MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED LED SIGNALS

1,2,3,4	5,6,7,8
Y	R
12"	12"

EXISTING SIGNS TO REMAIN

13,19

STOP

PROPOSED SIGNS

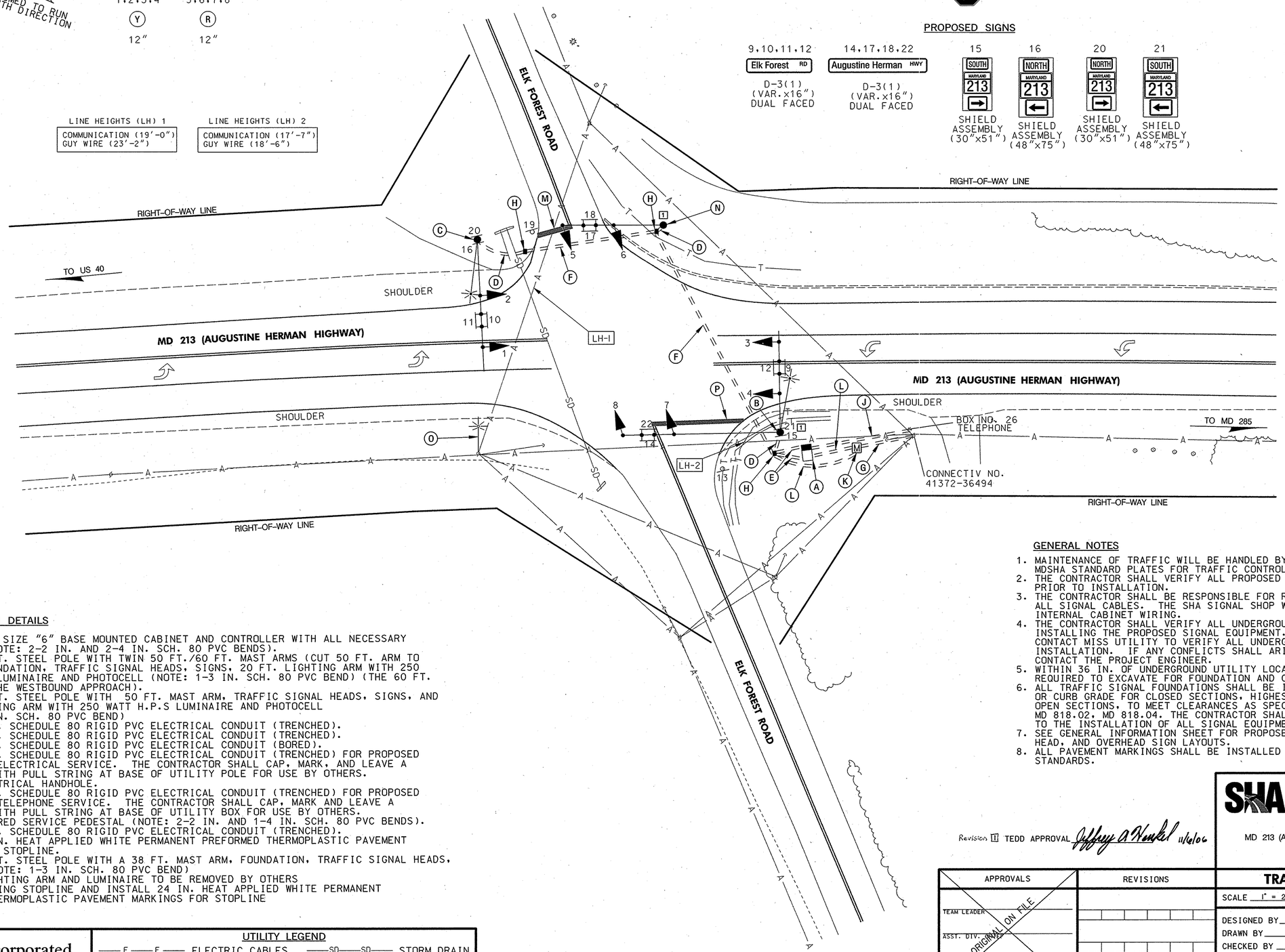
9,10,11,12	14,17,18,22	15	16	20	21
Elk Forest RD	Augustine Herman HWY	SOUTH MARYLAND 213	NORTH MARYLAND 213	NORTH MARYLAND 213	SOUTH MARYLAND 213
D-3(1) (VAR.x16") DUAL FACED	D-3(1) (VAR.x16") DUAL FACED	SHIELD ASSEMBLY (30"x51")	SHIELD ASSEMBLY (48"x75")	SHIELD ASSEMBLY (30"x51")	SHIELD ASSEMBLY (48"x75")

FLASHING OPERATION

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

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

LINE HEIGHTS (LH) 1	LINE HEIGHTS (LH) 2
COMMUNICATION (19'-0")	COMMUNICATION (17'-7")
GUY WIRE (23'-2")	GUY WIRE (18'-6")



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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION. IF ANY CONFLICTS SHALL ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
6. 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.
7. SEE GENERAL INFORMATION SHEET FOR PROPOSED SIGNAL POLE, TRAFFIC SIGNAL HEAD, AND OVERHEAD SIGN LAYOUTS.
8. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.

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 TWIN 50 FT./60 FT. MAST ARMS (CUT 50 FT. ARM TO 38 FT.), FOUNDATION, TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. SCH. 80 PVC BEND) (THE 60 FT. ARM IS FOR THE WESTBOUND APPROACH).
C. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, AND 20 FT. LIGHTING ARM WITH 250 WATT H.P.S LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. SCH. 80 PVC BEND)
D. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
E. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
F. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
G. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
H. INSTALL ELECTRICAL HANDHOLE.
J. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY BOX FOR USE BY OTHERS.
K. INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. AND 1-4 IN. SCH. 80 PVC BENDS).
L. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
M. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
N. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, AND SIGNS (NOTE: 1-3 IN. SCH. 80 PVC BEND)
O. EXISTING LIGHTING ARM AND LUMINAIRE TO BE REMOVED BY OTHERS
P. REMOVE EXISTING STOPLINE AND INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE

STV Incorporated
engineers/architects/planners/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND

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

BY: THOMPSMA

Revision 1 TEDD APPROVAL Jeffrey A Henkel 11/6/06

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	1 ADDED UTILITIES AND SHIFTED SIGNAL POLES ACCORDINGLY
OFFICE DIRECTOR	

ORIGINAL ON FILE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 213 (AUGUSTINE HERMAN HIGHWAY) AT ELK FOREST ROAD

BRANTWOOD, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 11/2006 CONTRACT NO. AT9095185

DESIGNED BY MCG COUNTY CECIL
DRAWN BY MCG LOGMILE 07021314.95
CHECKED BY BAB T.I.M.S. NO. H571
F.A.P. NO. TOD NO.

DRAWING NO. TS - 4467 SHEET NO. 1 OF 2

PLOTTED: FRIDAY, NOVEMBER 03, 2006 AT 03:25 PM
FILE: I:\PROJECTS\0312913\0312913_0026\DRAWINGS\TRA\PSG-P000_M213.DGN