

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)L,I	TAZEWELL	36	1
		ILLINOIS	CONTRACT NO. 68934	

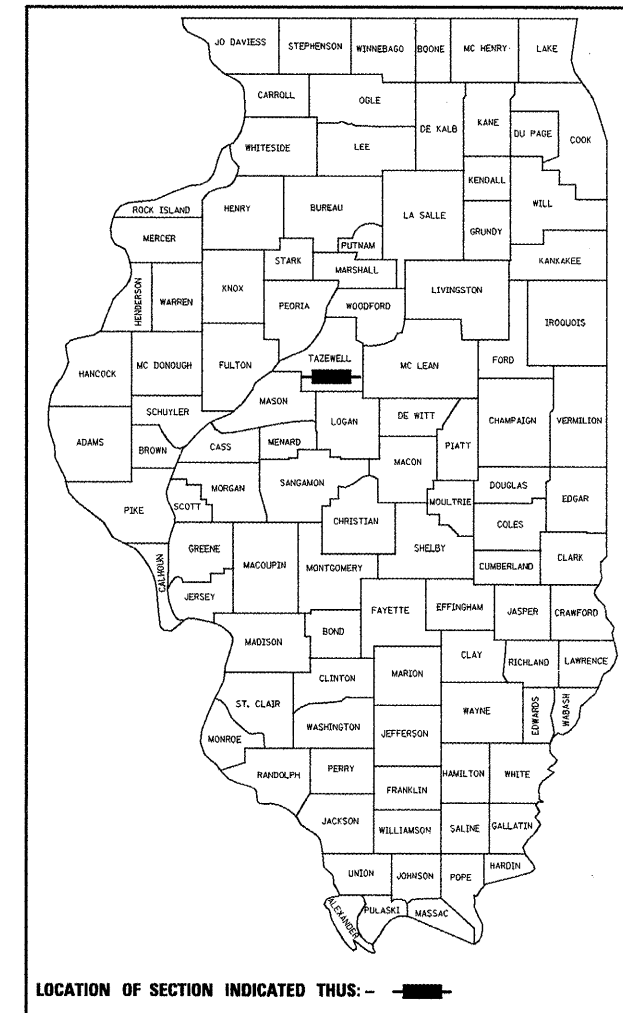
FOR INDEX OF SHEETS

- 1 COVER SHEET / SIGNATURE BLOCK
- 2-4 COMMITMENTS / GENERAL NOTES
- 5-6 SUMMARY OF QUANTITIES
- 7 EXISTING / PROPOSED TYPICAL SECTIONS
- 8-11 SCHEDULE OF QUANTITIES
- 12 PLAN SHEET
- 13 REMOVAL SHEET
- 14 EROSION CONTROL PLAN
- 15 INTERSECTION LIGHTING
- 16 ELECTRIC SERVICE INSTALLATION DETAIL
- 17-35 CROSS SECTIONS
- 36 PIPE CULVERT EXTENSION COLLAR DETAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAP 705 ROUTE IL 122
SECTION (126)L,I
PROJECT HSIP-0705(019)
TYPE OF IMPROVEMENT: SAFETY
TAZEWELL COUNTY

D-94-100-09



HIGHWAY STANDARDS

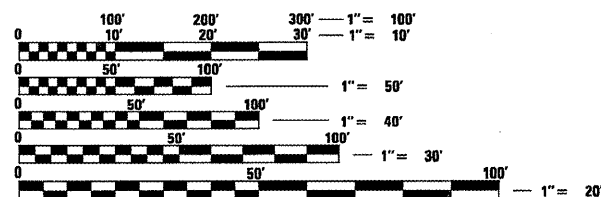
- 280001-05
- 542301-02
- 602401-02
- 602601-02
- 604036-02
- 701006-03
- 701201-03
- 701301-01
- 701901-01
- 780001-02

- 880001-01
- B.L.R. 21-8

IMPROVEMENT BEGINS
STA. 9+36 (SPRINGFIELD RD)

IMPROVEMENT ENDS
STA. 9+88 (SPRINGFIELD RD)

ADT = 225 (2008)

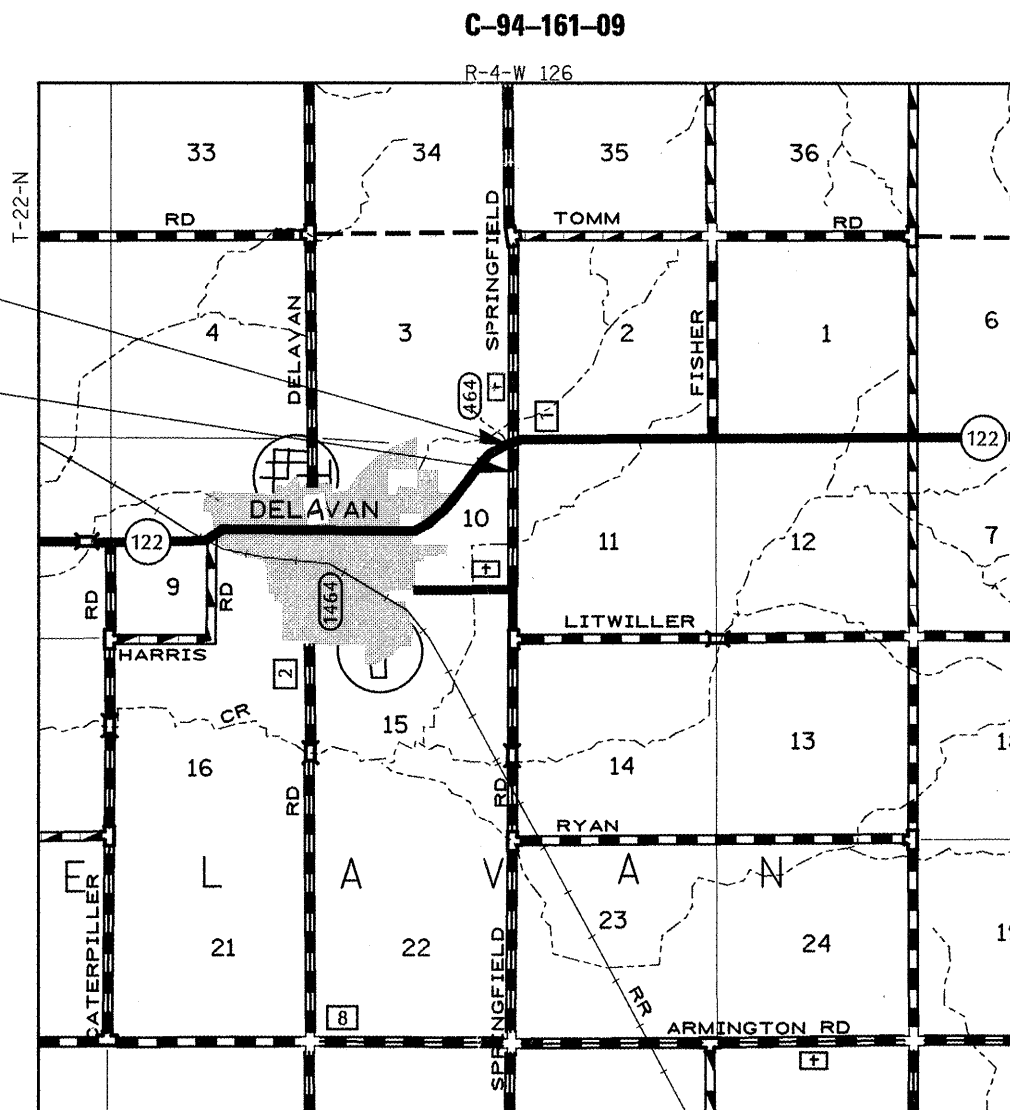


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: CHRISTOPHER MAUSHARD 671-3453
PROJECT MANAGER: SOBHI LABABIDI/JOHN LOVE 671-3460

CONTRACT NO. 68934
CATALOG NO. 034317-00D



GROSS LENGTH = 60 FT. = 0.011 MILE
NET LENGTH = 60 FT. = 0.011 MILE



PROJECT DESCRIPTION

LIGHTING AND DRAINAGE IMPROVMENTS
AT THE SOUTH INTERSECTION OF IL 122 AND
SPRINGFIELD ROAD, EAST OF DELAVAN

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *Jan 20 2010*

[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19 2010
Scott E. Stitt, PE
 ACTING ENGINEER OF DESIGN AND ENVIRONMENT

March 19 2010
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COMMITMENTS

COMMITMENT ARE NOT TO BE ALTERED WITHOUT THE WRITTEN CONSENT OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

1. CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 10 DAYS PRIOR TO THE CLOSURE OF SPRINGFIELD ROAD SOUTH LEG

DELAVAN RD COMMISSIONER	JOHN LARIMORE	(309) 244-8664
TAZCOM / TAZEVELL COUNTY SHERIFF	-	(309) 346-4144
US POST OFFICE	-	(309) 244-8267
TAZEVELL COUNTY ENGINEER	JOHN ANDERSON	(309) 925-5532
* ANY OTHER CONTACTS DEEMED NECESSARY BY THE RESIDENT ENGINEER		

2. NO ROAD CLOSURE SHALL BE ALLOWED AFTER AUGUST 31ST DUE TO HARVEST SEASON

UTILITIES – LOCATIONS /INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown — all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

FILE NAME = D468934-sht-cover_line Diagram.dgn	USER NAME = l0bobdism	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.2283' / IN.	CHECKED -	REVISED -	705			(126)L,I	TAZEVELL	36	2	
PLOT DATE = 1/28/2010	DATE -	REVISED -	CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.			

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.

FILE NAME = D468934-shr-cover_line Diagram.dgn	USER NAME = lobbudism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.2283' / IN.	DRAWN -	REVISED -					705	(126)L,I	TAZEWELL	36	3
PLOT DATE = 1/28/2010	CHECKED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.					CONTRACT NO. 68934				
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

AGGREGATE SHOULDER , TYPE B

Aggregate shoulder, Type B shall be required for all granular construction of side roads, entrances, and mailbox turnouts, whether or not portions of the surfaces thus constructed are to be covered with a bituminous surface, except where noted differently on the plans.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Contract 68934: IL 122, intersection of IL 122 & Springfield Rd (South Quad)

The following mixture requirements are applicable for this project:

Mixture Use(s):	Surface Course 2"	HMA Base Cse 6"
AC/PG:	PG 64-22	PG 64-22
RAP% (Max): **	15%	25%
Design Air Voids:	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0
Friction Aggregate:	Mix C	N.A.

** If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

ORDERING LENGTH CONFIRMATION – DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tiles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

FILE NAME = 0468934-shr-cover_line Diagram.dgn	USER NAME = lobbisdsm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.2283' / IN.	DRAWN -	REVISED -			705	(126)L,I	TAZEWELL	36	4	
PLOT DATE = 1/28/2010	CHECKED -	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 68934	
	DATE -	REVISED -									

SUMMARY OF QUANTITIES

90/10 FED/ST

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY 1000 90/10	SAFETY Y031-1F TRAFFIC SIGNALS	SAFETY Y030-1E HIGHWAY LIGHTING
20200100	EARTH EXCAVATION	CU YD	23	23		
20400800	FURNISHED EXCAVATION	CU YD	44	44		
20800150	TRENCH BACKFILL	CU YD	19	19		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	213	213		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	414	414		
21400100	GRADING AND SHAPING DITCHES	FOOT	256	256		
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.1		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9		
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	414	414		
28000305	TEMPORARY DITCH CHECKS	FOOT	144	144		
28000400	PERIMETER EROSION BARRIER	FOOT	140	140		
28000500	INLET AND PIPE PROTECTION	EACH	4	4		
28100203	STONE RIPRAP, CLASS A2	TON	3	3		
28200200	FILTER FABRIC	SQ YD	9	9		
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	73	73		
35501450	HOT - MIX ASPHALT BASE COURSE	TON	52	52		
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	0.4	0.4		
40600300	AGGREGATE (PRIME COAT)	TON	0.2	0.2		
40603310	HOT - MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	18	18		
44000100	PAVEMENT REMOVAL	SQ YD	133	133		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	19	19		
50104400	CONCRETE HEADWALL REMOVAL	EACH	3	3		

FILE NAME =
D468934-sht-500.dgn

USER NAME = lebabidism

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 100.0000' / IN.

CHECKED -

REVISED -

PLOT DATE = 1/28/2018

DATE -

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P.
RTE.

705

SECTION

(126)L,I

COUNTY

TAZEWELL

TOTAL
SHEETS

36

SHEET
NO.

5

CONTRACT NO. 68934

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

90/10 FED/ST.

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY I000 90/10	SAFETY Y031-1F TRAFFIC SIGNALS	SAFETY Y030-1E HIGHWAY LIGHTING
50105220	PIPE CULVERT REMOVAL <i>CONCRETE</i>	FOOT	32	32		
54213663	PRECAST REINFORCED FLARED END SECTIONS 18"	EACH	2	2		
54247110	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	2	2		
54248515	CONCRETE COLLAR	EACH	1	1		
550B0090	STORM SEWERS, CLASS B, TYPE 1 18"	FOOT	91	91		
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	72	72		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	12	12		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	206	206		
* 80400105	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1		1	
* 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	16		16	
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	65		65	
* 81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	124		124	
* 81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	24		24	
* 81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	3		3	
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	81		81	
* 82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2			2
* 85800100	FLASHER CONTROLLER	EACH	1		1	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	237		237	
* 88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	2		2	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		

* SPECIALTY ITEM

TABULATION OF REMOVAL QUANTITIES			
LOCATION	PAVEMENT REMOVAL	CONCRETE HEADWALL REMOVAL	PIPE CULVERT REMOVAL
	SQYD	EACH	FOOT
JOBSITE	133.0	3	32.0
TOTAL	133	3	32

TABULATION OF EARTHWORK QUANTITIES						
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE *(FOR INFO ONLY)	EMBANKMENT *(FOR INFO ONLY)	EARTHWORK BALANCE WASTE (+) & SHORTAGE (-) *(FOR INFO ONLY)	FURNISHED EXCAVATION	GRADING & SHAPING DITCHES
	CUYD	CUYD	CUYD	CUYD	CUYD	FOOT
JOBSITE	22.3	16.8	60.0	-43.2	43.2	256.0
TOTAL	23	-	-	-	44	256

TABULATION OF DRAINAGE QUANTITIES						
LOCATION	TRENCH BACKFILL	MH, TY A, 4'-DIAMETER, TY 8 GRATE	STORM SEWER, CL B, TY 1, 18"	PRECAST REINF. CONC. FLARED END SECTIONS 18"	GRATING FOR CONCRETE FLARED END SECTION 18"	CONCRETE COLLAR
	CUYD	EACH	FOOT	EACH	EACH	EACH
JOBSITE	19.0	2	91.0	2	2	1
TOTAL	19	2	91	2	2	1

TABULATION OF PERMANENT EROSION CONTROL QUANTITIES (SEEDING)						
	TOPSOIL FURNISH & PLACE, 4"	NITROGEN FERT NUTRIENT	PHOSPHORUS FERT NUTRIENT	POTASSIUM FERT NUTRIENT	SEEDING CL 2A	HEAVY DUTY EROSION CONTROL BLANKET
LOCATION	SQYD	POUND	POUND	POUND	ACRES	SQYD
JOBSITE	414.0	9.0	9.0	9.0	0.1	414.0
Total	414	9	9	9	0.1	414

TABULATION OF TEMPORARY EROSION CONTROL QUANTITIES			
	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION
LOCATION	FOOT	FT	EACH
JOBSITE	144.0	140.0	4
Total	144	140	4

TABULATION OF EROSION CONTROL QUANTITIES		
	FILTER FABRIC	STONE RIPRAP, CLASS A2
LOCATION	SQYD	TONS
JOBSITE	8.4	2.9
Total	9	3

MOBILIZATION	
LOCATION	LSUM
JOBSITE	1
Total	1

TRAFFIC CONTROL & PROT, STD 701201	
LOCATION	LSUM
JOBSITE	1
Total	1

TRAFFIC CONTROL & PROTECTION (SPL)	
LOCATION	LSUM
JOBSITE - DETOUR	1
Total	1

CONSTRUCTION LAYOUT	
LOCATION	LSUM
JOBSITE	1
Total	1

TABULATION OF ELECTRICAL ITEMS		
ITEM DESCRIPTION	UNIT	QTY.
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1.0
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	16.0
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	65.0
CONDUIT PUSHED, 2" DIA., PVC	FOOT	124.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	24.0
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	3.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	81.0
LUMINAIRE, SODIUM VAPOR, MULTI*MOUNT, PHOTO*CELL CONTROL, 250 WATT	EACH	2.0
FLASHER CONTROLLER	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	237.0
SIGNAL HEAD, POLYCARBONATE, LED, 1*FACE, 1*SECTION, POST MOUNTED	EACH	2.0

FILE NAME =
D468934-sht-schedule.dgn

USER NAME = l0babidism
DESIGNED -
DRAWN -
PLOT SCALE = 40.0000 ' / IN.
CHECKED -
PLOT DATE = 1/28/2010
DATE -

REVISED -
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
SCALE: SHEET NO. OF SHEETS STA. TO STA.

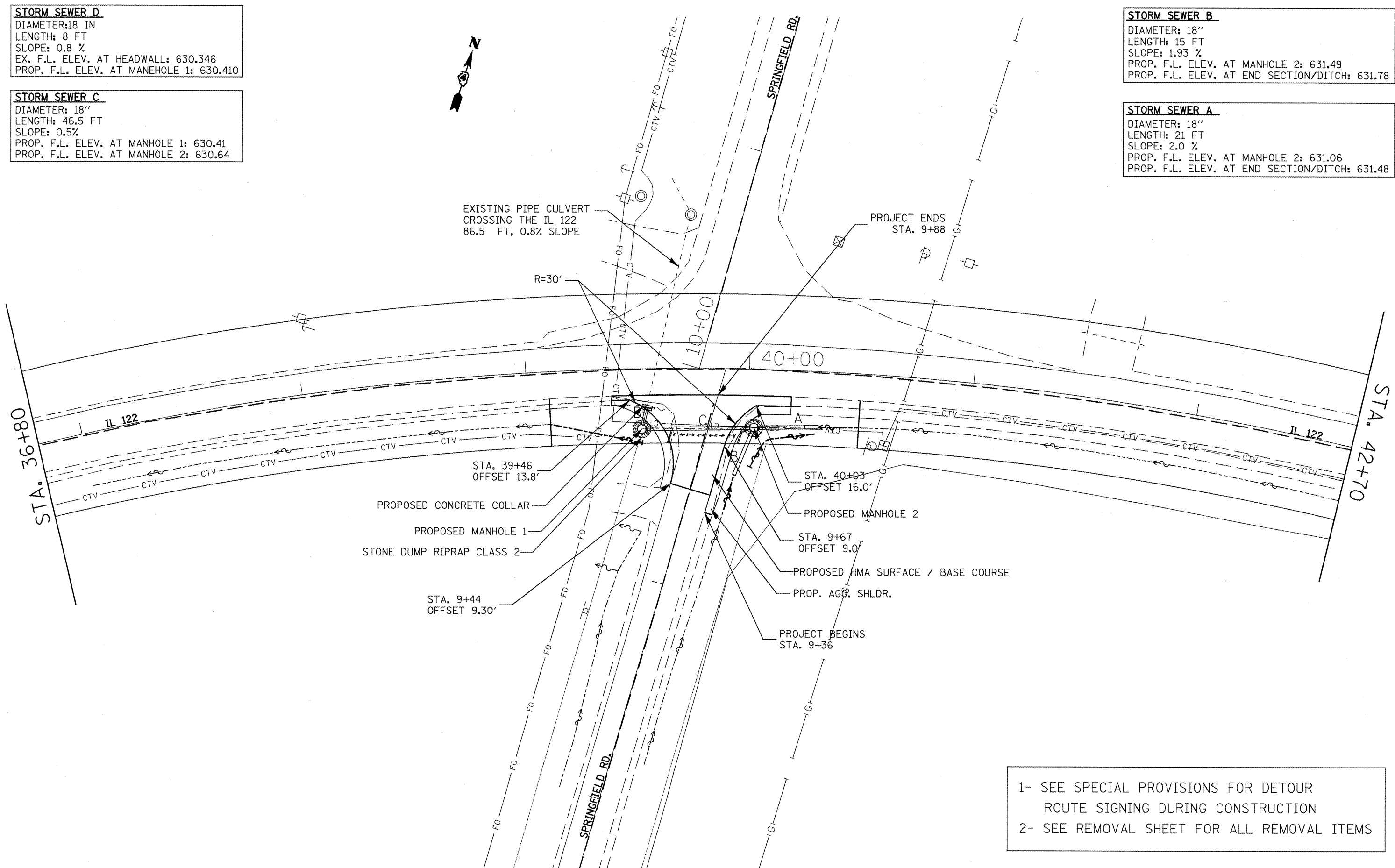
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)L,I	TAZEWELL	36	11
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	

STORM SEWER D
 DIAMETER: 18 IN
 LENGTH: 8 FT
 SLOPE: 0.8 %
 EX. F.L. ELEV. AT HEADWALL: 630.346
 PROP. F.L. ELEV. AT MANHOLE 1: 630.410

STORM SEWER C
 DIAMETER: 18"
 LENGTH: 46.5 FT
 SLOPE: 0.5%
 PROP. F.L. ELEV. AT MANHOLE 1: 630.41
 PROP. F.L. ELEV. AT MANHOLE 2: 630.64

STORM SEWER B
 DIAMETER: 18"
 LENGTH: 15 FT
 SLOPE: 1.93 %
 PROP. F.L. ELEV. AT MANHOLE 2: 631.49
 PROP. F.L. ELEV. AT END SECTION/DITCH: 631.78

STORM SEWER A
 DIAMETER: 18"
 LENGTH: 21 FT
 SLOPE: 2.0 %
 PROP. F.L. ELEV. AT MANHOLE 2: 631.06
 PROP. F.L. ELEV. AT END SECTION/DITCH: 631.48



1- SEE SPECIAL PROVISIONS FOR DETOUR
 ROUTE SIGNING DURING CONSTRUCTION
 2- SEE REMOVAL SHEET FOR ALL REMOVAL ITEMS

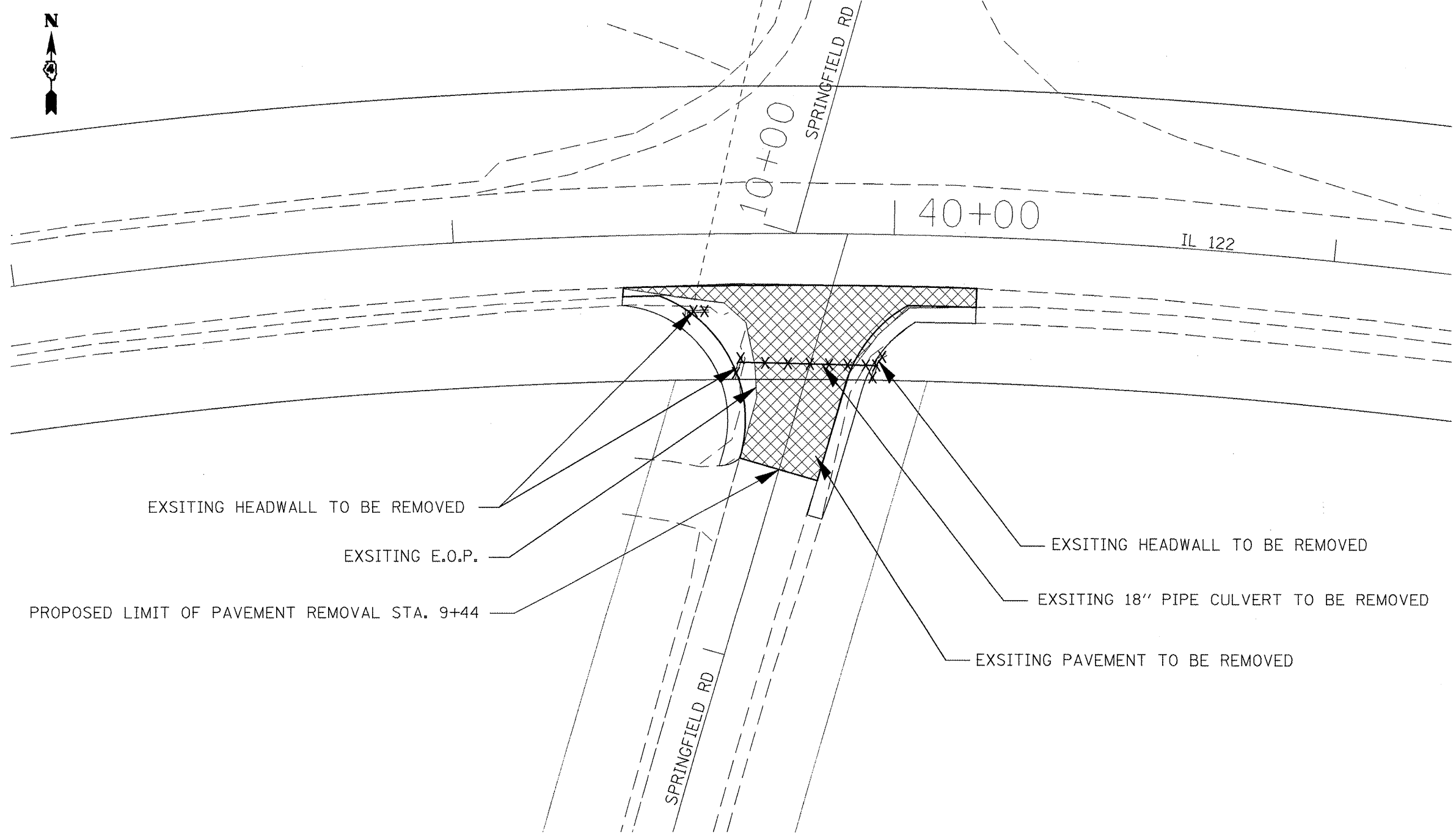
FILE NAME = sheet11.dgn	USER NAME = labebidism	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SPRINGFIELD ROAD & IL 122 PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)IL,I	TAZEWELL	36	12
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	



EXSITING HEADWALL TO BE REMOVED

EXSITING E.O.P.

PROPOSED LIMIT OF PAVEMENT REMOVAL STA. 9+44

EXSITING HEADWALL TO BE REMOVED

EXSITING 18" PIPE CULVERT TO BE REMOVED

EXSITING PAVEMENT TO BE REMOVED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEET

FILE NAME =
D468934-shr-removal.dgn

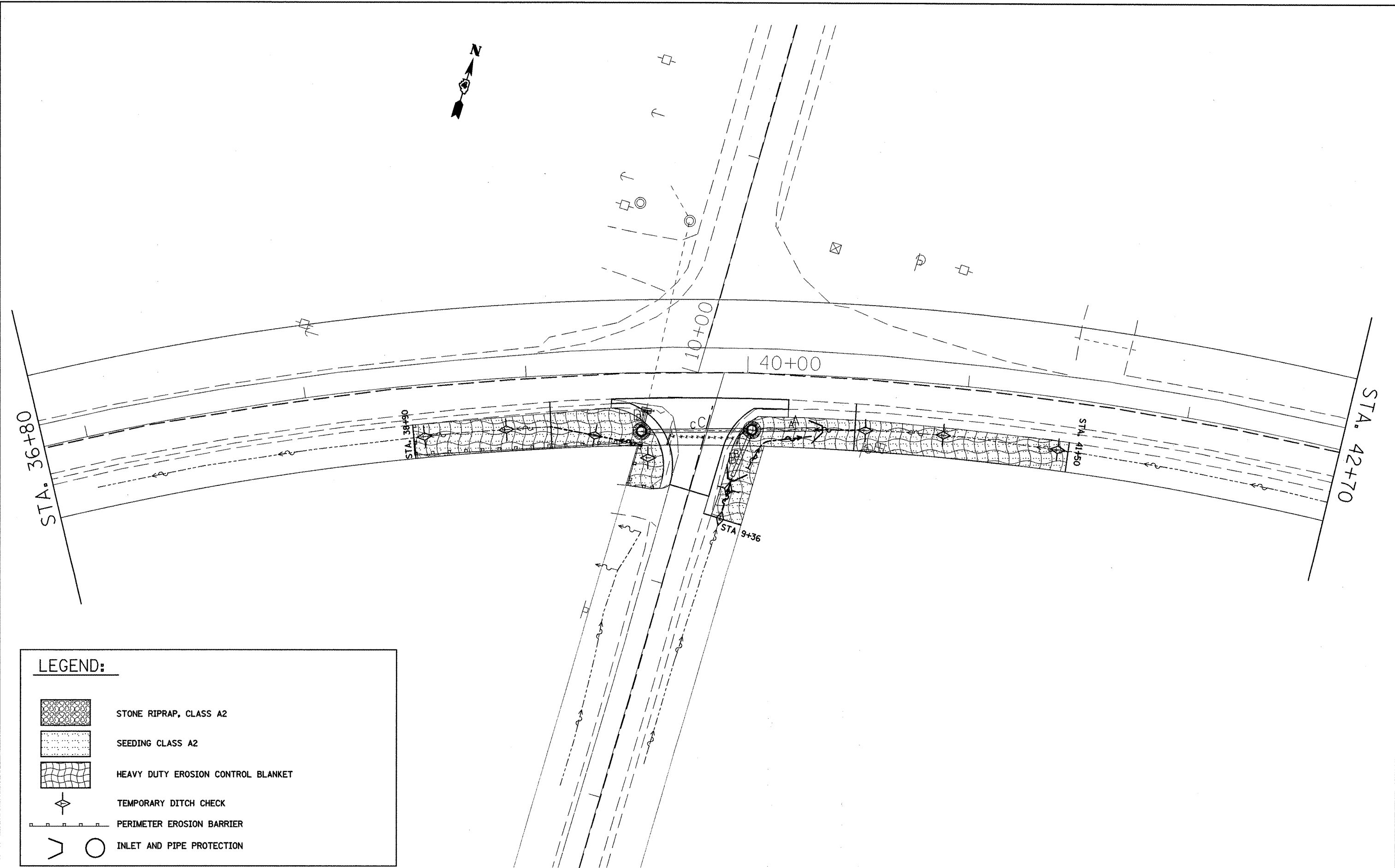
USER NAME = lobbisdsm
PLOT SCALE = 40.0000' / IN.
PLOT DATE = 1/28/2010

DESIGNED -
DRAWN -
CHECKED -
DATE -


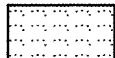


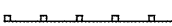
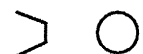
REVISED -
REVISED -
REVISED -
REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)L,I	TAZEWELL	36	13
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	



LEGEND:

-  STONE RIPRAP, CLASS A2
-  SEEDING CLASS A2
-  HEAVY DUTY EROSION CONTROL BLANKET
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET AND PIPE PROTECTION

FILE NAME =
D468934-sht-landscp.dgn

USER NAME = lebabidism
 PLOT SCALE = 40,0000' / IN.
 PLOT DATE = 1/28/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

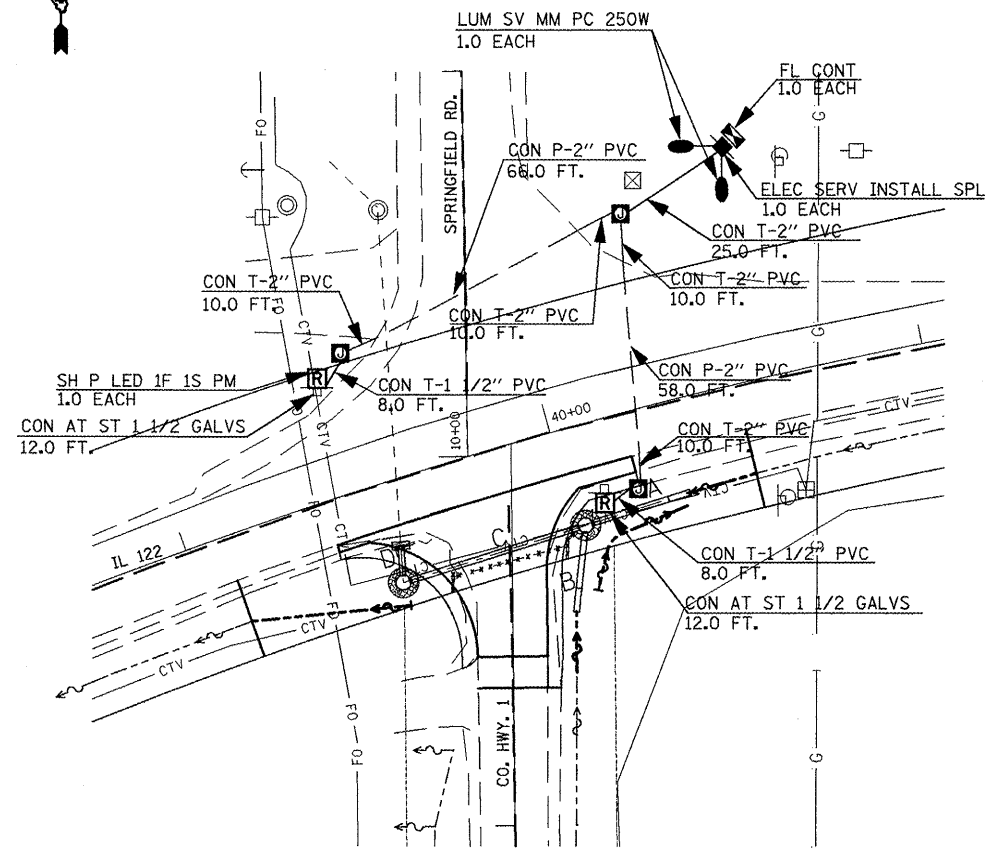
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(126)L,I	TAZEWELL	36	14
CONTRACT NO. 68934				
[ILLINOIS] FED. AID PROJECT				

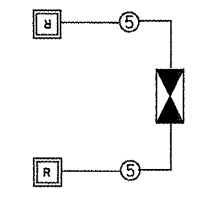
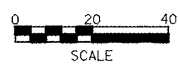


THE ELECTRICAL SERVICE POLE SHALL BE LOCATED OUTSIDE OF THE CLEAR ZONE. THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION FROM THE ENGINEER OF TRAFFIC PRIOR TO INSTALLATION.

THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PRIME CONTRACTOR TO LOCATE THE PROPOSED FLASHER INSTALLATION WHERE IT WILL NOT BE IN CONFLICT WITH THE PROPOSED INTERSECTION IMPROVEMENT.

LEGEND

- PROP. SIGNAL HEAD, LED, 1F, 1S, POST MOUNTED
- PROP. JUNCTION, COMPOSITE CONCRETE
- PROP. FLASHER CONTROLLER
- PROP. CONDUIT, TRENCHED
- PROP. CONDUIT, PUSHED
- PROP. SERVICE INSTALLATION.
- PROP. LUMINAIRE, MULTI MOUNT, PHOTOCELL CONTROL, 250 WATT
- EX. STOP SIGN
- EX. ELECTRICAL SERVICE POLE (PRIMARY)



CABLE DIAGRAM

- PROP. 1 SEC. 1 FACE SIGNAL HEAD
- PROP. 5/C NO. 14 SIGNAL CABLE
- PROP. CONTROLLER (FLASHER)

CONSTRUCTION NOTES

1. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
3. ALL TRAFFIC SIGNAL HEADS SHALL HAVE 12" LED SECTIONS.
4. THE EXISTING TEL-SPAR STOP SIGN POSTS WILL BE REPLACED WITH WOOD POSTS BY THE DEPARTMENT. THE PROPOSED FLASHER HEADS SHALL BE MOUNTED TO THE WOOD POSTS IN ACCORDANCE WITH HIGHWAY STANDARD 880001.
5. THE JUNCTION BOX SHALL BE INSTALLED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE PROPOSED GROUND LINE. THE JUNCTION BOX SHALL BE ENCASED WITH A MINIMUM OF SIX INCHES OF CONCRETE AROUND ALL SIDES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR GULFBOX JUNCTION, COMPOSITE CONCRETE.
6. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT PUSHED OR TRENCHED.
7. THE CONTRACTOR MAY ELECT TO PUSH A CONDUIT THAT IS SHOWN TO BE TRENCHED ON THE PLANS. HOWEVER, THIS WORK WILL BE MEASURED FOR PAYMENT AND PAID FOR AS CONDUIT IN TRENCH OF THE TYPE AND SIZE SPECIFIED AND TRENCH AND BACKFILL FOR ELECTRICAL WORK.
8. THE LOCATIONS FOR JUNCTION BOXES AND WOOD POLES ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
9. THE CONTRACTOR SHALL INSTALL 1" DIAMETER GALVANIZED STEEL CONDUIT AND HARDWARE FROM THE SERVICE DISCONNECT TO THE TOP OF THE SERVICE POLE FOR THE LUMINAIRES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR ELECTRIC SERVICE INSTALLATION, SPECIAL.
10. ALL PROPOSED CONTROLLER CABINETS, SERVICE DISCONNECTS, FLASHER HEADS, AND METALLIC CONDUITS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR EACH ASSOCIATED ITEM.

GULFBOX

3-1/2" NO. 6
TWIN-TENDON BRACKETS

11. LUMINAIRES SHALL BE INSTALLED PERPENDICULAR TO THE ROADWAY CENTERLINES

IL 122 & SPRINGFIELD RD./COUNTY HIGHWAY 1 - SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1.0
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	16.0
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	65.0
CONDUIT PUSHED, 2" DIA., PVC	FOOT	124.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	24.0
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	3.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	81.0
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2.0
FLASHER CONTROLLER	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	237.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	2.0

FILE NAME = 68934 - IL 122 & Springfield Rd Flasher

USER NAME = labobidism
Design.dgn
PLOT SCALE = 50.2283' / IN.
PLOT DATE = 1/28/2010

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LIGHTING AND
FLASHING BEACON DETAIL

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

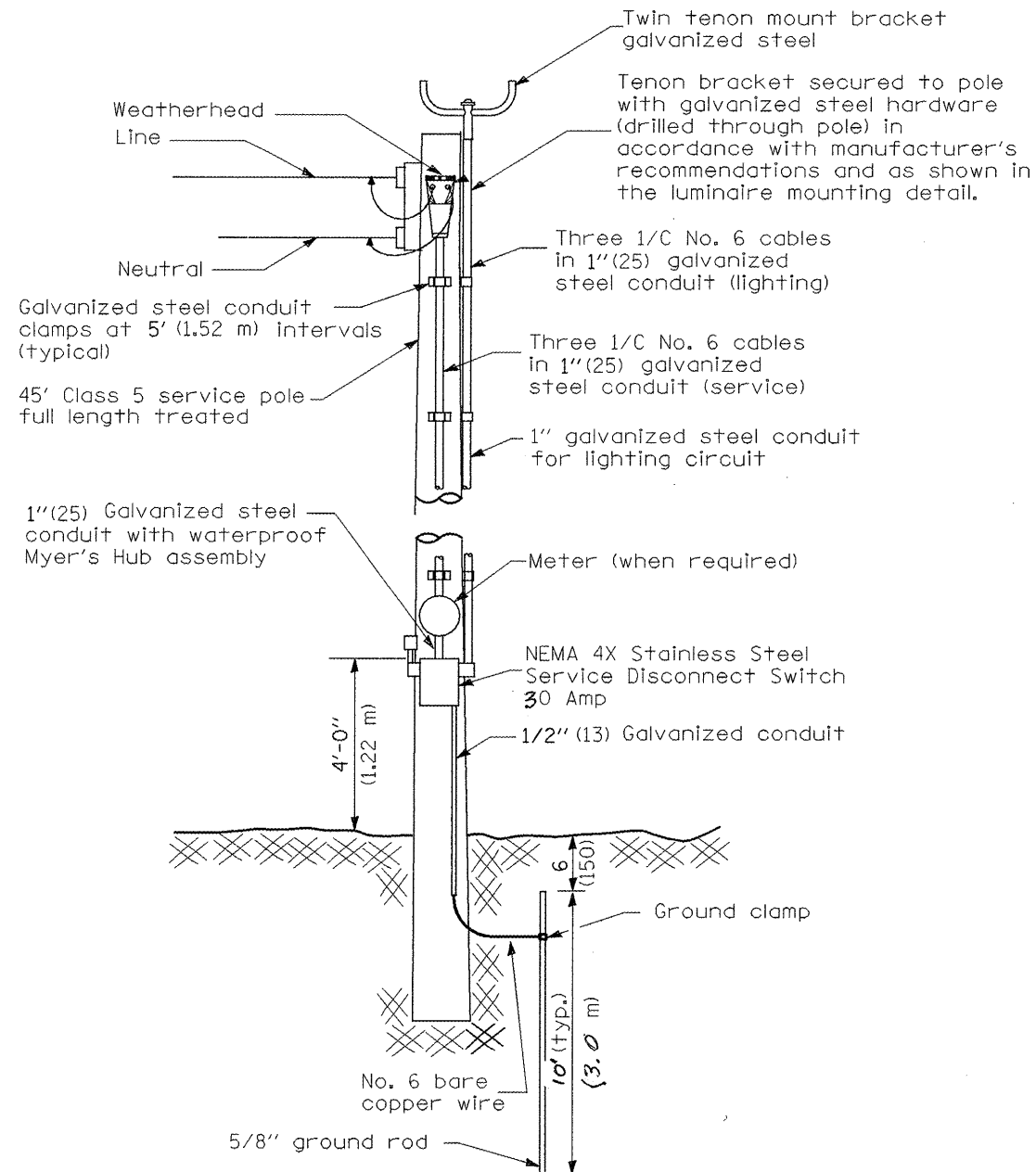
F.A.P. RTE. 705 SECTION (126).I COUNTY TAZEWELL TOTAL SHEETS 36 SHEET NO. 15
ILLINOIS FED. AID PROJECT CONTRACT NO. 68934

Rev.

INSTALLATION NOTES

1. The wood pole shall be located outside of the clear zone. The Contractor shall obtain location verification from the Engineer prior to installation.
2. The Contractor shall provide a twin tenon bracket assembly, guy wires, and all other items required to complete the installation.
3. The twin tenon bracket shall be designed and manufactured for twin 45 kg (100 lb.) luminaires having an effective projected area each of 0.36 sq m (3.85 sq ft). Catalog cut sheets for the bracket shall be submitted to the Engineer as part of the data and product information submitted for approval.
4. The tenon shall extend 150 mm (6 in.) above the pole top and meet AASHTO loading requirements for the luminaires referenced above.

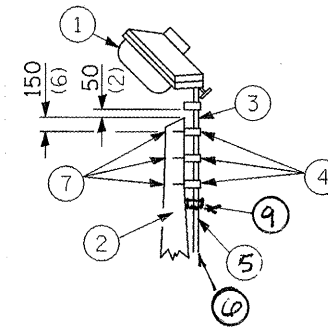
ELECTRICAL SERVICE INSTALLATION DETAIL



LUMINAIRE MOUNTING DETAIL

Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.

Luminaire(s) shall be oriented and the mounting angle adjusted as recommended by the Engineer.

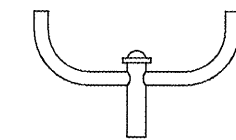


POLE LENGTH	DEPTH IN GROUND
13.7 m (45')	2.1 m (7')

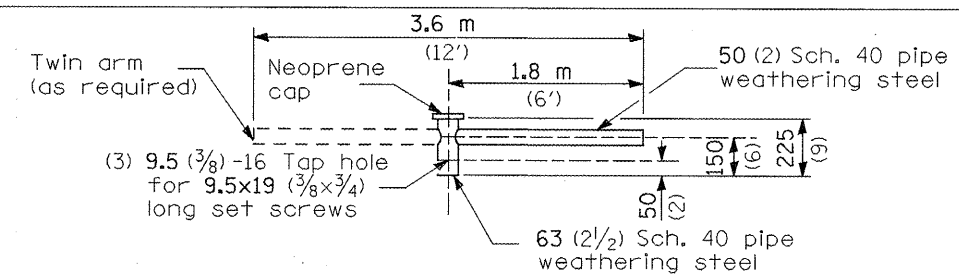
- ① Luminaire
- ② Wood pole, class 5 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Three 1/c #6 Type XLP-USE cable
- ⑥ 25 (1) Galv. steel conduit
- ⑦ 16 (5/8) \varnothing hot dipped galvanized bolt WITH flat washer & locknut (3 req'd)
- ⑧ Conduit clamps on 900 (36) centers
- ⑨ *Threaded Reducer*

WOOD POLE

TENON MOUNT DETAILS

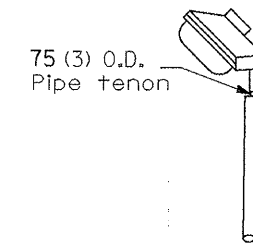


TWIN TENON



TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



TENON

"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (21/64) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional 1/4 to 3/8 turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

FILE NAME = 68934 - IL 122 & Springfield Rd Flasher	USER NAME = lobbobidism	DESIGNED -	REVISED -
	Design.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.2283 // IN.	CHECKED -	REVISED -
	PLOT DATE = 1/28/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ELECTRIC SERVICE INSTALLATION DETAIL

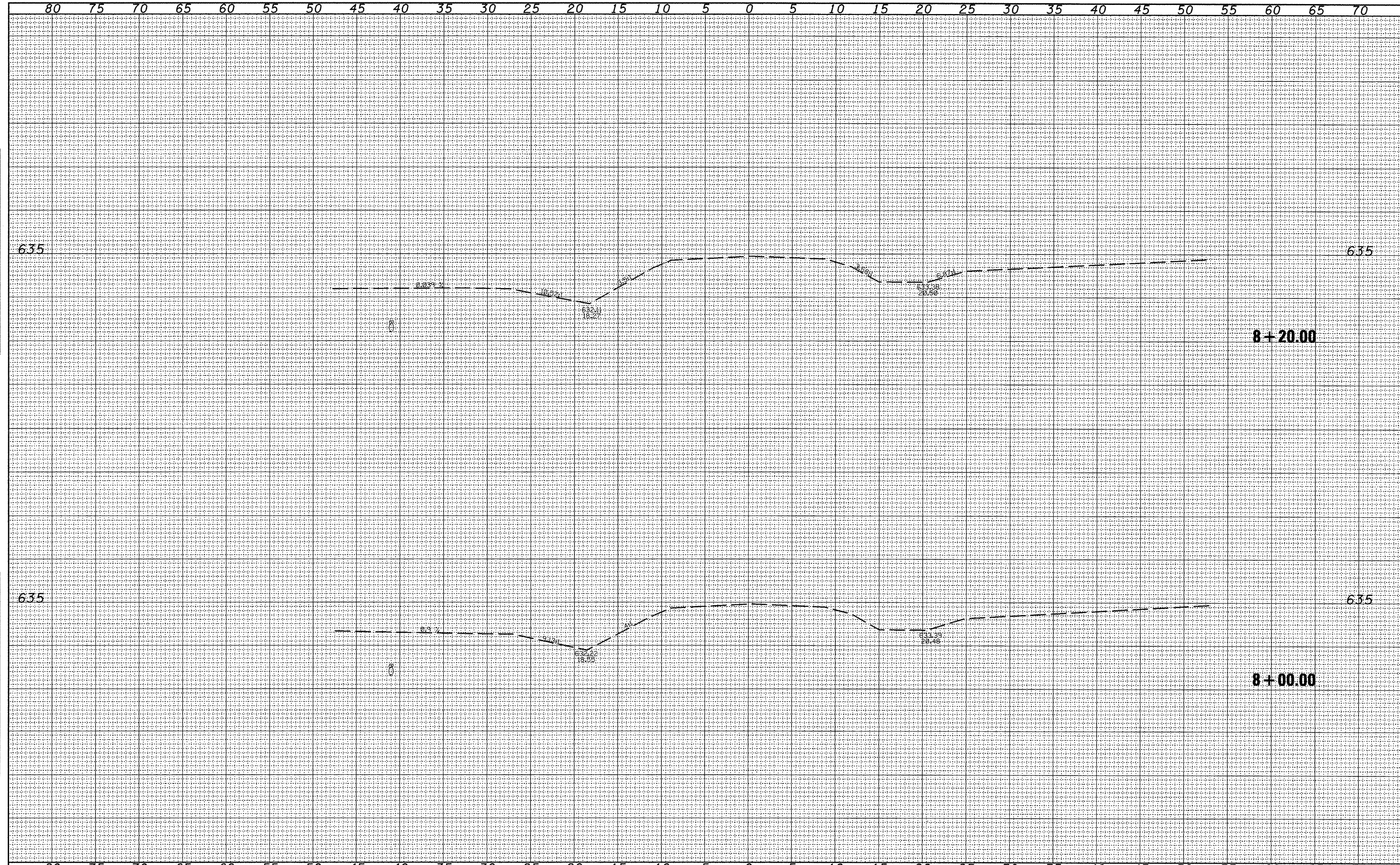
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 705	SECTION (126)IL,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 16
CONTRACT NO. 68934				
ILLINOIS FED. AID PROJECT				

Rev.

BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 PLATE _____
 AREAS CHECKED _____
 No. _____

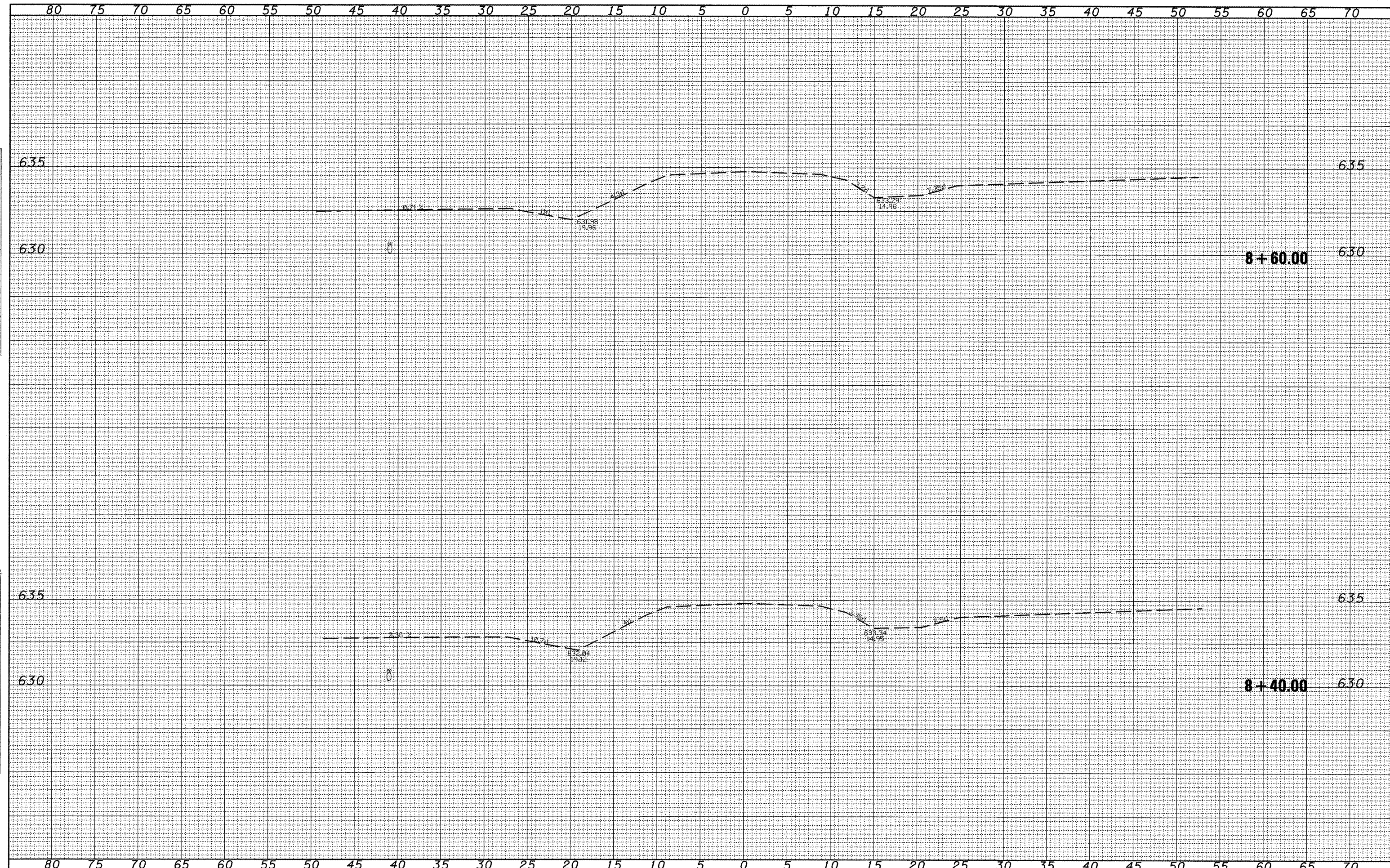
BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 PLATE _____
 AREAS CHECKED _____
 No. _____



FILE NAME = D468934-sht-xsahd.dgn	USER NAME = lsbabidm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RD. X-SEC		F.A.P. RTE. 705	SECTION (126)L,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 17	
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA. 8+00.00	TO STA. 8+20.00	CONTRACT NO. 68934		
	PLOT DATE = 1/28/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =
D468934-shr-xssht.dgn

USER NAME = lababidism
PLOT SCALE = 10.0000' / IN.
PLOT DATE = 1/28/2010

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

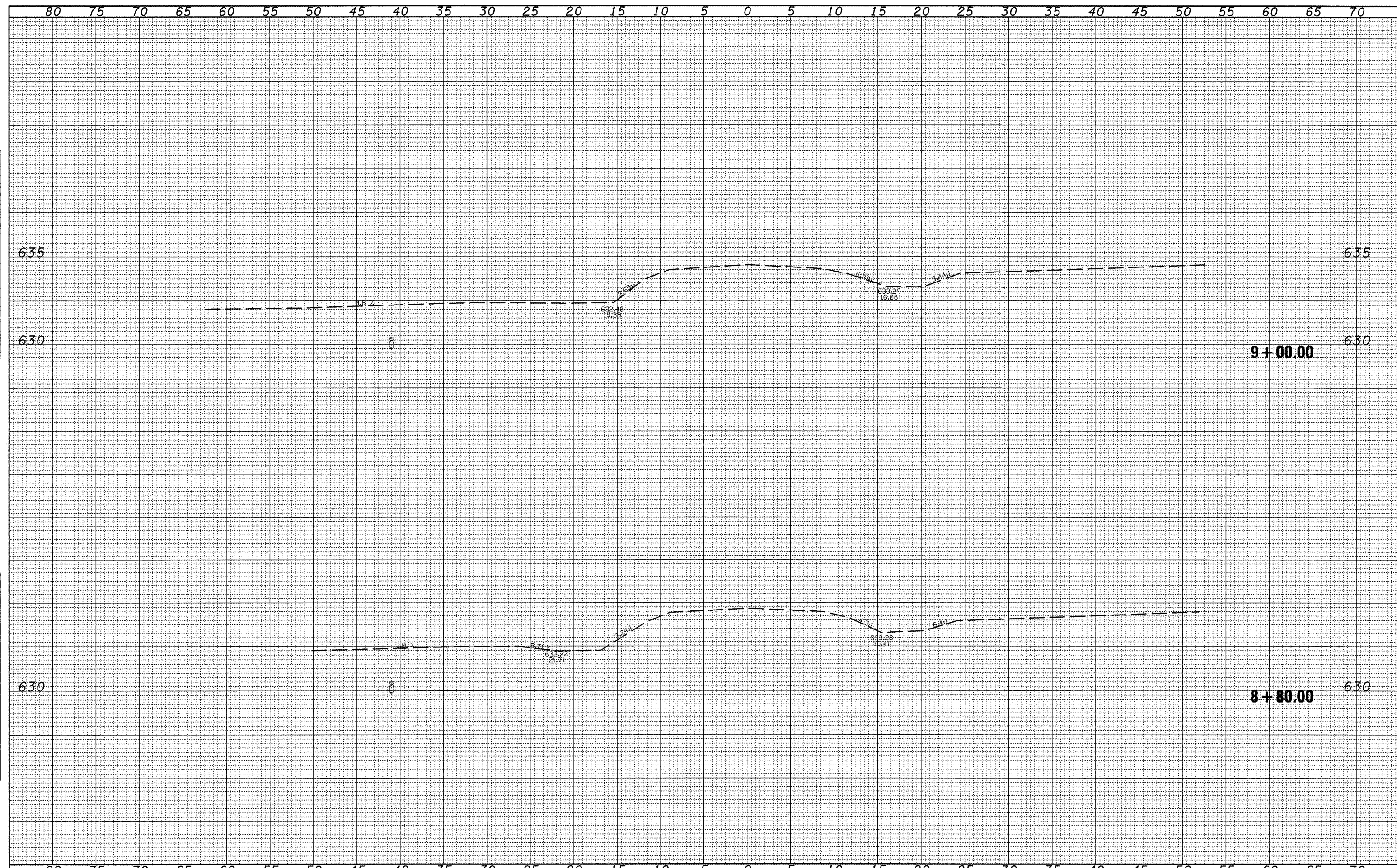
**SPRINGFIELD RD.
X-SEC**

SCALE: SHEET NO. OF SHEETS STA. 8+40.00 TO STA. 8+60.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	1261L,I	TAZEWELL	36	18
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

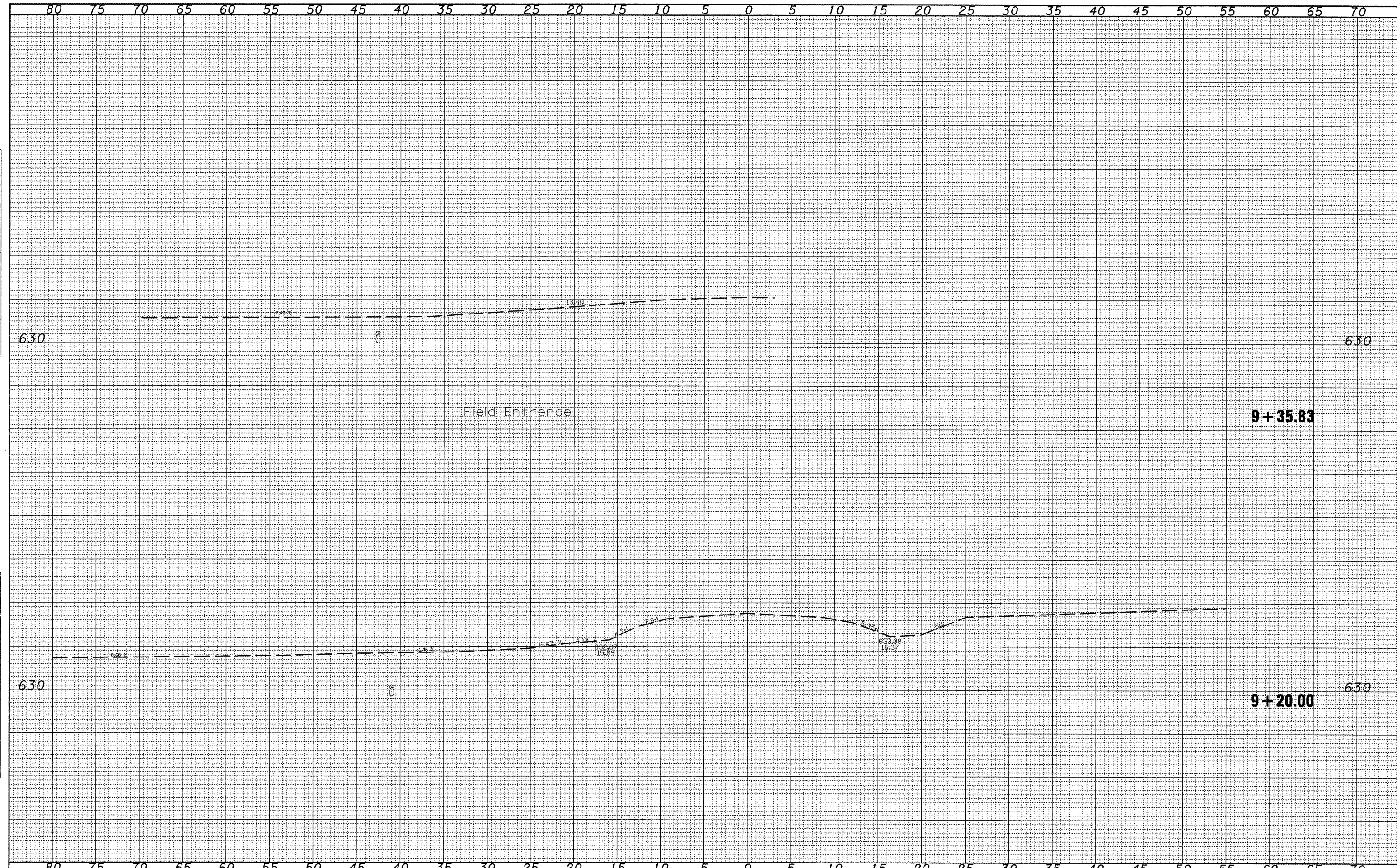
BY	DATE
ORIGINAL	
SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = 0468934-shr-ssht.dgn	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RD. X-SEC	F.A.P. RTE. 705	SECTION (126)I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 19		
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 8+80.00 TO STA. 9+00.00	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 1/28/2018	CHECKED -	REVISED -									
		DATE -	REVISED -									

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

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



FILE NAME =
D468934-sht-xseht.dgn

USER NAME = jebabidism	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 1/28/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

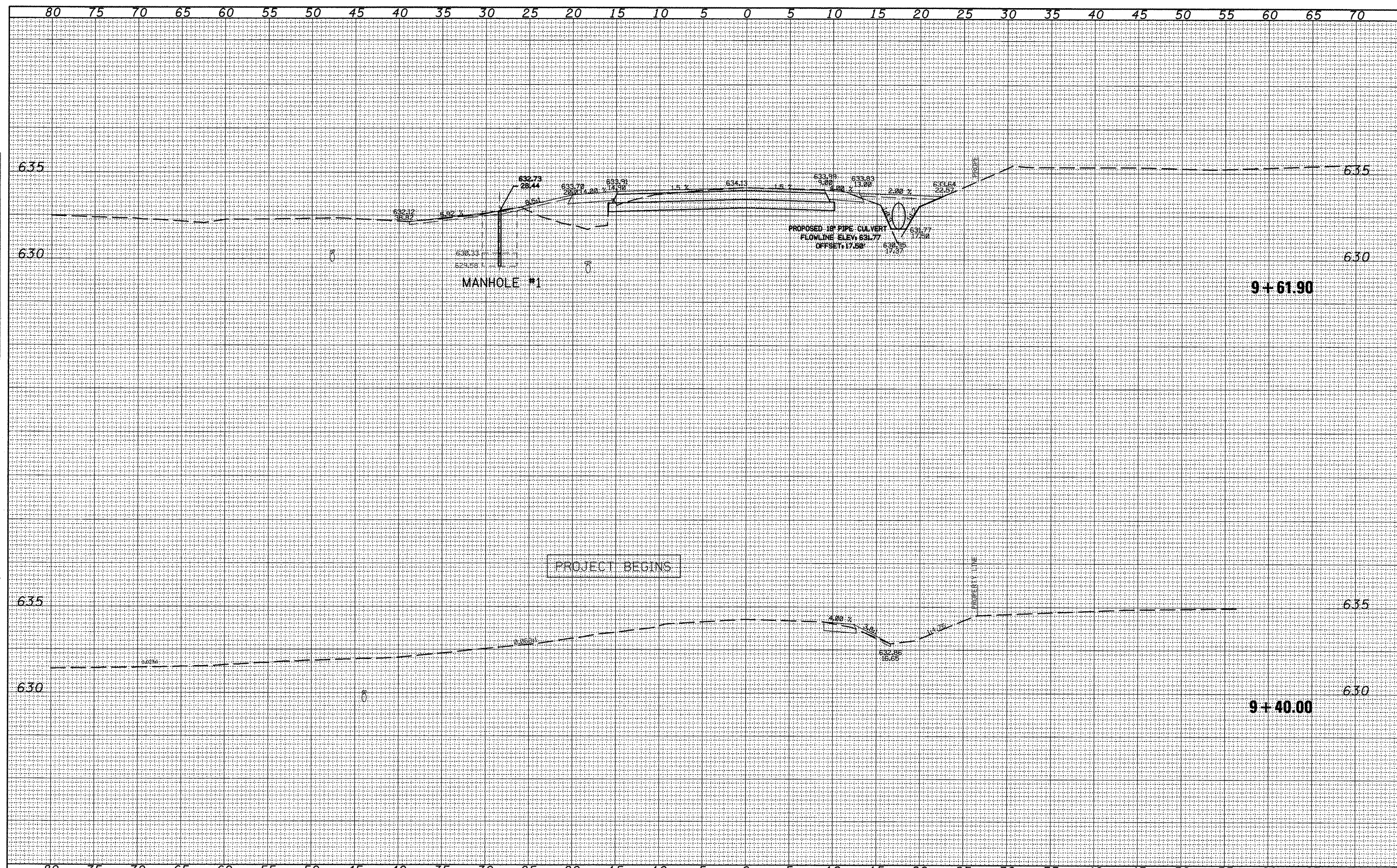
**SPRINGFIELD RD.
X-SEC**

SCALE: SHEET NO. OF SHEETS STA. 9+20.00 TO STA. 9+35.83

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)L,I	TAZEWELL	36	20
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	

DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
NO.	
AREAS CHECKED	
AREAS CHECKED	

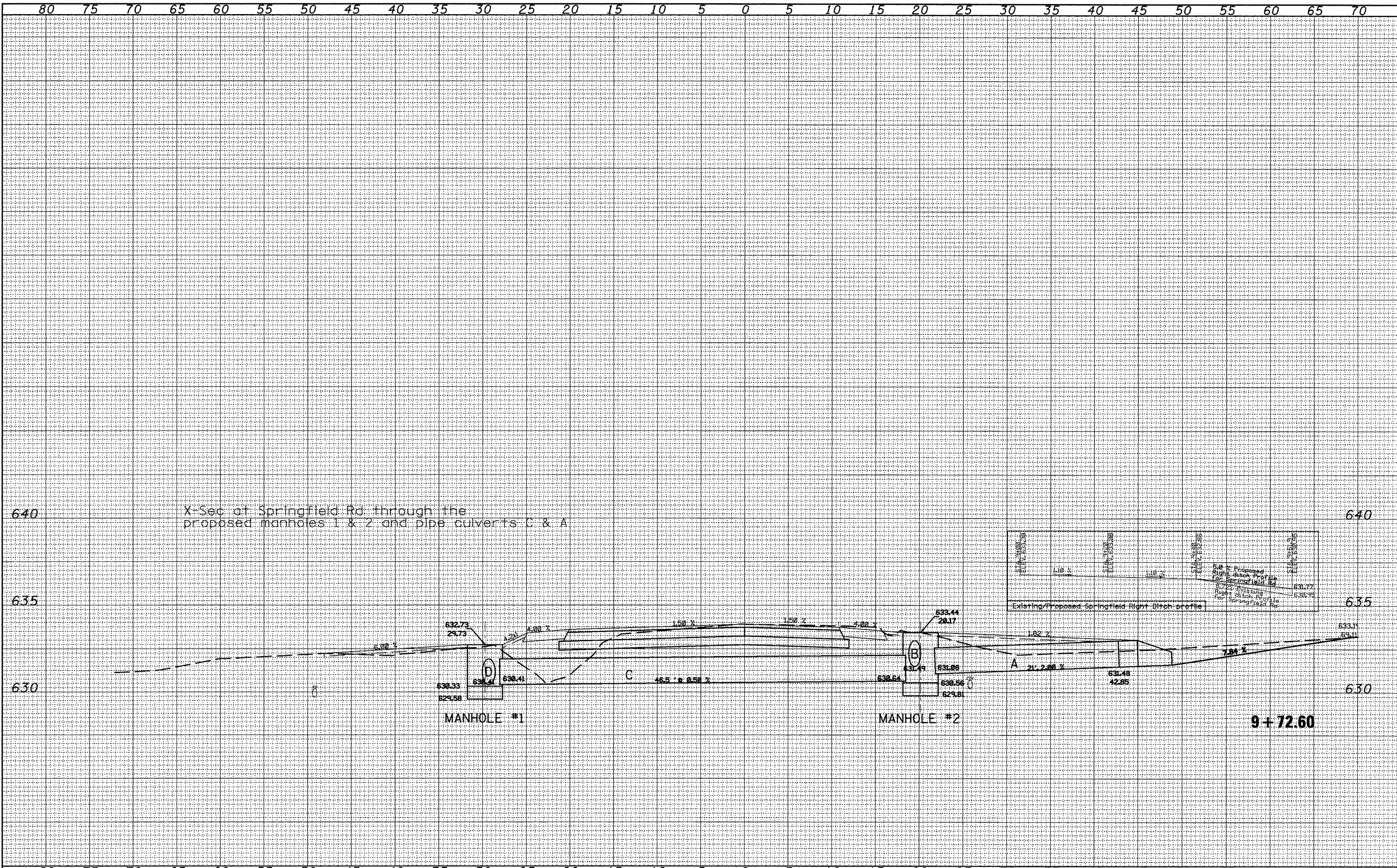
DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
NO.	
AREAS CHECKED	
AREAS CHECKED	



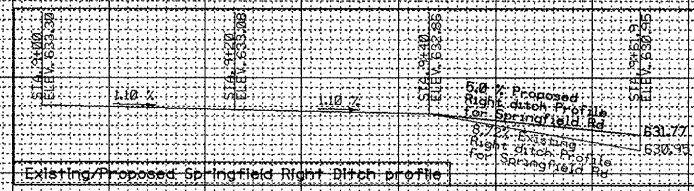
FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RD. X-SEC		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D468934-sht-xasht.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 9+40.00 TO STA. 9+61.90	705	(126).I	TAZEWELL	36	21
		CHECKED -	REVISED -		CONTRACT NO. 68934							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	TEMP. PLATE
NO.	NO.
AS	CHECKED

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	TEMP. PLATE
NO.	NO.
AS	CHECKED

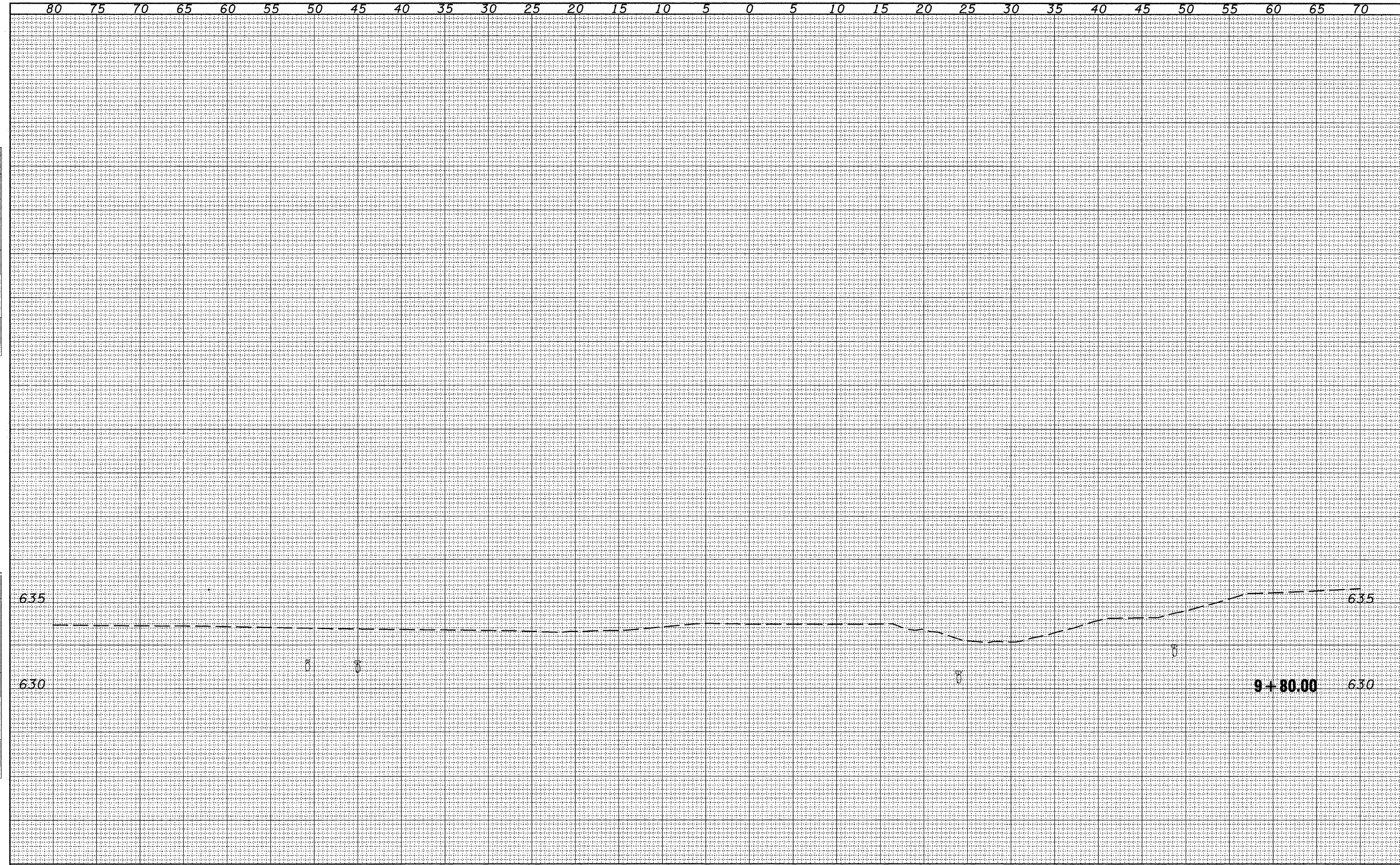


X-sec at Springfield Rd through the proposed manholes 1 & 2 and pipe culverts C & A



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

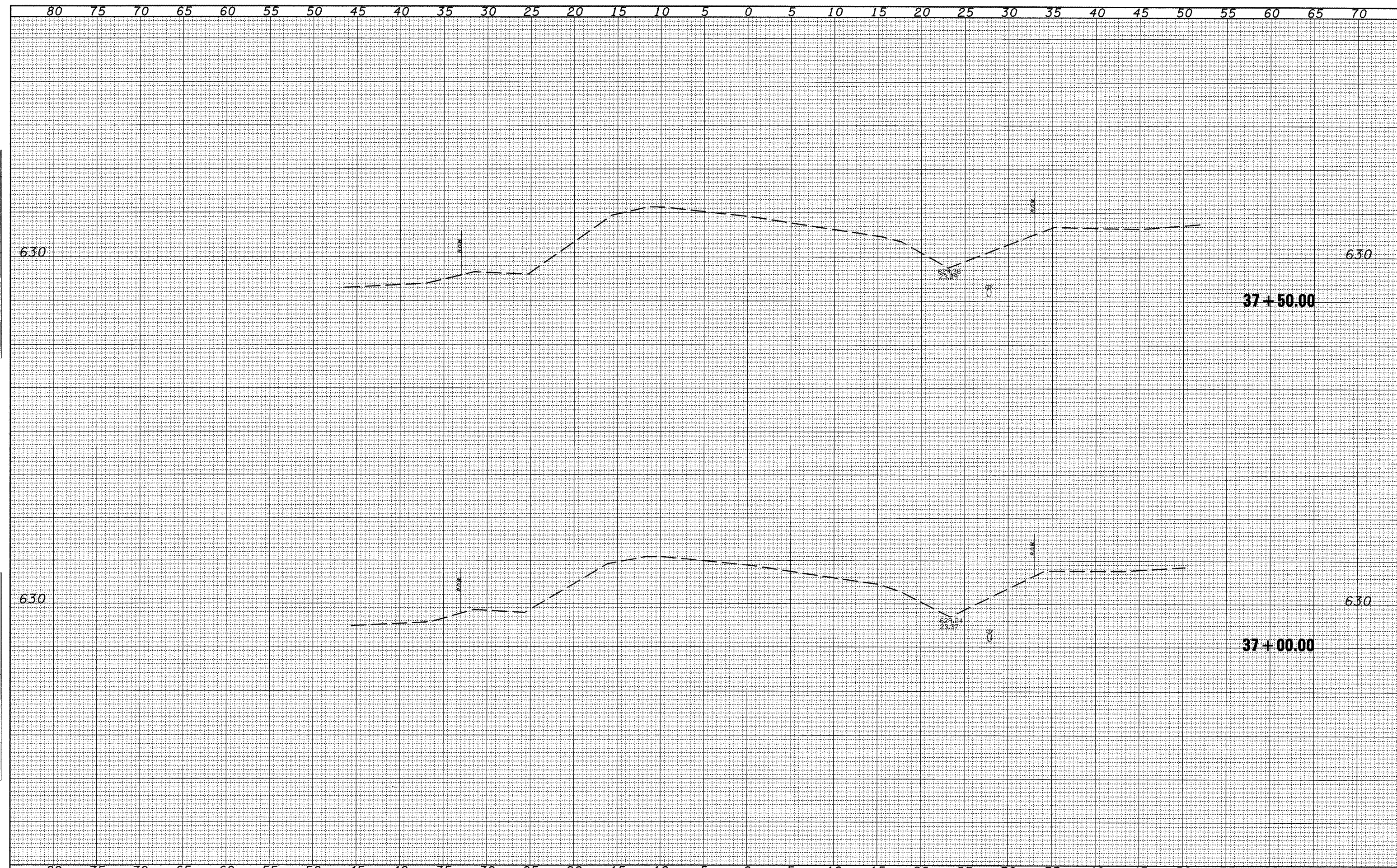
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME = D468934-sh1-xsh1.dgn	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RD. X-SEC	F.A.P. RTE. 705	SECTION (26)L,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 23		
PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. 9+80.00 TO STA. 9+80.00	CONTRACT NO. 68934				
PLOT DATE = 1/28/2018	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

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

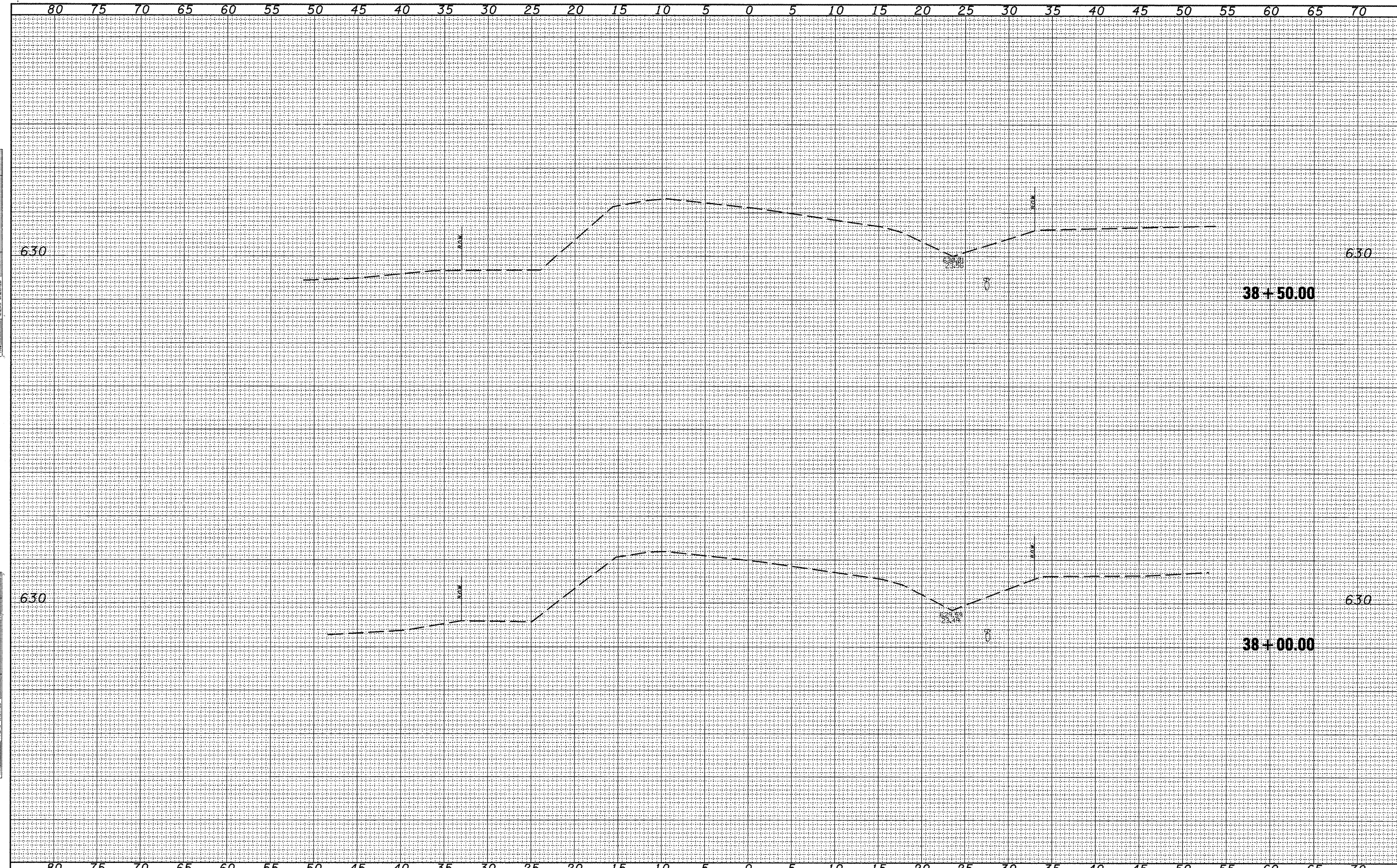
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
NO.	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



FILE NAME = 0468934-shr-xshd.dgn	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 122 X-SEC	F.A.P. RTE. 705	SECTION (126)I,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 24	
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF	STA. 37+00.00 TO STA. 37+50.00		CONTRACT NO. 68934	
	PLOT DATE = 1/28/2010	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

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

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



FILE NAME =
D468934-sht-xseht.dgn

USER NAME = lababidism	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 18.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 1/28/2010	DATE -	REVISED -

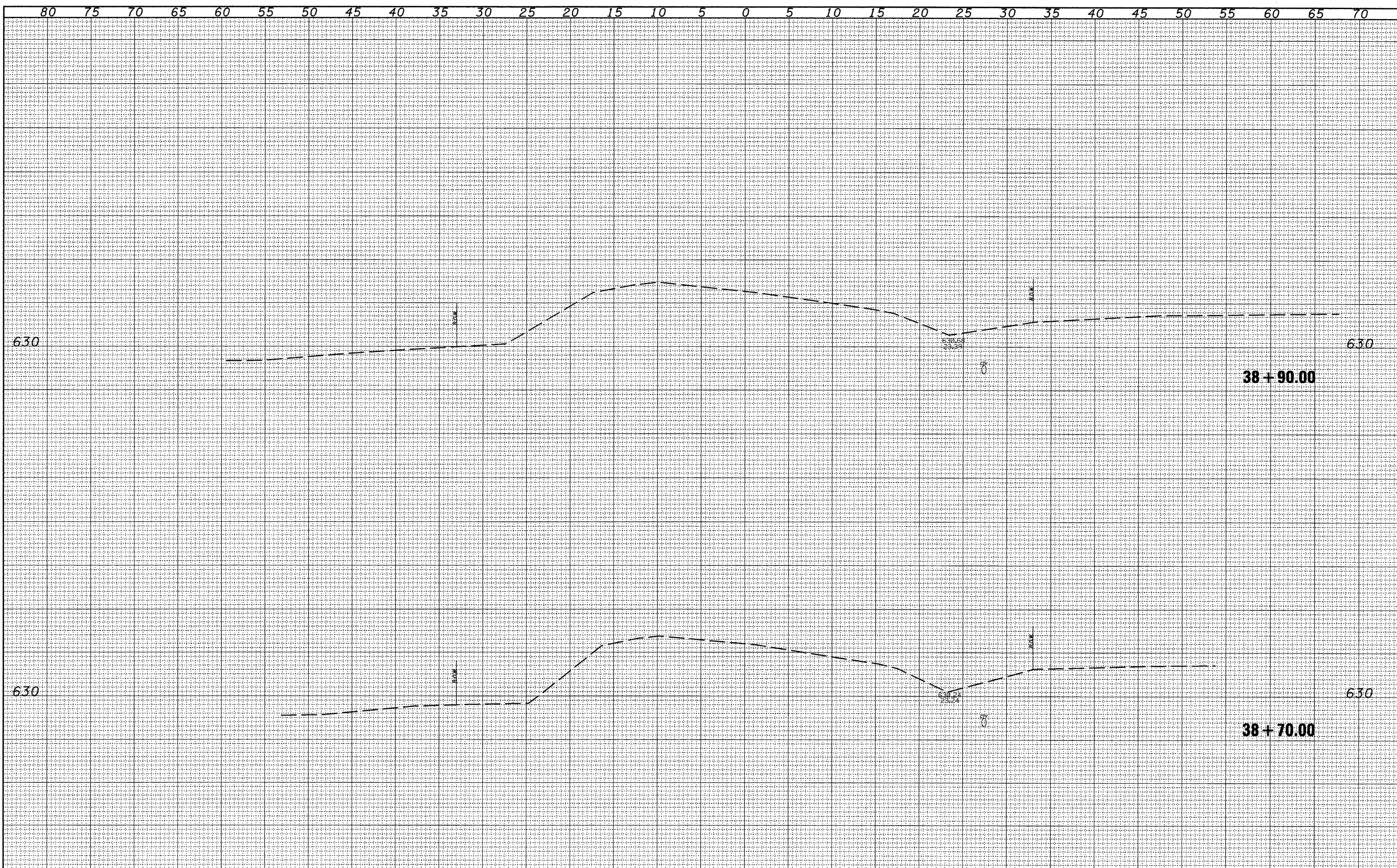
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 38+00.00 TO STA. 38+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)L,I	TAZEWELL	36	25
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	

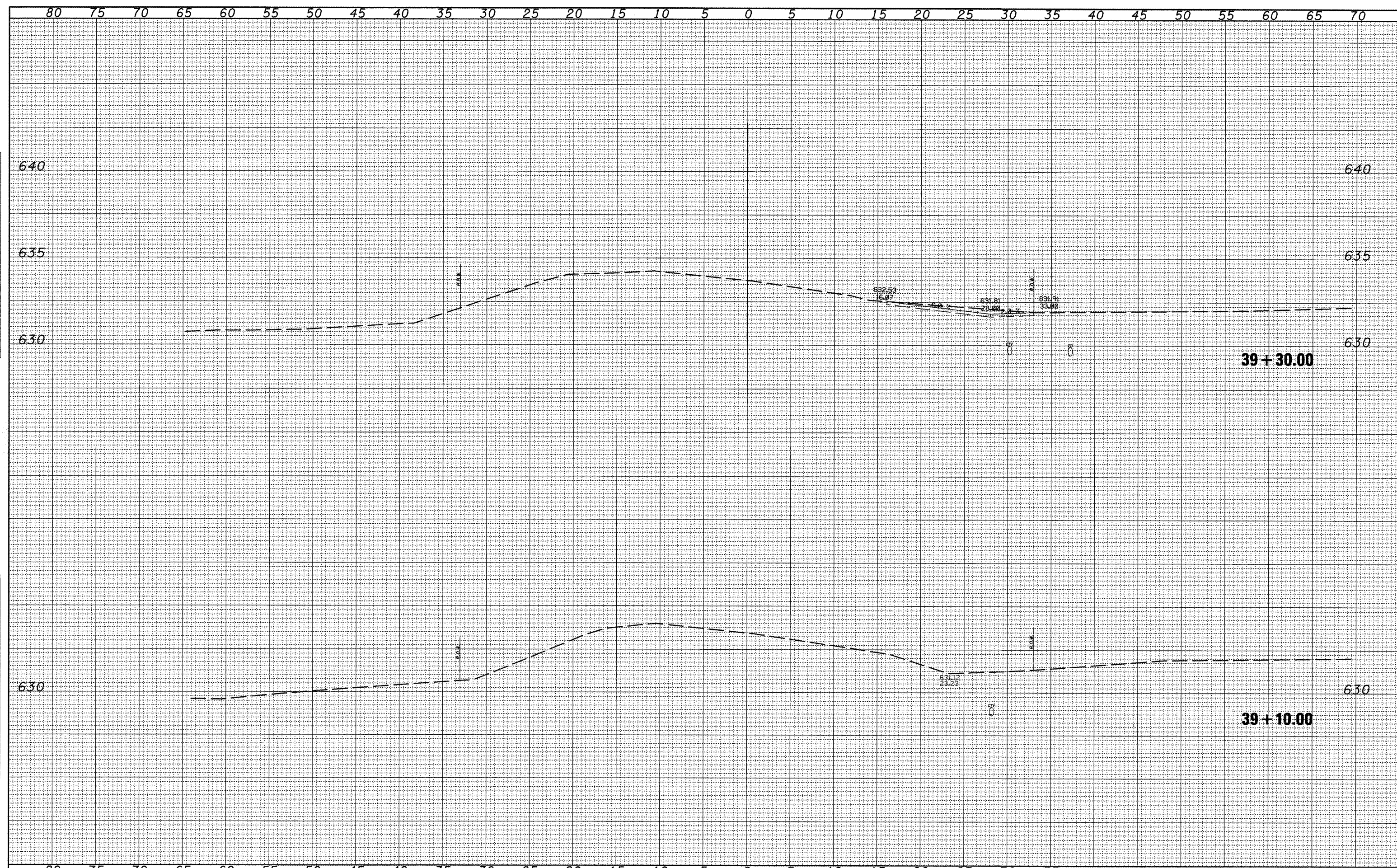
DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
DESIGNED	
DRAWN	
CHECKED	
DATE	



DATE	BY
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

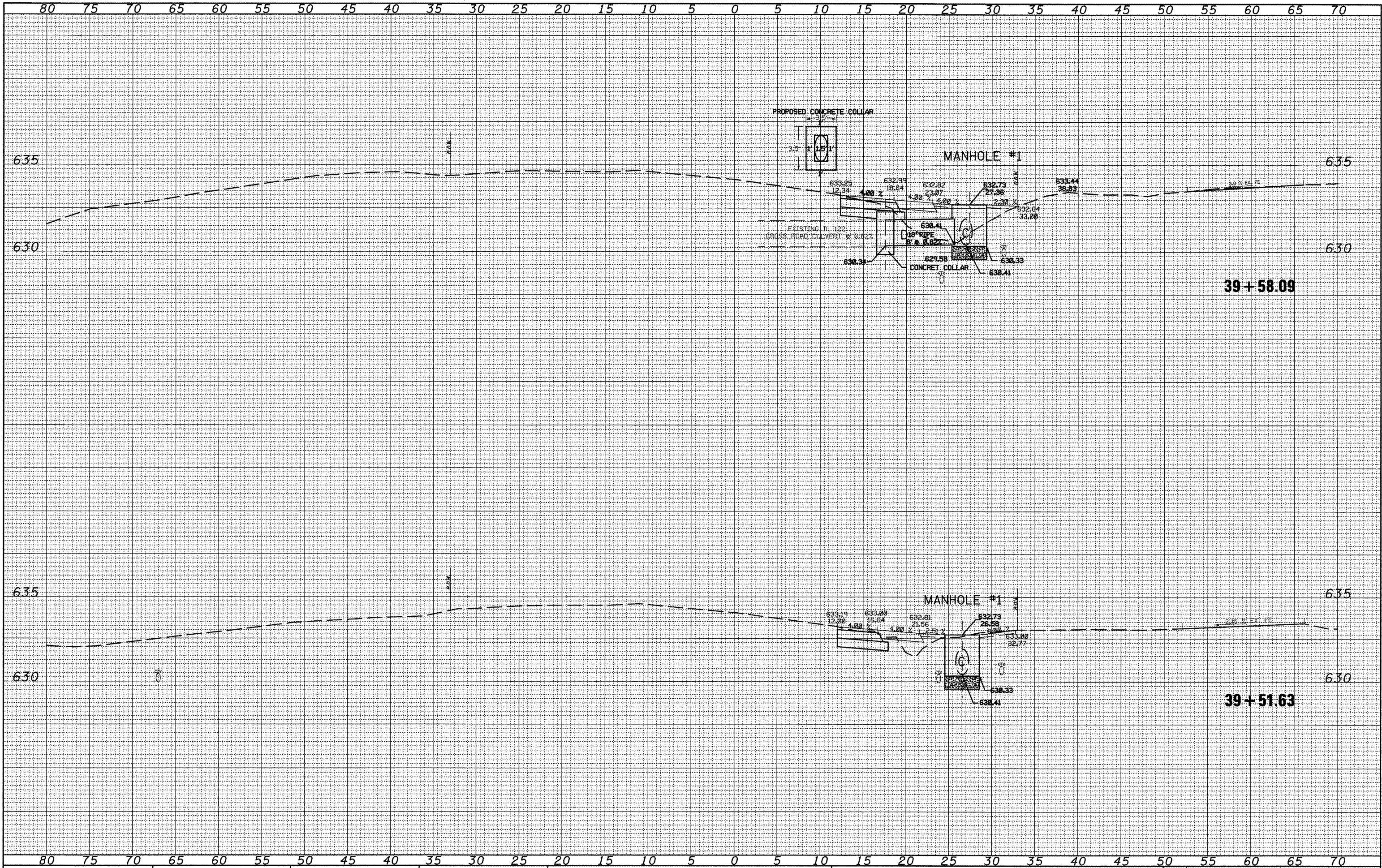
DATE	BY
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 0468934-sht-xssht.dgn	USER NAME = jlabidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 122 X-SEC	F.A.P. RTE. 705	SECTION (126)L,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 27	
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF	SHEETS	STA. 39+10.00	TO STA. 39+30.00	CONTRACT NO. 68934
	PLOT DATE = 1/28/2010	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

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

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



FILE NAME = D:\68934-sht-ssht.dgn

USER NAME = lababidism
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 1/28/2018

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

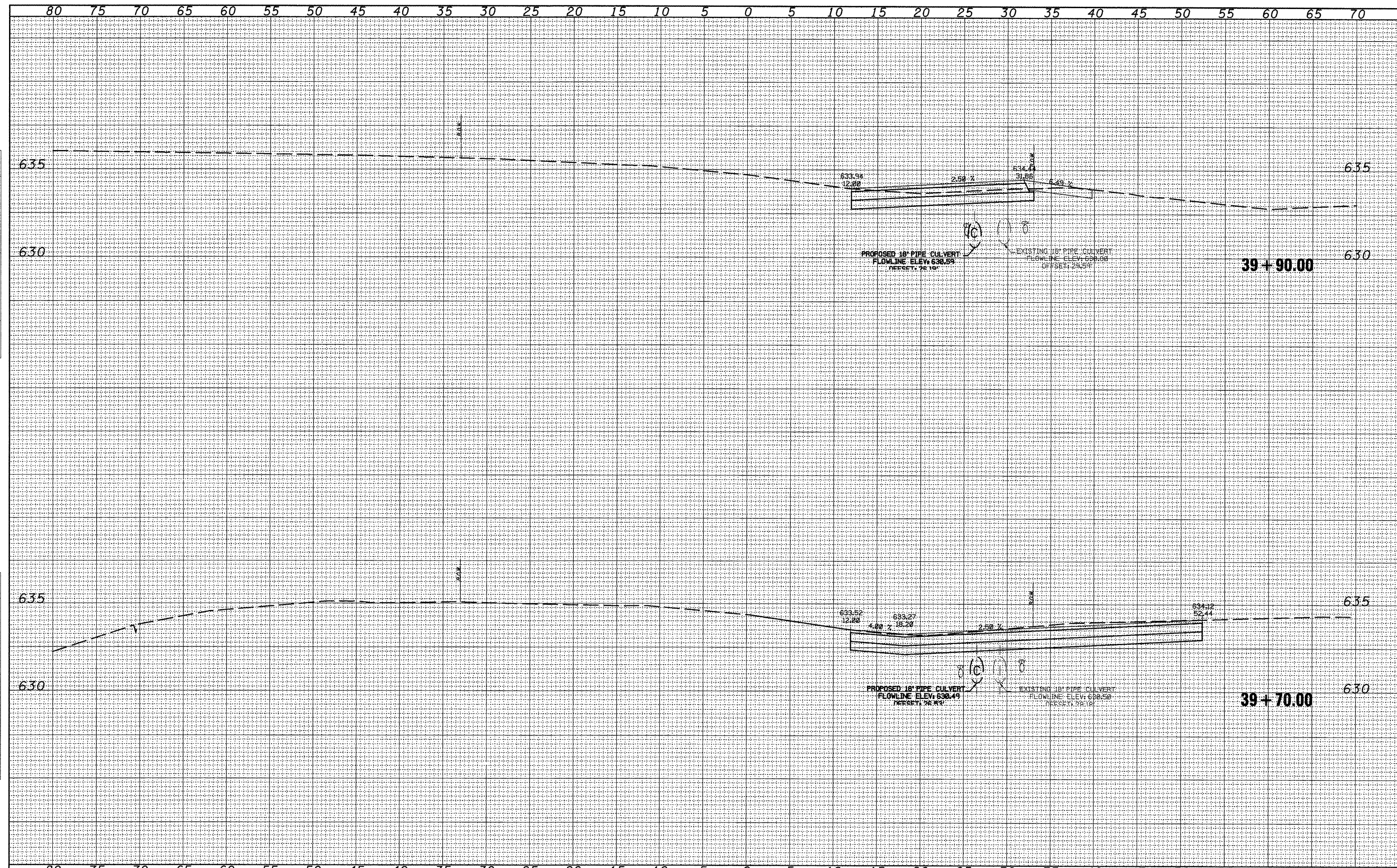
**IL 122
 X-SEC**

SCALE: SHEET NO. OF SHEETS STA. 39+51.63 TO STA. 39+58.09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126)I	TAZEWELL	36	28
			CONTRACT NO. 68934	
ILLINOIS FED. AID PROJECT				

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

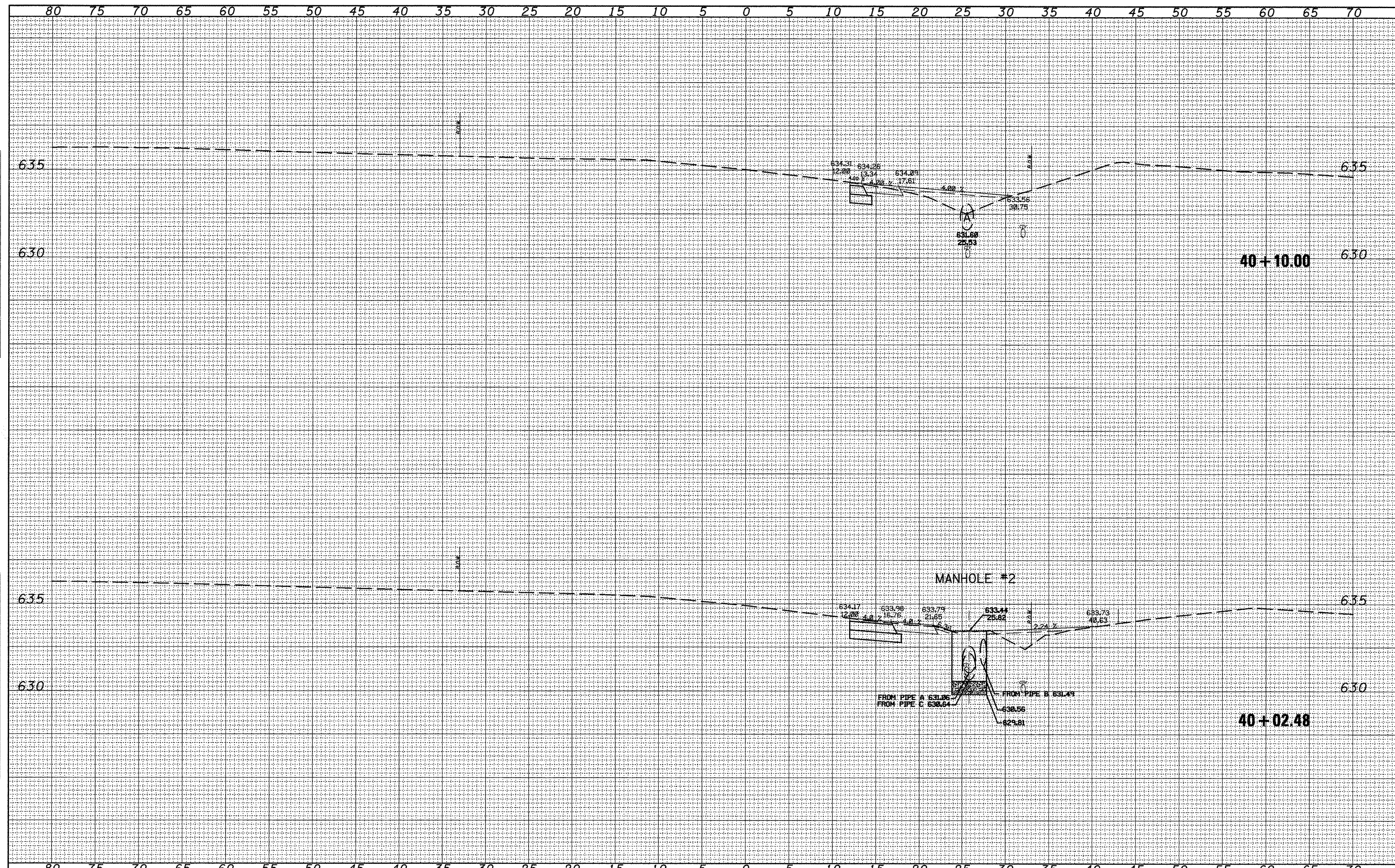
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = D468934-shr-ssht.dgn	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 122 X-SEC	F.A.P. RTE. 705	SECTION (126)L,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 29	CONTRACT NO. 68934	
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF	SHEETS		STA. 39+70.00 TO STA. 39+90.00		ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/28/2010	CHECKED -	REVISED -									
		DATE -	REVISED -									

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

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



FILE NAME =
0468934-sh-t-xssht.dgn

USER NAME = jlabidism	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 1/28/2010	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

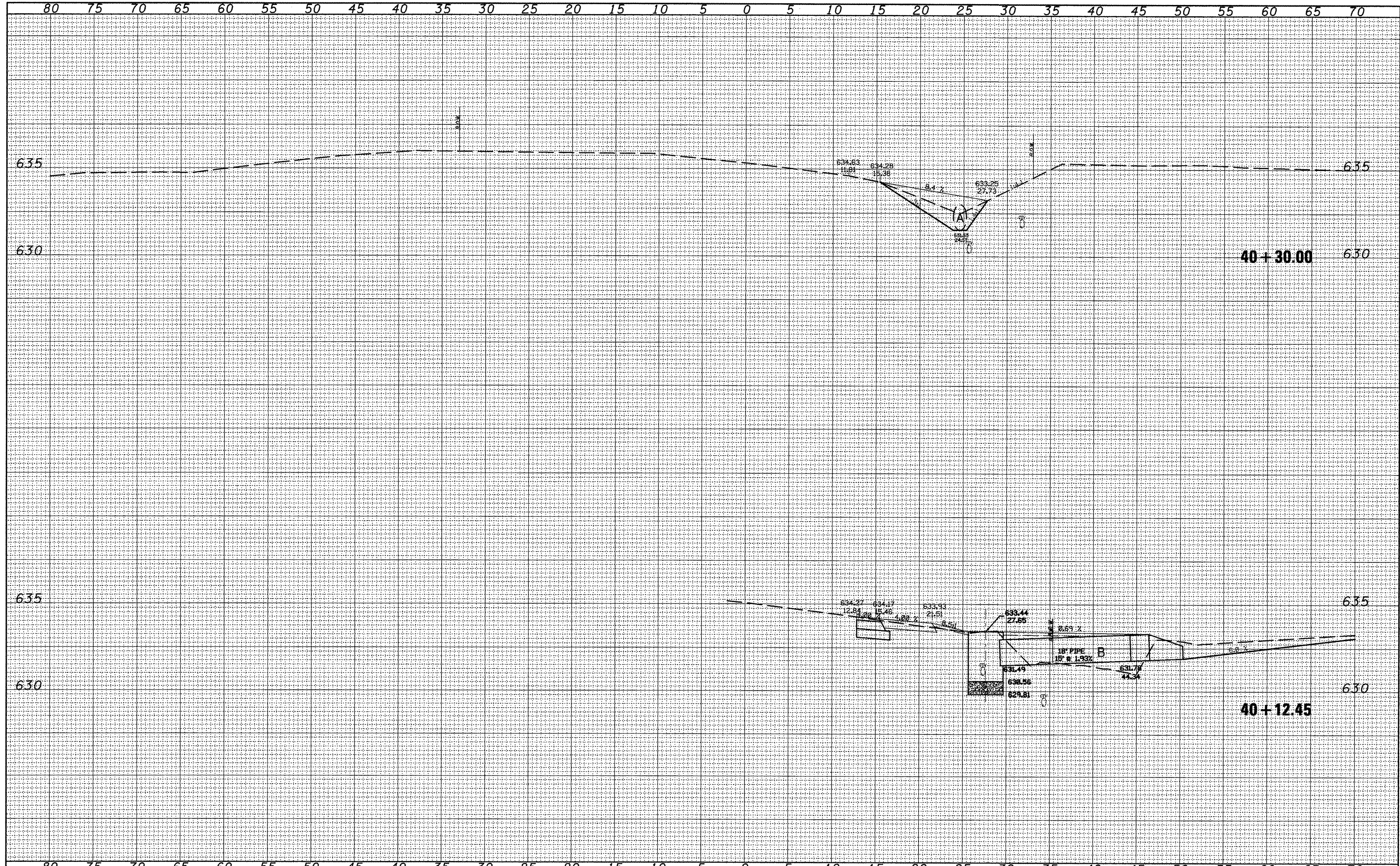
**IL 122
X-SEC**

SCALE: SHEET NO. OF SHEETS STA. 40+02.48 TO STA. 40+10.00

F.A.P. RTE. 705	SECTION (126).I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 30
CONTRACT NO. 68934			ILLINOIS FED. AID PROJECT	

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

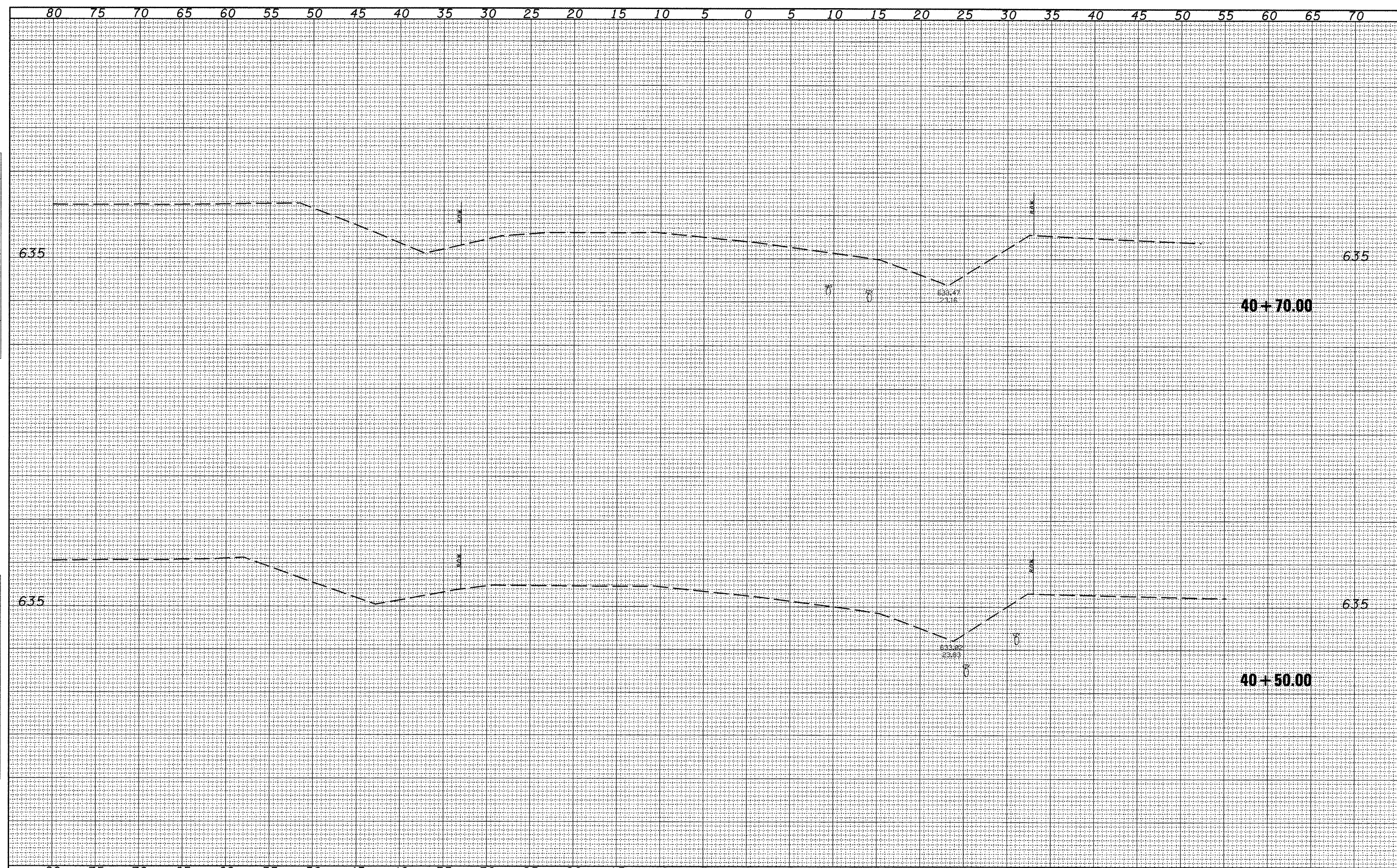
ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		



FILE NAME = D468934-sht-xseht.dgn	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 122 X-SEC	F.A.P. RTE. 705	SECTION (126)I,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 31		
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 40+12.45	TO STA. 40+30.00	CONTRACT NO. 68934		
	PLOT DATE = 1/28/2010	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

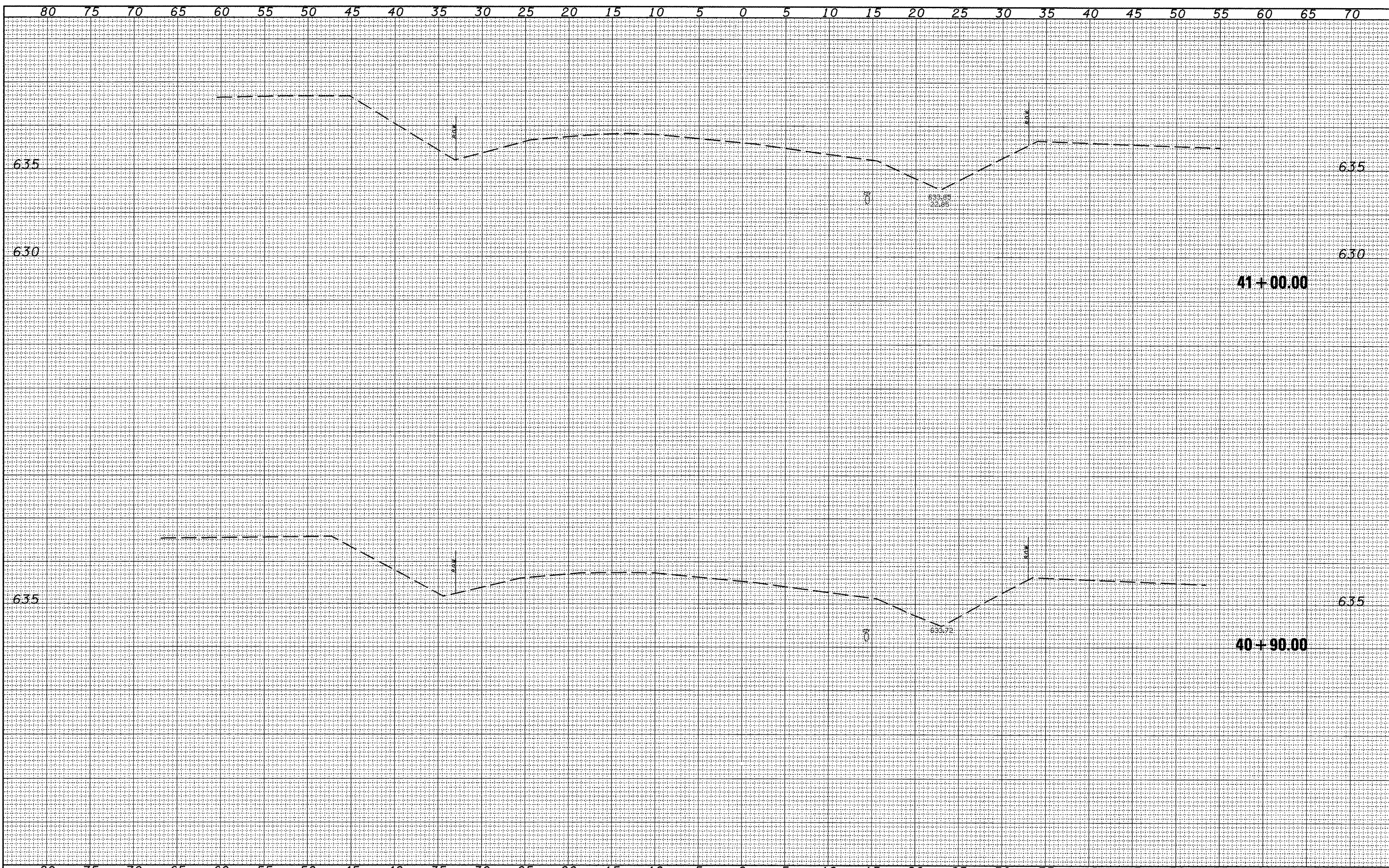
DATE	
BY	
ORIGINAL SURVEY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	



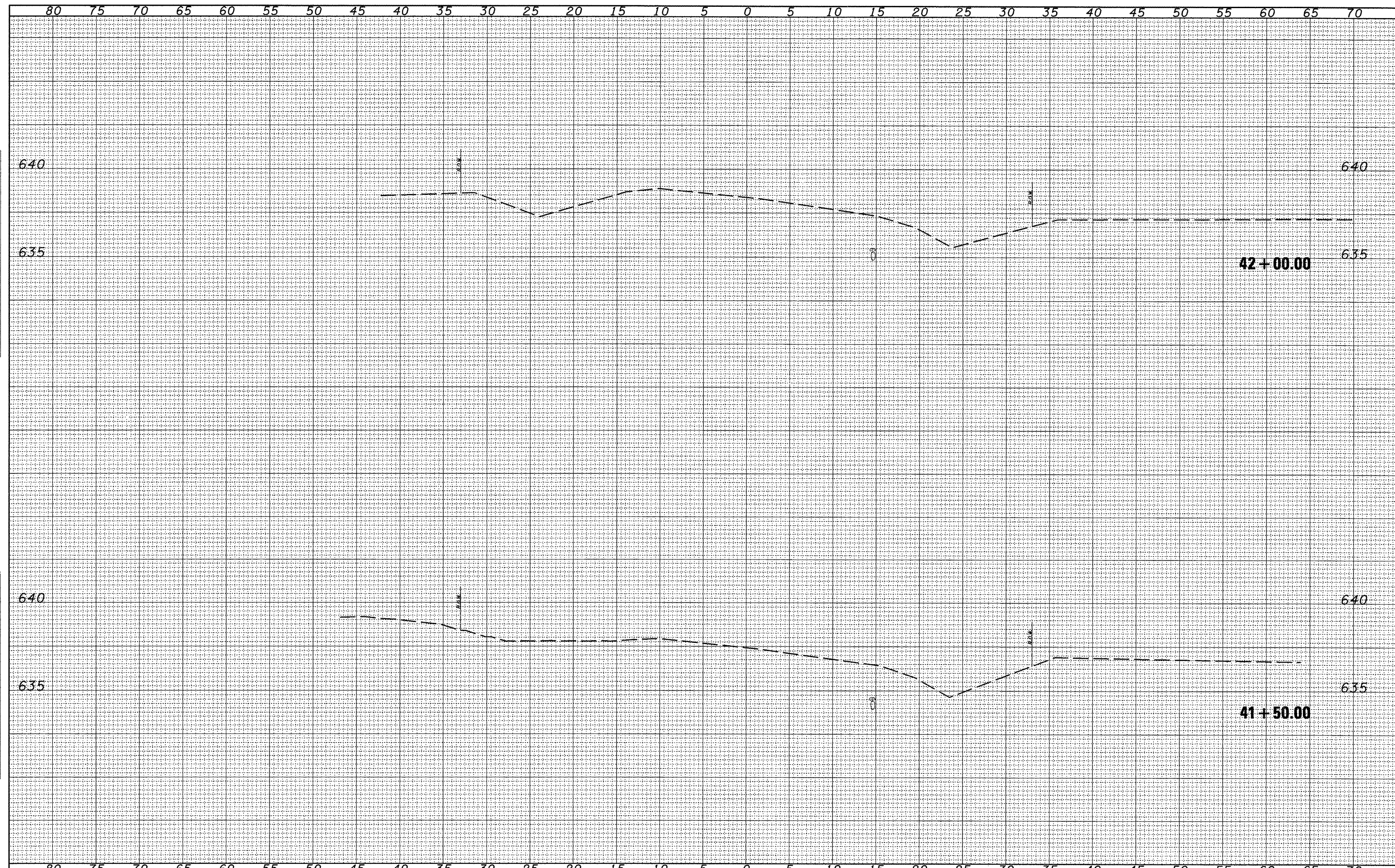
DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
APPROVED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

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



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

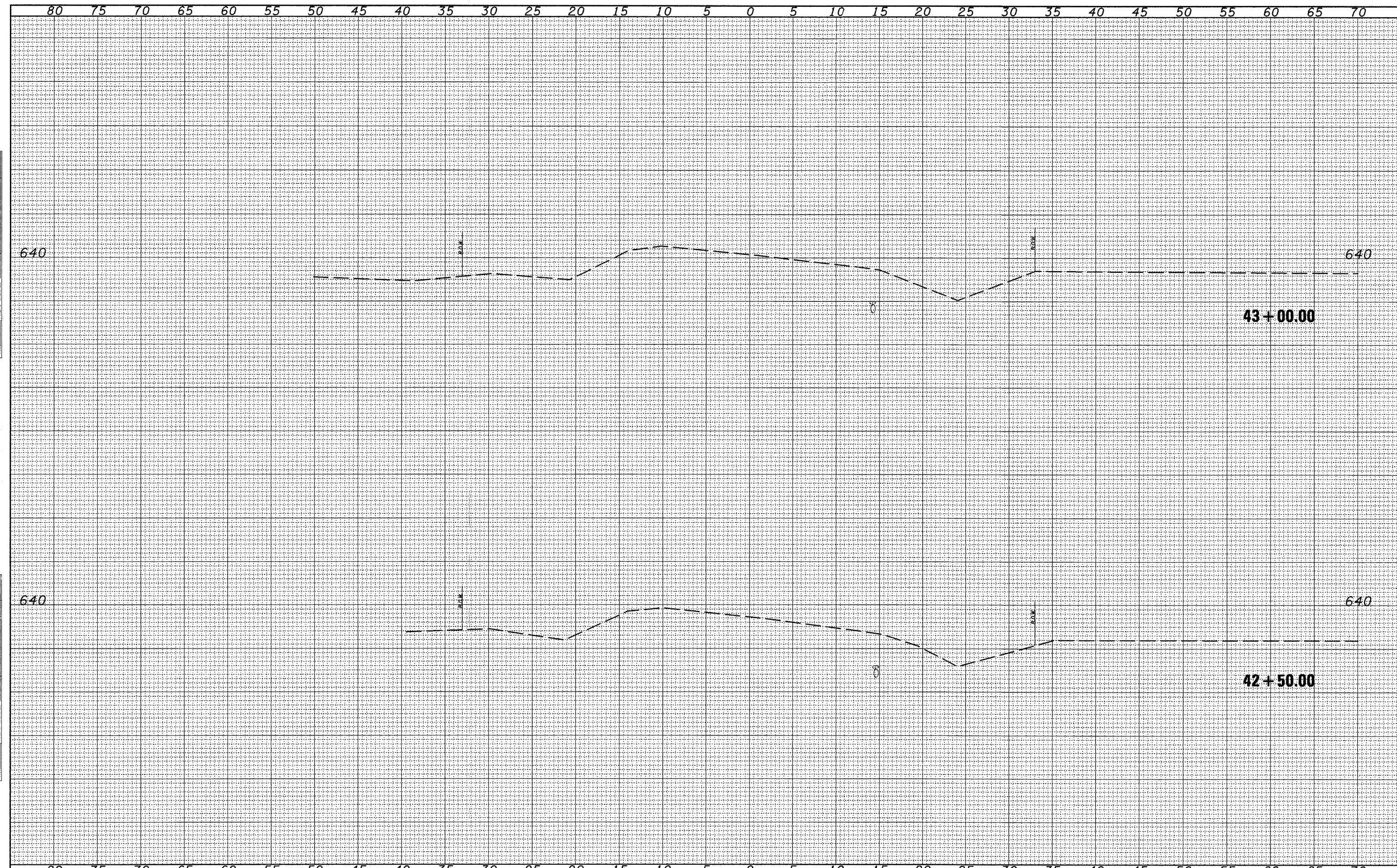
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



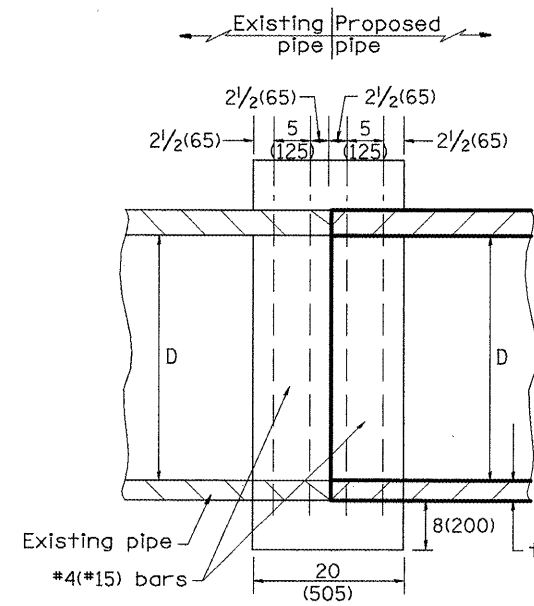
FILE NAME = 0468934-sht-xseht.dgn	USER NAME = lobbisdism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 122 X-SEC	F.A.P. RTE. 705	SECTION (126)L,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 34		
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 41+50.00 TO STA. 42+00.00	CONTRACT NO. 68934			
	PLOT DATE = 1/26/2010	DATE -	REVISED -			(ILLINOIS) FED. AID PROJECT						

BY	DATE

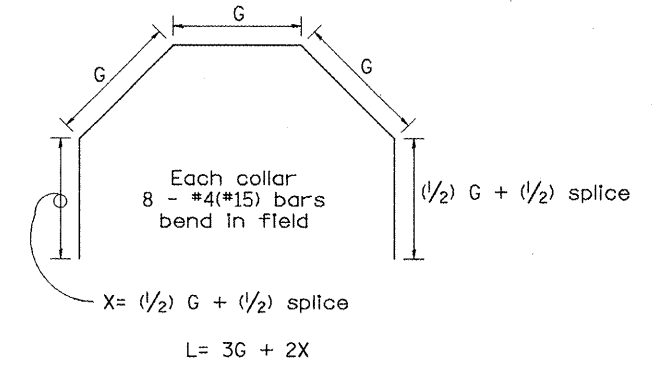
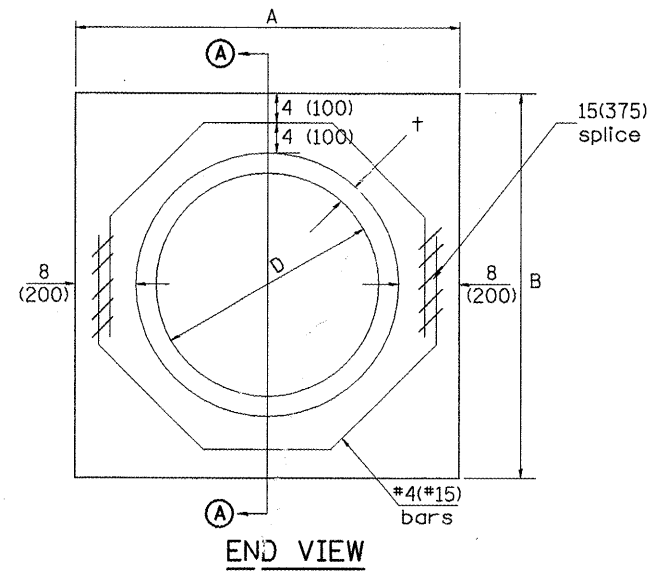
BY	DATE



FILE NAME = 0468934-sht-ssht.dgn	USER NAME = lababidiam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 122 X-SEC	F.A.P. RTE. 705	SECTION (126)L,I	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 35	
		DRAWN -	REVISED -			SCALE:	SHEET NO. OF	STA. 42+50.00 TO STA. 43+00.00		[ILLINOIS] FED. AID PROJECT CONTRACT NO. 68934	
		CHECKED -	REVISED -								
		DATE -	REVISED -								



SECTION A - A



Each Collar									
					Reinforcement Bars				
D	t	A	B	CL. SI CONC.	G	X	L	Weight	
in (mm)	in (mm)	ft (m)	ft (m)	cu. yd. (m ³)	in (mm)	in (mm)	ft (m)	lb (kg)	
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 ¹⁵ / ₁₆ (253)	12 ⁷ / ₁₆ (317)	4.57 (1.393)	24 (11)	
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	11 ³ / ₈ (290)	13 ³ / ₁₆ (335)	5.05 (1.541)	27 (12)	
18 (450)	2.50 (64)	3.25 (0.991)	3.25 (0.991)	0.5 (0.362)	12 ¹³ / ₁₆ (327)	13 ⁷ / ₈ (354)	5.54 (1.689)	30 (14)	
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 ¹ / ₄ (364)	14 ⁵ / ₈ (372)	6.02 (1.836)	32 (15)	
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15 ¹¹ / ₁₆ (401)	15 ⁵ / ₁₆ (391)	6.51 (1.984)	35 (16)	
27 (675)	3.25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	17 ¹ / ₄ (438)	16 ¹ / ₁₆ (409)	6.99 (2.131)	37 (17)	
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 ¹¹ / ₁₆ (475)	16 ³ / ₄ (428)	7.48 (2.279)	40 (18)	
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 ¹ / ₈ (512)	17 ¹ / ₂ (446)	7.96 (2.426)	43 (19)	
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 ⁹ / ₁₆ (549)	18 ³ / ₁₆ (465)	8.44 (2.574)	45 (20)	
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 ⁷ / ₁₆ (622)	19 ³ / ₄ (501)	9.41 (2.869)	50 (23)	
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 ⁵ / ₁₆ (696)	21 ³ / ₁₆ (538)	10.38 (3.164)	55 (25)	

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
2. WHEN PAID FOR BY EACH, ALL REINFORCEMENT BARS, CONCRETE, AND ANCHOR BOLTS NEEDED TO CONSTRUCT THE COLLAR SHOWN, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH AND NO OTHER COMPENSATIONS WILL BE ALLOWED

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIPE CULVERT EXTENSION COLLAR
(WITHOUT END SECTION) DETAIL

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
705	(126) L, I	TAZEWELL	36	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68934	