



PHASE AND SEQUENCE DIAGRAM	SIGNAL HEADS					
	1-2	3-4	6-5	7-8	9-10	11-12
PHASE 2+6	G	G	R	R	DW	DW
PHASE 2+6 CHANGE	Y	Y	R	R	DW	DW
PHASE 2+6 ALT.	G	G	R	R	WK	DW
PED. CLEAR	G	G	R	R	FL/DW	DW
PHASE 2+6 ALT CHANGE	Y	Y	R	R	DW	DW
PHASE 4+8	R	R	G	G	DW	DW
PHASE 4+8 CHANGE	R	R	Y	Y	DW	DW
PHASE 4+8 ALT.	R	R	G	G	DW	WK
PED. CLEAR	R	R	G	G	DW	FL/DW
PHASE 4+8 ALT CHANGE	R	R	Y	Y	DW	DW
FLASH	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK

LEGEND	
PROPOSED	EXISTING

- CONSTRUCTION DETAILS**
- INSTALL STEEL POLE WITH TWIN 36" AND 40" MAST ARMS, SIGNAL HEADS, STREET LIGHTING EXTENDER 14' STREET LIGHTING ARM AND 250 WATT HPS LUMINAIRE WITH PHOTOELECTRIC CELL. (NOTE: 1-2" GALVANIZED, 90° ELBOW)
 - INSTALL STEEL POLE WITH TWIN 40" AND 46" MAST ARMS, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS, SIGNS, STREET LIGHTING EXTENDER 12' STREET LIGHTING ARM AND 250 WATT HPS LUMINAIRE WITH PHOTOELECTRIC CELL. (NOTE: 1-2" GALVANIZED, 90° ELBOW)
 - INSTALL 8' BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN (NOTE: 1-2" GALVANIZED, 90° ELBOW)
 - INSTALL 8' BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN (NOTE: 1-2" GALVANIZED, 90° ELBOW)
 - INSTALL 6" x 6" LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-TURNS)
 - INSTALL 6" x 40" LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (2-4-2) QUADRUPOLE TYPE
 - INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 1-1" PVC AND 2-4" GALVANIZED, 90° ELBOWS)
 - INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
 - INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
 - INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED)
 - INSTALL 4" GALVANIZED STEEL ELECTRICAL CONDUIT TRENCHED. REPLACE SIDEWALK AS NEEDED.
 - INSTALL HANDBOX
 - INSTALL 4" GALVANIZED STEEL ELECTRICAL CONDUIT (SLOTTED)
 - INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (SLOTTED)
 - PROPOSED POWER SUPPLY (BY B.G.&E.)
 - INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED WITH 30" OF COVER) FOR POWER SUPPLY. (NOTE: THIS WILL BE INSTALLED IN THE SAME SLOT AS DETAIL 'O' AND SHALL EXTEND FAR ENOUGH FOR THE POWER COMPANY TO HAVE ACCESS PAST THE CURB LINE)
 - INSTALL 6"x35" LOOP DETECTOR (2-4-2)
 - USE EXISTING HANDBOX

SPECIAL NOTE

DUE TO UNDERGROUND UTILITIES, EXTREME CARE MUST BE TAKEN DURING THE INSTALLATION OF POLES "B" AND "D" AND ALL OTHER SIGNAL EQUIPMENT. ANY RELOCATION OF THIS EQUIPMENT NECESSITATED BY THE LOCATION OF UTILITIES SHALL BE COORDINATED WITH MR. EDWARD WALTER AT (401)-313-2430.

***CONVERSION TABLE**

FEET	METERS
3'	.9M
6'	1.8M
8'	2.4M
10'	3.0M
11'	3.4M
12'	3.7M
13'	4.0M
22'	6.7M

UNDERGROUND UTILITIES

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

740

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James P. Chew 3/31/94
DEPARTMENT OF PUBLIC WORKS DATE

Robert J. Sporn 3/30/94
CHIEF, BUREAU OF ENGINEERING DATE

C. Edward Walter 3/30/94
CHIEF, TRAFFIC ENGINEERING DIVISION DATE

A/E GROUP, INC.
CONSULTING ENGINEERS PLANNERS
11409 CRONHILL DRIVE
OWINGS MILLS, MD. 21117
301-363-1908

15061
STATE OF MARYLAND
DEPARTMENT OF PUBLIC WORKS
TRAFFIC SIGNAL PLAN

DES: TMZ/JDM	
DRN: JNW/CCADD	
CHK: T.JH/JDM	
DATE: 3-10-94	
BY: NO.	
REVISION	
DATE	

CAPITAL PROJECT
T-7064 DD
600' SCALE MAP NO. _____ DATE: _____

TRAFFIC SIGNAL PLAN
HICKORY RIDGE ROAD • SUNNY SPRING ROAD
SCALE AS SHOWN
SHEET 1 OF 1

HICKSUNN