

CARSON RIVER TRAIL SYSTEM - PHASE 3

PRISON HILL WEST

CARSON CITY, NEVADA
CC PROJECT: G504722003



308 N. CURRY STREET, SUITE 200
CARSON CITY, NV 89703
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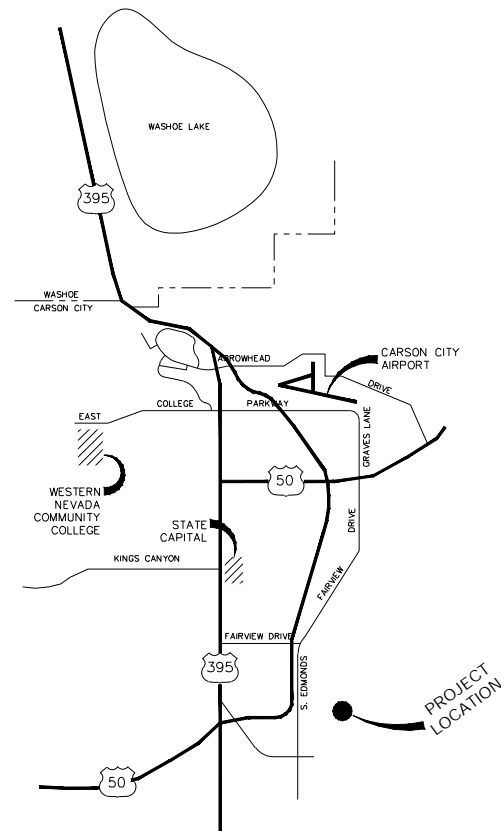


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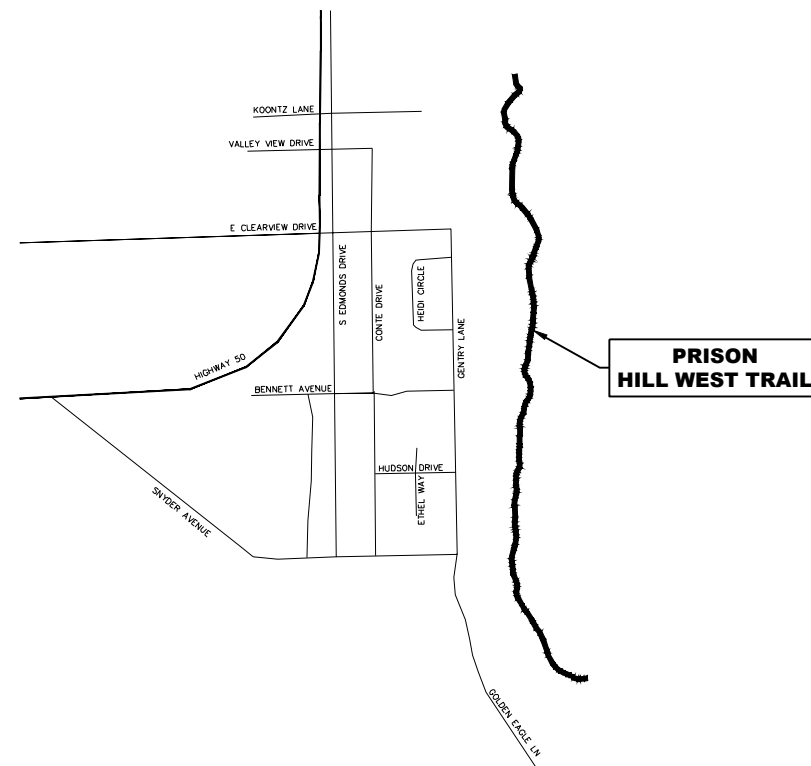
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LOCATION MAP



VICINITY MAP

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD83(94) MODIFIED BY A COMBINED SCALE FACTOR OF 1.0002000. ALL DIMENSIONS ON THIS MAP ARE GROUND DISTANCES.

BASIS OF ELEVATIONS

DATUM: NAVD 88
PROJECT BENCHMARK = CARSON CITY CONTROL POINT CC066 HAVING AN ELEVATION OF 4731.86' PER ROS 2749

SHEET INDEX:

TITLE SHEET	C1.0
NOTES, ABBREVIATIONS & LEGEND	C1.1
HORIZONTAL CONTROL AND INDEX SHEETS	C2.0
KOONTZ LANE CROSSING PLAN	C2.1
KOONTZ LANE ACCESS ROAD PLAN	C2.2 - C2.3
KOONTZ LANE TRAILHEAD PARKING PLAN	C2.4A-C2.4C
PRISON HILL TRAIL WEST PLAN AND PROFILE SHEETS	C2.5 - C2.31
BMP & REVEGETATION SHEETS	C3.1 - C3.14
(NOT INCLUDED WITH THIS REVIEW SET)	
DETAILS SHEETS	D1.1-D1.14

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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
TITLE SHEET
 CARSON CITY
 NEVADA

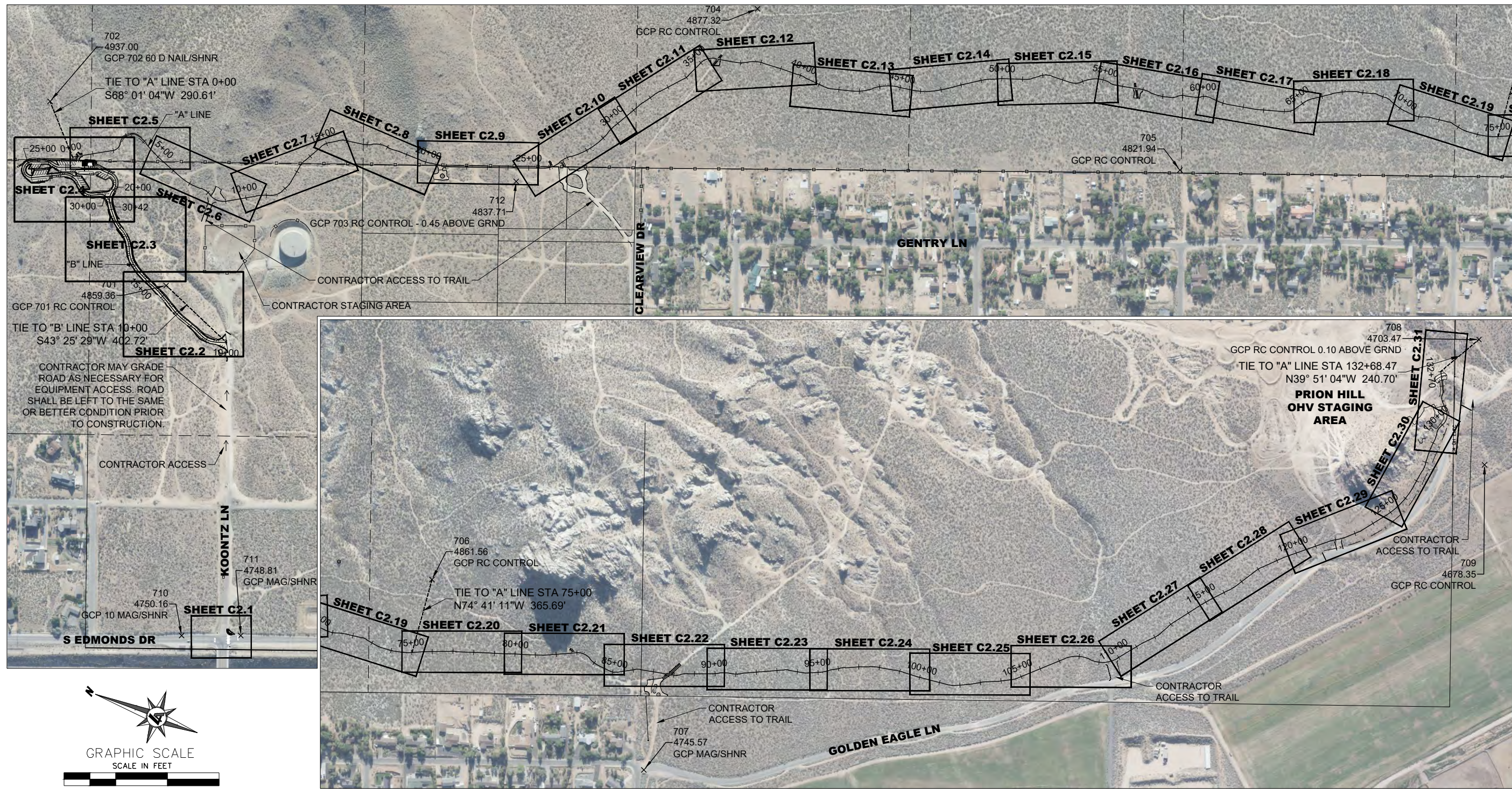
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HORIZONTAL CONTROL AND SHEET INDEX
CARSON CITY, NEVADA

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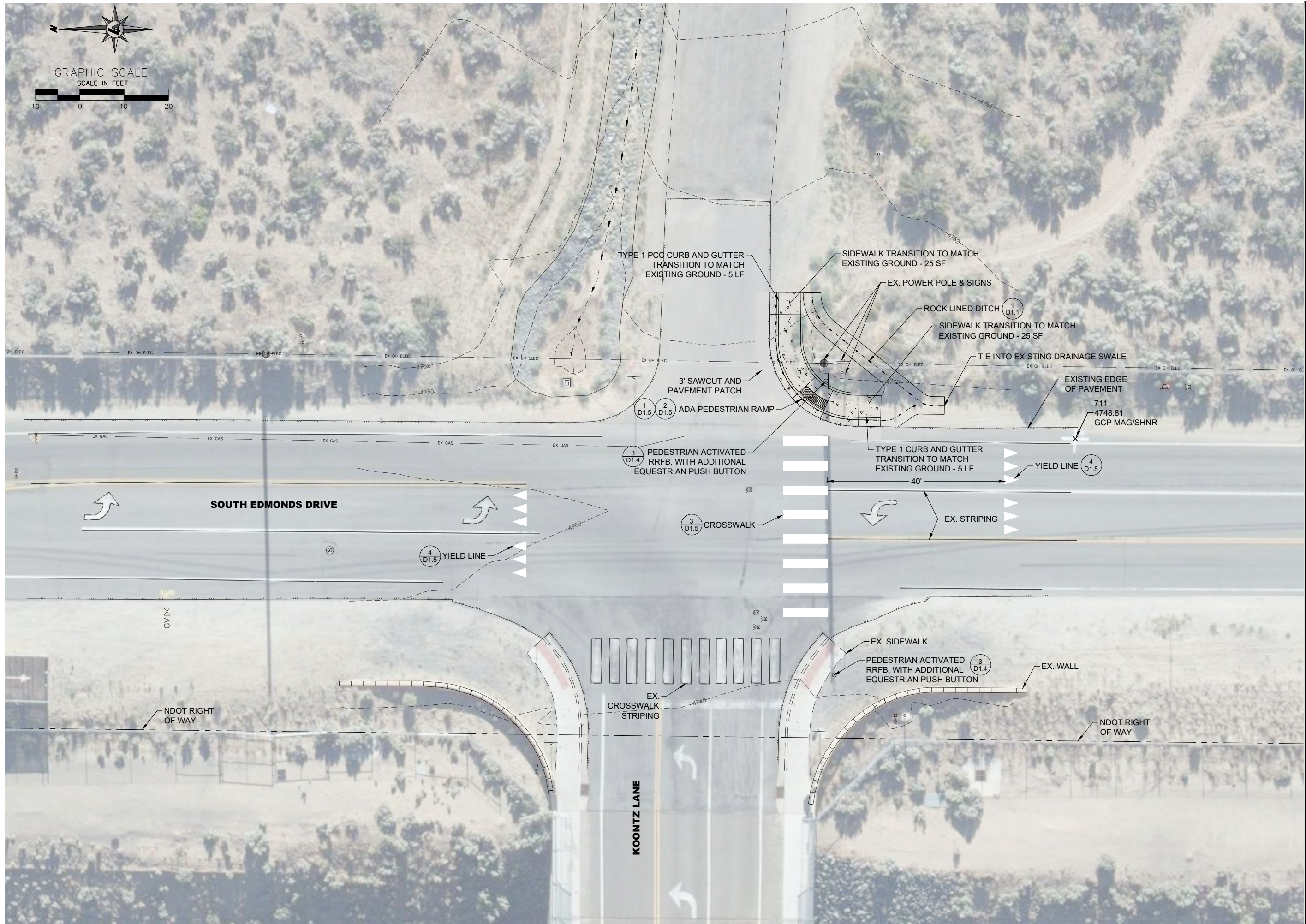
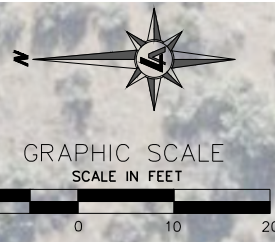
PROJECT CONTROL POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
701	14724621.75	2297051.99	4859.36	GCP 701 RC CONTROL
702	14725183.58	2297942.53	4937.00	GCP 702 60 D NAIL/SHNR
704	14721761.90	2298390.39	4877.32	GCP RC CONTROL
705	14719718.35	2297610.68	4821.94	GCP RC CONTROL
706	14718081.99	2298125.28	4861.56	GCP RC CONTROL
707	14717057.08	2297205.09	4745.57	GCP MAG/SHNR
708	14713018.05	2299285.30	4703.47	GCP RC CONTROL 0.10 ABOVE GRND
709	14712991.34	2298679.86	4678.35	GCP RC CONTROL
710	14724546.87	2295357.83	4750.16	GCP 10 MAG/SHNR
711	14724260.66	2295357.98	4748.81	GCP MAG/SHNR
712	14722929.00	2297555.76	4837.71	GCP 703 RC CONTROL - 0.45 ABOVE GRND

ALIGNMENT TIES

FROM	TO	DISTANCE	BEARING
CP 702	"A" STA 0+00	290.61'	S68° 01' 04.21"W
CP 706	"A" STA 75+00	371.21'	N72° 57' 10.91"W
CP 708	"A" STA 132+47	255.09'	N44° 21' 35.02"W

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CARSON CITY

CARSON RIVER TRAIL SYSTEM - PHASE 3

PRISON HILL WEST

KOONTZ LANE CROSSING PLAN

CARSON CITY NEVADA

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MATCH LINE
SEE SHEET C2.3



LINE TABLE		
LINE #	LENGTH	DIRECTION
L101	53.41	N2° 36' 47.83"E
L102	46.62	N43° 56' 20.74"E
L103	83.12	N39° 49' 56.27"E
L104	43.76	N51° 15' 36.81"E
L105	39.32	N43° 49' 46.33"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C98	100.00	72.13	41.33
C99	150.00	10.75	4.11
C100	200.00	39.89	11.43
C101	1000.00	129.69	7.43

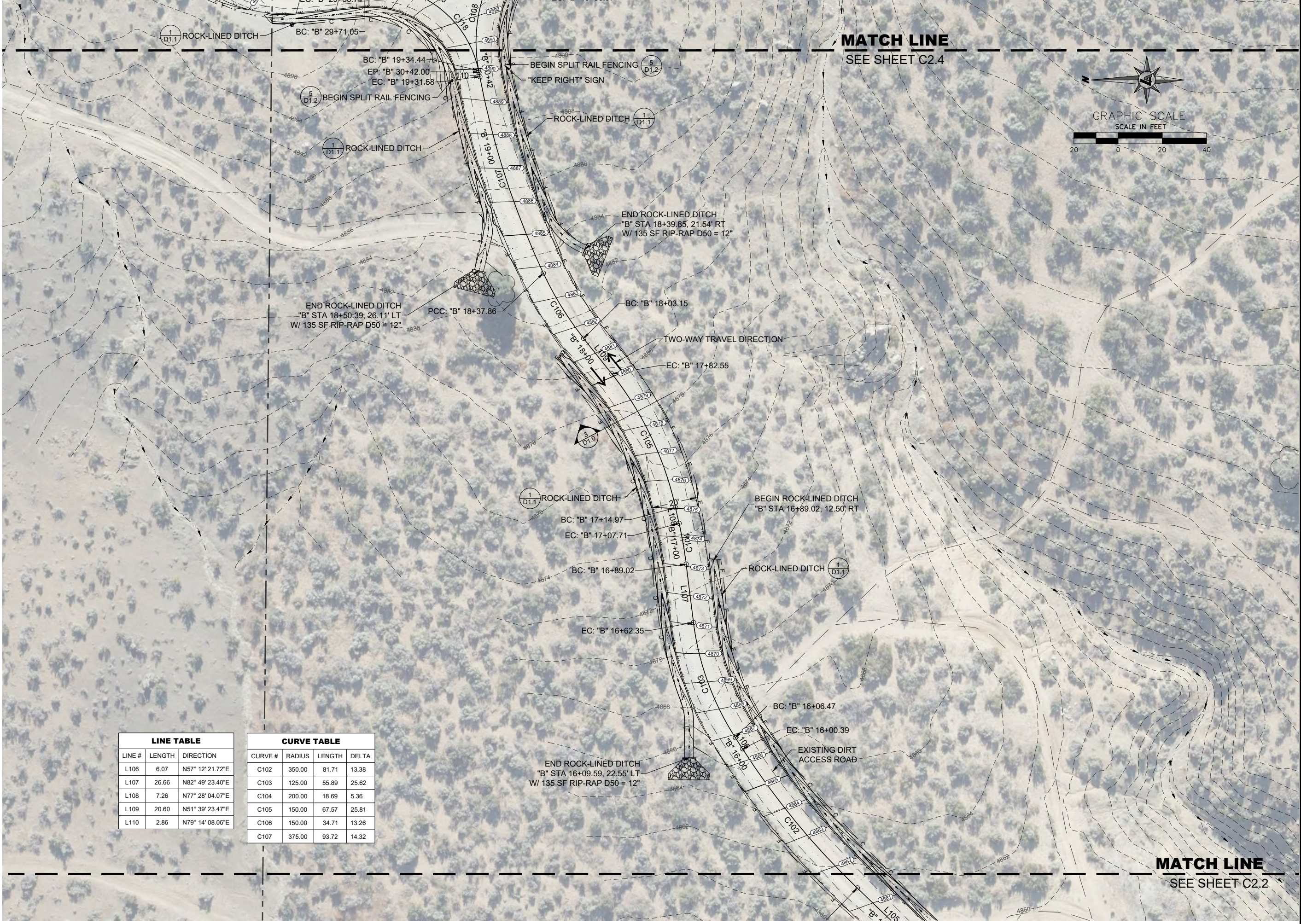
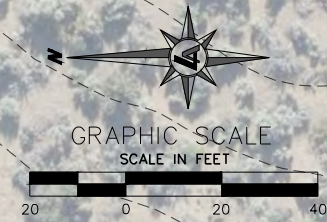
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PRISON HILL WEST
KOONTZ LANE ACCESS ROAD PLAN
CARSON CITY NEVADA

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LINE TABLE		
LINE #	LENGTH	DIRECTION
L106	6.07	N57° 12' 21.72"E
L107	26.66	N82° 49' 23.40"E
L108	7.26	N77° 28' 04.07"E
L109	20.60	N51° 39' 23.47"E
L110	2.86	N79° 14' 08.06"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C102	350.00	81.71	13.38
C103	125.00	55.89	25.62
C104	200.00	18.69	5.36
C105	150.00	67.57	25.81
C106	150.00	34.71	13.26
C107	375.00	93.72	14.32

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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
KOONTZ LANE ACCESS ROAD PLAN
 CARSON CITY, NEVADA

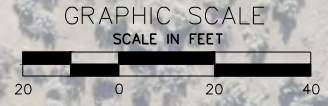
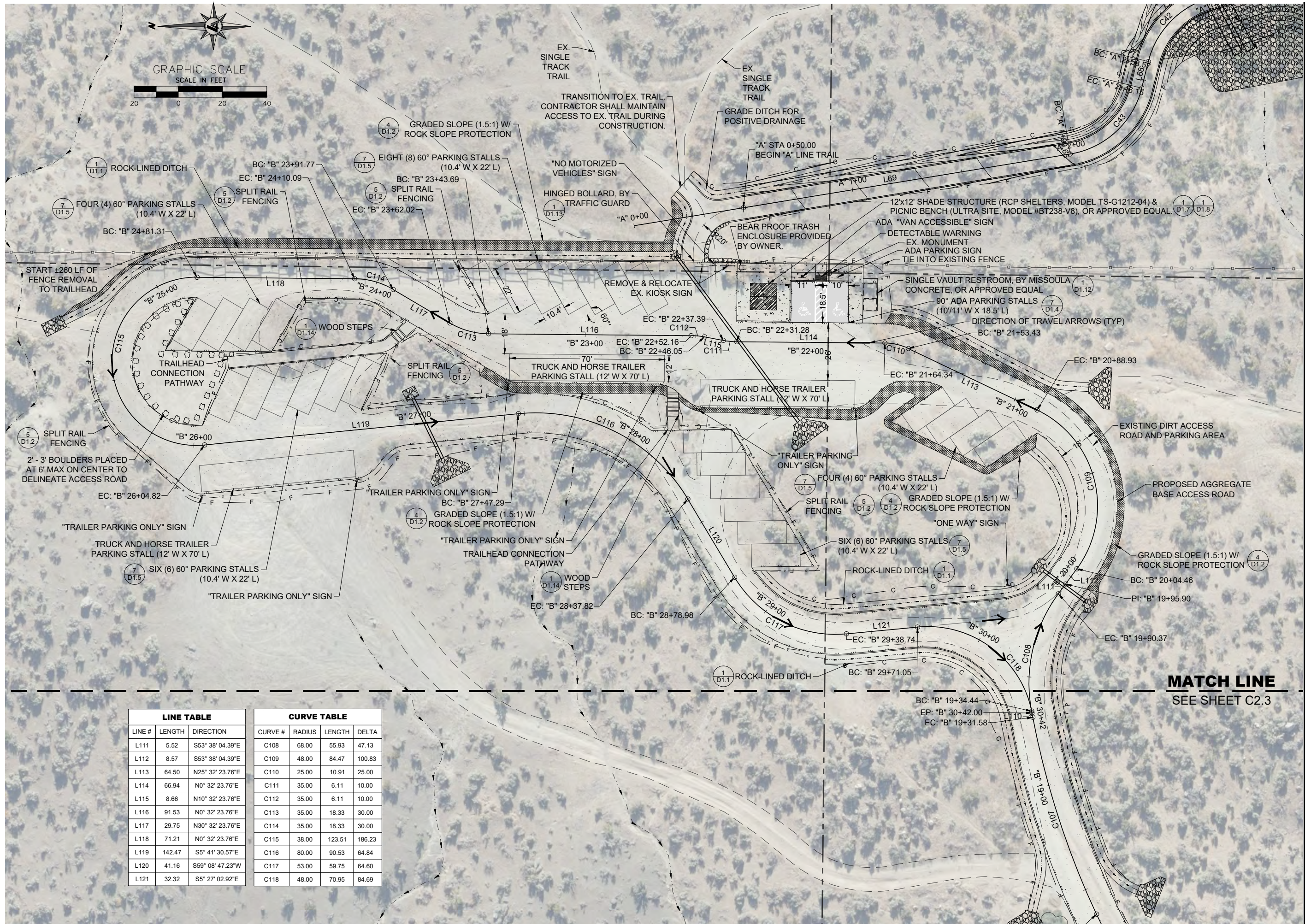
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L111	5.52	S53° 38' 04.39"E
L112	8.57	S53° 38' 04.39"E
L113	64.50	N25° 32' 23.76"E
L114	66.94	N0° 32' 23.76"E
L115	8.66	N10° 32' 23.76"E
L116	91.53	N0° 32' 23.76"E
L117	29.75	N30° 32' 23.76"E
L118	71.21	N0° 32' 23.76"E
L119	142.47	S5° 41' 30.57"E
L120	41.16	S59° 08' 47.23"W
L121	32.32	S5° 27' 02.92"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C108	68.00	55.93	47.13
C109	48.00	84.47	100.83
C110	25.00	10.91	25.00
C111	35.00	6.11	10.00
C112	35.00	6.11	10.00
C113	35.00	18.33	30.00
C114	35.00	18.33	30.00
C115	38.00	123.51	186.23
C116	80.00	90.53	64.84
C117	53.00	59.75	64.60
C118	48.00	70.95	84.69

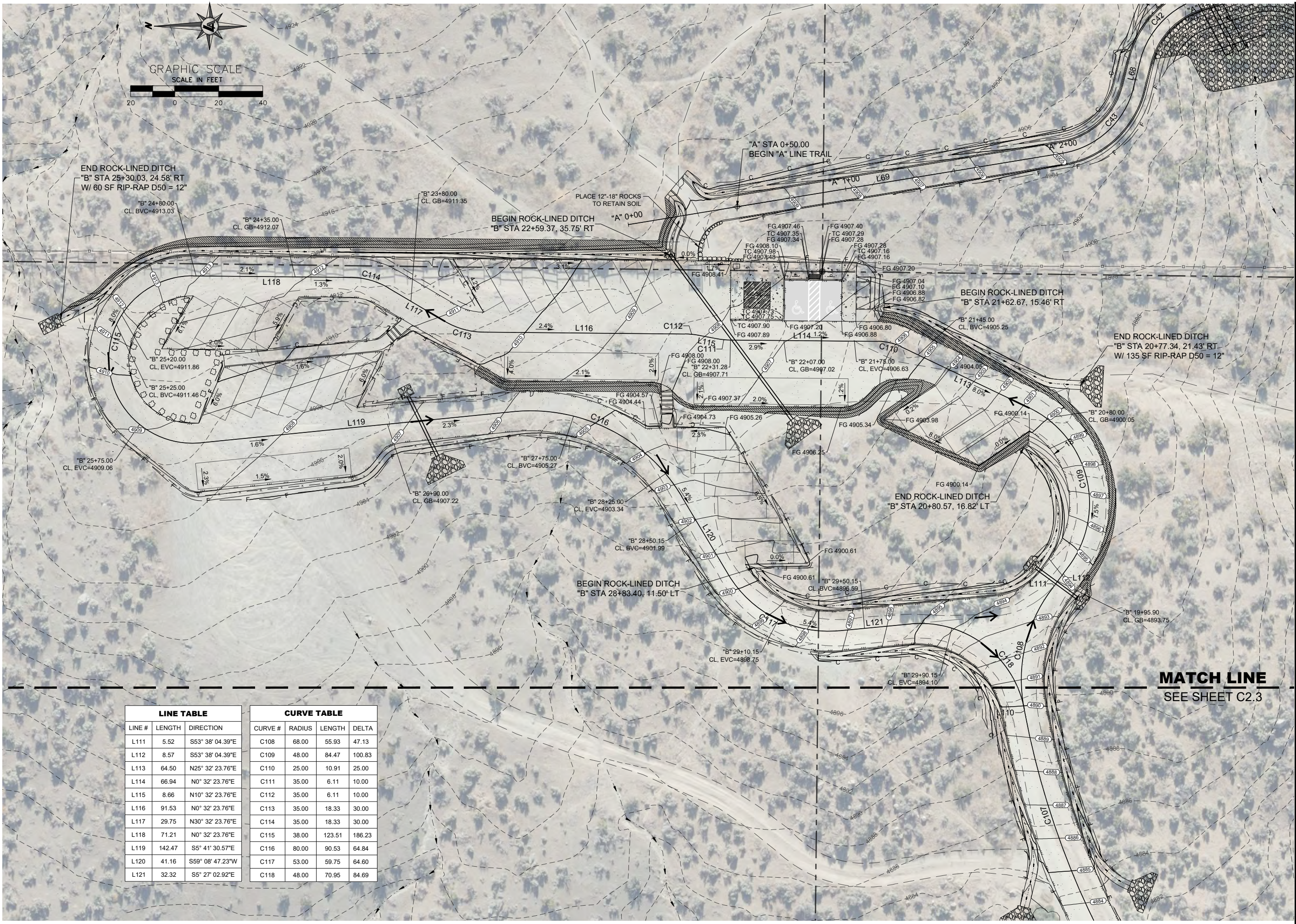
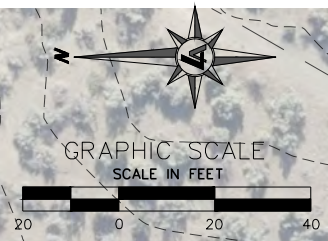
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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
KOONTZ LANE TRAILHEAD PARKING PLAN
 CARSON CITY, NEVADA

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C2.4A
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L111	5.52	S53° 38' 04.39"E
L112	8.57	S53° 38' 04.39"E
L113	64.50	N25° 32' 23.76"E
L114	66.94	N0° 32' 23.76"E
L115	8.66	N10° 32' 23.76"E
L116	91.53	N0° 32' 23.76"E
L117	29.75	N30° 32' 23.76"E
L118	71.21	N0° 32' 23.76"E
L119	142.47	S5° 41' 30.57"E
L120	41.16	S59° 08' 47.23"W
L121	32.32	S5° 27' 02.92"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C108	68.00	55.93	47.13
C109	48.00	84.47	100.83
C110	25.00	10.91	25.00
C111	35.00	6.11	10.00
C112	35.00	6.11	10.00
C113	35.00	18.33	30.00
C114	35.00	18.33	30.00
C115	38.00	123.51	186.23
C116	80.00	90.53	64.84
C117	53.00	59.75	64.60
C118	48.00	70.95	84.69

MATCH LINE
SEE SHEET C2.3

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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
KOONTZ LANE TRAILHEAD PARKING PLAN
CARSON CITY, NEVADA

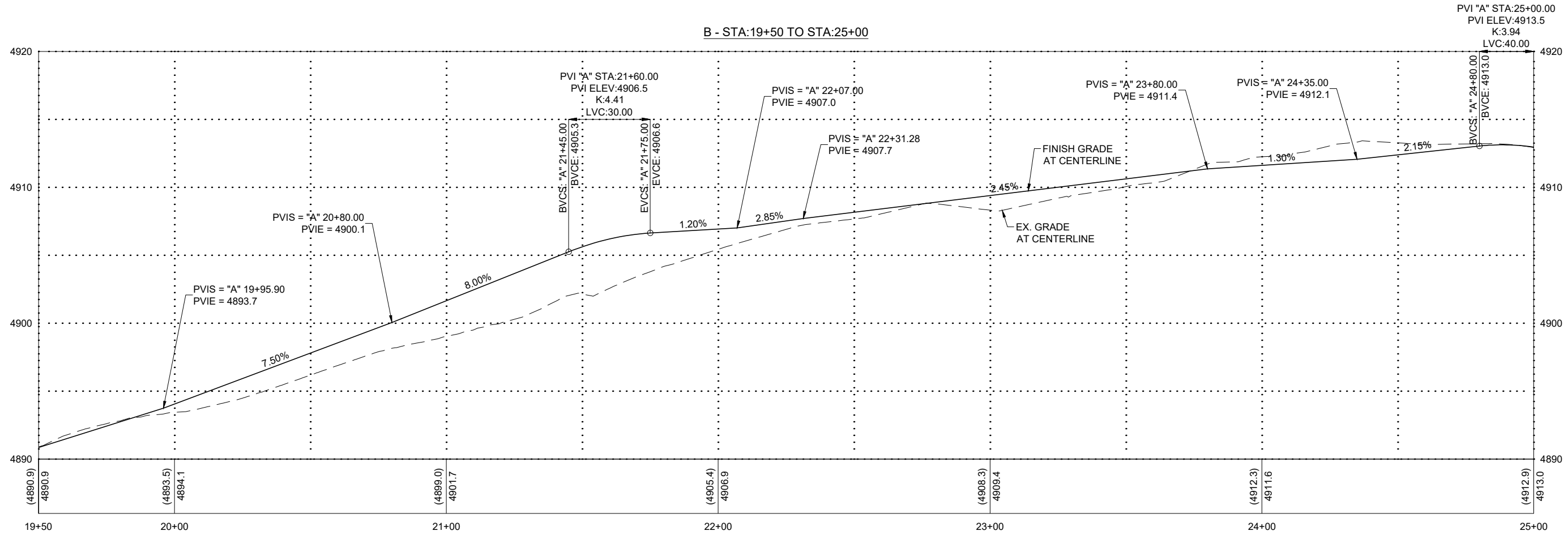
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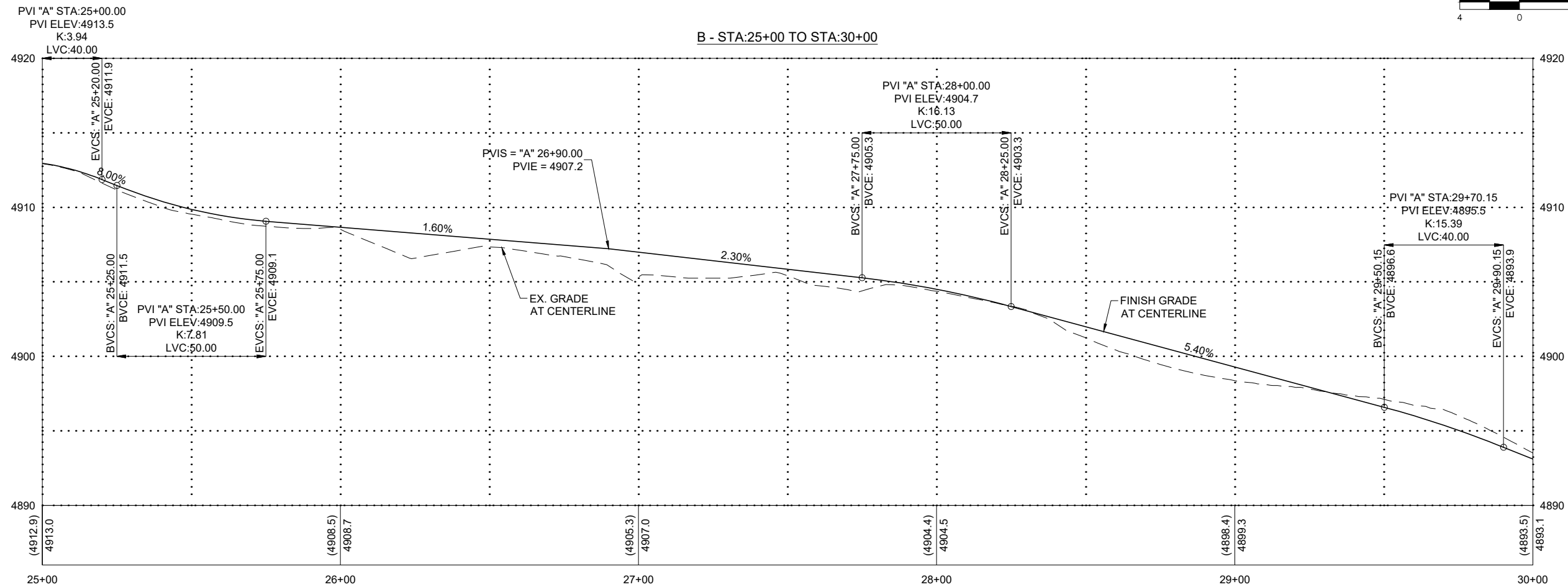
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B - STA:19+50 TO STA:25+00



B - STA:25+00 TO STA:30+00



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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
KOONTZ LANE TRAILHEAD PARKING PLAN
CARSON CITY, NEVADA

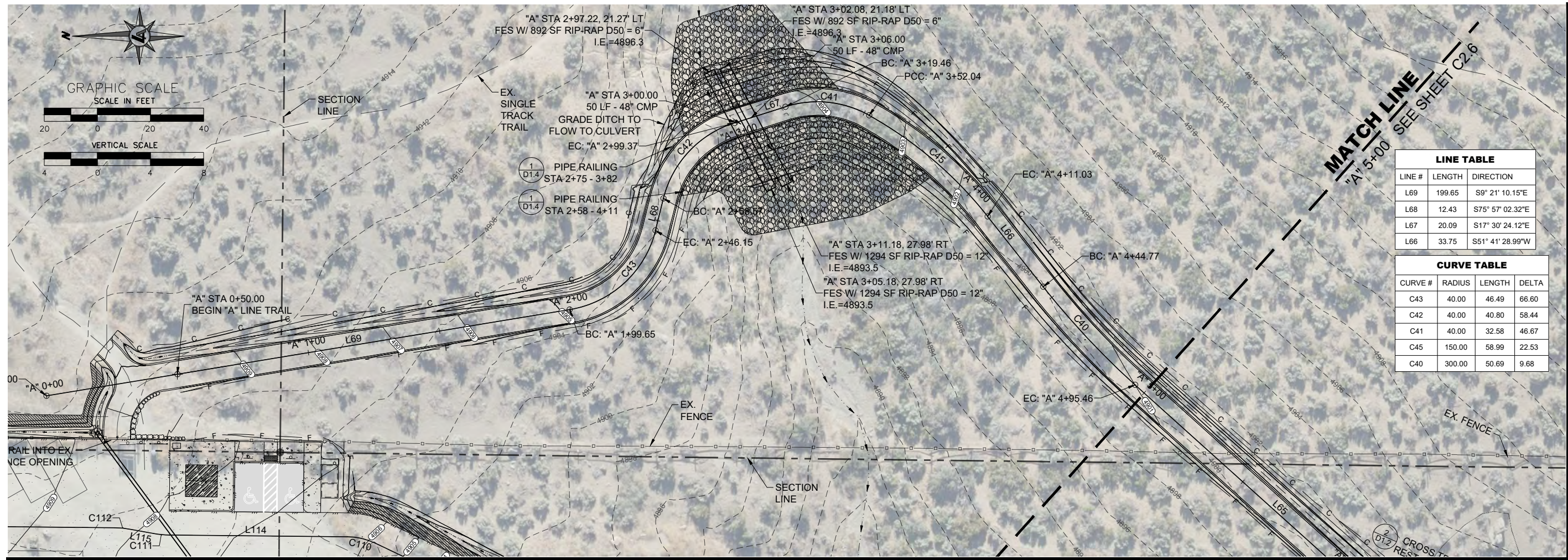
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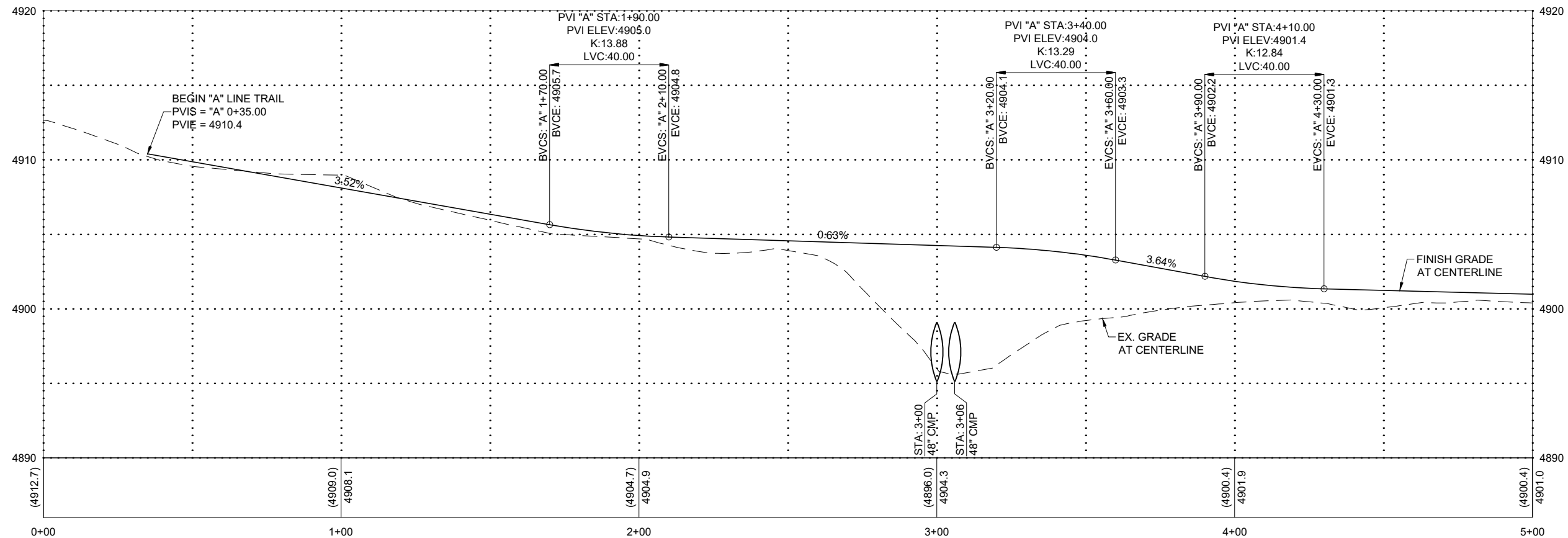
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L69	199.65	S9° 21' 10.15"E
L68	12.43	S75° 57' 02.32"E
L67	20.09	S17° 30' 24.12"E
L66	33.75	S51° 41' 28.99"W

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C43	40.00	46.49	66.60
C42	40.00	40.80	58.44
C41	40.00	32.58	46.67
C45	150.00	58.99	22.53
C40	300.00	50.69	9.68

A - STA:0+00 TO STA:5+00



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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 0+00 TO STA 5+00

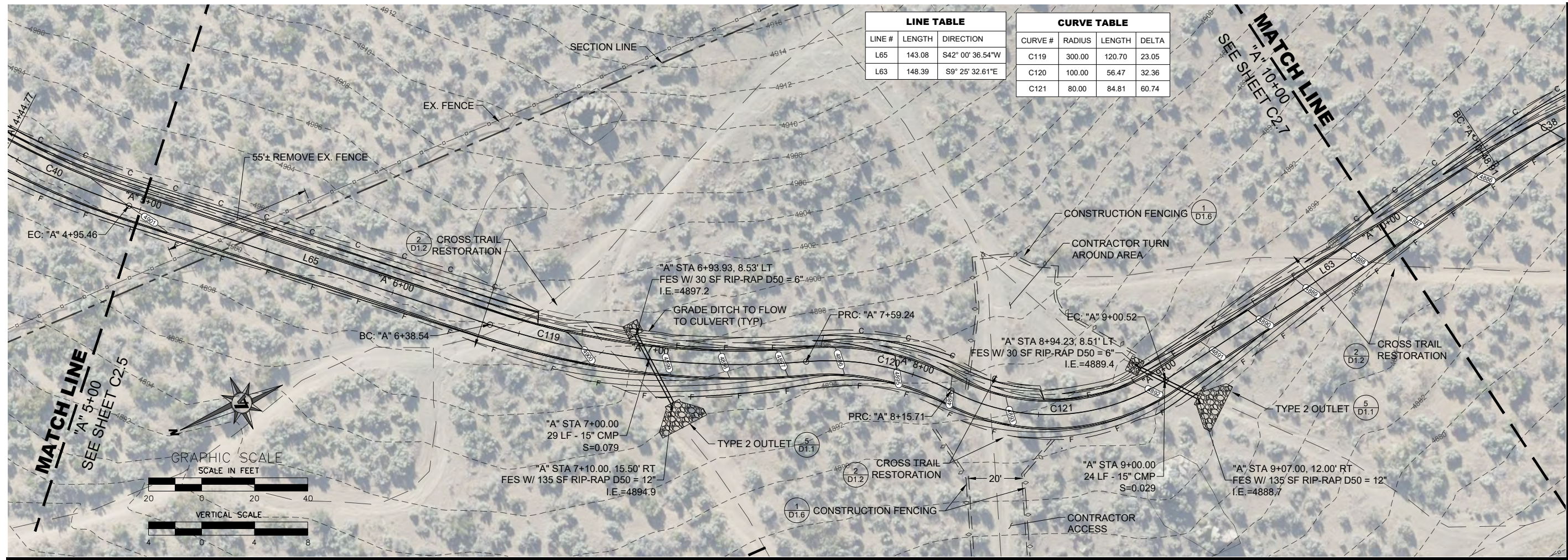
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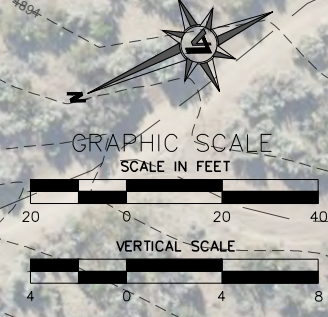
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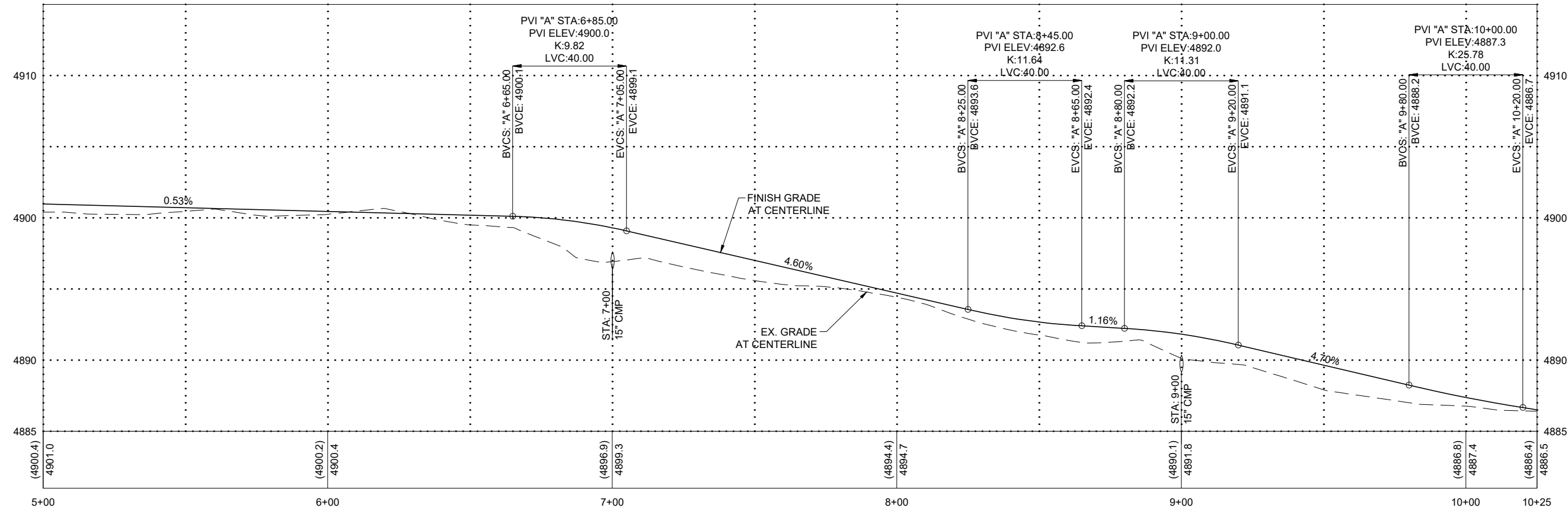
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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L65	143.08	S42° 00' 36.54"W	C119	300.00	120.70	23.05
L63	148.39	S9° 25' 32.61"E	C120	100.00	56.47	32.36
			C121	80.00	84.81	60.74



A - STA:5+00 TO STA:10+25



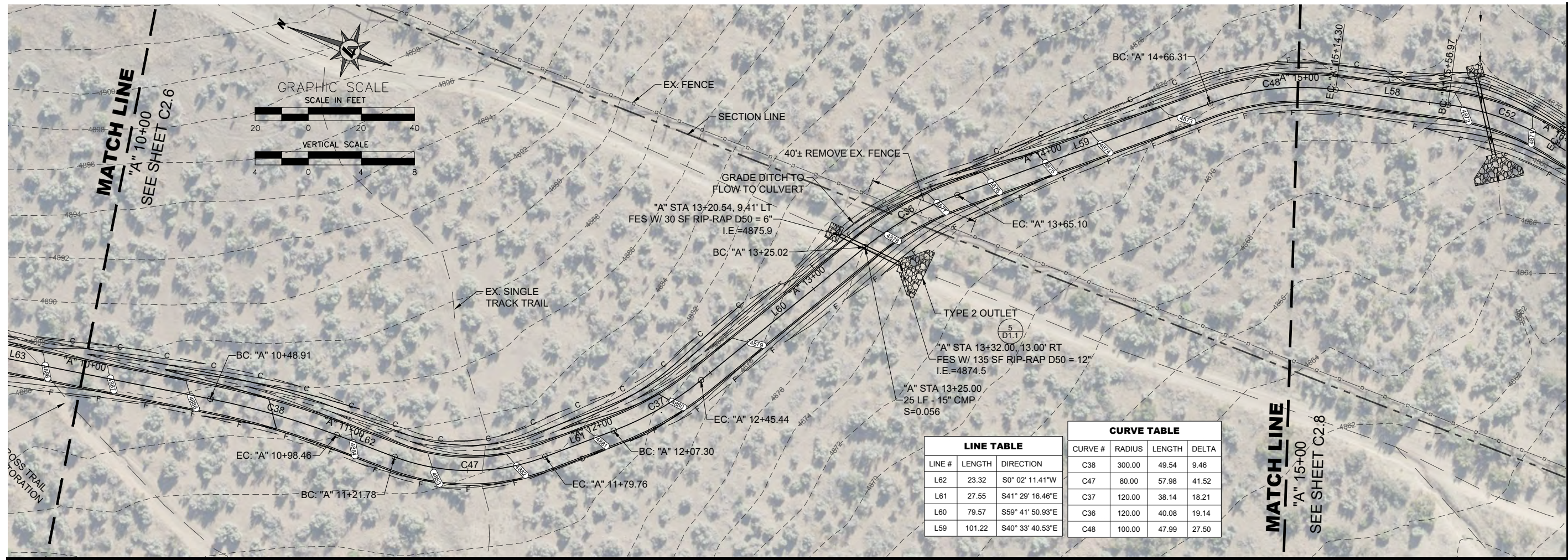
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PRISON HILL WEST
PLAN & PROFILE STA 5+00 TO STA 10+00
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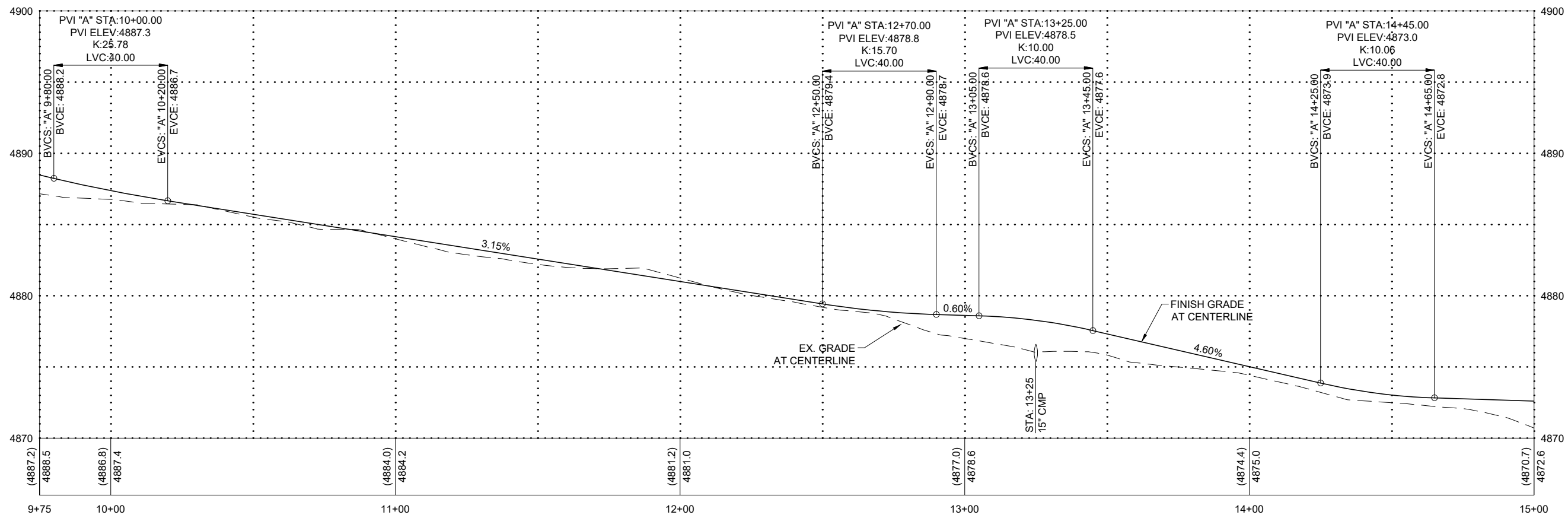
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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L62	23.32	S0° 02' 11.41"W	C38	300.00	49.54	9.46
L61	27.55	S41° 29' 16.46"E	C47	80.00	57.98	41.52
L60	79.57	S59° 41' 50.93"E	C37	120.00	38.14	18.21
L59	101.22	S40° 33' 40.53"E	C36	120.00	40.08	19.14
			C48	100.00	47.99	27.50

A - STA:9+75 TO STA:15+00



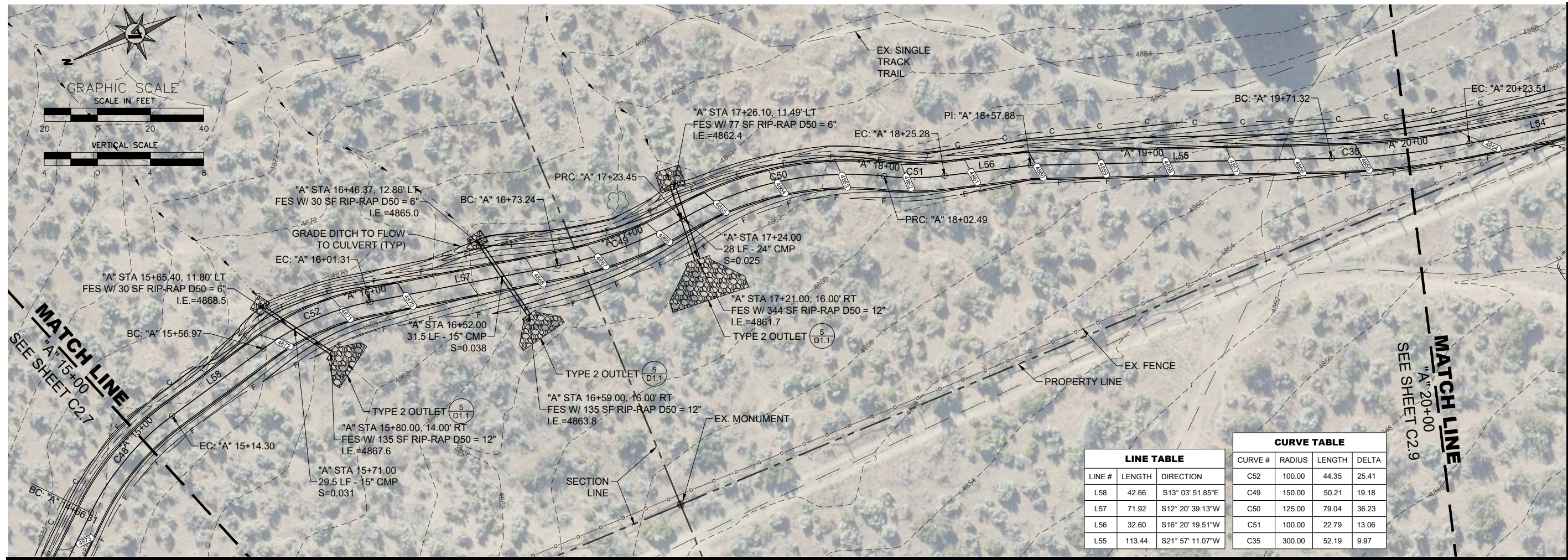
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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 10+00 TO STA 15+00
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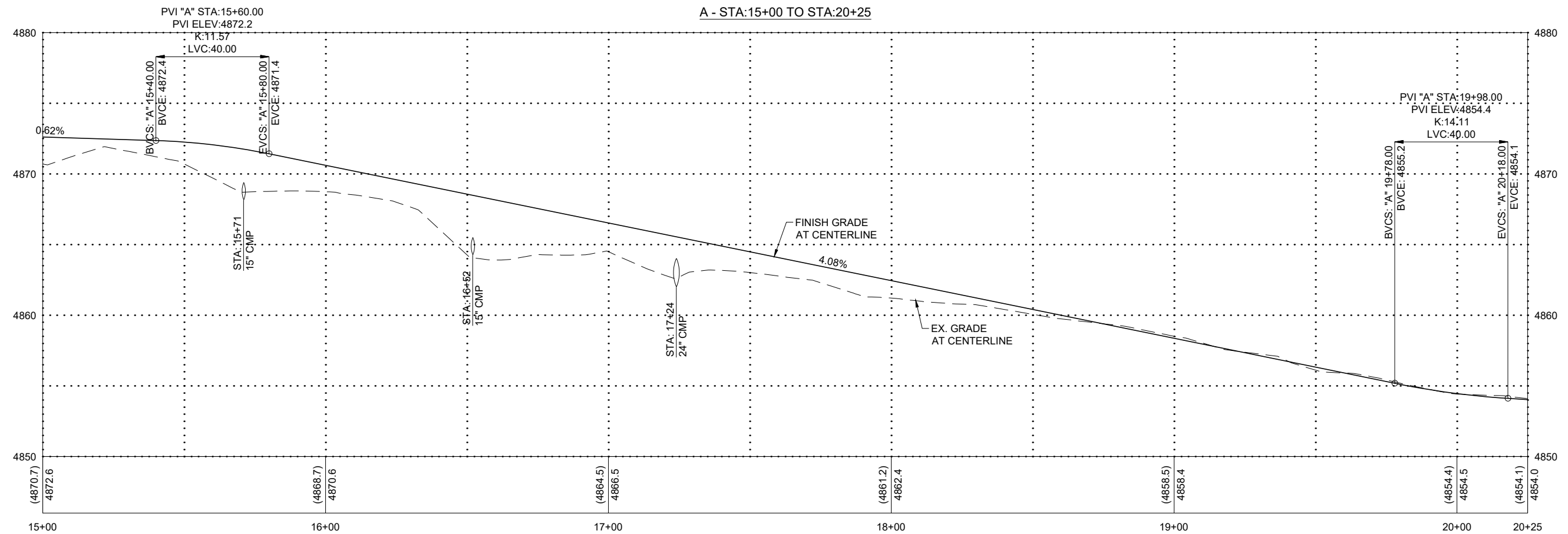
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L58	42.66	S13° 03' 51.85"E
L57	71.92	S12° 20' 39.13"W
L56	32.60	S16° 20' 19.51"W
L55	113.44	S21° 57' 11.07"W

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C52	100.00	44.35	25.41
C49	150.00	50.21	19.18
C50	125.00	79.04	36.23
C51	100.00	22.79	13.06
C35	300.00	52.19	9.97



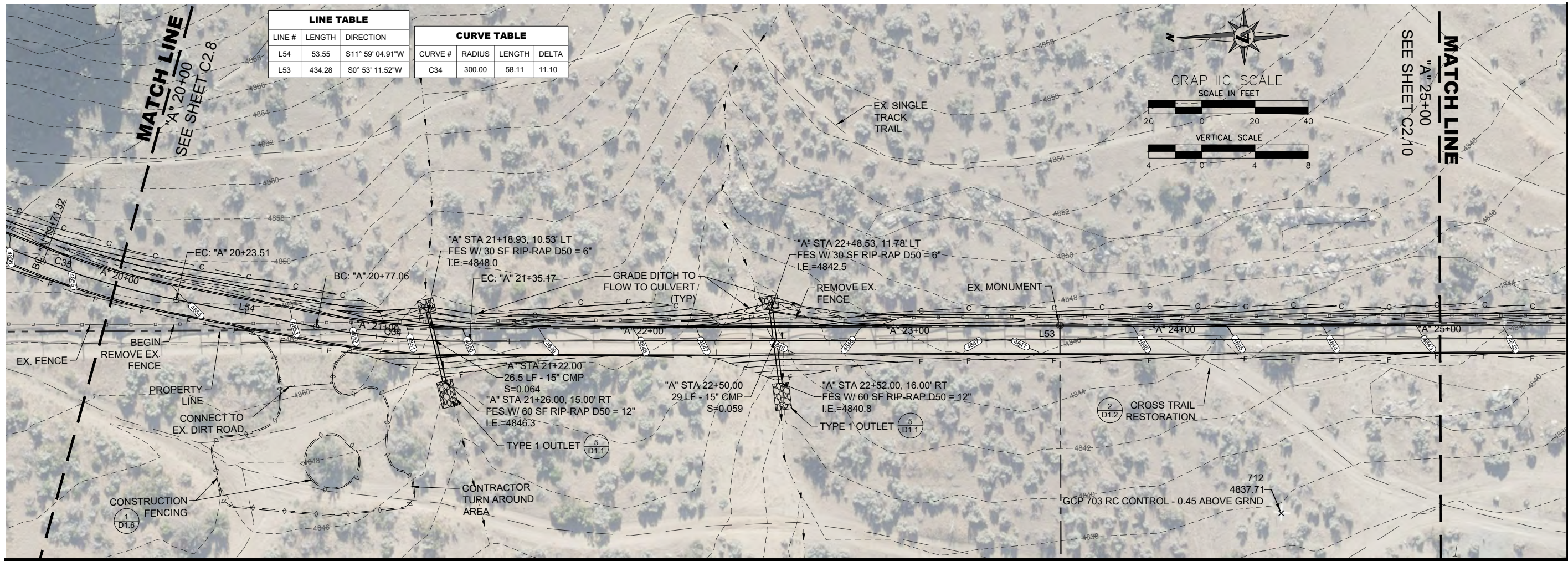
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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 15+00 TO STA 20+00
 CARSON CITY, NEVADA

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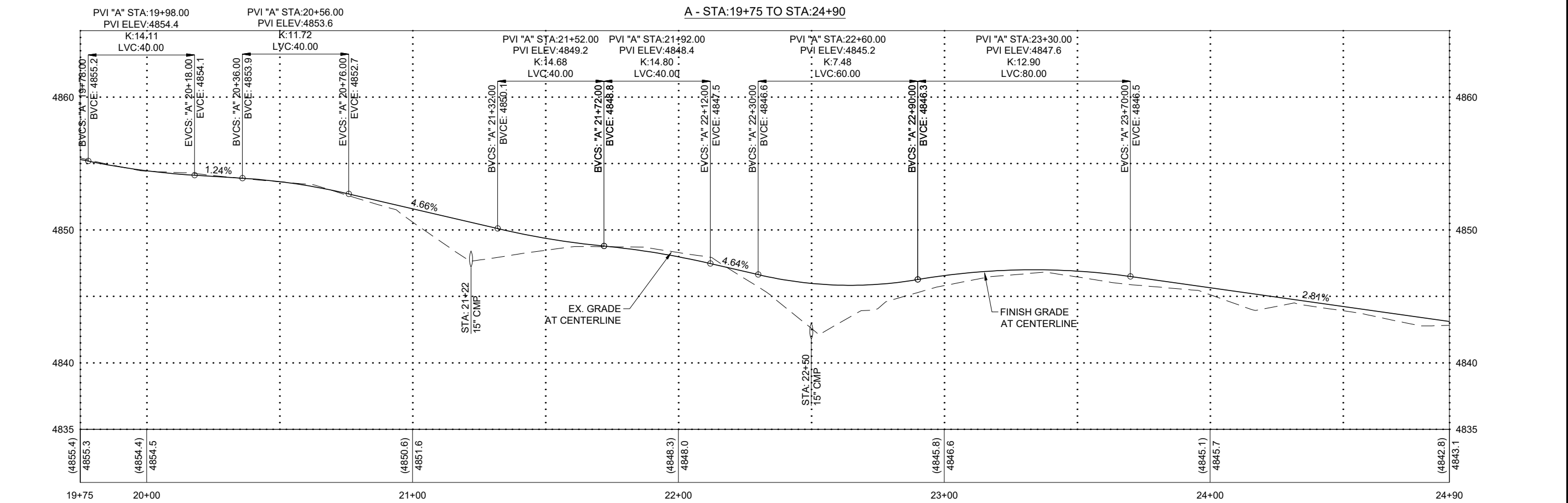
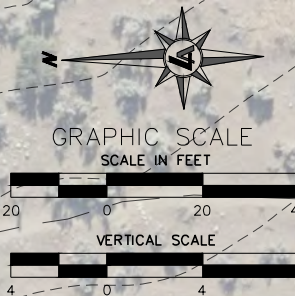
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L54	53.55	S11° 59' 04.91\"W
L53	434.28	S0° 53' 11.52\"W

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C34	300.00	58.11	11.10



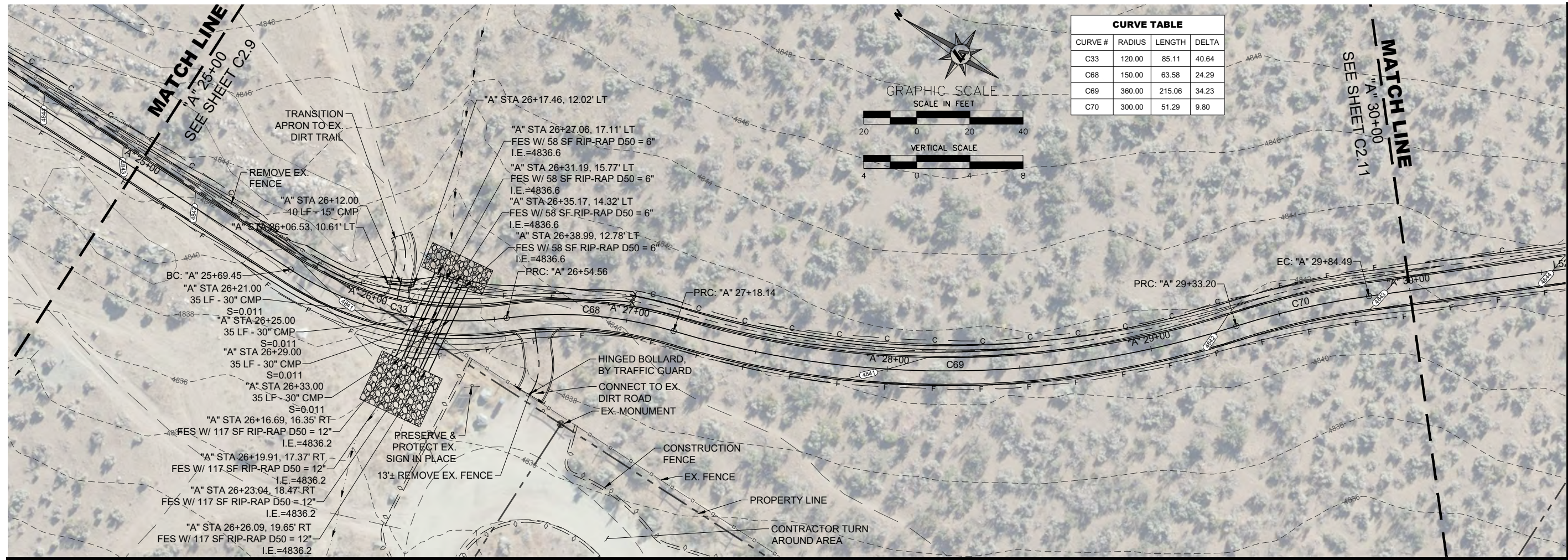
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PRISON HILL WEST
PLAN & PROFILE STA 20+00 TO STA 25+00

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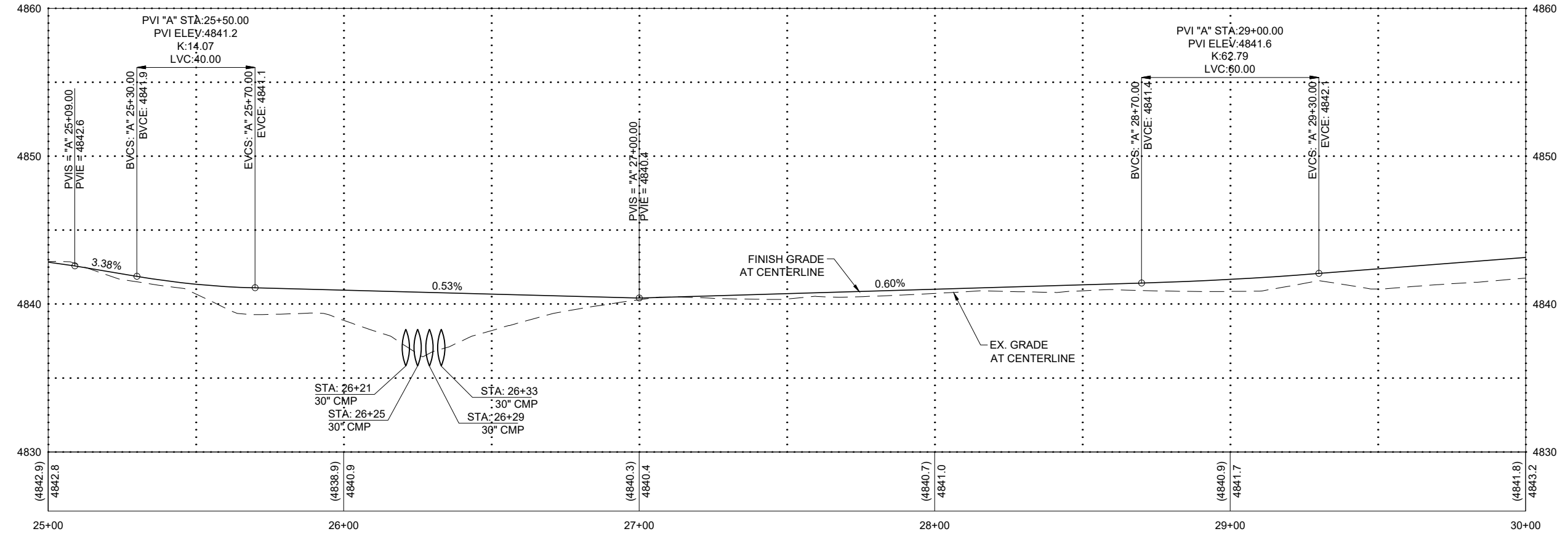
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A - STA:25+00 TO STA:30+00



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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST

PLAN & PROFILE STA 25+00 TO STA 30+00

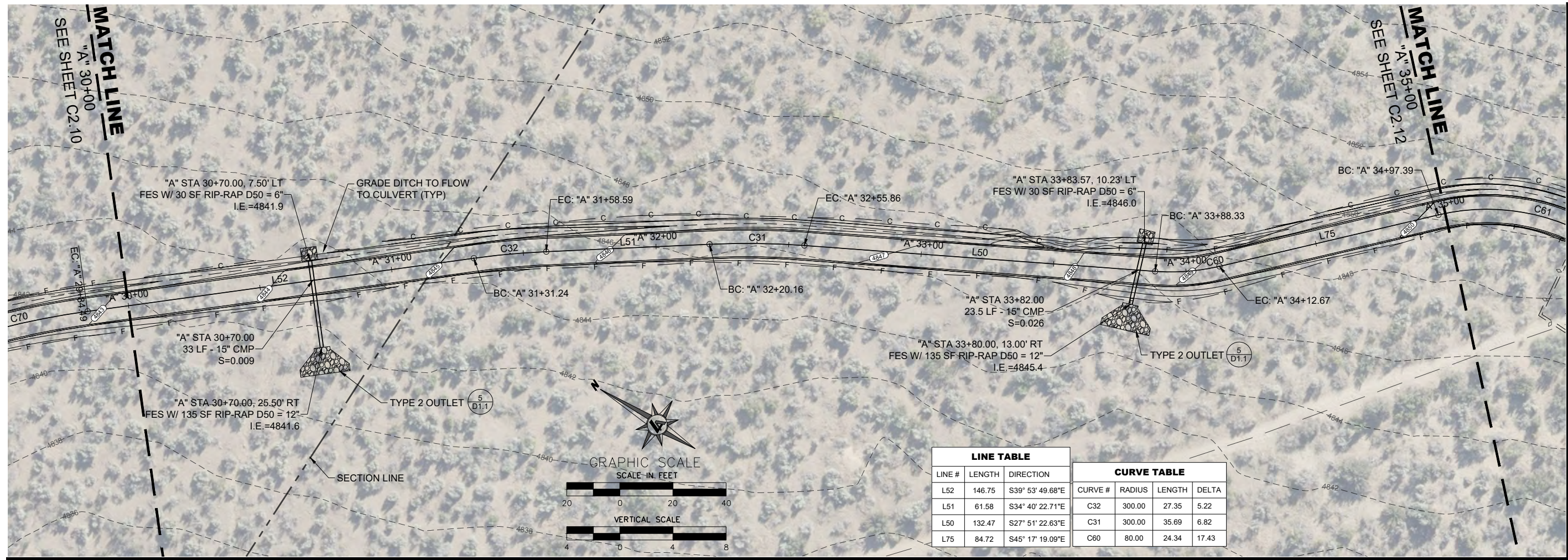
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C2.10

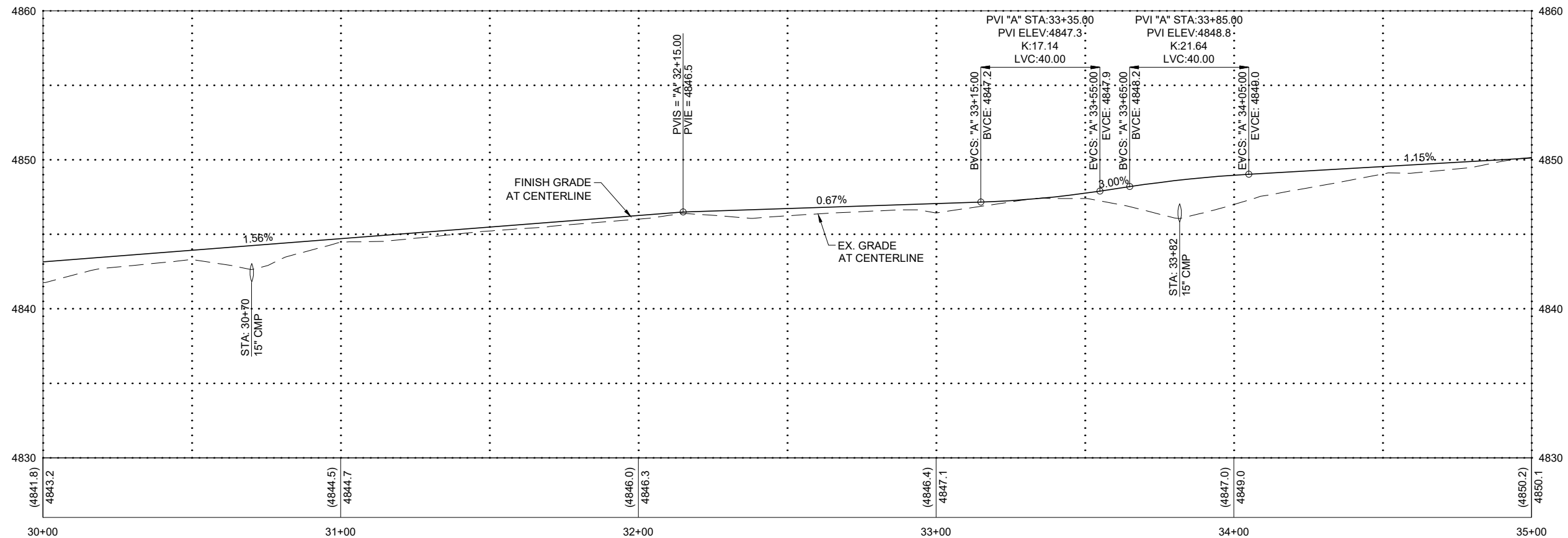
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 DESIGNED BY: CM/JT
 CHECKED BY: CM/MG
 JOB NO.: 11100.000

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LINE TABLE			CURVE TABLE			
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L52	146.75	S39° 53' 49.68"E	C32	300.00	27.35	5.22
L51	61.58	S34° 40' 22.71"E	C31	300.00	35.69	6.82
L50	132.47	S27° 51' 22.63"E	C60	80.00	24.34	17.43
L75	84.72	S45° 17' 19.09"E				

A - STA:30+00 TO STA:35+00



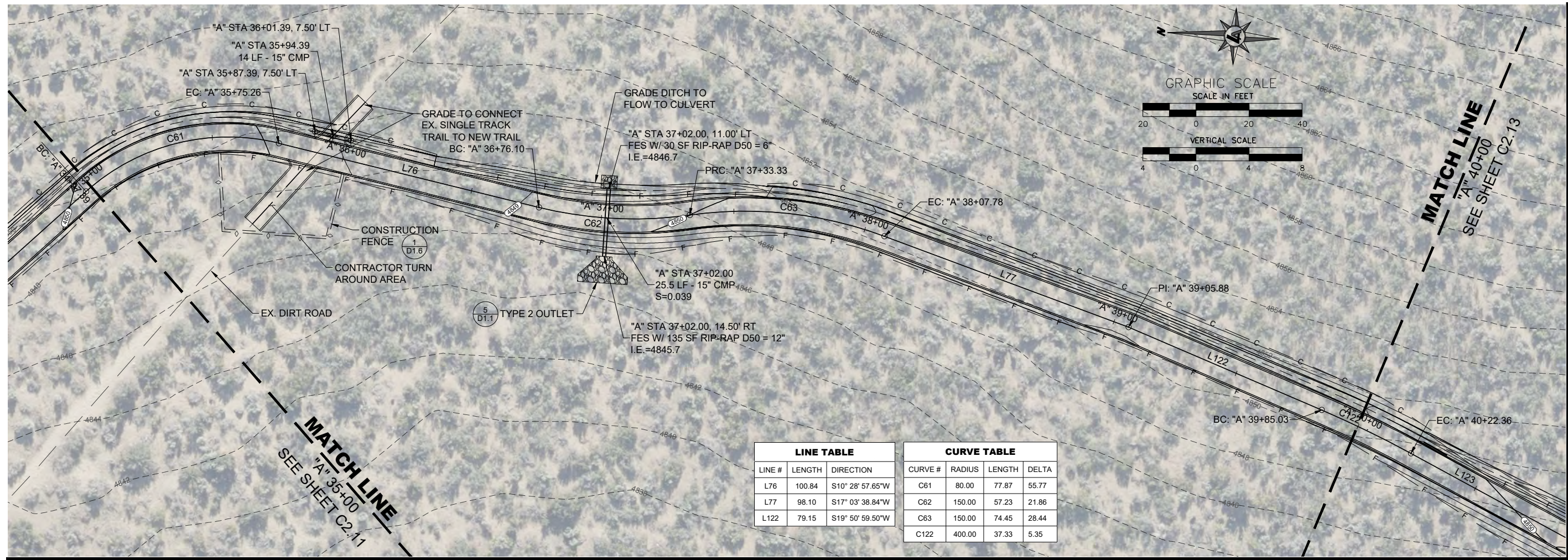
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 30+00 TO STA 35+00
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

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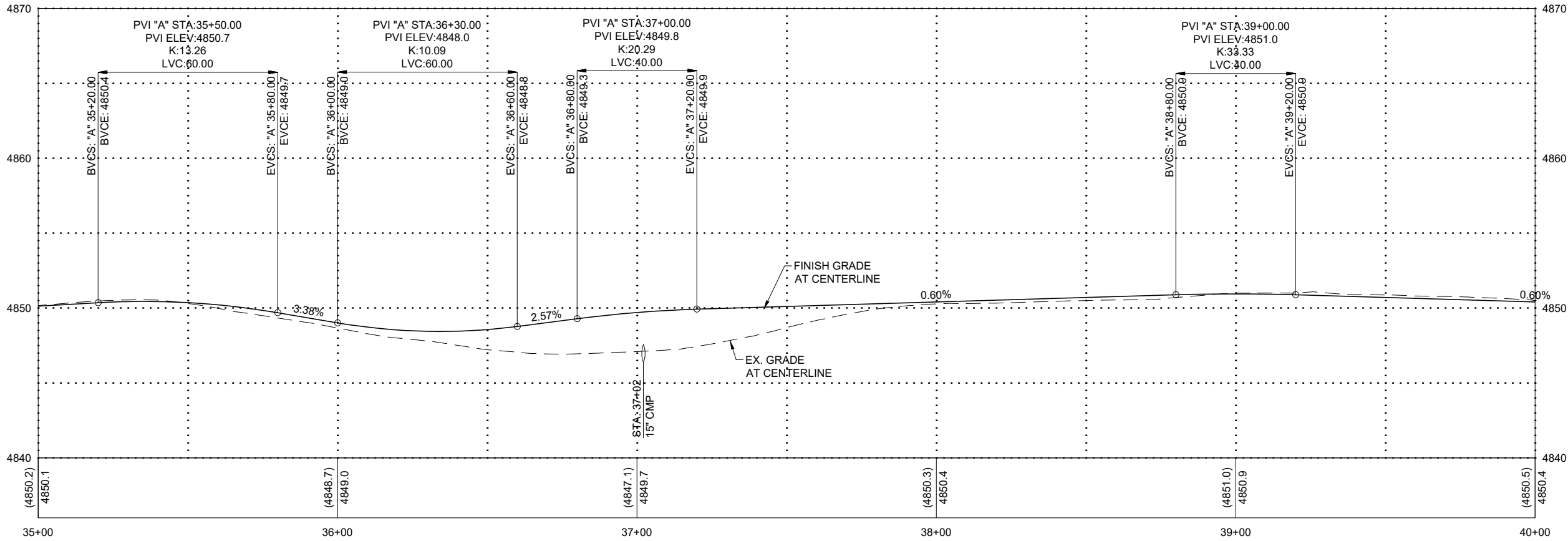
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 DESIGNED BY: CM/JT
 CHECKED BY: CM/MG
 JOB NO.: 11100.000

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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L76	100.84	S10° 28' 57.65"W	C61	80.00	77.87	55.77
L77	98.10	S17° 03' 38.84"W	C62	150.00	57.23	21.86
L122	79.15	S19° 50' 59.50"W	C63	150.00	74.45	28.44
			C122	400.00	37.33	5.35

A - STA:35+00 TO STA:40+00



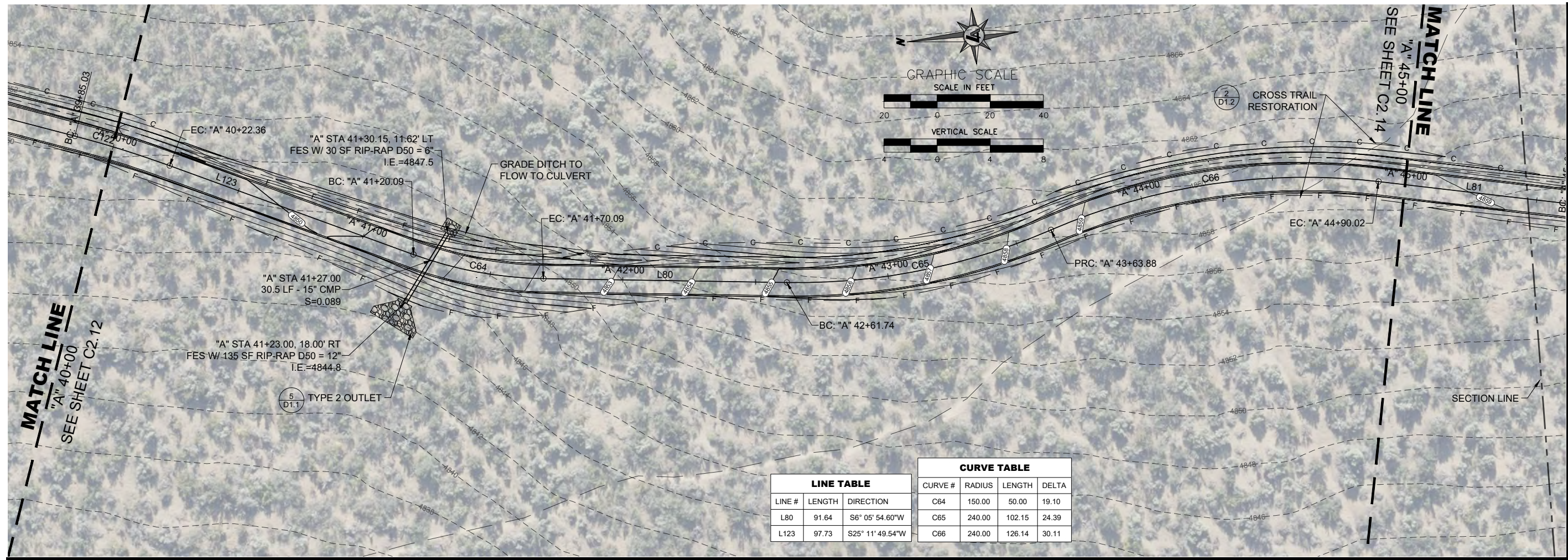
CARSON CITY, NEVADA

CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 35+00 TO STA 40+00

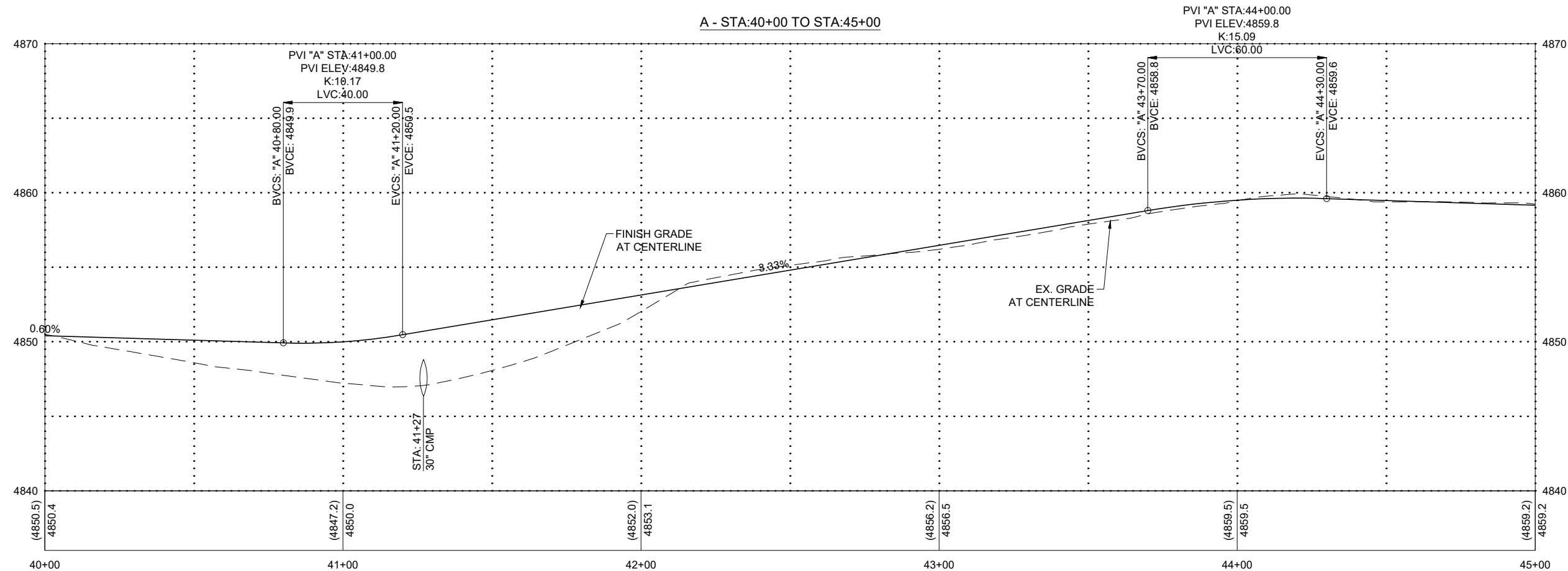
REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
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JANUARY 19, 2024

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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L80	91.64	S6° 05' 54.60"W	C64	150.00	50.00	19.10
L123	97.73	S25° 11' 49.54"W	C65	240.00	102.15	24.39
			C66	240.00	126.14	30.11

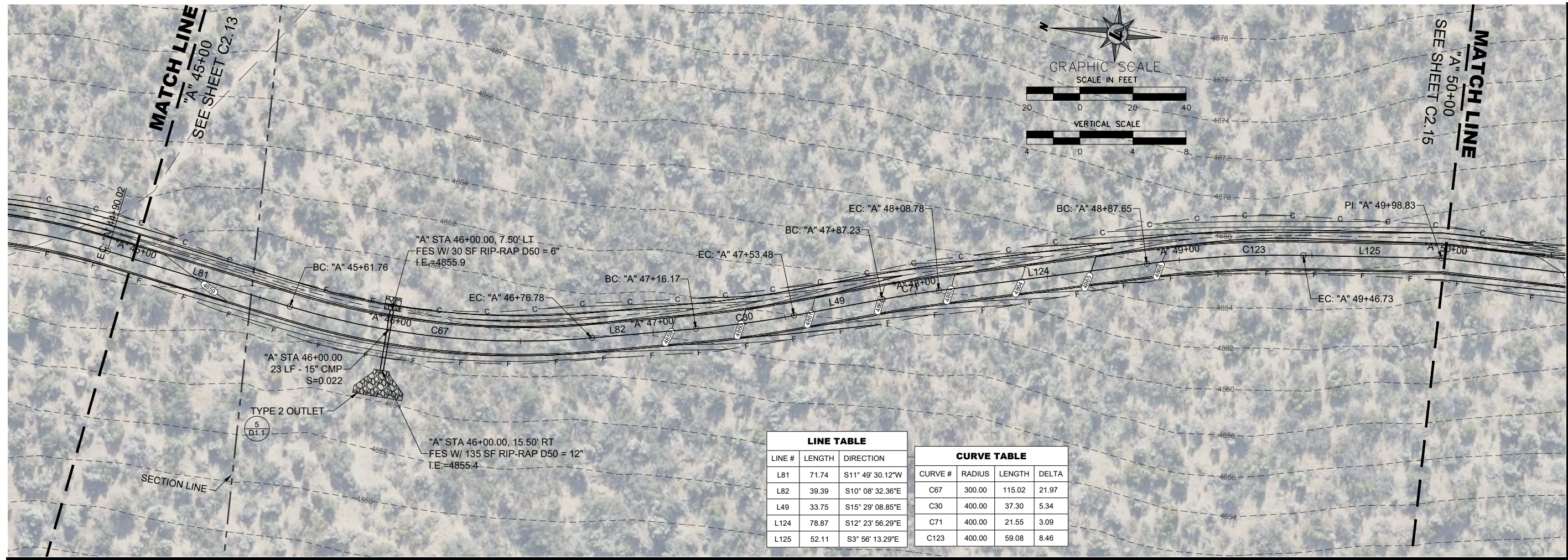


CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 40+00 TO STA 45+00
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

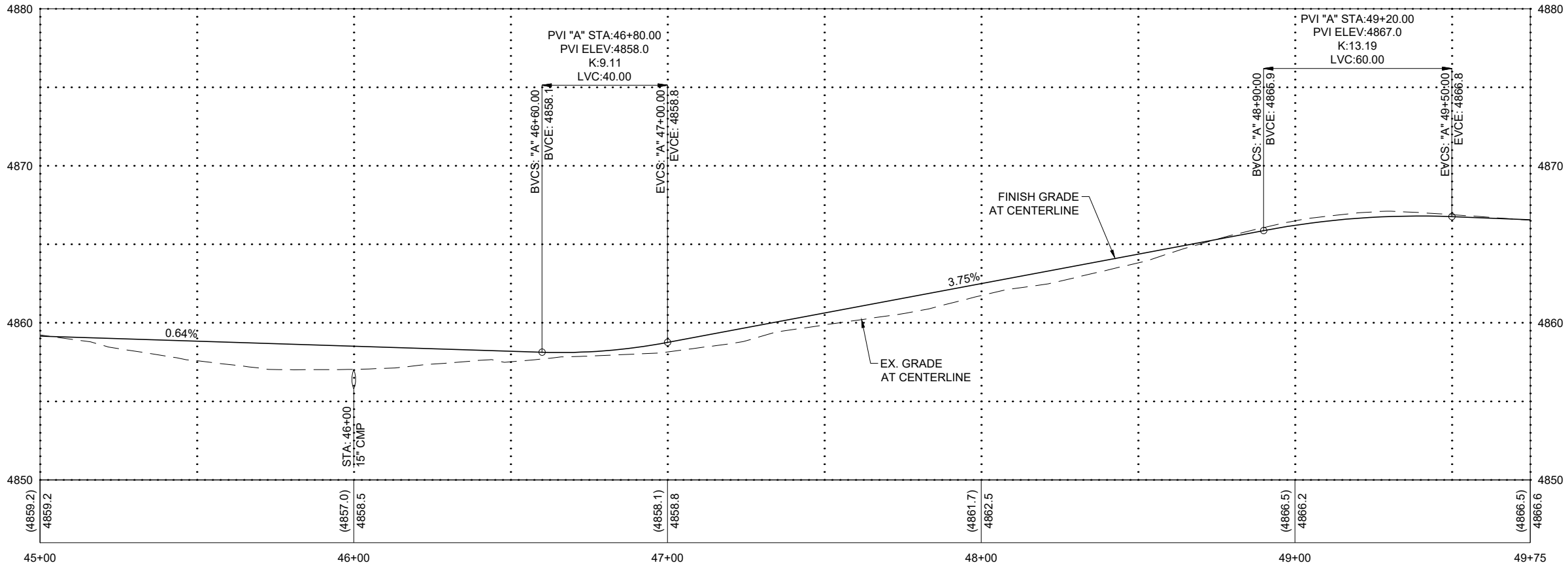
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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L81	71.74	S11° 49' 30.12"W	C67	300.00	115.02	21.97
L82	39.39	S10° 08' 32.36"E	C30	400.00	37.30	5.34
L49	33.75	S15° 29' 08.85"E	C71	400.00	21.55	3.09
L124	78.87	S12° 23' 56.29"E	C123	400.00	59.08	8.46
L125	52.11	S3° 56' 13.29"E				

A - STA:45+00 TO STA:49+75



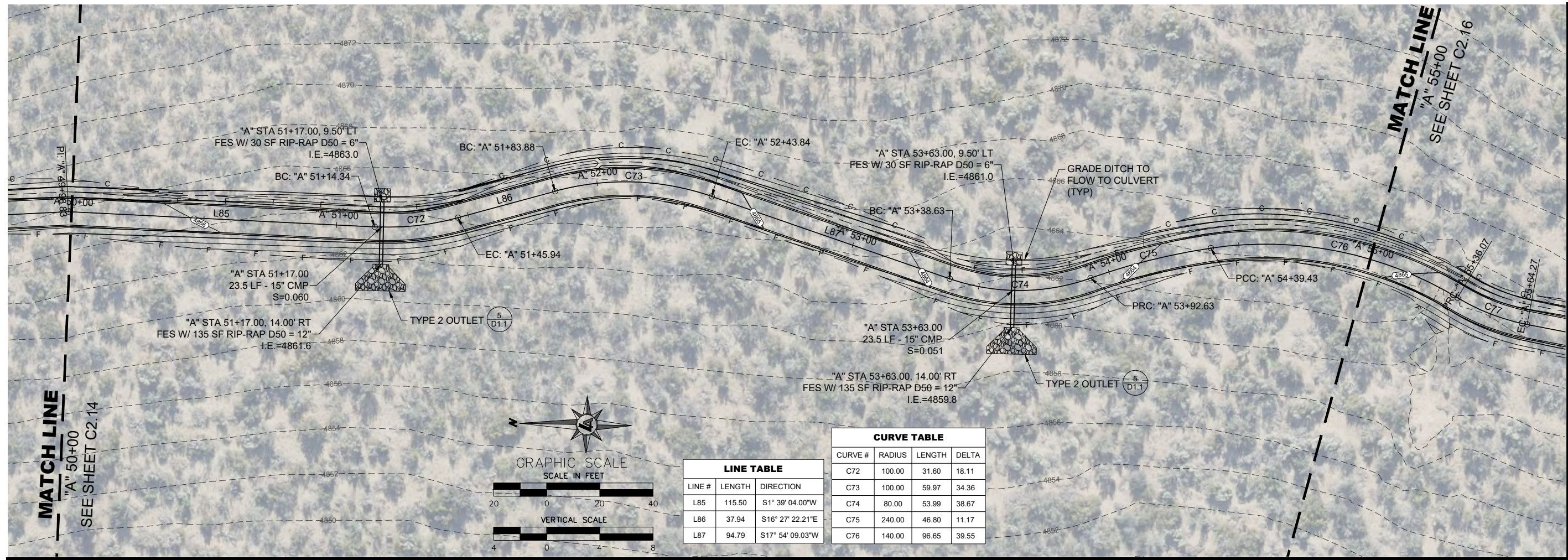
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 45+00 TO STA 50+00
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
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 JANUARY 19, 2024

C2.14
 DRAWN BY: JT/MP
 DESIGNED BY: CM/JT
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 JOB NO.: 11100.000

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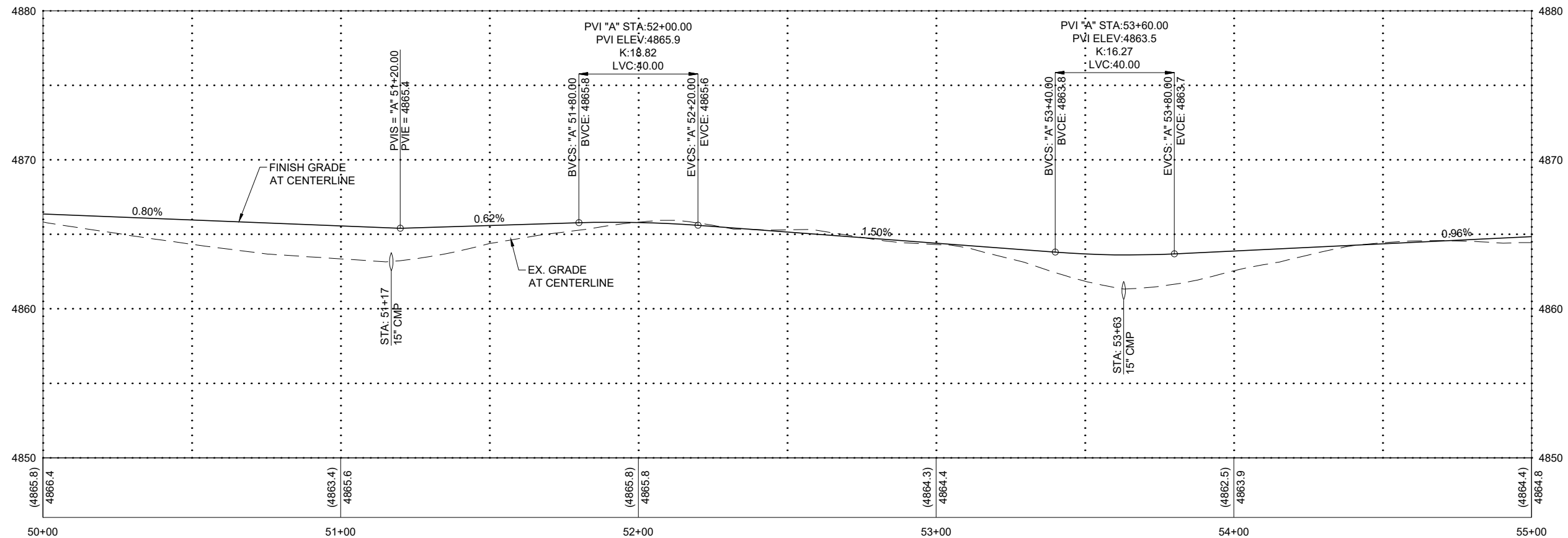
LINE TABLE

LINE #	LENGTH	DIRECTION
L85	115.50	S1° 39' 04.00"W
L86	37.94	S16° 27' 22.21"E
L87	94.79	S17° 54' 09.03"W

CURVE TABLE

CURVE #	RADIUS	LENGTH	DELTA
C72	100.00	31.60	18.11
C73	100.00	59.97	34.36
C74	80.00	53.99	38.67
C75	240.00	46.80	11.17
C76	140.00	96.65	39.55

A - STA:50+00 TO STA:55+00



CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 50+00 TO STA 55+00
NEVADA
CARSON CITY

BY: _____

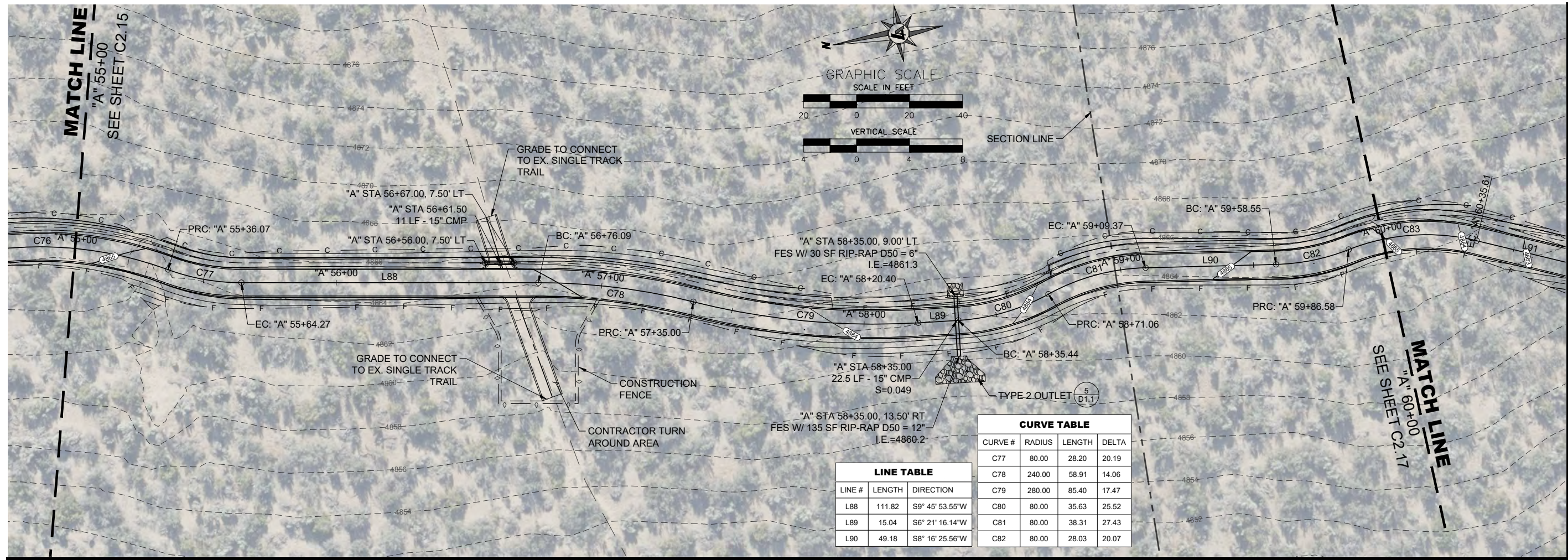
REV	DATE	DESCRIPTION

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C2.15

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DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 11100.000

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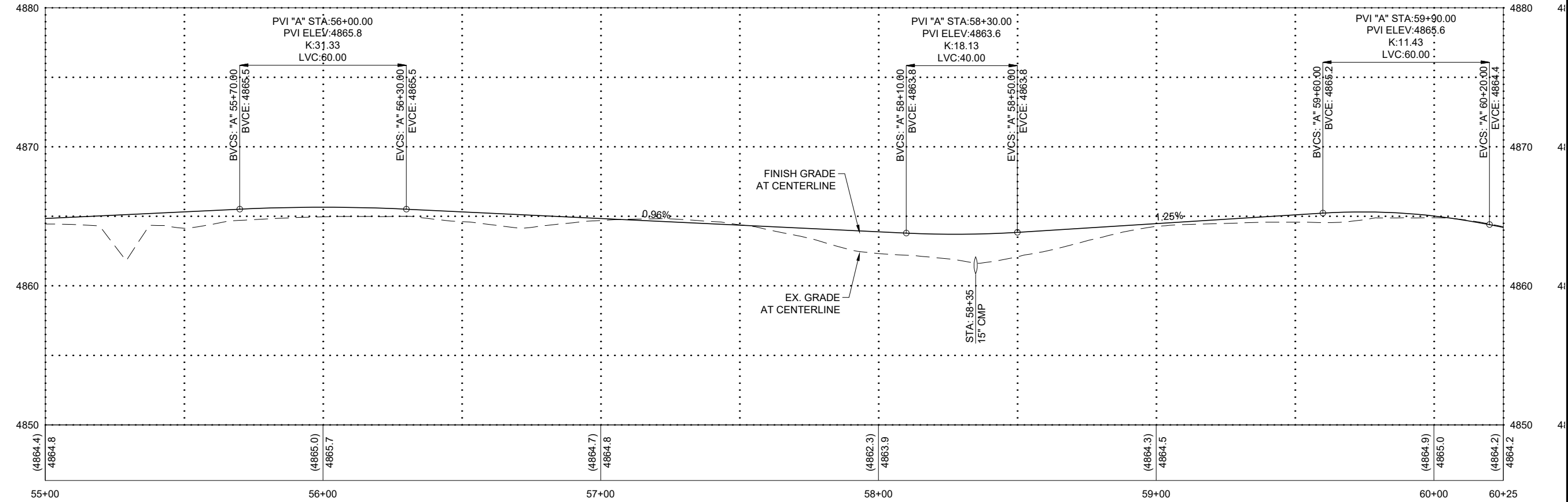
LINE TABLE

LINE #	LENGTH	DIRECTION
L88	111.82	S9° 45' 53.55\"W
L89	15.04	S6° 21' 16.14\"W
L90	49.18	S8° 16' 25.56\"W

CURVE TABLE

CURVE #	RADIUS	LENGTH	DELTA
C77	80.00	28.20	20.19
C78	240.00	58.91	14.06
C79	280.00	85.40	17.47
C80	80.00	35.63	25.52
C81	80.00	38.31	27.43
C82	80.00	28.03	20.07

A - STA:55+00 TO STA:60+25



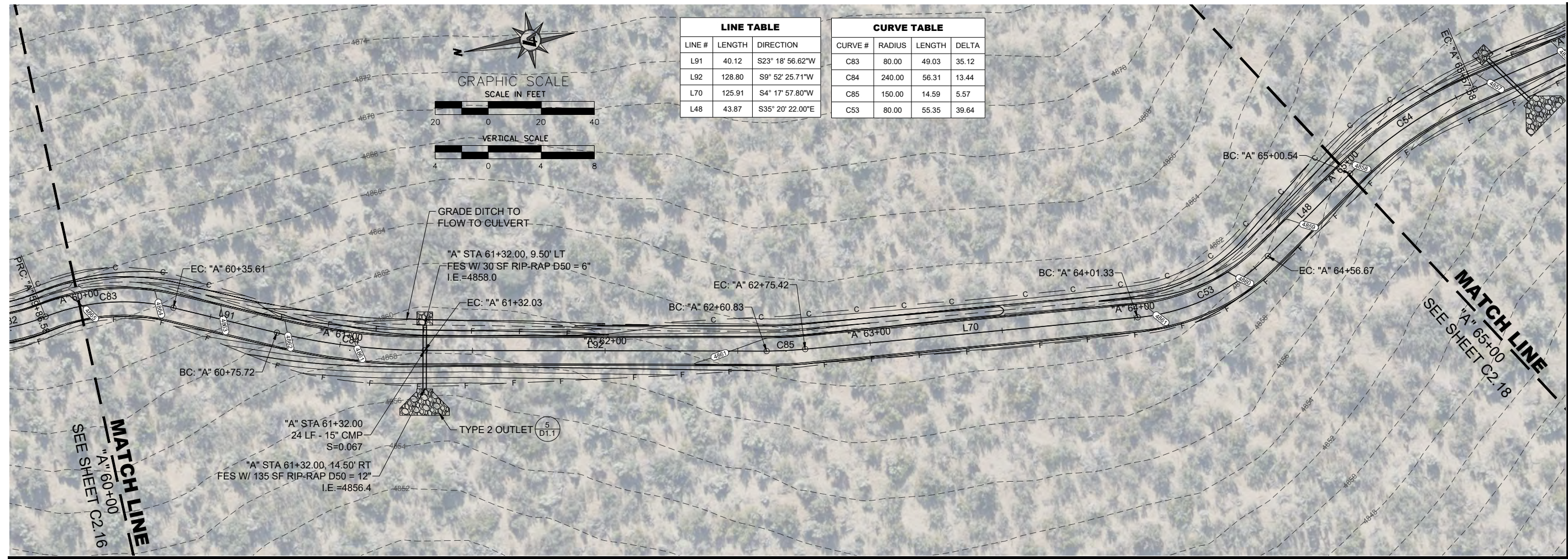
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 55+00 TO STA 60+00
NEVADA
CARSON CITY

REV	DATE	DESCRIPTION	BY

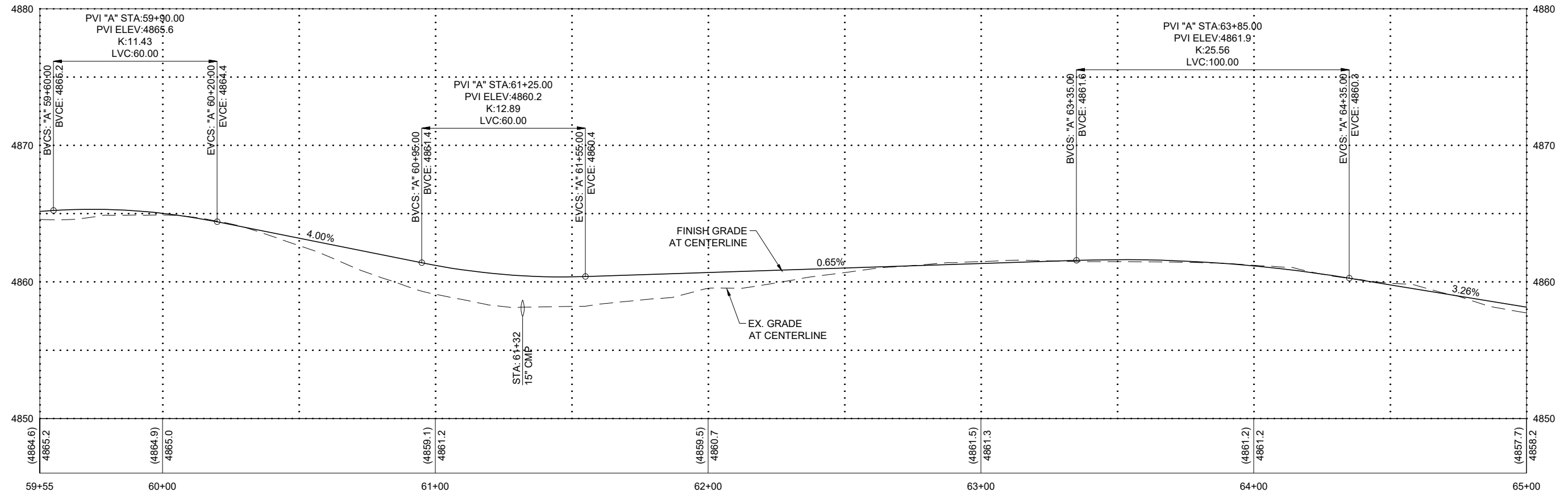
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JANUARY 19, 2024

C2.16
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DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

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A - STA:59+55 TO STA:65+00



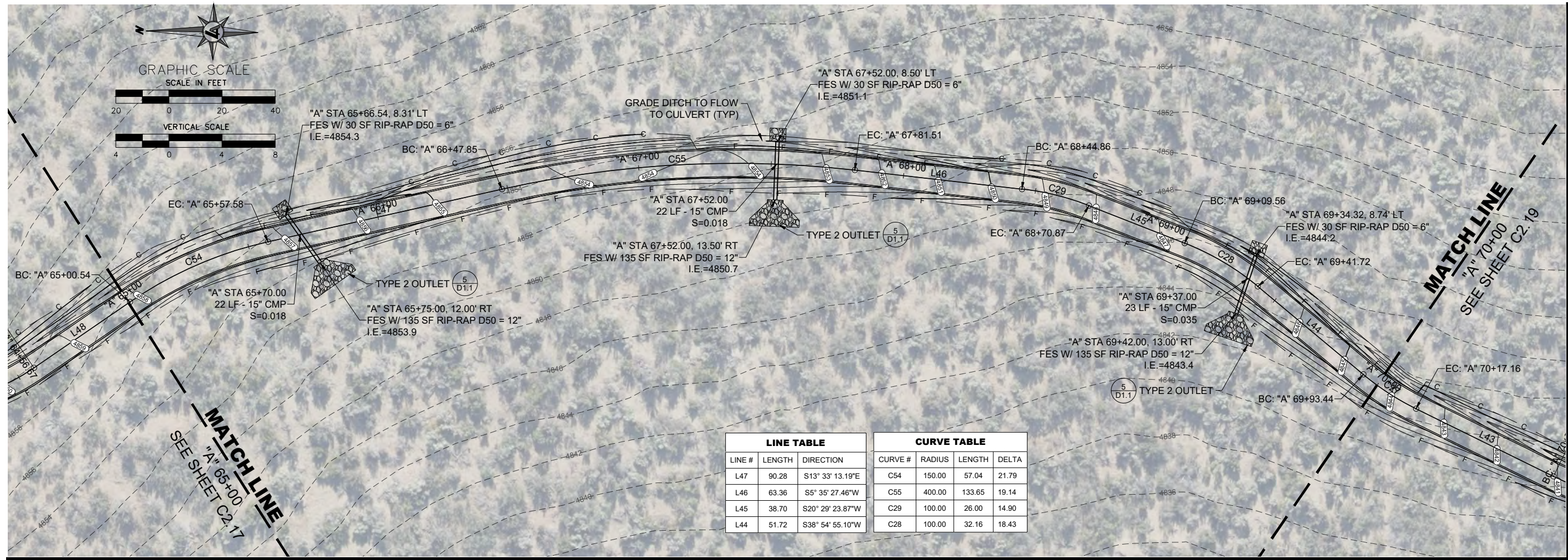
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 60+00 TO STA 65+00
CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
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JANUARY 19, 2024

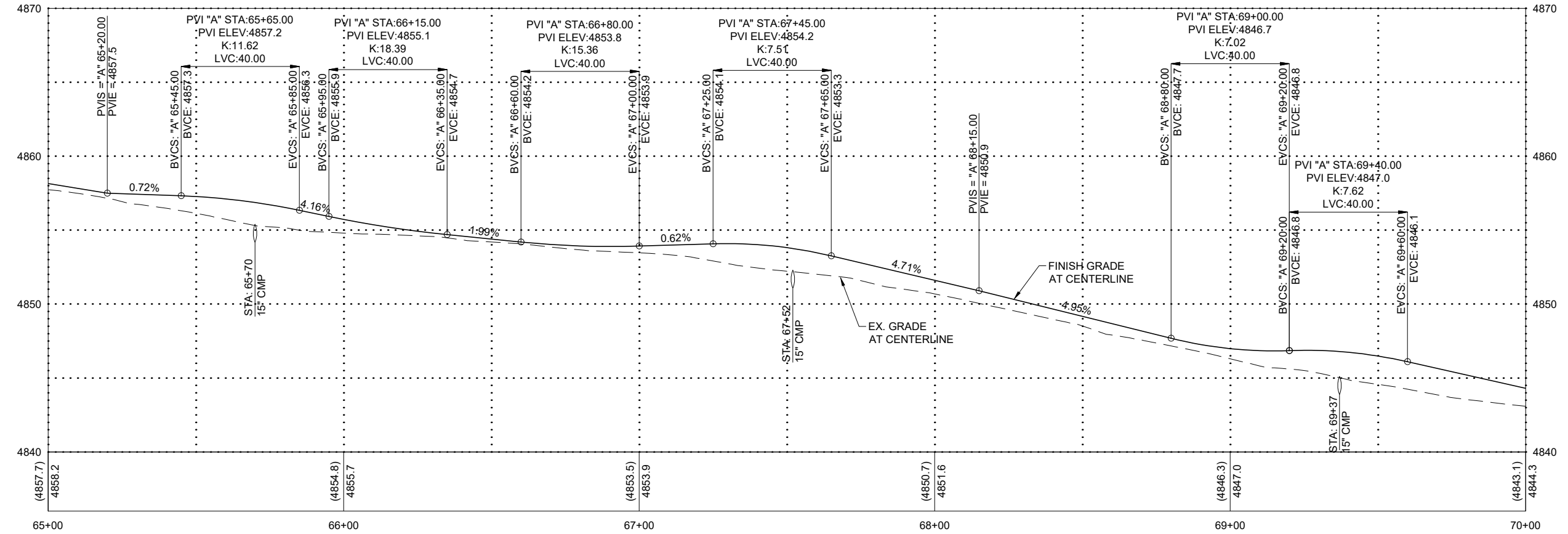
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JOB NO.: 1100.000

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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L47	90.28	S13° 33' 13.19"E	C54	150.00	57.04	21.79
L46	63.36	S5° 35' 27.46"W	C55	400.00	133.65	19.14
L45	38.70	S20° 29' 23.87"W	C29	100.00	26.00	14.90
L44	51.72	S38° 54' 55.10"W	C28	100.00	32.16	18.43

A - STA:65+00 TO STA:70+00



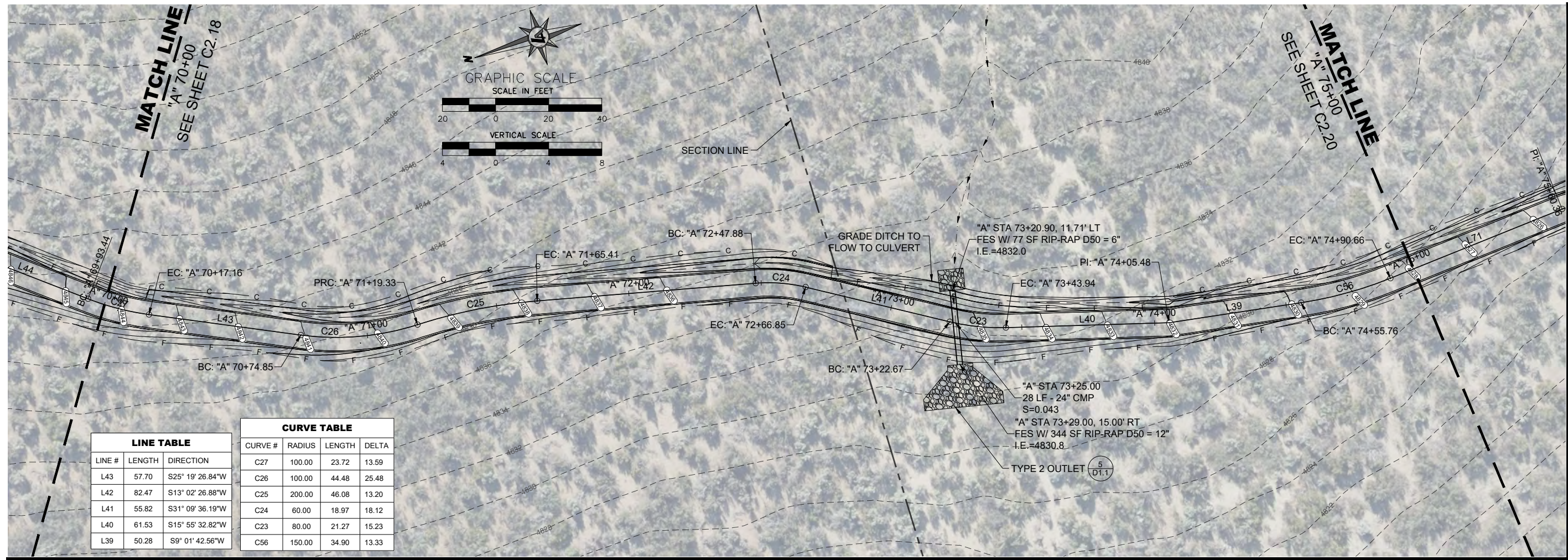
CARSON CITY
NEVADA
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 65+00 TO STA 70+00

REV	DATE	DESCRIPTION

90% SUBMITTAL
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JANUARY 19, 2024

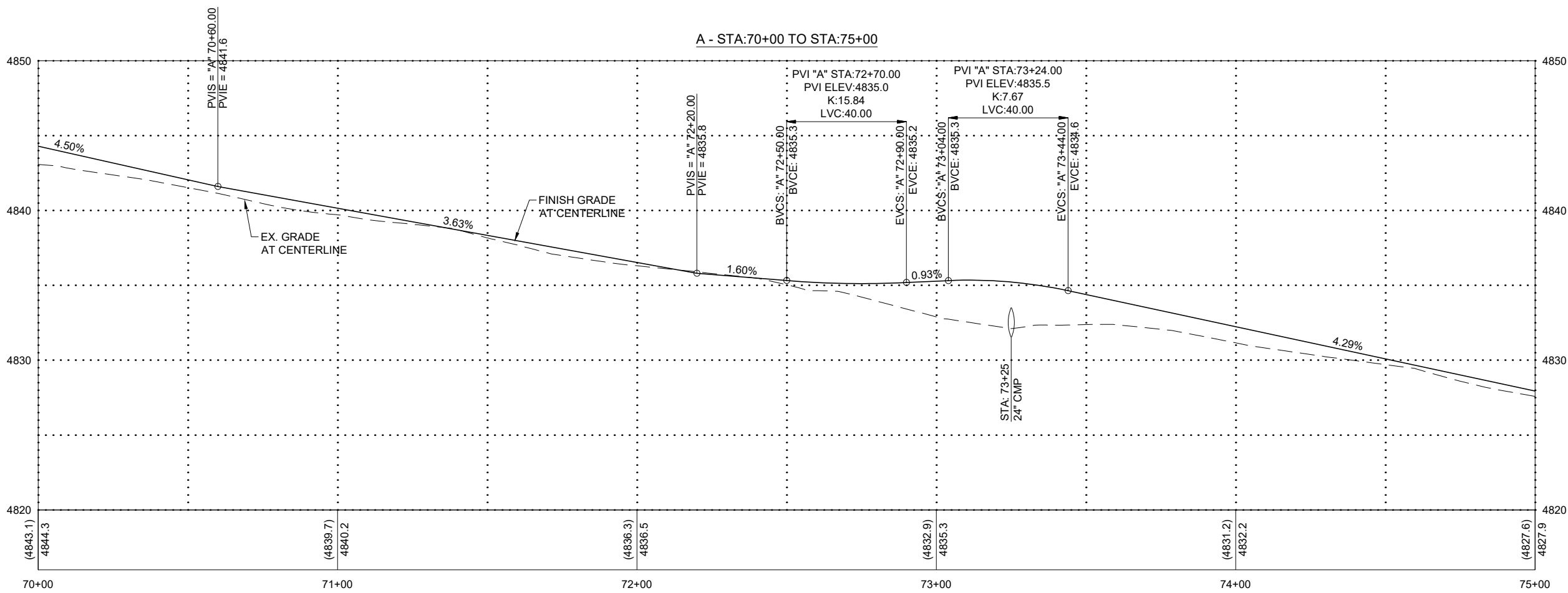
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JOB NO.: 1100.000

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LINE TABLE		
LINE #	LENGTH	DIRECTION
L43	57.70	S25° 19' 26.84"W
L42	82.47	S13° 02' 26.88"W
L41	55.82	S31° 09' 36.19"W
L40	61.53	S15° 55' 32.82"W
L39	50.28	S9° 01' 42.56"W

CURVE TABLE				
CURVE #	RADIUS	LENGTH	DELTA	
C27	100.00	23.72	13.59	
C26	100.00	44.48	25.48	
C25	200.00	46.08	13.20	
C24	60.00	18.97	18.12	
C23	80.00	21.27	15.23	
C56	150.00	34.90	13.33	

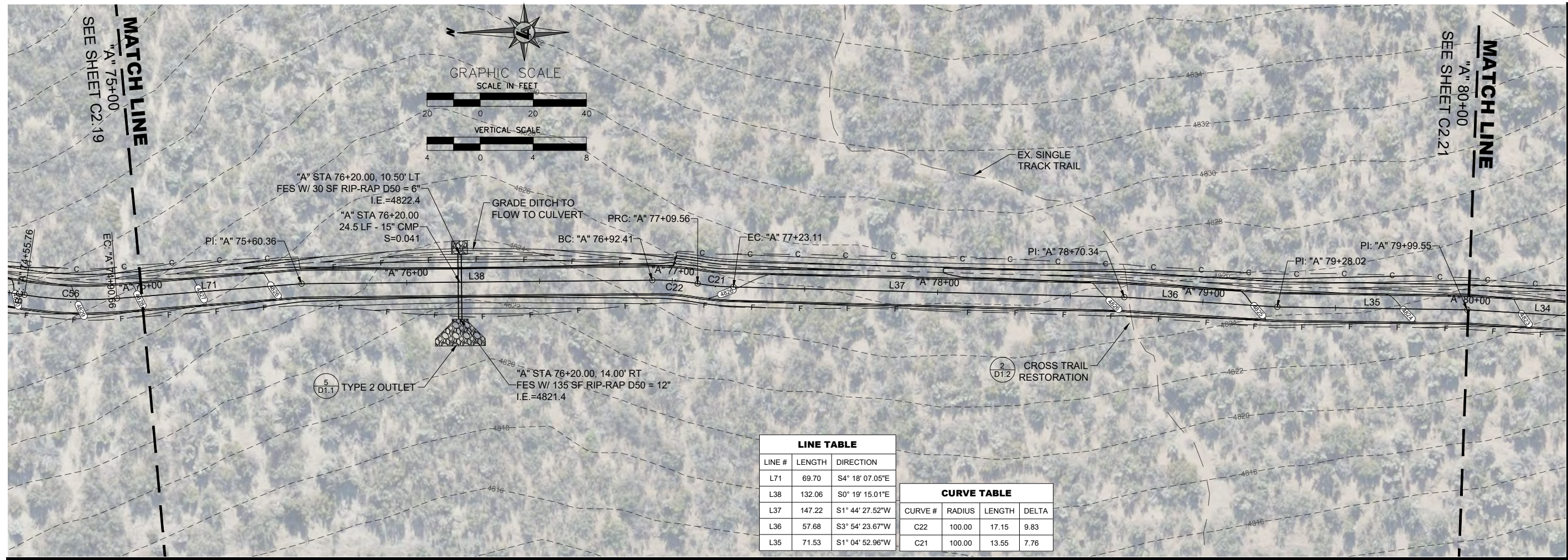


CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 70+00 TO STA 75+00
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

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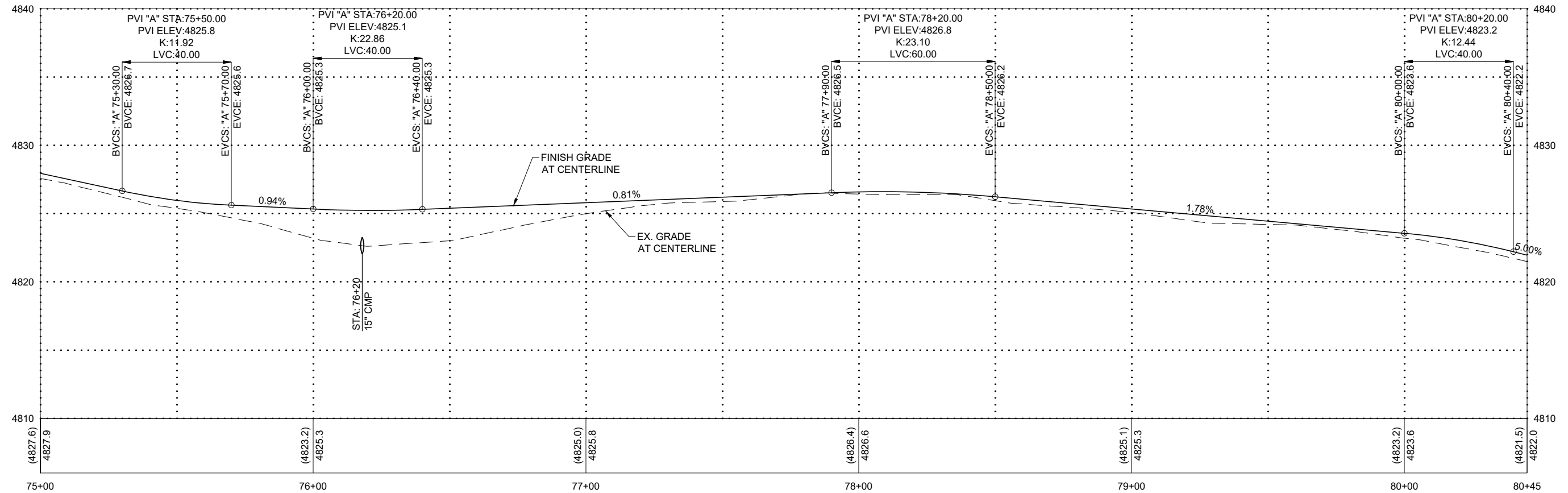
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L71	69.70	S4° 18' 07.05"E
L38	132.06	S0° 19' 15.01"E
L37	147.22	S1° 44' 27.52"W
L36	57.68	S3° 54' 23.67"W
L35	71.53	S1° 04' 52.96"W

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C22	100.00	17.15	9.83
C21	100.00	13.55	7.76

A - STA:75+00 TO STA:80+45



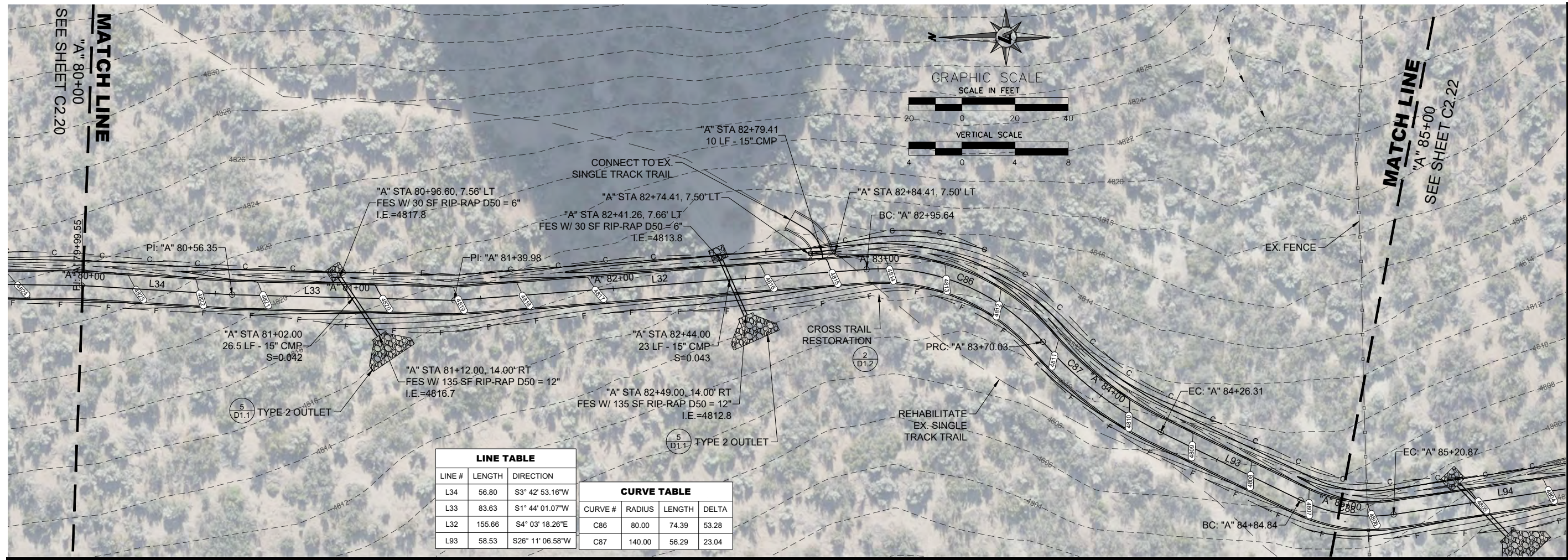
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 75+00 TO STA 80+00
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

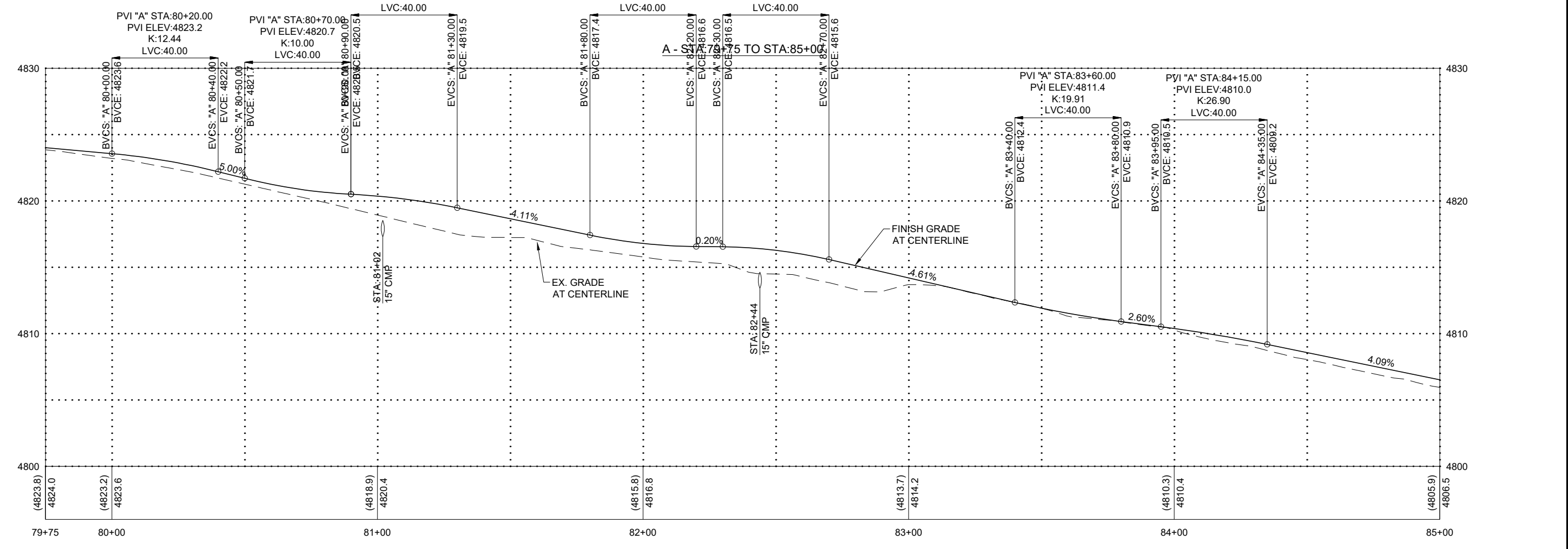
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C2.20
 DRAWN BY: JT/MP
 DESIGNED BY: CM/JT
 CHECKED BY: CM/MG
 JOB NO.: 11100.000

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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L34	56.80	S3° 42' 53.16"W	C86	80.00	74.39	53.28
L33	83.63	S1° 44' 01.07"W	C87	140.00	56.29	23.04
L32	155.66	S4° 03' 18.26"E				
L93	58.53	S26° 11' 06.58"W				

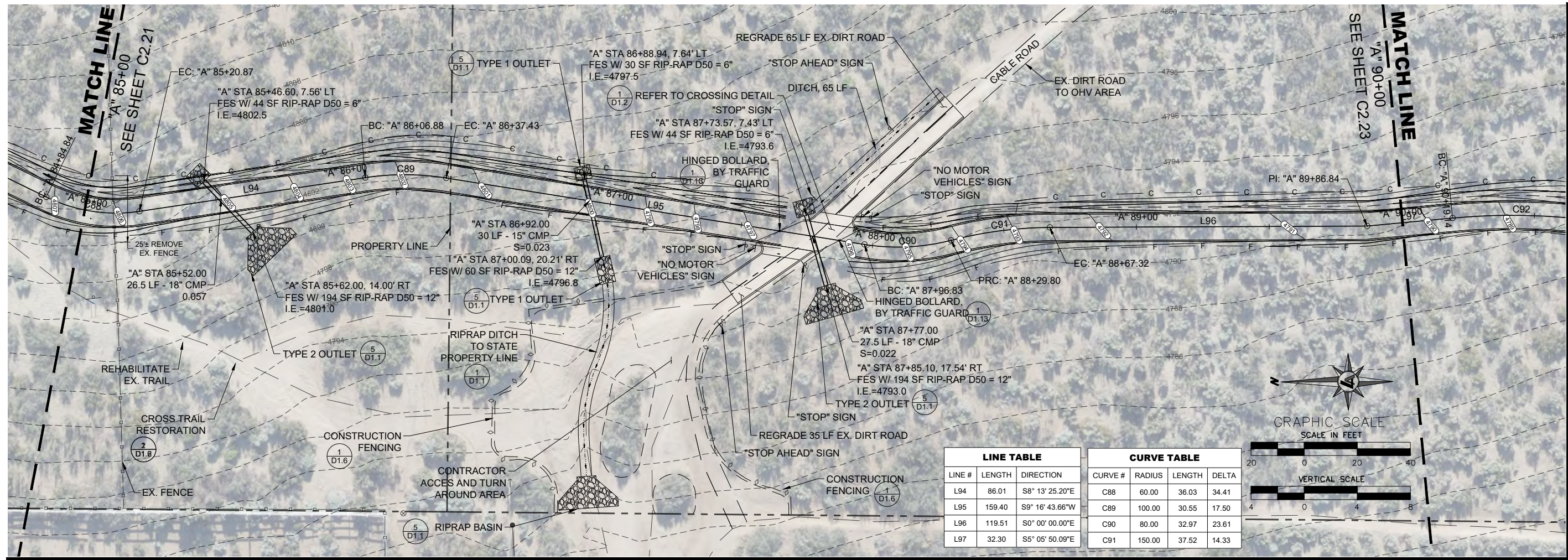


CARSON CITY, NEVADA
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 80+00 TO STA 85+00

REV	DATE	DESCRIPTION	BY

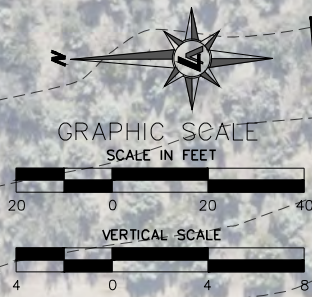
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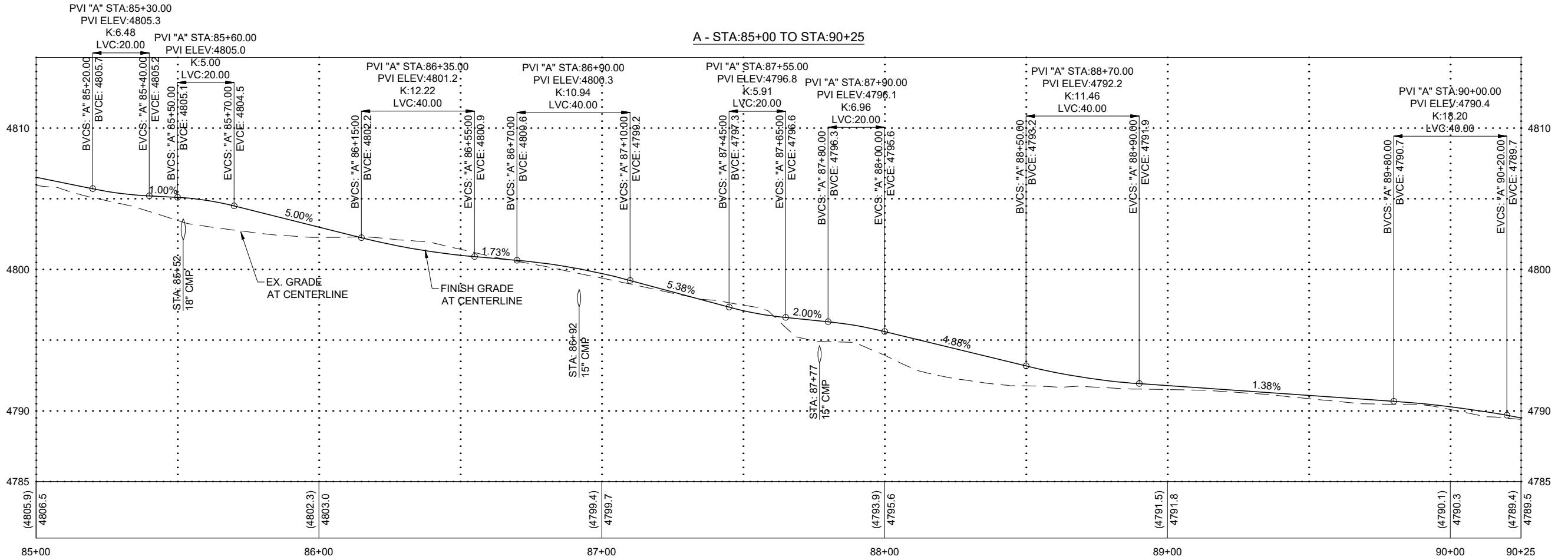


LINE #	LENGTH	DIRECTION
L94	86.01	S8° 13' 25.20"E
L95	159.40	S9° 16' 43.66"W
L96	119.51	S0° 00' 00.00"E
L97	32.30	S5° 05' 50.09"E

CURVE #	RADIUS	LENGTH	DELTA
C88	60.00	36.03	34.41
C89	100.00	30.55	17.50
C90	80.00	32.97	23.61
C91	150.00	37.52	14.33



A - STA:85+00 TO STA:90+25



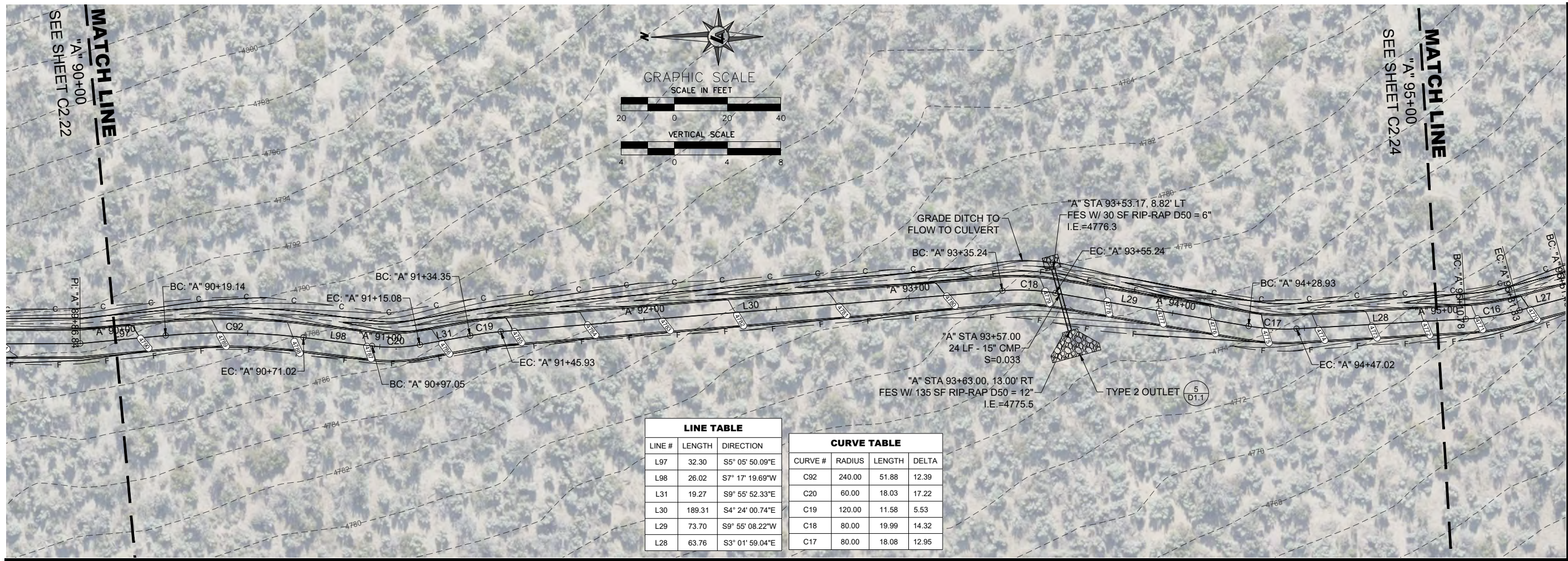
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 85+00 TO STA 90+00
NEVADA
CARSON CITY

REV	DATE	DESCRIPTION	BY

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JANUARY 19, 2024

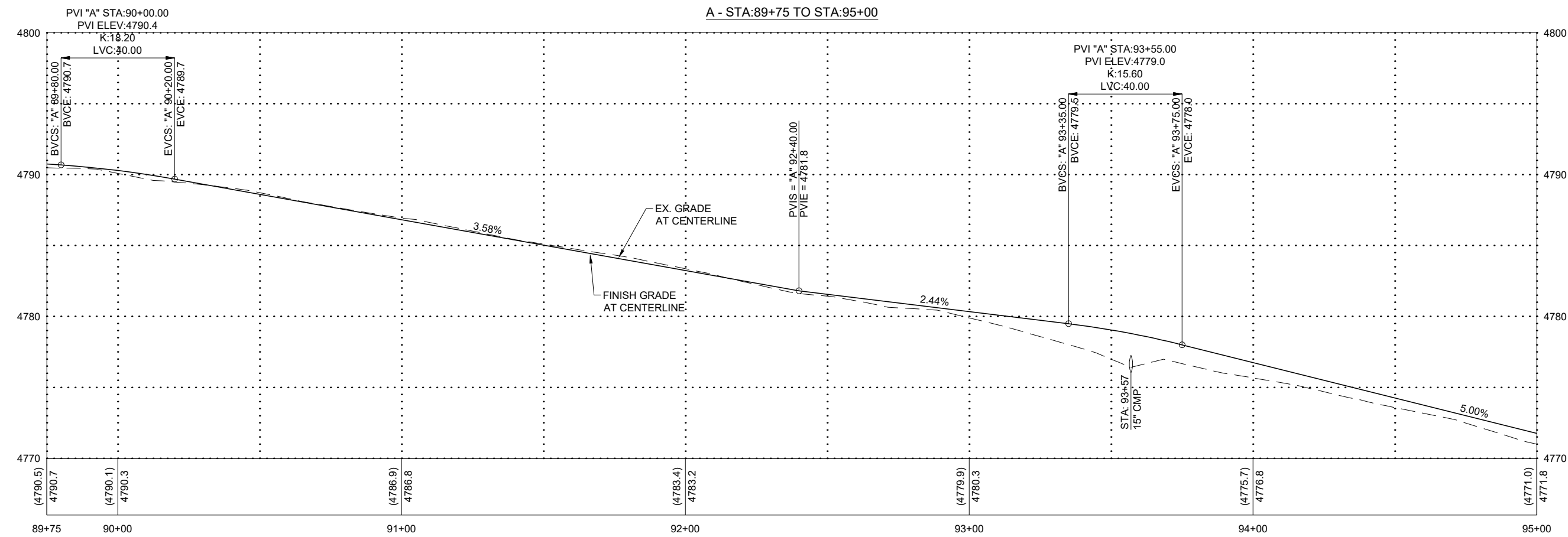
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DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

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LINE TABLE		
LINE #	LENGTH	DIRECTION
L97	32.30	S5° 05' 50.09"E
L98	26.02	S7° 17' 19.69"W
L31	19.27	S9° 55' 52.33"E
L30	189.31	S4° 24' 00.74"E
L29	73.70	S9° 55' 08.22"W
L28	63.76	S3° 01' 59.04"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C92	240.00	51.88	12.39
C20	60.00	18.03	17.22
C19	120.00	11.58	5.53
C18	80.00	19.99	14.32
C17	80.00	18.08	12.95



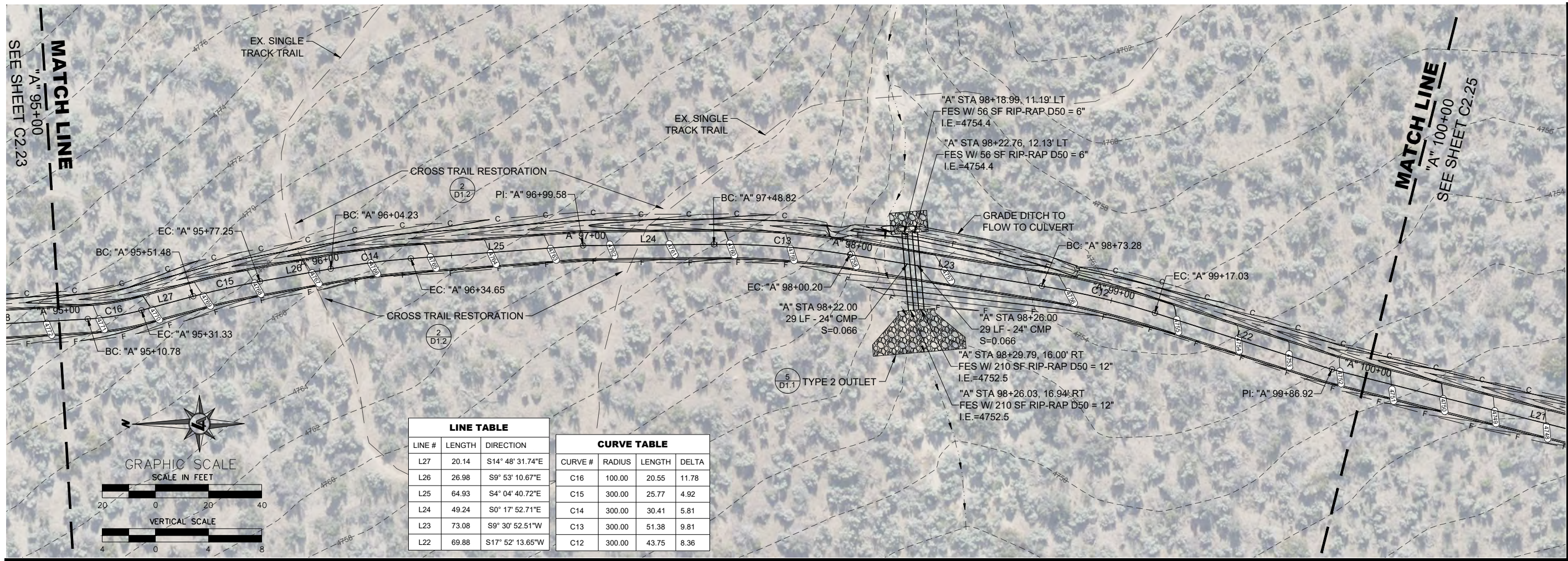
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 90+00 TO STA 95+00
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

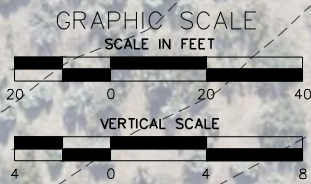
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 JANUARY 19, 2024

C2.23
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 CHECKED BY: CM/MG
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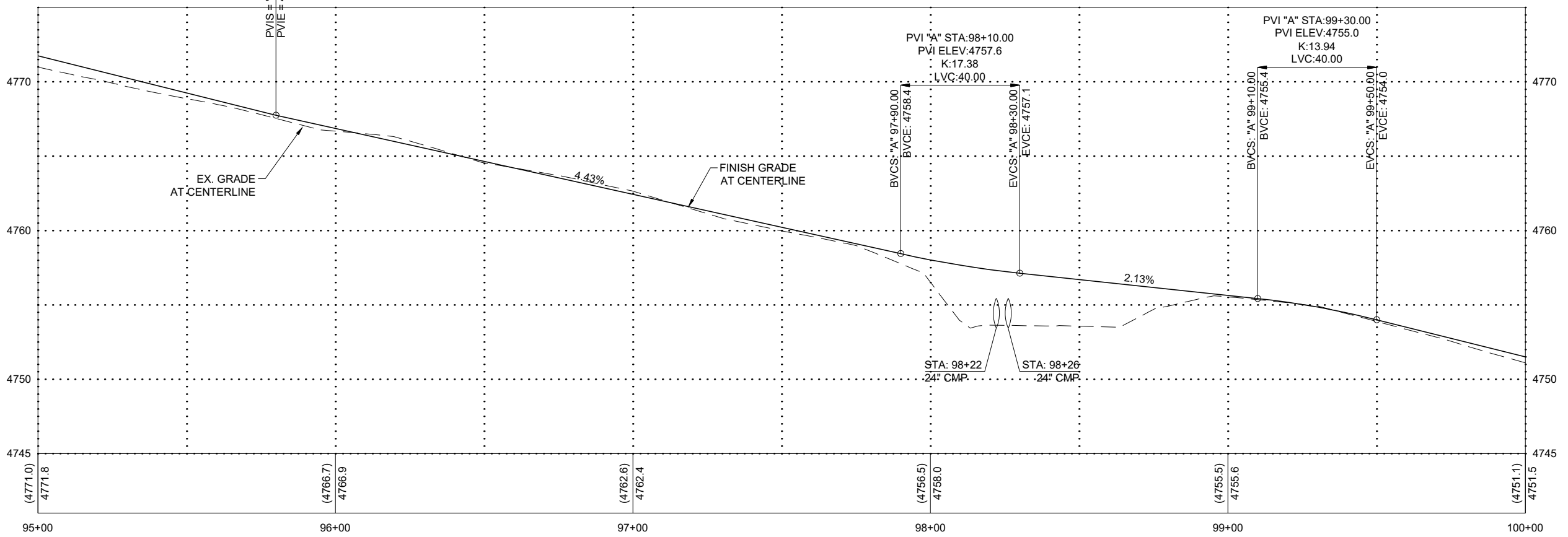
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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L27	20.14	S14° 48' 31.74"E	C16	100.00	20.55	11.78
L26	26.98	S9° 53' 10.67"E	C15	300.00	25.77	4.92
L25	64.93	S4° 04' 40.72"E	C14	300.00	30.41	5.81
L24	49.24	S0° 17' 52.71"E	C13	300.00	51.38	9.81
L23	73.08	S9° 30' 52.51"W	C12	300.00	43.75	8.36
L22	69.88	S17° 52' 13.65"W				



A - STA:95+00 TO STA:100+00

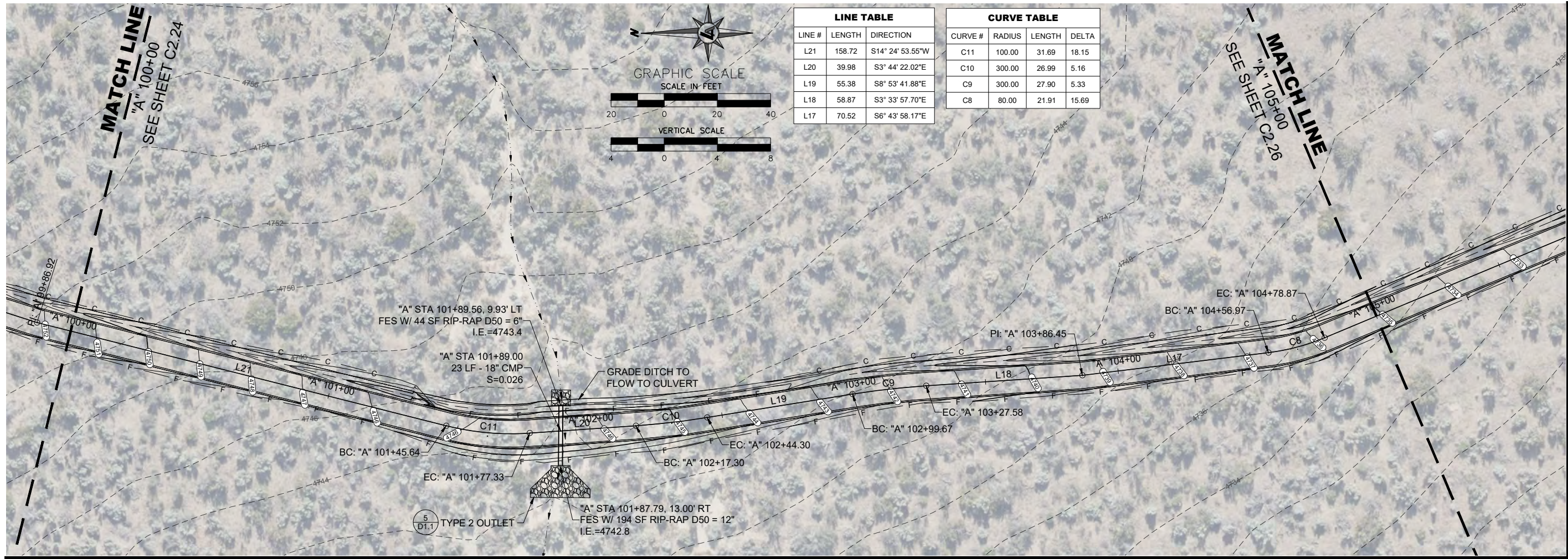


CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 95+00 TO STA 100+00
 CARSON CITY, NEVADA

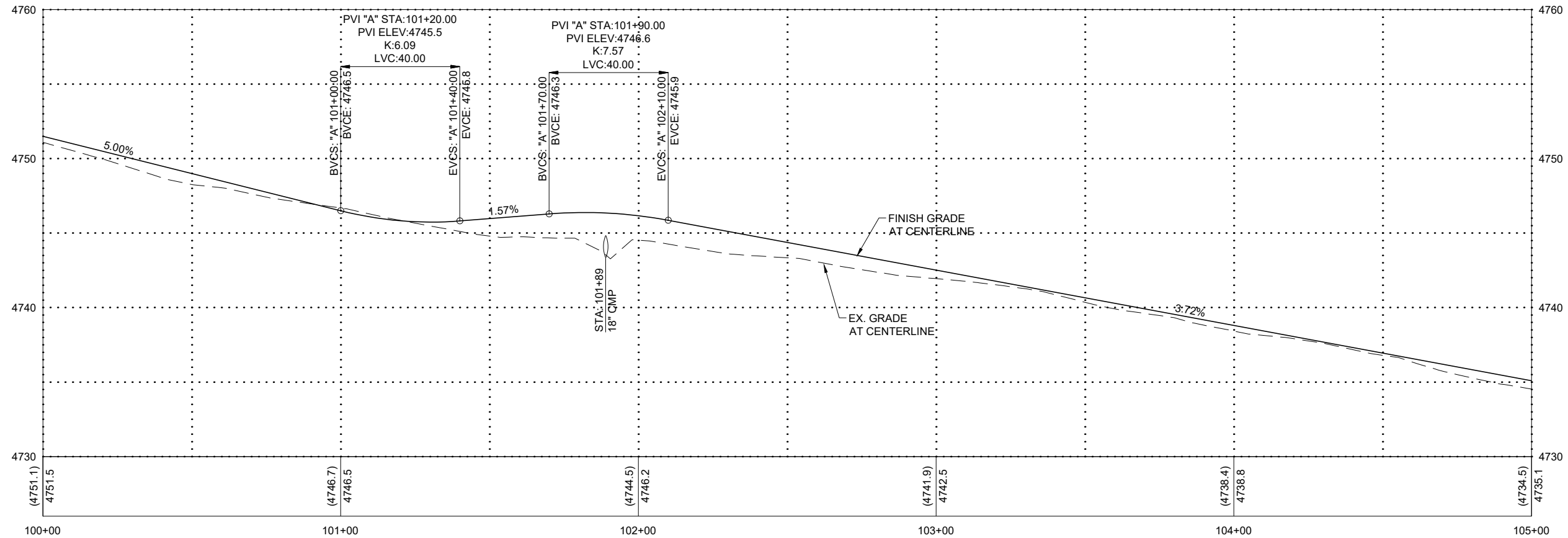
REV	DATE	DESCRIPTION	BY

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A - STA:100+00 TO STA:105+00



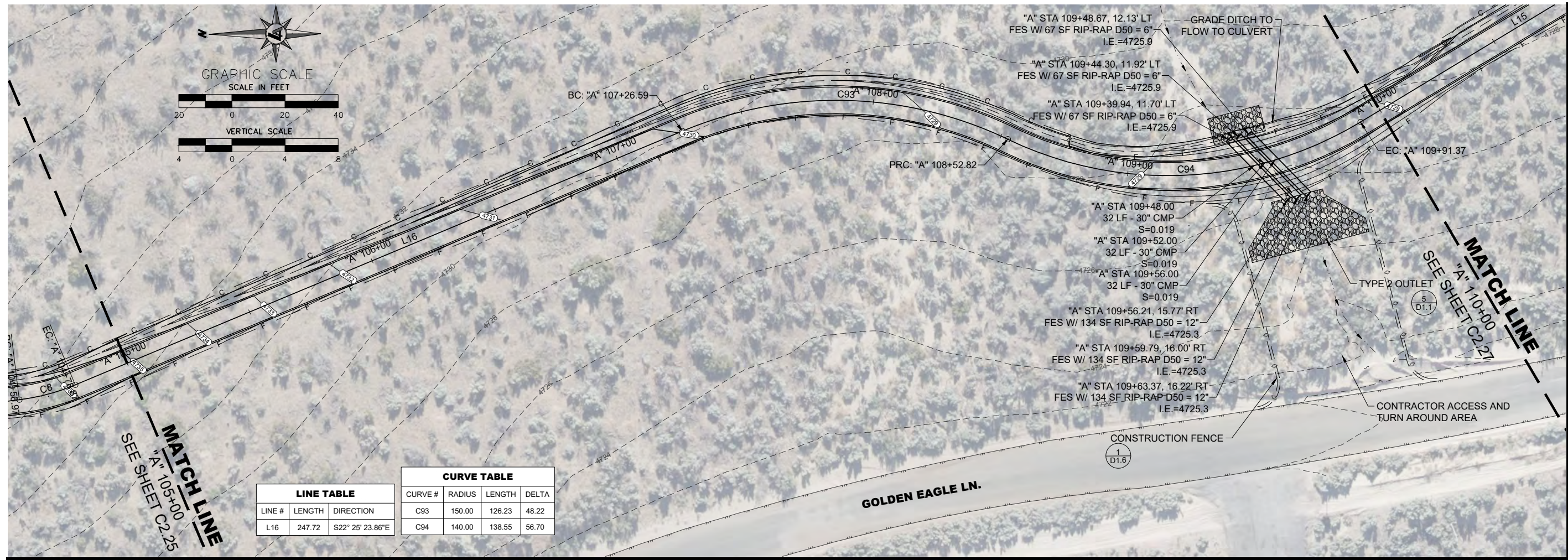
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 100+00 TO STA 105+00
CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
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JANUARY 19, 2024

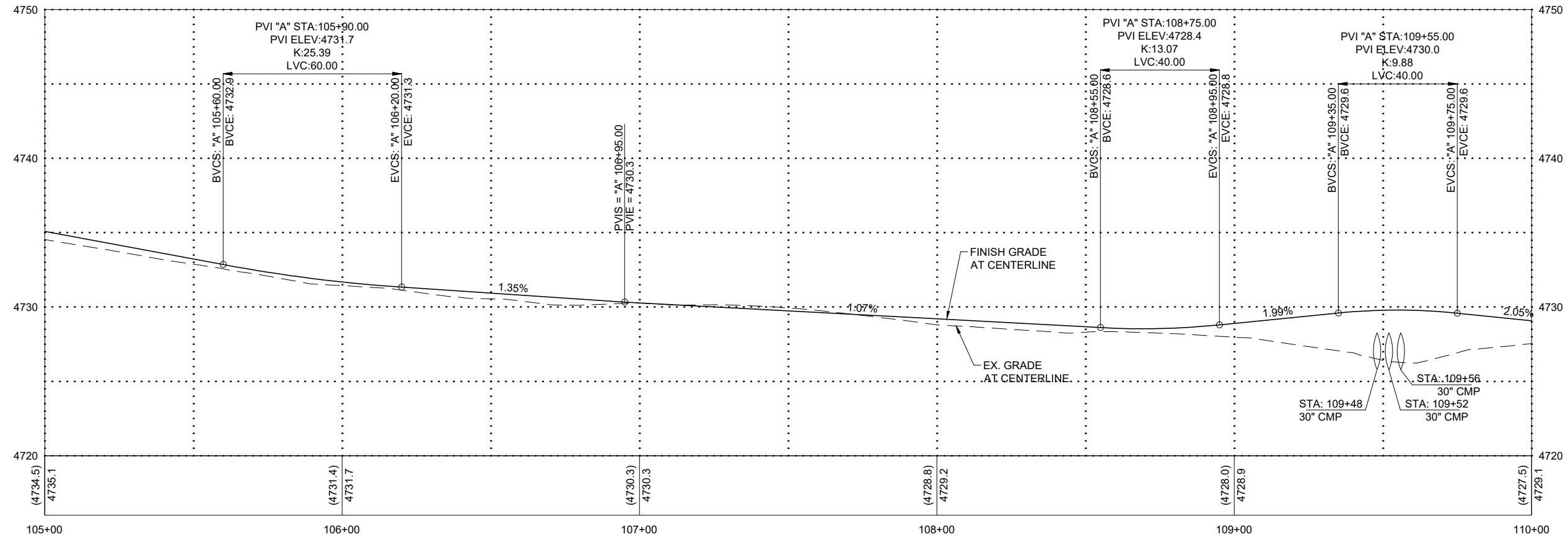
C2.25
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CHECKED BY: CM/MG
JOB NO.: 1100.000

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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L16	247.72	S22° 25' 23.86"E	C93	150.00	126.23	48.22
			C94	140.00	138.55	56.70

A - STA:105+00 TO STA:110+00

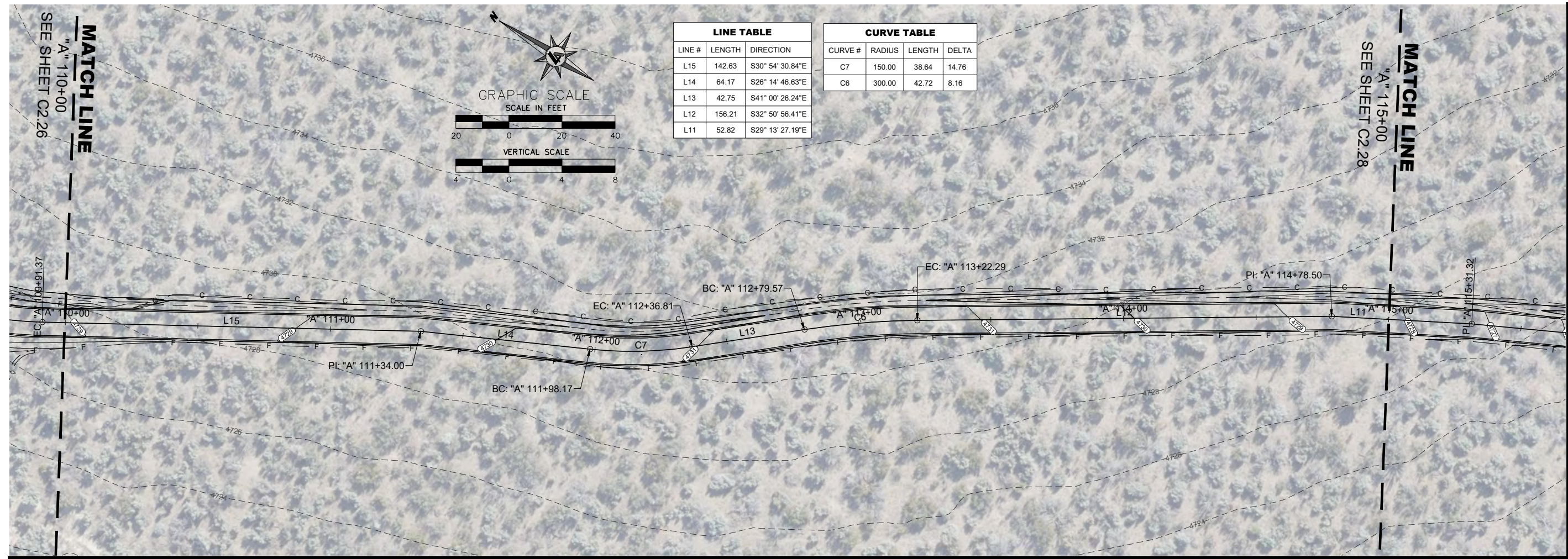


CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 105+00 TO STA 110+00
NEVADA
CARSON CITY

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
NOT FOR CONSTRUCTION
JANUARY 19, 2024

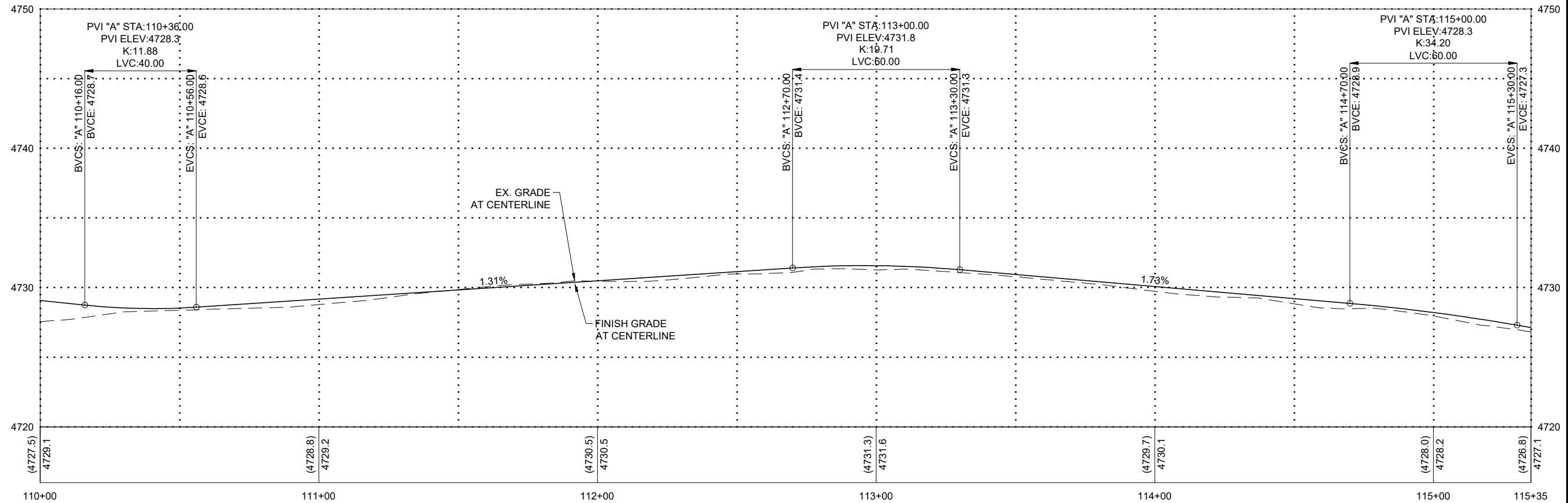
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L15	142.63	S30° 54' 30.84"E
L14	64.17	S26° 14' 46.63"E
L13	42.75	S41° 00' 26.24"E
L12	156.21	S32° 50' 56.41"E
L11	52.82	S29° 13' 27.19"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C7	150.00	38.64	14.76
C6	300.00	42.72	8.16

A - STA:110+00 TO STA:115+35



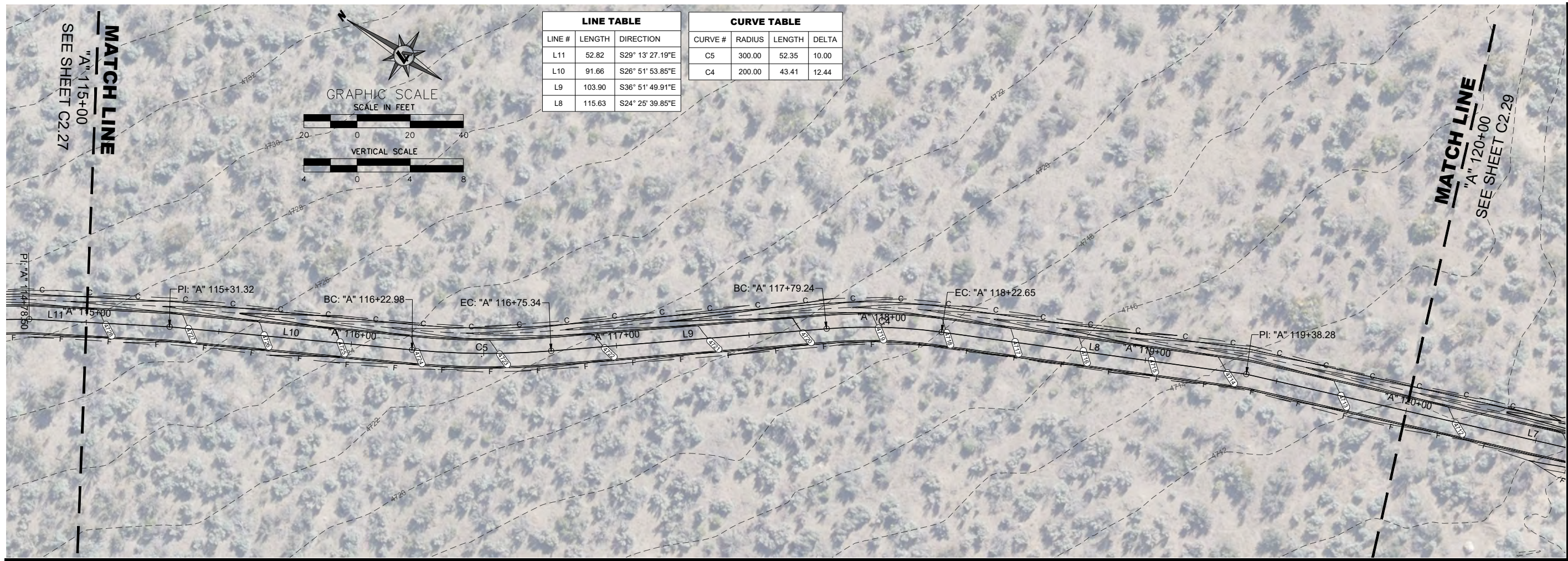
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 110+00 TO STA 115+00
CARSON CITY NEVADA

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
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JANUARY 19, 2024

C2.27
DRAWN BY: JT/MP
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 11100.000

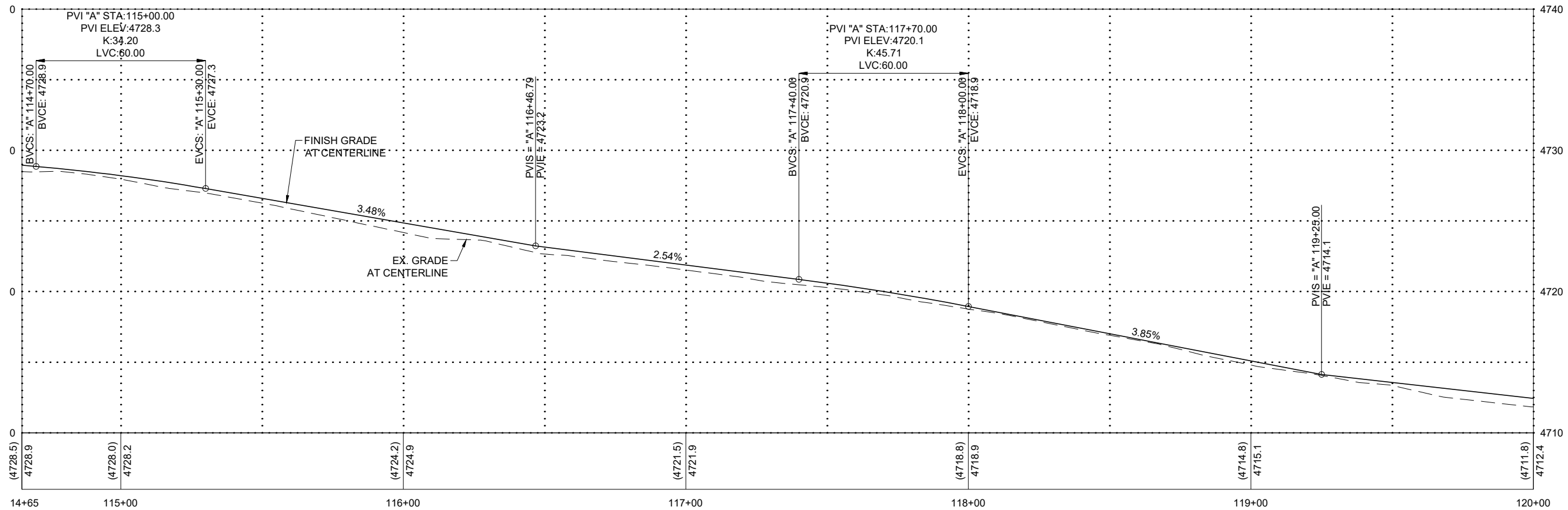
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L11	52.82	S29° 13' 27.19"E
L10	91.66	S26° 51' 53.85"E
L9	103.90	S36° 51' 49.91"E
L8	115.63	S24° 25' 39.85"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C5	300.00	52.35	10.00
C4	200.00	43.41	12.44

A - STA:114+65 TO STA:120+00



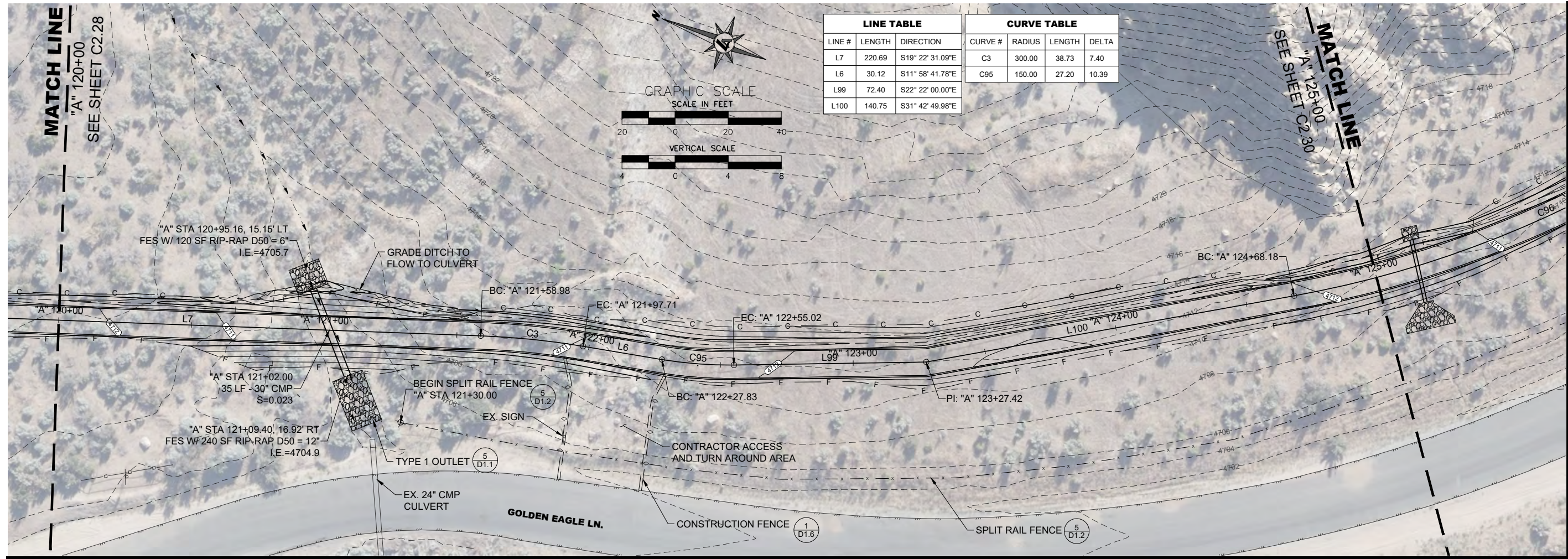
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 115+00 TO STA 120+00
CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

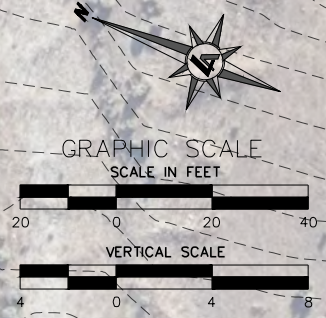
90% SUBMITTAL
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JANUARY 19, 2024

C2.28
DRAWN BY: JT/MP
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

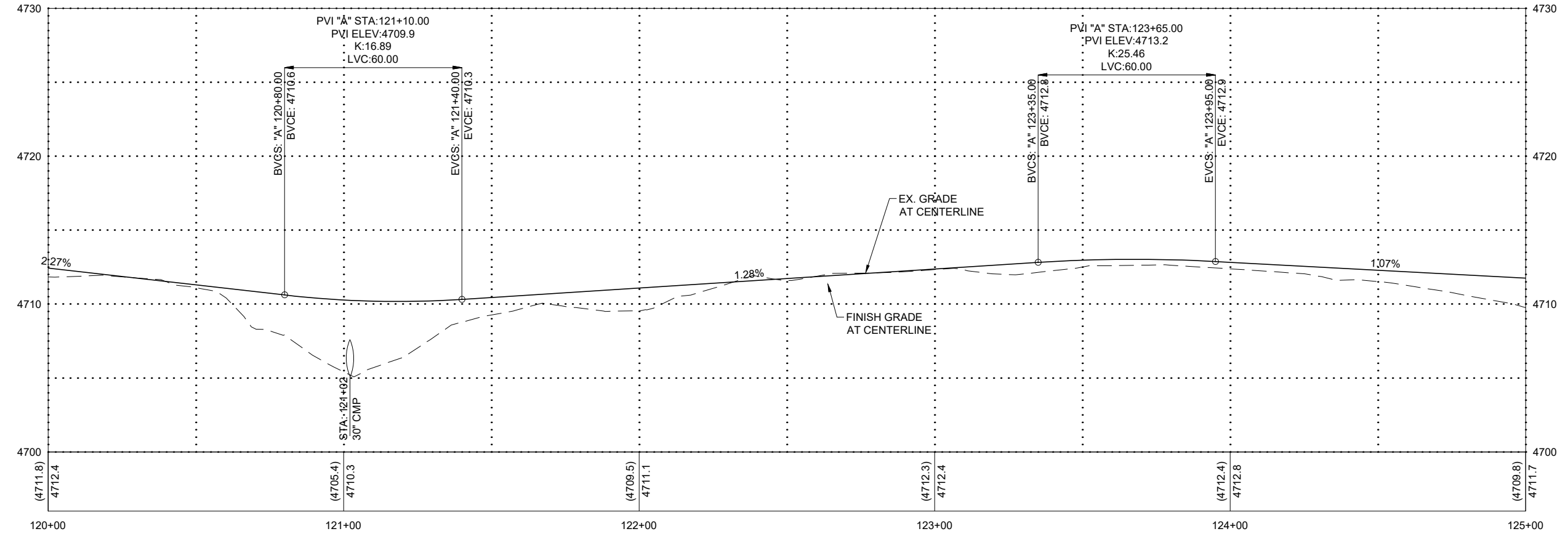
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LINE TABLE			CURVE TABLE			
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	LENGTH	DELTA
L7	220.69	S19° 22' 31.09"E	C3	300.00	38.73	7.40
L6	30.12	S11° 58' 41.78"E	C95	150.00	27.20	10.39
L99	72.40	S22° 22' 00.00"E				
L100	140.75	S31° 42' 49.98"E				



A - STA:120+00 TO STA:125+00



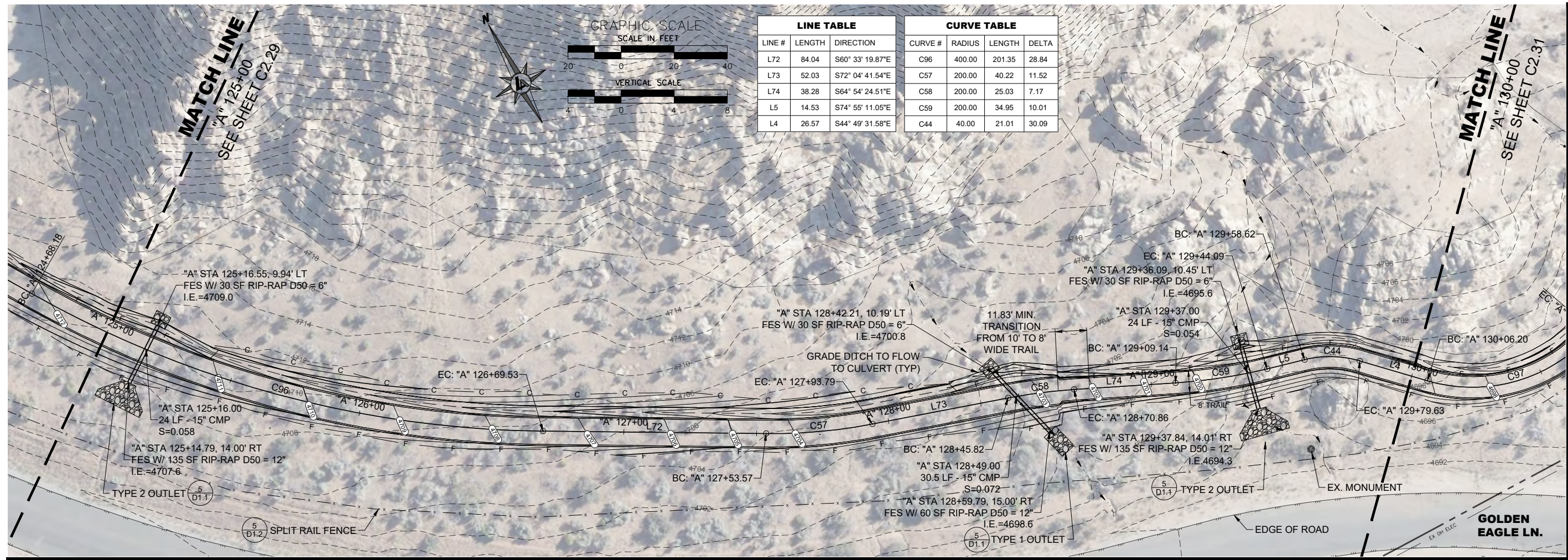
CARSON CITY
NEVADA
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 120+00 TO STA 125+00

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
NOT FOR CONSTRUCTION
JANUARY 19, 2024

C2.29
DRAWN BY: JT/MP
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

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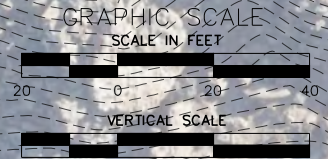


LINE TABLE

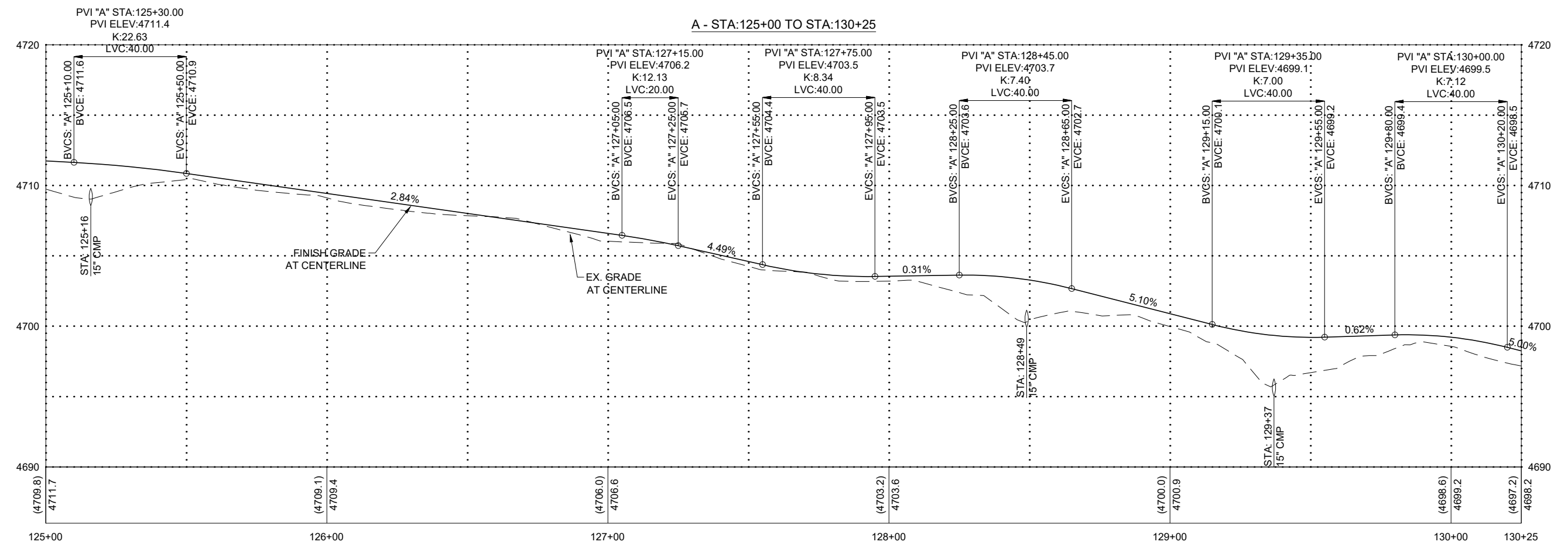
LINE #	LENGTH	DIRECTION
L72	84.04	S60° 33' 19.87"E
L73	52.03	S72° 04' 41.54"E
L74	38.28	S64° 54' 24.51"E
L5	14.53	S74° 55' 11.05"E
L4	26.57	S44° 49' 31.58"E

CURVE TABLE

CURVE #	RADIUS	LENGTH	DELTA
C96	400.00	201.35	28.84
C57	200.00	40.22	11.52
C58	200.00	25.03	7.17
C59	200.00	34.95	10.01
C44	40.00	21.01	30.09



A - STA:125+00 TO STA:130+25

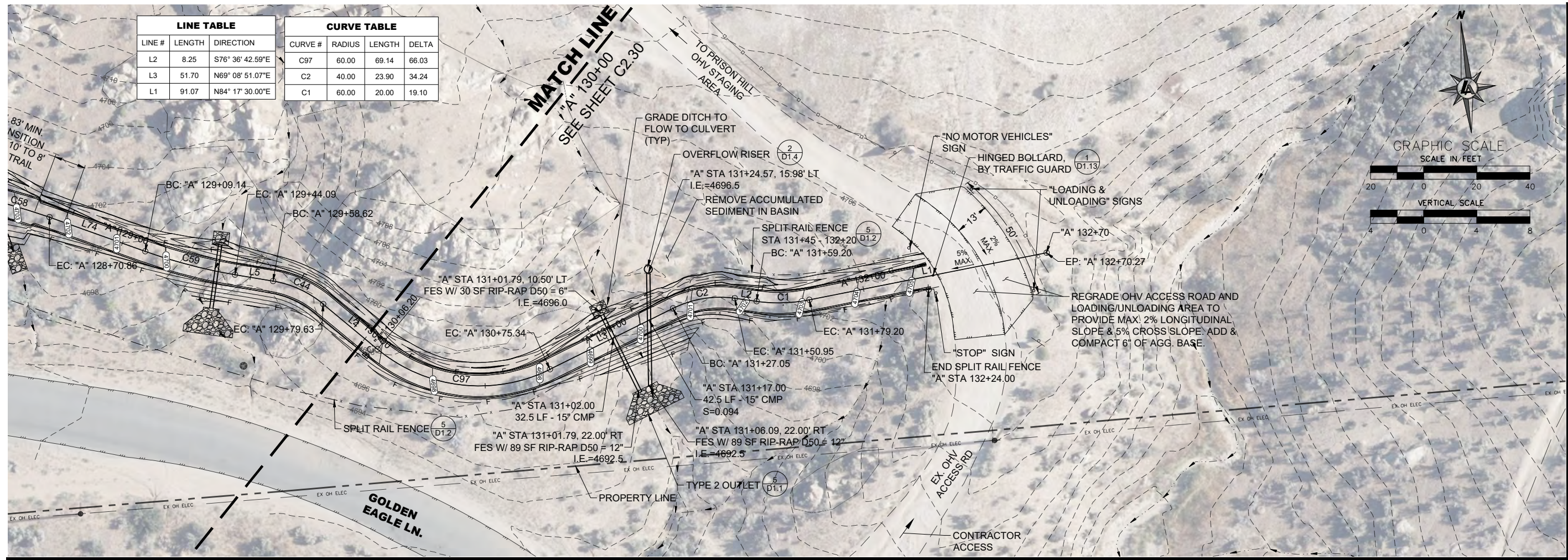


CARSON CITY, NEVADA
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 125+00 TO STA 130+00

90% SUBMITTAL
NOT FOR CONSTRUCTION
JANUARY 19, 2024

REV	DATE	DESCRIPTION	BY

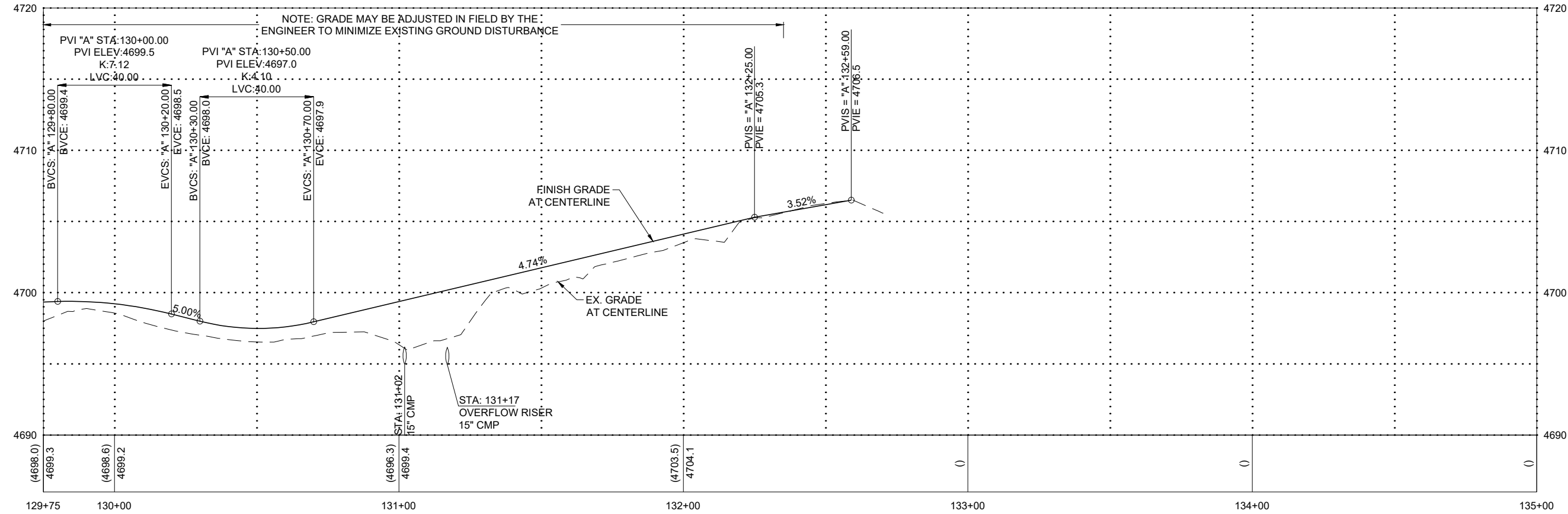
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LINE TABLE		
LINE #	LENGTH	DIRECTION
L2	8.25	S76° 36' 42.59"E
L3	51.70	N69° 08' 51.07"E
L1	91.07	N84° 17' 30.00"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C97	60.00	69.14	66.03
C2	40.00	23.90	34.24
C1	60.00	20.00	19.10

A - STA:129+75 TO STA:135+00



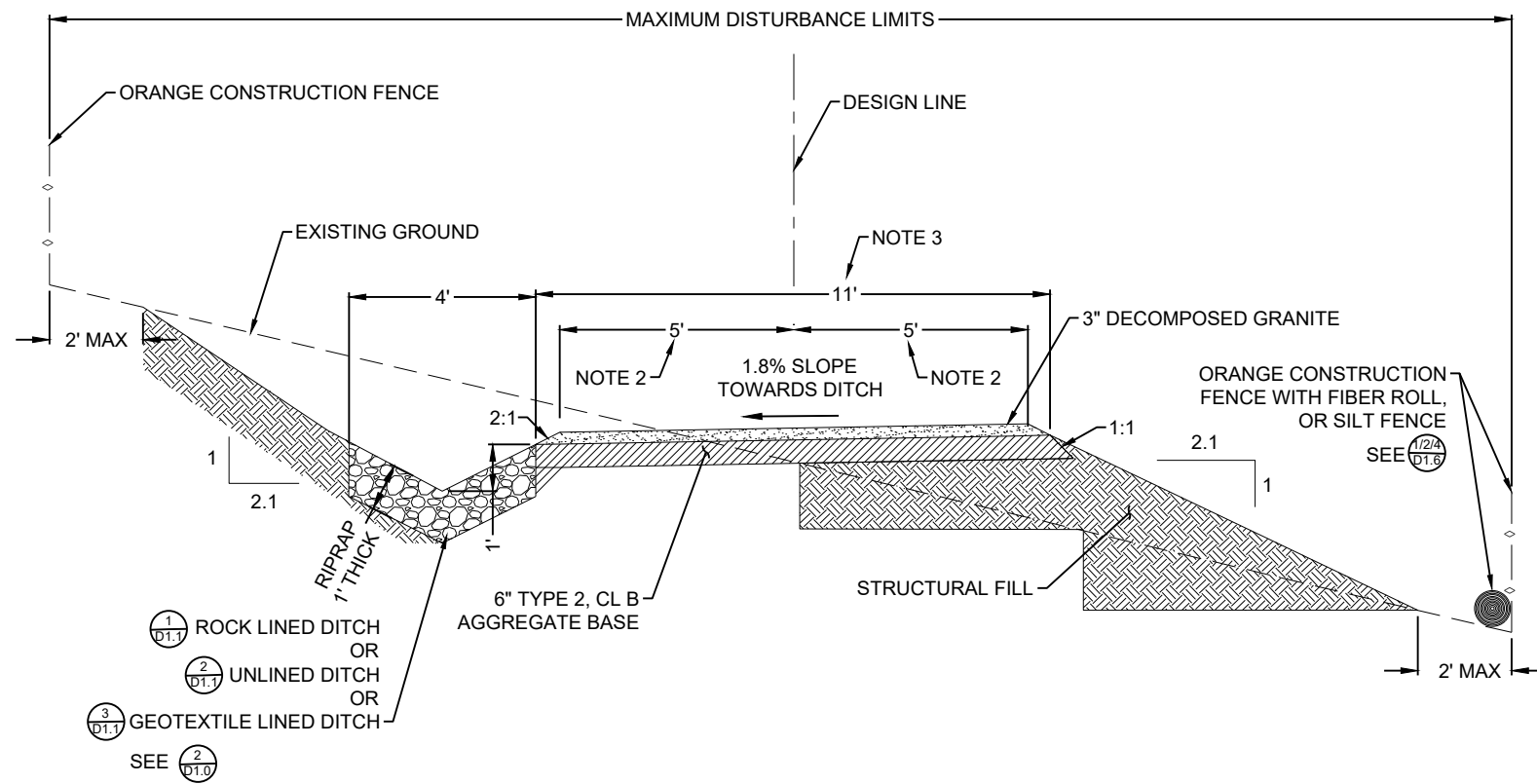
CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
PLAN & PROFILE STA 130+00 TO STA 135+00
CARSON CITY, NEVADA

REV	DATE	DESCRIPTION	BY

90% SUBMITTAL
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JANUARY 19, 2024

C2.31
DRAWN BY: JT/MP
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

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- NOTES:
1. WHEN UPHILL SIDE OF TRAIL IS IN FILL, PLACE ROCK LINED DITCH AT TOE OF SLOPE.
 2. TRAIL WIDTH REDUCED TO 8' WHERE SHOWN ON PLANS.

1 TYPICAL TRAIL SECTION
D1.0 N.T.S.

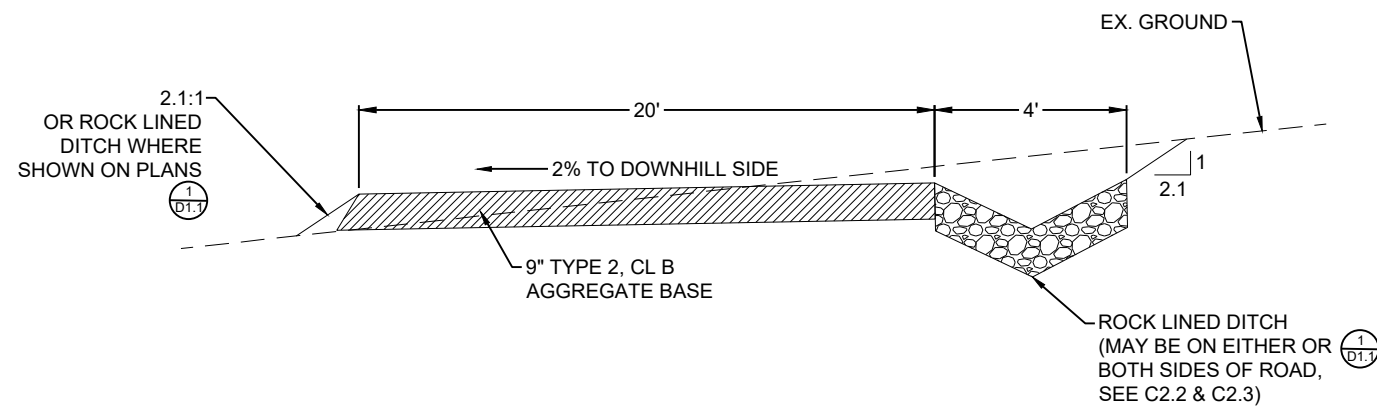
SEGMENT - PRISON HILL WEST TRAIL							
BEGIN STA.	END STA.	DITCH TYPE	TRAIL WIDTH	CROSS SLOPE	SIDE SLOPES		COMMENTS
					LEFT	RIGHT	
0+50	2+60	GLD	10'	LT	2.1:1	2.1:1	
2+60	4+00	RLD	10'	LT	2.1:1	2.1:1	
4+00	7+10	ULD	10'	LT	2.1:1	2.1:1	
7+10	15+30	GLD	10'	LT	2.1:1	2.1:1	
15+30	23+42	RLD	10'	LT	2.1:1	2.1:1	
23+42	25+52	GLD	10'	LT	2.1:1	2.1:1	
25+52	27+02	RLD	10'	LT	2.1:1	2.1:1	
27+02	31+02	ULD	10'	LT	2.1:1	2.1:1	
31+02	33+37	GLD	10'	LT	2.1:1	2.1:1	
33+37	38+02	RLD	10'	LT	2.1:1	2.1:1	
38+02	40+02	GLD	10'	LT	2.1:1	2.1:1	
40+02	52+02	RLD	10'	LT	2.1:1	2.1:1	
52+02	56+02	GLD	10'	LT	2.1:1	2.1:1	
56+02	60+02	ULD	10'	LT	2.1:1	2.1:1	
60+02	63+52	RLD	10'	LT	2.1:1	2.1:1	
63+52	72+52	GLD	10'	LT	2.1:1	2.1:1	
72+52	74+02	RLD	10'	LT	2.1:1	2.1:1	
74+02	75+52	GLD	10'	LT	2.1:1	2.1:1	
75+52	78+02	ULD	10'	LT	2.1:1	2.1:1	
78+02	98+52	RLD	10'	LT	2.1:1	2.1:1	
98+52	101+32	GLD	10'	LT	2.1:1	2.1:1	
101+32	102+52	RLD	10'	LT	2.1:1	2.1:1	
102+52	108+77	GLD	10'	LT	2.1:1	2.1:1	
108+77	110+27	RLD	10'	LT	2.1:1	2.1:1	
110+27	115+02	ULD	10'	LT	2.1:1	2.1:1	
115+02	120+52	GLD	10'	LT	2.1:1	2.1:1	
120+52	121+52	RLD	10'	LT	2.1:1	2.1:1	
121+52	123+67	ULD	10'	LT	2.1:1	2.1:1	
123+67	124+52	GLD	10'	LT	2.1:1	2.1:1	
124+52	128+65	RLD	10'	LT	2.1:1	2.1:1	
128+65	132+25	RLD	8'	LT	1.5:1	1.5:1	RSP (LEFT & RIGHT)

RLD = ROCK LINED DITCH
ULD = UNLINED DITCH
GLD = GEOTEXTILE LINED DITCH
RSP = ROCK SLOPE PROTECTION (RIP-RAP)

2 TYPICAL TRAIL SECTIONS TABLE
D1.0 N.T.S.

GENERAL NOTES:

1. STATIONS ARE A GENERAL INDICATION OF THE EXTENT OF EACH TYPICAL SECTION. THE EXTENT OF EACH TYPICAL TRAIL SECTION AND TRAIL ELEVATIONS MAY BE VARIED IN THE FIELD BY THE ENGINEER TO BEST FIT EXISTING GROUND CONDITIONS AND TO ACCOMMODATE LOCAL VARIATIONS IN EXISTING TREES, ROCKS, AND TOPOGRAPHY.
2. ALL SURFACES TO RECEIVE FILL AND/OR AGGREGATE BASE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12-INCHES, ROCKS GREATER THAN 4-INCHES REMOVED, MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM, AND RECOMPACTED TO AT LEAST 90% OF THE ASTM D1557 STANDARD. REFER TO GEOTECHNICAL REPORT FOR FURTHER REQUIREMENTS.
3. ALL SLOPES AND DISTURBED AREAS THAT DO NOT HAVE ROCK SLOPE PROTECTION SHALL BE HYDROSEEDING.

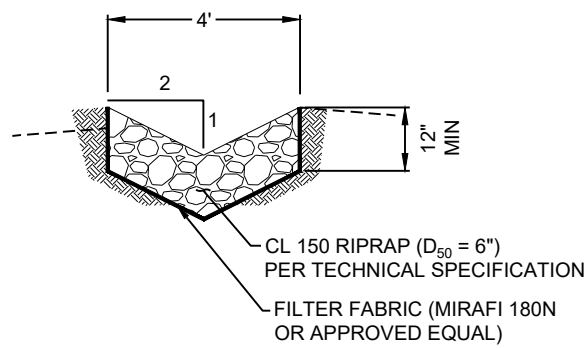


3 ACCESS ROAD TYPICAL SECTION
D1.0 N.T.S.

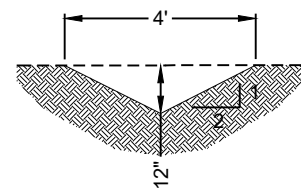
REV	DATE	DESCRIPTION

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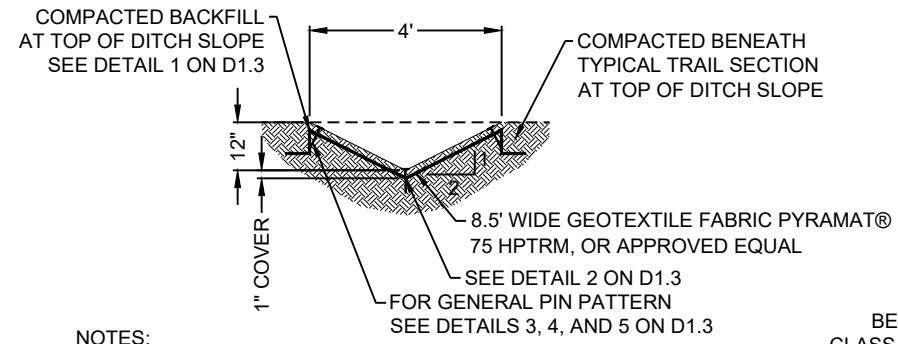
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1 ROCK LINED DITCH
D1.1 N.T.S.

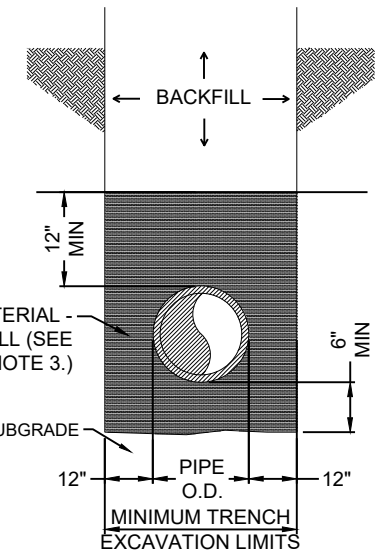


2 UNLINED DITCH
D1.1 N.T.S.



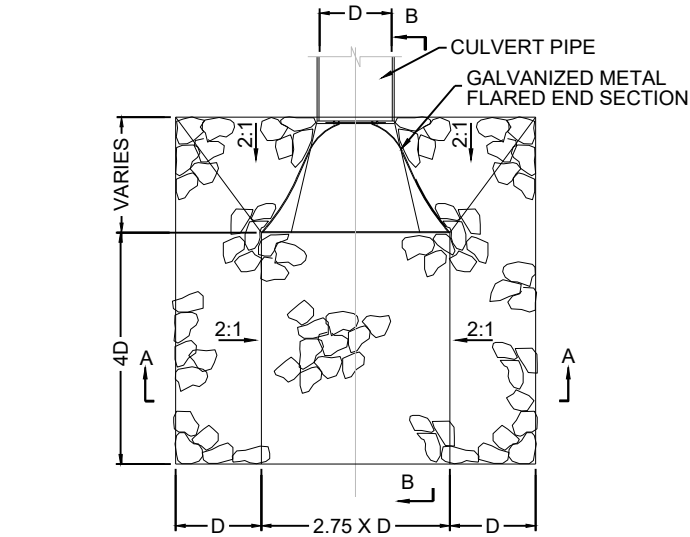
NOTES:
1. ADDITIONAL PYRAMAT® 75 HPTRM INSTALLATION NOTES AND DETAILS PROVIDED ON D1.3.

3 GEOTEXTILE LINED DITCH
D1.1 N.T.S.

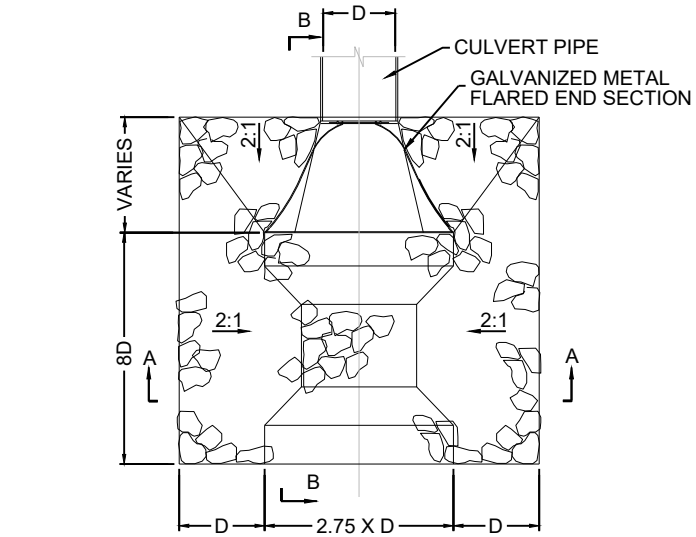


NOTES:
1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
2. BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE SSPWC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPWC AND DENSIFIED TO 90% RELATIVE COMPACTION.
3. BEDDING SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE SSPWC. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION.

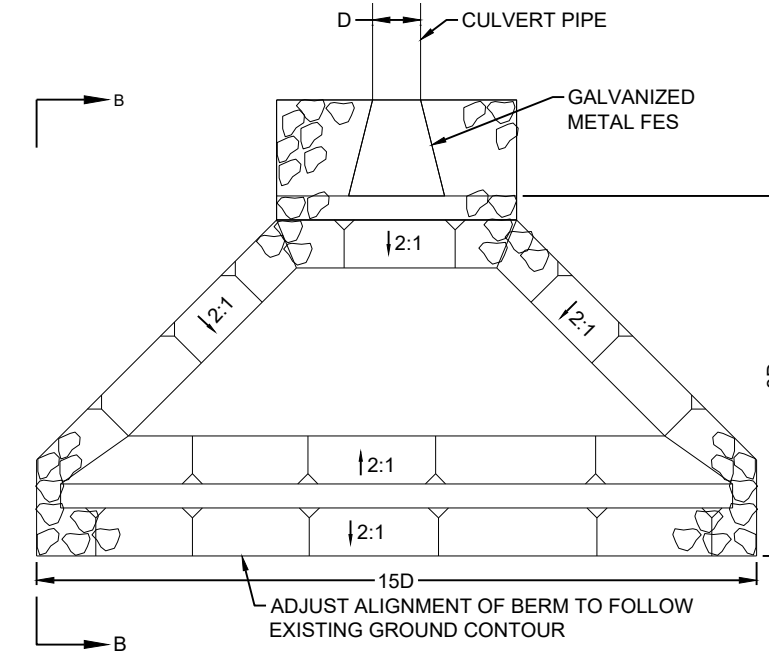
4 CULVERT TRENCH SECTION
D1.1 N.T.S.



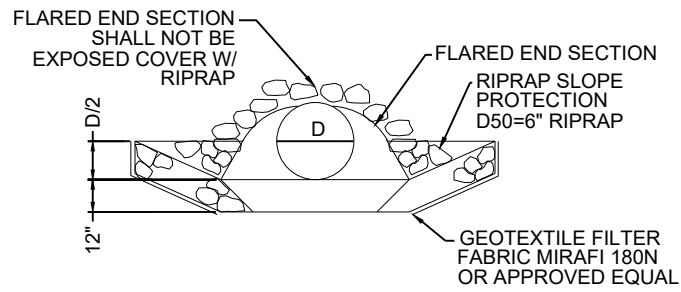
PLAN



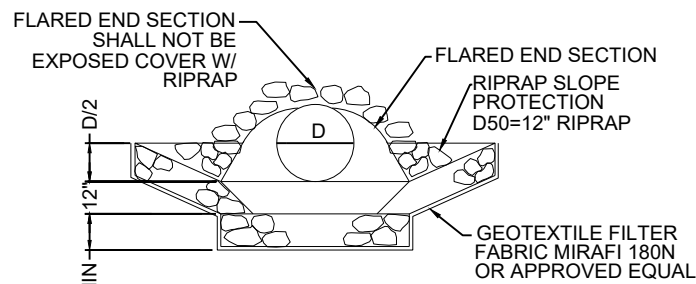
PLAN



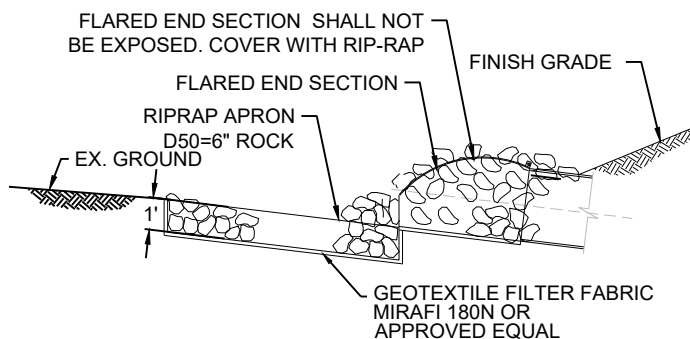
PLAN



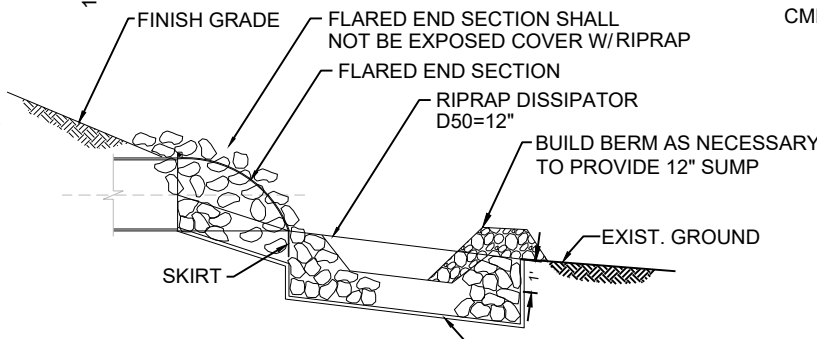
SECTION A-A



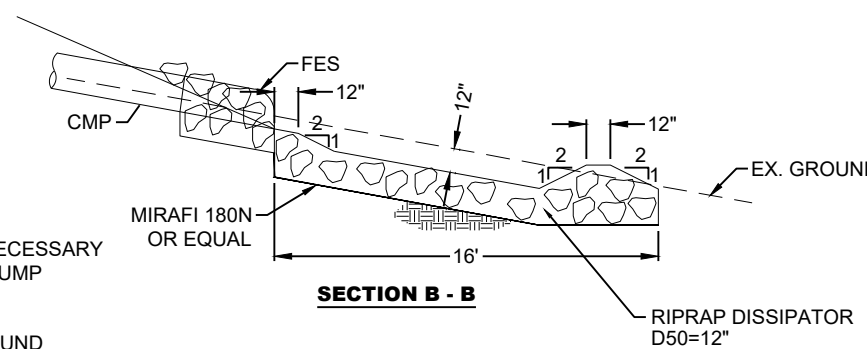
SECTION A-A



SECTION B-B



SECTION B-B



SECTION B - B

NOTE:
FLARED END SECTION INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

NOTE:
FLARED END SECTION INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

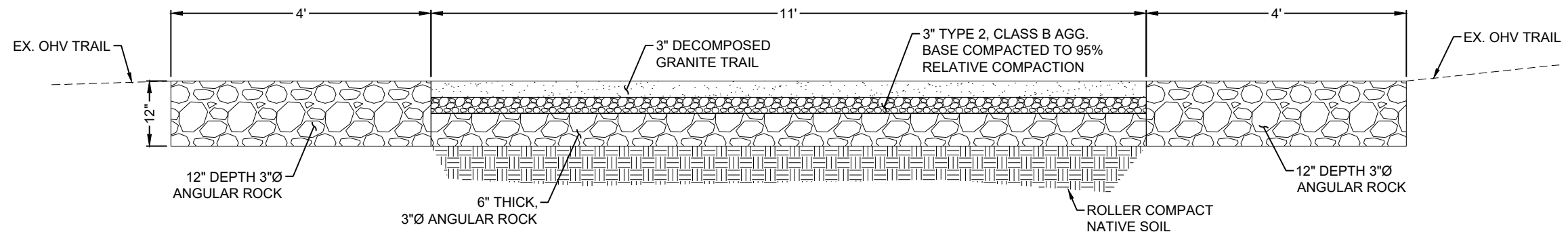
5 TYPICAL FLARED END SECTION WITH RIP-RAP ARPON
D1.1 N.T.S.

OUTLET TYPE 2

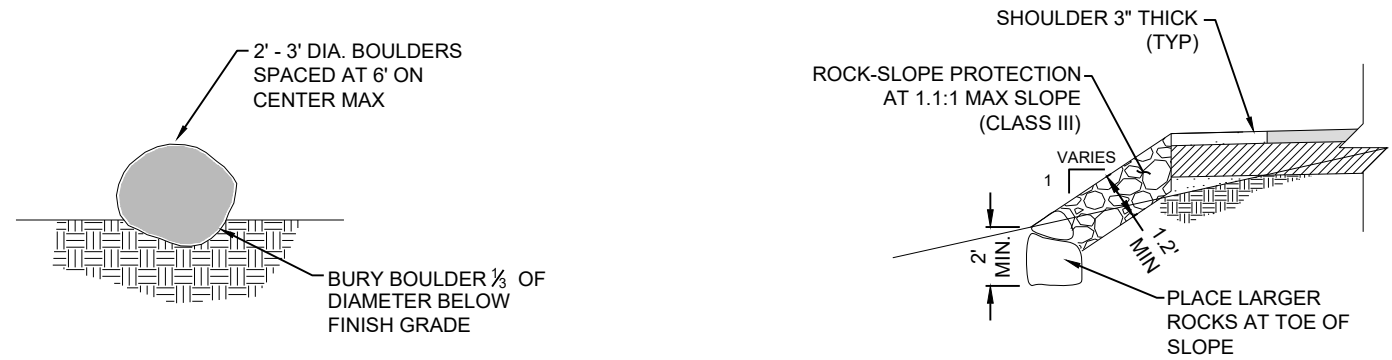
REV	DATE	DESCRIPTION

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JANUARY 19, 2024

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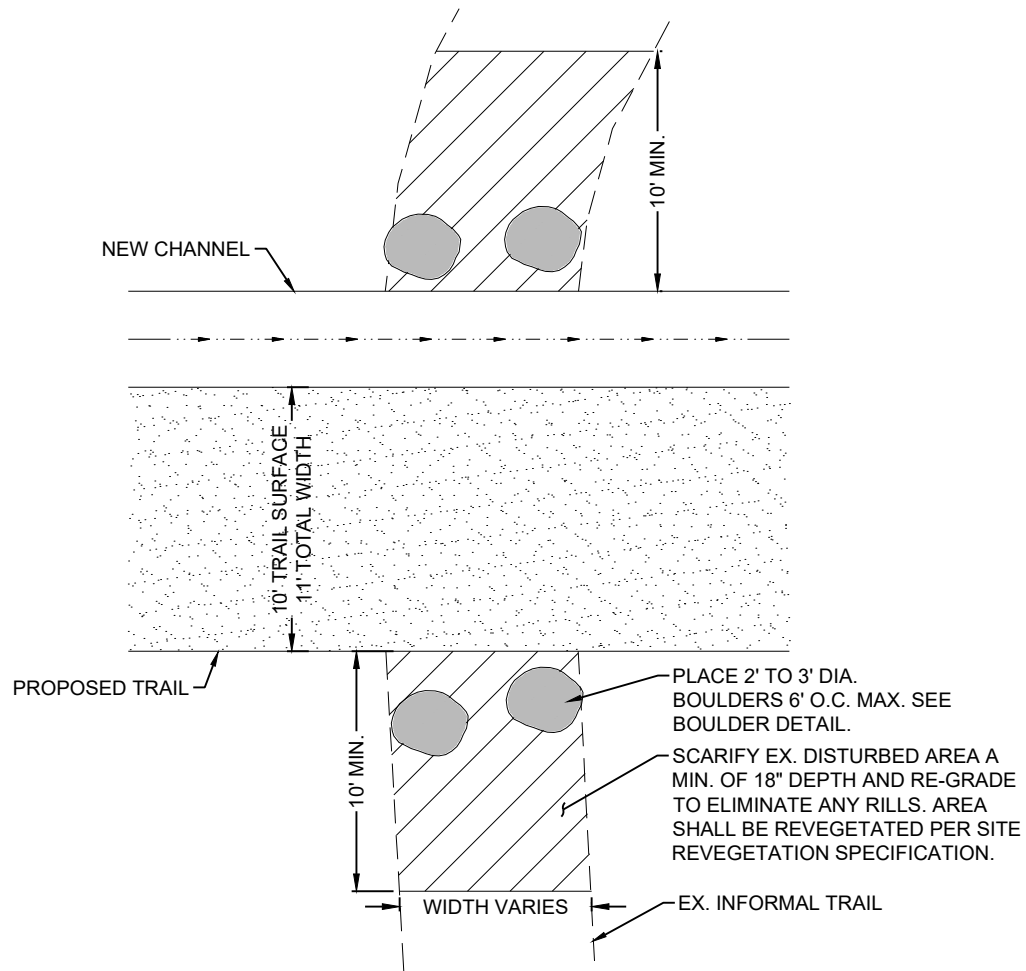


1 OHV TRAIL CROSSING
D1.2 N.T.S.

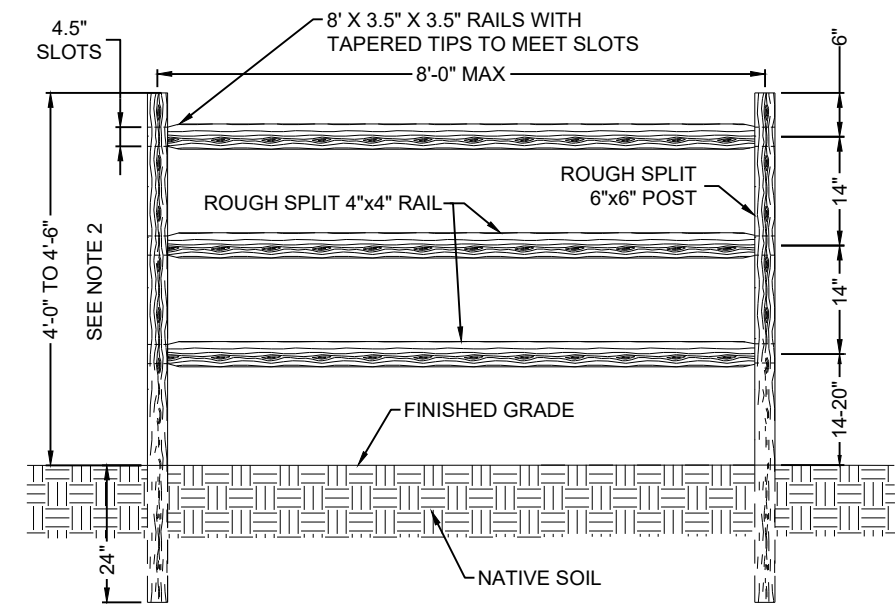


3 BOULDER BARRIER
D1.2 N.T.S.

4 ROCK SLOPE PROTECTION
D1.2 N.T.S.



2 CROSS TRAIL RESTORATION
D1.2 N.T.S.



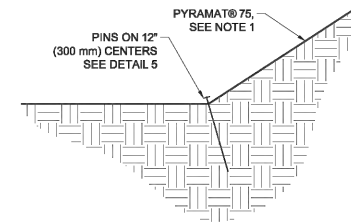
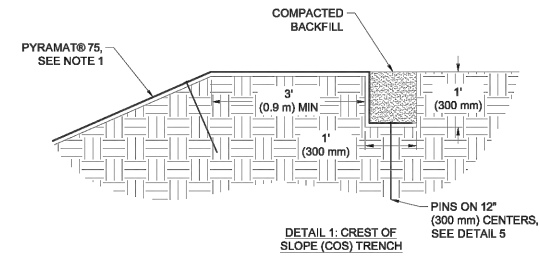
NOTES:

1. ALL WOOD FOR SPLIT RAIL FENCE TO BE UNTREATED WESTERN RED CEDAR OR APPROVED EQUAL.
2. WHERE 3-FT HIGH FENCE IS CALLED FOR ON THE PLANS, OMIT BOTTOM RAIL AND MAKE POST HEIGHT 3-FT ABOVE EX. GROUND.

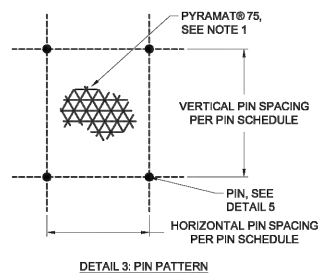
5 SPLIT RAIL FENCE
D1.2 N.T.S.

REV	DATE	DESCRIPTION

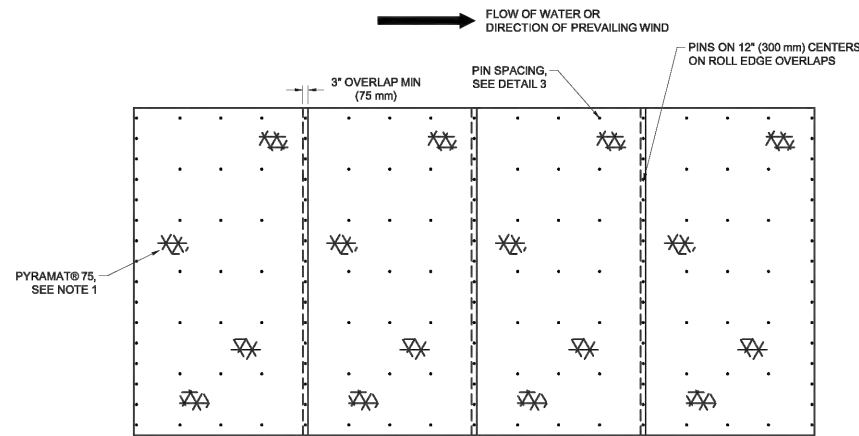
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01/19/2024 04:41 pm jpkhem



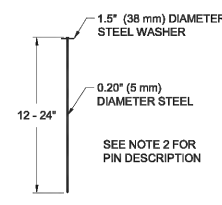
DETAIL 2: BREAK IN SLOPE INTERFACE



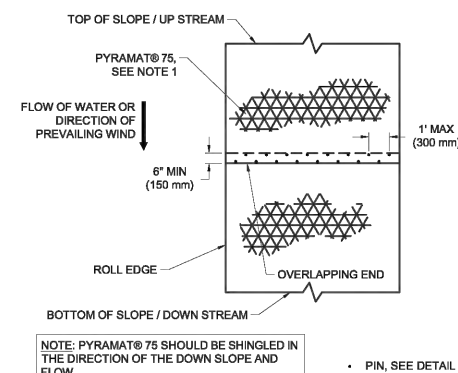
DETAIL 3: PIN PATTERN



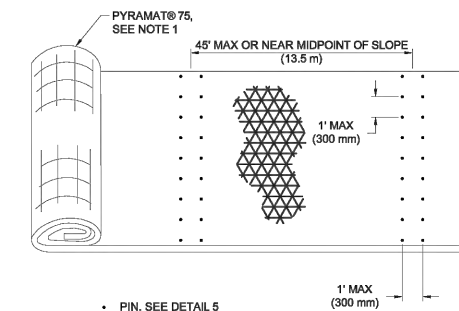
DETAIL 4: PIN PATTERN



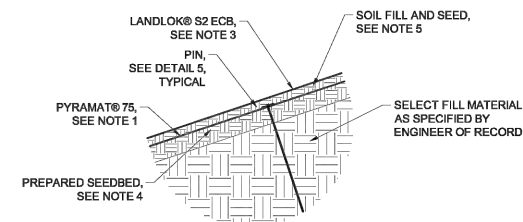
DETAIL 5: PIN



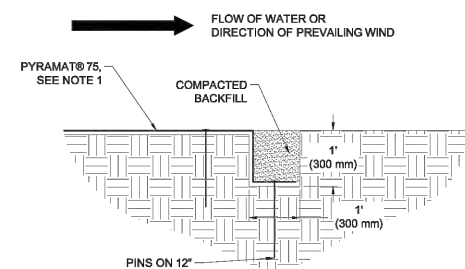
DETAIL 6: OVERLAP AT ROLL END DETAIL



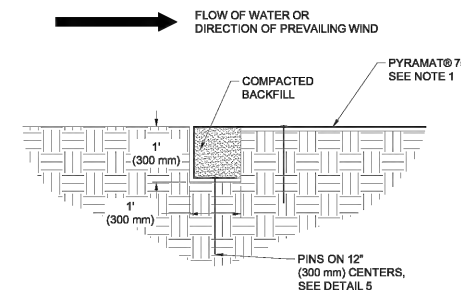
DETAIL 7: SIMULATED CHECK SLOT DETAIL



DETAIL 8: VEGETATION ESTABLISHMENT



DETAIL 9: INITIAL CHANNEL (IC) TRENCH (DOWNSTREAM)



DETAIL 10: TERMINAL CHANNEL (TC) TRENCH (UPSTREAM)

PIN SCHEDULE	
SECURING DEVICE	PIN
HORIZONTAL PIN SPACING	2' (0.60 m)
VERTICAL PIN SPACING	2.5' (0.75 m)
EMBEDMENT DEPTH	PER MANUFACTURES DESIGN

PYRAMAT® 75 HPTRM IN A CHANNEL FOR EROSION CONTROL GENERAL INSTALLATION GUIDELINES

GENERAL NOTES

1. PYRAMAT® 75 HPTRM is a three-dimensional, lofty, woven polypropylene geotextile that is available in green or tan which is specially designed for erosion control applications on steep slopes and vegetated waterways. The matrix is composed of polypropylene monofilament yarns featuring X3® technology woven into a uniform configuration of resilient pyramid-like projections. The material exhibits very high interlock and reinforcement capacity with both soil and root systems, demonstrates superior UV resistance, and enhances seedling emergence.
2. The 12", 18", and 24" Securing Pins are composed of a wire, mushroomed at the top. A washer is then placed on the wire and the wire is crimped or swaged about 3-1/2" below the top so the washer will not slide off. The end of the wire is cut at a 45 degree angle for easy penetration of the soil. These Pins with washers conform to industry standards for erosion control pins with washers.
3. LANDLOK® S2 Erosion Control Blankets consist of 100% wheat straw mechanically bound and covered on both sides by netting. The straw is homogeneously blended and evenly distributed throughout the blanket. The netting is photodegradable polypropylene with mesh openings of approximately 3/8 in. by 3/8 in. (11 mm by 11 mm). The blanket is sown on approximately 2 in. (51 mm) centers with photodegradable polypropylene thread. This product is NTPEP approved for AASHTO standards.

VEGETATION ESTABLISHMENT

4. Prepare seedbed by loosening 50 to 75 mm (2 to 3 in) of soil above final grade. Apply seed in an amount equivalent to 60% of the total mixture required to be installed on the soil surface, to scarified surface prior to installation of the PYRAMAT® 75 HPTRM. Select and apply soil amendments and fertilizer, to scarified surface prior to installation of the PYRAMAT® 75 HPTRM. A site specific soil test should be performed to help determine what soil amendments, such as lime and fertilizer, need to be incorporated into the soil to promote healthy vegetation.
5. The installed PYRAMAT® 75 HPTRM shall be soil filled and seeded with the remaining 40% of the seed mixture. Do not place excessive soil above material. Once soil fill and additional seed is in place, surficial protection should be accomplished by installing LANDLOK® S2 Erosion Control Blanket (ECB) atop the seed layer. LANDLOK® S2 ECB is to be secured using 6" U-shaped staples with a frequency of 2.0 staples per square meter (1.7 staples per square yard).
6. Irrigate as necessary to establish and maintain vegetation until 75% of vegetation has established and has reached a height of 2 inches. Frequent, light irrigation will need to be applied to seeded areas if natural rain events have not occurred within two weeks of seeding.

BEFORE INSTALLATION BEGINS

6. Coordinate with a Propex Representative: A pre-construction meeting is suggested with the construction team and a representative from Propex. This meeting should be scheduled by the contractor with at least a two week notice.
7. Gather the Tools Needed: Tools that you will need to install PYRAMAT® 75 HPTRM include a pair of industrial shears to cut PYRAMAT® 75 HPTRM and tape measure.
8. Determine how to Establish Vegetation: The method of vegetation establishment should be determined prior to the start of installation. Different vegetation establishment methods require different orders of installation. Refer to Establish Vegetation for further guidance.
9. Please consult the Propex Website for the most up to date installation guidelines.

EROSION CONTROL INSTALLATION DETAILS

Please note that the information presented herein is general information only. It is for conceptual use only and not intended to be used for construction. While every effort has been made to ensure its accuracy, this information should not be used for a specific application without independent professional examination and verification of its suitability, applicability, and accuracy. This engineering drawing is protected by the Copyright Act, 17 U.S.C. §101 et seq. and may be used ONLY with the express written permission of Propex in connection with Propex products. Any copying, distributing, and/or creation of a derivative work without permission of Propex is prohibited and is subject of actual damages, statutory damages and attorney's fees under the Copyright Act.

1 of 1	PYRAMAT®	HIGH PERFORMANCE TURF REINFORCEMENT MAT (HPTRM)
		PYRAMAT® 75 INSTALLATION DETAILS FOR CHANNELS
Date:	02/15/2017	Drawn By: J. HILL
Scale:	NTS	
*ALL DIMENSIONS ARE TO BE VERIFIED BY ENGINEER OF RECORD		



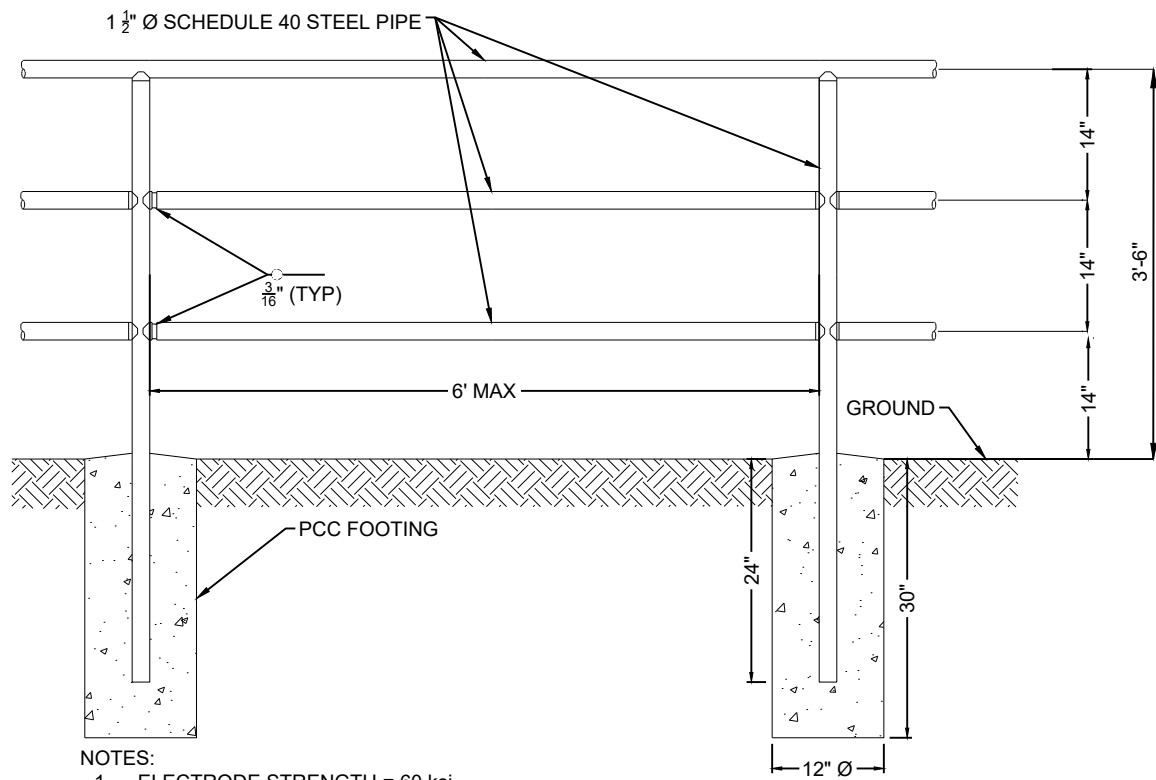
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REV	DATE	DESCRIPTION

90% SUBMITTAL
NOT FOR CONSTRUCTION
JANUARY 19, 2024

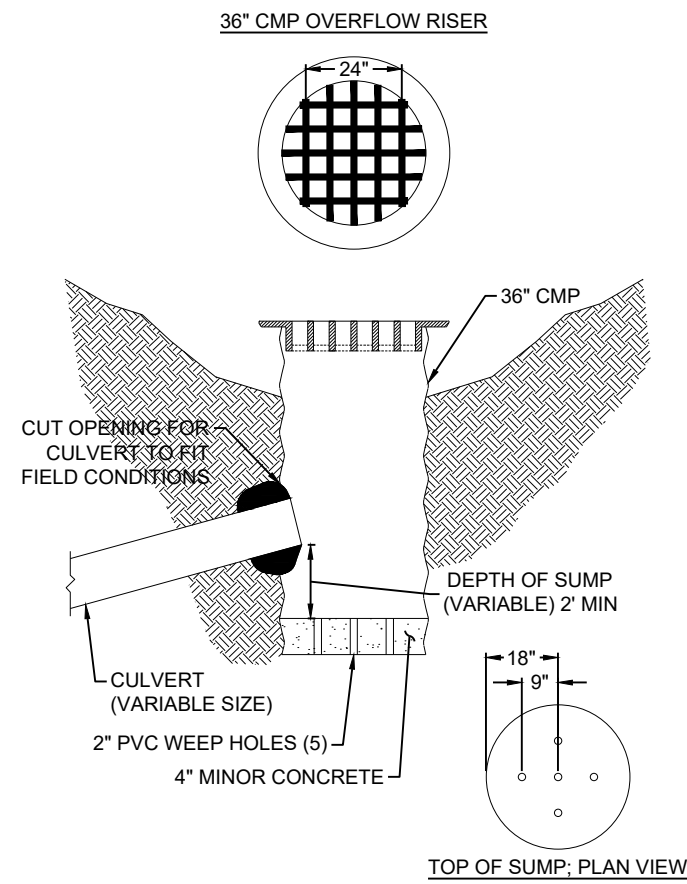
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DRAWN BY: JT/MP
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

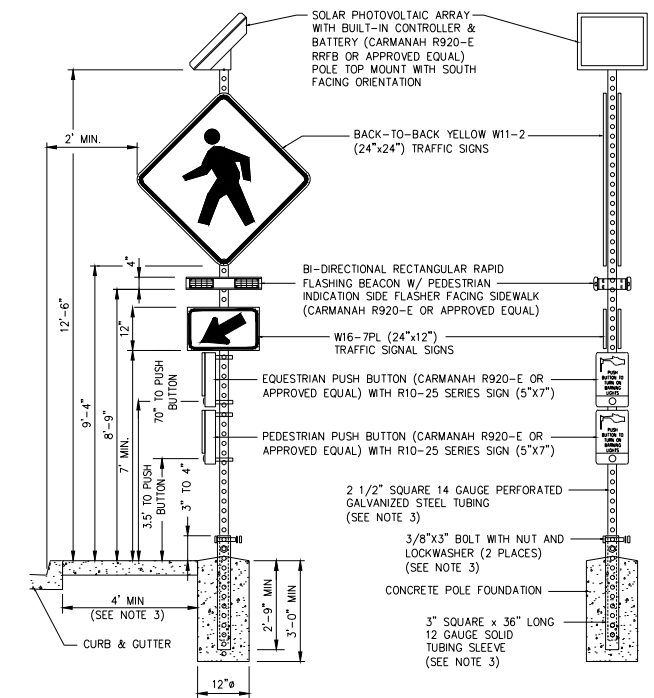


- NOTES:**
- ELECTRODE STRENGTH = 60 ksi
 - SAFETY RAILING MUST COMPLY WITH IBC 2009, SECTION 1013.
 - SEE SPECIAL PROVISIONS FOR COLOR TREATMENT.
 - VERTICAL POSTS TO BE EVENLY SPACED.
 - REMOVE ALL SHARP OBJECTS.
 - PIPE FITTINGS MAY BE USED IN LIEU OF WELDED JOINTS IF APPROVED BY THE ENGINEER.

1 PIPE RAILING
D1.4 N.T.S.

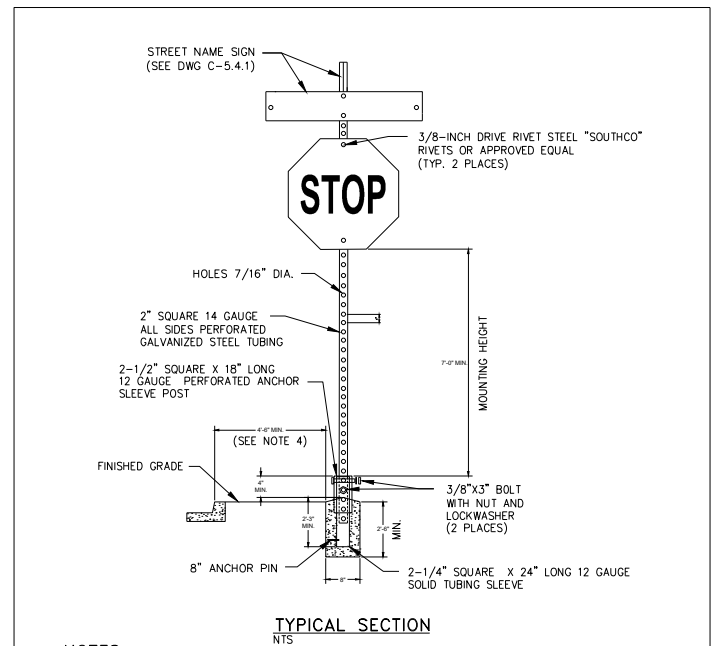


2 OVERFLOW RISER DRAIN INLET
D1.4 N.T.S.



- NOTES:**
- INSTALL PUSH BUTTON ON SIDE OF POLE FACING PEDESTRIAN RAMP.
 - CONCRETE BASE SHALL BE LOCATED AT THE BACK OF SIDEWALK, UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
 - ON STREETS WHERE CURBING DOES NOT EXIST A 4" DIAMETER, 80 GAUGE POLE WITH A SLIP/BREKAWAY BASE CONFORMING TO THE CURRENT NDOT STANDARD SHALL BE SET 6 FEET MINIMUM FROM PAVEMENT EDGE.
 - WARNING SIGNS SHALL HAVE BLACK LETTERING ON YELLOW BACKGROUND. FLUORESCENT YELLOW SHALL BE APPROVED FOR US ONLY IN SCHOOL ZONE AREAS. RRFB SHALL MEET ALL 2023 PROWAG REQUIREMENTS, INCLUDING AN AUDIBLE INFORMATION DEVICE (AID).

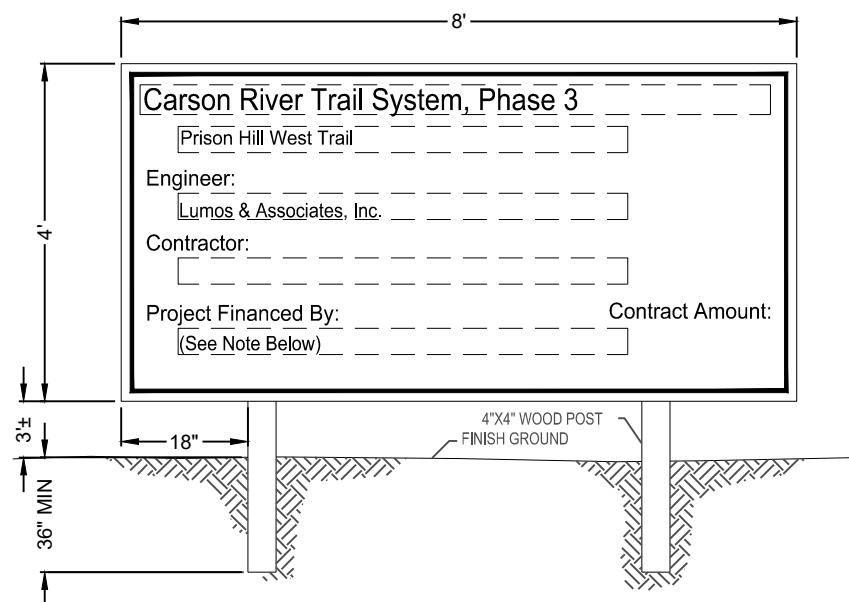
3 SOLAR R.R.F.B.
D1.4 N.T.S.



- NOTES:**
- SIGN MATERIALS, CONSTRUCTION AND PLACEMENT MUST BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - STREET NAME SIGN MUST BE AS SPECIFIED IN STANDARD DETAIL DRAWING NO. C-5.4.1
 - ON STREETS WHERE CURBING DOES NOT EXIST, SET SIGN 6 FEET MINIMUM FROM PAVEMENT EDGE.
 - CONCRETE BASE MUST BE LOCATED AT BACK OF SIDEWALK, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
 - ALL REGULATORY SIGNS MUST USE ASTM TYPE 3 OR 4 INTENSITY SHEETING.
 - ALL WARNING SIGNS MUST HAVE BLACK LETTERING ON YELLOW BACKGROUND UNLESS REQUIRED AND APPROVED FOR USE IN SCHOOL ZONE AREAS.

SIGN TABLE				
SIGN	DESIGNATION	SIZE	MOUNTING HEIGHT*	LOCATION
STOP	R1-1	18" x 18"	5' - 0"	TRAIL
STOP AHEAD	W3-1A	18" x 18"	5' - 0"	TRAIL
HANDICAPPED	D9-6	24" x 24"	5' - 0"	PARKING LOT
VAN ACCESSIBLE	D9-6P	18" x 9"	5' - 0"	PARKING LOT
ONE-WAY	R6-1	36" x 12"	5' - 0"	PARKING LOT
NO MOTOR VEHICLES	R5-3	24" x 24"	5' - 0"	TRAIL
KEEP RIGHT	R4-7A	24" x 30"	5' - 0"	PARKING LOT
HORSE TRAILER PARKING ONLY	CUSTOM SIGN. CONTRACTOR SHALL COORDINATE WITH OWNER			

*MOUNTING HEIGHT IS A MINIMUM HEIGHT AND MEASURED TO THE BOTTOM OF THE SIGN



NOTE:
"This project was funded due to the Southern Nevada Land Management Act, which authorized the sale of BLM-administered federal lands within a designated boundary in the Las Vegas Valley and required proceeds to be used on projects to fund federal, state and local projects that benefit communities and public lands."

5 CONSTRUCTION SIGN
D1.4 N.T.S.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	RENUMBER	3/22	TRAFFIC SIGN INSTALLATION	CARSON CITY

APPROVED BY: [Signature] 3/22



308 N. CURRY STREET, SUITE 200
CARSON CITY, NV 89703
TEL: 775.883.7077
WWW.LUMOSINC.COM
INFO@LUMOSINC.COM

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CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
DETAIL SHEET
NEVADA

REV	DATE	DESCRIPTION

90% SUBMITTAL
NOT FOR CONSTRUCTION
JANUARY 19, 2024

D1.4
DRAWN BY: JT/MP
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

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REV	DATE	DESCRIPTION

90% SUBMITTAL
NOT FOR CONSTRUCTION
JANUARY 19, 2024

D1.5
DRAWN BY: JT/MT
DESIGNED BY: CM/JT
CHECKED BY: CM/MG
JOB NO.: 1100.000

PLAN
NTS

NOTES:

- NOT FOR USE WITH OFFSET SIDEWALKS.
- RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
- SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 9/17

1
D1.5

1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY ENGINEERING DIVISION.

2. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARDS WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5% SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. A MINIMUM LANDING OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE. A MINIMUM OF 4 FEET CLEAR MAY BE USED UPON APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE.

5. WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.

6. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.

7. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.

8. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

9. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.

10. DETECTABLE WARNINGS SHALL BE:

EAST JORDAN IRON WORKS 7005/7006 SERIES CAST IRON DETECTABLE WARNING PLATES, TUFTILE ADA DETECTABLE WARNING PRODUCTS CAST IRON TILES OR APPROVED EQUAL.

INSTALLED PER MANUFACTURERS INSTALLATION GUIDELINES AND CONFORM TO ADAAG (4.29) "DETECTABLE WARNINGS". COLOR: ASPHALT DIPPED UNLESS OTHERWISE APPROVED BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. RADIAL DETECTABLE WARNINGS SHALL BE USED WHEN REQUIRED TO MAINTAIN MINIMUM CLEARANCE OF 3 INCHES AND MAXIMUM CLEARANCE OF 8 INCHES FROM DETECTABLE WARNINGS TO BACK FACE OF CURB. RADIAL DETECTABLE WARNINGS SHALL HAVE A RADIUS WITHIN 5 FEET OF BACK FACE OF CURB RADIUS. TUFTILE DETECTABLE WARNINGS SHALL HAVE A 1/8" GAP AROUND THE PERIMETER OF THE ENTIRE ASSEMBLY OF TILES CREATED WITH AN EDGING TROWEL DURING THE FINISHING OF THE CONCRETE TO ALLOW FOR TILE EXPANSION.

11. AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER.

12. CURBS AND CURB AND GUTTER SHALL BE POURED NON-MONOLITHICALLY FROM RAMPS AND LANDINGS.

13. LANDING CROSS SLOPES SHALL BE 1.5% MAXIMUM UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

2
D1.5

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 1/21

CURB RAMP GENERAL NOTES

PLAN
NTS

NOTES:

- ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, CURRENT EDITION.
- INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL TRAFFIC SIGNAL LOCATIONS AND AT OTHER LOCATIONS AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- STOP BARS OR YIELD LINES LOCATED AT A CROSSWALK THAT CROSSES AN UNCONTROLLED MULTI-LANE APPROACH OR AT A MID-BLOCK CROSSING SHALL BE PLACED 40 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE. PARKING SHALL BE PROHIBITED BETWEEN THE STOP BAR AND THE CROSSWALK.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 3/22

3
D1.5

PLAN
NTS

NOTES:

- ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, CURRENT EDITION.
- ALL PAINTED STRIPING AND PAVEMENT LEGENDS SHALL CONFORM TO CARSON CITY PUBLIC WORKS SPECIFICATIONS.
- ALL INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- YIELD LINE TO BE INSTALLED FROM EDGE OF LANE TO EDGE OF PAVEMENT OR LIP OF CURB.
- SEE STANDARD DETAIL C-5.4.2.1 FOR YIELD LINE PLACEMENT.

NOTE: TRIANGLE HEIGHT IS EQUAL TO 1.5 TIMES THE BASE DIMENSION.

DIRECTION OF TRAVEL

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 3/22

4
D1.5

TYPICAL PAVEMENT SECTION

- PARKING LOTS WILL BE CONSTRUCTED WITH A MINIMUM OF 2.5 INCHES OF A.C. SURFACE ON 6 INCHES OF TYPE 2 CLASS B AGGREGATE BASE (BOTH COMPACTED TO 95% MIN.)

WHEEL STOPS

- WHEEL STOPS WILL BE 2 FEET CLEAR (MIN.) FROM PROPERTY LINES, BUILDINGS, FENCES, OR APPURTENANCES.
- WHEEL STOP WILL BE SECURED WITH 0.5 INCH REBAR DRIVEN 12 INCHES (MIN.) INTO SURFACE OR WITH AN APPROVED EPOXY HAVING A SETTING TIME OF 4-HOUR (MAX.) AT 77 DEGREES FAHRENHEIT.
- WHEEL STOPS WILL BE WHITE OR SAFETY YELLOW WITH 0.25 CANDLE POWER REFLECTIVITY.
- WHEEL STOP DIMENSIONS WILL BE 4 INCHES TO 7 INCHES HIGH X 4 FEET (MIN.) LONG X 6 INCHES (MIN.) WIDE. WHEEL STOP LOCATION SHALL SECURE VEHICLE TIRES.
- MINIMUM WALL THICKNESS FOR METAL STOPS WILL BE 0.25 INCHES, FOR POLYETHYLENE OR FIBERGLASS WHEEL STOPS - 0.75 INCHES.
- WOOD WHEEL STOPS WILL BE REDWOOD #2 OR BETTER.
- CONCRETE WHEEL STOPS WILL HAVE A MINIMUM TENSILE STRENGTH OF 2000 P.S.I. (ASTM D-746).
- IMPACT BRITTLE TEMPERATURE SHALL BE -75 DEGREES CELSIUS. (ASTM D-746).
- ELONGATION SHALL BE LIMITED TO 35 PERCENT AT 73 DEGREES FAHRENHEIT (ASTM D638).

STRIPING

- PARKING LOT STRIPING SHALL BE WHITE WITH A MINIMUM WIDTH OF 4 INCHES. PAINT SHALL BE SPECIFIED "TRAFFIC STRIPING PAINT" OR HAVE MANUFACTURER'S CERTIFICATION OF SUITABLE APPLICATION ON ASPHALTIC OR CONCRETE SURFACES.

LIGHTING

- APPLICATION LEVEL WILL BE 1.0 FOOT CANDLES (MIN.) WITH A UNIFORMITY RATIO (AVERAGE ILLUMINATION) NOT EXCEEDING 6:1 AND AS APPROVED BY THE PUBLIC WORKS DEPARTMENT DEPENDING ON PEDESTRIAN VOLUMES.
- LIGHT FIXTURES SHALL BE FULL CUT-OFF FIXTURES AS DEFINED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- LIGHT POLES SHALL BE LOCATED TO ELIMINATE INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC (AT THE END OF PARKING ROWS WHEN PRACTICAL) AND AS APPROVED BY THE PUBLIC WORKS DEPARTMENT. POLES SHALL NOT BE LOCATED NEXT TO TREES.
- MOUNTING POLES WILL COMPLY WITH THE SAME SPECIFICATIONS PRESCRIBED FOR URBAN COLLECTOR STREET USE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 1/21

5
D1.5

ACCESSIBLE PARKING SPACES

- ACCESSIBLE PARKING SPACES ARE REQUIRED FOR EACH PARKING FACILITY ON A SITE, SUCH AS LOTS AND GARAGES. REQUIREMENTS APPLY EQUALLY TO PUBLIC AND EMPLOYEE OR RESTRICTED PARKING.
- ACCESSIBLE SPACES ARE REQUIRED WHERE PARKING FACILITIES ARE ALTERED OR ADDED. THE TERM "ALTERATIONS" INCLUDES RESURFACING OF VEHICULAR WAYS, RESURFACING OR RESEALING AND PROJECTS THAT ADD NEW PARKING SPACES CONSTITUTE ALTERATIONS AND MUST INCLUDE ACCESSIBLE SPACES. NORMAL MAINTENANCE, SUCH AS POT HOLE REPAIR, SURFACE PATCHING, OR REPAINTING IN PLACE EXISTING STRIPING, IS NOT CONSIDERED AN ALTERATION.
- WHERE PARKING SERVES MULTIPLE ENTRANCES TO A FACILITY, ACCESSIBLE SPACES MUST BE DISPERSED AMONG ACCESSIBLE ENTRANCES. ACCESSIBLE PARKING SPACES MUST BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE, RELATIVE TO OTHER SPACES IN THE SAME PARKING FACILITY.
- STANDARD ACCESSIBLE PARKING SPACES SHALL HAVE A MINIMUM WIDTH OF 96 INCHES WITH AN ACCESS AISLE LOCATED ADJACENT THERETO. BOUNDARIES SHALL BE MEASURED FROM CENTER OF STRIPE, PARKING SPACES AND ACCESS AISLES SHALL MEET THE REQUIREMENTS FOR ACCESSIBLE ROUTES IN THE A.D.A. STANDARDS FOR ACCESSIBLE DESIGN (2010 EDITION).
- ACCESS ISLES SHALL HAVE A 60 INCH MINIMUM WIDTH AND RUN THE FULL LENGTH OF THE ADJACENT ACCESSIBLE PARKING SPACE. ACCESS ISLES SHALL HAVE A SLOPE OF LESS THAN 1:48. AND MUST CONNECT DIRECTLY TO ACCESSIBLE ROUTES. NO ELEMENTS, INCLUDING CURB RAMPS, BOLLARDS, COLUMNS, OR POLES, CAN ENCRDACH INTO THE DEFINED AREA OF ACCESS AISLES.
- AT LEAST ONE SPACE FOR EVERY 6 ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE. VAN SPACES PROVIDE AN ADDITIONAL 3 FEET OF WIDTH TO ACCOMMODATE VEHICLES EQUIPPED WITH RAMPS OR LIFTS. THIS EXTRA SPACE CAN BE ADDED TO EITHER THE PARKING SPACE OR TO THE ACCESS AISLE. TWO PERPENDICULAR PARKING SPACES CAN SHARE ONE ACCESS AISLE.
- ACCESSIBLE SPACES MUST BE IDENTIFIED BY SIGNS (12 INCH BY 18 INCH GREEN ON WHITE) WITH THE BLUE INTERNATIONAL SYMBOL OF ACCESSIBILITY. ADDITIONAL SIGNS IDENTIFYING VAN SPACES (12 INCH BY 6 INCH-GREEN ON WHITE) MUST INCLUDE THE TERM "VAN ACCESSIBLE". THIS DESIGNATION IS INFORMATIVE AND DOES NOT RESTRICT USE OF SUCH SPACES TO VAN USERS ONLY. SIGNS MUST BE AT LEAST 60 INCHES HIGH MEASURED TO THE BOTTOM EDGE SO THAT THEY ARE VISIBLE WHILE VEHICLES ARE PARKED IN A SPACE. SIGNS CAN BE ON POSTS, OR WHERE FEASIBLE, ON WALLS OR SUSPENDED FROM CEILINGS (80 INCHES MINIMUM HEADROOM CLEARANCE IS REQUIRED AT SIGNS SUSPENDED ABOVE CIRCULATION PATHS). ISA DESIGNATIONS ON THE PARKING SURFACE, CANNOT SUBSTITUTE FOR ABOVE-GROUND SIGNS THAT REMAIN VISIBLE AT ALL TIMES. IF A TOTAL OF 4 OR FEWER PARKING SPACES (INACCESSIBLE AND ACCESSIBLE) IS PROVIDED ON A SITE, THE REQUIRED ACCESSIBLE SPACE DOES NOT HAVE TO BE IDENTIFIED BY A SIGN. AT RESIDENTIAL FACILITIES, IDENTIFICATION OF ACCESSIBLE SPACES IS NOT REQUIRED WHERE SPACES ARE ASSIGNED TO SPECIFIC DWELLING UNITS.

6
D1.5

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 1/21

PARKING LOT GENERAL NOTES

DIMENSION	ITEM	SYMBOL	PARKING ANGLE			
			45°	60°	75°	90°
TWO-WAY (ONE-WAY TRAFFIC)	STALL WIDTH, PARALLEL	A	12.7	10.4	9.3	9.0
	STALL LENGTH, OF LINE	B	25.0	22.0	20.0	18.5
	STALL DEPTH TO WALL	C	17.5	19.0	19.5	18.5
	STALL DEPTH TO INTERLOCK	D	15.3	17.5	18.8	18.5
TWO-WAY (TWO-WAY TRAFFIC)	ISLE WIDTH BETWEEN STALLS	E	12.0	16.0	23.0	26.0
	MODULE, WALL TO INTERLOCK	F	44.8	52.5	61.3	63.0
	MODULE, INTERLOCKING	G	42.6	51.0	61.0	63.0
	MODULE, CURB TO INTERLOCK	H	42.8	50.2	58.8	60.5
TWO-WAY (TWO-WAY TRAFFIC)	ISLE WIDTH BETWEEN STALLS	E	20.0	20.0	23.0	26.0
	MODULE, WALL TO INTERLOCK	F	52.8	56.5	61.3	63.0
	MODULE, INTERLOCKING	G	50.6	55.0	61.0	63.0
	MODULE, CURB TO INTERLOCK	H	50.8	54.2	58.8	60.5
TWO-WAY (TWO-WAY TRAFFIC)	BUMPER OVERHANG (TYPICAL)	I	2.0	2.3	2.5	2.5
	OFFSET	J	6.3*	2.7	0.5	0.0
	SETBACK	K	11.0	8.3	5.0	0.0
	CROSS-AISLE, ONE WAY	L	14.0*	14.0	14.0	14.0
TWO-WAY (TWO-WAY TRAFFIC)	CROSS AISLE, TWO WAY	L	24.0*	24.0	24.0	24.0

NOTES:

- PARKING LOTS OF MORE THAN 20 SPACES MAY DESIGNATE UP TO 15% OF THE TOTAL REQUIRED OFF-STREET PARKING AS COMPACT CAR SPACES, EACH HAVING A MINIMUM LENGTH OF 16 FEET AND MINIMUM WIDTH OF 8 FEET AND CLEARLY MARKED "COMPACT PARKING ONLY".
- PARALLEL PARKING STALLS SHALL BE 9 FEET WIDE x 22 FEET LONG (MINIMUM).
- MINIMUM - ANY PARKING CONFIGURATION (0-45 DEGREES).

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 3/22

7
D1.5

TYPICAL PAVEMENT SECTION

- PARKING LOTS WILL BE CONSTRUCTED WITH A MINIMUM OF 2.5 INCHES OF A.C. SURFACE ON 6 INCHES OF TYPE 2 CLASS B AGGREGATE BASE (BOTH COMPACTED TO 95% MIN.)

WHEEL STOPS

- WHEEL STOPS WILL BE 2 FEET (MIN.) FROM PROPERTY LINE OR APPURTENANCES.
- WHEEL STOP WILL BE SECURED WITH 0.5 INCH REBAR DRIVEN 12 INCHES (MIN.) INTO SURFACE OR WITH AN APPROVED EPOXY HAVING A SETTING TIME OF 4-HOUR (MAX.) AT 77 DEGREES FAHRENHEIT.
- WHEEL STOPS WILL BE WHITE OR SAFETY YELLOW WITH 0.25 CANDLE POWER REFLECTIVITY.
- WHEEL STOP DIMENSIONS WILL BE 4 INCHES TO 7 INCHES HIGH X 4 FEET (MIN.) LONG X 6 INCHES (MIN.) WIDE. WHEEL STOP LOCATION SHALL SECURE VEHICLE TIRES.
- MINIMUM WALL THICKNESS FOR METAL STOPS WILL BE 0.25 INCHES, FOR POLYETHYLENE OR FIBERGLASS WHEEL STOPS - 0.75 INCHES.
- WOOD WHEEL STOPS WILL BE REDWOOD #2 OR BETTER.
- CONCRETE WHEEL STOPS WILL HAVE A MINIMUM TENSILE STRENGTH OF 2000 P.S.I. (ASTM D-746).
- IMPACT BRITTLE TEMPERATURE SHALL BE -75 DEGREES CELSIUS. (ASTM D-746).
- ELONGATION SHALL BE LIMITED TO 35 PERCENT AT 73 DEGREES FAHRENHEIT (ASTM D638).

STRIPING

- PARKING LOT STRIPING SHALL BE WHITE WITH A MINIMUM WIDTH OF 4 INCHES. PAINT SHALL BE SPECIFIED "TRAFFIC STRIPING PAINT" OR HAVE MANUFACTURER'S CERTIFICATION OF SUITABLE APPLICATION ON ASPHALTIC OR CONCRETE SURFACES.

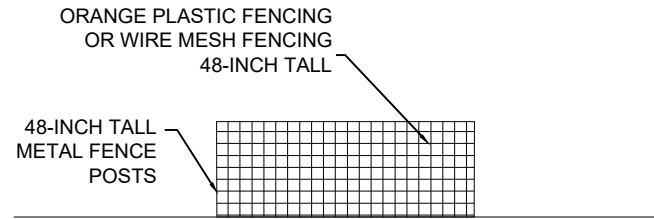
LIGHTING

- APPLICATION LEVEL WILL BE 1.0 FOOT CANDLES (MIN.) WITH A UNIFORMITY RATIO (AVERAGE ILLUMINATION) NOT EXCEEDING 6:1 AND AS APPROVED BY THE PUBLIC WORKS DEPARTMENT DEPENDING ON PEDESTRIAN VOLUMES.
- LIGHT FIXTURES SHALL BE FULL CUT-OFF FIXTURES AS DEFINED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- LIGHT POLES SHALL BE LOCATED TO ELIMINATE INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC (AT THE END OF PARKING ROWS WHEN PRACTICAL) AND AS APPROVED BY THE PUBLIC WORKS DEPARTMENT. POLES SHALL NOT BE LOCATED NEXT TO TREES.
- MOUNTING POLES WILL COMPLY WITH THE SAME SPECIFICATIONS PRESCRIBED FOR URBAN COLLECTOR STREET USE.

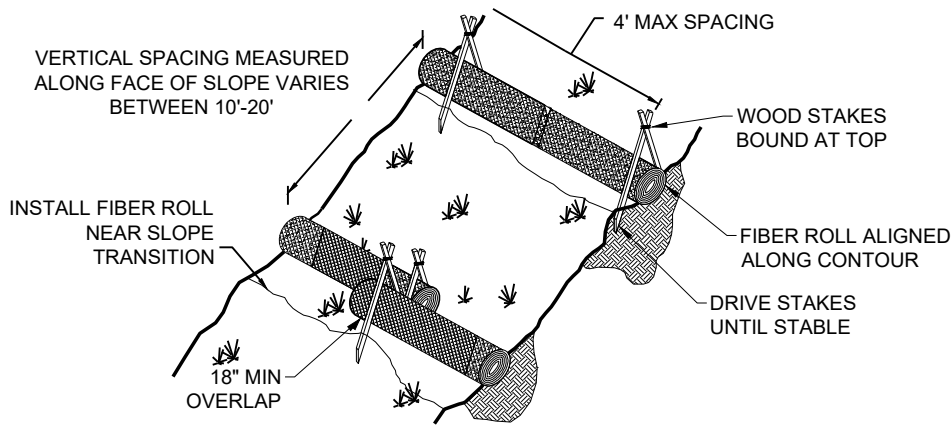
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

APPROVED BY: [Signature] 3/22

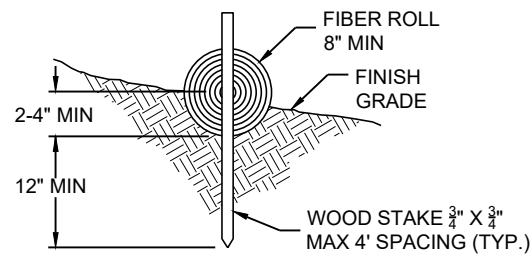
8
D1.5



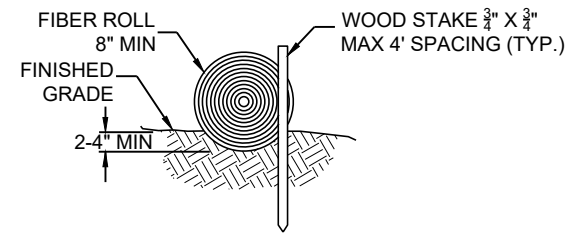
1 PROJECT PERIMETER FENCING
D1.6 N.T.S.



TYPICAL FIBER ROLL INSTALLATION

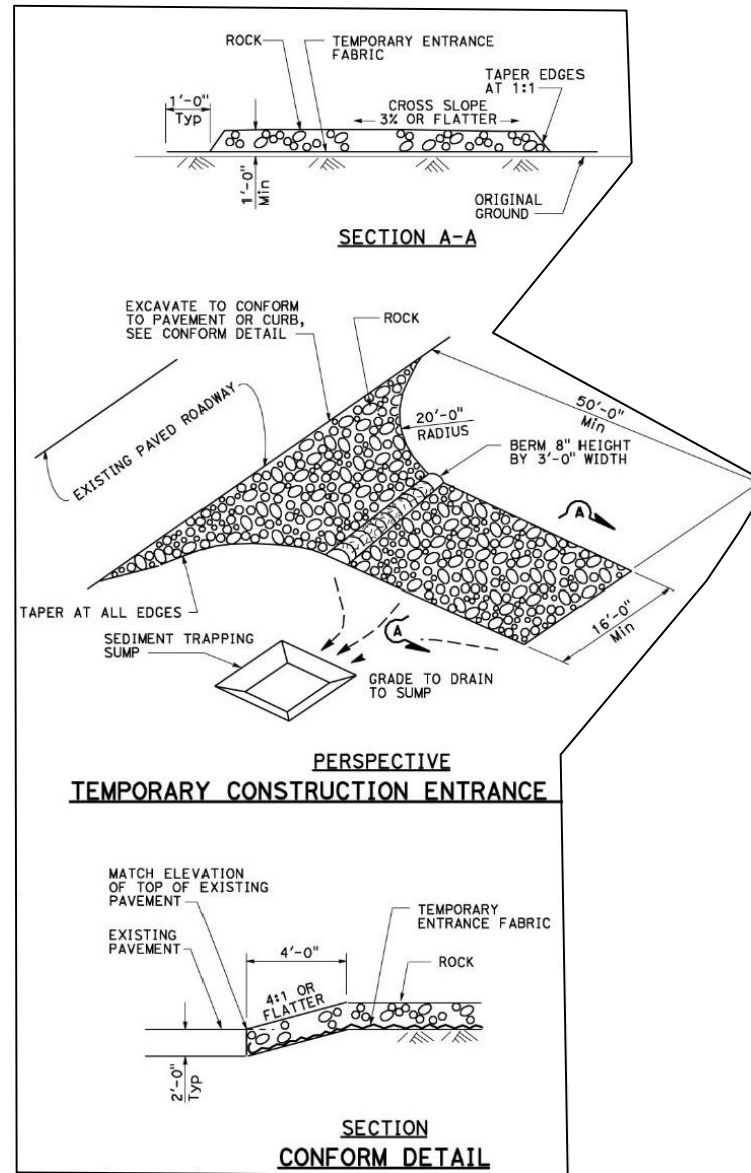


ENTRENCHMENT DETAIL IN SLOPE AREA



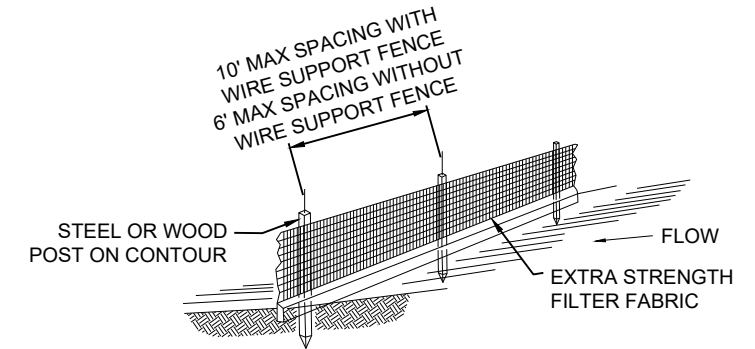
ENTRENCHMENT DETAIL IN FLAT AREA

2 FIBER ROLLS INSTALLATION
D1.6 N.T.S.

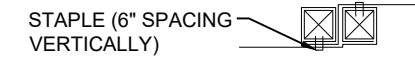


NOTE:
CONSTRUCTION ENTRANCE TO BE REMOVED AND AREA STABILIZED AND REVEGETATED AT THE COMPLETION OF CONSTRUCTION.

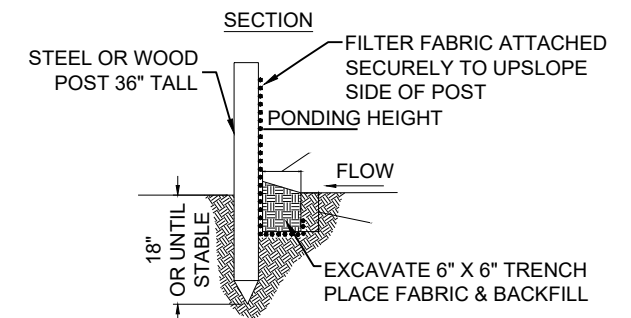
3 STABILIZED CONSTRUCTION ENTRANCE
D1.6 N.T.S.



JOINING DETAIL (TOP VIEW)



END STAKE DETAIL (TOP VIEW)



NOTES:

- USE PRINCIPALLY IN AREAS WHERE SHEET FLOW OCCURS.
- DO NOT USE IN STREAMS, CHANNELS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE SILT FENCES TO DIVERT FLOW.
- DO NOT USE BELOW SLOPES SUBJECT TO CREEP, SLUMPING, OR LANDSLIDES.
- SILT FENCE SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 36 INCHES AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
- INSTALL ALONG A LEVEL CONTOUR, SO WATER DOES NOT POND MORE THAN 1.5 FT AT ANY POINT ALONG THE SILT FENCE.
- THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHOULD BE 100 FT OR LESS.
- THE MAXIMUM SLOPE PERPENDICULAR TO THE FENCE LINE SHOULD BE 1:1.
- PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE SILT FENCE AND TO ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOES OF SLOPES OR OTHER OBSTRUCTIONS.
- TURN THE ENDS OF THE FILTER FENCE UPHILL TO CREATE A "J" SHAPE, TO PREVENT STORM WATER FROM FLOWING AROUND THE FENCE.
- LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWN SLOPE FROM THE FENCE WHERE FEASIBLE.
- REMOVE SILT FENCE WHEN CONSTRUCTION IS COMPLETED.
- REMOVE SEDIMENT WHEN DEPOSITS REACH APPROXIMATELY 1/3 HEIGHT OF BARRIER.

4 SILT FENCE INSTALLATION
D1.6 N.T.S.

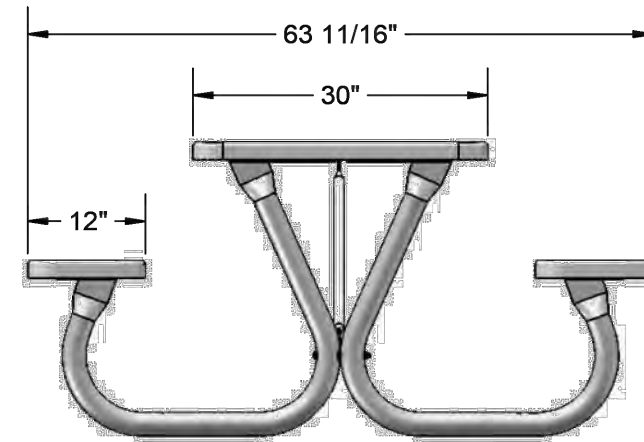
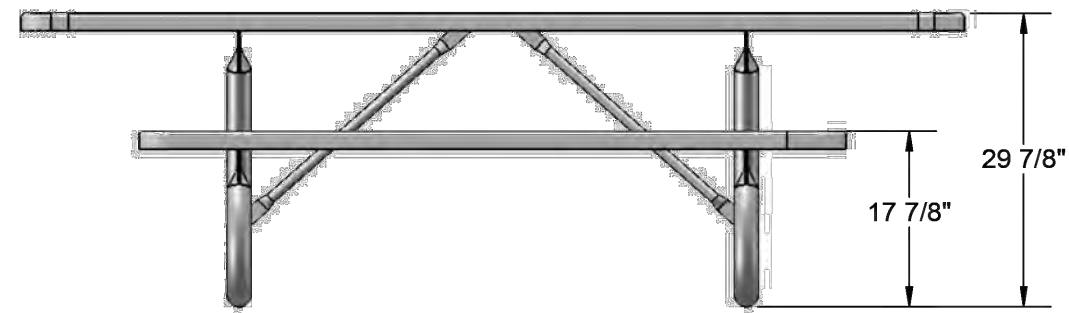
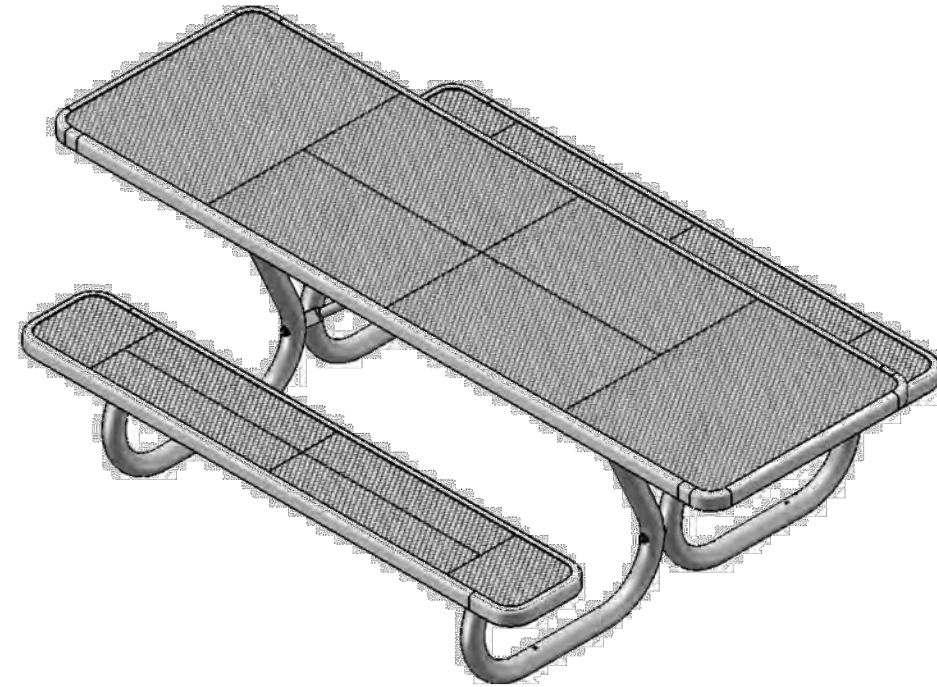
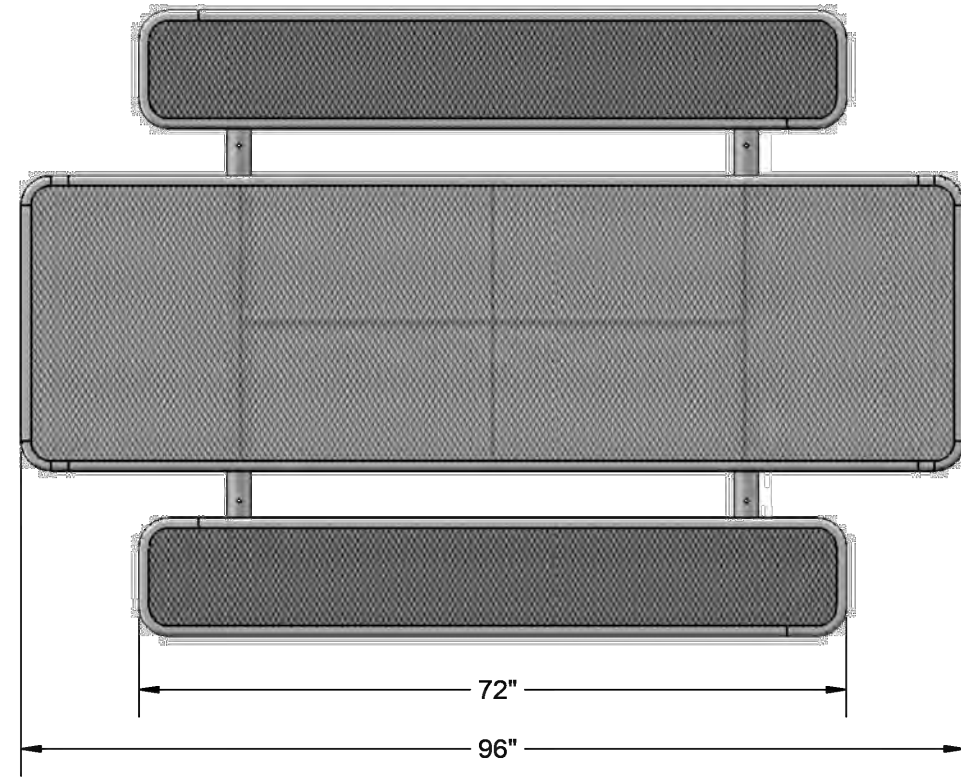
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OVERALL DIMENSIONS



800-45-ULTRA

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 CARSON RIVER TRAIL SYSTEM - PHASE 3
 PRISON HILL WEST
 DETAIL SHEET

NEVADA

CARSON CITY

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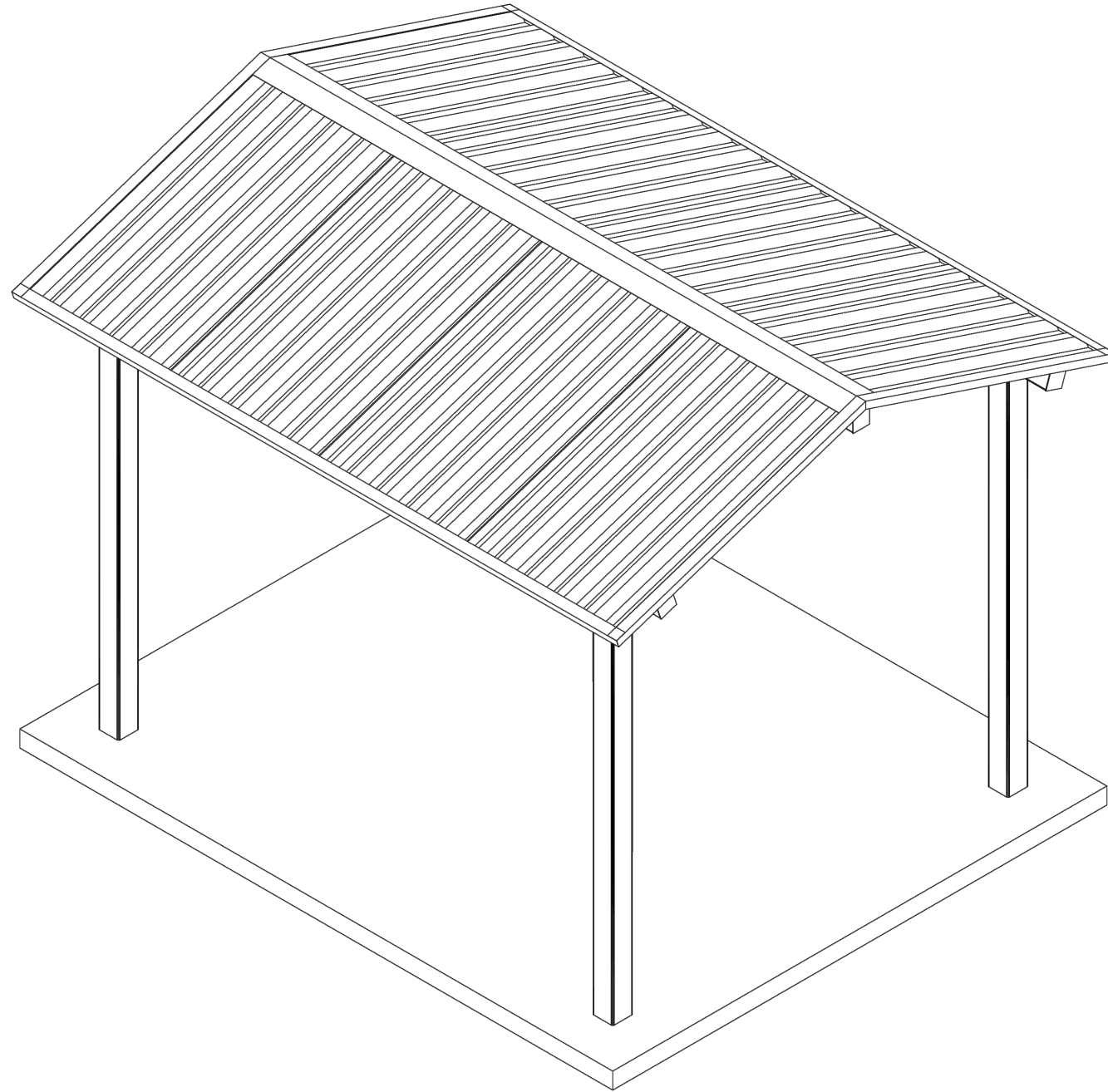
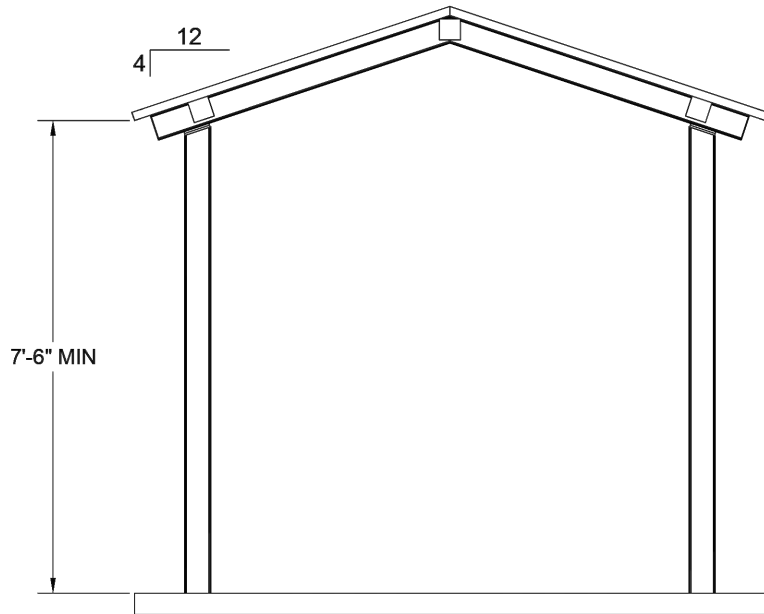
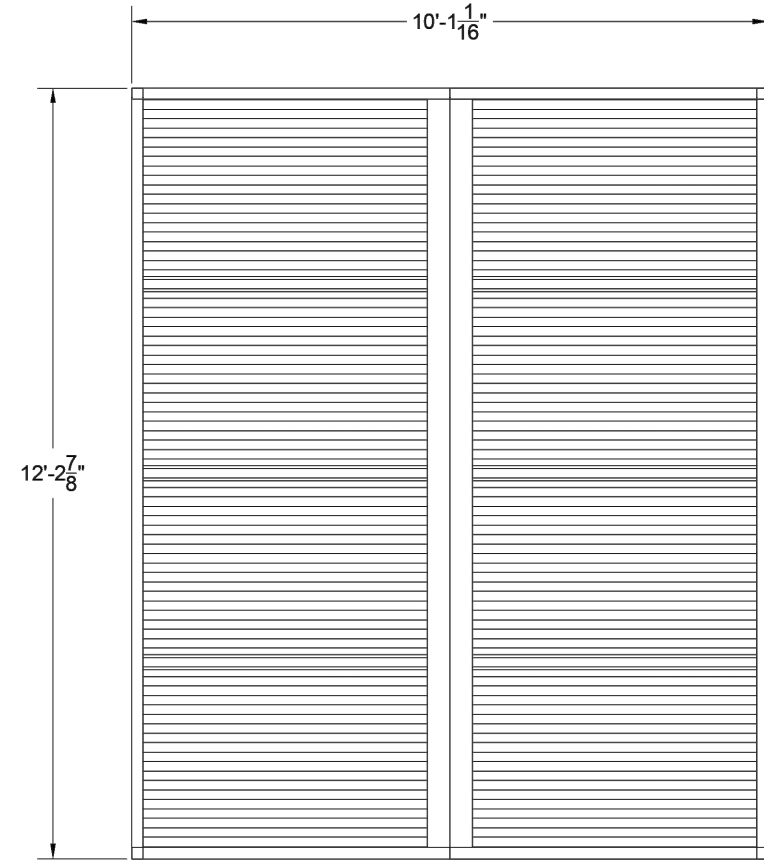
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1 **PICNIC BENCH**
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REV 2:

REV 3:

REV 4:

REV 5:

CAD NO.:

EEC JOB NO.:

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CARSON CITY
CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
DETAIL SHEET

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CARSON CITY

REV	DATE	DESCRIPTION

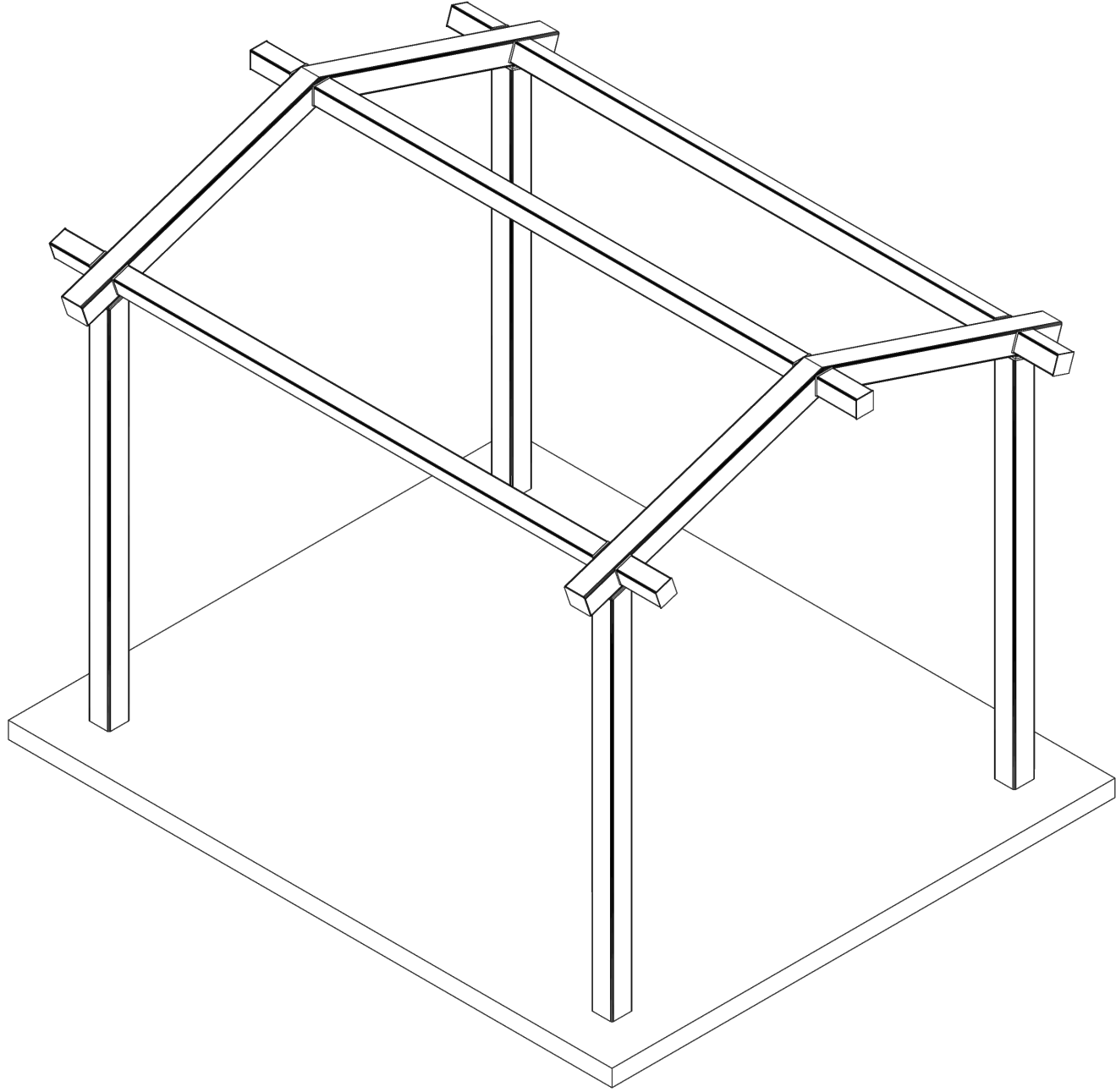
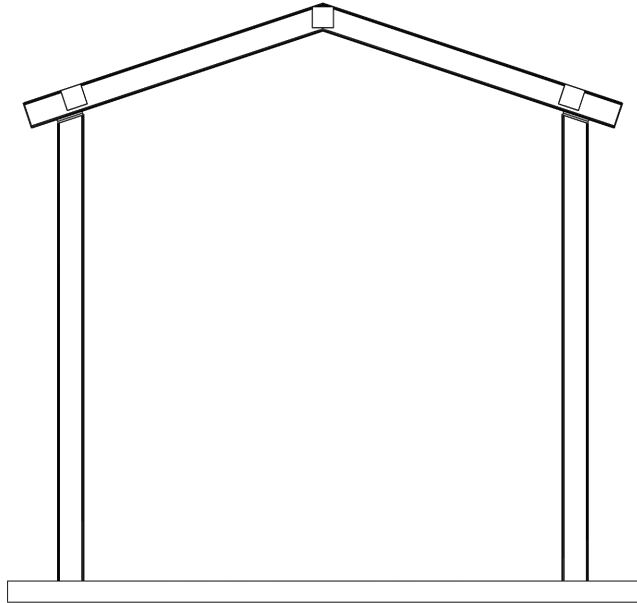
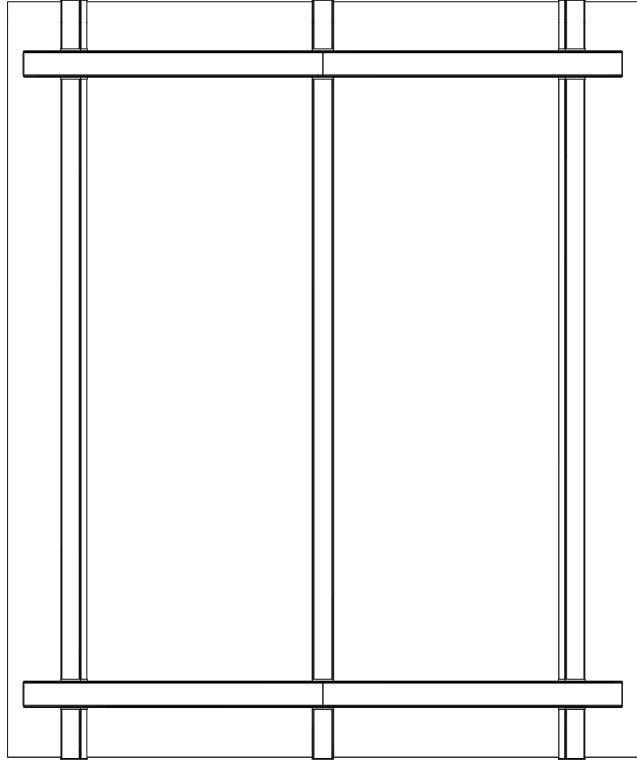
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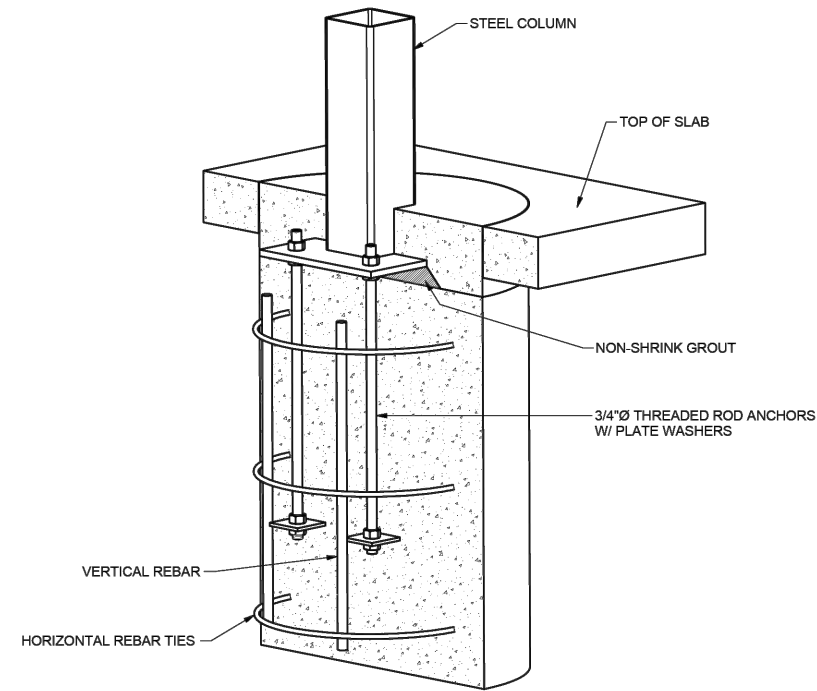
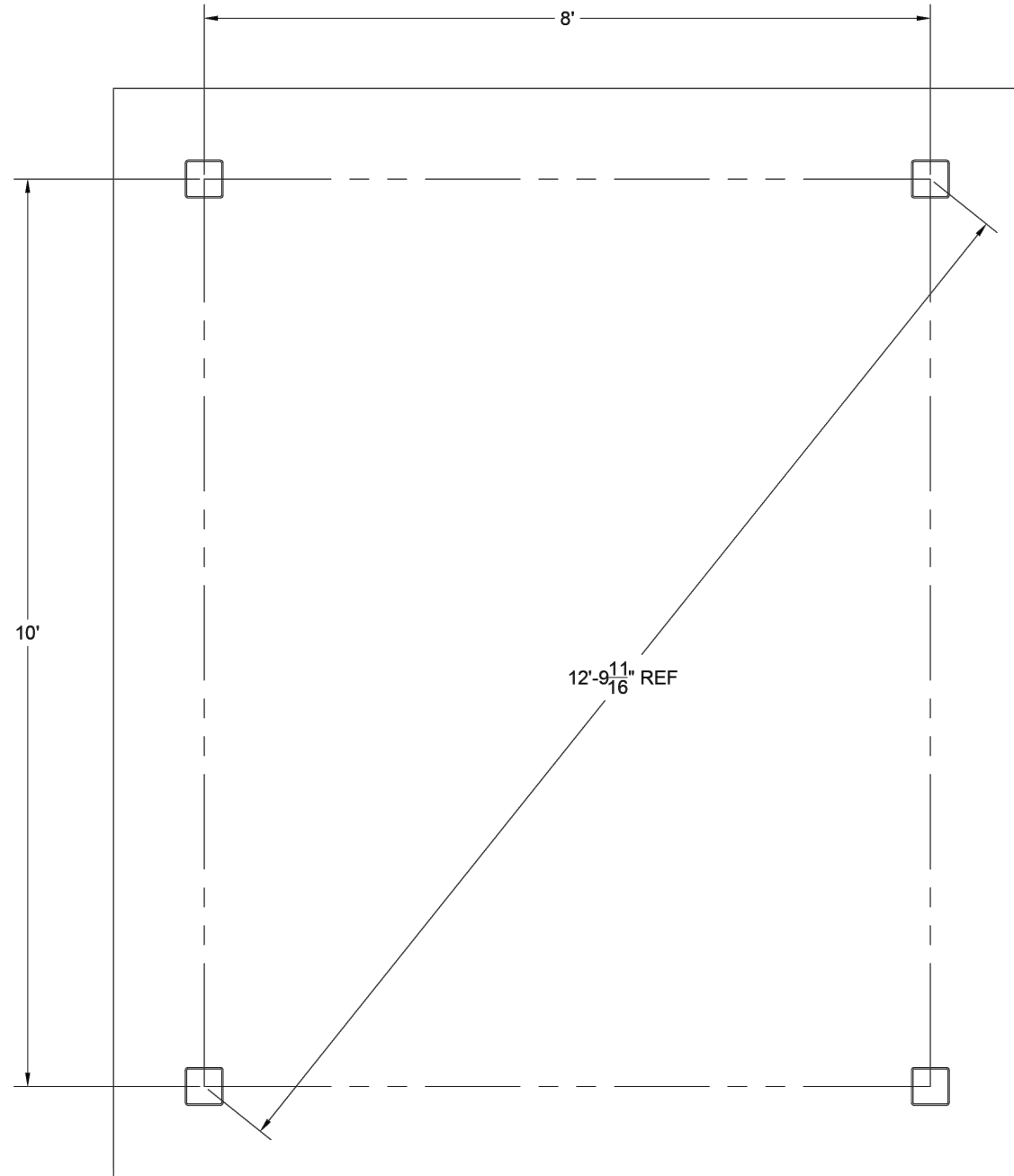
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STEEL COLUMN PIER DETAIL

TYPICAL PIER DIAMETER IS BETWEEN 2'-0" AND 3'-0"±
TYPICAL PIER DEPTH IS BETWEEN 3'-6" AND 5'-6"±

ACTUAL DESIGN WILL VARY DUE TO BUILDING CODE REQUIREMENTS AND MAY BE SUBSTANTIALLY LARGER.

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CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
DETAIL SHEET
 CARSON CITY NEVADA

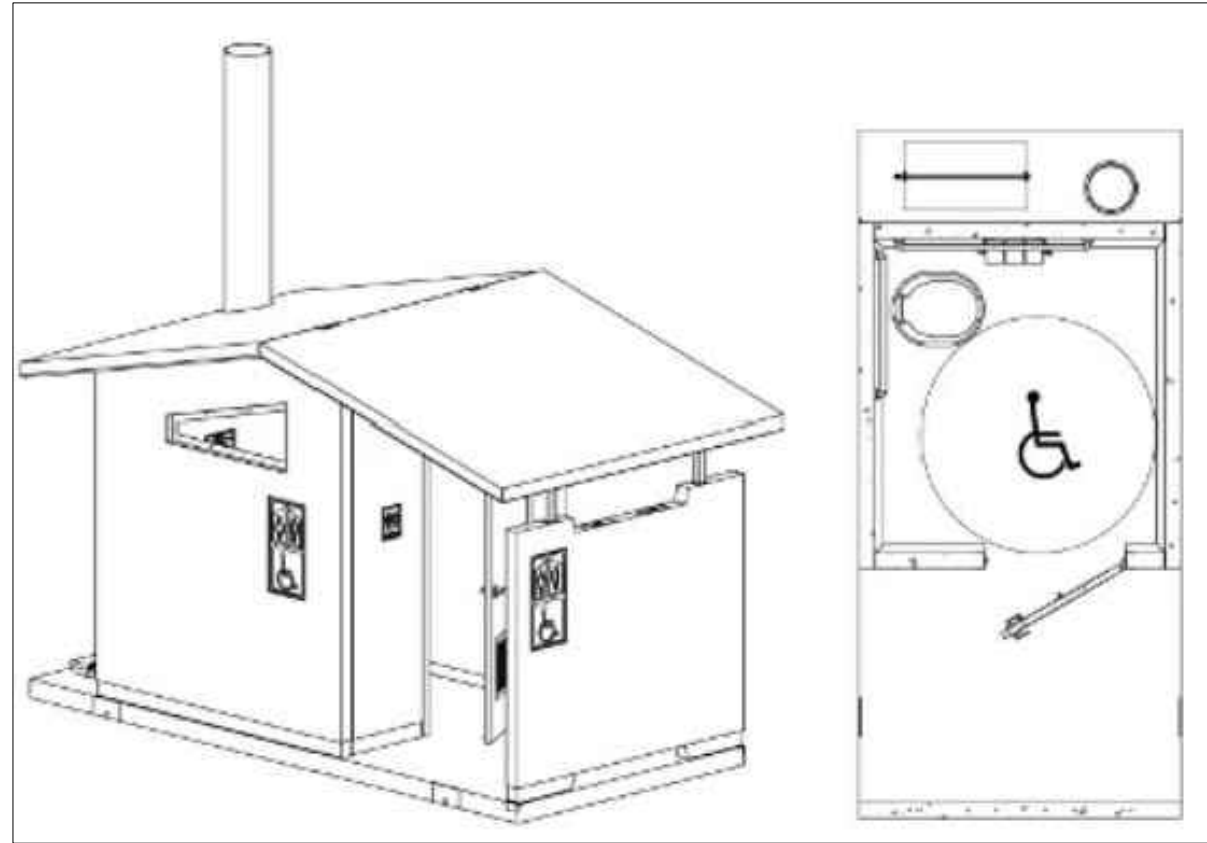
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1 Single User Vault Restroom

Floor plan 6' 6" x 14' 8"

(1) 1,000 gallon vault

Fully ADA Compliant

Waste Cleanout

Standard Unit

Barnwood Texture Walls
Cedar Shake Roof

NOTES:

1. SINGLE VAULT RESTROOM SHALL BE BY MISSOULA CONCRETE CONSTRUCTION, OR APPROVED EQUAL.
2. RESTROOM SHALL INCLUDE;
 - 2.1. OWL GUARD ON THE VENT.
 - 2.2. VISUAL LEVEL ALARM.
 - 2.3. UNISEX SIGNAGE.
 - 2.4. SOLAR LIGHT KIT.
 - 2.5. COLORS TO MATCH 5TH STREET TRAILHEAD TOILET.
3. CONTRACTOR SHALL COORDINATE WITH THE CITY.

CARSON CITY

CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
DETAIL SHEET

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General Specifications and Notes for all Parts and Weldments

1. All Steel Work shall conform to the AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings" - Latest Edition unless noted on the dwg.
2. All Welding shall be performed by qualified welders and shall conform to the American Welding Society ANSI/AWS D1.1 - Latest Edition of the Structural Welding Code-Steel.
3. All Material shall be new and shall be as noted on the drawing and/or in the Bill of Material. SS indicates Stainless Steel and HDG indicates Hot Dip Galvanized.
4. All Painting Work shall conform to the manufacturer's specification and installation instructions and the SSPC (Steel Structures Painting Council) and as noted on the dwg.
5. All hole center dimensions shall have a tolerance of 1/16 inch± and other dimensions shall have a tolerance of 1/8 inch± unless noted on the drawing.
6. All work shall be packaged and shipped per specific instructions by PARS Direct.

BILL OF MATERIAL

ITEM #	PART #	DESCRIPTION	QTY.
1	DHBF1	DHB POST	2
2	DHBF2	DHB BASE	1
3	1004	SINGLE LOCKING PIN SS316	1
4	2004	DOUBLE LOCKING PIN SS316	1
5	0010	#3/4" x 8" HEX HEAD HINGE BOLT - 18-8 SS	2
6	0006	#3/4" HEX NUT - 18-8 SS	2
7	0107	SAFETY LABEL 3" x 12"	2
8	0101	THREE INCH CLEARANCE LABEL	2
9	0051	LEVELING BOLT #1/2" x 1 1/2" HEX HEAD 18-8 SS	1

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DOUBLE POST HINGED BOLLARD
ASSEMBLY DRAWING

THIRD ANGLE PROJECTION

Do not scale from drawing

Toll Free TrafficGuard, Inc.
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Design: wkz, nts, rts, Assembly Shipping Weight: 84 Pounds
Drawn: wkz, Copywrite: 2010
Checked: wkz, Dwg. Size: Letter, Drawing Date: 12.10.10, Sheet: 2 of 2

CONCRETE PIER ANCHOR SYSTEM DETAIL DRAWING CPAS12

CPAS12 COLLAPSIBLE POST ANCHOR SYSTEM DETAILS

These Anchor systems are designed for the noted loading based on a quality substrate material and proper installation. The customer is responsible to determine the adequate quality of new or existing concrete and the earth substrate. The concrete shall be solid and uncracked with adequate thickness for the anchors and a compressive strength of Fc (minimum)=4,000 pounds per square inch. The earth shall have an unconfined strength of Qu (minimum)=4,000 pounds per square foot. If you have questionable substrates, contact your local structural engineer for appropriate anchorage evaluation and/or anchorage design. A test installation may be required to determine the adequacy of the anchorage system for your specific installation. Call for guidance, if needed.

REV.	DATE	BY	DESCRIPTION	DESIGN	CHKD	DWG. SCALE	ASSEMBLY	SHIPPING WEIGHT	DRAWING NUMBER
2	11.14.10	wkz	Locking Pins & Note	wkz	nts	nts	Assembly	Shipping Weight	Drawing Number
1	-	-	-	wkz	Copywrite: 2010	-	-	84 Pounds	CPAS12

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CONCRETE PIER ANCHOR SYSTEM INSTALLATION DRAWING CPAS12

BILL OF MATERIAL
OPTIONAL CPAS12 KIT IF ORDERED

ITEM #	PART #	DESCRIPTION	QTY.
1	0001	CPAS12 KIT - INCLUDES THE FOLLOWING PART NUMBERS	1
2	0007	#3/4" TYPE A FLAT NUT GALVANIZED STEEL	4
3	0006	#3/4" TYPE A FLAT NUT GALVANIZED STEEL	4
4	0006	#3/4" TYPE A FLAT NUT GALVANIZED STEEL	4

NOTE: CONCRETE, FORM AND REBAR PROVIDED BY OTHERS

REV.	DATE	BY	DESCRIPTION	DESIGN	CHKD	DWG. SCALE	ASSEMBLY	SHIPPING WEIGHT	DRAWING NUMBER
2	11.14.10	wkz	Locking Pins & Note	wkz	nts	nts	Assembly	Shipping Weight	Drawing Number
1	-	-	-	wkz	Copywrite: 2010	-	-	84 Pounds	CPAS12

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**CARSON RIVER TRAIL SYSTEM - PHASE 3
PRISON HILL WEST
DETAIL SHEET**

REV.	DATE	DESCRIPTION

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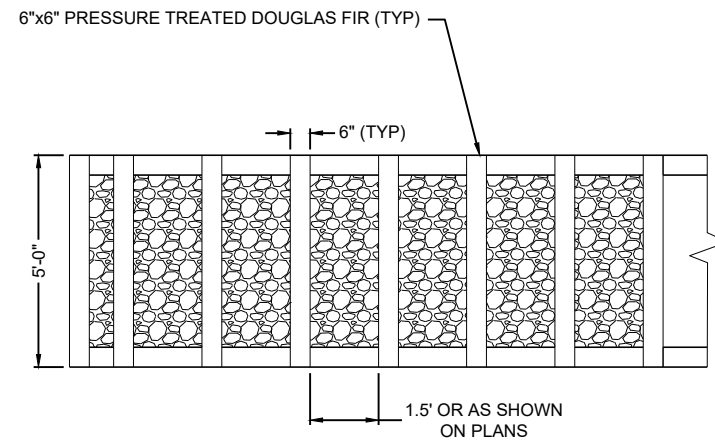
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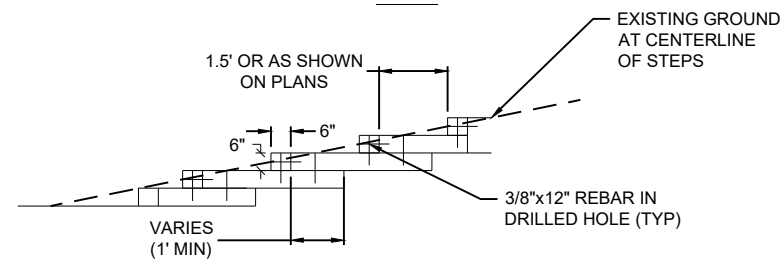
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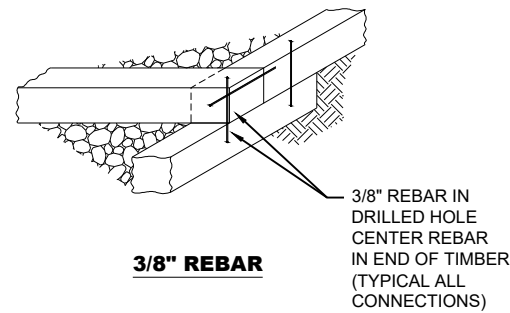
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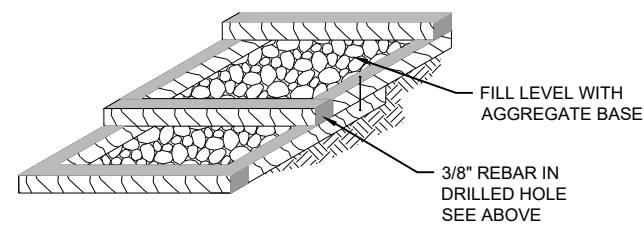
PLAN



PROFILE



3/8" REBAR



STEP VIEW

1 WOOD STEPS
D1.14 N.T.S.

