

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	47	1
SVCD BIKE TRAIL - PHASE 2				
PROJ. NO. TE-00D9(112)			CONTRACT NO. 99459	

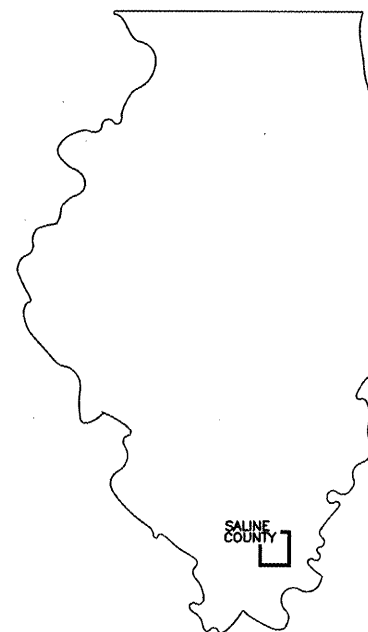
**SALINE VALLEY CONSERVANCY DISTRICT**  
**PLANS FOR**  
**ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM**  
**SVCD BIKE TRAIL - PHASE 2**  
**PROJECT NO. TE-00D9(112)**  
**SECTION 10-00003-00-BT**  
**JOB NO. C-99-507-11**

Board Members

- BRANDON MORSE  
*PRESIDENT*
- BOB S. PRINCE  
*TREASURER*
- ROBERT C. WILSON  
*SECRETARY*
- DANNY PAGE  
*TRUSTEE*
- CHELSEA ATKINSON  
*TRUSTEE*
- LARRY PHELPS  
*MANAGER*
- C. MART WATSON  
*ATTORNEY*

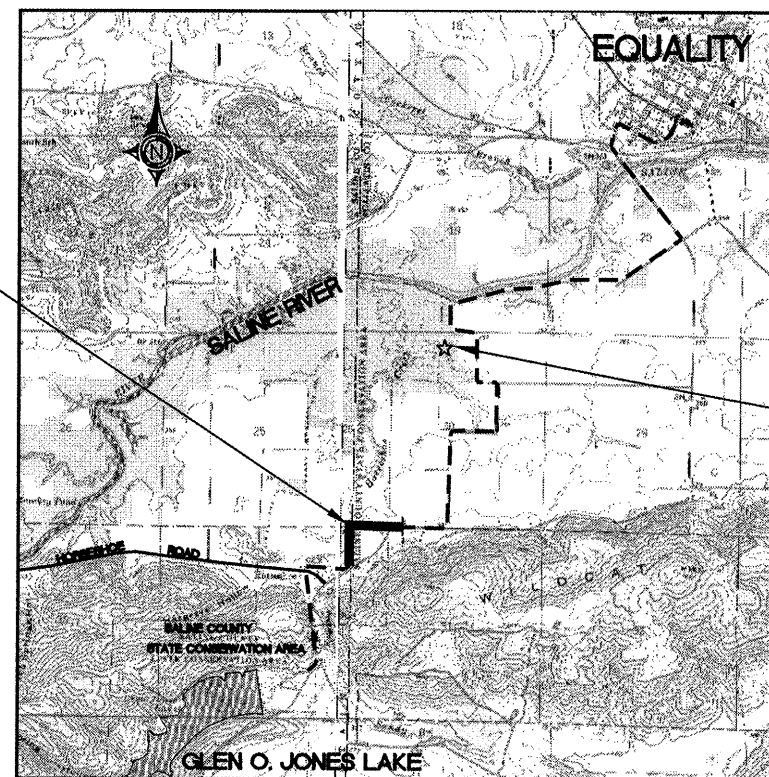
**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES  
TYPICAL SECTIONS
- 3 MATERIAL SCHEDULES
- 4-5 PLAN & PROFILE
- 6-23 CROSS SECTIONS
- 24-25 STORM WATER POLLUTION  
PREVENTION PLAN



**CONTRACT NO. 99459**

PROPOSED IMPROVEMENTS



MITIGATION LOCATION

LOCATION MAP APPROXIMATE SCALE: 1" = 1 MILE  
LENGTH OF IMPROVEMENT = 2,586 FEET (0.49 MILES)

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 701301-04 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.)

UTILITIES

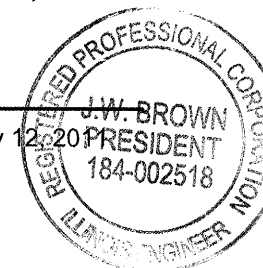
- SHAWNEE TELEPHONE COMPANY
- SOUTHEASTERN ILLINOIS ELECTRIC CO-OP.

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

**B.R.I. JOB NO. 10-209**

*Jim W. Brown*  
Jim W. Brown, President  
Illinois Professional Design Firm  
Land Survey & Prof. Eng. Corp  
Number 184-002518  
Expires April 30, 2013

May 12, 2011



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

**SALINE VALLEY CONSERVANCY DISTRICT**

APPROVED MAY 17, 2011

*Larry D. Phelps*  
MANAGER, SALINE VALLEY CONSERVANCY DISTRICT

PASSED MAY 23, 2011

*Dennis W. Hillebrand*  
DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

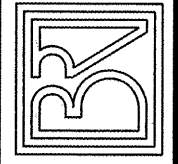
RELEASING FOR BID  
BASED ON LIMITED  
REVIEW

May 23, 2011  
*Mary C. Lamie*  
MARY C. LAMIE, P.E.  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FIVE ENGINEER

17 May 2011 - 7:11am X:\2010\10209\AC\10209\_Sheet1\_cover.dwg

CODE NO.	PAY ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	3.6
20200100	EARTH EXCAVATION	CU YD	2,985
20800150	TRENCH BACKFILL	CU YD	26.3
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,873
*25301800	SEEDLINGS	UNIT	2.75
*28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300
28000305	TEMPORARY DITCH CHECKS	FOOT	100
28000400	PERIMETER EROSION BARRIER	FOOT	850
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	460
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,400
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	1750
40300500	COVER COAT AGGREGATE	TON	45
40300600	SEAL COAT AGGREGATE	TON	45
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2
54020804	PRECAST CONCRETE BOX CULVERT 8'X4' (M273)	FOOT	24
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	25
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	32
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	8.94
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	54.5
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	3.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

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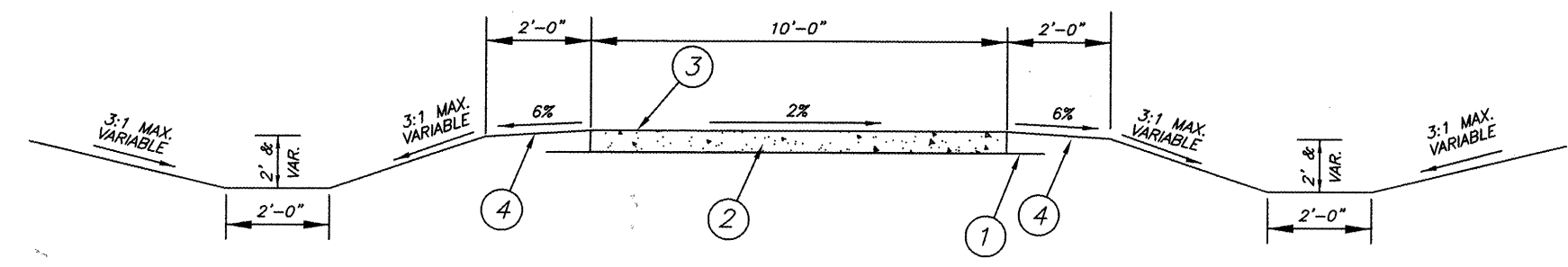
**S.V.C.D.**  
 ILLINOIS TRANSPORTATION  
 ENHANCEMENT PROGRAM  
 SUMMARY OF QUANTITIES

Drawn By:	Checked By:
VW	MWR
Revisions	
Item	Date By
Scale:	Field Bk:
AS SHOWN	10-209
Job Number:	Date:
10-209	02/11

Sheet  
**2**  
 of 25

LEGEND

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



**PROPOSED TYPICAL SECTION**  
 4H30 TO 67+18  
 NO SCALE

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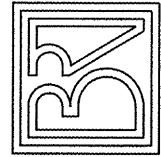
**SIGN SCHEDULE**

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
STA. 52+80 LT	MILEPOST "MILE 1"	M1-8	1.50	13.5
	MILEPOST "MILE 1"	M1-8	1.50	-
STA. 67+10 LT	NO MOTOR VEHICLES	R5-3	4.00	14.0
STA. 67+10 RT	YIELD	R1-2	0.97	13.5
STA. 67+50 LT	YIELD	R1-2	0.97	13.5
PROJECT TOTALS			8.94	54.5

**CULVERT AND RIPRAP SCHEDULE**

STATION	24" DIA RCCP (FOOT)	36" DIA RCCP (FOOT)	8'x4' PCBC (FOOT)	24" DIA PRCFES (EACH)	36" DIA PRCFES (EACH)	8'x4' PRC END SEC NO.1	TRENCH BACKFILL (CU YD)	STONE RR A3 (TON)
51+50		32			2		8.9	
53+12			24			2	13.5	10
55+00	25			2			3.9	10
48+90 to 51+65								440
TOTALS	25	32	24	2	2	2	26.3	460

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**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: 10-209

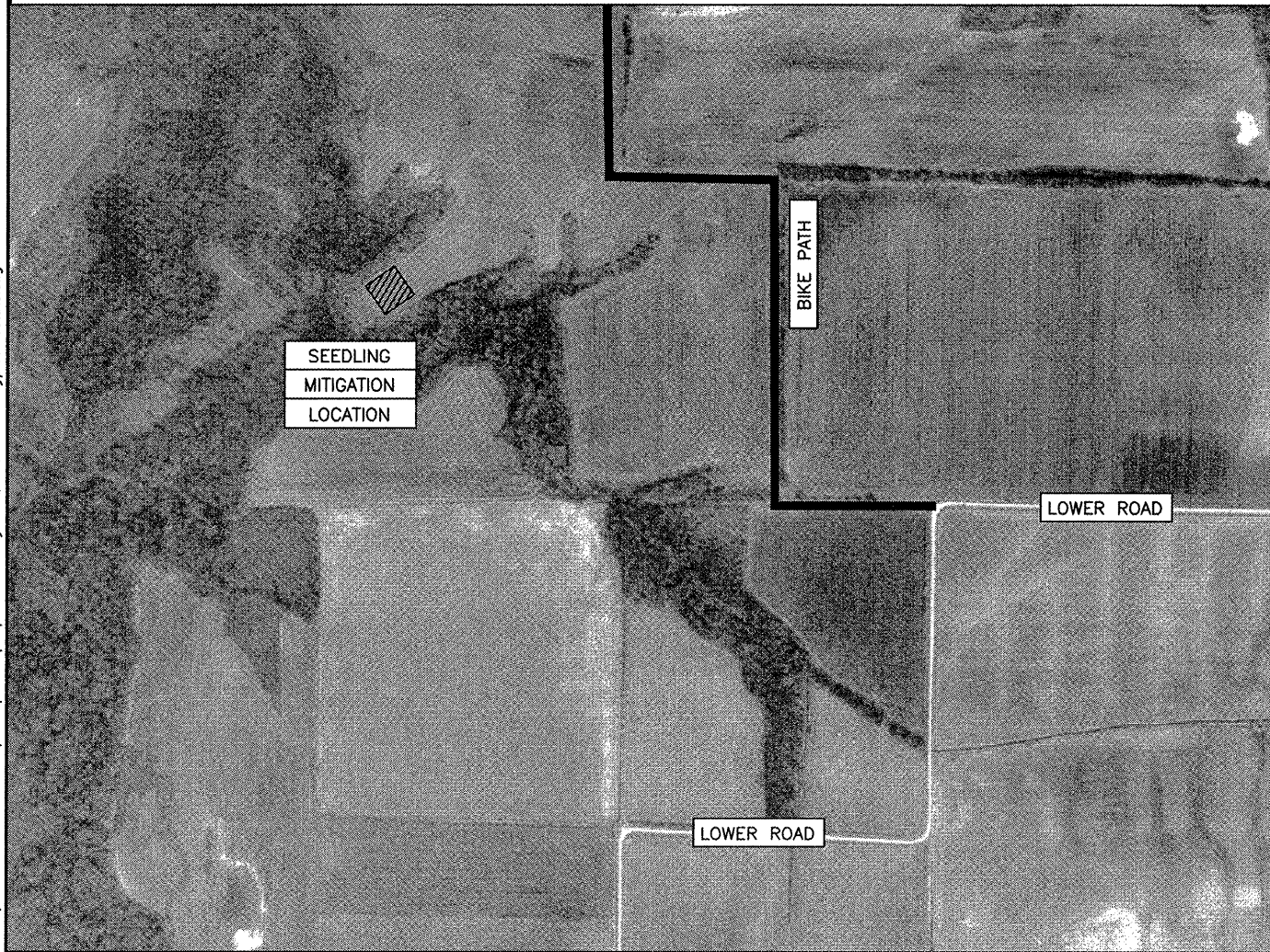
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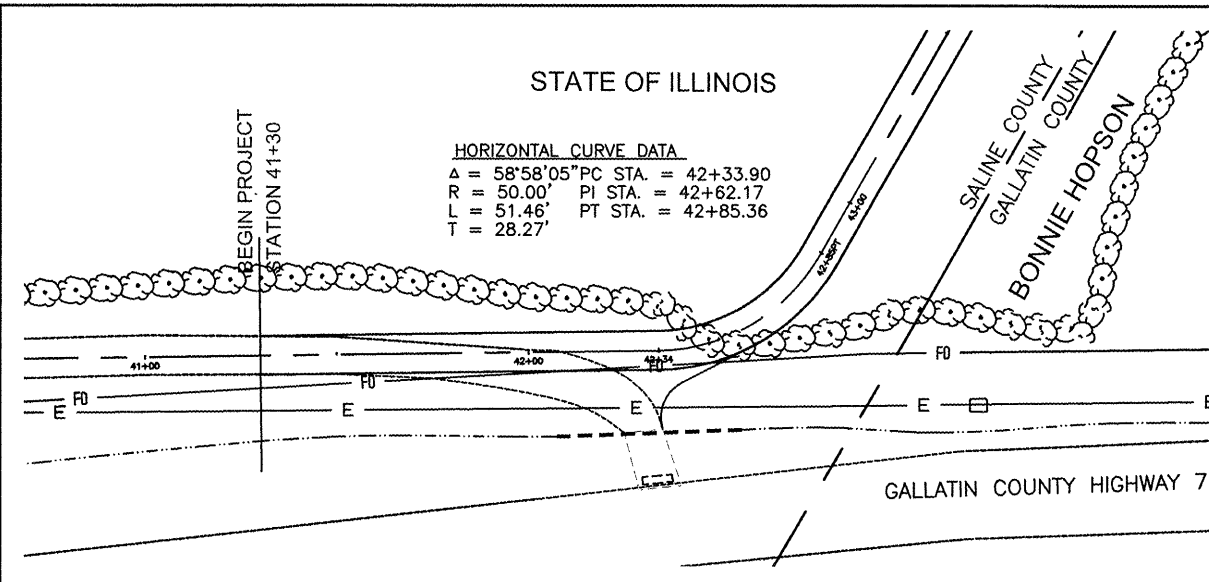
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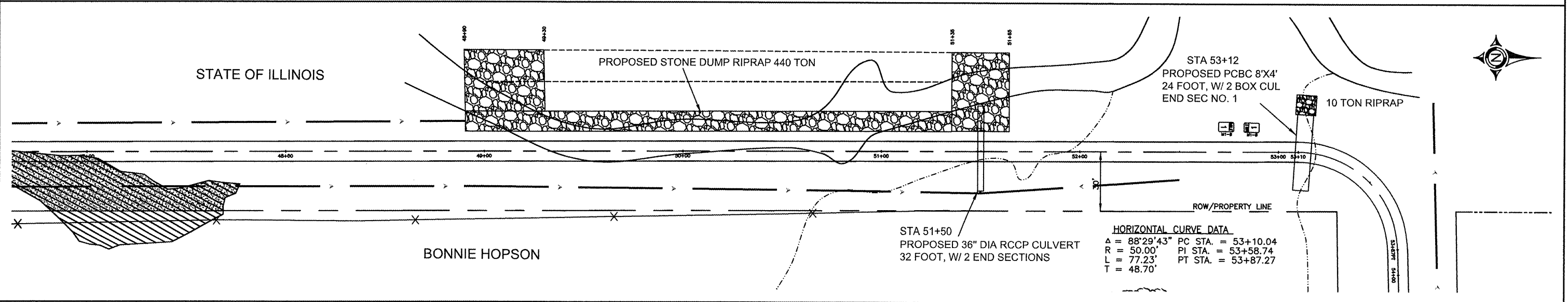
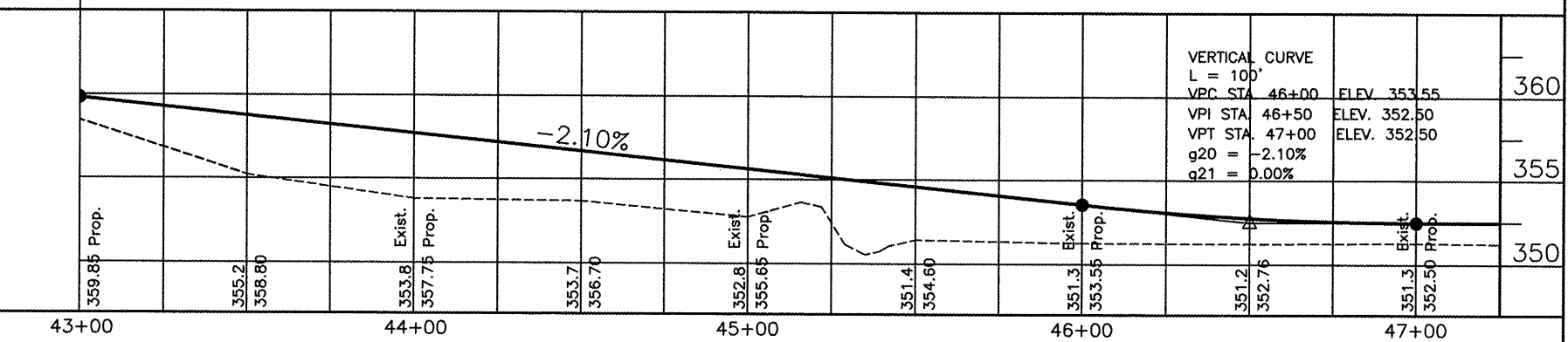
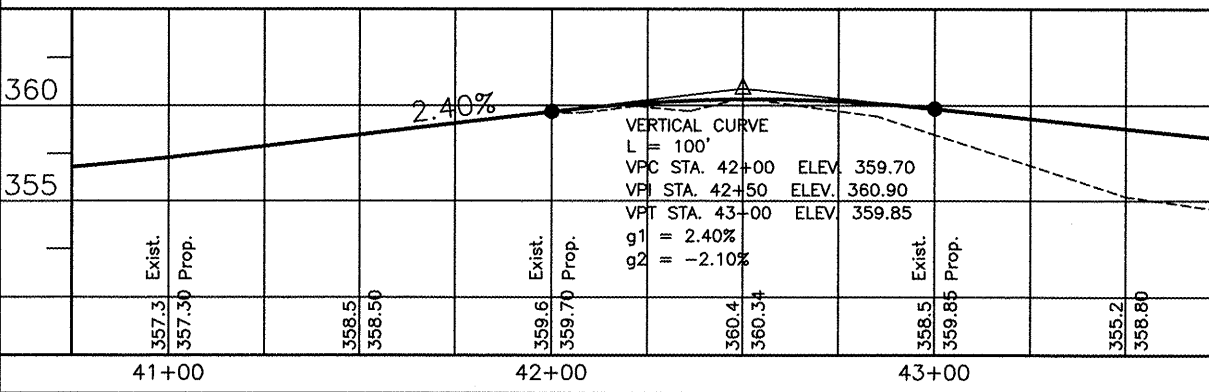
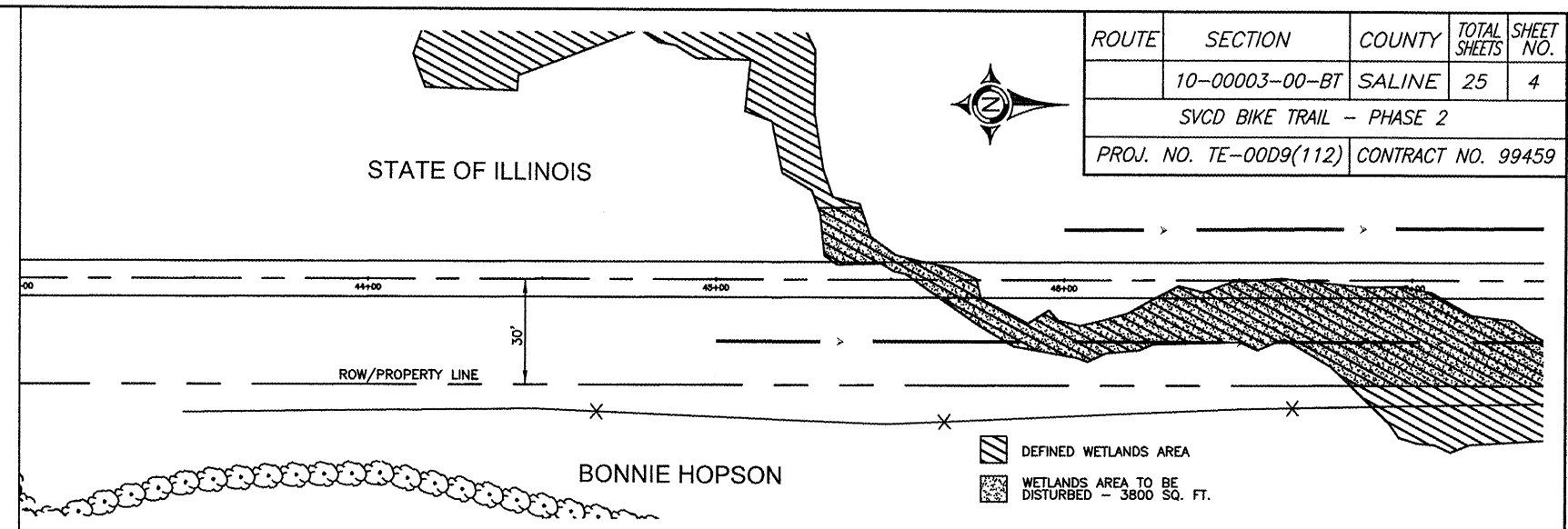


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	4
SVCD BIKE TRAIL - PHASE 2				
PROJ. NO. TE-00D9(112)			CONTRACT NO. 99459	



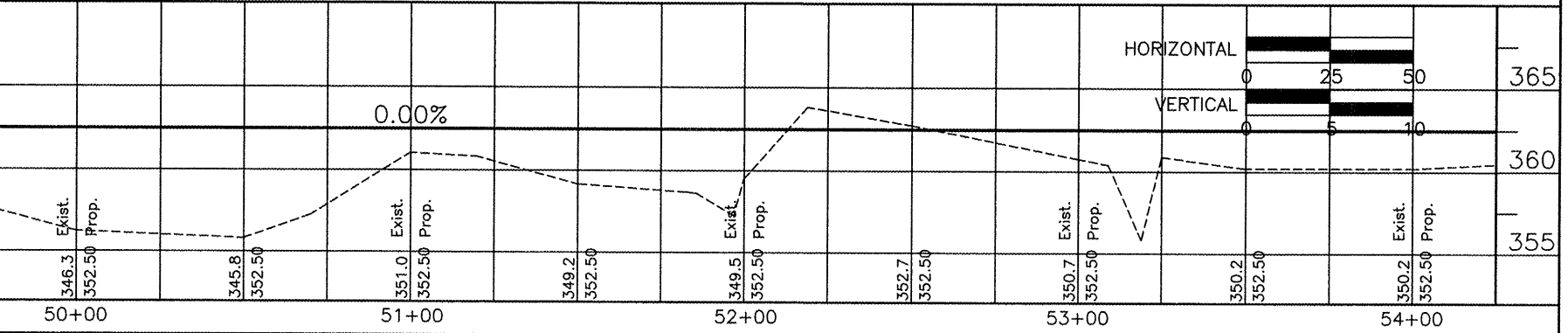
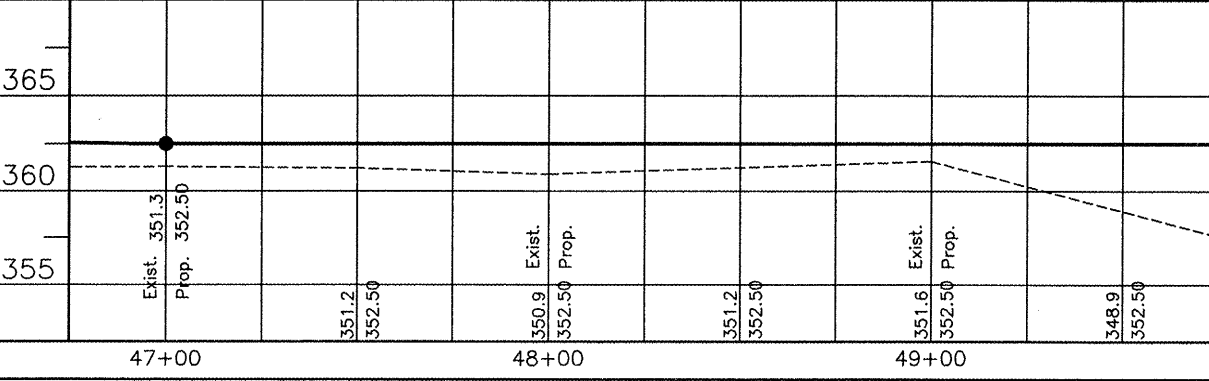
STATE OF ILLINOIS

HORIZONTAL CURVE DATA  
 $\Delta = 58^{\circ}58'05''$  PC STA. = 42+33.90  
 $R = 50.00'$  PI STA. = 42+62.17  
 $L = 51.46'$  PT STA. = 42+85.36  
 $T = 28.27'$



STATE OF ILLINOIS

HORIZONTAL CURVE DATA  
 $\Delta = 88^{\circ}29'43''$  PC STA. = 53+10.04  
 $R = 50.00'$  PI STA. = 53+58.74  
 $L = 77.23'$  PT STA. = 53+87.27  
 $T = 48.70'$

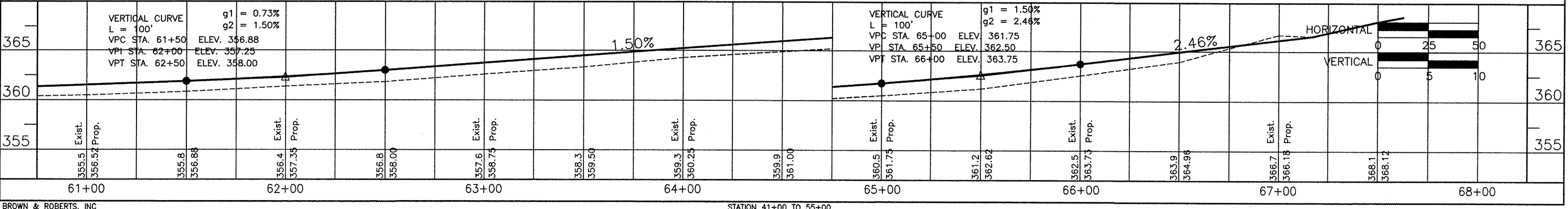
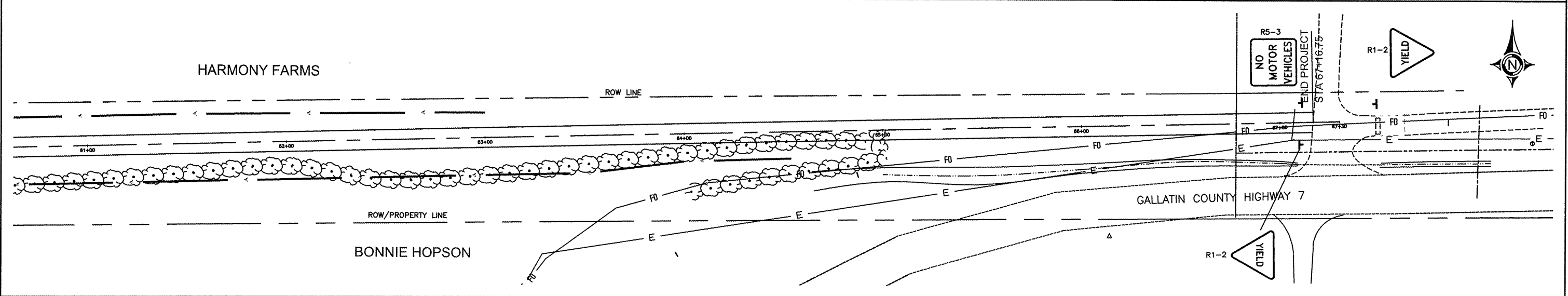
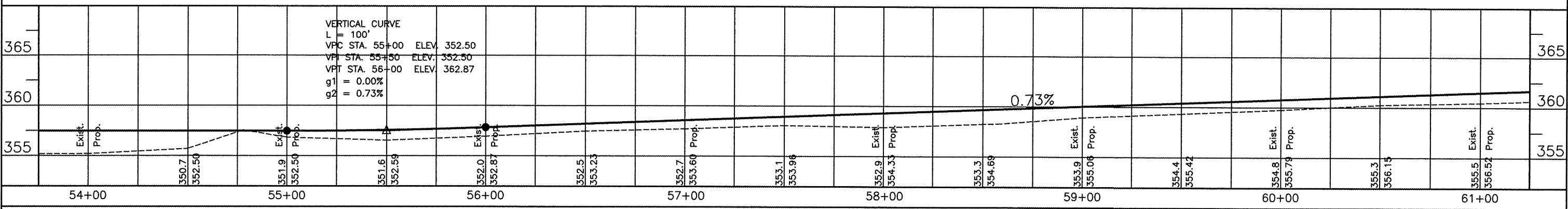
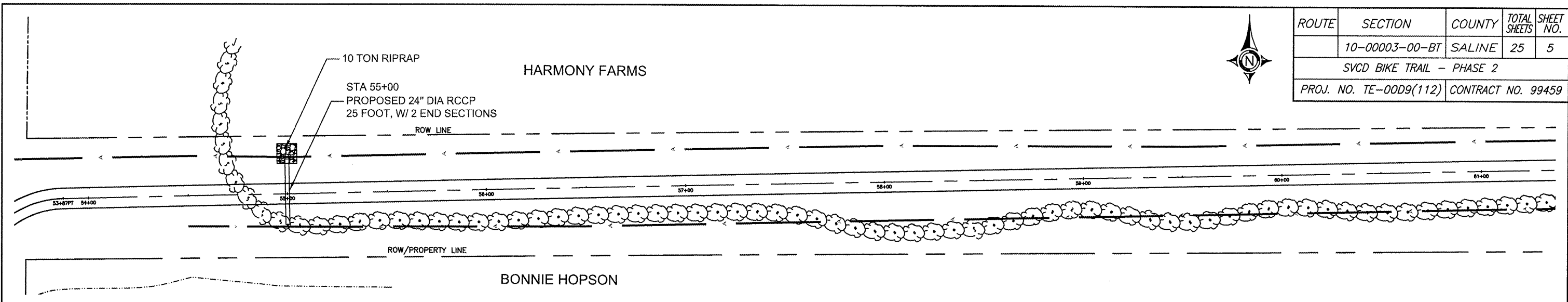


HORIZONTAL	0	25	50	365
VERTICAL	0	5	10	360
	0	25	50	355

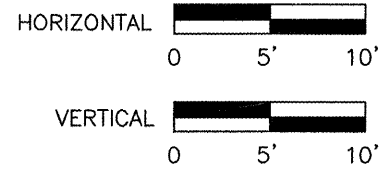
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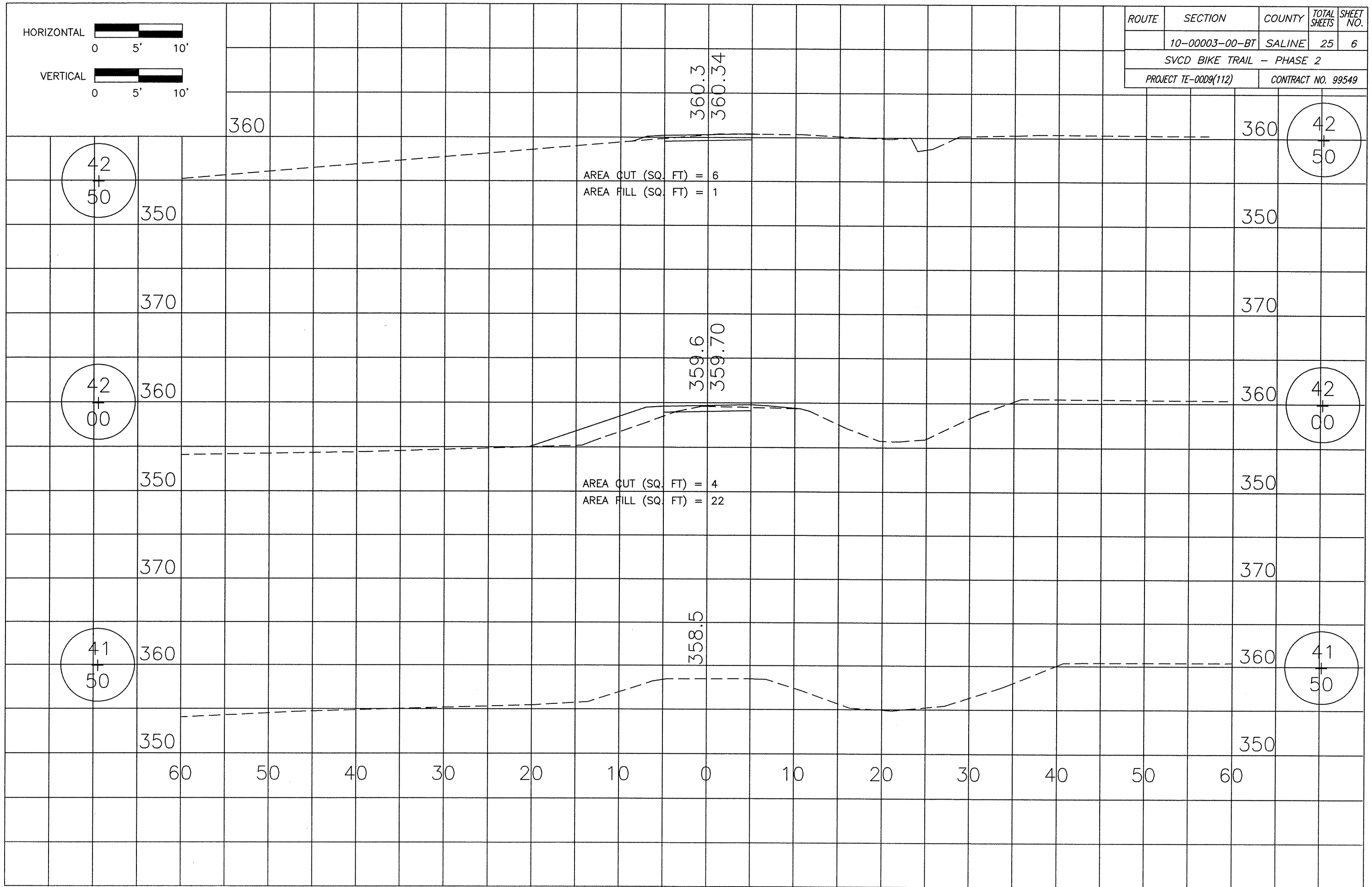
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	10-00003-00-BT	SALINE	25	5
SVCD BIKE TRAIL - PHASE 2				
PROJ. NO. TE-0009(112)			CONTRACT NO. 99459	

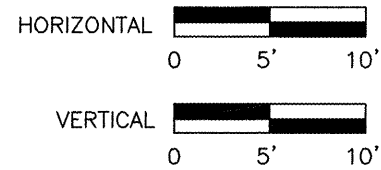


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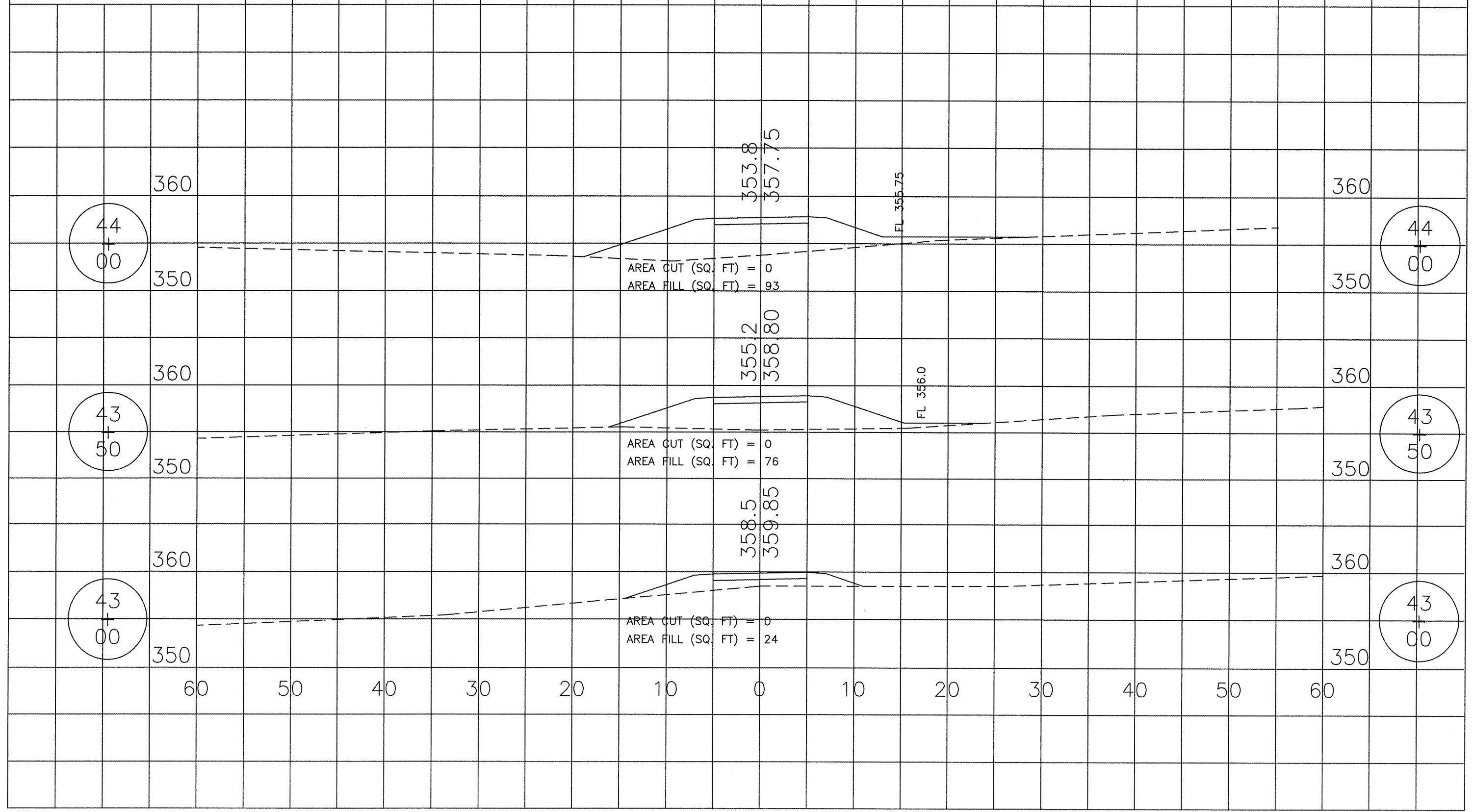


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SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)		CONTRACT NO. 99549		





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)		CONTRACT NO. 99459		



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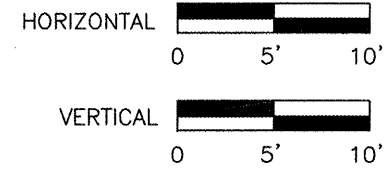
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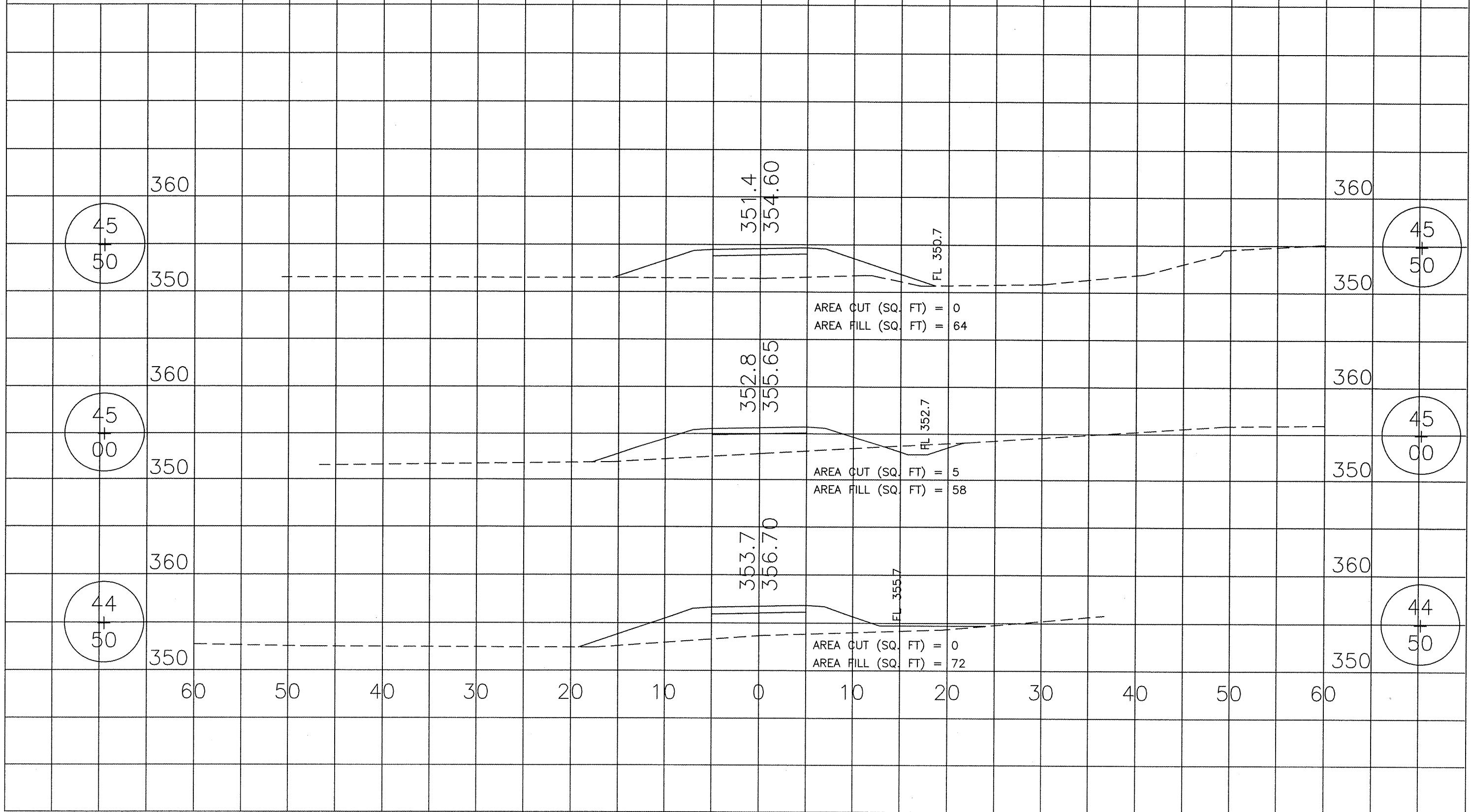
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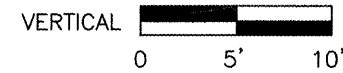
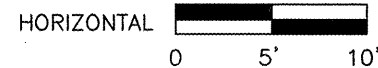
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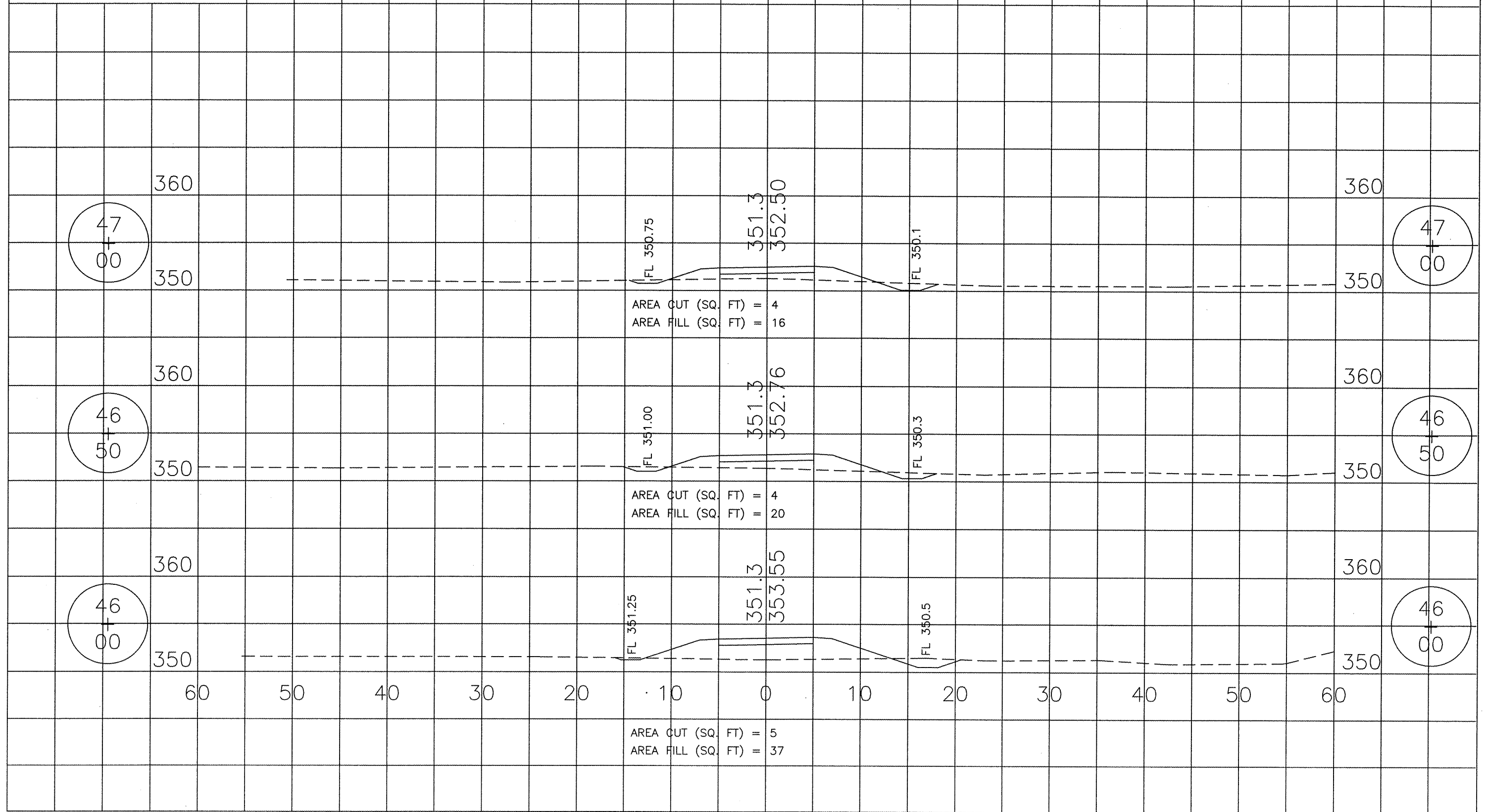
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SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	

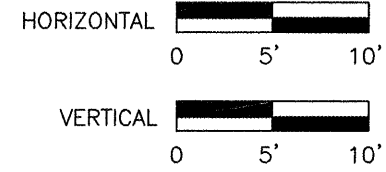




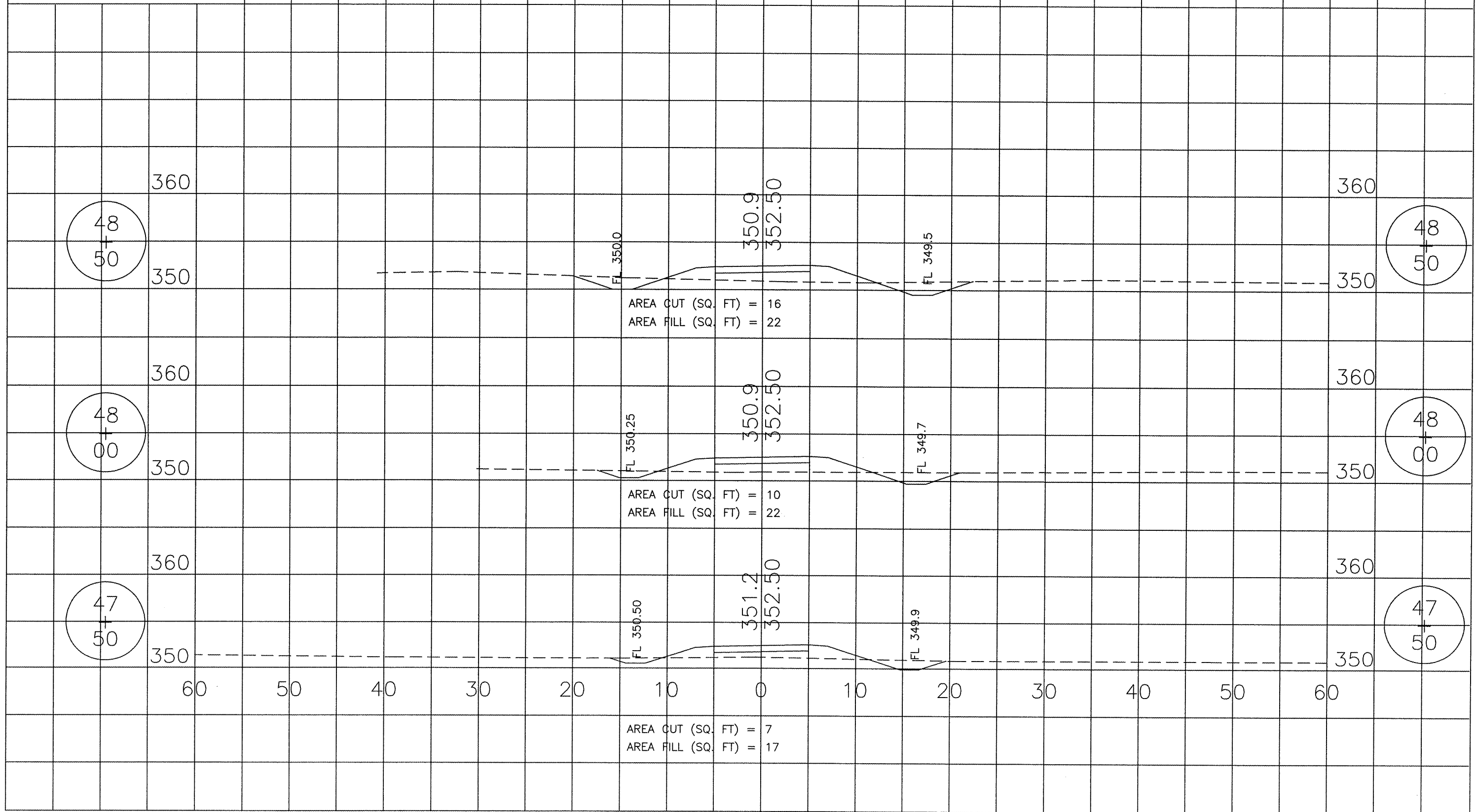


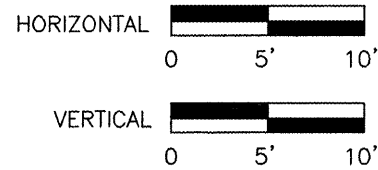
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SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	



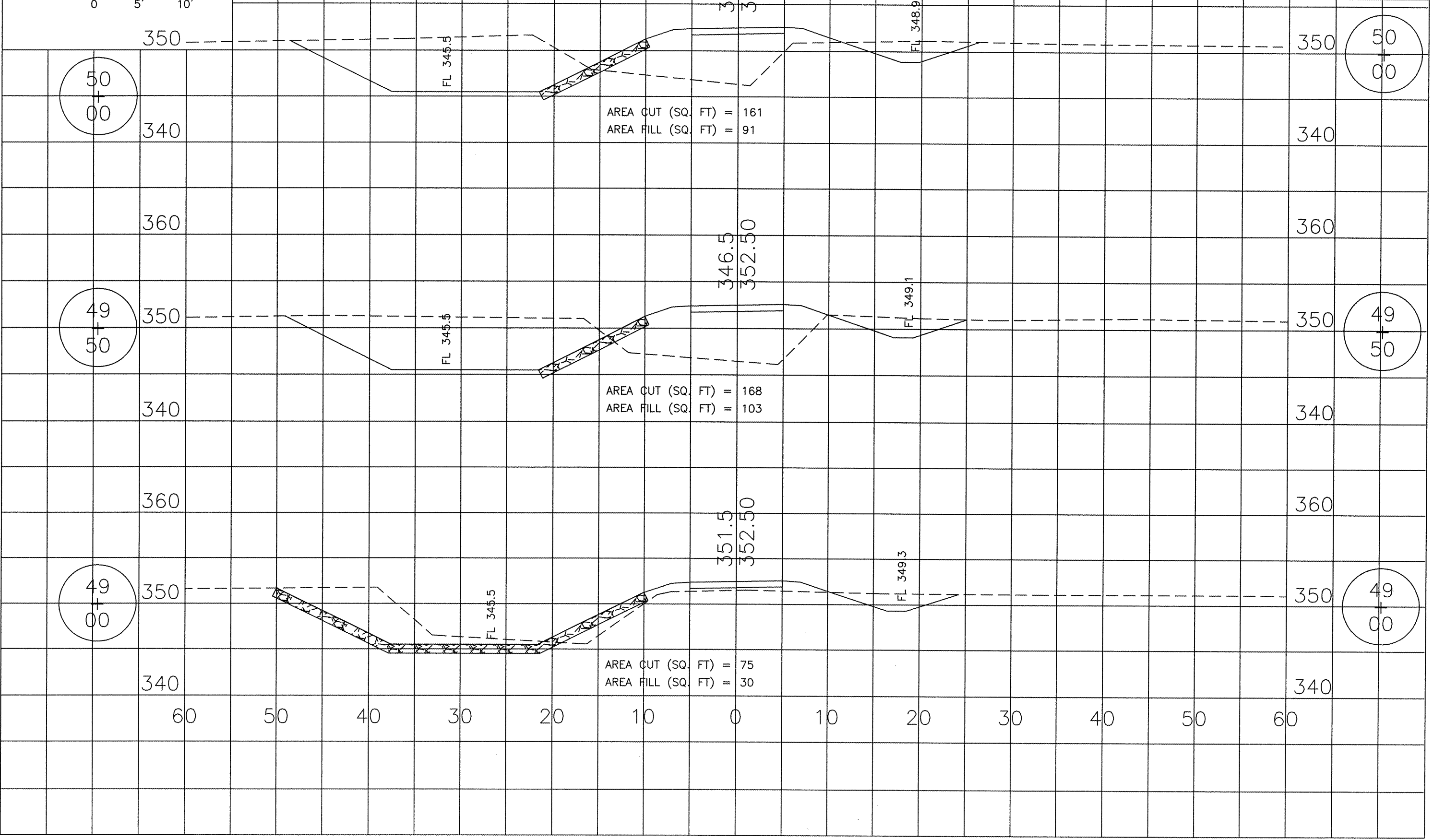


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SVCD BIKE TRAIL - PHASE 2				
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	11
SVCD BIKE TRAIL - PHASE 2				
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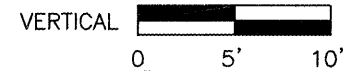
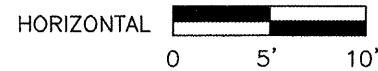
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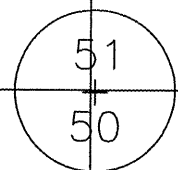
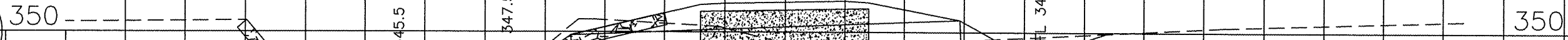
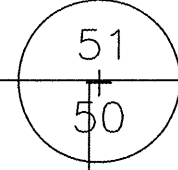
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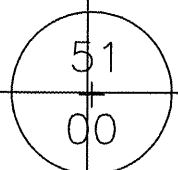
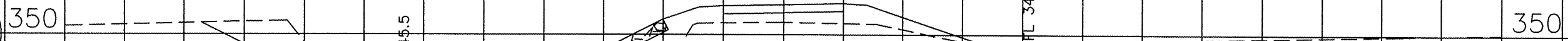
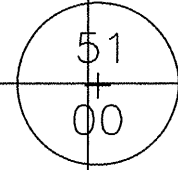
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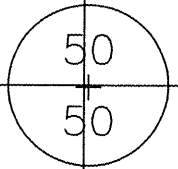
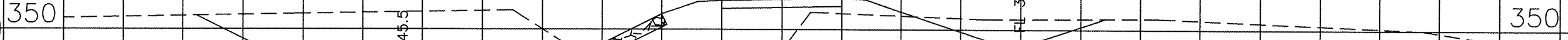
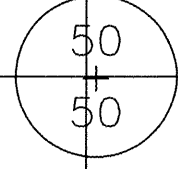
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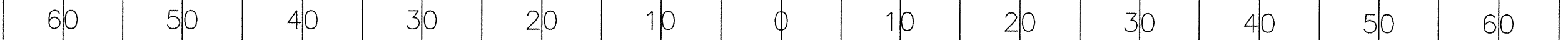
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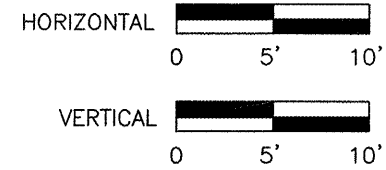


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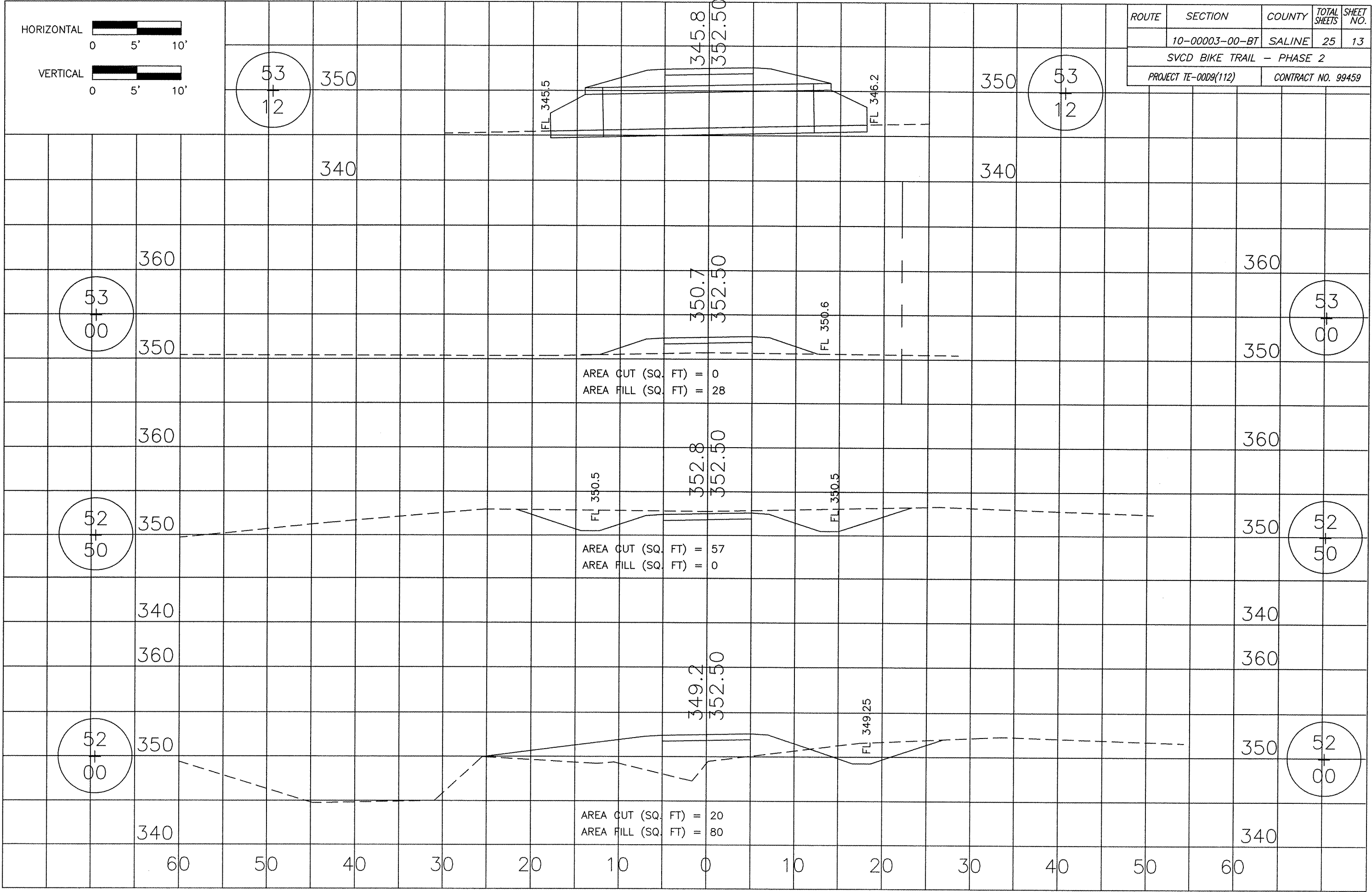


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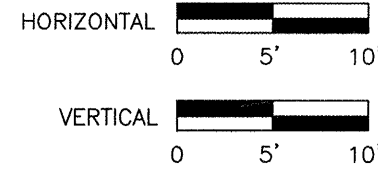




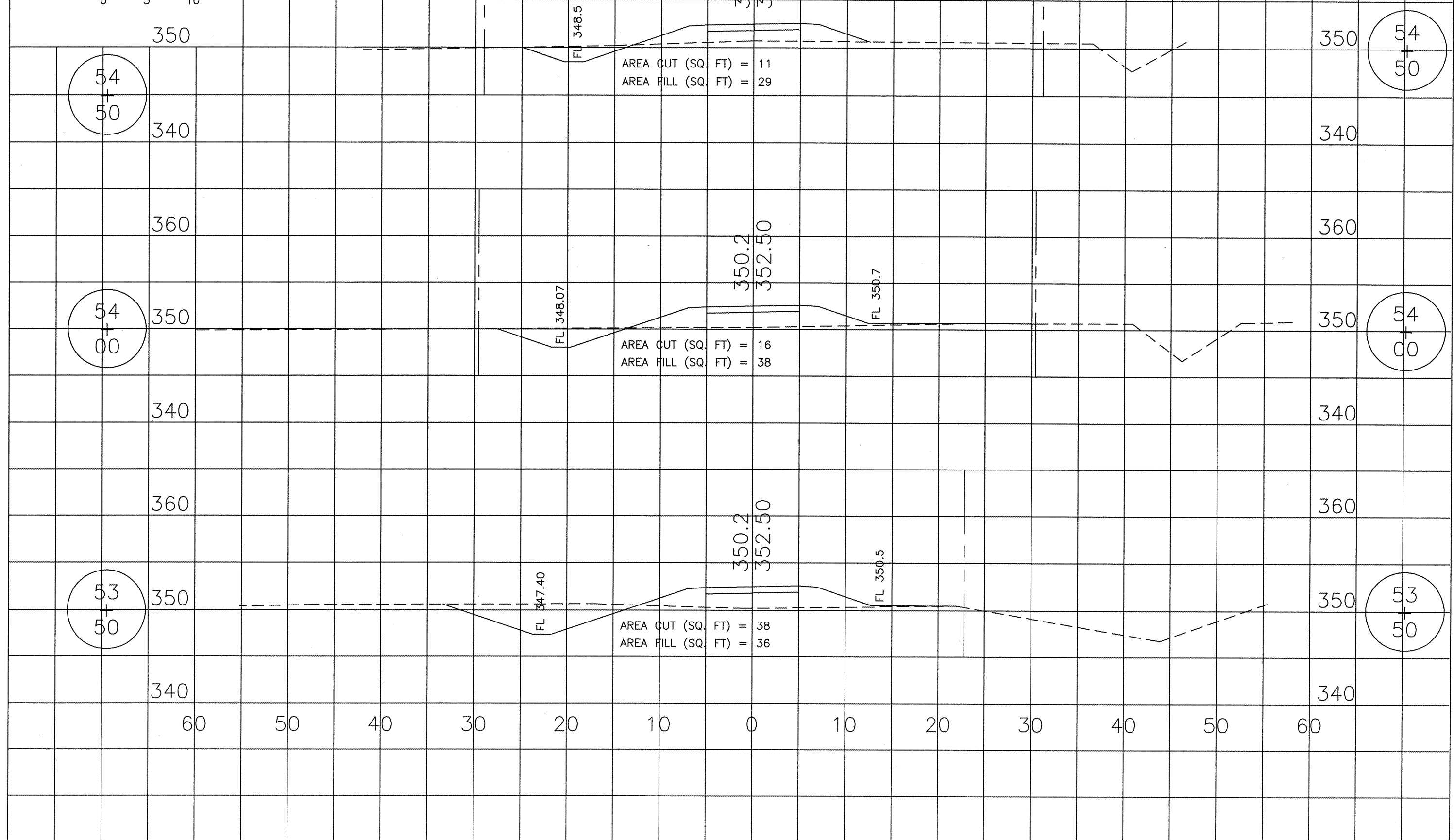
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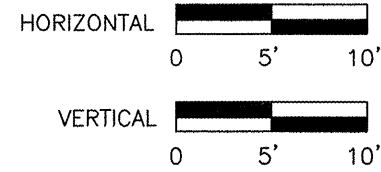




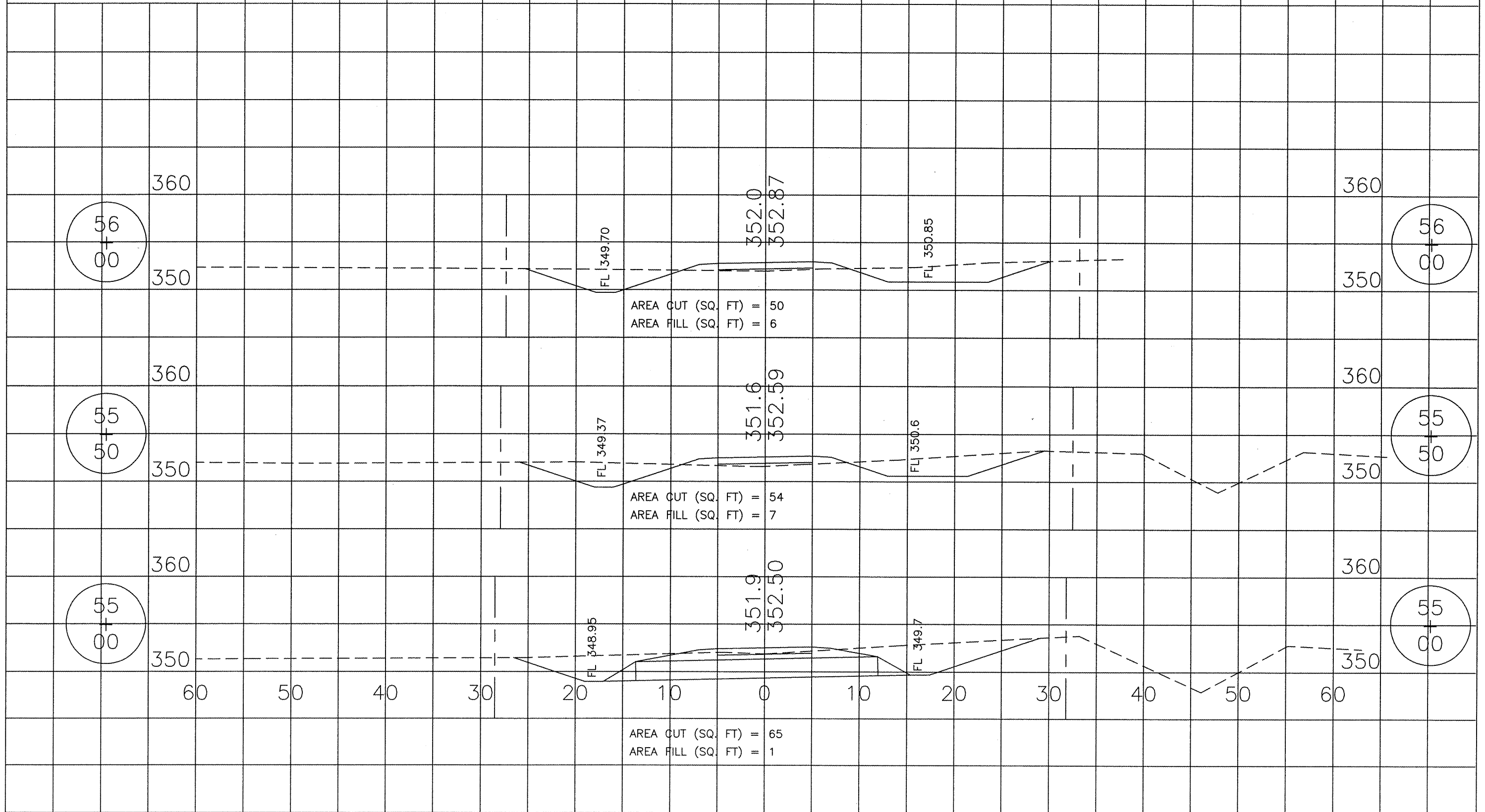


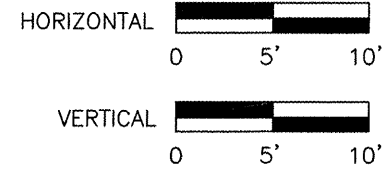
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SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	



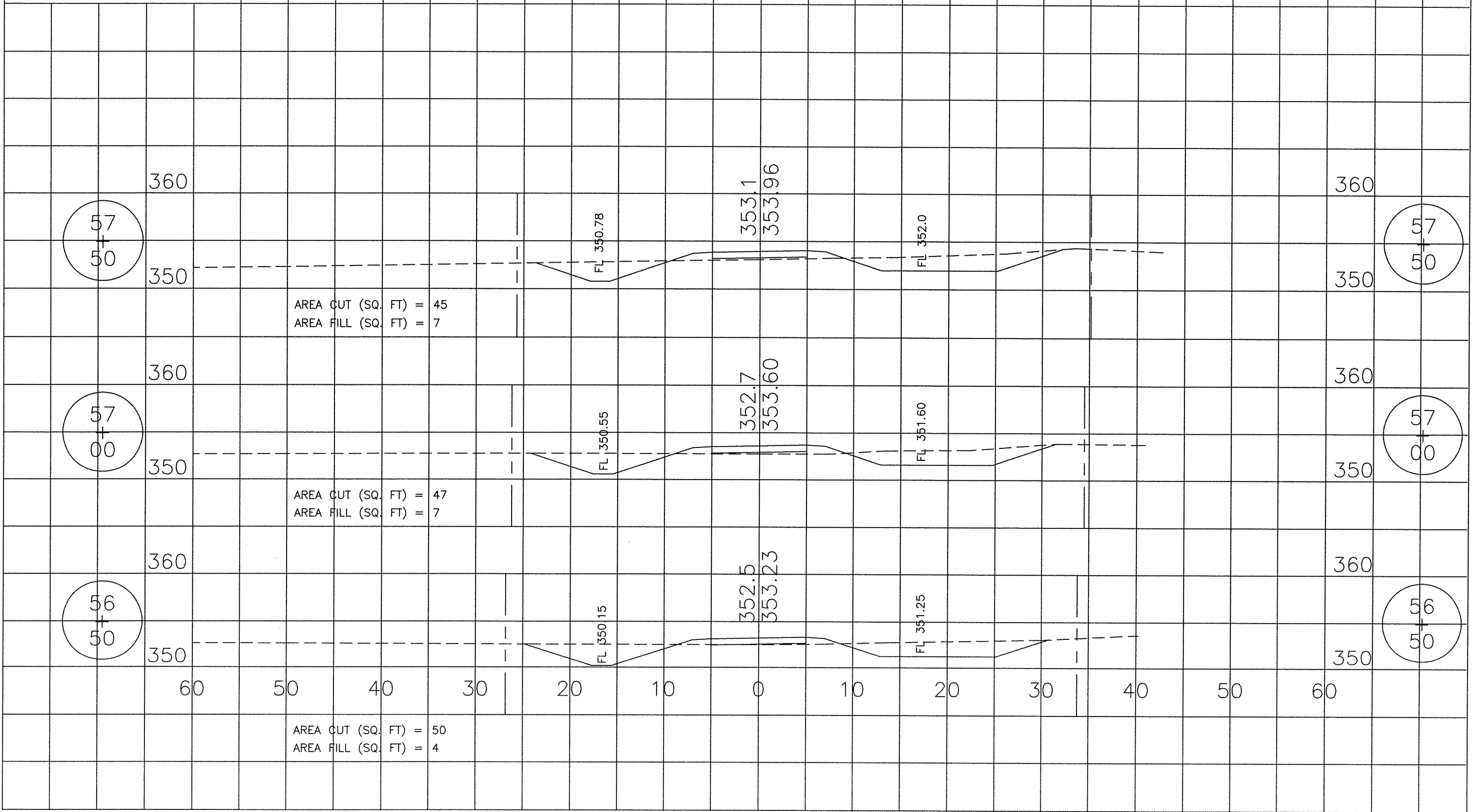


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SVCD BIKE TRAIL -- PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	16
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	



57  
+  
50

57  
+  
50

57  
+  
00

57  
+  
00

56  
+  
50

56  
+  
50

AREA CUT (SQ. FT) = 45  
AREA FILL (SQ. FT) = 7

AREA CUT (SQ. FT) = 47  
AREA FILL (SQ. FT) = 7

AREA CUT (SQ. FT) = 50  
AREA FILL (SQ. FT) = 4

FL 350.78

353.1  
353.96

FL 352.0

FL 350.55

352.7  
353.60

FL 351.60

FL 350.15

352.5  
353.23

FL 351.25

360

350

360

350

360

350

360

350

360

350

360

350

60

50

40

30

20

10

0

10

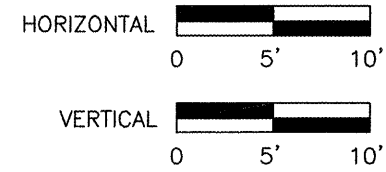
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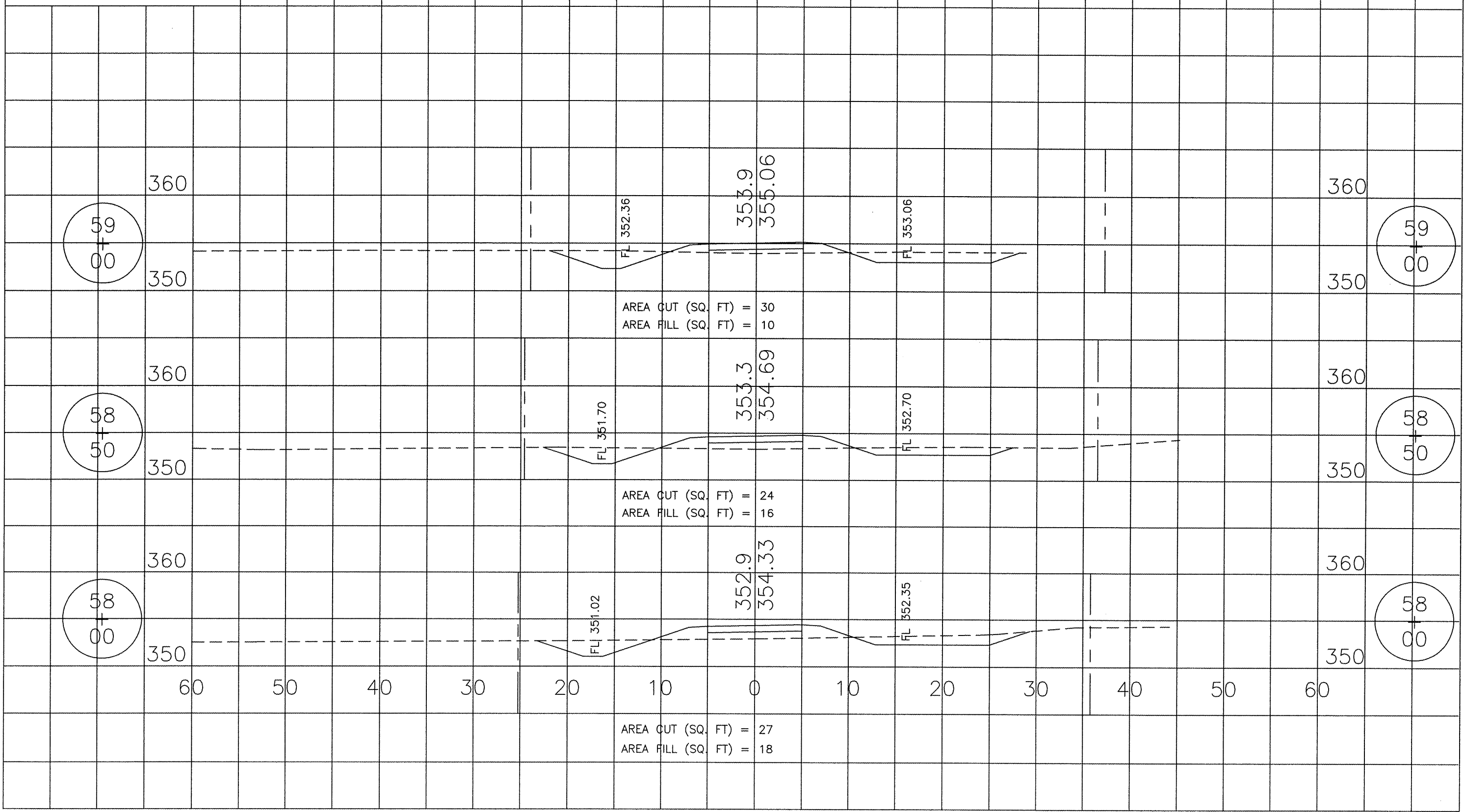
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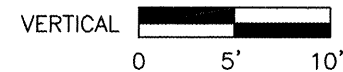
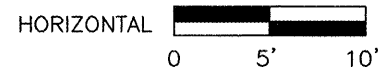
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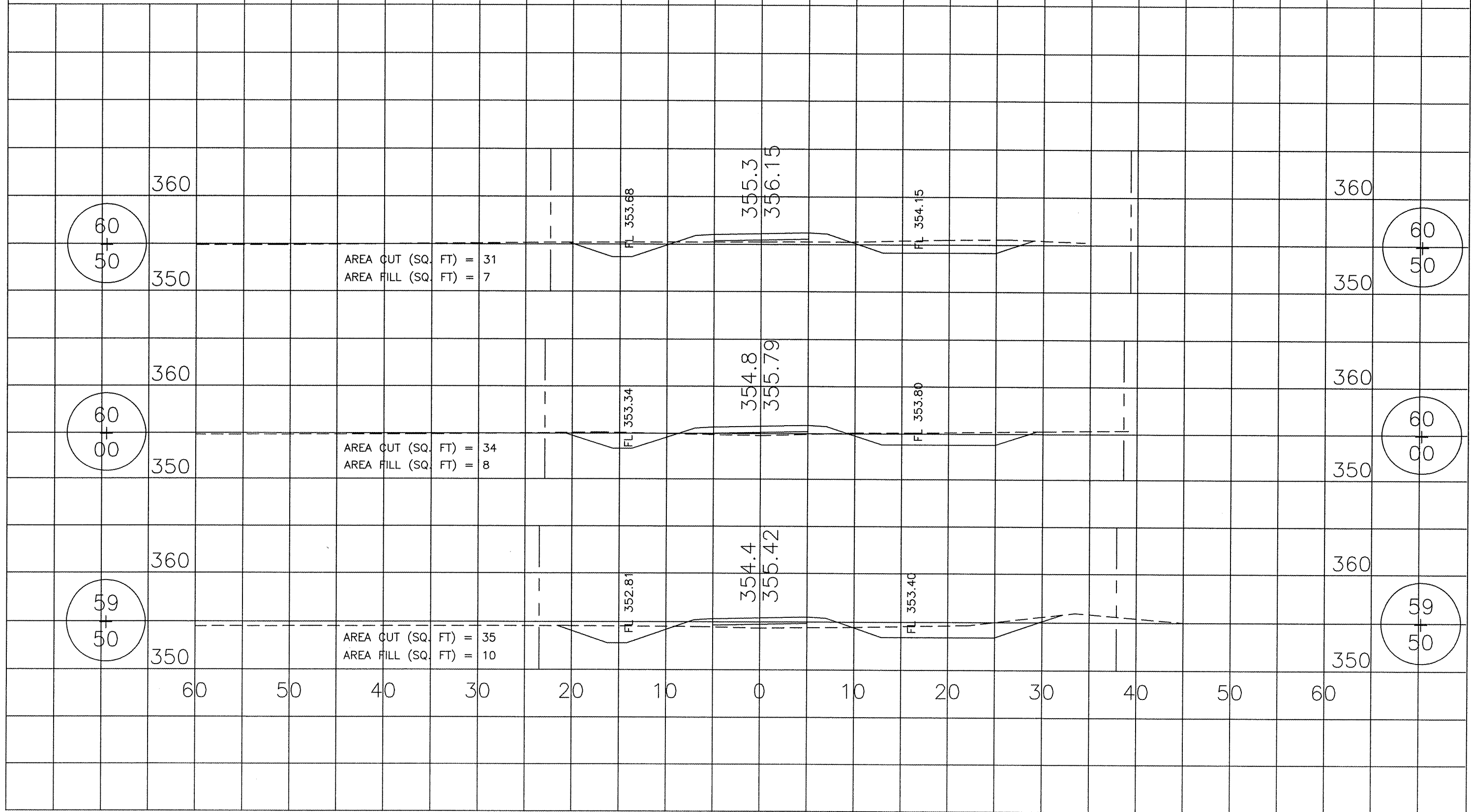


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	

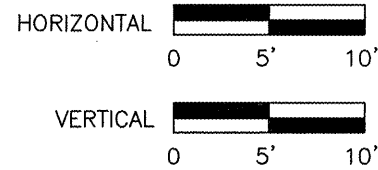




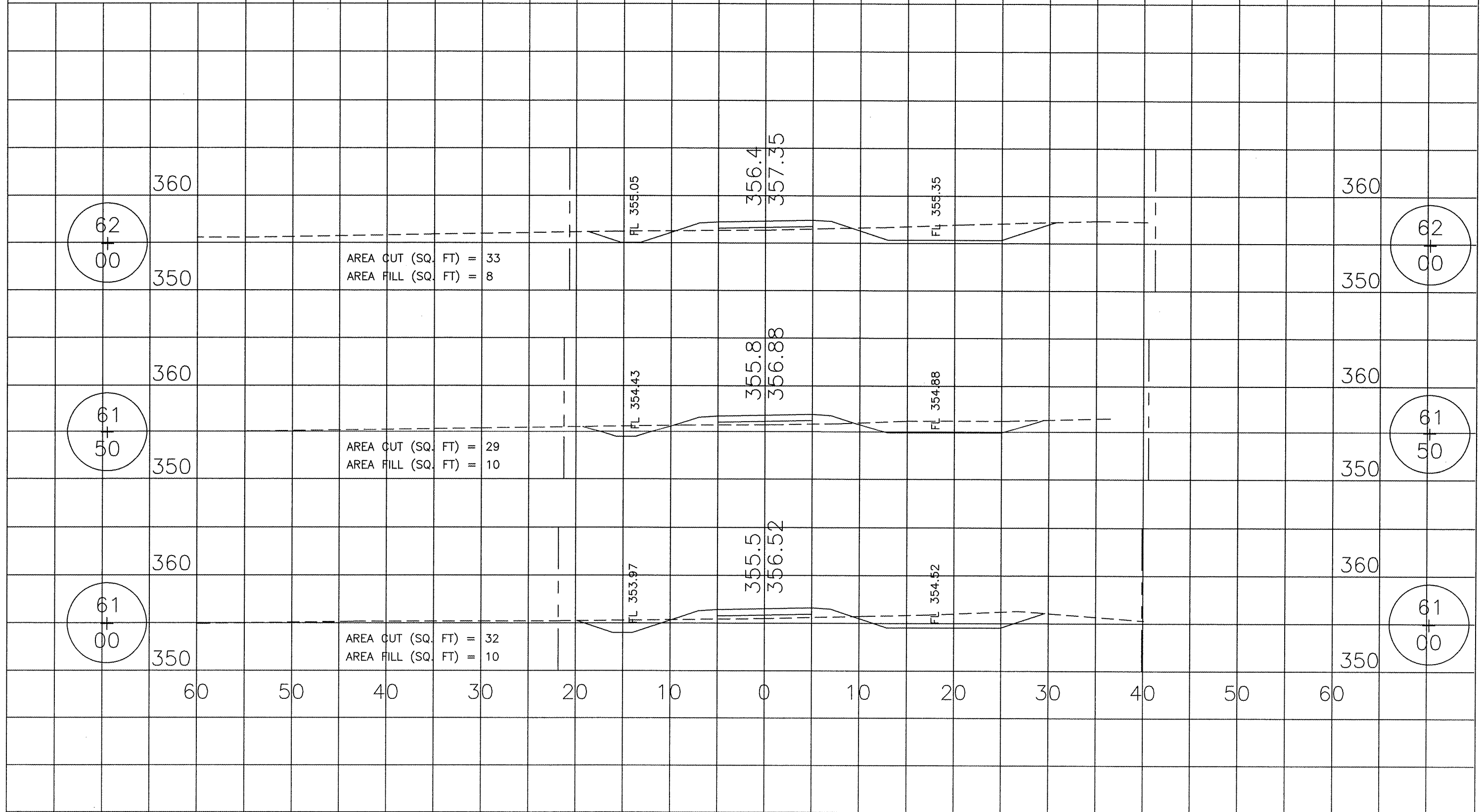
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	18
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	

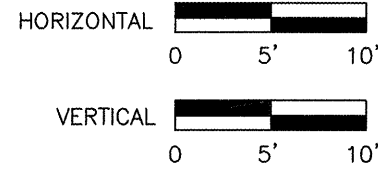




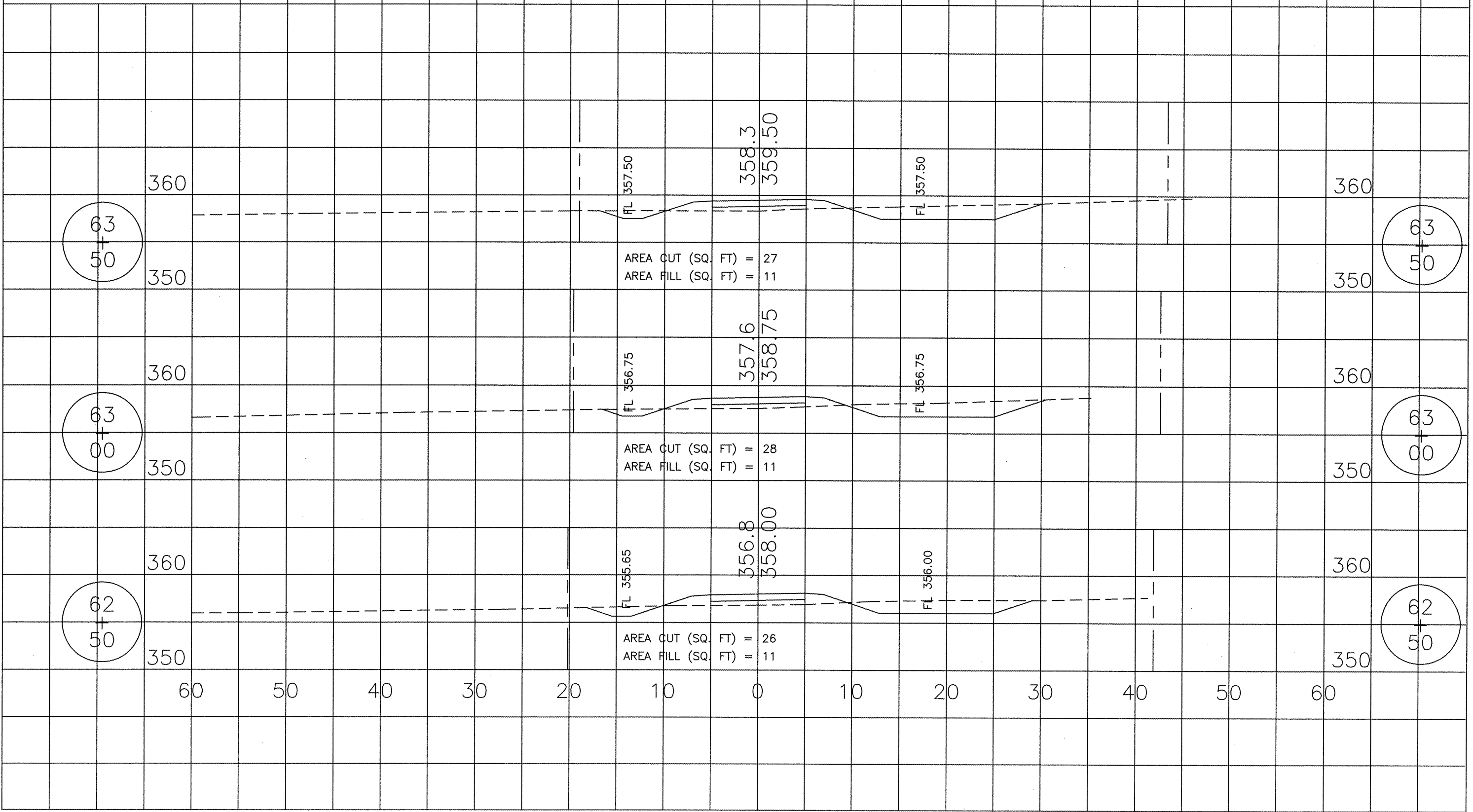


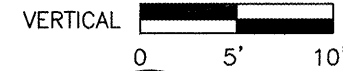
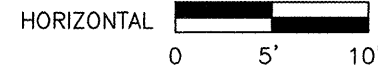
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	10-00003-00-BT	SALINE	25	19
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	



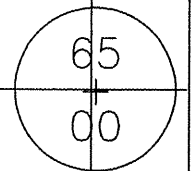
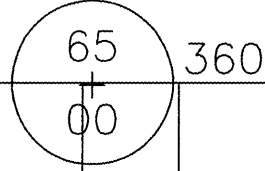


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	20
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	



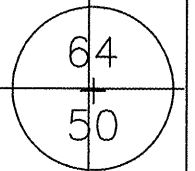
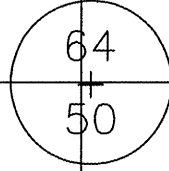


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	21
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	



AREA CUT (SQ. FT) = 0  
 AREA FILL (SQ. FT) = 15

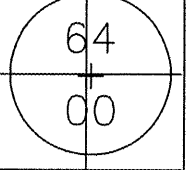
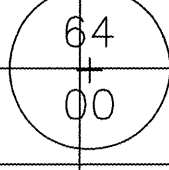
360.5  
 361.75



AREA CUT (SQ. FT) = 14  
 AREA FILL (SQ. FT) = 7

360.1  
 361.00

FL 359.00

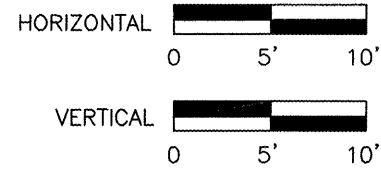


AREA CUT (SQ. FT) = 13  
 AREA FILL (SQ. FT) = 6

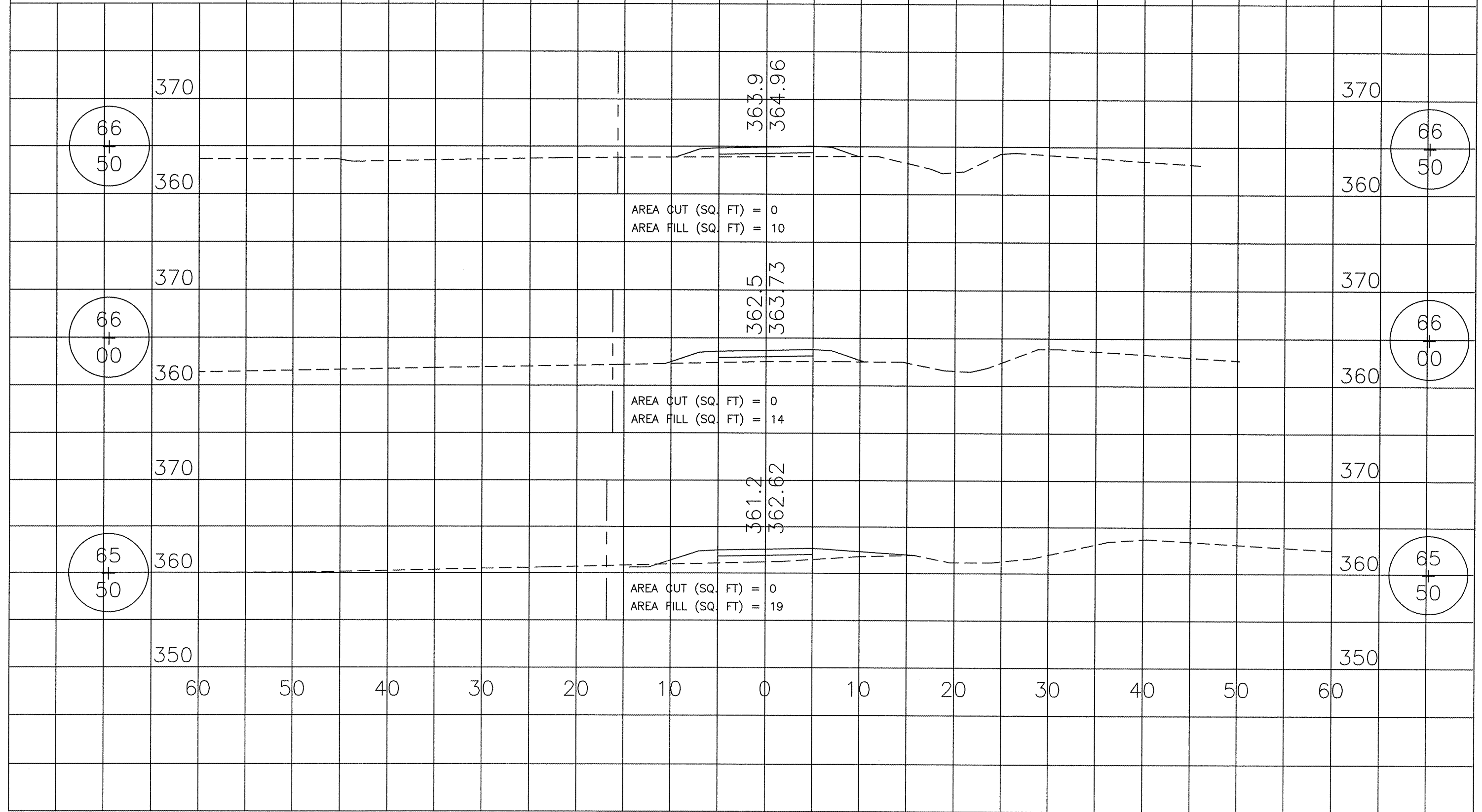
359.3  
 360.25

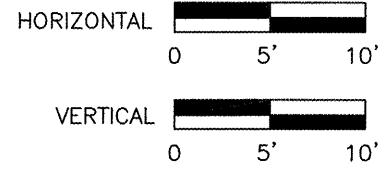
FL 358.25

60 50 40 30 20 10 0 10 20 30 40 50 60

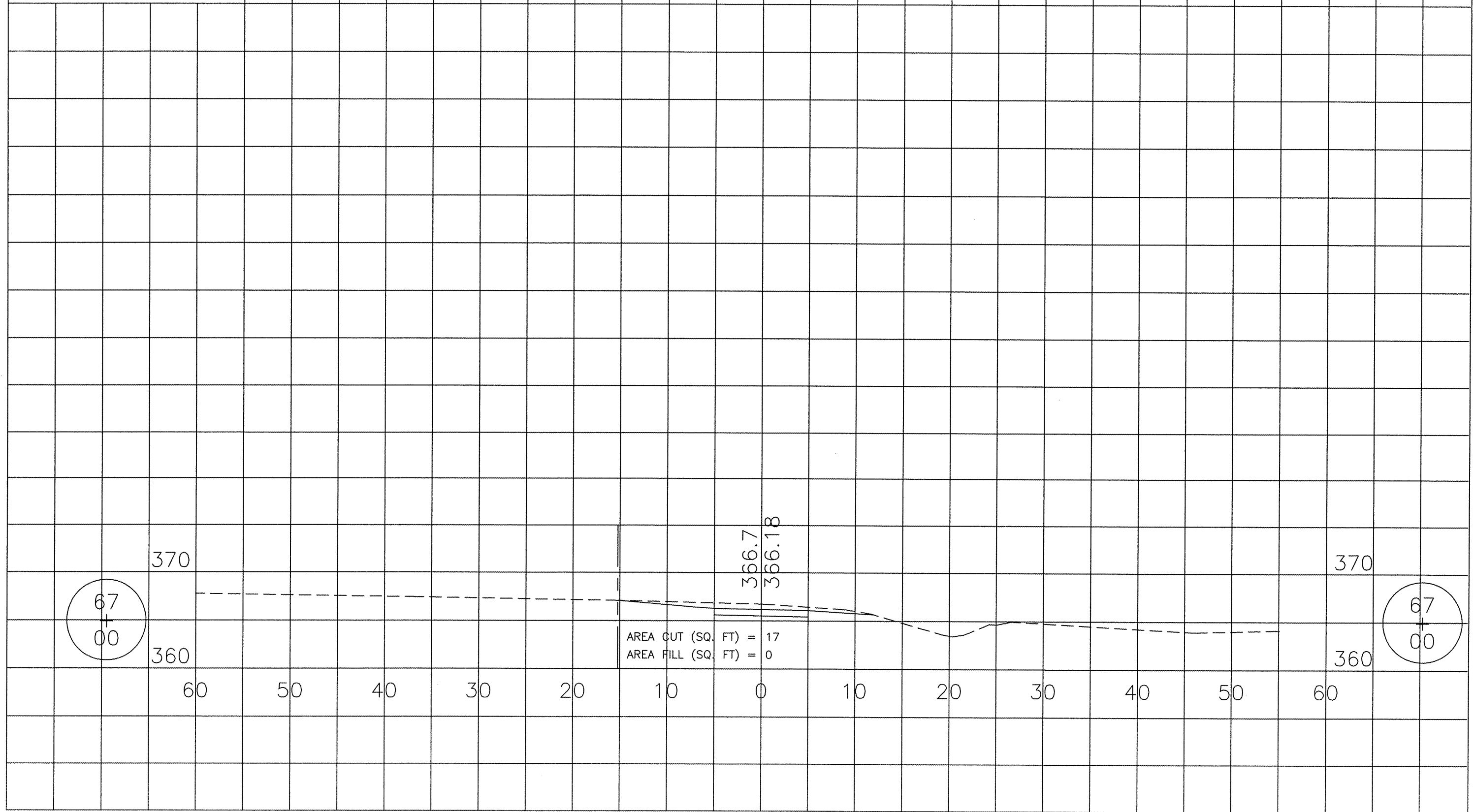


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	22
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	23
SVCD BIKE TRAIL - PHASE 2				
PROJECT TE-0009(112)			CONTRACT NO. 99459	





## 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. Culverts and Drainage Structures.
3. Excavation and grading.
4. Placement of Aggregate Base Course.
5. Placement of surface material.
6. Seeding and permanent erosion control systems.

## AREA OF CONSTRUCTION SITE

1. The total area of the construction site is estimated to be 3.6 Acres of which approximately 3.6 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

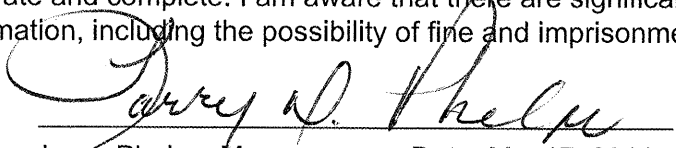
1. Proposed storm sewer outlets are tributary to existing roadside ditches. No new discharge points will be constructed.

### 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: May17, 2011

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00003-00-BT	SALINE	25	24
SVCD BIKE TRAIL - PHASE 2				
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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.
	10-00003-00-BT	SALINE	25	25
SVCD BIKE TRAIL - PHASE 2				
PROJ. NO. TE-0009(112)			CONTRACT NO. 99459	