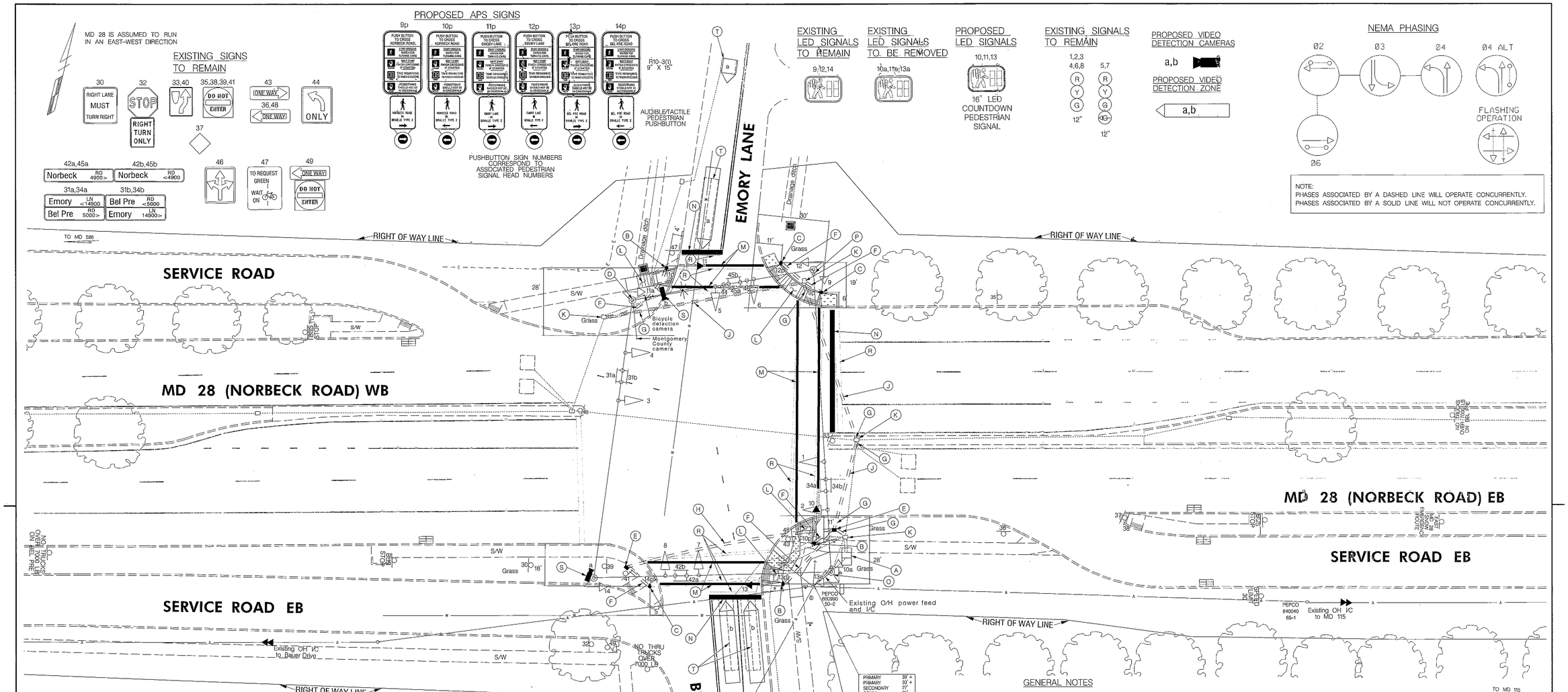

CONSTRUCTION DETAILS MD 28 AT EMORY LANE/BEL PRE ROAD

A. INSTALL 2-WIRE CENTRAL CONTROL UNIT FOR APS/CPS, AND VIDEO DETECTION INTERFACE EQUIPMENT, 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. INSTALL 10 FOOT PEDESTAL POLE CUT TO 5 FOOT WITH BREAKAWAY COUPLINGS PER MD 801.01-01, AND AUDIBLE PUSHBUTTON STATION AND SIGNS (NOTE: USE MODIFIED FOUNDATION PER MD 801.01 WITH 1-2" SCHEDULE 80 90° PVC BEND.)
D. REMOVE PEDESTRIAN SIGNAL HEAD AND RELATED WIRING, REMOVE EXISTING LIGHTING ARM, INSTALL 20' LIGHTING ARM WITH LED LUMINAIRE ON EXISTING STRAIN POLE. (NOTE: SHA ENGINEER TO COORDINATE THE REMOVAL AND REINSTALLATION OF MONTGOMERY COUNTY CAMERA.)
E. INSTALL ELECTRICAL HANDHOLE.
F. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED.
G. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED.
H. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT – BORED.
J. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT – SLOTTED.
K. USE EXISTING HANDHOLE.
L. SEE DRAWING SG-2 FOR PEDESTRIAN FACILITIES.
M. INSTALL CROSSWALK WITH 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL, AS SHOWN.
N. INSTALL STOP LINE WITH 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL, AS SHOWN.
O. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, AND PEDESTRIAN INSTRUCTIONS SIGNS FROM SIGNAL POLE.
P. ~~REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND SIGN FROM~~ SIGNAL POLE.
R. REMOVE EXISTING PAVEMENT MARKING LINE.
S. INSTALL VIDEO DETECTION CAMERA.
T. ABANDON EXISTING VEHICLE DETECTORS

PRIMARY	39' +
PRIMARY	33' +
SECONDARY	27'
COMM	25'
COMM	24'
COMM	22'
COMM	20'

GENERAL NOTES

1. ALL EQUIPMENT NOT DETAILED FOR REMOVAL SHALL REMAIN.
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 SECS. 4E.08 AND 4E.10 AND FIGS. 4E-3 AND 4E-4, 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 & 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

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

APPROVALS	REVISIONS
TEAM LEADER	(A) UPGRADE EXISTING PEDESTRIAN SIGNALS TO APS. ADA RAMPS XY1515195 04-2013 TIMS L803 WAE
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINAL ON FILE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 28 (NORBECK ROAD)
AND EMORY LANE/BEL PRE ROAD
ROCKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 10-3-83 CONTRACT NO. M970-501-371

DESIGNED BY W.R. COUNTY MONTGOMERY
DRAWN BY LOGMILE 15002825.54
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 1926 A | DRAWING SG – 1 OF 3 | SHEET NO. 1 OF 3

PLOTTED: Monday, April 15, 2013 AT 02:37 PM
FILE: \\Server02\wae files\01_Project\051_TEDO-BA\01_Task Work\051_0112_Task12 – MD28-BelPre\051_0112202_Analysis\MD 28 at Emory\CADD\pSG-P001_MD28_Emory_Lane.dgn

BY: mhusselbee