DRILL HOLES

BORDER REV. DATE: June 1, 2004

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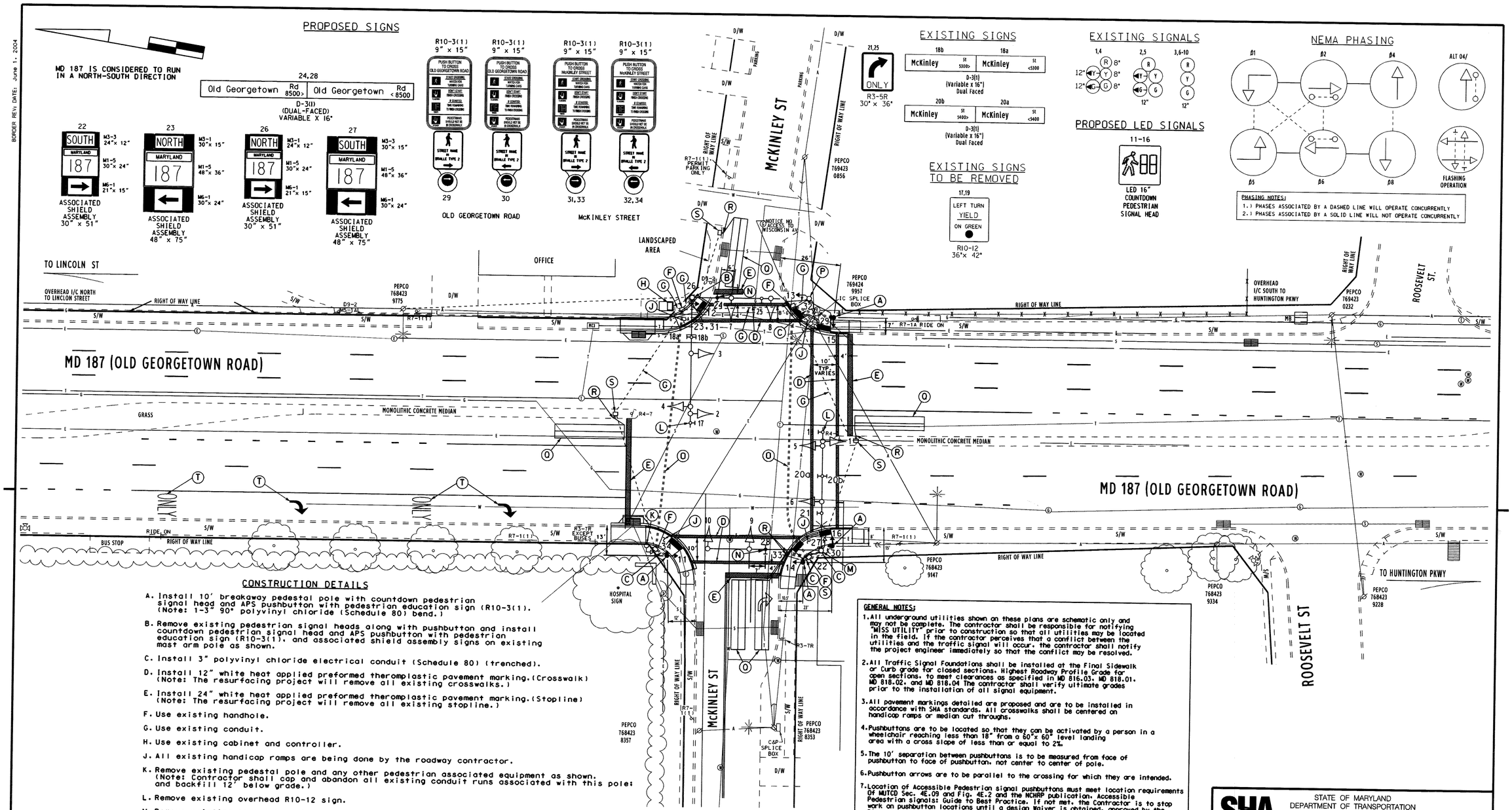

CONSTRUCTION DETAILS

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. Remove existing pedestrian signal heads along with pushbutton and install countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1). and associated shield assembly signs on existing mast arm pole as shown.

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

D. Install 12" white heat applied preformed theromplastic pavement marking.(Crosswalk) (Note: The resurfacing project will remove all existing crosswalks.)

E. Install 24" white heat applied preformed theromplastic pavement marking.(Stopline) (Note: The resurfacing project will remove all existing stopline.)

F. Use existing handhole.

G. Use existing conduit.

H. Use existing cabinet and controller.

J. All existing handicap ramps are being done by the roadway contractor.

K. Remove existing pedestal pole and any other pedestrian associated equipment as shown. (Note: Contractor shall cap and abandon all existing conduit runs associated with this pole: and backfill 12" below grade.)

L. Remove existing overhead R10-12 sign.

M. Remove existing pedestrian signal heads from mast arm pole along with all associated pedestrian equipment and install associated shield assembly signs as shown.

N. Install overhead sign as shown.

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

P. Remove existing pedestrian signal heads along with pushbutton and install countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1) on existing pedestal pole as shown.

Q. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3). (Note: All loops are to be placed 1' behind stopline.)

R. Install 1" liquid tight flexible non-metalic electrical conduit (detector wire sleeve).

S. Contractor shall splice proposed loop wire to existing 2 conductor Aluminum Shielded wire in existing handhole.

T. Pavement markings shall be replaced by the roadway contractor.

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

REVISION "B"

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APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

B INSTALL APS AND CPS ACROSS SB, EB, & WB LEGS 12-22-08
SHA NO. 1MD4295186
JWA
A 11/07
ASBUILT
SHA NO.:
RRZ

PLOTTED: $DATETIME$
FILE: 4511.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 187 (OLD GEORGETOWN ROAD) AND McKINLEY STREET

BETHESDA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 9-11-91 CONTRACT NO.

DESIGNED BY R R ZACHERL
DRAWN BY W J NIES
CHECKED BY
F.A.P. NO.

COUNTY MONTGOMERY
LOCMILE 1501870 01.18
TIMS NO. J511
TOD NO.

TS NO. 3186B | DRAWING NO. 1 OF 2 | SHEET NO. OF