

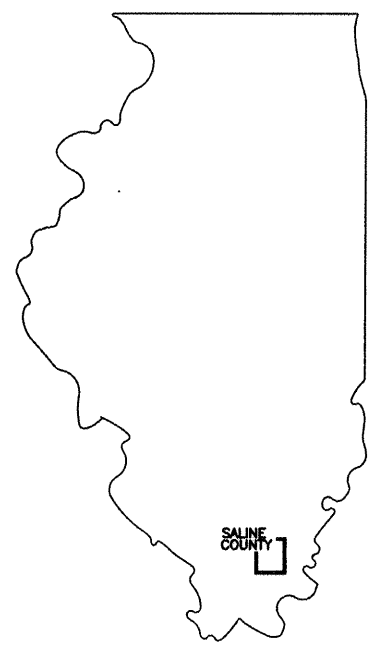
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	1
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)			CONTRACT NO. 99292	

**SALINE VALLEY CONSERVANCY DISTRICT**  
**PLANS FOR**  
**AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009**  
**EQUALITY TO GLEN O. JONES LAKE TRAIL**  
**PROJECT NO. ARA-TE-0009(084)**  
**SECTION 05-00002-00-BT**  
**JOB NO. C-99-505-05**

Board Members  
**ROBERT C. WILSON**  
*PRESIDENT*  
**BOB S. PRINCE**  
*TREASURER*  
**BEN BALLARD**  
*SECRETARY*  
**BRANDON MORSE**  
*TRUSTEE*  
**JAMES W. WATSON**  
*TRUSTEE*  
**LARRY PHELPS**  
*MANAGER*  
**C. MART WATSON**  
*ATTORNEY*

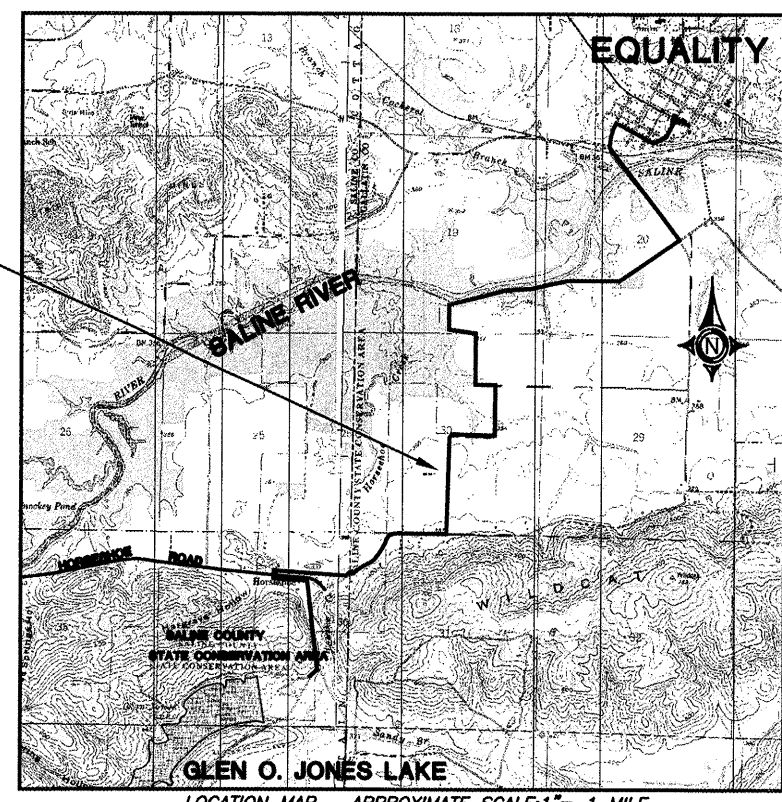
**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 LOCATION MAP
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 MATERIAL SCHEDULES
- 6 TYPICAL DETAILS
- 7 PEDESTRIAN BRIDGE  
GENERAL PLAN AND ELEVATION
- 8 PEDESTRIAN BRIDGE  
ABUTMENT DETAILS
- 9-30 PLAN & PROFILE
- 31-41 CROSS SECTIONS
- 42-45 CULVERT CROSS SECTIONS
- 46-47 STORM WATER POLLUTION  
PREVENTION PLAN



**CONTRACT NO. 99292**

**PROPOSED IMPROVEMENTS**



LOCATION MAP APPROXIMATE SCALE: 1" = 1 MILE  
 LENGTH OF IMPROVEMENT = 29,760 FEET (5.63 MILES)

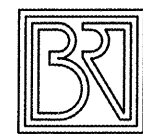
- HIGHWAY STANDARDS
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
  - 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
  - 701301-03 LANE CLOS., 2L, 2W, SHORT TIME OPERATIONS
  - 701901-01 TRAFFIC CONTROL DEVICES
  - BLR 21-8 TYPICAL APP. OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
  - BLR 22-6 TYPICAL APP. OF TRAFFIC CONTROL DEVICES FOR RURAL LOC. HWYS. (2-LANE 2-WAY RURAL TRAFF.) (RD. CLOSED TO THRU TRAFF.)
  - 728001-01 *TELESCOPING STEEL SIGN SUPPORT UTILITIES*

SHAWNEE TELEPHONE COMPANY  
 SOUTHEASTERN ILLINOIS ELECTRIC CO-OP.

**NOTE:** ALL EXISTING UTILITIES AND LOCATIONS TO BE CONFIRMED BY J.U.L.I.E. 800-892-0123

**B.R.I. JOB NO. 04-096**

*Jim W. Brown*  
 Jim W. Brown, President  
 Illinois Professional Design Firm  
 Land Survey & Prof. Eng. Corp  
 Number 184-002518  
 Expires April 30, 2011



**BROWN AND ROBERTS, INC.**  
**CONSULTING ENGINEERS AND LAND SURVEYORS**  
 1 WESTRIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111

**SALINE VALLEY CONSERVANCY DISTRICT**

---

APPROVED 10/25/2009  
*Larry Phelps*  
 MANAGER, SALINE VALLEY CONSERVANCY DISTRICT

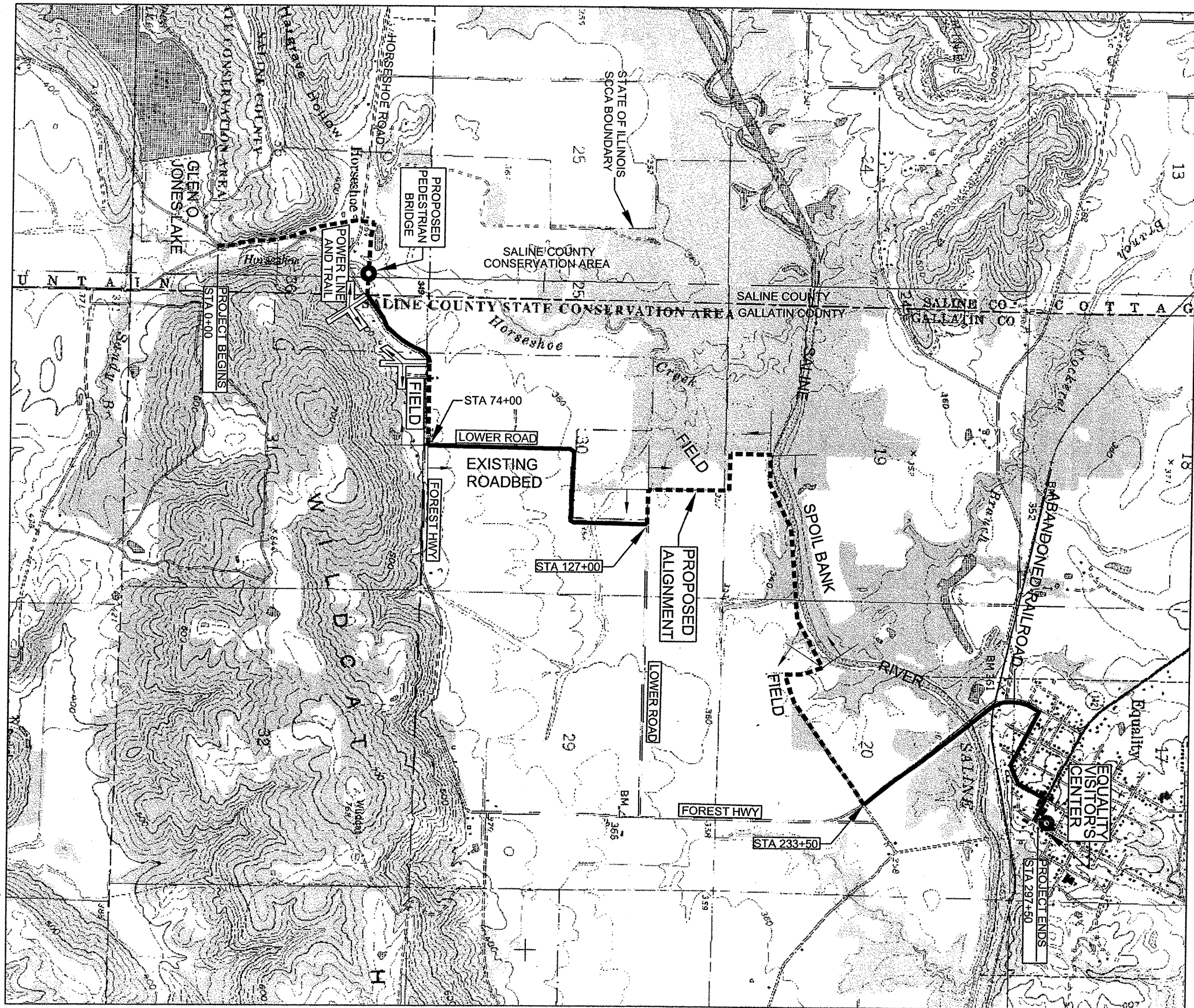
---

PASSED 11/19/2009  
*Richard W. Melcher*  
 DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

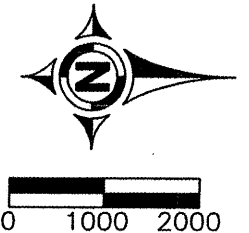
---

RELEASING FOR BID  
 BASED ON LIMITED  
 REVIEW Nov. 19, 2009  
*Mary C. Lamie*  
 MARY C. LAMIE, P.E.  
 DEPUTY DIRECTOR OF HIGHWAYS  
 REGION FIVE ENGINEER

28 Oct 2009 - 8:30am X:\2004\04096\04\PLANS\1 cover.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	2
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)		CONTRACT NO. 99292		

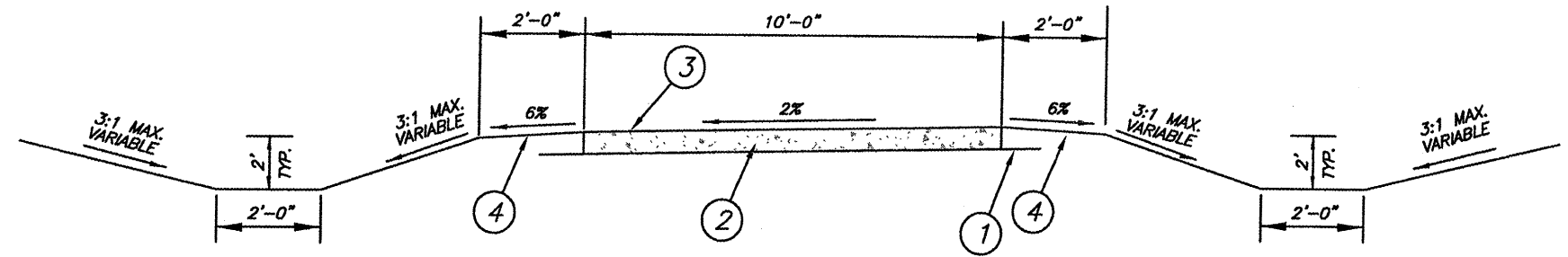


**LEGEND**

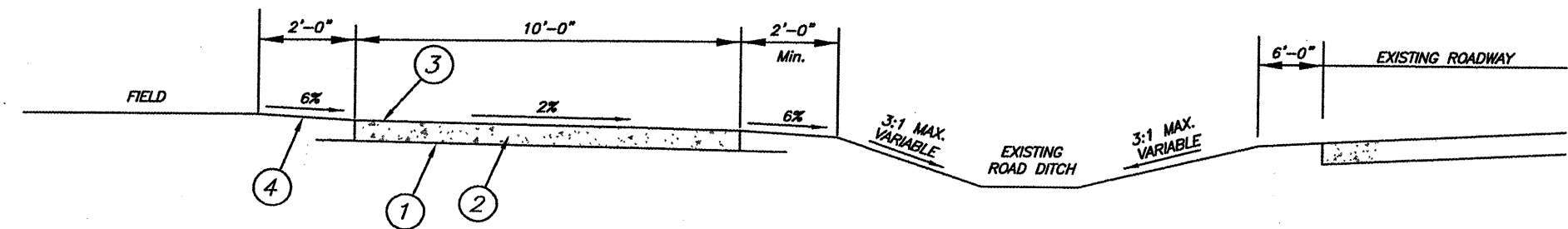
- PROPOSED BIKE PATH ALIGNMENT
- EXISTING PUBLIC ROAD



**BROWN AND ROBERTS, INC.**  
 CONSULTING ENGINEERS & LAND SURVEYORS  
 1 WEST RIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111



**PROPOSED TYPICAL SECTION**  
**0+00 TO 41+00 AND 133+00 TO 233+50**  
 NO SCALE



**PROPOSED TYPICAL SECTION**  
**41+00 TO 73+50**  
 NO SCALE

LEGEND

- ① GEOTECHNICAL FABRIC
- ② 8" AGG BASE CSE, TYPE A
- ③ DOUBLE SEAL COAT SURFACE
- ④ EARTH SHOULDERS



**S.V.C.D.**  
**ILLINOIS TRANSPORTATION**  
**ENHANCEMENT PROGRAM**  
**TYPICAL SECTIONS**

Drawn By:	Checked By:
MDC	MWR
Revisions	
Item	Date By
Scale:	Field Bk:
AS SHOWN	04-096
Job Number:	Date:
04-096	05/07
Sheet	

28 Oct 2009 - 8:47am X:\2004\04096\oc\PLANS\3-6 material schedules and typical details.dwg

**SIGN SCHEDULE**

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
SCSF&W ENTRANCE ROAD	BIKE ROUTE	D11-1	3.00	15.5
SCSF&W ENTRANCE ROAD	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
SCSF&W ENTRANCE ROAD	BICYCLE GUIDE ("5.6 MILES")	D1-1b	1.00	-
SCSF&W ENTRANCE ROAD	SINGLE ARROW	M7-1	0.75	-
SCSF&W ENTRANCE ROAD	BIKE ROUTE	D11-1	3.00	15.5
SCSF&W ENTRANCE ROAD	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
SCSF&W ENTRANCE ROAD	BICYCLE GUIDE ("5.6 MILES")	D1-1b	1.00	-
SCSF&W ENTRANCE ROAD	SINGLE ARROW	M7-1	0.75	-
SCSF&W ENTRANCE ROAD	BICYCLE WARNING	W11-1	4.00	15.0
SCSF&W ENTRANCE ROAD	SHARE THE ROAD	W16-1	3.00	-
SCSF&W ENTRANCE ROAD	BICYCLE WARNING	W11-1	4.00	15.0
SCSF&W ENTRANCE ROAD	SHARE THE ROAD	W16-1	3.00	-
STA. 0+00 LT	STOP	R1-1	2.25	13.5
STA. 0+25 RT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 0+60 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	13.5
STA. 0+60 LT	SINGLE ARROW	M7-1	0.75	-
STA. 0+60 RT	MILEPOST ("MILE 0")	M1-8	1.50	13.5
STA. 0+60 RT	MILEPOST ("MILE 0")	M1-8	1.50	-
STA. 26+30 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	13.5
STA. 26+30 LT	SINGLE ARROW	M7-1	0.75	-
STA. 27+67 RT	STOP	R1-1	2.25	13.5
STA. 27+67 LT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 27+90 LT	STOP	R1-1	2.25	13.5
HORSESHOE ROAD WEST	BICYCLE WARNING	W11-1	4.00	15.0
HORSESHOE ROAD WEST	SHARE THE ROAD	W16-1	3.00	-
HORSESHOE ROAD EAST	BICYCLE WARNING	W11-1	4.00	15.0
HORSESHOE ROAD EAST	SHARE THE ROAD	W16-1	3.00	-
STA. 28+55 LT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 28+80 RT	YIELD	R1-2	0.97	13.5
STA. 29+25 RT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 29+55 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	13.5
STA. 29+55 RT	SINGLE ARROW	M7-2	0.75	-
STA. 29+65 LT	YIELD	R1-2	0.97	13.5
GALLATIN COUNTY HWY 7	BICYCLE WARNING	W11-1	4.00	15.0
GALLATIN COUNTY HWY 7	SHARE THE ROAD	W16-1	3.00	-
STA. 42+00 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	13.5
STA. 42+00 LT	SINGLE ARROW	M7-1	0.75	-
STA. 42+00 RT	STOP	R1-1	2.25	13.5
STA. 42+23 LT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 52+80 RT	MILEPOST ("MILE 1")	M1-8	1.50	13.5
STA. 52+80 RT	MILEPOST ("MILE 1")	M1-8	1.50	-
GALLATIN COUNTY HWY 7	BICYCLE WARNING	W11-1	4.00	15.0
GALLATIN COUNTY HWY 7	SHARE THE ROAD	W16-1	3.00	-
STA. 61+40 LT	STOP	R1-1	2.25	13.5
STA. 61+40 RT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 63+00 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	13.5
STA. 63+00 RT	SINGLE ARROW	M7-1	0.75	-
GALLATIN COUNTY HWY 7	BICYCLE WARNING	W11-1	4.00	15.0
GALLATIN COUNTY HWY 7	SHARE THE ROAD	W16-1	3.00	-
STA. 73+20 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	13.5
STA. 73+20 RT	SINGLE ARROW	M7-1	0.75	-
STA. 73+80 RT	STOP	R1-1	2.25	13.5
STA. 73+90 LT	NO MOTOR VEHICLES	R5-3	4.00	14.0
GALLATIN COUNTY HWY 7	BICYCLE WARNING	W11-1	4.00	15.0
GALLATIN COUNTY HWY 7	SHARE THE ROAD	W16-1	3.00	-
STA. 74+35 LT	BIKE ROUTE	D11-1	3.00	15.0
STA. 74+35 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
STA. 74+35 LT	SINGLE ARROW	M7-1	0.75	-
STA. 105+60 RT	MILEPOST ("MILE 2")	M1-8	1.50	13.5
STA. 105+60 RT	MILEPOST ("MILE 2")	M1-8	1.50	-
STA. 125+90 RT	BIKE ROUTE	D11-1	3.00	15.0
STA. 125+90 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
STA. 125+90 RT	SINGLE ARROW	M7-1	0.75	-
LOWER ROAD	BICYCLE WARNING	W11-1	4.00	15.0
LOWER ROAD	SHARE THE ROAD	W16-1	3.00	-
STA. 127+15 LT	STOP	R1-1	2.25	13.5
STA. 127+50 LT	BIKE ROUTE	D11-1	3.00	15.0
STA. 127+50 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
STA. 127+50 LT	SINGLE ARROW	M7-1	0.75	-

**SIGN SCHEDULE**

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
STA. 133+25 RT	CURVE WARNING	W1-1	2.25	14.5
STA. 134+05 RT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 134+20 LT	CURVE WARNING	W1-1	2.25	14.5
STA. 158+40 RT	MILEPOST ("MILE 3")	M1-8	1.50	13.5
STA. 158+40 RT	MILEPOST ("MILE 3")	M1-8	1.50	-
STA. 211+20 RT	MILEPOST ("MILE 4")	M1-8	1.50	13.5
STA. 211+20 RT	MILEPOST ("MILE 4")	M1-8	1.50	-
STA. 233+00 RT	BIKE ROUTE	D11-1	3.00	15.0
STA. 233+00 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
STA. 233+00 RT	SINGLE ARROW	M7-1	0.75	-
STA. 233+40 LT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 233+45 RT	STOP	R1-1	2.25	13.5
STA. 234+45 LT	BIKE ROUTE	D11-1	3.00	15.0
STA. 234+45 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
STA. 234+45 LT	SINGLE ARROW	M7-1	0.75	-
GALLATIN COUNTY HWY 7	BIKE ROUTE	D11-1	3.00	15.0
GALLATIN COUNTY HWY 7	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
GALLATIN COUNTY HWY 7	SINGLE ARROW	M7-1	0.75	-
GALLATIN COUNTY HWY 7	BICYCLE WARNING	W11-1	4.00	15.0
GALLATIN COUNTY HWY 7	SHARE THE ROAD	W16-1	3.00	-
265+00 LT	BICYCLE WARNING	W11-1	4.00	15.0
265+00 LT	SHARE THE ROAD	W16-1	3.00	-
267+00 RT	BICYCLE WARNING	W11-1	4.00	15.0
267+00 RT	SHARE THE ROAD	W16-1	3.00	-
STA. 264+00 RT	MILEPOST ("MILE 5")	M1-8	1.50	13.5
STA. 264+00 RT	MILEPOST ("MILE 5")	M1-8	1.50	-
STA. 271+75 RT	BIKE ROUTE	D11-1	3.00	15.0
STA. 271+75 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
STA. 271+75 RT	SINGLE ARROW	M7-1	0.75	-
GALLATIN COUNTY HWY 7	BIKE ROUTE	D11-1	3.00	16.5
GALLATIN COUNTY HWY 7	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
GALLATIN COUNTY HWY 7	SINGLE ARROW	M7-1	0.75	-
GALLATIN COUNTY HWY 7	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-

**SIGN SCHEDULE**

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
GALLATIN COUNTY HWY 7	SINGLE ARROW	M7-2	0.75	-
GALLATIN COUNTY HWY 7	BICYCLE WARNING	W11-1	4.00	15.0
GALLATIN COUNTY HWY 7	SHARE THE ROAD	W16-1	3.00	-
STA. 272+70 LT	BIKE ROUTE	D11-1	3.00	15.0
STA. 272+70 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
STA. 272+70 LT	SINGLE ARROW	M7-1	0.75	-
STA. 292+80 RT	BIKE ROUTE	D11-1	3.00	15.0
STA. 292+80 RT	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
STA. 292+80 RT	SINGLE ARROW	M7-1	0.75	-
LANE STREET	BICYCLE WARNING	W11-1	4.00	15.0
LANE STREET	SHARE THE ROAD	W16-1	3.00	-
LANE STREET	BIKE ROUTE	D11-1	3.00	16.5
LANE STREET	BICYCLE GUIDE ("EQUALITY")	D1-1b	1.00	-
LANE STREET	SINGLE ARROW	M7-2	0.75	-
LANE STREET	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
LANE STREET	SINGLE ARROW	M7-1	0.75	-
STA. 293+70 LT	BIKE ROUTE	D11-1	3.00	15.0
STA. 293+70 LT	BICYCLE GUIDE ("GLEN O JONES LAKE")	D1-1b	1.00	-
STA. 293+70 LT	SINGLE ARROW	M7-1	0.75	-
STA. 295+75 LT	BICYCLE WARNING	W11-1	4.00	15.0
STA. 295+75 LT	SHARE THE ROAD	W16-1	3.00	-

PROJECT TOTALS 265.94 890

**TREE REMOVAL SCHEDULE**

STATION	WIDTH	ACRES
10+00 to 12+50	15'	0.1
27+85 to 43+00	30'	1.1
55+00 to 55+50	30'	0.1
133+50 to 134+50	40'	0.1
160+00 to 205+50	65'	6.8

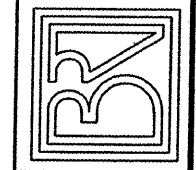
TOTALS 8.2

**CULVERT SCHEDULE**

STATION	12" DIA CSCP TY1 (FOOT)	15" DIA CSCP TY1 (FOOT)	15" DIA CSCP TY2 (FOOT)	36" DIA CSCP TY2 (FOOT)	36" DIA CSCP TY3 (FOOT)	15" DIA RCCP (FOOT)	24" DIA RCCP (FOOT)	42" DIA RCCP (FOOT)	8'x4' PCBC (FOOT)	15" DIA SES (EACH)	24" DIA PRCFES (EACH)	8'x4' PRC END (EACH)	TRENCH BACKFILL (CU YD)	CONCRETE COLLAR (CU YD)	STONE RR A3 (TON)
0+32			52							2			3.4		
7+00							12				1		2.2	0.16	
16+62															
17+74								27							
25+07		26													
27+60	24														
27+98		24													
42+40															
73+70	24						44								
133+92	28														
135+75	24														
143+00	24														
153+75		28													
169+36									100				6.7		16
179+58									76				7.2		16
184+07									80				6.3		16
185+51									100				6.7		16
193+77									100				6.7		16
195+80				50									6.3		16
203+55	50												3.1		
211+00		24											2.4		
233+53								35						0.53	
TOTALS	174	102	52	50	456	101	12	35		2	1		74.0	0.69	96

PROJ. NO. ARA-TE-D009(84)  
CONTRACT NO. 99292

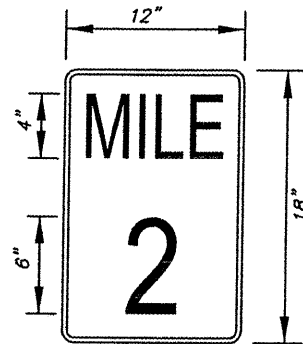
**BROWN AND ROBERTS, INC.**  
CONSULTING ENGINEERS & LAND SURVEYORS  
1 WESTRIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111



**S.V.C.D.**  
ILLINOIS TRANSPORTATION  
ENHANCEMENT PROGRAM  
MATERIAL SCHEDULES

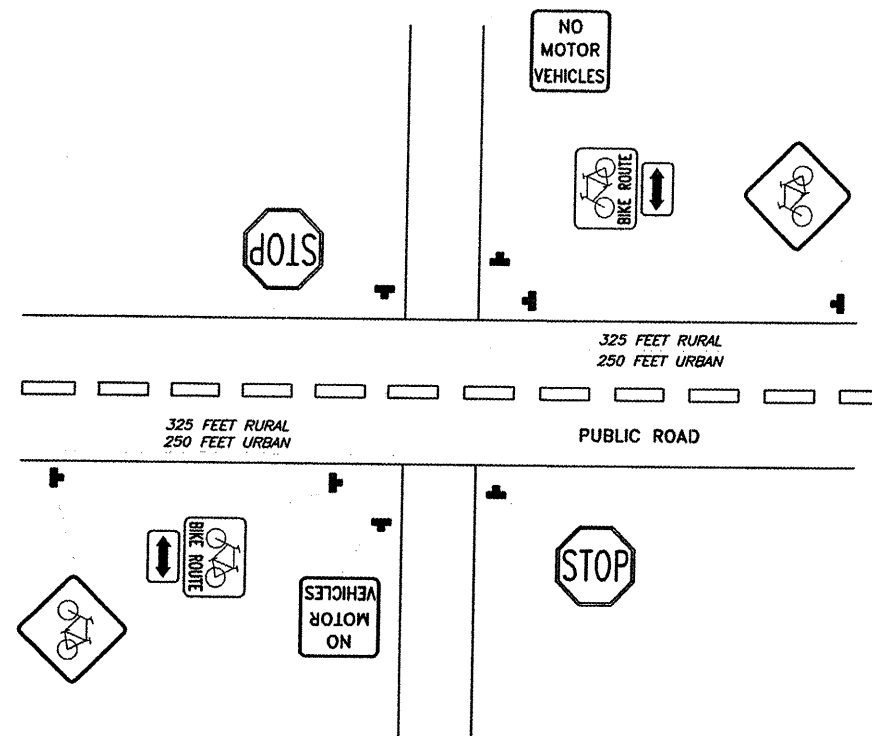
Drawn By: VJW Checked By: MWR  
Revisions  
Item Date By  
Scale: AS SHOWN Field Bk: 04-096  
Job Number: 04-096 Date: 05/07  
Sheet

14 Oct 2009 - 8:45am X:\2004\04096\oc\PLANS\3-e material schedules and typical details.dwg

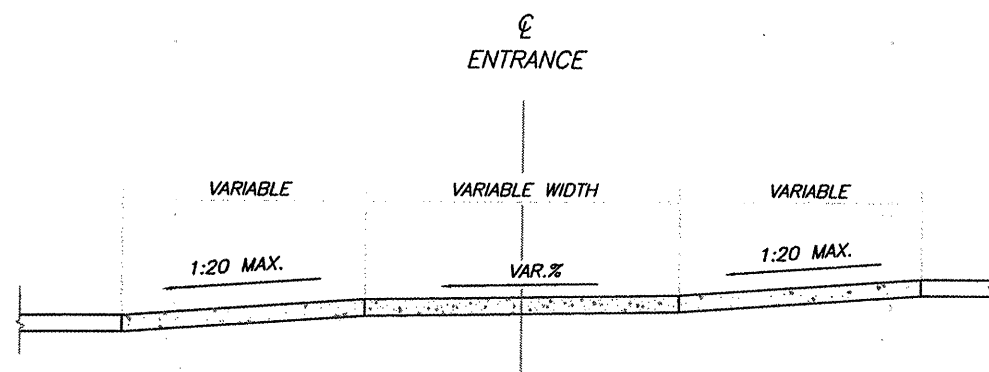


Note: Sign to be same style as M1-8. Letters to be 4" tall, Number to be 6" tall. White legend and border on green background.

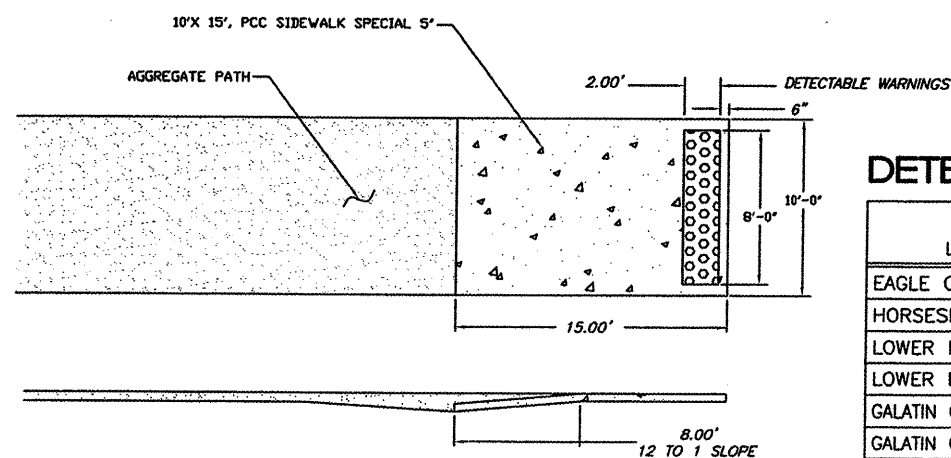
**TYPICAL MILEPOST SIGN DETAIL**  
NO SCALE



**TYPICAL SIGNING OF BICYCLE TRAIL**  
NO SCALE

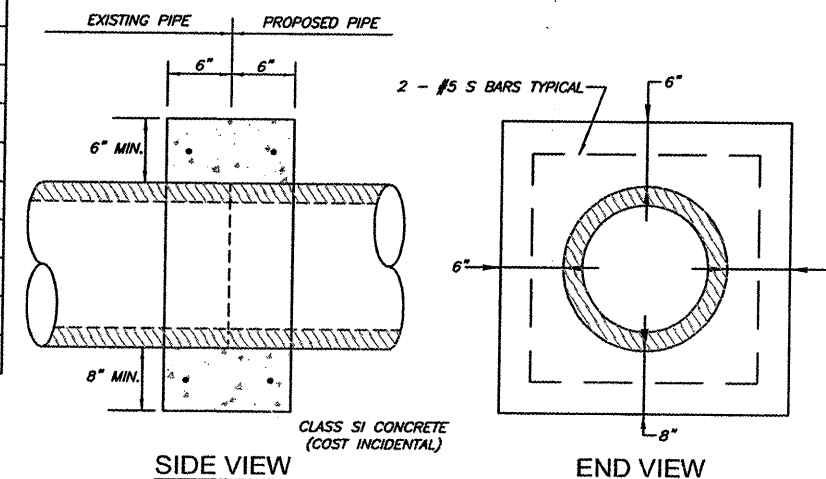


**TYPICAL BIKE PATH PROFILE AT PRIVATE OR FARM ENTRANCE**  
NO SCALE



**DETECTABLE WARNING DETAIL**  
NO SCALE

PIPE DIA.	CLASS SI CONCRETE CU. YD. (EST.)
12"	0.16
15"	0.19
18"	0.21
24"	0.29
30"	0.37
36"	0.44
42"	0.53
48"	0.62
54"	0.71



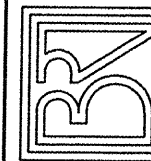
- NOTES:
- ALL CONCRETE SHALL BE PAID FOR AT THE UNIT PRICE FOR CONCRETE STRUCTURES. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
  - ALL REINFORCEMENT FOR CONCRETE COLLARS SHALL BE INCLUDED IN THE UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLARS.

**CONCRETE COLLAR DETAILS**

**DETECTABLE WARNINGS SCHEDULE**

LOCATION	NAME	QUANTITY SQ. FT.
EAGLE CREEK ROAD	DETECTABLE WARNINGS	16
HORSESHOE ROAD	DETECTABLE WARNINGS	32
LOWER ROAD	DETECTABLE WARNINGS	16
LOWER ROAD	DETECTABLE WARNINGS	16
GALATIN COUNTY HWY 7	DETECTABLE WARNINGS	16
GALATIN COUNTY HWY 7	DETECTABLE WARNINGS	16
PROJECT TOTAL		112

**BROWN AND ROBERTS, INC.**  
CONSULTING ENGINEERS & LAND SURVEYORS  
1 WEST RIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111



**S.V.C.D.**  
ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM  
TYPICAL DETAILS

Drawn By: MDC	Checked By: MWR
Revisions	
Item	Date By
Scale: AS SHOWN	Field Bk: 04-096
Job Number: 04-096	Date: 05/07

Sheet  
**6**  
of 47

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	7
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84) CONTRACT NO. 99292				

**GENERAL NOTES**

- All materials and construction shall conform to the latest edition of the Illinois Department of Transportation Standard Specifications for Roads and Bridge Construction, Jan. 1, 2007
- Design Specifications: AASHTO Standard Specifications for Highway Bridges 1996
  - 2. - Abutment
    - A - Bridge Dead Load = 60 psf
    - B - Bridge Live Load = 85 psf
- Top elevation of abutment shown on drawing are the estimated elevation. Exact elevation shall be coordinated with bridge manufacturer.
- Locations of anchor bolts shown on drawing are the estimated locations. Exact locations of anchor bolts shall be coordinated with bridge manufacturer.
- All channel excavation is considered incidental to the contract price.

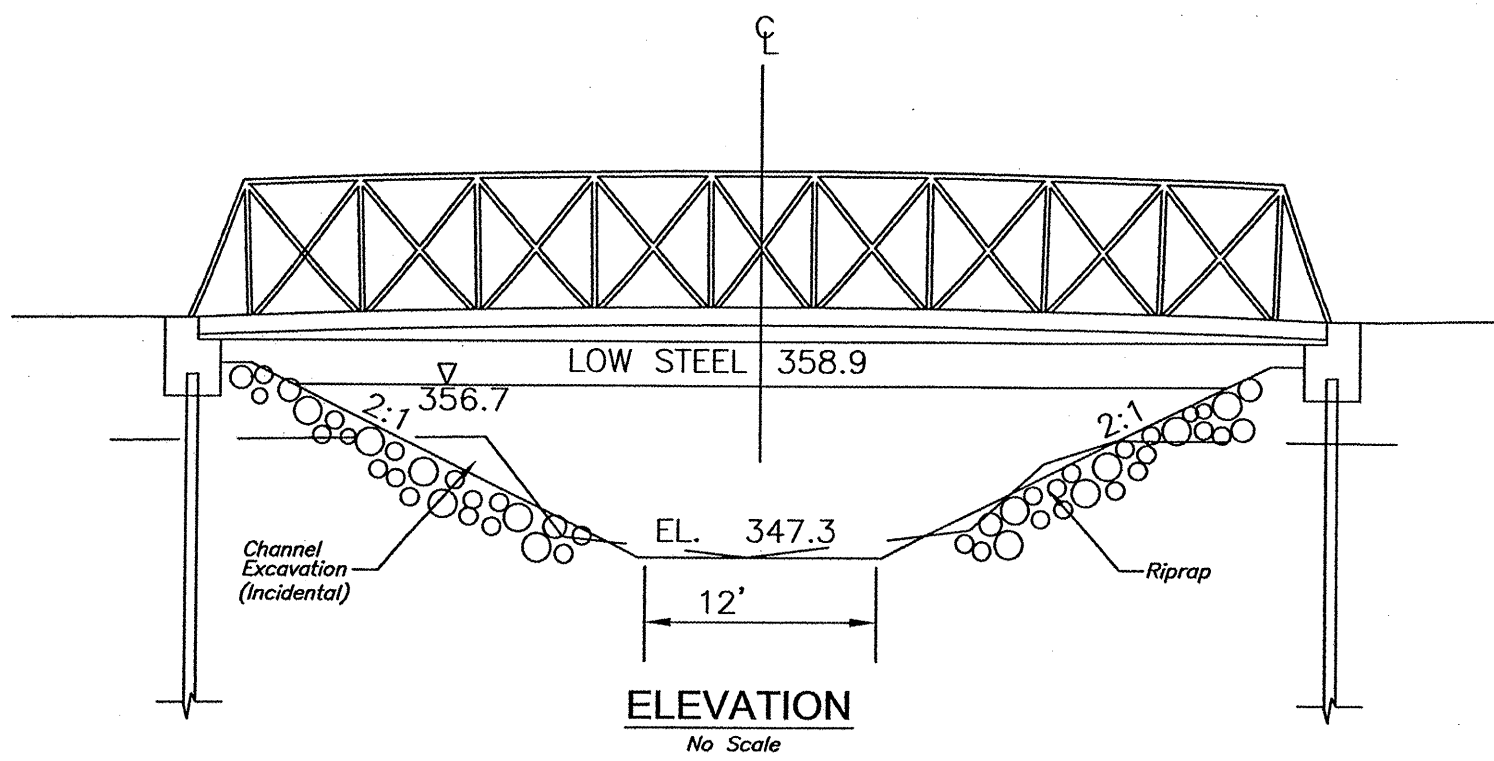
**WATERWAY INFORMATION**

Drainage Area = 3.87 Sq. Mi. Low Grade Elev. = 357.50

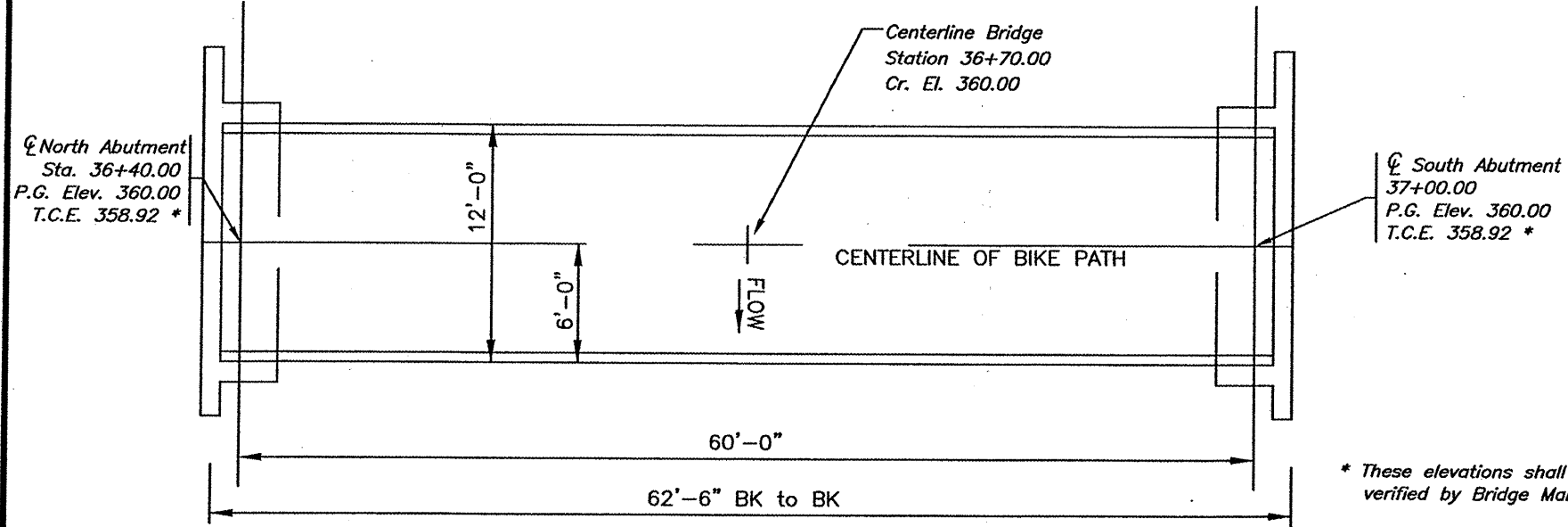
Flood	Freq. (year)	Q (cfs)	Opening (sq ft)		Natural HWE	Head (ft)		Headwater Elev	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	15	1800	N.A.	235	356.67	N.A.	0	N.A.	382.4
Base	100	2887	N.A.	299	358.41	N.A.	0	N.A.	358.52

**BILL OF MATERIAL - 2 ABUTMENTS**

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Concrete Structures	Cu Yd			9.4	9.4
Reinforcement Bars	Pound			1200	1200
Furnishing Piles HP 10 X 42	Foot			200	200
Driving Steel Piles	Foot			200	200
Pedestrian Truss Superstructure	Each	1			1
Name Plates	Each			1	1
Riprap	Ton			90	90

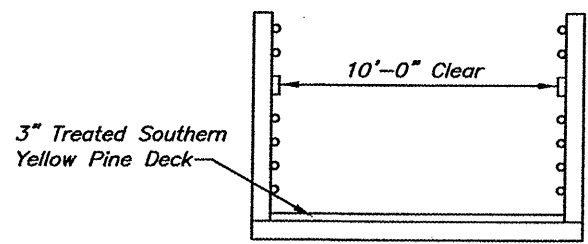


**ELEVATION**  
No Scale

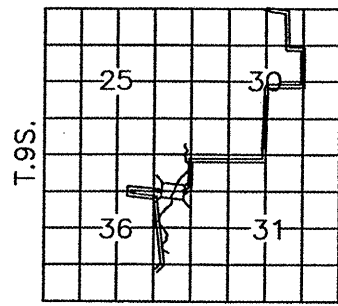


**PLAN**  
No Scale

\* These elevations shall be verified by Bridge Manufacturer



**SECTION**  
No Scale



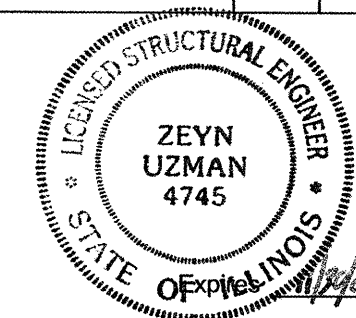
**LOCATION SKETCH**



STATION 36+70  
HORSESHOE CREEK  
STRUCTURE NO. 030-3125  
SEC.05-00002-00-BT  
SALINE VALLEY CONSERVANCY DISTRICT  
BUILT 2010

**LETTERING FOR NAME PLATE**

Locate Name Plate at SOUTHWEST Corner of Bridge



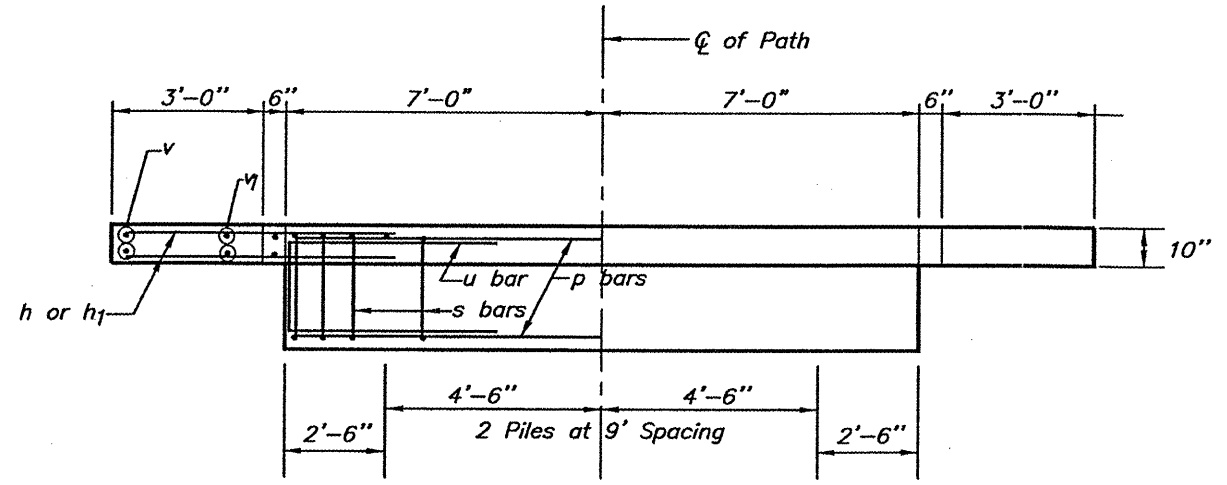
Illinois Structural No. 4745

**GENERAL PLAN AND ELEVATION**

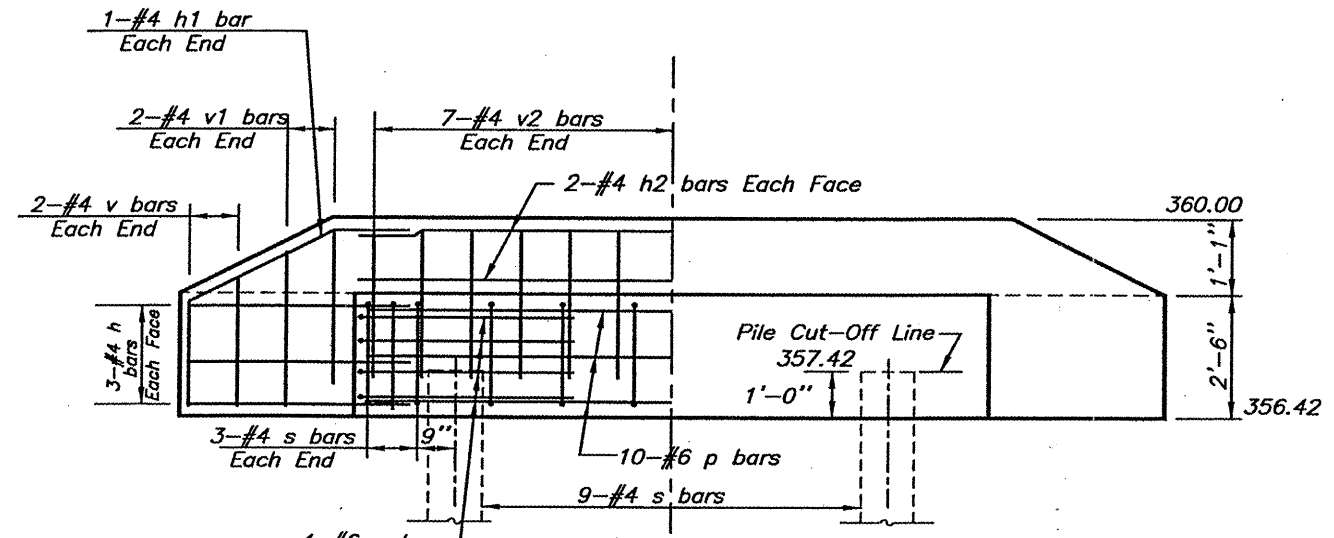
**PEDESTRIAN BRIDGE OVER HORSESHOE CREEK**

SECTION 05-00002-00-BT  
SALINE VALLEY CONSERVANCY DISTRICT  
STATION 36+70

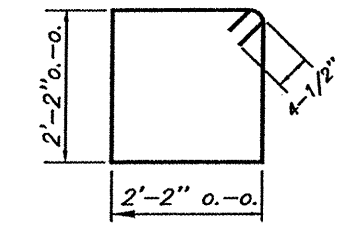
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	8
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	



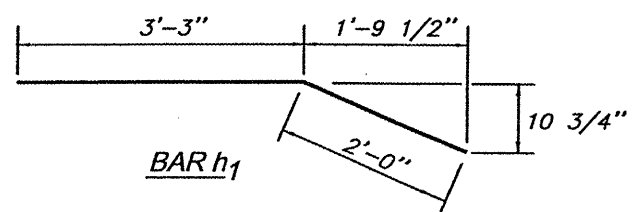
**PLAN**



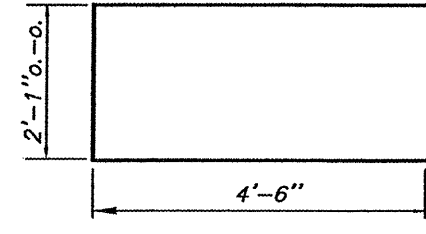
**ELEVATION**



**BAR S**



**BAR h1**



**BAR u**

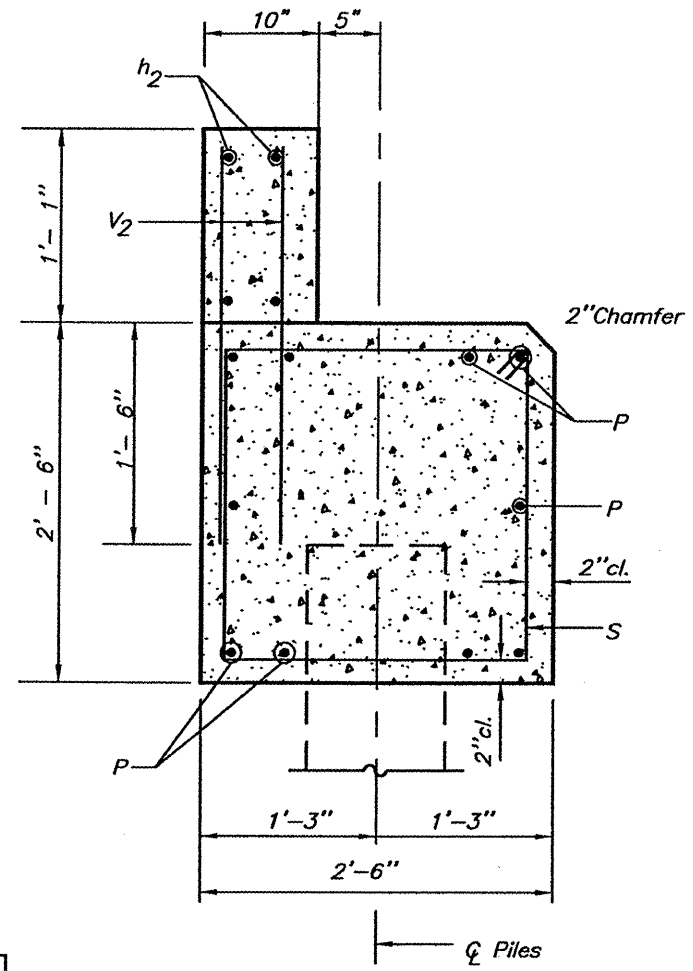
Dimension to be verified with Bridge Manufacturer

**PILE DATA (2-ABUTMENTS)**

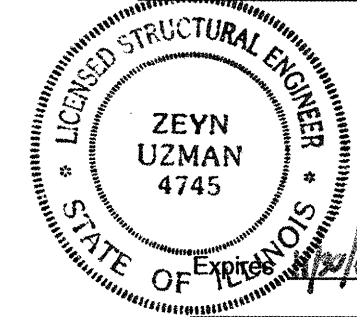
Type: HP 10X42  
 Capacity: Refusal (84 tons)  
 Estimated Length: 50 Feet  
 Number Required: 4

**BILL OF MATERIAL FOR ONE ABUTMENT**

Bar	No.	Size	Length	Shape
h	12	4	5'-0"	—
h1	4	4	5'-3"	—
h2	4	4	13'-8"	—
p	10	6	13'-8"	—
s	15	4	9'-5"	□
u	8	6	11'-1"	□
v	8	4	2'-6"	—
v1	8	4	2'-9"	—
v2	28	4	2'-5"	—
Concrete Structures			4.7 Cu. Yds.	
Reinforcement Bars			600 Lbs.	



**SECTION THRU ABUTMENT**

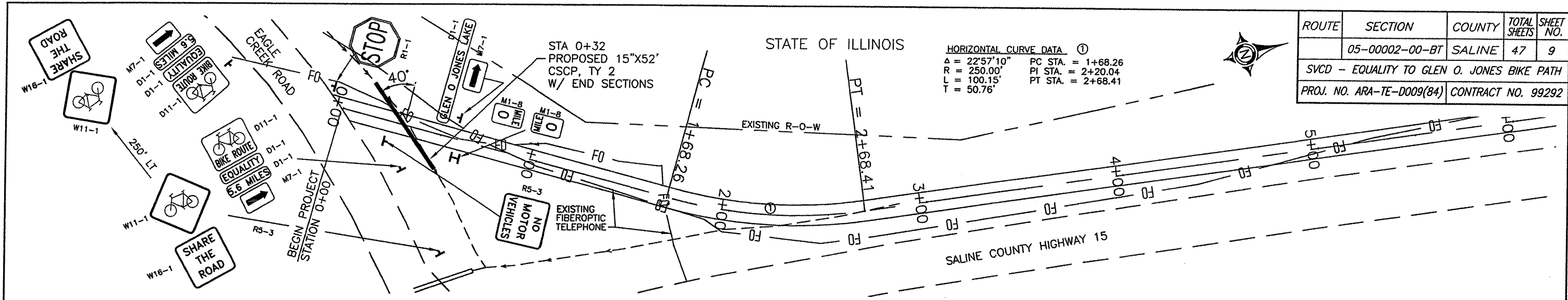


Illinois Structural No. 4745

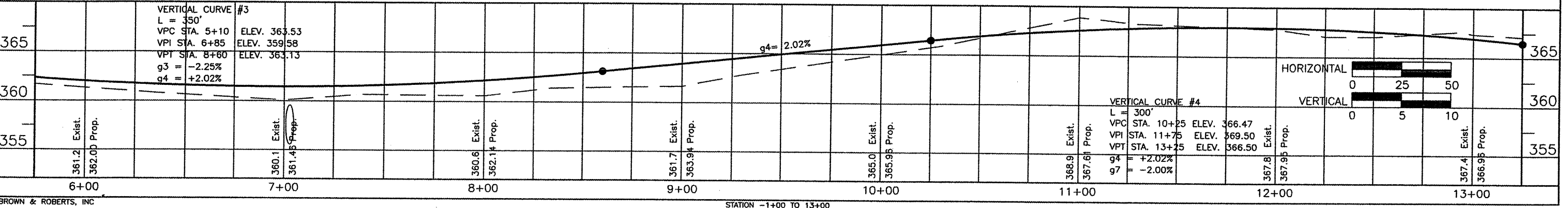
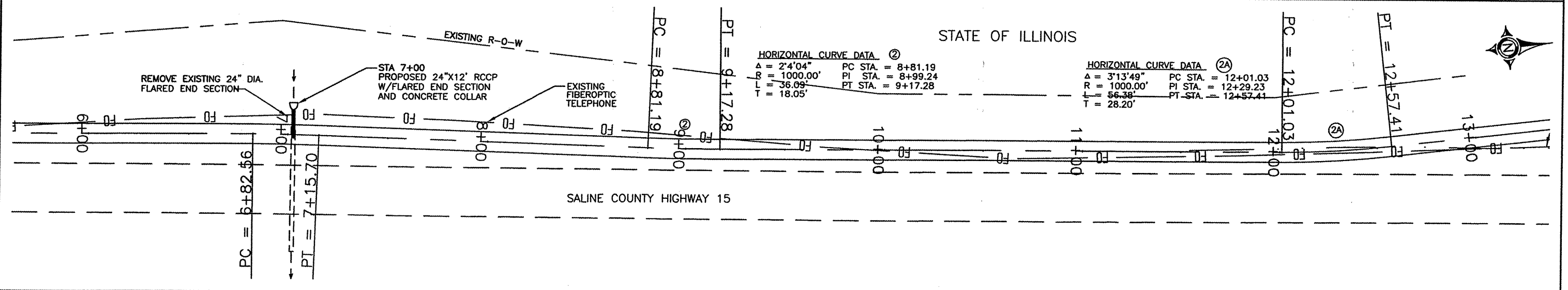
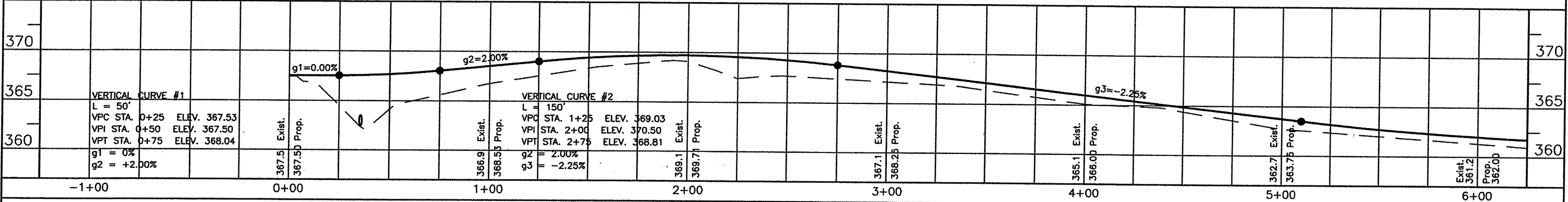
**ABUTMENT DETAIL SHEET**  
**PEDESTRIAN BRIDGE**  
**OVER HORSESHOE CREEK**  
 SECTION 05-00002-00-BT  
 SALINE VALLEY CONSERVANCY DISTRICT  
 STATION 36+70



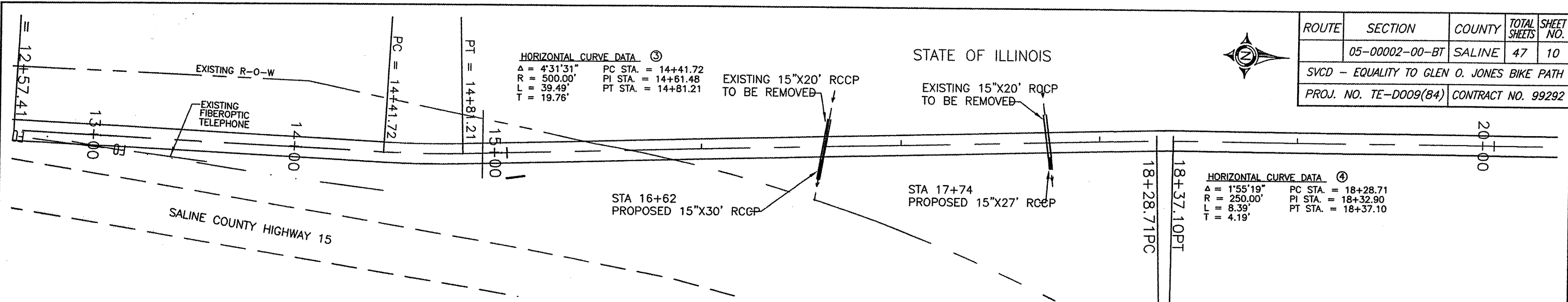
15 Oct 2009 - 6:21am X:\2004\104096\ac\PLANS\9-30\_plan & profile revised Hopson Alignment.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	9
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)			CONTRACT NO. 99292	

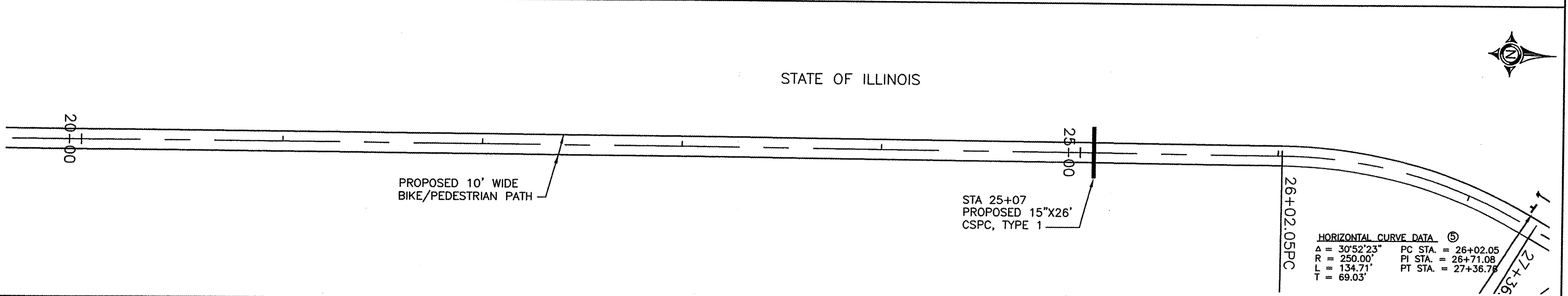
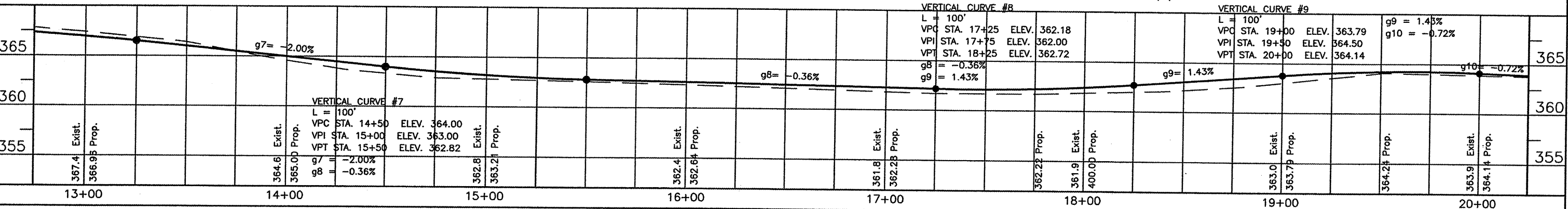


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	10
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-0009(84)			CONTRACT NO. 99292	

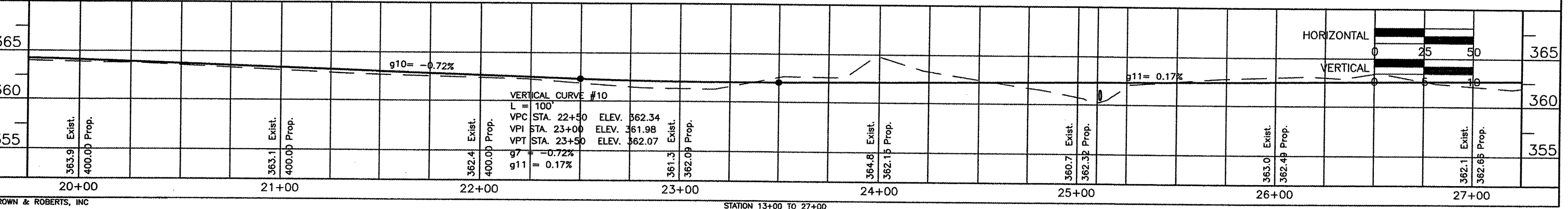


**HORIZONTAL CURVE DATA ③**  
 $\Delta = 4^{\circ}31'31''$  PC STA. = 14+41.72  
 $R = 500.00'$  PI STA. = 14+61.48  
 $L = 39.49'$  PT STA. = 14+81.21  
 $T = 19.76'$

**HORIZONTAL CURVE DATA ④**  
 $\Delta = 1^{\circ}55'19''$  PC STA. = 18+28.71  
 $R = 250.00'$  PI STA. = 18+32.90  
 $L = 8.39'$  PT STA. = 18+37.10  
 $T = 4.19'$

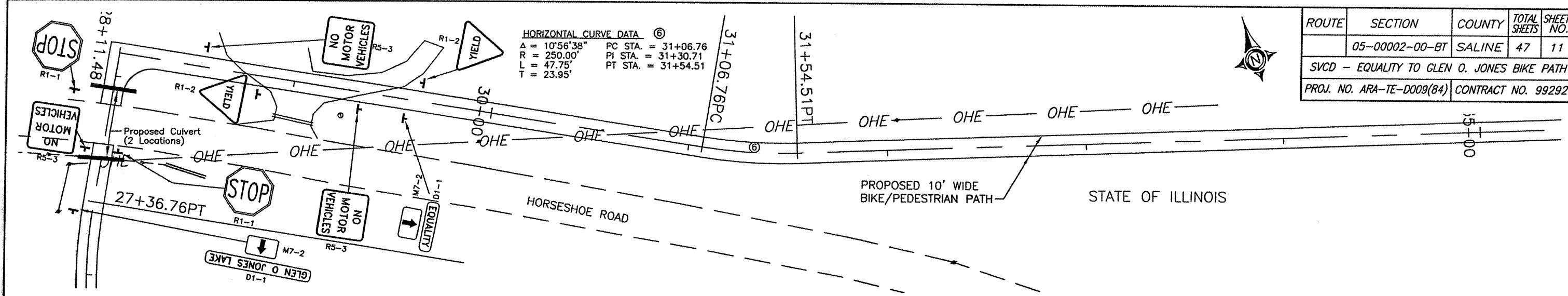


**HORIZONTAL CURVE DATA ⑤**  
 $\Delta = 30^{\circ}52'23''$  PC STA. = 26+02.05  
 $R = 250.00'$  PI STA. = 26+71.08  
 $L = 134.71'$  PT STA. = 27+36.76  
 $T = 69.03'$

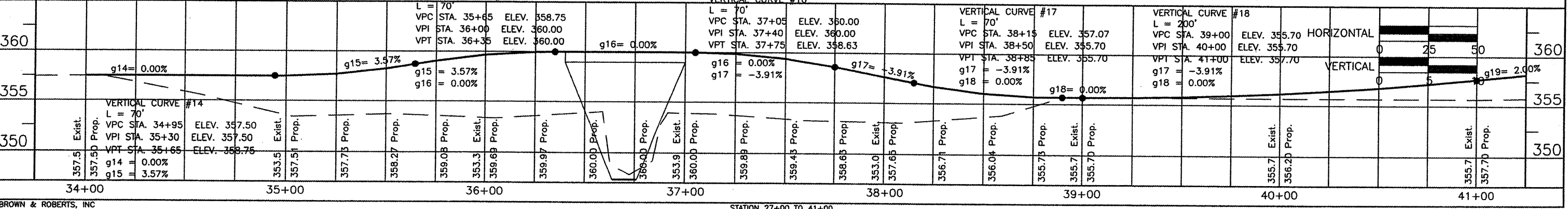
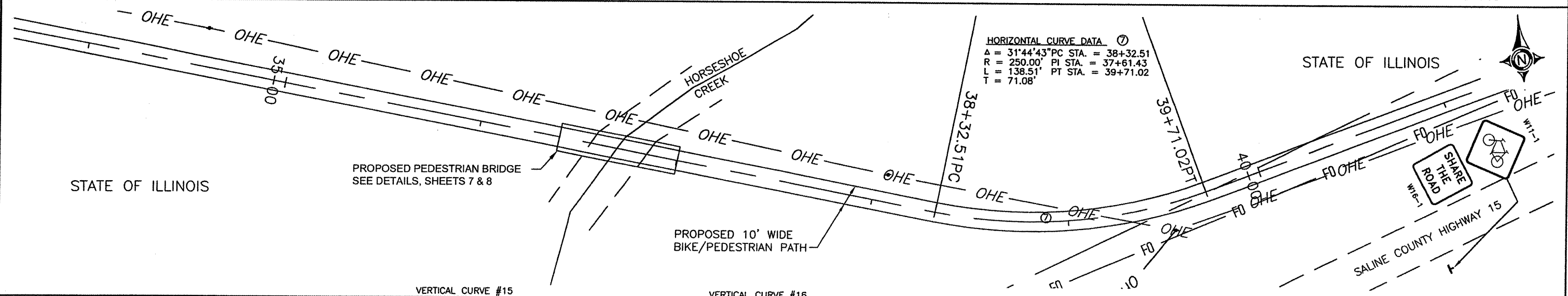
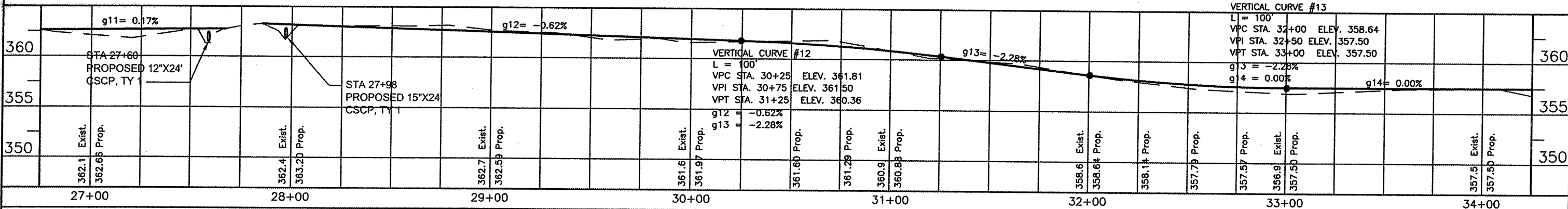


24 May 2007 - 9:46am X:\2004\104096\ac\PLANS\19-30\_plan & profile.dwg

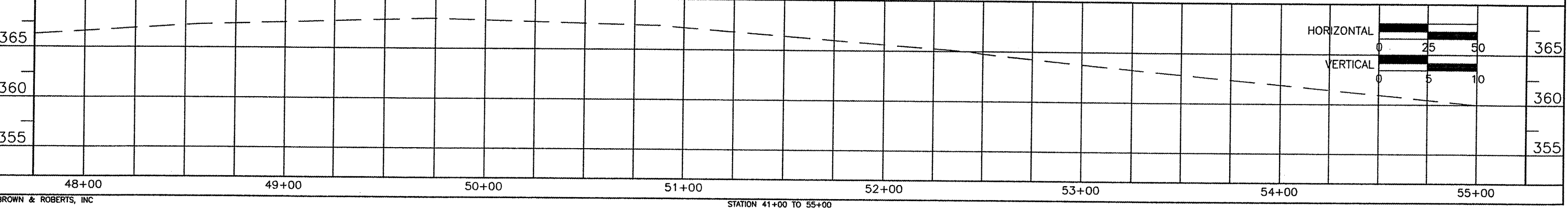
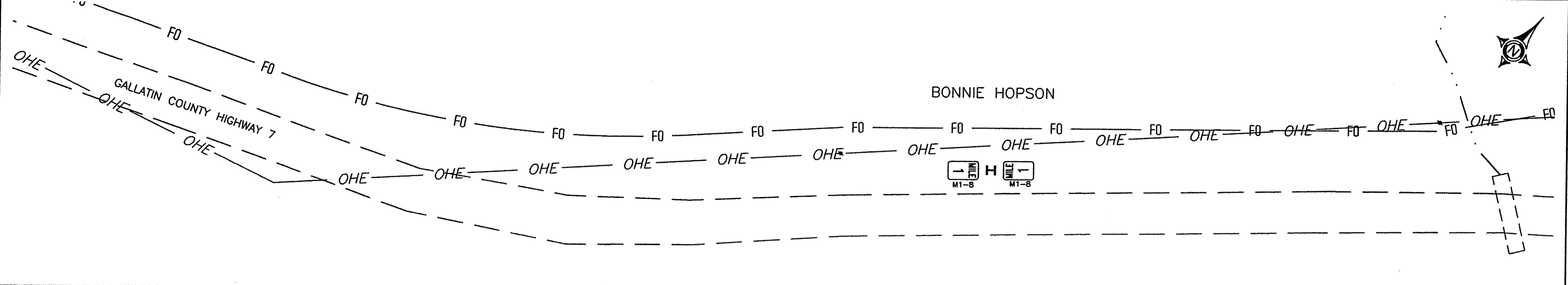
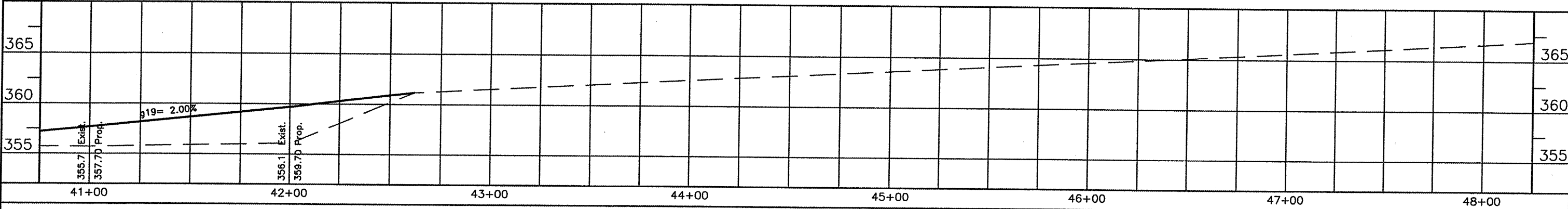
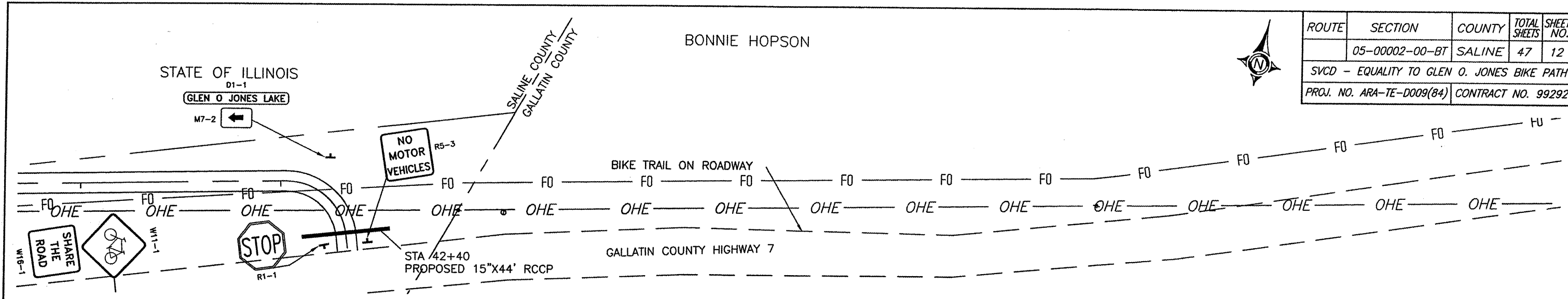
15 Oct 2009 - 6:29am X:\2004\104096\ac\PLANS\19-30 plan & profile revised Hopson Alignment.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	11
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84) CONTRACT NO. 99292				

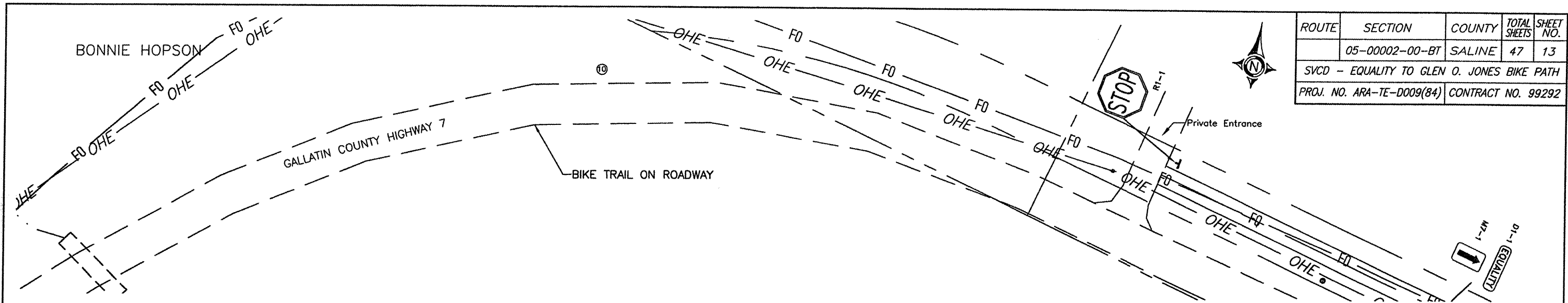


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	12
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)			CONTRACT NO. 99292	

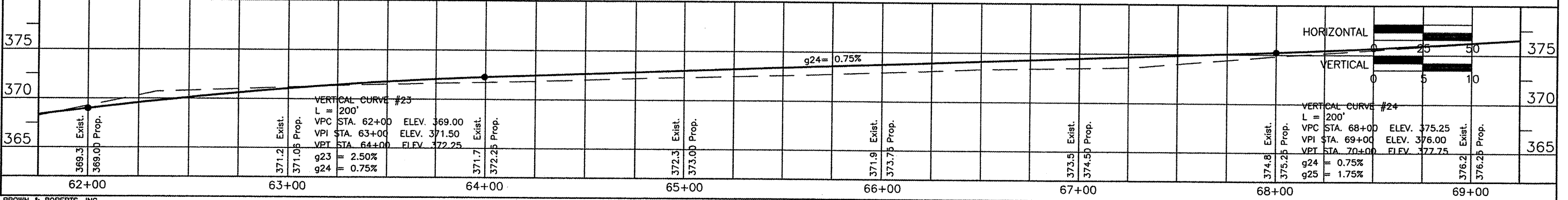
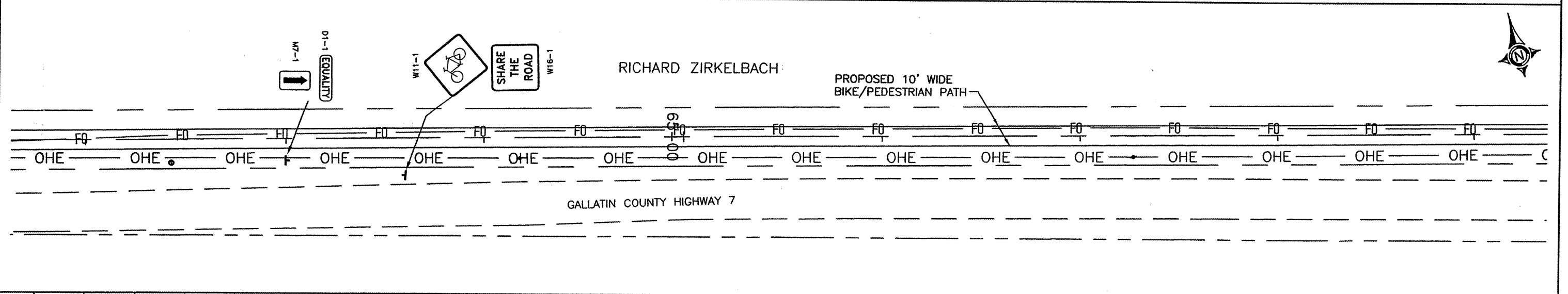
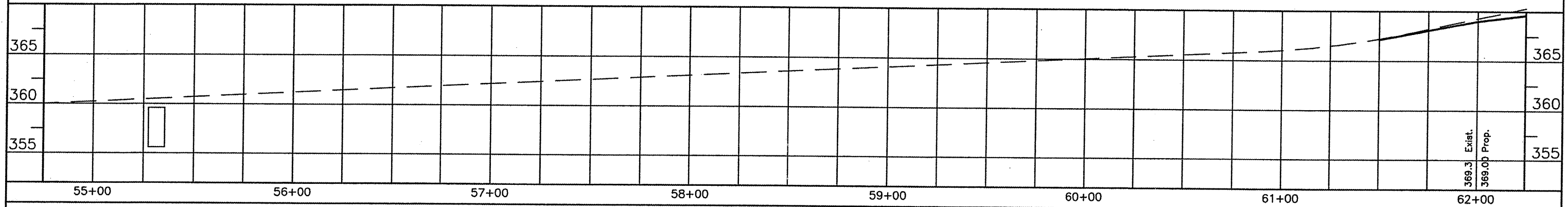


15 Oct 2009 - 6:29am X:\2004\04096\ac\PLANS\19-30 plan & profile revised Hopson Alignment.dwg

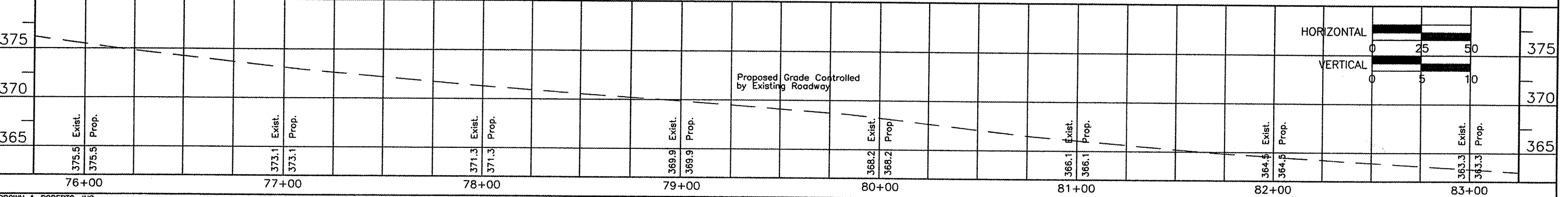
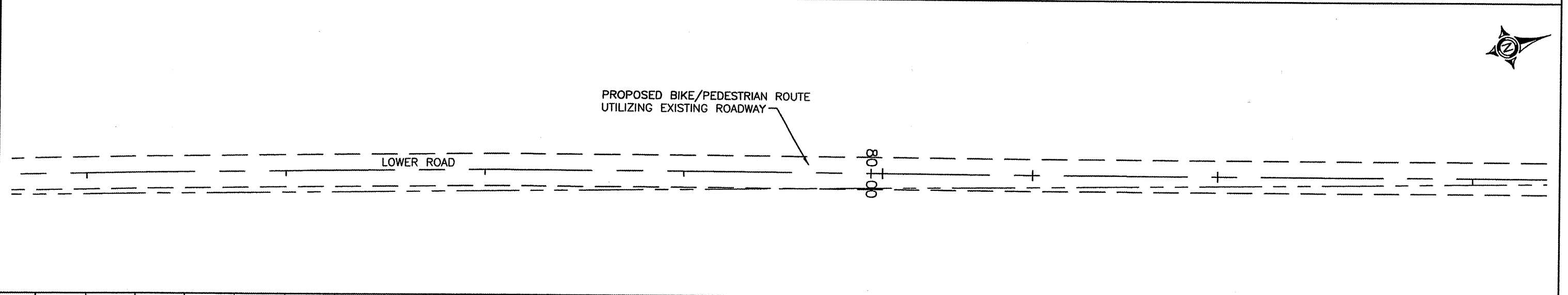
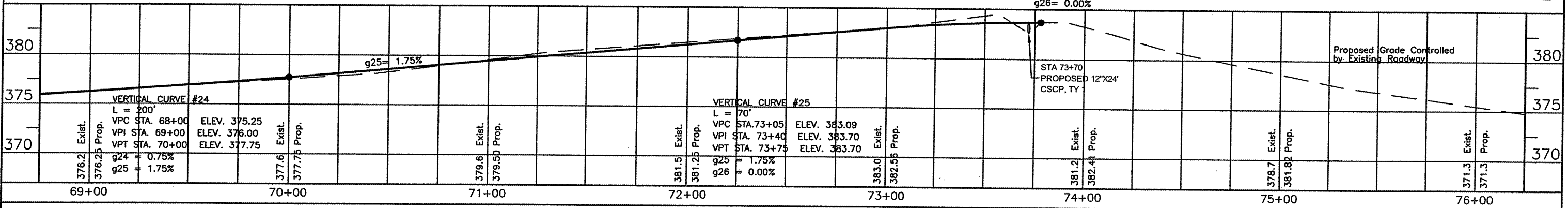
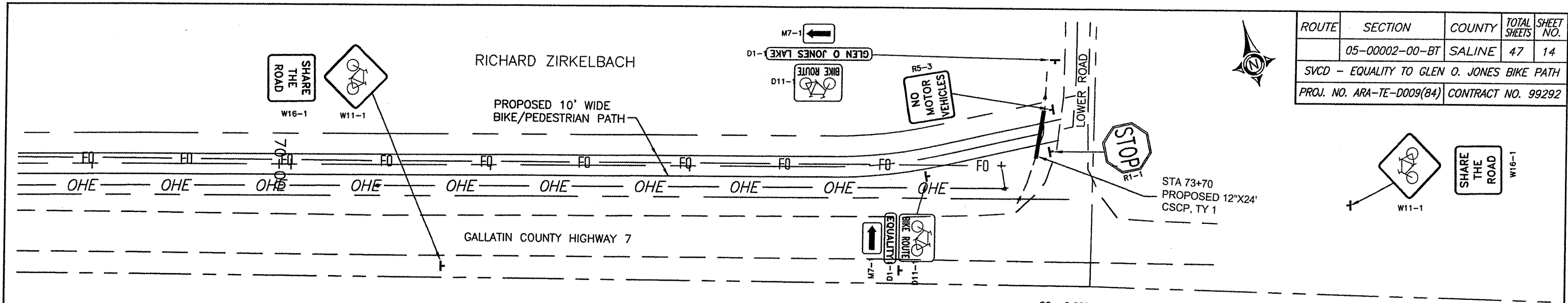
15 Oct 2009 - 6:29am X:\2004\04096\ac\PLANS\9-30 plan & profile revised Hopson Alignment.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	13
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)			CONTRACT NO. 99292	



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	14
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84) CONTRACT NO. 99292				



15 Oct 2009 - 8:29am X:\2004\104096\ac\PLANS\19-30 plan & profile revised Hopson Alignment.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	15
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

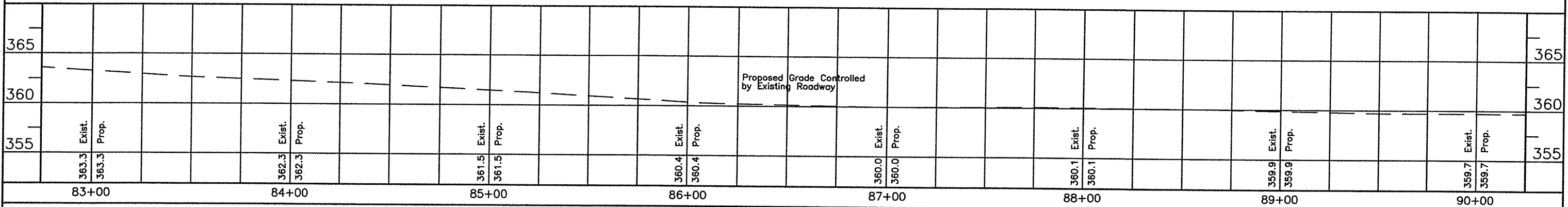


PROPOSED BIKE/PEDESTRIAN ROUTE  
UTILIZING EXISTING ROADWAY

LOWER ROAD

00+98

00+06



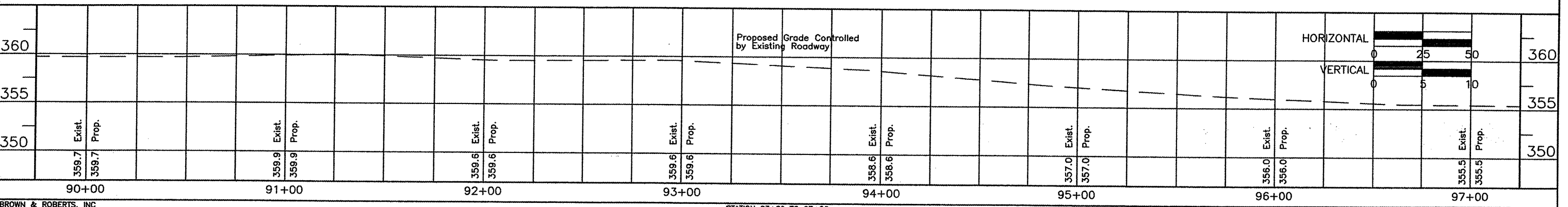
PROPOSED BIKE/PEDESTRIAN ROUTE  
UTILIZING EXISTING ROADWAY

LOWER ROAD

00+06

00+96

EXISTING DRAINAGE STRUCTURE



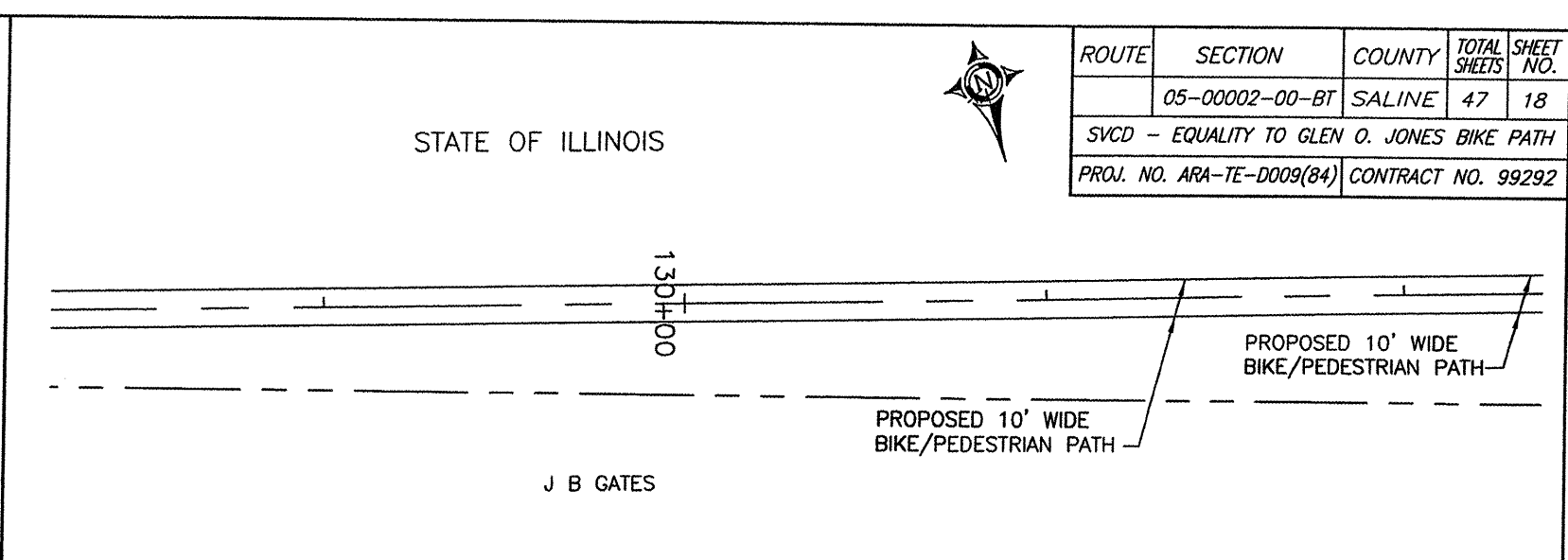
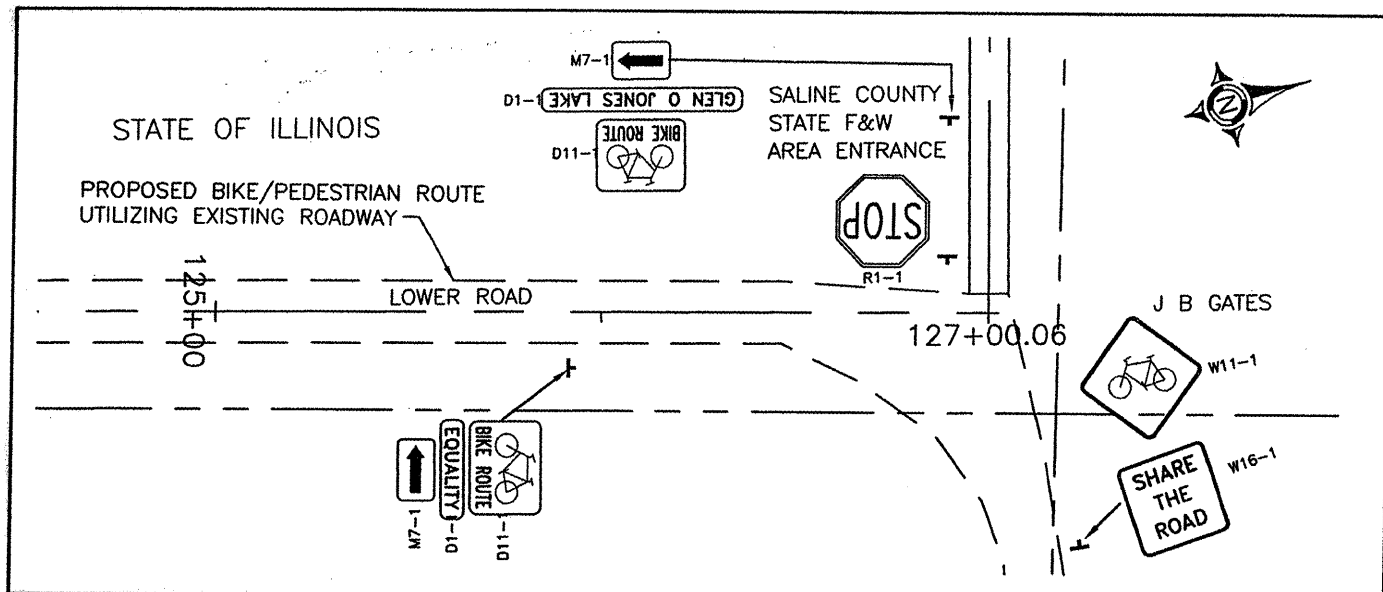
29 May 2007 - 4:02pm X:\2004\04096\ec\PLANS\9-30 plan & profile.dwg



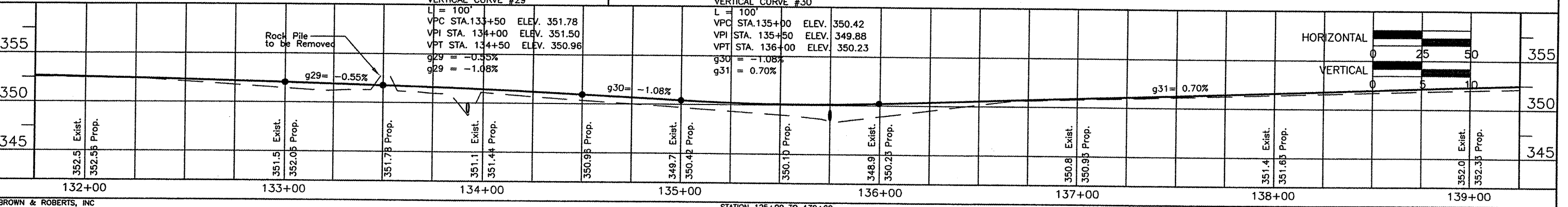
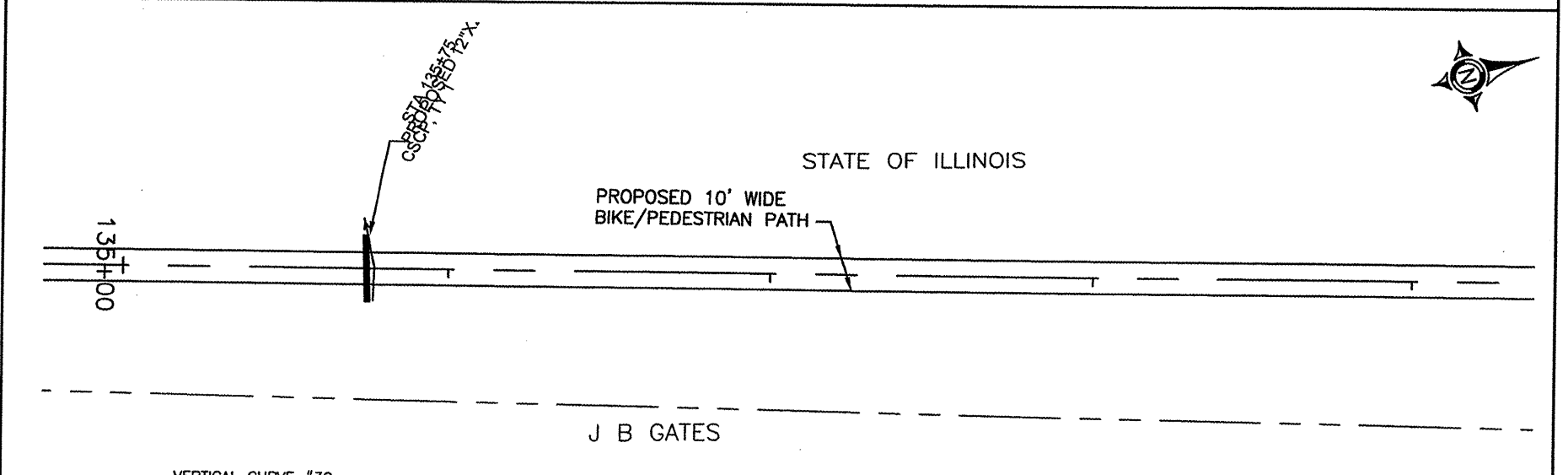
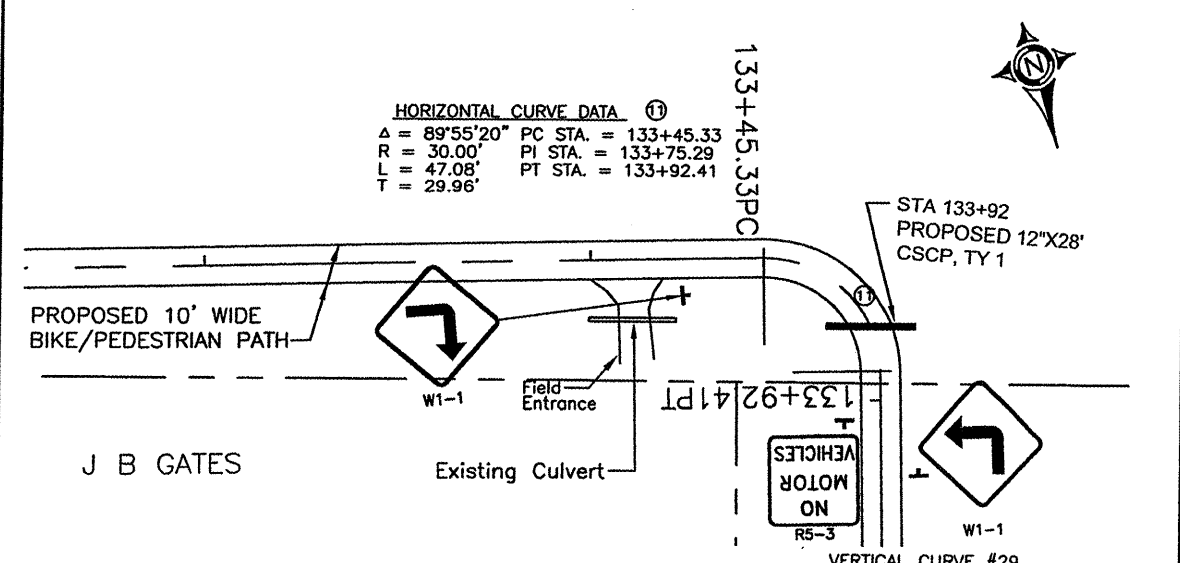
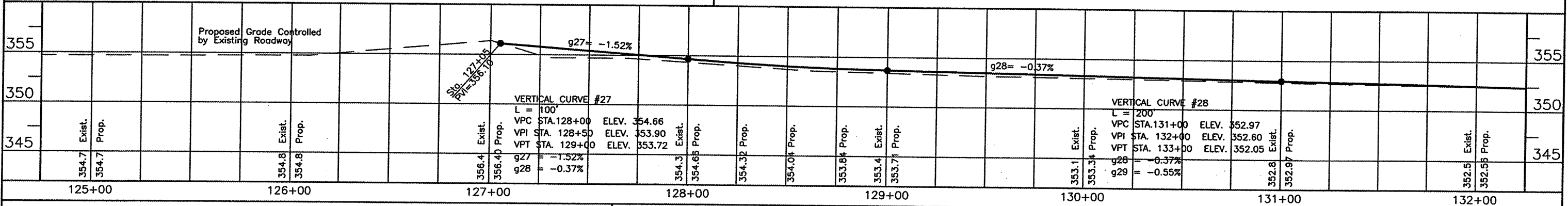




15 Oct 2009 - 6:30am X:\2004\04096\ac\PLANS\9-30 plan & profile revised Hopson Alignment.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	18
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84) CONTRACT NO. 99292				



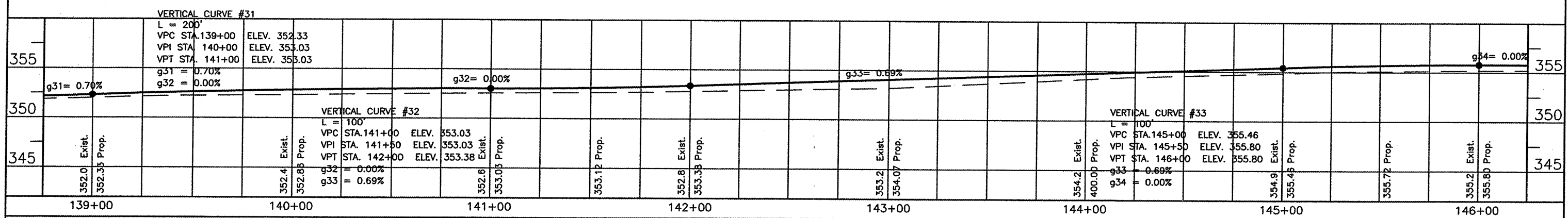
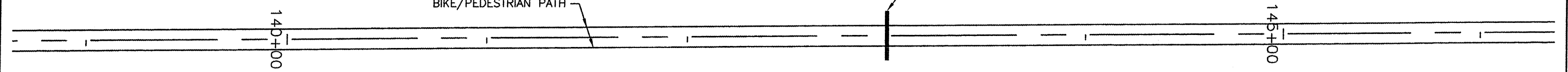
STATE OF ILLINOIS



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	19
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STA 143+00  
PROPOSED 12"x24'  
CSCP, TY 1

PROPOSED 10' WIDE  
BIKE/PEDESTRIAN PATH



STATE OF ILLINOIS



147+65.68PT

HORIZONTAL CURVE DATA ②

A = 87°27'00"	PC STA. = 146+89.37
R = 50.00'	PI STA. = 147+37.19
L = 76.31'	PT STA. = 147+65.68
T = 47.82'	

RITA ADAMS

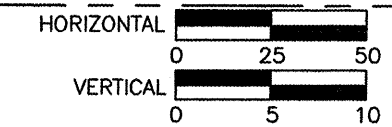
STATE OF ILLINOIS



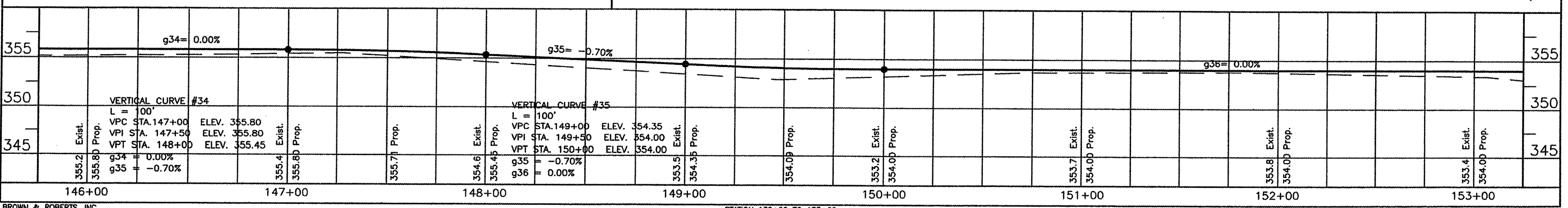
150+00

PROPOSED 10' WIDE  
BIKE/PEDESTRIAN PATH

RITA ADAMS

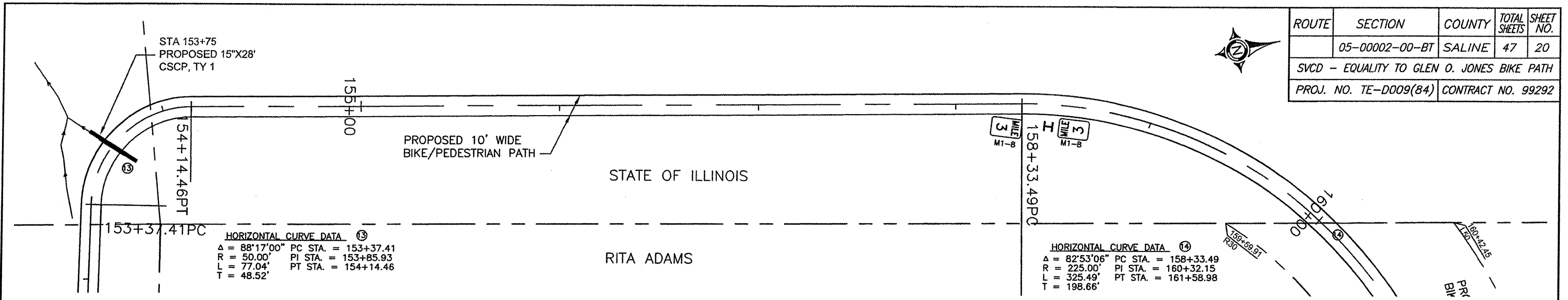


153+37.41PC



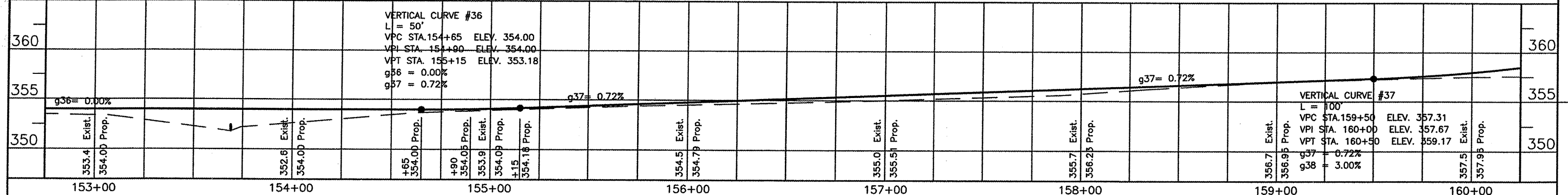
24 May 2007 - 10:20am X:\2004\04096\ac\PLANS\9-30 plan & profile.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	20
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	



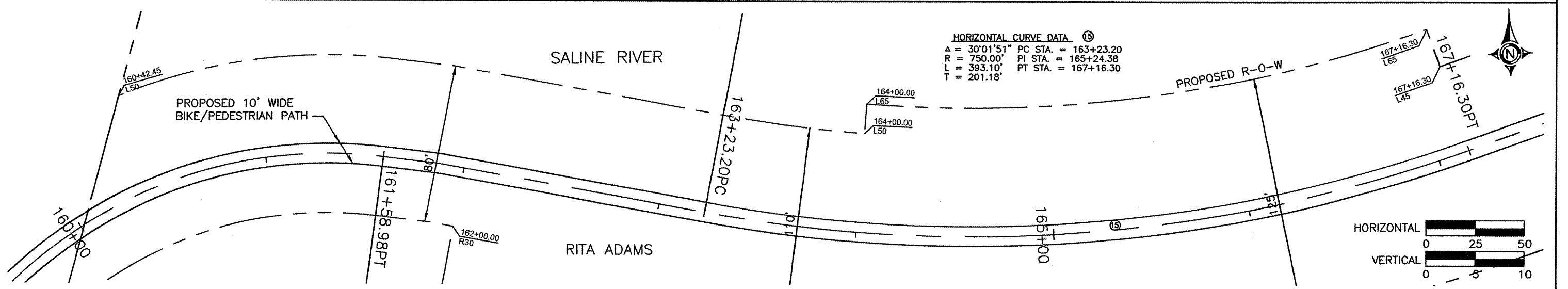
**HORIZONTAL CURVE DATA ⑬**  
 $\Delta = 88^{\circ}17'00''$  PC STA. = 153+37.41  
 $R = 50.00'$  PI STA. = 153+85.93  
 $L = 77.04'$  PT STA. = 154+14.46  
 $T = 48.52'$

**HORIZONTAL CURVE DATA ⑭**  
 $\Delta = 82^{\circ}53'06''$  PC STA. = 158+33.49  
 $R = 225.00'$  PI STA. = 160+32.15  
 $L = 325.49'$  PT STA. = 161+58.98  
 $T = 198.66'$

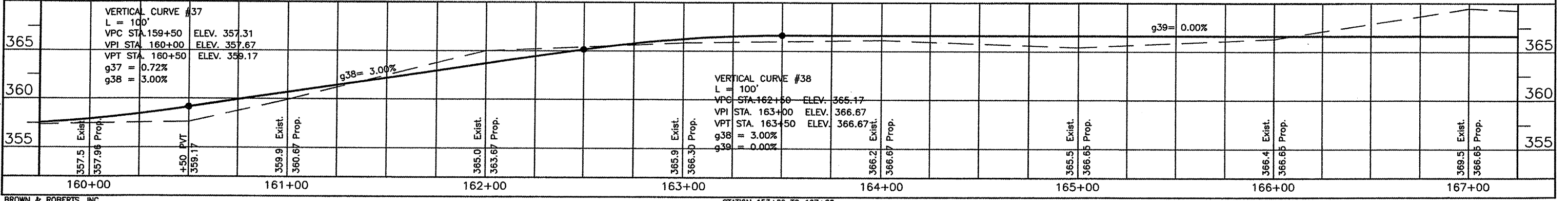


**VERTICAL CURVE #36**  
 $L = 50'$   
VPC STA. 154+65 ELEV. 354.00  
VPI STA. 154+90 ELEV. 354.00  
VPT STA. 155+15 ELEV. 353.18  
 $g_{36} = 0.00\%$   
 $g_{37} = 0.72\%$

**VERTICAL CURVE #37**  
 $L = 100'$   
VPC STA. 159+50 ELEV. 357.31  
VPI STA. 160+00 ELEV. 357.67  
VPT STA. 160+50 ELEV. 359.17  
 $g_{37} = 0.72\%$   
 $g_{38} = 3.00\%$



**HORIZONTAL CURVE DATA ⑮**  
 $\Delta = 30^{\circ}01'51''$  PC STA. = 163+23.20  
 $R = 750.00'$  PI STA. = 165+24.38  
 $L = 393.10'$  PT STA. = 167+16.30  
 $T = 201.18'$

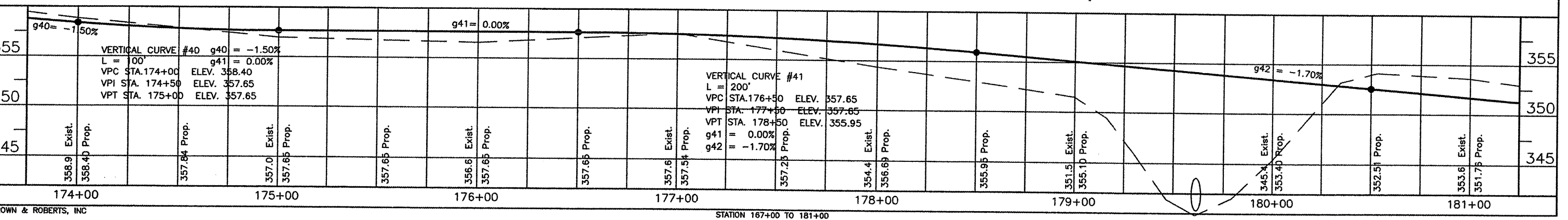
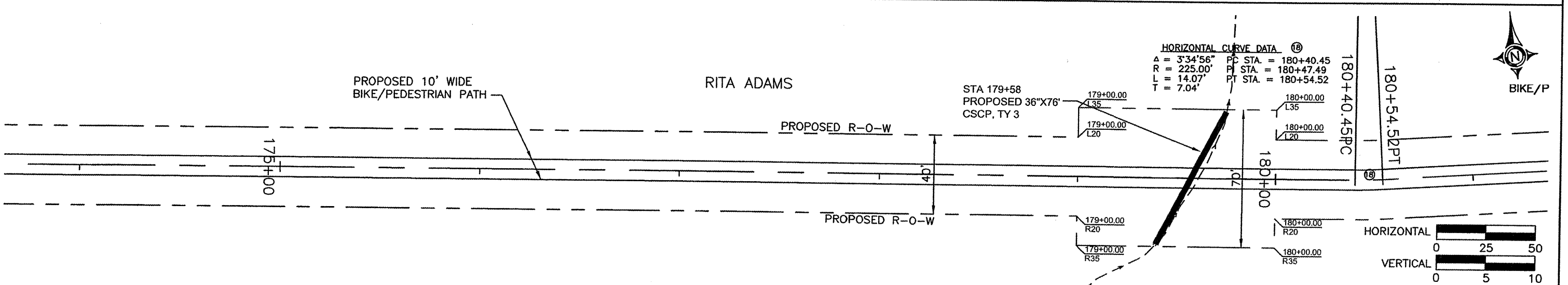
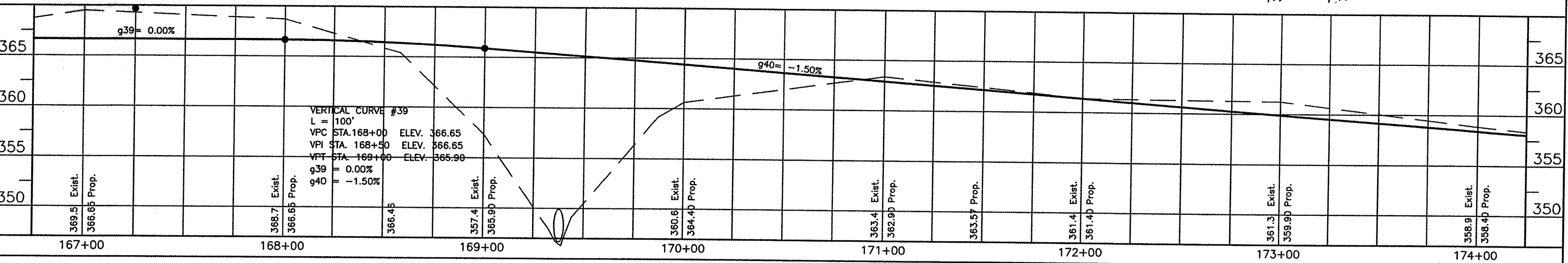
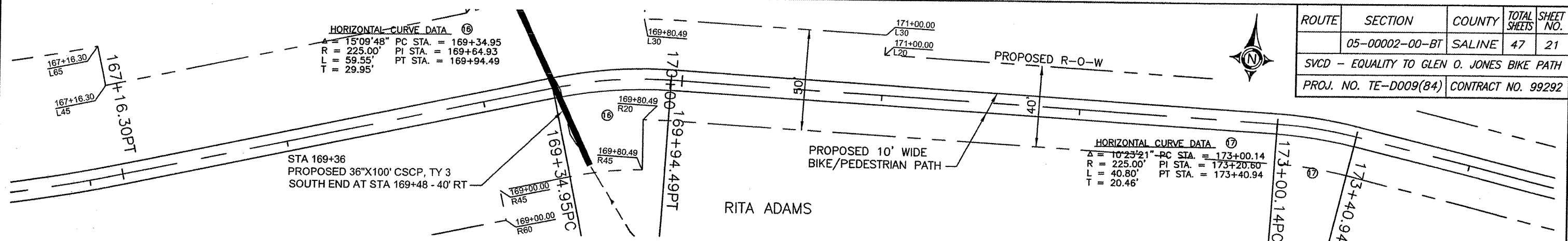


**VERTICAL CURVE #37**  
 $L = 100'$   
VPC STA. 159+50 ELEV. 357.31  
VPI STA. 160+00 ELEV. 357.67  
VPT STA. 160+50 ELEV. 359.17  
 $g_{37} = 0.72\%$   
 $g_{38} = 3.00\%$

**VERTICAL CURVE #38**  
 $L = 100'$   
VPC STA. 162+50 ELEV. 365.17  
VPI STA. 163+00 ELEV. 366.67  
VPT STA. 163+50 ELEV. 366.67  
 $g_{38} = 3.00\%$   
 $g_{39} = 0.00\%$

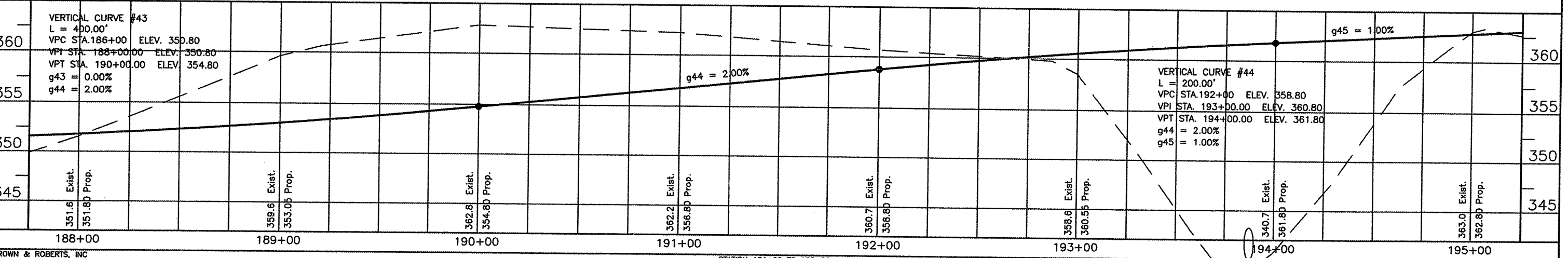
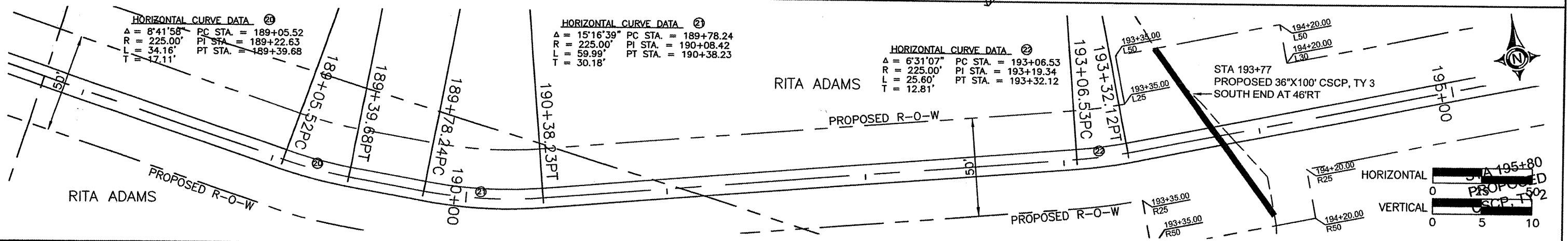
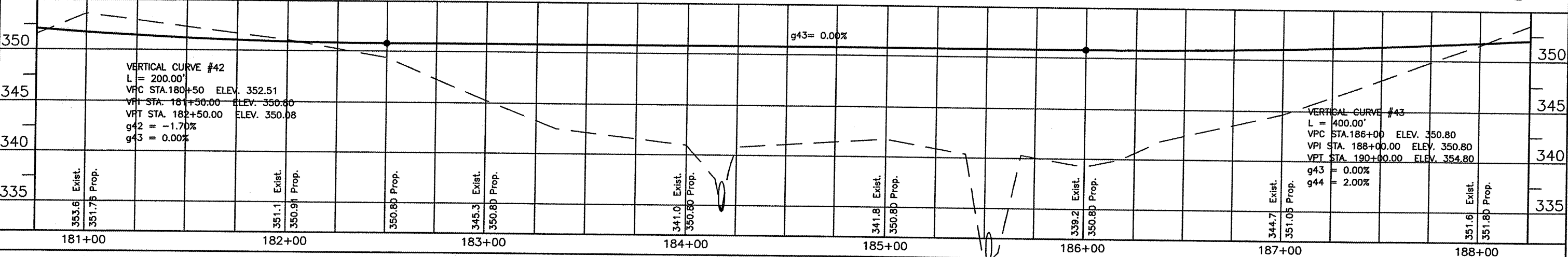
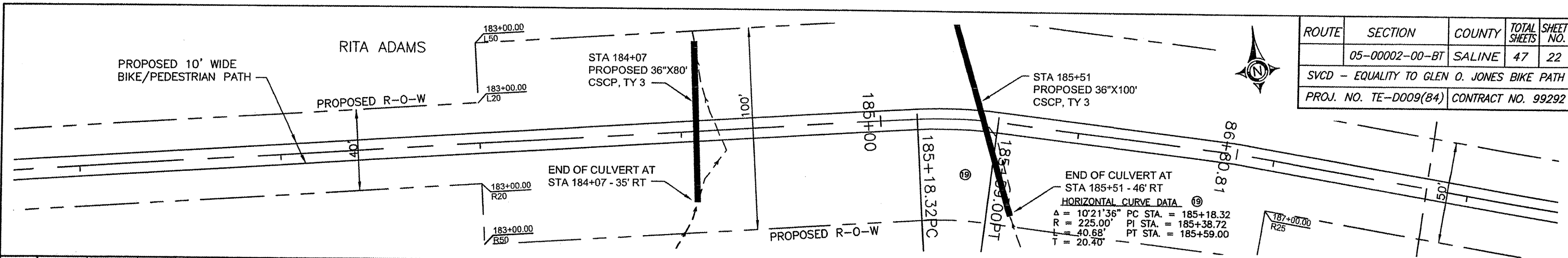
24 May 2007 - 3:37pm X:\2004\04096\ac\PLANS\9-30 plan & profile.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	21
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)		CONTRACT NO. 99292		



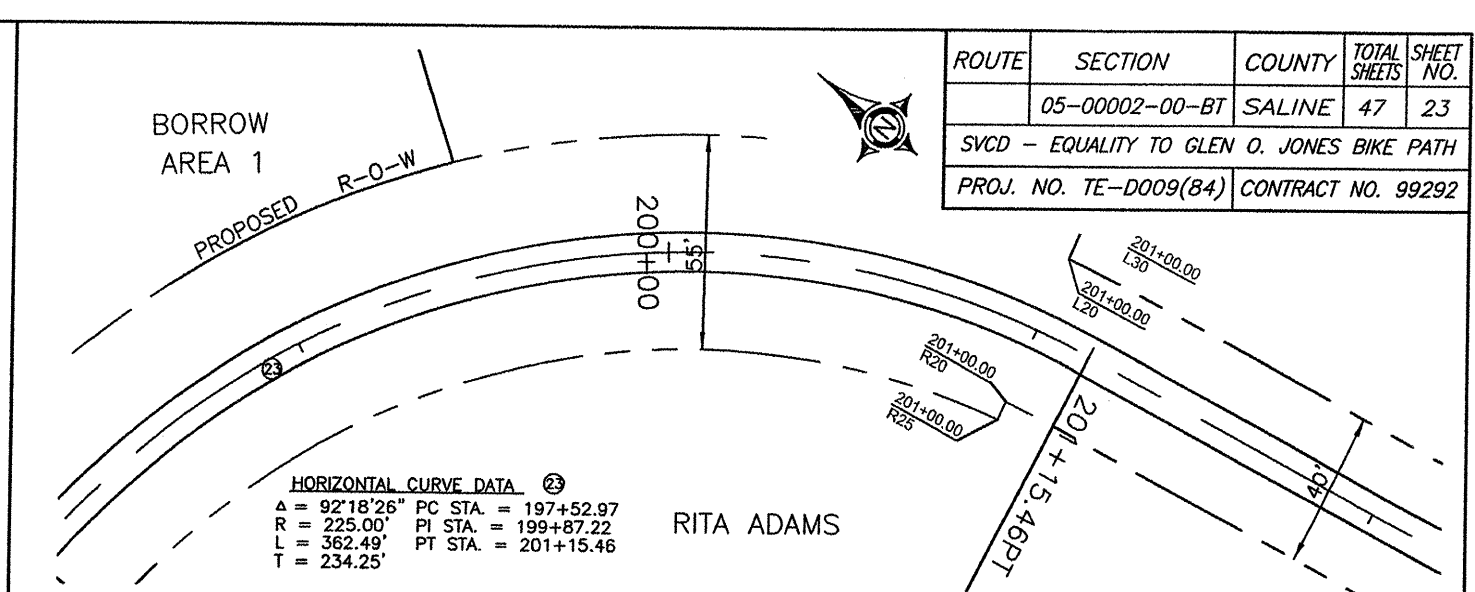
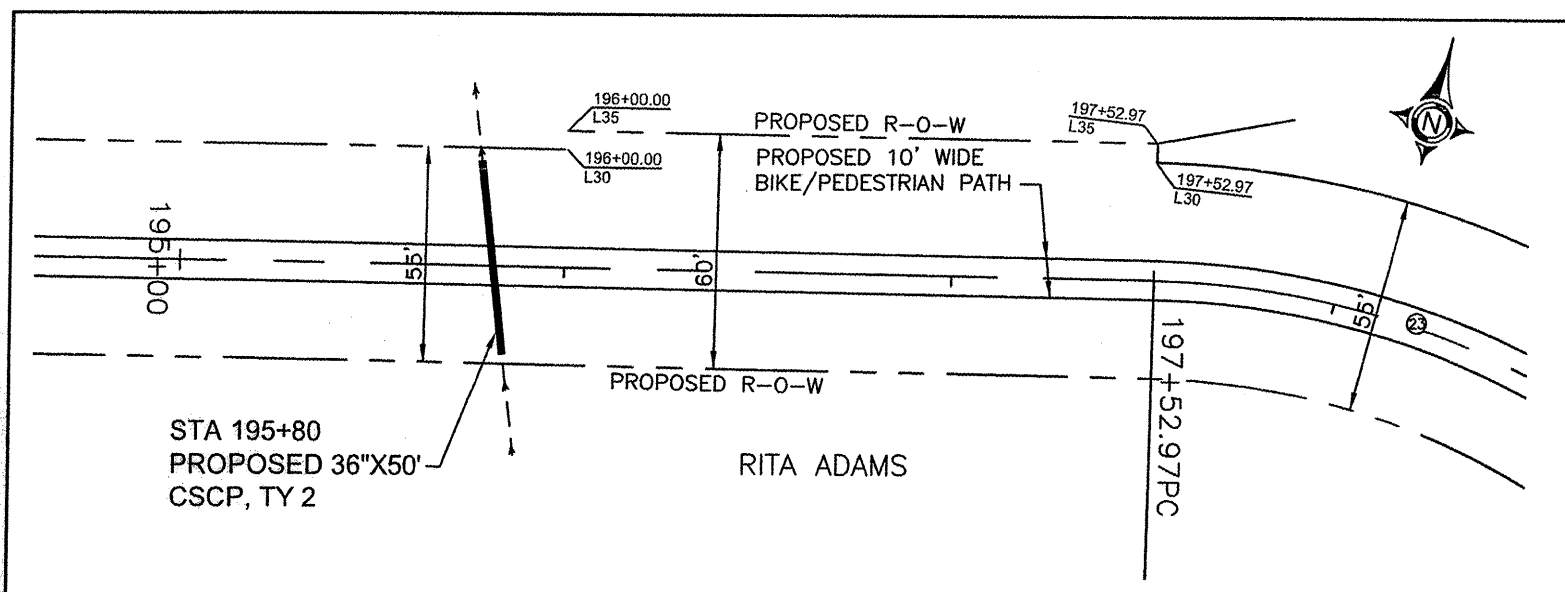
24 May 2007 - 3:32pm X:\2004\04096\ac\PLANS\9-30 plan & profile.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	22
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-0009(84)			CONTRACT NO. 99292	



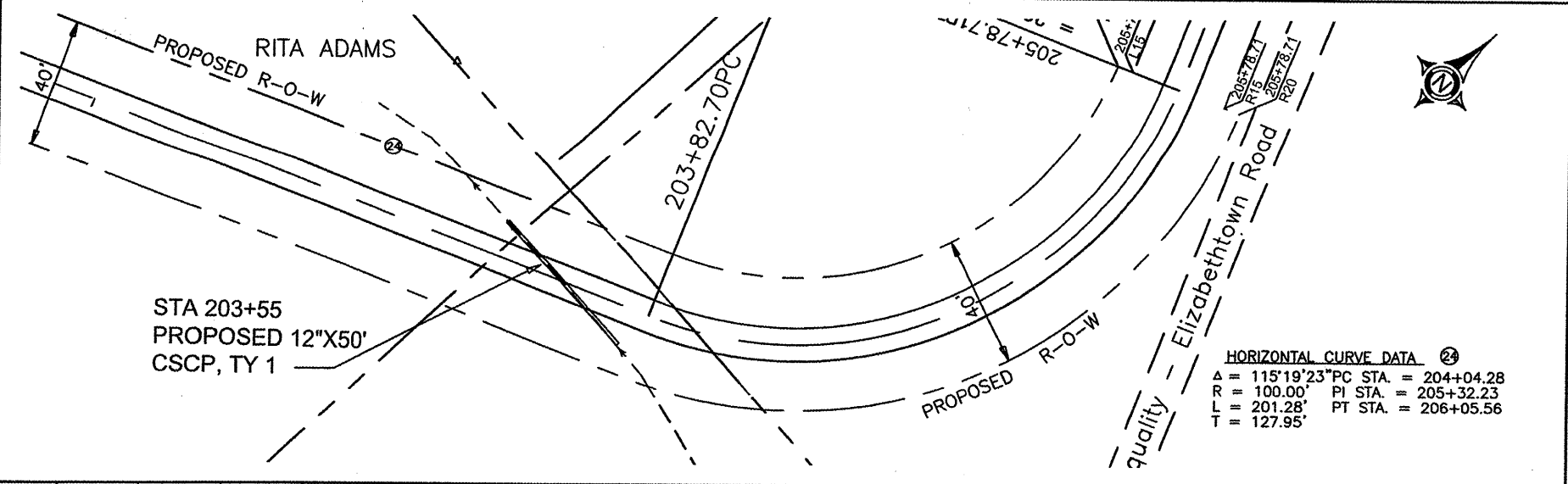
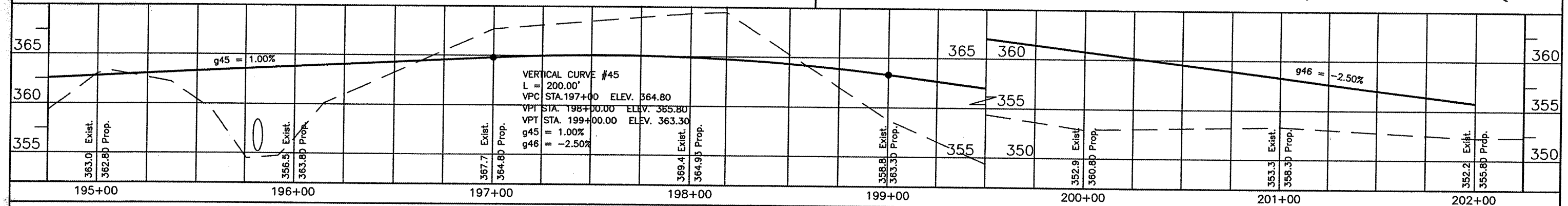
24 May 2007 - 3:12pm X:\2004\04096\ac\PLANS\9-30 plan & profile.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	23
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(B4)			CONTRACT NO. 99292	



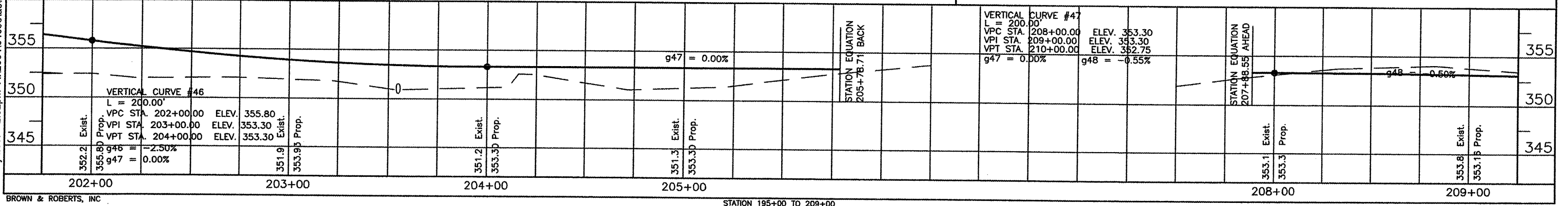
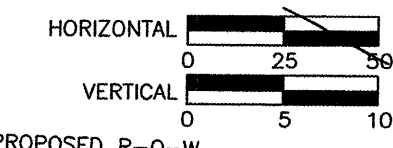
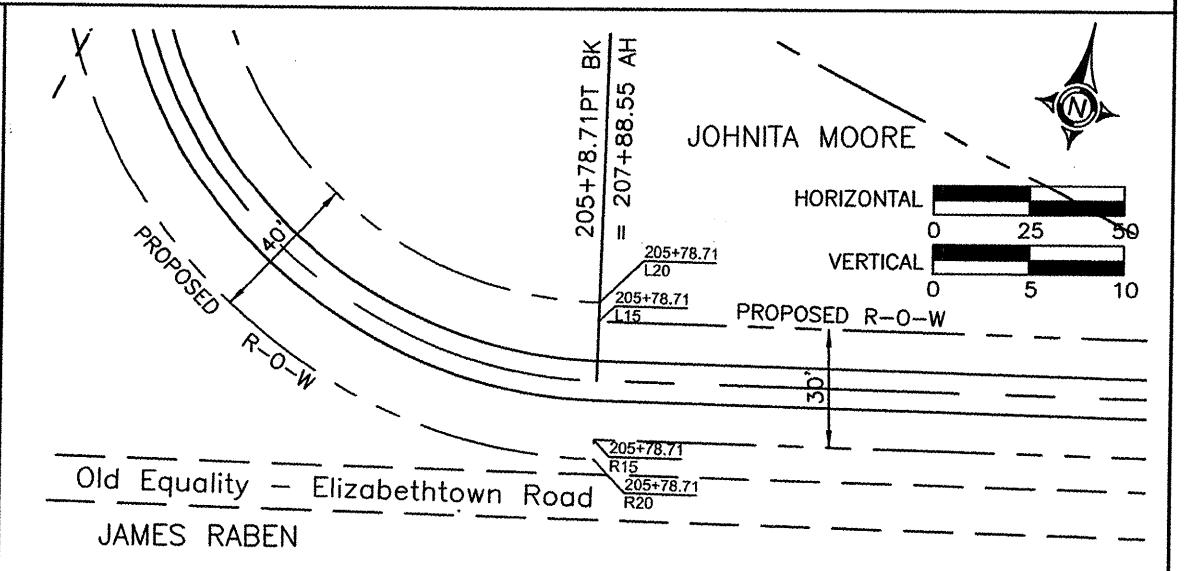
**HORIZONTAL CURVE DATA** ②

A = 92°18'26" PC STA. = 197+52.97  
 R = 225.00' PI STA. = 199+87.22  
 L = 362.49' PT STA. = 201+15.46  
 T = 234.25'



**HORIZONTAL CURVE DATA** ②

A = 115°19'23" PC STA. = 204+04.28  
 R = 100.00' PI STA. = 205+32.23  
 L = 201.28' PT STA. = 206+05.56  
 T = 127.95'



24 May 2007 - 2:52pm X:\2004\0409\ac\PLANS\9-30 plan & profile.dwg

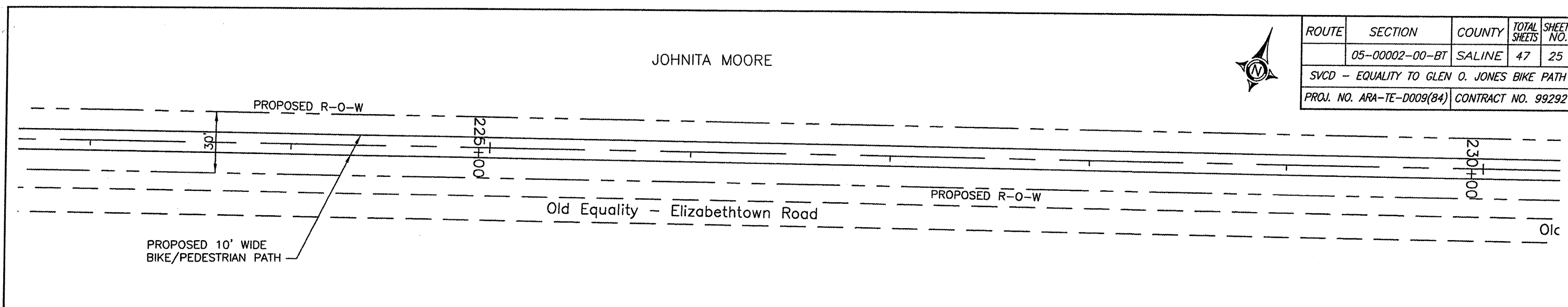




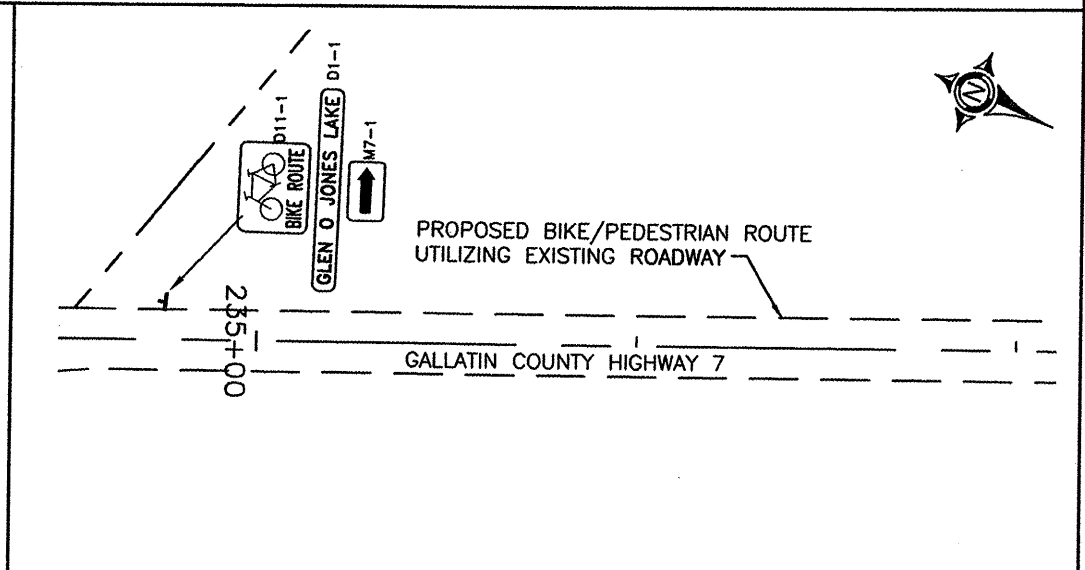
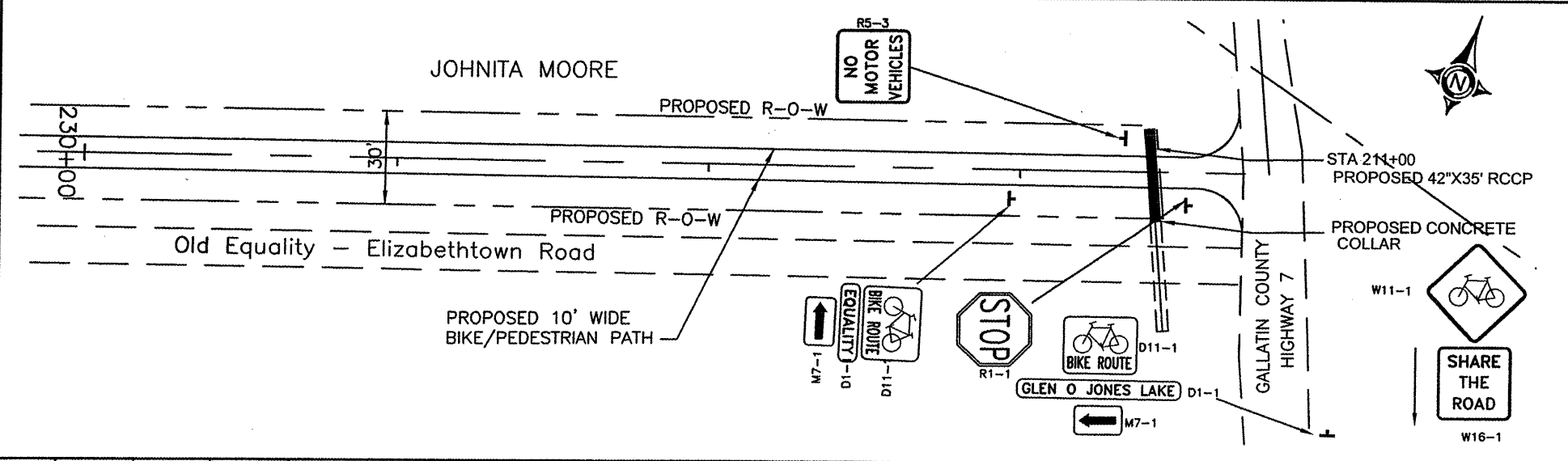
JOHNITA MOORE



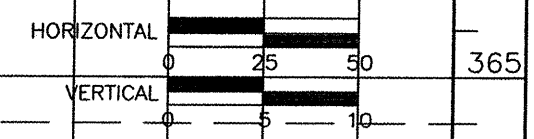
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	25
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84) CONTRACT NO. 99292				



Station	Elev.	Type	Notes
223+00	356.9	Exist.	
223+50	357.75	Prop.	
224+00	357.1	Exist.	
224+50	358.05	Prop.	
225+00	357.2	Exist.	
225+50	358.10	Prop.	
226+00	357.4	Exist.	
226+50	358.11	Prop.	
227+00	357.5	Exist.	
227+50	358.20	Prop.	
228+00	357.5	Exist.	
228+50	358.30	Prop.	
229+00	357.6	Exist.	
229+50	358.40	Prop.	
230+00	357.5	Exist.	
230+50	358.50	Prop.	



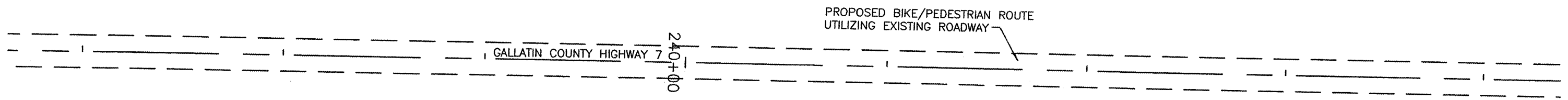
Station	Elev.	Type	Notes
230+00	357.5	Exist.	
230+50	358.50	Prop.	
231+00	357.8	Exist.	
231+50	358.60	Prop.	
232+00	358.1	Exist.	
232+50	358.95	Prop.	
233+00	359.1	Exist.	
233+50	360.82	Prop.	
234+00	362.5	Exist.	
234+50	362.5	Prop.	
235+00	362.4	Exist.	
235+50	362.4	Prop.	
236+00	362.4	Exist.	
236+50	362.4	Prop.	
237+00	362.4	Exist.	
237+50	362.4	Prop.	



15 Oct 2009 - 6:30am X:\2004\04096\ac\PLANS\9-30 plan & profile revised Hopson Alignment.dwg

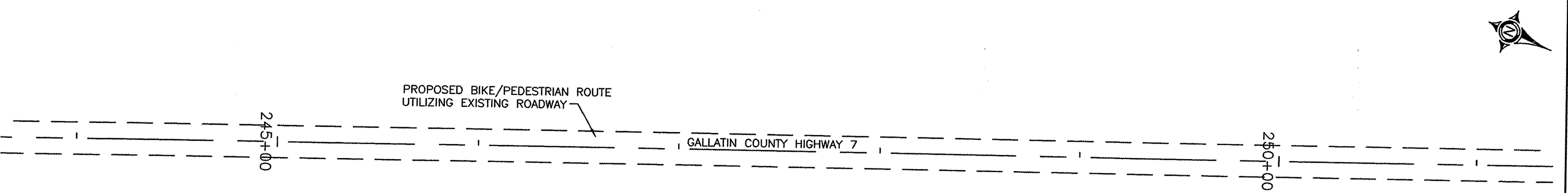


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	26
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	



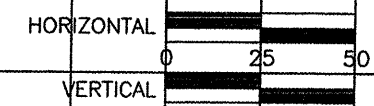
Station	362.4 Exist.	362.4 Prop.	362.4 Exist.	362.4 Prop.	362.4 Exist.	362.4 Prop.	362.3 Exist.	362.3 Prop.	362.3 Exist.	362.3 Prop.	362.3 Exist.	362.3 Prop.	362.3 Exist.	362.3 Prop.	362.2 Exist.	362.2 Prop.	Station
237+00																	244+00

Proposed Grade Controlled by Existing Roadway



Station	362.2 Exist.	400.0 Prop.	362.2 Exist.	362.2 Prop.	362.3 Exist.	362.3 Prop.	362.4 Exist.	362.4 Prop.	362.5 Exist.	362.5 Prop.	362.6 Exist.	362.6 Prop.	362.5 Exist.	362.5 Prop.	362.4 Exist.	362.4 Prop.	Station
244+00																	251+00

Proposed Grade Controlled by Existing Roadway

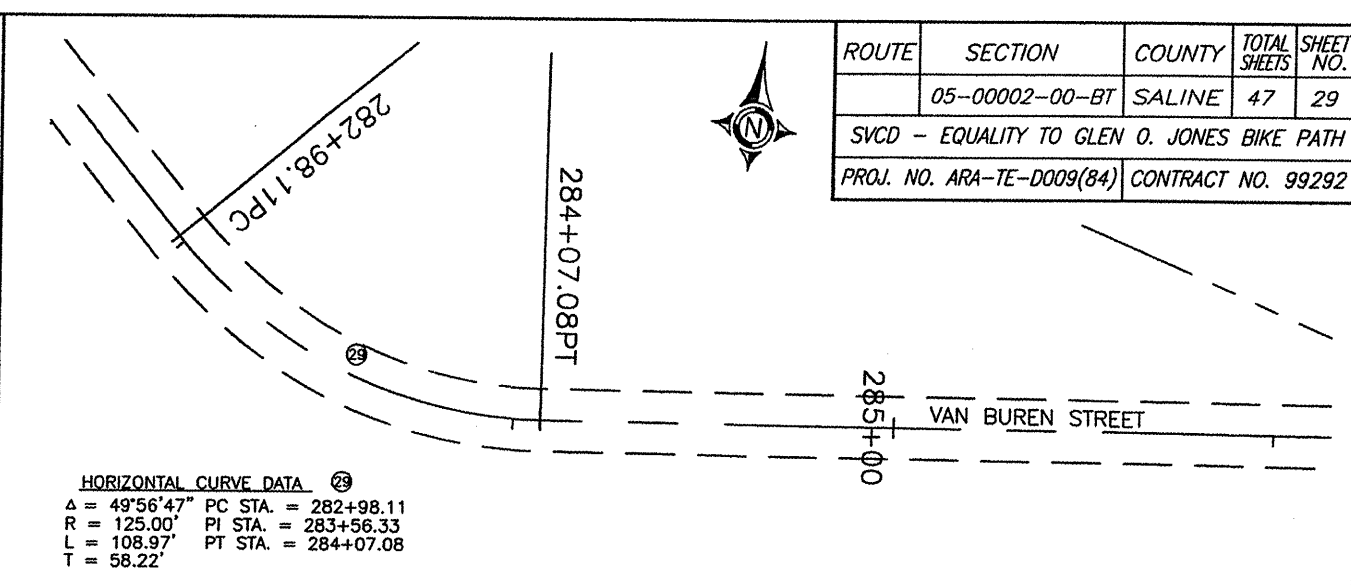
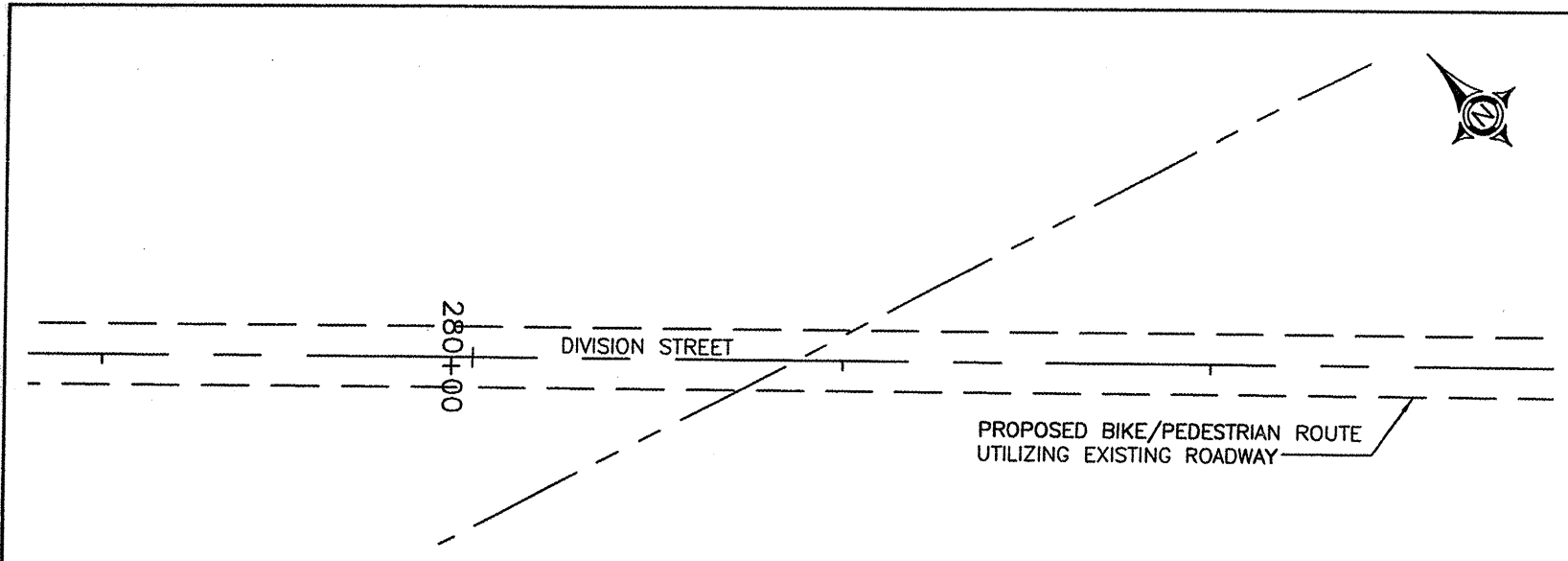


24 May 2007 - 2:13pm X:\2004\04096\ac\PLANS\9-30 plan & profile.dwg

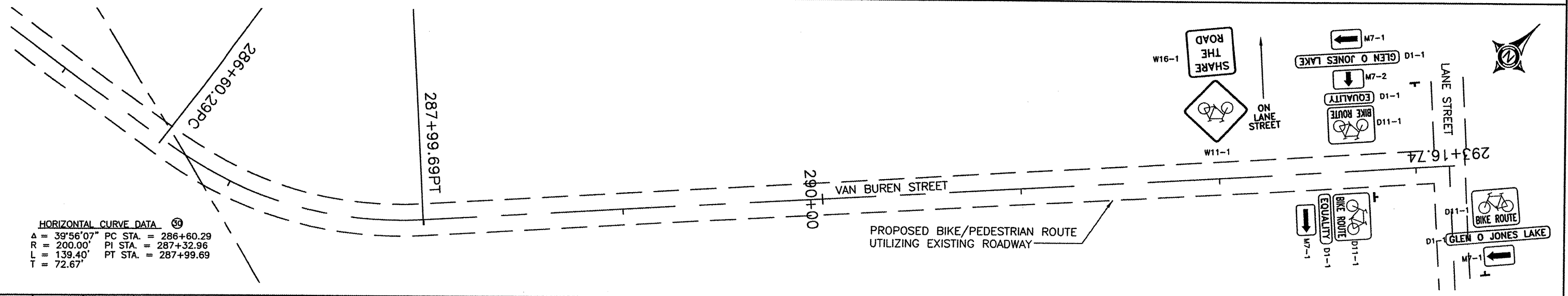




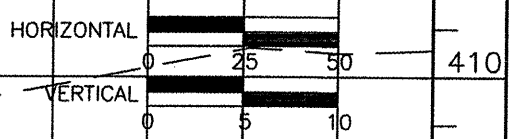
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	29
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)			CONTRACT NO. 99292	



Station		Elevation		Notes	
279+00	280+00	363.0	363.0	Exist.	Prop.
280+00	281+00	368.4	368.4	Exist.	Prop.
281+00	282+00	372.7	372.7	Exist.	Prop.
282+00	283+00	377.4	377.4	Exist.	Prop.
283+00	284+00	382.3	382.3	Exist.	Prop.
284+00	285+00	387.0	387.0	Exist.	Prop.
285+00	286+00	386.9	386.9	Exist.	Prop.

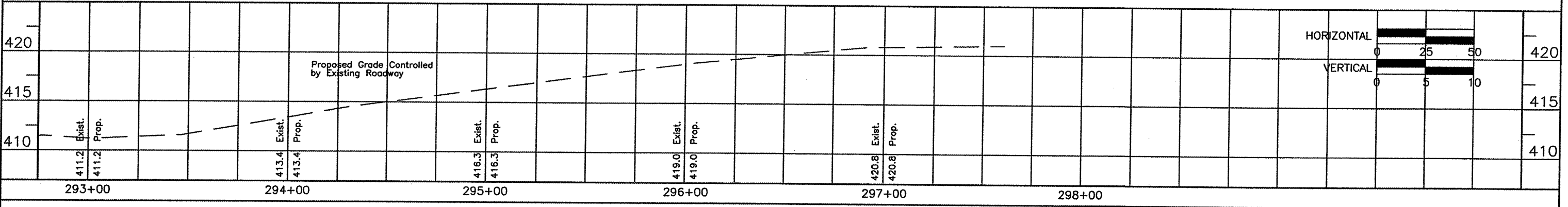
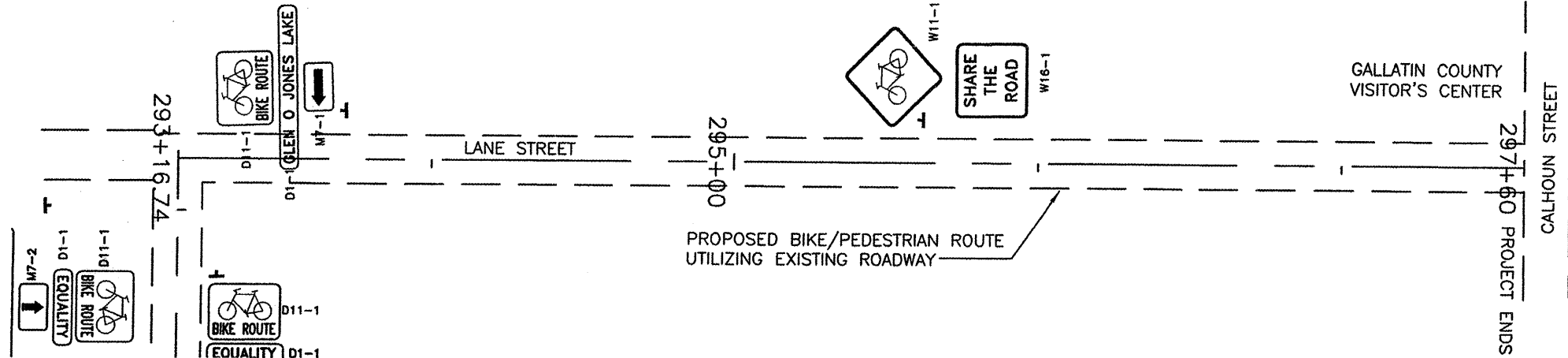


Station		Elevation		Notes	
286+00	287+00	386.9	386.9	Exist.	Prop.
287+00	288+00	387.4	387.4	Exist.	Prop.
288+00	289+00	389.8	389.8	Exist.	Prop.
289+00	290+00	393.6	393.6	Exist.	Prop.
290+00	291+00	399.3	399.3	Exist.	Prop.
291+00	292+00	404.3	404.3	Exist.	Prop.
292+00	293+00	408.6	408.6	Exist.	Prop.



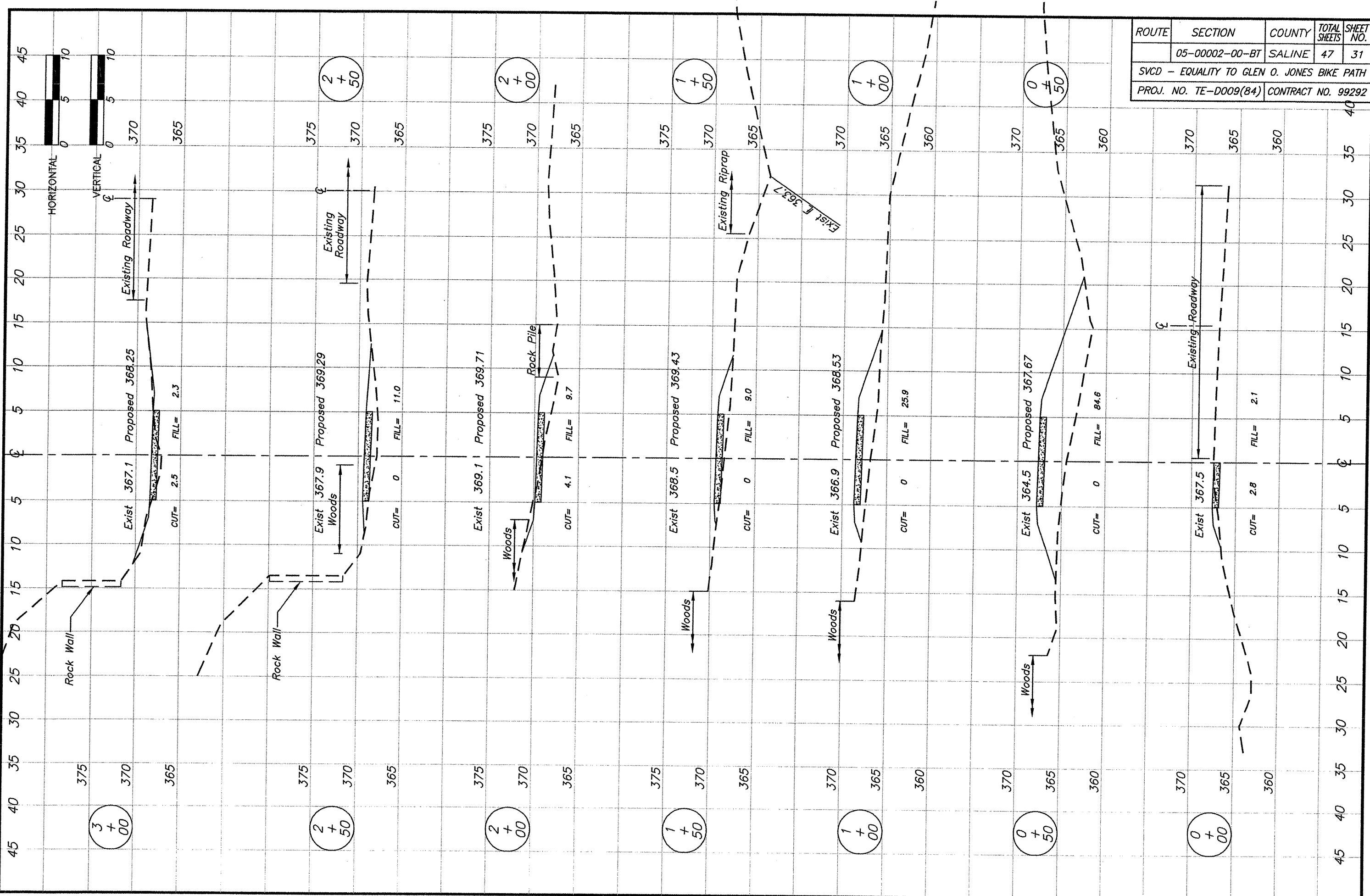
15 Oct 2009 - 6:31am X:\2004\04096\ac\PLANS\9-30 plan & profile revised Hopson Alignment.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	30
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. ARA-TE-D009(84)			CONTRACT NO. 99292	



15 Oct 2009 - 6:31am X:\2004\04096\ac\PLANS\9-30 plan & profile revised Hopson Alignment.dwg

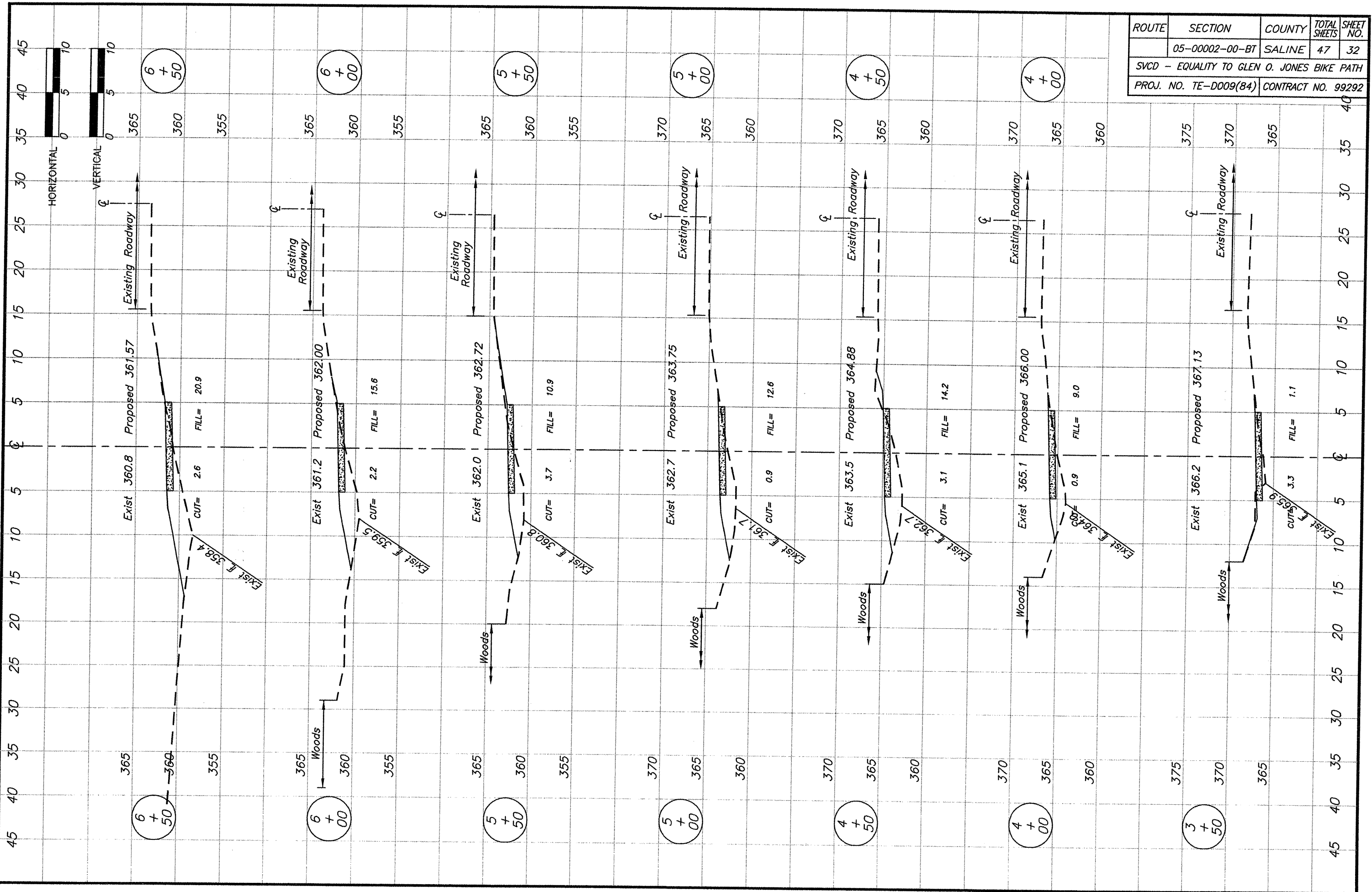
24 May 2007 - 1:26pm X:\2004\04098\loc\PLANS\31-41 axss sections.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	31
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-0009(84)			CONTRACT NO. 99292	

STATION 0+00 TO 3+00

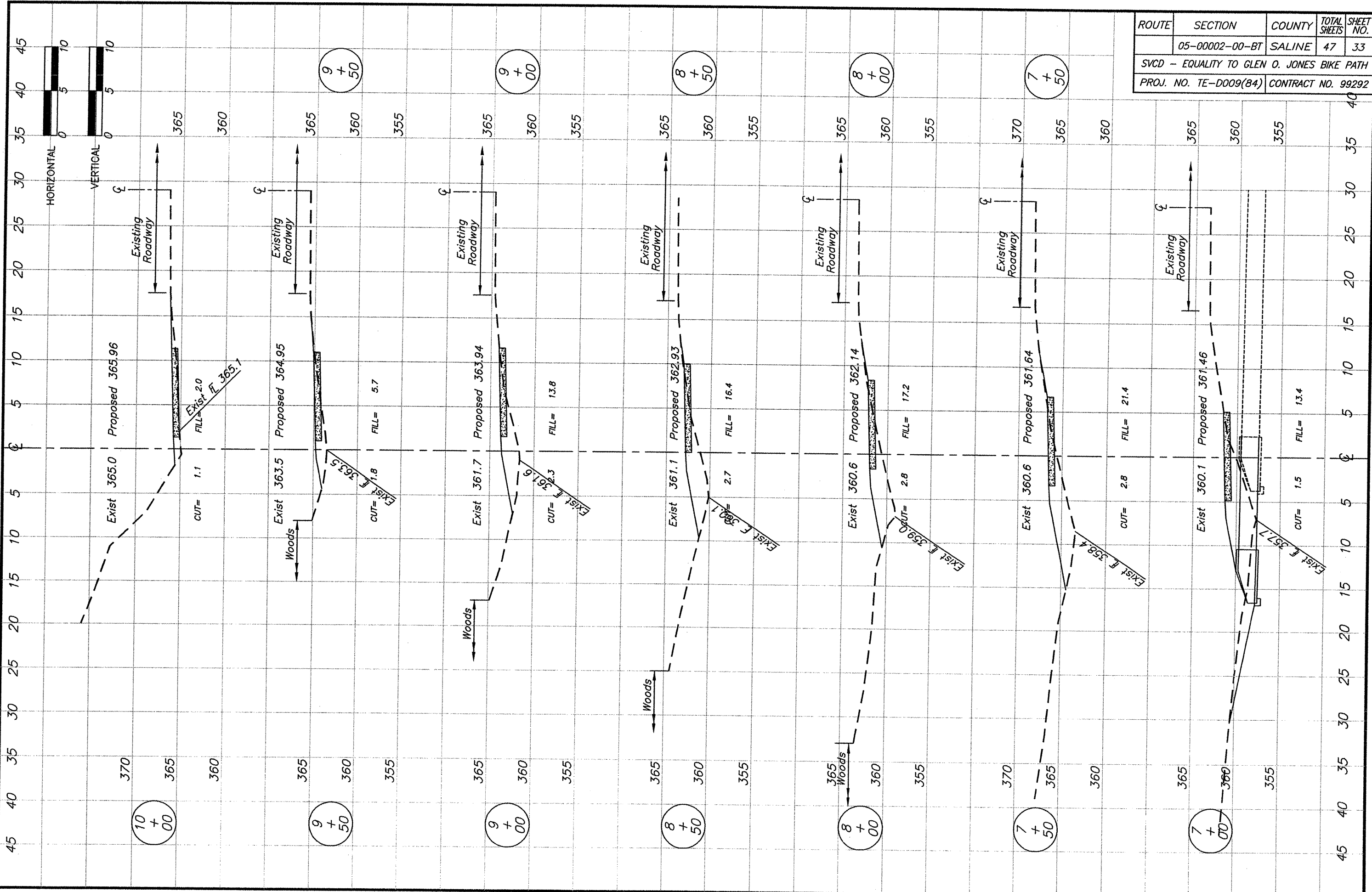
BROWN & ROBERTS, INC.



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	32
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-0009(84)		CONTRACT NO. 99292		



24 May 2007 - 1:32pm X:\2004\04008\loc\PLANS\31-41 cross sections.dwg

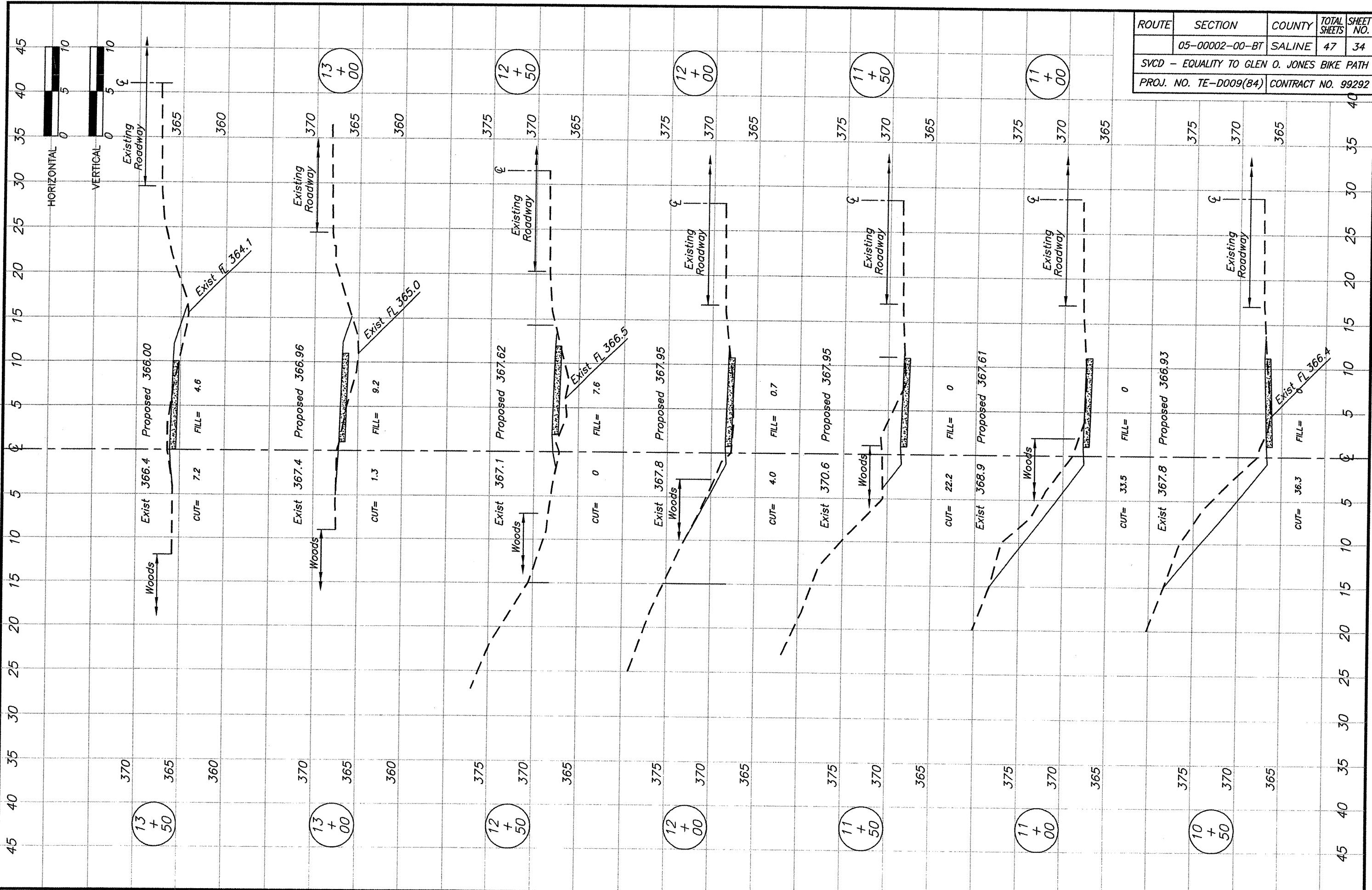


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	33
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STATION 7+00 TO 10+00

BROWN & ROBERTS, INC.

24 May 2007 - 1:32pm X:\2004\04096\04\PLANS\31-41 cross sections.dwg

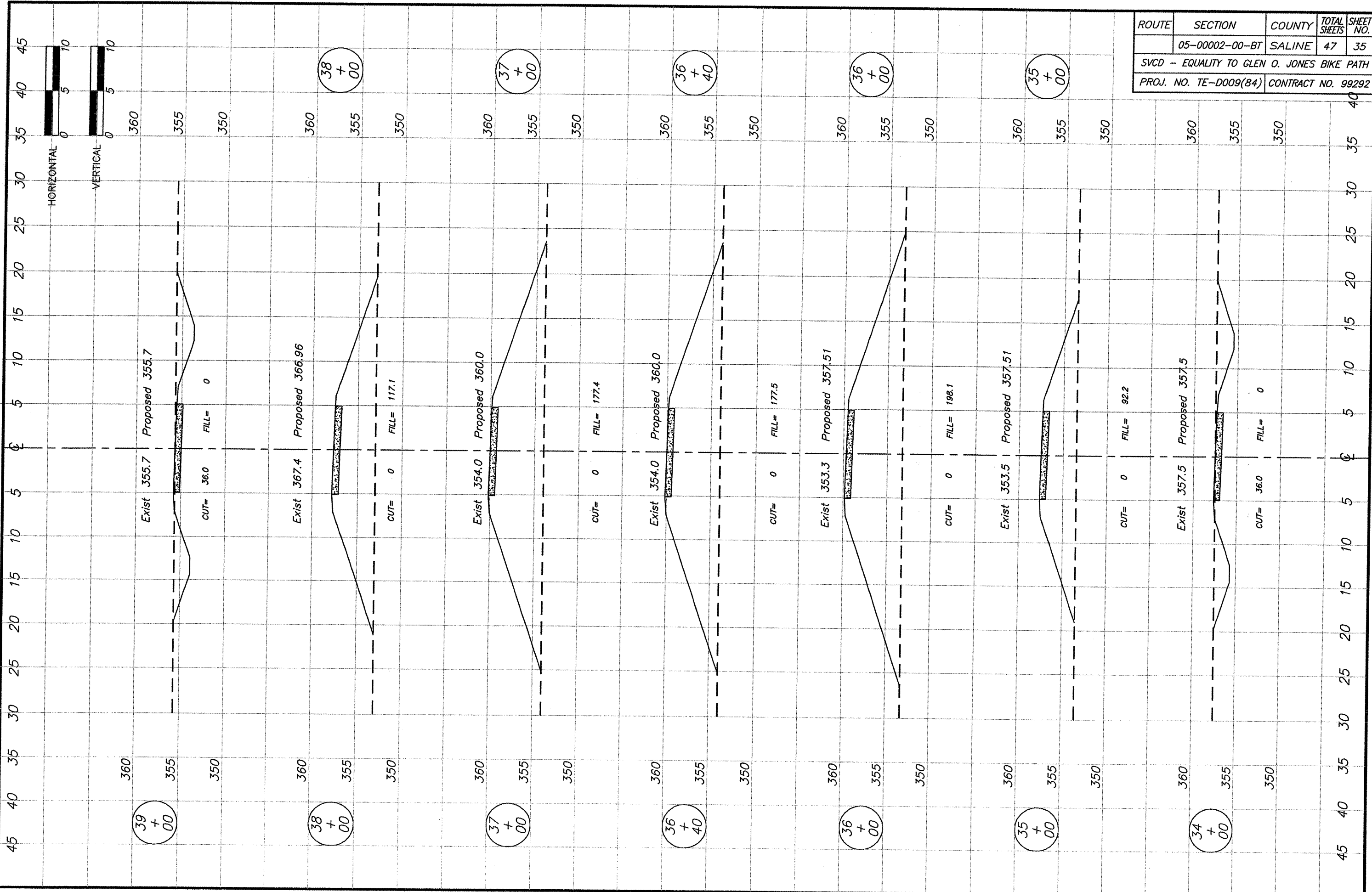


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	34
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STATION 10+50 TO 13+50

BROWN & ROBERTS, INC.

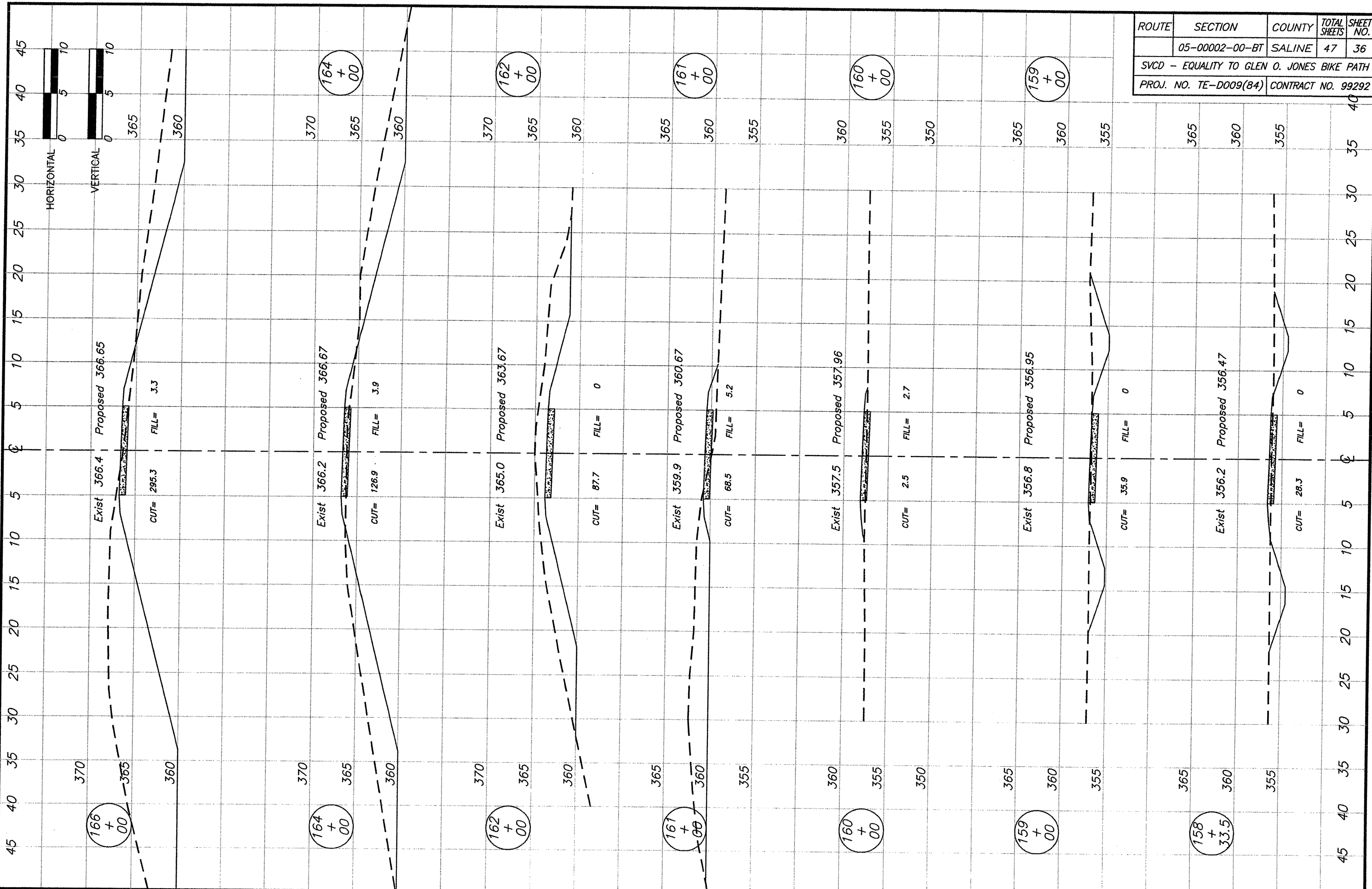
24 May 2007 - 1:33pm X:\2006\04096\oc\PLANS\31-41 cross sections.dwg



STATION 34+00 TO 39+00

BROWN & ROBERTS, INC.

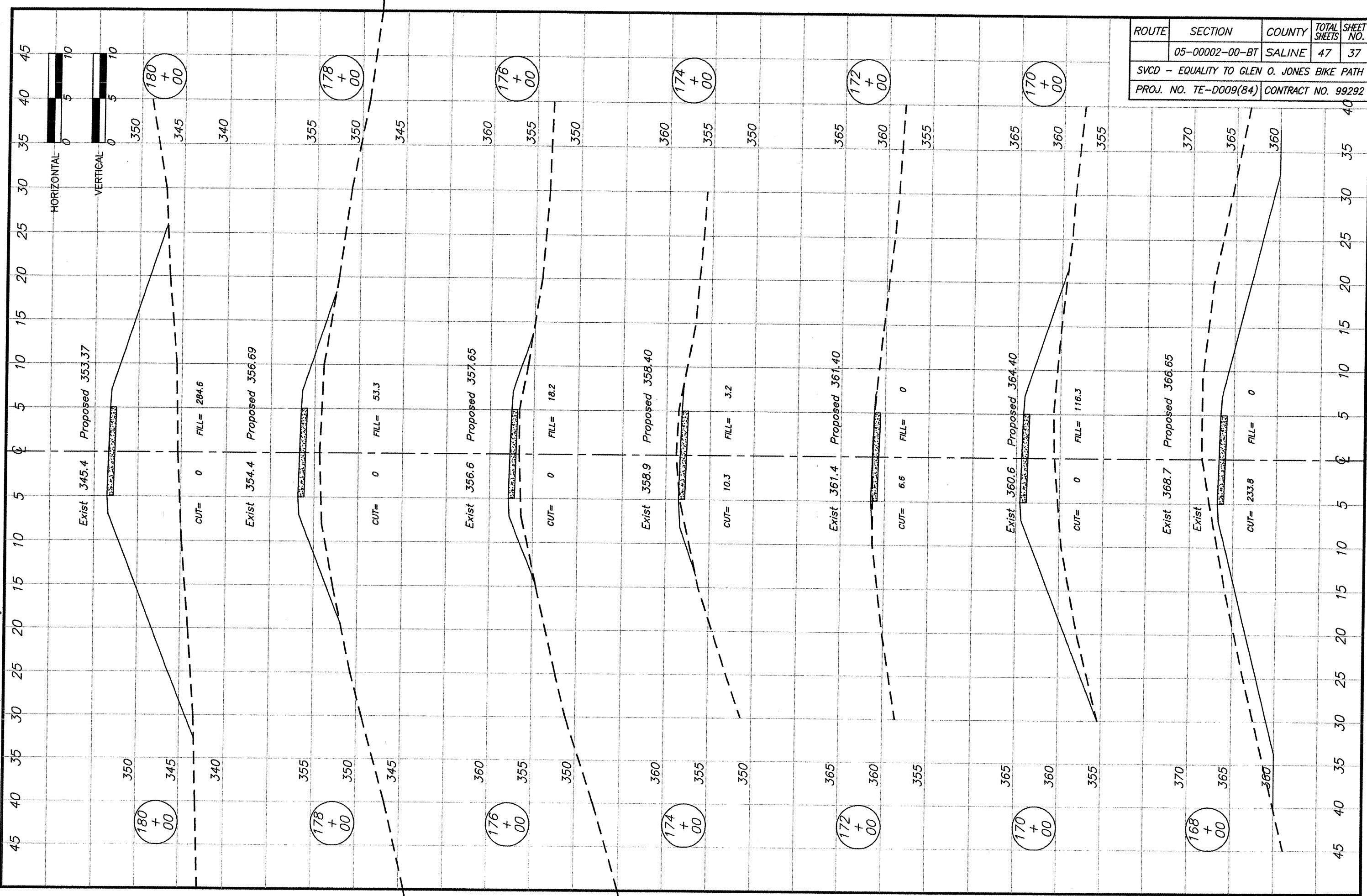
24 May 2007 - 1:34pm X:\2004\04098\loc\PLANS\31-41 cross sections.dwg



STATION 158+33.49 TO 166+00

BROWN & ROBERTS, INC.

24 May 2007 - 1:34pm K:\2004\04098\ac\PLANS\31-41 cross sections.dwg

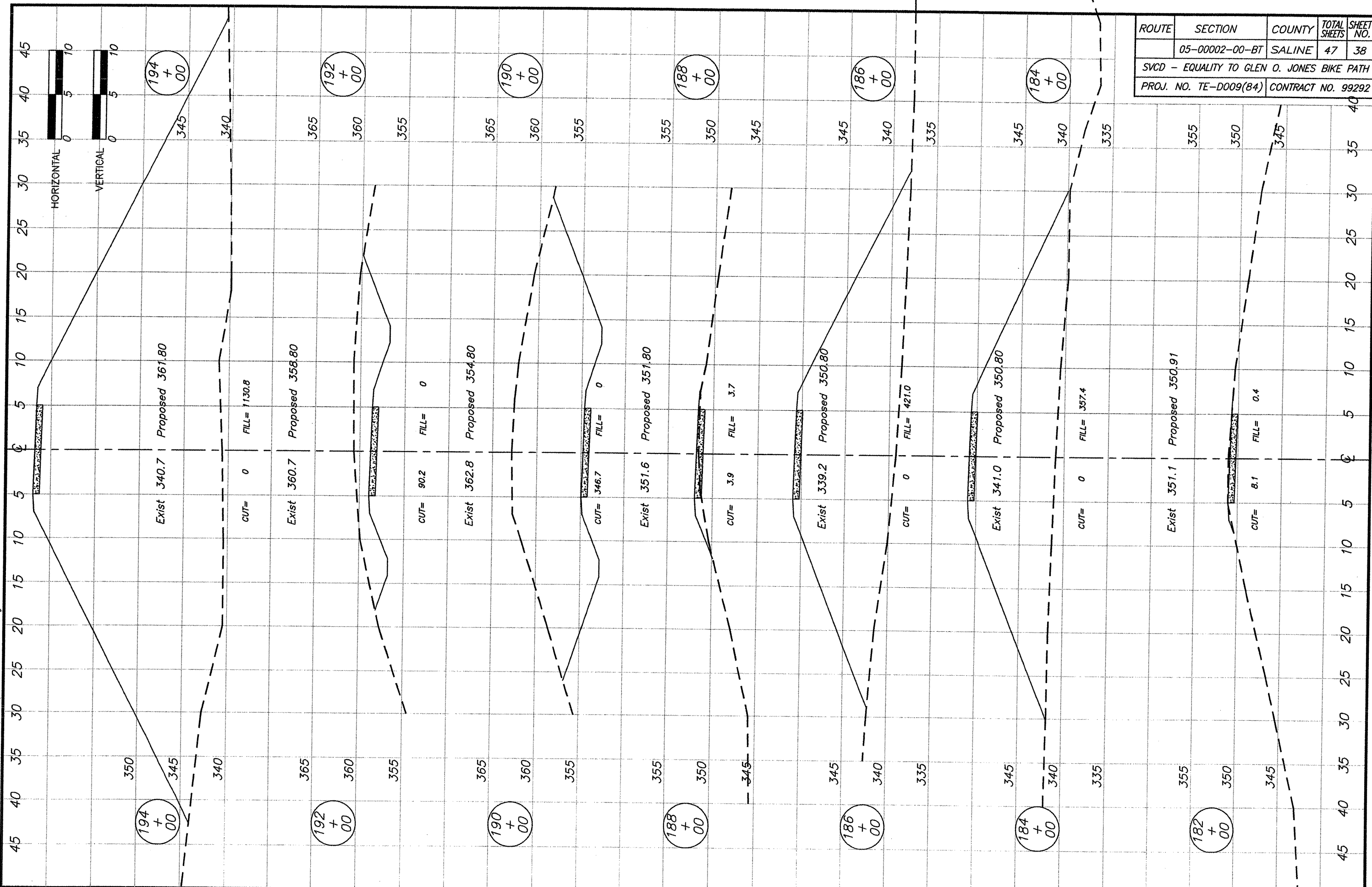


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	37
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STATION 168+00 TO 180+00

BROWN & ROBERTS, INC.

24 May 2007 - 1:35pm X:\2004\04006\loc\PLANS\31-41 cross sections.dwg

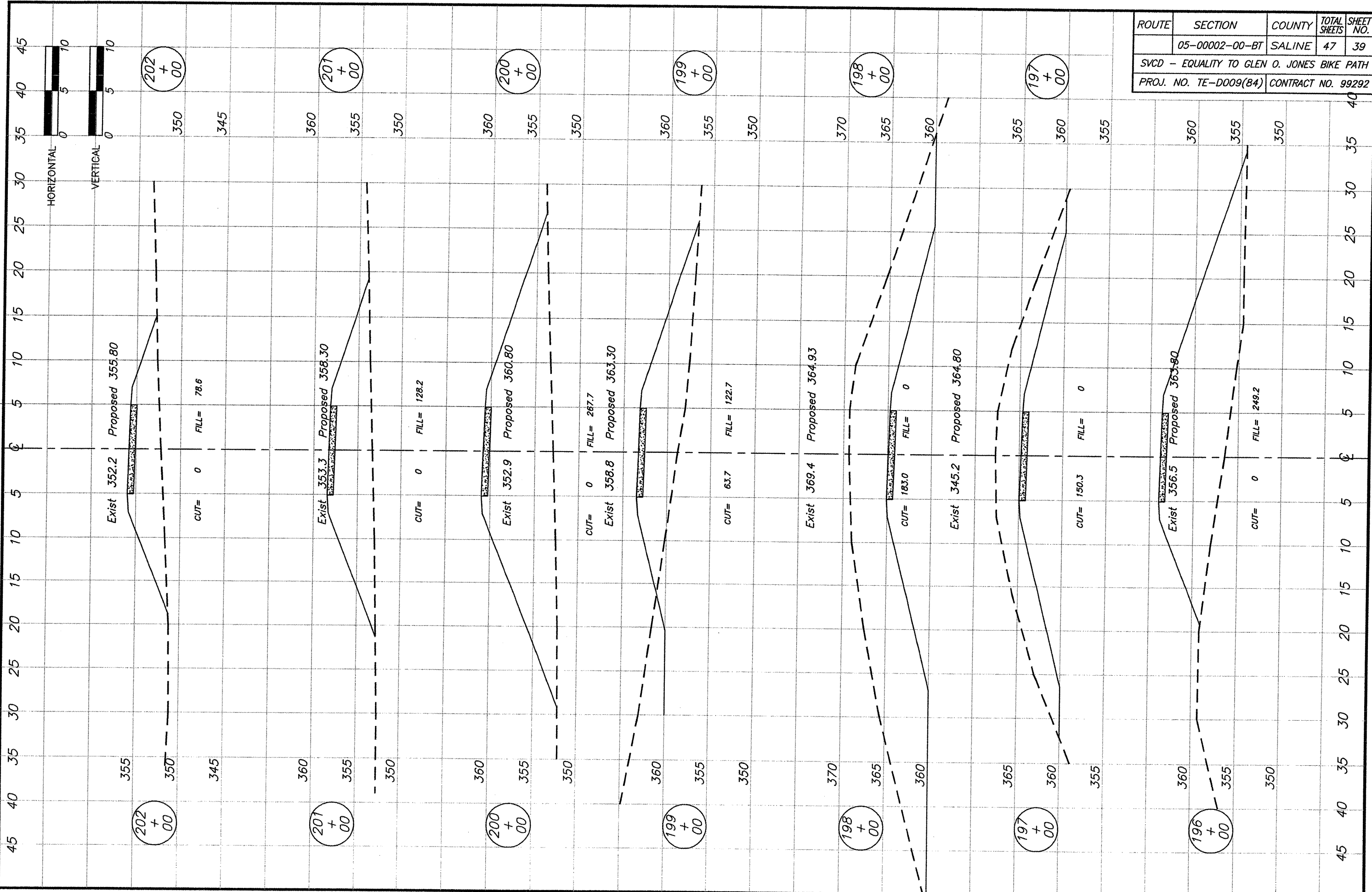


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	38
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STATION 182+00 TO 194+00

BROWN & ROBERTS, INC.

24 May 2007 - 1:35pm X:\2004\04098\loc\PLANS\31-41 cross sections.dwg

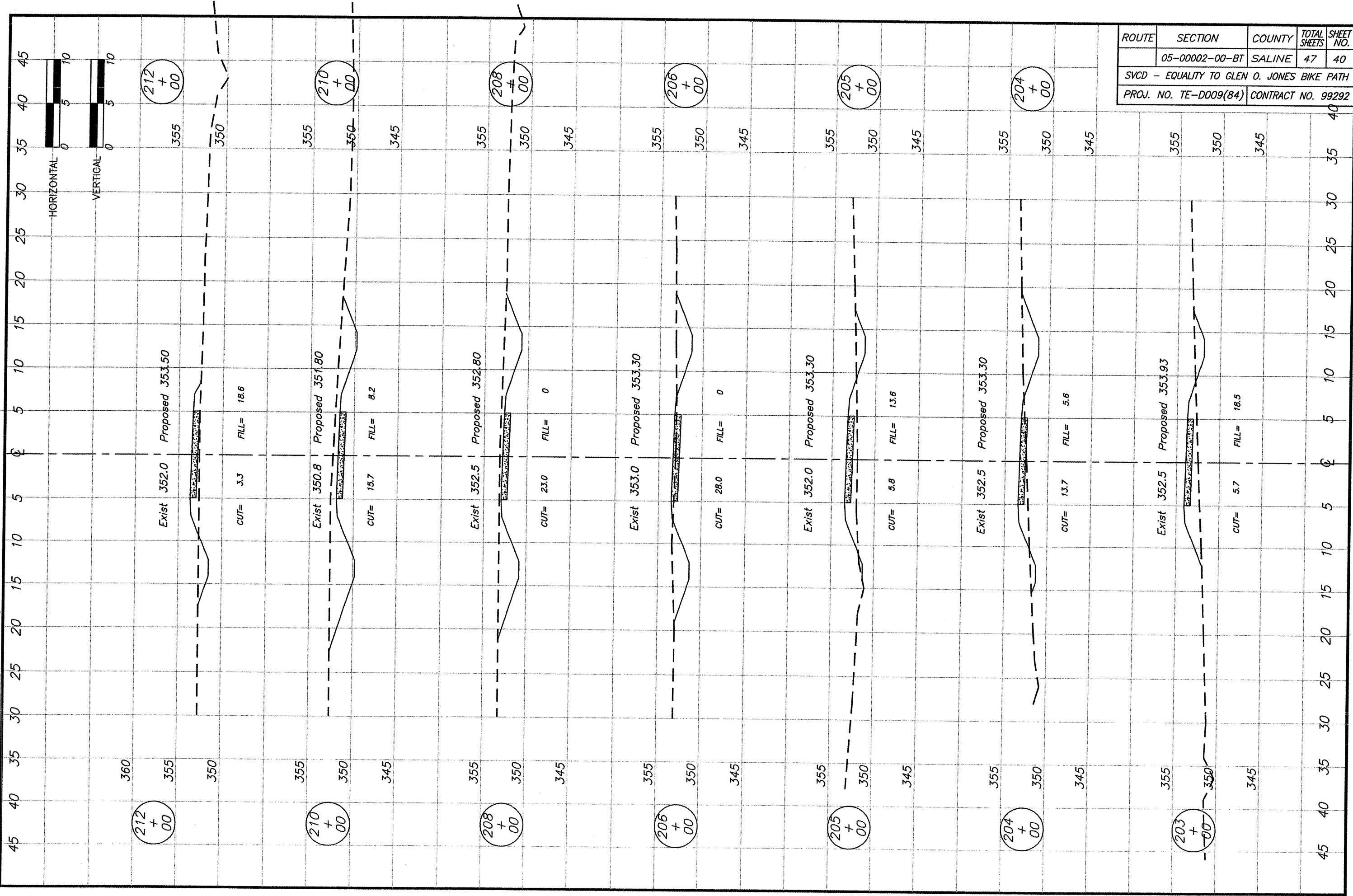


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	39
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-0009(84)			CONTRACT NO. 99292	

STATION 196+00 TO 202+00

BROWN & ROBERTS, INC.

24 May 2007 - 1:36pm K:\2004\04086\c\PLANS\31-41 cross sections.dwg



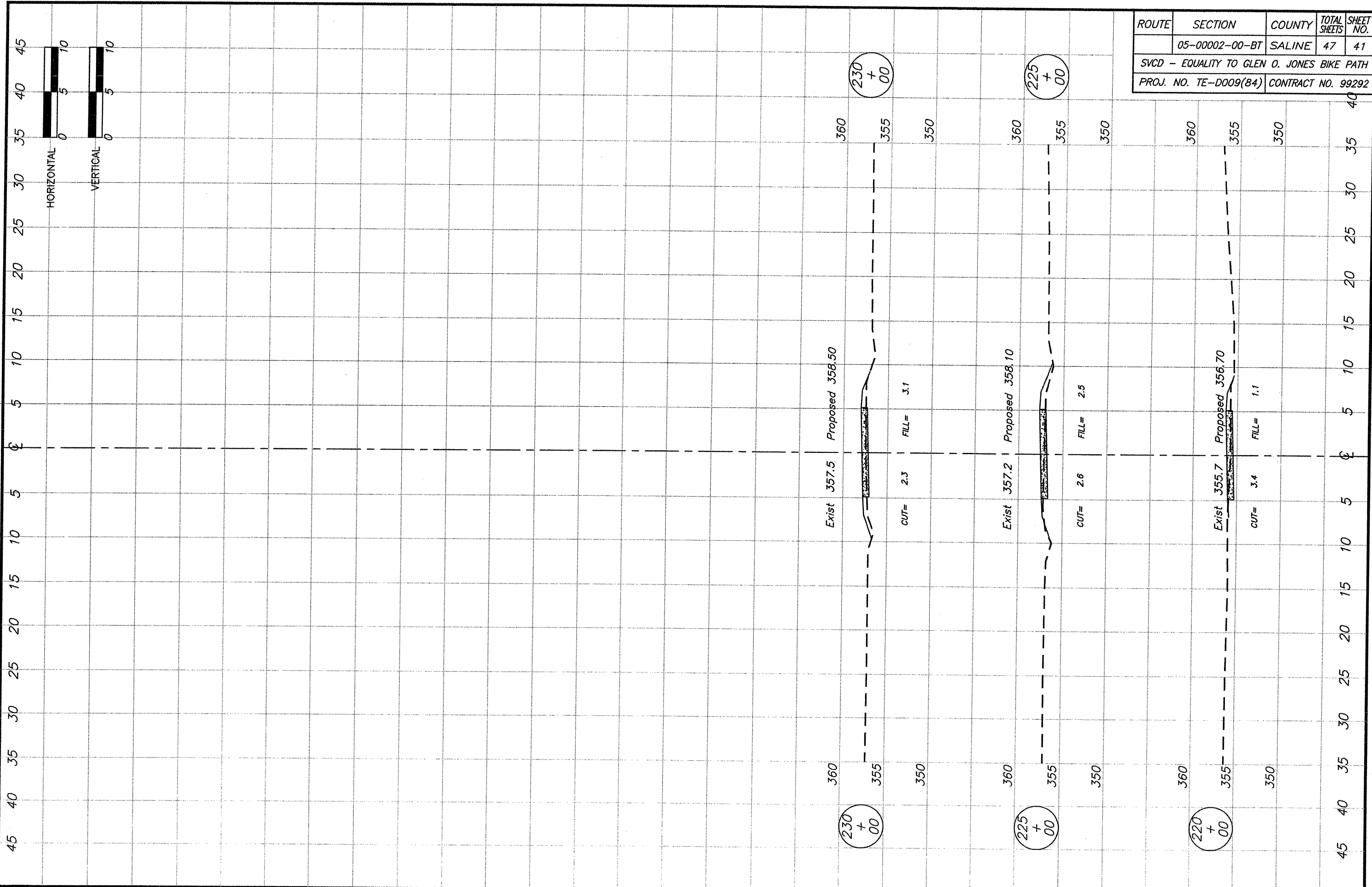
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	40
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STATION 203+00 TO 215+00

BROWN & ROBERTS, INC.



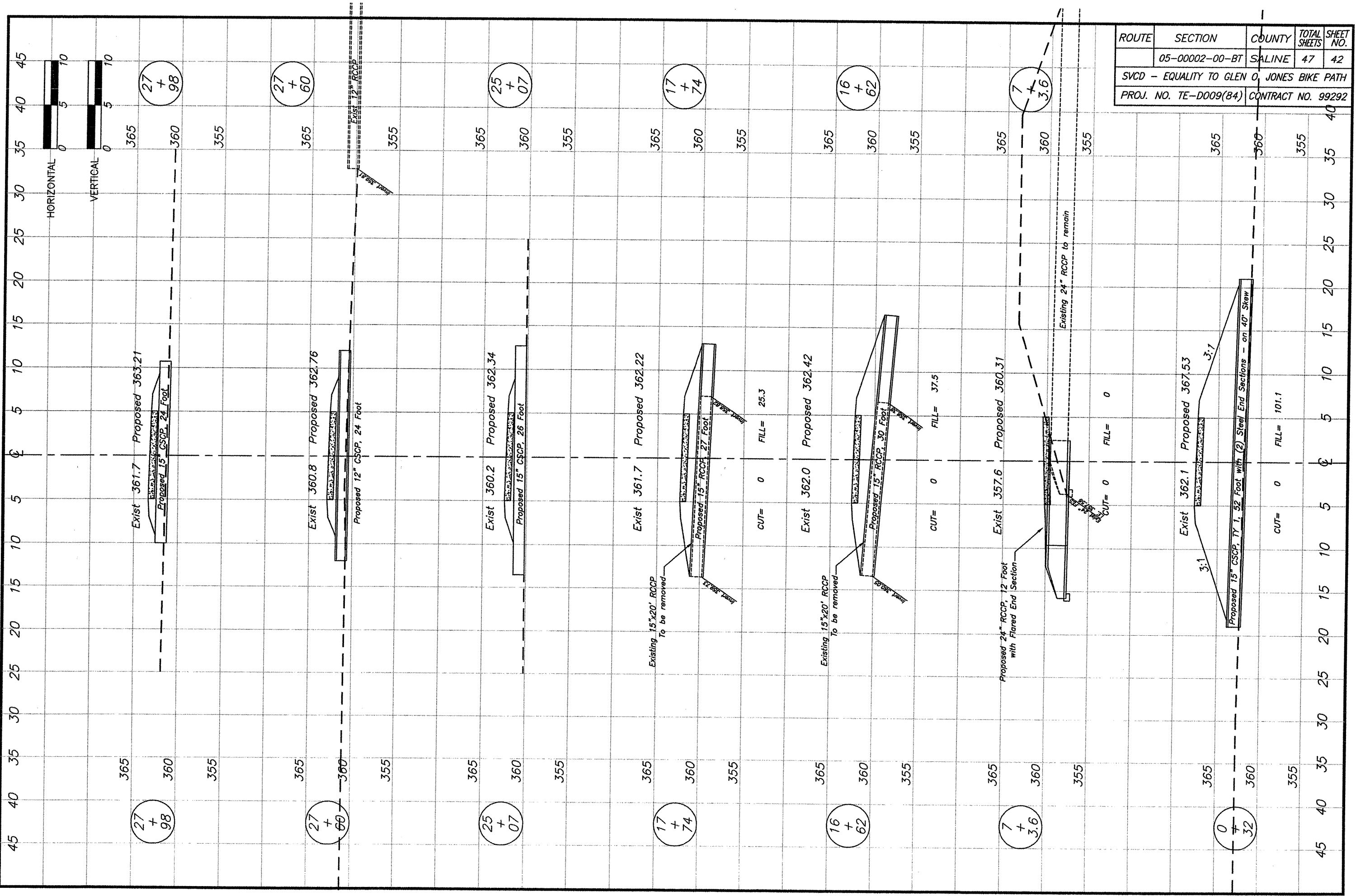
24 May 2007 - 1:36pm K:\2004\04098\loc\PLANS\31-41 cross sections.dwg



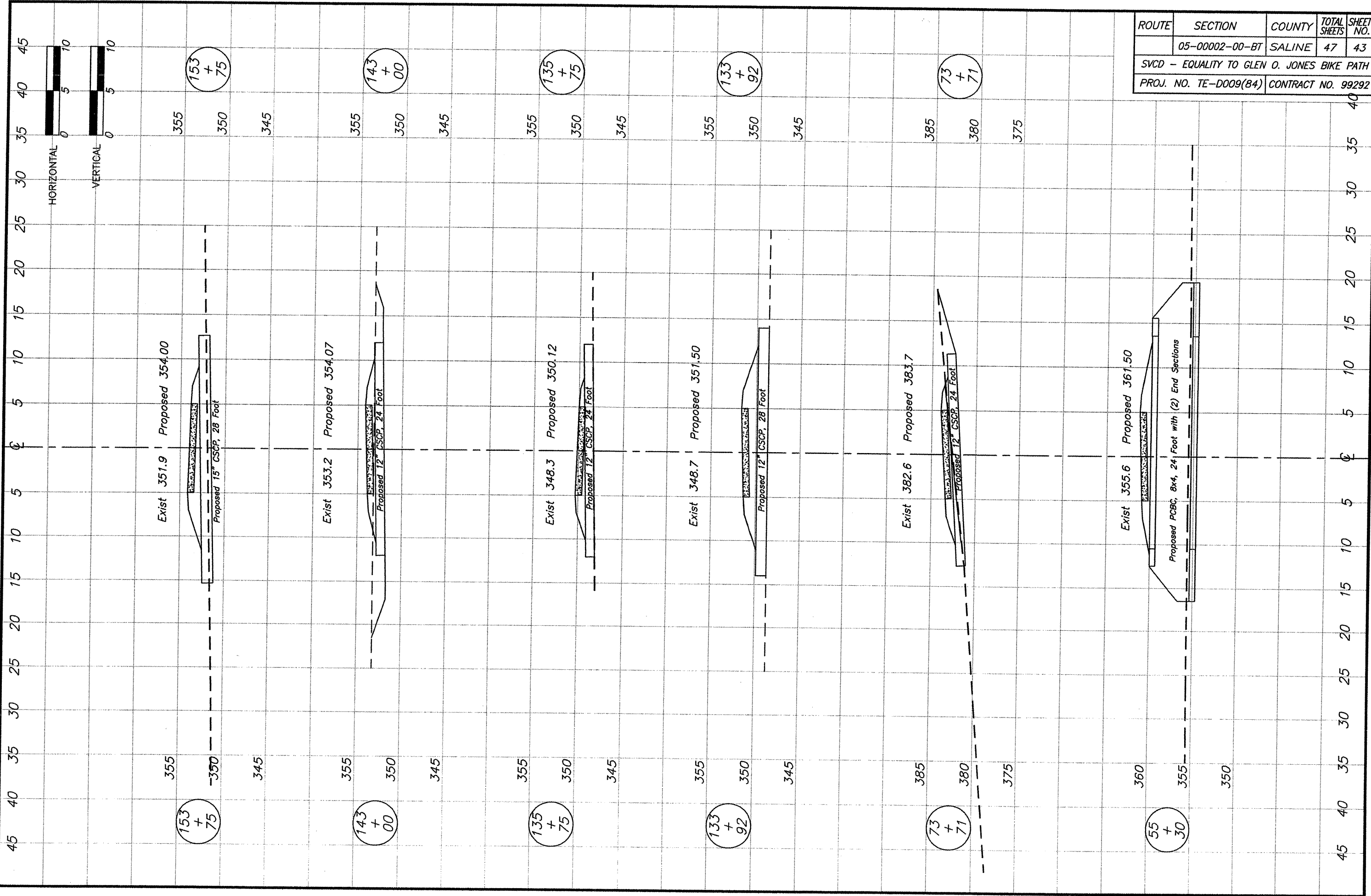
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	41
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

STATION 220+00 TO 230+00

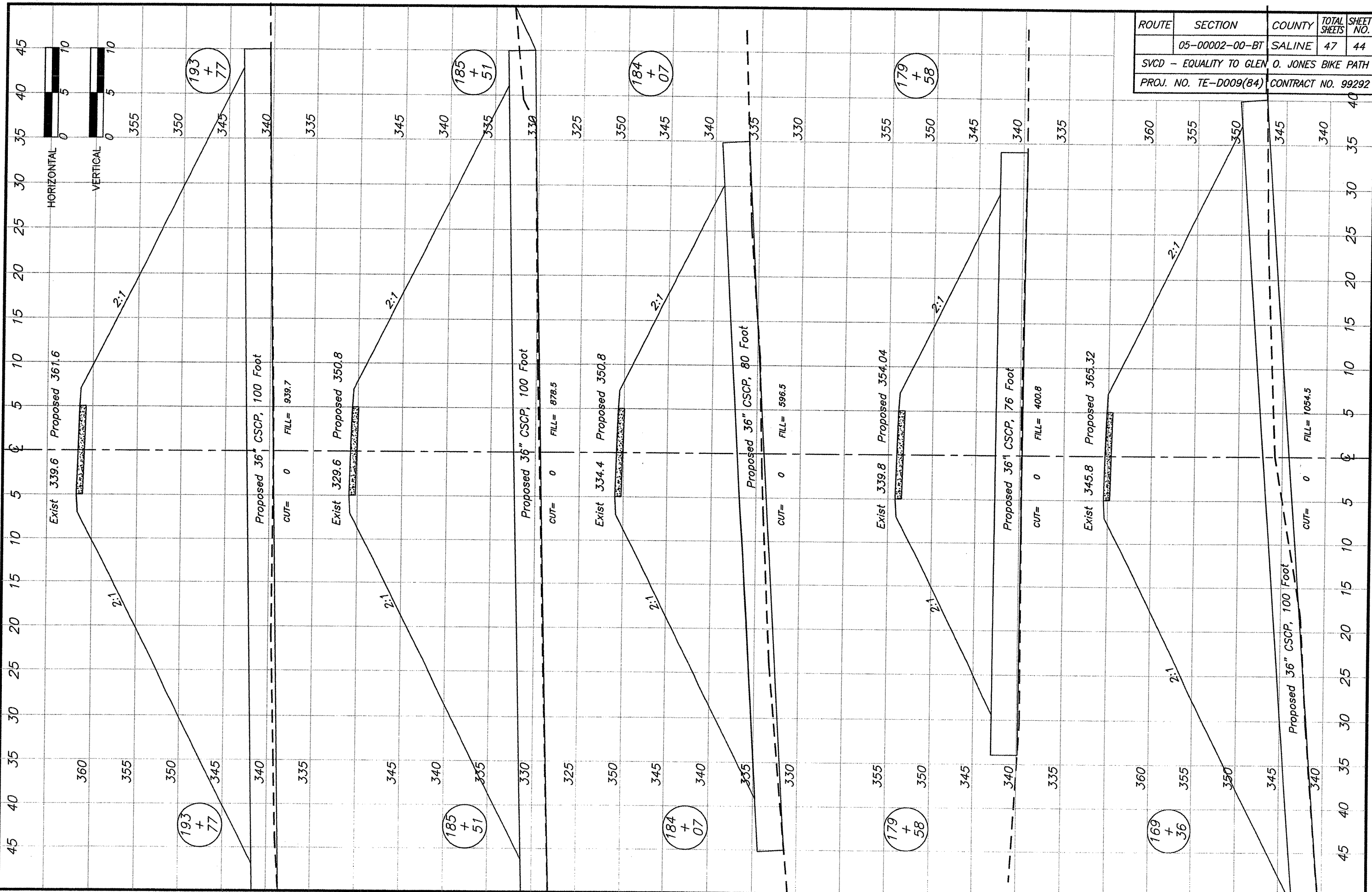
BROWN & ROBERTS, INC.



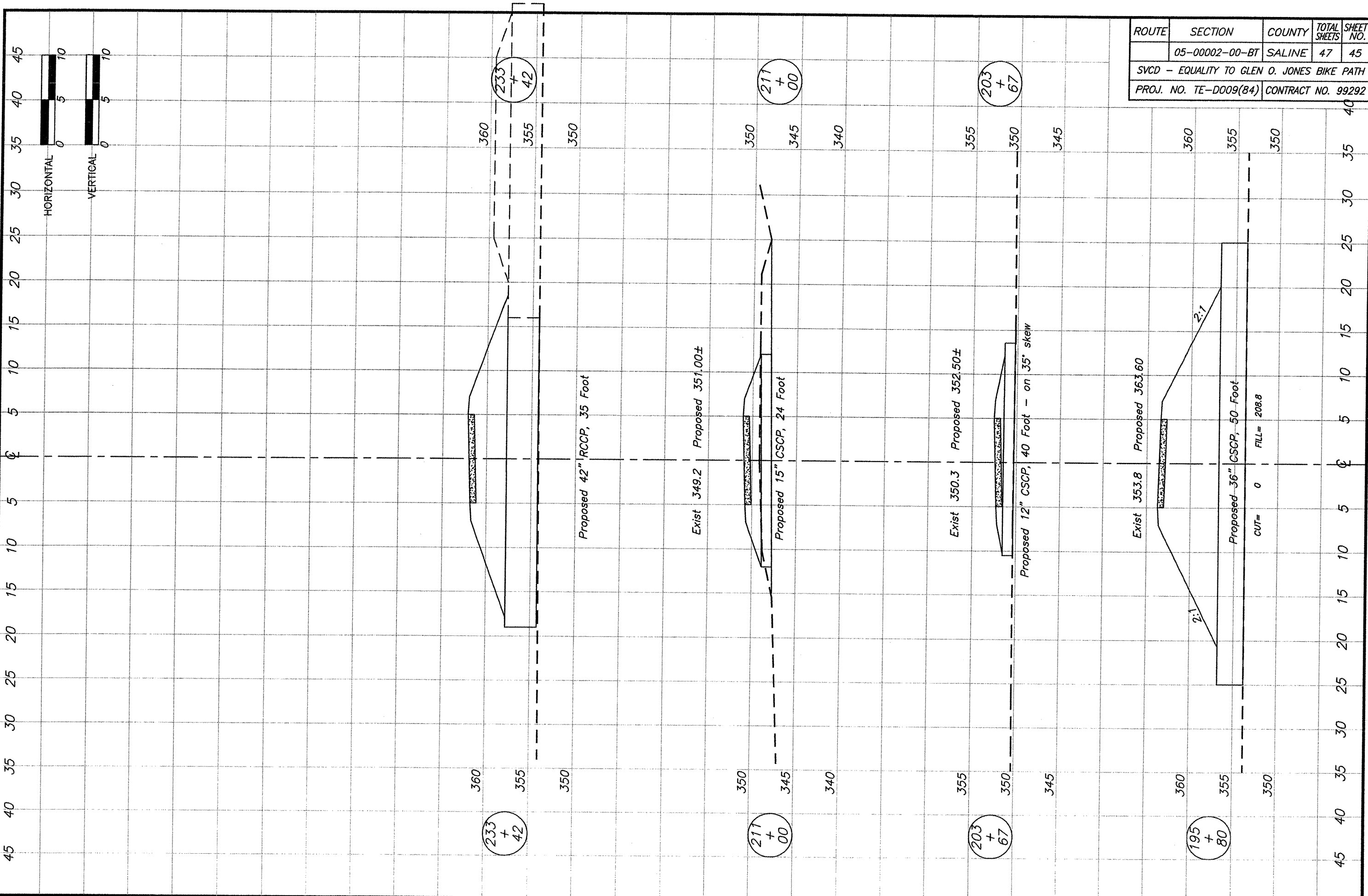
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-0002-00-BT	SALINE	47	42
SVC - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)		CONTRACT NO. 99292		



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-0002-00-BT	SALINE	47	43
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	44
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)		CONTRACT NO. 99292		



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	45
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)		CONTRACT NO. 99292		

## STORM WATER POLLUTION PREVENTION PLAN

The following Plan is established and incorporated in the project to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control facilities shall be installed by the Contractor at the beginning of construction. Other items shall be installed as directed by the Engineer on a case by case situation depending on the Contractor's sequence of activities, time of year and expected weather conditions.

The Contractor shall construct permanent erosion control systems and seeding within a time frame specified herein and as directed by the Engineer, therefore minimizing the amount of area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if any temporary erosion control systems shown in the plans can be deleted and if any additional temporary erosion control systems, which are not included in the plans, shall be added. The contractor shall perform all work as directed by the Engineer and as shown in STANDARD 280001.

Section 280, Temporary Erosion Control, of the Standard Specifications additionally supplements this plan.

### DESCRIPTION OF CONSTRUCTION ACTIVITIES

1. Temporary ditch checks shall be located at every 1.5 feet of fall/rise in ditch grade.

### INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

1. Isolated tree removal. Trees to remain will be protected against damage.
2. Watermain, Sanitary Sewers, Storm Sewers, and Drainage Structures.
3. Excavation and grading.
4. Placement of Aggregate Base Course.
5. Placement on PCC Pavement.
6. Seeding and permanent erosion control systems.

### AREA OF CONSTRUCTION SITE

1. The total area of the construction site is estimated to be 12.4 Acres of which approximately 12.4 Acres will be disturbed.

### OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE SWPPP AS REFERENCED DOCUMENTS.

1. Information of the terrain was obtained from topographic maps.
2. Project plan documents, specifications and special provisions and plan drawings indicating the drainage patterns and location of existing drainage features were utilized in the preparation of the proposed placement of temporary erosion control systems.

### DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF

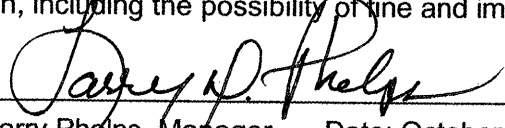
1. Proposed storm sewer outlets are tributary to existing roadside ditches. No new discharge points will be constructed.

### CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

1. Existing vegetation will be preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices will include temporary seeding, permanent seeding, mulching, protection of trees, preservation of mature vegetation and other appropriate measures as directed by the Engineer. Stabilization measures shall be initiated as soon as practical in those areas of the site where construction activities have ceased, but in no case more than 7 days after the construction activity for an area has temporarily or permanently ceased.
2. Areas outside the construction limits shall be protected from construction activities.
3. Dead, diseased or unsuitable vegetation within the site shall be removed as directed by the Engineer.
4. As soon as is reasonable, the temporary erosion control system shall be installed as indicated in the plans or as directed by the engineer.

This plan has been prepared with the intent to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this plan was prepared at my direction in accordance with a system that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

  
Larry Phelps, Manager      Date: October 25, 2009

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	46
SVC - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-D009(84)			CONTRACT NO. 99292	

DESCRIPTION OF STABILIZATION PRACTICES

DURING CONSTRUCTION

1. During construction, areas outside the construction limits shall be protected.
2. Within the construction limits, areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full scale construction is underway.
3. Earth stockpiles shall be temporary seeded if they are to remain unused for more than 14 days.
4. As soon as construction proceeds, the contractor shall institute the following as directed by the Engineer:
  - A) Place temporary erosion control facilities at locations shown in the plans.
  - B) Temporarily seed erodable bare earth on a weekly basis to minimize the amount of erodable surface area within the contract limits.
  - C) Construct roadside ditches and provide temporary erosion control systems.
  - D) Temporarily divert water around proposed culvert locations.
5. Excavated areas shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction in the area is planned for 7 days.
6. All necessary measures shall be taken by the contractor to contain any fuel or pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
7. The Resident Engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rains of 0.5 inches or greater or equivalent snowfall and during any winter shutdown period.
8. Sediment collected during the construction by the various temporary erosion control systems shall be disposed of on site on a regular basis as directed by the Resident Engineer. The cost of this maintenance shall be considered incidental to the erosion control system.
9. The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The cost of removal shall be included in the unit bid price for various temporary erosion control pay items.

DESCRIPTION OF STRUCTURAL PRACTICES

AFTER FINAL GRADING

1. Temporary seeding shall be left in place with proper maintenance until permanent erosion control and all proposed turf areas seeded and established.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed turf areas reseeded.

MAINTENANCE AFTER CONSTRUCTION

1. Construction is complete after FINAL acceptance by I.D.O.T. final inspection. Maintenance up to this date will be by the contractor.

MISCELLANEOUS

1. Temporary ditch checks shall be located at every 1.5 feet of fall/rise in ditch grade.
2. Temporary erosion control seeding shall be applied at the rate of 100 lbs/acre.
3. Straw bales, hay bales, perimeter erosion control barrier and silt fences will not be permitted for temporary or permanent ditch checks. Ditch checks shall be composed of aggregate, silt panels, rolled excelsior, urethane foam geotextile (silt wedges) and/or other material approved by the erosion and sediment control coordinator.
4. All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the Engineer a notarized certification by the producer stating the intended use of the product and the physical properties required for this application are met or exceeded. The contractor shall provide manufacturer installation procedures to facilitate the Engineer in construction inspection.
5. All items shall be constructed as shown on STANDARD 280001 and as directed by the Engineer. Maintenance and cleaning of erosion control items shall be considered part of the respective erosion control pay item.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00002-00-BT	SALINE	47	47
SVCD - EQUALITY TO GLEN O. JONES BIKE PATH				
PROJ. NO. TE-DD09(84)			CONTRACT NO. 99292	