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: 13 (R Y G) 12"

EXISTING SIGNALS TO REMAIN: 1,2,5,6 (R Y G) 12"; 3,4,7,8 10,12 (R Y G) 12"; 9 (R Y G) 12"

EXISTING SIGNALS TO BE RELOCATED: 11 (R Y G) 12"; 12 (R Y G) 12"

EXISTING SIGNS

14-17: Billingsley Rd — D3-2 (DUAL FACE) VARIABLE x 16"

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

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

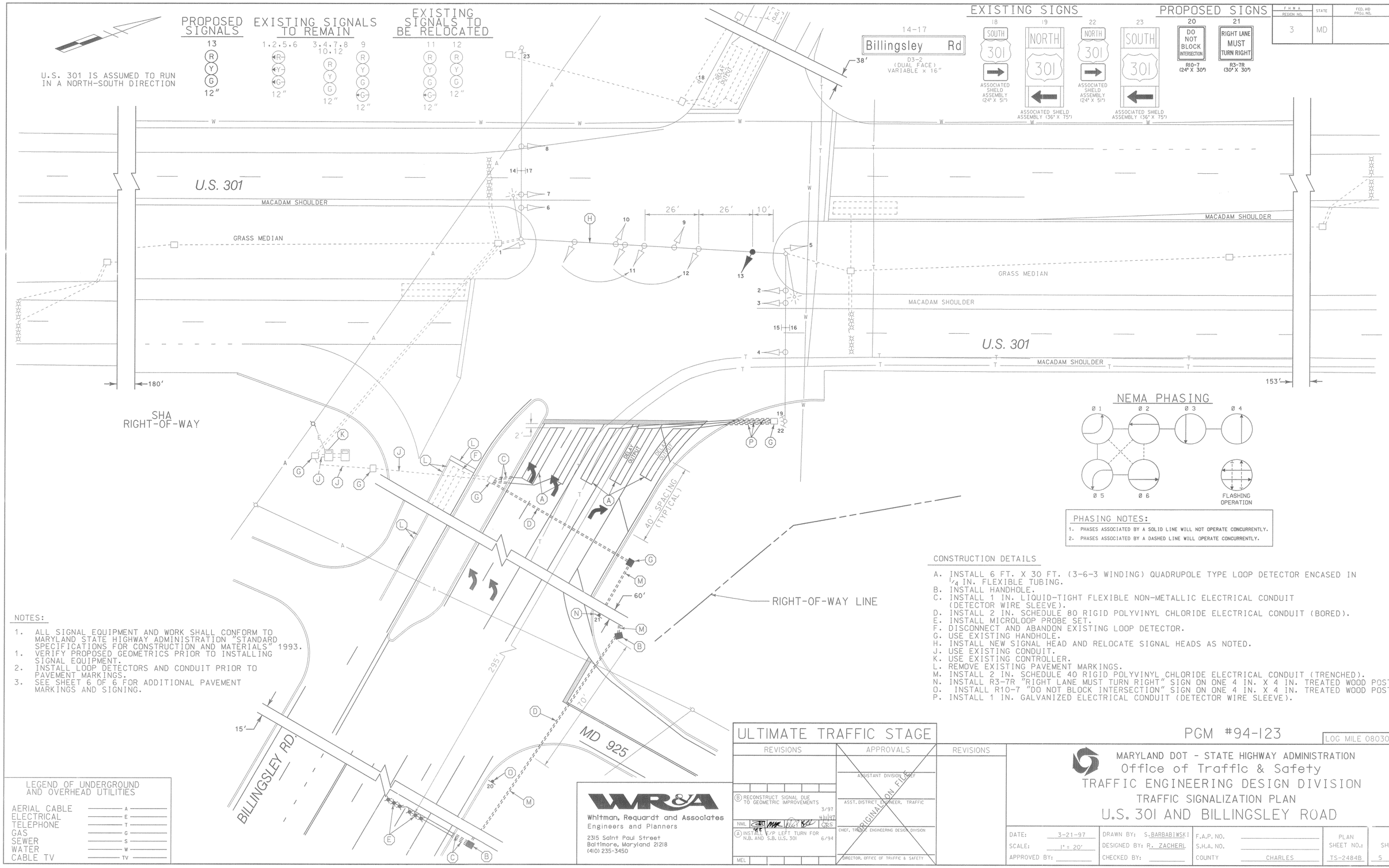
22: NORTH 301 — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

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

PROPOSED SIGNS

20: DO NOT BLOCK INTERSECTION — R10-7 (24" X 30")

21: RIGHT LANE MUST TURN RIGHT — R3-7R (30" X 30")



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.

CONSTRUCTION DETAILS

A. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
B. INSTALL HANDHOLE.
C. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
D. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
E. INSTALL MICROLOOP PROBE SET.
F. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
G. USE EXISTING HANDHOLE.
H. INSTALL NEW SIGNAL HEAD AND RELOCATE SIGNAL HEADS AS NOTED.
J. USE EXISTING CONDUIT.
K. USE EXISTING CONTROLLER.
L. REMOVE EXISTING PAVEMENT MARKINGS.
M. INSTALL 2 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
N. INSTALL R3-7R "RIGHT LANE MUST TURN RIGHT" SIGN ON ONE 4 IN. X 4 IN. TREATED WOOD POST.
O. INSTALL R10-7 "DO NOT BLOCK INTERSECTION" SIGN ON ONE 4 IN. X 4 IN. TREATED WOOD POST.
P. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

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.
3. SEE SHEET 6 OF 6 FOR ADDITIONAL PAVEMENT MARKINGS AND SIGNING.

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

ULTIMATE TRAFFIC STAGE

REVISIONS	APPROVALS	REVISIONS
(B) RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS 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	

ORIGINAL ON FILE

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-2484B	5 OF 6
APPROVED BY:	CHECKED BY:	COUNTY	CHARLES		

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