F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

U.S. 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNALS	EXISTING SIGNALS TO REMAIN		EXISTING SIGNAL TO BE RELOCATED	EXISTING SIGNALS TO BE REMOVED
9,11	1,2,5,6	3,4,7,8,10	12	9a,12a
R, Y, G, ←G	←R, ←Y, ←G	R, Y, G	R, Y, G	R, Y, G
12"	12"	12"	12"	12"

EXISTING SIGNS

13-16: Billingsley Rd — D3-2, VARIABLE x 16" (DUAL FACE)

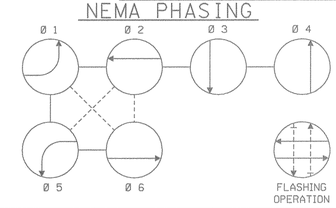
17: SOUTH 301 → — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

18: NORTH 301 ← — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

19: NORTH 301 → — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

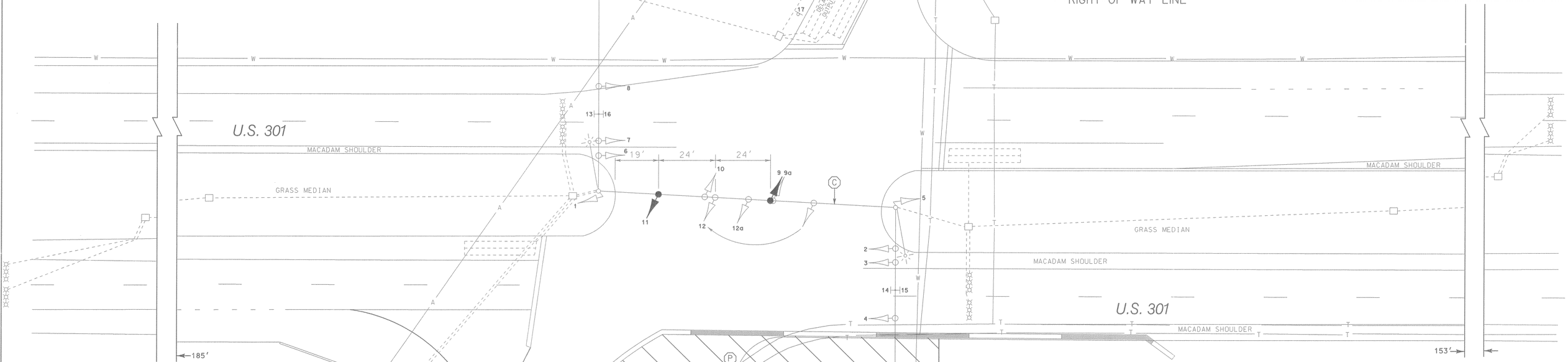
20: SOUTH 301 ← — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

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.



NOTES:

1. ALL SIGNAL EQUIPMENT AND WORK SHALL CONFORM TO MARYLAND STATE HIGHWAY ADMINISTRATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS" 1993.
1. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO PAVEMENT MARKINGS.

CONSTRUCTION DETAILS

A. INSTALL HANDHOLE.
B. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
C. INSTALL NEW SIGNAL HEADS, REMOVE EXISTING SIGNAL HEADS AND RELOCATE SIGNAL HEAD, AS NOTED.
D. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
E. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
F. INSTALL 6 IN. YELLOW PERMANENT PREFORMED MARKING TAPE.
G. INSTALL 24 IN. WHITE PERMANENT PREFORMED MARKING TAPE (STOP LINE).
H. INSTALL 2 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
I. REMOVE HANDHOLE.
J. USE EXISTING HANDHOLE; AND PULL BACK AND COIL 2-CONDUCTOR ELECTRICAL CABLES (ALUMINUM SHIELDED) FOR USE DURING FINAL STAGE.
K. USE EXISTING HANDHOLE.
L. INSTALL 6 IN. WHITE PERMANENT PREFORMED MARKING TAPE.
M. USE EXISTING CONTROLLER.
N. USE EXISTING CONDUIT.
O. ABANDON EXISTING CONDUIT.
P. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR WIRE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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

TEMPORARY TRAFFIC SIGNAL STAGE 2

REVISIONS	APPROVALS	REVISIONS
(B) TEMPORARY TRAFFIC SIGNAL - STAGE 2 3/97	ASSISTANT DIVISION CHIEF	
NML	ASST. DISTRICT ENGINEER, TRAFFIC	
(A) INSTALL E/P LEFT TURN FOR N.B. AND S.B. U.S. 301 6/94	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
MEL	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

PGM #94-123

LOG MILE 08030121.01

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 301 AND BILLINGSLEY ROAD

DATE: 3-21-97	DRAWN BY: S.BARBABIWSKI	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY: R. ZACHERL	S.H.A. NO.		TS-2484X-2	3 OF 6
APPROVED BY:	CHECKED BY:	COUNTY	CHARLES		

M:\94002\40735T02.DGN