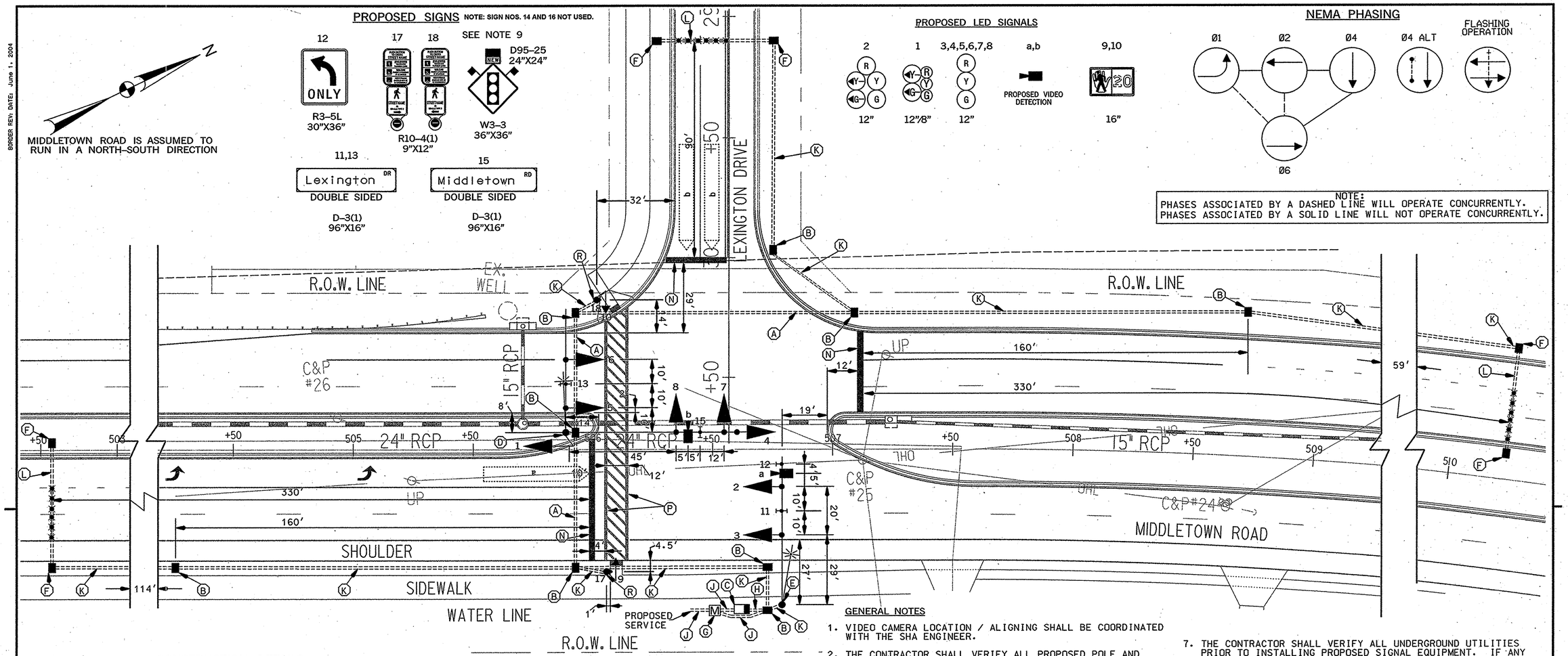

CONSTRUCTION DETAILS

(A) DIRECTIONALLY BORE ONE 4 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT.

(B) FURNISH AND INSTALL NEW HANDHOLE.

(C) INSTALL NEMA SIZE '6' BASE MOUNTED CABINET (STA. 506+61, 66' RIGHT), FOUNDATION AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. INCLUDING HARDWARE, 2-WIRE CONTROL UNIT FOR AUDIBLE TACTICAL PUSHBUTTNON, VIDEO INTERFACE EQUIPMENT, AND DISCONNECT. (NOTE: FOUNDATION SHALL HAVE TWO - 2 INCH AND TWO - 4 INCH SCHEDULE 80, 90 DEGREE BENDS)

(D) INSTALL 27 FOOT STEEL POLE WITH TWIN 70 FOOT AND 50 FOOT MAST ARMS (STA. 505+89 6' LEFT), BLACK FACED LED SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, AND 20 FOOT LIGHTING ARM WITH 250 WATT HPS LAMP. (NOTE: ONE 3 - INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN BASE)

(E) INSTALL 27 FOOT STEEL POLE WITH 60 FOOT MAST ARM (506+79 64' RIGHT), BLACK FACED LED SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, AND 20 FOOT LIGHTING ARM WITH 250 WATT HPS LAMP. (NOTE: ONE 3 - INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN BASE)

(F) FURNISH AND INSTALL HANDHOLE. (NOTE : HANDHOLE TO BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO ROADWAY TO FACILITATE NON-INVASIVE LOOP DETECTOR INSTALLATION)

(G) INSTALL METERED SERVICE PEDESTAL (NOTE: CONTRACTOR SHALL COORDINATE WITH POWER COMPANY TO EXTEND NEW SERVICE TO PEDESTAL)

(H) TRENCH TWO 4 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT

(J) TRENCH ONE 2 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT

(K) TRENCH ONE 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT

(L) DIRECTIONALLY BORE ONE 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT AND INSTALL NON-INVASIVE LOOP DETECTORS

(N) 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED PAVEMENT MARKING FOR STOP LINE

(P) 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED PAVEMENT MARKING FOR CROSSWALK

(R) INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE, COUNTDOWN PEDESTRIAN SIGNALS AND AUDIBLE TACTICAL PEDESTRIAN PUSHBUTTON AND SIGN. (NOTE: ONE 3 INCH, SCHEDULE 80 PVC, 90 DEGREE PVC CONDUIT BEND IN POLE BASE)

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS (SHEET SM-06), OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS AND MUTCD.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. 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 CLEARANCES 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.
9. NEW SIGNAL WARNING SIGN ASSEMBLIES (W3-3) WILL BE PLACED ON ALL APPROACHING LANES 500 FEET PRIOR TO SIGNAL. THE W3-3 SIGNS SHALL CONFORM TO ALL MUTCD STANDARDS, AND BE FLUORESCENT YELLOW IN COLOR.

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MIDDLETOWN ROAD AT LEXINGTON DRIVE WALDORF, MARYLAND

WALLACE, MONTGOMERY & ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
110 West Road
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APPROVALS	
PROJECT ENGINEER	3/28/06
ASST. DIV. CHIEF	3-28-06
DIVISION CHIEF	3/27/06
OFFICE DIRECTOR	3/31

REVISIONS

SIGNAL PLAN

SCALE 1" = 20' DATE 11-14-2005 CONTRACT NO. BW 656M83

DESIGNED BY RWE
DRAWN BY RWE
CHECKED BY MJA
F.A.P. NO.
COUNTY CHARLES
LOGMILE 08CMID01.22
T.I.M.S. NO. H251
TOD NO.

DRAWING NO. 4463
SHEET NO. SG 03 OF 04

PLOTTED: Tuesday, February 28, 2006 AT 11:34 AM
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