US 301 RUNS IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

14 Trade Zone Ave. D3-2 16" x VARIABLE
18 R8-3A 24" x 24"
20,25 ONE WAY R6-1L 36" x 12"
21,22 ONLY R3-5(L) 30" x 36"
23 STOP R1-1 30" x 30"
24 RIGHT TURN ONLY R3-3(4) 24" x 30"
27,30 KEEP RIGHT R4-7A 24" x 30"
28,29 R5-1 30" x 30"
31 RIGHT LANE MUST TURN RIGHT R3-7R 30" x 30"
32,33 YIELD R1-2 36" x 36" x 36"
34,35,37 W3-3 48" x 48"
38 Trade Zone Ave. NEXT SIGNAL D3-2 (MODIFIED) 32" x VARIABLE

EXISTING SIGNS TO BE RELOCATED (SHOWN AT FINAL LOCATION)

15 R3-1 24" x 24"
19 ONE WAY R6-1R 36" x 12"
36 W3-3 48" x 48"
39 Trade Zone Ave. NEXT SIGNAL D3-2 (MODIFIED) 32" x VARIABLE

EXISTING SIGNALS TO REMAIN

1,2 3R 3Y 3G 12"
3,4 R Y G 12"
10-13 R Y G 12"

PROPOSED SIGNS

16 R3-2 24" x 24"
17 Trade Zone Ave. D3-2 16" x VARIABLE

PROPOSED SIGNALS

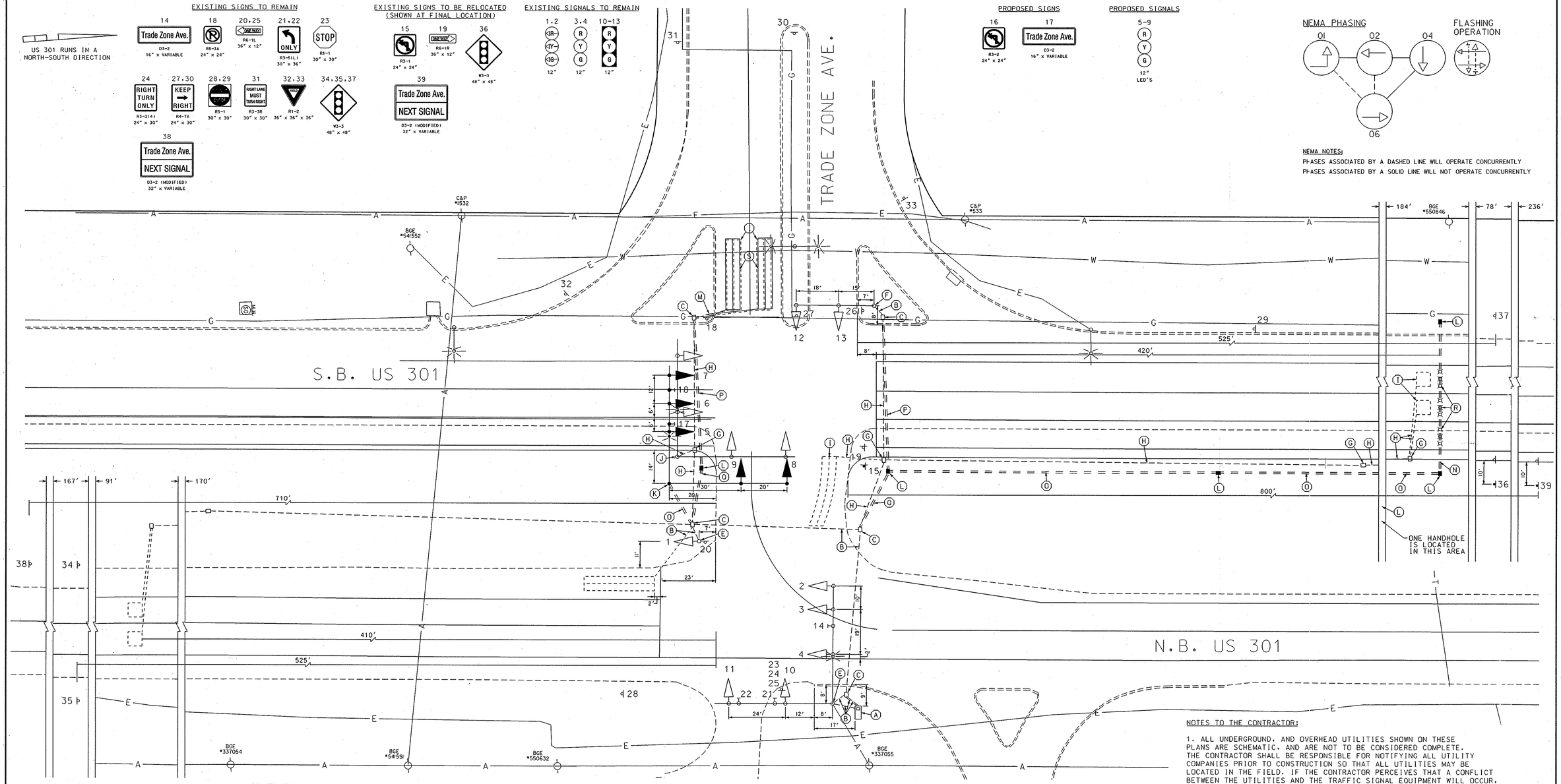
5-9 R Y G 12" LED'S

NEMA PHASING

01 02 04 06

FLASHING OPERATION

NEMA NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



NOTES TO THE CONTRACTOR:

1. ALL UNDERGROUND, AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC, AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. THE CONTRACTOR SHALL BE PRESENT AT THE TRAFFIC SIGNAL TURN ON TO REWIRE SIGNAL HEADS NO. 12 AND 13.

CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET/CONTROLLER.
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDHOLE.
D. USE EXISTING STEEL POLE, MAST ARMS, SIGNAL HEADS, SIGNS, LIGHTING ARM AND LUMINAIRE. INSTALL THE PROPOSED SIGN AS SHOWN.
E. USE EXISTING PEDESTAL POLE AND SIGNAL HEAD.
F. USE EXISTING STEEL POLE, MAST ARM AND SIGNAL HEADS.
G. REMOVE EXISTING HANDHOLE.
H. CAP AND ABANDON EXISTING CONDUIT.
I. ABANDON EXISTING LOOP DETECTOR.
J. REMOVE EXISTING STEEL POLE, MAST ARMS, SIGNAL HEADS, SIGNS, LIGHTING ARM AND LUMINAIRE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
K. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT./ 50 FT. MAST ARMS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, SIGNALS AND SIGNS AS NOTED ON PLAN. (NOTE: 1-3 IN. P.V.C SCHEDULE 80 CONDUIT BEND AND 4-1 3/4 IN. X 90 IN. ANCHOR BOLTS).
L. INSTALL HANDHOLE.
M. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
N. INSTALL 3 IN. SCHEDULE 80, P.V.C. ELECTRICAL CONDUIT (BORED).
O. INSTALL 3 IN. SCHEDULE 80, P.V.C ELECTRICAL CONDUIT (TRENCHED).
P. INSTALL 4 IN. SCHEDULE 80, P.V.C. ELECTRICAL CONDUIT (BORED).
Q. INSTALL 4 IN. SCHEDULE 80, P.V.C ELECTRICAL CONDUIT (TRENCHED).
R. INSTALL NON-INVASIVE MICROLOOP TRIPLE PROBE SET WITH 1,000 FT. LEAD-IN WITHIN 3 IN. CONDUIT.
S. INSTALL 6 FT. X 30 FT. QUADRUPOLE LOOP DETECTOR (2-4-2 TURNS).

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

GPI
GREENMAN-PEDERSEN, INC.
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REVISIONS	APPROVALS
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
A 02/2005 RELOCATE SIGNAL POLE AND ADD ADDITIONAL SIGNALS FOR S/B US 301 THRU LANE & INSTALL NEW DETECTORS SHA NO. BW996M82 SEPTEMBER 2005	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
ML/BB CTS	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

TRAFFIC SIGNALIZATION PLAN
US 301 AT TRADE ZONE AVENUE

DRAWN BY: MELODY COOK	F.A.P. NO.	TS NO. TS-3220 A	SHEET NO.
CHECKED BY: DENNIS DODA	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. H328	01 OF 02
DATE: 02-20-92	LOG MILE: 16030118.84		