

EQUIPMENT SCHEDULE

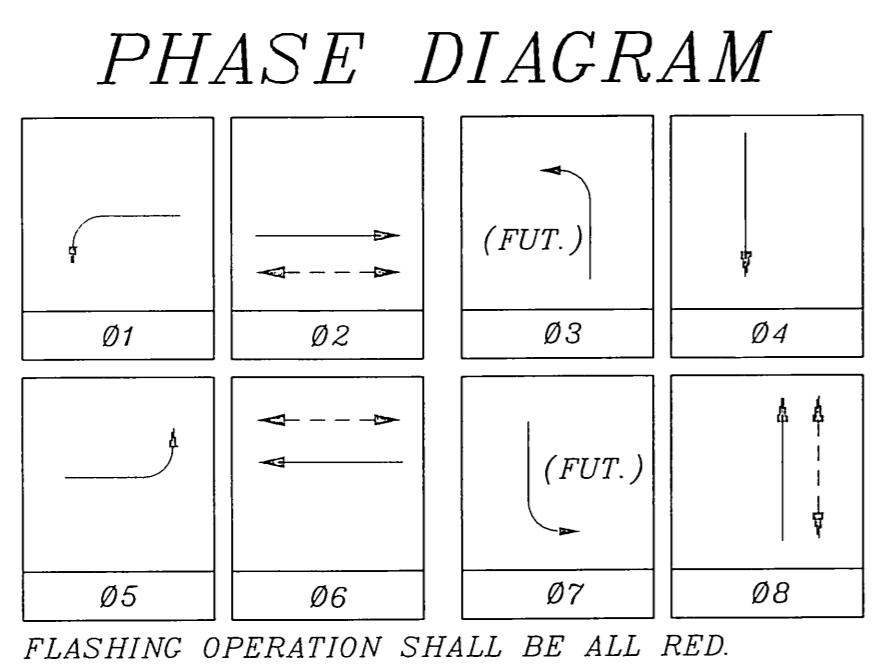
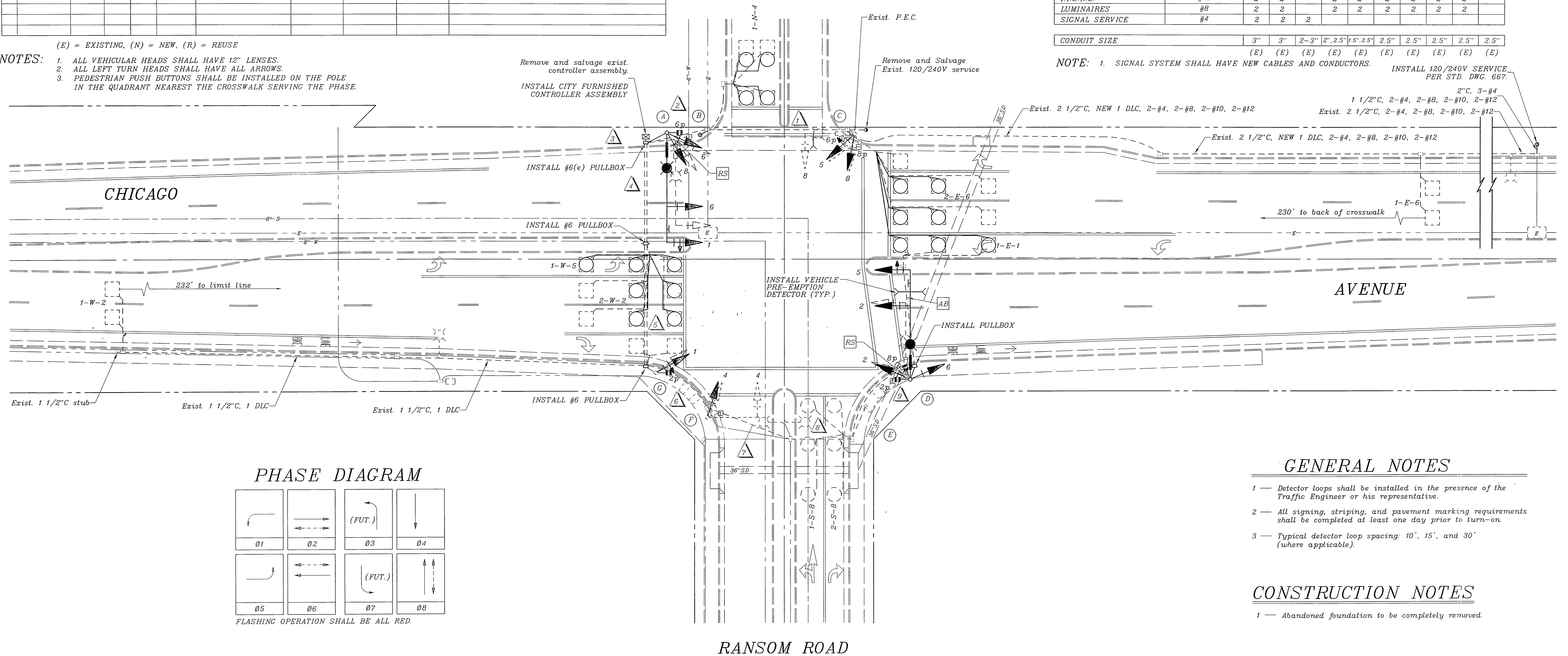
NO.	SIGNAL STANDARD		LUMINAIRE		S.N.S.		SIGNAL MOUNTINGS		PPB	REMARKS
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN		
(A)	26-4-80(N)	30'(N)	45'(N)	15'(N)	250W(N)	RANSOM	RD ₁₆₀₀ (N)	MAS(N)		RELOCATE EXIST. PED. SIGNAL TO NEW POLE.
								MAS(N)		
								SV-2-TD(N)	SP-1-T(R)	
(B)	PED. POST	3'10"(N)							6(N)	
(C)	Type 17A (E)	35'(E)	20'(E)	15'(E)	400W(E)	CHICAGO	AV ₅₈₀₀ (N)	MAS(E)		
								SV-2-TD(N)	SP-2-T(E)	6,8(N)
(D)	26-4-80(N)	30'(N)	45'(N)	15'(N)	250W(N)	RANSOM	RD ₁₆₀₀ (N)	MAS(N)		RELOCATE EXIST. PED. SIGNAL TO NEW POLE.
								MAS(N)		
								SV-2-TB(N)	SP-2-T(R)	8(N)
(E)	PED. POST	3'10"(E)							2(N)	
(F)	TYPE 16 (E)	17'(E)	20'(E)					MAS(E)		
								SV-1-T(N)	SP-1-T(E)	2(N)
										RELOCATE PED. SIGNAL TO POLE G.
(G)	1A (E)	10'(E)						TV-1-T(N)		

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS																		
		1	2	3	4	5	6	7	8	9	10									
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	1	6	4	4	3	2	2	2										
	3 WIRE IMSA	1	2	6	2	2	2	1	1											
DETECTOR CABLE	#16/2																			
PHASE 1		1	1	1																
PHASE 2				2	2	1														
PHASE 3																				
PHASE 4				1	1															
PHASE 5					1	1														
PHASE 6		2	2	2																
PHASE 7																				
PHASE 8				2	2	2	2	2	2	2										
VEHICLE PRE-EMPTION INTERCONNECT	#20	1	1	2	1	1	1	1	1	1										
I.I.S.N.S.	#19																			
LUMINAIRES	#12	2	2		2	2	2	2	2	2										
SIGNAL SERVICE	#8	2	2		2	2	2	2	2	2										
	#4	2	2	2																
CONDUIT SIZE		3"	3"	2-3"	2-2.5"	1.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"

NOTES:
 (E) = EXISTING, (N) = NEW, (R) = REUSE
 1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
 2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
 3. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.

NOTE: 1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS. INSTALL 120/240V SERVICE PER STD. DWG. 667.



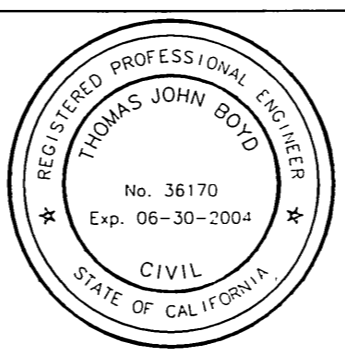
GENERAL NOTES
 1 - Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
 2 - All signing, striping, and pavement marking requirements shall be completed at least one day prior to turn-on.
 3 - Typical detector loop spacing: 10', 15', and 30' (where applicable).

CONSTRUCTION NOTES
 1 - Abandoned foundation to be completely removed.

CONTRACT TE-02-01

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

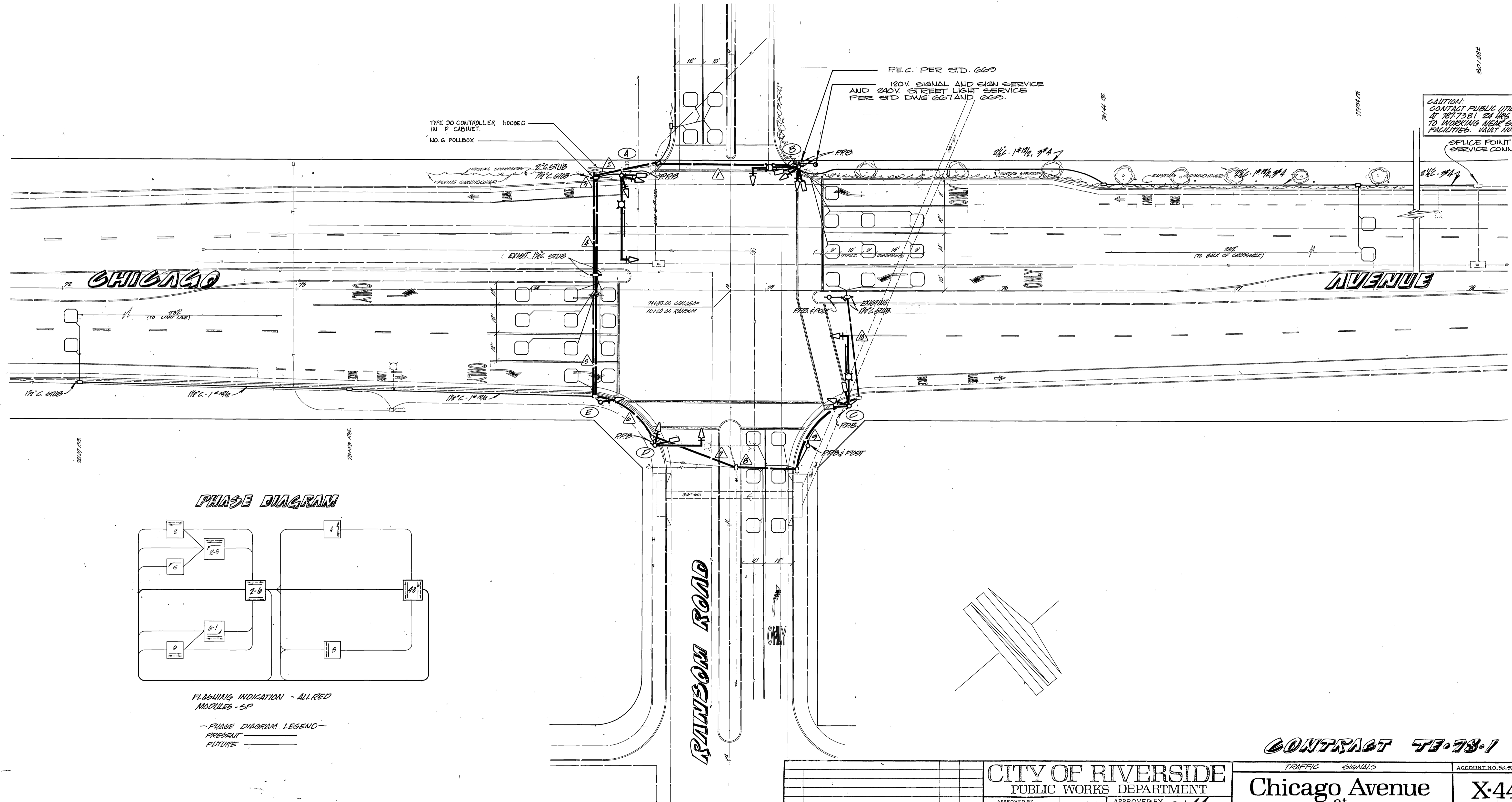
ENGINEER IN RESPONSIBLE CHARGE
 THOMAS JOHN BOYD
 R.C.E. No. 36170 expires
 DATE



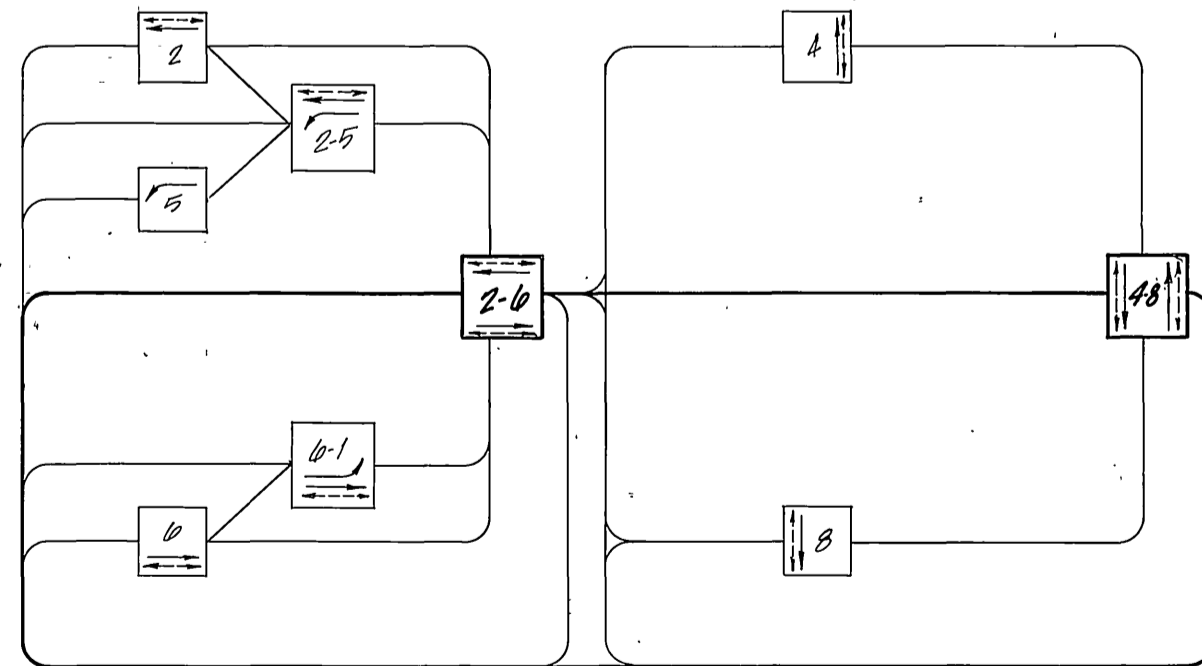
DESIGNED BY: MAC DRAWN BY: MAC CHECKED BY: DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 6/18/02
 DEPUTY P.W. DIR./ENG. PRINCIPAL ENGINEER
 P.W. INSPECTION: [Signature] DATE: 6/11/02
 TRAFFIC DIVISION
 PUBLIC UTILITIES

TRAFFIC SIGNAL MODIFICATION
 CHICAGO AVENUE AND RANSOM ROAD
 SCALE: 1" = 20'
 ACCT. NO. 9751533214-4403020
 X-446A
 SHEET 1 OF 1
 FILE NAME: X446A.DWG



PHASE DIAGRAM



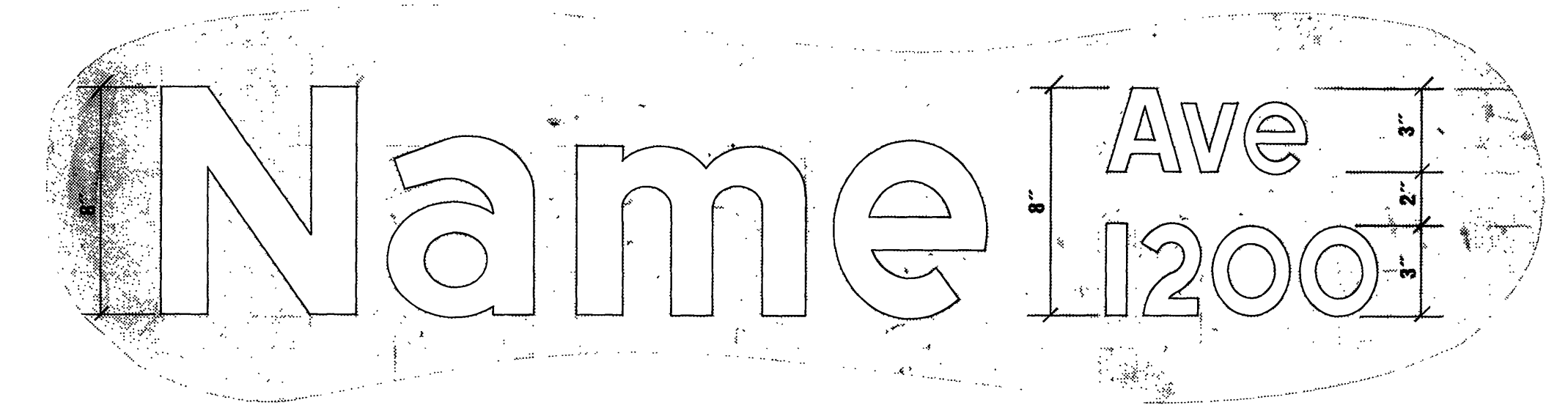
FLASHING INDICATION - ALL RED
MODULES - 28

— PHASE DIAGRAM LEGEND —
PRESENT
FUTURE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		CONTRACT TE-78-1 TRAFFIC SIGNALS		ACCOUNT NO. 90-570-978-01
APPROVED BY PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF E. ENGINEER		APPROVED BY PUBLIC WORKS DIRECTOR		X-446
DESIGNED BY: <i>SM</i> DRAWN BY: <i>SM</i> CHECKED BY: <i>SM</i>		DATE: 2/15/78		SHEET 1 OF 2
ASBUILT PER CONTRACT TE-78-1		GPE 4-12-79		HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 10'
FILE NO.		FILE NO.		

GENERAL NOTES:

1. ALL STANDARDS, PULLBOXES, DETECTOR LOOPS AND CONTROLLER WILL BE LOCATED IN THE FIELD BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
2. INSTALLATION OF THE DETECTOR LOOPS WILL BE PERFORMED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
3. THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
4. STRIPING MODIFICATIONS AND/OR ADDITIONS WILL BE PERFORMED BY CITY CREWS.
5. SENSORS FOR ADVANCE DETECTORS SHALL HAVE A VARIABLE CALL-HOLD FEATURE FROM 0-6 SECONDS MINIMUM.
6. INSTALL (3) W41 SIGNS (36" x 36") AS DIRECTED:
 CHICAGO AVENUE - STRAP SIGNS TO EXIST MURBELITE STREET LIGHT STANDARDS.
 RANSOM ROAD - ERECT SIGN ON 4" x 4" x 14" WOOD POST.



TYPICAL LAYOUT FOR INTERNALLY ILLUMINATED STREET NAME SIGN

CONDUCTOR SCHEDULE			CONDUIT RUN													
CONTROL FUNCTION	CONDUCTORS SIZE INSULATION	TW	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			VEHICLE HEADS	#14	TW											
PHASE - 1																
-2 (max. reserve)					3	3										
-4			3	3	3											
-5 (reserve)					3											
-6			3	3	3	3	3	3	3	3	3	3	3	3	3	3
-8			3	3	3	3	3	3	3	3	3	3	3	3	3	3
PEDESTRIAN HEADS																
PHASE - 2			2	2	2											
-4			2	2	2	2	2	2	2	2	2	2	2	2	2	2
-6					2	2	2	2	2	2	2	2	2	2	2	2
-8																
PED PUSH BUTTON																
PHASE - 2			1	1	2											
-4			1	1	2	2	2	2	2	2	2	2	2	2	2	1
-6					2	2	2	2	2	1	1					
-8																
SPARES			3	3	6	3	3	3	3	3	3	3	3	3	3	3
DETECTORS	#14	PE														
PHASE - 1																
-2 (max. reserve)			3	3	4	1	1	1	1	1	1	1	1	1	1	1
-4					2	2	2	2	2	2	2	2	2	2	2	2
-5 (reserve)																
-6					4	4	2									
-8			1	1												
REV. COMMON	#14	TW	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ST. NAME SIGNS	#12		2	2		2	2	2	2	2	2	2	2	2	2	2
REV. COMMON	#10		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SIGNAL SERVICE	#8	THIN	2	2												
LUMINAIRE	#8	THIN	2	2		2	2	2	2	2	2	2	2	2	2	2
INTERCONNECT																
TOTALS	#14	TW	10	10	42	21	21	18	14	14	14	14	14	14	14	14
	#12	PE	3	4	11	7	5	3	3	3	3	3	3	3	3	3
	#10	TW	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	#8	TW	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	#8	THIN	2	2	2	2	2	2	2	2	2	2	2	2	2	2
(EQUIVALENT NO. OF #4)			(32.9)	(41.9)	(123.1)	(64.9)	(64.9)	(41.9)	(37.9)	(37.9)	(37.9)	(37.9)	(37.9)	(37.9)	(37.9)	(37.9)
CONDUIT SIZE			3"	3"	3"	2-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"

FUTURE CONDUCTORS SHALL BE INSTALLED FROM TERMINAL COMPARTMENT TO FUTURE MOUNTING LOCATION ON THE MAIN ARM.

EQUIPMENT SCHEDULE											
LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE		INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB	WATTAGE			
(A)	24A-5 30" x 15" x 15"	1w 3c	MMS	1	1w 2c	SPRT	1	ADD HPBW	RANSOM RD 1000	REMOVE AND SALVAGE EXIST. LIGHT STANDARD AND LUMINAIRE. (SEE NOTE BELOW)	
(B)	17A-5 20" x 15" x 15"	1w 3c	MMS	1	2w 2c	SPRT	2	ADD HPBW	CHICAGO AV. 9500		
(C)	19A-5 30" x 15" x 15"	1w 3c	MMS	1	2w 2c	SPRT	2	ADD HPBW	RANSOM RD 1000	REMOVE AND SALVAGE EXIST. LIGHT STANDARD AND LUMINAIRE	
(D)	16 20" x 20"	1w 3c	MMS	1	1w 2c	SPRT	1				
(E)	1 (10)	1w 3c	TK-T	1						TYPE 1 STD. SHALL BE ALUMINUM AND CITY FURNISHED INCLUDING ANCHOR BOLTS.	

NOTE: A PROVISION FOR FUTURE MMS SIGNAL SHALL BE AT THE 21' POINT ON THE MAIN ARM.

CONTRACT TE-73-1

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT				TRAFFIC SIGNALS		ACCOUNT NO. 32 574 574-07	
APPROVED BY: <i>[Signature]</i> PRINCIPAL ENGINEER				APPROVED BY: <i>[Signature]</i> PUBLIC WORKS DIRECTOR		Chicago Avenue at Ransom Road	
DESIGNED BY: <i>[Signature]</i>				DATE: 2/14/78		X-446 SHEET B OF B	
REVISIONS:				APPR. DATE:		HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" =	
CHECKED BY: <i>[Signature]</i>				FILE NO.:		FILE NO.:	