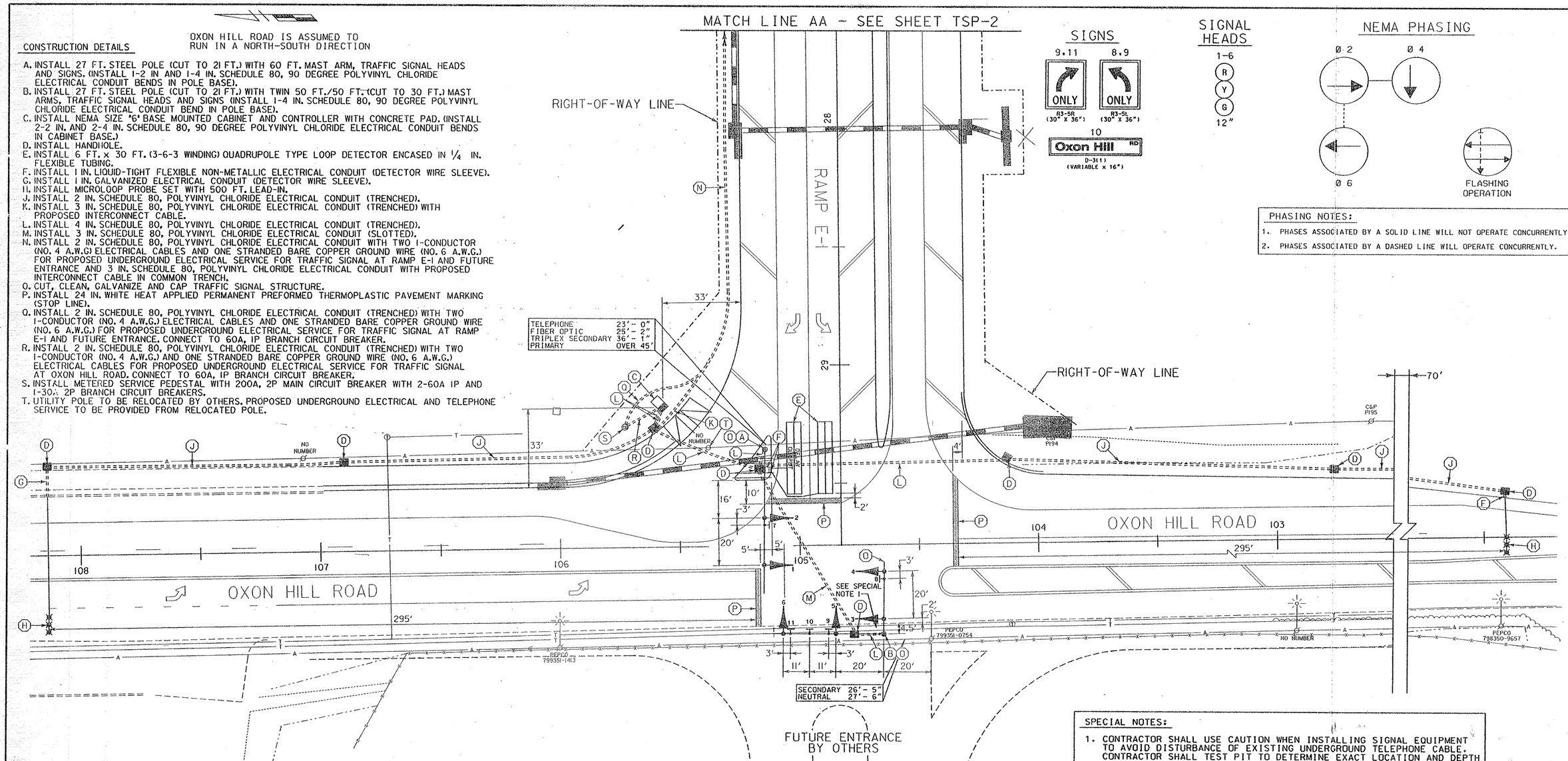
OXON HILL ROAD IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE (CUT TO 21 FT.) WITH 60 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).
B. INSTALL 27 FT. STEEL POLE (CUT TO 21 FT.) WITH TWIN 50 FT./50 FT. (CUT TO 30 FT.) MAST ARMS, TRAFFIC SIGNAL HEADS AND SIGNS (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE).
C. INSTALL NEMA SIZE 6' BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
D. INSTALL HANDHOLE.
E. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
G. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
H. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
J. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH PROPOSED INTERCONNECT CABLE.
L. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
M. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
N. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT WITH TWO 1-CONDUCTOR (NO. 4 A.W.G) ELECTRICAL CABLES AND ONE STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE FOR TRAFFIC SIGNAL AT RAMP E-1 AND FUTURE ENTRANCE AND 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT WITH PROPOSED INTERCONNECT CABLE IN COMMON TRENCH.
O. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
P. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
Q. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH TWO 1-CONDUCTOR (NO. 4 A.W.G.) ELECTRICAL CABLES AND ONE STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE FOR TRAFFIC SIGNAL AT RAMP E-1 AND FUTURE ENTRANCE. CONNECT TO 60A, 1P BRANCH CIRCUIT BREAKER.
R. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH TWO 1-CONDUCTOR (NO. 4 A.W.G.) AND ONE STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) ELECTRICAL CABLES FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE FOR TRAFFIC SIGNAL AT OXON HILL ROAD. CONNECT TO 60A, 1P BRANCH CIRCUIT BREAKER.
S. INSTALL METERED SERVICE PEDESTAL WITH 200A, 2P MAIN CIRCUIT BREAKER WITH 2-60A 1P AND 1-30A 2P BRANCH CIRCUIT BREAKERS.
T. UTILITY POLE TO BE RELOCATED BY OTHERS. PROPOSED UNDERGROUND ELECTRICAL AND TELEPHONE SERVICE TO BE PROVIDED FROM RELOCATED POLE.



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.

GENERAL NOTES

1. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
2. THE CONTRACTOR SHALL NOT CUT MAST ARMS AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
3. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
4. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
5. ALL FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
6. 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.
7. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.

SPECIAL NOTES:

1. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND TELEPHONE CABLE. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF TELEPHONE DUCT PRIOR TO INSTALLING SIGNAL EQUIPMENT. THE CONTRACTOR SHALL CONTACT MR. BART HERMAN OF VERIZON AT (301) 595-6134.
2. CONTRACTOR SHALL INSTALL CONDUIT AT SUFFICIENT DEPTH TO AVOID DISTURBANCE DURING ROADWAY CONSTRUCTION. CONDUIT SHALL BE INSTALLED PRIOR TO BEGINNING ROADWAY CONSTRUCTION.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 3-26-01
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION 4/2/01
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 4/3/01
	DIRECTOR, TRAFFIC & SAFETY 4/3/01

TSP-1

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
OXON HILL ROAD AND RAMP E-1 I 295

DRAWN BY:	S.BLOSS	F.A.P. NO.		TS NO. 4080	SHEET NO.
CHECKED BY:	N.LEARY	S.H.A. NO.	PG3465173		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO. E 484	147 OF 597
DATE:	3/20/01	LOG MILE:			

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