US 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

20,21 — R3-5L 30"X36"

22a,22b — D-3(1) VAR.X16" (DUAL FACED)

EXISTING SIGNS TO BE REMOVED

15a,16a — 9"X12"

17a,24a — 36"X36"

18a — 42"X36"

EXISTING LED SIGNALS TO REMAIN

1,2,5,6,7,8 — 12"

3,4 — 12"

10,11 — 16"

PROPOSED LED SIGNALS

9,12 — 16"

EXISTING LED SIGNALS TO BE REMOVED

9a,12a — 16"

NEMA PHASING

Ø1 Ø2 Ø4 FLASHING OPERATION

Ø6 Ø2 ALT. Ø4 ALT.

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

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

16 — COLESVILLE RD R10-3(1) 9"X15"

15 — COLESVILLE RD R10-3(1) 9"X15"

14 — FRANKLIN AVE R10-3(1) 9"X15"

13 — FRANKLIN AVE R10-3(1) 9"X15"

PROPOSED SIGNS

18 — W11-2 FY 36"X36" M6-2(1) FY 30"X24"

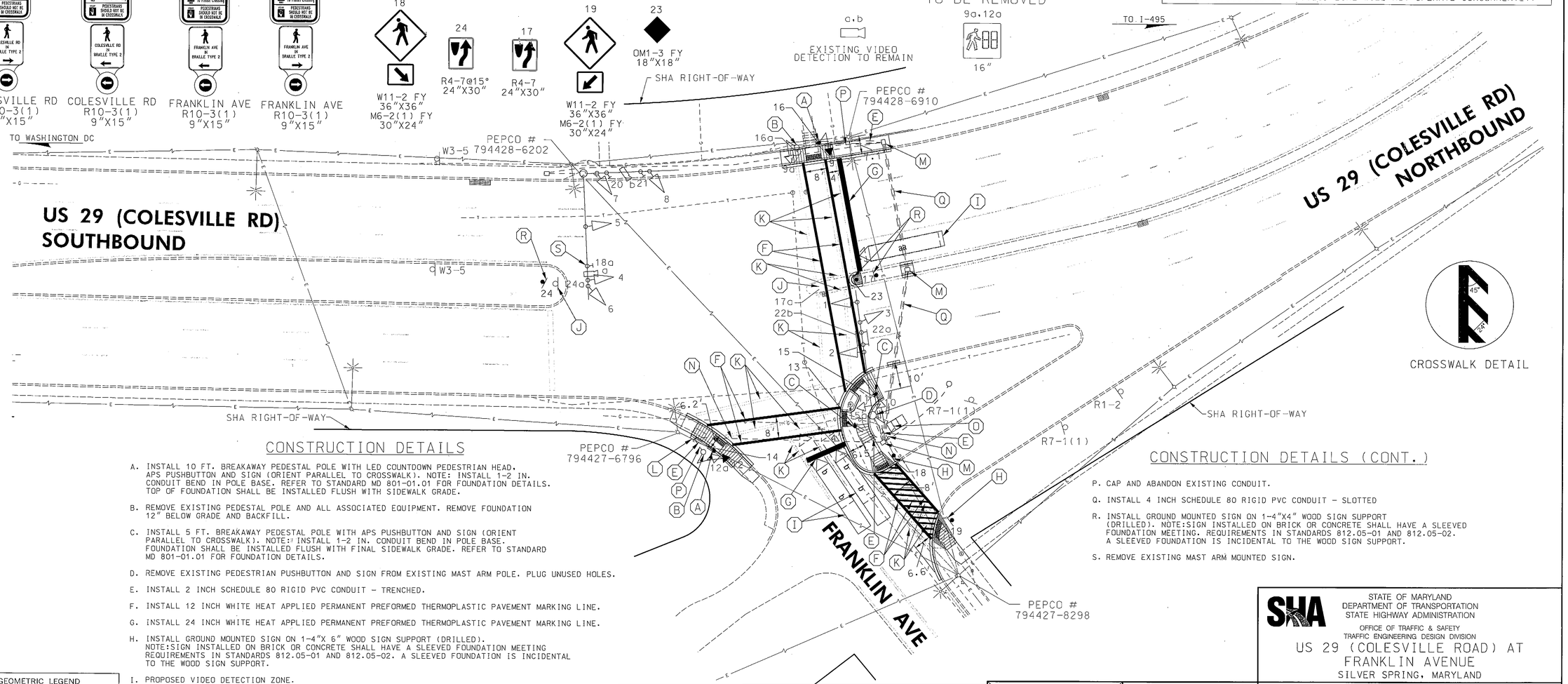
24 — R4-7@15° 24"X30"

17 — R4-7 24"X30"

19 — W11-2 FY 36"X36" M6-2(1) FY 30"X24"

23 — OM1-3 FY 18"X18"

a,b — EXISTING VIDEO DETECTION TO REMAIN



CROSSWALK DETAIL

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.

D. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND SIGN FROM EXISTING MAST ARM POLE. PLUG UNUSED HOLES.

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

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

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

H. INSTALL GROUND MOUNTED SIGN ON 1-4"X 6" WOOD SIGN SUPPORT (DRILLED). NOTE:SIGN 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.

I. PROPOSED VIDEO DETECTION ZONE.

J. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.

K. REMOVE EXISTING PAVEMENT MARKINGS.

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

M. USE EXISTING HANDHOLE.

N. USE EXISTING CONDUIT.

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

CONSTRUCTION DETAILS (CONT.)

P. CAP AND ABANDON EXISTING CONDUIT.

Q. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED

R. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT (DRILLED). NOTE:SIGN 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.

S. REMOVE EXISTING MAST ARM MOUNTED SIGN.

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

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

REVISIONS
D — CONST. ADA RAMPS AND ADD APS/CPS 03-2013
TIMS NO. L740 SHA NO.XY151185
PS — BJJ 03/27/13 RKK 03/27/13
AS-BUILT FOR 09-26-2006
C1 — INSTALLATION OF VIDEO CAMERAS SHA NO. M07175185 TIMS NO. G581
JWA
C — REPLACE LOOPS WITH VIDEO DETECTION CAMERAS 07-23-2004
SHA NO. M07175185
JWA

PLOTTED: Wednesday, March 27, 2013 AT 02:36 PM
FILE: \\balsnv03\v2006\2006\08148_toddes\Task 162_US 29 APS\CADD\pSG-0003_US29@FrankliinAve.dgn

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

US 29 (COLESVILLE ROAD) AT FRANKLIN AVENUE
SILVER SPRING, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE _____ CONTRACT NO. _____

DESIGNED BY _____ COUNTY MONTGOMERY
DRAWN BY _____ LOGMILE 15002901.85
CHECKED BY _____ TIMS NO. _____
FAP NO. _____ TOD NO. _____

TS NO. 73D | DRAWING SP-3 OF 6 | SHEET NO. 1 OF 3