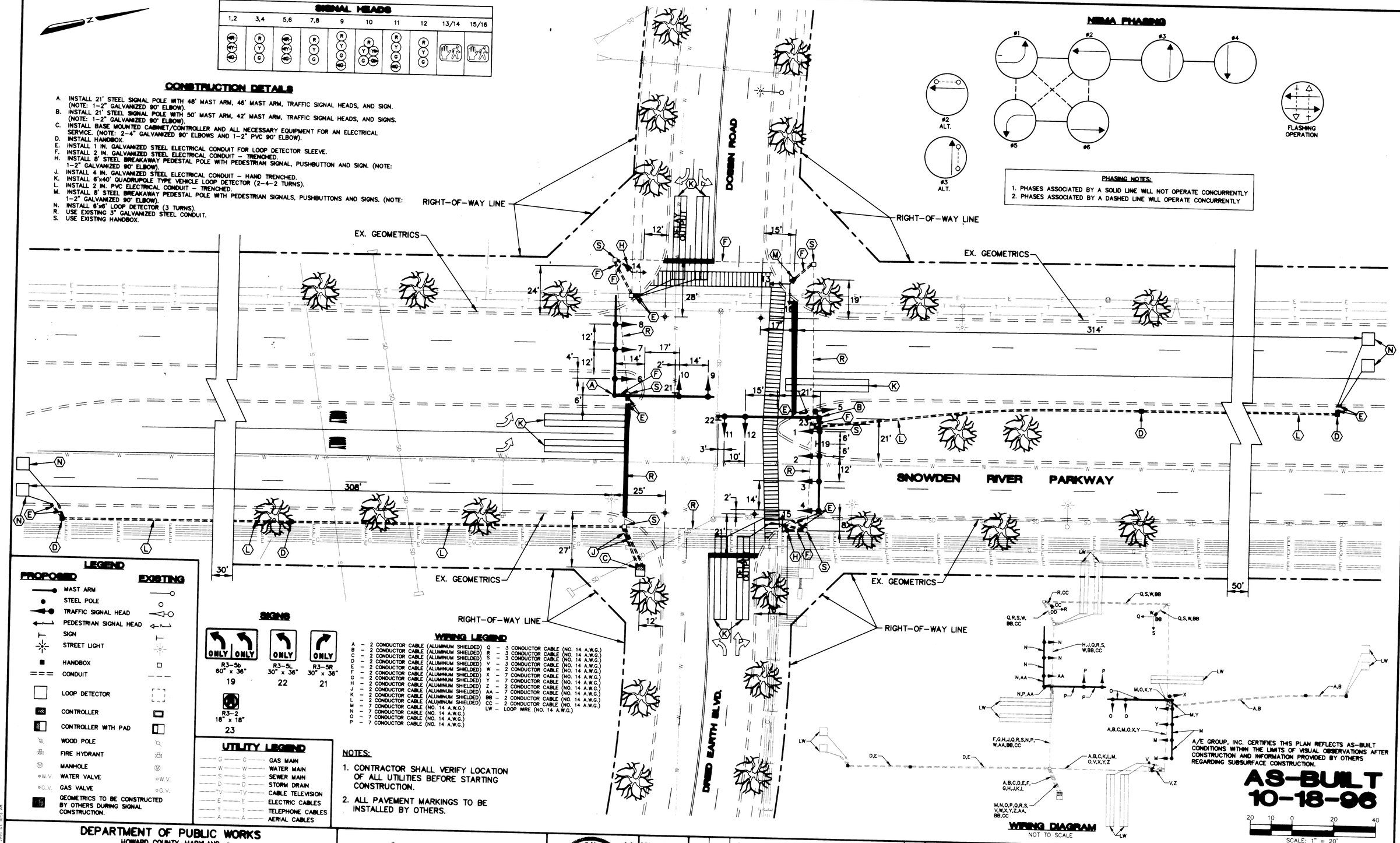
SIGNAL HEADS									
1,2	3,4	5,6	7,8	9	10	11	12	13/14	15/16

CONSTRUCTION DETAILS

A. INSTALL 21' STEEL SIGNAL POLE WITH 48' MAST ARM, 46' MAST ARM, TRAFFIC SIGNAL HEADS, AND SIGN. (NOTE: 1-2" GALVANIZED 90° ELBOW).
B. INSTALL 21' STEEL SIGNAL POLE WITH 50' MAST ARM, 42' MAST ARM, TRAFFIC SIGNAL HEADS, AND SIGNS. (NOTE: 1-2" GALVANIZED 90° ELBOW).
C. INSTALL BASE MOUNTED CABINET/CONTROLLER AND ALL NECESSARY EQUIPMENT FOR AN ELECTRICAL SERVICE. (NOTE: 2-4" GALVANIZED 90° ELBOWS AND 1-2" PVC 90° ELBOW).
D. INSTALL HANDBOX.
E. INSTALL 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT FOR LOOP DETECTOR SLEEVE.
F. INSTALL 2 IN. GALVANIZED STEEL ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 8' STEEL BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. (NOTE: 1-2" GALVANIZED 90° ELBOW).
J. INSTALL 4 IN. GALVANIZED STEEL ELECTRICAL CONDUIT - HAND TRENCHED.
K. INSTALL 6'x40' QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (2-4-2 TURNS).
L. INSTALL 2 IN. PVC ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 8' STEEL BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNALS, PUSHBUTTONS AND SIGNS. (NOTE: 1-2" GALVANIZED 90° ELBOW).
N. INSTALL 6'x6' LOOP DETECTOR (3 TURNS).
R. USE EXISTING 3" GALVANIZED STEEL CONDUIT.
S. USE EXISTING HANDBOX.



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

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.
GEOMETRICS TO BE CONSTRUCTED BY OTHERS DURING SIGNAL CONSTRUCTION.	

SIGNS

R3-5b	R3-5L	R3-5R	R3-2
60" x 36"	30" x 36"	30" x 36"	18" x 18"
19	22	21	23

WIRING LEGEND

A	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	Q	3 CONDUCTOR CABLE (NO. 14 A.W.G.)
B	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	R	3 CONDUCTOR CABLE (NO. 14 A.W.G.)
C	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	S	3 CONDUCTOR CABLE (NO. 14 A.W.G.)
D	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	V	3 CONDUCTOR CABLE (NO. 14 A.W.G.)
E	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	W	2 CONDUCTOR CABLE (NO. 14 A.W.G.)
F	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	X	7 CONDUCTOR CABLE (NO. 14 A.W.G.)
G	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	Y	7 CONDUCTOR CABLE (NO. 14 A.W.G.)
H	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	Z	2 CONDUCTOR CABLE (NO. 14 A.W.G.)
J	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	AA	7 CONDUCTOR CABLE (NO. 14 A.W.G.)
K	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	BB	2 CONDUCTOR CABLE (NO. 14 A.W.G.)
L	2 CONDUCTOR CABLE (ALUMINUM SHIELDED)	CC	2 CONDUCTOR CABLE (NO. 14 A.W.G.)
M	7 CONDUCTOR CABLE (NO. 14 A.W.G.)	LW	LOOP WIRE (NO. 14 A.W.G.)
N	7 CONDUCTOR CABLE (NO. 14 A.W.G.)		
O	7 CONDUCTOR CABLE (NO. 14 A.W.G.)		
P	7 CONDUCTOR CABLE (NO. 14 A.W.G.)		

UTILITY LEGEND

G G	GAS MAIN
W W	WATER MAIN
S S	SEWER MAIN
D D	STORM DRAIN
TV TV	CABLE TELEVISION
E E	ELECTRIC CABLES
T T	TELEPHONE CABLES
A A	AERIAL CABLES

NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION.
2. ALL PAVEMENT MARKINGS TO BE INSTALLED BY OTHERS.

WIRING DIAGRAM
NOT TO SCALE

A/E GROUP, INC. CERTIFIES THIS PLAN REFLECTS AS-BUILT CONDITIONS WITHIN THE LIMITS OF VISUAL OBSERVATIONS AFTER CONSTRUCTION AND INFORMATION PROVIDED BY OTHERS REGARDING SUBSURFACE CONSTRUCTION.

AS-BUILT 10-18-96

SCALE: 1" = 20'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS — DATE 10/30/96
CHIEF, TRAFFIC ENGINEERING DIVISION — DATE 10/22/96
CHIEF, BUREAU OF ENGINEERING — DATE 10/22/96
CHIEF, BUREAU OF HIGHWAYS — DATE 10-18-96

A/E GROUP, INC.
ENGINEERS • PLANNERS
11409 Cronhill Drive
Owings Mills, Maryland 21117
A/E Job No. 96-309-002

DES: J.F.L.
DRN: J.N.W.
CHK: E.G.S.
DATE: 5/96

BY	NO.	REVISION	DATE

CAPITAL PROJECT NO.
T-7047MM
600' SCALE MAP NO. _____ DATE: _____

PLAN
SNOWDEN RIVER PARKWAY AT DOBBIN ROAD AND DRIED EARTH BOULEVARD
TRAFFIC CONTROL SIGNAL DESIGN

SCALE AS SHOWN
SHEET 1 OF 1

746

SNOWDOBB