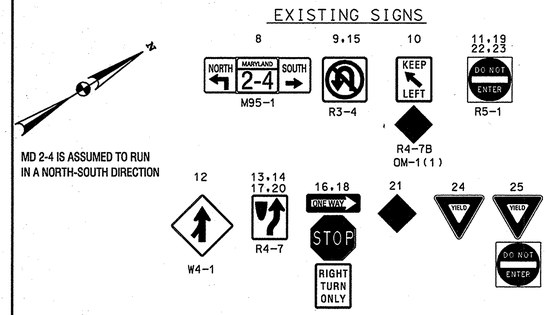
EXISTING SIGNS

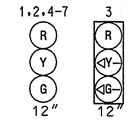


MD 2-4 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

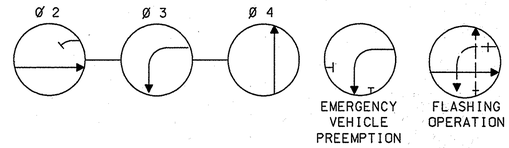
PROPOSED SIGNALS

OPTICOM DETECTOR EYE

EXISTING SIGNALS

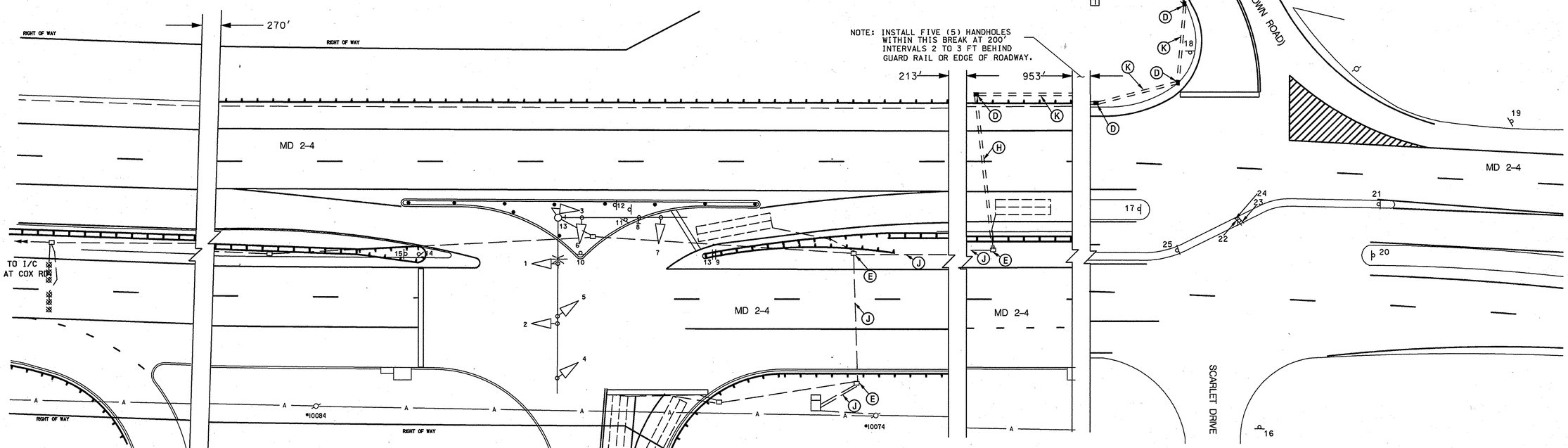


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
3. PHASE 3 SHALL ALWAYS PROCEED PHASE 4.



NOTE: INSTALL FIVE (5) HANDHOLES WITHIN THIS BREAK AT 200' INTERVALS 2 TO 3 FT BEHIND GUARD RAIL OR EDGE OF ROADWAY.

CONSTRUCTION DETAILS

Ⓐ INSTALL 27 FOOT STEEL POLE (CUT TO 21 FEET, CLEAN, GALVANIZE AND CAP) WITH 38 FOOT MAST ARM (CUT TO 28 FEET, CLEAN, GALVANIZE AND CAP), "G" POLE MOUNTED CABINET WITH OPTICOM DISCRIMINATOR MODULE AND SPECIAL RELAY PACKAGE, AND OPTICOM DETECTOR EYE. (NOTE: 2-2 IN. AND 1-4" PVC CONDUIT BENDS).

Ⓑ INSTALL METERED SERVICE PEDESTAL FOR ELECTRICAL UTILITY SERVICE EQUIPMENT AS SHOWN.

Ⓒ INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) STUBBED AT BASE OF UTILITY POLE FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.

CONSTRUCTION DETAILS (CONTD)

Ⓓ INSTALL ELECTRICAL HANDHOLE.

Ⓔ USE EXISTING ELECTRICAL ELECTRICAL HANDHOLE.

Ⓕ INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) STUBBED AT BASE OF UTILITY POLE.

Ⓖ INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

Ⓗ INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.

Ⓙ USE EXISTING ELECTRICAL CONDUIT.

Ⓚ INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR.
4. 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 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

GENERAL NOTES (CONTD)

5. UNDERGROUND 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 THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

[1] RELOCATE PROPOSED POWER FEED DUE TO UTILITY CONFLICTS
TEDD APPROVAL RED-LINE
#1 8/15/2007 8/20/2007

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

MD 2/4 AT HUNTINGTOWN HIGH SCHOOL

INSTALLATION OF OPTICOM EMERGENCY VEHICLE PREEMPTION

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

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410-747-3420

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
APPROVAL ON FILE

REVISIONS
Ⓐ 5/1/2007
INSTALLATION OF OPTICOM DETECTOR SHA# AT9365185
HD AP

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE JULY 2007 CONTRACT NO. BW996M82

DESIGNED BY
DRAWN BY M. HOWELL
CHECKED BY T. ZAYDEL
FAP NO.
COUNTY CALVERT
LOGMILE 04000224.63
TIMS NO. 1257
TOD NO.

TS NO. 4188A DRAWING TS-1 OF 1 SHEET NO. 1 OF 2

PLOTTED: Monday, August 20, 2007 AT 08:28 AM
FILE: C:\Documents and Settings\wstroud\Local Settings\Temporary Internet Files\OLK78\I257GP01.dgn

BY: wstroud