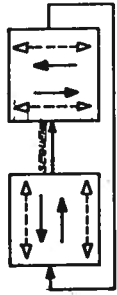


CONDUCTOR SCHEDULE									
AWG	CIRCUIT	1	2	3	4	5	6	7	8
#14	#2	3	3	3	3	3	3	3	3
	#4	3	3	3	3	3	3	3	3
	#6	2	2	2	2	2	2	2	2
	#8	2	2	2	2	2	2	2	2
	#10	1	1	1	1	1	1	1	1
#12	#12	1	1	1	1	1	1	1	1
	#14	1	1	1	1	1	1	1	1
	#16	1	1	1	1	1	1	1	1
	#18	1	1	1	1	1	1	1	1
	#20	1	1	1	1	1	1	1	1
#10	#10	10	16	16	32	16	16	16	10
	#12	2	2	2	4	2	2	2	2
	#14	2	2	2	4	2	2	2	2
	#16	2	2	2	4	2	2	2	2
	#18	2	2	2	4	2	2	2	2
#8	#8	2	2	2	4	2	2	2	2
	#10	2	2	2	4	2	2	2	2
	#12	2	2	2	4	2	2	2	2
	#14	2	2	2	4	2	2	2	2
	#16	2	2	2	4	2	2	2	2
#6	#6	2	2	2	4	2	2	2	2
	#8	2	2	2	4	2	2	2	2
	#10	2	2	2	4	2	2	2	2
	#12	2	2	2	4	2	2	2	2
	#14	2	2	2	4	2	2	2	2
#4	#4	2	2	2	4	2	2	2	2
	#6	2	2	2	4	2	2	2	2
	#8	2	2	2	4	2	2	2	2
	#10	2	2	2	4	2	2	2	2
	#12	2	2	2	4	2	2	2	2
#2	#2	2	2	2	4	2	2	2	2
	#4	2	2	2	4	2	2	2	2
	#6	2	2	2	4	2	2	2	2
	#8	2	2	2	4	2	2	2	2
	#10	2	2	2	4	2	2	2	2
#1	#1	2	2	2	4	2	2	2	2
	#2	2	2	2	4	2	2	2	2
	#4	2	2	2	4	2	2	2	2
	#6	2	2	2	4	2	2	2	2
	#8	2	2	2	4	2	2	2	2
CONDUCTOR SIZE									
2" 2" 2" 2" 2" 2" 2" 2" 2" 2"									

POLE SCHEDULE									
STANDARD	LUMINAIRE	LUM. HGT. (FT.)	LEAD	VEHICLE	PER. HGT. (FT.)	PER. TYPE	PER. PHASE	REMARKS	
1	20"	15'	200W HPS	NEWLAND STREET	54'-17"	MAS	SA-17	B	Ø 8
2	20"	15'	200W HPS	TRASK AVENUE	54'-17"	MAS	SA-17	B	Ø 8
3	20"	15'	200W HPS	NEWLAND STREET	54'-17"	MAS	SA-17	B	Ø 8
4	20"	15'	200W HPS	TRASK AVENUE	54'-17"	MAS	SA-17	B	Ø 8
5	20"	15'	200W HPS	NEWLAND STREET	54'-17"	MAS	SA-17	B	Ø 8
6	20"	15'	200W HPS	TRASK AVENUE	54'-17"	MAS	SA-17	B	Ø 8
7	20"	15'	200W HPS	NEWLAND STREET	54'-17"	MAS	SA-17	B	Ø 8
8	20"	15'	200W HPS	TRASK AVENUE	54'-17"	MAS	SA-17	B	Ø 8
9	20"	15'	200W HPS	NEWLAND STREET	54'-17"	MAS	SA-17	B	Ø 8
10	20"	15'	200W HPS	TRASK AVENUE	54'-17"	MAS	SA-17	B	Ø 8
* STANDARD SHALL ACCOMMODATE FUTURE 24'-4'-70, 35' MA. (PROPOSED 20' MA. SHALL BE FITTED WITH THE SIGNAL ARM CONNECTION REQUIRED FOR A 35' MA. ON A 24'-4'-70 STANDARD).									



TRAFFIC PHASE DIAGRAM

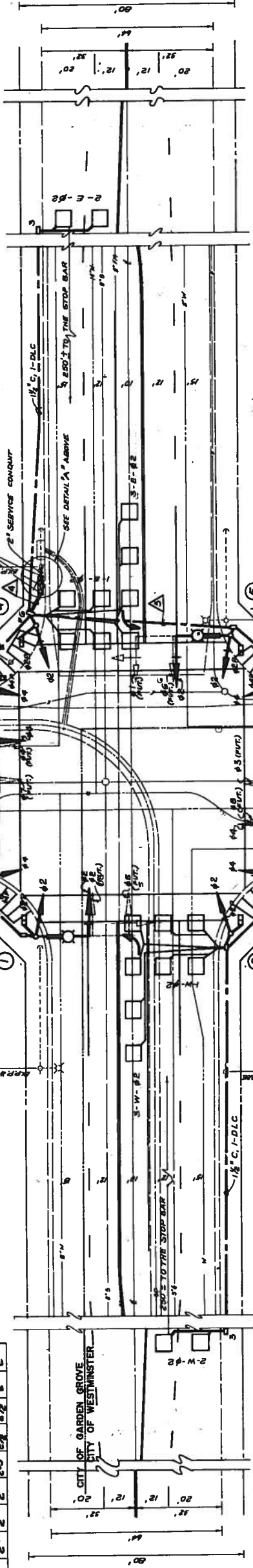
2" CONDUIT FOR CABLE TV CABLE  
PROVIDE RISER FOR CABLE TV CABLE PER CABLE COMPANY REQUIREMENTS.  
RR # 681612

CONTROLLER NOTES

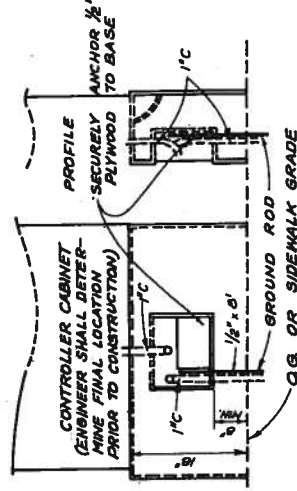
1. INSTALL CITY FURNISHED CONTROLLER AND TYPE "P" CABINET ON MODIFIED FOUNDATION.
2. FURNISH AND INSTALL NEW TYPE II SERVICE ON CITY FURNISHED CABINET.
3. THE TYPE II SERVICE SHALL BE A HEAVY DUTY 120/240 VOLT SERVICE WITH 40 AMP SIGNAL BREAKER, 30 AMP STREET LIGHT BREAKER, 20 AMP STREET NAME BREAKER AND TWO (2) 15 AMP SPACERS.

DETAIL "A"

WATER CABINET & VENTS TO BE REMOVED (NOT IN USE)



CONTROLLER CABINET FOUNDATION  
COMMUNICATION SERVICE BOX



- NOTES:
1. SERVICE CAN SHALL BE FLUSH WITH CONT. USE FLUSH MOUNT. MIN. SIZE SHALL BE 5'x4'.
  2. A 1" DRAIN SHALL BE PROVIDED THROUGH THE FOUNDATION AS DESCRIBED IN NOTE 11 PAGE 65. 66. OF THE STANDARD PLANS.

- GENERAL NOTE
1. ALL WORK MATERIAL AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS, DATED 1984 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
  2. UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. THE CONTRACTOR HOWEVER, IS REQUIRED TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR PROPER OPERATION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN.
  3. TO COORDINATE ALL PHASES OF CONSTRUCTION WITH THE VARIOUS UTILITY COMPANIES INVOLVED.
  4. ALL PULLBOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.
  5. ALL CONDUIT SHALL BE 2" UNLESS OTHERWISE NOTED.
  6. FLASHING INDICATIONS SHALL FLASH RED ON ALL PHASES.
  7. THE CONTRACTOR SHALL CONTACT THE CITY TRAFFIC ENGINEER AT (714) 638-6610 A MINIMUM OF 48 HOURS PRIOR TO INSTALLATION.
  8. ALL LOOPS SHALL BE 6' X 6' WITH 10' SPACING IN DIRECTION OF TRAVEL.
  9. THE EXACT LOCATION OF ALL POLES, STANDARDS, DETECTOR LOOPS, AND TRAFFIC SIGNAL EQUIPMENT SHALL BE DETERMINED BY THE TRAFFIC ENGINEER AND VERIFIED PRIOR TO INSTALLATION.
  10. ALL ILLUMINATED STREET NAME SIGNS SHALL BE INSTALLED ON THE WEST ARM OF THE NEW POLES AND SHALL BE SUPPLIED WITH A PHOTOELECTRIC UNIT.
  11. TYPES OF SIGNS SHALL BE DETERMINED BY THE TRAFFIC ENGINEER. ASSEMBLY SHALL BE COMPLETE WITH ALL EQUIPMENT INCLUDING LOAD SWITCHES, RELAYS, ETC. FOR FUTURE E-PHASE OPERATION.
  12. EACH CONDUCTOR IN EACH PULLBOX SHALL BE IDENTIFIED AS DETAILED IN THE CONDUCTOR TABLE WITH A PERMANENT IDENTIFICATION BAND IN PULLBOXES AND NEAR THE END OF EACH CONDUCTOR WHERE THE CONDUCTOR IS TERMINATED.
  13. CONDUCTORS SHALL TERMINATE AT THE PULLBOXES AND IN THE CONTROLLER CABINET. SPARE SHALL BE TAPPED ON THE END AND BE CONTINUOUS.
  14. LUMINAIRES SHALL HAVE INTEGRAL BALLAST AND TYPE IV PHOTOELECTRIC CONTROL, AND SHALL BE THE G.E. POWER DOOR TYPE.
  15. ALL SIGNAL HEADS AND BACKPLATES SHALL BE METAL.
  16. ALL SIGNAL PAGES SHALL BE 12" X 12" WITH 1/2" DIA. HOLES.
  17. NO PULLBOX SHALL BE LOCATED IN OR WITHIN 1' OF ANY WHEELCHAIR RAMP.

