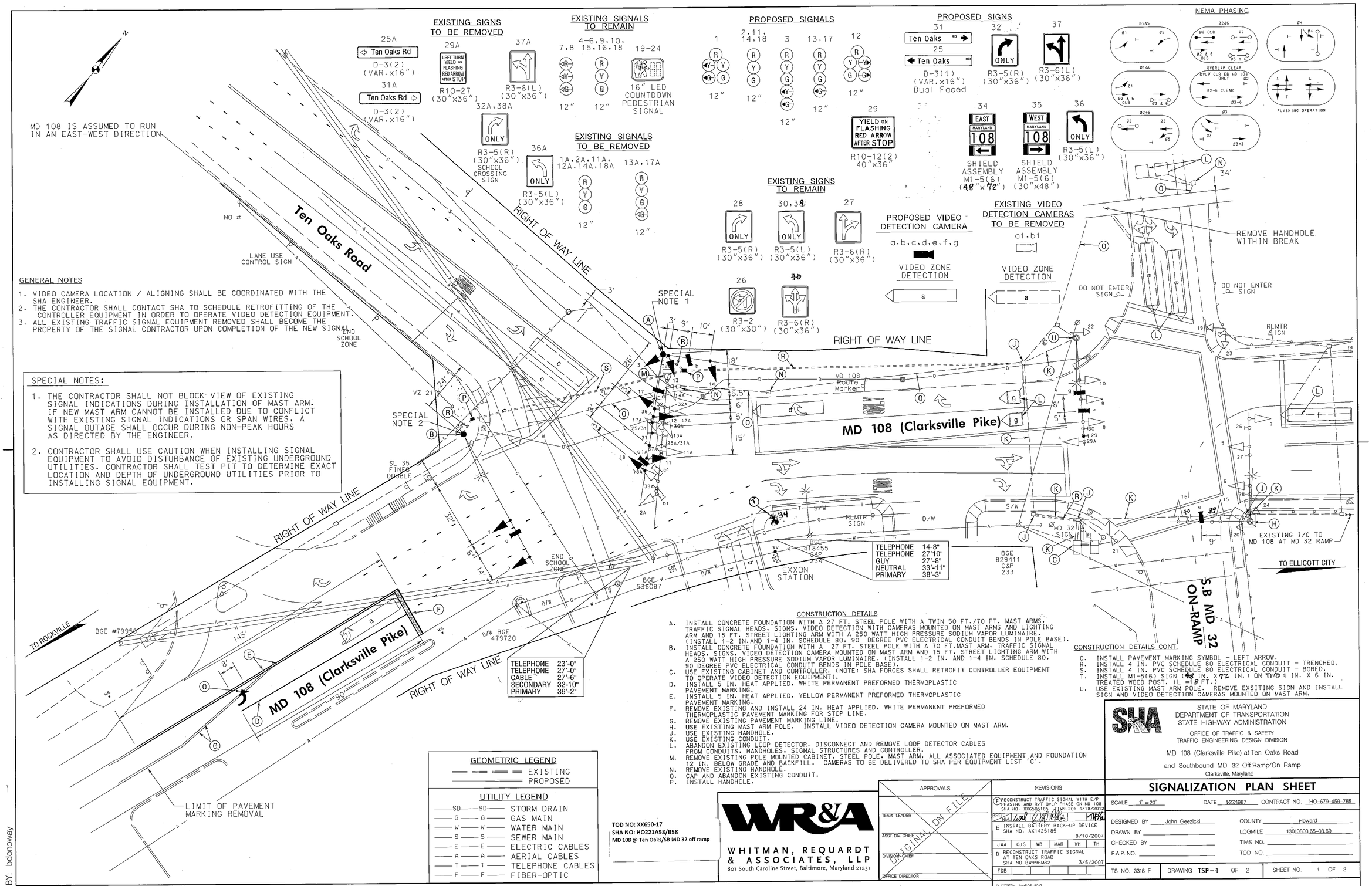

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.

SPECIAL NOTES:

1. THE 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 OR SPAN WIRES, A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A TWIN 50 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION WITH CAMERAS MOUNTED ON MAST ARMS AND LIGHTING ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. USE EXISTING CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
D. INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
E. INSTALL 5 IN. HEAT APPLIED, YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
F. REMOVE EXISTING AND INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
G. REMOVE EXISTING PAVEMENT MARKING LINE.
H. USE EXISTING MAST ARM POLE. INSTALL VIDEO DETECTION CAMERA MOUNTED ON MAST ARM.
J. USE EXISTING HANDHOLE.
K. USE EXISTING CONDUIT.
L. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
M. REMOVE EXISTING POLE MOUNTED CABINET, STEEL POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. CAMERAS TO BE DELIVERED TO SHA PER EQUIPMENT LIST 'C'.
N. REMOVE EXISTING HANDHOLE.
O. CAP AND ABANDON EXISTING CONDUIT.
P. INSTALL HANDHOLE.

CONSTRUCTION DETAILS CONT.

Q. INSTALL PAVEMENT MARKING SYMBOL - LEFT ARROW.
R. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
S. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
T. INSTALL M1-5(6) SIGN (48 IN. X 72 IN.) ON TWO 4 IN. X 6 IN. TREATED WOOD POST. (L =18 FT.)
U. USE EXISTING MAST ARM POLE. REMOVE EXSITING SIGN AND INSTALL SIGN AND VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

TOD NO: XX650-17
SHA NO: HO221A58/B58
MD 108 @ Ten Oaks/SB MD 32 off ramp

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

F RECONSTRUCT TRAFFIC SIGNAL WITH E/P PHASING AND R/T OVLP PHASE ON MD 108 SHA NO. XX650518 5 MSL206 4/18/2012
E INSTALL BATTERY BACK-UP DEVICE SHA NO. AX1425185 8/10/2007
D RECONSTRUCT TRAFFIC SIGNAL AT TEN OAKS ROAD SHA NO BW996M82 3/5/2007

PLOTTED: Apr/05, 2012
FILE: N:\31669-204\CADD\pSG-P001_L206.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 108 (Clarksville Pike) at Ten Oaks Road
and Southbound MD 32 Off Ramp/On Ramp
Clarksville, Maryland

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 12/7/1987 CONTRACT NO. HO-679-459-785

DESIGNED BY John Geezicki
DRAWN BY
CHECKED BY
F.A.P. NO.

COUNTY Howard
LOGMILE 13010803.65-03.69
TIMS NO.
TOD NO.

TS NO. 3318 F | DRAWING TSP-1 OF 2 | SHEET NO. 1 OF 2

BY: bdonoway