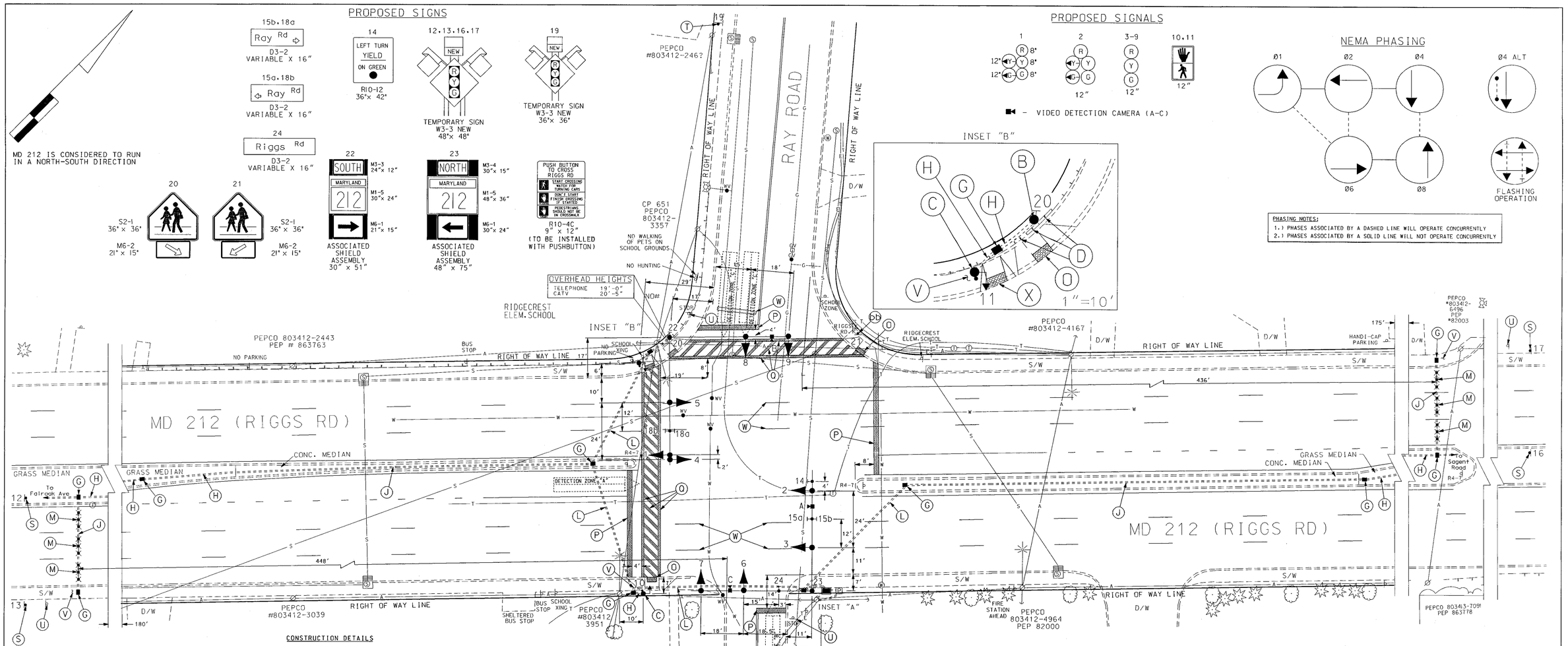

CONSTRUCTION DETAILS

A. Install 15' 'T' steel pole with twin 50'/50' mast arms, traffic signal heads, signs and video detection as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 15' 'T' steel pole with twin 60'/50' mast arms, traffic signal heads, signs, and video detection sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install 10' breakaway pedestal pole, pedestrian signal heads, pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. The contractor shall install 6' w-beam guardrail post as shown.

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

F. Install metered pedestal for electrical utility service equipment as shown.

G. Install handhole.

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

J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

K. Install 2-4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

M. Install non-invasive microloop probe with 1000 ft. lead in cable.

N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of power cable coil up at base of utility pole for proposed underground electrical service by PEPCO.

O. Install detectable warning surface as shown.

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

Q. Install 12" white heat applied permanent preformed thermoplastic pavement marking (crosswalk with hatching).

R. Install 25' of yellow centerline as shown.

S. Install W3-3 ground mounted (on 2-4"x 6" wood posts) signs 625' from stop line as shown.

T. Install W3-3 ground mounted (on 4"x 6" wood post) sign 250' from stop line as shown.

U. Remove existing ground mounted sign and post as shown.

V. Remove existing sidewalk section and replace in kind after the installation of the proposed equipment.

W. Remove existing crosswalk and or pavement markings as shown.

X. The contractor shall install handicap ramp with detectable warning surfaces as shown.

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

aa. Install ground mounted sign as shown.

bb. Install 4 "x 6" wood post as shown.

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.

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—

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

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REVISIONS

APPROVALS	
Amy K. Beall 9-2-04	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
9/2/04	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
9-4-03	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
for 9-3-04	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 212 (RIGGS RD) AND RAY RD

CHILLUM, MARYLAND

SHA#: PG\17A6P\6659 TODE: AT6560-21

DRAWN BY:	W J NIES	F.A.P. NO.		TS NO. 4337	SHEET NO. 1 OF 3
CHECKED BY:	J ALLEN	S.H.A. NO.	AT3565185		
SCALE:	1"= 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. G270	
DATE:	9/01/04	LOG MILE:	16021200.60		