MD 97 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION

EXISTING SIGNALS TO REMAIN

1,2,5,6: IR, IY, IG
3,4,7,8, 11,14: R, Y, G
9,10, 12,13: R, Y, G, IG

EXISTING SIGNALS TO BE REMOVED

15a,16a,17a
18a,19a,20a

PROPOSED LED SIGNALS

15,16,17
18,19,20

16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

EXISTING VIDEO DETECTION TO REMAIN

a

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

22, 24, 29, 27, 34,37

R10-4(1) (9"x12")

NEMA PHASING

Ø1, Ø2, Ø3, Ø4, FLASHING OPERATION

Ø5, Ø6, Ø4 ALT.

EXISTING SIGNS TO REMAIN

30 R3-5L, 31 R3-6L, 32 R3-5R

21,23 Dennis Ave. <2100; 25,26 Dennis Ave. 2100>; 28,33 Georgia Ave. 10500>; 35,36 Georgia Ave. <10500

D3-2 VARIABLE X 16" (DUAL-FACED)

EXISTING SIGNS AND PUSHBUTTONS TO BE REMOVED

22a,24a, 29a,37a

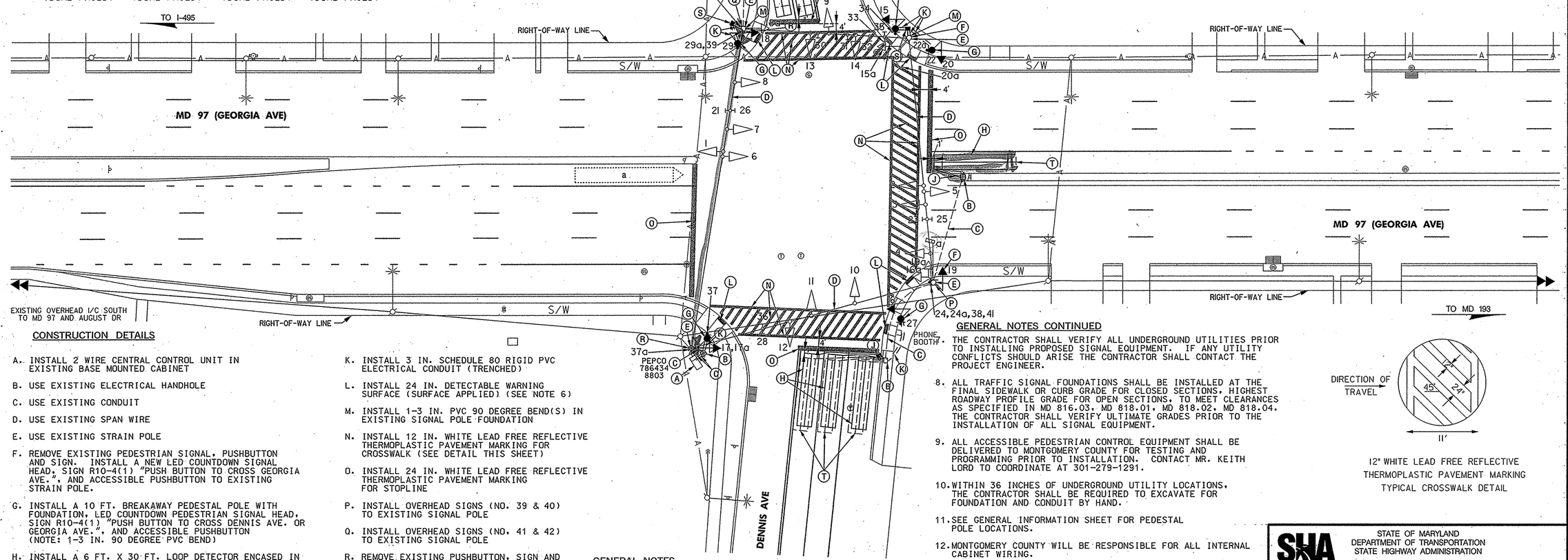
PUSH BUTTON WAIT FOR WALK SIGNAL

PROPOSED SIGNS

38 NORTH MARYLAND 97, 39 SOUTH MARYLAND 97, 40 SOUTH MARYLAND 97, 41 NORTH MARYLAND 97

SHIELD ASSEMBLY (24"x51") (36"x75")

NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 2 WIRE CENTRAL CONTROL UNIT IN EXISTING BASE MOUNTED CABINET

B. USE EXISTING ELECTRICAL HANDHOLE

C. USE EXISTING CONDUIT

D. USE EXISTING SPAN WIRE

E. USE EXISTING STRAIN POLE

F. REMOVE EXISTING PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. INSTALL A NEW LED COUNTDOWN SIGNAL HEAD, SIGN R10-4(1) "PUSH BUTTON TO CROSS GEORGIA AVE.", AND ACCESSIBLE PUSHBUTTON TO EXISTING STRAIN POLE.

G. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGN R10-4(1) "PUSH BUTTON TO CROSS DENNIS AVE. OR GEORGIA AVE.", AND ACCESSIBLE PUSHBUTTON (NOTE: 1-3 IN. 90 DEGREE PVC BEND)

H. INSTALL A 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS)

J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE

K. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

L. INSTALL 24 IN. DETECTABLE WARNING SURFACE (SURFACE APPLIED) (SEE NOTE 6)

M. INSTALL 1-3 IN. PVC 90 DEGREE BEND(S) IN EXISTING SIGNAL POLE FOUNDATION

N. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK (SEE DETAIL THIS SHEET)

O. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOPLINE

P. INSTALL OVERHEAD SIGNS (NO. 39 & 40) TO EXISTING SIGNAL POLE

Q. INSTALL OVERHEAD SIGNS (NO. 41 & 42) TO EXISTING SIGNAL POLE

R. REMOVE EXISTING PUSHBUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD

S. INSTALL ELECTRICAL HANDHOLE

T. ABANDON EXISTING LOOP DETECTOR

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
4. THE CONTRACTOR SHALL DISPOSE OF ALL PEDESTRIAN SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
5. THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALKS ON EXISTING RAMPS.
6. PLACE A 24 INCH WIDE DETECTABLE WARNING SURFACE (SURFACE APPLIED) ONTO THE EXISTING RAMP. THE MAT SHALL NOT EXTEND ONTO THE SIDE FLARES.

GENERAL NOTES CONTINUED

7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. 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, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
9. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO MONTGOMERY COUNTY FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. KEITH LORD TO COORDINATE AT 301-279-1291.
10. WITHIN 36 INCHES OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
11. SEE GENERAL INFORMATION SHEET FOR PEDESTAL POLE LOCATIONS.
12. MONTGOMERY COUNTY WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
13. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
14. THE CONTRACTOR SHALL CONTACT MCDPQ&T TMC AT 240-777-2100, 72 HOURS PRIOR TO MARK UNDERGROUND SIGNAL EQUIPMENT.

DIRECTION OF TRAVEL

12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING TYPICAL CROSSWALK DETAIL

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

See Note No. 1 on Sheet No. 1

STV Incorporated
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BY: WEAVERCC

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

REVISIONS

C	ADD APS AND COUNTDOWN PED. SIGNALS. CONTRACT #M03035177		2/2006
B	REPLACE SIGNAL HEADS, CHANGE TO VIDEO DETECTION FOR NB MD 97.		4-15-02
A	AS BUILT		7-8-97

JOG MR BK
RRZ

SHA — STATE OF MARYLAND, DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY, TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (GEORGIA AVENUE) AND DENNIS AVENUE

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE _____ CONTRACT NO. MO619A5B358

DESIGNED BY _____ COUNTY MONTGOMERY
DRAWN BY J.W. SCHMITT LOGMILE 15009702.30
CHECKED BY _____ T.I.M.S. NO. H326
F.A.P. NO. _____ TOD NO. _____

DRAWING NO. TS-216C OF SHEET NO. OF

PLOTTED: FRIDAY, MARCH 31, 2006 AT 10:03 AM
FILE: I:\PROJECTS\0312513\0312513.0009\DRAWINGS\TRA\DENNIS AVE\PSG-P000_MD97.DGN