MD 355 (ROCKVILLE PIKE) IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

EXISTING SIGNS

29 — Rockville Pike — NORTH MARYLAND 355 SOUTH — D-3(2) (VAR.X16") M95-1 78" X 24"

30 — Rockville Pike — SOUTH MARYLAND 355 NORTH — D-3(2) (VAR.X16") M95-1 78" X 24"

31,32 — Halpine RD — D-3(2) (VAR.X16")

33,34 — ONLY — R3-5L 30" X 36"

35 — ONLY — R3-5R 30" X 36"

36,37 38 — R4-7 24" X 30"

39 — RIGHT LANE MUST TURN RIGHT EXCEPT BUSES — R3-7R 30" X 40"

EXISTING SIGNS TO BE REMOVED

ONLY ONLY — HALPINE RD — RIGHT LANE MUST TURN RIGHT EXCEPT BUSES

EXISTING ACCESSIBLE PUSHBUTTON AND SIGN

PUSH BUTTON TO CROSS ROCKVILLE PIKE — START CROSSING WATCH FOR TURNING VEHICLES — ONCE SIGNAL FINISHES FLASHING DON'T START CROSSING — TIME REMAINING — PEDESTRIANS MUST FINISH CROSSING IN CROSSWALK

PUSH BUTTON TO CROSS HALPINE ROAD — R10 — 4(1) MOD 9" x 15"

ROCKVILLE PIKE SIGNALE TYPE 3 — HALPINE ROAD SIGNALE TYPE 3

21,22 23,24 ROCKVILLE PIKE — 25,26,27 28 HALPINE ROAD

EXISTING SIGNALS TO BE REMOVED

12" 12" 12"

EXISTING L.E.D. SIGNALS

(ALL SIGNAL HEADS TO HAVE BLACK FACES)

1,2 4,5 — R Y G — 12"

3,6,7,8 9,10,11,12 — R Y G — 12"

EXISTING PED. SIGNALS

13-20 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

NEMA PHASING

01 02 04 04 ALT. 05 06 08 08 ALT.

FLASHING OPERATION

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

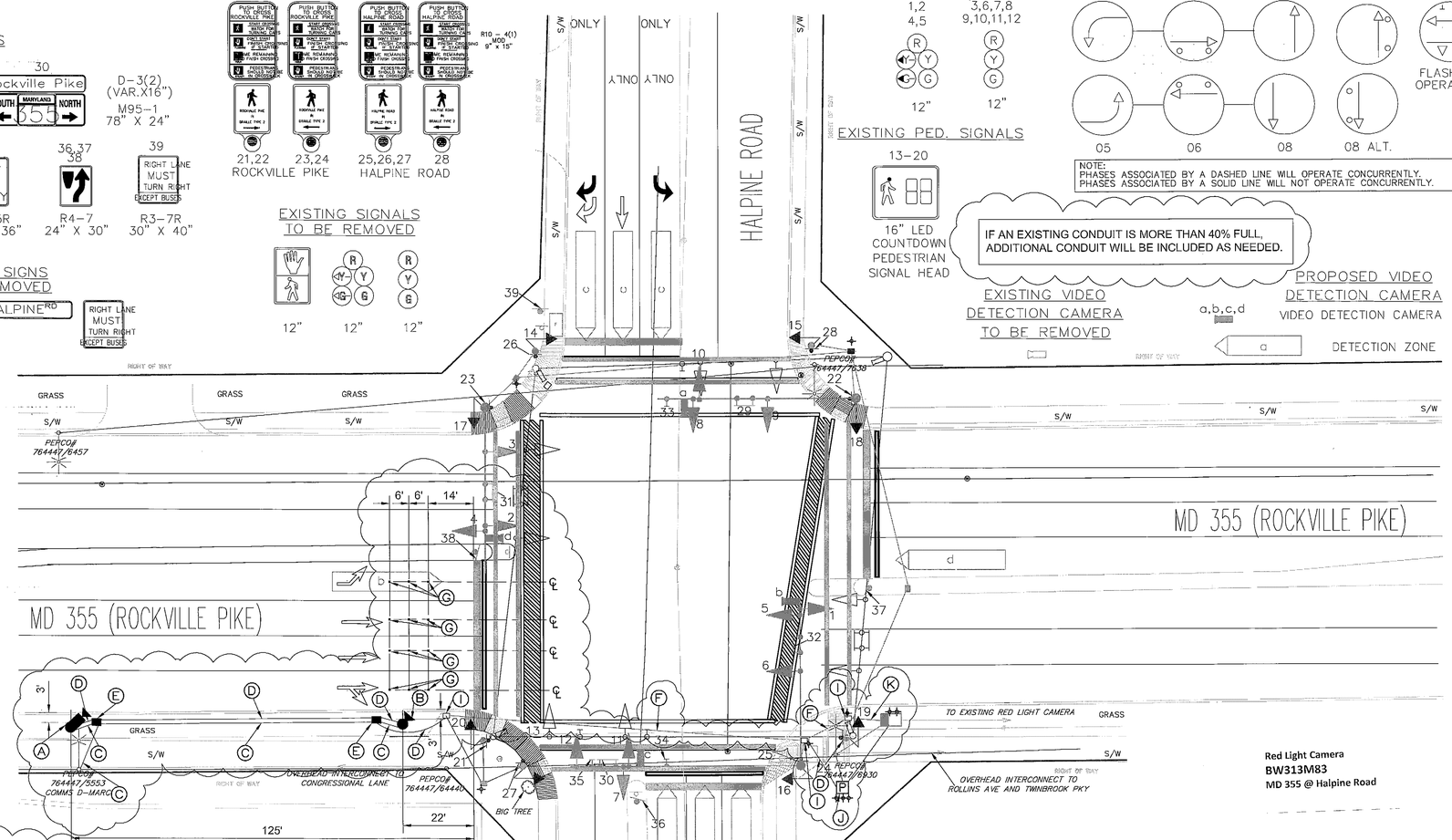
IF AN EXISTING CONDUIT IS MORE THAN 40% FULL, ADDITIONAL CONDUIT WILL BE INCLUDED AS NEEDED.

EXISTING VIDEO DETECTION CAMERA TO BE REMOVED

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

VIDEO DETECTION CAMERA

DETECTION ZONE

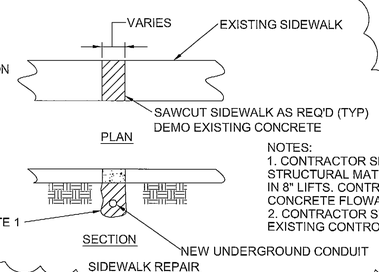


Red Light Camera
BW313M83
MD 355 @ Halpine Road

NOTE:
CONTRACTOR SHALL USE A RED PROTECTIVE SLEEVE TO SEPARATE THE REDLIGHT CAMERA SYSTEM WIRES FROM EXISTING SHA SIGNAL WIRES AT ALL TIMES WHEN ROUTING THROUGH EXISTING CONDUIT, HANDHOLES, SIGNAL STRUCTURES, AND SPAN WIRES.

CONSTRUCTION DETAILS

A. INSTALL CAMERA UNIT, 10' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
B. INSTALL FLASH UNITS, RECEIVERS, 14' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
C. INSTALL 2" PVC SCH 80 COMMS CONDUIT - TRENCHED.
D. INSTALL 2: PVC SCH 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL #5 PULLBOX.
F. USE EXISTING CONDUIT (REFER TO "RED PROTECTIVE SLEEVE" NOTE ON THIS SHEET).
G. INSTALL SENSYS SENSOR CUBE.
H. INSTALL 2" PVC SCH. 80 COMMS CONDUIT - BORED.
I. USE EXISTING HAND HOLE.
J. EXISTING METERED POWER PEDESTAL.
K. USE EXISTING CONDUIT FROM EXISTING HANDHOLE TO EXISTING CONTROLLER CABINET (REFER TO "RED PROTECTIVE SLEEVE" NOTE ON THIS SHEET).



SIDEWALK REPAIR

NOTES:
1. CONTRACTOR SHALL BACKFILL WITH STRUCTURAL MATERIAL AND MANUALLY COMPACT IN 8" LIFTS. CONTRACTOR MAY USE 1000 PSI LEAN CONCRETE FLOWABLE FILL AS AN ALTERNATIVE.
2. CONTRACTOR SHALL SAW CUT SIDEWALK AT EXISTING CONTROL JOINT.

THIS DRAWING IS ISSUED AND STAMPED FOR RED LIGHT CAMERA INSTALLATION IN THE CLOUDED AREA ONLY

NOTE:
CONTRACTOR SHALL INSTALL JET LINE IN NEW COMMS CONDUIT FOR PULLING OF FUTURE CABLE

SPECIAL NOTE:
CONTRACTOR SHALL TEST PIT TO VERIFY LOCATION OF EXISTING CONDUIT AND UTILITY RUNS THAT WILL BE IN CLOSE PROXIMITY TO NEW EQUIPMENT INSTALLATIONS.

STATE OF MARYLAND
WAYNE CHEEK
No. 17176
PROFESSIONAL ENGINEER
Wayne Cheek 5/22/12

APPROVALS	
TEAM LEADER	0 Rigmar
ASST. DIV. CHIEF	OW
DIVISION CHIEF	File
OFFICE DIRECTOR	

REVISIONS	
F	RED LIGHT CAMERA INSTALLATION TIMS # L438 05/18/12
JSC	1/25/07 WDB MLP MLP MLP
E 1/1/2007	RECONSTRUCT TRAFFIC SIGNAL MAST ARMS/APS SHA# AT9105185
D 6/2005	REPLACE LOOP DETECTORS WITH VIDEO SHA# AT7245185

PLOTTED: $DATETIME$
FILE: $FILE$

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

TRAFFIC SIGNAL PLAN
MD 355 (ROCKVILLE PIKE) SB AND HALPINE ROAD

SCALE 1"=20' ADVERTISED DATE 6/16/1975 CONTRACT NO M-294-501-385

DESIGNED BY
DRAWN BY
CHECKED BY
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15035507.36
TIMS NO.
TOD NO.

DRAWING NO. 10 76 F — OF — SHEET NO. 1 OF 2

ACS
A xerox Company
12410 MILESTONE CENTER DR. 4TH FLOOR
GERMANTOWN, MD 20876

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

DRILL HOLES

Border Rev. Date: March12500607

BY: $USERNAME$