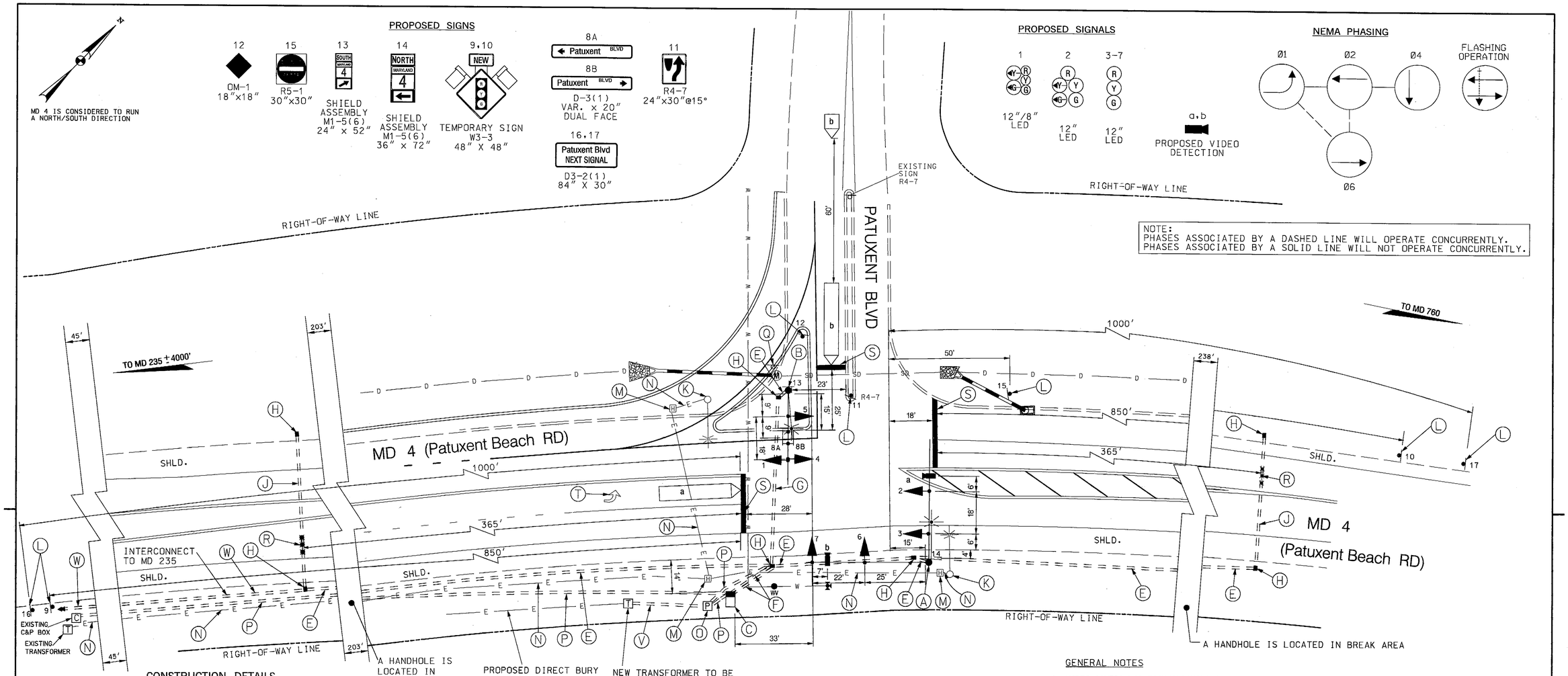

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 AND 50 FT. MAST ARMS SIGNAL HEADS,SIGN, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

B. INSTALL 27 FT. STEEL POLE WITH A 40 FT. MAST ARM (CUT FROM A 50 FT.) WITH SIGNAL HEADS, AND SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).

E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

H. INSTALL HANDHOLE.

J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

K. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

L. INSTALL GROUND MOUNTED AS SHOWN ON PLANS.

M. REMOVE EXISTING LIGHTING HANDHOLE.

N. CAP AND ABANDON EXISTING CONDUIT FOR STREET LIGHTS.

O. INSTALL METERED SERVICE PEDESTAL FOR (UNDERGROUND) ELECTRICAL SERVICE.

P. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

Q. REMOVE GROUND MOUNTED SIGN (R1-1) UPON COMPLETION OF THE SIGNAL.

R. INSTALL (NON-INVASIVE) MIRCO-LOOP PROBE (SET OF 3).

S. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

T. REMOVE EXISTING PAVEMENT MARKING SYMBOL BY GRINDING.

U. USE EXISTING LIGHTING HANDHOLE.

CONSTRUCTION DETAILS CONT.

V. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT WITH PULL STRING FOR AN UNDERGROUND ELECTRICAL SERVICE.

W. 3 IN. PVC CONDUIT TRENCHED. SEE INTERCONNECT PLANS.

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
D — DITCH

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. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD -SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT 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.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

NOTE

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF APPROVAL.SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A RE-REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

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"Merging Innovation and Excellence"®

APPROVALS
TEAM LEADER 11/15/2010
ASST. DIV. CHIEF 11/18/10
DIVISION CHIEF 11/18/10 for M. Taylor
OFFICE DIRECTOR 11/19/10

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

MD 4 (PATUXENT BEACH RD) AT PATUXENT BLVD

CALIFORNIA, MD

TRAFFIC SIGNAL INSTALLATION PLAN

SCALE 1" = 20' DATE NOVEMBER 10, 2010 CONTRACT NO. BW996M82

DESIGNED BY M. A. MEARS
DRAWN BY M. A. MEARS/JES
CHECKED BY
F.A.P. NO. N/A
COUNTY ST. MARY'S
LOGMILE 18000406.83
TIMS NO. I-912
TOD NO.

TS NO. 4672 | DRAWING - OF | SHEET NO. 1 OF 4

PLOTTED: Wednesday, November 10, 2010 AT 01:44 PM
FILE: F:\1999\1999-0717A\Dos\p3G-P001_MD4@Patuxent.dgn

BY: JStarck