MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

VIDEO DETECTION ZONE

PROPOSED SIGNS

8"/6" 'C' TEXT COMPRESSED 20%

19 — N. Hampshire AVE <00000 — D-3(1) (DUAL FACED) (VARIABLE x 16")

20 — N. Hampshire AVE >00000 — D-3(1) (DUAL FACED) (VARIABLE x 16")

23 — N. Hampshire AVE <00000 — D-3(1) (DUAL FACED) (VARIABLE x 16")

21 — N. Hampshire AVE >00000 — D-3(1) (DUAL FACED) (VARIABLE x 16")

△18 — ONLY — R3-5L (30" x 36")

22 — R3-6 (30" x 36")

24 — ONLY — R3-5R (30" x 36")

PROPOSED VIDEO DETECTION CAMERA

a,b,c,d

PROPOSED SIGNAL HEADS

1,2 — 12" LED

3-9 — 12" LED

10-17 — 16"

NEMA PHASING

Ø1 Ø2 Ø4 Ø2+Ø6 ALT. Ø4+Ø8 ALT

Ø6 Ø8

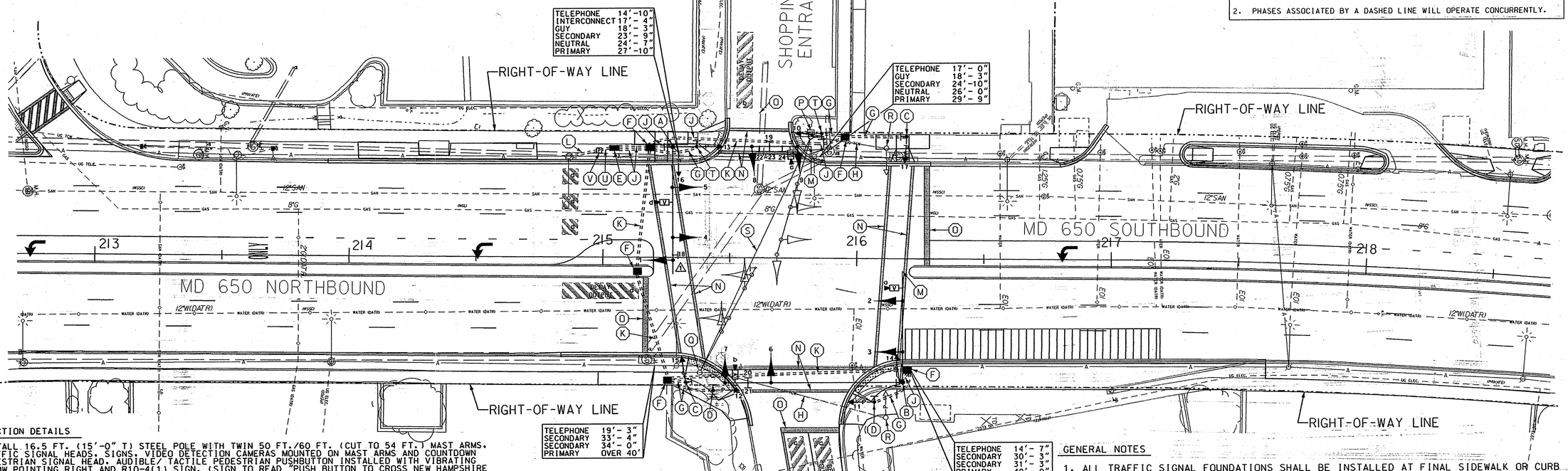
FLASHING OPERATION

SPECIAL NOTES:

1. THE EXISTING TRAFFIC SIGNAL SHALL REMAIN OPERATIONAL WHILE THE PROPOSED TRAFFIC SIGNAL IS BEING CONSTRUCTED. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNAL HEADS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.
2. THE TACTILE ARROWS FOR THE AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.

PHASING NOTES:

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



CONSTRUCTION DETAILS

A. INSTALL 16.5 FT. (15'-0" T) STEEL POLE WITH TWIN 50 FT./60 FT. (CUT TO 54 FT.) MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARMS AND COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-4(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NEW HAMPSHIRE AVE."). (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).

B. INSTALL 16.5 FT. (15'-0" T) STEEL POLE WITH TWIN 50 FT. (CUT TO 43 FT.)/70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-4(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NEW HAMPSHIRE AVE."). (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).

C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-4(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NEW HAMPSHIRE AVE."). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE."). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER. EXISTING SIDEWALK WILL BE USED AS CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)

F. INSTALL HANDHOLE.

G. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

H. CAP AND ABANDON EXISTING CONDUIT.

J. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

K. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).

L. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.

M. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

N. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).

O. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).

P. REMOVE EXISTING STEEL POLE AND POLE MOUNTED CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA FORCES TO REMOVE CONTROLLER AND ALL AUXILIARY EQUIPMENT.

Q. REMOVE EXISTING STEEL POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.

R. REMOVE EXISTING PEDESTRIAN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.

S. REMOVE EXISTING SPAN WIRE.

T. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE."). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

U. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.

V. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 1-2 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND IN PEDESTAL BASE.

GENERAL NOTES

1. 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 CLEARANCE 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. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
4. INSTALL CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
5. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
6. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
7. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.

TSP-3

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates, LLP
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REVISIONS

△ ADDED R3-5L SIGN ON SB MD 650 — ADDENDUM NO. 1 — 8/01/06 — SRB NML

Ⓐ REBUILD TRAFFIC SIGNAL CONTRACT NO. M0333984 — 4/18/06 — SRB NML

APPROVALS

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF - TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

MD 650 AND TAKOMA/LANGLEY/HAMPSHIRE LANGLEY SHOPPING CENTERS

DRAWN BY: W. GUCKERT	F.A.P. NO.	TS NO. TS-720A	SHEET NO.
CHECKED BY:	S.H.A. NO. P-731-501-376		
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES	T.I.M.S. NO. G116	39 OF 69
DATE: 3/15/74	LOG MILE: 16065001.91		