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

PROPOSED SIGNS

31,32,33,34 — S1-1 FYG 36"X36" M6-2 FYG 30"X24"

35,36,37,38 — S1-1 FYG 36"X36" M6-2 FYG 30"X24"

EXISTING SIGNS TO REMAIN

25 — Ritters LN / Enchanted Hills RD — D-3(1) 120"X40"

26 — Enchanted Hills RD / Ritters LN — D-3(1) 120"X40"

28 — SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING — W3-3(2) FY 120"X6)"

29,30 — SCHOOL / FINES DOUBLE — S1-1 FYG 36"X36" S4-3 FYG 36"X12" S4-4(1) 36"X18"

27 — NO TURN ON RED — R10-11b 30"X30"

EXISTING SIGNS TO BE REMOVED

42,43,48 — 30"X30" 21"X15"

44,45 — 30"X30" 21"X15"

46,47 — PUSH BUTTON TO CROSS REISTERSTOWN RD — 9"X12"

39 — W11-2 FY 36"X36" M6-2 FY 30"X24"

40 — W11-2 FY 36"X36" M6-2 FY 30"X24"

41 — OM1-3 FY 18"X18"

EXISTING SIGNALS TO REMAIN

4,5,17,18,19,20 — Y — 12"

1,2,3,6,7,8,9,11,12 — R Y G — 12"

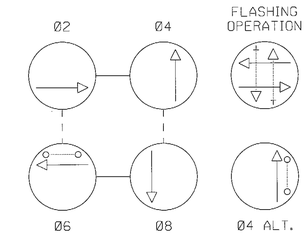
10 — R Y G — 8"

13,14,15,16 — 16"

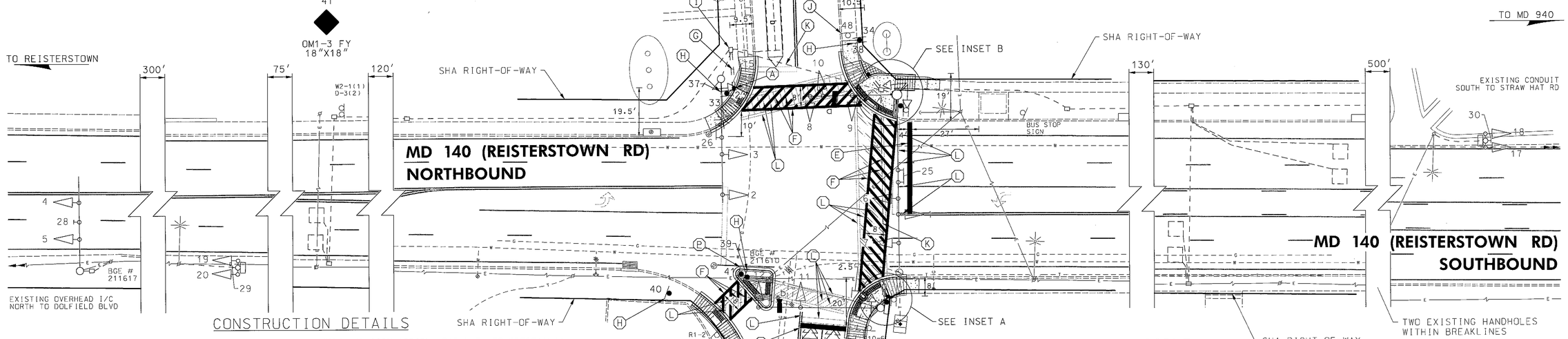
a,b — PROPOSED IP-BASED VIDEO DETECTION

EXISTING VIDEO DETECTION TO BE REMOVED (1 EA.)

NEMA PHASING



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



CONSTRUCTION DETAILS

A. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). FOUNDATION SHALL BE INSTALLED 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. USE EXISTING HANDHOLE. ADJUST HANDHOLE TO FINAL SIDEWALK GRADE. REPLACE FRAME AND COVER. INSTALL GROUND ROD.

C. USE EXISTING MAST ARM POLE. REMOVE EXISTING PUSHBUTTON AND SIGN. PLUG UNUSED HOLES. REMOVE EXISTING VIDEO DETECTION CAMERA. INSTALL IP-BASED VIDEO DETECTION CAMERA. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO ALIGN THE VIDEO DETECTION ZONE.

D. USE EXISTING MAST ARM POLE AND POLE MOUNTED CABINET. REMOVE EXISTING PUSHBUTTON AND SIGN. PLUG UNUSED HOLES. REMOVE EXISTING VIDEO DETECTION INTERFACE EQUIPMENT. INSTALL IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT AND 2-WIRE APS CENTRAL CONTROL UNIT.

E. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

F. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED.

H. INSTALL GROUND MOUNTED SIGNS ON 1-4"X6" WOOD SIGN SUPPORT (DRILLED). NOTE: SIGNS INSTALLED IN CONCRETE OR BRICK SHALL HAVE SLEEVED FOUNDATIONS REFER TO STANDARDS MD 812.05-01 AND MD 812.05-02 FOR FOUNDATION DETAILS. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORTS.

I. USE EXISTING HANDHOLE. INSTALL GROUND ROD.

J. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT(S).

K. USE EXISTING CONDUIT.

L. REMOVE EXISTING PAVEMENT MARKING LINE.

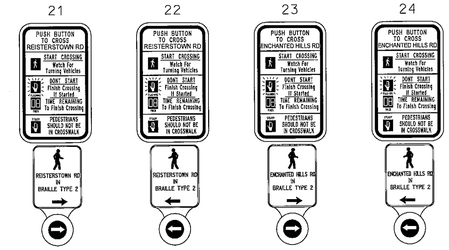
M. PROPOSED VIDEO DETECTION ZONE.

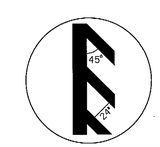
N. ABANDON EXISTING LOOP DETECTOR.

O. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS. BACKFILL TO GRADE.

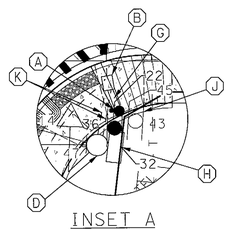
P. INSTALL GROUND MOUNTED SIGNS ON 1-4"X4" WOOD SIGN SUPPORT (DRILLED). NOTE: SIGNS INSTALLED IN CONCRETE OR BRICK SHALL HAVE SLEEVED FOUNDATIONS REFER TO STANDARDS MD 812.05-01 AND MD 812.05-02 FOR FOUNDATION DETAILS. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORTS.

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS



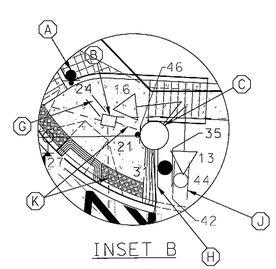


CROSSWALK DETAIL



INSET A

NOT TO SCALE



INSET B

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

RK&K
Rummel, Klepper & Kahl, LLP
81 MOSHER STREET | BALTIMORE, MD 21217
PH: (410) 728-2900 FAX: (410) 728-3160
Engineers Construction Managers Planners Scientists
www.rkk.com

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

REVISIONS
H INSTALL APS SHA NO. XY1515185 TIMS NO. L825 — 03-2013
G INSTALLATION OF VIDEO DETECTION CAMERA TIMS NO. J215 — 06-2008
F INSTALL PED SIGNAL HEADS, PUSHBUTTONS AND SIGNS SHA NO. AT5825185 — 05-10-2007
BJG MKR CSW
LM JME TMZ DJD DAZ BK

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

MD 140 (REISTERSTOWN RD) AT RITTERS LN / ENCHANTED HILLS RD
OWINGS MILLS, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 10-14-1970 CONTRACT NO.
DESIGNED BY
DRAWN BY L. TOWNSON
CHECKED BY M. RUCKER
FAP NO.
COUNTY BALTIMORE
LOGMILE 03014006.23
TIMS NO.
TOD NO.
TS NO. 169H DRAWING SP-1 OF 2 SHEET NO. 1 OF 3

PLOTTED: Tuesday, March 05, 2013 AT 08:50 AM
FILE: \\balsnd01\2008\2C08\08148_toddes\Task 148_MD 140 at Home Depot & Ritters (L704)\CADD\pSG-0001_MD140@Rittersl.n.dgn