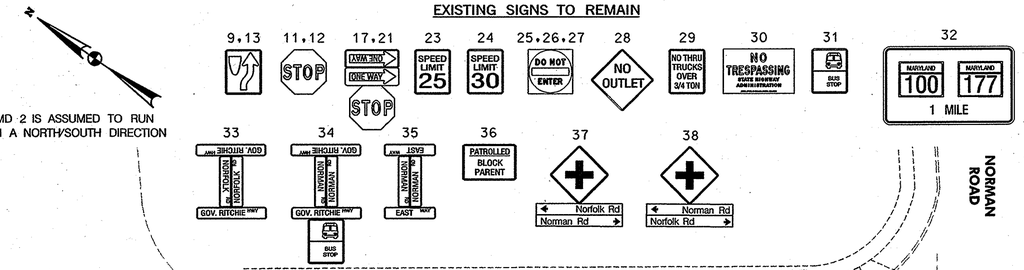
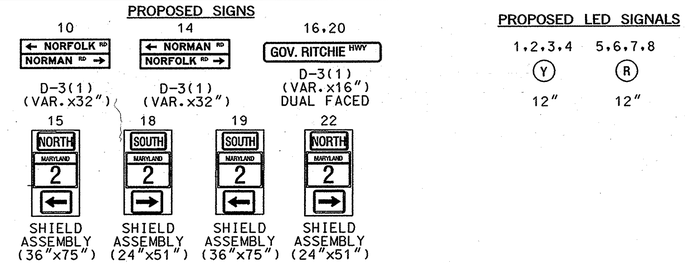
EXISTING SIGNS TO REMAIN



PROPOSED SIGNS

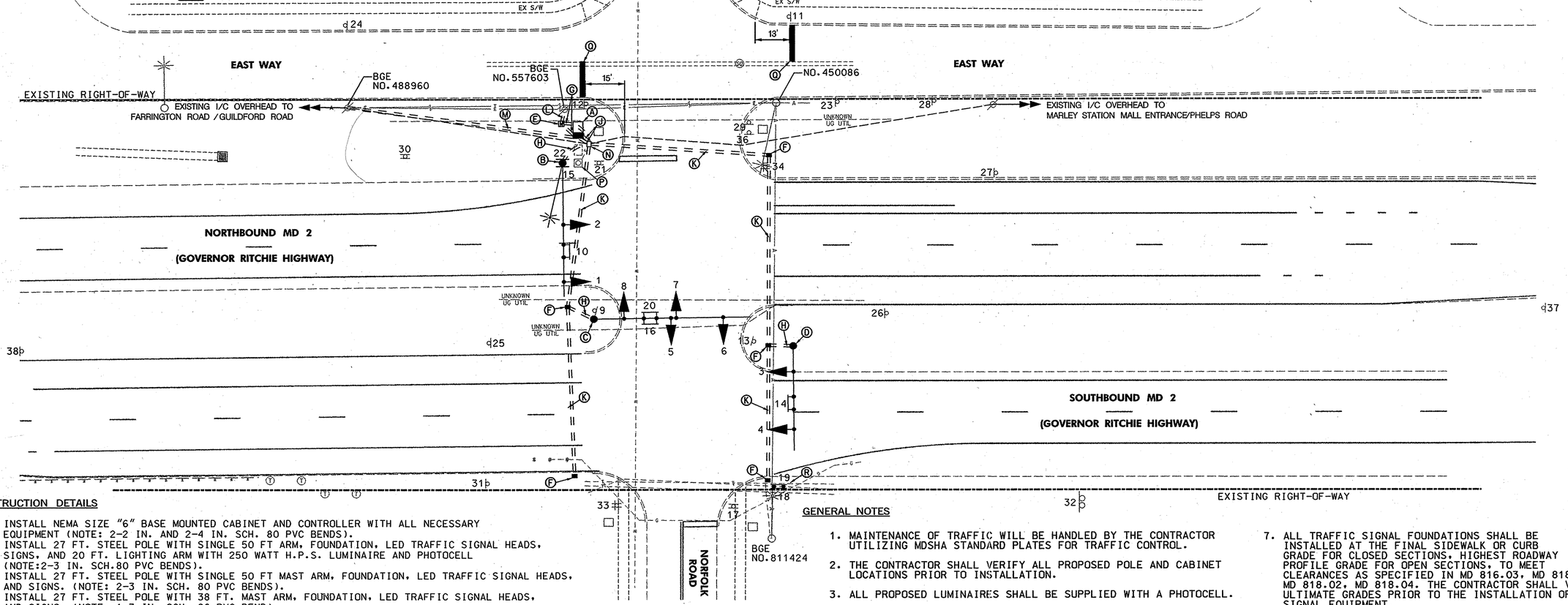


PROPOSED LED SIGNALS

NEMA PHASING

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. SCH. 80 PVC BENDS).
B. INSTALL 27 FT. STEEL POLE WITH SINGLE 50 FT ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGNS, AND 20 FT. LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE:2-3 IN. SCH.80 PVC BENDS).
C. INSTALL 27 FT. STEEL POLE WITH SINGLE 50 FT MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, AND SIGNS. (NOTE: 2-3 IN. SCH. 80 PVC BENDS).
D. INSTALL 27 FT. STEEL POLE WITH 38 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, AND SIGNS. (NOTE: 1-3 IN. SCH. 80 PVC BEND).
E. INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. AND 1-4 IN. SCH. 80 PVC BENDS).
F. INSTALL ELECTRICAL HANDHOLE.
G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
M. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED PHONE DROP. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
N. USE EXISTING HANDHOLE
P. DISCONNECT, PULLBACK AND REROUTE EXISTING INTERCONNECT CABLE SPLICE INTO PROPOSED CONTROLLER CABINET. REMOVE AND DISPOSE OF EXISTING INTERCONNECT SPLICE CABINET AND CONCRETE PAD, AND ABANDON CONDUIT (CAP AT NEAREST HANDHOLE).
Q. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
R. INSTALL GROUND MOUNTED SIGNS ON (2) 4 IN. X 4 IN. WOOD SUPPORTS.

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. THE SHA SIGNAL SHOP SHALL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
5. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
7. 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.
8. SEE GENERAL INFORMATION SHEET FOR PROPOSED SIGNAL POLE, TRAFFIC SIGNAL HEAD, AND OVERHEAD SIGN LAYOUTS.

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — SD STORM DRAIN
G — G GAS MAIN
W — W WATER MAIN
S — S SEWER MAIN
E — E ELECTRIC CABLES
A — A AERIAL CABLES
T — T TELEPHONE CABLES
F — F FIBER-OPTIC

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

APPROVALS
TEAM LEADER 7/2007
ASST. DIV. CHIEF 7-3-07
DIVISION CHIEF 7/3/07
OFFICE DIRECTOR 7/5

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 AT NORFOLK RD /NORMAN ROAD
INTERSECTION CONTROL BEACON INSTALLATION

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 6/2007 CONTRACT NO. AT9155185
DESIGNED BY P. WESTCOTT COUNTY ANNE ARUNDEL
DRAWN BY P. WESTCOTT LOGMILE 02000235.00
CHECKED BY B. BIDDLE TIMS NO. 1125
FAP NO. TOD NO.
TS NO. 4589 DRAWING – OF SHEET NO. 1 OF 2

FLOTTED: Friday, June 15, 2007 AT 09:13 AM
FILE: P:\SHA\MD 2\MD2_at_Norman\Rd\2007-06\gSG-P001_MD2.dgn

BY: phil