DRILL HOLES

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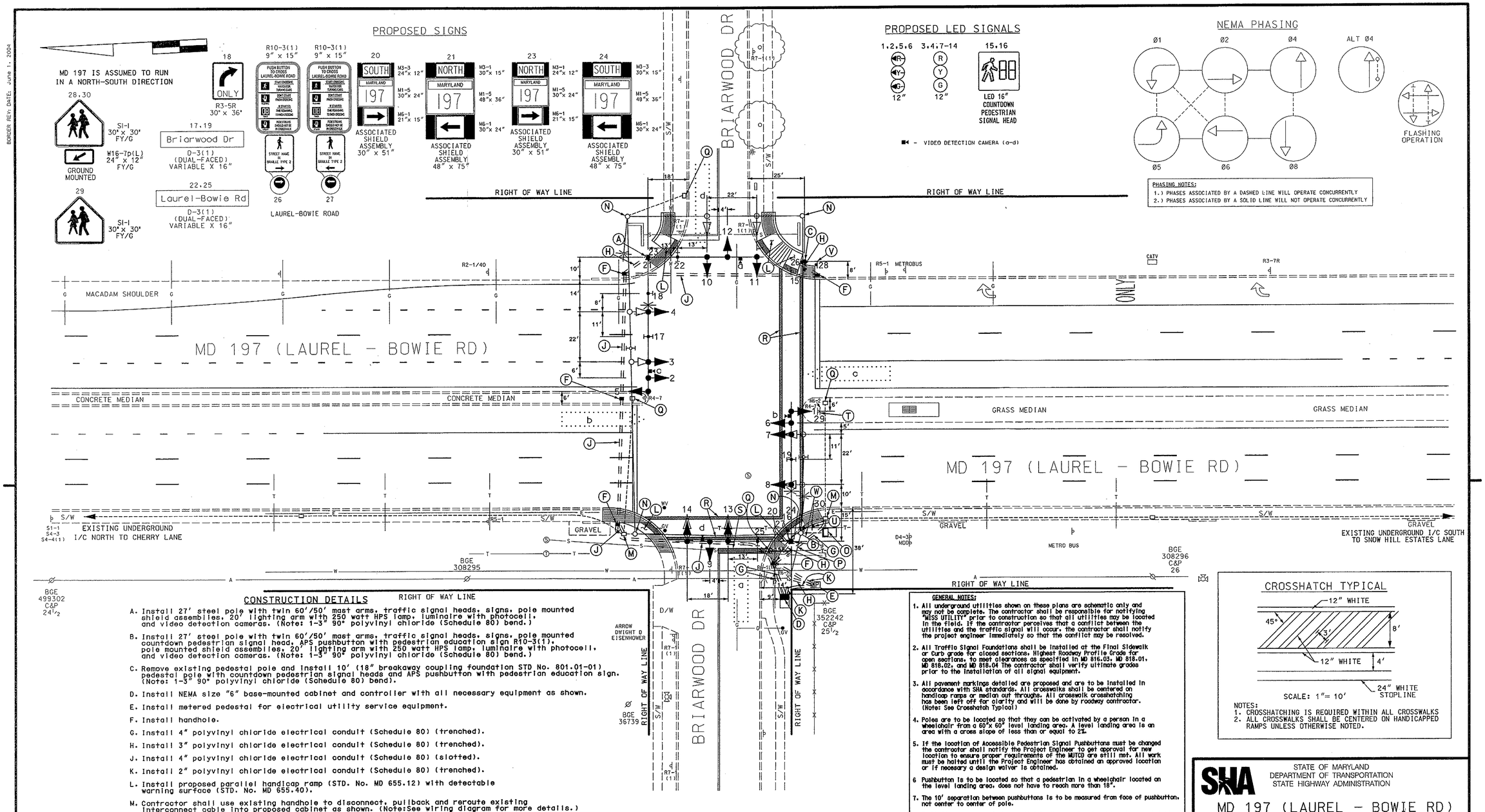
BORDER REV: DATE: June 1, 2004



CONSTRUCTION DETAILS

A. Install 27' steel pole with twin 60'/50' mast arms, traffic signal heads, signs, pole mounted shield assemblies, 20' lighting arm with 250 watt HPS lamp, luminaire with photocell, and video detection cameras. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with twin 60'/50' mast arms, traffic signal heads, signs, pole mounted countdown pedestrian signal head, APS pushbutton with pedestrian education sign R10-3(1), pole mounted shield assemblies, 20' lighting arm with 250 watt HPS lamp, luminaire with photocell, and video detection cameras. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

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

D. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

E. Install metered pedestal for electrical utility service equipment.

F. Install handhole.

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

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

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

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

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

M. Contractor shall use existing handhole to disconnect, pullback and reroute existing interconnect cable into proposed cabinet as shown. (Note:See wiring diagram for more details.)

N. Contractor shall remove existing strain poles, existing span wire along with signal equipment and foundation 12" below grade and backfill.

O. Contractor shall remove existing base mounted cabinet, foundation 12" below grade and backfill. (Note:SHA Forces shall remove the controller and all other auxiliary equipment.)

P. BGE shall remove existing overhead electrical service.

Q. Remove handhole and abandon existing conduit.

R. Install 12" white heat applied permanent preformed thermoplastic pavement marking (crosswalk.) (Note: Contractor to remove all existing crosswalks and crosshatching.)

S. Install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline.) (Note Contractor to remove existing stopline.)

T. Remove existing S1-1 sign from existing post and Install proposed S1-1 as shown.

U. Remove existing signs from existing post and Install proposed signs as shown.

V. Install proposed ground mounted signs on wood post as shown.

W. Furnish, Install and remove down guy wire once proposed signal is operational.

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. All crosswalk crosshatching has been left off for clarity and will be done by roadway contractor. (Note: See Crosshatch Typical)
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 necessary 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, not center to center of pole.
8. Pushbutton arrows are to be parallel to the crossing for which they are intended.
9. The contractor shall remove all unused wiring.

CROSSHATCH TYPICAL

SCALE: 1"= 10'

NOTES:
1. CROSSHATCHING IS REQUIRED WITHIN ALL CROSSWALKS
2. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.

GEOMETRIC LEGEND
PROPOSED
EXISTING

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

GREENLINE
DATE 11/6/09
TEDD APPROVAL

REVISION "F"
STREET TRAFFIC STUDIES, LTD.
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5459.dgn T-135

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

REVISIONS
C CHANGE PHASING FOR NB & SB TO EXCLUSIVE. INSTALL APS-CPS & LED SIGNAL HEADS 6-08-09 SHA NO.1XX4455185 JWA
E 11-03-03 DETECTOR REPLACEMENT DUE TO ROAD RESURFACING SHA NO.1PG480A21 JWA
D 11-3-01 ADD SOUTHBOUND E/P L/T & DETECTOR SHA NO.: SR

PLOTTED: @DATETIME@
FILE: $FILE@

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 197 (LAUREL - BOWIE RD) AND BRIARWOOD DRIVE

LAUREL, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 10-3-77 CONTRACT NO. AW-527-504-385

DESIGNED BY
DRAWN BY STEVE RENZI
CHECKED BY
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16019713.54
TIMS NO. 1285
TOD NO.

TS NO. 904 F | DRAWING NO. 1 OF 2 | SHEET NO. OF

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