DRILL HOLES

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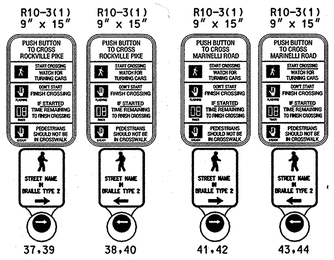
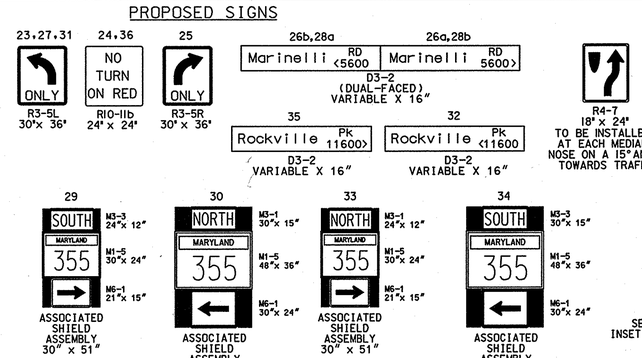
BORDER REVS DATE: June 1, 2004

MD 355 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

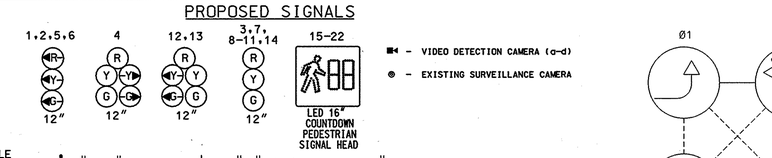


MD 355 (ROCKVILLE PIKE) MARINELLI ROAD

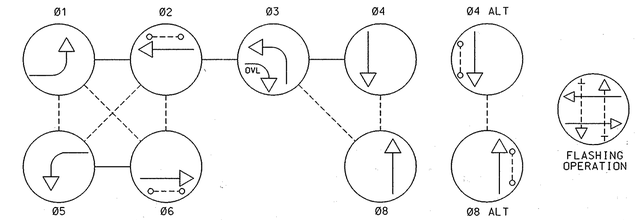
PROPOSED SIGNS



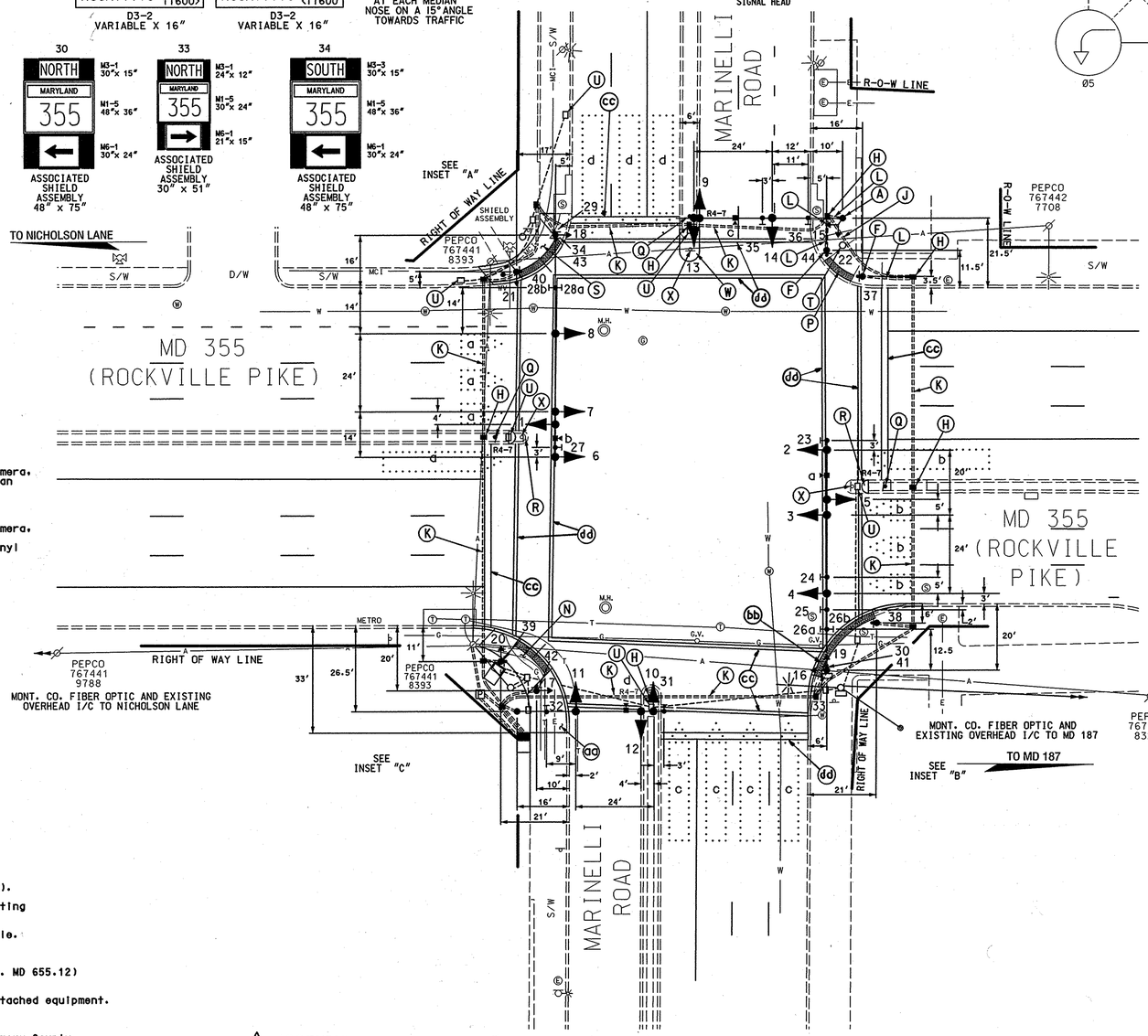
PROPOSED SIGNALS

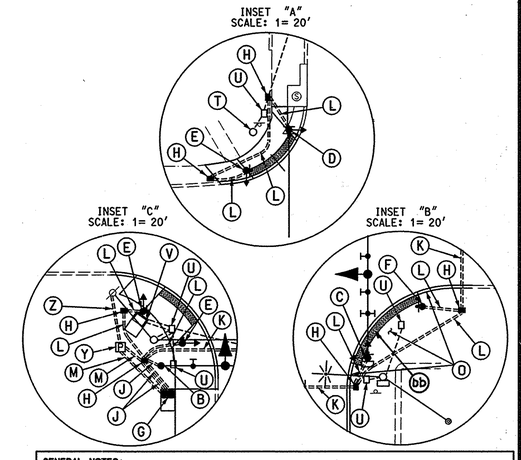


NEMA PHASING



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





CONSTRUCTION DETAILS

A. Install 16' steel pole with a special 15'"T" dimension with 50' mast arm, traffic signal heads, signs, video detection camera and countdown pedestrian signal heads as shown.(Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 16' steel pole with a special 15'"T" dimension with 50' mast arm, traffic signal heads, signs and video detection camera as shown. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 16' steel pole with a special 15'"T" dimension with 70' mast arm, traffic signal heads, signs, video detection camera, countdown pedestrian signal heads and APS pushbutton with pedestrian education sign as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install 16' steel pole with a special 15'"T" dimension with 70' mast arm, traffic signal heads, signs, video detection camera, countdown pedestrian signal heads and APS pushbutton with pedestrian education sign.as shown as shown.(Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

E. Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

F. Install 5' breakaway pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

G. Install NEMA size "6" base-mounted cabinet and controller with video interface, 2-wire Control unit and all necessary equipment as shown.

H. Install handhole.

J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

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

M. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched)

N. Install proposed parallel handicap ramp with 13' flat area (STD. No. MD 655.12) and detectable warning surfaces (STD. No. MD 655.40) as shown

O. Install proposed curb, gutter and handicap ramp depression with detectable warning surfaces (STD. No. MD 655.40) as shown. (Note: Depressed sidewalk shall slope 2% to meet existing sidewalk).

P. Install detectable warning surfaces (STD. No. MD 655.40) onto existing handicapped ramp as shown.

Q. Install ground mounted R4-7 sign on 4" x 4" wood post at a 15° angle.

R. Cut back median nose 5' as shown.

S. Install proposed parallel handicap ramp with 6' flat area (STD. No. MD 655.12) and detectable warning surfaces (STD. No. MD 655.40) as shown

T. Remove existing strain pole, foundation 12' below grade and all attached equipment.

U. Remove existing handhole. Cap existing conduit.

V. Remove existing base mounted cabinet and foundation. (Note: Montgomery County shall remove controller and auxiliary equipment).

W. Cut back median nose 7' as shown.

X. Remove existing ground mounted sign.

Y. Install metered pedestal.

Z. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 50' of ~~3-wire~~ 1 conductor (No. 250 KCMIL) for proposed underground electrical power service by PEPCO to base of utility pole.

aa. Install 4" sidewalk as shown.

bb. Contractor shall bump out existing curb 2.5', so that proposed mast arm pole will have a minimum of 2.5' from face of pole to face of proposed curb.

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

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

ADDENDUM 1: DATE: 10-16-07

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. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necesary a design waiver is obtained.
6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
7. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton.
8. The contractor shall remove all unused wiring.

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 —

REVISION "E"
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
5189.dgn T-55

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

REVISIONS
E REBUILD TRAFFIC SIGNAL. INSTALL APS AND CPS ALL AROUND SHA NO.: M22825185 6-18-07
JWA
D AT2865185 MOD. SIGNAL TO PROVIDE NB AND SB EXCLUSIVE PHASE 05/07/04
SWA
C ASBUILT 09/09/97
RRZ

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 355 (ROCKVILLE PIKE) AND MARINELLI ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 10/25/79 CONTRACT NO.

DESIGNED BY
DRAWN BY TEL
CHECKED BY WSM
F.A.P. NO. AC-STPG-000A(241)E
COUNTY MONTGOMERY
LOGMILE 15035506.17
TIMS NO. H997
TOD NO.

TS NO. 3162E | DRAWING NO. 1 OF 3 | SHEET NO. 40 OF 42

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