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

EXISTING SIGNALS

1-4 R Y G 12"

5-10 16" LED COUNTDOWN PEDESTRIAN SIGNAL

a,b EXISTING VIDEO DETECTION

EXISTING OPTICOM

EXISTING SIGNS

17 R3-1 (30"x30") MAST ARM

13 R3-2 (30"x30") MAST ARM

14 Talbot AVE D-3(2) (VAR.X16")

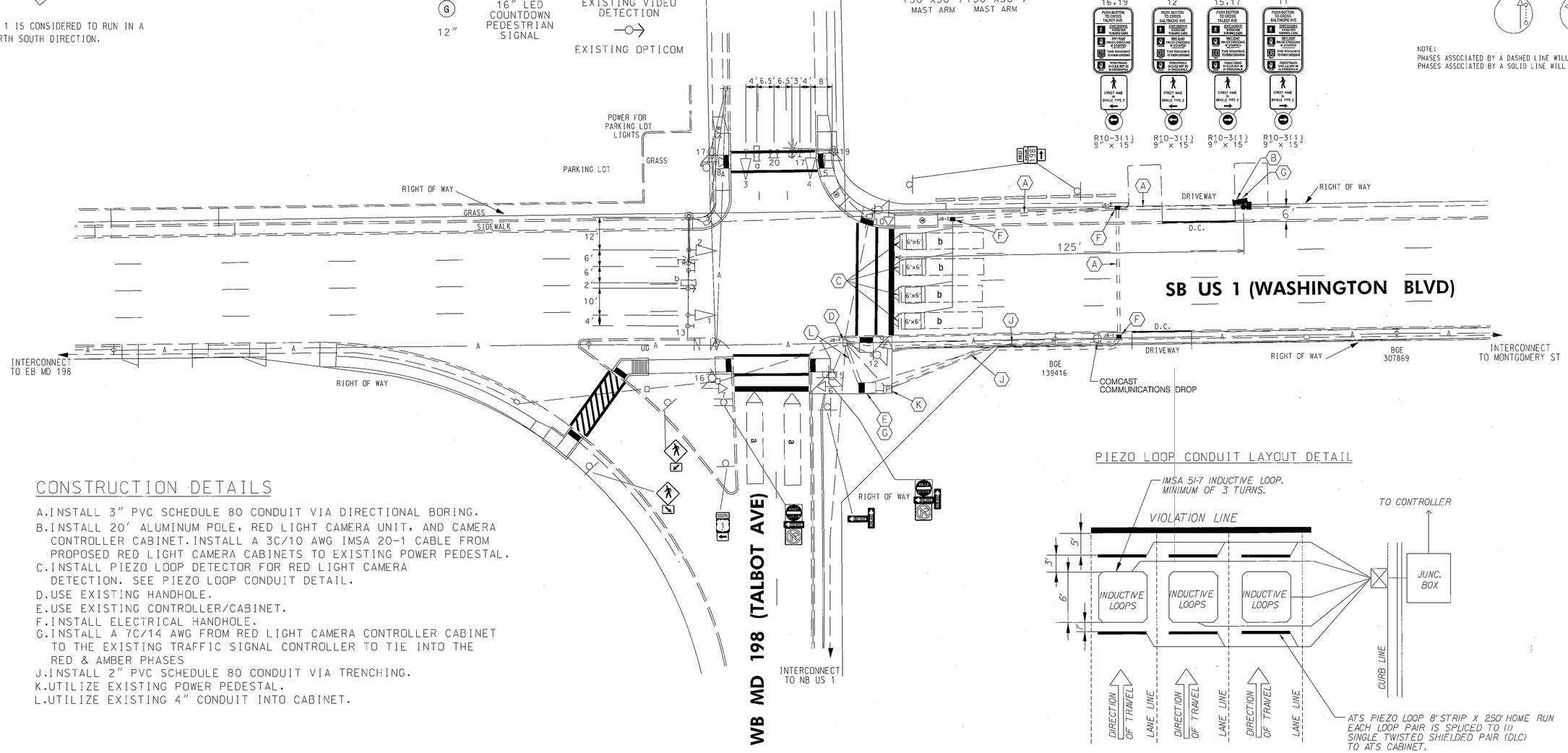
20 Baltimore AVE D-3(2) (VAR.X16")

16,19 12 15,17 11 PUSH BUTTON TO CROSS TALBOT AVE / PUSH BUTTON TO CROSS BALTIMORE AVE — STREET NAME IN SMALLE TYPE 2 — R10-3(1) 9" x 15"

NEMA PHASING

Ø2 Ø4 ALT Ø4 PRE-EMPTION 1 PRE-EMPTION 2 FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. INSTALL 3" PVC SCHEDULE 80 CONDUIT VIA DIRECTIONAL BORING.
B. INSTALL 20' ALUMINUM POLE, RED LIGHT CAMERA UNIT, AND CAMERA CONTROLLER CABINET. INSTALL A 3C/10 AWG IMSA 20-1 CABLE FROM PROPOSED RED LIGHT CAMERA CABINETS TO EXISTING POWER PEDESTAL.
C. INSTALL PIEZO LOOP DETECTOR FOR RED LIGHT CAMERA DETECTION. SEE PIEZO LOOP CONDUIT DETAIL.
D. USE EXISTING HANDHOLE.
E. USE EXISTING CONTROLLER/CABINET.
F. INSTALL ELECTRICAL HANDHOLE.
G. INSTALL A 7C/14 AWG FROM RED LIGHT CAMERA CONTROLLER CABINET TO THE EXISTING TRAFFIC SIGNAL CONTROLLER TO TIE INTO THE RED & AMBER PHASES
J. INSTALL 2" PVC SCHEDULE 80 CONDUIT VIA TRENCHING.
K. UTILIZE EXISTING POWER PEDESTAL.
L. UTILIZE EXISTING 4" CONDUIT INTO CABINET.

PIEZO LOOP CONDUIT LAYOUT DETAIL

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

Red Light Camera
SHA No: BW313M83
SB US 1 @ WB MD 198

REVISIONS			
D	INSTALL RED LIGHT CAMERA FOR SB APPROACH		
MCM	CJS	RALS	DAZ SAS TH
C	RECONSTRUCT SIGNAL DUE TO ACCIDENT		
XX4455185		NOVEMBER 2008	
CJS			

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
SOUTHBOUND US 1 (BALTIMORE AVENUE)
AT MD 198 WB (TALBOTT AVENUE)

DRAWN BY:	TW	F.A.P. NO.		TS NO. 1636D	SHEET NO.
CHECKED BY:	SR	S.H.A. NO.	PG1115284		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. ~~0000~~ I926	1 OF 1
DATE:	SEPTEMBER, 2002	LOG MILE:	160001013.58		