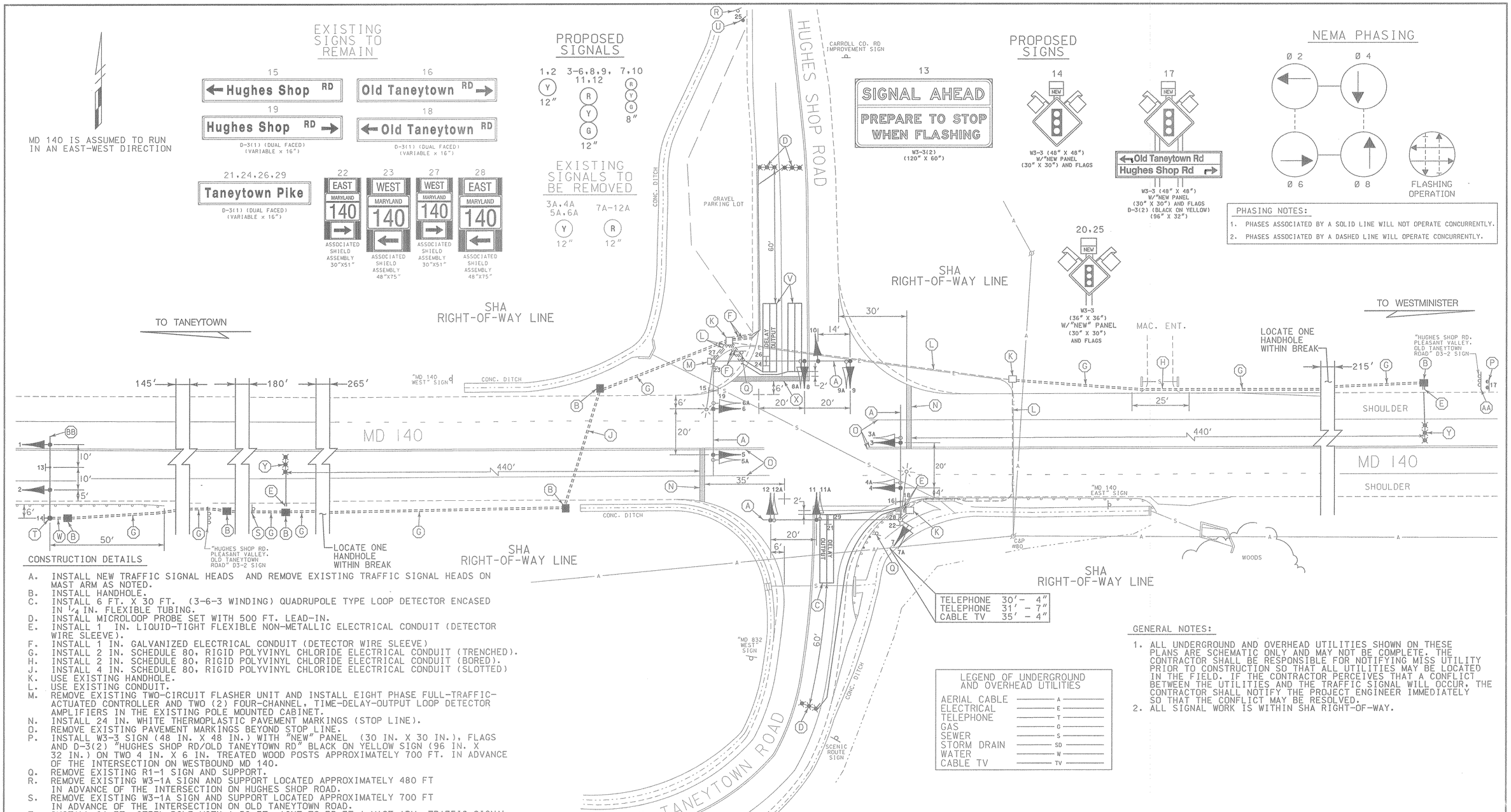

CONSTRUCTION DETAILS

A. INSTALL NEW TRAFFIC SIGNAL HEADS AND REMOVE EXISTING TRAFFIC SIGNAL HEADS ON MAST ARM AS NOTED.
B. INSTALL HANDHOLE.
C. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
D. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
E. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
F. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
G. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
J. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
K. USE EXISTING HANDHOLE.
L. USE EXISTING CONDUIT.
M. REMOVE EXISTING TWO-CIRCUIT FLASHER UNIT AND INSTALL EIGHT PHASE FULL-TRAFFIC-ACTUATED CONTROLLER AND TWO (2) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS IN THE EXISTING POLE MOUNTED CABINET.
N. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
O. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
P. INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.), FLAGS AND D-3(2) "HUGHES SHOP RD/OLD TANEYTOWN RD" BLACK ON YELLOW SIGN (96 IN. X 32 IN.) ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS APPROXIMATELY 700 FT. IN ADVANCE OF THE INTERSECTION ON WESTBOUND MD 140.
Q. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
R. REMOVE EXISTING W3-1A SIGN AND SUPPORT LOCATED APPROXIMATELY 480 FT IN ADVANCE OF THE INTERSECTION ON HUGHES SHOP ROAD.
S. REMOVE EXISTING W3-1A SIGN AND SUPPORT LOCATED APPROXIMATELY 700 FT IN ADVANCE OF THE INTERSECTION ON OLD TANEYTOWN ROAD.
T. INSTALL 21 FT. STEEL POLE WITH A 52 FT. (CUT TO 35 FT.) MAST ARM, TRAFFIC SIGNAL HEADS AND SIGNS (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
U. INSTALL W3-3 SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 500 FT. IN ADVANCE OF THE INTERSECTION ON HUGHES SHOP ROAD.
V. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 3/4 IN. SCHEDULE 80 PVC CONDUIT.
W. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
X. REMOVE EXISTING AND INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
Y. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
Z. INSTALL W3-3 SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 700 FT. IN ADVANCE OF THE INTERSECTION ON OLD TANEYTOWN ROAD.
AA. REMOVE EXISTING D-3(2) "HUGHES SHOP RD/OLD TANEYTOWN RD" WHITE ON GREEN SIGN AND SUPPORT.
BB. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

GENERAL NOTES:

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. ALL SIGNAL WORK IS WITHIN SHA RIGHT-OF-WAY.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS			
A	CONVERT EXISTING ICB TO FULL TRAFFIC CONTROL SIGNAL	12/99	NML

APPROVALS
ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN
MD 140 AND HUGHES SHOP ROAD

DRAWN BY:	S.BLOSS	F.A.P. NO.	STPG-000S(495)E	TS NO.	SHEET NO.
CHECKED BY:	N.LEARY	S.H.A. NO.	CL845A61/B51	TS-3645A	
SCALE:	1" = 20'	COUNTY:	CARROLL	T.I.M.S. NO.	
DATE:	3-27-97	LOG MILE:	06014012.34	D-513	1 OF 2

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