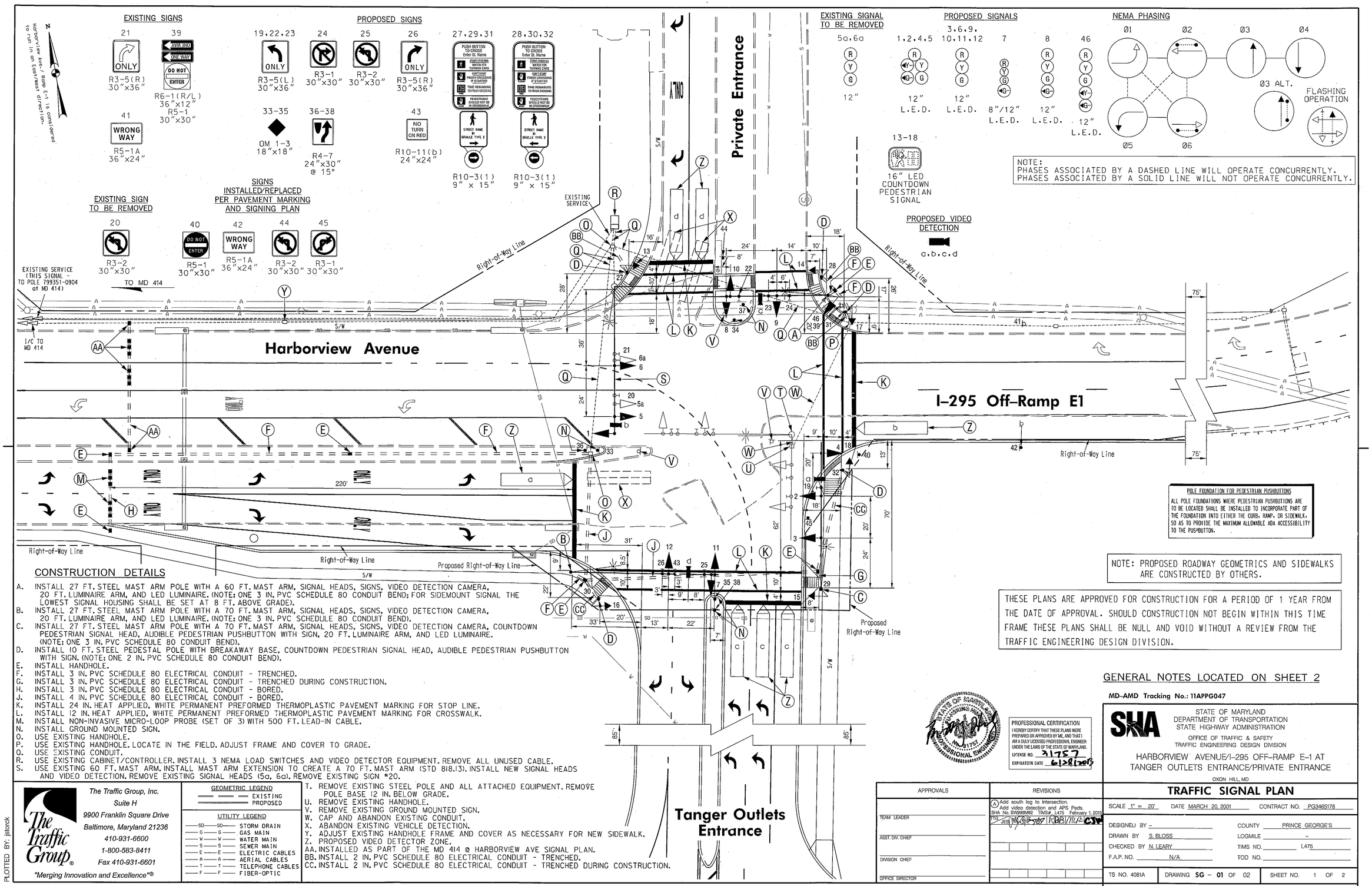

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LUMINAIRE ARM, AND LED LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND; FOR SIDEMOUNT SIGNAL THE LOWEST SIGNAL HOUSING SHALL BE SET AT 8 FT. ABOVE GRADE).
B. INSTALL 27 FT. STEEL MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LUMINAIRE ARM, AND LED LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL 27 FT. STEEL MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN PUSHBUTTON WITH SIGN, 20 FT. LUMINAIRE ARM, AND LED LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN PUSHBUTTON WITH SIGN. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL HANDHOLE.
F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED DURING CONSTRUCTION.
H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
K. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
L. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
M. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3) WITH 500 FT. LEAD-IN CABLE.
N. INSTALL GROUND MOUNTED SIGN.
O. USE EXISTING HANDHOLE.
P. USE EXISTING HANDHOLE. LOCATE IN THE FIELD. ADJUST FRAME AND COVER TO GRADE.
Q. USE EXISTING CONDUIT.
R. USE EXISTING CABINET/CONTROLLER. INSTALL 3 NEMA LOAD SWITCHES AND VIDEO DETECTOR EQUIPMENT. REMOVE ALL UNUSED CABLE.
S. USE EXISTING 60 FT. MAST ARM. INSTALL MAST ARM EXTENSION TO CREATE A 70 FT. MAST ARM (STD 818.13). INSTALL NEW SIGNAL HEADS AND VIDEO DETECTION. REMOVE EXISTING SIGNAL HEADS (5a, 6a). REMOVE EXISTING SIGN #20.
T. REMOVE EXISTING STEEL POLE AND ALL ATTACHED EQUIPMENT. REMOVE POLE BASE 12 IN. BELOW GRADE.
U. REMOVE EXISTING HANDHOLE.
V. REMOVE EXISTING GROUND MOUNTED SIGN.
W. CAP AND ABANDON EXISTING CONDUIT.
X. ABANDON EXISTING VEHICLE DETECTION.
Y. ADJUST EXISTING HANDHOLE FRAME AND COVER AS NECESSARY FOR NEW SIDEWALK.
Z. PROPOSED VIDEO DETECTOR ZONE.
AA. INSTALLED AS PART OF THE MD 414 @ HARBORVIEW AVE SIGNAL PLAN.
BB. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
CC. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED DURING CONSTRUCTION.

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"Merging Innovation and Excellence"®

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

POLE FOUNDATION FOR PEDESTRIAN PUSHBUTTONS

ALL POLE FOUNDATIONS WHERE PEDESTRIAN PUSHBUTTONS ARE TO BE LOCATED SHALL BE INSTALLED TO INCORPORATE PART OF THE FOUNDATION INTO EITHER THE CURB, RAMP, OR SIDEWALK, SO AS TO PROVIDE THE MAXIMUM ALLOWABLE ADA ACCESSIBILITY TO THE PUSHBUTTON.

NOTE: PROPOSED ROADWAY GEOMETRICS AND SIDEWALKS ARE CONSTRUCTED BY OTHERS.

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

GENERAL NOTES LOCATED ON SHEET 2

MD-AMD Tracking No.: 11APPG047

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 21757
EXPIRATION DATE 6/28/2013

APPROVALS	REVISIONS
TEAM LEADER	A Add south leg to intersection. Add video detection and APS Peds. SHA No. BW9986M82 TMS# L475 February 1, 2013 JES WCA 787 KBB/NLA CTW
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

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

HARBORVIEW AVENUE/I-295 OFF-RAMP E-1 AT TANGER OUTLETS ENTRANCE/PRIVATE ENTRANCE
OXON HILL, MD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE MARCH 20, 2001 CONTRACT NO. PG3465178
DESIGNED BY _____ COUNTY PRINCE GEORGE'S
DRAWN BY S. BLOSS LOGMILE -
CHECKED BY N. LEARY TIMS NO. L475
F.A.P. NO. N/A TOD NO. _____
TS NO. 4081A DRAWING SG - 01 OF 02 SHEET NO. 1 OF 2

PLOTTED: Friday, February 01, 2013 AT 01:18 PM
FILE: F:\2011\2011-1111\Des\SG-P001_Harborview@Off-Ramp E_Tanger Entr.dgn

PLOTTED BY: jstorck