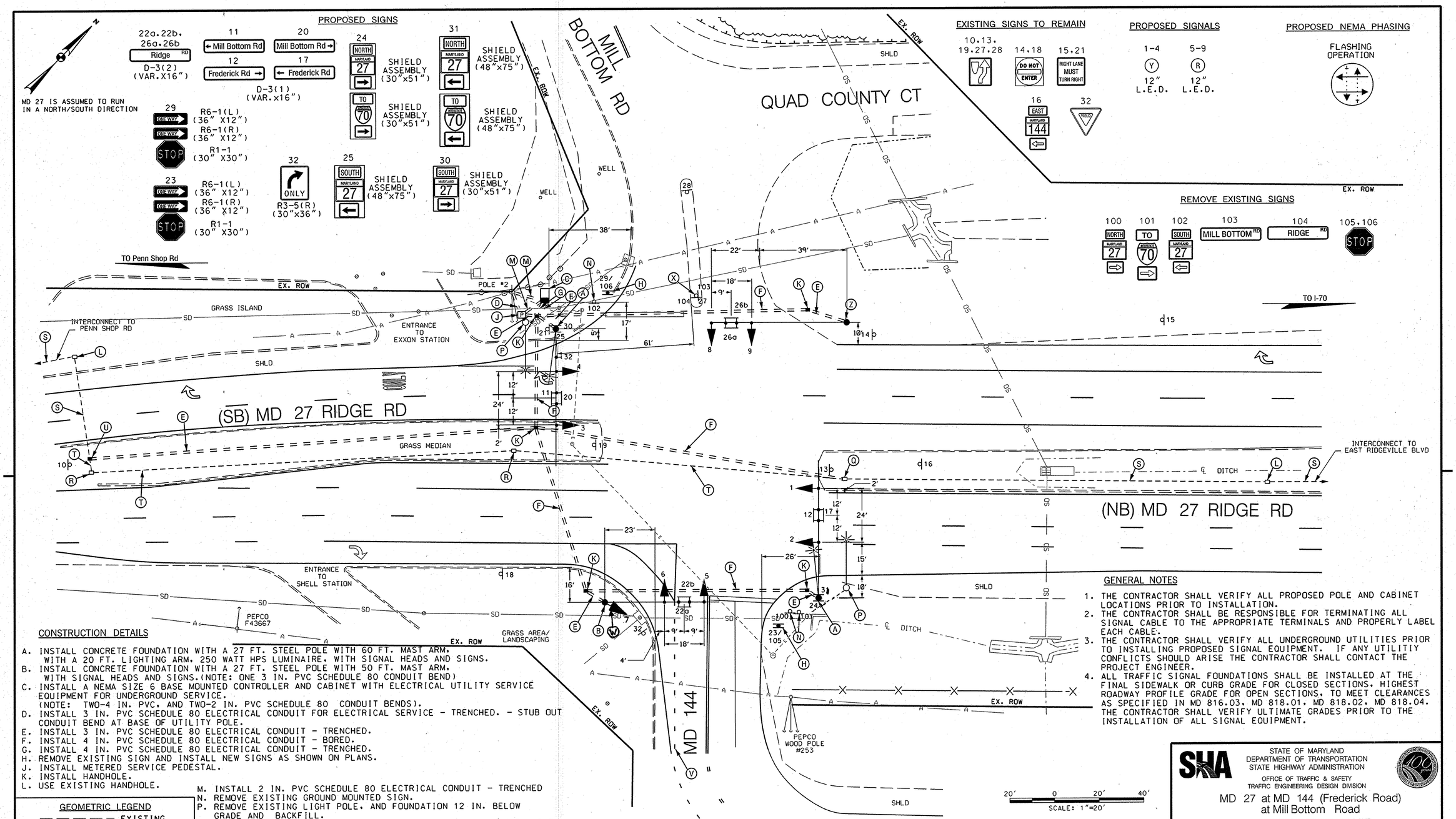

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARM. WITH A 20 FT. LIGHTING ARM. 250 WATT HPS LUMINAIRE. WITH SIGNAL HEADS AND SIGNS.
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARM. WITH SIGNAL HEADS AND SIGNS.(NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. - STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
H. REMOVE EXISTING SIGN AND INSTALL NEW SIGNS AS SHOWN ON PLANS.
J. INSTALL METERED SERVICE PEDESTAL.
K. INSTALL HANDHOLE.
L. USE EXISTING HANDHOLE.
M. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
N. REMOVE EXISTING GROUND MOUNTED SIGN.
P. REMOVE EXISTING LIGHT POLE. AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
Q. DISCONNECT. PULL BACK AND REROUTE EXISTING INTERCONNECT CABLE TO NEW CABINET.
R. REMOVE EXISTING HANDHOLE.
S. USE EXISTING CONDUIT.
T. CAP AND ABANDON EXISTING CONDUIT.
U. INSTALL HANDHOLE ON EXISTING CONDUIT.
V. INSTALL 5 IN. HEAT APPLIED. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS. SKIPPED 2'-6'
W. INSTALL NEARSIDE SIGNAL HEAD 18 FT. ON SIGNAL POLE.
X. REMOVE EXISTING STREET NUMBER SIGNS AT NO. 103 & 104 AND ADJUST EXISTING R4-7 NO. 27 UP AND MOUNT AT 15°.
Z. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARM. WITH SIGNAL HEADS AND SIGNS.(NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
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. MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

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

MD 144

TOD NO:AX142-14M
SHA NO:FR552A55/B55
MD 27@MD 144/MILL BOTTOM RD

BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9220 Rumsey Road; Suite 110
Columbia, Maryland 21045
Phone 410-884-3607
www.brudis.com

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

MD 27 at MD 144 (Frederick Road) at Mill Bottom Road

FREDERICK COUNTY, MARYLAND

APPROVALS
TEAM LEADER 2/21/07
ASST. DIV. CHIEF 2/21/08
DIVISION CHIEF 2/26/08
OFFICE DIRECTOR 2/29

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 1-18-08 CONTRACT NO. AX1425185

DESIGNED BY M.H.
DRAWN BY M.H.
CHECKED BY R.J.M. CSW
F.A.P. NO. AC-STPG-NHG-000A (212) E
COUNTY FREDERICK
LOGMILE 10002700.14
TIMS NO. 1630
TOD NO.

TS NO. 4635 DRAWING – OF SHEET NO. 1 OF 2

PLOTTED: Monday, February 18, 2008 AT 07:57 AM
FILE: P:\04-005 Signals\MD 27 @ MD 144\Drawings\CADD\Working\pSG-P001_MD27.dgn

BY: Robert