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

EXISTING SIGNS

18 — BIKE ROUTE / PEDESTRIAN & BICYCLE BRIDGE
19,22 — DO NOT BLOCK INTERSECTION
20,36
23 — RIGHT LANE MUST TURN RIGHT AT RESEARCH BLVD
26 — SPEED LIMIT 45
28
31 — ONLY
25 — Crofton Hill Lane / Research Blvd / NEXT SIGNAL
33 — WEST MARYLAND 28
37 — OVER 1 TON
38
39 — AHEAD
21b,24a — Hurley AVE
35b — W Montgomery AVE <1400
35a — W Montgomery AVE 1400>
21a,24b — Hurley AVE
32a — W Montgomery AVE 1300>
32b — W Montgomery AVE <1300

EXISTING SIGNS TO BE REMOVED

80 — EAST MARYLAND 28
81,83 — LEFT TURN YIELD ON GREEN
82 — U-TURN YIELD ON GREEN
84,85
86

EXISTING SIGNALS

12" / 12"/8" / 12" / 12" / 12"

a,b,c — EXISTING VIDEO DETECTION

EXISTING SIGNALS TO BE REMOVED

PROPOSED EQUIPMENT

1,2,3,6,7,8 9,10,12,13 — 12"
4,5 — 12"
11 — 12"
14–17 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED SIGNS

27 — EAST MARYLAND 28 — SHIELD ASSEMBLY (30"x51")
29 — WEST MARYLAND 28 — SHIELD ASSEMBLY (48"x75")
34 — EAST MARYLAND 28 — SHIELD ASSEMBLY (48"x75")

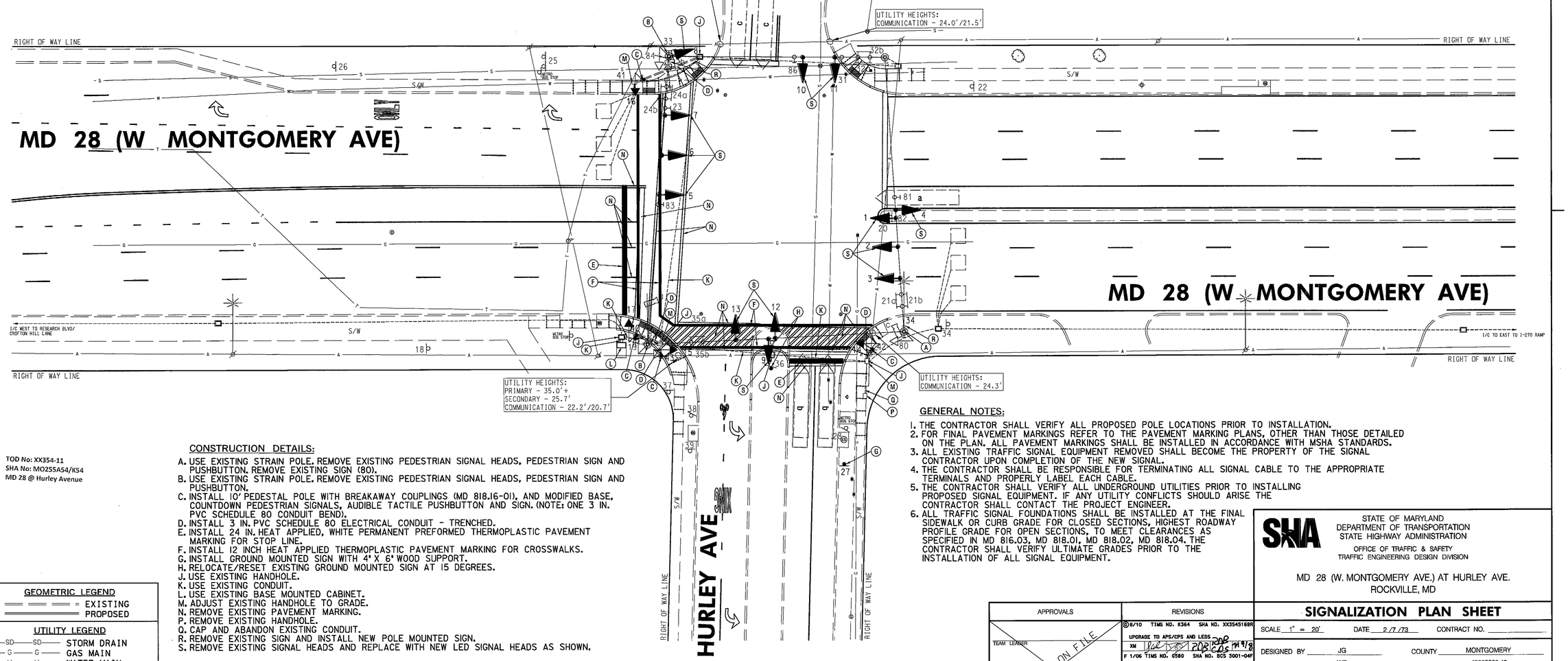
40, 41, 42, 43 — R10-3(1) 9" x 15"

NEMA PHASING

Ø2, Ø4, FLASHING OPERATION
CONC, Ø5, Ø6, Ø8, Ø8 ALT.

NOTES:

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



TOD No: XX354-11
SHA No: MO255A54/K54
MD 28 @ Hurley Avenue

CONSTRUCTION DETAILS:

A. USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PEDESTRIAN SIGN AND PUSHBUTTON. REMOVE EXISTING SIGN (80).
B. USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PEDESTRIAN SIGN AND PUSHBUTTON.
C. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
F. INSTALL 12 INCH HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
G. INSTALL GROUND MOUNTED SIGN WITH 4' X 6' WOOD SUPPORT.
H. RELOCATE/RESET EXISTING GROUND MOUNTED SIGN AT 15 DEGREES.
J. USE EXISTING HANDHOLE.
K. USE EXISTING CONDUIT.
L. USE EXISTING BASE MOUNTED CABINET.
M. ADJUST EXISTING HANDHOLE TO GRADE.
N. REMOVE EXISTING PAVEMENT MARKING.
P. REMOVE EXISTING HANDHOLE.
Q. CAP AND ABANDON EXISTING CONDUIT.
R. REMOVE EXISTING SIGN AND INSTALL NEW POLE MOUNTED SIGN.
S. REMOVE EXISTING SIGNAL HEADS AND REPLACE WITH NEW LED SIGNAL HEADS AS SHOWN.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA 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.

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

BY: xiaoyu

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

REVISIONS
8/10 TIMS NO. K364 SHA NO. XX354516BR — UPGRADE TO APS/CPS AND LEDS
F 1/06 TIMS NO. 6580 SHA NO. BCS 3001-04F — AS BUILT
E 8/04 SHA NO. MO175185 — REPACE LOOP DETECTION WITH VIDEO CAMERAS

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

MD 28 (W. MONTGOMERY AVE.) AT HURLEY AVE.
ROCKVILLE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 2/7/73 CONTRACT NO.
DESIGNED BY JG COUNTY MONTGOMERY
DRAWN BY WR LOGMILE 15002820.48
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.
TS NO. 858G DRAWING – OF SHEET NO. 1 OF 3

PLOTTED: R***** **** 30, 2010 AT 09:27 ****
FILE: P:\09-002 TEDD\Task 35 MD 28 @ Hurley Ave\Drawings\CADD\Working\pSG-P001_MD28@HurleyAve.dgn