N

MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNS TO REMAIN

20 AHEAD | 21,27 | 22,30 | 23,28,42 NO TURN ON RED | 24,25 SHARE THE ROAD | 26 PUSH BUTTON TO CROSS ANNAPOLIS ROAD | 29 PUSH BUTTON TO CROSS ANNAPOLIS ROAD | 34,40 PUSH BUTTON TO CROSS SCHOOL ENTRANCE | 37,43 PUSH BUTTON TO CROSS SCHOOL ENTRANCE | 38 WEST MARYLAND 450 | 44 EAST MARYLAND 450

31 EAST MARYLAND 450 | 32,35,39,41 Annapolis RD | 33 WEST MARYLAND 450

EXISTING SIGNALS TO REMAIN

11,12,13 14,15,16 — 16" LED COUNTDOWN

7,8,9,10 — R Y G — 12"

a,b,c,d — EXISTING VIDEO DETECTIONS

EXISTING SIGNALS TO BE RELOCATED

3,6 — R Y G — 12"

PROPOSED LED SIGNALS

2,5 — R Y G — 12"

1,4 — R Y G — 12"/8"

e,f — PROPOSED VIDEO DETECTIONS

PROPOSED SIGNS

36 — ONLY — R3-5R 30"x36"

EXISTING SIGNALS TO BE REPLACED

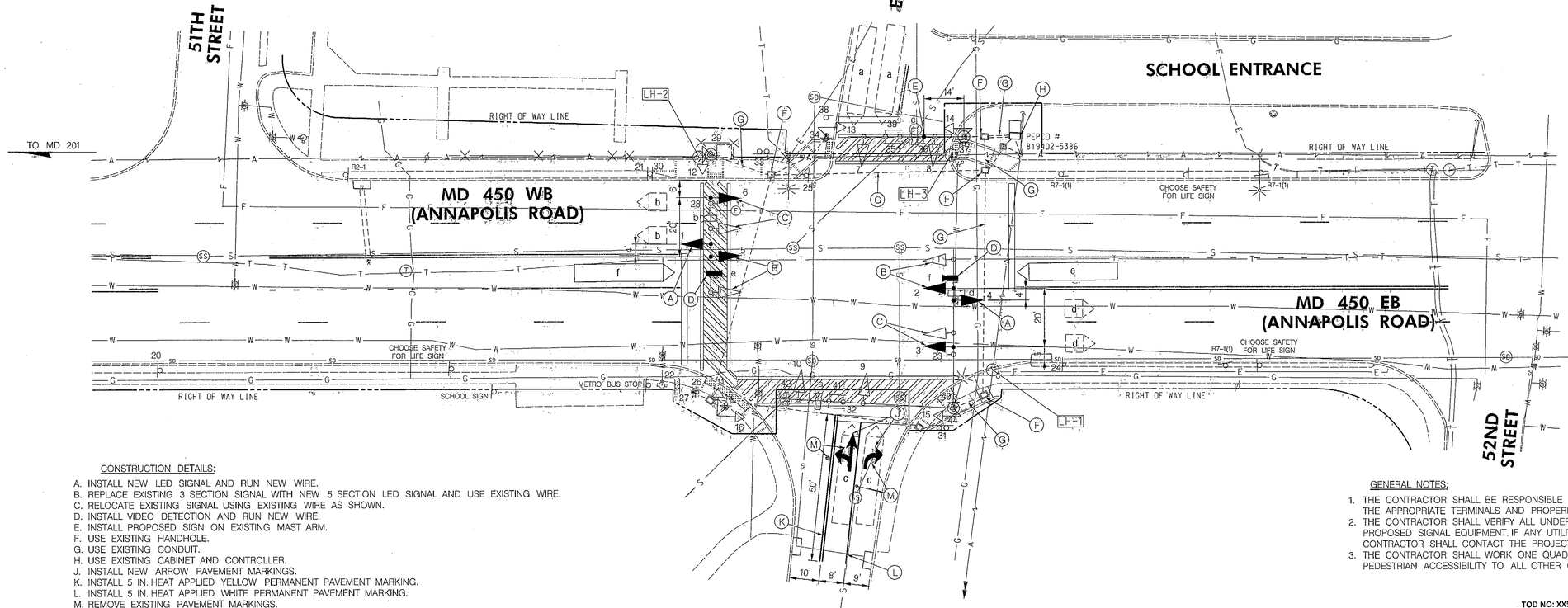
R Y G — 12"

NEMA PHASING

Ø1 | Ø2 | Ø4 | Ø4 ALT.

Ø5 | Ø6 | Ø8 | FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



LINE HEIGHTS (LH) 1	
COMMUNICATION 1	- 22'-0"
COMMUNICATION 2	- 23'-10"
COMMUNICATION 3	- 23'-0"
SPAN WIRE	- 22'-6'
GUY WIRE	- 25'+
PRIMARY	- 35'+

LINE HEIGHTS (LH) 2	
COMMUNICATION 1	- 18'-0"
COMMUNICATION 2	- 20'-0"
COMMUNICATION 3	- 21'-6"
SECONDARY	- 29'-6"
PRIMARY	- 35' +

LINE HEIGHTS (LH) 3	
COMMUNICATION 1	- 18'-10"
COMMUNICATION 2	- 19'-6"
COMMUNICATION 3	- 21'-2"
SECONDARY	- 25'
PRIMARY	- 35' +

CONSTRUCTION DETAILS:

A. INSTALL NEW LED SIGNAL AND RUN NEW WIRE.
B. REPLACE EXISTING 3 SECTION SIGNAL WITH NEW 5 SECTION LED SIGNAL AND USE EXISTING WIRE.
C. RELOCATE EXISTING SIGNAL USING EXISTING WIRE AS SHOWN.
D. INSTALL VIDEO DETECTION AND RUN NEW WIRE.
E. INSTALL PROPOSED SIGN ON EXISTING MAST ARM.
F. USE EXISTING HANDHOLE.
G. USE EXISTING CONDUIT.
H. USE EXISTING CABINET AND CONTROLLER.
J. INSTALL NEW ARROW PAVEMENT MARKINGS.
K. INSTALL 5 IN. HEAT APPLIED YELLOW PERMANENT PAVEMENT MARKING.
L. INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING.
M. REMOVE EXISTING PAVEMENT MARKINGS.

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
2. 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.
3. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.

TOD NO: XX525-02
SHA NO: PG072B52
MD 450 @ Bladensburg Elementary School

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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www.bnc9s.com

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

REVISIONS
B 05/13 TIMS-L540 SHA NO. XX5255185 CHANGE SIGNAL PHASE TO PROVIDE EXCLUSIVE/PERMISSIVE LEFT TURNS
JC MF MLE CJW
A FULL SIGNAL RECONSTRUCTION SHA NO. XX3515168 06/2010
STV MCG

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 450 (ANNAPOLIS ROAD) AT
BLADENSBURG ELEMENTARY SCHOOL
BLADENSBURG, MARYLAND

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE . CONTRACT NO. P-367-385

DESIGNED BY
DRAWN BY D. DODA
CHECKED BY
F.A.P. NO. T-8006(23)
COUNTY PRINCE GEORGE'S
LOGMILE 160045000.59
TIMS NO.
TOD NO.

TS NO. 540-B | DRAWING SG-1 OF 2 | SHEET NO. 1 OF 2

PLOTTED: Monday, May 20, 2013 AT 01:18 PM
FILE: P:\09-002 TEDD\Task 121 MD 450 @ Bladensburg ES\Drawings\CADD\Working\pSG-P001_MD450@BladensburgES.dgn

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