DRILL HOLES

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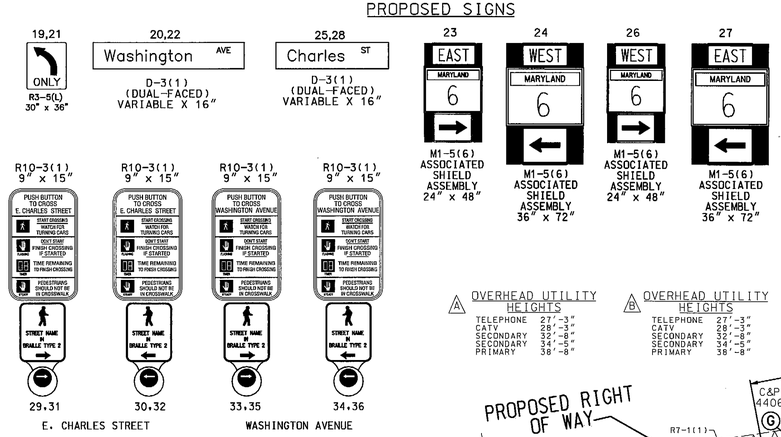
BORDER REV: DATE: June 1, 2004

PROPOSED SIGNS



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

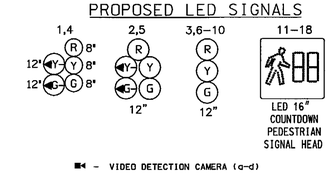
A OVERHEAD UTILITY HEIGHTS

TELEPHONE	27'-3"
CATV	28'-3"
SECONDARY	32'-8"
SECONDARY	34'-5"
PRIMARY	38'-8"

B OVERHEAD UTILITY HEIGHTS

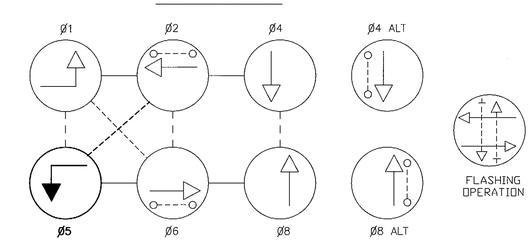
TELEPHONE	27'-3"
CATV	28'-3"
SECONDARY	32'-8"
SECONDARY	34'-5"
PRIMARY	38'-8"

PROPOSED LED SIGNALS

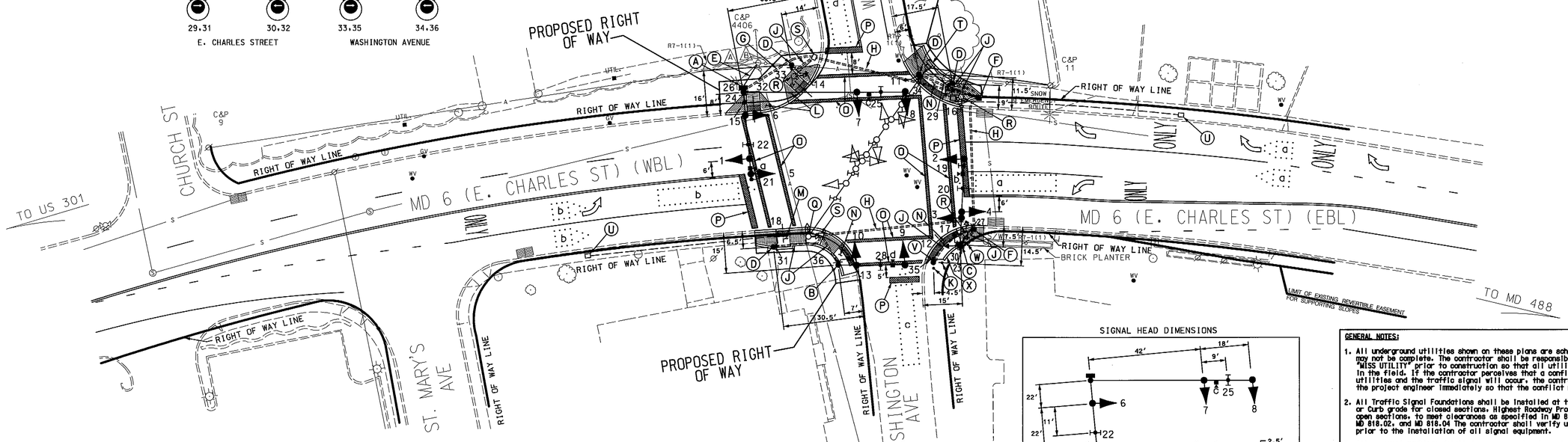


◄ - VIDEO DETECTION CAMERA (a-d)

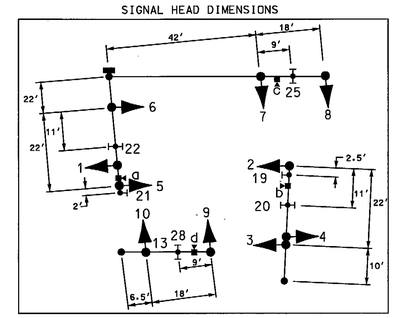
NEMA PHASING



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



SIGNAL HEAD DIMENSIONS



CONSTRUCTION DETAILS

A. Install 27' steel pole with 32'/60' twin mast arms, traffic signal heads signs, countdown pedestrian signal head, pole mounted shield assemblies, APS pushbutton with pedestrian education sign (R10-3(1), Pole mounted Cabinet with controller and video detection camera. (Note: 2-3" 90° polyvinyl chloride (Schedule 80) bend, and 4" LB. for pole mounted cabinet.)

B. Install 21' steel pole with 25' mast arm, traffic signal heads, sign, countdown pedestrian signal head, APS pushbutton with pedestrian education sign (R10-3(1) and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 21' steel pole with 32' mast arm, traffic signal heads, sign, countdown pedestrian signal heads, APS pushbutton with pedestrian education sign (R10-3(1), video detection camera, pole mounted Shield assemblies. (Note: 2-3" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install 10' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

E. Overhead service to be installed by SEMCO.

F. Install handhole.

G. Install 2-3" polyvinyl chloride electrical conduits (Schedule 80) (trenched).

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install 4" galvanized steel post filled with concrete as shown.

L. Install proposed perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).

M. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

N. Install proposed parallel handicap ramp (STD. No. MD 655.12) mod. with detectable warning surface (STD. No. MD 655.40). (Note: Contractor shall make a 10' flat area.)

O. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk) (Note:Contractor shall remove all existing crosswalk.)

P. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline) (Note:Contractor shall remove all existing stopline.)

Q. Contractor shall remove existing strain pole and all associated equipment including span wire, signal heads, signs and foundation 12" below grade, cap and abandon unused conduit.

CONSTRUCTION DETAILS (CONT.)

R. Contractor shall remove existing pedestal pole, all associated equipment and foundation 12" below grade, cap and abandon conduit and backfill.

S. Use existing handhole.

T. Contractor shall remove existing strain pole including pole mounted cabinet, all associated equipment and foundation 12" below grade, cap and abandon conduit and backfill. (Note: SEMCO shall remove existing overhead service.)

U. Remove existing handhole, cap and abandon conduit.

V. Install 5' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with APS pusbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80 bend).

W. Contractor shall remove old foundation 12" below grade, and backfill.

X. Install 8" curb as shown.

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.09 and Fig. 4E-2 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.

TOD No: XX447-07
SHA No: CH357A52/B52
MD 6 @ Washington Avenue

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISION "C"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5394.dgn T-110

APPROVALS

TEAM LEADER
T-110
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

C	SIGNAL RECONSTRUCT WITH ROW ACQUISITION SHA NO.: XX4475185 JWA	4-26-10 TIMS: 1502 TJE
B	INSTALL APS & CPS SIGNAL HEADS SHA NO.: AT9365185 JWA	12-4-06
A	ADD E/P LEFT TURN AND PRE-EMPTION SHA NO.: RRZ	7-22-92

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 6 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 FD LOGMILE 08000625.47
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 1035C | DRAWING NO. 1 OF 3 | SHEET NO. OF

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