SCALE 1" = 30'

PHASE AND SEQUENCE DIAGRAM		SIGNAL HEADS 1	2	3	4	5	6	7	8	9	10	11	12
	PHASE 1+5	G	G	R	R	G	G	R	R	R	R	R	R
	PHASE CHANGE	Y	Y	R	R	Y	Y	R	R	R	R	R	R
	PHASE 2+5	G	G	G	G	R	R	R	R	R	R	R	R
	PHASE 5 CHANGE	Y	Y	G	G	R	R	R	R	R	R	R	R
	PHASE 1+5	R	R	R	R	G	G	G	G	R	R	R	R
	PHASE 1 CHANGE	R	R	R	R	Y	Y	G	G	R	R	R	R
	PHASE 2+6	R	R	G	G	R	R	G	G	R	R	R	R
	PHASE 2+6 CHANGE	R	R	Y	Y	R	R	Y	Y	R	R	R	R
	PHASE 3	R	R	R	R	R	R	R	R	G	G	R	R
	PHASE 3 CHANGE	R	R	R	R	R	R	R	R	Y	Y	R	R
	PHASE 4	R	R	R	R	R	R	R	R	R	R	G	G
	PHASE 4 CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y
	FLASH OPER.	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

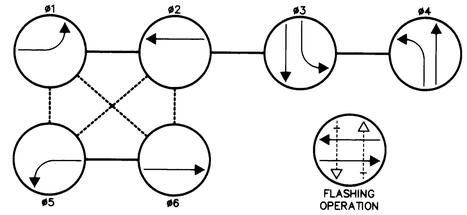
SIGNS

13 — R 3-5(L) 30"x 36"

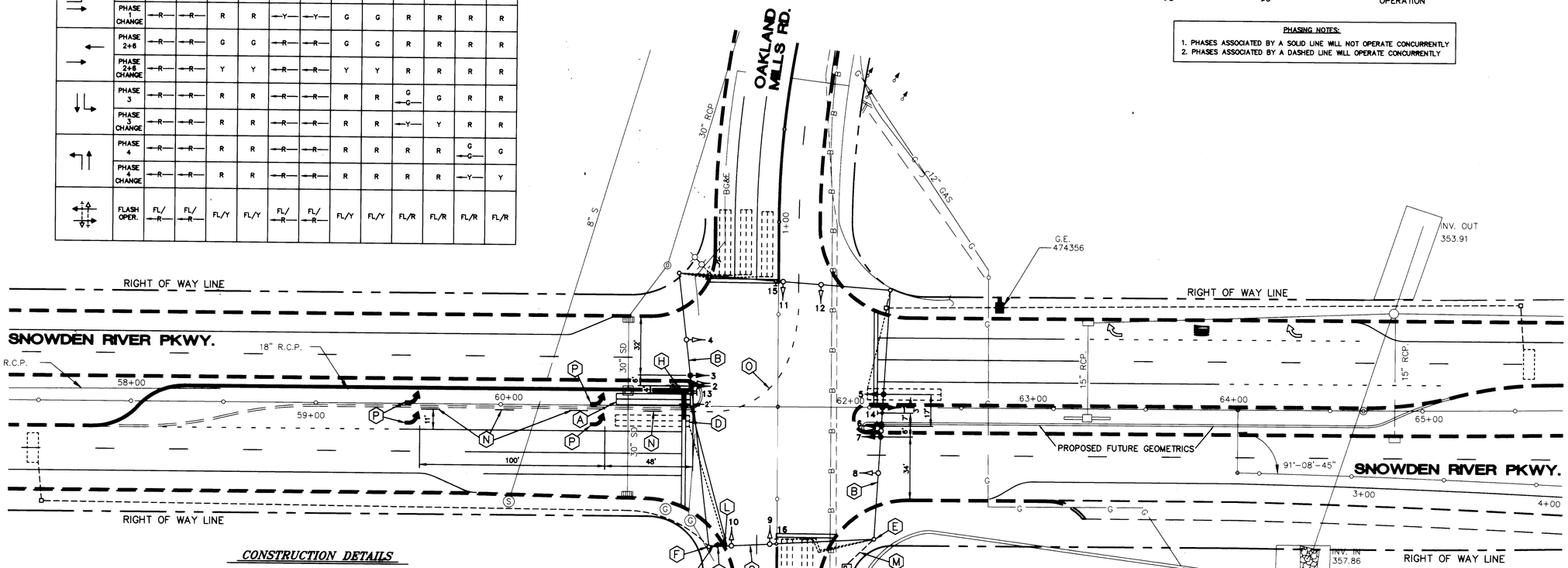
14 — R 3-5b 60" x 36"

15,16 — R 10-12 36"x 42"

NEMA PHASING



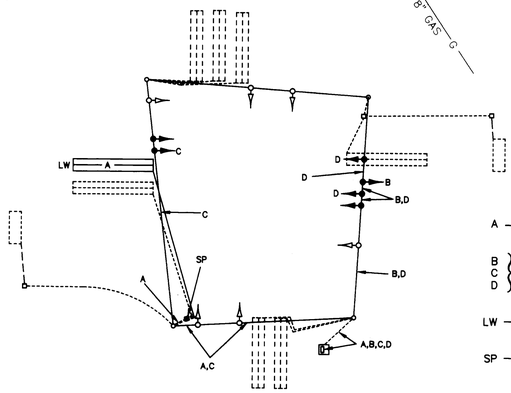
PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. INSTALL 6'x 40' QUADRUPOLE TYPE VEHICHLE LOOP DETECTOR (2-4-2 TURNS).
B. USE EXISTING SPAN WIRE. REMOVE EXISTING 5-SECTION SIGNAL HEAD AND R10-12 SIGN. INSTALL NEW SIGNAL HEADS AND SIGNS AS SHOWN.
C. USE EXISTING SPAN WIRE.
D. EXISTING LOOP DETECTOR TO REMAIN.
E. USE EXISTING STEEL STRAIN POLE.
F. USE EXISTING STEEL STRAIN POLE AND INSTALL 2" ELBOW. DISCONNECT EXISTING LOOP DETECTOR AND RUN EXISTING 2-CONDUCTOR ALUMINUM SHIELDED CABLE IN NEW CONDUIT.
G. INSTALL HANDHOLE. SPLICE EXISTING LOOPWIRE TO EXISTING ALUMINUM SHIELDED CABLE.
H. EXTEND EXISTING STOP LINE.
J. USE EXISTING CABINET AND CONTROLLER. MODIFY PHASING AND INSTALL NEW AMPLIFIER.
K. INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 40) - TRENCHED.
L. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALIC CONDUIT FOR LOOP DETECTOR LEAD-IN. EXISTING 1" CONDUIT TO REMAIN.
M. USE EXISTING CONDUIT.
N. INSTALL 4" WHITE PAVEMENT MARKING - 10' SEGMENT-30' GAP.
O. INSTALL 4" WHITE PAVEMENT MARKING - 3' SEGMENT-6' GAP.
P. INSTALL WHITE PAVEMNET MARKING SYMBOL - LEFT ARROW.

WIRING DIAGRAMG



A — 2-Conductor Cable (Aluminum Shielded)
B, C, D } 5-Conductor Cable (No.14 A.W.G.)
LW — LoopWire (No.14 A.W.G.) In Flexible Tubing
SP — Splice New LoopWire To Existing Aluminum Shielded Cable

LEGEND

PROPOSED	EXISTING
MAST ARM	
STEEL POLE	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
SIGN	
STREET LIGHT	
HANDBOX	
CONDUIT	
LOOP DETECTOR	
CONTROLLER	
CONTROLLER WITH PAD	
WOOD POLE	
FIRE HYDRANT	
MANHOLE	
W.V. WATER VALVE	W.V.
G.V. GAS VALVE	G.V.

UNDERGROUND UTILITIES

ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS — DATE
CHIEF, TRAFFIC ENGINEERING DIVISION — DATE 10/20/94
CHIEF, BUREAU OF ENGINEERING — DATE
CHIEF, TRAFFIC ENGINEERING — DATE

A/E GROUP, INC.
CONSULTING ENGINEERS • PLANNERS
11409 CRONHILL DRIVE
OWINGS MILLS, MD. 21117
(410) 363-1908

DES: JDM
DRN: D.R.B. (CADD)
CHK: JDM
DATE: 8/94

BY	NO.	REVISION	DATE

600' SCALE MAP NO. _____ DATE: _____

PLAN AND DETAILS
SNOWDEN RIVER PARKWAY @ OAKLAND MILLS RD.
TRAFFIC CONTROL SIGNAL MODIFICATION

SCALE AS SHOWN

SHEET 2 OF 2

746

SNOWOAK 3