MD 185 (CONNECTICUT AVENUE) IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

EXISTING SIGN TO BE REMOVED AND RELOCATED

28 — MARC

EXISTING SIGNS

25,27 — 26 — DO NOT BLOCK INTERSECTION

PROPOSED SIGNS

19 — ONLY — R3-5(L) (30"x36")

16 — Perry → AVE <0000 — D-3(1) (VAR.x16")

17 — ← Perry AVE <0000 — D-3(1) (VAR.x16")

18 — Connecticut AVE <0000 — D-3(1) (VAR.x16")

20 — Connecticut AVE 0000> — D-3(1) (VAR.x16")

21 — NORTH MARYLAND 185 — SHIELD ASSEMBLY (30"x51")

22 — SOUTH MARYLAND 185 — SHIELD ASSEMBLY (48"x75")

23 — SOUTH MARYLAND 185 — SHIELD ASSEMBLY (30"x51")

24 — NORTH MARYLAND 185 — SHIELD ASSEMBLY (48"x75")

PROPOSED SIGNALS

1,2 — R Y G — 12"

3-11 — R Y G — 12" — a,b,c,d,e

12-15 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED OVERHEAD VIDEO DETECTION CAMERA

PROPOSED APS PUSHBUTTON STATION

R10-3(1)R10-3(1)R10-3(1)R10-3(1) (9"X15")(9"X15")(9"X15")(9"X15")

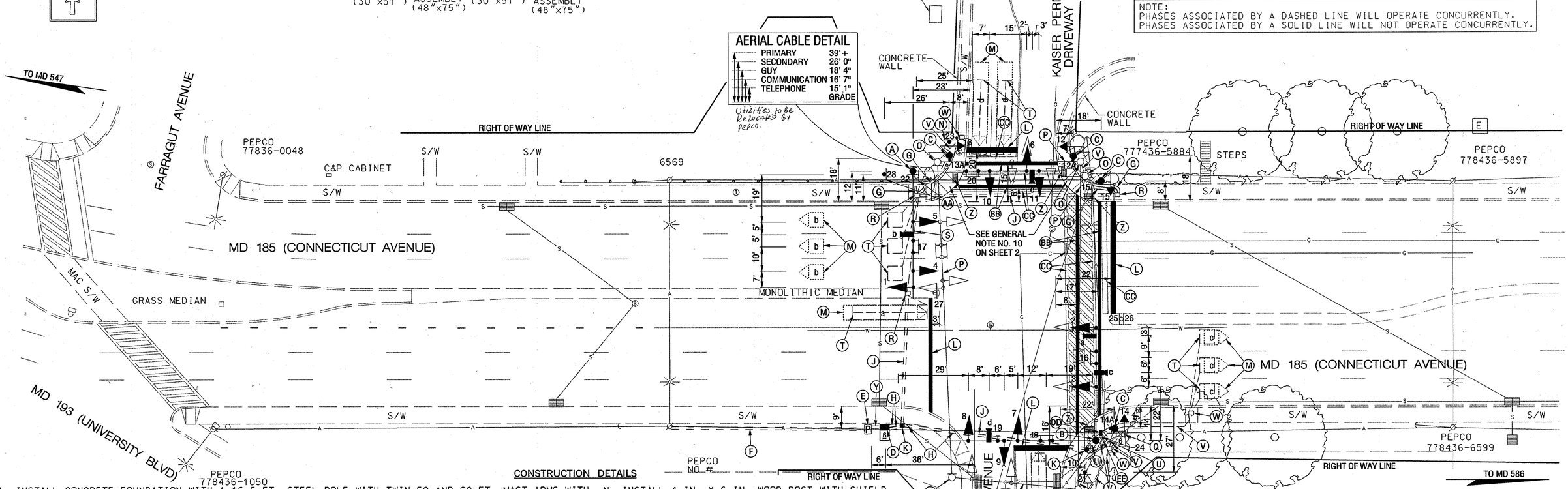
12A 13A 15A 14A

NEMA PHASING

Ø1 Ø2 Ø4 Ø6 Ø8 Ø8 ALT.

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 16.5 FT. STEEL POLE WITH TWIN 50 AND 60 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

B. REMOVE CONCRETE FOUNDATION AND PEDESTRIAN PUSHBUTTON POLE AND ALL ASSOCIATED EQUIPMENT COMPLETELY THEN INSTALL A NEW CONCRETE FOUNDATION WITH A 16.5 FT. STEEL POLE WITH TWIN 50 FT. AND 60 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, LED COUNTDOWN PEDESTRIAN SIGNALS, R10-3(1) SIGN AND AUDIBLE/TACTILE PUSHBUTTON STATION WITH INTERNATIONAL BRAILLE ON THE FACE PLATE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH VIDEO INTERFACE EQUIPMENT. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).

E. INSTALL 200 AMP METER SERVICE PEDESTAL.

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE FOR POWER.

G. REMOVE CONCRETE SIDEWALK, INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, THEN REPLACE CONCRETE SIDEWALK.

H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

K. INSTALL HANDHOLE.

L. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

M. VIDEO DETECTION ZONE

N. INSTALL 4 IN. X 6 IN. WOOD POST WITH SHIELD ASSEMBLY SIGN INSTALLED ON POST.

O. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

P. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

Q. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

R. USE EXISTING HANDHOLE.

S. USE EXISTING CONDUIT.

T. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

U. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

V. CAP AND ABANDON EXISTING CONDUIT.

W. REMOVE EXISTING HANDHOLE FRAME AND COVER 12 IN. BELOW GRADE AND BACKFILL.

X. OMITTED.

Y. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

Z. REMOVE CONCRETE SIDEWALK AND REPLACE IT WITH DEPRESSED CURB AND GUTTER AND DETECTABLE WARNING SURFACE. REFER TO MD STANDARD 655.12 FOR RAMP DESIGN AND 655.40 FOR DETECTABLE WARNING SURFACE DESIGN DETAILS.

AA. REMOVE AND RELOCATE EXISTING SIGN AND WOOD POST AS SHOWN.

BB. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.

CC. REMOVE EXISTING PAVEMENT MARKINGS.

CONSTRUCTION DETAILS CONT.

DD. USE EXISTING PEPCO UTILITY POLE (NO NUMBER ON POLE) AND INSTALL A NEW SPLICE CABINET AS SHOWN FOR SPLICING OF MONTGOMERY COUNTY INTERCONNECT CABLE.

EE. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR TELEMETRY CABLE-TRENCHED STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE FOR INTERCONNECT.

GEOMETRIC LEGEND

EXISTING

UTILITY LEGEND

- SD — STORM DRAIN
- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- A — AERIAL CABLES
- T — TELEPHONE CABLES
- FO — FIBER-OPTIC

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DIVISION

CHIEF TRAFFIC ENGINEERING DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

REVISIONS

(A) SHA NO. XX444/95 TMS No. 1196 06/ /2008
RECONSTRUCT TRAFFIC SIGNAL TO MAST ARMS W/VIDEO DETECTION CAMERAS, APS AND CPS.

SWA

PLOTTED: Friday, May 30, 2008 AT 10:30 AM
FILE: R:\2004\45 SHA BCS 2004-02B TEDD Traffic\Task 34 MD 185 at Perry\DWG\PSG-P001AMD185PERRY.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 185 (CONNECTICUT AVENUE) AT PERRY AVENUE

KENSINGTON, MARYLAND

SIGNAL PLAN

SCALE 1"=20' DATE 12/02/1994 CONTRACT NO. BW-721-802-312

DESIGNED BY R.R. ZACHERL (FOR STS) COUNTY MONTGOMERY
DRAWN BY D.A. NIES (FOR STS) LOGMILE 15018504.63
CHECKED BY S. RENZI T.I.M.S. NO. 1196
F.A.P. NO. TOD NO.

TS NO. 3478A | DRAWING NO. 1 OF 2 | SHEET NO. | OF

TOD No. XX444-01
SHA No. MO526A51/B51

BY: Smith