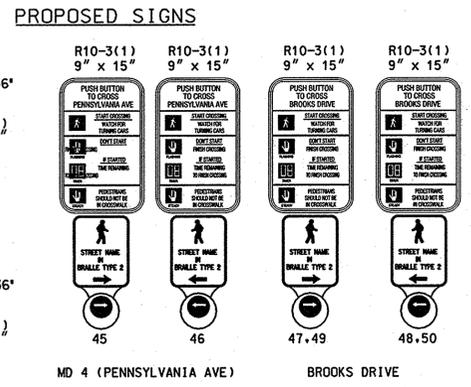
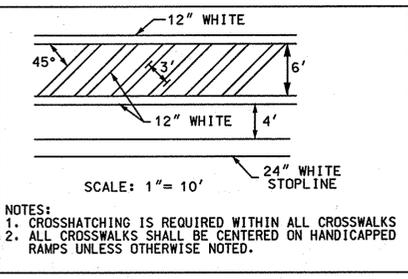
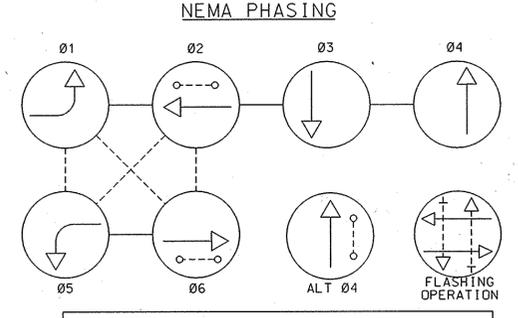
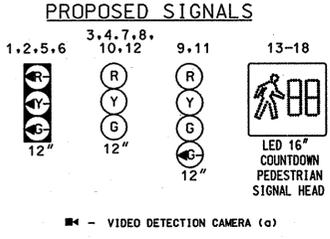
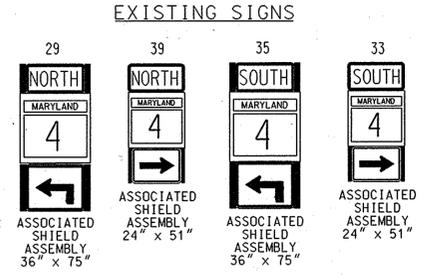
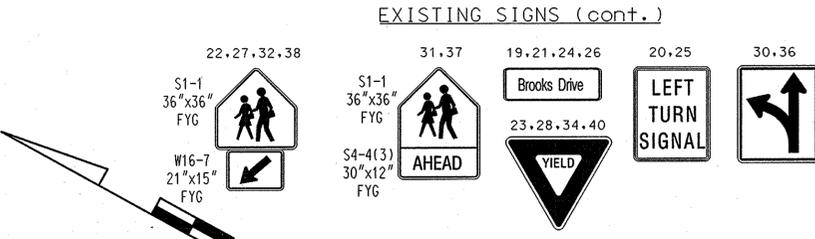
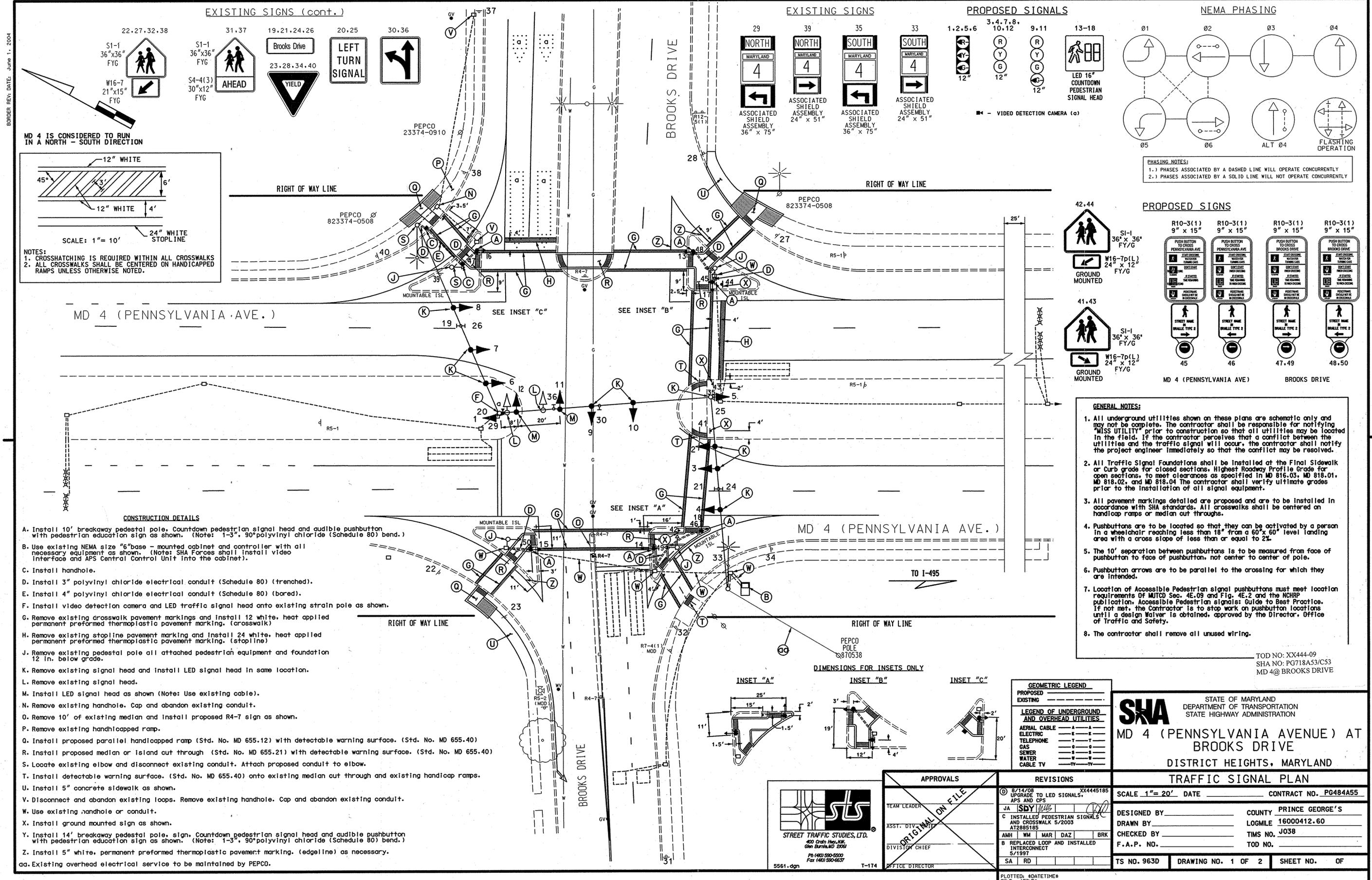


DRILL HOLES

DRILL HOLES

DRILL HOLES

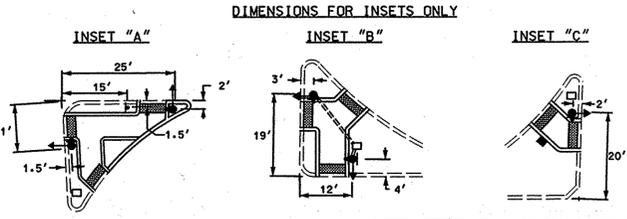


GENERAL NOTES:

- 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.
- 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.
- 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.
- 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%.
- The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- 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 Signal: 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.
- The contractor shall remove all unused wiring.

TOD NO: XX444-09
 SHA NO: PG718A53/CS3
 MD 4@ BROOKS DRIVE

- CONSTRUCTION DETAILS**
- Install 10' breakaway pedestal pole, Countdown pedestrian signal head and audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - Use existing NEMA size "6" base - mounted cabinet and controller with all necessary equipment as shown. (Note: SHA Forces shall install video interface and APS Central Control Unit into the cabinet.)
 - Install handhole.
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
 - Install video detection camera and LED traffic signal head onto existing strain pole as shown.
 - Remove existing crosswalk pavement markings and install 12 white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)
 - Remove existing stopline pavement marking and install 24 white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
 - Remove existing pedestal pole all attached pedestrian equipment and foundation 12 in. below grade.
 - Remove existing signal head and install LED signal head in same location.
 - Remove existing signal head.
 - Install LED signal head as shown (Note: Use existing cable).
 - Remove existing handhole. Cap and abandon existing conduit.
 - Remove 10' of existing median and install proposed R4-7 sign as shown.
 - Remove existing handicapped ramp.
 - Install proposed parallel handicapped ramp (Std. No. MD 655.12) with detectable warning surface. (Std. No. MD 655.40)
 - Install proposed median or island cut through (Std. No. MD 655.21) with detectable warning surface. (Std. No. MD 655.40)
 - Locate existing elbow and disconnect existing conduit. Attach proposed conduit to elbow.
 - Install detectable warning surface. (Std. No. MD 655.40) onto existing median cut through and existing handicap ramps.
 - Install 5" concrete sidewalk as shown.
 - Disconnect and abandon existing loops. Remove existing handhole. Cap and abandon existing conduit.
 - Use existing handhole or conduit.
 - Install ground mounted sign as shown.
 - Install 14' breakaway pedestal pole, sign, Countdown pedestrian signal head and audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 5" white, permanent preformed thermoplastic pavement marking. (edgeline) as necessary.
 - Existing overhead electrical service to be maintained by PEPCO.



GEOMETRIC LEGEND

PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---

ST
STREET TRAFFIC STUDIES, LTD.
 400 Crain Hwy., NW
 Glen Burnie, MD 21061
 Ph (410) 592-5500
 Fax (410) 590-6637

APPROVALS	REVISIONS
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	① 8/14/08 UPGRADE TO LED SIGNALS, APS AND CPS JA [Signature] C INSTALLED PEDESTRIAN SIGNALS AND CROSSWALK 5/2003 AT28816 AMH WM MAR DAZ BRK B REPLACED LOOP AND INSTALLED INTERCONNECT 5/1997 SA RD

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION

**MD 4 (PENNSYLVANIA AVENUE) AT
 BROOKS DRIVE**

DISTRICT HEIGHTS, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE _____ CONTRACT NO. **PG484A55**

DESIGNED BY _____ COUNTY **PRINCE GEORGE'S**

DRAWN BY _____ LOGMILE **16000412.60**

CHECKED BY _____ TMS NO. **J038**

F.A.P. NO. _____ TOD NO. _____

TS NO. **963D** DRAWING NO. **1 OF 2** SHEET NO. **OF**

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