PROPOSED SIGNS

28 NORTH MARYLAND 124 (48"X75")
32 NORTH MARYLAND 124 (30"X51")
27 SOUTH MARYLAND 124 (30"X51")
33 SOUTH MARYLAND 124 (48"X75")
(ASSOCIATED SHIELD ASSEMBLY)

25,29,34,21 ONLY R3-5(L) (30"x36")

22,23
Fieldcrest → RD XXXX>
← Fieldcrest RD <XXXX
D3-1(1) (VAR.x16") (DUAL FACED)

20,24
← Hadley Farms DR <XXXX
Hadley Farms → DR XXXX>
D3-1(1) (VAR.x16") (DUAL FACED)

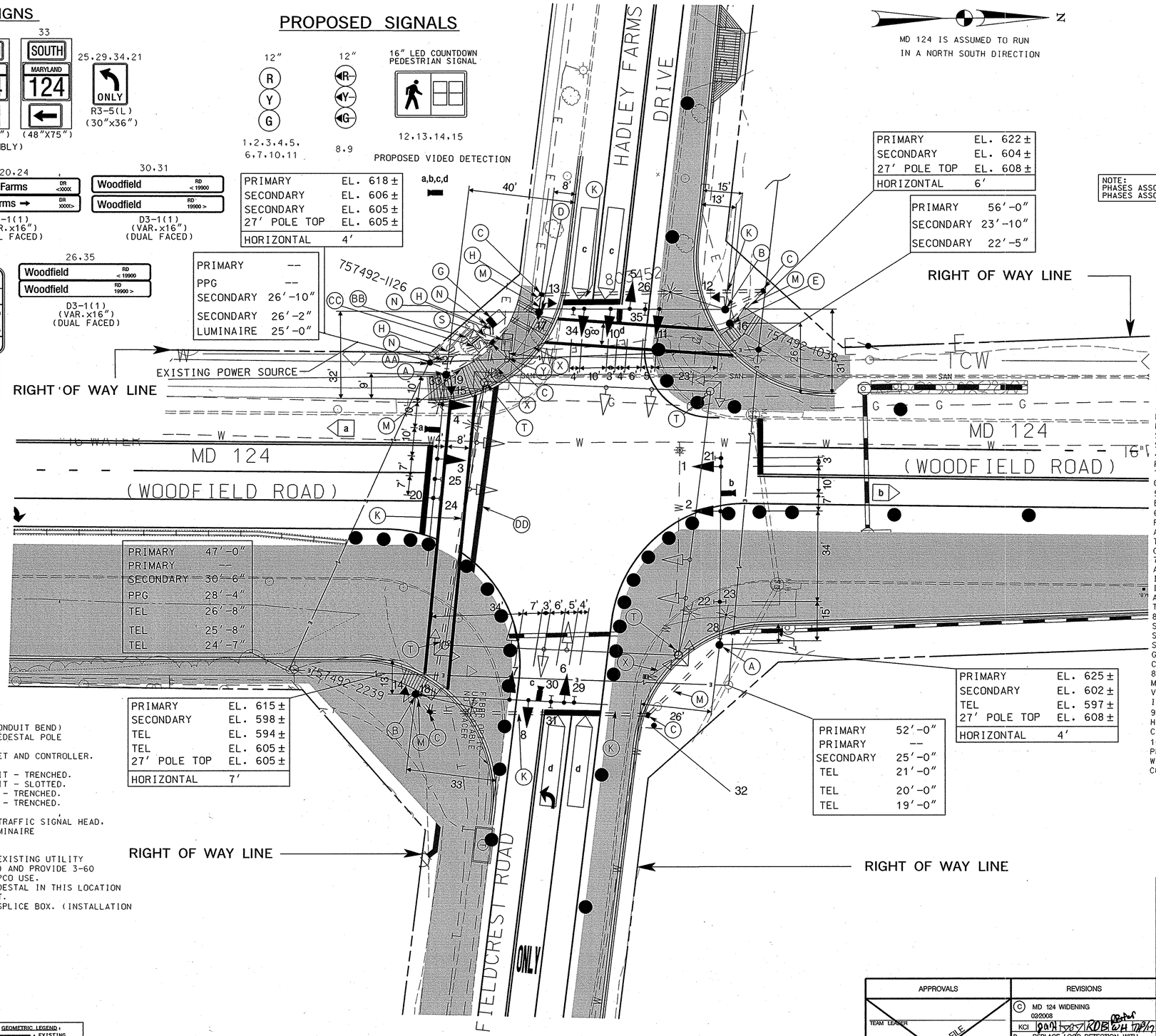
30,31
Woodfield RD < 19900
Woodfield RD 19900 >
D3-1(1) (VAR.x16") (DUAL FACED)

16, 17, 19, 18
PUSH BUTTON TO CROSS HADLEY FARMS DRIVE / PUSH BUTTON TO CROSS WOODFIELD ROAD
START CROSSING WATCH FOR TURNING CARS
DON'T START FINISH CROSSING IF STARTED
TIME REMAINING TO FINISH CROSSING
PEDESTRIANS SHOULD NOT BE IN CROSSWALK
HADLEY FARMS DRIVE / WOODFIELD ROAD
R10-3(1) (9" X15")
(TO BE INSTALLED WITH APS PUSH BUTTON)

26,35
Woodfield RD < 19900
Woodfield RD 19900 >
D3-1(1) (VAR.x16") (DUAL FACED)

PROPOSED SIGNALS

12" R Y G — 1,2,3,4,5, 6,7,10,11
12" R Y G — 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'

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"

RIGHT OF WAY LINE

NEMA PHASING

Ø2 Ø3 Ø4 Ø6 Ø8
FLASHING OPERATION
ALT Ø4

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

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.

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 CLEARENCES 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.

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GEOMETRIC LEGEND: EXISTING / PROPOSED

UTILITY LEGEND: STORM DRAIN, GAS MAIN, WATER MAIN, SEWER MAIN, ELECTRIC CABLES, AERIAL CABLES, TELEPHONE CABLES, FIBER-OPTIC

SHA
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

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

REVISIONS
C MD 124 WIDENING 02/2008 KCI
B REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA M07175185 JA
A INSTALL E/P PHASE FOR WESTBOUND FIELDCREST TIMS #D-474 12199

DESIGNED BY		COUNTY	MONTGOMERY
DRAWN BY	J. HENKEL	LOGMILE	15012408.87
CHECKED BY		TIMS NO.	H079
FAP NO.	AC-STP-1103(8)E	TOD NO.	

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

PLOTTED: "02:59 PM on Tuesday, March 04, 2008"
FILE: M:\2007\01070459.cb\drawings\pSG-P004A_MD124.dgn

BY: Aaron Hottenstein Division: 0101 Transportation