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-1300745**
Date Issued: 03/19/2013
Exp. Date: 07/15/2013
Project No: PWP730052
Quad: NS

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" ST., "F" ST. AND WILLOW ST. 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: $978.00

THOMAS M. GAU, Director
Department of Public Works

By: _____
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)

925-270-2752
(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	"E" St., "F" St., Willow St.		*
AREA	STOCKTON QUAD N3		*
TYPE	Bell Holes		*
FORMS	SP/WW, E-29, Trench Cutting Policy		
NOTES			

Sketch (Detailed plans may be submitted)

Provided

1239 N. E St
1455, 1555 N. F St
2208, 2226, 2355 Willow St

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

Am# 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 L Aldrich — Permit Coordinator — 3/7/13
Signature of Applicant - Title — Date

E:\PUB-SV.W:\A\MASTER.PS\ENCROACHMENT PERMIT APPLICATION.DOC (01/04)

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. 3005-C4 Block 23 Address: 2208 WILLOW STREET, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR #57639 MISSING 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 ■ St. ☐ Service ☐ CI ☐ CU ☐

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

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On SOUTH Side WILLOW STREET In _____ Out _____

(PROPOSED) / EXISTING SERVICE LOCATION:
Service: On SOUTH Side WILLOW STREET, 34' E/E/PL OF "D" STREET

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

Insert: Yes ☐ No ■ _____ (Casing Size)
Casing: PE ☐ PVC ☐ St. ☐ 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 2MM
☐ 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 ' Ft. 1" CU In. Yr. Install 1965 Type: St. ☐ 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. 3005-14
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: _____

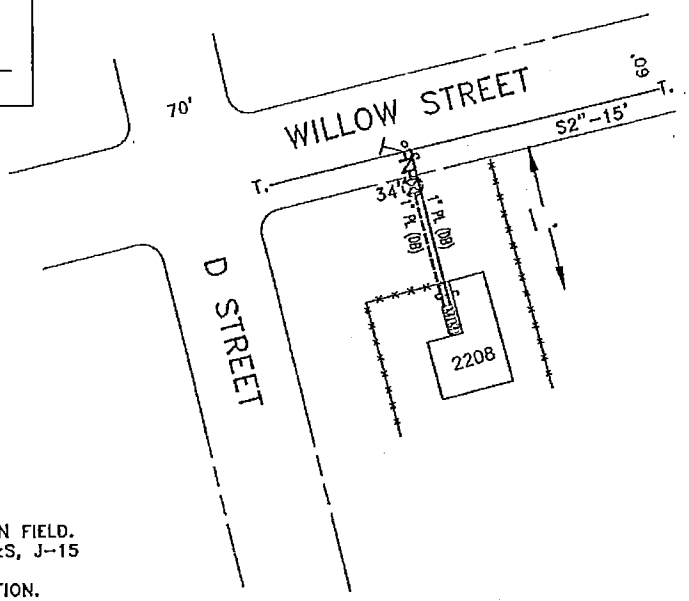
LOCATING WIRE CONNECTIONS: SVC Wire Size #10

TERM. AT MAIN	TERM. AT: RISER ■ SVC ☐
■ Bonded	☐ Bonded
☐ Wrapped around Tee	■ 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 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. VERIFY THIS SVC IS PLASTIC IN FIELD.
2. INSTALL CURB VALVE PER GS&S, J-15 & K-40.
3. UTILIZE EXISTING METER LOCATION.
4. INSTALL EFV AS SHOWN
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. 3005-C4 Block 23 Address: 2226 WILLOW STREET, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR #746 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" LP (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

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

On SOUTH Side WILLOW STREET In _____ Out 15'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On SOUTH Side WILLOW STREET, 30' W/W/PL OF WILLIAMS 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 _____

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 54' Ft. 1" CU In. Yr. Install 1966 Type: STL ☐ 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 ____
- ☐ 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
BY: _____ INSPECTOR

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

Flow Series – CTS (Inches)
☐ 400 – 1/2" ☐ 800 – 1" ☐ 1600 – 1"
☐ 800 – 1/2" ☐ Other _____ (Specify)

FOLD

CATHODIC PROTECTION: CPA No. 3005-14
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: _____

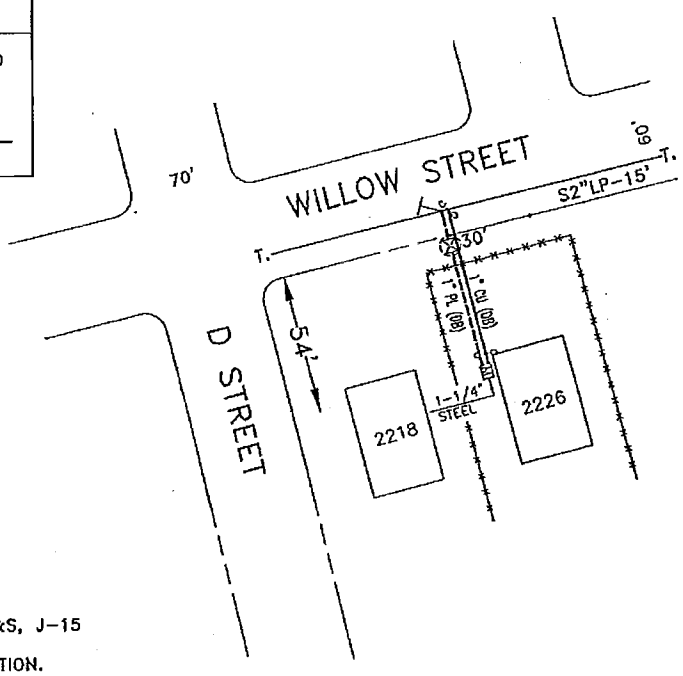
LOCATING WIRE CONNECTIONS: SVC Wire Size #10

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 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. 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. 3005-C4 Block 21 Address: 2355 WILLOW STREET, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. QLD GSR #73332 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" LP (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 SOUTH Side WILLOW STREET In _____ Out 15'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On NORTH Side WILLOW STREET, 311' W/W/PL OF "F" STREET

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

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

Riser: Size 1" Inside ☐ Outside ■ Pre-Fab Non-Corrosible: 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 Data 55' FL 1" CU In. Yr. Install 1976 Type: STL ☐ 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 ____
- ☐ 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.

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

Electric UG in area: YES ☐ NO ■
TP HP SHP (LP)
MAOP 25 (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
Sign. _____ 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. 3005-14
Main under protection YES ■ NO ☐ (☐ RISER ☐ VALVE ☐ SVC. ☐ MAIN)
Install cathodic protection (Per GS&S 0-16)
Existing: ☐ New: ☐ No. Installed ____
Size: _____ Lb. Anode Type: MAG ☐ ZINC ☐

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

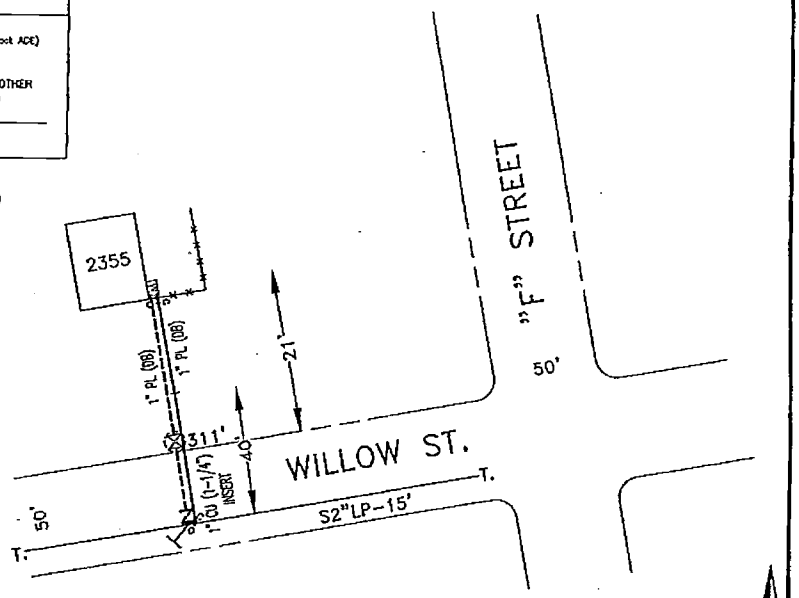
LOCATING WIRE CONNECTIONS: SVC Wire Size #10

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 the back)
Sign. _____ 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 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) ☐

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

Agreement: Verbal ☐ Written ☐

Map Plat No. 3005-C4 Block 53 Address: 1555 F STREET, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 14421 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 ☐ — 4" LP (Size & Pressure) PE ☐ CI ☐ STL ■ CU ☐

Inserted In Casing: Yes ☐ No ■ — Casing Size — PVC ☐ PE ☐ CI ☐ STL ☐ CU ☐

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

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

On WEST Side F STREET In _____ Out 11'

(PROPOSED) / EXISTING SERVICE LOCATION:
Service: On WEST Side F STREET, 41' S/S/PL OF JOHN STREET

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 _____

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 42' Ft. 1" CU In. Yr. Install 1967 Type: STL ☐ 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 ____
☐ 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 25 (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. 3005-14
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 ☐

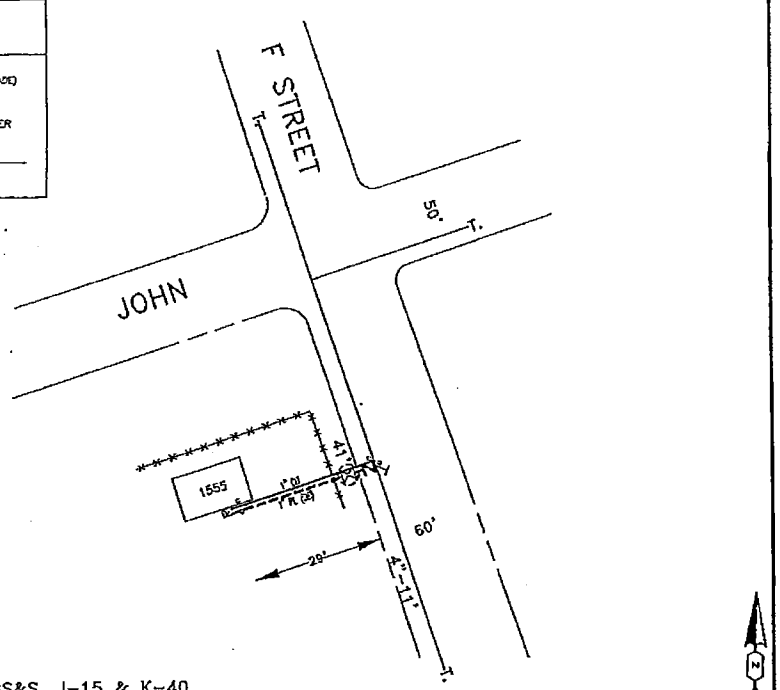
GALVANIC CP SYSTEMS:
☐ RISER Reading ____ Date ____
☐ VALVE Reading ____ Date ____
☐ OTHER Reading ____ Date ____
Performed By: _____

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 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 ON A LOW PRESSURE MAIN.
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. 3005-C4 Block 52 Address: 1455 N F STREET, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 61797 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 ☐ — 52" LP (Size & Pressure) — PE ☐ CI ☐ SU. ■ CU ☐

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

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On WEST Side F STREET In _____ Out 12'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On WEST Side F STREET, 16' S/S/PL OF FRANCIS 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 22' FL 1" CU In. Yr. Install 1969 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)
_____ FL Main to End of Stub
_____ FL End of Stub to Riser
_____ Total FL

Electric UG in area: YES ☐ NO ■
TP HP SHP (LP)
MAOP 25 (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. 3005-14
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: _____

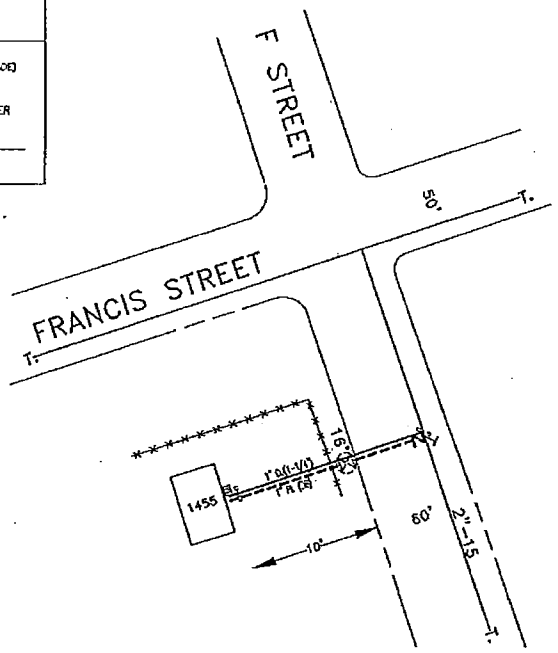
LOCATING WIRE CONNECTIONS: SVC Wire Size #10

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 STAVP
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. INSTALL CURB VALVE PER GS&S, J-15 & K-40.
2. UTILIZE EXISTING METER LOCATION ON A LOW PRESSURE MAIN.
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. 3004-C5 Block 66 Address: 1239 N E STREET, STOCKTON, CA. Est. Phone No. 347-5047

Applicant/Tract Name: ST-2-COPPER REPLACEMENT PROJECT Lot No. OLD GSR # 1656 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" LP (Size & Pressure) PE ☐ CI ☐ SIL ■ CU ☐

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

Trenched By: ■ PG&E ☐ Applicant ☐ Contractor

On EAST Side E STREET In _____ Out 15'

(PROPOSED) / EXISTING SERVICE LOCATION:

Service: On WEST Side E STREET, 41' S/S/PL OF WILLOW STREET

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

Insert: Yes ☐ No ■ — Casing Size — Casing: PE ☐ PVC ☐ SIL ☐ 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 Data 61' FL 1" CU In. Yr. Install 1964 Type: SIL ☐ 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 ____
☐ 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 25 (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. 3005-14
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: _____

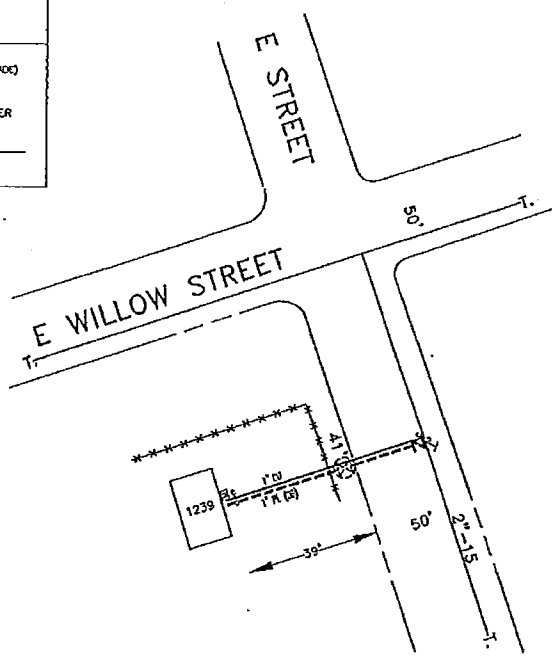
LOCATING WIRE CONNECTIONS: SVC Wire Size #10

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 STAVP
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 ON A LOW PRESSURE MAIN.
3. REVIEW OLD GAS SERVICE RECORD.

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TRAFFIC CONTROL PLAN
PG&E COPPER SERVICE REPLACEMENT PROGRAM
1239 N E ST, STOCKTON, CA

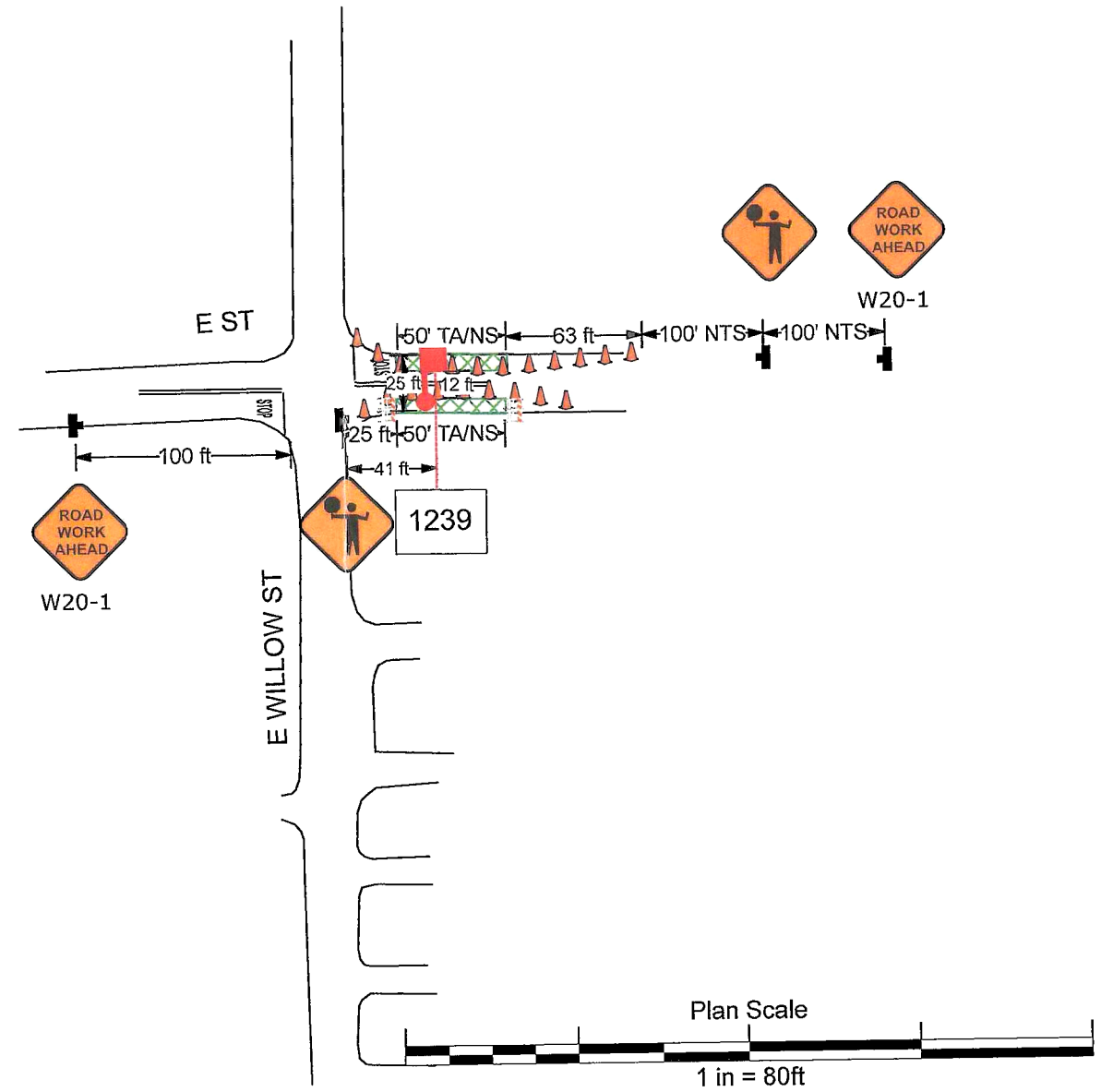

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

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	1,000 feet	2,640 feet

* Speed category to be determined by the highway agency.
** The values in headings A, B, and C are the dimensions shown in Figure 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 '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

N

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:** 451
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

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

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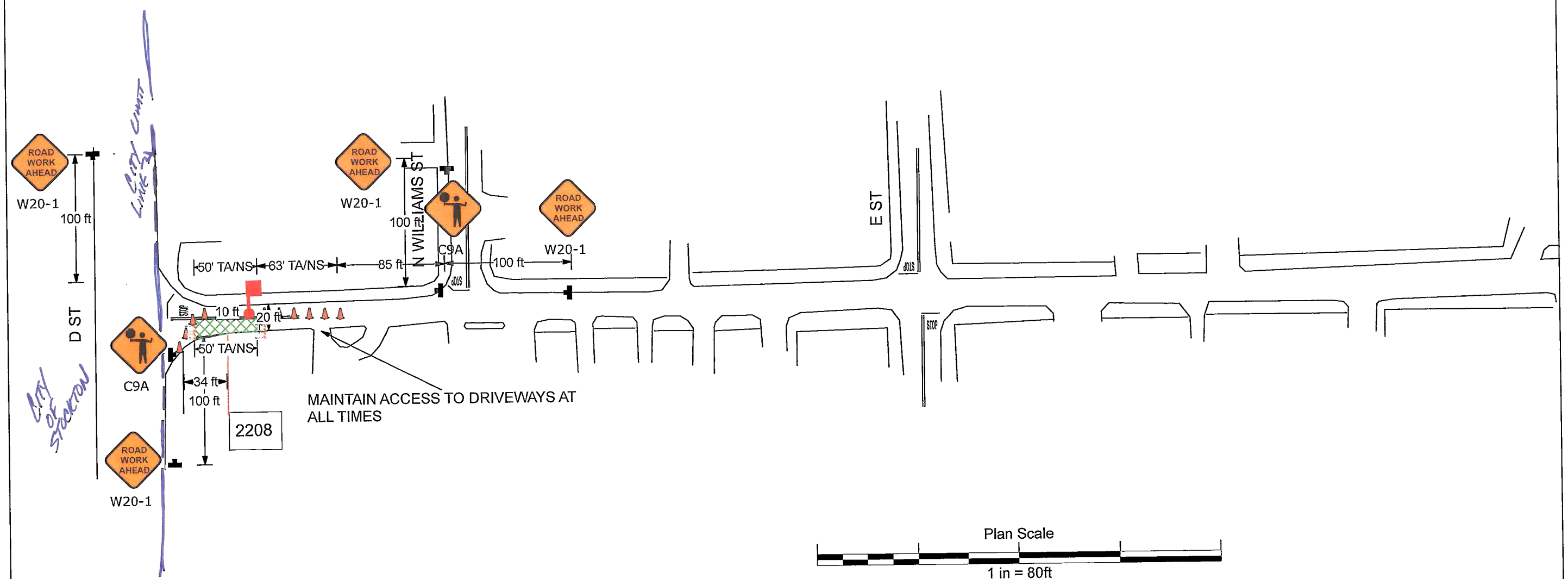
TRAFFIC CONTROL PLAN
PG&E COPPER SERVICE REPLACEMENT PROGRAM
2208 WILLOW ST, STOCKTON, CA



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

* Sign spacings may be adjusted 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 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

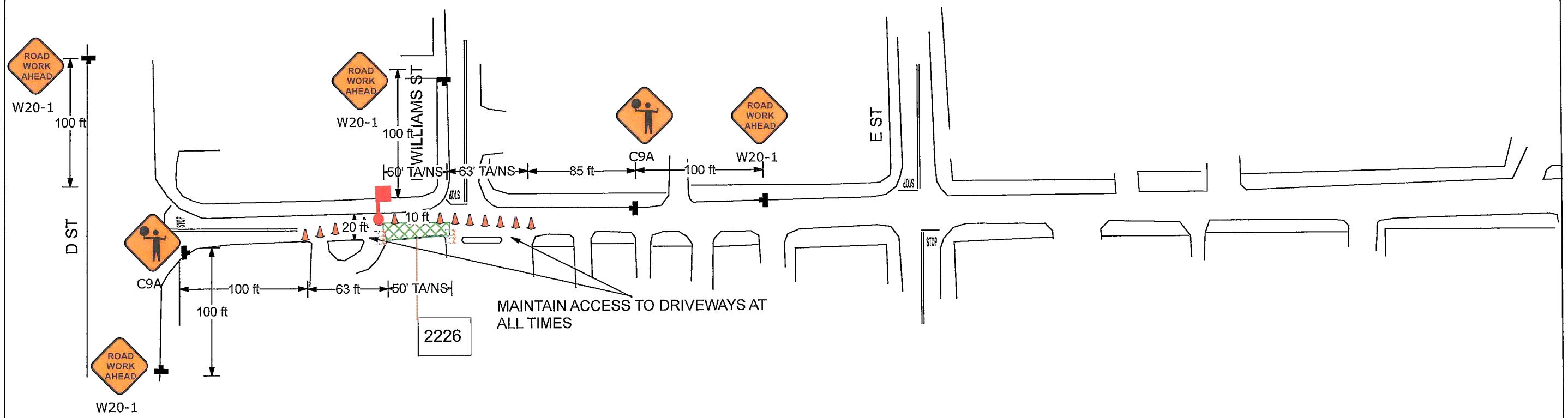
CMC Traffic Control Specialists
dba
CMC Construction
3450 3rd St, Suite 3G, San Francisco, CA 94124
Phone: (415) 206-1700 Fax: (415) 206-1711
Contractor License No. 792059 (Class A & C-31)
SFHRC Vender No. 021413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 465
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
2226 WILLOW ST, 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	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 lighting 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 "third sign" is the sign 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
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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:** 466
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

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

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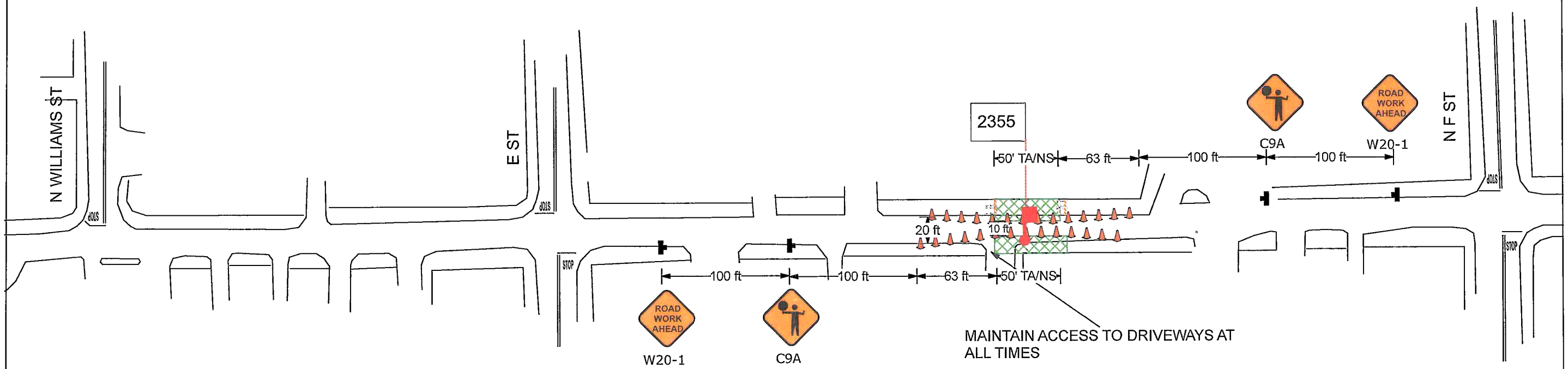

Plan Scale

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	60	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

* ~~Speed category to be determined by the Agency engineer.~~
** 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
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- Direction of Travel
- Type III Barricade (Plain View)
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- TA/NS Tow-Away/No Stopping
- Police Officer
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- Type I Barricade
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- Pipe to be installed
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Contractor License No. 792059 (Class A & C-31)
SFHRC Vendor No. 621413710 (LBE/WBE)

Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 467
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

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

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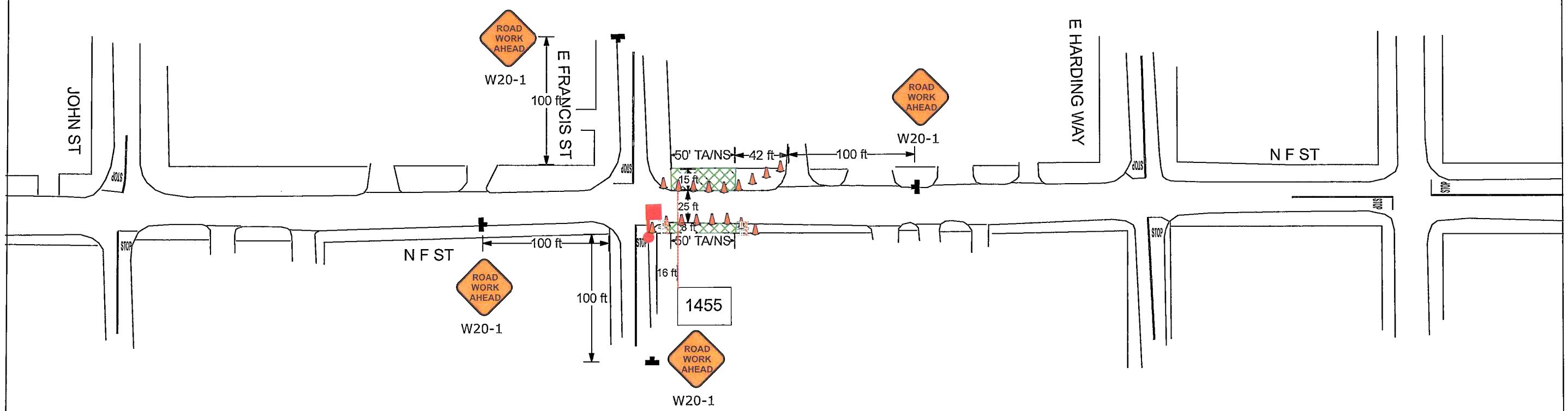

Plan Scale

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
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* - 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

* ~~Speed category to be determined by the highway agency.~~
** The values in footnotes 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 that is farthest upstream from the TTC zone. The "third sign" is the sign that is closest to the TTC zone.)

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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:** 452
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

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

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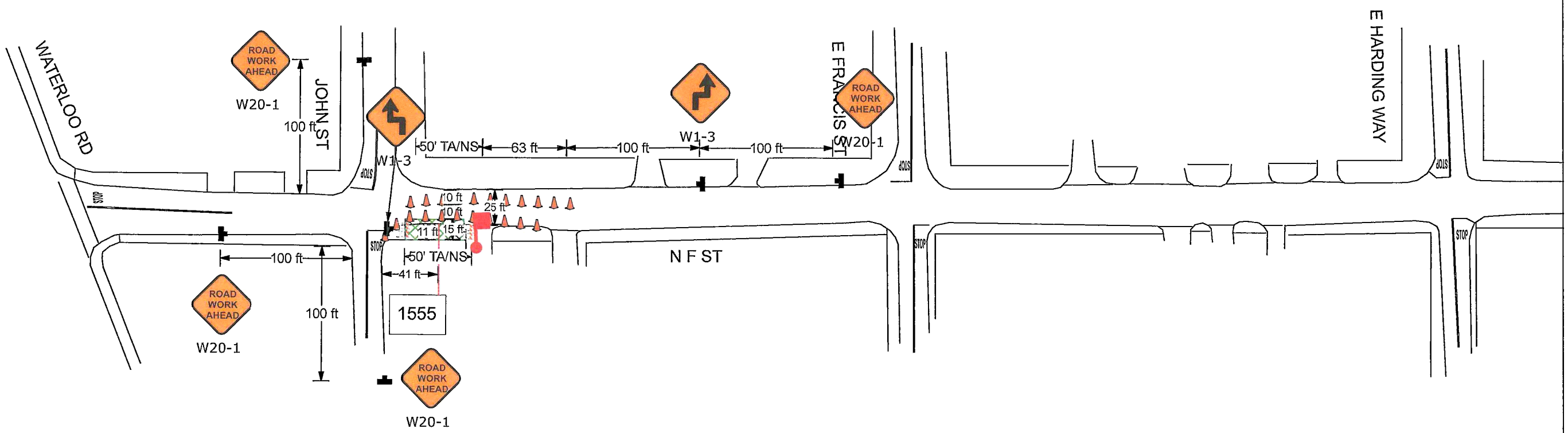

Plan Scale

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Where L = taper length in feet
W = width of offset in feet
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*** - 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*		
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Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
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** 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.)

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Date: 03/01/2013 **Author:** PM/RC **Project:** AS NEEDED COPPER SERVICE REPLACEMENT
Client: ARB **Owner:** PG&E **TCP:** 453
Client job #: 0642-3120U **CMC Job #:** 102 **REV:** 0

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