DRILL HOLES

BORDER REV: DATE: June 1, 2004

MD 185 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

23 — NORTH / MARYLAND / 185 — M3-4 30"x 15", M1-5 48"x 36", M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

26 — SOUTH / MARYLAND / 185 — M3-4 30"x 15", M1-5 48"x 36", M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

PROPOSED SIGNS

19a,22b — Bradley LN <3900 | 19b,22a — Bradley LN 3900>
D3-2 VARIABLE X 16" DUAL-FACED

24b,27a — Connecticut AVE 6700> | 24a,27b — Connecticut AVE <6700
D3-2 VARIABLE X 16" DUAL-FACED

21 — R-Mod. 30" x 30"

20,25,28 — NO TURN ON RED — R10-11b 24" x 24"

33 — R4-7 18" x 24"

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS CONNECTICUT AVENUE — START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 29

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS CONNECTICUT AVENUE — START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 30

MD 185

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS BRADLEY LANE — START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 31

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS BRADLEY LANE — START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 32

MD 191

EXISTING SIGNS

18" x 36" — W11-2 24"X24" B/FYG — STAY ALERT 30 MPH — B/FYG 3" 6"D 6" 6"D 3" 3" 6"D 3"

SPECIAL SIGN

PROPOSED SIGNALS

1,2: Y 12"
3,4: R, Y, G, G 12"
5-7, 10,13: R, Y, G 12"
8,9, 11,12: R, Y, G, G 12"
14-17: LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

■ - VIDEO DETECTION CAMERA

EXISTING SIGNALS TO REMAIN

● - SURVEILLANCE CAMERA

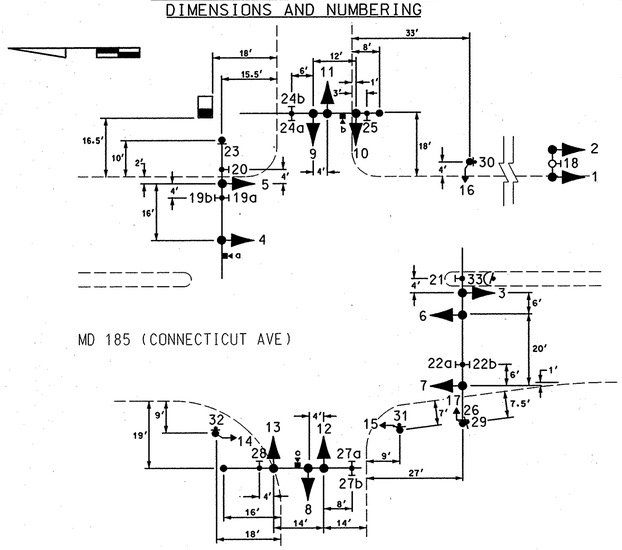
NEMA PHASING

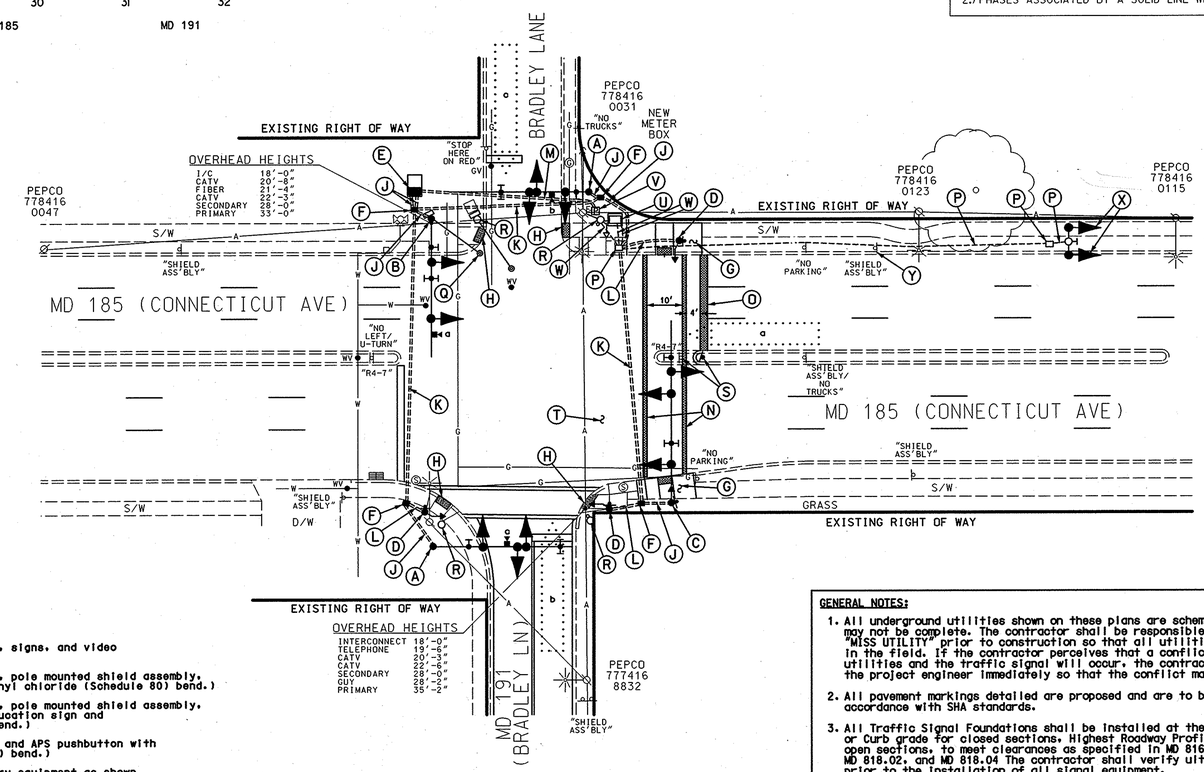
Ø1, Ø3, Ø4, Ø5, Ø6, Ø4 ALT

FLASHING OPERATION

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

SIGNAL, SIGN, AND EQUIPMENT DIMENSIONS AND NUMBERING





CONSTRUCTION DETAILS

A. Install 15' special "T" steel pole with 38' mast arm, traffic signal heads, signs, and video detection camera. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 15' special "T" steel pole with 38' mast arm, traffic signal heads, pole mounted shield assembly, signs, 15' lighting arm and video detection camera. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 15' special "T" steel pole with 50' mast arm, traffic signal heads, pole mounted shield assembly, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign and video detection camera. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

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

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

F. Install handhole.

G. Install proposed parallel handicap ramp with detectable warning surface. (Note: Contractor shall remove brick to construct proposed ramp and reset brick after proposed ramp is installed.)

H. Install proposed detectable warning surfaces at existing handicap ramp.

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

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

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

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

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

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

P. Use existing conduit and / or handhole.

Q. Install 15' lighting arm on proposed mast arm pole for existing Traffic Surveillence Camera. (Note: Montgomery County forces shall relocate Surveillence Camera and cabinet and make all final connections).

R. Remove existing strain pole and all associated equipment.

S. Contractor shall remove 11' of existing median nose and relocate post to new location with new R4-7 as shown.

T. Remove existing crosswalk from this area. (Crosswalk not shown for clarity.)

U. Remove existing cabinet.

V. Maintain existing underground service pedestal.

W. Abandon existing conduit.

X. Remove and replace existing signal heads with L.E.D. signal heads.

Y. Remove existing ground mounted sign.

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 pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. 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.
4. 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 "C"
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5086.dgn T-41

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

REVISIONS
© 7-21-06 RECONSTRUCT TRAFFIC SIGNAL SHA NO.: AT3105185 JWA
B RED LIGHT CAMERA
A 1-5-04 ADD H.I.B. FOR PED X-ING SHA NO.: XX1065285 RRZ

PLOTTED: @DATETIME@
FILE: @FILE@

TOD No: AT910-01
SHA No.: MO579A51/B51

SHA — STATE OF MARYLAND, DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION

MD 185 (CONNECTICUT AVE) AND MD 191 (BRADLEY LANE)

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE ____ CONTRACT NO. ____

DESIGNED BY MONT. CO. COUNTY MONTGOMERY
DRAWN BY MONT. CO. LOGMILE 15018500.60
CHECKED BY MONT. CO. TIMS NO. H441
F.A.P. NO. ____ TOD NO. ____

TS NO. 4309C | DRAWING NO. 1 OF 2 | SHEET NO. OF

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