

MD 175 IS CONSIDERED TO RUN IN AN EAST WEST DIRECTION.

PROJECT DESCRIPTION

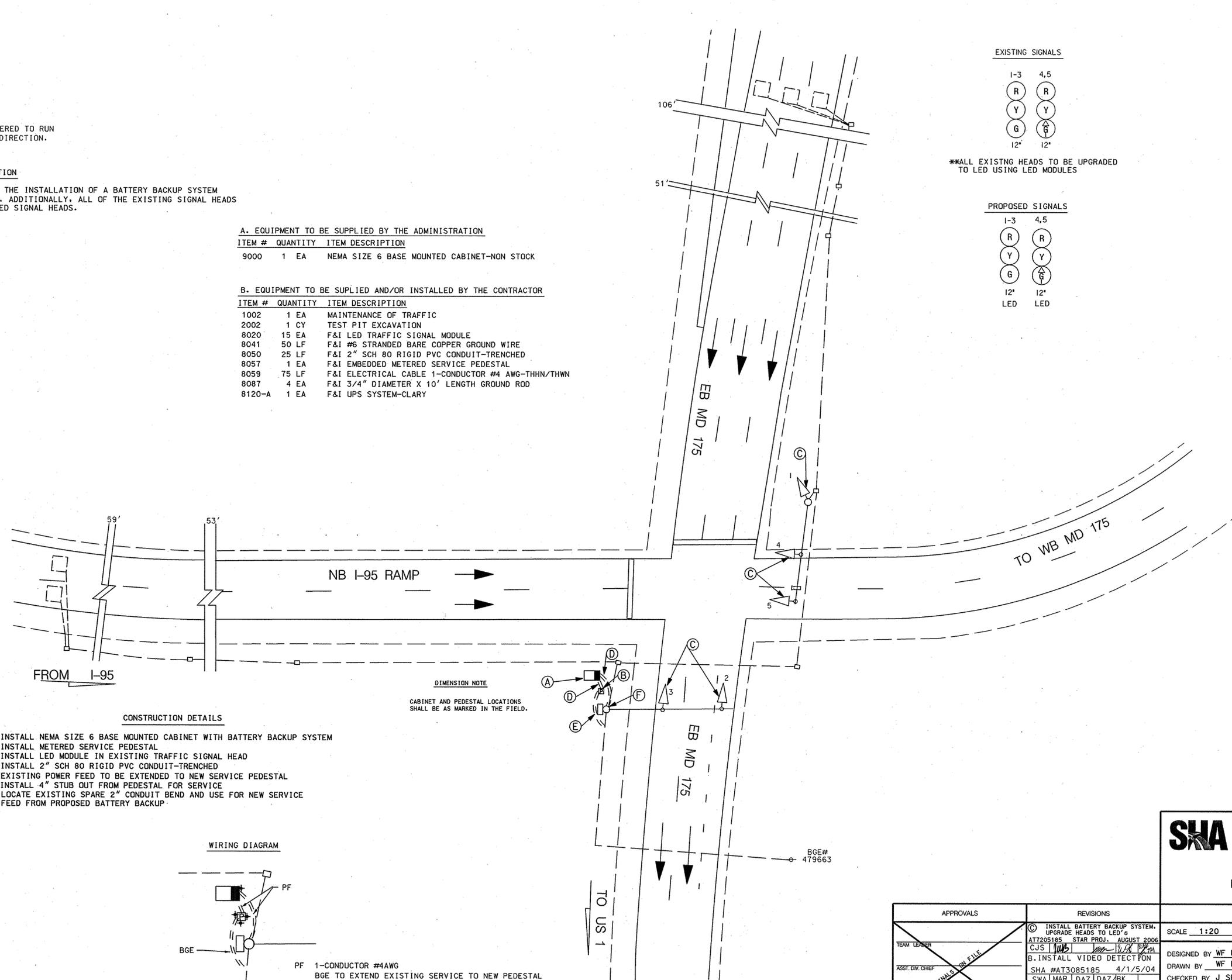
THIS PROJECT INVOLVES THE INSTALLATION OF A BATTERY BACKUP SYSTEM FOR THIS INTERSECTION. ADDITIONALLY, ALL OF THE EXISTING SIGNAL HEADS WILL BE UPGRADED TO LED SIGNAL HEADS.

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9000	1 EA	NEMA SIZE 6 BASE MOUNTED CABINET-NON STOCK

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1002	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
8020	15 EA	F&I LED TRAFFIC SIGNAL MODULE
8041	50 LF	F&I #6 STRANDED BARE COPPER GROUND WIRE
8050	25 LF	F&I 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
8057	1 EA	F&I EMBEDDED METERED SERVICE PEDESTAL
8059	75 LF	F&I ELECTRICAL CABLE 1-CONDUCTOR #4 AWG-THHN/THWN
8087	4 EA	F&I 3/4" DIAMETER X 10' LENGTH GROUND ROD
8120-A	1 EA	F&I UPS SYSTEM-CLARY

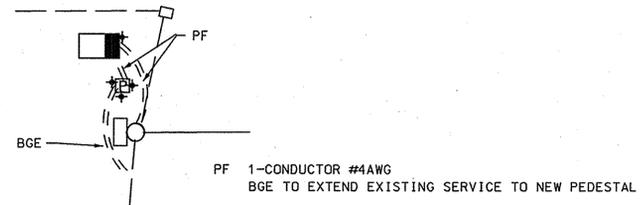


DIMENSION NOTE
CABINET AND PEDESTAL LOCATIONS SHALL BE AS MARKED IN THE FIELD.

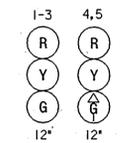
CONSTRUCTION DETAILS

- A. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET WITH BATTERY BACKUP SYSTEM
- B. INSTALL METERED SERVICE PEDESTAL
- C. INSTALL LED MODULE IN EXISTING TRAFFIC SIGNAL HEAD
- D. INSTALL 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
- E. EXISTING POWER FEED TO BE EXTENDED TO NEW SERVICE PEDESTAL. INSTALL 4" STUB OUT FROM PEDESTAL FOR SERVICE
- F. LOCATE EXISTING SPARE 2" CONDUIT BEND AND USE FOR NEW SERVICE FEED FROM PROPOSED BATTERY BACKUP.

WIRING DIAGRAM

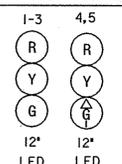


EXISTING SIGNALS

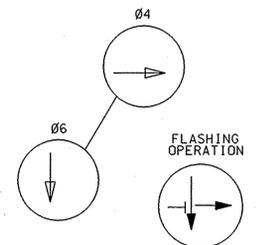


**ALL EXISTING HEADS TO BE UPGRADED TO LED USING LED MODULES

PROPOSED SIGNALS



PHASING DIAGRAM



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

EB MD 175 @ I-95 RAMPS

APPROVALS	REVISIONS	SCALE	DATE	CONTRACT NO.	
<p>TEAM LEADER</p> <p>ASST. DIR. CHIEF</p> <p>DIVISION CHIEF</p> <p>DIRECTOR</p>	<p>© INSTALL BATTERY BACKUP SYSTEM, UPGRADE HEADS TO LED'S. STAR PROJ. AUGUST 2006</p> <p>B. INSTALL VIDEO DETECTION</p> <p>SHA #AT3085185 4/11/04</p> <p>SWA MAR DAZ DAZ/BK</p> <p>A. RECONSTRUCT SIGNAL TO UPDATE DESIGN AND ELIMINATE HAZARDS 10/10/89</p> <p>CM/MCE DAZ ETP TH</p>	1:20	9-27-71	HO-421X-775	
		DESIGNED BY	WF FITCH	COUNTY	HOWARD
		DRAWN BY	WF FITCH	LOGMILE	13017502.00
		CHECKED BY	J SPENCE	TMS NO.	
		FAP NO.		TOD NO.	
		TS NO. 193C	DRAWING - OF	SHEET NO. OF	

PLOTTED: Thursday, August 17, 2006 at 2:44:06 PM
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BY: cstrain