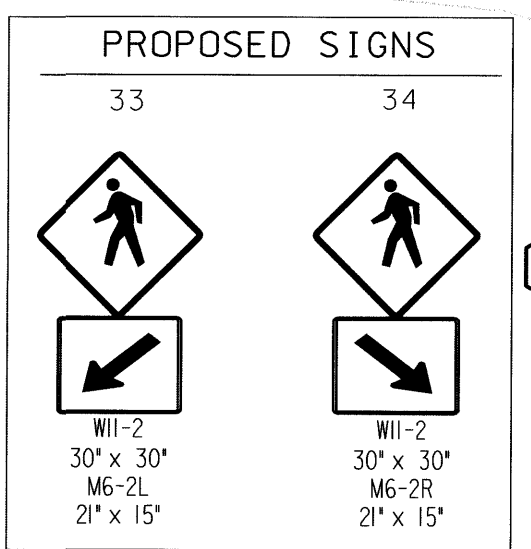
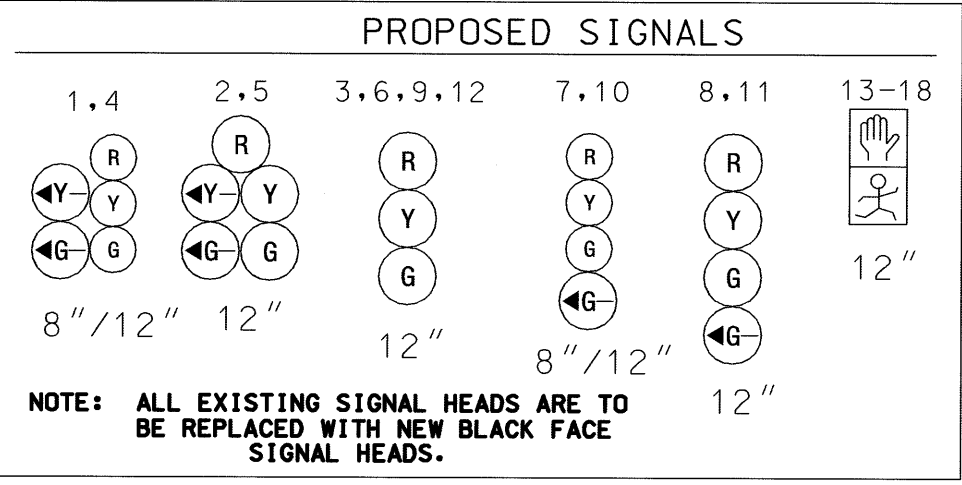
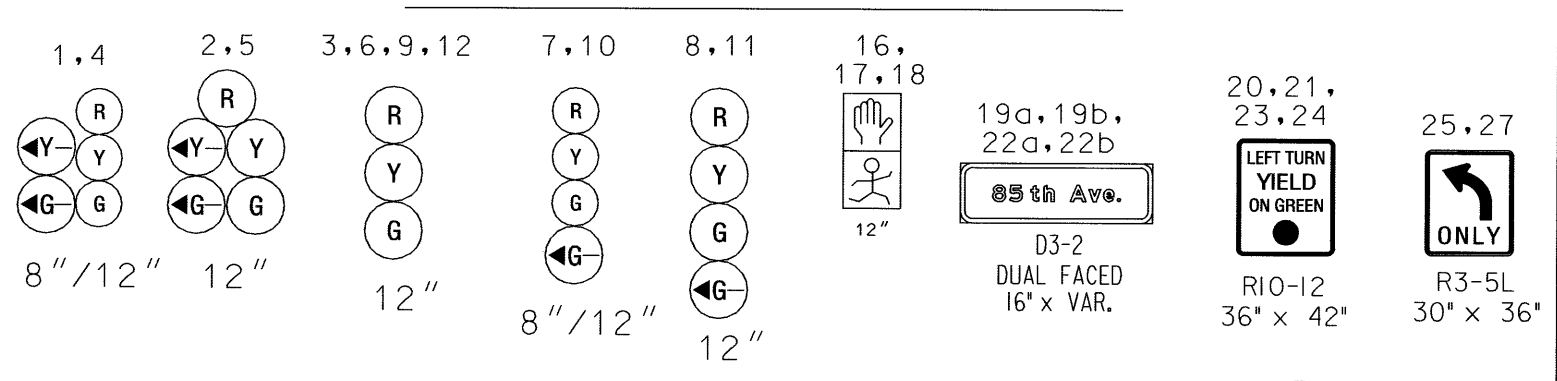


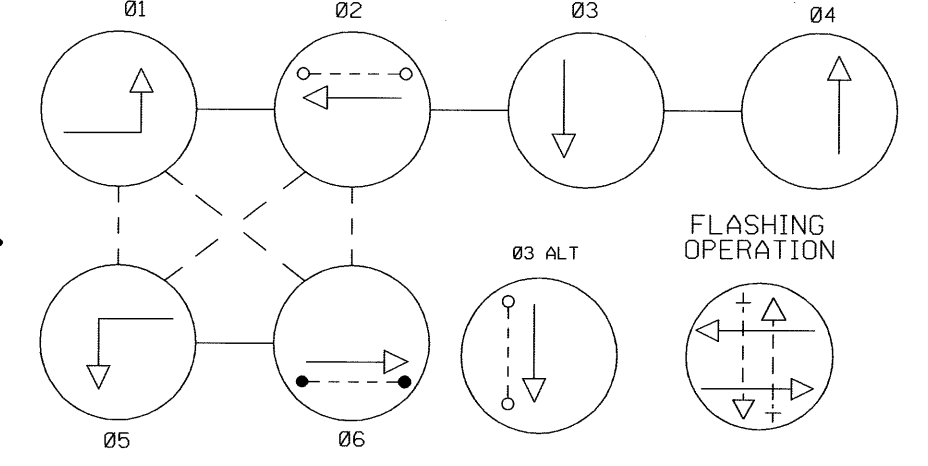
EXISTING SIGNALS & SIGNS



NOTES:

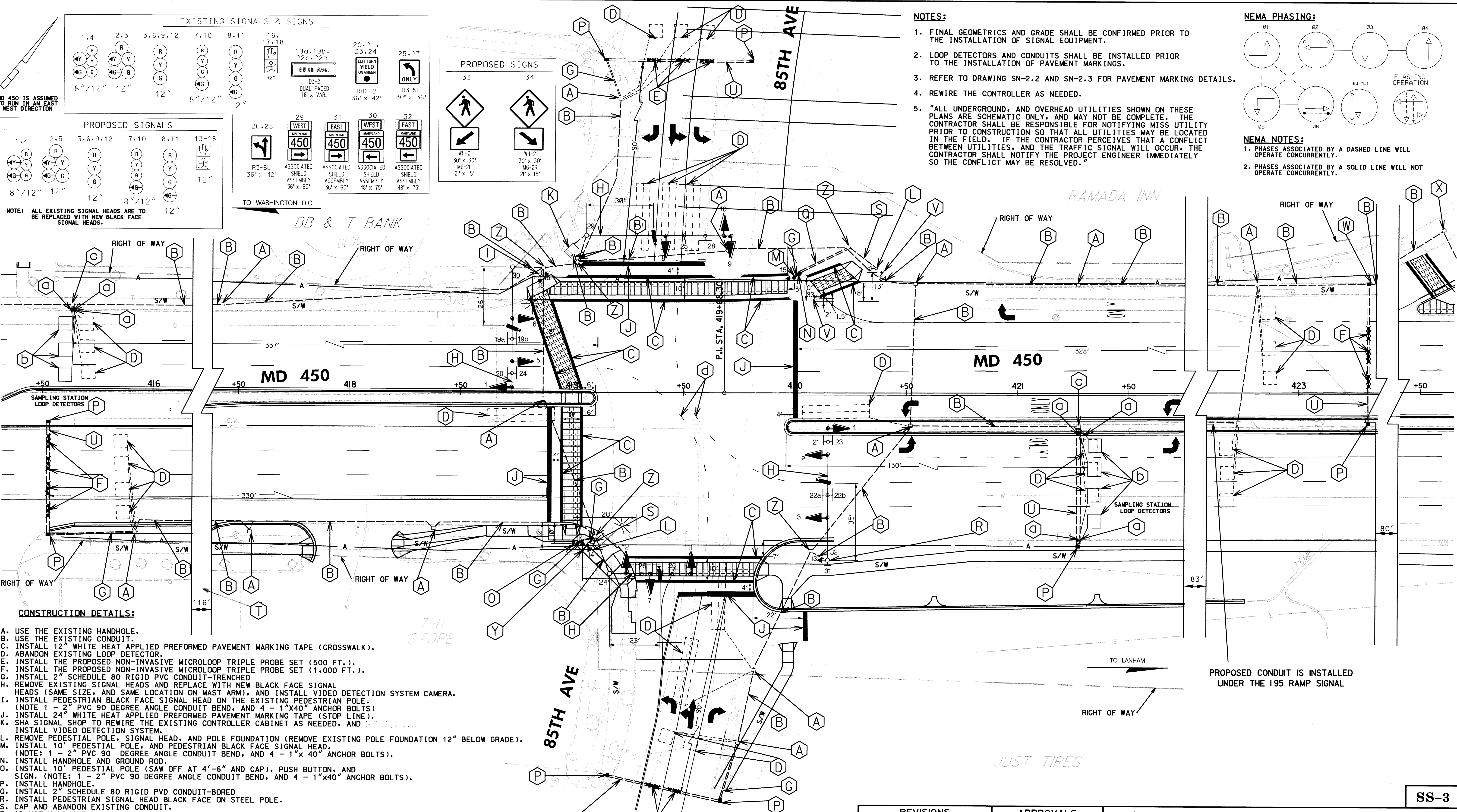
- FINAL GEOMETRICS AND GRADE SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- REFER TO DRAWING SN-2.2 AND SN-2.3 FOR PAVEMENT MARKING DETAILS.
- REWIRE THE CONTROLLER AS NEEDED.
- "ALL UNDERGROUND, AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY, AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES, AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED."

NEMA PHASING:



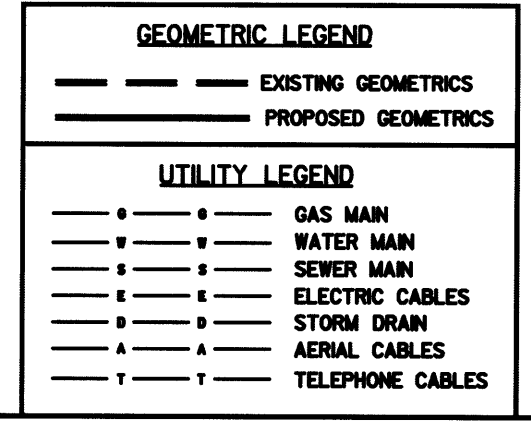
NEMA NOTES:

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



CONSTRUCTION DETAILS:

- USE THE EXISTING HANDHOLE.
- USE THE EXISTING CONDUIT.
- INSTALL 12" WHITE HEAT APPLIED PREFORMED PAVEMENT MARKING TAPE (CROSSWALK).
- ABANDON EXISTING LOOP DETECTOR.
- INSTALL THE PROPOSED NON-INVASIVE MICROLOOP TRIPLE PROBE SET (500 FT.).
- INSTALL THE PROPOSED NON-INVASIVE MICROLOOP TRIPLE PROBE SET (1,000 FT.).
- INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED.
- REMOVE EXISTING SIGNAL HEADS AND REPLACE WITH NEW BLACK FACE SIGNAL HEADS (SAME SIZE, AND SAME LOCATION ON MAST ARM), AND INSTALL VIDEO DETECTION SYSTEM CAMERA.
- INSTALL PEDESTRIAN BLACK FACE SIGNAL HEAD ON THE EXISTING PEDESTRIAN POLE. (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND, AND 4 - 1"x40" ANCHOR BOLTS).
- INSTALL 24" WHITE HEAT APPLIED PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
- SHA SIGNAL SHOP TO REWIRE THE EXISTING CONTROLLER CABINET AS NEEDED, AND INSTALL VIDEO DETECTION SYSTEM.
- REMOVE PEDESTAL POLE, SIGNAL HEAD, AND POLE FOUNDATION (REMOVE EXISTING POLE FOUNDATION 12" BELOW GRADE).
- INSTALL 10' PEDESTAL POLE, AND PEDESTRIAN BLACK FACE SIGNAL HEAD. (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND, AND 4 - 1"x40" ANCHOR BOLTS).
- INSTALL HANDHOLE AND GROUND ROD.
- INSTALL 10' PEDESTAL POLE (SAW OFF AT 4'-6" AND CAP), PUSH BUTTON, AND SIGN. (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND, AND 4 - 1"x40" ANCHOR BOLTS).
- INSTALL HANDHOLE.
- INSTALL 2" SCHEDULE 80 RIGID PVD CONDUIT-BORED.
- INSTALL PEDESTRIAN SIGNAL HEAD BLACK FACE ON STEEL POLE.
- CAP AND ABANDON EXISTING CONDUIT.
- ADJUST HANDHOLE TO GRADE AT STATION 416+70. (HANDHOLE NOT SHOWN ON THE PLANS).
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- INSTALL 4"x6" WOOD POST AND INSTALL GROUND MOUNTED SIGNS.
- INSTALL HANDHOLE OVER EXISTING CONDUIT.
- DISCONNECT EXISTING INTERCONNECT CABLE FROM THE CONTROLLER AT 85TH AVE. AND COIL INTERCONNECT CABLE IN THIS HANDHOLE. AFTER THE NEW HANDHOLE IS INSTALLED AT STA. 423+31 THEN REINSTALL INTERCONNECT BACK TO THE CONTROLLER AT MD 450 AND 85TH AVE.
- INSTALL 10' PEDESTAL POLE, PEDESTRIAN BLACK FACE SIGNAL HEAD, PUSH BUTTON, AND SIGN (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND, AND 4 - 1"x40" ANCHOR BOLTS).
- INSTALL GROUND ROD BACK INTO EXISTING HANDHOLE.
- INSTALL 1" FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL 6' x 6' LOOP DETECTOR, (4 TURNS) ENCASED IN 1/4" FLEXIBLE TUBING.
- DISCONNECT EXISTING LOOP DETECTOR AND SPLICE NEW LOOP DETECTOR TO 2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED).
- INSTALL 5" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (3' LINE WITH 9' GAP).



HR
HURST-ROSCH
ENGINEERS, INC.
A JOINT VENTURE
6602AM+50.06N

REVISIONS	APPROVALS
(1) 10/2001 - ADD PED SIGNALS SOUTH LEG. REPLACE SIGNAL HEADS WITH BLACK FACE RECT LOOPS FOR NEW GEOMETRICS SNA NO. PG 3265184 [Signature]	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
(2) ADD I-495 GUIDE SIGNING ON SB 85th AVE [Signature]	ASST. DISTRICT ENGINEER, TRAFFIC
(3) 06/1998 - REWIRE REVISION AND PAVEMENT MARKING & STOP SIGN TO SIDE STREET OFF N/8 85th ST. (SHT. TO APARTMENTS)	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(4) 06/1998 - INSTALL NEW LOOP DETECTOR. PAVEMENT MARKINGS & ALIGNED SIGNAL & SIGN FOR N/8 85th AVENUE. SNA NO. PG-27788	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 AND 85th AVENUE
NEW CARROLLTON, MARYLAND

DRAWN BY: HR & BT	F.A.P. No.: U-931-K(2)	TS NO. 369H	SHEET NO.
CHECKED BY: RWT	S.H.A. No.: 420-000-385	T.I.M.S. No.	OF
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	EI07	
DATE: 10/2/72	LOG MILE: 16045004.44		

SS-3