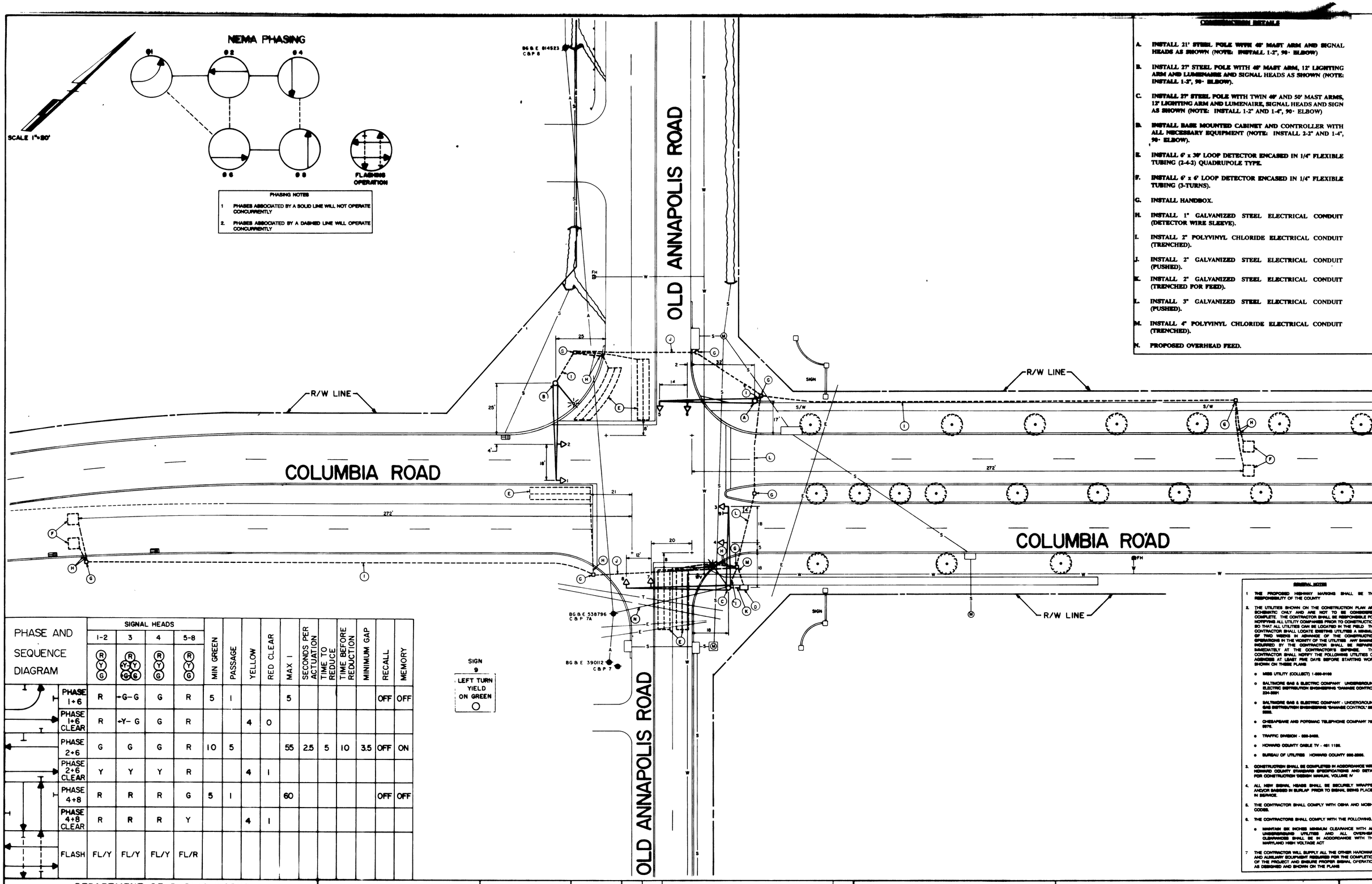

CONSTRUCTION DETAILS

A. INSTALL 21' STEEL POLE WITH 40' MAST ARM AND SIGNAL HEADS AS SHOWN (NOTE: INSTALL 1-2", 90° ELBOW)

B. INSTALL 27' STEEL POLE WITH 40' MAST ARM, 12' LIGHTING ARM AND LUMENAIRE AND SIGNAL HEADS AS SHOWN (NOTE: INSTALL 1-2", 90° ELBOW).

C. INSTALL 27' STEEL POLE WITH TWIN 40' AND 50' MAST ARMS, 12' LIGHTING ARM AND LUMENAIRE, SIGNAL HEADS AND SIGN AS SHOWN (NOTE: INSTALL 1-2" AND 1-4", 90° ELBOW)

D. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-2" AND 1-4", 90° ELBOW).

E. INSTALL 6' x 30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (2-4-2) QUADRUPOLE TYPE.

F. INSTALL 6' x 6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-TURNS).

G. INSTALL HANDBOX.

H. INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

I. INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

J. INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED).

K. INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED FOR FEED).

L. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED).

M. INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

N. PROPOSED OVERHEAD FEED.

GENERAL NOTES

1. THE PROPOSED HIGHWAY MARKING SHALL BE TH RESPONSIBILITY OF THE COUNTY
2. THE UTILITIES SHOWN ON THE CONSTRUCTION PLAN AR SCHEMATIC ONLY AND ARE NOT TO BE CONSIDERE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FO NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTIO SO THAT ALL UTILITIES CAN BE LOCATED IN THE FIELD. TH CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMU OF TWO WEEKS IN ADVANCE OF THE CONSTRUCTIO OPERATIONS IN THE VICINITY OF THE UTILITIES. ANY DAMAG INCURRED BY THE CONTRACTOR SHALL BE REPAIRE IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. TH CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES O AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WOR SHOWN ON THESE PLANS
   - MISS UTILITY (COLLECT) 1-800-5100
   - BALTIMORE GAS & ELECTRIC COMPANY UNDERGROUN ELECTRIC DISTRIBUTION ENGINEERING "DAMAGE CONTRO 234-5591
   - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUN GAS DISTRIBUTION ENGINEERING "DAMAGE CONTROL" 5555
   - CHESAPEAKE AND POTOMAC TELEPHONE COMPANY 76 5975.
   - TRAFFIC DIVISION - 555-3400.
   - HOWARD COUNTY CABLE TV - 461 1199.
   - BUREAU OF UTILITIES HOWARD COUNTY 592-3555.
3. CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WIT HOWARD COUNTY STANDARD SPECIFICATIONS AND DETA FOR CONSTRUCTION "DESIGN MANUAL, VOLUME IV
4. ALL NEW SIGNAL HEADS SHALL BE SECURELY WRAPPE AND/OR BAGGED IN BURLAP PRIOR TO SIGNAL BEING PLACE IN SERVICE.
5. THE CONTRACTOR SHALL COMPLY WITH OSHA AND MOSH CODES.
6. THE CONTRACTORS SHALL COMPLY WITH THE FOLLOWING.
   - MAINTAIN SIX INCHES MINIMUM CLEARANCE WITH AL UNDERGROUND UTILITIES AND ALL OVERHEA CLEARANCES SHALL BE IN ACCORDANCE WITH TH MARYLAND HIGH VOLTAGE ACT
7. THE CONTRACTOR WILL SUPPLY ALL THE OTHER HARDWAR AND AUXILIARY EQUIPMENT REQUIRED FOR THE COMPLETION OF THE PROJECT AND ENSURE PROPER SIGNAL OPERATIO AS DESIGNED AND SHOWN ON THE PLANS

PHASE AND SEQUENCE DIAGRAM	SIGNAL HEADS 1-2 (R Y G)	3 (R Y Y G G)	4 (R Y G)	5-8 (R Y G)	MIN GREEN	PASSAGE	YELLOW	RED CLEAR	MAX I	SECONDS PER ACTUATION	TIME TO REDUCE	TIME BEFORE REDUCTION	MINIMUM GAP	RECALL	MEMORY
PHASE 1+6	R	G-G	G	R	5	1			5					OFF	OFF
PHASE 1+6 CLEAR	R	Y- G	G	R			4	0							
PHASE 2+6	G	G	G	R	10	5			55	2.5	5	10	3.5	OFF	ON
PHASE 2+6 CLEAR	Y	Y	Y	R			4	1							
PHASE 4+8	R	R	R	G	5	1			60					OFF	OFF
PHASE 4+8 CLEAR	R	R	R	Y			4	1							
FLASH	FL/Y	FL/Y	FL/Y	FL/R											

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS DATE

CHIEF, BUREAU OF ENGINEERING DATE 9-21-98

CHIEF, TRAFFIC ENGINEERING DIVISION DATE

A/E GROUP, INC
9515 REISTERSTOWN ROAD
P.O. BOX 117
GARRISON, MARYLAND 21055
(301) 363-1906

DES'T ZAYDEL
DRN'T ZAYDEL
CHK
DATE 5/19/98

BY	NO	REVISION	DATE

TRAFFIC SIGNAL PLAN
COLUMBIA ROAD & OLD ANNAPOLIS ROAD

600' SCALE MAP NO _____ BLOCK NO. _____

T-7047

SCALE AS SHOWN

SHEET 1 OF 2

746

COLUOLD 1