MD 140 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

30 — NORTH / MARYLAND / 140 — M1-5(6) 48"X72"

29 — SOUTH / MARYLAND / 140 — M1-5(6) 48"X72"

28 — SOUTH / MARYLAND / 140 — M1-5(6) 30"X48"

27 — ONLY — R3-5R 30"X36"

25 — Cradock LN / Mc Donogh RD — D-3(1) 96"X32"

26 — Mc Donogh RD / Cradock LN — D-3(1) 96"X32"

EXISTING SIGNS TO BE REMOVED

33,34 — PUSH BUTTON TO CROSS REISTERSTOWN RD — 9"X12"

35,36,37,38 — LEFT TURN YIELD ON GREEN — 30"X36"

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

19 — PUSH BUTTON TO CROSS MCDONOGH RD — MCDONOGH RD IN BRAILLE TYPE 2 — MCDONOGH RD R10-3(1) 9"X15"

20 — PUSH BUTTON TO CROSS MCDONOGH RD — MCDONOGH RD IN BRAILLE TYPE 2 — MCDONOGH RD R10-3(1) 9"X15"

21 — PUSH BUTTON TO CROSS REISTERSTOWN RD — REISTERSTOWN RD IN BRAILLE TYPE 2 — REISTERSTOWN RD R10-3(1) 9"X15"

22 — PUSH BUTTON TO CROSS REISTERSTOWN RD — REISTERSTOWN RD IN BRAILLE TYPE 2 — REISTERSTOWN RD R10-3(1) 9"X15"

23 — PUSH BUTTON TO CROSS CRADOCK LN — CRADOCK LN IN BRAILLE TYPE 2 — CRADOCK LN R10-3(1) 9"X15"

24 — PUSH BUTTON TO CROSS CRADOCK LN — CRADOCK LN IN BRAILLE TYPE 2 — CRADOCK LN R10-3(1) 9"X15"

PROPOSED SIGNS

31a,31b,32a,32b — Reisterstown RD — D-3(1) 90"X16" (DUAL FACE)

PROPOSED LED SIGNALS

16,17 — 16"

EXISTING LED SIGNALS TO REMAIN

1,4,7,10 — 12"/8"

2,5,8,11 — 12"

3,6,12 — 12"

9 — 12"

13,14,15,18 — 16"

EXISTING SIGNALS TO BE REMOVED

16a,17a — 16"

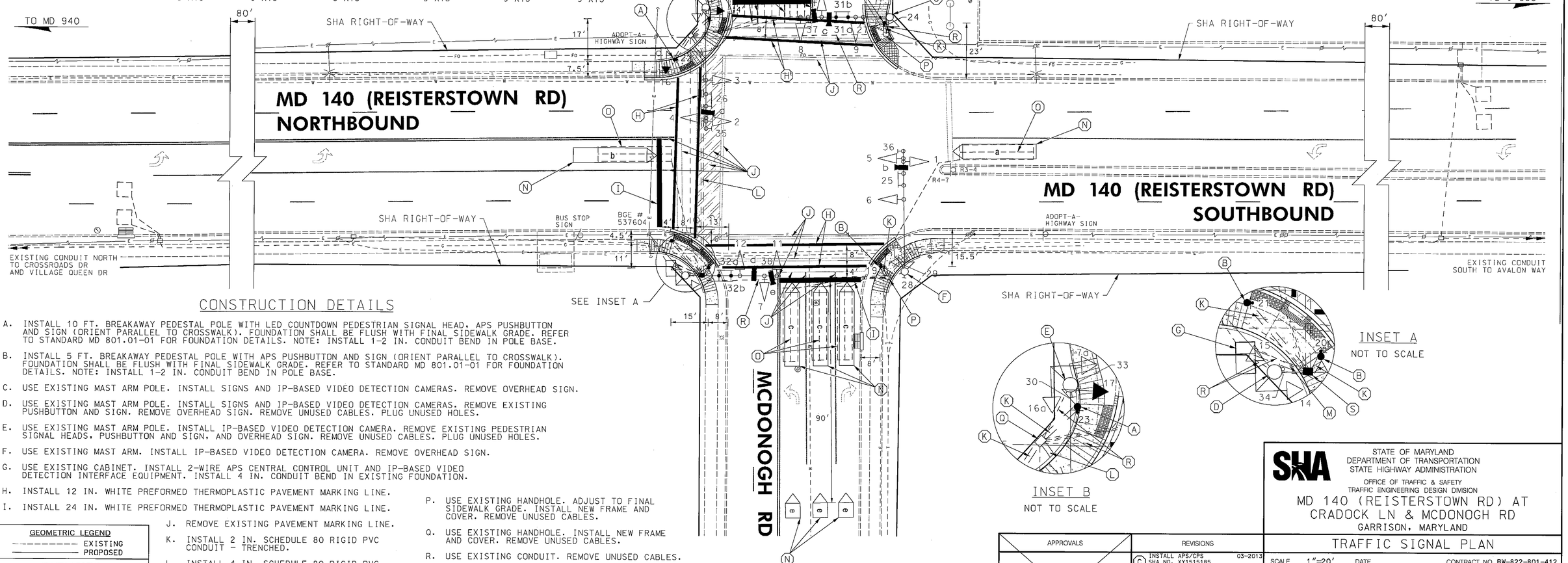
a,b,c,d,e,f — PROPOSED IP-BASED VIDEO DETECTION

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8 Ø8 ALT.

FLASHING OPERATION

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



CONSTRUCTION DETAILS

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

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

C. USE EXISTING MAST ARM POLE. INSTALL SIGNS AND IP-BASED VIDEO DETECTION CAMERAS. REMOVE OVERHEAD SIGN.

D. USE EXISTING MAST ARM POLE. INSTALL SIGNS AND IP-BASED VIDEO DETECTION CAMERAS. REMOVE EXISTING PUSHBUTTON AND SIGN. REMOVE OVERHEAD SIGN. REMOVE UNUSED CABLES. PLUG UNUSED HOLES.

E. USE EXISTING MAST ARM POLE. INSTALL IP-BASED VIDEO DETECTION CAMERA. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN, AND OVERHEAD SIGN. REMOVE UNUSED CABLES. PLUG UNUSED HOLES.

F. USE EXISTING MAST ARM. INSTALL IP-BASED VIDEO DETECTION CAMERA. REMOVE OVERHEAD SIGN.

G. USE EXISTING CABINET. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT AND IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT. INSTALL 4 IN. CONDUIT BEND IN EXISTING FOUNDATION.

H. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

I. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

J. REMOVE EXISTING PAVEMENT MARKING LINE.

K. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

N. PROPOSED VIDEO DETECTION ZONE.

O. ABANDON EXISTING LOOP DETECTOR.

P. USE EXISTING HANDHOLE. ADJUST TO FINAL SIDEWALK GRADE. INSTALL NEW FRAME AND COVER. REMOVE UNUSED CABLES.

Q. USE EXISTING HANDHOLE. INSTALL NEW FRAME AND COVER. REMOVE UNUSED CABLES.

R. USE EXISTING CONDUIT. REMOVE UNUSED CABLES.

S. RECONSTRUCT ELECTRICAL HANDHOLE IN EXISTING LOCATION.

INSET B
NOT TO SCALE

INSET A
NOT TO SCALE

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: WFW

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

REVISIONS

C	INSTALL APS/CPS SHA NO. XY1515185 TIMS NO. L825	03-2013	
B	REVISE SIDE STREET PHASING TO E/P, ADD RIGHT TURN OVERLAP FOR MCDONOGH RD	07-1995	
A	REPLACE FAILED LOOP DETECTOR SHA NO. AW-579-501-085	12-1993	

WFW BJG MEL DJD BRK TH MAM DAB DAZ BRK

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

MD 140 (REISTERSTOWN RD) AT CRADOCK LN & MCDONOGH RD
GARRISON, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE CONTRACT NO. BW-822-801-412

DESIGNED BY
DRAWN BY T. ZAYDEL
CHECKED BY
FAP NO.

COUNTY BALTIMORE
LOGMILE 03014003.15
TIMS NO.
TOD NO.

TS NO. 2101C DRAWING SP-3 OF 4 SHEET NO. 1 OF 3

PLOTTED: Tuesday, March 26, 2013 AT 08:25 AM
FILE: \\bsinx03\v2008\j0G8\08148_tcd\dsk\Task 147_MD 140 at Avalon Craddock & Crossroads (L703)\CADD\pSG-0003_MD140@Cradock.dgn