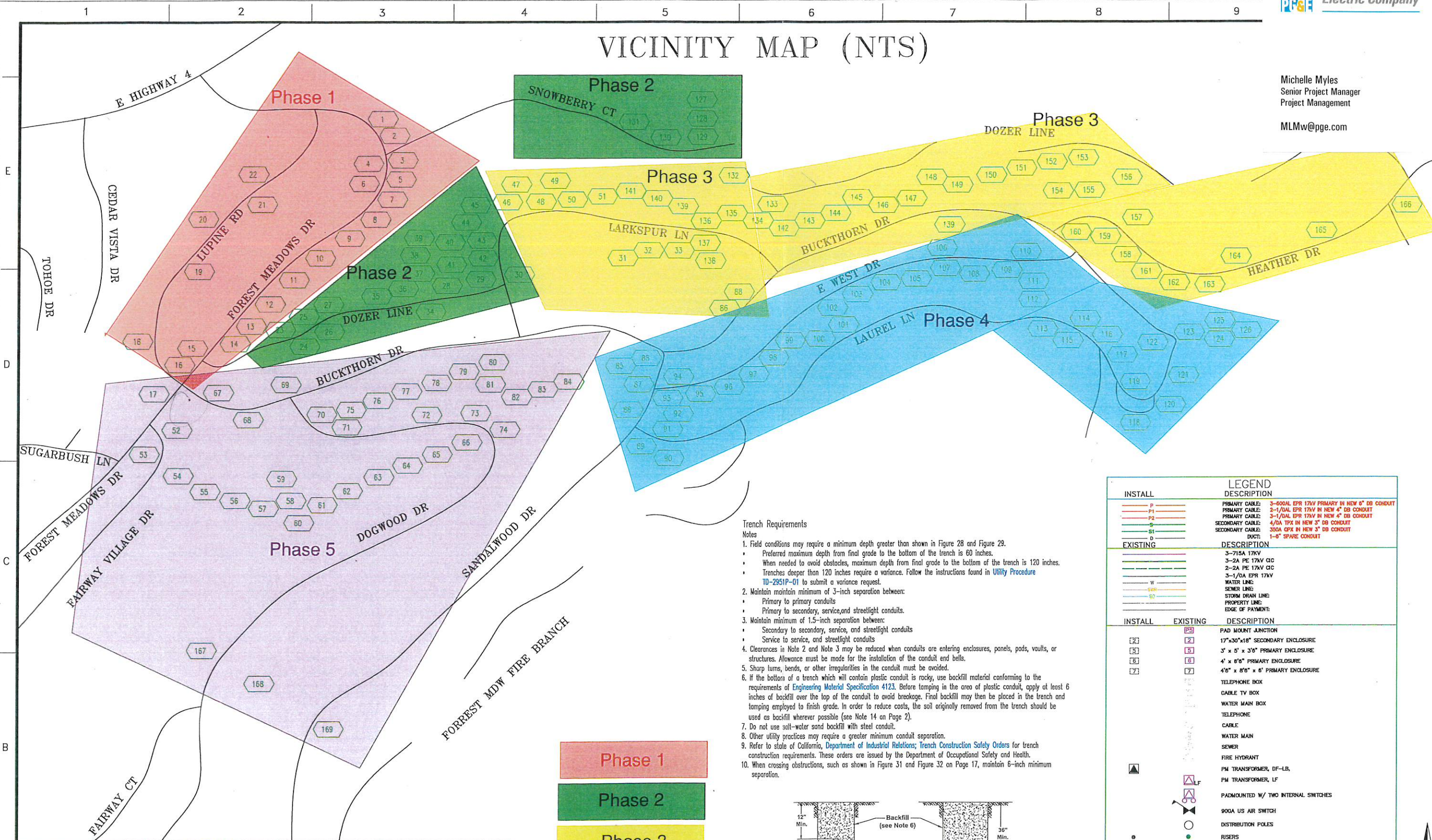


# VICINITY MAP (NTS)

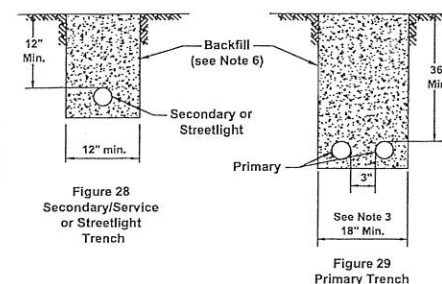
Michelle Myles  
Senior Project Manager  
Project Management  
MLMw@pge.com

209.576.6564  
Mobile: 209.484.0743



### Trench Requirements

- Notes
- Field conditions may require a minimum depth greater than shown in Figure 28 and Figure 29.
    - Preferred maximum depth from final grade to the bottom of the trench is 60 inches.
    - When needed to avoid obstacles, maximum depth from final grade to the bottom of the trench is 120 inches.
    - Trenches deeper than 120 inches require a variance. Follow the instructions found in *Utility Procedure TD-2951P-01* to submit a variance request.
  - Maintain minimum of 3-inch separation between:
    - Primary to primary conduits
    - Primary to secondary, service, and streetlight conduits.
  - Maintain minimum of 1.5-inch separation between:
    - Secondary to secondary, service, and streetlight conduits
    - Service to service, and streetlight conduits
  - Clearances in Note 2 and Note 3 may be reduced when conduits are entering enclosures, panels, pods, vaults, or structures. Allowance must be made for the installation of the conduit end bells.
  - Sharp turns, bends, or other irregularities in the conduit must be avoided.
  - If the bottom of a trench which will contain plastic conduit is rocky, use backfill material conforming to the requirements of *Engineering Material Specification 4123*. Before tamping in the area of plastic conduit, apply at least 6 inches of backfill over the top of the conduit to avoid breakage. Final backfill may then be placed in the trench and tamping employed to finish grade. In order to reduce costs, the soil originally removed from the trench should be used as backfill wherever possible (see Note 14 on Page 2).
  - Do not use salt-water sand backfill with steel conduit.
  - Other utility practices may require a greater minimum conduit separation.
  - Refer to state of California, *Department of Industrial Relations; Trench Construction Safety Orders* for trench construction requirements. These orders are issued by the Department of Occupational Safety and Health.
  - When crossing obstructions, such as shown in Figure 31 and Figure 32 on Page 17, maintain 6-inch minimum separation.



**Phase 1**

**Phase 2**

**Phase 3**

**Phase 4**

**Phase 5**

WORK TO BE PERFORMED UNDER THE COUNTY OF CALAVERAS UTILITY ENCROACHMENT PERMIT. CONTACT PUBLIC WORKS @ 209-754-6402 48 HOURS PRIOR TO CONSTRUCTION.

**CONSTRUCTION NOTES:**  
- TCP & FLAGGING REQUIRED FOR POLE REPLACEMENTS

**SAFETY PLEDGE**

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

LOCATION: ALL

PROJECT CONDITIONS STAMP

TYPE OF WORK

DATE

BY

IN CHARGE

DATE

BY

IN CHARGE

INSTALL	EXISTING	DESCRIPTION
— P —	— P —	PRIMARY CABLE: 3-00AL EPR 17KV PRIMARY IN NEW 6" DB CONDUIT
— P1 —	— P1 —	PRIMARY CABLE: 3-1/0AL EPR 17KV IN NEW 4" DB CONDUIT
— P2 —	— P2 —	PRIMARY CABLE: 3-1/0AL EPR 17KV IN NEW 4" DB CONDUIT
— S —	— S —	SECONDARY CABLE: 4/0A TPX IN NEW 3" DB CONDUIT
— S1 —	— S1 —	SECONDARY CABLE: 350A CPX IN NEW 3" DB CONDUIT
— D —	— D —	DUCT: 1-6" SPARE CONDUIT
— W —	— W —	3-715A 17KV
— SWR —	— SWR —	3-2A PE 17KV GC
— SD —	— SD —	2-2A PE 17KV GC
— W —	— W —	3-1/0A EPR 17KV
— SWR —	— SWR —	SEWER LINE
— SD —	— SD —	STORM DRAIN LINE
— P —	— P —	PROPERTY LINE
— E —	— E —	EDGE OF PAYMENT
[2]	[2]	PAD MOUNT JUNCTION
[3]	[3]	17"x30"x18" SECONDARY ENCLOSURE
[4]	[4]	3' x 5' x 3'6" PRIMARY ENCLOSURE
[5]	[5]	4' x 6'6" PRIMARY ENCLOSURE
[6]	[6]	4'6" x 8'6" x 6' PRIMARY ENCLOSURE
[7]	[7]	TELEPHONE BOX
[8]	[8]	CABLE TV BOX
[9]	[9]	WATER MAIN BOX
[10]	[10]	TELEPHONE
[11]	[11]	CABLE
[12]	[12]	WATER MAIN
[13]	[13]	SEWER
[14]	[14]	FIRE HYDRANT
[15]	[15]	PM TRANSFORMER, DF-LB,
[16]	[16]	PM TRANSFORMER, LF
[17]	[17]	PADMOUNTED W/ TWO INTERNAL SWITCHES
[18]	[18]	900A US AIR SWITCH
[19]	[19]	DISTRIBUTION POLES
[20]	[20]	RISERS
[21]	[21]	600A LOAD BREAK ELBOW
[22]	[22]	200A LOAD BREAK ELBOW
[23]	[23]	200A DEAD BREAK ELBOW
[24]	[24]	SUBSURFACE SWITCH, 3-WAY, 3-WAY SWITCHED
[25]	[25]	SUBSURFACE SWITCH, 3-WAY, 2-WAY SWITCHED
[26]	[26]	PMI-4R
[27]	[27]	PMI-9

ENGINEERING AND PLANNING DEPT.  
1850 GATEWAY BLVD.  
CONCORD, CA 94520

Call before you dig.  
800-487-3333

REVISIONS

NO.	DATE	DESCRIPTION
0	09/09/18	PRELIMINARY
1	11/13/18	ADD RED LINES
2	02/08/19	ADD RED LINES
3	03/06/19	ADD WALK RED LINES

PROACTIVE UG CABLE REPLACEMENT  
FOREST MEADOWS - STANISLAUS - 1701  
PROPOSED CONSTRUCTION MAP  
FOREST MEADOWS, CA  
PACIFIC GAS & ELECTRIC COMPANY



0 INCH