BORDER REV: DATE: June 1, 2004

BY: eprange

PRINCE FREDERICK BLVD. IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED DETECTION ZONE

EXISTING DETECTION ZONE

OVERHEAD VIDEO DETECTION CAMERA

## PROPOSED SIGNS

36 — PUSH BUTTON TO CROSS STOAKLEY RD; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK; STREET NAME IN BRAILLE TYPE 2 — R10-3(I) 9" x 15"

37 — PUSH BUTTON TO CROSS STOAKLEY RD; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK; STREET NAME IN BRAILLE TYPE 2 — R10-3(I) 9" x 15"

38 — PUSH BUTTON TO CROSS N PR. FREDERICK BLVD; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK; STREET NAME IN BRAILLE TYPE 2 — R10-3(I) 9" x 15"

39 — PUSH BUTTON TO CROSS N PR. FREDERICK BLVD; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK; STREET NAME IN BRAILLE TYPE 2 — R10-3(I) 9" x 15"

## EXISTING SIGNALS

3,6,9,10, 11,14,15 — R Y G — 12"

1,4 — R Y G — 12"/8"

2,5 — R Y G — 12"

7,8, 12,13 — R Y G — 12"

## PROPOSED LED SIGNALS

16-19

16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

## EXISTING SIGNS

28 — W3-3 36" x 36"

33 — ONLY — R3-5L 30" x 36"

24 — ONLY — R3-5R 30" x 36"

30a,30b,34a,34b — N Prince Frederick BLVD — D-3(I) (VARIABLE x 16") DUAL FACE

23a,23b,27a,27b — Stoakley RD — D-3(I) (VARIABLE x 16") DUAL FACE

## NEMA PHASING

Ø1 Ø2 Ø3 Ø4

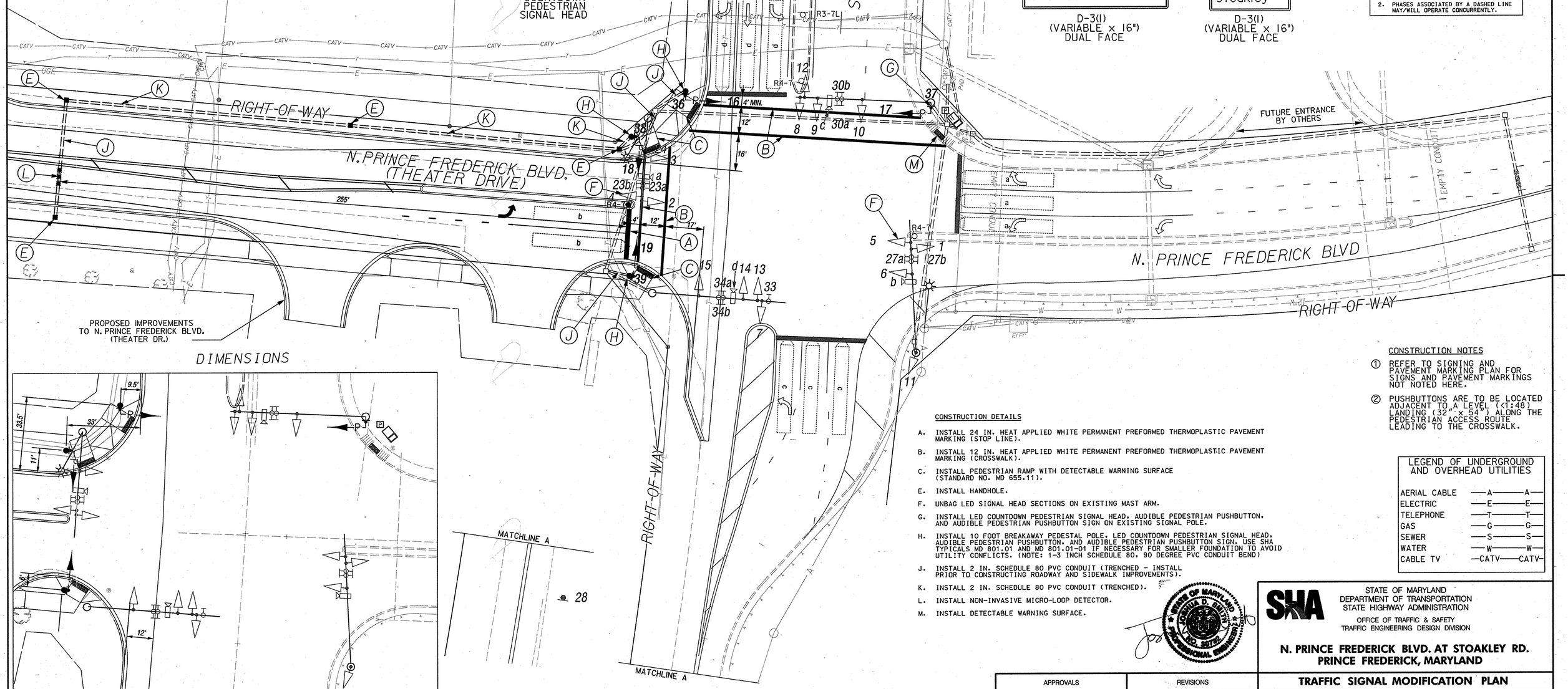
Ø5 Ø6 Ø7 Ø8

FLASHING OPERATION

ALT Ø8

**PHASING NOTES:**

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.




## DIMENSIONS




## CONSTRUCTION NOTES

① REFER TO SIGNING AND PAVEMENT MARKING PLAN FOR SIGNS AND PAVEMENT MARKINGS NOT NOTED HERE.

② PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (1:48) LANDING (32" x 54") ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.

## CONSTRUCTION DETAILS

A. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).

B. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).

C. INSTALL PEDESTRIAN RAMP WITH DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.11).

E. INSTALL HANDHOLE.

F. UNBAG LED SIGNAL HEAD SECTIONS ON EXISTING MAST ARM.

G. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN PUSHBUTTON, AND AUDIBLE PEDESTRIAN PUSHBUTTON SIGN ON EXISTING SIGNAL POLE.

H. INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN PUSHBUTTON, AND AUDIBLE PEDESTRIAN PUSHBUTTON SIGN. USE SHA TYPICALS MD 801.01 AND MD 801.01-01 IF NECESSARY FOR SMALLER FOUNDATION TO AVOID UTILITY CONFLICTS. (NOTE: 1-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)

J. INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED - INSTALL PRIOR TO CONSTRUCTING ROADWAY AND SIDEWALK IMPROVEMENTS).

K. INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED).

L. INSTALL NON-INVASIVE MICRO-LOOP DETECTOR.

M. INSTALL DETECTABLE WARNING SURFACE.

## LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

| | |
|---|---|
| AERIAL CABLE | —A——A— |
| ELECTRIC | —E——E— |
| TELEPHONE | —T——T— |
| GAS | —G——G— |
| SEWER | —S——S— |
| WATER | —W——W— |
| CABLE TV | —CATV—CATV— |

STATE OF MARYLAND — JOSHUA D. SMITH — NO. 30782 — PROFESSIONAL ENGINEER

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

# N. PRINCE FREDERICK BLVD. AT STOAKLEY RD. PRINCE FREDERICK, MARYLAND

## TRAFFIC SIGNAL MODIFICATION PLAN

SCALE 1" = 20' DATE 2/5/07 CONTRACT NO. BW966M82

DESIGNED BY JDS
DRAWN BY LMM/EAP
CHECKED BY JMC
F.A.P. NO. N/A

COUNTY CALVERT
LOGMILE 04CPR100.75
T.I.M.S. NO. I037
TOD NO.

DRAWING NO. 4556A

SHEET NO. 1 OF 2

| APPROVALS | REVISIONS |
|---|---|
| TEAM LEADER | |
| ASST. DIV. CHIEF | |
| DIVISION CHIEF | |
| OFFICE DIRECTOR | |

ORIGINAL ON FILE

A — SIGNAL MODIFICATION DUE TO NEW TURN LANE AND PEDESTRIAN IMPROVEMENTS — 2/5/07 — S.H.A. NO. BW966M82 — JDS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