US 220 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

20a,20b, 26a,26b — D-3(1) VAR.X16" (DUAL FACED)

23a,23b — D-3(1) VAR.X16" (DUAL FACED)

21 — R3-2 30"X30"

27 — R3-1 30"X30"

22 — W6-3 MOD 42"X42"

30 — R5-1 36"X36"

24 — ROUTE MARKER ASSEMBLY 44"X75"

29 — ROUTE MARKER ASSEMBLY 30"X51"

28 — McMULLEN HIGHWAY R10-3(1) 9"X15"

25 — McMULLEN HIGHWAY R10-3(1) 9"X15"

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

15 — WINCHESTER ROAD R10-3(1) 9"X15"

14 — WINCHESTER ROAD R10-3(1) 9"X15"

EXISTING SIGNS TO BE REMOVED

17a — R5-1 36"X36"

18a — R6-1R 36"X12"

19a — R6-1L 36"X12"

PROPOSED SIGNS

16 — W11-2 FY 30"X30" M6-2 FY 21"X15"

17 — R5-1@15° 30"X30"

19 — R6-1L 36"X12"

18 — R6-1R 36"X12"

29 — OM1-3 FY 18"X18"

EXISTING LED SIGNALS TO REMAIN

1,2,5,6 7,8,9 — 12"

3 — 12"/8"

4 — 12"

10,12,13 — 16"

PROPOSED LED SIGNALS

11 — 16"

EXISTING LED SIGNALS TO BE REMOVED

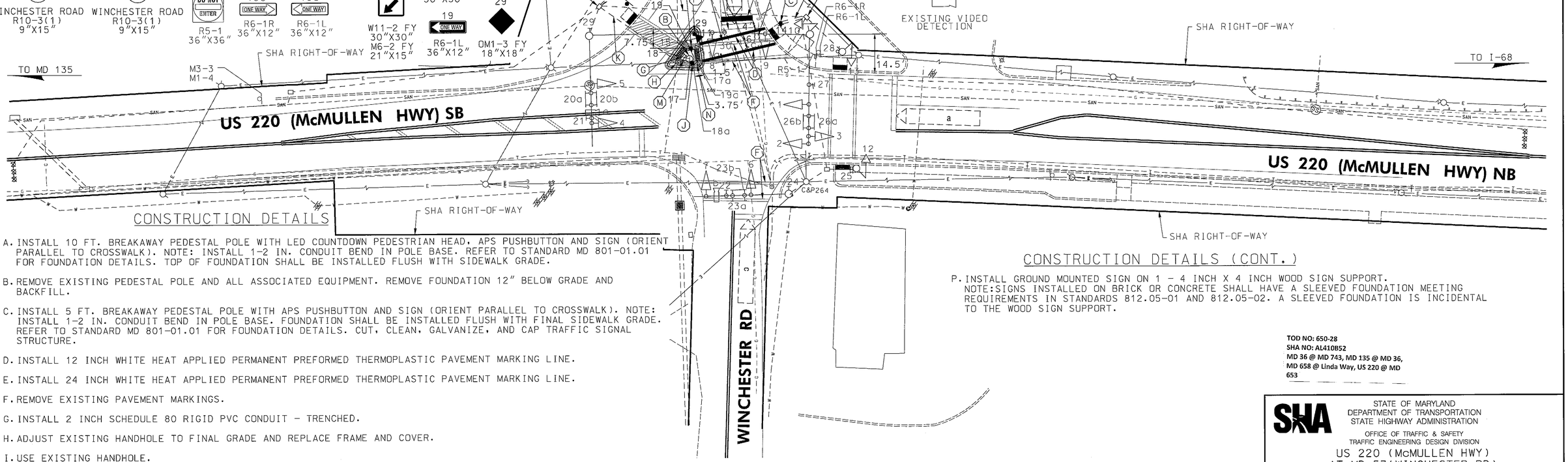
11a — 16"

a,b,c — EXISTING VIDEO DETECTION

NEMA PHASING

Ø2, Ø4, Ø8 ALT., Ø5, Ø6, Ø8, 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 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 SIDEWALK GRADE.

B. REMOVE EXISTING PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GRADE AND BACKFILL.

C. 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. 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.

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

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

F. REMOVE EXISTING PAVEMENT MARKINGS.

G. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

H. ADJUST EXISTING HANDHOLE TO FINAL GRADE AND REPLACE FRAME AND COVER.

I. USE EXISTING HANDHOLE.

J. INSTALL GROUND MOUNTED SIGN ON 1 - 4 INCH X 6 INCH WOOD SIGN SUPPORT (DRILLED). NOTE:SIGNS INSTALLED ON BRICK OR CONCRETE SHALL HAVE A SLEEVED FOUNDATION MEETING REQUIREMENTS IN STANDARDS 812.05-01 AND 812.05-02. A SLEEVED FOUNDATION IS INCIDENTAL TO THE WOOD SIGN SUPPORT.

K. USE EXISTING CONDUIT.

L. PROPOSED VIDEO DETECTION ZONE.

M. CAP AND ABANDON EXISTING CONDUIT.

N. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORT.

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

CONSTRUCTION DETAILS (CONT.)

P. INSTALL GROUND MOUNTED SIGN ON 1 - 4 INCH X 4 INCH WOOD SIGN SUPPORT. NOTE:SIGNS INSTALLED ON BRICK OR CONCRETE SHALL HAVE A SLEEVED FOUNDATION MEETING REQUIREMENTS IN STANDARDS 812.05-01 AND 812.05-02. A SLEEVED FOUNDATION IS INCIDENTAL TO THE WOOD SIGN SUPPORT.

TOD NO: 650-28
SHA NO: AL410B52
MD 36 @ MD 743, MD 135 @ MD 36, MD 658 @ Linda Way, US 220 @ MD 653

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

US 220 (McMULLEN HWY)
AT MD 53(WINCHESTER RD)
CRESAPTOWN, MARYLAND

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — 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
G RECONSTRUCT CHANNELIZED ISLAND AND ADD APS/CPS TO WEST LEG 03-2013 TIMS NO. L658 SHA NO. XX6505185
GS BJG MLP MLP CJW
F ADD APS/CPS, LED SIGNAL HEADS AND REMOVE WEST PED CROSSING 06-2008 TIMS NO. G074 SHA NO. AL8795184
BSH TH
E RECONSTRUCT TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS 07-2004
NML

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 5-29-73 CONTRACT NO. A-575X-000-685

DESIGNED BY B. THOMPSON COUNTY ALLEGANY
DRAWN BY M. LINARDI LOGMILE 01022014.03
CHECKED BY A. BUDNICHUK TIMS NO.
FAP NO. TOD NO. N/A

TS NO. 516G | DRAWING SP-3 OF 8 | SHEET NO. 4 OF 10

PLOTTED: Monday, March 18, 2013 AT 09:51 AM
FILE: \\balsrv03\v2008\2008\08148_tcddes\Task 134_D6 APS\CADD\pSG-C001_US220@MD53.dgn