## 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 | 2 | 2 | 1 | 3 | 4 | 4 | |
| | 9 WIRE IMSA | 1 | 1 | 2 | 2 | 2 | | 3 | 3 | 4 | |
| | 5 WIRE IMSA | | | | 1 | 1 | | 1 | 2 | 2 | |
| | 3 WIRE IMSA | 1 | 2 | 3 | 4 | 4 | 1 | 6 | 7 | 8 | |
| DETECTOR CABLE | #16/2 | | | | | | | | | | |
| PHASE 1 | | | | | | 1 | | 1 | 1 | 1 | |
| PHASE 2 | | | | | | | | | 1 | 1 | |
| PHASE 3 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | |
| PHASE 4 | | | | | | | | | | | |
| PHASE 5 | | | | | | | | | | | |
| PHASE 6 | | | | | | | | 2 | 2 | 2 | |
| PHASE 7 | | | | | | | | | | | |
| PHASE 8 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | |
| TOTALS | | | | 2 | 2 | 3 | | 5 | 6 | 6 | |
| INTERCONNECT CABLE | 19 PAIR #19 | | | | | | | | | | |
| LUMINAIRES | #8 | | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| SIGNAL SERVICE | #6 | | | | | 2 | | 2 | 2 | 2 | |
| CONDUIT SIZE | | 1.5" | 1.5" | 1.5" | 2" | 2" | 2" | 2.5" | 3" | 2-2.5" | |
| (E) = EXISTING CONDUIT; (N) = NEW CONDUIT | | (E) | (E) | (E) | (E) | (E) | (E) | (E) | (E) | (E) | |

NOTES:

SIGNAL SYSTEM SHALL HAVE NEW CABLES. DLC'S FOR ADVANCED DETECTORS MAY BE REUSED.

INTERCONNECT CABLE TO BE REUSED.

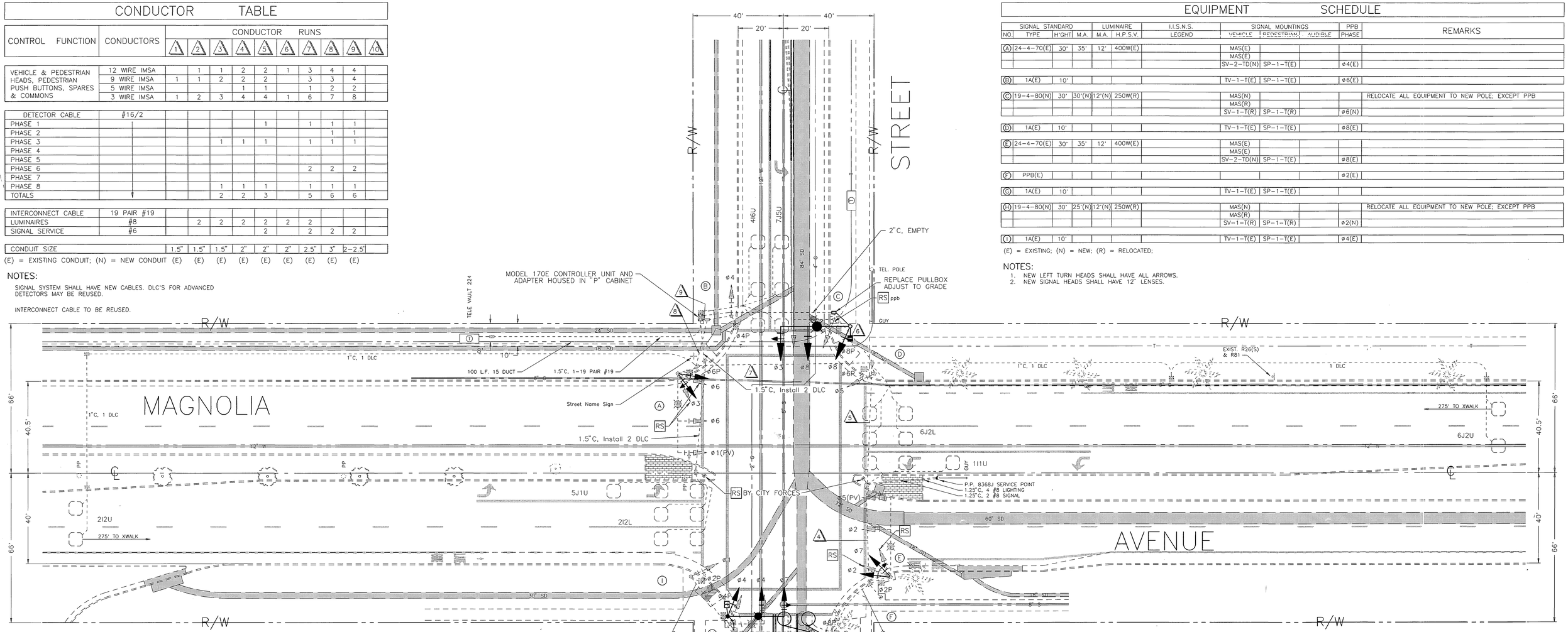
## EQUIPMENT SCHEDULE

| NO. | SIGNAL STANDARD TYPE | H'GHT | M.A. | LUMINAIRE M.A. | H.P.S.V. | I.I.S.N.S. LEGEND | SIGNAL MOUNTINGS VEHICLE | PEDESTRIAN | AUDIBLE | PPB PHASE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (A) | 24-4-70(E) | 30' | 35' | 12' | 400W(E) | | MAS(E) | | | | |
| | | | | | | | MAS(E) | | | | |
| | | | | | | | SV-2-TD(N) | SP-1-T(E) | | ø4(E) | |
| (B) | 1A(E) | 10' | | | | | TV-1-T(E) | SP-1-T(E) | | ø6(E) | |
| (C) | 19-4-80(N) | 30' | 30'(N) | 12'(N) | 250W(R) | | MAS(N) | | | | RELOCATE ALL EQUIPMENT TO NEW POLE; EXCEPT PPB |
| | | | | | | | MAS(R) | | | | |
| | | | | | | | SV-1-T(R) | SP-1-T(R) | | ø6(N) | |
| (D) | 1A(E) | 10' | | | | | TV-1-T(E) | SP-1-T(E) | | ø8(E) | |
| (E) | 24-4-70(E) | 30' | 35' | 12' | 400W(E) | | MAS(E) | | | | |
| | | | | | | | MAS(E) | | | | |
| | | | | | | | SV-2-TD(N) | SP-1-T(E) | | ø8(E) | |
| (F) | PPB(E) | | | | | | | | | ø2(E) | |
| (G) | 1A(E) | 10' | | | | | TV-1-T(E) | SP-1-T(E) | | | |
| (H) | 19-4-80(N) | 30' | 25'(N) | 12'(N) | 250W(R) | | MAS(N) | | | | RELOCATE ALL EQUIPMENT TO NEW POLE; EXCEPT PPB |
| | | | | | | | MAS(R) | | | | |
| | | | | | | | SV-1-T(R) | SP-1-T(R) | | ø2(N) | |
| (I) | 1A(E) | 10' | | | | | TV-1-T(E) | SP-1-T(E) | | ø4(E) | |

(E) = EXISTING; (N) = NEW; (R) = RELOCATED;

NOTES:

1. NEW LEFT TURN HEADS SHALL HAVE ALL ARROWS.
2. NEW SIGNAL HEADS SHALL HAVE 12" LENSES.




## CONSTRUCTION NOTES

## 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'.

4 – PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY. CITY FORCES SHALL PERFORM ALL PAVEMENT DELINEATION REQUIREMENTS (INSTALLATION AND REMOVALS).

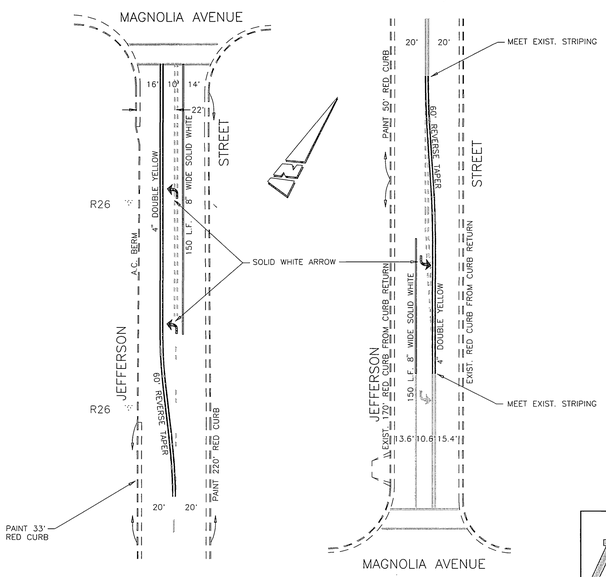
## PAVEMENT DELINEATION

INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.

INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.

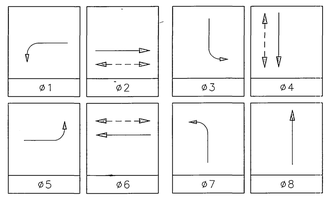
INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.

FOR REFERENCE ONLY




JEFFERSON STRIPING DETAIL
SCALE: 1" = 40'

## PROPOSED PHASE DIAGRAM




(FOR REFERENCE ONLY)

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 I.D. Number call
CALL TOLL FREE
TWO WORKING DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

CONTRACT TE-97-4

ENGINEER IN RESPONSIBLE CHARGE
RICHARD D. McGRATH
R.C.E. NO. 31952 EXPIRES 12-31-2000
DATE 5/28/97

REGISTERED PROFESSIONAL ENGINEER RICHARD D. McGRATH No. 31952 Exp. 12-31-2000 CIVIL STATE OF CALIFORNIA

| MARK | REVISIONS | APPR. | DATE |
|---|---|---|---|

DESIGNED BY JRC DRAWN BY JRC CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

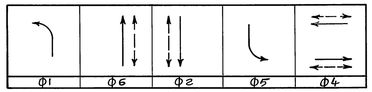
| APPROVED BY | BY | DATE |
|---|---|---|
| PRINCIPAL ENGINEER | | 5/28/97 |
| P.W. INSPECTION | | |
| TRAFFIC DIVISION | | 5/28/97 |
| CHIEF P.W. ENGR. | | |
| PUBLIC UTILITIES | | 5/28/97 |

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE

TRAFFIC SIGNAL MODIFICATION
MAGNOLIA AVENUE AND JEFFERSON STREET
SCALE: 1" = 20'

ACCT. NO. 432-541600-440302-35051
X-302
SHEET 1 OF 1
FILE NAME: X302.DWG

## PROPOSED PHASE DIAGRAM




1+6 → 2+6 → 2+5 → 4

SEQUENCE WITH CALLS ON ALL PHASES.
FLASHING INDICATION: ALL RED.

EXISTING

## GENERAL NOTES

1. ALL DETECTOR LOOPS ARE 6'x6' WITH 3 TURNS, SPACING AS SHOWN ON PLANS.
2. DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
3. THIS PLAN ACCURATE FOR TRAFFIC SIGNAL WORK ONLY.
4. THE CONTROLLER, PULLBOX, DETECTOR LOOPS AND STANDARD WILL BE LOCATED IN THE FIELD BY THE TRAFFIC ENGINEER.
5. SPLICES ARE NOT ALLOWED (SEE CONDUCTOR SCHEDULE FOR ADDITIONS).

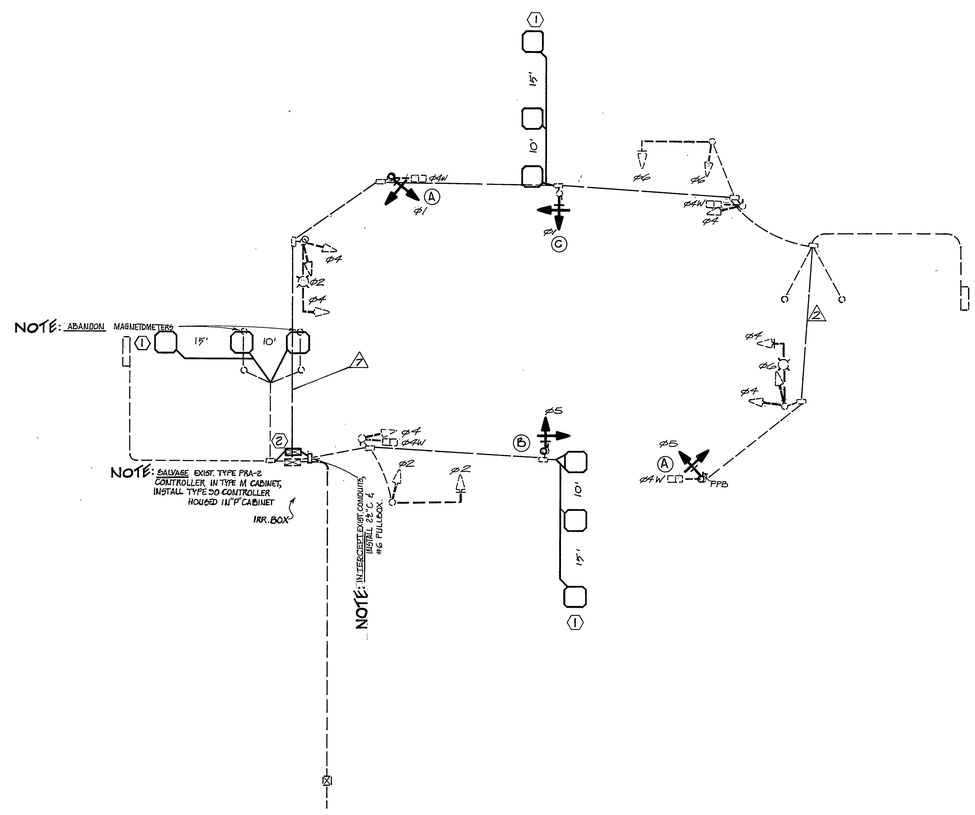
## DESCRIPTION OF WORK

1. INSTALL DETECTOR LOOPS AS SHOWN.
2. SALVAGE EXISTING CONTROLLER AND CABINET; INSTALL NEW CONTROLLER AND CABINET AS SHOWN AND PERFORM NECESSARY CONDUIT AND CONDUCTOR WORK AS REQUIRED.

Ⓐ SALVAGE EXISTING 7' STANDARD AND INSTALL NEW 10' ALUMINUM TYPE 1A STANDARD ON EXISTING FOUNDATION; RELOCATE PPB AND PED. HEAD TO NEW STANDARD; INSTALL TV-1-T (R,Y,12"GA) VEHICULAR INDICATION.

Ⓑ SALVAGE EXISTING 7' STANDARD AND INSTALL NEW 10' ALUMINUM TYPE 1A STANDARD ON EXISTING FOUNDATION; RELOCATE PPB TO NEW STANDARD, AND INSTALL TV-1-T (R,Y,12"GA) VEHICULAR INDICATION.

Ⓒ INSTALL TV-1-T (R,Y,12"GA) VEHICULAR INDICATION ON EXISTING STANDARD.




Φ2&Φ6, Φ1&5
Φ4
Φ2&6
Φ4 2

Φ4W
Φ4

Φ1&5
Φ4

12/2 12/2 12/2 12/2 12/2

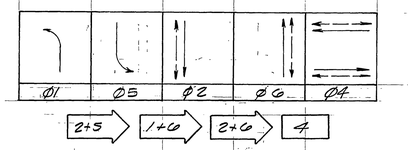
NOTE:
1. USE EXISTING CONDUCTORS FOR LEFT TURN VEHICULAR INDICATIONS IN MEDIAN.
2. USE SPARES FOR FAR LEFT, LEFT-TURN VEHICULAR INDICATIONS.
3. CONDUIT RUNS 5 6 7 8 & 9 SHALL HAVE #12/2 DET. CABLE. ALSO REPLACE ABANDONED MAGNETOMETER CABLE WITH #12/2.

H.H.S. 0005 (718)

JMW Harry JKW
William D. Gardner
9/25/79

2 3

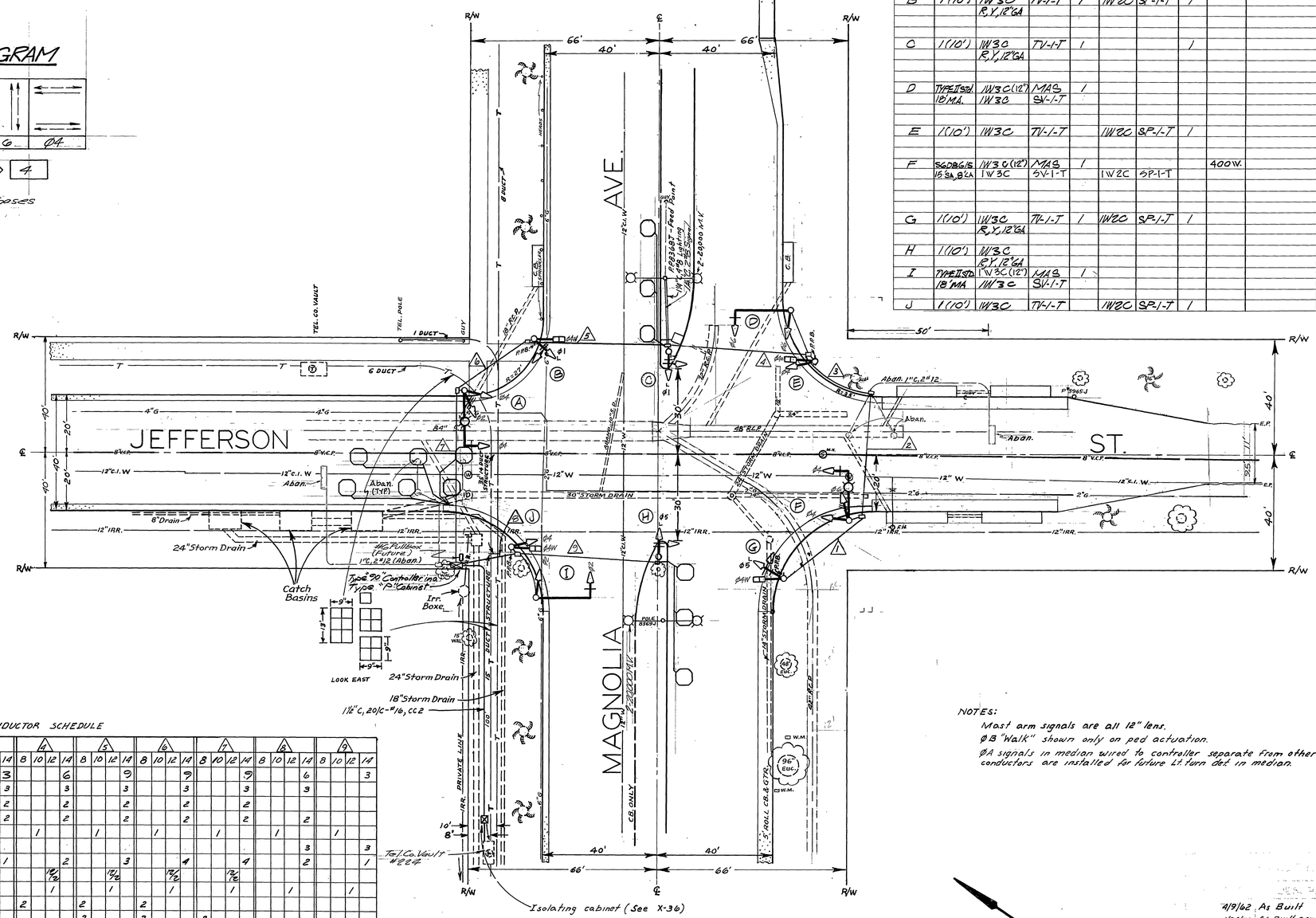
## PHASE DIAGRAM




Sequence with calls on all phases
Flashing Indication: All Red.

## EQUIPMENT SCHEDULE

| Location | Standard | Vehicle Heads: Head | Vehicle Heads: Mounting | Vehicle Heads: Back Plate | Pedestrian Heads: Head | Pedestrian Heads: Mounting | Pedestrian Heads: P.P.B. | Luminaire: Wattage | Int. Illum. Street Name Sign. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| A | 56DB6/8 16SA,8CA | 1W3C(12") 1W3C | MAS SV-1-T | | 1W2C | SP-1-T | | 400W. | | |
| B | 1(10') | 1W3C R,Y,12"GA | TV-1-T | 1 | 1W2C | SP-1-T | 1 | | | ALUMINUM TYPE-1 |
| C | 1(10') | 1W3C R,Y,12"GA | TV-1-T | 1 | | | 1 | | | ALUMINUM TYPE-1 |
| D | TYPE II STD 18'MA. | 1W3C(12") 1W3C | MAS SV-1-T | 1 | | | | | | |
| E | 1(10') | 1W3C | TV-1-T | | 1W2C | SP-1-T | 1 | | | |
| F | 56DB6/8 16SA,8CA | 1W3C(12") 1W3C | MAS SV-1-T | 1 | 1W2C | SP-1-T | | 400W. | | |
| G | 1(10') | 1W3C R,Y,12"GA | TV-1-T | 1 | 1W2C | SP-1-T | 1 | | | ALUMINUM TYPE-1 |
| H | 1(10') | 1W3C R,Y,12"GA | | | | | | | | ALUMINUM TYPE-1 |
| I | TYPE II STD 18'MA | 1W3C(12") 1W3C | MAS SV-1-T | 1 | | | | | | |
| J | 1(10') | 1W3C | TV-1-T | | 1W2C | SP-1-T | 1 | | | |




NOTES:

Most arm signals are all 12" lens.
ØB "Walk" shown only on ped actuation.
ØA signals in median wired to controller separate from other ØA signals, conductors are installed for future Lt turn det. in median.

## CONDUCTOR SCHEDULE

| CONDUCTOR RUN | 1 | | | | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONDUCTORS | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 | 8 | 10 | 12 | 14 |
| Ø2#6, Ø1#5 | | | | 3 | | | | 3 | | | | 3 | | | | 6 | | | | 9 | | | | 9 | | | | 9 | | | | 6 | | | | 3 |
| Ø4 | | | | | | | | 3 | | | | 3 | | | | 3 | | | | 3 | | | | 3 | | | | 3 | | | | 3 | | | | |
| Ø2#6 Ped signals | | | | | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | |
| ØB W-DW | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | |
| 110 V. Neutral | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | |
| Spares | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 3 |
| Ø4WP.P.B. | | | | 1 | | | | 1 | | | | 1 | | | | 2 | | | | 3 | | | | 4 | | | | 4 | | | | 2 | | | | 1 |
| Ø4 Det. | | | | | | | | | | | | 12½ | | | | 12½ | | | | 12½ | | | | 12½ | | | | 12½ | | | | | | | | |
| 12 V. Neutral | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | |
| Luminaires | | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | 2 | | | | | | | | | | | | | | | |
| Signal Service | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | 2 | | | | | | | | | | | |
| Ø1#5 Lt. Turn Det | | | | | | | | | | | | | | | | | | | | 12½ | | | | 12½ | | | | 12½ | | | | 12½ | | | | 12½ |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL CONDUCTORS | 1 | 1 | | 6 | 2 | 1 | 1 | 11 | 2 | 1 | 2 | 11 | 2 | 1 | 2 | 15 | 4 | 1 | 3 | 19 | 4 | 1 | 3 | 20 | 2 | 1 | 3 | 20 | 1 | 2 | 1 | 16 | 1 | 2 | 1 | 7 |
| CONDUIT SIZE | 1½" | | | | 1½" | | | | 1½" | | | | 2" | | | | 2" | | | | 2" | | | | 2" | | | | 1½" | | | | 1½" | | | |

SCALE: 1" = 20'

| DATE | DESCRIPTION | |
|---|---|---|
| 4/9/62 | As Built | ADD |
| 1/24/72 | As Built per Cont. TE-76-1 | JMW |
| 6-19-72 | Remove signals in median | JMW |
| 2/6/81 | As Built per H.H.S. Project #6 | |

JEFFERSON PARISH
DEPARTMENT OF PUBLIC W

# TRAFFIC SIGNALS
MAGNOLIA AVE.—JEFFERSON ST.

ISSUE DATE: ADD
CHECKED BY: D. Richard
APPROVED BY: D. Matthews
4/10/62

X—302

D-41

MISSION BLUEPRINT CO.