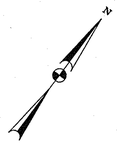


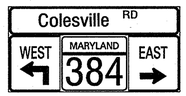
COLESVILLE ROAD IS ASSUMED TO RUN IN A EAST/WEST DIRECTION.

PROPOSED SIGNS

16,18

R4-7
(24"x30" @ 15°)

20



M95-1 MOD
(72"x40")

17

R3-1 (MOD)
24"x36"

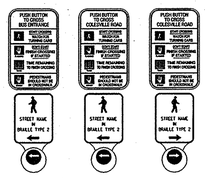
19

R3-5(L)
30"x36"

21

R10-11b
24"x24"

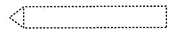
12,13 14 15



R10-4(1) MOD
9"x12"
(TO BE INSTALLED WITH APS PUSHBUTTON)

a,b

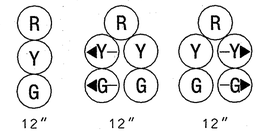
PROPOSED VIDEO DETECTION



VIDEO DETECTION ZONE

PROPOSED LED SIGNALS

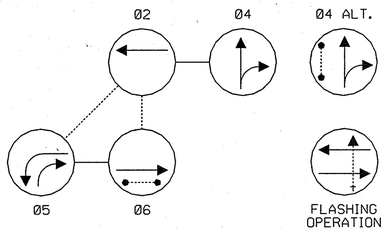
1,2,5,6 3,4 7



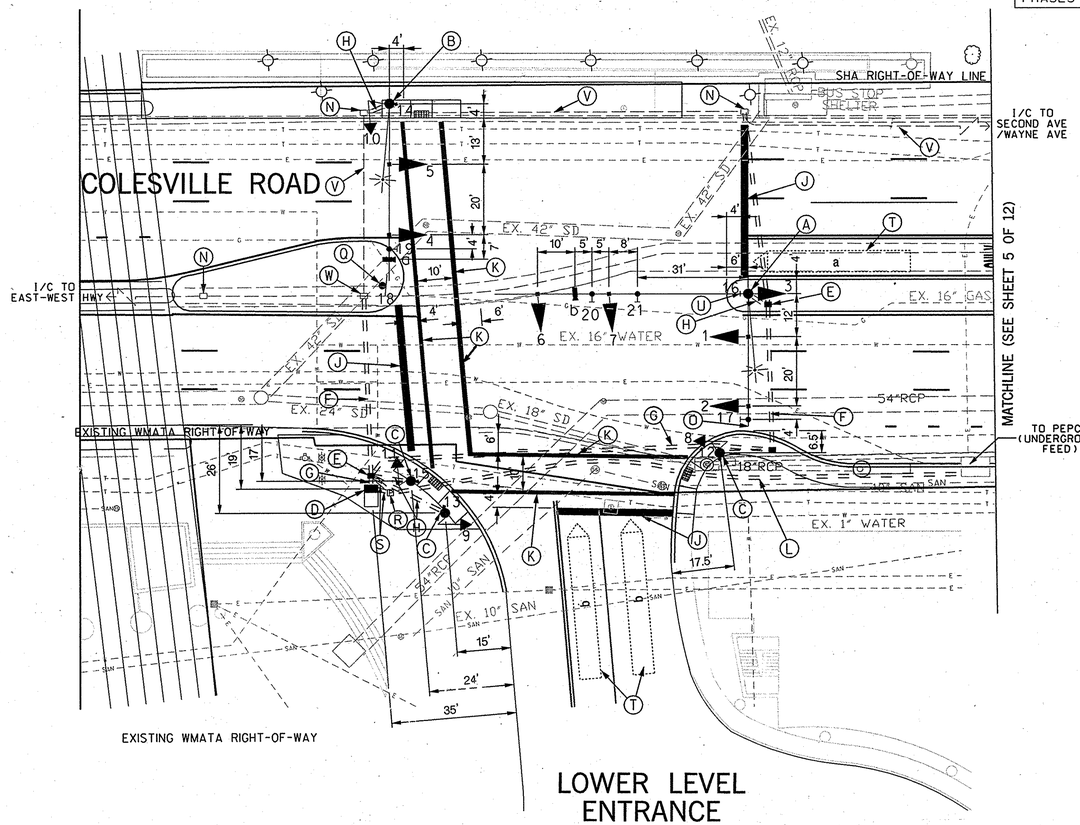
8,9,10,11

16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOL'D LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH TWIN 50'-70' MAST ARMS (CUT 50' MAST ARM TO 38'), TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20' LIGHTING ARM AND 250W HPS LUMINARIRE. (NOTE: 1-3", 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

B. INSTALL 27' STEEL POLE WITH A SINGLE 50' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, APS STATION AND SIGN, 20' LIGHTING ARM AND 250W HPS LUMINAIRE. (NOTE: 1-3", 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

C. INSTALL 10' BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL, APS STATION AND SIGN (NOTE: 1-3", 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

D. INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-4" AND 2-2" POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

E. INSTALL HANDHOLE

F. INSTALL 2-4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUITS - SLOTTED (NOTE: SECOND CONDUIT IN THE SAME SLOT)

G. INSTALL 2-4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUITS - TRENCHED (NOTE: SECOND CONDUIT IN THE SAME TRENCH)

H. INSTALL 3" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED (NOTE: REMOVE AND RESET BRICK PAVERS WHERE NECESSARY)

J. INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE)

K. INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK)

L. INSTALL 1-4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED WITH PULL STRING FOR PEPCO INSTALLATION OF CABLE

M. NOT USED

N. USE EXISTING HANDHOLE

O. CUT, CLEAN, CAP, AND GALVANIZE

P. NOT USED

Q. INSTALL GROUND MOUNTED SIGN

R. INSTALL 200 AMP METERED SERVICE PEDESTAL

S. INSTALL 2" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED

T. VIDEO DETECTION ZONE

U. INSTALL SIGN BANDED ON SIGNAL POLE

V. USE EXISTING CONDUIT

W. USE EXISTING HANDHOLE. CUT INTERCONNECT CABLE AND PULL BACK TO NEW SIGNAL CABINET.

GENERAL NOTES

1. CONDUIT IS TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
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 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 240-777-2101 AT MONTGOMERY COUNTY 72 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE CONFLICT MAY BE RESOLVED.
3. ALL PROPOSED PAVEMENT MARKINGS (OTHER THAN STOPLINES AND CROSSWALKS) ARE DETAILED ON THE PAVEMENT MARKING PLAN.
4. 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.
5. SEE PLAN SHEETS 11 OF 12 AND 12 OF 12 FOR INTERCONNECT DETAILS.
6. PROPOSED POLES WILL BE PAINTED BROWN BY OTHERS.
7. GEOMETRICS INCLUDING ADA RAMPS AND DETECTABLE WARNING SURFACES SHALL BE DONE BY OTHERS. LOCATIONS OF SIGNAL EQUIPMENT SHALL BE STAKED AND VERIFIED PRIOR TO INSTALLATION.
8. APS SHALL BE DELIVERED TO MONTGOMERY COUNTY SIGNAL SHOP FOR TESTING AND WIRING PRIOR TO INSTALLATION.
9. WHEN SIGNAL CABINET IS INSTALLED, CUT INTERCONNECT CABLE AT HANDHOLE IN WEST LEG AS SHOWN ON PLANS. PULL BACK COILED CABLE FROM HANDHOLES AND REROUTE TO SIGNAL CABINET.

BY: PERMISOHN

SHA No.: BW847M83
MD 384 @ Lower Entrance-Silver Spring Transit Center

ULTIMATE

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

SILVER SPRING TRANSIT CENTER
MD384 (COLESVILLE RD)
AND LOWER LEVEL ENTRANCE

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE 08252006
CONTRACT NO. BW996WZ	
DESIGNED BY KMP	COUNTY MONTGOMERY
DRAWN BY MF	LOGMILE 15035400.33
CHECKED BY KMP CJW	T.I.M.S. NO. H589
F.A.P. NO.	MOD NO.
TS NO. 4488-ULT	DRAWING NO. 3 OF 4 SHEET NO. 3 OF 12

APPROVALS

TEAM LEADER 9/13/06
ASST. DIV. CHIEF 9-18-06
DIVISION CHIEF 9-18-06
OFFICE DIRECTOR 9/18/06

PB 100 YEARS
PARSONS BRINCKERHOFF QUADE & DOUGLAS
100 South Charles Street
Tower 1, 10th Floor
Baltimore, MD 21201-2727
Phone: 410-727-5050
Fax: 410-727-6608

GEOMETRIC LEGEND
EXISTING
PROPOSED

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

PLOTTED: FRIDAY, SEPTEMBER 08, 2006 AT 12:32 PM
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