MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

37,38 — YIELD ON FLASHING RED ARROW AFTER STOP — R10-12(2) 48"X36"

39 — W11-2 FY 30"X30" M6-2 FY 21"X15"

EXISTING SIGNS TO REMAIN

23a,23b,24a,24b — Lark Brown Rd — D-3(1) 84"X16" (DUAL FACE)

25,27,35,36 — ONLY — R3-5L 30"X36"

26,28 — R3-6L 30"X36"

29,30 — R3-6(1) 30"X36"

31 — WEST MARYLAND 108 — M1-5(6) 36"X75"

33 — EAST MARYLAND 108 — M1-5(6) 36"X75"

32 — WEST MARYLAND 108 — M1-5(6) 24"X51"

34 — EAST MARYLAND 108 — M1-5(6) 24"X51"

EXISTING LED SIGNALS TO REMAIN

4,8,11,14 — R Y G — 12"

9,12 — R Y G G — 8"/12"

10,13 — R Y G G — 12"

15 — 16"

a,b,c,d,e — EXISTING VIDEO DETECTION

PROPOSED LED SIGNALS

1,2,5,6 — R Y G — 12"

3,7 — R Y G — 12"

16,17,18 — 16"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION

Ø3 ALT.

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
PHASE 2 AND 6 ALT INCLUDE OPERATION OF MD 108 EASTBOUND AND WESTBOUND PERMISSIVE LEFT TURNS USING FLASHING RED ARROW OPERATION.
TIME OF DAY OPERATION SHALL BE AS DIRECTED BY SHA.

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

19 — WATERLOO RD R10-3(1) 9"x15"

20 — WATERLOO RD R10-3(1) 9"x15"

21 — LARK BROWN RD R10-3(1) 9"x15"

22 — LARK BROWN RD R10-3(1) 9"x15"

EXISTING SIGNS TO BE REMOVED

PUSH BUTTON TO CROSS MD 108 — 9"X12" (2 EA.)

40 — DO NOT ENTER — 30"X30"

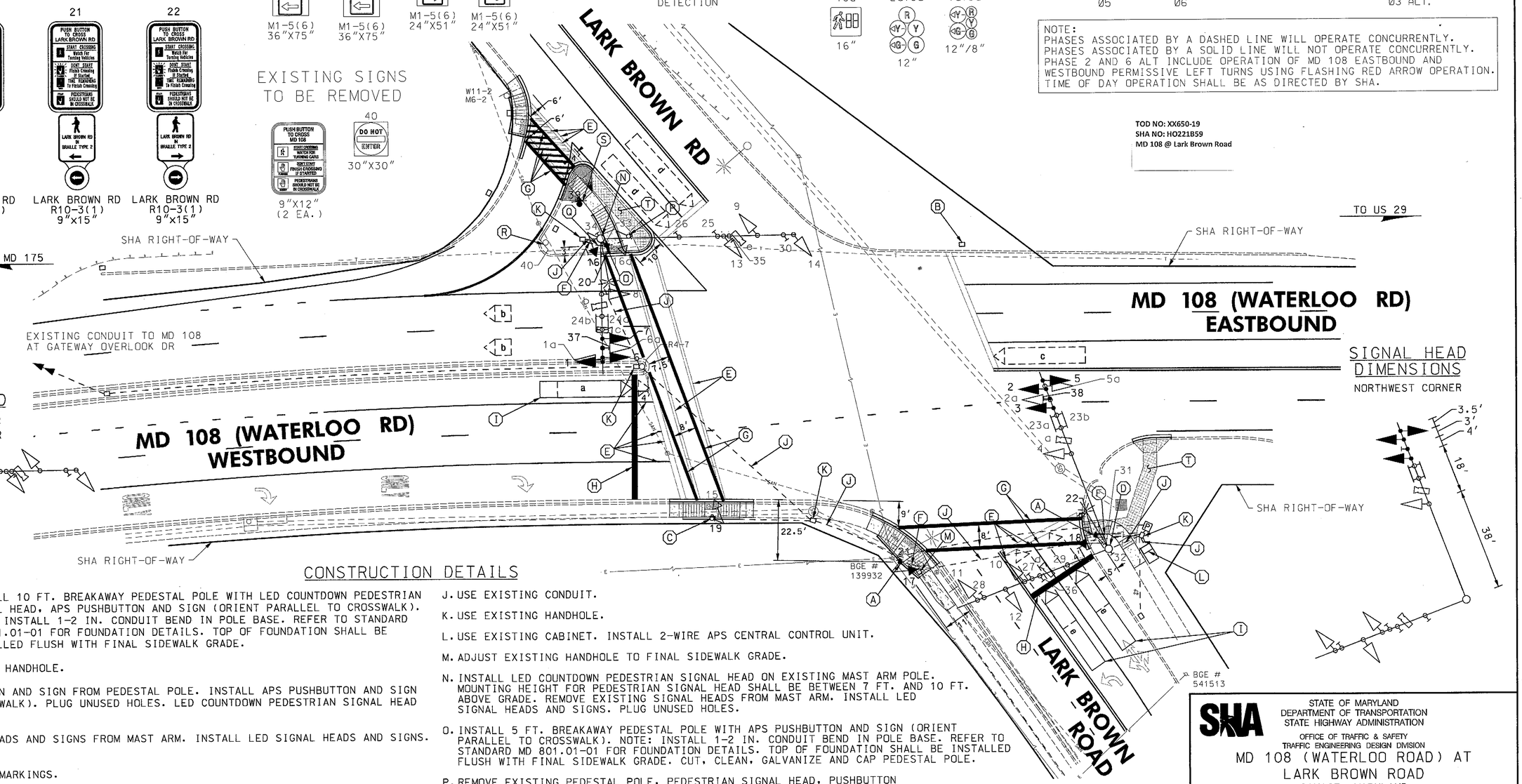
EXISTING LED SIGNALS TO BE REMOVED

16a — 16"

2a,6a — R Y G G — 12"

1a,5a — R Y G G — 12"/8"

TOD NO: XX650-19
SHA NO: HO221B59
MD 108 @ Lark Brown Road



CROSSWALK DETAIL

SIGNAL HEAD DIMENSIONS

SOUTHEAST CORNER

20.5' 10.5' 6' 3.5' 3.5' 1.5'

SIGNAL HEAD DIMENSIONS

NORTHWEST CORNER

3.5' 3' 4' 18' 38'

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE.

B. REMOVE EXISTING ABANDONED HANDHOLE.

C. REMOVE EXISTING PUSHBUTTON AND SIGN FROM PEDESTAL POLE. INSTALL APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). PLUG UNUSED HOLES. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD TO REMAIN.

D. REMOVE EXISTING SIGNAL HEADS AND SIGNS FROM MAST ARM. INSTALL LED SIGNAL HEADS AND SIGNS. PLUG UNUSED HOLES.

E. REMOVE EXISTING PAVEMENT MARKINGS.

F. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED, PRIOR TO FINAL SIDEWALK INSTALLATION.

G. INSTALL 12 INCH WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.

H. INSTALL 24 INCH WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.

I. PROPOSED VIDEO DETECTION ZONE. CONTRACTOR SHALL COORDINATE WITH SHA TO RE-AIM EXISTING VIDEO DETECTION CAMERAS AS NECESSARY.

J. USE EXISTING CONDUIT.

K. USE EXISTING HANDHOLE.

L. USE EXISTING CABINET. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT.

M. ADJUST EXISTING HANDHOLE TO FINAL SIDEWALK GRADE.

N. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD ON EXISTING MAST ARM POLE. MOUNTING HEIGHT FOR PEDESTRIAN SIGNAL HEAD SHALL BE BETWEEN 7 FT. AND 10 FT. ABOVE GRADE. REMOVE EXISTING SIGNAL HEADS FROM MAST ARM. INSTALL LED SIGNAL HEADS AND SIGNS. PLUG UNUSED HOLES.

O. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. CUT, CLEAN, GALVANIZE AND CAP PEDESTAL POLE.

P. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. REMOVE FOUNDATION BELOW GRADE AND BACKFILL.

Q. CAP AND ABANDON EXISTING CONDUIT.

R. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.

S. INSTALL PROPOSED SIGN ON 1-4"X6" WOOD SIGN SUPPORT (DRILLED).

T. REMOVE EXISTING SIDEWALK AND INSTALL SOD. REFER TO SIDEWALK DETAIL SHEETS FOR ADDITIONAL INFORMATION.

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

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

BY: BJG

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

REVISIONS				
E	MODIFY MD 108 LT FOR EX. PHASING WITH FL/R ARROW. APS/CPS SHA NO. XX650195, TIMS NO. L122	04-2012		
D	REPLACE-EXISTING SPAN WIRE WITH MAST ARM SIGNAL. ADD VID. DETECTION. I/C	03-25-2005		
C	REVISE PHASING. RELOCATE POLE IN SOUTHWEST QUADRANT	07-25-1990		
MIA	DJR	MAR	WH	TH
TMZ				

PLOTTED: Thursday, April 19, 2012 AT 10:07 AM
FILE: \\rkkm\v2008\2008\08148_toddes\Task 91_MD 108 at Lark Brown Road\CADD\pSG-0001_MD108@LarkBrown.dgn

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

MD 108 (WATERLOO ROAD) AT LARK BROWN ROAD
SAVAGE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 07-25-1990 CONTRACT NO. BW-355-802-712

DESIGNED BY ____ COUNTY HOWARD
DRAWN BY ____ LOGMILE 13010814.94
CHECKED BY ____ TIMS NO. ____
FAP NO. ____ TOD NO. ____

TS NO. 2384E | DRAWING SP-1 OF 2 | SHEET NO. 1 OF 4