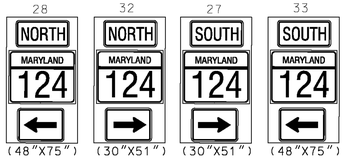
PROPOSED SIGNS

28 | 32 | 27 | 33



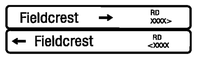
(48"X75") (30"X51") (30"X51") (48"X75")

(ASSOCIATED SHIELD ASSEMBLY)

25,29,34,21

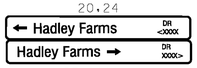
R3-5(L)
(30"x36")

22,23



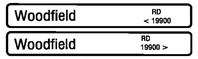
D3-1(1)
(VAR.x16")
(DUAL FACED)

20,24



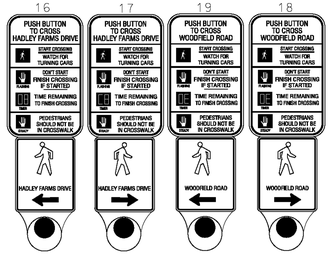
D3-1(1)
(VAR.x16")
(DUAL FACED)

30,31



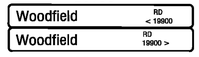
D3-1(1)
(VAR.x16")
(DUAL FACED)

16 | 17 | 19 | 18



R10-3(1) (9" X15")
(TO BE INSTALLED WITH APS PUSH BUTTON)

26,35



D3-1(1)
(VAR.x16")
(DUAL FACED)

PROPOSED SIGNALS

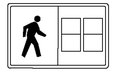
12"

1,2,3,4,5,
6,7,10,11

12"

8,9

16" LED COUNTDOWN PEDESTRIAN SIGNAL



12,13,14,15

PROPOSED VIDEO DETECTION

PRIMARY	EL. 618 ±
SECONDARY	EL. 606 ±
SECONDARY	EL. 605 ±
27' POLE TOP	EL. 605 ±
HORIZONTAL	4'

a,b,c,d

PRIMARY	--
PPG	--
SECONDARY	26'-10"
SECONDARY	26'-2"
LUMINAIRE	25'-0"

PRIMARY	EL. 622 ±
SECONDARY	EL. 604 ±
27' POLE TOP	EL. 608 ±
HORIZONTAL	6'

PRIMARY	56'-0"
SECONDARY	23'-10"
SECONDARY	22'-5"

PRIMARY	47'-0"
PRIMARY	--
SECONDARY	30'-6"
PPG	28'-4"
TEL	26'-8"
TEL	25'-8"
TEL	24'-7"

PRIMARY	EL. 615 ±
SECONDARY	EL. 598 ±
TEL	EL. 594 ±
TEL	EL. 605 ±
27' POLE TOP	EL. 605 ±
HORIZONTAL	7'

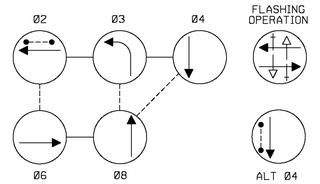
PRIMARY	EL. 625 ±
SECONDARY	EL. 602 ±
TEL	EL. 597 ±
27' POLE TOP	EL. 608 ±
HORIZONTAL	4'

PRIMARY	52'-0"
PRIMARY	--
SECONDARY	25'-0"
TEL	21'-0"
TEL	20'-0"
TEL	19'-0"

MD 124 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION

N

NEMA PHASING



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

RIGHT OF WAY LINE

EXISTING POWER SOURCE

RIGHT OF WAY LINE

RIGHT OF WAY LINE

RIGHT OF WAY LINE

MD 124
(WOODFIELD ROAD)

MD 124
(WOODFIELD ROAD)

HADLEY FARMS DRIVE

FIELDCREST ROAD

ONLY

757492-1126

757492-1038

757492-2239

32

GENERAL NOTES:

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABLE EACH CABLE.
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. CONTRACTOR SHALL BAG ALL SIGNAL HEADS NOT ACTIVELY IN USE DURING CONSTRUCTION.
10. CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN CROSSING PATHS IN ACCORDANCE WITH MUTCD DURING ALL PHASES OF CONSTRUCTION.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH ONE 27' STEEL POLE AND ONE 70' MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSH BUTTON, SIGNS, OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 10' LIGHTING ARM AND 250 WATT HPS LUMINAIRE AS SHOWN, (1-3" CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION WITH ONE 27' STEEL POLE AND ONE 70' MAST ARM,TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, SIGNS, OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 20' LIGHTING ARM AND 250 WATT HPS LUMINAIRE AS SHOWN.(1-3" CONDUIT BEND)
C. INSTALL ELECTRICAL HANDHOLE.
D. INSTALL CONCRETE FOUNDATION WITH A 10' PEDESTAL POLE,PUSH BUTTON AND SIGNS.(1-3" CONDUIT BEND)
E. INSTALL CONCRETE FOUNDATION WITH A 10' PEDESTAL POLE (CUT IN 5') WITH PUSH BUTTON.
G. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER. (2-4", 1-3", AND 1-2" CONDUIT BENDS).
H. INSTALL 2-4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
K. INSTALL 2-4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
M. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
N. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
S. REMOVE EXISTING CABINET AND CONTROLLER.
T. REMOVE EXISTING SIGNAL POLE, SPAN WIRE, TRAFFIC SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PUSH BUTTONS AND LUMINAIRE
X. CAP AND ABANDON EXISTING CONDUIT.
Y. REMOVE EXISTING HANDHOLE.
AA. FURNISH AND INSTALL 2-4" PVC RISERS ON EXISTING UTILITY POLE (1 - FOR PEPCO), (1 - FOR INTERCONNECT) AND PROVIDE 3-60 FOOT 250 KCMIL CABLES COILED AT BASE FOR PEPCO USE.
BB. INSTALL A NEW EMBEDDED METER SERVICE PEDESTAL IN THIS LOCATION TO SERVICE THE NEW SIGNAL CONTROLLER CABINET.
CC. INSTALL MONTGOMERY COUNTY INTERCONNECT SPLICE BOX. (INSTALLATION SHALL BE THE SAME AS A 10' PEDESTAL POLE)
DD. REMOVE EXISTING STOP BAR.

EE. INSTALL CONCRETE FOUNDATION WITH ONE 27' STEEL POLE AND ONE 70' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 10' LIGHTING ARM AND 250 WATT HPS LUMINAIRE AS SHOWN, (1-3" CONDUIT BEND).

GREEN LINE 1 TEDD APPROVAL Jeffrey A. Henkel 9/10/08

RELOCATE POLE ON NORTH WEST CORNER DUE TO OVERHEAD UTILITY CONFLICT

GEOMETRIC LEGEND
EXISTING
PROPOSED

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

KCI TECHNOLOGIES
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
10 NORTH PARK DRIVE
HUNT VALLEY, MD 21030
PHONE:(410) 316-7800
FAX:(410) 316-7817
www.kci.com

BY: Aaron Hottenstein Division: 0101 Transportation

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
ORIGINAL ON FILE
OFFICE DIRECTOR

REVISIONS

C	MD 124 WIDENING 02/2008					
	KCI	JAH	DBD	RDB	RB/WH	TH 3/13
B	REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA M07175185					
	JA					
A	INSTALL E/P PHASE FOR WESTBOUND FIELDCREST TIMS #D-474 12/99					

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

MD 124 (WOODFIELD RD) AND FIELDCREST RD/HADLEY FARMS DRIVE

STAGE I

TEMPORARY TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE N/A CONTRACT NO. M06325171

DESIGNED BY
DRAWN BY J. HENKEL
CHECKED BY
FAP NO. AC-STP-1103(8)E

COUNTY MONTGOMERY
LOGMILE 15012408.87
TIMS NO. H079
TOD NO.

TS NO. 3976-C | DRAWING SP-27 OF 39 | SHEET NO. 285 OF 377

PLOTTED: "10:10 AM on Wednesday, September 10, 2008"
FILE: M:\2007\01070459.db\drawings\pSG-P004_MD124.dgn