

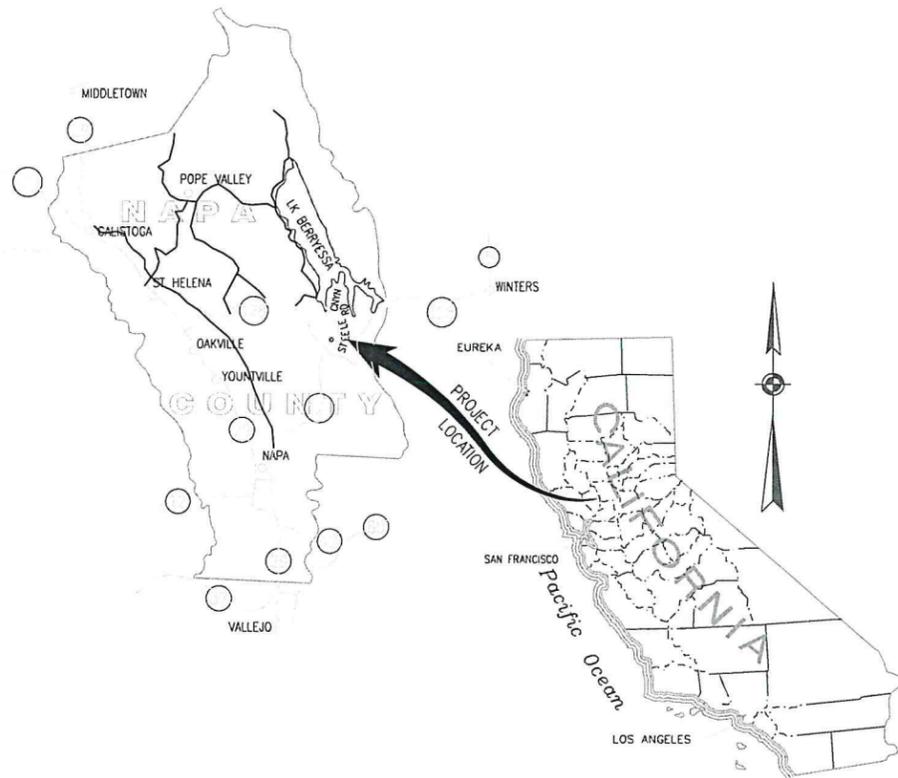
NAPA COUNTY, DEPARTMENT OF PUBLIC WORKS

STEELE CANYON ROAD FIRE REPAIRS AT M.P. 2.25

RDS 20-41, FEMA PW TBD

SEPTEMBER 2020

THIS PROJECT IS TO REPAIR A RETAINING WALL CONSTRUCTED IN 2008. THE AS-BUILTS DRAWINGS FROM THAT PROJECT ARE ATTACHED FOR INFORMATIONAL PURPOSES. THE ORIGINAL RETAINING WALL WAS CONSTRUCTED WITH WOOD LAGGING THAT WAS DESTROYED IN THE 2020 LNU FIRE. THIS PROJECT IS TO REPLACE THAT LAGGING. THESE PLANS ARE FROM THE ORIGINAL REPAIR, PREVIOUSLY CONSTRUCTED WORK IS FADED AND IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. PURPOSED WORK IS HIGHLIGHTED.

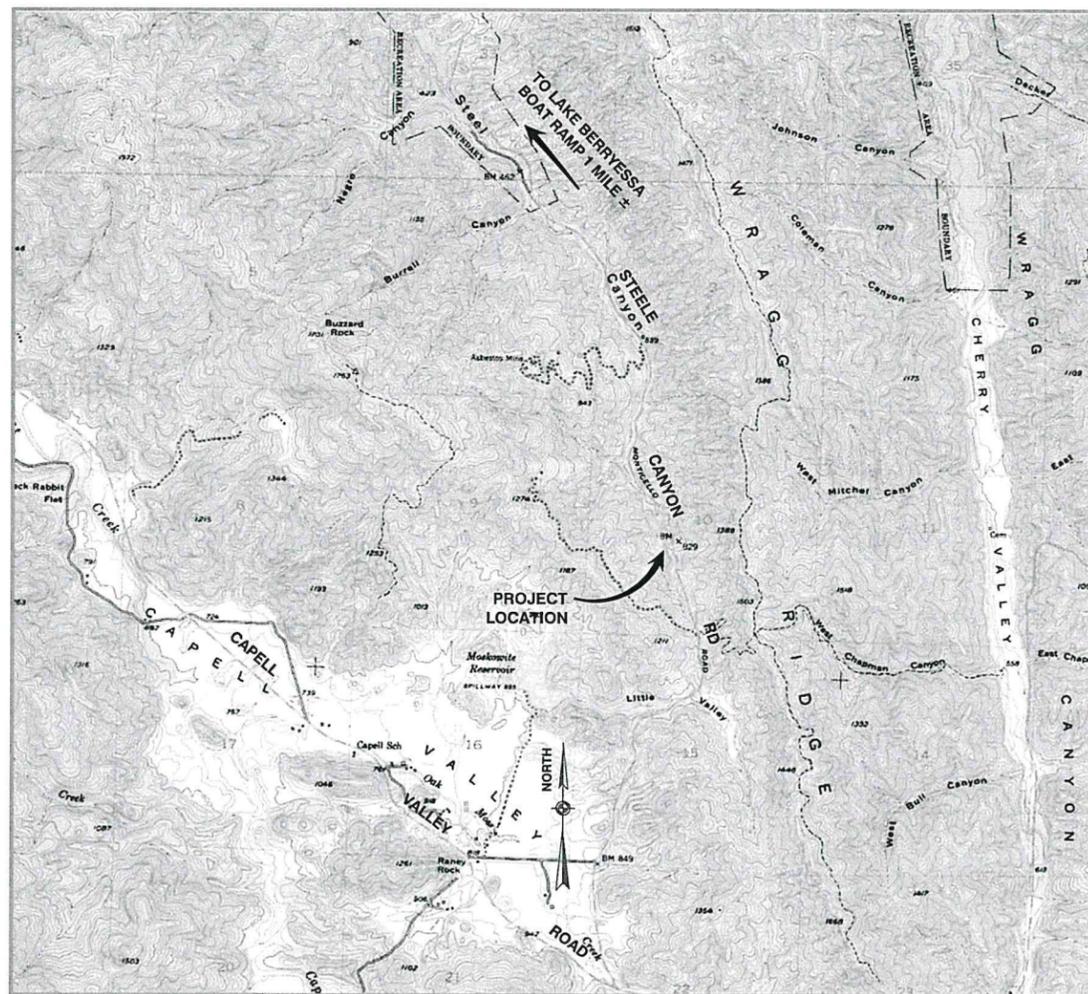


LOCATION MAP

N.T.S.



Exp: 9/30/22



SOURCE: USGS QUADRANGLE MAP

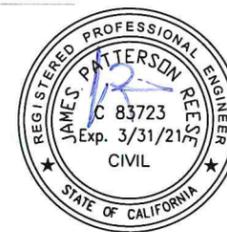
VICINITY MAP

0 2,000' 4,000'
SCALE

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ISSUED FOR BID



DATE: 9/8/2020 IFC		DESIGN: JAR		SHEET TITLE COVER SHEET	
SCALE: NOT TO SCALE		DRAWN: JAR		PROJECT TITLE STEELE CANYON ROAD MPM 2.25 2020 FIRE DAMAGE REPAIR-RETAINING WALL	
FILE NAME: RDS 20-41		CHKD: GW		RDS 20-41	
SURVEY NOTE:				1 10 SHEET OF	

PROJECT GENERAL NOTES:

1. THE CONTRACTOR SHALL BE IN RECEIPT OF APPROVED PLANS AND PERMITS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE AREA PRIOR TO THE BEGINNING OF WORK.
3. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST ABATEMENT DURING CONSTRUCTION OPERATIONS. A WATER TRUCK OR OTHER WATERING DEVICE SHALL BE ON THE CONSTRUCTION SITE ON ALL WORKING DAYS WHEN NATURAL PRECIPITATION DOES NOT PROVIDE ADEQUATE MOISTURE OR COMPLETE DUST CONTROL. SAID WATERING DEVICE SHALL BE USED TO SPRAY WATER ON THE SITE AT THE END OF EACH DAY AND AT ALL OTHER INTERVALS AS NEED DICTATES, TO CONTROL DUST, PURSUANT TO NAPA COUNTY ORDINANCE CODE, SECTION 12.20.330, CEQA, SECTION 15041.
5. ANY BURNING ON THE SITE IS NOT ALLOWED.
6. FOR GEOTECH INFO, REFER TO THE GEOTECHNICAL INVESTIGATION BY BLACKBURN ENGINEERING, DATED "JULY 25, 2007".
7. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

CONSTRUCTION SPECIFICATIONS AND STANDARDS:

1. A COMPONENT IN ONE CONTRACT PART APPLIES AS IF APPEARING IN EACH. THE PLANS AND SPECIFICATIONS PARTS ARE COMPLEMENTARY AND DESCRIBE AND PROVIDE FOR A COMPLETE WORK. IF A DISCREPANCY IS FOUND OR CONFUSION ARISES, REQUEST CORRECTION OR CLARIFICATION IN WRITING. ANY DEVIATION FROM THE APPROVED PLANS AND SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER AND ALL CHANGES SHALL BE BY WRITTEN PERMISSION ONLY.
2. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CONTRACT SPECIFICATIONS, THESE PLANS, THE NAPA COUNTY ROAD AND STREET STANDARDS DATED SEPTEMBER 26, 2017, AND THE 2018 CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS, INSOFAR AS THEY MAY APPLY. ATTENTION IS ALSO DIRECTED TO THE STANDARD DRAWINGS CONTAINED IN THE ABOVE STANDARDS, WHICH, WHEN APPLICABLE, ARE INCLUDED IN THESE DRAWINGS AND/OR REFERENCED BY STANDARD PLAN NUMBER. CONTRACTOR IS RESPONSIBLE TO HAVE AVAILABLE A CURRENT SET OF LISTED STANDARD SPECIFICATIONS STANDARD PLANS. NAPA COUNTY STANDARD SPECIFICATIONS & DETAILS CAN BE FOUND AT: <http://www.countyofnapa.org/>

NAPA COUNTY GENERAL NOTES:

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE COUNTY AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
2. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THESE PLANS, THE NAPA COUNTY ROAD AND STREET STANDARDS, THE CONTRACT SPECIFICATIONS FOR THIS PROJECT, THE 2018 CALTRANS STANDARD SPECIFICATIONS, INSOFAR AS THEY MAY APPLY.
3. CONTRACTOR SHALL CONTACT THE COUNTY ENGINEER, OR HIS/HER DESIGNEE, TO ARRANGE A PRE-CONSTRUCTION CONFERENCE FOR THE PURPOSE OF REVIEWING JOB REQUIREMENTS AND COUNTY PROCEDURES.
4. CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER OR HIS/HER DESIGNEE, AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK.
5. CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRICADES TO PROVIDE FOR THE SAFETY OF THE STAFF AND PUBLIC TO THE SATISFACTION OF THE ENGINEER.
6. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND THE ENGINEER, IN WRITING, 48 HOURS IN ADVANCE OF ANY DRIVEWAY ACCESS INTERRUPTIONS. MAIL SERVICE SHALL BE MAINTAINED THROUGHOUT THE COURSE OF THIS PROJECT. THE U.S. POSTAL SERVICE SHALL HAVE UNINTERRUPTED ACCESS TO MAILBOXES AT ALL TIMES.
7. IF THE CONTRACTOR DAMAGES THE ROADWAY IN THE REPAIR OF THE RETAINING WALL THEY MUST REPAIR THE ROAD TO ITS ORIGINAL CONDITION, 4" OF AC OVER 1' OF AB.

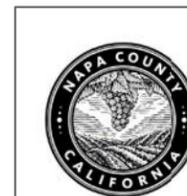
8. CONTRACTOR SHALL VERIFY LOCATIONS, LEVELS, DISTANCES, AND FEATURES THAT MAY AFFECT THE WORK. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED IN THESE PLANS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS, OR IF IT APPEARS THAT THESE PLANS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE IN THE CONTRACTOR'S BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLIGENCE IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
9. A SET OF SIGNED PLANS AND A SET OF SPECIFICATIONS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
10. ALL MATERIALS SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
11. ALL MAILBOXES, STREET SIGNS, POSTS, ETC. IN CONFLICT WITH PROJECT SHALL BE TEMPORARILY RELOCATED.
12. NEW EDGE OF PAVEMENT SHALL BE A CLEAN CONFORM WITH EXISTING ASPHALT CONCRETE SURFACES, INCLUDING DRIVEWAYS. THE CONTRACTOR SHALL CLEAN THE SITE AT THE END OF EACH WORK DAY AND RESTORE SITE AT THE END OF THE PROJECT.
13. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, FOR MARK OUTS OF EXISTING UNDERGROUND FACILITIES.
14. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF ANY LIMITED OVERHEAD CLEARANCES.
15. EXCAVATIONS OVER FIVE FEET (5') DEEP REQUIRE AN EXCAVATION PERMIT FROM THE STATE DEPARTMENT OF INDUSTRIAL SAFETY.
16. NOTICE TO CONTRACTORS: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY LINES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THESE PLANS.
17. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES AND UTILITIES DURING CONSTRUCTION. 1.
18. EXISTING VEGETATION SHALL BE REMOVED ONLY AS DIRECTED BY THE ENGINEER.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAWFUL OFF-SITE DISPOSAL OF ALL BITUMINOUS PAVEMENT, CONCRETE AND REINFORCEMENT, AND SPOILS NOT NEEDED FOR BACKFILL AS REQUIRED BY THE ENGINEER AND PER SPECIFICATIONS.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT AND STAKING.
21. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING STORM WATER BMP'S AND MAINTAINING THEM DURING CONSTRUCTION AS REQUIRED. ALL DISTURBED AREAS ARE TO BE SEEDED AS DIRECTED BY THE ENGINEER.
22. THE CONTRACTOR SHALL ADHERE TO ALL TERMS OF THE PERMITS FOR THIS PROJECT.
23. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AND A CORNER RECORD FILED WITH THE COUNTY SURVEYOR'S OFFICE AT THE CONTRACTOR'S EXPENSE.
24. THE CONTRACTOR SHALL KEEP A REDLINED SET OF ALL CHANGES, EXCEPTIONS, OR MODIFICATIONS MADE TO THE PLANS & SHALL FURNISH THEM TO THE ENGINEER UPON COMPLETION OF WORK FOR THE PREPARATION OF RECORD DRAWINGS TO ALL AGENCIES INVOLVED.
25. NO ROAD CLOSURE IS ALLOWED.
26. ENVIRONMENTAL PROTECTION: CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE COUNTY'S PROJECT MANAGER AND INSPECTOR IF UNKNOWN HISTORIC, CULTURAL OR ARCHEOLOGICAL REMAINS AND ARTIFACTS ARE DISCOVERED.

SURVEY:

THE BASIS OF ELEVATIONS USED FOR THIS SURVEY IS A NAIL AND SHINER IN THE NORTH OF THE PROJECT SITE AND SLIDE AREA. THAT ELEVATION BEING ASSUMED AT 100.00 FEET.

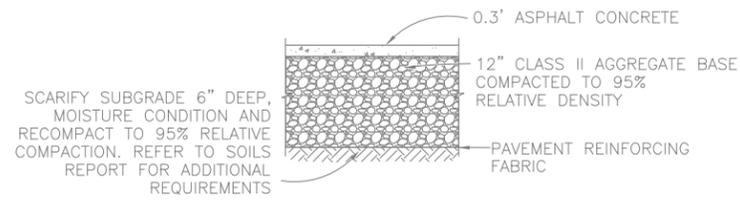
SITE TOPOGRAPHY SURVEY CONDUCTED BY WINZLER AND KELLY IN MAY 2007. HORIZONTAL AND VERTICAL DATUMS ASSUMED.

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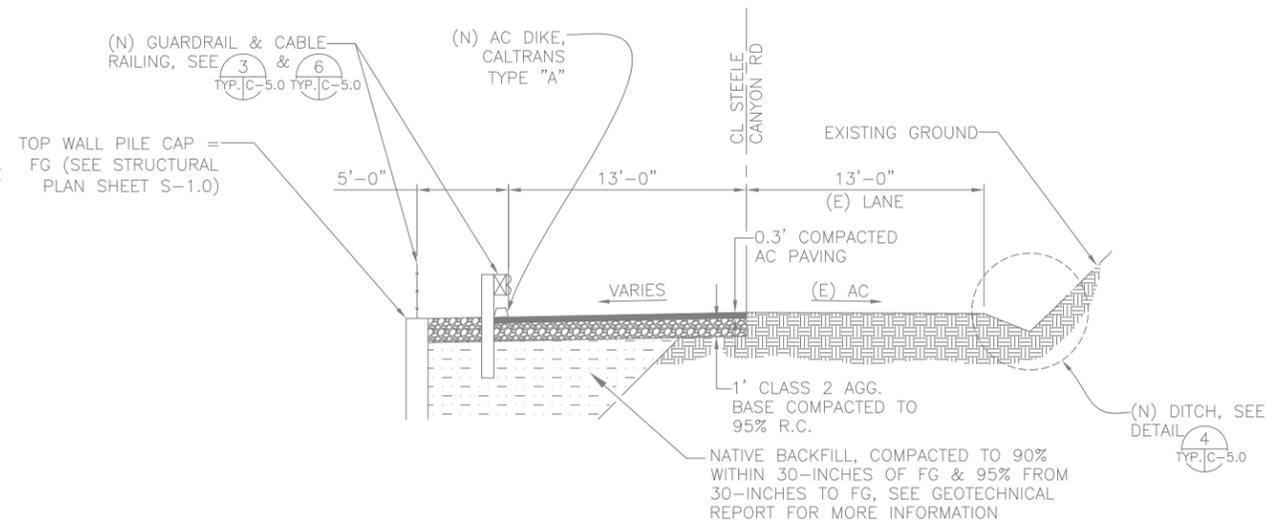
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SURVEY NOTE:	

SHEET TITLE GENERAL NOTES	
PROJECT TITLE STEELE CANYON ROAD MPM 2.25 2020 FIRE DAMAGE REPAIR-RETAINING WALL	
RDS 20-41	2 OF 10
	SHEET OF

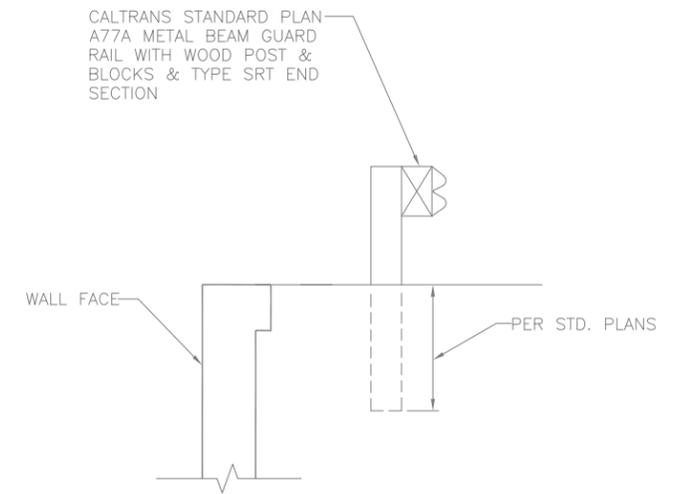


- NOTES:
1. SEE GENERAL NOTES (SHEET G-2.0) AND GEOTECHNICAL REPORT FOR MORE DETAILED INFORMATION ON STRUCTURAL SECTION REQUIREMENTS.
 2. CONTRACTOR HAS THE OPTION USING FULL DEPTH RECLAMATAION OF EXISTING AC AND AGGREGATE BASE AT LOCATIONS BEYOND THE EXCAVATION LIMITS OF THE SOLDIER PILE WALL FOR REUSE AS COMPACTED BASE UNDER NEW AC.

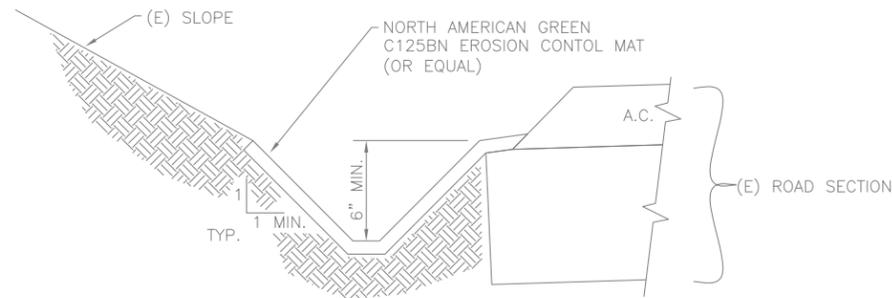
1 NEW STRUCTURAL PAVING SECTION
TYP. | C-5.0 SCALE: N.T.S.



2 TYPICAL ROAD SECTION
TYP. | C-5.0 SCALE: N.T.S.

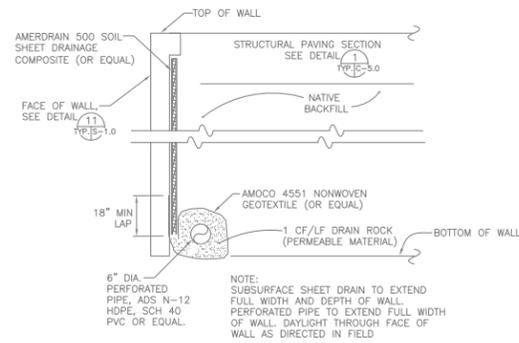


3 GUARDRAIL DETAIL
TYP. | C-5.0 SCALE: N.T.S.

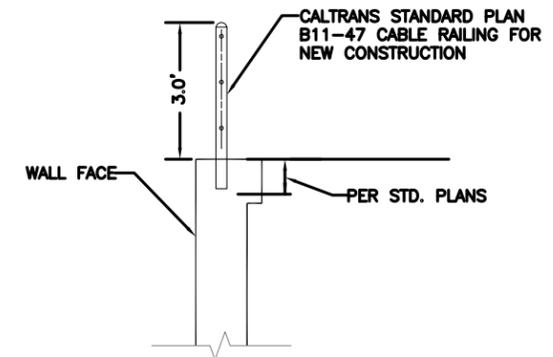


- NOTES:
1. SHAPE AND COMPACT DITCH TO CONFORM TO (E) SURROUNDING GRADES.
 2. BROADCAST SEED PER SEED MIX ON SHEET G-2.0 PRIOR TO PLACEMENT OF MAT.
 3. APPLY AND STAPLE EROSION CONTROL MAT FULL LENGTH OF DITCH.

4 TYPICAL DITCH DETAIL
TYP. | C-5.0 SCALE: N.T.S.



5 SUBSURFACE WALL DRAIN DETAIL
TYP. | C-5.0 SCALE: N.T.S.



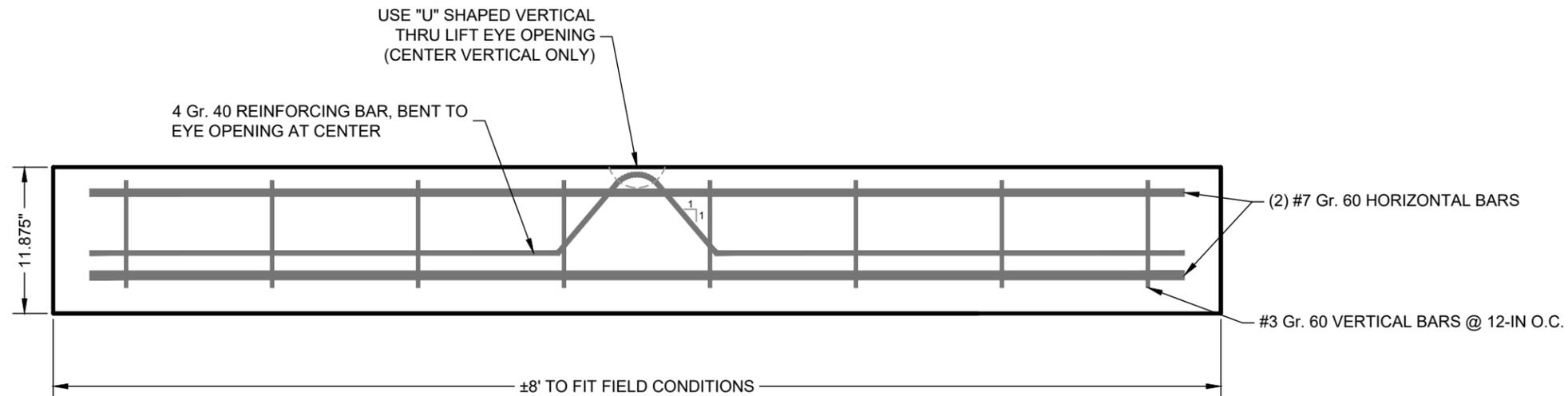
6 CABLE RAILING DETAIL
TYP. | C-5.0 SCALE: N.T.S.



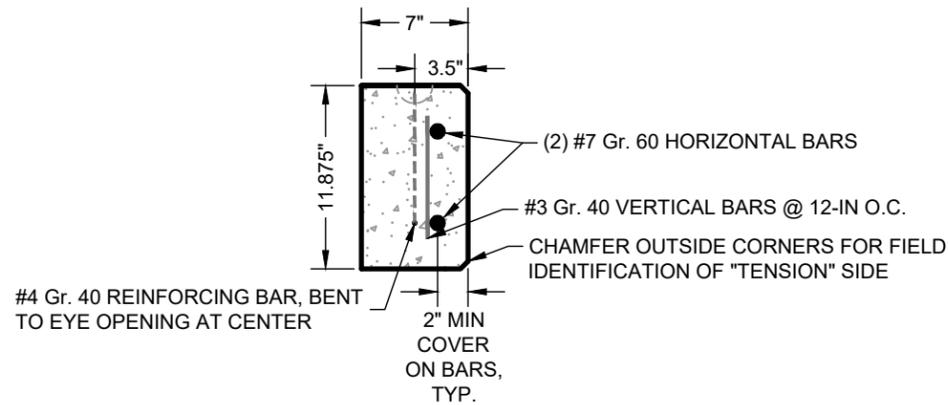
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SHEET TITLE DETAILS	
PROJECT TITLE STEELE CANYON ROAD MPM 2.25 2020 FIRE DAMAGE REPAIR-RETAINING WALL	
RDS 20-41	9 OF 10

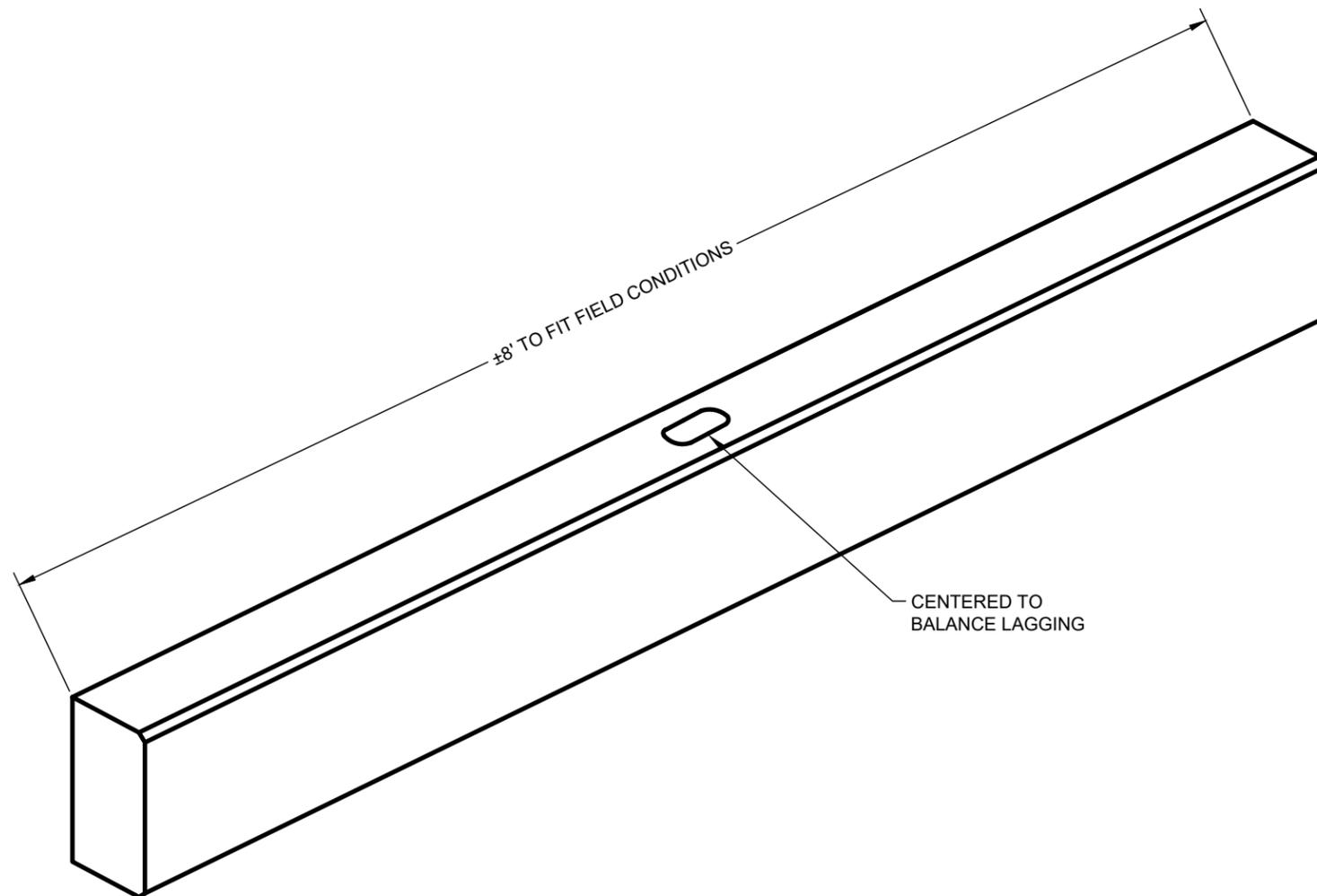


CONCRETE LAGGING FOR RETAINING WALL REPAIR



NOTES:

- 1.) f_c OF CONCRETE TO BE 4,000 PSI MINIMUM AT 28 DAYS.
- 2.) ALLOW SUFFICIENT CURE TIME BEFORE LIFTING BEAMS, TYPICALLY 2,500 PSI STRENGTH IS REQUIRED
- 3.) DESIGN IS BASED ON 45 PCF ACTIVE PRESSURE AND 200 PSF SURCHARGE WITH A MAXIMUM HEIGHT OF 12'
- 4.) PLACE 1/8" THICK NON-ORGANIC SPACERS BETWEEN LAGGING FOR DRAINAGE.
- 5.) PLACE MIRAFI 140N FABRIC ON RETAINED SIDE OF LAGGING AND BACKFILL ANY VOIDS BETWEEN FABRIC AND SOIL WITH PEA GRAVEL OR 3/4" CRUSHED ROCK
- 6.) LAGGING SHALL LAP 3" MINIMUM ON STEEL BEAMS



Revisions	Mark	Date	By

504 Redwood Blvd.
 Suite 220
 Novato, CA 94947
 T 415 / 382-3444
 F 415 / 382-3450
 www.millerpac.com

MILLER PACIFIC ENGINEERING GROUP

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 FILE: 1114.02 Concrete Lagging Details.dwg

Designed	Drawn	Checked	Date
RGB	RGB	MPM	3/10/2017

CONCRETE LAGGING DETAILS

Steele Canyon MP 2.25
 Napa, California

Project No. 1114.02



SHEET

1