

**GENERAL NOTES**

1 — Pavement delineation revisions shown hereon will be performed by City of Riverside forces.

**CONSTRUCTION NOTES**

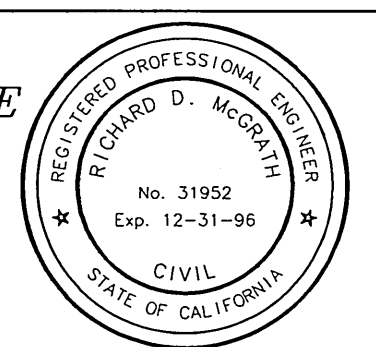
- 1 — Existing conductors shall be reused; install additional conductors as needed. SC points shall be as determined in the field. Also, see Contract Special Provisions.
- 1 — Remove and salvage street light standard.
- 2 — Remove and salvage 10' marbelite signal standard and equipment.
- 3 — Remove foundation to sufficient depth to install No. 5 pullbox.
- 4 — Install 17-2-80 (20'SA, 12' LA); MAS, SV-1-T, and SP-1-T mounted vehicular and pedestrian heads as indicated.
- 5 — Install SP-2-T mounted pedestrian heads on relocated marbelite street light standard as indicated; inserts exist.
- 6 — Replace pullbox and install 2" conduit to new pole.
- 7 — Relocate 68J10 marbelite standard to northeast corner; reuse existing foundation.

**IMPORTANT NOTICE**  
 Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID, Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

**CONTRACT TE-96-5  
 FEDERAL AID PROJECT NO. CMLN-5058(20)**

CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"

**ENGINEER IN RESPONSIBLE CHARGE**  
 Richard O. McGrath  
 RICHARD D. McGRATH  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 5-30-96



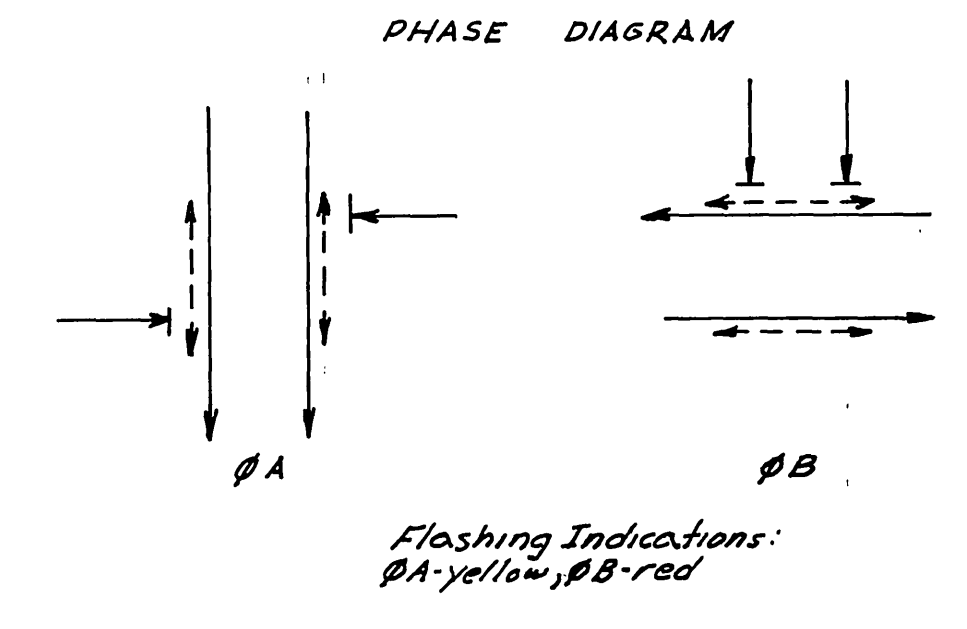
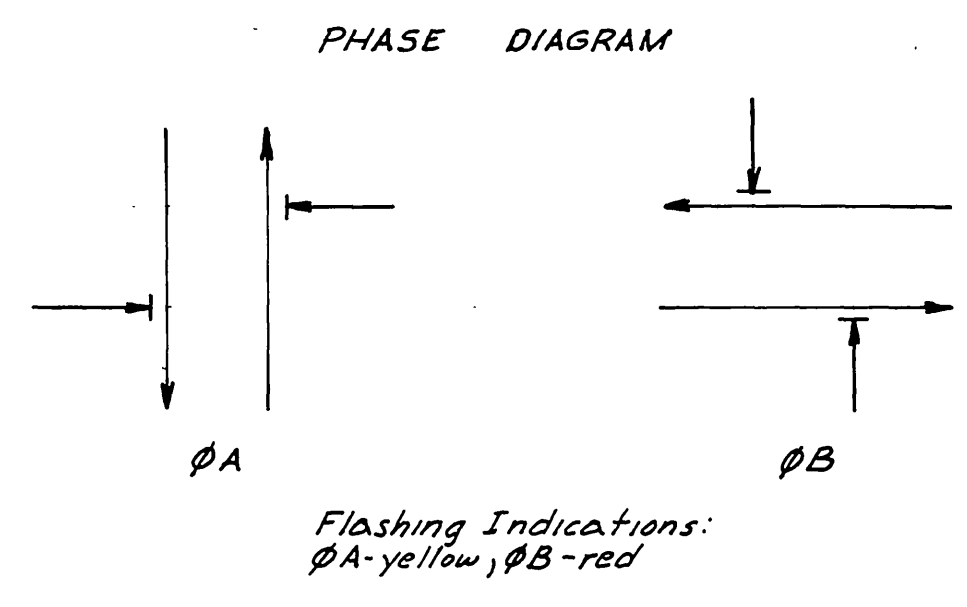
MARK	REVISIONS	APPR.	DATE

DESIGNED BY: \_\_\_\_\_ DRAWN BY: MAC CHECKED BY: [Signature]

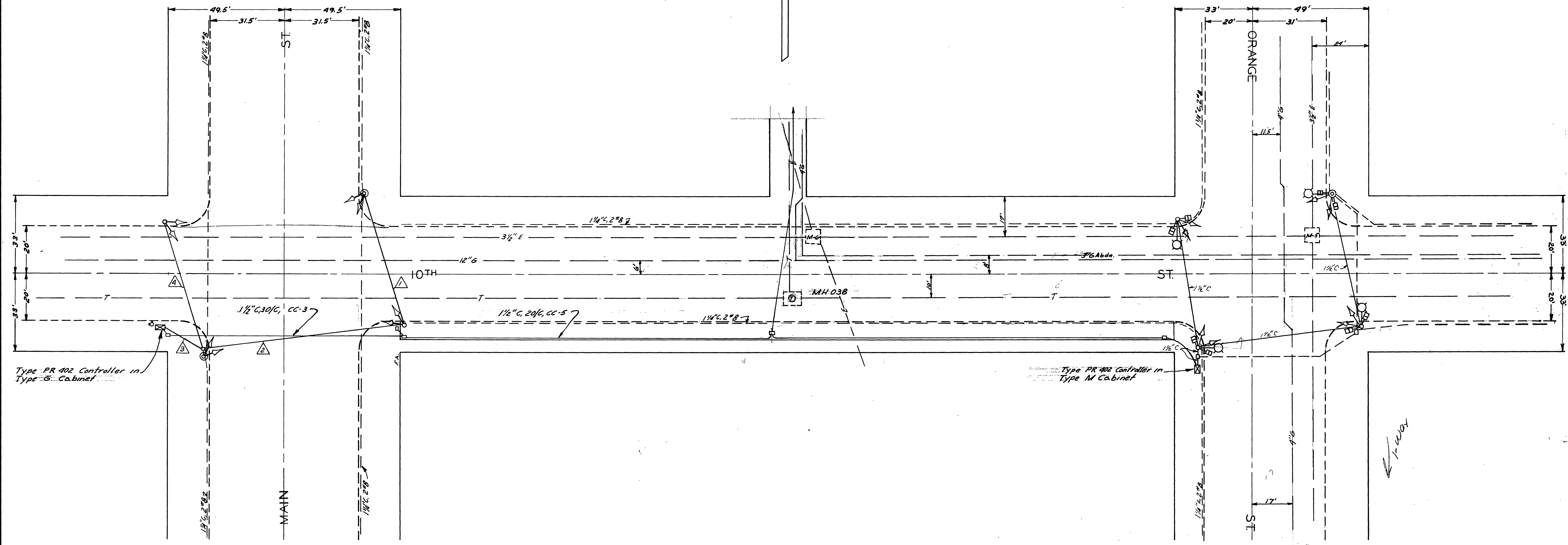
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	[Signature]	5/30/96	[Signature]
P.W. INSPECTION	[Signature]	5/30/96	[Signature]
TRAFFIC DIVISION	[Signature]	5/30/96	[Signature]
CHIEF P.W. ENGR.	[Signature]	5/30/96	[Signature]
PUBLIC UTILITIES	[Signature]	5/30/96	[Signature]

**TRAFFIC SIGNAL MODIFICATION**  
 ORANGE ST. @ NINTH ST, TENTH ST, AND UNIVERSITY AVENUE  
 SCALE: 1" = 20'

ACCT. NO. 0430-541600-440125-35060  
**X-113A**  
 SHEET 1 OF 1  
 FILE NAME: X113A.DWG



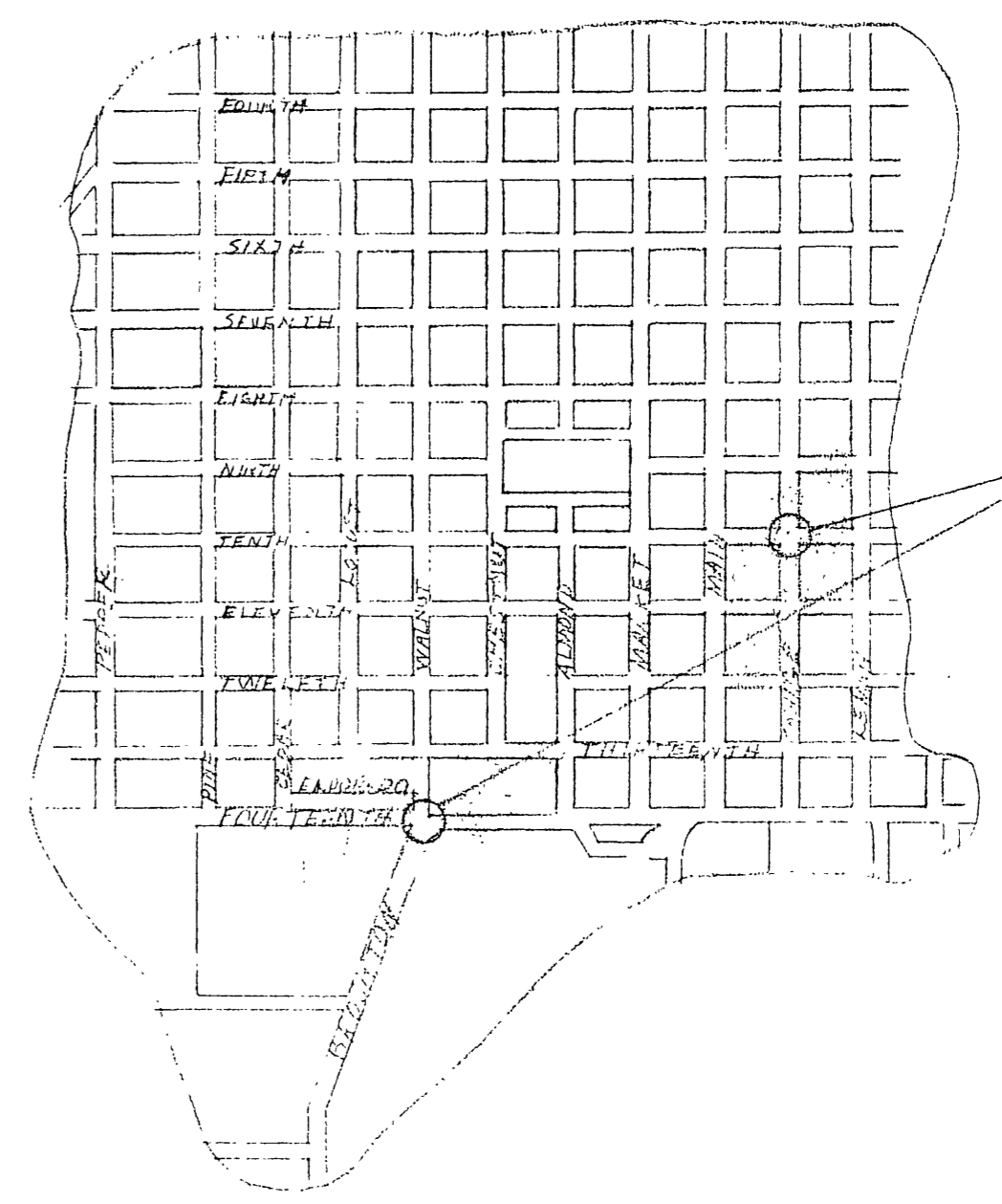
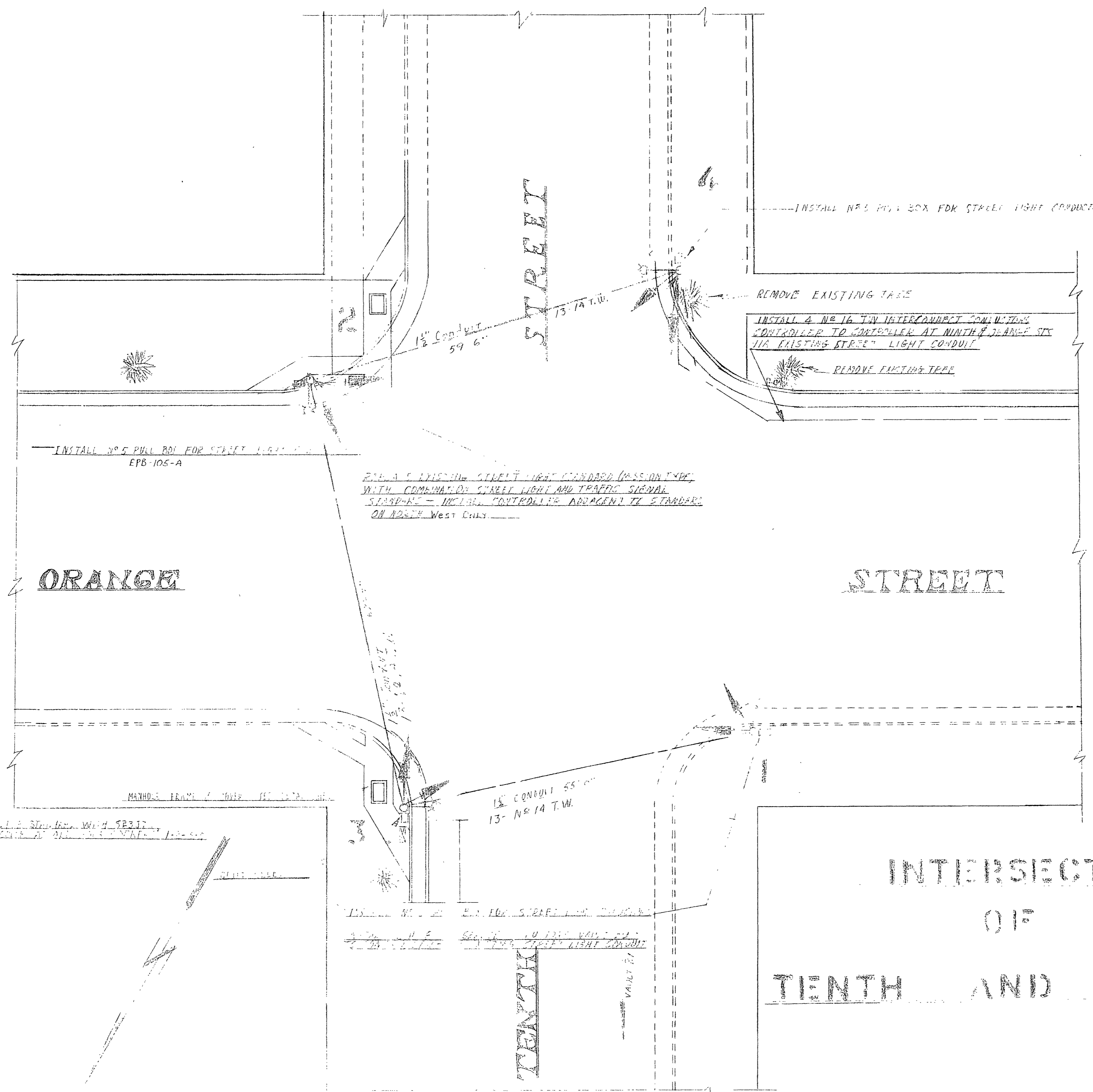
SCALE 1"=20'



X-112

X-113

REVISIONS			CITY OF RIVERSIDE CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
MARK	DATE	DESCRIPTION		
		<del>1/22/02 Interconnect to Built 100</del>	TRAFFIC SIGNALS 10 <sup>TH</sup> STREET MAIN & ORANGE STREETS	
DESIGNED BY	ADD	CHECKED BY	APPROVED BY	X-113 SHEET OF
DRAWN BY	ADD		DIRECTOR OF PUBLIC WORKS	
RECOMMENDED BY		ASSISTANT CITY ENGINEER	DATE	

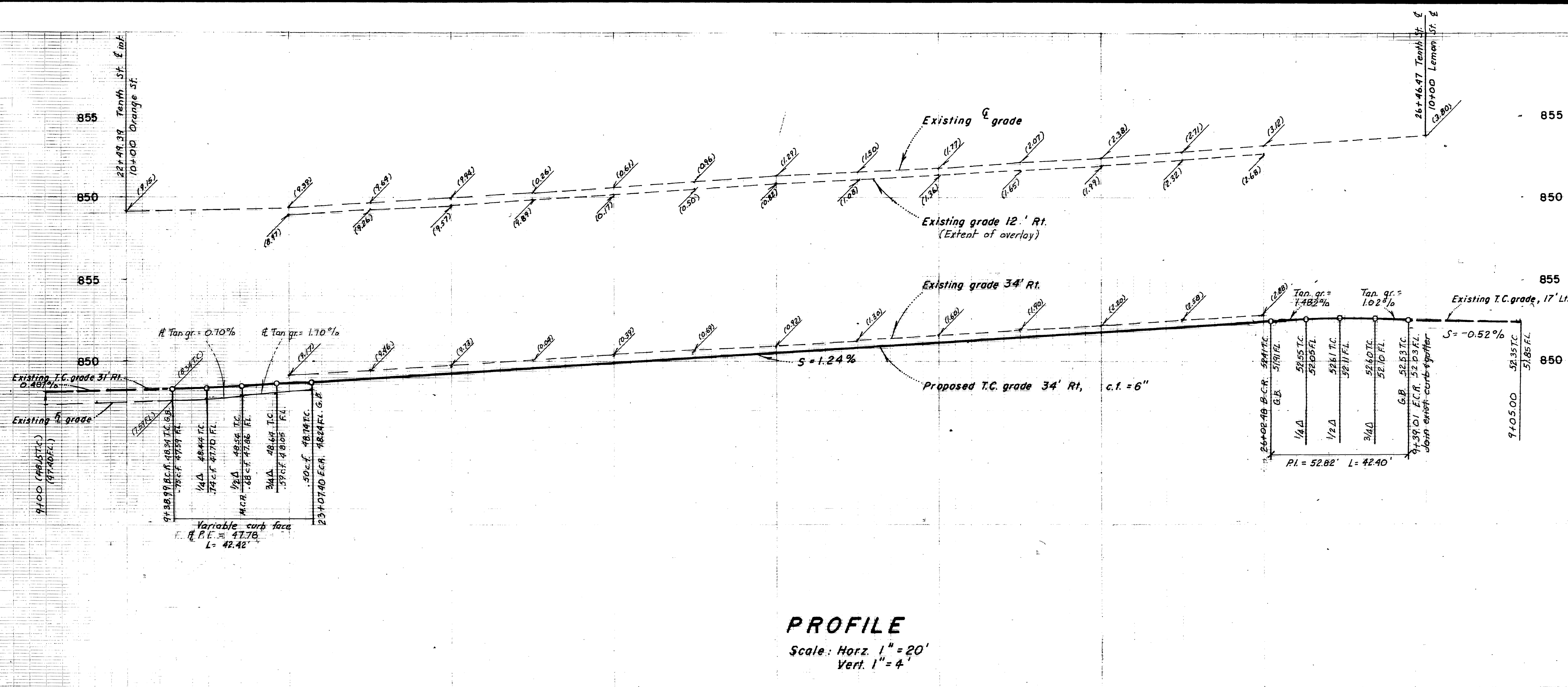


LOCATION MAP  
SCALE - 1" = 100' 0"

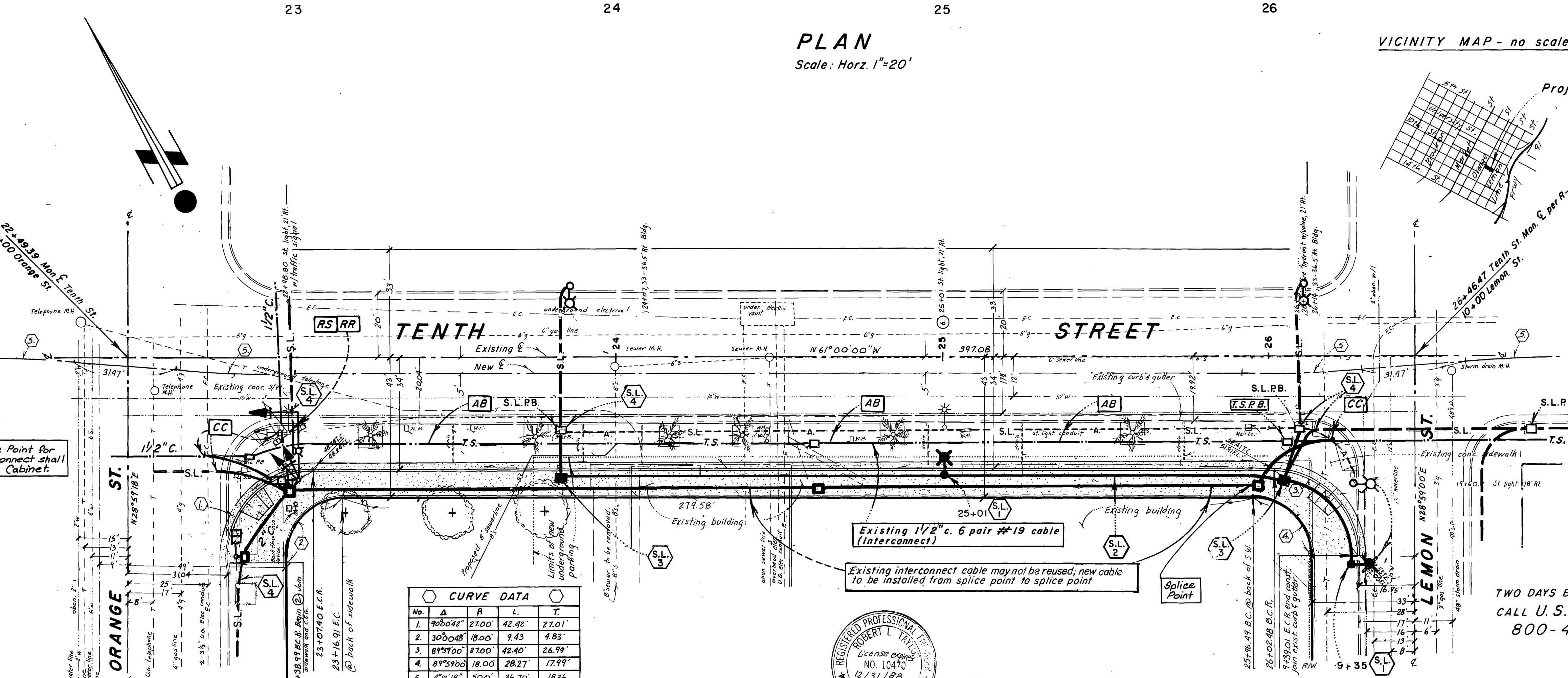
# INTERSECTION OF TENTH AND ORANGE

APPROVED: *M. H. Irvine*  
M. H. IRVINE, REG. C.E. NO. 30W  
CITY ENGINEER

SCALE 1" = 100'		DRAWN <i>Y.Y.</i>	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC UTILITIES
DATE 1-15-58		CHECKED <i>[Signature]</i>	
C.O. No. 212		APPROVED <i>[Signature]</i>	DRAWING NO. L-5-107-17
APPROVED	REVISIONS	DATE	F. D. No.



**PROFILE**  
 Scale: Horz. 1" = 20'  
 Vert. 1" = 4'



**PLAN**  
 Scale: Horz. 1" = 20'

**VICINITY MAP - no scale**

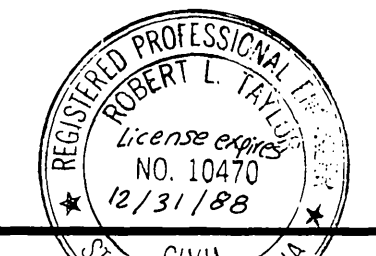
- TRAFFIC SIGNAL CONSTRUCTION NOTES:**
- All traffic signal work shall conform to the provisions of Section 85 of the most current Standard Specifications and Standard Plans published by the State of California Department of Transportation.
  - Splicing of conductors will not be allowed.
  - Insulation color for the 6 pair, No. 19 gauge shielded twisted pairs of the interconnect cable shall match the existing colors. Contact Signal Maintenance at (714) 787-1576 for this information.
  - The City shall determine splice points for the interconnect and perform all splicing.
  - Traffic signal pullbox lids shall be marked "Traffic Signal".
  - See CIP Plan 1-113A Sub 2 of 2 to determine new conductors required at the intersection.
  - The existing interconnect cable may not be reused; new cable to be installed from splice point to splice point.
  - Provide and install Type 17-2-70 Standard with 10' luminaire arm and 20' signal arm.
  - Provide and install T Type 1A aluminum standard. Also furnish framework for TP-1-T mfg.
  - Shielding for the interconnect shall be continuous or banded in accordance with the manufacturer's specifications.

- STREET LIGHT CONSTRUCTION & RELOCATION:**
- Install, relocate & remove all street lighting facilities as shown and in conformance with St. Lt. Spec. # 119 and related Standard Drawings. Contact 787-7429 for required inspections.
- (S.L. 1) Relocate Type S-3 Standard to new foundation per item # S-3 of U.G.S.-801.
  - (S.L. 2) Install 1" H.D.G. rigid conduit with 2 #8 CU. 600 Volt cables.
  - (S.L. 3) Install 10"x17"x12" pullbox per item # PI of U.G.S.-800.
  - (S.L. 4) Intercept 1" H.D.G. rigid conduit & extend to new pullbox. Replace 2 #8 C.U. 600 Volt cables as required.
- A— S.L.—A— Abandon existing 1" H.D.G. conduit & pullboxes. Remove 2 #8 cables.

- GENERAL NOTES:**
- The Private Engineer signing these plans is responsible for assuring the accuracy and acceptability of the work shown. In the event of discrepancies arising during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for approval by the City.
  - A Street Opening Permit is required for this work; the contractor will be billed for inspection costs under said Permit at a rate of \$10.50 per hour.

**CURVE DATA**

No.	Δ	R	L	T
1	90°04"	2700	42.42	27.01'
2	100°04"	800	9.43	4.83'
3	89°19"	2700	42.40	26.99'
4	89°59"	1800	28.27	17.99'
5	47°11"	500	36.70	18.36'



City of Riverside  
 Overhead & Underground  
 Approved: *[Signature]* 7/28/98  
 Date

City of Riverside  
 Traffic Division  
 Approved: *[Signature]* 8/5/98  
 Date

**ROBERT L. TAYLOR - Civil Engineer**  
 5830 Magnolia Ave.  
 Riverside, Ca. 92506 714-683-0617  
 Approved by: *[Signature]* Date 4/22/98  
 Robert L. Taylor R.C.E. 10470  
 License expires 12/31/98

**CITY OF RIVERSIDE**  
**PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 7/27/98  
 PRINCIPAL ENGINEER  
 PARK DEPARTMENT  
 TRAFFIC DIVISION  
 ENGINEER: P. W. [Signature]  
 DATE: 7/27/98

Traffic Signal & Street Lt. Relocation Plan  
**TENTH STREET** s'y side,  
 from 22+49.39 to 26+46.47 between  
 Orange St. & Lemon St. for the Riverside  
 County Jail. 4000 Orange Street

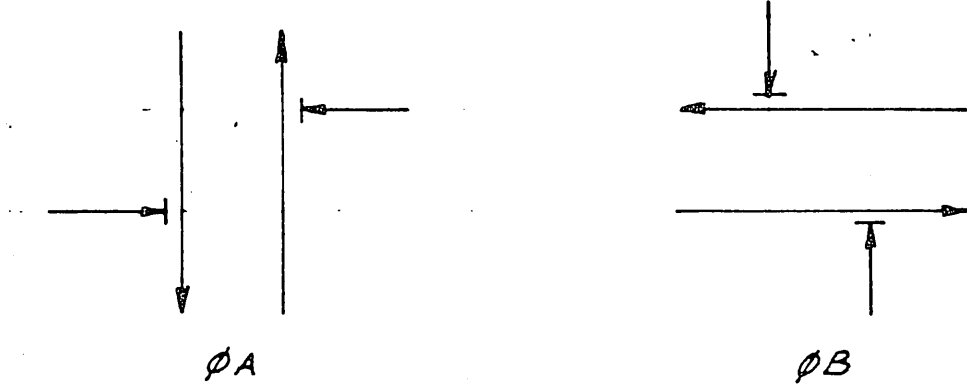
ACCOUNT NO. X-113A  
 SHEET 1 OF 2

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

**BENCHMARK:** 16-1 Elevation = 840.914  
 P.K. nail in top of curb, 12' SE 1/4 of curb return  
 at the most S'y corner of Tenth St. and Market  
 St. per C.R.F.B. 975/10.

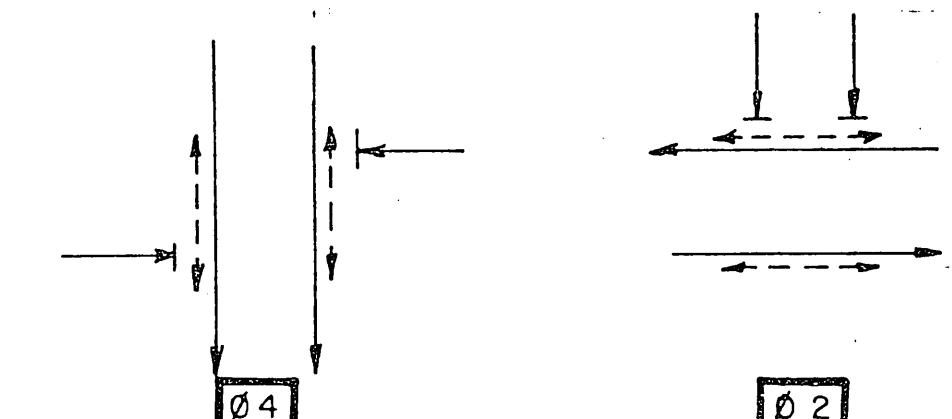
TWO DAYS BEFORE YOU DIG  
 CALL U.S.A. TOLL FREE  
 800-422-4133

PHASE DIAGRAM



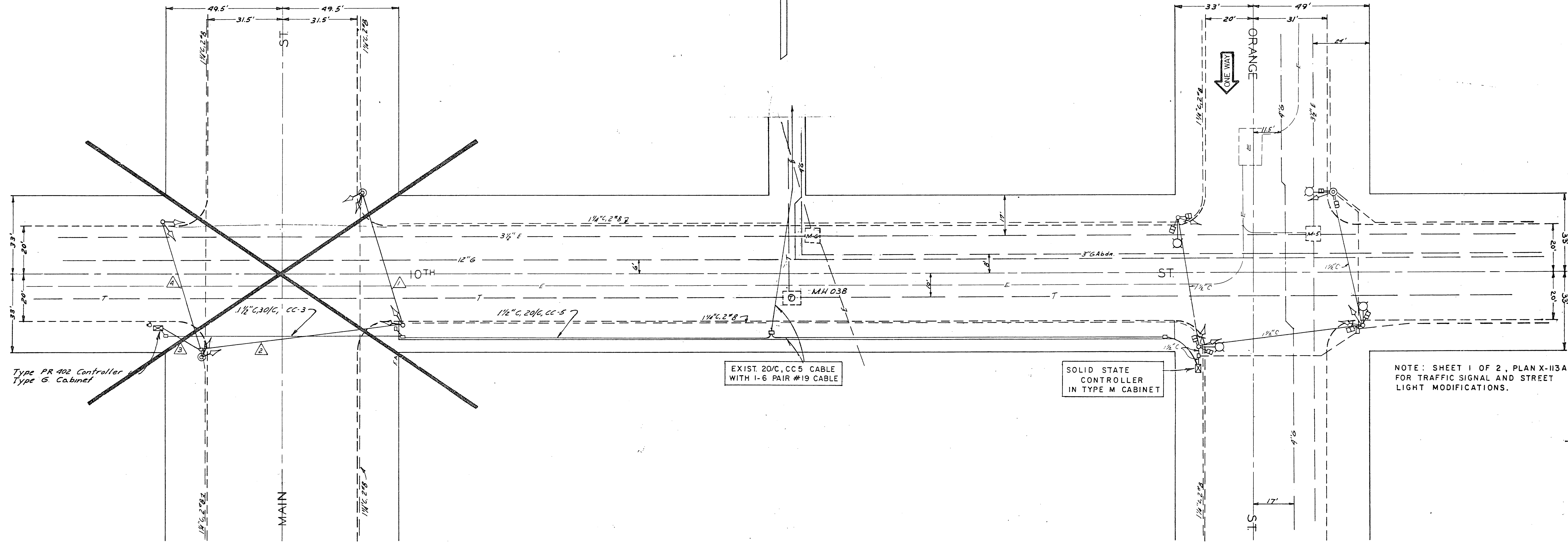
Flashing Indications:  
φA-yellow, φB-red

PHASE DIAGRAM



Flashing Indications:  
φA-yellow, φB-red

SCALE 1"=20'



Type PR 402 Controller  
Type G Cabinet

EXIST. 20/C, CC 5 CABLE  
WITH 1-6 PAIR #19 CABLE

SOLID STATE  
CONTROLLER  
IN TYPE M CABINET

NOTE: SHEET 1 OF 2, PLAN X-113A  
FOR TRAFFIC SIGNAL AND STREET  
LIGHT MODIFICATIONS.

X-112

REFERENCE PLAN, FOR CONDUCTORS AND  
INTERCONNECT CABLE INSTALLATION ONLY.

REVISIONS			CITY OF RIVERSIDE CALIFORNIA DEPARTMENT OF PUBLIC WORKS
MARK	DATE	DESCRIPTION	
			TRAFFIC SIGNALS 10 <sup>TH</sup> STREET ORANGE STREET
DESIGNED BY	CHECKED BY	APPROVED BY	X-113A Sht. 2 of 2
DRAWN BY			
RECOMMENDED BY	ASSISTANT CITY ENGINEER	DATE: 1-27-87	