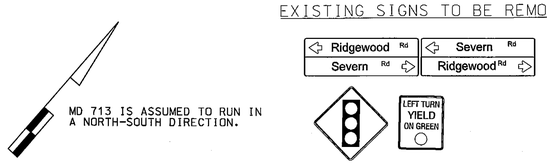
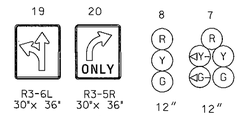
EXISTING SIGNS TO BE REMOVED

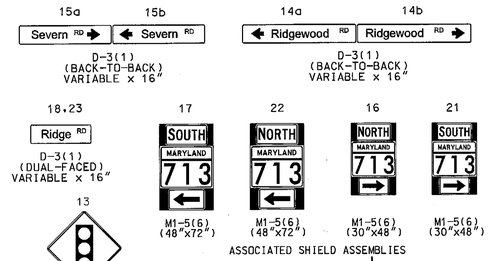


MD 713 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

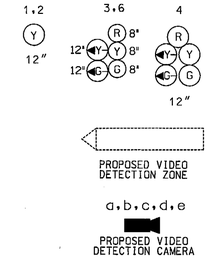
EXISTING SIGNS AND SIGNALS



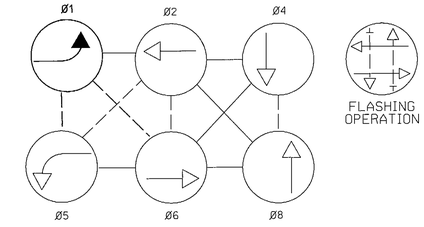
PROPOSED SIGNS



PROPOSED LED SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. INSTALL STEEL POLE WITH 50' MAST ARM, LED SIGNAL HEADS, VIDEO DETECTION CAMERAS, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND LAMP (NOTE: 1-3" SCHEDULE 80, 90° PVC BEND).

B. INSTALL STEEL POLE WITH 50' MAST ARM, LED SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGN (NOTE: 1-3" SCHEDULE 80, 90° PVC BEND).

C. USE EXISTING STEEL POLE AND MAST ARMS; REMOVE THE R10-12 SIGN AND THE NON-LED SIGNAL HEADS. INSTALL LED SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERAS. INSTALL A NEW 3" SCHEDULE 80, 90° PVC BEND AND RETROFIT THE FOUNDATION BASE. REMOVE ALL UNUSED CABLES FROM THE INSIDE OF THE POLE.

D. INSTALL ELECTRICAL HANDHOLE.

E. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.

F. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED

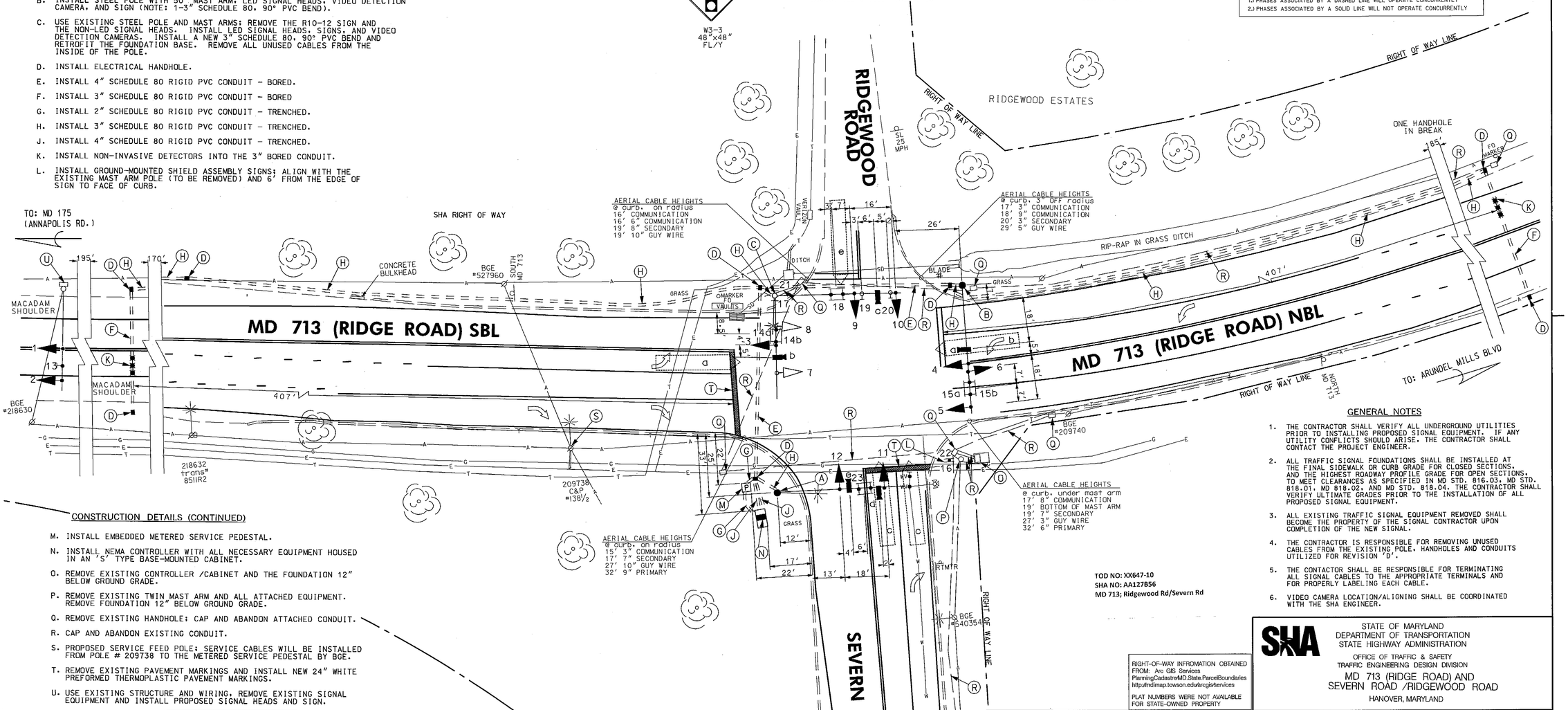
G. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

H. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

J. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

K. INSTALL NON-INVASIVE DETECTORS INTO THE 3" BORED CONDUIT.

L. INSTALL GROUND-MOUNTED SHIELD ASSEMBLY SIGNS; ALIGN WITH THE EXISTING MAST ARM POLE (TO BE REMOVED) AND 6' FROM THE EDGE OF SIGN TO FACE OF CURB.



CONSTRUCTION DETAILS (CONTINUED)

M. INSTALL EMBEDDED METERED SERVICE PEDESTAL.

N. INSTALL NEMA CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN AN 'S' TYPE BASE-MOUNTED CABINET.

O. REMOVE EXISTING CONTROLLER /CABINET AND THE FOUNDATION 12" BELOW GROUND GRADE.

P. REMOVE EXISTING TWIN MAST ARM AND ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GROUND GRADE.

Q. REMOVE EXISTING HANDHOLE; CAP AND ABANDON ATTACHED CONDUIT.

R. CAP AND ABANDON EXISTING CONDUIT.

S. PROPOSED SERVICE FEED POLE; SERVICE CABLES WILL BE INSTALLED FROM POLE # 209738 TO THE METERED SERVICE PEDESTAL BY BGE.

T. REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL NEW 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.

U. USE EXISTING STRUCTURE AND WIRING, REMOVE EXISTING SIGNAL EQUIPMENT AND INSTALL PROPOSED SIGNAL HEADS AND SIGN.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING UNUSED CABLES FROM THE EXISTING POLE, HANDHOLES AND CONDUITS UTILIZED FOR REVISION 'D'.
5. THE CONTACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND FOR PROPERLY LABELING EACH CABLE.
6. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.

RIGHT-OF-WAY INFROMATION OBTAINED FROM: Arc GIS Services PlanningCadastreMD.State.ParcelBoundaries http://mdimap.towson.edu/arcgis/services

PLAT NUMBERS WERE NOT AVAILABLE FOR STATE-OWNED PROPERTY

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

MD 713 (RIDGE ROAD) AND SEVERN ROAD /RIDGEWOOD ROAD
HANOVER, MARYLAND

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE —A—A—
ELECTRIC —E—E—
TELEPHONE —T—T—
GAS —G—G—
SEWER —S—S—
WATER —W—W—
CABLE TV —TV—TV—

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

REVISIONS
D RECONST. CAMERAS, NB & P, NON-INVASIVE DETEC., NEW SER. & CONT./CABINET SHA# XX647/0B5, TMS MD X715 OCT. 2011
C ADD 6-P LT ON SB MD 713, MD 713 ADD PROBES ON MAINLINE 8-21-2000
B ASBUILT 10-26-1990
RRZ
LMG

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE 5-17-1990	CONTRACT NO. AA-491-495-585	
DESIGNED BY W. MALCOM		COUNTY ANNE ARUNDEL	
DRAWN BY W. MALCOM		LOGMILE 02071303.40	
CHECKED BY G. SIMMERS		TIMS NO.	
F.A.P. NO. BTO# 5-90-012		TOD NO.	
TS NO. 2631D	DRAWING SG-01 OF 2	SHEET NO. 1 OF 2	

PLOTTED: Monday, October 10, 2011 AT 05:16 PM
FILE: S:\2010\Transportation\101195.45 MD 713 at Ridgewood Road_Severn Road\CADD\ACAD SheetSets\mSG-P001_MD 713 Ridgewood Rd.dgn

BY: emilesky -