EXISTING
~~PROPOSED~~ SIGNS

8a
Pike Ridge Road

8b
Pike Ridge Road

D-3(1)
16" x Var.
Dual-faced

9
LANE ENDS — Black/Yellow
MERGE LEFT — Black/White
W 9-2(4)R
42" x 30"

10
NEW
Pike Ridge Rd
Temporary Sign
W 3-3
48" x 48"
D-3(2)
72" x 12"

11
NEW
Pike Ridge Rd
Temporary Sign
W 3-3
48" x 48"
D-3(2)
72" x 12"

EXISTING
~~PROPOSED~~ SIGNALS

1
8"/12" (LED)

2
12" (LED)

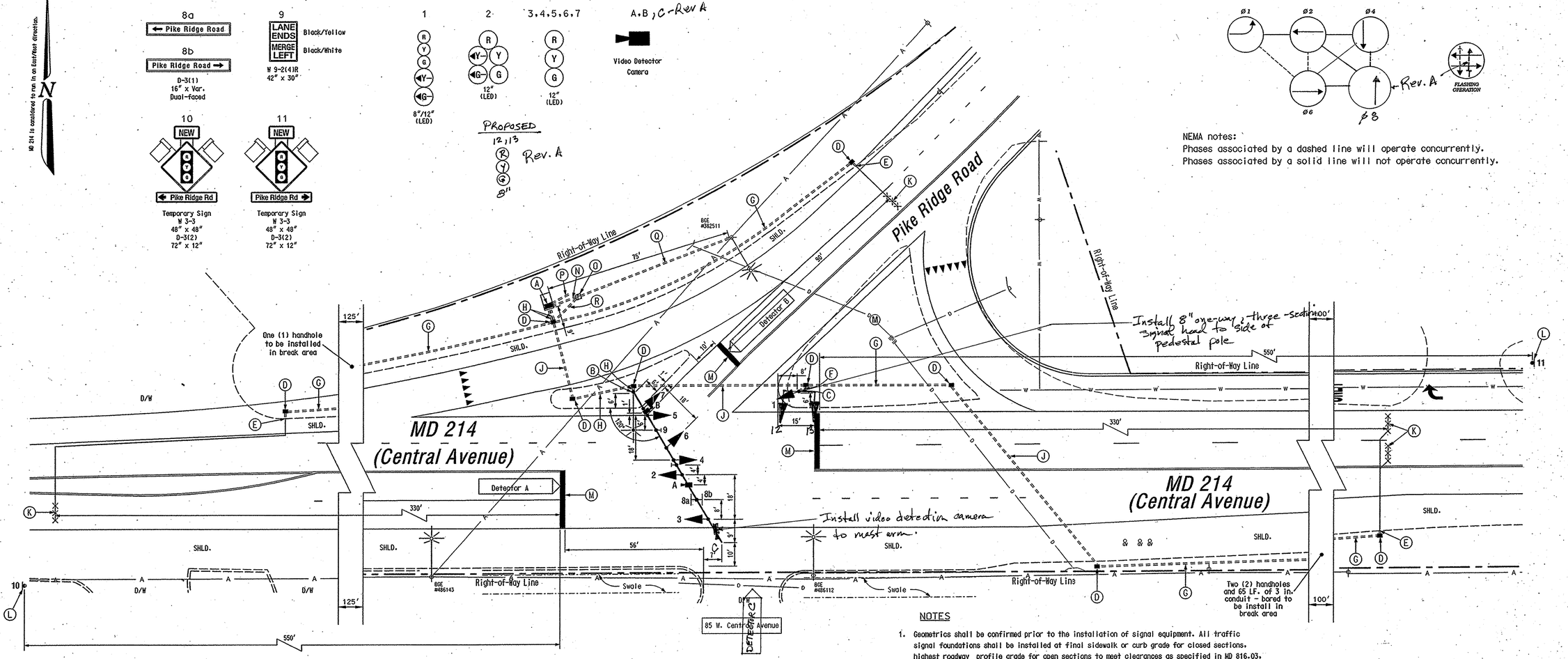
3,4,5,6,7
12" (LED)

A,B,C-Rev A
Video Detector Camera

PROPOSED
12,13
Rev. A
8"

PROPOSED NEMA PHASING

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller.
B. Install 27 ft. steel mast arm pole with 70 ft. mast arm, vehicle signal heads, signs, video detection cameras, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 4 in. PVC conduit bend).
C. Install 14 ft. steel pedestal pole on break away base with signal head (Note: one 2 in. PVC conduit bend).
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
K. Install mirco-loop probe (set of 3).
L. Install ground mounted sign as shown.
M. Install 24 in. wide pavement marking - white for stop line.
N. Install 2 in. conduit for an underground electrical service from pedestal to controller/cabinet.
O. Install electrical service pedestal (200-amp) for an underground electrical (MD-SHA Type 807.05-01) underground service.
P. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched for phone service by Verizon.
Q. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched with pull string from service pedestal to BGE pole base #382511 for underground electrical service.
R. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched for street lighting.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at 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, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
D — STORM DRAIN
A — AERIAL CABLES
T — TELEPHONE CABLES

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

A — Install signal heads + video for Ped Ent. SF-SIGNAL — MHB

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 10-31-05
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 10-31-05
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 10/31/05
DIRECTOR, TRAFFIC & SAFETY — 10/31/05

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 214 at Pike Ridge Road

DRAWN BY:	F. Brownley	F.A.P. NO.	N/A	TS NO. 4413 A	SHEET NO.
CHECKED BY:		S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	Anne Arundel	T.I.M.S. NO.	1 OF 2
DATE:	October 27, 2005	LOG MILE:	02021405.64		

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