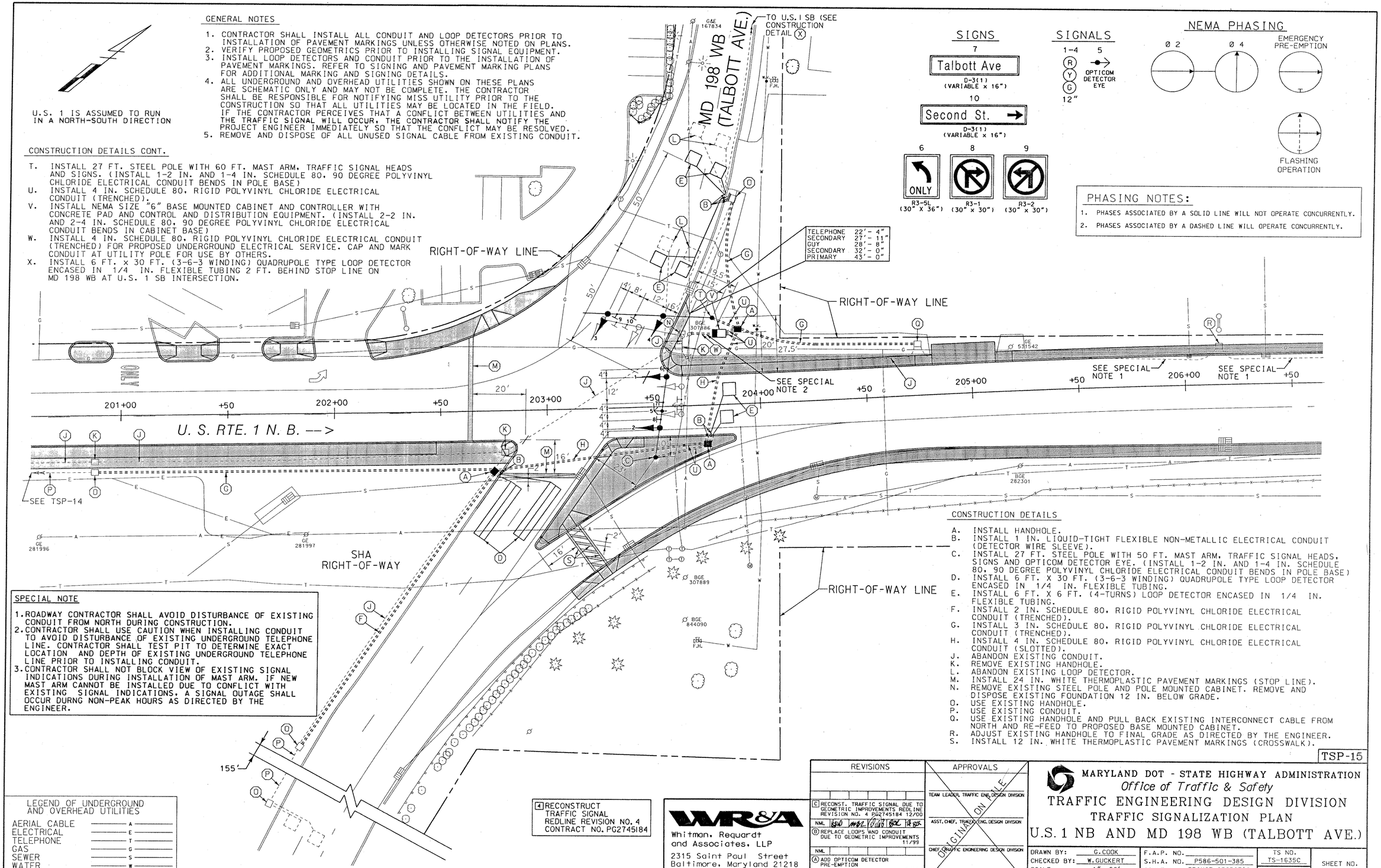
U.S. 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

GENERAL NOTES

1. CONTRACTOR SHALL INSTALL ALL CONDUIT AND LOOP DETECTORS PRIOR TO INSTALLATION OF PAVEMENT MARKINGS 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 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.
5. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE FROM EXISTING CONDUIT.

CONSTRUCTION DETAILS CONT.

T. INSTALL 27 FT. STEEL POLE 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)
U. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
V. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE)
W. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.
X. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING 2 FT. BEHIND STOP LINE ON MD 198 WB AT U.S. 1 SB INTERSECTION.



SIGNS

SIGNALS

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 HANDHOLE.
B. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
C. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND OPTICOM DETECTOR EYE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE)
D. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
E. INSTALL 6 FT. X 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
G. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
J. ABANDON EXISTING CONDUIT.
K. REMOVE EXISTING HANDHOLE.
L. ABANDON EXISTING LOOP DETECTOR.
M. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
N. REMOVE EXISTING STEEL POLE AND POLE MOUNTED CABINET. REMOVE AND DISPOSE EXISTING FOUNDATION 12 IN. BELOW GRADE.
O. USE EXISTING HANDHOLE.
P. USE EXISTING CONDUIT.
Q. USE EXISTING HANDHOLE AND PULL BACK EXISTING INTERCONNECT CABLE FROM NORTH AND RE-FEED TO PROPOSED BASE MOUNTED CABINET.
R. ADJUST EXISTING HANDHOLE TO FINAL GRADE AS DIRECTED BY THE ENGINEER.
S. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK).

SPECIAL NOTE

1. ROADWAY CONTRACTOR SHALL AVOID DISTURBANCE OF EXISTING CONDUIT FROM NORTH DURING CONSTRUCTION.
2. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING CONDUIT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND TELEPHONE LINE. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF EXISTING UNDERGROUND TELEPHONE LINE PRIOR TO INSTALLING CONDUIT.
3. CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS, A SIGNAL OUTAGE SHALL OCCUR DURNG NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

4 RECONSTRUCT TRAFFIC SIGNAL REDLINE REVISION NO. 4 CONTRACT NO. PG2745184

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

REVISIONS		
C	RECONST. TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS REDLINE REVISION NO. 4 PG2745184	12/00
NML		
B	REPLACE LOOPS AND CONDUIT DUE TO GEOMETRIC IMPROVEMENTS	11/99
NML		
A	ADD OPTICOM DETECTOR PRE-EMPTION	3/99
MAR		

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

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

DRAWN BY: G.COOK	F.A.P. NO.	TS NO. TS-1635C	SHEET NO.
CHECKED BY: W.GUCKERT	S.H.A. NO. P586-501-385		
SCALE: 1"= 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: 7-28-72	LOG MILE: 16000113.69		127A OF 162

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