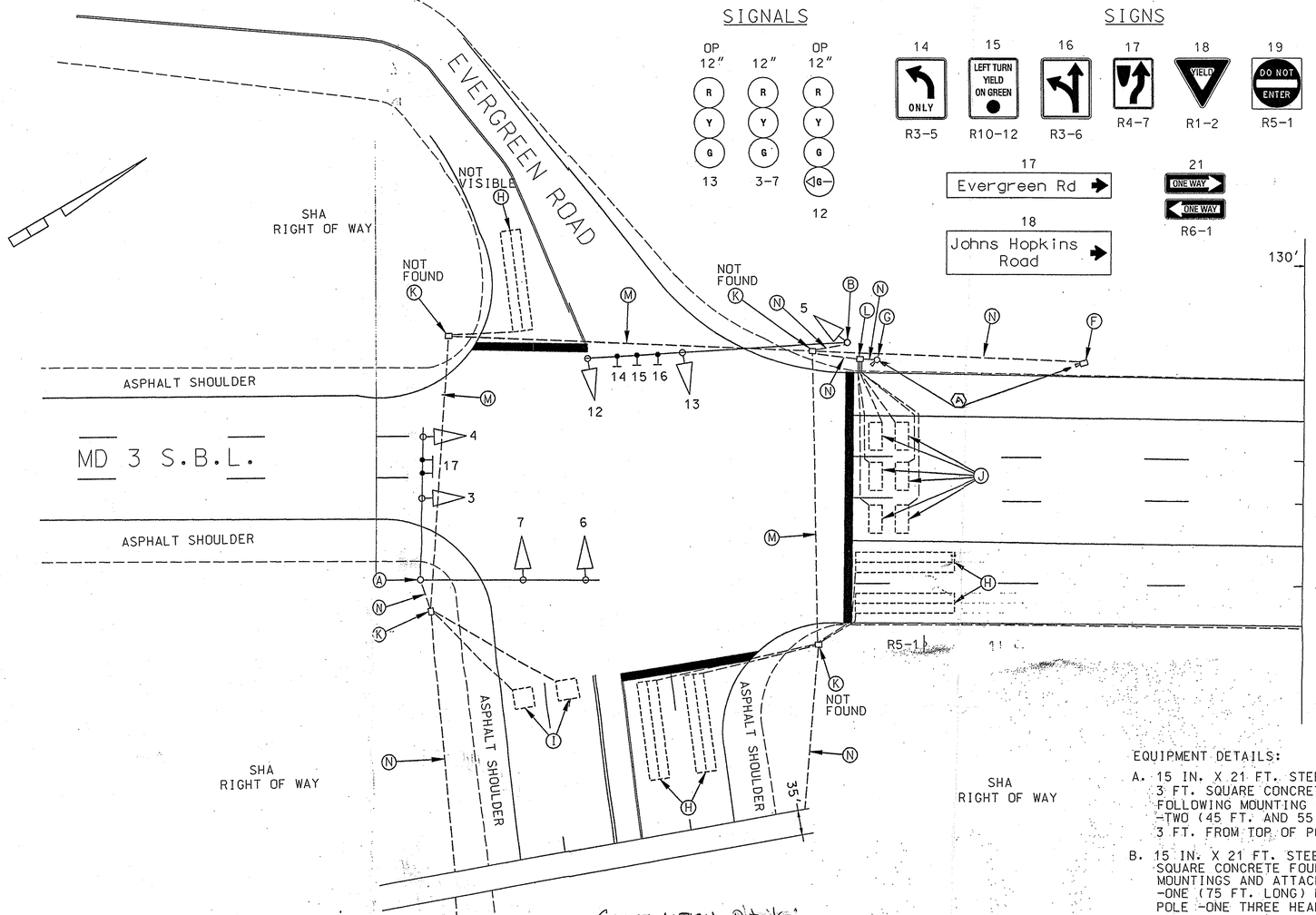
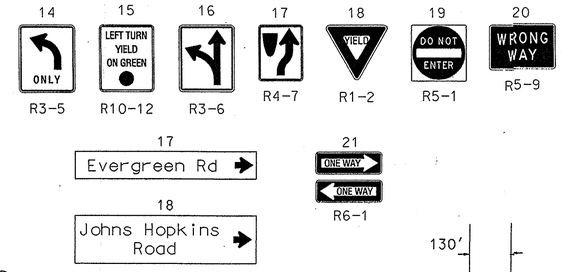
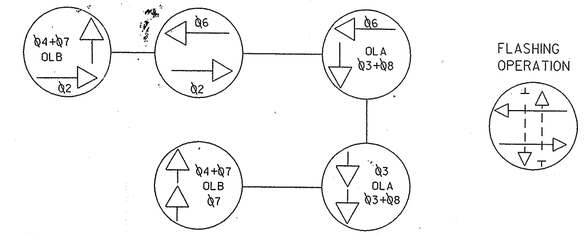


SIGNALS

SIGNS

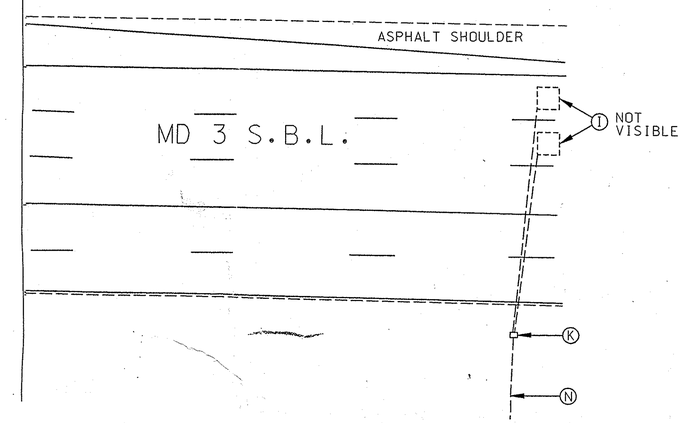


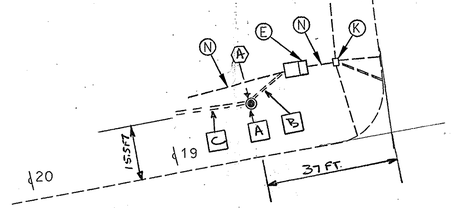
NEMA PHASING



PHASING NOTES :

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY





CONSTRUCTION Details:

A. FURNISH & INSTALL POWER PEDESTAL, METER PAN, STAINLESS STEEL DISCONNECT AND 2" PVC (SCHEDULE 80) CONDUIT

B. FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT (3-KMA AND) AND POWER CABLES, INTO EXISTING POWER OR SPARE CONDUIT BEND FROM POWER PEDESTAL TO CONTROLLER CABINET.

C. FURNISH & INSTALL 2" PVC (SCHEDULE 80) CONDUIT & CONDUIT BEND BETWEEN POWER PEDESTAL AND BG&E POWER SOURCE.

Power Pedestal must be installed as per SHA Typical # 807.07-01 to 03

EQUIPMENT DETAILS:

A. 15 IN. X 21 FT. STEEL TWIN MAST ARM POLE ON 3 FT. SQUARE CONCRETE FOUNDATION WITH THE FOLLOWING MOUNTING AND ATTACHMENT:
-TWO (45 FT. AND 55 FT. LONG) MAST ARMS BOTH 3 FT. FROM TOP OF POLE

B. 15 IN. X 21 FT. STEEL MAST ARM POLE ON 3 FT. SQUARE CONCRETE FOUNDATION WITH FOLLOWING MOUNTINGS AND ATTACHMENTS:
-ONE (75 FT. LONG) MAST ARM 4 FT. FROM TOP OF POLE -ONE THREE HEAD TRAFFIC SIGNAL (FACING WEST)

C. 15 IN. X 23 FT. STEEL TWIN MAST ARM POLE ON 3 FT. DIAMETER CONCRETE FOUNDATION WITH THE FOLLOWING MOUNTING AND ATTACHMENT:
-TWO (55 FT. AND 65 FT. LONG) MAST ARMS 3 FT. AND 5 FT. FROM TOP OF POLE

D. 15 IN. X 21 FT. STEEL MAST ARM POLE ON 3 FT. SQUARE CONCRETE FOUNDATION WITH THE FOLLOWING MOUNTING ATTACHMENT:
ONE (35 FT. LONG) MAST ARM 4 FT. FROM TOP OF POLE

E. 2.2 FT. X 3.6 FT. X 4.5 FT. BASE MOUNTED CABINET AND CONTROLLER WITH 4 FT. X 4.5 FT. CONCRETE PAD AND ELECTRIC POWER METER AND DISCONNECT ON BACK

F. 12 FT. MOTORIZED POLE AND RED LIGHT CAMERA (RLC) UNIT

G. 9 FT. BREAKAWAY POLE WITH AUXILIARY FLASH UNIT

H. 6 FT. X 30 FT. LOOP DETECTOR FOR TRAFFIC SIGNAL

I. 6 FT. X 6 FT. LOOP DETECTOR FOR TRAFFIC SIGNAL

J. 40 IN. X 100 IN. LOOP DETECTOR FOR RED LIGHT CAMERAS

K. HANDHOLE FOR TRAFFIC SIGNAL EQUIPMENT

L. HANDHOLE FOR RED LIGHT CAMERA EQUIPMENT

M. 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT

N. 2 IN. RIGID PVC ELECTRICAL CONDUIT

O. 2 IN. GALVANIZED STEEL ELECTRICAL CONDUIT

MARYLAND STATE HIGHWAY ADMINISTRATION
TRAFFIC ENGINEERING DESIGN DIVISION

☐ APPROVED
☒ APPROVED AS NOTED
☐ REJECTED - REVISE & RESUBMIT

REVIEWED BY: [illegible] DATE 1-12-06

Review is for general compliance with contract documents. No responsibility is assumed for correctness of dimensions or quantities.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

GAS MAIN	-----G-----G-----
WATER MAIN	-----W-----W-----
SEWER MAIN	-----S-----S-----
ELECTRIC CABLES	-----E-----E-----
AERIAL CABLES	——A——A——
TELEPHONE CABLE	-----T-----T-----
STORM DRAINAGE	-----D-----D-----
CABLE TV	-----TV-----TV-----

REVISIONS					
C	AS-BUILT				
C.W.	D.P.	E.V.	F.M.	W.C.	6/02
12	Upgrade Redlight Camera 1-12-06				

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 3 (SOUTHBOUND) @ EVERGREEN ROAD

DRAWN BY: J. KRATT	F.A.P. NO.	TS NO. 2151	SHEET NO.
CHECKED BY: S. BENZI	S.H.A. NO. AA-438-509-585	T.M.S. NO. H314	1 OF 1
SCALE: 1"=20'	COUNTY: ANNE ARUNDEL		
DATE:	LOG MILE: 02000303.15		

t:\9139140grmd 3 (SOUTH BOUND) @ EVERGREEN ROAD-AB.dgn
08/16/02