DRILL HOLES

BORDER REV. DATED June 1, 2004

PROPOSED SIGNS

45.46.47.48 — S1-1 36" x 36" — AHEAD — S4-4(3) 30"X12" FY/G — GROUND MOUNTED

28.34.39.44.49.50.51.53 — S1-1 36" x 36" — W16-7p(L) 24" x 12" FY/G — GROUND MOUNTED

24.27.30.33.52.54.63.64.65.66 — S1-1 36" x 36" — W16-7p(L) 24" x 12" FY/G

37.43 — R4-7 24" x 30"

R10-3(1) 9" x 15" — 55.57

R10-3(1) 9" x 15" — 56.58

MD 214 (CENTRAL AVE)

NOTE: MD 214 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

R10-3(1) 9" x 15" — 59 — CAMPUS WAY NORTH

R10-3(1) 9" x 15" — 60 — CAMPUS WAY NORTH

R10-3(1) 9" x 15" — 61 — CAMPUS WAY SOUTH

R10-3(1) 9" x 15" — 62 — CAMPUS WAY SOUTH

EXISTING SIGNS (CON'T)

26a Campus Way S ⇨ | 26b ⇦ Campus Way S — D3-2 (DUAL FACED) VARIABLE X 16"

32a Campus Way N ⇨ | 32b ⇦ Campus Way N — D3-2 (DUAL FACED) VARIABLE X 16"

36 WEST MARYLAND 214 — ASSOCIATED SHIELD ASSEMBLY

41 EAST MARYLAND 214 — ASSOCIATED SHIELD ASSEMBLY

EXISTING SIGNS

25.42 — R3-5L ONLY 30"x 36"

23 — LAKE ARBOR / ERNEST E. JUST

29 — LAKE ARBOR / ERNEST E. JUST

35 EAST MARYLAND 214 — ASSOCIATED SHIELD ASSEMBLY

40 WEST MARYLAND 214 — ASSOCIATED SHIELD ASSEMBLY

31.38 — R3-5B ONLY ONLY 60"x 36"

PROPOSED LED SIGNALS

1.2.5.6 — 12"

9.10.12.13 — 12"

3.4.7.8.11.14 — 12"

15-22 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

■◄ - VIDEO DETECTION CAMERA (a)

■◄ - VIDEO DETECTION CAMERA (b-d)

EXISTING OPTICOM DETECTOR EYE

NEMA PHASING

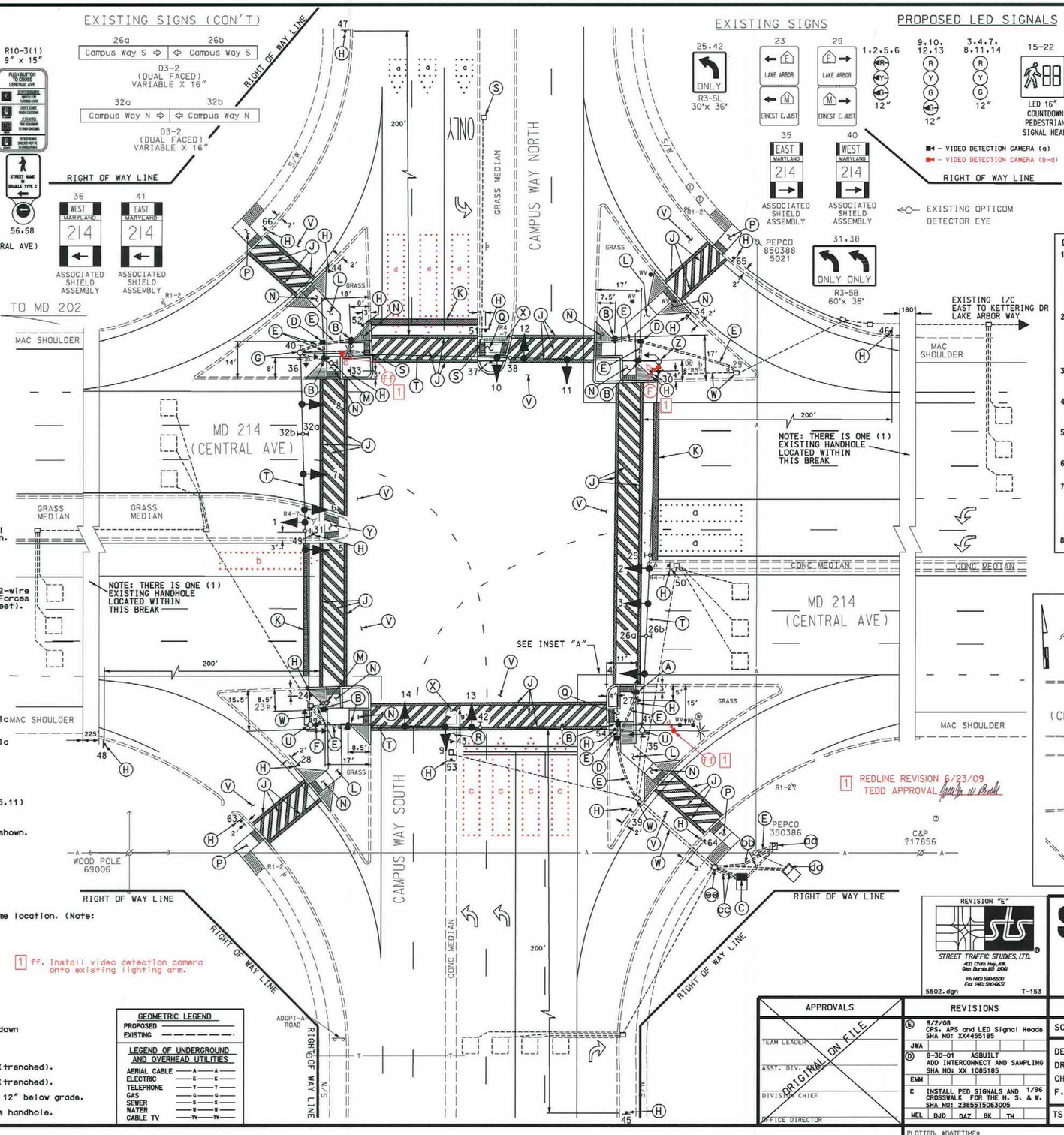
Ø1 Ø2 Ø3 Ø4 PRE EMPT 1

Ø5 Ø6 Ø3 ALT 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



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.

CONSTRUCTION DETAILS

A. Install 14' breakaway pedestal pole, Countdown pedestrian signal head, audible pushbutton, and pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 5' pedestal pole with audible pusbutton and pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install NEMA size "6" base-mounted cabinet and controller with 2-wire control unit and all necessary equipment as shown. (Note: SHA Forces shall transfer existing phone drop. (See General Information sheet).

D. Install handhole.

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

F. Install video detector camera onto strain pole as shown.

G. Use existing conduit bend in pole base for installation of signal equipment. Remove existing pedestrian signal heads, pushbutton and pedestrian education sign.

H. Install ground mounted signs as shown.

J. Install 12" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk).

K. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline)

L. Install 5" concrete sidewalk.

M. Remove existing pedestal pole, signs, pedestrian equipment and foundation 12" below grade.

N. Install proposed perpendicular handicapped ramp (Std. No. MD 655.11) detectable warning surface (Std. No. MD 655.40).

O. Remove existing pedestrian signal head and install LED Countdown pedestrian signal heads and School Crossing signs as shown.

P. Install proposed handicapped ramp (Std. No. MD 655.13) with detectable warning surface (Std. No. MD 655.40).

Q. Install median or island cut-through (Std. No. MD 655.21)

R. Cut back existing median nose as shown.

S. Remove existing handhole. Cap and adandon existing conduit.

T. Remove existing signal heads and install LED signal heads in same location. (Note: Maintain existing tethering).

U. Remove existing pedestrian signal head(s) and install LED Countdown pedestrian signal head(s) as shown.

V. Remove existing pavement markings (crosswalk and/or stopline)

W. Use existing handhole / conduit.

X. Remove existing ground mounted sign.

Y. Install detectable warning surface (Std. No. MD 655.40) onto existing depressed median as shown.

Z. Remove existing pedestrian signal head(s) and install LED Countdown pedestrian signal heads and sign as shown.

aa. Install meter pedestal.

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

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

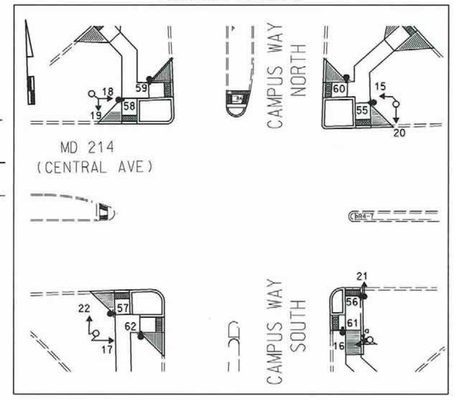
dd. Remove existing base mounted cabinet, controller and foundation 12" below grade.

ee. Disconnect wiring from existing controller and pull back to this handhole. Reroute wiring thru proposed conduit to new cabinet.

1 ff. Install video detection camera onto existing lighting arm.

INSET "A"

PEDESTRIAN NUMBERING



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 "E"

STREET TRAFFIC STUDIES, LTD.
400 Chris Way, Ste.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5502.dgn T-153

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 214 (CENTRAL AVE) AND CAMPUS WAY (NORTH/SOUTH)

LARGO, MARYLAND

TRAFFIC SIGNAL PLAN

APPROVALS	REVISIONS
TEAM LEADER	(E) 9/2/08 CPS: APS and LED Signal Heads SHA NO: XX4455185 — JWA
ASST. DIV.	(D) 8-30-01 ASBUILT ADD INTERCONNECT AND SAMPLING SHA NO: XX 1085185 — EMM
DIVISION CHIEF	C INSTALL PED SIGNALS AND CROSSWALK FOR THE N. S. & W. SHA NO: 23855T5063005 1/96 — MEL DJD DAZ BK TH
OFFICE DIRECTOR	

ORIGINAL ON FILE

SCALE 1"= 20' DATE 4/80 CONTRACT NO. P-732-503-371

DESIGNED BY
DRAWN BY R. LIGON
CHECKED BY
F.A.P. NO.

COUNTY PRINCE GEORGE'S
LOGMILE 16021405.10
TIMS NO. 1922
TOD NO.

TS NO. 1775D | DRAWING NO. 1 OF 2 | SHEET NO. OF

PLOTTED: $DATETIME$
FILE: $FILE$