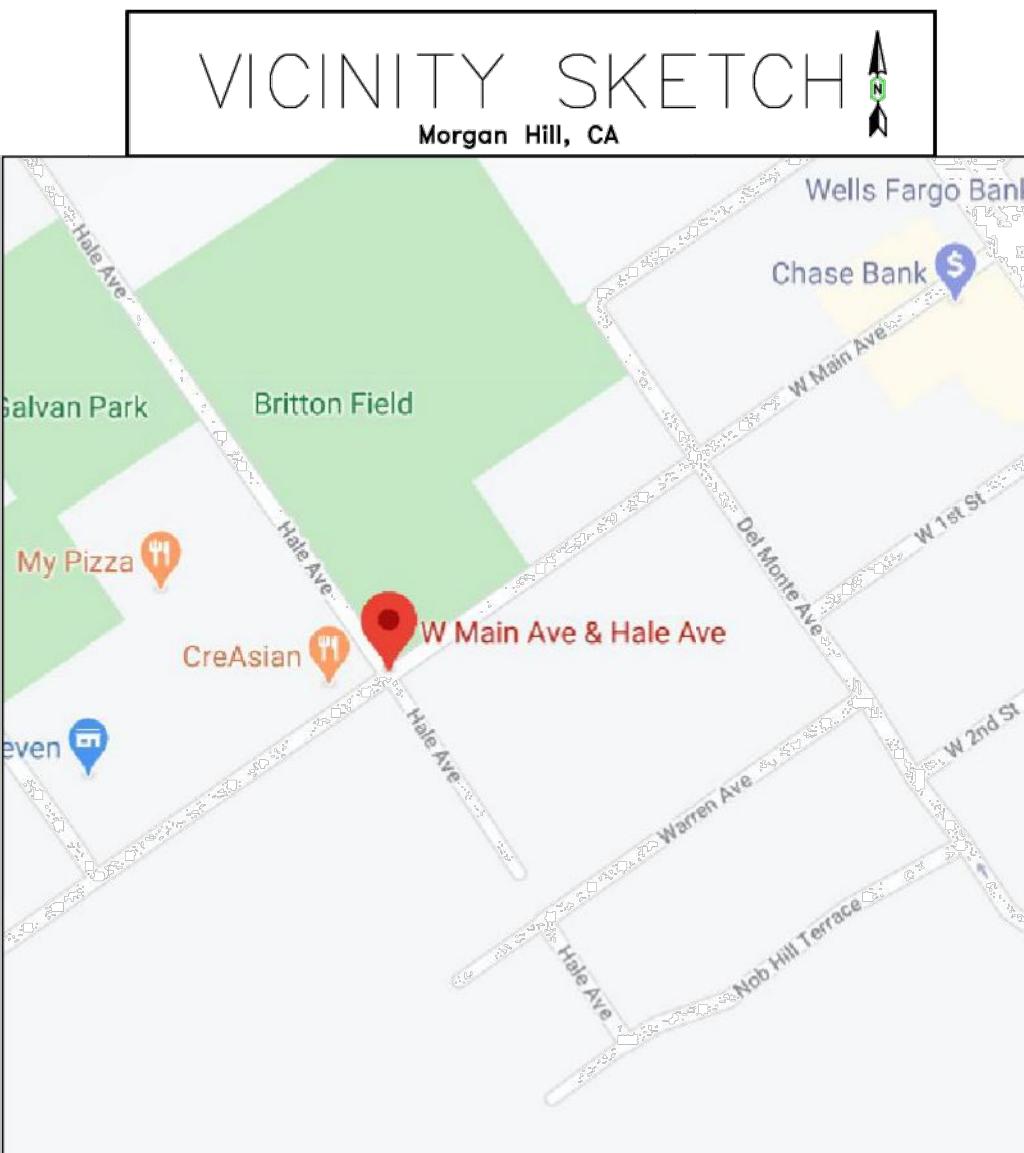


JOINT TRENCH GENERAL NOTES:

1. THE PREFERRED TRENCH LOCATION IS IN A PUBLIC UTILITY EASEMENT.
2. ALL DEPTHS AND RESULTING COVER REQUIREMENTS ARE MEASURED FROM FINAL GRADE.
3. COVER, CLEARANCES, AND SEPARATION SHALL BE AS GREAT AS PRACTICABLE UNDER THE CIRCUMSTANCES, BUT UNDER NO CIRCUMSTANCES SHALL BE LESS THAN THE MINIMUM COVER, CLEARANCE, AND SEPARATION REQUIREMENTS SET FORTH IN GENERAL ORDER 128 AND 49CFR 192.321, AND 49CFR 192.327. ALL FACILITIES SHALL BE ANCHORED IN PLACE PRIOR TO COMPACTION, OR OTHER MEANS SHALL BE TAKEN TO ENSURE NO MOTION OF THE FACILITIES. DIMENSIONAL REQUIREMENTS FOR SHADING, LEVELING, AND BACKFILLING SHALL BE DETERMINED SUBSEQUENT.
4. NON-UTILITY FACILITIES ARE NOT ALLOWED IN ANY JOINT TRENCH, ETC. IRRIGATION LINES, PRIVATE PHONE, ETC.
5. WHEN COMMUNICATION DUCTS ARE INSTALLED, A MINIMUM OF 12" RADIAL SEPARATION SHALL BE MAINTAINED FROM GAS FACILITIES.
6. PROVIDE SEPARATION FROM TRENCH WALL AND OTHER FACILITIES SUFFICIENT TO ENSURE PROPER COMPACTION.
7. MAINTAIN PROPER SEPARATION BETWEEN PG&E FACILITIES AND "WET" UTILITY LINES AS DESCRIBED IN UO STANDARD S5453. THE MINIMUM ALLOWABLE HORIZONTAL SEPARATION BETWEEN COMPANY FACILITIES AND "WET" FACILITIES IS 3' WITH A MINIMUM 1' OF UNDISTURBED EARTH OR THE INSTALLATION OF A SUITABLE BARRIER BETWEEN. IF A 3' HORIZONTAL SEPARATION CANNOT BE ATTAINED BETWEEN "WET" UTILITIES AND COMPANY FACILITIES A VARIANCE MAY BE APPROVED BY THE LOCAL INSPECTION SUPERVISOR AND SUBMITTED TO THE SERVICE PLANNING SUPPORT PROGRAM MANAGER FOR APPROVAL. SEPARATIONS OF 1' OR LESS ARE NOT PERMISSIBLE AND WILL NOT BE ALLOWED.
8. SEPARATIONS SHALL BE MAINTAINED AT ABOVE GROUND TERMINATION POINTS.
9. PROCEDURES FOR APPROVING NATIVE BACKFILL FOR SHADING AT PG&E FACILITIES:
 - RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF 3 LOCATIONS PER 1000' OF TRENCH. ADDITIONAL SAMPLES MUST BE TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND ARE TO BE TAKEN AT THE DISCRETION OF THE PG&E REPRESENTATIVE ON SITE.
 - SHADING MATERIAL CONTAINING LARGE ROCK, PAVING MATERIAL, CINDERS, SHARPLY ANGULAR SUBSTANCES, OR CORROSIVE MATERIAL SHALL NOT BE PLACED IN THE TRENCH WHERE SUCH MATERIAL MAY DAMAGE THE CONDUITS AND/OR PREVENT PROPER COMPACTION OVER AND AROUND CONDUITS.
 - NATIVE SOILS CONTAINING CLODS NOT TO EXCEED 6" IN DIAMETER MAY BE INCLUDED IN THE SHADING MATERIAL PROVIDED THE CLODS ARE READILY BREAKABLE BY HAND.
 - AT NO TIME SHALL THE OVER SATURATION OF NATIVE SOILS BE USED TO ACHIEVE THESE REQUIREMENTS.
10. SEPARATION BETWEEN GAS FACILITIES AND ELECTRIC FACILITIES MAY BE REDUCED TO 6" WHEN CROSSING.

NOTES:

- APPLICANT TO DO ALL TRENCHING AND BACKFILLING
- APPLICANT TO INSTALL ALL SUBSTRUCTURES
- APPLICANT TO PROVIDE SAND ON-SITE
- APPLICANT TO PERFORM 1899' OF TRENCHING AND BACKFILLING. SEE DRAWINGS FOR DETAILS.
- APPLICANT MUST SCHEDULE A PRECONSTRUCTION CONSULTATION WITH THE PG&E TRENCH INSPECTION DESK AND SECOND APPOINTMENT FOR TRENCH INSPECTION
- APPLICANT TO NOTIFY PG&E TRENCH INSPECTION DESK FOR APPOINTMENT. 7 BUSINESS DAYS MINIMUM NOTICE IS REQUIRED.
- GUIDELINES AND STANDARDS FOR PG&E FACILITIES CAN BE FOUND AT PGE.COM/GREENBOOK



LEGEND	
	EXISTING GAS MAIN
	FACE OF CURB
	PROPOSED JOINT TRENCH
	EXISTING WATER LINE
	PROPERTY LINE (P/L)
	EXISTING SEWER LINE
	EXISTING STORM DRAIN
	PROPOSED 24"x36" PHONE BOX
	PROPOSED 24"x36" CABLE BOX
	EXISTING #5 BOX
	PROPOSED #7 BOX
	PROPOSED #2 BOX
	EXISTING JOINT UTILITY POLE
	EXISTING PG&E UTILITY POLE
	PROPOSED UTILITY POLE

LAND RIGHTS NOTES:

APPLICANT TO PROVIDE ADEQUATE P.U.E.'S AND/OR R.O.W. FOR PG&E FACILITIES. ANY ADDITIONAL REQUIRED RIGHTS OF WAY ARE TO BE SURVEYED AND DOCUMENTED BY PG&E AT THE APPLICANT'S EXPENSE.

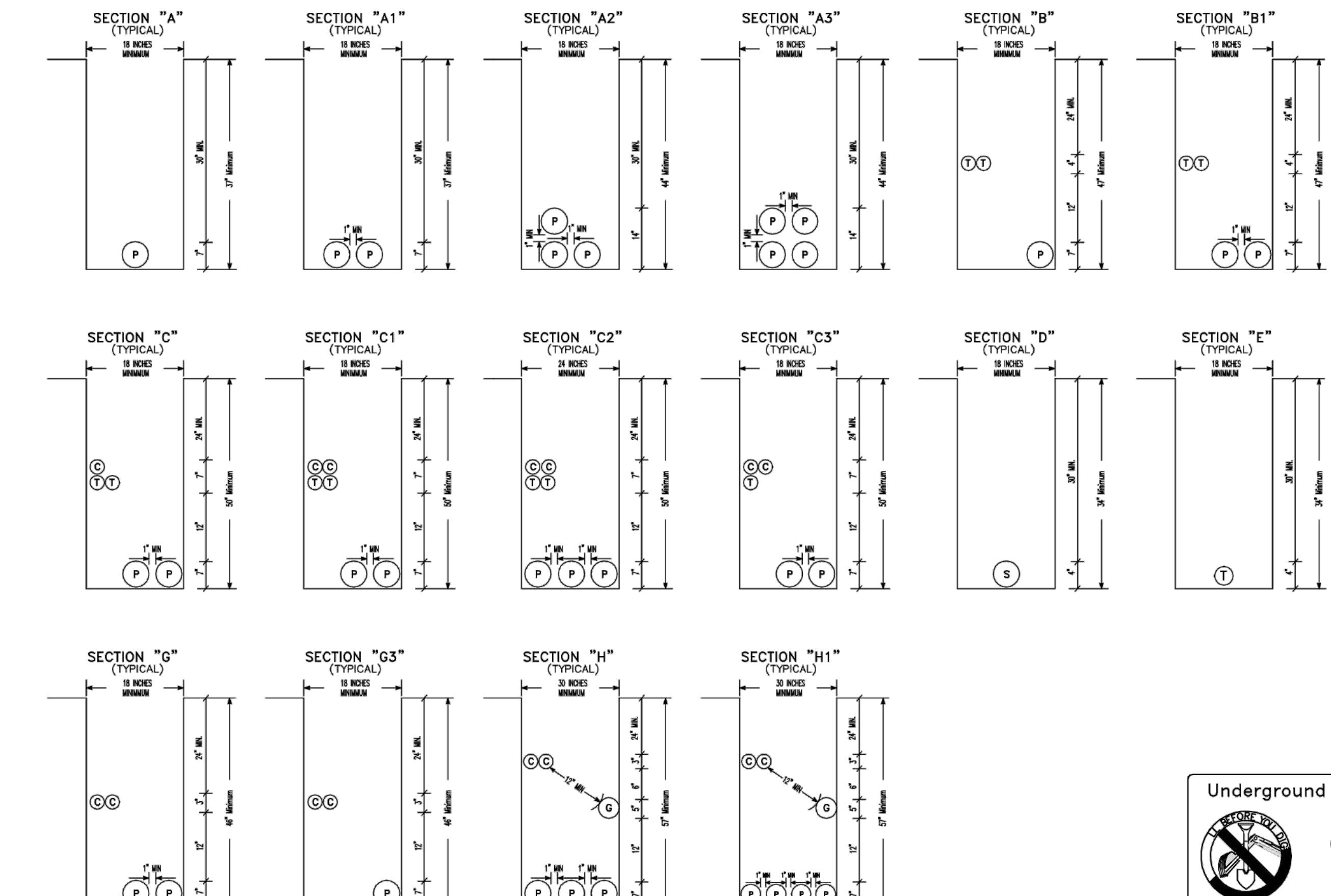
MINIMUM SEPARATION AND CLEARANCE REQUIREMENTS (INCHES)									
		G	DUCT	DB	C	S	P	SL	MINIMUM COVER
G	SEE NOTES 4, 7, & 13	—	12	12	12	6	12	24, 30 STREET	
T	(TELEPHONE) DUCT	12	—	1	1	12	12	12	18, 30 STREET
T	(TELEPHONE) DIRECT BURY	12	—	1	—	12	12	12	18, 30 STREET
C	(CATV)	12	—	1	—	12	12	12	18, 30 STREET
S	(ELECTRIC SECONDARY)	6	12	12	12	1.5	3	1.5	24, 30 STREET
P	(ELECTRIC PRIMARY)	12	12	12	12	3	3	3	36, 36 STREET
SL	(STREETLIGHT) SEE NOTE 5	8	12	12	12	1.5	3	1.5	24, 30 STREET
FE*	(FOREIGN ELECTRIC SOURCE, NON-PG&E) SEE NOTE 5	12	12**	12**	12	12	12	12	

*Must be considered a "Utility" as defined in Utility Standard S5453, "Joint Trench". Note 4, 5, 7, and 13 are located in Utility Standard S5453, Exhibit B, "Joint Trench Configurations and Clearance Requirements".

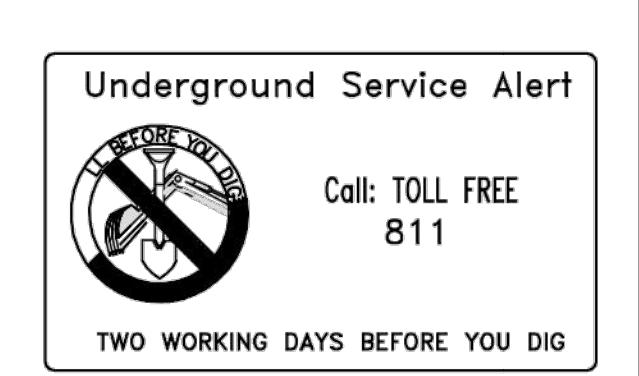
**For exceptions, refer to G.O. 128 rule, Section B, items (1) and (2).

JT OCCUPANT GUIDE									
TRENCH SECTION	LENGTH	DIMENSION	ELECTRIC	6' P	3' S	2' GAS	3' CA	4' TEL	REV.
A	66'	18"x37"	1						
A1	801'	18"x37"	2						
A2	20'	18"x44"	3						
A3	57'	18"x44"	4						
B	120'	18"x47"	1						
B1	221'	18"x47"	2						
C	249'	18"x50"	2						
C1	56'	18"x50"	2						
C2	32'	24"x50"	3						
C3	67'	24"x50"	2						
D	8'	18"x34"	1						
E	48'	18"x34"	1						
G	54'	18"x46"	2						
G3	12'	18"x46"	1						
H	56'	30"x57"	3	1	2				
H1	32'	30"x57"	4	1	2				

TEST: RYAN SHELDON	831-784-3361
SUPP: DAVID TIGERINO	925-328-5572
REP: CA HUYNH	408-266-1040
NOTE: 11499-3900	DATE: 4/20/2020
PM# 31438220	SCALE: 1=40'
PG&E	1 OF 2 REV.



GAS SHOWN IN JOINT TRENCH SECTIONS "H" & "H1" FOR REFERENCE ONLY. ALL GAS RELOCATION WORK TO BE DONE UNDER PM# 35162180



COMPOSITE DRAWING
W. MAIN AVE. & HALE AVE.
MORGAN HILL
SANTA CLARA COUNTY

NOTIFIED U.S.A.
DATE:
TICKET #:
BY:

NOTES:

1. APPLICANT TO TRENCH JOINT WITH ELECTRIC, PHONE, & CATV
2. APPLICANT TO PROVIDE ALL ELECTRIC SUBSTRUCTURES AS SHOWN.
3. APPLICANT TO PROVIDE MULE TAPE IN ALL ELECTRIC CONDUITS.
4. APPLICANT "TO PROVIDE MANDREL" AND PROVING OF ALL ELECTRIC CONDUIT FACILITIES WITH PG&E INSPECTOR STANDBY.
5. THE TOTAL NUMBER OF BENDS INSTALLED IN ANY PRIMARY DUCT RUN SHALL NOT EXCEED 300 DEGREES. THE TOTAL NUMBER OF BENDS IN ANY SECONDARY DUCT RUN IN EXCESS OF 200 FEET SHALL NOT EXCEED 300 DEGREES. ANY SECONDARY DUCT RUN EQUAL TO OR LESS THAN 200 FEET IN LENGTH MAY CONTAIN UP TO A TOTAL OF 315 DEGREES IN BENDS.
6. PG&E INSPECTOR'S PHONE # (408) 299-1024
7. APPLICANT IS RESPONSIBLE TO ENSURE TRENCHING AND SUBSTRUCTURE INSTALLATION MEET PG&E GREENBOOK STANDARDS. GREENBOOKS ARE AVAILABLE AT YOUR LOCAL PG&E HEADQUARTERS OR CAN BE FOUND ON THE INTERNET @ WWW.PGE.COM/GREENBOOK
8. A 3' SEPARATION IS REQUIRED BETWEEN JOINT TRENCH AND WET FACILITIES.
9. APPLICANT TO FOLLOW CLEARANCE REQUIREMENTS FOR ALL NEW EQUIPMENT PER DOCUMENT 051122.
10. FLAME RESISTANT (FR) CLOTHING IS REQUIRED WHEN WORKING ON OR AROUND PG&E FACILITIES AND EQUIPMENT. SEE PG&E GREENBOOK FOR ADDITIONAL DETAILS
11. MINIMUM OF SCHEDULE 40 CONDUIT TO BE INSTALLED

LEGEND

- [7] = PG&E TO INSTALL 600A 3-WAY, 3-WAY SS SWITCH IN 4'6"X8'6"X 6' (IVT) PRIMARY ENCLOSURE BY APPLICANT AS SHOWN
- [7] = PG&E TO INSTALL 600A PRIMARY SPLICES IN 4'6"X8'6"X 6' (IVT) PRIMARY ENCLOSURE BY APPLICANT AS SHOWN
- [2] = APPLICANT TO INSTALL 17"X30"X26" (IVT) SECONDARY ENCLOSURE
- = PG&E TO INSTALL 3-1100A EPR UG PRIMARY CABLE IN EXISTING 6" PVC CONDUIT
- = PG&E TO RE-ROUTE EXISTING UG PRIMARY CABLE IN (1)-6" PVC (MINIMUM SCHEDULE 40) PRIMARY CONDUIT BY APPLICANT
- = PG&E TO INSTALL 3-1100A EPR UG PRIMARY CABLE IN (1)-6" PVC (MINIMUM SCHEDULE 40) PRIMARY CONDUIT BY APPLICANT
- = PG&E TO INSTALL 3-1100A EPR UG PRIMARY CABLE IN (1)-6" PVC (MINIMUM SCHEDULE 40) PRIMARY CONDUIT IN (1)-12" STEEL CASING FOR CULVERT CROSSING CONDUIT & CASING BY APPLICANT
- = (1)-6" PVC (MINIMUM SCHEDULE 40) SPARE PRIMARY CONDUIT BY APPLICANT
- = PG&E TO INSTALL 4/0A TPX(600V) UG SECONDARY CABLE IN (1)-3" PVC (MINIMUM SCHEDULE 40) SECONDARY CONDUIT BY APPLICANT
- = PG&E TO INSTALL 1/0 TPX ACSR OH SECONDARY - SLACKSPAN
- [7] = EXISTING 4'6"X8'6"X6' PRIMARY SPLICE BOX
- = PG&E TO SET POLES, AS SHOWN
- = PG&E TO SET JT ANCHORS AS SHOWN
- = PG&E TO SET SOLELY OWNED ANCHORS AS SHOWN
- = PG&E TO RELINQUISH JOINT POLE AS SHOWN
- = PG&E TO REMOVE JOINT POLES AS SHOWN
- = PG&E TO REMOVE SOLELY OWNED POLES
- = PG&E TO REMOVE SOLELY OWNED ANCHORS AS SHOWN
- = PG&E TO REMOVE JT ANCHORS AS SHOWN
- = PG&E TO INSTALL 50 KVA 1Ø OH TRANSFORMER
- = REMOVE 50 KVA 1Ø OH TRANSFORMER
- = REMOVE 397A &1-1/0A(CN) OH PRIMARY CONDUCTOR
- = REMOVE 3-1/0A OH SECONDARY CONDUCTOR
- = REMOVE 3-1000A EPR UG PRIMARY CABLE
- = PG&E TO REMOVE OH SWITCHES AS SHOWN
- = PG&E TO INSTALL 900 AMP RISER SWITCHES AS SHOWN.

GLUED RIGID CAPS TO BE INSTALLED ON ENDS OF ALL SPARE CONDUITS. BALL MARKERS (PG&E CODE M374947) TO BE PLACED AT CONDUIT STUBS

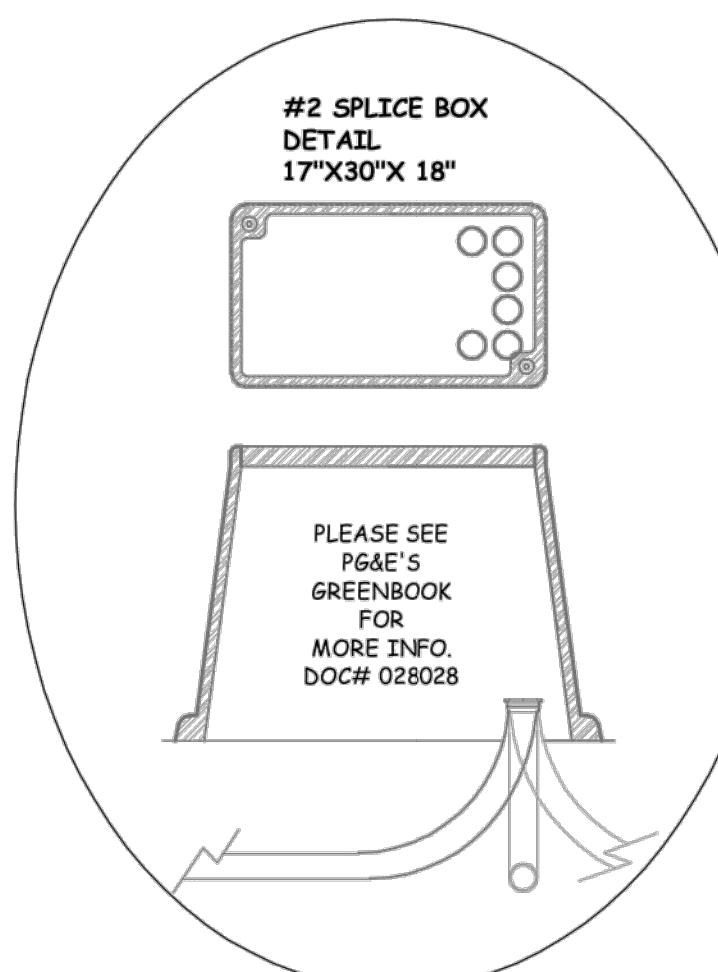
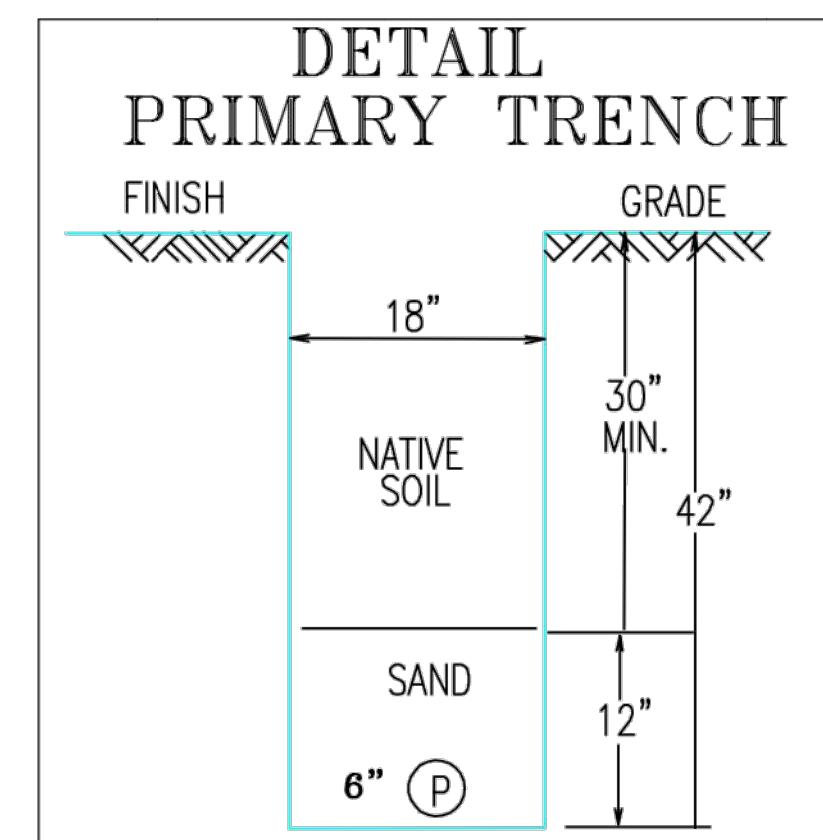
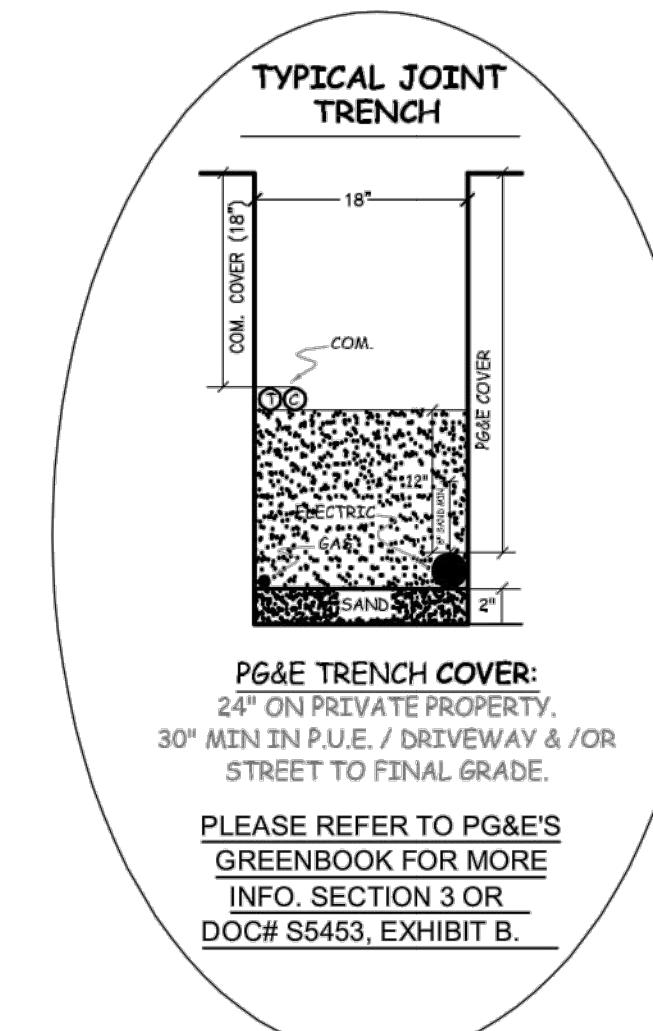
RULE 20B: OH TO UG CONVERSION FOR THE CITY OF MORGAN HILL

UNDERGROUND SERVICE ALERT

CONTACT U.S.A. AT LEAST 48 HOURS IN ADVANCE OF TRENCHING OR EXCAVATING. CONTACT PG&E INSPECTOR AT LEAST 48 HOURS IN ADVANCE TO MAKE STANDBY ARRANGEMENTS WHEN WORKING WITHIN 5' OF ENERGIZED FACILITIES.

DEVELOPER NOTES

BEFORE BEGINNING SUBSTRUCTURE WORK, PLEASE CALL THE UNDERGROUND INSPECTOR AT LEAST 48 HOURS IN ADVANCE AT (408)365-2166. (WORK NOT PROPERLY INSPECTED MAY BE REJECTED) IF THERE ARE ANY CONFLICTS BETWEEN SUBSTRUCTURES INSTALLATIONS AND LANDSCAPING CONTACT THE INSPECTOR PRIOR TO INSTALLATION.



DETAILS CONSTRUCTION SKETCH
W. MAIN AVE. & HALE AVE.
MORGAN HILL
SANTA CLARA COUNTY

EST:ROBIN WIBETO	408-725-2070
ADE:GREG ELDER	408-725-2051
SUPV:DAVID T. MIRANDA	925-328-5572
REP:CA HUYNH	408-299-1040
PLNR:MIKE TEKLE	408-365-2162
NOTIF:114993900	JPA# PG20038VP
SCALE:1"=30'	DATE:4/30/20
PM:314-38229	SHEET:1 OF 4 REV.0

**RULE 20B: OH TO UG CONVERSION
FOR THE CITY OF MORGAN HILL**

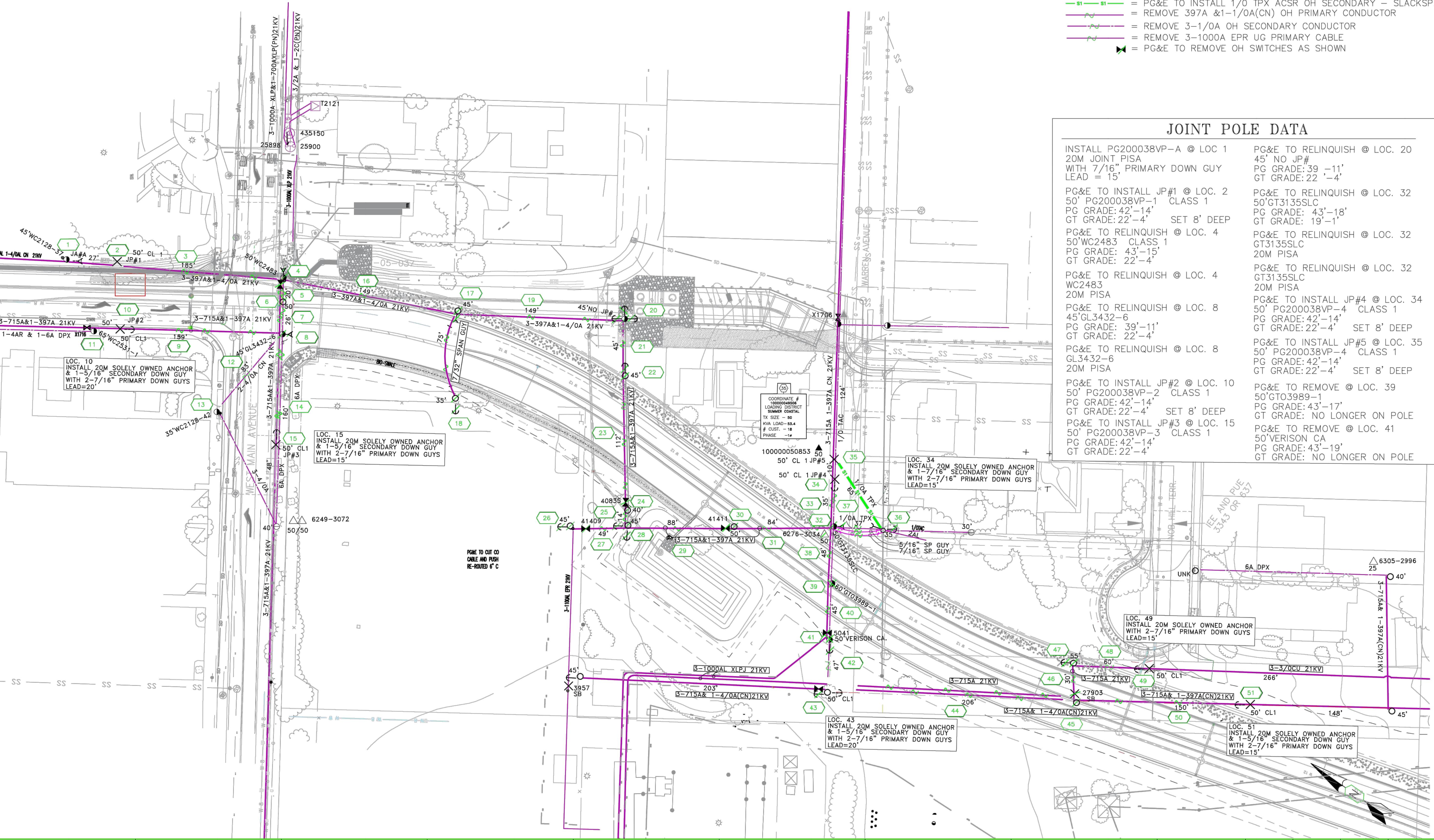
**SHEET 2 OF 4
OH REMOVAL**



LEGEND

- X** = PG&E TO SET POLES, AS SHOWN
- Y** = PG&E TO SET JT ANCHORS AS SHOWN
- ↑** = PG&E TO SET SOLELY OWNED ANCHORS AS SHOWN
- = PG&E TO RELINQUISH JOINT POLE AS SHOWN
- = PG&E TO REMOVE JOINT POLES AS SHOWN
- = PG&E TO REMOVE SOLELY OWNED POLES
- ◀** = PG&E TO REMOVE SOLELY OWNED ANCHORS AS SHOWN
- ✖** = PG&E TO REMOVE JT ANCHORS AS SHOWN
- ▲** = PG&E TO INSTALL 50 KVA 1Ø OH TRANSFORMER
- △** = REMOVE 50 KVA 1Ø OH TRANSFORMER
- = PG&E TO REMOVE OH SWITCHES AS SHOWN
- S1** = PG&E TO INSTALL 1/0 TPX ACSR OH SECONDARY – SLACKSPAN
- = REMOVE 397A & 1-1/0A(CN) OH PRIMARY CONDUCTOR
- = REMOVE 3-1/0A OH SECONDARY CONDUCTOR
- = REMOVE 3-1000A EPR UG PRIMARY CABLE
- = PG&E TO REMOVE OH SWITCHES AS SHOWN

EST: ROBIN WIEGO 408-725-2050
ADE: GREG ELDER 408-725-2051
SUP: DAVID T. MIRANDA 925-328-5572
REP: CA. HUNH 408-299-1040
PRIN: MIKE TEKLE 408-365-2162
NOTF: 14993500 JPA# PG# PC20038VP
DATE: 4/30/20 SHEET: 2 OF 4 REV. 0



JOINT POLE DATA

INSTALL PG200038VP-A @ LOC 1 PG&E TO RELINQUISH @ LOC. 20 45' NO JP#
20M JOINT PISA PG GRADE: 39' -11',
WITH 7/16" PRIMARY DOWN GUY GT GRADE: 22' -4'
LEAD = 15' PG&E TO RELINQUISH @ LOC. 32 50' GT3135SLC
PG GRADE: 42'-14' GT GRADE: 43'-18'
GT GRADE: 22'-4' SET 8' DEEP
PG&E TO RELINQUISH @ LOC. 4 50' WC2483 CLASS 1
PG GRADE: 43'-15' GT GRADE: 22'-4'
GT GRADE: 22'-4' PG&E TO RELINQUISH @ LOC. 4
WC2483 20M PISA
PG&E TO RELINQUISH @ LOC. 8 45' GL3432-6
PG GRADE: 39'-11' GT GRADE: 22'-4'
GT GRADE: 22'-4' SET 8' DEEP
PG&E TO RELINQUISH @ LOC. 8 GL3432-6
20M PISA
PG&E TO INSTALL JP#2 @ LOC. 10 50' PG200038VP-2 CLASS 1
PG GRADE: 42'-14' GT GRADE: 22'-4' SET 8' DEEP
PG&E TO INSTALL JP#3 @ LOC. 15 50' PG200038VP-3 CLASS 1
PG GRADE: 42'-14' GT GRADE: 22'-4'
GT GRADE: 22'-4' SET 8' DEEP
PG&E TO REMOVE @ LOC. 39 50' GT03989-1
PG GRADE: 43'-17' GT GRADE: NO LONGER ON POLE
PG&E TO REMOVE @ LOC. 41 50' VERISON CA
PG GRADE: 43'-19' GT GRADE: NO LONGER ON POLE

ENGINEERING AND PLANNING DEPT.
10900 N. BLANEY AVE.
CUPERTINO, CA. 95014
NOTF: 14993500 JPA# PG# PC20038VP
DATE: 4/30/20 SHEET: 2 OF 4 REV. 0

CONSTRUCTION SKETCH		REVISION	DESCRIPTION	VOLTAGE AREA: 21 KV	VOLTAGE AREA: 12 KV	LATITUDE: 37.127638	LONGITUDE: -121.655088	SOURCE SIDE DEVICE: 5041	SUB & CIRCUIT: MORGAN HILL 2104	DSGN. SAG: SSU	RAPTOR ZONE: YES
HALE AVE & WEST MAIN AVE	MORGAN HILL	NO.	DATE								

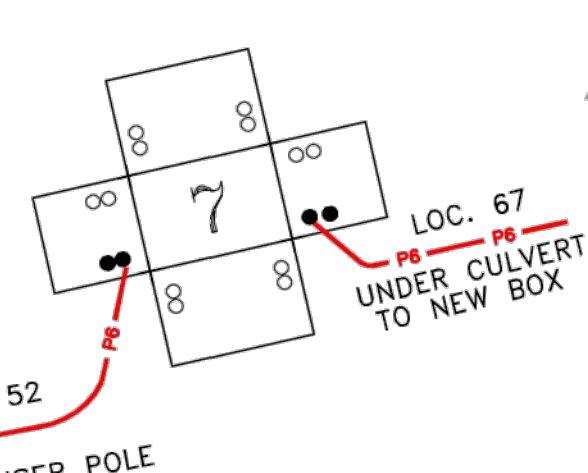
SANTA CLARA COUNTY
PACIFIC GAS & ELECTRIC COMPANY

LEGEND

- [P1] = APPLICANT TO INSTALL 4'6"X8'6"X 6' (IVT) PRIMARY ENCLOSURE
- [P2] = PG&E TO INSTALL 3-1100A EPR UG PRIMARY CABLE IN EXISTING 6" PRIMARY CONDUIT
- [P3] = PG&E TO RE-ROUTE EXISTING UG PRIMARY CABLE IN (1)-6" PVC (MINIMUM SCHEDULE 40) PRIMARY CONDUIT BY APPLICANT
- [P4] = PG&E TO INSTALL 3-1100A EPR UG PRIMARY CABLE IN (1)-6" PVC (MINIMUM SCHEDULE 40) PRIMARY CONDUIT BY APPLICANT
- [P5] = PG&E TO INSTALL 3-1100A EPR UG PRIMARY CABLE IN (1) 6" PVC CONDUIT IN (1) 12' STEEL CASING BY APPLICANT
- [D6] = INSTALL (1)-6" PVC (MINIMUM SCHEDULE 40) PRIMARY CONDUIT BY APPLICANT
- [S7] = PG&E TO INSTALL 4/0A TPX(600V) UG SECONDARY CABLE IN (1)-3" PVC (MINIMUM SCHEDULE 40) SECONDARY CONDUIT BY APPLICANT
- [A8] = PG&E TO INSTALL NEW JOINT ANCHOR AND DOWN GUYS
- [B9] = EXISTING 4'6"X8'6"X6' PRIMARY SPLICE BOX
- [C10] = PG&E TO INSTALL NEW POLES
- [D11] = PG&E TO INSTALL 900 AMP RISER SWITCHES AS SHOWN

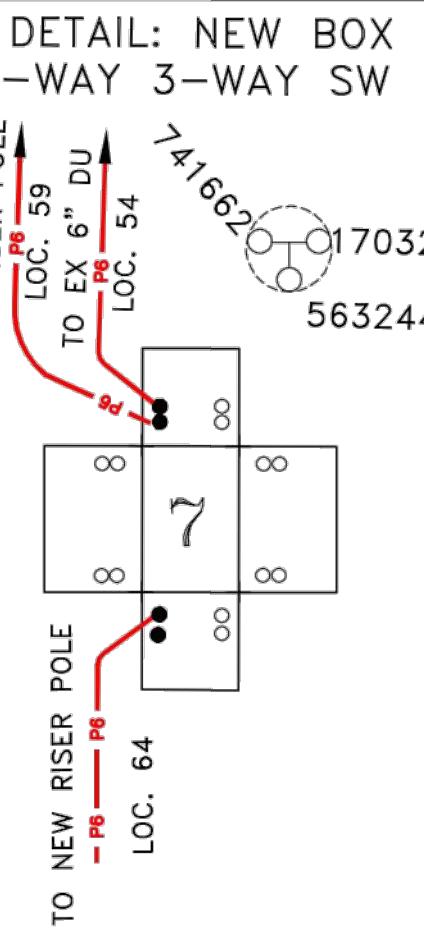
LOC.56

DETAIL: NEW BOX PRIMARY SPLICE



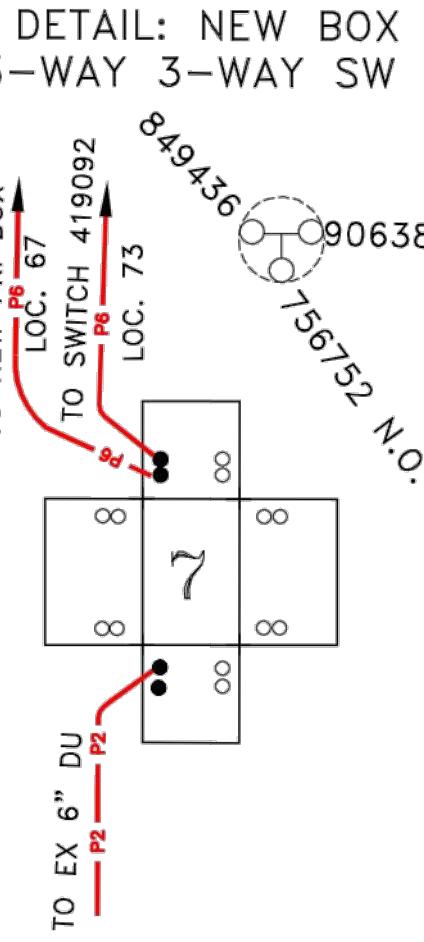
LOC.66

DETAIL: NEW BOX 3-WAY 3-WAY SW



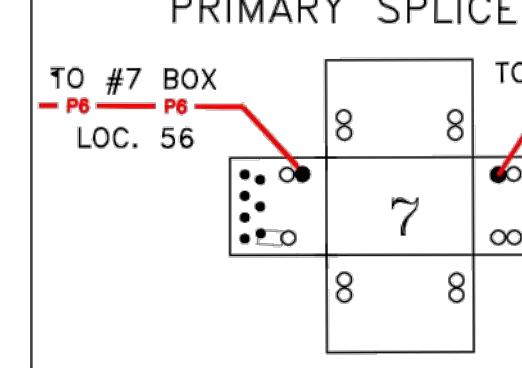
LOC.69

DETAIL: NEW BOX 3-WAY 3-WAY SW

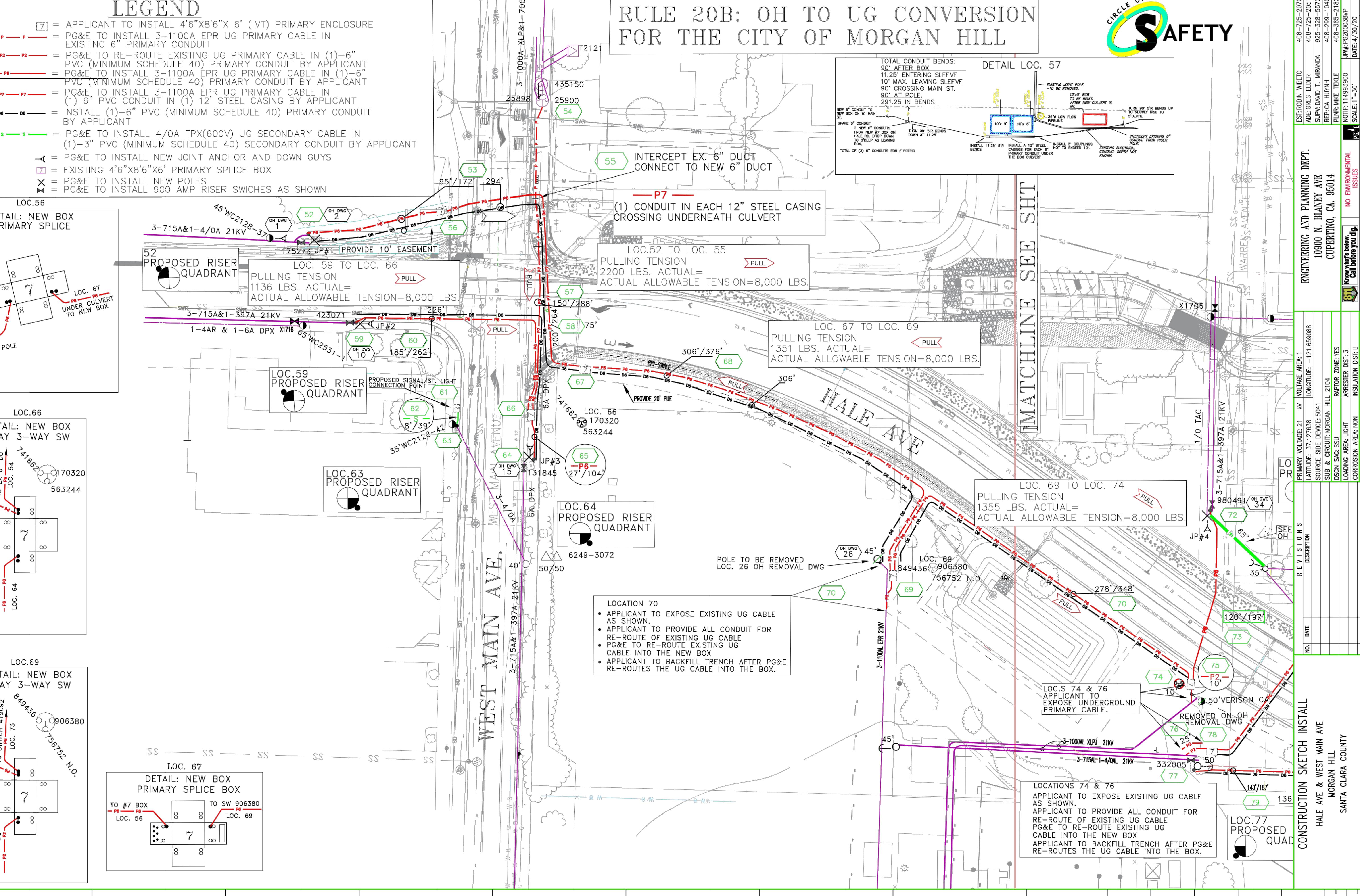


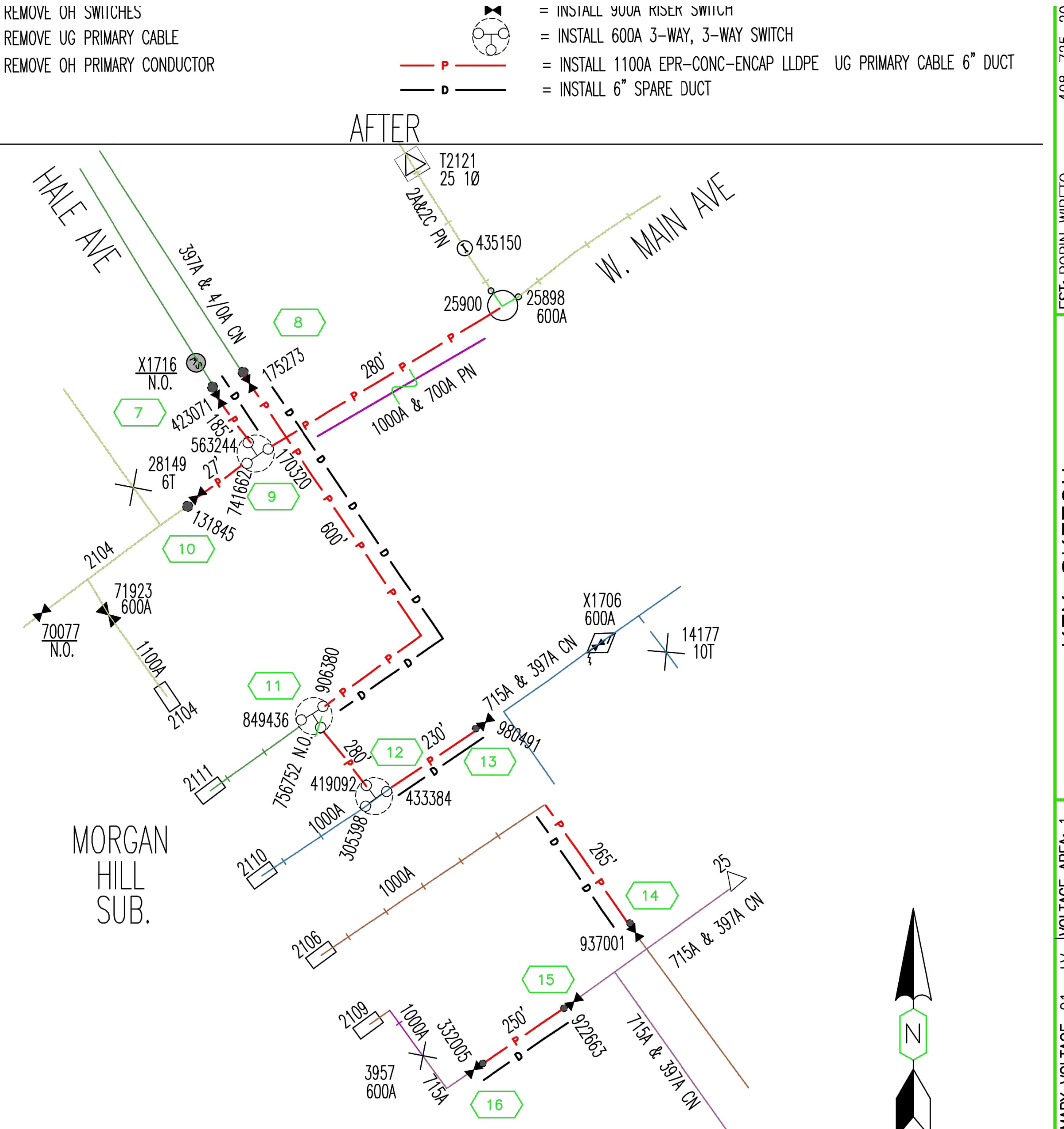
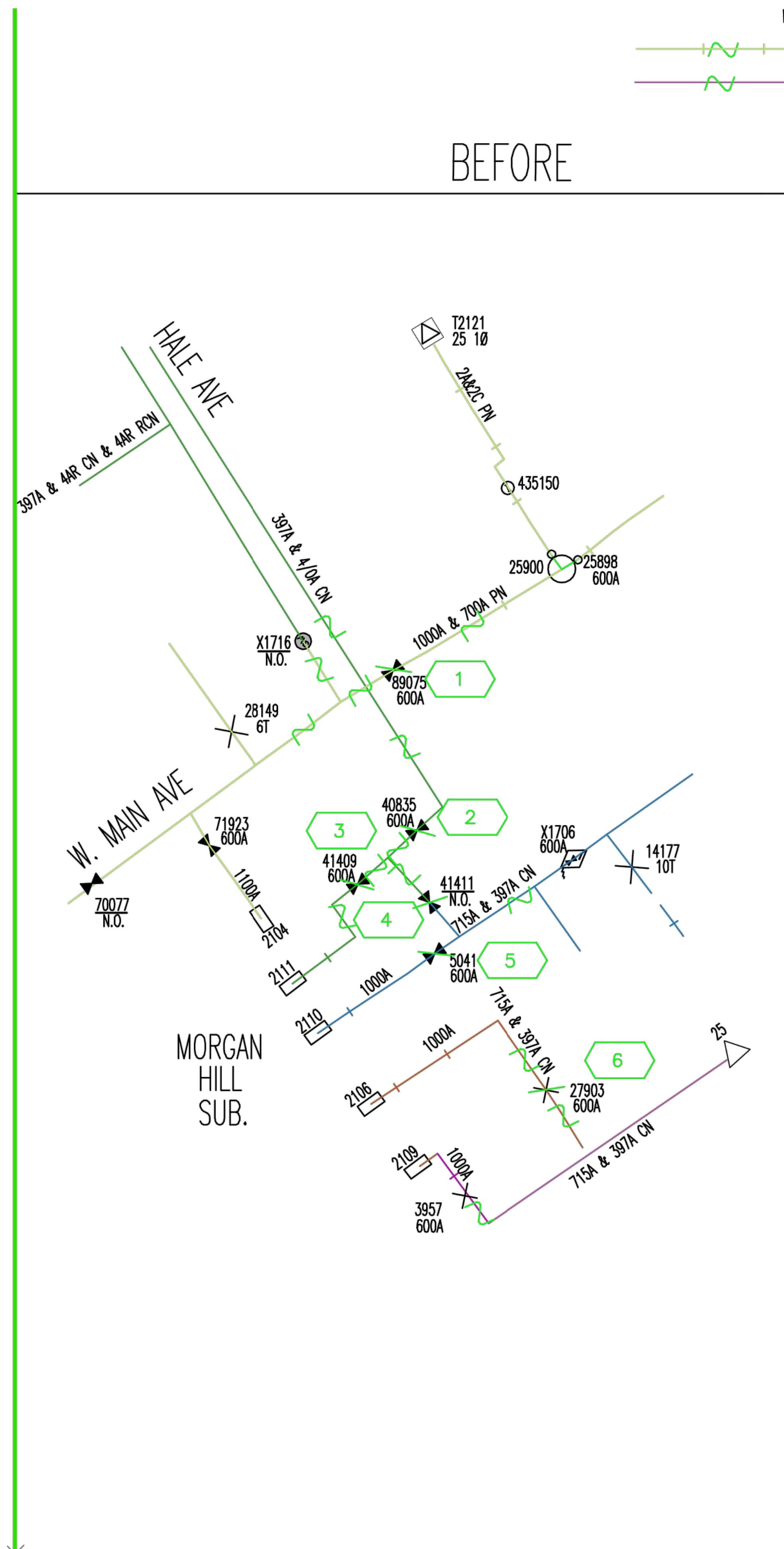
LOC. 67

DETAIL: NEW BOX PRIMARY SPLICE BOX



RULE 20B: OH TO UG CONVERSION FOR THE CITY OF MORGAN HILL



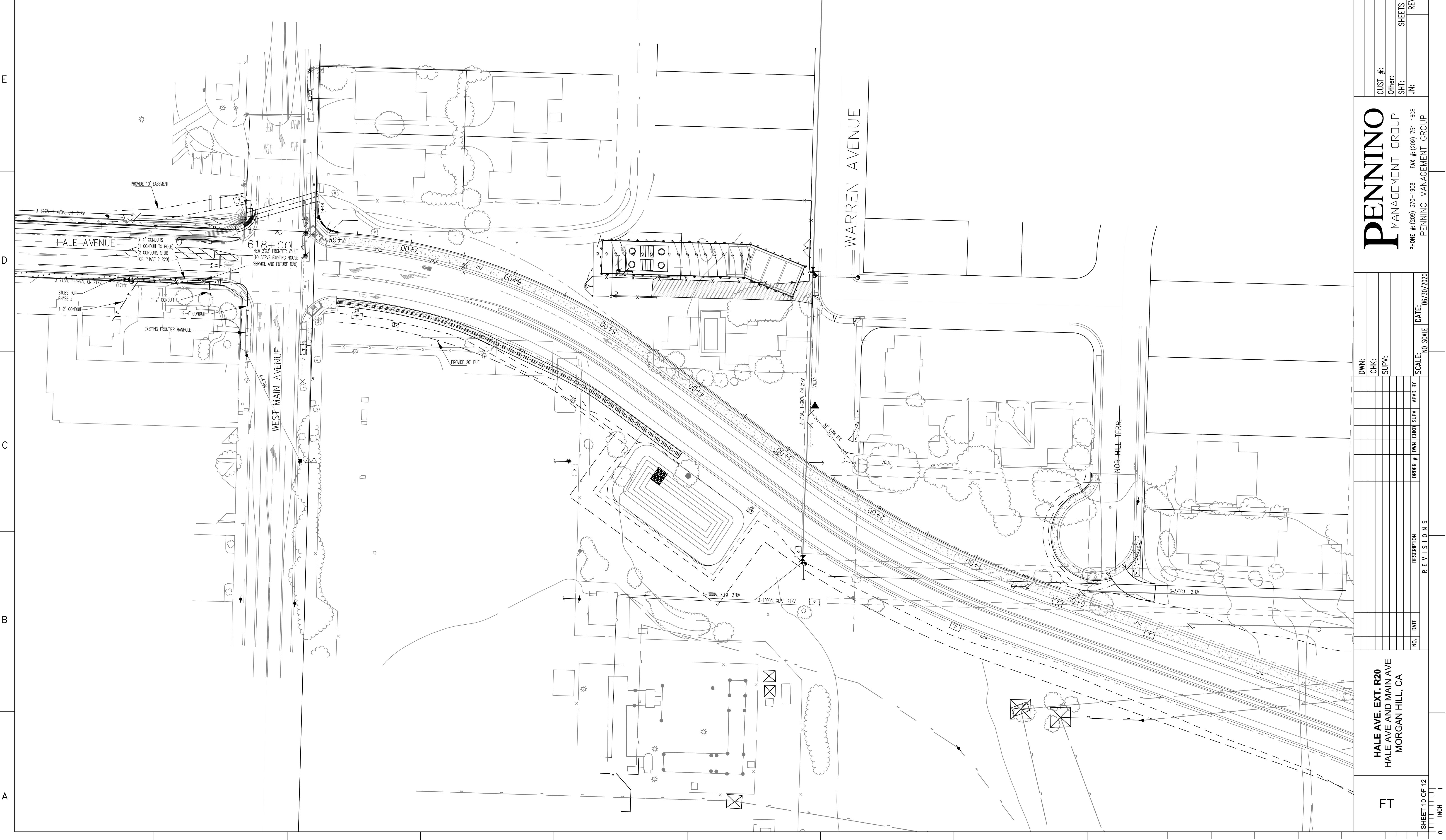


PRIMARY VOLTAGE: 71 KV	VILLAGE AREA: 1	EST: RUBIN WIBETU	408-725-20
LATITUDE: 37.127638	LONGITUDE: -121.659088	ADE: GREG ELDER	408-725-20
SOURCE SIDE DEVICE: 5041		SUPV: DAVID T. MIRANDA	925-328-55
SUB & CIRCUIT: MORGAN HILL	2104,06,09,10&11	REP: CA HUYNH	408-299-10
DSGN SAG: SSU		PLNR: MIKE TEKLE	408-299-21
LOADING AREA: LIGHT		NOTIF: 114993900	JPA#: PG200038VP
CORROSION AREA: NON		SCALE: N/A	DATE: 04/27/2020
EXEMPT EQUIP/INST.:		NEAR LOC: NA	SHEET: 1 OF 1 REV.
FIRE AREA:		GAS CONFLICT:	

APPROVED TELEPHONE DRAWING (2)

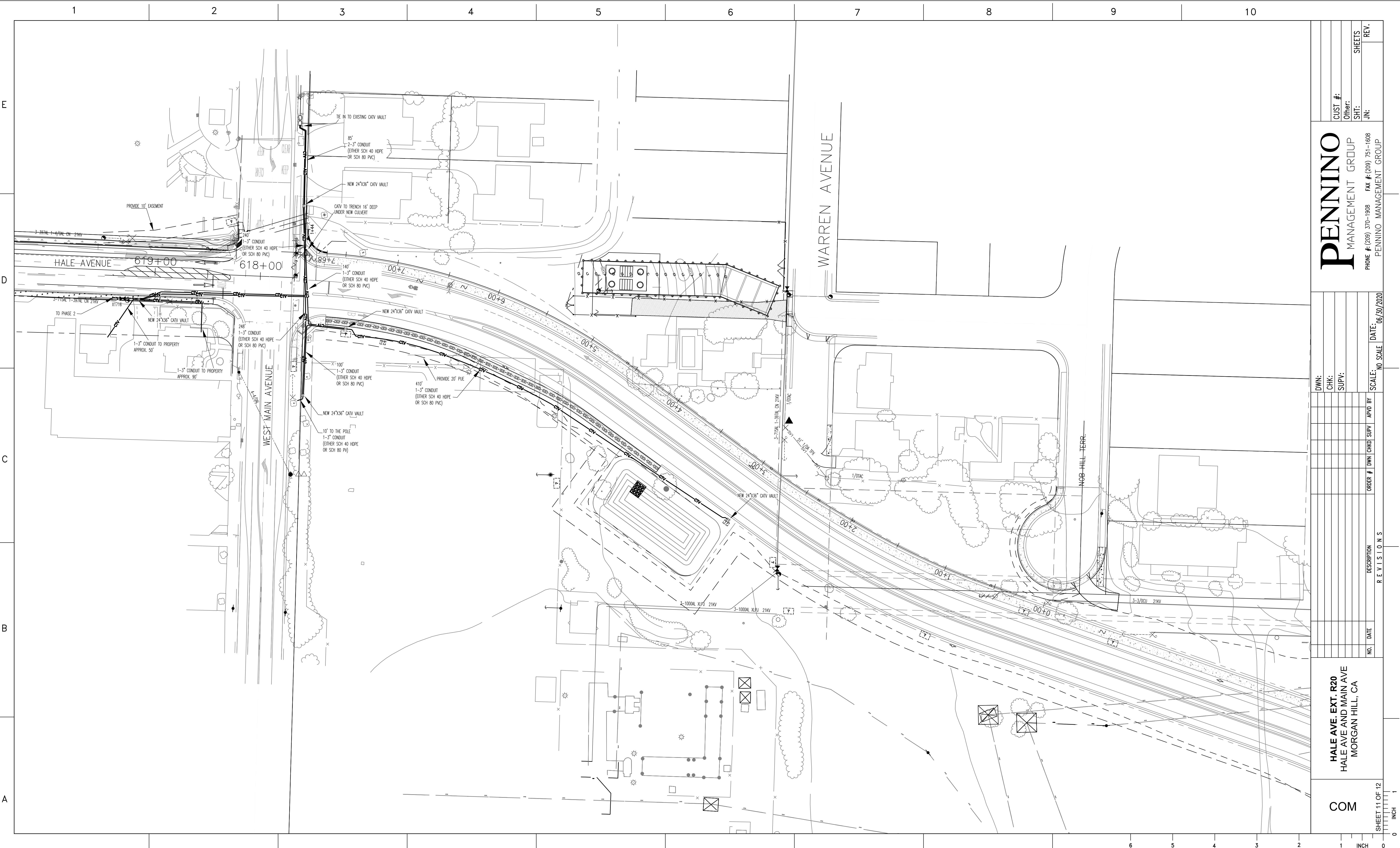
DRY UTILITIES

1 2 3 4 5 6 7 8 9 10



DRY UTILITIES

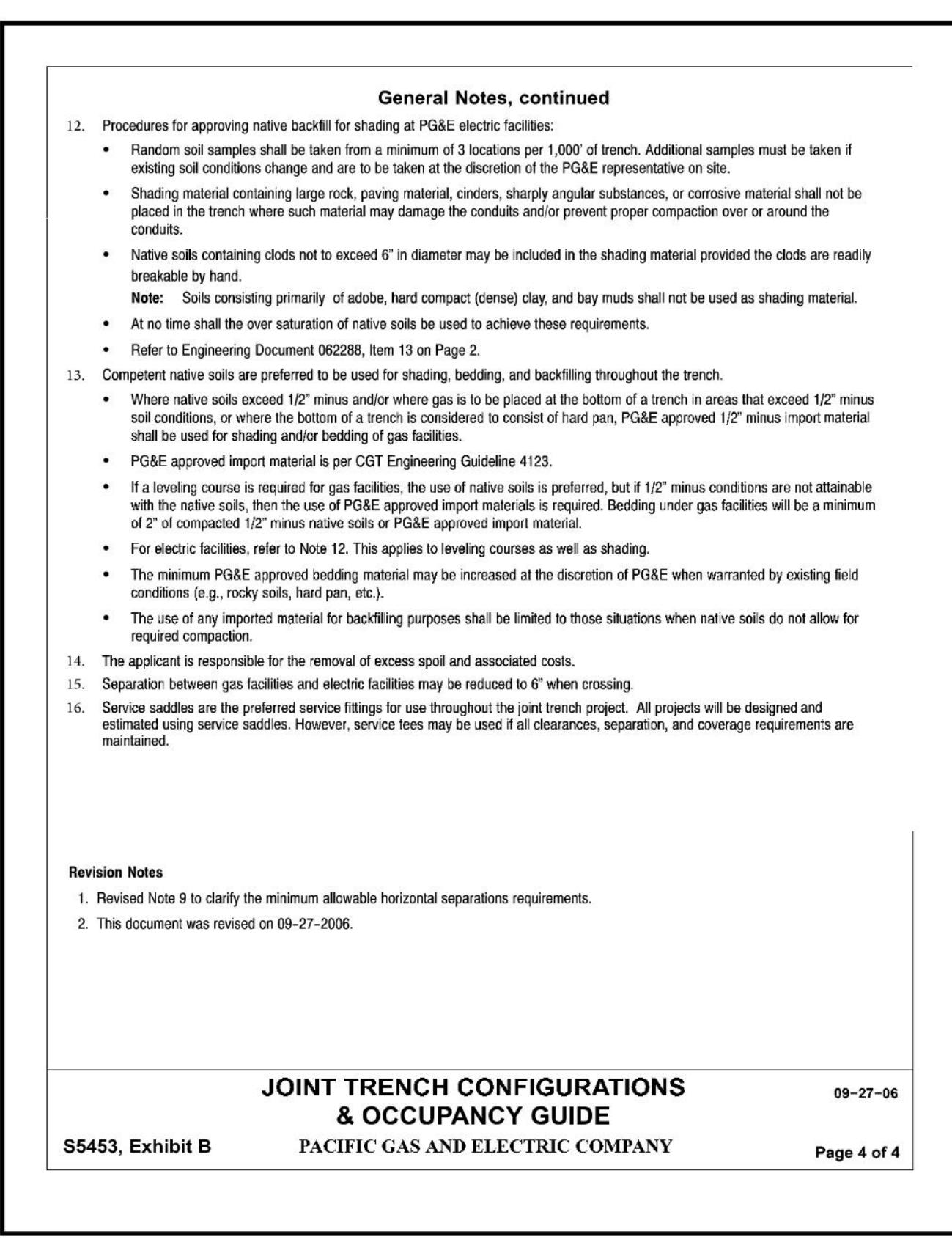
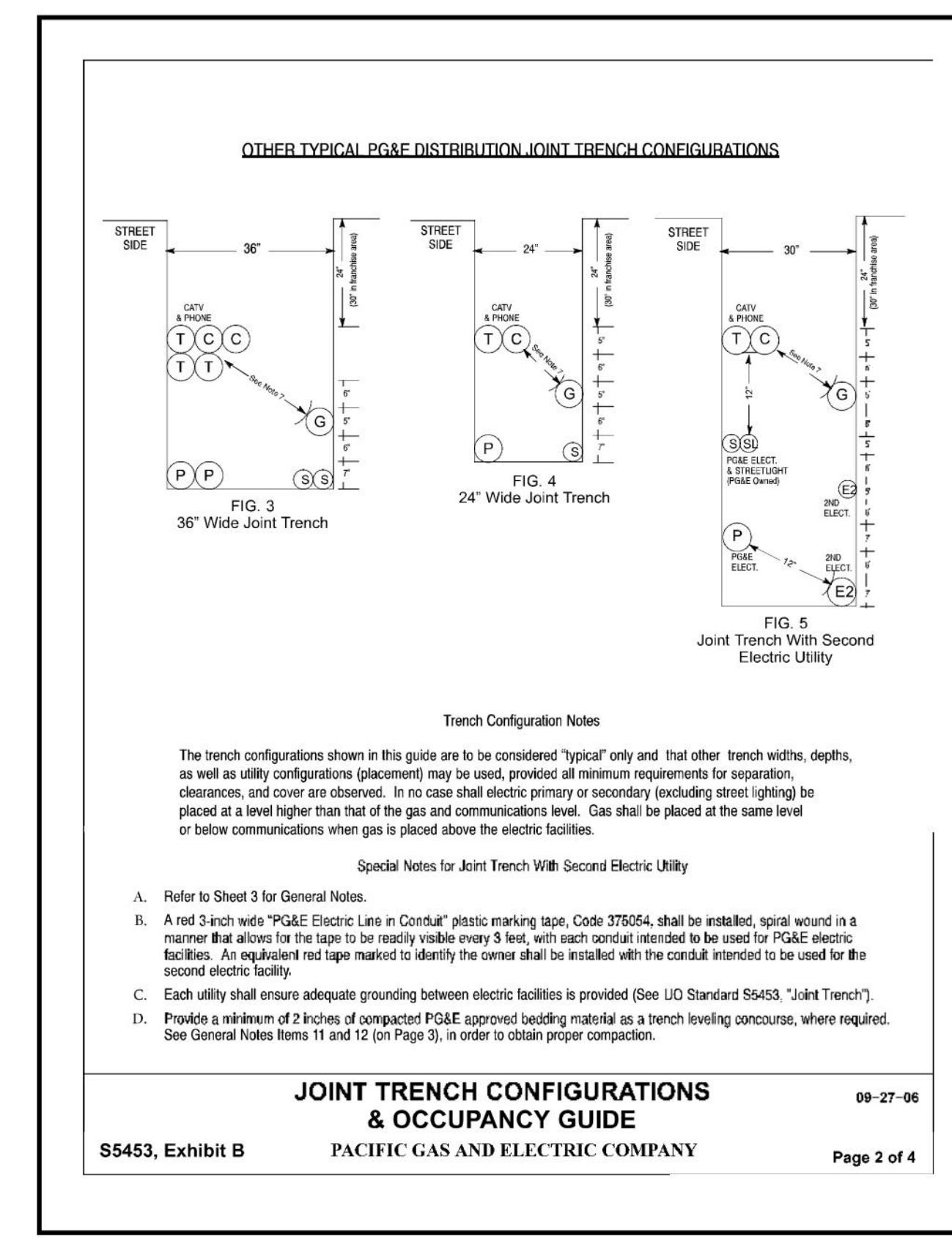
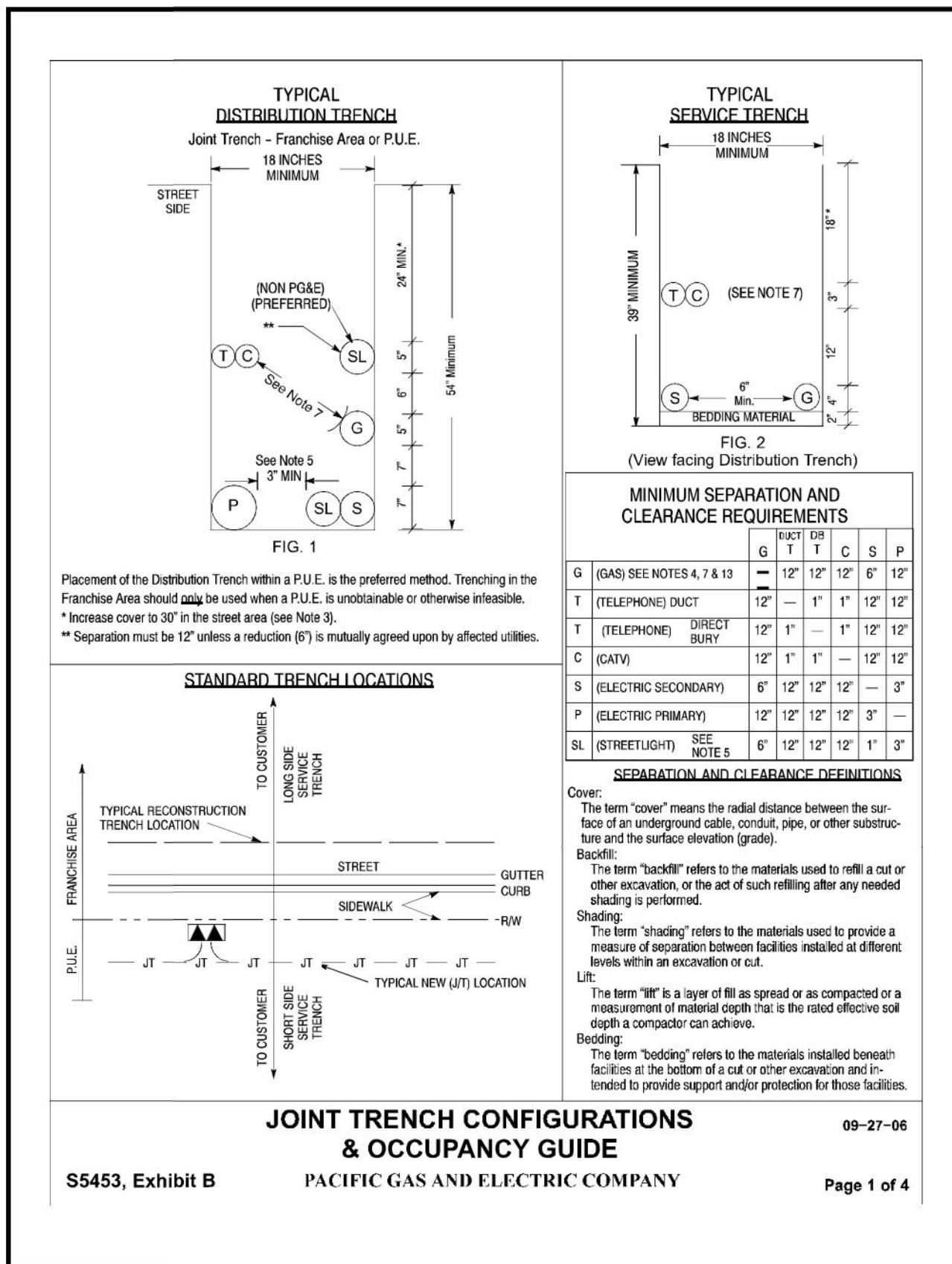
APPROVED CATV DRAWING



DRY UTILITIES

PG&E SPECIFICATIONS

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10



PENNINO MANAGEMENT GROUP	
CUST #:	
Other:	
SH#:	
JN:	
REV.:	
FAX #: (209) 751-8088	
PHONE #: (209) 370-1908	
PENNINO MANAGEMENT GROUP	
DWN:	
CHK:	
SUPV:	
SCALE:	
NO SCALE:	
DATE:	

