

CITY OF ELDORADO

Set No.

Mayor and City Council

- Rocky James**
Mayor
- James Morris**
Commissioner
- Keith Bean**
Commissioner
- Jeff Minor**
Commissioner
- Robert Price**
Commissioner
- Pat Mahoney**
City Clerk
- Stacy James**
Treasurer

PLANS FOR ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM

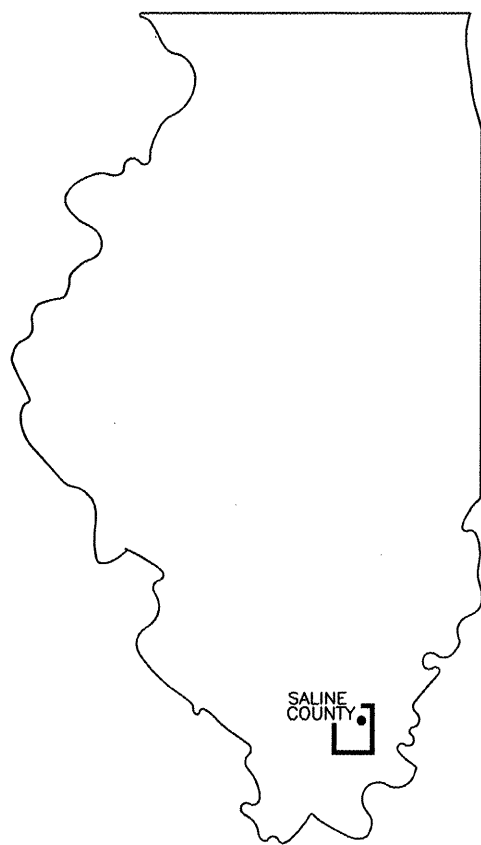
**JOB NO. C-99-547-08
PROJECT NO. TCSP-IL08(012)
SECTION 08-00037-00-BT**

INDEX OF SHEETS

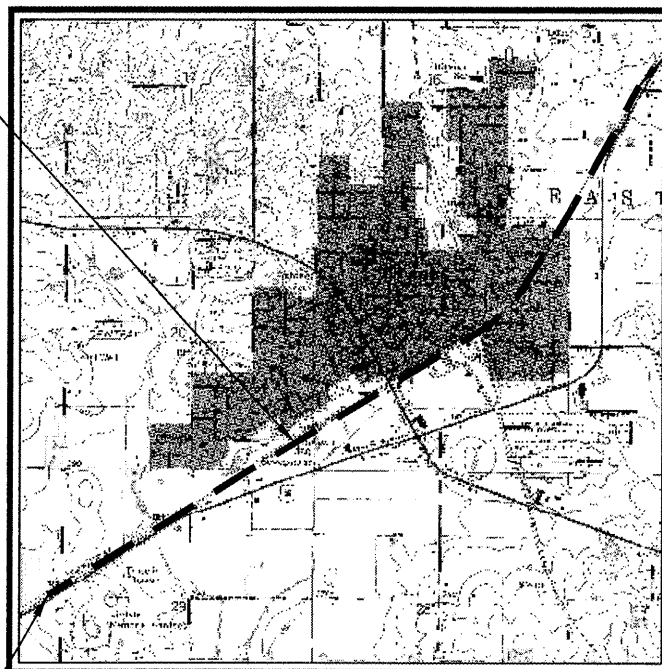
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STANDARDS

- 001001-02 AREAS OF REINFOR REBARS
- 280001-04 TEMP EROS CNTRL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALK
- 515001-03 NAME PLATE FOR BRIDGES
- 542301-02 PRECAST REINF CONC FLARED END SECT
- 701306-02 LN CLOSURE 2L2W - SLOW MOVING
- 701422-02 LN CLOSURE MULTI LANE - 45-55 MPH
- 701501-05 URBAN LN CLOSURE 2L2W - UNDMDED
- 701901-01 TRAF CNTRL DEVICES
- 720001-01 SIGN PANEL MOUNT DETAILS
- 720006-02 SIGN PANEL ERECT DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT



PROPOSED IMPROVEMENTS



END STATION
428+85

CONTRACT NO. 99345

BEGIN STATION 271+35.5

LOCATION MAP NO SCALE
LENGTH OF IMPROVEMENT = 15,750 FEET (2.98 MILES)

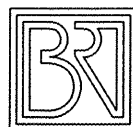
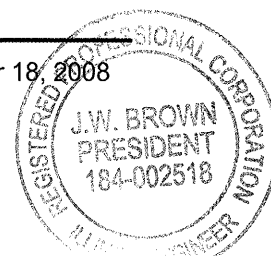
UTILITIES

CITY OF ELDORADO WATER AND SEWER DEPARTMENT
VERIZON TELEPHONE COMPANY
ILLINOIS POWER COMPANY
SOUTHEASTERN ILLINOIS ELECTRIC CO-OP.

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

Jim W. Brown
Jim W. Brown as President of

December 18, 2008
Illinois Professional Design Firm
Land Survey & Prof. Eng. Corp
Number 184-002518
Expires April 30, 2009



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

CITY OF ELDORADO

APPROVED December 19, 2008
Rocky D. James
MAYOR, CITY OF ELDORADO

PASSED DECEMBER 29, 2008
Keith Wiley
DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW
DEC. 30, 2008
Mary C. Lamie
MARY C. LAMIE, P.E.
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

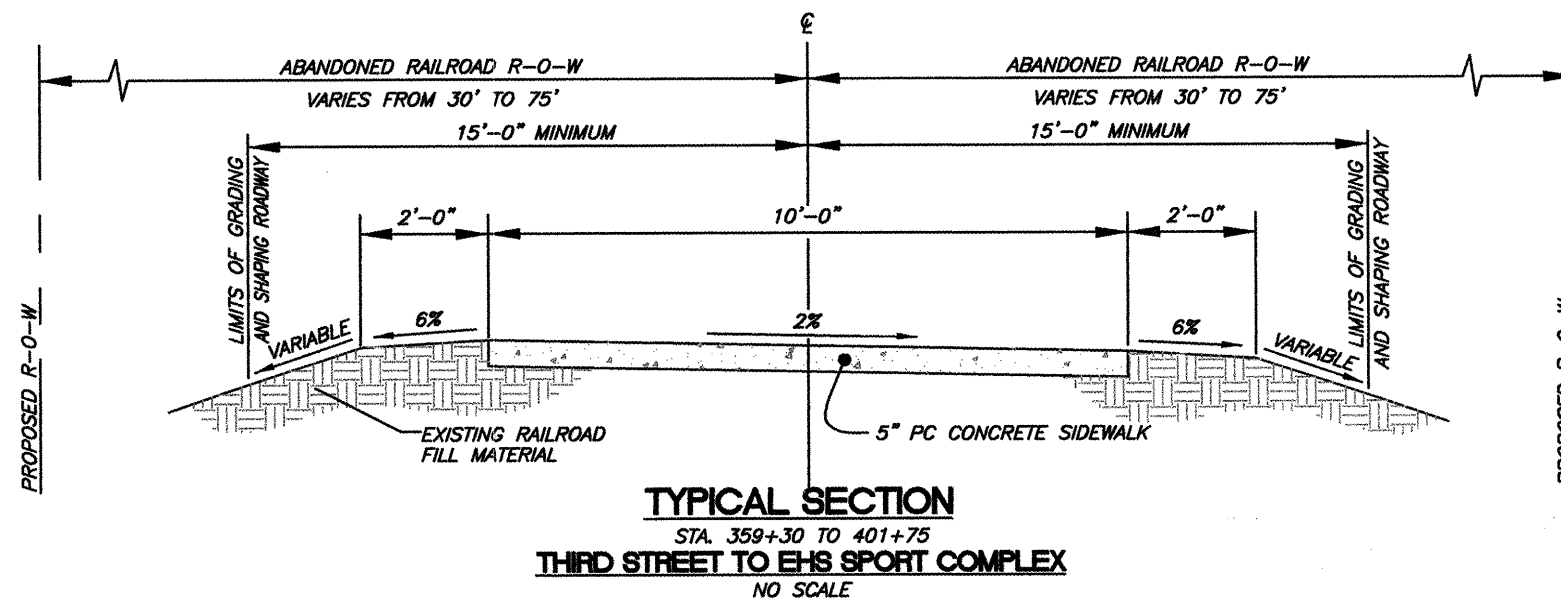
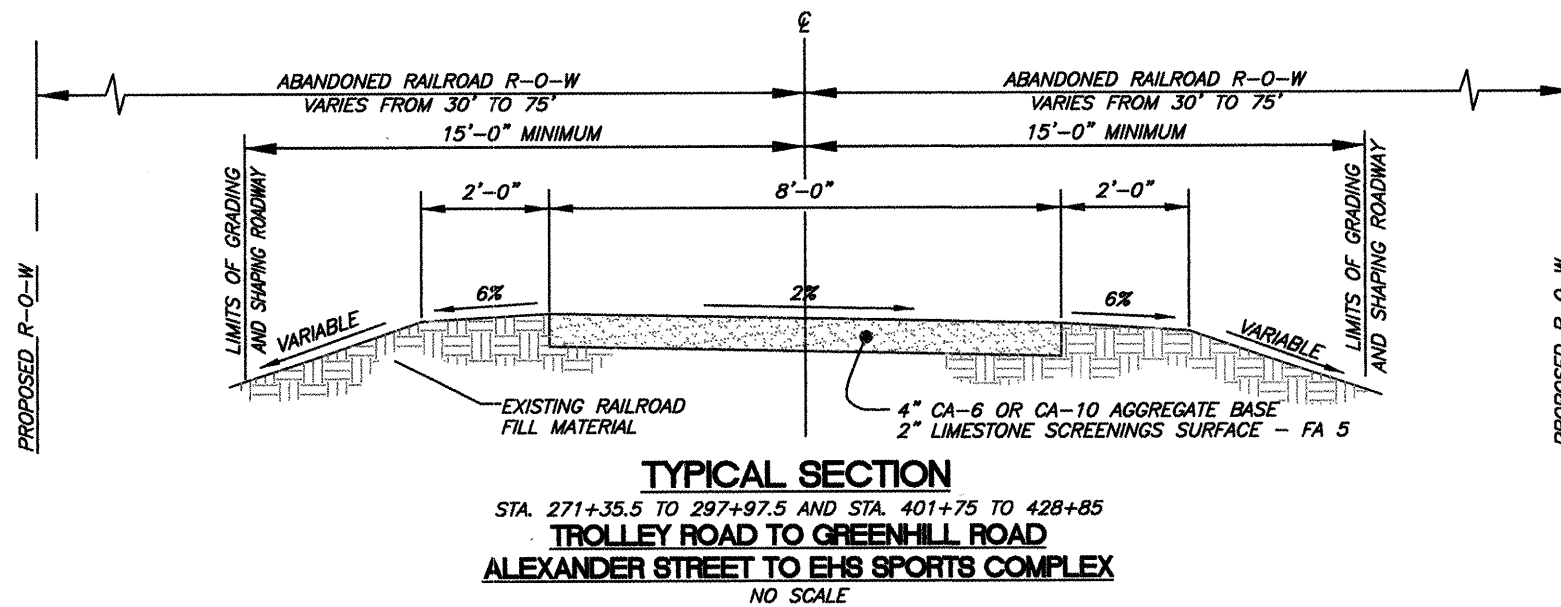
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B.R.I. JOB NO. 05-138

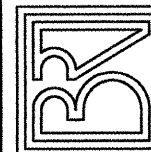
SUMMARY OF QUANTITIES

CODE NO.	CONSTRUCTION TYPE CODE ITEM	Y047 UNIT	QUANTITY
*20201000	GRADING & SHAP RDWAY	UNIT	70
20800150	TRENCH BACKFILL	CU YD	13.4
25001000	SEEDING CL 2 SPL	ACRE	4.7
28000250	TEMP EROS CONTR SEED	POUND	705
28000300	TEMP DITCH CHECKS	EACH	20
28000400	PERIMETER EROS BAR	FOOT	1500
28100807	STONE DUMP RIP CL A4	TON	90
*42400430	PC CONC SIDEWALK 5 SP	SQ FT	44083
42400800	DETECTABLE WARNINGS	SQ FT	180
44000600	SIDEWALK REM	SQ FT	2080
50300225	CONC STRUCT	CU YD	9.4
50800105	REINFORCEMENT BARS	POUND	1200
Δ 50901720	BICYCLE RAILING	FOOT	144
51201400	FUR STL PILE HP10X42	FOOT	160
51202305	DRIVING PILES	FOOT	160
51500100	NAME PLATES	EACH	1
54200427	P CUL 1 RCCP 12	FOOT	82
54200433	P CUL 1 RCCP 18	FOOT	26
54200439	P CUL 1 RCCP 24	FOOT	30
54213657	PRC FLAR END SEC 12	EACH	6
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL T1	SQ FT	273.50
72800100	TELES STL SIN SUPPORT	FOOT	750.75
Δ 78001100	PT PVT MK LTRS & SYMB	SQ FT	631.5
Δ 78001110	PAINT PVT MK LINE 4	FOOT	1140
Δ 78001130	PAINT PVT MK LINE 6	FOOT	250
Δ 78001150	PAINT PVT MK LINE 12	FOOT	55
Δ *X0322508	PED TRUSS SUPERSTR	SQ FT	500
*XX002007	AGG BICYCLE PATH	SQ YD	2400
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

Δ SPECIALTY ITEMS



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CITY OF EL DORADO
ILLINOIS TRANSPORTATION
ENHANCEMENT PROGRAM
TYPICAL SECTIONS

Drawn By: GSS
 Checked By: MVR

Revisions
 Item Date By

Scale: AS SHOWN
 Field Bk:

Job Number: 05-138
 Date: 05/08

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PC CONCRETE SIDEWALK SCHEDULE

LOCATION	LENGTH	WIDTH	AREA (SQ FT)
271+35.5 TO 271+50.5	15	10	150
296+82.5 TO 296+97.5	15	10	150
359+30 TO 362+50	320	10	3200
362+85 TO 365+96	311	10	3110
366+27 TO 368+52	225	14.5	3263
368+63 TO 376+20	757	10	7570
376+52 TO 401+75	2523	10	25230
401+35 5' LT TO 114' LT	109	10	1090
362+37 SW LT & RT	20	4	80
362+96 SW LT & RT	20	4	80
365+83 SW LT & RT	20	4	80
376+56 SW LT & RT	20	4	80

TOTALS 44083

SIDEWALK REMOVAL SCHEDULE

LOCATION	QUANTITY (SQ. FT.)
362+37 FOURTH ST.	120.0
362+96 FOURTH ST.	120.0
365+83 VETERANS DR.	120.0
366+27 TO 368+52	1600.0
376+56	120.0

TOTAL 2080.0

CULVERT SCHEDULE

STATION	12" DIA RCCP (FOOT)	18" DIA RCCP (FOOT)	24" DIA RCCP (FOOT)	TRENCH BACKFILL (CU YD)
271+46 AR	26			2.5
292+40 AR	30			3.9
296+81 AR	26			2.6
401+35 36' LT		26		1.3
401+35 95' LT			30	3.1

TOTALS 82 26 30 13.4

PAVEMENT MARK LINE 4" SCHEDULE

LOCATION	FOOT
359+30 TO 362+50	180
362+85 TO 365+96	80
366+27 TO 368+52	60
368+63.5 TO 376+18	190
376+53 TO 401+75	630

TOTALS 1140

DETECTABLE WARNINGS SCHEDULE

LOCATION	NAME	QUANTITY SQ. FT.
THIRD STREET	DETECTABLE WARNINGS	20
FOURTH STREET	DETECTABLE WARNINGS	40
VETERANS DRIVE	DETECTABLE WARNINGS	40
BURNETT STREET	DETECTABLE WARNINGS	40
TROLLEY ROAD	DETECTABLE WARNINGS	20
GREENHILL ROAD	DETECTABLE WARNINGS	20

PROJECT TOTAL 180

PAVEMENT MARK LINE 12" SCHEDULE

LOCATION	QUANTITY (FOOT)
STA. 271+40 LT.	5.0
STA. 296+90 RT.	5.0
STA. 359+35 LT.	5.0
STA. 362+45 RT.	5.0
STA. 362+90 LT.	5.0
STA. 365+90 RT.	5.0
STA. 366+30 LT.	5.0
STA. 368+50 RT.	5.0
STA. 368+65 LT.	5.0
STA. 376+15 RT.	5.0
STA. 376+60 LT.	5.0

TOTAL 55.0

PAVEMENT MARK LINE 6" SCHEDULE

LOCATION	TYPE	QUANTITY (FOOT)
FOURTH STREET	CROSSWALK	68.0
VETERANS DRIVE	CROSSWALK	60.0
BURNETT STREET	CROSSWALK	70.0
TROLLEY ROAD	CROSSWALK	52.0

TOTAL 250.0

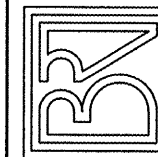
DRAINAGE STRUCTURE SCHEDULE

NUMBER	STATION	OFFSET	DESCRIPTION	FLOWLINE ELEVATION	RIPRAP (TONS)
1	271+42	18' LT	PRC FLARED END SECTION 12"	MATCH EXIST.	
2	271+53	18' RT	PRC FLARED END SECTION 12"	MATCH EXIST.	
3	291+97	20' LT	PRC FLARED END SECTION 12"	MATCH EXIST.	
4	291+97	20' RT	PRC FLARED END SECTION 12"	MATCH EXIST.	
5	296+81	18' LT	PRC FLARED END SECTION 12"	MATCH EXIST.	
6	296+81	18' RT	PRC FLARED END SECTION 12"	MATCH EXIST.	

PEDESTRIAN BRIDGE 90

RIPRAP TOTAL 90

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CITY OF EL DORADO
ILLINOIS TRANSPORTATION
ENHANCEMENT PROGRAM
TYPICAL SECTIONS

Drawn By: GSS Checked By: MWR

Revisions
Item Date By

Scale: AS SHOWN Field Bk:
Job Number: 05-138 Date: 05/08

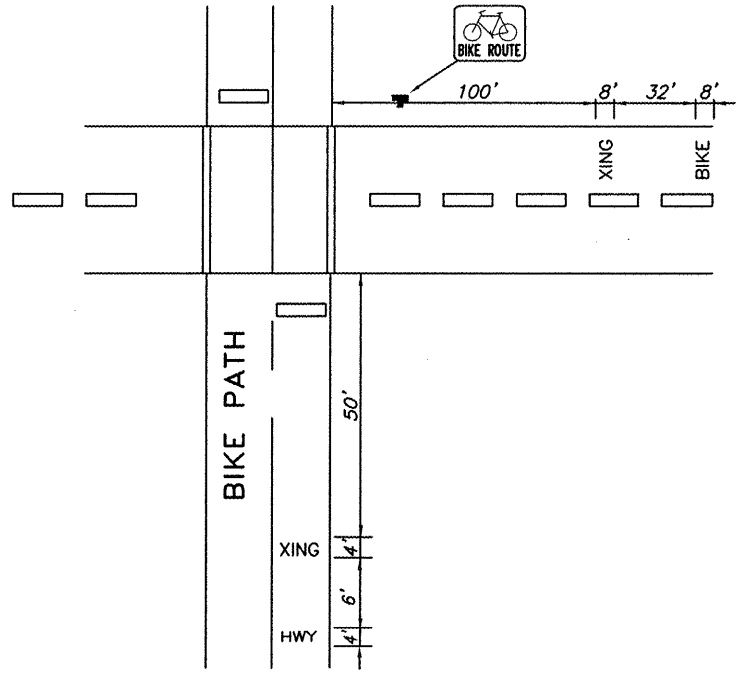
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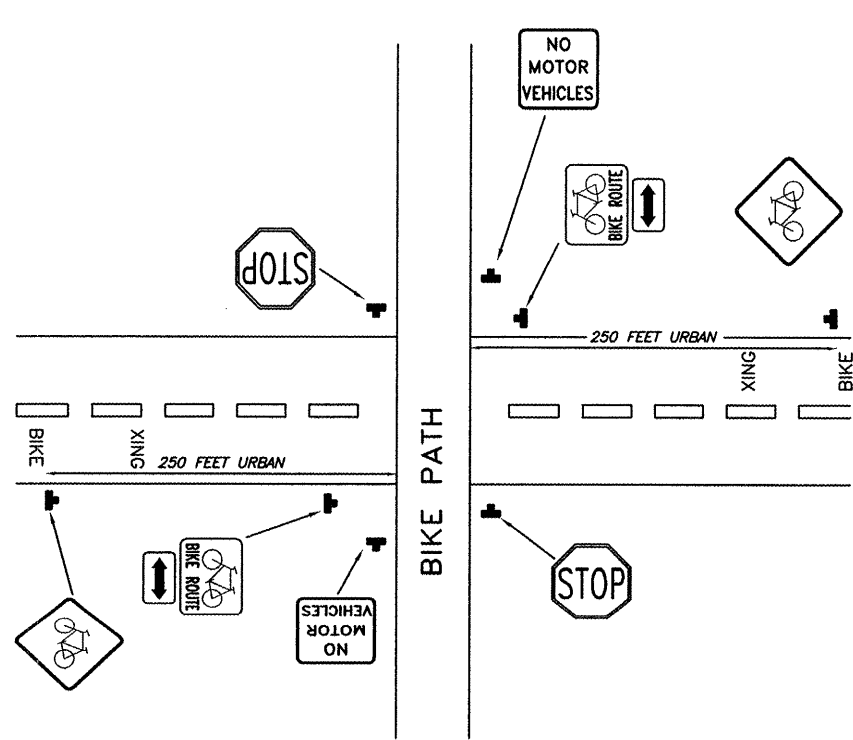
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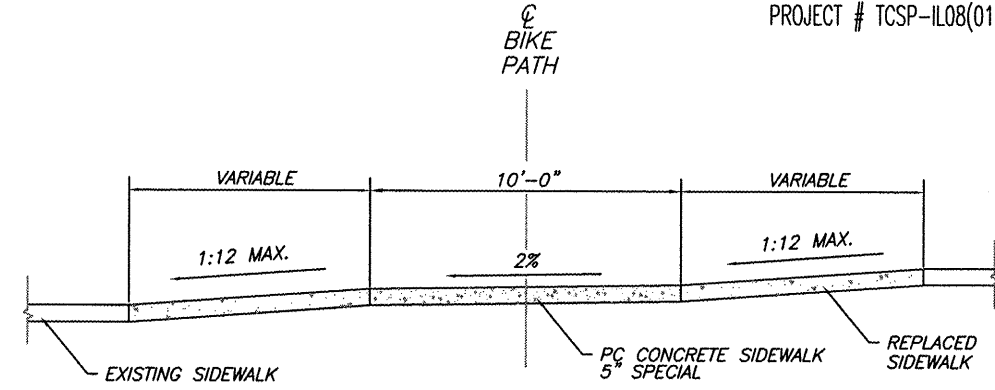
CONTRACT NO. 99345
PROJECT # TCSP-IL08(012)



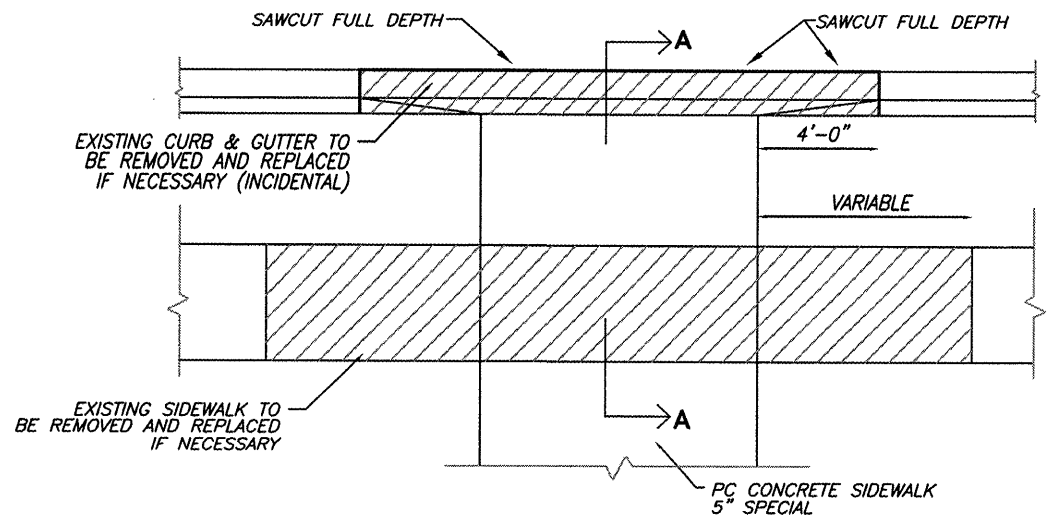
**TYPICAL STREET
INTERSECTION MARKING**
NO SCALE



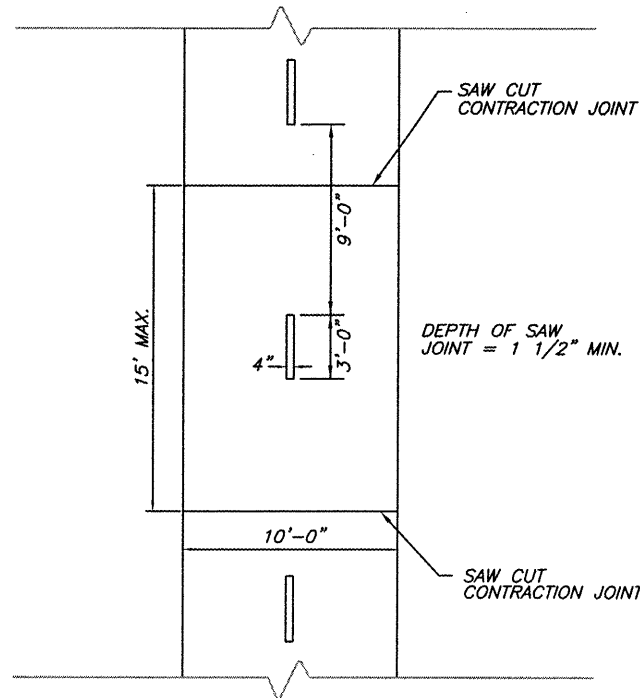
**TYPICAL SIGNING OF
BICYCLE TRAIL**
NO SCALE



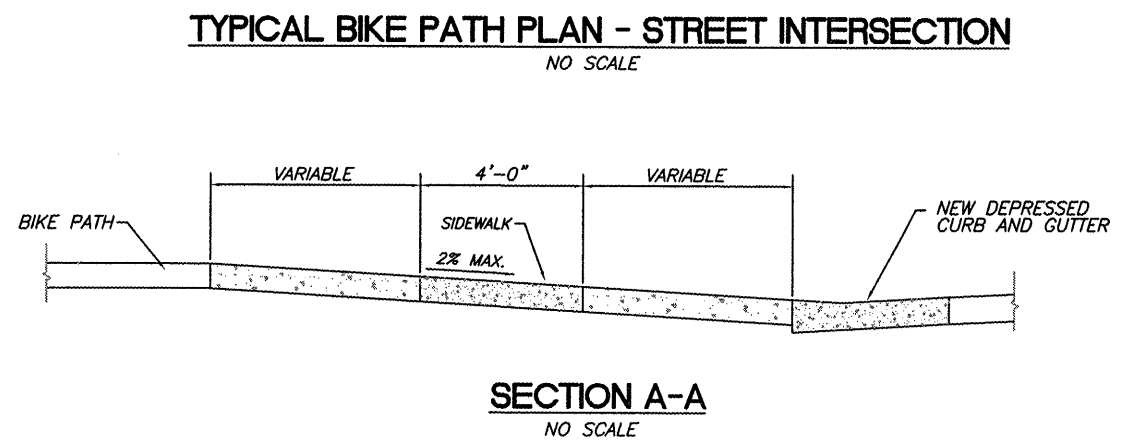
**TYPICAL BIKE PATH SECTION
AT SIDEWALK INTERSECTIONS**
NO SCALE



TYPICAL BIKE PATH PLAN - STREET INTERSECTION
NO SCALE



**TYPICAL MARKING AND SAW
JOINT SPACING DETAIL**
NO SCALE



SECTION A-A
NO SCALE

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**CITY OF ELDORADO
ILLINOIS TRANSPORTATION
ENHANCEMENT PROGRAM
MISCELLANEOUS DETAILS**

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SIGN SCHEDULE

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
STA. 245+08 LT	MILE 185 (2 SIGNS)	D10-3	6.00	13.0
RT 45, 250' W OF TROLLEY RD.	BICYCLE WARNING	W11-1	6.25	14.25
RT 45, 250' W OF TROLLEY RD.	SINGLE ARROW	M7-1	0.75	-
STA. 271+40 LT	STOP SIGN	R1-1	2.25	11.5
STA. 271+40 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
TROLLEY ROAD LT	BICYCLE WARNING	W11-1	6.25	13.5
TROLLEY ROAD LT	BIKE ROUTE	D11-1	3.00	14.25
TROLLEY ROAD LT	DOUBLE ARROW	M7-5	0.75	-
TROLLEY ROAD RT	BICYCLE WARNING	W11-1	6.25	13.5
TROLLEY ROAD RT	BIKE ROUTE	D11-1	3.00	14.25
TROLLEY ROAD RT	DOUBLE ARROW	M7-5	0.75	-
RT 45, 250' E OF TROLLEY RD.	BICYCLE WARNING	W11-1	6.25	14.25
RT 45, 250' E OF TROLLEY RD.	SINGLE ARROW	M7-1	0.75	-
STA. 296+90 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 296+90 RT	STOP SIGN	R1-1	2.25	11.5
STA. 297+50 LT	BIKE ROUTE	D11-1	3.00	12.25
STA. 297+50 LT	SINGLE ARROW	M7-1	0.75	-
STA. 297+50 RT	GREENHILL ROAD	D1-1C	0.75	10.5
STA. 297+80 RT	BIKE ROUTE	D11-1	3.00	12.25
STA. 297+80 RT	SINGLE ARROW	M7-1	0.75	-
STA. 297+80 RT	ELDORADO	D1-1C	0.75	10.5
STA. 297+88 LT	MILE 184 (2 SIGNS)	D10-3	6.00	13.0
STA. 299+00 RT	BICYCLE WARNING	W11-1	6.25	15.5
STA. 299+00 RT	SHARE THE ROAD	W16-1	3.0	-
STA. 304+00 LT	BICYCLE WARNING	W11-1	6.25	13.5
STA. 304+00 LT	SHARE THE ROAD	W16-1	3.0	-
STA. 305+67 RT	DOUBLE ARROW	M7-5	0.75	-
STA. 305+70 30' RT	BICYCLE WARNING	W11-1	6.25	14.25
STA. 305+70 30' RT	DOUBLE ARROW	M7-5	0.75	-
STA. 310+00 LT	SHARE THE ROAD	W16-1	3.0	15.5
STA. 310+00 LT	BICYCLE WARNING	W11-1	6.25	-
STA. 310+00 RT	SHARE THE ROAD	W16-1	3.0	15.5
STA. 310+00 RT	BICYCLE WARNING	W11-1	6.25	-
STA. 325+00 LT	BICYCLE WARNING	W11-1	6.25	15.5
STA. 325+00 LT	SHARE THE ROAD	W16-1	3.00	-
STA. 328+00 RT	BICYCLE WARNING	W11-1	6.25	15.5
STA. 328+00 RT	SHARE THE ROAD	W16-1	3.00	-
STA. 340+00 LT	BICYCLE WARNING	W11-1	6.25	15.5
STA. 340+00 LT	SHARE THE ROAD	W16-1	3.00	-
RT. 142 LT	BICYCLE WARNING	W11-1	6.25	13.5
RT. 142 LT	BIKE ROUTE	D11-1	3.00	14.25
RT. 142 LT	DOUBLE ARROW	M7-5	0.75	-
RT. 142 RT	BICYCLE WARNING	W11-1	6.25	13.5
RT. 142 RT	BIKE ROUTE	D11-1	3.00	14.25
RT. 142 RT	DOUBLE ARROW	M7-5	0.75	-
STA. 348+00 RT	BICYCLE WARNING	W11-1	6.25	15.5
STA. 348+00 RT	SHARE THE ROAD	W16-1	3.00	-
STA. 358+00 LT	BICYCLE WARNING	W11-1	6.25	15.5
STA. 358+00 LT	SHARE THE ROAD	W16-1	3.00	-
THIRD ST. LT	BIKE ROUTE	D11-1	3.00	14.25
THIRD ST. LT	DOUBLE ARROW	M7-5	0.75	-
THIRD ST. RT	BIKE ROUTE	W11-1	3.00	14.25
THIRD ST. RT	DOUBLE ARROW	M7-5	0.75	-
STA. 350+68 LT	MILE 183 (2 SIGNS)	D10-3	6.00	13.0

SIGN SCHEDULE (CONTINUED)

LOCATION	NAME	SIGNS		POSTS (FOOT)
		NO.	SQ. FT.	
STA. 359+35 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 359+35 LT	STOP SIGN	R1-1	2.25	11.5
STA. 362+45 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 362+45 RT	STOP SIGN	R1-1	2.25	11.5
FOURTH ST. RT	BIKE ROUTE	D11-1	3.00	14.25
FOURTH ST. RT	DOUBLE ARROW	M7-5	0.75	-
FOURTH ST. LT	BIKE ROUTE	D11-1	3.00	14.25
FOURTH ST. RT	DOUBLE ARROW	M7-5	0.75	-
STA. 362+90 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 362+90 LT	STOP SIGN	R1-1	2.25	11.5
VETERANS DR. LT	BIKE ROUTE	D11-1	3.00	14.25
VETERANS DR. LT	DOUBLE ARROW	M7-5	0.75	-
VETERANS DR. RT	BIKE ROUTE	D11-1	3.00	14.25
VETERANS DR. RT	DOUBLE ARROW	M7-5	0.75	-
STA. 365+90 RT	STOP SIGN	R1-1	2.25	11.5
STA. 365+90 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 368+45 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 366+30 LT	STOP SIGN	R1-1	2.25	11.5
BURNETT ST. LT	BIKE ROUTE	D11-1	3.00	14.25
BURNETT ST. LT	DOUBLE ARROW	M7-5	0.75	-
BURNETT ST. RT	BIKE ROUTE	D11-1	3.00	14.25
BURNETT ST. RT	DOUBLE ARROW	M7-5	0.75	-
STA. 376+00 RT	STOP SIGN	R1-1	2.25	11.5
STA. 376+00 20' LT	STOP SIGN	R1-1	6.25	14.5
STA. 375+98 LT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 376+60 RT	NO MOTOR VEHICLES	R5-3	4.00	12.0
STA. 376+60 LT	STOP SIGN	R1-1	2.25	11.5
STA. 400+50 LT	BIKE ROUTE	D11-1	3.00	12.25
STA. 400+50 LT	SINGLE ARROW	M7-1	0.75	-
STA. 401+75 LT	BIKE ROUTE	D11-1	3.00	12.25
STA. 401+75 LT	SINGLE ARROW	M7-1	0.75	-
STA. 401+75 RT	TRAIL ENDS 0.5 MI AHEAD	D1-1C	1.50	10.5

TOTAL SIGNING QUANTITIES 273.5 750.75

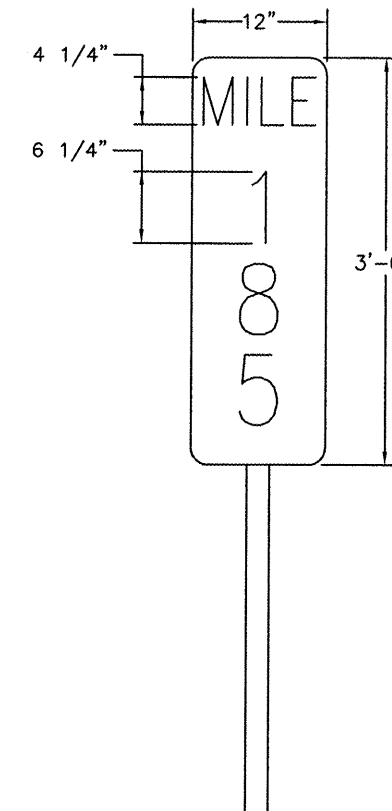
PAVEMENT MARKING SCHEDULE LETTERS AND SYMBOLS

LOCATION	NAME	QUANTITY SQ. FT.
TROLLEY ROAD	BIKE XING	41.6
TROLLEY ROAD	BIKE XING	41.6
RT. 142	BIKE XING	41.6
RT. 142	BIKE XING	41.6
THIRD STREET	BIKE XING	41.6
THIRD STREET	BIKE XING	41.6
STA. 360+30 LT	HWY XING	18.9
STA. 361+50 RT	HWY XING	18.9
FOURTH STREET LT	BIKE XING	41.6
FOURTH STREET RT	BIKE XING	41.6
STA. 363+85 LT	HWY XING	18.9
STA. 364+96 RT	HWY XING	18.9
VETERANS DRIVE LT	BIKE XING	41.6
VETERANS DRIVE RT	BIKE XING	41.6
STA. 367+30 LT	HWY XING	18.9
STA. 366+50 RT	HWY XING	18.9
BURNETT STREET LT	BIKE XING	41.6
BURNETT STREET RT	BIKE XING	41.6
STA. 377+50 LT	HWY XING	18.9

TOTAL PAVEMENT MARKING LETTERS & SYMBOLS 631.5

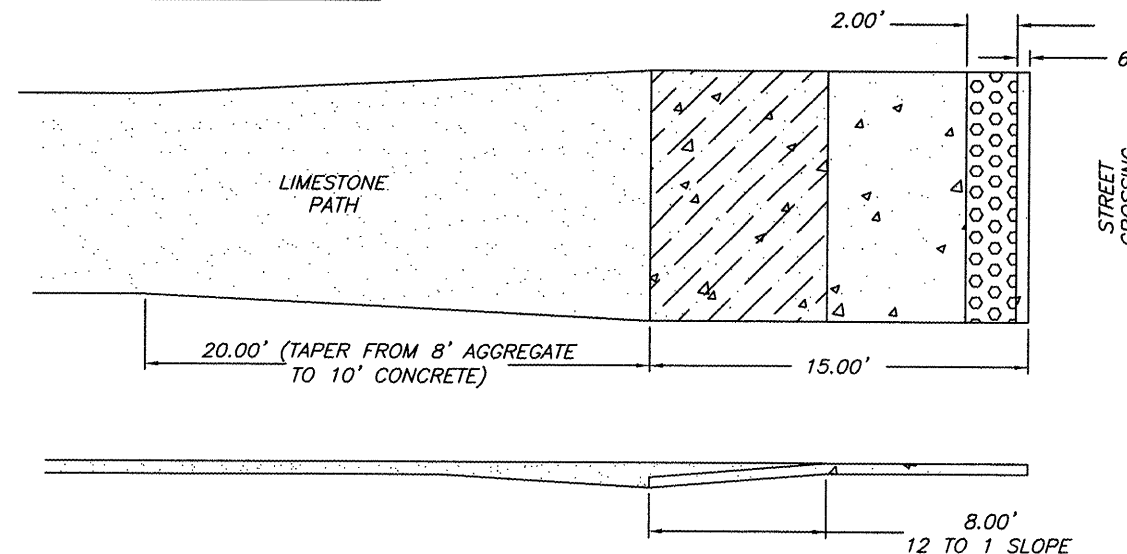
CONTRACT NO. 99345

PROJECT # TCSP-IL08(012)



SIGN D10-3 DETAIL

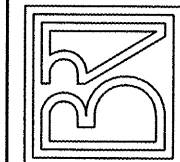
NO SCALE



PATH TRANSITION AND DETECTABLE WARNING DETAIL

NO SCALE

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CITY OF ELDORADO ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM SCHEDULES

Drawn By: GSS
Checked By: MWR

Revisions

Item	Date	By

Scale: NONE

Field Bk:

Job Number: 05-138

Date: 08/08

Sheet

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00037-00-BT	SALINE	47	6
IDOT - ELDORADO BIKE PATH				
PROJ. NO. TCSP-IL08(012)			CONTRACT NO. XXXXX	

GENERAL NOTES

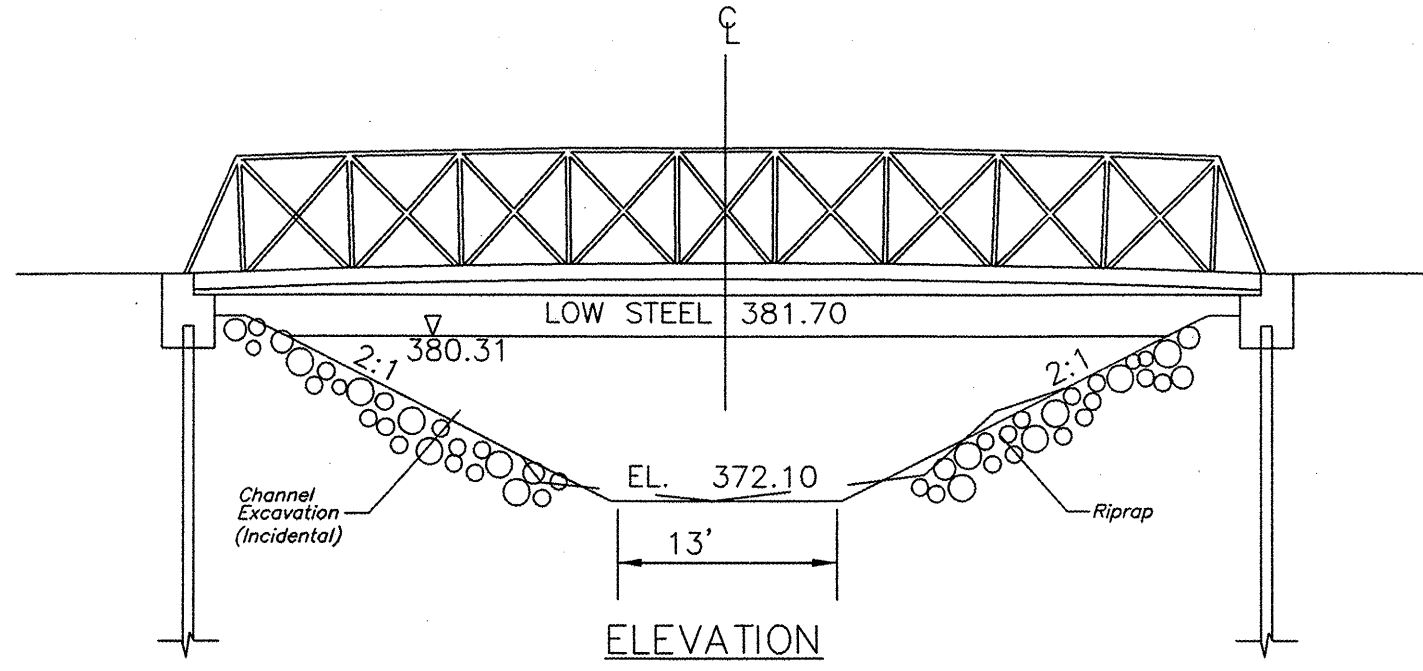
- All materials and construction shall conform to the latest edition of the Illinois Department of Transportation Standard Specifications for Roads and Bridge Construction, Jan. 1, 2007
- Design Specifications: AASHTO Standard Specifications for Highway Bridges 1996
 - 2. - Abutment
 - A - Bridge Dead 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

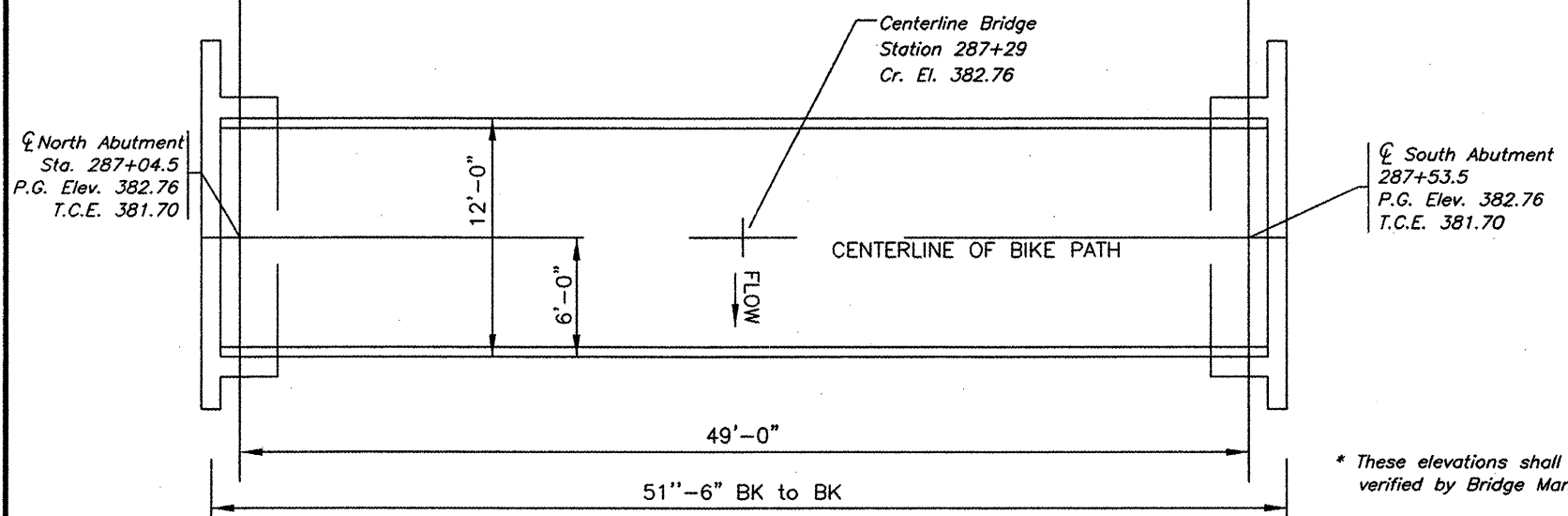
Drainage Area = 1.72 Sq. Mi.					Low Grade Elev. = 382.76				
Flood	Freq. (year)	Q (cfs)	Opening (sq ft)		Natural HWE	Head (ft)		Headwater Elev	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	50	1180	N.A.	195	380.31	N.A.	0	N.A.	380.50
Base	100	1390	N.A.	206	380.72	N.A.	0	N.A.	380.90

BILL OF MATERIAL - 2 ABUTMENTS

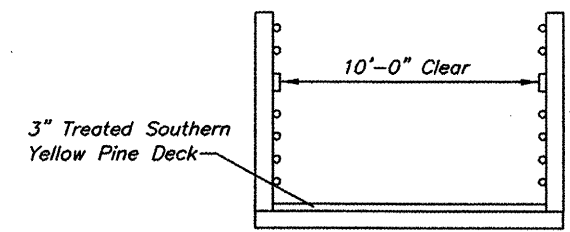
Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Concrete Structures	Cu Yd			9.4	9.4
Reinforcement Bars	Pound			1200	1200
Furnishing Piles HP10X42	Foot			140	140
Driving Steel Piles	Foot			140	140
Pedestrian Truss Superstructure	50 FT	500			500
Name Plates	Each			1	1
Riprap	Ton			90	90



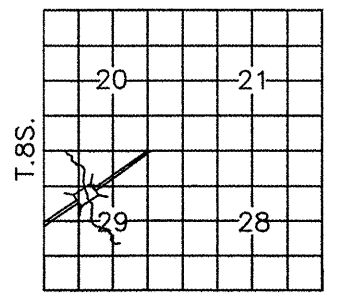
ELEVATION
No Scale



PLAN
No Scale



SECTION
No Scale



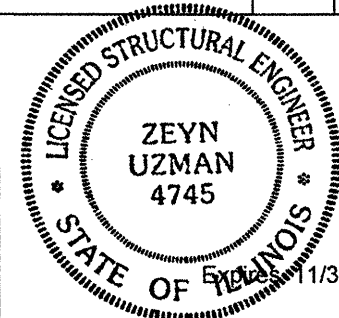
LOCATION SKETCH



STATION 287+29
UNNAMED CREEK
STRUCTURE NO. 083-0004
SEC.08-00037-00-BT
ILLINOIS DEPARTMENT OF TRANSPORTATION
BUILT 2009

LETTERING FOR NAME PLATE

Locate Name Plate at SOUTHWEST Corner of Bridge



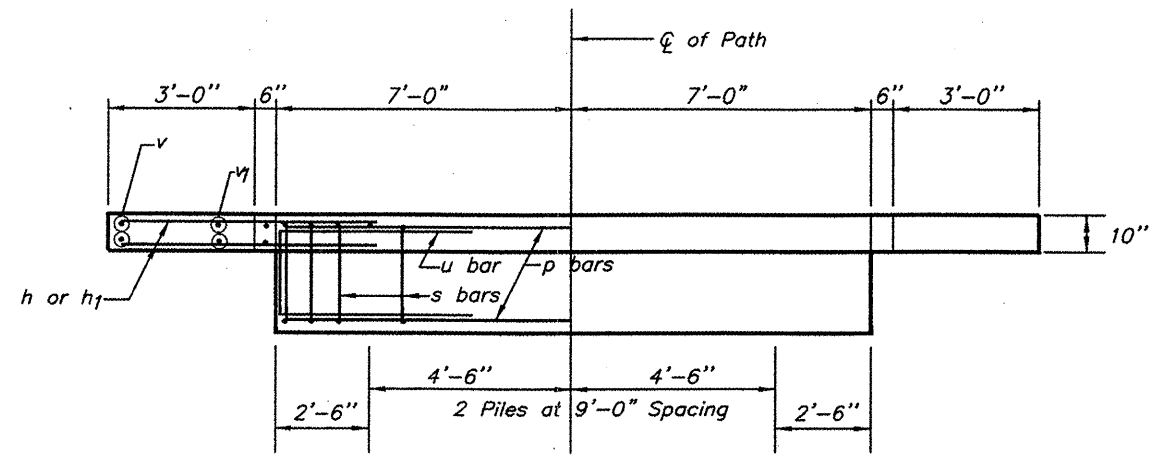
[Signature]
11/30/2008 Illinois Structural No. 4745

GENERAL PLAN AND ELEVATION

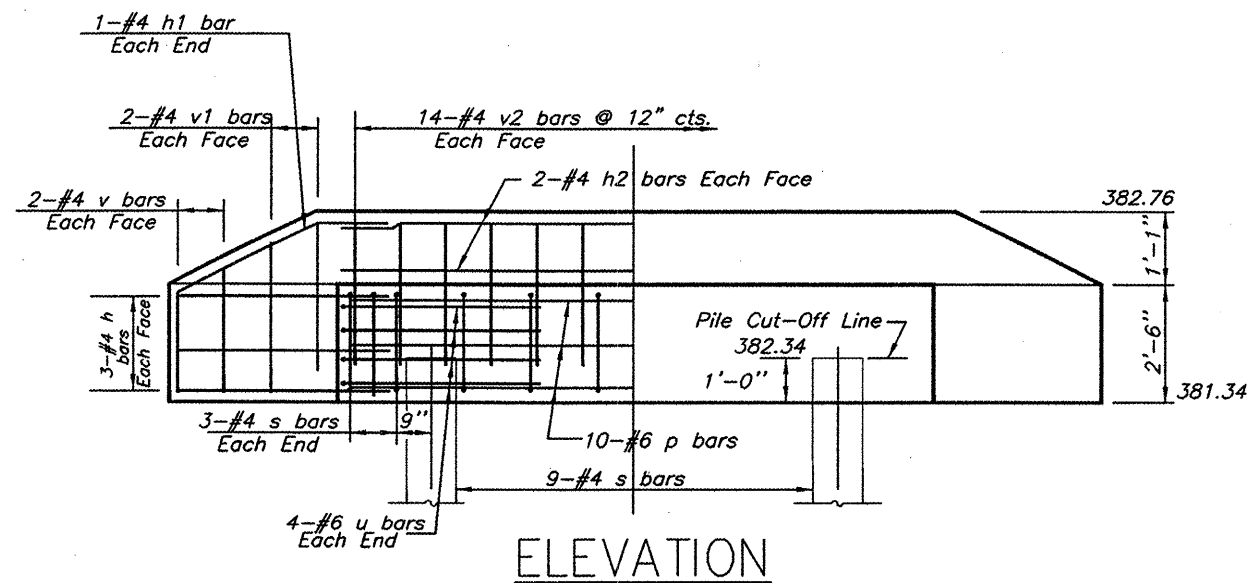
PEDESTRIAN BRIDGE
UNNAMED CREEK

SECTION 08-00037-00-BT
CITY OF ELDORADO
STATION 287+29

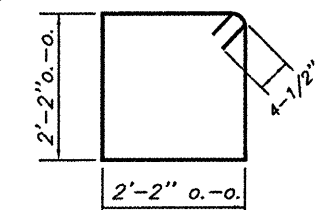
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00037-00-BT	SALINE	47	7
IDOT - ELDORADO BIKE PATH				
PROJ. NO. TCSP-IL08(012)			CONTRACT NO. XXXXX	



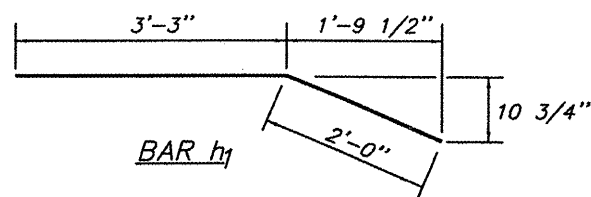
PLAN



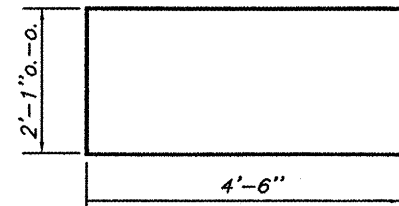
ELEVATION



BAR S



BAR h1



BAR u

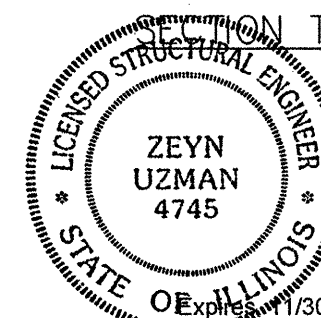
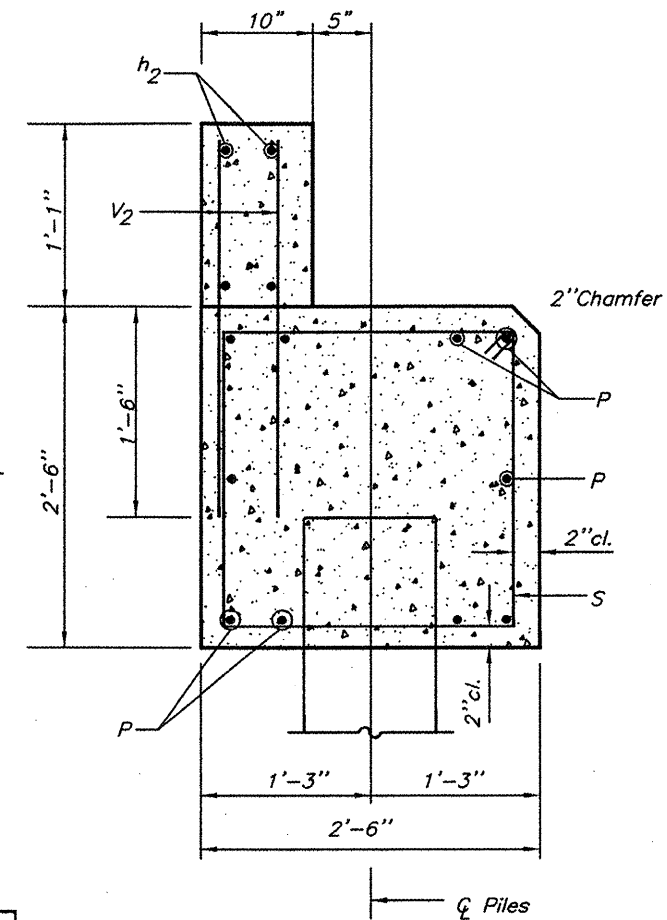
Dimension to be verified with Bridge Manufacturer

PILE DATA (2-ABUTMENTS)

Type: HP 10X42
Capacity: Refusal (84 tons)
Estimated Length: 35 Feet
Number Required: 4

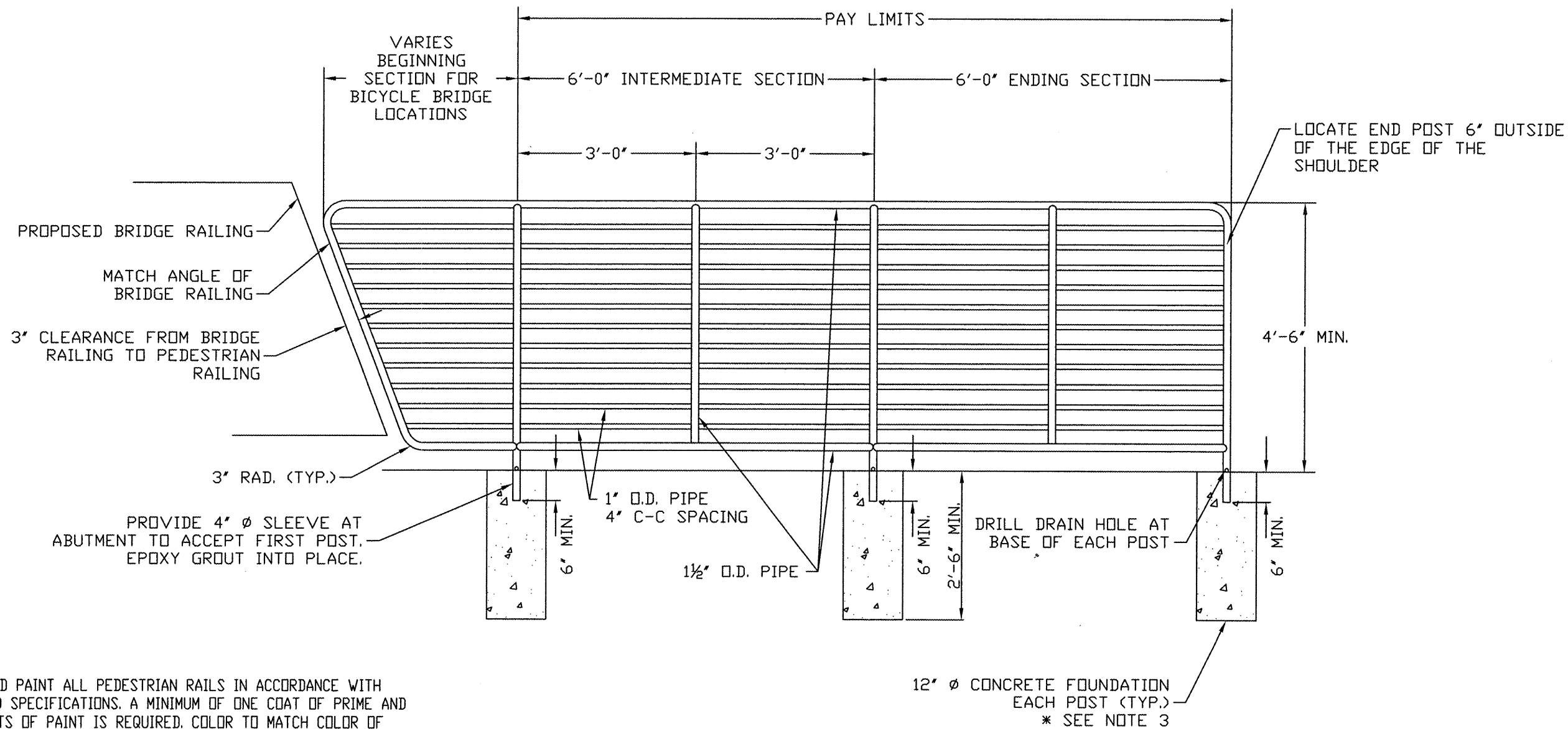
BILL OF MATERIAL FOR ONE ABUTMENT

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		4.4 Cu. Yds.		
Reinforcement Bars		600 Lbs.		



[Signature]
Illinois Structural No. 4745

ABUTMENT DETAIL SHEET
PEDESTRIAN BRIDGE
OVER UNNAMED CREEK
SECTION 08-00037-00-BT
CITY OF ELDORADO
STATION 287+29

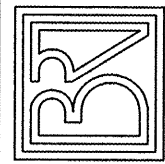


NOTES:

1. PRIME AND PAINT ALL PEDESTRIAN RAILS IN ACCORDANCE WITH STANDARD SPECIFICATIONS. A MINIMUM OF ONE COAT OF PRIME AND TWO COATS OF PAINT IS REQUIRED. COLOR TO MATCH COLOR OF BRIDGE RAILING.
2. POSTS SHALL BE EXTRA STRONG (SCHEDULE 80) PIPE. ALL OTHER RAILING SHALL BE STANDARD (SCHEDULE 40) OR STRONGER PIPE.
3. THE CONTRACTOR MAY ALSO CONNECT THE RAILS TO THE CONCRETE FOUNDATION AND ABUTMENTS WITH FLANGE PLATES AND A MINIMUM OF FOUR ANCHOR BOLTS (MINIMUM DIAMETER 5/8").
4. RAILING AND ANCHORING SHALL BE ABLE TO WITHSTAND A LOADING OF 50 LB / FT AND A 200 LB. POINT LOAD.
5. THE COST OF THE CONCRETE FOUNDATIONS SHALL BE INCLUDED IN THE PAY ITEM 'PEDESTRIAN RAIL'.

BICYCLE RAILING DETAIL
NO SCALE

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



CITY OF EL DORADO
ILLINOIS TRANSPORTATION
ENHANCEMENT PROGRAM
BRIDGE RAILING

Drawn By: GSS
Checked By: MWR

Revisions

Item	Date	By

Scale: AS SHOWN

Field Bk:

Job Number: 05-138

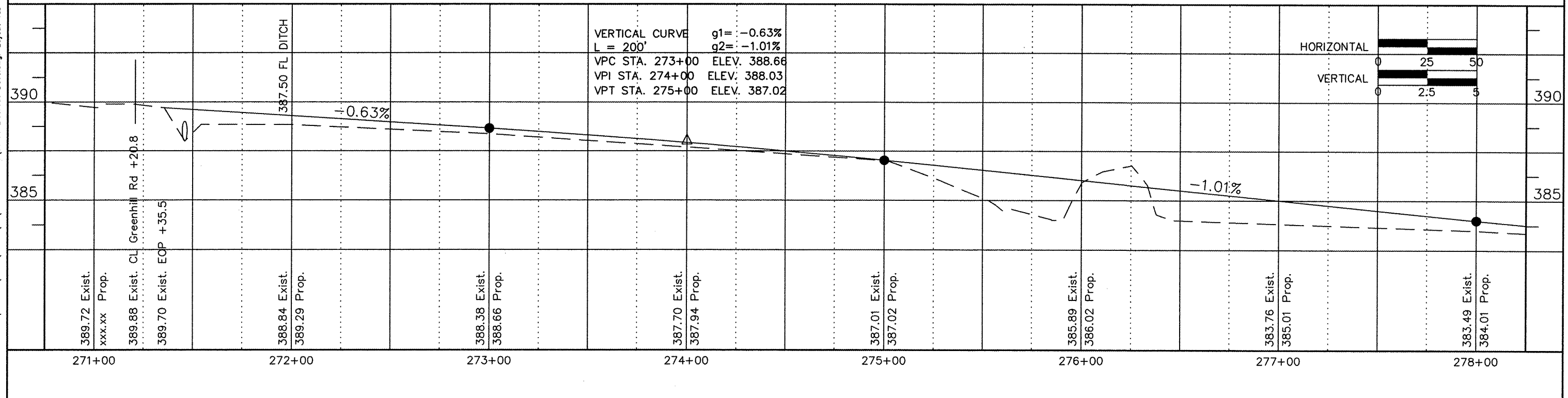
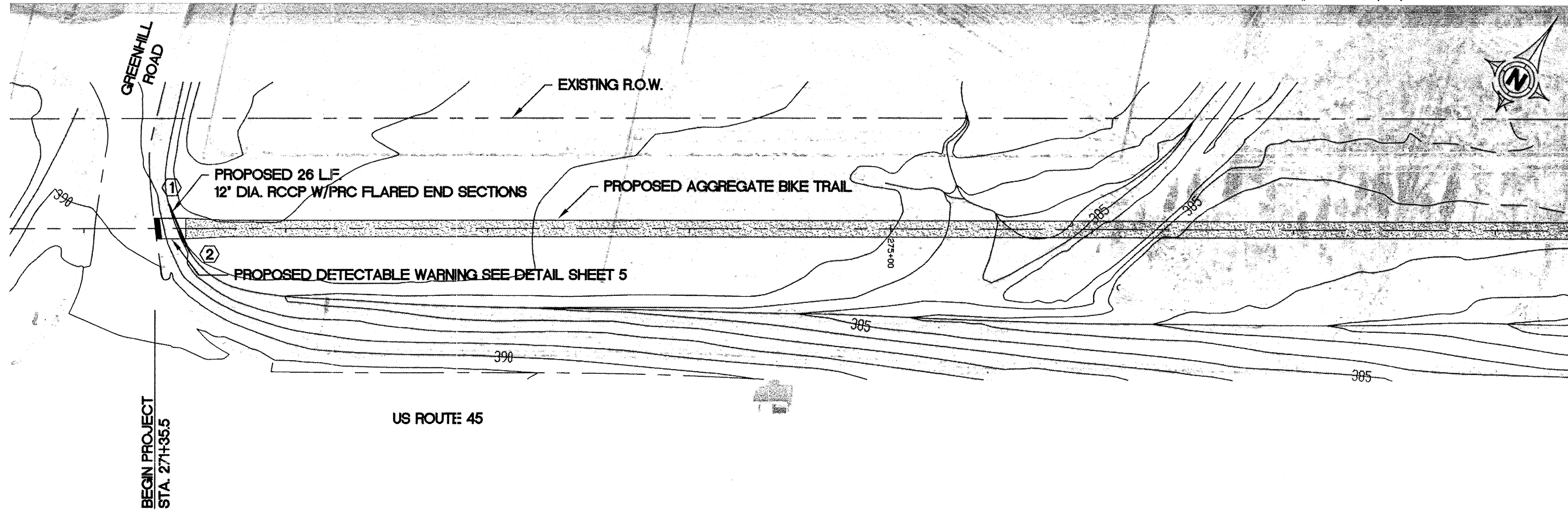
Date: 10/08

Sheet

8

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	9
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

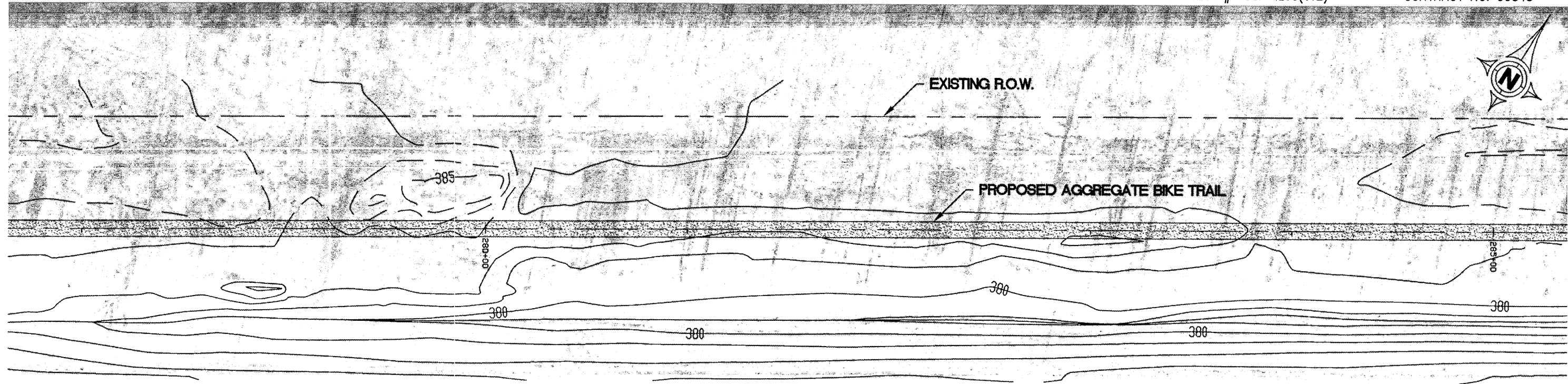
PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



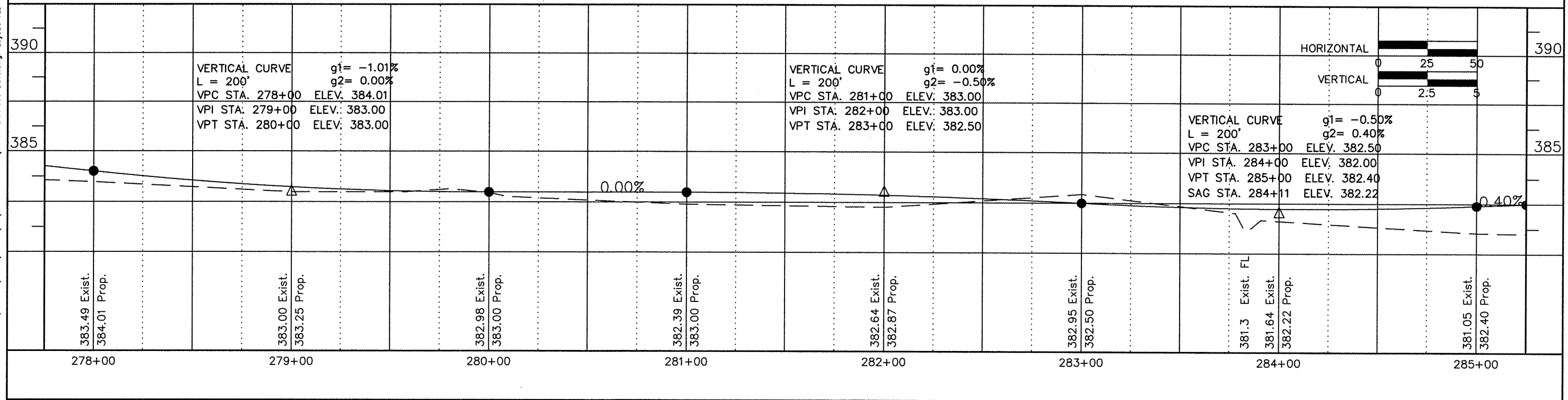
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	10
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

CONTRACT NO. 99345

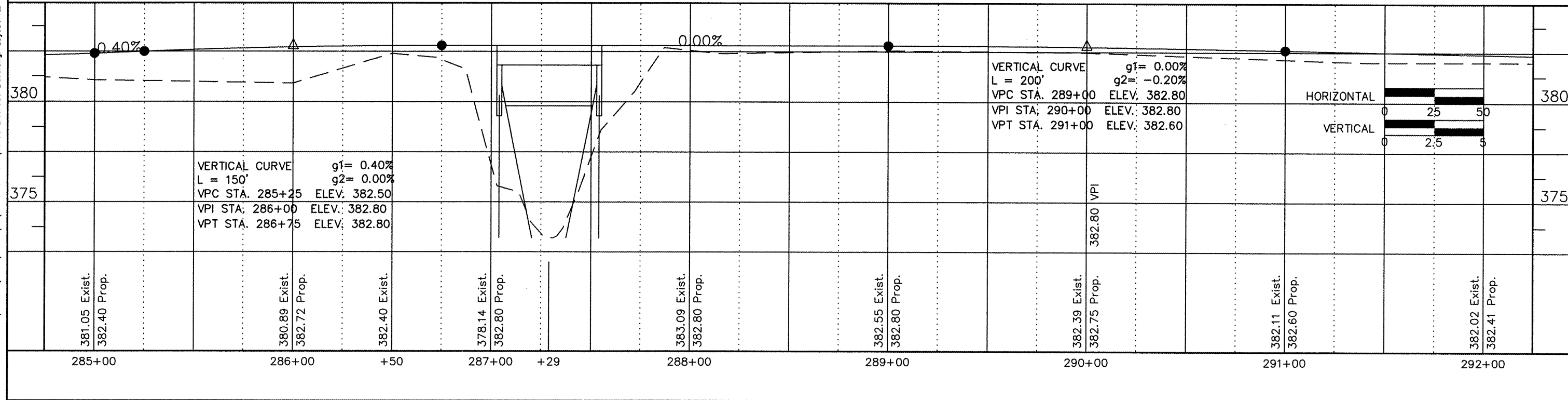
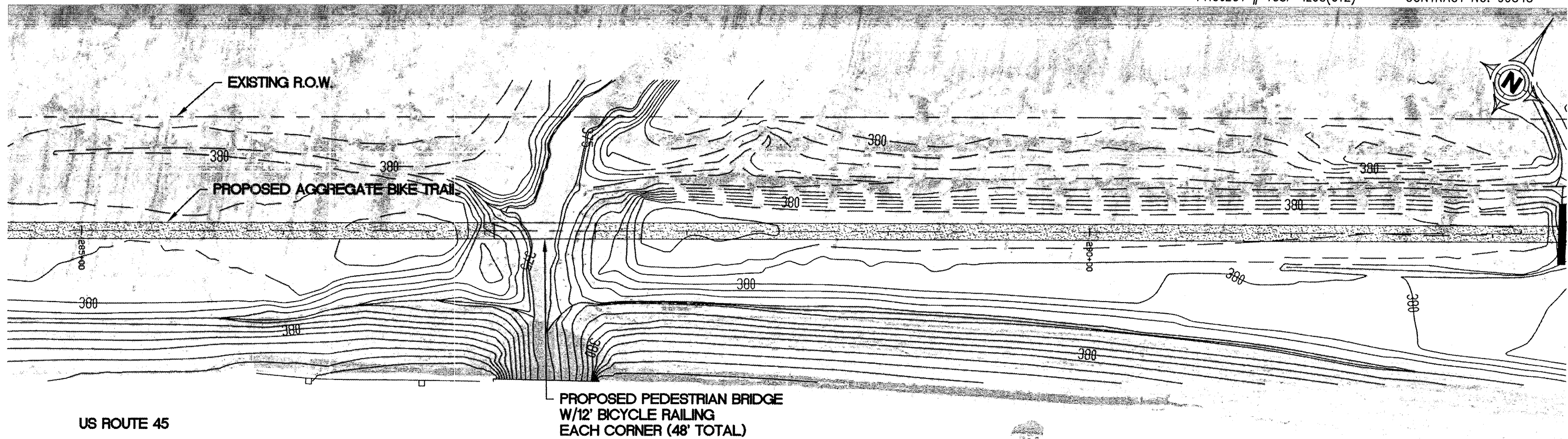


US ROUTE 45



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	11
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

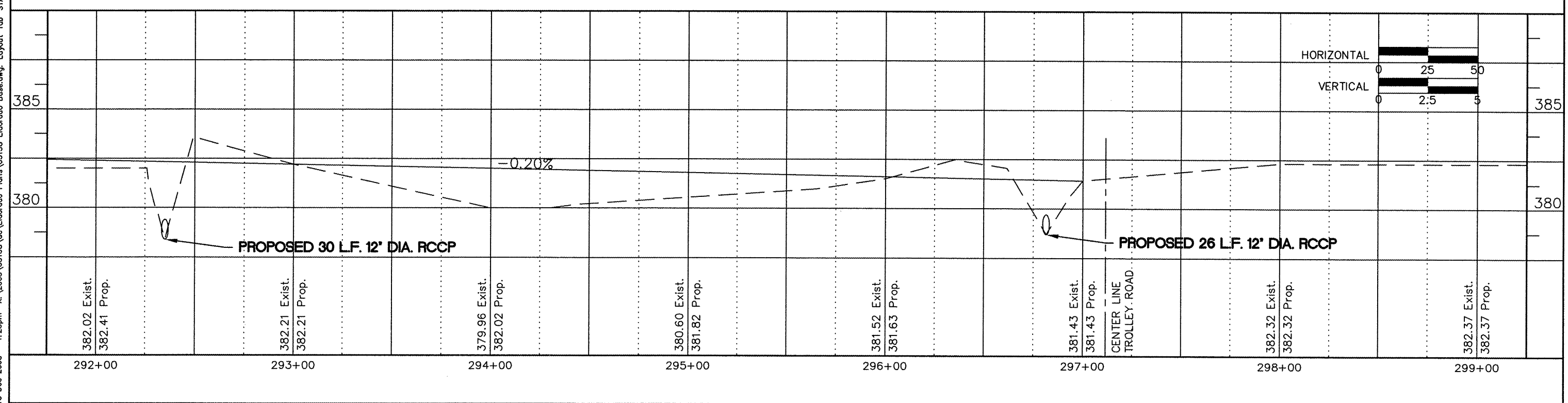
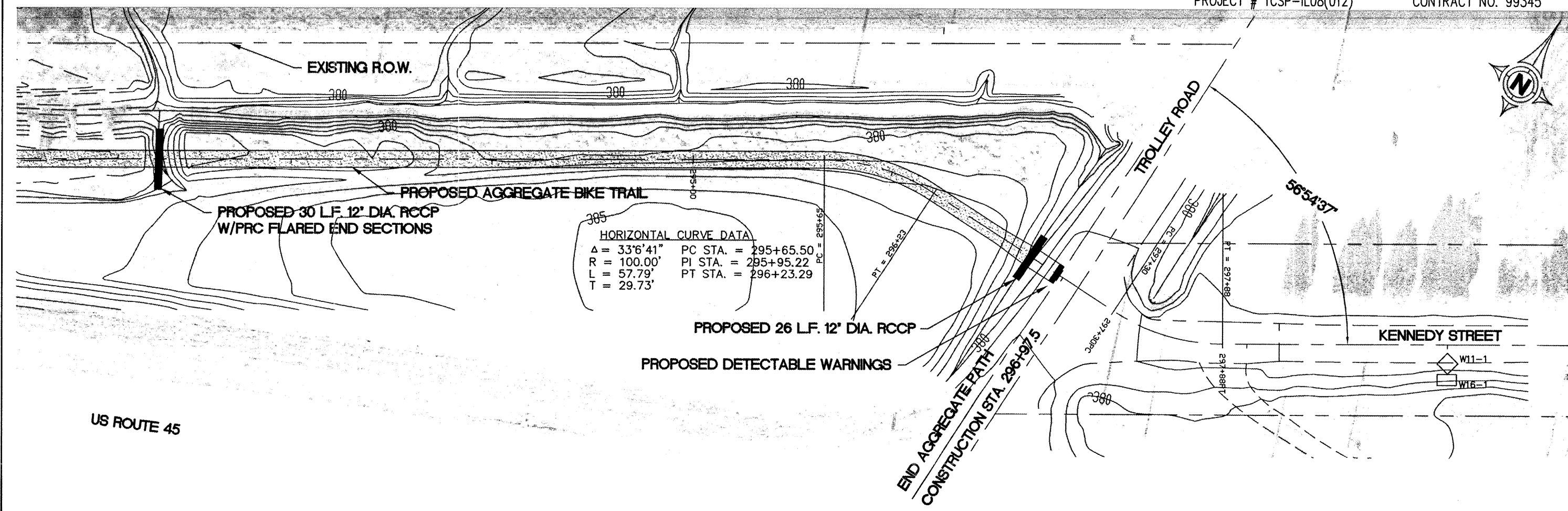
PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	12
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012) CONTRACT NO. 99345

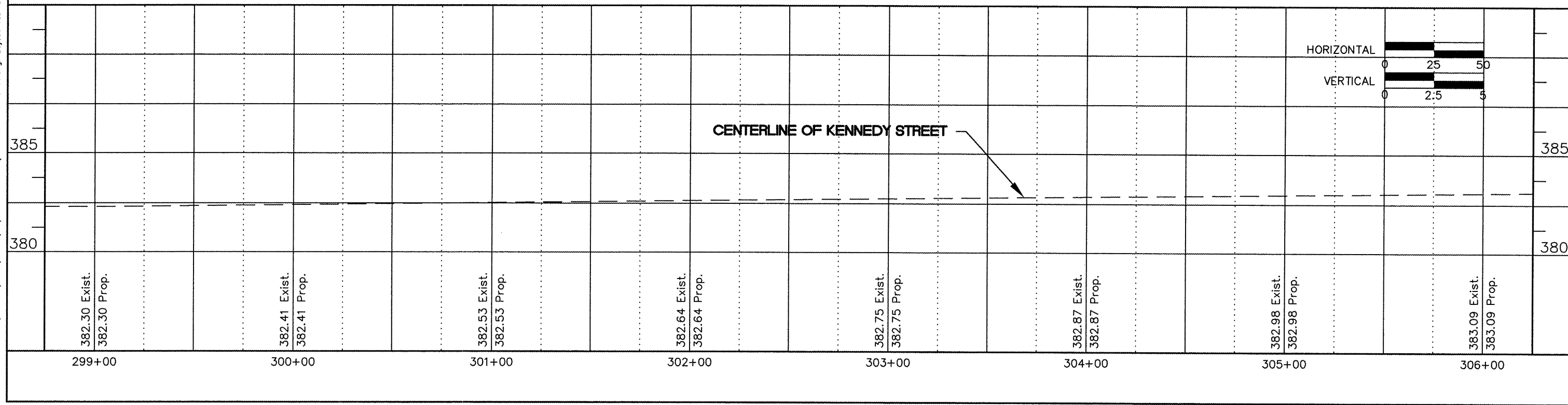
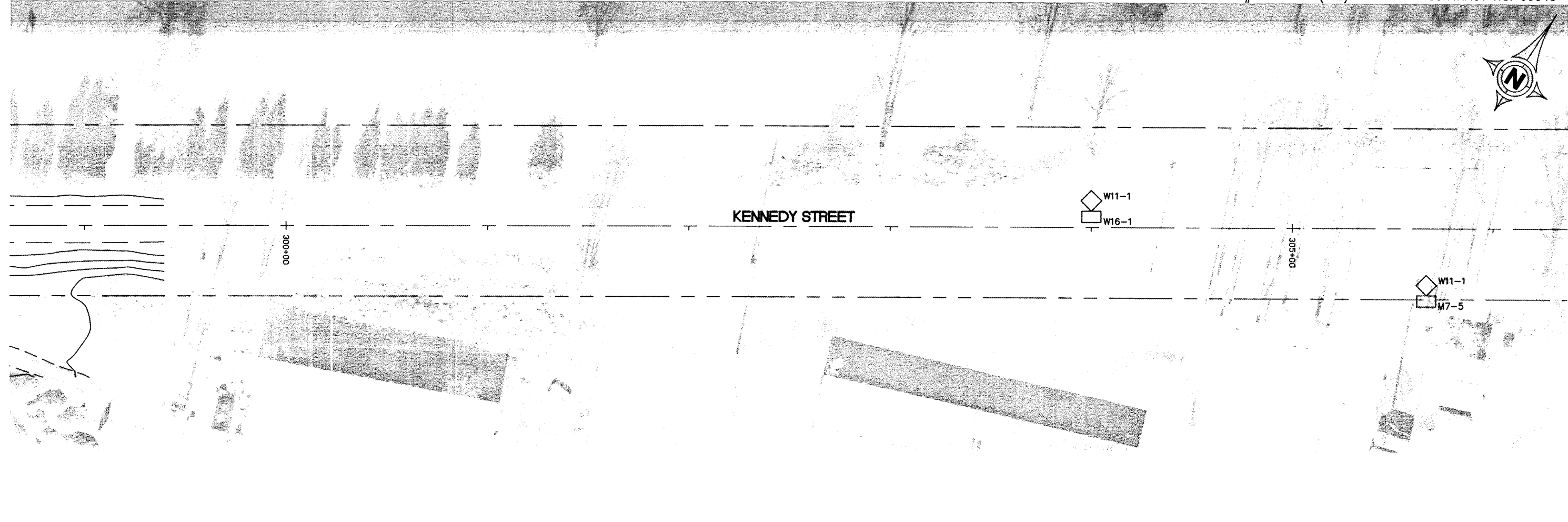


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

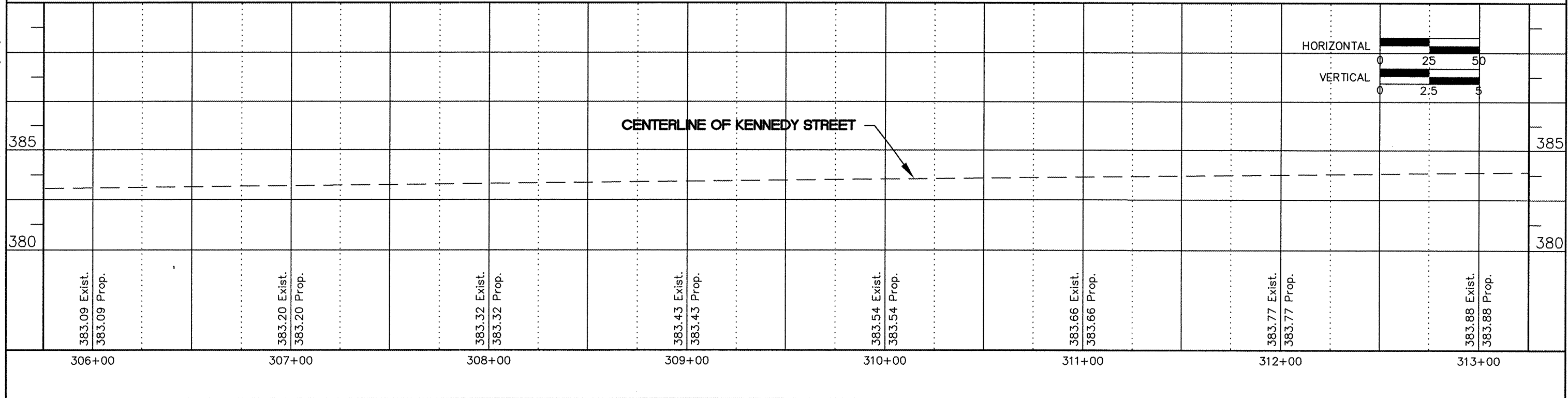
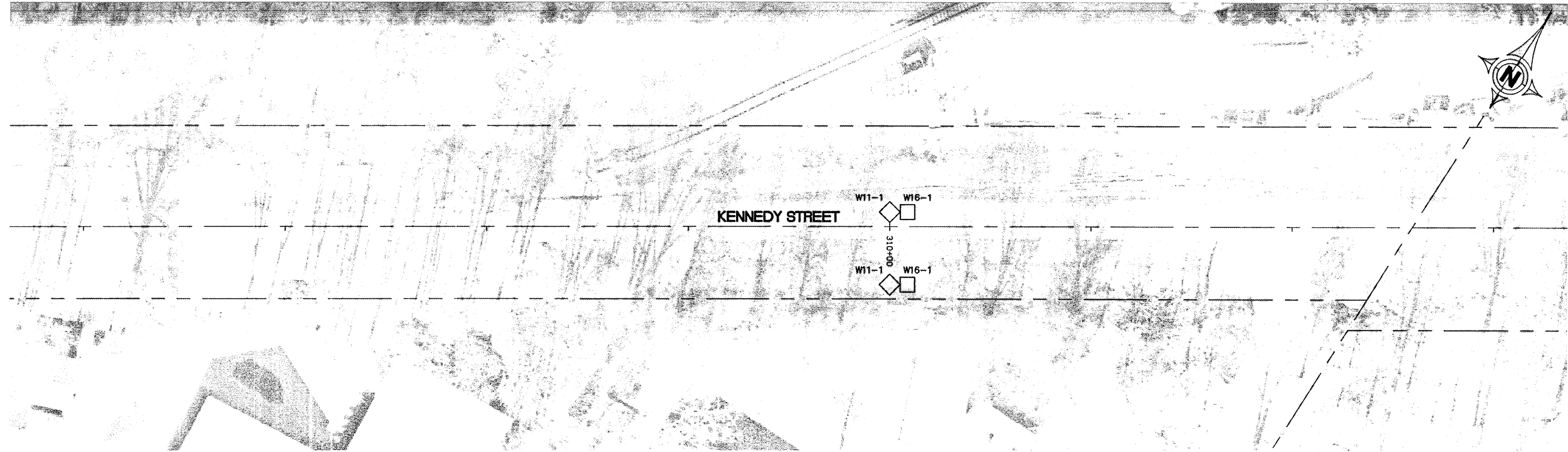
CONTRACT NO. 99345



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	08-00037-00-BT	SALINE	47	14
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

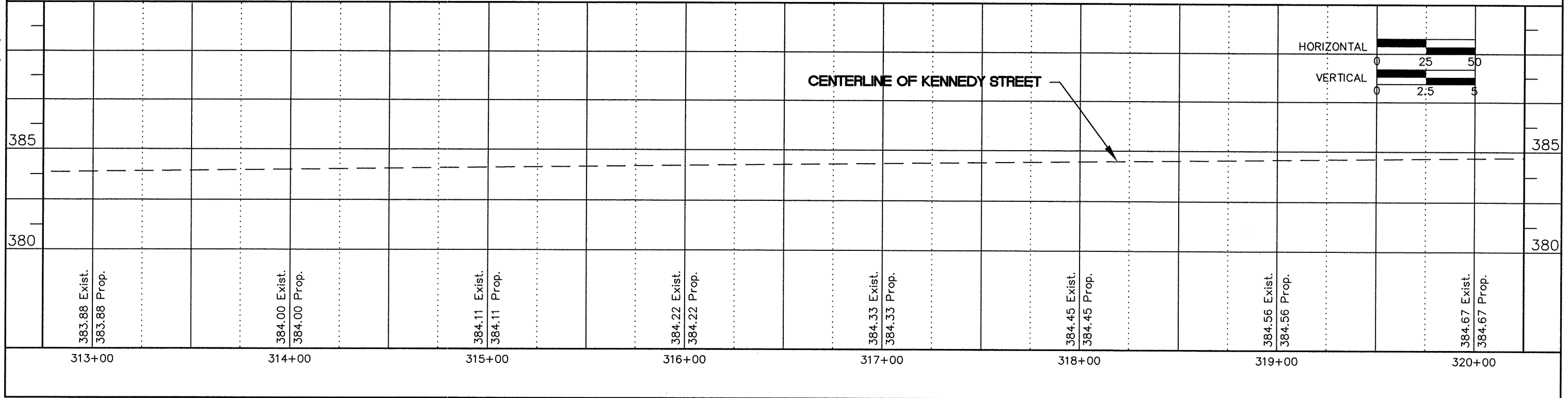
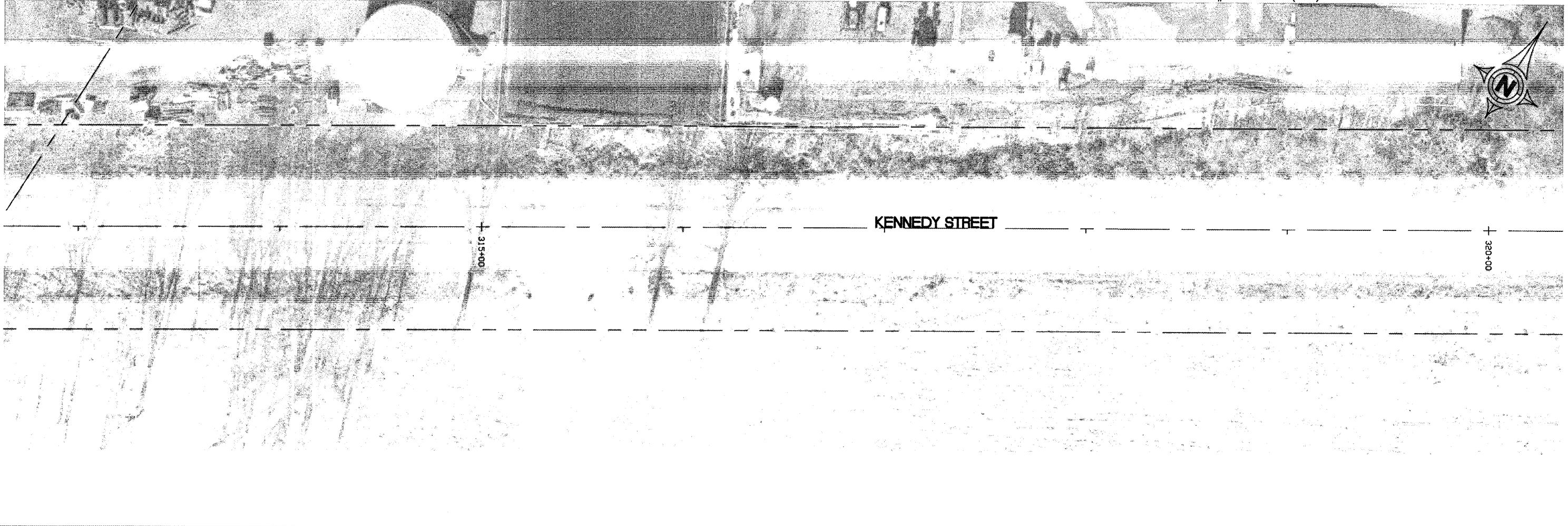
PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	15
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

CONTRACT NO. 99345



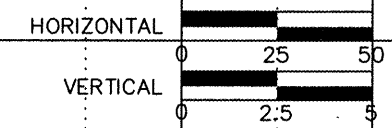
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	16
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

CONTRACT NO. 99345



Station	320+00	321+00	322+00	323+00	324+00	325+00	326+00	327+00
385								
380								
Vertical Curve Data	384.67 Exist. 384.67 Prop.	384.79 Exist. 384.79 Prop.	384.90 Exist. 384.90 Prop.	385.01 Exist. 385.01 Prop.	385.12 Exist. 385.12 Prop.	385.24 Exist. 385.24 Prop.	385.35 Exist. 385.35 Prop.	385.46 Exist. 385.46 Prop.

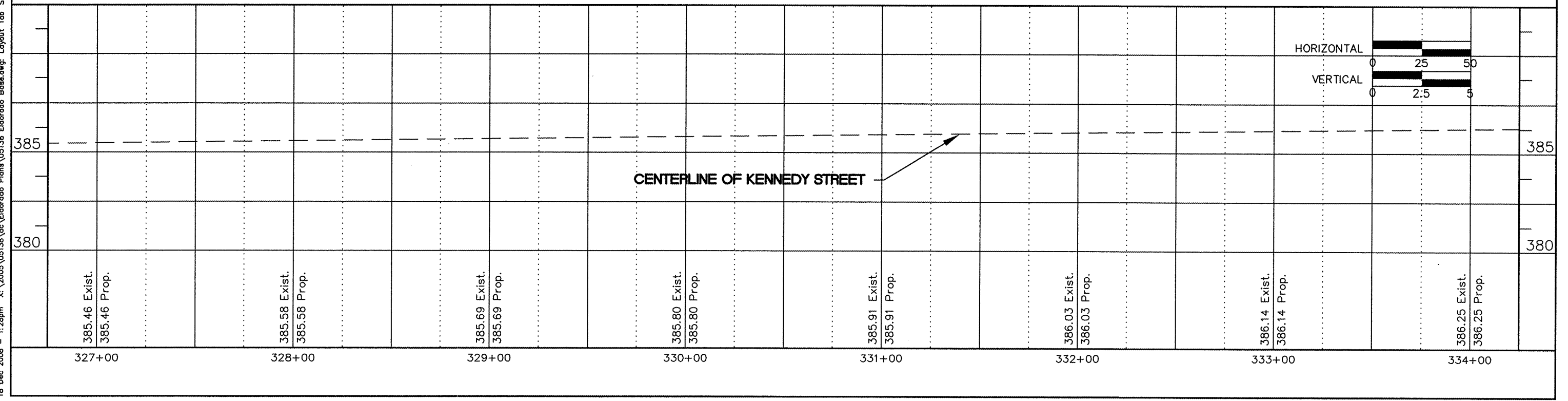
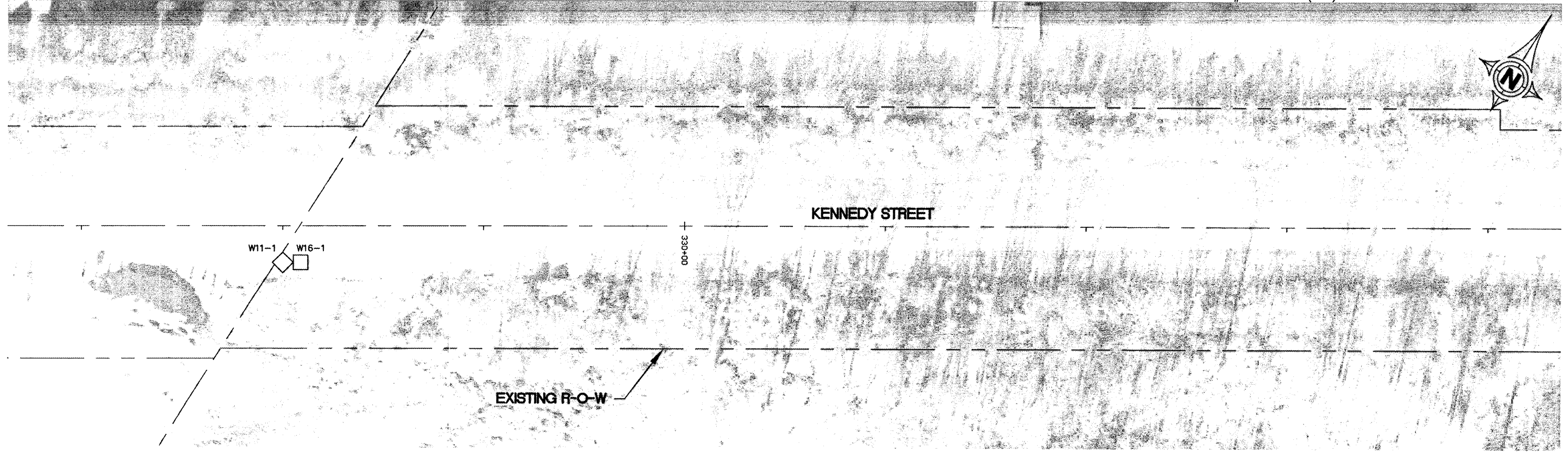


CENTERLINE OF KENNEDY STREET

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	17
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

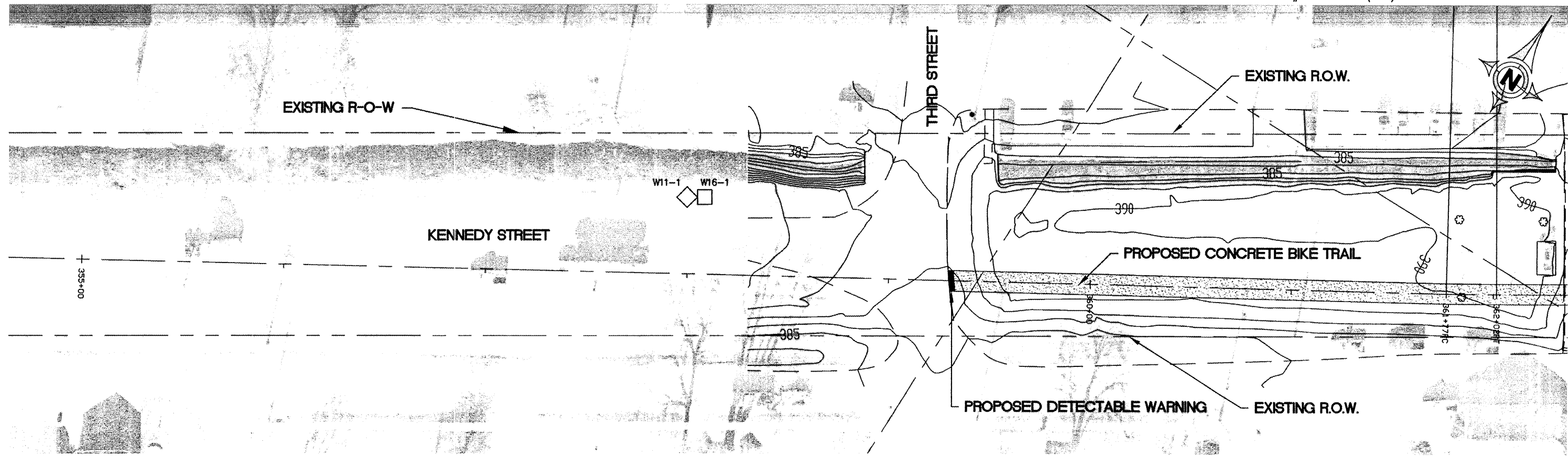
CONTRACT NO. 99345



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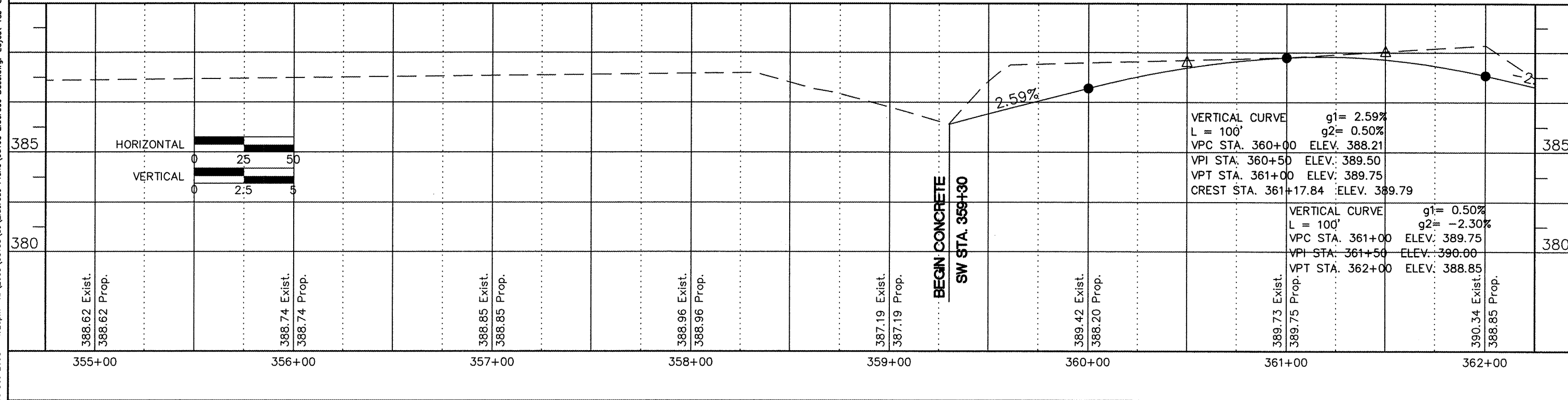
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	21
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



HORIZONTAL CURVE DATA

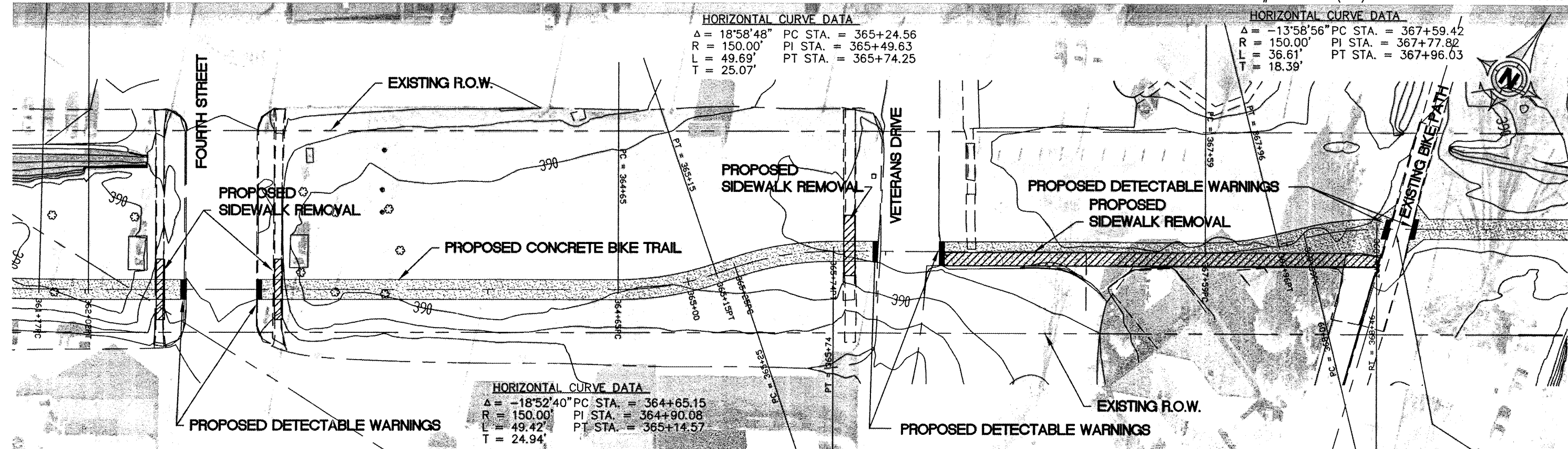
$\Delta = -1^{\circ}24'30''$	PC STA. = 361+77.08
R = 1000.00'	PI STA. = 361+89.32
L = 24.58'	PT STA. = 362+01.61
T = 12.29'	



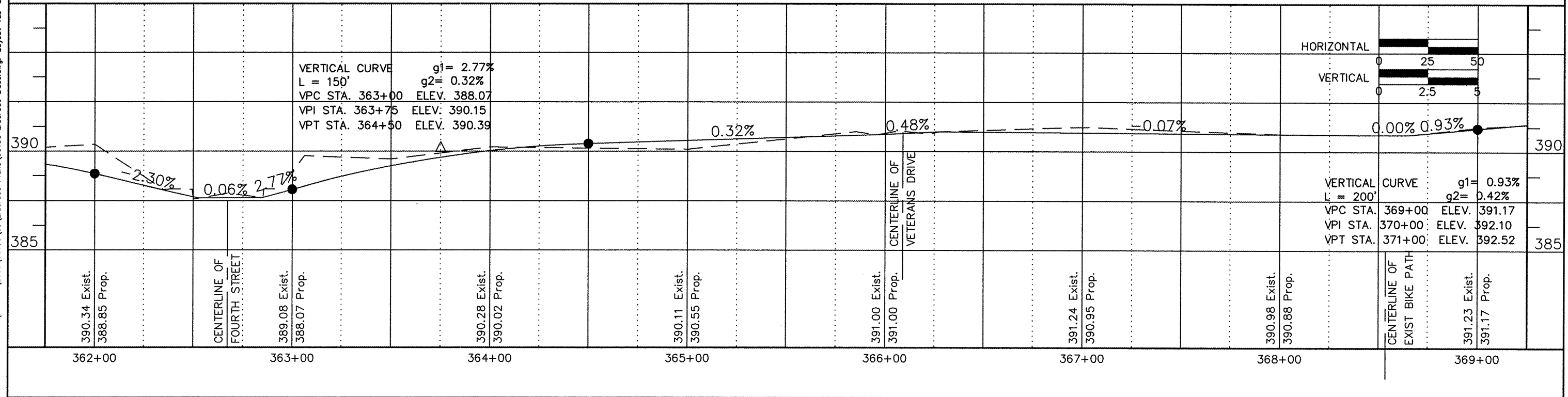
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	22
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



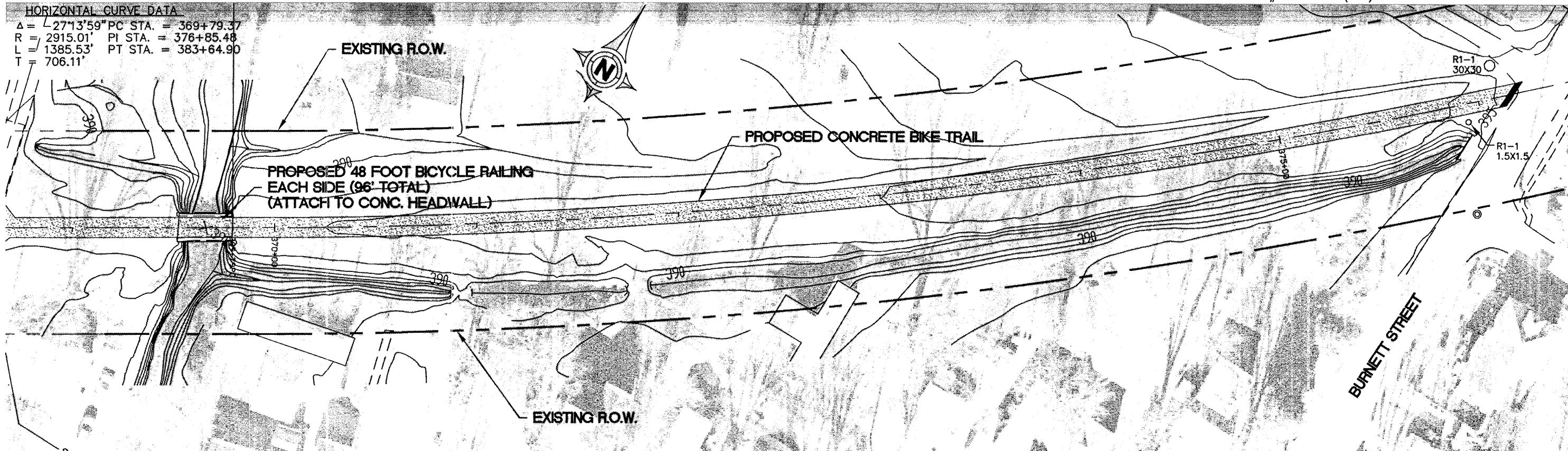
HORIZONTAL CURVE DATA
 $\Delta = 13^{\circ}52'48''$ PC STA. = 368+09.38
 $R = 150.00'$ PI STA. = 368+27.64
 $L = 36.34'$ PT STA. = 368+45.71
 $T = 18.26'$



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	23
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

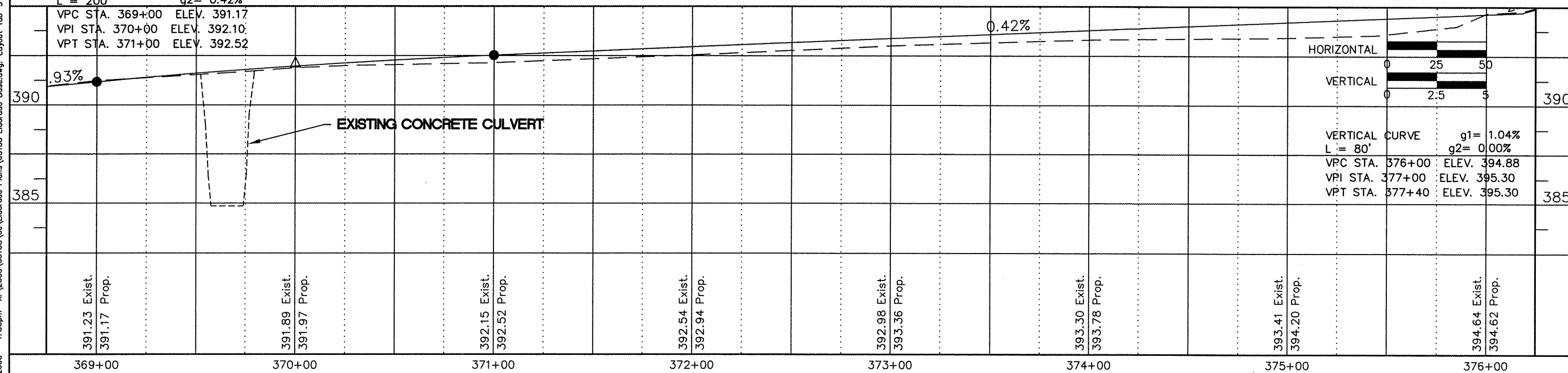
PROJECT # TCSP-IL08(012)

CONTRACT NO. 99345



HORIZONTAL CURVE DATA
 $\Delta = 2713'59''$ PC STA. = 369+79.37
 $R = 2915.01'$ PI STA. = 376+85.48
 $L = 1385.53'$ PT STA. = 383+64.90
 $T = 706.11'$

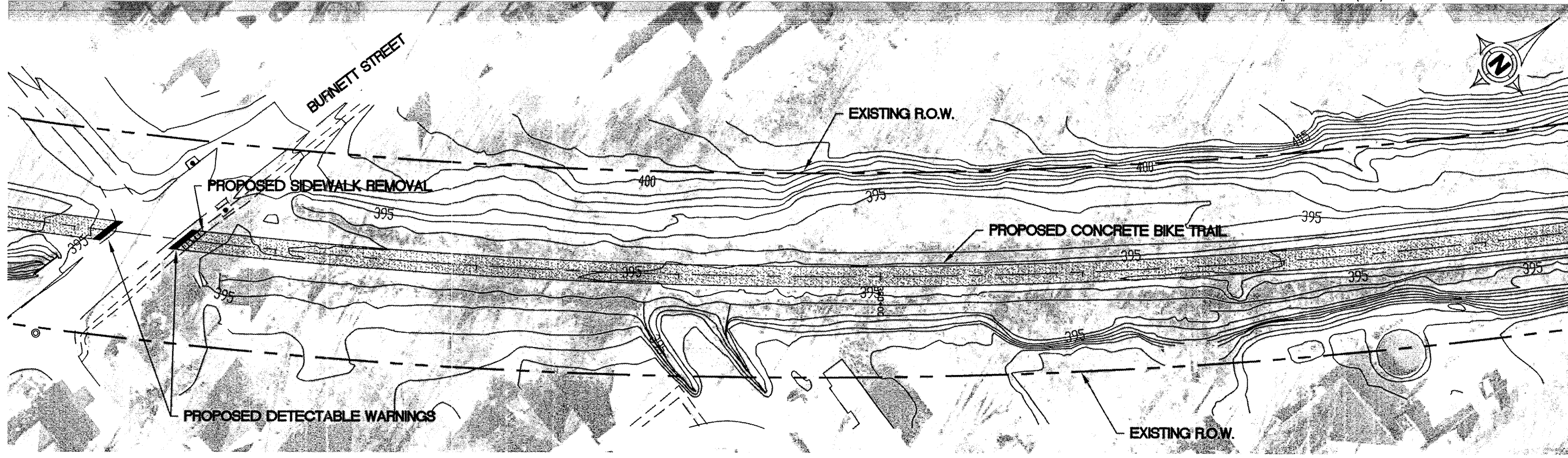
VERTICAL CURVE $g1 = 0.93\%$
 $L = 200'$ $g2 = 0.42\%$
 VPC STA. 369+00 ELEV. 391.17
 VPI STA. 370+00 ELEV. 392.10
 VPT STA. 371+00 ELEV. 392.52



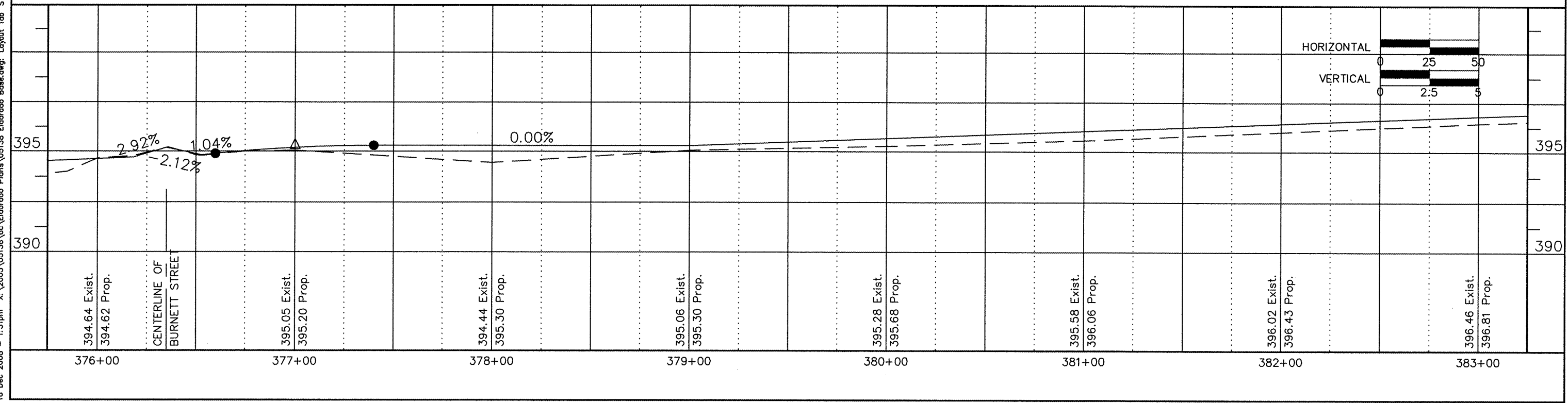
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	24
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



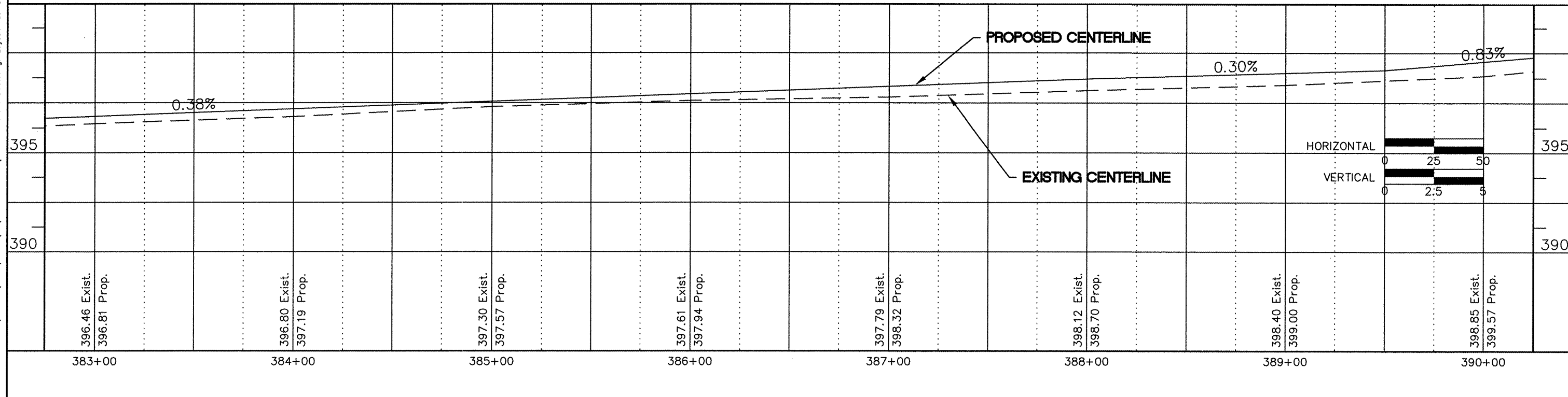
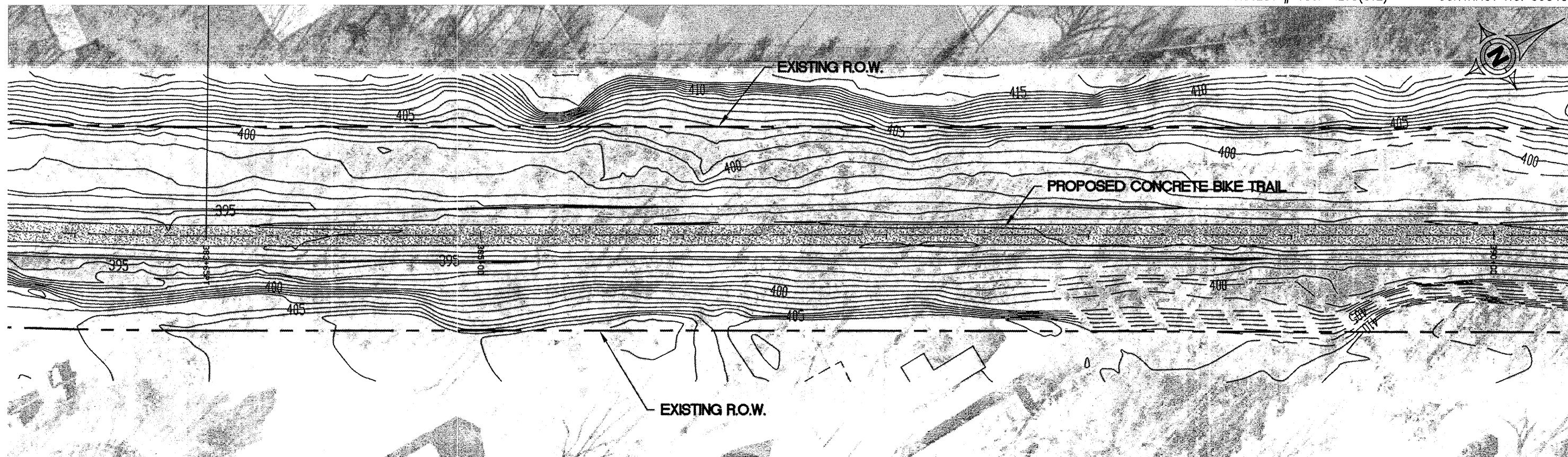
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	25
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

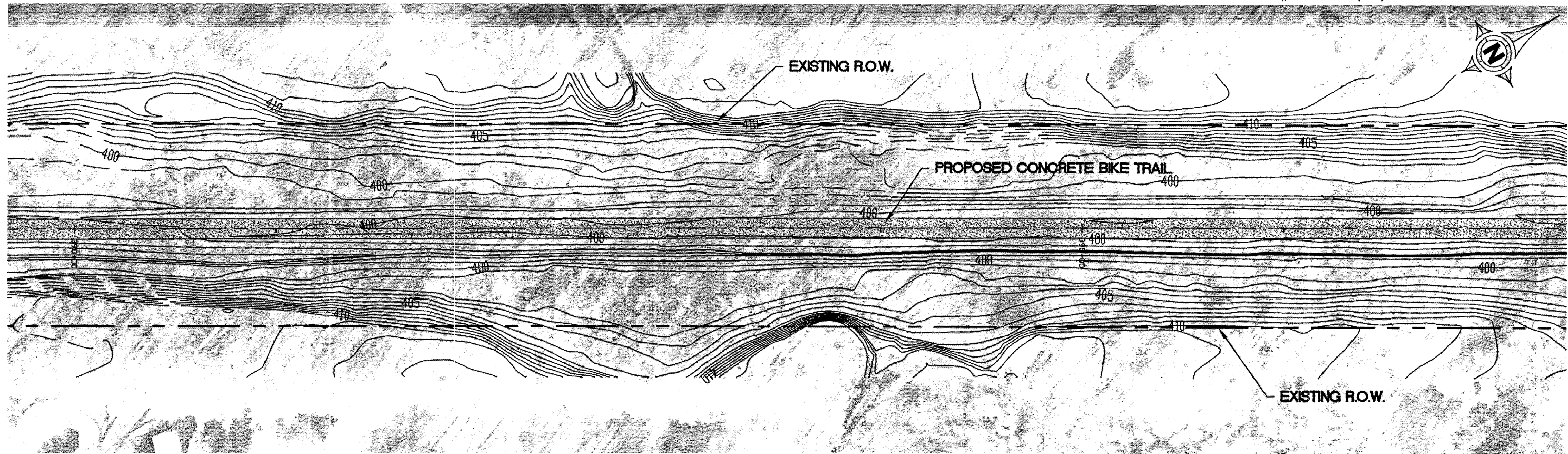
CONTRACT NO. 99345



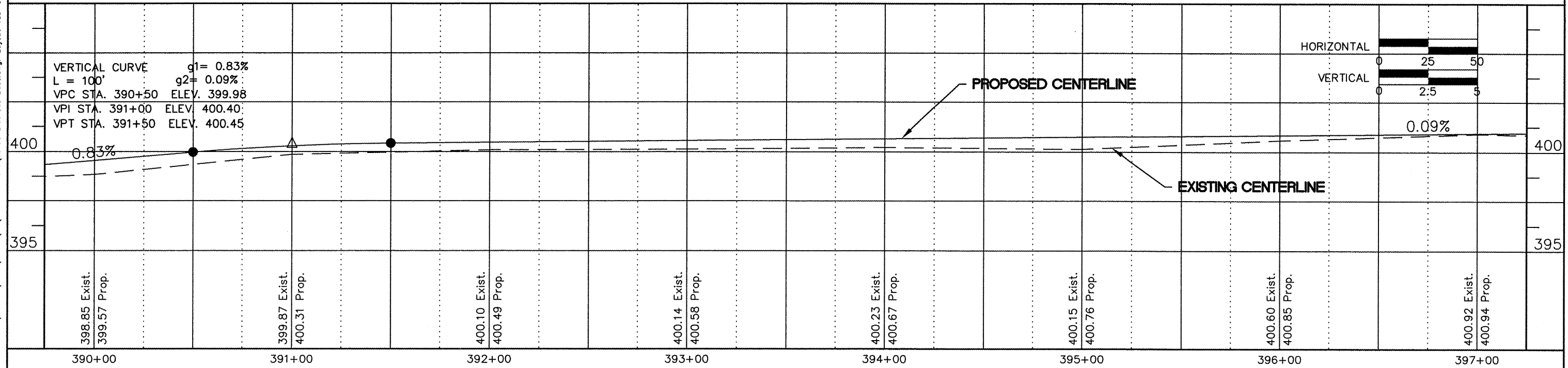
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	26
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)

CONTRACT NO. 99345



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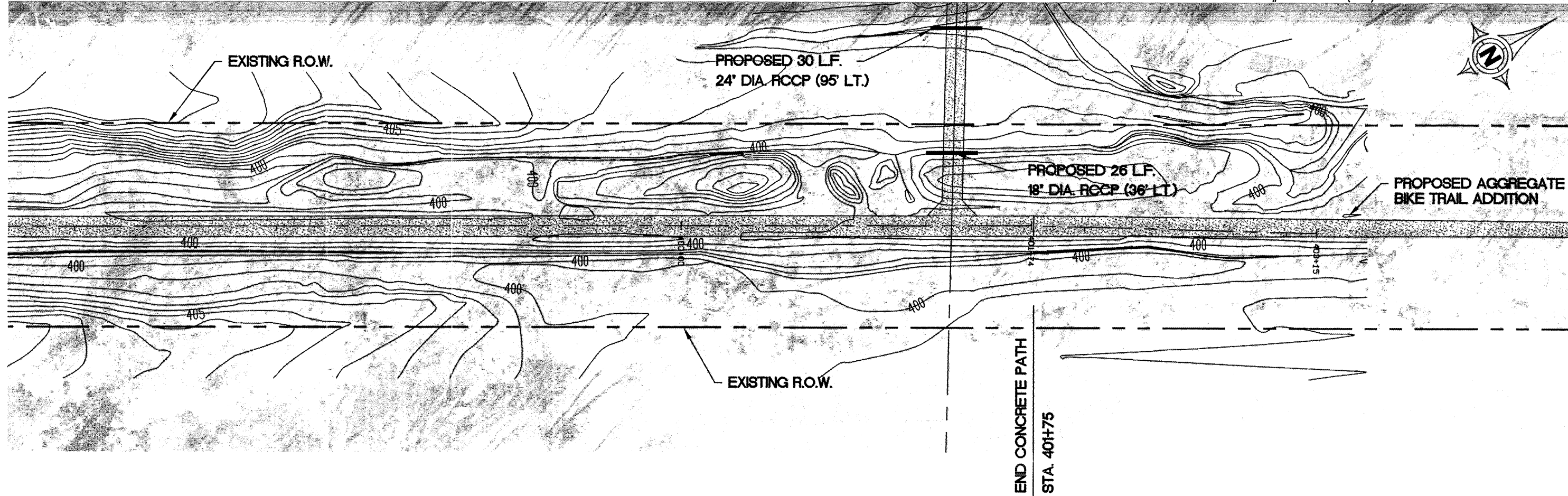


NOTE:
ALL NECESSARY TREE REMOVAL SHALL BE CONSIDERED PART OF GRADING AND SHAPING ROADWAY.

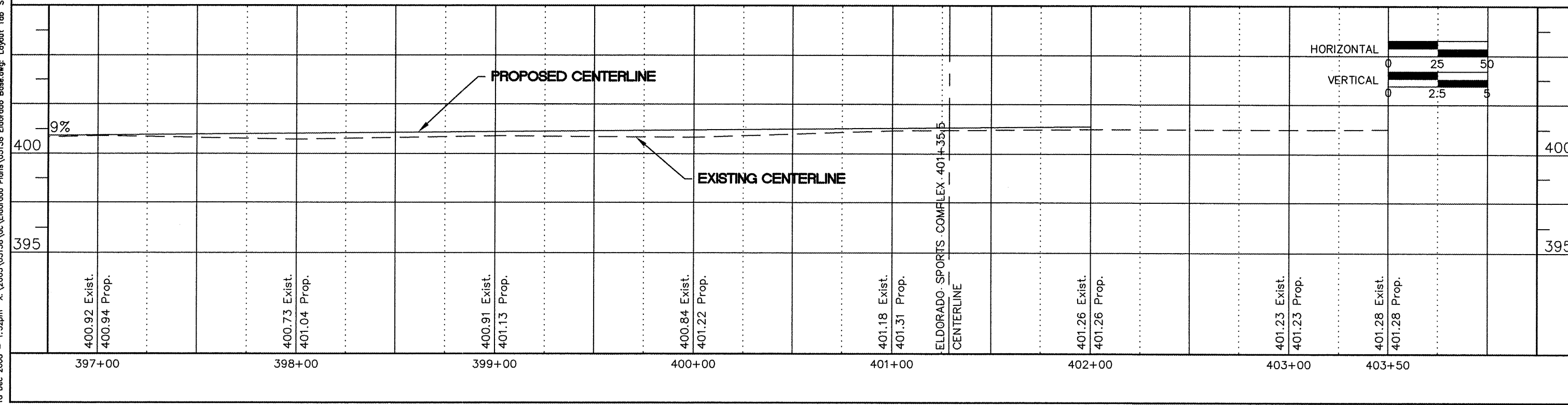
**ELDORADO SPORTS COMPLEX
END SIDEWALK 114' LT. OF CL**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	27
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

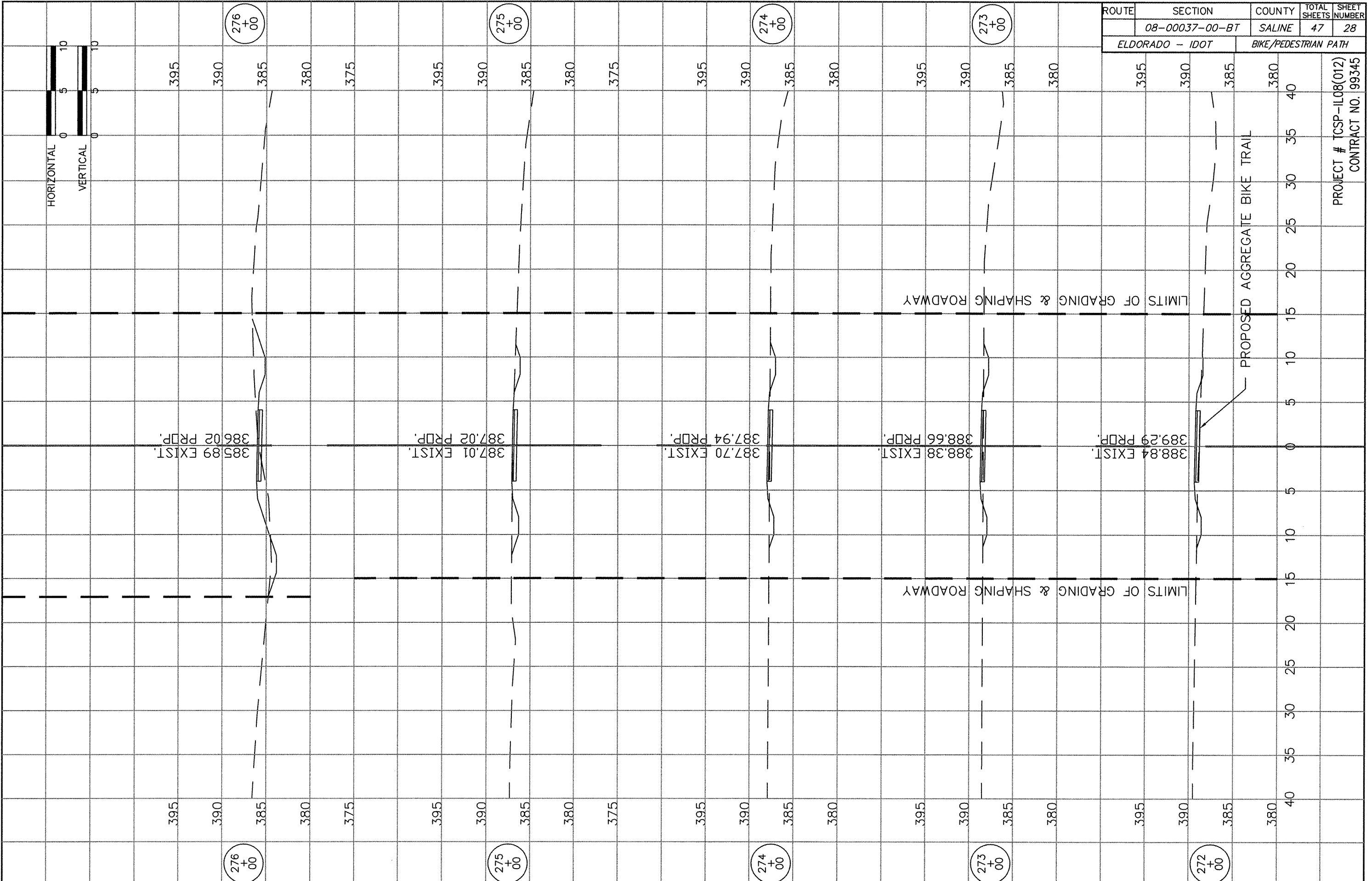
PROJECT # TCSP-IL08(012) CONTRACT NO. 99345



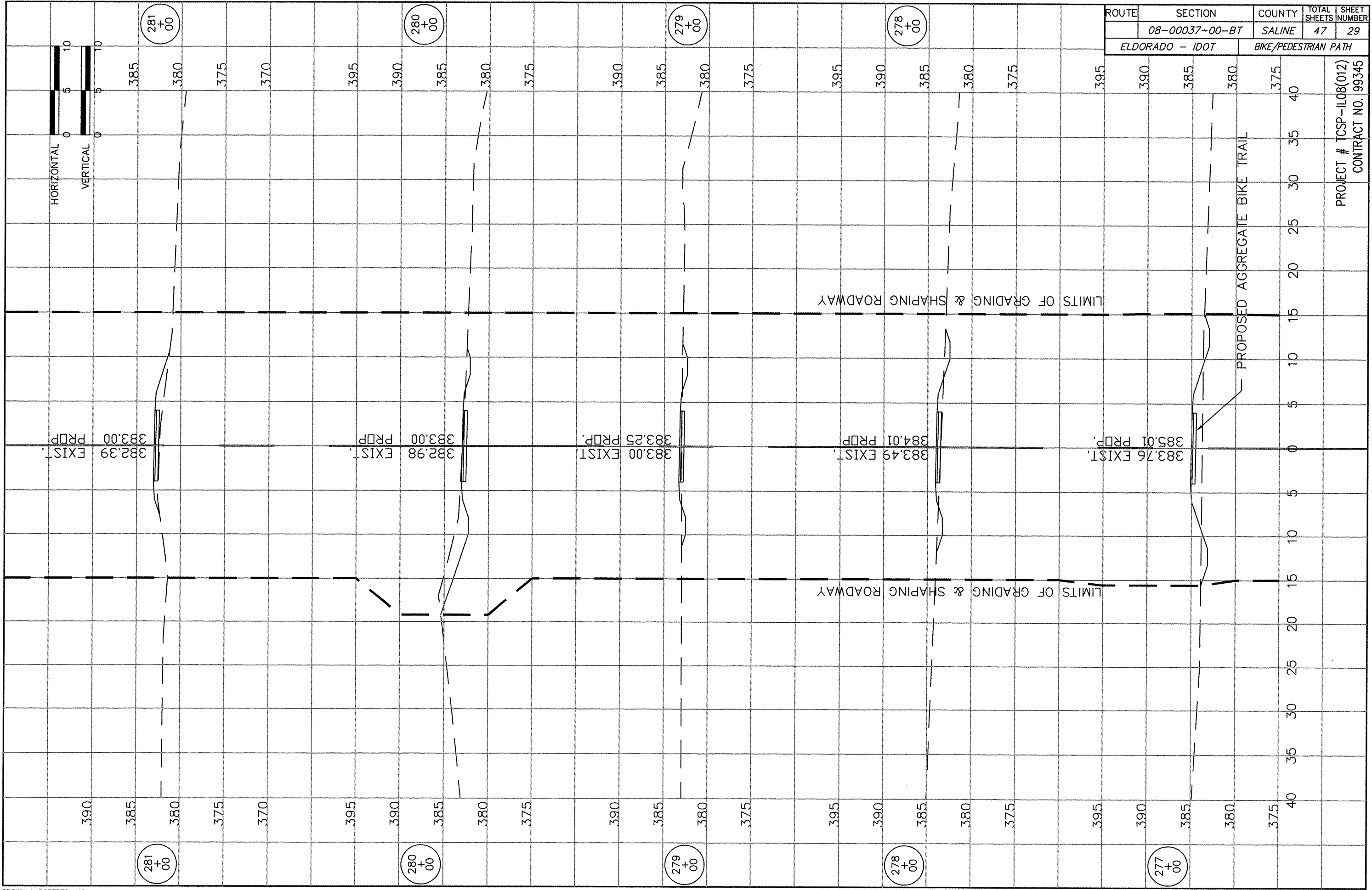
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	28
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

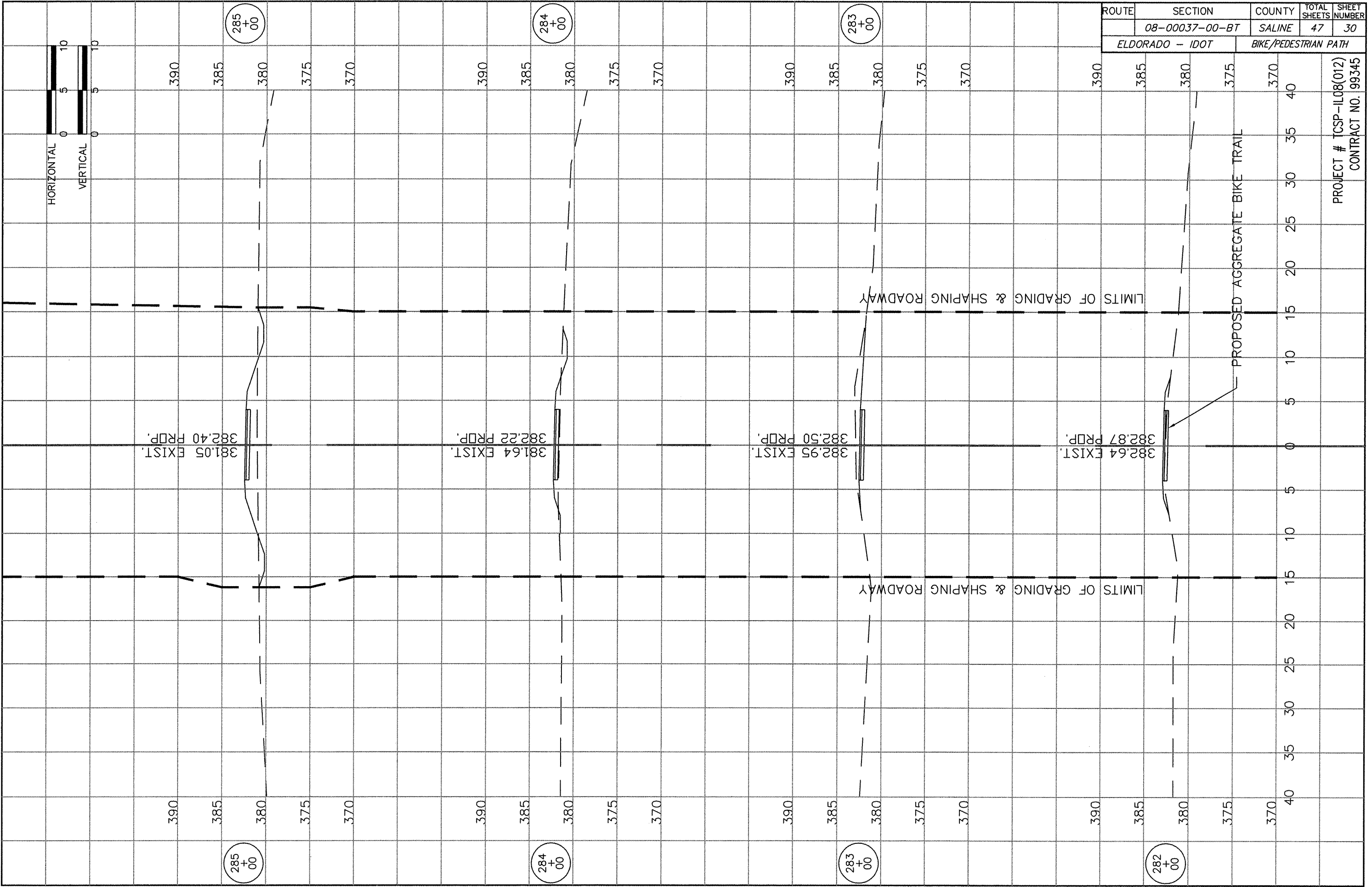


PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
08-00037-00-BT		SALINE	47	29
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)
 CONTRACT NO. 99345

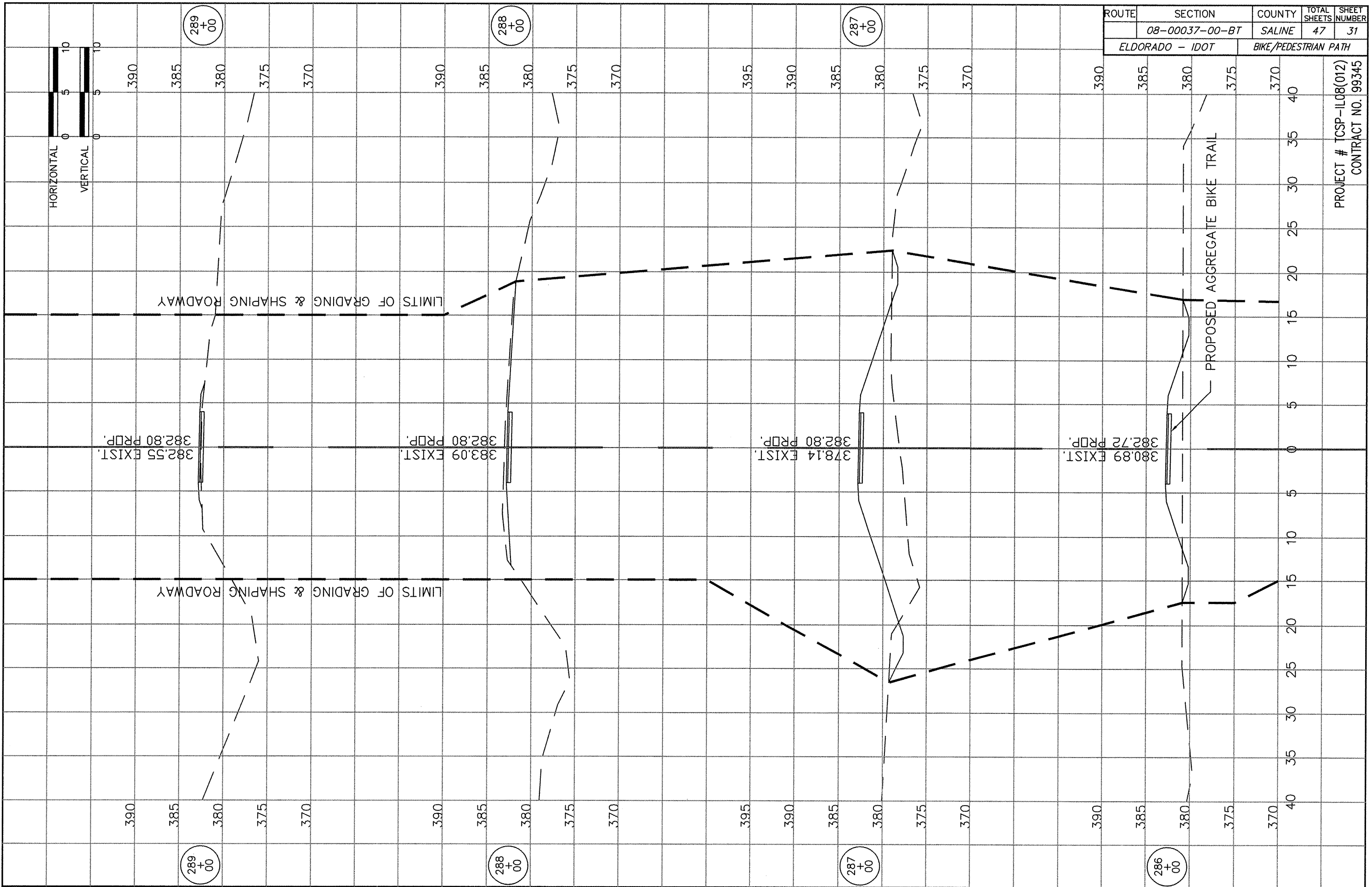


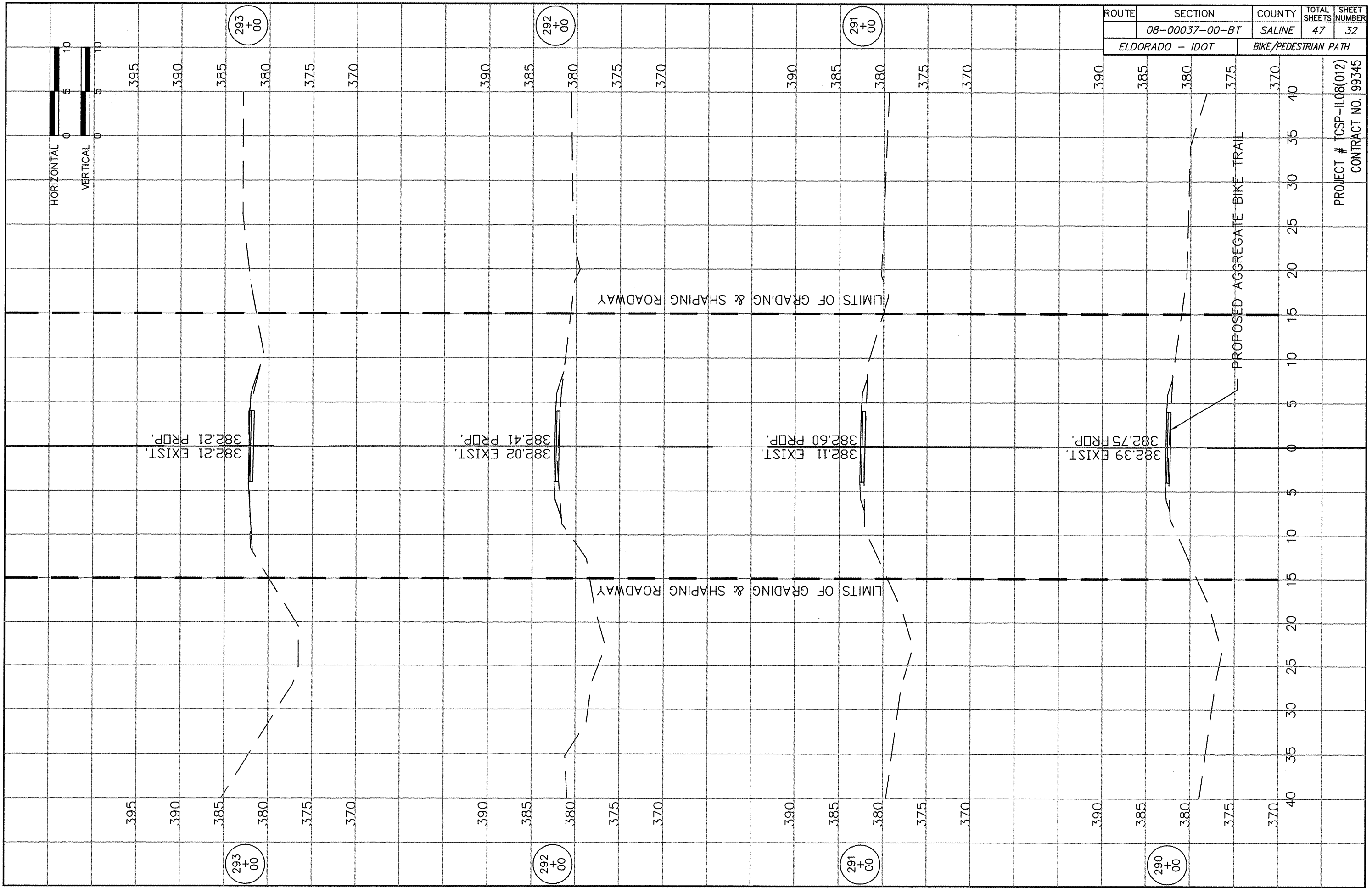
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	08-00037-00-BT	SALINE	47	30
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	31
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345

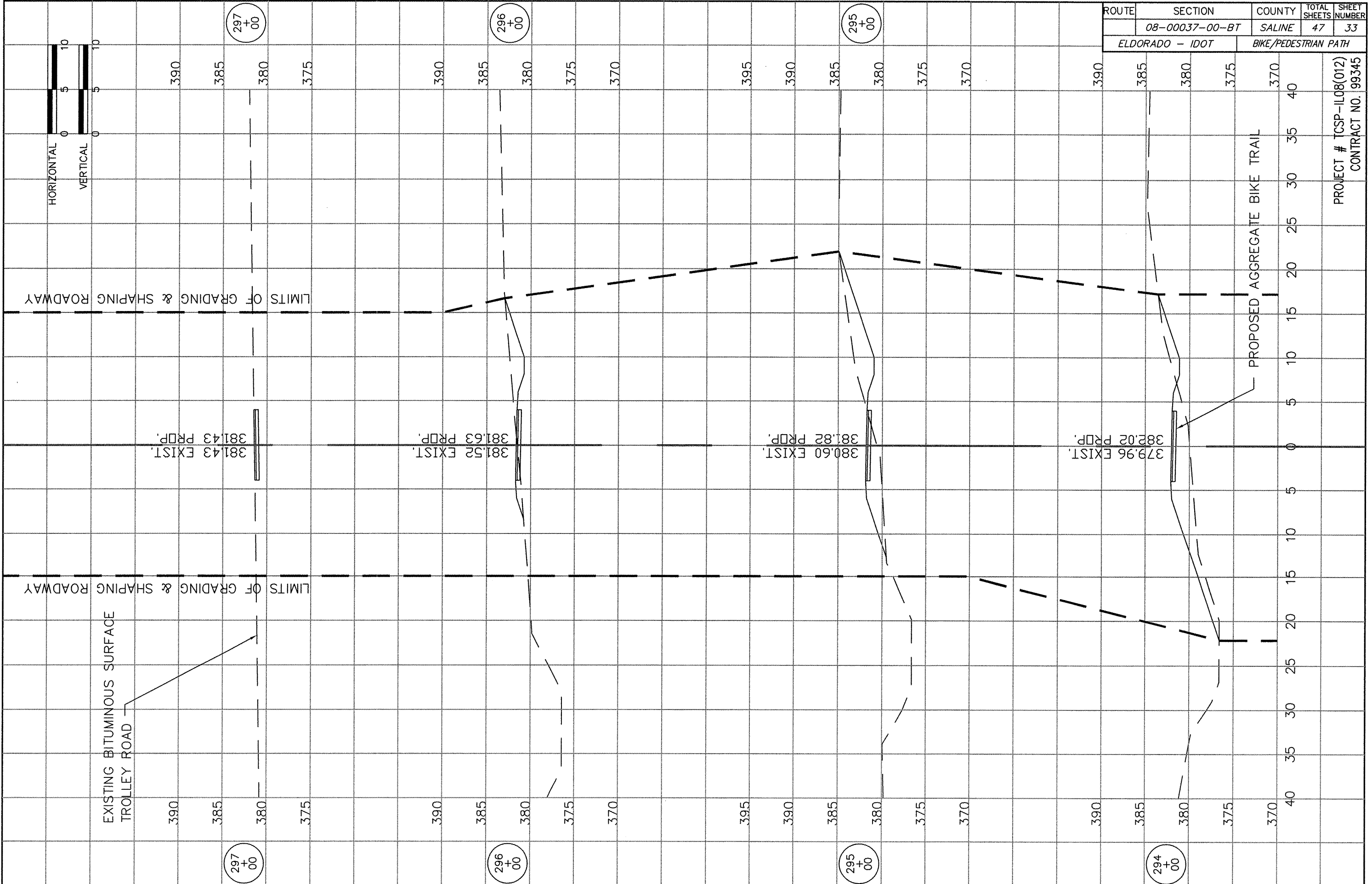




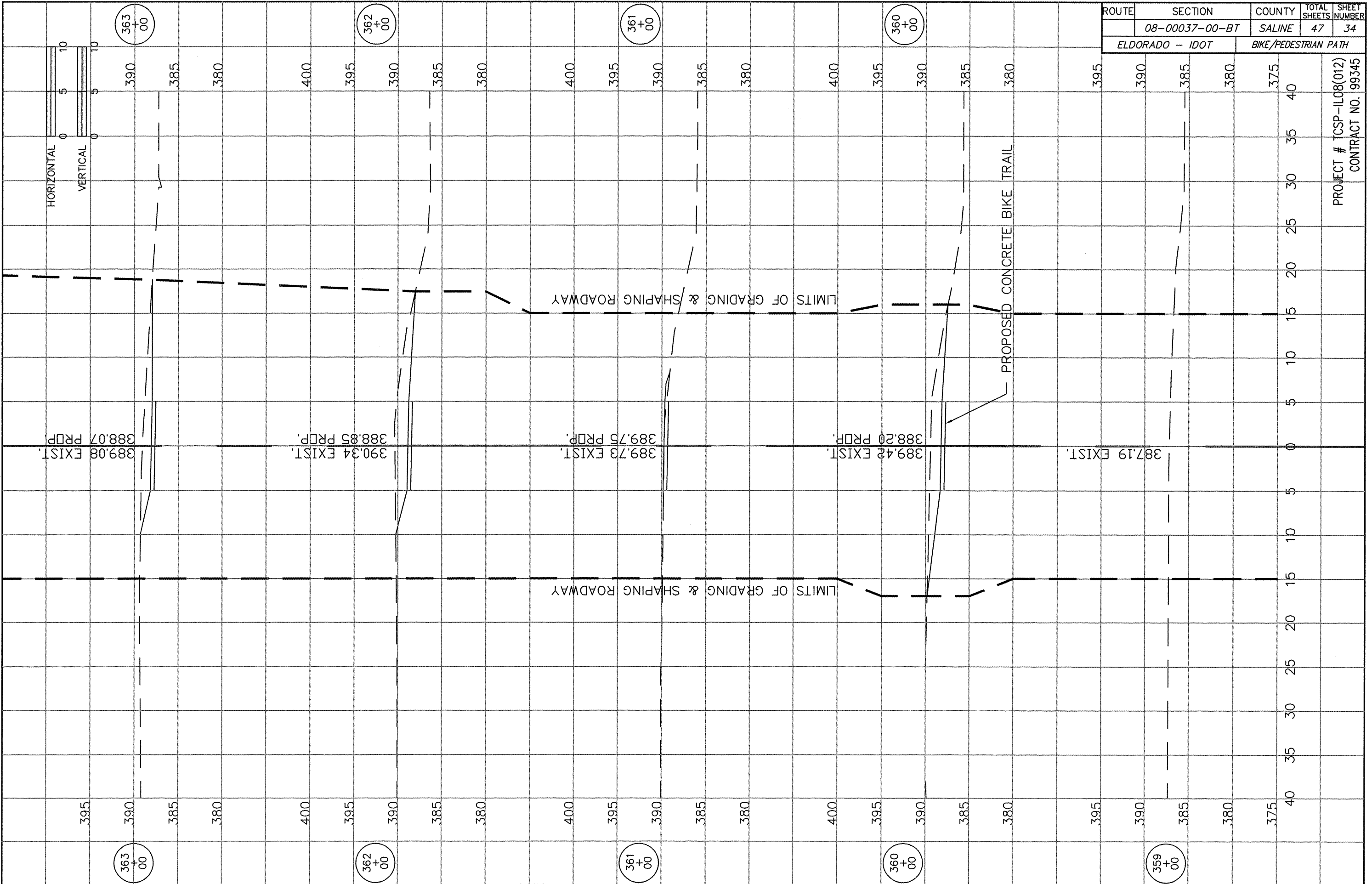
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ELDORADO - IDOT	08-00037-00-BT	SALINE	47	32
		BIKE/PEDESTRIAN PATH		

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

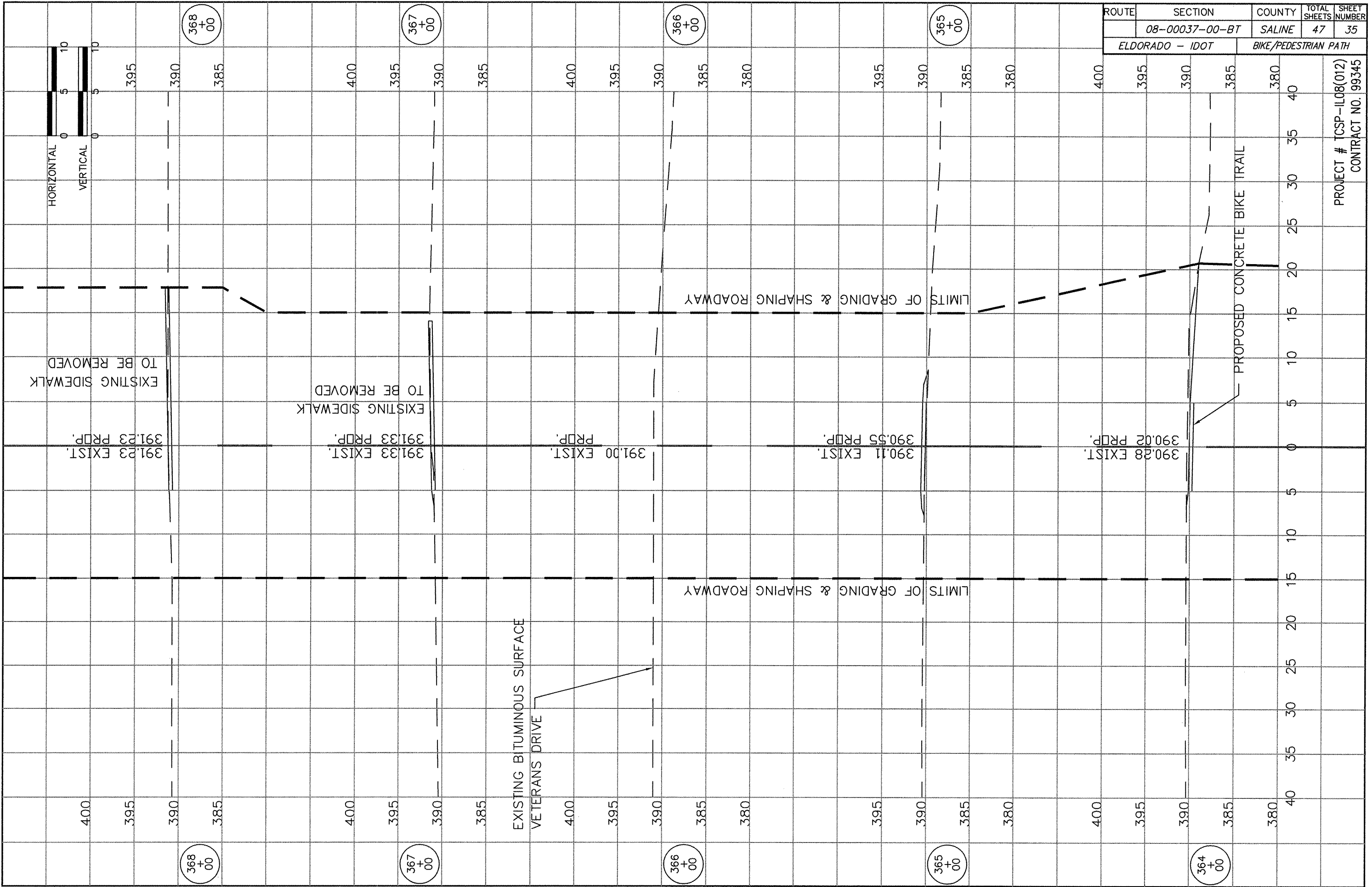


PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345

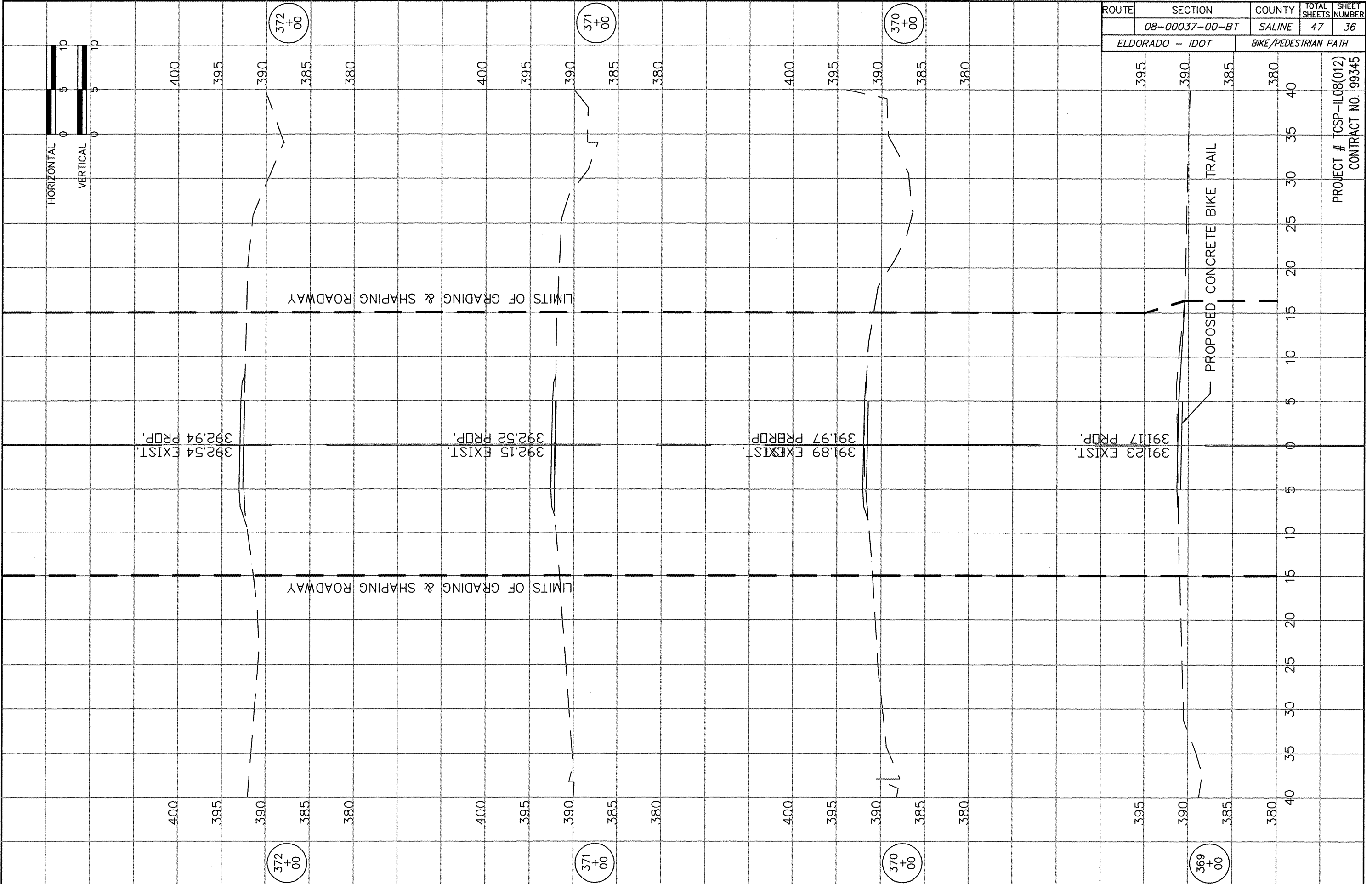


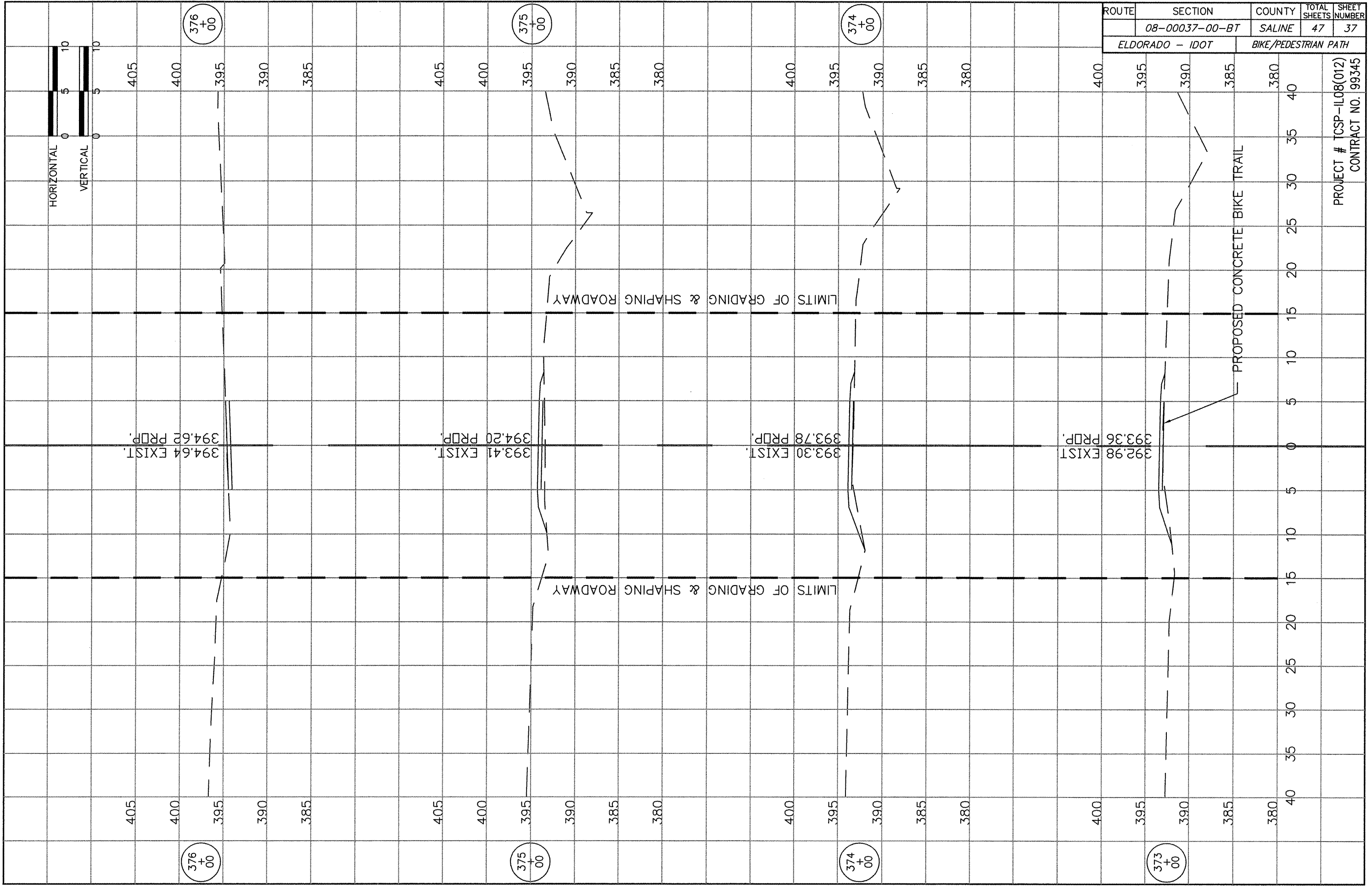
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ELDORADO - IDOT	08-00037-00-BT	SALINE	47	35
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345



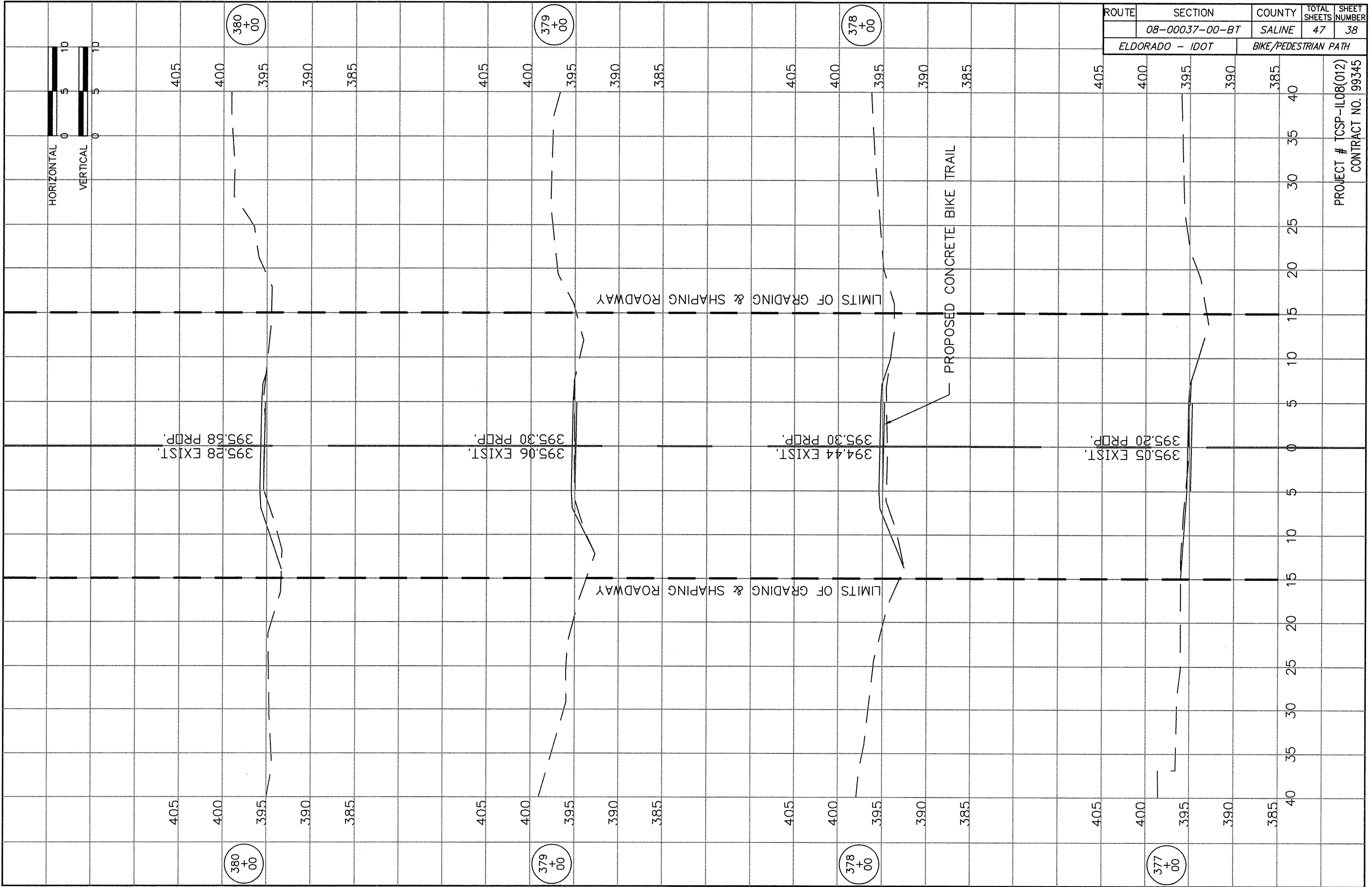
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ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		





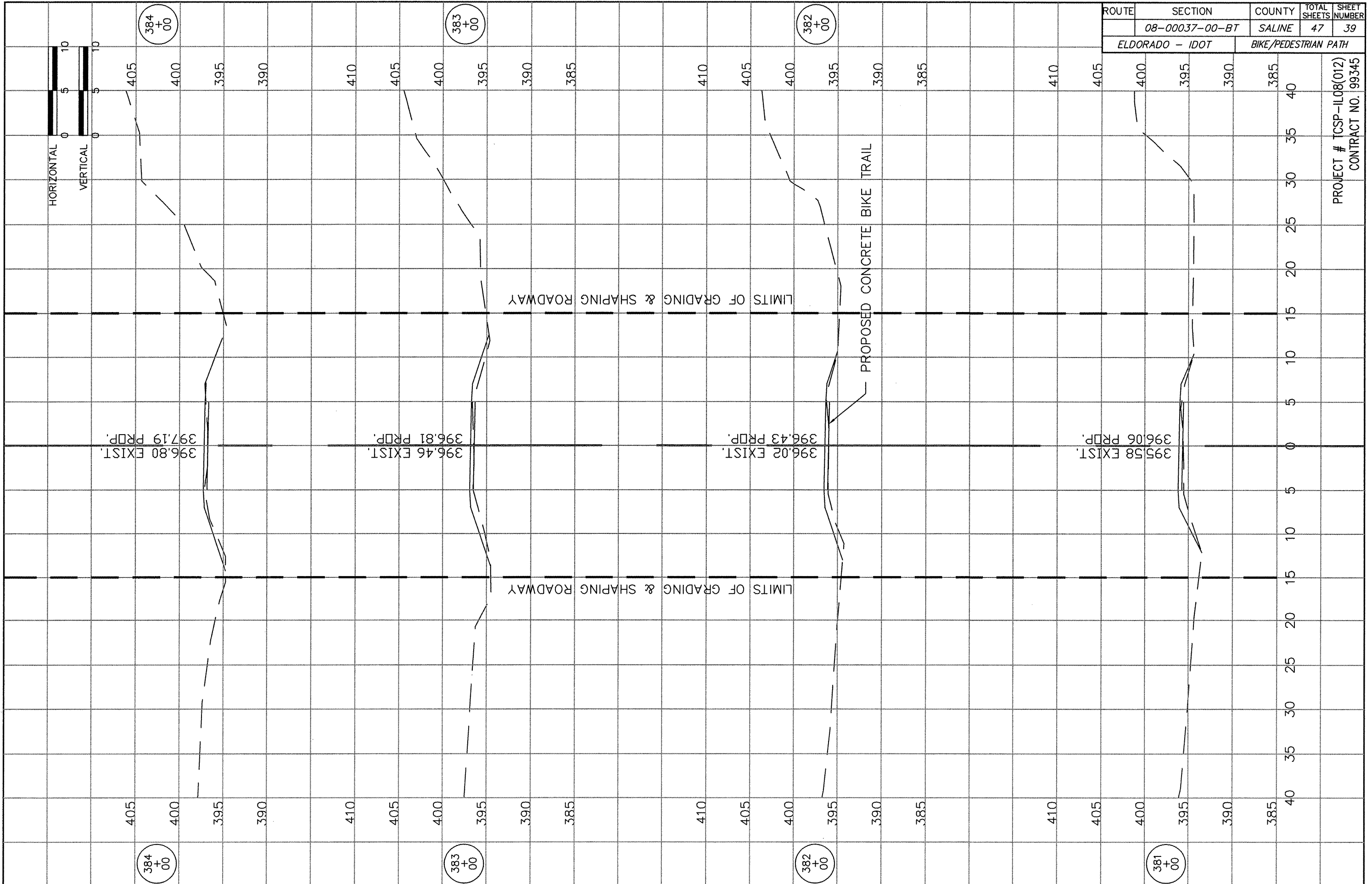
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ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345



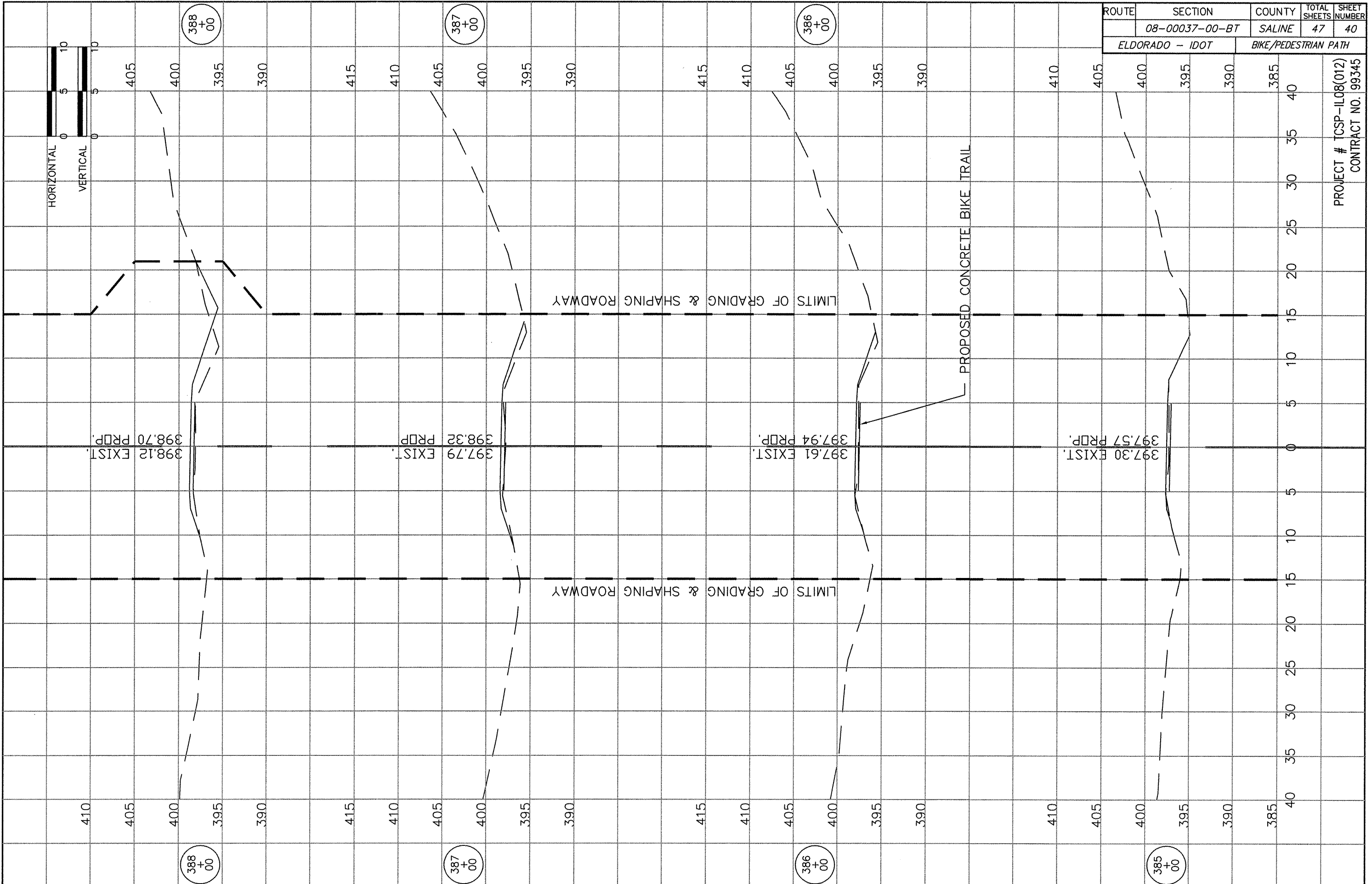
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ELDORADO - IDOT	08-00037-00-BT	SALINE	47	38
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

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CONTRACT NO. 99345



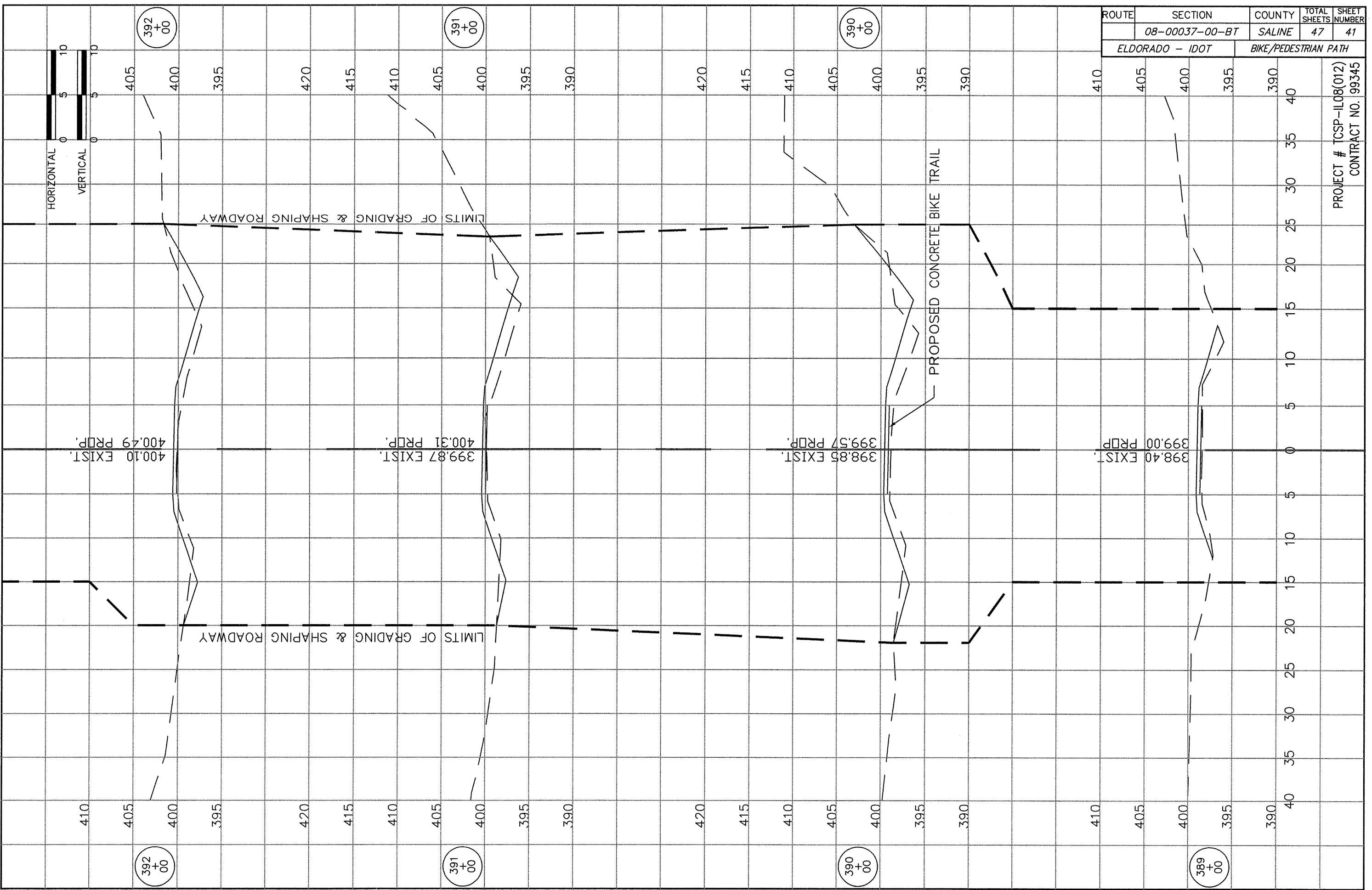
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	08-00037-00-BT	SALINE	47	39
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

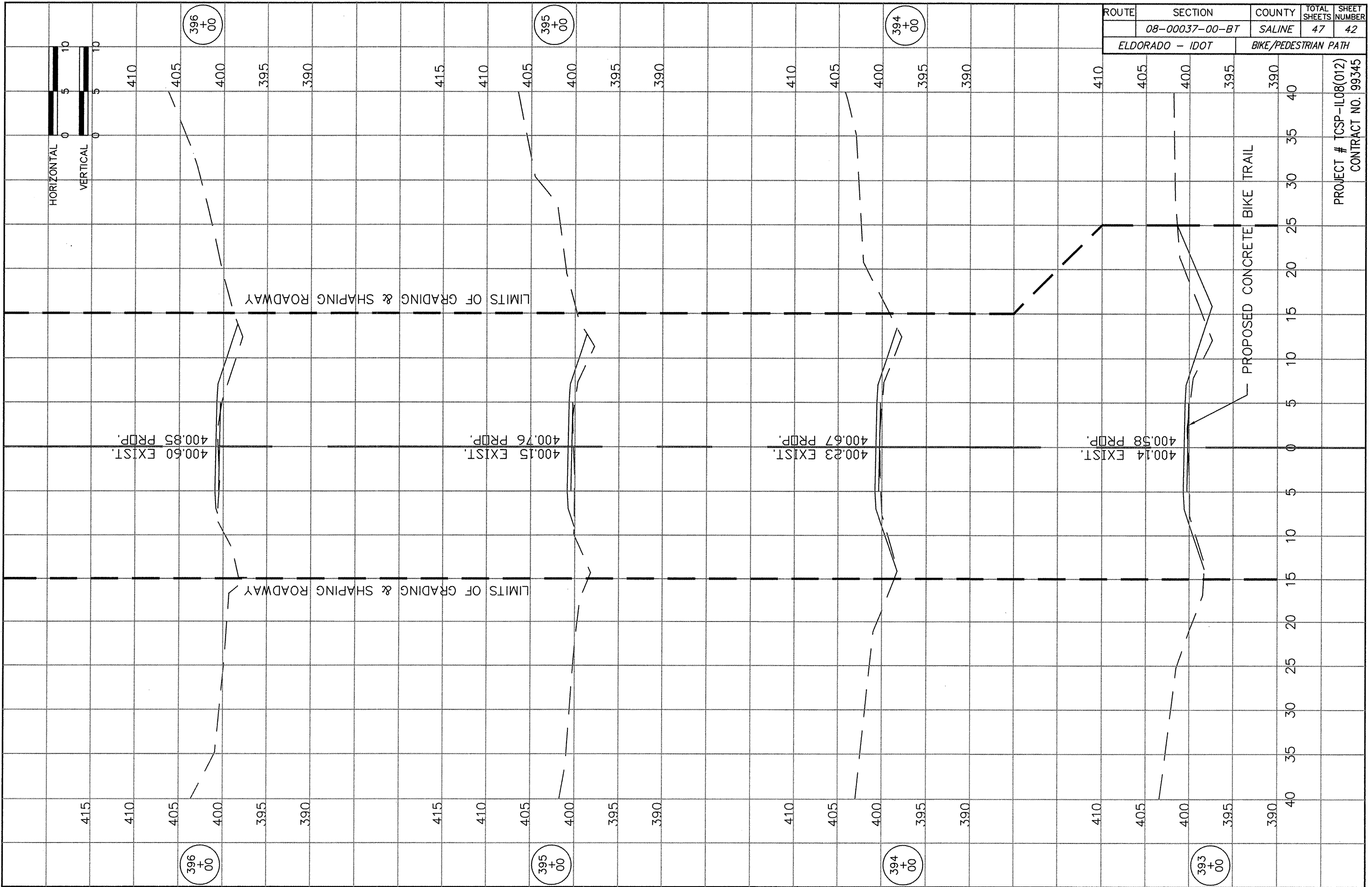
PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345

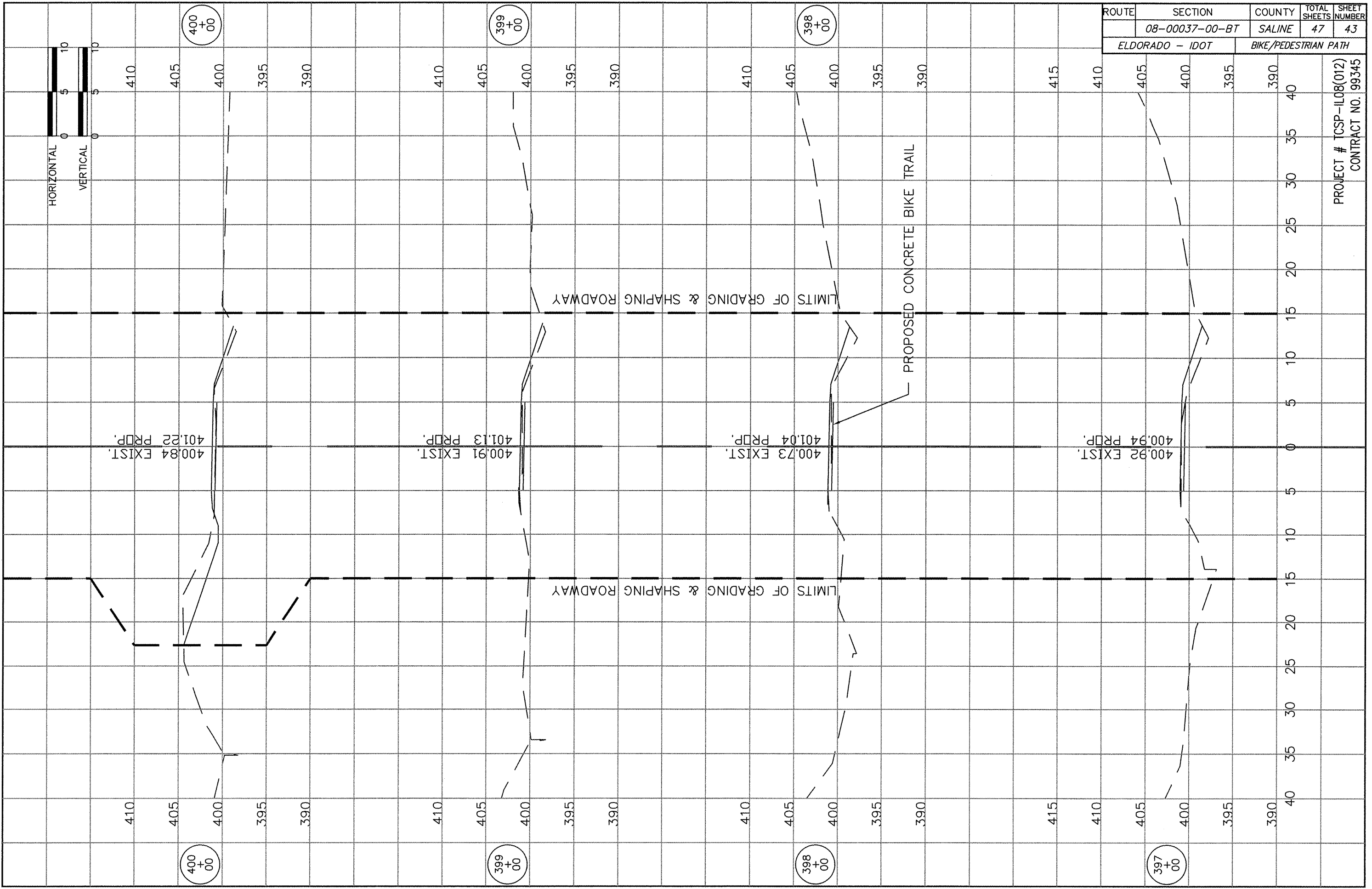


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	41
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

PROJECT # TCSP-IL08(012)
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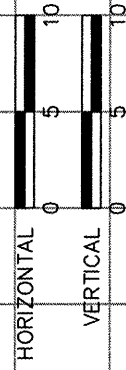


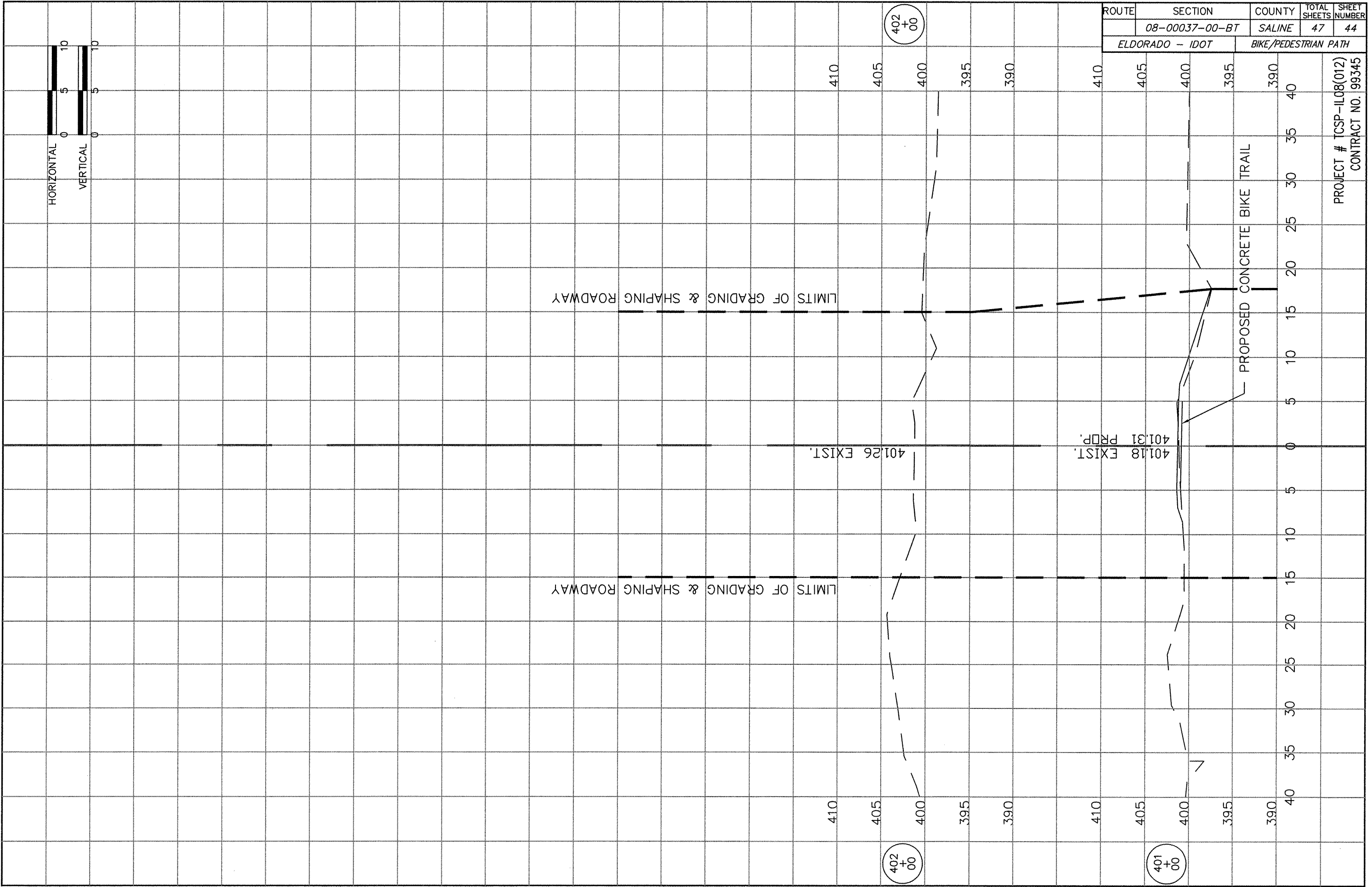




ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
ELDORADO - IDOT	08-00037-00-BT	SALINE	47	43
		BIKE/PEDESTRIAN PATH		

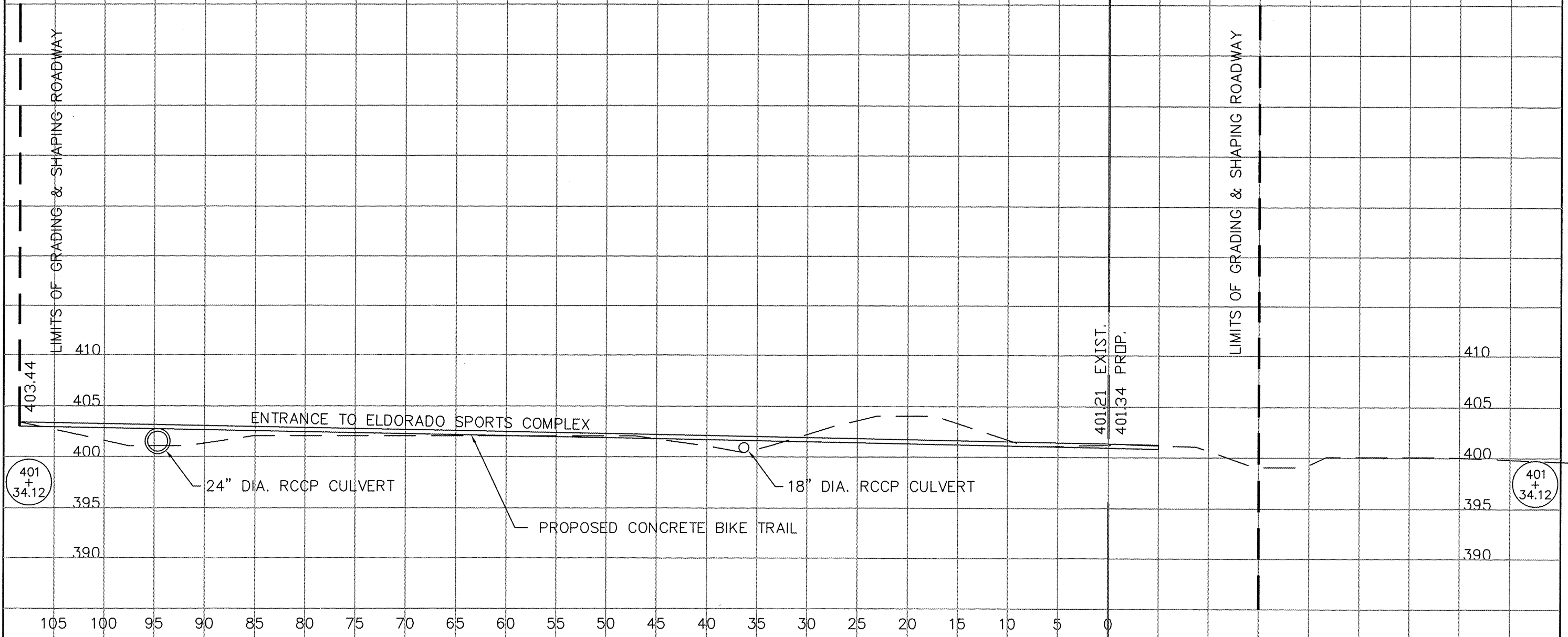
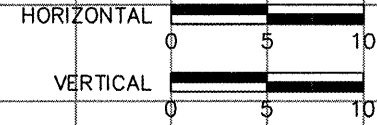
PROJECT # TCSP-IL08(012)
CONTRACT NO. 99345





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 CONTRACT NO. 99345

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	08-00037-00-BT	SALINE	47	45
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		
CONTRACT NO. 99345				
PROJECT # TCSP-IL08(012)				



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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.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00037-00-BT	SALINE	47	46
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

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AREA OF CONSTRUCTION SITE

- 1. The total area of the construction site is estimated to be 36 Acres of which approximately 8.3 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.


Rocky James, City of Eldorado December 19, 2008

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.
	08-00037-00-BT	SALINE	47	47
ELDORADO - IDOT		BIKE/PEDESTRIAN PATH		

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PROJECT # TCSP-IL08(012)