DRILL HOLES

BORDER REV: DATE: June 1, 2004

NOTE: MD 28 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNS

40b W Montgomery AVE <1400
40a W Montgomery AVE 1400>
37a W Montgomery AVE 1300>
37b W Montgomery AVE <1300
21b,29a ⇦ Hurley AVE
21a,29b Hurley AVE ⇨

18 BIKE ROUTE FOLLOWING I-270 BRIDGE
19,27 DO NOT BLOCK INTERSECTION
20,41
28 RIGHT LANE MUST TURN RIGHT AT RESEARCH BLVD
31 SPEED LIMIT 45
33
36 ONLY
45 BIKE ROUTE
26 STATE LAW STOP FOR SCHOOL BUS WHEN RED LIGHTS FLASH
30 WEST MARYLAND 28
22 RIGHT LANE MUST TURN RIGHT AT I-270 SOUTH
25 Crofton Hill Lane / Research Blvd / NEXT SIGNAL
38 WEST MARYLAND 28
42 OVER 1 TON
43
44 AHEAD
23,24 ONE WAY R6-1(R) 36" x 12"
46 R3-2 30" x 30"
47 LEFT LANE MUST TURN LEFT R3-7L 30" x 30"
35 R3-6 30" x 36"
32 EAST MARYLAND 28 — M1-5(6) ASSOCIATED SHIELD ASSEMBLY 30" x 48"
34 WEST MARYLAND 28 — M1-5(6) ASSOCIATED SHIELD ASSEMBLY 48" x 72"
39 EAST MARYLAND 28 — M1-5(6) ASSOCIATED SHIELD ASSEMBLY 48" x 72"

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS W. MONTGOMERY AVE. / START CROSSING WHEN FLASHING WALK / DON'T START CROSSING WHEN FLASHING / IF STARTED THE FLASHING DON'T WALK CROSSING / PEDESTRIANS SHOULD NOT BE IN CROSSWALK / STREET NAME IN BRAILLE TYPE 2
48 WEST MONTGOMERY AVENUE

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS W. MONTGOMERY AVE. / START CROSSING WHEN FLASHING WALK / DON'T START CROSSING WHEN FLASHING / IF STARTED THE FLASHING DON'T WALK CROSSING / PEDESTRIANS SHOULD NOT BE IN CROSSWALK / STREET NAME IN BRAILLE TYPE 2
49 WEST MONTGOMERY AVENUE

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS HURLEY AVENUE / START CROSSING WHEN FLASHING WALK / DON'T START CROSSING WHEN FLASHING / IF STARTED THE FLASHING DON'T WALK CROSSING / PEDESTRIANS SHOULD NOT BE IN CROSSWALK / STREET NAME IN BRAILLE TYPE 2
50 HURLEY AVENUE

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS HURLEY AVENUE / START CROSSING WHEN FLASHING WALK / DON'T START CROSSING WHEN FLASHING / IF STARTED THE FLASHING DON'T WALK CROSSING / PEDESTRIANS SHOULD NOT BE IN CROSSWALK / STREET NAME IN BRAILLE TYPE 2
51 HURLEY AVENUE

52a,52b LEFT TURN YIELD ON GREEN — R10-12 TO BE REMOVED
52c LEFT TURN YIELD ON GREEN OR — R10-12 (MOD) TO BE REMOVED (GROUND MOUNTED)

EXISTING SIGNALS

1-3,6-10, 12,13 — R Y G 12"
11 — R Y G Y G 12"
14-17 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED LED SIGNALS

4,5 — R Y G 12"

NEMA PHASING

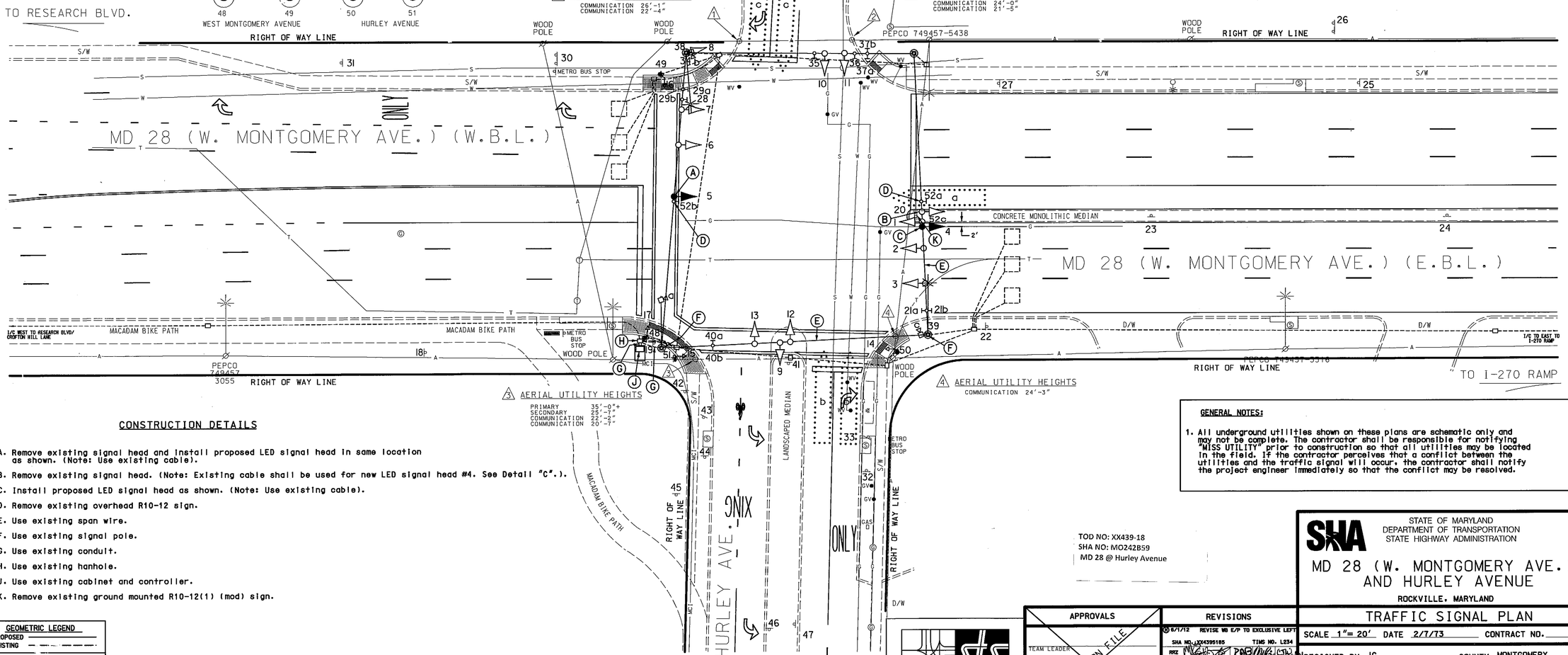
Ø2 Ø4 Ø5 Ø6 Ø8 Ø8 ALT — CONC

FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EXISTING VIDEO DETECTION

VD – VIDEO DETECTION CAMERA, a,b,c



CONSTRUCTION DETAILS

A. Remove existing signal head and install proposed LED signal head in same location as shown. (Note: Use existing cable).
B. Remove existing signal head. (Note: Existing cable shall be used for new LED signal head #4. See Detail "C".).
C. Install proposed LED signal head as shown. (Note: Use existing cable).
D. Remove existing overhead R10-12 sign.
E. Use existing span wire.
F. Use existing signal pole.
G. Use existing conduit.
H. Use existing hanhole.
J. Use existing cabinet and controller.
K. Remove existing ground mounted R10-12(1) (mod) sign.

GENERAL NOTES:
1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A —
ELECTRIC — E —
TELEPHONE — T —
GAS — G —
SEWER — S —
WATER — W —
CABLE TV — TV —

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.N.W.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
6063.dgn T-105

TOD NO: XX439-18
SHA NO: MO242B59
MD 28 @ Hurley Avenue

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

REVISIONS			
10 6/7/12	REVISE WB E/P TO EXCLUSIVE LEFT		
SHA NO. XX439185		TIMS NO. L234	
RRZ			
0 8/10	TIMS NO. K364	SHA NO. XX345168A	
UPGRADE TO APS/CPS AND LEDS			
XM			
F 1/06	TIMS NO. 0580	SHA NO. BCS 3001-04F	
AS BUILT			
RRZ			

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 28 (W. MONTGOMERY AVE.) AND HURLEY AVENUE

ROCKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 2/7/73 CONTRACT NO.

DESIGNED BY JG
DRAWN BY WR
CHECKED BY
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15002820.48
TIMS NO.
TOD NO.

TS NO. 858H | DRAWING NO. 1 OF 2 | SHEET NO. OF

DRILL HOLES

DRILL HOLES

6/7/2012 1:36:54 PM