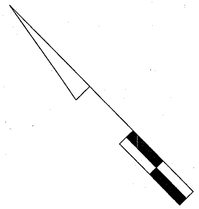
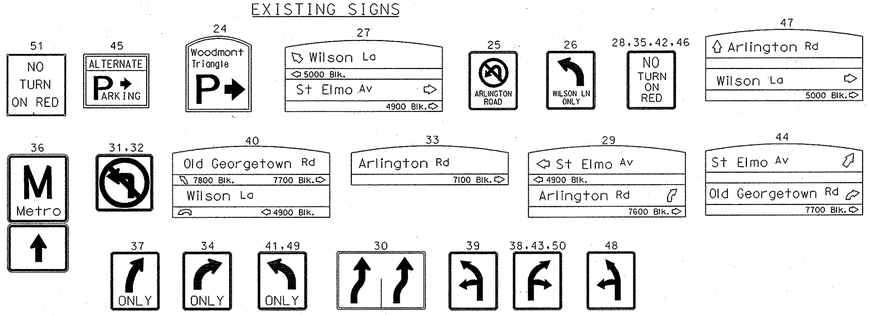
DRILL HOLES

BORDER REV. DATE: June 1, 2004

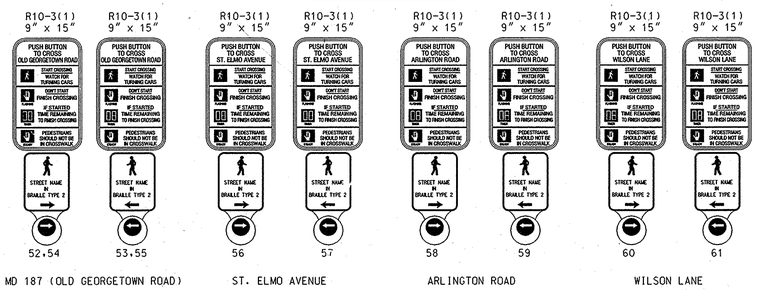


NOTE:
MD 187 IS CONSIDERED TO RUN IN A NORTH - SOUTH DIRECTION

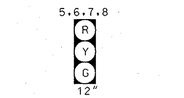
EXISTING SIGNS



PROPOSED SIGNS

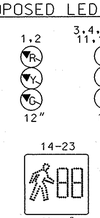


EXISTING SIGNALS

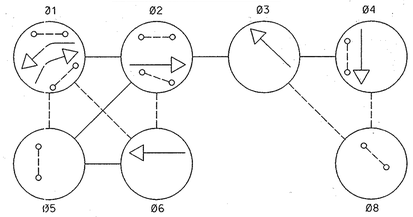


(OPTICALLY PROGRAMMED)

PROPOSED LED SIGNALS

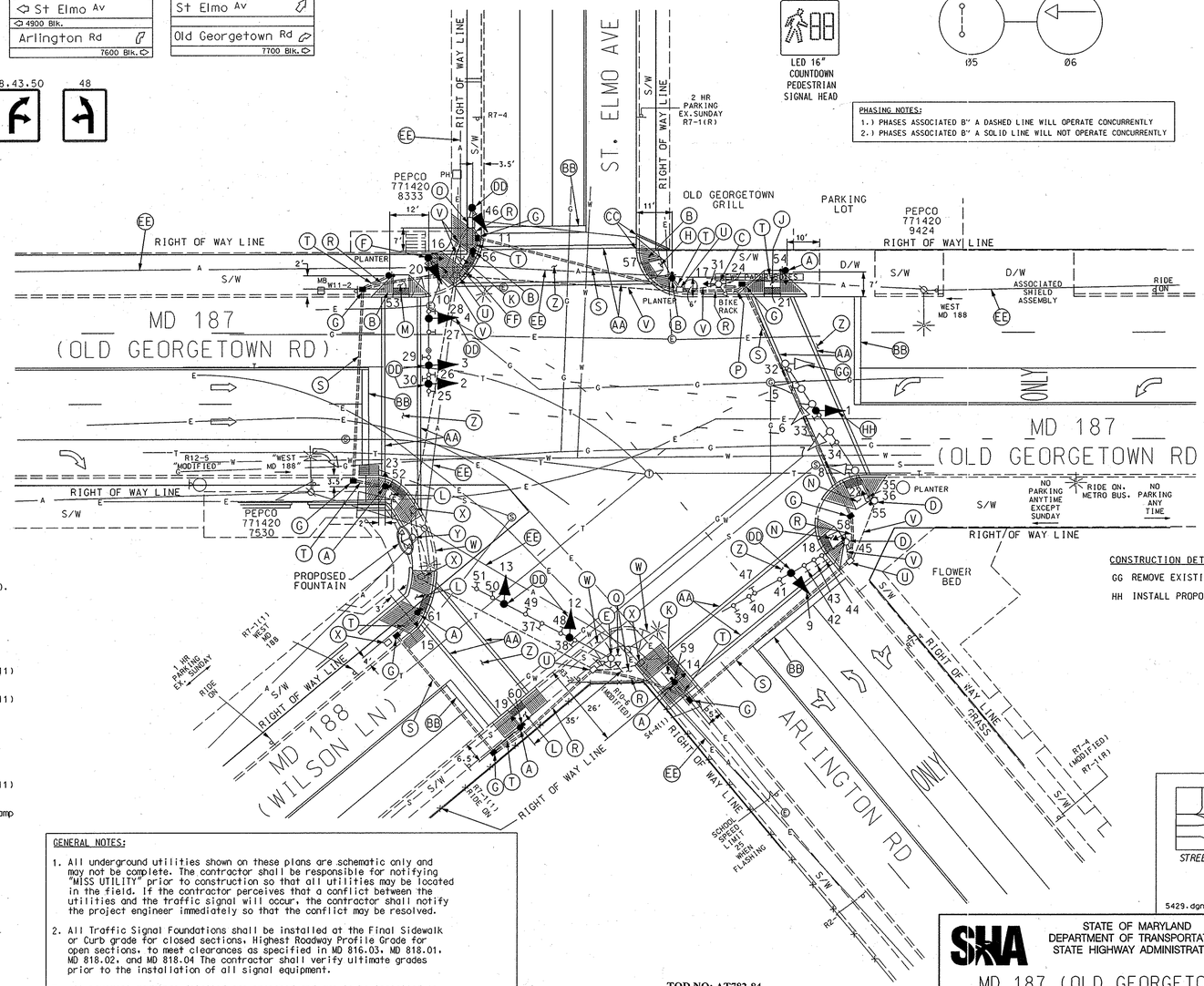


EXISTING PHASING



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

FLASHING OPERATION



CONSTRUCTION DETAILS

A. Install 10' breakaway 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.)

B. Install 5' breakaway pedestal pole and APS pushbutton with pedestrian education sign (R10-3(1). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

C. Remove existing pedestrian signal heads and pedestrian education sign from existing 20' tall post. Install countdown pedestrian signal head as shown.

D. Remove existing pedestrian signal heads and pedestrian education sign from existing mast arm pole. Install countdown pedestrian signal head with APS pushbutton with pedestrian education sign (R10-3(1).

E. Remove existing pedestrian signal heads and pedestrian education sign from existing mast arm pole.

F. Remove existing pedestrian signal heads and pedestrian education sign from existing mast arm pole. Install countdown pedestrian signal heads as shown. Replace pole mounted signal with LED signal.

G. Install handhole.

H. Remove existing curb,gutter and handicap ramp. Install perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).

J. Remove existing curb,gutter and handicap ramp. Install perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).

K. Remove existing curb,gutter and handicap ramp. Install parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

L. Remove existing curb, gutter install parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

M. Remove existing curb,gutter and handicap ramp. Install perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).

N. Remove existing curb,gutter, brick handicap ramp and sidewalk area. Install perpendicular handicap ramp (concrete) (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40). Reinstall brick in area around ramp.

O. Use existing base mounted cabinet and controller. Install 4" bend in existing cabinet foundation.

P. Remove existing sidewalk. Install signal equipment and replace concrete sidewalk.

Q. Excavate dirt area and install sidewalk area from the existing sidewalk to the face of the diagonal portion of the fence.

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

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

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

U. Use existing handhole.

V. Use existing conduit.

W. Remove existing handicap ramp and install curb, gutter with sidewalk as shown.

X. Remove existing handhole, cap and abandon existing conduit.

Y. Remove existing 20' tall post and all attached equipment.

Z. Remove existing stopline/crosswalk pavement marking.

AA. Install 12" white heat applied preformed theromplastic pavement marking.(Crosswalk)

BB. Install 24" white heat applied preformed theromplastic pavement marking.(Stopline)

CC. Remove existing Polydrain in sidewalk downspout drain. Install proposed Polydrain as shown.

DD. Remove existing signal head and install LED signal head in same location.

EE. Existing interconnect cable to remain.

FF. Existing interconnect splice cabinet on wood pole to remain.

GG REMOVE EXISTING SIGNAL HEAD.

HH INSTALL PROPOSED LED SIGNAL HEAD.

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.

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

TOD NO: AT782-84
SHA NO: MO574A5P/B5P
MD187@ MD 188

REVISION "A"

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Ph (410) 590-5500
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 187 (OLD GEORGETOWN ROAD) AND MD 188 (WILSON LANE) / ARLINGTON ROAD / ST. ELMO AVENUE

TRAFFIC SIGNAL PLAN

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	(A) 1-29-08 ADD APS AND CPS SHA NO.: AT782-5185 RRZ
OFFICE DIRECTOR	

ORIGINAL ON FILE

SCALE 1"= 20' DATE 12-12-90 CONTRACT NO. M-650-501-377

DESIGNED BY RR ZACHERL (STS) COUNTY MONTGOMERY
DRAWN BY SR BARANOWSKI (STS) LOGMILE 15018700.31
CHECKED BY TIMS NO. 1634
F.A.P. NO. N/A TOD NO.

TS NO. 2670A | DRAWING NO. 1 OF 3 | SHEET NO. OF

PLOTTED: WEDNESDAY, JANUARY 30, 2008 AT 12:57 PM
FILE: C:\DOCUMENTS AND SETTINGS\WSTROUD\LOCAL SETTINGS\TEMPORARY INTERNET FILES\OLK7B\5429.DGN