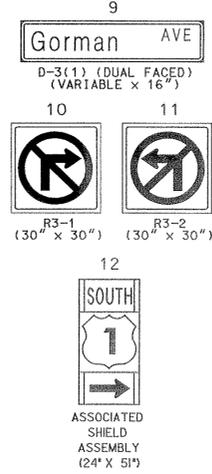


U.S. 1 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

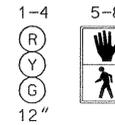
GENERAL NOTES

1. CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO INSTALLATION OF PAVEMENT UNLESS OTHERWISE NOTED ON PLANS.
2. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL MARKING AND SIGNING DETAILS.
4. ALL POLE AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
5. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS DUE TO THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.
7. THE CABINET AND CONTROLLER SHALL BE DELIVERED TO SHA AT 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.
8. DIMENSIONS FOR SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN THE INTERSECTION ARE SHOWN ON THE DIMENSION DIAGRAM (TSP-16).
9. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE FROM EXISTING CONDUIT.

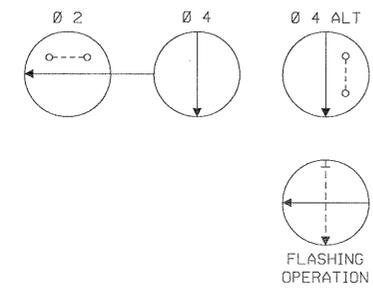
SIGNS



SIGNAL HEADS



NEMA PHASING

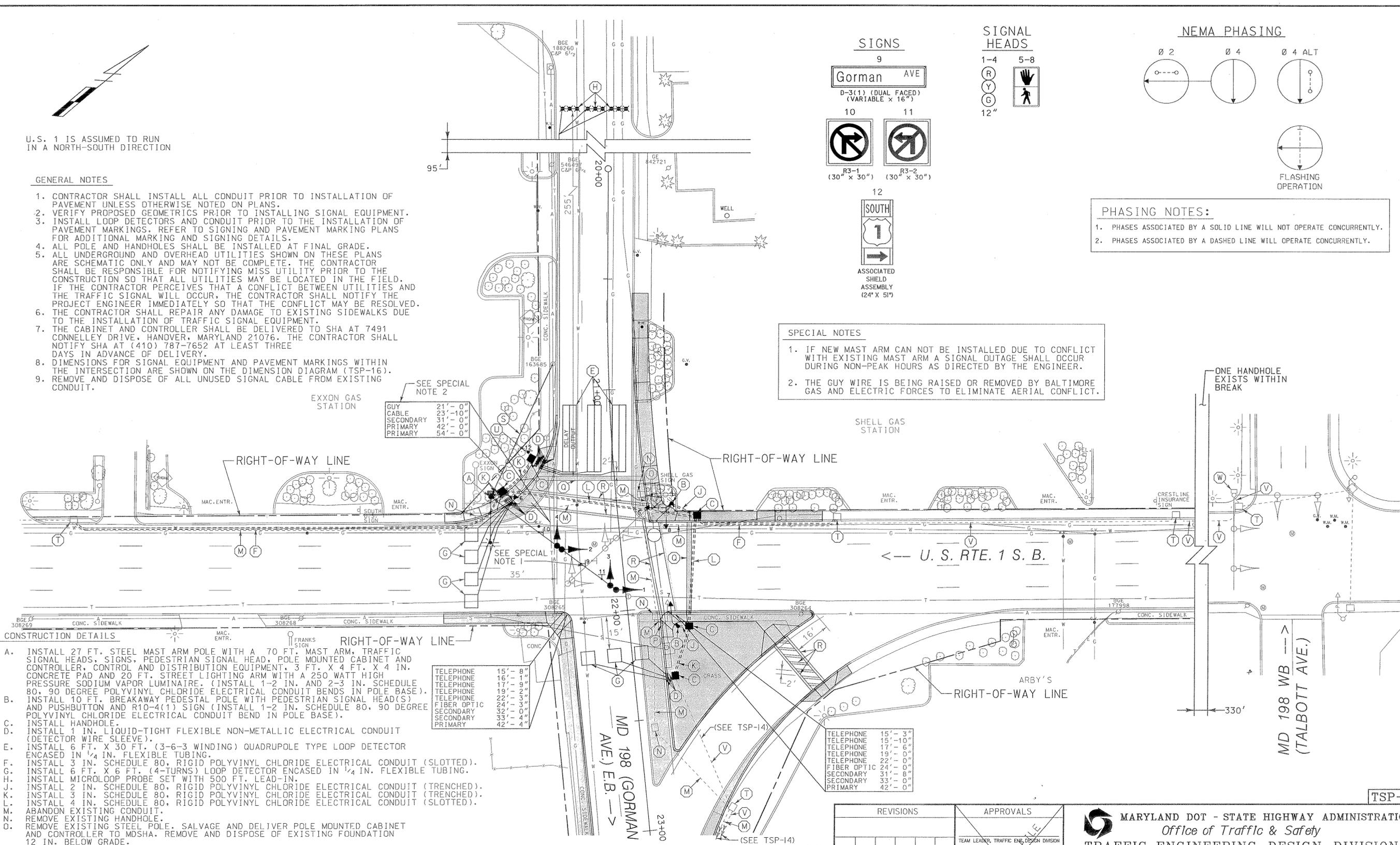


PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SPECIAL NOTES

1. IF NEW MAST ARM CAN NOT BE INSTALLED DUE TO CONFLICT WITH EXISTING MAST ARM A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. THE GUY WIRE IS BEING RAISED OR REMOVED BY BALTIMORE GAS AND ELECTRIC FORCES TO ELIMINATE AERIAL CONFLICT.



CONSTRUCTION DETAILS

1. INSTALL 27 FT. STEEL MAST ARM POLE WITH A 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD, POLE MOUNTED CABINET AND CONTROLLER, CONTROL AND DISTRIBUTION EQUIPMENT, 3 FT. X 4 FT. X 4 IN. CONCRETE PAD AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
2. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD(S) AND PUSHBUTTON AND R10-4(1) SIGN (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE).
3. INSTALL HANDHOLE.
4. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
5. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
6. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
7. INSTALL 6 FT. X 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
8. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
9. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
10. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
11. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
12. ABANDON EXISTING CONDUIT.
13. REMOVE EXISTING HANDHOLE.
14. REMOVE EXISTING STEEL POLE. SALVAGE AND DELIVER POLE MOUNTED CABINET AND CONTROLLER TO MSHA. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
15. REMOVE EXISTING PEDESTAL POLE. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
16. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
17. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK).
18. PROPOSED OVERHEAD ELECTRICAL SERVICE.
19. USE EXISTING HANDHOLE.
20. INSTALL ASSOCIATED SHIELD ASSEMBLY SIGN (24 IN. X 51 IN.) ON ONE 4 IN. X 6 IN. TREATED WOOD POST.
21. USE EXISTING CONDUIT.
22. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER.

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, Reardon
and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENG. DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENG. DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 1 S.B. AND MD 198 E.B. (GORMAN AVE.)

DRAWN BY:	F.A.P. NO.	TS NO.
CHECKED BY:	S.H.A. NO. P-586-501-385	SHEET NO.
SCALE: 1"=20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.
DATE:	LOG MILE: 16000113.60	125 OF 162