MD 31 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS TO REMAIN

20a, 20b: WMC DR — D-3(1) 60"X16" (DUAL FACE)

24, 22: EAST / WEST MARYLAND 31 — M1-5(6) 36"X72"

25,26: TO WEST MARYLAND 140 — M4-5 24"X12", M3-4 24"X12", M1-5 30"X24", M6-1 21"X15"

27: TO EAST MARYLAND 140 — M4-5 24"X12", M3-2 24"X12", M1-5 30"X24", M6-3 21"X15"

19a, 19b: W. Main ST — D-3(1) 72"X16" (DUAL FACE)

23, 21: EAST / WEST MARYLAND 31 — M1-5(6) 24"X48"

EXISTING SIGNS TO BE REMOVED

40,41: PUSH BUTTON TO CROSS NEW WINDSOR RD — 9"X12"

PROPOSED SIGNS

30: OM1-3 FY 18"X18"

28a,28b,29a,29b: New Windsor RD — D-3(1) 90"X16" (DUAL FACE)

EXISTING LED SIGNALS TO REMAIN

1,4: 12"/8"; 2,5: 12"; 3,6,7,8,9,10: 12"; 11: 16"

PROPOSED LED SIGNALS

12,13,14: 16"

NEMA PHASING

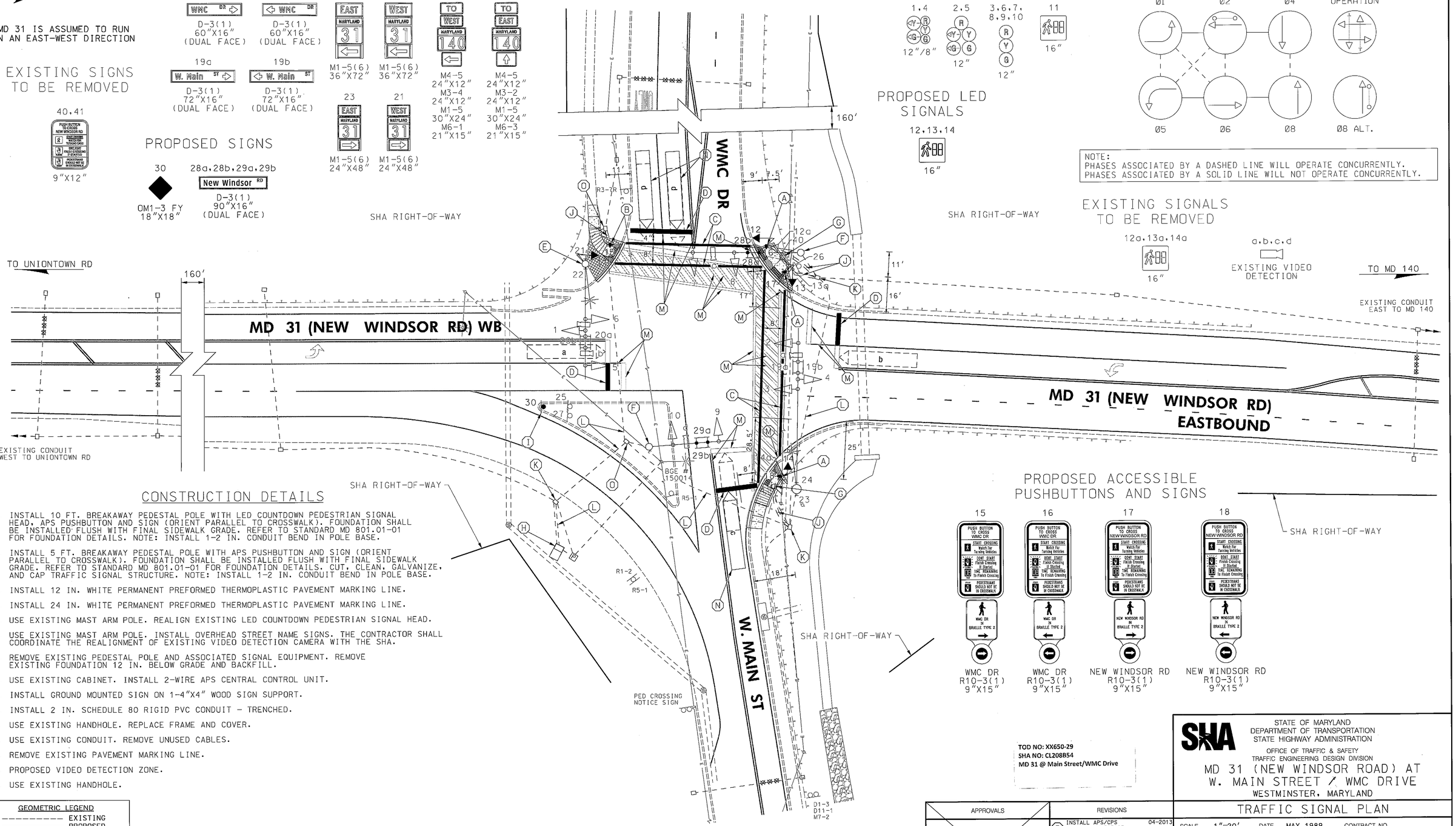
Ø1, Ø2, Ø4, FLASHING OPERATION; Ø5, Ø6, Ø8, Ø8 ALT.

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

EXISTING SIGNALS TO BE REMOVED

12a,13a,14a: 16"

a,b,c,d: EXISTING VIDEO DETECTION



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 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. 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. CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE. NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE.

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

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

E. USE EXISTING MAST ARM POLE. REALIGN EXISTING LED COUNTDOWN PEDESTRIAN SIGNAL HEAD.

F. USE EXISTING MAST ARM POLE. INSTALL OVERHEAD STREET NAME SIGNS. THE CONTRACTOR SHALL COORDINATE THE REALIGNMENT OF EXISTING VIDEO DETECTION CAMERA WITH THE SHA.

G. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED SIGNAL EQUIPMENT. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

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

I. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT.

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

K. USE EXISTING HANDHOLE. REPLACE FRAME AND COVER.

L. USE EXISTING CONDUIT. REMOVE UNUSED CABLES.

M. REMOVE EXISTING PAVEMENT MARKING LINE.

N. PROPOSED VIDEO DETECTION ZONE.

O. USE EXISTING HANDHOLE.

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

15: WMC DR R10-3(1) 9"X15"

16: WMC DR R10-3(1) 9"X15"

17: NEW WINDSOR RD R10-3(1) 9"X15"

18: NEW WINDSOR RD R10-3(1) 9"X15"

SHA RIGHT-OF-WAY

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

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

BY: WFW

TOD NO: XX650-29
SHA NO: CL208B54
MD 31 @ Main Street/WMC Drive

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

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

REVISIONS
- F — INSTALL APS/CPS, SHA NO. XX6505185, TIMS NO. L739 — 04-2013 — WFW BJG RDP MLL CJW
- E — RECONSTRUCT SIGNAL, SHA NO. AT7175185, TIMS NO. G916 — 09-2005 — JWA DJR RKB DAZ BK
- D — INSTALL E/P PHASING FOR MD 31, TIMS NO. G763 — 01-2005 — DJR RKB BK

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

MD 31 (NEW WINDSOR ROAD) AT W. MAIN STREET / WMC DRIVE
WESTMINSTER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE MAY 1989 CONTRACT NO.

DESIGNED BY W.MALCOLM COUNTY CARROLL
DRAWN BY W.MALCOLM LOGMILE 06003109.94
CHECKED BY TIMS NO.
FAP NO. TOD NO.

TS NO. 171F DRAWING SP-1 OF 2 SHEET NO. 1 OF 3

PLOTTED: Monday, April 22, 2013 AT 08:16 AM
FILE: \\bsfsrv03\v2008\2008\08148_tcddes\Task 155_MD 31 at Main & MD 140 at Suffolk\CADD\gSG-0001_MD31@MainSt.dgn