Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	1	8.1/10.7	1	932

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

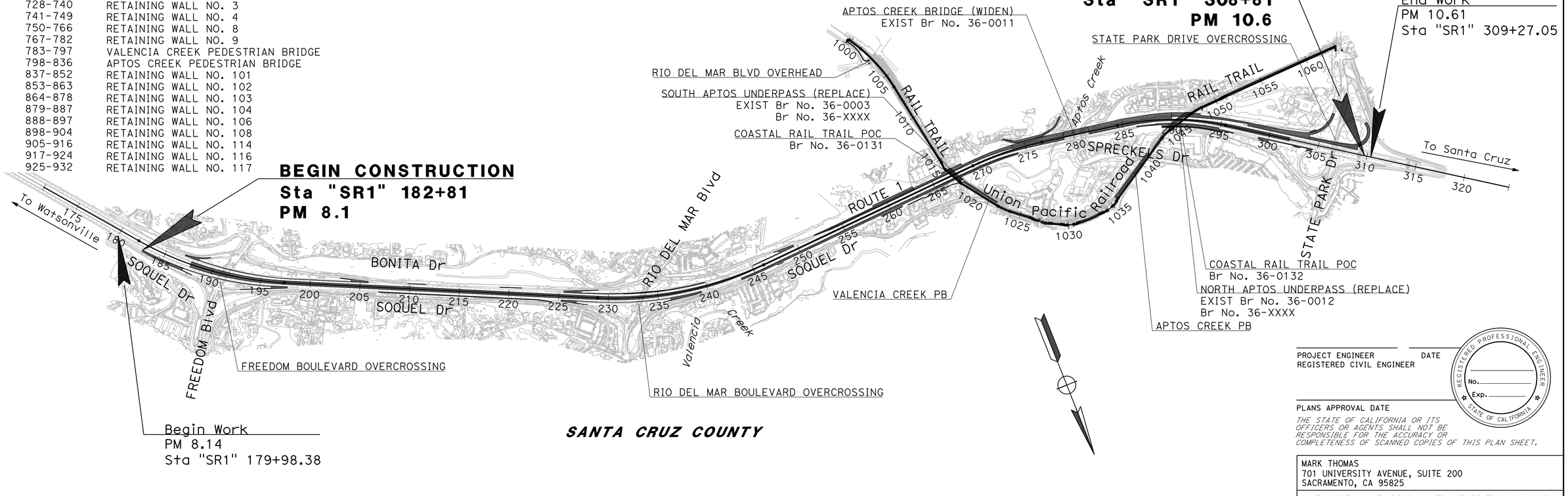
STATE HIGHWAY

IN SANTA CRUZ COUNTY
AT AND NEAR APTOS
FROM 0.3 MILE SOUTH OF FREEDOM BOULEVARD OVERCROSSING
TO 0.3 MILE NORTH OF STATE PARK DRIVE UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2023

INDEX OF PLANS

SHEET NO.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-23	TYPICAL CROSS SECTIONS
24-25	KEY MAP AND LINE INDEX
26	PROJECT CONTROL
27-39	LAYOUTS
40-67	PROFILE AND SUPERELEVATION DIAGRAM
68-116	CONSTRUCTION DETAILS
117-181	DRAINAGE PLANS, PROFILES, DETAILS AND QUANTITIES
182-194	UTILITY PLANS
195	CONSTRUCTION AREA SIGNS
196-206	MOTORIST INFORMATION PLANS AND QUANTITIES
207-225	STAGE CONSTRUCTION PLANS
226-274	TRAFFIC HANDLING PLANS, DETAILS AND QUANTITIES
275-295	PAVEMENT DELINEATION PLANS AND QUANTITIES
296-337	SIGN PLANS, DETAILS AND QUANTITIES
338-341	SUMMARY OF QUANTITIES
342-351	RETAINING WALL PLANS AND QUANTITIES
352-354	SOUND WALL PLANS, DETAILS AND QUANTITIES
355-390	IRRIGATION PLANS, DETAILS AND QUANTITIES
391-425	PLANTING PLANS, DETAILS AND QUANTITIES
426-441	EROSION CONTROL PLANS, DETAILS AND QUANTITIES
442-498	ELECTRICAL SYSTEMS PLANS, DETAILS AND QUANTITIES
	STRUCTURE PLANS
499-550	APTOS CREEK BRIDGE (WIDEN)
551-581	COASTAL RAIL TRAIL POC, Br No. 36-0131
582-605	COASTAL RAIL TRAIL POC, Br No. 36-0132
606-641	SOUTH APTOS UNDERPASS
642-671	NORTH APTOS UNDERPASS
672-680	RETAINING WALL NO. 5
681-695	RETAINING WALL NO. 6
696-709	RETAINING WALL NO. 7
710-718	RETAINING WALL NO. 1
719-727	RETAINING WALL NO. 2
728-740	RETAINING WALL NO. 3
741-749	RETAINING WALL NO. 4
750-766	RETAINING WALL NO. 8
767-782	RETAINING WALL NO. 9
783-797	VALENCIA CREEK PEDESTRIAN BRIDGE
798-836	APTOS CREEK PEDESTRIAN BRIDGE
837-852	RETAINING WALL NO. 101
853-863	RETAINING WALL NO. 102
864-878	RETAINING WALL NO. 103
879-887	RETAINING WALL NO. 104
888-897	RETAINING WALL NO. 106
898-904	RETAINING WALL NO. 108
905-916	RETAINING WALL NO. 114
917-924	RETAINING WALL NO. 116
925-932	RETAINING WALL NO. 117



NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

DRAFT - NOT FOR CONSTRUCTION

PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER No. Exp. STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE Ste 250
SANTA CRUZ, CA 95090

CONTRACT No.	05-0C734
PROJECT ID	0520000083

LAST REVISION 00-00-00 | DATE PLOTTED => 10-Sep-24 | TIME PLOTTED => 14:48

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

CONSULTANT DESIGN MANAGER: ZACHARY SIVIGLIA | CALTRANS DESIGN OVERSIGHT APPROVAL: X. XXXXXXXXX | REGISTRATION No.: XXXXX | LICENSE Exp DATE: XX/XX/XXXX | DATE SIGNED: XX/XX/XXXX

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	2	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

KIRA CASELLI No. 86464 Exp. 03-31-25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTE:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. FOR PAVEMENT EDGE TREATMENT, SEE DETAIL "B" PER STANDARD PLAN P76.
3. FOR LIMITS AND TYPES OF DIKE, MGS, CONCRETE BARRIERS, SOUND WALLS, AND RETAINING WALLS, SEE LAYOUT SHEETS.
4. FOR 12" RUMBLE STRIP (AC PAVEMENT) LIMITS, SEE LAYOUT SHEETS.
5. FOR 12" RUMBLE STRIP REMOVAL LIMITS, SEE SHEET Q-3.
6. SUPERELEVATIONS AS SHOWN ON THE SUPERELEVATION DIAGRAMS.
7. FOR PAVING DETAILS UNDER HMA DIKE, SEE SHEET C-11.
8. TO MATCH EXISTING, REFER TO THE CONSTRUCTION DETAIL SHEETS FOR GRADE, OFFSET, AND ELEVATION DETAILS AND STAKING.
9. ALL CONCRETE BARRIERS AND CONCRETE BARRIER TRANSITIONS ON ROUTE 1 MUST BE INTEGRALLY PIGMENTED. SEE CONTRACT SPECIAL PROVISIONS SECTION 83-3 FOR ADDITIONAL DETAILS.
10. FOR THE LIMITS AND GRADES OF THE GORE AREAS, SEE CONSTRUCTION DETAILS.
11. FOR STAMPED CONCRETE DETAILS, SEE SHEET C-11.

TYPICAL PAVEMENT STRUCTURAL SECTIONS

[1] 0.20' RHMA-G
0.60' HMA (TYPE A)
0.50' CI 2 AB

[2] HMA LEVELING
0.20' RHMA-G
Var 0.20' TO 0.60' HMA

[3] 0.50' MINOR CONCRETE (STAMPED CONCRETE)
0.50' CL 2 AB

[4] 0.20' VEGETATION CONTROL (MINOR CONCRETE)
95% RELATIVE COMPACTION

[5] 0.33' MINOR CONCRETE (SIDEWALK)
0.17' CL 2 AB

[6] 0.25' HMA (TYPE A)
0.33' CL 2 AB
0.66' SCARIFY AND COMPACT TO 95%

[7] 0.17' HMA (TYPE A)
0.50' CL 2 AB
0.50' CL 2 AS

[E1] Exist
0.20' HMA
1.00' AC
0.83' CI 2 AB
1.06' SM

[E2] Exist
0.20' HMA (TYPE A)
1.00' AC
0.67' CL 2 AB
1.00' CL 4 AS

[E3] Exist
0.20' HMA (TYPE A)
0.60' AC (TYPE A)

[E4] Exist
0.20' RHMA-G
0.60' HMA
0.75' AB

[E5] Exist
0.20' RHMA-G
0.70' TO 0.80' HMA
1.00' ASB

[8] 0.25' HMA (TYPE A)
0.33' CL 2 AB
0.50' OVEREXCAVATE AND COMPACT TO 95%

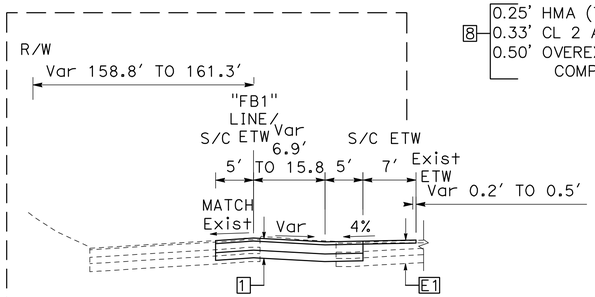
ROUTE 1 DESIGN DESIGNATION

ADT (2019)	92,000	D	60%
ADT (2035)	124,300	T	3%
DHV	9,950	V	65 mph
ESAL	8,302,900	TI_{20}	11.5

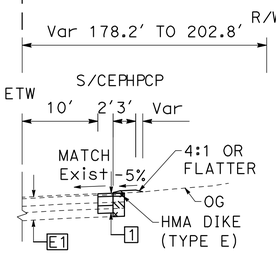
PAVEMENT CLIMATE REGION: CENTRAL COAST

LEGEND:

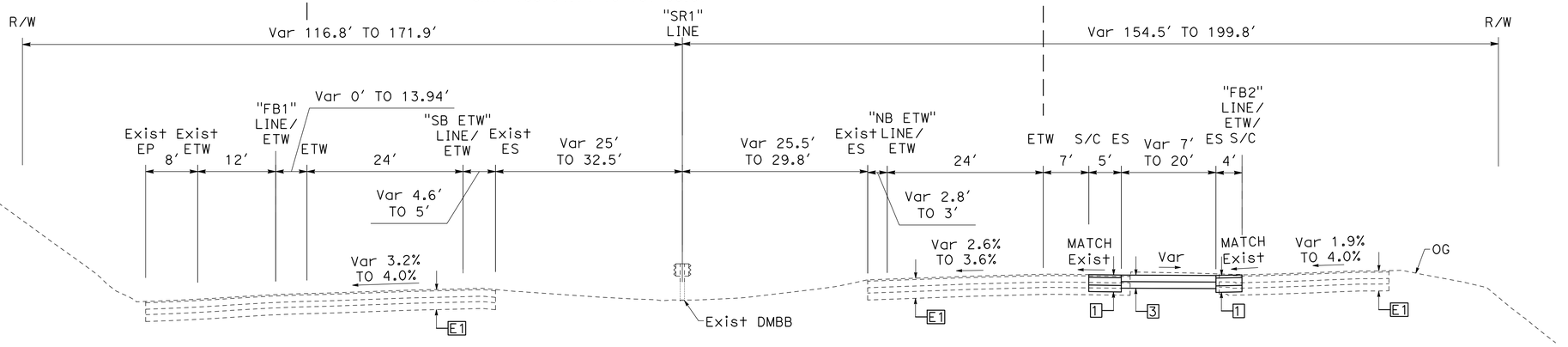
REMOVE BASE & SURFACING



SOUTHBOUND
"SR1" 186+94.14 TO 187+86.61



NORTHBOUND
"SR1" 187+18.24 TO 187+86.61



SOUTHBOUND NORTHBOUND

ROUTE 1

"SR1" 182+81.31 TO 187+86.61

ABBREVIATIONS:

C&G	CURB AND GUTTER
GB	GRADE BREAK
Rem	REMOVE
RHMA-G	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
SCCRTC	SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
SCC	SANTA CRUZ COUNTY
HSSG	HIGH SIDE SUPER GUTTER

TYPICAL CROSS SECTIONS

NO SCALE

X-1

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED
FABIOLA LOPEZ | KIRA CASELLI
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DATE PLOTTED =>8/29/2024
00-00-00 TIME PLOTTED =>4:48 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => CMITCHELL | DGN FILE => 0520000083ca001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	21	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

RACHEL YAZAWA No. 94051 Exp. 09-30-24 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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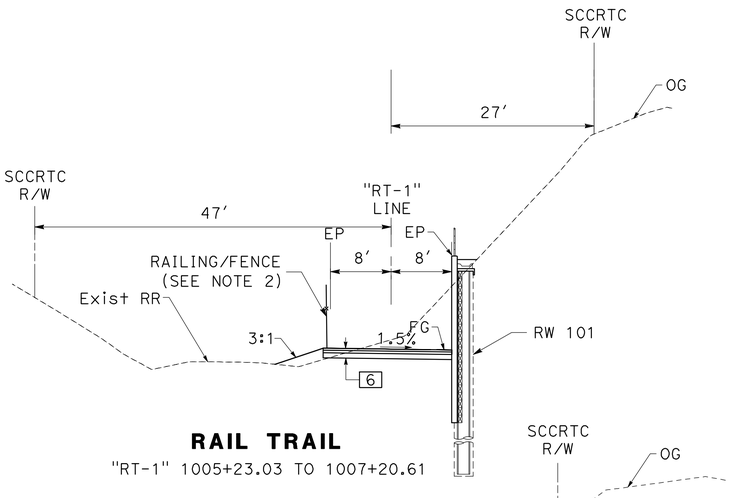
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

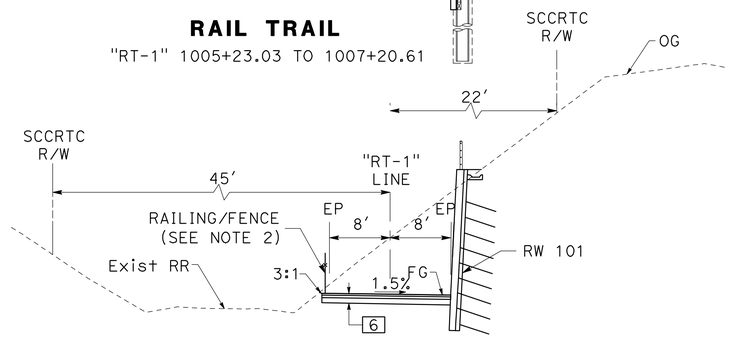
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR RAILING/FENCE TYPES AND LIMITS, SEE LAYOUT SHEETS.



RAIL TRAIL

"RT-1" 1005+23.03 TO 1007+20.61



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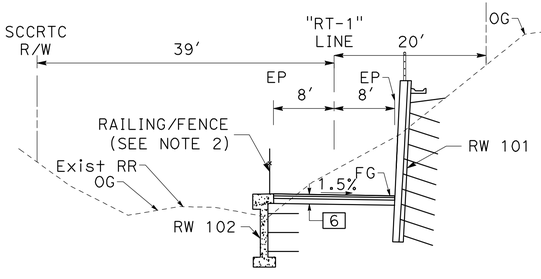

RAIL TRAIL

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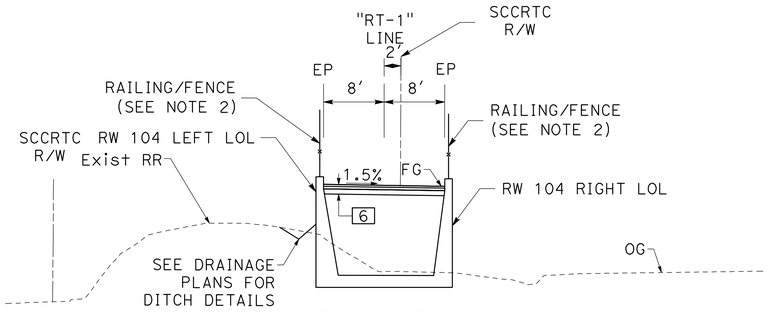

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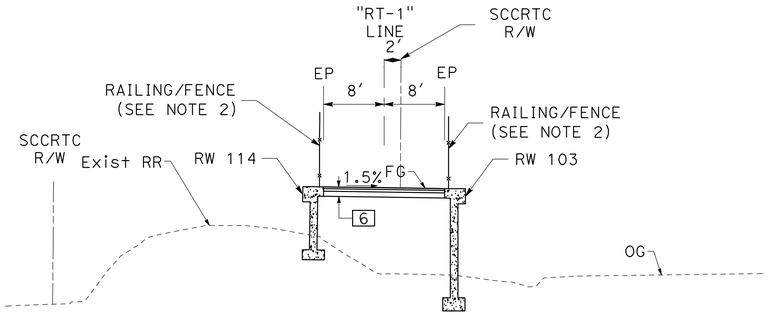

RAIL TRAIL

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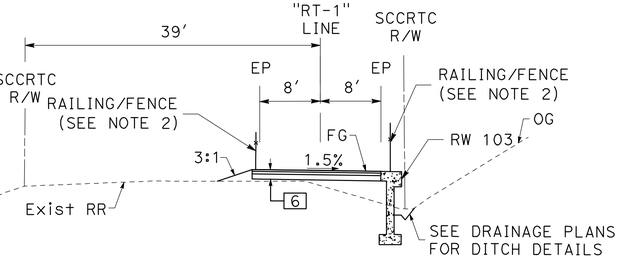
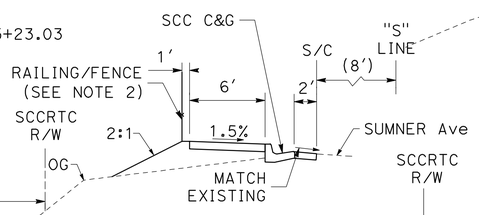
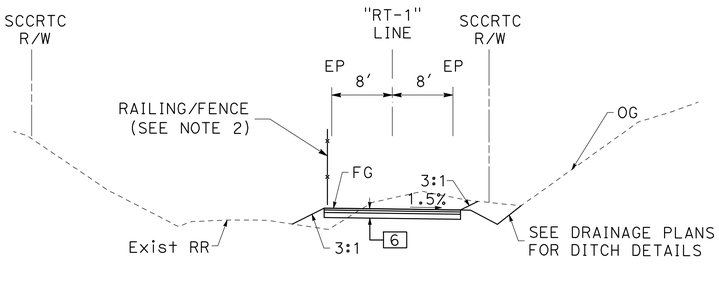


RAIL TRAIL

"RT-1" 1008+70.61 TO 1014+20.52

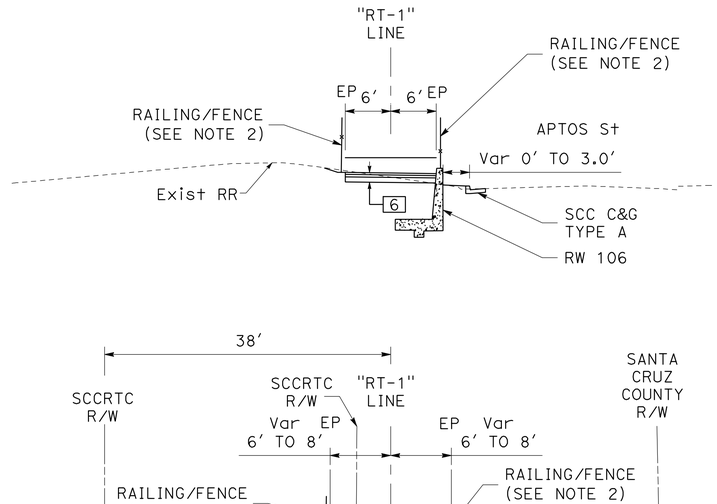


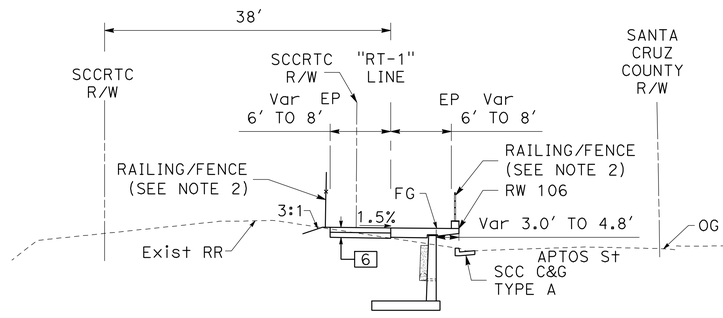
"S" 12+20.00 TO 14+68.00



RAIL TRAIL

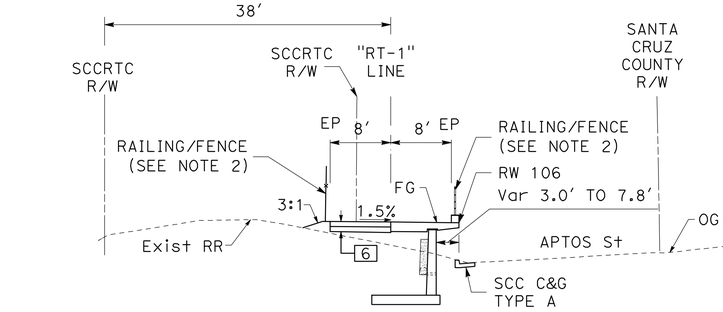
"RT-1" 1007+20.61 TO 1008+70.61





RAIL TRAIL

"RT-1" 1022+08.64 TO 1023+08.66



RAIL TRAIL

"RT-1" 1022+08.64 TO 1023+08.66

TYPICAL CROSS SECTIONS

NO SCALE

X-20

DRAFT - NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans®

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY

CHECKED BY: RACHEL YAZAWA

REVISED BY	DATE REVISED

LAST REVISION: 00-00-00 DATE PLOTTED =>8/30/2024 TIME PLOTTED =>3:59 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY DGN FILE => 0520000083ca020.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

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05	SCR	1	8.1/10.7	22	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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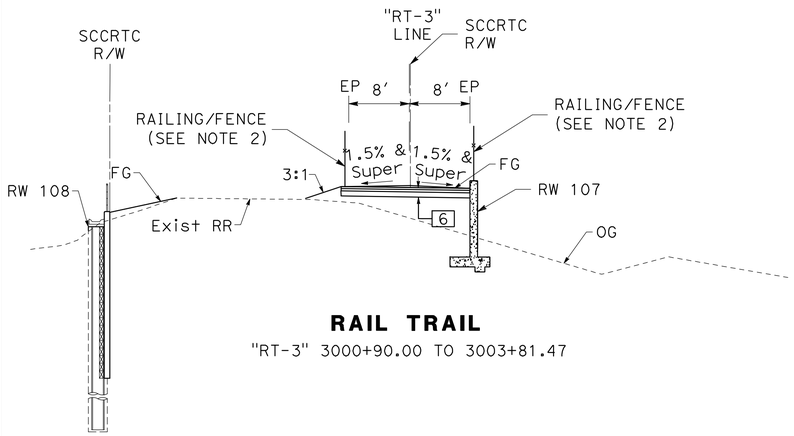
SANTA CRUZ, CA 95060



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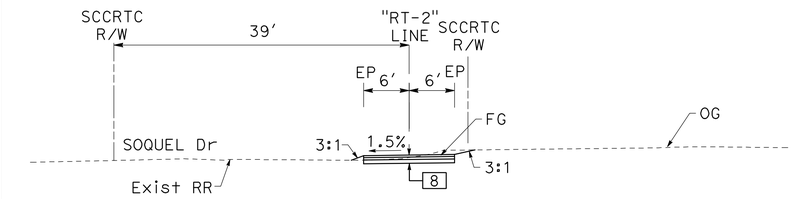

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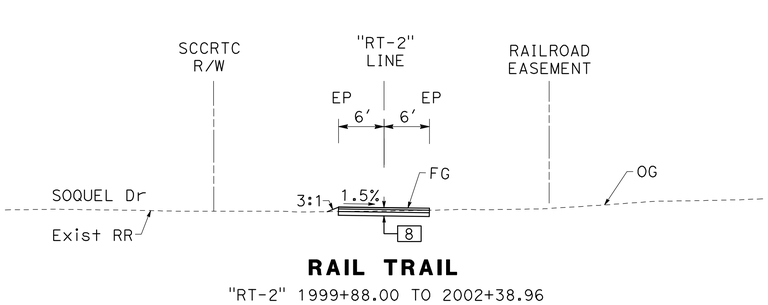

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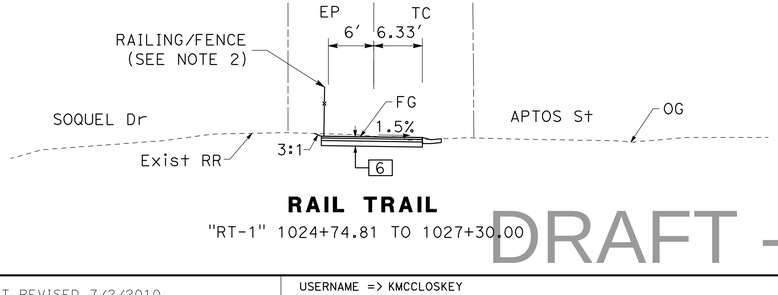
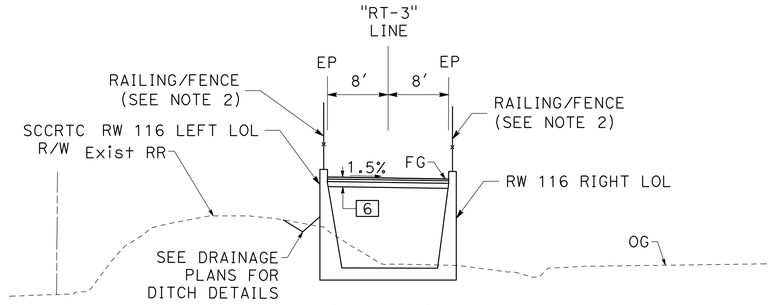
"RT-2" 1999+88.00 TO 2002+38.96



RAIL TRAIL

"RT-1" 1024+74.81 TO 1027+30.00



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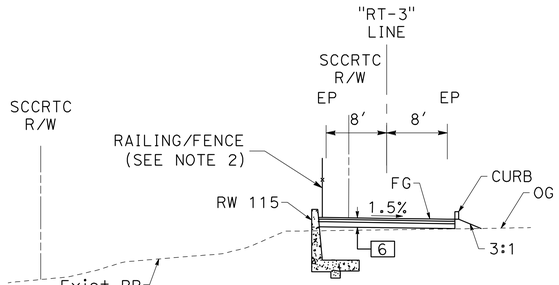

RAIL TRAIL

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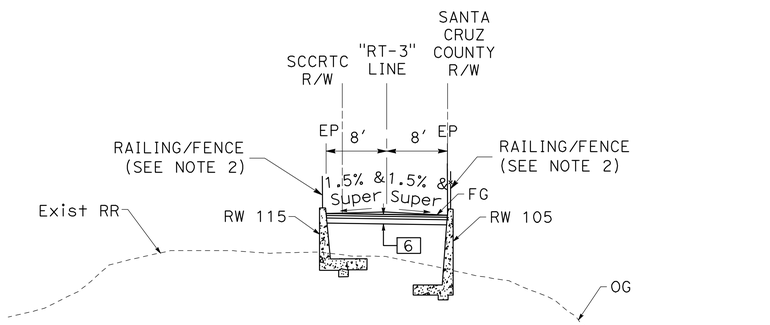

RAIL TRAIL

"RT-3" 3006+81.30 TO 3007+00.00

TYPICAL CROSS SECTIONS

NO SCALE

X-21

DRAFT - NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY

CHECKED BY: RACHEL YAZAWA

REVISED BY	DATE REVISED

LAST REVISION | DATE PLOTTED =>8/30/2024
00-00-00 | TIME PLOTTED =>3:57 PM

BORDER LAST REVISED 7/2/2010

USERNAME => KMCCLOSKEY
DGN FILE => 0520000083ca021.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

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95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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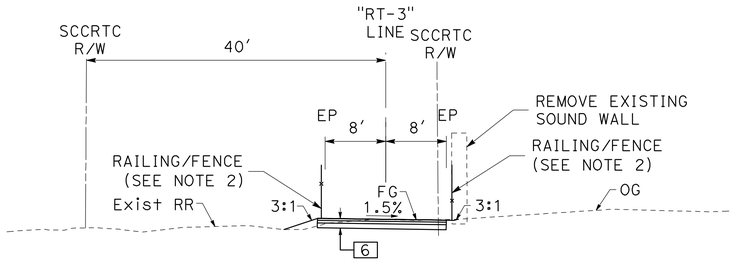
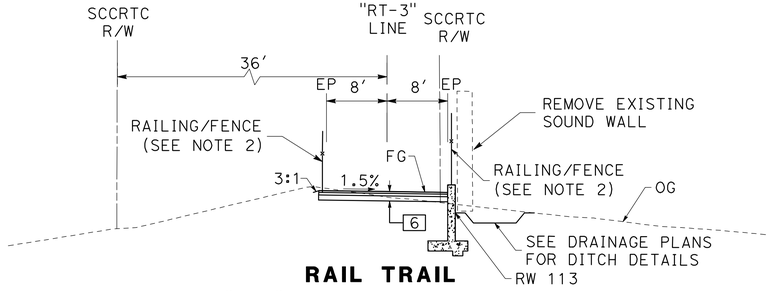
SANTA CRUZ, CA 95060



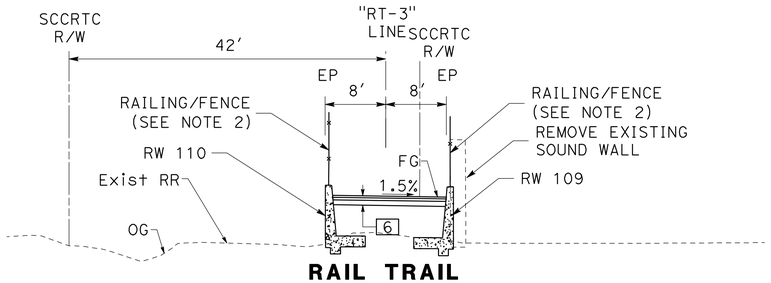
RAIL TRAIL

"RT-3" 3015+65.00 TO 3016+05.00
"RT-3" 3020+10.00 TO 3020+95.00
"RT-3" 3025+35.00 TO 3025+45.00



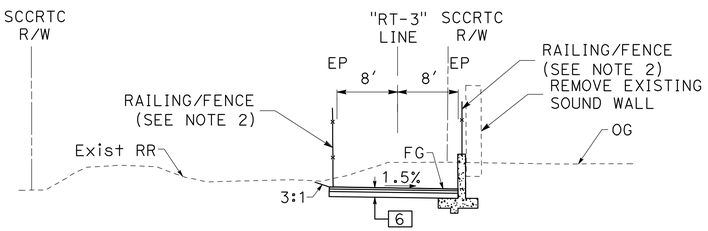
RAIL TRAIL

"RT-3" 3025+45.00 TO 3028+31.96



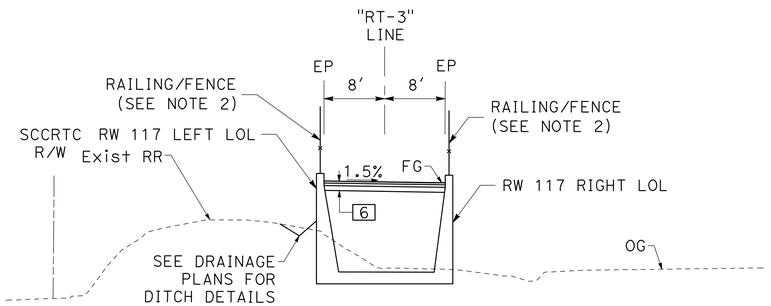
RAIL TRAIL

"RT-3" 3012+93.19 TO 3015+65.00



RAIL TRAIL

"RT-3" 3016+05.00 TO 3020+10.00
"RT-3" 3020+95.00 TO 3025+35.00



RAIL TRAIL

"RT-3" 3012+65.34 TO 3012+93.19

TYPICAL CROSS SECTIONS

NO SCALE

X-22

DRAFT - NOT FOR CONSTRUCTION

CALCULATED-DESIGNED BY
CHECKED BY
KIERNAN MCCLOSKEY
RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA
REVISED BY
DATE REVISED
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION
DATE PLOTTED =>9/6/2024
TIME PLOTTED =>8:09 AM
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => SSABIO
DGN FILE => 0520000083ca022.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	24	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

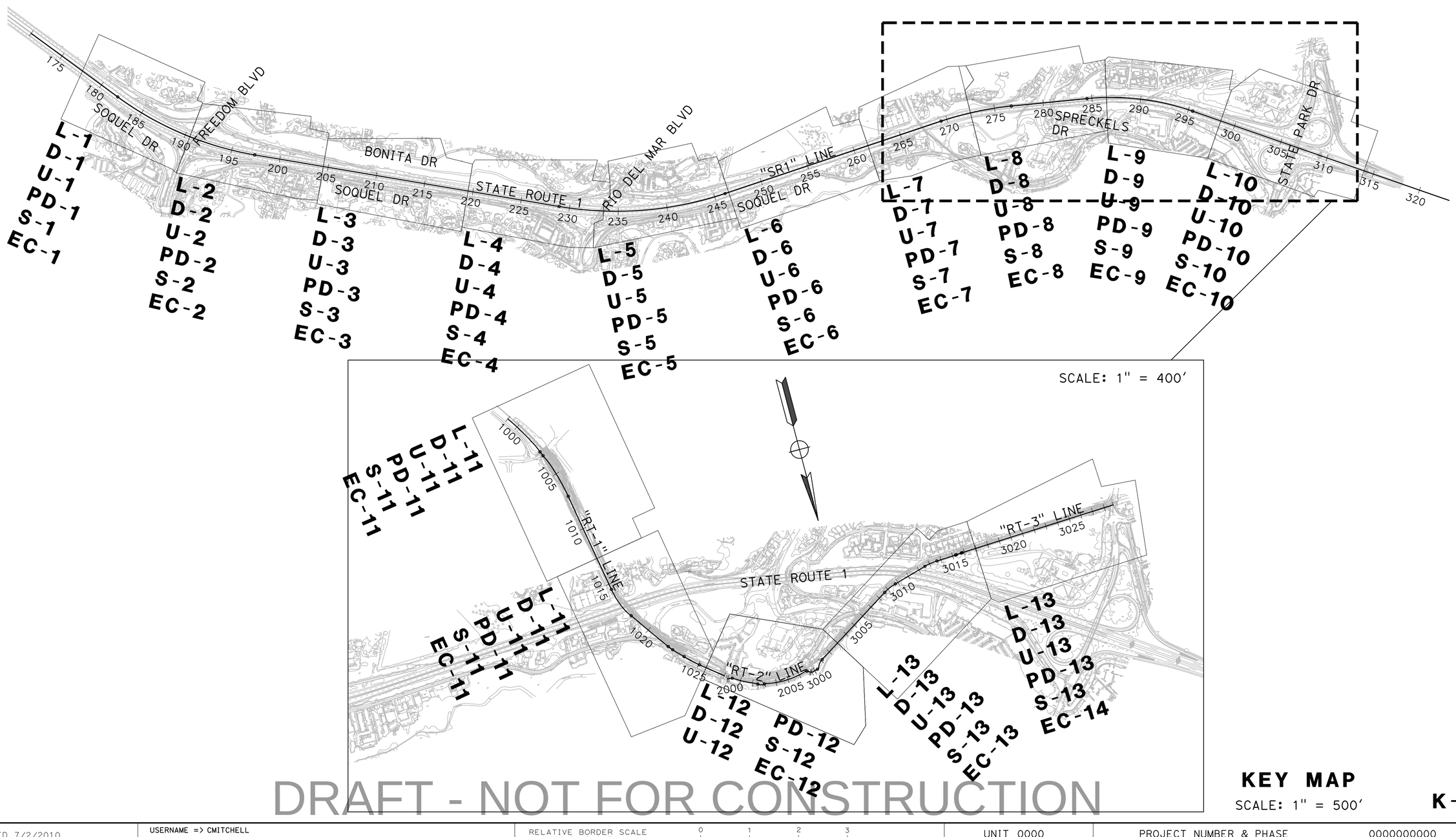
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIRA CASELLI
No. 86464
Exp. 03-31-25
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DRAFT - NOT FOR CONSTRUCTION

KEY MAP

SCALE: 1" = 500'

K-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY

CANDICE MITCHELL

CHECKED BY

KIRA CASELLI

CONSULTANT FUNCTIONAL SUPERVISOR

ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION: DATE PLOTTED =>8/29/2024
00-00-00 TIME PLOTTED =>3:21 PM

BORDER LAST REVISED 7/2/2010

USERNAME => CMITCHELL
DGN FILE => 0520000083da001.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	25	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LIC#5577
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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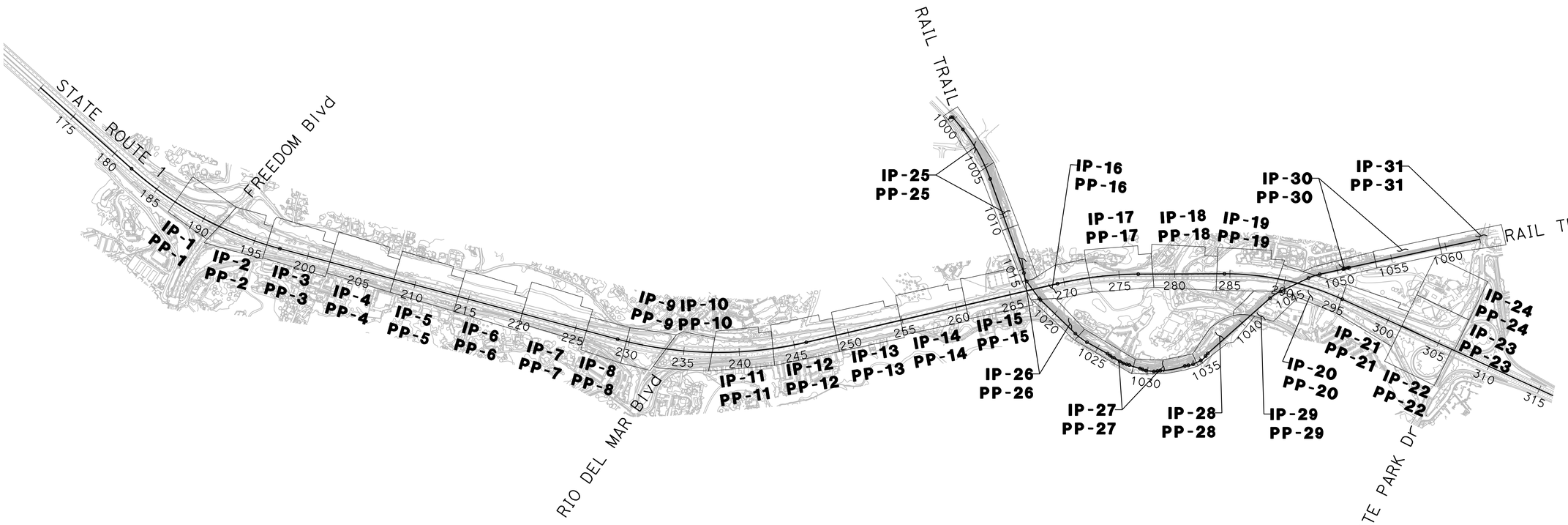
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



LANDSCAPE KEY MAP

SCALE: 1" = 500'

K-2

DRAFT - NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 28-Aug-24
00-00-00 | TIME PLOTTED => 09:12

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sc001.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	37	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY

CHECKED BY: RACHEL YAZAWA

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

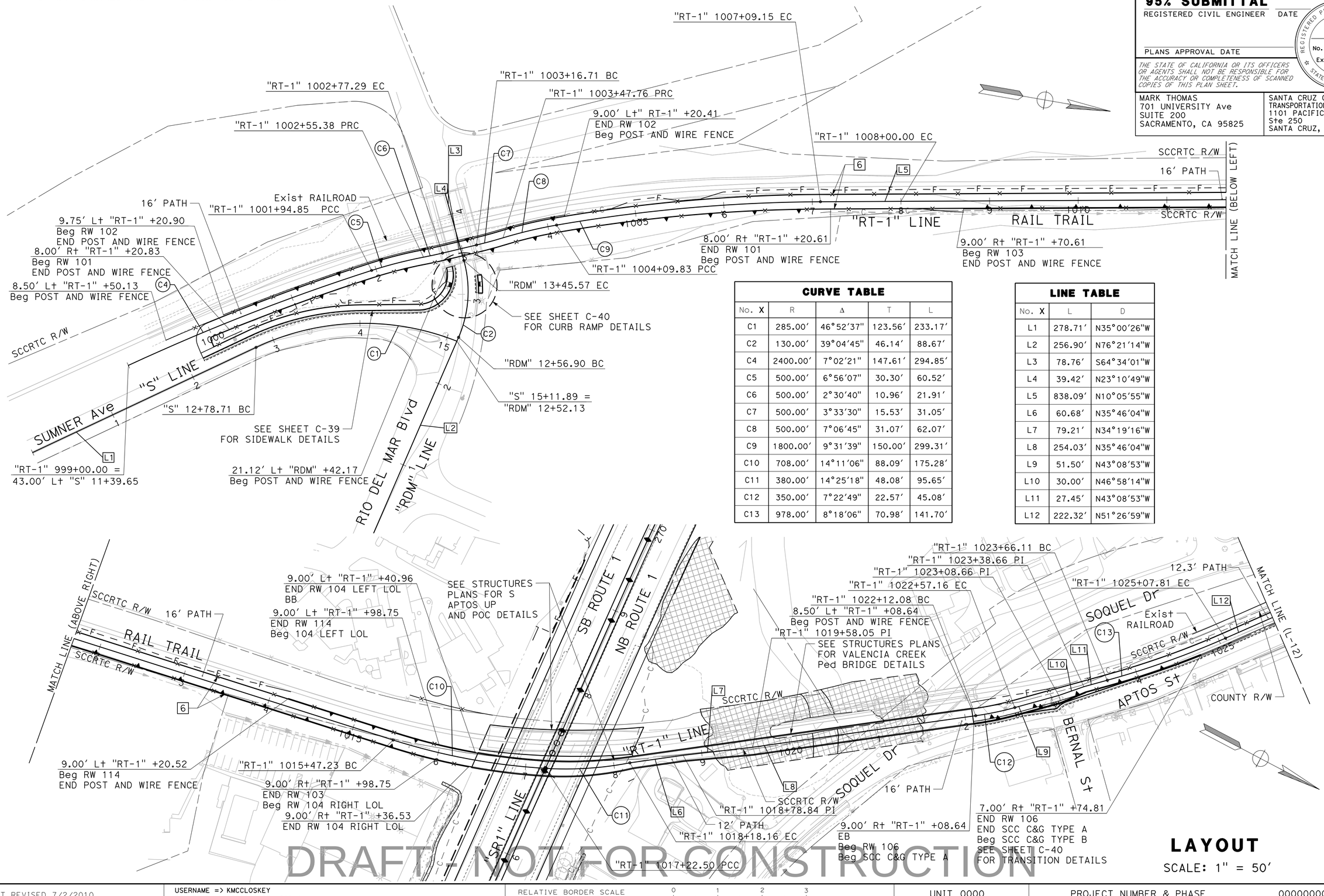
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

BUILDING REMOVAL

ENVIRONMENTALLY SENSITIVE AREA (ESA)



CURVE TABLE

No. X	R	Δ	T	L
C1	285.00′	46°52′37"	123.56′	233.17′
C2	130.00′	39°04′45"	46.14′	88.67′
C4	2400.00′	7°02′21"	147.61′	294.85′
C5	500.00′	6°56′07"	30.30′	60.52′
C6	500.00′	2°30′40"	10.96′	21.91′
C7	500.00′	3°33′30"	15.53′	31.05′
C8	500.00′	7°06′45"	31.07′	62.07′
C9	1800.00′	9°31′39"	150.00′	299.31′
C10	708.00′	14°11′06"	88.09′	175.28′
C11	380.00′	14°25′18"	48.08′	95.65′
C12	350.00′	7°22′49"	22.57′	45.08′
C13	978.00′	8°18′06"	70.98′	141.70′

LINE TABLE

No. X	L	D
L1	278.71′	N35°00′26"W
L2	256.90′	N76°21′14"W
L3	78.76′	S64°34′01"W
L4	39.42′	N23°10′49"W
L5	838.09′	N10°05′55"W
L6	60.68′	N35°46′04"W
L7	79.21′	N34°19′16"W
L8	254.03′	N35°46′04"W
L9	51.50′	N43°08′53"W
L10	30.00′	N46°58′14"W
L11	27.45′	N43°08′53"W
L12	222.32′	N51°26′59"W

DRAFT - NOT FOR CONSTRUCTION

LAYOUT

SCALE: 1" = 50′

L-11

LAST REVISION | DATE PLOTTED =>9/9/2024 | TIME PLOTTED =>4:12 PM | 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	38	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

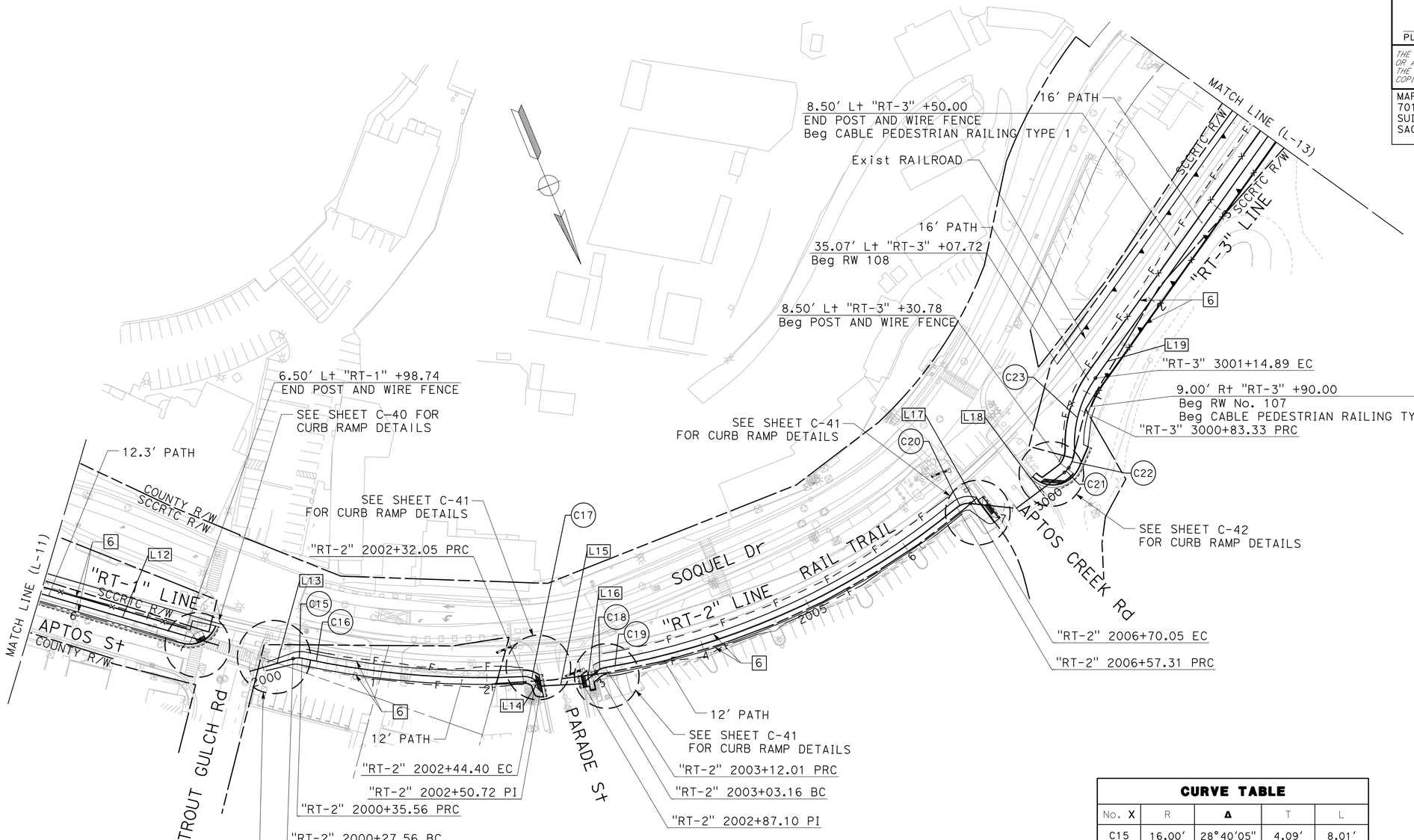
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

BUILDING REMOVAL

ENVIRONMENTALLY SENSITIVE AREA (ESA)



LINE TABLE

No. X	L	D
L13	39.67'	N84°02'30"W
L14	6.31'	N26°08'49"W
L15	36.38'	N70°37'34"W
L16	16.06'	S71°10'49"W
L17	21.17'	N61°27'28"W
L18	52.64'	S75°31'30"W
L19	750.00'	S57°52'10"W

CURVE TABLE

No. X	R	Δ	T	L
C15	16.00'	28°40'05"	4.09'	8.01'
C16	750.00'	15°00'38"	98.81'	196.49'
C17	16.00'	44°14'14"	6.50'	12.35'
C18	16.00'	31°41'30"	4.54'	8.85'
C19	660.50'	29°57'14"	176.70'	345.30'
C20	16.00'	45°37'27"	6.73'	12.74'
C21	17.00'	19°19'26"	2.89'	5.73'
C22	30.00'	35°47'12"	9.69'	18.74'
C23	100.00'	37°27'18"	33.90'	65.37'

DRAFT - NOT FOR CONSTRUCTION

LAYOUT

SCALE: 1" = 50'

L-12

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>8/30/2024
00-00-00 | TIME PLOTTED =>4:14 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083ea012.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

BUILDING REMOVAL

ENVIRONMENTALLY SENSITIVE AREA (ESA)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	39	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

"RT-3" +80.11
BB
SCCRTC R/W
SCCRTC R/W
33.35' Lt "RT-3" +16.15
END RW 108
MATCH LINE (L-12)
"RT-3" LINE
Exist RAILROAD
"RT-3" +82.77
EB
9.00' Lt "RT-3" +84.30
Beg RW 115
Beg CABLE PEDESTRIAN RAILING TYPE 2
9.00' Lt "RT-3" +94.05
END RW 115
END CABLE PEDESTRIAN RAILING TYPE 2
Beg RW 116 Lt LOL
9.00' Lt "RT-3" +01.92
END RW 116 Lt LOL
BB
"RT-3" 3012+57.40 BC
9.00' Lt "RT-3" +65.34
Beg RW 117 Lt LOL
9.00' Lt "RT-3" +93.19
END RW 117 Lt LOL
Beg RW 110
Beg CABLE PEDESTRIAN RAILING TYPE 2
"RT-3" 3015+82.15 EC
"RT-3" 3015+74.93 BC
"RT-3" 3015+31.75 EC
"RT-3" 3015+24.94 BC
8.75' Lt "RT-3" +80.00
END RW 110
END CABLE PEDESTRIAN RAILING TYPE 1
Beg POST AND WIRE FENCE
16' PATH
SCCRTC R/W
COUNTY R/W
8.50' Lt "RT-3" +80.11
END CABLE PEDESTRIAN RAILING TYPE 1
9.00' Rt "RT-3" +78.64
END RW 107
END CABLE PEDESTRIAN RAILING TYPE 2
SEE STRUCTURES PLANS FOR
APTOS CREEK Ped BRIDGE DETAILS
SOQUEL Dr
"RT-3" 3008+64.89 BC
9.00' R+ "RT-3" +00.00
END RW 105
Beg CURB
"RT-3" 3009+76.51 EC
9.00' Rt "RT-3" +84.30
Beg RW 105
Beg CABLE PEDESTRIAN RAILING TYPE 2
9.00' Rt "RT-3" +94.05
END CABLE PEDESTRIAN RAILING TYPE 2
Beg RW 116 Rt LOL
9.00' Rt "RT-3" +21.83
END CURB
END RW 116 Rt LOL
SEE STRUCTURES PLANS FOR N
APTOS UP AND POC DETAILS
9.00' Rt "RT-3" +83.71
EB
Beg RW 117 Rt LOL
9.00' Rt "RT-3" +93.19
END RW 117 Rt LOL
Beg RW 109
Beg CABLE PEDESTRIAN
RAILING TYPE 2
"RT-3" 3013+65.04 EC
31.09' Rt "RT-3" +63.26
Beg REMOVE SOUND WALL
RAIL TRAIL
"SR1" LINE
16' PATH
R/W
8.00' Rt "RT-3" +65.00
END RW 109
END CABLE PEDESTRIAN RAILING TYPE 2
Beg POST AND WIRE FENCE
8.00' Rt "RT-3" +05.00
Beg RW 111
END POST AND WIRE FENCE
Beg CABLE RAILING
NB ROUTE 1
SB ROUTE 1
MATCH LINE (BELOW LEFT)
SCCRTC R/W
COUNTY R/W
L19
L20
L21
L22
L23
C24
C25
C26
C27
C28

MATCH LINE (ABOVE RIGHT)
SCCRTC R/W
16' PATH
"RT-3" LINE
Exist RAILROAD
RAIL TRAIL
SCCRTC R/W
SCCRTC R/W
8.00' Rt "RT-3" +10.00
END RW 111
8.00' Rt "RT-3" +95.00
Beg RW 112
8.00' Rt "RT-3" +35.00
END RW 112
9.00' Rt" RT-3" +45.00
END CABLE RAILING
Beg RW 113
Beg CABLE PED RAILING TYPE 2
8.50' Lt "RT-3" +34.98
END POST AND WIRE FENCE
"SP" LINE
STATE PARK Dr
"RT-3" 3028+77.40 =
"SP" 11+45.38
SCCRTC R/W
16' PATH
SCCRTC R/W
30.34' Rt "RT-3" +60.65
END Rem SOUND WALL
9.00' Rt "RT-3" +22.14
END RW 113
43.91' Rt "SP" +15.68
END CABLE PED
RAILING TYPE 2
SEE SHEET C-42
FOR CURB RAMP DETAILS
"SP" 12+99.04 BC
COUNTY R/W
SEA RIDGE Rd

CURVE TABLE

No. X	R	Δ	T	L
C24	393.00'	16°16'23"	56.19'	111.62'
C25	475.00'	12°59'02"	54.05'	107.64'
C26	200.00'	1°57'02"	3.40'	6.81'
C27	200.00'	2°04'04"	3.61'	7.22'
C28	1000.00'	17°08'02"	150.65'	299.04'

LINE TABLE

No. X	L	D
L19	750.00'	S57°52'10"W
L20	280.89'	S74°08'33"W
L21	159.90'	S87°07'35"W
L22	43.18'	S85°10'33"W
L23	1295.25'	S87°14'38"W
L24	192.06'	N9°24'53"E

LAYOUT

SCALE: 1" = 50'

L-13

DRAFT NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED

KIERNAN MCCLOSKEY | RACHEL YAZAWA

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED =>9/9/2024 | TIME PLOTTED =>4:14 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	63	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

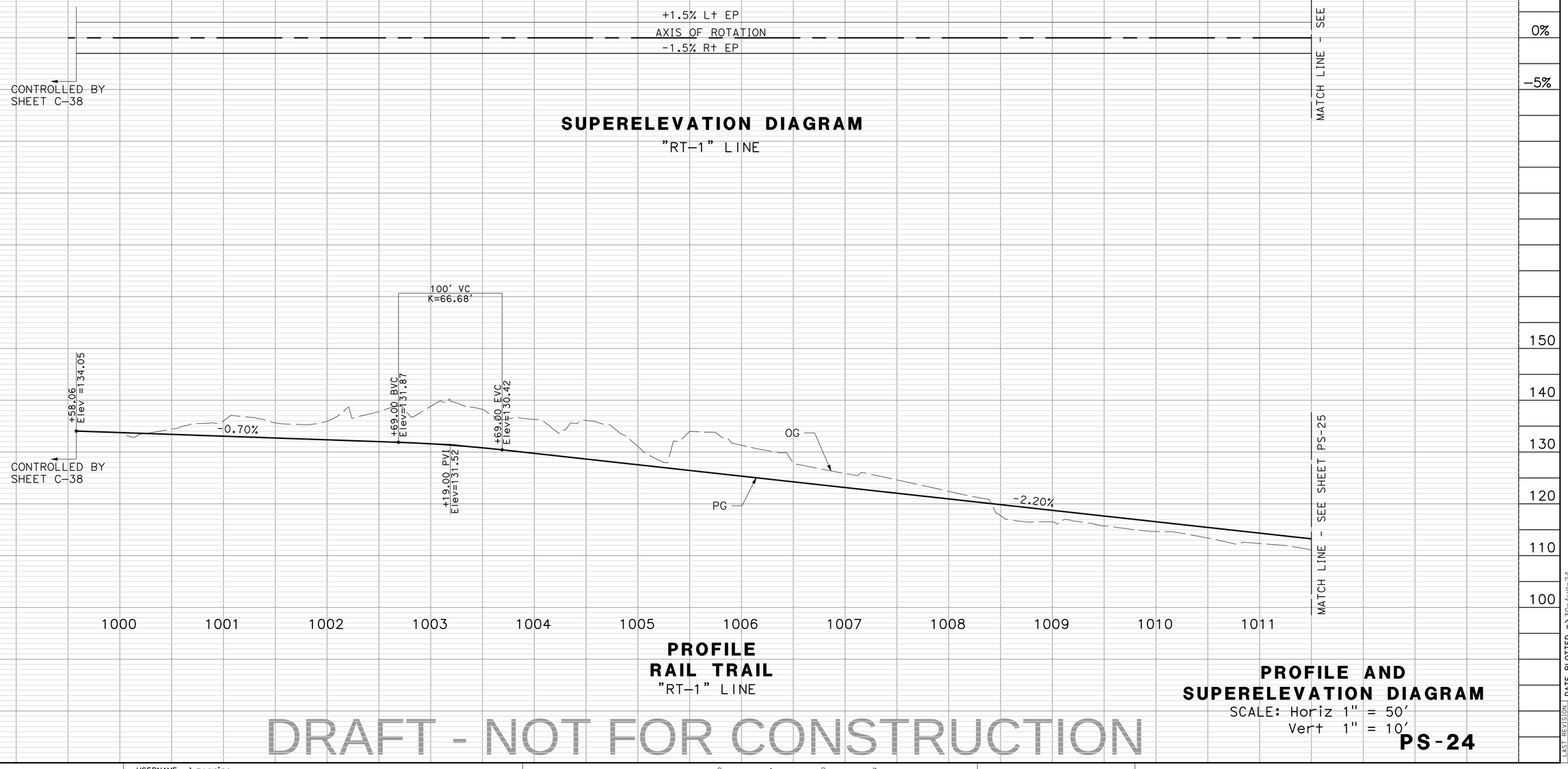
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



SUPERELEVATION DIAGRAM
"RT-1" LINE

PROFILE
RAIL TRAIL
"RT-1" LINE

PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1" = 50'
Vert 1" = 10'

DRAFT - NOT FOR CONSTRUCTION

PS-24

LAST REVISION 00-00-00 | DATE PLOTTED => 30-Aug-24 | TIME PLOTTED => 10:33

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	64	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

RACHEL YAZAWA No. 94051 Exp. 09-30-24 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

MATCH LINE - SEE SHEET PS-24

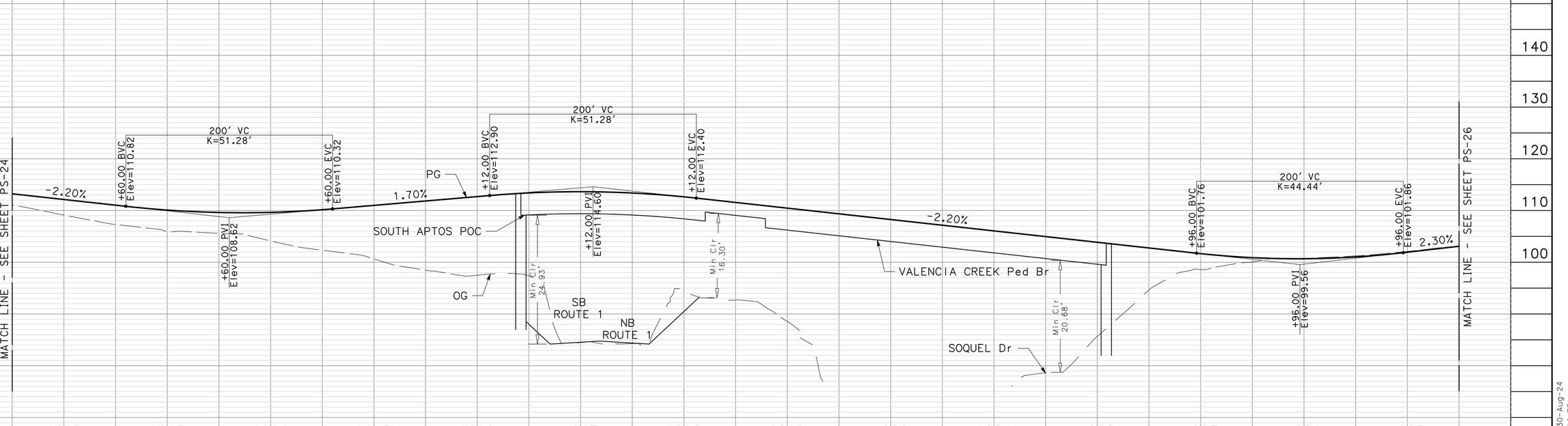
MATCH LINE - SEE SHEET PS-26

+1.5% L+ EP
AXIS OF ROTATION
-1.5% R+ EP

5% | 0% | -5%

SUPERELEVATION DIAGRAM

"RT-1" LINE



PROFILE
RAIL TRAIL
"RT-1" LINE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 50'
Vert 1" = 10'

PS-25

DRAFT - NOT FOR CONSTRUCTION

LAST REVISION DATE PLOTTED => 30-Aug-24
00-00-00 TIME PLOTTED => 10:33

BORDER LAST REVISED 7/2/2010

USERNAME => kmccloskey
DGN FILE => 0520000083fb025.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 05180001161

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	65	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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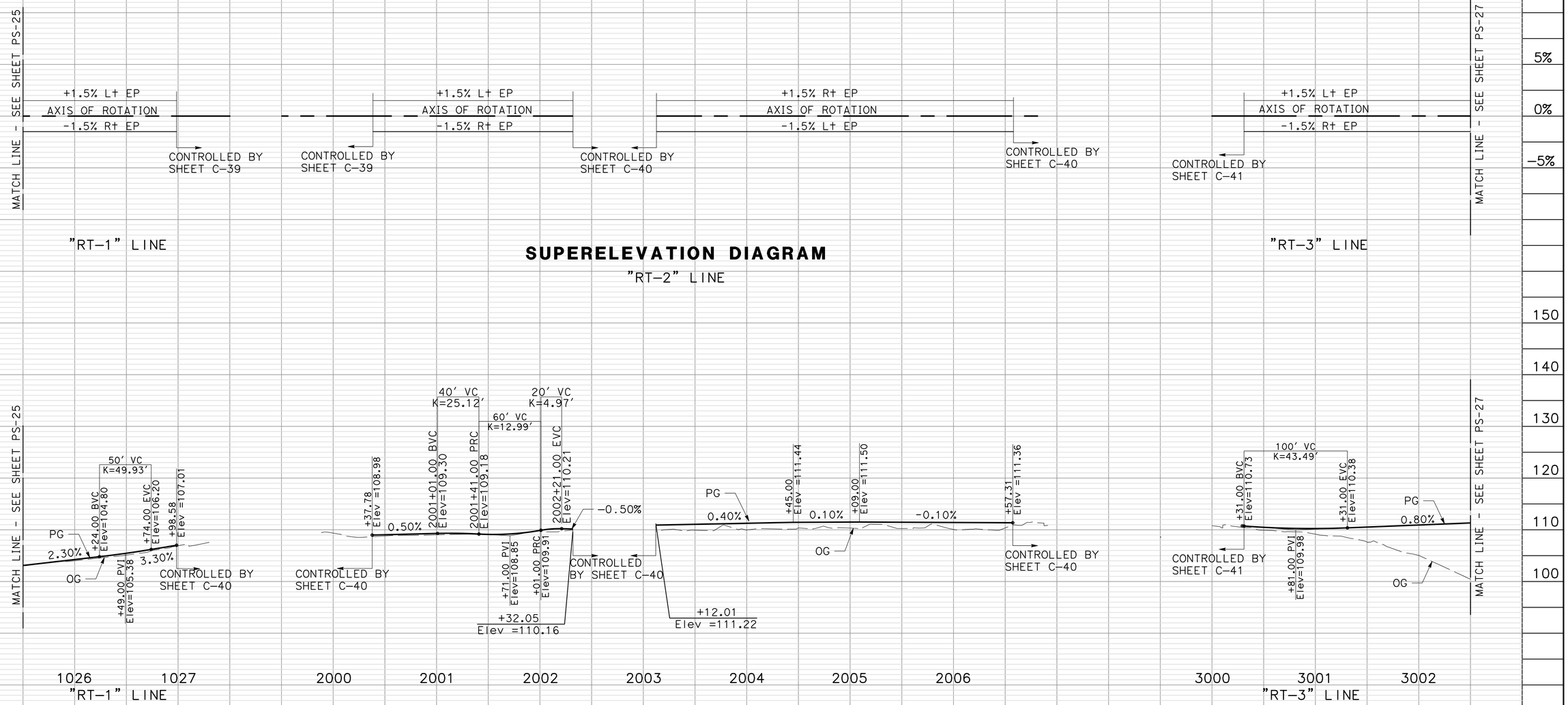
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



SUPERELEVATION DIAGRAM

"RT-2" LINE

PROFILE
RAIL TRAIL
"RT-2" LINE

PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1" = 50'
Vert 1" = 10'

PS-26

DRAFT - NOT FOR CONSTRUCTION

LAST REVISION 00-00-00 | DATE PLOTTED => 30-Aug-24 | TIME PLOTTED => 10:34

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	66	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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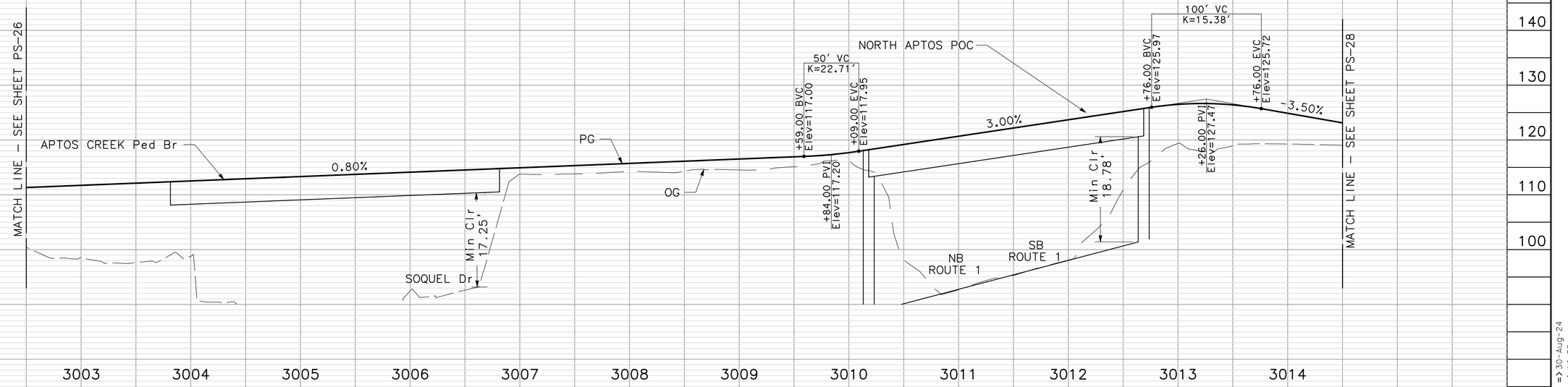
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

SUPERELEVATION DIAGRAM

"RT–3" LINE



PROFILE
RAIL TRAIL
"RT–3" LINE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 50'
Vert 1" = 10'

PS-27

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00 | DATE PLOTTED => 30-Aug-24 | TIME PLOTTED => 10:35

BORDER LAST REVISED 7/2/2010 | USERNAME => zcarino | DGN FILE => 0520000083fb027.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 05180001161

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	67	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

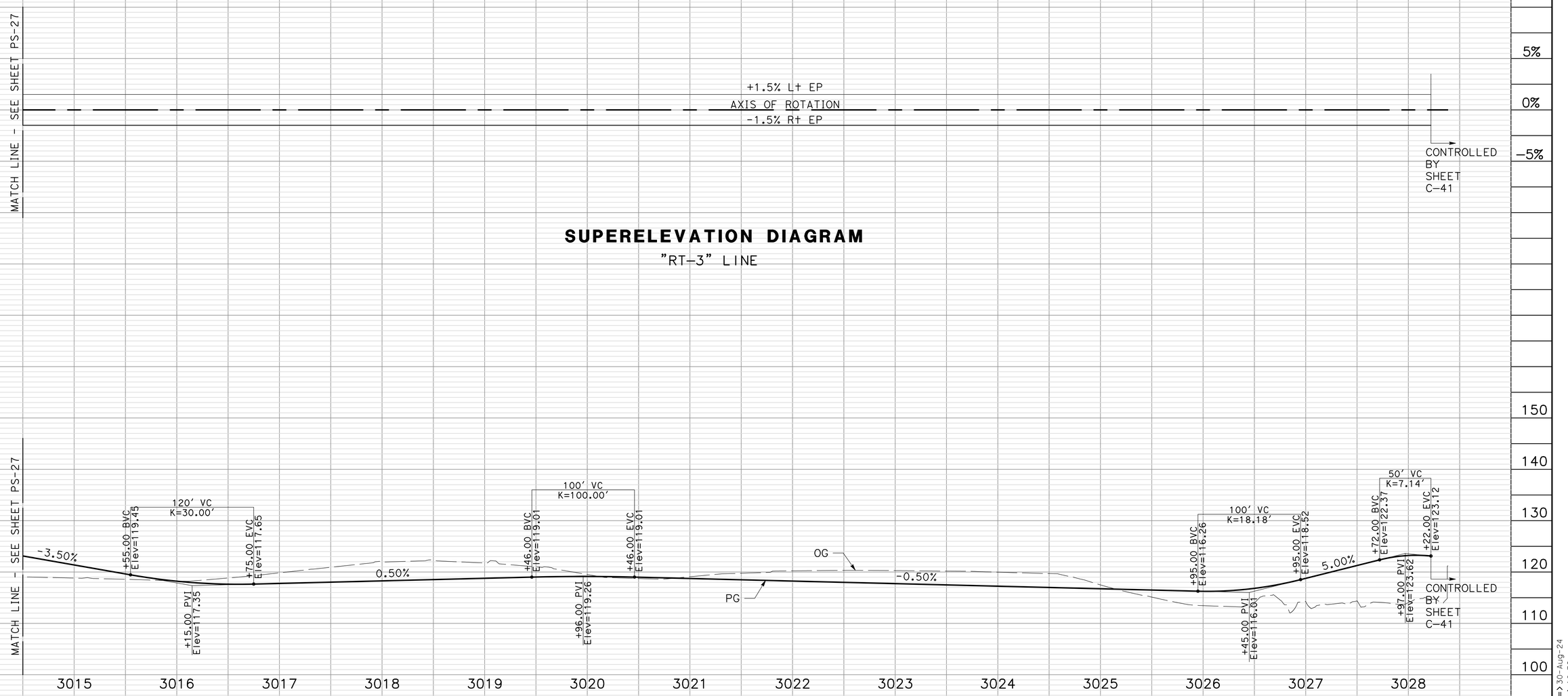
CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAM

"RT-3" LINE



PROFILE RAIL TRAIL

"RT-3" LINE

DRAFT - NOT FOR CONSTRUCTION

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 50'
Vert 1" = 10'

PS-28

LAST REVISION 00-00-00 | DATE PLOTTED => 30-Aug-24 | TIME PLOTTED => 10:36

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	106	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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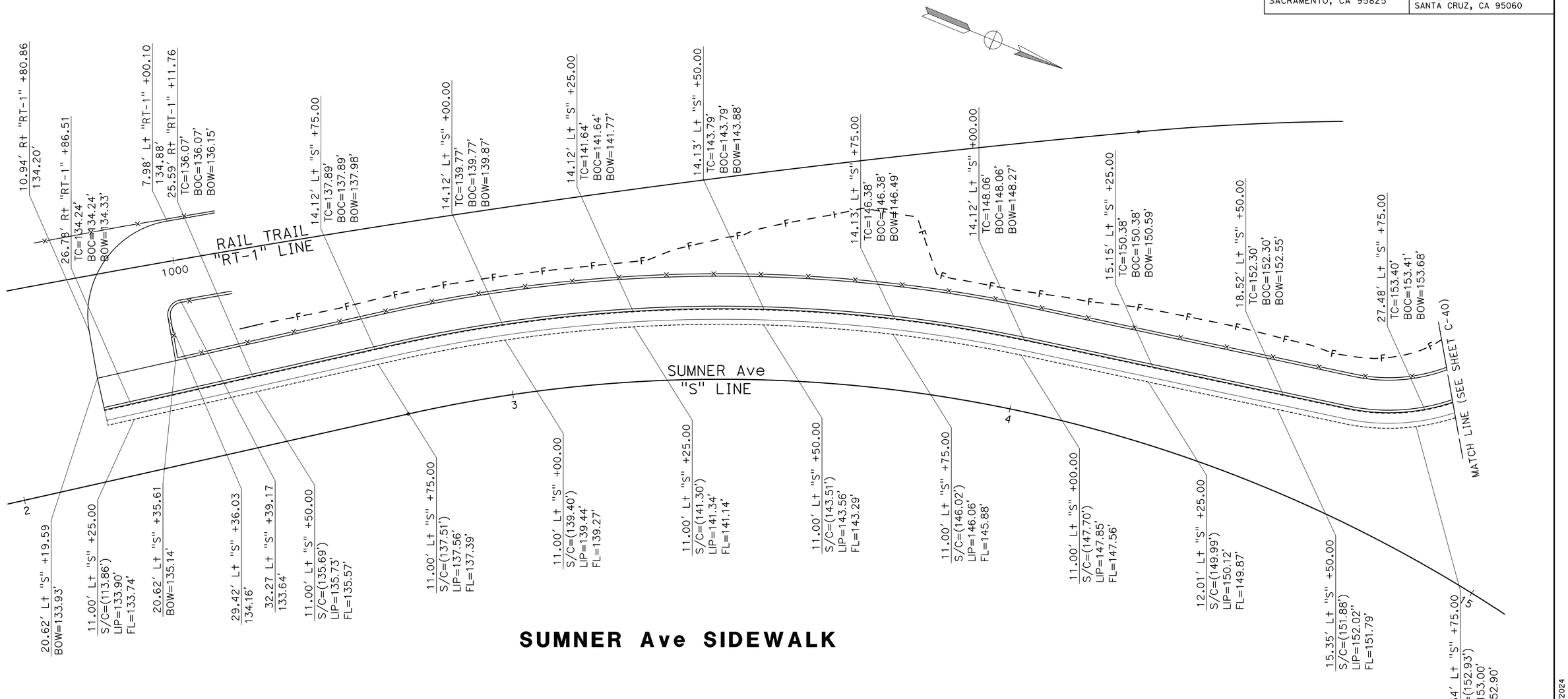


SUMNER Ave SIDEWALK

DRAFT - NOT FOR CONSTRUCTION

CONSTRUCTION DETAILS

SCALE: 1" = 10'

C-39

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED =>9/3/2024
00-00-00 TIME PLOTTED =>2:53 PM

BORDER LAST REVISED 7/2/2010

USERNAME => KMCCLOSKEY
DGN FILE => 0520000083ga039.dwg

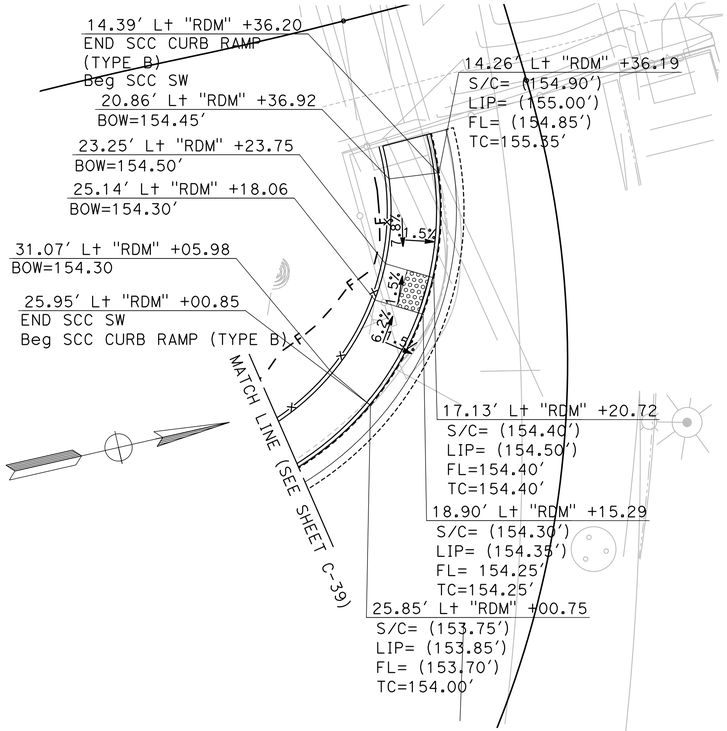
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



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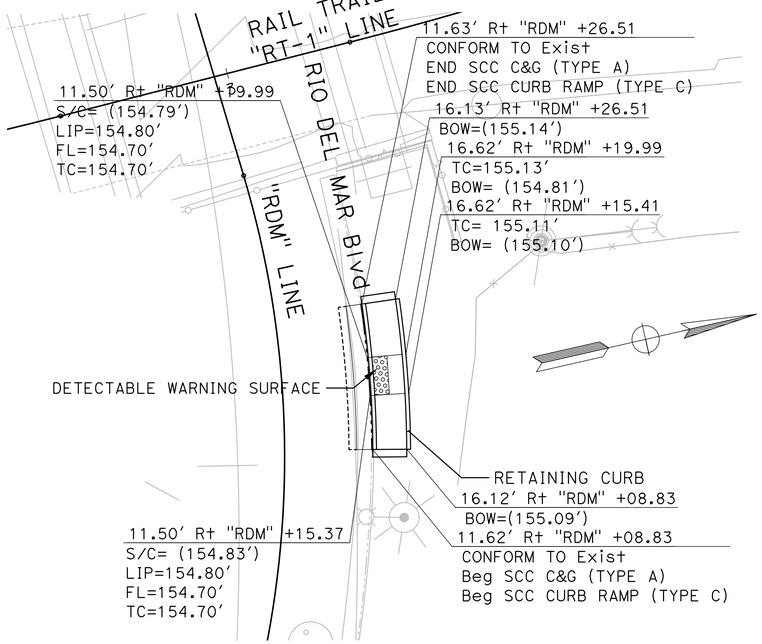
SCC CURB RAMP TYPE B



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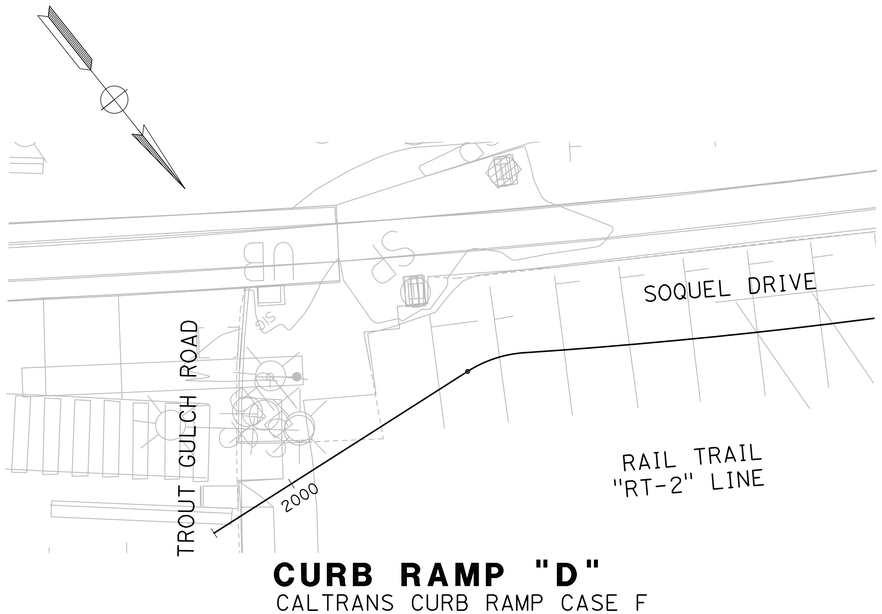
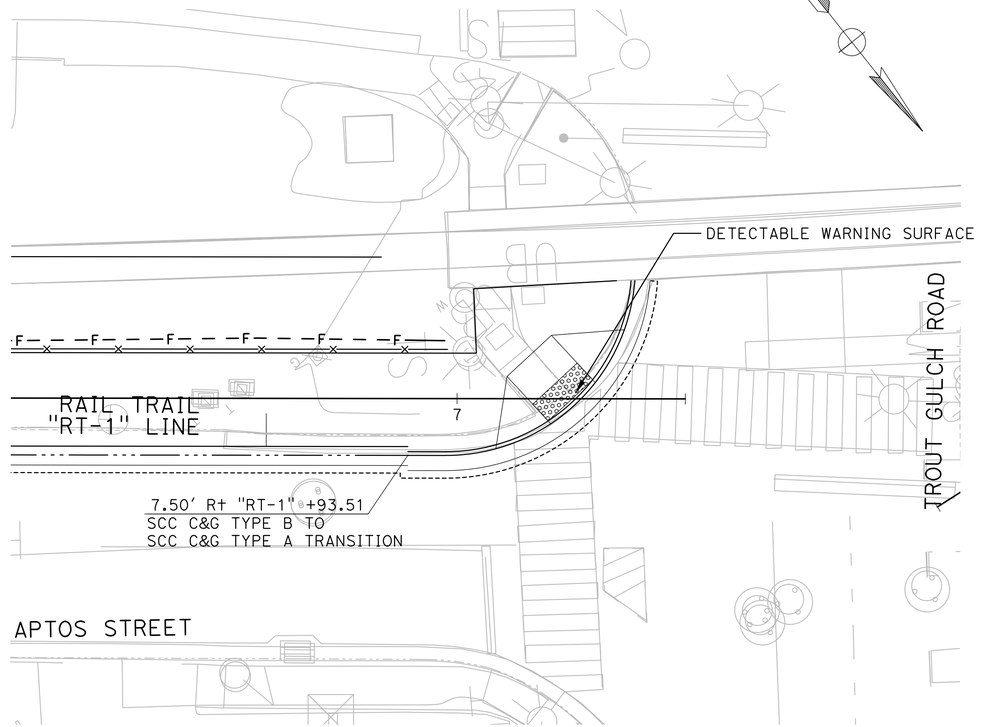


CURB RAMP "D"
CALTRANS CURB RAMP CASE F



CURB RAMP "C"
SCC CURB RAMP TYPE D

SCC TYPE A C&G TO SCC TYPE B C&G TRANSITION
NO SCALE

DRAFT - NOT FOR CONSTRUCTION

CONSTRUCTION DETAILS
SCALE: 1" = 10′

C-40

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	107	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp.09-30-24 — CIVIL — STATE OF CALIFORNIA

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED =>9/3/2024 | TIME PLOTTED =>2:54 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	108	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. — Exp. — CIVIL — STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
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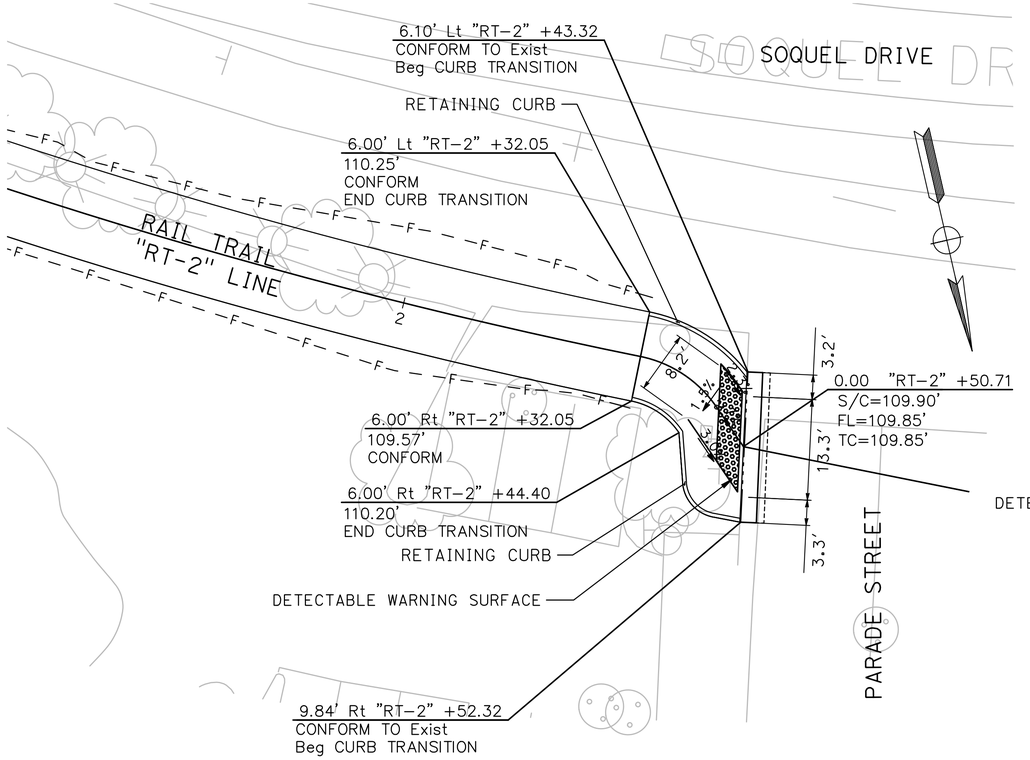
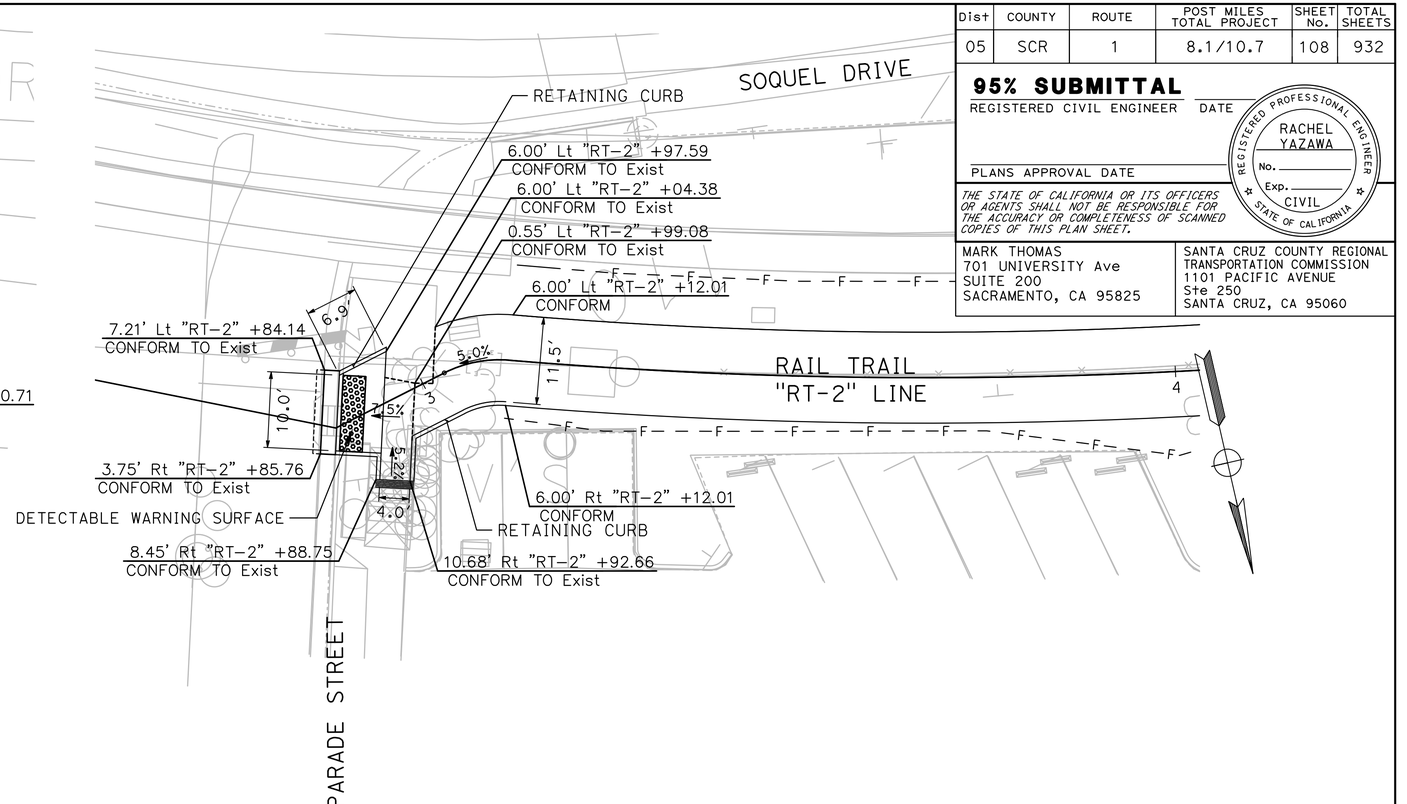
SANTA CRUZ, CA 95060



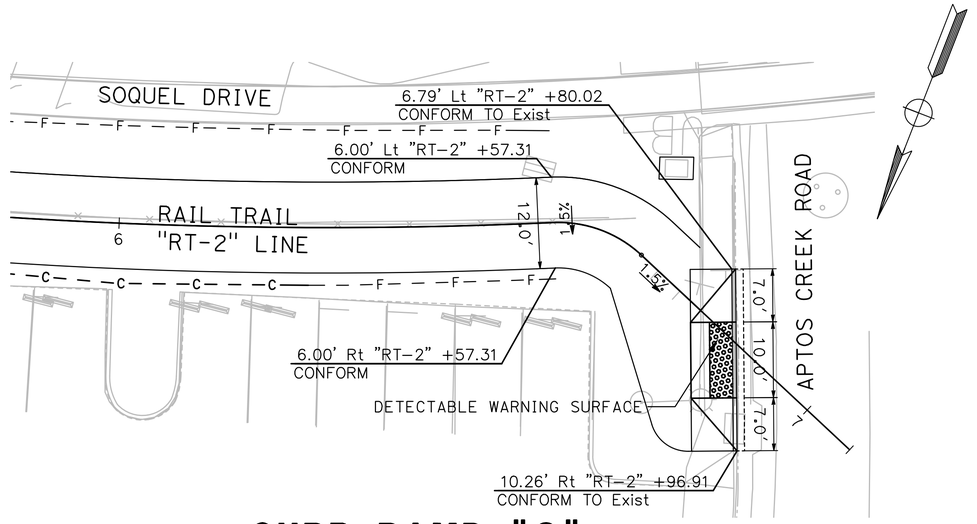


CURB RAMP "E"

CALTRANS CURB RAMP
CASE F

CURB RAMP "F"

SCC CURB RAMP TYPE D



CURB RAMP "G"

SCC CURB RAMP TYPE D

CONSTRUCTION DETAILS

SCALE: 1" = 10'

C-41

DRAFT - NOT FOR CONSTRUCTION

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00 | DATE PLOTTED =>9/3/2024 | TIME PLOTTED =>2:54 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => [illegible] | DGN FILE => [illegible] | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	109	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. — Exp. — CIVIL — STATE OF CALIFORNIA

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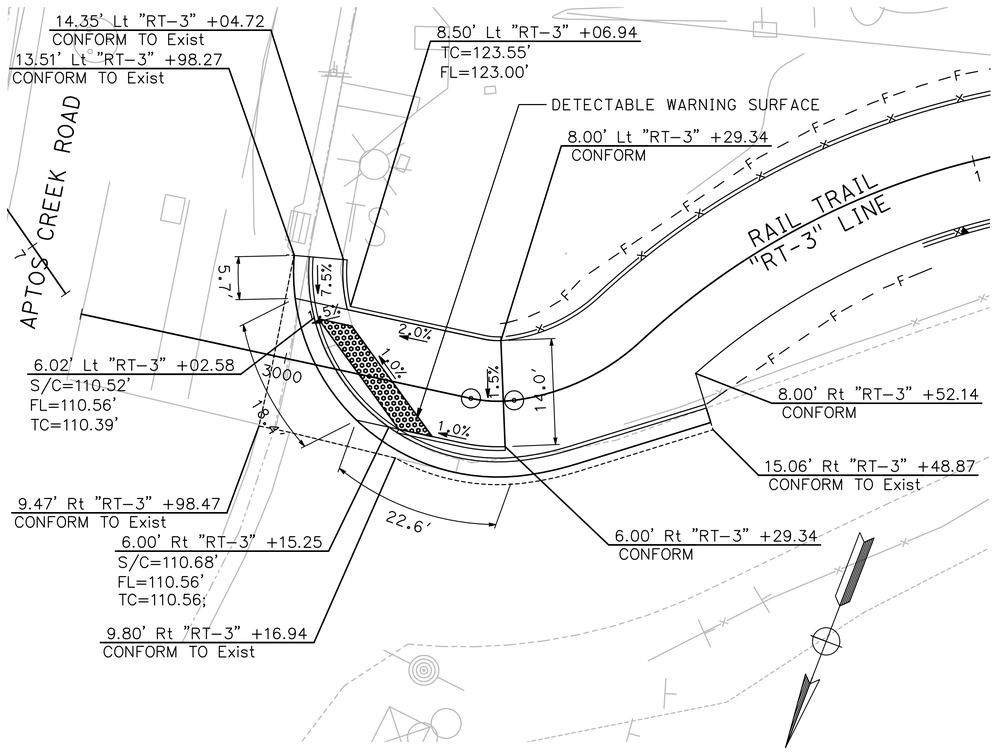
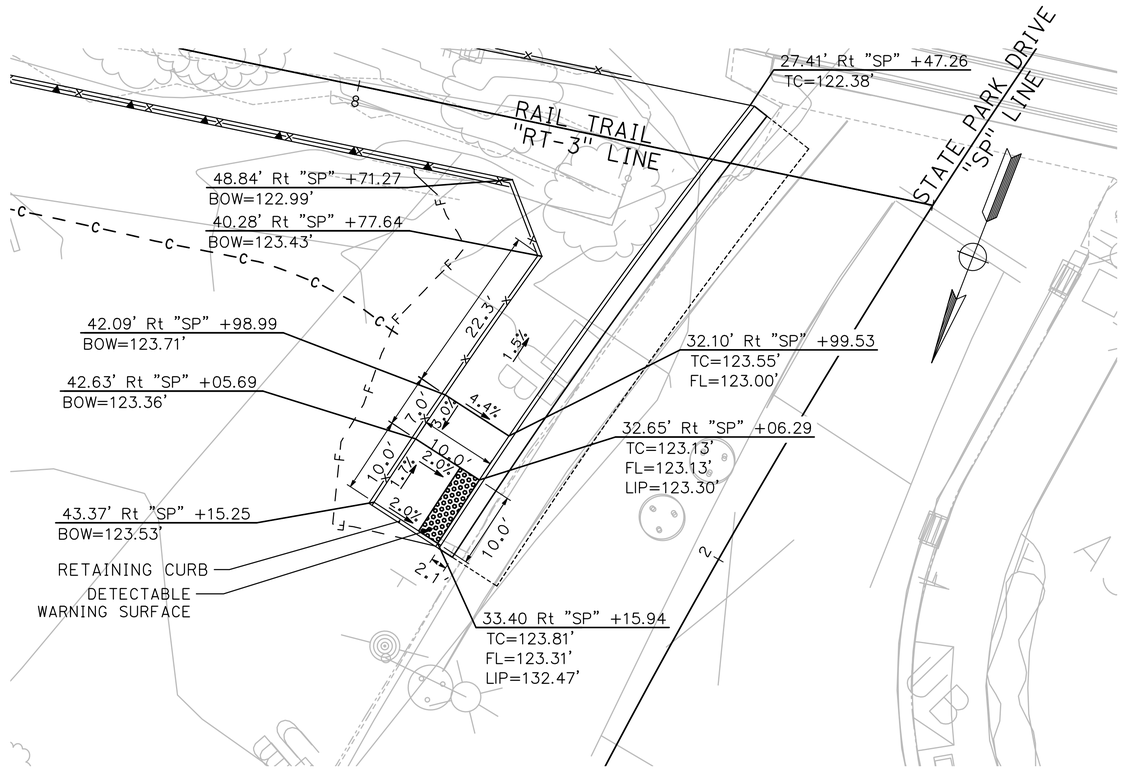
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



CURB RAMP "H"
CALTRANS CURB RAMP
CASE F



CURB RAMP "I"
CALTRANS CURB RAMP
CASE C

CONSTRUCTION DETAILS
SCALE: 1" = 10'

C-42

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED
KIERNAN MCCLOSKEY | RACHEL YAZAWA
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>9/3/2024
00-00-00 | TIME PLOTTED =>2:55 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	110	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. — Exp. — CIVIL — STATE OF CALIFORNIA

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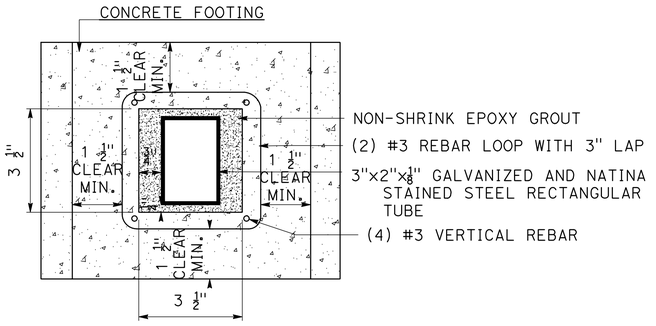
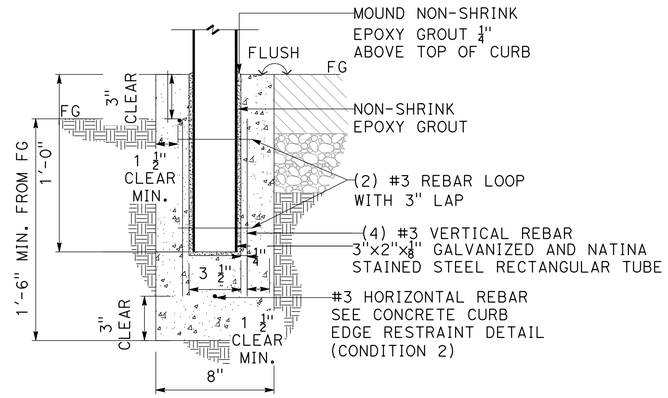
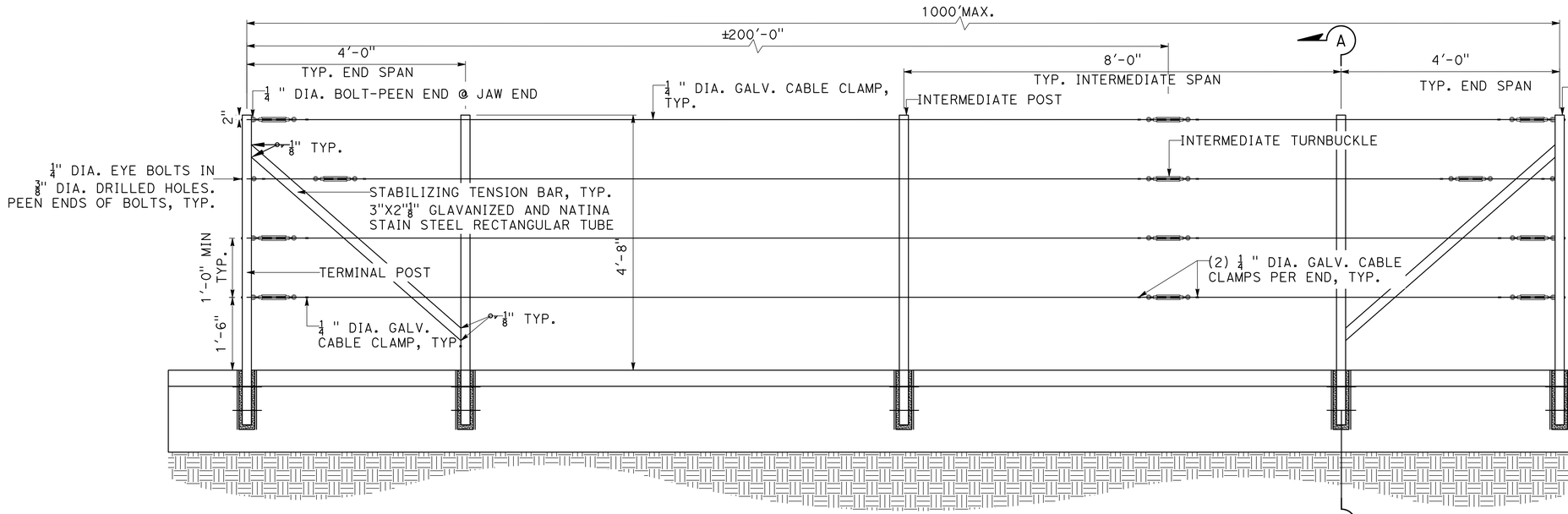
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



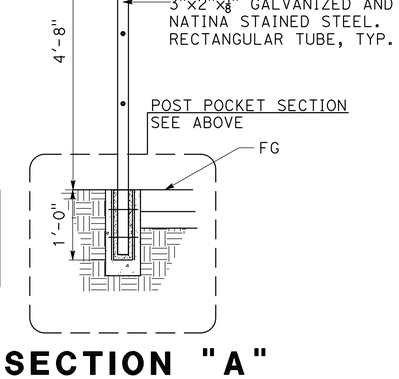
POST POCKET



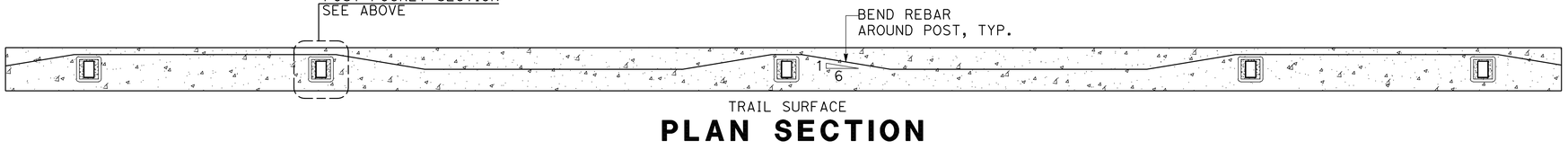
POST POCKET SECTION



SECTION ELEVATION



SECTION "A"



PLAN SECTION

POST AND WIRE FENCE DETAILS

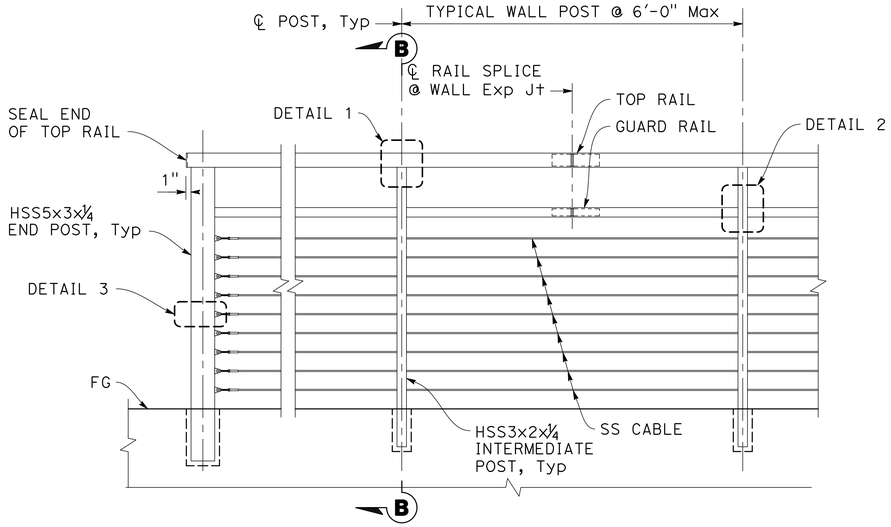
DRAFT - NOT FOR CONSTRUCTION

CONSTRUCTION DETAILS
NOT TO SCALE

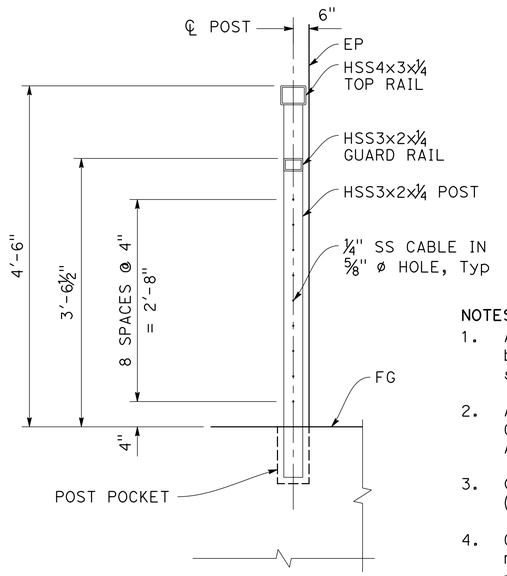
C-43

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>9/3/2024 | TIME PLOTTED =>2:05:PM | 00-00-00

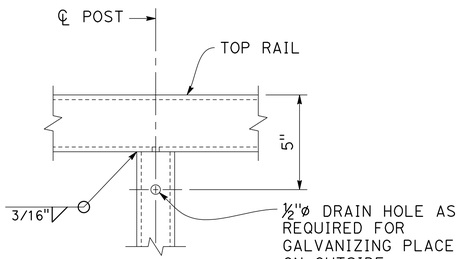


TYPICAL ELEVATION
3/4" = 1'-0"

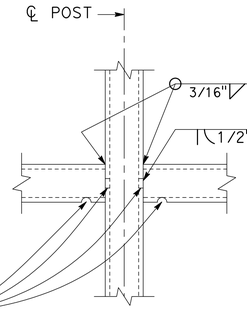


SECTION B-B
1" = 1'-0"

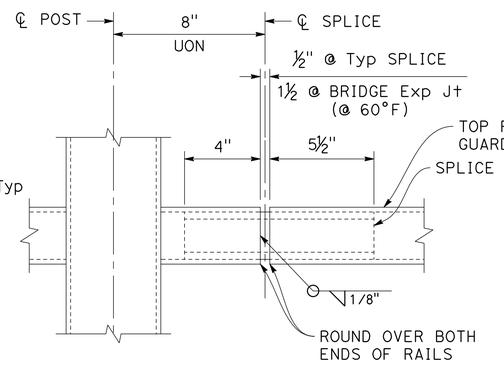
NOTES:
1. All components of the cable pedestrian railings must be hot dipped galvanized and finished with Natina stain.
2. All HSS members to comply with ASTM A500/A500m, Grade B. All other steel to comply with ASTM A36/A36M.
3. Orient tube seams to be on outside face of railing (i.e. not facing trail).
4. Cables must be spliced with turnbuckles spaced no more than 200 ft and not less than 50ft. turnbuckle must have minimum 1½" of adjustment and a minimum breaking load of 3500 lbs.
5. Submit cable product and fittings to engineer for review and approval. End fork connection plate dimensions to be adjusted to suit selected end fork product. Provide final dimensions when submitting fitting details.



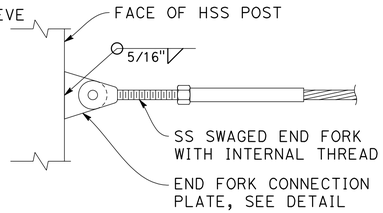
DETAIL 1
3" = 1'-0"



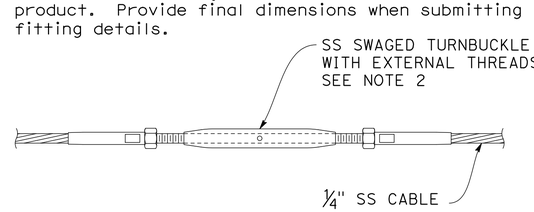
DETAIL 2
3" = 1'-0"



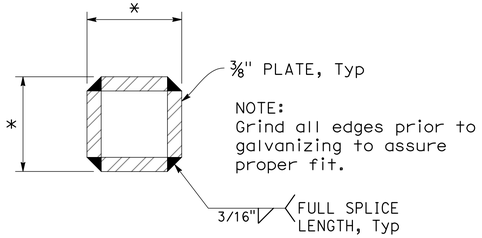
TYPICAL RAIL SPLICE DETAIL
3" = 1'-0"



DETAIL 3
NO SCALE

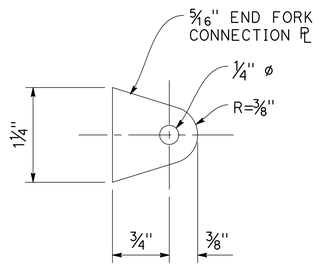


TYPICAL TURNBUCKLE DETAIL
NO SCALE

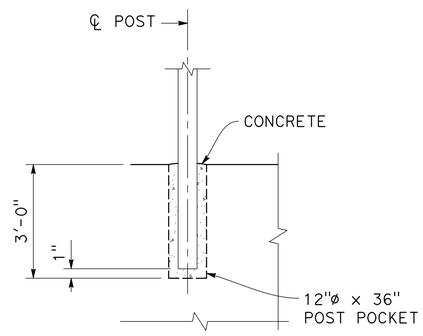


* The difference between the out-to-out rail splice sleeve dimensions and the clear inside dimensions of the tubular steel rail elements must not exceed 3/16" after galvanizing

SPLICE SLEEVE
NO SCALE



END FORK CONNECTION PLATE DETAIL
NO SCALE



INTERMEDIATE AND END POST POCKET DETAIL
NO SCALE

CABLE PEDESTRIAN RAILING (TYPE 1)

CONSTRUCTION DETAILS
NOT TO SCALE

C-44

DRAFT - NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	111	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. — Exp. — CIVIL — STATE OF CALIFORNIA

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SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION — DATE PLOTTED => 9/3/2024 — TIME PLOTTED => 2:55 PM — 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => SSaBlO | DGN FILE => 0520000083ga044.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	112	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. — Exp. — CIVIL — STATE OF CALIFORNIA

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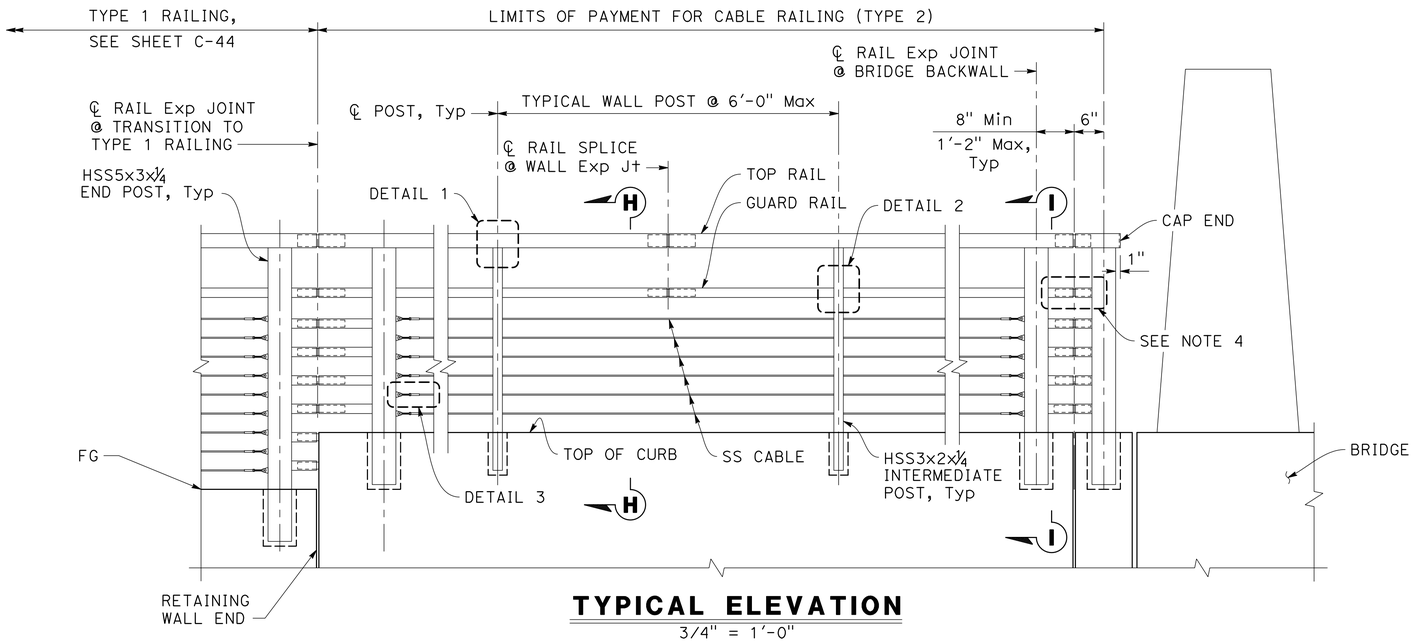
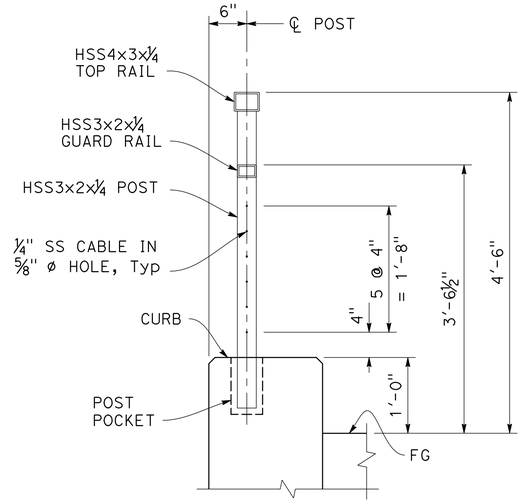
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



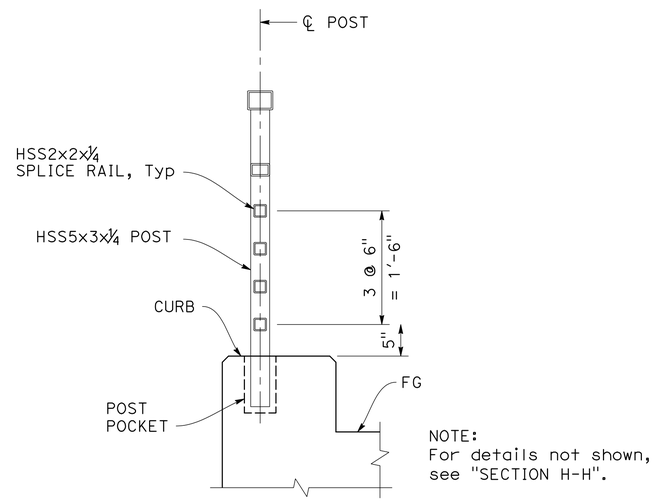
TYPICAL ELEVATION

3/4" = 1'-0"



SECTION H-H

1" = 1'-0"



SECTION I-I

1" = 1'-0"

NOTES:

1. All components of the cable pedestrian railings must be hot dipped galvanized and finished with Natina stain.
2. All HSS members to comply with ASTM A500/A500m, Grade B. All other steel to comply with ASTM A36/A36M.
3. Orient tube seams to be on outside face of railing (i.e. not facing trail).
4. For cable pedestrian railing details and turnbuckle details, see sheet C-46.

CABLE PEDESTRIAN RAILING (TYPE 2)

CONSTRUCTION DETAILS

NOT TO SCALE

C-45

DRAFT - NOT FOR CONSTRUCTION

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>9/3/2024
00-00-00 | TIME PLOTTED =>2:55 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	112	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. Exp.
CIVIL
STATE OF CALIFORNIA

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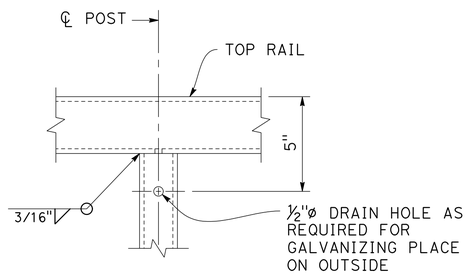
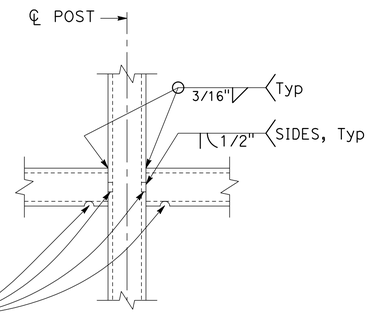
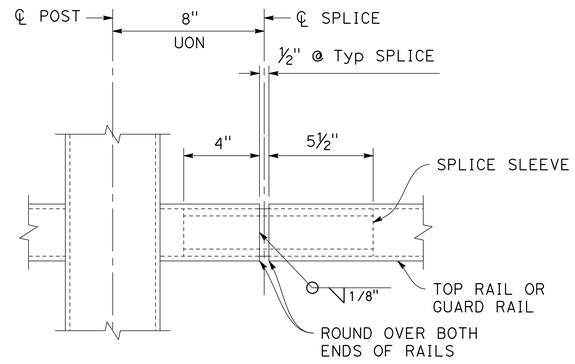
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DETAIL 1
3" = 1'-0"



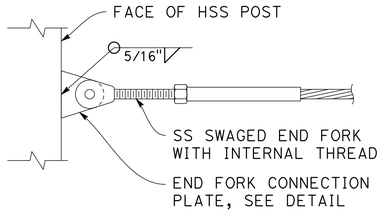
DETAIL 2
3" = 1'-0"



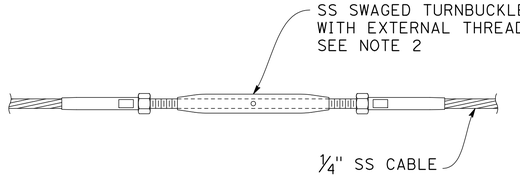
TYPICAL RAIL SPLICE DETAIL
3" = 1'-0"

NOTES:

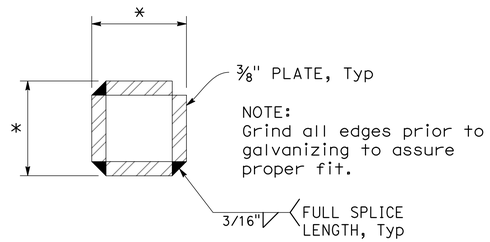
1. Cables must be spliced with turnbuckles spaced no more than 200 ft and not less than 50ft. turnbuckle must have minimum 1½" of adjustment and a minimum breaking load of 3500 lbs.
2. Submit cable product and fittings to engineer for review and approval. End fork connection plate dimensions to be adjusted to suit selected end fork product. Provide final dimensions when submitting fitting details.



DETAIL 3
NO SCALE

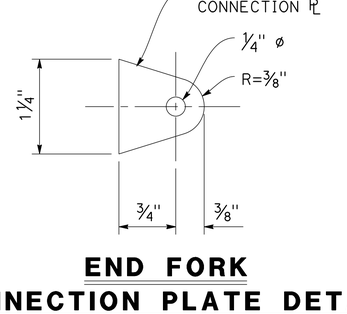


TYPICAL TURNBUCKLE DETAIL
NO SCALE

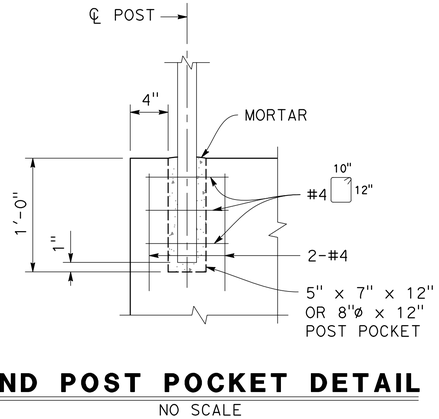


* The difference between the out-to-out rail splice sleeve dimensions and the clear inside dimensions of the tubular steel rail elements must not exceed 3/16" after galvanizing

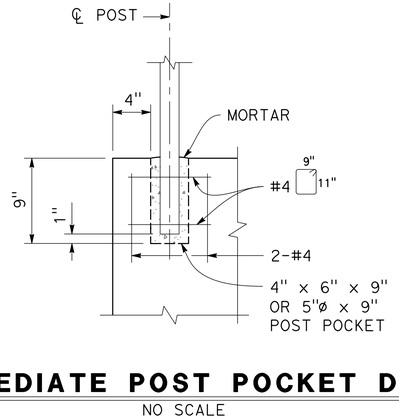
SPLICE SLEEVE
NO SCALE



END FORK CONNECTION PLATE DETAIL
NO SCALE



END POST POCKET DETAIL
NO SCALE



INTERMEDIATE POST POCKET DETAIL
NO SCALE

CONSTRUCTION DETAILS
NOT TO SCALE

DRAFT - NOT FOR CONSTRUCTION

C-46

REVISED BY | DATE REVISED
KIERNAN MCCLOSKEY | RACHEL YAZAWA
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans

LAST REVISION | DATE PLOTTED =>9/6/2024
00-00-00 | TIME PLOTTED =>4:46 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => ERIVERA | DGN FILE => 0520000083ga046.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	113	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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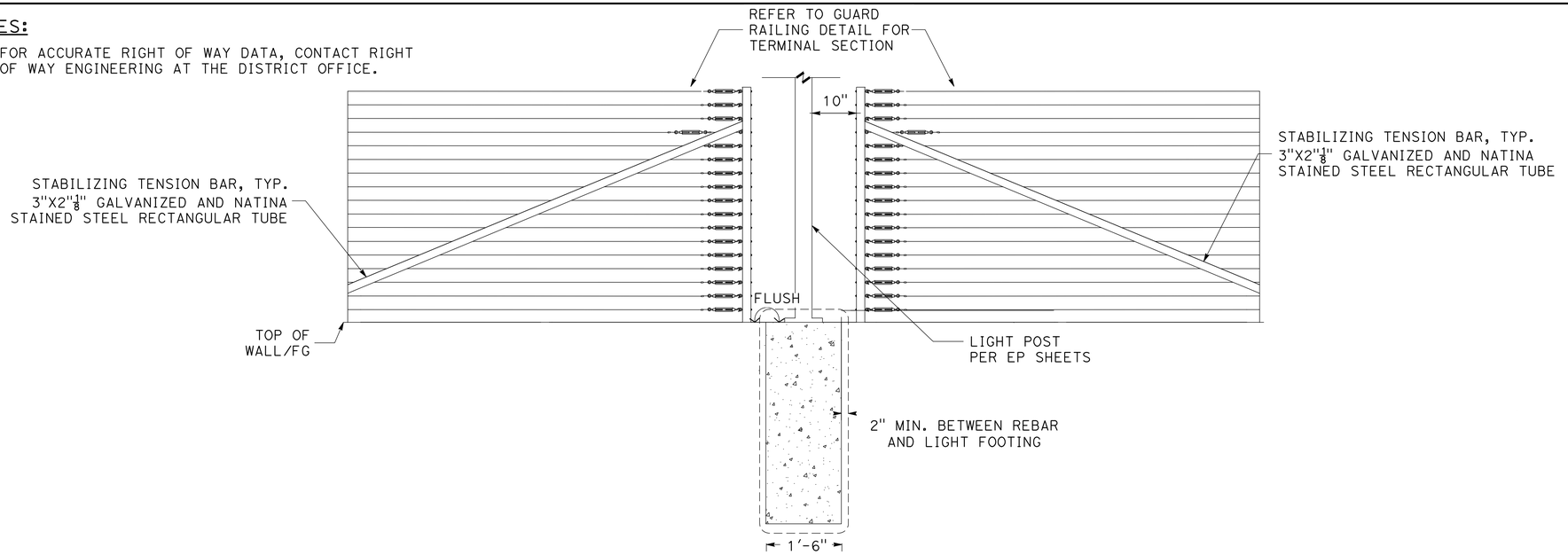
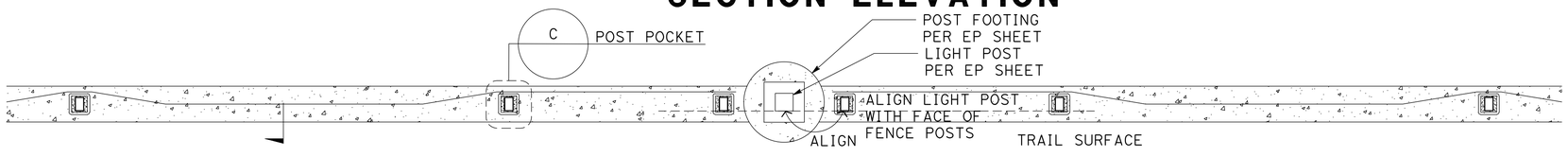
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

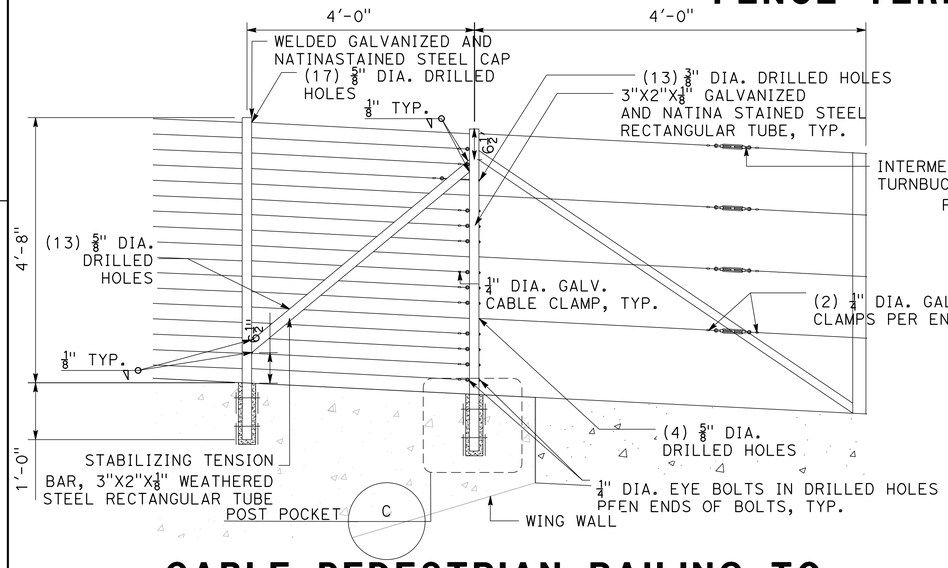
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



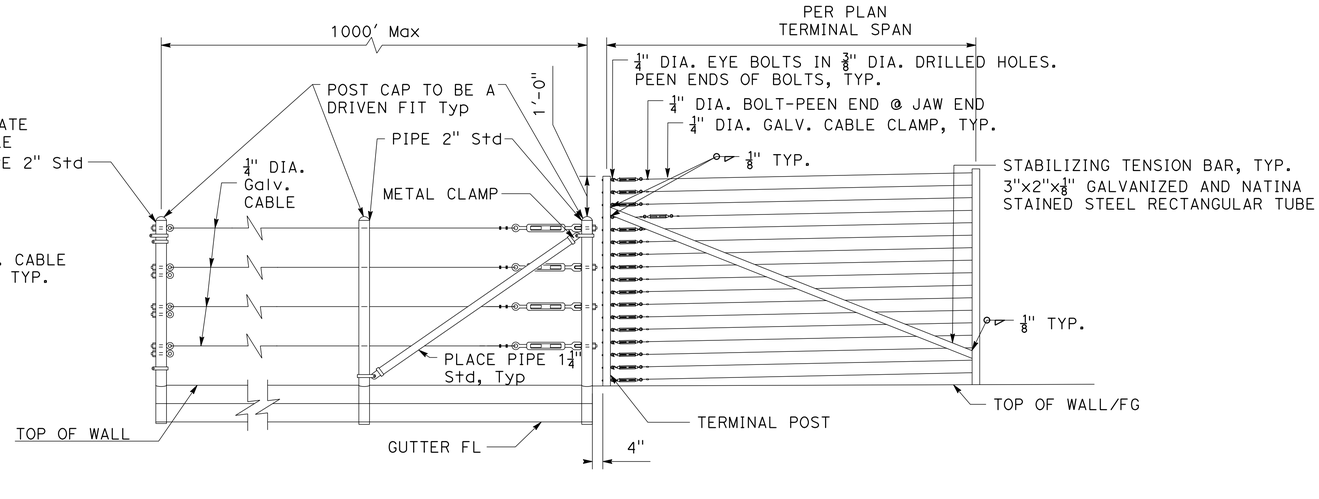
SECTION ELEVATION



PLAN SECTION FENCE TERMINATION AT LIGHT



CABLE PEDESTRIAN RAILING TO POST AND WIRE FENCE DETAIL



CABLE RAILING TO CABLE PEDESTRIAN RAILING DETAIL

CONSTRUCTION DETAILS

NOT TO SCALE

C-47

DRAFT - NOT FOR CONSTRUCTION

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED =>9/6/2024
00-00-00 | TIME PLOTTED =>4:47 PM

NOTES:

1. FOR NOTES, LEGEND, AND ABBREVIATIONS, SEE SHEET D-1.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	127	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

RIO DEL MAR Blvd

29 (d) GRATED LINE DRAIN

+99.95 "RT-1" 8.00' Rt
Beg GRATED LINE DRAIN

SUMNER Ave

1 "S" LINE

DI (G2) (a) 29

+18.62 "RT-1" 8.00' Rt
END GRATED LINE DRAIN

RAIL TRAIL

"RT-1" LINE

(b) 12" HDPE

(e) DITCH EXCAVATION

MATCH LINE (BELOW LEFT)

+16.70 "RT-1" 14.61' Rt
Beg DITCH EXCAVATION
FL 120.00

FES (c) 29

RSP (g)

MATCH LINE (ABOVE RIGHT)

29

DITCH EXCAVATION (e)

+54.03 "RT-1" 16.02' Rt
END DITCH EXCAVATION
BEGIN Conc DITCH
FL 98.50

Conc TRAPEZOIDAL DITCH (f)

30

DI (G2) (a)

12" HDPE (b)

+22.34 "RT-1" 30.20' Rt
ANGLE POINT Conc DITCH
FL 96.30

FES (c)

RSP (d)

+24.92 "RT-1" 42.02' Rt
END Conc DITCH
FL 96.22

+70.23 "RT-1" 16.39' Rt
ANGLE POINT Conc DITCH
FL 97.35

+27.64 "RT-1" 13.73' Rt
ANGLE POINT Conc DITCH
FL 96.96

SB ROUTE 1

NB ROUTE 1

RW

RAIL TRAIL

"RT-1" LINE

SOQUEL Dr

31

(l) DI (G2)

(k) 12" HDPE

APTOS St

MATCH LINE (D-12)

(j) DI (G2)

(i) 12" HDPE

(h) JUNCTION STRUCTURE(TYPE MH)

(g) 18" HDPE 31

18" HDPE (a)

(b) JUNCTION STRUCTURE (TYPE MH)

31 (c) 18" HDPE

JUNCTION STRUCTURE (TYPE MH) (d)

18" HDPE (e)

BERNAL St

(f) JUNCTION STRUCTURE (TYPE MH)

SOQUEL Dr

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PLAN

SCALE: 1" = 50'

D-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: NICHOLAS ENG

CHECKED BY: JOE SARMIENTO

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED =>8/29/2024
00-00-00 | TIME PLOTTED => 4:35 PM

BORDER LAST REVISED 7/2/2010

USERNAME => NENG
DGN FILE => 0520000083ia011.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR NOTES, LEGEND, AND ABBREVIATIONS, SEE SHEET D-1.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	128	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOSEPH SARMIENTO
No. 88787
Exp. 6/30/2026
CIVIL
STATE OF CALIFORNIA

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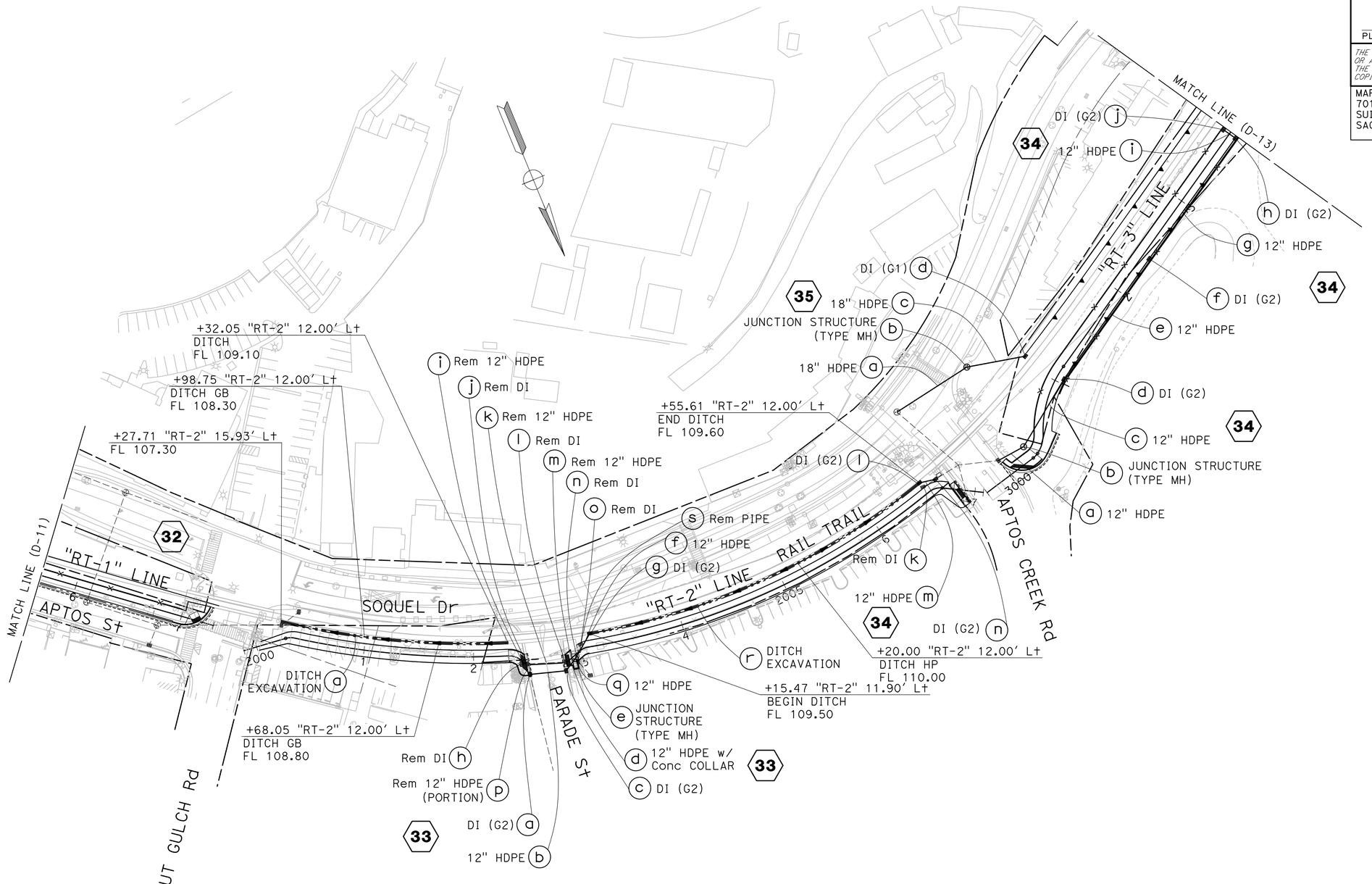
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PLAN

SCALE: 1" = 50'

D-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: JOE SARMIENTO

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED =>8/29/2024
00-00-00 TIME PLOTTED =>4:35 PM

BORDER LAST REVISED 7/2/2010

USERNAME => NENG
DGN FILE => 0520000083ia012.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR NOTES, LEGEND, AND ABBREVIATIONS, SEE SHEET D-1.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	129	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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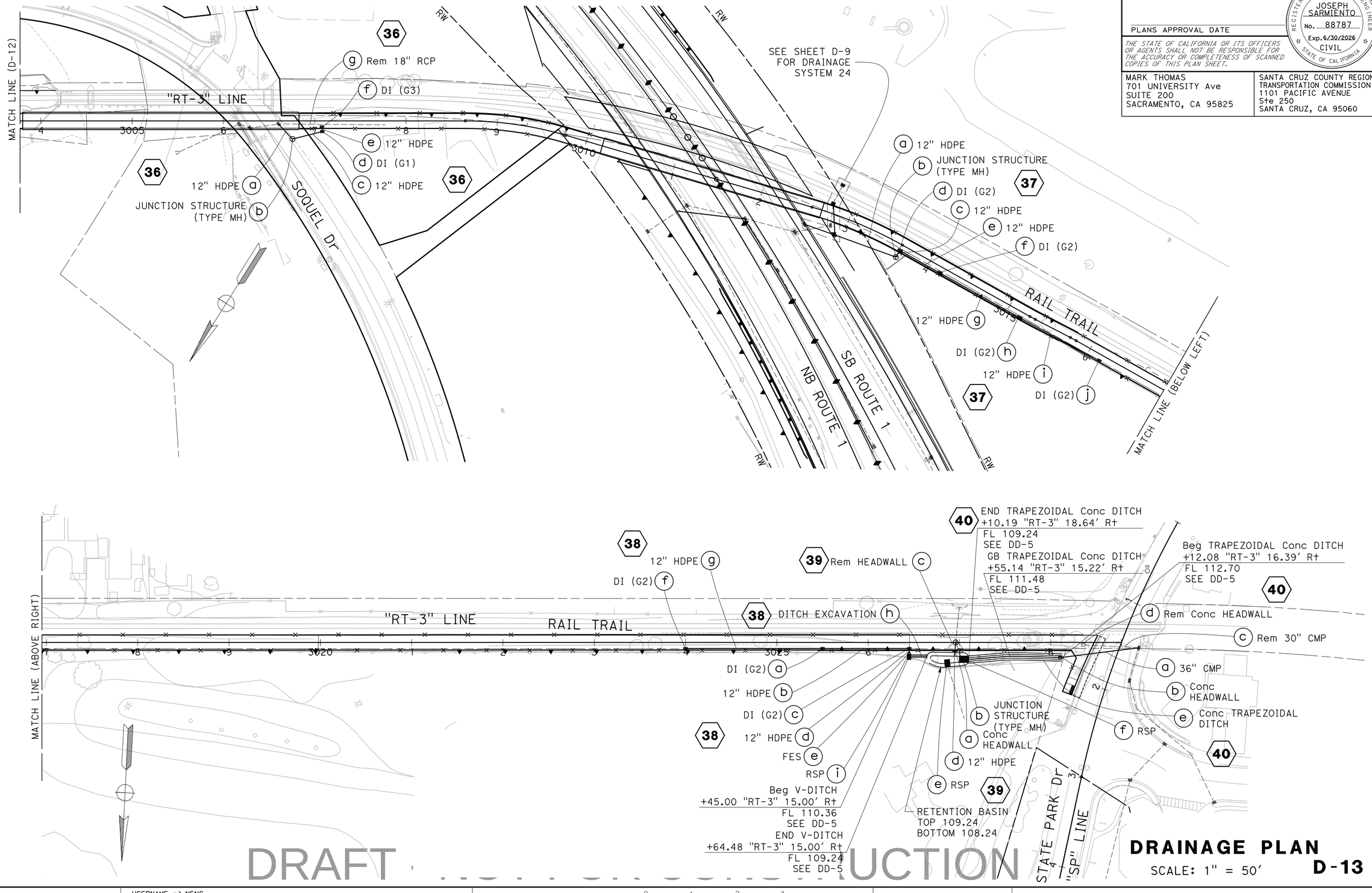

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PLAN

SCALE: 1" = 50'

D-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: JOE SARMIENTO
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED =>8/29/2024
00-00-00 | TIME PLOTTED =>4:36 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	1	8.1/10.7	144	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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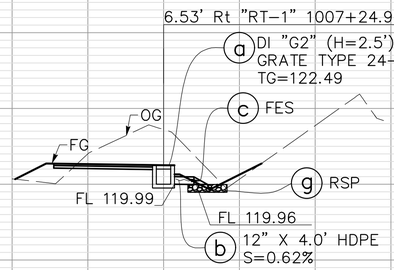
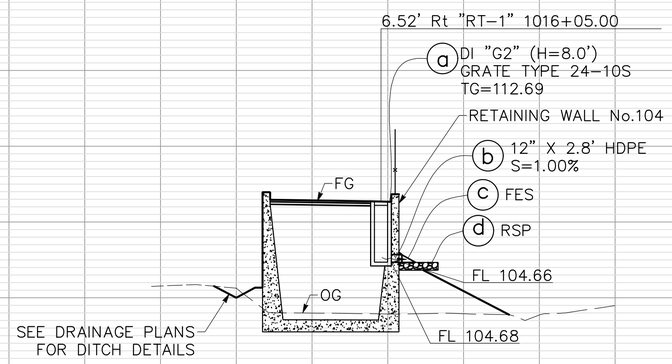
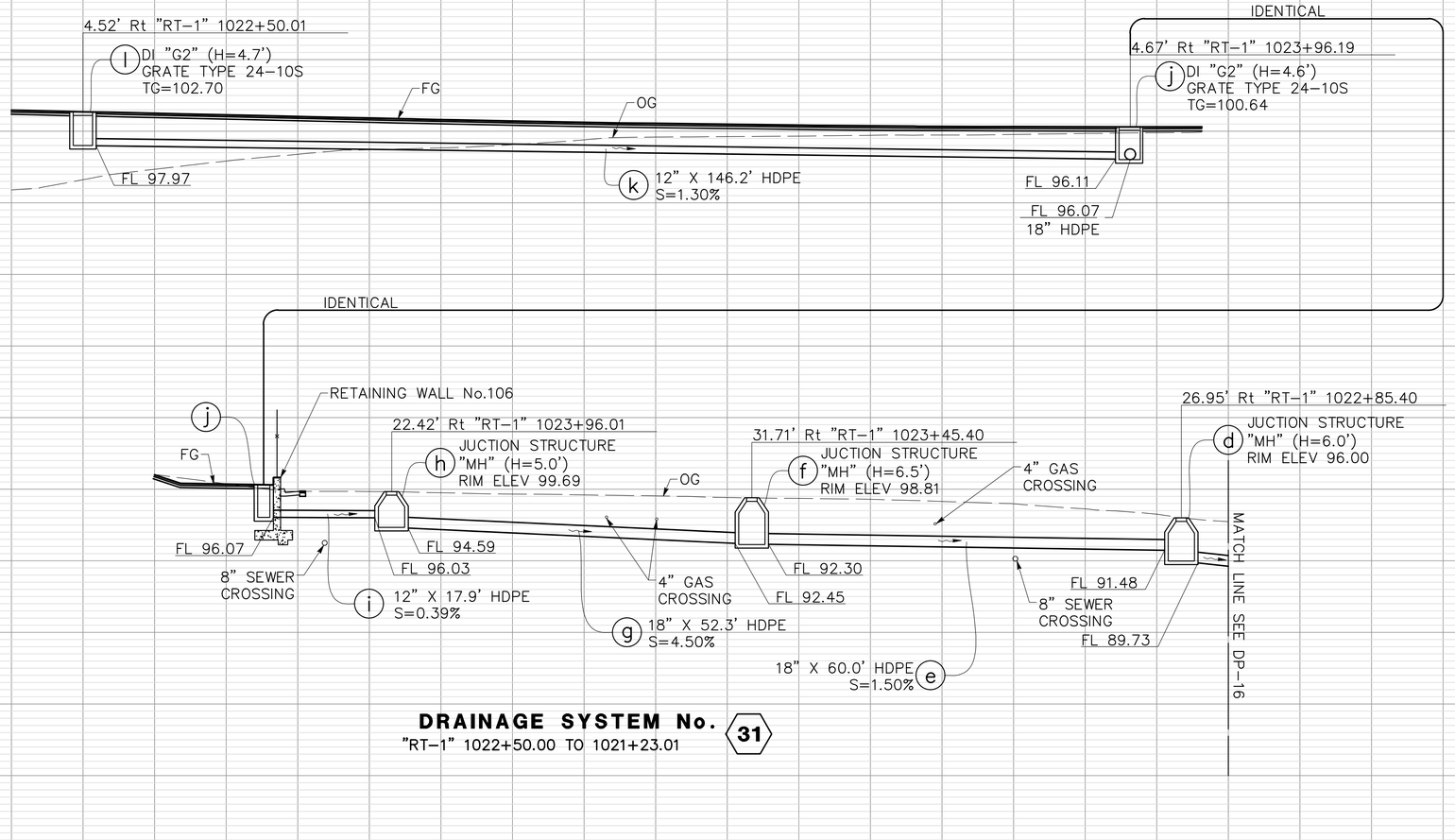


DRAINAGE SYSTEM No. 29
"RT-1" 1007+25.00



DRAINAGE SYSTEM No. 30
"RT-1" 1016+05.00



DRAINAGE SYSTEM No. 31
"RT-1" 1022+50.00 TO 1021+23.01

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-15

REVISED BY | DATE REVISED
NICHOLAS ENG | 00-00-00
CALCULATED-DESIGNED BY | JOE SARIMIENTO
CHECKED BY | ZACHARY SIVIGLIA
CONSULTANT FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 29-Aug-24
00-00-00 | TIME PLOTTED => 17:13

BORDER LAST REVISED 7/2/2010 | USERNAME => mcalle | DGN FILE => 0520000083ib015.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	1	8.1/10.7	145	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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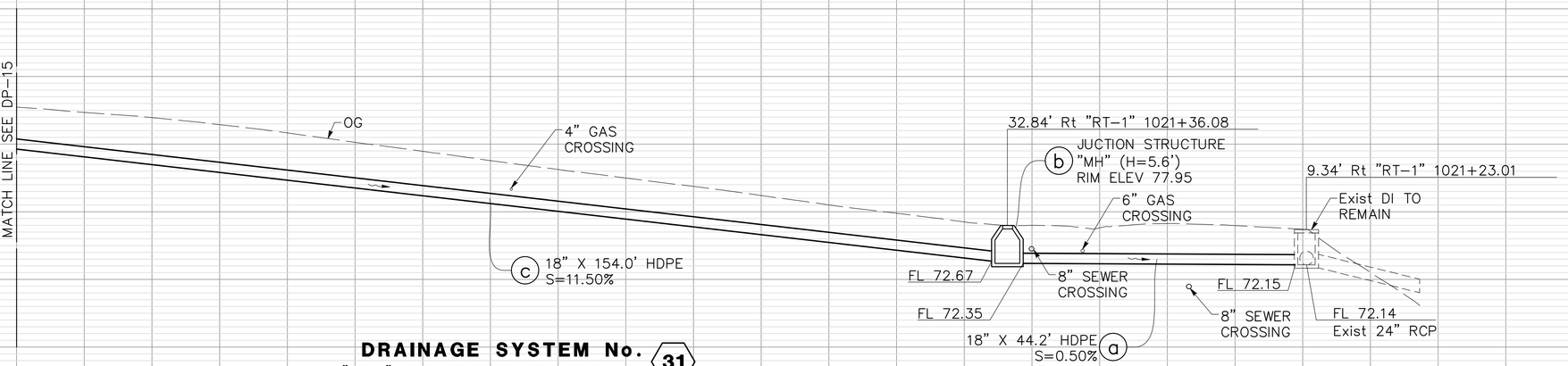
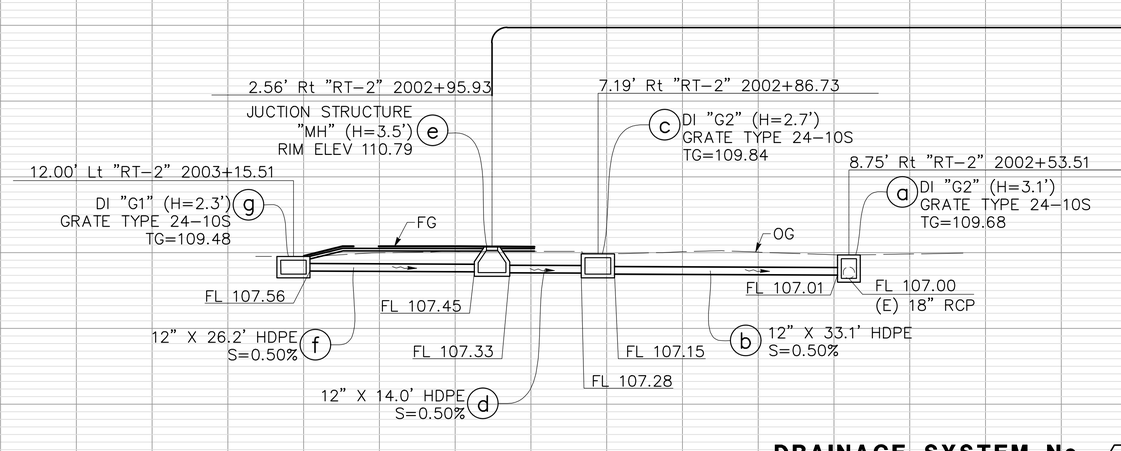
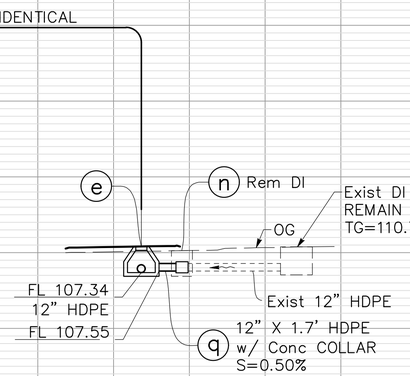
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



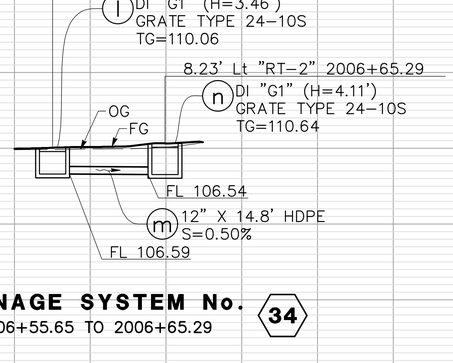
DRAINAGE SYSTEM No. 31
"RT-1" 1023+96.00 TO 1021+23.01



IDENTICAL



DRAINAGE SYSTEM No. 33
"RT-2" 2002+53.53 TO 2003+33.32



DRAINAGE SYSTEM No. 34
"RT-2" 2006+55.65 TO 2006+65.29

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-16

REVISED BY | DATE REVISED
NICHOLAS ENG | JOE SARIMIENTO
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED => 29-Aug-24 | TIME PLOTTED => 17:14

BORDER LAST REVISED 7/2/2010 | USERNAME => mcalle | DGN FILE => 0520000083ib016.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	1	8.1/10.7	146	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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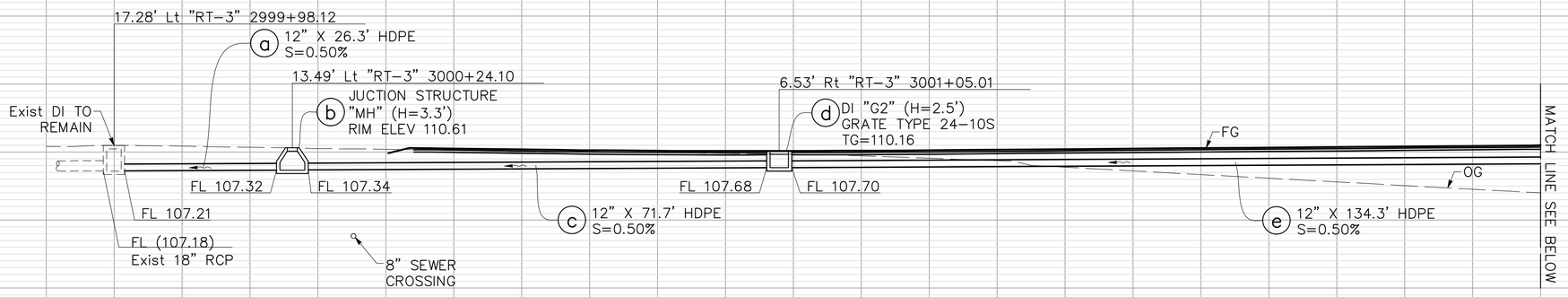
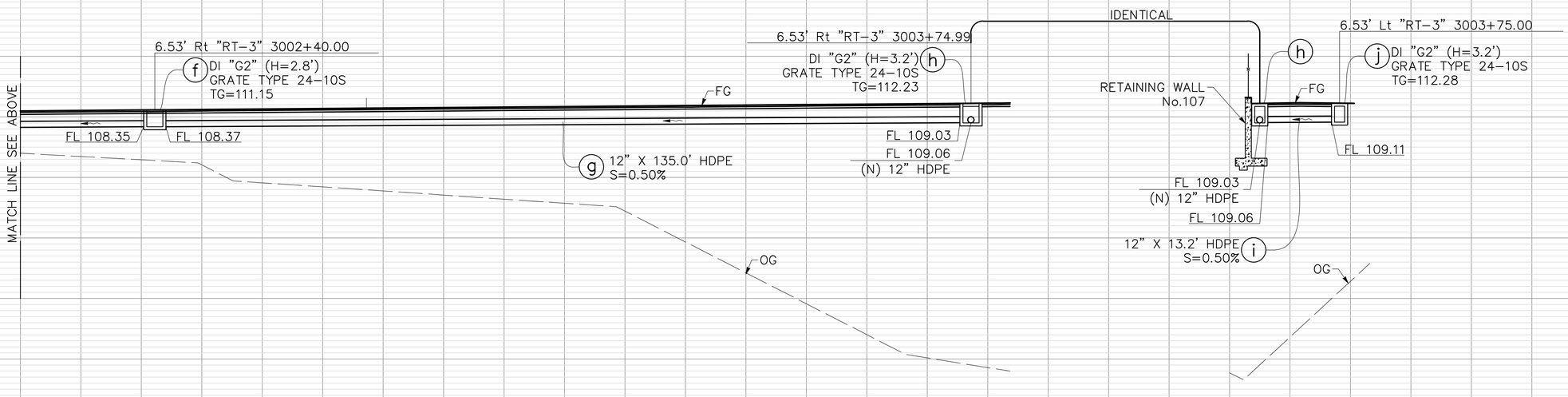
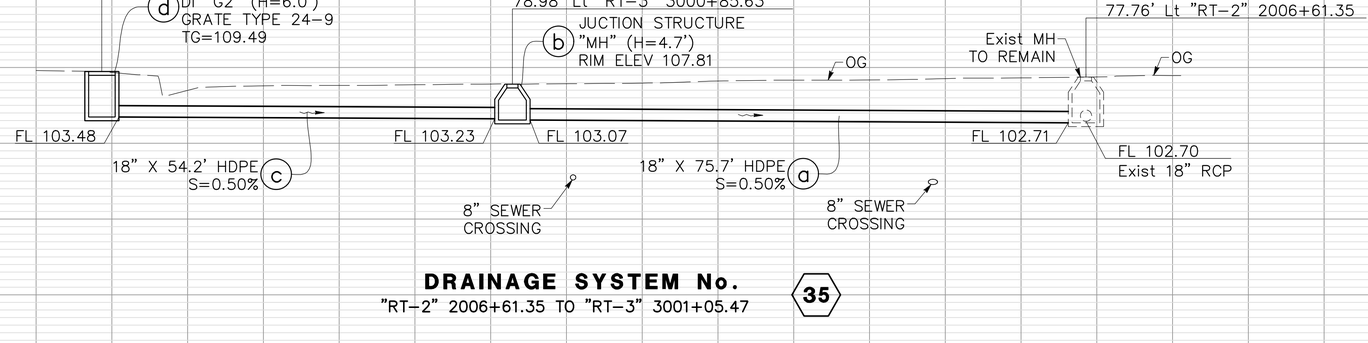
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060





DRAINAGE SYSTEM No. 34
"RT-3" 2999+98.12 TO 3004+45.00



DRAINAGE SYSTEM No. 35
"RT-2" 2006+61.35 TO "RT-3" 3001+05.47

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: JOE SARIMIENTO

REVISED BY | DATE REVISED

LAST REVISION: 00-00-00
DATE PLOTTED => 29-Aug-24
TIME PLOTTED => 17:14

BORDER LAST REVISED 7/2/2010
USERNAME => mcalle
DGN FILE => 0520000083ib017.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	1	8.1/10.7	147	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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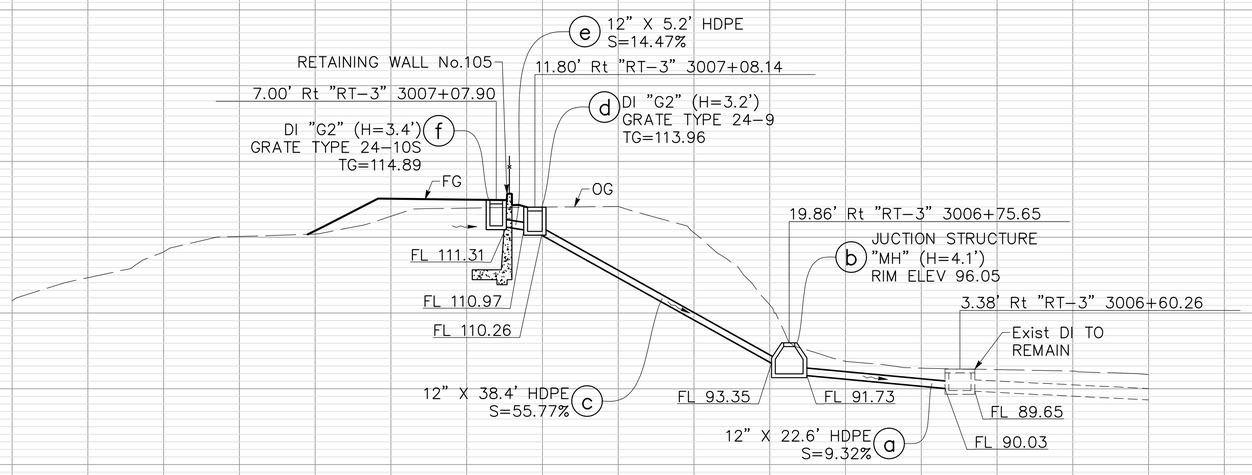
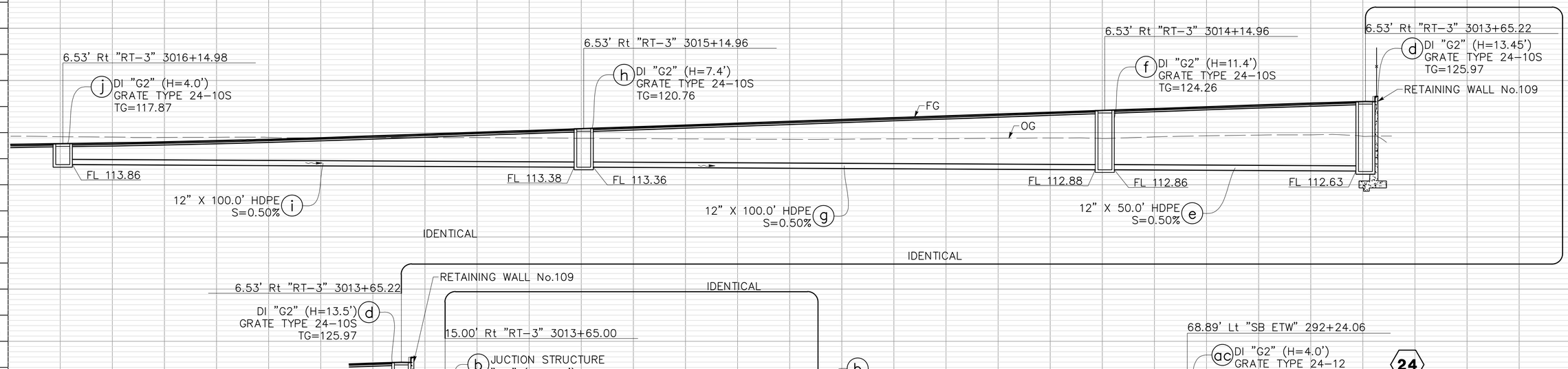
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DRAINAGE SYSTEM No. 36
"RT-3" 3007+70.80 TO 3000+60.26



DRAINAGE SYSTEM No. 37
"RT-3" 3013+65.00 TO 3016+14.98

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-18

DRAFT - NOT FOR CONSTRUCTION

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CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 29-Aug-24 | TIME PLOTTED => 17:14
00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	1	8.1/10.7	148	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

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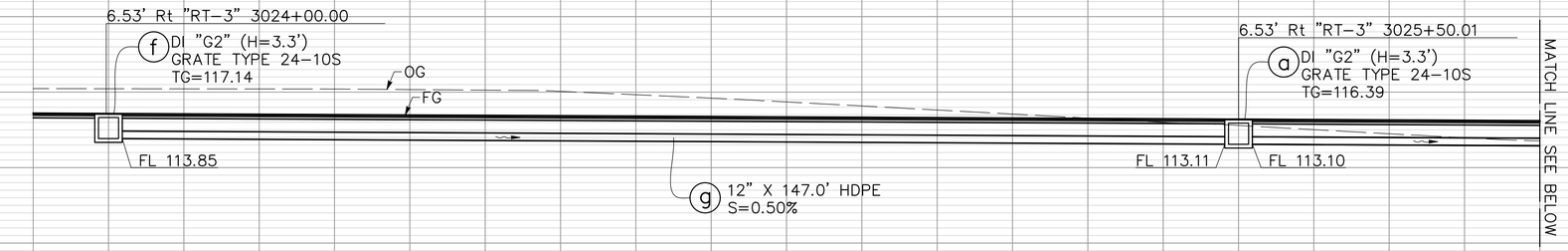
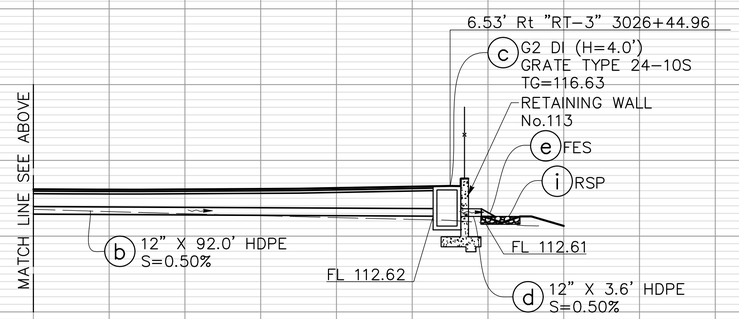
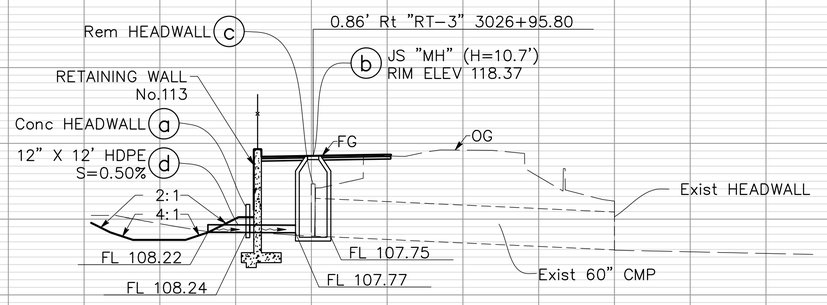
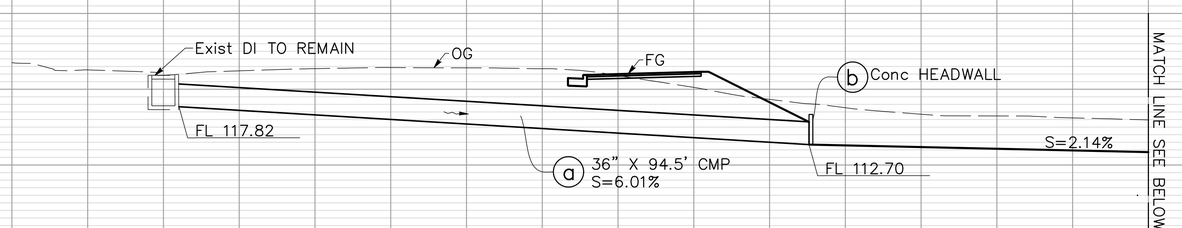


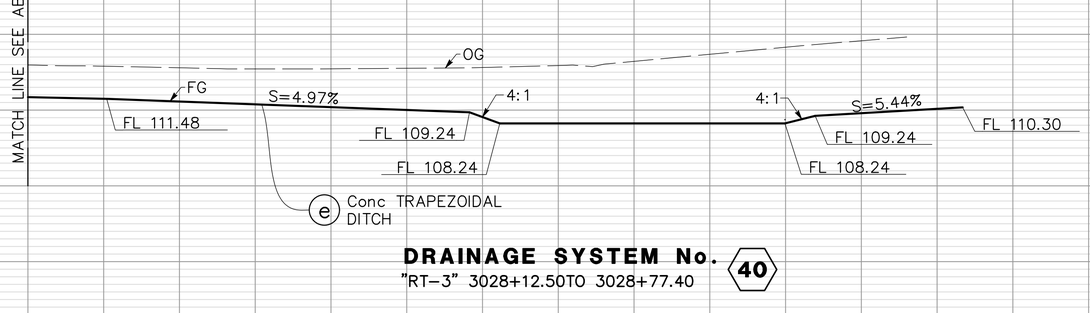


DRAINAGE SYSTEM No. 38
"RT-3" 3024+00.00 TO 3026+45.00



DRAINAGE SYSTEM No. 39
"RT-3" 3026+95.80





DRAINAGE SYSTEM No. 40
"RT-3" 3028+12.50TO 3028+77.40

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-19

REVISED BY | DATE REVISED
NICHOLAS ENG | JOE SARIMIENTO
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA
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Caltrans

LAST REVISION | DATE PLOTTED => 29-Aug-24
00-00-00 | TIME PLOTTED => 13:34

BORDER LAST REVISED 7/2/2010 | USERNAME => mcalle | DGN FILE => 0520000083ib019.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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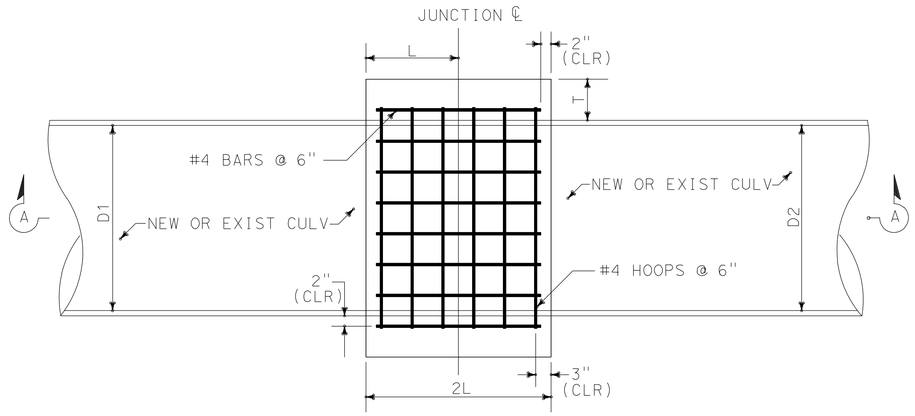
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

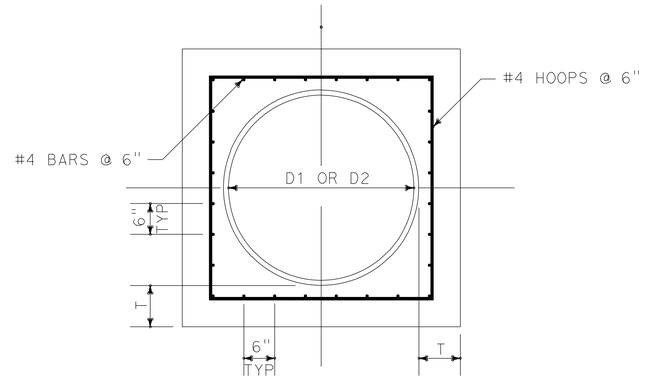
NOTES:

1. WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONC COLLAR, L & T SHALL CORRESPOND WITH THE LARGER OF THE TWO PIPE DIAMETERS.
2. JOIN PIPES AT INVERTS



CONC COLLAR PLAN

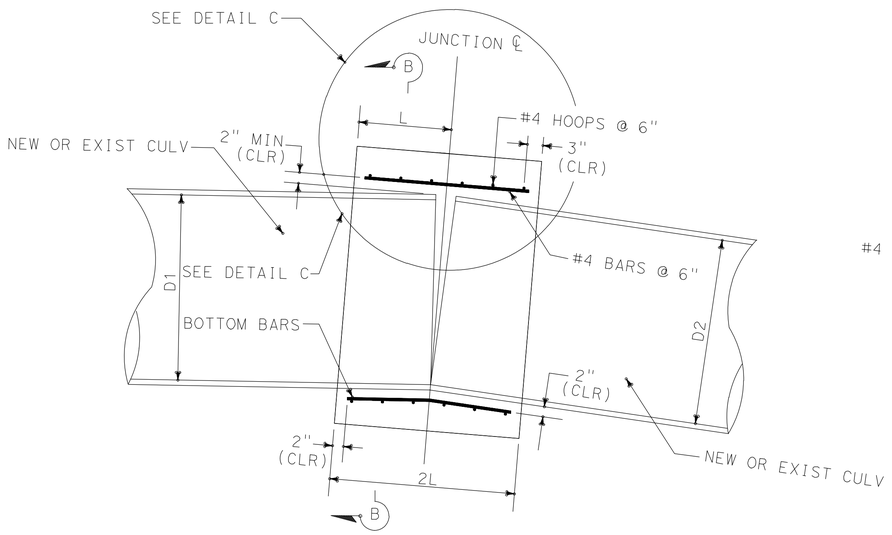
4 (c) 27 (e) 33 (q)



SECTION B-B

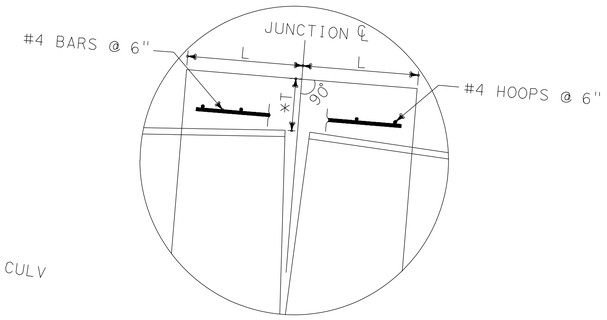
TABLE D

D	L (MIN)	T (MIN)
1'-6"	1'-0"	6"
2'-0"	1'-0"	6"
3'-0"	1'-6"	8"
4'-0"	1'-6"	8"
4'-6"	1'-6"	9"
5'-0"	2'-0"	1'-0"
5'-6"	2'-0"	1'-0"
6'-0"	2'-0"	1'-0"



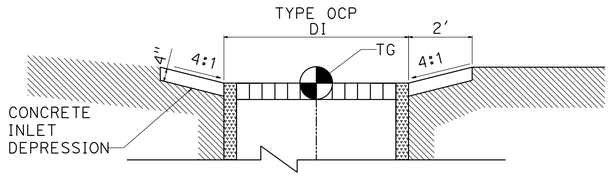
SECTION A-A

NOTE: BEND BOTTOM BARS AS NECESSARY TO MAINTAIN 2" CLEARANCE

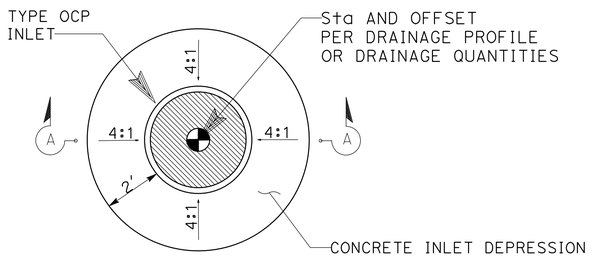


DETAIL C

*MEASURED ALONG JUNCTION ℄



SECTION



PLAN TYPE OCP DI WITH CONCRETE INLET DEPRESSION

8 (e)

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE DETAILS

NO SCALE **DD-1**

REVISED BY | DATE REVISED
NICHOLAS ENG | JOE SARMIENTO
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00 | DATE PLOTTED =>8/29/2024 | TIME PLOTTED =>4:21 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => NENG | DGN FILE => 0520000083ic001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

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95% SUBMITTAL

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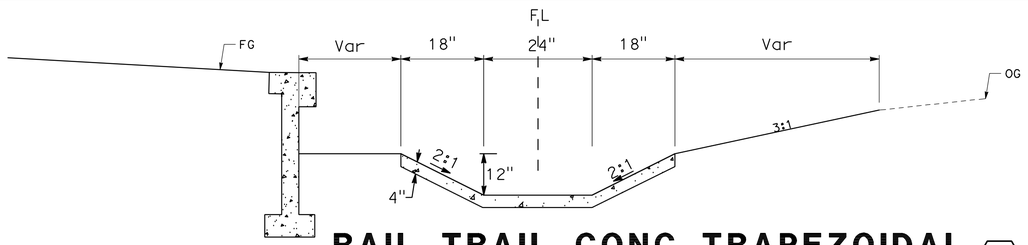
SANTA CRUZ, CA 95060

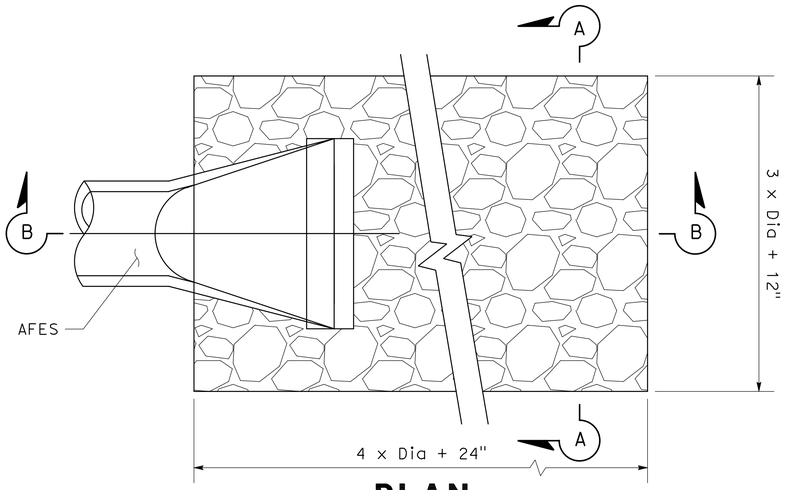
NOTE:

1. TRIM FABRIC IF NEEDED. NO FABRIC SHALL PROTRUDE ABOVE GROUND.



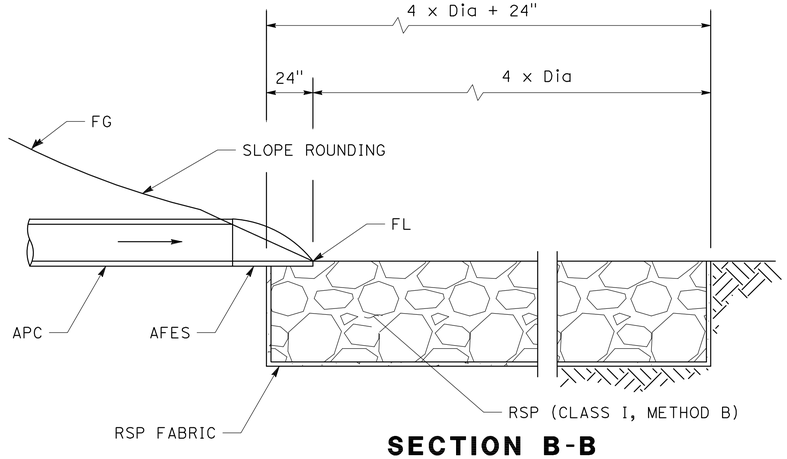
RAIL TRAIL CONC TRAPEZOIDAL DITCH DETAIL

29 (f)

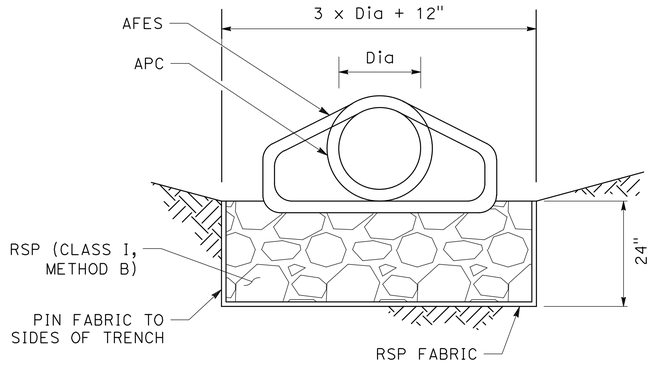


PLAN RSP AT FES

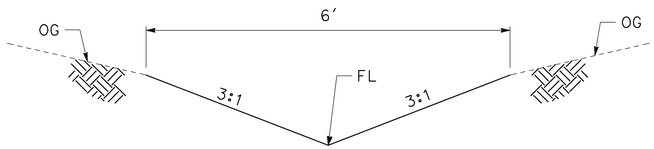
9 (g) 29 (c) 30 (c) 38 (e)



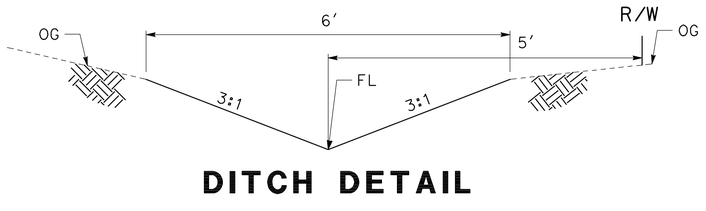
SECTION B-B



SECTION A-A

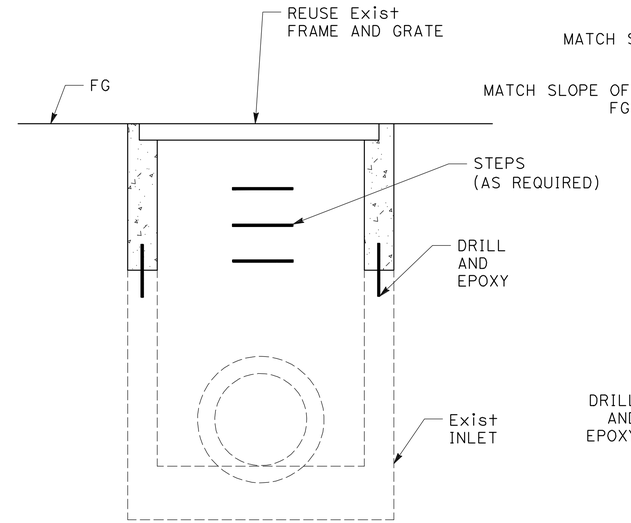


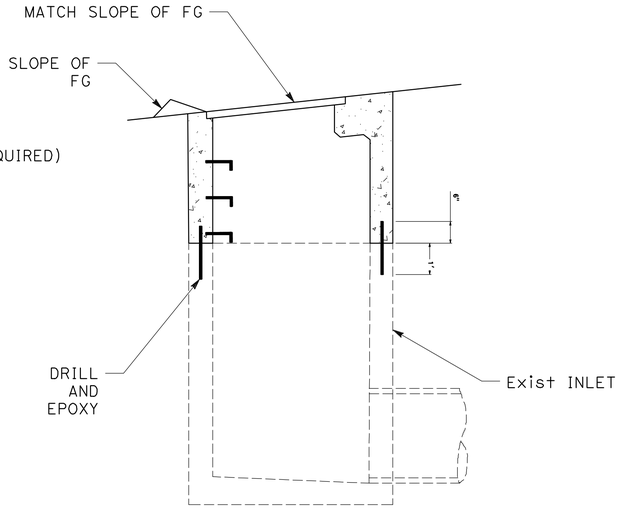
DITCH DETAIL



DITCH DETAIL

14 (c) (d) (e) (f) 15 (a) (b) (c) 17 (b) (c) 18 (p) 24 (ae)





ADJUST INLET TO GRADE

5 (a) (b) 7 (a) (b) 8 (a) (b) (c) 9 (a) 10 (c) (d)

11 (a) 13 (a) 17 (a) 34 (k)

DRAINAGE DETAILS

NO SCALE

DD-4

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: JOE SARMIENTO

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>8/29/2024
00-00-00 | TIME PLOTTED =>4:21 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	153	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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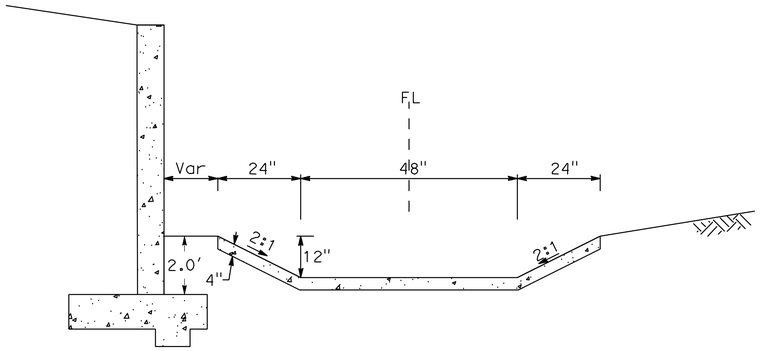
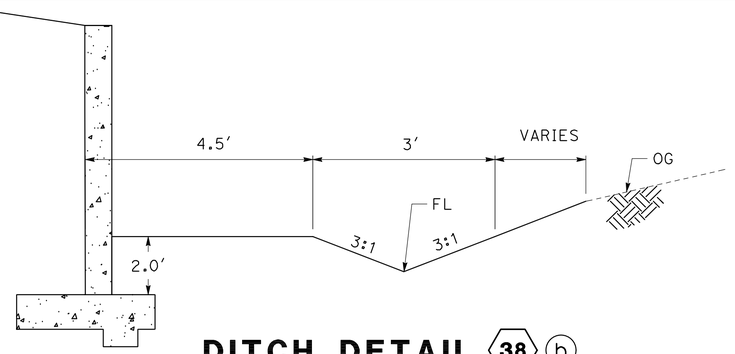
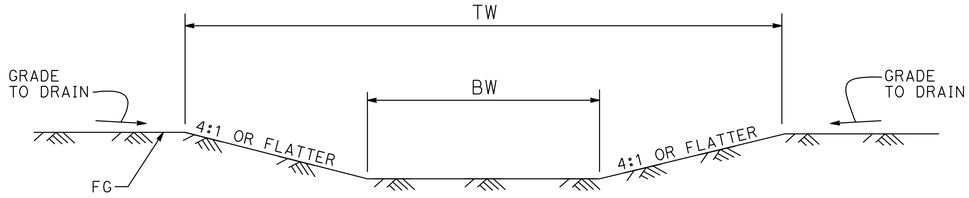


TRAPEZOIDAL CONCRETE DITCH SECTION A-A

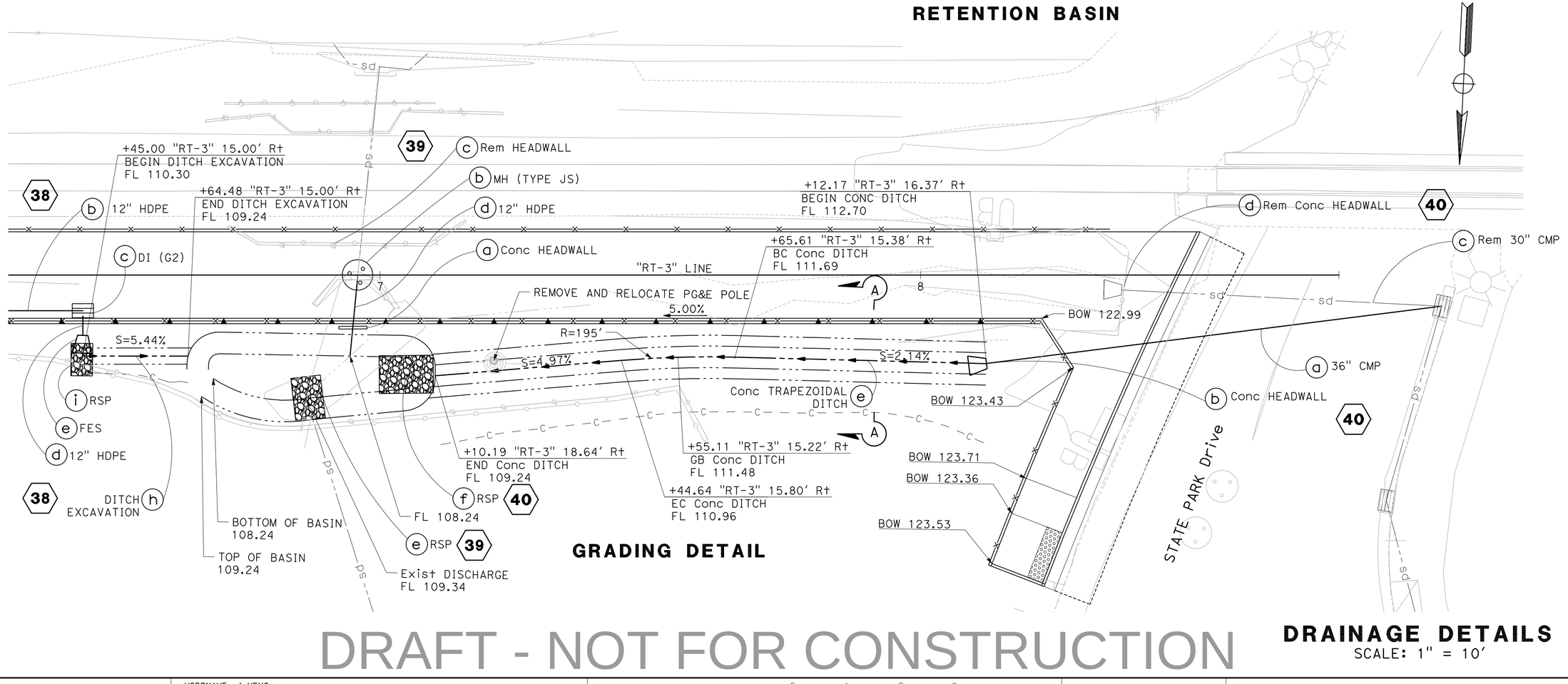
(40) (e)



DITCH DETAIL (38) (h)



RETENTION BASIN



GRADING DETAIL

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE DETAILS

SCALE: 1" = 10'

DD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: JOE SARMIENTO
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED =>8/29/2024 | 00-00-00 | TIME PLOTTED =>4:21 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => NENG | DGN FILE => 0520000083ic005.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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95% SUBMITTAL

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PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOSEPH SARMIENTO
No. 88787
Exp. 6/30/2026
CIVIL
STATE OF CALIFORNIA

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NOTE:

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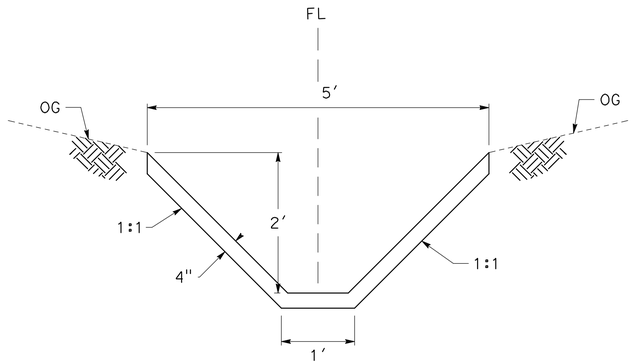
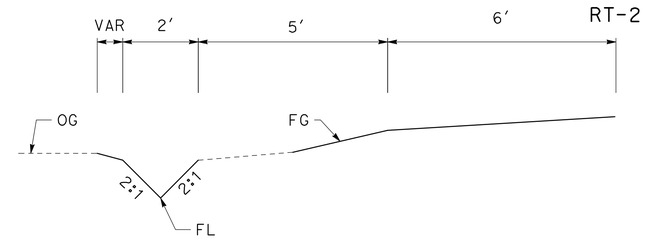


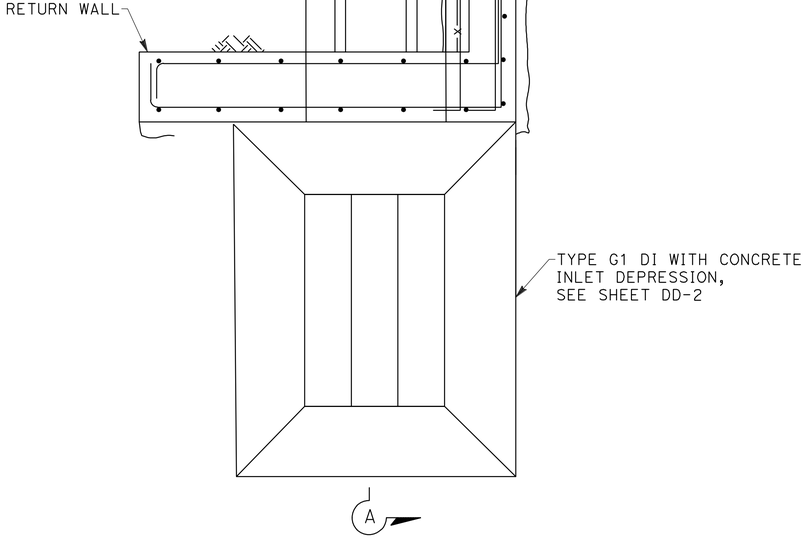
CONCRETE TRAPEZOIDAL DITCH DETAIL

22 (h) (g)



APTOS VILLAGE DITCH DETAIL

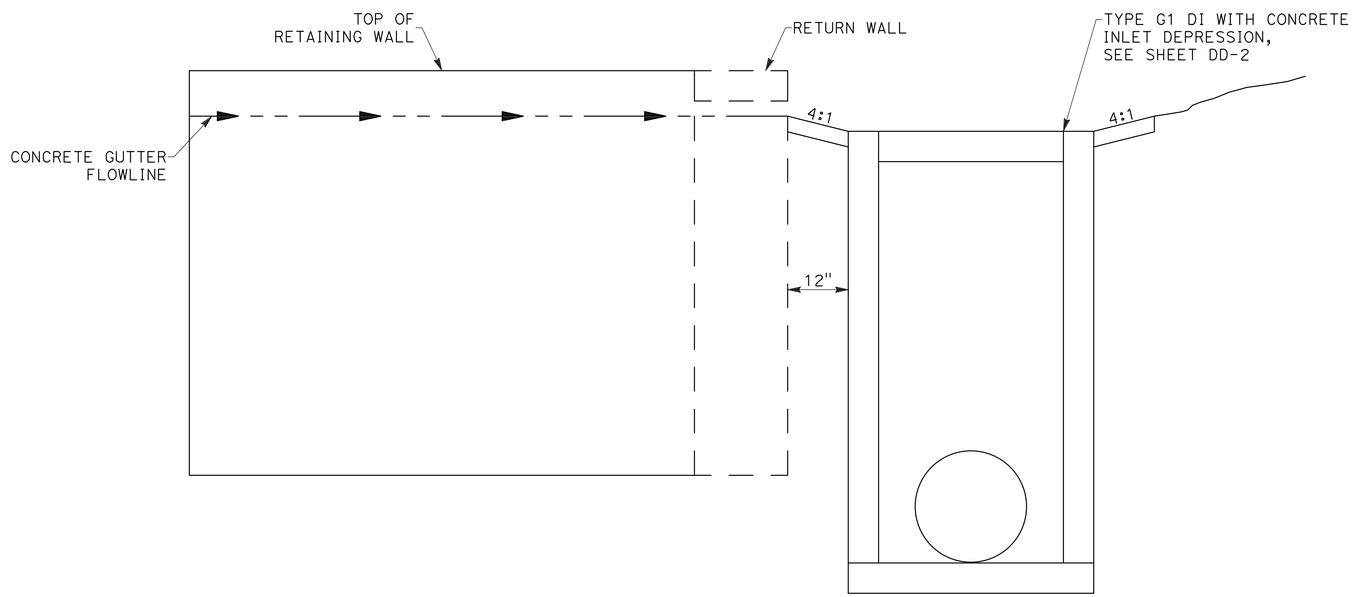
32 (c) 33 (r)



DI AT END OF RETAINING WALL

NOT TO SCALE

23 (j) 24 (ac)



SECTION A-A

NOT TO SCALE

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE DETAILS

NO SCALE

DD-6

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: JOE SARMIENTO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED =>8/29/2024
TIME PLOTTED =>4:22 PM

BORDER LAST REVISED 7/2/2010
USERNAME => NENG
DGN FILE => 0520000083ic006.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	162	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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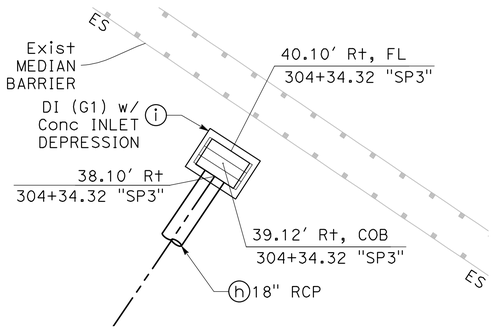
MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DRAINAGE SYSTEM NO. 26



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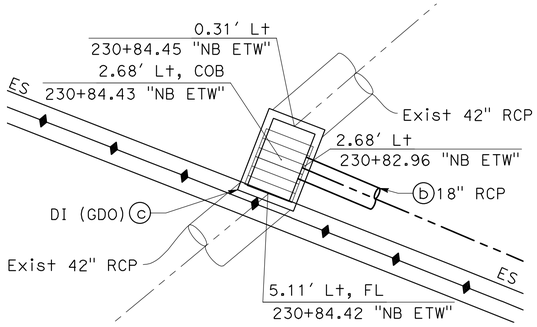

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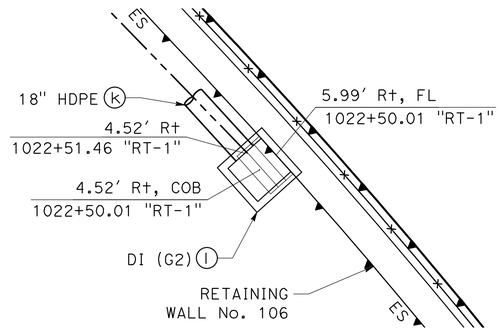

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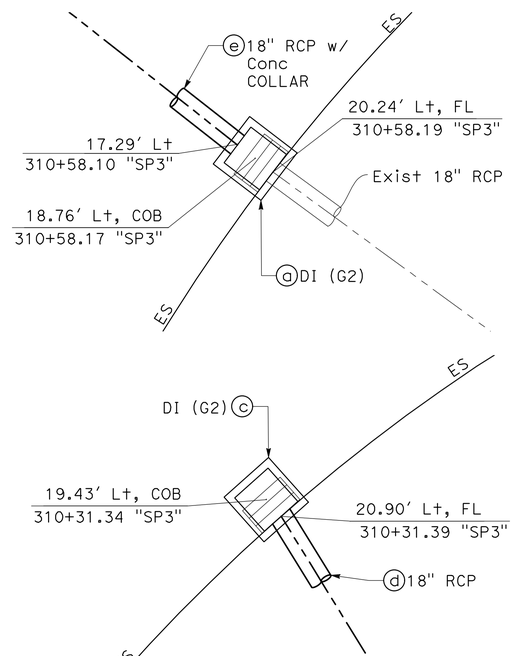

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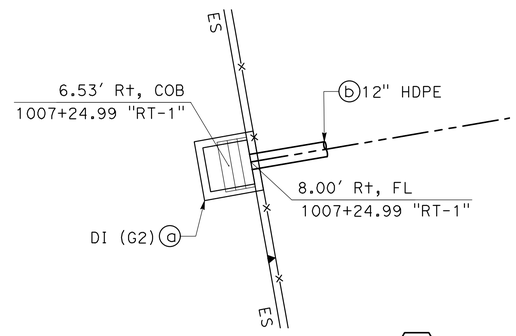

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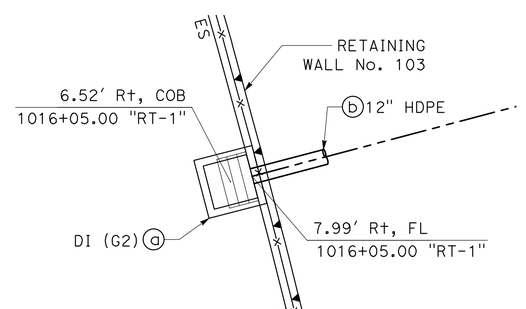

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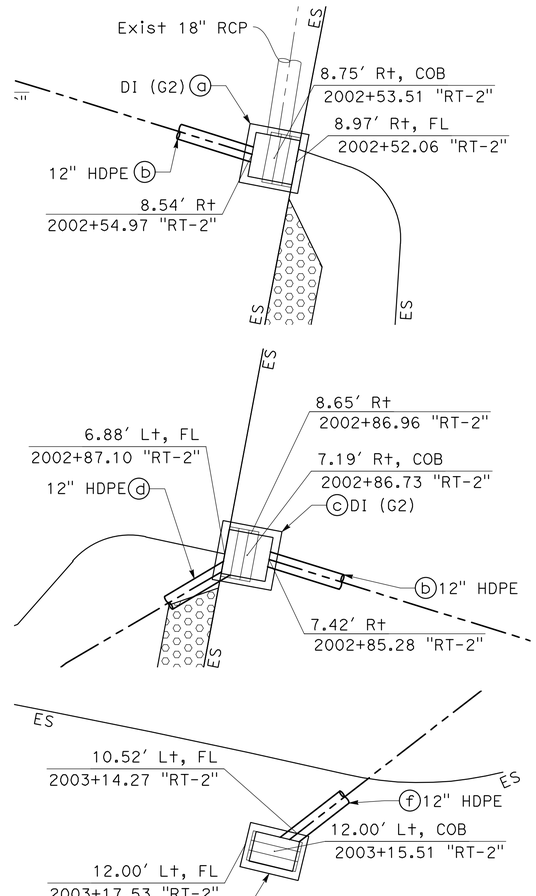

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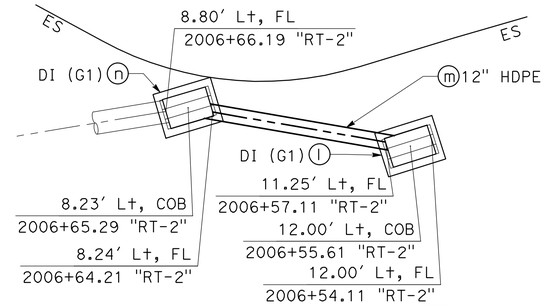

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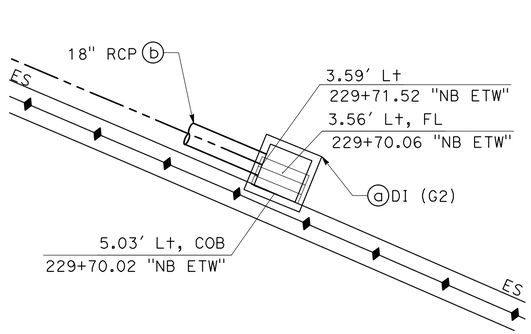

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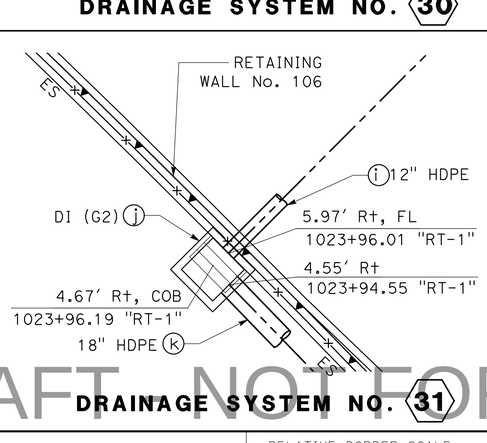

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE DETAILS

SCALE: 1" = 5′

DD-14

LAST REVISION | DATE PLOTTED =>8/29/2024
00-00-00 | TIME PLOTTED =>4:29 PM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: NICHOLAS ENG

CHECKED BY: JOE SARMIENTO

REVISED BY	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	163	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

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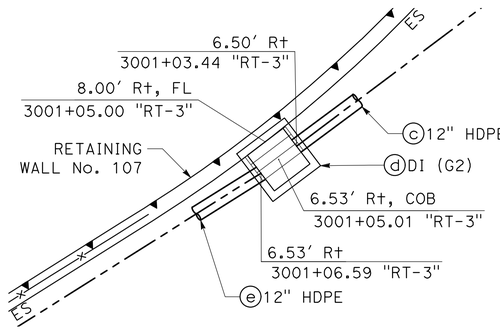
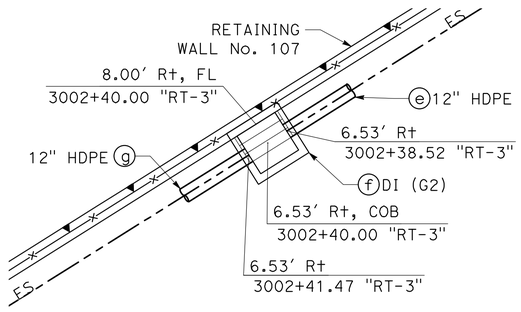
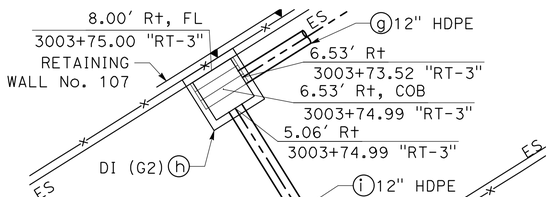
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060







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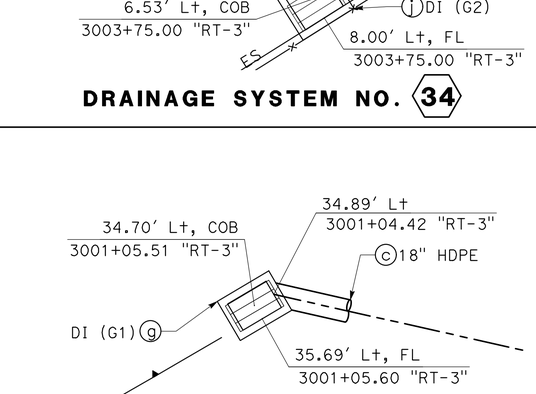

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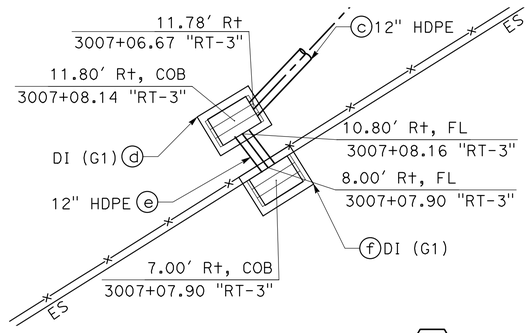

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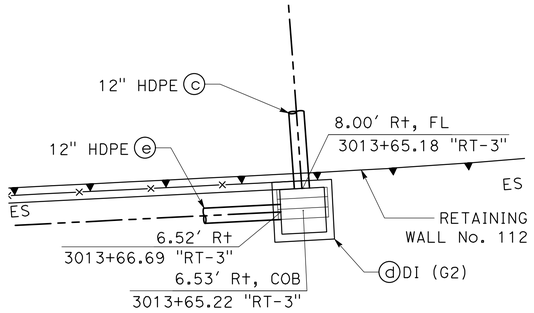

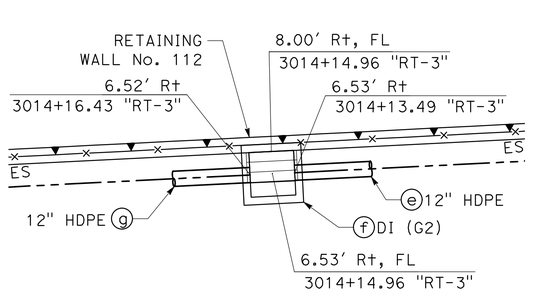

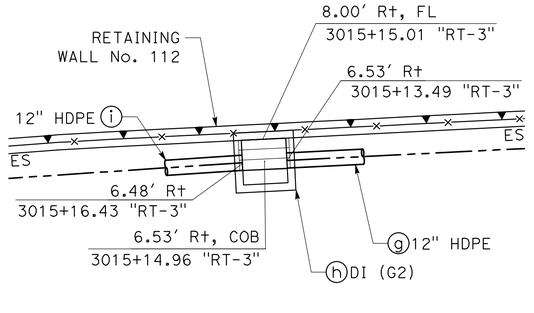

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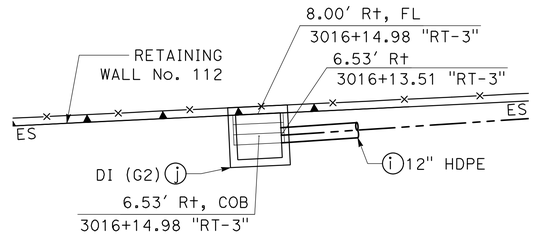

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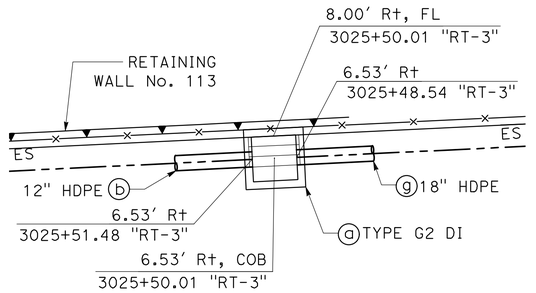

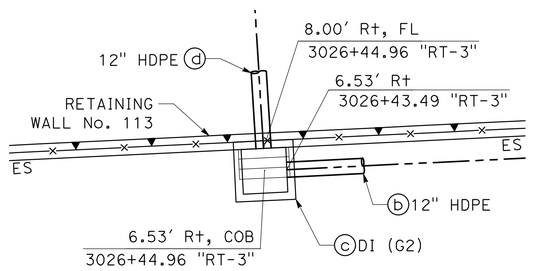

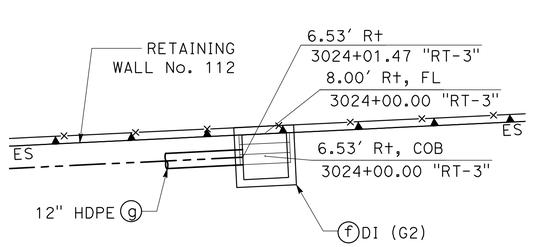

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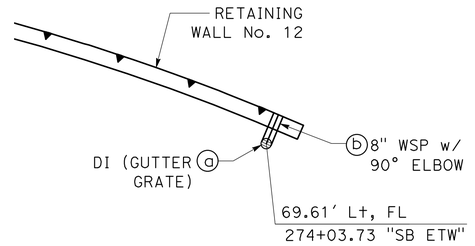

DRAINAGE SYSTEM NO. 41

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE DETAILS

SCALE: 1" = 5′

DD-15

REVISED BY | DATE REVISED
NICHOLAS ENG | JOE SARMIENTO
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR | ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED =>8/29/2024 | TIME PLOTTED =>4:30 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => NENG | DGN FILE => 0520000083ic015.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	176	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOSEPH SARMIENTO
No. 88787
Exp. 6/30/2026
CIVIL
STATE OF CALIFORNIA

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SUITE 200
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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DRAINAGE QUANTITIES

DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	REMOVE PIPE (LF)	REMOVE HEADWALL (EA)	REMOVE DOWNDRAIN (LF)	REMOVE CONCRETE (DITCH) (LF)	ABANDON PIPE (LF)	REMOVE FLARED END SECTION (EA)	REMOVE GRATED LINE DRAIN (LF)	REMOVE INLET (EA)	DITCH EXCAVATION (CY)	CONCRETE BACKFILL (CY)	ADJUST INLET TO GRADE (EA)	MODIFY INLET TO MANHOLE (EA)	MODIFY MANHOLE TO INLET (EA)	FLARED END SECTION (EA)	HMA OVERSIDE DRAIN (SQ YD)	GRATED LINE DRAIN (LF)	STRUCTURAL CONCRETE, DRAINAGE INLET (CY)	STRUCTURAL CONCRETE, HEADWALL (CY)	CONCRETE (DITCH LINING) – V-DITCH (CY)	CONCRETE (DITCH LINING) – TRAPEZOIDAL DITCH (CY)	Misc IRON AND STEEL (LB)	8" WELDED STEEL PIPE (LF)	12" HIGH DENSITY POLYETHYLENE PIPE (LF)	18" HIGH DENSITY POLYETHYLENE PIPE (LF)	8" DUCTILE IRON PIPE (LF)	30" ALTERNATIVE PIPE CULVERT (LF)	36" ALTERNATIVE PIPE CULVERT (LF)	36" CORRUGATED METAL PIPE (LF)	60" CORRUGATED METAL PIPE (LF)	REINFORCED CONCRETE PIPE 12" (LF)	REINFORCED CONCRETE PIPE 18" (LF)	REINFORCED CONCRETE PIPE 24" (LF)	GUTTER GRATE (EA)	MANHOLE FRAME AND COVER (EA)	ROCK SLOPE PROTECTION (20LB, CLASS 1, METHOD B) (CY)	24 – 9 GRATE (N) (EA)	24 – 10S GRATE (N) (EA)	24 – 12 GRATE (N) (EA)	36R GRATE (N) (EA)	PIPE JOINT TYPE (N)	CONCRETE COLLAR (N) (EA)	HEIGHT OF INLET (N) (LF)	DESCRIPTION	STATION	DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT
D-9	25	aq								1																																REMOVE DI	"NB ETW" 294+86.50 35.07' Rt	D-9	25	aq
		ar	384.8																																						REMOVE 18" RCP				ar
D-10		as	72.7																																						REMOVE 18" RCP		D-10		as
		at								1																															REMOVE DI	"NB ETW" 299+36.54 30.29' Rt			at
D-9		au				374.9																																			REMOVE Conc (DITCH)		D-9		au
D-10	26	a																	2.2				326																1			6.8	DI (TYPE G2)	"SP3" 305+44.01 22.53' Lt	D-10	26	a
		b	11.7																																					REMOVE 18" RCP (PORTION)				b
		c								1																															REMOVE DI	"SP3" 305+38.29 14.34' Lt			c
		d																	1.5				326																1			4.1	DI (TYPE G2)	"SB ETW" 304+35.44 22.53' Lt			d
		e																																							36.2			S			18" RCP				e
		f																	1.8				326																1			5.2	DI (TYPE G2)	"SP3" 304+71.60 22.52' Lt			f
		g																																							72.4			S			18" RCP				g
		h																																									61.8						18" RCP				h
		i																	1.2				115																1			4.2	DI (TYPE G1)	"SP3" 304+34.32 39.10' Rt			i
	27	a																	1.8				326																1			5.0	DI (TYPE G2)	"SP3" 310+58.17 18.76' Lt		27	a
		b								1																															REMOVE DI	"SP3" 310+58.09 23.50' Lt			b
		c																	1.7				326																1			4.9	DI (TYPE G2)	"SP3" 310+31.34 19.43' Lt			c
		d																																							57.3						18" RCP				d
		e																																									2.0					1	18" RCP w/ Conc COLLAR				e
D-4	28	a																	1.7				326																1			4.7	DI (TYPE G2)	"NB ETW" 229+70.025.03' Lt	D-4	28	a
		b																																								114.3			S			18" RCP				b
		c																	2.5				634																2			5.6	DI (TYPE GDO)	"NB ETW" 230+84.43 2.68' Lt			c
D-11	29	a																	1.3				326															1				2.5	DI (TYPE G2)	"RT-1" 1007+25.00 6.50' Rt	D-11	29	a
		b																							4															S			12" HDPE				b
		c															1																														FLARED END SECTION	"RT-1" 1007+24.99 6.53' Rt			c
		d																720.0																										GRATED LINE DRAIN				d
			469.2			374.9				4						1		720.0	15.7				3031		4												1	9			1	43.0	SHEET TOTAL				

(N) - NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE QUANTITIES
DQ-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: MIRIAM CALLE
CHECKED BY: NICHOLAS ENG
REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED =>8/29/2024
TIME PLOTTED =>4:38 PM
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => DDIZON
DGN FILE => 0520000083id013.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	177	932

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REGISTERED PROFESSIONAL ENGINEER
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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DRAINAGE QUANTITIES

| DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | | DRAINAGE UNIT | REMOVE PIPE | REMOVE HEADWALL | REMOVE DOWNDRAIN | REMOVE CONCRETE (DITCH) | ABANDON PIPE | REMOVE FLARED END SECTION | REMOVE GRATED LINE DRAIN | REMOVE INLET | DITCH EXCAVATION | CONCRETE BACKFILL | ADJUST INLET TO GRADE | MODIFY INLET TO MANHOLE | MODIFY MANHOLE TO INLET | FLARED END SECTION | HMA OVERSIDE DRAIN | GRATED LINE DRAIN | STRUCTURAL CONCRETE, DRAINAGE INLET | STRUCTURAL CONCRETE, HEADWALL | CONCRETE (DITCH LINING) – V-DITCH | CONCRETE (DITCH LINING) – TRAPEZOIDAL DITCH | Misc IRON AND STEEL | 8" WELDED STEEL PIPE | 12" HIGH DENSITY POLYETHYLENE PIPE | 18" HIGH DENSITY POLYETHYLENE PIPE | 8" DUCTILE IRON PIPE | 30" ALTERNATIVE PIPE CULVERT | 36" ALTERNATIVE PIPE CULVERT | 36" CORRUGATED METAL PIPE | 60" CORRUGATED METAL PIPE | REINFORCED CONCRETE PIPE 12" | REINFORCED CONCRETE PIPE 18" | REINFORCED CONCRETE PIPE 24" | GUTTER GRATE | MANHOLE FRAME AND COVER | ROCK SLOPE PROTECTION (20LB, CLASS 1, METHOD B) | 24 – 9 GRATE (N) | 24 – 10S GRATE (N) | 24 – 12 GRATE (N) | 36R GRATE (N) | PIPE JOINT TYPE (N) | CONCRETE COLLAR (N) | HEIGHT OF INLET (N) | DESCRIPTION | STATION | DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | | DRAINAGE UNIT |
|---|---|---|---|---|---

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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SANTA CRUZ, CA 95060

DRAINAGE QUANTITIES

DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT		REMOVE PIPE	REMOVE HEADWALL	REMOVE DOWNDRAIN	REMOVE CONCRETE (DITCH)	ABANDON PIPE	REMOVE FLARED END SECTION	REMOVE GRATED LINE DRAIN	REMOVE INLET	DITCH EXCAVATION	CONCRETE BACKFILL	ADJUST INLET TO GRADE	MODIFY INLET TO MANHOLE	MODIFY MANHOLE TO INLET	FLARED END SECTION	HMA OVERSIDE DRAIN	GRATED LINE DRAIN	STRUCTURAL CONCRETE, DRAINAGE INLET	STRUCTURAL CONCRETE, HEADWALL	CONCRETE (DITCH LINING) – V-DITCH	CONCRETE (DITCH LINING) – TRAPEZOIDAL DITCH	Misc IRON AND STEEL	8" WELDED STEEL PIPE	12" HIGH DENSITY POLYETHYLENE PIPE	18" HIGH DENSITY POLYETHYLENE PIPE	8" DUCTILE IRON PIPE	30" ALTERNATIVE PIPE CULVERT	36" ALTERNATIVE PIPE CULVERT	36" CORRUGATED METAL PIPE	60" CORRUGATED METAL PIPE	REINFORCED CONCRETE PIPE			GUTTER GRATE	MANHOLE FRAME AND COVER	ROCK SLOPE PROTECTION (20LB, CLASS 1, METHOD B)	(N)	(N)	(N)	(N)	(N)	(N)	DESCRIPTION	STATION	DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	
																																12"	18"	24"				24 – 9 GRATE	24 – 10S GRATE	24 – 12 GRATE	36R GRATE	PIPE JOINT TYPE	CONCRETE COLLAR	HEIGHT OF INLET						
				LF	EA	LF	LF	LF	EA	LF	EA	CY	CY	EA	EA	EA	EA	SQ YD	LF	CY	CY	CY	CY	LB	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	CY	EA	EA	EA	EA		EA	LF				
			e																																		1								JS (TYPE MH)	"RT–2" 2002+95.93 2.56' Rt				e
			f																						26.2																			S			12" HDPE					f
			g																	1.0				118																			1			2.3	DI (TYPE G1)	"RT–2" 2003+15.51 12.00' Lt				g
			h								1																																	REMOVE DI	"RT–2" 2002+46.83 2.69' Rt				h
			i	5.5																																									REMOVE 12" HDPE					i
			j								1																																			REMOVE DI	"RT–2" 2002+51.55 0.89' Lt				j
			k	34.8																																									REMOVE 12" HDPE					k
			l								1																																			REMOVE DI	"RT–2" 2002+86.38 0.78' Lt				l
		33	m	11.7																																									REMOVE 12" HDPE					m
			n								1																																			REMOVE DI	"RT–2" 2002+95.96 6.44' Rt				n
			o								1																																			REMOVE DI	"RT–2" 2003+07.03 4.64' Lt				o
			p	11.3																																									REMOVE 12" HDPE (PORTION)					p
D–12			q																						1.7																			1			12" HDPE w/ Conc COLLAR		D–12			q
			r									7.9																																		DITCH EXCAVATION					r
			s	15.9																																										REMOVE PIPE					s
			a																						26.3																			S			12" HDPE					a
			b																																											JS (TYPE MH)	"RT–3" 3000+24.10 13.49' Lt				b
			c																						71.7																					12" HDPE					c
			d																	1.3				326																			1			2.5	DI (TYPE G2)	"RT–3" 3001+05.01 6.53' Rt				d
		34	e																						134.3																					12" HDPE					e
			f																	1.3				326																			1			2.8	DI (TYPE G2)	"RT–3" 3002+40.00 6.53' Rt				f
			g																						135.0																					12" HDPE					g
			h																	1.3				326																			1			3.2	DI (TYPE G2)	"RT–3" 3003+74.99 6.53' Rt				h
			i																						13.2																					12" HDPE					i
			j																	1.3				326																			1			3.2	DI (TYPE G2)	"RT–3" 3003+75.00 6.53' Lt				j
				79.2							5	7.9								6.1				1422		408.4													2			5			1	14.0	SHEET TOTAL					

(N) – NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE QUANTITIES
DQ-15

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: MIRIAM CALLE
CHECKED BY: NICHOLAS ENG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED =>8/29/2024
TIME PLOTTED =>4:38 PM

BORDER LAST REVISED 7/2/2010
USERNAME => DDIZON
DGN FILE => 0520000083id015.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	179	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JOSEPH SARMIENTO — No. 88787 — Exp. 6/30/2026 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DRAINAGE QUANTITIES

DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	REMOVE PIPE (LF)	REMOVE HEADWALL (EA)	REMOVE DOWNDRAIN (LF)	REMOVE CONCRETE (DITCH) (LF)	ABANDON PIPE (LF)	REMOVE FLARED END SECTION (EA)	REMOVE GRATED LINE DRAIN (LF)	REMOVE INLET (EA)	DITCH EXCAVATION (CY)	CONCRETE BACKFILL (CY)	ADJUST INLET TO GRADE (EA)	MODIFY INLET TO MANHOLE (EA)	MODIFY MANHOLE TO INLET (EA)	FLARED END SECTION (EA)	HMA OVERSIDE DRAIN (SQ YD)	GRATED LINE DRAIN (LF)	STRUCTURAL CONCRETE, DRAINAGE INLET (CY)	STRUCTURAL CONCRETE, HEADWALL (CY)	CONCRETE (DITCH LINING) – V-DITCH (CY)	CONCRETE (DITCH LINING) – TRAPEZOIDAL DITCH (CY)	Misc IRON AND STEEL (LB)	8" WELDED STEEL PIPE (LF)	12" HIGH DENSITY POLYETHYLENE PIPE (LF)	18" HIGH DENSITY POLYETHYLENE PIPE (LF)	8" DUCTILE IRON PIPE (LF)	30" ALTERNATIVE PIPE CULVERT (LF)	36" ALTERNATIVE PIPE CULVERT (LF)	36" CORRUGATED METAL PIPE (LF)	60" CORRUGATED METAL PIPE (LF)	REINFORCED CONCRETE PIPE 12" (LF)	REINFORCED CONCRETE PIPE 18" (LF)	REINFORCED CONCRETE PIPE 24" (LF)	GUTTER GRATE (EA)	MANHOLE FRAME AND COVER (EA)	ROCK SLOPE PROTECTION (20LB, CLASS 1, METHOD B) (CY)	24 – 9 GRATE (N) (EA)	24 – 10S GRATE (N) (EA)	24 – 12 GRATE (N) (EA)	36R GRATE (N) (EA)	PIPE JOINT TYPE (N)	CONCRETE COLLAR (N) (EA)	HEIGHT OF INLET (N) (LF)	DESCRIPTION	STATION	DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT
D–12	34	k								1																														REMOVE DI	"RT–2" 2006+55.65 7.10' Lt	D–12	34	k
		l																	1.1				129															1			3.5	DI (TYPE G1)	"RT–2" 2006+55.61 12.00' Lt			l
		m																						14.8																		12" HDPE				m
		n																	1.2				142															1			4.1	DI (TYPE G1)	"RT–2" 2006+65.29 8.23' Lt			n
	35	a																								75.7													S			18" HDPE				a
		b																																			1				JS (TYPE MH)	"RT–3" 3000+85.63 78.98' Lt			b
		c																								54.2													S			18" HDPE				c
		d																	1.6				155															1			6.0	DI (TYPE G1)	"RT–3" 3001+05.47 34.23' Lt			d
D–13	36	a																								22.6													S			12" HDPE		D–13	36	a
		b																																			1				JS (TYPE MH)	"RT–3" 30006+75.65 19.86' Rt			b
		c																								38.4													S			12" HDPE				c
		d																	1.0				115															1			3.2	D1 (TYPE G1)	"RT–3" 3007+08.14 11.80' Rt			d
		e																								5.2													S			12" HDPE				e
		f																	1.0				111																1			3.4	DI (TYPE G1)	"RT–3" 3007+07.90 7.00' Rt			f
		g	14.8																																						REMOVE 18" RCP				g
	37	a																								70.8													S			12" HDPE			37	a
		b																																			1				JS (TYPE MH)	"RT–3" 3013+65.00 15.00' Rt			b
		c																								7.0													S			12" HDPE				c
		d																	4.0				326															1			13.5	DI (TYPE G2)	"RT–3" 3013+65.22 6.53' Rt			d
		e																								50.0													S			12" HDPE				e
		f																	3.5				326															1			11.9	DI (TYPE G2)	"RT–3" 3014+14.96 6.53' Rt			f
		g																								100.0													S			12" HDPE				g
		h																	2.4				326															1			7.4	DI (TYPE G2)	"RT–3" 3015+14.96 6.53' Rt			h
		i																								100.0													S			12" HDPE				i
		j																	1.5				326															1			4.0	DI (TYPE G2)	"RT–3" 3016+14.98 6.53' Rt			j
	38	a																	1.3				326															1			3.3	DI (TYPE G2)	"RT–3" 3025+50.01 6.53' Rt		38	a
			14.8							1									18.6				2283		408.8	129.9										3		2	8				60.3	SHEET TOTAL				

(N) – NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE QUANTITIES
DQ-16

CALCULATED-DESIGNED BY: MIRIAM CALLE
CHECKED BY: NICHOLAS ENG
REVISED BY
DATE REVISED

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00 | DATE PLOTTED =>8/29/2024 | TIME PLOTTED =>4:38 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	180	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOSEPH SARMIENTO
No. 88787
Exp. 6/30/2026
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DRAINAGE QUANTITIES

| DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT | REMOVE PIPE (LF) | REMOVE HEADWALL (EA) | REMOVE DOWNDRAIN (LF) | REMOVE CONCRETE (DITCH) (LF) | ABANDON PIPE (LF) | REMOVE FLARED END SECTION (EA) | REMOVE GRATED LINE DRAIN (LF) | REMOVE INLET (EA) | DITCH EXCAVATION (CY) | CONCRETE BACKFILL (CY) | ADJUST INLET TO GRADE (EA) | MODIFY INLET TO MANHOLE (EA) | MODIFY MANHOLE TO INLET (EA) | FLARED END SECTION (EA) | HMA OVERSIDE DRAIN (SQ YD) | GRATED LINE DRAIN (LF) | STRUCTURAL CONCRETE, DRAINAGE INLET (CY) | STRUCTURAL CONCRETE, HEADWALL (CY) | CONCRETE (DITCH LINING) – V-DITCH (CY) | CONCRETE (DITCH LINING) – TRAPEZOIDAL DITCH (CY) | Misc IRON AND STEEL (LB) | 8" WELDED STEEL PIPE (LF) | 12" HIGH DENSITY POLYETHYLENE PIPE (LF) | 18" HIGH DENSITY POLYETHYLENE PIPE (LF) | 8" DUCTILE IRON PIPE (LF) | 30" ALTERNATIVE PIPE CULVERT (LF) | 36" ALTERNATIVE PIPE CULVERT (LF) | 36" CORRUGATED METAL PIPE (LF) | 60" CORRUGATED METAL PIPE (LF) | REINFORCED CONCRETE PIPE 12" (LF) | REINFORCED CONCRETE PIPE 18" (LF) | REINFORCED CONCRETE PIPE 24" (LF) | GUTTER GRATE (EA) | MANHOLE FRAME AND COVER (EA) | ROCK SLOPE PROTECTION (20LB, CLASS 1, METHOD B) (CY) | 24 – 9 GRATE (N) (EA) | 24 – 10S GRATE (N) (EA) | 24 – 12 GRATE (N) (EA) | 36R GRATE (N) (EA) | PIPE JOINT TYPE (N) | CONCRETE COLLAR (N) (EA) | HEIGHT OF INLET (N) (LF) | DESCRIPTION | STATION | DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT |
|---|---|---|---|---|---

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	181	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOSEPH SARMIENTO
No. 88787
Exp. 6/30/2026
CIVIL
STATE OF CALIFORNIA

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SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DRAINAGE QUANTITIES

	REMOVE PIPE	REMOVE HEADWALL	REMOVE DOWNDRAIN	REMOVE CONCRETE (DITCH)	ABANDON PIPE	REMOVE FLARED END SECTION	REMOVE GRATED LINE DRAIN	REMOVE INLET	DITCH EXCAVATION	CONCRETE BACKFILL	ADJUST INLET TO GRADE	MODIFY INLET TO MANHOLE	MODIFY MANHOLE TO INLET	FLARED END SECTION	HMA OVERSIDE DRAIN	GRATED LINE DRAIN	STRUCTURAL CONCRETE, DRAINAGE INLET	STRUCTURAL CONCRETE, HEADWALL	CONCRETE (DITCH LINING) – V-DITCH	CONCRETE (DITCH LINING) – TRAPEZOIDAL DITCH	Misc IRON AND STEEL	8" WELDED STEEL PIPE	12" HIGH DENSITY POLYETHYLENE PIPE	18" HIGH DENSITY POLYETHYLENE PIPE	8" DUCTILE IRON PIPE	30" ALTERNATIVE PIPE CULVERT	36" ALTERNATIVE PIPE CULVERT	36" CORRUGATED METAL PIPE	60" CORRUGATED METAL PIPE	REINFORCED CONCRETE PIPE			GUTTER GRATE	MANHOLE FRAME AND COVER	ROCK SLOPE PROTECTION (20LB, CLASS 1, METHOD B)	24 – 9 GRATE (N)	24 – 10S GRATE (N)	24 – 12 GRATE (N)	36R GRATE (N)	PIPE JOINT TYPE (N)	CONCRETE COLLAR (N)	HEIGHT OF INLET (N)
																														12"	18"	24"												
	LF	EA	LF	LF	LF	EA	LF	EA	CY	CY	EA	EA	EA	EA	SQYD	LF	CY	CY	CY	CY	LB	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	CY	EA	EA	EA	EA		EA	LF
DQ–1 SHEET TOTAL	238.2							5		81.2							18.5				2934									312.8	193.7							10				53.3
DQ–2 SHEET TOTAL								2		54.0	11	1		1			11.7				1724									134.8			1				6	1		1	31.7
DQ–3 SHEET TOTAL	313.3							5			3	1					15.8				2898									193.5	187.9						9				44.1
DQ–4 SHEET TOTAL	60.1	1							45.9	159.4		1					15.2	5.6			3609									530.6	56.3						9				42.4
DQ–5 SHEET TOTAL	12.3	1						1	450.0		1				103.5		4.7	2.6			1353								107.7	53.1			1			3				14.4
DQ–6 SHEET TOTAL	390.7							5	160.7								15.6				2934									483.6	54.8						9			1	44.0
DQ–7 SHEET TOTAL	205.7					1	40.0	4	219.9								7.7			15.9	1049				23.0		213.7			119.4						5				23.6
DQ–8 SHEET TOTAL																	20.4				3461	51.2				55.9				1168.0		1				11				60.8
DQ–9 SHEET TOTAL										31.5							29.4				4416						20.2			258.8	725.6						13				90.0
DQ–10 SHEET TOTAL									53.3								22.4				3214	37.6							70.4	677.8	405.9	1					11				62.9
DQ–11 SHEET TOTAL	1037.2				115.2	1	292.7	7									6.9				1117	40.0								221.5	91.4	1					4				21.0
DQ–12 SHEET TOTAL	1541.7		97.2					12																																	
DQ–13 SHEET TOTAL	469.2			374.9				4						1		720.0	15.7				3031		4.0							344.0						1	9		1	43.0
DQ–14 SHEET TOTAL									90.1					1			8.4			10.4	1630		214.0	310.5									4	3.6		5				23.0
DQ–15 SHEET TOTAL	79.2							5	7.9								6.1				1422		408.4										2			5			1	14.0
DQ–16 SHEET TOTAL	14.8							1									18.6				2283		408.8	129.9									3		2	8				60.3
DQ–17 SHEET TOTAL	59.3	3							0.5					1			2.8	11.9		8.8	1975	2.1	254.7					94.5				1	1	10.2		2				7.3
TOTAL	4421.7	5	97.2	374.9	115.2	2	332.7	51	1028.3	326.1	15	3		4	103.5	720.0	219.9	20.2		35.1	39048	130.9	1289.9	440.4	23.0	55.9	233.9	94.5		178.1	4497.9	1715.6	4	12	13.8	2	21	99	1		4	635.8

(N) – NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

DRAINAGE QUANTITIES
DQ-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: MIRIAM CALLE
CHECKED BY: NICHOLAS ENG
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED =>8/29/2024
00-00-00 | TIME PLOTTED => 4:38 PM

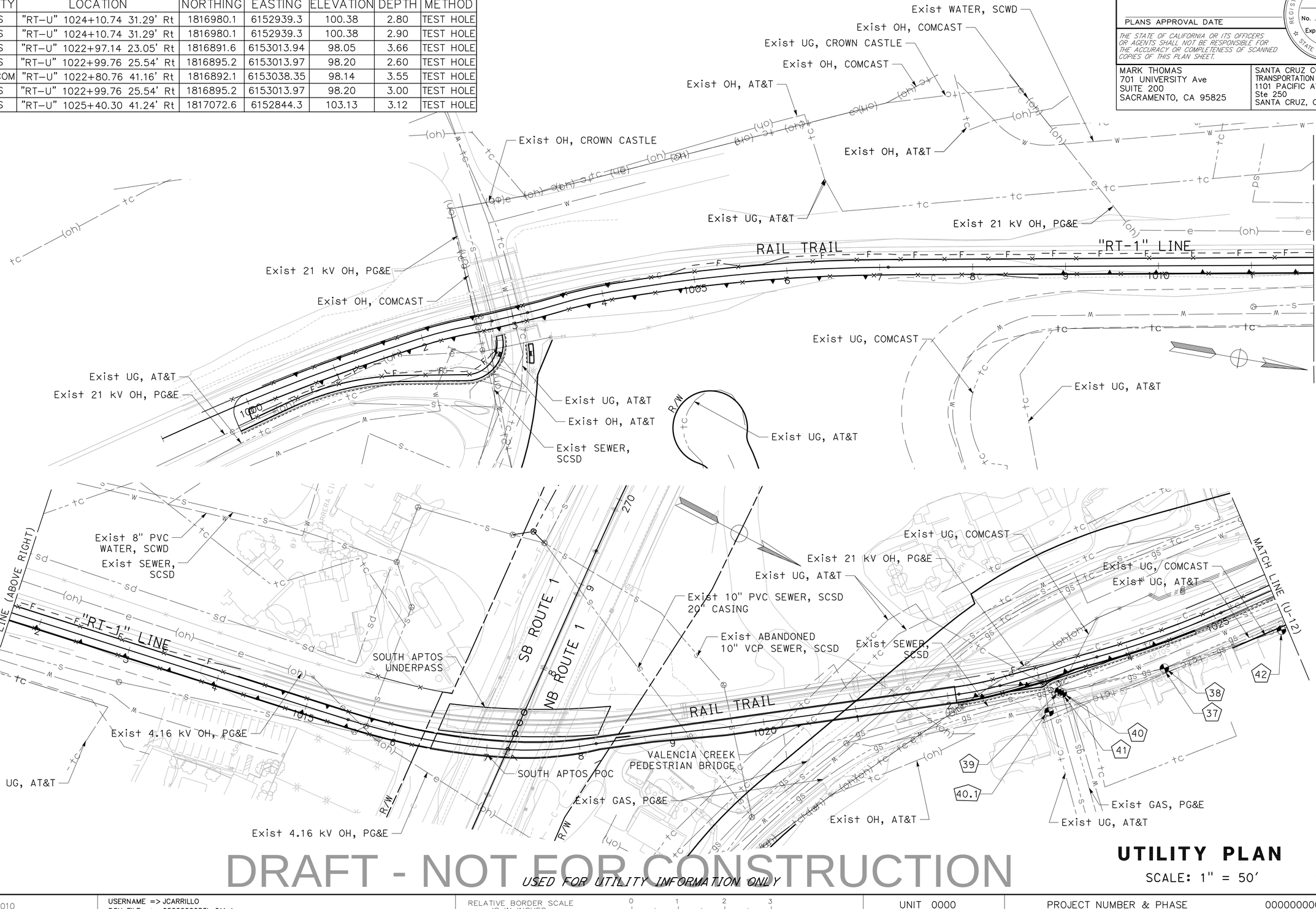
BORDER LAST REVISED 7/2/2010 | USERNAME => DDIZON | DGN FILE => 0520000083id018.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

POSITIVE LOCATION INFORMATION

No.	UTILITY	LOCATION	NORTHING	EASTING	ELEVATION	DEPTH	METHOD
37	GAS	"RT-U" 1024+10.74 31.29' Rt	1816980.1	6152939.3	100.38	2.80	TEST HOLE
38	GAS	"RT-U" 1024+10.74 31.29' Rt	1816980.1	6152939.3	100.38	2.90	TEST HOLE
39	GAS	"RT-U" 1022+97.14 23.05' Rt	1816891.6	6153013.94	98.05	3.66	TEST HOLE
40	GAS	"RT-U" 1022+99.76 25.54' Rt	1816895.2	6153013.97	98.20	2.60	TEST HOLE
40.1	TELECOM	"RT-U" 1022+80.76 41.16' Rt	1816892.1	6153038.35	98.14	3.55	TEST HOLE
41	GAS	"RT-U" 1022+99.76 25.54' Rt	1816895.2	6153013.97	98.20	3.00	TEST HOLE
42	GAS	"RT-U" 1025+40.30 41.24' Rt	1817072.6	6152844.3	103.13	3.12	TEST HOLE



DRAFT - NOT FOR CONSTRUCTION

USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	192	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER — ALAN SU — No. 66042 — Exp. 06-30-24 — CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY	DATE REVISED

CALCULATED–DESIGNED BY: JOSE CARRILLO
CHECKED BY: ALAN SU
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION: DATE PLOTTED => 9/10/2024 TIME PLOTTED => 10:09 AM
00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => JCARRILLO | DGN FILE => 0520000083ka011.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	193	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALAN SU — No. 66042 — Exp. 06-30-24 — CIVIL — STATE OF CALIFORNIA

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MARK THOMAS
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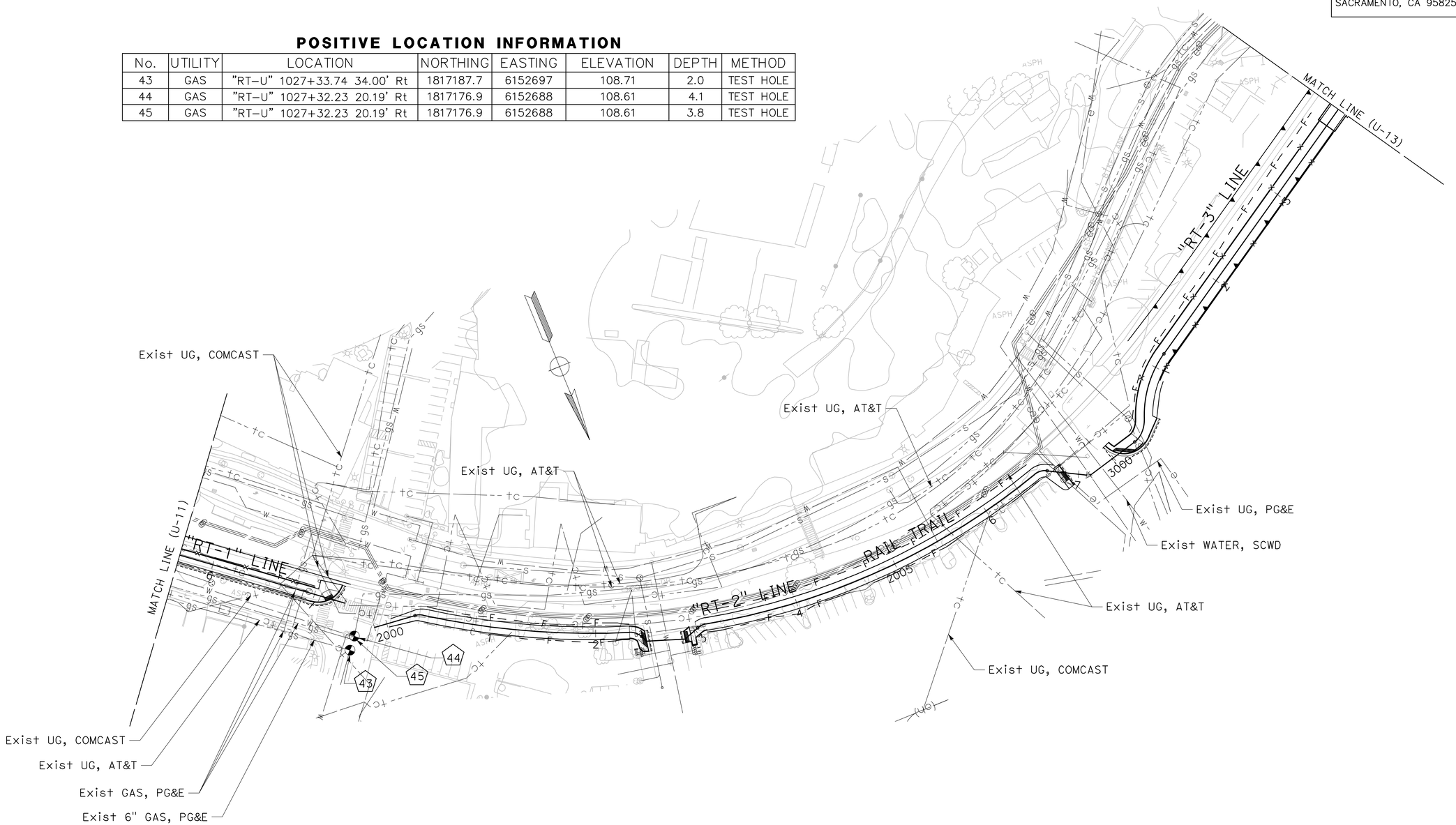
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

POSITIVE LOCATION INFORMATION

No.	UTILITY	LOCATION	NORTHING	EASTING	ELEVATION	DEPTH	METHOD
43	GAS	"RT-U" 1027+33.74 34.00' Rt	1817187.7	6152697	108.71	2.0	TEST HOLE
44	GAS	"RT-U" 1027+32.23 20.19' Rt	1817176.9	6152688	108.61	4.1	TEST HOLE
45	GAS	"RT-U" 1027+32.23 20.19' Rt	1817176.9	6152688	108.61	3.8	TEST HOLE



DRAFT - NOT FOR CONSTRUCTION

USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-12

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION — Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED–DESIGNED BY: JOSE CARRILLO

CHECKED BY: ALAN SU

REVISED BY	DATE REVISED

LAST REVISION — DATE PLOTTED => 9/5/2024 — TIME PLOTTED => 11:21 AM — 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => JCARRILLO | DGN FILE => 0520000083ka012.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	194	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER — ALAN SU — No. 66042 — Exp. 06-30-24 — CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE

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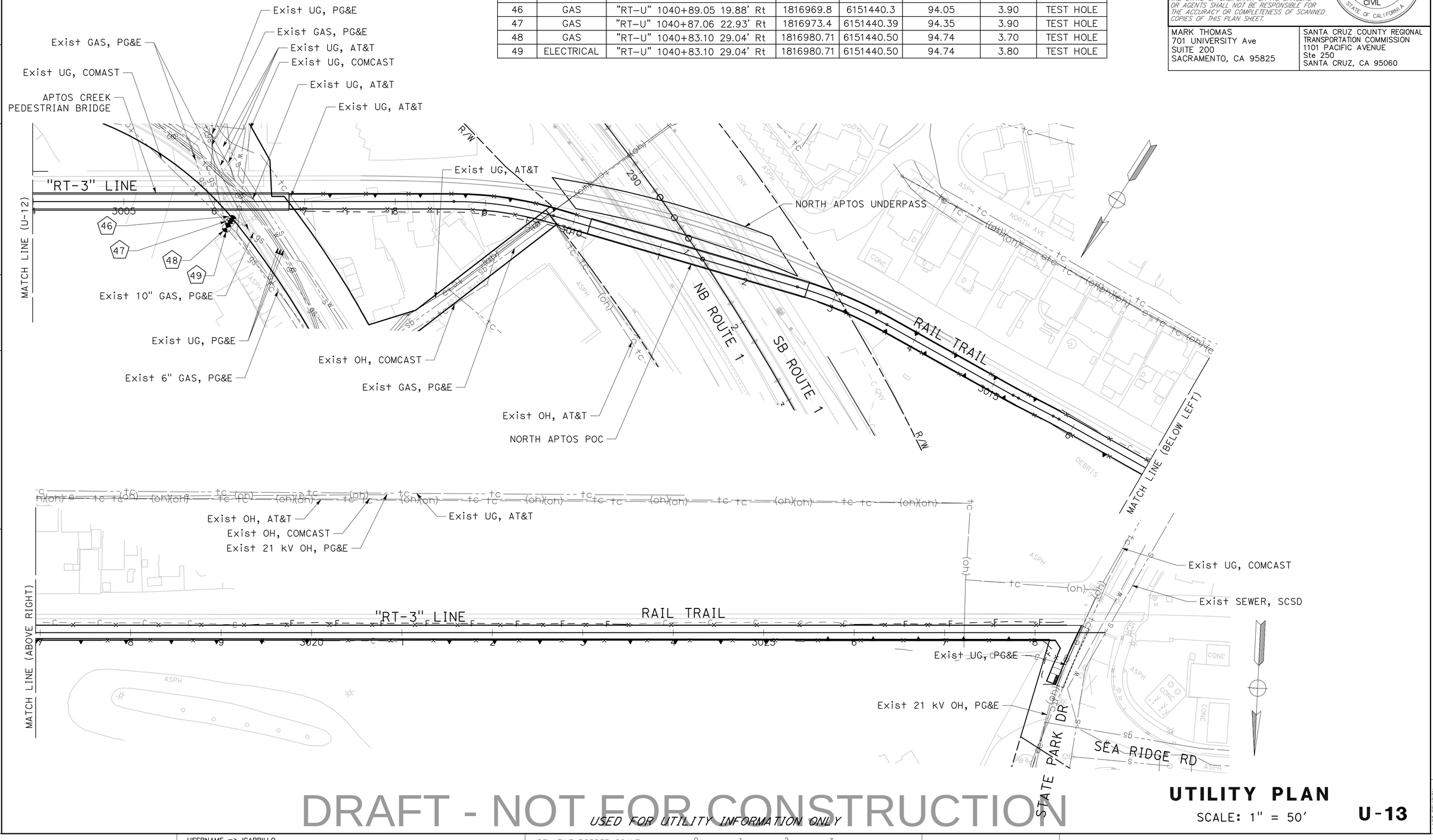
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

POSITIVE LOCATION INFORMATION

No.	UTILITY	LOCATION	NORTHING	EASTING	ELEVATION	DEPTH	METHOD
46	GAS	"RT-U" 1040+89.05 19.88' Rt	1816969.8	6151440.3	94.05	3.90	TEST HOLE
47	GAS	"RT-U" 1040+87.06 22.93' Rt	1816973.4	6151440.39	94.35	3.90	TEST HOLE
48	GAS	"RT-U" 1040+83.10 29.04' Rt	1816980.71	6151440.50	94.74	3.70	TEST HOLE
49	ELECTRICAL	"RT-U" 1040+83.10 29.04' Rt	1816980.71	6151440.50	94.74	3.80	TEST HOLE



DRAFT - NOT FOR CONSTRUCTION

USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-13

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION — Caltrans®

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED–DESIGNED BY: JOSE CARRILLO
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REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 9/10/2024
00-00-00 | TIME PLOTTED => 10:24 AM

BORDER LAST REVISED 7/2/2010

USERNAME => JCARRILLO
DGN FILE => 0520000083ka013.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	196	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

CONRAD T. WILLIAMS I No. 79003 Exp. 03/31/26 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE

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SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTE:

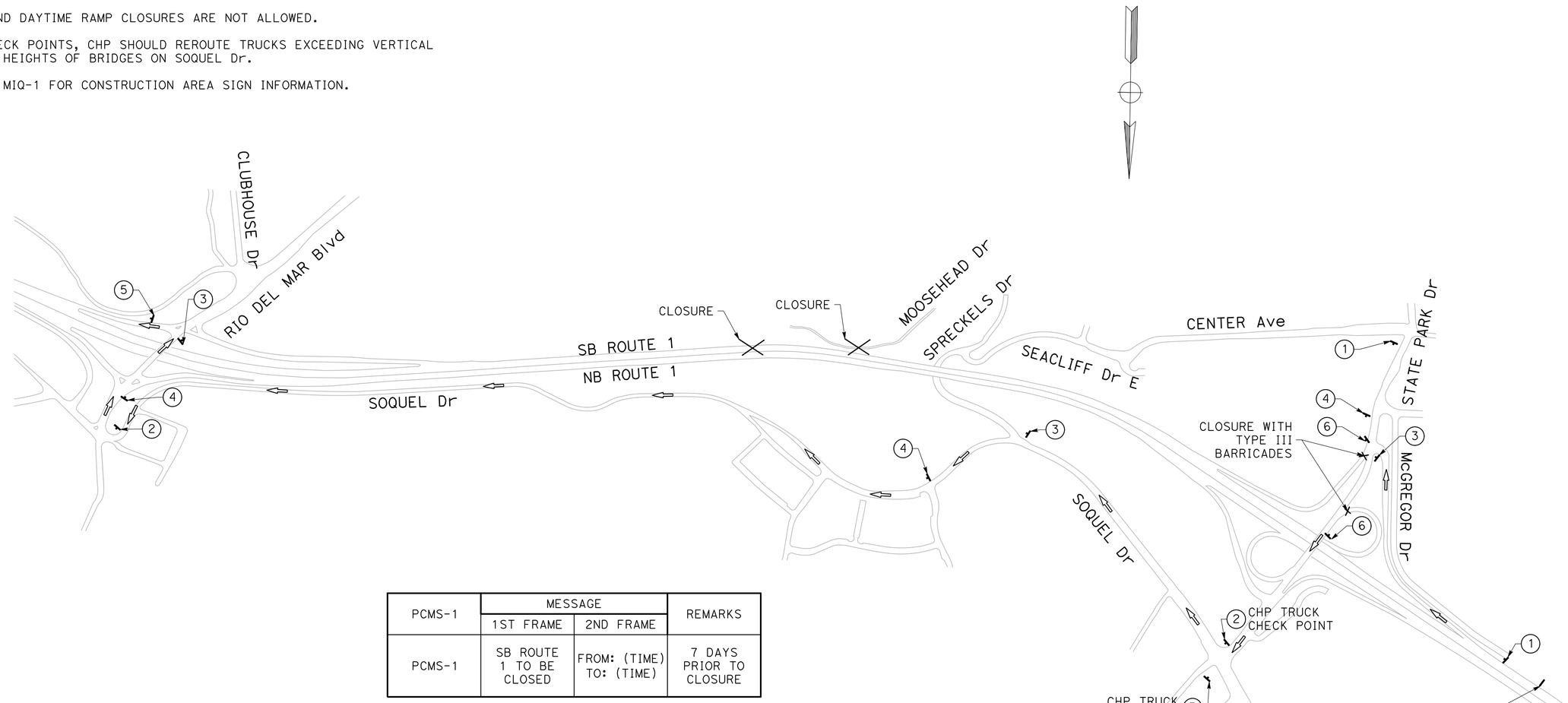
1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER.
2. FOR ADDITIONAL STATIONARY MOUNTED CONSTRUCTION AREA SIGNS, SEE STAGE CONSTRUCTION AND TRAFFIC HANDLING PLANS.
3. SIGNS SHALL BE APPROXIMATELY 50 FEET AWAY FROM THE INTERSECTION.
4. COVER ALL CONFLICTING SIGNING AS DIRECTED BY THE ENGINEER.
5. DETOUR SIGNS SHALL BE COVERED WHEN NOT IN USE.
6. FOR LANE CLOSURE AND RAMP CLOSURE DETAILS NOT SHOWN, SEE CALTRANS Std PLAN T9, T10, AND T14.
7. NO TWO CONSECUTIVE ON-RAMPS OR OFF-RAMPS MAY BE CLOSED AT THE SAME TIME.
8. WEEKEND AND DAYTIME RAMP CLOSURES ARE NOT ALLOWED.
9. AT CHP CHECK POINTS, CHP SHOULD REROUTE TRUCKS EXCEEDING VERTICAL CLEARANCE HEIGHTS OF BRIDGES ON SOQUEL Dr.
10. SEE SHEET MIQ-1 FOR CONSTRUCTION AREA SIGN INFORMATION.

LEGEND:

- DETOUR TRAFFIC ROUTE
- CONSTRUCTION AREA SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION AREA SIGN NUMBER
- CLOSURE

ABBREVIATION:

PCMS PORTABLE CHANGEABLE MESSAGE SIGN



PCMS-1	MESSAGE		REMARKS
	1ST FRAME	2ND FRAME	
PCMS-1	SB ROUTE 1 TO BE CLOSED	FROM: (TIME) TO: (TIME)	7 DAYS PRIOR TO CLOSURE

PCMS-1	MESSAGE		REMARKS
	1ST FRAME	2ND FRAME	
PCMS-1	SB ROUTE 1 TO BE CLOSED	FOLLOW DETOUR	

DETOUR ROUTE A: (SB ROUTE 1)

TAKE EXIT 435
NB ON STATE PARK Dr
EB ON SOQUEL Dr
SB ON RIO DEL MAR Blvd
TAKE SB ROUTE 1 ON-RAMP

MOTORIST INFORMATION PLAN

NO SCALE

MI-1

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR MOTORIST INFORMATION WORK ONLY

REVISED BY | DATE REVISED

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 9/4/2024
00-00-00 | TIME PLOTTED => 4:17 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	197	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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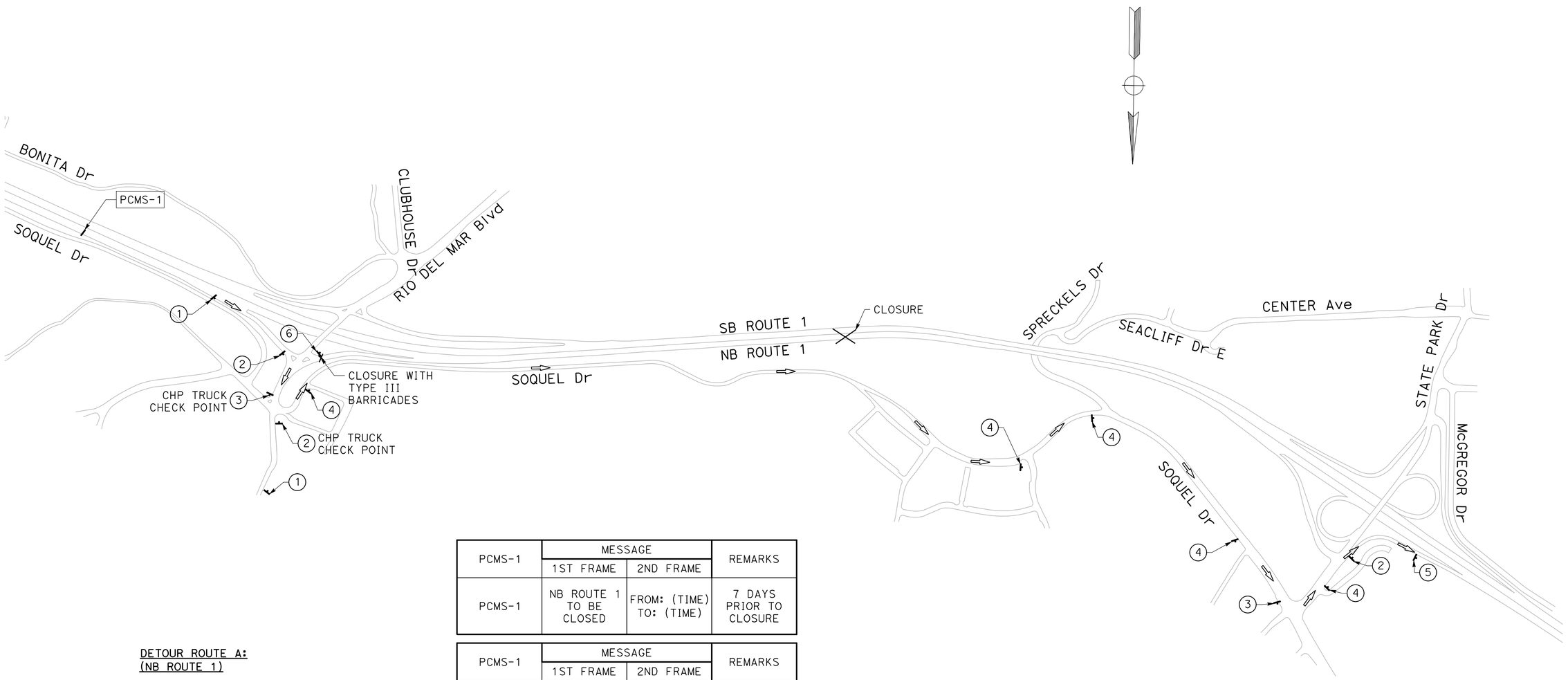
SANTA CRUZ, CA 95060



PCMS-1	MESSAGE		REMARKS
	1ST FRAME	2ND FRAME	
PCMS-1	NB ROUTE 1 TO BE CLOSED	FROM: (TIME) TO: (TIME)	7 DAYS PRIOR TO CLOSURE

PCMS-1	MESSAGE		REMARKS
	1ST FRAME	2ND FRAME	
PCMS-1	NB ROUTE 1 TO BE CLOSED	FOLLOW DETOUR	

DETOUR ROUTE A:
(NB ROUTE 1)

TAKE EXIT 433B
NB ON RIO DEL MAR Blvd
WB ON SOQUEL Dr
SB ON STATE PARK Dr
TAKE NB ROUTE 1 ON-RAMP

MOTORIST INFORMATION PLAN

NO SCALE

MI-2

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Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

REVISED BY	DATE REVISED

LAST REVISION
DATE PLOTTED => 9/4/2024
TIME PLOTTED => 4:17 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	198	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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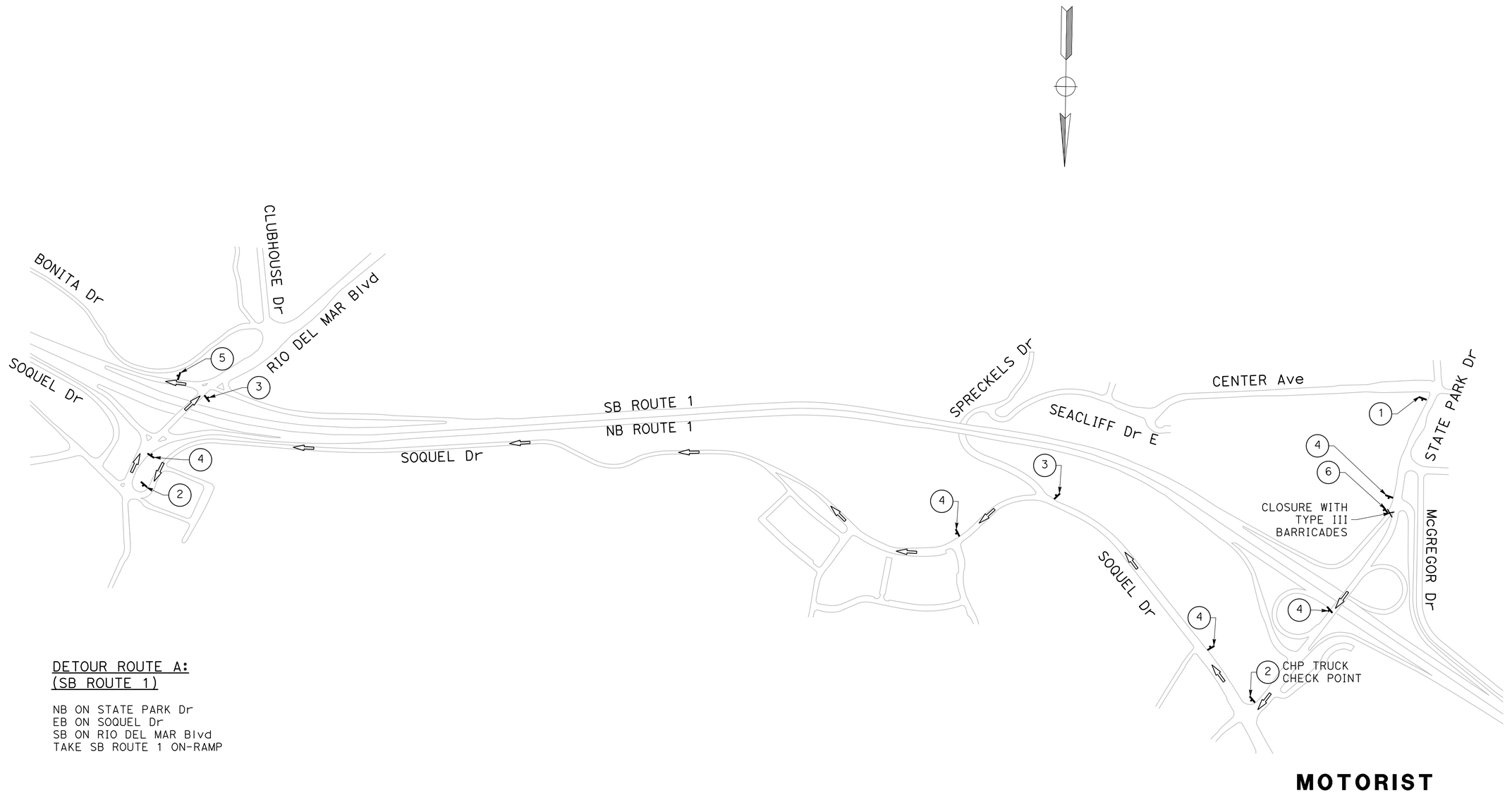
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DETOUR ROUTE A:
(SB ROUTE 1)

NB ON STATE PARK Dr
EB ON SOQUEL Dr
SB ON RIO DEL MAR Blvd
TAKE SB ROUTE 1 ON-RAMP

MOTORIST INFORMATION PLAN

NO SCALE

MI-3

DRAFT - NOT FOR CONSTRUCTION

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
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CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

REVISED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 9/4/2024
00-00-00 TIME PLOTTED => 4:17 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	199	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DETOUR ROUTE A:
(NB ROUTE 1)

NB ON RIO DEL MAR Blvd
WB ON SOQUEL Dr
SB ON STATE PARK Dr
TAKE NB ROUTE 1 ON-RAMP

MOTORIST INFORMATION PLAN

NO SCALE

MI-4

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

REVISED BY	DATE REVISED

LAST REVISION
DATE PLOTTED => 9/4/2024
TIME PLOTTED => 4:17 PM
00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	200	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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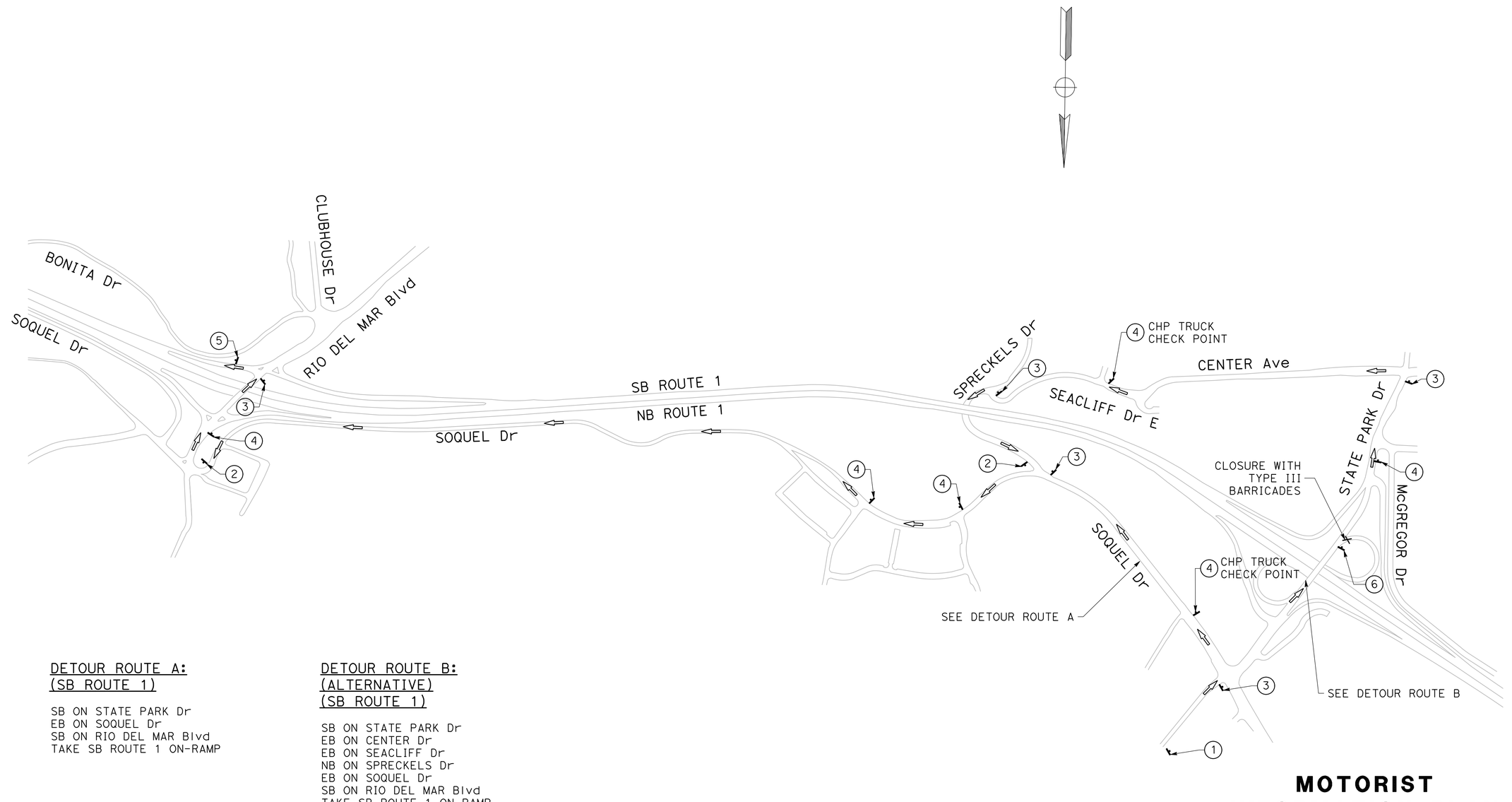
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DETOUR ROUTE A:
(SB ROUTE 1)

SB ON STATE PARK Dr
EB ON SOQUEL Dr
SB ON RIO DEL MAR Blvd
TAKE SB ROUTE 1 ON-RAMP

DETOUR ROUTE B:
(ALTERNATIVE)
(SB ROUTE 1)

SB ON STATE PARK Dr
EB ON CENTER Dr
EB ON SEACLIFF Dr
NB ON SPRECKELS Dr
EB ON SOQUEL Dr
SB ON RIO DEL MAR Blvd
TAKE SB ROUTE 1 ON-RAMP

DRAFT - NOT FOR CONSTRUCTION
APPROVED FOR MOTORIST INFORMATION WORK ONLY

MOTORIST INFORMATION PLAN

NO SCALE

MI-5

REVISED BY	DATE REVISED

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 DATE PLOTTED => 9/4/2024 TIME PLOTTED => 4:17 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => CMITCHELL | DGN FILE => 0520000083lb005.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	201	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

DETOUR ROUTE A:
(SB ROUTE 1)

TAKE EXIT 000
NB ON STATE PARK Dr
EB ON SOQUEL Dr
SB ON RIO DEL MAR Blvd
TAKE SB ROUTE 1 ON-RAMP

DRAFT - NOT FOR CONSTRUCTION
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MOTORIST INFORMATION PLAN

NO SCALE

MI-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

REVISED BY	DATE REVISED

LAST REVISION: DATE PLOTTED => 9/4/2024
00-00-00 TIME PLOTTED => 4:17 PM

BORDER LAST REVISED 7/2/2010

USERNAME => CMITCHELL
DGN FILE => 0520000083lb006.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	202	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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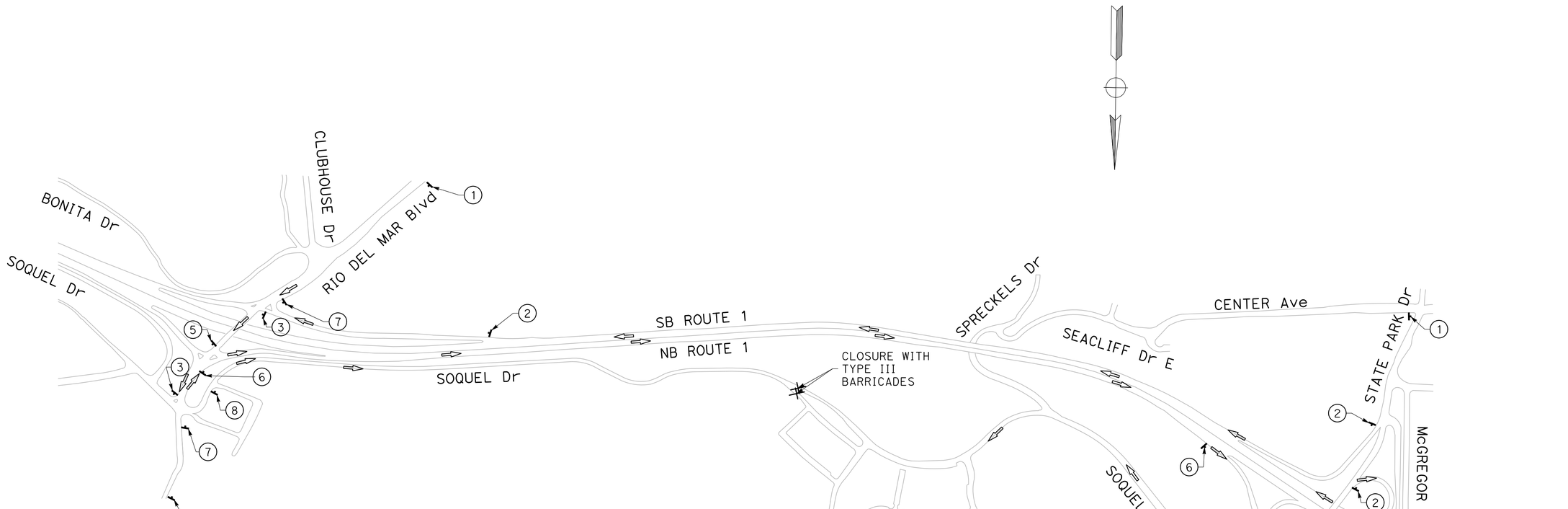
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DETOUR ROUTE A:
(SOQUEL Dr EAST)

NB ON ROUTE 1
EXIT 435
NB ON STATE PARK Dr
EB ON SOQUEL Dr

DETOUR ROUTE B:
(SOQUEL Dr WEST)

SB ON STATE PARK Dr
SB ON ROUTE 1
EXIT 433B
NB ON RIO DEL MAR Blvd
WB ON SOQUEL Dr

MOTORIST INFORMATION PLAN

NO SCALE

MI-7

DRAFT - NOT FOR CONSTRUCTION

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
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CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

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LAST REVISION: 00–00–00
DATE PLOTTED => 9/4/2024
TIME PLOTTED => 4:18 PM

BORDER LAST REVISED 7/2/2010

USERNAME => CMITCHELL
DGN FILE => 0520000083Ib007.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	203	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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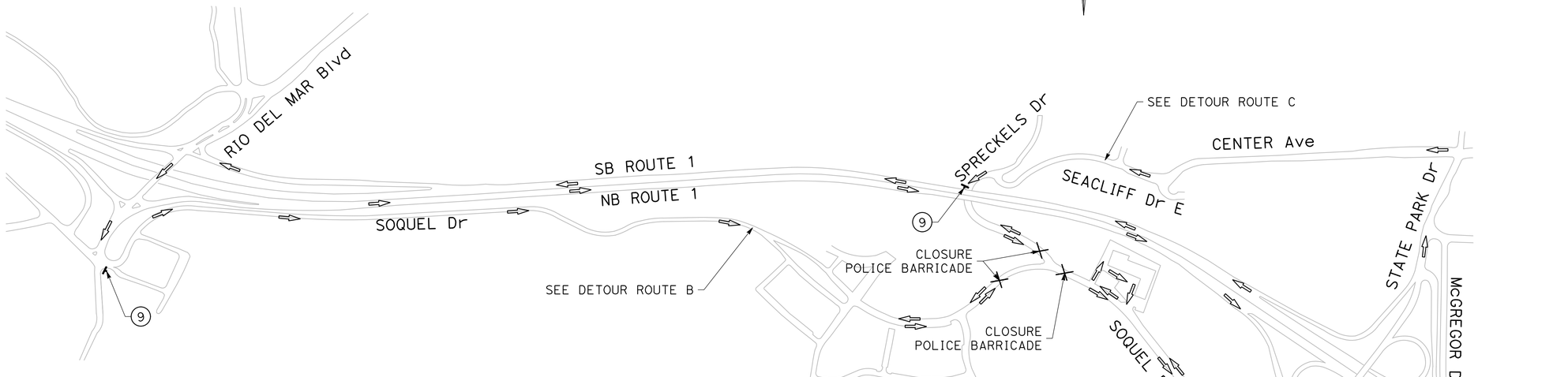
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DETOUR ROUTE A:
(SOQUEL Dr EAST)

NB ON ROUTE 1
EXIT 435
NB ON STATE PARK Dr
EB ON SOQUEL Dr

DETOUR ROUTE B:
(SOQUEL Dr WEST)

SB ON ROUTE 1
EXIT 433B
NB ON RIO DEL MAR Blvd
WB ON SOQUEL Dr

DETOUR ROUTE C:
(SPRECKLES Dr NORTH)

SB ON STATE PARK Dr
EB ON CENTER Ave
EB ON SEACLIFF Dr
NB ON SPRECKLES Dr

MOTORIST INFORMATION PLAN

NO SCALE

MI-8

DRAFT - NOT FOR CONSTRUCTION
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REVISED BY	DATE REVISED

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CHECKED BY: CONRAD WILLIAMS
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
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LAST REVISION 00-00-00
DATE PLOTTED => 9/4/2024
TIME PLOTTED => 4:18 PM

BORDER LAST REVISED 7/2/2010
USERNAME => CMITCHELL
DGN FILE => 0520000083Ib008.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	204	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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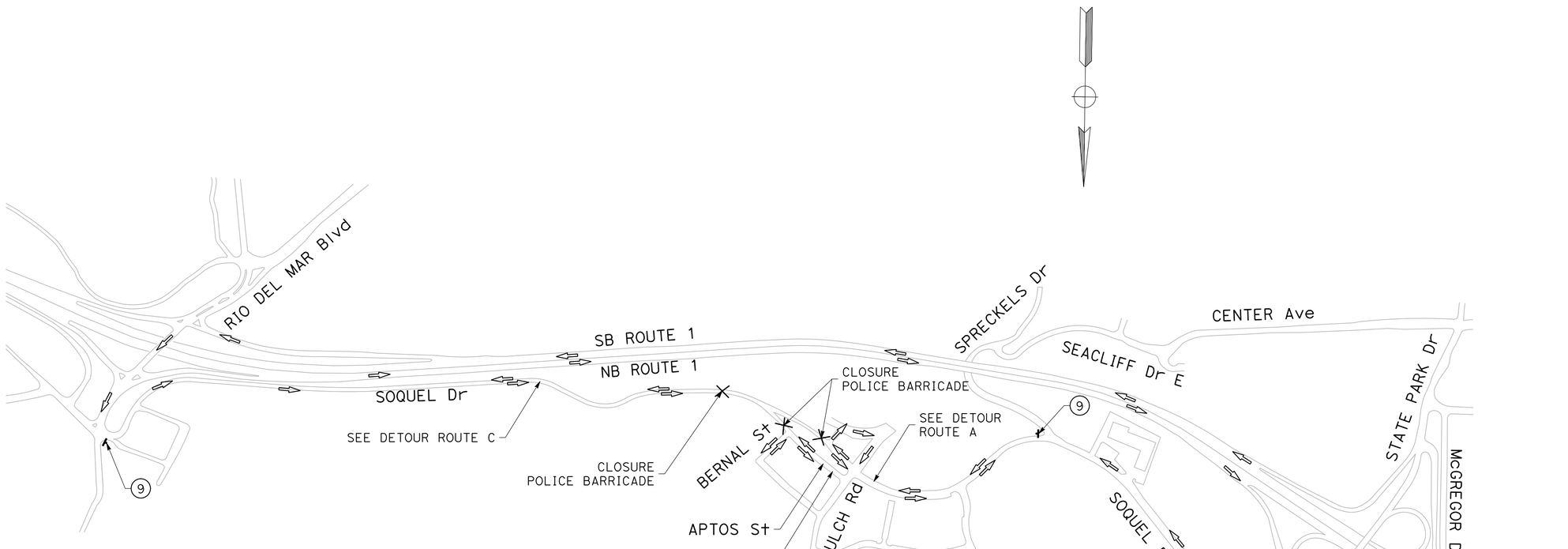

DETOUR ROUTE A:
(SOQUEL Dr EAST)

NB ON ROUTE 1
EXIT 435
NB ON STATE PARK Dr
EB ON SOQUEL Dr

DETOUR ROUTE B:
(BERNAL St NORTH)

NB ON ROUTE 1
EXIT 435
NB ON STATE PARK Dr
EB ON SOQUEL Dr
NB ON TROUT GULCH Rd
EB ON APTOS St
NB ON BERNAL St

DETOUR ROUTE C:
(SOQUEL Dr WEST)

SB ON ROUTE 1
EXIT 433B
NB ON RIO DEL MAR Blvd
WB ON SOQUEL Dr

MOTORIST INFORMATION PLAN

NO SCALE

MI-9

DRAFT - NOT FOR CONSTRUCTION

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SWIGLIA

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS

REVISED BY | DATE REVISED

LAST REVISION: 00–00–00
DATE PLOTTED => 9/4/2024
TIME PLOTTED => 4:18 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	205	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

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No. 79003
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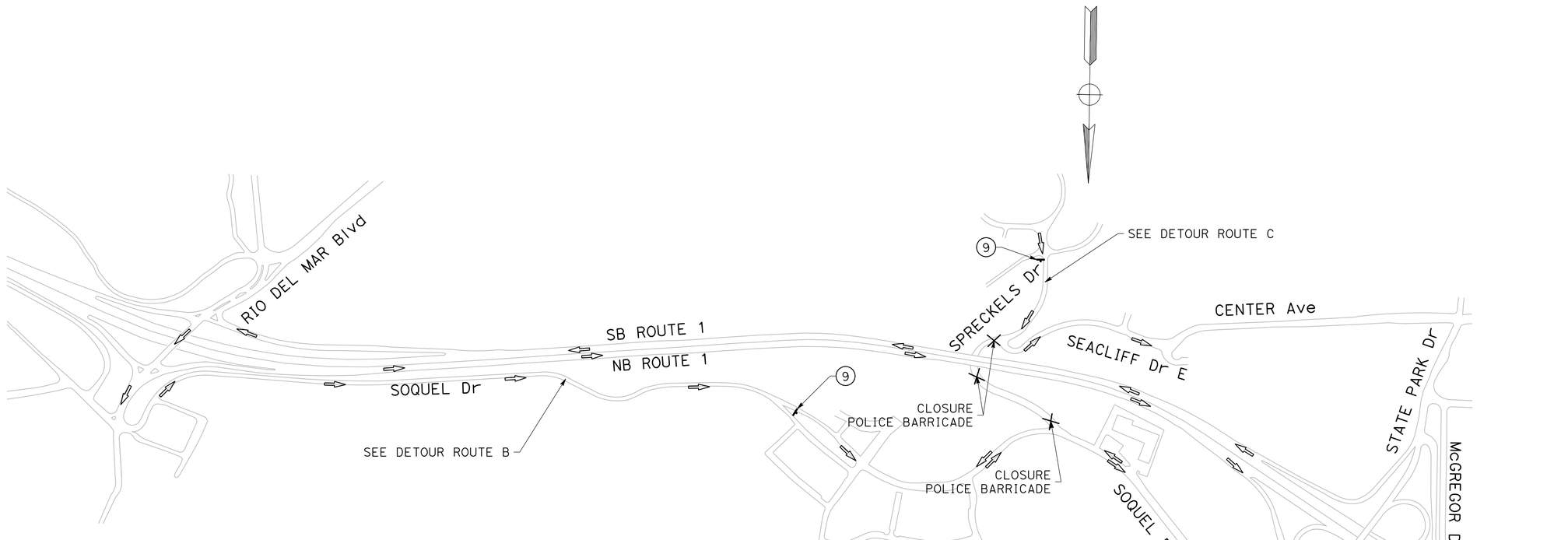


DETOUR ROUTE A:
(SOQUEL Dr EAST)

NB ON ROUTE 1
EXIT 435
NB ON STATE PARK Dr
EB ON SOQUEL Dr

DETOUR ROUTE B:
(SOQUEL Dr WEST)

SB ON ROUTE 1
EXIT 433B
NB ON RIO DEL MAR Blvd
WB ON SOQUEL Dr

DETOUR ROUTE C:
(SEACLIFF Dr WEST)

NB ON SPRECKLES Dr
WB ON SEACLIFF Dr

MOTORIST INFORMATION PLAN

NO SCALE

MI-10

DRAFT - NOT FOR CONSTRUCTION
APPROVED FOR MOTORIST INFORMATION WORK ONLY

CALCULATED–DESIGNED BY: JAZMINE LUCZON
CHECKED BY: CONRAD WILLIAMS
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SWIGLIA
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

REVISED BY	DATE REVISED

LAST REVISION: DATE PLOTTED => 9/4/2024 TIME PLOTTED => 4:18 PM
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => CMITCHELL
DGN FILE => 0520000083Ib010.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0520000083

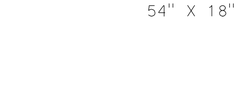
CONSTRUCTION AREA SIGNS
MOTORIST INFORMATION

SHEET	SIGN NO.	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
MI-1	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	2
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G27-2(CA)	21" x 18"	1		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	4
		G27-2(CA)	21" x 18"	1		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	3
		G27-2(CA)	21" x 18"	1		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	1
	6	SC6-4(CA)	48" x 30"	RAMP CLOSED	1 – 6" x 6"	2
	PCMS					1
MI-2	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	2
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	3
		G27-2(CA)	21" x 18"	1		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G27-2(CA)	21" x 18"	1		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	5
		G27-2(CA)	21" x 18"	1		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	1
	6	SC6-4(CA)	48" x 30"	RAMP CLOSED	1 – 6" x 6"	1
	PCMS					1
MI-3	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	1
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G27-2(CA)	21" x 18"	1		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G27-2(CA)	21" x 18"	1		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	5
		G27-2(CA)	21" x 18"	1		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	1
	6	SC6-4(CA)	48" x 30"	RAMP CLOSED	1 – 6" x 6"	1
	PCMS					1
MI-4	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	2
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G28-2(CA)	21" x 18"	1		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G28-2(CA)	21" x 18"	1		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	4
		G28-2(CA)	21" x 18"	1		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	1
	6	SC6-4(CA)	48" x 30"	RAMP CLOSED	1 – 6" x 6"	1

CONSTRUCTION AREA SIGNS
MOTORIST INFORMATION

SHEET	SIGN NO.	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
MI-5	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	1
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		G27-2(CA)	21" x 18"	1		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	5
		G27-2(CA)	21" x 18"	1		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	6
		G27-2(CA)	21" x 18"	1		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	1
	6	SC6-4(CA)	48" x 30"	RAMP CLOSED	1 – 6" x 6"	1
MI-6	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	1
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		Spec 1	54" x 18"	SOQUEL Dr		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		Spec 1	54" x 18"	SOQUEL Dr		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	5
		Spec 1	54" x 18"	SOQUEL Dr		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	1
MI-7	1	W20-2	48" x 48"	DETOUR AHEAD	1 – 4" x 6"	4
	2	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	4
		Spec 2	54" x 24"	SOQUEL Dr WEST		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	3	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		Spec 2	54" x 24"	SOQUEL Dr WEST		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	4	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	1
		Spec 2	54" x 24"	SOQUEL Dr WEST		
		M4-9(UP)	21" x 15"	UP ARROW		
	5	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	5
		Spec 2	54" x 24"	SOQUEL Dr WEST		
		M4-9(UP)	21" x 15"	UP ARROW		
		Spec 3	54" x 24"	SOQUEL Dr EAST		
		M4-9(Lt)	21" x 15"	LEFT ARROW		
	6	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	4
		Spec 3	54" x 24"	SOQUEL Dr EAST		
		M4-9(Rt)	21" x 15"	RIGHT ARROW		
	7	M4-8	24" x 18"	DETOUR	1 – 4" x 6"	2
		Spec 3	54" x 24"	SOQUEL Dr EAST		
		M4-9(UP)	21" x 15"	UP ARROW		
	8	M4-8A	24" x 18"	END DETOUR	1 – 4" x 4"	2
MI-8	9	R11-4	60" x 30"	ROAD CLOSED TO THRU TRAFFIC	1 – 6" x 6"	3
MI-9	9	R11-4	60" x 30"	ROAD CLOSED TO THRU TRAFFIC	1 – 6" x 6"	3
MI-10	9	R11-4	60" x 30"	ROAD CLOSED TO THRU TRAFFIC	1 – 6" x 6"	3

Spec 1



5" CAPS
BLACK/ORANGE

54" X 18"

Spec 2

5" CAPS
BLACK/ORANGE

54" X 24"

Spec 3

5" CAPS
BLACK/ORANGE

54" X 24"

DRAFT - NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	206	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

JAZMINE LUCZON | CONRAD WILLIAMS

CALCULATED–DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

MOTORIST INFORMATION QUANTITIES

MIQ-1

LAST REVISION DATE PLOTTED => 9/4/2024
00-00-00 TIME PLOTTED => 4:38 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	258	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CONRAD T. WILLIAMS I — No. 79003 — Exp. 03/31/26 — CIVIL — STATE OF CALIFORNIA

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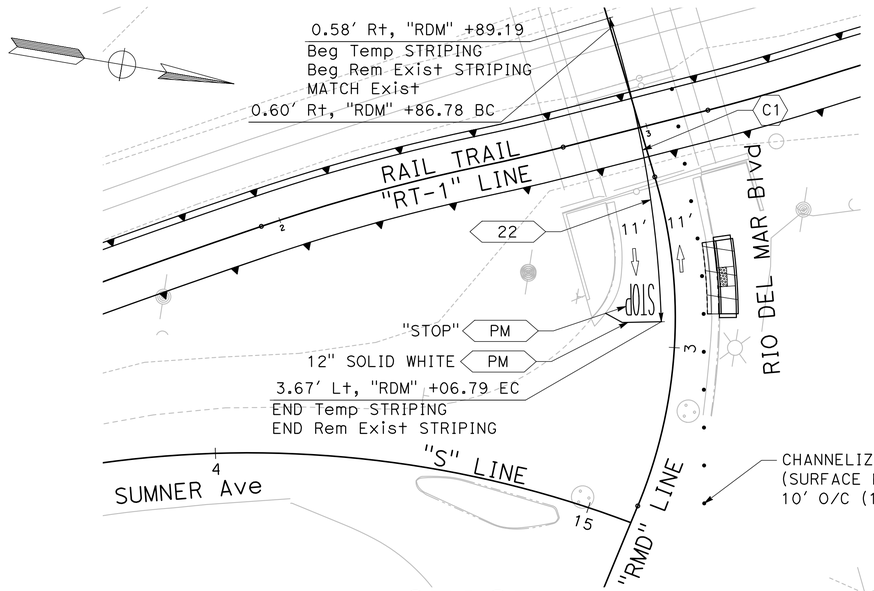
SUITE 200
SACRAMENTO, CA 95825

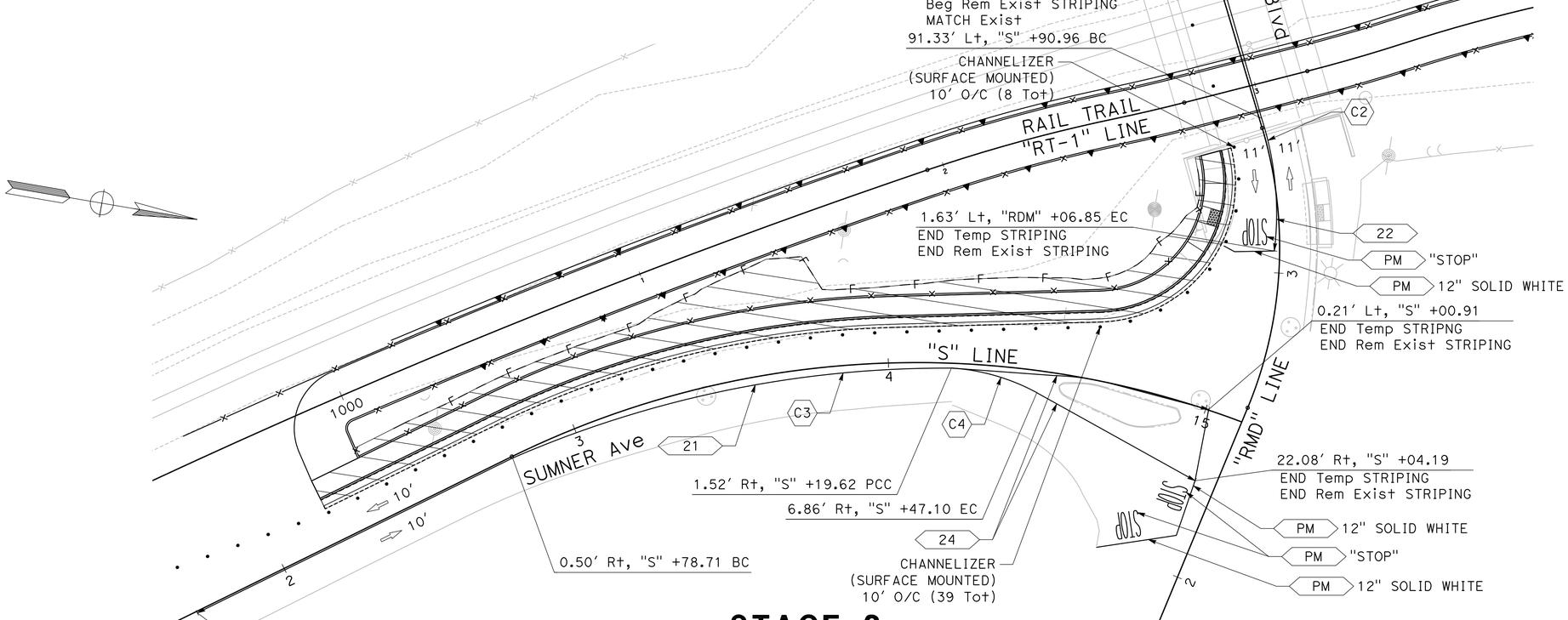
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

LEGEND:

- LIMIT OF DESIGNATED STRIPING AND DETAILS
- Alt Temp CRASH CUSHION
- CHANNELIZER (SURFACE MOUNTED)
- TEMPORARY BARRIER SYSTEM
- PERMANENT CONSTRUCTION THIS PHASE
- (#) CURVE NUMBER
- (R) REMOVE PAINTED TRAFFIC STRIPE
- (No.) PAVEMENT DELINEATION (PAINT)



STAGE 1



STAGE 2

CURVE TABLE				
CURVE (X)	RADIUS	DELTA	TANGENT	LENGTH
C1	300.00'	15°07'51"	39.84'	79.22'
C2	96.25'	24°49'00"	21.18'	41.69'
C3	336.60'	23°49'48"	71.02'	139.99'
C4	64.10'	24°51'16"	14.13'	27.81'

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

(STAGE 1 AND 2)

SCALE: 1" = 20'

TH-33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY | DATE REVISED

MADISON HALL | CONRAD WILLIAMS

LAST REVISION | DATE PLOTTED =>8/29/2024 | TIME PLOTTED =>5:33 PM | 00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => MHALL
DGN FILE => 0520000083md033.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	259	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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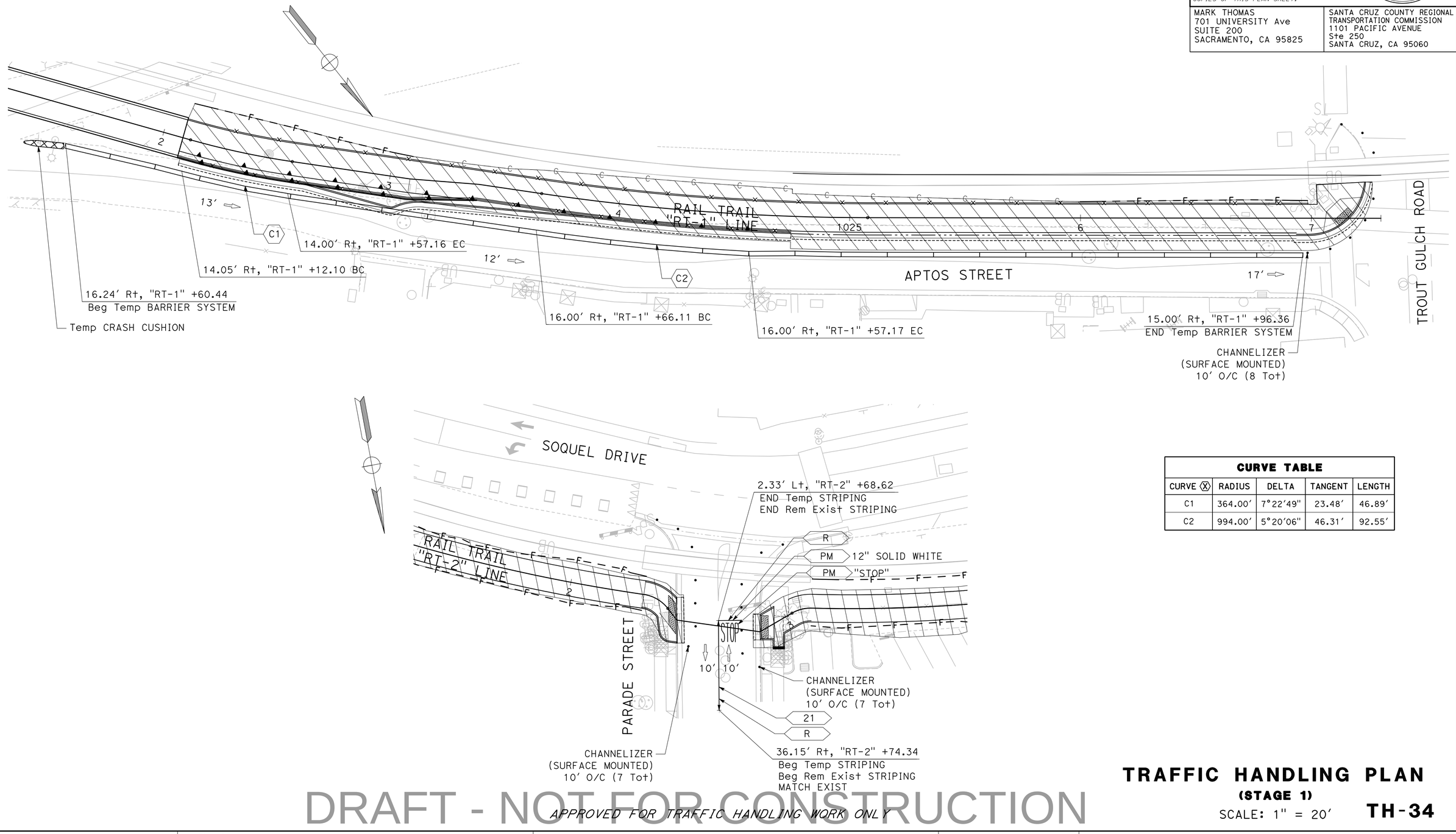
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



CURVE TABLE

CURVE (X)	RADIUS	DELTA	TANGENT	LENGTH
C1	364.00′	7°22′49"	23.48′	46.89′
C2	994.00′	5°20′06"	46.31′	92.55′

DRAFT - NOT FOR CONSTRUCTION
APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

(STAGE 1)

SCALE: 1" = 20′

TH-34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: MADISON HALL
CHECKED BY: CONRAD WILLIAMS

REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED =>8/29/2024
00-00-00 TIME PLOTTED =>5:33 PM

BORDER LAST REVISED 7/2/2010

USERNAME => MHALL
DGN FILE => 0520000083md034.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0520000083

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	260	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CONRAD T. WILLIAMS I
No. 79003
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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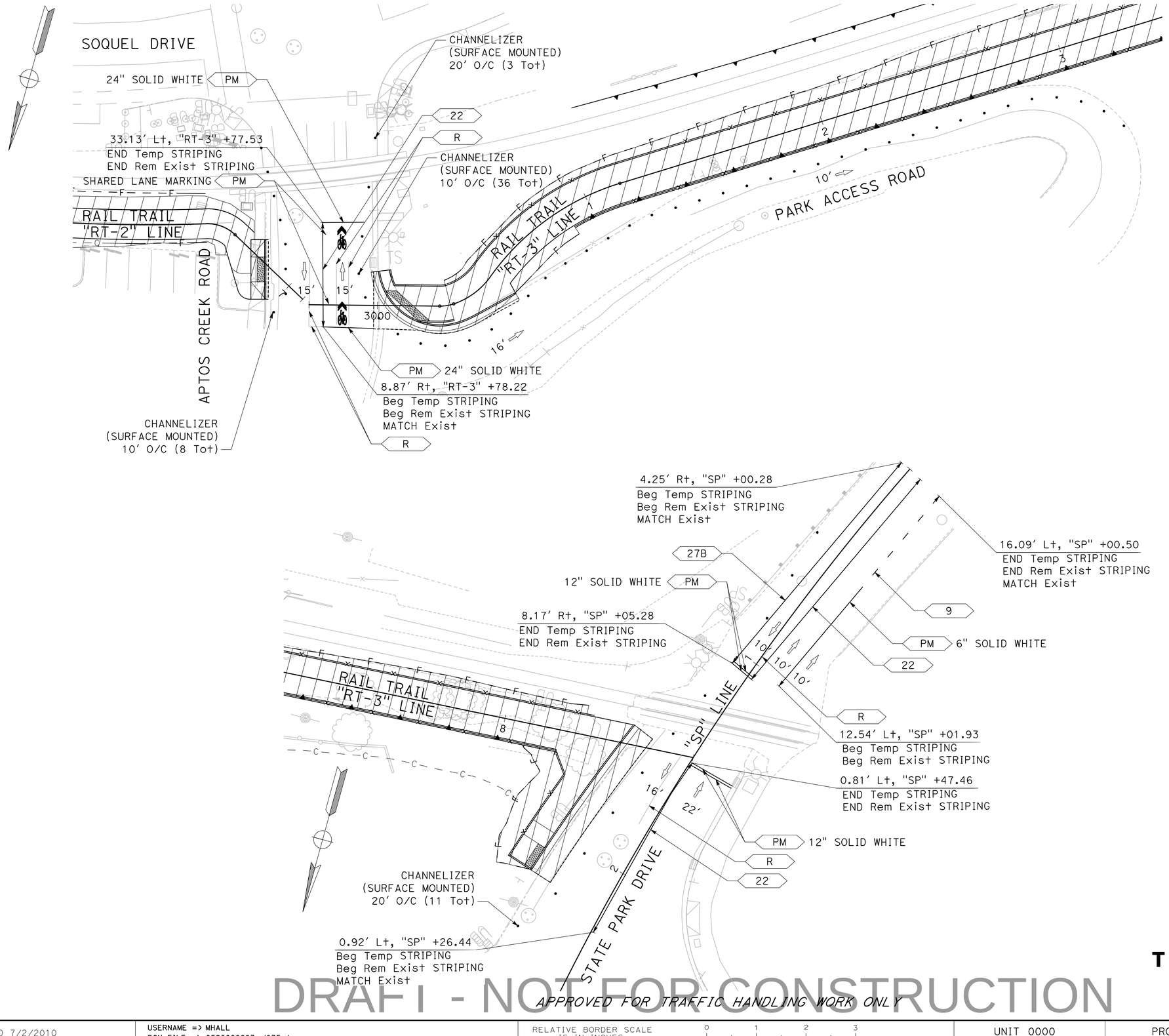
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

(STAGE 1)

SCALE: 1" = 20'

TH-35

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: MADISON HALL

CHECKED BY: CONRAD WILLIAMS

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION | DATE PLOTTED =>8/29/2024 | 00-00-00 | TIME PLOTTED =>5:33 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	285	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
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SUITE 200
SACRAMENTO, CA 95825

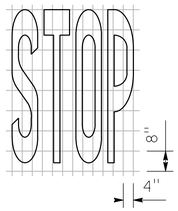
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

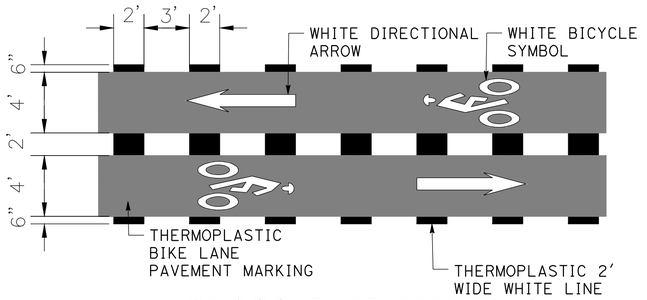
LEGEND:

- "STOP" PAVEMENT MARKING (SEE Std PLAN A24D)
- BIKE LANE ARROW (SEE Std PLAN A24A)
- WHITE BICYCLE SYMBOL (SEE CT Std PLAN A24C)
- RIGHT/LEFT ARROW (TYPE IV ARROW)
- PARKING SPACE MARKING (SEE DETAIL THIS SHEET)
- SHARED ROADWAY BICYCLE MARKING (SEE CT Std PLAN A24C)
- NARROW "STOP" PAVEMENT MARKING (SEE DETAIL THIS SHEET)



NARROW "STOP" MARKING

NO SCALE

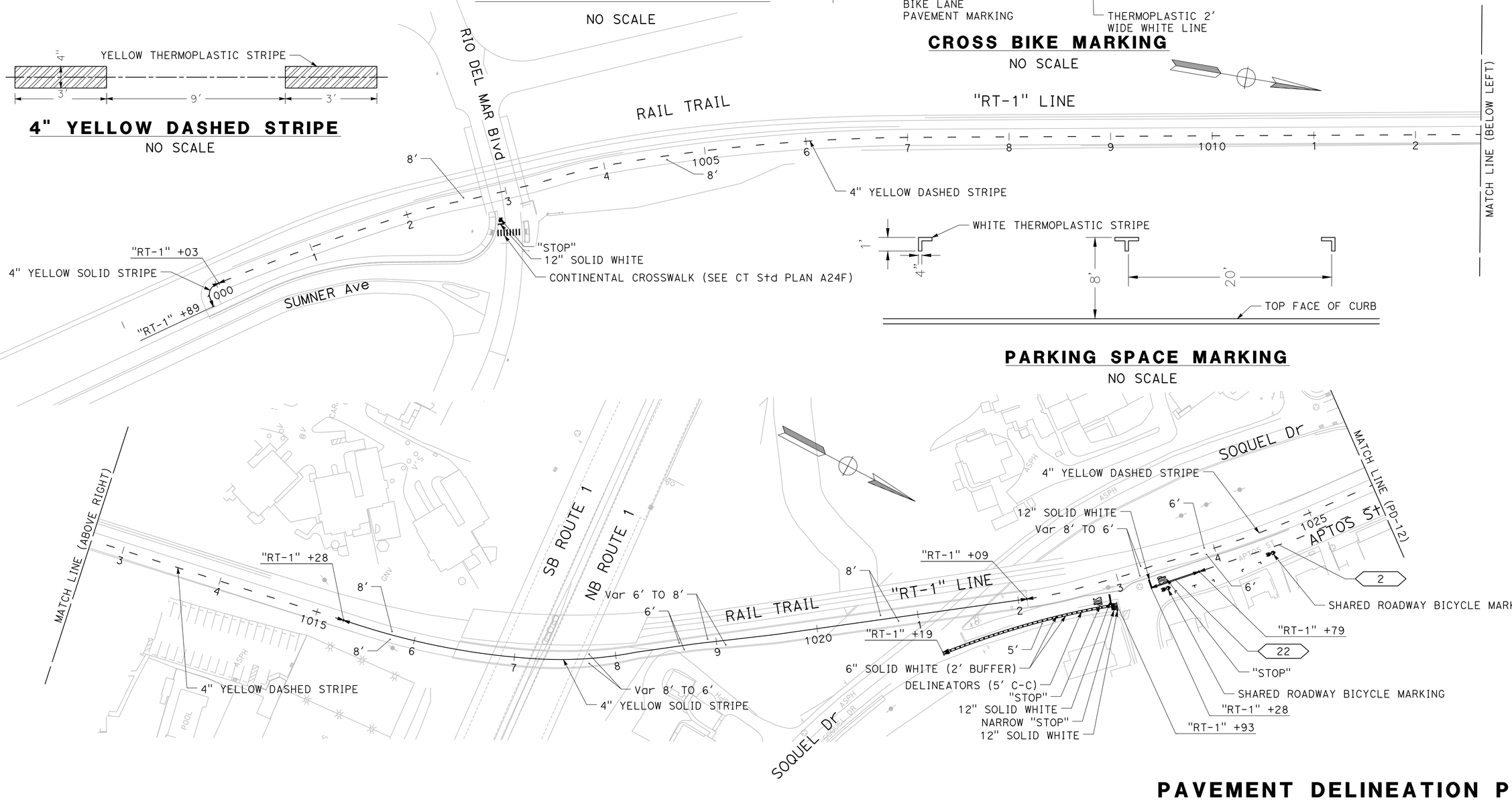


CROSS BIKE MARKING

NO SCALE

4" YELLOW DASHED STRIPE

NO SCALE



PARKING SPACE MARKING

NO SCALE

PAVEMENT DELINEATION PLAN

SCALE: 1" = 50'

PD-11

DRAFT - NOT FOR CONSTRUCTION

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION: 00-00-00
DATE PLOTTED =>9/5/2024
TIME PLOTTED =>11:57 PM

BORDER LAST REVISED 7/2/2010

USERNAME => KMCCLOSKEY
DGN FILE => 0520000083na011.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	286	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

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MARK THOMAS
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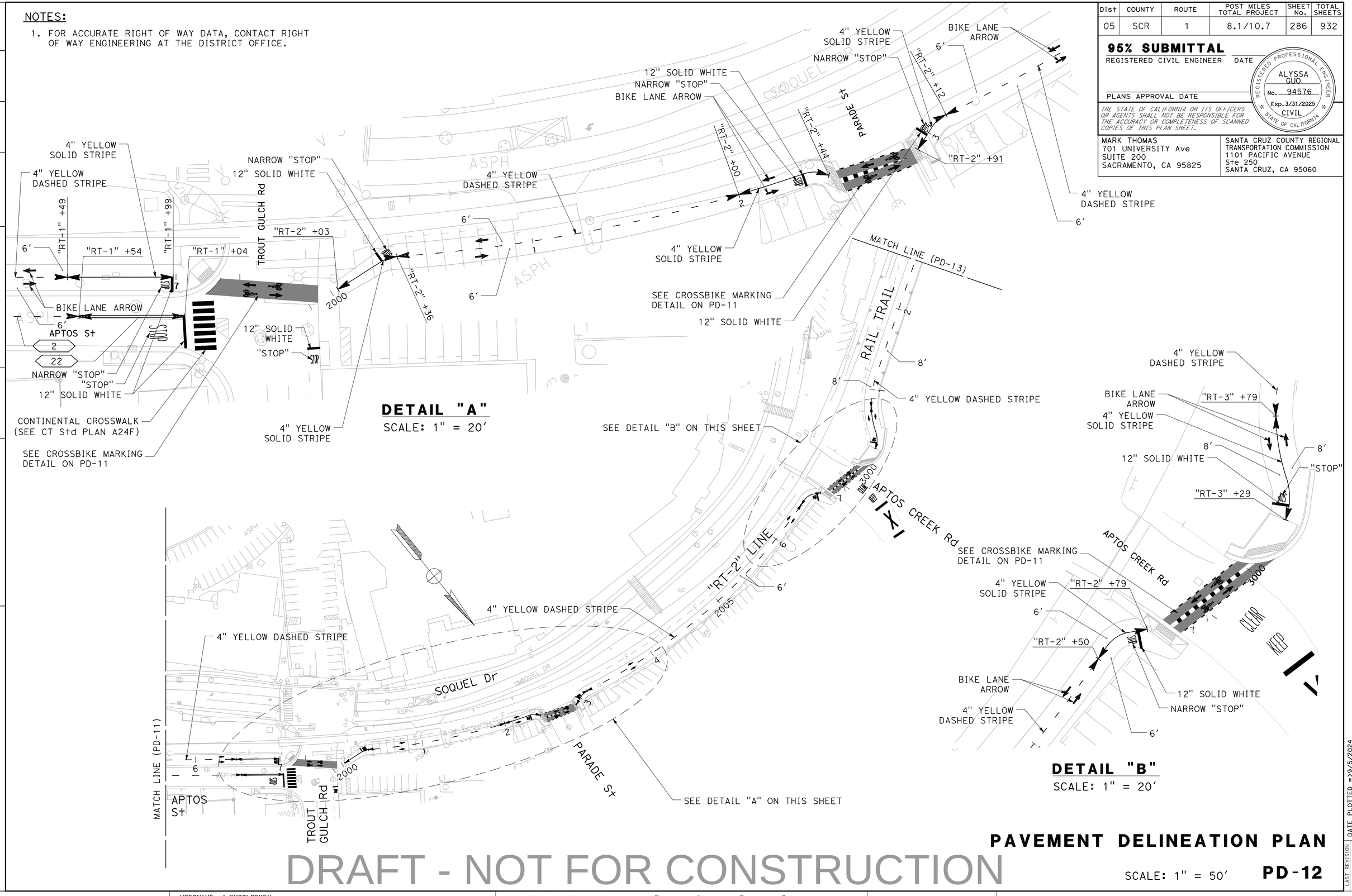
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DETAIL "A"
SCALE: 1" = 20′

DETAIL "B"
SCALE: 1" = 20′

PAVEMENT DELINEATION PLAN

SCALE: 1" = 50′ **PD-12**

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED
KIERNAN MCCLOSKEY | ALYSSA GUO
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>9/5/2024
00-00-00 | TIME PLOTTED =>11:58 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083na012.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	287	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ALYSSA GUO
No. 94576
Exp. 3/31/2025
CIVIL
STATE OF CALIFORNIA

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
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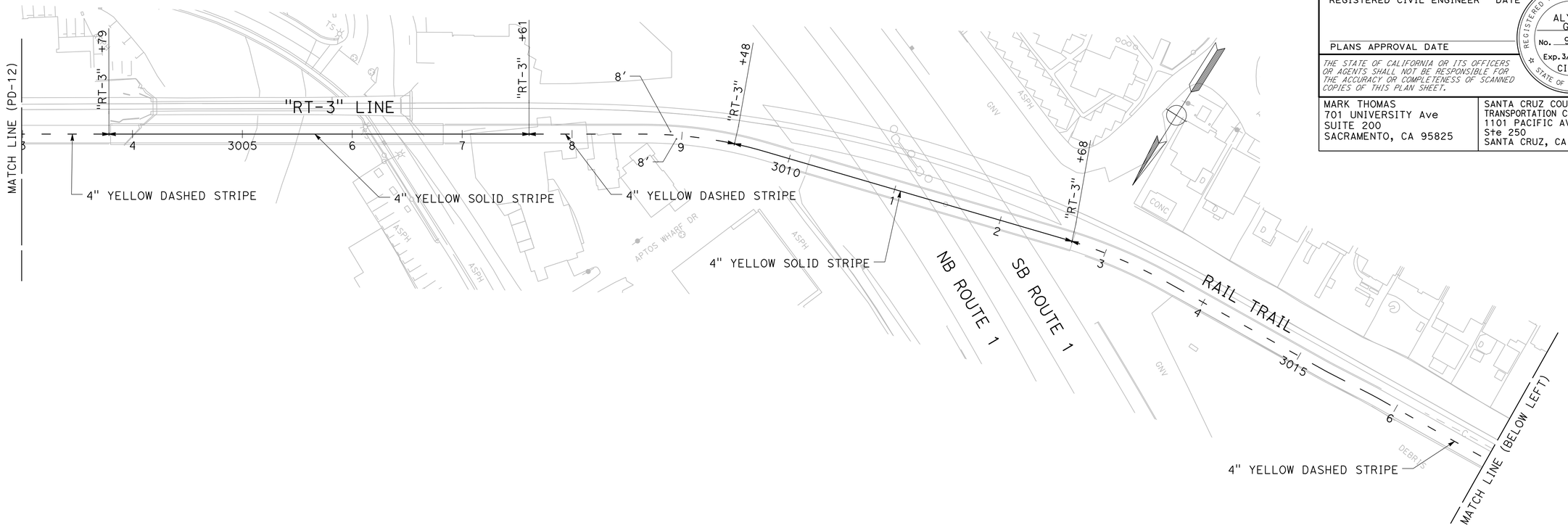
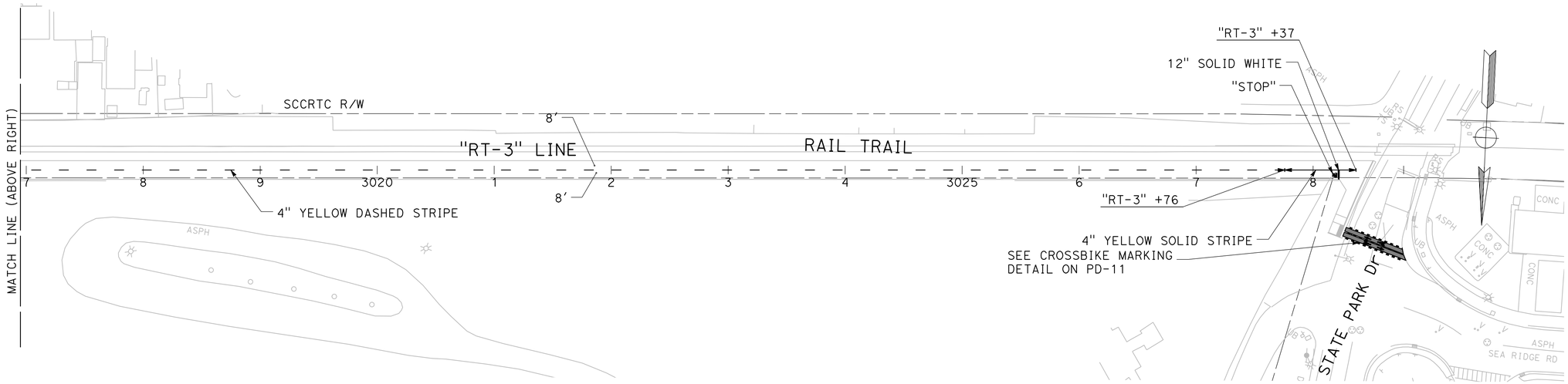
Ste 250
SANTA CRUZ, CA 95060





DRAFT - NOT FOR CONSTRUCTION

PAVEMENT DELINEATION

SCALE: 1" = 50' **PD-13**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: ALYSSA GUO

REVISED BY	DATE REVISED

LAST REVISION | DATE PLOTTED =>9/5/2024
00-00-00 | TIME PLOTTED =>11:59 PM

BORDER LAST REVISED 7/2/2010

USERNAME => KMCCLOSKEY
DGN FILE => 0520000083na013.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	287	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

RAIL TRAIL - PAVEMENT DELINEATION QUANTITIES

SHEET No.	STATION	LOCATION	DETAIL No.	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)									THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	THERMOPLASTIC PAVEMENT MARKING (GREEN)	MMC PAINT GREEN COLORED PAVEMENT MARKING	PAVEMENT MARKER			DESCRIPTION/COMMENTS
				YELLOW BROKEN		YELLOW SOLID		WHITE SOLID			WHITE BROKEN					RETROREFLECTIVE			
				4"	6"	4"	6"	6"	8"	12"	6" (18–12)	8" (12–3)				TYPE C	TYPE D	TYPE RY	
				LF									SQFT			EA			
PD–11	"RT–1" 999+88.86 TO 1000+02.66	CEN				29													
PD–11	"RT–1" 1000+02.66 TO 1015+27.68	CEN		1525															
PD–11	"RT–1" 1002+84.87 TO 1002+90.79	Rt								6									
PD–11	"RT–1" 1002+82.40 TO 1003+04.02	Rt											48						
PD–11	"RT–1" 1002+88.31	Rt											14						NARROW "STOP"
PD–11	"RT–1" 1015+27.68 TO 1022+08.65	CEN				681													
PD–11	"RT–1" 1021+19.34 TO 1022+92.83	Rt																	
PD–11 TO PD–12	"RT–1" 1022+08.65 TO 1026+48.68	CEN		443															
PD–11	"RT–1" 1022+79.11	Rt											22						"STOP"
PD–11	"RT–1" 1022+87.55 TO 1022+87.59	Rt								10									
PD–11	"RT–1" 1022+90.30	Rt											14						NARROW "STOP"
PD–11	"RT–1" 1022+92.11 TO 1022+92.83	Rt								5									
PD–11	"RT–1" 1023+28.18 TO 1023+79.22	Rt	22				50										5		
PD–11	"RT–1" 1023+28.20 TO 1023+29.20	Rt								8									
PD–11	"RT–1" 1023+37.19	Rt											22						"STOP"
PD–11	"RT–1" 1023+48.00	Rt											12						SHARED ROADWAY BICYCLE MARKING
PD–11	"RT–1" 1023+51.19	Rt											4						PARKING SPACE MARKING
PD–11 TO PD–12	"RT–1" 1023+79.22 TO 1026+54.17	Rt	2		278												6		
PD–11	"RT–1" 1024+54.67	Rt											12						SHARED ROADWAY BICYCLE MARKING
PD–12	"RT–1" 1026+54.17 TO 1027+04.17	Rt	22				50										5		
PD–12	"RT–1" 1026+30.47	Lt											4						BIKE ARROW
PD–12	"RT–1" 1026+30.47	Rt											4						BIKE ARROW
PD–12	"RT–1" 1026+95.61	Rt											22						"STOP"
PD–12	"RT–1" 1026+96.78	Rt											14						NARROW "STOP"
PD–12	"RT–1" 1026+97.68 TO 1026+98.68	Rt								5									
PD–12	"RT–1" 1027+04.17 TO 1027+05.03	Rt								15									
PD–12	"RT–1" 1027+13.66	Rt											144						
PD–12	"RT–1" 1027+22.07 TO 1999+91.60	CEN											162						
PD–12	"RT–2" 2000+31.46	Lt											14						NARROW "STOP"
PD–12	"RT–2" 2000+75.78	Lt											4						BIKE ARROW
PD–12	"RT–2" 2000+75.78	Rt											4						BIKE ARROW
PD–12	"RT–2" 2002+15.52	Lt											4						BIKE ARROW
PD–12	"RT–2" 2002+15.52	Rt											4						BIKE ARROW
PD–12	"RT–2" 2002+28.65	Rt											14						NARROW "STOP"
PD–12	"RT–2" 2002+52.08 TO 2002+84.10	CEN											144						
PD–12	"RT–2" 2002+64.92	Lt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–12	"RT–2" 2002+64.92	Rt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–12	"RT–2" 2003+00.98	Lt											14						NARROW "STOP"
PD–12	"RT–2" 2003+72.18	Lt											4						BIKE ARROW
PD–12	"RT–2" 2003+72.18	Rt											4						BIKE ARROW
PD–12	"RT–1" 1026+48.68 TO 1026+98.68	CEN				50													
PD–12	"RT–1" 1026+98.40	Rt								9									
PD–12	"RT–1" 1027+30.35	Rt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–12	"RT–1" 1027+30.35	Rt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–12	"RT–1" 1027+14.01 TO "RT–2" 1999+92.12	CEN												198					
PDQ–7 SUBTOTAL				1968	278	759	100	0	0	57	0	0	746	198	0	0	16	0	
PDQ–7 TOTAL				1968	278	859		57			0		746	198	0		16		

DRAFT - NOT FOR CONSTRUCTION

PAVEMENT DELINEATION QUANTITIES PDQ-7

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: JJHONG HUANG
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Gtrans

LAST REVISION 00-00-00
DATE PLOTTED => 9/5/2024
TIME PLOTTED => 1:56PM

BORDER LAST REVISED 7/2/2010
USERNAME => KMCCLOSKEY
DGN FILE => 0520000083nc007.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	287	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

RAIL TRAIL - PAVEMENT DELINEATION QUANTITIES

SHEET No.	STATION	LOCATION	DETAIL No.	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)									THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	THERMOPLASTIC PAVEMENT MARKING (GREEN)	MMC PAINT GREEN COLORED PAVEMENT MARKING	PAVEMENT MARKER			DESCRIPTION/COMMENTS
				YELLOW BROKEN		YELLOW SOLID		WHITE SOLID			WHITE BROKEN					RETROREFLECTIVE			
				4"	6"	4"	6"	6"	8"	12"	6" (18–12)	8" (12–3)				TYPE C	TYPE D	TYPE RY	
				LF									SQFT			EA			
PD–12	"RT–1" 1027+18.36 TO "RT–2" 1999+94.28	CEN												190					
PD–12	"RT–2" 2000+03.34 TO 2000+35.56	CEN				32													
PD–12	"RT–2" 2000+28.08	Lt								5									
PD–12	"RT–2" 2000+35.56 TO 2001+99.92	CEN		164															
PD–12	"RT–2" 2001+99.92 TO 2002+44.40	CEN				44													
PD–12	"RT–2" 2002+31.55	Rt								6									
PD–12	"RT–2" 2002+49.66 TO 2002+89.06	CEN												144					
PD–12	"RT–2" 2002+50.91 TO 2002+89.06	CEN												143					
PD–12	"RT–2" 2002+90.54 TO 2003+12.01	CEN				21													
PD–12	"RT–2" 2002+98.66	Lt								6									
PD–12	"RT–2" 2003+12.01 TO 2006+50.30	CEN		338															
PD–12	"RT–2" 2006+29.09	Lt											4						BIKE ARROW
PD–12	"RT–2" 2006+29.09	Rt											4						BIKE ARROW
PD–12	"RT–2" 2006+50.30 TO 2006+78.89	CEN				29													
PD–12	"RT–2" 2006+71.01	Rt											14						NARROW "STOP"
PD–12	"RT–2" 2006+74.50	Rt								9									
PD–12	"RT–2" 2006+89.86 TO "RT–3" 3000+02.48	CEN												181					
PD–12	"RT–2" 2006+89.86 TO "RT–3" 3000+02.48	CEN											176						
PD–12	"RT–3" 2999+73.97	Lt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–12	"RT–3" 2999+73.97	Rt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–12	"RT–2" 2006+89.86 TO "RT–3" 3000+11.83	CEN												210					
PD–12	"RT–3" 2999+72.81	Rt											136						RAILROAD CROSSING
PD–12	"RT–3" 2999+81.58	Rt											51						"KEEP CLEAR"
PD–12	"RT–3" 3000+29.34 TO 3000+79.34	CEN				50													
PD–12	"RT–3" 3000+36.37	Lt								8									
PD–12	"RT–3" 3000+39.85	Lt											14						NARROW "STOP"
PD–12	"RT–3" 3000+67.08	Lt											4						BIKE ARROW
PD–12	"RT–3" 3000+67.08	Rt											4						BIKE ARROW
PD–12 TO PD–13	"RT–3" 3000+79.34 TO 3003+78.63	CEN		299															
PD–13	"RT–3" 3003+78.63 TO 3007+60.86	CEN				379													
PD–13	"RT–3" 3007+60.86 TO 3009+48.38	CEN		188															
PD–13	"RT–3" 3009+48.38 TO 3012+68.00	CEN				320													
PD–13	"RT–3" 3012+68.00 TO 3027+75.81	CEN		1507															
PD–13	"RT–3" 3027+75.81 TO 3028+36.71	CEN				61													
PD–13	"RT–3" 3028+21.91	Rt								8									
PD–13	"RT–3" 3028+18.56	Rt											14						NARROW "STOP"
PD–13	"RT–3" 3028+25.41 TO 3028+77.40	Rt												183					
PD–13	"RT–3" 3028+25.41 TO 3028+77.40	Rt												196					
PD–13	"RT–3" 3028+25.41 TO 3028+77.40	Rt											206						
PD–13	"RT–3" 3028+43.89	Rt											11						BIKE ARROW & BIKE LANE SYMBOL
PD–13	"RT–3" 3028+43.89	Rt											11						BIKE ARROW & BIKE LANE SYMBOL
PDQ–8 SUBTOTAL		2497	0	936	0	0	0	42	0	0			669	1248	0	0	0	0	
PDQ–8 TOTAL		2497	0	936		42			0				669	1248	0	0			

PDQ–7 TOTAL	1968	278	859	57	0	746	198	0	16	
PDQ–8 TOTAL	2497	0	936	42	0	669	1248	0	0	
RAIL TRAIL GRAND TOTAL	4464	278	1795	99	0	1415	1446	0	16	

MAINLINE GRAND TOTAL	0	0	30220	43116	37314	3195	0	42998	2415	
RAIL TRAIL GRAND TOTAL	4464	278	1795	99	0	1415	1446	0	16	
PROJECT TOTAL	4464	278	32016	43215	37314	4609	1446	42998	2431	

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PAVEMENT DELINEATION QUANTITIES PDQ-8

REVISED BY | DATE REVISED

JJHONG HUANG | ALYSSA GUO

CALCULATED-DESIGNED BY | CHECKED BY

ZACHARY SIVIGLIA

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION | DATE PLOTTED =>9/5/2024 | TIME PLOTTED =>1:19:6PM | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083nc008.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	306	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ALYSSA GUO
No. 94576
Exp. 3/31/2025
CIVIL
STATE OF CALIFORNIA

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MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

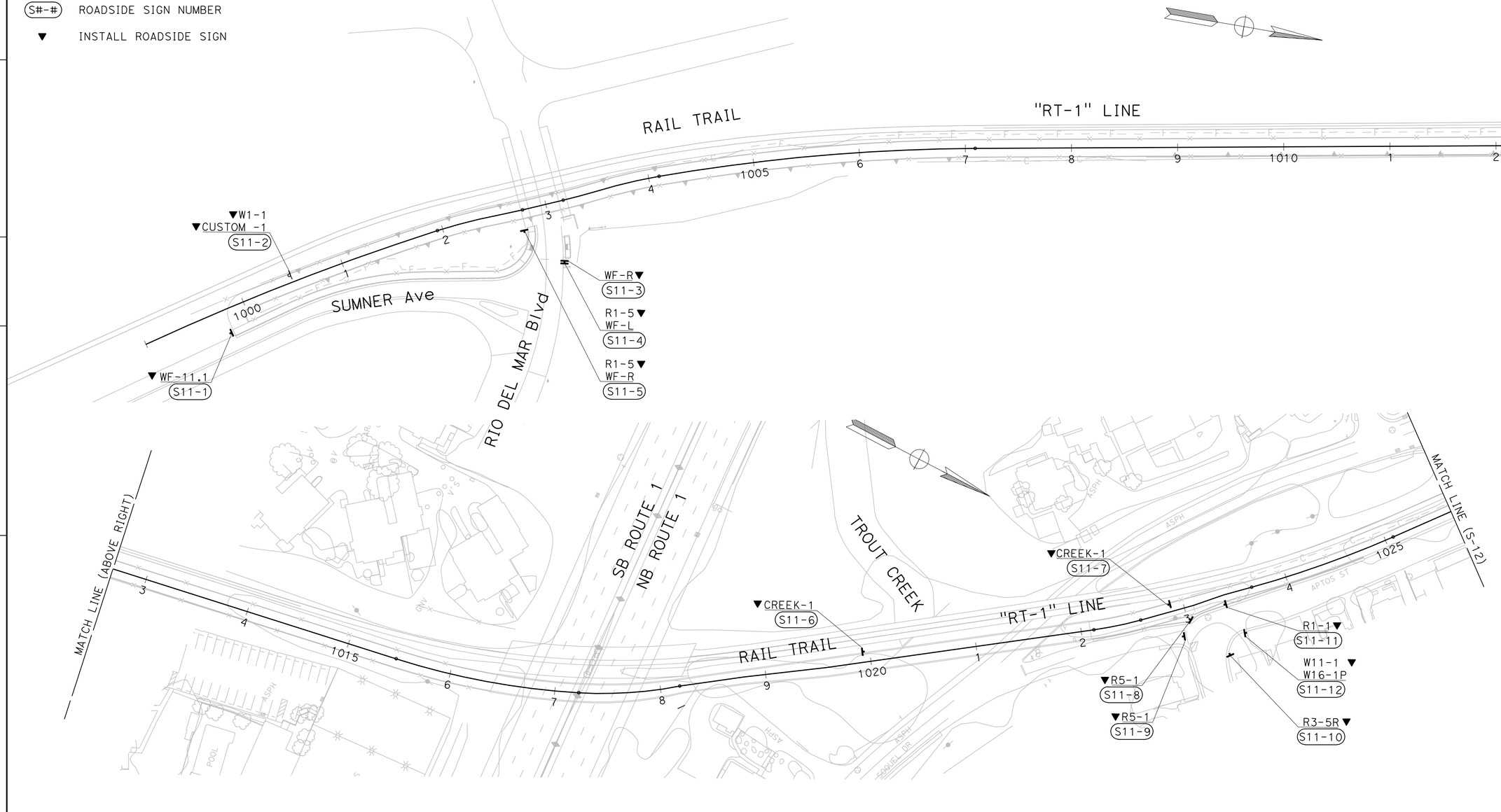
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

3. SEE SHEET SD-1 FOR SIGN DETAILS.

LEGEND AND ABBREVIATIONS:

- ONE POST SIGN
- SIGN MOUNTED TO RETAINING WALL SEE SHEET SD-13 FOR MOUNTING DETAILS
- (S#-#) ROADSIDE SIGN NUMBER
- ▼ INSTALL ROADSIDE SIGN



DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR SIGN WORK ONLY

SIGN PLAN

SCALE: 1" = 50'

S-11

REVISED BY | DATE REVISED

KIERNAN MCCLOSKEY | ALYSSA GUO

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION: DATE PLOTTED =>9/5/2024
00-00-00 TIME PLOTTED =>4:50 PM

BORDER LAST REVISED 7/2/2010

USERNAME => AGUO
DGN FILE => 0520000083oa011.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	307	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ALYSSA GUO
No. 94576
Exp. 3/31/2025
CIVIL
STATE OF CALIFORNIA

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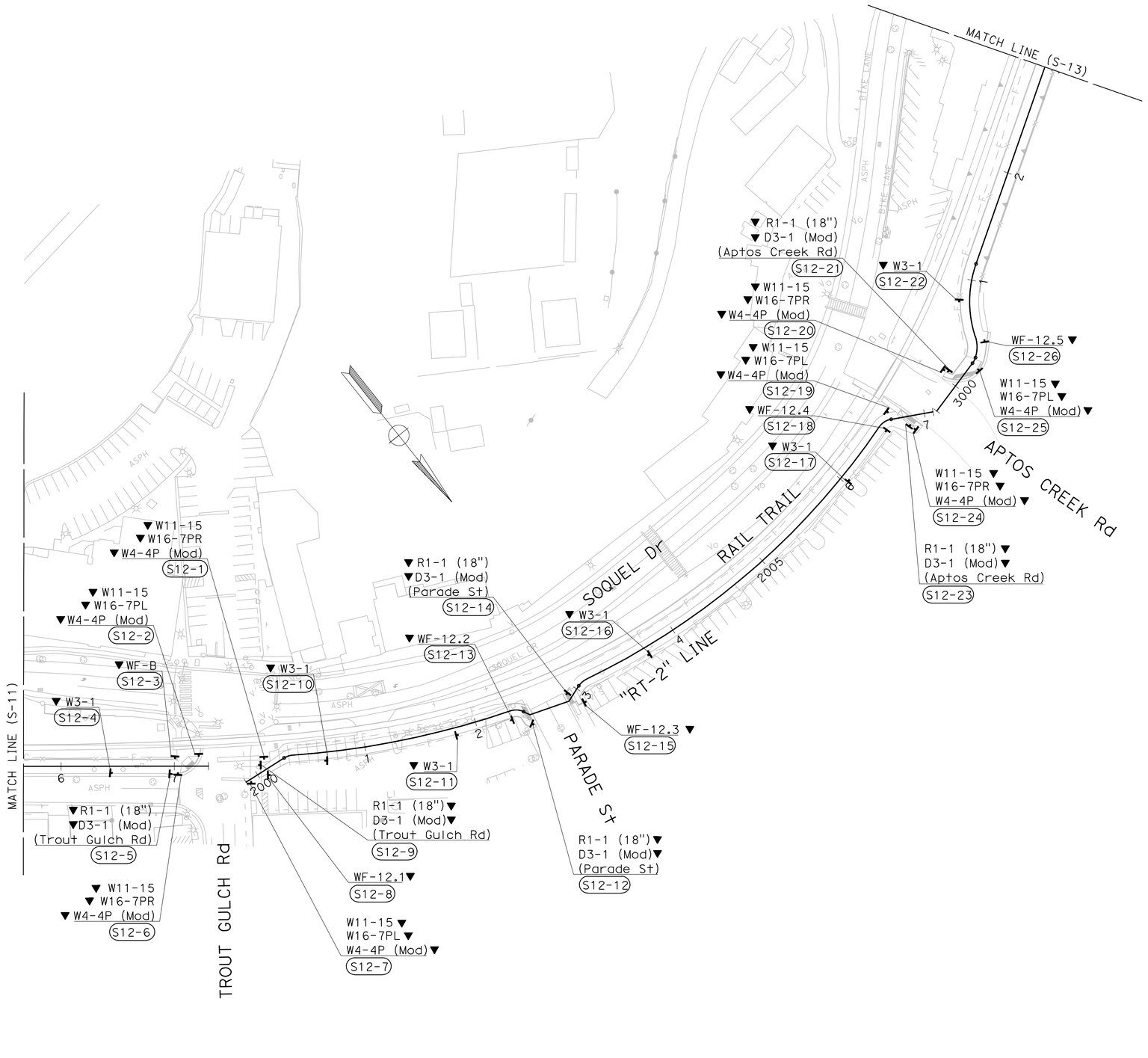
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR SIGN WORK ONLY

SIGN PLAN

SCALE: 1" = 50'

S-12

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION: DATE PLOTTED =>9/5/2024
00-00-00 TIME PLOTTED =>4:58 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083oa012.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	308	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

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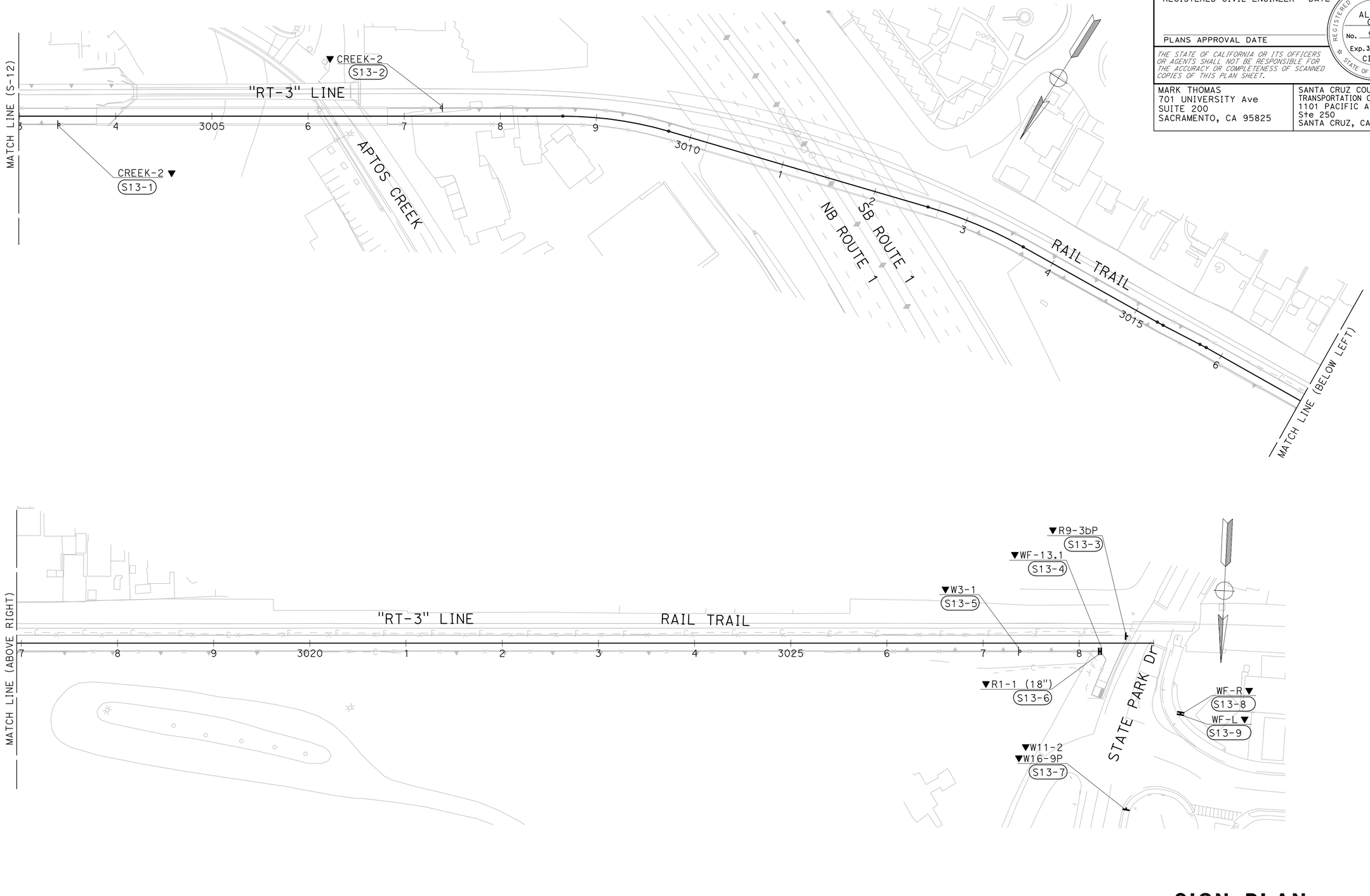
MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060



DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR SIGN WORK ONLY

SIGN PLAN

SCALE: 1" = 50'

S-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY

CHECKED BY: ALYSSA GUO

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED =>9/5/2024
00-00-00 | TIME PLOTTED =>4:59 PM

BORDER LAST REVISED 7/2/2010

USERNAME => KMCCLOSKEY
DGN FILE => 0520000083oa013.dwg

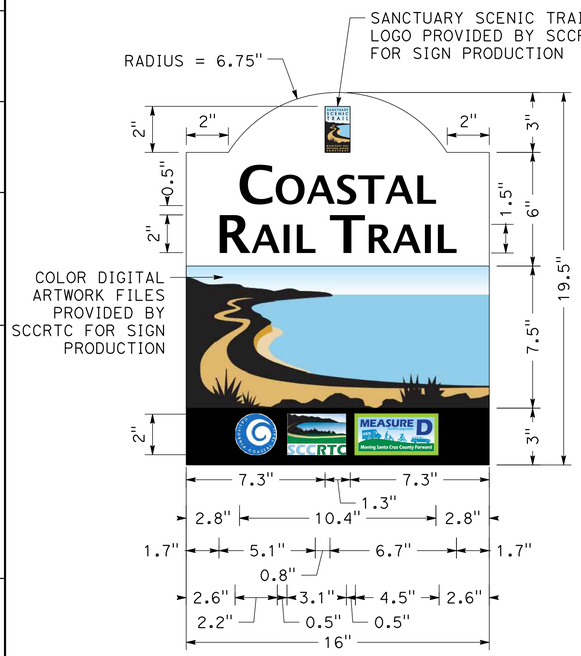
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR NOTES, SEE SHEET SD-1.

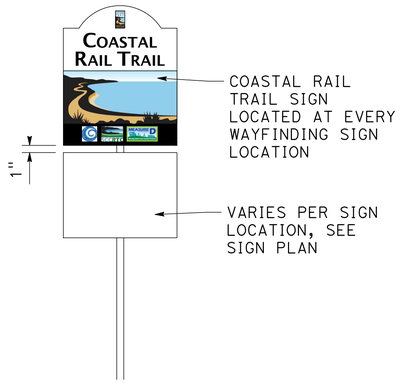


White ON Brown;
SANCTUARY SCENIC TRAIL LOGO;
"Coastal", Lucida Sans;
"Rail Trail", Lucida Sans;

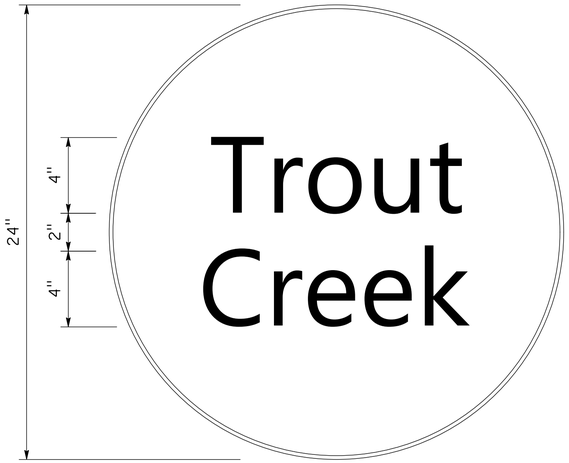
RAIL TRAIL IMAGE;

White ON Black;
CALIFORNIA COASTAL TRAIL LOGO; SCCRTC LOGO; MEASURE D LOGO;

WAYFINDING SIGN LAYOUT DETAIL

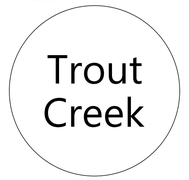


CREEK SIGN DETAIL

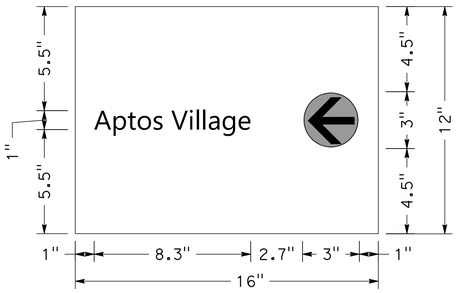


12" Radius Circle, 0.4" Border, White ON Blue;
"Trout", Segoe UI;
"Creek", Segoe UI;

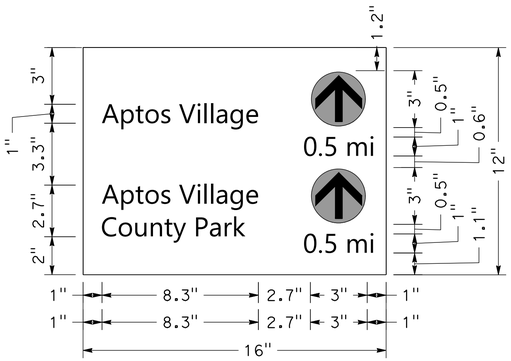
CREEK-1



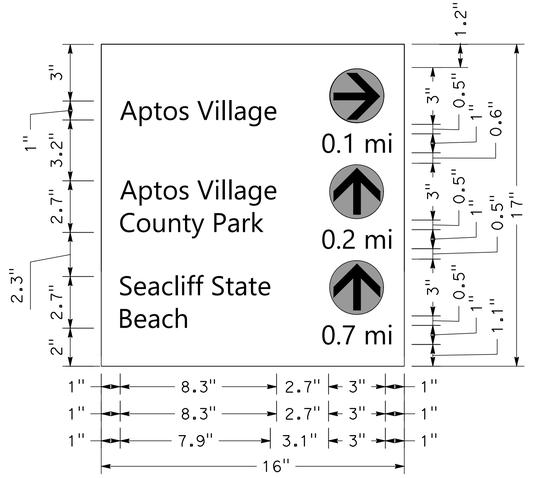
CREEK-2



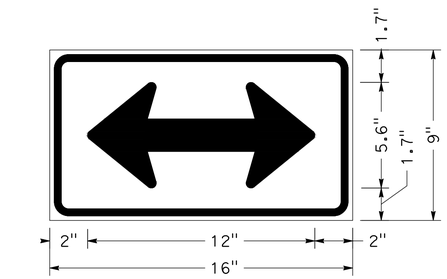
White ON Green;
"Aptos Village", Segoe UI; LEFT ARROW;



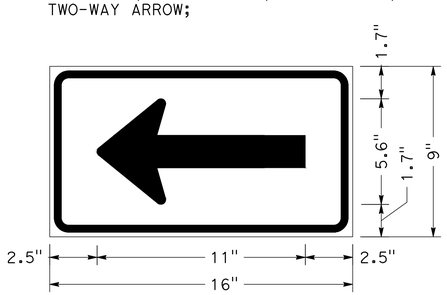
White ON Green;
"Aptos Village", Segoe UI; UP ARROW;
".5 mi", Segoe UI;
"Aptos Village County Park", Segoe UI; UP ARROW;
".5 mi", Segoe UI;



White ON Green;
"Aptos Village", Segoe UI; RIGHT ARROW;
".1 mi", Segoe UI;
"Aptos Village County Park", Segoe UI; UP ARROW;
".2 mi", Segoe UI;
".1 mi", Segoe UI;
"Seacliff State Beach", Segoe UI; UP ARROW;
".7 mi", Segoe UI;



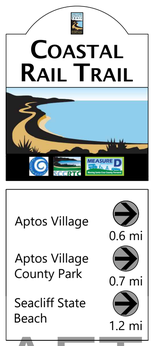
1" Radius, 0.4" Border, 0.2" Indent, White ON Green;
TWO-WAY ARROW;



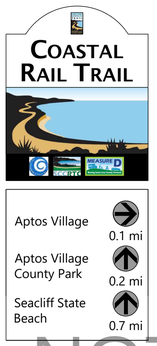
1" Radius, 0.4" Border, 0.2" Indent, White ON Green;
LEFT ARROW;

NOTE: FOR RIGHT ARROW, MIRROR THIS DETAIL

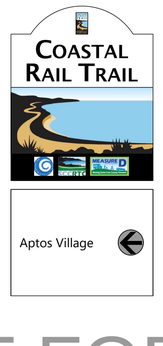
WF-11.1



WF-12.1

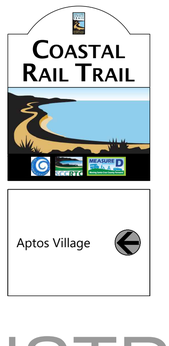


WF-12.2

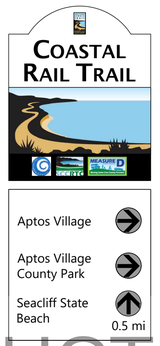


WF-12.3

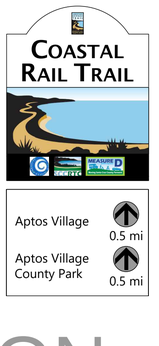
WF-12.4



WF-12.5

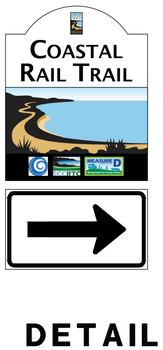


WF-13.1

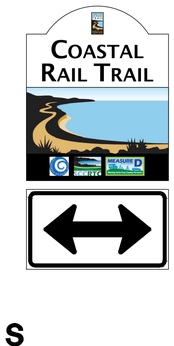


WF-L

WF-R



WF-B



DRAFT - NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	319	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALYSSA GUO No. 94576 Exp. 3/31/2025 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

SIGN DETAILS

NOT TO SCALE

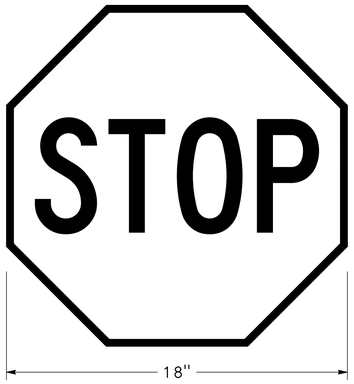
SD-11

LAST REVISION DATE PLOTTED =>9/5/2024
00-00-00 TIME PLOTTED =>2:15 PM

NOTES:

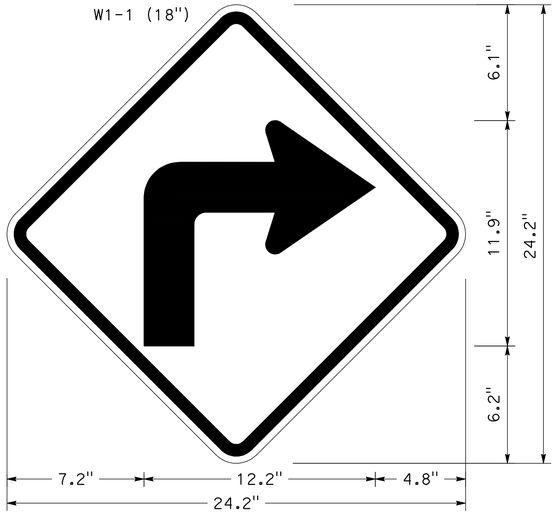
1. FOR NOTES, SEE SHEET SD-1.

R1-1 (18")



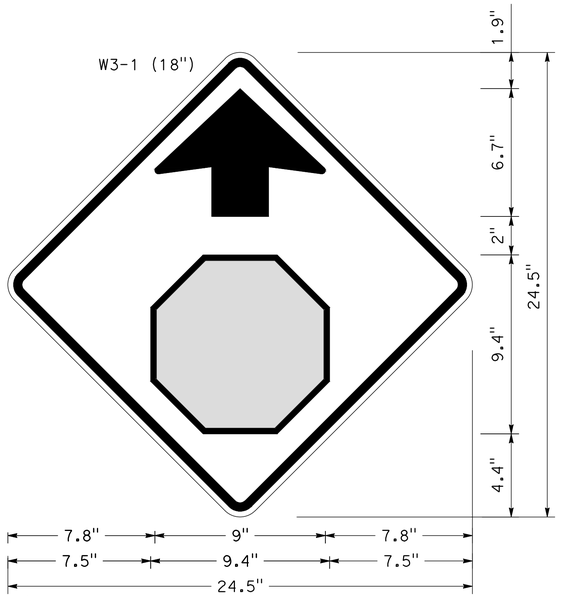
18" OCTOGON;
0.4" Border, White ON Red;
"STOP", X;

W1-1 (18")



18" ACROSS SIDES;
1.5" Radius, 0.6" Border, 0.4" Indent, Black ON Yellow;
TURN ARROW;

W3-1 (18")



18" ACROSS SIDES;
1.5" Radius, 0.6" Border, 0.4" Indent, Black ON Yellow;
DOWN ARROW CUSTOM;
Red OCTAGON WITH White Border;

W4-4P (Mod)

1.5" Radius, 0.2" Border, 0.1" Indent, Black on White;
PERSON SYMBOL; BIKE SYMBOL;
"CROSS TRAFFIC", B;
"MAY NOT STOP", B;
"USE CAUTION", B;
"WHEN CROSSING", B;

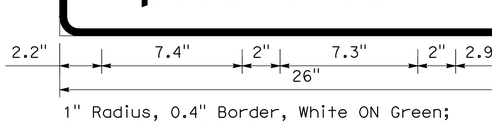
D3-1 (Mod)

1" Radius, 0.4" Border, White ON Green;
"Aptos Creek Rd", D;

D3-1 (Mod)

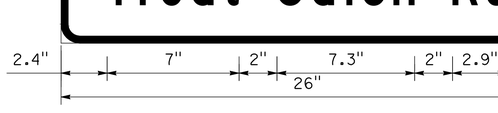
1" Radius, 0.4" Border, White ON Green;
"Trout Gulch Rd", D;

CUSTOM-1



1.5" Radius, 0.4" Border, 0.4" Indent, Black ON Yellow;
"SLOW DOWN", C;

D3-1 (Mod)



1" Radius, 0.4" Border, White ON Green;
"Parade St", D;

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	320	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
ALYSSA GUO
No. 94576
Exp. 3/31/2025
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

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MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DRAFT - NOT FOR CONSTRUCTION

SIGN DETAILS

NOT TO SCALE

SD-12

LAST REVISION | DATE PLOTTED =>9/5/2024
00-00-00 | TIME PLOTTED =>2:15 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	321	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ALYSSA GUO
No. 94576
Exp. 3/31/2025
CIVIL
STATE OF CALIFORNIA

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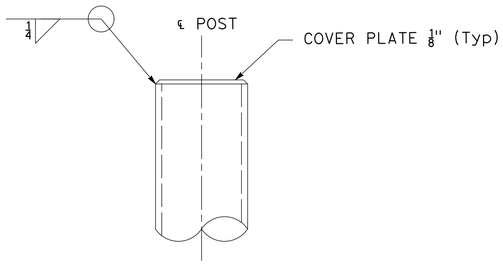
SACRAMENTO, CA 95825

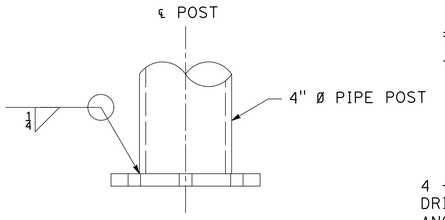
SANTA CRUZ COUNTY REGIONAL
TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

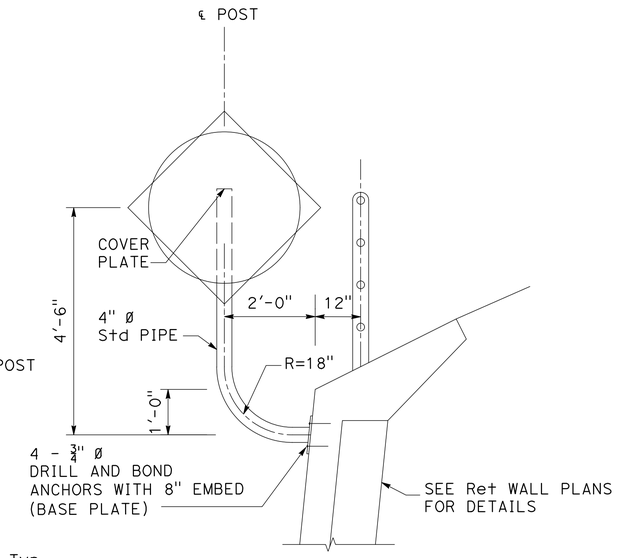
NOTES:

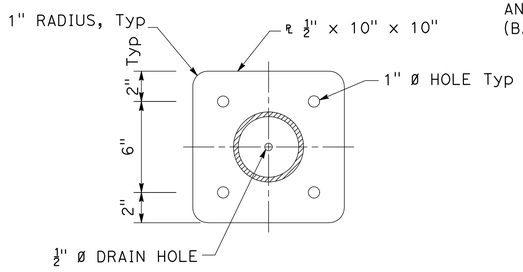
1. FOR NOTES, SEE SHEET SD-1.



COVER PLATE DETAIL







BASE PLATE DETAIL

NOTES:

1. FOR DETAILS NOT SHOWN OR NOTED, SEE CALTRANS STANDARD PLAN RS2
2. ALL WELDING SHALL CONFORM TO REQUIREMENTS OF AWS-D1.1 AND SPECIAL PROVISIONS.
3. ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION

SIGN S13-1, S13-2, AND S13-5 MOUNTED ON Ret WALL DETAIL

DRAFT - NOT FOR CONSTRUCTION

SIGN DETAILS

NOT TO SCALE **SD-13**

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: NICHOLAS ENG
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR DIR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED =>9/5/2024
00-00-00 | TIME PLOTTED =>2:16 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083ob013.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

RAIL TRAIL - ROADSIDE SIGN QUANTITIES - INSTALL, REMOVE

SHEET No.	SIGN No.	SIGN CODE	SIGN PANEL SIZE (LxD)	SIGN PANEL AREA	"C" DIM	POST SIZE & LENGTH (N)			SINGLE FACED	ROADSIDE SIGN			REMOVE SSBM SIGN	REMOVE ROADSIDE SIGN	(N) REMOVE ROADSIDE SIGN PANEL	INSTALL ROADSIDE SIGN ON EXISTING POST	TREATED WOOD WASTE	REMARKS
						4"x4"	4"x6"	6"x6"		ONE POST	TWO POST	SSBM						
			INCHES	SQFT	LF					EA	EA	EA	EA	EA	EA	EA	LB	
S-11	S11-1	WF-11.1	16 x 19.5	2.2	7	12.73			X	1								
			16 x 17	1.9	7				X									
	S11-2	W1-1	18 x 18	2.3	7	11.75			X	1								
		CUSTOM-1	18 x 6	0.8	7				X									
	S11-3	WF-R	16 x 19.5	2.2	7				X	X								Mounted with S11-4
			16 x 9	1.0	7				X									
	S11-4	R1-5	36 x 36	9.0	7			15.88	X	1								
		WF-L	16 x 19.5	2.2	7				X									
			16 x 9	1.0	7				X									
	S11-5	R1-5	36 x 36	9.0	7			15.88	X	1								
		WF-R	16 x 19.5	2.2	7				X									
			12.5 x 9	0.8	7				X									
	S11-6	CREEK-1	24 x 24	4.0	7		14.50		X	1								
	S11-7	CREEK-1	24 x 24	4.0	7		14.50		X	1								
	S11-8	R5-1	30 x 30	6.3	7	11.75				1								
		R5-1	30 x 30	6.3	7	11.75				1								
		R3-5R	30 x 36	7.5	7		13			1								
	S11-11	R1-1	30 x 30	6.3	7	11.75				1								
	S11-12	W11-1	30 x 30	6.3	7		12.25			1								
		W16-1P	18 x 24	3.0	7													
S-12	S12-1	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PR	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-2	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PL	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
		WF-B	16 x 19.5	2.2	7	12.06			X	1								
			16 x 9	1.0	7				X									
	S12-4	W3-1	18 x 18	2.3	7	11.25			X	1								
	S12-5	R1-1	18 x 18	2.3	7	11.75			X	1								
		D3-1 (Mod)	26 x 6	1.1	7				X									Trout Gulch Rd
	S12-6	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PR	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-7	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PL	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-8	WF-12.1	16 x 19.5	2.2	7	12.73			X	1								
			16 x 17	1.9	7				X									
	S12-9	R1-1	18 x 18	2.3	7	11.75			X	1								
			26 x 6	1.1	7				X									Trout Gulch Rd
	S12-10	W3-1	18 x 18	2.3	7	11.25			X	1								
	S12-11	W3-1	18 x 18	2.3	7	11.25			X	1								
	S12-12	R1-1	18 x 18	2.3	7	11.75			X	1								
			18 x 6	0.8	7				X									Parade St
	S12-13	WF-12.2	16 x 19.5	2.2	7	12.31			X	1								
			16 x 12	1.3	7				X									
	S12-14	R1-1	18 x 18	2.3	7	11.75			X	1								
		D3-1 (Mod)	18 x 6	0.8	7				X									Parade St
	S12-15	WF-12.3	16 x 19.5	2.2	7	12.73			X	1								
			16 x 17	1.9	7				X									
	S12-16	W3-1	18 x 18	2.3	7	11.25			X	1								
	S12-17	W3-1	18 x 18	2.3	7	11.25			X	1								
									SHEET SQ-13 TOTAL #	28	0	0	0	0	0	0	0	

(N) NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	334	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

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MARK THOMAS
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SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: JIHONG HUANG | CHECKED BY: ALYSSA GUO

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SIGN QUANTITIES
SQ-13

LAST REVISION | DATE PLOTTED => 9/10/2024
00-00-00 | TIME PLOTTED => 4:15 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	323	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

RAIL TRAIL - ROADSIDE SIGN QUANTITIES - INSTALL, REMOVE

SHEET No.	SIGN No.	SIGN CODE	SIGN PANEL SIZE (LxD)	SIGN PANEL AREA	"C" DIM	POST SIZE & LENGTH (N)			SINGLE FACED	ROADSIDE SIGN			REMOVE SSBM SIGN	REMOVE ROADSIDE SIGN	(N) REMOVE ROADSIDE SIGN PANEL	INSTALL ROADSIDE SIGN ON EXISTING POST	TREATED WOOD WASTE	REMARKS
						4"x4"	4"x6"	6"x6"		ONE POST	TWO POST	SSBM						
			INCHES	SQFT	LF				X	EA	EA	EA	EA	EA	EA	EA	LB	
S-12	S12-18	WF-12.4	16 x 19.5	2.2	7	12.31			X	1								
			16 x 12	1.3	7				X									
	S12-19	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PL	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-20	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PR	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-21	R1-1	18 x 18	2.3	7	11.75			X	1								
		D3-1 (Mod)	26 x 6	1.1	7				X									Aptos Creek Rd
	S12-22	W3-1	18 x 18	2.3	7	11.25			X	1								
	S12-23	R1-1	18 x 18	2.3	7	11.75			X	1								
		D3-1 (Mod)	26 x 6	1.1	7				X									Aptos Creek Rd
	S12-24	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PR	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-25	W11-15	30 x 30	6.3	7		13.75		X	1								
		W16-7PL	24 x 12	2.0	7				X									
		W4-4P (Mod)	12 x 12	1.0	7				X									
	S12-26	WF-12.5	16 x 19.5	2.2	7	12.73			X	1								
			16 x 17	1.9	7				X									
S-13	S13-1	CREEK-2	24 x 24	4.0	7		14.50		X	1								
	S13-2	CREEK-2	24 x 24	4.0	7		14.50		X	1								
	S13-3	R9-3bP	18 x 12	1.5	7	11.00			X	1								
	S13-4	WF-13.1	16 x 19.5	2.2	7	12.31			X	1								
			16 x 12	1.3	7				X									
	S13-5	W1-1	18 x 18	2.3	7	11.75			X	1								
		CUSTOM-1	18 x 6	0.8	7				X									
	S13-6	R1-1	18 x 18	2.3	7				X	X								Mounted with S13-6
	S13-7	W11-2	30 x 30	6.3	7		13.75		X	1								
		W16-9P	24 x 12	2.0	7				X									
	S13-8	WF-R	16 x 19.5	2.2	7	12.06			X	1								
			16 x 9	1.0	7				X									
	S13-9	WF-L	16 x 19.5	2.2	7				X	X								Mounted with S13-10
			16 x 9	1.0	7				X									
								SHEET SQ-14 TOTAL	#	16	0	0	0	0	0	0	0	

SHEET SQ-13 TOTAL	28	0	0	0	0	0	0	0
SHEET SQ-14 TOTAL	16	0	0	0	0	0	0	0
RAIL TRAIL GRAND TOTAL	44	0	0	0	0	0	0	0

MAINLINE GRAND TOTAL	33	37	10	10	48	52	48	3829
RAIL TRAIL GRAND TOTAL	44	0	0	0	0	0	0	0
PROJECT TOTAL	77	37	10	10	48	52	48	3829

(N) NOT A SEPARATE BID ITEM

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SIGN QUANTITIES
SQ-14

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: JIHONG HUANG
CHECKED BY: ALYSSA GUO

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION: 00-00-00
DATE PLOTTED => 9/5/2024
TIME PLOTTED => 4:37 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083od014.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	332	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

RAIL TRAIL - ROADSIDE SIGN QUANTITIES - COLOR, ALUMINUM

SHEET No.	SIGN No.	SIGN CODE	SIGN PANEL SIZE (LxD)	SIGN PANEL AREA	BACKGROUND		LEGEND		PREMIUM PROTECTIVE FILM (N)	FURNISH SINGLE SHEET ALUMINUM			
										UNFRAMED		FRAMED	
					SHEETING COLOR	RETRO REFLECTIVE ASTM TYPE	SHEETING COLOR	RETRO REFLECTIVE ASTM TYPE		0.063"	0.080"	0.063"	0.080"
			INCHES	SQFT						SQFT			
S-11	S11-1	WF-11.1	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 17	1.9	GREEN	TYPE XI	WHITE	TYPE XI	X	1.9			
	S11-2	W1-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
		CUSTOM-1	18 x 6	0.8	YELLOW	TYPE XI	BLACK	PLAIN	X	0.8			
	S11-3	WF-R	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 9	1.0	GREEN	TYPE XI	WHITE	TYPE XI	X	1.0			
	S11-4	R1-5	36 x 36	9.0	WHITE	TYPE IX	BLACK	PLAIN	X	9.0			
		WF-L	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 9	1.0	GREEN	TYPE XI	WHITE	TYPE XI	X	1.0			
	S11-5	R1-5	36 x 36	9.0	WHITE	TYPE IX	BLACK	PLAIN	X	9.0			
		WF-R	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			12.5 x 9	0.8	GREEN	TYPE XI	WHITE	TYPE XI	X	0.8			
	S11-6	CREEK-1	24 x 24	4.0	BLUE	TYPE XI	WHITE	TYPE XI	X	4.0			
	S11-7	CREEK-1	24 x 24	4.0	BLUE	TYPE XI	WHITE	TYPE XI	X	4.0			
	S11-8	R5-1	30 x 30	6.3	WHITE	TYPE XI	RED	TYPE XI	X	6.3			
	S11-9	R5-1	30 x 30	6.3	WHITE	TYPE XI	RED	TYPE XI	X	6.3			
	S11-10	R3-5R	30 x 36	7.5	WHITE	TYPE IX	BLACK	PLAIN	X	7.5			
	S11-11	R1-1	30 x 30	6.3	RED	TYPE XI	WHITE	TYPE XI	X	6.3			
		W11-1	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-1P	18 x 24	3.0	YELLOW	TYPE XI	BLACK	PLAIN	X	3.0			
S-12	S12-1	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PR	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-2	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PL	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-3	WF-B	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 9	1.0	GREEN	TYPE XI	WHITE	TYPE XI	X	1.0			
	S12-4	W3-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
	S12-5	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
		D3-1 (Mod)	26 x 6	1.1	GREEN	TYPE XI	WHITE	TYPE XI	X	1.1			
	S12-6	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PR	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
		W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PL	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-8	WF-12.1	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 17	1.9	GREEN	TYPE XI	WHITE	TYPE XI	X	1.9			
	S12-9	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
		D3-1 (Mod)	26 x 6	1.1	GREEN	TYPE XI	WHITE	TYPE XI	X	1.1			
	S12-10	W3-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
		W3-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
	S12-12	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
			18 x 6	0.8	GREEN	TYPE XI	WHITE	TYPE XI	X	0.8			
	S12-13	WF-12.2	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 12	1.3	GREEN	TYPE XI	WHITE	TYPE XI	X	1.3			
	S12-14	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
		D3-1 (Mod)	18 x 6	0.8	GREEN	TYPE XI	WHITE	TYPE XI	X	0.8			
	S12-15	WF-12.3	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 17	1.9	GREEN	TYPE XI	WHITE	TYPE XI	X	1.9			
	S12-16	W3-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
	S12-17	W3-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
								SHEET SQ-15 TOTAL	#	153.5	0.0	0.0	0.0

(N) NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

SIGN QUANTITIES
SQ-15

REVISED BY | DATE REVISED

JIHONG HUANG | ALYSSA GUO

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION: DATE PLOTTED => 9/5/2024
00-00-00 TIME PLOTTED => 4:37 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083od015.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	332	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ALYSSA GUO — No. 94576 — Exp. 3/31/2025 — CIVIL — STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

RAIL TRAIL - ROADSIDE SIGN QUANTITIES - COLOR, ALUMINUM

SHEET No.	SIGN No.	SIGN CODE	SIGN PANEL SIZE (LxD)	SIGN PANEL AREA	BACKGROUND		LEGEND		PREMIUM PROTECTIVE FILM (N)	FURNISH SINGLE SHEET ALUMINUM			
										UNFRAMED		FRAMED	
					SHEETING COLOR	RETRO REFLEC TIVE ASTM TYPE	SHEETING COLOR	RETRO REFLEC TIVE ASTM TYPE		0.063"	0.080"	0.063"	0.080"
			INCHES	SQFT						SQFT			
S-12	S12-18	WF-12.4	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 12	1.3	GREEN	TYPE XI	WHITE	TYPE XI	X	1.3			
	S12-19	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PL	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-20	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PR	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-21	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
		D3-1 (Mod)	26 x 6	1.1	GREEN	TYPE XI	WHITE	TYPE XI	X	1.1			
	S12-22	W3-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
	S12-23	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
		D3-1 (Mod)	26 x 6	1.1	GREEN	TYPE XI	WHITE	TYPE XI	X	1.1			
	S12-24	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PR	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-25	W11-15	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-7PL	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
		W4-4P (Mod)	12 x 12	1.0	WHITE	TYPE IX	BLACK	PLAIN	X	1.0			
	S12-26	WF-12.5	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 17	1.9	GREEN	TYPE XI	WHITE	TYPE XI	X	1.9			
S-13	S13-1	CREEK-2	24 x 24	4.0	BLUE	TYPE XI	WHITE	TYPE XI	X	4.0			
	S13-2	CREEK-2	24 x 24	4.0	BLUE	TYPE XI	WHITE	TYPE XI	X	4.0			
	S13-3	R9-3bP	18 x 12	1.5	WHITE	TYPE IX	BLACK	PLAIN	X	1.5			
	S13-4	WF-13.1	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 12	1.3	GREEN	TYPE XI	WHITE	TYPE XI	X	1.3			
	S13-5	W1-1	18 x 18	2.3	YELLOW	TYPE XI	BLACK	PLAIN	X	2.3			
		CUSTOM-1	18 x 6	0.8	YELLOW	TYPE XI	BLACK	PLAIN	X	0.8			
	S13-6	R1-1	18 x 18	2.3	RED	TYPE XI	WHITE	TYPE XI	X	2.3			
	S13-7	W11-2	30 x 30	6.3	YELLOW	TYPE XI	BLACK	PLAIN	X	6.3			
		W16-9P	24 x 12	2.0	YELLOW	TYPE XI	BLACK	PLAIN	X	2.0			
	S13-8	WF-R	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 9	1.0	GREEN	TYPE XI	WHITE	TYPE XI	X	1.0			
	S13-9	WF-L	16 x 19.5	2.2	BROWN	TYPE XI	WHITE	TYPE XI	X	2.2			
			16 x 9	1.0	GREEN	TYPE XI	WHITE	TYPE XI	X	1.0			
								SHEET SQ-16 TOTAL	#	86.3	0.0	0.0	0.0

SHEET SQ-15 TOTAL	153.5	0.0	0.0	0.0
SHEET SQ-16 TOTAL	86.3	0.0	0.0	0.0
RAIL TRAIL GRAND TOTAL	239.8	0.0	0.0	0.0

MAINLINE GRAND TOTAL	501.8	1150.3	358.5	415.6
RAIL TRAIL GRAND TOTAL	239.8	0.0	0.0	0.0
PROJECT TOTAL	741.6	1150.3	358.5	415.6

(N) NOT A SEPARATE BID ITEM

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SIGN QUANTITIES
SQ-16

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: JIHONG HUANG
CHECKED BY: ALYSSA GUO
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 9/5/2024
TIME PLOTTED => 4:37 PM

BORDER LAST REVISED 7/2/2010
USERNAME => KMCCLOSKEY
DGN FILE => 0520000083od016.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	338	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIRA CASELLI — No. 86464 — Exp. 03-31-25 — CIVIL — STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
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ABBREVIATIONS:

FB	FREEDOM BOULEVARD
RM	RIO DEL MAR BOULEVARD
SP	STATE PARK DRIVE
RHMA-G	RUBBERIZED HOT MIX ASPHALT-GAP GRADED

EARTHWORK QUANTITIES

LOCATION	STATION LIMITS	ROADWAY EXCAVATION	EMBANKMENT (N)
		CY	
FREEDOM INTERCHANGE	"SR1" 182+81.31 TO "SR1" 205+82.83	1706	109
FREEDOM TO RIO DEL MAR	"SR1" 205+82.83 TO "SR1" 225+23.25	2713	217
RIO DEL MAR INTERCHANGE	"SR1" 225+23.25 TO "SR1" 249+65.36	4228	474
RIO DEL MAR TO STATE PARK	"SR1" 249+65.36 TO "SR1" 297+63.51	38016	8786
STATE PARK INTERCHANGE	"SR1" 297+63.51 TO "SR1" 308+91.85	3358	41
SP1 RAMP	"SP1" 303+95.07 TO "SP1" 307+35.00	352	106
SP3 RAMP	"SP3" 308+92.33 TO "SP3" 311+82.83	336	106
RAIL TRAIL	"RT-U" 999+49.95 TO "RT-U" 1063+10.23	5337	5656
MOOSEHEAD	"MH" 10+40.91 TO "MH" 14+76.05	88	1545
TOTAL		56135	17041

REMOVE CONCRETE BARRIER

STATION LIMITS	Loc	LF
"SR1" 197+06.52 TO "SR1" 231+27.95	Lt/Rt	3422
"SR1" 235+17.54 TO "SR1" 294+52.04	Lt/Rt	5930
"SR1" 267+16.12 TO "SR1" 267+42.35	Rt	26
"SR1" 267+35.78 TO "SR1" 267+62.02	Lt	26
"SR1" 268+55.09 TO "SR1" 274+21.79	Rt	560
"SR1" 289+71.04 TO "SR1" 289+91.21	Rt	20
"SR1" 291+29.39 TO "SR1" 291+73.22	Lt	45
TOTAL		10029

REMOVE CONCRETE CURB AND GUTTER

STATION LIMITS	Loc	REMOVE CONCRETE (CURB AND GUTTER)	REMOVE CONCRETE (MISCELLANEOUS)
		LF	SQFT
"RM1" 225+96.26 TO "RM1" 226+94.28	Rt	196	
"RM3" 238+25.76 TO "RM3" 239+20.84	Lt	133	
"SP1" 298+25.74 to "SP1" 304+12.41	Rt	580	
"SP1" 298+10.27 TO "SP1" 303+87.40	Lt	567	578
"SP2" 299+15.83 to "SP2" 300+54.64	Lt	153	
"RDM" 13+07.58 TO "RDM" 13+36.19	Lt	32	
"RT-1" 1023+96.66 TO "RT-1" 1026+69.41	Rt	64	
"RT-2" 2006+80.38 TO "RT-2" 2006+96.91	Lt	24	
TOTAL		1630	578

REMOVE CONCRETE CURB

STATION LIMITS	Loc	CURB
		LF
"RM1" 226+94.28 TO "RM1" 229+00.01	Rt	206
"RM2" 226+73.62 TO "RM2" 227+96.29	Lt	123
"RM3" 235+42.70 TO "RM3" 238+25.76	Lt/Rt	283
"RM4" 247+55.53 TO "RM4" 249+07.31	Rt	304
"SP1" 298+06.93 TO "SP1" 298+52.46	Rt	65
"SP1" 304+12.41 TO "SP1" 307+34.91	Lt/Rt	333
"SP3" 307+59.14 TO "SP3" 311+99.83	Lt/Rt	494
"SP4" 303+66.53 TO "SP4" 304+50.03	Lt	129
"RDM" 13+08.83 TO "RDM" 13+26.51	Rt	20
"RT-1" 1026+69.41 TO "RT-1" 1027+23.53	Rt	374
"RT-2" 2002+85.72 TO "RT-2" 2002+90.68	Rt	11
"RT-3" 3000+00.04 TO "RT-3" 3000+43.47	Rt	61
TOTAL		2402

REMOVE SIDEWALK

STATION LIMITS	Loc	CY
"RDM" 13+08.01 TO "RDM" 13+36.19	Lt	3
"RT-2" 2002+86.25 TO "RT-2" 2003 04.28	Lt	2
"RT-2" 2006+92.63 TO "RT-2" 2006+80.13	Lt	2
"RT-3" 3000+04.85 TO "RT-3" 3000+04.57	Lt	1
TOTAL		8

COLD PLANE ASPHALT CONCRETE PAVEMENT

STATION LIMITS	Loc	DEPTH	COLD PLANE AC PAVEMENT
		FT	SQYD
"SR1" 182+94.71 TO "SR1" 197+22.76	RUMBLE STRIP REMOVAL	0.2	1.59
"SR1" 186+97.82 TO "SR1" 203+69.59	RUMBLE STRIP REMOVAL	0.2	1.86
"SR1" 187+78.92 TO "SR1" 266+71.29	RUMBLE STRIP REMOVAL	0.2	8.77
"SR1" 187+78.92 TO "SR1" 266+71.29	RUMBLE STRIP REMOVAL	0.2	8.77
"SR1" 205+47.02 TO "SR1" 219+24.29	RUMBLE STRIP REMOVAL	0.2	1.53
"SR1" 212+31.72 TO "SR1" 218+81.82	RUMBLE STRIP REMOVAL	0.2	0.72
"SR1" 226+25.76 TO "SR1" 239+31.56	RUMBLE STRIP REMOVAL	0.2	1.45
"SR1" 225+87.40 TO "SR1" 249+37.65	RUMBLE STRIP REMOVAL	0.2	2.61
"SR1" 248+47.37 TO "SR1" 277+98.34	RUMBLE STRIP REMOVAL	0.2	3.28
"SR1" 257+48.97 TO "SR1" 278+48.74	RUMBLE STRIP REMOVAL	0.2	2.33
"SR1" 281+60.60 TO " SR1" 287+36.94	RUMBLE STRIP REMOVAL	0.2	0.64
"SR1" 282+56.13 TO "SR1" 287+36.94	RUMBLE STRIP REMOVAL	0.2	0.53
"SR1" 291+06.18 TO "SR1" 296+39.31	RUMBLE STRIP REMOVAL	0.2	0.59
"SR1" 288+91.20 TO "SR1" 302+04.87	RUMBLE STRIP REMOVAL	0.2	1.69
"SR1" 299+15.57 TO "SR1" 304+49.41	RUMBLE STRIP REMOVAL	0.2	0.59
"SR1" 308+05.82 TO "SR1" 308+91.14	RUMBLE STRIP REMOVAL	0.2	0.09
"SR1" 186+94.14 TO "SR1" 195+99.09 Lt	HMA LEVELING	0.2	550.11
"SR1" 206+50.00 TO "SR1" 216+52.00 Lt	HMA LEVELING	0.2	939.79
"SR1" 206+85.80 TO "SR1" 216+08.87 Rt	HMA LEVELING	0.2	257.28
"SR1" 232+10.30 TO "SR1" 249+47.00 Lt	HMA LEVELING	0.2	779.09
"SR1" 246+50.00 TO "SR1" 254+53.00 Rt	HMA LEVELING	0.2	267.69
"SR1" 251+92.62 TO "SR1" 268+35.50 Lt	HMA LEVELING	0.2	537.78
"SR1" 265+16.00 TO "SR1" 274+21.75 Rt	HMA LEVELING	0.2	638.25
"SR1" 299+28.02 TO "SR1" 304+14.60 Rt	HMA LEVELING	0.2	277.59
TOTAL			4285

REMOVE SOUNDWALL

STATION LIMITS	Loc	LF
"RT-3" 2013+62.44 TO "RT-3" 3016+95.00		370
RT-3" 3016+95.00 TO "RT-3" 3027+60.65	Rt	1146
TOTAL		1516

REMOVE DOUBLE THRIE BEAM BARRIER

STATION LIMITS	Loc	LF
"SR1" 195+00.00 TO "SR1" 197+06.52	Lt/Rt	207
"SR1" 294+52.04 TO "SR1" 302+04.87	Lt/Rt	753
TOTAL		959

TREATED WOOD WASTE

STATION LIMITS	ITEM	LB
"SR1" 195+00.00 TO "SR1" 197+06.52	DTBB POSTS	2000
"SR1" 195+00.00 TO "SR1" 197+06.52	DTBB BLOCKS	1331
"SR1" 294+52.04 TO "SR1" 304+14.58	DTBB POSTS	8914
"SR1" 294+52.04 TO "SR1" 304+14.58	DTBB BLOCKS	5932
FROM REMOVE ROADSIDE SIGNS		3689
TOTAL		21865

REMOVE GUARDRAIL

STATION LIMITS	Loc	LF
"SR1" 209+13.32 TO "SR1" 209+89.91	Lt	77
"SR1" 212+57.58 TO "SR1" 213+45.60	Rt	88
"SR1" 223+36.14 TO "SR1" 224+12.06	Lt	76
"SR1" 224+47.93 TO "SR1" 225+37.97	Rt	90
"SR1" 243+54.47 TO "SR1" 250+13.96	Rt	664
"SR1" 253+91.49 TO "SR1" 258+91.74	Lt	500
"SR1" 266+28.91 TO "SR1" 267+15.69	Rt	87
"SR1" 267+58.16 TO "SR1" 268+22.65	Lt	65
"SR1" 288+81.93 TO "SR1" 289+55.97	Rt	73
"SR1" 291+96.02 TO "SR1" 292+56.64	Lt	66
"SR1" 293+44.00 TO "SR1" 294+39.34	Rt	94
"SR1" 306+38.98 TO "SR1" 307+54.50	Lt	116
TOTAL		1996

SUMMARY OF QUANTITIES

Q-1

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: FABIOLA LOPEZ
CHECKED BY: KIRA CASELLI
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION | DATE PLOTTED =>8/29/2024
00-00-00 | TIME PLOTTED =>5:07 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	339	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

KIRA CASELLI No. 86464 Exp. 03-31-25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTE:

* QUANTITIES TO BE INCLUDED IN PAVEMENT STRUCTURE QUANTITIES ON SHEET Q-4

MINOR CONCRETE (STAMPED CONCRETE)

STATION LIMITS	Loc	MINOR CONCRETE (STAMPED CONCRETE)	CLASS 2 AB
		SQFT	CY
"SR1" 182+85.27 TO "SR1" 187+18.36	Rt	6142.0	113.7
"SR1" 187+87.34 TO "SR1" 188+46.11	Lt	740.3	13.7
"SR1" 196+13.78 TO "SR1" 197+69.49	Rt	2122.8	39.3
"SR1" 204+08.00 TO "SR1" 205+77.41	Lt	2335.0	43.2
"SR1" 225+27.25 TO "SR1" 226+79.86	Rt	2057.4	38.1
"SR1" 225+51.03 TO "SR1" 227+22.45	Lt	2322.6	43.0
"SR1" 236+25.66 TO "SR1" 237+90.11	Rt	2138.3	39.6
"SR1" 248+09.07 TO "SR1" 249+61.28	Lt	2052.5	38.0
"SR1" 299+27.93 TO "SR1" 300+05.16	Rt	939.6	17.4
"SR1" 303+39.98 TO "SR1" 303+93.07	Lt	666.2	12.3
"SR1" 303+93.59 TO "SR1" 304+14.59	Rt	260.9	4.8
"SR1" 308+56.06 TO "SR1" 308+91.91	Lt	443.6	8.2
TOTAL		22221.3	411.5 *

MINOR CONCRETE (SIDEWALK)

STATION LIMITS	Loc	(N) AREA	MINOR CONCRETE (SIDEWALK)	CI 2 AB
		SQFT	CY	CY
"RT-1" 900+80.28 TO "RT-1" 1002+68.96	Rt	1856	22.9	0.3
"RT-1""1002+77.97 TO "RDM" 1003+05.98	Rt	59	0.7	0.0
TOTAL			23.6	0.3 *

(N) NOT A SEPARATE BID ITEM

MINOR CONCRETE (CURB AND GUTTER)

STATION LIMITS	Loc	MINOR CONCRETE (CURB AND GUTTER)		MINOR CONCRETE (CURB)	CLASS 2 AB
		CT STD (TYPE A2-6)	SCC (TYPE A)	CT STD (TYPE A1-6)	
		CY	CY	CY	CY
"RM2" 226+81.03 TO "RM2" 227+96.29	Lt			3.0	0.4
"RM1" 227+2.45TO "RM1" 229+00.00	Rt			4.6	0.7
"RM4" 247+55.53 TO "RM4" 248+07.88	Rt			1.4	0.2
"SP2" 300+06.26 TO "SP2" 300+54.81	Lt	2.9			0.8
"SP1" 303+94.05 TO "SP1" 305+00.0	Rt	6.4			1.7
"SP1" 305+00.00 TO "SP1" 307+35.00	Rt			6.2	0.9
"SP4" 303+66.54 TO "SP4" 303+89.95	Lt			0.6	0.1
"SP3" 308+93.03 TO "SP3" 311+82.69	Rt			8.2	1.2
"MH" 12+12.46 TO "MH" 14+76.05	Lt		15		4.3
"S" 12+20.00 TO "S" 14+48.00	Lt		6.1		3.8
"RDM" 13+08.83 TO "RDM" 13+26.51	Rt		0.5		0.3
"RT-1" 1026+41.28 TO "RT-1" 1027+23.53	Rt		2.5		1.6
"RT-3" 13+08.83	Lt			0.1	0.1
"RT-3" 13+27.43 TO "RT-3" 13+27.40	Rt			0.1	0.1
"S" 14+48.00 TO "RDM" 13+42.11	Lt		2.3		1.4
"RT-2" 2002+32.05 TO "RT-2" 2002+43.32	Lt			0.4	0.3
"RT-2" 2002+32.05 TO "RT-2" 2002+52.32	Rt			0.6	0.4
"RT-2" 2002+43.32 TO "RT-2" 2002+52.32	Lt/Rt		0.5		0.3
"RT-2" 2002+87.68 TO "RT-2" 2002+90.68	Lt			0.2	0.2
"RT-2" 2002+90.47 TO "RT-2" 2002+87.00	Rt		0.3		0.2
"RT-2" 2002+90.47 TO "RT-2" 2003+12.01	Rt			0.2	0.1
"RT-2" 2002+95.62 TO "RT-2" 2003+12.01	Lt			0.5	0.3
"RT-2" 2006"+80.03 TO RT-2" 2006+96.57	Rt		0.6		0.4
"RT-3" 2999+98.27 TO "RT-3" 3000+43.47	Rt		1.9		1.2
"RT-3" 3000+04.72 TO "RT-3" 3000+29.34	Lt			0.7	0.4
"RT-3" 3000+15.25 TO "RT-3" 3000+43.47	Rt			1.1	0.7
"RT-3" 3000+15.25 TO "RT-3" 3000+43.47	Rt			1.1	0.7
"RT-3" 3008+71.27 TO "SP" 12+15.94	Rt			1.6	1.0
"SP" 12+15.94 TO "SP" 12+47.26	Rt		1.8		1.2
TOTAL		41.3		30.5	24.9 *

PAVEMENT EDGE TREATMENT

STATION LIMITS	Loc		LF	RHMA-G	HMA (TYPE A)	CLASS 2 AB	CLASS 2 AS
				TON	TON	CY	CY
"FB1" 188+33.94 TO "FB1" 189+03.10	SB	PVMT Sec 1	70	0.2	2.1	1.0	
"FB2" 187+32.35 TO "FB2" 188+39.94	NB		108	0.3	3.2	1.5	
"FB3" 195+80.85 TO "FB3" 196+10.85	NB		30	0.1	0.9	0.4	
"FB4" 202+84.09 TO "FB4" 203+93.38	SB		109	0.3	3.3	1.5	
"SR1" 206+85.80 TO "SR1" 214+22.27	NB		736	1.9	22.1	10.2	
"SR1" 227+22.45 TO "SR1" 248+09.08	SB		293	0.7	8.8	4.1	
"SR1" 259+68.84 TO "SR1" 269+71.01	SB		1003	2.5	30.0	13.9	
"SR1" 265+76.82 TO "SR1" 268+80.13	NB		303	0.8	9.1	4.2	
"SR1" 270+69.41 TO "SR1" 274+42.56	SB		379	1.0	11.4	5.3	
"SR1" 286+08.00 TO "SR1" 292+12.67	NB		592	1.5	17.7	8.2	
"SR1" 290+13.17 TO "SR1" 292+79.59	SB		464	1.2	13.9	6.4	
"SR1" 297+63.51 TO "SR1" 298+10.11	SB		47	0.1	1.4	0.6	
"SR1" 300+05.14 TO "SR1" 303+93.58	NB		389	1.0	11.6	5.4	
"MH" 10+24.81 TO "MH" 16+94.38	Lt	PVMT Sec 7	658		1.2	3.5	3.5
"MH 10+24.81 TO "MH" 10+49.11	Rt		24		0.04	0.1	0.1
"MH" 13+97.76 TO "MH 16+94.38	Rt		304		0.6	1.6	1.6
TOTAL				11.4 *	137.3*	68.2*	5.3*

SUMMARY OF QUANTITIES

DRAFT - NOT FOR CONSTRUCTION

Q-2

REVISED BY | DATE REVISED
FABIOLA LOPEZ | KIRA CASELLI
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DATE PLOTTED =>8/29/2024
00-00-00 TIME PLOTTED =>5:07 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => CMITCHELL | DGN FILE => 0520000083pa002.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0520000083

NOTE:

* QUANTITIES TO BE INCLUDED IN PAVEMENT STRUCTURE QUANTITIES ON SHEET Q-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	340	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

KIRA CASELLI No. 86464 Exp.03-31-25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

GUARDRAIL

STATION LIMITS	Loc	MGS (STEEL POST) TYPE 16A LAYOUT	END ANCHOR ASSEMBLY TYPE SFT-M	ALTERNATIVE IN-LINE TERMINAL SYSTEM	Trans RAILING TYPE DTB	STAIN GALVANIZED SURFACES
		LF	EA			EA
"SR1" 195+00.00 TO "SR1" 195+25.00					1	
"SR1" 209+91.88 TO "SR1" 211+16.90	Lt	125.0	1	1		31
"SR1" 215+34.36 TO "SR1" 216+59.36	Rt	125.0	1	1		31
"SR1" 219+17.35 TO "SR1" 220+42.33	Lt	125.0	1	1		31
"SR1" 243+79.11 TO "SR1" 258+17.50	Rt	1438.5	1			242
"SR1" 252+30.12 TO "SR1" 259+93.84	Lt	713.7	1	1		129
"SR1" 288+41.87 TO "SR1" 289+64.23	Lt	125.0				21
"SR1" 292+89.44 TO "SR1" 294+17.49	Rt	125.0	1	1		31
TOTAL		2777.2	6	5	1	517

CONCRETE BARRIERS

STATION LIMITS	Loc	TYPE 60MC	TYPE 60MF	TYPE 60MGF	TYPE 60MD
		LF			
"SR1" 195+25.00 TO "SR1" 212+73.33	Lt/Rt	1748			
"SR1" 212+73.33 TO "SR1" 214+51.33	Lt/Rt		178		
"SR1" 214+51.33 TO "SR1" 231+75.00	Lt/Rt	1724			
"SR1" 216+48.01 TO "SR1" 222+35.63	Rt				588
"SR1" 235+20.00 TO "SR1" 258+60.07	Lt/Rt	2340			
"SR1" 258+60.07 TO "SR1" 260+38.07	Lt/Rt		178		
"SR1" 260+38.07 TO "SR1" 266+58.97	Lt/Rt	621			
"SR1" 266+58.97 TO "SR1" 268+20.86	Lt/Rt			162	
"SR1" 268+20.86 TO "SR1" 279+00.07	Lt/Rt	1079			
"SR1" 281+60.07 TO "SR1" 289+62.43	Lt/Rt	802			
"SR1" 289+62.43 TO "SR1" 291+58.27	Lt/Rt			196	
"SR1" 291+58.27 TO "SR1" 303+89.58	Lt/Rt	1231			
TOTAL		9545	356	358	588

MINOR CONCRETE (CURB RAMP)

STATION LIMITS	SCC-CURB RAMP (TYPE B)	SCC-CURB RAMP (TYPE C)	SCC-CURB RAMP (TYPE D)	CALTRANS STD. CASE F
	CY	CY	CY	CY
"RDM" 1003+08.83 TO "RT-1" 1003+26.51		0.82		
"RT-1" 1002+77.97 TO "RDM" 1003+05.98	1.30			
"RT-1" 1026+98.97 TO 1027+23.03			4.26	
"RT-2" 2002+32.05 TO "RT-2" 2002+52.19				1.99
"RT-2" 2002+90.36 TO "RT-2" 2003+12.01				2.72
"RT-2" 2006+70.05 TO "RT-2" 2006+80.38		3.10		
"RT-3" 2999+98.27 TO "RT-3" 3000+29.34				2.62
"RT-3"3" 3028+22.14 TO "RT-3" 3028+47.26		8.93		
SUBTOTAL	1.30	12.85	4.26	7.33
TOTAL	18			7

IRRIGATION CONDUITS

SHEET No.	STATION	CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT		GALVANIZED STEEL PIPE SUPPLY LINE				WELDED STEEL PIPE CONDUIT		(N) CASING INSULATOR
		8"	12"	1"	1 1/2"	2"	3"	6"	12"	12"
		LF	LF	LF	LF	LF	LF	LF	LF	EA
IP-1 TO IP-2, L-2	"SR1" 191+11.03 Rt 52.56			82	87					29
IP-1 TO IP-2, L-2	"SR1" 191+51.72 Lt 52.86			169						29
IP-2, L-2	"FB3" 195+82.61 Rt 12.05								36	6
IP-2, L-2	"SR1" 195+88.50 Lt 1.99		103							18
IP-8, L-4	"SR1" 227+32.67		94							16
IP-8, L-4	"RM2" 227+37.03 Rt 8.59								33	6
IP-8, L-4	"RM1" 231+53.87 Lt 9.77							33		6
IP-9 TO IP-10, L-4	"SR1" 233+14.85 Rt 30.59					38	42			14
IP-9 TO IP-10, L-5	"SR1" 233+64.60 Lt 46.74				55					10
IP - 10, L-5	"RM3" 235+95.52 Rt 6.87								36	6
IP-14, L-6	"SR1" 259+30.76		113							19
IP-17, L-8	"SR1" 275+52.55 Lt 45.92			921						154
IP-21, L-10	"SR1" 300+11.12 Lt 13.05		142							24
IP-23, L-10	"SP1" 304+50.26 Lt 15.40	45							36	14
TOTAL		45	452	1172	142	38	42	33	141	351

PLACE HOT MIX ASPHALT DIKE

STATION LIMITS	Loc	TYPE A	TYPE C	TYPE E	HMA (TYPE A)
		LF			TON
"SR1" 187+18.24 TO "SR1" 196+13.46	Rt			911	24.0
"SR1" 188+45.45 TO "SR1" 192+29.99	Lt			385	10.1
"SR1" 196.88.98 TO "SR1" 204+36.02				747	19.7
"SR1" 214+22.27 TO "SR1" 214+97.26			75		0.6
"SR1" 214+97.26 TO "SR1" 216+71.86	Rt	175			4.8
"SR1" 219+04.85 TO "SR1" 221+17.33	Lt		212		1.6
"SR1" 221+17.33 TO "SR1" 221+27.32	Lt			10	0.3
"SR1" 222+35.63 TO "SR1" 227+04.35	Lt	469			12.8
"SR1" 225+94.74 TO "SR1" 227+22.45	Rt			128	3.4
"SR1" 225+48.03 TO "SR1" 237+90.11	Lt			1242	32.7
"RM3" 235+42.70 TO "RM3" 237+83.65	Rt	241			6.6
"SR1" 243+54.47 TO "SR1" 258+30.00	Lt	1476			40.3
"SR1" 251+92.62 TO "SR1" 259+68.84	Rt		790		6.1
"SR1" 258+30.00 TO "SR1" 265+76.82	Lt			747	19.7
"SR1" 292+12.67 TO "SR1" 294+30.31	Rt		212		1.6
"SR1" 294+30.31 TO "SR1" 296+84.84	Rt	252			6.9
"SP1" 298+10.54 TO "SP1" 307+35.00	Rt			895	23.6
"SP3" 303+93.72 TO "SP3" 311+82.72	Lt			728	19.2
TOTAL		2612	1290	5792	234 *

SUMMARY OF QUANTITIES

⊗ MEASURED FROM CENTER POINT OF CONDUIT
(N) NOT A SEPARATE BID ITEM

DRAFT - NOT FOR CONSTRUCTION

Q-3

REVISED BY | DATE REVISED
FABIOLA LOPEZ | KIRA CASELLI
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DATE PLOTTED =>8/29/2024
00-00-00 TIME PLOTTED =>5:07 PM

PAVEMENT STRUCTURE QUANTITIES

LOCATION	STATION LIMITS	RHMA–G	HMA (TYPE A)	CLASS 2 AB	CLASS 2 AS	TACK COAT
		TON	TON	CY	CY	TON
NB FB TO RM – OUTSIDE WIDENING	"SR1" 182+81.35 TO "SR1" 224+28.87	305	913	376		1.5
SB FB TO RM – OUTSIDE WIDENING	"SR1" 186+94.14 TO "SR1" 221+27.33	610	1830	140		2.9
NB FB TO APTOS CREEK BRIDGE – MEDIAN WIDENING	"SR1" 187+78.92 TO "SR1" 278+98.50	1650	4950	2037		7.7
SB FB TO APTOS CREEK BRIDGE – MEDIAN WIDENING	"SR1" 186+88.95 TO "SR1" 278+98.67	1542	4624	1903		7.2
NB RM TO APSTOS CREEK – OUTSIDE WIDENING	"SR1" 225+23.25 TO "SR1" 274+12.77	1002	2875	1183		4.6
SB RM TO APTOS CREEK – OUTSIDE WIDENING	"SR1" 225+51.03 TO "SR1" 278+98.69	1306	4049	1613		6.2
NB APTOS CREEK TO SP – OUTSIDE WIDENING	"SR1" 286+07.92 TO "SR1" 304+51.40	392	1174	483		1.9
SB APTOS CREEK TO SP – MEDIAN & OUTSIDE WIDENING	"SR1" 281+56.24 TO "SR1" 308+91.81	2467	7399	3045		11.5
FB TO RM – MEDIAN UNDER CB	"SR1" 195+00.00 TO "SR1" 231+75.00		165			0.2
RM TO SP – MEDIAN UNDER CB	"SR1" 235+20.00 TO "SR1" 301+79.87		300			0.4
FREEDOM BLVD SB ON–RAMP – FB1	"FB1" 188+34.60 TO "FB1" 189+44.93	16	46	19		0.1
FREEDOM BLVD NB OFF–RAMP – FB2	"FB2" 187+32.35 TO "FB2" 188+39.94	7	19	8		0.1
FREEDOM BLVD SB OFF–RAMP – FB3	"FB3" 195+80.85 TO "FB3" 196+10.85	2	4	2		0.1
FREEDOM BLVD NB ON–RAMP – FB4	"FB4" 202+84.09 TO "FB4" 203+93.38	10	30	13		0.1
RIO DEL MAR SB ON–RAMP – RM1	"RM1" 227+25.96 TO "RM1" 229+00.01	15	44	18		0.1
RIO DEL MAR NB OFF–RAMP – RM2	"RM2" 226+81.04 TO "RM2" 227+96.29	7	20	8		0.1
RIO DEL MAR NB ON–RAMP – RM3	"RM3" 235+42.69 TO "RM3" 236+16.02	4	12	5		0.2
RIO DEL MAR SB OFF–RAMP – RM4	"RM4" 247+55.53 TO "RM4" 248+07.88	4	11	5		0.1
STATE PARK SB ON–RAMP – SP1	"SP1" 303+95.07 TO "SP1" 307+35.00	117	349	144		0.6
STATE PARK NB OFF–RAMP – SP2	"SP2" 299+96.07 TO "SP2" 300+54.65	5	14	6		0.1
STATE PARK SB OFF–RAMP – SP3	"SP3" 308+92.33 TO "SP3" 311+82.83	108	322	133		0.4
STATE PARK NB ON–RAMP – SP4	"SP4" 303+66.54 TO "SP4" 303+89.95	3	7	144		0.1
RAIL TRAIL	"RT–1" 1011+71.02 TO "RT–1" 1027+23.03		666	95		1.6
	"RT–2" 2000+10.00 TO "RT–2" 2006+80.38		130	2		0.3
	"RT–3" 2999+98.27 TO "RT–3" 3028+34.98		644	77		1.6
STATE PARK DR	"SP" 10+47.92 TO "SP" 12+17.12			1.2		
RIO DEL MAR BLVD	"RDM" 13+08.83 TO "RDM" 13+26.51			0.3		
SUMNER AVE	"S" 12+19.59 TO "S" 15+11.89			5.3		
MOOSEHEAD DRIVE	"MH" 10+40.91 TO "MH" 14+76.05		75	108	108	0.3
FROM PAVEMENT EDGE TREATMENT		11.4	137.3	68.2	5.3	
FROM OVERLAY		573.4				
FROM MINOR CONCRETE (CURB AND GUTTER)				24.9		
FROM MINOR CONCRETE (STAMPED CONCRETE)				411.5		
FROM MINOR CONCRETE (SIDEWALK)				0.3		
FROM PLACE HOT MIX ASPHALT DIKE			233.8			
FROM PAVEMENT UNDER DIKE		168.8				
FROM TEMPORARY PAVING			43			
FROM RUMBLE STRIP REMOVAL						
TOTAL		10325.6	31085.8	12079.1	113.8	50.1

12" RUMBLE STRIP (AC PAVEMENT)

STATION LIMITS	Loc	INSIDE SHOULDER	OUTSIDE SHOULDER
		Sta	Sta
"SR1" 187+78.92 TO "SR1" 278+98.60	Rt	91	
"SR1" 187+78.92 TO "SR1" 273+05.00	Lt	85	
"SR1" 203+47.01 TO "SR1" 219+24.29	Rt		16
"SR1" 208+78.92 TO "SR1" 210+85.96	Lt		2
"SR1" 212+28.92 TO "SR1" 219+65.89	Lt		7
"SR1" 243+26.71 TO "SR1" 278+99.26	Rt		36
"SR1" 253+68.13 TO "SR1" 256+06.59	Lt		2
"SR1" 257+48.95 TO "SR1" 278+99.15	Lt		22
"SR1" 281+56.19 TO "SR1" 302+04.87	Rt	20	
"SR1" 281+56.23 TO "SR1" 302+04.87	Lt	20	
"SR1" 281+55.82 TO "SR1" 291+25.16	Rt		10
"SR1" 292+78.68 TO "SR1" 294+86.26	Rt		2
"SR1" 281+56.46 TO "SR1" 297+63.28	Lt		16
SUBTOTAL		217	113
TOTAL		330	

DETECTABLE WARNING SURFACE

LOCATION	DETECTABLE WARNING SURFACE
	SQFT
"RDM" 13+15.38 TO "RDM" 13+19.99	10.1
"RDM" 13+17.30	15.07
"RT–1" 1027+12.38 TO "RT–1" 1027+17.99	15.02
"RT–2" 2002+40.90 TO "RT–2" 2002+44.59	39.7
"RT–2" 2002+89.92 TO "RT–2" 2002+93.37	30.38
"RT–2" 2006+82.67 TO "RT–2" 2006+91.73	30.07
"RT–3" 2999+03.15 TO "RT–3" 3000+21.12	54.19
"SP" 12+15.94 TO "SP" 12+06.29	29.96
TOTAL	224

VEGETATION CONTROL

STATION LIMITS	Loc	SQYD
"SR1" 209+63.40 TO "SR1" 211+83.03	Lt	107
"SR1" 214+47.26 TO "SR1" 216+71.86	Rt	100
"SR1" 219+04.85 TO "SR1" 221+08.33	Lt	91
"SR1" 243+54.48 TO "SR1" 258+30.00	Rt	519
"SR1" 253+76.83 TO "SR1" 259+59.84	Lt	259
"SR1" 288+29.60 TO "SR1" 290+13.16	Lt	239
"SR1" 292+21.85 TO "SR1" 294+37.04	Rt	93
TOTAL		1315

RAILING

STATION LIMITS	Loc	CABLE RAILING	CABLE RAILING TYPE 1	CABLE RAILING TYPE 2	POST AND WIRE FENCE	STAINED GALVANIZED SURFACES
		LF	LF	LF	LF	EA
"RDM" 3+05.98 TO "RDM" 3+42.17	Lt				31	4
"RT–1" 1004+20.41 TO "RT–1" 1011+66.86	Lt				748	93
"RT–1" 1007+20.61 TO "RT–1" 1008+70.61	Rt				150	19
"RT–1" 1012+66.86 TO "RT–1" 1014+20.52	Lt				249	31
"RT–1" 1022+08.64 TO "RT–1" 1025+65.86	Lt				355	44
"RT–1" 999+50.13 TO "RT–1" 1000+20.90	Lt				71	9
"RT–1" 999+97.43 TO "RT–1" 1009+13.33	Rt				33	4
"RT–1" 999+97.43 TO 'RDM" 1002+06.55	Rt				267	33
"RT–1" 1025+65.86 TO "RT–1" 1026+98.97	Lt				132	16
"RT–3" 3000+30.78 TO "RT–3" 3002+50.00	Lt				220	27
"RT–3" 3000+90.00 TO "RT–3" 3003+77.57	Rt			285		0
"RT–3" 3002+50.00 TO "RT–3" 3003+77.57	Lt		127			0
"RT–3" 3003+77.57 TO "RT–3" 3003+78.64	Rt			1		0
"RT–3" 3003+77.57 TO "RT–3" 3003+80.11	Lt		3			0
"RT–3" 3006+84.30 TO "RT–3" 3009+94.05	Lt			312		0
"RT–3" 3006+84.30 TO "RT–3" 3009+94.05	Rt			308		0
"RT–3" 3012+93.19 TO "RT–3" 3015+65.00	Rt			272		0
"RT–3" 3012+93.19 TO "RT–3" 3015+80.00	Lt			288		0
"RT–3" 3015+65.00 TO "RT–3" 3016+05.00	Rt				39	5
"RT–3" 3015+80.00 TO "RT–3" 3017+05.50	Lt				125	16
"RT–3" 3016+05.00 TO "RT–3" 3017+05.50		101				13
"RT–3"3017+05.50 TO "RT–3" 3025+45.00		839				105
"RT–3"3025+45.00 TO "RT–3" 3028+15.68	Rt			328		0
RT–3" 3017+05.50 TO "RT–3" 3028+34.98	Lt				1130	141
TOTAL		940	130	1795	3549	561

FENCE

STATION LIMITS	Loc	CHAIN LINK FENCE (TYPE CL–6)	TEMPORARY HIGH VISIBILITY FENCE
		LF	LF
"SR1" 261+73.86 TO "SR1" 261+80.90	Rt	10	
"SR1" 267+30.12 TO "SR1" 267+35.50	Rt	7	
"SR1" 206+18.00 TO "SR1" 209+01.80	Lt		288
"SR1" 212+50.00 TO "SR1" 222+30.00	Lt		99
TOTAL		17	388

SUMMARY OF QUANTITIES

Q-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	341	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIRA CASELLI — No. 86464 — Exp. 03-31-25 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

REVISED BY | DATE REVISED

FABIOLA LOPEZ | KIRA CASELLI

CALCULATED–DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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LAST REVISION: DATE PLOTTED =>8/29/2024 | 00-00-00 | TIME PLOTTED =>5:07 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	344	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

RACHEL YAZAWA No. 94051 Exp. 09-30-24 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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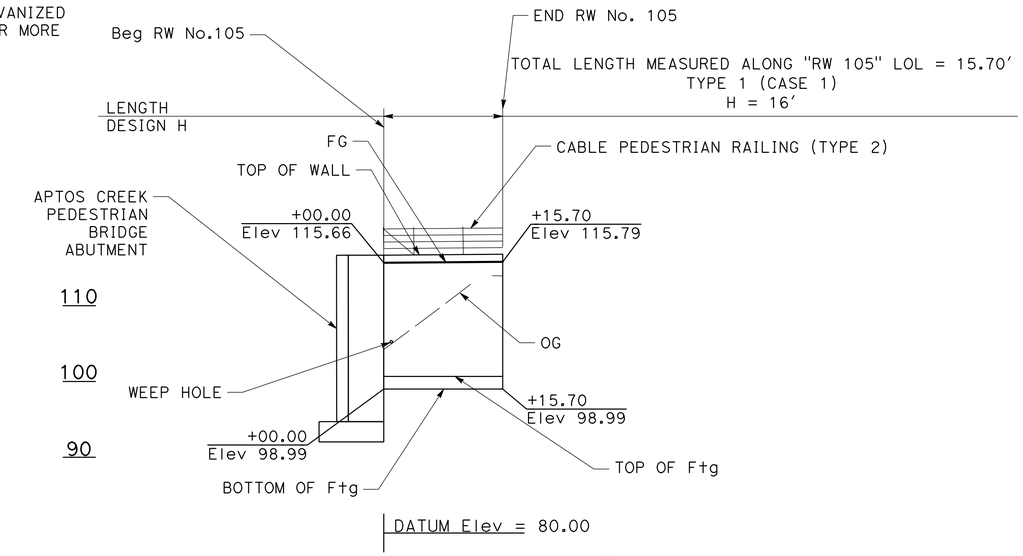
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

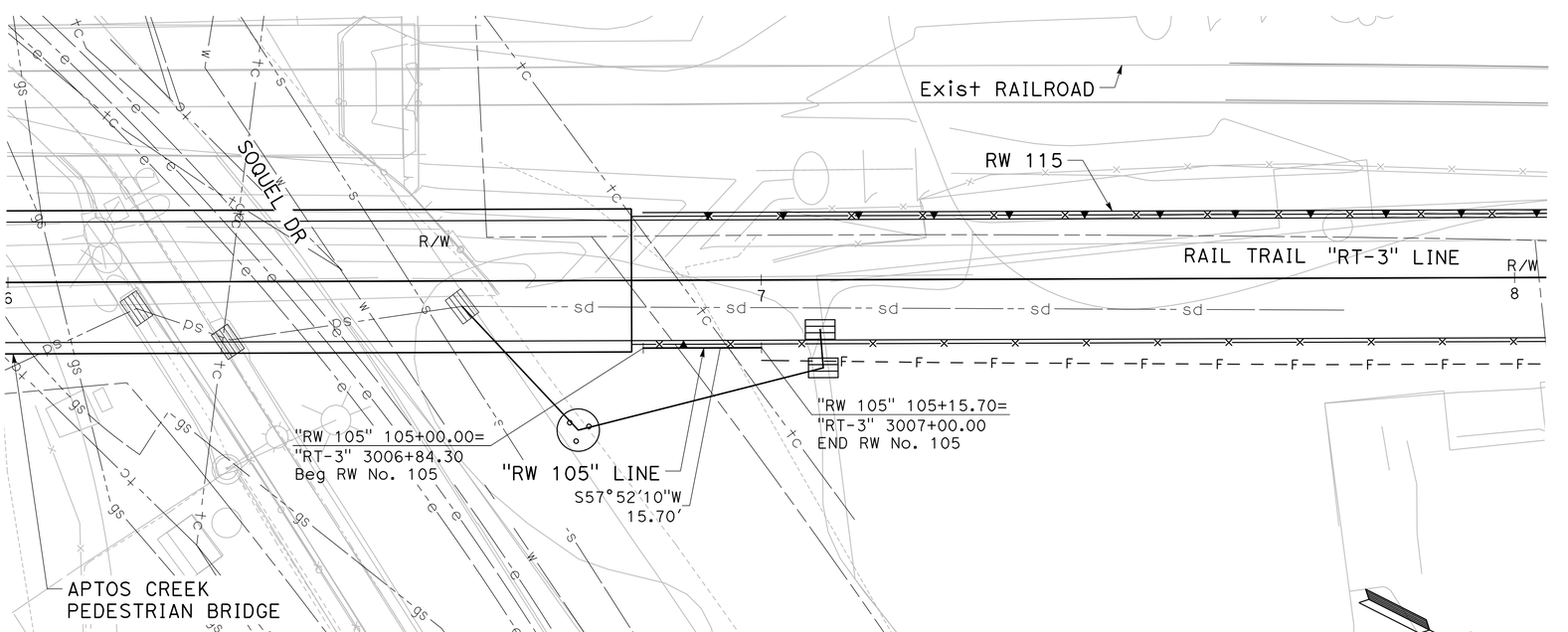
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL POSTS, BRACES, CABLES AND HARDWARE TO BE GALVANIZED AND NATINA STAINED. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION



DEVELOPED ELEVATION (A62B)

SCALE: 1" = 10'

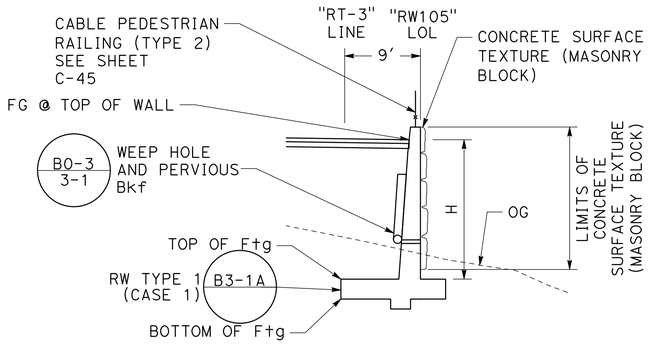


PLAN

SCALE: 1" = 10'

QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	24 CY
STRUCTURE BACKFILL, RETAINING WALL	50 CY
STRUCTURAL CONCRETE, RETAINING WALL	23 CY
BAR REINFORCING STEEL, RETAINING WALL	4913 LBS



TYPICAL SECTION

SCALE: 1" = 5'

RETAINING WALL PLAN

RETAINING WALL No. 105

SCALE: AS SHOWN

R3-1

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CALCULATED-DESIGNED BY KIERNAN MCCLOSKEY
CHECKED BY RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED =>9/4/2024 | TIME PLOTTED =>3:44 PM | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083qc001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	345	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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MARK THOMAS
701 UNIVERSITY Ave
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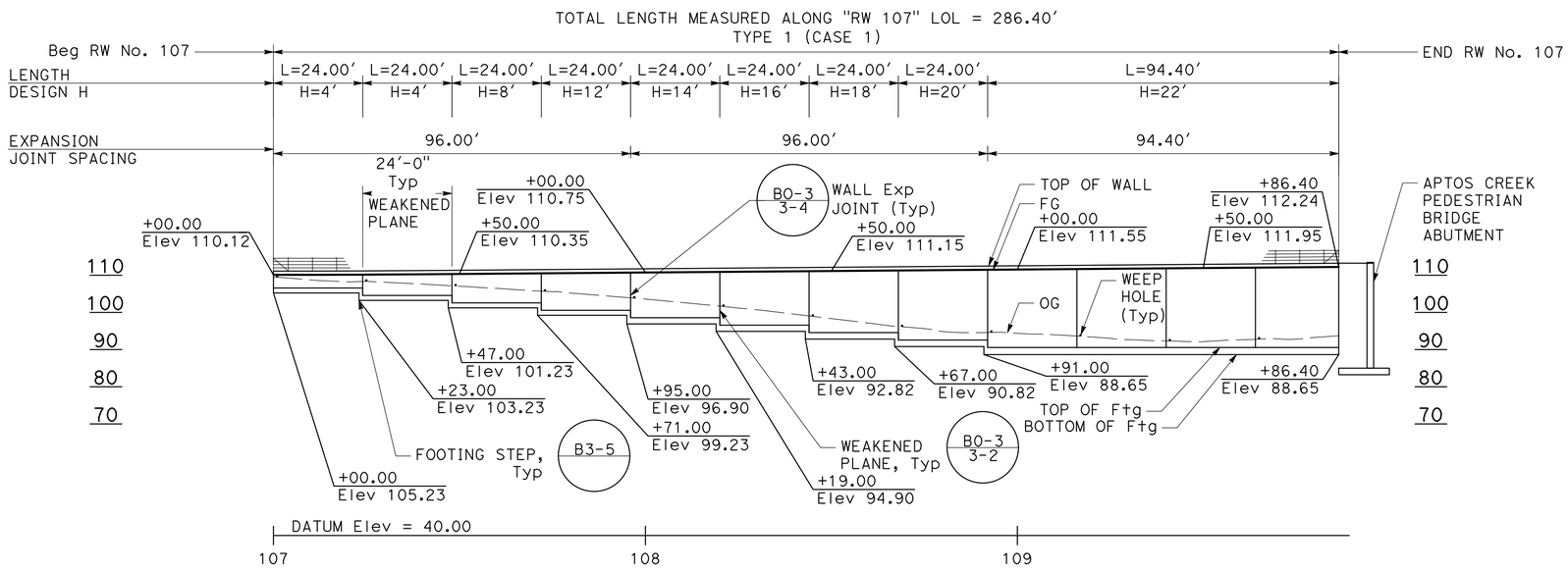
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

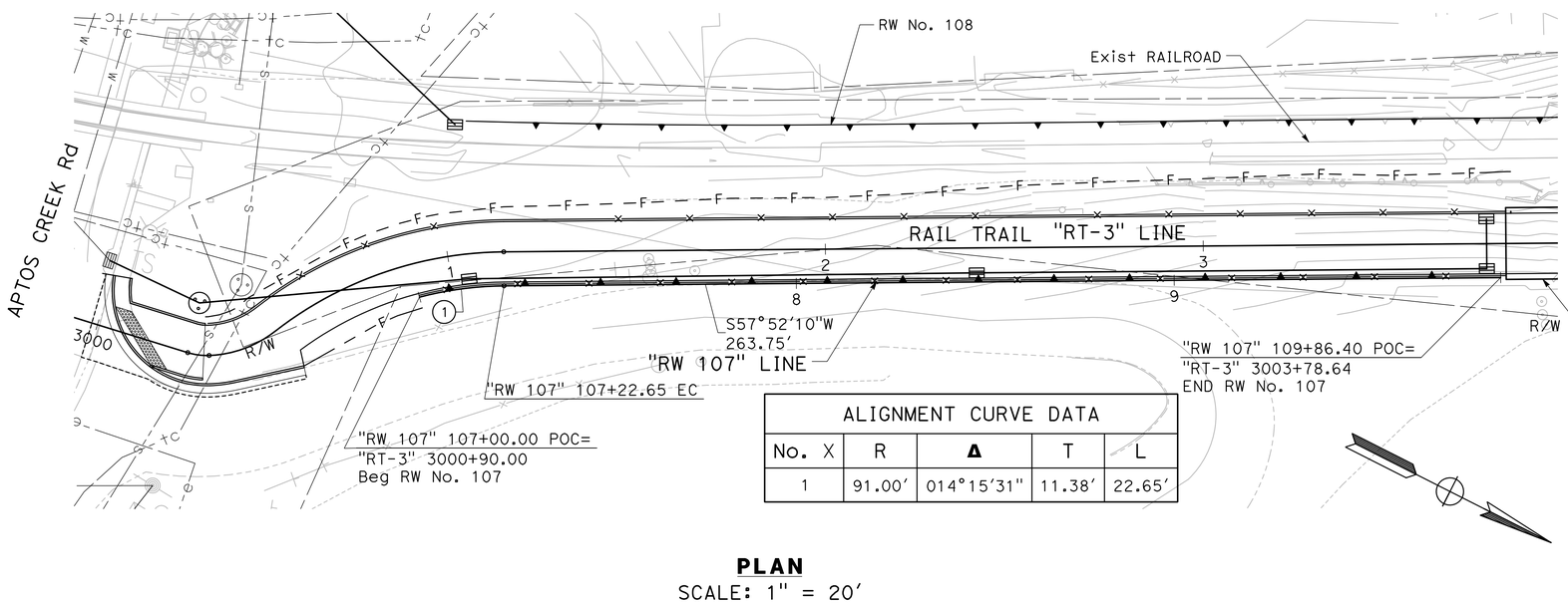
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL POSTS, BRACES, CABLES AND HARDWARE TO BE GALVANIZED AND NATINA STAINED. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION



DEVELOPED ELEVATION (A62B)
SCALE: 1" = 20'

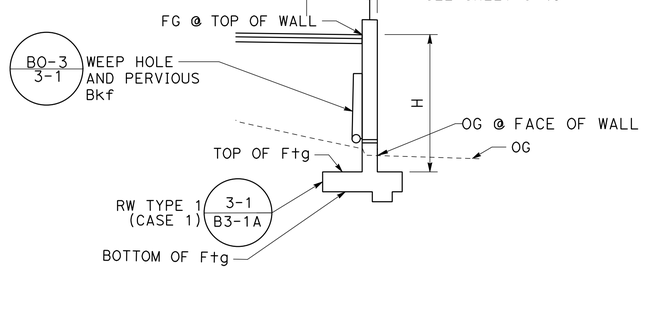
QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	412 CY
STRUCTURE BACKFILL, RETAINING WALL	1067 CY
STRUCTURAL CONCRETE, RETAINING WALL	422 CY
BAR REINFORCING STEEL, RETAINING WALL	92684 LBS



ALIGNMENT CURVE DATA				
No. X	R	Δ	T	L
1	91.00'	014°15'31"	11.38'	22.65'

PLAN
SCALE: 1" = 20'



TYPICAL SECTION
SCALE: 1" = 5'

RETAINING WALL PLAN

RETAINING WALL No. 107

SCALE: AS SHOWN

R4-1

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION: DATE PLOTTED =>9/4/2024 00-00-00 TIME PLOTTED =>3:45 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083qd001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	346	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

RACHEL YAZAWA No. 94051 Exp. 09-30-24 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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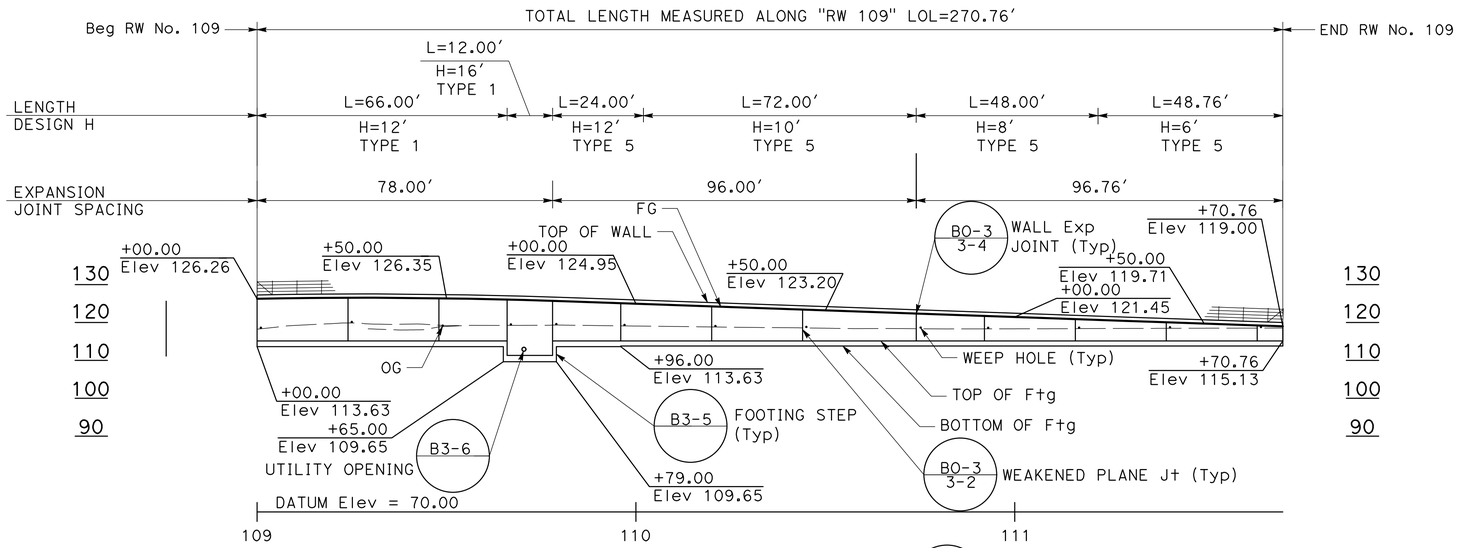
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

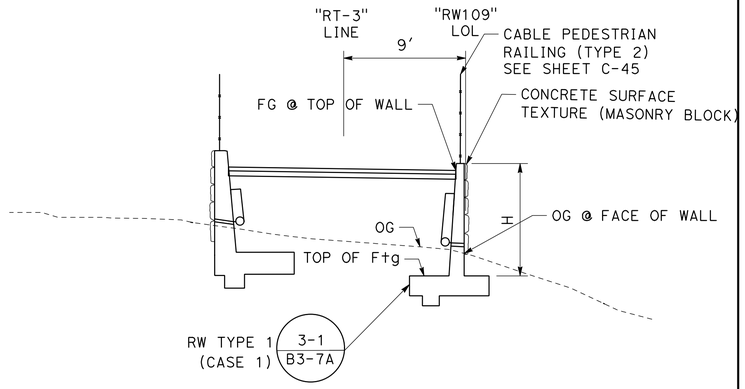
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL POSTS, BRACES, CABLES AND HARDWARE TO BE GALVANIZED AND NATINA STAINED. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION



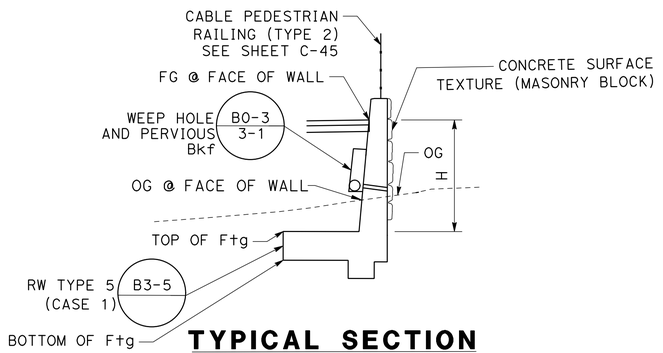
DEVELOPED ELEVATION A62B
SCALE: 1" = 20'

QUANTITIES:

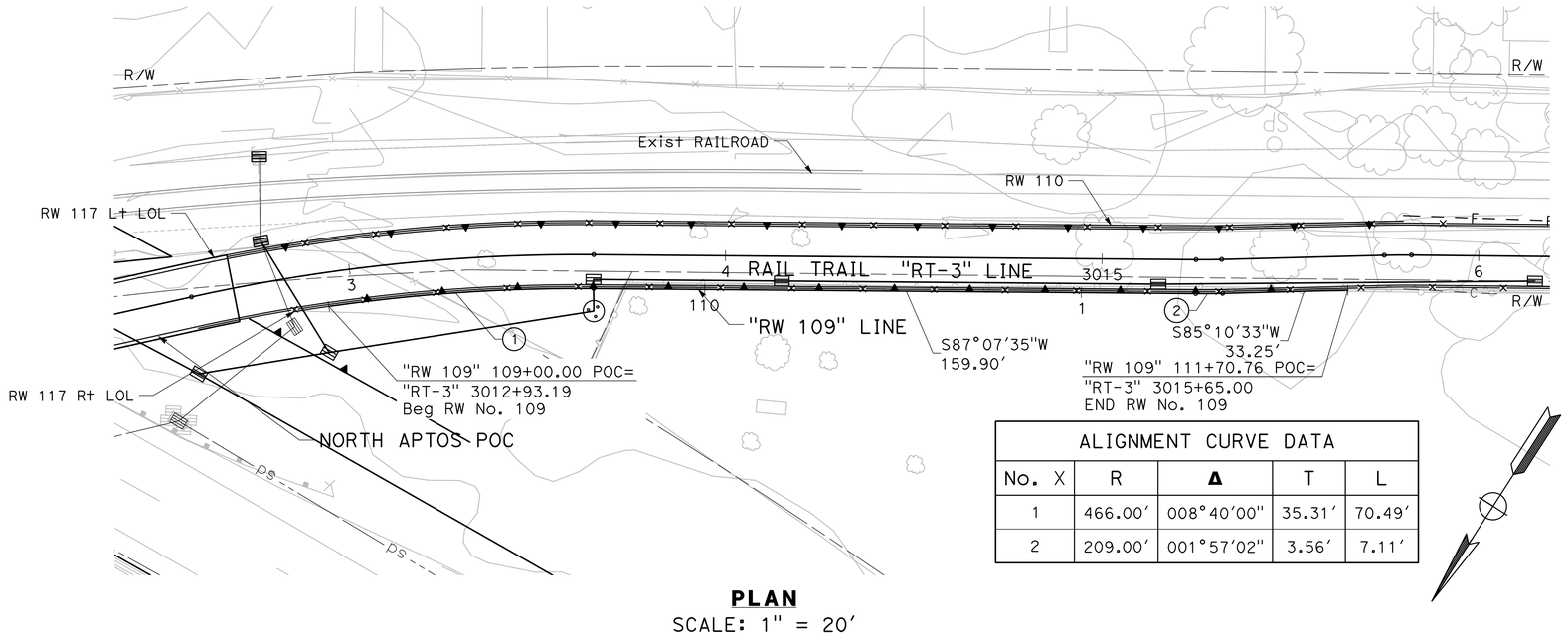
STRUCTURE EXCAVATION, RETAINING WALL	685 CY
STRUCTURE BACKFILL, RETAINING WALL	669 CY
STRUCTURAL CONCRETE, RETAINING WALL	231 CY
BAR REINFORCING STEEL, RETAINING WALL	38441 LBS



TYPICAL SECTION
SCALE: 1" = 5'



TYPICAL SECTION
SCALE: 1" = 5'



ALIGNMENT CURVE DATA				
No. X	R	Δ	T	L
1	466.00'	008°40'00"	35.31'	70.49'
2	209.00'	001°57'02"	3.56'	7.11'

PLAN
SCALE: 1" = 20'

RETAINING WALL PLAN

RETAINING WALL No. 109

SCALE: AS SHOWN

R5-1

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REVISED BY | DATE REVISED
KIERNAN MCCLOSKEY | RACHEL YAZAWA
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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00-00-00 | TIME PLOTTED => 3:46 PM

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USERNAME => KMCCLOSKEY
DGN FILE => 0520000083qe001.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	347	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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MARK THOMAS
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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
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SANTA CRUZ, CA 95060

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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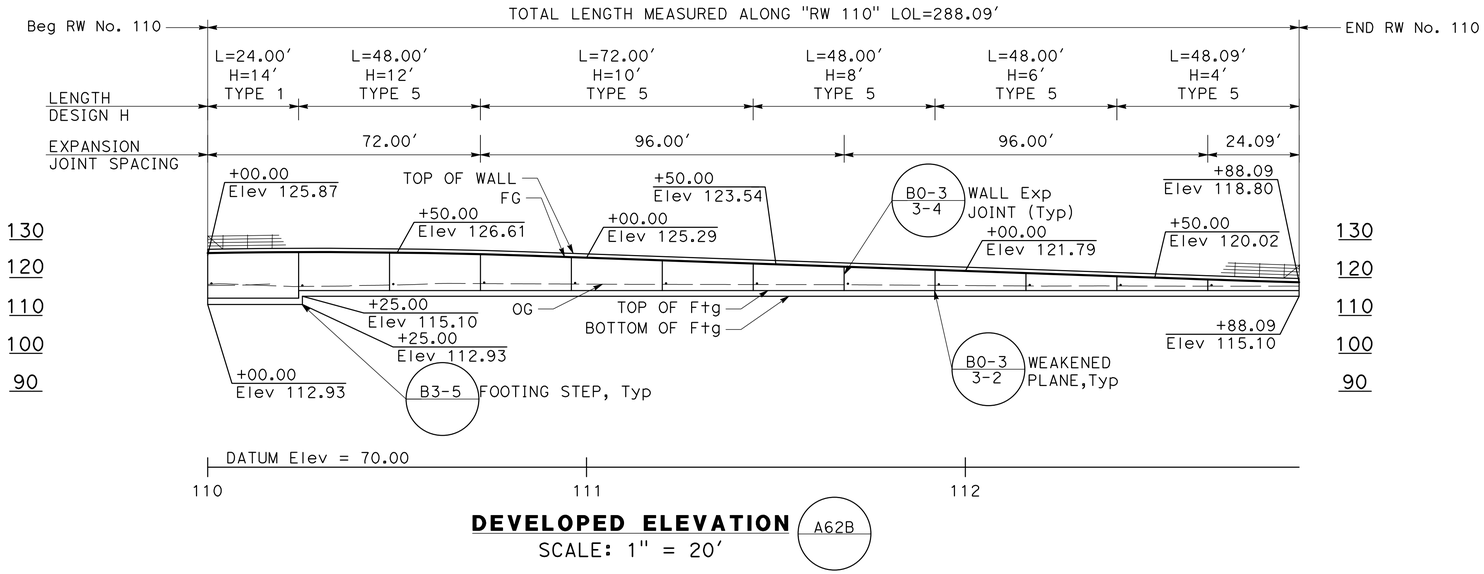
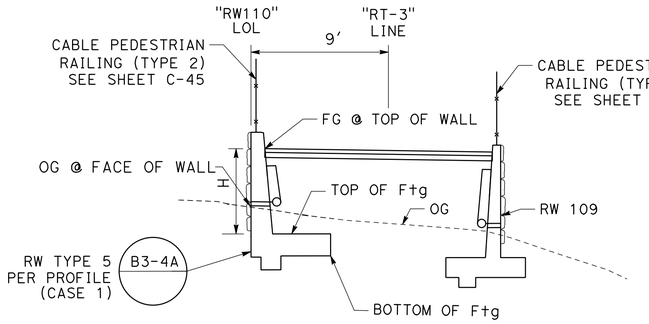


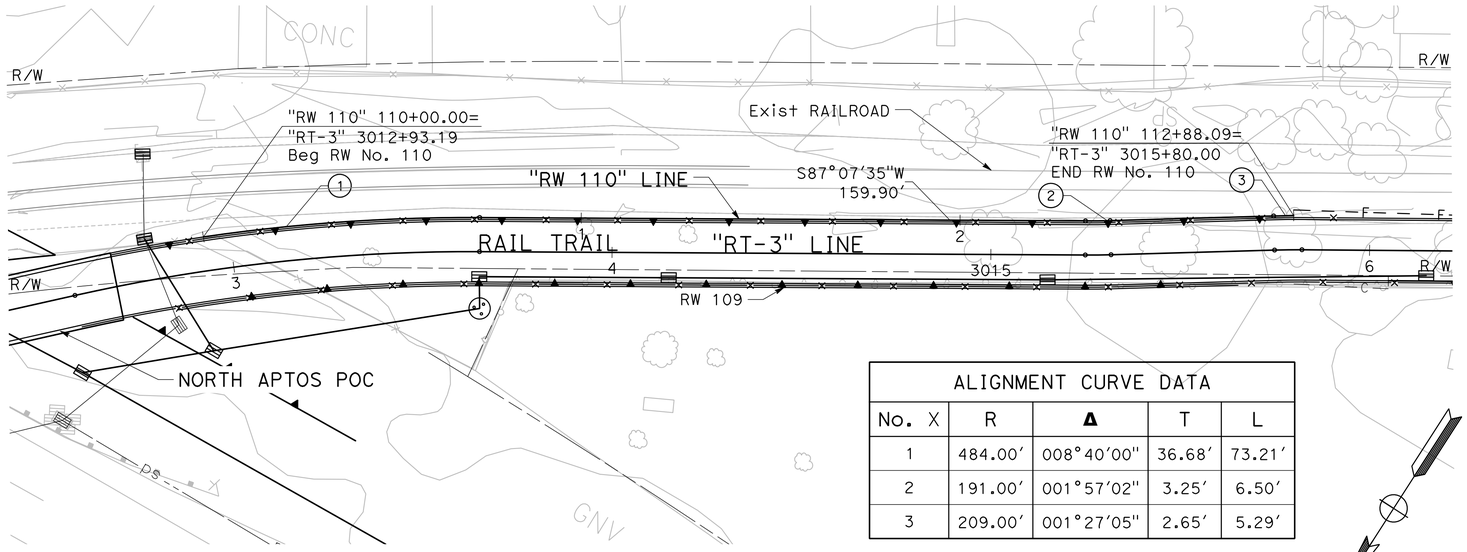
DEVELOPED ELEVATION A62B
SCALE: 1" = 20'

QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	877 CY
STRUCTURE BACKFILL, RETAINING WALL	794 CY
STRUCTURAL CONCRETE, RETAINING WALL	234 CY
BAR REINFORCING STEEL, RETAINING WALL	36002 LBS



TYPICAL SECTION
SCALE: 1" = 5'



ALIGNMENT CURVE DATA				
No. X	R	Δ	T	L
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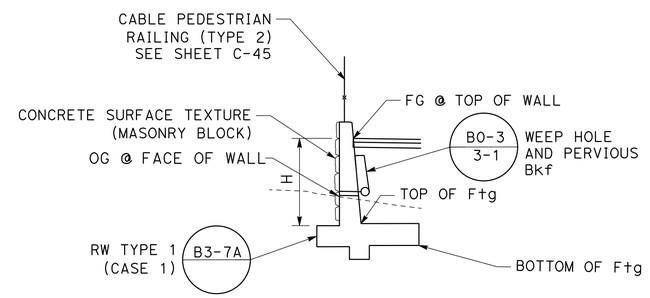
2	191.00'	001°57'02"	3.25'	6.50'
3	209.00'	001°27'05"	2.65'	5.29'

PLAN
SCALE: 1" = 20'



TYPICAL SECTION
SCALE: 1" = 5'

RETAINING WALL PLAN

RETAINING WALL No. 110

SCALE: AS SHOWN

R6-1

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REVISED BY | DATE REVISED
KIERNAN MCCLOSKEY | RACHEL YAZAWA
CALCULATED-DESIGNED BY | CHECKED BY
ZACHARY SIVIGLIA
CONSULTANT FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED =>9/4/2024
TIME PLOTTED =>3:47 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	348	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RACHEL YAZAWA
No. 94051
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

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1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

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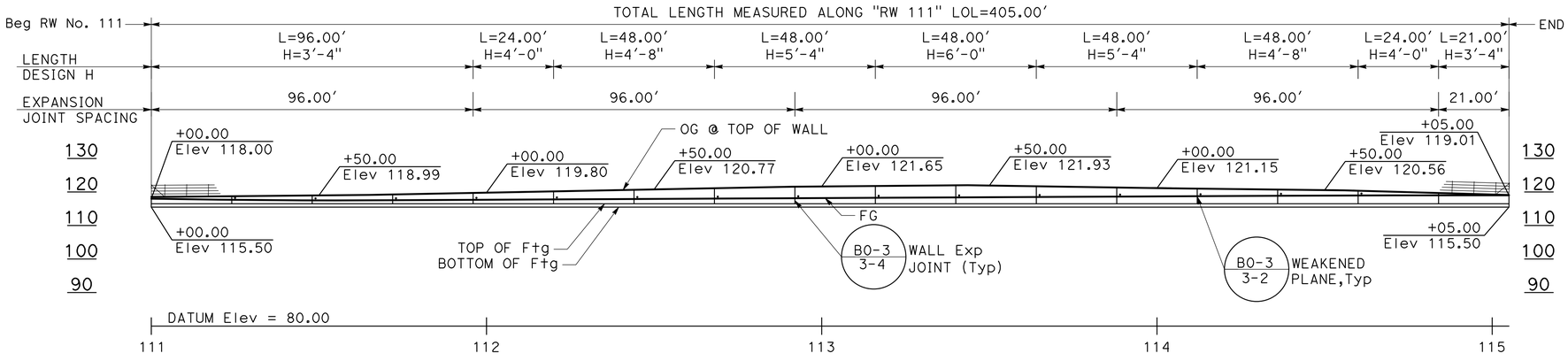
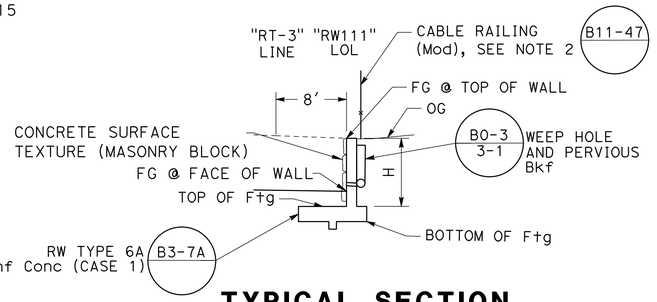


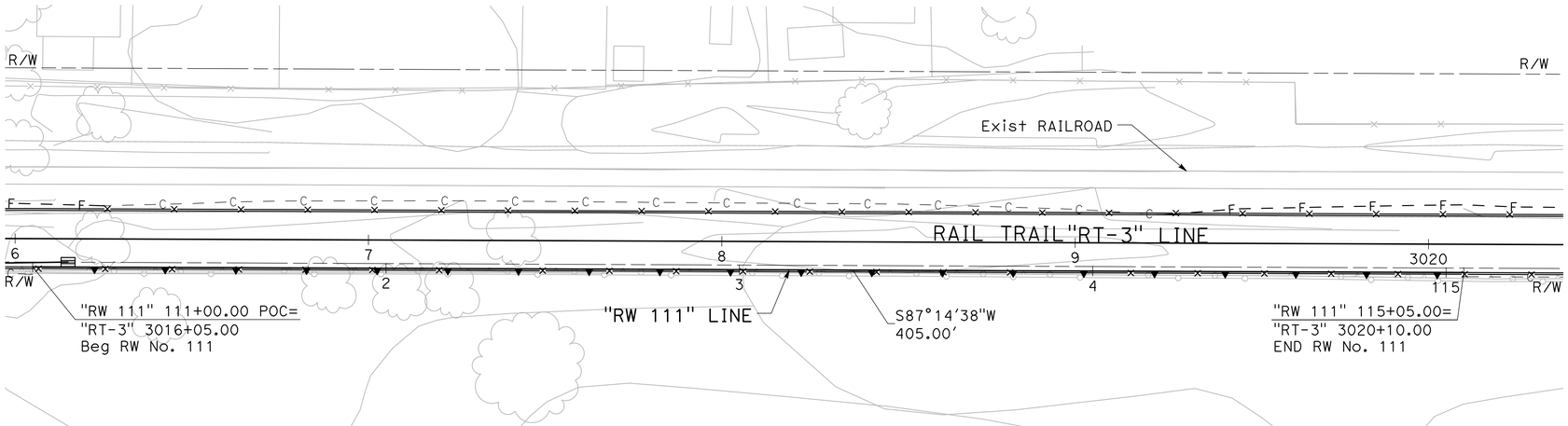
DEVELOPED ELEVATION A62B
SCALE: 1" = 20'

QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	262 CY
STRUCTURE BACKFILL, RETAINING WALL	137 CY
STRUCTURAL CONCRETE, RETAINING WALL	1015 CY
BAR REINFORCING STEEL, RETAINING WALL	9760 LBS



TYPICAL SECTION
SCALE: 1" = 5'



PLAN
SCALE: 1" = 20'

DRAFT - NOT FOR CONSTRUCTION

RETAINING WALL PLAN
RETAINING WALL No. 111
SCALE: AS SHOWN

R7-1

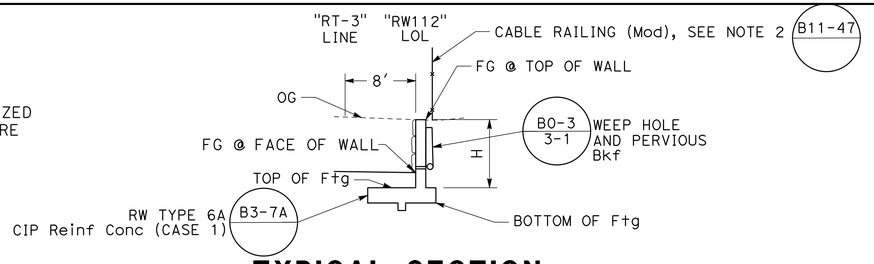
REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED =>9/4/2024
TIME PLOTTED =>3:48 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083qg001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL POSTS, BRACES, CABLES, AND HARDWARE TO BE GALVANIZED AND NATINA STAINED. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION.



TYPICAL SECTION
SCALE: 1" = 5'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	349	932

95% SUBMITTAL
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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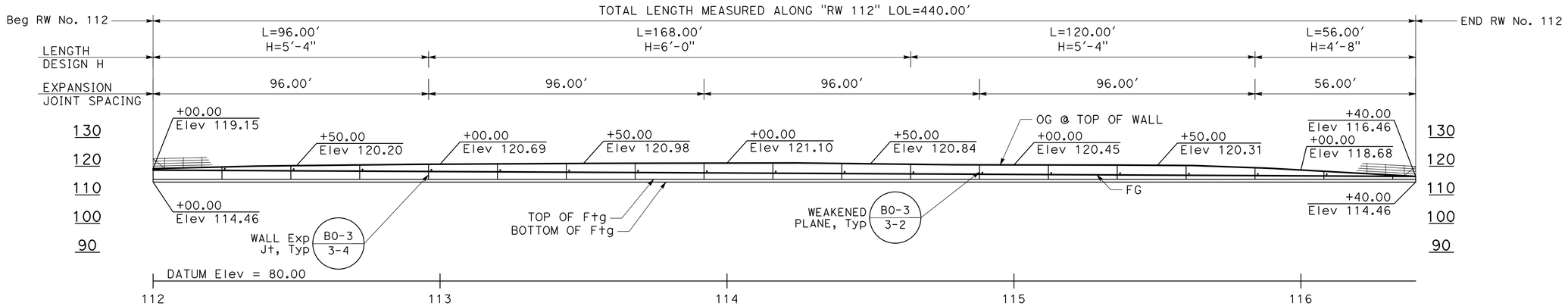
MARK THOMAS
701 UNIVERSITY Ave
SUITE 200
SACRAMENTO, CA 95825

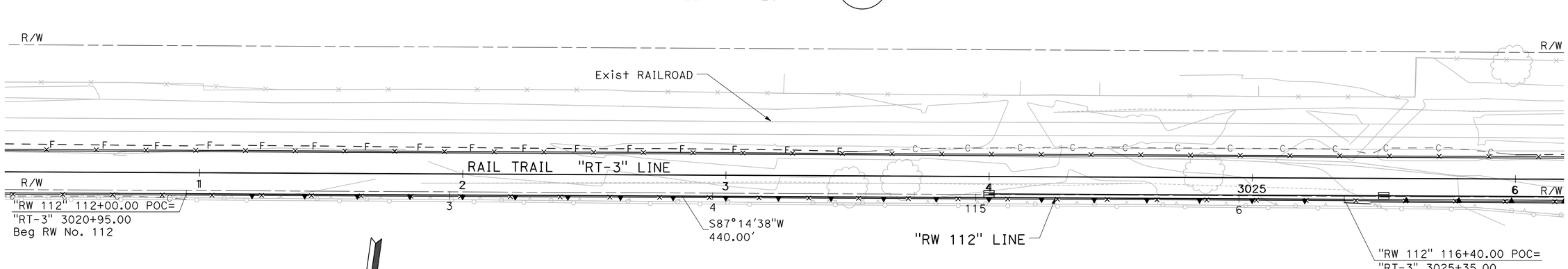
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	322 CY
STRUCTURE BACKFILL, RETAINING WALL	180 CY
STRUCTURAL CONCRETE, RETAINING WALL	1458 CY
BAR REINFORCING STEEL, RETAINING WALL	11330 LBS



DEVELOPED ELEVATION (A62B)
SCALE: 1" = 20'



PLAN
SCALE: 1" = 20'

RETAINING WALL PLAN
RETAINING WALL No. 112
SCALE: AS SHOWN

R8-1

DRAFT - NOT FOR CONSTRUCTION

REVISED BY | DATE REVISED
KIERNAN MCCLOSKEY | RACHEL YAZAWA
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ZACHARY SIVIGLIA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED =>9/4/2024 | TIME PLOTTED =>3:48 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083qh001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	350	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RACHEL YAZAWA — No. 94051 — Exp. 09-30-24 — CIVIL — STATE OF CALIFORNIA

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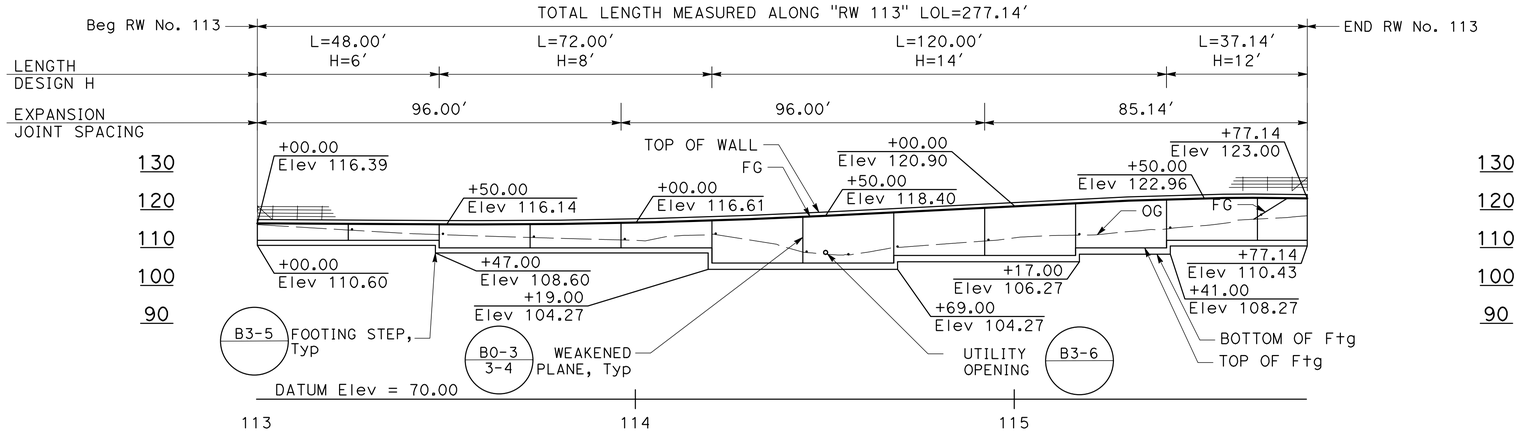
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

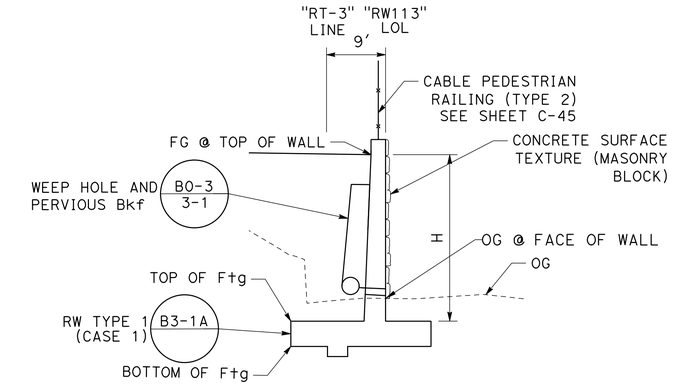
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL POSTS, BRACES, CABLES AND HARDWARE TO BE GALVANIZED AND NATINA STAINED. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION.



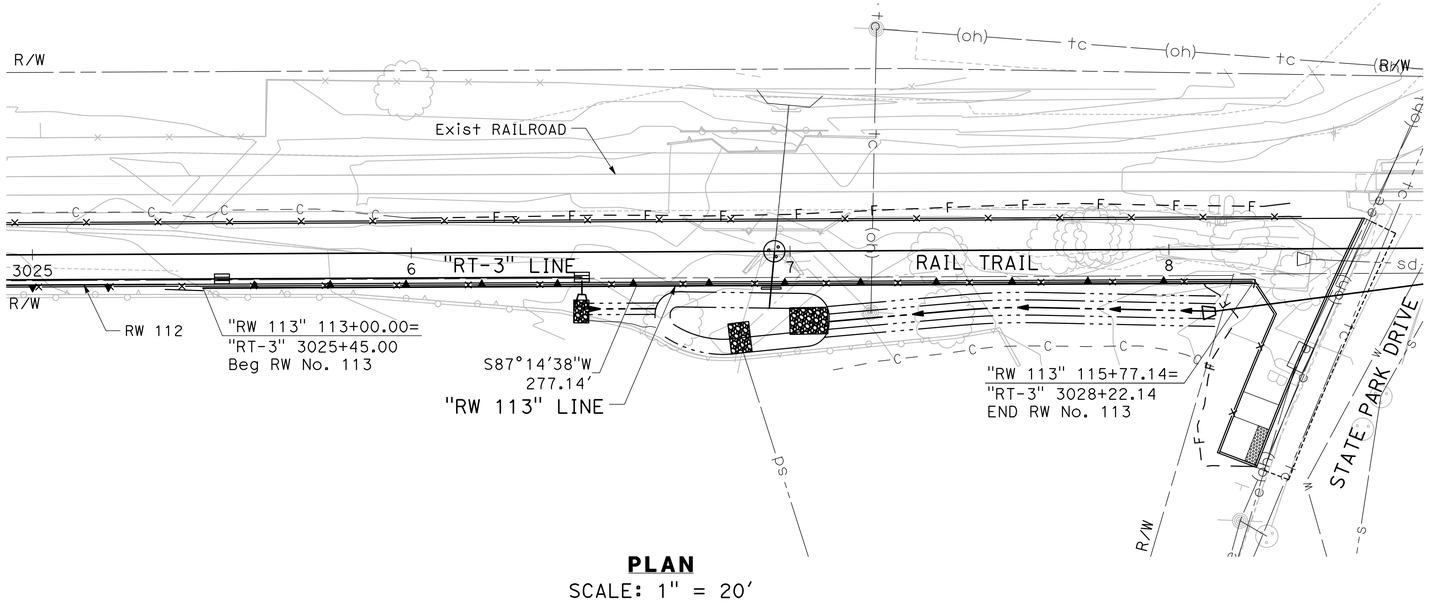
DEVELOPED ELEVATION A62B
SCALE: 1" = 20'

QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	73 CY
STRUCTURE BACKFILL, RETAINING WALL	37 CY
STRUCTURAL CONCRETE, RETAINING WALL	163 CY
BAR REINFORCING STEEL, RETAINING WALL	32806 LBS



TYPICAL SECTION
SCALE: 1" = 5'



PLAN
SCALE: 1" = 20'

RETAINING WALL PLAN

RETAINING WALL No. 113

SCALE: AS SHOWN

R9-1

DRAFT - NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA
CALCULATED-DESIGNED BY: KIERNAN MCCLOSKEY
CHECKED BY: RACHEL YAZAWA
REVISED BY
DATE REVISED

LAST REVISION: 00-00-00 | DATE PLOTTED =>9/4/2024 | TIME PLOTTED =>3:49 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083qi001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	351	932

95% SUBMITTAL

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

RACHEL YAZAWA No. 94051 Exp. 09-30-24 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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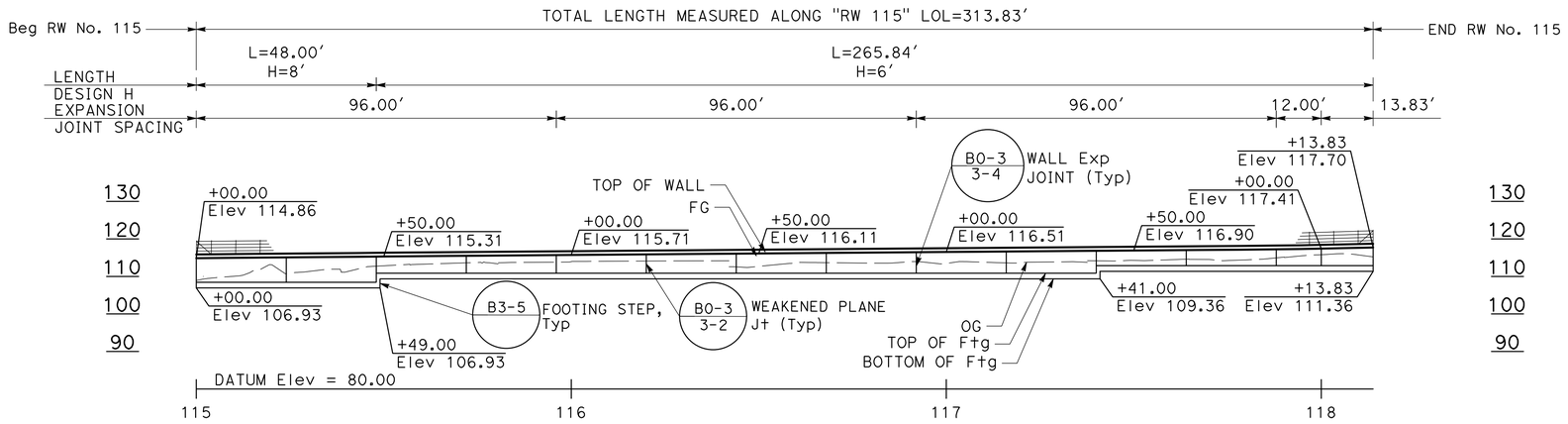
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1101 PACIFIC AVENUE
Ste 250
SANTA CRUZ, CA 95060

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL POSTS, BRACES, CABLES AND HARDWARE TO BE GALVANIZED AND NATINA STAINED. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION.

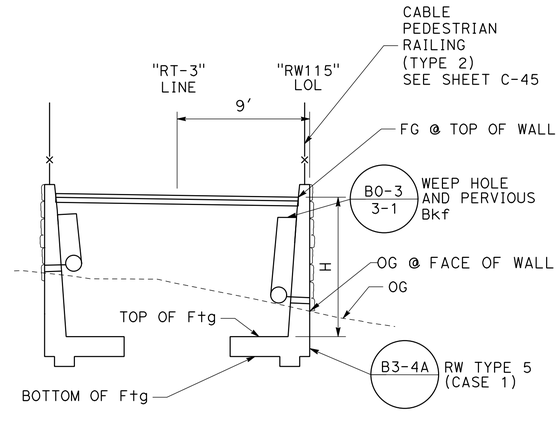


DEVELOPED ELEVATION A62B

SCALE: 1" = 20'

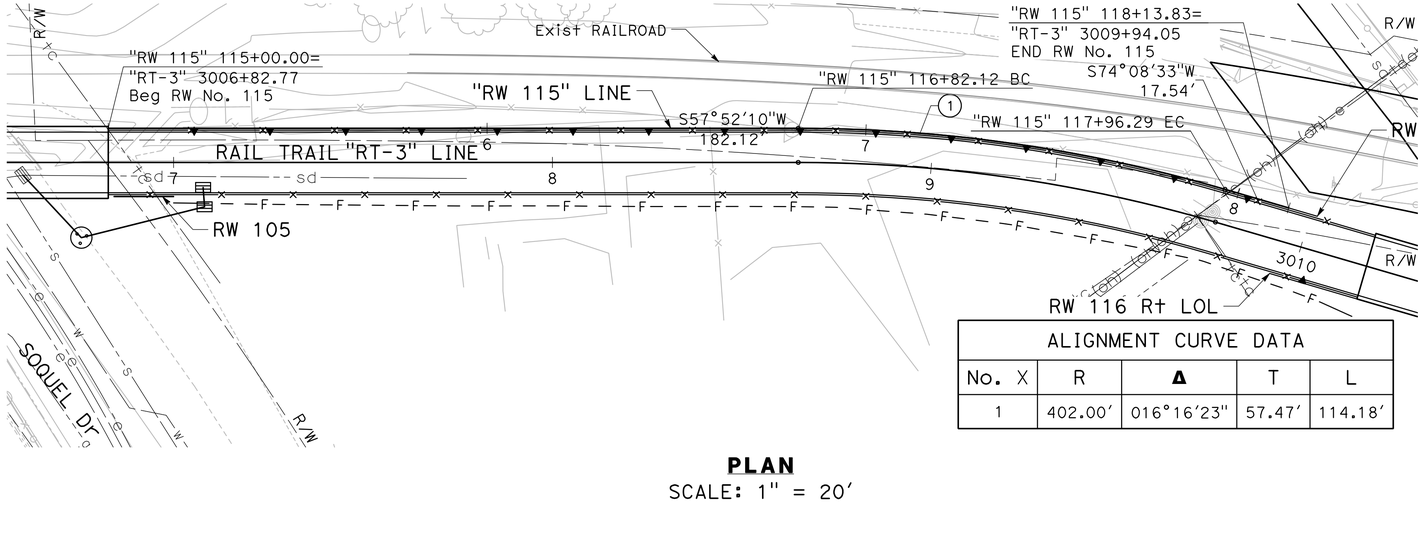
QUANTITIES:

STRUCTURE EXCAVATION, RETAINING WALL	672 CY
STRUCTURE BACKFILL, RETAINING WALL	532 CY
STRUCTURAL CONCRETE, RETAINING WALL	196 CY
BAR REINFORCING STEEL, RETAINING WALL	28760 LBS



TYPICAL SECTION

SCALE: 1" = 5'



ALIGNMENT CURVE DATA				
No. X	R	Δ	T	L
1	402.00'	016°16'23"	57.47'	114.18'

PLAN

SCALE: 1" = 20'

RETAINING WALL PLAN

RETAINING WALL No. 115

SCALE: AS SHOWN

R10-1

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CHECKED BY: RACHEL YAZAWA
CONSULTANT FUNCTIONAL SUPERVISOR: ZACHARY SIVIGLIA

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Caltrans

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00-00-00 | TIME PLOTTED =>3:50 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => KMCCLOSKEY | DGN FILE => 0520000083qj001.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	380	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LIC#5577
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

PLANS APPROVAL DATE

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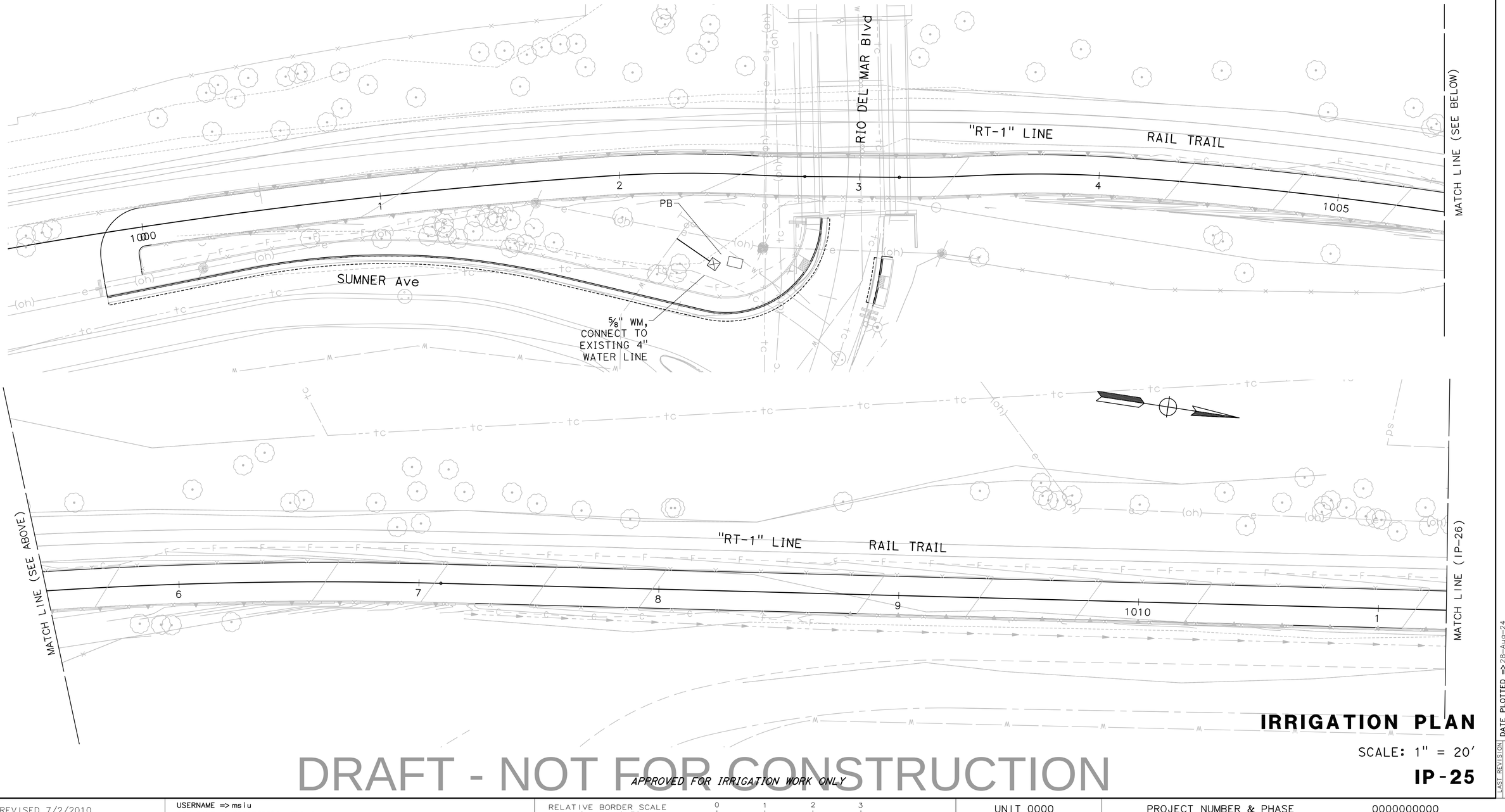
SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



IRRIGATION PLAN

SCALE: 1" = 20'

IP-25

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR IRRIGATION WORK ONLY

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DATE PLOTTED => 28-Aug-24
TIME PLOTTED => 09:31

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	381	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LOBERST Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

PLANS APPROVAL DATE

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SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

IRRIGATION PLAN

SCALE: 1" = 20'

IP-26

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

REVISED BY

DATE REVISED

LAST REVISION DATE PLOTTED => 28-Aug-24
00-00-00 TIME PLOTTED => 09:32

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sp026.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	382	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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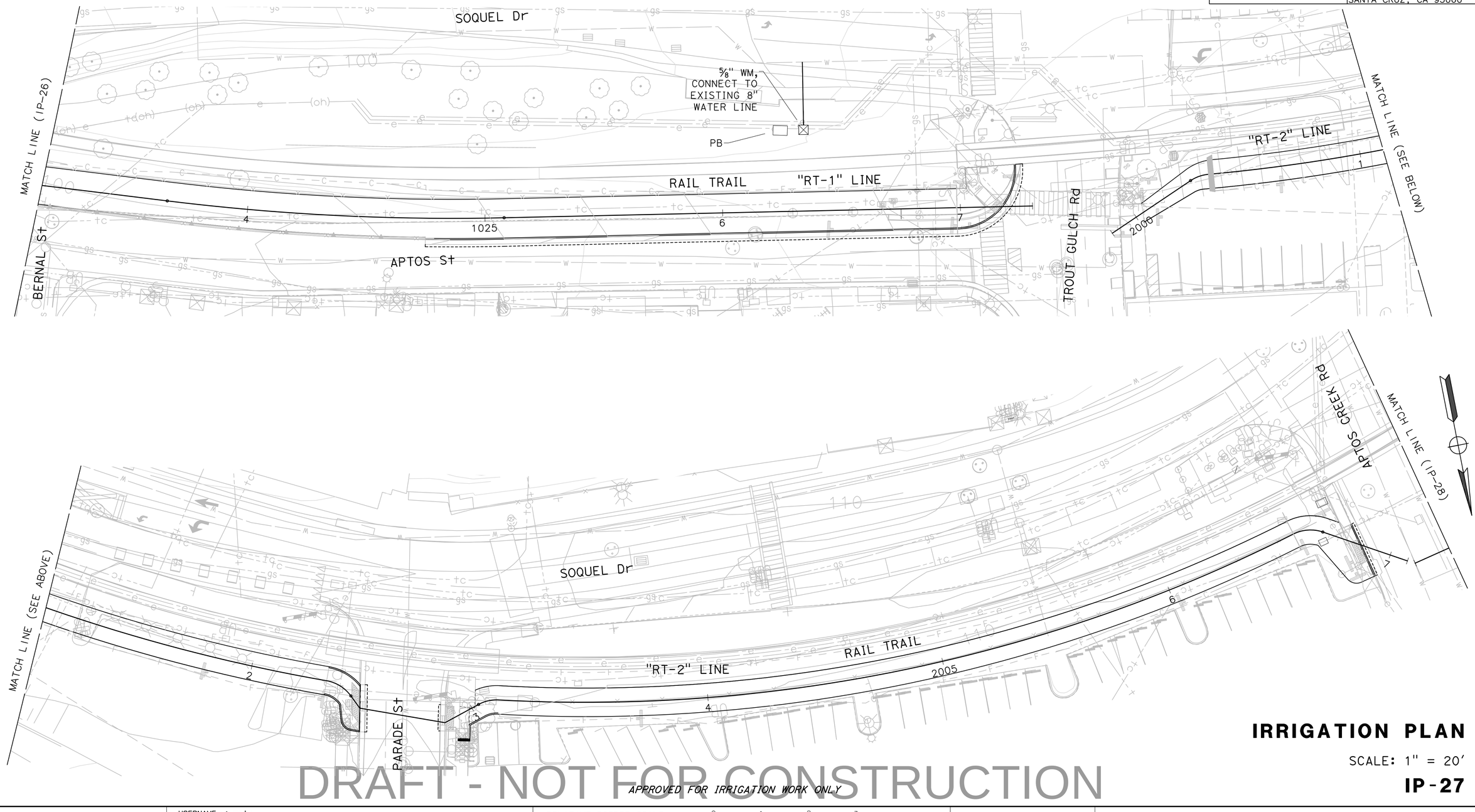
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



IRRIGATION PLAN

SCALE: 1" = 20'

IP-27

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED–DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

REVISED BY | DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 28-Aug-24

TIME PLOTTED => 09:33

BORDER LAST REVISED 7/2/2010

USERNAME => msiu

DGN FILE => 0520000083sp027.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	383	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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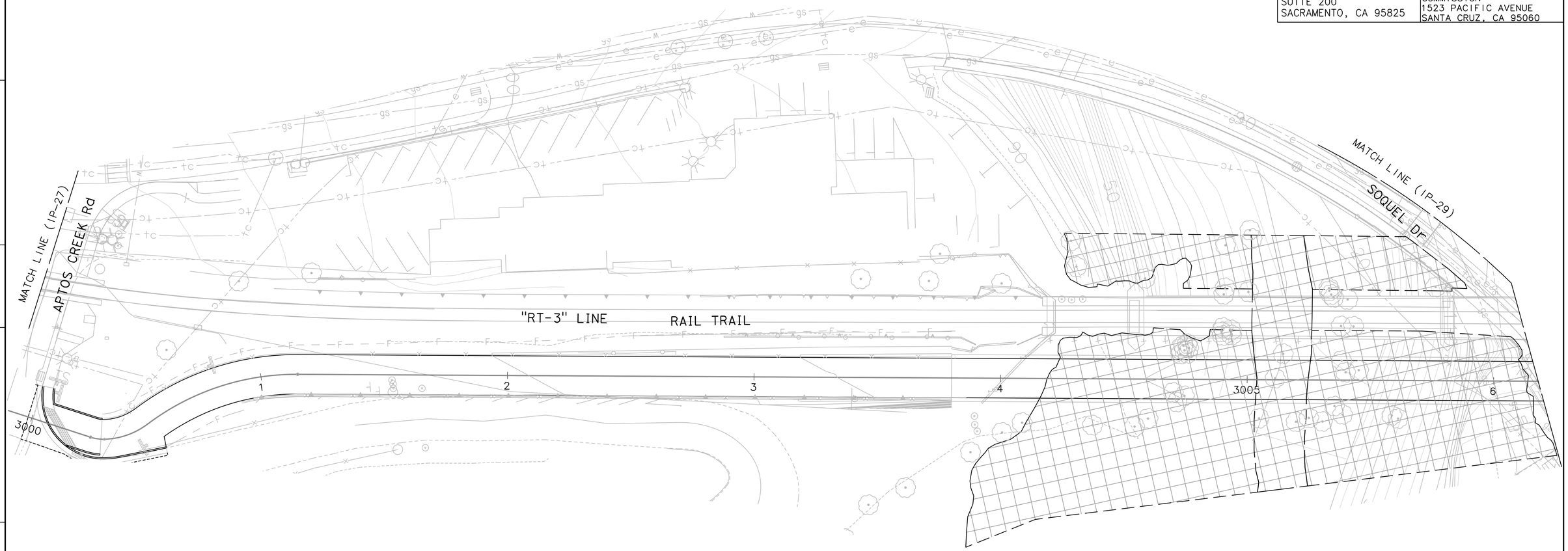
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



IRRIGATION PLAN

SCALE: 1" = 20'

IP-28

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REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DATE PLOTTED => 28-Aug-24
00-00-00 TIME PLOTTED => 09:34

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sp028.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	384	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LOBOSTT Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

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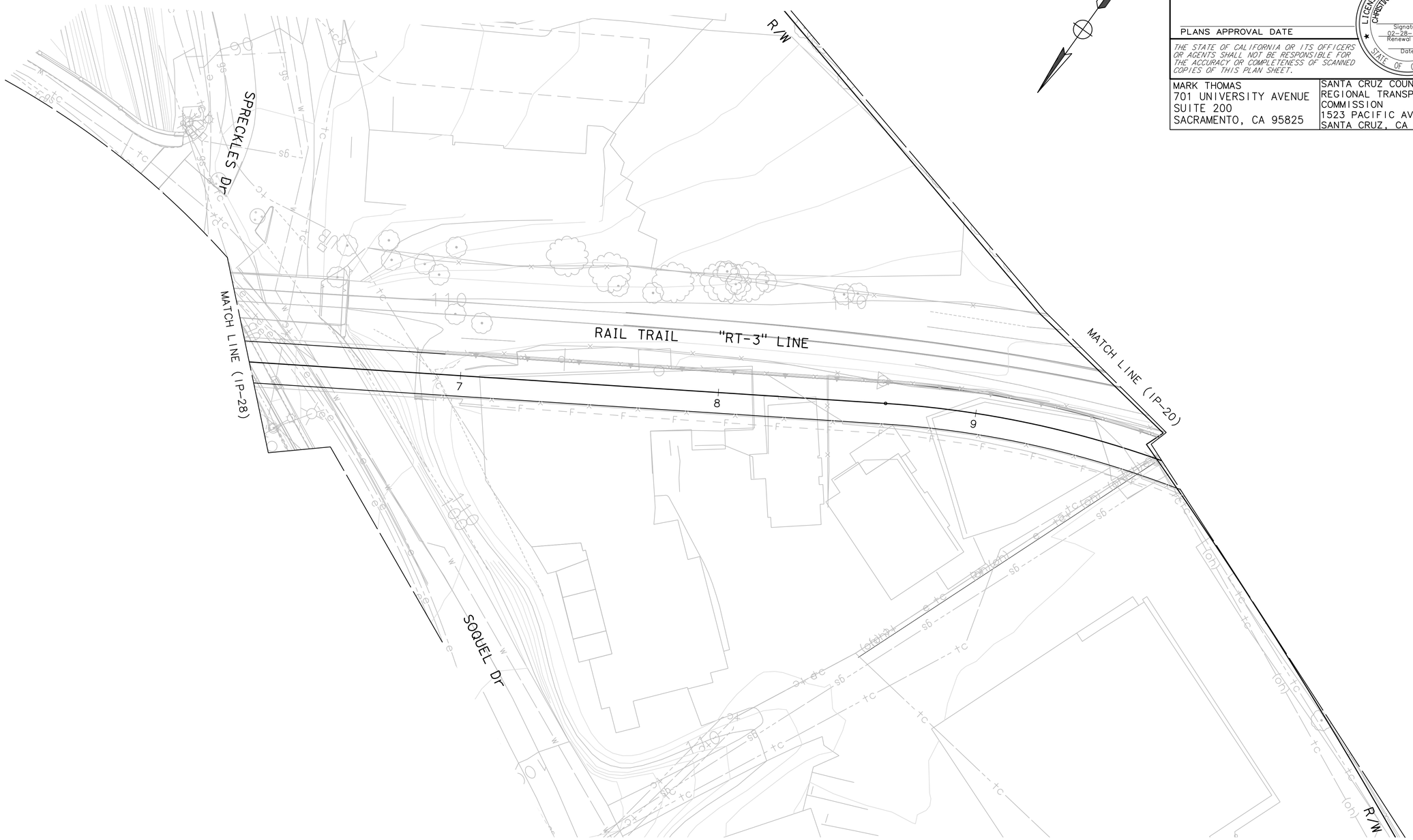
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



IRRIGATION PLAN

SCALE: 1" = 20'

IP-29

APPROVED FOR IRRIGATION WORK ONLY

DRAFT - NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

REVISED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 28-Aug-24
00-00-00 TIME PLOTTED => 09:35

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sp029.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	385	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LORDSTT
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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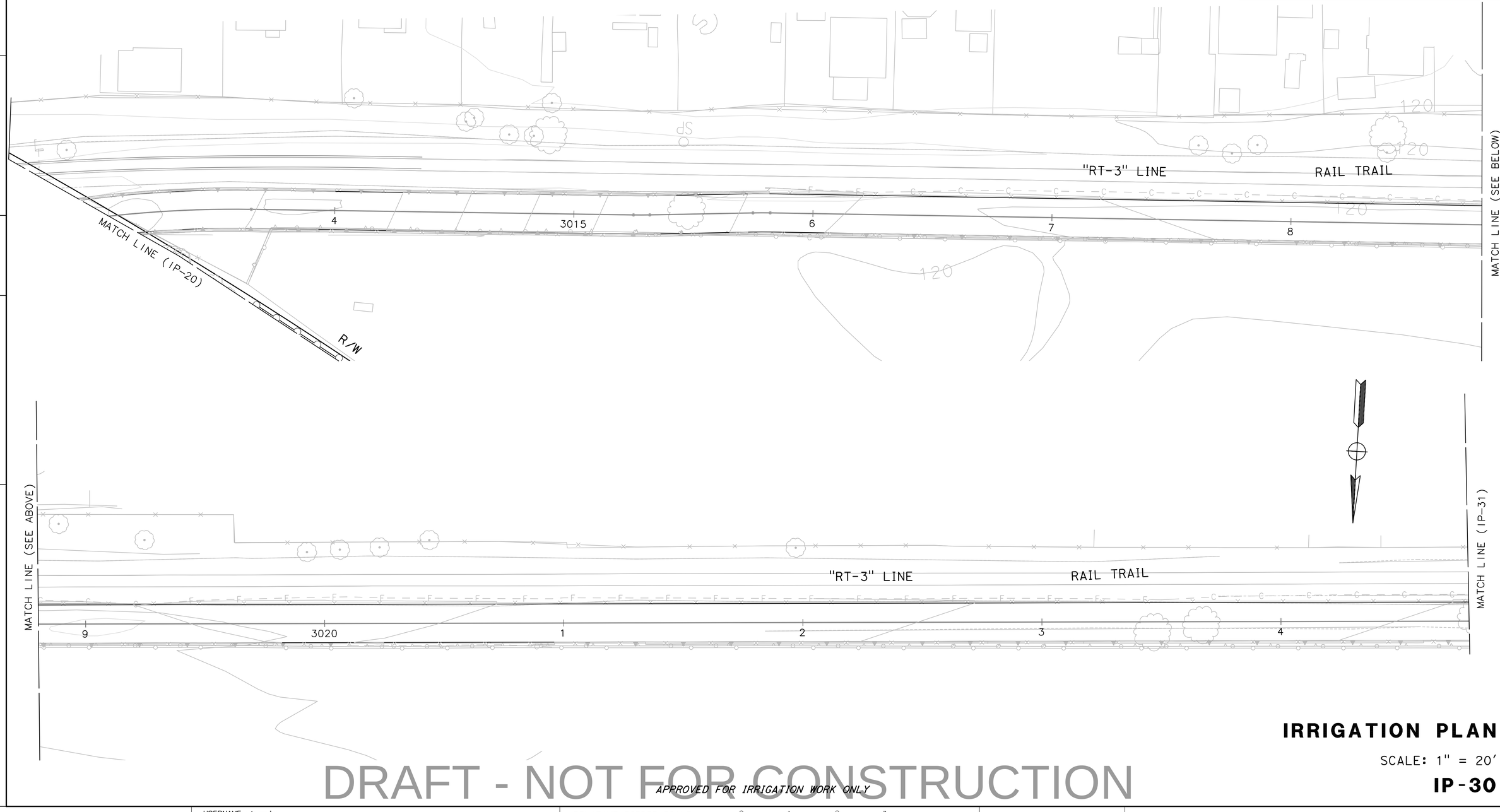
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



IRRIGATION PLAN

SCALE: 1" = 20'

IP-30

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR IRRIGATION WORK ONLY

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION: DATE PLOTTED => 28-Aug-24
00-00-00 TIME PLOTTED => 09:36

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sp030.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	386	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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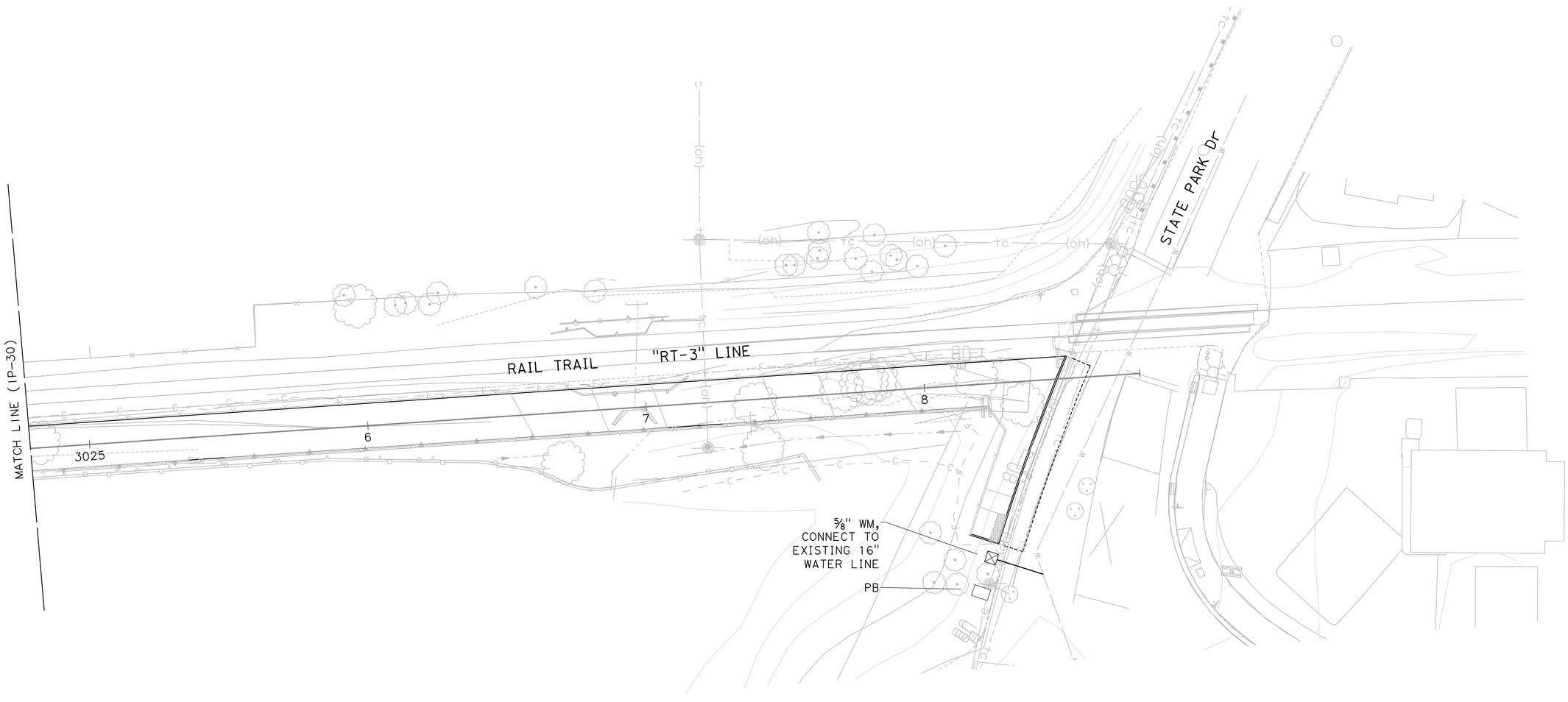
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



IRRIGATION PLAN

SCALE: 1" = 20'

IP-31

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR IRRIGATION WORK ONLY

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 28-Aug-24
00-00-00 | TIME PLOTTED => 09:37

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sp031.dwg

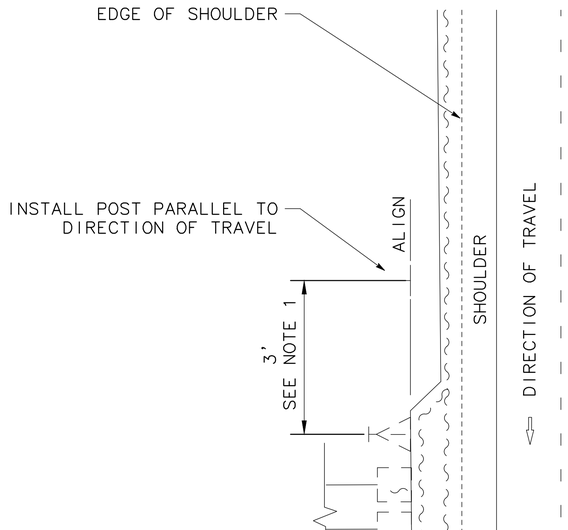
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

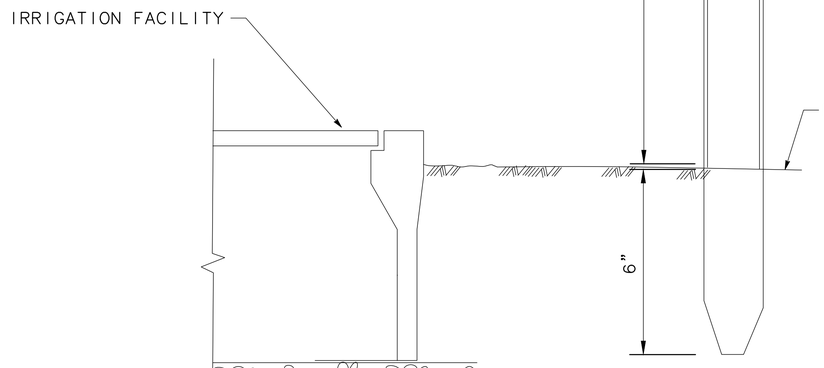
PROJECT NUMBER & PHASE 0000000000

NOTE:

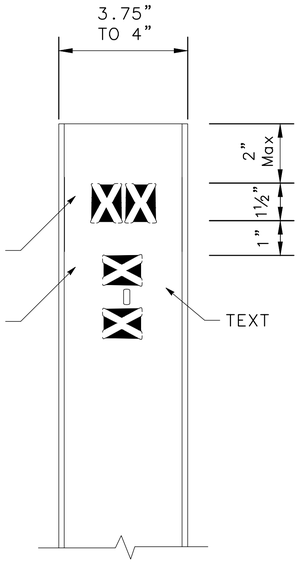
1. IF UNABLE TO DRIVE POST 3 FEET FROM FACILITY, ALIGN WITH FRONT EDGE OF FACILITY BEING MARKED AND ENSURE NO CONFLICT.
2. INSTALL POST SO THAT IT CAN E READ WHEN STOPPED ON SHOULDER.



PLAN

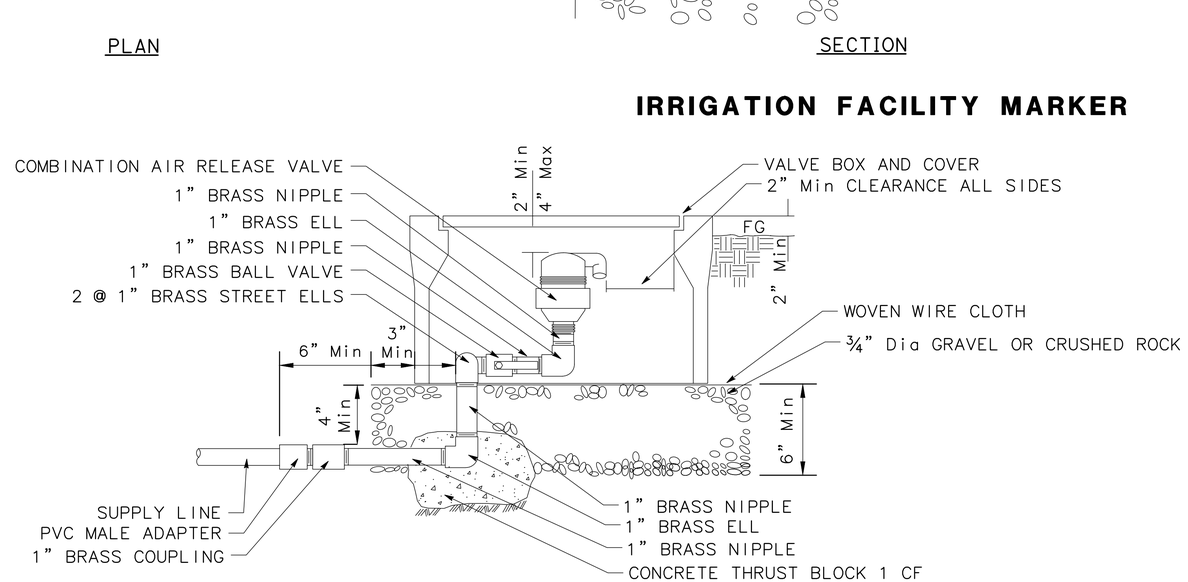


SECTION



TEXT DETAIL

IRRIGATION FACILITY MARKER



COMBINATION AIR RELIEF ASSEMBLY

DRAFT - NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	387	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LA#5577 Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

PLANS APPROVAL DATE

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SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

IRRIGATION DETAILS

ID-1

REVISED BY: | DATE REVISED:

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00
DATE PLOTTED => 28-Aug-24
TIME PLOTTED => 09:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	389	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LOBERST Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

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SANTA CRUZ, CA 95060

IRRIGATION QUANTITY
(MAIN SUPPLY SIDE OF CONTROL VALVE)

SHEET No.	IRRIGATION CONTROLLER			BACKFLOW PREVENTER ASSEMBLY		FLOW SENSOR		WYE STRAINER ASSEMBLY	COMBINATION AIR RELEASE VALVE ASSEMBLY	VALVE						SUPPLY LINE		(N) SPRINKLER CONTROL CONDUIT
	16 STATION (WALL MOUNTED)	48 STATION (WALL MOUNTED)	(N) IRRIGATION CONTROLLER ENCLOSURE CABINET							REMOTE CONTROL			BALL	GATE		PLASTIC PIPE (CLASS 315)		
				1½"	1½"	¾"	1½"	2"	1"	1"	1½"	2"	2"	1"	3"	2"	3"	2"
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF
IP-25																		
IP-26																		
IP-27																		
IP-28																		
IP-29																		
IP-30																		
IP-31																		
SUBTOTAL	#	#	#	#		#		#	#	#	#	#	#	#	#	#	#	#
FROM IQ-1																		
TOTAL	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

(N) – NOT A SEPARATE BID ITEM

IRRIGATION FACILITY MARKER

SHEET No.	IRRIGATION FACILITY MARKER
	EA
IP-2	2
IP-6	1
IP-8	1
IP-9	2
IP-10	2
IP-12	1
IP-14	2
IP-16	1
IP-20	2
IP-22	1
IP-23	1
TOTAL	16

REVISED BY | DATE REVISED

CALCULATED–DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

IRRIGATION QUANTITIES

IQ-2

LAST REVISION 00-00-00
DATE PLOTTED => 28-Aug-24
TIME PLOTTED => 09:37

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BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083sr002.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	417	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LIQUEST Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

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SANTA CRUZ COUNTY
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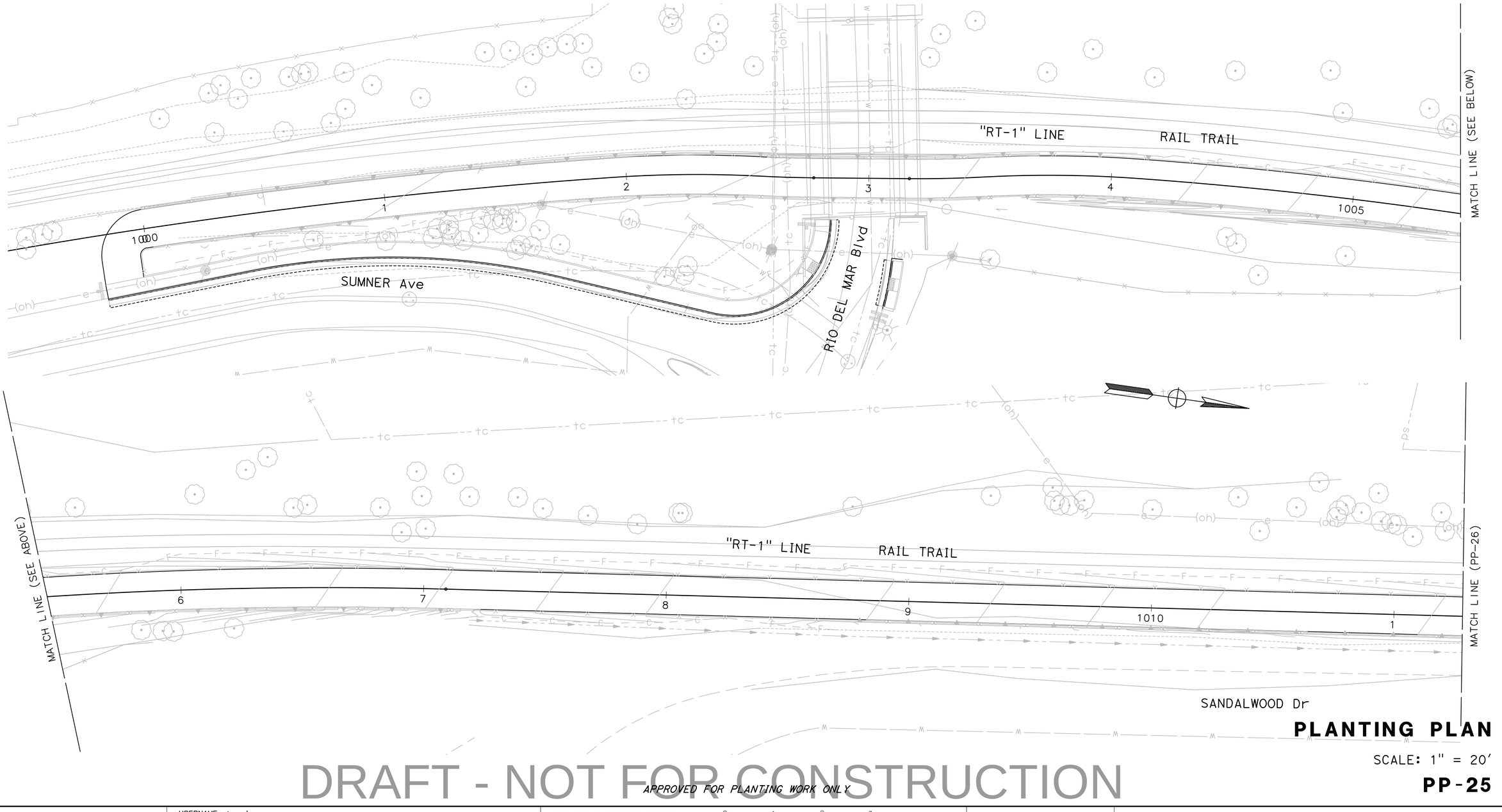
SANTA CRUZ, CA 95060



PLANTING PLAN

SCALE: 1" = 20'

PP-25

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR PLANTING WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 28-Aug-24
TIME PLOTTED => 10:11

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083su025.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	418	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LOBERST Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

PLANS APPROVAL DATE

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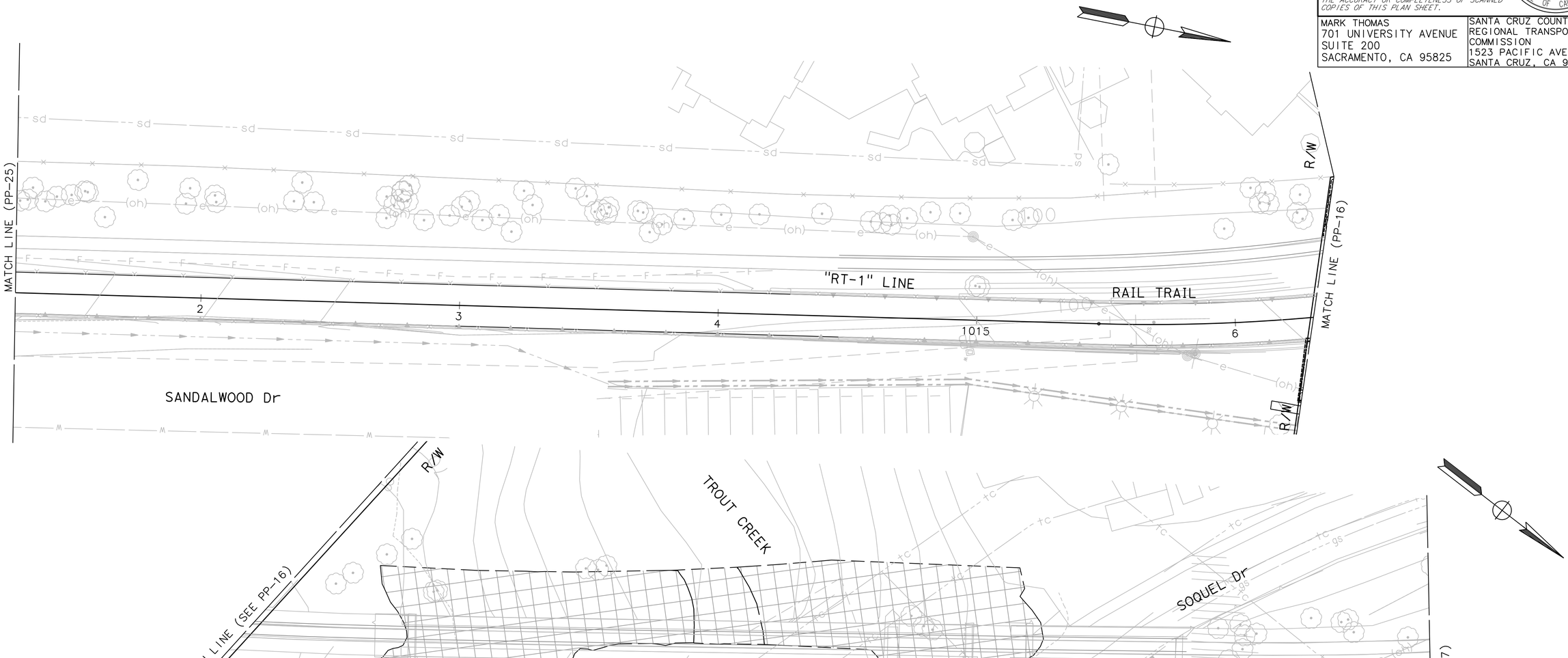
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



PLANTING PLAN

SCALE: 1" = 20'

PP-26

DRAFT - NOT FOR CONSTRUCTION

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CALCULATED-DESIGNED BY: MICHAEL SIU
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CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

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Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 28-Aug-24
TIME PLOTTED => 10:12

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083su026.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	419	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT CHRISTINE ANDERSON LOCKETT Signature 02-28-2025 Renewal Date Date STATE OF CALIFORNIA

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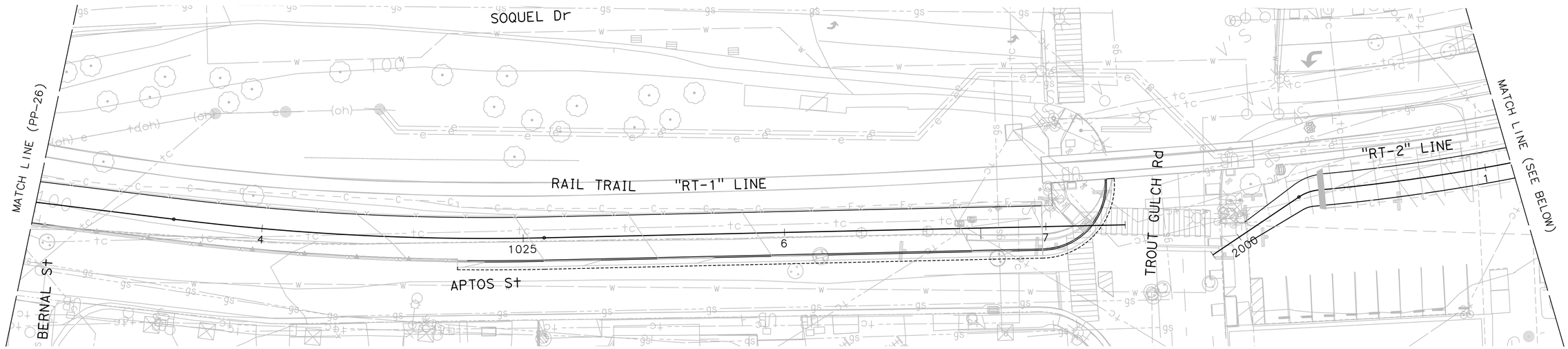
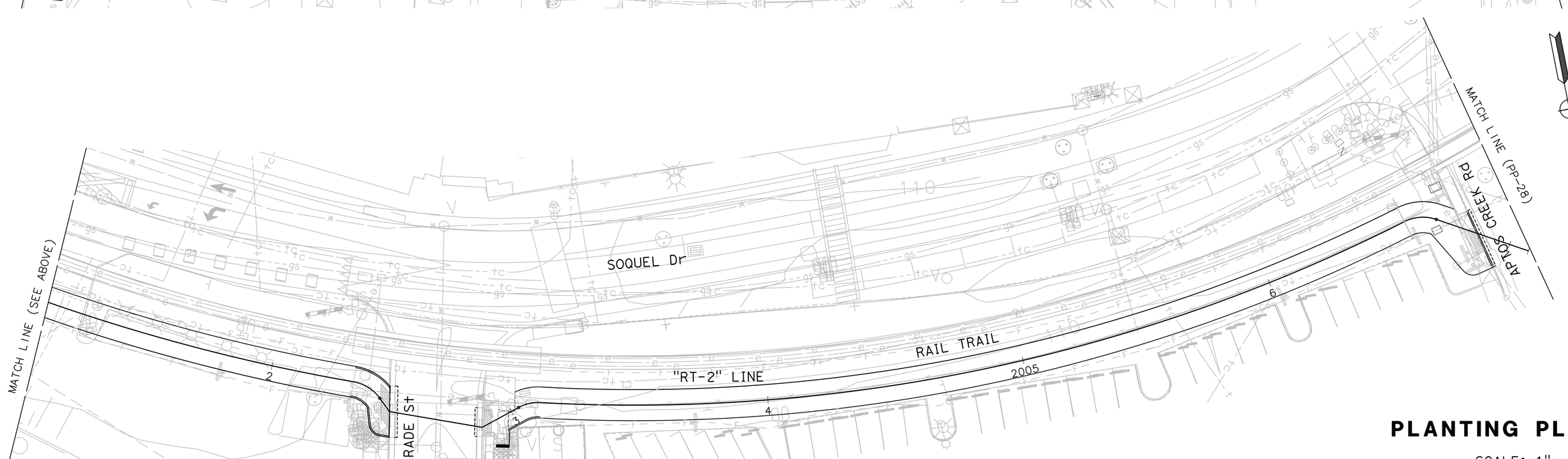
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060





PLANTING PLAN

SCALE: 1" = 20'

PP-27

DRAFT - NOT FOR CONSTRUCTION

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED => 28-Aug-24
00-00-00 TIME PLOTTED => 10:13

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083su027.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	420	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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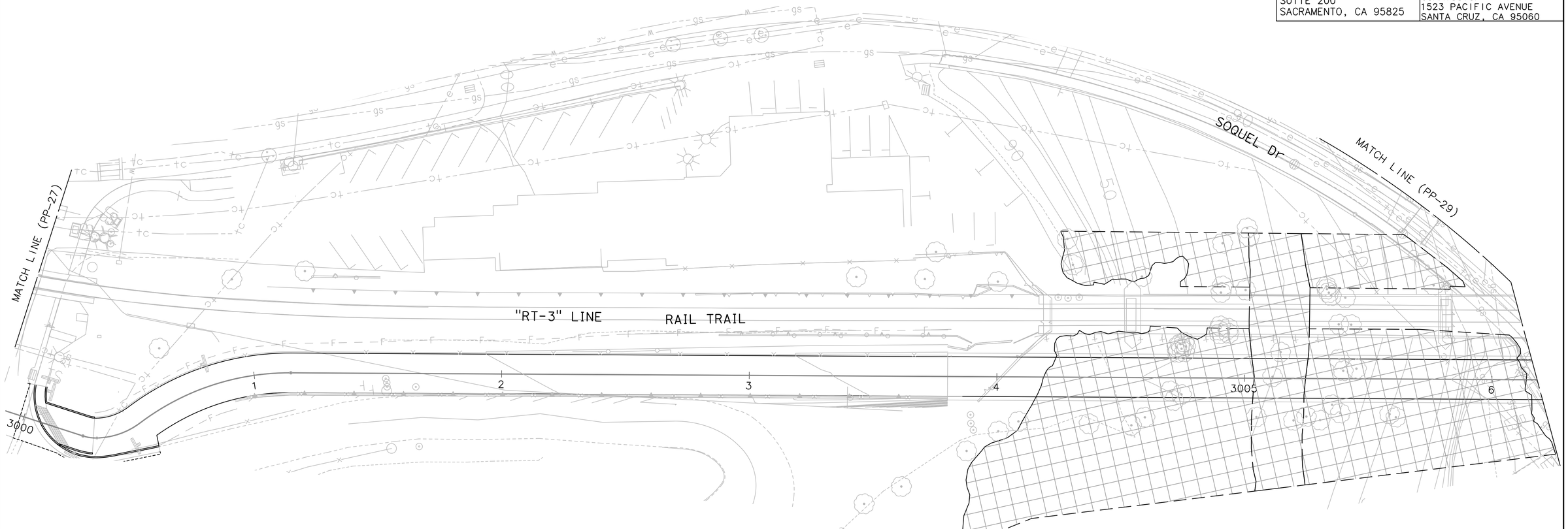
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



PLANTING PLAN

SCALE: 1" = 20'

PP-28

DRAFT - NOT FOR CONSTRUCTION

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CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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USERNAME => msiu
DGN FILE => 0520000083su028.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	421	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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SANTA CRUZ COUNTY
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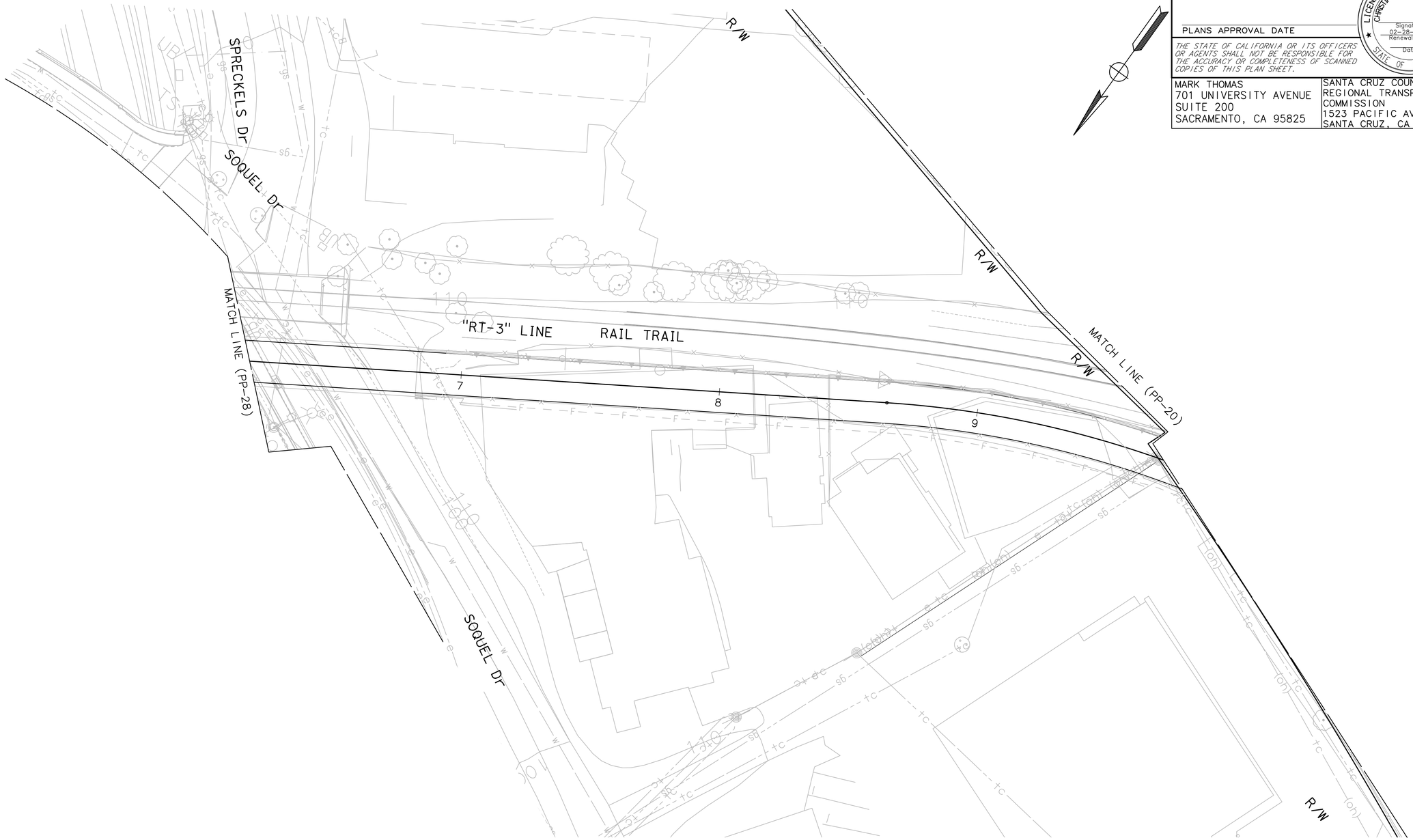
SANTA CRUZ, CA 95060



PLANTING PLAN

SCALE: 1" = 20'

PP-29

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Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY

CHECKED BY: MARLEY THOMPSON

REVISED BY: MICHAEL SIU

DATE REVISED

LAST REVISION
DATE PLOTTED => 28-Aug-24
TIME PLOTTED => 10:14
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083su029.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	422	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LORDSTT
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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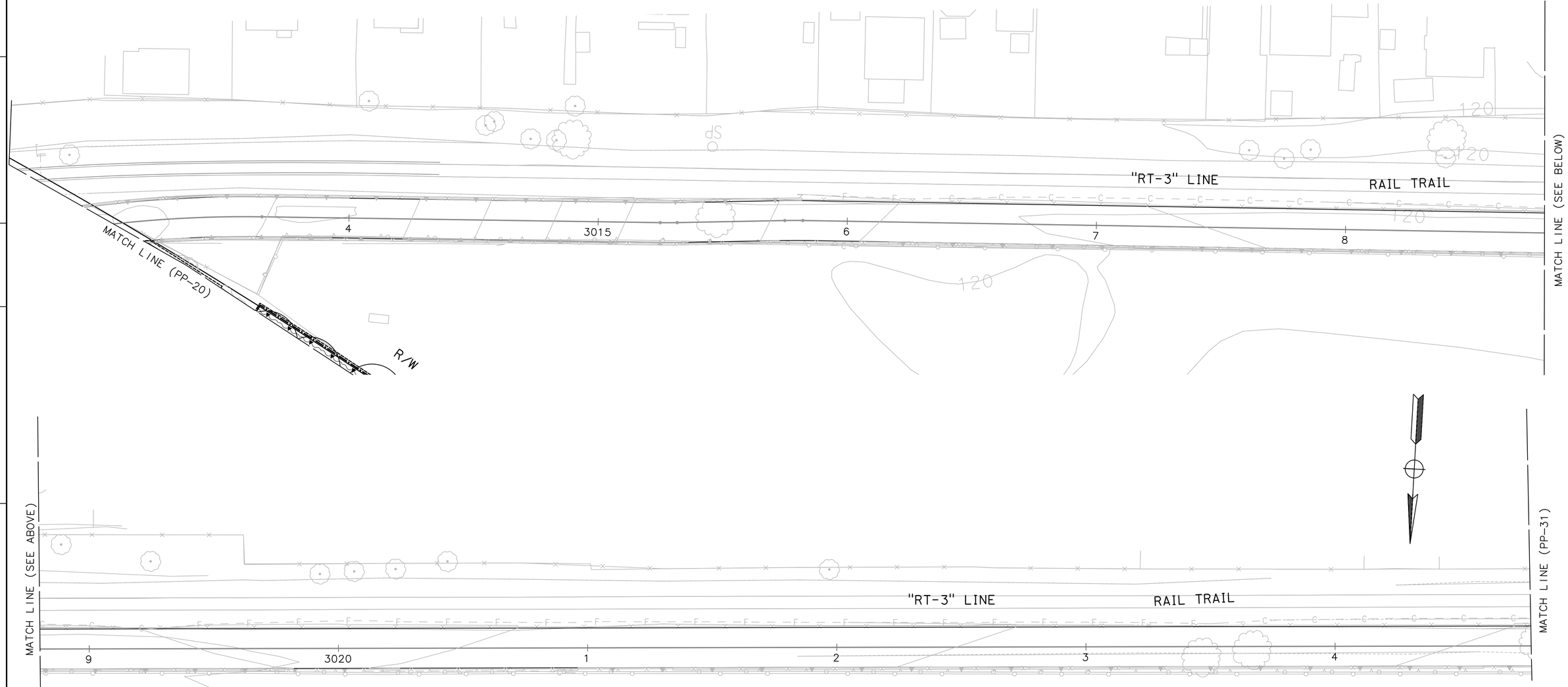
SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



PLANTING PLAN

SCALE: 1" = 20'

PP-30

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CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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00-00-00 TIME PLOTTED => 10:15

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083su030.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	423	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

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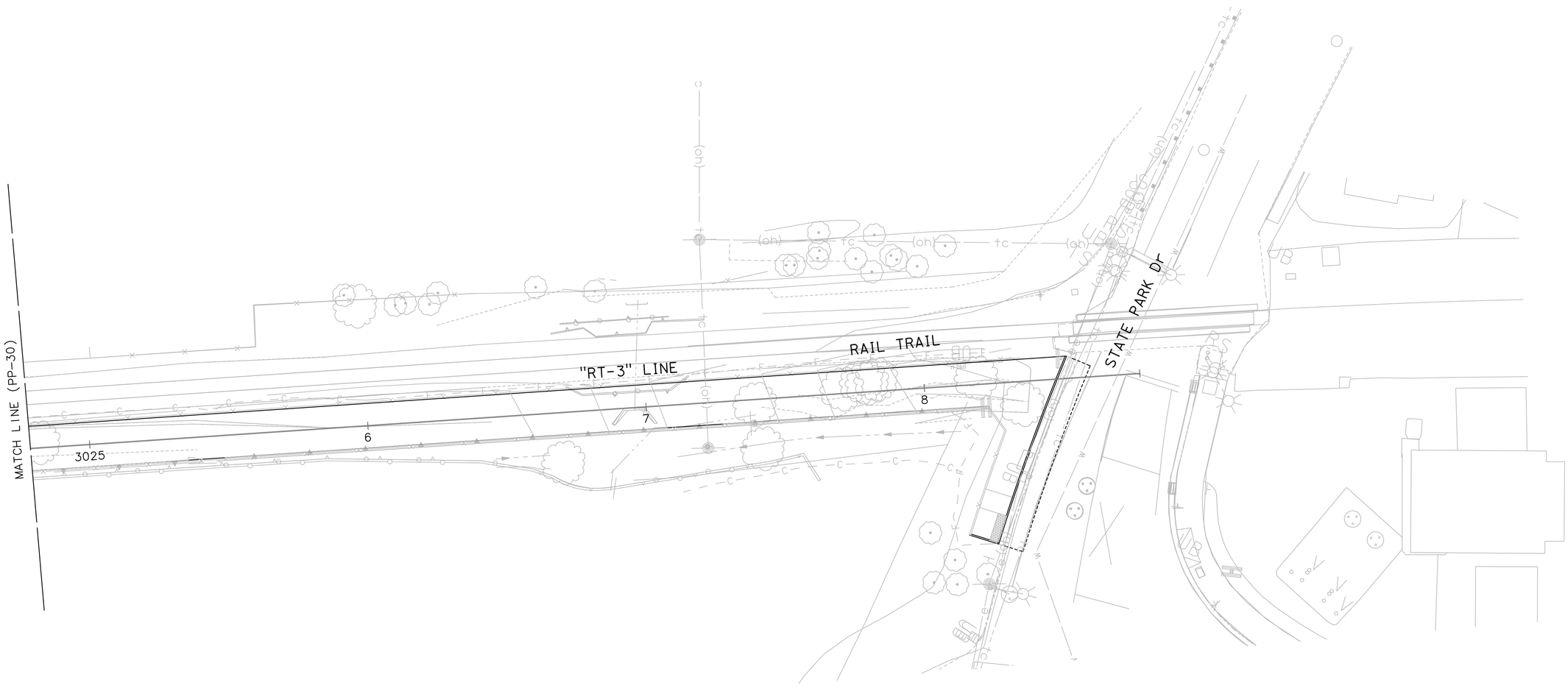
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



PLANTING PLAN

SCALE: 1" = 20'

PP-31

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APPROVED FOR PLANTING WORK ONLY

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 28-Aug-24
00-00-00 | TIME PLOTTED => 10:16

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083su031.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	437	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LA6937
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-11

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR EROSION CONTROL WORK ONLY

CALCULATED-DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 28-Aug-24 | TIME PLOTTED => 10:52 | 00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083te011.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	438	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBERST
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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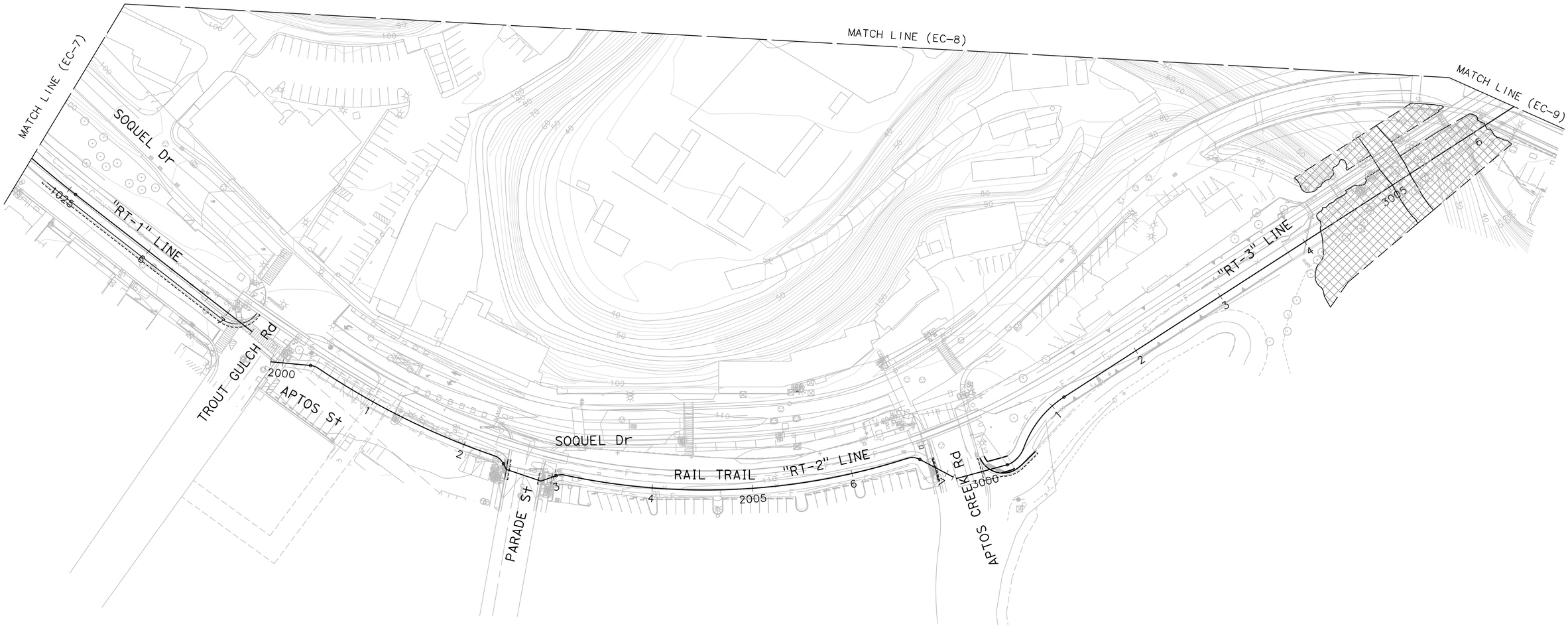
SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-12

DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR EROSION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

DATE REVISED	REVISED BY

LAST REVISION | DATE PLOTTED => 28-Aug-24 | 00-00-00 | TIME PLOTTED => 10:53

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083te012.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	439	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LOBOSTT
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-13

DRAFT - NOT FOR CONSTRUCTION

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED–DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 28-Aug-24 | 00-00-00 | TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083te013.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	440	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

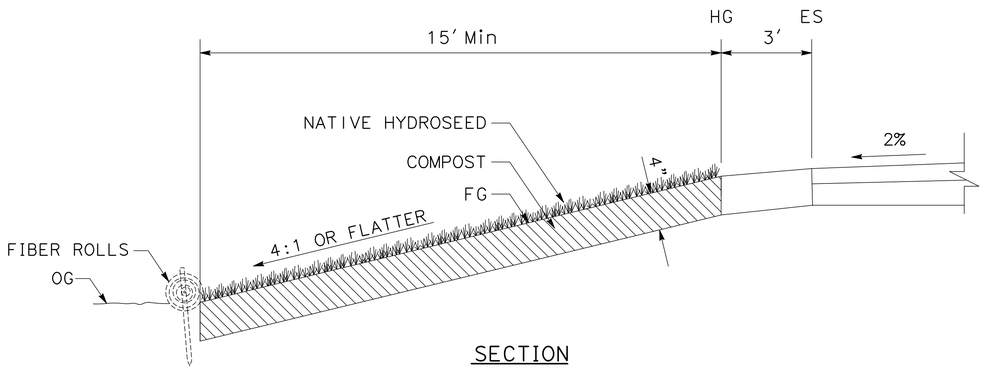
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — CHRISTINE ANDERSON LIC#5577 — Signature — 02-28-2025 Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

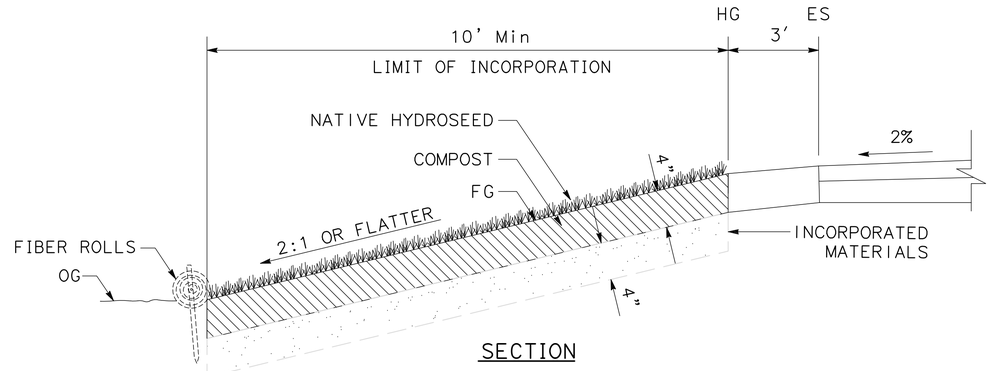
MARK THOMAS
701 UNIVERSITY AVENUE
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060



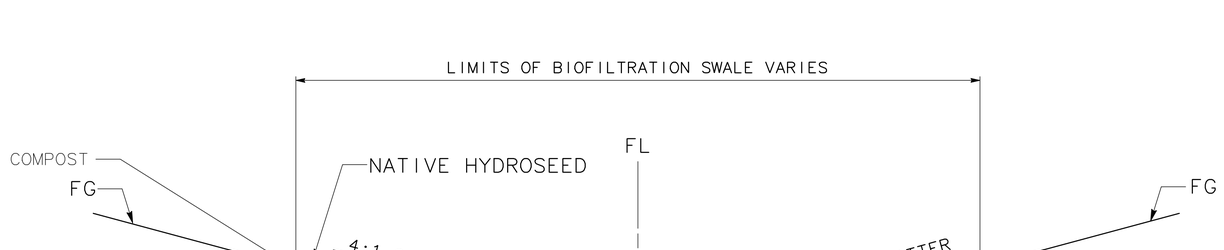
SECTION

EROSION CONTROL (TYPE 2) BIOSTRIP



SECTION

EROSION CONTROL (TYPE 3) DESIGN POLLUTION PREVENTION INFILTRATION AREA



EROSION CONTROL (TYPE 4) BIOFILTRATION SWALE

EROSION CONTROL DETAILS

ECD-1

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans®

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

CALCULATED-DESIGNED BY: MICHAEL SIU

CHECKED BY: MARLEY THOMPSON

REVISED BY	DATE REVISED

LAST REVISION 00-00-00 — DATE PLOTTED => 28-Aug-24 — TIME PLOTTED => 10:54

BORDER LAST REVISED 7/2/2010

USERNAME => msiu
DGN FILE => 0520000083tf001.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	441	932

95% SUBMITTAL

LICENSED LANDSCAPE ARCHITECT DATE

LICENSED LANDSCAPE ARCHITECT
CHRISTINE ANDERSON LA#5577
Signature
02-28-2025
Renewal Date
Date
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK THOMAS
701 UNIVERSITY AVENUE
SUITE 200
SACRAMENTO, CA 95825

SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION
COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

EROSION CONTROL QUANTITIES

SHEET NUMBER	DESCRIPTION	COMPOST	INCORPORATE MATERIAL	HYDROSEED	IMPORTED BIOFILTRATION SOIL MEDIA (BSM)	FIBER ROLLS	HYDROSEED MATERIALS (N)			
							SEED MIX	FIBER	FERTILIZER	TACKIFIER
		CY	SQFT	SQFT	CY	LF	LB	LB	LB	LB
EC-1	EC TYPE1									
	EC TYPE 2									
	FIBER ROLLS									
EC-2	EC TYPE 1									
	EC TYPE 3	19	1,515	1,515			1.11	69.56	27.82	6.96
	FIBER ROLLS					101				
EC-3	EC TYPE 2	61		5,017			3.69	230.35		17.28
	EC TYPE 3	175	14,343	14,343			10.54	658.54	263.42	65.85
	FIBER ROLLS					1,358				
EC-4	EC TYPE 1	54	4,459	4,459			3.28	204.73		20.47
	EC TYPE 2									
	FIBER ROLLS									
EC-5	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
EC-6	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
EC-7	EC TYPE 3	20	1,630	1,630			1.20	74.84	29.94	7.48
	EC TYPE 4	92		7,530	418		5.53	345.73	138.29	25.93
	FIBER ROLLS					163				
EC-8	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
EC-9	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
EC-10	EC TYPE 1									
	EC TYPE 2	53		4,302			3.16	197.52	79.01	19.75
	FIBER ROLLS					300				
EC-11	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
EC-12	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
EC-13	EC TYPE 1									
	EC TYPE 2									
	FIBER ROLLS									
TOTAL		474	21,947	38,796	418	1,922				

(N)– NOT A SEPARATE BID ITEM

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EROSION CONTROL QUANTITIES

ECQ-1

REVISED BY | DATE REVISED

CALCULATED–DESIGNED BY: MICHAEL SIU
CHECKED BY: MARLEY THOMPSON

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTINE ANDERSON

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

LAST REVISION: DATE PLOTTED =>28-Aug-24 TIME PLOTTED =>10:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	485	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND (THIS SHEET ONLY):

1 Exist 120/240 V, 1Ø, 3–WIRE TYPE III–BF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

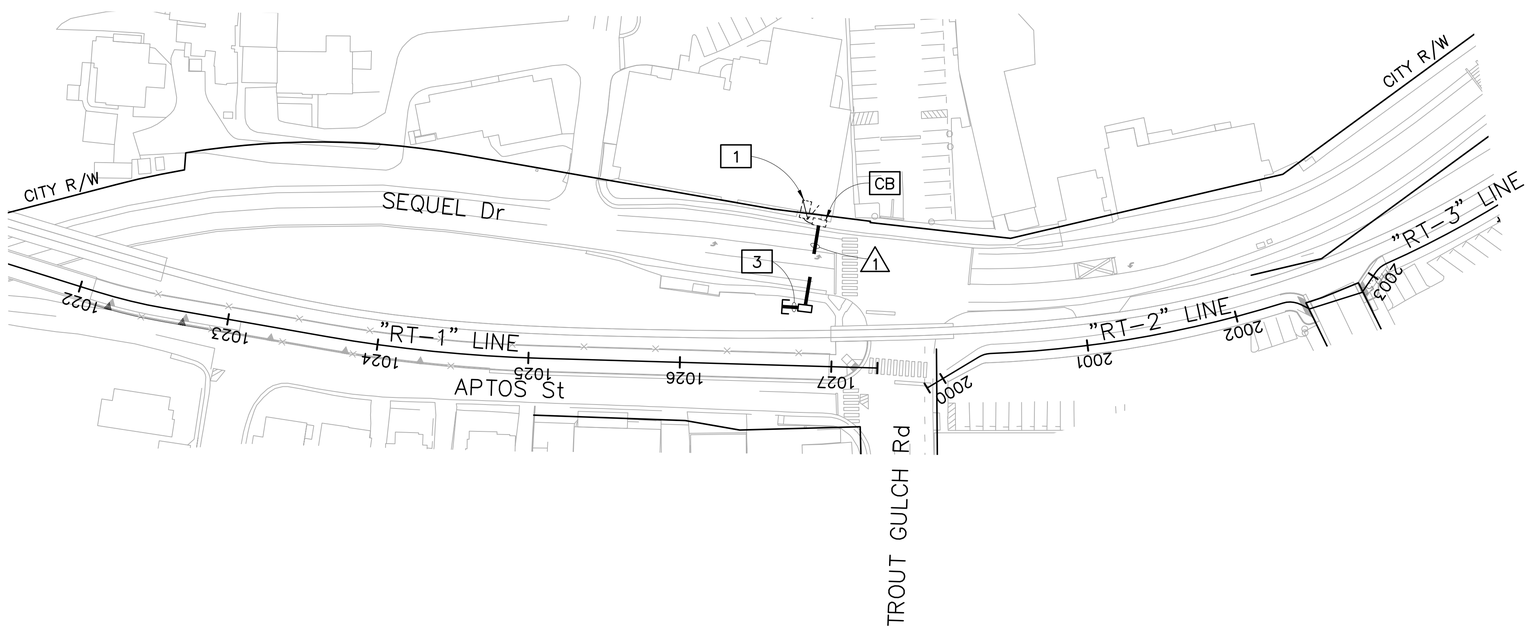
AMPERES	VOLTS	POLES	NAMEPLATE	METER	PHOTOELECTRIC CONTROL TYPE	SPECIAL REQUIREMENTS
100	240	2	SERVICE DISCONNECT	YES	–	
30	240	2	LIGHTING	YES	V	
15	120	1	LIGHTING CONTROL	YES	–	
50	120	1	SIGNAL	YES	–	
15	120	1	FLASHING BEACON	YES	–	
20	120	1	TELEPHONE DEMARCATION CABINET	YES	–	
15	120	1	IRRIGATION	YES	–	2

2 INSTALL NEW 15A, 1P, 120 V CB FOR FUTURE Irr. ADD NAMEPLATE "IRRIGATION".

3 INSTALL 2" CONDUIT STUB OUT. CAP CONDUIT ENDS FOR FUTURE IRRIGATION CONTROLLER.

CONDUIT RUN NUMBER (THIS SHEET ONLY):

1 2"C, PT (FUTURE Irr).



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APPROVED FOR ELECTRICAL WORK ONLY

ELECTRICAL SERVICE FOR IRRIGATION (COUNTY)

SCALE: 1" = 50'

E-44

REVISED BY	DATE REVISED
BRANDON VERGARA	MENG YANG
CALCULATED–DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	DAN K. YAU
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION	Caltrans

LAST REVISION DATE PLOTTED => 9/3/2024
08–23–24 TIME PLOTTED => 1:59 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => 0500000001ua042–044 IRR.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	486	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND (THIS SHEET ONLY):

1 INSTALL 120/240 V, 1Ø, 3–WIRE TYPE III–AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

AMPERES	VOLTS	POLES	NAMEPLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	SERVICE DISCONNECT	YES	–
15	120	1	LIGHTING CONTROL	YES	–
30	120	1	LIGHTING Ckt 1	YES	V
30	120	1	LIGHTING Ckt 2	YES	V
30	120	1	LIGHTING Ckt 3	YES	V
30	120	1	LIGHTING Ckt 4	YES	V
30	120	1	LIGHTING Ckt 5	YES	V
30	120	1	LIGHTING Ckt 6	YES	V
30	120	1	LIGHTING Ckt 7	YES	V
30	120	1	LIGHTING Ckt 8	YES	V
15	120	1	IRRIGATION	YES	–
15	120	1	SPARE	–	–
–	–	2	SPACE	–	–

FRONT DOOR MUST FACE EAST. USE SAME TYPE V PEU FOR ALL LIGHTING CIRCUITS.

2 INSTALL PG&E SECONDARY PULL BOX PER PG&E REQUIREMENT.

3 COORDINATE WITH PG&E FOR SERVICE CONNECTION.

4 INSTALL JUNCTION BOX ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

5 INSTALL LUMINAIRE ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

6 INSTALL 2" CONDUIT STUB OUT. CAP CONDUIT ENDS FOR FUTURE IRRIGATION CONTROLLER.

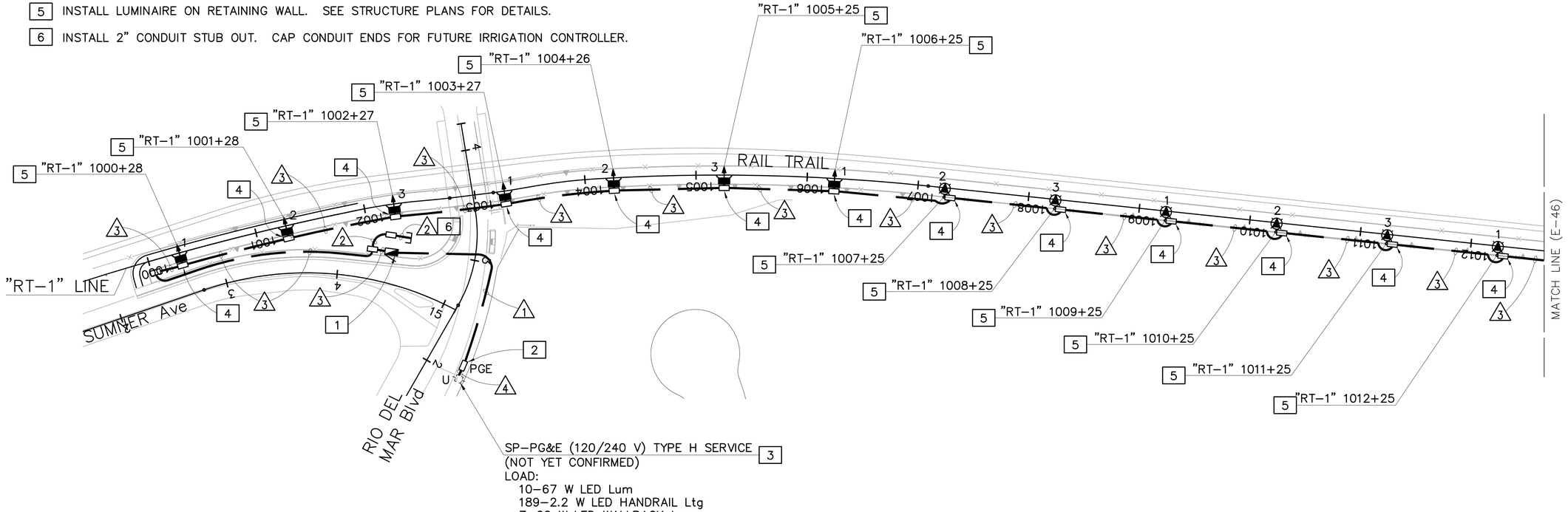
CONDUIT RUN NUMBER (THIS SHEET ONLY):

1 2"C, 3#2 (SERVICE).

2 2"C, PT (FUTURE Irr).

3 2½"C, 5#6 (120 V Ltg Ckt 1, 2 & 3), 6#4 (120 V Ltg Ckt 4, 5, 6 & 7).

4 3"C, PT.



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APPROVED FOR ELECTRICAL WORK ONLY

TRAIL LIGHTING (COUNTY)

SCALE: 1" = 50' **E-45**

REVISED BY | DATE REVISED
BRANDON VERGARA | MENG YANG
CALCULATED–DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: DAN K. YAU
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

LAST REVISION 08–23–24 | DATE PLOTTED => 9/3/2024 TIME PLOTTED => 10:31 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => 0500000001ua045–051 Trail LTG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	487	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

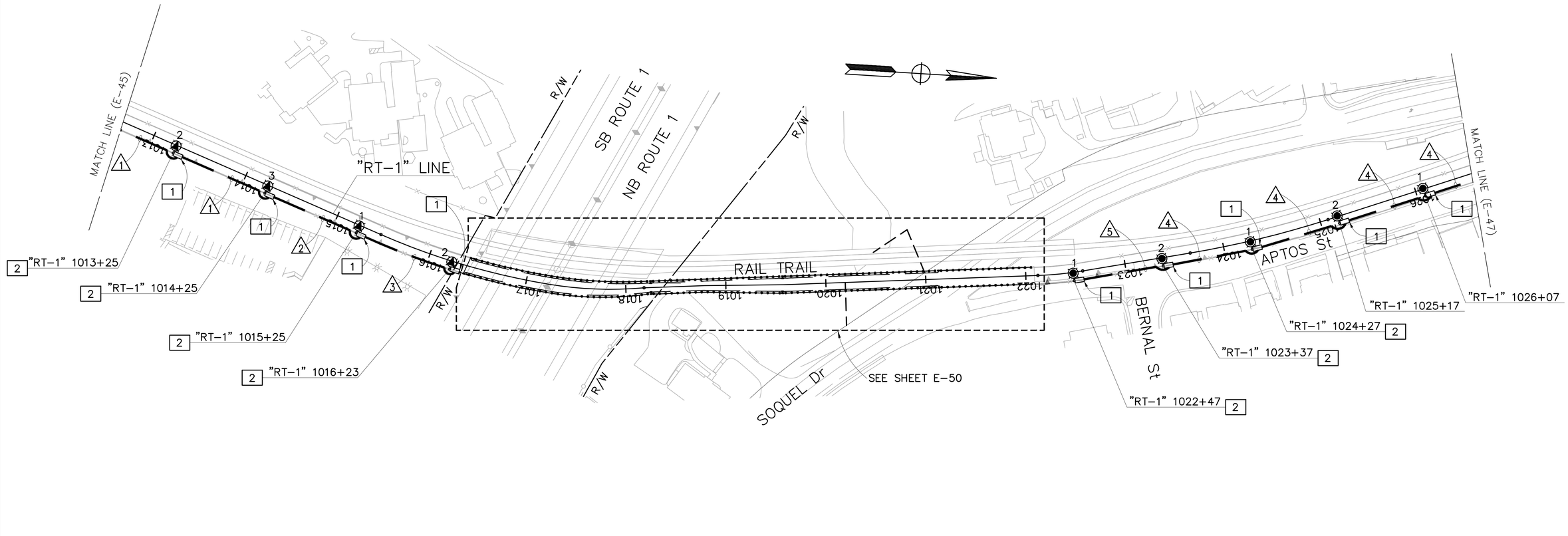
LEGEND (THIS SHEET ONLY):

1 INSTALL JUNCTION BOX ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

2 INSTALL LUMINAIRE ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

CONDUIT RUN NUMBER (THIS SHEET ONLY):

1. 2½"C, 5#6 (120 V Ltg Ckt 1, 2 & 3), 6#4 (120 V Ltg Ckt 4, 5, 6 & 7).
2. 2½"C, 3#6 (120 V Ltg Ckt 1 & 2), 6#4 (120 V Ltg Ckt 4, 5, 6 & 7).
3. 2½"C, 2#6 (120 V Ltg Ckt 2), 6#4 (120 V Ltg Ckt 4, 5, 6 & 7).
4. 2"C, 3#8 (120 V Ltg Ckt 1 & 2).
5. 2"C, 2#8 (120 V Ltg Ckt 1).



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APPROVED FOR ELECTRICAL WORK ONLY

TRAIL LIGHTING (COUNTY)

SCALE: 1" = 50'

E-46

REVISED BY | DATE REVISED

BRANDON VERGARA | MENG YANG

CALCULATED–DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: DAN K. YAU

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION | DATE PLOTTED => 9/3/2024
08-23-24 | TIME PLOTTED => 10:07 AM

BORDER LAST REVISED 7/2/2010

USERNAME => MYANG
DGN FILE => 0500000001ua045-051 Trail LTG.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	488	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND (THIS SHEET ONLY):

[1] INSTALL 120/240 V, 1Ø, 3-WIRE TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

AMPERES	VOLTS	POLES	NAMEPLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	SERVICE DISCONNECT	YES	–
15	120	1	LIGHTING CONTROL	YES	–
30	120	1	LIGHTING Ckt 1	YES	V
30	120	1	LIGHTING Ckt 2	YES	V
30	120	1	LIGHTING Ckt 3	YES	V
30	120	1	LIGHTING Ckt 4	YES	V
15	120	1	SPARE	YES	–
–	–	2	SPACE	–	–

FRONT DOOR MUST FACE EAST. USE SAME TYPE V PEU FOR ALL LIGHTING CIRCUITS.

CONDUIT RUN NUMBER (THIS SHEET ONLY):

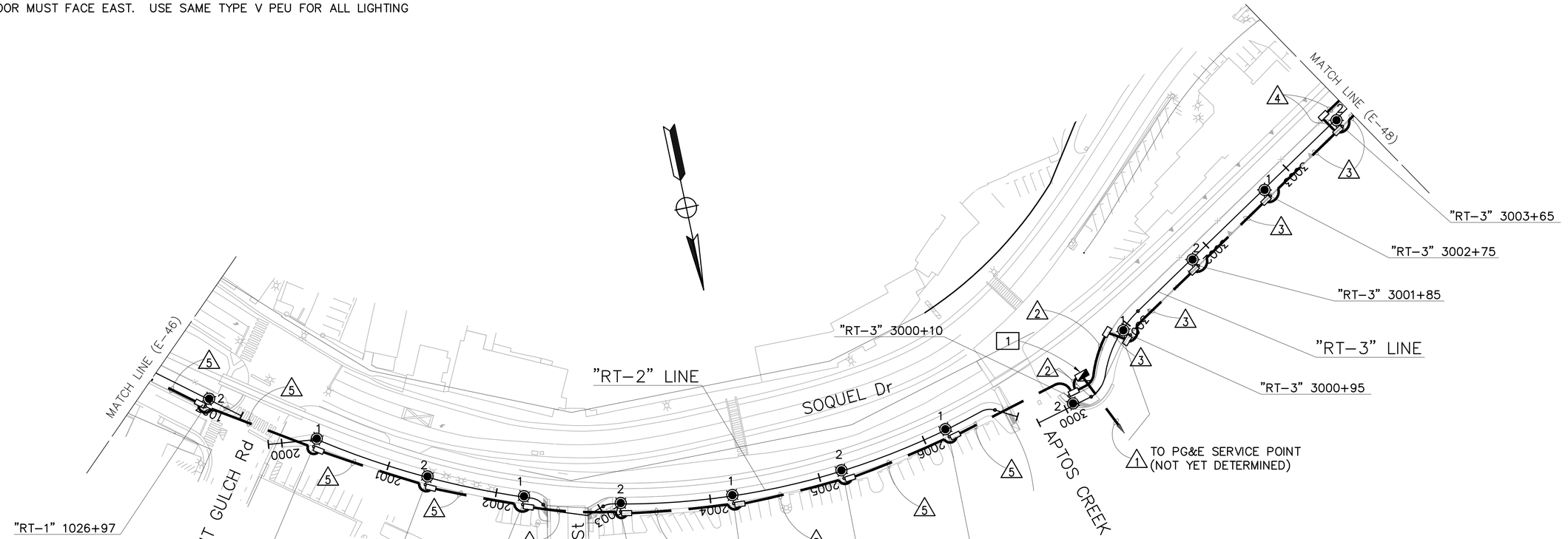
△1 2"C, 3#2 (SERVICE).

△2 2"C, 3#8 (120 V Ltg Ckt 1 & 2), 3#6 (120 V Ltg Ckt 3 & 4).

△3 2"C, 3#8 (120 V Ltg Ckt 1 & 2), 2#6 (120 V Ltg Ckt 3).

△4 2"C, 2#6 (120 V Ltg Ckt 4).

△5 2"C, 3#8 (120 V Ltg Ckt 1 & 2).



DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR ELECTRICAL WORK ONLY

TRAIL LIGHTING (COUNTY)

SCALE: 1" = 50'

E-47

REVISED BY	DATE REVISED
BRANDON VERGARA	MENG YANG
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	DAN K. YAU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 08-23-24 | DATE PLOTTED => 9/3/2024 TIME PLOTTED => 10:34 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG DGN FILE => 0500000001ua045-051 Trail LTG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	489	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND (THIS SHEET ONLY):

[1] INSTALL LUMINAIRE ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

CONDUIT RUN NUMBER (THIS SHEET ONLY):

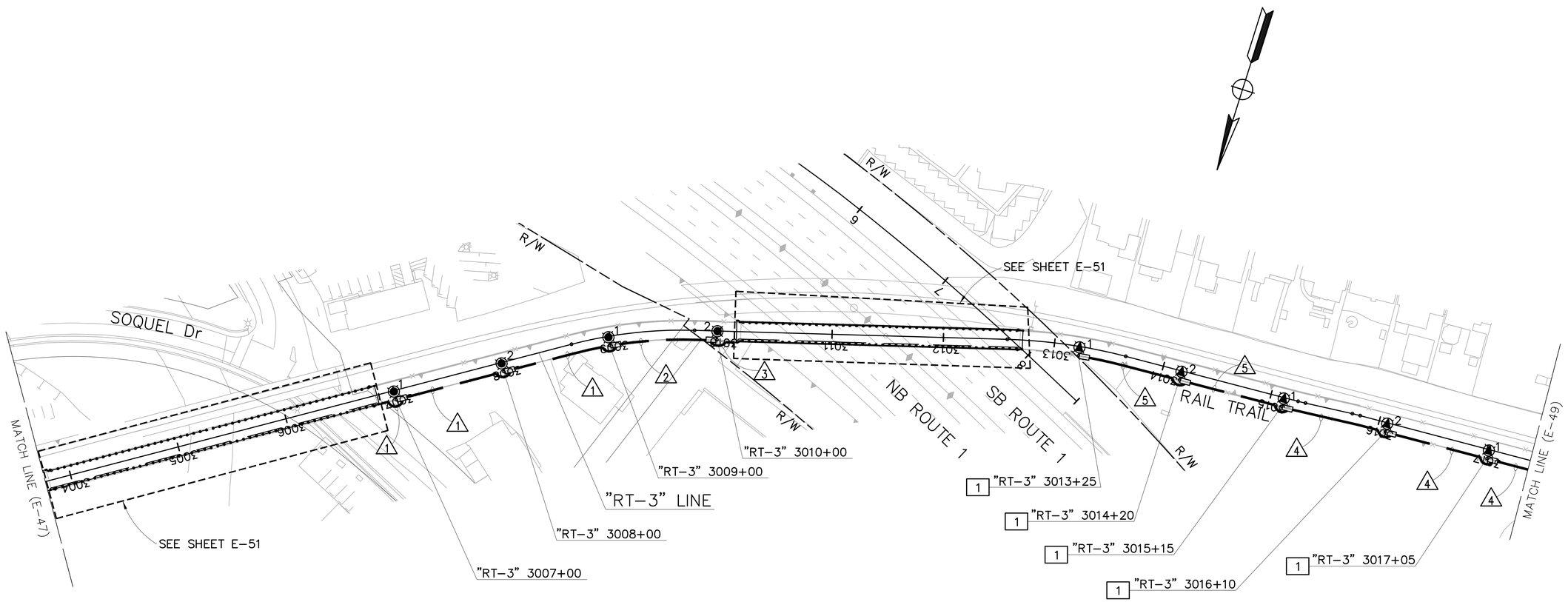
△1 2"C, 3#8 (120 V Ltg Ckt 1 & 2), 3#6 (120 V Ltg Ckt 3 & 4).

△2 2"C, 2#8 (120 V Ltg Ckt 2), 3#6 (120 V Ltg Ckt 3 & 4).

△3 2"C, 3#6 (120 V Ltg Ckt 3 & 4).

△4 2"C, 3#6 (120 V Ltg Ckt 1 & 2).

△5 2"C, 2#6 (120 V Ltg Ckt 1).



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APPROVED FOR ELECTRICAL WORK ONLY

TRAIL LIGHTING (COUNTY)

SCALE: 1" = 50'

E-48

CALCULATED–DESIGNED BY

CHECKED BY

BRANDON VERGARA

MENG YANG

CONSULTANT FUNCTIONAL SUPERVISOR

DAN K. YAU

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

REVISED BY	DATE REVISED

LAST REVISION
DATE PLOTTED => 9/3/2024
TIME PLOTTED => 10:43 AM
08-23-24

BORDER LAST REVISED 7/2/2010

USERNAME => MYANG
DGN FILE => 0500000001ua045-051 Trail LTG.dwg

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	490	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND (THIS SHEET ONLY):

1 INSTALL 120/240 V, 1Ø, 3-WIRE TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

AMPERES	VOLTS	POLES	NAMEPLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	SERVICE DISCONNECT	YES	–
15	120	1	LIGHTING CONTROL	YES	–
30	120	1	LIGHTING Ckt 1	YES	V
30	120	1	LIGHTING Ckt 2	YES	V
15	120	1	IRRIGATION	YES	–
15	120	1	SPARE	YES	–
–	–	2	SPACE	–	–

FRONT DOOR MUST FACE EAST. USE SAME TYPE V PEU FOR ALL LIGHTING CIRCUITS.

2 COORDINATE WITH PG&E FOR SERVICE CONNECTION.

3 INSTALL 2" CONDUIT STUB OUT. CAP CONDUIT ENDS FOR FUTURE IRRIGATION CONTROLLER.

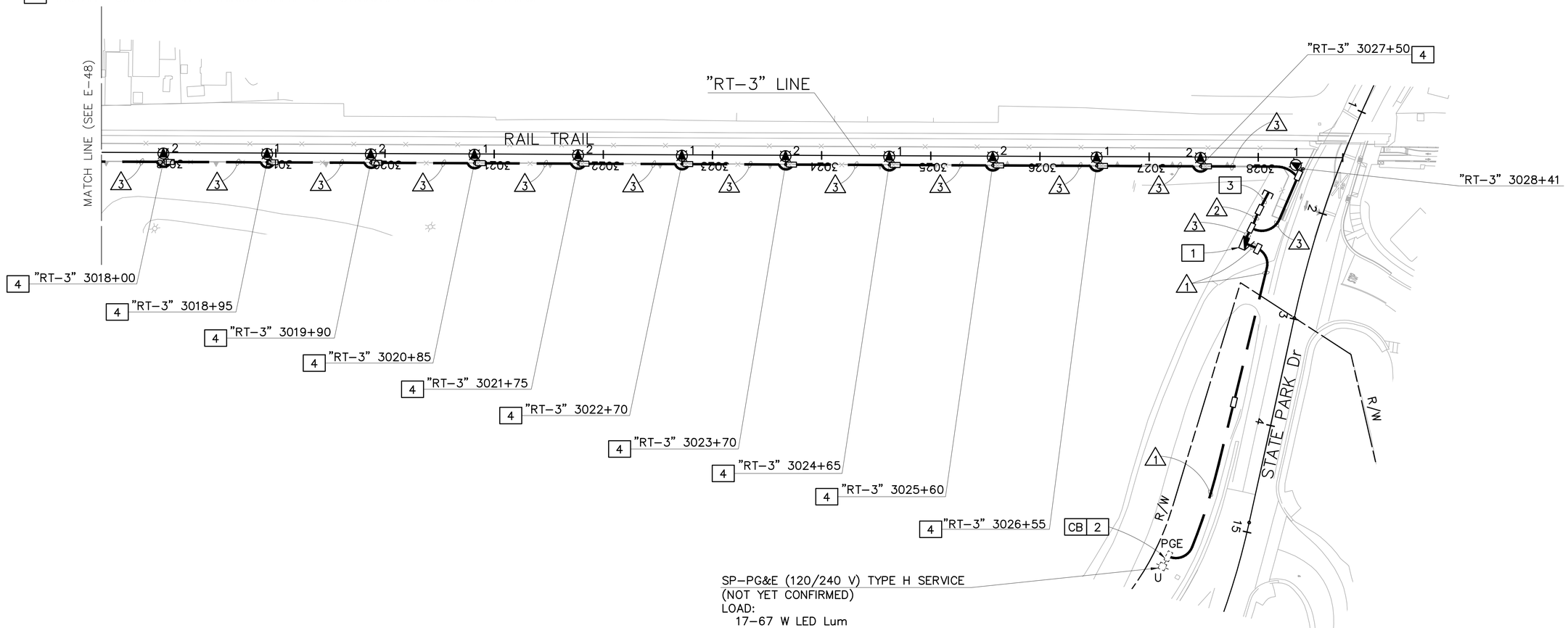
4 INSTALL LUMINAIRE ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

CONDUIT RUN NUMBER (THIS SHEET ONLY):

1 2"C, 3#2 (SERVICE).

2 2"C, PT (FUTURE Irr).

3 2"C, 3#6 (120 V Ltg Ckt 1 & 2).



DRAFT - NOT FOR CONSTRUCTION

APPROVED FOR ELECTRICAL WORK ONLY

TRAIL LIGHTING (COUNTY)

SCALE: 1" = 50'

E-49

REVISED BY | DATE REVISED: BRANDON VERGARA | MENG YANG

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: DAN K. YAU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION: DATE PLOTTED => 9/3/2024 TIME PLOTTED => 10:41 AM
08-23-24

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => 0500000001ua045-051 Trail LTG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	491	932

REGISTERED CIVIL ENGINEER — DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/24 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

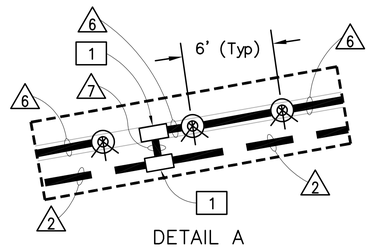
LEGEND (THIS SHEET ONLY):

1 INSTALL 4"x4"x18" NEMA JUNCTION BOX WITH 100 W HANDRAIL Ltg LED DRIVER. SEE STRUCTURE PLANS FOR DETAILS.

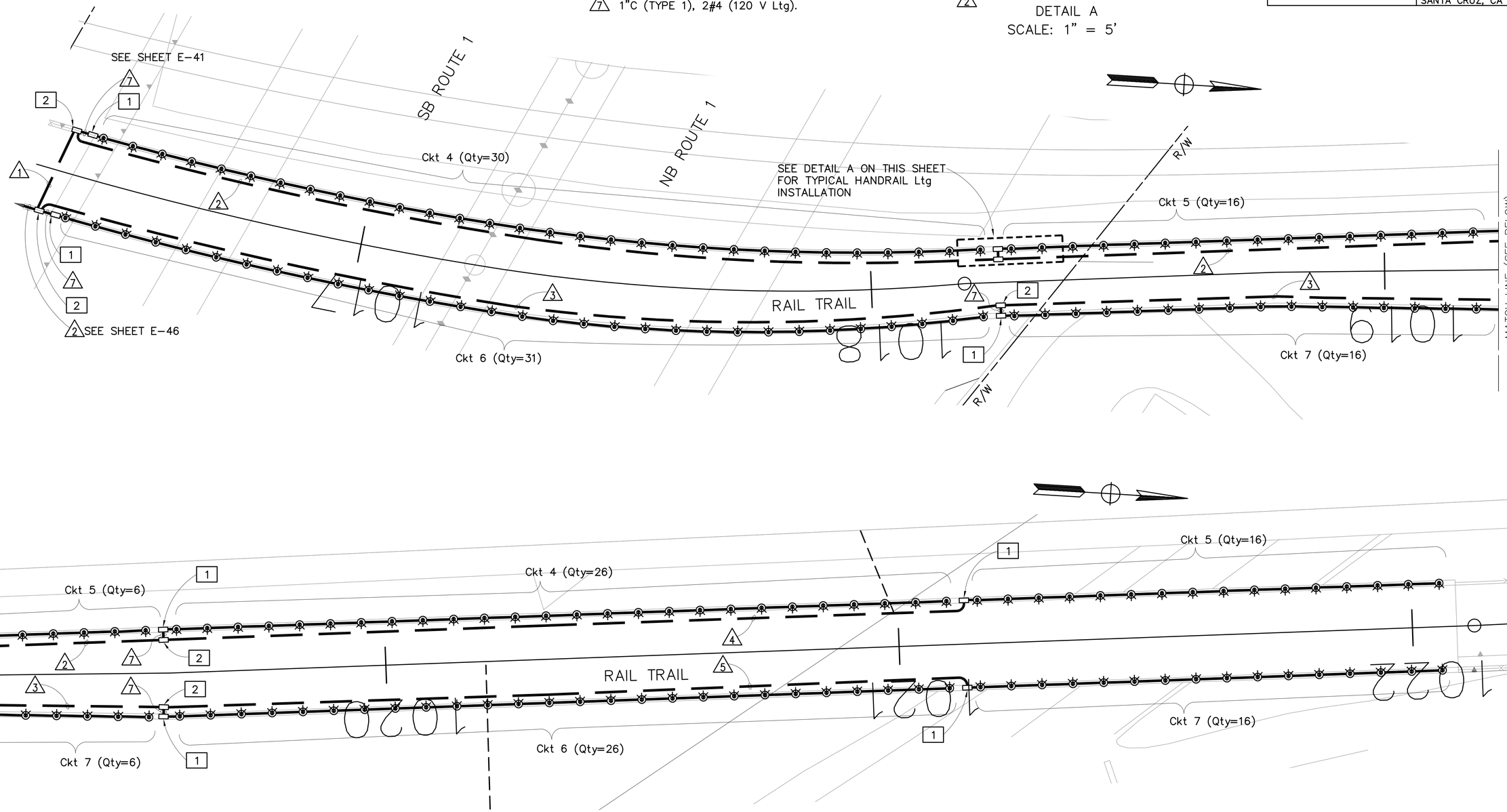
2 INSTALL JUNCTION BOX ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS.

CONDUIT RUN NUMBER (THIS SHEET ONLY):

1. 2"C, 6#4 (120 V Ltg Ckt 4, 5, 6 & 7).
2. 2"C, 3#4 (120 V Ltg Ckt 4 & 5).
3. 2"C, 3#4 (120 V Ltg Ckt 6 & 7).
4. 2"C, 2#4 (120 V Ltg Ckt 5).
5. 2"C, 2#4 (120 V Ltg Ckt 7).
6. 2#12 (120 V LED POD Lum) INSIDE RAILING.
7. 1"C (TYPE 1), 2#4 (120 V Ltg).



DETAIL A
SCALE: 1" = 5'



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TRAIL LIGHTING (COUNTY)

SCALE: 1" = 10'

E-50

REVISED BY | DATE REVISED
BRANDON VERGARA | MENG YANG
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: DAN K. YAU
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

LAST REVISION 08-23-24 | DATE PLOTTED => 9/3/2024 | TIME PLOTTED => 10:11 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => 0500000001ua045-051 Trail LTG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	492	932

REGISTERED CIVIL ENGINEER — DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/24 — CIVIL — STATE OF CALIFORNIA

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BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

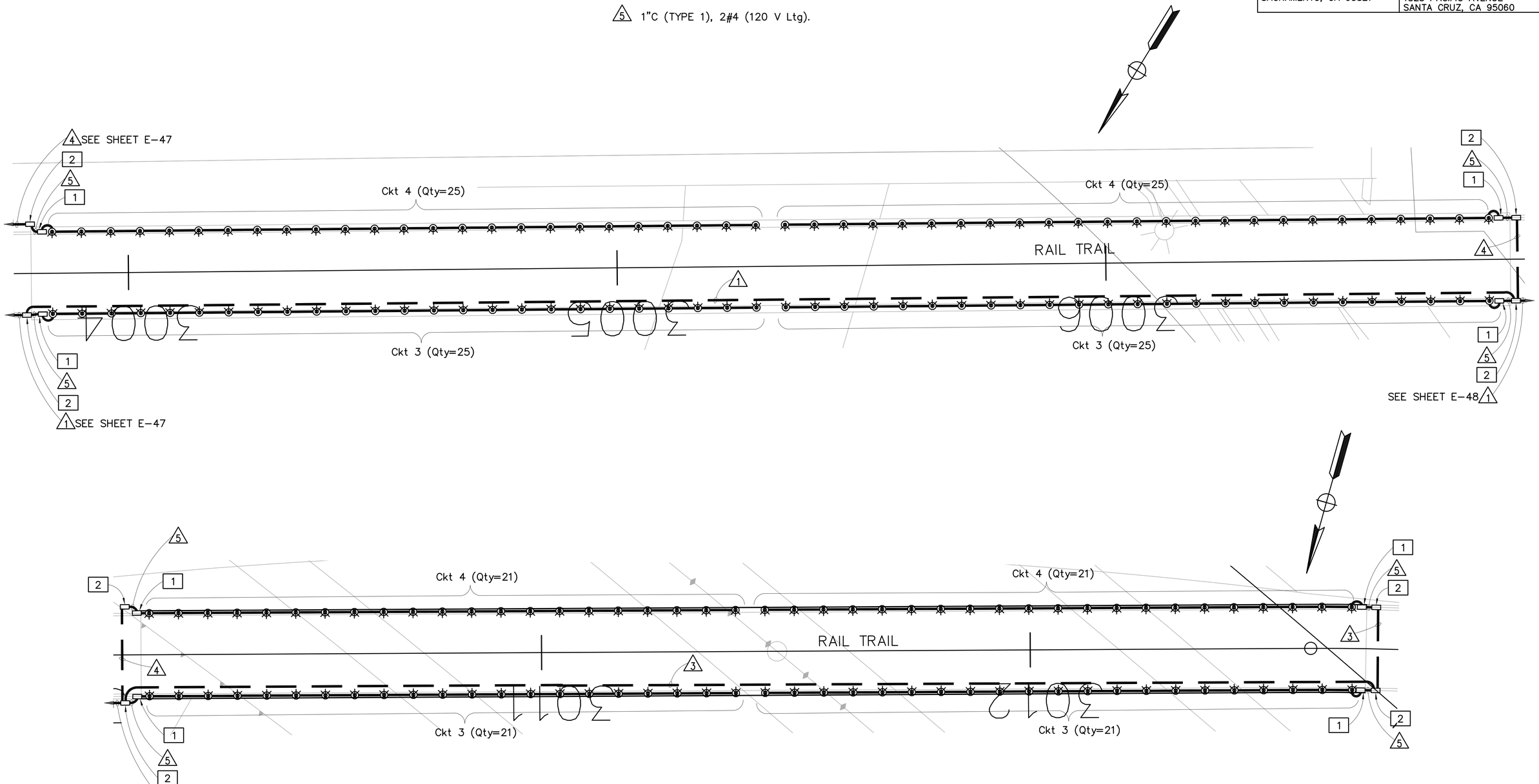
LEGEND (THIS SHEET ONLY):

1 INSTALL 4"x4"x18" NEMA JUNCTION BOX WITH 100 W HANDRAIL Ltg LED DRIVER. SEE STRUCTURE PLANS FOR DETAILS.

2 INSTALL JUNCTION BOX ON RETAINING WALL. SEE STRUCTURE PLANS FOR DETAILS

CONDUIT RUN NUMBER (THIS SHEET ONLY):

1. 2"C, 3#8 (120 V Ltg Ckt 1 & 2), 3#6 (120 V Ltg Ckt 3 & 4).
2. 2"C, 3#6 (120 V Ltg Ckt 3 & 4).
3. 2"C, 2#6 (120 V Ltg Ckt 3).
4. 2"C, 2#6 (120 V Ltg Ckt 4).
5. 1"C (TYPE 1), 2#4 (120 V Ltg).



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TRAIL LIGHTING (COUNTY)

SCALE: 1" =10'

E-51

REVISED BY | DATE REVISED

BRANDON VERGARA | MENG YANG

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: DAN K. YAU

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION | DATE PLOTTED => 9/3/2024
08-23-24 | TIME PLOTTED => 10:11 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => 0500000001ua045-051 Trail LTG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND (THIS SHEET ONLY):

[1] INSTALL TYPE 1–B Std (13') WITH RRFB SOLAR ENGINE, RRFB LIGHT BARS, APS, W11–1 AND W16–7P SIGNS. SEE DETAIL A ON THIS SHEET.

EQUIPMENT SCHEDULE

NO.	STANDARD TYPE	APS ARROW	APS QUADRANT	REMARKS
Ⓐ	1–B (13')	←	SOUTH	SEE DETAIL A ON THIS SHEET.
Ⓑ	1–B (13')	←	NORTH	SEE DETAIL A ON THIS SHEET.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	493	932

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/24 — CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE

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BENNETT ENGINEERING SERVICES
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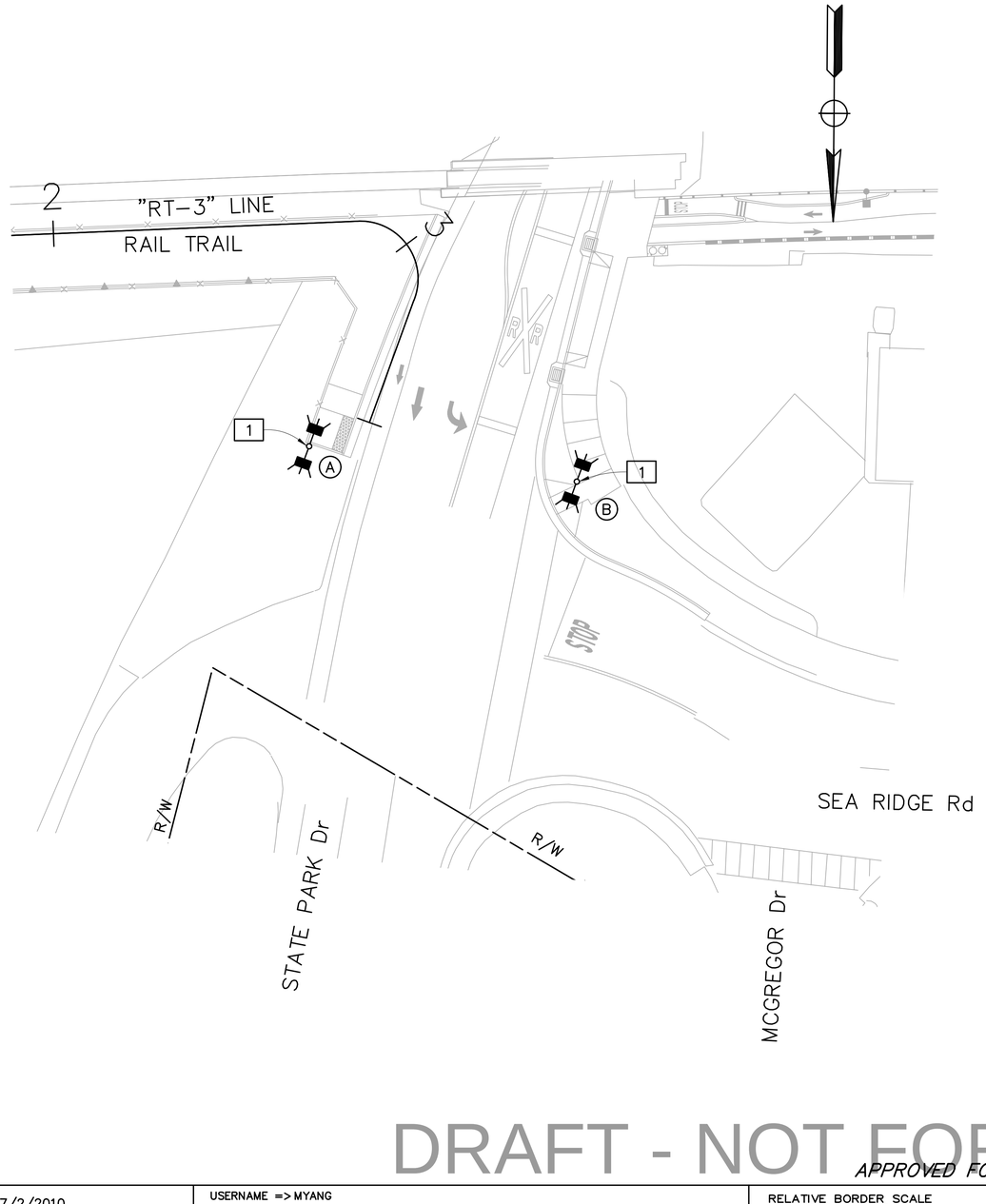
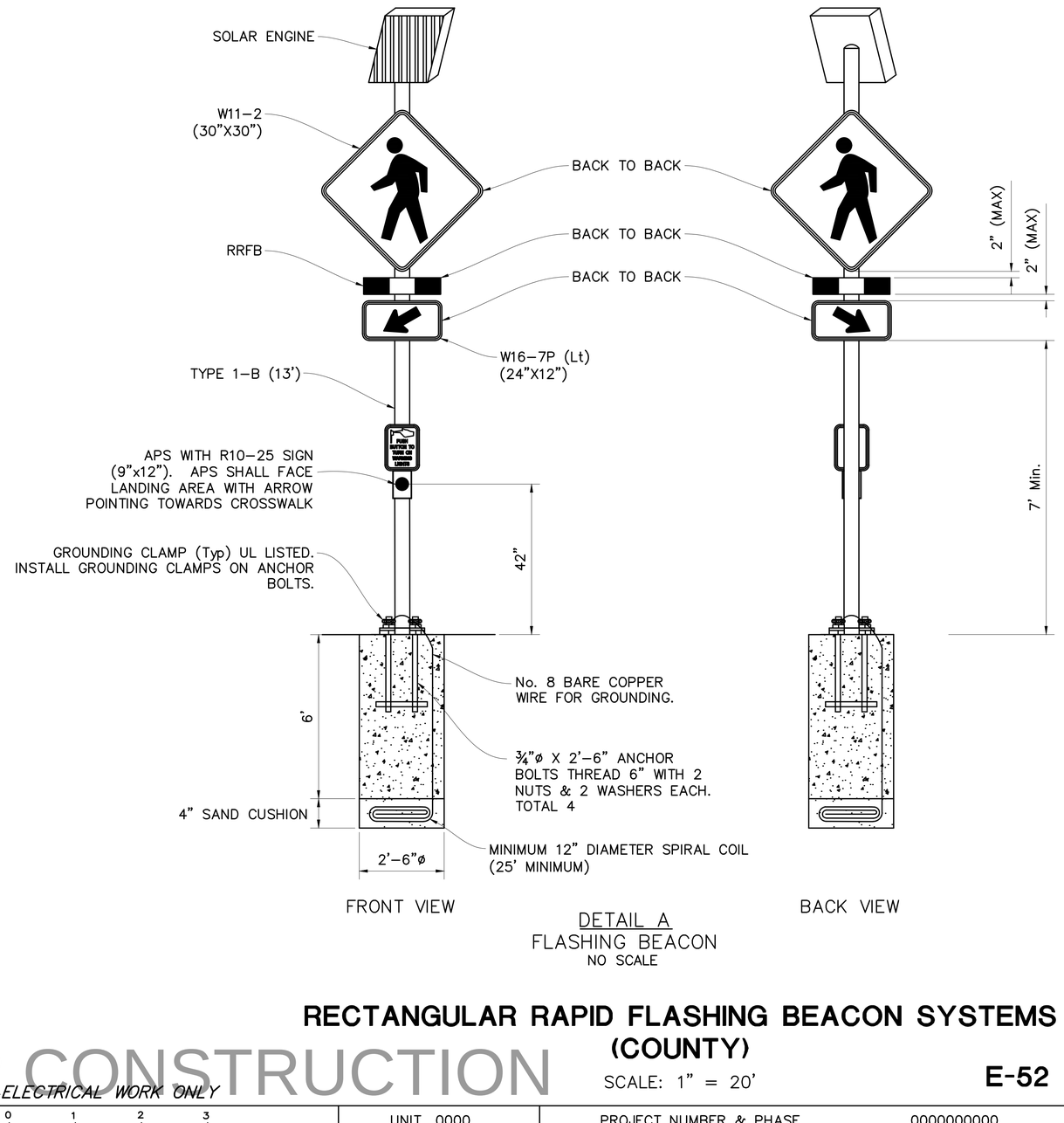
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060





DETAIL A
FLASHING BEACON
NO SCALE

RECTANGULAR RAPID FLASHING BEACON SYSTEMS (COUNTY)

SCALE: 1" = 20'

E-52

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REVISED BY	DATE REVISED
BRANDON VERGARA	MENG YANG
CALCULATED–DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	DAN K. YAU

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

LAST REVISION 08–23–24
DATE PLOTTED => 8/23/2024
TIME PLOTTED => 5:02 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => 0500000001ua052 RRFB.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

NOTE:

ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEMS PLAN AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	~~597~~ 598	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER * KIN Y. CHAN No. 55391 Exp. 12/31/24 CIVIL * STATE OF CALIFORNIA *

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BENNETT ENGINEERING SERVICES
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 PACIFIC AVENUE
SANTA CRUZ, CA 95060

MODIFYING LIGHTING SYSTEMS

SHEET No.	(N) TYPE III–BF SERVICE EQUIPMENT ENCLOSURE AND Fdn	TYPE 15 Std AND Fdn	TYPE 30 Std AND Fdn	TYPE 31 Std AND Fdn	TEMPORARY WOOD POLE	12' LMA	Rdwy 11 LED Lum	Rdwy 12 LED Lum	PEU	No. 5 PB	No. 5(T) PB	No. 9 PB	1½" CONDUIT TYPE 1	2" CONDUIT TYPE 1	2" CONDUIT TYPE 3	3" CONDUIT TYPE 3	No. 2 CONDUCTOR	No. 6 CONDUCTOR	No. 8 CONDUCTOR	No. 8 CONDUCTOR (G)	No. 10 CONDUCTOR	No. 14 CONDUCTOR	OVERHEAD BUNDLE
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
E–1	1				2						3				155	135	45		1160	580			145
E–2					3					1			30		20						800		265
E–3					4	1		1			1				60	150			2580	1290			350
E–4					3										25				1720	860			345
E–5			1					1			1				175			350		175			
E–6																							
E–7					6	2		2							10				1450	725			685
E–8					3	4		4							20				670	335			285
E–9					1	1		1							50				160	80			
E–10			2					2			3				460			740	580	370			
E–11				1	3	2		3			2				205				1170	585			350
E–12						3		3															
E–13					2						1				30				580	290			200
E–14															210				420	210			
E–15			4					4	1		3				455				910	455		300	
E–16		8					8								80			160		80			
E–17			2					2			3	1		5	400				1190	595	150		
E–18			2					2		1	4				850				2020	1010			
E–19												1		5									
E–20		2	2				2	2			10				1260	150			4400	1260			

(N) – NOT A SEPARATE BID ITEM

MODIFYING TRAFFIC MONITORING STATIONS

SHEET No.	(N) TYPE III–BF SERVICE EQUIPMENT ENCLOSURE AND Fdn	MODEL 334LS CABINET	TEMPORARY WOOD POLE	REPROGRAM MVDS	RELOCATE AND REPROGRAM MVDS	TYPE A LOOP DETECTOR	No. 2 PB	No. 5(T) PB	No. 6(T) PB	No. 9 PB	2" CONDUIT TYPE 1	2" CONDUIT TYPE 3	3" CONDUIT TYPE 3	No. 6 CONDUCTOR	No. 8 CONDUCTOR	DLC
		EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF
E–21			1		1										220	
E–22																
E–23			1		1										100	
E–24				1												
E–25				1												
E–26				1												
E–27				1												
E–28					1											
E–29				1												
E–30				1												
E–31					1											
E–32						2		2								
E–33				1		6		1	1	1	75	25	135			520
E–34					1	2		2				10				
E–35					1											
E–36	1	1				12	1	1	4			135	165	200		1050
E–37					1											

(N) – NOT A SEPARATE BID ITEM

ELECTRICAL SYSTEMS QUANTITIES

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EQ-1

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STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

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BORDER LAST REVISED 7/2/2010 | USERNAME => MYANG | DGN FILE => EQ–1–2 QUANTITIES.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	1	8.1/10.7	~~589~~	932

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/24
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SANTA CRUZ, CA 95060

NOTE:

ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEMS PLAN AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

MODIFYING SIGNAL AND LIGHTING SYSTEMS

SHEET No.	(N) IS SIGN ON SMA
	EA
E-38	1
E-40	1

(N) – NOT A SEPARATE BID ITEM

ELECTRICAL SERVICE FOR IRRIGATION

SHEET No.	(N) No. 5(T) PB	(N) 2" CONDUIT TYPE 3	(N) No. 10 CONDUCTOR
	EA	LF	LF
E-42	3	320	640
E-43		40	80

(N) – NOT A SEPARATE BID ITEM

ELECTRICAL SERVICE FOR IRRIGATION (COUNTY)

SHEET No.	(N) 15 A, 1P, 120 V CB	(N) No. 5 PB	(N) 1½" CONDUIT TYPE 3	(N) 2" CONDUIT TYPE 3	(N) PULL TAPE
	EA	EA	LF	LF	LF
E-44	1	1		65	60

(N) – NOT A SEPARATE BID ITEM

TRAIL LIGHTING

SHEET No.	(N) TYPE III-AF SERVICE EQUIPMENT ENCLOSURE AND Fdn	(N) LITHONIA LIGHTING 22 W LED WALL LIGHT	(N) COOPER GLEON 59 W TRAIL LIGHTING WITH 20' POLE, MOTION SENSOR AND Fdn	(N) STERNBERG LIBERTYVILLE 35 W TRAIL LIGHTING WITH 16' POLE, MOTION SENSOR AND Fdn	(N) WAGNER 3 W LUMENPOD RAIL LIGHTING	(N) No. 5 PB	(N) No. 9 PB	(N) 2" STEEL CONDUIT	(N) 2" CONDUIT TYPE 3	(N) 3" CONDUIT TYPE 3	(N) No. 2 CONDUCTOR	(N) No. 4 CONDUCTOR	(N) No. 6 CONDUCTOR	(N) No. 8 CONDUCTOR	(N) No. 10 CONDUCTOR
	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF
E-45	1	7	6			5	13	1115	435		210	8040	6700		
E-46			4	5		2	8	560	130		210	1920	1150	1030	
E-47	1			13		12	3		1450		300		1370	3456	
E-48			5	4		2	9		1005				1990	720	
E-49						11	5		1420		885		3390		
E-50					380	24			2121			6364			
E-51					370	25			2080				4160	1830	

(N) – NOT A SEPARATE BID ITEM

RECTANGULAR RAPID FLASHING BEACON SYSTEMS (COUNTY)

SHEET No.	(N) TYPE 1-B Std (13') AND Fdn	(N) APS	(N) RRFB SOLAR ENGINE	(N) RRFB LIGHT BAR
	EA	EA	EA	EA
E-52	2	2	2	4

(N) – NOT A SEPARATE BID ITEM

ELECTRICAL SYSTEMS QUANTITIES

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EQ-2

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