CONSTRUCTION DETAILS

A. Install a 12 in. x 30 ft. steel strain pole signal heads, push button and R10-4(I) sign, and a 20 ft. lighting arm with a 250 Watt HPS lamp and luminare. (Note: two-3 in. PVC schedule 80 conduit bends and four 1 3/4 in. x 90 in. anchor bolts.)

B. Remove existing steel strain pole and foundation.

C. Remove existing steel span wire, signal heads, signs, and associated wiring.

D. Pull all proposed electrical cables into the existing controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by MD-SHA forces.

E. Install 3/8 in. steel wire, 1/4 in. tether wire, and proposed signal heads and signs as shown.

F. Remove/grind existing pavement marking.

G. Use existing conduit.

H. Install two 5 in. yellow, reflective, thermoplastic pavement marking with 4 in. space between lines as shown.

I. Install a 12 in white, reflective, thermoplastic pavement marking as shown.

J. Install 24 in. white, reflective, thermoplastic pavement marking as shown.

K. Install a 6 ft. x 30 ft. quadruple vehicle loop detector (3-6-3-turns) encased in 1/4" flexible tubing.

L. Install 1 in. galvanized conduit for detector wire sleeve.

M. Abandon existing loop detector.

N. Use existing strain pole.

O. Install electrical cables on existing span wire. (Note: Re-ring existing span.)

P. Install 2 in. PVC schedule 80 electrical conduit-trenched.

Q. Install electrical handhole.

R. Install electric cables on existing spanwire. (Note: re-ring existing span.)

S. Install span and tether wire 2 feet minimum from existing overhead Bell Atlantic cables. Contact Mike Manokey of Bell Atlantic at 410-393-0013 to coordinate relocation of Bell Atlantic cables.

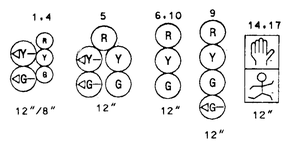
T. Install a 5 in. white, reflective, thermoplastic pavement marking as shown.

U. Install signal head on existing span wire.

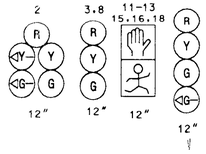
V. Abandon existing handhole

W. Relocate existing signal head

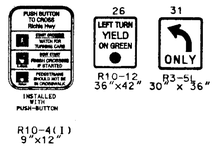
PROPOSED SIGNALS



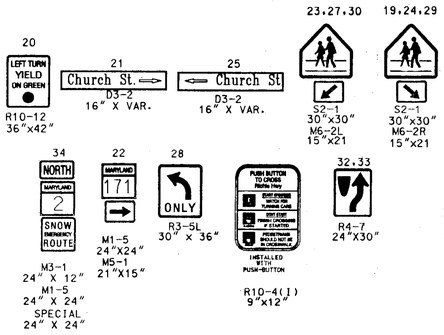
EXISTING SIGNALS



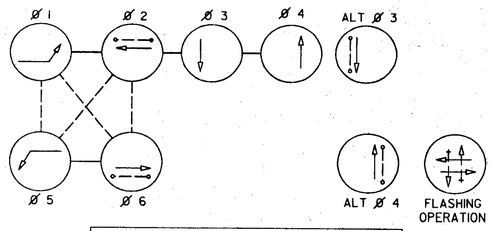
PROPOSED SIGNS



EXISTING SIGNS

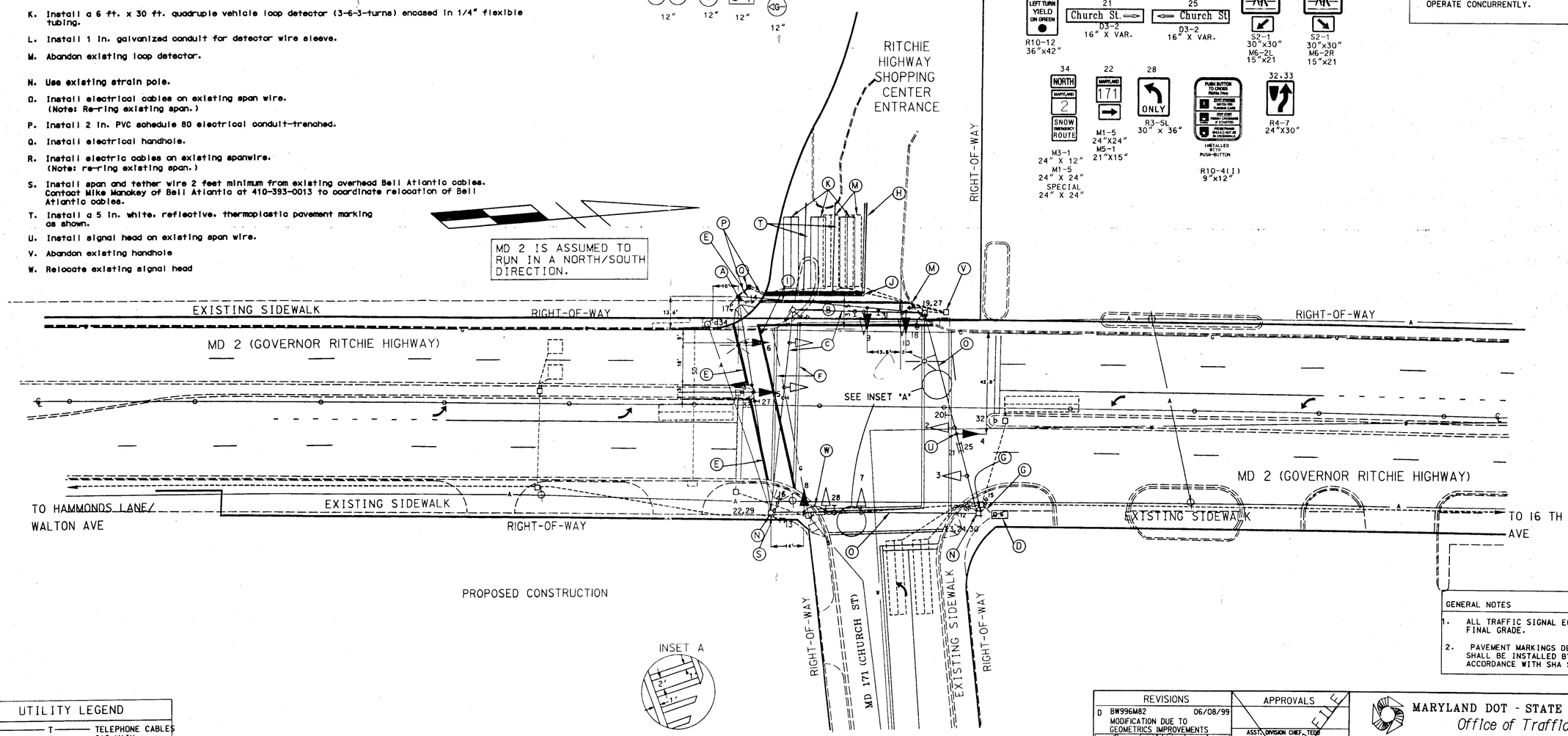


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY DASHED LINES WILL OPERATE CONCURRENTLY.
2. PHASE ASSOCIATE BY SOLID LINES WILL NOT OPERATE CONCURRENTLY.



GENERAL NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.

UTILITY LEGEND

T	T	TELEPHONE CABLES
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
BC		BURIED CABLE
SD		STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

REVISIONS	
D BW996M82 MODIFICATION DUE TO GEOMETRICS IMPROVEMENTS	06/08/99
C. MODIFICATION DUE TO GEOMETRICS-INTERCONNECT ADDED SHA AA 548-501-583	9/93
B. RECUT LOOPS	12/19/90
A. AS BUILT	11/90

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

WELLS & ASSOCIATES, LLC
TRAFFIC, TRANSPORTATION, and PARKING CONSULTANTS
Suite 600, 1420 Spring Hill Rd., McLean, Virginia 22102
Telephone: 703/917-6620 Facsimile: 703/917-0739

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 (Governor Ritchie Highway) at MD 171 (Church Street)/ Ritchie Highway Shopping Center Entrance

LOG MILE # 02000240.60 — DATE 11/15/12

DRAWN BY: T.T. LANE (C.E.D)	F.A.P. NO.		T.S. NO.	SHEET NO.
CHECK BY: R.W. HARRIS (C.E.D)	S.H.A. NO.	BW996M82	795D	1 OF 2
SCALE: 1"=20'	COUNTY	Anne Arundel		

© WSZ.dgn Jun 18, 1999 13:26:26