

INDEX OF SHEETS

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1	TITLE SHEET
2	AT&T AND COMCAST QUANTITY TABLES
3-6	AT&T AND COMCAST PLANS AND DETAILS
7-10	PG&E PLANS AND DETAILS

DEPARTMENT OF TRANSPORTATION  
COUNTY OF EL DORADO, CA

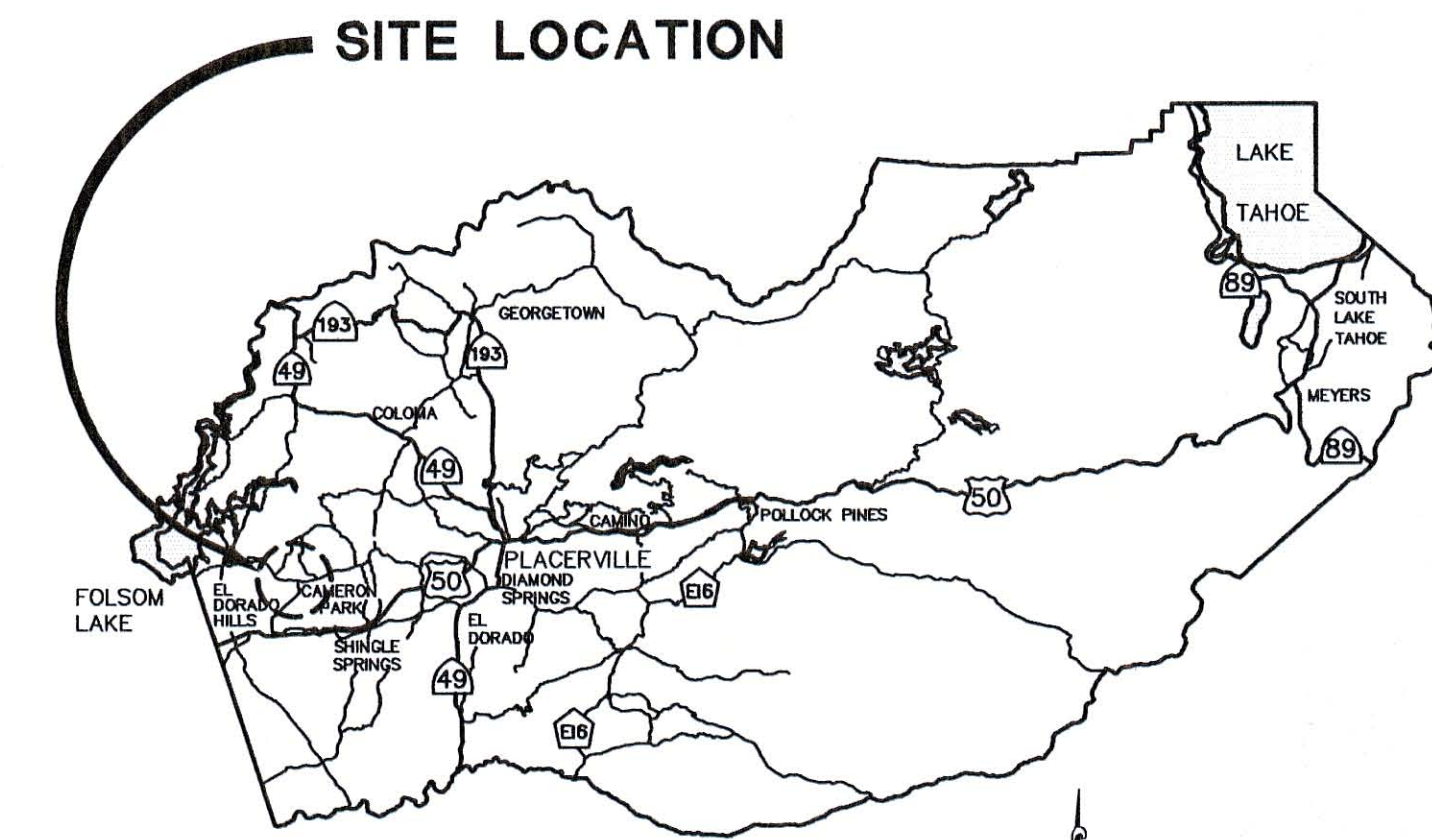
PROJECT PLANS FOR THE CONSTRUCTION OF  
**JOINT TRENCH COMPOSITE DRAWING**  
**SILVER SPRINGS UNIT #1**

IN THE COUNTY OF EL DORADO, DISTRICT 1  
ON SILVER SPRINGS PARKWAY SOUTH OF THE INTERSECTION WITH GREEN VALLEY RD

To be supplemented with Standard Plans and Specifications dated May 2006,  
including the amendments to the May 2006 Standard Specifications, of the  
California Department of Transportation, unless otherwise noted.

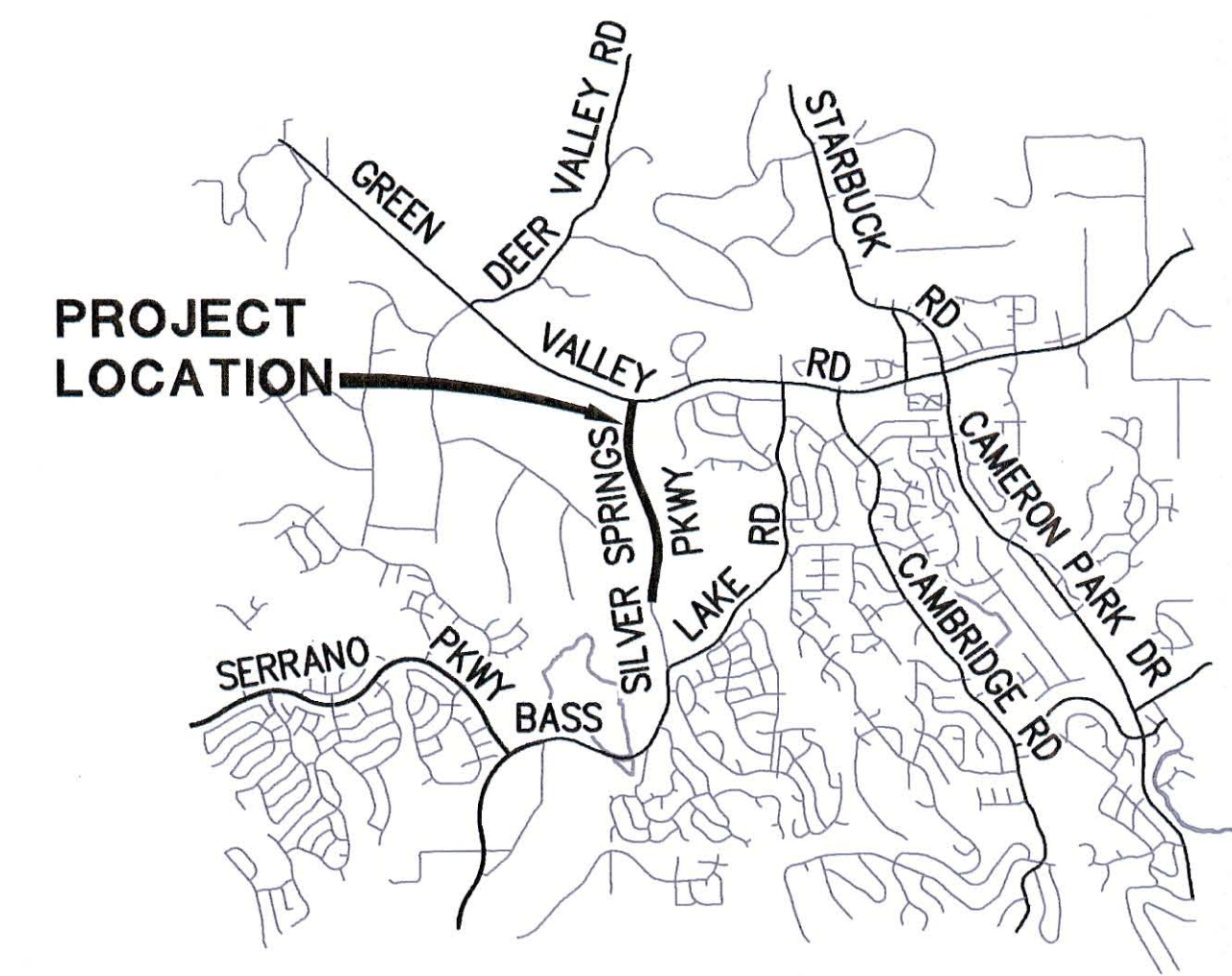


SITE PLAN  
NTS



SITE LOCATION

VICINITY MAP  
COUNTY OF EL DORADO



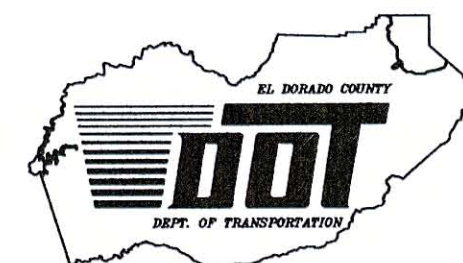
PROJECT LOCATION

LOCATION MAP  
NOT TO SCALE

CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans. If the Contractor possesses a Class A license instead of the equivalent combination of Classes required by the categories and type of work included in the Contract Documents and Plans, then the Contractor or a subcontractor must also possess a CLASS C27 "Landscaping Contractor" license. Failure of the successful Bidder to obtain proper and adequate licensing at the time bids are submitted shall constitute a failure to execute the Contract, and forfeiture as provided under that section.

REVISIONS

MARK	DATE	BY




**BOARD OF SUPERVISORS**

RON MIKULACO	I
RAYMOND J. NUTTING	II
BRIAN VEERKAMP	III
RON V. BRIGGS	IV
NORMA SANTIAGO	V

**COUNTY OF EL DORADO  
DEPARTMENT OF  
TRANSPORTATION**

(530) 621-5900  
2850 FAIRLANE CT  
PLACERVILLE, CA  
95667

APPROVED BY:   
RON V. BRIGGS  
CHIEF, EL DORADO COUNTY BOARD OF SUPERVISORS

DATE: 5-14-13  
Board date 4-30-13

APPROVAL:  
MATTHEW D. SMELTZER P.E. NO. C056832  
COUNTY ENGINEER, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

DATE: 5/1/13

PW NO. 09-30470  
TO BE BUILT W/ PROJECT NO. 66106 & 66107

**JOINT TRENCH COMPOSITE  
DRAWING**

**SILVER SPRINGS UNIT #1  
TITLE SHEET**

SHEET 1 OF 10



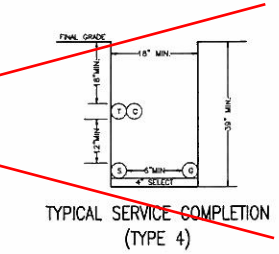
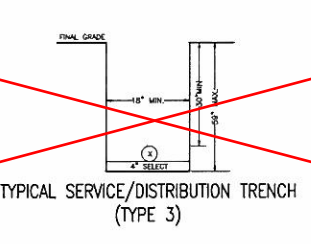
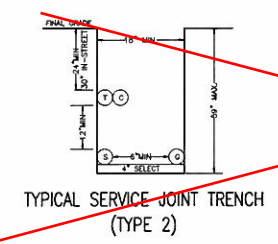
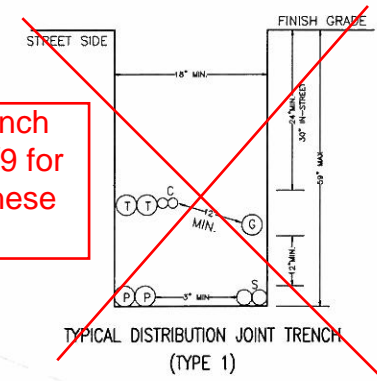
See Joint Trench Plan Sheet 6/9 for revisions to these details.

NOT TO SCALE

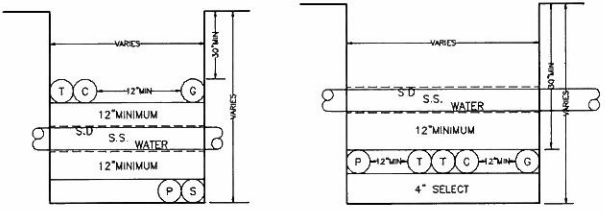
**MINIMUM SEPARATION AND CLEARANCE REQUIREMENTS**

	G	T	T	D	S	P
G (GAS)	12"	12"	12"	6"	12"	12"
T (TELEPHONE) DUCT	12"	12"	12"	12"	12"	12"
T (TELEPHONE) DIRECT BURY	12"	12"	12"	12"	12"	12"
C (CATV)	12"	12"	12"	12"	12"	12"
S (ELECTRIC SECONDARY)	6"	12"	12"	12"	3"	12"
P (ELECTRIC PRIMARY)	12"	12"	12"	12"	3"	12"
SL (STREETLIGHT)	6"	12"	12"	12"	1"	3"

24" MIN COVER (30" IN STREET AREA) - FROM FINAL GRADE  
REFER TO JOINT TRENCH CONFIGURATIONS & OCCUPANCY GUIDE S5453 EXHIBIT B (DATED 07-29-03) FOR SPECIFIC NOTES & DEFINITIONS (COVER, BACKFILL, SHADING & BEDDING)



LEGEND:  
P - PRIMARY ELECTRIC  
S - SECONDARY ELECTRIC  
T - TELEPHONE  
G - GAS  
C - CABLE



**LEGEND**

INSTALL	EXISTING	DESCRIPTION
2		17"x30"x26" ELEC. SEX. BOX
3		24"x36" ELEC. BOX
5		3'x5'x3'6" ELEC. PRIM. BOX
7		4.5'x8.5' MAIN LINE FEEDER BOX
PMH4		38" X 43" PMH-4 PAD
▲		PRIM. ELEC. TRANSFORMER PAD (W/RETAINING STRUCTURE, AS REQUIRED)
T		12" AT&T TELEPHONE PEDESTAL
T1		48" X 78" AT&T TELEPHONE SPLICE BOX
T2		12" X 8" BASEMENT (F REQD.) RT PAD SA/PWR/PED
C		7"X10" H ROUND CATV TAP-SPLITTER PEDESTAL
C2		12" ROUND FLUSH CATV SERVICE DROP VAULT
C3		32"x36" PAD W/CATV METERED POWER PEDESTAL
☼		PRIVATE STREET LIGHT
⊙		GAS METER LOCATION
⊙		GAS SERVICE STUB
		DRIVEWAY

TYPICAL 100' ROAD SECTION SILVER SPRINGS PARKWAY  
SCALE: N.T.S.

**USA NOTIFICATION**  
CALL USA 48 HOURS PRIOR TO TRENCHING DIAL 811  
NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_  
TICKET # \_\_\_\_\_

**COORDINATE WATER AND SEWER SERVICE PLACEMENT**  
ENSURE WATER AND SEWER SERVICE STRUCTURES ARE PLACED A MINIMUM OF 1' INTO THE PROPERTY AND 3' EDGE TO EDGE FROM ANY DRY UTILITY STRUCTURE TO AVOID CONFLICTS WITH THE JOINT TRENCH IN THE R.W. AND UTILITY STRUCTURES IN THE P.L.T.

REFER ALSO TO CIVIL IMPROVEMENT PLANS

TYPICAL 50' ROAD SECTION FOXMORE LANE, PRYOR DRIVE, PRYOR COURT, BRIDGER DRIVE, & MENA COURT T.I.=6.0  
SCALE: N.T.S.

TYPICAL 50' ROAD SECTION FOXMORE LANE  
SCALE: N.T.S.

PG&E pole has been set.

POLE TO BE SET, INSTALL RISER AND TIE TO EX. PG&E BOX. EX. RISER AND DUCT TO BE ABANDON. (FOR M0100030065)

STUB: 3-2" & 2-0" ELECTRIC DUCTS  
2-4" AT&T DUCTS  
1-8" GAS PIPE  
2-2" COMCAST DUCT

STATION 193+65  
POLE TO BE SET, INSTALL RISER FOR TRAFFIC SIGNAL SERVICE & TIE TO #2 BOX. (FOR PMH30559784)

INSTALL #2 BOX FOR TRAFFIC SIGNAL, CONSULT PG&E INSPECTOR FOR EXACT LOCATION (SIGNALS NOT SHOWN, REFER TO SIGNAL PLANS)

PG&E pole has been set. See 66106 pln sht 14, TS-1 for PG&E service connection

STUB: 3-2" ELECTRIC DUCTS  
2-4" AT&T DUCTS  
1-8" GAS PIPE  
2-2" COMCAST DUCT

SEE SHEET 2 OF 5  
SEE SHEET 3 OF 5

BASEMAP PROVIDED BY:  
STANTEC  
(916) 569-2592

ALPINE DESIGN CORP.  
3007 "T" STREET  
SACRAMENTO, CA 95816  
OFFICE: 1-916-361-3935  
FAX: 1-916-361-3946

JOINT TRENCH COMPOSITE DRAWING  
SILVER SPRINGS UNIT #1

DRAWN BY: CN  
DESIGN BY: CN  
CHECKED BY: WRN  
DATE: 1/16/08  
SCALE: NOT TO SCALE

**UTILITY CONTACT PERSON**

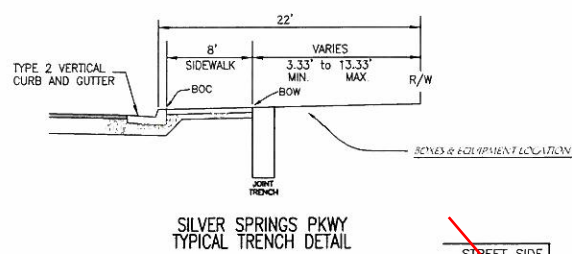
UTILITY	ENGINEER	PHONE NO.
ELEC.	JIM TORKELSON (ALPINE DESIGN)	916-361-3935
TEL.	JERRY SHAMBRE (AT&T TEL.)	530-621-6946
GAS	W.R. NORMAN (ALPINE DESIGN)	916-361-3935
CATV	KIP MILLER (COMCAST CABLE)	916-830-6758
CIVIL	CARIANN E. OLIVER, PE (STANTEC)	916-569-2592
DEV.	BILL SCOTT (SILVER SPRINGS, LLC)	949-586-2066

**REVISIONS**

NO	DESCRIPTION	DATE	BY
1	REVISED PER PG&E 1ST PLAN CHECKED	04/09/07	CN
2	EARTH WORKS VOLUMES FOR PG&E REVIEW	1/16/08	KK
3	MINOR EDITS TO NOTES FOR BID CLARIFICATION	12/6/10	WRN
PER EDITS FROM ELDERADO COUNTY			
4	INSTALL CROSSINGS/SERVICE	1/10/11	
5	For PG&E gas and electrical see pln sheets 6 to 9	1/25/12	

SHEET 2 OF 5

SEE SHEET 2 OF 5  
SEE SHEET 3 OF 5



See Joint Trench Plan Sheet 6/9 for revisions to these details.

COORDINATE WATER AND SEWER SERVICE PLACEMENT. ENSURE WATER AND SEWER SERVICE STRUCTURES ARE PLACED TO A MINIMUM OF 1' INTO THE PROPERTY AND 1' EDGE TO EDGE FROM ANY DRY UTILITY STRUCTURE TO AVOID CONFLICTS WITH THE JOINT TRENCH IN THE R/W AND UTILITY STRUCTURES IN THE P.C.E.

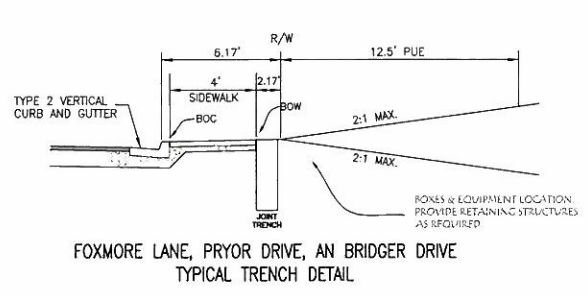
LEGEND

- | INSTALL | EXISTING | DESCRIPTION  |
|---------|----------|--|
| ---     | ---      | JOINT TRENCH CENTER LINE   |
| ---     | ---      | SERVICE TRENCH CENTER LINE                                       |
| ---     | ---      | TELEPHONE ONLY TRENCH CENTER LINE                                |
| ---     | ---      | CATV ONLY TRENCH CENTER LINE                                     |
| ---     | ---      | ELECTRIC ONLY TRENCH CENTER LINE                                 |
| ---     | ---      | GAS ONLY TRENCH CENTER LINE                                      |
| 2       |          | 17"x30"x26"D ELEC. SEX. BOX                                      |
| 3       |          | 24"x36" ELEC. BOX  |
| 5       |          | 3'x5'x3'6"D ELEC. PRIM. BOX                                      |
| 7       |          | 4.5'x8.5' MAIN LINE FEEDER BOX                                   |
| ▲       |          | PRIM. ELEC. TRANSFORMER PAD (W/RETAINING STRUCTURE, AS REQUIRED) |
| T       |          | 12" AT&T TELEPHONE PEDESTAL                                      |
| T1      |          | 48" X 78" AT&T TELEPHONE SPLICE BOX                              |
| T2      |          | 12" X 8" EASEMENT (IF REQ'D.) RT PAD SAI PWR.FED                 |
| C1      |          | 7'DX10"H ROUND CATV TAP-SPLITTER PEDESTAL                        |
| C2      |          | 12" ROUND FLUSH CATV SERVICE DROP VAULT                          |
| C3      |          | 32"x36" PAD W/CATV METERED POWER PEDESTAL                        |
| ☼       |          | PRIVATE STREET LIGHT   |
| ⊙       |          | GAS METER LOCATION   |
| ---     |          | GAS SERVICE STUB   |
| ---     |          | DRIVEWAY   |

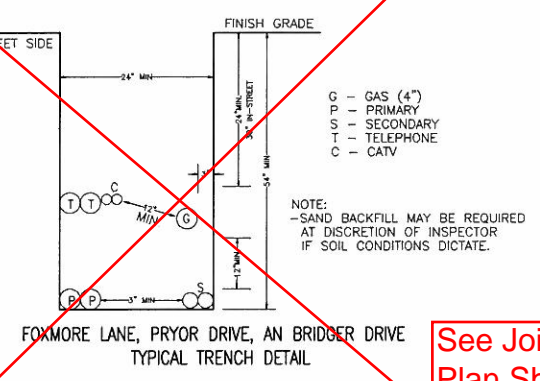
NOTE: SAND BACKFILL MAY BE REQUIRED AT DISCRETION OF INSPECTOR IF SOIL CONDITIONS DICTATE.

NOT TO SCALE

STUB: 3-2" ELECTRIC DUCTS  
1-2" GAS PIPE



See Joint Trench Plan Sheet 6/9 for revisions to these details.



BASEMAP PROVIDED BY:  
STANTEC  
(916) 569-2592

STUB: 3-2" ELECTRIC DUCTS  
2-4" AT&T DUCTS  
1-2" GAS PIPE

SEE SEE 3 OF 5  
SEE PAGE 4 OF 5

ALPINE DESIGN CORP.  
3007 "T" STREET  
SACRAMENTO, CA 95816  
OFFICE: 1-916-361-3935  
FAX: 1-916-361-3946

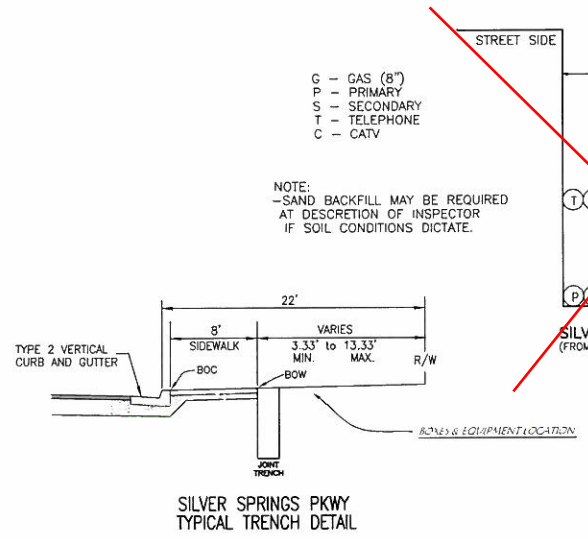
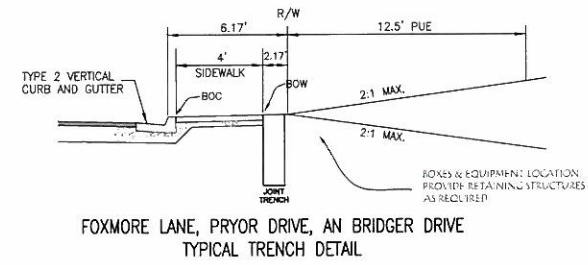
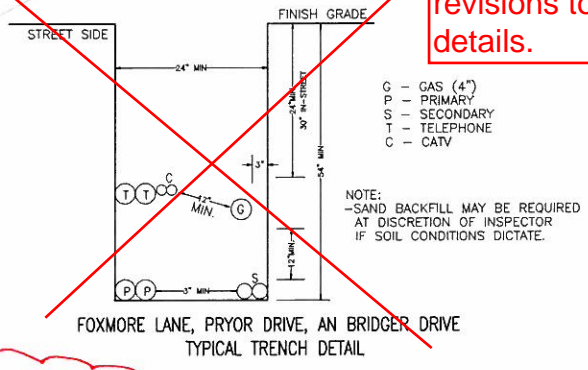
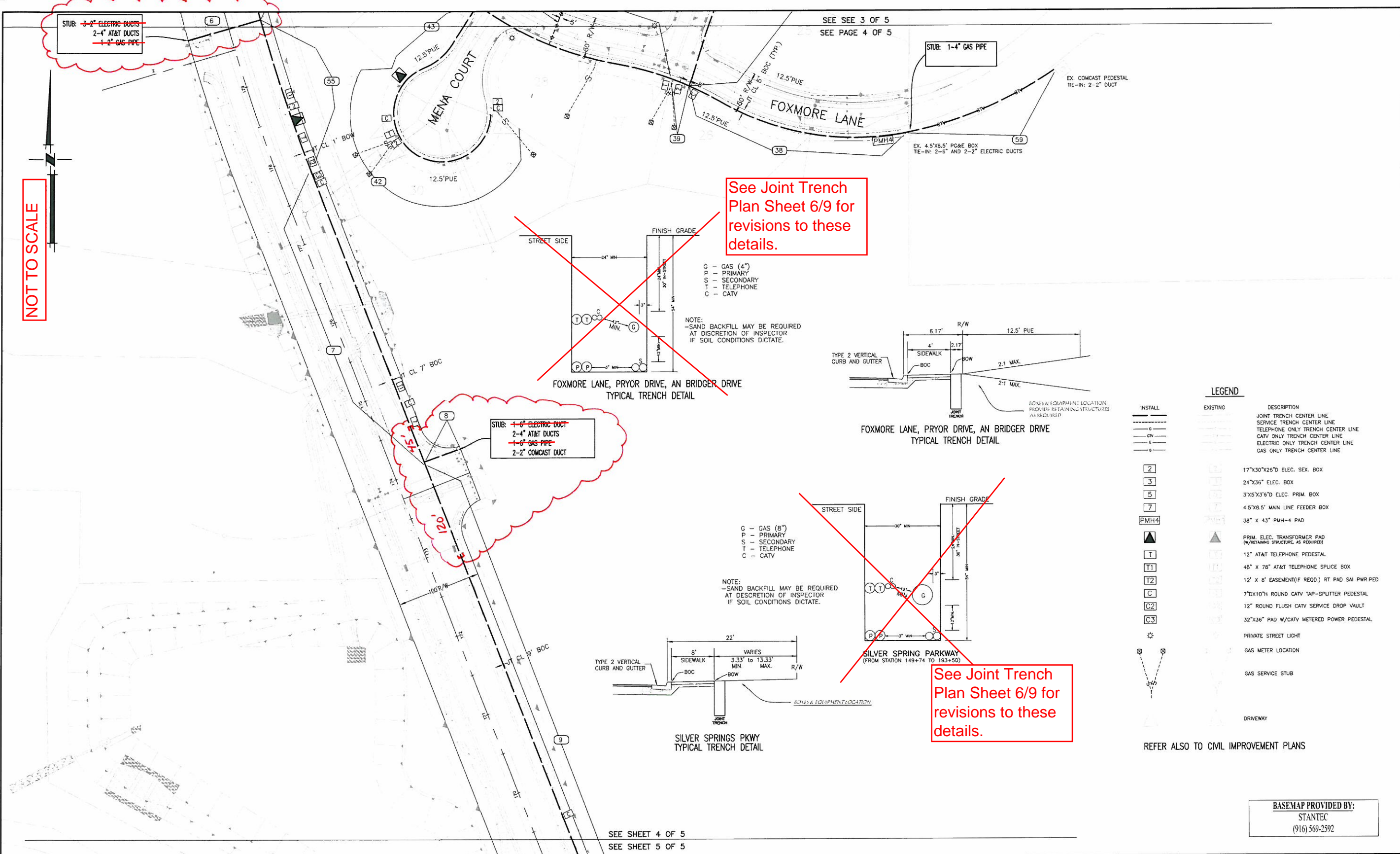
JOINT TRENCH COMPOSITE DRAWING  
SILVER SPRINGS UNIT #1

DRAWN BY: CN  
DESIGN BY: CN  
CHECKED BY: WRN  
DATE: 1/16/08  
SCALE: NOT TO SCALE

UTILITY	ENGINEER	PHONE NO:
ELEC.	JIM TORKELSON (ALPINE DESIGN)	916-361-3935
TEL.	JERRY SHAMBRE (AT&T TEL.)	530-621-6946
GAS	W.R. NORMAN (ALPINE DESIGN)	916-361-3935
CATV	KIP MILLER (COMCAST CABLE)	916-830-6758
CIVIL	CARIANN E. OLIVER, PE (STANTEC)	916-569-2592
DEV.	BILL SCOTT (SILVER SPRINGS, LLC)	949-586-2066

NO	DESCRIPTION	DATE	BY
1	REVISED PER PG&E IST PLAN CHECKED	04/09/07	CN
2	EARTH WORKS VOLUMES FOR PG&E REVIEW	1/16/08	KK
3	MINOR EDITS TO NOTES FOR BID CLARIFICATION	12/6/10	WRN
PER EDITS FROM EL DorADO COUNTY			
4	INSTALL CROSSINGS ONLY	1/18/11	
5	For PG&E gas and electrical see pln sheets 6 to 9	1/25/12	

SHEET 3 OF 5  
4  
10



**LEGEND**

INSTALL	EXISTING	DESCRIPTION
---	---	JOINT TRENCH CENTER LINE
---	---	SERVICE TRENCH CENTER LINE
---	---	TELEPHONE ONLY TRENCH CENTER LINE
---	---	CATV ONLY TRENCH CENTER LINE
---	---	ELECTRIC ONLY TRENCH CENTER LINE
---	---	GAS ONLY TRENCH CENTER LINE
[2]	[2]	17"x30"x26"D ELEC. SEX. BOX
[3]	[3]	24"x36" ELEC. BOX
[5]	[5]	3"x5"x3'6"D ELEC. PRIM. BOX
[7]	[7]	4.5"x8.5' MAIN LINE FEEDER BOX
[PMH4]	[PMH4]	38" X 43" PMH-4 PAD
[▲]	[▲]	PRIM. ELEC. TRANSFORMER PAD (W/RETAINING STRUCTURE AS REQUIRED)
[T]	[T]	12" AT&T TELEPHONE PEDESTAL
[T1]	[T1]	48" X 78" AT&T TELEPHONE SPLICE BOX
[T2]	[T2]	12' X 8' EASEMENT(F. RECD.) RT PAD SAI PWR PED
[C]	[C]	7"DX10"TH ROUND CATV TAP-SPLITTER PEDESTAL
[C2]	[C2]	12" ROUND FLUSH CATV SERVICE DROP VAULT
[C3]	[C3]	32"x36" PAD W/CATV METERED POWER PEDESTAL
[*]	[*]	PRIVATE STREET LIGHT
[*]	[*]	GAS METER LOCATION
[V]	[V]	GAS SERVICE STUB
[D]	[D]	DRIVEWAY

REFER ALSO TO CIVIL IMPROVEMENT PLANS

BASEMAP PROVIDED BY:  
STANTEC  
(916) 569-2592

SEE SHEET 4 OF 5  
SEE SHEET 5 OF 5

ALPINE DESIGN CORP.  
3007 "T" STREET  
SACRAMENTO, CA 95816  
OFFICE: 1-916-361-3935  
FAX: 1-916-361-3946

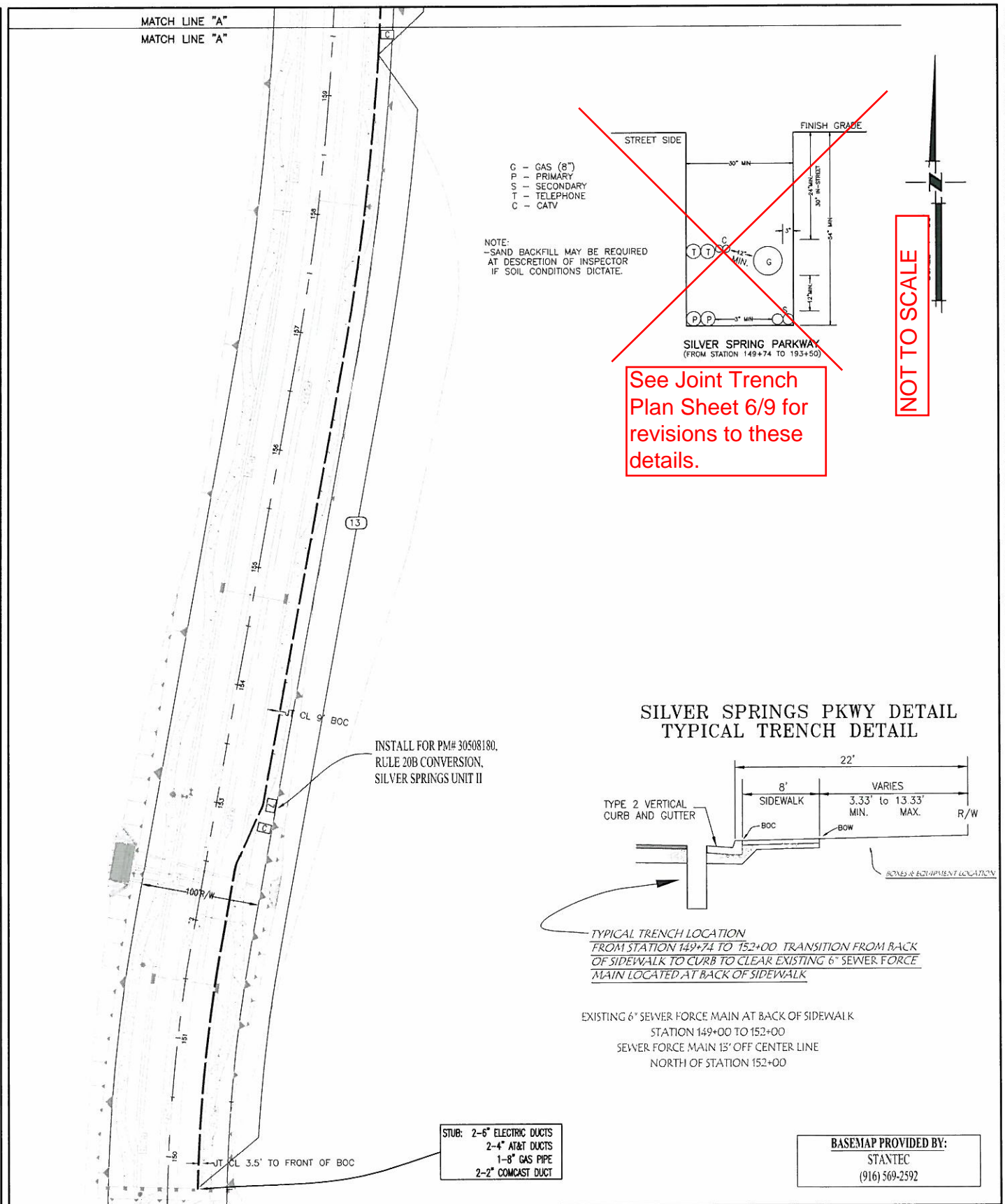
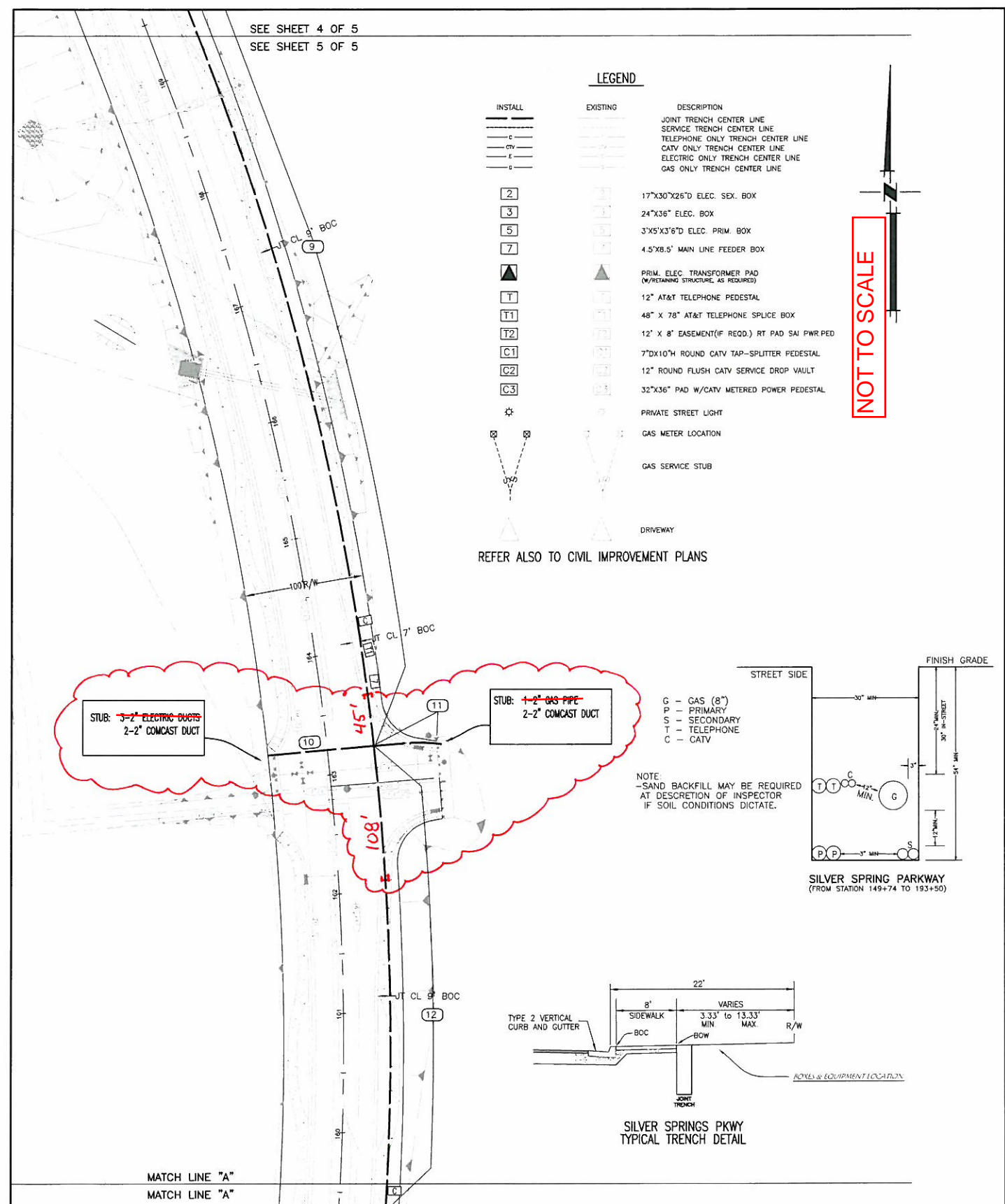
JOINT TRENCH COMPOSITE DRAWING  
SILVER SPRINGS UNIT #1

DRAWN BY: CN  
DESIGN BY: CN  
CHECKED BY: WRN  
DATE: 1/16/08  
SCALE: **NOT TO SCALE**

UTILITY	ENGINEER	PHONE NO.
ELEC.	JIM TORKELSON (ALPINE DESIGN)	916-361-3935
TEL.	JERRY SHAMBRE (AT&T TEL.)	530-621-6946
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DEV.	BILL SCOTT (SILVER SPRINGS, LLC)	949-586-2066

NO	DESCRIPTION	DATE	BY
1	REVISED PER PG&E 1ST PLAN CHECKED	04/09/07	CN
2	EARTH WORKS VOLUMES FOR PG&E REVIEW	1/16/08	KK
3	MINOR EDITS TO NOTES FOR BID CLARIFICATION PER EDITS FROM EL DorADO COUNTY	12/6/10	WRN
4	<b>INSTALL CROSSINGS ONLY</b>	<b>1/18/11</b>	
5	For PG&E gas and electrical see pln sheets 6 to 9	1/25/12	

SHEET 5 OF 10



**ALPINE DESIGN CORP.**  
 3007 "T" STREET  
 SACRAMENTO, CA 95816  
 OFFICE: 1-916-361-3935  
 FAX: 1-916-361-3946

JOINT TRENCH COMPOSITE DRAWING  
**SILVER SPRINGS UNIT #1**

DRAWN BY: CN  
 DESIGN BY: CN  
 CHECKED BY: WRN  
 DATE: 1/16/08  
 SCALE: **NOT TO SCALE**

UTILITY CONTACT PERSON		
UTILITY	ENGINEER	PHONE NO:
ELEC.	JIM TORKELSON (ALPINE DESIGN)	916-361-3935
TEL.	JERRY SHAMBRE (AT&T TEL.)	530-621-6946
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REVISIONS			
NO	DESCRIPTION	DATE	BY:
1	REVISED PER PG&E 1ST PLAN CHECKED	04/09/07	CN
2	EARTH WORKS VOLUMES FOR PG&E REVIEW	1/16/08	KK
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5	For PG&E gas and electrical see pln sheets 6 to 9	1/25/12	

SHEET  
 6  
 OF  
 10

BASEMAP PROVIDED BY:  
 STANTEC  
 (916) 569-2592

# "Joint Trench Composite Drawing Silver Springs Unit #1"

El Dorado County, CA

## LEGEND

- PROPOSED
- PROPOSED GAS MAIN (JT)
  - PROPOSED IN-LINE TEE
  - PROPOSED REDUCER COUPLING
  - PROPOSED MAIN CAP
  - PROPOSED ETS STATION IN VF&C
  - PROPOSED END OF MAIN MARKER BALL
  - ⊕ PROPOSED SLB ZINC ANODE

## CONTRACTOR CONSTRUCTION REFERENCES

- REFER TO NUMBERED DOCUMENTS A-90 & A-91 FOR TYPICAL DIRECT BURIAL PLASTIC GAS MAIN AND SERVICE INSTALLATION.
- REFER TO NUMBERED DOCUMENTS A-90.1 & A-91.2 FOR TYPICAL PLASTIC GAS MAIN AND SERVICE INSERT CONSTRUCTION.
- REFER TO NUMBERED DOCUMENTS A-90.2 & A-90.3 FOR TYPICAL ANODE AND LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC GAS MAIN AND SERVICES.
- REFER TO NUMBERED DOCUMENTS A-91.3 & A-91.4 FOR TYPICAL GAS SERVICE RISER INSTALLATION.
- REFER TO NUMBERED DOCUMENT A-34 FOR TEST CRITERIA ON GAS MAIN AND SERVICES.
- PACIFIC GAS AND ELECTRIC TO PERFORM ALL HOT TIE-INS AND PURGING OF GAS PIPING PER NUMBERED DOCUMENT A-38.
- CONTRACTOR IS RESPONSIBLE FOR CROSSING EXISTING WATER, SEWER AND STORM DRAIN LINES, EITHER UNDER OR OVER, AS REQUIRED TO MEET PG&E COVER AND CLEARANCE REQUIREMENTS. REFER TO STANDARD PRACTICE 463-4.
- THE LOCATION OF ALL EXISTING OR NEWLY INSTALLED WATER, SEWER, AND STORM DRAIN OR OTHER LINES, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT RELY ON PG&E TO LOCATE FACILITIES. (PG&E WILL LOCATE PG&E FACILITIES UPON PROPER USA NOTIFICATION). CALL USA AT (800) 227-2600.
- THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE TRENCH SPOIL WITH 100% SELECT BACKFILL AS REQUIRED BY PG&E SPECIFICATIONS, AND ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
- THE CONTRACTOR WILL BE REQUIRED TO PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.

## JOB NOTES:

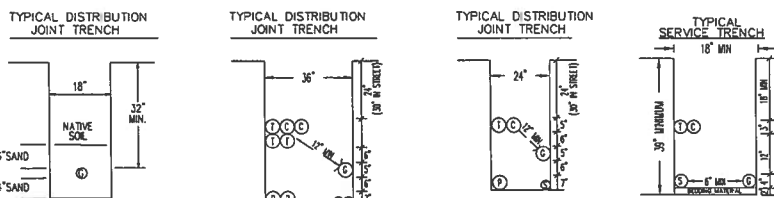
- INSTALL : 604' - OF 2"HP PL. GAS MAIN (JT)  
 : 69' - OF 4"HP PL. GAS MAIN (JT)  
 : 67' - OF 6"HP PL. GAS MAIN (JT)  
 : 280' - OF 8"HP PL. GAS MAIN (JT)  
 : (16) - TYPE G ETS STATIONS  
 : (16) - SLB ZINC ANODES

- PG&E TO DO ALL HOT TIE-IN WORK.
- PG&E TO PERFORM TRENCH INSPECTION. DEVELOPER TO CONFORM TO PG&E INSPECTOR REQUIREMENTS.
- DEVELOPER TO DO ALL TRENCHING AND BACKFILL.
- SAND IMPORT REQUIRED. 4" SAND BED, SHADING AND COVERAGE REQUIRED FOR ALL TRENCH SECTIONS. SEE TRENCH PROFILE DRAWING DETAILS.
- OPTION #2 - JOINT TRENCH BY APPLICANT.
  - GAS FACILITIES TO BE INSTALLED BY APPLICANT.
- TRENCHING AGENT TO MAINTAIN A MINIMUM 5' HORIZONTAL SEPARATION BETWEEN PG&E FACILITIES AND ALL MET FACILITIES.
- TRENCHING AGENT TO PROVIDE A BELL HOLE AT ALL PG&E TIE-IN LOCATIONS MINIMUM 4'X 4' 12" BELOW EXISTING GAS FACILITIES.
- ALL PLASTIC MAINS TO BE TESTED TO MINIMUM TEST PRESSURE AFTER TEST, REDUCE AIR PRESSURE TO 60 PSIG AND LEAVE PRESSURIZED.
- INSTALL A TYPE G ETS STATION A SLB ZINC ANODE IN A FULL TRAFFIC VALVE FRAME AND COVER AT EACH GAS MAIN DEAD END. RUN WRES INTO ETS STATION FOR LOCATING. THE LOCATING WRES.

## INSPECTION NOTES

- ALL CONDUITS SHALL BE PROVEN FREE OF DIRT, CAPPED AND MARKED.
- A 3/4" POLYESTER PULL TAPE SHALL BE INSTALLED IN EACH PG&E ELECTRIC CONDUIT.
- ALL SERVICE CONDUITS TO EXTEND FROM MAIN LINE TRENCH TO 5' INSIDE PROPERTY LINE. ALL OTHER CONDUITS TO CLEAR SIDEWALK AT RADIUS.
- ALL TRENCHES AND CONDUITS MUST BE INSPECTED AND APPROVED BY A PG&E INSPECTOR. NOTIFY: INSP. DEPT. 48 HOURS IN ADVANCE. PHONE: (916) 781-3130
- A 3" WIDE PLASTIC MARKING TAPE LABELED: "GAS LINE IN CONDUIT" SHALL BE INSTALLED WITH EACH GAS CONDUIT.
- DEVELOPER TO PROVIDE ALL ON-SITE AND OFF-SITE TRENCHING PER PG&E SPECIFICATIONS.
- DEVELOPER TO STAKE LOT LINES AT PROP. CORNER.

Utility Approval  
 Date: 01/04/2012  
 Signature: [Signature]



## MINIMUM COVER AND CLEARANCES

	G	T	C	S	P	COVER
GAS	-	6"	6"	12"	24"	24"
TELE.	6"	-	0"	0"	12"	24"
CATV	6"	0"	-	0"	12"	18"
ELEC. SEC.	12"	0"	0"	-	6"	24"
ELEC. PRI.	12"	12"	12"	6"	-	30"

ATTENTION TRENCHING AGENT  
 FOR TRENCHING & GAS FACILITIES ONLY  
 ADDITIONAL FACILITIES MAY BE REQUIRED. SEE ELECTRIC, TELEPHONE, & CATV CONSTRUCTION BRADINGS

CATHODIC PROTECTION IN WORK AREA  
 ATTENTION FOREMAN:  
 NOTIFY THE CORROSION DEPT. AT 530-863-0999, 24 HOURS PRIOR TO START OF WORK.

## NOTIFIED U.S.A.

DATE: \_\_\_\_\_  
 TICKET # \_\_\_\_\_  
 BY: \_\_\_\_\_

INSTALL DIRECT BURIAL PLASTIC MAINS & SERVICES PER NUMBERED DOCUMENTS A90-A90.2, A93-A93.1 & WP4170-03 WP4170-04, WP4170-05, WP4170-06, WP4170-07 & WP4170-08. INSTALL PLASTIC MAIN & SERVICE INSERT PER NUMBERED DOCUMENTS A90.1-A90.3, A91.2-A93.1 & WP4170-03 WP4170-04, WP4170-05, WP4170-06, WP4170-07 & WP4170-08.

PROJECT CONDITIONS STAMP

Type(s) of Work:

- New Business
- PG&E Maintenance & Construction

Project Conditions:

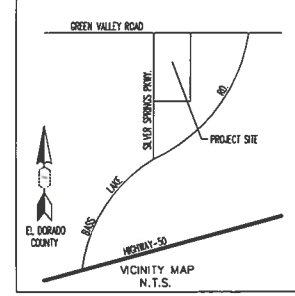
- NONE APPARENT (if project design changes, contact A/E)
- CONDITIONS APPLY:
- PERMITS
- TAILBOARD
- OTHER

(Provide additional information on the below)

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

WM 2471-E7, F7, F8  
 CPA 15-E001  
 TBA H04

CONSTRUCTION SKETCH  
 INSTALL DISTRIBUTION MAIN (JT)  
 SILVER SPRINGS UNIT #1  
 SILVER SPRINGS PKWY., EL DORADO HILLS



NO.	DATE	DESCRIPTION

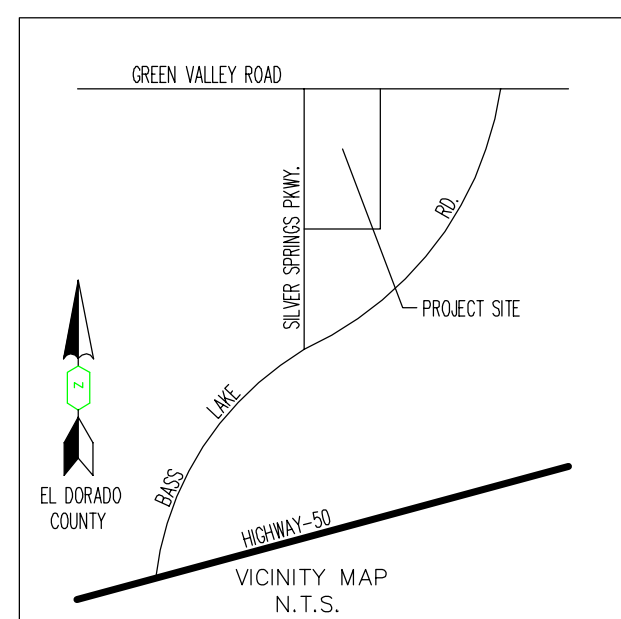
EST: BRUCE AWERY  
 A/E: RICH RAUJON  
 SUPV: MARY NEPPER  
 REP: JENNIFER DONOVAN  
 PLNR: LEO STEWART  
 SCALE: NONE  
 ORDER # 127454 SUPPLY APVD BY

ENGINEERING AND PLANNING DEPT.  
 333 SACRAMENTO ST.  
 AUBURN, CA. 95603  
 PHONE #530-889-3297 FAX #530-989-3297  
 P&E: PACIFIC GAS AND ELECTRIC COMPANY

CO: \_\_\_\_\_  
 SD: \_\_\_\_\_  
 NOTIFY: 05/47520  
 OTHER: 7 OF 10  
 SHEETS: 6-34-41  
 REV. 30873564

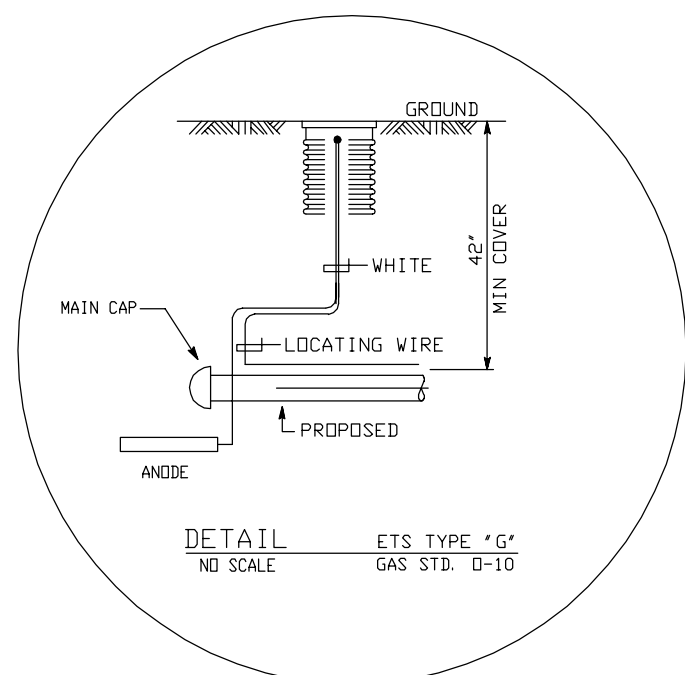
# "Joint Trench Composite Drawing Silver Springs Unit #1"

## El Dorado County, CA



### CONTRACTOR CONSTRUCTION REFERENCES

1. REFER TO NUMBERED DOCUMENTS A-90 & A-91 FOR TYPICAL DIRECT BURIAL PLASTIC GAS MAIN AND SERVICE INSTALLATION.
2. REFER TO NUMBERED DOCUMENTS A-90.1 & A-91.2 FOR TYPICAL PLASTIC GAS MAIN AND SERVICE INSERT CONSTRUCTION.
3. REFER TO NUMBERED DOCUMENTS A-90.2 & A-90.3 FOR TYPICAL ANODE AND LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC GAS MAIN AND SERVICES.
4. REFER TO NUMBERED DOCUMENTS A-91.3 & A-91.4 FOR TYPICAL GAS SERVICE RISER INSTALLATION.
5. REFER TO NUMBERED DOCUMENT A-34 FOR TEST CRITERIA ON GAS MAIN AND SERVICES.
6. PACIFIC GAS AND ELECTRIC TO PERFORM ALL HOT TIE-INS AND PURGING OF GAS PIPING PER NUMBERED DOCUMENT A-38.
7. CONTRACTOR IS RESPONSIBLE FOR CROSSING EXISTING WATER, SEWER AND STORM DRAIN LINES, EITHER UNDER OR OVER, AS REQUIRED TO MEET PG&E COVER AND CLEARANCE REQUIREMENTS. REFER TO STANDARD PRACTICE 463-4.
8. THE LOCATION OF ALL EXISTING OR NEWLY INSTALLED WATER, SEWER, AND STORM DRAIN OR OTHER LINES, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT RELY ON PG&E TO LOCATE FACILITIES. (PG&E WILL LOCATE PG&E FACILITIES UPON PROPER USA NOTIFICATION). CALL USA AT (800) 227-2800.
9. THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE TRENCH SPOIL WITH 100% SELECT BACKFILL AS REQUIRED BY PG&E SPECIFICATIONS, AND ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
10. THE CONTRACTOR WILL BE REQUIRED TO PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.



### LEGEND

- PROPOSED**
- PROPOSED GAS MAIN (JT)
  - PROPOSED IN-LINE TEE
  - PROPOSED REDUCER COUPLING
  - PROPOSED MAIN CAP
  - PROPOSED ETS STATION IN VF&C
  - PROPOSED END OF MAIN MARKER BALL
  - PROPOSED 5LB ZINC ANODE

### JOB NOTES:

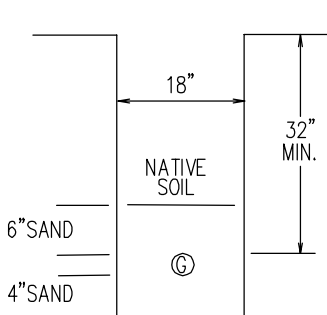
- INSTALL : 604' - OF 2"HP PL. GAS MAIN (JT)  
 : 69' - OF 4"HP PL. GAS MAIN (JT)  
 : 67' - OF 6"HP PL. GAS MAIN (JT)  
 : 290' - OF 8"HP PL. GAS MAIN (JT)  
 : (16) - TYPE G ETS STATIONS  
 : (16) - 5LB. ZINC ANODES

1. PG&E TO DO ALL HOT TIE-IN WORK.
2. PG&E TO PERFORM TRENCH INSPECTION. DEVELOPER TO CONFORM TO PG&E INSPECTOR REQUIREMENTS.
3. DEVELOPER TO DO ALL TRENCHING AND BACKFILL.
4. SAND IMPORT REQUIRED., 4" - SAND BED, SHADING AND COVERAGE REQUIRED FOR ALL TRENCH SECTIONS.  
SEE TRENCH PROFILE DRAWING DETAILS.
5. OPTION #2 - JOINT TRENCH BY APPLICANT.  
- GAS FACILITIES TO BE INSTALLED BY APPLICANT.
6. TRENCHING AGENT TO MAINTAIN A MINIMUM 5' HORIZONTAL SEPARATION BETWEEN PG&E FACILITIES AND ALL WET FACILITIES.
7. TRENCHING AGENT TO PROVIDE A BELL HOLE AT ALL PG&E TIE-IN LOCATIONS MINIMUM 4'X 4'X 12" BELOW EXISTING GAS FACILITIES.
8. ALL PLASTIC MAINS TO BE TESTED TO MINIMUM TEST PRESSURE. AFTER TEST, REDUCE AIR PRESSURE TO 60 PSIG AND LEAVE PRESSURIZED.
9. INSTALL A TYPE G ETS STATION A 5LB ZINC ANODE IN A FULL TRAFFIC VALVE FRAME AND COVER AT EACH GAS MAIN DEAD END. RUN WIRES INTO ETS STATION FOR LOCATING. TIE LOCATING WIRES.

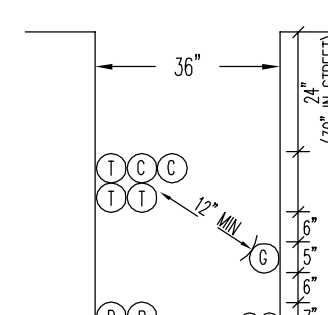
### INSPECTION NOTES

1. ALL CONDUITS SHALL BE PROVEN FREE OF DIRT, CAPPED AND MARKED.
2. A 3/4" POLYESTER PULL TAPE SHALL BE INSTALLED IN EACH PG&E ELECTRIC CONDUIT.
3. ALL SERVICE CONDUITS TO EXTEND FROM MAIN LINE TRENCH TO 5' INSIDE PROPERTY LINE. ALL OTHER CONDUITS TO CLEAR SIDEWALK AT RADIUS.
4. ALL TRENCHES AND CONDUITS MUST BE INSPECTED AND APPROVED BY A PG&E INSPECTOR.  
NOTIFY: INSP. DEPT. 48 HOURS IN ADVANCE.  
PHONE: (916) 781-3130
5. A 3" WIDE PLASTIC MARKING TAPE LABELED: "GAS LINE IN CONDUIT" SHALL BE INSTALLED WITH EACH GAS CONDUIT.
6. DEVELOPER TO PROVIDE ALL ON-SITE AND OFF-SITE TRENCHING PER PG&E SPECIFICATIONS.
7. DEVELOPER TO STAKE LOT LINES AT PROP. CORNER.

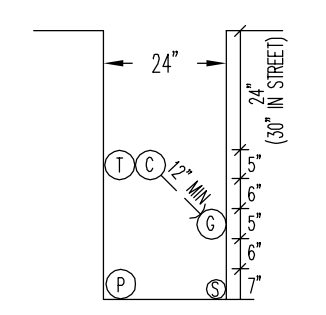
TYPICAL DISTRIBUTION JOINT TRENCH



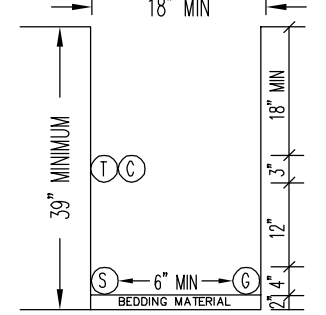
TYPICAL DISTRIBUTION JOINT TRENCH



TYPICAL DISTRIBUTION JOINT TRENCH



TYPICAL SERVICE TRENCH



### MINIMUM COVER AND CLEARANCES

	G	T	C	S	P	COVER
GAS	-	6"	6"	12"	12"	24"
TELE.	6"	0"	0"	12"	24"	30" STREET
CATV	6"	0"	0"	12"	-	18"
ELEC. SEC.	12"	0"	0"	-	6"	24", 30" STREET
ELEC. PRI.	12"	12"	12"	6"	-	30", 36" STREET

ATTENTION TRENCHING AGENT  
**FOR TRENCHING & GAS FACILITIES ONLY**  
 ADDITIONAL FACILITIES MAY BE REQUIRED  
 SEE ELECTRIC, TELEPHONE, & CATV CONSTRUCTION DRAWINGS

CATHODIC PROTECTION IN WORK AREA  
 ATTENTION FOREMAN:  
 NOTIFY THE CORROSION DEPT.  
 AT 530-863-0996, 24 HOURS  
 PRIOR TO START OF WORK.

**NOTIFIED U.S.A.**  
 DATE: \_\_\_\_\_  
 TICKET # \_\_\_\_\_  
 BY: \_\_\_\_\_

INSTALL DIRECT BURIAL PLASTIC MAINS & SERVICES PER NUMBERED DOCUMENTS A90-A90.2, A93-A93.1 & WP4170-03 WP4170-04, WP4170-05, WP4170-06, WP4170-07 & WP4170-08. INSTALL PLASTIC MAIN & SERVICE INSERT PER NUMBERED DOCUMENTS A90.1-A90.3, A91.2-A93.1 & WP4170-03 WP4170-04, WP4170-05, WP4170-06, WP4170-07 & WP4170-08.

2" PLASTIC  
**PLASTIC PIPE INSPECTION/DATA**

PIPE MANUFACTURER \_\_\_\_\_  
 DATE MANUFACTURED \_\_\_\_\_

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

6" PLASTIC  
**PLASTIC PIPE INSPECTION/DATA**

PIPE MANUFACTURER \_\_\_\_\_  
 DATE MANUFACTURED \_\_\_\_\_

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

8" PLASTIC  
**PLASTIC PIPE INSPECTION/DATA**

PIPE MANUFACTURER \_\_\_\_\_  
 DATE MANUFACTURED \_\_\_\_\_

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

PROJECT CONDITIONS STAMP

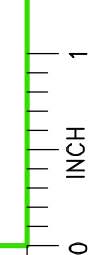
Type(s) of Work:  
 New Business  
 PG&E Maintenance & Construction

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

WM 2471-E7, F7, F8  
 CPA 15-E001  
 TBA H04

CO: _____ SD: _____ NOTIF: 105247520 Other: _____ SH: <b>B of 10</b> SHEETS REV. _____ PW: 30873564	<b>ENGINEERING AND PLANNING DEPT.</b> 333 SACRAMENTO ST. AUBURN, CA. 95603 PHONE #530-889-3285 FAX #530-889-3297 PACIFIC GAS AND ELECTRIC COMPANY	EST: BRUCE AVERY ADE: RICH RALLINO SUPV: MARTY NEPPER REP: JENNIFER DONOVAN PLNR: LEO STEWART DATE: 01/04/2011 SCALE: NONE ORDER # [ ] [ ] [ ] [ ] SUPV [ ] APVD BY [ ] NO. [ ] DATE [ ] DESCRIPTION [ ] R E V I S I O N S
<b>CONSTRUCTION SKETCH</b> INSTALL DISTRIBUTION MAIN (JT) SILVER SPRINGS UNIT #1 SILVER SPRINGS PKWY., EL DORADO HILLS		





"Joint Trench Composite Drawing Silver Springs Unit #1"  
El Dorado County, CA

CONTRACTOR CONSTRUCTION REFERENCES

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- REFER TO NUMBERED DOCUMENTS A-90.1 & A-91.2 FOR TYPICAL PLASTIC GAS MAIN AND SERVICE INSERT CONSTRUCTION.
- REFER TO NUMBERED DOCUMENTS A-90.2 & A-90.3 FOR TYPICAL ANODE AND LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC GAS MAIN AND SERVICES.
- REFER TO NUMBERED DOCUMENTS A-91.3 & A-91.4 FOR TYPICAL GAS SERVICE RISER INSTALLATION.
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- THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE TRENCH SPOIL WITH 100% SELECT BACKFILL AS REQUIRED BY PG&E SPECIFICATIONS, AND ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
- THE CONTRACTOR WILL BE REQUIRED TO PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.

LEGEND

- PROPOSED**
- PROPOSED GAS MAIN (JT)
  - PROPOSED IN-LINE TEE
  - PROPOSED REDUCER COUPLING
  - PROPOSED MAIN CAP
  - PROPOSED ETS STATION IN VF&C
  - PROPOSED END OF MAIN MARKER BALL
  - PROPOSED 5LB ZINC ANODE

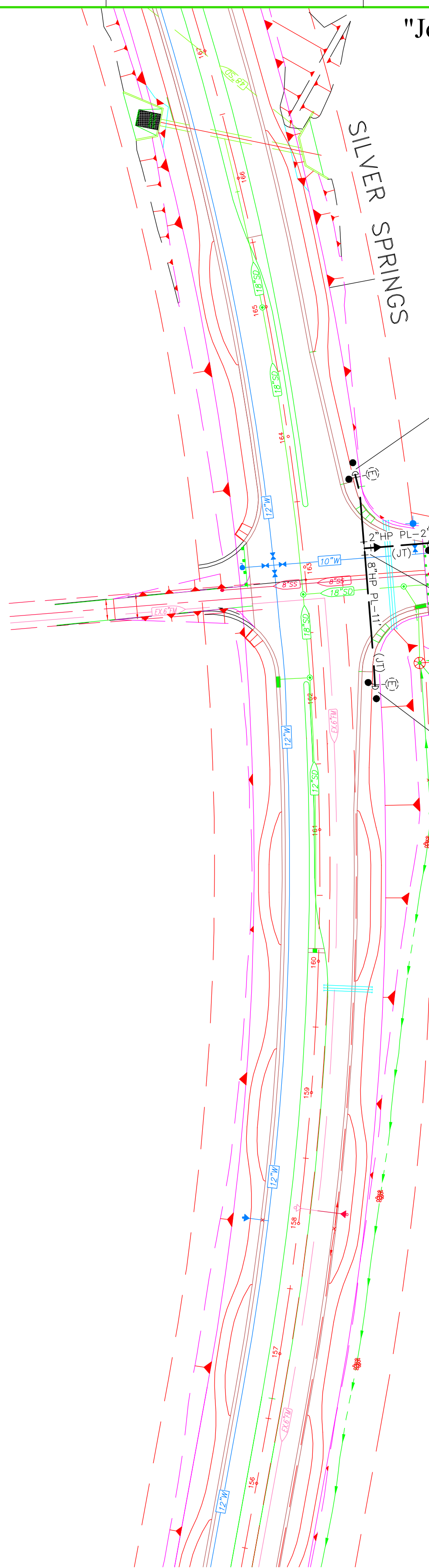
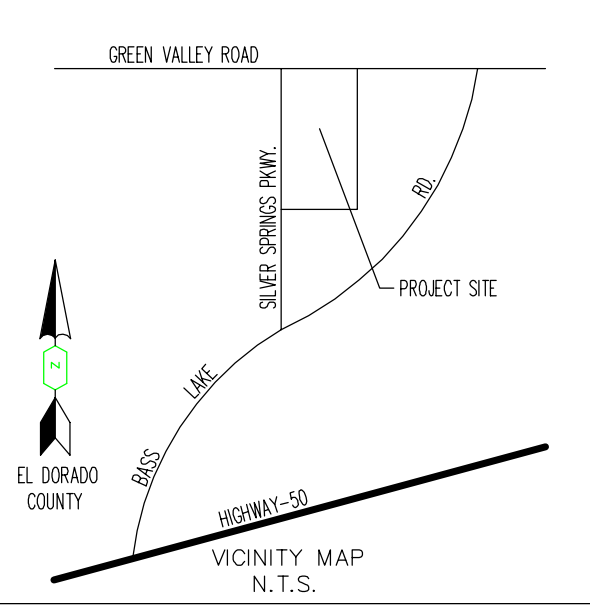
JOB NOTES:

- INSTALL : 604' - OF 2"HP PL. GAS MAIN (JT)  
 : 69' - OF 4"HP PL. GAS MAIN (JT)  
 : 67' - OF 6"HP PL. GAS MAIN (JT)  
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 : (16) - TYPE G ETS STATIONS  
 : (16) - 5LB. ZINC ANODES

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- PG&E TO PERFORM TRENCH INSPECTION. DEVELOPER TO CONFORM TO PG&E INSPECTOR REQUIREMENTS.
- DEVELOPER TO DO ALL TRENCHING AND BACKFILL.
- SAND IMPORT REQUIRED., 4" SAND BED, SHADING AND COVERAGE REQUIRED FOR ALL TRENCH SECTIONS. SEE TRENCH PROFILE DRAWING DETAILS.
- OPTION #2 - JOINT TRENCH BY APPLICANT - GAS FACILITIES TO BE INSTALLED BY APPLICANT.
- TRENCHING AGENT TO MAINTAIN A MINIMUM 5' HORIZONTAL SEPARATION BETWEEN PG&E FACILITIES AND ALL WET FACILITIES.
- TRENCHING AGENT TO PROVIDE A BELL HOLE AT ALL PG&E TIE-IN LOCATIONS MINIMUM 4'X 4'X 12" BELOW EXISTING GAS FACILITIES.
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- DEVELOPER TO STAKE LOT LINES AT PROP. CORNER.

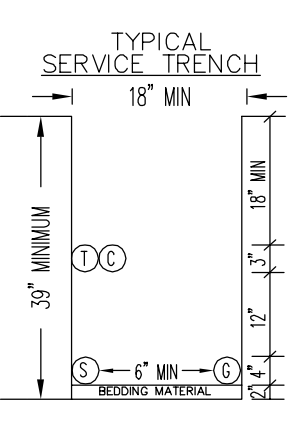
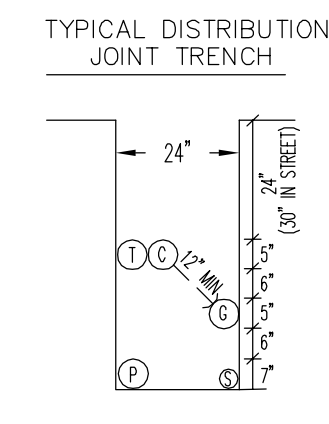
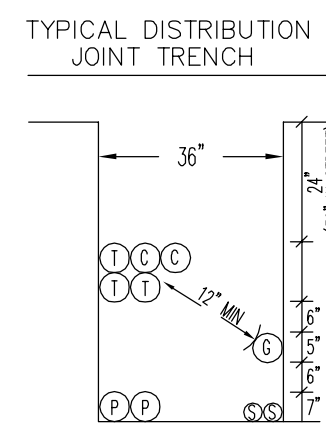
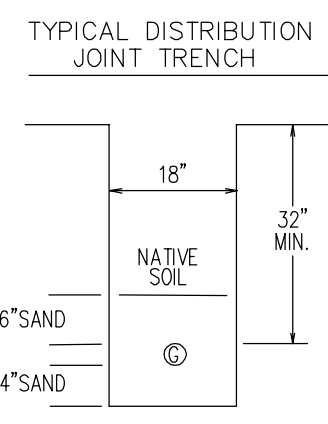
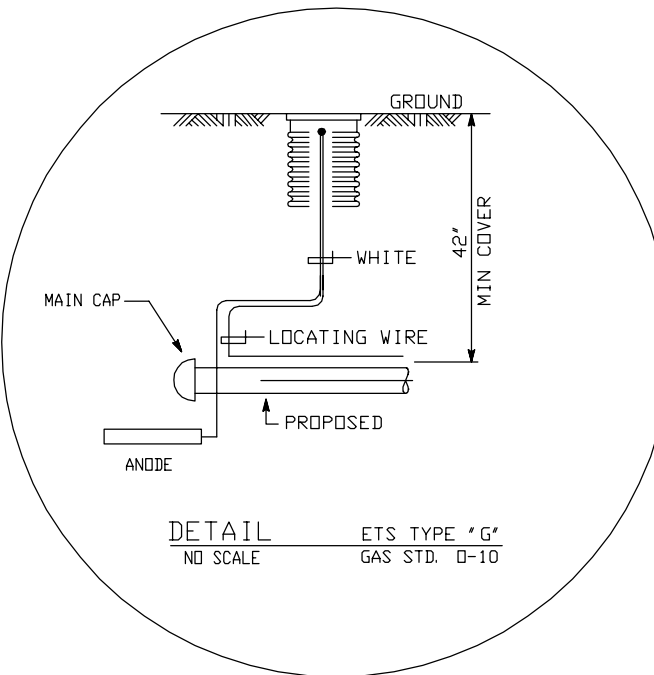


INSTALL 8" MAIN CAP, CODE# 02-0752, & TYPE G ETS STATION IN VF&C. & A END OF MAIN MARKER, CODE# 37-4944.

INSTALL 2" MAIN CAP, CODE# 03-3945, & TYPE G ETS STATION IN VF&C. & A END OF MAIN MARKER, CODE# 37-4944.

INSTALL 8" IN-LINE TEE, CODE# 02-0202, 8"X6" REDUCER, CODE# 02-0766, 6"X4" REDUCER, CODE# 02-7992, & A 4"X2" REDUCER, CODE# 03-3947.

INSTALL 8" MAIN CAP, CODE# 02-0752, & TYPE G ETS STATION IN VF&C. & A END OF MAIN MARKER, CODE# 37-4944.



2" PLASTIC  
**PLASTIC PIPE INSPECTION/DATA**

PIPE MANUFACTURER \_\_\_\_\_  
 DATE MANUFACTURED \_\_\_\_\_

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

8" PLASTIC  
**PLASTIC PIPE INSPECTION/DATA**

PIPE MANUFACTURER \_\_\_\_\_  
 DATE MANUFACTURED \_\_\_\_\_

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

MINIMUM COVER AND CLEARANCES

	G	T	C	S	P	COVER
GAS	-	6"	6"	12"	12"	24"
TELE.	6"	-	0"	0"	12"	24", 30" STREET
CATV	6"	0"	-	0"	12"	18"
ELEC. SEC.	12"	0"	0"	-	6"	24", 30" STREET
ELEC. PRI.	12"	12"	12"	6"	-	30", 36" STREET

ATTENTION: TRENCHING AGENT  
**FOR TRENCHING & GAS FACILITIES ONLY**  
 ADDITIONAL FACILITIES MAY BE REQUIRED  
 SEE ELECTRIC, TELEPHONE, & CATV CONSTRUCTION DRAWINGS

CATHODIC PROTECTION IN WORK AREA  
 ATTENTION FOREMAN:  
 NOTIFY THE CORROSION DEPT.  
 AT 530-863-0996 - 24 HOURS  
 PRIOR TO START OF WORK.

**NOTIFIED U.S.A.**  
 DATE: \_\_\_\_\_  
 TICKET # \_\_\_\_\_  
 BY: \_\_\_\_\_

INSTALL DIRECT BURIAL PLASTIC MAINS & SERVICES PER NUMBERED DOCUMENTS A90-A90.2, A93-A93.1 & WP4170-03 WP4170-04, WP4170-05, WP4170-06, WP4170-07 & WP4170-08. INSTALL PLASTIC MAIN & SERVICE INSERT PER NUMBERED DOCUMENTS A90.1-A90.3, A91.2-A91.4 & WP4170-03 WP4170-04, WP4170-05, WP4170-06, WP4170-07 & WP4170-08.

**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

WM 2471-E7, F7, F8  
 CPA 15-E001  
 TBA H04

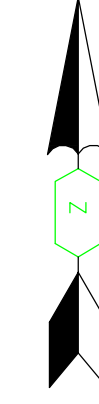
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 SD: \_\_\_\_\_  
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 Other: \_\_\_\_\_  
 SHT: 9 of 10 SHEETS  
 PM: 30873564 REV.

ENGINEERING AND PLANNING DEPT.  
 333 SACRAMENTO ST.  
 AUBURN, CA. 95603  
 PHONE #530-889-3285 FAX #530-889-3297  
 PACIFIC GAS AND ELECTRIC COMPANY

EST: BRUCE AVERY  
 ADE: RICH RAILING  
 SUPV: MARTY NEPPER  
 REP: JENNIFER DONOVAN  
 PLNR: LEO STEWART  
 SCALE: NONE  
 DATE: 01/04/2012

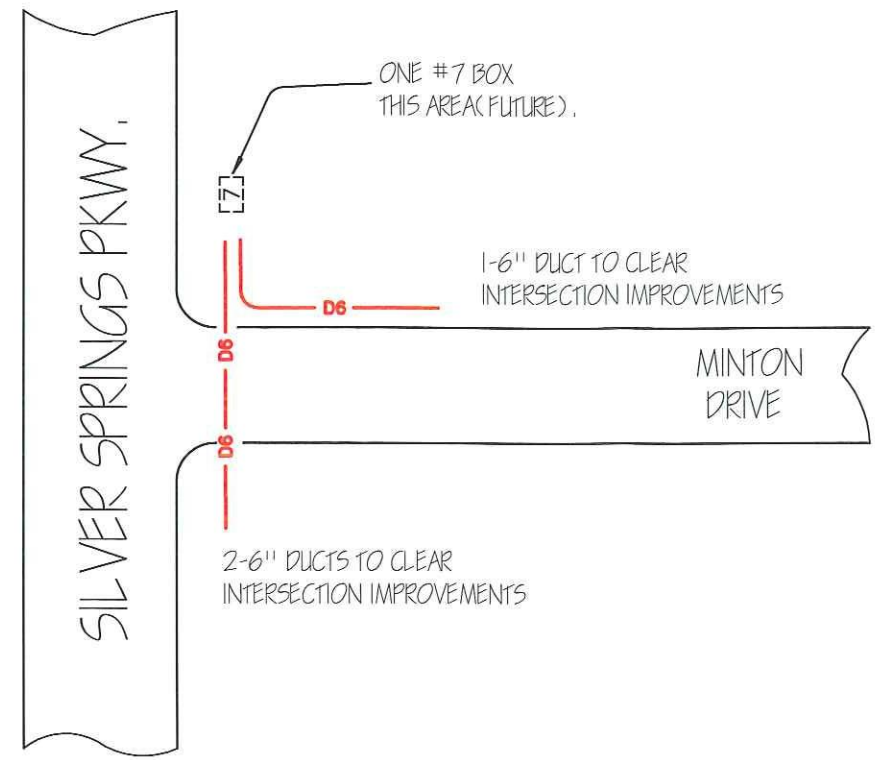
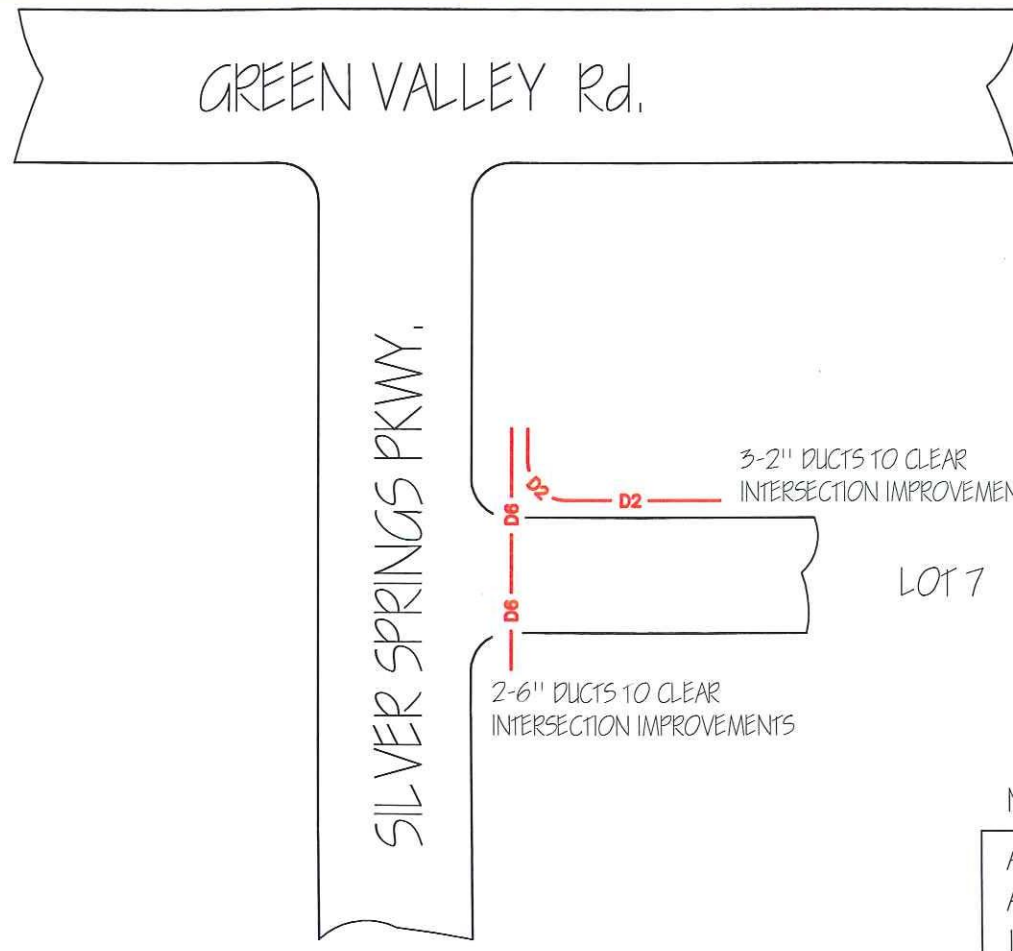
NO.	DATE	DESCRIPTION	ORDER #	DWN	CHKD	SUPV	APVD BY

CONSTRUCTION SKETCH  
 INSTALL DISTRIBUTION MAIN (JT)  
 SILVER SPRINGS UNIT #1  
 SILVER SPRINGS PKWY., EL DORADO HILLS



# "Joint Trench Composite Drawing Silver Springs Unit #1"

## El Dorado, CA

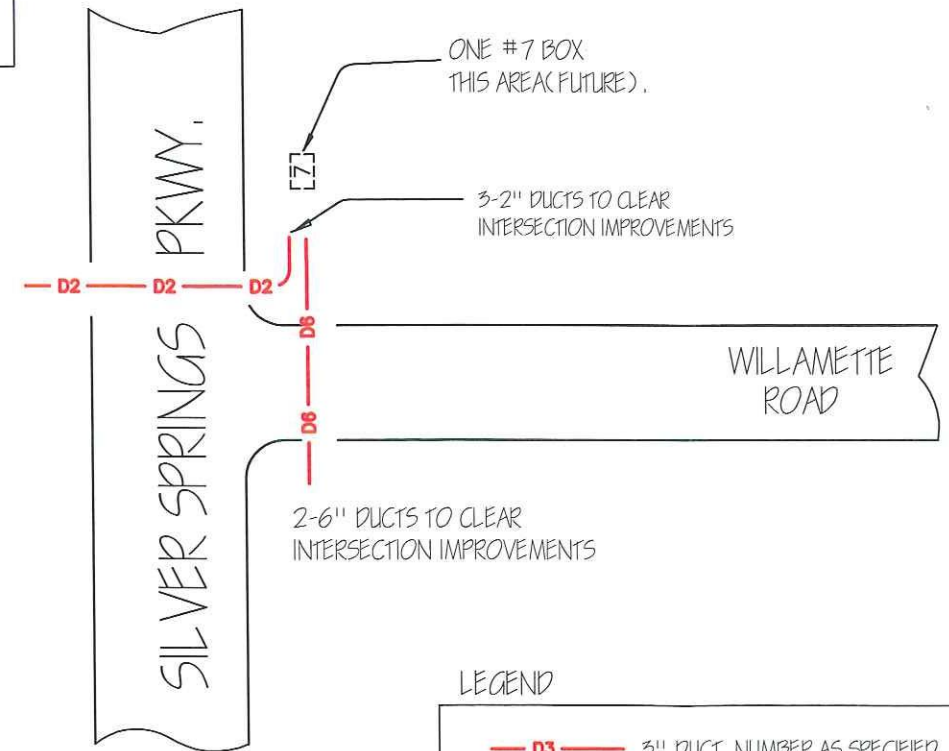
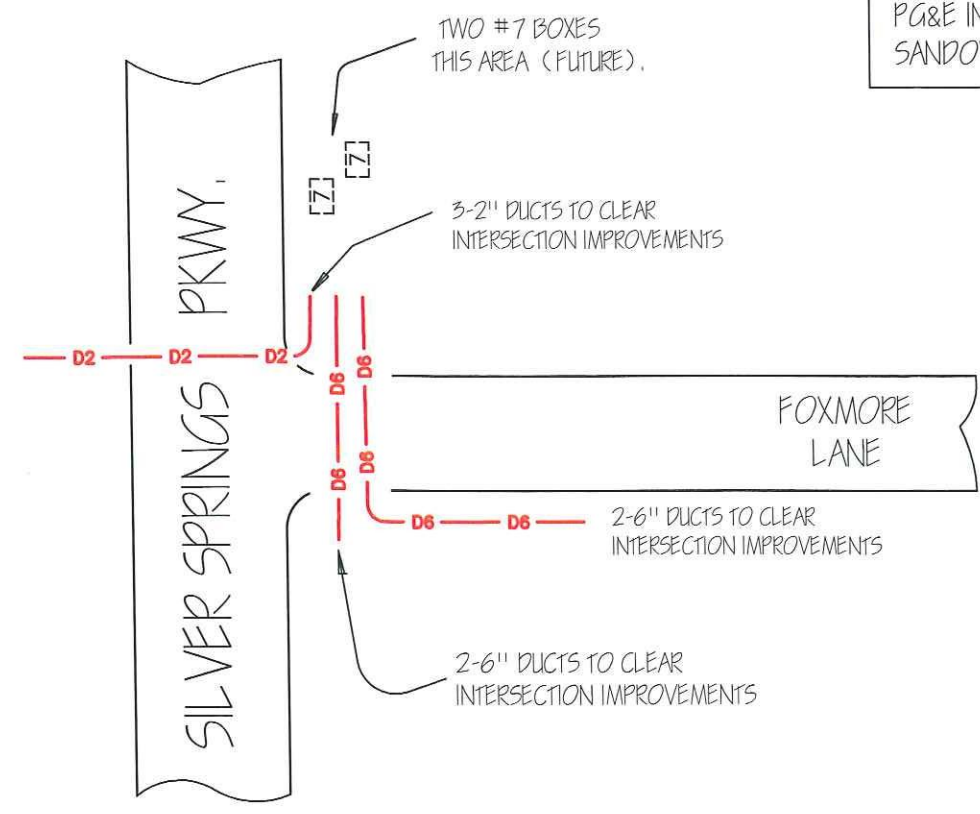


NOTES:

ALL CONDUITS TO BE CAPPED WITH RIGID CAPS, ALL CONDUIT ENDS TO HAVE STUB MARKERS, INSTALL 2500LB PULLTAPE IN ALL DUCTS.

PG&E INSPECTOR TO DETERMINE ALL DUCTS ARE EXTENDED BEYOND IMPROVEMENTS.

PG&E INSPECTOR TO APPROVE ALL PLACEMENT, SANDOVER AND BACKFILL MATERIAL.



LEGEND

- D3 — 3" DUCT, NUMBER AS SPECIFIED.
- D6 — 6" DUCT, NUMBER AS SPECIFIED.
- Z 4'6" x 8'6" FUTURE ENCLOSURE



CO:	NO:	NOTIF.:	OTHER:	SHT:	SHEETS	REV.
				10 of 10		
				PM:	41536217	
<p>SILVER SPRINGS</p> <p>GREEN VALLEY RD &amp; SILVER SPRINGS PKWY</p> <p>INSTALL CONDUIT CROSSINGS</p>						
<p>PACIFIC GAS AND ELECTRIC COMPANY</p>						
EST:	ACUNA	DATE:	10/14/2011			
AGE:	KENP	SCALE:	N15			
SUPV:	NEPPER	PLNR:				
REP:	PONOVAN					