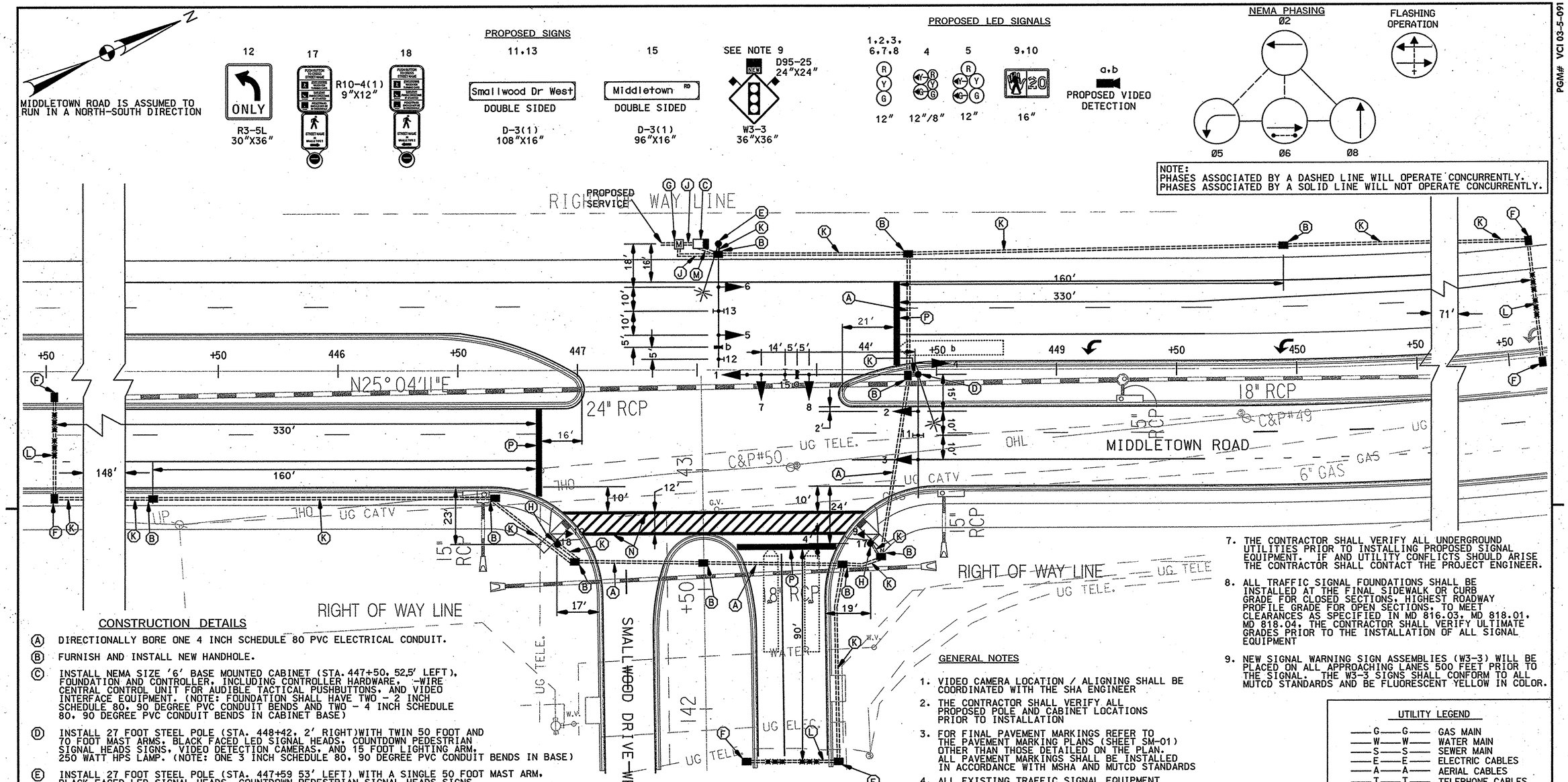

CONSTRUCTION DETAILS

(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. 447+50, 52.5' LEFT), FOUNDATION AND CONTROLLER, INCLUDING CONTROLLER HARDWARE, 4-WIRE CENTRAL CONTROL UNIT FOR AUDIBLE TACTICAL PUSHBUTTONS, AND VIDEO INTERFACE EQUIPMENT. (NOTE: FOUNDATION SHALL HAVE TWO - 2 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS AND TWO - 4 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN CABINET BASE)

(D) INSTALL 27 FOOT STEEL POLE (STA. 448+42, 2' RIGHT)WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS, BLACK FACED LED SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNAL HEADS SIGNS, VIDEO DETECTION CAMERAS, AND 15 FOOT LIGHTING ARM, 250 WATT HPS LAMP. (NOTE: ONE 3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN BASE)

(E) INSTALL 27 FOOT STEEL POLE (STA. 447+59 53' LEFT) WITH A SINGLE 50 FOOT MAST ARM, BLACK FACED LED SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNAL HEADS SIGNS, VIDEO DETECTION CAMERAS, AND 15 FOOT LIGHTING ARM, 250 WATT HPS LAMP (NOTE: ONE 3 - INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN BASE)

(F) FURNISH AND INSTALL HANDHOLE (NOTE: HANDHOLES TO BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO ROADWAY TO FACILITATE MICROLOOP INSTALLATION)

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

(H) INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL AND AUDIBLE TACTICAL PEDESTRIAN PUSHBUTTON AND SIGN. (NOTE: ONE 3 - INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN BASE)

(J) TRENCH 2 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT

(K) TRENCH 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT

(L) DIRECTIONALLY BORE ONE 3 INCH NON-INVASIVE DETECTOR CARRIER PIPE FOR INSTALLATION OF NON-INVASIVE PROBES.

(M) TRENCH TWO - 4 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT

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

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

DETAIL A

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-01) OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA AND MUTCD STANDARDS
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL
5. ALL PROPOSED LUMINARIES 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 AND UTILITY 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 818.04. 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 THE 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 SMALLWOOD DRIVE WEST WALDORF, MARYLAND

REVISION A CONSULTANT

WALLACE, MONTGOMERY & ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
110 West Road
Suite 300
Towson, Maryland 21204

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(A) REPLACE EXISTING ICB WITH NEW SIGNAL DUE TO NEW GEOMETRICS.
BY: 6/6/2013
MJA

PLOTTED: Tuesday, June 13, 2006 AT 03:00 PM
FILE: M:\PROJ\203013.00\Cadd\SHA-Signal Plans\sg01smalldrdtn.dgn

SIGNAL PLAN

SCALE 1" = 20' DATE 11-26-1991 CONTRACT NO.

DESIGNED BY J. DIRNDORFER
DRAWN BY P. DORR
CHECKED BY S. RENZI
F.A.P. NO.

COUNTY CHARLES
LOGMILE 08CMID02.34
T.I.M.S. NO. H251
TOD NO.

DRAWING NO. 3198 A

SHEET NO. SG 02 OF 15

PGM# VCI 03-5-091

PGM# VCI 03-5-091