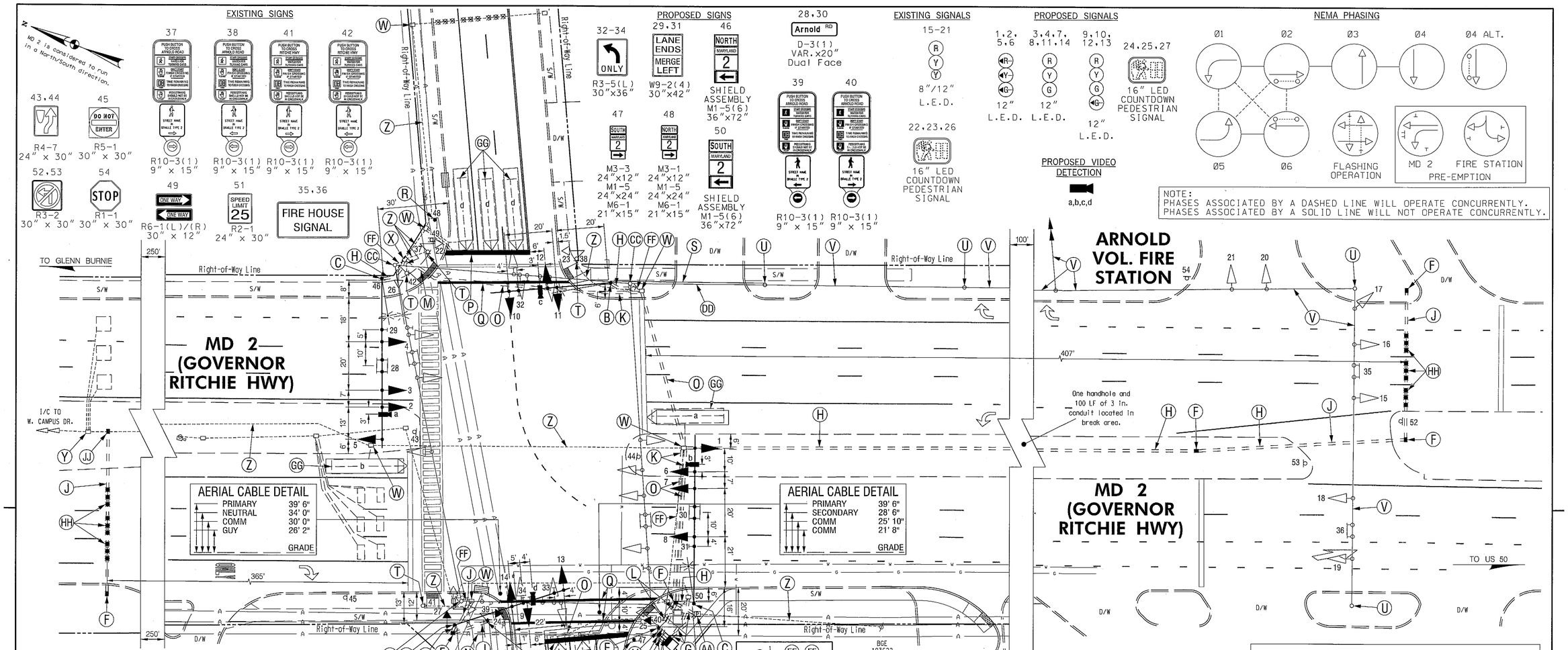

NOTE:
ANY WORK PERTAINING TO THE RED-LIGHT-CAMERA EQUIPMENT SHALL BE PERFORMED BY OTHERS.

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 OF 2

CONSTRUCTION DETAILS

A. INSTALL A NEMA SIZE "S" BASE MOUNTED CABINET WITH UPS. EXISTING CONTROLLER AND APS PEDESTRIAN CONTROLLER AND LOOP DETECTOR AMPLIFIERS SHALL BE RELOCATED FROM EXISTING CABINET. (NOTE: TWO-4 IN. PVC, AND THREE-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
B. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, 20 FT. LUMINAIRE ARM, AND LED LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND ONE 3 IN. WEATHERHEAD).
C. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 15 FT. LUMINAIRE ARM, AND LED LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 21 FT. (CUT FROM A 27 FT.) STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD AND VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN PUSHBUTTON AND PEDESTRIAN INSTRUCTIONAL SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
F. INSTALL HANDHOLE.
G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED DURING CONSTRUCTION.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - HAND TRENCH UNDER SIDEWALK.
N. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED UNDER SIDEWALK.
O. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED IN ROADWAY.
P. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
Q. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
R. INSTALL GROUND MOUNTED SIGN.
S. INSTALL NEW SPAN WIRE. ATTACH TO NEW SIGNAL POLE AND EXISTING STEEL STRAIN POLE (FIRE HOUSE SIGNAL EQUIPMENT).
T. USE EXISTING PEDESTAL POLE WITH PEDESTRIAN EQUIPMENT. INSTALL NEW SIGNAL CABLES.
U. USE EXISTING STEEL STRAIN POLE (FIRE HOUSE SIGNAL EQUIPMENT).
V. USE EXISTING SPAN WIRE. REMOVE EXISTING 5-CONDUCTOR CABLES. INSTALL NEW 5-CONDUCTOR CABLES FOR FIRE HOUSE SIGNAL EQUIPMENT.
W. USE EXISTING HANDHOLE.
X. USE EXISTING HANDHOLE. PULL BACK EXISTING MICRO-LOOP PROBE CABLE. RE-ROUTE TO NEW CABINET.
Y. USE EXISITNG HANDHOLE. PULL BACK EXISTING I/C AND SAMPLE LOOP DETECTOR CABLES. RE-ROUTE TO NEW CABINET.
Z. USE EXISTING CONDUIT.
AA. USE EXISTING POWER PEDESTAL.

CONSTRUCTION DETAILS Cont.

BB. REMOVE EXISTING CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE. EXISTING CONTROLLER SHALL BE RELOCATED TO NEW CABINET.
CC. REMOVE EXISTING STEEL POLE AND ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE.
DD. REMOVE EXISTING SPAN WIRE AND 5-CONDUCTOR CABLE (FOR FIRE HOUSE EQUIPMENT).
EE. REMOVE EXISTING HANDHOLE.
FF. CAP AND ABANDON EXISTING CONDUIT.
GG. ABANDON EXISTING VEHICLE DETECTION.
HH. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
JJ. INSTALL HANDHOLE ON EXISTING 3 IN. CONDUIT RUN.

The Traffic Group, Inc.
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1-800-583-8411
Fax 410-931-6601
"Merging Innovation and Excellence"®

PLOTTED BY: JStorck

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

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

REVISIONS
L Geometric improvements to SW quadrant. Change to Mast arm. Now fully actuated.
SHA No. BW996M82 TIMS# M033 AUG. 29, 2013
TTG JES MLP CJW
K Replace piezo and loops for RLRC.
SHA No. BW313M63 TIMS# L-083 FEB. 20, 2012
DD
J Install battery back-up.
SHA No. BW996M82 NOV. 20, 2011
FJA

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.: 31757
EXPIRATION DATE: 6/28/2015

STATE OF MARYLAND FUANSHENG HUANG No. 31757 PROFESSIONAL ENGINEER

MD-AMD Tracking No.: 10APAA020

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

MD 2 (GOVERNOR RITCHIE HWY) AT ARNOLD ROAD WITH ARNOLD VOL. FIRE STATION SIGNAL
ARNOLD, MD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE APRIL 8, 1973	CONTRACT NO.	A-810-2-576
DESIGNED BY J. SPENCE		COUNTY	ANNE ARUNDEL
DRAWN BY J. SPENCE		LOGMILE	02000225.12
CHECKED BY		TIMS NO.	
F.A.P. NO. N/A		TOD NO.	N/A
TS NO. 324L	DRAWING SG – 01 OF 01	SHEET NO.	1 OF 2

PLOTTED: Thursday, August 29, 2013 AT 11:39 AM
FILE: F:\2012\2012-0405\DES\pSG-P101_MD 2 @ Arnold.dgn