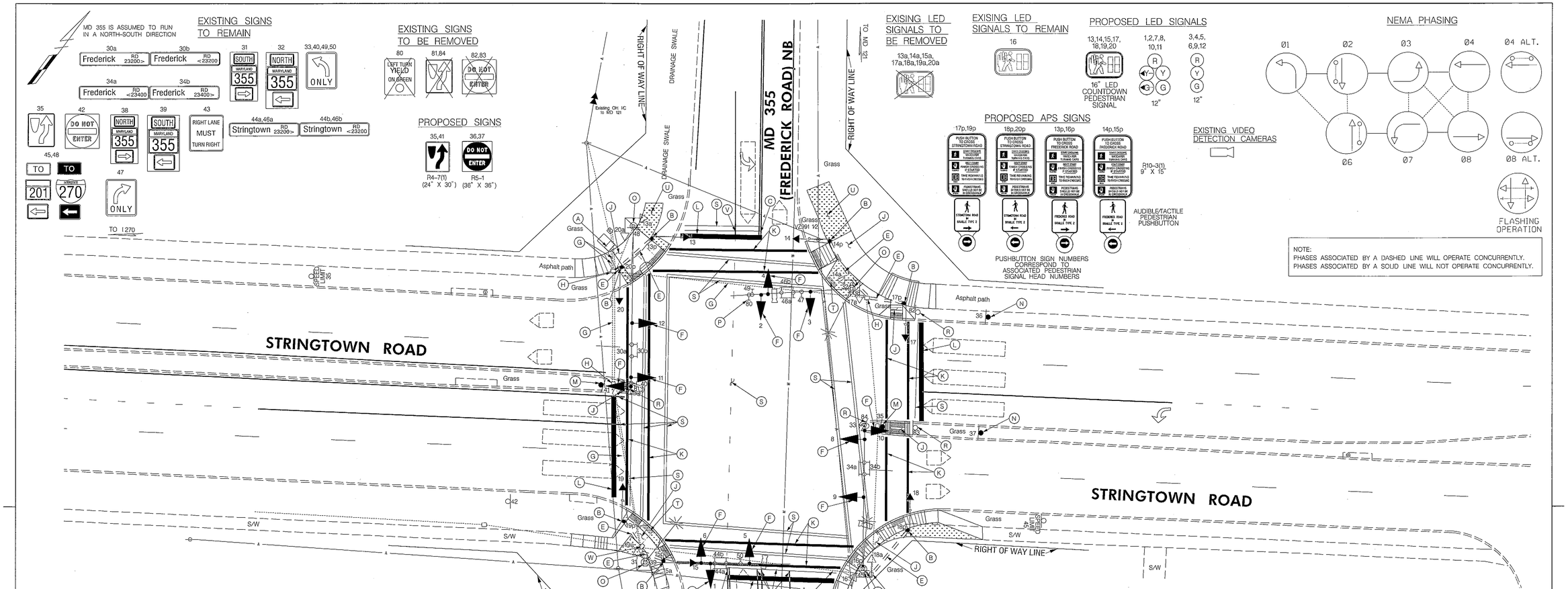

CONSTRUCTION DETAILS
MD 355 AT STRINGTOWN ROAD

A. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT IN EXISTING CABINET.
B. INSTALL 10 FOOT PEDESTAL POLE WITH BREAKAWAY COUPLINGS PER MD 801.01-01, PEDESTRIAN SIGNAL HEAD, AND AUDIBLE PUSHBUTTON STATION (NOTE: USE MODIFIED FOUNDATION PER MD 801.01 WITH 1-2" SCHEDULE 80 90° PVC BEND.)
C. EXTEND EXISTING CENTER LINE TO PROPOSED STOPLINE USING 5 INCH YELLOW PREFORMED THERMOPLASTIC MARKING MATERIAL.
D. REMOVE PEDESTRIAN SIGNAL FOR STRINGTOWN ROAD CROSSING ONLY. REMOVE EXISTING PUSHBUTTON AND PEDESTRIAN INSTRUCTIONS SIGN. INSTALL APS PUSHBUTTON STATION AND SIGN.
E. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED.
F. EXISTING BLACK SIGNAL HEAD HOUSING TO REMAIN, RETROFIT WITH NEW LED MODULES.
G. USE EXISTING CONDUIT.
H. USE EXISTING HANDHOLE.
J. SEE DRAWING SG-02 FOR PEDESTRIAN FACILITIES.
K. INSTALL CROSSWALK WITH 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL, AS SHOWN.
L. INSTALL STOP LINE WITH 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL, AS SHOWN.
M. INSTALL GROUND MOUNTED SIGN ON 4 INCH X 4 INCH WOOD POST.
N. INSTALL GROUND MOUNTED SIGN ON 4 INCH X 6 INCH WOOD POST.
O. REMOVE ALL PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, RELATED WIRING AND PEDESTRIAN INSTRUCTIONS SIGN FROM SIGNAL POLE.
P. REMOVE MAST ARM MOUNTED SIGN.
R. REMOVE GROUND MOUNTED SIGN AND SUPPORT.
S. REMOVE EXISTING PAVEMENT MARKING LINE.
T. REMOVE EXISTING PEDESTRIAN RAMP.
U. REMOVE EXISTING ASPHALT PATH, SEE DRAWING SG-2 FOR ADDITIONAL DETAILS.
V. EXTEND LANE LINE TO PROPOSED STOPLINE USING 5 INCH WHITE PREFORMED PAVEMENT MARKING MATERIAL.
W. ADJUST HANDHOLE TO GRADE AND REPLACE FRAME AND AND COVER.

GENERAL NOTES

1. ALL MODIFICATIONS TO THE EXISTING SIGNAL CABINET AND CONTROLLER WILL BE DONE BY MONTGOMERY COUNTY TRAFFIC SIGNAL.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINAL AND PROPERLY LABELING EACH CABLE.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. IF UTILITY CONFLICTS ARISE, THE CONTRACTOR SHALL CONTACT THE SHA ENGINEER.
7. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
8. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 INCHES FROM A FIVE FOOT X FIVE FOOT LEVEL LANDING AREA WITH A CROSS SLOPE NO GREATER THAN 2%.
9. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTON MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2, AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED AND APPROVED BY THE DIRECTOR OF THE OFFICE OF TRAFFIC AND SAFETY.
10. THE 10' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON ONLY.

GEOMETRIC LEGEND
EXISTING
PROPOSED

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

WAE Williams Associates Engineers
Williams Associates-Engineers, P.A.
777 State Route 3 N, Suite D
Gambrills, Maryland 21054
Phone: 410-729-1004
Facsimile: 410-729-1009

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

REVISIONS
A UPGRADE EXISTING PEDESTRIAN SIGNALS TO APS, ADA RAMPS, INSTALL LED SIGNAL HEAD MODULES. XX1515185 TIMS L712 03-2013 WAE

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

MD 355 (FREDERICK ROAD)
AND STRINGTOWN ROAD
CLARKSBURG, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 030905 CONTRACT NO. SHA 500403

DESIGNED BY S. RENZI
DRAWN BY S. SMITH
CHECKED BY
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15035522.64
TIMS NO.
TOD NO.

TS NO. 4325 A | DRAWING SG – 1 OF 3 | SHEET NO. 1 OF 3

PLOTTED: Friday, March 15, 2013 AT 04:50 PM
FILE: \\Server02\wae files\01_Project\061_TEDD-BA\01_Task Work\051_0111_Task11 – MD355-Stringtown\061_011102_Analysis\CADD\pSG-P001_MD355_Stringtown.dgn

BY: mhusselbee