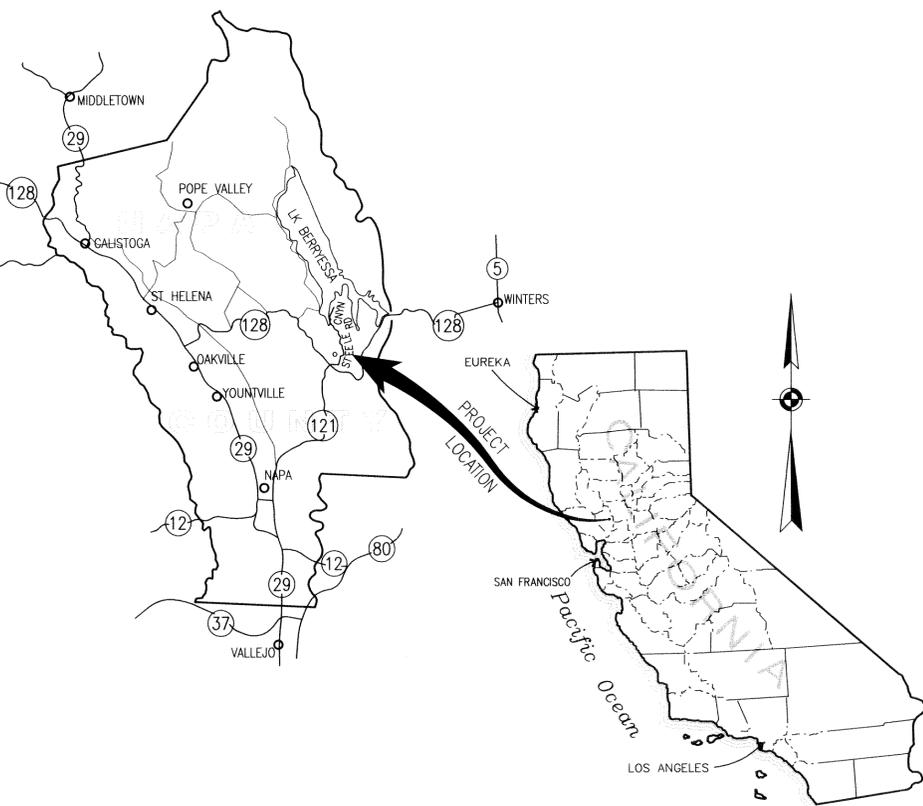


NAPA COUNTY, DEPARTMENT OF PUBLIC WORKS

STEELE CANYON ROAD FEMA REPAIRS AT M.P. 2.25

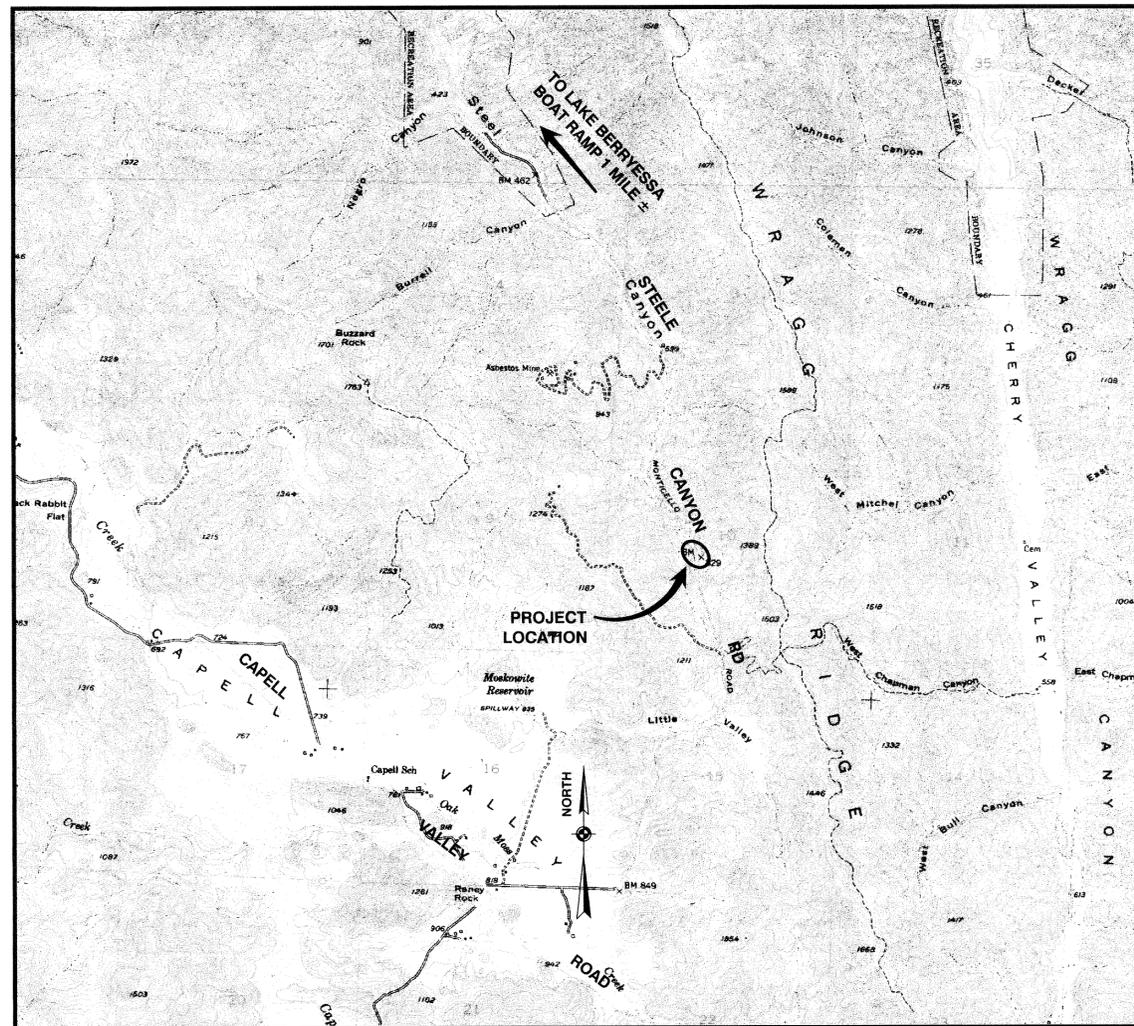
RDS 07-27, FEMA PW 3227

JUNE MAY 2008



LOCATION MAP

N.T.S.



VICINITY MAP

SHEET INDEX

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G-2.0	2 of 10	GENERAL NOTES SYMBOLS & ABBREVIATIONS
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C-2.0	4 of 10	MP 2.25 EX. SITE / DEMO PLAN & PROFILE
C-3.0	5 of 10	MP 2.25 SITE PLAN & PROFILE
C-3.1	6 of 10	MP 2.25 - SECTIONS STA 20+50 TO 21+00
C-3.2	7 of 10	MP 2.25- SECTIONS STA 21+25 TO 22+00
C-4.0	8 of 10	MP 2.25 STRIPING & SIGNAGE PLAN
C-5.0	9 of 10	MP 2.25 DETAILS
S-1.0	10 of 10	MP 2.25 STRUCTURAL DETAILS

CLIENT: NAPA COUNTY DEPT. OF PUBLIC WORKS

BOB PETERSON, DIRECTOR OF PUBLIC WORKS

APPROVAL Robert J. Peterson 6/19/08
SIGNED DATE



PROJECT NO. & DATE CHANGE	SYMBOL	DESCRIPTION	DATE	APPROVED
1				

KELLY ENGINEERS
PH (707) 443-8326
FAX (707) 444-8330

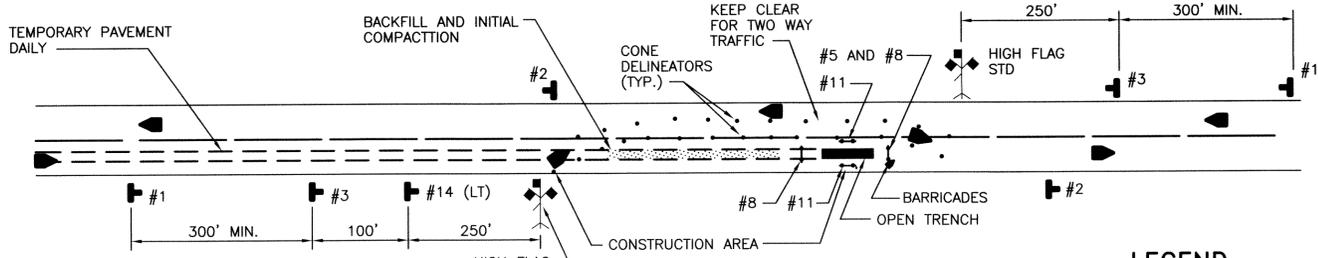
WINZLER CONSULTING
633 THIRD STREET
EUREKA, CA 95501-0417

DES	JS	CHK	AJC
DRN	JS	CHK	AJC
SEAL			

DRAWING SCALE AS NOTED

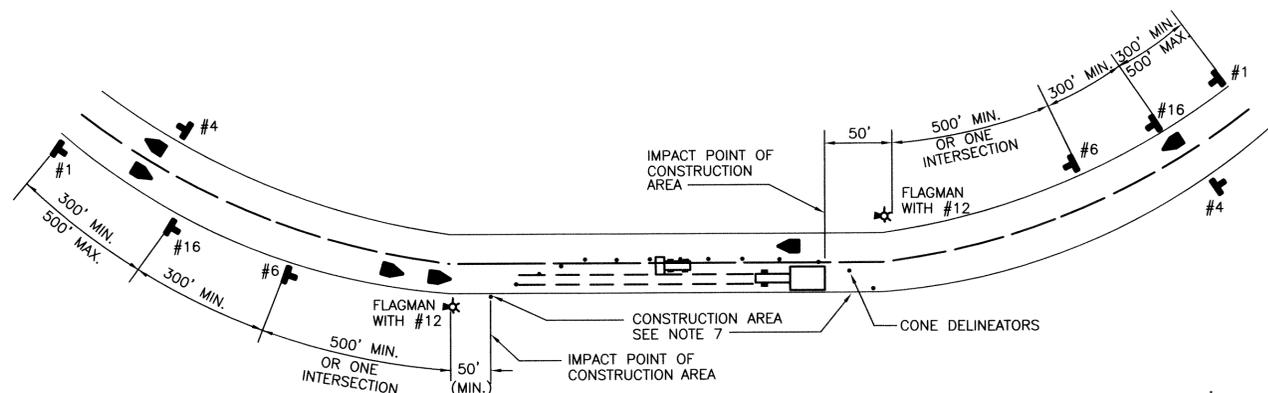
NAPA COUNTY
STEELE CANYON ROAD FEMA REPAIRS
AT M.P. 2.25
GENERAL
COVER SHEET

JOB NUMBER 0230407001
SHEET 1 OF 10
G-1.0



TWO-WAY TRAFFIC
(DAYTIME OPERATION)

- LEGEND**
- SIGN (SMOOTH SIDE FACES TRAFFIC)
 - CONE DELINEATOR
 - ↓ PORTABLE FLASHER SUPPORT
 - DIRECTION OF TRAFFIC



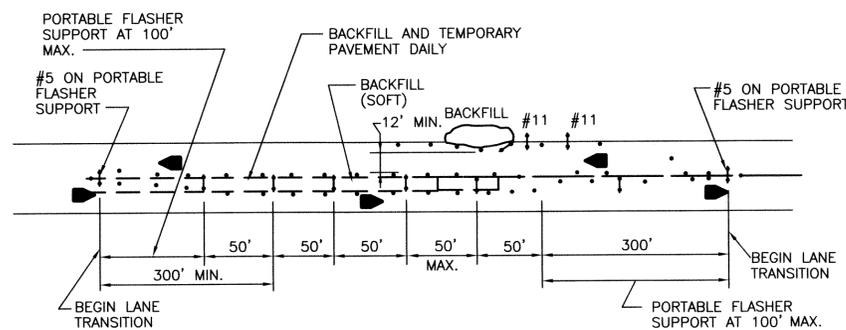
ONE-WAY TRAFFIC
(CONTROLLED BY FLAGMEN)

NOTE: CONTRACTOR SHALL POST SIGNS "CONSTRUCTION AHEAD" A MINIMUM OF 10 DAYS PRIOR TO CONSTRUCTION.

 1 W20-1 (C23) BLACK ON ORANGE 30" x 30" 5" LETTERING (C SERIES)	 2 G20-2 (C14) BLACK ON ORANGE 36" x 18" 5" LETTERING (C SERIES)	 3 W20-4 (C16) BLACK ON ORANGE 48" x 48" 7" LETTERING (C SERIES)	 4 M4-8A (C7) BLACK ON ORANGE 30" x 18" 5" LETTERING (C SERIES)	 5 NONE (C27) BLACK ON ORANGE 24" x 24" (OR 36"x36" OPTIONAL) 4" LETTERING (D SERIES)
 6 W3-4 (C36)	 7 W20-2 (C1) BLACK ON ORANGE 48" x 48" 8" LETTERING (D SERIES)	 8 (TYPE N MARKER) ORANGE 18" x 18"	 9 M4-10 (C5) BLACK ON ORANGE ON BLACK 48" x 18" 6" LETTERING (D SERIES) LEFT AND RIGHT	 10 R11-2 (C2) BLACK ON WHITE 48" x 30" 8" LETTERING (D SERIES)
 11 (TYPE K MARKER) 3" - 3 1/4" YELLOW REFLECTORS ON 15" x 6" WHITE PLATE	 12 N/A WHITE ON RED AND BLACK ON ORANGE ON BLACK 24" x 24" - 8" SERIES C LETTERS 18" x 18" - 6" SERIES C LETTERS NON-REFLECTORIZED	 13 (W3) BLACK ON ORANGE 30" x 30" LEFT AND RIGHT	 14 (W1) BLACK ON ORANGE 30" x 30" LEFT AND RIGHT	 15 W21-1 OR W21-1a (C22) BLACK ON ORANGE 30" x 30" 5" LETTERING (D SERIES)
 16 (69A)	 17 (C30) BLACK ON ORANGE 30" x 30"	 PORTABLE FLASHER SUPPORT BARRICADE BATTERY OPERATED BARRICADE FLASHER 48" MIN. 45° 8" - 12" TYP. 36" MIN. 4" OR 6" ORANGE AND WHITE STRIPES SEE NOTE 6 TYPE III		 CONE DELINEATOR 18" MAX. 18" TO 48" COLOR: ORANGE
		 HIGH FLAG STANDARD FOR WORKING SIGNS ORANGE FLAGS SIGN AS REQUIRED		

GENERAL NOTES:

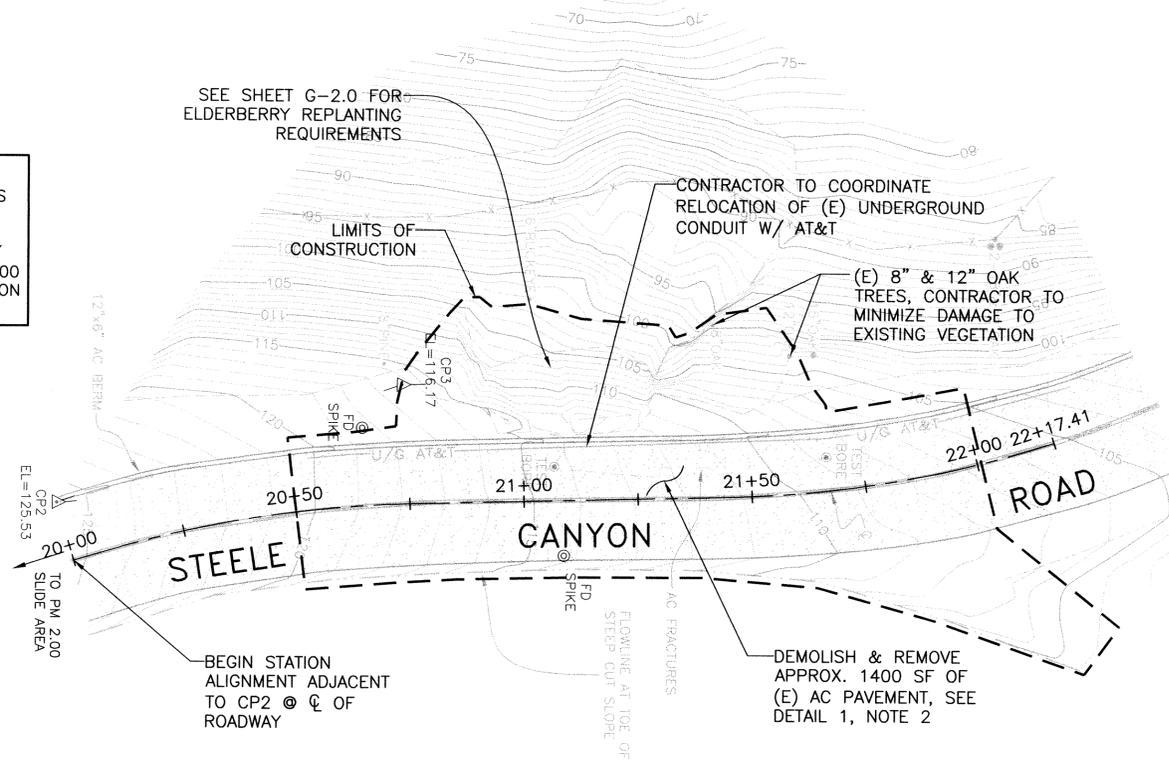
1. THIS TRAFFIC CONTROL PLAN SHALL BE USED IN CONJUNCTION WITH THE "CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ISSUED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), SEPTEMBER 2006 (FHWA'S MUTCD 2003 AS AMENDED FOR USE IN CALIFORNIA).
2. THE CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN, INCLUDING TIME PERIODS, LANE CLOSURE MARKINGS, LANE CHANNELIZATIONS, DETOUR ROUTING, AND ALL SIGN LOCATIONS. PLAN SHALL BE PREPARED BY A LICENSED CA CIVIL ENGINEER AND SHALL BE SUBMITTED AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATION AND SHALL MEET WITH THE APPROVAL OF NAPA COUNTY.
3. TEMPORARY TRAFFIC CONTROL MEASURES SHALL BE IN EFFECT ONLY DURING WORK HOURS. NORMAL TRAFFIC ROUTING SHALL BE RE-ESTABLISHED AT THE END OF EACH WORK DAY. USE ARROW BOARDS FOR EACH LANE CLOSED.
4. DELINEATORS SHALL BE PLACED AT 15 FOOT INTERVALS ALONG LANE TRANSITIONAL AREAS AND AT 50 FOOT INTERVALS ALONG CONSTRUCTION AREAS.
5. DISTANCE BETWEEN SIGNS AND CONSTRUCTION AREA MAY BE VARIED DEPENDING ON TERRAIN, TRAFFIC SPEED, AND TRAFFIC VOLUME.
6. ALL WARNING SIGNS OR DELINEATORS USED FOR NIGHT TIME CONDITIONS SHALL BE REFLECTORIZED OR ILLUMINATED.
7. DURING THE HOURS WHEN NO WORK IS IN PROGRESS, WORKERS SIGNS (NO.15) AND FLAGMAN AHEAD SIGNS (NO.16) SHALL BE COVERED OR REMOVED.
8. PLACE "LANE CLOSED" SIGN (NO.17) ON FLAGTREE AT 500'- 1000' INTERVALS THROUGHOUT EXTENDED WORK ZONES. THEY ARE OPTIONAL IF THE WORK ZONE IS VISIBLE FROM THE FLAGGER STATION.
9. ONE LANE OF TRAFFIC SHALL REMAIN OPEN AT ALL TIMES. MINIMUM LANE WIDTH SHALL BE 11 FEET UNLESS NOTED OTHERWISE.
10. ALL RESIDENT, BUSINESS, AND MUNICIPAL DRIVEWAYS SHALL REMAIN OPEN AT ALL TIMES. PROVIDE TEMPORARY TRAFFIC PLATES AS REQUIRED.
11. WORK HOURS SHALL BE AS FOLLOWS:
SEE PROJECT SPECIFICATIONS
12. THIS PROJECT WILL TAKE PLACE DURING THE SAME TIME PERIOD AS THE STEELE CANYON ROAD REPAIRS AT MP 2.0. DUE TO THE CLOSE PROXIMITY AND LIMITED SIGHT DISTANCE BETWEEN THE TWO PROJECTS THE CONTRACTORS FOR EACH PROJECT SHALL DEVELOP A TRAFFIC CONTROL PLAN THAT WILL ENCOMPASS BOTH PROJECTS.



TYPICAL MINIMUM NIGHT REQUIREMENTS

<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>REVISED NOTE IN ONE WAY</td> <td>6-16-08</td> <td></td> </tr> <tr> <td>2</td> <td>TRAFFIC DETAIL</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>DELETED NOTE 2</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>ADDED NOTE 12</td> <td></td> <td></td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	APPROVED	1	REVISED NOTE IN ONE WAY	6-16-08		2	TRAFFIC DETAIL			3	DELETED NOTE 2			4	ADDED NOTE 12			<p style="text-align: center;">WINZLER KELLER ENGINEERS CONSULTING</p> <p style="text-align: center;">633 THIRD STREET EUREKA, CA 95501-0417 PH (707) 443-8326 FAX (707) 444-8330</p> <p style="text-align: center;">SUBCONSULTANT</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DES</td> <td>US</td> <td>CHK</td> <td>AJC</td> </tr> <tr> <td>DES</td> <td>US</td> <td>SUP</td> <td>SXM</td> </tr> </table> <p style="text-align: center;">DRAWING SCALE AS NOTED</p> <div style="text-align: center;"> </div> <p style="text-align: center;">NAPA COUNTY STEELE CANYON ROAD FEMA REPAIRS AT MP 2.25 CIVIL MP 2.25 TRAFFIC CONTROL PLAN</p> <p style="text-align: center;">JOB NUMBER: 0230407001 SHEET 3 OF 10 C-1.0</p>	DES	US	CHK	AJC	DES	US	SUP	SXM
NO.	DESCRIPTION	DATE	APPROVED																										
1	REVISED NOTE IN ONE WAY	6-16-08																											
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NOTE:
 LOCATION OF EXISTING UTILITIES & STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MIN. OF 48 HOURS PRIOR TO ANY EXCAVATION AND POT HOLE FOR EXACT LOCATION.



**STEELE CANYON ROAD
 MP 2.25 - EXIST. SITE PLAN**

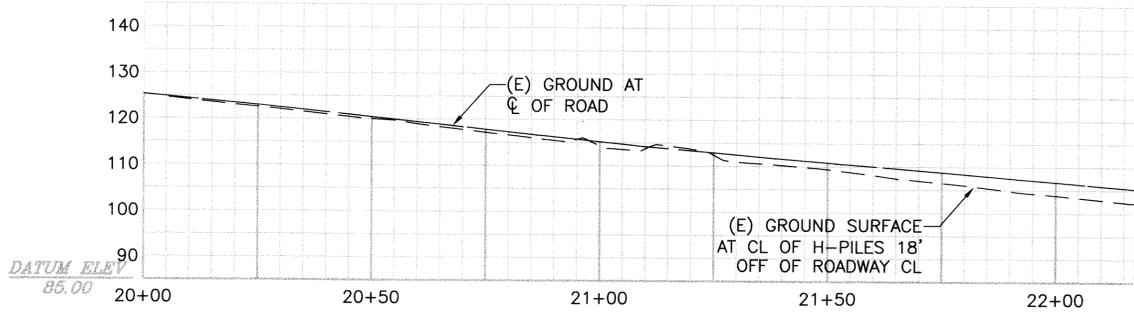
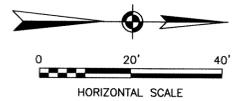
SCALE: SEE SCALE BAR

HORIZONTAL CONTROL TABLE

*STA. 20+00	N 4708.3544 E 5048.9431
CONTROL PT.#1	N 5000.0000 E 5000.0000
CONTROL PT.#2	N 4704.5216 E 5036.2802
CONTROL PT.#3	N 4780.0470 E 5010.2717

*LOCATED APPROXIMATELY 50' AWAY FROM THE NORTHWEST TEST BORING @ APPROX. 7' OFF OF CL OF ROAD AS SHOWN

APPROX. LOCATION OF CONTRACTOR STOCKPILE AND STAGING AREA



**STEELE CANYON ROAD
 MP 2.25 - EXIST CL PROFILE**

SCALE: 0 20' 40'
 GRAPHIC SCALE

SYMBOL	DESCRIPTION	DATE	APPROVED

WINZLER KELLY
 ENGINEERS
 CONSULTING
 633 THIRD STREET
 EUREKA, CA 95501-0417
 PH (707) 443-8326
 FAX (707) 444-8330
 SUBCONSULTANT

DES: JS
 SUPV: SXM
 DRN: JS
 CHK: AJC
 DRAWING SCALE AS NOTED



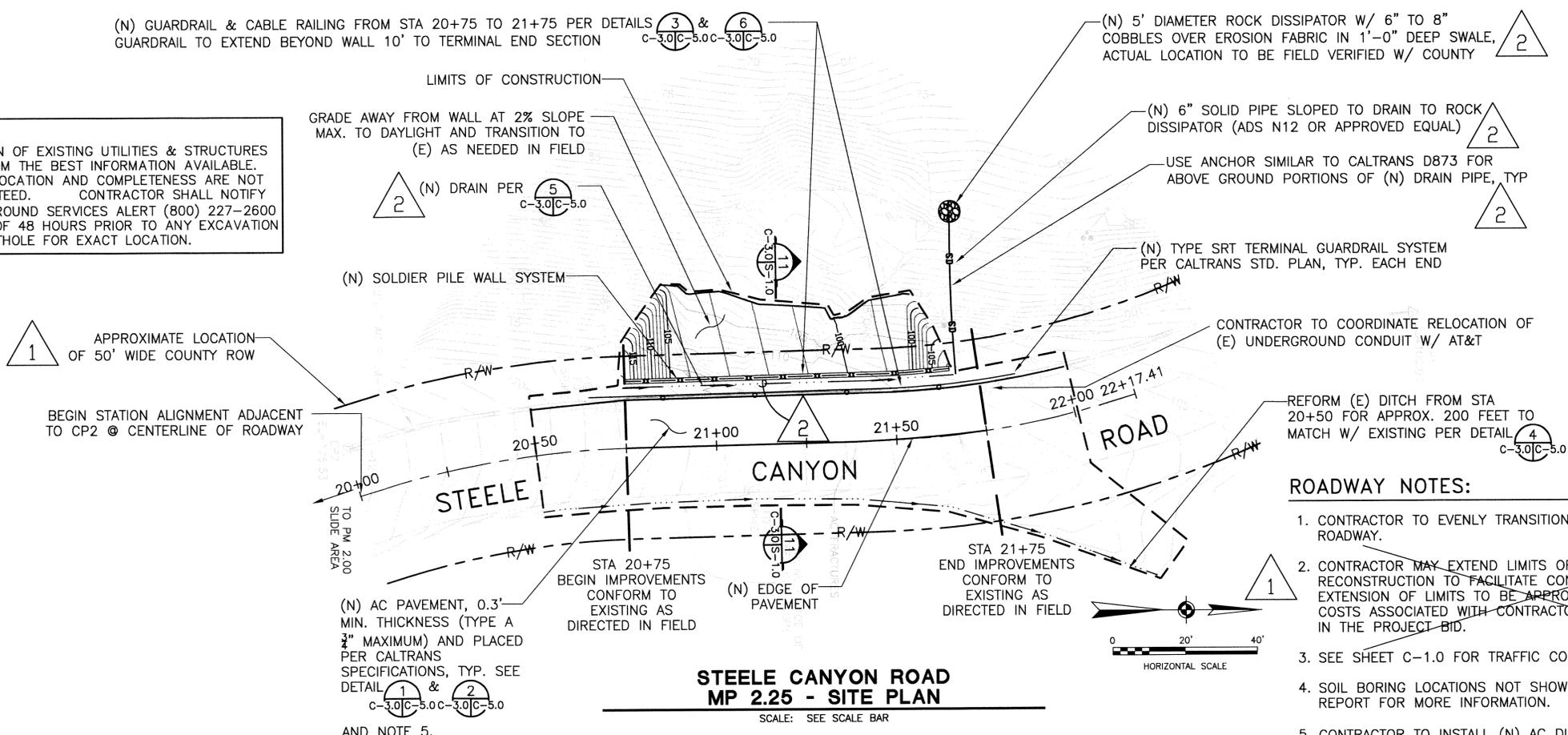
NAPA COUNTY
 STEELE CANYON ROAD FEMA REPAIRS
 AT MP 2.25
 CIVIL
 MP 2.25
 EX. SITE/DEMO PLAN & PROFILE

JOB NUMBER: 0230407001
 SHEET 4 OF 10

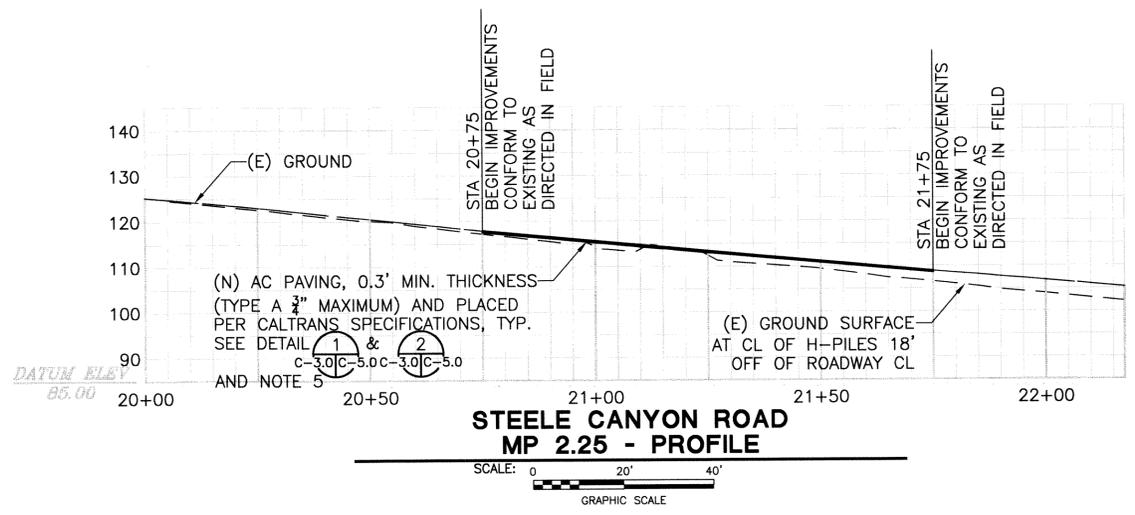
C-2.0



NOTE:
 LOCATION OF EXISTING UTILITIES & STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MIN. OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.



**STEELE CANYON ROAD
 MP 2.25 - SITE PLAN**
 SCALE: SEE SCALE BAR



**STEELE CANYON ROAD
 MP 2.25 - PROFILE**
 SCALE: 0 20' 40'
 GRAPHIC SCALE

HORIZONTAL CONTROL TABLE

*STA. 20+00	N 4708.3544 E 5048.9431
CONTROL PT.#1	N 5000.0000 E 5000.0000
CONTROL PT.#2	N 4704.5216 E 5036.2802
CONTROL PT.#3	N 4780.0470 E 5010.2717

*LOCATED APPROXIMATELY 50' AWAY FROM THE NORTHWEST TEST BORING @ APPROX. 7' OFF OF CL OF ROAD AS SHOWN

ROADWAY NOTES:

- CONTRACTOR TO EVENLY TRANSITION NEW ROADWAY TO EXISTING ROADWAY.
- CONTRACTOR MAY EXTEND LIMITS OF ROADWAY EXCAVATION AND RECONSTRUCTION TO FACILITATE CONTRACTOR ACTIVITIES. ANY EXTENSION OF LIMITS TO BE APPROVED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH CONTRACTOR EXTENSION SHALL BE INCLUDED IN THE PROJECT BID.
- SEE SHEET C-1.0 FOR TRAFFIC CONTROL REQUIREMENTS.
- SOIL BORING LOCATIONS NOT SHOWN HERE, SEE GEOTECHNICAL REPORT FOR MORE INFORMATION.
- CONTRACTOR TO INSTALL (N) AC DIKE ALONG WESTERLY SIDE OF IMPROVEMENTS. SEE SHEET C-5.0 FOR TYPICAL ROAD SECTION.

SYN	DATE	DESCRIPTION	REVISIONS
5/27/08			
6/4/08			

KELLY ENGINEERS
 CONSULTING
 633 THIRD STREET
 EUREKA, CA 95501-0417
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WINZLER CONSULTING
 SUBCONSULTANT
 633 THIRD STREET
 EUREKA, CA 95501-0417
 PH (707) 443-8326
 FAX (707) 444-8330

DES	JS	DRN	JS	CHK	AJC	SCALE
SUPV	SXM					AS NOTED



NAPA COUNTY
STEELE CANYON ROAD FEMA REPAIRS
AT MP 2.25
 CIVIL
MP 2.25
SITE PLAN & TYP. SECTIONS

NAPA COUNTY CALIFORNIA

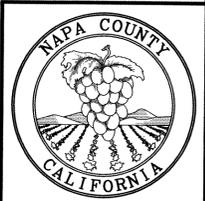
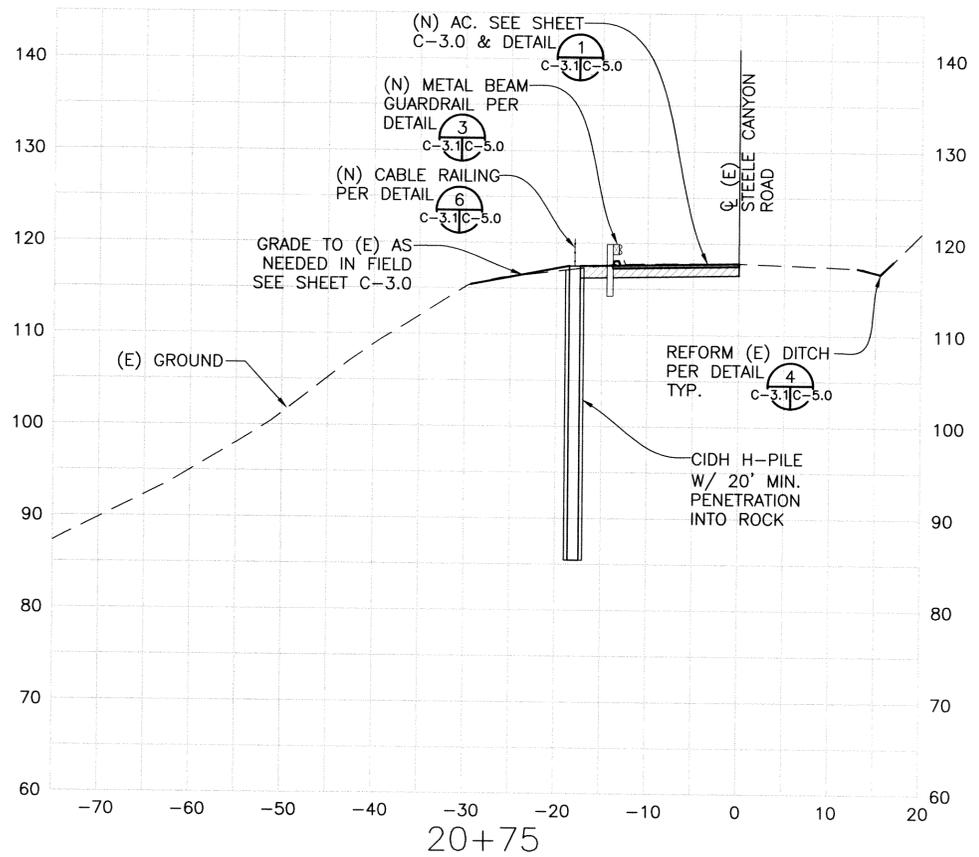
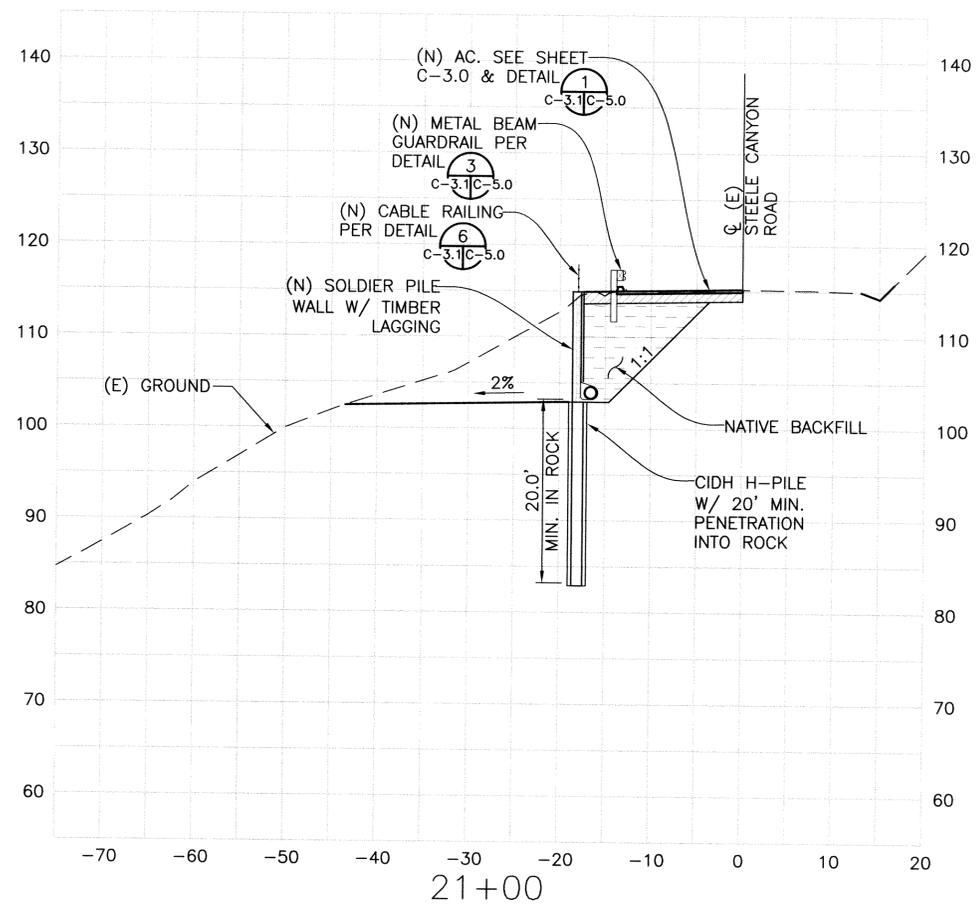
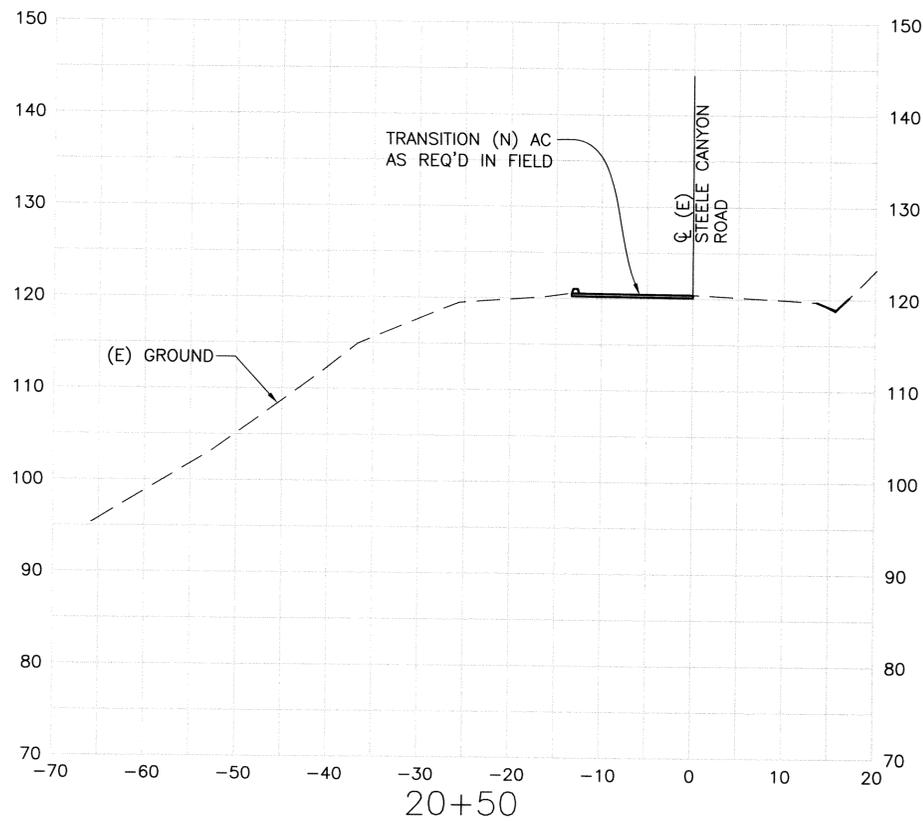
JOB NUMBER: 0230407001
 SHEET 5 OF 10
C-3.0

D

C

B

A



WINZLER KELLY ENGINEERS CONSULTING 633 THIRD STREET EUREKA, CA 95501-0417 PH (707) 443-8306 FAX (707) 444-8330		SUBCONSULTANT	
DES	JS	CHK	AJC
DRN	JS	SUPV	SAM
DRAWING SCALE AS NOTED			
NAPA COUNTY STEELE CANYON ROAD FEMA REPAIRS AT MP 2.25		CIVIL MP 2.25 - SECTIONS STA 20+50 TO STA 21+00	
JOB NUMBER 0230407001			
SHEET 6 OF 10			
C-3.1			

REVISIONS

SYN.

DATE

APPROVED

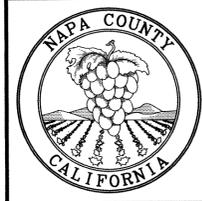
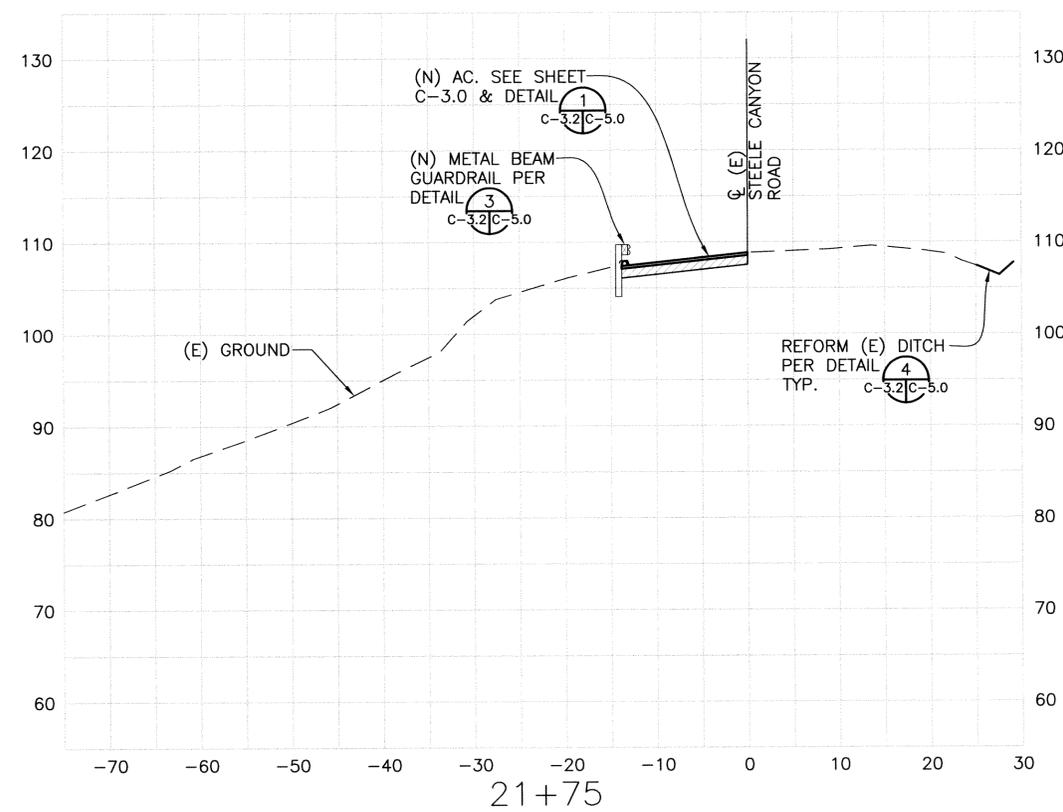
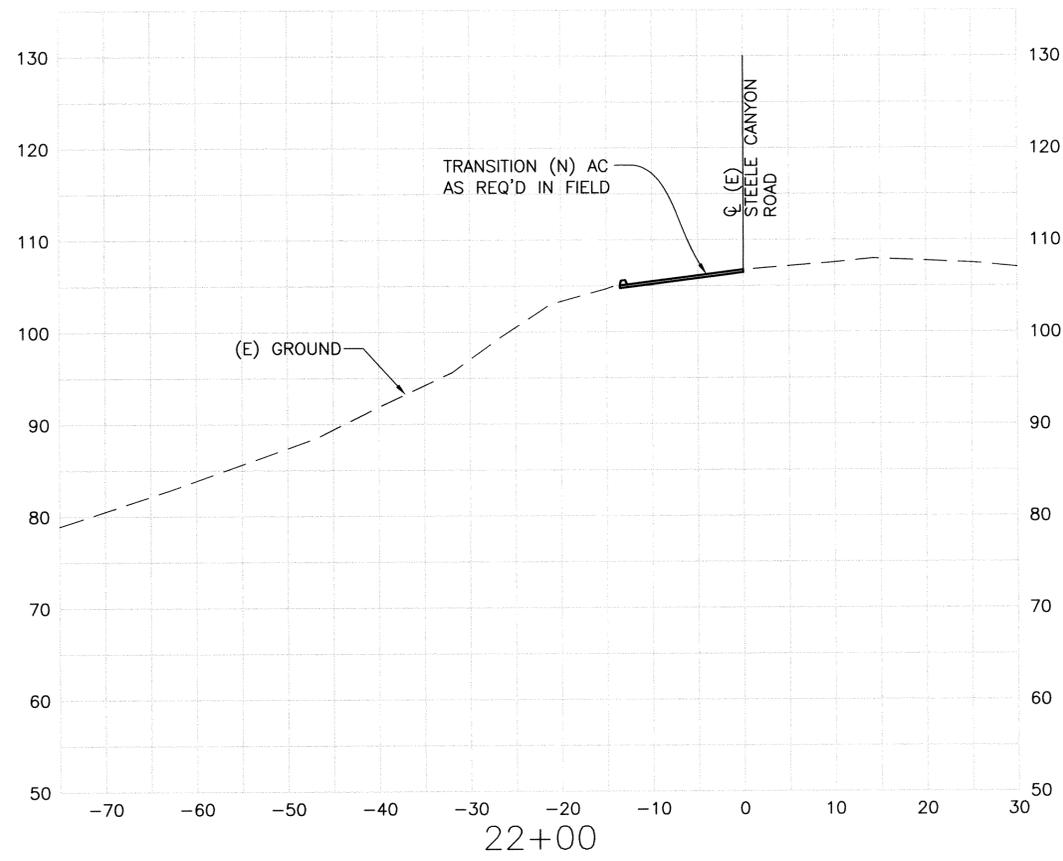
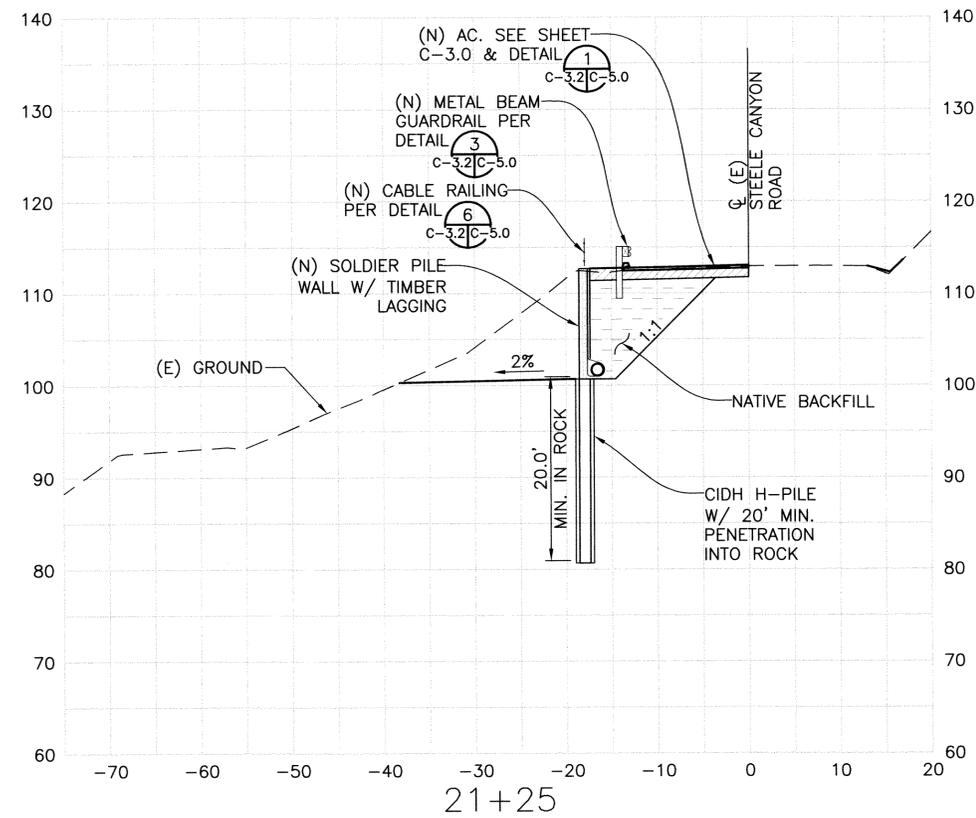
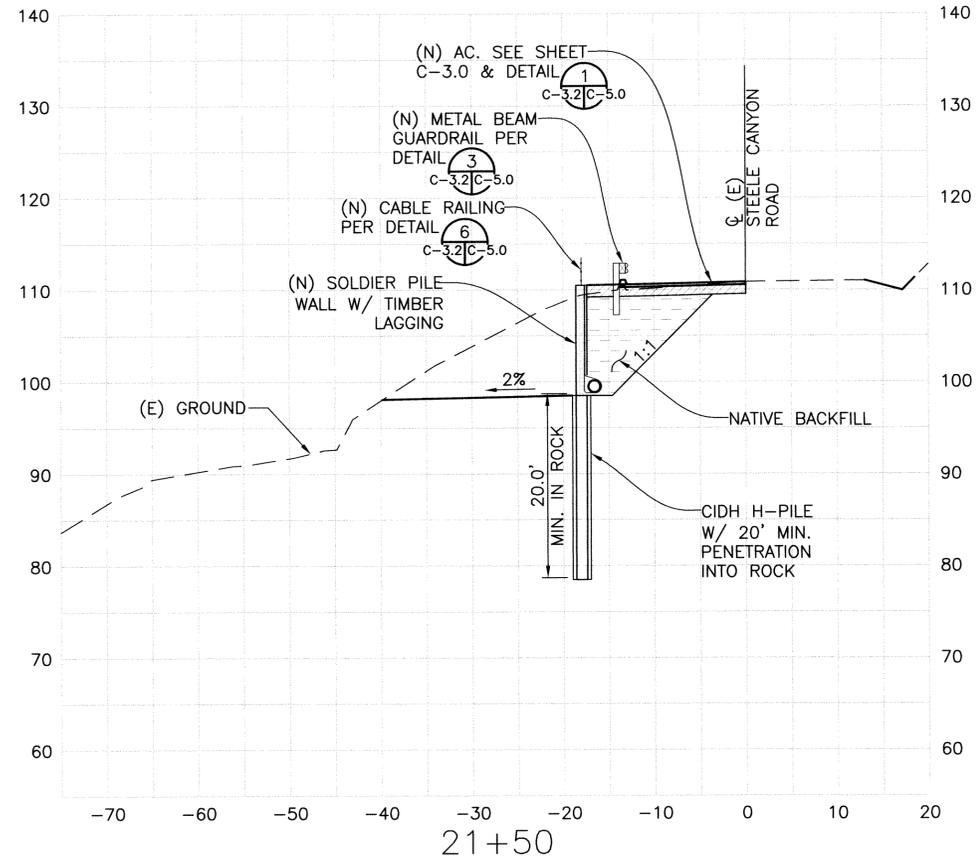
DESCRIPTION

REVISED

BY

DATE

DESCRIPTION



WINZLER KELLY
ENGINEERS
CONSULTING
633 THIRD STREET
EUREKA, CA 95501-0417
PH (707) 443-8326
FAX (707) 444-8330

DESIGNER: JS
CHECKER: AUC
SUPERVISOR: SXM
DRAWING SCALE: AS NOTED

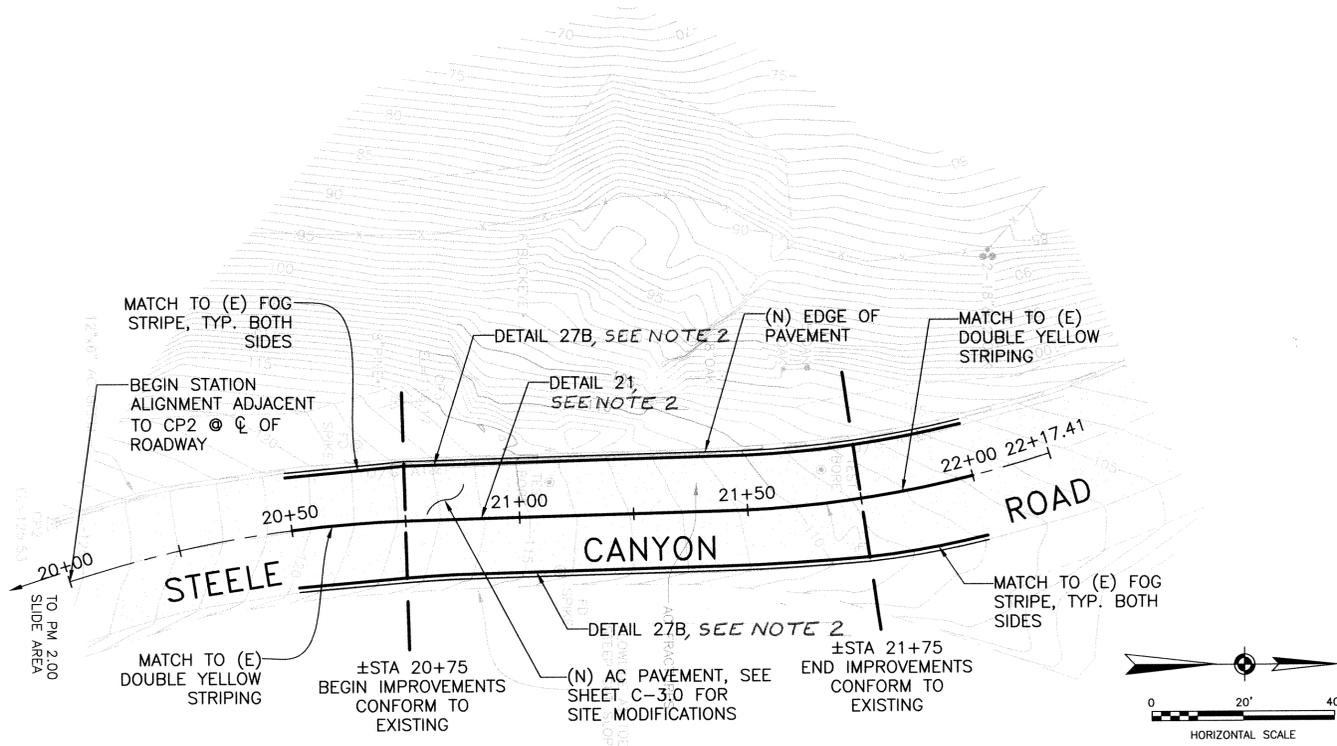


NAPA COUNTY
STEELE CANYON ROAD FEMA REPAIRS
AT MP 2.25
CIVIL
MP 2.25 - SECTIONS
STA 21+25 TO STA 22+00

JOB NUMBER: 0230407001
SHEET 7 OF 10

C-3.2

SYMBOL	DESCRIPTION	DATE	APPROVED



**STEELE CANYON ROAD
MP 2.25 - STRIPING & SIGNAGE PLAN**
SCALE: SEE SCALE BAR

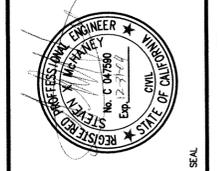
NOTES:

1. REMOVE ALL EXISTING MARKING & DELINEATION WITHIN LIMITS OF WORK SHOWN.
2. (N) STRIPING AND MARKINGS SHALL BE THERMOPLASTIC PER CALTRANS STD. SPECIFICATIONS SECTION 84 AND SEE CALTRANS STANDARD PLAN SHEETS A20A & A20B.
3. SIGNS SHALL BE INSTALLED PER CALTRANS STD. SPECIFICATIONS ON WOOD POSTS.
4. (N) STRIPING & MARKINGS SHALL BE PAINTED PER NAPA COUNTY SPECIFICATIONS

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		

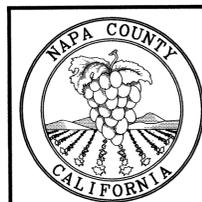
WINZLER & KELLY
ENGINEERS
CONSULTING
633 THIRD STREET
EUREKA, CA 95501-0417
PH (707) 443-8326
FAX (707) 444-8330

DES	JS	DES	JS
DRN	JS	CHK	AJC
SUPV	SXM	DRAWING SCALE	AS NOTED



NAPA COUNTY
STEELE CANYON ROAD FEMA REPAIRS
AT MP 2.25
CIVIL
MP 2.25
STRIPING & SIGNAGE PLAN

JOB NUMBER 0230407001
SHEET 8 OF 10



C-4.0

