DRILL HOLES

BORDER REV. DATE: June 1, 2004

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

EXISTING SIGNS

26,27 — 13,15 (LEFT TURN YIELD ON GREEN) R10-12 36" x 42" — 17 (ONLY) R3-5R 30" x 36" — 18,19 R3-6 30" x 36" — 20 (ONLY NO TURN ON RED THIS LANE) R3-6(l) 30" x 54" — 21 (TURN ON RED OK THIS LANE ONLY) R3-5(2) 30" x 54

14,16 — West Rd — D3-2 (VARIABLE X 16")

14A,16A — West Rd — D3-2 (VARIABLE X 16")

22 — NORTH MARYLAND 45 — SHIELD ASSEMBLY (24"x51")

23 — NORTH MARYLAND 45 — SHIELD ASSEMBLY (36"x75")

24 — SOUTH MARYLAND 45 — SHIELD ASSEMBLY (24"x51")

25 — SOUTH MARYLAND 45 — SHIELD ASSEMBLY (36"x75")

EXISTING SIGNALS

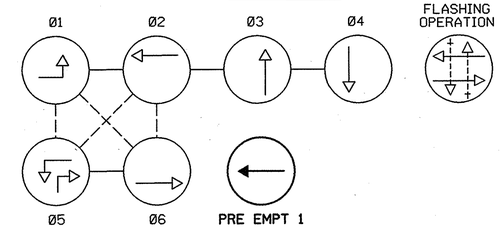
1,4 — 12"/8" — 2,5 — 12" — 7,10 — 12"/8" — 3,6,12 — 12" — 8,11 — 12" — 9 — 12"

a,b,c,d — EXISTING VIDEO DETECTION

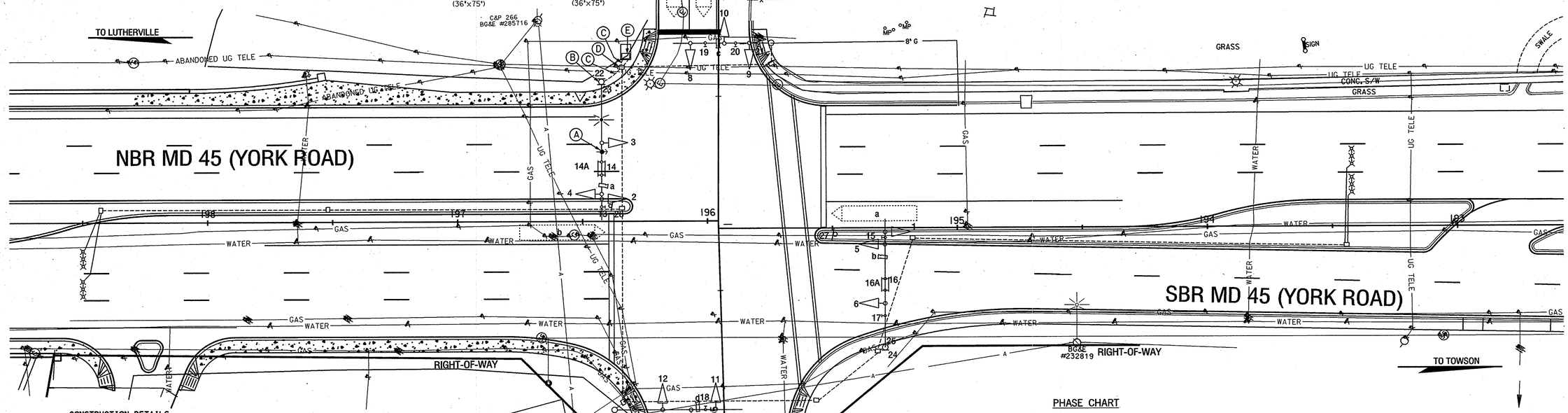
PROPOSED SIGNAL

-●- — 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.



CONSTRUCTION DETAILS

A. Install opticom detector eye onto existing mast arm as shown.
B. Use existing signal pole.
C. Use existing conduit.
D. Use existing handhole.
E. Install opticom Discriminator module into existing base mounted cabinet.

EQUIPMENT LIST

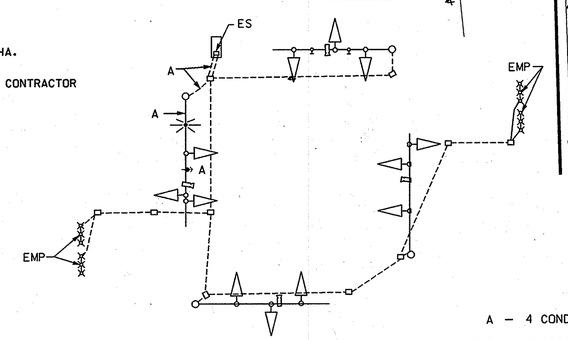
A. EQUIPMENT TO BE FURNISHED BY THE SHA

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

WIRING DIAGRAM



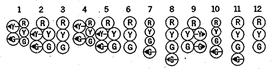
WIRING KEY

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
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6												
PHASE 1 AND 6	R	R	R	+GG	+GG	G	R	R	R	R	R	R
1 AND 6 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	R	R
PHASE 2 AND 5	+GG	+GG	G	R	R	R	R	R	R	R	R	R
2 AND 5 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	G/+G	G/+G	G	R	R	R
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R
PHASE 4	R	R	R	R	R	R	R	R	R	G/+G	G/+G	G
4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y
PRE EMPT 1	G	G	G	R	R	R	R	R	R	R	R	R
PRE EMPT 1 CHANGE	Y	Y	Y	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

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

TOD No.: AT782-29
SHA No.: BA563A/B52

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

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APPROVALS	REVISIONS
TEAM LEADER	D INSTALL OPTICOM 4/28/06 SHA: AT7825185
ASST. DIV. CHIEF	JA
DIVISION CHIEF	C SIGNAL 01/03 RECONSTRUCTION DUE TO GEOMETRIC IMPROVEMENTS BA3815172
OFFICE DIRECTOR	SWA
	B 12/95 ASBUILTS
	PRD

ORIGINAL ON FILE

PLOTTED: #DATETIME#
FILE: #FILE#

SHA — STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

MD 45 (YORK ROAD) AT WEST ROAD

SCALE 1" = 20' DATE CONTRACT NO.

DESIGNED BY BARRY KING — COUNTY BALTIMORE
DRAWN BY A. BUDNICHUK — LOGMILE 03004503.01
CHECKED BY — TIMS NO. H423
F.A.P. NO. — TOD NO.

TS NO. 3384 C | DRAWING NO. 9 OF 11 | SHEET NO. OF

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