COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.0. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1300747**
Date Issued: 03/19/2013
Exp. Date: 07/15/2013
Project No: PWP730052
Quad: NE

UE/CR/PM NO:30957102

ENCROACHMENT PERMIT

To: PACIFIC GAS & ELECTRIC -CONCORD
1850 GATEWAY BLVD., 3RD FLOOR
CONCORD, CA 94521

Encroachment Type:

Bell Hole			

Location:
E/S OF WHITE LN. N/O HWY 26 AT VARIOUS LOCATIONS

In compliance with your request of **03/19/2013** , permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD****See Attached Sketches****

FORMS:			
	SS/WW, R-29	Trench Cutting	Policy

Est. Permit Fee: $1,430.00

THOMAS M. GAU, Director
Department of Public Works

By: Scott Cooper
Permit Section

WHITE	-Permitee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 3/7/13

To: San Joaquin County
Department of Public Works

PG&E / Kristy Aldrich
(Applicant Name)

1850 Gateway Blvd 3rd Floor
(Mailing Address)

Concord, Ca. 94521
(City, State, Zip Code)

925-270-2782
(Area Code - Telephone Number)

OFFICE USE ONLY			
JOB #	730052-20	REF #	
APN		CR #	
EXP. DATE	7/15/13		
VALID	4/1/13 TO 7/15/13		DRIVEWAYS:
STREET	WHITE LN.		*
AREA	STOCKTON QUAD	N6	*
TYPE	BELL HOLES		*
FORMS	SS/WW, R-29, Trench Cutting Policy		
NOTES			

Sketch (Detailed plans may be submitted)

Provided

1030, 1048, 1520, 1540, 1580, 1584, 1640, 848, 922, 948 White Lane

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the _____ side of _____ approximately _____ feet/mile _____ of _____, _____, by performing the following work (description of work):

Excavate 4'x4'x3' bell hole to replace existing copper gas service to residence

Rm# 30957102

Work will commence on or about 4/1/13 for approximately 90 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Kristy Aldrich — Permit Coordinator — 3/7/13
Signature of Applicant - Title — Date

E:\PUB-SV\WWMASTER\PS\ENCROACHMENT PERMIT APPLICATION.DOC (9/1/08)

Scott Cooper

From: Aldrich, Kristy <KLAF@pge.com>
Sent: Thursday, March 14, 2013 1:34 PM
To: Scott Cooper
Subject: FW: County of San Joaquin

All work is on the East side of White Lane

Kristy Aldrich
Permit Coordinator
Energy Experts International
Under Contract With:
Pacific Gas & Electric Company
Copper Service Program
1850 Gateway Blvd. 3rd Floor
Concord, Ca. 94521
Phone: 925-270-2752
Mobile: 925-324-6488

From: Christopher Cunliffe [mailto:ccunliffe@arbinc.com]
Sent: Thursday, March 14, 2013 1:33 PM
To: Aldrich, Kristy
Subject: RE: County of San Joaquin

They are all on the east side

CHRIS CUNLIFFE
PROJECT MANAGER
ARB INC.
(415) 725 - 4948 (MOBILE)
(415) 206 -1015 X-454 (OFFICE DIRECT)
2121 OAKDALE AVENUE
SAN FRANCISCO, CA 94124

From: Aldrich, Kristy [mailto:KLAF@pge.com]
Sent: Thursday, March 14, 2013 1:18 PM
To: Christopher Cunliffe
Subject: County of San Joaquin

Chris,
I never heard back from you regarding the locations on White Lane in the County of San Joaquin. Is the work on the East side of the street or the West side of the street? Please confirm as soon as possible.

Thanks,

Kristy Aldrich
Permit Coordinator
Energy Experts International

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Agreement: Verbal ☐ Written ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Map Plat No. 3006-A1 Block 07 Address: 848 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27257 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / (EXISTING FACILITY) Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

OFF: Main ■ Service ☐ — 2" HP (Size & Pressure) PE ☐ SU. ■ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ — Casing Size — PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On EAST Side WHITE LANE In _____ Out 10'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On EAST Side WHITE LANE, 194' N/N/PL OF FREMONT ST.

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Aldyl-A ☐ CU ☐

Insert: Yes ☐ No ■ — Casing Size — Casing: PE ☐ PVC ☐ SU ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ PL ■ None ☐
Riser Valve: AY McDonald ☐ Mueller ☐

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"

Comm. Meter(s) No. ___ Size _____ Monitor Size / Type: _____ Orifice: _____

C/O Date 65' Ft. 1/2" CU In. Yr. Install 1949 Type: SU. ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■

Transfer From _____ Main On _____ Side _____ In _____ Out _____

Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
■ MANIFOLD 2MM
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___
** DATE COMPLETED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
_____ INSPECTOR

EFV Brand	Type
☐ Perfection	☐ Socket Fusion
☐ Other _____ (Specify)	☐ Permasert Ends

Flow Series – CTS (inches)
☐ 400 – 1/2" ☐ 800 – 1" ☐ 1800 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S 0-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

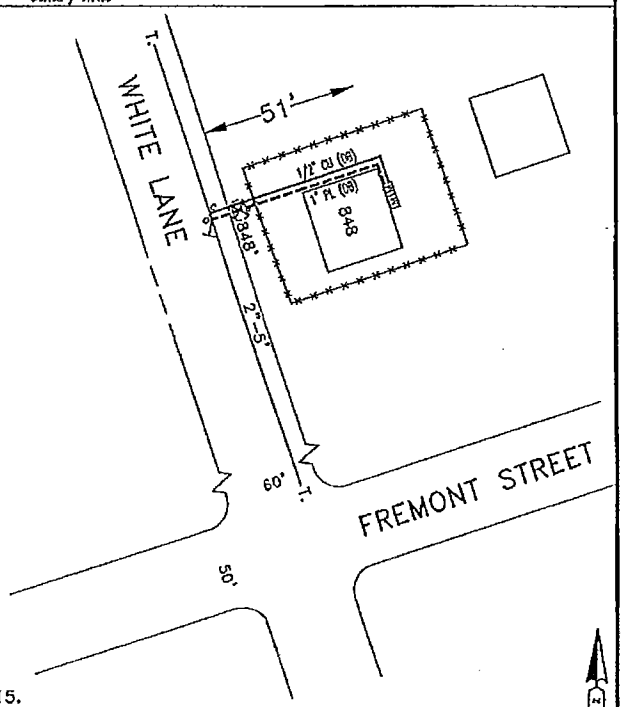
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date ____
☐ VALVE Reading ____ Date ____
☐ OTHER Reading ____ Date ____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ACE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on line below)
_____
_____ SIGNATURE, NAME, [CORPORATE ID], DATE



'NO LOAD INFO AT THIS TIME'
'NOT TO SCALE'

NOTES:
1. VENT REG. TO CLEAR OPEN WINDOW PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Agreement: Verbal ☐ Written ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Map Plat No. 3006-B2 Block 05 Address: 922 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 29814 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / (EXISTING FACILITY) Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ STL ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ (Casing Size) PVC ☐ PE ☐ STL ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On EAST Side WHITE LANE In _____ Out 9'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On EAST Side WHITE LANE, 647' N/N/PL OF FREMONT ST.

Size: 1" STL ☐ PE2406 ■ PE3408 ☐ Aldyl-A ☐ CU ☐

Insert: Yes ☐ No ■ (Casing Size) Casing: PE ☐ PVC ☐ STL ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ PL ☐ None ■
Riser Valve: AY McDonald ☐ Mueller ☐

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
■ MANIFOLD 2UU
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"

Comm. Meter(s) No. ___ Size _____ Monitor Size / Type: _____ Orifice: _____

C/O Data 80' Ft. 1/2" CU In. Yr. Install 1949 Type: STL ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■

Transfer From _____ Main On _____ Side _____ In _____ Out _____

Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT	INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐	BACKBONE	☐	☐
COMPLETION	■	☐	SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___
** DATE COMPLETED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand: ☐ Perfection ☐ Other _____ (Specify)
Type: ☐ Socket Fusion ☐ Permasert Ends
Flow Series – CIS (Inches): ☐ 400 – 1/2" ☐ 800 – 1" ☐ 1800 – 1" ☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S O-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

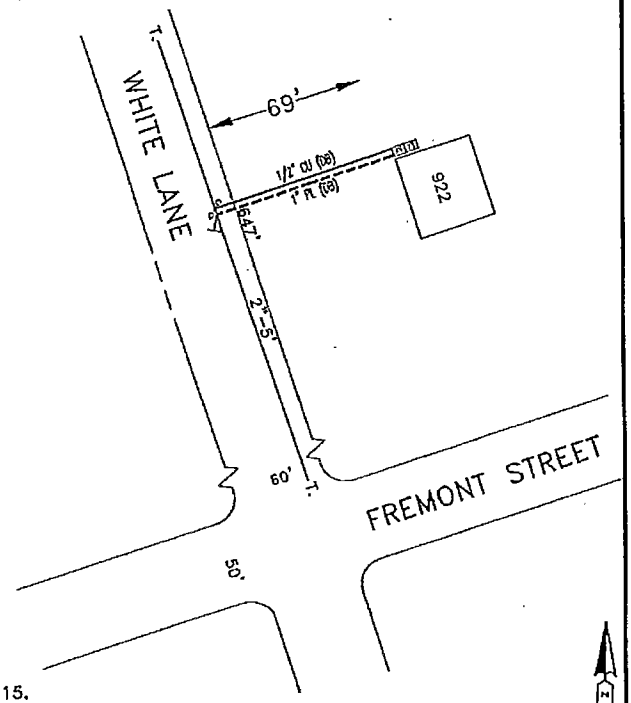
GALVANIC CP SYSTEMS:
☐ RISER Reading ___ Date ___
☐ VALVE Reading ___ Date ___
☐ OTHER Reading ___ Date ___
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ADS)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the back)
_____
BY: _____ SIGNATURE, NAME, (CORPORATE ID), DATE



'NO LOAD INFO AT THIS TIME'
'NOT TO SCALE'

NOTES:
1. VENT REG. TO CLEAR OPEN WINDOW PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Agreement: Verbal ☐ Written ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Map Plat No. 3006-B2 Block 05 Address: 948 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27258 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / (EXISTING FACILITY) Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ SU. ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ _____ (Casing Size) PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

On EAST Side WHITE LANE In _____ Out 10'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On EAST Side WHITE LANE, 738" N/N/PL OF FREMONT STREET

Size: 1" SU. ☐ PE2406 ■ PEJ408 ☐ Adyl-A ☐ CU ☐

Insert: Yes ☐ No ■ _____ (Casing Size) Casing: PE ☐ PVC ☐ SU. ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■ Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐ Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ Pl. ■ None ☐ Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
☐ MANIFOLD
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"

Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____

C/O Data 63' Ft. 1" CU In. Yr. Install 1949 Type: SU. ☐ Pl. ☐ CU ■ Reason: Leakage ☐ Other ■

Transfer From _____ Main On _____ Side _____ In _____ Out _____

Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

* DATE STUB INSTALLED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__
** DATE COMPLETED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand	Type
■ Perfection	☐ Socket Fusion
☐ Other _____ (Specify)	■ Permasert Ends

Flow Series – CTS (Inches)
☐ 400 – 1/2" ■ 800 – 1" ☐ 1800 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S D-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ Zn/C ☐

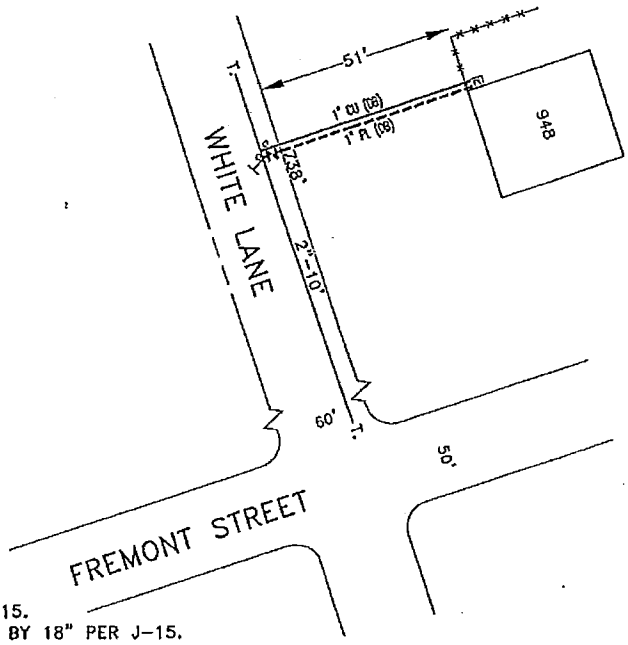
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date ____
☐ VALVE Reading ____ Date ____
☐ OTHER Reading ____ Date ____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ACE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the back)
BY: SIGNATURE, NAME (CORPORATE ID), DATE



NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. VENT REG. ABOVE HOUSE VENT PER J-15.
2. VENT REG. TO CLEAR WINDOW OPENING BY 18" PER J-15.
3. UTILIZE EXISTING METER LOCATION.
4. INSTALL EFV AS SHOWN ON LOW PRESSURE MAIN.
5. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Agreement: Verbal ☐ Written ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Map Plat No. 3006-B2 Block 05 Address: 1030 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27259 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / (EXISTING FACILITY) Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ SU. ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ (Casing Size) PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On EAST Side WHITE LANE In _____ Out 9'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On EAST Side WHITE LANE, 857' N/N/PL OF FREMONT STREET

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Addl-A ☐ CU ☐

Insert: Yes ☐ No ■ (Casing Size) Casing: PE ☐ PVC ☐ SU ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■ Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐ Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ PL ☐ None ■ Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE REF. NO. _____
☐ CURB METER
☐ MANIFOLD ____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"

Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____

C/O Data 63' Fd" CU,3/4 STL Yr. Install 1964 Type: SU. ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■

Transfer From _____ Main On _____ Side _____ In _____ Out _____

Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT	INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐	BACKBONE	☐	☐
COMPLETION	■	☐	SVC COMP	■	☐

WORK DONE: (Show corrections) to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total Ft.

Electric UG in area: YES ☐ NO ■
TP HP SHP (LP)
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__
** DATE COMPLETED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand	Type
■ Perfection	☐ Socket Fusion
☐ Other _____ (Specify)	■ Permosert Ends

Flow Series – CTS (Inches)
☐ 400 – 1/2" ■ 800 – 1" ☐ 1800 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S 0-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed ____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

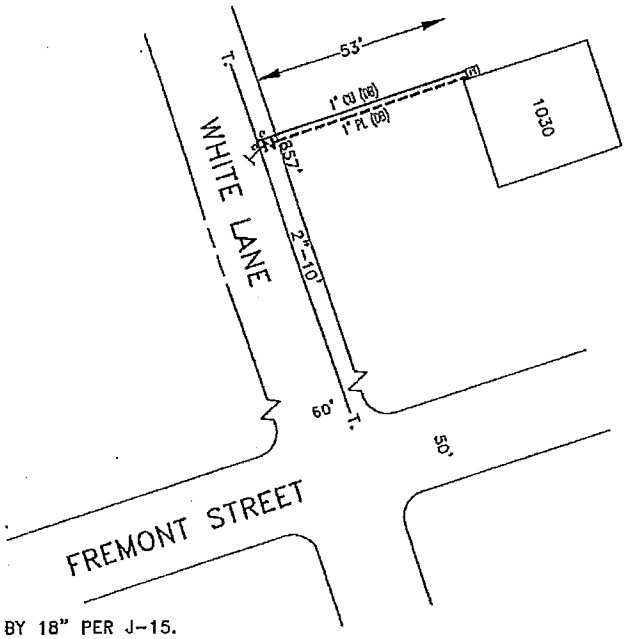
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (If project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the back)
_____
Ft. _____
SIGNATURE, NAME, (CORPORATE ID), DATE



NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. VENT REG. TO CLEAR WINDOW OPENING BY 18" PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN ON LOW PRESSURE MAIN.
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Agreement: Verbal ☐ Written ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Map Plat No. 3006-B2 Block 05 Address: 1048 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27260 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / EXISTING FACILITY Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

OFF: Main ■ Service ☐ — 2" HP (Size & Pressure) — PE ☐ SU. ■ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ — Casing Size — PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

On EAST Side WHITE LANE In _____ Out 10'

PROPOSED / EXISTING SERVICE LOCATION:
Service: On EAST Side WHITE LANE, 974' N/N/PL OF FREMONT STREET

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Aldyl-A ☐ CU ☐

Insert: Yes ☐ No ■ — Casing Size
Casing: PE ☐ PVC ☐ SU ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ Pl. ■ None ☐
Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
☐ MANIFOLD ____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"
Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____
C/O Data 60' FL 1" CU In. Yr. Install 1964 Type: SU. ☐ Pl. ☐ CU ■ Reason: Leakage ☐ Other ■
Transfer From _____ Main On _____ Side _____ In _____ Out _____
Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total Ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___
** DATE COMPLETED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand: ■ Perfection ☐ Other _____ (Specify)
Type: ☐ Socket Fusion ■ Permasert Ends
Flow Series – CTS (Inches): ☐ 400 – 1/2" ■ 800 – 1" ☐ 1800 – 1" ☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

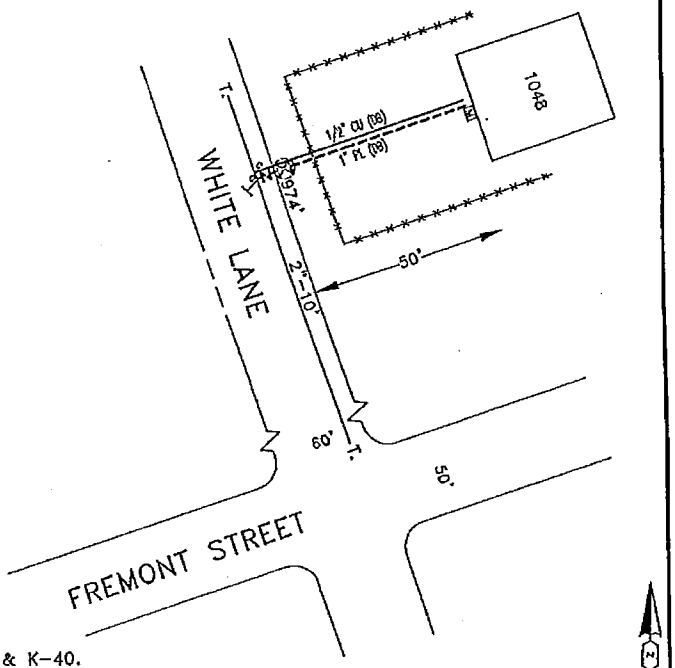
CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S D-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10
TERM. AT MAIN: ■ Bonded ☐ Wrapped around Tee ☐ Nico-pressed wire at main ☐ N/A
TERM. AT: RISER ■ SVC ☐
☐ Bonded ■ Strapped to Riser ☐ Terminated at curb valve ☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on line below)
_____
BY: _____ SIGNATURE, NAME (CORPORATE ID), DATE



NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. INSTALL CURB VALVE PER GS&S, J-15 & K-40.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Agreement: Verbal ☐ Written ☐

Map Plat No. 3006-A1 Block 07 Address: 1520 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27269 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / EXISTING FACILITY Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ SU. ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ (Casing Size) PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On EAST Side WHITE LANE In _____ Out 5'

(PROPOSED) / EXISTING SERVICE LOCATION:
Service: On EAST Side WHITE LANE, 2672' N/N/PL OF FREMONT STREET

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Adyl-A ☐ CU ☐

Insert: Yes ☐ No ■ (Casing Size) Casing: PE ☐ PVC ☐ SU ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ PL ☐ None ■
Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
☐ MANIFOLD ____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"
Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____
C/O Data 63' FL 1/2" CU In. Yr. Install 1949 Type: Stl. ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■
Transfer From _____ Main On _____ Side _____ In _____ Out _____
Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__
** DATE COMPLETED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand: ■ Perfection ☐ Other _____ (Specify)
Type: ☐ Socket Fusion ■ Permasert Ends
Flow Series – CTS (Inches): ☐ 400 – 1/2" ■ 800 – 1" ☐ 1600 – 1" ☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S 0-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

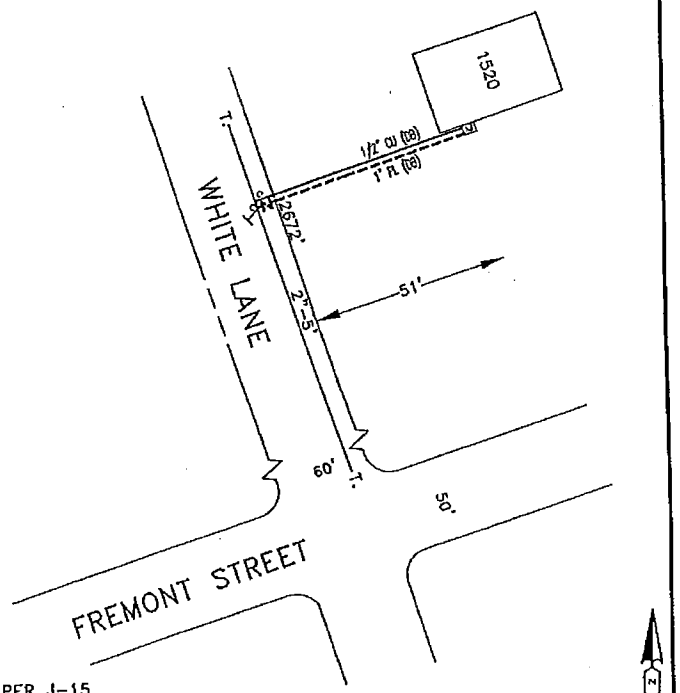
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (If project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the below)
_____
BY: _____ SIGNATURE, NAME, (CORPORATE ID), DATE



NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. VENT REG. TO CLEAR WINDOW BY 18" PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Agreement: Verbal ☐ Written ☐

Map Plat No. 3006-A1 Block 07 Address: 1540 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 70134 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / (EXISTING FACILITY) Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ SU. ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ _____ (Casing Size) PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

On EAST Side WHITE LANE In _____ Out 5'

(PROPOSED) / EXISTING SERVICE LOCATION

Service: On EAST Side WHITE LANE, 2235' S/O C/L RR

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Aldyl-A ☐ CU ☐

Insert: Yes ☐ No ■ _____ (Casing Size) Casing: PE ☐ PVC ☐ SU. ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■ Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐ Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ PL ☐ None ■ Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
☐ MANIFOLD ____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"

Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____

C/O Date ' Ft. 1/2" CU In. Yr. Install 1949 Type: SU. ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■

Transfer From _____ Main On _____ Side _____ In _____ Out _____

Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__
** DATE COMPLETED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand	Type
■ Perfection	☐ Socket Fusion
☐ Other _____ (Specify)	■ Permosert Ends

Flow Series – CTS (Inches)
☐ 400 – 1/2" ■ 800 – 1" ☐ 1800 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S 0-16) Existing: ☐ New: ☐ No. Installed ____
☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

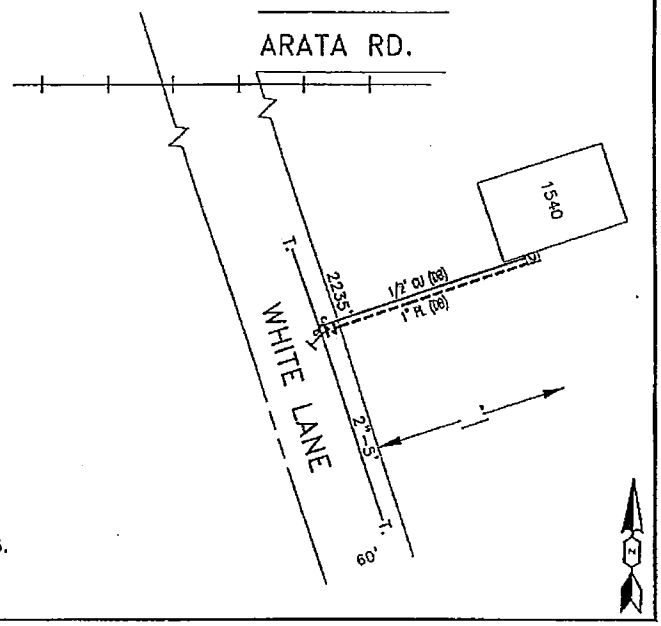
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Stropped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the back)
BY: _____ SIGNATURE, NAME, (CORPORATE ID), DATE



'NO LOAD INFO AT THIS TIME'
'NOT TO SCALE'

NOTES:
1. VENT REG. ABOVE HOUSE VENT PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Agreement: Verbal ☐ Written ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Map Plat No. 3006-A1 Block 07 Address: 1580 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27268 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / (EXISTING FACILITY) Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

OFF: Main ■ Service ☐ — 2" HP (Size & Pressure) — PE ☐ CI ☐ SU. ■ CU ☐

Inserted in Casing: Yes ☐ No ■ — (Casing Size) — PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

On EAST Side WHITE LANE In _____ Out 5'

(PROPOSED) / EXISTING SERVICE LOCATION:
Service: On EAST Side WHITE LANE, 2875' N/N/PL OF FREMONT ST.

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Aldyl-A ☐ CU ☐

Insert: Yes ☐ No ■ (Casing Size) Casing: PE ☐ PVC ☐ SU ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ PL ☐ None ■
Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
☐ MANIFOLD ____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"
Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____
C/O Data 55' Ft. 1/2" CU In. Yr. Install 1949 Type: SU. ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■
Transfer From _____ Main On _____ Side _____ In _____ Out _____
Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections) to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___
** DATE COMPLETED ___/___/___ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED ___/___/___

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
STI _____ INSPECTOR

EFV Brand: ■ Perfection ☐ Other _____ (Specify)
Type: ☐ Socket Fusion ■ Permaseal Ends
Flow Series - CTS (Inches): ☐ 400 - 1/2" ■ 800 - 1" ☐ 1800 - 1" ☐ 800 - 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S D-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

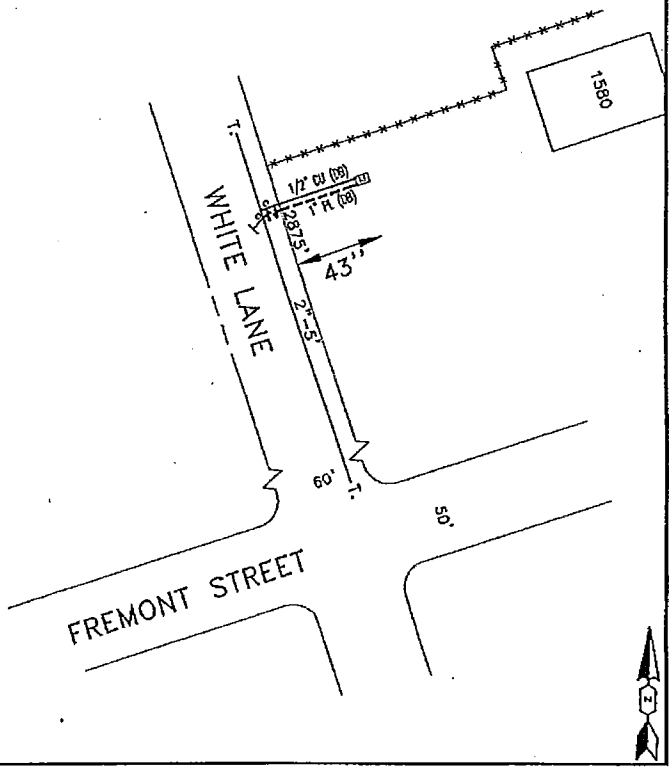
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (If project design changes, contact ACE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on line below)
_____
BY: _____ SIGNATURE, NAME, [CORPORATE ID], DATE



NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. UTILIZE EXISTING METER LOCATION.
2. INSTALL EFV AS SHOWN
3. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____ Est. Name Courtney Bacom

Agreement: Verbal ☐ Written ☐

Map Plat No. 3006-A1 Block 07 Address: 1584 WHITE LANE, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27275 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / EXISTING FACILITY Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ STL ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ (Casing Size) PVC ☐ PE ☐ STL ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On EAST Side WHITE LANE In _____ Out 5'

PROPOSED / EXISTING SERVICE LOCATION:
Service: On EAST Side WHITE LANE, 2975 N/N/PL OF FREMONT ST.

Size: 1" STL ☐ PE2406 ■ PE3408 ☐ Adj-A ☐ CU ☐

Insert: Yes ☐ No ■ (Casing Size) Casing: PE ☐ PVC ☐ STL ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ Pl. ☐ None ■
Riser Valve: AY McDonald ☐ Mueller ■

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE
REF. NO. _____
☐ CURB METER
☐ MANIFOLD ____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION
No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER _____

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"
Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____
C/O Data 23' FL 1/2" CU In. Yr. Install 1949 Type: STL ☐ PL ☐ CU ■ Reason: Leakage ☐ Other ■
Transfer From _____ Main On _____ Side _____ In _____ Out _____
Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total Ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__
** DATE COMPLETED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
By: _____ INSPECTOR

EFV Brand	Type
■ Perfection	☐ Socket Fusion
☐ Other _____ (Specify)	■ Permaseal Ends

Flow Series – CTS (inches)
☐ 400 – 1/2" ■ 800 – 1" ☐ 1800 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S 0-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

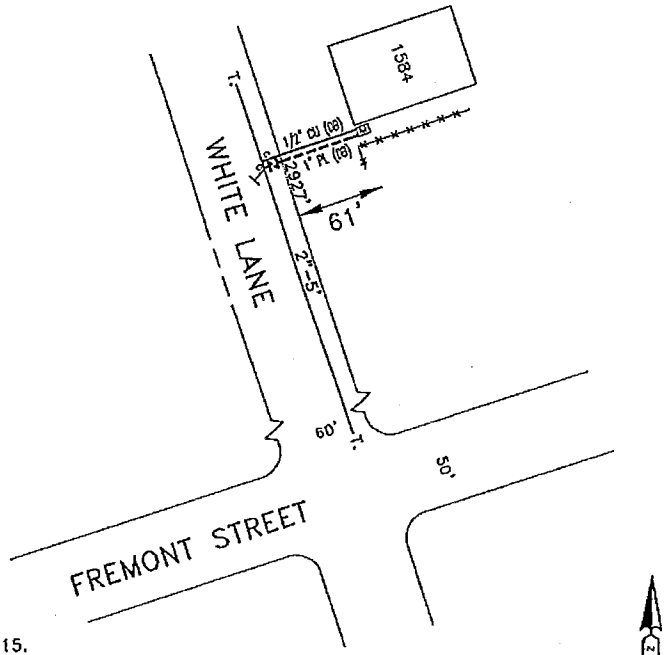
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the below)
_____
By: _____ SIGNATURE, NAME (CORPORATE ID), DATE



NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. VENT REG. ABOVE HOUSE VENT PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

Pacific Gas and Electric Company
Gas Service Record
Form F5458-1

GAS SERVICE RECORD

Special Facilities ☐ (CP 10%er) ☐ Existing (10%er) ☐

Notif.No. 105277147 PM Order No. 30847643 Leak No. _____

Est. Name Courtney Bacom
Est. Phone No. 347-5047

Agreement: Verbal ☐ Written ☐

Map Plat No. 3006-A1 Block 07 Address: 1640 WHITE LANE, STOCKTON, CA.

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 27267 Date Issued: 6-1-2012 By: Cdb9

PROPOSED / EXISTING FACILITY Approx. Depth of Main _____ Approx. Depth of Ex. Svc. _____ Depth of Inst. Svc. _____

OFF: Main ■ 2" HP (Size & Pressure) PE ☐ SU. ■ Service ☐ CI ☐ CU ☐

Inserted in Casing: Yes ☐ No ■ (Casing Size) PVC ☐ PE ☐ SU. ☐ CI ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

Main Trench Occupied With: ■ None ☐ Electric ☐ Telephone ☐ CATV ☐ Other _____

On EAST Side WHITE LANE In _____ Out 5'

PROPOSED / EXISTING SERVICE LOCATION:
Service: On EAST Side WHITE LANE, 3028' N/N/PL OF FREMONT ST.

Size: 1" SU. ☐ PE2406 ■ PE3408 ☐ Aldyl-A ☐ CU ☐

Insert: Yes ☐ No ■ (Casing Size) Casing: PE ☐ PVC ☐ SU. ☐ CU ☐

Riser: Size 1" Inside ☐ Outside ■
Pre-Fab Non-Corrodible: Regular ■ Short ☐ Long ☐
Steel Encased-Plastic Insert ☐ Steel Riser ☐

Curb Valve: Metal ☐ Pl. ☐ None ■
Riser Valve: AY McDonald ☐ Mueller ☐

SVC Trench Occupied With: None ■ Elec. ☐ Phone ☐ CATV ☐ Other _____

JOB ORDER
☐ NEW SERVICE
☐ STUB SERVICE *
☐ STUB COMPLETION **
☐ BRANCH SERVICE REF. NO. _____
☐ CURB METER
☐ MANIFOLD _____
☐ CONVERT TO MAIN
■ REPLACEMENT
☐ PARTIAL
■ COMPLETE
☐ TRANSFER
☐ ALTER / INSPECTION
☐ DEMOLITION No. _____
☐ CUT-OFF (C/O)
☐ AT MAIN ☐ AT P/L
☐ OTHER

No. of Outlets 1 Res. Meter(s) No. 1 Size 250 Reg. Size / Type: 3/4" IRV Orifice: 3/16"
Comm. Meter(s) No. ____ Size _____ Monitor Size / Type: _____ Orifice: _____
C/O Data 57' Ft. 1/2" CU In. Yr. Install 1949 Type: SU. ☐ Pl. ☐ CU ■ Reason: Leakage ☐ Other ■
Transfer From _____ Main On _____ Side _____ In _____ Out _____
Instructions and Cautions: REPLACE COPPER SERVICE WITH 1" PLASTIC

TRENCHED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
COMPLETION	■	☐

INSTALLED BY:	PG&E	APPLICANT
BACKBONE	☐	☐
SVC COMP	■	☐

WORK DONE: (Show corrections to service and main data above)
_____ Ft. Main to End of Stub
_____ Ft. End of Stub to Riser
_____ Total ft.

Electric UG in area: YES ☐ NO ■
TP (HP) SHP LP
MAOP 60 (PSIG) / W.C.
Class Location: 1 ☐ 2 ☐ 3 ■ 4 ☐

* DATE STUB INSTALLED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__
** DATE COMPLETED __/__/__ FOREMAN _____
MANUFACTURER _____ DD/MM/YY MANUFACTURED __/__/__

TEST DATA: (See Gas Standard A-34) Provide information for services off distribution systems (up to 60 PSIG MAOP):
STUB _____ PSIG for _____ Minutes
COMPLETION _____ PSIG for _____ Minutes
For services operating with an MAOP of above 60 PSIG, attach a copy of the Strength Test Pressure Report.

Posted By: _____
Date _____

WELDING INSPECTION PER PG&E GAS STD D-40
BY: _____ INSPECTOR

EFV Brand	Type
■ Perfection	☐ Socket Fusion
☐ Other _____ (Specify)	■ Permasert Ends

Flow Series – CTS (Inches)
☐ 400 – 1/2" ■ 800 – 1" ☐ 1800 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-02
Main under protection YES ■ NO ☐
Install cathodic protection (Per GS&S 0-16) ☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN
Existing: ☐ New: ☐ No. Installed _____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

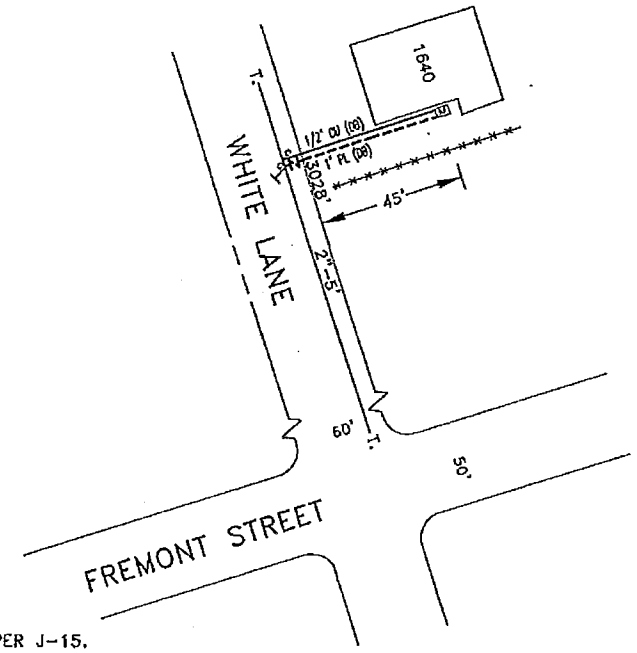
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date _____
☐ VALVE Reading ____ Date _____
☐ OTHER Reading ____ Date _____
Performed By: _____

LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ Strapped to Riser
☐ Nico-pressed wire at main	☐ Terminated at curb valve
☐ N/A	☐ N/A

Sketch / Notes

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (If project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on the back)
BY: _____
SIGNATURE, NAME, [CORPORATE ID], DATE

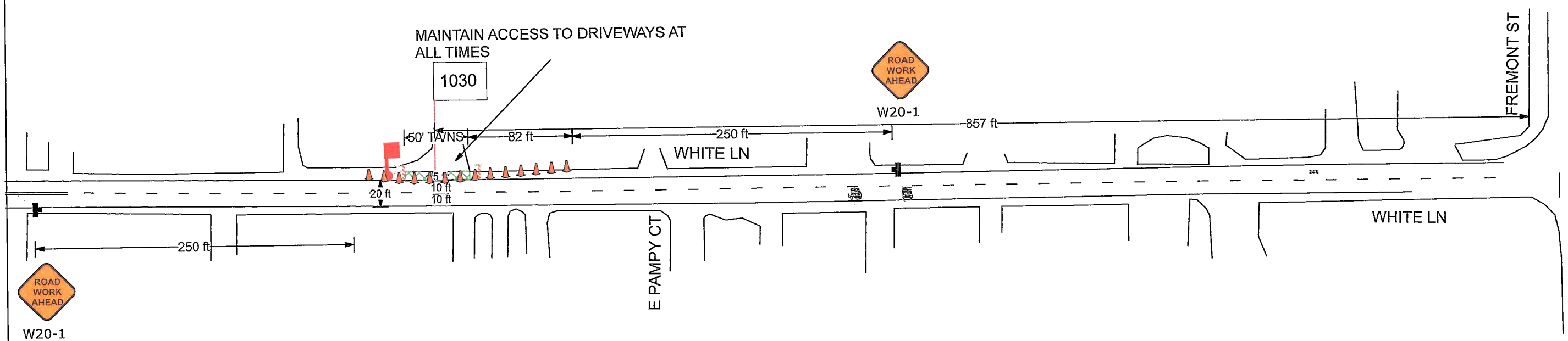


NO LOAD INFO AT THIS TIME
NOT TO SCALE

NOTES:
1. VENT REG. TO CLEAR OPEN WINDOW PER J-15.
2. UTILIZE EXISTING METER LOCATION.
3. INSTALL EFV AS SHOWN
4. REVIEW OLD GAS SERVICE RECORD.

www.invarion.com

TRAFFIC CONTROL PLAN
PG&E COPPER SERVICE REPLACEMENT PROGRAM
1030 WHITE LANE, STOCKTON, CA



Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	200 feet	200 feet	200 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,000 feet	2,640 feet

* ~~Speed values are based on high-speed operation.~~

** The values in headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of distribution 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 signs. (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 farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

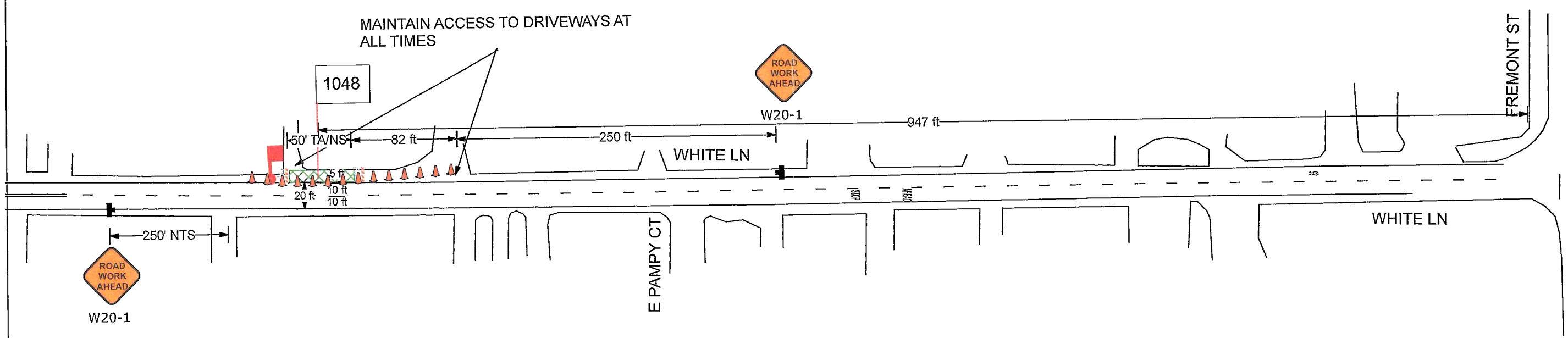
CMC Traffic Control Specialists dba
CMC Construction
3450 3rd St, Suite 3G, San Francisco, CA 94124
Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 458
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

www.invarion.com

TRAFFIC CONTROL PLAN
PG&E COPPER SERVICE REPLACEMENT PROGRAM
1048 WHITE LANE, STOCKTON, CA



Plan Scale

1 in = 80ft

N

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less, L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* See the warrants to be determined by the Highway Agency.
** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. 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 signs. (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 farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

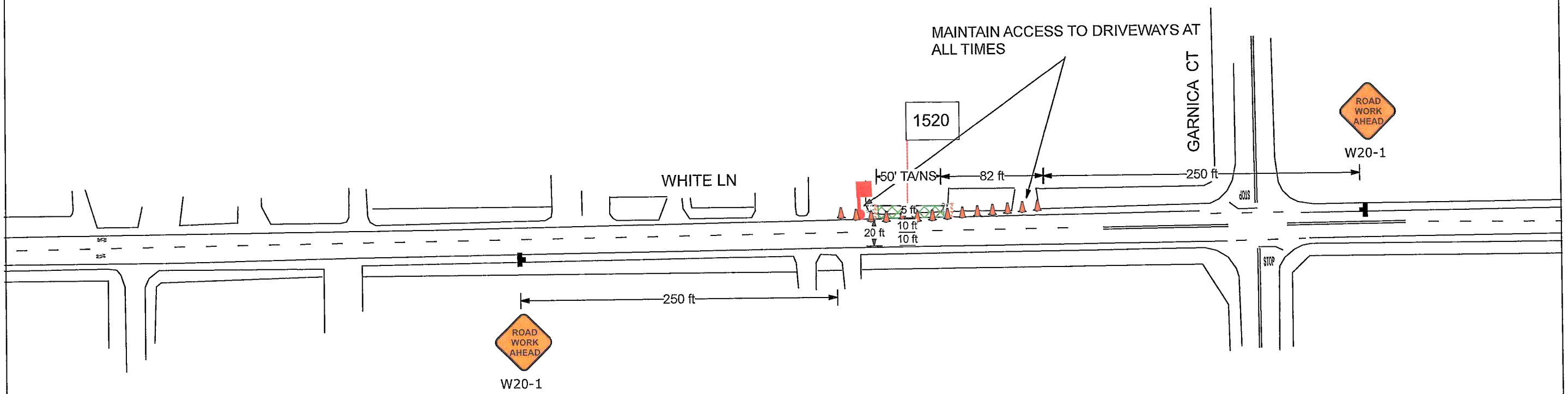
CMC Traffic Control Specialists dba
CMC Construction
3450 3rd St, Suite 3G, San Francisco, CA 94124
Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 459
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

www.invarion.com

TRAFFIC CONTROL PLAN
PG&E COPPER SERVICE REPLACEMENT PROGRAM
1520 WHITE LANE, STOCKTON, CA



Plan Scale

1 in = 80ft

N

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.06.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	200 feet	200 feet	200 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* ~~See the manual to be developed by the highway agency.~~
* The column headings A, B, and C are the sign spacing dimensions in Figures 6H-1 through 6H-46. 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 signs. (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 farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

CMC Traffic Control Specialists dba
CMC Construction
3450 3rd St, Suite 3G, San Francisco, CA 94124
Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 460
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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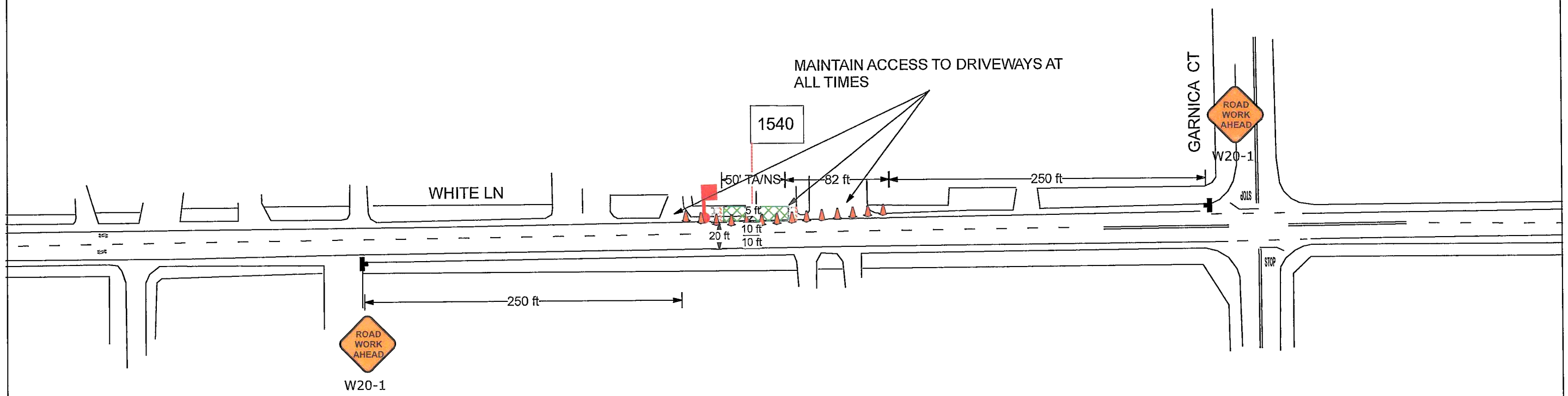
1540 WHITE LANE, STOCKTON, CA



Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.06.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* ~~Speed category to be determined by highway agency.~~

** The values in headings A, B, and C are the distances shown in Figures 6H-1 through 6H-46. 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 signs. (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 farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

CMC Traffic Control Specialists dba
CMC Construction
3450 3rd St, Suite 3G, San Francisco, CA 94124
Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vendor No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 461
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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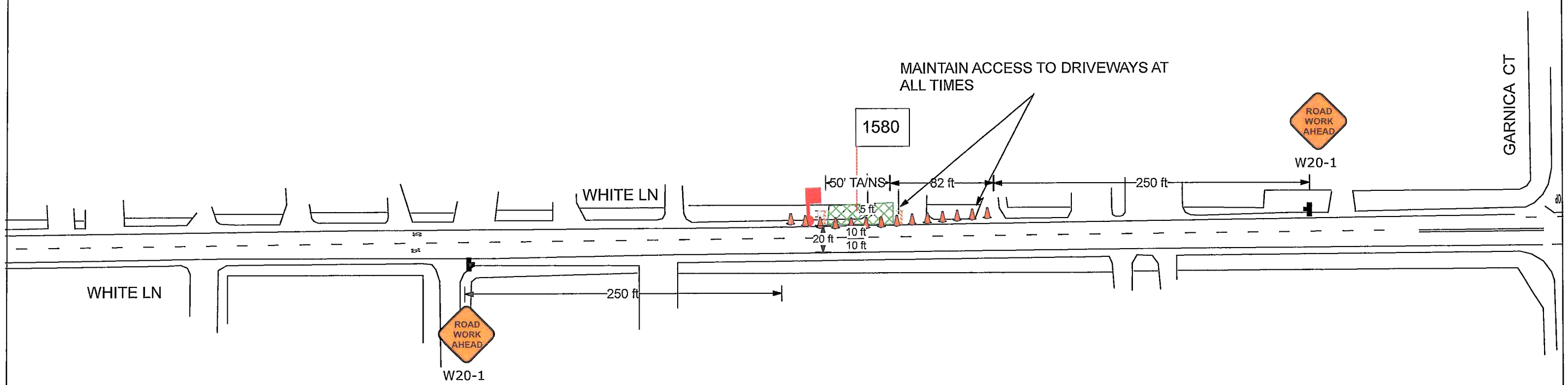

Plan Scale

1 in = 80ft

N

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* ~~Special category to be for major highway signing~~
** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-48. 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 signs. (The "third sign" is the sign in a three sign series that is closest to the TTC zone. The "third sign" is the sign that is farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

CMC Traffic Control Specialists dba CMC Construction
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Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 462
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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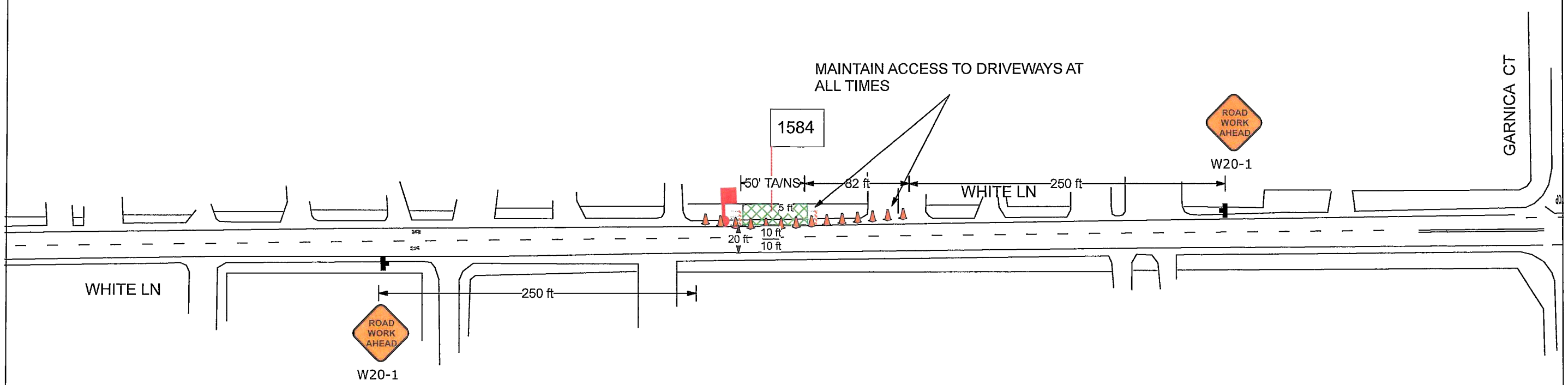

Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less: L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* ~~For all signs to be installed on the Highway system~~

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. 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 signs. (The "first sign" is the sign in a short sign series that is closest to the TTC zone. The "third sign" is the sign that is farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

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Phone: (415) 206-1700 Fax: (415) 206-1711

Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 463
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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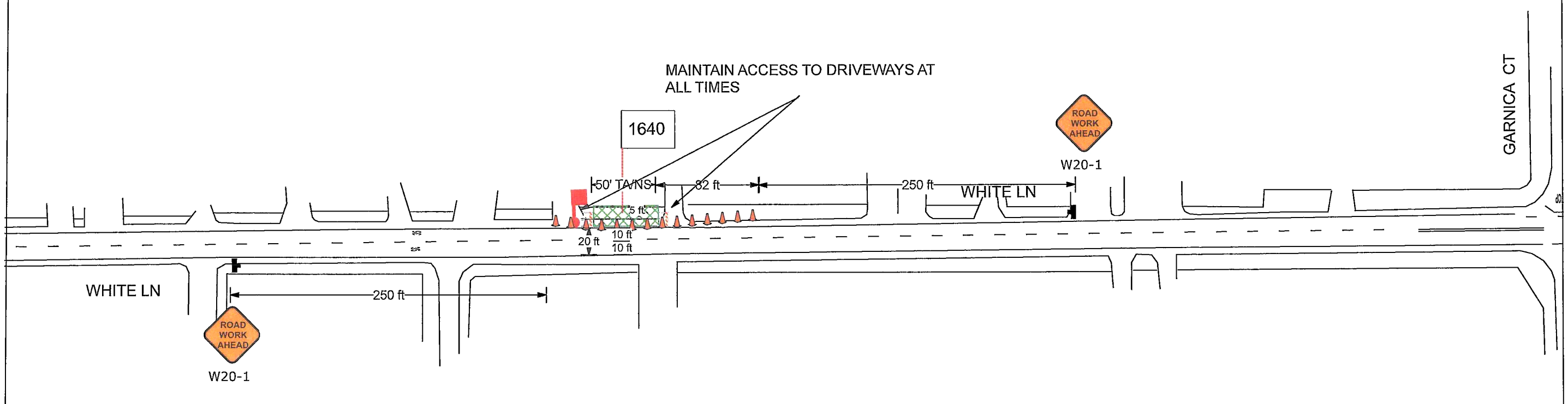

Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less, L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.06.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* ~~Speed category to be determined by the highway agency.~~
** The column headings A, B, and C are the dimensions shown on Figures 6H-1 through 6H-46. 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 signs. (The "first sign" is the sign in the three-sign series that is closest to the TTC zone. The "third sign" is the sign that is farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
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- Existing Utility

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Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 464
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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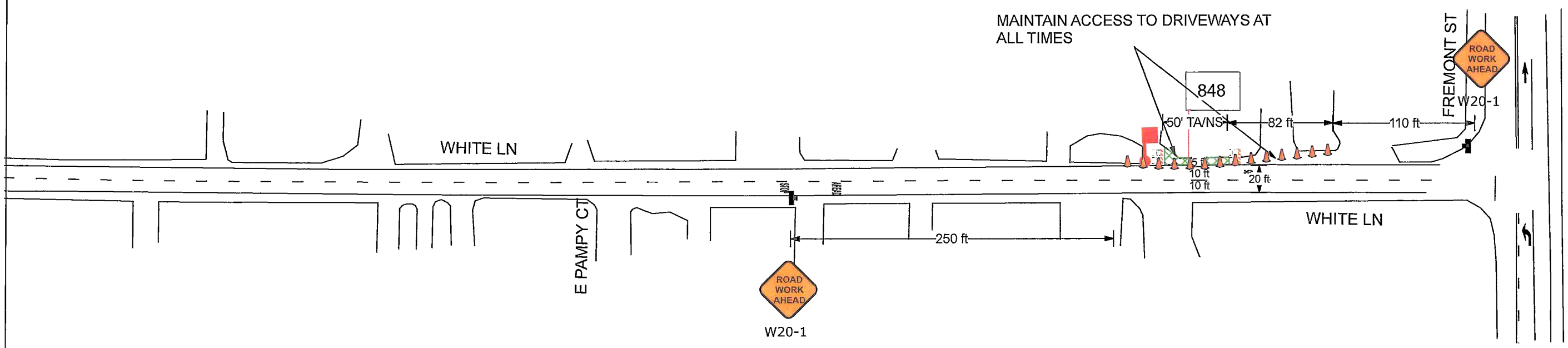

Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper ~~Length Criteria for~~ 100 ft ~~Traffic Control Zones~~ (for 12 feet Offset)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.06.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,000 feet	2,640 feet

* ~~Speed values shall be determined by the highway agency.~~
** The values in buildings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of resumption 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 signs. (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 farthest upstream from the TTC zone.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
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Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 455
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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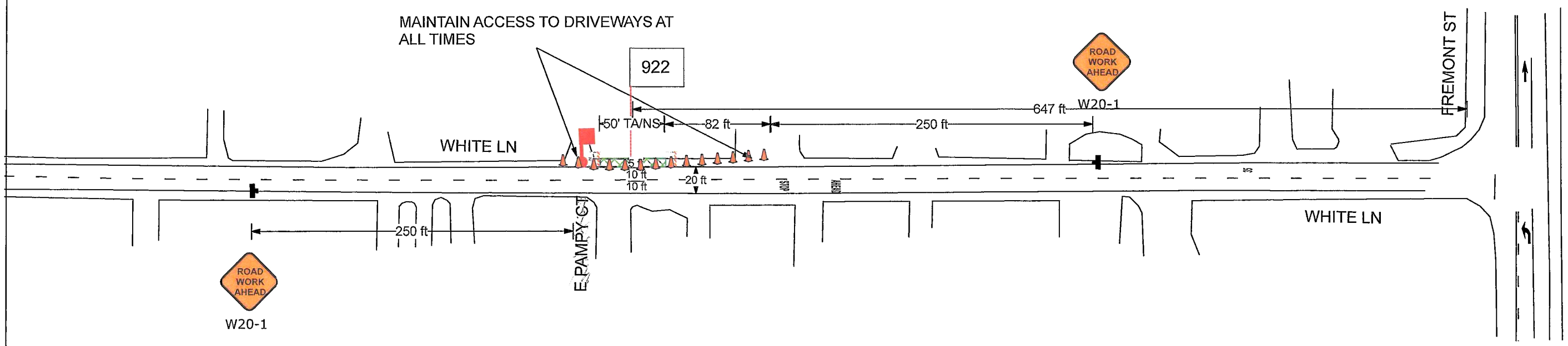

Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less, L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,000 feet	2,640 feet

* ~~Speed limits to be determined by the highway agency.~~
^ The values in buildings A, B, and C are the dimensions shown in Figure 6H-1 through 6H-46. 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 signs. (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.)

- Type III Barricade
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Direction of Travel
- Type III Barricade (Plain View)
- Water Filled Barrier
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Police Officer
- Flagger
- Type I Barricade
- Work Truck
- Pipe to be installed
- Existing Utility

CMC Traffic Control Specialists dba CMC Construction
3450 3rd St, Suite 3G, San Francisco, CA 94124
Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vendor No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 456
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
1) FLAGGERS TO ASSIST PEDESTRIANS AS REQUIRED THRU WORK ZONES.

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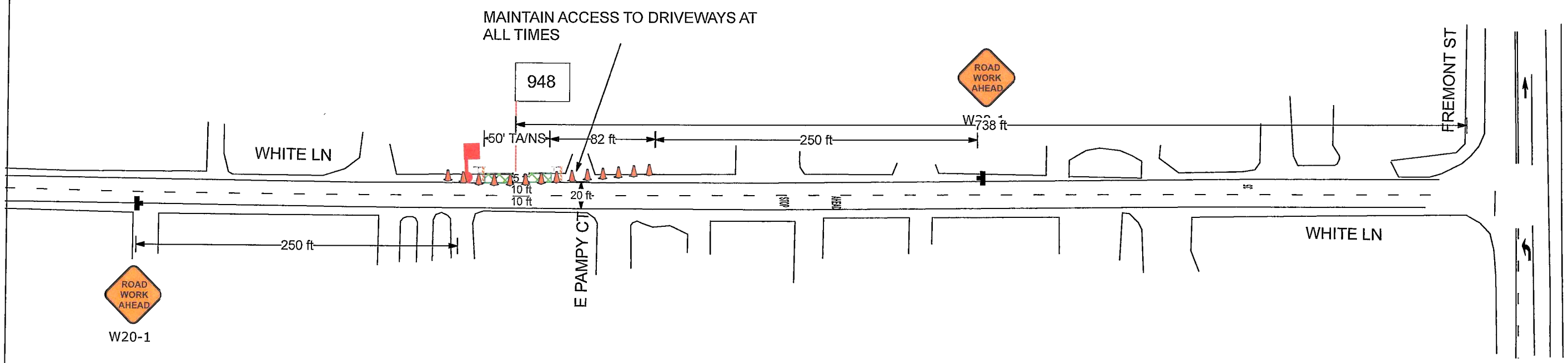

Plan Scale

1 in = 80ft

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.
All other tapers are as shown.

** Use on intermediate and short-term projects 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 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
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60	720	360	240	50
65	780	390	260	50
70	840	420	280	50

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

** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less L=WS²/60
For speeds 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

*** - Maximum downstream taper length is 100 feet. See Section 6C.06.

Table 6C-1. Recommended Advance Warning Sign ~~Minimum~~ Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* ~~Speed values shown are for posted or traffic high-speed roads.~~
** The values in the table, A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. 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 signs. (The "first sign" is the sign in a series that is closest to the TTC zone. The "third sign" is the sign that is farthest upstream from the TTC zone.)

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Client: ARB **Owner:** PG&E **TCP:** 457
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

Comments:
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