



Integrated Waste  
Road & Bridge Operations  
Sonoma County Airport  
Sonoma County Transit

**Johannes J. Hoevertsz, Director**

Trish Pisenti, Deputy Director- Transportation & Operations  
Janice Thompson, Deputy Director- Engineering & Maintenance

## ***NOTICE OF CATEGORICAL EXEMPTION***

Sonoma County proposes to carry out the following project. Pursuant to Section 23A-11 of the Sonoma County Code, it has been determined that this project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA):

**Project Title:** 2017 Fire Debris Damaged Roads Paving Project

**Lead Agency / County Agency of Filing:** Sonoma County

**Project Proponent (Applicant):** Sonoma County Department of Transportation and Public Works

**Applicant Address:** 2300 County Center Drive, Suite B100, Santa Rosa, CA 95403

**Project Location:** Various roadways within the Sonoma County Right of Way

**Date of Approval:** 04/18/2022

**Exemption Filed With:** Sonoma County Clerk

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### **PROJECT DESCRIPTION:**

The Sonoma County Department of Transportation and Public Works will improve a series of roadways under the jurisdiction of Sonoma County. A total of 31 roadways will be improved as a result of the project. The total section of roadways to be improved by this project is approximately 42.30 miles in length. The project is funded by Sonoma County. The primary goal of the project is to improve roadways and bring them up to current safety standards. The improvement work will include placement of an asphalt overlay on 30 roadways (totaling 42.26 miles in length) and removal and replacement of asphalt concrete on one (1) roadway (totaling 0.04 mile in length). The project would also place thermoplastic traffic stripes and/or pavement markers on most of the project roadways. Additionally, metal beam guard rail will be replaced if necessary to bring the roadways up to current standards. All work will occur within the roadway prism. Refer to Attachment A for a location map and a table with a summary of each roadway location and treatment. Attachment B provides photographs showing the existing conditions of the project roadways. Attachment C provides the preliminary site plans for the project roadways, which includes proposed project work for each roadway.

The project may require staging areas. The contractor may use road shoulder pull offs for staging if spaces are available. Portions of some roadways will likely need to be closed due to narrow width. However, these roadways will only be closed when necessary and will be open for emergency vehicles and local traffic to pass at all times. Construction area and project information signs will be posted near the roadways prior to and during construction to inform the public. Refer to Attachment A for the list of roadways that may require closure during construction.

Minor clearing and grubbing, and tree pruning at the edge of pavement will be performed as needed. If necessary, trees and bushes will be trimmed back no more than 15 feet above paved surface and three (3) feet out from the edge of pavement.

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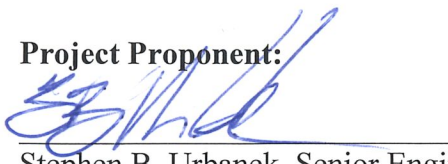
**REASON WHY THIS PROJECT IS EXEMPT:**

The project is categorically exempt from the California Environmental Quality Act (CEQA) Guidelines Sections and falls under the following exemptions: Section 15301 (c) Class 1 - Maintenance of existing highways and streets. Refer to Attachment D for a description of the exemption language and the reasons the project will not be precluded from being categorically exemption per CEQA Section 15300.2 Exceptions.

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This Notice of Exemption is filed pursuant to the provisions of Section 15062 of the State CEQA Guidelines.

**Project Proponent:**

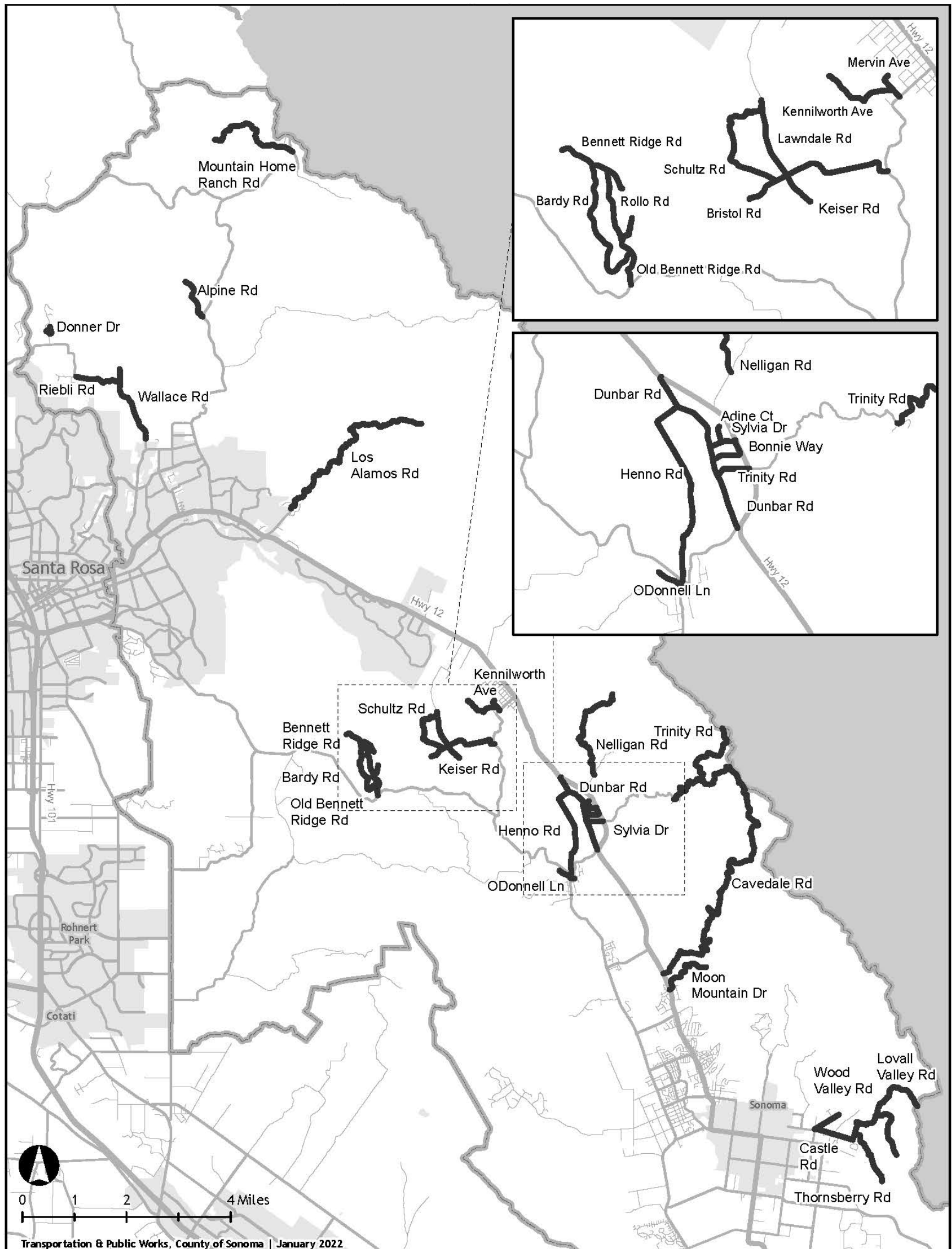


Stephen B. Urbanek, Senior Engineer  
Sonoma County Department of Transportation and Public works  
(707) 565-2231



**Attachment A      Location Map and Table**

Figure 1. Location Map<sup>1</sup>



<sup>1</sup> Sonoma County Department of Transportation and Public Works. January 2022.

**Table 1. Summary of Roadways Information<sup>2</sup>**

Road name	Road ID	Location	From (Post Mile)	To (Post Mile)	Length (mile)	Treatment	Road Closure?
Adine Court	66076	Sylvia Drive to Cul De Sac, Glen Ellen	10.00	10.15	0.15	Asphalt Overlay	No
Alpine Road	87001	Calistoga Road to end of County Maintained Road, Santa Rosa	10.00	10.86	0.86	Asphalt Overlay	No
Bardy Road	66082	Old Bennett Ridge Road to Bennett Ridge Road, Santa Rosa	10.00	11.35	1.35	Asphalt Overlay	No
Bennett Ridge Road	66081B	End of County Maintained Road to End of County Maintained Road, Santa Rosa	20.00	20.69	0.69	Asphalt Overlay	No
Bonnie Way	66074	Dunbar Drive to Sylvia Drive, Glen Ellen	10.00	10.40	0.40	Asphalt Overlay	No
Bristol Road	66063	End of County Maintained Road to Keiser Road, Kenwood	10.00	10.42	0.42	Asphalt Overlay	No
Castle Road	55044	Seventh Street E to End of County Maintained Road, Sonoma	10.00	10.54	0.54	Asphalt Overlay	No
Cavedale Road	66032	Highway 12 to Trinity Road, Sonoma and Glen Ellen	10.00	17.50	7.50	Asphalt Overlay	Yes
Donner Drive	88060	Wilshire Drive to Cul De Sac, Santa Rosa	10.00	10.29	0.29	Asphalt Overlay	No
Dunbar Road	66056	Arnold Drive to Highway 12, Glen Ellen	10.00	11.65	1.65	Asphalt Overlay	No
Henno Road	66049	Odonnell Lane to Dunbar Road, Glen Ellen	10.00	11.87	1.87	Asphalt Overlay	No
Keiser Road	66062	End County Maintained Road to Lawndale Road, Kenwood	10.00	10.31	0.31	Asphalt Overlay	No
Kennilworth Avenue	76018	End of County Maintained Road to Mervin Avenue, Kenwood	10.00	10.69	0.69	Asphalt Overlay	Yes
Lawndale Road	76023	Warm Springs Road to Schultz Road, Kenwood	10.00	11.72	1.72	Asphalt Overlay	No
Los Alamos Road	77005	City of Santa Rosa Limits to End of County Maintained Road, Santa Rosa	10.94	15.00	4.06	Asphalt Overlay	Yes
Lovall Valley Road	55040B	Seventh Street E to Napa County Line, Sonoma	10.61	13.56	2.95	Asphalt Overlay	No
Mervin Avenue	76017	End of County Maintained Road to Warm Springs Road, Kenwood	10.00	10.25	0.25	Asphalt Overlay	Yes
Moon Mountain Drive	66031	Highway 12 to End of County Maintained Road, Sonoma	10.00	11.52	1.52	Asphalt Overlay	No
Mountain Home Ranch Road	87002	End of County Maintained to Petrified Forest Road, Calistoga	20.00	22.05	2.05	Asphalt Overlay	No
Nelligan Road	66059	Nuns Canyon Road to End of County Maintained Road, Glen Ellen	10.00	12.20	2.20	Asphalt Overlay	Yes
O'Donnell Lane	66048	End of County Maintained Road to Arnold Drive, Glen Ellen	10.00	10.33	0.33	Asphalt Overlay 0.29 mile; Removal and Replacement of Asphalt Concrete 0.04 mile.	Yes

<sup>2</sup> Sonoma County Department of Transportation and Public Works. On-Call Contract Task Order Request for Proposal Package. November 2021.

Road name	Road ID	Location	From (Post Mile)	To (Post Mile)	Length (mile)	Treatment	Road Closure?
Old Bennett Ridge Road	66081A	Bennett Valley Road to End of County Maintained Road, Santa Rosa	10.00	10.70	0.70	Asphalt Overlay	No
Riebli Road	88001	Hidden Hills Drive to Wallace Road, Santa Rosa	11.62	12.53	0.91	Asphalt Overlay	No
Rollo Road	66097	Old Bennett Ridge Road to Bennett Ridge Road, Santa Rosa	10.00	10.66	0.66	Asphalt Overlay	No
Schultz Road	66064	Bristol Road to Lawndale Road, Kenwood	10.00	11.24	1.24	Asphalt Overlay	Yes
Sylvia Drive	66075	Dunbar Drive to Highway 12, Glen Ellen	10.00	10.25	0.25	Asphalt Overlay	No
Thornsberry Road	55043	End of County Maintained to Lovall Valley Road, Sonoma	10.00	11.13	1.13	Asphalt Overlay	No
Trinity Road	6603	Manzanita Lane to Napa County Line, Glen Ellen	12.08	14.75	2.67	Asphalt Overlay	No
Trinity Road	66057	Dunbar Road to Highway 12, Glen Ellen	9.68	10.00	0.32	Asphalt Overlay	No
Wallace Road	77067	City of Santa Rosa Limits to End of County Maintained Road, Santa Rosa	10.20	11.75	1.55	Asphalt Overlay	No
Wood Valley Road	55042	End of County Maintained Road to Lovall Valley Road, Sonoma	10.00	11.08	1.08	Asphalt Overlay	No
<b>Total</b>					<b>42.30 miles</b>		

**Attachment B Existing Conditions of Project Roadways**





Adine Court (Road ID: 66076) – Sylvia Drive to Cul De Sac, Glen Ellen. Length: 0.15 Mile.  
Treatment: Asphalt Overlay

## Figure 1. Adine Court





Alpine Road (Road ID: 87001) - Calistoga Road to End of County Maintained Road, Santa Rosa. Length: 0.86 Mile. Treatment: Asphalt Overlay

## Figure 2. Alpine Road





Bardy Road (Road ID: 66082) - Old Bennett Ridge Road to Bennett Ridge Road, Santa Rosa.  
Length: 1.35 Miles. Treatment: Asphalt Overlay

### Figure 3. Bardy Road





Bennett Ridge Road (Road ID: 66081B) - End of County Maintained Road to End of County Maintained Road, Santa Rosa. Length: 0.69 Mile. Treatment: Asphalt Overlay

## Figure 4. Bennett Ridge Road





Bonnie Way (Road ID: 66074) – Dunbar Drive to Sylvia Drive, Glen Ellen. Length: 0.40 Mile.  
Treatment: Asphalt Overlay

## Figure 5. Bonnie Way





Bristol Road (Road ID: 66063) - End of County Maintained Road to Keiser Road, Kenwood.  
Length: 0.42 Mile. Treatment: Asphalt Overlay

## Figure 6. Bristol Road





Castle Road (Road ID: 55044) - Seventh Street E to End of County Maintained Road, Sonoma.  
Length: 0.54 Mile. Treatment: Asphalt Overlay

## Figure 7. Castle Road





Cavedale Road (Road ID: 66032) - Highway 12 to Trinity Road, Sonoma and Glen Ellen.  
Length: 7.50 Miles. Treatment: Asphalt Overlay

## Figure 8. Cavedale Road





Donner Road (Road ID: 88060) - Wilshire Drive to Cul De Sac, Santa Rosa. Length: 0.29 Mile.  
Treatment: Asphalt Overlay

## Figure 9. Donner Road





Dunbar Road (Road ID: 66056) – Arnold Drive to Highway 12, Glen Ellen. Length: 1.65 Miles.  
Treatment: Asphalt Overlay

## Figure 10. Dunbar Road





Henno Road (Road ID: 66049) – O'Donnell Lane to Dunbar Road, Glen Ellen. Length: 1.87 Miles.  
Treatment: Asphalt Overlay

## Figure 11. Henno Road





Keiser Road (Road ID: 66062) - End County Maintained Road to Lawndale Road, Kenwood. Length: 0.31 Mile. Treatment: Asphalt Overlay

## Figure 12. Keiser Road





Kennilworth Avenue (Road ID: 76018) - End of County Maintained Road to Mervin Avenue, Kenwood. Length: 0.69 Mile. Treatment: Asphalt Overlay

### Figure 13. Kennilworth Avenue





Lawndale Road (Road ID: 76023) - Warm Springs Road to Schultz Road, Kenwood.  
Length: 1.72 Miles. Treatment: Asphalt Overlay

**Figure 14. Lawndale Road**





Los Alamos Road (Road ID: 77005) - City of Santa Rosa Limits to End of County Maintained Road, Santa Rosa. Length: 4.06 Miles. Treatment: Asphalt Overlay

## Figure 15. Los Alamos Road





Lovall Valley Road (Road ID: 55040B) - Seventh Street E to Napa County Line, Sonoma.  
Length: 2.95 Miles. Treatment: Asphalt Overlay

## Figure 16. Lovall Valley Road





Mervin Avenue (Road ID: 76017) - End of County Maintained Road to Warm Springs Road, Kenwood.  
Length: 0.25 Mile. Treatment: Asphalt Overlay

## Figure 17. Mervin Avenue





Moon Mountain Drive (Road ID: 66031) - Highway 12 to End of County Maintained Road, Sonoma.  
Length: 1.52 Miles. Treatment: Asphalt Overlay

## Figure 18. Moon Mountain Drive





Mountain Home Ranch Roach (Road ID: 87002) - End of County Maintained to Petrified Forest Road, Calistoga. Length: 2.05 Miles. Treatment: Asphalt Overlay

## Figure 19. Mountain Home Ranch Road





Nelligan Road (Road ID: 66059) – Nuns Canyon Road to End of County Maintained Road, Glen Ellen.  
Length: 2.20 Miles. Treatment: Asphalt Overlay

## Figure 20. Nelligan Road





O'Donnell Lane (Road ID: 66048) - End of County Maintained Road to Arnold Drive, Glen Ellen.  
Length: 0.33 Mile. Treatment: Removal and Replacement of Asphalt Concrete; Asphalt Overlay.

**Figure 21. O'Donnell Lane**





Old Bennett Ridge Road (Road ID: 66081A) - Bennett Valley Road to End of County Maintained Road, Santa Rosa. Length: 0.70 Mile. Treatment: Asphalt Overlay

## Figure 22. Old Bennett Ridge Road





Riebli Road (Road ID: 88001) - Hidden Hills Drive to Wallace Road, Santa Rosa. Length: 0.91 Mile.  
Treatment: Asphalt Overlay

## Figure 23. Riebli Road





Rollo Road (Road ID: 66097) - Old Bennett Ridge Road to Bennett Ridge Road, Santa Rosa.  
Length: 0.66 Mile. Treatment: Asphalt Overlay

## Figure 24. Rollo Road





Schultz Road (Road ID: 66064) - Bristol Road to Lawndale Road, Kenwood. Length: 1.24 Miles.  
Treatment: Asphalt Overlay

## Figure 25. Schultz Road





Sylvia Drive (Road ID: 66075) – Dunbar Drive to Highway 12, Glen Ellen. Length: 0.25 Mile.  
Treatment: Asphalt Overlay

**Figure 26. Sylvia Drive**





Thornsberry Road (Road ID: 55043) - End of County Maintained to Lovall Valley Road, Sonoma  
Length: 1.13 Miles. Treatment: Asphalt Overlay

## Figure 27. Thornsberry Road





Trinity Road (Road ID: 6603) - Manzanita Lane to Napa County Line, Glen Ellen. Length: 2.67 Miles.  
Treatment: Asphalt Overlay

## Figure 28. Trinity Road





Trinity Road (Road ID: 66057) – Dunbar Road to Highway 12, Glen Ellen. Length: 0.32 Mile.  
Treatment: Asphalt Overlay

## Figure 29. Trinity Road





Wallace Road (Road ID: 77067) - City of Santa Rosa Limits to End of County Maintained Road, Santa Rosa. Length: 1.55 Miles. Treatment: Asphalt Overlay

### Figure 30. Wallace Road





Wood Valley Road (Road ID: 55042) - End of County Maintained Road to Lovall Valley Road, Sonoma.  
Length: 1.08 Miles. Treatment: Asphalt Overlay

## Figure 31. Wood Valley Road

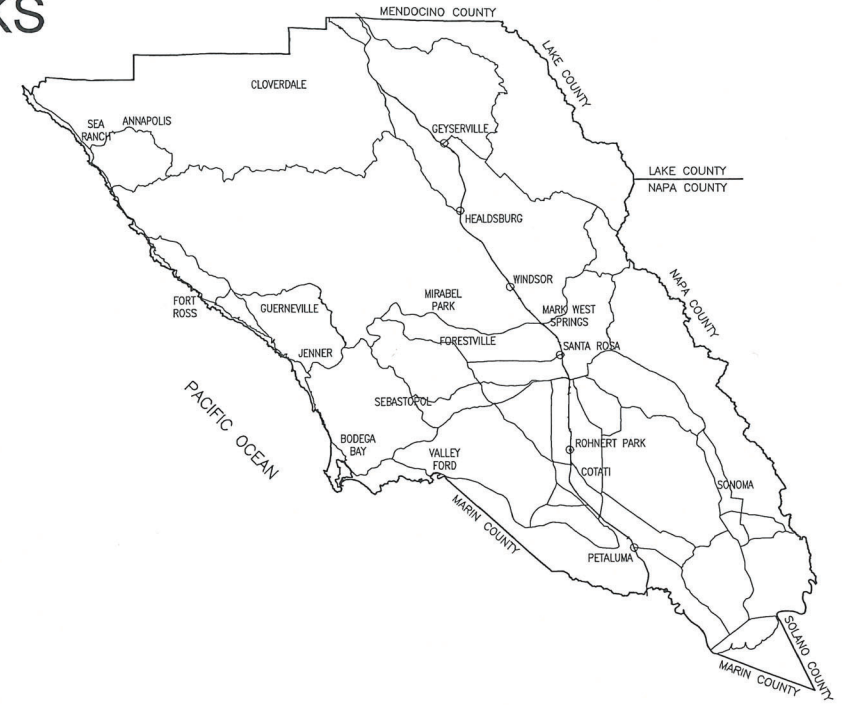


**Attachment C      Site Plans**

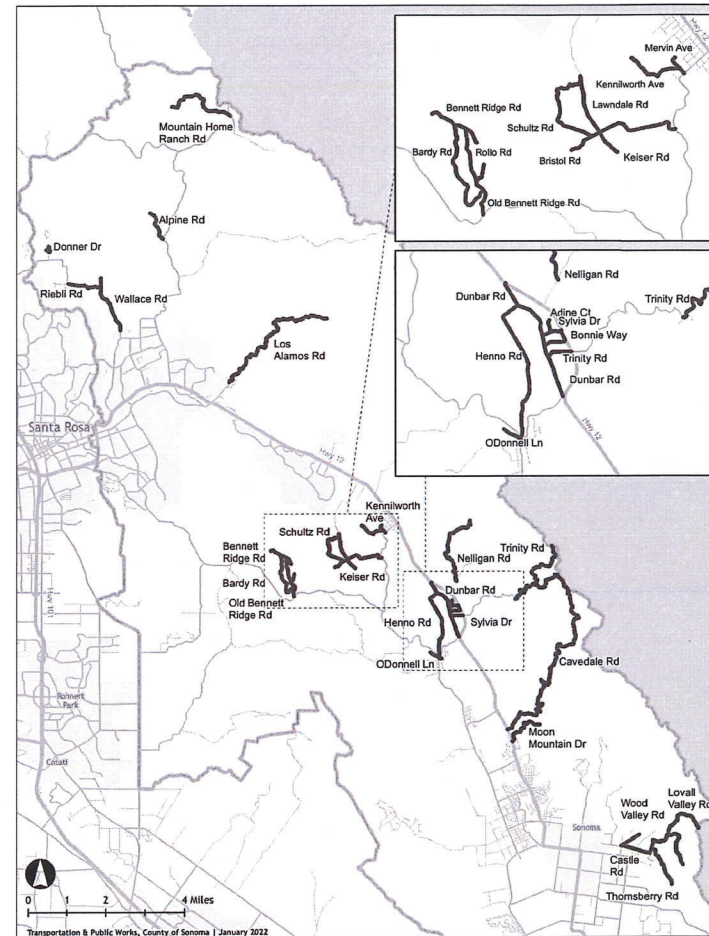


**COUNTY OF SONOMA**  
**DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS**  
 PROJECT DRAWINGS FOR CONSTRUCTION OF

**2017 FIRE DEBRIS DAMAGED  
 ROADS PAVING PROJECT**  
**COUNTY PROJECT NO. C22101**



SHEET LIST TABLE		
SHEET NO.		
1 - 2	TITLE SHEET & MAP INDEX	
3 - 8	CONSTRUCTION DETAILS	
	ROAD NAME/LOCATION	ROAD ID
9 - 10	ALPINE ROAD - LAYOUT & QUANTITY SUMMARIES	87001
11	BARDY AREA - LAYOUT	VARIOUS
12 - 13	BARDY ROAD - QUANTITY SUMMARIES	66082
14	BENNETT RIDGE ROAD - QUANTITY SUMMARIES	66081B
15	OLD BENNETT RIDGE ROAD - QUANTITY SUMMARIES	66081A
16	ROLLO ROAD - QUANTITY SUMMARIES	66097
17	BARDY AREA - CONSTRUCTION AREA SIGNS	VARIOUS
18 - 21	CAVEDALE ROAD - LAYOUT, QUANTITY SUMMARIES & DETOUR PLAN	66032
22 - 23	DONNER DRIVE - LAYOUT & QUANTITY SUMMARIES	88060
24	DUNBAR AREA - LAYOUT	VARIOUS
25	ADINE COURT - QUANTITY SUMMARIES	66076
26	BONNIE WAY - QUANTITY SUMMARIES	66074
27 - 28	DUNBAR ROAD - QUANTITY SUMMARIES	66056
29	HENNO ROAD - QUANTITY SUMMARIES	66049
30 - 31	O'DONNELL LANE - QUANTITY SUMMARIES	66048
32	SYLVIA DRIVE - QUANTITY SUMMARIES	66075
33	TRINITY ROAD - QUANTITY SUMMARIES	66057
34	DUNBAR AREA - CONSTRUCTION AREA SIGNS	VARIOUS
35	LAWNDALE AREA - LAYOUT	VARIOUS
36	BRISTOL ROAD - QUANTITY SUMMARIES	66063
37	KEISER ROAD - QUANTITY SUMMARIES	66062
38	KENILWORTH AVENUE - QUANTITY SUMMARIES	76018
39	LAWNDALE ROAD - QUANTITY SUMMARIES	76023
40	MERVIN AVENUE - QUANTITY SUMMARIES	76017
41	SCHULTZ ROAD - QUANTITY SUMMARIES	66064
42	LAWNDALE AREA - CONSTRUCTION AREA SIGNS	VARIOUS
43 - 45	LOS ALAMOS ROAD - LAYOUT & QUANTITY SUMMARIES	77005
46	LOVALL VALLEY AREA - LAYOUT	VARIOUS
47	CASTLE ROAD - QUANTITY SUMMARIES	55044
48 - 49	LOVALL VALLEY ROAD - QUANTITY SUMMARIES	55040B
50	THORNSBERRY ROAD - QUANTITY SUMMARIES	55043
51	WOOD VALLEY ROAD - QUANTITY SUMMARIES	55042
52	LOVALL VALLEY AREA - CONSTRUCTION AREA SIGNS	VARIOUS
53 - 54	MOON MOUNTAIN DRIVE - LAYOUT & QUANTITY SUMMARIES	66031
55 - 56	MOUNTAIN HOME RANCH ROAD - LAYOUT & QUANTITY SUMMARIES	87002
57 - 58	NELLIGAN ROAD - LAYOUT & QUANTITY SUMMARIES	66059
59 - 60	RIEBLI ROAD - LAYOUT & QUANTITY SUMMARIES	88001
61 - 62	TRINITY ROAD - LAYOUT & QUANTITY SUMMARIES	6603
63 - 65	WALLACE ROAD - LAYOUT & QUANTITY SUMMARIES	77067



**LOCATION MAP**  
NOT TO SCALE

APPROVED FOR CONSTRUCTION BY:

*Johannes J. Hoevertsz*  
 JOHANNES J. HOEVERTSZ, P.E. 67468 DIRECTOR  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS

2-23-2022  
DATE

*Stephen B. Urbanek*  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 SENIOR CIVIL ENGINEER  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS


2/23/2022  
DATE

**GENERAL NOTES:**

- UNDERGROUND UTILITIES NOT SHOWN ON PLANS. CONTRACTOR TO CALL UNDERGROUND SERVICE ALERT TO VERIFY UTILITY LOCATIONS PRIOR TO ANY EXCAVATION WORK.
- PAVEMENT DELINEATION NOT SHOWN ON PLANS. CONTRACTOR TO REFERENCE ALL EXISTING DELINEATION PRIOR TO WORK.
- THE STANDARD PLANS LIST FOR THIS PROJECT IS INCLUDED IN THE SPECIAL PROVISIONS BOOK.

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION	DATE	REVISION	BY	APPROVED
CONSTRUCTION COMPLETED:				
RESIDENT ENGINEER AS BUILT DRAWINGS BY:				



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	N/A
TITLE SHEET		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	1
		TOTAL SHEETS	65

Public Works & Transportation Department - Project C22101 - Title Sheet (V) - 2/23/2022 at 10:24 AM  
 File Date: Feb 23, 2022 at 10:24 AM  
 Plot Date: Feb 23, 2022 at 10:24 AM



2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT (C22101)						
ROAD NAME	ROAD ID	LOCATION	FROM PM	TO PM	LENGTH	TREATMENT
Adine Ct	66076	Sylvia Dr to Cul De Sac	10.00	10.15	0.15	AC Overlay
Alpine Rd	87001	Calistoga Rd to End of Co. Maint.	10.00	10.86	0.86	AC Overlay
Bardy Rd	66082	Old Bennett Ridge Rd to Bennett Ridge Rd	10.00	11.35	1.35	AC Overlay
Bennett Ridge Rd	66081B	End Co. Maint. to End Co. Maint.	20.00	20.69	0.69	AC Overlay
Bonnie Way	66074	Dunbar Dr to Sylvia Dr	10.00	10.40	0.40	AC Overlay
Bristol Rd	66063	End of Co. Maint. to Keiser Rd	10.00	10.42	0.42	AC Overlay
Castle Rd	55044	Seventh St E to End of Co. Maint.	10.00	10.54	0.54	AC Overlay
Cavedale Rd	66032	Hwy 12 to Trinity Rd	10.00	17.50	7.50	AC Overlay
Donner Dr	88060	Wilshire Dr to Cul De Sac	10.00	10.29	0.29	AC Overlay
Dunbar Rd	66056	Arnold Dr to Hwy 12	10.00	11.65	1.65	AC Overlay
Henno Rd	66049	O'Donnell Ln to Dunbar Rd	10.00	11.87	1.87	AC Overlay
Keiser Rd	66062	End Co. Maint. to Lawndale Rd	10.00	10.31	0.31	AC Overlay
Kennilworth Ave	76018	End of Co. Maint. to Mervin Ave	10.00	10.69	0.69	AC Overlay
Lawndale Rd	76023	Warm Springs Road to Schultz Rd	10.00	11.72	1.72	AC Overlay
Los Alamos Rd	77005	City of Santa Rosa limits to End of Co. Maint.	10.94	15.00	4.06	AC Overlay
Lovall Valley Rd	55040B	Castle Rd to Napa Co. Line	10.61	13.56	2.95	AC Overlay
Mervin Ave	76017	End Co. Maint. to Warm Springs Rd	10.00	10.25	0.25	AC Overlay
Moon Mountain Dr	66031	Hwy 12 to End of Co. Maint.	10.00	11.52	1.52	AC Overlay
Mountain Home Ranch Rd	87002	End of Co. Maint. to Petrified Forest Rd	20.00	22.05	2.05	AC Overlay
Nelligan Rd	66059	Nuns Canyon Rd to End of Co. Maint.	10.00	12.20	2.20	AC Overlay
O'Donnell Ln	66048	End of Co. Maint. to Arnold Dr	10.00	10.33	0.33	AC Overlay / Remove & Replace
Old Bennett Ridge Rd	66081A	Bennett Valley Rd to End of Co. Maint.	10.00	10.70	0.70	AC Overlay
Riebli Rd	88001	Hidden Hills Dr to Wallace Rd	11.62	12.53	0.91	AC Overlay
Rollo Rd	66097	Old Bennett Ridge Rd to Bennett Ridge Rd	10.00	10.66	0.66	AC Overlay
Schultz Rd	66064	Bristol Rd to Lawndale Rd	10.00	11.24	1.24	AC Overlay
Sylvia Dr	66075	Dunbar Dr to Hwy 12	10.00	10.25	0.25	AC Overlay
Thornsberry Rd	55043	End of Co. Maint. to Lovall Valley Rd	10.00	11.13	1.13	AC Overlay
Trinity Rd	6603	Manzanita Ln to Napa Co. Line	12.08	14.75	2.67	AC Overlay
Trinity Rd	66057	Dunbar Rd to Hwy 12	9.68	10.00	0.32	AC Overlay
Wallace Rd	77067	City of Santa Rosa limits to End of Co. Maint.	10.20	11.75	1.55	AC Overlay
Wood Valley Rd	55042	End of Co. Maint. Rd to Lovall Valley Rd	10.00	11.08	1.08	AC Overlay

Total Mileage 42.30

File: S:\WORKING\Design\Drawings\22101 - 1st Project\22101 - 1st Project\Drawings\22101 - 1st Project\22101 - 1st Project.dwg, Plot Date: 06/23/2022 10:38

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

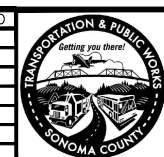
  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

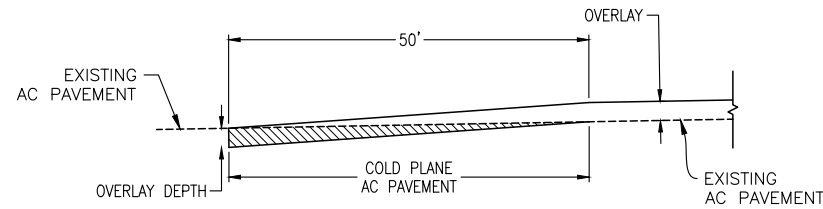
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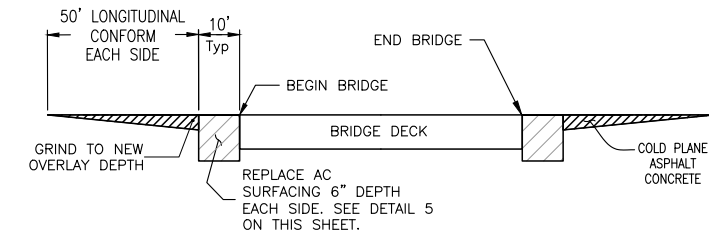

**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	N/A
<b>LOCATION MAP INDEX</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	2
		TOTAL SHEETS	65

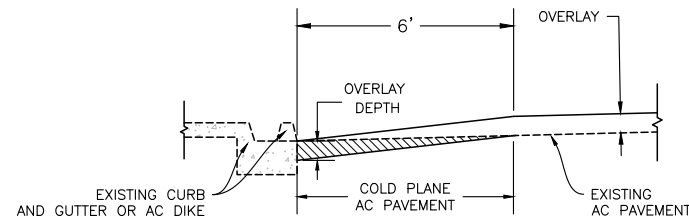




1 LONGITUDINAL CONFORM SECTION  
NOT TO SCALE



4 CONFORM GRINDING AT BRIDGE WITHOUT AC OVERLAY  
NOT TO SCALE

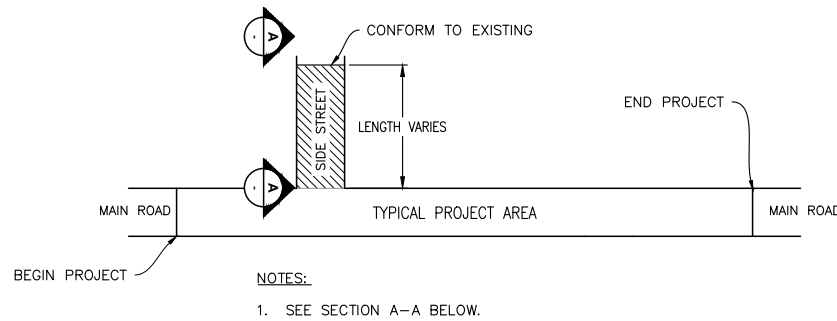


2 TRANSVERSE CONFORM SECTION  
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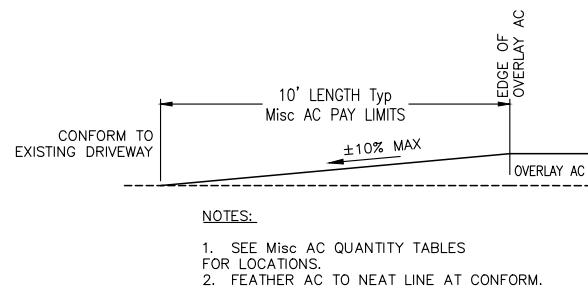


NOTES:  
1. PLACE ASPHALT CONCRETE IN 2 LIFTS. TOP LIFT SHALL BE A MINIMUM 0.17" THICKNESS.  
2. ASPHALT CONCRETE SHALL BE 3/4" MAX AGGREGATE GRADING.

5 REPLACE ASPHALT CONCRETE SURFACING EACH SIDE OF BRIDGE SECTION - 0.50' DEPTH  
NOT TO SCALE

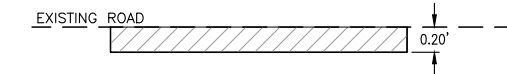


3 SIDE STREET CONFORM PLAN  
NOT TO SCALE



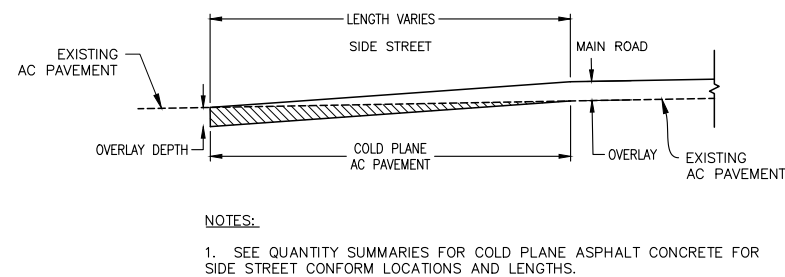
NOTES:  
1. SEE Misc AC QUANTITY TABLES FOR LOCATIONS.  
2. FEATHER AC TO NEAT LINE AT CONFORM.

6 TYPICAL DRIVEWAY CONFORM - TYPE 1  
NOT TO SCALE



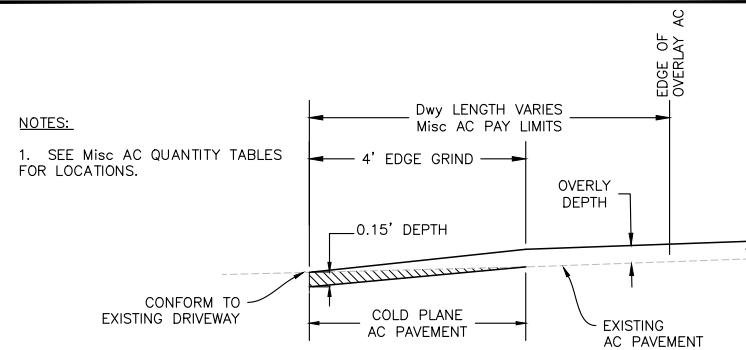
NOTES:  
1. MAY PLACE ASPHALT CONCRETE IN 1 LIFT.

8 REPLACE ASPHALT CONCRETE SURFACING SECTION - 0.20' DEPTH  
NOT TO SCALE



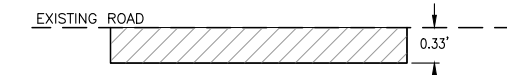
NOTES:  
1. SEE QUANTITY SUMMARIES FOR COLD PLANE ASPHALT CONCRETE FOR SIDE STREET CONFORM LOCATIONS AND LENGTHS.

A SIDE STREET CONFORM SECTION A-A  
NOT TO SCALE



NOTES:  
1. SEE Misc AC QUANTITY TABLES FOR LOCATIONS.

7 TYPICAL DRIVEWAY CONFORM - TYPE 2  
NOT TO SCALE



NOTES:  
1. MAY PLACE ASPHALT CONCRETE IN 1 LIFT IF BELOW FINAL OVERLAY SURFACE.  
2. ASPHALT CONCRETE SHALL BE 3/4" MAX AGGREGATE GRADING.

9 REPLACE ASPHALT CONCRETE SURFACING SECTION - 0.33' DEPTH  
NOT TO SCALE

Date: 2/23/2022 10:59 AM  
 Project: 2017 Fire Debris Damaged Roads Paving  
 Drawing: 2017 Fire Debris Damaged Roads Paving - Construction Details  
 Title: 2017 Fire Debris Damaged Roads Paving - Construction Details  
 Date: Feb 23, 2022 at 10:59 AM

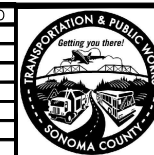
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED



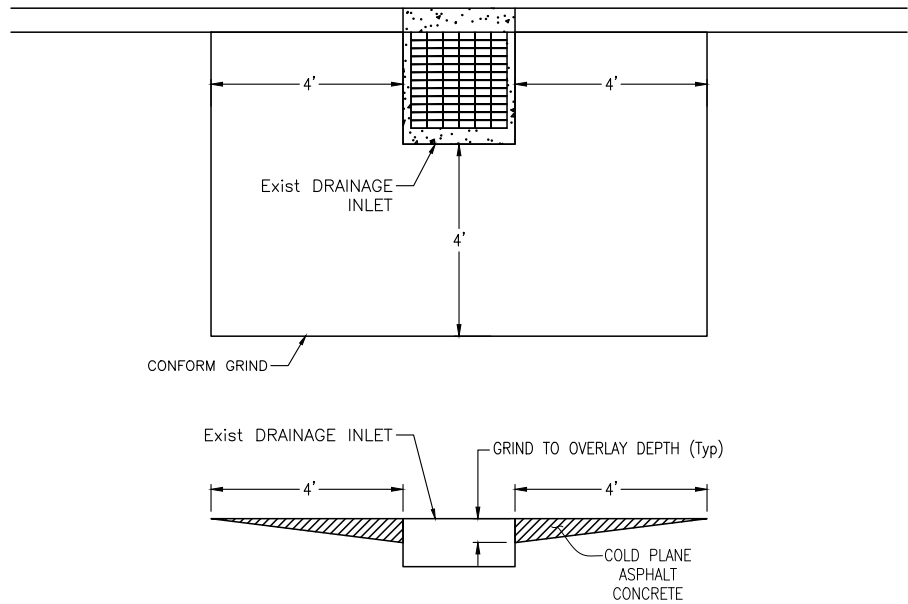
**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

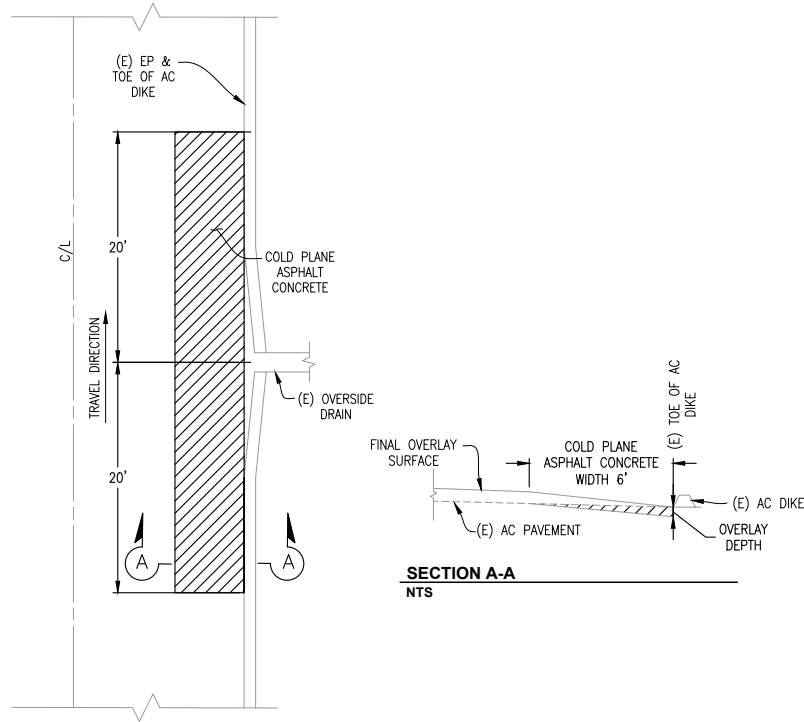
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ROAD NUMBER	N/A
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	3
TOTAL SHEETS	65

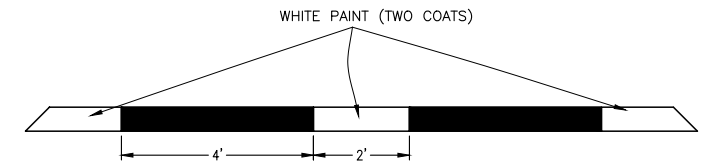




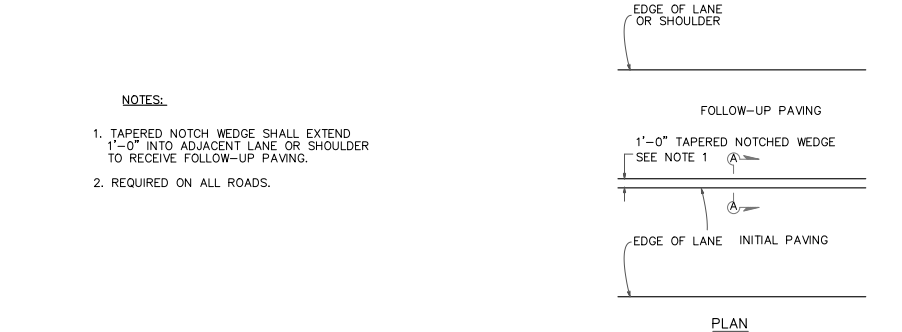
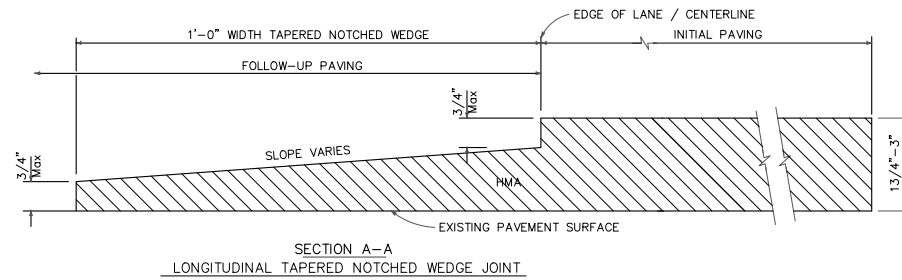
1 TYPICAL DRAINAGE INLET CONFORM  
NOT TO SCALE



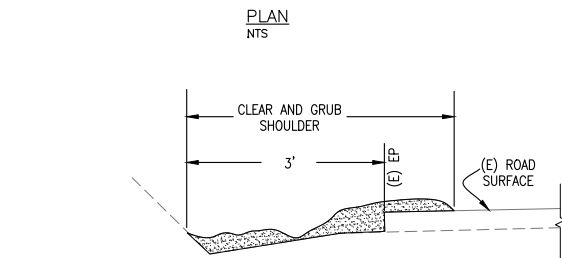
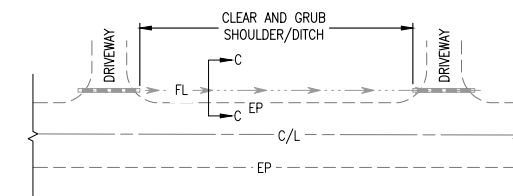
2 TYPICAL OVERSIDE DRAIN CONFORM  
NOT TO SCALE



3 DIKE STRIPING DETAIL  
NOT TO SCALE



4 LONGITUDINAL TAPERED NOTCHED WEDGE JOINT  
NOT TO SCALE



5 CLEAR AND GRUB SHOULDER/DRAINAGE DITCH  
NOT TO SCALE

DATE: 2/23/2022 10:00 AM PROJECT: 2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT SHEET: 2021-22 CONSTRUCTION DETAILS

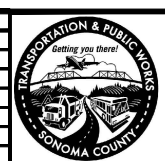
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

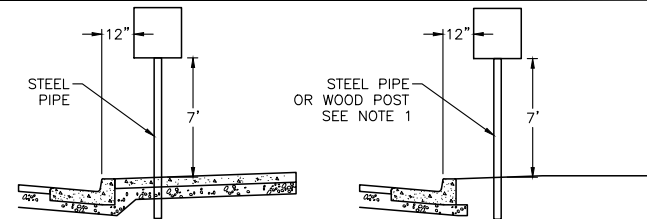


**COUNTY OF SONOMA**  
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 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT  
**CONSTRUCTION DETAILS**

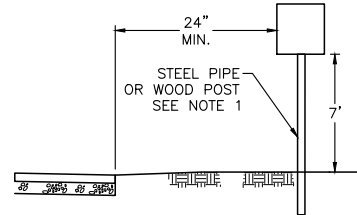
ROAD NUMBER	N/A
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	4
TOTAL SHEETS	65





SIDEWALK LOCATION

CURB ONLY LOCATION

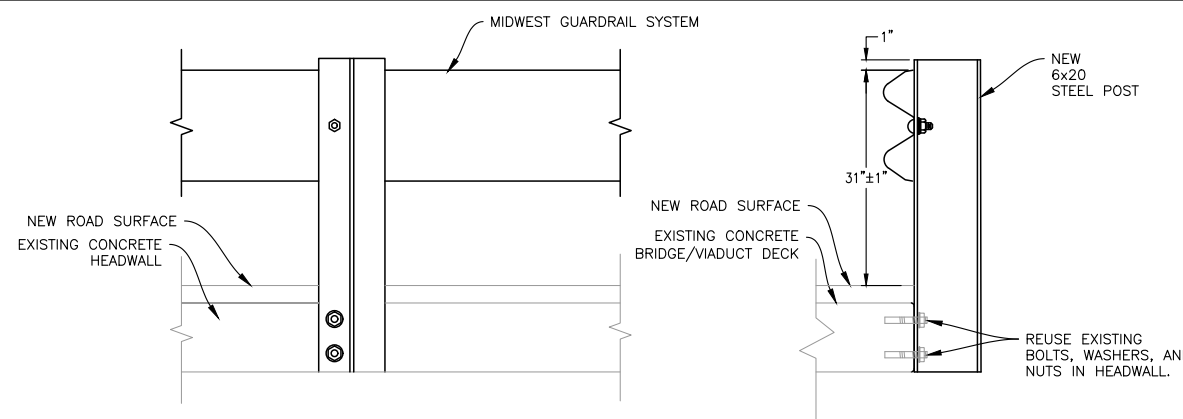


LOCATION WITH NO CURB OR SIDEWALK

NOTES:

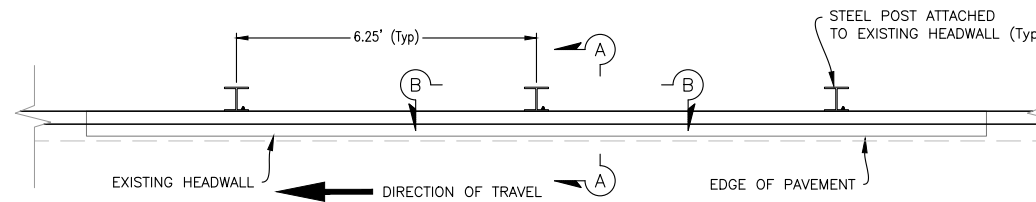
- BOTH STOP SIGN AND STREET SIGN POSTS SHALL BE 2" INSIDE DIAMETER STEEL POLES. AND SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE, CONFORMING TO ASTM 120 METAL POLES FOR STREET SIGNS SHALL BE THREADED AT ONE END AND CAPPED. WOOD POSTS SHALL CONFORM TO SECTION 56 OF CALTRANS SPECIFICATION. EXCEPT THAT REDWOOD SHALL NOT BE ALLOWED.
- DESIGN SHALL CONFORM TO THESE REQUIREMENTS UNLESS DIRECTED OTHERWISE BY THE COUNTY.
- SEE DETAIL SIGN FOUNDATION DETAILS.

1 SIGN LOCATION AND INSTALLATION DETAILS  
NTS



SECTION B-B: GUARD RAIL POST (FRONT VIEW)

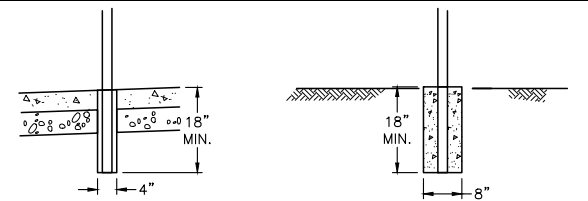
SECTION A-A: GUARD RAIL POST (PROFILE VIEW)



PLAN

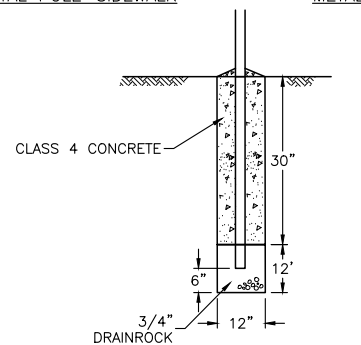
- NOTES:
- EXCEPTIONS AND SUPPLEMENTAL REQUIREMENTS TO STATE Std PLAN A77L2.
  - SEE QUANTITY TABLES FOR ADDITIONAL DETAILS.
  - MATCH EXISTING POST LAYOUT/POST TYPE.

3 TYPICAL HEADWALL GUARD RAIL DETAIL  
NTS



METAL POLE-SIDEWALK

METAL POLE-NO SIDEWALK

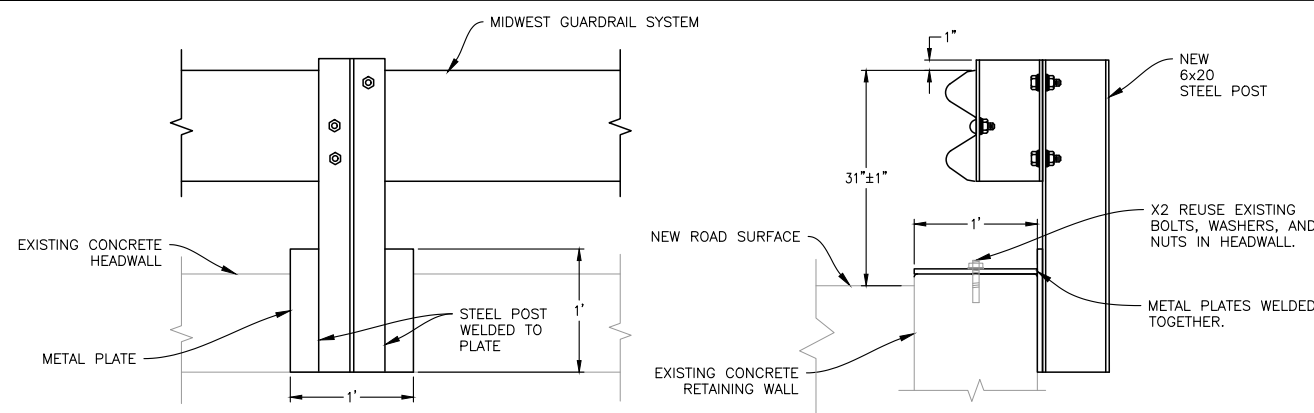


WOOD POST FOUNDATION

NOTES:

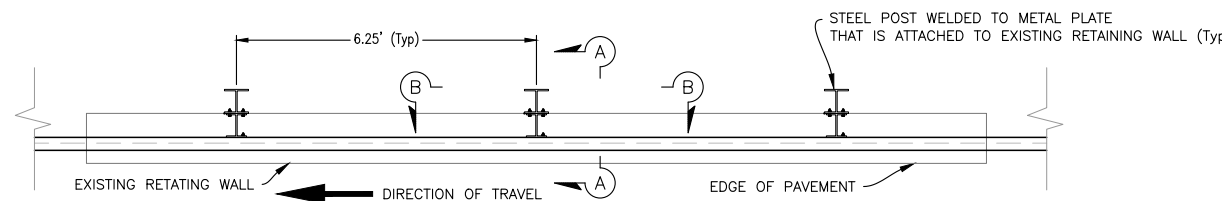
- 3/4" DRAINROCK SHOWN IN THE POST FOUNDATION DETAIL ONLY APPLIES TO WOOD POSTS.
- DESIGN SHALL CONFORM TO THESE REQUIREMENTS UNLESS DIRECTED OTHERWISE BY THE COUNTY.
- CONCRETE CONTAINING FOUR SACKS OF CEMENT PER CUBIC YARD MEETS THE CRITERION FOR CLASS 4 CONCRETE.

2 SIGN FOUNDATION DETAILS  
NTS



SECTION B-B: GUARD RAIL POST (FRONT VIEW)

SECTION A-A: GUARD RAIL POST (PROFILE VIEW)



PLAN

- NOTES:
- EXCEPTIONS AND SUPPLEMENTAL REQUIREMENTS TO STATE Std PLAN A77L2.
  - MATCH EXISTING POST LAYOUT/POST TYPE.

4 TYPICAL HEADWALL GUARD RAIL DETAIL FOR LOS ALAMOS ROAD LOCATION  
NTS

FILE: S:\INCHERR\Design\Current\Projects\22201 - 1st 1 Project\CAD Files\Project Plans CAD Files\2022\2021\_01\_20\2021\_01\_20\_01.dwg Plot Date: Feb 23, 2022 at 15:59

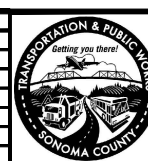
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	N/A
<b>CONSTRUCTION DETAILS</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	5
		TOTAL SHEETS	65



TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

\* - For other offsets, use the following merging taper length formula for L:  
 For speed of 40 mph or less,  $L = WS^2/60$   
 For speed of 45 mph or more,  $L = WS$

Where: L = Taper length in feet

W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

\*\* - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

\* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

\*\* - Longitudinal buffer space or flagger station spacing

\*\*\* - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

\* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

RSP T9 DATED JANUARY 20, 2017 SUPERSEDES STANDARD PLAN T9 DATED OCTOBER 30, 2015 - PAGE 249 OF THE STANDARD PLANS BOOK DATED 2015.

REVISED STANDARD PLAN RSP T9

11-1-16

DATE: 2/23/2022 10:50 AM PROJECT: 2021-2022 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT SHEET: 6 OF 6

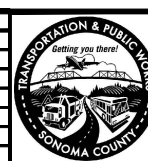
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DRAWING BY	CR
CHECKED BY	HGM

*[Signature]*  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED:  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT  
**ROAD CLOSURE DETAILS OVERLAY ROADS**

ROAD NUMBER	N/A
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	6
TOTAL SHEETS	65

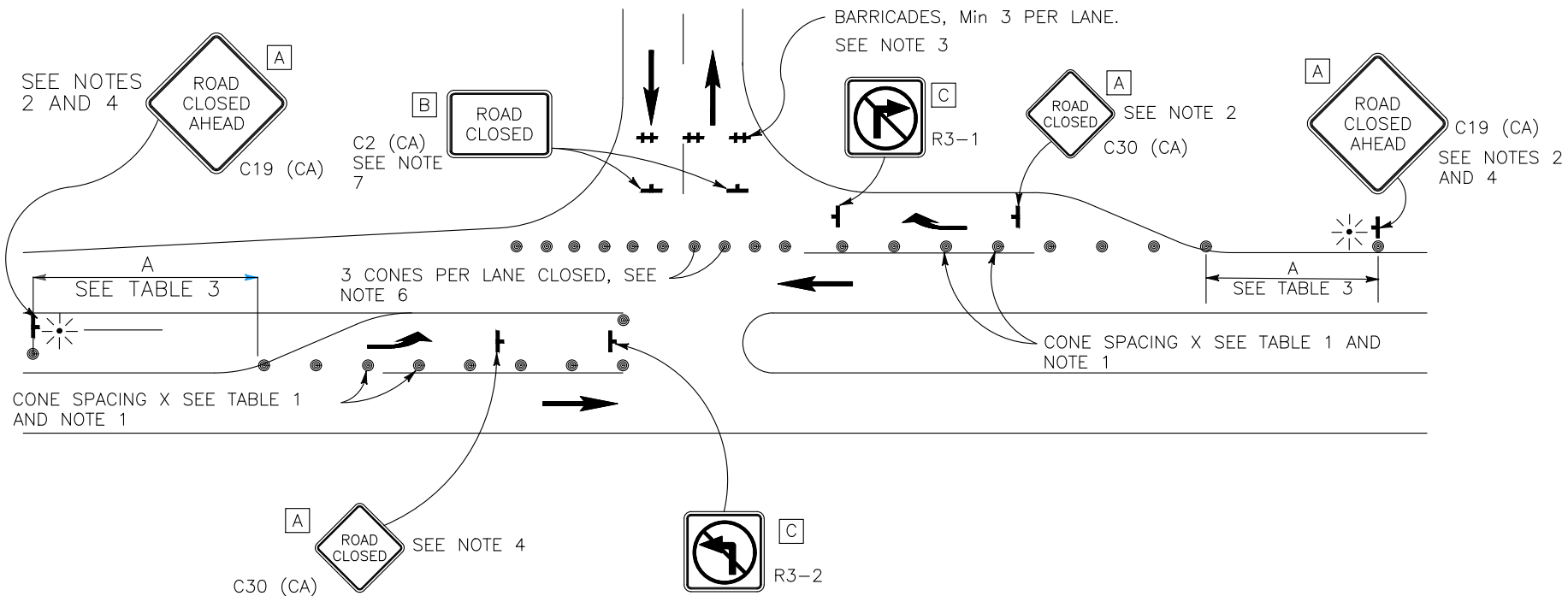


SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 30" x 30"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- ⊥ TEMPORARY SIGN
- ⊥ BARRICADES
- ← DIRECTION OF TRAVEL
- ↪ TURN ARROW
- ☀ PORTABLE FLASHING BEACON



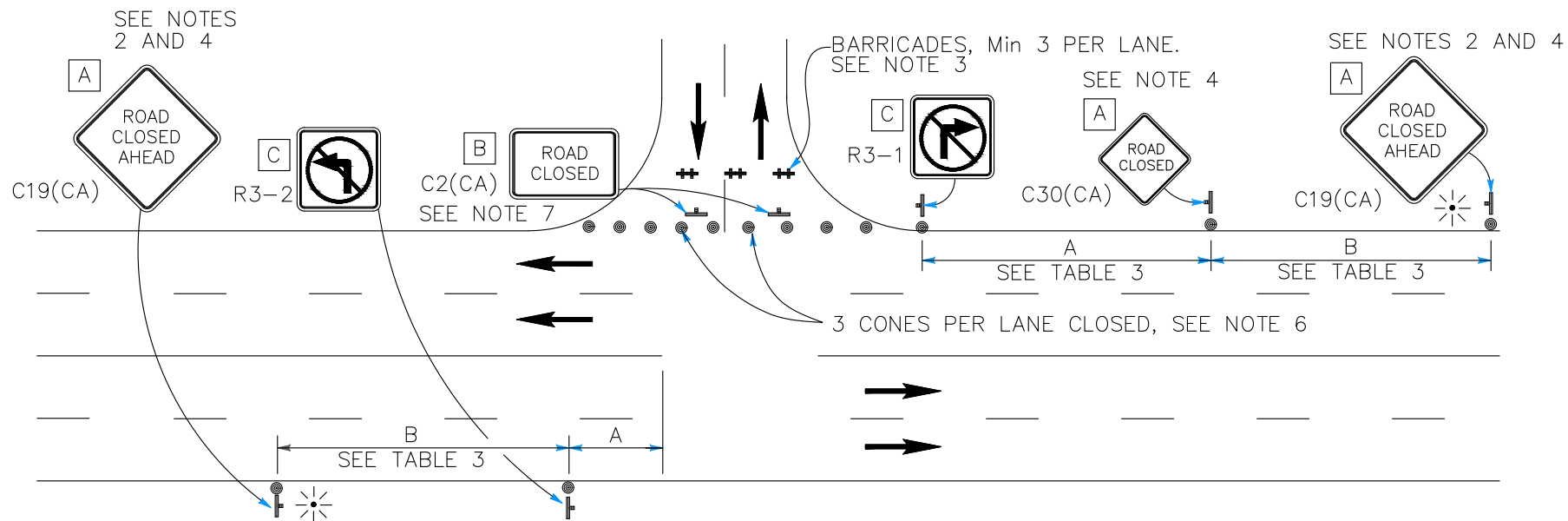
ROAD CLOSURE WITH TURNING POCKETS  
N.T.S.

GENERAL NOTES:

- 1. SEE REVISED STANDARD PLAN RSP T9 FOR TABLES.
- 2. USE CONE SPACING X FOR TAPER SEGMENT, Y FOR TANGENT SEGMENT OR Z FOR CONFLICT SITUATIONS, AS APPROPRIATE, PER TABLE 1, UNLESS X, Y, OR Z CONE SPACING IS SHOWN ON THIS SHEET.
- 3. PROVIDE AT LEAST ONE PERSON TO CONTINUOUSLY MAINTAIN TRAFFIC CONTROL DEVICES FOR LANE CLOSURES.
- 4. USE THIS DETAIL WHERE ROAD CLOSURE REQUIRED.

SHEET NOTES:

- 1. PORTABLE DELINEATORS PLACED AT ONE-HALF THE SPACING INDICATED FOR TRAFFIC CONES MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES ONLY.
- 2. EACH ADVANCE WARNING C19(CA) "ROAD CLOSED AHEAD" SIGN SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE. EACH FLAG SHALL BE AT LEAST 16"x16" IN SIZE AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR. A FLASHING BEACON SHALL BE PLACED ON TOP OF THE FIRST C19(CA) SIGN DURING HOURS OF DARKNESS.
- 3. BARRICADE SHALL BE TYPE I, TYPE II, OR TYPE III FOR CLOSURES LASTING ONE WEEK OR LESS AND TYPE III FOR CLOSURES LASTING LONGER THAN ONE WEEK.
- 4. IN ADDITION TO PLACING THE C19(CA) "ROAD CLOSED AHEAD" AND C30(CA) "RAMP CLOSED" SIGNS, BLACK ON ORANGE OVERLAY PLATE WITH THE WORD "CLOSED" MAY BE MOUNTED, AS DIRECTED BY THE ENGINEER, ON ALL GUIDE SIGNS THAT REFER TO THE CLOSED ROAD. THE LETTER SIZE ON THE OVERLAY SHALL BE THE SAME AS THE GUIDE SIGN.
- 5. A MINIMUM OF 3 CONES SHALL BE PLACED TRANSVERSELY ACROSS EACH CLOSED LANE AND SHOULDER.
- 6. C2(CA) SIGN SHALL BE BLACK AND WHITE.



ROAD CLOSURE WITHOUT TURNING POCKETS  
N.T.S.

DATE: 2/23/2022 10:50 AM  
 FILE: S:\ENGINEERING\Design\Current\Projects\222101 - 1st 1 Project\040 The Project Plans\040 The Project Plans\040 2021\_02\_23\_10\_50\_222101\_01.dwg  
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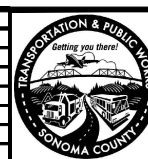
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 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED
CONSTRUCTION COMPLETED:			
RESIDENT ENGINEER _____			
AS BUILT DRAWINGS BY: _____			

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT	
<b>ROAD CLOSURE DETAILS</b>	
FDR ROADS	

ROAD NUMBER	N/A
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	7
TOTAL SHEETS	65





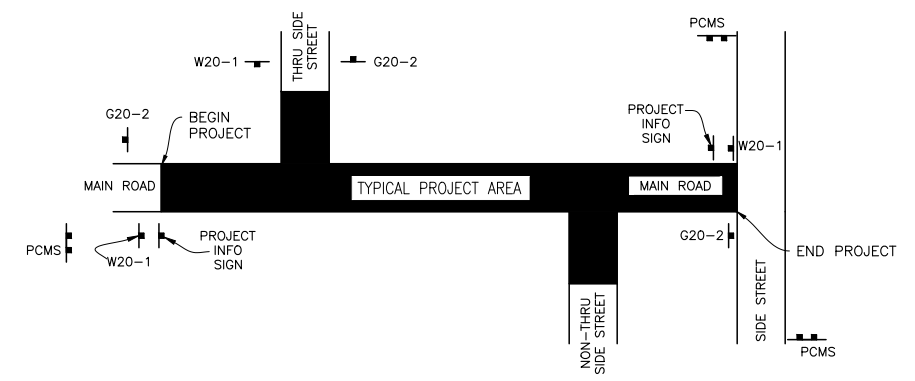
W20-1



G20-2

**LEGEND**

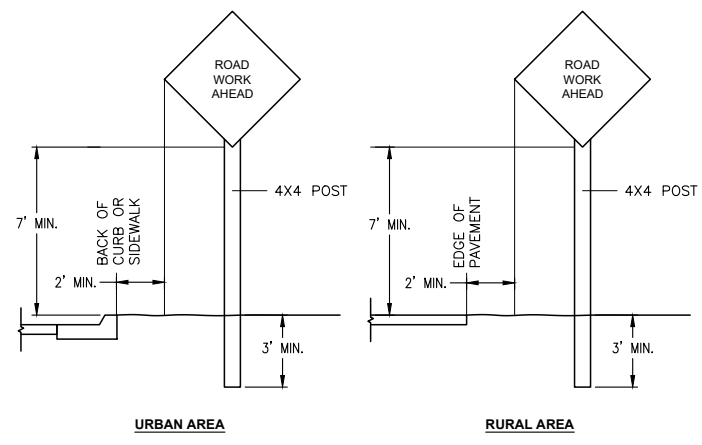
- POST MOUNTED
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



**1 TYPICAL CONSTRUCTION SIGN LOCATIONS**  
NOT TO SCALE

Road Name	Road ID	Location	Post Mile		CONSTRUCTION AREA SIGNS			PROJECT INFO SIGNS	PORTABLE CHANGEABLE MESSAGE SIGNS	
					SIGN CODES		POST TYPE	POST TYPE		
					W20-1 (48"x48") EACH	G20-2 (36"x36") EACH	WOOD POST (4" x 4") EACH	WOOD POST (4" x 4") EACH		
Alpine Rd	87001	Calistoga Rd to End of Co. Maintained	10.00	10.86	1	1	2	1	2	2- Calistoga Rd
Bardy Area	Various	Varies	Varies		1	1	2	1	1	1- Bennett Valley Rd
Cavedale Rd	66032	Hwy 12 to Trinity Rd	10.00	17.50	1	1	2	2	1	1- Hwy 12
Donner Dr	88060	Wilshire Dr to Cul De Sac	10.00	10.29	1	1	2	1	1	1- Wilshire Rd
Dunbar Area	Various	Varies	Varies		7	7	14	5	2	1- Arnold Dr 1- Dunbar Rd
Lawndale Area	Various	Varies	Varies		3	3	6	3	3	1- Lawndale Rd 2- Warm Springs Rd
Los Alamos Rd	77005	City of Santa Rosa Limits to End of Co. Maint.	10.94	15.00	1	1	2	1	1	1- Los Alamos Rd
Lovall Valley Area	Various	Varies	Varies		3	3	6	2	3	1- 7th St E, 1- Old Winery Rd 1- Lovall Valley Rd
Moon Mountain Dr	66031	Hwy 12 to End of Co. Maint.	10.00	11.52	1	1	2	1	1	1- Hwy 12
Mountain Home Ranch Rd	87002	End of Co. Maint. to Petrified Forest Rd	20.00	22.05	2	2	4	1	2	2- Petrified Forest Rd
Nelligan Rd	66059	Nuns Canyon Rd to End of Co. Maint.	10.00	12.2	1	1	2	1	1	1- Nuns Canyon Rd
Riebli Rd	88001	Hidden Hills Dr to Wallace Rd	11.62	12.53	1	1	2	1	1	1- Riebli Rd
Trinity Rd	6603	Manzanita Ln to Napa Co. Line	12.08	14.75	2	2	4	2	2	2- Trinity Rd
Wallace Rd	77067	City of Santa Rosa limits to End of Co. Maint.	10.20	11.75	1	1	2	1	1	1- Wallace
<b>TOTALS</b>					<b>26</b>	<b>26</b>	<b>52</b>	<b>23</b>	<b>22</b>	

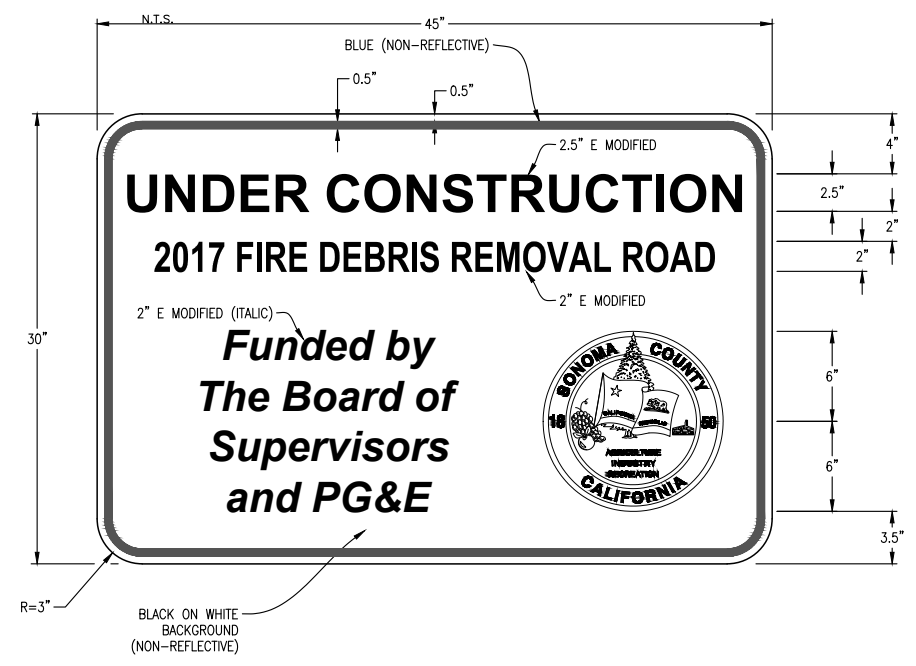
**2 CONSTRUCTION AREA SIGN, PROJECT INFO SIGN, AND PCMS SUMMARY**  
NOT TO SCALE



**CONSTRUCTION SIGNING NOTES:**

1. SIGNS SHOWN ON THIS PLAN ARE TO BE STATIONARY MOUNTED UNLESS OTHERWISE NOTED.
2. SIGN LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. ALL SIGNS TO BE FIELD LOCATED BY ENGINEER.
3. SIGN PANELS AND POSTS FOR POST MOUNTED SIGNS TO BE FURNISHED BY THE CONTRACTOR.
4. ALL POST MOUNTED SIGNS SHOWN ON THIS PLAN ARE TO BE PLACED BEFORE ANY OF THE WORK INCLUDED IN THIS CONTRACT COMMENCES.
5. CONSTRUCTION AREA SIGNS SHALL HAVE HIGH INTENSITY RETRO-REFLECTIVE SHEETING.
6. ADDITIONAL SIGNS (POST MOUNTED AND/OR PORTABLE) MAY BE REQUIRED DURING VARIOUS STAGES OF WORK. PORTABLE SIGNS TO BE SUPPLIED BY THE CONTRACTOR.
7. PRIOR TO DIGGING, CONTRACTOR SHALL VERIFY THE EXISTENCE OF ANY CONFLICTING EXISTING UTILITIES.
8. ALL SIGNS TO BE PLACED WITHIN COUNTY R/W. CONTRACTOR TO OBTAIN PERMIT FOR ANY SIGN PLACED WITHIN NON-COUNTY R/W.

**3 TYPICAL CONSTRUCTION SIGN PLACEMENT**  
NOT TO SCALE



**4 PROJECT INFORMATION SIGN**  
NOT TO SCALE

**TABLE 6H-3. RECOMMENDED ADVANCE WARNING SIGN SPACING CALIFORNIA MUTCD 2014 EDITION (PAGE 1136)**

ROAD TYPE	DISTANCE BETWEEN SIGNS**		
	A	B	C
URBAN - 25 MPH or LESS***	100 Ft	100 Ft	100 Ft
URBAN - MORE THAN 25 MPH TO 40 MPH***	250 Ft	250 Ft	250 Ft
URBAN - MORE THAN 40 MPH***	350 Ft	350 Ft	350 Ft
RURAL	500 Ft	500 Ft	500 Ft
EXPRESSWAY/FREEWAY	1,000 Ft	1,500 Ft	2,640 Ft

\*\* THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSION SHOWN IN FIGURES 6H-1 THROUGH 6H-46 (SEE 2014 CA MUTCD). THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGN. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

\*\*\* POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR OTHER ANTICIPATED OPERATING SPEED IN MPH.

**5 ADVANCE WARNING SIGN SPACING**  
NOT TO SCALE

Date: 2/23/2022 10:58 AM Project: 2021-22 2017 Fire Debris Damaged Roads Paving Project - 100% Design - 2021-22 2017 Fire Debris Damaged Roads Paving Project - 100% Design - 2021-22

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 REGISTERED CIVIL ENGINEER  
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 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

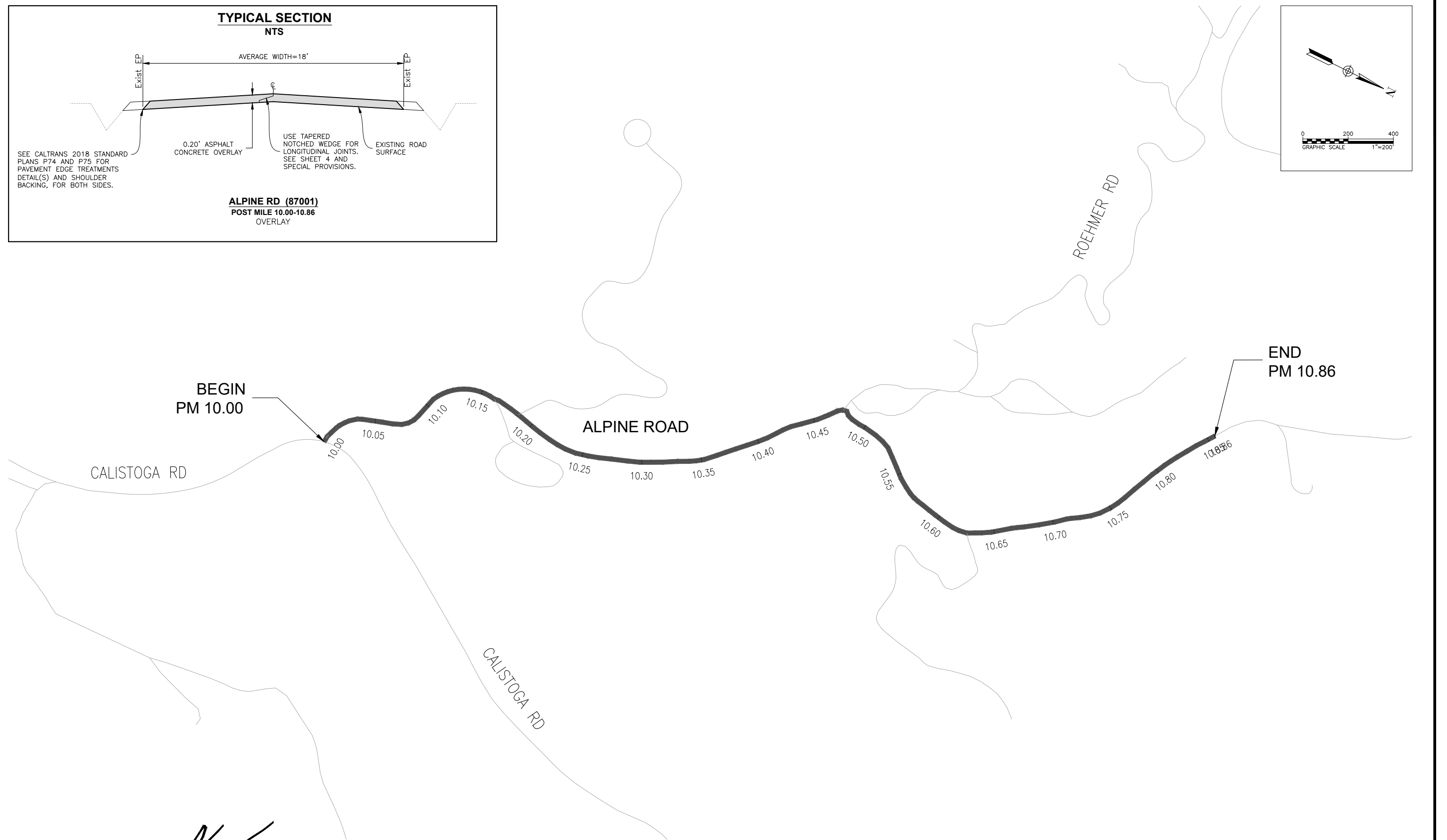
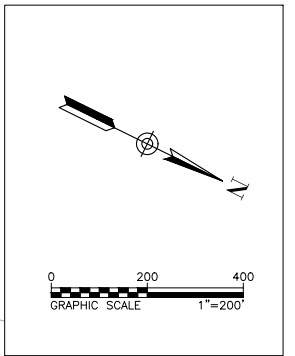
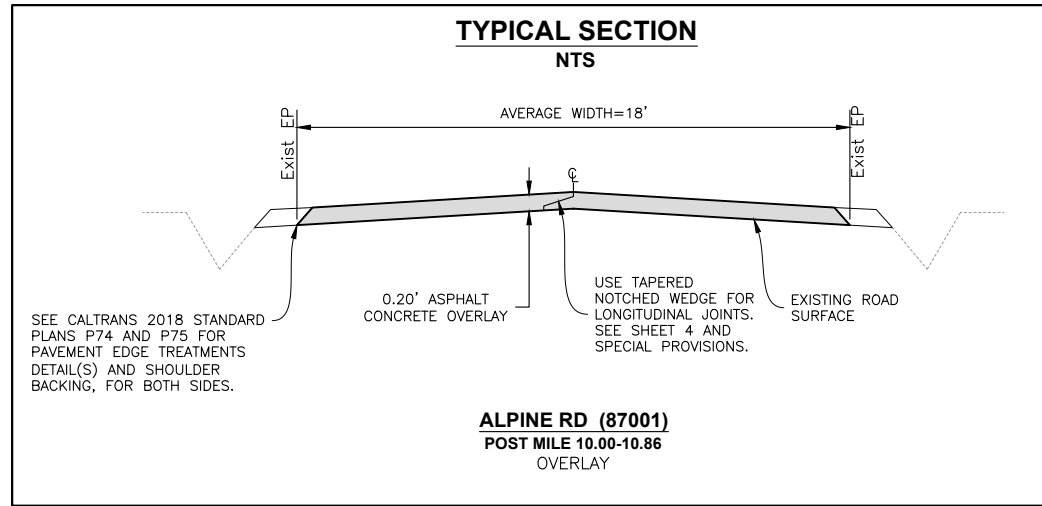


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT  
**CONSTRUCTION AREA SIGN DETAILS**

ROAD NUMBER	N/A
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	8
TOTAL SHEETS	65





Project: S:\DRAFTING\Design\Projects\22201 - Tr 1 Project\CAD Files\Sheet 61 (2021)1.rvt - 1 - Alpine Rd Overlay - 10/20/2022 10:16:56

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CHECKED BY	HGM

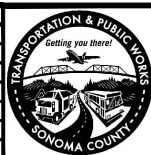
REGISTERED CIVIL ENGINEER



PLANS APPROVAL DATE  
2/23/2022

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RESIDENT ENGINEER	
AS BUILT DRAWINGS BY:	

DATE	REVISION	BY	APPROVED



**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	87001
<b>LAYOUT ALPINE RD (87001)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	9
		TOTAL SHEETS	65



SHOULDER BACKING	
ALPINE ROAD (87001) PM 10.00 - 10.86	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	11
*NEW EP DEPTH IS EXISTING EP DEPTH PLUS OVERLAY DEPTH	

REPLACE ASPHALT CONCRETE SURFACING		
ALPINE ROAD (87001) PM 10.00 - 10.86		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	68
<b>TOTAL</b>		<b>68</b>

THERMOPLASTIC PAVEMENT MARKINGS			
ALPINE ROAD (87001) PM 10.00 - 10.86			
POST MILE	LOCATION	WORDS	LINES
		STOP	12" WHITE
		22 SF	
10.006	LT		25
10.008	LT	1	
<b>TOTAL COUNT</b>		<b>1</b>	<b>25</b>
<b>ITEM TOTAL</b>		<b>22</b>	<b>25</b>
<b>TOTAL</b>			<b>47</b>

OVERLAY ASPHALT CONCRETE						
ALPINE ROAD (87001) PM 10.00 - 10.86						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.002	10.013	0.011	56	3360	772.8	57.96
10.013	10.019	0.006	27	855	197	15
10.019	10.030	0.011	27	1568	361	27
10.030	10.072	0.042	17	3770	867	65
10.072	10.075	BRIDGE (NO ROAD TREATMENT)				
10.075	10.222	0.147	17	13195	3035	228
10.222	10.483	0.261	18	24805	5705	428
10.483	10.853	0.370	15	29304	6740	505
10.853	10.856	0.003	15	238	55	4
<b>TOTAL</b>						<b>1257</b>

COLD PLANE ASPHALT CONCRETE						
ALPINE ROAD (87001) PM 10.00 - 10.86						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.003	10.012	BEGIN PROJECT	LONGITUDINAL	56	50	311
10.063	10.072	BEGIN OF BRIDGE	BRIDGE	17	50	94
10.075	10.084	END OF BRIDGE	BRIDGE	17	50	94
10.851	10.860	END PROJECT	LONGITUDINAL	15	50	83
<b>TOTAL</b>						<b>582</b>

MIDWEST GUARDRAIL SYSTEM							
ALPINE ROAD (87001) PM 10.00 - 10.86							
POSTMILE		LOCATION	INSTALL MIDWEST GUARDRAIL SYSTEM	END ANCHOR ASSEMBLY	TERMINAL SECTION	REMOVE GUARDRAIL	COMMENTS
FROM	TO			SFT	TYPE C	LF	
			LF	EA	EA	LF	
10.066	10.073	RT	25	2	2	37.5	ON APPROACH ADD SFT WITH END CAP TYPE C, SFT WITH RADIUS AND END CAP TYPE C ON TRAILING END. SPANS ACROSS BOX CULVERT.
10.069	10.080	LT	37.5	2	2	50	ON APPROACH ADD SFT WITH RADIUS AND END CAP TYPE C, SFT WITH END CAP TYPE C ON TRAILING END. SPANS ACROSS BOX CULVERT.
<b>TOTAL</b>			<b>62.5</b>	<b>4</b>	<b>4</b>	<b>87.5</b>	

MISCELLANEOUS ASPHALT CONCRETE							
ALPINE ROAD (87001) PM 10.00 - 10.86							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.076	RT	5701 ALPINE RD	1	19	10	22	3
10.083	RT	5701 ALPINE RD	1	26	10	29	4
10.165	RT	5701 ALPINE RD	1	37	10	42	6
10.185	LT	5580 ALPINE RD	1	17	10	19	3
10.550	LT	FIELD ENTRANCE	1	22	10	25	4
10.619	RT	FIELD ENTRANCE	1	24	10	27	4
10.619	LT	FIELD ENTRANCE	1	18	10	20	3
<b>TOTAL</b>						<b>184</b>	<b>27</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

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 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE

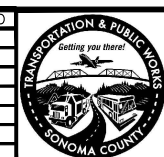


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DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED:

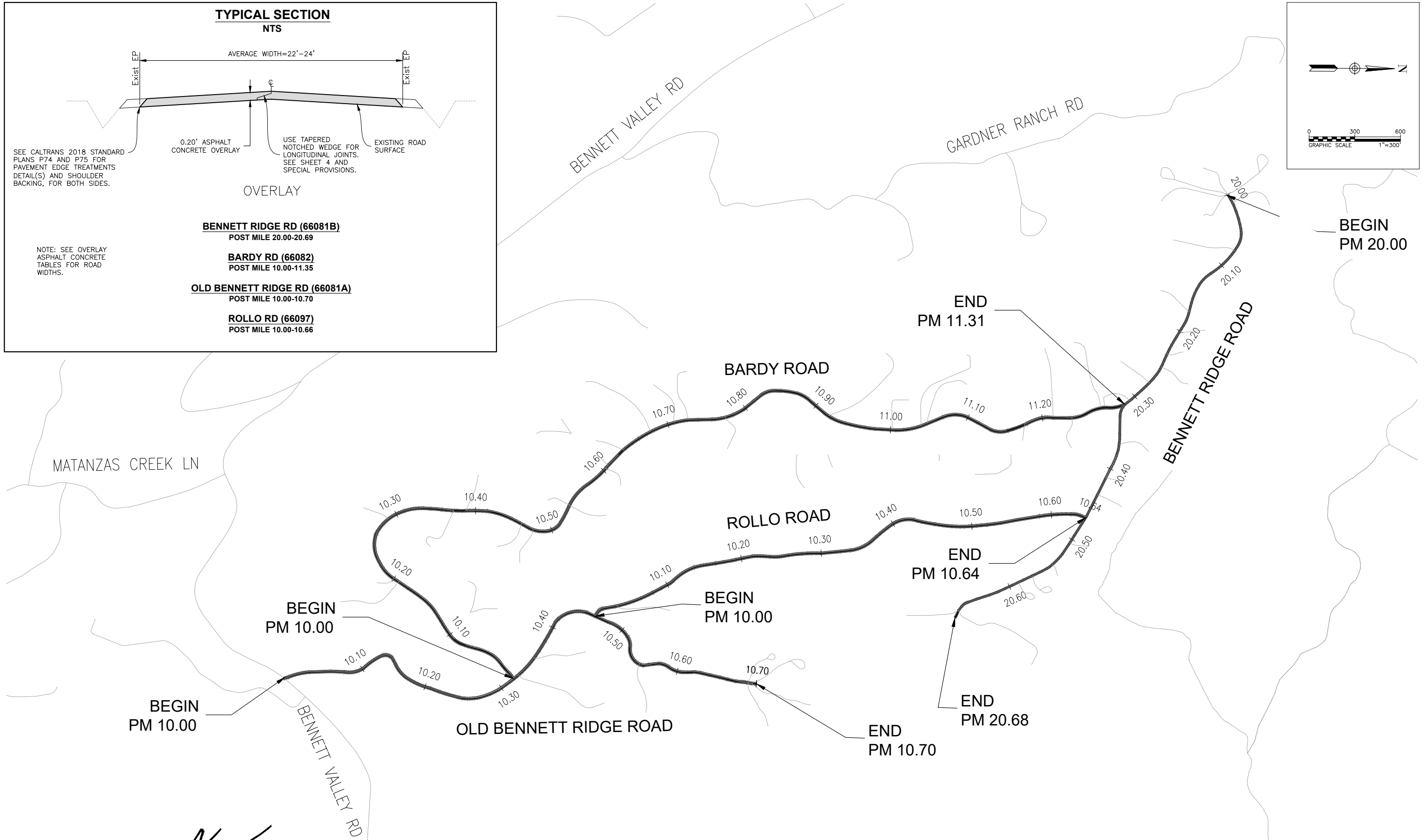
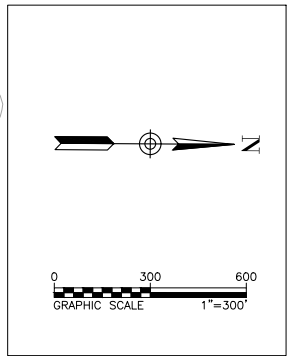
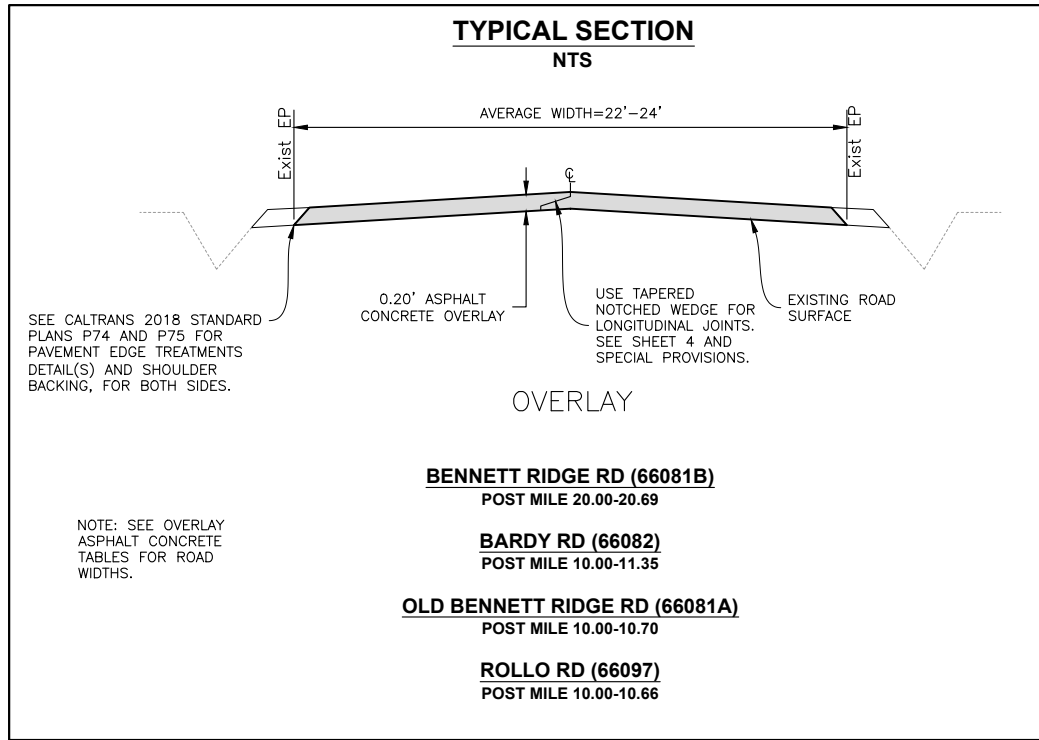
RESIDENT ENGINEER \_\_\_\_\_

AS BUILT DRAWINGS BY: \_\_\_\_\_


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	87001
<b>QUANTITY SUMMARIES ALPINE RD (87001)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	10
		TOTAL SHEETS	65





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 Plot Date: 02/23/2022 10:23:00 AM  
 Plot Scale: 1"=300'

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DRAWING BY	CR
CHECKED BY	HGM

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 CIVIL  
 STATE OF CALIFORNIA

2/23/2022  
 PLANS APPROVAL DATE

**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**

DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER \_\_\_\_\_

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**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	VARIES
<b>LAYOUT BARDY AREA (VARIES)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	11
		TOTAL SHEETS	65



SHOULDER BACKING	
BARDY ROAD (66082) - PM 10.00 - 11.35	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	143

REPLACE ASPHALT CONCRETE SURFACING		
BARDY ROAD (66082) - PM 10.00 - 11.35		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	519
<b>TOTAL</b>		<b>519</b>

ADJUST EXISTING FACILITIES TO GRADE				
BARDY ROAD (66082) - PM 10.00 - 11.35				
POST MILE	LOCATION	CENTERLINE OFFSET	SURVEY MONUMENT	WATER VALVE
		FT	EA	EA
10.020	LT	6		2
10.272	LT	8		1
10.303	LT	8		1
10.349	CL		1	
10.394	CL		1	
10.457	LT	8		1
10.500	LT	10		1
10.566	LT	9		1
10.590	LT	9		1
10.604	LT	9		1
10.685	LT	10		1
10.725	LT	9		1
10.816	LT	2	1	
10.885	LT	10		3
11.038	RT	2	1	
11.101	RT	9	1	
<b>TOTALS</b>			<b>5</b>	<b>14</b>

THERMOPLASTIC PAVEMENT MARKINGS			
BARDY ROAD (66082) - PM 10.00 - 11.35			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
		22 SF	
10.002	LT		32
10.005	LT	1	
11.298	RT	1	
11.301	RT		22
<b>TOTAL COUNT</b>		<b>2</b>	<b>54</b>
<b>ITEM TOTAL</b>		<b>44</b>	<b>54</b>
<b>TOTAL</b>			<b>98</b>

OVERLAY ASPHALT CONCRETE							
BARDY ROAD (66082) - PM 10.00 - 11.35							
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE	
FROM	TO	MILE	LF	SF	CF	TONS	
10.002	10.014	0.012	56	3687	848	64	
10.014	10.100	0.086	23	10444	2402	180	
10.100	10.120	0.020	26	2693	619	46	
10.120	10.260	0.140	28	20698	4760	357	
10.260	10.270	0.010	25	1320	304	23	
10.270	10.390	0.120	24	15206	3497	262	
10.390	10.700	0.310	23	37646	8659	649	
10.700	10.860	0.160	22	18586	4275	321	
10.860	10.928	0.068	25	8976	2064	155	
10.928	10.932	0.004	VALLEY GUTTER (NO ROAD TREATMENT)				
10.932	11.341	0.409	22	47509	10927	820	
11.341	11.350	0.009	46	2300	529	40	
<b>TOTAL</b>						<b>2916</b>	

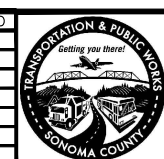
THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS							
BARDY ROAD (66082) - PM 10.00 - 11.35							
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES		PAVEMENT MARKERS	
				4" LINE	4" LINE	TYPE D	BLUE
				WHITE	YELLOW		
FROM	TO	LF	LF	EA	EA		
22	CL	10.002	11.301	-	13717	574	
27B	LT	10.009	11.301	6822	-	-	
27B	RT	10.009	11.301	6822	-	-	
BLUE RPM	RT	10.020		-	-	-	1
BLUE RPM	LT	10.272		-	-	-	1
BLUE RPM	LT	10.500		-	-	-	1
BLUE RPM	LT	10.604		-	-	-	1
BLUE RPM	LT	10.685		-	-	-	1
BLUE RPM	RT	10.885		-	-	-	1
BLUE RPM	LT	11.018		-	-	-	1
BLUE RPM	RT	11.167		-	-	-	1
BLUE RPM	RT	11.298		-	-	-	1
<b>TOTAL</b>				<b>13644</b>	<b>13717</b>	<b>574</b>	<b>9</b>

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
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 2/23/2022  
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DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66082
<b>QUANTITY SUMMARIES 1 OF 2 BARDY RD (66082)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	12
		TOTAL SHEETS	65

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TABLE CONTINUED FROM LEFT

MISCELLANEOUS ASPHALT CONCRETE							
BARDY ROAD (66082) - PM 10.00 - 11.35							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.088	LT	2952 BARDY RD	1	19	10	22	3
10.094	RT	2955 BARDY RD	1	19	10	22	3
10.117	LT	2944 BARDY RD	1	23	10	26	4
10.176	LT	2934 BARDY RD	1	29	10	33	5
10.195	LT	2928 BARDY RD	2	27	SEE COLD PLANE AC TABLE		
10.200	LT	2920 BARDY RD (LT)	1	20	10	23	3
10.216	LT	2920 BARDY RD (RT)	1	26	10	29	4
10.229	LT	2920 BARDY RD (Field Entrance)	1	15	10	17	3
10.239	LT	2912 BARDY RD	1	22	10	25	4
10.284	LT	2904 BARDY RD	1	22	10	25	4
10.320	LT	2896 BARDY RD	1	33	10	37	5
10.351	LT	2888 BARDY RD	1	32	10	36	5
10.369	RT	2887 BARDY RD	1	20	10	23	3
10.385	LT	2880 BARDY RD	1	29	10	33	5
10.458	RT	2885 BARDY RD	1	15	10	17	3
10.475	RT		1	15	10	17	3
10.529	RT	2867 BARDY RD	1	17	10	19	3
10.539	RT		1	37	10	42	6
10.539	LT	2872 BARDY RD	1	17	10	19	3
10.553	LT	2864 BARDY RD (LT)	1	22	10	25	4
10.564	RT	2855 BARDY RD	1	12	10	14	2
10.590	LT	2864 BARDY RD (RT)	1	24	10	27	4
10.609	RT	2841 BARDY RD	1	18	10	20	3
10.609	LT	2852 BARDY RD	1	25	10	28	4
10.622	LT	2848 BARDY RD (LT)	1	21	10	24	4
10.640	LT	2848 BARDY RD (RT)	1	40	10	45	6
10.658	RT	2835 BARDY RD	1	28	10	32	5
10.676	LT	2840 BARDY RD	1	25	10	28	4
10.705	LT	2832 BARDY RD	1	22	10	25	4
10.725	LT	2824 BARDY RD	1	25	10	28	4
10.771	RT	2327 BARDY RD	1	18	10	20	3
10.783	LT	2820 BARDY RD	1	20	10	23	3
10.865	LT	2816 BARDY RD	1	25	10	28	4
10.874	RT	2815 BARDY RD	1	20	10	23	3
10.883	LT	2810 BARDY RD	1	25	10	28	4
10.888	RT	2809 BARDY RD	1	40	10	45	6
10.912	LT	Field Entrance	1	15	10	17	3
10.919	LT	2806 BARDY RD	1	25	10	28	4
10.926	RT	2805 BARDY RD	1	15	10	17	3
11.001	LT	2800 BARDY RD	1	22	10	25	4
11.005	RT	2789 BARDY RD	1	12	10	14	2
11.041	LT	2780 BARDY RD	1	40	10	45	6
11.048	LT	2750 BARDY RD	1	15	10	17	3
11.069	RT	2775 BARDY RD	1	10	10	12	2
11.123	LT	2720 BARDY RD	1	15	10	17	3
11.153	RT	2725 BARDY RD	1	25	10	28	4

TABLE CONTINUED TOP RIGHT

MISCELLANEOUS ASPHALT CONCRETE							
BARDY ROAD (66082) - PM 10.00 - 11.35							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
11.165	LT	2710 BARDY RD	1	15	10	17	3
11.177	RT		1	15	10	17	3
11.203	LT	2700 BARDY RD	1	15	10	17	3
11.216	LT	2690 BARDY RD	1	20	10	23	3
11.224	LT		1	15	10	17	3
11.241	RT	2685 BARDY RD	1	15	10	17	3
11.258	RT	Field Entrance	1	20	10	23	3
11.276	LT	2670 BARDY RD	1	25	10	28	4
11.282	LT	2640 BARDY RD	1	25	10	28	4
<b>TOTAL</b>						<b>1335</b>	<b>199</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

COLD PLANE ASPHALT CONCRETE						
BARDY ROAD (66082) - PM 10.00 - 11.35						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.195		LT, 2928 BARDY RD	DRIVEWAY (TYPE 2)	27	4	12
10.919	10.928	BEGIN VALLEY GUTTER	LONGITUDINAL	22	50	122
10.932	10.941	END VALLEY GUTTER	LONGITUDINAL	22	50	122
<b>TOTAL</b>						<b>256</b>

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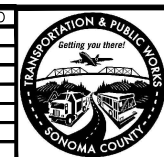
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED
CONSTRUCTION COMPLETED:			
RESIDENT ENGINEER AS BUILT DRAWINGS BY:			

DATE	REVISION	BY	APPROVED

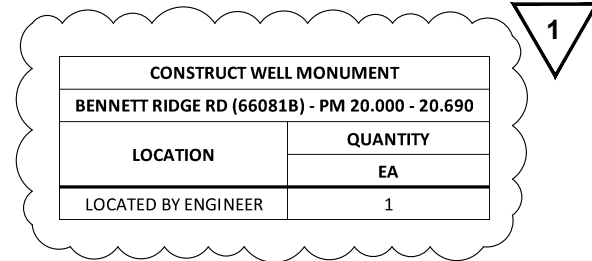

**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66082
<b>QUANTITY SUMMARIES 2 OF 2 BARDY RD (66082)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	13
		TOTAL SHEETS	65



COLD PLANE ASPHALT CONCRETE					
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690					
POST MILE	LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
			LF	LF	SY
20.073	RT, 2560 BENNETT RIDGE RD	DRIVEWAY (TYPE 2)	20	4	9
20.433	LT, 2683 BENNETT RIDGE RD	DRIVEWAY (TYPE 2)	53	4	24
20.690	END PROJECT	LONGITUDINAL	24	50	133
<b>TOTAL</b>					<b>166</b>

ADJUST EXISTING FACILITIES TO GRADE			
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690			
POST MILE	LOCATION	CENTERLINE OFFSET	SURVEY MONUMENT
		FT	EA
20.165	LT	4	1
20.239	CL		1
20.510	RT	1	1
<b>TOTALS</b>			<b>3</b>



OVERLAY ASPHALT CONCRETE						
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
CUL-DE-SAC				5027	1156	87
20.008	20.013	0.01	31	915	210	16
20.013	20.200	0.19	21	20735	4769	358
20.200	20.330	0.13	22	15101	3473	260
20.330	20.680	0.35	22	40656	9351	701
20.684	20.690	0.01	24	705	162	12
<b>TOTAL</b>					<b>1434</b>	

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS							
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690							
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES		PAVEMENT MARKERS	
				4" LINE WHITE	4" LINE YELLOW	TYPE D	BLUE
		FROM	TO	LF	LF	EA	EA
27B	RT	20.012	20.310	1573	-	-	
22	CL	20.013	20.310	-	3136	134	
27B	LT	20.014	20.653	3374	-	-	
Blue RPM	LT	20.170		-	-	-	1
22	CL	20.321	20.460	-	1468	64	
Blue RPM	RT	20.321		-	-	-	
27B	RT	20.323	20.459	718	-	-	
Blue RPM	LT	20.450		-	-	-	1
22	CL	20.467	20.653	-	1964	84	
27B	RT	20.472	20.653	956	-	-	
Blue RPM	LT	20.596		-	-	-	1
Blue RPM	RT	20.675		-	-	-	1
<b>TOTAL</b>				<b>6621</b>	<b>6568</b>	<b>282</b>	<b>4</b>

MISCELLANEOUS ASPHALT CONCRETE							
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
20.000	LT	2525 BENNETT RIDGE RD	1	15	10	17	3
20.000	LT	2515 BENNETT RIDGE RD	1	15	10	17	3
20.000	RT	2530 BENNETT RIDGE RD	1	15	10	17	3
20.000	RT	2540 BENNETT RIDGE RD	1	12	10	14	2
20.000	RT	2550 BENNETT RIDGE RD	1	13	10	15	2
20.012	LT	2545 BENNETT RIDGE RD	1	14	10	16	3
20.037	LT	2555 BENNETT RIDGE RD (LT)	1	20	10	23	3
20.057	LT	2555 BENNETT RIDGE RD (RT)	1	20	10	23	3
20.073	RT	2560 BENNETT RIDGE RD	1	20	SEE COLD PLANE AC TABLE		
20.137	RT	2570 BENNETT RIDGE RD	1	24	10	27	4
20.138	LT	2575 BENNETT RIDGE RD (LT)	1	30	10	34	5
20.170	RT	2590 BENNETT RIDGE RD	1	18	10	20	3
20.177	LT	2575 BENNETT RIDGE RD (RT)	1	20	10	23	3
20.196	LT	2585 BENNETT RIDGE RD	1	25	10	28	4
20.229	RT	2610 BENNETT RIDGE RD	1	20	10	23	3
20.230	LT	2605 BENNETT RIDGE RD	1	20	10	23	3
20.247	LT	2625 BENNETT RIDGE RD	1	18	10	20	3
20.271	RT		1	17	10	19	3
20.297	LT	2645 BENNETT RIDGE RD	1	46	10	52	7
20.302	RT	2640 BENNETT RIDGE RD	1	28	10	32	5
20.332	RT	2650 BENNETT RIDGE RD	1	14	10	16	3
20.358	LT	2655 BENNETT RIDGE RD	1	24	10	27	4
20.378	RT		1	17	10	19	3
20.396	LT	2663 BENNETT RIDGE RD (LT)	1	22	10	25	4
20.409	LT	2663 BENNETT RIDGE RD (RT)	1	32	10	36	5
20.433	LT	2683 BENNETT RIDGE RD	1	53	SEE COLD PLANE AC TABLE		
20.500	LT	2629 BENNETT RIDGE RD	1	23	10	26	4
20.507	RT	2700 BENNETT RIDGE RD (RT)	1	24	10	27	4
20.522	RT	2700 BENNETT RIDGE RD (LT)	1	17	10	19	3
20.537	LT	2707 BENNETT RIDGE RD	1	35	10	39	6
20.559	RT	2710 BENNETT RIDGE RD	1	22	10	25	4
20.565	LT	2715 BENNETT RIDGE RD	1	27	10	30	5
20.584	RT	2720 BENNETT RIDGE RD	1	17	10	19	3
20.584	LT		1	12	10	14	2
20.642	LT	2727 BENNETT RIDGE RD	1	22	10	25	4
20.665	RT	2742 BENNETT RIDGE RD	1	30	10	34	5
20.671	RT		1	30	10	34	5
20.667	LT		1	15	10	17	3
20.671	LT	2733 BENNETT RIDGE RD	1	28	10	32	5
<b>TOTAL</b>						<b>907</b>	<b>137</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

SHOULDER BACKING	
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690	
MULTIPLE LOCATIONS	QUANTITY
LOCATED BY ENGINEER	72

REPLACE ASPHALT CONCRETE SURFACING		
BENNETT RIDGE RD (66081B) - PM 20.000 - 20.690		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	7
<b>TOTAL</b>		<b>7</b>

ADDENDUM NO. 1

Project: S:\DRA\66081B\Design\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project (Site 1) Project\100 Plan\Project Plans\01 - Quantities.dwg, Plot Date: Mar 24, 2022 at 10:37

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

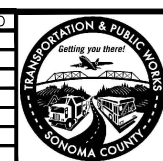
  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	SBU

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER AS BUILT DRAWINGS BY:


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66081B
		BUDGET NUMBER	C22101
<b>QUANTITY SUMMARIES BENNETT RIDGE RD (66081B)</b>		FISCAL YEAR	2021-22
		SHEET NUMBER	14
		TOTAL SHEETS	65



SHOULDER BACKING	
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	38

REPLACE ASPHALT CONCRETE SURFACING		
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	199
TOTAL		199

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS							
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700							
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES		PAVEMENT MARKERS	
				4" LINE WHITE	4" LINE YELLOW	TYPE D EA	BLUE EA
		FROM	TO	LF	LF	EA	EA
22	CL	10.002	10.317	-	3326	142	
27B	LT	10.014	10.314	1584	-	-	
27B	RT	10.019	10.684	3511	-	-	
22	CL	10.327	10.459	-	1394	62	
27B	LT	10.331	10.454	649	-	-	
22	CL	10.467	10.684	-	2292	98	
27B	LT	10.471	10.684	1125	-	-	
BLUE RPM	LT	10.675		-	-	-	1
TOTAL				6869	7012	302	1

ADJUST EXISTING FACILITIES TO GRADE				
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700				
POST MILE	LOCATION	CENTERLINE OFFSET	SURVEY MONUMENT	WATER VALVE
		FT	EA	EA
10.321	RT	4 & 11	1	1
10.576	LT	10		1
10.695	CL		1	
TOTALS			2	2

THERMOPLASTIC PAVEMENT MARKINGS			
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
10.002	LT		22
10.005	LT	1	
10.467	LT		16
10.469	LT	1	
TOTAL COUNT		2	38
ITEM TOTAL		44	38
TOTAL		82	

MISCELLANEOUS ASPHALT CONCRETE							
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.014	RT	2987 OLD BENNETT RIDGE RD	1	15	10	17	3
10.273	RT	2969 OLD BENNETT RIDGE RD	1	18	10	20	4
10.302	RT	2955 OLD BENNETT RIDGE RD	1	12	10	14	3
10.327	RT	2945 OLD BENNETT RIDGE RD	1	18	10	20	4
10.358	RT	2943 OLD BENNETT RIDGE RD	1	20	10	23	4
10.498	LT	FIELD ENTRANCE	1	12	10	14	3
10.551	RT	2927 OLD BENNETT RIDGE RD	1	20	10	23	4
10.583	LT	2924 OLD BENNETT RIDGE RD	1	15	10	17	3
10.594	RT	2923 OLD BENNETT RIDGE RD	1	18	10	20	4
10.655	RT	2915 OLD BENNETT RIDGE RD	2	15		SEE COLD PLANE AC TABLE	
10.667	RT	2909 OLD BENNETT RIDGE RD (RT)	2	30		SEE COLD PLANE AC TABLE	
10.691	RT	2909 OLD BENNETT RIDGE RD (LT)	1	25	10	28	5
10.691	LT	2912 OLD BENNETT RIDGE RD	2	25		SEE COLD PLANE AC TABLE	
10.700	RT	2901 OLD BENNETT RIDGE RD	1	10	10	12	2
10.700	LT	2900 OLD BENNETT RIDGE RD	1	10	10	12	2
TOTAL						220	41

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

OVERLAY ASPHALT CONCRETE						
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700						
POST MILE	ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPHALT CONCRETE	
					FROM	TO
10.002	10.015	0.01	61	4235	974	73
10.015	10.048	0.03	21	3659	842	63
10.048	10.250	0.20	22	23464	5397	405
10.250	10.320	0.07	24	8870	2040	153
10.320	10.340	0.02	24	2534	583	44
10.340	10.470	0.13	24	16474	3789	284
10.470	10.650	0.18	22	20909	4809	361
10.650	10.660	0.01	31	1637	376	28
CUL-DE-SAC			4418	1016	76	
TOTAL					1487	

COLD PLANE ASPHALT CONCRETE					
OLD BENNETT RIDGE RD (66081A) - PM 10.000 - 10.700					
POST MILE	LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
			LF	LF	SY
10.002	BENNETT VALLEY RD & OLD BENNETT RIDGE RD	LONGITUDINAL	50	61	339
10.655	RT, 2915 OLD BENNETT RIDGE RD	DRIVEWAY (TYPE 2)	4	15	7
10.667	RT, 2909 OLD BENNETT RIDGE RD	DRIVEWAY (TYPE 2)	4	30	13
10.691	LT, 2912 OLD BENNETT RIDGE RD	DRIVEWAY (TYPE 2)	4	25	11
TOTAL					31

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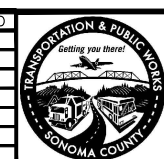
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE  
 COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66081A
QUANTITY SUMMARIES OLD BENNETT RIDGE RD (66081A)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	15
		TOTAL SHEETS	65



ADJUST EXISTING FACILITIES TO GRADE				
ROLLO RD (66097) - PM 10.000 - 10.660				
POST MILE	LOCATION	CENTERLINE OFFSET	SURVEY MONUMENT	WATER VALVE
		FT	EA	EA
10.085	RT	9		1
10.144	RT	2	1	
10.215	RT	4	1	
10.236	RT	11		1
10.511	RT	11		1
10.641	RT	8		1
TOTALS			2	4

THERMOPLASTIC PAVEMENT MARKINGS			
ROLLO RD (66097) - PM 10.000 - 10.660			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
10.640	RT	1	
10.641	RT		20
TOTAL COUNT		1	20
ITEM TOTAL		22	20
TOTAL		42	

SHOULDER BACKING	
ROLLO RD (66097) - PM 10.000 - 10.660	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	81

REPLACE ASPHALT CONCRETE SURFACING		
ROLLO RD (66097) - PM 10.000 - 10.660		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	7
TOTAL		7

OVERLAY ASPHALT CONCRETE						
ROLLO RD (66097) - PM 10.000 - 10.660						
POST MILE	ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE	
					FROM	TO
10.000	10.005	0.01	43	1135	261	20
10.005	10.015	0.01	22	1162	267	20
10.015	10.020	0.00	22	581	134	10
10.020	10.651	0.63	22	73297	16858	1264
10.651	10.658	0.01	44	1522	350	26
TOTAL						1340




MISCELLANEOUS ASPHALT CONCRETE							
ROLLO RD (66097) - PM 10.000 - 10.660							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.030	RT	2899 ROLLO RD	1	17	10	19	3
10.060	LT	2900 ROLLO RD	2	23	SEE COLD PLANE AC TABLE		
10.107	LT	2898 ROLLO RD	1	22	10	25	4
10.440	RT	2885 ROLLO RD	1	22	10	25	4
10.149	LT	2882 ROLLO RD	1	17	10	19	3
10.174	RT	2877 ROLLO RD	2	23	SEE COLD PLANE AC TABLE		
10.191	LT	2870 ROLLO RD	1	14	10	16	3
10.211	RT	2850 ROLLO RD	1	21	10	24	4
10.226	RT	2855 ROLLO RD	1	28	10	32	5
10.249	LT	2838 ROLLO RD	1	18	10	20	4
10.690	RT	2819 ROLLO RD (RT)	1	22	10	25	4
10.293	RT	2819 ROLLO RD (LT)	1	19	10	22	4
10.318	LT	2818 ROLLO RD	1	25	10	28	5
10.349	RT	2801 ROLLO RD	1	48	10	54	9
10.353	LT	2800 ROLLO RD	1	28	10	32	5
10.367	RT	2795 ROLLO RD	2	33	SEE COLD PLANE AC TABLE		
10.384	LT	2788 ROLLO RD	1	21	10	24	4
10.411	LT	2774 ROLLO RD	1	16	10	18	3
10.423	RT	2781 ROLLO RD	1	21	10	24	4
10.428	LT	2760 ROLLO RD	1	15	10	17	3
10.433	RT	2769 ROLLO RD	1	24	10	27	5
10.456	RT	2755 ROLLO RD	1	18	10	20	4
10.486	RT	2741 ROLLO RD	1	20	10	23	4
10.491	LT	2742 ROLLO RD	1	18	10	20	4
10.550	RT	2725 ROLLO RD	1	24	10	27	5
10.553	LT	2728 ROLLO RD	1	15	10	17	3
10.611	LT	2704 ROLLO RD	1	16	10	18	3
TOTAL						576	99

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS							
ROLLO RD (66097) - PM 10.000 - 10.660							
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES		PAVEMENT MARKERS	
				4" LINE	4" LINE	TYPE D	BLUE
				WHITE	YELLOW		
FROM	TO	LF	LF	EA	EA		
22	CL	10.005	10.612	-	6410	270	
27B	LT	10.005	10.631	3305	-	-	
27B	RT	10.005	10.634	3321	-	-	
BLUE RPM	LT	10.085		-	-	-	1
BLUE RPM	LT	10.236		-	-	-	1
BLUE RPM	LT	10.343		-	-	-	1
BLUE RPM	LT	10.511		-	-	-	1
22	CL	10.612	10.641	-	306	16	
TOTAL				6626	6716	286	4

COLD PLANE ASPHALT CONCRETE					
ROLLO RD (66097) - PM 10.000 - 10.660					
POST MILE	LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
			LF	LF	SY
10.060	LT, 2900 ROLLO RD	DRIVEWAY (TYPE 2)	23	4	10
10.174	RT, 2877 ROLLO RD	DRIVEWAY (TYPE 2)	23	4	10
10.367	RT, 2795 ROLLO RD	DRIVEWAY (TYPE 2)	33	4	15
TOTAL					35

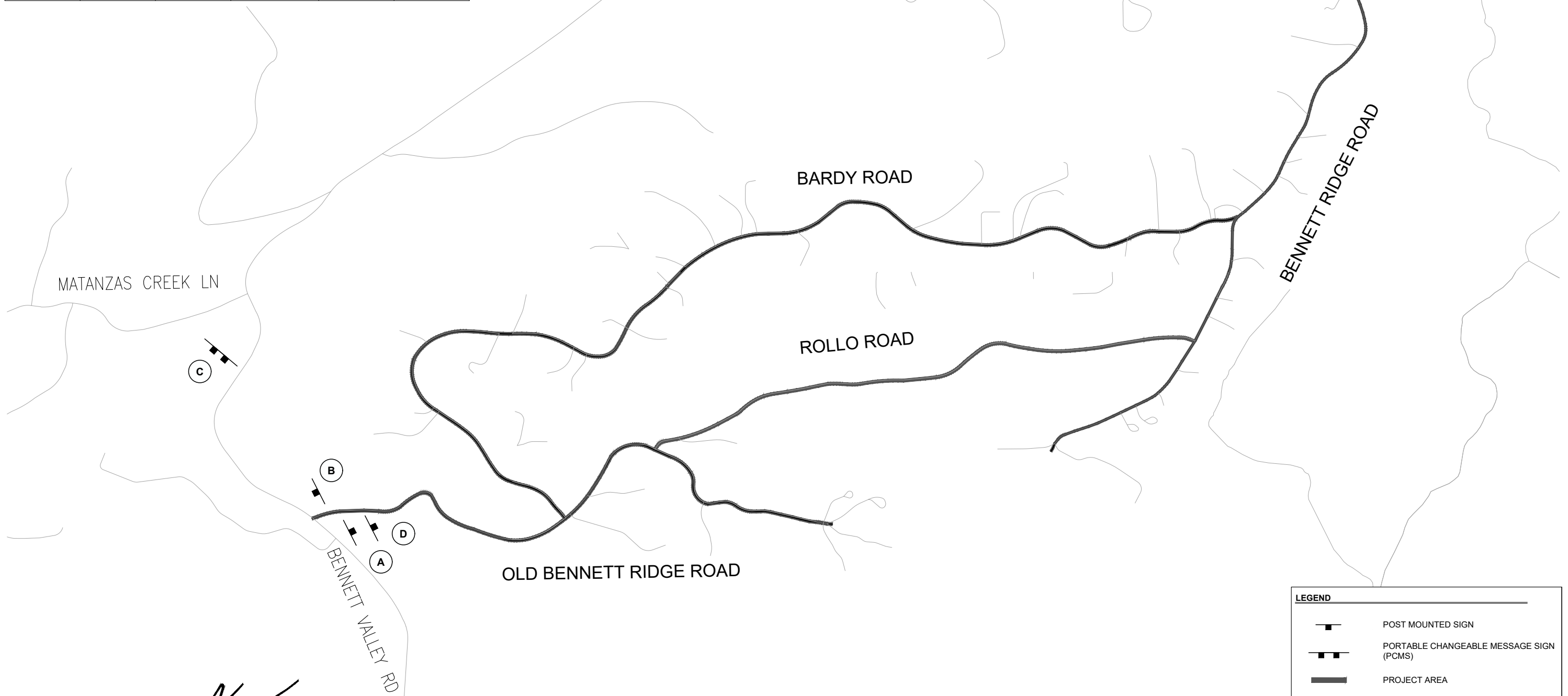
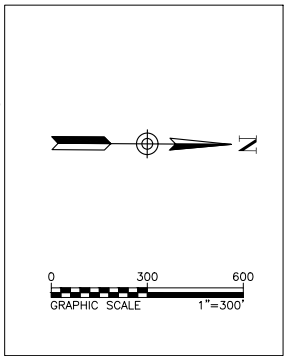
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DRAWING BY	CR			CONSTRUCTION COMPLETED:									COUNTY OF SONOMA		BUDGET NUMBER	C22101
CHECKED BY	HGM			RESIDENT ENGINEER AS BUILT DRAWINGS BY:									DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR		FISCAL YEAR	2021-22
													SHEET NUMBER	16		
													TOTAL SHEETS	65		

**QUANTITY SUMMARIES**  
**ROLLO RD (66097)**



CONSTRUCTION AREA SIGNS					
SIGN LETTER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	TOTAL NUMBER OF SIGNS
A	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 4" X 4"	1
B	G20-2	36" X 36"	END ROAD WORK	1 - 4" X 4"	1
C	PCMS	N/A	CHANGEABLE	N/A	1
D	N/A	30" X 45"	PROJECT INFORMATION SIGN	1 - 4" X 4"	1



LEGEND	
	POST MOUNTED SIGN
	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	PROJECT AREA

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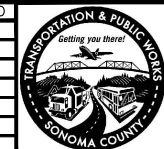
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

REGISTERED CIVIL ENGINEER
   
 2/23/2022
   
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

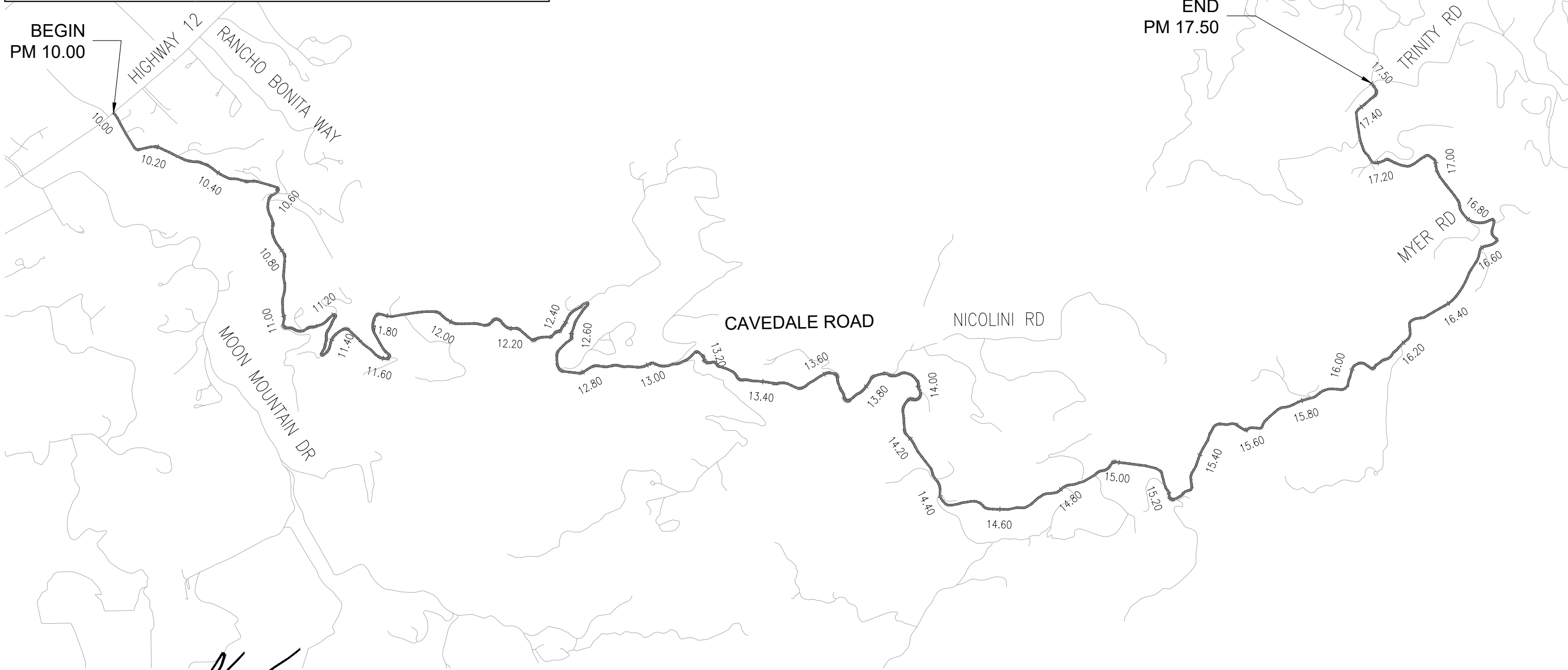
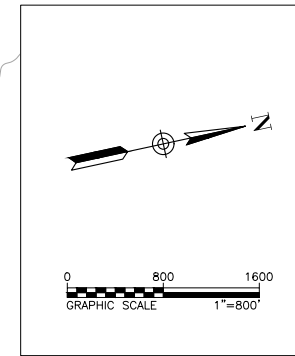
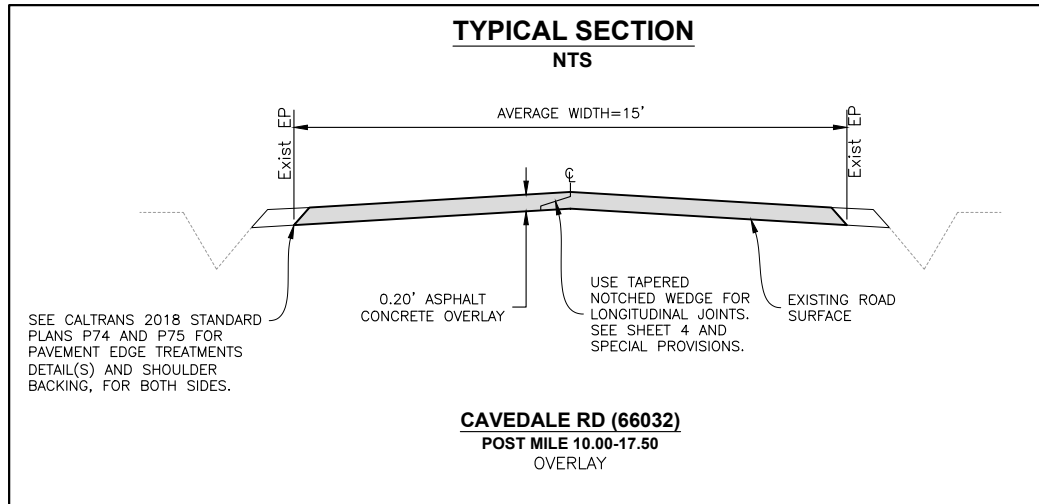
CONSTRUCTION COMPLETED: \_\_\_\_\_
   
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_



**COUNTY OF SONOMA**
  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS
   
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	VARIES
CONSTRUCTION AREA SIGNS PLAN BARDY AREA		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	17
		TOTAL SHEETS	65





Plot: S:\WORKING\Design\Drawings\66032\2201 - 18 - 1 Project\CAD\Plan\Project Plan.dwg (66032) Rev 1 - Cavedale Rd Layout Plot Date: Feb 22, 2022 at 15:39

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA



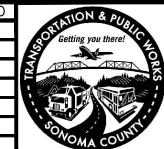
**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**

DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER \_\_\_\_\_

AS BUILT DRAWINGS BY: \_\_\_\_\_



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

**LAYOUT**  
**CAVEDALE RD (66032)**

ROAD NUMBER	66032
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	18
TOTAL SHEETS	65



<b>CONSTRUCT WELL MONUMENT</b>	
CAVEDALE RD (66032) - PM 10.000 - 17.500	
<b>LOCATION</b>	<b>QUANTITY</b>
	EA
LOCATED BY ENGINEER	18



<b>SHOULDER BACKING</b>	
CAVEDALE RD (66032) - PM 10.000 - 17.500	
<b>MULTIPLE LOCATIONS</b>	<b>QUANTITY</b>
	TON
LOCATED BY ENGINEER	358

<b>REPLACE ASPHALT CONCRETE SURFACING</b>		
CAVEDALE RD (66032) - PM 10.000 - 17.500		
<b>MULTIPLE LOCATIONS</b>	<b>DEPTH</b>	<b>VOLUME</b>
	LF	CY
LOCATED BY ENGINEER	0.33	285
	<b>TOTAL</b>	<b>285</b>

<b>ROADSIDE SIGNS</b>						
CAVEDALE RD (66032) - PM 10.000 - 17.500						
<b>SIGN CODE</b>	<b>POST MILE*</b>	<b>LOCATION</b>	<b>PANEL SIZE</b>	<b>"C" **</b>	<b>ROADSIDE SIGN</b>	<b>SIGN CODE LEGEND</b>
			INCH	FEET	EA	
R117 (CA)	10.080	RT	30 x 30	7	1	PASS BICYCLE 3 FT MIN
R117 (CA)	17.468	LT	30 x 30	7	1	PASS BICYCLE 3 FT MIN
					<b>TOTAL</b>	<b>2</b>
* SIGN LOCATION TO BE VERIFIED IN FIELD BY ENGINEER						
** C = CLEARANCE FROM FINISHED GRADE TO BOTTOM OF SIGN						

<b>OVERLAY ASPHALT CONCRETE</b>						
CAVEDALE RD (66032) - PM 10.000 - 17.500						
<b>POST MILE</b>		<b>ROAD SECTION LENGTH</b>	<b>AVERAGE ROAD WIDTH</b>	<b>AREA (ROADWAY)</b>	<b>VOLUME (ROADWAY)</b>	<b>ASPAHLT CONCRETE</b>
<b>FROM</b>	<b>TO</b>	<b>MILE</b>	<b>LF</b>	<b>SF</b>	<b>CF</b>	<b>TONS</b>
10.002	10.008	0.01	38	1178	294	22
10.008	10.073	0.07	18	6178	1544	116
10.073	10.600	0.53	16	44521	11130	835
10.600	10.990	0.39	12	24710	6178	463
10.990	11.050	0.06	23	7128	1782	134
11.050	14.950	3.90	16	329472	82368	6178
14.950	15.160	0.21	10	11088	2772	208
15.160	17.500	2.34	13	160618	40154	3012
				<b>TOTAL</b>		<b>10967</b>

<b>THERMOPLASTIC PAVEMENT MARKINGS</b>				
CAVEDALE RD (66032) - PM 10.000 - 17.500				
<b>POST MILE</b>	<b>LOCATION</b>	<b>PAVEMENT MARKINGS</b>		
		<b>WORDS</b>		<b>LINES</b>
		<b>STOP</b>	<b>AHEAD</b>	<b>12" WHITE</b>
		22 SF	31 SF	
10.003	LT			15
10.006	LT	1		
17.463	RT	1		
17.468	RT		1	
17.496	RT	1		
17.499	RT			15
	<b>TOTAL COUNT</b>	<b>3</b>	<b>1</b>	<b>30</b>
	<b>ITEM TOTAL</b>	<b>66</b>	<b>31</b>	<b>30</b>
	<b>TOTAL</b>		<b>127</b>	

ADDENDUM NO. 1


File: S:\DRA\ENR\Design\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project (Tab 1 Project)\2201 Fire Project\2201 Fire Project.dwg, Plot Date: Mar 24, 2022 at 11:22

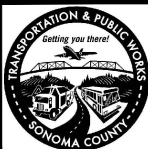
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 2/23/2022  
 PLANS APPROVAL DATE



<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b>	
CONSTRUCTION COMPLETED:	
RESIDENT ENGINEER AS BUILT DRAWINGS BY:	

DATE	3/24/2022
REVISION	ADD CONSTRUCT WELL MONUMENT TABLE
BY	HGM
APPROVED	



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66032
		BUDGET NUMBER	C22101
<b>QUANTITY SUMMARIES 1 OF 2 CAVEDALE RD (66032)</b>		FISCAL YEAR	2021-22
		SHEET NUMBER	19
		TOTAL SHEETS	65



MISCELLANEOUS ASPHALT CONCRETE							
CAVEDALE RD (66032) - PM 10.000 - 17.500							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.032	RT	42 CAVEDALE RD	1	12	10	14	2
10.034	LT	45 CAVEDALE RD	1	15	10	17	3
10.043	LT	81 CAVEDALE RD	1	15	10	17	3
10.049	RT	70 CAVEDALE RD	1	12	10	14	2
10.058	RT	70 CAVEDALE RD	1	12	10	14	2
10.062	LT	81 CAVEDALE RD	1	15	10	17	3
10.068	LT	PRIVATE ROAD	1	12	10	14	2
10.072	RT	88 CAVEDALE RD	1	15	10	17	3
10.073	LT	95 CAVEDALE RD	1	15	10	17	3
10.089	LT	97 CAVEDALE RD	1	20	10	23	3
10.102	RT	FIELD ENTRANCE	1	12	10	14	2
10.112	RT	110 CAVEDALE RD	1	15	10	17	3
10.133	RT	130 CAVEDALE RD	1	12	10	14	2
10.153	LT	99 CAVEDALE RD	1	15	10	17	3
10.159	RT	150 CAVEDALE RD	1	15	10	17	3
10.176	LT	105 CAVEDALE RD	1	15	10	17	3
10.200	LT	FIELD ENTRANCE	1	15	10	17	3
10.266	LT	257 CAVEDALE RD	1	15	10	17	3
10.301	LT	255 CAVEDALE RD	1	15	10	17	3
10.332	LT	255 CAVEDALE RD	1	12	10	14	2
10.532	LT	515 CAVEDALE RD	1	25	10	28	4
10.601	LT	605 CAVEDALE RD	1	20	10	23	3
10.606	RT	FIELD ENTRANCE	1	12	10	14	2
10.611	RT	702 CAVEDALE RD	1	12	10	14	2
10.635	LT	655 CAVEDALE RD	1	25	10	28	4
11.039	RT	990 CAVEDALE RD	1	15	10	17	3
11.101	LT	995 CAVEDALE RD	1	20	10	23	3
11.207	LT	1211 CAVEDALE RD	1	20	10	23	3
11.342	RT	FIELD ENTRANCE	1	20	10	23	3
11.628	RT	1400 CAVEDALE RD	2	15	SEE COLD PLANE AC TABLE		
11.769	LT	FIELD ENTRANCE	1	12	10	14	2
11.816	LT	1495 CAVEDALE RD	1	20	10	23	3
11.855	RT	1490 CAVEDALE RD	1	12	10	14	2
12.480	LT	1825 CAVEDALE RD	1	15	10	17	3
12.484	LT	2345 CAVEDALE RD	1	15	10	17	3
12.496	LT	2933 CAVEDALE RD	1	20	10	23	3
12.680	RT	2480 CAVEDALE RD	1	15	10	17	3
12.728	RT	2480 CAVEDALE RD	1	15	10	17	3
12.734	LT	2501 CAVEDALE RD	1	15	10	17	3
13.075	LT	2989 CAVEDALE RD	1	60	10	67	9
13.115	RT	2980 CAVEDALE RD	1	12	10	14	2

MISCELLANEOUS ASPHALT CONCRETE							
CAVEDALE RD (66032) - PM 10.000 - 17.500							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
13.642	LT	3200	1	20	10	23	3
13.890	LT	3845	1	25	10	28	4
14.021	LT	3870	1	15	10	17	3
14.053	LT	FIELD ENTRANCE	1	12	10	14	2
14.350	LT	3885	1	12	10	14	2
14.356	RT	3888	1	15	10	17	3
14.408	RT	4400	1	35	10	39	6
14.408	LT	3905	1	20	10	23	3
14.808	RT	4440	1	25	10	28	4
14.881	LT	4425	1	25	10	28	4
14.914	RT	FIELD ENTRANCE	1	15	10	17	3
14.924	RT	4600	1	20	10	23	3
14.924	LT	4601	1	15	10	17	3
15.162	LT	FIELD ENTRANCE	1	15	10	17	3
15.176	RT	4614	1	15	10	17	3
15.241	RT	4645	1	35	10	39	6
15.300	RT	FIELD ENTRANCE	1	20	10	23	3
15.499	RT	FIELD ENTRANCE	1	12	10	14	2
15.540	LT	FIELD ENTRANCE	1	12	10	14	2
15.568	LT	5135	1	12	10	14	2
15.573	RT	5000	1	15	10	17	3
15.668	LT	5155	1	15	10	17	3
15.808	RT	4800	1	20	10	23	3
15.831	LT	5700	1	35	10	39	6
16.021	RT	5500	1	12	10	14	2
16.033	LT	FIELD ENTRANCE	1	12	10	14	2
16.203	RT	5420	1	15	10	17	3
16.310	LT	FIELD ENTRANCE	1	25	10	28	4
16.314	RT	5788	1	20	10	23	3
16.591	RT	5800	1	15	10	17	3
16.716	RT	6130	1	15	10	17	3
16.801	LT	6200	1	20	10	23	3
16.885	RT	6300	1	20	10	23	3
17.207	LT	6449	1	20	10	23	3
17.213	RT	6450	1	15	10	17	3
17.220	LT	6449	1	35	10	39	6
17.296	LT	6767	1	20	10	23	3
17.530	RT	FIELD ENTRANCE	1	20	10	23	3
17.468	LT	3252 FIRE STATION	1	25	10	28	4
17.483	LT	3252 FIRE STATION	2	20	SEE COLD PLANE AC TABLE		
<b>TOTAL</b>						<b>1609</b>	<b>243</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

COLD PLANE ASPHALT CONCRETE						
CAVEDALE RD (66032) - PM 10.000 - 17.500						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.000	10.010	HWY 12	LONGITUDINAL	136	50	756
11.628		RT, 1400 CAVEDALE RD	DRIVEWAY (TYPE 2)	15	4	7
17.483		LT, 3252 CAVEDALE RD	DRIVEWAY (TYPE 2)	20	4	9
<b>TOTAL</b>						<b>772</b>

File: S:\DRAWINGS\Design\Drawings\22201 - 1st Project\CAD\Plan\Plan.dwg Plot Date: Feb 28, 2022 at 14:20  
 User: S:\DRAWINGS\Design\Drawings\22201 - 1st Project\CAD\Plan\Plan.dwg

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE

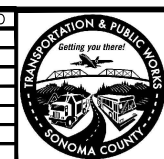


"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER \_\_\_\_\_

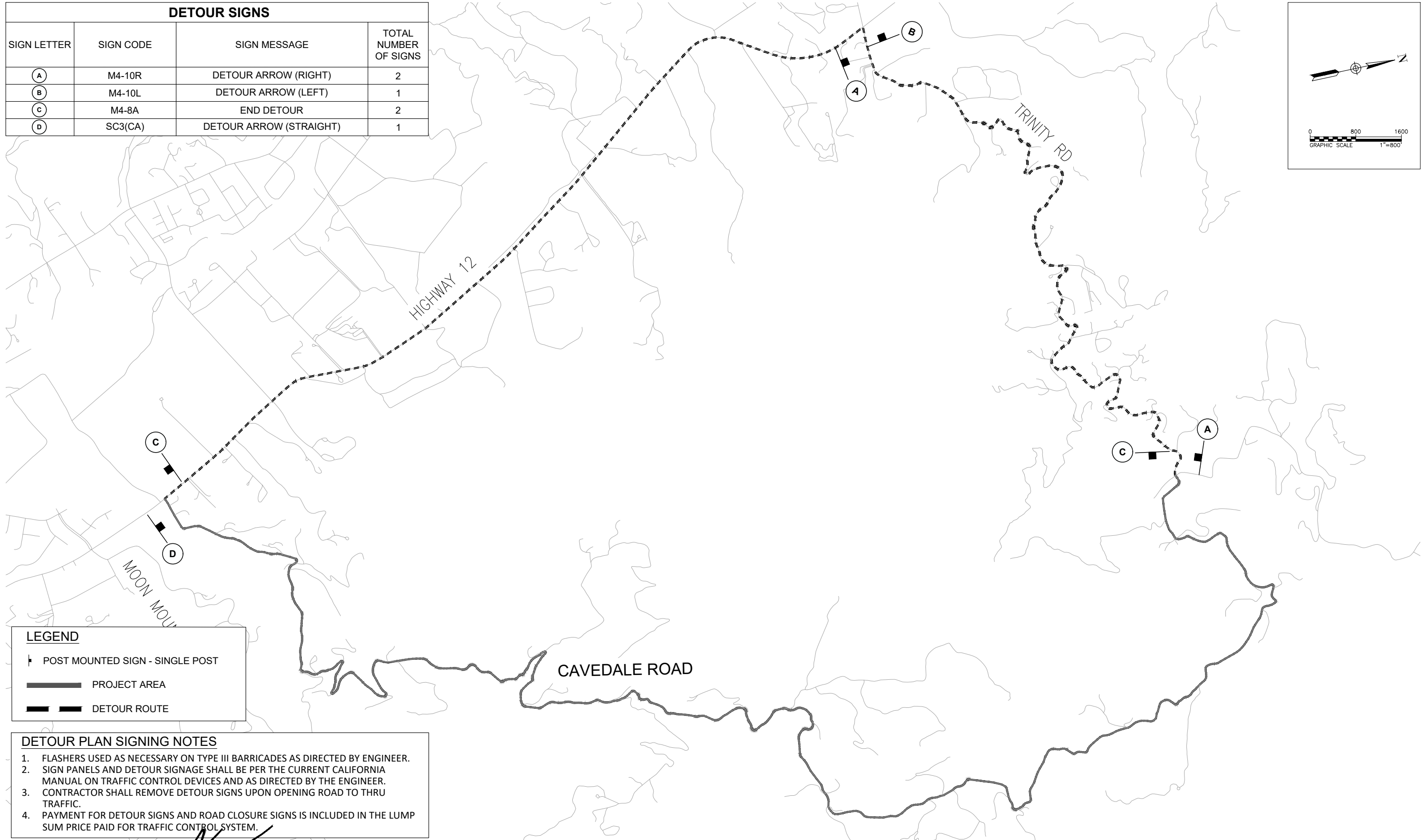
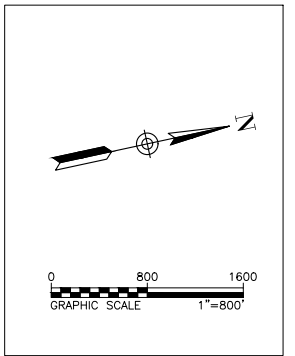
AS BUILT DRAWINGS BY: \_\_\_\_\_


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66032
QUANTITY SUMMARIES 2 OF 2 CAVEDALE RD (66032)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	20
		TOTAL SHEETS	65



DETOUR SIGNS			
SIGN LETTER	SIGN CODE	SIGN MESSAGE	TOTAL NUMBER OF SIGNS
(A)	M4-10R	DETOUR ARROW (RIGHT)	2
(B)	M4-10L	DETOUR ARROW (LEFT)	1
(C)	M4-8A	END DETOUR	2
(D)	SC3(CA)	DETOUR ARROW (STRAIGHT)	1



LEGEND	
	POST MOUNTED SIGN - SINGLE POST
	PROJECT AREA
	DETOUR ROUTE

- DETOUR PLAN SIGNING NOTES**
1. FLASHERS USED AS NECESSARY ON TYPE III BARRICADES AS DIRECTED BY ENGINEER.
  2. SIGN PANELS AND DETOUR SIGNAGE SHALL BE PER THE CURRENT CALIFORNIA MANUAL ON TRAFFIC CONTROL DEVICES AND AS DIRECTED BY THE ENGINEER.
  3. CONTRACTOR SHALL REMOVE DETOUR SIGNS UPON OPENING ROAD TO THRU TRAFFIC.
  4. PAYMENT FOR DETOUR SIGNS AND ROAD CLOSURE SIGNS IS INCLUDED IN THE LUMP SUM PRICE PAID FOR TRAFFIC CONTROL SYSTEM.

*[Signature]*  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED: \_\_\_\_\_

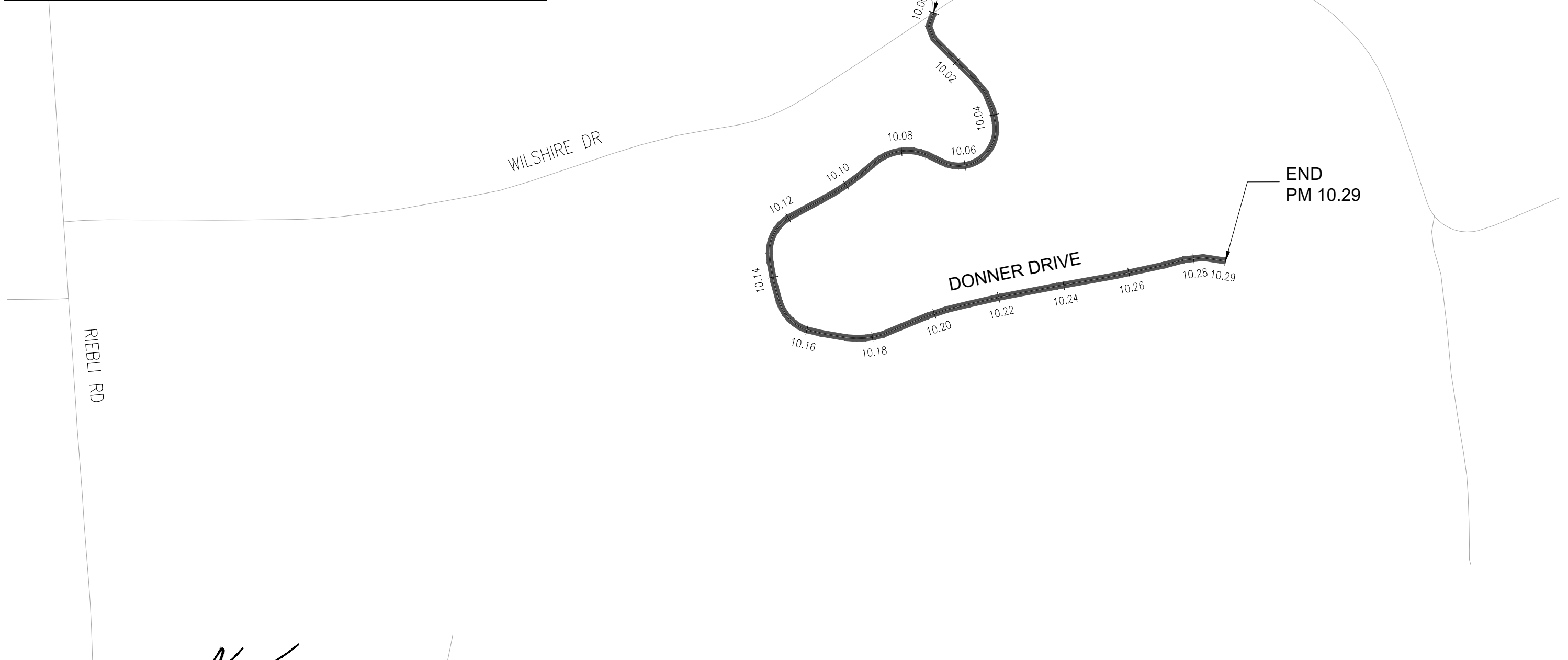
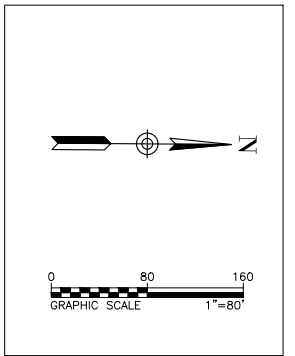
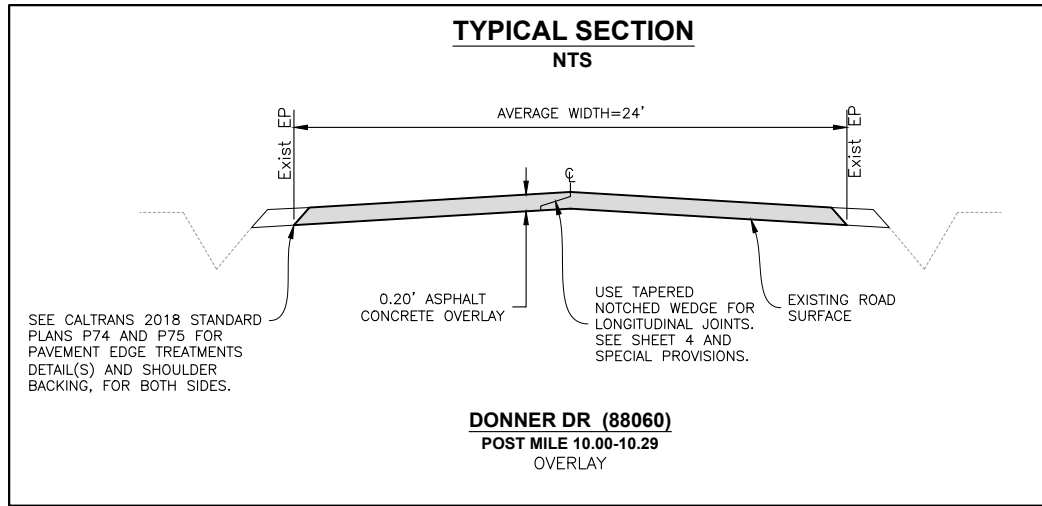
RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66032
<b>DETOUR PLAN CAVEDALE RD (66032)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	21
		TOTAL SHEETS	65

Plots: S:\Databases\Design\Projects\22201 - Tr 1 Project\CAD\Task\Project Plans\00 Plan\CAVEDALE RD (66032)\Tr 1 - Cavedale Rd.dwg Plot Date: Feb 22, 2022 at 11:40





Plot: S:\WORKING\Design\General Projects\22201 - Tier 1 Project\2020 Final\Project Plans\20 Donner Dr\Donner Dr (88060)\Tier 1 - Donner Dr.dwg, Plot Date: 06/28/2022 at 10:24


DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	88060
<b>LAYOUT</b> <b>DONNER DR (88060)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	22
		TOTAL SHEETS	65

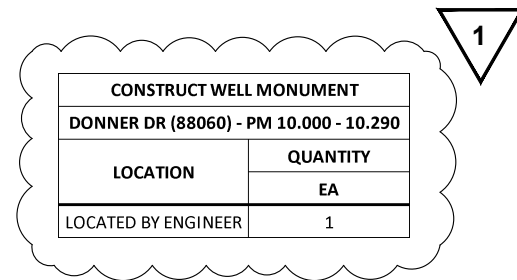


SHOULDER BACKING	
DONNER DR (88060) - PM 10.000 - 10.290	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	10

REPLACE ASPHALT CONCRETE SURFACING		
DONNER DR (88060) - PM 10.000 - 10.290		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	30
	<b>TOTAL</b>	<b>30</b>

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS					
DONNER DR (88060) - PM 10.000 - 10.290					
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES	PAVEMENT MARKERS
				4" LINE	
		YELLOW	TYPE D		
FROM	TO	LF	EA		
22	CL	10.004	10.271	2820	120
<b>TOTAL</b>				<b>2820</b>	<b>120</b>

THERMOPLASTIC PAVEMENT MARKINGS			
DONNER DR (88060) - PM 10.000 - 10.290			
POST MILE	LOCATION	WORDS	LINES
		STOP	12" WHITE
		22 SF	
10.004	LT		22
10.006	LT	1	
<b>TOTAL COUNT</b>		<b>1</b>	<b>22</b>
<b>ITEM TOTAL</b>		<b>22</b>	<b>22</b>
<b>TOTAL</b>		<b>44</b>	



MISCELLANEOUS ASPHALT CONCRETE							
DONNER DR (88060) - PM 10.000 - 10.290							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.031	LT	5400	1	20	10	23	3
10.050	LT	1723	1	25	10	28	4
10.055	LT	1755 FIELD ENTRANCE	2	25	SEE COLD PLANE AC TABLE		
10.154	RT	1730	1	40	10	45	6
10.166	LT	1755 FIELD ENTRANCE	1	20	10	23	3
10.177	RT	1750	1	18	10	20	3
10.190	LT	1755	1	60	10	67	9
10.245	RT	1760	1	25	10	28	4
10.254	LT	1725	1	30	2	7	1
10.263	LT	1735	2	50	SEE COLD PLANE AC TABLE		
10.282	RT	1769/1775	1	20	10	23	3
10.282	RT	1765	1	15	10	17	3
10.282	LT	1753	1	15	10	17	3
<b>TOTAL</b>						<b>298</b>	<b>42</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

OVERLAY ASPHALT CONCRETE						
DONNER DR (88060) - PM 10.000 - 10.290						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPALHT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.002	10.009	0.01	43	1700	391	29
10.009	10.044	0.04	23	4250	978	73
10.044	10.280	0.24	23	28660	6592	494
CUL-DE-SAC				2376	546	41
<b>TOTAL</b>						<b>638</b>

COLD PLANE ASPHALT CONCRETE						
DONNER DR (88060) - PM 10.000 - 10.290						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.002	10.009	WILSHIRE DR	LONGITUDINAL	43	40	191
10.055		LT	DRIVEWAY (TYPE 2)	25	4	11
10.263		LT, 1773 DONNER DR	DRIVEWAY (TYPE 2)	50	4	22
<b>TOTAL</b>						<b>224</b>

ADDENDUM NO. 1

Project: S:\DRA\88060\Design\Drawings\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project (Site 1) Project\1000 Plan\Project Plans\08 - Quantity Tables - Quantities.tbl  
 Plot Date: Mar 24, 2022 at 10:23

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE

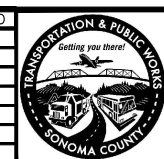


"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION				
DATE	REVISION	BY	APPROVED	
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	S&B	

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER \_\_\_\_\_

AS BUILT DRAWINGS BY: \_\_\_\_\_


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	88060
<b>QUANTITY SUMMARIES DONNER DR (88060)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	23
		TOTAL SHEETS	65

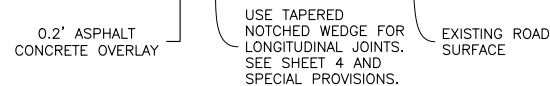


**TYPICAL SECTION**

NTS

AVERAGE WIDTH=14'-28'

SEE CALTRANS 2018 STANDARD PLANS P74 AND P75 FOR PAVEMENT EDGE TREATMENTS DETAIL(S) AND SHOULDER BACKING, FOR BOTH SIDES.



**OVERLAY**

**ODONNELL LN (66048)**  
POST MILE 10.00-10.29

**HENNO RD (66049)**  
POST MILE 10.00-11.87

**DUNBAR RD (66056)**  
POST MILE 10.00-11.65

**TRINITY RD (66057)**  
POST MILE 9.68-10.00

**BONNIE WAY (66074)**  
POST MILE 10.00-10.40

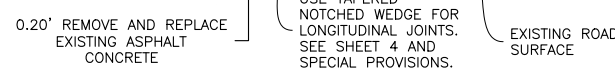
**SYLVIA DR (66075)**  
POST MILE 10.00-10.25

NOTE: SEE OVERLAY ASPHALT CONCRETE TABLES FOR ROAD WIDTHS.

**TYPICAL SECTION**

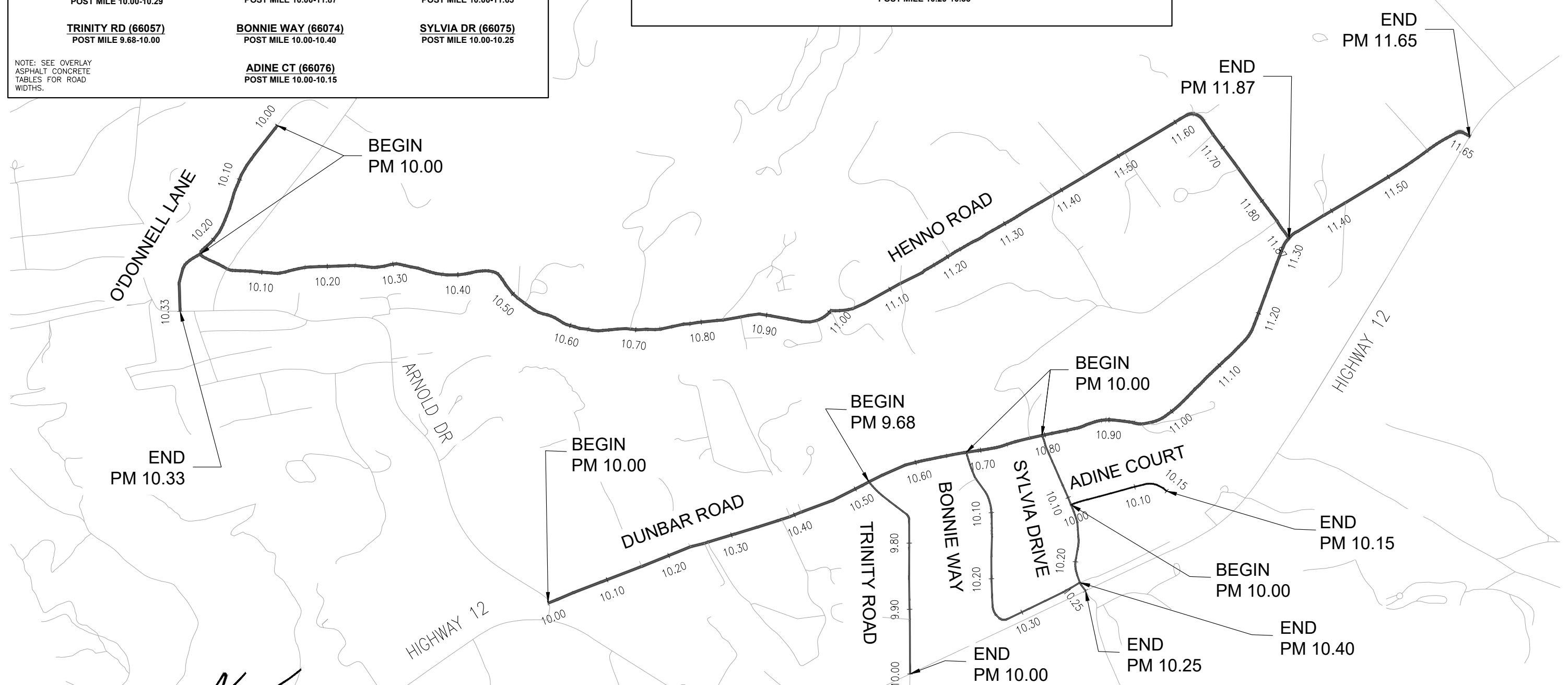
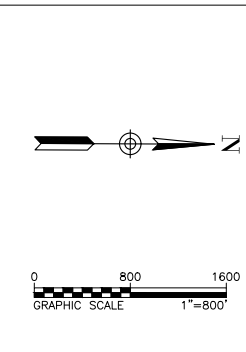
NTS

AVERAGE WIDTH=15'



**REMOVE & REPLACE**

**O'DONNELL LN (66048)**  
POST MILE 10.29-10.33



*[Signature]*  
REGISTERED CIVIL ENGINEER  
2/23/2022  
PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
CONSTRUCTION COMPLETED: \_\_\_\_\_  
RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT  <b>LAYOUT DUNBAR AREA</b>	ROAD NUMBER	66032
	BUDGET NUMBER	C22101
	FISCAL YEAR	2021-22
	SHEET NUMBER	24
	TOTAL SHEETS	65

File: S:\DUNBAR\Design\Drawings\2201 - 1 - 1 Project\2020 Final\Plan\1 - Dunbar 66032.dwg, Plot Date: Feb 27, 2022 at 10:54





SHOULDER BACKING	
BONNIE WAY (66074) - PM 10.000 - 10.400	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	7

REPLACE ASPHALT CONCRETE SURFACING		
BONNIE WAY (66074) - PM 10.000 - 10.400		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	38
<b>TOTAL</b>		<b>38</b>

ADJUST EXISTING FACILITIES TO GRADE			
BONNIE WAY (66074) - PM 10.000 - 10.400			
POST MILE	LOCATION	CENTERLINE OFFSET	WATER VALVE*
		FT	EA
10.152	RT	5	1
10.157	RT	5	1
<b>TOTALS</b>			<b>2</b>

\*WHEN ADJUSTING BOX AND COVER TO GRADE REPLACE BOX AND COVER PER VALLEY OF THE MOON REQUEST. SEE SPECIAL PROVISIONS.



THERMOPLASTIC PAVEMENT MARKINGS				
BONNIE WAY (66074) - PM 10.000 - 10.400				
POST MILE	LOCATION	WORDS		LINES
		STOP	AHEAD	12" WHITE
		22 SF	31 SF	
10.005	LT			24
10.008	LT	1		
10.075	LT		1	
10.083	LT	1		
<b>TOTAL COUNT</b>		<b>2</b>	<b>1</b>	<b>24</b>
<b>ITEM TOTAL</b>		<b>44</b>	<b>31</b>	<b>24</b>
<b>TOTAL</b>		<b>99</b>		

OVERLAY ASPHALT CONCRETE						
BONNIE WAY (66074) - PM 10.000 - 10.400						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.002	10.010	0.01	43	1720	396	30
10.010	10.191	0.18	23	21981	5056	379
10.191	10.204	0.01	23	1579	363	27
10.204	10.392	0.19	23	22831	5251	394
10.392	10.398	0.01	40	1200	276	21
<b>TOTAL</b>						<b>851</b>

MISCELLANEOUS ASPHALT CONCRETE							
BONNIE WAY (66074) - PM 10.000 - 10.400							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.025	LT	255 BONNIE WAY	1	16	10	18	3
10.030	RT	250 BONNIE WAY	1	24	10	27	4
10.045	LT	255 BONNIE WAY	1	23	10	26	4
10.045	RT	242 BONNIE WAY	1	27	10	30	5
10.053	RT	242 BONNIE WAY	1	22	10	25	4
10.053	LT	243 BONNIE WAY	1	14	10	16	3
10.061	LT	241 BONNIE WAY	1	18	10	20	3
10.071	LT	241 BONNIE WAY	1	17	10	19	3
10.080	RT	232 BONNIE WAY	1	13	10	15	2
10.098	RT	232 BONNIE WAY	1	23	10	26	4
10.114	LT	223 BONNIE WAY	1	18	10	20	3
10.123	RT	214 BONNIE WAY	1	20	10	23	3
10.129	LT	201 BONNIE WAY	1	24	3	8	2
10.137	RT	214 BONNIE WAY	1	20	10	23	3
10.154	RT	190 BONNIE WAY	1	17	10	19	3
10.155	LT	175 BONNIE WAY	1	21	10	24	4
10.167	RT	190 BONNIE WAY	1	19	10	22	3
10.174	LT	175 BONNIE WAY	1	19	10	22	3
10.178	RT	175 BONNIE WAY	1	13	10	15	2
10.180	RT	168 BONNIE WAY	1	21	10	24	4
10.186	LT	149 BONNIE WAY	1	19	10	22	3
10.202	LT	149 BONNIE WAY	1	15	10	17	3
10.202	RT	168 BONNIE WAY	1	18	10	20	3
10.215	RT	122 BONNIE WAY	1	25	10	28	4
10.233	RT	122 BONNIE WAY	1	29	10	33	5
10.237	RT	100 BONNIE WAY	1	15	10	17	3
10.240	LT	100 BONNIE WAY	1	17	10	19	3
10.258	RT	100 BONNIE WAY	1	23	10	26	4
10.270	RT	88 BONNIE WAY	1	30	10	34	5
10.381	LT	25 BONNIE WAY	1	27	10	30	5
<b>TOTAL</b>						<b>668</b>	<b>103</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

ADDENDUM NO. 1

File: S:\DRAWINGS\Design\Current\Projects\22201 - 2017 Fire Debris Damaged Roads Paving Project\Task 1 - Project\22201 Fire Debris Damaged Roads Paving Project.dwg, Plot Date: Mar 24, 2022 at 11:12

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED
3/24/2022	UPDATE UTILITY TABLE	HGM	SBU


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66074
QUANTITY SUMMARIES BONNIE WAY (66074)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	26
		TOTAL SHEETS	65



SHOULDER BACKING	
DUNBAR RD (66056) - PM 10.000 - 11.650	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	340

REPLACE ASPHALT CONCRETE SURFACING		
DUNBAR RD (66056) - PM 10.000 - 11.650		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	391
<b>TOTAL</b>		<b>391</b>

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS							
DUNBAR RD (66056) - PM 10.000 - 11.650							
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES		PAVEMENT MARKERS	
				4" LINE	4" LINE	TYPE D	BLUE
				WHITE	YELLOW		
FROM	TO	LF	LF	EA	EA	EA	EA
27B	RT	10.000	10.010	64	-	-	-
BLUE RPM	LT	10.010					1
22	CL	10.000	10.510	-	5385.6	228	
22	CL	10.520	10.670	-	1584	70	
22	CL	10.680	10.787	-	1129.92	50	
22	CL	10.794	11.315	-	5501.76	232	
22	CL	11.323	11.620	-	3136.32	134	
BLUE RPM	RT	10.275		-	-	-	1
BLUE RPM	RT	10.399		-	-	-	1
BLUE RPM	LT	10.518		-	-	-	1
BLUE RPM	RT	10.641		-	-	-	1
BLUE RPM	RT	10.797		-	-	-	1
BLUE RPM	LT	11.327		-	-	-	1
22	CL	11.620	11.630	-	105.6	8	
<b>TOTAL</b>				<b>64</b>	<b>16844</b>	<b>722</b>	<b>7</b>

ADJUST EXISTING FACILITIES TO GRADE					
DUNBAR RD (66056) - PM 10.000 - 11.650					
POST MILE	LOCATION	CENTERLINE OFFSET	WATER VALVE*	DROP INLET	PG&E
		FT	EA	EA	EA
10.010	LT	8	1		
10.151	LT	8	2		
10.180	LT	11			1
10.275	LT	5	1		
10.353	LT	3	1		
10.399	CL		1		
10.398	LT	11			1
10.518	LT	4	2		
10.641	LT	3	1		
10.673	RT	10	3		
10.674	LT	8			1 (1' x 2')
10.766	RT	8	1		
10.780	RT	8	1		
10.788	RT	9	1		
10.797	RT	11	1		
11.312	LT	20		1	
11.562	LT	8	1		
11.617	LT	8			1
<b>TOTALS</b>			<b>17</b>	<b>1</b>	<b>4</b>

\*WHEN ADJUSTING BOX AND COVER TO GRADE REPLACE BOX AND COVER PER VALLEY OF THE MOON REQUEST. SEE SPECIAL PROVISIONS.




CONSTRUCT WELL MONUMENT	
DUNBAR RD (66056) - PM 10.000 - 11.650	
LOCATION	QUANTITY
LOCATED BY ENGINEER	EA
	2

THERMOPLASTIC PAVEMENT MARKINGS						
DUNBAR RD (66056) - PM 10.000 - 11.650						
POST MILE	LOCATION	PAVEMENT MARKINGS				
		WORDS			LINES	
		STOP	AHEAD	SCHOOL	12" WHITE	12" YELLOW
		22 SF	31 SF	35SF		
10.000	LT				39	
10.001	LT	1				
11.225	RT			1		
11.272	CL					40
11.351	LT			1		
11.556	RT	1				
11.563	RT		1			
<b>TOTAL COUNT</b>		<b>2</b>	<b>1</b>	<b>2</b>	<b>39</b>	<b>40</b>
<b>ITEM TOTAL</b>		<b>44</b>	<b>31</b>	<b>70</b>	<b>39</b>	<b>40</b>
<b>TOTAL</b>				<b>224</b>		

OVERLAY ASPHALT CONCRETE						
DUNBAR RD (66056) - PM 10.000 - 11.650						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.005	10.014	0.01	60	2880	662	50
10.014	10.062	0.05	23	5829	1341	101
10.062	10.482	0.42	22	47678	10966	822
10.482	11.062	0.58	21	64310	14791	1109
11.062	11.084	0.02	DO NOT OVERLAY THIS SEGMENT			
11.084	11.500	0.42	21	46126	10609	796
11.500	11.650	0.15	28	22176	5100	383
<b>TOTAL</b>						<b>3260</b>

ADDENDUM NO. 1

File: S:\DUNBAR\Design\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project - 1 Project\22201 Fire Debris Damaged Roads Paving Project - 1 - Quantity.dwg Plot Date: Mar 24, 2022 at 10:25

DESIGN BY	CR	 REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL ENGINEER STATE OF CALIFORNIA	"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION CONSTRUCTION COMPLETED: _____ RESIDENT ENGINEER AS BUILT DRAWINGS BY: _____			DATE 3/24/2022	REVISION 1/ ADD CONSTRUCT WELL MONUMENT TABLE AND UPDATE UTILITY TABLE	BY HGM	APPROVED 	 <b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT	ROAD NUMBER 66056
DRAWING BY	CR		PLANS APPROVAL DATE 2/23/2022								BUDGET NUMBER C22101	
CHECKED BY	HGM										<b>QUANTITY SUMMARIES 1 OF 2</b> <b>DUNBAR RD (66056)</b>	FISCAL YEAR 2021-22
											SHEET NUMBER 27	
											TOTAL SHEETS 65	

MISCELLANEOUS ASPHALT CONCRETE							
DUNBAR RD (66056) - PM 10.000 - 11.650							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.034	LT	12990 DUNBAR RD	1	20	10	23	3
10.073	RT	FIELD ENTRANCE	1	35	10	39	6
10.098	LT	12920 DUNBAR RD	2	60	SEE COLD PLANE AC TABLE		
10.152	LT	12850 DUNBAR RD	1	22	10	25	4
10.158	RT	12847 DUNBAR RD	1	23	10	26	4
10.183	RT	12841 DUNBAR RD	1	25	10	28	4
10.229	LT	12800 DUNBAR RD	1	15	10	17	3
10.253	RT	12781 DUNBAR RD	1	25	10	28	4
10.258	RT	127655 DUNBAR RD	1	40	10	45	6
10.258	LT	12783 DUNBAR RD	1	30	10	34	5
10.305	LT	12700 DUNBAR RD	1	30	10	34	5
10.370	RT	12655 DUNBAR RD	1	45	10	50	7
10.376	RT	12555 DUNBAR RD	1	30	10	34	5
10.387	LT	12600 DUNBAR RD	1	25	10	28	4
10.404	LT	12560 DUNBAR RD	1	50	10	56	8
10.499	RT	12505 DUNBAR RD	1	25	10	28	4
10.596	RT	12455 DUNBAR RD	2	30	SEE COLD PLANE AC TABLE		
10.687	LT	12500 DUNBAR RD	1	50	10	56	8
10.722	LT	12250 DUNBAR RD	1	25	10	28	4
10.743	LT	12250 DUNBAR RD	1	45	10	50	7
10.771	LT	12200 DUNBAR RD	1	45	10	50	7
10.822	RT	12143 DUNBAR RD	1	20	10	23	3
10.842	RT	12143 DUNBAR RD	1	25	10	28	4
10.852	RT	12125 DUNBAR RD	1	38	10	43	6
10.871	LT	12100 DUNBAR RD	1	55	10	62	9
10.946	RT	11995 DUNBAR RD	1	35	10	39	6
10.958	RT	11905 DUNBAR RD	1	50	10	56	8
11.077	LT	FIELD ENTRANCE	1	15	10	17	3
11.163	RT	FIELD ENTRANCE	1	20	10	23	3
11.277	LT	11700 SCHOOL	1	65	10	73	10
11.303	LT	11700 SCHOOL	1	70	10	78	11
11.387	LT	11600 DUNBAR RD	1	65	10	73	10
11.416	RT	11659 DUNBAR RD	1	27	10	30	5
11.422	LT	FIELD ENTRANCE	1	30	10	34	5
11.477	LT	11524 DUNBAR RD	1	20	10	23	3
11.462	LT	11524 DUNBAR RD	1	22	10	25	4
11.468	LT	11502 DUNBAR RD	1	15	10	17	3
11.479	LT	11502 DUNBAR RD	1	15	10	17	3
11.490	LT	11500 DUNBAR RD	1	15	10	17	3
11.509	LT	11500 DUNBAR RD	1	15	10	17	3
11.566	LT	11466 DUNBAR RD	1	60	10	67	9
<b>TOTAL</b>						<b>1441</b>	<b>209</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

COLD PLANE ASPHALT CONCRETE						
DUNBAR RD (66056) - PM 10.000 - 11.650						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.000	10.010	ARNOLD DR	LONGITUDINAL	83	50	461
10.098		LT, 12920 DUNBAR RD	DRIVEWAY (TYPE 2)	60	4	27
10.596		RT, 12455 DUNBAR RD	DRIVEWAY (TYPE 2)	30	4	13
11.053	11.062	BOX CULVERT	LONGITUDINAL	21	50	117
11.084	11.093	BOX CULVERT	LONGITUDINAL	21	50	117
11.610	11.620	HIGHWAY 12	LONGITUDINAL	170	50	944
<b>TOTAL</b>						<b>1679</b>

RELOCATE MAILBOX				
DUNBAR RD (66056) - PM 10.000 - 11.650				
POST MILE*	LOCATION	ADDRESS	MAILBOX	COMMENTS
			EA	
10.855	RT	12125 DUNBAR RD	1	MAILBOX DIRECTLY BEHIND GUARDRAIL
<b>TOTAL</b>			<b>1</b>	

ROADSIDE SIGNS						
DUNBAR RD (66056) - PM 10.000 - 11.650						
SIGN CODE	POST MILE*	LOCATION	PANEL SIZE	"C" **	ROADSIDE SIGN	SIGN CODE LEGEND
			INCH	FEET	EA	
R117 (CA)	10.040	RT	30 x 30	7	1	PASS BICYCLE 3 FT MIN
R117 (CA)	11.550	LT	30 x 30	7	1	PASS BICYCLE 3 FT MIN
<b>TOTAL</b>					<b>2</b>	

\* SIGN LOCATION TO BE VERIFIED IN FIELD BY ENGINEER  
 \*\* C = CLEARANCE FROM FINISHED GRADE TO BOTTOM OF SIGN

MIDWEST GUARDRAIL SYSTEM										
DUNBAR RD (66056) - PM 10.000 - 11.650										
POSTMILE	LOCATION	INSTALL MIDWEST GUARDRAIL SYSTEM	INSTALL MIDWEST GUARDRAIL SYSTEM HEADWALL	END ANCHOR ASSEMBLY	TERMINAL SYSTEM		TERMINAL SECTION		REMOVE GUARDRAIL	COMMENTS
				SFT	MSKT	FLEAT	TYPE A	TYPE C	LF	
FROM	TO	LF	LF	EA	EA	EA	EA	EA	LF	
10.694	10.718	LT	37.5			1	1		125	ON APPROACH INLINE MSKT, FLEAT ON TRAILING END
10.726	10.735	LT	18.75	12.5	2			2	43.75	ON APPROACH SFT WITH RADIUS AND END CAP TYPE C, SFT WITH END CAP TYPE C ON TRAILING END
10.726	10.741	RT	37.5	12.5	2			2	75	ON APPROACH SFT WITH RADIUS AND END CAP TYPE C, SFT WITH RADIUS AND END CAP TYPE C ON TRAILING END
10.852	10.855	LT	0		1			1	12.5	ON APPROACH END CAP TYPE A, SFT WITH END CAP TYPE C ON TRAILING END
10.855	10.857	RT	0		1			1	12.5	ON APPROACH ADD SFT WITH RADIUS AND END CAP TYPE C, END CAP TYPE A ON TRAILING END. NEED TO RELOCATE MAILBOX.
10.860	10.863	LT	28		1			1	18.75	ON APPROACH ADD SFT WITH RADIUS AND END CAP TYPE C, END CAP TYPE A ON TRAILING END.
10.862	10.870	RT	50		1			1	43.75	ON APPROACH END CAP TYPE A, ADD SFT WITH RADIUS AND END CAP TYPE C ON TRAILING END.
<b>TOTAL</b>			<b>172</b>	<b>25</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>332</b>

File: S:\DUNBAR\Design\Drawings\22201 - 11.1 Project\CDR Final\Project Plan CD (Rev.04)11.1 - Quantities.dwg Plot Date: Feb 23, 2022 at 12:08

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

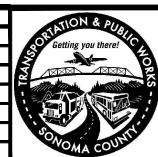
  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED: \_\_\_\_\_

RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66056
		BUDGET NUMBER	C22101
<b>QUANTITY SUMMARIES 2 OF 2 DUNBAR RD (66056)</b>		FISCAL YEAR	2021-22
		SHEET NUMBER	28
		TOTAL SHEETS	65





SHOULDER BACKING	
O'DONNELL LANE (66048) - PM 10.000 - 10.330	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	72

REPLACE ASPHALT CONCRETE SURFACING		
O'DONNELL LANE (66048) - PM 10.000 - 10.29		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	91
TOTAL		91

1

LOWER/ADJUST EXISTING FACILITIES TO GRADE							
O'DONNELL LANE (66048) - PM 10.000 - 10.330							
POST MILE	LOCATION	CENTERLINE OFFSET	SANITARY SEWER MANHOLE	WATER METER	WATER VALVE*	DROP INLET	COMMENTS
		FT	EA	EA	EA	EA	
10.000	CL		1				ADJUST
10.004	RT	5			2		ADJUST
10.038	LT	5	1				ADJUST
10.088	CL		1				ADJUST
10.154	CL		1				ADJUST
10.182	LT	4	1				ADJUST
10.192	RT	10		1			ADJUST
10.231	LT	2	1				ADJUST
10.263	CL		1 (sewer clean out)				ADJUST
10.297	RT	7		1			LOWER/ADJUST
10.304	RT	2			2		LOWER/ADJUST
10.307	LT	6				1	LOWER/ADJUST
10.309	RT	6				1	LOWER/ADJUST
10.325	LT	5				1	LOWER/ADJUST
10.327	RT	5			1		LOWER/ADJUST
TOTALS			7	2	5	3	

\*WHEN ADJUSTING BOX AND COVER TO GRADE REPLACE BOX AND COVER PER VALLEY OF THE MOON REQUEST. SEE SPECIAL PROVISIONS.

THERMOPLASTIC PAVEMENT MARKINGS		
O'DONNELL LANE (66048) - PM 10.000 - 10.330		
POST MILE	LOCATION	PAVEMENT MARKINGS
		LINES
		12" WHITE
10.324	RT	8
TOTAL COUNT		8
ITEM TOTAL		8
TOTAL		8




THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS				
O'DONNELL LANE (66048) - PM 10.000 - 10.330				
CALTRANS DETAIL	LOCATION	POST MILE		PAVEMENT MARKERS
		FROM	TO	BLUE
				EA
BLUE RPM	LT	10.004		1
BLUE RPM	LT	10.306		1
TOTAL				2

OVERLAY ASPHALT CONCRETE							
O'DONNELL LANE (66048) - PM 10.000 - 10.29							
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE	
FROM	TO	MILE	LF	SF	CF	TONS	
10.000	10.026	0.03	12	1647	379	28	
10.044	10.080	0.04	15	2851	656	49	
10.080	10.098	0.02	15	1426	328	25	
10.098	10.128	0.03	16	2534	583	44	
10.128	10.168	0.04	15	3168	729	55	
10.168	10.173	0.01	15	396	91	7	
10.173	10.190	0.02	15	1346	310	23	
10.190	10.226	0.04	15	2851	656	49	
10.226	10.243	0.02	16	1436	330	25	
10.243	10.255	0.01	12	760	175	13	
10.255	10.278	0.02	12	1457	335	25	
10.278	10.288	BRIDGE (NO ROAD TREATMENT)					
TOTAL						343	

REPLACE ASPHALT CONCRETE SURFACING (FULL ROAD)							
O'DONNELL LANE (66048) - PM 10.29 - 10.330							
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	DEPTH	VOLUME	
FROM	TO	MILE	LF	SF	LF	CY	
10.278	10.288	BRIDGE (NO ROAD TREATMENT)					
10.288	10.294	0.01	10	317	0.20	3	
10.294	10.330	0.04	15	2851	0.20	22	
TOTAL						25	

ADDENDUM NO. 1

Project: S:\DRA\66048\Design\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project - 1 Project\22201 Fire Debris Damaged Roads Paving Project - 1 - Quantity.dwg Plot Date: Mar 24, 2022 at 11:13

DESIGN BY	CR	 REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION DATE: 3/24/2022 REVISION: 1 UPDATE UTILITY TABLE BY: HGM APPROVED: 		 <b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT	ROAD NUMBER	66048	
DRAWING BY	CR		2/23/2022	CONSTRUCTION COMPLETED:			QUANTITY SUMMARIES 1 OF 2	BUDGET NUMBER	C22101
CHECKED BY	HGM		PLANS APPROVAL DATE	RESIDENT ENGINEER AS BUILT DRAWINGS BY:			O'DONNELL LN (66048)	FISCAL YEAR	2021-22
							SHEET NUMBER	30	
							TOTAL SHEETS	65	



MISCELLANEOUS ASPHALT CONCRETE							
O'DONNELL LANE (66048) - PM 10.000 - 10.330							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.000	LT	5033 O'DONNELL LN	1	26	10	29	5
10.002	LT	5045 O'DONNELL LN (LT)	1	15	10	17	3
10.006	RT	5040 O'DONNELL LN	1	10	10	12	2
10.013	LT	5045 O'DONNELL LN (RT)	1	15	10	17	3
10.030	RT	5150 O'DONNELL LN (RT)	1	12	5	7	2
10.030	LT	5121 O'DONNELL LN	1	15	10	17	3
10.039	RT	5150 O'DONNELL LN (LT)	1	15	5	9	2
10.039	LT	5125 O'DONNELL LN	1	15	10	17	3
10.050	LT	5137 O'DONNELL LN	1	20	10	23	4
10.050	RT	5060 O'DONNELL LN	1	15	10	17	3
10.062	RT	5140 O'DONNELL LN	1	20	10	23	4
10.078	RT	5172 O'DONNELL LN	1	18	10	20	4
10.088	LT	5170 O'DONNELL LN	1	18	10	20	4
10.095	RT	5176 O'DONNELL LN	2	15	SEE COLD PLANE AC TABLE		
10.103	LT	5177 O'DONNELL LN	1	15	10	17	3
10.106	RT	5180 O'DONNELL LN	1	20	10	23	4
10.118	RT	5186 O'DONNELL LN	1	25	10	28	5
10.125	RT	5190 O'DONNELL LN	1	15	5	9	2
10.132	LT	5211 O'DONNELL LN	1	15	10	17	3
10.136	LT	5217 O'DONNELL LN	1	16	10	18	3
10.139	LT	5217 O'DONNELL LN	2	24	SEE COLD PLANE AC TABLE		
10.146	RT	5200 O'DONNELL LN	1	15	10	17	3
10.159	LT	5229 O'DONNELL LN	1	25	10	28	5
10.173	RT	5232 O'DONNELL LN	1	25	10	28	5
10.173	LT	5237 O'DONNELL LN	1	40	10	45	7
10.183	LT	EMPTY LOT	2	17	SEE COLD PLANE AC TABLE		
10.194	RT	5250 O'DONNELL LN	1	15	10	17	3
10.204	LT	5259 O'DONNELL LN	1	40	5	23	4
10.259	LT	5415 O'DONNELL LN	1	37	10	42	7
10.259	RT	5430 O'DONNELL LN	1	20	10	23	4
<b>TOTAL</b>						<b>563</b>	<b>100</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

COLD PLANE ASPHALT CONCRETE						
O'DONNELL LANE (66048) - PM 10.000 - 10.330						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.095		RT, 5176 O'DONNELL LN	DRIVEWAY (TYPE 2)	15	4	7
10.139		LT, 5217 O'DONNELL LN	DRIVEWAY (TYPE 2)	24	4	11
10.183		LT, EMPTY LOT	DRIVEWAY (TYPE 2)	17	4	8
10.194		RT, 5250 O'DONNELL LN	DRIVEWAY (TYPE 2)	15	4	7
10.269	10.278	BEGIN BRIDGE	BRIDGE	12	50	67
<b>TOTAL</b>						<b>100</b>

Plot: S:\DWM\DWG\Design\Drawings\22201 - 101 Project\1000 Final\1000 Final.dwg Plot Date: Feb 28, 2022 at 10:24

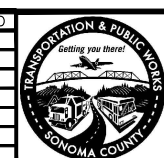
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 PLANS APPROVAL DATE: 2/23/2022



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66048
<b>QUANTITY SUMMARIES 2 O'DONNELL LN (66048)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	31
		TOTAL SHEETS	65





SHOULDER BACKING	
TRINITY RD (66057) - PM 9.680 - 10.000	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	37

REPLACE ASPHALT CONCRETE SURFACING		
TRINITY RD (66057) - PM 9.680 - 10.000		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	50
<b>TOTAL</b>		<b>50</b>

MISCELLANEOUS ASPHALT CONCRETE							
TRINITY RD (66057) - PM 9.680 - 10.000							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
9.713	LT	281 TRINITY RD	1	25	10	28	5
9.720	RT	281 TRINITY RD	1	25	10	28	5
9.757	LT	FIELD ENTRANCE	1	26	10	29	5
9.764	LT	225 TRINITY RD	1	20	10	23	4
9.772	RT	180 TRINITY RD	1	39	10	44	7
9.782	LT	225 TRINITY RD	1	19	10	22	4
9.784	RT	174 TRINITY RD	1	31	10	35	6
9.790	RT	170 TRINITY RD	1	30	10	34	6
9.798	LT	197 TRINITY RD	1	20	10	23	4
9.813	LT	197 TRINITY RD	1	24	10	27	5
9.821	RT	154 TRINITY RD	1	18	10	20	4
9.823	LT	175 TRINITY RD	1	23	10	26	4
9.840	RT	150 TRINITY RD	1	15	10	17	3
9.844	LT	175 TRINITY RD	1	20	10	23	4
9.858	LT	151 TRINITY RD	1	26	10	29	5
9.877	RT	140 TRINITY RD	1	23	10	26	4
9.901	LT	117 TRINITY RD	1	29	10	33	6
9.917	RT	100 TRINITY RD	1	20	10	23	4
9.932	LT	117 TRINITY RD	1	23	10	26	4
9.972	LT	85 TRINITY RD	1	25	10	28	5
<b>TOTAL</b>						<b>544</b>	<b>94</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

THERMOPLASTIC PAVEMENT MARKINGS			
TRINITY RD (66057) - PM 9.680 - 10.000			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
		22 SF	
9.685	LT		25
9.688	LT	1	
9.990	RT	1	
9.993	RT		30
<b>TOTAL COUNT</b>		<b>2</b>	<b>55</b>
<b>ITEM TOTAL</b>		<b>44</b>	<b>55</b>
<b>TOTAL</b>		<b>99</b>	

OVERLAY ASPHALT CONCRETE						
TRINITY RD (66057) - PM 9.680 - 10.000						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
9.680	9.686	0.01	46	1441	332	25
9.686	9.752	0.07	18	6273	1443	108
9.752	9.788	0.04	12	2281	525	39
9.788	9.906	0.12	15	9346	2149	161
9.906	9.973	0.07	14	4953	1139	85
9.973	9.990	0.02	64	5745	1321	99
<b>TOTAL</b>						<b>518</b>

COLD PLANE ASPHALT CONCRETE						
TRINITY RD (66057) - PM 9.680 - 10.000						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
9.981	9.990	END PROJECT	LONGITUDINAL	64	50	356
<b>TOTAL</b>						<b>356</b>

Plot: S:\DMS\2022\Design\Drawings\222101 - Tr 1 Project\CAD\Plan\Sheet\66057 - Quantities.dwg Plot Date: Feb 27, 2022 at 12:24

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

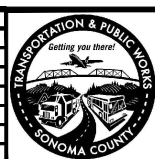
  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

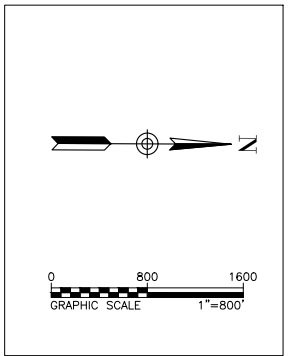
CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	66057
<b>QUANTITY SUMMARIES TRINITY RD (66057)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	33
		TOTAL SHEETS	65

CONSTRUCTION AREA SIGNS					
SIGN LETTER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	TOTAL NUMBER OF SIGNS
A	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 4" X 4"	7
B	G20-2	36" X 36"	END ROAD WORK	1 - 4" X 4"	7
C	PCMS	N/A	CHANGEABLE	N/A	2
D	N/A	30" X 45"	PROJECT INFORMATION SIGN	1 - 4" X 4"	5



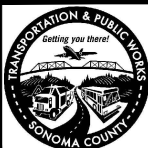
LEGEND	
	POST MOUNTED SIGN
	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	PROJECT AREA

*[Signature]*  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

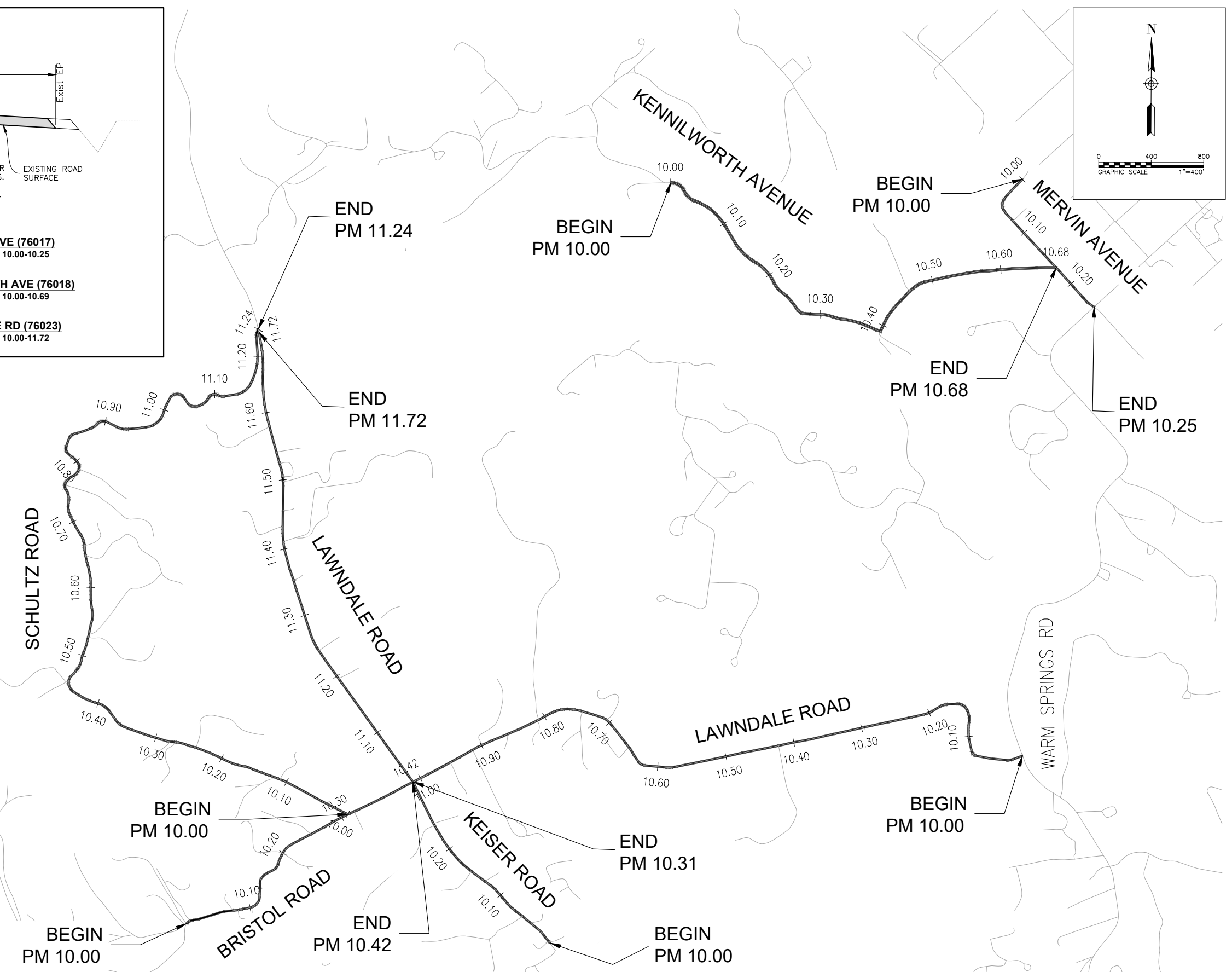
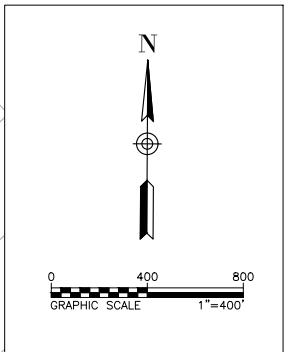
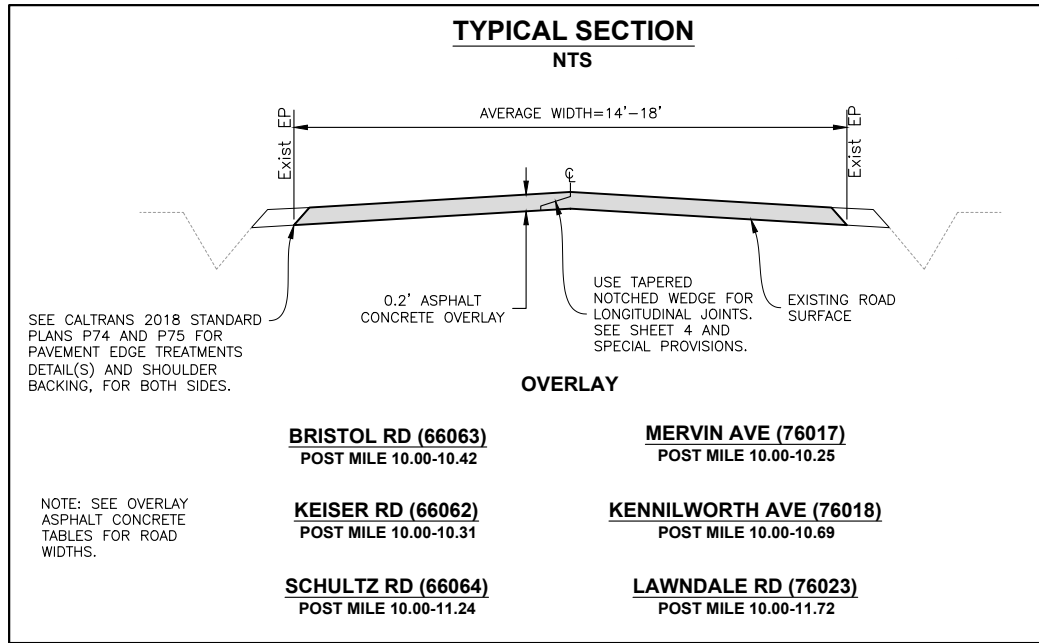


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS		ROAD NUMBER	66032
<b>CONSTRUCTION AREA SIGNS</b>		BUDGET NUMBER	C22101
<b>DUNBAR AREA</b>		FISCAL YEAR	2021-22
		SHEET NUMBER	34
		TOTAL SHEETS	65

File: S:\Databases\Design\Projects\22101 - The 1 Project\CAD\Plan\Sheet\1 - Dunbar Area.dwg, Plot Date: Feb 27, 2022, at 11:58





Plot: S:\DRAWINGS\Design\General Projects\22201 - 1st Project\2022\Plan\2022\22201-1-Layouts\22201-1-Layouts.dwg, Plot Date: Feb 23, 2022 at 10:25

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA

2/23/2022  
 PLANS APPROVAL DATE



**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

**COUNTY OF SONOMA**

DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

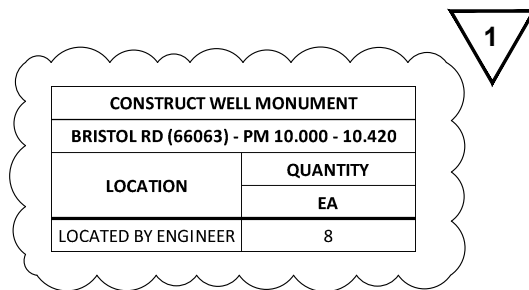
2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	VARIES
<b>LAYOUT LAWNDALE AREA (VARIES)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	35
		TOTAL SHEETS	65

SHOULDER BACKING	
BRISTOL RD (66063) - PM 10.000 - 10.420	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	43

REPLACE ASPHALT CONCRETE SURFACING		
BRISTOL RD (66063) - PM 10.000 - 10.420		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	147
TOTAL		147

THERMOPLASTIC PAVEMENT MARKINGS				
BRISTOL RD (66063) - PM 10.000 - 10.420				
POST MILE	LOCATION	PAVEMENT MARKINGS		
		WORDS		LINES
		STOP	AHEAD	12" WHITE
		22 SF	31 SF	
10.358	RT	1		
10.364	RT		1	
10.405	RT	1		
10.407	RT			15
TOTAL COUNT		2	1	15
ITEM TOTAL		44	31	15
TOTAL			90	

ADJUST EXISTING FACILITIES TO GRADE			
BRISTOL RD (66063) - PM 10.000 - 10.420			
POST MILE	LOCATION	CENTERLINE OFFSET	DROP INLET
		FT	EA
10.219	RT	8	1
TOTALS			1






OVERLAY ASPHALT CONCRETE						
BRISTOL RD (66063) - PM 10.000 - 10.420						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.000	10.008	0.01	25	1000	230	17
10.008	10.035	0.03	11	1568	361	27
10.035	10.123	0.09	10	4646	1069	80
10.123	10.211	0.09	15	6970	1603	120
10.211	10.240	0.03	21	3216	740	55
10.240	10.312	0.07	19	7223	1661	125
10.312	10.337	0.03	15	1980	455	34
10.337	10.400	0.06	20	6653	1530	115
TOTAL						574

MISCELLANEOUS ASPHALT CONCRETE							
BRISTOL RD (66063) - PM 10.000 - 10.420							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.006	LT	2601 BRISTOL RD	1	20	10	23	3
10.069	LT	2489 BRISTOL RD	1	20	10	23	3
10.099	RT	2530 BRISTOL RD	1	25	10	28	4
10.194	LT	2417 BRISTOL RD	1	25	10	28	4
10.198	RT	2500 BRISTOL RD	1	35	10	39	6
10.221	RT		1	20	10	23	3
10.242	LT	2413 BRISTOL RD	1	25	10	28	4
10.315	RT	2400 BRISTOL RD	1	20	10	23	3
TOTAL						215	30

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

ADDENDUM NO. 1

Path: S:\DRA\ENR\Design\Current\Projects\22101 - 2017 Fire Debris Damaged Roads Paving Project\1 - Plans\22101-1 - Quantities.dwg, Plot Date: Mar 24, 2022 at 11:21

DESIGN BY	CR	 REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b> DATE: 3/24/2022 REVISION: 1 - ADD CONSTRUCT WELL MONUMENT TABLE BY: HGM APPROVED: 		 <b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT ROAD NUMBER: 66063 BUDGET NUMBER: C22101
DRAWING BY	CR		CONSTRUCTION COMPLETED: _____ RESIDENT ENGINEER AS BUILT DRAWINGS BY: _____	<b>QUANTITY SUMMARIES</b> <b>BRISTOL RD (66063)</b>		FISCAL YEAR: 2021-22 SHEET NUMBER: 36
CHECKED BY	HGM		PLANS APPROVAL DATE: 2/23/2022	TOTAL SHEETS: 65		









CONSTRUCT WELL MONUMENT	
LAWNDALE RD (76023) - PM 10.000 - 11.720	
LOCATION	QUANTITY
	EA
LOCATED BY ENGINEER	60



SHOULDER BACKING	
LAWNDALE RD (76023) - PM 10.000 - 11.720	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	187

REPLACE ASPHALT CONCRETE SURFACING		
LAWNDALE RD (76023) - PM 10.000 - 11.720		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	436
<b>TOTAL</b>		<b>436</b>

THERMOPLASTIC PAVEMENT MARKINGS				
LAWNDALE RD (76023) - PM 10.000 - 11.720				
POST MILE	LOCATION	PAVEMENT MARKINGS		
		WORDS		LINES
		STOP	AHEAD	12" WHITE
		22 SF	31 SF	
10.001	LT			18
10.002	LT	1		
10.970	RT	1		
10.977	RT		1	
11.011	RT	1		
11.013	RT			15
11.016	LT			15
11.019	LT	1		
11.061	LT		1	
11.072	LT	1		
<b>TOTAL COUNT</b>		<b>5</b>	<b>2</b>	<b>48</b>
<b>ITEM TOTAL</b>		<b>110</b>	<b>62</b>	<b>48</b>
<b>TOTAL</b>		<b>220</b>		

OVERLAY ASPHALT CONCRETE						
LAWNDALE RD (76023) - PM 10.000 - 11.720						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.017	10.051	0.03	18	3231	743	56
10.051	10.133	0.08	15	6494	1494	112
10.133	10.200	0.07	14	4953	1139	85
10.200	10.261	0.06	14	4509	1037	78
10.261	10.534	0.27	14	20180	4641	348
10.534	10.600	0.07	18	6098	1403	105
10.600	10.628	0.03	19	2809	646	48
10.628	10.729	0.10	19	9866	2269	170
10.729	10.811	0.08	17	7144	1643	123
10.811	10.860	0.05	17	4398	1012	76
10.860	10.947	0.09	19	8498	1955	147
10.947	11.025	0.08	19	7825	1800	135
11.025	11.266	0.24	19	24177	5561	417
11.266	11.360	0.09	19	9182	2112	158
11.360	11.630	0.27	19	26374	6066	455
11.630	11.700	0.07	19	7022	1615	121
11.700	11.720	0.02	19	2006	461	35
<b>TOTAL</b>						<b>2670</b>


MISCELLANEOUS ASPHALT CONCRETE							
LAWNDALE RD (76023) - PM 10.000 - 11.720							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.030	RT	FIELD ENTRANCE	1	15	10	17	3
10.075	LT	FIELD ENTRANCE	1	17	10	19	3
10.194	RT	ROSSI RANCH	1	25	10	28	5
10.201	LT	3502 LAWNDALE RD	1	20	10	23	4
10.378	RT	FIELD ENTRANCE	1	15	10	17	3
10.394	LT	FIELD ENTRANCE	1	18	10	20	4
10.426	LT	3500 LAWNDALE RD	1	20	10	23	4
10.638	RT	FIELD ENTRANCE	1	20	10	23	4
10.656	LT	2930 LAWNDALE RD	1	15	10	17	3
10.708	RT	2929 LAWNDALE RD	1	20	10	23	4
10.746	LT	2680 LAWNDALE RD	1	25	10	28	5
10.812	RT	2689 LAWNDALE RD	1	15	10	17	3
10.814	LT	2600 LAWNDALE RD	1	15	10	17	3
10.862	LT	2592 LAWNDALE RD	1	18	10	20	4
10.888	LT	FIELD ENTRANCE	1	20	10	23	4
10.903	RT	2585 LAWNDALE RD	1	15	10	17	3
10.919	LT	2580 LAWNDALE RD	1	20	10	23	4
10.955	LT	2530 LAWNDALE RD	1	24	10	27	5
10.989	RT		1	20	10	23	4
11.115	LT	2395 LAWNDALE RD	1	15	10	17	3
11.132	LT	2393 LAWNDALE RD	1	15	10	17	3
11.195	RT	2346 LAWNDALE RD	1	18	10	20	4
11.210	LT	2323 LAWNDALE RD	1	18	10	20	4
11.245	RT	2334 LAWNDALE RD	1	20	10	23	4
11.262	LT	2045 LAWNDALE RD	1	30	10	34	6
11.354	RT	2040 LAWNDALE RD	1	20	10	23	4
11.411	RT	2000 LAWNDALE RD	1	25	10	28	5
11.432	LT	1995 LAWNDALE RD	1	25	10	28	5
11.456	RT	1920 LAWNDALE RD	1	15	10	17	3
11.498	RT	1910 LAWNDALE RD	1	25	10	28	5
11.505	RT	1900 LAWNDALE RD (RT)	1	20	10	23	4
11.527	RT	1900 LAWNDALE RD (LT)	1	15	10	17	3
11.541	RT	FIELD ENTRANCE	1	12	10	14	3
11.580	RT	FIELD ENTRANCE	1	11	10	13	2
11.579	LT	1809 LAWNDALE RD (LT)	1	15	10	17	3
11.605	LT	1809 LAWNDALE RD (RT)	1	25	10	28	5
<b>TOTAL</b>						<b>772</b>	<b>138</b>

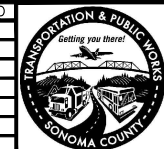
\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

COLD PLANE ASPHALT CONCRETE						
LAWNDALE RD (76023) - PM 10.000 - 11.720						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.020	10.029	END BRIDGE	BRIDGE	18	50	100
11.711	11.720	END PROJECT	LONGITUDINAL	24	50	133
<b>TOTAL</b>						<b>233</b>

ADDENDUM NO. 1

Plot: S:\DRA\DWG\Design\Current\Projects\22201 - 2017 Fire Debris Damaged Roads Paving Project - 1 Project\100 Final\Project Plans\00 - Quantities.dwg Plot Date: Mar 24, 2022 at 10:29

DESIGN BY	CR	 REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION DATE: 3/24/2022 REVISION: ADD CONSTRUCT WELL MONUMENT TABLE BY: HGM APPROVED: SBA			2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT <b>QUANTITY SUMMARIES</b> <b>LAWNDALE RD (76023)</b>	ROAD NUMBER	76023	
DRAWING BY	CR		2/23/2022 PLANS APPROVAL DATE	CONSTRUCTION COMPLETED: RESIDENT ENGINEER AS BUILT DRAWINGS BY:			BUDGET NUMBER	C22101	
CHECKED BY	HGM						FISCAL YEAR	2021-22	
						SHEET NUMBER	39		
						TOTAL SHEETS	65		



**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

SHOULDER BACKING	
MERVIN AVE (76017) - PM 10.000 - 10.250	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	439

REPLACE ASPHALT CONCRETE SURFACING		
MERVIN AVE (76017) - PM 10.000 - 10.250		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	91
<b>TOTAL</b>		<b>91</b>

**1**

CONSTRUCT WELL MONUMENT	
MERVIN AVE (76017) - PM 10.000 - 10.250	
LOCATION	QUANTITY
	EA
LOCATED BY ENGINEER	1

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS			
MERVIN AVE (76017) - PM 10.000 - 10.250			
CALTRANS DETAIL	LOCATION	POST MILE	PAVEMENT MARKERS
			BLUE
			EA
BLUE RPM	LT	10.180	1
<b>TOTAL</b>			<b>1</b>

ADJUST EXISTING FACILITIES TO GRADE			
MERVIN AVE (76017) - PM 10.000 - 10.250			
POST MILE	LOCATION	CENTERLINE OFFSET	WATER VALVE
		FT	EA
10.042	LT	1	1
<b>TOTALS</b>			<b>1</b>

THERMOPLASTIC PAVEMENT MARKINGS			
MERVIN AVE (76017) - PM 10.000 - 10.250			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
		22 SF	
10.244	RT	1	
10.246	RT		15
<b>TOTAL COUNT</b>		<b>1</b>	<b>15</b>
<b>ITEM TOTAL</b>		<b>22</b>	<b>15</b>
<b>TOTAL</b>		<b>37</b>	

MISCELLANEOUS ASPHALT CONCRETE							
MERVIN AVE (76017) - PM 10.000 - 10.250							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.004	RT		1	12	10	14	3
10.079	LT	9300 MERVIN AVE	1	15	10	17	3
10.097	LT	9412 MERVIN AVE (LT)	1	15	10	17	3
10.108	LT	9412 MERVIN AVE (RT)	1	15	10	17	3
10.155	LT		1	20	10	23	4
10.170	LT		1	20	10	23	4
10.175	RT	FIELD ENTRANCE	1	22	10	25	4
10.238	LT	FIELD ENTRANCE	1	15	10	17	3
<b>TOTAL</b>						<b>153</b>	<b>27</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

OVERLAY ASPHALT CONCRETE						
MERVIN AVE (76017) - PM 10.000 - 10.250						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPHALT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.000	10.080	0.08	15	6336	1457	109
10.075	10.100	0.03	13	1716	395	30
10.100	10.250	0.15	13	10296	2368	178
<b>TOTAL</b>						<b>317</b>

COLD PLANE ASPHALT CONCRETE						
MERVIN AVE (76017) - PM 10.000 - 10.250						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.240	10.249	WARM SPRINGS RD	LONGITUDINAL	13	50	72
<b>TOTAL</b>						<b>72</b>

ADDENDUM NO. 1

Project: S:\DRA\2022\Design\222101 - 2017 Fire Debris Damaged Roads Paving Project (1) - Project\1000 Plan\Project Plans\CAI Rev\CAI\1 - Quantities.dwg, Plot Date: Mar 24, 2022 at 10:30

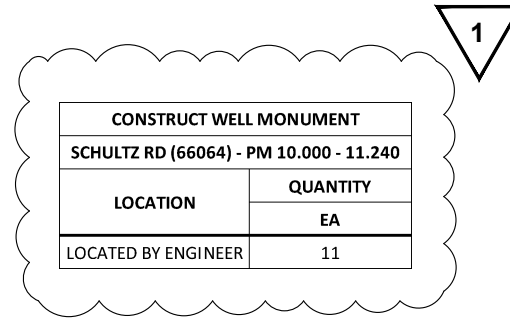
DESIGN BY	CR	 REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL ENGINEER STATE OF CALIFORNIA	<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b> CONSTRUCTION COMPLETED: _____ RESIDENT ENGINEER AS BUILT DRAWINGS BY: _____	DATE	3/24/2022	REVISION	ADD CONSTRUCT WELL MONUMENT TABLE	BY	HGM	APPROVED	 <b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT <b>QUANTITY SUMMARIES</b> <b>MERVIN AVE (76017)</b>	ROAD NUMBER	76017
DRAWING BY	CR		2/23/2022	PLANS APPROVAL DATE								BUDGET NUMBER	C22101	
CHECKED BY	HGM											FISCAL YEAR	2021-22	
												SHEET NUMBER	40	
												TOTAL SHEETS	65	



SHOULDER BACKING	
SCHULTZ RD (66064) - PM 10.000 - 11.240	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	58

REPLACE ASPHALT CONCRETE SURFACING		
SCHULTZ RD (66064) - PM 10.000 - 11.240		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	62
<b>TOTAL</b>		<b>62</b>

THERMOPLASTIC PAVEMENT MARKINGS			
SCHULTZ RD (66064) - PM 10.000 - 11.240			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
		22 SF	
10.004	LT		20
11.231	RT	1	
11.233	RT		15
<b>TOTAL COUNT</b>		<b>1</b>	<b>35</b>
<b>ITEM TOTAL</b>		<b>22</b>	<b>35</b>
<b>TOTAL</b>		<b>57</b>	



MISCELLANEOUS ASPHALT CONCRETE							
SCHULTZ RD (66064) - PM 10.000 - 11.240							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.114	RT	2320 SCHULTZ RD	1	30	10	34	6
10.118	LT	2315 SCHULTZ RD	1	25	10	28	5
10.245	RT	2240 SCHULTZ RD	1	25	10	28	5
10.275	LT	2215 SCHULTZ RD	1	20	10	23	4
10.283	LT	2201 SCHULTZ RD	1	20	10	23	4
10.361	LT	2151 SCHULTZ RD	1	20	10	23	4
10.368	RT	2150 SCHULTZ RD	1	25	10	28	5
10.395	RT	2070 SCHULTZ RD	1	35	10	39	7
10.421	RT	2070 SCHULTZ RD	1	30	10	34	6
10.454	RT	FIELD ENTRANCE	1	25	10	28	5
10.456	LT	2001 SCHULTZ RD	1	20	10	23	4
10.460	LT	2001 SCHULTZ RD	1	20	10	23	4
10.484	RT	2068 SCHULTZ RD	1	20	10	23	4
10.531	RT	2050 SCHULTZ RD	1	25	10	28	5
10.538	RT	1930 SCHULTZ RD	1	30	10	34	6
10.652	RT	1930 SCHULTZ RD	1	30	10	34	6
10.667	RT	1800 SCHULTZ RD (LT)	1	20	10	23	4
10.752	RT	1800 SCHULTZ RD (RT)	1	25	10	28	5
10.760	RT	1780 SCHULTZ RD	1	20	10	23	4
10.791	RT	1750 SCHULTZ RD	1	20	10	23	4
10.803	LT	1747 SCHULTZ RD	1	30	10	34	6
10.823	RT	FIELD ENTRANCE	1	20	10	23	4
10.984	RT	1670 SCHULTZ RD	2	15			
<b>TOTAL</b>						<b>607</b>	<b>107</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

OVERLAY ASPHALT CONCRETE						
SCHULTZ RD (66064) - PM 10.000 - 11.240						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.000	10.006	0.01	47	1395	321	24
10.006	10.066	0.06	15	4752	1093	82
10.066	10.393	0.33	13	22445	5162	387
10.393	10.660	0.27	10	14098	3242	243
10.660	10.820	0.16	13	10982	2526	189
10.820	10.869	0.05	15	3881	893	67
10.869	10.972	0.10	16	8701	2001	150
10.972	10.989	0.02	15	1346	310	23
10.989	11.038	0.05	19	4916	1131	85
11.038	11.152	0.11	18	10835	2492	187
11.152	11.231	0.08	16	6674	1535	115
11.231	11.240	0.01	57	2825	650	49
<b>TOTAL</b>						<b>1602</b>

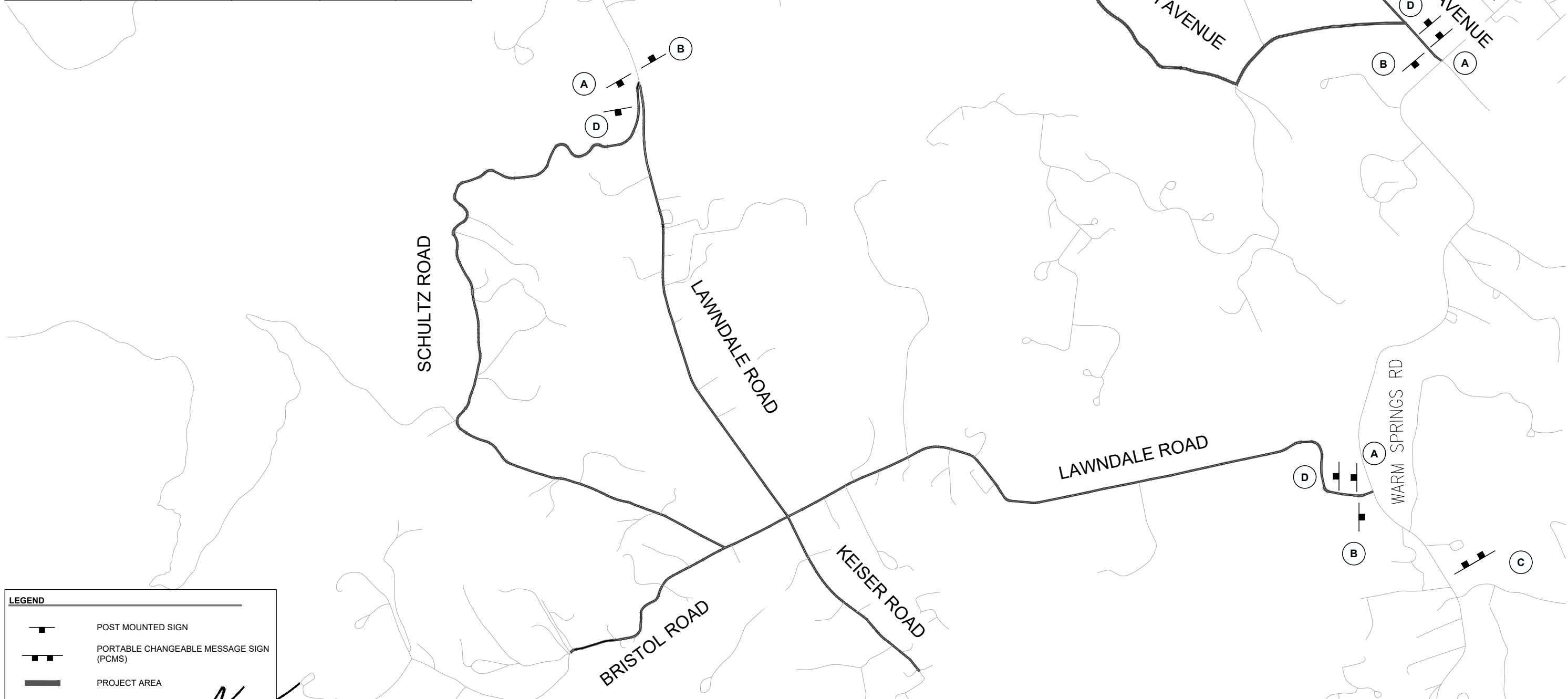
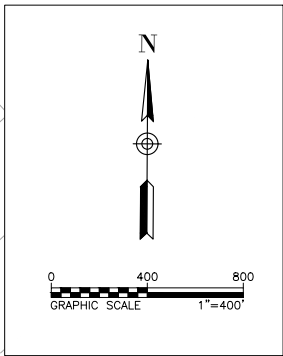
COLD PLANE ASPHALT CONCRETE						
SCHULTZ RD (66064) - PM 10.000 - 11.240						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.984		RT, 1670 SCHULTZ RD	DRIVEWAY (TYPE 2)	4	15	7
11.231	11.240	END PROJECT	LONGITUDINAL	57	50	317
<b>TOTAL</b>						<b>324</b>

ADDENDUM NO. 1

Plot: S:\DRA\2022\Design\Drawings\222101 - 2017 Fire Debris Damaged Roads Paving Project - 1 Project\222101 Fire Debris Damaged Roads Paving Project - 1 - Quantities.dwg Plot Date: Mar 24, 2022 at 10:33

DESIGN BY	CR	REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b> CONSTRUCTION COMPLETED: _____ RESIDENT ENGINEER AS BUILT DRAWINGS BY: _____	DATE	3/24/2022	REVISION	ADD CONSTRUCT WELL MONUMENT TABLE	BY	HGM	APPROVED	<b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT <b>QUANTITY SUMMARIES</b> <b>SCHULTZ RD (66064)</b>	ROAD NUMBER	66064
DRAWING BY	CR		PLANS APPROVAL DATE	2/23/2022								BUDGET NUMBER	C22101	
CHECKED BY	HGM											FISCAL YEAR	2021-22	
												SHEET NUMBER	41	
												TOTAL SHEETS	65	

CONSTRUCTION AREA SIGNS					
SIGN LETTER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	TOTAL NUMBER OF SIGNS
A	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 4" X 4"	3
B	G20-2	36" X 36"	END ROAD WORK	1 - 4" X 4"	3
C	PCMS	N/A	CHANGEABLE	N/A	3
D	N/A	30" X 45"	PROJECT INFORMATION SIGN	1 - 4" X 4"	3



LEGEND	
	POST MOUNTED SIGN
	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	PROJECT AREA

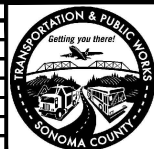
File: S:\Databases\Design\Projects\22101 - 17 - 1 Project\CAD\Plan\Plan.dwg, Plot Date: 06/23/2022 at 10:08 AM

REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED

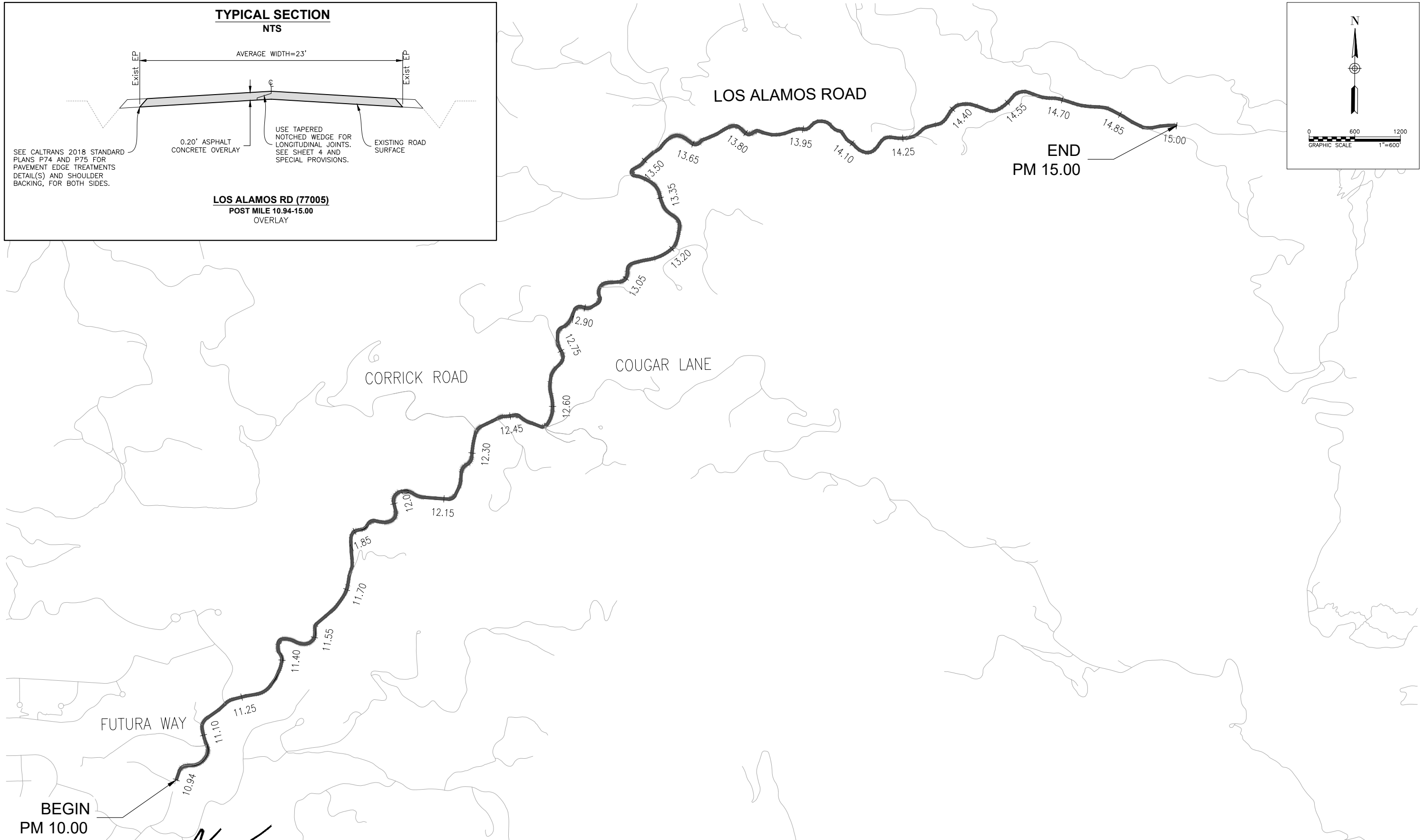
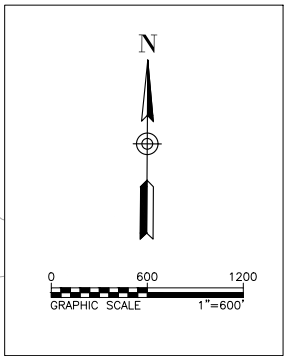
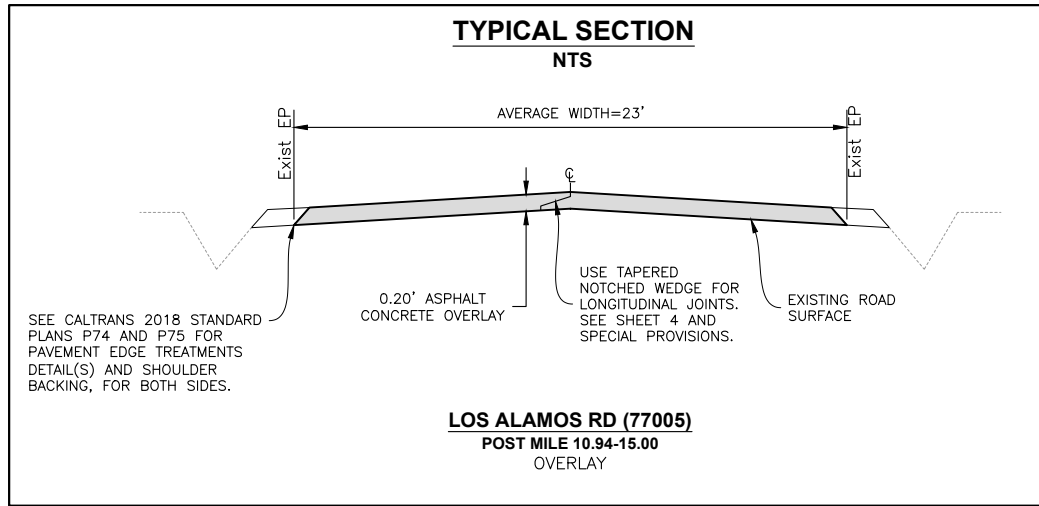
CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	VARIABLES
LAYOUT LAWNDALE AREA (VARIES)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	42
		TOTAL SHEETS	65





Plot: S:\WORKING\Design\Projects\22201 - 17 - 1 Project\22201 Final\Project Plans\22201-17-1- Los Alamos Rd Layout.dwg Plot Date: 06/23/2022 at 12:42

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

*[Signature]*  
REGISTERED CIVIL ENGINEER  
2/23/2022  
PLANS APPROVAL DATE



**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**

CONSTRUCTION COMPLETED: \_\_\_\_\_

RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

**LAYOUT**  
**LOS ALAMOS RD (77005)**

ROAD NUMBER	77005
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	43
TOTAL SHEETS	65





MISCELLANEOUS ASPHALT CONCRETE							
LOS ALAMOS RD (77005) - PM 10.940 - 15.000							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
11.114	LT	FIELD ENTRANCE	1	25	10	28	5
11.180	RT	965 LOS ALAMOS ROAD	1	12	10	14	3
11.193	LT	FIELD ENTRANCE	1	25	10	28	5
11.735	RT	1003 LOS ALAMOS ROAD	1	15	10	17	3
11.838	LT	1111 LOS ALAMOS ROAD	1	30	10	34	6
11.886	LT	1113 LOS ALAMOS ROAD	1	25	10	28	5
11.898	RT	1225 LOS ALAMOS ROAD	1	25	10	28	5
12.287	LT	1236 LOS ALAMOS ROAD	1	25	10	28	5
12.345	LT	PRIVATE ROAD	1	25	SEE COLD PLANE AC TABLE		
12.406	RT	1369 LOS ALAMOS ROAD	1	20	10	23	4
12.533	RT	1451 LOS ALAMOS ROAD	1	30	10	34	6
12.538	RT	PRIVATE ROAD	1	25	SEE COLD PLANE AC TABLE		
12.597	LT	1444 LOS ALAMOS ROAD	2	25	SEE COLD PLANE AC TABLE		
12.623	LT	1444 LOS ALAMOS ROAD	2	20	SEE COLD PLANE AC TABLE		
12.724	RT	1476 LOS ALAMOS ROAD	1	30	10	34	6
12.726	LT	1471 LOS ALAMOS ROAD	2	20	SEE COLD PLANE AC TABLE		
12.766	LT	1486 LOS ALAMOS ROAD	1	20	10	23	4
12.967	LT	FIELD ENTRANCE	1	15	10	17	3
12.977	RT	1502 LOS ALAMOS RD	1	30	10	34	6
13.203	RT	FIELD ENTRANCE	1	20	10	23	4
13.448	LT	1820 LOS ALAMOS ROAD	1	20	10	23	4
13.528	LT	1500 - 1970 LOS ALAMOS ROAD	1	30	10	34	6
13.773	LT	FIELD ENTRANCE	1	15	10	17	3
13.787	LT	FIELD ENTRANCE	1	15	10	17	3
14.052	LT	1675 LOS ALAMOS ROAD	1	15	10	17	3
14.256	LT	2250 LOS ALAMOS ROAD	1	20	10	23	4
14.280	RT	1700 LOS ALAMOS ROAD	1	20	10	23	4
14.287	RT	1700 LOS ALAMOS ROAD	1	20	10	23	4
<b>TOTAL</b>						<b>570</b>	<b>101</b>

COLD PLANE ASPHALT CONCRETE							
LOS ALAMOS RD (77005) - PM 10.940 - 15.000							
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA	COMMENTS
FROM	TO			LF	LF	SY	
10.940	10.950	BEGIN PROJECT	LONGITUDINAL	26	50	144	
11.063		FUTURA WAY	SIDE STREET	86	50	478	
11.238	11.387	ALONG GUARDRAIL	DRIVEWAY (TYPE 2)	787	4	350	
12.345		LT, CORRICK RD	SIDE STREET	25	50	139	
12.538		RT, COUGAR LN	SIDE STREET	25	50	139	
12.597		1444 LOS ALAMOS RD	DRIVEWAY (TYPE 2)	25	4	11	
12.623		1444 LOS ALAMOS RD	DRIVEWAY (TYPE 2)	20	4	9	
12.726		1471 LOS ALAMOS RD	DRIVEWAY (TYPE 2)	20	4	9	
12.796	12.806	BEGIN CATTLE GUARD	LONGITUDINAL	16	50	89	
12.807	12.817	END CATTLE GUARD	LONGITUDINAL	16	50	89	
13.543	13.553	BEGIN CATTLE GUARD	LONGITUDINAL	20	50	111	
13.554	13.564	END CATTLE GUARD	LONGITUDINAL	20	50	111	
14.079	14.089	BEGIN CATTLE GUARD	LONGITUDINAL	18	50	100	
14.090	14.100	END CATTLE GUARD	LONGITUDINAL	18	50	100	
<b>TOTAL</b>						<b>1879</b>	

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

<b>CONSTRUCT WELL MONUMENT</b>	
<b>LOS ALAMOS RD (77005) - PM 10.940 - 15.000</b>	
<b>LOCATION</b>	<b>QUANTITY</b>
LOCATED BY ENGINEER	EA 10

MIDWEST GUARDRAIL SYSTEM												
LOS ALAMOS RD (77005) - PM 10.940 - 15.000												
POSTMILE		LOCATION	INSTALL MIDWEST GUARDRAIL SYSTEM*	INSTALL MIDWEST GUARDRAIL SYSTEM - HEADWALL	END ANCHOR ASSEMBLY	TERMINAL SYSTEM			TERMINAL SECTION		REMOVE GUARDRAIL	COMMENTS
						SFT	MSKT	FLEAT	TYPE A	TYPE C		
FROM	TO		LF	LF	EA	EA	EA	EA	EA	EA	LF	
11.564	11.578	RT		62.5	1				1	1	75	ON APPROACH END CAP TYPE A, SFT WITH END CAP TYPE C ON TRAILING END. SPANS ALONG RETAINING WALL.
11.908	11.936	RT	56.25			2					156.25	
12.168	12.274	RT	487.5					2			562.5	SALVAGE REMOVED GUARDRAIL AS DIRECTED BY ENGINEER.
12.867	12.893	RT	112.5		2					2	137.5	SALVAGE REMOVED GUARDRAIL AS DIRECTED BY ENGINEER. ON APPROACH SFT WITH RADIUS AND END CAP TYPE C, SFT WITH END CAP TYPE C ON TRAILING END
<b>TOTAL</b>			<b>657</b>	<b>63</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>932</b>		

\*REUSE SALVAGED GUARDRAIL SEGMENTS, POSTS, BLOCKS AND END TREATMENTS AS DIRECTED BY ENGINEER.

ADDENDUM NO. 1

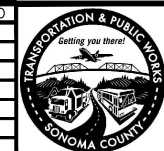
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 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA



2/23/2022  
 PLANS APPROVAL DATE

"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED:  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY:

DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE AND UPDATE GUARDRAIL TABLE	HGM	<i>[Signature]</i>



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

**QUANTITY SUMMARIES 2 OF 2**  
**LOS ALAMOS RD (77005)**

ROAD NUMBER	77005
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	45
TOTAL SHEETS	65











MISCELLANEOUS ASPHALT CONCRETE							
LOVALL VALLEY RD (55040B) - PM 10.61 - 13.560							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.620	RT	1025 LOVALL VALLEY RD	1	20	10	23	4
10.661	RT	1075 LOVALL VALLEY RD	1	20	10	23	4
10.676	RT	1125 LOVALL VALLEY RD	1	20	10	23	4
10.676	LT	FIELD ENTRANCE	1	15	10	17	3
10.684	RT	1125 LOVALL VALLEY RD	1	20	10	23	4
10.700	LT	1130 LOVALL VALLEY RD	1	50	10	56	9
10.708	RT	1143 LOVALL VALLEY RD	1	15	10	17	3
10.728	RT	1139 LOVALL VALLEY RD	1	25	10	28	5
10.728	LT	1136 LOVALL VALLEY RD	1	25	10	28	5
10.745	LT	1140 LOVALL VALLEY RD	2	25	SEE COLD PLANE AC TABLE		
10.761	LT	1040 LOVALL VALLEY RD	1	25	10	28	5
10.777	LT	1144 LOVALL VALLEY RD	1	20	10	23	4
10.795	LT	1150 LOVALL VALLEY RD	1	20	10	23	4
10.819	LT	1250 LOVALL VALLEY RD	2	20	SEE COLD PLANE AC TABLE		
10.834	RT		1	20	10	23	4
10.837	LT	1250 LOVALL VALLEY RD	1	25	10	28	5
10.870	LT	1270 LOVALL VALLEY RD	1	35	10	39	7
10.877	RT	FIELD ENTRANCE	1	20	10	23	4
10.948	RT	1403 LOVALL VALLEY RD	1	20	10	23	4
10.967	RT	1405 LOVALL VALLEY RD	1	30	10	34	6
10.978	LT	1402 LOVALL VALLEY RD	1	15	10	17	3
10.993	LT	1404 LOVALL VALLEY RD	1	15	10	17	3
11.004	LT	1407 LOVALL VALLEY RD	1	20	10	23	4
11.006	LT	1404 LOVALL VALLEY RD	1	25	10	28	5
11.013	LT	1406 LOVALL VALLEY RD	1	25	10	28	5
11.025	LT	1408 LOVALL VALLEY RD	1	15	10	17	3
11.027	RT	1411 LOVALL VALLEY RD	1	20	10	23	4
11.036	RT	1415 LOVALL VALLEY RD	1	25	10	28	5
11.042	LT	FIELD ENTRANCE	1	20	10	23	4
11.064	LT	FIELD ENTRANCE	1	15	10	17	3
11.084	LT	1418 LOVALL VALLEY RD	1	20	10	23	4
11.090	LT	1420 LOVALL VALLEY RD	1	15	10	17	3
11.123	LT	1440 LOVALL VALLEY RD	1	15	10	17	3
11.133	LT	1440 LOVALL VALLEY RD	1	15	10	17	3
11.154	LT	FIELD ENTRANCE	1	15	10	17	3
11.166	RT	DESILU DR	1	20	10	23	4
11.201	LT	1590 LOVALL VALLEY RD	1	15	10	17	3
11.214	LT	1610 LOVALL VALLEY RD	1	20	10	23	4
11.238	RT	FIELD ENTRANCE	1	15	10	17	3
11.246	RT	FIELD ENTRANCE	1	15	10	17	3
11.255	LT	1624 LOVALL VALLEY RD	2	22	SEE COLD PLANE AC TABLE		
11.258	RT	1635 LOVALL VALLEY RD	1	25	10	28	5
11.264	LT	1630 LOVALL VALLEY RD	1	20	10	23	4
11.270	LT	1638 LOVALL VALLEY RD	1	15	10	17	3

MISCELLANEOUS ASPHALT CONCRETE								
LOVALL VALLEY RD (55040B) - PM 10.61 - 13.560								
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE	
				LF	LF	SY	TONS	
11.271	RT	1635 LOVALL VALLEY RD	1	25	10	28	5	
11.282	RT	1635 LOVALL VALLEY RD	2	20	SEE COLD PLANE AC TABLE			
11.301	RT	1695 LOVALL VALLEY RD	1	15	10	17	3	
11.371	RT	1721 LOVALL VALLEY RD	1	20	10	23	4	
11.393	RT	1745 LOVALL VALLEY RD	1	20	10	23	4	
11.397	RT	1745 LOVALL VALLEY RD	1	20	10	23	4	
11.415	RT	1795 LOVALL VALLEY RD	1	15	10	17	3	
11.436	RT	1795 LOVALL VALLEY RD	1	15	10	17	3	
11.441	LT		1	30	10	34	6	
11.476	LT	1820 LOVALL VALLEY RD	1	25	10	28	5	
11.494	LT	1850 LOVALL VALLEY RD	1	20	10	23	4	
11.518	LT	1900 LOVALL VALLEY RD	1	25	10	28	5	
11.551	LT	FIELD ENTRANCE	1	20	10	23	4	
11.621	RT	FIELD ENTRANCE	1	15	10	17	3	
11.633	LT	2000 LOVALL VALLEY RD	2	25	SEE COLD PLANE AC TABLE			
11.653	LT	2000 LOVALL VALLEY RD	1	15	10	17	3	
11.667	LT	2030 LOVALL VALLEY RD	1	20	10	23	4	
11.712	LT	2050 LOVALL VALLEY RD	1	20	10	23	4	
11.749	LT	2100 LOVALL VALLEY RD	1	15	10	17	3	
11.753	RT	2151 LOVALL VALLEY RD	1	15	10	17	3	
11.951	LT	2120 LOVALL VALLEY RD	1	20	10	23	4	
11.960	LT	2320 LOVALL VALLEY RD	1	20	10	23	4	
12.009	RT	2377 LOVALL VALLEY RD	1	20	10	23	4	
12.234	LT	2320 LOVALL VALLEY RD	1	35	10	39	7	
12.617	RT	2700 LOVALL VALLEY RD	1	40	10	45	7	
12.645	LT	3144 LOVALL VALLEY RD	1	25	10	28	5	
12.649	LT	19000 LOVALL VALLEY RD	1	20	10	23	4	
12.672	RT	3075 LOVALL VALLEY RD	1	25	10	28	5	
12.985	RT	3215 LOVALL VALLEY RD	1	40	10	45	7	
13.055	LT	PRIVATE RD	1	15	10	17	3	
13.071	LT	PRIVATE RD	1	20	10	23	4	
13.163	LT	3640 LOVALL VALLEY RD	1	15	10	17	3	
13.170	LT	3662 LOVALL VALLEY RD	1	15	10	17	3	
13.217	LT	3650 LOVALL VALLEY RD	1	30	10	34	6	
13.249	LT	3770 LOVALL VALLEY RD	1	20	10	23	4	
13.336	LT	3866 LOVALL VALLEY RD	1	40	10	45	7	
13.456	RT	3875 LOVALL VALLEY RD	1	45	10	50	8	
13.483	LT	3900 LOVALL VALLEY RD	1	20	10	23	4	
13.519	RT	3939 LOVALL VALLEY RD	2	15	SEE COLD PLANE AC TABLE			
13.529	RT	3961 LOVALL VALLEY RD	1	20	10	23	4	
						<b>TOTAL</b>	<b>1906</b>	<b>331</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

File: S:\Databases\Design\Drawings\22201 - 11 - 1 Project\CAD\Drawings\1 - Quantities.dwg Plot Date: Feb 27, 2022 at 11:18

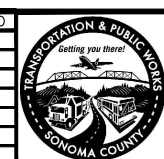
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	55040B
QUANTITY SUMMARIES 2 OF 2 LOVALL VALLEY RD (55040B)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	49
		TOTAL SHEETS	65

ADJUST EXISTING FACILITIES TO GRADE				
THORNSBERRY RD (55043) - PM 10.000 - 11.130				
POST MILE	LOCATION	CENTERLINE OFFSET	WATER METER	WATER VALVE
		FT	EA	EA
10.319	RT	2	1	
10.324	RT	4		2
10.394	RT	2		1
10.453	RT	2		1
10.529	LT	5		1
10.565	RT	2		1
10.605	RT	2		1
10.695	RT	2		1
10.774	RT	2		2
10.918	RT	3		2
10.988	RT	15		2
11.030	RT	4		1
11.035	RT	4		1
11.083	RT	5		1
TOTALS			1	17

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS				
THORNSBERRY RD (55043) - PM 10.000 - 11.130				
CALTRANS DETAIL	LOCATION	POST MILE		PAVEMENT MARKERS
		FROM	TO	BLUE
				EA
BLUE RPM	RT	10.324		1
BLUE RPM	RT	10.394		1
BLUE RPM	RT	10.453		1
BLUE RPM	LT	10.529		1
BLUE RPM	RT	10.565		1
BLUE RPM	RT	10.605		1
BLUE RPM	RT	10.695		1
BLUE RPM	RT	10.774		1
BLUE RPM	RT	10.842		1
BLUE RPM	RT	10.918		1
BLUE RPM	RT	10.988		1
BLUE RPM	LT	11.083		1
TOTAL				12

MISCELLANEOUS ASPHALT CONCRETE							
THORNSBERRY RD (55043) - PM 10.000 - 11.130							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.082	RT	FIELD ENTRANCE	1	15	10	17	3
10.116	RT	2700 THORNSBERRY RD	2	15		SEE COLD PLANE AC TABLE	
10.153	RT	2700 THORNSBERRY RD	2	15		SEE COLD PLANE AC TABLE	
10.196	LT	FIELD ENTRANCE	1	15	10	17	3
10.202	RT	2410 THORNSBERRY RD	1	15	10	17	3
10.248	RT	2380 THORNSBERRY RD	1	40	10	45	7
10.319	LT	FIELD ENTRANCE	1	30	10	34	6
10.327	LT	FIELD ENTRANCE	1	20	10	23	4
10.356	LT	2399 THORNSBERRY RD	1	20	10	23	4
10.363	RT	2376 THORNSBERRY RD	1	20	10	23	4
10.373	LT	2399 THORNSBERRY RD	1	20	10	23	4
10.387	LT	FIELD ENTRANCE	1	15	10	17	3
10.426	RT	2362 THORNSBERRY RD	1	20	10	23	4
10.430	LT	2355 THORNSBERRY RD	1	20	10	23	4
10.438	LT	2355 THORNSBERRY RD	1	20	10	23	4
10.447	LT	2365 THORNSBERRY RD	1	20	10	23	4
10.464	LT	2251 THORNSBERRY RD	1	15	10	17	3
10.490	RT	2300 THORNSBERRY RD	1	20	10	23	4
10.512	RT	2270 THORNSBERRY RD	1	15	10	17	3
10.519	LT	2251 THORNSBERRY RD	1	20	10	23	4
10.560	LT	2211 THORNSBERRY RD	2	25		SEE COLD PLANE AC TABLE	
10.568	LT	2265 THORNSBERRY RD	1	15	10	17	3
10.575	LT	2157 THORNSBERRY RD	1	20	10	23	4
10.579	RT	2198 THORNSBERRY RD	2	20		SEE COLD PLANE AC TABLE	
10.610	RT	2196 THORNSBERRY RD	1	25	10	28	5
10.628	LT	2155 THORNSBERRY RD	1	20	10	23	4
10.640	RT	2190 THORNSBERRY RD	1	35	10	39	7
10.671	LT	2195 THORNSBERRY RD	1	15	10	17	3
10.710	RT	2170 THORNSBERRY RD	1	15	10	17	3
10.768	RT	2170 THORNSBERRY RD	1	25	10	28	5
10.785	RT	2150 THORNSBERRY RD	1	20	10	23	4
10.790	LT	2105 THORNSBERRY RD	1	20	10	23	4
10.803	LT	2117 THORNSBERRY RD	1	25	10	28	5
10.814	RT	2080 THORNSBERRY RD	1	15	10	17	3
10.832	LT	FIELD ENTRANCE	1	25	10	28	5
10.837	LT	2123 THORNSBERRY RD	1	20	10	23	4
10.848	RT	2030 THORNSBERRY RD	1	30	10	34	6
10.892	LT	2025 THORNSBERRY RD	1	20	10	23	4
10.897	RT	2024 THORNSBERRY RD	1	15	10	17	3
10.899	LT	FIELD ENTRANCE	1	15	10	17	3
10.907	LT	2023 THORNSBERRY RD	1	25	10	28	5
10.927	RT	2020 THORNSBERRY RD	2	15		SEE COLD PLANE AC TABLE	
10.939	LT	FIELD ENTRANCE	1	15	10	17	3
10.950	RT	FIELD ENTRANCE	1	20	10	23	4
10.961	LT	2021 THORNSBERRY RD	1	20	10	23	4
10.983	RT	1860 THORNSBERRY RD	1	45	10	50	8
10.993	LT	FIELD ENTRANCE	1	15	10	17	3
11.015	RT	1850 THORNSBERRY RD	1	20	10	23	4
11.024	RT	1878 THORNSBERRY RD	1	20	10	23	4
11.024	LT	FIELD ENTRANCE	1	20	10	23	4
11.032	LT	1846 THORNSBERRY RD	1	20	10	23	4
11.060	LT	1811 THORNSBERRY RD	1	25	10	28	5
11.062	RT	1800 THORNSBERRY RD	1	25	10	28	5
TOTAL						1142	199

ADDENDUM NO. 1

CONSTRUCT WELL MONUMENT	
THORNSBERRY RD (55043) - PM 10.000 - 11.130	
LOCATION	QUANTITY
	EA
LOCATED BY ENGINEER	8



OVERLAY ASPHALT CONCRETE						
THORNSBERRY RD (55043) - PM 10.000 - 11.130						
POST MILE	ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)		VOLUME (ROADWAY)	ASPAHLT CONCRETE
			LF	SF		
10.000	10.181	0.18	12	11468	2638	198
10.181	10.270	0.09	12	5639	1297	97
10.270	10.340	0.07	12	4435	1020	77
10.340	10.936	0.60	15	47203	10857	814
10.936	11.122	0.19	20	19642	4518	339
11.122	11.130	0.01	30	1200	276	21
TOTAL						1545

SHOULDER BACKING	
THORNSBERRY RD (55043) - PM 10.000 - 11.130	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	54

REPLACE ASPHALT CONCRETE SURFACING		
THORNSBERRY RD (55043) - PM 10.000 - 11.130		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	250
TOTAL		250

COLD PLANE ASPHALT CONCRETE					
THORNSBERRY RD (55043) - PM 10.000 - 11.130					
POST MILE	LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
			LF	LF	SY
10.116	RT, 2700 THORNSBERRY RD	DRIVEWAY (TYPE 2)	15	4	7
10.153	RT, 2700 THORNSBERRY RD	DRIVEWAY (TYPE 2)	15	4	7
10.560	LT, 2211 THORNSBERRY RD	DRIVEWAY (TYPE 2)	25	4	11
10.579	RT, 2198 THORNSBERRY RD	DRIVEWAY (TYPE 2)	20	4	9
10.927	RT, 2020 THORNSBERRY RD	DRIVEWAY (TYPE 2)	15	4	7
TOTAL					41

THERMOPLASTIC PAVEMENT MARKINGS			
THORNSBERRY RD (55043) - PM 10.000 - 11.130			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
11.100	RT	1	
11.103	RT		13
TOTAL COUNT		1	13
ITEM TOTAL		22	13
TOTAL			35

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

Project: S:\DRA\55043\Design\Drawings\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project (1) - Project\55043 Fire Debris Damaged Roads Paving Project - Quantities.dwg, Plot Date: Mar 24, 2022 at 10:24

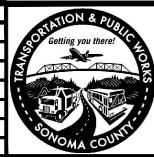
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	SJA



**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

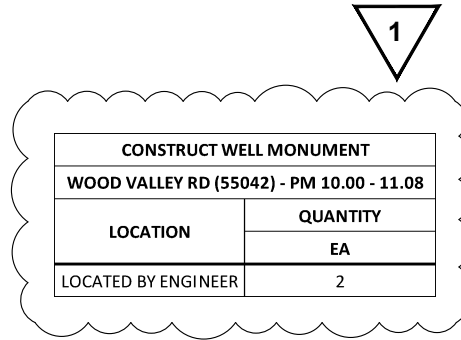
2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	55043
QUANTITY SUMMARIES THORNSBERRY RD (55043)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	50
		TOTAL SHEETS	65



SHOULDER BACKING	
WOOD VALLEY RD (55042) - PM 10.00 - 11.08	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	15

REPLACE ASPHALT CONCRETE SURFACING		
WOOD VALLEY RD (55042) - PM 10.00 - 11.08		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	194
TOTAL		194

THERMOPLASTIC PAVEMENT MARKINGS				
WOOD VALLEY RD (55042) - PM 10.00 - 11.08				
POST MILE	LOCATION	PAVEMENT MARKINGS		
		WORDS		LINES
		STOP	AHEAD	12" WHITE
		22 SF	31 SF	
10.989	RT	1		
10.995	RT		1	
11.059	RT	1		
11.060	RT			23
TOTAL COUNT		2	1	23
ITEM TOTAL		44	31	23
TOTAL		98		



THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS					
WOOD VALLEY RD (55042) - PM 10.00 - 11.08					
CALTRANS DETAIL	LOCATION	POST MILE		4" LINE	PAVEMENT MARKERS
		FROM	TO	LF	TYPE D
					EA
22	CL	10.000	11.070	11299	474
TOTAL				11299	474

OVERLAY ASPHALT CONCRETE						
WOOD VALLEY RD (55042) - PM 10.00 - 11.08						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPHALT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.000	10.500	0.50	23	60720	13966	1047
10.500	10.720	0.22	23	26717	6145	461
10.720	11.070	0.35	24	44352	10201	765
11.070	11.078	0.01	53	2362	543	41
TOTAL						2314

MISCELLANEOUS ASPHALT CONCRETE							
WOOD VALLEY RD (55042) - PM 10.00 - 11.08							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.029	Lt	3655 WOOD VALLEY RD	1	20	10	23	4
10.065	Rt	3660 WOOD VALLEY RD	1	20	10	23	4
10.075	Lt	3621 WOOD VALLEY RD	1	20	10	23	4
10.085	Rt	FIELD ENTRANCE	1	15	10	17	3
10.092	Lt	3605 WOOD VALLEY RD	1	20	10	23	4
10.105	Lt	3605 WOOD VALLEY RD	1	20	10	23	4
10.106	Rt	3590 WOOD VALLEY RD	1	20	10	23	4
10.123	Lt	3575 WOOD VALLEY RD	1	20	10	23	4
10.134	Rt	3556 WOOD VALLEY RD	1	25	10	28	5
10.153	Rt	3550 WOOD VALLEY RD	1	15	10	17	3
10.158	Lt	3525 WOOD VALLEY RD	1	30	10	34	6
10.218	Rt	3500 WOOD VALLEY RD	1	15	10	17	3
10.234	Lt	3485 WOOD VALLEY RD	1	20	10	23	4
10.235	Rt	FIELD ENTRANCE	1	20	10	23	4
10.242	Lt	3475 WOOD VALLEY RD	1	25	10	28	5
10.263	Rt	3440 WOOD VALLEY RD	1	20	10	23	4
10.273	Lt	FIELD ENTRANCE	1	15	10	17	3
10.311	Lt	3395 WOOD VALLEY RD	1	15	10	17	3
10.357	Rt	3360 WOOD VALLEY RD	1	20	10	23	4
10.368	Rt	3330 WOOD VALLEY RD	1	20	10	23	4
10.394	Lt	3303 WOOD VALLEY RD	1	20	10	23	4
10.402	Rt	3328 WOOD VALLEY RD	1	15	10	17	3
10.408	Rt	3290 WOOD VALLEY RD	1	25	10	28	5
10.411	Lt	FIELD ENTRANCE	1	30	10	34	6
10.433	Lt	3203 WOOD VALLEY RD	1	25	10	28	5
10.458	Rt	3220 WOOD VALLEY RD	1	15	10	17	3
10.497	Lt	3157 WOOD VALLEY RD	1	30	10	34	6
10.500	Rt	3200 WOOD VALLEY RD	1	15	10	17	3
10.513	Lt	3105 WOOD VALLEY RD	1	15	10	17	3
10.532	Lt	3105 WOOD VALLEY RD	1	20	10	23	4
10.569	Lt	3053 WOOD VALLEY RD	1	30	10	34	6
10.622	Lt	3001 WOOD VALLEY RD	1	25	10	28	5
10.634	Rt	FIELD ENTRANCE	1	20	10	23	4
10.692	Rt	2970 WOOD VALLEY RD	1	25	10	28	5
10.704	Rt	2950 WOOD VALLEY RD	1	25	10	28	5
10.788	Rt	2920 WOOD VALLEY RD	1	15	10	17	3
11.039	Lt	FIELD ENTRANCE	1	40	10	45	7
TOTAL						892	156

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

ADDENDUM NO. 1

Project: S:\DRA\2022\Design\222101 - 2017 Fire Debris Damaged Roads Paving Project (1) - Project\1000 Plan\Project Plans\05 - Quantities - Plan Date: Mar 24, 2022 at 10:38

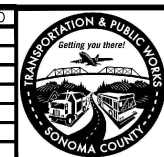
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 2/23/2022  
 PLANS APPROVAL DATE



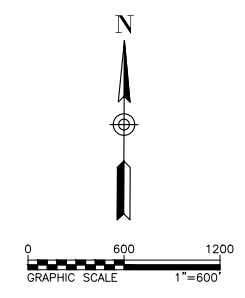
"RECORD DRAWING" INFORMATION TO BE  
 COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER  
 AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	SBU


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	55042
QUANTITY SUMMARIES WOOD VALLEY RD (55042)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	51
		TOTAL SHEETS	65

CONSTRUCTION AREA SIGNS					
SIGN LETTER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	TOTAL NUMBER OF SIGNS
A	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 4" X 4"	3
B	G20-2	36" X 36"	END ROAD WORK	1 - 4" X 4"	3
C	PCMS	N/A	CHANGEABLE	N/A	3
D	N/A	30" X 45"	PROJECT INFORMATION SIGN	1 - 4" X 4"	2




LEGEND	
	POST MOUNTED SIGN
	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	PROJECT AREA

*[Signature]*  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

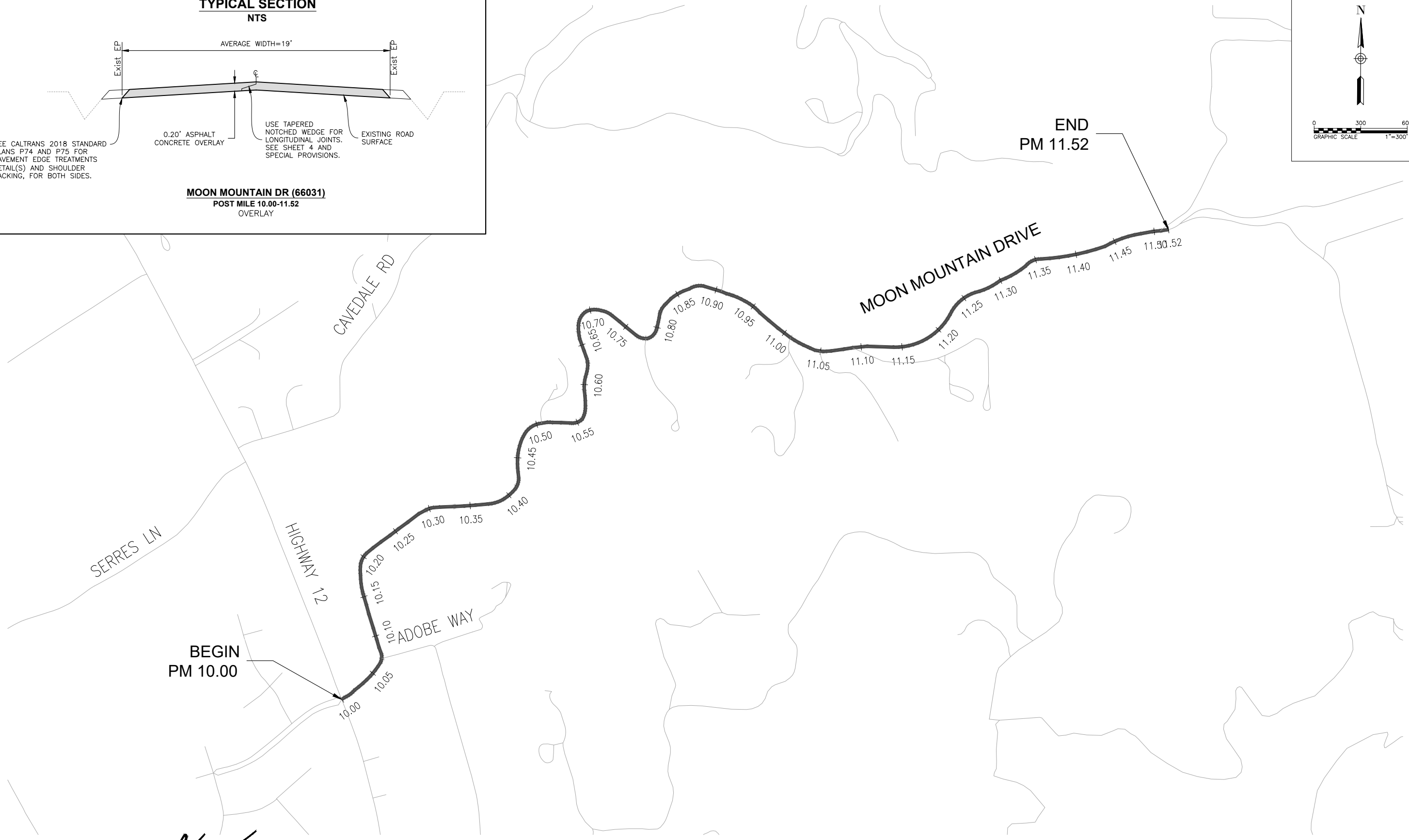
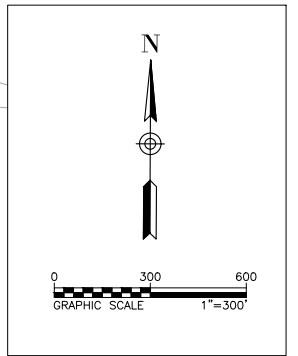
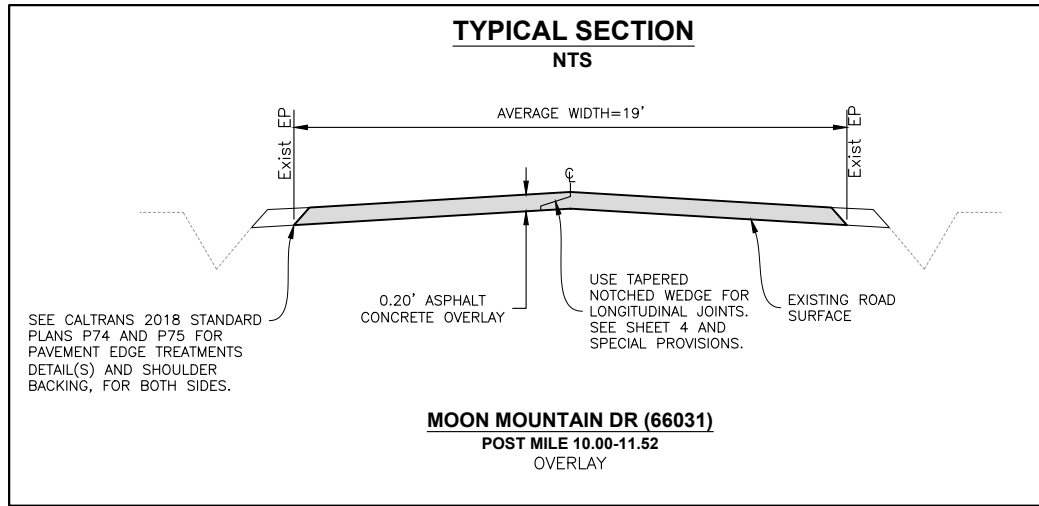


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	VARIES
CONSTRUCTION AREA SIGNS LOVALL VALLEY AREA		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	52
		TOTAL SHEETS	65

Plot: S:\DRAWINGS\Design\General Projects\22101 - Fire 1 Project\2020 Final\Project Plans\20 Final\2022\_02\_23.dwg Plot Date: Feb 23, 2022 at 10:55





Plot: S:\DRAWING\Design\General Projects\22201 - The 1 Project\2020 Final\Project Plans\20 Moon Mountain Dr (66031)\The 1 - Moon Mountain Dr.dwg, Plot Date: 06/22/2022 at 12:14

*[Signature]*  
REGISTERED CIVIL ENGINEER

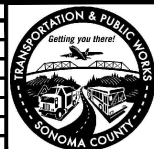


2/23/2022  
PLANS APPROVAL DATE

"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION

CONSTRUCTION COMPLETED:  
RESIDENT ENGINEER  
AS BUILT DRAWINGS BY:

DATE	REVISION	BY	APPROVED



**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

**LAYOUT**  
**MOON MOUNTAIN DR (66031)**

ROAD NUMBER	66031
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	53
TOTAL SHEETS	65

REPLACE ASPHALT CONCRETE SURFACING		
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	151
<b>TOTAL</b>		<b>151</b>

CONSTRUCT WELL MONUMENT	
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520	
LOCATION	QUANTITY
	EA
LOCATED BY ENGINEER	11



THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS					
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520					
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES	PAVEMENT MARKERS
				4" LINE	MARKERS
		YELLOW	TYPE D		
FROM	TO	LF	EA		
22	CL	10.009	10.074	686	32
22	CL	10.084	10.581	5248	222
<b>SIDE STREETS</b>					
22	Adobe Rd			100	8
<b>TOTAL</b>				<b>6035</b>	<b>262</b>

THERMOPLASTIC PAVEMENT MARKINGS			
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
		22 SF	
10.009	LT		25
10.013	LT	1	
<b>TOTAL COUNT</b>		<b>1</b>	<b>25</b>
<b>ITEM TOTAL</b>		<b>22</b>	<b>25</b>
<b>TOTAL</b>		<b>47</b>	

MISCELLANEOUS ASPHALT CONCRETE							
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.036	LT	55 MOON MOUNTAIN DR	1	45	10	50	8
10.036	RT	55 MOON MOUNTAIN DR	1	25	10	28	5
10.050	LT	75 MOON MOUNTAIN DR	1	25	10	28	5
10.091	LT	77 MOON MOUNTAIN DR	2	30	SEE COLD PLANE AC TABLE		
10.130	RT	78 MOON MOUNTAIN DR	1	15	10	17	3
10.130	LT	155 MOON MOUNTAIN DR	1	15	10	17	3
10.161	RT	150 MOON MOUNTAIN DR	1	20	10	23	4
10.173	LT	155 MOON MOUNTAIN DR	1	25	10	28	5
10.187	LT	207 MOON MOUNTAIN DR	2	30	SEE COLD PLANE AC TABLE		
10.204	RT	FIELD ENTRANCE	1	20	10	23	4
10.217	LT	255 MOON MOUNTAIN DR	1	40	10	45	7
10.242	RT	202 MOON MOUNTAIN DR	1	25	10	28	5
10.249	LT	321 MOON MOUNTAIN DR	1	20	10	23	4
10.251	RT	266 MOON MOUNTAIN DR	1	20	10	23	4
10.276	RT	300 MOON MOUNTAIN DR (RT)	1	30	3	10	2
10.294	RT	300 MOON MOUNTAIN DR (LT)	1	30	3	10	2
10.298	LT	385 MOON MOUNTAIN DR	2	30	SEE COLD PLANE AC TABLE		
10.331	RT	444 MOON MOUNTAIN DR	1	35	10	39	7
10.352	LT	465 MOON MOUNTAIN DR	2	35	SEE COLD PLANE AC TABLE		
10.359	RT	454 MOON MOUNTAIN DR	1	15	10	17	3
10.380	LT	FIELD ENTRANCE	1	15	10	17	3
10.409	RT	470 MOON MOUNTAIN DR	1	30	10	34	6
10.439	LT	499 MOON MOUNTAIN DR	1	35	10	39	7
10.439	RT	499 MOON MOUNTAIN DR	1	30	10	34	6
10.492	RT	600 MOON MOUNTAIN DR	2	40	SEE COLD PLANE AC TABLE		
10.505	LT	633 MOON MOUNTAIN DR	1	25	10	28	5
10.510	LT	777 MOON MOUNTAIN DR	1	25	10	28	5
10.700	LT	849 MOON MOUNTAIN DR	1	30	10	34	6
10.776	RT	888 MOON MOUNTAIN DR (RT)	1	30	10	34	6
10.785	RT	888 MOON MOUNTAIN DR (LT)	1	30	10	34	6
10.913	LT	901 MOON MOUNTAIN DR	2	20	SEE COLD PLANE AC TABLE		
10.985	LT		1	12	10	14	3
11.017	RT	970 MOON MOUNTAIN DR	1	20	10	23	4
11.020	LT	969 MOON MOUNTAIN DR	2	30	SEE COLD PLANE AC TABLE		
11.057	RT	1288 MOON MOUNTAIN DR	1	20	10	23	4
11.109	RT	1290 MOON MOUNTAIN DR	1	50	10	56	9
<b>TOTAL</b>						<b>807</b>	<b>141</b>



\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

OVERLAY ASPHALT CONCRETE						
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.005	10.014	0.01	50	2500	575	43
10.014	10.050	0.04	20	3802	874	66
10.050	10.082	0.03	21	3548	816	61
10.082	10.264	0.18	22	21141	4862	365
10.264	10.500	0.24	20	24922	5732	430
10.500	10.582	0.08	17	7360	1693	127
10.582	11.390	0.81	17	72526	16681	1251
11.390	11.520	0.13	17	11669	2684	201
<b>TOTAL</b>						<b>2544</b>

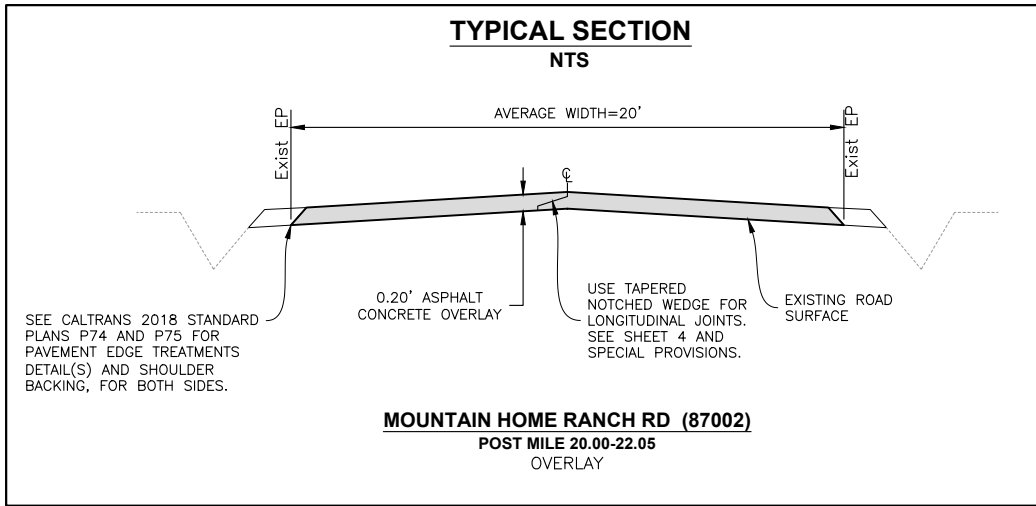
COLD PLANE ASPHALT CONCRETE						
MOON MOUNTAIN DR (66031) - PM 10.000 - 11.520						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
10.005	10.140	HIGHWAY 12	LONGITUDINAL	50	50	278
10.091		LT, 77 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	30	13
10.187		LT, 207 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	30	13
10.298		LT, 385 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	30	13
10.352		LT, 465 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	35	16
10.492		RT, 600 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	40	18
10.913		LT, 901 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	20	9
11.020		LT, 969 MOON MOUNTAIN DR	DRIVEWAY (TYPE 2)	4	30	13
11.500		CATTLE GUARD	LONGITUDINAL	20	17	38
<b>TOTAL</b>						<b>411</b>

ADDENDUM NO. 1

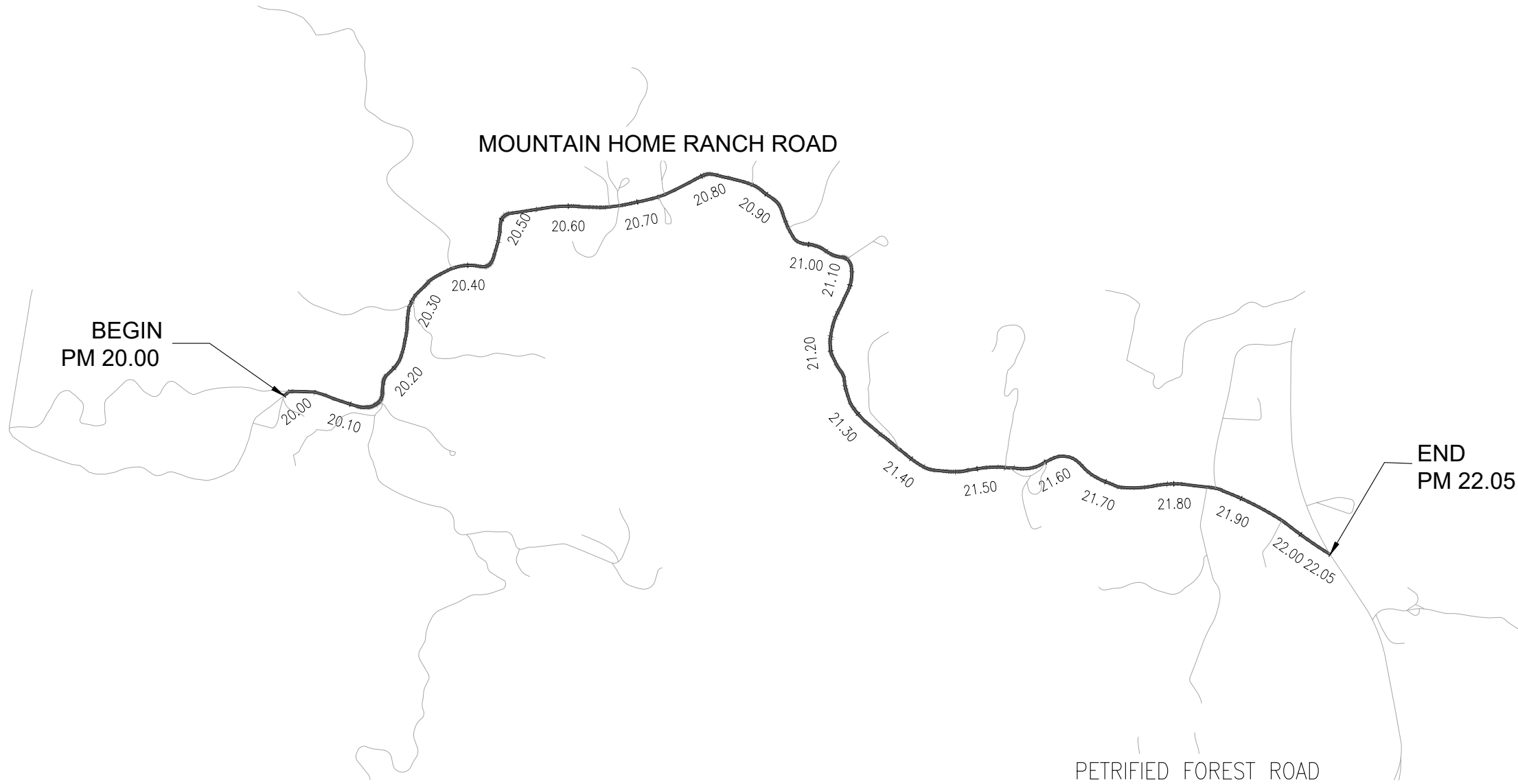
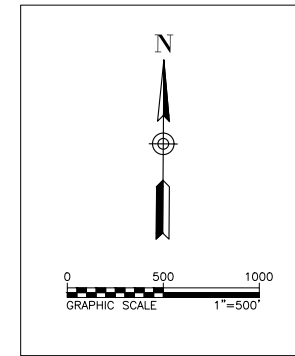
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DESIGN BY	CR	 REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b> CONSTRUCTION COMPLETED: _____ RESIDENT ENGINEER AS BUILT DRAWINGS BY: _____		DATE	3/24/2022	REVISION	ADD CONSTRUCT WELL MONUMENT TABLE	BY	HGM	APPROVED		2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT	ROAD NUMBER	66031
DRAWING BY	CR		2/23/2022										DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	BUDGET NUMBER	C22101
CHECKED BY	HGM		PLANS APPROVAL DATE											<b>QUANTITY SUMMARIES MOON MOUNTAIN DR (66031)</b>	FISCAL YEAR
														SHEET NUMBER	54
														TOTAL SHEETS	65





FRANZ VALLEY SCHOOL ROAD



Placed: S:\DRAWINGS\Design\General Projects\22201 - Tier 1 Project\CAD Files\Project Plans\20 - Mountain Home Ranch Rd (87002)\Tier 1 - Mountain Home Ranch Rd.dwg, Plot Date: 06/27/2022 at 10:27

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

*[Signature]*  
REGISTERED CIVIL ENGINEER



2/23/2022  
PLANS APPROVAL DATE

**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED

**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

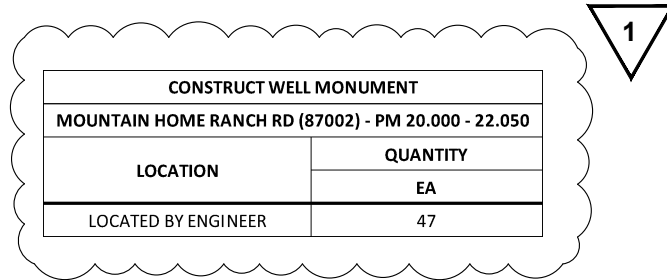
**LAYOUT**  
**MOUNTAIN HOME RANCH RD (87002)**

ROAD NUMBER	87002
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	55
TOTAL SHEETS	65

SHOULDER BACKING	
MOUNTAIN HOME RANCH RD (87002) - PM 20.000 - 22.050	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	68

REPLACE ASPHALT CONCRETE SURFACING		
MOUNTAIN HOME RANCH RD (87002) - PM 20.000 - 22.050		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	245
<b>TOTAL</b>		<b>245</b>

THERMOPLASTIC PAVEMENT MARKINGS			
MOUNTAIN HOME RANCH RD (87002) - PM 20.000 - 22.050			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS	LINES
		STOP	12" WHITE
		22 SF	
21.854	RT	1	
21.856	RT		14
22.044	RT	1	
22.046	RT		13
<b>TOTAL COUNT</b>		<b>2</b>	<b>27</b>
<b>ITEM TOTAL</b>		<b>44</b>	<b>27</b>
<b>TOTAL</b>		<b>71</b>	



ADDENDUM NO. 1

OVERLAY ASPHALT CONCRETE						
MOUNTAIN HOME RANCH RD (87002) - PM 20.000 - 22.050						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
20.000	20.156	0.16	14	11532	2652	199
20.156	20.268	0.11	21	12419	2856	214
20.268	20.648	0.38	17	34109	7845	588
20.648	21.042	0.39	20	41606	9569	718
21.042	21.438	0.40	17	35545	8175	613
21.438	21.652	0.21	22	24858	5717	429
21.652	21.909	0.26	21	28496	6554	492
21.909	22.035	0.13	15	9979	2295	172
22.035	22.050	0.02	108	8640	1987	149
<b>TOTAL</b>						<b>3574</b>

COLD PLANE ASPHALT CONCRETE						
MOUNTAIN HOME RANCH RD (87002) - PM 20.000 - 22.050						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
21.427		RT, 4700 MTN HOME RANCH RD	DRIVEWAY (TYPE 2)	40	4	18
21.857		LT, MTN HOME RANCH RD	SIDE STREET	90	50	500
22.041	22.050	PROJECT END	LONGITUDINAL	108	50	600
<b>TOTAL</b>						<b>1118</b>

MISCELLANEOUS ASPHALT CONCRETE							
MOUNTAIN HOME RANCH RD (87002) - PM 20.000 - 22.050							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
20.000	LT	3353 MTN HOME RANCH RD	1	21	10	24	4
20.004	LT	3400 MTN HOME RANCH RD	1	18	10	20	4
20.143	RT	3920 MTN HOME RANCH RD	1	40	10	45	7
20.276	LT	3975 MTN HOME RANCH RD	1	15	10	17	3
20.292	LT	3975 MTN HOME RANCH RD	1	27	10	30	5
20.298	RT	3910 MTN HOME RANCH RD	1	30	10	34	6
20.335	RT	FIELD ENTRANCE	1	35	10	39	7
20.347	LT	FIELD ENTRANCE	1	30	10	34	6
20.375	LT	3991 MTN HOME RANCH RD	1	30	10	34	6
20.432	RT	FIELD ENTRANCE	1	30	10	34	6
20.573	LT	4195 MTN HOME RANCH RD	1	25	10	28	5
20.579	RT	FIELD ENTRANCE	1	16	10	18	3
20.660	LT	4225 MTN HOME RANCH RD	1	15	10	17	3
20.672	RT	4222 MTN HOME RANCH RD	1	26	10	29	5
20.675	LT	4279 MTN HOME RANCH RD	1	22	0	0	0
20.694	LT	4277 MTN HOME RANCH RD	1	20	10	23	4
20.732	RT	FIELD ENTRANCE	1	28	10	32	5
20.740	LT	4333 MTN HOME RANCH RD	1	20	10	23	4
20.810	LT	FIELD ENTRANCE	1	16	10	18	3
20.847	LT	4375 MTN HOME RANCH RD	1	20	10	23	4
20.872	LT	4455 MTN HOME RANCH RD	1	20	10	23	4
20.872	RT	FIELD ENTRANCE	1	20	10	23	4
20.898	RT	4470 MTN HOME RANCH RD	1	16	10	18	3
20.913	RT	4470 MTN HOME RANCH RD	1	16	10	18	3
20.957	LT	4495 MTN HOME RANCH RD	1	30	10	34	6
21.010	RT	FIELD ENTRANCE	1	12	10	14	3
21.060	LT	4435 MTN HOME RANCH RD	1	30	10	34	6
21.103	LT	4555 MTN HOME RANCH RD	1	32	10	36	6
21.110	RT	4490 MTN HOME RANCH RD	1	32	10	36	6
21.152	RT	TRIPLE S RANCH	1	28	10	32	5
21.152	LT	FIELD ENTRANCE	1	26	10	29	5
21.173	RT	TRIPLE S RANCH	1	30	10	34	6
21.184	RT	TRIPLE S RANCH	1	30	10	34	6
21.214	RT	TRIPLE S RANCH	1	28	10	32	5
21.221	RT	TRIPLE S RANCH	1	27	10	30	5
21.253	RT	FIELD ENTRANCE	1	35	10	39	7
21.369	LT	FIELD ENTRANCE	1	30	10	34	6
21.427	RT	4700 MTN HOME RANCH RD	2	40		SEE COLD PLANE AC TABLE	
21.542	LT	5055 MTN HOME RANCH RD	1	28	10	32	5
21.551	RT	FIELD ENTRANCE	1	15	10	17	3
21.600	RT	4940 MTN HOME RANCH RD	1	39	10	44	7
21.848	RT	5330 MTN HOME RANCH RD	1	18	10	20	4
21.857	RT	5322 MTN HOME RANCH RD	1	21	10	24	4
21.857	LT	MTN HOME RANCH RD	2	90		SEE COLD PLANE AC TABLE	
21.870	LT	FIELD ENTRANCE	1	18	10	20	4
21.968	RT	5350 MTN HOME RANCH RD	1	16	10	18	3
22.022	LT	FIELD ENTRANCE	1	38	10	43	7
<b>TOTAL</b>						<b>403</b>	<b>213</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

File: S:\DRA\87002\Design\Drawings\Project\1 - Project\1000 Plan\Project Plan\_CAD\_Rev(1000)1.rvt - 1 - Quantity.dwg - Plot Date: Mar 24, 2022 at 10:32

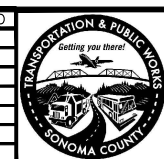
DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED: \_\_\_\_\_  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	SJA


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTZ, P.E., DIRECTOR

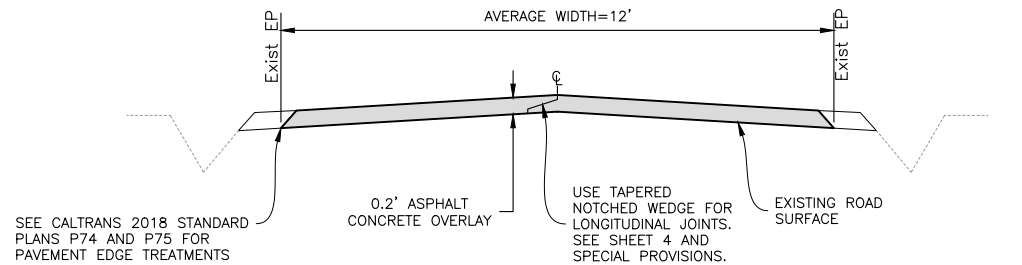
2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	87002
		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	56
		TOTAL SHEETS	65

**QUANTITY SUMMARIES**  
**MOUNTAIN HOME RANCH RD (87002)**



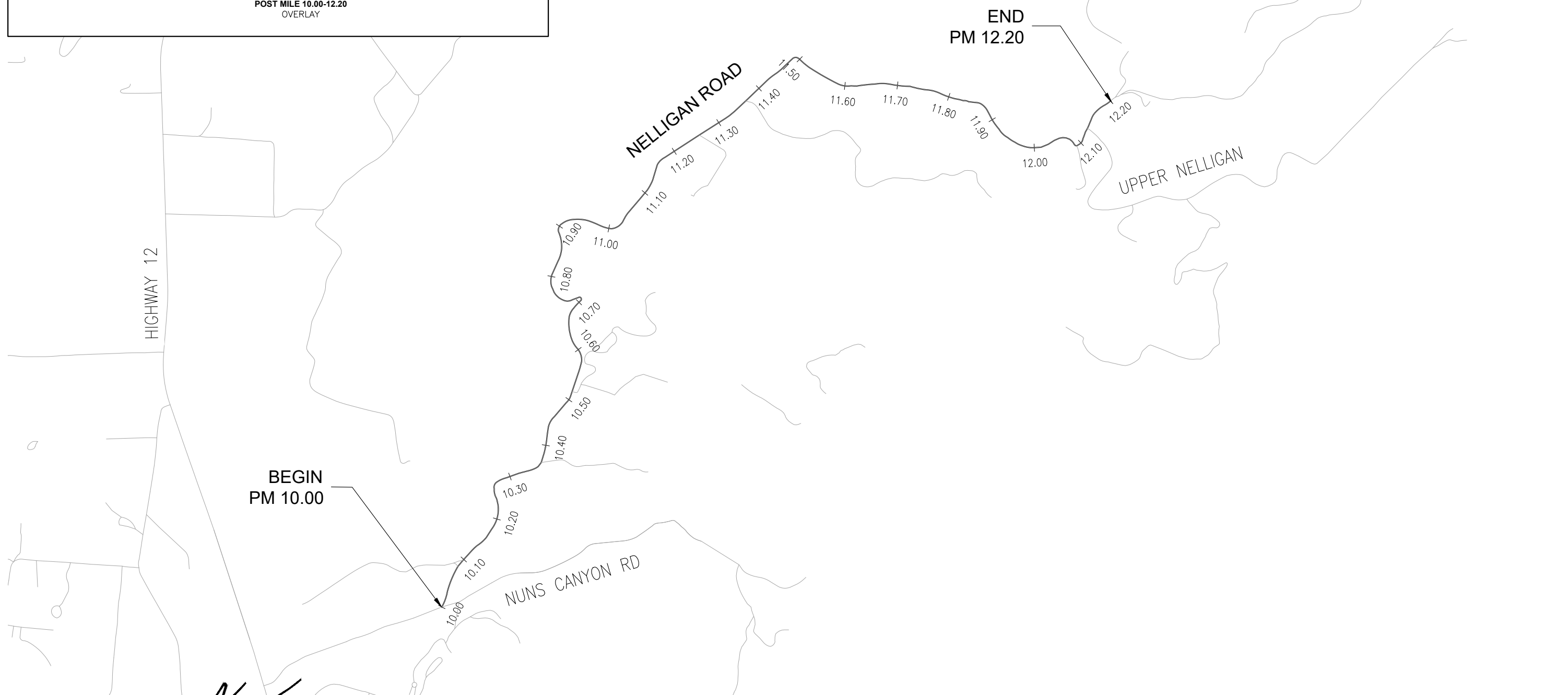
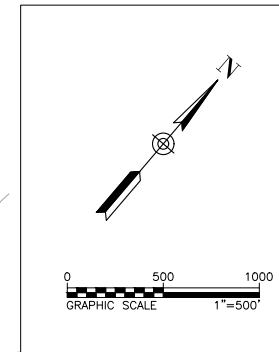
**TYPICAL SECTION**

NTS



SEE CALTRANS 2018 STANDARD PLANS P74 AND P75 FOR PAVEMENT EDGE TREATMENTS DETAIL(S) AND SHOULDER BACKING, FOR BOTH SIDES.

**NELLIGAN RD (66059)**  
POST MILE 10.00-12.20  
OVERLAY



*[Signature]*  
REGISTERED CIVIL ENGINEER

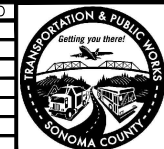


2/23/2022  
PLANS APPROVAL DATE

"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION

CONSTRUCTION COMPLETED:  
RESIDENT ENGINEER  
AS BUILT DRAWINGS BY:

DATE	REVISION	BY	APPROVED



**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

**LAYOUT**  
**NELLIGAN RD (66059)**

ROAD NUMBER	66059
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	57
TOTAL SHEETS	65

Plots: S:\DRAWINGS\Design\Drawings\Projects\22201 - The 1 Project\CAD\Task\Project Plans\66059\Nelligan Rd (66059)\Sheet 1 - Nelligan.dwg Plot Date: Feb 22, 2022 11:48

SHOULDER BACKING	
NELLIGAN RD (66059) - PM 10.000 - 12.200	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	259

REPLACE ASPHALT CONCRETE SURFACING		
NELLIGAN RD (66059) - PM 10.000 - 12.200		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	13
<b>TOTAL</b>		<b>13</b>

OVERLAY ASPHALT CONCRETE						
NELLIGAN RD (66059) - PM 10.000 - 12.200						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MILE	LF	SF	CF	TONS
10.000	10.008	0.01	21	841	193	14
10.008	10.132	0.12	13	8511	1958	147
10.132	10.704	0.57	10	30202	6946	521
10.704	11.350	0.65	15	51163	11768	883
11.350	11.486	0.14	13	9335	2147	161
11.486	11.500	0.01	16	1183	272	20
11.500	11.532	0.03	14	2365	544	41
11.532	12.220	0.69	10	36326	8355	627
<b>TOTAL</b>						<b>2414</b>

MISCELLANEOUS ASPHALT CONCRETE							
NELLIGAN RD (66059) - PM 10.000 - 12.200							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.082	LT	FIELD ENTRANCE	1	15	10	17	3
10.098	LT	FIELD ENTRANCE	1	20	10	23	4
10.183	LT	FIELD ENTRANCE	1	20	10	23	4
10.184	RT	FIELD ENTRANCE	1	20	10	23	4
10.234	LT	FIELD ENTRANCE	1	25	10	28	5
10.372	RT	800 NELLIGAN RD	1	20	10	23	4
10.522	LT	FIELD ENTRANCE	1	15	10	17	3
10.523	RT	930 NELLIGAN RD	1	25	10	28	5
10.590	RT	FIELD ENTRANCE	1	30	10	34	6
10.892	LT	FIELD ENTRANCE	1	20	10	23	4
10.994	RT	1200 NELLIGAN RD	2	25	SEE COLD PLANE AC TABLE		
11.051	RT	FIELD ENTRANCE	1	20	10	23	4
11.088	LT	ATT ENTRANCE	1	50	10	56	9
11.109	RT	FIELD ENTRANCE	1	20	10	23	4
11.248	RT	1400 NELLIGAN RD	1	20	10	23	4
11.358	RT	1500 NELLIGAN RD	1	20	10	23	4
12.087	RT	2242 NELLIGAN RD	1	20	10	23	4
12.132	RT	2250 NELLIGAN RD	1	30	10	34	6
<b>TOTAL</b>						<b>444</b>	<b>77</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

COLD PLANE ASPHALT CONCRETE						
NELLIGAN RD (66059) - PM 10.000 - 12.200						
POST MILE	LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA	COMMENTS
			LF	LF	SY	
10.000	BEGIN PROJECT	LONGITUDINAL	25	50	139	
10.994	RT, 1200 NELLIGAN RD	DRIVEWAY (TYPE 2)	25	4	11	VALLEY GUTTER
12.200	END PROJECT	LONGITUDINAL	11	50	61	
<b>TOTAL</b>					<b>211</b>	

**CONSTRUCT WELL MONUMENT**

NELLIGAN RD (66059) - PM 10.000 - 12.200

LOCATION	QUANTITY
EA	
LOCATED BY ENGINEER	6

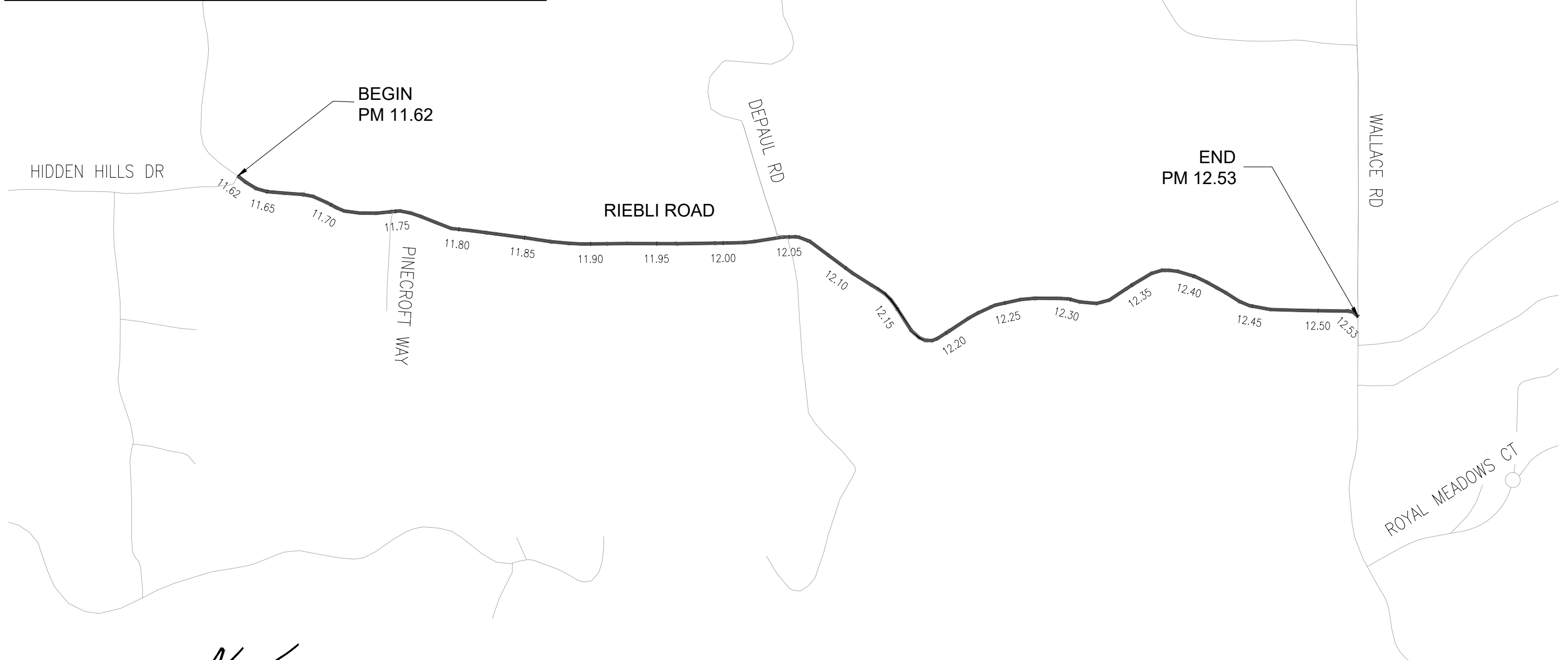
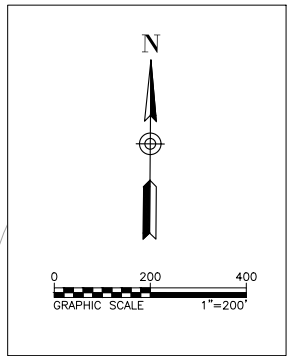
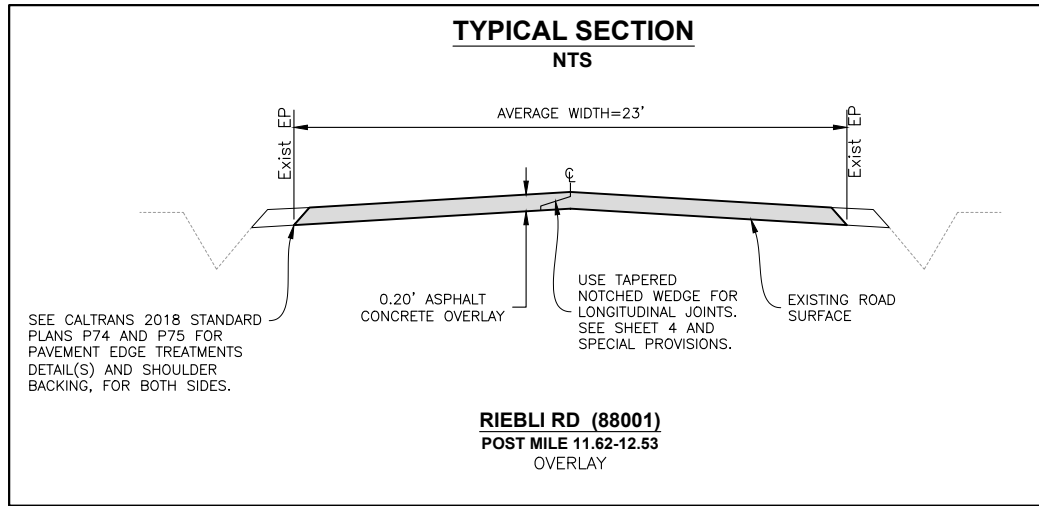


ADDENDUM NO. 1

Plot: S:\DRAWS\Drawings\Drawings\22201 - 2017 Fire Debris Damaged Roads Paving Project (1) - Project\22201 Fire Debris Damaged Roads Paving Project (1) - Quantity.dwg, Plot Date: Mar 24, 2022 at 10:32

DESIGN BY	CR	REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b> CONSTRUCTION COMPLETED: _____ RESIDENT ENGINEER AS BUILT DRAWINGS BY: _____	DATE	3/24/2022	REVISION	ADD CONSTRUCT WELL MONUMENT TABLE	BY	HGM	APPROVED	<b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT <b>QUANTITY SUMMARIES</b> <b>NELLIGAN RD (66059)</b>	ROAD NUMBER	66059
DRAWING BY	CR		2/23/2022	PLANS APPROVAL DATE								BUDGET NUMBER	C22101	
CHECKED BY	HGM											FISCAL YEAR	2021-22	
												SHEET NUMBER	58	
												TOTAL SHEETS	65	





Plot: S:\WORKING\Design\General Projects\22201 - The 1 Project\2020 The Project\Plan 010 Riebli Rd\11.62-12.53.dwg, Plot Date: 06/27/2022 at 12:47

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

  
 REGISTERED CIVIL ENGINEER  
 No. 51214  
 Exp. 09/30/23  
 CIVIL  
 STATE OF CALIFORNIA  
 2/23/2022  
 PLANS APPROVAL DATE



**"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION**

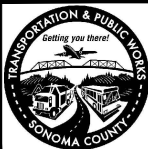
DATE	REVISION	BY	APPROVED

CONSTRUCTION COMPLETED:

RESIDENT ENGINEER \_\_\_\_\_

AS BUILT DRAWINGS BY: \_\_\_\_\_

DATE	REVISION	BY	APPROVED


**COUNTY OF SONOMA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT

**LAYOUT**  
**RIEBLI RD (88001)**

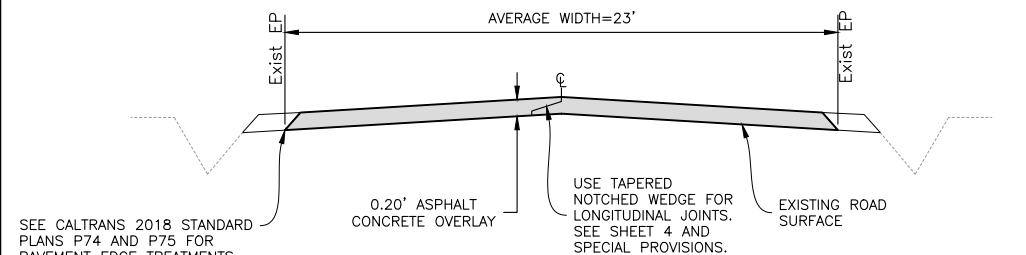
ROAD NUMBER	88001
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	59
TOTAL SHEETS	65





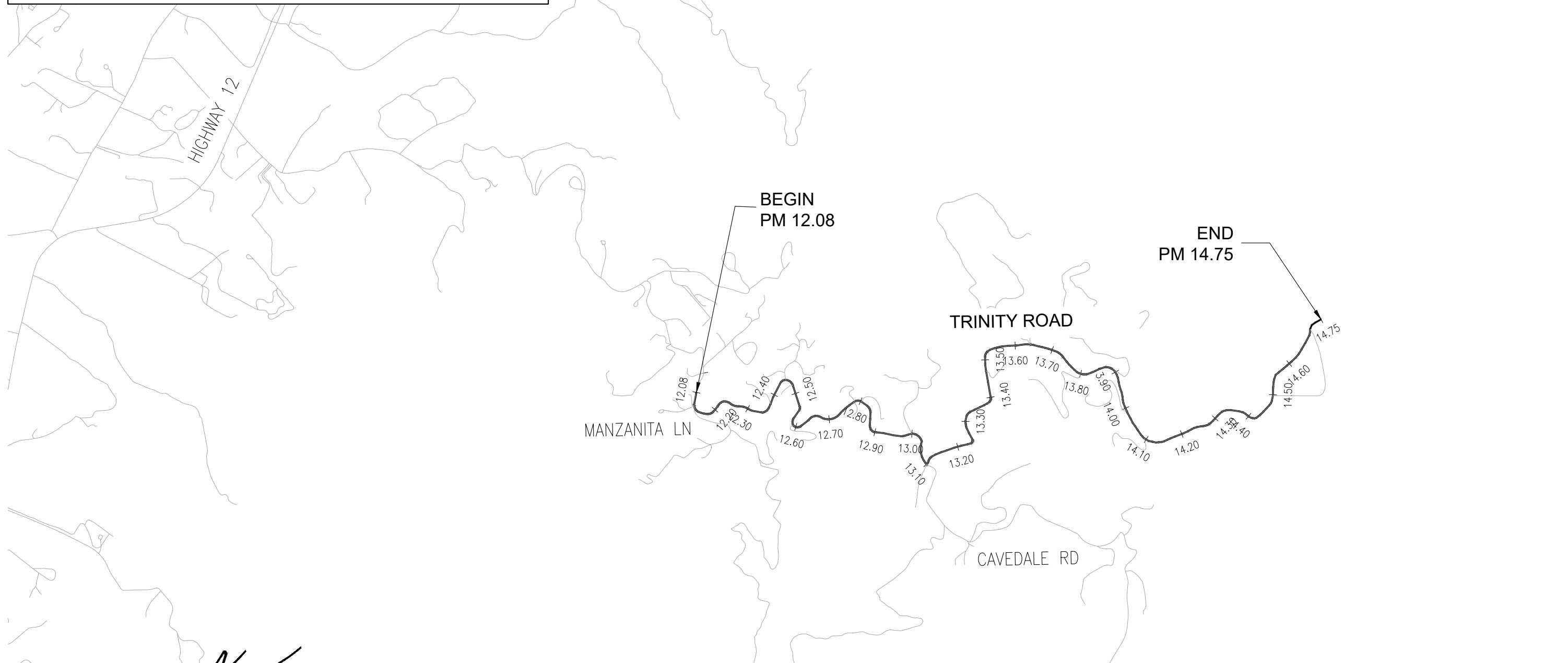
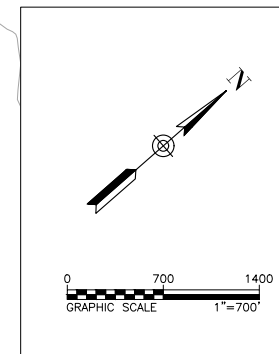
**TYPICAL SECTION**

NTS



SEE CALTRANS 2018 STANDARD PLANS P74 AND P75 FOR PAVEMENT EDGE TREATMENTS DETAIL(S) AND SHOULDER BACKING, FOR BOTH SIDES.

**TRINITY RD (6603)**  
POST MILE 12.08-14.75  
OVERLAY



Plot: S:\DRAWS\Drawings\Drawings\22101 - Tr 1 Project\CAD Files\Project Plans\20 Fire Debris\6603\Tr 1 - 1069.dwg Plot Date: Feb 27, 2022 at 11:58

DESIGN BY	CR
DRAWING BY	CR
CHECKED BY	HGM

*[Signature]*  
REGISTERED CIVIL ENGINEER  
2/23/2022  
PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION			
DATE	REVISION	BY	APPROVED
CONSTRUCTION COMPLETED:			
RESIDENT ENGINEER AS BUILT DRAWINGS BY:			

DATE	REVISION	BY	APPROVED

**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT	
<b>LAYOUT</b>	
<b>TRINITY RD (6603)</b>	

ROAD NUMBER	6603
BUDGET NUMBER	C22101
FISCAL YEAR	2021-22
SHEET NUMBER	61
TOTAL SHEETS	65

SHOULDER BACKING	
Trinity Road (6603) - PM 12.080 - 14.750	
MULTIPLE LOCATIONS	QUANTITY
	TON
LOCATED BY ENGINEER	133

REPLACE ASPHALT CONCRETE SURFACING		
TRINITY RD (6603) - PM 12.080 - 14.750		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	48
<b>TOTAL</b>		<b>48</b>

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS					
TRINITY RD (6603) - PM 12.080 - 14.750					
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES	PAVEMENT MARKERS
		FROM	TO	4" LINE	TYPE D
				YELLOW	
22	CL	12.800	12.807	74	6
22	CL	12.817	14.750	20412	854
<b>TOTAL</b>				<b>20486</b>	<b>860</b>

OVERLAY ASPHALT CONCRETE						
TRINITY RD (6603) - PM 12.080 - 14.750						
POST MILE		ROAD SECTION LENGTH	AVERAGE ROAD WIDTH	AREA (ROADWAY)	VOLUME (ROADWAY)	ASPAHLT CONCRETE
FROM	TO	MI	LF	SF	CF	TONS
12.080	12.090	0.01	27	1426	328	25
12.090	12.700	0.61	25	80520	18520	1389
12.978	13.764	0.79	23	95452	21954	1647
13.764	14.200	0.44	23	52948	12178	913
14.200	14.750	0.55	20	58080	13358	1002
<b>TOTAL</b>						<b>4975</b>

ROADSIDE SIGNS						
TRINITY RD (6603) - PM 12.080 - 14.750						
SIGN CODE	POST MILE*	LOCATION	PANEL SIZE INCH	"C" ** FEET	ROADSIDE SIGN EA	SIGN CODE LEGEND
R117 (CA)	12.105	RT	30 x 30	7	1	PASS BICYCLE 3 FT MIN
R117 (CA)	14.723	LT	30 x 30	7	1	PASS BICYCLE 3 FT MIN
<b>TOTAL</b>					<b>2</b>	

\* SIGN LOCATION TO BE VERIFIED IN FIELD BY ENGINEER  
\*\* C = CLEARANCE FROM FINISHED GRADE TO BOTTOM OF SIGN

MISCELLANEOUS ASPHALT CONCRETE							
TRINITY RD (6603) - PM 12.080 - 14.750							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
12.807	RT	MANZANITA LANE & MARGIE LANE	1	17	10	19	3
12.900	LT	2205 TRINITY ROAD	1	25	10	28	5
12.911	LT	2543 TRINITY ROAD	2	20	SEE COLD PLANE AC TABLE		
12.972	RT	2340 TRINITY ROAD	1	15	10	17	3
13.053	LT	2557 TRINITY ROAD	2	25	SEE COLD PLANE AC TABLE		
13.077	RT	2600 TRINITY ROAD	1	20	10	23	4
13.127	LT	2585 TRINITY ROAD	1	25	10	28	5
13.150	RT	2600 TRINITY ROAD	2	25	SEE COLD PLANE AC TABLE		
13.219	LT	FIELD ENTRANCE	1	20	10	23	4
13.265	RT	2800 TRINITY ROAD	1	20	10	23	4
13.460	RT	2950 TRINITY ROAD	1	20	10	23	4
13.463	LT	2613 TRINITY ROAD	1	20	10	23	4
13.479	LT	3001 TRINITY ROAD	2	20	SEE COLD PLANE AC TABLE		
13.676	LT	3131 TRINITY ROAD	1	25	10	28	5
13.778	RT	3250 TRINITY ROAD	1	20	10	23	4
14.146	LT	3701 TRINITY ROAD	2	25	SEE COLD PLANE AC TABLE		
14.148	RT	3700 TRINITY ROAD	1	25	10	28	5
14.196	LT	3701 TRINITY ROAD	1	20	10	23	4
14.316	LT	3845 TRINITY ROAD	1	25	10	28	5
14.475	RT	3777 TRINITY ROAD	2	20	SEE COLD PLANE AC TABLE		
14.571	LT	4141 TRINITY ROAD	1	20	10	23	4
14.681	RT	4200 TRINITY ROAD	1	25	10	28	5
<b>TOTAL</b>						<b>388</b>	<b>68</b>

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3



CONSTRUCT WELL MONUMENT	
TRINITY RD (6603) - PM 12.080 - 14.750	
LOCATION	QUANTITY
	EA
LOCATED BY ENGINEER	1

COLD PLANE ASPHALT CONCRETE						
TRINITY RD (6603) - PM 12.080 - 14.750						
POST MILE		LOCATION	CONFORM TYPE	WIDTH	LENGTH	AREA
FROM	TO			LF	LF	SY
12.080	12.090	MANZANITA LANE	LONGITUDINAL	23	50	128
12.911		2543 TRINITY ROAD	DRIVEWAY (TYPE 2)	20	4	9
13.053		2557 TRINITY ROAD	DRIVEWAY (TYPE 2)	25	4	11
13.150		2600 TRINITY ROAD	DRIVEWAY (TYPE 2)	25	4	11
13.479		3001 TRINITY ROAD	DRIVEWAY (TYPE 2)	20	4	9
14.146		3701 TRINITY ROAD	DRIVEWAY (TYPE 2)	25	4	11
14.475		3777 TRINITY ROAD	DRIVEWAY (TYPE 2)	20	4	9
14.740	14.750	END OF PROJECT	LONGITUDINAL	22	50	122
<b>TOTAL</b>						<b>310</b>

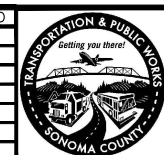
ADDENDUM NO. 1

*[Signature]*  
REGISTERED CIVIL ENGINEER  
No. 51214  
Exp. 09/30/23  
PLANS APPROVAL DATE  
2/23/2022



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CONSTRUCTION COMPLETED:  
RESIDENT ENGINEER AS BUILT DRAWINGS BY:

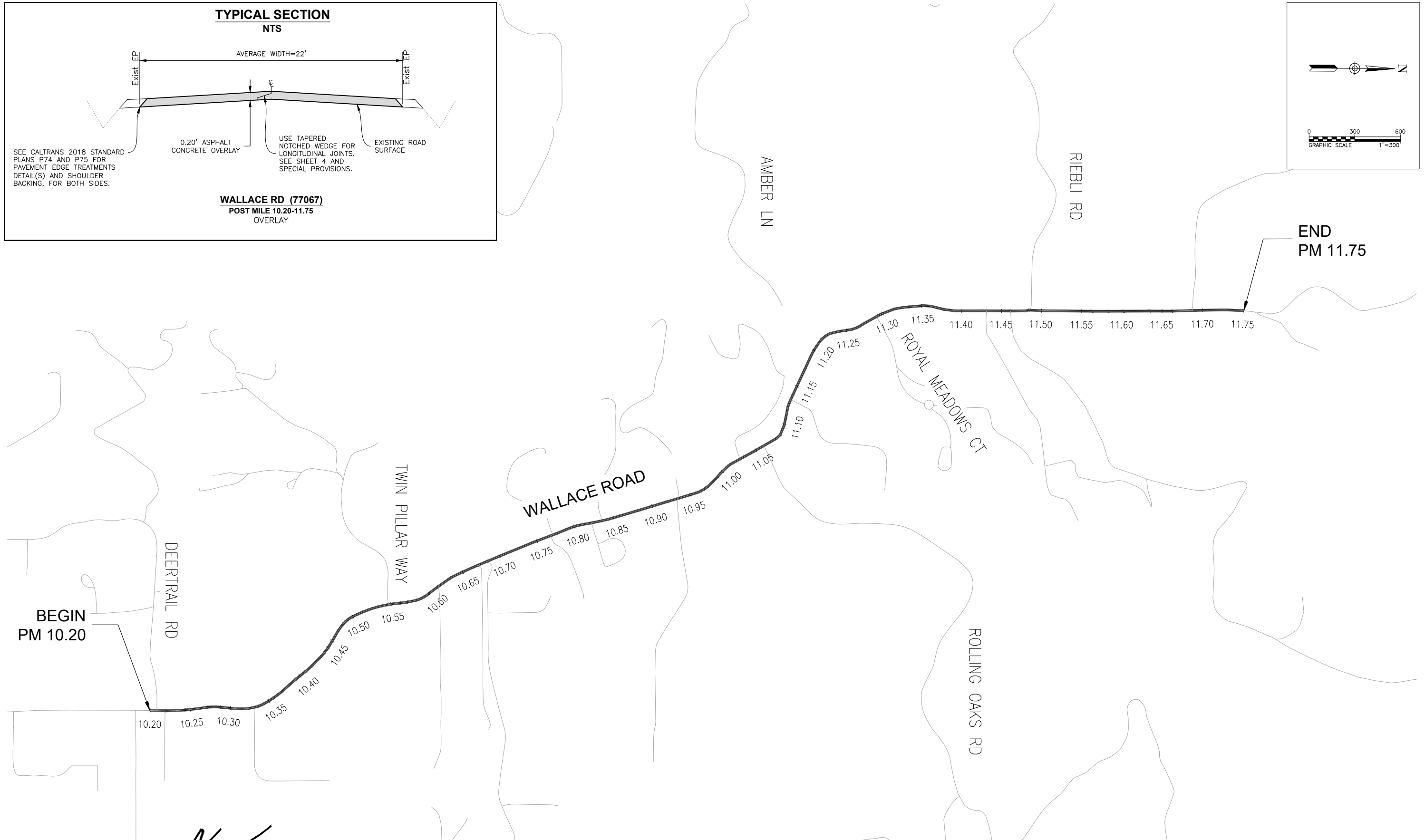
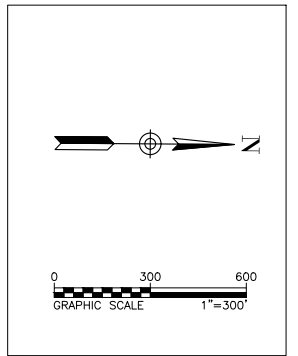
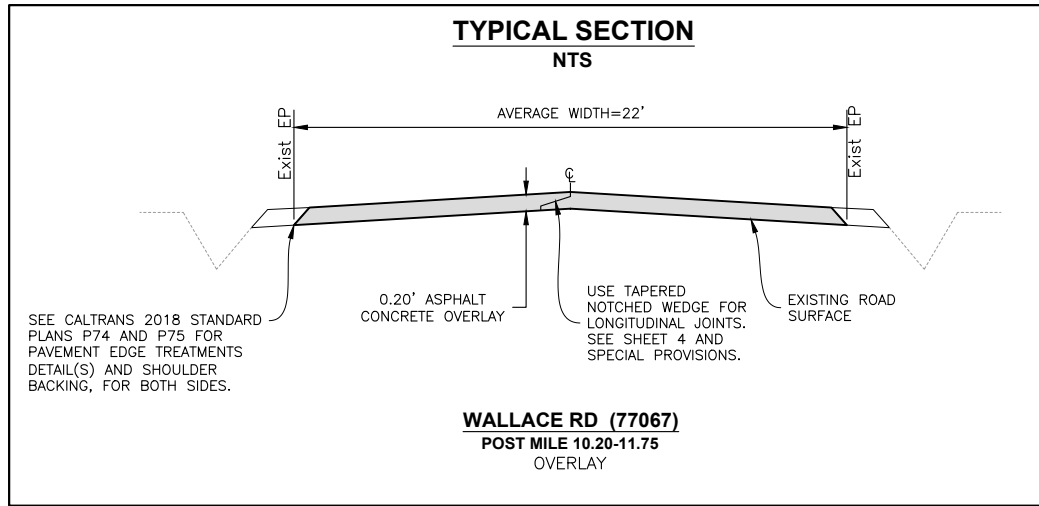
DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	<i>[Signature]</i>



**COUNTY OF SONOMA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	6603
<b>QUANTITY SUMMARIES TRINITY RD (6603)</b>		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	62
		TOTAL SHEETS	65





Plot: S:\DASH\DWG\Design\General Project\22201 - Tier 1 Project\2020\Task\Project Plans\200\Plan\200\Wallace Rd (77067)\1 - Wallace Rd Layout.dwg, Plot Date: Feb 23, 2022, at 11:55

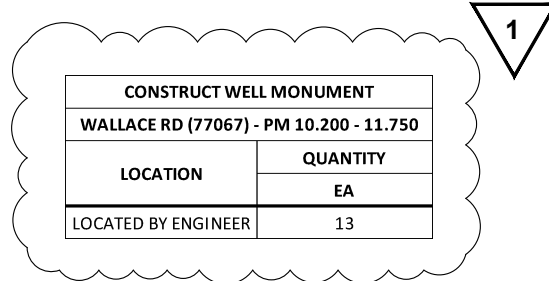
DESIGN BY	CR	REGISTERED CIVIL ENGINEER No. 51214 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA	<b>"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION</b>	DATE	REVISION	BY	APPROVED	<b>COUNTY OF SONOMA</b> DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS JOHANNES J. HOEVERTSZ, P.E., DIRECTOR	2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT	ROAD NUMBER	77067
DRAWING BY	CR		CONSTRUCTION COMPLETED:						<b>LAYOUT</b> <b>WALLACE RD (77067)</b>	BUDGET NUMBER	C22101
CHECKED BY	HGM		RESIDENT ENGINEER AS BUILT DRAWINGS BY:						<b>LAYOUT</b> <b>WALLACE RD (77067)</b>	FISCAL YEAR	2021-22
		PLANS APPROVAL DATE 2/23/2022						<b>LAYOUT</b> <b>WALLACE RD (77067)</b>	SHEET NUMBER	63	
								<b>LAYOUT</b> <b>WALLACE RD (77067)</b>	TOTAL SHEETS	65	

THERMOPLASTIC PAVEMENT MARKINGS			
WALLACE RD (77067) - PM 10.200 - 11.750			
POST MILE	LOCATION	PAVEMENT MARKINGS	
		WORDS STOP 22 SF	LINES 12" WHITE
11.480	RT	1	
11.482	RT		11
11.489	LT		19
11.492	LT	1	
TOTAL COUNT		2	30
ITEM TOTAL		44	30
TOTAL		74	

SHOULDER BACKING	
WALLACE RD (77067) - PM 10.200 - 11.750	
MULTIPLE LOCATIONS	QUANTITY
LOCATED BY ENGINEER	TON
	145

REPLACE ASPHALT CONCRETE SURFACING		
WALLACE RD (77067) - PM 10.200 - 11.750		
MULTIPLE LOCATIONS	DEPTH	VOLUME
	LF	CY
LOCATED BY ENGINEER	0.33	162
TOTAL		162

THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKERS						
WALLACE RD (77067) - PM 10.200 - 11.750						
CALTRANS DETAIL	LOCATION	POST MILE		TRAFFIC STRIPES		PAVEMENT MARKERS
				4" LINE WHITE	4" LINE YELLOW	TYPE D
		FROM	TO	LF	LF	EA
22	CL	10.200	11.482	-	13538	568
27B	RT	10.200	11.466	6684	-	-
27B	LT	10.200	11.466	6684	-	-
TOTAL				13369	13538	568



MISCELLANEOUS ASPHALT CONCRETE							
WALLACE RD (77067) - PM 10.200 - 11.750							
POST MILE	LOCATION	ADDRESS	CONFORM TYPE*	WIDTH	LENGTH	AREA	ASPHALT CONCRETE
				LF	LF	SY	TONS
10.202	RT	3640 WALLACE RD	1	26	10	29	5
10.206	LT	DEER TRAIL RD	2	41	SEE COLD PLANE AC TABLE		
10.216	RT	3650 WALLACE RD	1	16	10	18	3
10.328	RT	3690 WALLACE RD	1	15	10	17	3
10.382	RT	3710 WALLACE RD	1	22	10	25	4
10.544	LT	TWIN PILLAR WAY	1	22	10	25	4
10.547	RT	FIELD ENTRANCE	1	15	10	17	3
10.610	RT	3814 WALLACE RD	1	32	10	36	6
10.650	LT	FIELD ENTRANCE	1	16	10	18	3
10.671	RT	3900 WALLACE RD	1	18	10	20	4
10.676	LT	FIELD ENTRANCE	1	50	10	56	9
10.684	RT	CREEKMONT CT	1	65	10	73	12
10.766	RT	FIELD ENTRANCE	1	16	10	18	3
10.769	LT	3915 WALLACE RD	1	20	10	23	4
10.795	RT	FIELD ENTRANCE	1	20	10	23	4
10.819	RT	3944 WALLACE RD	1	20	10	23	4
10.836	LT	3945 WALLACE RD	1	58	10	65	11
10.928	RT	3950 WALLACE RD	1	27	10	30	5
10.933	LT	3975 WALLACE RD	1	22	10	25	4
11.026	LT	AMBER LANE	1	22	10	25	4
11.059	RT	ROLLING OAKS RD	1	35	10	39	7
11.131	RT	3994 WALLACE RD	1	26	10	29	5
11.156	RT	FIELD ENTRANCE	1	15	10	17	3
11.166	RT	4112 WALLACE RD	2	28	SEE COLD PLANE AC TABLE		
11.188	RT	4120 WALLACE RD	1	20	10	23	4
11.201	RT	4120 WALLACE RD	1	20	10	23	4
11.251	LT	FIELD ENTRANCE	1	45	10	50	8
11.251	RT	4122 WALLACE RD	1	30	10	34	6
11.276	LT	FIELD ENTRANCE	1	27	10	30	5
11.291	RT	ROYAL MEADOWS CT	1	26	10	29	5
11.310	LT	4125 WALLACE RD	1	34	10	38	6
11.340	LT	4131 WALLACE RD	1	20	10	23	4
11.405	RT	4216 WALLACE RD	2	29	SEE COLD PLANE AC TABLE		
11.409	LT	4155 WALLACE RD	1	18	10	20	4
11.420	RT	4216 WALLACE RD	2	29	SEE COLD PLANE AC TABLE		
11.430	RT	4212 WALLACE RD	1	20	10	23	4
11.449	LT	4237 WALLACE RD	1	25	10	28	5
11.457	LT	4237 WALLACE RD	1	25	10	28	5
11.457	RT	4242 WALLACE RD	1	48	10	54	9
11.518	RT	4290 WALLACE RD	1	20	10	23	4
11.533	RT	4290 WALLACE RD	1	28	10	32	5
11.559	LT	4323 WALLACE RD	1	26	10	29	5
11.584	RT	4328 WALLACE RD	1	15	10	17	3
11.676	LT	4343 WALLACE RD	1	30	10	34	6
11.682	RT	4450 WALLACE RD	2	70	SEE COLD PLANE AC TABLE		
11.687	LT	4353 WALLACE RD	1	32	10	36	6
TOTAL						1225	208

\*SEE PROJECT DETAIL FOR DRIVEWAY TYPE, SHEET 3

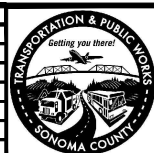
ADDENDUM NO. 1

*[Signature]*  
 REGISTERED CIVIL ENGINEER  
 2/23/2022  
 PLANS APPROVAL DATE



"RECORD DRAWING" INFORMATION TO BE COMPLETED AFTER CONSTRUCTION  
 CONSTRUCTION COMPLETED:  
 RESIDENT ENGINEER AS BUILT DRAWINGS BY:

DATE	REVISION	BY	APPROVED
3/24/2022	ADD CONSTRUCT WELL MONUMENT TABLE	HGM	<i>[Signature]</i>



COUNTY OF SONOMA  
 DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
 JOHANNES J. HOEVERTSZ, P.E., DIRECTOR

2017 FIRE DEBRIS DAMAGED ROADS PAVING PROJECT		ROAD NUMBER	77067
QUANTITY SUMMARIES 1 OF 2 WALLACE RD (77067)		BUDGET NUMBER	C22101
		FISCAL YEAR	2021-22
		SHEET NUMBER	64
		TOTAL SHEETS	65

File: S:\Databases\Design\Current\Projects\22101 - 2017 Fire Debris Damaged Roads Paving Project (1) - Project\22101 Fire Project Plans\DWG\1 - Quantities.dwg Plot Date: Mar 24, 2022 at 10:35





**Attachment D      Exemption Language and Exceptions**



## Reasons why project is exempt:

The project will be exempt from CEQA per Section 21000-21177, Public Resources Code; Title 14, Division 6, Chapter 3, Section 15000-15387, California Code of Regulations due to the following exemption. Refer to the next section for the complete description of the exemption.

### *15301. Existing Facilities*

The proposed project includes improvement of 31 roadways, as listed in Table 1 of Attachment A. Sonoma County will place an asphalt overlay and replace asphalt concrete on roadways. Metal beam guard rail will be replaced as well if necessary to bring the roadways up to current standards. The improvement will not encourage further growth as no additional automobile lanes will be created. The project will merely provide improvements to the existing roadways in order to meet current safety standards. Therefore, the project is consistent with the example provided in 15301(c) of the CEQA Guidelines, in combination with 15301(d) and 15301(f), as the project will result in no expansion of capacity since no additional automobile lanes will be created and repair and maintenance to the structures will improve safety.

### *15300.2. Exceptions*

Even if a project is ordinarily exempt under the potential categorical exemption, CEQA Guidelines Section 15300.2 and Public Resource Code Section 21084 provides specific instances where exceptions to the otherwise applicable exemptions apply. The exceptions and response to each exception are as follows:

1. *Cumulative Impact: The exemption is inapplicable when the cumulative impact of successive programs of the same type and in the same place over time is significant.*

**Response:** No other work or projects of the same type are planned for the project roadways. The project will not result in significant cumulative impacts.

2. *Significant Effect: A categorical exemption shall not be used for an activity when there is reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.*

**Response:** There are no unusual circumstances associated with the project that will result in a significant effect on the environment. The project will occur within existing disturbed roadways. There are no sensitive habitats within the project roadways that will be impacted by the project. The project will not result in a significant effect on the environment due to unusual circumstances.

3. *Scenic Highways: A categorical exemption shall not be used for a project that may result in damage to scenic resources, but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway that has been officially designated as a State Scenic Highway.*

**Response:** As shown in Figure 1 of Attachment A, several project roadways are located adjacent to Highway 12. The segment of Highway 12 immediately east of Dunbar Road, Sylvia Drive, Bonnie Way, and Trinity Road is officially designated as a State Scenic Highway.<sup>1</sup> However, the project will not involve work within Highway 12. The project work

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<sup>1</sup> California Department of Transportation. California State Scenic Highway Map. Website:

will occur within existing roadways and will not significantly impact trees, historic buildings, or rock outcroppings. The project will not result in damage to scenic resources within a State Scenic Highway.

4. *Hazardous Waste Sites: A categorical exemption shall not be used for a project located on a site that is included on any list compiled pursuant to Section 65962.5 of the Government Code.*

**Response:** The project roadways are not listed as hazardous material sites compiled pursuant to Government Code Section 65962.5. One (1) former leaking underground storage tank (LUST) site is located on Castle Road between Seventh Street E and Lovall Valley Road. The cleanup status for the LUST site was completed and closed in 1997.<sup>2</sup> The project will not be precluded from being categorically exempt per this exception.

5. *Historical Resources: A categorical exemption shall not be used for a project that may cause a substantial adverse change in the significant of a historical resource.*

**Response:** The project will involve placement or replacement of asphalt overlay and/or improvement of metal beam guard rail within previously disturbed roadways. There are no known archeological, cultural, or Native American resources within the project roadways. The project will not have any significant impacts on historic and/or historical archaeological resources.

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<https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed January 18, 2022.

<sup>2</sup> State Water Resources Control Board. Buena Vista Vineyards (T0609700792). Website: [https://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700792](https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700792). Accessed: January 14, 2022.

## Exemption Language

Section 21000-21177, Public Resources Code; Title 14, Division 6, Chapter 3, Section 15000-15387, California Code of Regulations

### **15301. EXISTING FACILITIES**

Class 1 consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. The types of “existing facilities” itemized below are not intended to be all-inclusive of the types of projects which might fall within Class 1. The key consideration is whether the project involves negligible or no expansion of use.

Examples include but are not limited to:

- (a) Interior or exterior alterations involving such things as interior partitions, plumbing, and electrical conveyances;
- (b) Existing facilities of both investor and publicly owned utilities used to provide electric power, natural gas, sewerage, or other public utility services;
- (c) Existing highways and streets, sidewalks, gutters, bicycle and pedestrian trails, and similar facilities (this includes road grading for the purpose of public safety), and other alterations such as the addition of bicycle facilities, including but not limited to bicycle parking, bicycle-share facilities and bicycle lanes, transit improvements such as bus lanes, pedestrian crossings, street trees, and other similar alterations that do not create additional automobile lanes);
- (d) Restoration or rehabilitation of deteriorated or damaged structures, facilities, or mechanical equipment to meet current standards of public health and safety, unless it is determined that the damage was substantial and resulted from an environmental hazard such as earthquake, landslide, or flood;
- (e) Additions to existing structures provided that the addition will not result in an increase of more than:
  - (1) 50 percent of the floor area of the structures before the addition, or 2,500 square feet, whichever is less; or
  - (2) 10,000 square feet if:
    - (A) The project is in an area where all public services and facilities are available to allow for maximum development permissible in the General Plan and
    - (B) The area in which the project is located is not environmentally sensitive.
- (f) Addition of safety or health protection devices for use during construction of or in conjunction with existing structures, facilities, or mechanical equipment, or topographical features including navigational devices;
- (g) New copy on existing on and off-premise signs;
- (h) Maintenance of existing landscaping, native growth, and water supply reservoirs (excluding the use of pesticides, as defined in Section 12753, Division 7, Chapter 2, Food and Agricultural Code);
- (i) Maintenance of fish screens, fish ladders, wildlife habitat areas, artificial wildlife waterway devices, streamflows, springs and waterholes, and stream channels (clearing of debris) to protect fish and wildlife resources;
- (j) Fish stocking by the California Department of Fish and Game;
- (k) Division of existing multiple family or single-family residences into common-interest ownership and subdivision of existing commercial or industrial buildings, where no physical changes occur which are not otherwise exempt;
- (l) Demolition and removal of individual small structures listed in this subdivision:
  - (1) One single-family residence. In urbanized areas, up to three single-family residences may be demolished under this exemption.



- (2) A duplex or similar multifamily residential structure. In urbanized areas, this exemption applies to duplexes and similar structures where not more than six dwelling units will be demolished.
- (3) A store, motel, office, restaurant, or similar small commercial structure if designed for an occupant load of 30 persons or less. In urbanized areas, the exemption also applies to the demolition of up to three such commercial buildings on sites zoned for such use.
- (4) Accessory (appurtenant) structures including garages, carports, patios, swimming pools, and fences.
- (m) Minor repairs and alterations to existing dams and appurtenant structures under the supervision of the Department of Water Resources.
- (n) Conversion of a single-family residence to office use.
- (o) Installation, in an existing facility occupied by a medical waste generator, of a steam sterilization unit for the treatment of medical waste generated by that facility provided that the unit is installed and operated in accordance with the Medical Waste Management Act (Section 117600, et seq., of the Health and Safety Code) and accepts no offsite waste.
- (p) Use of a single-family residence as a small family day care home, as defined in Section 1596.78 of the Health and Safety Code.