

City of Livermore

Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500

Encroachment
Permit No. EN220432
Type: PG&E

PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

Applicant/Permittee:

Name: PG&E / Daniella Delledera
Address: 6121 Bollinger Canyon Rd
San Ramon CA, 94583
Phone: 925-270-6009

Total: \$0.00

Contractor:

Name:
Address:
Phone:

LIVERMORE

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.

JOB LOCATION: Bear Creek Drive & Laughlin Rd, LI, CA

DESCRIPTION OF WORK: UPDATED PERMIT EN220354

PG&E TRENCH ELECTRIC ONLY, PGE install 6" duct & re-route cable , make final connections of duct, PGE to Backfill, PGE provide all electric substructures. (4' 6" x 8' 6" x 6') primary splice box by PGE, install ss-switch in (4' 6" x 8' 6" x 6') primary enclosure. Trench line will be roughly 3 FT wide and 600 FT long on Laughlin Rd. Approximately from box #3 to box #7
PM# PM35322935.

Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Hold Harmless and Indemnification Agreement: PG&E / Daniella Delledera agrees to defend, indemnify and hold the City of Livermore, elected officials, officers, directors, employees, agents and volunteers harmless from and against any and all loss, liability, damage, including reasonable attorney and expert fees and/or court costs, arising out of or in connection with this agreement, except for the gross negligence and willful misconduct of the City of Livermore, its elected officials, officers, directors, employees, agents and volunteers.

PG&E / Daniella Delledera

Signature of Permittee: *Daniella Delledera*

City Engineer

By: DANIELLA DELLEDERA

By: *Fan*

Title: Permit Facilitator

Date of Issue: 9/22/22

Date: 9/22/2022

Inspector: _____

Date Work Completed: _____

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City of Livermore

Encroachment Permit No. EN220432

**Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500**

SPECIAL REQUIREMENTS APPLICABLE TO WORK ASSOCIATED WITH

JOB LOCATION: Bear Creek Drive & Laughlin Rd, LI, CA

DESCRIPTION OF WORK: UPDATED PERMIT EN220354

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Contractor must have this final, approved plans/drawings and permit on job sites at all times.

*Contractor is responsible to ensure the project site is not on the City of Livermore's Moratorium List. Projects on the Moratorium List must be restored to its original condition as instructed by the Inspector. The latest Moratorium List is located at:
<https://www.cityoflivermore.net/government/community-development/engineering/encroachment-permits> .*

All pavement markings shall be removed upon completion of the project.

City has performed a cursory review of the traffic control plan for conformity with extent of work and City work hours, but it is the contractor's responsibility to make sure all traffic control is in conformance with the current California MUTCD.

Provide Flagger/worker to assist pedestrians through the work area.

Coordinate with LAVTA to relocate bus stops during construction, if bus services are to be affected.

If Contractor is performing work adjacent to a residential property, Contractor shall notify resident in writing 72 hours in advance that work shall be done on or adjacent to their property.

Contractor shall notify & coordinate utility modifications with the property owner and the City if a private utility is to be impacted within their property frontage.

Backfill shall be placed in accordance with the current City Standard Detail G-1.

Material excavated from within the City road right-of-way under this permit shall be removed from within the right-of-way and disposed of in a legal manner. (Sec. 12.08.170 Livermore Municipal Code)

The right-of-way shall be left clean and orderly daily to the satisfaction of the City Engineer or his representative. The permittee shall give particular attention to maintaining the project in a dust-free condition while performing the various items of work and during non-working periods, including weekends.

Job sites left in an unsafe condition will be secured by City personnel and the permittee will be billed for all expenses incurred by the City.

Final asphalt concrete surfacing shall be placed within 14 days of completion of each 300 linear feet of excavation. If the edges of the trench have been ravelled prior to final surfacing, the edges shall be re-sawn.

Where concrete is placed in a planter strip, score lines, construction joints and expansion joints shall be continued across entire sidewalk area. Where curb, gutter and sidewalk are placed monolithically, the "back edge" of the curb shall be scored.

No culverts or storm drains are to be cut or disturbed. Direction of flow and capacity of existing surface water drainage facilities shall not be materially changed.

Access to public and private properties adjacent to the public road in which work is authorized shall not be denied by reason of such work. Special measures shall be taken to insure passage for emergency vehicles over and at the site of work at all times.

Any existing facilities damaged or removed in the course of the work shall be replaced in kind or better, including ground and pavement surfaces, signs, striping, markers, curb, gutter, survey monuments, trees and other vegetation, etc., to the satisfaction of the owner of said facility.

All work shall be completed between the hours of 9 a.m. and 3 p.m.

Contractor shall repair/replace all curb, gutter and sidewalk damaged as a result of current work being completed per the City Livermore Standard Details.

Pedestrian access must be maintained at all times, including if necessary, escorting pedestrians through the work area.

Traffic control shall be completed per the current California MUTCD Standards and any additional requirements deemed necessary by the City Engineer.

All trench work and small excavations in the street shall be completed per City Std Detail G-1.

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The following conditions must be complied with in order to issue the permit.

1. **Indemnity and Defense:** To the fullest extent permitted by law, Permittee shall indemnify, defend with counsel acceptable to City, and hold harmless City and its officers, elected officials, employees, agents and volunteers from and against any and all liability, loss, damage, claims, expenses, and costs (including without limitation, attorney's fees and costs and fees of litigation) (collectively, "Liability") of every nature arising out of or in connection with the encroachment permit, except such Liability caused by the sole negligence or willful misconduct of City.

This obligation is independent of, and shall not in any way be limited by, the insurance obligations for the encroachment permit. The Permittee's obligation to defend and indemnify shall not be excused because of the Permittee's inability to evaluate Liability or because the Permittee evaluates Liability and determines that the Permittee is not liable to the claimant. The Permittee must respond within 30 days to the tender of any claim for defense and indemnity by the City. These obligations shall survive the completion or termination of the encroachment permit for all activities that arise out of or in connection with the encroachment permit.

2. **Insurance:** Permittee shall procure and maintain insurance during the term of encroachment permit in the amounts and under the terms set forth by the Risk Manager for the City of Livermore against claims that may arise from or in connection with the encroachment permit. For encroachments permits for a term greater than one year, upon reasonable notice from the City the Permittee shall comply with any changes in the amounts and terms of insurance as may be required from time-to-time by City's Risk Manager.

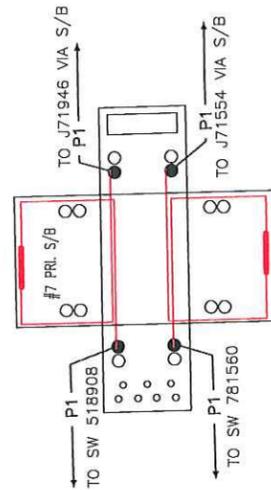
LEGEND

- P1 - INSTALL (3) - 1100A EPR-CONC-ENCAP-LLDPE (25kV) CABLE IN (1) - 6" (MINIMUM SCHEDULE 40) PRIMARY DUCT BY PG&E
- 4' 6" X 8' 6" X 6' 0" IVT PRIMARY SPLICE BOX BY PG&E
- INSTALL SS SWITCH-INTERRUPTER-SWITCH IN 4' 6" X 8' 6" X 6' 0" IVT PRIMARY ENCLOSURE BY PG&E

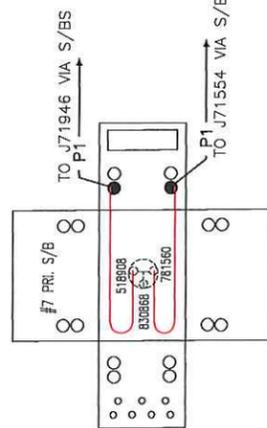
CABLE & PULLING DATA

DWG CABLE LOCATION	LOCATION OF PULL	FROM	NO OF CABLES	CABLE TYPE	ESTIMATED TENSION (LBS)	MAX ALLOWABLE TENSION (LBS)	ACTUAL TENSION (LBS)	GALLONS LUBE	FRONT END PACKS	RUN LENGTH W/ TAILS (FT)
10A	518908	LDC 9	3	1100A EPR	4059	10,000		4	7	789
10B	781560	LDC 9	3	1100A EPR	4059	10,000		4	7	789

LOCATION 9
4' 6" X 8' 6" X 6' 0" IVT
PRIMARY ENCLOSURE

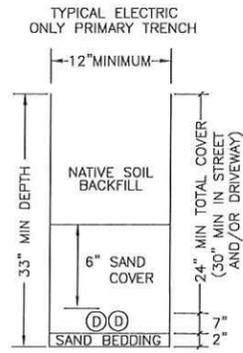


LOCATION 11
4' 6" X 8' 6" X 6' 0" IVT
PRIMARY ENCLOSURE

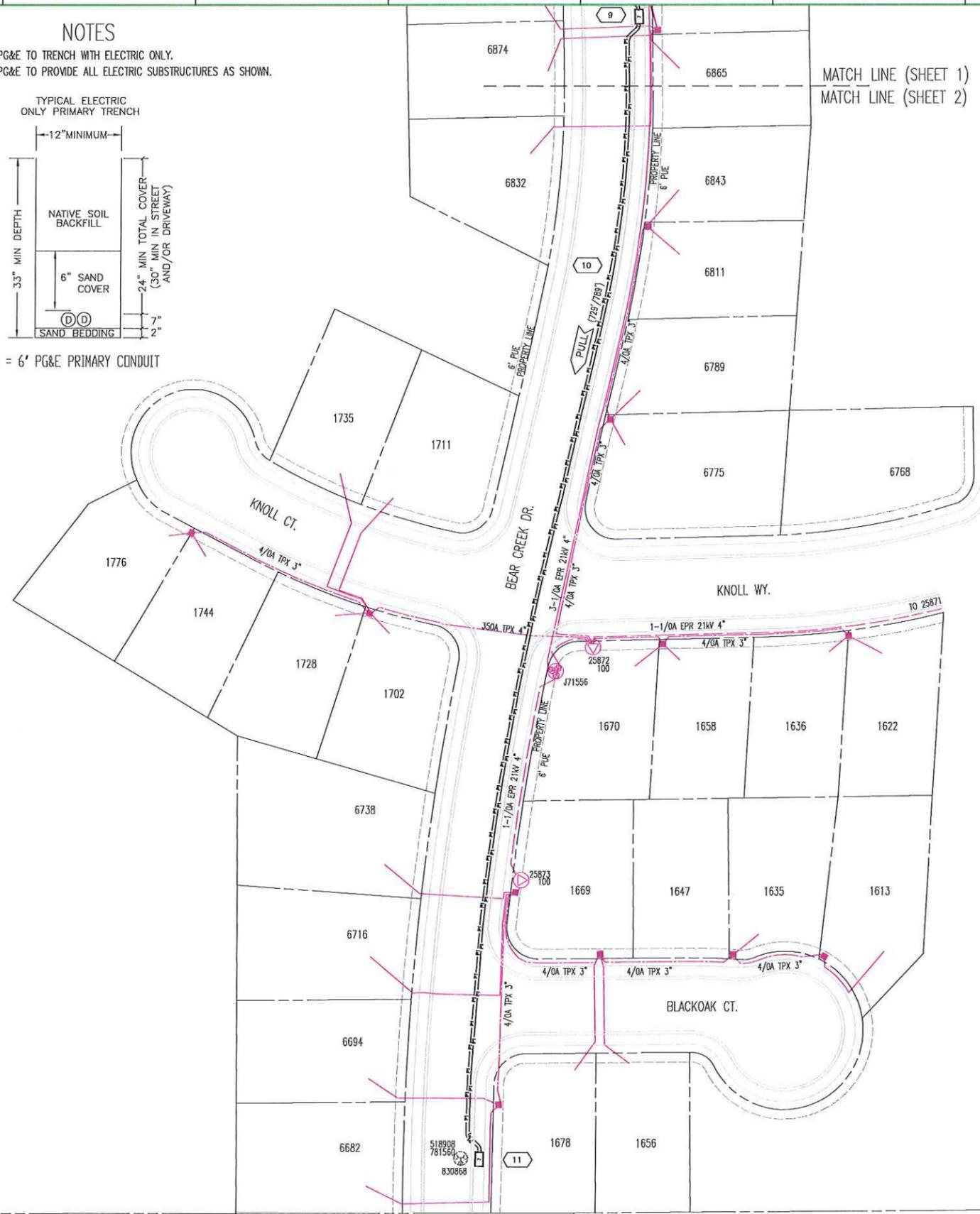


NOTES

- PG&E TO TRENCH WITH ELECTRIC ONLY.
- PG&E TO PROVIDE ALL ELECTRIC SUBSTRUCTURES AS SHOWN.



D = 6" PG&E PRIMARY CONDUIT



MATCH LINE (SHEET 1)
MATCH LINE (SHEET 2)

REQUIRED PERMITS

<input type="checkbox"/> COUNTY	<input checked="" type="checkbox"/> CITY
<input checked="" type="checkbox"/> TRAFFIC CONTROL	

SAFETY
SAFETY PLEDGE
I ALWAYS PUT SAFETY FIRST.
I LOOK FOR AND ACT TO RESOLVE UNSAFE SITUATIONS.
I HELP AND ENCOURAGE OTHERS TO ACT SAFELY.

EST: AKASH SANDHU 408-781-3609
ADE: ERICH GUZMAR 650-596-7282
SUPV: WILFRED ALBOVAS 415-695-3537
REP: ANNIE TRAN 650-8301524
PLN: CHRIS CABANILLAS 925-874-6366
NOTIF: 1122108100 #P#: N/A
SCALE: 1"=40' DATE: 6/30/2022
PM: 35322935 SHEET: 2 OF 2 (REV. 0)

ENGINEERING AND PLANNING DEPT.
275 INDUSTRIAL RD.
SAN CARLOS, CA 94070

NO ENVIRONMENTAL ISSUES
NO GAS CONFLICTING

REVISIONS

NO.	DATE	DESCRIPTION

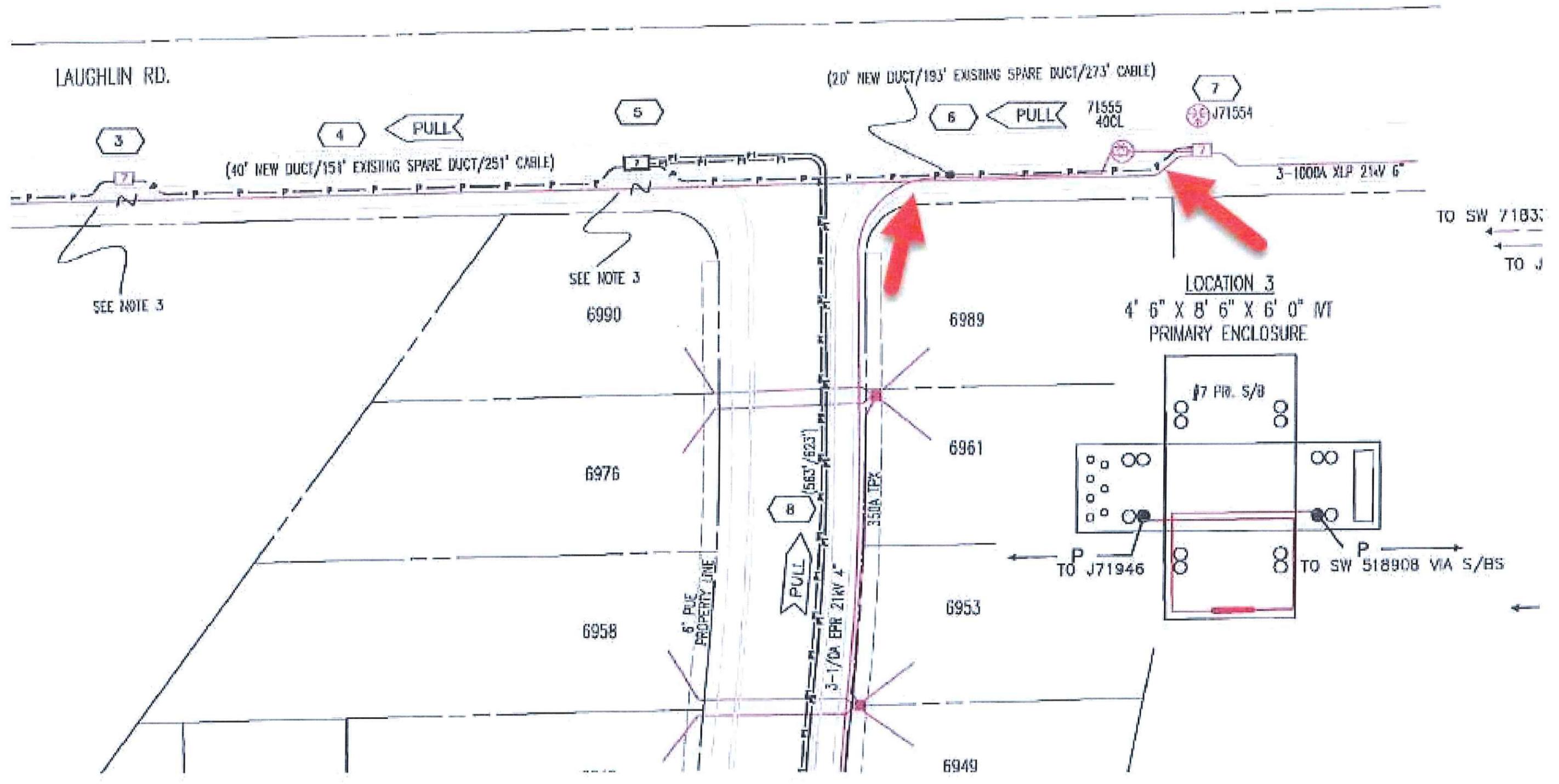
PRIMARY VOLTAGE: 21 KV VOLTAGE AREA: 1
LATITUDE: 37.729284 LONGITUDE: -121.711384
SOURCE SIDE DEVICE: SW 71329
SUB & CIRCUIT: CADETANO 2109
DSSN SAG: N/A RAPTOR ZONE: YES
LOADING AREA LIGHT ARRESTER DIST: 3
CORROSION AREA: NON INSULATION DIST: B
EQUIP. INST: N/A FIRE AREA: UA-TIER 1

CONSTRUCTION SKETCH
EXTEND MAINLINE PRIMARY & INSTALL SW-INT-SW
BEAR CREEK DR. & LAUGHLIN RD.
LIVERMORE, CA

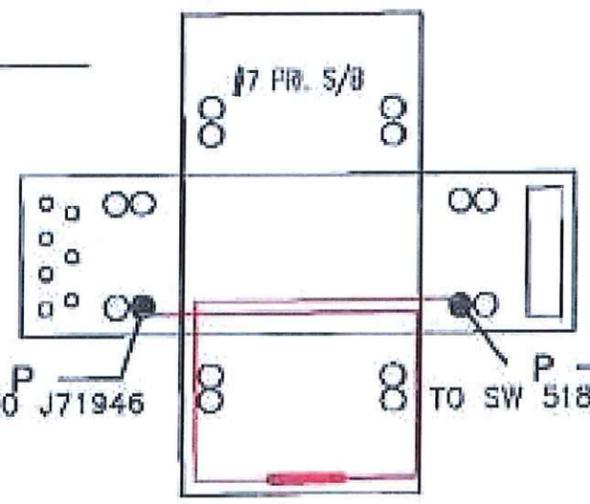
PACIFIC GAS & ELECTRIC COMPANY

1 SAND BEDDING 2"
 D = 6' PG&E PRIMARY CONDUIT

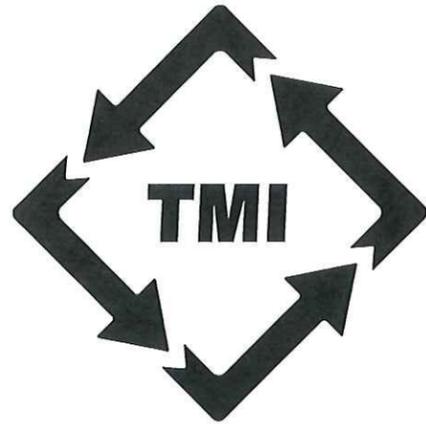
88	LOC 5	LOC 9	3	1100A EPR	2976	10,000
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LOCATION 3
 4' 6" X 8' 6" X 6' 0" MT
 PRIMARY ENCLOSURE



TO SW 71833
 TO J



**TRAFFIC
MANAGEMENT**
I N C O R P O R A T E D

PG&E

GENERAL NOTES

- 1 THIS PLAN CONFORMS TO THE CA MUTCD, LATEST EDITION.
- 2 THE LOCATION OF THE SIGNS SHOWN ON THE PLAN ARE GUIDELINES AND THE ACTUAL LOCATION WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF THE STREET INTERSECTIONS, AND 85TH PERCENTILE SPEED.
- 3 NOTIFY LOCAL LAW ENFORCEMENT, FIRE, AND AMBULANCE COMPANIES WITHIN 72 HOURS BEFORE CONSTRUCTION BEGINS. KEEP OPEN ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
- 4 CONTINUAL MONITORING AND MAINTENANCE OF THE TRAFFIC CONTROL ZONE WILL BE IMPLEMENTED FOR THE PURPOSE OF MAINTAINING EMERGENCY ACCESS, AND TO PROVIDE ACCOMMODATIONS FOR PEDESTRIANS, BICYCLE TRAFFIC AND THE DISABLED.
- 5 PROPERLY TRAINED TRAFFIC CONTROLLERS, PROPER DEVICES, & PROPER USE OF THE DEVICES ARE REQUIRED AT ALL TIMES.
- 6 ALL SIGNS IMPLEMENTED WILL ONLY BE VIEWABLE WHEN IN USE, OTHERWISE ALL WARNING DEVICES ARE TO BE TAKEN DOWN OR COVERED.
- 7 NOTHING WILL BE ALLOWED IN BUFFER/TRANSITION AREA(S) AT ANY TIME.
- 8 ALL CONFLICTING MARKINGS ARE TO BE REMOVED FOR PROJECTS THAT LAST THREE (3) CONTINUOUS DAYS OR LONGER.
- 9 ALL SIGNAGE AND CHANNELIZING DEVICES MUST BE RETROREFLECTIVE OR ILLUMINATED DURING THE NIGHT. MINIMUM VISIBILITY SHALL BE 1000 FEET.
- 10 ONLY ONE SIDEWALK WILL BE CLOSED AT A TIME. PEDESTRIAN AND DISABLED ACCESS TO BE MAINTAINED PER CA MUTCD STANDARDS.
- 11 CONTACT UNDERGROUND SERVICE ALERT (USA) 48 HOURS PRIOR TO ANY EXCAVATION FOR POTENTIAL UTILITY CONFLICTS.



VARIOUS LOCATIONS

RECOMMENDED ADVANCE WARNING SIGN SPACING TABLE

(CA MUTCD 2014, REV 4 EDITION, TABLE 6C-1. SEE TABLE FOR ADDITIONAL DETAILS)

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT)		
	A	B	C
URBAN - 25 MPH OR LESS	100	100	100
URBAN - 30 MPH TO 40 MPH	250	250	250
URBAN - 45 MPH AND ABOVE	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

LEGEND

- | | |
|-----------------------------|------------------------------|
| - WORK AREA | - TYPE-III BARRICADE W/ SIGN |
| - HIGH LEVEL WARNING DEVICE | - TYPE-II BARRICADE W/ SIGN |
| - FLASHING ARROW SIGN (FAS) | - ADA BARRICADE W/ SIGN |
| - FLAGGER | - CHANNELIZATION DEVICE |
| - EXISTING SIGN | - SIGN |

ADDRESS

BEAR CREEK DR & LAUGHLIN
RD,
LIVERMORE

WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD

CONTACT: DANIELLA DELLEDERA

CONTACT: (925) 270-6009

JOB NUMBER: 333681

PLAN#: 72910

PM#: 35322935

COVER SHEET

SIZE: B

SCALE: N.T.S.

DATE: 7/12/2022

PREPARED BY: SR

TRAFFIC MANAGEMENT, INC.

California · Great Lakes · New York

800.763.3999

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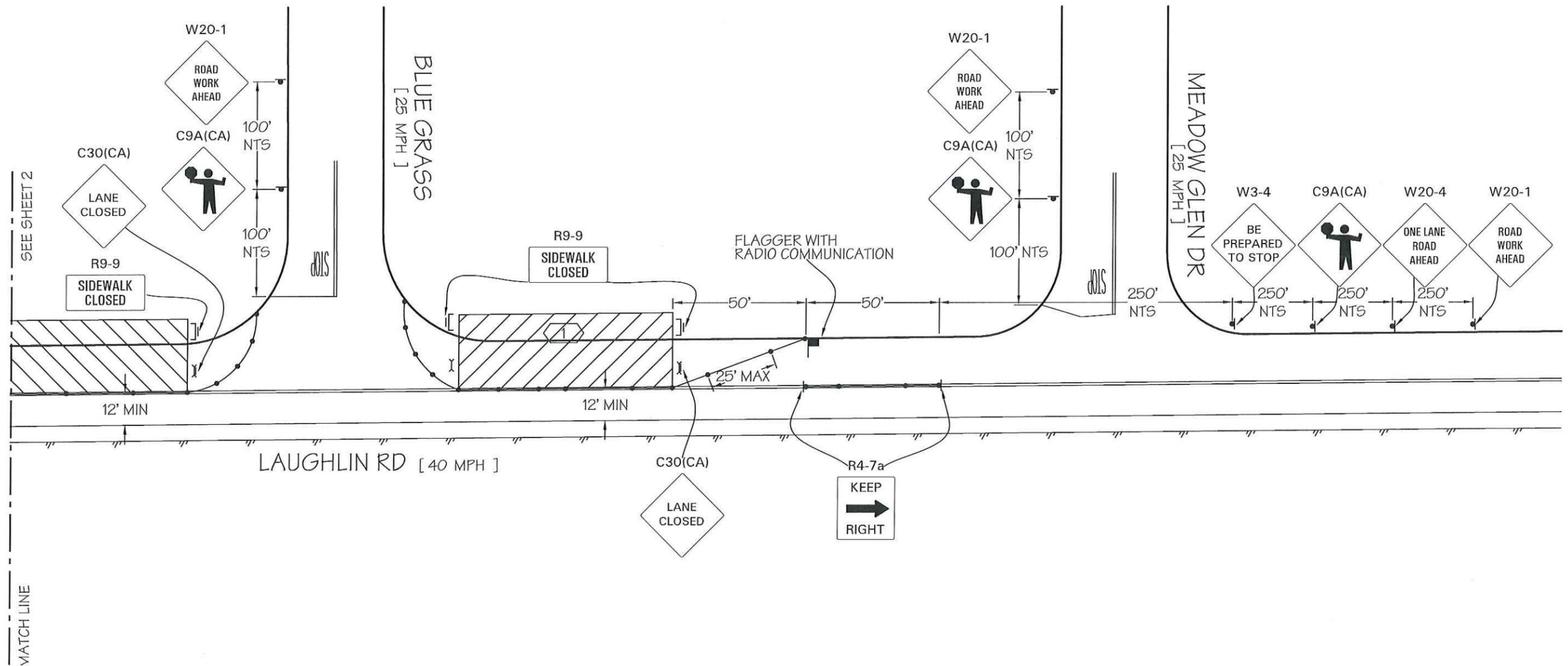
ALL DRIVEWAYS TO REMAIN OPEN UNLESS OTHERWISE INDICATED.

FLAGGERS TO ASSIST WITH PEDESTRIAN TRAFFIC.

POST TEMPORARY "NO PARKING" IN ALL AREAS AFFECTED BY THE WORK AREA 72 HRS PRIOR TO WORK. NOTIFY ALL AFFECTED BUSINESSES/RESIDENTS.

NO LANE CLOSURE WILL BE ALLOWED BETWEEN 6:00 AM AND 9:00 AM AND BETWEEN 3:30 PM AND 6:30 PM. AT OTHER TIMES, AT LEAST ONE LANE OF TRAFFIC SHALL BE KEPT OPEN TO THE GENERAL PUBLIC.

PHASE 1



LEGEND

- | | |
|-----------------------------|------------------------------|
| - WORK AREA | - TYPE-III BARRICADE W/ SIGN |
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LIVERMORE

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CONTACT: (925) 270-6009

JOB NUMBER: 333681

PLAN#: 72910

PM#: 35322935

SHEET 1 OF 11 SIZE: B

SCALE: 1"=40'

DATE: 7/12/2022

PREPARED BY: SR

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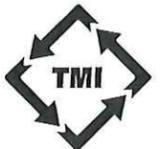
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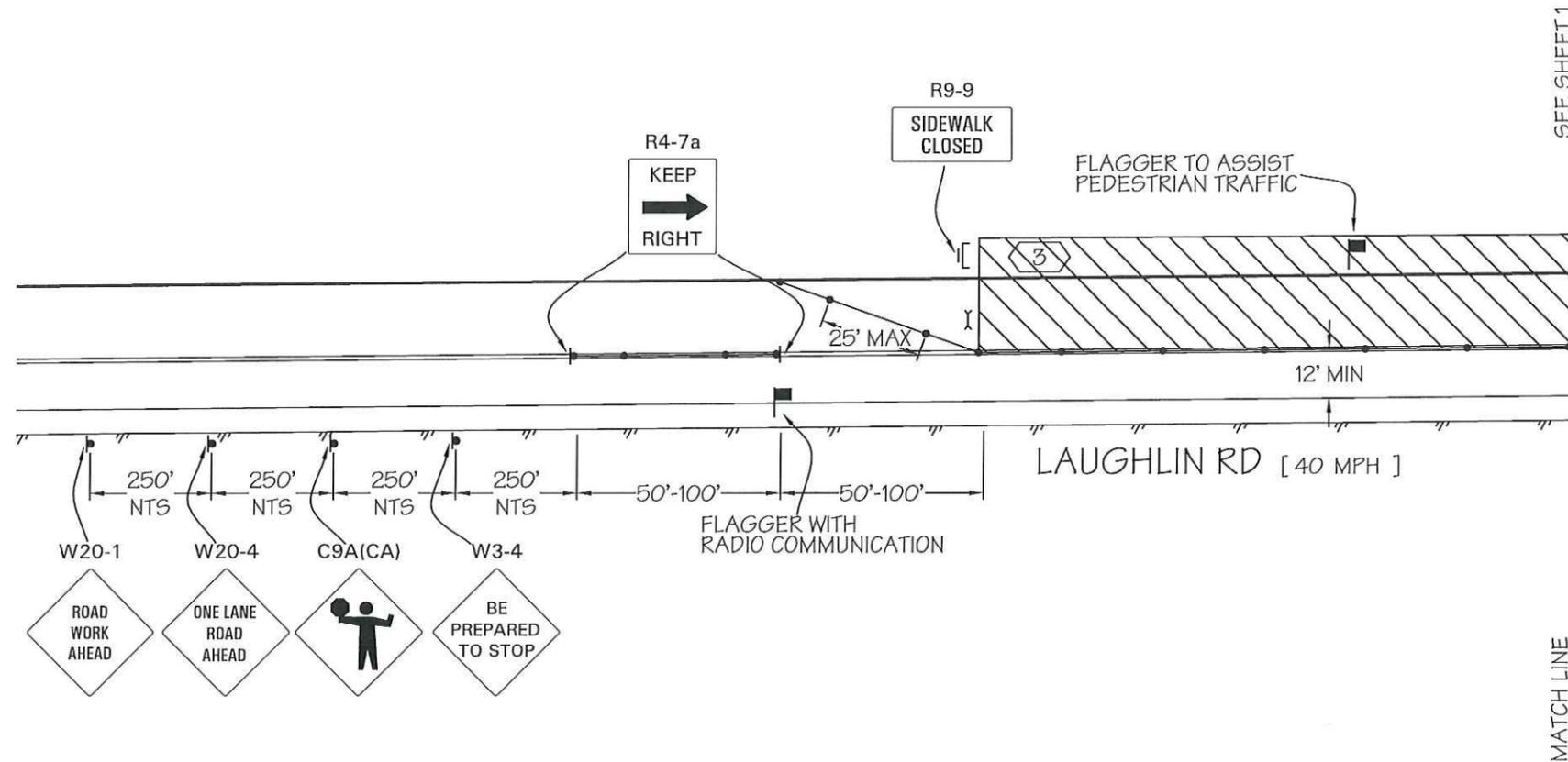
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| - FLAGGER | - CHANNELIZATION DEVICE |
| - EXISTING SIGN | - SIGN |

ADDRESS

BEAR CREEK DR & LAUGHLIN
RD,
LIVERMORE

WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD

CONTACT: DANIELLA DELLEDERA

CONTACT: (925) 270-6009

JOB NUMBER: 333681 PLAN#: 72910

PM#: 35322935

SHEET 2 OF 11 SIZE: B SCALE: 1"=40'

DATE: 7/12/2022

PREPARED BY: SR

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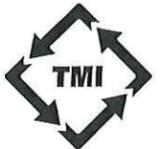
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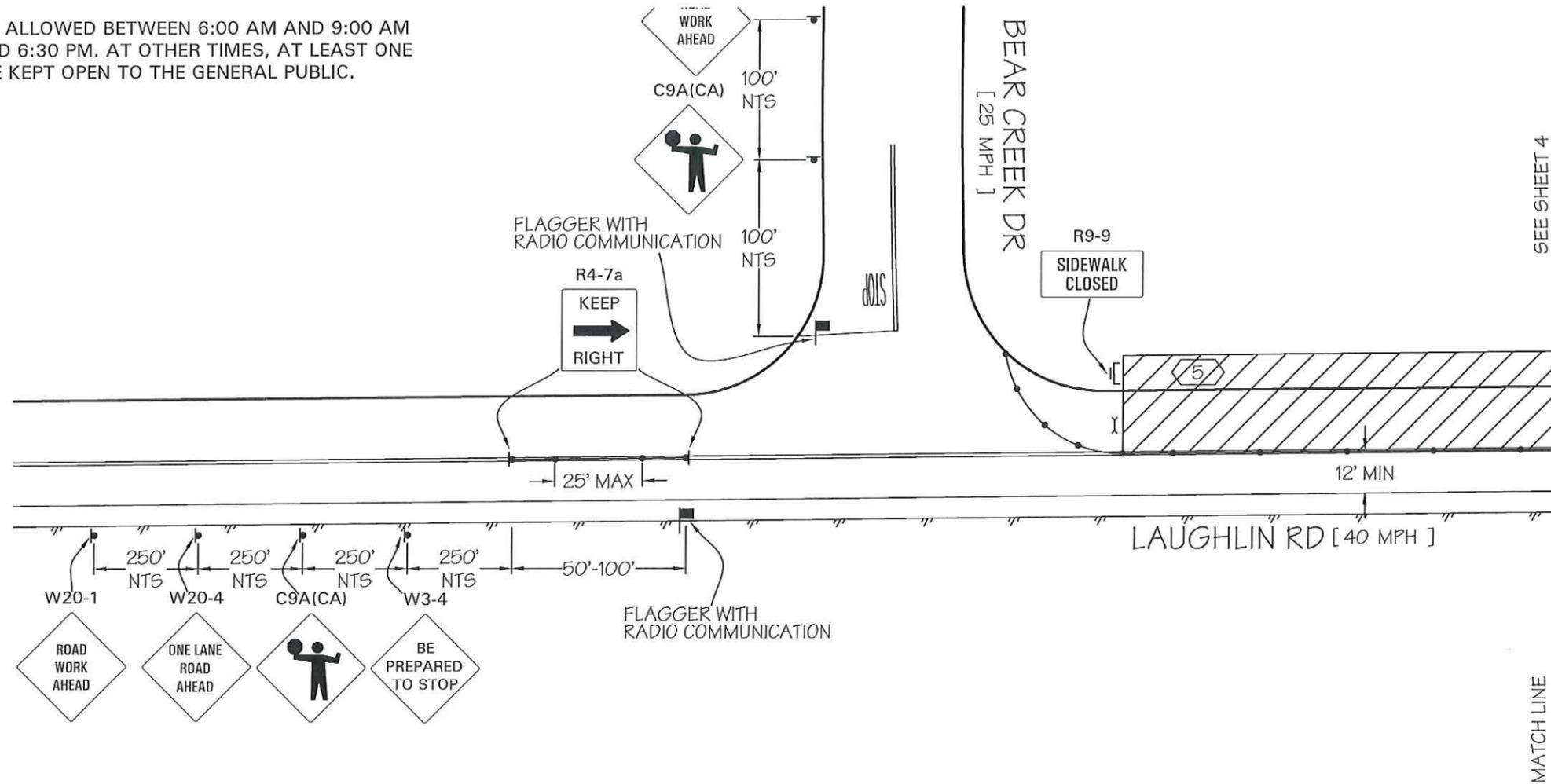
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PHASE 2



LEGEND		ADDRESS	WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD	
- WORK AREA	- TYPE-III BARRICADE W/ SIGN	BEAR CREEK DR & LAUGHLIN RD, LIVERMORE	CONTACT: DANIELLA DELLEDERA	
- HIGH LEVEL WARNING DEVICE	- TYPE-II BARRICADE W/ SIGN		CONTACT: (925) 270-6009	
- FLASHING ARROW SIGN (FAS)	- ADA BARRICADE W/ SIGN		JOB NUMBER: 333681	PLAN#: 72910
- FLAGGER	- CHANNELIZATION DEVICE		PM#: 35322935	
- EXISTING SIGN	- SIGN		SHEET 3 OF 11	SIZE: B SCALE: 1"=40'
			DATE: 7/12/2022	PREPARED BY: SR

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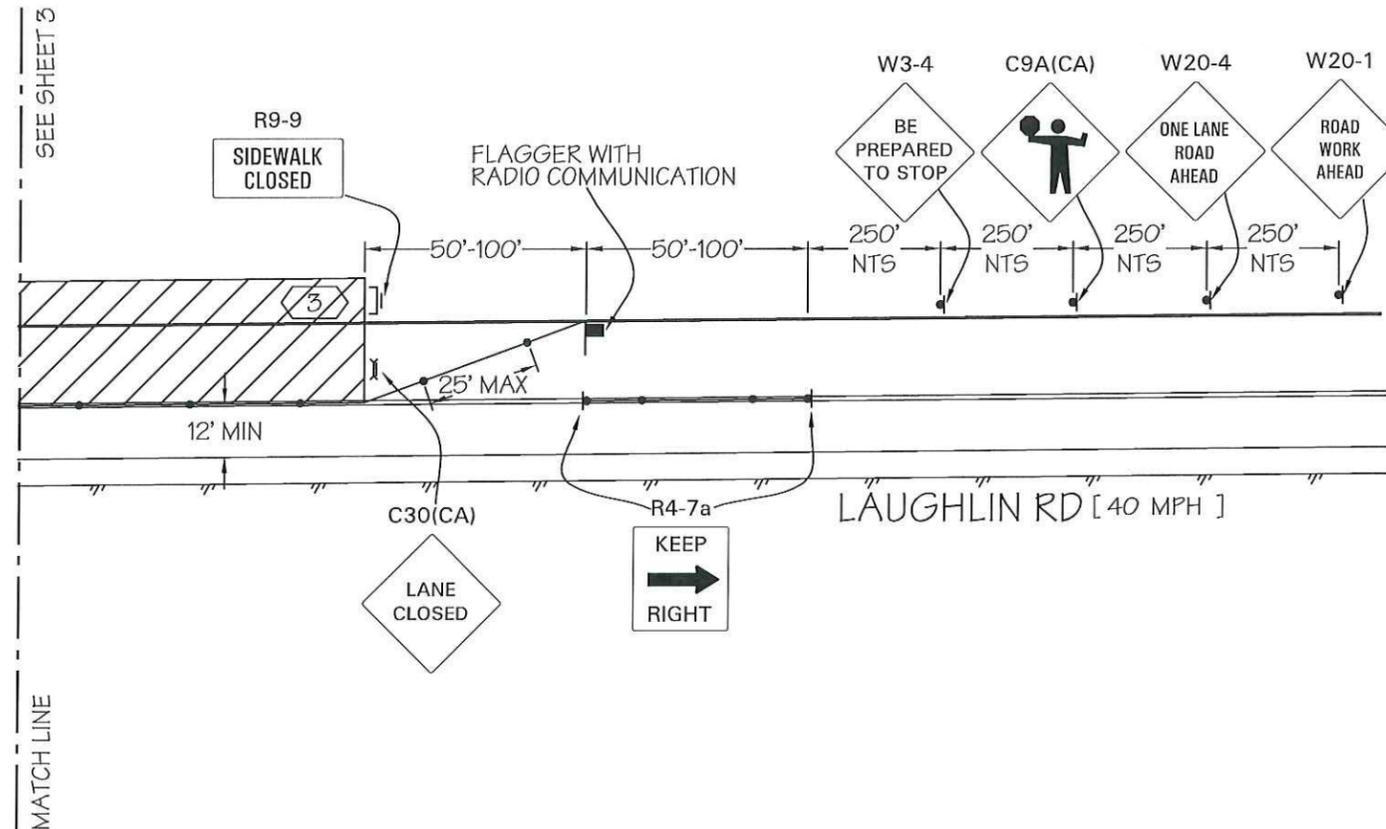
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- FLAGGER	- CHANNELIZATION DEVICE		PM#: 35322935	SHEET 4 OF 11 SIZE: B SCALE: 1"=40'
- EXISTING SIGN	- SIGN		DATE: 7/12/2022	PREPARED BY: SR

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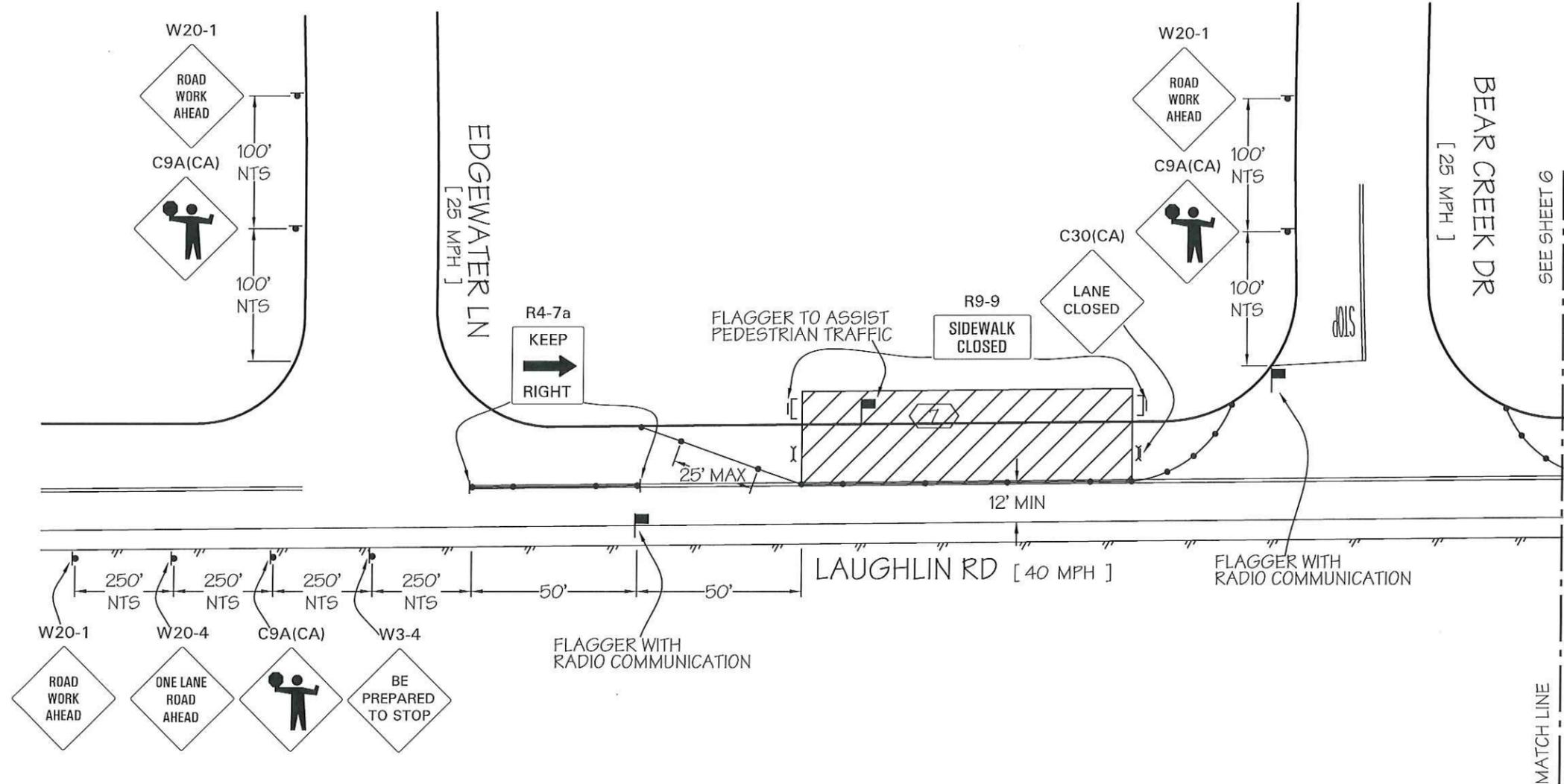
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PHASE 3



LEGEND

- | | |
|-----------------------------|------------------------------|
| - WORK AREA | - TYPE-III BARRICADE W/ SIGN |
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| - FLAGGER | - CHANNELIZATION DEVICE |
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ADDRESS

BEAR CREEK DR & LAUGHLIN RD,
LIVERMORE

WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD

CONTACT: DANIELLA DELLEDERA
 CONTACT: (925) 270-6009
 JOB NUMBER: 333681 PLAN#: 72910
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 SHEET 5 OF 11 SIZE: B SCALE: 1"=40'
 DATE: 7/12/2022 PREPARED BY: SR

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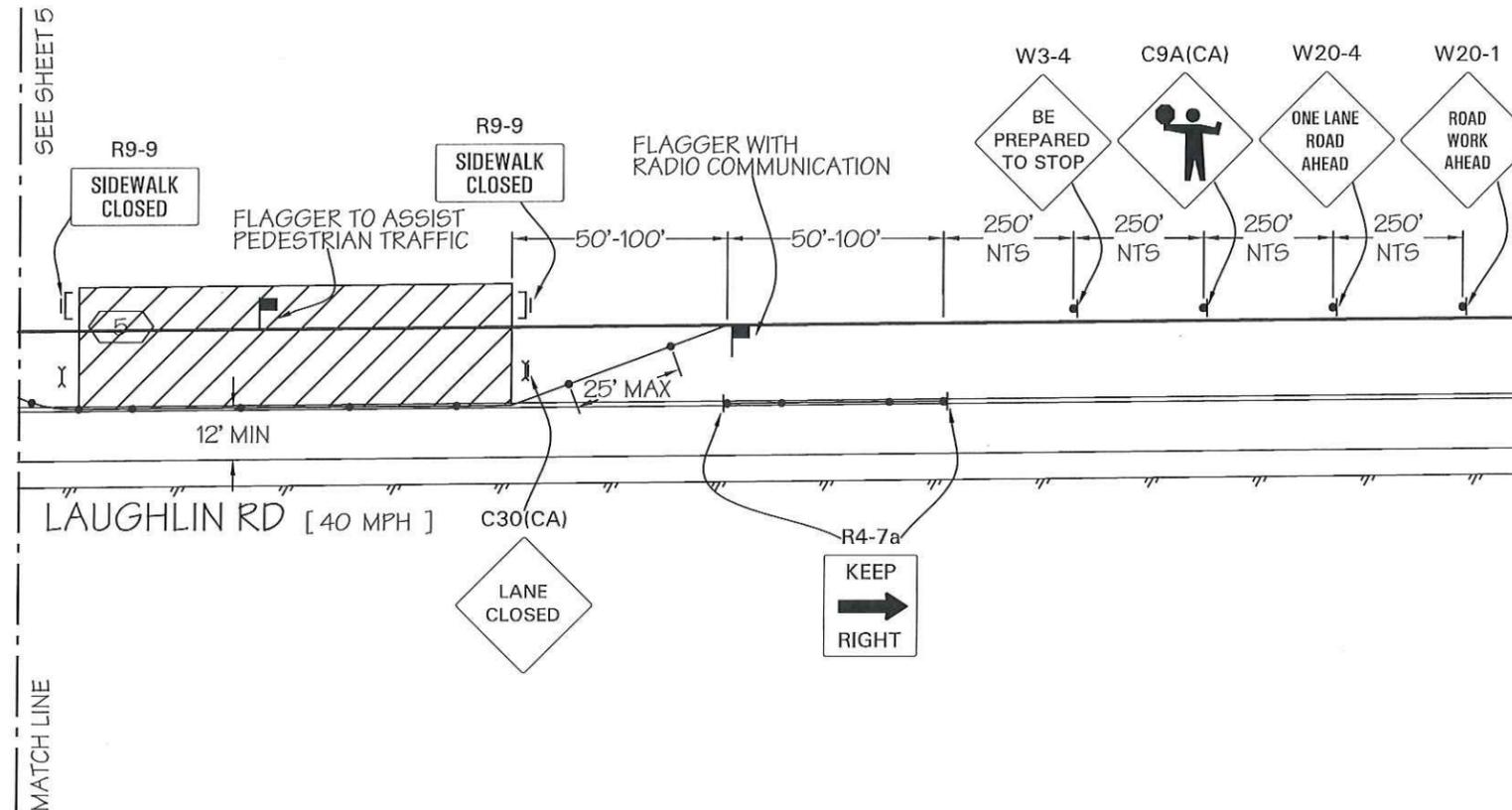
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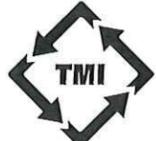
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PHASE 3



LEGEND		ADDRESS	WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD	
- WORK AREA	- TYPE-III BARRICADE W/ SIGN	BEAR CREEK DR & LAUGHLIN RD, LIVERMORE	CONTACT: DANIELLA DELLEDERA	
- HIGH LEVEL WARNING DEVICE	- TYPE-II BARRICADE W/ SIGN		CONTACT: (925) 270-6009	
- FLASHING ARROW SIGN (FAS)	- ADA BARRICADE W/ SIGN		JOB NUMBER: 333681	PLAN#: 72910
- FLAGGER	- CHANNELIZATION DEVICE		PM#: 35322935	
- EXISTING SIGN	- SIGN		SHEET 6 OF 11	SCALE: 1"=40'
			DATE: 7/12/2022	PREPARED BY: SR

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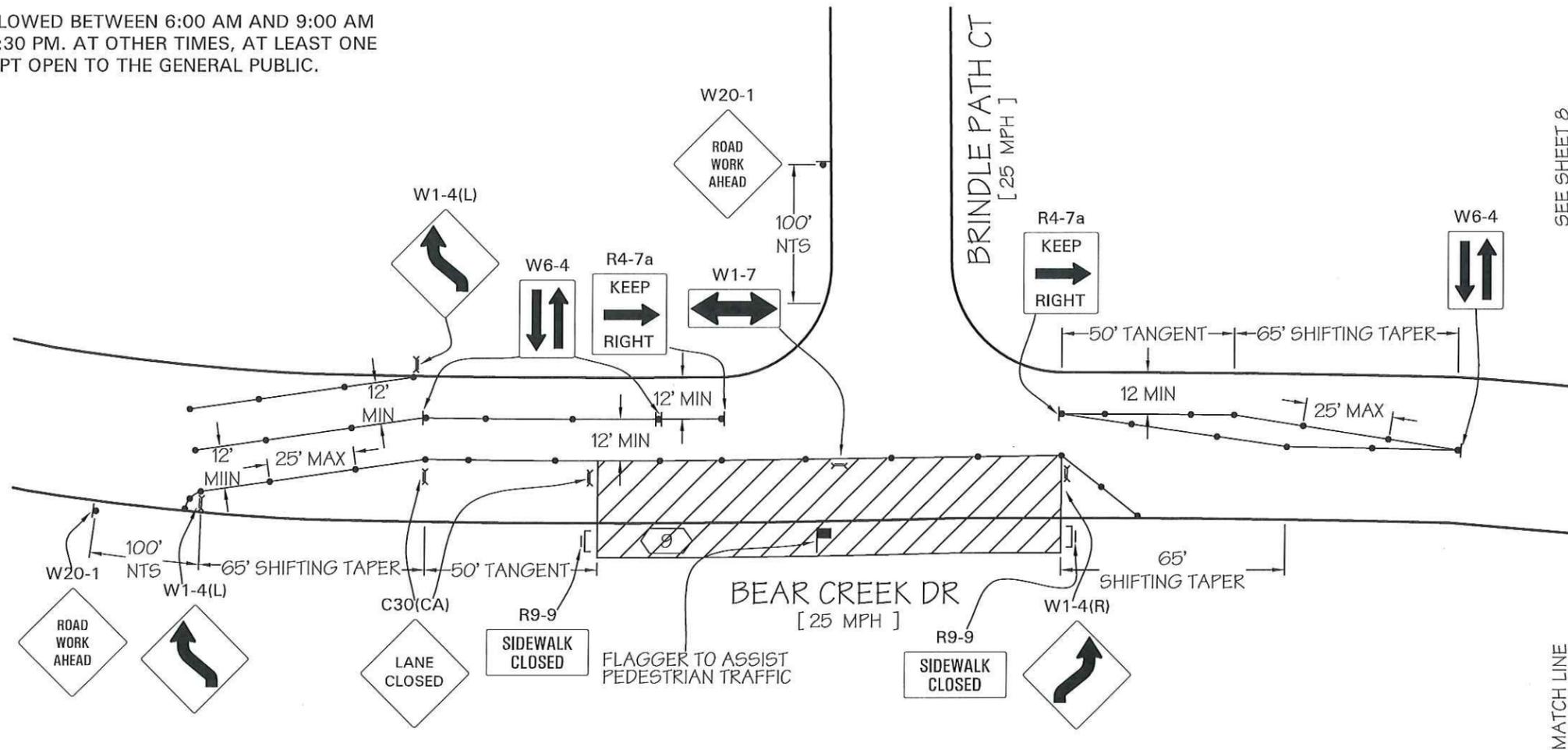
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PHASE 4



LEGEND

- | | |
|-----------------------------|------------------------------|
| - WORK AREA | - TYPE-III BARRICADE W/ SIGN |
| - HIGH LEVEL WARNING DEVICE | - TYPE-II BARRICADE W/ SIGN |
| - FLASHING ARROW SIGN (FAS) | - ADA BARRICADE W/ SIGN |
| - FLAGGER | - CHANNELIZATION DEVICE |
| - EXISTING SIGN | - SIGN |

ADDRESS

BEAR CREEK DR & LAUGHLIN RD,
LIVERMORE

WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD

CONTACT: DANIELLA DELLEDERA

CONTACT: (925) 270-6009

JOB NUMBER: 333681

PLAN#: 72910

PM#: 35322935

SHEET 7 OF 11 SIZE: B SCALE: 1"=40'

DATE: 7/12/2022

PREPARED BY: SR

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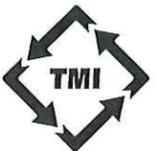
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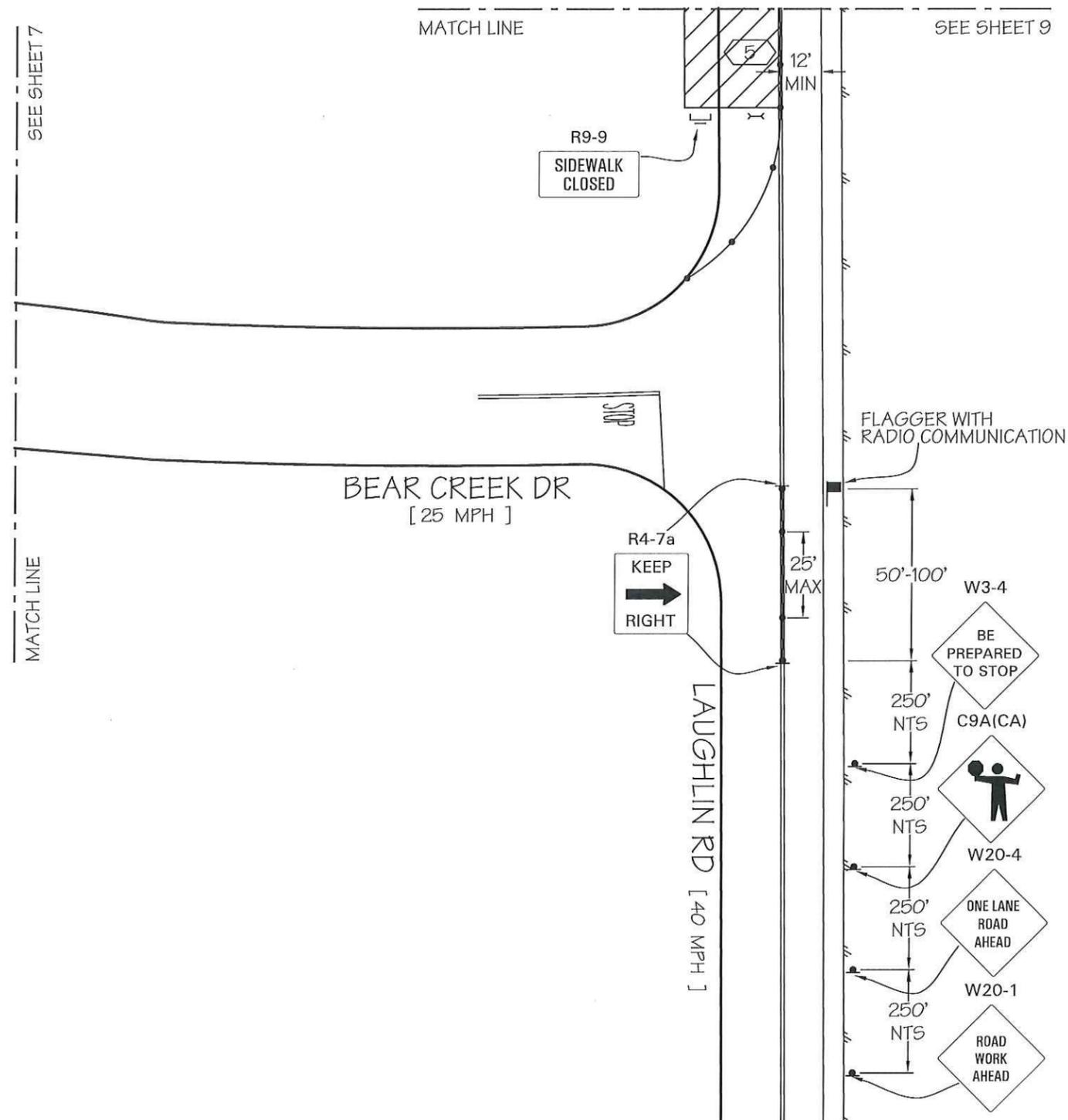
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PHASE 4



LEGEND

- WORK AREA
- HIGH LEVEL WARNING DEVICE
- FLASHING ARROW SIGN (FAS)
- FLAGGER
- EXISTING SIGN
- TYPE-III BARRICADE W/ SIGN
- TYPE-II BARRICADE W/ SIGN
- ADA BARRICADE W/ SIGN
- CHANNELIZATION DEVICE
- SIGN

ADDRESS

BEAR CREEK DR & LAUGHLIN RD,
LIVERMORE

WORK AREA TRAFFIC CONTROL: BEAR CREEK DR & LAUGHLIN RD

CONTACT: DANIELLA DELLEDERA
 CONTACT: (925) 270-6009
 JOB NUMBER: 333681 PLAN#: 72910
 PM#: 35322935
 SHEET 8 OF 11 SIZE: B SCALE: 1"=40'
 DATE: 7/12/2022 PREPARED BY: SR

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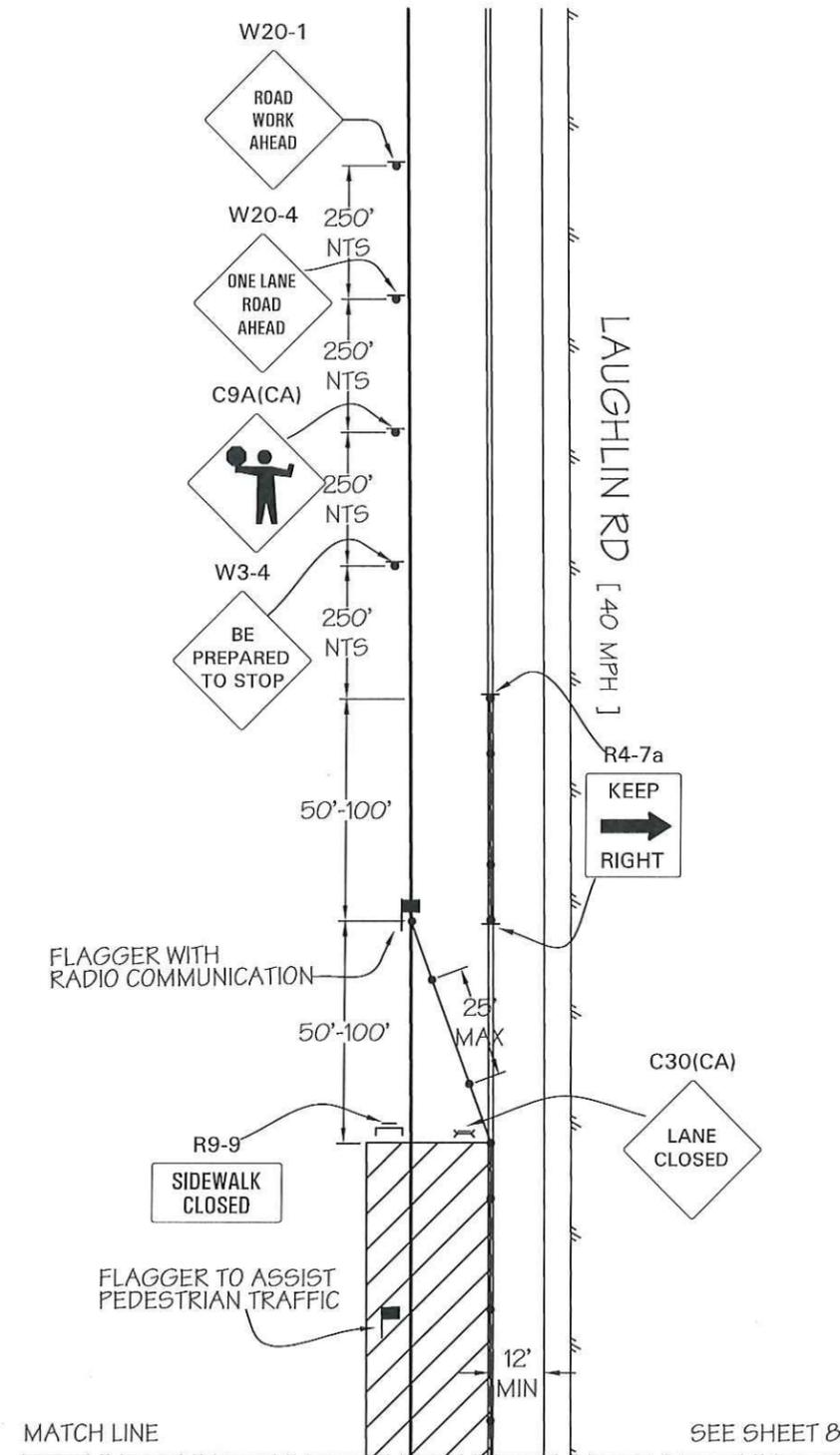
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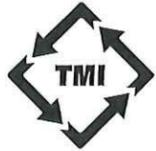
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PHASE 4



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- EXISTING SIGN	- SIGN		SHEET 9 OF 11	SIZE: B SCALE: 1"=40'
			DATE: 7/12/2022	PREPARED BY: SR
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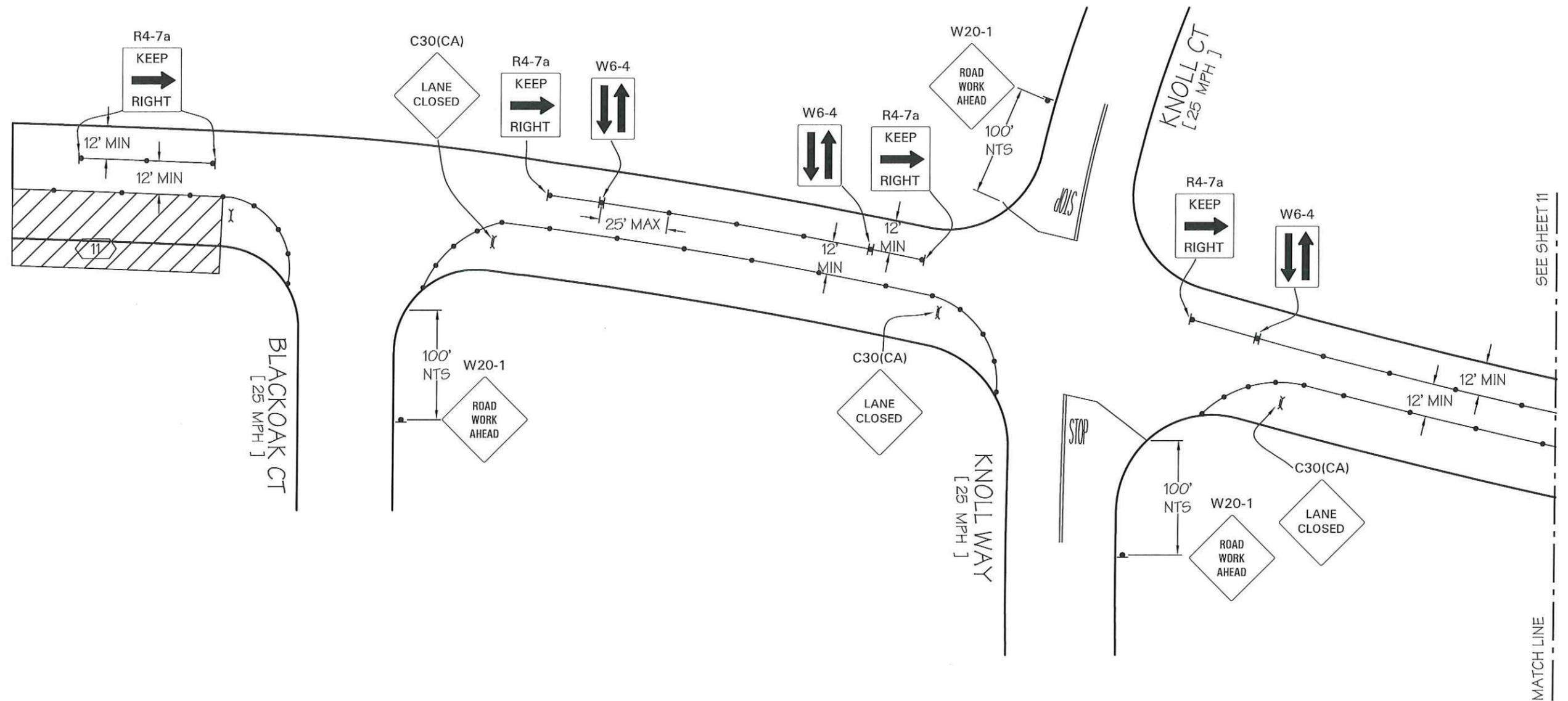
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PHASE 5



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- HIGH LEVEL WARNING DEVICE	- TYPE-II BARRICADE W/ SIGN		CONTACT: (925) 270-6009	
- FLASHING ARROW SIGN (FAS)	- ADA BARRICADE W/ SIGN		JOB NUMBER: 333681	PLAN#: 72910
- FLAGGER	- CHANNELIZATION DEVICE		PM#: 35322935	
- EXISTING SIGN	- SIGN		SHEET 10 OF 11	SCALE: 1"=40'
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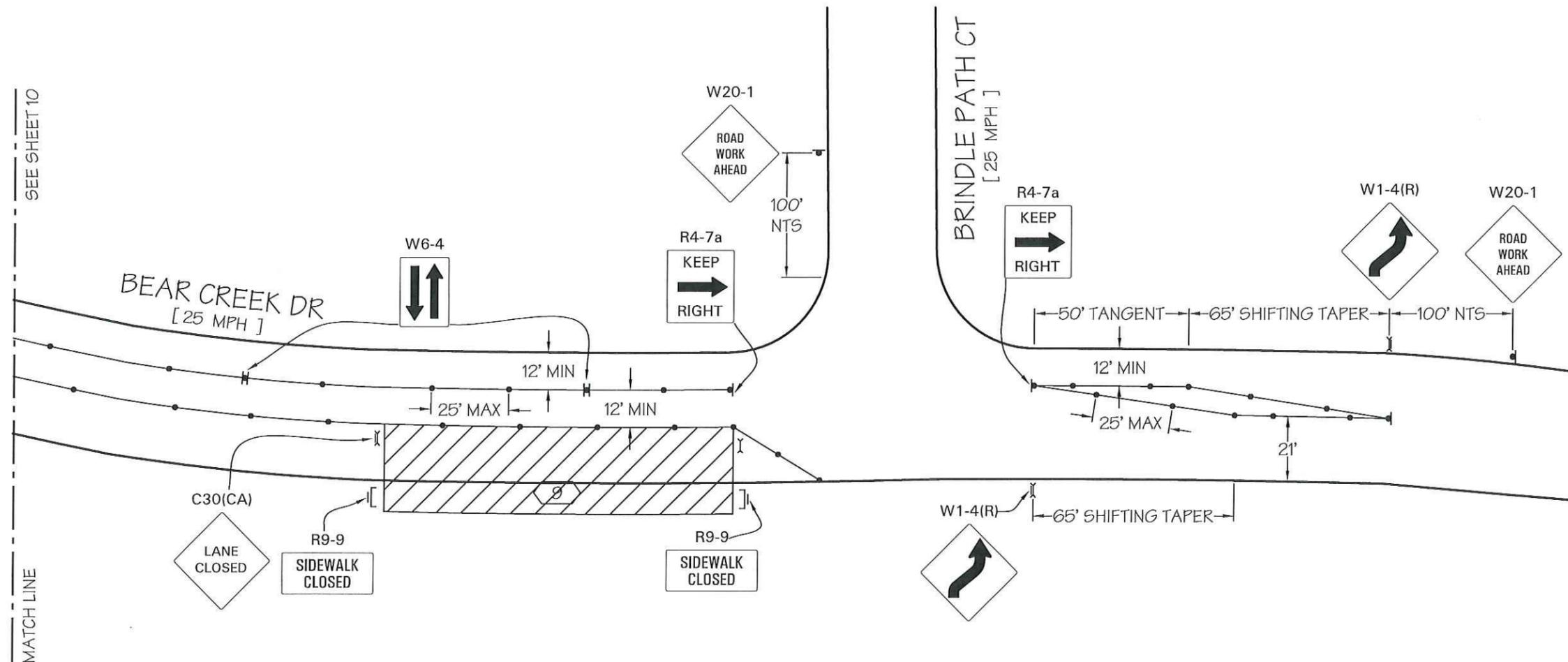
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- HIGH LEVEL WARNING DEVICE	- TYPE-II BARRICADE W/ SIGN		CONTACT: (925) 270-6009	
- FLASHING ARROW SIGN (FAS)	- ADA BARRICADE W/ SIGN		JOB NUMBER: 333681	PLAN#: 72910
- FLAGGER	- CHANNELIZATION DEVICE		PM#: 35322935	
- EXISTING SIGN	- SIGN		SHEET 11 OF 11	SIZE: B SCALE: 1"=40'
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