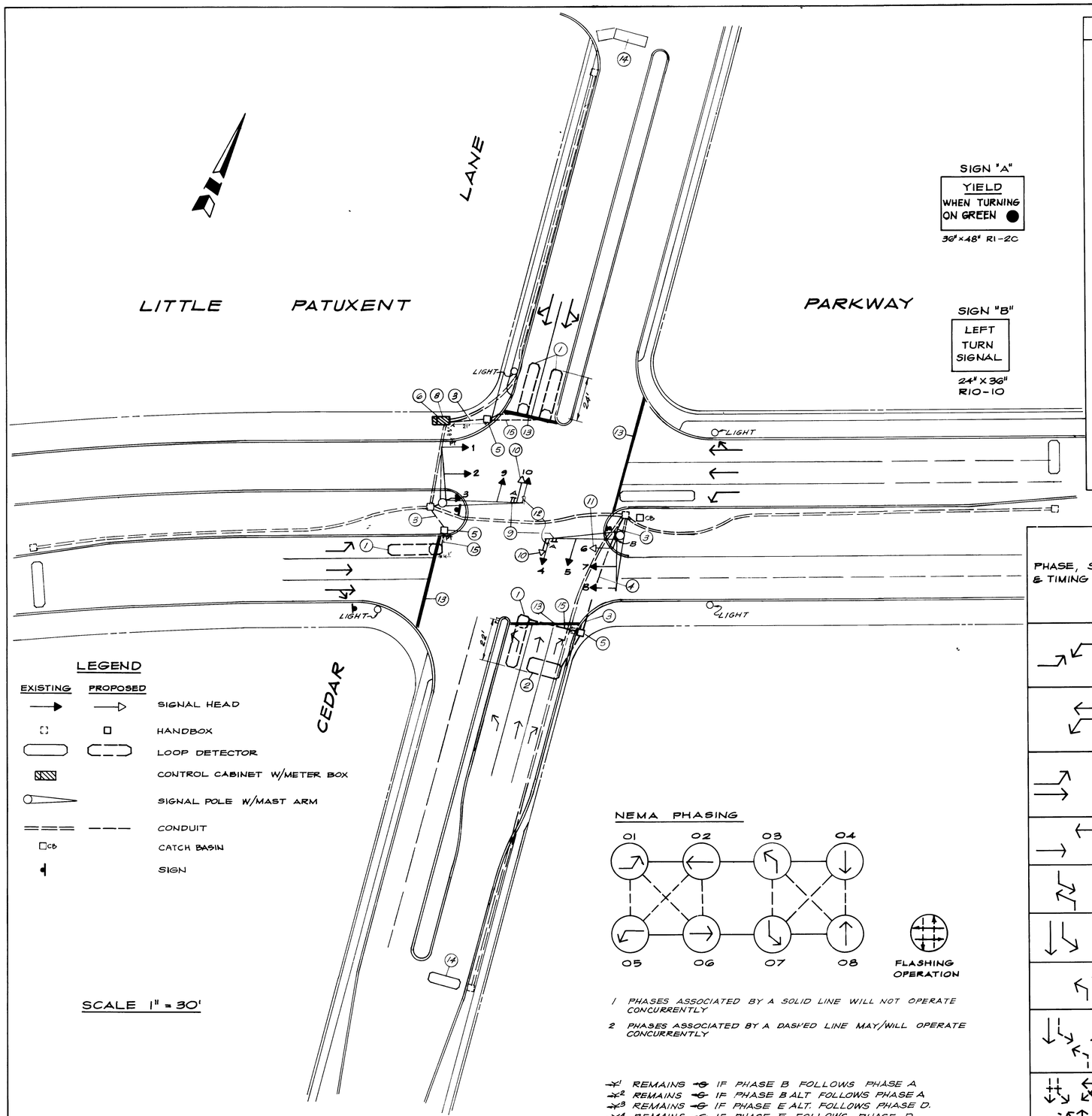


LEGEND

EXISTING	PROPOSED	
→	→	SIGNAL HEAD
▯	▯	HANDBOX
⬭	⬭	LOOP DETECTOR
▨		CONTROL CABINET W/METER BOX
○—		SIGNAL POLE W/MAST ARM
═══	———	CONDUIT
▯CB		CATCH BASIN
⚑		SIGN

SCALE 1" = 30'

NEMA PHASING

FLASHING OPERATION

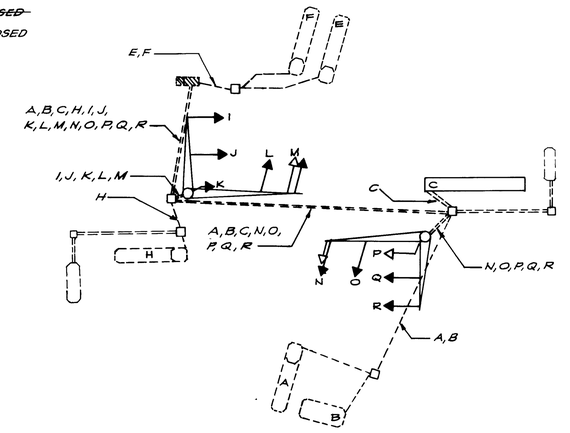
1 PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

2 PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY

~~Y~~[1] REMAINS ~~G~~ IF PHASE B FOLLOWS PHASE A
~~Y~~[2] REMAINS ~~G~~ IF PHASE B ALT. FOLLOWS PHASE A
~~Y~~[3] REMAINS ~~G~~ IF PHASE E ALT. FOLLOWS PHASE D.
~~Y~~[4] REMAINS ~~G~~ IF PHASE E FOLLOWS PHASE D

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) – EXISTING
~~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) – PROPOSED~~
H 2-CONDUCTOR CABLE (ALUM SHIELDED) – PROPOSED
I 5-CONDUCTOR CABLE (NO 14 AWG) – EXIST
J 5-CONDUCTOR CABLE (NO 14 A.W.G) – EXIST
K 5-CONDUCTOR CABLE (NO. 14 A.W.G) – EXIST
L 5-CONDUCTOR CABLE (NO 14 AWG) – EXIST
M 7-CONDUCTOR CABLE (NO. 14 A.W.G.) – PROP
N 7-CONDUCTOR CABLE (NO 14 A.W.G) – PROP
O 5-CONDUCTOR CABLE (NO 14 AWG) – EXIST
P 5-CONDUCTOR CABLE (NO 14 AWG) – PROP
Q 5-CONDUCTOR CABLE (NO 14 AWG) – EXIST
R 5-CONDUCTOR CABLE (NO 14 AWG) – EXIST



PHASE, SEQUENCE & TIMING DIAGRAM		TRAFFIC SIGNAL HEADS 1	2	3	4	5	6	7	8	9	10	MIN GREEN	PASSAGE	YELLOW	PED CLEARANCE	MAX I	MAX II	SECONDS PER ACTUATION	TIME TO REDUCTION	TIME BEFORE REDUCTION	MIN GAP	RECALL	MEMORY
	PHASE A	R	R	~~G~~	R	~~R~~	~~G~~	R	R	R	R	3	3			15	10					OFF	NON LOCK
	PHASE A CLEAR	R	R	~~Y~~[1]	R	~~R~~	~~Y~~[2]	R	R	R	R			4									
	PHASE B	G	G	~~G~~	R	R	R	R	R	R	R	3	3			30	20					OFF	NON LOCK
	PHASE B CLEAR	Y	Y	~~Y~~	R	R	R	R	R	R	R			4									
	PHASE B ALT	R	R	R	R	R	~~G~~	G	G	R	R	3	3			30	15					OFF	NON LOCK
	PHASE B ALT CLEAR	R	R	R	R	R	~~Y~~	Y	Y	R	R			4									
	PHASE C	G	G	R	R	R	R	G	G	R	R	7	3			30	20	1.5	15	20	3.0	ON	LOCK
	PHASE C CLEAR	Y	Y	R	R	R	R	Y	Y	R	R			4									
	PHASE D	R	R	R	~~G~~ R	R	R	R	R	R	~~G~~ R	3	3			15	10					OFF	NON LOCK
	PHASE D CLEAR	R	R	R	~~Y~~[3] R	R	R	R	R	R	~~Y~~[4] R			4									
	PHASE E	R	R	R	R	R	R	R	R	G	G G	3	3			15	10					OFF	NON LOCK
	PHASE E CLEAR	R	R	R	R	R	R	R	R	G	Y G			4									
	PHASE E ALT	R	R	R	~~G~~ G	G	R	R	R	R	R	3	3			15	10					OFF	NON LOCK
	PHASE E ALT CLEAR	R	R	R	~~Y~~ Y	G	R	R	R	R	R			4									
	PHASE F	R	R	R	G	G	R	R	R	G	G	3	3			30	25					OFF	NON LOCK
	PHASE F CLEAR	R	R	R	Y	Y	R	R	R	Y	Y			4									
	FLASH OPER	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R												

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 2-19-87

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 A C M
CHK R H P
DATE FEB 87

BY	NO	REVISION	DATE

TRAFFIC SIGNAL PLAN
LITTLE PATUXENT PARKWAY
AT CEDAR LANE
TF 227

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 2 OF 4

746

BRUNING 44 132 69150

CEDALPP3