

DRILL HOLES

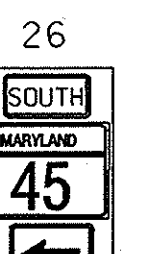
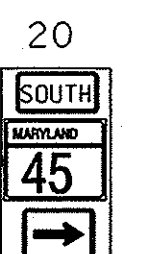
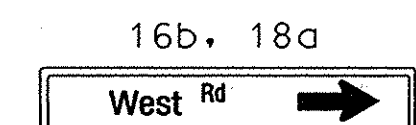
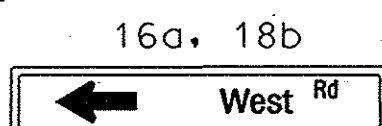
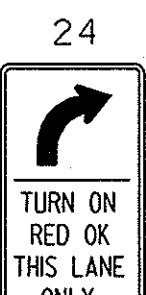
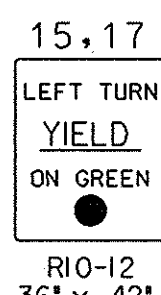
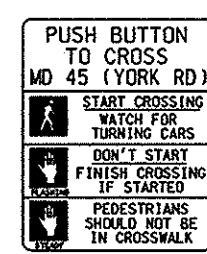
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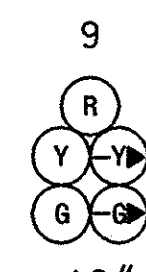
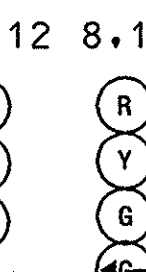
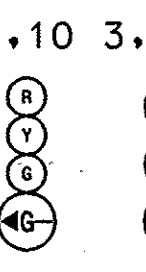
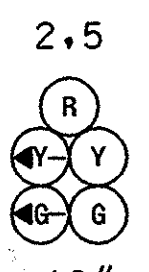
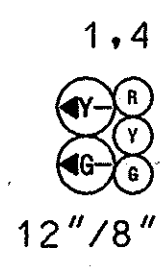
BORDER REV. DATE: JUNE 1, 2004

MD 45 IS ASSUMED TO RUN
IN A NORTH / SOUTH DIRECTION

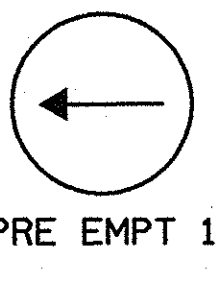
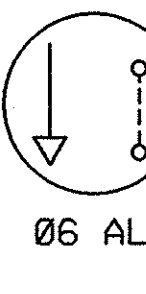
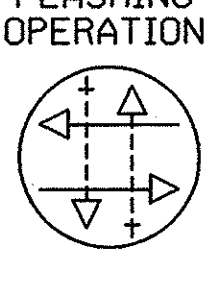
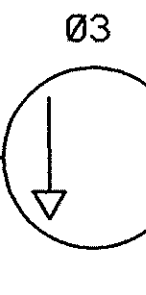
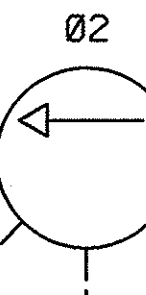
EXISTING SIGNS



EXISTING SIGNALS

a, b, c, d
EXISTING VIDEO
DETECTIONPROPOSED SIGNAL
- - - OPTICOM DETECTOR EYE

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

NBR MD 45 (YORK ROAD)

SBR MD 45 (YORK ROAD)

WEST RD

CONSTRUCTION DETAILS

- Install opticom detector eye onto existing mast arm as shown.
- Use existing signal pole.
- Use existing conduit.
- Use existing handhole.
- Install opticom Discriminator module into existing base mounted cabinet.

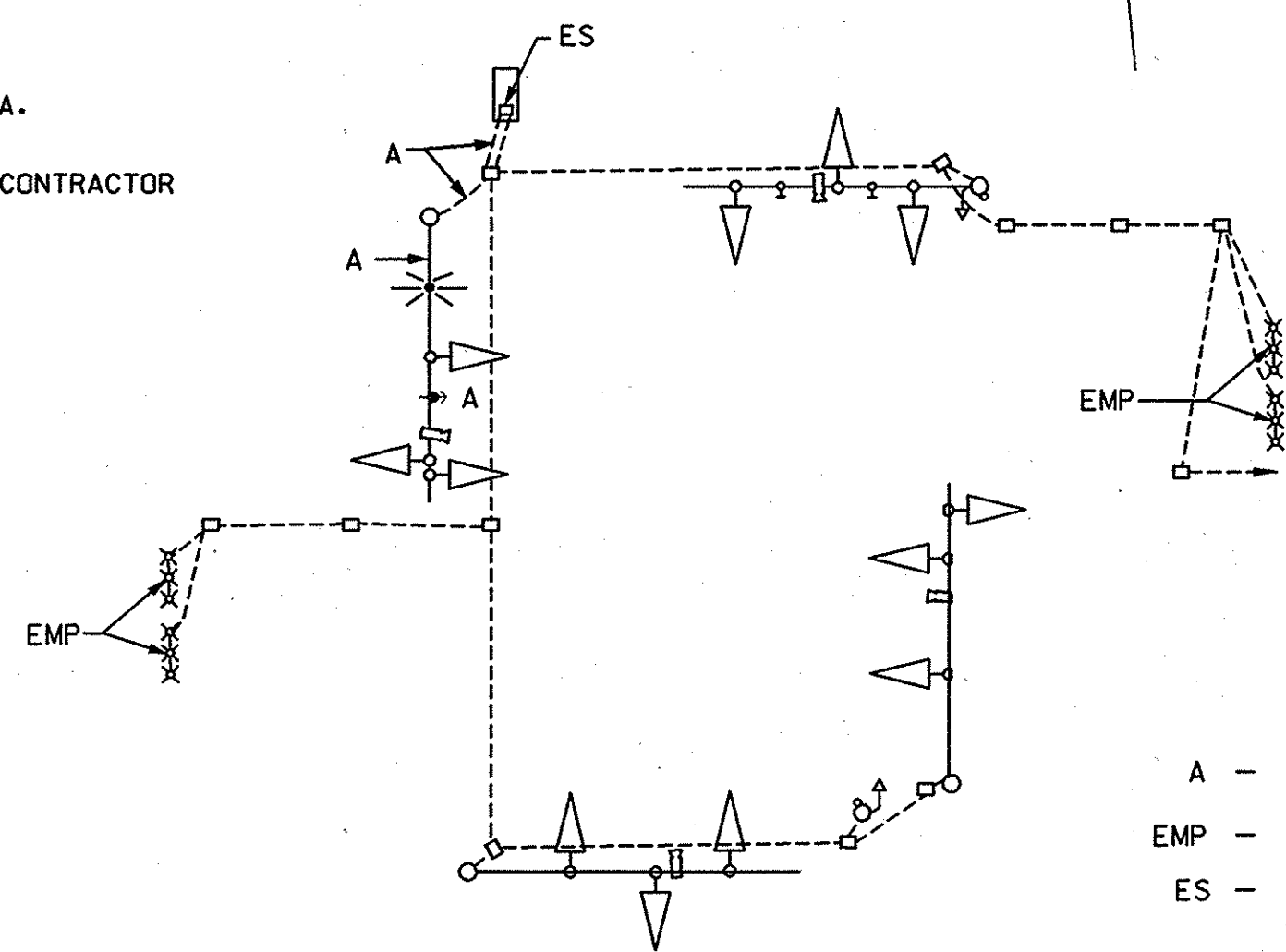
EQUIPMENT LIST

- A. EQUIPMENT TO BE FURNISHED BY THE SHA
There is no equipment to be supplied by the SHA.
- B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	*- NOT FOR THIS INTERSECTION ALREADY BEEN COVERED ON SHEET 1/2.	
8008	3M opticom Discriminator module, 4 channel #764.	1 EA
8033	4 conductor opticom detector cable.	75 LF
8066	Opticom #721 detector eye.	1 EA

GEOMETRIC LEGEND
PROPOSED
EXISTING
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

WIRING DIAGRAM



WIRING KEY

- A - 4 CONDUCTOR OPTICOM CABLE
EMP - EXISTING MICROPROBE LEAD-IN CABLE
ES - EXISTING SERVICE
MAINTAINED BY BGE

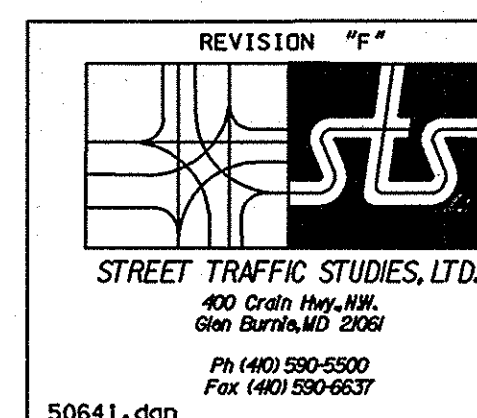
PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12
R	R	R	R	R	R	R	R	R	R	R	R
G	G	G	G	G	G	G	G	G	G	G	G
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

PHASE 1 AND 5	PHASE 2 AND 6	PHASE 3	PHASE 4	PRE EMPT 1	PRE EMPT 1 CHANGE	FLASHING OPERATION
R R R R R R R R	R R R R R R R R	R R R R R R R R	R R R R R R R R	G G G G R R R R	Y Y Y Y R R R R	FLV FLV FLV FLV FLV FLV FLV FLV

THIS IS NOT A REDLINE REVISION. RED
INDICATES PROPOSED OPTICOM DETECTOR
EQUIPMENT. IT IS SHOWN IN RED FOR CLARITY.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATIONMD 45 (YORK ROAD)
AT WEST ROAD

50641.dgn

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
1. INSTALL OPTICOM SHA: AT7825185
2. SWAP PHASE 3&4 AND RIGHT TURN OVERLAP FOR SHIP FORCES TO INSTALL PER TOM HICKS
3. REDLINE REVISION 17. INSTALL REDESIRED INDICATIONS ACROSS MD 45 SHA NO. 1-03-081512

SCALE 1" = 20'	DATE 4/28/06	CONTRACT NO.
DESIGNED BY BARRY KING	COUNTY BALTIMORE	
DRAWN BY A. BUDNICHUK	LOGMILE 03004503.01	
CHECKED BY	TMS NO. H423	
F.A.P. NO.	TOD NO.	
TS NO. 3384 F	DRAWING NO. 9 OF 9	SHEET NO. OF

PLOTTER: #04TETIM#
FILE: #FILE#