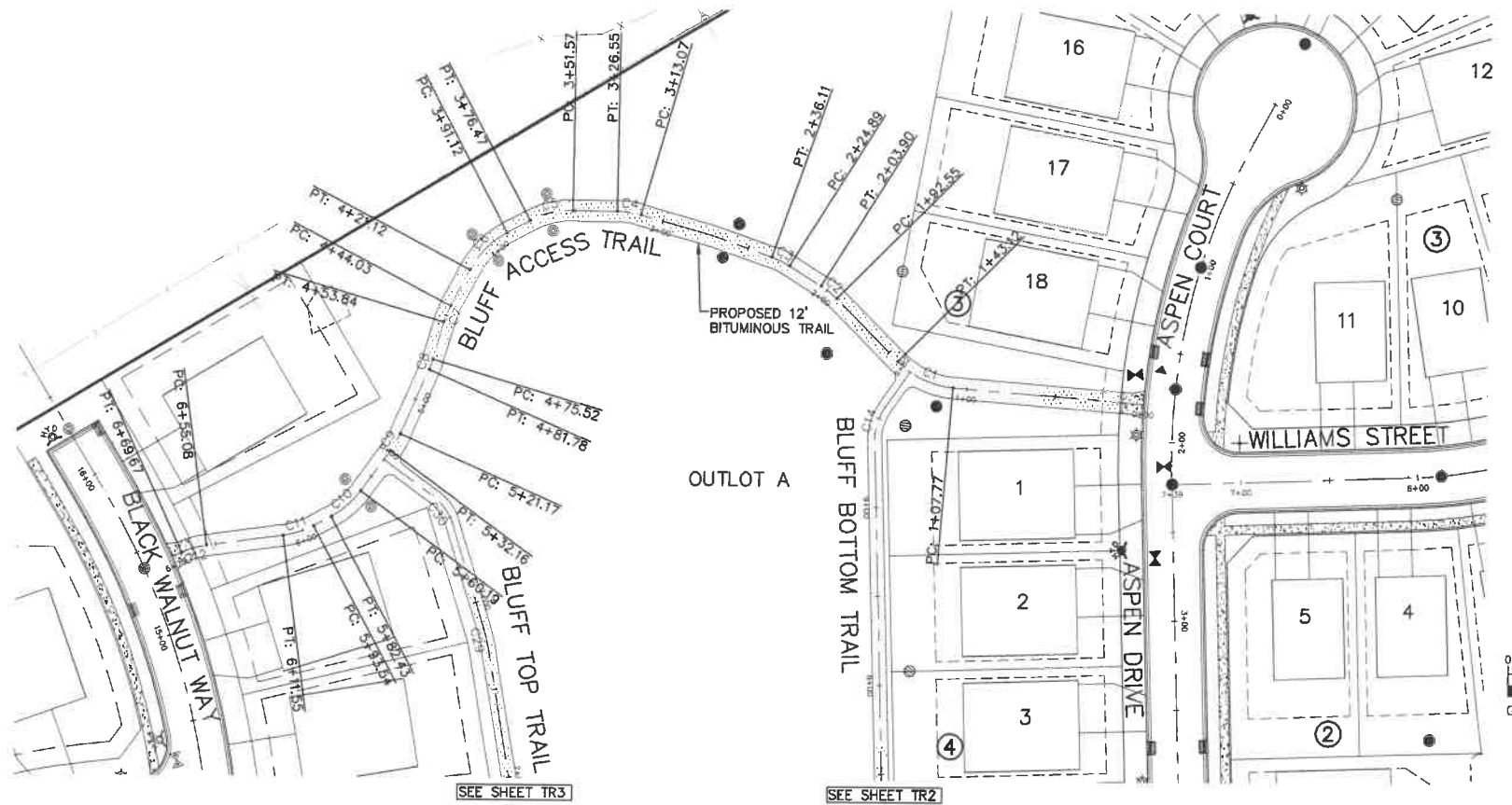
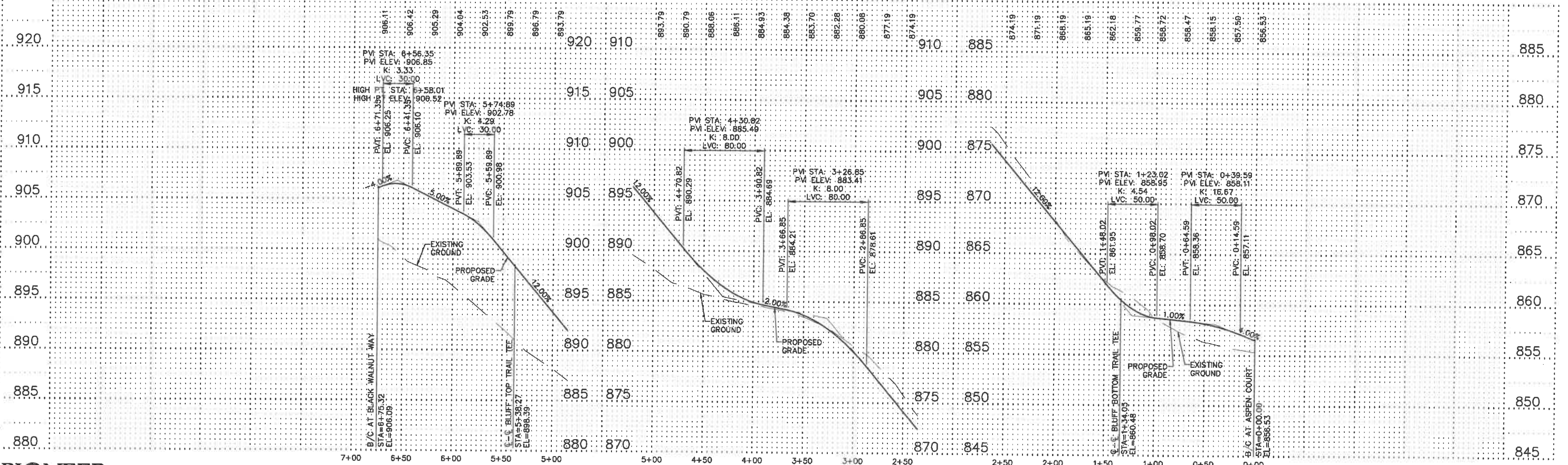


CURVE TABLE						
CURVE	DELTA	LENGTH	RADIUS	TANGENT	PC	PT
C1	40°29'57"	35.34	50.00	18.45	1+07.77	1+43.12
C2	13°00'20"	11.35	50.00	5.70	1+92.55	2+03.90
C3	12°50'54"	11.21	50.00	5.63	2+24.89	2+36.11
C4	15°26'54"	13.48	50.00	6.78	3+13.07	3+26.55
C5	28°31'33"	24.89	50.00	12.71	3+51.57	3+76.47
C6	34°22'53"	30.00	50.00	15.47	3+91.12	4+21.12
C7	11°14'05"	9.80	50.00	4.92	4+44.03	4+53.84
C8	7°10'13"	6.26	50.00	3.13	4+75.52	4+81.78
C9	12°35'59"	11.00	50.00	5.52	5+21.17	5+32.16
C10	25°28'42"	22.23	50.00	11.30	5+60.19	5+82.43
C11	20°37'49"	18.00	50.00	9.10	5+93.54	6+11.55
C12	16°43'25"	14.59	50.00	7.35	6+55.08	6+69.67

DESIGN DESIGNATION
BICYCLE DESIGN (TRAIL)
ARBOR BLUFF TRAILS
DESIGN SPEED 15 MPH
BASED ON STOPPING SIGHT DISTANCE
HEIGHT OF EYE 3.83' HEIGHT OF OBJECT 0.0'



BLUFF ACCESS TRAIL



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2422 Enterprise Drive
Mendota Heights, MN 55120
(651) 681-1914
Fax: 681-9488
www.pioneereng.com

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Name: John M. Molinaro
Reg. No.: 43831
Date: XX-XX-24

Revisions

Date: XX-XX-24
Designed: JMM
Drawn: PDS/MBO

TRAIL CONSTRUCTION PLAN

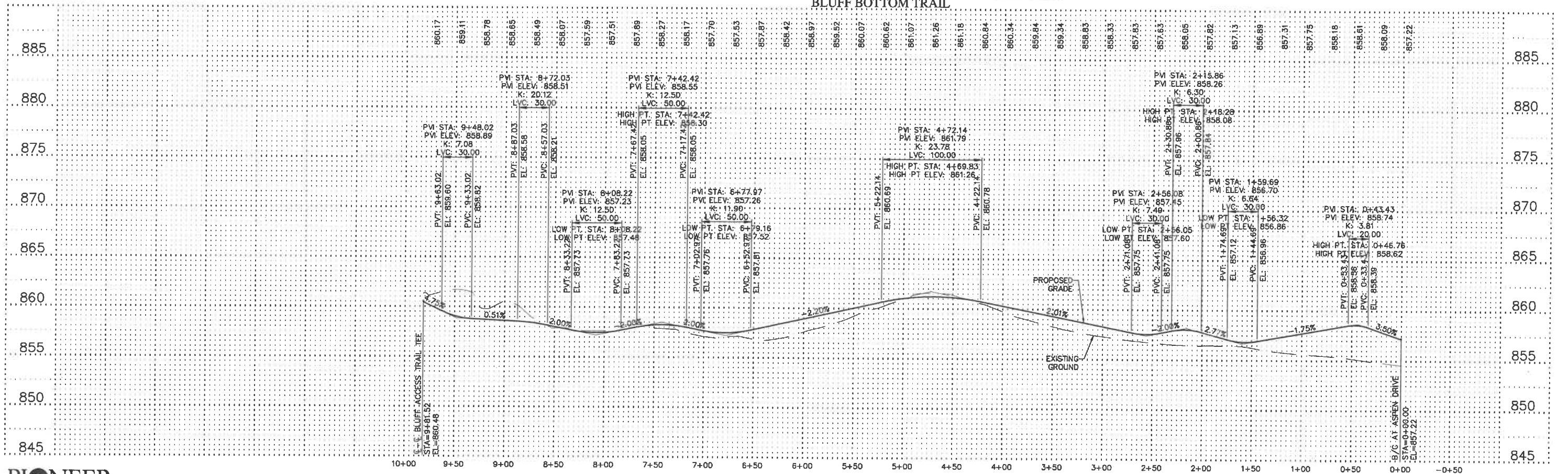
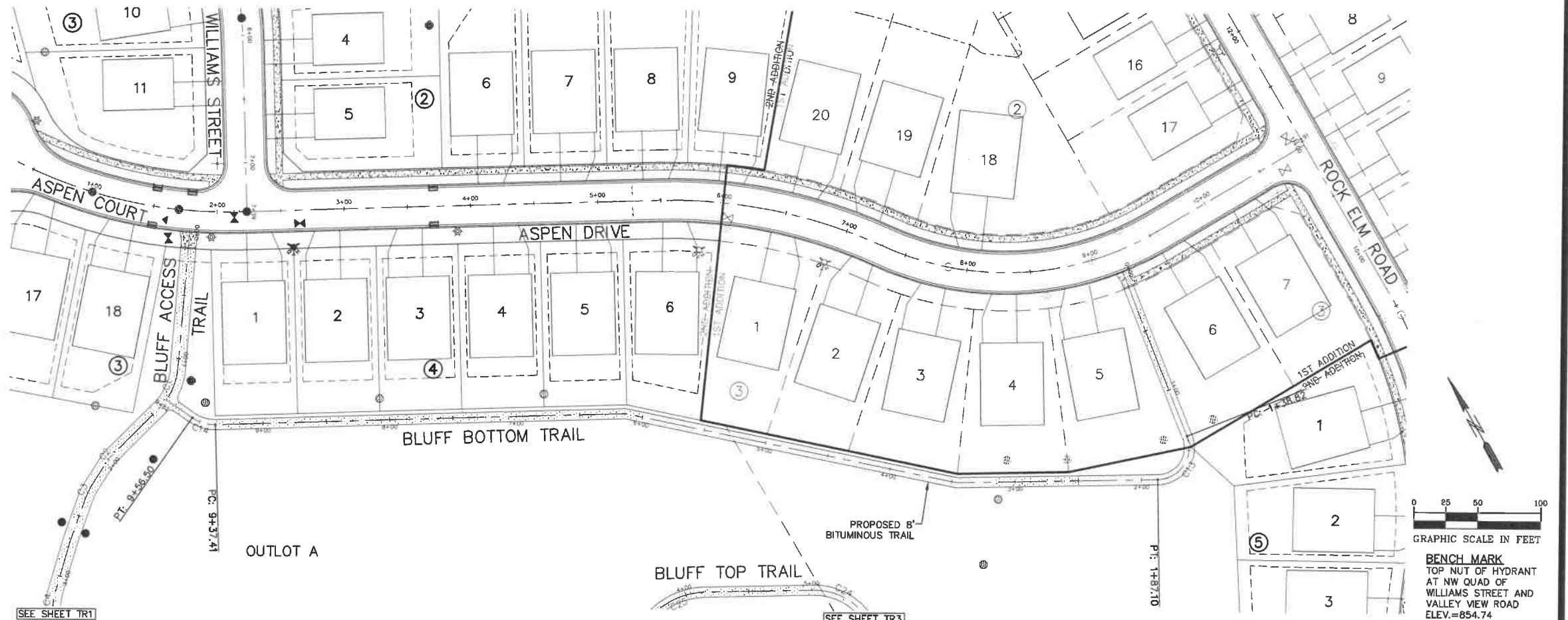
LENNAR
16305 36TH AVENUE NORTH
PLYMOUTH, MINNESOTA 55446

ARBOR BLUFF
SHAKOPEE, MINNESOTA

TR1 of TR4

CURVE TABLE						
CURVE	DELTA	LENGTH	RADIUS	TANGENT	PC	PT
C13	110°38'32"	48.28	25.00	36.13	1+38.82	1+87.10
C14	36°27'36"	19.09	30.00	9.88	9+37.41	9+56.50

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TRAIL CONSTRUCTION PLAN

LENNAR
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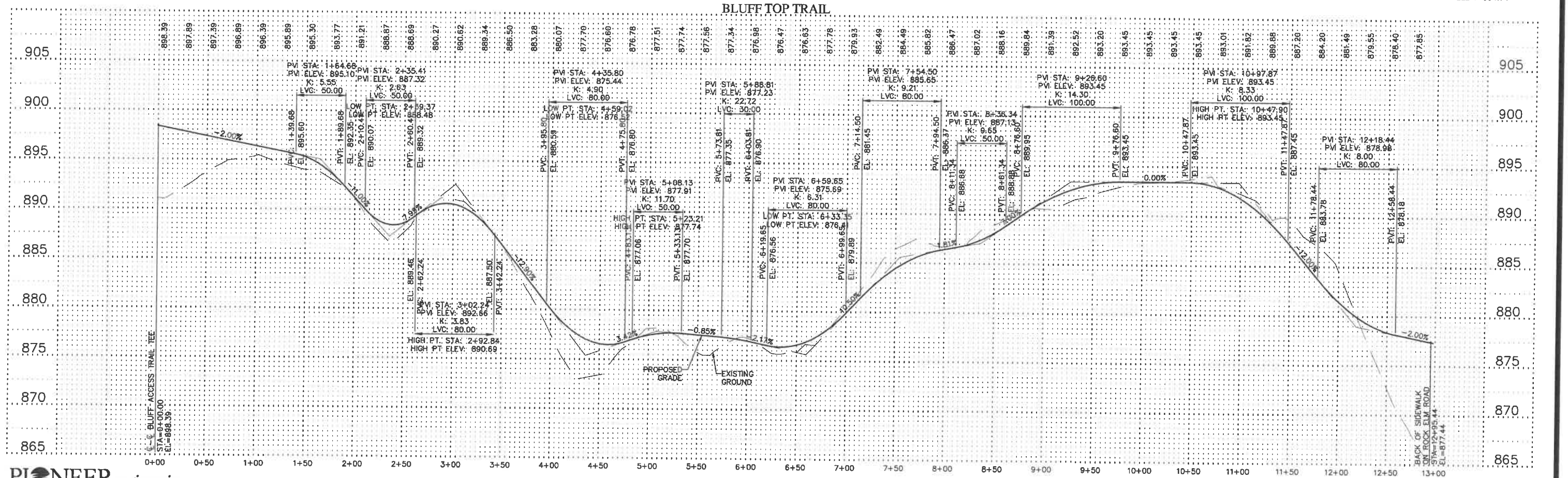
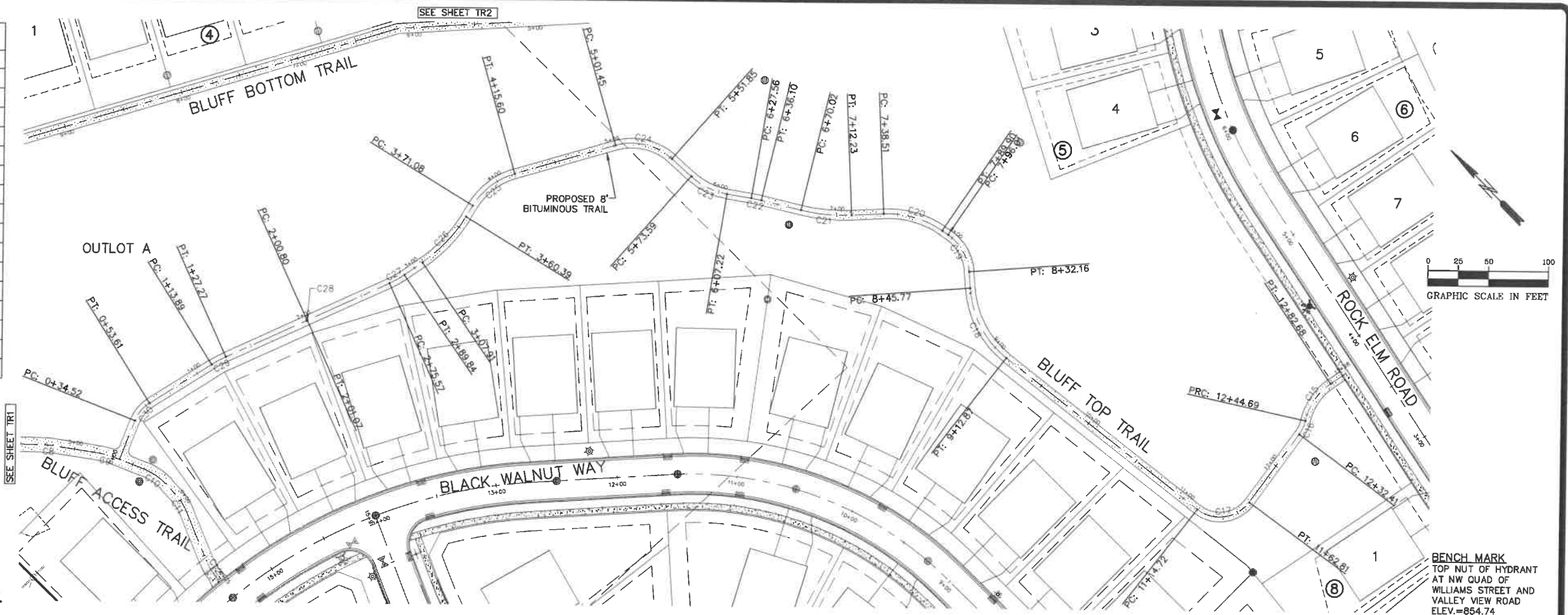
ARBOR BLUFF
SHAKOPEE, MINNESOTA

TR2 OF TR4

CURVE TABLE						
CURVE	DELTA	LENGTH	RADIUS	TANGENT	PC	PT
C15	43°31'55"	37.99	50.00	19.96	12+44.69	12+82.68
C16	23°27'32"	12.28	30.00	6.23	12+32.41	12+44.69
C17	91°50'54"	48.09	30.00	30.98	11+14.72	11+62.81
C18	48°03'25"	67.10	80.00	35.67	8+45.77	9+12.87
C19	51°46'49"	36.15	40.00	19.41	7+96.01	8+32.16
C20	36°48'13"	51.39	80.00	26.62	7+38.51	7+89.90
C21	16°07'12"	42.20	150.00	21.24	6+70.02	7+12.23
C22	3°54'51"	8.54	125.00	4.27	6+27.56	6+36.10
C23	32°06'52"	33.63	60.00	17.27	5+73.59	6+07.22
C24	57°45'31"	50.40	50.00	27.58	5+01.45	5+51.85
C25	42°30'50"	44.52	60.00	23.34	3+71.08	4+15.60
C26	24°03'15"	52.48	125.00	26.63	3+07.91	3+60.39
C27	10°13'08"	14.27	80.00	7.15	2+75.57	2+89.84
C28	0°09'27"	0.27	100.00	0.14	2+00.80	2+01.07
C29	7°40'02"	13.38	100.00	6.70	1+13.89	1+27.27
C30	36°27'46"	19.09	30.00	9.88	0+34.52	0+53.61

DESIGN DESIGNATION BICYCLE DESIGN (TRAIL) ARBOR BLUFF TRAILS

DESIGN SPEED 15 MPH
BASED ON STOPPING SIGHT DISTANCE
HEIGHT OF EYE 3.83' HEIGHT OF OBJECT 0.0'



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Name

John M. Mallonee

Reg. No.

45831

Date

XX-XX-2024

Revisions

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TRAIL CONSTRUCTION PLAN

LENNAR
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PLYMOUTH, MINNESOTA 55446

ARBOR BLUFF
SHAKOPEE, MINNESOTA

00-ENG-123059-SHEET-TRAIL

TR3 OF TR4

CURVE TABLE						
CURVE	DELTA	LENGTH	RADIUS	TANGENT	PC	PT
C31	5°52'52"	10.26	100.00	5.14	9+02.93	9+13.20
C32	40°22'41"	70.47	100.00	36.77	7+65.10	8+35.58
C33	1°35'44"	2.78	100.00	1.39	7+01.14	7+03.92
C34	9°31'03"	8.31	50.00	4.16	5+58.13	5+66.44
C35	43°58'05"	38.37	50.00	20.19	4+03.01	4+41.38
C36	52°08'32"	27.30	30.00	14.68	3+13.41	3+40.71
C37	37°21'46"	19.56	30.00	10.14	2+42.01	2+61.57

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