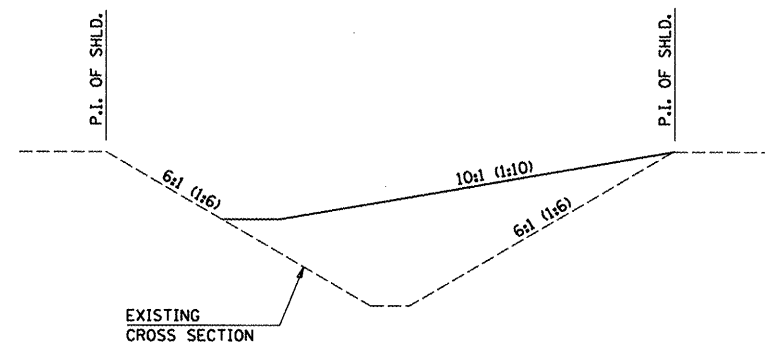
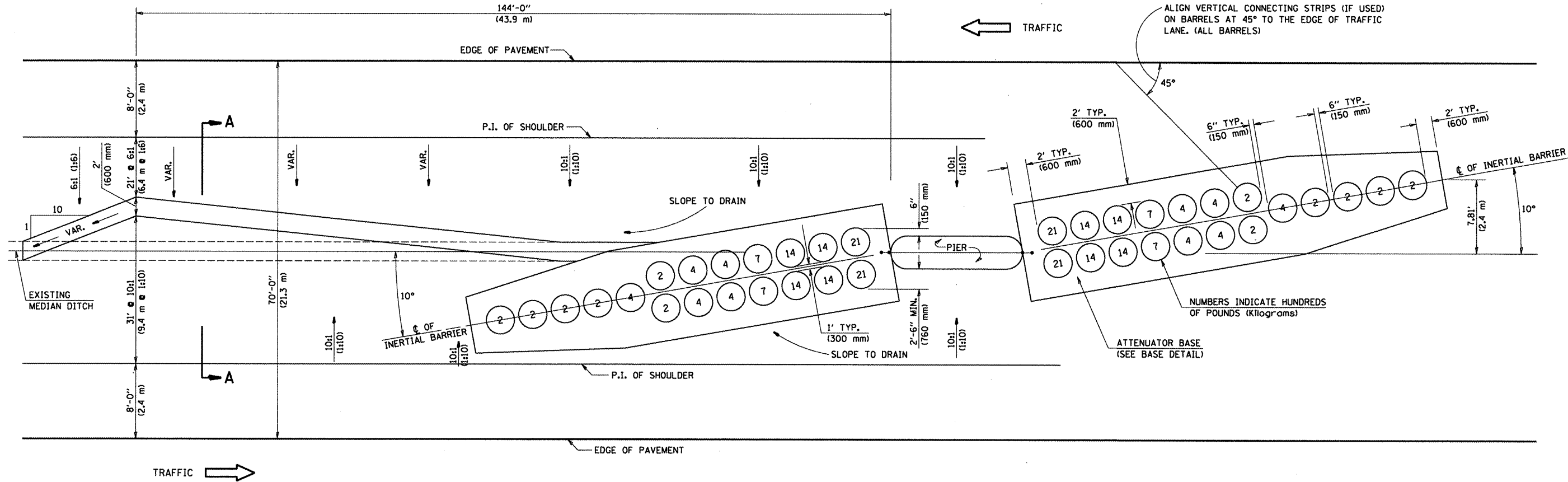
BAR	QTY.	SIZE	LENGTH	SHAPE
d(E)	120	#4(10)	4'-6"	┌
s(E)	55	#4(10)	12'-9"	□
h(E)	35	#4(10)	10'-6"	—

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. XX002909C

FILE NAME = D5Safety-sht-details.dgn	USER NAME = everocl	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CRASHWALL EXTENSION (MULTIPLE COLUMN PIER)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 1' = 1"	DRAWN -	REVISED - 10/08 KJT			VARIOUS	MCLEAN	38	37	
	PLOT DATE = 3/22/2012	CHECKED -	REVISED - 05/11 KJT			CONTRACT NO. 68A96				
		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

70 MPH (110 km/h) DESIGN - 70' (21 m) MEDIAN



GENERAL NOTES

- ALL 10:1 (1:10) SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 (1:10) OR FLATTER.
- THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
- THE LENGTH X WIDTH OF MODULE LAYOUT IS 41.0' x 7.0' : 19 MODULES - 14,400 LBS. (12.5 m x 2.1 m : 19 MODULES - 6532 kg).
- IN AREAS OF 10:1 (1:10) SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' (1.5 m) INTERVALS IN THE MEDIAN ϕ . SEE SPECIAL PROVISIONS AND SCHEDULES.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. Z0030150D

FILE NAME =	USER NAME = evercol	DESIGNED -	REVISED - 11/06
D5Safety-shd-details.dgn		DRAWN -	REVISED - 12/08
		CHECKED -	REVISED - 05/11
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	MCLEAN	38	38
			CONTRACT NO. 68A96	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE BDE PROCEDURE MEMORANDUM 34-06