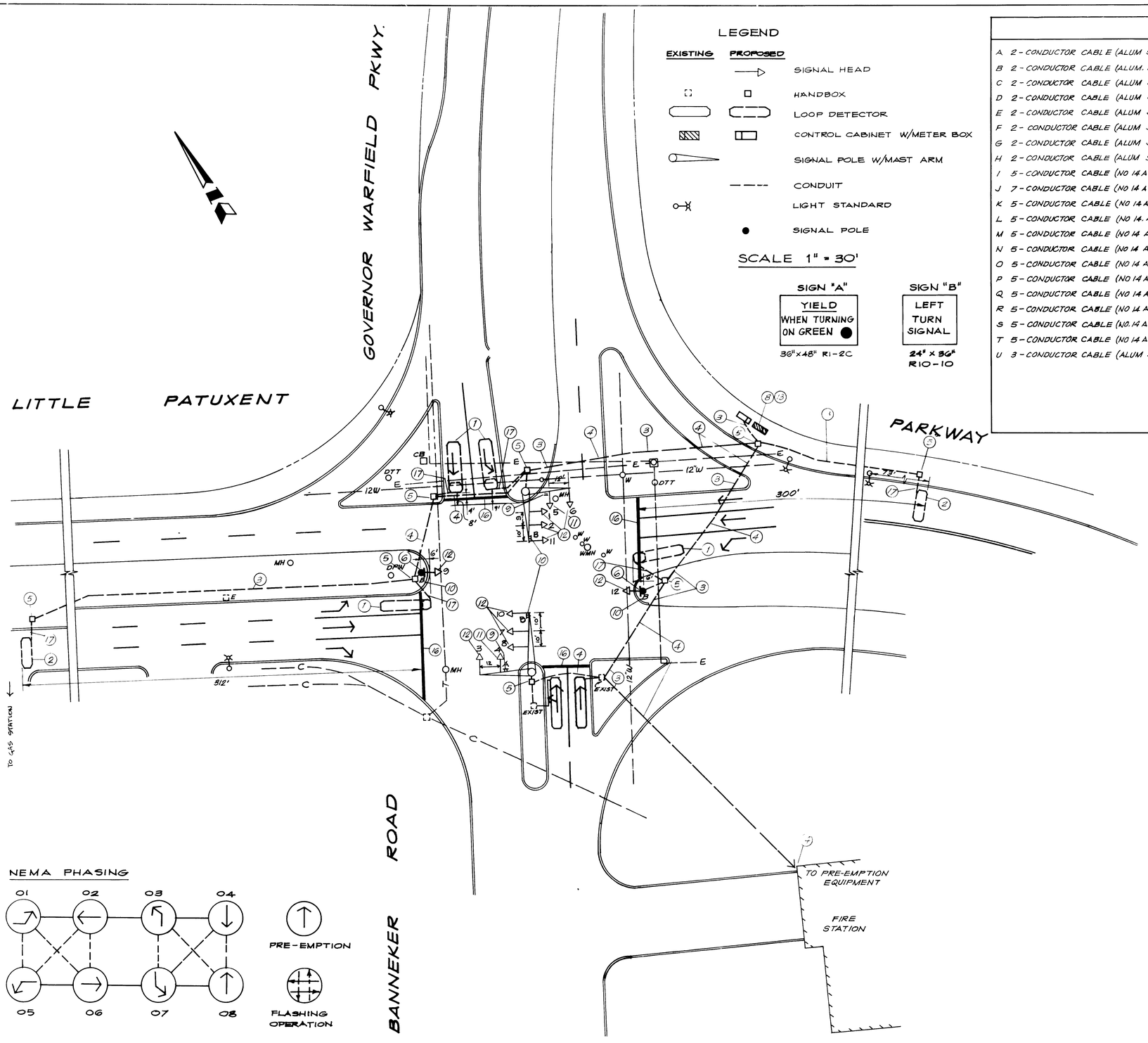


LEGEND

EXISTING	PROPOSED	
	→	SIGNAL HEAD
⊡	□	HANDBOX
▭	▭	LOOP DETECTOR
▨	▭	CONTROL CABINET W/METER BOX
		SIGNAL POLE W/MAST ARM
		CONDUIT
⊸	⊸	LIGHT STANDARD
●	●	SIGNAL POLE

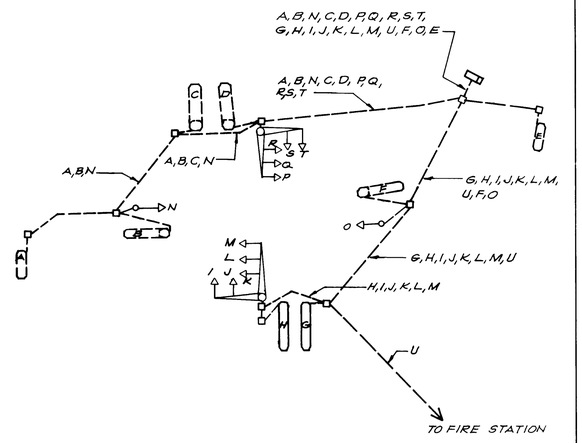
SCALE 1" = 30'

SIGN "A"
YIELD WHEN TURNING ON GREEN ●
36"x48" R1-2C

SIGN "B"
LEFT TURN SIGNAL
24" x 36" R10-10

WIRING DIAGRAM
(NOT TO SCALE)

A 2-CONDUCTOR CABLE (ALUM SHIELDED) - PROPOSED
B 2-CONDUCTOR CABLE (ALUM. SHIELDED) - PROPOSED
C 2-CONDUCTOR CABLE (ALUM SHIELDED) - PROPOSED
D 2-CONDUCTOR CABLE (ALUM SHIELDED) - PROPOSED
E 2-CONDUCTOR CABLE (ALUM SHIELDED) - PROPOSED
F 2-CONDUCTOR CABLE (ALUM SHIELDED) - PROPOSED
G 2-CONDUCTOR CABLE (ALUM SHIELDED) - EXISTING
H 2-CONDUCTOR CABLE (ALUM SHIELDED) - EXISTING
I 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
J 7-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
K 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
L 5-CONDUCTOR CABLE (NO 14. A W G) - PROPOSED
M 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
N 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
O 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
P 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
Q 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
R 5-CONDUCTOR CABLE (NO 14 A.W G) - PROPOSED
S 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
T 5-CONDUCTOR CABLE (NO 14 A W G) - PROPOSED
U 3-CONDUCTOR CABLE (ALUM SHIELDED) - PROPOSED



PHASE, SEQUENCE & TIMING DIAGRAM		TRAFFIC SIGNAL HEADS 1	2	3	4	5	6	7	8	9	10	11	12	MIN GREEN	PASSAGE	YELLOW	RED CLEARANCE	MAX I	MAX II	SECONDS PER ACTUATION	VEHICLE RECALL REDUCTION	TIME BEFORE REDUCTION	MIN GAP	RECALL	VEHICLE
	PHASE A	R	R	R	R	R	R	R	R	G	G	G	G	5	5			15	10					OFF	REQ LOCK
	PHASE A CLEAR	R	R	R	R	R	R	R	R	$\not G^1$	$\not G^1$	$\not G^2$	$\not G^2$			4									
	PHASE B	G	G	R	R	R	R	R	R	G	R	G	R	5	5			20	15					OFF	REQ LOCK
	PHASE B CLEAR	G	G	R	R	R	R	R	R	$\not G$	R	$\not G$	R			4									
	PHASE B ALT	R	R	R	R	R	R	G	G	R	G	R	G	5	5			20	15					OFF	REQ LOCK
	PHASE B ALT CLEAR	R	R	R	R	R	R	G	G	R	$\not G$	R	$\not G$			4									
	PHASE C	G	G	R	R	R	R	G	G	R	R	R	R	5	5			30	20	15	15	20	3.0	ON	LOCK
	PHASE C CLEAR	Y	Y	R	R	R	R	Y	Y	R	R	R	R			4									
	PHASE D	R	R	R	G	R	R	R	R	R	R	R	R	5	5			20	15					OFF	NON LOCK
	PHASE D CLEAR	R	R	R	$\not G^3$	R	R	R	R	R	R	R	R			4									
	PHASE E	R	R	R	R	G	G	R	R	R	R	R	R	5	5			20	15					OFF	NON LOCK
	PHASE E CLEAR	R	R	R	R	$\not G$	Y	R	R	R	R	R	R			4									
	PHASE E ALT	R	R	G	G	R	R	R	R	R	R	R	R	5	5			20	15					OFF	NON LOCK
	PHASE B ALT CLEAR	R	R	G	$\not G^4$	R	R	R	R	R	R	R	R			4									
	PHASE F	R	R	G	G	G	G	R	R	R	R	R	R	5	5			20	15					OFF	NON LOCK
	PHASE F CLEAR	R	R	Y	Y	Y	Y	R	R	R	R	R	R			4									
	FLASH	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R												
	PRE-EMPT/ CLEAR	R/R	R/R	R/R	R/R	G/Y	G/Y	R/R	R/R	R/R	R/R	R/R	R/R	30		4		30							

$\not G^1$ REMAINS G IF PHASE B FOLLOWS PHASE A
$\not G^2$ REMAINS G IF PHASE B ALT FOLLOWS PHASE A
$\not G^3$ REMAINS G IF PHASE E ALT FOLLOWS PHASE D
$\not G^4$ REMAINS G IF PHASE E FOLLOWS PHASE D

NEMA PHASING

PRE-EMPTION

FLASHING OPERATION

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE

CHIEF BUREAU OF ENGINEERING — DATE 2-18-87

CHIEF, ROADS, BRIDGES, STORM DRAINAGE DIVISION — DATE

ARI ENGINEERING
8150 Leesburg Pike Suite 503
Vienna, Virginia 22180
(703) 442-0202

DES PAP
DRN ACM
CHK RHP
DATE FEB 87

BY | NO | REVISION | DATE

TRAFFIC SIGNAL PLAN
LITTLE PATUXENT PARKWAY
AT GOV WARFIELD PARKWAY
TF 203

600 SCALE MAP NO ___ BLOCK NO ___

LITTLE PATUXENT PARKWAY INTERSECTION IMPROVEMENT
CAPITAL PROJECT NO T-7033

ELECTION DISTRICT NO 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 3 OF 4

746

I.PPB.ANN 2