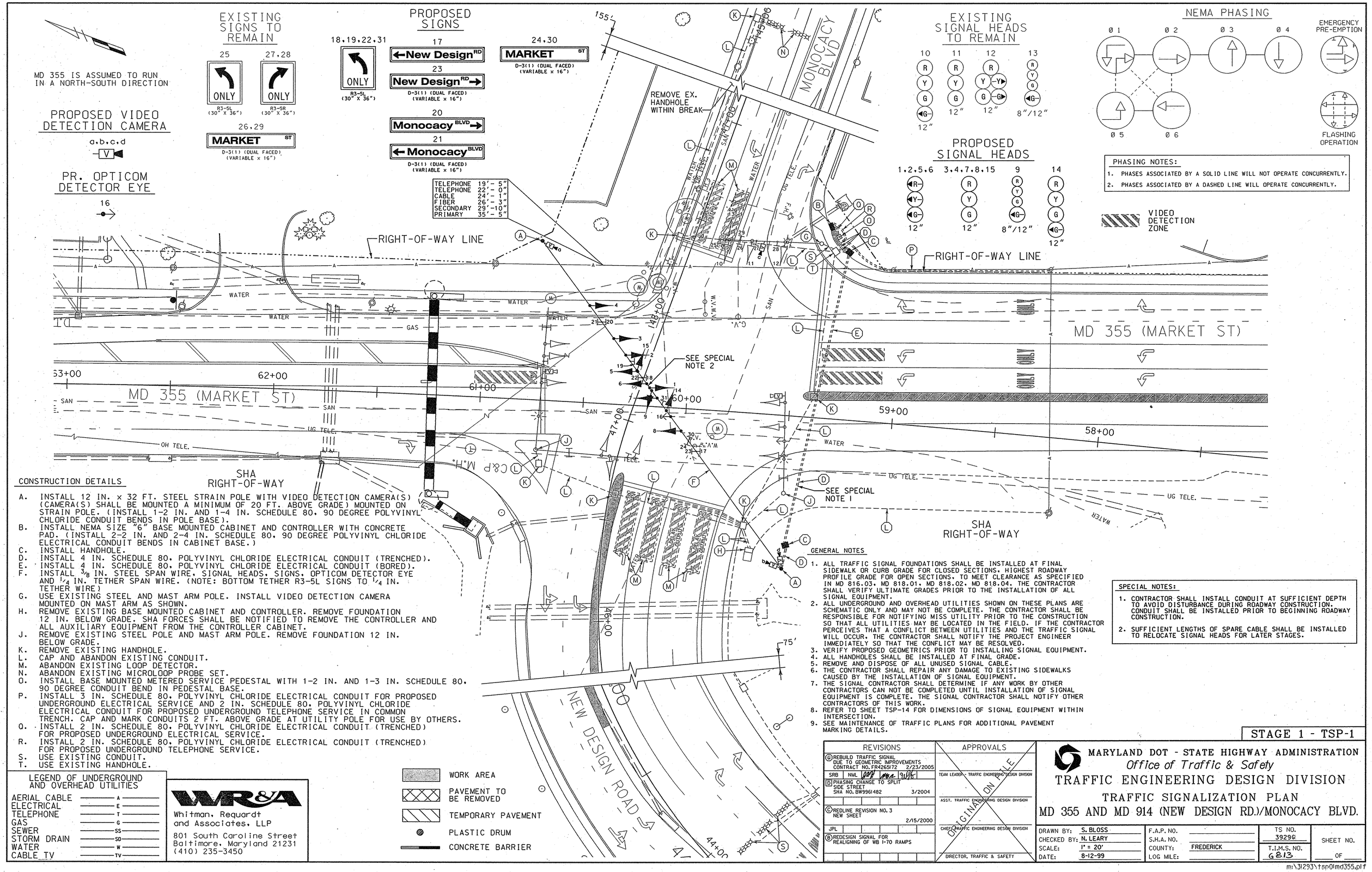

CONSTRUCTION DETAILS

A. INSTALL 12 IN. x 32 FT. STEEL STRAIN POLE WITH VIDEO DETECTION CAMERA(S) (CAMERA(S) SHALL BE MOUNTED A MINIMUM OF 20 FT. ABOVE GRADE) MOUNTED ON STRAIN POLE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
B. 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.)
C. INSTALL HANDHOLE.
D. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
E. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
F. INSTALL 3/8 IN. STEEL SPAN WIRE, SIGNAL HEADS, SIGNS, OPTICOM DETECTOR EYE AND 1/4 IN. TETHER SPAN WIRE. (NOTE: BOTTOM TETHER R3-5L SIGNS TO 1/4 IN. TETHER WIRE)
G. USE EXISTING STEEL AND MAST ARM POLE. INSTALL VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AS SHOWN.
H. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA FORCES SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET.
J. REMOVE EXISTING STEEL POLE AND MAST ARM POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
K. REMOVE EXISTING HANDHOLE.
L. CAP AND ABANDON EXISTING CONDUIT.
M. ABANDON EXISTING LOOP DETECTOR.
N. ABANDON EXISTING MICROLOOP PROBE SET.
O. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 1-2 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND IN PEDESTAL BASE.
P. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
Q. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
R. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
S. USE EXISTING CONDUIT.
T. USE EXISTING HANDHOLE.

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. 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.
3. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
4. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
5. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
6. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
7. 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.
8. REFER TO SHEET TSP-14 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.
9. SEE MAINTENANCE OF TRAFFIC PLANS FOR ADDITIONAL PAVEMENT MARKING DETAILS.

SPECIAL NOTES:

1. CONTRACTOR SHALL INSTALL CONDUIT AT SUFFICIENT DEPTH TO AVOID DISTURBANCE DURING ROADWAY CONSTRUCTION. CONDUIT SHALL BE INSTALLED PRIOR TO BEGINNING ROADWAY CONSTRUCTION.
2. SUFFICIENT LENGTHS OF SPARE CABLE SHALL BE INSTALLED TO RELOCATE SIGNAL HEADS FOR LATER STAGES.

STAGE 1 - TSP-1

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

WR&A
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Baltimore, Maryland 21231
(410) 235-3450

REVISIONS	APPROVALS
(G) REBUILD TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS CONTRACT NO. FR4265172 2/23/2005	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
SRB NML (D) PHASING CHANGE TO SPLIT SIDE STREET SHA NO. BW9961482 3/2004	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
(C) REDLINE REVISION NO. 3 NEW SHEET 2/15/2000	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
JPL (B) REDESIGN SIGNAL FOR REALIGNING OF WB I-70 RAMPS	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 355 AND MD 914 (NEW DESIGN RD.)/MONOCACY BLVD.

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO. 39296	SHEET NO.	
CHECKED BY: N. LEARY	S.H.A. NO.				
SCALE: 1" = 20'	COUNTY: FREDERICK		T.I.M.S. NO. 6813	OF	
DATE: 8-12-99	LOG MILE:				

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