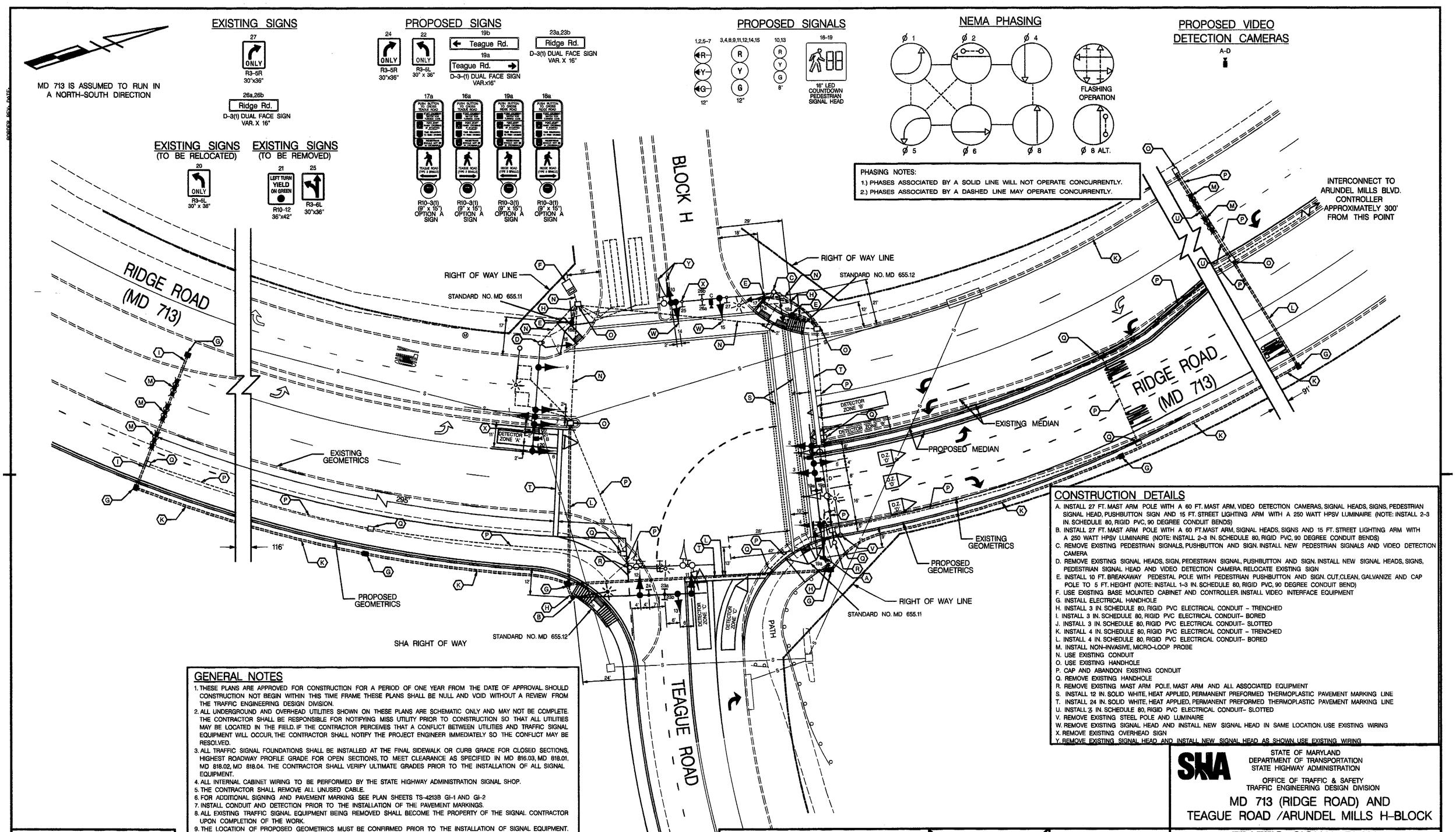

CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, VIDEO DETECTION CAMERAS, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON SIGN AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 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 A 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)
C. REMOVE EXISTING PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN. INSTALL NEW PEDESTRIAN SIGNALS AND VIDEO DETECTION CAMERA
D. REMOVE EXISTING SIGNAL HEADS, SIGN, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. INSTALL NEW SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD AND VIDEO DETECTION CAMERA. RELOCATE EXISTING SIGN
E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN PUSHBUTTON AND SIGN. CUT,CLEAN, GALVANIZE AND CAP POLE TO 5 FT. HEIGHT (NOTE: INSTALL 1-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BEND)
F. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL VIDEO INTERFACE EQUIPMENT
G. INSTALL ELECTRICAL HANDHOLE
H. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
I. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT- BORED
J. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT- SLOTTED
K. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
L. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT- BORED
M. INSTALL NON-INVASIVE, MICRO-LOOP PROBE
N. USE EXISTING CONDUIT
O. USE EXISTING HANDHOLE
P. CAP AND ABANDON EXISTING CONDUIT
Q. REMOVE EXISTING HANDHOLE
R. REMOVE EXISTING MAST ARM POLE, MAST ARM AND ALL ASSOCIATED EQUIPMENT
S. INSTALL 12 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
T. INSTALL 24 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
U. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT- SLOTTED
V. REMOVE EXISTING STEEL POLE AND LUMINAIRE
W. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW SIGNAL HEAD IN SAME LOCATION. USE EXISTING WIRING
X. REMOVE EXISTING OVERHEAD SIGN
Y. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW SIGNAL HEAD AS SHOWN. USE EXISTING WIRING

GENERAL NOTES

1. 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.
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 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.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE 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.
4. ALL INTERNAL CABINET WIRING TO BE PERFORMED BY THE STATE HIGHWAY ADMINISTRATION SIGNAL SHOP.
5. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLE.
6. FOR ADDITIONAL SIGNING AND PAVEMENT MARKING SEE PLAN SHEETS TS-4213B GI-1 AND GI-2
7. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
8. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
9. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
10. PUSHBUTTONS ARE TO BE LOCATED SO THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
11. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF THE PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
12. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
13. LOCATION OF ACCESSABLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED AND APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY
14. ALL APS CENTRAL CONTROL UNITS SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR PROGRAMMING AND TESTING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

M:\2400\2475\Signals\MD 713@Teague Rd\signal9-23-11.dgn
Wednesday, October 19, 2011 AT 08:07:18 AM

APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

B	REPLACE EQUIPMENT DUE TO WIDENING	
10-17-11	SHA. NO. BW-996M82	
TZ	MLR	KH
	REPLACE DETECTION DUE TO GEOMETRIC IMPROVEMENTS	
10-8-10	SHA NO. BW-996M82	
TMZ	JKS	

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 713 (RIDGE ROAD) AND
TEAGUE ROAD /ARUNDEL MILLS H-BLOCK

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 11-25-02 CONTRACT NO. AT 3585185

DESIGNED BY		COUNTY	ANNE ARUNDEL
DRAWN BY	WT	LOGMILE	Q2B71300.06
CHECKED BY	CT	T.I.M.S. NO.	K970
F.A.P. NO.	NA	TOD NO.	

DRAWING NO. TS-4 4240B

SHEET NO. 1 OF 4