BORDER REV: DATE: June 1, 2004

MD 26 IS ASSUMMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

17.18

Marriottsville Road

D3-2
DUAL FACED
VAR.x 16"

PROPOSED BLACK FACED SIGNAL HEADS

5,7 6,8

R Y G ◄G 12" 12"

EXISTING SIGNAL HEADS

1-4 ~~5-8~~ 9-16

R Y G 12" ~~R Y G~~ 8" 12"

REMOVE EXISTNG SIGNAL HEADS NUMBERED 5-8

A ■ VIDEO DETECTOR CAMERA

DETECTOR ZONE

PHASE CHART

	1	2	3	4	5	6	7	8	9,10 11,12	13, 14, 15	
Phase 2 & 6	G	G	G	G	R	R	R	R	WK	DW	DW
Ped. Clear	G	G	G	G	R	R	R	R	FL/DW	DW	DW
2 & 6 Change	G	G	G	G	R	R	R	R	DW	DW	DW
Phase 3	Y	Y	Y	Y	R	R	G ◄G-	G	DW	DW	DW
3 Change	R	R	R	R	R	R	Y	Y	DW	DW	DW
Phase 4	R	R	R	R	G ◄G-	G	R	R	DW	DW	DW
4 Change	R	R	R	R	Y	Y	R	R	DW	DW	DW
Phase 3 Alt.	R	R	R	R	R	R	G ◄G-	G	DW	WK	DW
Ped. Clear	R	R	R	R	R	R	G ◄G-	G	DW	FL/DW	DW
3 Alt. Change	R	R	R	R	R	R	Y	Y	DW	DW	DW
4 Alt.	R	R	R	R	G ◄G-	G	R	R	DW	DW	WK
Ped Clear	R	R	R	R	G ◄G-	G	R	R	DW	DW	FL/DW
4 Alt. Change	R	R	R	R	Y	Y	R	R	DW	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK

PROPOSED NEMA PHASING

02 03 04

06 03 ALT 04 ALT

FLASHING OPERATION

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

PROJECT DESCRIPTION

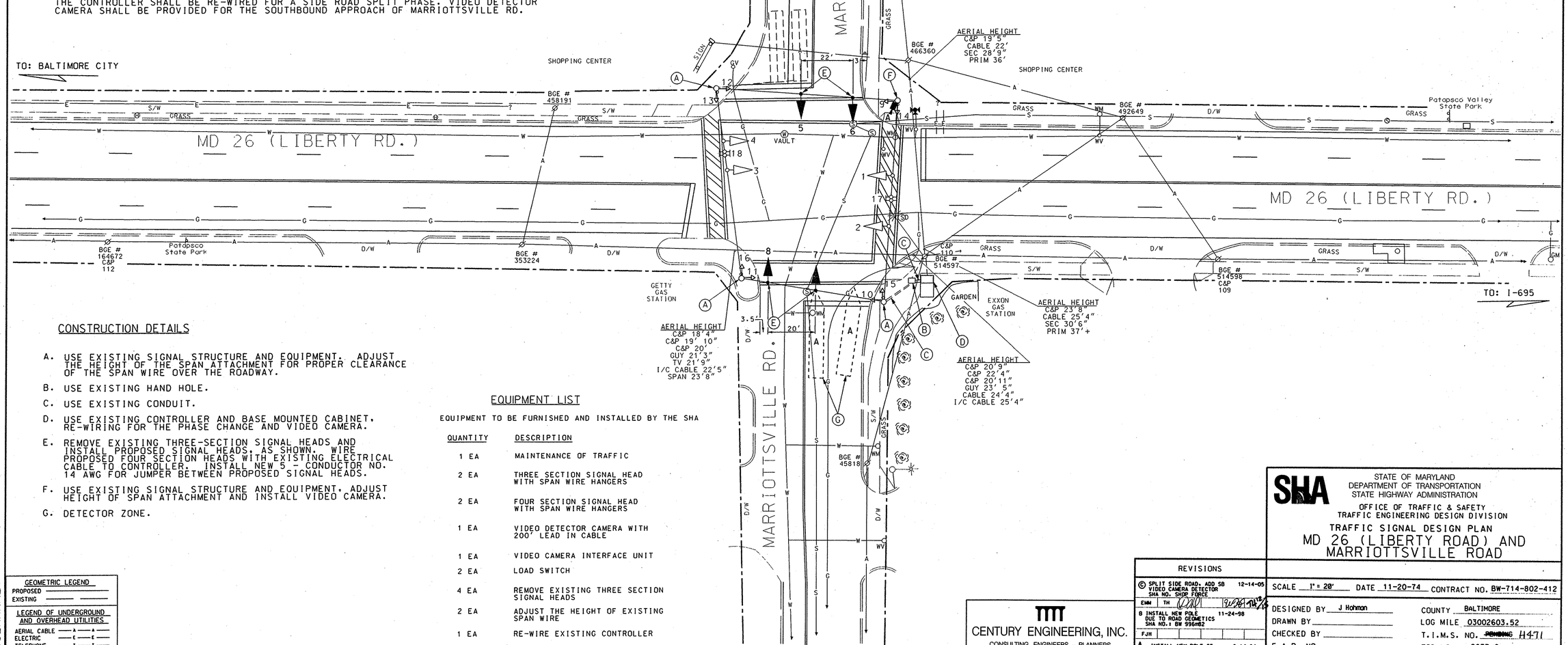
I. GENERAL:

THIS PROJECT INVOLVES A PHASE CHANGE ON MARRIOTTSVILLE ROAD AT MD 26, IN BALTIMORE COUNTY. MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE EXISTING BASE MOUNTED CABINET AND NEMA CONTROLLER SHALL BE UITILIZED. THE INTERSECTION OPERATES WITH THE MD 26 APPROACHES RUNNING CONCURRENTLY. THE EXISTING CONCURRENT PEDESTRIAN MOVEMENT TO CROSS BOTH LEGS OF MARRIOTTSVILLE ROAD AND THE PUSH BUTTON ACTUATED PEDESTRIAN MOVEMENT TO CROSS BOTH LEGS OF MD 26 SHALL BE MAINTAINED.

THE CONTROLLER SHALL BE RE-WIRED FOR A SIDE ROAD SPLIT PHASE. VIDEO DETECTOR CAMERA SHALL BE PROVIDED FOR THE SOUTHBOUND APPROACH OF MARRIOTTSVILLE RD.



CONSTRUCTION DETAILS

A. USE EXISTING SIGNAL STRUCTURE AND EQUIPMENT. ADJUST THE HEIGHT OF THE SPAN ATTACHMENT FOR PROPER CLEARANCE OF THE SPAN WIRE OVER THE ROADWAY.

B. USE EXISTING HAND HOLE.

C. USE EXISTING CONDUIT.

D. USE EXISTING CONTROLLER AND BASE MOUNTED CABINET. RE-WIRING FOR THE PHASE CHANGE AND VIDEO CAMERA.

E. REMOVE EXISTING THREE-SECTION SIGNAL HEADS AND INSTALL PROPOSED SIGNAL HEADS, AS SHOWN. WIRE PROPOSED FOUR SECTION HEADS WITH EXISTING ELECTRICAL CABLE TO CONTROLLER. INSTALL NEW 5 - CONDUCTOR NO. 14 AWG FOR JUMPER BETWEEN PROPOSED SIGNAL HEADS.

F. USE EXISTING SIGNAL STRUCTURE AND EQUIPMENT. ADJUST HEIGHT OF SPAN ATTACHMENT AND INSTALL VIDEO CAMERA.

G. DETECTOR ZONE.

EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SHA

QUANTITY	DESCRIPTION
1 EA	MAINTENANCE OF TRAFFIC
2 EA	THREE SECTION SIGNAL HEAD WITH SPAN WIRE HANGERS
2 EA	FOUR SECTION SIGNAL HEAD WITH SPAN WIRE HANGERS
1 EA	VIDEO DETECTOR CAMERA WITH 200' LEAD IN CABLE
1 EA	VIDEO CAMERA INTERFACE UNIT
2 EA	LOAD SWITCH
4 EA	REMOVE EXISTING THREE SECTION SIGNAL HEADS
2 EA	ADJUST THE HEIGHT OF EXISTING SPAN WIRE
1 EA	RE-WIRE EXISTING CONTROLLER
60 LF	5-CONDUCTOR NO. 14 AWG ELECTRICAL CABLE

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

BY: $USERNAME$

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204
REVISION 'C' 25003.24

REVISIONS

C	SPLIT SIDE ROAD. ADD SB VIDEO CAMERA DETECTOR SHA NO. SHOP FORCE	12-14-05	
EMM	TH		
B	INSTALL NEW POLE DUE TO ROAD GEOMETICS SHA NO.: BW 996mB2	11-24-98	
FJH			
A	INSTALL NEW POLE SE QUADRANT DUE TO GEO'S SHA NO.:	9-14-94	
T/C	SR	DAZ	ETP

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL DESIGN PLAN
MD 26 (LIBERTY ROAD) AND MARRIOTTSVILLE ROAD

SCALE 1" = 20' DATE 11-20-74 CONTRACT NO. BW-714-802-412

DESIGNED BY J Hohman
DRAWN BY
CHECKED BY
F.A.P. NO.
COUNTY BALTIMORE
LOG MILE 03002603.52
T.I.M.S. NO. ~~PENDING~~ H471
TOD NO. 2673-C

SHEET NO. 1 OF 1