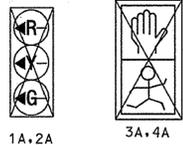
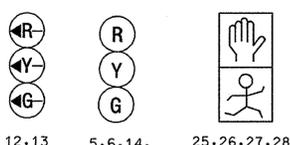


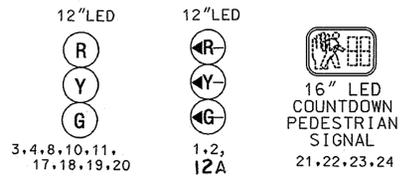
EXISTING SIGNALS TO BE REMOVED



EXISTING SIGNALS TO REMAIN



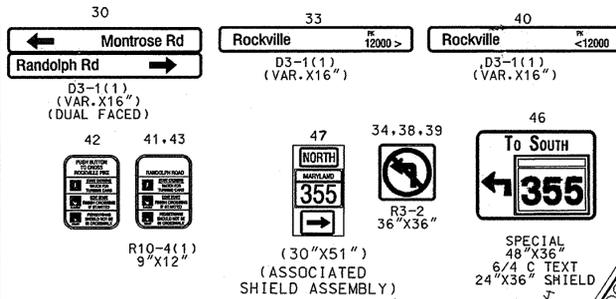
PROPOSED SIGNALS



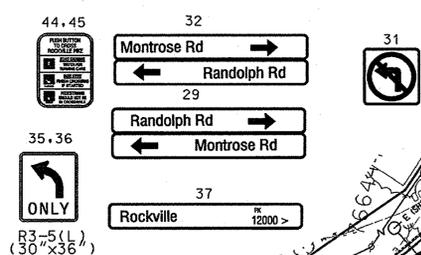
PROPOSED SIGNALS TO BE BAGGED



PROPOSED SIGNS

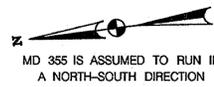


EXISTING SIGNS TO REMAIN

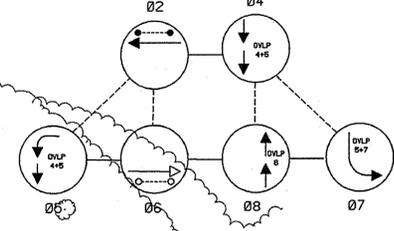


PROPOSED VIDEO DETECTION CAMERAS

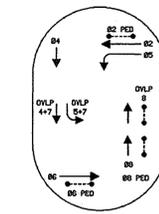
a,b,c,d,e



NEMA PHASING

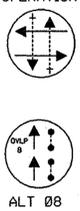


NOTE: PHASE 7 OPERATES AS A LAG LEFT TURN
NOTE: OVERLAP CLEARANCE USED TO CLEAR CENTER OF INTERSECTION

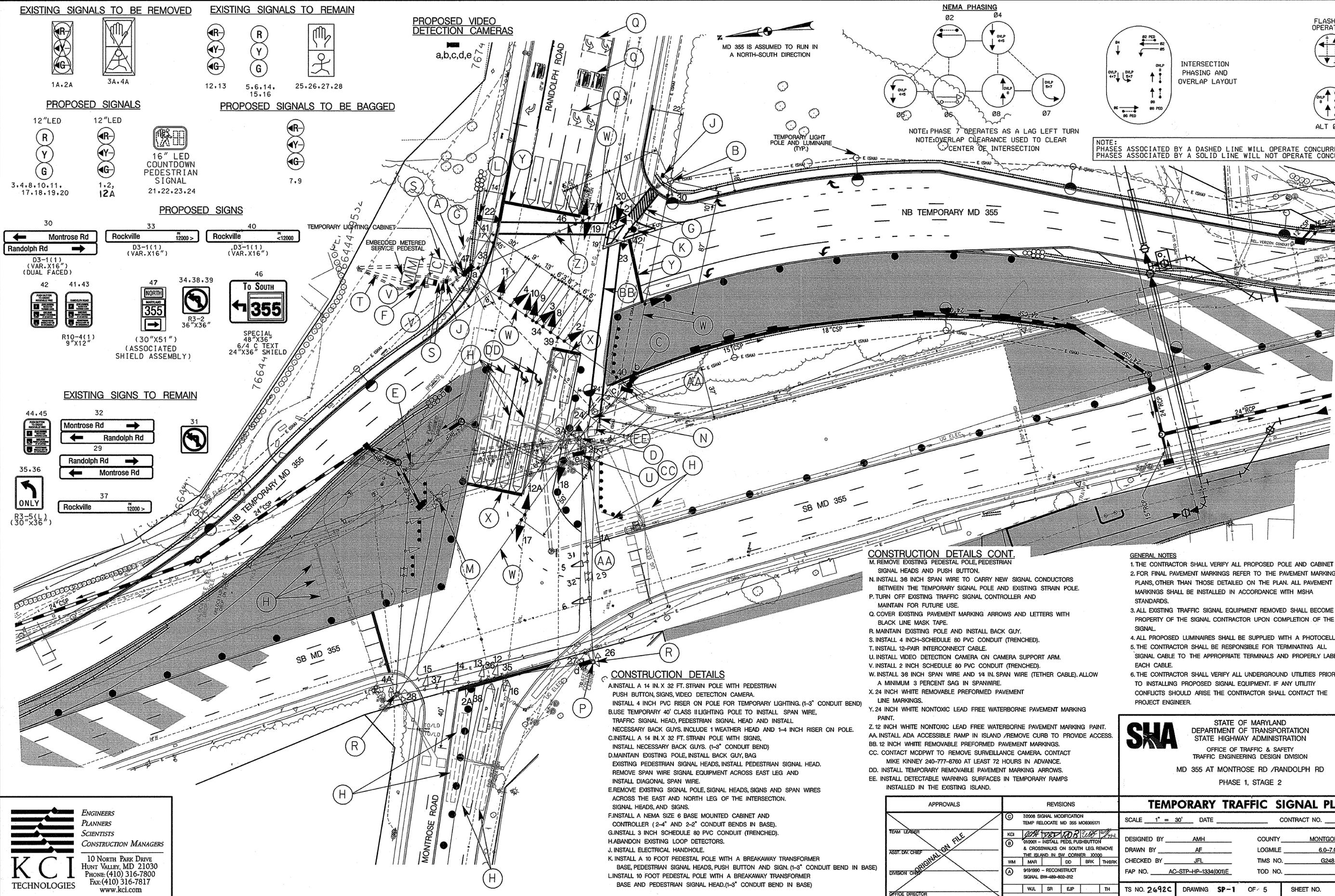


INTERSECTION PHASING AND OVERLAP LAYOUT

FLASHING OPERATION



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



CONSTRUCTION DETAILS CONT.

- M. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON.
- N. INSTALL 3/8 INCH SPAN WIRE TO CARRY NEW SIGNAL CONDUCTORS BETWEEN THE TEMPORARY SIGNAL POLE AND EXISTING STRAIN POLE.
- P. TURN OFF EXISTING TRAFFIC SIGNAL CONTROLLER AND MAINTAIN FOR FUTURE USE.
- Q. COVER EXISTING PAVEMENT MARKING ARROWS AND LETTERS WITH BLACK LINE MASK TAPE.
- R. MAINTAIN EXISTING POLE AND INSTALL BACK GUY.
- S. INSTALL 4 INCH SCHEDULE 80 PVC CONDUIT (TRENCHED).
- T. INSTALL 12-PAIR INTERCONNECT CABLE.
- U. INSTALL VIDEO DETECTION CAMERA ON CAMERA SUPPORT ARM.
- V. INSTALL 2 INCH SCHEDULE 80 PVC CONDUIT (TRENCHED).
- W. INSTALL 3/8 INCH SPAN WIRE AND 1/4 IN. SPAN WIRE (TETHER CABLE), ALLOW A MINIMUM 3 PERCENT SAG IN SPANWIRE.
- X. 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS.
- Y. 24 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT.
- Z. 12 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT.

CONSTRUCTION DETAILS

- A. INSTALL A 14 IN. X 32 FT. STRAIN POLE WITH PEDESTRIAN PUSH BUTTON, SIGNS, VIDEO DETECTION CAMERA.
- B. USE TEMPORARY 40' CLASS II LIGHTING POLE TO INSTALL SPAN WIRE, TRAFFIC SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD AND INSTALL NECESSARY BACK GUYS. INCLUDE 1 WEATHER HEAD AND 1-4 INCH RISER ON POLE.
- C. INSTALL A 14 IN. X 32 FT. STRAIN POLE WITH SIGNS, INSTALL NECESSARY BACK GUYS. (1-3" CONDUIT BEND)
- D. MAINTAIN EXISTING POLE, INSTALL BACK GUY, BAG EXISTING PEDESTRIAN SIGNAL HEADS, INSTALL PEDESTRIAN SIGNAL HEAD.
- E. REMOVE EXISTING SIGNAL POLE, SIGNAL HEADS, SIGNS AND SPAN WIRES ACROSS THE EAST AND NORTH LEG OF THE INTERSECTION. SIGNAL HEADS, AND SIGNS.
- F. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER (2-4" AND 2-2" CONDUIT BENDS IN BASE).
- G. INSTALL 3 INCH SCHEDULE 80 PVC CONDUIT (TRENCHED).
- H. ABANDON EXISTING LOOP DETECTORS.
- J. INSTALL ELECTRICAL HANDLE.
- K. INSTALL A 10 FOOT PEDESTAL POLE WITH A BREAKAWAY TRANSFORMER BASE, PEDESTRIAN SIGNAL HEADS, PUSH BUTTON AND SIGN. (1-3" CONDUIT BEND IN BASE)
- L. INSTALL 10 FOOT PEDESTAL POLE WITH A BREAKAWAY TRANSFORMER BASE AND PEDESTRIAN SIGNAL HEAD. (1-3" CONDUIT BEND IN BASE)

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS.
2. 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.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. 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.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 355 AT MONTROSE RD / RANDOLPH RD
PHASE 1, STAGE 2

APPROVALS	REVISIONS
TEAM LEADER	22008 SIGNAL MODIFICATION TEMP RELOCATE MD 355 M08305171
ASST. DIR. CHIEF	01/2007 - INSTALL PEDESTAL PUSH BUTTON & CROSSWALKS ON SOUTH LEG, REMOVE THE ISLAND IN SW CORNER X1010
DIVISION CHIEF	9/19/990 - RECONSTRUCT SIGNAL BW-489-802-312
OFFICE DIRECTOR	

DESIGNED BY	COUNTY
AMH	MONTGOMERY
DRAWN BY	LOGMILE
AF	6.0-7.0
CHECKED BY	TIMS NO.
JFL	G248
FAP NO.	TOD NO.
AC-STP-HP-1334(001)E	

TEMPORARY TRAFFIC SIGNAL PLAN			
SCALE 1" = 30'	DATE	CONTRACT NO. M08305171	
DESIGNED BY	COUNTY	MONTGOMERY	
DRAWN BY	LOGMILE	6.0-7.0	
CHECKED BY	TIMS NO.	G248	
FAP NO.	TOD NO.		
TS NO. 2692C	DRAWING SP-1	OF 5	SHEET NO. 1 OF 5

PLOTTED: 10:05 AM on Tuesday, July 22, 2008
FILE: M:\2007\070723-03\Drawings\SP-1\MD355.dgn

BY: Aaron Hottenstein Division: 0101 Transportation

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