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

PROPOSED LED SIGNALS

3,6,9,10, 11,14,15	1,4	2,5	7,8, 12,13
R, Y, G — 12"	R, Y, G, G — 12"/8"	R, Y, G, G — 12"	R, Y, G — 12"

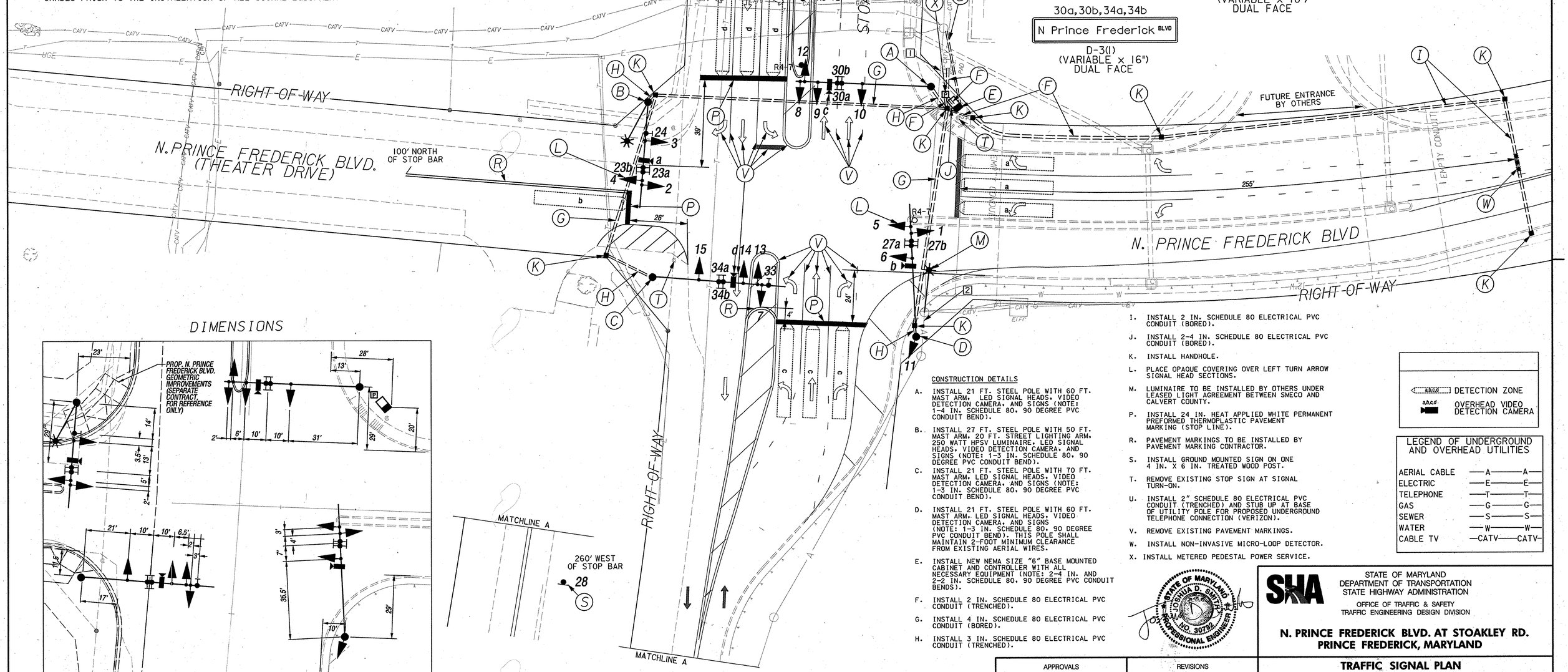
UTILITY HEIGHTS:

[1] PRIMARY = 36'-38'
SECONDARY = 31'
CABLE TV = 26'
TELEPHONE = 24'

[2] PRIMARY = 40'
SECONDARY = 28'
CABLE TV = 19'
TELEPHONE = 18'

GENERAL NOTES:

1. STOP SIGNS SHOULD BE REMOVED AT SIGNAL TURN-ON.
2. CONTRACTOR SHALL HAVE CATALOG CUTS APPROVED BY MDSHA PRIOR TO PURCHASING EQUIPMENT.
3. REFER TO SIGNING AND PAVEMENT MARKING PLAN FOR SIGNS AND PAVEMENT MARKINGS NOT NOTED HERE.
4. UNDERGROUND UTILIITIES TO BE STAKED-OUT PRIOR TO PURCHASE OF MAST ARMS.
5. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
6. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



PROPOSED SIGNS

28,32 — NEW

W3-3 (36" x 36") W/ "NEW" PANEL (24" x 24") AND FLAGS

(REMOVE "NEW" PANEL AND FLAGS FROM SIGN 28 AND WHOLE SIGN 32 ASSEMBLY AFTER 90 DAYS)

33 — ONLY — R3-5L 30" x 36"

24 — ONLY — R3-5R 30" x 36"

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

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

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø6 Ø7 Ø8

FLASHING OPERATION

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 DETAILS

A. INSTALL 21 FT. STEEL POLE WITH 60 FT. MAST ARM, LED SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS (NOTE: 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).

B. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, 20 FT. STREET LIGHTING ARM, 250 WATT HPSV LUMINAIRE, LED SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).

C. INSTALL 21 FT. STEEL POLE WITH 70 FT. MAST ARM, LED SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).

D. INSTALL 21 FT. STEEL POLE WITH 60 FT. MAST ARM, LED SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS). THIS POLE SHALL MAINTAIN 2-FOOT MINIMUM CLEARANCE FROM EXISTING AERIAL WIRES.

E. INSTALL NEW NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS).

F. INSTALL 2 IN. SCHEDULE 80 ELECTRICAL PVC CONDUIT (TRENCHED).

G. INSTALL 4 IN. SCHEDULE 80 ELECTRICAL PVC CONDUIT (BORED).

H. INSTALL 3 IN. SCHEDULE 80 ELECTRICAL PVC CONDUIT (TRENCHED).

I. INSTALL 2 IN. SCHEDULE 80 ELECTRICAL PVC CONDUIT (BORED).

J. INSTALL 2-4 IN. SCHEDULE 80 ELECTRICAL PVC CONDUIT (BORED).

K. INSTALL HANDHOLE.

L. PLACE OPAQUE COVERING OVER LEFT TURN ARROW SIGNAL HEAD SECTIONS.

M. LUMINAIRE TO BE INSTALLED BY OTHERS UNDER LEASED LIGHT AGREEMENT BETWEEN SMECO AND CALVERT COUNTY.

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

R. PAVEMENT MARKINGS TO BE INSTALLED BY PAVEMENT MARKING CONTRACTOR.

S. INSTALL GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. TREATED WOOD POST.

T. REMOVE EXISTING STOP SIGN AT SIGNAL TURN-ON.

U. INSTALL 2" SCHEDULE 80 ELECTRICAL PVC CONDUIT (TRENCHED) AND STUB UP AT BASE OF UTILITY POLE FOR PROPOSED UNDERGROUND TELEPHONE CONNECTION (VERIZON).

V. REMOVE EXISTING PAVEMENT MARKINGS.

W. INSTALL NON-INVASIVE MICRO-LOOP DETECTOR.

X. INSTALL METERED PEDESTAL POWER SERVICE.

a,b,c,d — DETECTION ZONE

a,b,c,d — OVERHEAD VIDEO DETECTION CAMERA

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. 30732 — 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 PLAN

APPROVALS		REVISIONS
TEAM LEADER	2/2007	
ASST. DIV. CHIEF	2-2-07	
DIVISION CHIEF	2/8/07	
OFFICE DIRECTOR	2/5	

SCALE 1" = 20' DATE 2/5/07 CONTRACT NO. BW996M82

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. 4556 SHEET NO. 1 OF 2

GREENHORNE & O'MARA
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PHONE: (410) 583-6700 FAX: (410) 583-6704
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FLORIDA GEORGIA MARYLAND NORTH CAROLINA PENNSYLVANIA VIRGINIA WEST VIRGINIA

PLOTTED: 2/5/2007
FILE: J:\TRANS\1494 - Prince Frederick Signal\CADD\TS01 v8 6.dgn

BORDER REV: DATE: June 1, 2004

BY: eprange