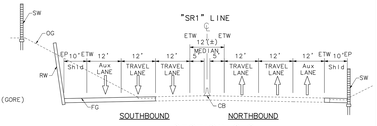
Appendix G Geometric Approval Drawings

LEGEND

- RETAINING WALL
- CONCRETE BARRIER
- SOUND WALL
- CALTRANS RIGHT OF WAY
- SLOPE LINE/TOE OF SLOPE
- SLOPE LINE/TOP OF CUT
- LINE DATA (SEE TABLE)
- CURVE DATA (SEE TABLE)
- BUS ON SHOULDER
- CONTRASTING SURFACE TREATMENT (GORE)
- NEW STRUCTURE
- NEW PAVEMENT
- NEW R/W TAKE
- TEMPORARY CONSTRUCTION EASEMENT

NOTES

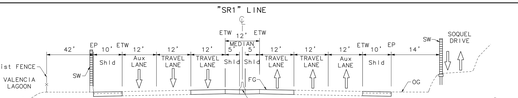
1. FINAL RETAINING WALL LOCATIONS ARE TO BE DETERMINED.



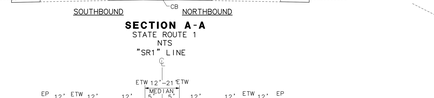
SECTION G-G
STATE ROUTE 1
NTS

LINE DATA			
No.	LINE	LENGTH	DIRECTION
L1	"SR1" LINE	1096.56'	N38°58'03"W
L2	"SR1" LINE	3154.06'	N65°35'00"W
L3	"SR1" LINE	2327.99'	S86°17'12"W
L4	"SR1" LINE	778.18'	N80°49'37"W
L5	"SR1" LINE	2913.47'	N56°01'21"W
L6	"FB3" LINE	643.66'	N70°16'23"W
L7	"FB3" LINE	300.06'	N66°43'45"W
L8	"FB4" LINE	81.89'	N47°39'37"W
L9	"FB4" LINE	1176.70'	N61°10'00"W
L10	"RM1" LINE	300.06'	N66°43'45"W
L11	"RM1" LINE	472.38'	N70°09'29"W
L12	"RM1" LINE	103.08'	N82°03'19"W
L13	"RM2" LINE	536.35'	N60°34'48"W
L14	"RM2" LINE	163.54'	N43°43'48"W
L15	"RM3" LINE	86.19'	S78°29'26"W
L16	"RM3" LINE	268.89'	N83°22'16"W
L17	"RM3" LINE	205.90'	N89°03'13"W
L18	"RM4" LINE	218.04'	N69°25'15"W
L19	"RM4" LINE	997.80'	N88°48'10"W
L20	"MH" LINE	114.91'	N55°31'02"W
L21	"MH" LINE	84.74'	S80°14'33"W
L22	"MH" LINE	71.02'	S45°34'59"W
L23	"SP1" LINE	300.06'	N57°06'54"W
L24	"SP1" LINE	281.13'	S40°30'45"W
L25	"SP2" LINE	313.69'	N51°10'05"W
L26	"SP2" LINE	358.30'	N17°44'49"W
L27	"SP6" LINE	338.09'	N57°36'05"W

CURVE DATA					
No.	LINE	R	Δ	T	L
C1	"SR1" LINE	3300.00'	26°36'57"	780.57'	1532.96'
C2	"SR1" LINE	3500.00'	28°07'48"	876.87'	1718.36'
C3	"SR1" LINE	3259.97'	12°53'11"	368.16'	733.21'
C4	"SR1" LINE	2530.00'	24°48'16"	556.36'	1095.28'
C5	"FB3" LINE	400.00'	11°55'46"	41.79'	83.28'
C6	"FB3" LINE	3000.00'	3°32'38"	92.81'	185.56'
C7	"FB4" LINE	140.00'	7°16'47"	8.95'	17.87'
C8	"FB4" LINE	1400.00'	13°30'23"	165.78'	330.02'
C9	"RM1" LINE	3000.00'	3°25'44"	89.80'	179.54'
C10	"RM1" LINE	1000.00'	11°53'50"	104.20'	207.64'
C11	"RM1" LINE	300.00'	15°59'38"	42.15'	83.74'
C12	"RM2" LINE	575.00'	16°51'00"	85.16'	169.10'
C13	"RM2" LINE	180.00'	34°01'50"	55.08'	106.91'
C14	"RM3" LINE	150.00'	21°03'17"	27.87'	55.12'
C15	"RM3" LINE	450.00'	18°08'18"	71.83'	142.46'
C16	"RM3" LINE	3000.00'	5°40'57"	148.89'	297.54'
C17	"RM4" LINE	1500.00'	19°20'55"	255.71'	506.55'
C18	"MH" LINE	150.00'	29°20'11"	39.26'	76.80'
C19	"MH" LINE	3326.00'	3°34'03"	103.58'	207.10'
C20	"MH" LINE	150.00'	18°44'33"	24.76'	49.07'
C21	"MH" LINE	150.00'	34°39'33"	46.80'	90.74'
C22	"SP1" LINE	3000.00'	4°55'59"	129.22'	258.29'
C23	"SP1" LINE	300.00'	77°26'22"	240.51'	405.47'
C24	"SP2" LINE	400.00'	33°25'16"	120.09'	233.32'
C25	"SP2" LINE	200.00'	19°27'08"	34.28'	67.90'
C26	"SP6" LINE	600.00'	12°49'30"	67.43'	134.30'
C27	"SP6" LINE	150.00'	202°16'49"	761.73'	529.57'

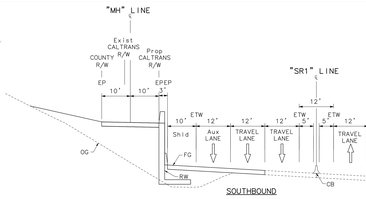


SECTION A-A
STATE ROUTE 1
NTS



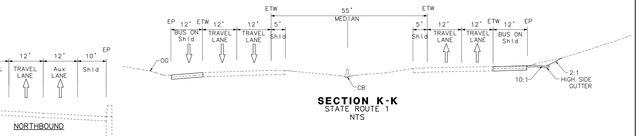
SECTION B-B
STATE ROUTE 1
NTS

SECTION D-D
STATE ROUTE 1
NTS

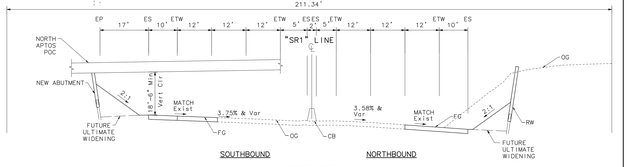


SECTION E-E
STATE ROUTE 1
NTS

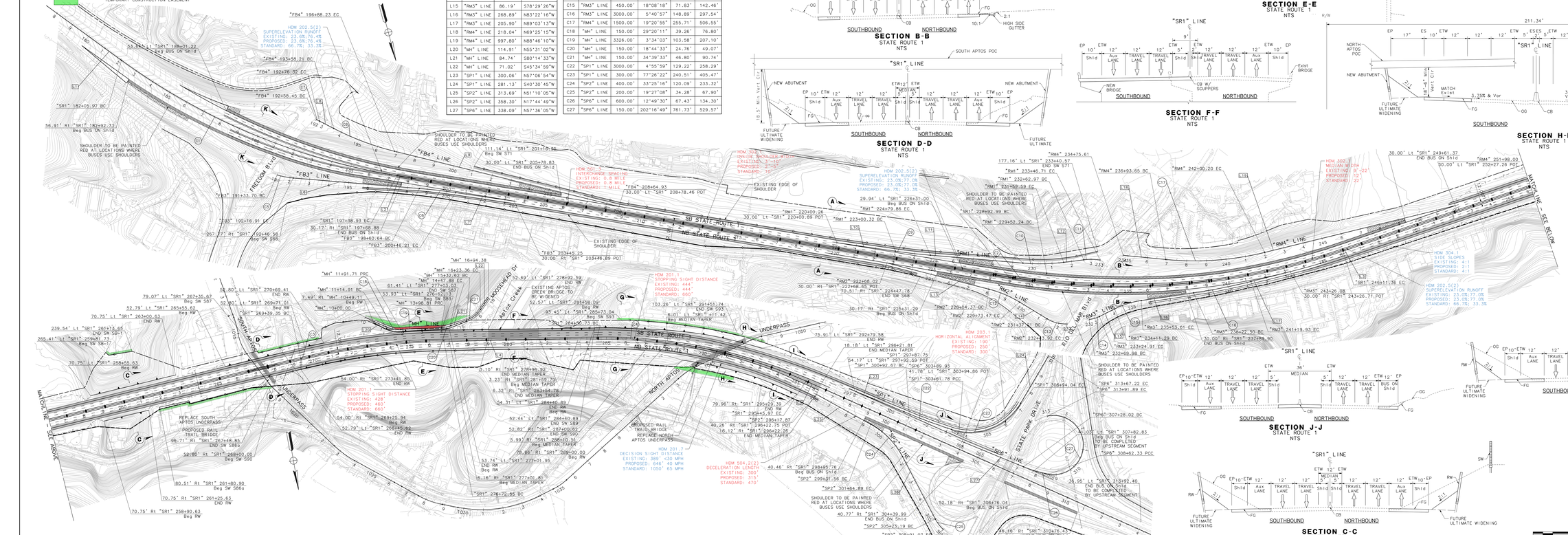
SECTION F-F
STATE ROUTE 1
NTS



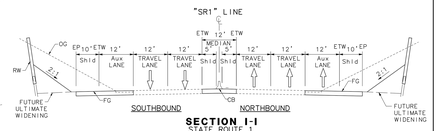
SECTION K-K
STATE ROUTE 1
NTS



SECTION H-H
STATE ROUTE 1
NTS



SECTION J-J
STATE ROUTE 1
NTS



SECTION I-I
STATE ROUTE 1
NTS

SECTION C-C
STATE ROUTE 1
NTS

GRAPHIC SCALE
1" = 100'

SCCRTC - HIGHWAY 1 AUX LANES AND BUS ON SHOULDER FREEDOM BOULEVARD TO STATE PARK DRIVE GEOMETRIC APPROVAL DRAWINGS

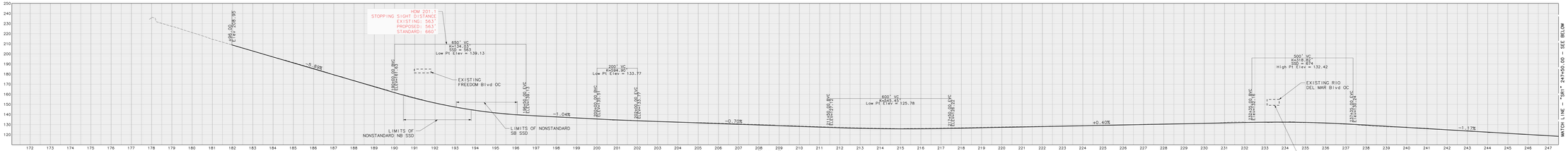
DESIGNED BY: DJ
CHECKED BY: VG
DATE: 07/21/23
SCALE: 1" = 100'

FILE No.: 21-00117
APPROVED BY:
RCE No.:

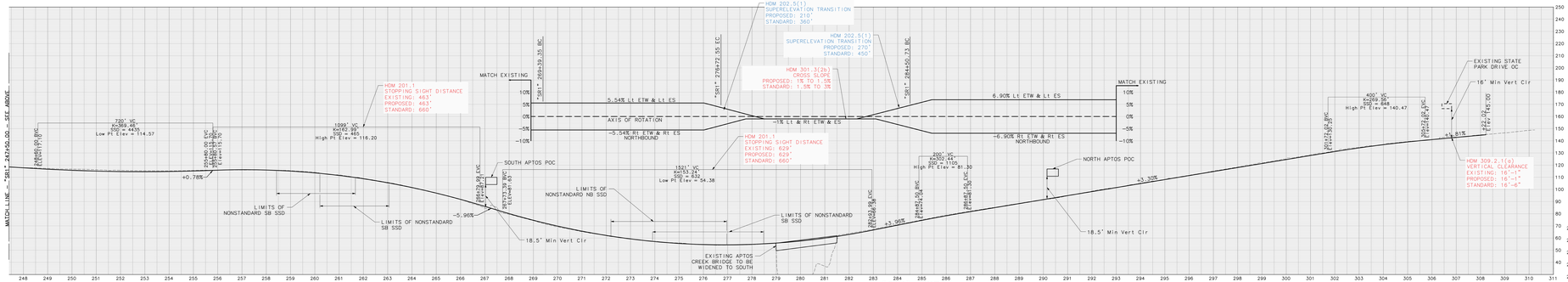
MARK THOMAS

SCCRTC

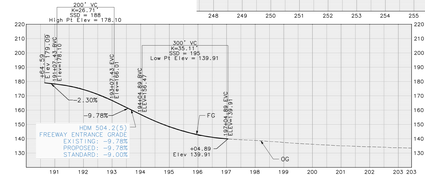
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL
5	SCr	1	10.34/13.44	1 OF 2



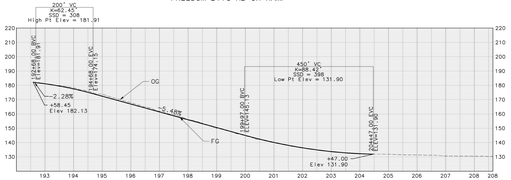
"SR1" LINE
Hwy 1 STATE PARK Dr TO FREEDOM Blvd



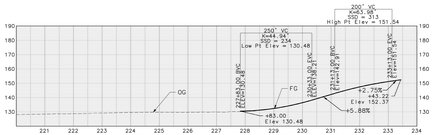
"SR1" LINE
Hwy 1 STATE PARK Dr TO FREEDOM Blvd



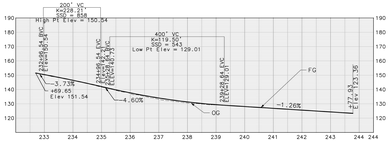
"FB3" LINE
FREEDOM Blvd NB ON-RAMP



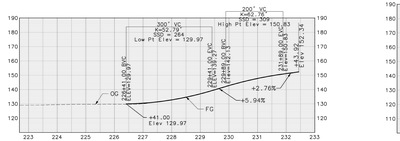
"FB4" LINE
FREEDOM Blvd SB OFF-RAMP



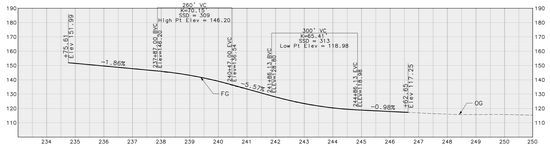
"RM1" LINE
RIO DEL MAR Blvd SB ON-RAMP



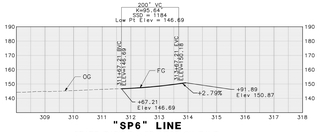
"RM3" LINE
RIO DEL MAR Blvd NB ON-RAMP



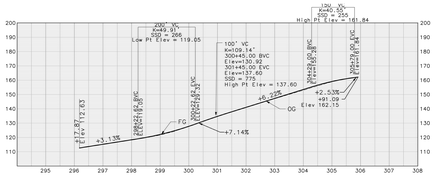
"RM2" LINE
RIO DEL MAR Blvd NB OFF-RAMP



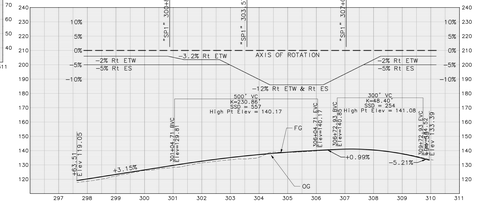
"RM4" LINE
RIO DEL MAR Blvd SB OFF-RAMP



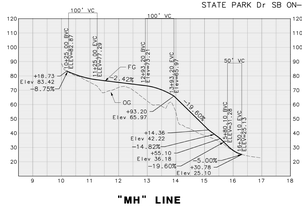
"SP6" LINE
STATE PARK Dr SB LOOP ON-RAMP



"SP2" LINE
STATE PARK Dr NB OFF-RAMP



"SP1" LINE
STATE PARK Dr SB ON-RAMP



"MH" LINE
MOOSEHEAD Dr

GRAPHIC SCALE
1" = 100'

SCCRTC - HIGHWAY 1 AUX LANES AND BUS ON SHOULDER FREEDOM BOULEVARD TO STATE PARK DRIVE GEOMETRIC APPROVAL DRAWINGS

DESIGNED BY: RC	FILE No.: 21-00117
CHECKED BY: VC	APPROVED BY:
DATE: 06/28/22	RCE No.:
SCALE: V 1"=20' H 1"=100'	

MARK THOMAS

SCCRTC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL
5	SCr	1	10.34/13.44	2 OF 2

COASTAL RAIL-TRAIL SEGMENT 12 ULTIMATE IMPROVEMENTS

LEGEND

- RETAINING WALL
- SLOPE LINE/TOE OF SLOPE
- SLOPE LINE/TOP OF CUT
- L1 LINE DATA (SEE TABLE)
- C1 CURVE DATA (SEE TABLE)
- PROPOSED BRIDGE
- PROPOSED BRIDGE DECK CONVERSION

NOTES

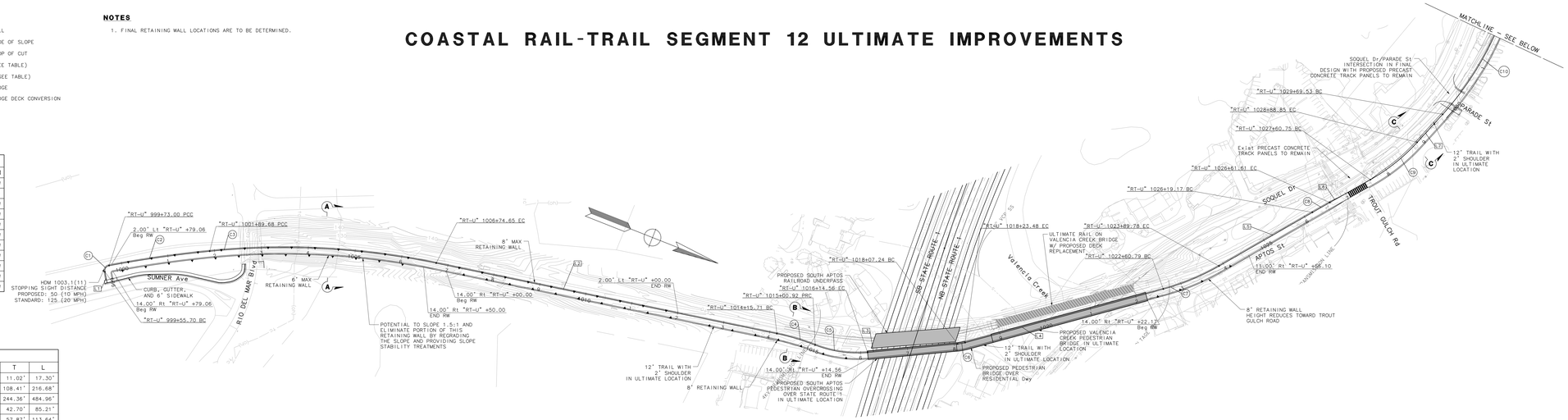
1. FINAL RETAINING WALL LOCATIONS ARE TO BE DETERMINED.

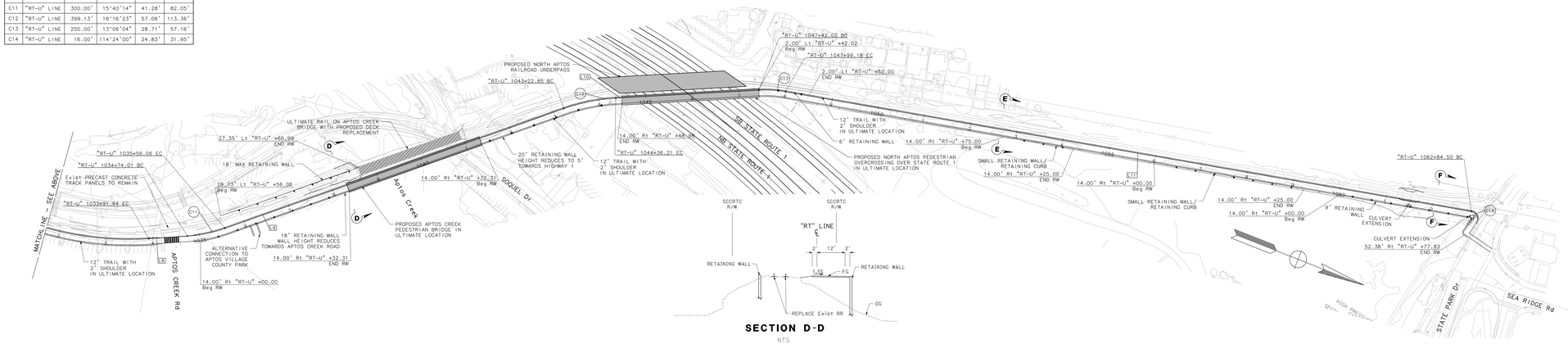
LINE DATA

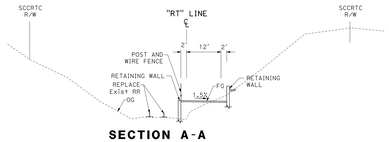
No.	LINE	LENGTH	DIRECTION
L1	"RT-U" LINE	24.77'	S57°44'43"W
L2	"RT-U" LINE	741.07'	N9°48'26"W
L3	"RT-U" LINE	192.67'	N26°50'38"W
L4	"RT-U" LINE	437.31'	N36°36'29"W
L5	"RT-U" LINE	229.39'	N51°23'20"W
L6	"RT-U" LINE	99.14'	N50°54'10"W
L7	"RT-U" LINE	80.68'	N69°15'08"W
L8	"RT-U" LINE	82.37'	S73°32'23"W
L9	"RT-U" LINE	766.79'	S57°52'10"W
L10	"RT-U" LINE	305.81'	S74°08'33"W
L11	"RT-U" LINE	1485.32'	S87°14'37"W

CURVE DATA

No.	LINE	R	Δ	T	L
C1	"RT-U" LINE	11.00'	90°06'54"	11.02'	17.30'
C2	"RT-U" LINE	2500.00'	4°57'57"	108.41'	216.68'
C3	"RT-U" LINE	1600.00'	17°21'59"	244.36'	484.96'
C4	"RT-U" LINE	506.00'	9°38'54"	42.70'	85.21'
C5	"RT-U" LINE	244.00'	26°41'06"	57.87'	113.64'
C6	"RT-U" LINE	95.35'	9°45'51"	8.14'	16.25'
C7	"RT-U" LINE	500.00'	14°46'51"	64.85'	128.99'
C8	"RT-U" LINE	5000.00'	0°29'11"	21.22'	42.44'
C9	"RT-U" LINE	400.00'	18°20'58"	64.61'	128.10'
C10	"RT-U" LINE	650.00'	37°12'29"	218.80'	422.11'
C11	"RT-U" LINE	300.00'	15°40'14"	41.28'	82.05'
C12	"RT-U" LINE	399.13'	16°16'23"	57.06'	113.36'
C13	"RT-U" LINE	250.00'	13°06'04"	28.71'	57.16'
C14	"RT-U" LINE	16.00'	114°24'00"	24.83'	31.95'

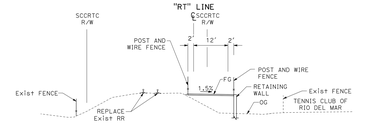






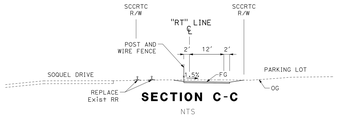
SECTION A-A

NTS



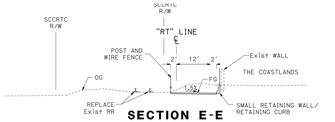
SECTION B-B

NTS



SECTION C-C

NTS

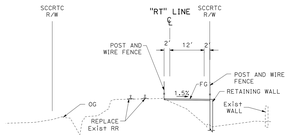


SECTION E-E

NTS

SECTION D-D

NTS



SECTION F-F

NTS

GRAPHIC SCALE 1" = 50'

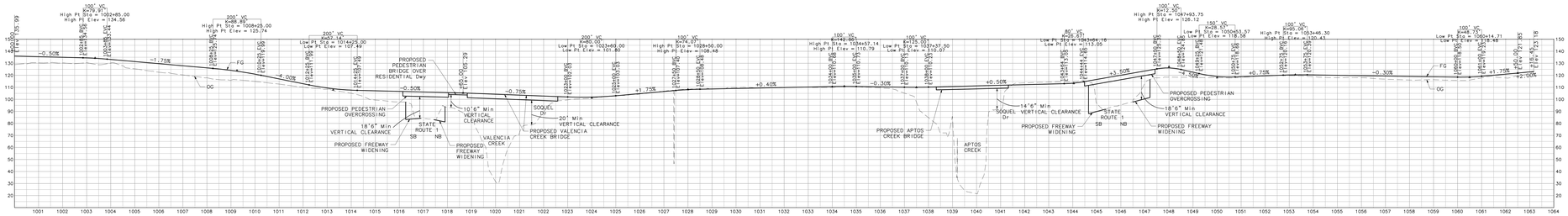
SCCRTC - HIGHWAY 1 AUX LANES AND BUS ON SHOULDER FREEDOM BOULEVARD TO STATE PARK DRIVE DRAFT GEOMETRIC APPROVAL DRAWINGS

DESIGNED BY: DB
CHECKED BY: CM
DATE: 12/31/22
SCALE: 1" = 50'
APPROVED BY:
RCE No.:
FILE No.: 21-00117

MARK THOMAS

SCCRTC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL
5	SCr	1	10.34/13.44	1 OF 2



"RT-U" LINE
COASTAL RAIL TRAIL SEGMENT 12
RIO DEL MAR Blvd TO STATE PARK Dr

2 30 60 90 120 150
GRAPHIC SCALE
1" = 100'

SCCRTC - HIGHWAY 1 AUX LANES AND BUS ON SHOULDER FREEDOM BOULEVARD TO STATE PARK DRIVE
DRAFT GEOMETRIC APPROVAL DRAWINGS

DESIGNED BY: JR
CHECKED BY: CM
DATE: 10/22/21
SCALE: H 1"=100' V 1"=20'

APPROVED BY:
RCE No.:

FILE No.: 21-00117

MARK THOMAS

SCCRTC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL
5	SCr	1	10.34/13.44	2 OF 2

COASTAL TRAIL SEGMENT 12 INTERIM IMPROVEMENTS

LEGEND

- RETAINING WALL
- SLOPE LINE/TOE OF SLOPE
- SLOPE LINE/TOP OF CUT
- L1 LINE DATA (SEE TABLE)
- C1 CURVE DATA (SEE TABLE)
- PROPOSED BRIDGE
- PROPOSED BRIDGE DECK CONVERSION

NOTES

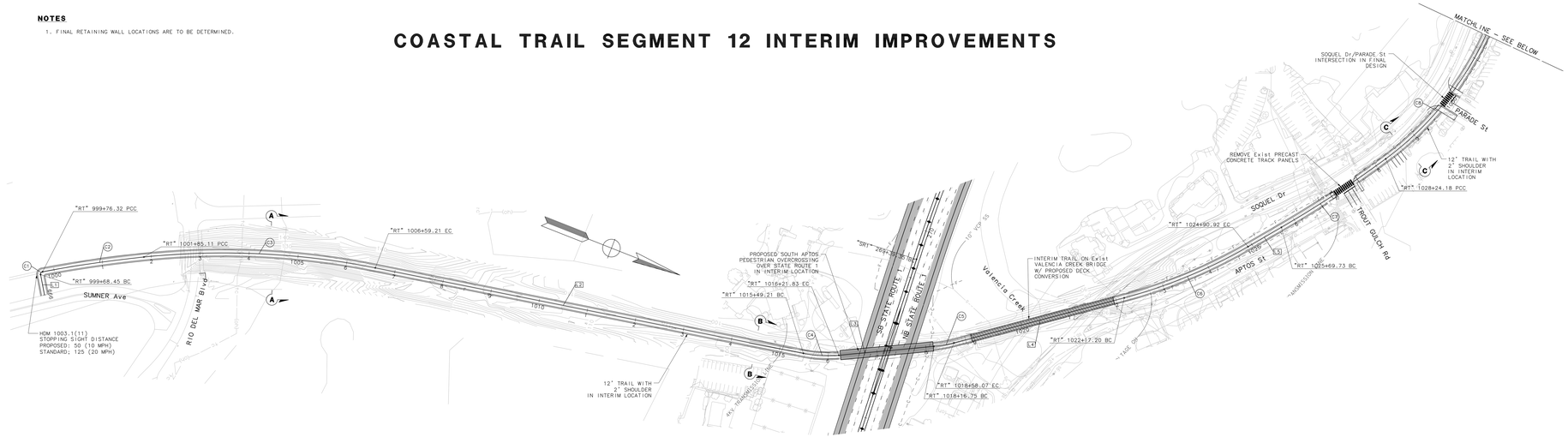
1. FINAL RETAINING WALL LOCATIONS ARE TO BE DETERMINED.

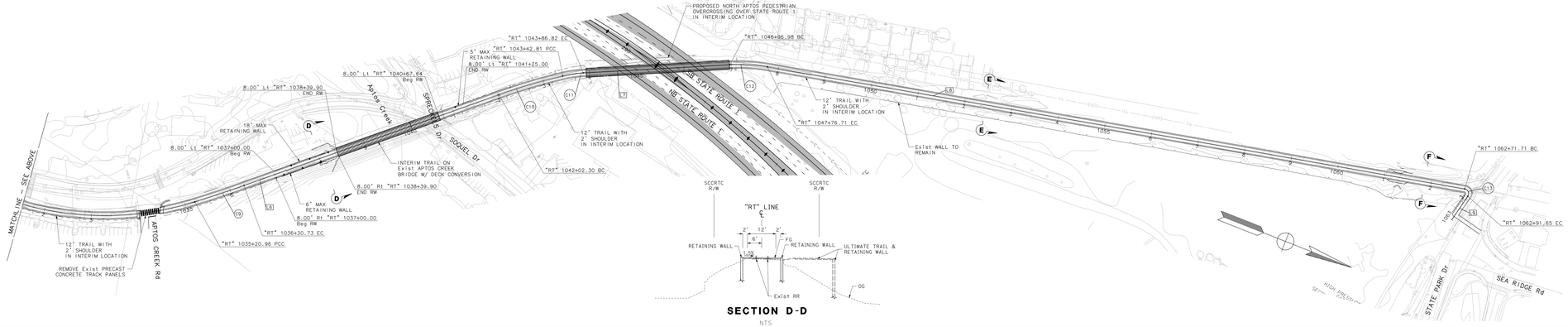
LINE DATA

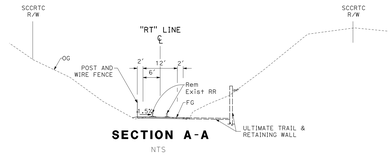
No.	LINE	LENGTH	DIRECTION
L1	"RT" LINE	42.48'	S57°44'43"W
L2	"RT" LINE	890.00'	N10°11'59"W
L3	"RT" LINE	194.92'	N26°50'38"W
L4	"RT" LINE	359.14'	N36°18'43"W
L5	"RT" LINE	78.81'	N51°36'40"W
L6	"RT" LINE	571.58'	S57°45'32"W
L7	"RT" LINE	310.20'	S74°08'33"W
L8	"RT" LINE	1008.60'	S87°11'40"W
L9	"RT" LINE	60.00'	N21°38'36"E

CURVE DATA

No.	LINE	R	Δ	T	L
C1	"RT" LINE	5.00'	90°06'53"	5.01'	7.86'
C2	"RT" LINE	2512.00'	4°45'45"	104.46'	208.80'
C3	"RT" LINE	1575.00'	17°14'49"	238.85'	474.10'
C4	"RT" LINE	250.00'	16°38'40"	36.57'	72.62'
C5	"RT" LINE	250.00'	9°28'05"	20.70'	41.31'
C6	"RT" LINE	1025.00'	15°17'57"	137.67'	273.70'
C7	"RT" LINE	2300.00'	6°20'21"	127.36'	254.47'
C8	"RT" LINE	645.00'	61°53'42"	386.75'	696.77'
C9	"RT" LINE	2625.00'	2°23'46"	54.89'	109.77'
C10	"RT" LINE	1228.22'	6°33'15"	70.33'	140.50'
C11	"RT" LINE	250.00'	10°04'35"	22.04'	43.97'
C12	"RT" LINE	350.00'	13°03'07"	40.04'	79.73'
C13	"RT" LINE	10.00'	114°15'56"	15.48'	19.94'

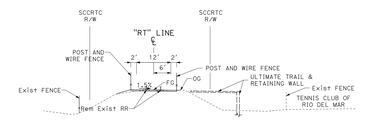






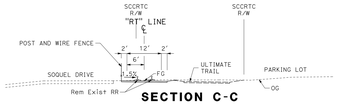
SECTION A-A

NTS



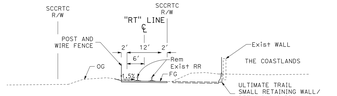
SECTION B-B

NTS



SECTION C-C

NTS

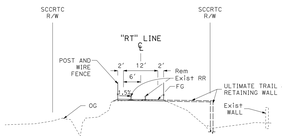


SECTION E-E

NTS

SECTION D-D

NTS



SECTION F-F

NTS

GRAPHIC SCALE 1" = 50'

SCCRTC - HIGHWAY 1 AUX LANES AND BUS ON SHOULDER FREEDOM BOULEVARD TO STATE PARK DRIVE DRAFT GEOMETRIC APPROVAL DRAWINGS

DESIGNED BY: DB
CHECKED BY: CM
DATE: 7/31/22
SCALE: 1" = 50'
APPROVED BY:
RCE No.:
FILE No.: 21-00117

MARK THOMAS

SCCRTC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL
5	SCr	1	10.34/13.44	1 OF 2