



COUNTY OF SAN JOAQUIN

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

Permit No: PS-1900276
Date Issued: 02/04/2019
Start Date: 02/15/2019
Exp. Date: 04/15/2019
Project No: PWP730052
Quad:

UE/CR/PM NO:31168290

ENCROACHMENT PERMIT

To: PACIFIC GAS & ELECTRIC - STOCKTON
PO BOX 930
STOCKTON, CA 95201

Encroachment Type:

Bell Hole			
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Location:

3022 N WILSON WY

In compliance with your request of 02/04/2019, 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 "Special Conditions"*****
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FORMS:

SS/WW, R-29	Trench Cut	Policy
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Est. Permit Fee: \$630.00

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

KRIS BALAJI, Director
Department of Public Works

By: 
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 1/17/2019

To: San Joaquin County
Department of Public Works

PG&E / Accu-Bore Directional Drilling Inc. PM **31168290**
(Applicant Name)

511 E Channel Rd

(Mailing Address)

Benicia, CA 94510

(City, State, Zip Code)

Roger Jackson (925) 459-6144

Michael Jacob (707) 741-8049

(Area Code - Telephone Number)

RHJC@pge.com; mjacob@accu-bore.com

(Email Address)

OFFICE USE ONLY

JOB #

730052

REF #

APN

CR #

EXP. DATE

VALID

TO

DRIVEWAYS:

STREET

AREA

QUAD

TYPE

FORMS

NOTES

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Sketch (Detailed plans may be submitted)

Crew to call SJ County Inspector at **(209) 953-7421 48 to 72 hours before work starts.**

When calling, crew shall request "rain clearance" for any work during winter months

November through March

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on **Belvedere Ave 70' SOUTH of Mistletoe Ave and N. Wilson Way 222' SOUTH of Mistletoe Ave,**

by performing the following work (description of work):

(2) 4' x 6' bell holes and approximately 50' of trench to tie-in gas service to distribution main - Golden Acres Mobile Home Park

Work will commence on or after 2/15/2019 for approximately 60 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.


Signature of Applicant - Title

1/17/2019

Date



SAN JOAQUIN
COUNTY
Greatness grows here.



Department of Public Works

Kris Balaji, Director of Public Works

Fritz Buchman, Deputy Director/Development

Michael Selling, Deputy Director/Engineering

Jim Stone, Deputy Director/Operations

Kristi Rhea, Manager of Strategic Initiatives

Acknowledgement of Monument Preservation

I, MICHAEL ROBIRDS, a duly Licensed Land Surveyor or a Professional Engineer
(Please print)

authorized to perform Land Surveying in the State of California, Registration No. 67262,

hereby acknowledge and accept all responsibility for the monument preservation as required
per Section 8771(a-f) of the Business and Professions Code within the bounds of the
construction activity permitted by San Joaquin County Permit No. _____

I further acknowledge that I am hereby responsible for the Acknowledgement of Monument
Preservation prior to final acceptance of the construction activity.

Signature

Seal

Date

PS-MONUMENT PRESERVATION



SPECIAL CONDITIONS FOR
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
2. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
3. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
5. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials. Restored fences shall not encroach into County right-of-way.
6. Work shall not be permitted within the San Joaquin County right-of-way between November 1 and March 31 without prior authorization from the San Joaquin County Department of Public Works Field Engineering Division, contact them at 209-953-7421.
7. All destroyed or obliterated pavement markings must be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
8. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
9. All pipe and pipeline related facilities including, but not limited to, valves, utility boxes and vaults, and frames and covers shall be maintained by PACIFIC GAS & ELECTRIC, including any facilities that are abandoned in place. PACIFIC GAS & ELECTRIC shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at PACIFIC GAS & ELECTRIC's expense. (Streets and Highways Code Section 1463)
10. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.

11. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
12. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.
13. The contractor shall use San Joaquin County Improvement Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.
14. No pavement cuts in traveled way.
15. Class II Aggregate Base shoulder backing is required from the edge of pavement, a minimum of 4-inches thick by 4-feet wide.
16. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
17. Above ground vaults, panels and/or other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.
18. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
19. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
20. The contractor shall not conduct construction operations in rain or heavy fog conditions.

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
 - a. The County of San Joaquin Public Works Department
 - b. The County of San Joaquin Sheriff's Office
 - c. The local postal service
 - d. The local fire district
 - e. The local school district
 - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and transportation Officials (AASHTO) designations.
 - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
 - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
 - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1.06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampoles, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two-feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

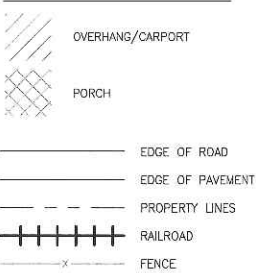
SPECIAL PROVISIONS

Winter Weather Utility Work

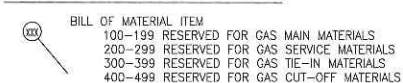
1. **SUPERVISION:** The utility company (**permittee**) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.

SYMBOLS LEGEND

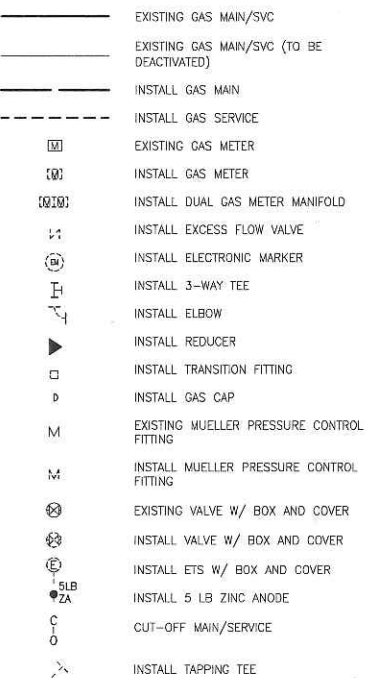
BASE MAP LEGEND:



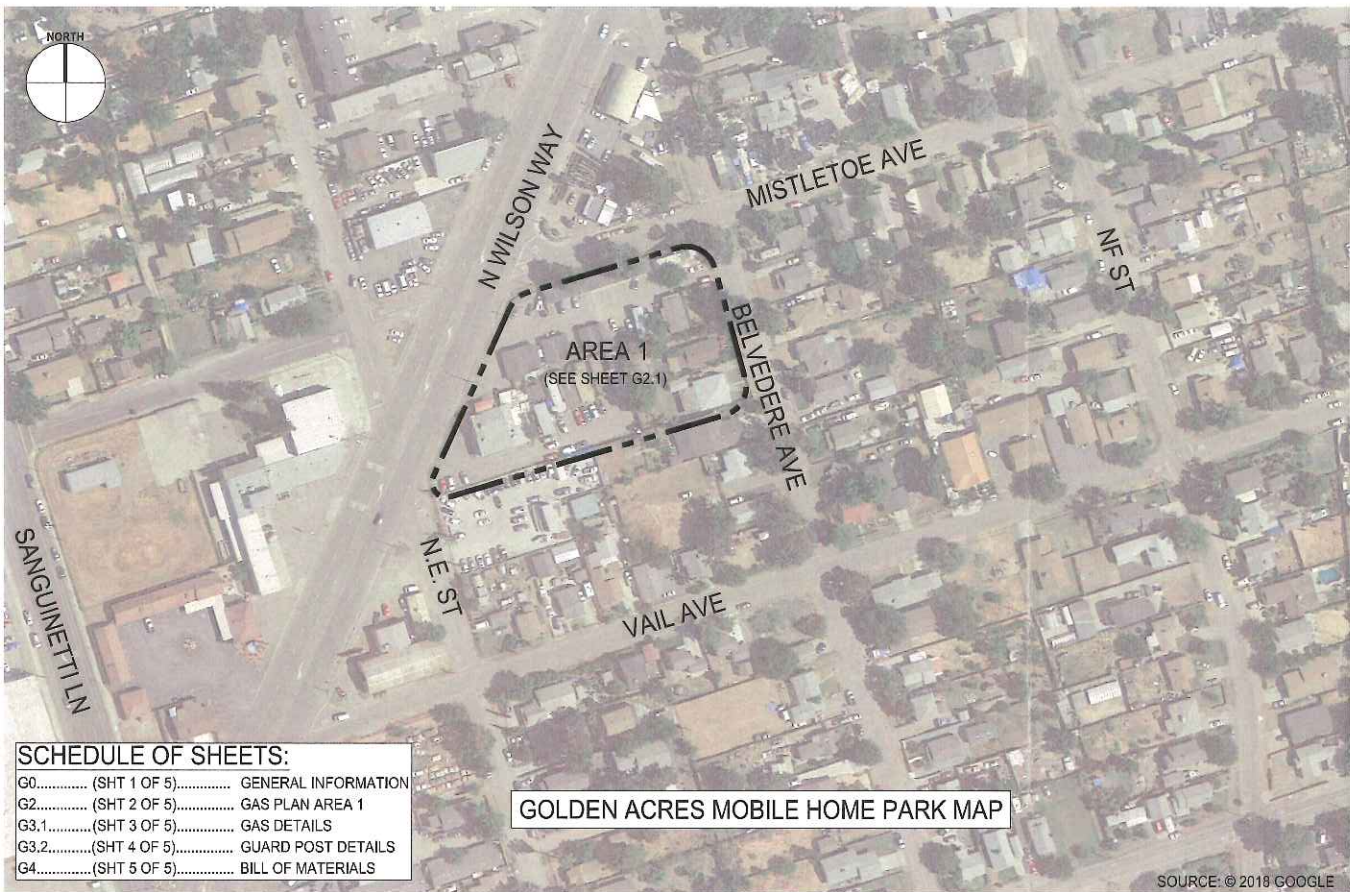
ANNOTATION SYMBOLS:



GAS SYMBOLS:



PARK MAP



SCHEDULE OF SHEETS:

G0..... (SHT 1 OF 5).....	GENERAL INFORMATION
G2..... (SHT 2 OF 5).....	GAS PLAN AREA 1
G3.1..... (SHT 3 OF 5).....	GAS DETAILS
G3.2..... (SHT 4 OF 5).....	GUARD POST DETAILS
G4..... (SHT 5 OF 5).....	BILL OF MATERIALS

NOTES

GAS CONSTRUCTION NOTES:

- WELDING**
ALL WELDING, TIE-INS, CUTTING, AND CAPPING OF STEEL TO BE DONE PER WELDING CONTROL MANUAL TD 4160M & GD5M D-22.
- COATING REMOVAL**
BEFORE REMOVING THE PIPE COATING ON PRE-1972 PIPE (DOES NOT INCLUDE PLASTIC TAPE OR FUSION BONDED EPOXY COATINGS) THE FOLLOWING STEPS SHALL BE TAKEN:
-FOR ALL NON-EMERGENCY WORK, PRE-1972 PIPE WRAP MUST BE EVALUATED TO DETERMINE IF IT CONTAINS ASBESTOS PRIOR TO REMOVAL.
-FOR EMERGENCY WORK ON PRE-1972 PIPE, ASSUME THE WRAP CONTAINS > 1% ASBESTOS UNTIL THE WRAP CAN BE TESTED.
-OBTAIN SAMPLES OF THE WRAP, AND HAVE SAMPLES TESTED FOR ASBESTOS IN ACCORDANCE WITH WP 4711-01.
-TEST RESULTS ARE TO BE INCLUDED WITH AS-BUILTS
-FOLLOW PROCEDURE IN WP 4711-01 FOR REMOVAL OF PIPE WRAP.
- DEACTIVATION OF EXISTING PIPE**
FOR 10" DIAMETER AND LESS MAINS TO BE DEACTIVATED, PURGE PER GD5M A-38, ATTACHMENT B, PROCEDURE 1. AFTER PURGING, CLOSE ALL VALVES AND SEAL ANY OPEN ENDS OF DEACTIVATED PIPE (CUT AND REMOVE 18" MINIMUM SECTION AND CAP ENDS OF DEACTIVATED PIPE.) *CUT-OFF AND DEACTIVATE ALL GAS FACILITIES AS PER TD-9500P-16*
- PLACE ELECTRONIC MARKING SYSTEM (EMS) DEVICES (CODE 37-4944) ON ALL CUT OFF ENDS AND SECTIONALIZING POINTS OF DEACTIVATED PIPE PER UTILITY OPERATIONS UTILITY WORK PROCEDURE TD-9500P-16.**
- REMOVE AND REPLACE TRENCH SPOIL WITH SELECT BACKFILL AS REQUIRED BY PG&E SPECIFICATIONS, AND LOCAL CITY, COUNTY OR STATE REQUIREMENTS. SEE TRENCH SECTIONS ON SHEET CO OF COMPOSITE DRAWING.**
- PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY, OR STATE REQUIREMENTS.**
- MAINTAIN MINIMUM CLEARANCES FROM ALL UTILITIES AS OUTLINED IN UTILITY STANDARD S5453.**
- ALL STEEL CONNECTIONS EXPOSED WILL BE FIELD WRAPPED WITH COLD APPLIED TAPE PER GAS STANDARD E-25.**
- REFER TO GAS STANDARDS A-90 & A-93.1 FOR TYPICAL DIRECT BURIAL PLASTIC GAS MAIN & SERVICE INSTALLATION.**
- REFER TO GAS STANDARDS A-90.2, O-12, O-13, O-13.1, & TD-41815 FOR TYPICAL ANODE & LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC GAS MAIN AND SERVICES.**
- INSTALL WARNING TAPE OVER GAS FACILITIES DURING DIRECT BURIAL INSTALLATION PER DAMAGE PREVENTION VOLUME L-16.**
- REFER TO INDIVIDUAL GAS SERVICE RECORDS REGARDING INSTALLATION OF GAS SERVICES AND METER LOCATIONS. REFER TO SHEET G3.2 FOR METER GUARD POST ARRANGEMENT DETAILS.**
- REFER TO GAS STANDARD A-34 FOR TEST CRITERIA ON GAS MAIN AND SERVICES.**

- ALL PLASTIC MATERIALS SHALL MEET PG&E GD5M A-93, SPEC 250 & 2503.
APPROVED MANUFACTURES:
 - POLYPIPE.....(PLANT CODE = G)
 - PERFORMANCE PIPE.....(PLANT CODE = RN,PR,FF,WT & KV)
 - JM EAGLE.....(PLANT CODE = T)
 - KWH PIPE.....(PLANT CODE = S & H)
- MAINTAIN MINIMUM CLEARANCE FROM FACE OF BUILDING FOUNDATION AS OUTLINED IN PG&E GAS STANDARD A-04 WHENEVER POSSIBLE. WHEN A-04 CANNOT BE MET, PG&E MUST APPROVE VARIANCE PRIOR TO INSTALLATION.

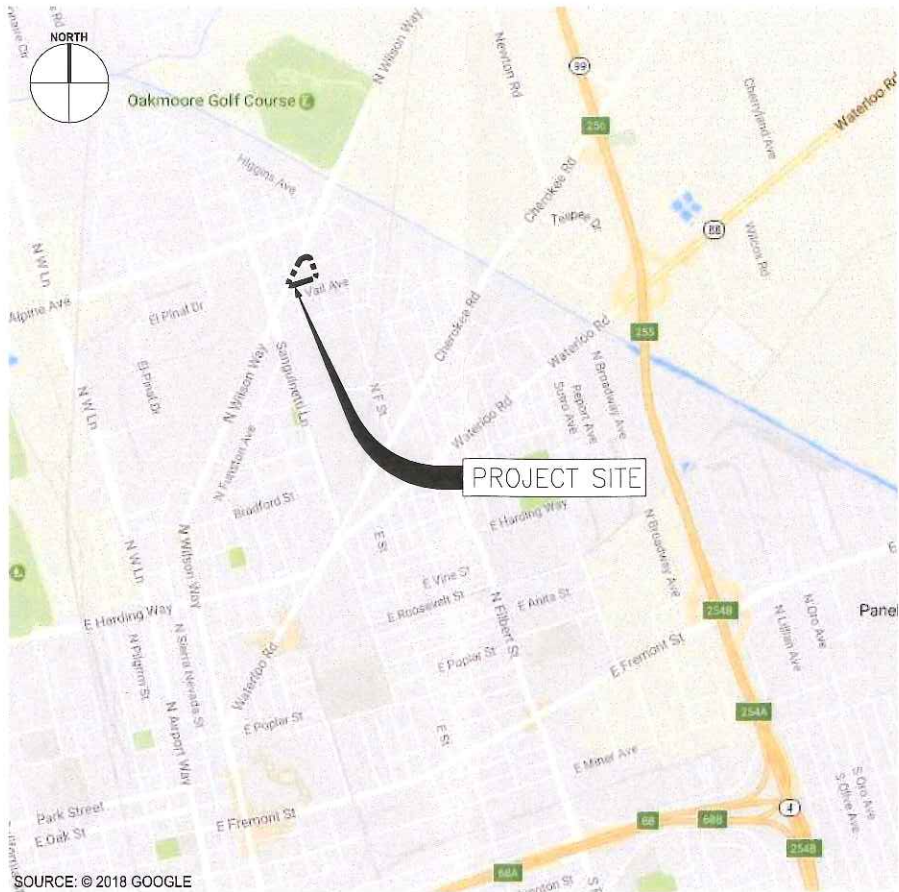
MOBILE HOME SPACES THAT DO NOT MEET A-04:
 - ALL SPACES MEET A-04
- THE LOCATION OF ALL EXISTING OR NEWLY INSTALLED WATER, SEWER, STORM DRAIN, OR OTHER LINES, SHALL BE DETERMINED PRIOR TO THE BEGINNING OF CONSTRUCTION. CALL USA AT "811" 48 HOURS PRIOR TO DIGGING.
- ALL GAS METER LOCATIONS SHALL BE SELECTED PER GD5M J-15.1.
- ALL PURGING OF GAS DISTRIBUTION MAINS AND SERVICES TO BE DONE PER GD5M A-38. IF THE SERVICE HAS AN EFV, THEN FOLLOW THE PURGING INSTRUCTIONS IN GAS STANDARD A-93.3.
- REFER TO UTILITY WORK PROCEDURE WP4170-01 FOR GROUNDING PLASTIC PIPE TO CONTROL STATIC ELECTRICITY.
- PROVIDE BELL HOLES AT ALL TIE-IN LOCATIONS. MINIMUM 4'x4'x1' BELOW EXISTING GAS FACILITIES FOR PLASTIC TIE-IN AND STEEL CUT-OFF, OR 4'x6'x1' BELOW EXISTING GAS FACILITIES FOR STEEL TIE-IN.
- TRENCHLESS CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH UTILITY PROCEDURE TD-4632P-01.
- REFER TO UTILITY PROCEDURE TD-5811P-301 FOR INSTRUCTIONS ON STANDBY REQUIREMENTS.
- PER GAS STANDARD A-90, BEND RADII FOR PLASTIC PIPE SHALL NOT EXCEED THE VALUES IN THE FOLLOWING TABLE:

NOMINAL PIPE SIZE	MIN. BEND RADII
1" CTS	2'-1/4"
2" IPS	5'

JOB SUMMARY:

- INSTALL**
- 2" IPS PLASTIC VALVE AT ENTRANCE TO MOBILE HOME PARK.
 - 2" IPS, PE 2406, SDR 11, GAS MAIN THROUGHOUT MOBILE HOME PARK.
 - 1" CTS, PE 2406, SDR 11.5, GAS SERVICE WITH 1", 800 SERIES, MEDIUM FLOW, EXCESS FLOW VALVE TO EACH MOBILE HOME SPACE.
- DEACTIVATE**
- EXISTING 1/2" (1 1/4") PLASTIC SERVICE TO MOBILE HOME PARK

VICINITY MAP



STAMPS

CONTACT DIRECTORY

ALL FIELD CHANGES TO UTILITIES REQUIRE PRIOR APPROVAL IF NOT EXPRESSLY NOTED ON THESE DRAWINGS.

ROLE	NAME	COMPANY	E-MAIL	TELEPHONE
PROJECT MANAGER	SANDEEP BHATEJA	PG&E	SBB@PG&E.COM	925-459-6144
ESTIMATOR	ROXANA BEHMARAM	CAMPOS EPC	ROXANA.BEHMARAM@CAMPOSEPC.COM	714-392-1982
AGE	LATISHA OLSEN	PG&E	LMO3@PG&E.COM	916-317-0627
SUPERVISOR	GINA STAUFFER	PG&E	VEY1@PG&E.COM	916-472-2296
PLANNER	KENNETH MORSHEAD	PG&E	K3MV@PG&E.COM	209-576-6530
I&R SUPERVISOR	RICK MUOK	PG&E	RSM@PG&E.COM	209-406-7926

ATTENTION FOREMAN
24 HOURS PRIOR TO STARTING JOB
CONSULT AREA CORROSION MECHANIC,
CHAD WARD, AT (209)-769-0639 FOR
LOCATING WIRE INSTALLATION AND
CATHODIC PROTECTION REQUIREMENTS

OPERATING DATA

PM NUMBER: 31168290
PLAT MAP: 3005-A3
CATHODIC PROTECTION AREA NUMBER: N/A
THERM BILLING AREA NUMBER: X-02
EMERGENCY ZONE: 16-ST-07-B
MAOP: 60 PSIG
NOP: 54 PSIG

INSTALLATION TESTED OR INSPECTED AND NOTED ON DRAWING.
ALL CORROSION LEVELS SATISFACTORY PER PG&E GAS UTILITY STANDARD TD-41815.

QUALIFIED EMPLOYEE **DATE**
CORROSION MECHANIC'S SIGNATURE IS REQUIRED WHEN A CPA BOUNDARY IS WITHIN THE SCOPE OF THE PROJECT.



U.S.A. TICKET INFORMATION
DATE CALLED _____
TICKET NO. _____
BY _____
CALL: 811 TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

NO.	DATE	DESCRIPTION
0	04/18/2018	INITIAL DESIGN
1	05/03/2018	INITIAL DESIGN
1	05/07/2018	ISSUED FOR CONSTRUCTION



DO NOT SCALE THIS DRAWING. USE DIMENSIONS ONLY. ORIGINAL DRAWING SIZE 22"x34"

DESIGN BY: PE	DRAWN BY: PE
CHECKED BY: JT	APPROVED BY: JK
PROJECT NO. 2201513963	



GENERAL INFORMATION

GOLDEN ACRES MOBILE HOME PARK
3022 N WILSON WAY
STOCKTON, CA

REV	SHEET NUMBER	SHEET	PILOT NO.	GAS ORDER NO.	HEAD NO.
A	GO	1 of 5	P-10091	31168290	39-0053-MP

NOTE TO CONSTRUCTION:
EASEMENT HAS BEEN OBTAINED TO
TRENCH TO ADJACENT PROPERTY
WEST OF PARK PROPERTY



THE-10 TO EX.
2" PL MAIN

AL

G3.1

4
G3.1

63.1

8 G3.1

U.S.A. TICKET INFORMATION
DATE CALLED _____
TICKET NO. _____
BY _____
CALL: 811 TWO WORKING DAYS BEFORE YOU

11

PLASTIC PIPE DATA			
TEST AT 100-110 PSI FOR MINIMUM OF 5 MIN.			
PRESSURE	DURATION	INITIALS	DATE OF TEST

BOM#	111	VALVE SIZE	2"
TECH ID (VALVE #)	V-601		
VALVE TYPE	PLASTIC BALL VALVE		
MANUFACTURER	KEROTEST		

BOM#	111	VALVE SIZE	2"
TECH ID (VALVE #)	V-600	VALVE TYPE	PLASTIC BALL VALVE
MANUFACTURER	KEROTEST		

Month	Number of People
January	10
February	15
March	20
April	25
May	30
June	35
July	40
August	35
September	30
October	25
November	20
December	15



A circular professional seal for a Registered Professional Engineer. The text "REGISTERED PROFESSIONAL ENGINEER" is written around the top half of the circle. In the center, the name "JONATHAN C. KOSTER" is written. To the left of the name, the registration number "M37957" is displayed vertically. The seal is crossed out with a large blue 'X'.

REVISIONS		
NO.	DESCRIPTION	DATE
0	INITIAL DESIGN	04/18/2018
1	INITIAL DESIGN	05/03/2018
A	ISSUED FOR CONSTRUCTION	05/07/2018

GO

EN
NUMBER
-1

STC 3022
SHEET 5 of 5

AF

1

PAR
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9-00533
4


140 C.A.

DATE 07/20

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0202

SIZE

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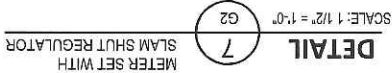
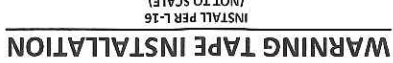
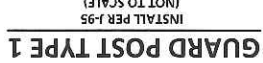
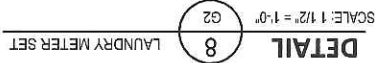
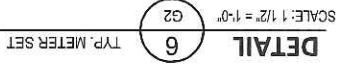
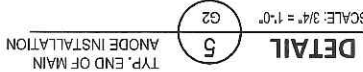
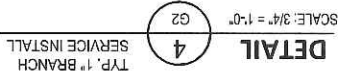
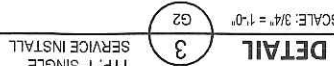
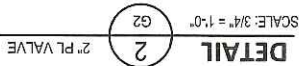
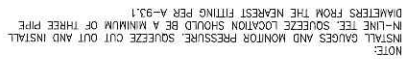
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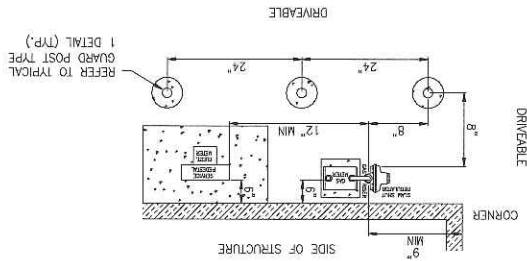
OPERATING DATA



GAS DETAILS									
GOLDEN ACRES MOBILE HOME PARK									
3022 N WILSON WAY STOCKTON, CA									
REV	SHEET NUMBER	SHEET	PROJ. NO.	GAS ORDER NO.	HOLD NO.				
A	G3.1	3 of 5	P.10091	3.1189290	39-0053-MP				
						DO NOT SCALE THIS DRAWING. USE DIMENSIONS ONLY. ORIGINAL DRAWING SITE: 22-K46			
						1401 Buile Street, Danvers, CO 80202 (970) 326-9600			
									
						DATE 05/07/2018			
						DRAWN BY: PJ			
						DESIGN BY: RJ			
						CHECKED BY: JC			
						APPROVED BY: -			
						PROJECT NO. 2301519863			
									
									
REVISIONS									
NO.	DESCRIPTION				DATE				
0	INITIAL DESIGN				04/18/2018				
1	FINAL DESIGN				05/03/2018				
A	ISSUED FOR CONSTRUCTION				05/07/2018				

[illegible]

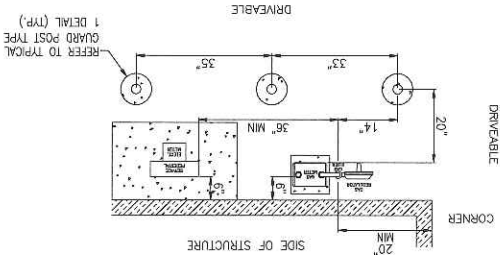
GUARD POST ARRANGEMENT STANDARD (R2)



NOTE: PER J-15.1, REGULATOR VENT MUST BE
INSTALLED 12" MIN RADIALY FROM ANY OPENINGS
INTO THE STRUCTURE WHERE GAS COULD POTENTIALLY
ACCUMULATE.

[illegible]

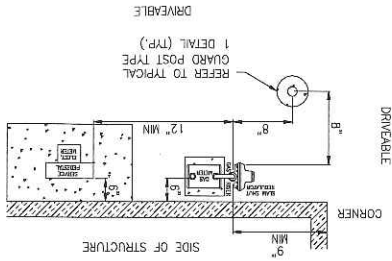
GUARD POST ARRANGEMENT STANDARD (R)



NOTE: PER J-15.1, REGULATOR VENT MUST BE
INSTALLED 18" MIN RADIIALLY FROM ANY OPENINGS
INTO THE STRUCTURE WHERE GAS COULD POTENTIALLY
ACCUMULATE.

[illegible]

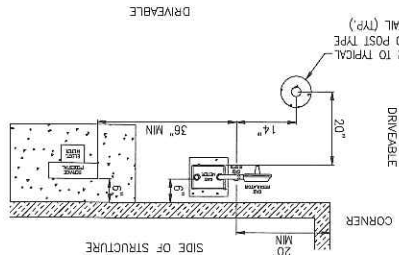
GUARD POST ARRANGEMENT STANDARD (R3)



NOTE: PER J-15.1, REGULATOR VENT MUST BE
INSTALLED 12" MIN RADIALY FROM ANY OPENINGS
INTO THE STRUCTURE WHERE GAS COULD POTENTIALLY
ACCUMULATE.

[illegible]

GUARD POST ARRANGEMENT STANDARD (R1)



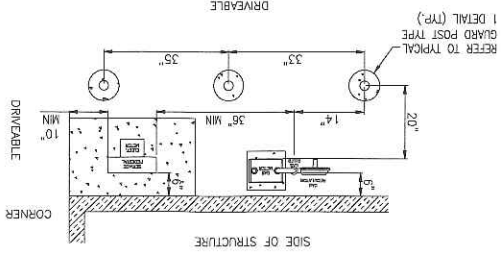
NOTE: PER J-15.1, REGULATOR VENT MUST BE
INSTALLED 18" MIN RADially FROM ANY OPENINGS
INTO THE STRUCTURE WHERE GAS COULD POTENTIALLY
ACCUMULATE.

[illegible]

NO GUARD POST REQUIRED AT SPACES

[illegible]

GUARD POST ARRANGEMENT STANDARD (1)



NOTE: PER J-15.1, REGULATOR VENT MUST BE
INSTALLED 18" MIN RADially FROM ANY OPENINGS
INTO THE STRUCTURE WHERE GAS COULD POTENTIALLY
ACCUMULATE.

OPERATING DATA

U.S.A. TICKET INFORMATION
DATE CALLED _____
TICKET NO. _____
BY _____
CALL: 811 TWO WORKING DAYS BEFORE YOU DIG

REV	SHEET NUMBER	SHEET	PLOT NO.	Q&S ORDER NO.	ACID NO.
A	C3.2	4 of 5	P1. 10031	311602230	38-0053-4MP



CAMPOS | EPC

1401 Blake Street, Denver, CO 80202
(303) 533-3345

DATE 05/07/2018

DO NOT SCALE THIS
DRAWING. USE DIMENSIONS
ONLY. ORIGINAL DRAWING:
SIZE 22"x34"

DRAWN BY:	PB
DESIGN BY:	RB
CHECKED BY:	YT
APPROVED BY:	JK

PROJECT NO. 2501513963



REVISED		NO.	DATE
0	INITIAL DESIGN	04-/18/2018	
1	INITIAL DESIGN	05/03/2018	
A	ISSUED FOR CONSTRUCTION	05/07/2018	

BILL OF MATERIALS				
Item	Number	Description	PG&E Material Code	PG&E Standard
Gas Main Materials				
100	Pipe, 2" IPS, PE 2406, SDR 11		M016079	A-93
432				Fl.
101	Locating Wire, AWG #10 Copper Wire, HMWPE (500 Ft Reel)		M294455	A-90.2
102	Split Sleeve Connectors, Nicopress KT1-102-D, Line Size 10 AWG, Tap Size 10 AWG, Kit, Includes Sealing Compound		M301333	O-12
103	Anode, 5 lb Zinc, Pre-packaged		M569145	O-13.1
104	Purge Cap Assembly, 2" IPS, Socket Fusion		M020578	B-90.2
105	Constab Fitting, Blind End Coupling, 1/2" CTS		M021032	B-91.1
106	Tape, Warning, 6" Wide x 1000' "CAUTION GAS LINE BURIED BELOW"		M379947	L-16
107	Electrical Tape, PVC		M384095	A-90.2
108	Valve Cover, Cast Iron, with Marking "PG&E GAS"		M043225	K-41
109	Valve Box Body, Concrete, Christy G-5 Street Installation		M043271	K-41
110	Valve Body Extension (Additional As Needed)		M016063	K-41
111	Valve, Plastic, 2" IPS, Fusion End		M033459	F-90
112	Electronic Marker, 4" Diameter		M374944	M-60
113	Coupling, 2" IPS, PE 2406, Socket Fusion		M029574	B-90
Gas Service Materials				
200	Pipe, 1" CTS, PE 2406, SDR 11.5		M016083	A-93
327				Fl.
201	Excess Flow Valve, Perfection Medium Flow Series 800, 1" CTS		M022917	A-93.3
202	Locating Wire, AWG #10 Copper Wire, HMWPE (500 Ft Reel)		M294465	A-90.2
203	Split Sleeve Connectors, Nicopress KT1-102-D, Line Size 10 AWG, Tap Size 10 AWG, Kit, Includes Sealing Compound		M301333	O-12
204	Riser, 3/4" X 1" IPS, Threaded Prefabricated		M041062	A-91
205	Tapting Tee, Saddle Fusion with Socket Fusion Outlet, 2" IPS x 1" CTS		M029784	B-90.2
206	Constab Fitting, Coupling, 1" CTS		M021021	B-91.1
207	Regulator, Iron B42R IRV 3/4" x 3/4"		M032093	H-60.4
208	Gas Meter with SmartMeter Module		M31932	J-11
209	Elbow, Standard NPT, 3/4"		M020250	B-12
210	Bend, 90° Pipe, 3/4"		M041423	B-30
211	Swivel, Female #1A x 3/4"		M041433	J-50
212	Swivel, Male Straight, #1A x 3/4"		M041426	J-50
213	Nut, Swivel, #1A		M040099	J-50
214	Washer, Swivel, #1A		M040160	J-50.2
215	Tee, Standard NPT, 3/4"		M020902	B-14
216	Plug, Standard NPT, 3/4"		M020774	B-10.1
217	Nipple, Standard NPT, 3/4" x Length to Suit		-	B-13
218	Nipple, Standard NPT, 3/4" x 3"		M023554	B-13
219	Single-Bend Loop Meter Connection Kit, #1A Connection Size, without Regulator		M040140	B-16
220	Concrete Pad, 12" x 12" x 3" Thick		M043481	-
221	Pipe, 2" Dia, Schedule 40, Galvanized, 56" Long		M150117	J-95
222	Visibility Strip, Flexible 2" x 12"		M013163	J-95
223	End Cap, 2" Galvanized		M020107	B-13
224	Constab Fitting, 3-Way Tee, 1" CTS		M021145	B-91.1
225	Branch Service Marker, 3/16" Bronze Rod, Alroco#27		M159064	A-42
226	Regulator, Pietro Fiorentini FE 25 3/4"		M038465	H-100
Gas Tie-In Materials				
300	Pipe, 2" IPS, PE 2406, SDR 11, 0.216" wt.		M016079	A-93
2				Fl.
301	Tee, 2" IPS, PE 2406, Socket Fusion		M029766	B-90
302	Coupling, 2" IPS, Electrofusion, IPEX-Friatec		M021635	B-90.3
303	Tapting Tee, Innogaz, Standard, 2" IPS x 1/2" CTS (With Barcode Label)		M035608	B-90.3
304	Cap, 1/2" CTS, PE 2406, Socket Fusion		M029769	B-90
Gas Cut Off Materials				
400	Constab Fitting, Blind End Coupling, 1/2" CTS		M021032	B-91.1
1				Fl.
401	Electronic Marker 4" Dia.		M374944	M-60

OPERATING DATA	
PM NUMBER: 3116290	PLAT MAP: 3005-A3
CATHODIC PROTECTION AREA NUMBER: N/A	THEM BILLING AREA NUMBER: X-02
EMERGENCY ZONE: 16-ST-07-B	MAOP: 60 PSIG
NOP: 54 PSIG	

U.S.A. TICKET INFORMATION
DATE CALLED
TICKET NO.
BY
CALL: 811 TWO WORKING DAYS BEFORE YOU DIG

REV

A

SHEET NUMBER

5 of 5

PROJ. NO.

P.10091

GAS ORDER NO.

3116290

HCD NO.

38-0053-JP

3022 N WILSON WAY

STOCKTON, CA

DATE

05/07/2018

DO NOT SCALE THIS DRAWING. USE DIMENSIONS ONLY. ORIGINAL DRAWING SIZE 22"x34"

DRAWN BY: PJB

CHECKED BY: YTB

APPROVED BY: JKB

PROJECT NO. 2401513963

REGISTERED PROFESSIONAL ENGINEER

M37987

05/07/2018

MECHANICAL

STOCKTON, CA

PG&E

REVISIONS

NO.	DESCRIPTION	DATE
0	INITIAL DESIGN	04/19/2018
1	INITIAL DESIGN	05/03/2018
A	ISSUED FOR CONSTRUCTION	05/07/2018

BILL OF MATERIALS

GOLDEN ACRES MOBILE HOME PARK

CAMPOS | EPC

1401 Blake Street, Denver, CO 80202

(303) 823-3465

mph	feet	Cones Spacing - feet		
SPEED	TAPER	SIGN SPACING	TAPER	TANGENT
25	125'	100'	25'	50'
30	180'		30'	60'
35	245'		35'	70'
40	320'	250'	40'	80'
45	540'		45'	90'
50	600'	350'	50'	100'

Shifting(1/2taper) Shoulder(1/3taper)



NOT TO SCALE

HOURS OF WORK SHALL BE DETERMINED BY THE CITY OF STOCKTON

For TCP questions call
City Rise Services @
209-400-7075

See **SPEC SHEET 2** for additional
traffic control stipulations.

Pedestrian and Bicycle Access
to remain **open at all times.**

Traffic plan per CA MUTCD
SIGNS BEING USED

-  48X48" W4-2R
-  48X48" W20-5R
-  48X48" C30 (CA)
-  48X48" W20-1
-  48X48" W1-4
-  36X48" R4-7a



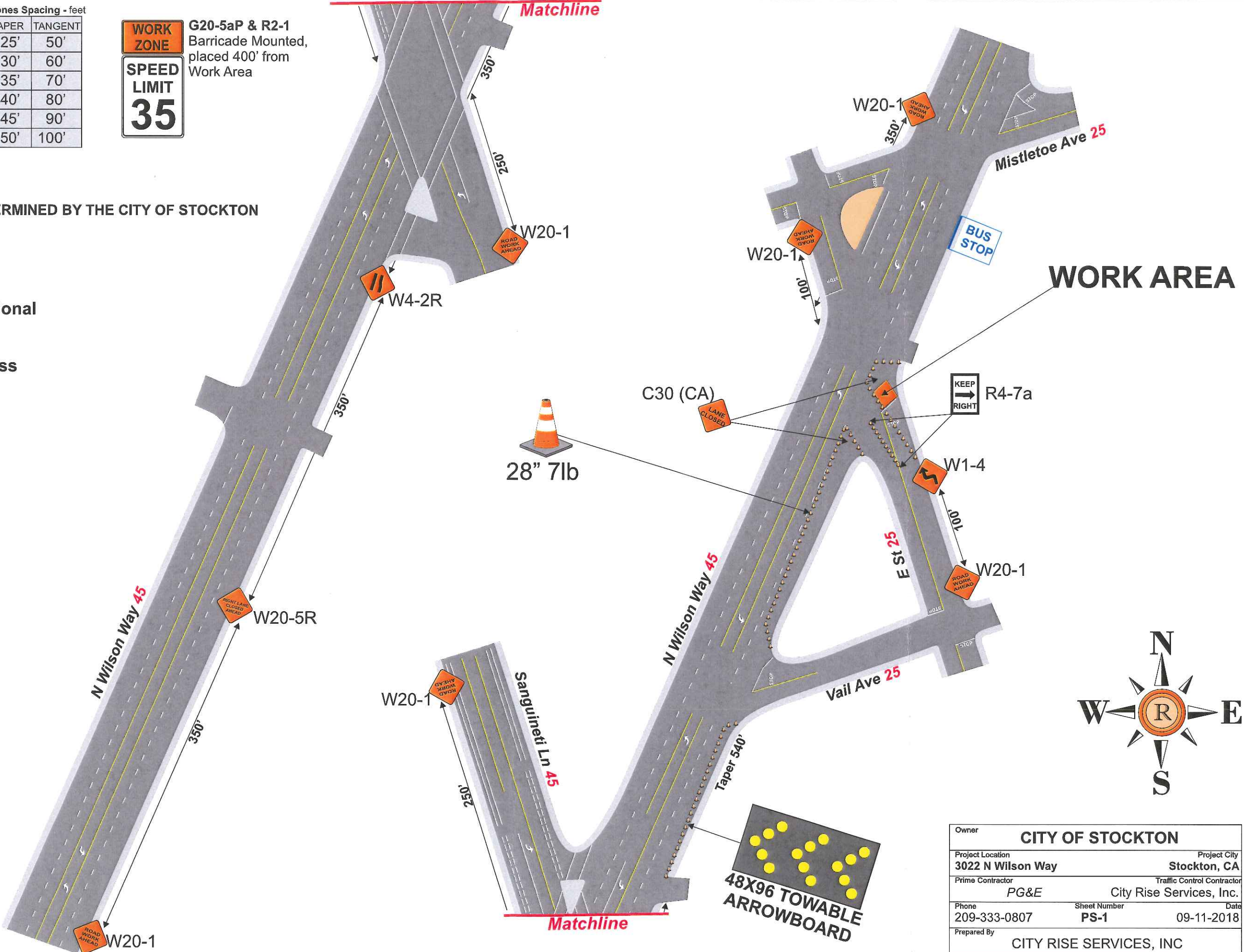
R30 24X24" Barricade
mounted, placed on the
street 20' apart at least
24hrs prior to the start
of work.

TOW-AWAY
ZONE

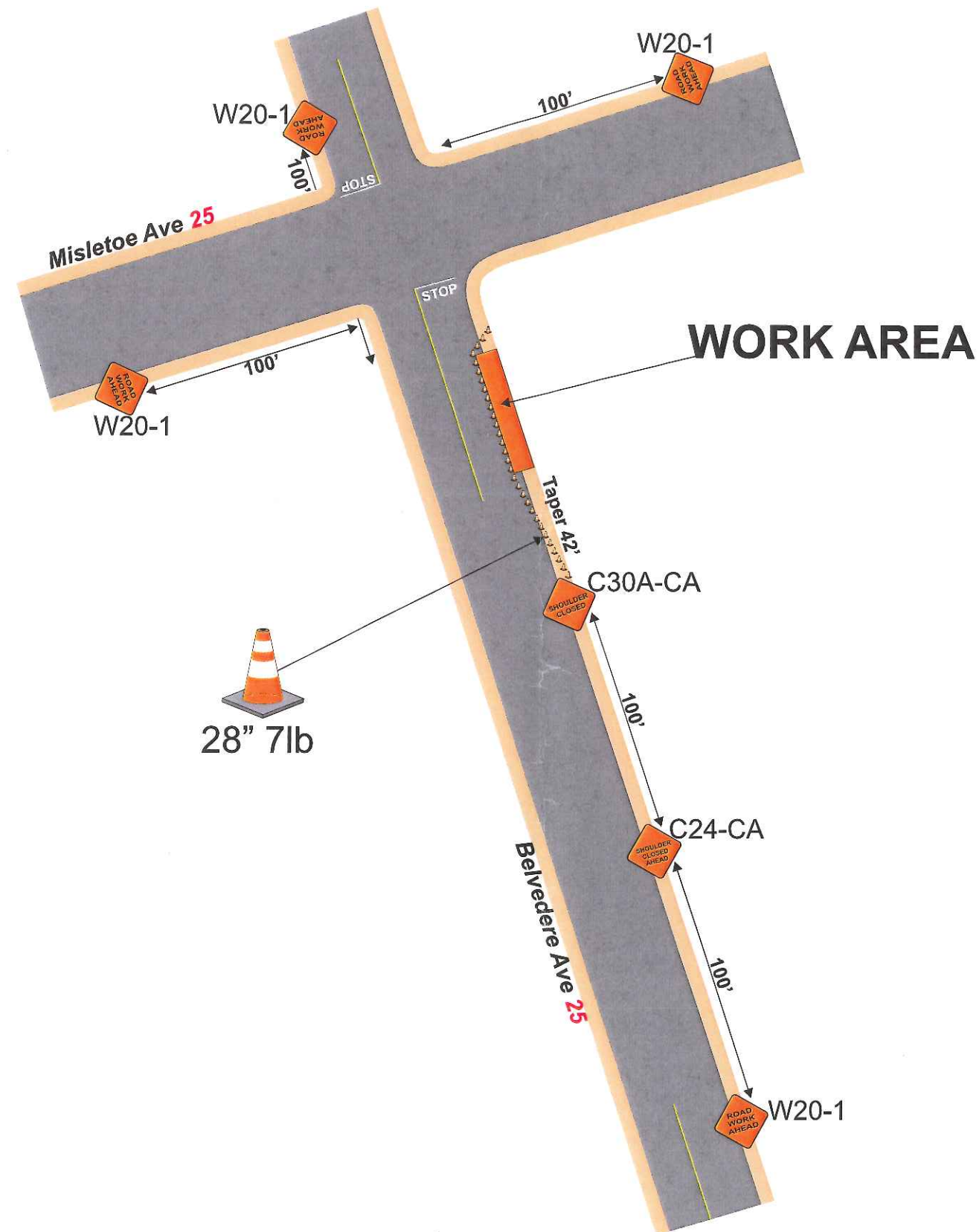
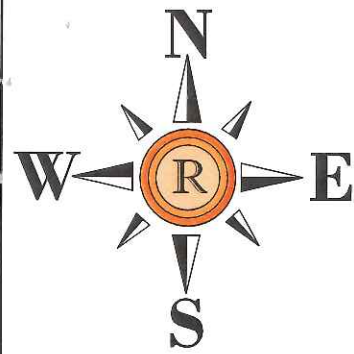
DATE:
TIME:



G20-5aP & R2-1
Barricade Mounted,
placed 400' from
Work Area






Owner		CITY OF STOCKTON	
Project Location	3022 N Wilson Way	Project City	Stockton, CA
Prime Contractor	PG&E	Traffic Control Contractor	City Rise Services, Inc.
Phone	209-333-0807	Sheet Number	PS-1
Prepared By	CITY RISE SERVICES, INC		
		Date	09-11-2018



➔

mph	feet		Cones Spacing - feet		
SPEED	TAPER	SIGN SPACING	TAPER	TANGENT	
25	125'	100'	25'	50'	
30	180'		250'	30'	60'
35	245'			35'	70'
40	320'	40'		80'	
45	540	350'	45'	90'	
50	600'		50'	100'	
Shifting(1/2taper)		Shoulder(1/3taper)			

SIGNS BEING USED

-  48X48" C30A-CA
-  48X48" C24-CA
-  48X48" W20-1



R30 24X24" Barricade mounted, placed on the street 20' apart at least 24hrs prior to the start of work.

For TCP questions call
City Rise Services @
209-400-7075

See **SPEC SHEET 2** for additional
traffic control stipulations.

Pedestrian and Bicycle Access
to remain **open at all times**.

Traffic plan per CA MUTCD

NOT TO SCALE

HOURS OF WORK SHALL BE DETERMINED BY THE CITY OF STOCKTON

Owner		CITY OF STOCKTON	
Project Location		Project City	
3022 N Wilson Way		Stockton, CA	
Prime Contractor		Traffic Control Contractor	
PG&E		City Rise Services, Inc.	
Phone		Sheet Number	Date
209-333-0807		PS-2	09-11-2018
Prepared By		CITY RISE SERVICES, INC	