MD 108 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

19,20 — R3-5L (30"X36")
21,22 — R3-5R (30"X36")
23,24 — Old Annapolis RD — D-3(1) (DUAL FACED) (VARIES X16")
25a — Bendix RD — D-3(1) (DUAL FACED) (VARIES X16")
26a — Mellenbrook RD — D-3(1) (DUAL FACED) (VARIES X16")
26b — Mellenbrook RD — D-3(1) (DUAL FACED) (VARIES X16")
25b — Bendix RD — D-3(1) (DUAL FACED) (VARIES X16")

EXISTING SIGNS TO BE REMOVED

27,28 — LEFT TURN YIELD ON GREEN — R10-12 (30"x36")
29,30 — PUSH BUTTON TO CROSS MD 108 — R10-3 (9"X12")

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

15 — MELLENBROOK ROAD — R10-3(1) (9" X 15")
16 — MELLENBROOK ROAD — R10-3(1) (9" X 15")
17 — OLD ANNAPOLIS ROAD — R10-3(1) (9" X 15")
18 — OLD ANNAPOLIS ROAD — R10-3(1) (9" X 15")

EXISTING SIGNALS TO REMAIN

1,3 — 12"
2,4-8 — 12"

EXISTING SIGNALS TO BE REMOVED

13,14 — 12"

PROPOSED LED SIGNALS

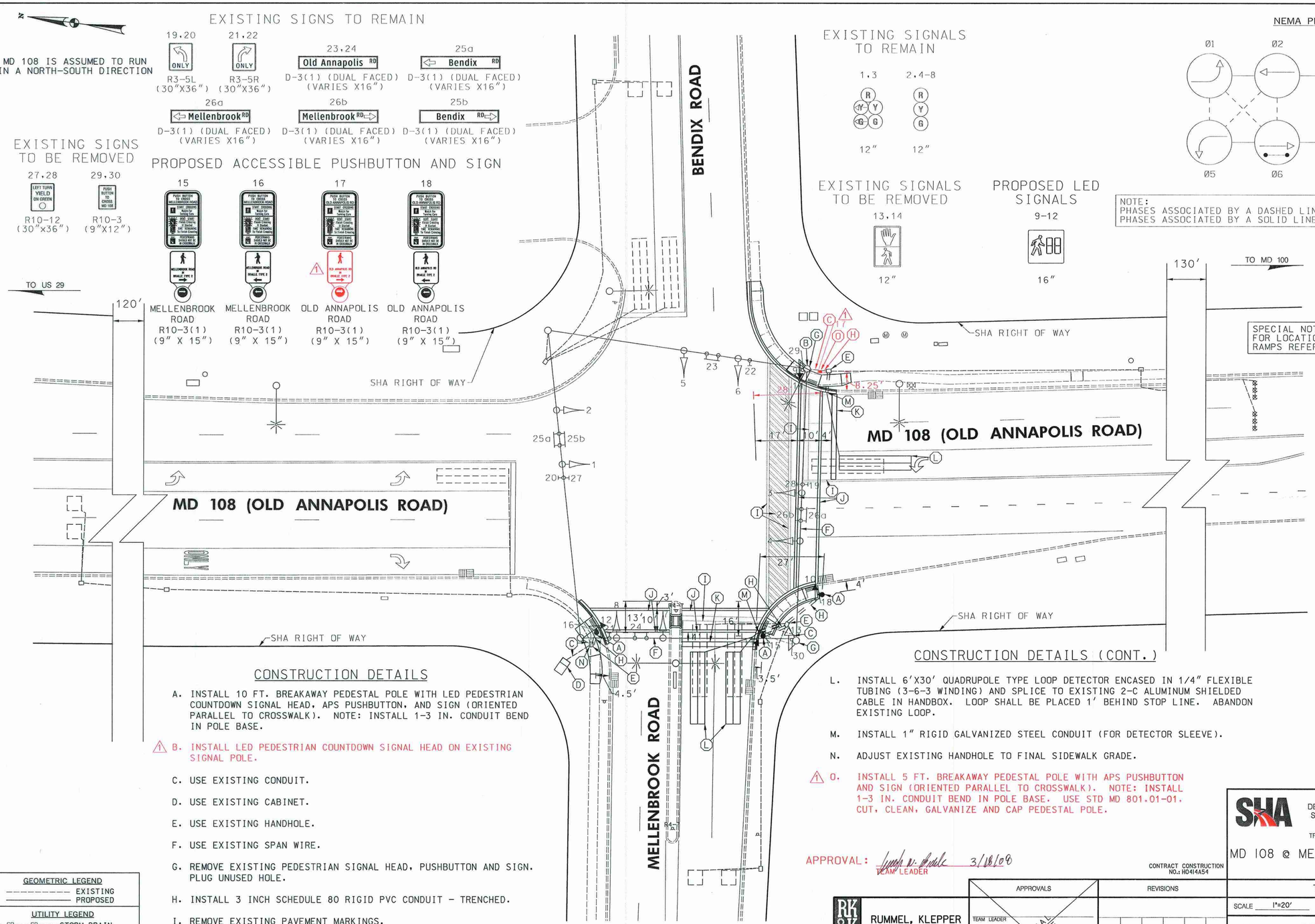
9-12 — 16"

NEMA PHASING

Ø1, 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.

SPECIAL NOTE:
FOR LOCATION AND MD STANDARD OF SIDEWALK RAMPS REFER TO THE ROADWAY PLANS.



CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED PEDESTRIAN COUNTDOWN SIGNAL HEAD, APS PUSHBUTTON, AND SIGN (ORIENTED PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

1 B. INSTALL LED PEDESTRIAN COUNTDOWN SIGNAL HEAD ON EXISTING SIGNAL POLE.

C. USE EXISTING CONDUIT.

D. USE EXISTING CABINET.

E. USE EXISTING HANDHOLE.

F. USE EXISTING SPAN WIRE.

G. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. PLUG UNUSED HOLE.

H. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

I. REMOVE EXISTING PAVEMENT MARKINGS.

J. INSTALL 12 INCH WHITE LEAD FREE HEAT APPLIED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

K. INSTALL 24 INCH WHITE LEAD FREE HEAT APPLIED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

1 REDLINE NO. 1 3/18/2008

CONSTRUCTION DETAILS (CONT.)

L. INSTALL 6'X30' QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-6-3 WINDING) AND SPLICE TO EXISTING 2-C ALUMINUM SHIELDED CABLE IN HANDBOX. LOOP SHALL BE PLACED 1' BEHIND STOP LINE. ABANDON EXISTING LOOP.

M. INSTALL 1" RIGID GALVANIZED STEEL CONDUIT (FOR DETECTOR SLEEVE).

N. ADJUST EXISTING HANDHOLE TO FINAL SIDEWALK GRADE.

1 O. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENTED PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. USE STD MD 801.01-01. CUT, CLEAN, GALVANIZE AND CAP PEDESTAL POLE.

APPROVAL: 3/18/08
TEAM LEADER

CONTRACT CONSTRUCTION NO.: H0414A54

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
B — ADD APS PUSHBUTTONS AND COUNTDOWN PEDESTRIAN SIGNAL HEADS AX375S133 — 10-5-07 — BJG
A — REDRAWN TO SHOW PROPOSED GEOMETRICS — 8-14-84

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

MD 108 @ MELLENBROOK ROAD/BENDIX ROAD
COLUMBIA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 8-14-84 CONTRACT NO. HO-314-201-770
DESIGNED BY W. RICHARDSON COUNTY HOWARD
DRAWN BY W.RICHARDSON LOGMILE 13.01 0810.71
CHECKED BY TIMS NO. 1888
FAP NO. TOD NO.
TS NO. 1794B DRAWING SG - 1 OF 2 SHEET NO. 18 OF 19

PLOTTED: Tuesday, March 18, 2008 AT 09:55 AM
FILE: M:\projects\2007\07056_shahdb\Task01_A3A\CADD\Traffic\PLANS\MD 108 @ Mellenbrook Rd\MD108@MELLENBROOKSP.dgn