

BORDER REV. DATE: March 12, 2009

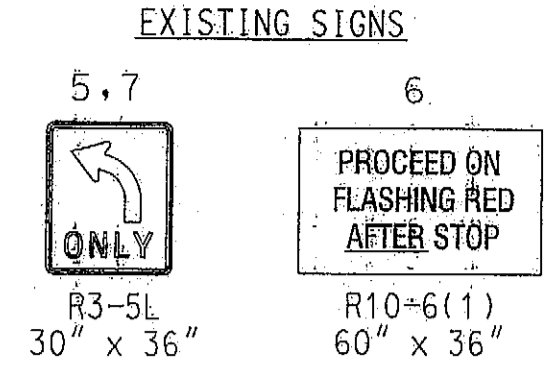
DRILL HOLES

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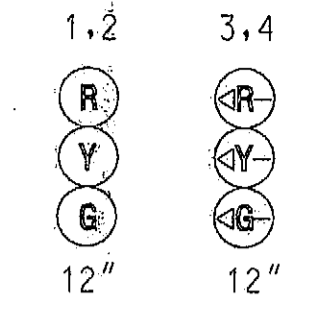
DRILL HOLES

BY: John Borkowski Division: P068 Highway Traff GMA Emp

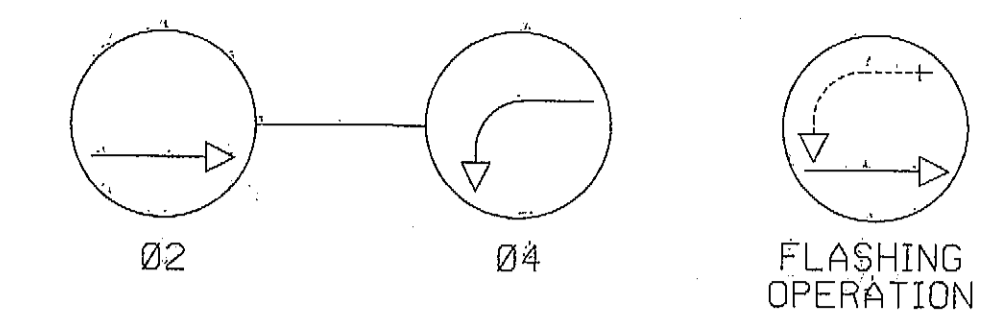
MD 146 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION



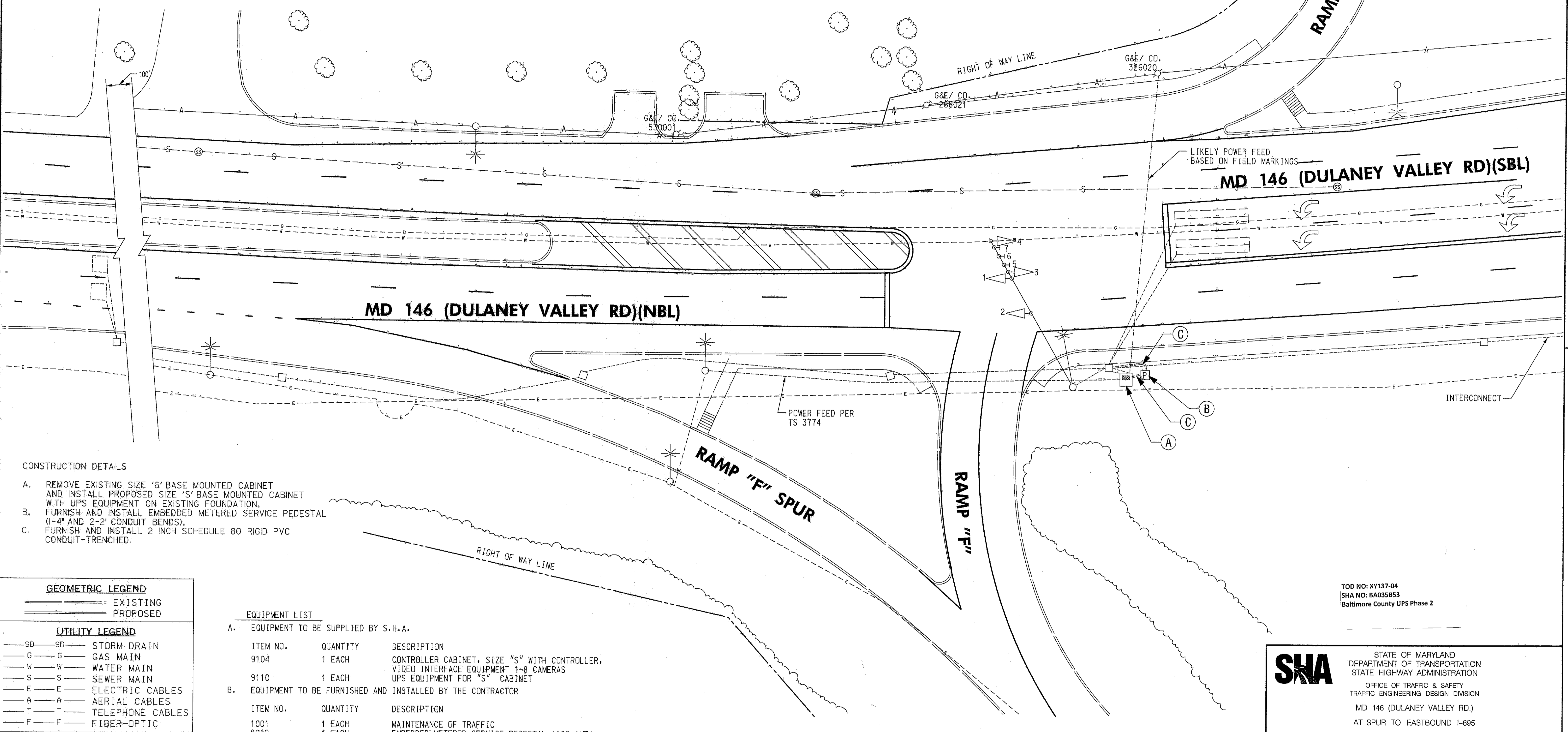
EXISTING SIGNALS



NEMA PHASING



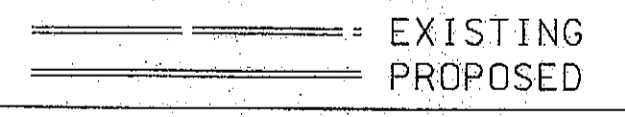
PHASING NOTES:
 1) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
 2) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



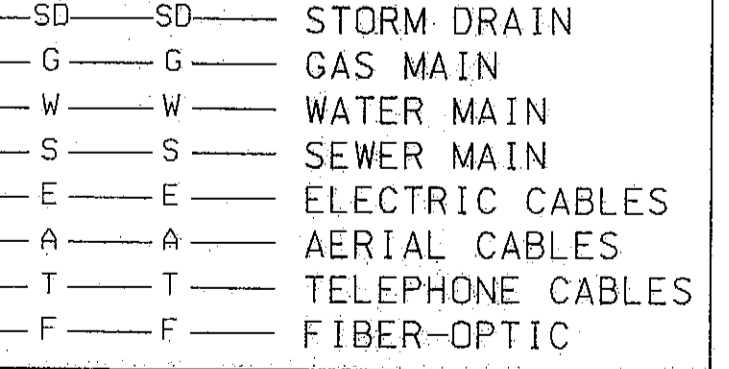
CONSTRUCTION DETAILS

- A. REMOVE EXISTING SIZE '6' BASE MOUNTED CABINET AND INSTALL PROPOSED SIZE 'S' BASE MOUNTED CABINET WITH UPS EQUIPMENT ON EXISTING FOUNDATION.
- B. FURNISH AND INSTALL EMBEDDED METERED SERVICE PEDESTAL (1-4" AND 2-2" CONDUIT BENDS).
- C. FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED.

GEOMETRIC LEGEND



UTILITY LEGEND



EQUIPMENT LIST

ITEM NO.	QUANTITY	DESCRIPTION
A. EQUIPMENT TO BE SUPPLIED BY S.H.A.		
9104	1 EACH	CONTROLLER CABINET, SIZE "S" WITH CONTROLLER, VIDEO INTERFACE EQUIPMENT 1-8 CAMERAS
9110	1 EACH	UPS EQUIPMENT FOR "S" CABINET
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR		
1001	1 EACH	MAINTENANCE OF TRAFFIC
8012	1 EACH	EMBEDDED METERED SERVICE PEDESTAL (100 AMP)
8014	1 EACH	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8024	1 EACH	REMOVE & DISPOSE OF MATERIAL AND EQUIPMENT (PER ASSIGNMENT)
8040	30 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8047	40 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG - THHN/THWN
8065	1 EACH	INTERSECTION POLICE CONTROL

TOD NO: XY137-04
 SHA NO: BA035B53
 Baltimore County UPS Phase 2

KCI TECHNOLOGIES
 936 RIDGEBROOK ROAD
 SHARPS, MARYLAND 21152
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SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 146 (DULANEY VALLEY RD.)
 AT SPUR TO EASTBOUND I-695

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS
A. INSTALL VIDEO DETECTION SHA NO BA9825177 TIMS L171 5/29/12
B. INSTALL UPS SHA NO XY1375185 TIMS M009 04/2013

TRAFFIC SIGNAL PLAN

SCALE: 1" = 20' ADVERTISED DATE: 09/29/1998 CONTRACT NO.: BA9775372

DESIGNED BY: A.T.H. COUNTY: BALTIMORE
 DRAWN BY: M.J.G. LOGMILE:
 CHECKED BY: C.S.C./M.A.R. TIMS NO.: N/A
 F.A.P. NO.: TOD NO.:

TS NO. 37746 DRAWING SG-1 OF 1 SHEET NO. 1 OF 1