MD 28 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNS TO REMAIN

20 21,28 23a Bullard Circle 23b Bullard Circle 25,27 CENTER LANE ONLY 26,32 SPEED LIMIT 30 PHOTO ENFORCED 30a Laird Street 30b Laird Street 33 STOP HERE ON RED 34 OVER 1 TON

EXISTING SIGNS TO BE REMOVED

80–83 PUSH BUTTON STREET PUSH BUTTON

EXISTING SIGNALS TO REMAIN

9–12 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNALS TO BE REMOVED

1a–8a R Y G 12"

PROPOSED LED SIGNALS

1–8 R Y G 12"

PROPOSED SIGNS

22,29 PUSH BUTTON TO CROSS W. Montgomery Avenue — W. MONTGOMERY AVE IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

24,31 PUSH BUTTON TO CROSS W. Montgomery Avenue — W. MONTGOMERY AVE IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

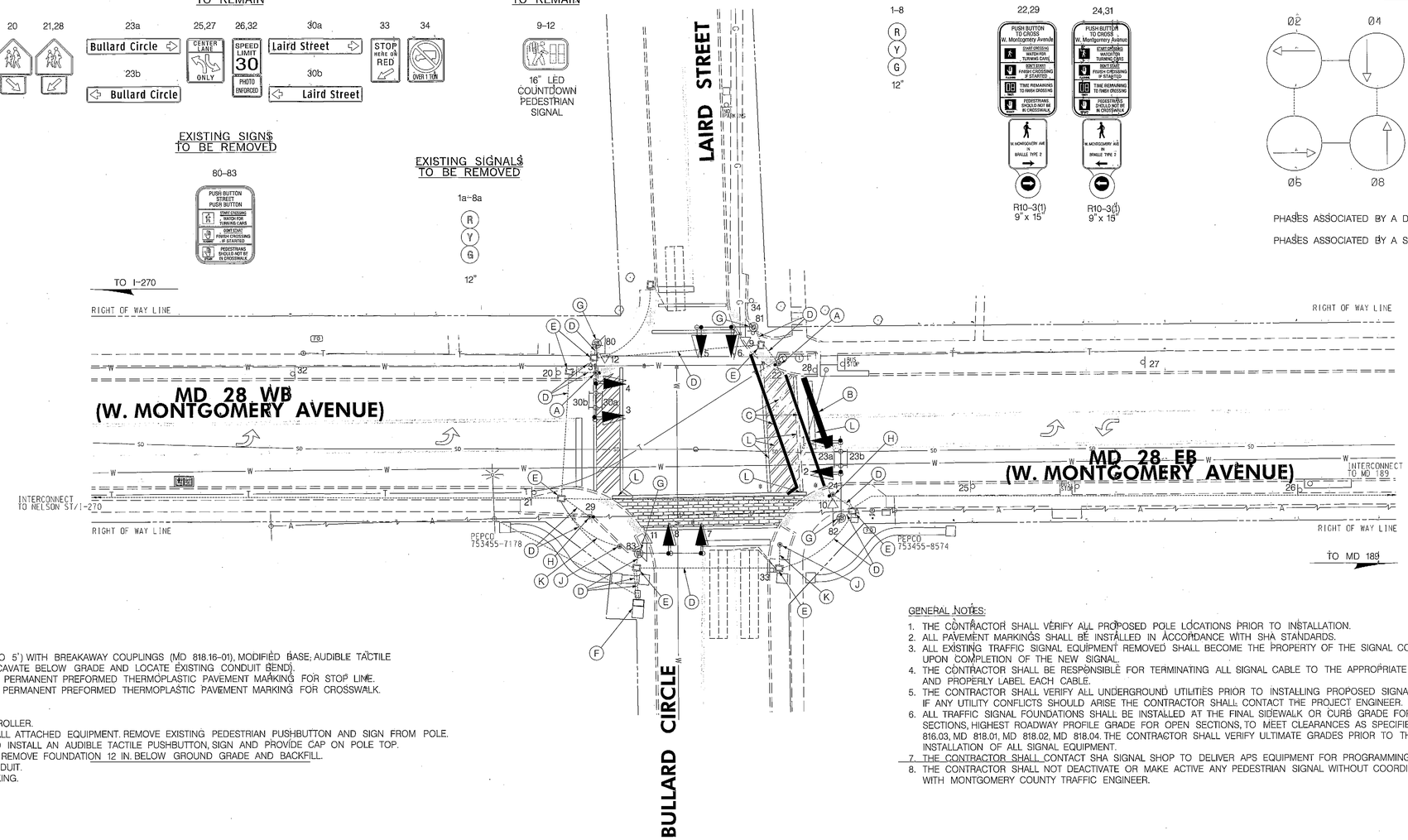
NEMA PHASING

Ø2 Ø4 Ø4 ALT. Ø6 Ø8 Ø8 ALT.

FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS:

A. INSTALL 10' PEDESTAL POLE (CUT TO 5') WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: EXCAVATE BELOW GRADE AND LOCATE EXISTING CONDUIT BEND).
B. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
C. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
D. USE EXISTING CONDUIT.
E. USE EXISTING HANDHOLE.
F. USE EXISTING CABINET AND CONTROLLER.
G. USE EXISTING SIGNAL POLE AND ALL ATTACHED EQUIPMENT. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND SIGN FROM POLE.
H. USE EXISTING PEDESTAL POLE AND INSTALL AN AUDIBLE TACTILE PUSHBUTTON, SIGN AND PROVIDE CAP ON POLE TOP.
J. REMOVE EXISTING PEDESTAL POLE. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
K. CAP AND ABANDON EXISTING CONDUIT.
L. REMOVE EXISTING PAVEMENT MARKING.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
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. THE CONTRACTOR SHALL CONTACT SHA SIGNAL SHOP TO DELIVER APS EQUIPMENT FOR PROGRAMMING.
8. THE CONTRACTOR SHALL NOT DEACTIVATE OR MAKE ACTIVE ANY PEDESTRIAN SIGNAL WITHOUT COORDINATING WITH MONTGOMERY COUNTY TRAFFIC ENGINEER.

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 CABLES

BY: fanyong

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

F 3/13 TIMS-L803 SHA NO. XY1515185
INSTALL APS/CPS
DM
E 2-27-08
ADD AUDIBLE PB TO 3 LEGS. REVISE PM'S
SHA NO. : AT825185 TIMS NO. : E991
RRZ
D 10-26-07
MODIFY SIGNAL DUE TO WIDENING OF BULLARD CIRCLE
SHA NO. : BW966M82 TIMS NO. : I204
RRZ

PLOTTED: Thursday, March 28, 2013 AT 04:19 PM
FILE: P:\09-002 TEDD\Task 111 MD 28 Signals\Drawings\CADD\Working\MD28@Circle\pSIG-PC01_MD28@Circle.dgn

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 28 (W. MONTGOMERY AVENUE) AT
BULLARD CIRCLE/LAIRD STREET
ROCKVILLE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE _____ CONTRACT NO. _____

DESIGNED BY J. CUTRO
DRAWN BY
CHECKED BY
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15002821.74
TIMS NO.
TOD NO.

TS NO. 1334-F | DRAWING SG-1 OF 2 | SHEET NO. 1 OF 3