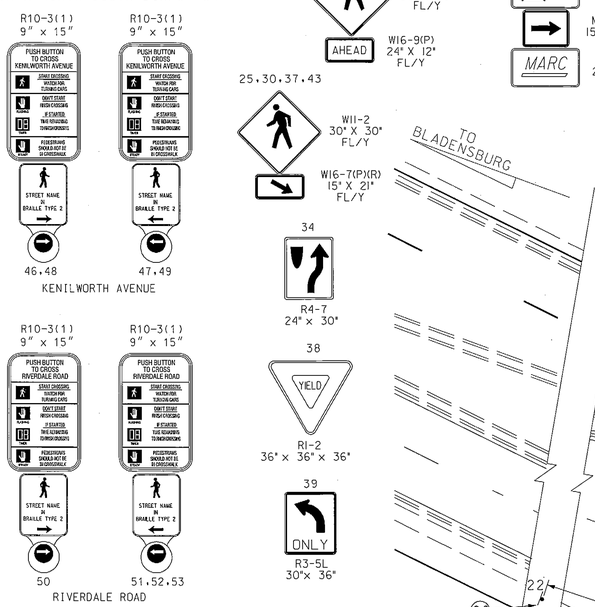
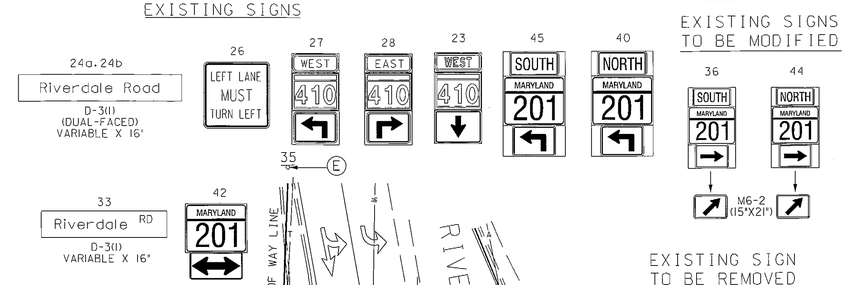
BORDER REV: DATE: June 1, 2004

MD 201 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS



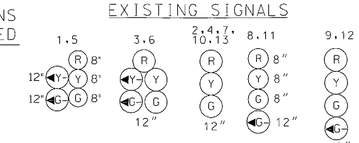
EXISTING SIGNS



EXISTING SIGNS TO BE MODIFIED

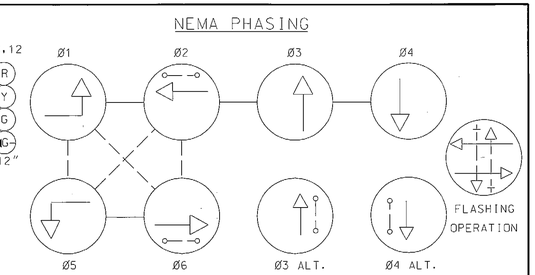
EXISTING SIGNS TO BE REMOVED

EXISTING SIGNALS



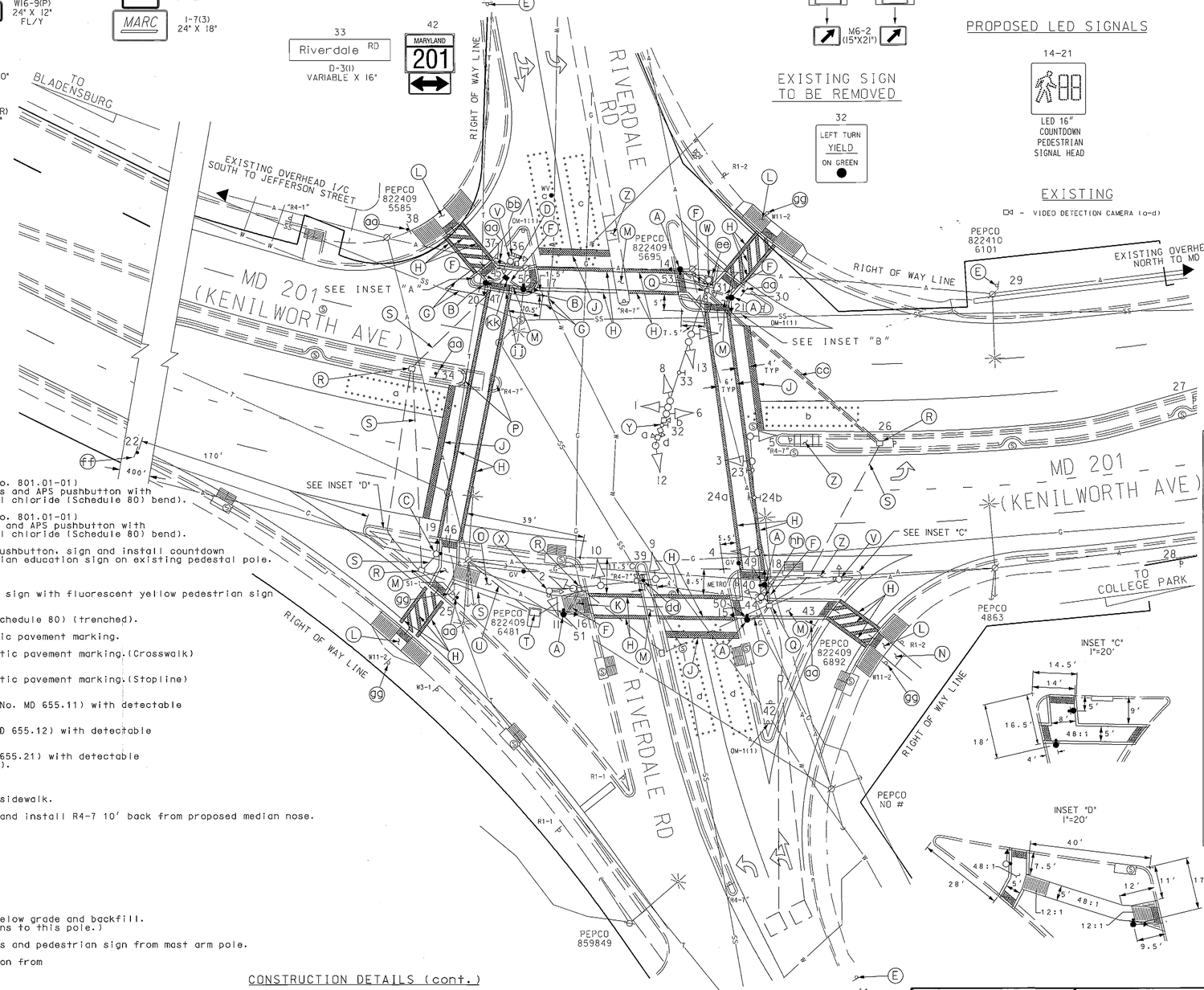
PROPOSED LED SIGNALS

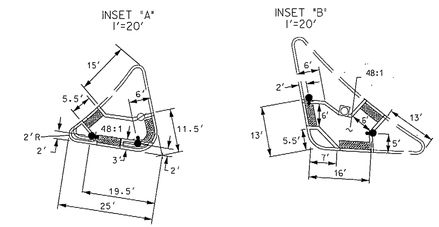
NEMA PHASING



PHASING NOTES:

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





CONSTRUCTION DETAILS

A. 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).

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

C. Remove existing pedestrian signal head along with pushbutton, sign and install countdown pedestrian signal head, APS pushbutton with pedestrian education sign on existing pedestal pole.

D. Remove existing handhole.

E. Replace fluorescent green pedestrian sign & "AHEAD" sign with fluorescent yellow pedestrian sign & "AHEAD" sign.

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

G. Install 5" white heat applied preformed thermoplastic pavement marking.

H. Install 12" white heat applied preformed thermoplastic pavement marking.(Crosswalk) (Note:Contractor shall remove existing Crosswalk.)

J. Install 24" white heat applied preformed thermoplastic pavement marking.(Stopline) (Note:Contractor shall remove existing stopline.)

K. Install proposed perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).

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

M. Install median and island cut-through (STD. No. MD 655.21) with detectable warning surface when applicable (STD. No. MD 655.40).

N. Install a 5'x 5' section of sidewalk.

O. Remove existing sidewalk and replace with proposed sidewalk.

P. Contractor shall cut back existing median nose 12' and install R4-7 10' back from proposed median nose.

Q. Adjust existing handhole to grade.

R. Use existing handhole.

S. Use existing conduit.

T. Use existing cabinet and controller.

U. Maintain existing underground electrical service.

V. Remove existing pedestal pole with foundation 12" below grade and backfill. (Note: Contractor shall abandon existing conduit runs to this pole.)

W. Remove existing pedestrian signal heads, pushbuttons and pedestrian sign from mast arm pole.

X. Remove existing pedestrian signal head and pushbutton from mast arm pole.

Y. Remove existing R10-12 sign as shown.

Z. Contractor shall remove existing median cut through or handicap ramp and replace with curb, gutter and sidewalk.

aa. Install ground mounted sign as shown.

bb. Remove existing "South MD 201" with left arrow Guide sign. Contractor shall rivert M6-2(R) arrow overtop of existing M6-1 arrow on Guide sign.

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

dd. Install overhead sign as shown.

ee. Remove and replace the existing MARC train sign attached to the existing signal pole as shown.

CONSTRUCTION DETAILS (cont.)

ff. Install ground mounted sign 170' from tip of island as shown.

gg. Remove existing ground mounted pedestrian crossing or school crossing sign and post.

hh. Remove existing pedestrian signal head and pushbutton from mast arm pole. Contractor shall rivert M6-2(R) arrow overtop of existing M6-1 arrow on pole mounted Shield Assembly sign as shown.

jj. Remove existing curb and gutter. Saw cut roadway and widen concrete island by 1' as shown.

kk. Locate existing conduit and install handhole 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 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. 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 necesary 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.

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 "D"

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

5793.dgn T-249

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

REVISIONS					
D INSTALL APS, CPS ON ALL LEGS AND LED SIGNAL HEADS. TIMS NO: I 936 SHA NO:XX4275188/ADA:XX0205476/ JWA					1-21-10
C ADDITION OF SIGNAL HEADS. ADD PM'S AND ASSOC. SIGNING. AT3565185					10/04
B SIGNAL EQUIPMENT MODIFICATION DUE TO GEOMETRIC IMPR. PG 2072283					2/99
	BT	DAZ		BRK	TH

PLOTTED: FRIDAY, JANUARY 22, 2010 AT 01:17 PM
FILE: J:\DATA\J936\TEDD PSE SUBMITTAL PLANS\5793.DGN

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 201 (KENILWORTH AVE) AND RIVERDALE ROAD

RIVERDALE, MARYLAND

TRAFFIC SIGNAL PLAN

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

DESIGNED BY S.RENZI
DRAWN BY B.THOMPSON
CHECKED BY _____
F.A.P. NO. _____
COUNTY PRINCE GEORGE'S
LOGMILE 16020103.80
TIMS NO. G511
TOD NO. _____

TS NO. 708 D | DRAWING NO. 1 OF 2 | SHEET NO. OF