MD 144 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS TO REMAIN

16 — LEFT LANE MUST TURN LEFT — R3-7L (30"X30")

17a,17b,21a,21b — FRANKLIN ST — D-3(1) DUAL FACED (VARIES X16")

18 — ONLY — R3-5R (30"X36")

20

19 — WEST MARYLAND 144 EAST / EAST PATRICK ST — M1-5(4) (78"X24")

22 — ONLY — R3-5L (30"X36")

EXISTING SIGNS TO BE REMOVED

23 — LEFT TURN YIELD ON GREEN — 1 EACH 30"x36"

2 EACH 9"X12"

2 EACH 9"X12"

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

12 — FRANKLIN ST. — R10-3(1) (9" X 15")

13 — FRANKLIN ST. — R10-3(1) (9" X 15")

14 — PATRICK ST. — R10-3(1) (9" X 15")

15 — PATRICK ST. — R10-3(1) (9" X 15")

EXISTING SIGNALS TO REMAIN

1,2,5,6 — 12"

4 — 12"

3 — 12"/8"

7 — 12"

EXISTING SIGNALS TO BE REMOVED

4 EACH 12"

PROPOSED LED SIGNALS

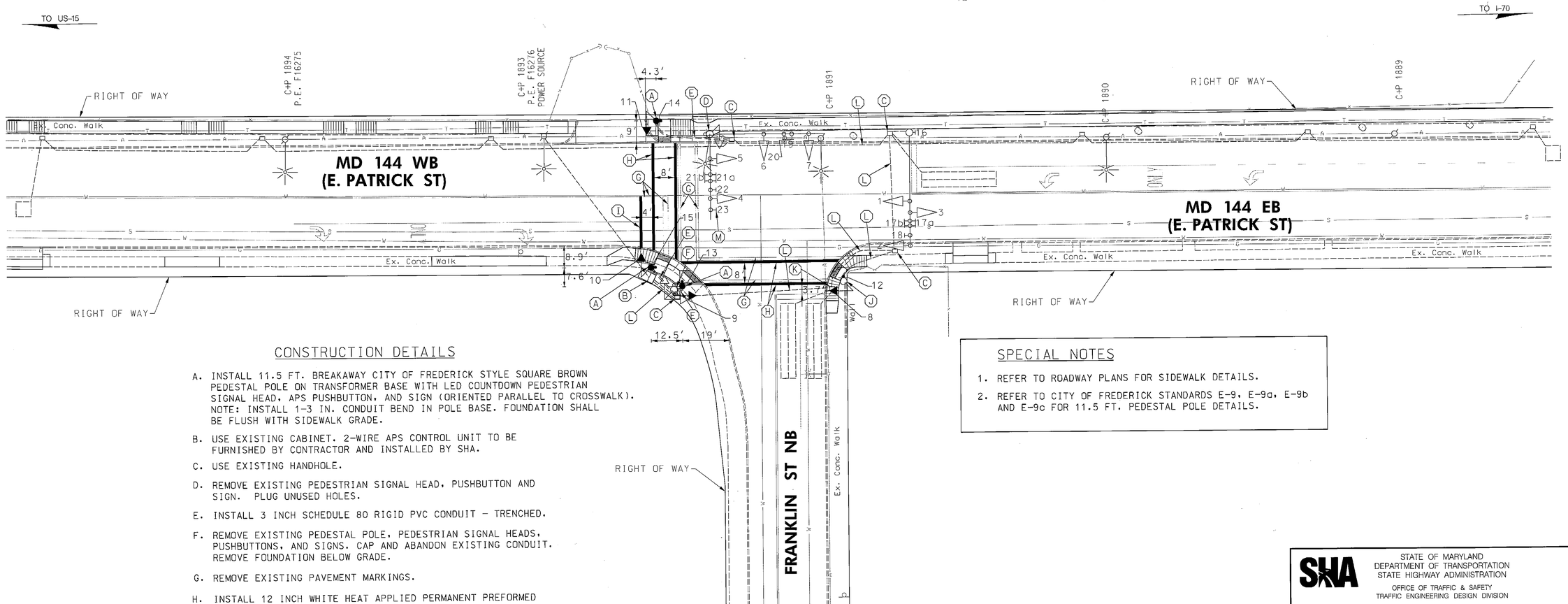
8-11 — 16"

NEMA PHASING

Ø2 Ø4 Ø4 ALT

Ø5 Ø6 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 11.5 FT. BREAKAWAY CITY OF FREDERICK STYLE SQUARE BROWN PEDESTAL POLE ON TRANSFORMER BASE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON, AND SIGN (ORIENTED PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. FOUNDATION SHALL BE FLUSH WITH SIDEWALK GRADE.

B. USE EXISTING CABINET. 2-WIRE APS CONTROL UNIT TO BE FURNISHED BY CONTRACTOR AND INSTALLED BY SHA.

C. USE EXISTING HANDHOLE.

D. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. PLUG UNUSED HOLES.

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

F. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS, AND SIGNS. CAP AND ABANDON EXISTING CONDUIT. REMOVE FOUNDATION BELOW GRADE.

G. REMOVE EXISTING PAVEMENT MARKINGS.

H. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

I. INSTALL 24 INCH (2-12 INCH) WHITE HEAT APPLIED PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

J. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). PLUG UNUSED HOLES.

K. ADJUST EXISTING HANDHOLE TO FINAL SIDEWALK GRADE.

L. USE EXISTING CONDUIT.

M. REMOVE EXISTING MAST ARM MOUNTED SIGN.

SPECIAL NOTES

1. REFER TO ROADWAY PLANS FOR SIDEWALK DETAILS.
2. REFER TO CITY OF FREDERICK STANDARDS E-9, E-9a, E-9b AND E-9c FOR 11.5 FT. PEDESTAL POLE DETAILS.

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: AMR

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

REVISIONS				
A	ADD APS PUSHBUTTONS, COUNTDOWN PED HEADS AND CROSSWALKS AX7065168			02-01-10
AMR		KB		

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

MD 144 @ FRANKLIN ROAD
FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 3/22/99 CONTRACT NO. FR360A54/B54

DESIGNED BY
DRAWN BY
CHECKED BY MAR
FAP NO. STP-G-7802(5)G

COUNTY FREDERICK
LOGMILE 1001440.405
TIMS NO. K065
TOD NO.

TS NO. 3881A | DRAWING SG-1 OF 2 | SHEET NO. 1 OF 2

PLOTTED: Monday, February 01, 2010 AT 11:38 AM
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