DRILL HOLES

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BORDER REV: DATE: June 1, 2004

DRILL HOLES

EXISTING SIGNS

24 — R3-5(R) 30" x 36"

20a,20b — D-3(1) (DUAL-FACED) VARIABLE X 16"

28 — M95-1 78"x 24"

EXISTING SIGNS

19 — R7-1 — TO BE RELOCATED

21 — R7-1(I)

22 — R8-7(I)

23 — R7-1

25,26 — R7-1

27 — R2-1

EXISTING LED SIGNALS PROPOSED LED SIGNALS

1.5, 3.4, 2.6-10 — 12"

11-18 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

▭ = VIDEO DETECTION CAMERA (o-d)

NEMA PHASING

Ø1 Ø2 Ø4 Ø4 ALT Ø5 Ø6 Ø8 Ø8 ALT

FLASHING OPERATION

PROPOSED SIGNS

R10-3(1) 9" x 15"

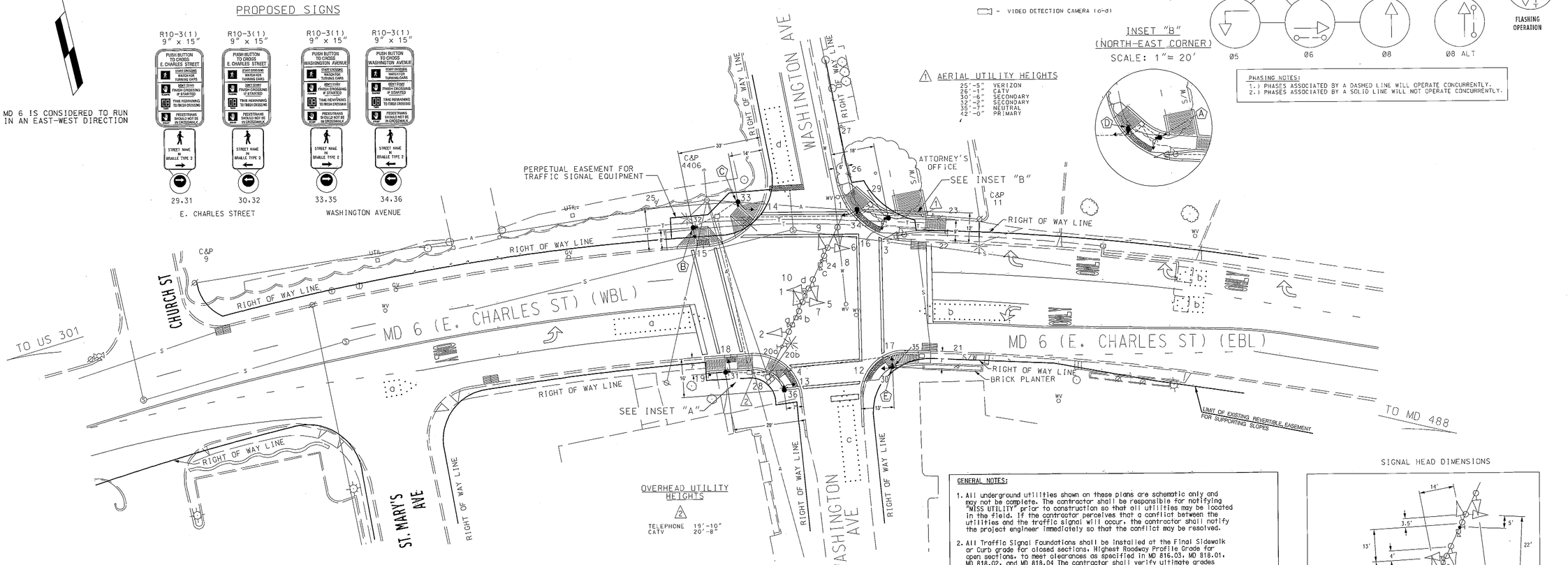
29,31 — E. CHARLES STREET

30,32 — E. CHARLES STREET

33,35 — WASHINGTON AVENUE

34,36 — WASHINGTON AVENUE

MD 6 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION



AERIAL UTILITY HEIGHTS

1	25'-5"	VERIZON
	26'-1"	CATV
	30'-6"	SECONDARY
	32'-2"	SECONDARY
	35'-7"	NEUTRAL
	42'-0"	PRIMARY

INSET "B" (NORTH-EAST CORNER)

SCALE: 1"= 20'

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

OVERHEAD UTILITY HEIGHTS

2	TELEPHONE	19'-10"
	CATV	20'-8"

SEE INSET "A"

SCALE: 1"= 20'

CONSTRUCTION DETAILS

(A) Install concrete foundation with 10' (18" breakaway coupling foundation STD No. 801.01-01) steel pedestal pole with countdown pedestrian signal head and audible/tactile pedestrian pushbutton installed with vibrating arrow pointing RIGHT and pedestrian education sign (R10-3(1). (Sign to read: "Push Button To Cross E. Charles Street"). (Note: 1-2" 90° polyvinyl chloride (Schedule 80) bend).

(B) Install concrete foundation with 10' (18" breakaway coupling foundation STD No. 801.01-01) steel pedestal pole with countdown pedestrian signal head and audible/tactile pedestrian pushbutton installed with vibrating arrow pointing LEFT and pedestrian education sign (R10-3(1). (Sign to read: "Push Button To Cross E. Charles Street"). (Note: 1-2" 90° polyvinyl chloride (Schedule 80) bend).

(C) Install concrete foundation with 10' (18" breakaway coupling foundation STD No. 801.01-01) steel pedestal pole with countdown pedestrian signal head and audible/tactile pedestrian pushbutton installed with vibrating arrow pointing RIGHT and pedestrian education sign (R10-3(1). (Sign to read: "Push Button To Cross Washington Avenue"). (Note: 1-2" 90° polyvinyl chloride (Schedule 80) bend).

(D) Install concrete foundation with 10' (18" breakaway coupling foundation STD No. 801.01-01) steel pedestal pole with countdown pedestrian signal head and audible/tactile pedestrian pushbutton installed with vibrating arrow pointing LEFT and pedestrian education sign (R10-3(1). (Sign to read: "Push Button To Cross Washington Avenue"). (Note: 1-2" 90° polyvinyl chloride (Schedule 80) bend).

(E) Install concrete foundation with 10' (18" breakaway coupling foundation STD No. 801.01-01) steel pedestal pole with two (2) countdown pedestrian signal heads and two (2) audible/tactile pedestrian pushbuttons installed with vibrating arrows pointing RIGHT and LEFT and corresponding pedestrian education signs (R10-3(1) (signs to read: "Push Button To Cross Washington Avenue": "Push Button To Cross E. Charles Street"). (Note: 1-2" 90° polyvinyl chloride (Schedule 80) bend.

(F) Remove existing pedestal poles, all attached signal equipment and foundation 12" below grade . (This removal will be done if the poles were not removed by others)

SPECIAL NOTE

Proposed dimensions for the installation of APS/CPS pedestal poles may be adjusted as needed to fit existing geometrics (ADA ramps and sidewalks). Locations of pedestal poles must be in conformance with General Notes 4, 5, 6 and 7.

GEOMETRIC LEGEND

PROPOSED ——— EXISTING ——— — —

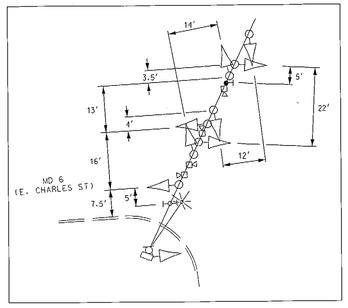
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	—A—A—
ELECTRIC	—E—E—
TELEPHONE	—T—T—
GAS	—G—G—
SEWER	—S—S—
WATER	—W—W—
CABLE TV	—TV—TV—

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" 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 will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements Of MUTCD Sec. 4E.08 and Fig. 4E-3 and 4E-4 and the NCHRP publication, Accessible Pedestrian Signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the Director, Office of Traffic and Safety.
8. The contractor shall remove all unused wiring.
9. ADA ramps shall be installed by others. The curb on the southeast quadrant shall be bumped out approximately 1' by others.

SIGNAL HEAD DIMENSIONS



APPROVALS

TEAM LEADER T-110

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(E) INSTALL APS, CPS 04-15-2013
SHA NO.: CH234B51 TIMS:L142
MCPS

(D) RECONSTRUCT SIGNAL & ADD APS, CPS 2-24-12
SHA NO.: XX6475185 TIMS:L142
RRZ

(C) SIGNAL RECONSTRUCT WITH ROW ACQUISITION 4-26-10
SHA NO. XX4475185 TIMS 1502
JWA

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 6 (E. CHARLES ST.) AND WASHINGTON AVENUE

LAPLATA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 2-26-86 CONTRACT NO.

DESIGNED BY BRUCE THOMPSON COUNTY CHARLES
DRAWN BY BRUCE THOMPSON LOGMILE 08000625.47
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 1035E | DRAWING NO. 1 OF 2 | SHEET NO. OF

PLOTTED: FRIDAY, MAY 03, 2013 AT 01:48 PM
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