## EXISTING SIGNS TO REMAIN

32 NORTH MARYLAND 124 (48"X75")
31 SOUTH MARYLAND 124 (30"X51")
38 SOUTH MARYLAND 124 (48"X75")
37 NORTH MARYLAND 124 (30"X51")
(ASSOCIATED SHEILD ASSEMBLY)

23 PUSH BUTTON TO CROSS WOODFIELD ROAD
20 PUSH BUTTON TO CROSS RICKENBACKER DRIVE
21 PUSH BUTTON TO CROSS RICKENBACKER DRIVE
22 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

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

## EXISTING SIGNS TO BE RELOCATED

35.36 Woodfield RD <XXXXX / Woodfield RD XXXXX> — D3-1(1) (VAR.X16") (DUAL FACED)

27.28 ← Cypress Hill DR <7300 / Cypress Hill → DR 7300> — D3-1(1) (VAR.X16") (DUAL FACED)

30.39 Woodfield RD <XXXXX / Woodfield RD XXXXX> — D3-1(1) (VAR.X16") (DUAL FACED)

24.29 ← Rickenbacker DR <7500 / Rickenbacker → DR 7500> — D3-1(1) (VAR.X16") (DUAL FACED)

## PROPOSED SIGNS

25.26.33.34 ONLY — R3-5(L) (30"x36")

## EXISTING SIGNALS TO REMAIN

16" PEDESTRIAN COUNTDOWN SIGNAL HEAD"LED" TYPE
16.17.18.19

## PROPOSED SIGNALS

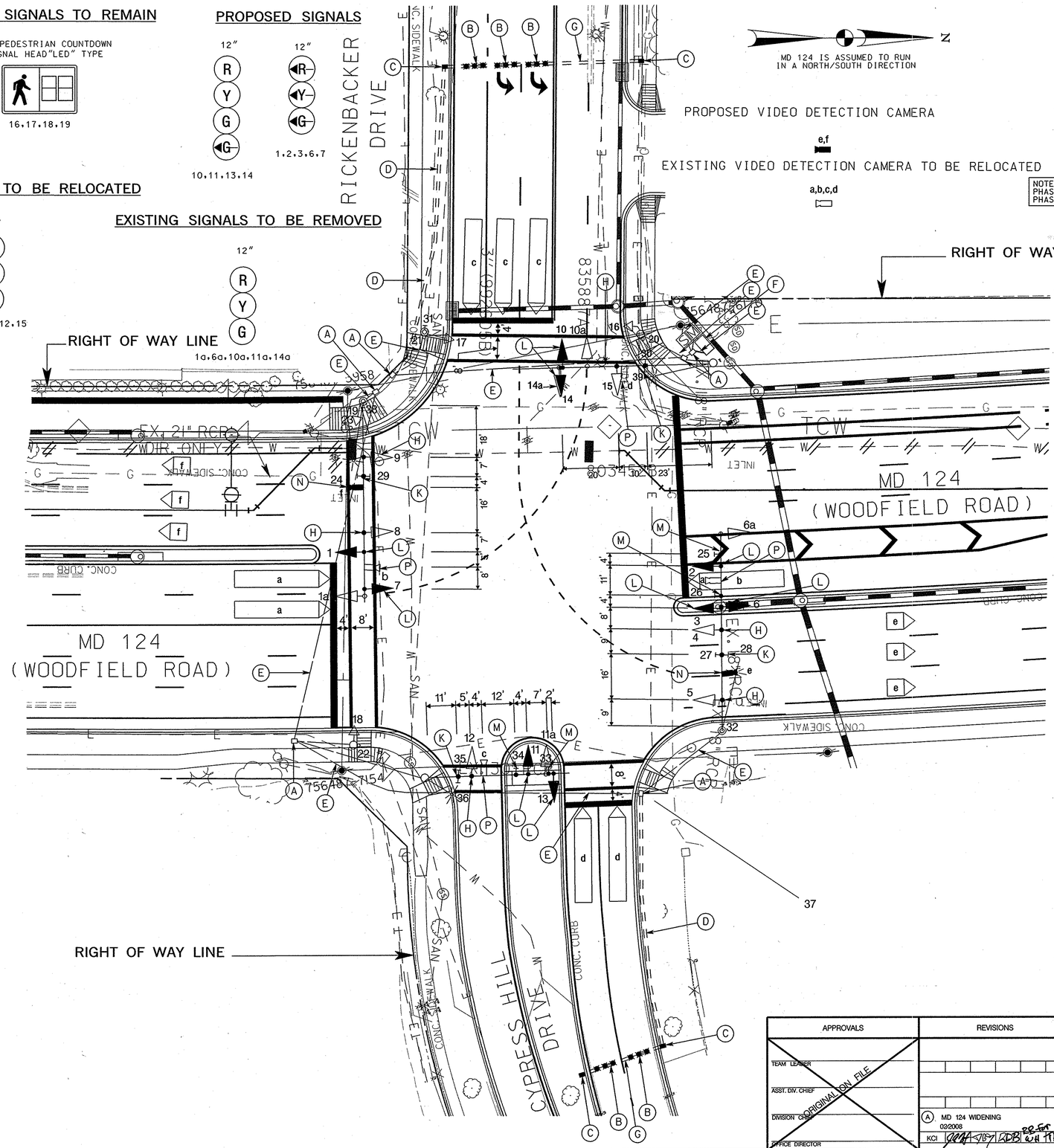
12" R Y G G — 10.11.13.14
12" R Y G G — 1.2.3.6.7

## EXISTING SIGNALS TO BE RELOCATED

12" R Y G — 4.5.8.9.12.15

## EXISTING SIGNALS TO BE REMOVED

12" R Y G — 1a.6a.10a.11a.14a




NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION — Ø4 ALT.

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

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.

CONSTRUCTION DETAILS

A. USE EXISTING HANDHOLE.
B. INSTALL NON-INVASIVE DETECTORS WITH 1000 FT. LEAD -IN CABLE (TO BE PLACED IN THRU LANE ONLY PER SHA STANDARD MD 815.03).
C. INSTALL ELECTRICAL HANDHOLE.
D. INSTALL 3" SCHEDULE 80 RIGID PVC-CONDUIT - TRENCHED.
E. USE EXISTING CONDUIT.
F. USE EXISTING CABINET.
G. INSTALL 3" SCHEDULE 80 RIGID PVC-CONDUIT-TRENCHED.
H. RELOCATE EXISTING TRAFFIC SIGNAL HEADS AS SHOWN.
K. RELOCATE EXISTING OVERHEAD SIGNS ON THE MAST ARM AS SHOWN.
L. INSTALL NEW TRAFFIC SIGNAL HEAD.
M. INSTALL NEW SIGN.
N. INSTALL NEW VIDEO DETECTION CAMERA.
P. ADJUST EXISTING VIDEO DETECTION CAMERA ON THE MAST ARM.


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


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

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

REVISIONS: (A) MD 124 WIDENING 02/2008 — KCI

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

MD 124 (WOODFIELD RD) AND CYPRESS HILL DRIVE /RICKENBACKER DRIVE
FINAL PLAN

# TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE N/A CONTRACT NO. M06325171
DESIGNED BY
DRAWN BY J. ALLEN JR.
CHECKED BY S. RENZI
FAP NO.
COUNTY MONTGOMERY
LOGMILE 15012407.96
TIMS NO. H079
TOD NO.

TS NO. 4104-A | DRAWING SP-23 OF 39 | SHEET NO. 281 OF 377

PLOTTED: 02:59 PM on Tuesday, March 04, 2008
FILE: M:\2007\01070459.db\drawings\pSG-P002_MD124.dgn

BY: Aaron Hottenstein Division: 0101 Transportation