DRILL HOLES

US 1 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS & SIGNING

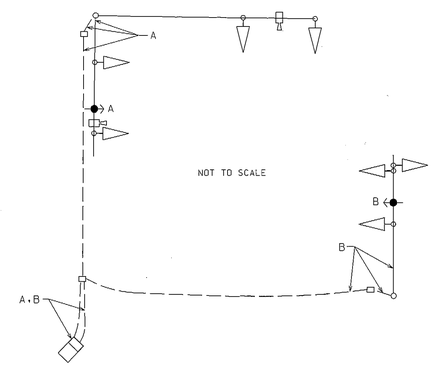
1.2.5-7 — 12"
3 — 8"/12"
4 — 12"
8.9 — 16" COUNTDOWN
10.11.12.13 — Maier RD — D-3(2) (DUAL FACED) (VAR.x16")
16 — PUSHBUTTON PEDESTRIAN INSTRUCTION, PUSHBUTTON PEDESTRIAN INSTRUCTION, PEDESTRIAN CROSSING, PEDESTRIAN CROSSING, PEDESTRIAN ACTUATED SIGNAL, WARNING BEACON — R10-4(1)MOD (9"x15")
17 — PUSHBUTTON PEDESTRIAN INSTRUCTION, PUSHBUTTON PEDESTRIAN INSTRUCTION, PEDESTRIAN CROSSING, PEDESTRIAN CROSSING, PEDESTRIAN ACTUATED SIGNAL, WARNING BEACON — R10-4(1)MOD (9"x15")
18 — NORTH 1 — SHIELD ASSEMBLY (24"x21")
19 — SOUTH 1 — SHIELD ASSEMBLY (36"x12")
20 — Washington BLVD — D-3(2) (VAR.x16")
21.24 — NEW — W3-3 FY (48"x48") + D95-25 (24"x24")
22.25 — Maier Road NEXT SIGNAL — D-3(3) (96"x30")
23 — Lynn Buff Ct — W2-2 FY (48"x48") + D-3(2)MOD FY (84"x16")
a.b — VIDEO DETECTION CAMERA

PROPOSED OPTICOM

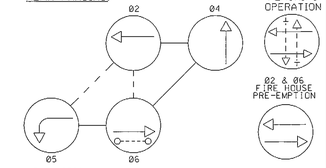
14.15 — OPTICOM DETECTOR EYE

WIRING DIAGRAM

A-B = 4-CONDUCTOR OPTICOM CABLE



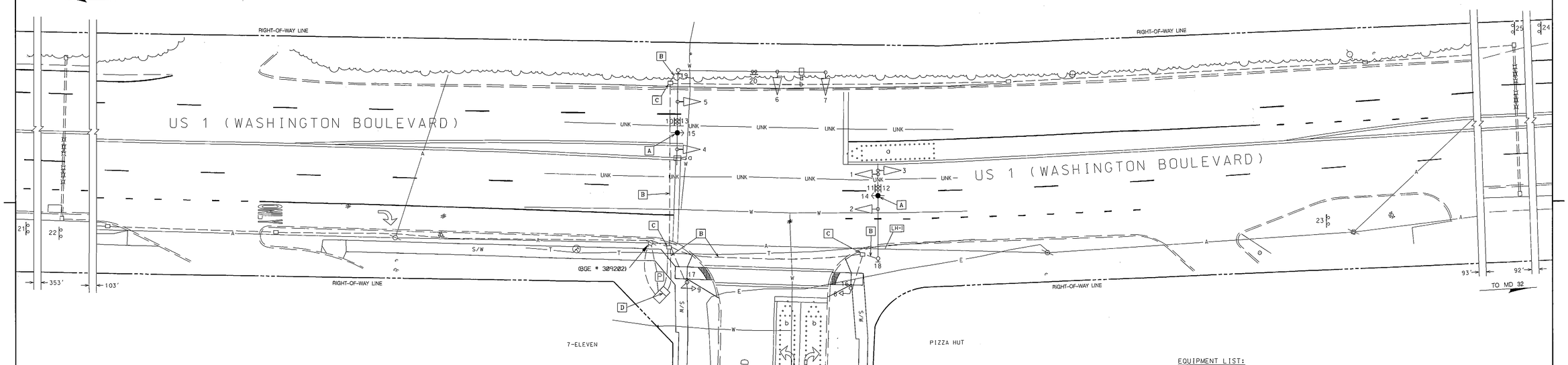
NEMA PHASING:



NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED OPTICOM ON THE EXISTING MAST ARM.
B. USE THE EXISTING CONDUIT.
C. USE THE EXISTING HANDHOLE.
D. USE THE EXISTING CONTROLLER CABINET.



PHASE CHART

	1	2	3	4	5	6	7	8,9	
PHASE 2 & 5	R	R	◀G-G	◀G-G	G	R	R	DW	
5 CHANGE	R	R	◀Y-G	◀Y-G	G	R	R	DW	
PHASE 2 & 6	G	G	G	G	G	R	R	WK	
PED. CLEAR	G	G	G	G	G	R	R	FL/DW	
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	DW	
PHASE 4	R	R	R	R	R	G	G	DW	
4 CHANGE	R	R	R	R	R	Y	Y	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	

FIRE HOUSE PRE-EMPTION PHASE 2 & 6

FIRE HOUSE PRE-EMPTION PHASE 2 & 6	G	G	G	G	G	R	R	DW
PRE-EMPTION CLEARANCE	Y	Y	Y	Y	Y	R	R	DW
PHASE 2 & 6 NORMAL OPERATION	G	G	G	G	G	R	R	DW

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER- TRAFFIC
PHONE: (301) 624-8140

MS. SUE PALMER
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105

MS. ANDREA ABEND
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 624-8115

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

NOTES TO THE CONTRACTOR:

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS.

TOD NO: XX650-04
SHA NO: H0221B51
US 1 @ Maier Road

EQUIPMENT LIST:

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8023	1 EACH	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8032	410 L.F.	F & I 4-CONDUCTOR OPTICOM CABLE
8047	1 EACH	F & I DISCRIMINATOR MODULE 4-CHANNNEL NO. 764
8048	2 EACH	F & I OPTICOM 721 DETECTOR EYE

LINE HEIGHTS (LH-1)

COMMUNICATION:	18'-6"
COMMUNICATION:	19'-1"
COMMUNICATION:	19'-9"
COMMUNICATION:	20'-1"
COMMUNICATION:	21'-9"
COMMUNICATION:	22'-1"
COMMUNICATION:	23'-3
COMMUNICATION:	25'-0"
SECONDARY:	30'-0"+
PRIMARY:	35'-0"+

GEOMETRIC LEGEND
PROPOSED
EXISTING

UTILITY LEGEND
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
D — STORM DRAIN

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

REVISIONS
A. 09/2011 - INSTALL EMERGENCY PRE-EMPTION (EVP - OPTICOM) ALONG N/B & S/B US 1:
SHA NO. XX650518S1; TIMS NO. X816

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 1 (WASHINGTON BOULEVARD) AND MAIER ROAD

LAUREL, MARYLAND

SCALE 1"= 20' DATE 02/2007 CONTRACT NO. AT7835185

DESIGNED BY: SBS of STV Inc. COUNTY: HOWARD
DRAWN BY: SBS of STV Inc. LOGMILE: 13000101.41
CHECKED BY: RAB of STV Inc. TIMS NO.: H968
F.A.P. NO.: TOD NO.:

DRAWING NO. 4542A - OF SHEET NO. 1 OF 1