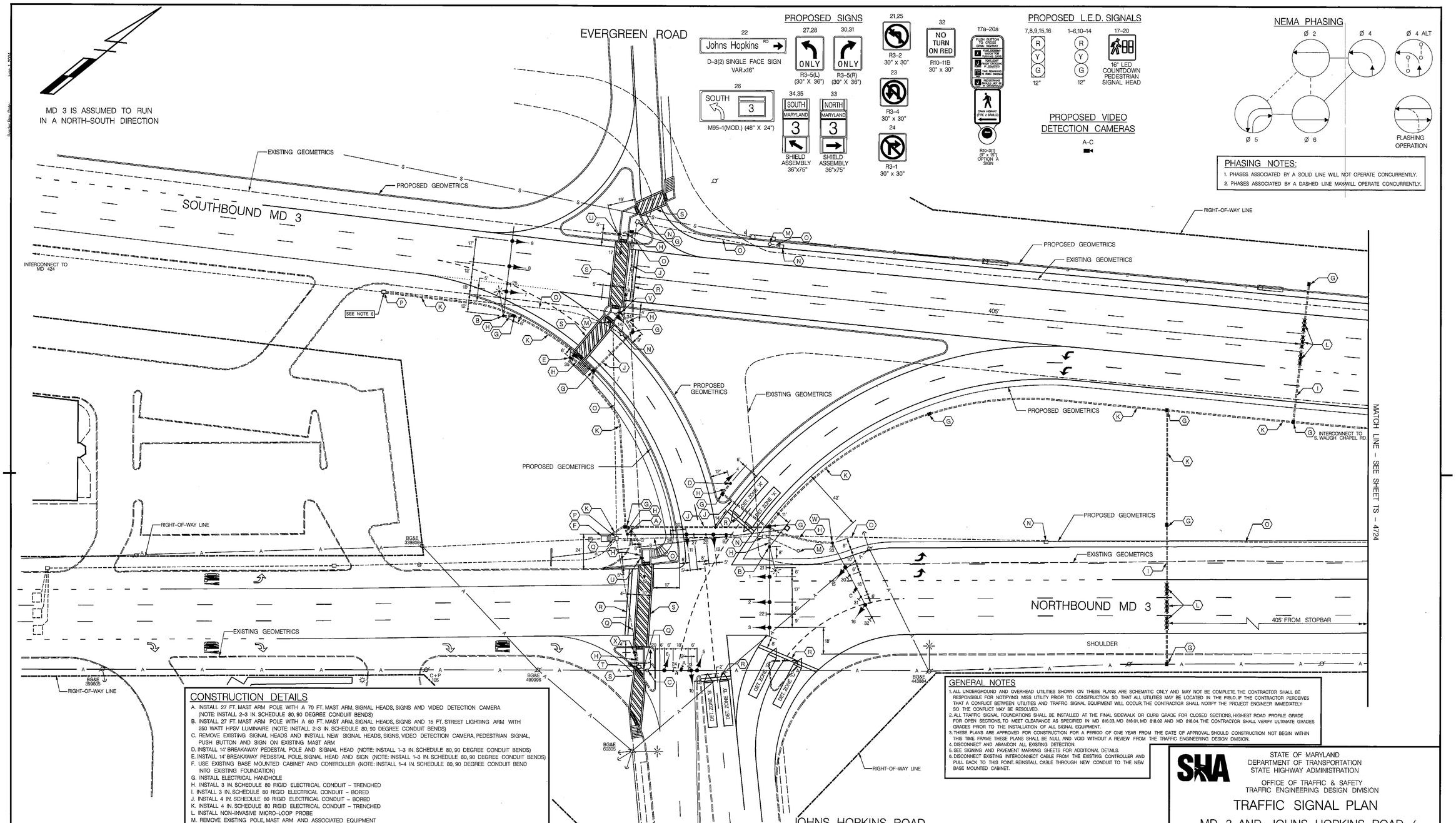

CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL, PUSH BUTTON AND SIGN ON EXISTING MAST ARM
D. INSTALL 14' BREAKAWAY PEDESTAL POLE AND SIGNAL HEAD (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
E. INSTALL 14' BREAKAWAY PEDESTAL POLE, SIGNAL HEAD AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
F. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER (NOTE: INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND INTO EXISTING FOUNDATION)
G. INSTALL ELECTRICAL HANDHOLE
H. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
I. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
J. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
K. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
L. INSTALL NON-INVASIVE MICRO-LOOP PROBE
M. REMOVE EXISTING POLE, MAST ARM AND ASSOCIATED EQUIPMENT
N. REMOVE EXISTING ELECTRICAL HANDHOLE
O. CAP AND ABANDON EXISTING CONDUIT
P. USE EXISTING ELECTRICAL HANDHOLE
Q. USE EXISTING CONDUIT
R. INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
S. INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING CROSSWALK
T. ADJUST HANDHOLE TO FINAL GRADE
U. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
V. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, SIGNAL HEAD, SIGN, PEDESTRIAN SIGNAL, PUSHBUTTON, AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
W. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
X. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE (CUT TO 5', CLEAN, GALVANIZE AND CAP), PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)

GENERAL NOTES

1. 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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROAD PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
4. DISCONNECT AND ABANDON ALL EXISTING DETECTION.
5. SEE SIGNING AND PAVEMENT MARKING SHEETS FOR ADDITIONAL DETAILS.
6. DISCONNECT EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AND PULL BACK TO THIS POINT. REINSTALL CABLE THROUGH NEW CONDUIT TO THE NEW BASE MOUNTED CABINET.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

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EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

G	8-1-09	RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS. SHA NO. BW-996M82. TMZ JKS
C	2-28-07	REPLACE DETECTION DUE TO GEOMETRIC IMPROVEMENTS. SHA NO. BW-996M82. TMZ

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 3 AND JOHNS HOPKINS ROAD / EVERGREEN ROAD

SCALE	1" = 30'	DATE	
CONTRACT NO.	AA438-509-585		
DESIGNED BY	D. DISTANCE	COUNTY	ANNE ARUNDEL
DRAWN BY	J. KRATT	LOGMILE	02000303.15
CHECKED BY		T.I.M.S. NO.	J-663
F.A.P. NO.	N/A	TOD NO.	
DRAWING NO.	2150/2051 D	SHEET NO.	1 OF 2