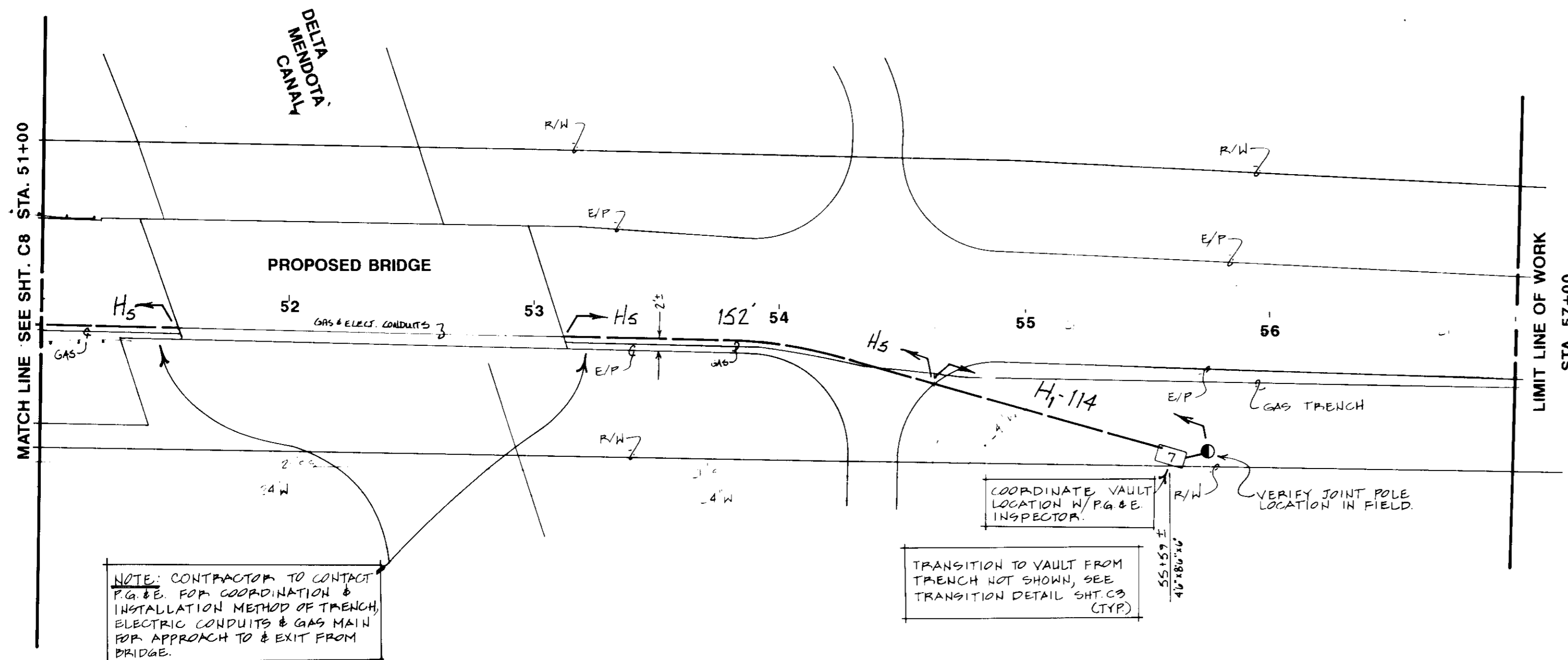


REVISIONS	

**JOINT TRENCH COMPOSITE & CONDUIT PLAN**  
**PATTERSON PASS BUSINESS PARK - TR.2450**  
**KING & LYONS**  
**SAN JOAQUIN COUNTY, CALIF.**

**PRECISION PLANNING**  
 Utility Consulting • Composites • Estimates  
 Street Lighting Planning and Design  
 11740 Dublin Blvd. • Suite 200 • Dublin, CA 94568 • (415) 829-2530

DATE: **APRIL 1991**  
 SCALE: **1"=40'**  
 DRAWN: **DA/FY**  
 JOB NO.: **9105**  
 SHEET: **C9**  
 OF C9 SHEETS

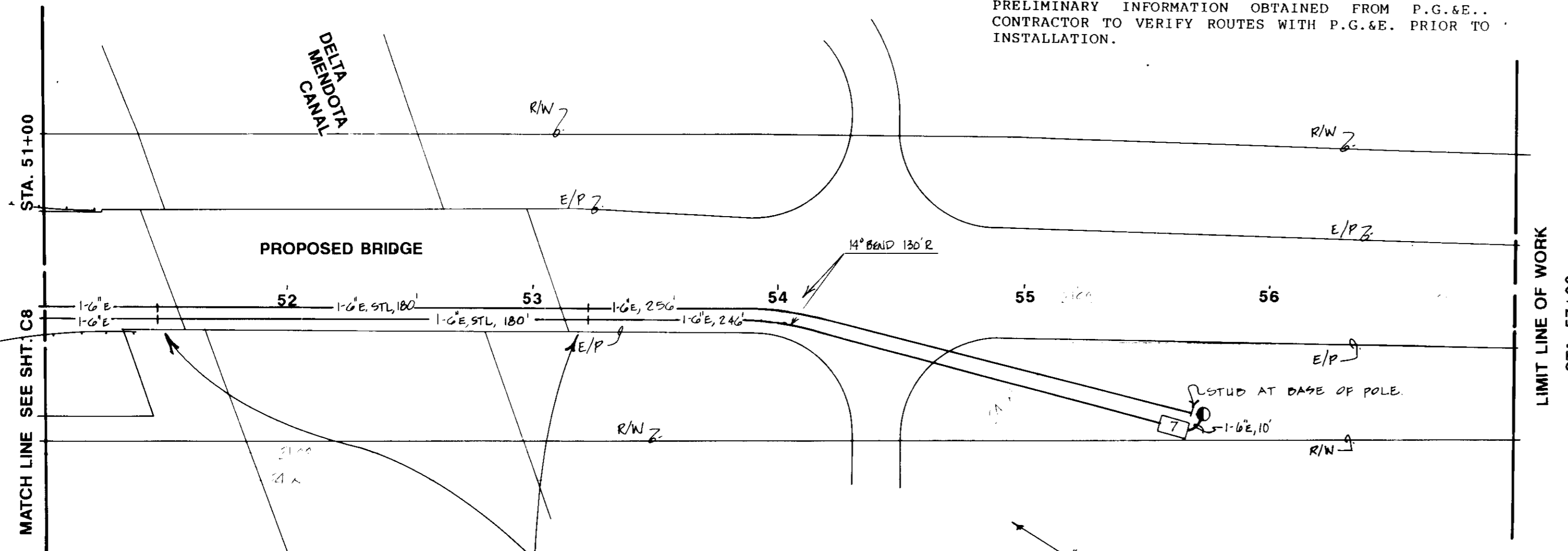


NOTE: CONTRACTOR TO CONTACT P.G.&E. FOR COORDINATION & INSTALLATION METHOD OF TRENCH, ELECTRIC CONDUITS & GAS MAIN FROM APPROACH TO & EXIT FROM BRIDGE.

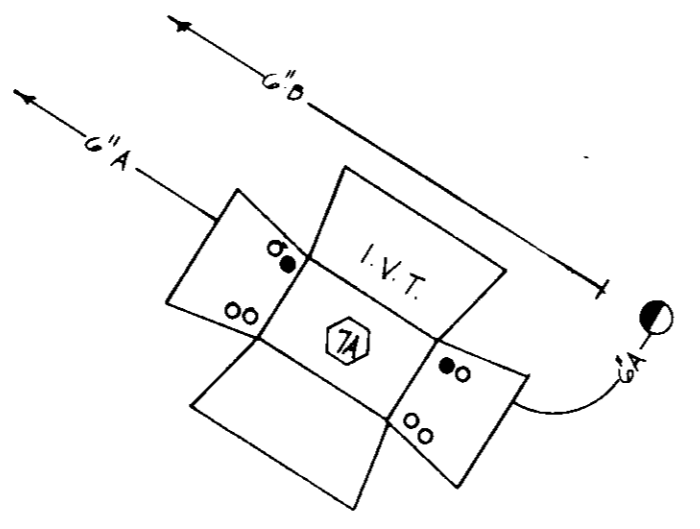
NOTE: SEE P.G.&E. AND SVERDRUP PLANS FOR CONDUIT BRIDGE XING DETAIL.

**COMPOSITE**

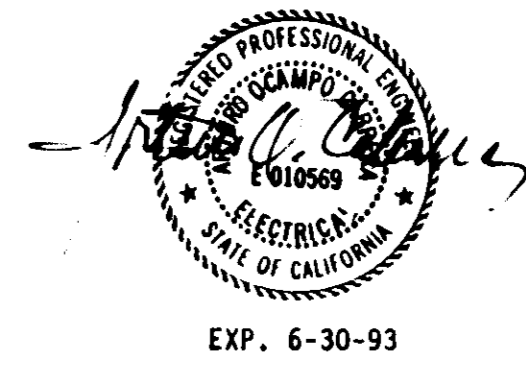
- NOTE:**
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**CONDUIT**

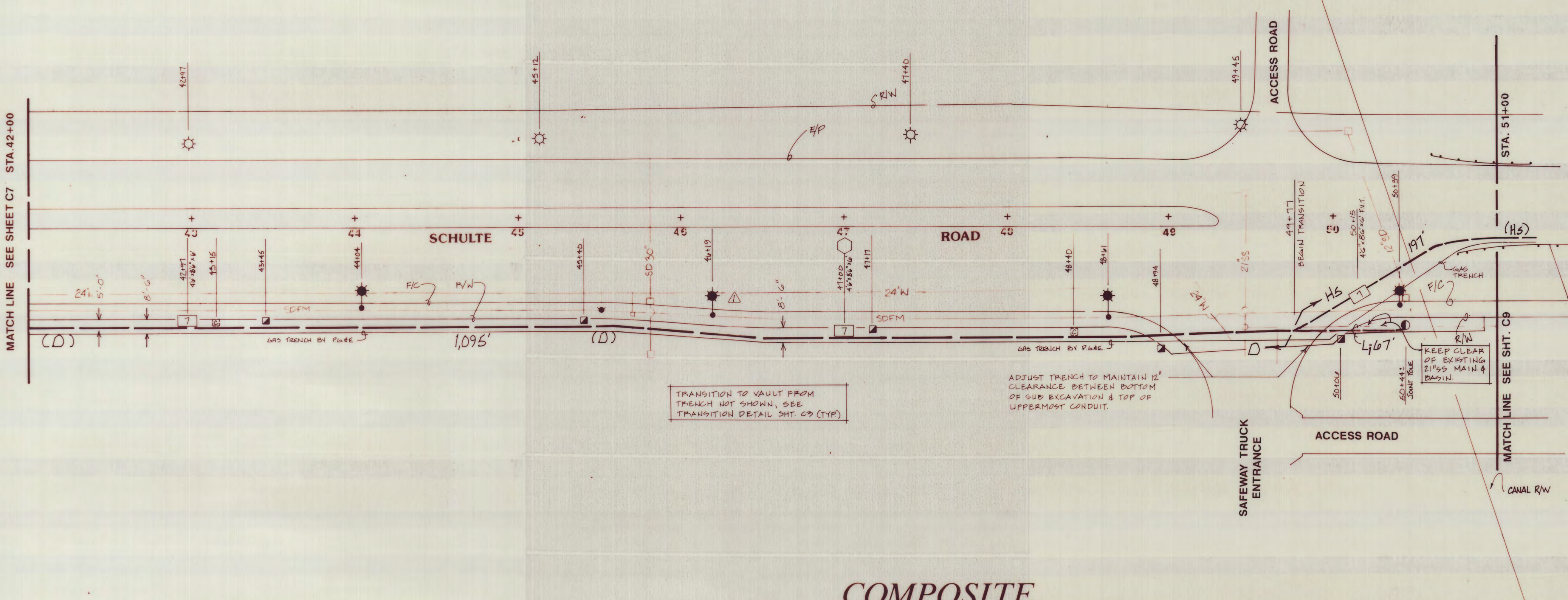


S112015

**JOINT TRENCH OCCUPANCY GUIDE**

SECTION	G	T	C	S	P
A*	X	X	X	X	X
B*	X	X	X	X	X
C*	X	X	X	X	X
D*	X	X	X	X	X
E*	X	X	X	X	X
F*	X	X	X	X	X
G*	X	X	X	X	X
H*	X	X	X	X	X
I	X	X	X	X	X
J	X	X	X	X	X
K	X	X	X	X	X
L	X	X	X	X	X
M	X	X	X	X	X
N	X	X	X	X	X
O	X	X	X	X	X
P	X	X	X	X	X
Q	X	X	X	X	X
R	X	X	X	X	X
S	X	X	X	X	X
T	X	X	X	X	X
U	X	X	X	X	X
V	X	X	X	X	X
W	X	X	X	X	X

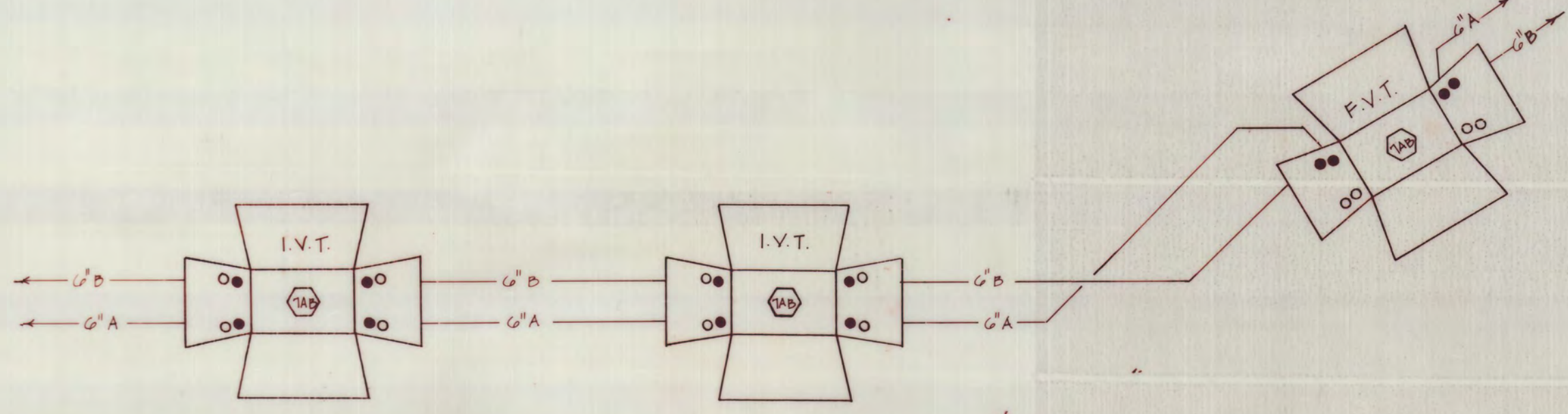
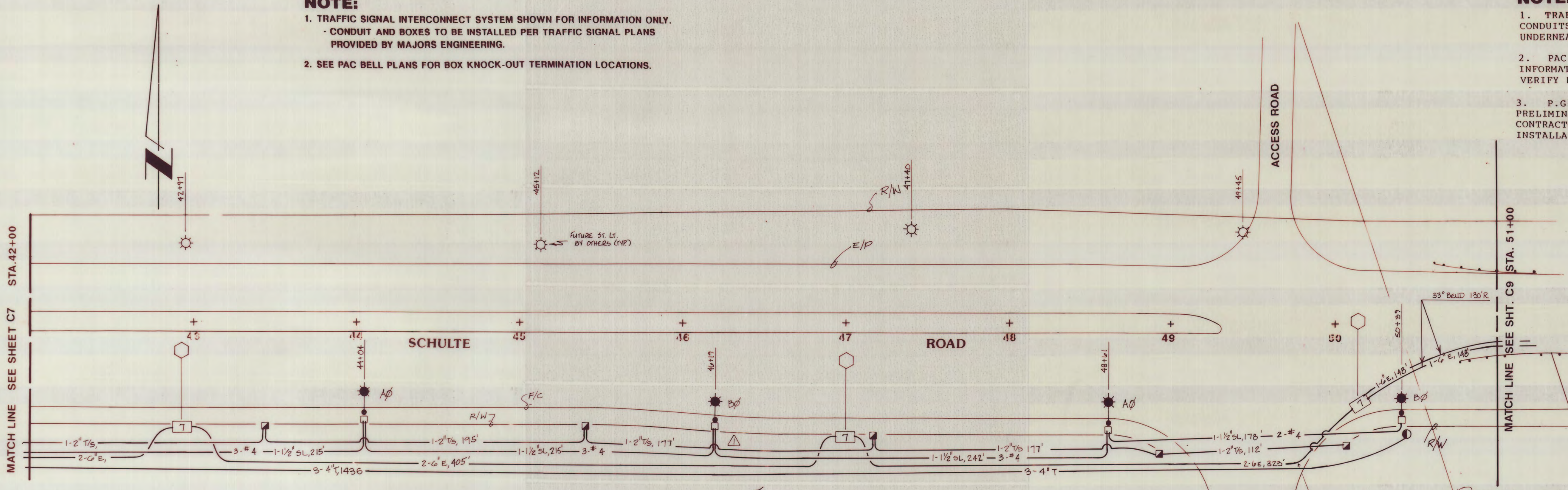
\* THESE SECTIONS MAY OR MAY NOT CONTAIN SECONDARY



**COMPOSITE**

**NOTE:**  
 1. TRAFFIC SIGNAL INTERCONNECT SYSTEM SHOWN FOR INFORMATION ONLY. CONDUIT AND BOXES TO BE INSTALLED PER TRAFFIC SIGNAL PLANS PROVIDED BY MAJORS ENGINEERING.  
 2. SEE PAC BELL PLANS FOR BOX KNOCK-OUT TERMINATION LOCATIONS.

**NOTE:**  
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**CONDUIT**



- NOTES:**
1. CALL U.S.A. TO FIELD VERIFY TRENCH LOCATION.
  2. COORDINATE TIE IN WITH UTILITY COMPANY AS REQUIRED.



**REVISIONS**

1	12/18/91	Remove boxes, eliminate 1' conduit per Fig. Bell

**JOINT TRENCH COMPOSITE & CONDUIT PLAN**  
**PATTERSON PASS BUSINESS PARK - TR.2450**  
**KING & LYONS**  
**SAN JOAQUIN COUNTY, CALIF.**

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DATE: APRIL 1991  
 SCALE: 1" = 40'  
 DRAWN: DA/FY  
 JOB NO: 9105  
 SHEET: C8  
 OF C9 SHEETS

Schulte

REVISIONS	
1	2-18-91 Remove boxes & eliminate 1 Conduit per Pac Bell

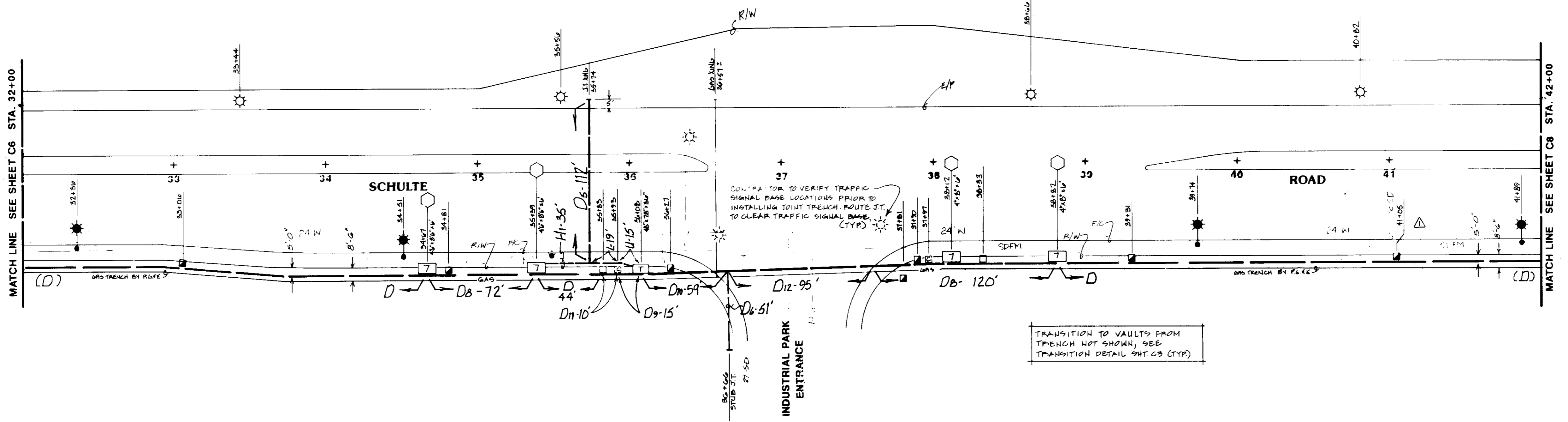
**JOINT TRENCH COMPOSITE & CONDUIT PLAN**  
**PATTERSON PASS BUSINESS PARK - TR.2450**  
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DATE: **APRIL 1991**  
 SCALE: **1" = 40'**  
 DRAWN: **DA/FY**  
 JOB NO.: **9105**  
 SHEET: **C7**

JOINT TRENCH OCCUPANCY GUIDE				
SECTION	G	T	C	S
A*	X	X	X	X
B*	X	X	X	X
C*	X	X	X	X
D*	X	X	X	X
E*	X		X	X
F*	X	X	X	X
G*			X	X
H*			X	X
I	X	X	X	X
J	X	X		
K	X	X	X	
L	X	X	X	
M	X	X	X	X
N	X	X	X	X
O	X	X	X	X
P	X	X	X	X
Q	X		X	X
R	X	X	X	X
S			X	X
T	X		X	X
U		X		
V		X		
W			X	

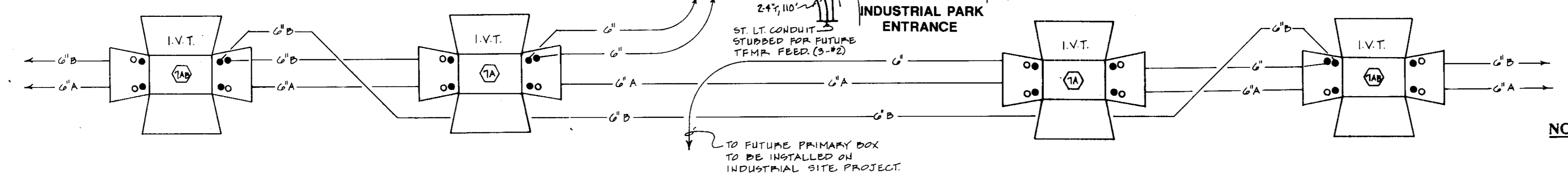
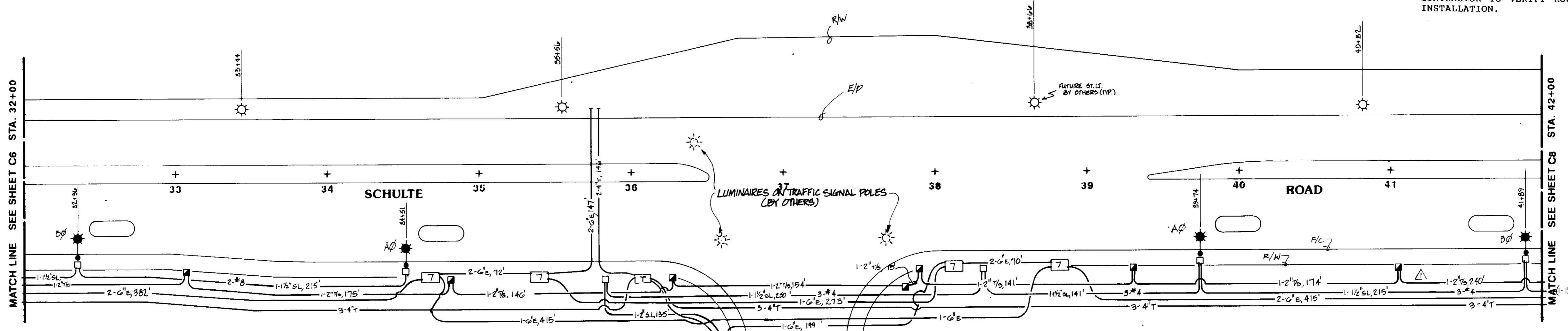
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**COMPOSITE**

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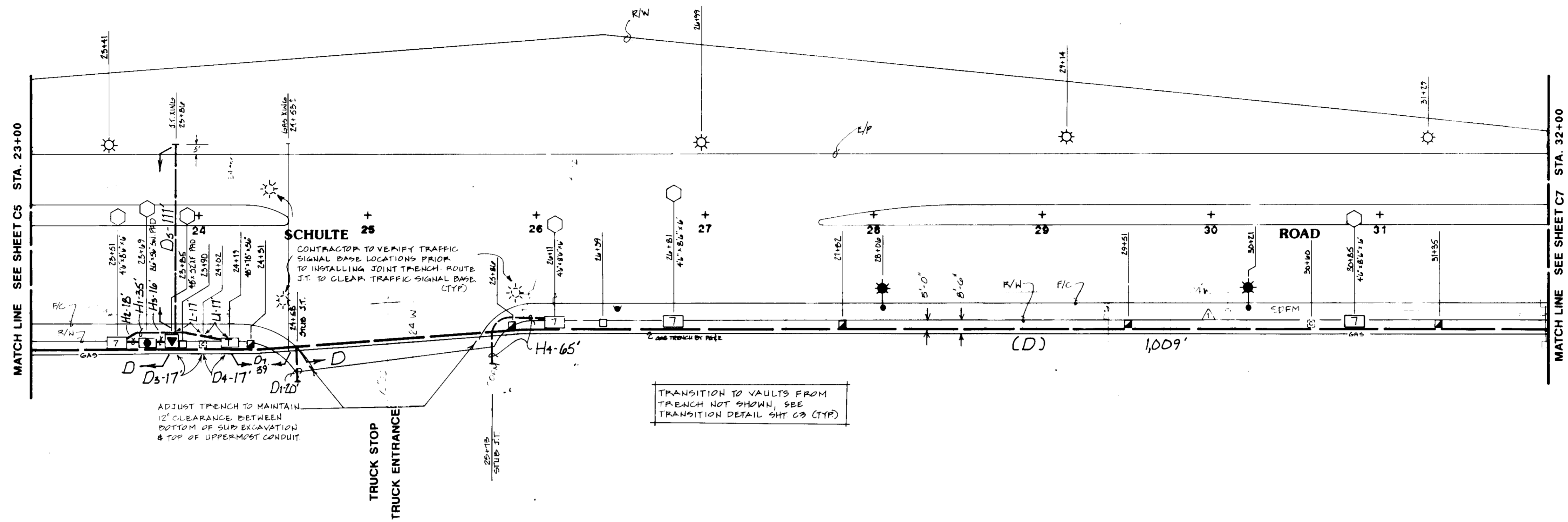


**CONDUIT**

SU2017

JOINT TRENCH OCCUPANCY GUIDE					
SECTION	G	T	C	S	P
A*	X	X	X	X	X
B*	X	X	X	X	X
C*	X	X	X	X	X
D*	X	X	X	X	X
E*	X				
F*		X	X	X	X
G*			X	X	X
H*				X	X
I	X	X	X		
J	X	X	X		
K	X	X	X		
L		X	X		
M	X	X	X	X	
N	X	X	X	X	
O	X	X	X	X	
P		X	X	X	
Q	X			X	
R		X	X	X	
S			X	X	X
T	X				
U		X			
V			X		
W				X	

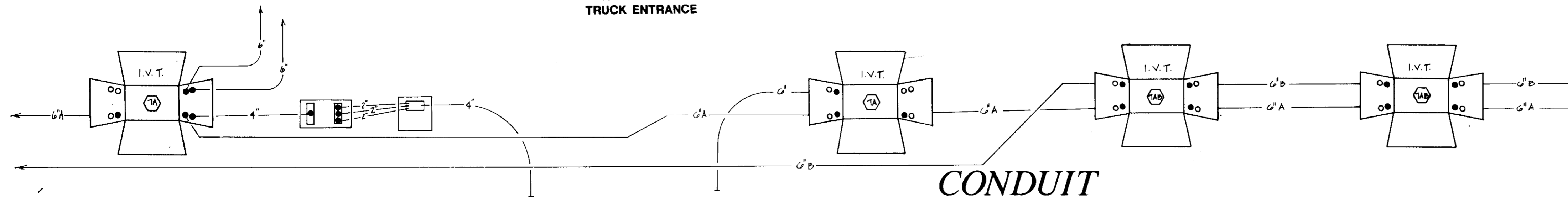
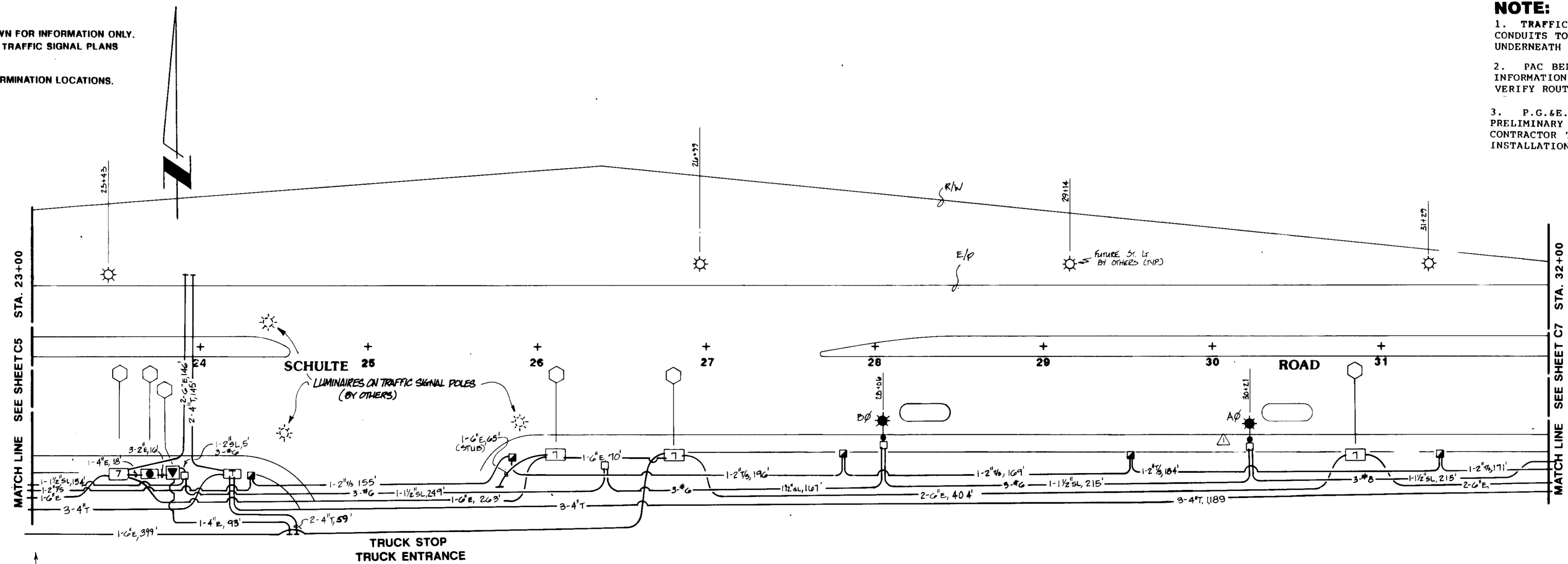
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COMPOSITE

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REVISIONS	
1	12/18/91 Remove boxes (4' limit) 1 Conduit per Pac Bell
2	
3	
4	
5	
6	
7	
8	
9	
10	

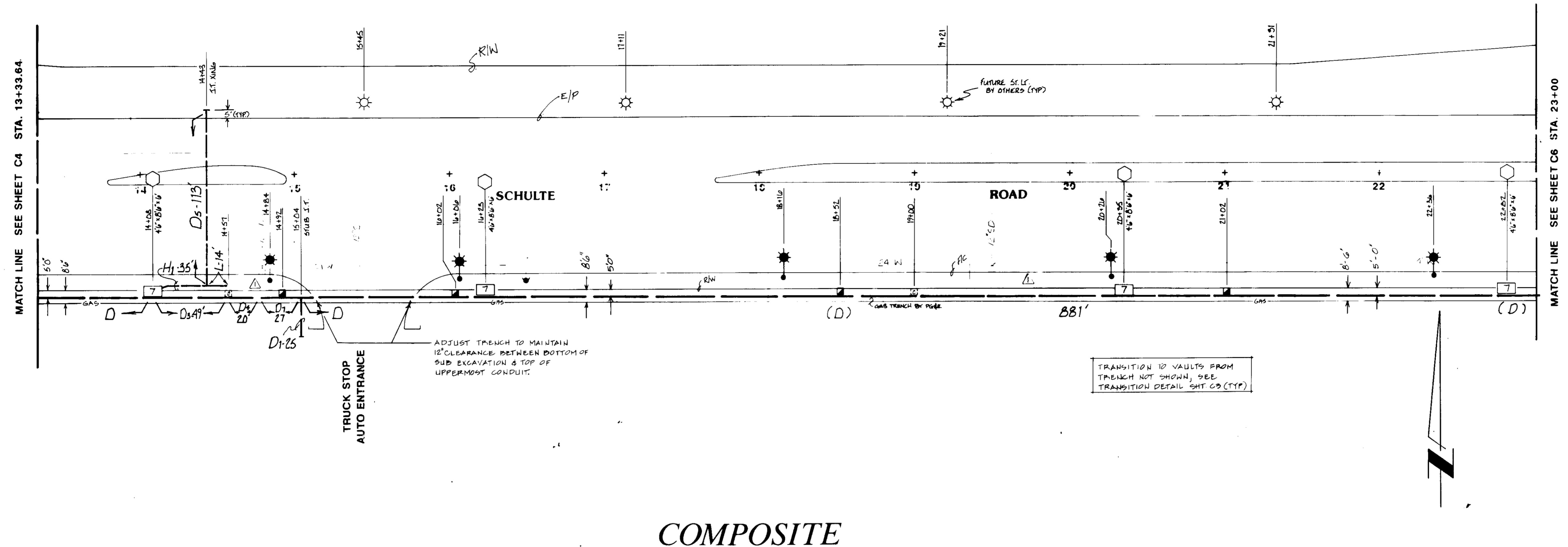
JOINT TRENCH COMPOSITE & CONDUIT PLAN  
 PATTERSON PASS BUSINESS PARK - TR.2450  
 KING & LYONS SAN JOAQUIN COUNTY, CALIF.

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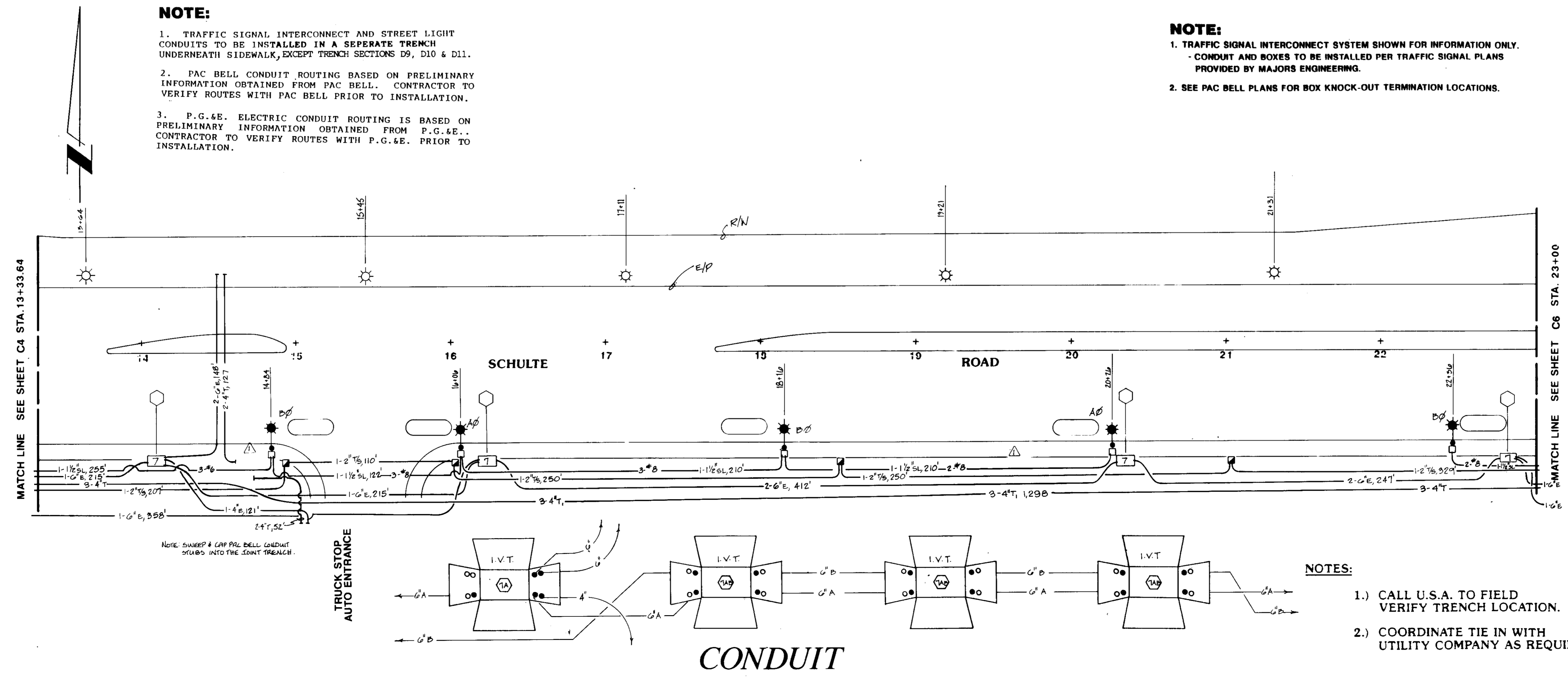
DATE	APRIL 1991
SCALE	1" = 40'
DRAWN	DA/FY
JOB NO.	9105
SHEET	C6
OF C9 SHEETS	

SUN 2/10/91

REVISIONS	
△	12/18/91 Remove boxes & eliminate 1 conduit per Pac Bell
△	
△	
△	
△	
△	



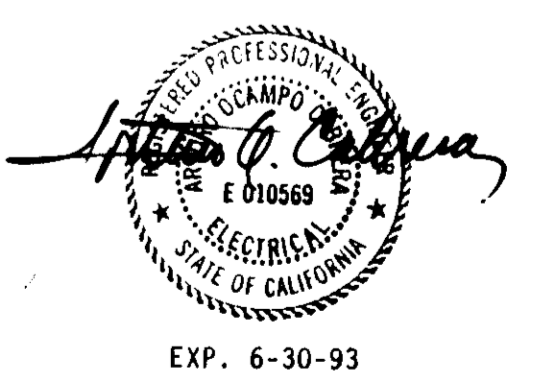
**COMPOSITE**



**CONDUIT**

**JOINT TRENCH COMPOSITE & CONDUIT PLAN**  
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EXP. 6-30-93

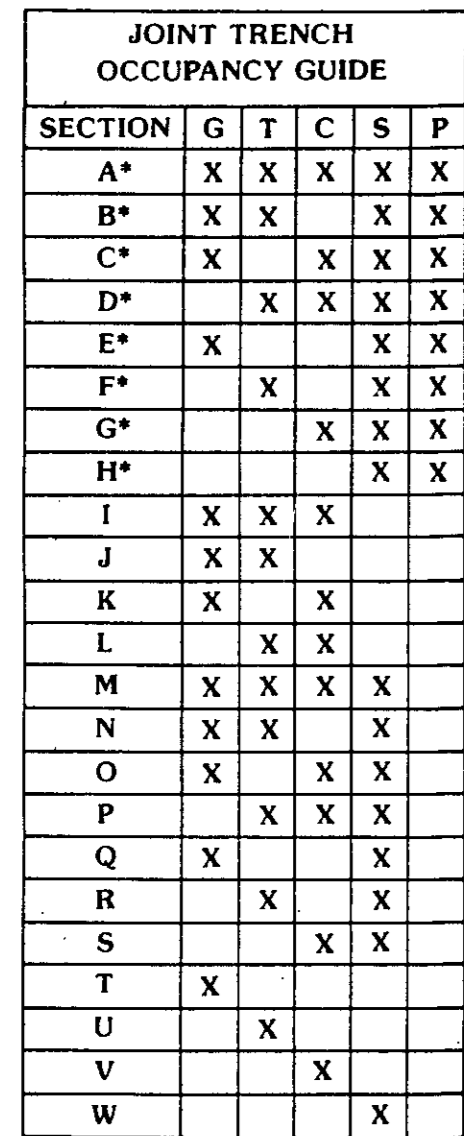


- NOTES:**
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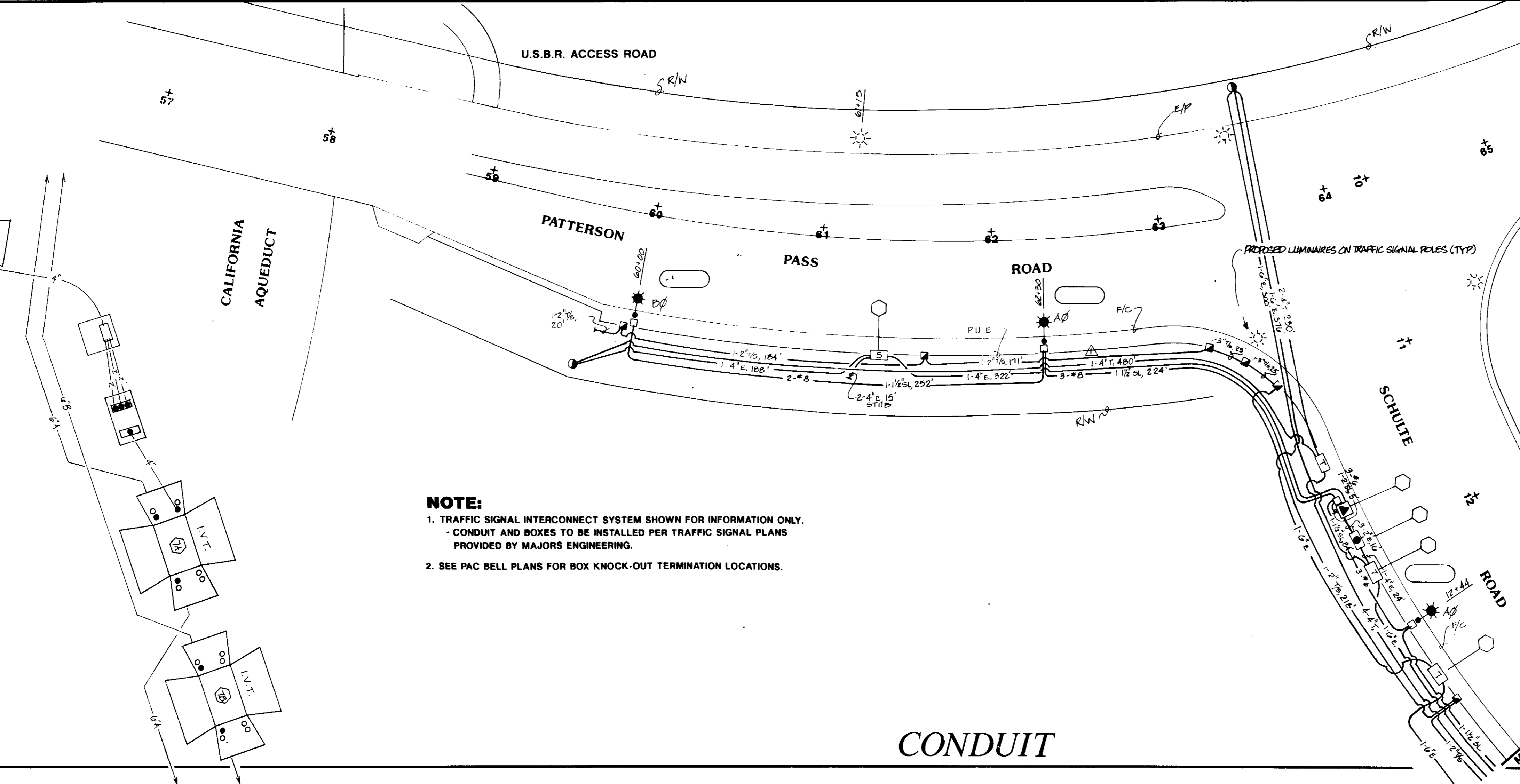
Su 2/19/99

JOINT TRENCH OCCUPANCY GUIDE				
SECTION	G	T	C	S
A*	X	X	X	X
B*	X	X	X	X
C*	X	X	X	X
D*	X	X	X	X
E*	X	X	X	X
F*	X	X	X	X
G*			X	X
H*			X	X
I	X	X	X	
J	X	X		
K	X	X	X	
L	X	X	X	
M	X	X	X	X
N	X	X	X	X
O	X	X	X	X
P	X	X	X	X
Q	X	X	X	X
R	X	X	X	X
S	X	X	X	X
T	X	X	X	X
U	X	X	X	X
V	X	X	X	X
W	X	X	X	X

\* THESE SECTIONS MAY OR MAY NOT CONTAIN SECONDARY



COMPOSITE



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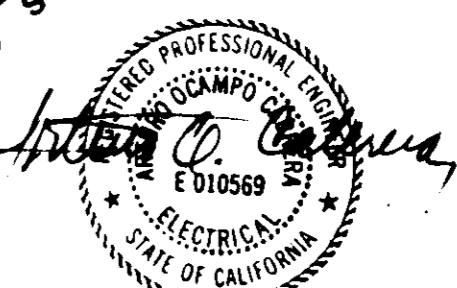
**NOTES:**  
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REVISIONS	
12.28.91	Eliminate one conduit per Section

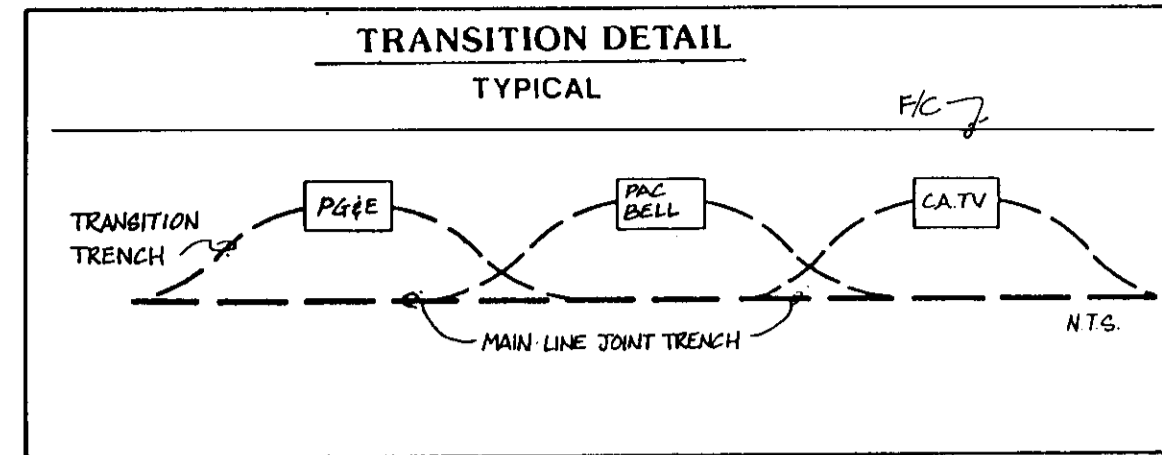
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DATE	APRIL 1991
SCALE	1" = 40'
DRAWN	DA/FY
JOB NO.	9105
SHEET	C4
OF C9 SHEETS	

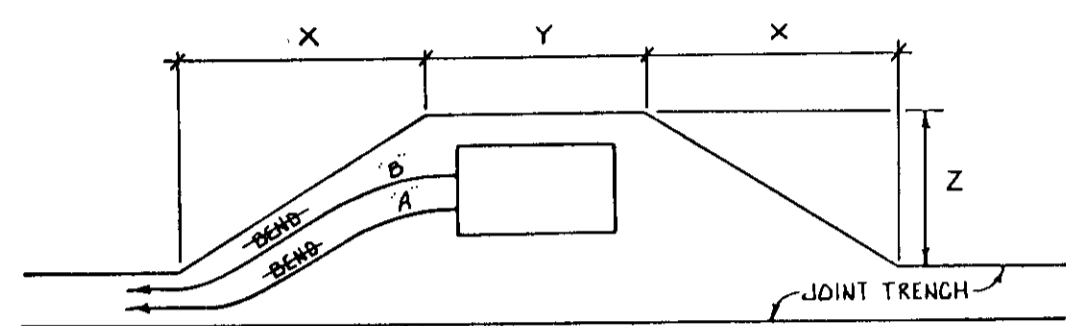


Shale 20



- 1) CONTRACTOR TO EXCAVATE TRANSITIONS FROM MAIN-LINE TRENCH TO VAULTS AS REQUIRED BY EACH UTILITY.
- 2) TRANSITIONS NOT SHOWN ON COMPOSITE DRAWING FOR CLARITY.
- 3) CONTRACTOR TO INCLUDE COST OF TRANSITIONS IN VAULT EXCAVATION COSTS.

ALL PG&E ELECTRIC CONDUIT TRANSITIONS TO BE SWEEPED INTO VAULT KNOCK-OUTS- NO BENDS ALLOWED. CONTRACTOR TO ADJUST TRENCH ACCORDINGLY.



PRIMARY BOX SIZE	DISTANCE (WHEN C.I.C. ENTERS BOX @ "A")		
3' x 5'	"X"	"Y"	"Z"
4'6" x 8'6"	10'	7'	5'
4'6" x 8'6"	10'	11'	7'

PRIMARY BOX SIZE	DISTANCE (WHEN C.I.C. ENTERS BOX @ "B")		
3' x 5'	"X"	"Y"	"Z"
4'6" x 8'6"	10'	7'	5'
4'6" x 8'6"	14'	11'	7'

PRIMARY BOX SIZE	DISTANCE (WHEN CONDUIT ENTERS BOX @ "A")		
3' x 5'	"X"	"Y"	"Z"
4'6" x 8'6"	24'	7'	5'
4'6" x 8'6"	24'	11'	7'

PRIMARY BOX SIZE	DISTANCE (WHEN CONDUIT ENTERS BOX @ "B")		
3' x 5'	"X"	"Y"	"Z"
4'6" x 8'6"	32'	7'	5'
4'6" x 8'6"	32'	11'	7'

TYPICAL PRIMARY BOX EXCAVATION USING C.I.C. AND/OR CONDUIT SYSTEM

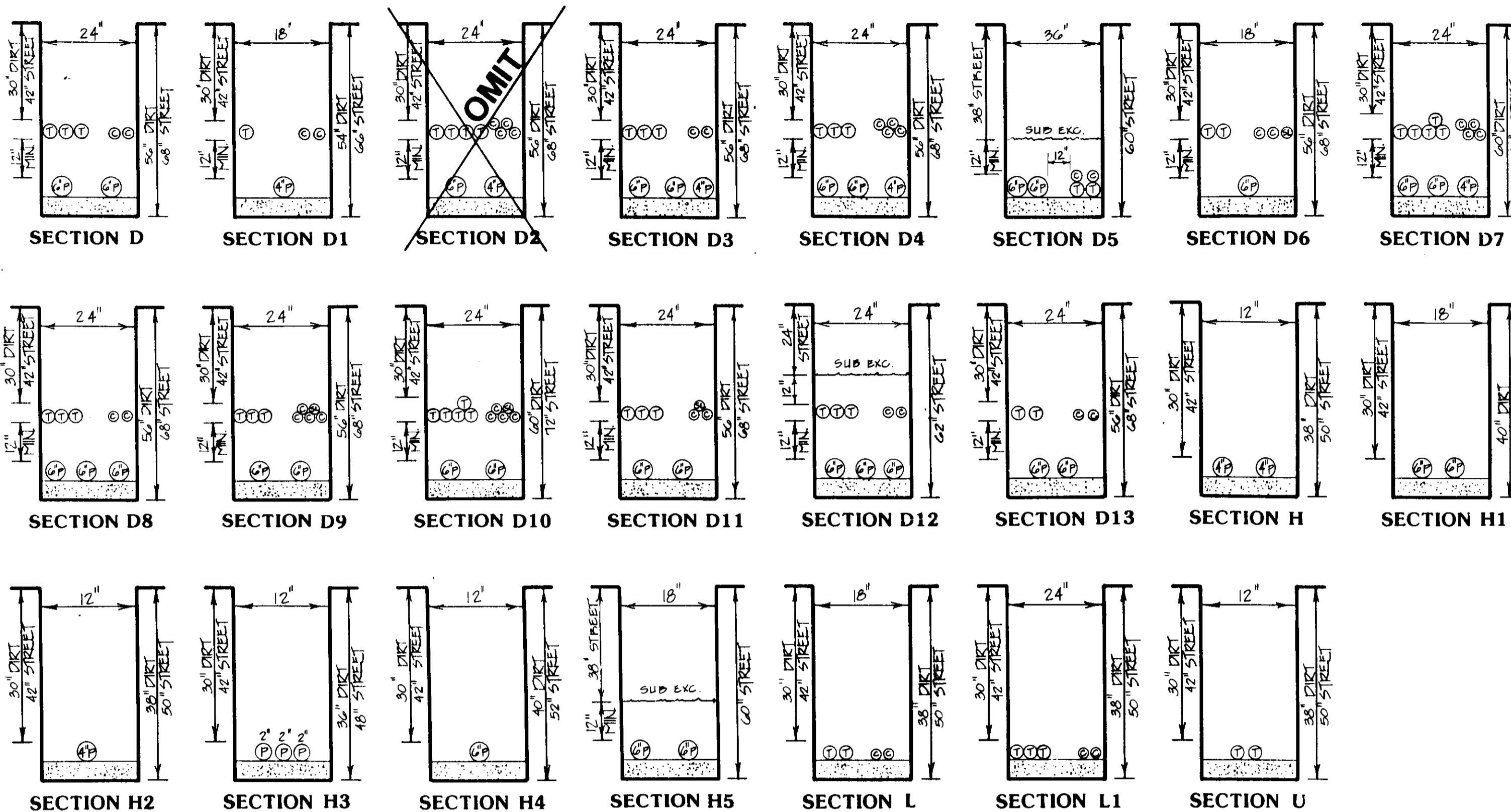
SECTION	G	T	C	S	P
A*	X	X	X	X	X
B*	X	X	X	X	X
C*	X	X	X	X	X
D*	X	X	X	X	X
E*	X	X	X	X	X
F*	X	X	X	X	X
G*			X	X	X
H*			X	X	X
I	X	X	X		
J	X	X			
K	X	X	X		
L	X	X	X		
M	X	X	X	X	
N	X	X	X	X	
O	X	X	X	X	
P	X	X	X	X	
Q	X	X	X	X	
R	X	X	X	X	
S			X	X	
T	X	X	X	X	
U	X	X	X	X	
V			X	X	
W			X	X	

\* THESE SECTIONS MAY OR MAY NOT CONTAIN SECONDARY

NOTE: TRENCH CONFIGURATIONS SHOWN ARE BASED ON INFORMATION OBTAINED FROM EACH PARTICIPATING UTILITY. OTHER CONFIGURATIONS OR REDUCED DIMENSIONS MAY BE USED PROVIDED THAT MINIMUM COVER AND CLEARANCES ARE MAINTAINED AND UPON APPROVAL OF ALL UTILITIES.

LEGEND

- 6" PRIMARY ELECTRIC CONDUIT
- 4" PRIMARY ELECTRIC CONDUIT
- 4" TELEPHONE CONDUIT
- 2" C.A.T.V. CONDUIT
- 2" ST. LT. CONDUIT



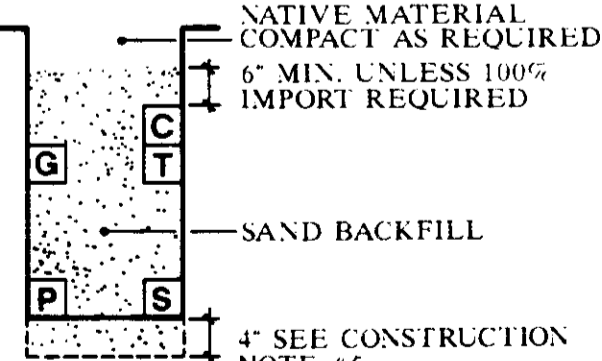
MINIMUM COVER AND CLEARANCES

Minimum Separation From

	G	T	C	S	P	* Minimum Cover
G (Gas)	6"	6"	12"	12"		30"; 42" in street
T (Telephone)	6"	0"	0"	12"		30"; 42" in street
C (Cable T.V.)	6"	0"	0"	12"		30"; 42" in street
S (Elect. Second)	12"	0"	0"	6"		30"; 42" in street
P (Elect. Primary)	12"	12"	12"	6"		30"; 42" in street

NOTES

1. TRENCH COVER & CLEARANCES SHOWN ARE MINIMUMS ONLY AND MAY REQUIRE ALTERATIONS TO SUIT FIELD CONDITIONS.
2. IT IS RECOMMENDED THAT ALL FACILITIES ARE TO BE A MINIMUM OF 12" BELOW SUBBASE DISTURBANCE.



\*BASED ON COUNTY OF SAN JOAQUIN REQUIREMENTS

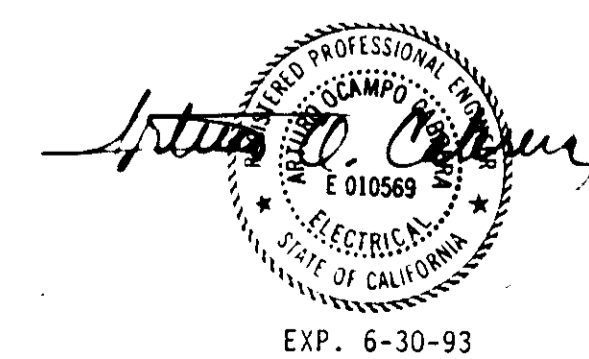
REVISIONS


NOTES AND DETAILS  
 PATTERSON PASS BUSINESS PARK - TR.2450  
 KING & LYONS SAN JOAQUIN COUNTY, CALIF.

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DATE: APRIL 1991  
 SCALE: N/A  
 DRAWN: DA/FY  
 JOB NO: 9105  
 SHEET

C3  
 OF C9 SHEETS

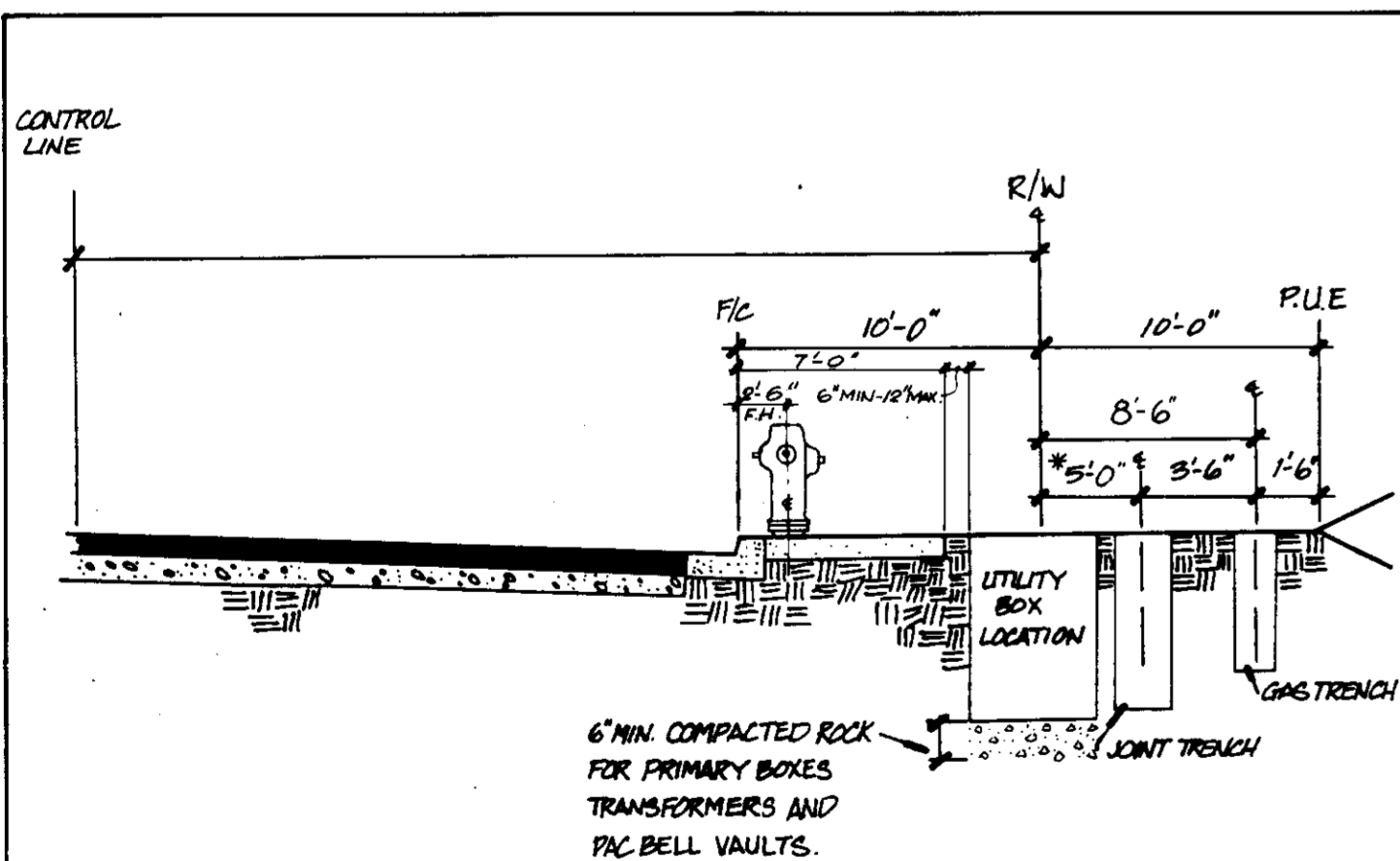
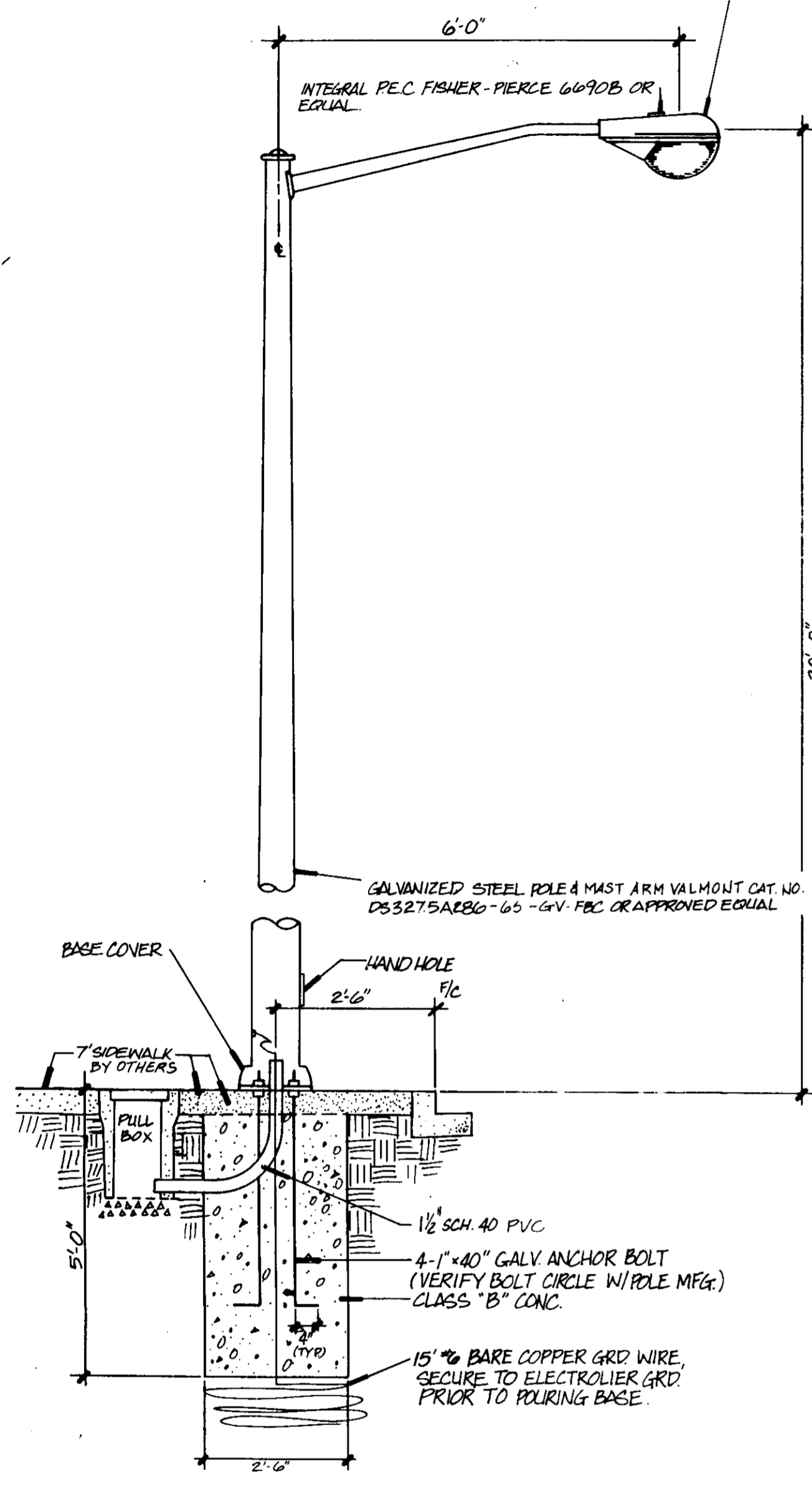


EXP. 6-30-93

Suzanne

**ELECTROLIER DETAIL**  
N.T.S.

250 WATT H.P.S. 120 VOLT RECTOR BALLAST W/ P.C. LAMP  
ASA/185 TYPE III DISTRIB GE #1250R2 CAT NO MERR253/426M55  
OR APPROVED EQUAL.



**JOINT TRENCH & UTILITY VAULT DETAIL**  
(SCHULTE RD.) N.T.S.

\* EXCEPT ON PATTERSON PASS ROAD, (SEE SHT. C4 FOR EXACT LOCATION) OR AS SHOWN OTHERWISE.

**LEGEND**

- EXISTING TRENCH OR UTILITIES
- PROPOSED TRENCH (DISTRIBUTION)
- PROPOSED TRENCH (SERVICE)
- E ELECTRIC CONDUIT (size as shown)
- SL STREET LIGHT CONDUIT (size as shown)
- T TELEPHONE CONDUIT (size as shown)
- C CABLE T.V. CONDUIT (size as shown)
- 1 13" X 24" X 26" P.G.&E. SPLICE BOX
- 2 17" X 30" X 26" P.G.&E. SPLICE BOX
- 3 24" X 36" X 26" P.G.&E. SPLICE BOX
- 4 30" X 48" X 26" P.G.&E. SPLICE BOX
- 5 3" X 5" P.G.&E. SPLICE BOX (depth as shown)
- 7 4'6" X 8'6" P.G.&E. SPLICE BOX (depth as shown)
- ▲ 3" X 5" ELECTRIC TRANSFORMER ENCLOSURE
- ▲ PADMOUNT TRANSFORMER (pad size as shown)
- ▲ PADMOUNT SWITCH (pad size as shown)
- EXISTING PRIMARY SPLICE BOX
- EXISTING SECONDARY SPLICE BOX
- TELEPHONE SPLICE BOX OR MANHOLE (size as shown)
- EXISTING STREET LIGHT
- STREET LIGHT SPLICE BOX
- P.G.&E. SKETCH LOCATION NUMBER
- T.S. TRAFFIC SIGNAL INTERCONNECT (size as shown)
- POLE NUMBER

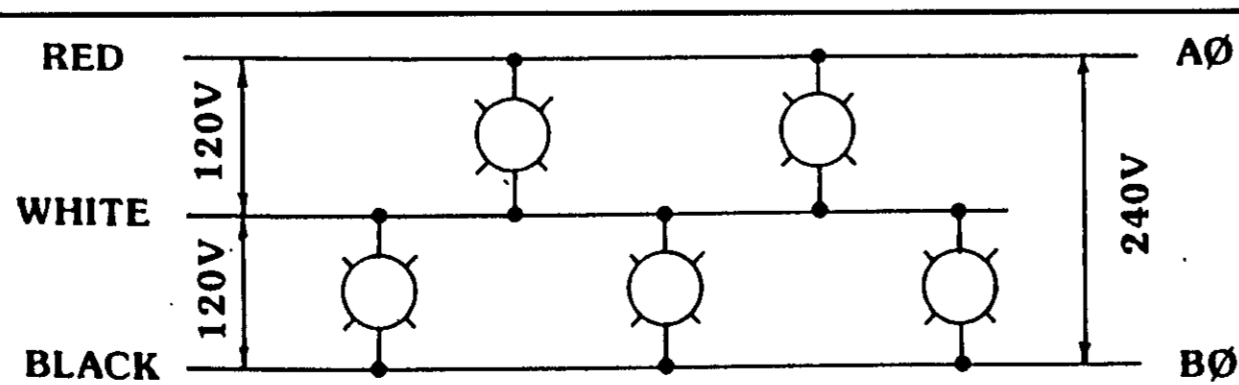
**LABOR AND CONSTRUCTION RESPONSIBILITY**

JOINT TRENCH	STREET LIGHTING SYSTEM
TRENCHING: Excavate, Backfill and Compact	Excavate, Backfill and Compact
GAS MATERIAL: Supply	Supply
ELECTRIC CABLE: Supply	Supply
ELECTRIC CONDUIT: Supply	Supply
ELECTRIC SPLICE BOXES: Excavate	Excavate
ELECTRIC TMR. ENCL. I: Excavate	Excavate
ELECTRIC EQUIP. ENCL. I: Excavate	Excavate
ELECTRIC TMR. PADS: Grade	Grade
ELECTRIC SWITCH PADS: Grade	Grade
TELEPHONE CONDUIT: Supply	Supply
TELEPHONE CABLES: Supply	Supply
TELEPHONE SPLICE BOX: Excavate	Excavate
TELEPHONE INTER PADS: Grade	Grade
CATV CONDUITS: Supply	Supply
CATV SPLICE BOXES: Excavate	Excavate

Additional Notes:  
P.G.&E. Rate Schedule: L52  
Install in Joint Trench  
Install in Separate Trench

The above designates the work to be performed by the contractor and each utility company.

**WIRING DIAGRAM**  
N.T.S.



**ELECTROLIER GENERAL NOTES**

- ALL MATERIAL AND WORKMANSHIP SHALL FULLY CONFORM WITH THE NATIONAL ELECTRICAL CODE AND THE STANDARD SPECIFICATIONS AND DETAILS OF THE COUNTY OF SAN JOAQUIN.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL THE UNDERGROUND SERVICE FROM THE LUMINAIRE TO P.G. & E. SERVICE POINT AND TERMINATE CONDUIT AND WIRES AT BOX AS DIRECTED BY P.G. & E.
- KEEP STREET LIGHTS A MINIMUM OF 3 FEET AWAY FROM THE EDGE OF DRIVEWAYS OR 5 FEET AWAY FROM FIRE HYDRANTS.
- TWO OR MORE STREET LIGHTS ON THE SAME CIRCUIT SHALL BE WIRED TO BALANCE THE LOAD. (SEE WIRING DIAGRAM)
- CONDUIT AND FITTINGS: ALL CONDUIT AND FITTINGS SHALL BE U.L. APPROVED. UNLESS OTHERWISE NOTED OR REQUIRED, USE MINIMUM 1-1/2" SCHEDULE 40 P.V.C. CONDUIT AND FITTINGS BELOW GRADE. MINIMUM RADIUS BENDS SHALL BE 18". FOR ABOVE GROUND INSTALLATION, USE METALLIC RIGID STEEL CONDUIT. PROVIDE PULL WIRE IN ALL EMPTY CONDUITS. ALL CROSSINGS TO BE PERPENDICULAR TO STREET.
- P.V.C. CONDUIT DEPTH: 18" UNDER SIDEWALK; 24" UNDER PLANTER STRIP; 36" UNDER PAVEMENT; 42" UNDER THOROUGHFARE.
- CABLE: CABLE SHALL BE A.W.G. NO. 8, 7-STRAND SOFT COPPER, TYPE THW OR THWN WITH MINIMUM OF 3/64" POLYVINYLCHLORIDE INSULATION, UNLESS OTHERWISE NOTED. NO. 10 IN POLE MAY BE USED.
- SPLICE BOXES: SPLICE BOXES SHALL BE NO. 3-1/2 STATE TYPE WITH LID AND BRASS HOLDDOWN BOLTS, UNLESS OTHERWISE NOTED. LIDS TO BE INSCRIBED "STREET LIGHTING".
- FUSES: EACH POLE SHALL BE FUSED WITH WATERPROOF IN-LINE FUSE-HOLDERS AT EACH ADJACENT SPLICE BOX WITH 10 AMP FUSE.
- SPLICING: ALL SPLICES SHALL BE MADE IN HAND HOLES OR SPLICE BOXES ONLY. SPLICES SHALL BE MADE WITH "STACK-ON" CRIMP JOINTS, "SCOTCHLOCK" FASTNERS, OR APPROVED EQUAL. ON SPLICES MADE BELOW GRADE, WRAP WITH MOISTURE PROOF INSULATION A MINIMUM OF 1-1/2 TIMES THE THICKNESS OF REQUIRED WIRE INSULATION THICKNESS.
- POLE NUMBERS: OBTAIN AND PLACE POLE NUMBERS ON ALL STREET LIGHT STANDARDS AS REQUIRED. COORDINATE WITH P.G.&E. AND/OR CITY FOR THEIR REQUIREMENTS.
- TRENCH: CONDUIT CAN BE PLACED IN JOINT TRENCH. CONDUIT LAYOUT IS SHOWN SCHEMATICALLY. SEE COMPOSITE DRAWING FOR TRENCH LOCATION. ANY INCIDENTAL TRENCHING NOT PROVIDED BY TRENCHING AGENT IS CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT FIRST NOTIFYING PRECISION PLANNING.
- PRECISION PLANNING ASSUMES NO RESPONSIBILITY FOR ANY VARIANCE BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD REVIEW PROJECT SITE PRIOR TO SUBMITTING ITS BID.
- CONTRACTOR TO CONSULT WITH LOCAL AGENCIES FOR THEIR CIRCUIT GROUNDING REQUIREMENTS. IF GROUND WIRE IS REQUIRED IN CONDUIT, INSTALL ACCORDINGLY.
- LEGEND SYMBOLS ARE SHOWN IN STREET AREA FOR CLARITY. INSTALL BEHIND CURB AND/OR SIDEWALK PER COUNTY SPECS. KEEP CLEAR OF DRIVEWAYS AND PATHWAYS (TYPICAL).

**ELECTRIC CONDUIT NOTES**

- CONDUIT FOR DIRECT BURIAL SHALL BE INSTALLED IN ACCORDANCE WITH P.G.&E. DRAWING 062288.
- CONDUIT FOR CONCRETE ENCASEMENT SHALL BE INSTALLED IN ACCORDANCE WITH P.G.&E. DRAWING 062288.
- ALL CONDUITS SHALL BE PROVEN FREE AND CLEAR OF OBSTRUCTIONS BY MEANS OF A MANDREL.
- A 3/16" POLYPROPYLENE PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS. FOR CONDUIT RUNS OF 250 FEET OR LESS, CONTRACTOR MAY INSTALL A 5/32" PULL ROPE.
- ALL CONDUITS NOT TERMINATED IN ENCLOSURES ARE TO HAVE RIGID CAPS.
- ALL CONDUITS TERMINATED IN ENCLOSURES, TRANSFORMERS AND SWITCH PADS ARE TO HAVE END BELLS.
- MAINTAIN 3" SEPARATION BETWEEN CONDUITS FOR SUBSTATION OUTLET AND MAIN FEEDER CIRCUITS.
- 4" CONDUIT BENDS TO BE A MINIMUM OF 36" RADIUS AND 6" CONDUIT BENDS TO BE A MINIMUM OF 60" RADIUS (UNLESS OTHERWISE SPECIFIED OR APPROVED).
- CONTRACTOR IS RESPONSIBLE TO INSTALL ANY REQUIRED RISER CONDUIT BENDS AT BASE OF POLE. INSTALLATION PER P.G.&E. DRAWING 027742.

**TELEPHONE CONDUIT NOTES**

- INSTALL ALL CONDUITS IN ACCORDANCE WITH PAC BELL'S REQUIREMENTS AND PER "UNDERGROUND TELECOMMUNICATION CONDUIT SYSTEM GENERAL SPECIFICATIONS".
- ALL CONDUIT PLACED MUST BE PROVEN (MANDRELLED), LOGANS LOG MEASUREMENT TAKEN AND PROVIDED TO PAC BELL INSPECTOR.
- A MINIMUM 3/8" POLYPROPYLENE PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS.
- ANY CONDUIT BEND HAVING A RADIUS OF 80 FEET OR LESS MUST BE ENCASED WITH A MINIMUM OF 3 INCHES OF CONCRETE BEING PLACED ON THE INSIDE OF THE RADIUS OR AS SPECIFIED BY PAC BELL INSPECTOR.

**JOINT TRENCH CONSTRUCTION NOTES**

- ALL JOINT TRENCH CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH P.G.&E. GAS OPERATIONS FORM (75-94) "SPECIFICATION FOR TRENCHING BY APPLICANT" AND P.G.&E. ENGINEERING STANDARD DRAWING 040686.
- ALL WORK SHALL BE SUBJECT TO THE INSPECTION AND SATISFACTION OF ALL PARTICIPATING UTILITIES AND COUNTY INSPECTORS.
- NO BACKFILLING SHALL BE PERFORMED UNLESS THE INSPECTOR IS PRESENT OR THE TRENCHING AGENT HAS RECEIVED PRIOR CONSENT FROM THE INSPECTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL INSTALLATIONS INSPECTED PRIOR TO ANY BACKFILLING.
- BACKFILL MATERIAL SHALL BE APPROVED BY THE PARTICIPATING UTILITIES, SOILS ENGINEER AND COUNTY. CONSULT LOCAL AGENCIES FOR COMPACTION METHODS.
- THE BOTTOM OF THE TRENCH SHALL BE CLEARED OF ROCKS AND OTHER HARD SURFACES AND A SAND CUSHION OF AT LEAST FOUR (4) INCHES MAY BE REQUIRED AS A PAD ON WHICH UTILITY FACILITIES CAN REST.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE PAVEMENT AND/OR SIDEWALK WHERE REMOVED OR DAMAGED AS A RESULT OF ITS OPERATION (UNLESS OTHERWISE NOTED).
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND NOTIFY ALL PARTICIPATING UTILITIES INSTALLATIONS.
- ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO AND PAID FOR BY THE CONTRACTOR.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO PRECISION PLANNING AT THE TIME OF PREPARATION OF THESE PLANS. THEIR LOCATIONS HAVE NOT BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE TO THE ACCURACY OF THE INFORMATION SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PRECISE LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO THE START OF WORK. CONTACT UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS IN ADVANCE AT (800) 642-2444.
- THE CONTRACTOR SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA AND ALWAYS COMPLY WITH OSHA REQUIREMENTS.
- THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED TO BE COMPLEMENTARY TO EACH OTHER. ANYTHING SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, OR MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, SHALL BE OF LIKE EFFECT AS IF SHOWN ON OR MENTIONED IN BOTH. IF DISCREPANCY IS FOUND, NOTIFY PRECISION PLANNING PRIOR TO STARTING WORK.
- TRENCH AND CONDUIT LAYOUTS ARE SHOWN SCHEMATICALLY.
- TRENCHING OR SUBSTRUCTURE EXCAVATION MAY NECESSITATE OPERATION OVER, UNDER, OR ADJACENT TO OTHER UNDERGROUND UTILITIES (STORM, SEWER, WATER, ETC...) THE CONTRACTOR IS RESPONSIBLE TO LOCATE, PROSPECT, EXPOSE AND PROTECT ALL ADJACENT OR CROSSING UNDERGROUND UTILITIES. THIS WORK TO PROTECT THOSE UTILITIES IS NOT CONSIDERED AS EXTRA WORK. IT IS CONTRACTOR'S RESPONSIBILITY TO REVIEW IMPROVEMENT PLANS, IN CONJUNCTION WITH THIS PLAN, AND BID THE WORK ACCORDINGLY.
- THE QUANTITIES SHOWN ON THESE PLANS ARE ESTIMATES OF WHAT WILL ACTUALLY BE NEEDED TO COMPLETE THIS PROJECT. FINAL QUANTITIES MAY VARY ACCORDING TO CHANGES, ADDITIONS, DELETIONS OR OMISSIONS ON THE ORIGINAL PLAN.
- VERIFY ALL SUBSTRUCTURE EXCAVATION DIMENSIONS WITH SUPPLIER(S).
- PRECISION PLANNING ASSUMES NO RESPONSIBILITY FOR ANY VARIANCE BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD REVIEW PROJECT SITE PRIOR TO SUBMITTING ITS BID.
- THE CONTRACTOR IS REQUIRED TO EXCAVATE BELL HOLE(S) AT TIE-IN LOCATIONS AS DIRECTED BY PARTICIPATING UTILITY.
- AS-BUILT DRAWINGS TO BE PROVIDED BY CONTRACTOR AFTER INSTALLATION OF P.G.&E.'S ~~AND~~ ELECTRIC SYSTEMS (PRIOR TO PRIMARY SPLICING).

**REVISIONS**


**NOTES AND DETAILS**  
PATTERSON PASS BUSINESS PARK - TR. 2450  
KING & LYONS  
SAN JOAQUIN COUNTY, CALIF.

**PRECISION PLANNING**

Utility Consulting • Composites • Estimates  
Street Lighting Planning and Design

11740 Dublin Blvd. • Suite 200 • Dublin, CA 94568 • (415) 829-2530

DATE: APRIL 1991  
SCALE: N/A  
DRAWN: MKZ/FY  
JOB NO: 9105  
SHEET

C2

OF C9 SHEETS

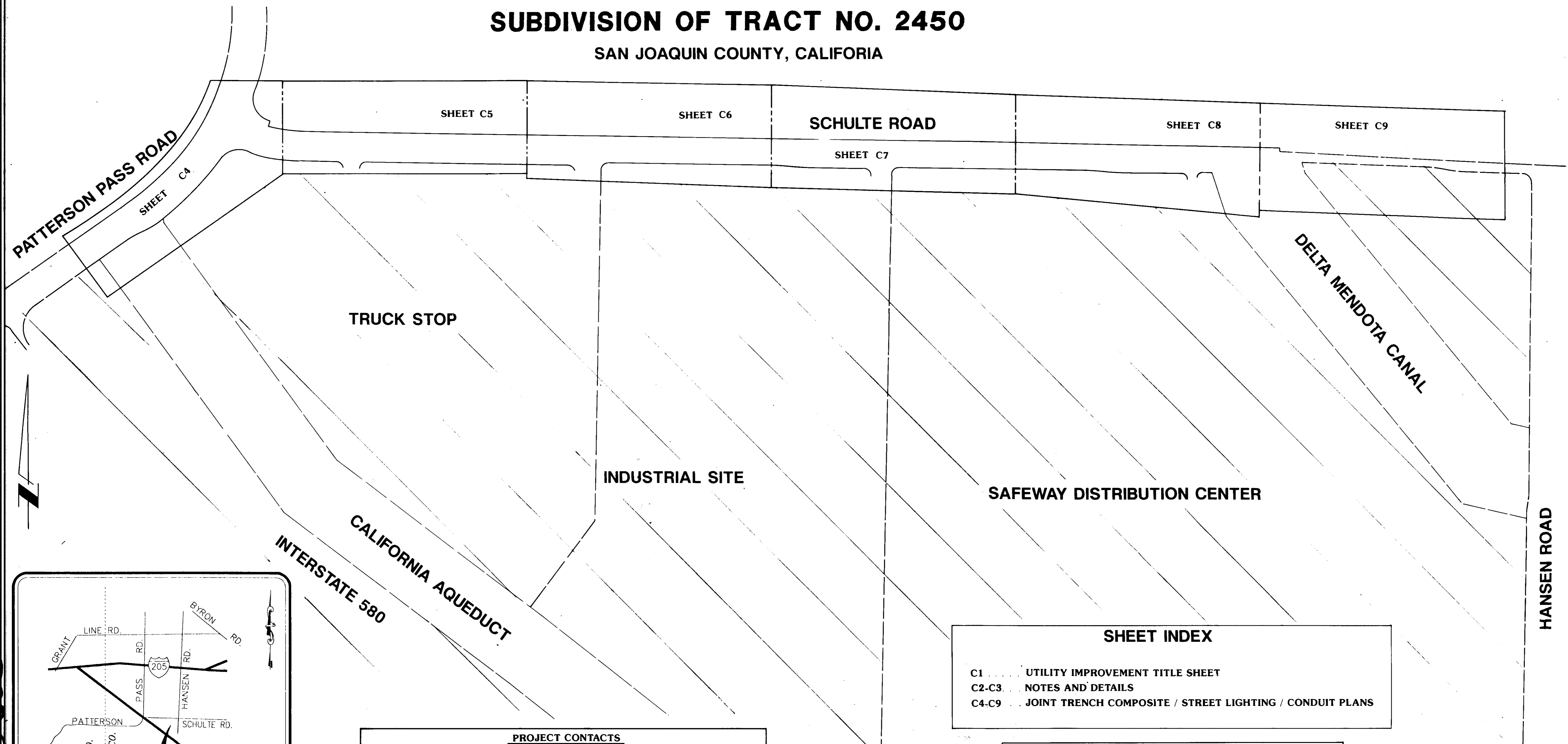


EXP. 6-30-93



REVISIONS	
△	12-10-91 Pac. Bell. Revisions sheets C5-C9
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UTILITY IMPROVEMENTS - OFF SITE  
**PATTERSON PASS BUSINESS PARK**  
 KING & LYONS  
 SUBDIVISION OF TRACT NO. 2450  
 SAN JOAQUIN COUNTY, CALIFORNIA



UTILITY IMPROVEMENT TITLE SHEET  
 PATTERSON PASS BUSINESS PARK - TR.2450  
 KING & LYONS      SAN JOAQUIN COUNTY, CALIF.

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**SHEET INDEX**

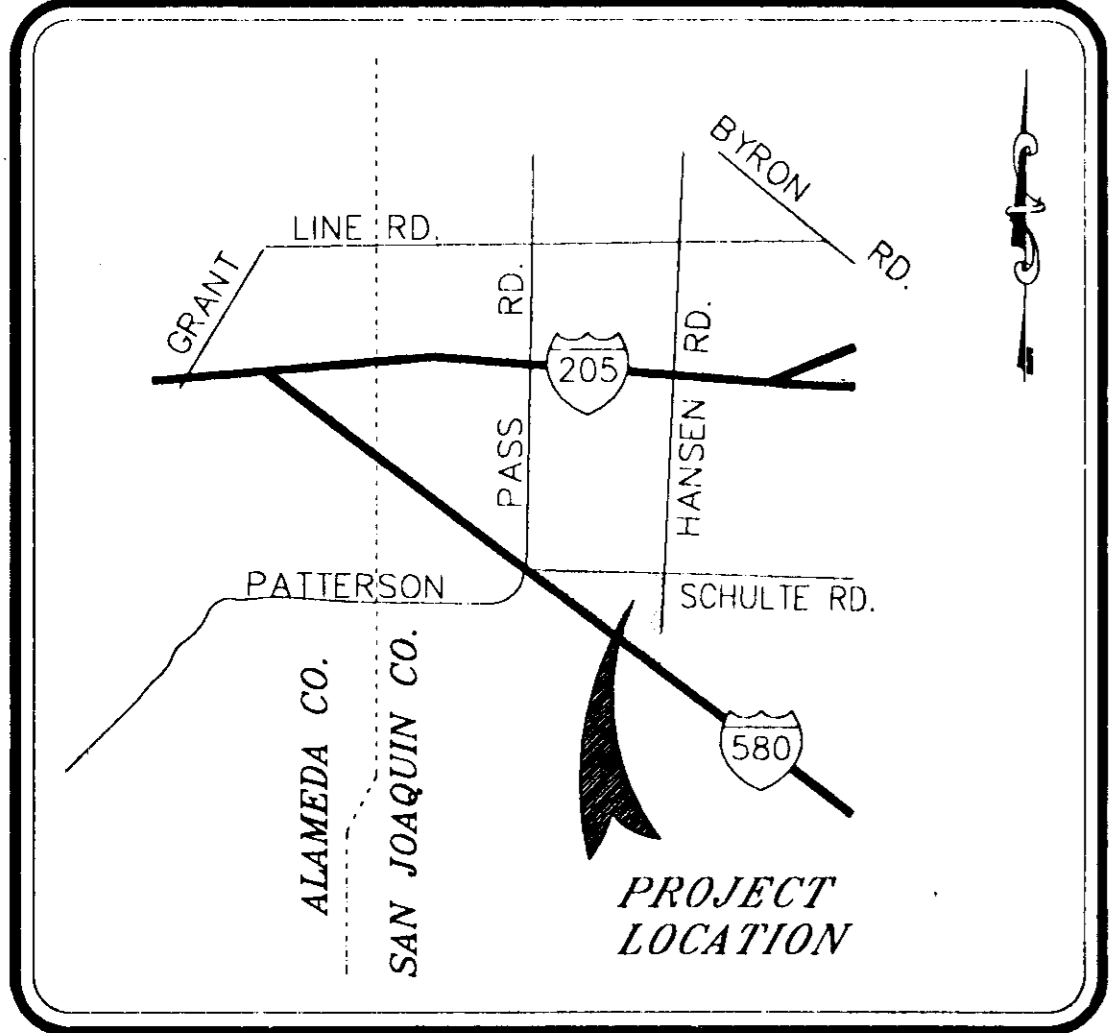
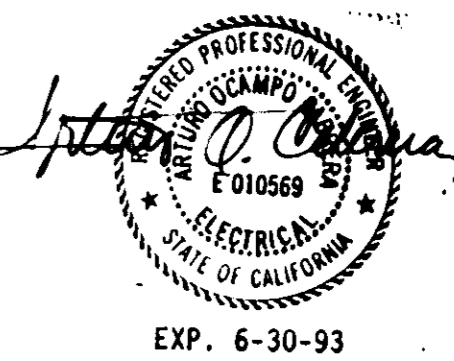
C1	UTILITY IMPROVEMENT TITLE SHEET
C2-C3	NOTES AND DETAILS
C4-C9	JOINT TRENCH COMPOSITE / STREET LIGHTING / CONDUIT PLANS

**PROJECT CONTACTS**

PRECISION PLANNING REP.	JOB NO.	PHONE #
DEVELOPER REP.	JOB NO.	PHONE #
TRENCHING AGENT	JOB NO.	PHONE #
P.G.&E. COORDINATOR	JOB NO.	PHONE #
P.G.&E. GAS REP.	JOB NO.	PHONE #
P.G.&E. ELECT. REP.	JOB NO.	PHONE #
PAC. BELL REP.	JOB NO.	PHONE #
C.A.T.V. REP.	JOB NO.	PHONE #
P.G.&E. INSPECTOR	JOB NO.	PHONE #
PACIFIC BELL INSPECTOR	JOB NO.	PHONE #
COUNTY REP.	JOB NO.	PHONE #

APPROVED BY : \_\_\_\_\_ DATE : 12/13/91

HENRY M. MIRATA R.C.E. No 21258  
 DIRECTOR OF PUBLIC WORKS  
 SAN JOAQUIN COUNTY, CALIFORNIA



**VICINITY MAP**  
N.T.S.

DATE	APRIL 1991
SCALE	1"=200'
DRAWN	DA/FY
JOB NO.	9105
SHEET	C1
of C9 SHEETS	

SU 2623