DRILL HOLES

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BY: WELLS + ASSOCIATES, INC.

MD 28 (KEY WEST AVENUE) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNS

19a — Broschart — D-3(1) 32" x Var. (Dual Faced)

19b — Broschart — D-3(1) 32" x Var. (Dual Faced)

22a — Diamondback — D-3(1) 32" x Var. (Dual Faced)

22b — Diamondback — D-3(1) 32" x Var. (Dual Faced)

25,27 — Key West Ave — D-3(1) 18" x Var.

20,21,26 — ONLY — R 3-5(L) 30" x 36"

29,30,31 — RIGHT LANE MUST TURN RIGHT — R 3-7(R) 30" x 30"

PROPOSED SIGNS

23 — ONLY — R 3-5(L) 30" x 36"

24 — R 10-12 30" x 36"

28 — ONLY — R 3-5(R) 30" x 36"

EXISTING SIGNALS

3, 4 — 12

1, 2, 5, 6 — 12"

13 - 18

PROPOSED LED SIGNALS

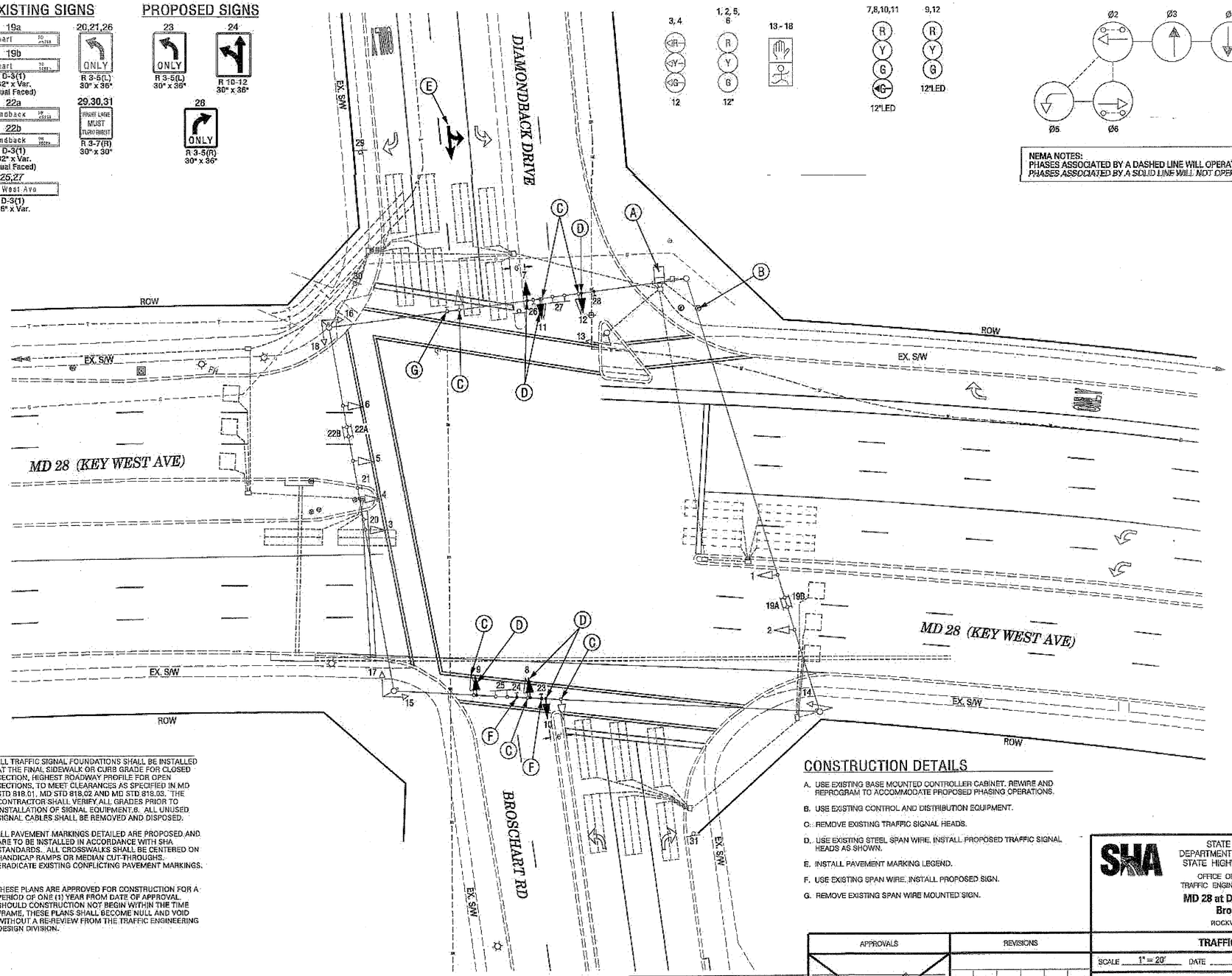
7,8,10,11 — 12"LED

9,12 — 12"LED

PROPOSED NEMA PHASING

Ø2, Ø3, Ø4, ALT Ø4, FLASHING OPERATION, Ø5, Ø6

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



GENERAL NOTES

1. 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 THE CONFLICT MAY BE RESOLVED.
2. THE CONTRACTOR IS RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES AND VIDEO DETECTION CONTROL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS. CONTACT THE SIGNAL OPERATIONS SUPERVISOR AT LEAST 72 HOURS PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
4. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTION, HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD STD 818.01, MD STD 818.02 AND MD STD 818.03. THE CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
6. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAP RAMPS OR MEDIAN CUT-THROUGHS. ERADICATE EXISTING CONFLICTING PAVEMENT MARKINGS.
7. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR FROM DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THE TIME FRAME, THESE PLANS SHALL BECOME NULL AND VOID WITHOUT A RE-REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CONTROLLER CABINET. REWIRE AND REPROGRAM TO ACCOMMODATE PROPOSED PHASING OPERATIONS.

B. USE EXISTING CONTROL AND DISTRIBUTION EQUIPMENT.

C. REMOVE EXISTING TRAFFIC SIGNAL HEADS.

D. USE EXISTING STEEL SPAN WIRE. INSTALL PROPOSED TRAFFIC SIGNAL HEADS AS SHOWN.

E. INSTALL PAVEMENT MARKING LEGEND.

F. USE EXISTING SPAN WIRE. INSTALL PROPOSED SIGN.

G. REMOVE EXISTING SPAN WIRE MOUNTED SIGN.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
SAN — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

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

REVISIONS		
© Split phase kick streets. T.I.M.S. NO. 5411	10 FEB 2011	SHA NO. BW996M82
NDG		
B. Site Scale	January 2, 2003	SHA NO. BW996M82
RMD		
A. Geometric changes. Relocate pole and loop work.	December 14, 2000	SHA NO. BW996M82
RJH/PDB		

PLOTTED: –
FILE: L:\Projects\M001 - 4600\M11 - M028-Shady Grove Traffic Signal\Design\Signals\MD 28 & Diamondback TSG.dgn

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

MD 28 at Diamondback Drive/ Broschart Road
ROCKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 1999 CONTRACT NO. BW996M82

DESIGNED BY --
DRAWN BY --
CHECKED BY --
F.A.P. NO. --
COUNTY Montgomery
LOGMILE 15002818.91
T.I.M.S. NO. --
TOD NO. --

DRAWING NO. TS#4058 SHEET NO. 1 OF 2