PROPOSED SIGNS

MD 43 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

18a	18b	20a	20b	21a,21b,24a,24b	16,17,19,22,23	25	26	27	28
Market WAY →	← Market WAY	Crossroads CR →	← Crossroads CR	White Marsh BLVD	ONLY	EAST MARYLAND 43 →	WEST MARYLAND 43 ←	WEST MARYLAND 43 →	EAST MARYLAND 43 ←
D-3(1) DUAL FACE VAR. X 16"		D-3(1) DUAL FACE VAR. X 16"		D-3(1) DUAL FACE VAR. X 16"	R3-5L 30"x36"	SHIELD ASSEMBLY 24"x51"	SHIELD ASSEMBLY 36"x75"	SHIELD ASSEMBLY 24"x51"	SHIELD ASSEMBLY 36"x75"

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 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 THTE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. THE SIGNAL WILL OPERATE IN A FLASH MODE UNTIL DEVELOPMENT AND TRAFFIC DEMANDS WARRANT FULL STOP/GO OPERATIONS.
4. INSTALL ADA IMPROVEMENTS WITHIN 90 DAYS OF SWITCH TO RYG OPERATION.

PROPOSED SIGNALS

10,11,13,14	1-3,6,7	4,5,8,9,12,15
R	R	R
Y	Y	Y
G	G	G
G		
12"	12"	12"

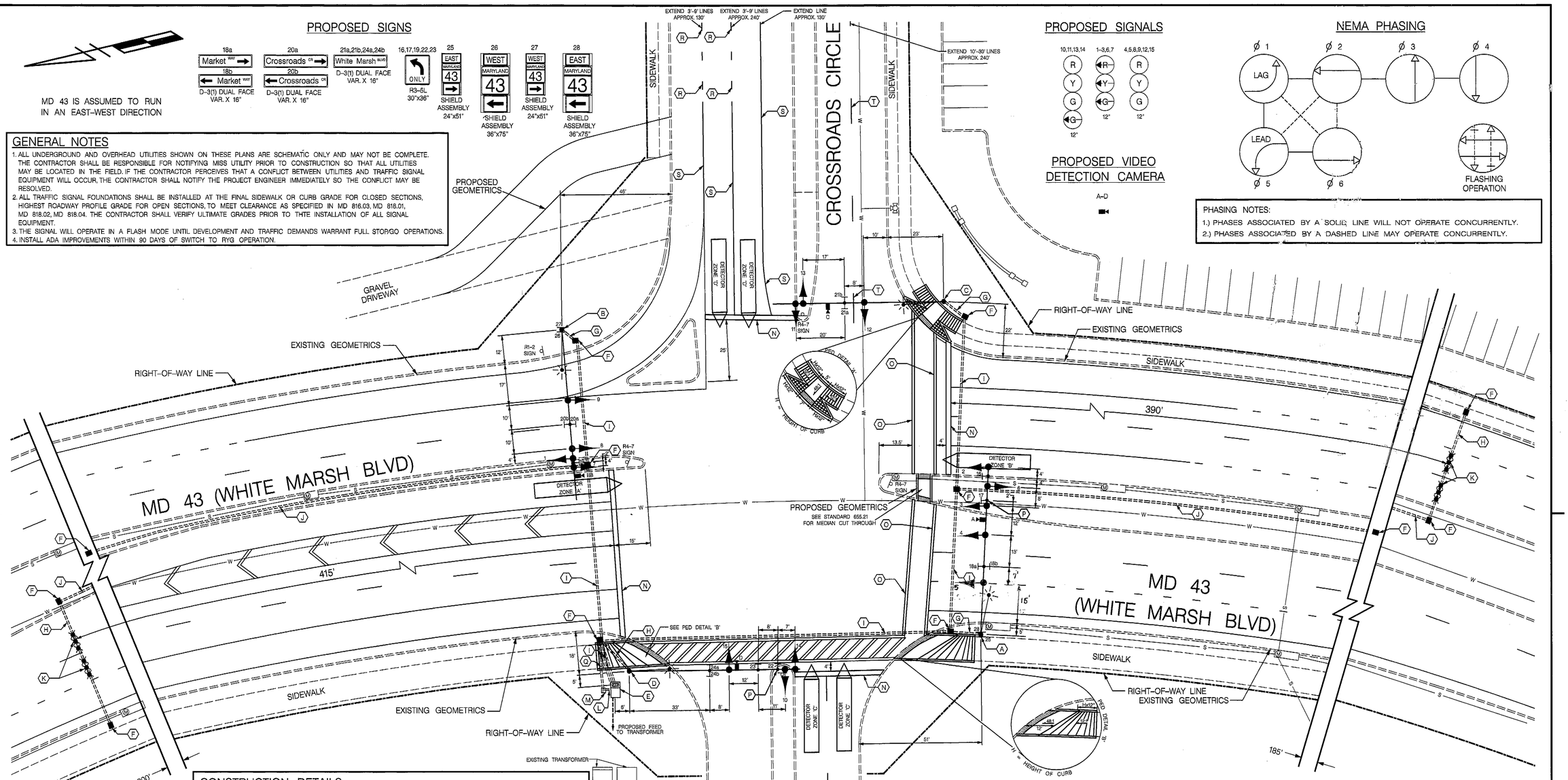
PROPOSED VIDEO DETECTION CAMERA

A-D

NEMA PHASING

PHASING NOTES:

1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
D. INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
E. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
F. INSTALL ELECTRICAL HAND-HOLE
G. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
H. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
I. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
J. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
K. INSTALL MICRO-LOOP PROBE
L. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
M. INSTALL METER SERVICE PEDESTAL
N. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
O. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
P. KEEP R3-5L SIGN BAGGED UNTIL DOUBLE LEFT TURN IS OPERATIONAL
Q. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
R. INSTALL 5 IN. WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (3 FT. LINE – 9 FT. GAP)
S. INSTALL 5 IN. WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
T. INSTALL 5 IN. WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (10 FT. LINE – 30 FT. GAP)

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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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 43 (WHITE MARSH BOULEVARD) AND CROSSROADS CIRCLE /MARKET WAY

APPROVALS		REVISIONS
TEAM LEADER	10-18-11	
ASST. DIV. CHIEF	10-18-11	
DIVISION CHIEF	10-19-11	
OFFICE DIRECTOR	10/21/11	

TRAFFIC SIGNALIZATION PLAN

SCALE	1" = 20'	DATE	9-12-2011
CONTRACT NO.	BW996M82		
DESIGNED BY	T. ZAYDEL	COUNTY	BALTIMORE
DRAWN BY	J.K. SCHMID	LOGMILE	03043007.33
CHECKED BY	K. SCHMID	T.I.M.S. NO.	K-228
F.A.P. NO.	N/A	TOD NO.	
DRAWING NO.	TS-4744	SHEET NO.	1 OF 2

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DATE: Tuesday, September 13, 2011 AT 02:54 PM