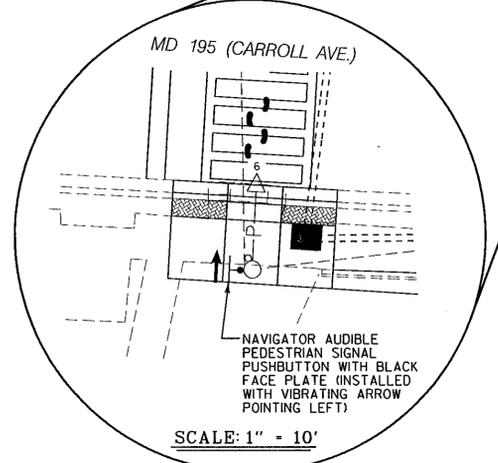
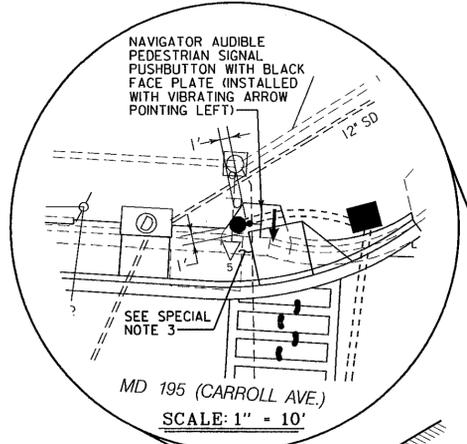




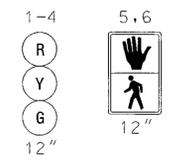
MD 195 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



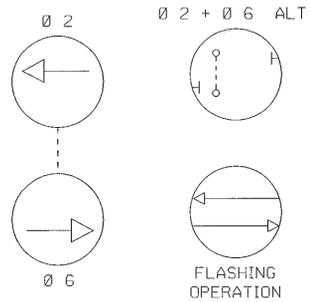
EXISTING SIGNS



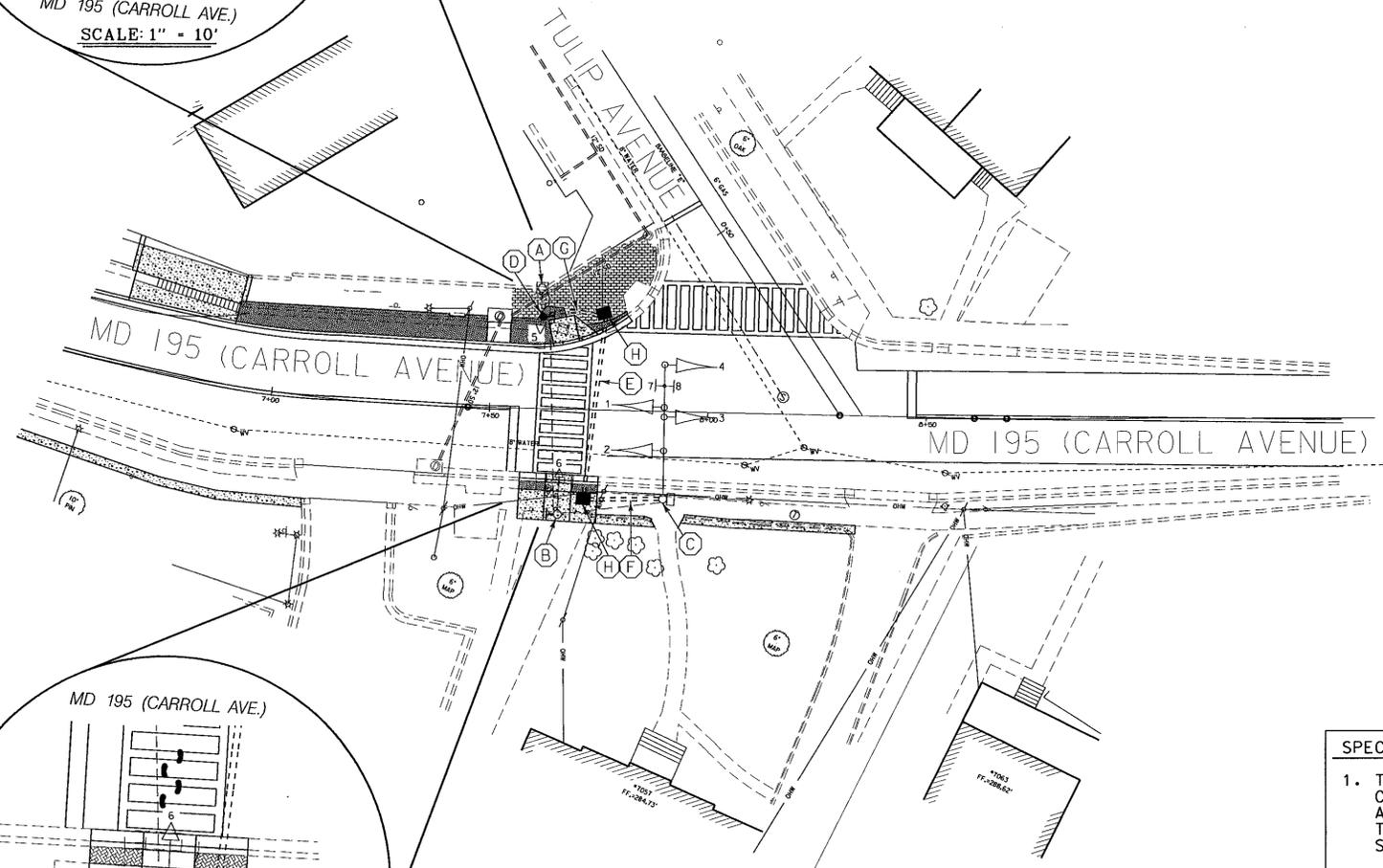
EXISTING SIGNAL HEADS



NEMA PHASING



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



CONSTRUCTION DETAILS

- REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND CLEAN EXISTING DRILLED HOLE WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREA.
- USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND INSTALL 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 5 IN. x 7 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A' INSTALLED WITH VIBRATING ARROW POINTING LEFT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS CARROLL AVE."). A NEW 1/2 INCH HOLE SHALL BE DRILLED INTO THE PEDESTAL POLE FOR THE WIRING. DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLE, REMOVE EXISTING PEDESTRIAN PUSHBUTTON (CLEAN EXISTING DRILLED HOLE FOR WIRING WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREA) AND CONNECT ELECTRICAL CABLE TO NEW AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON.
- USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. INSTALL CENTRAL CONTROL UNIT IN CABINET AND 2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE.
- INSTALL 10 FT. (TO BE CUT JUST ABOVE PUSHBUTTON) BREAKAWAY PEDESTAL POLE WITH 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 5 IN. x 7 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A' INSTALLED WITH VIBRATING ARROW POINTING LEFT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS ETHAN ALLEN AVENUE"). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.)
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
- REMOVE EXISTING SIDEWALK, INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED) AND REPLACE 4 IN. CONCRETE SIDEWALK.
- REMOVE EXISTING BRICK PAVERS, INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND RESET BRICK PAVERS.
- INSTALL HANDHOLE.

SPECIAL NOTES:

- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH CITY OF TAKOMA PARK CONTRACTOR. THE STREETScape CONTRACTOR SHALL CONTACT IIONA BLANCHARD AT (301) 891-7205 TO COORDINATE CONSTRUCTION ACTIVITIES SCHEDULE. THE TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED AT THE SAME TIME AS THE STREETScape IMPROVEMENT.
- THE TACTILE ARROWS FOR THE AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.
- CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND SIGNAL EQUIPMENT. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— SS —
STORM DRAIN	— SD —
WATER	— W —
CABLE TV	— TV —

WR&A
Whitman, Reardon and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS		APPROVALS	
(C) REVISED NO. 1, REVISED AUDIBLE PEDESTRIAN POLE LOCATION CONTRACT NO. AT5825185	6/1/05	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
(B) ADDED AUDIBLE PEDESTRIAN PUSHBUTTONS CONTRACT NO. AT5825185	4/29/05	ASST. TRAFFIC ENGINEERING DESIGN DIVISION	
ASBUILT		CHEF, TRAFFIC ENGINEERING DESIGN DIVISION	
J.G.	J.G.	DIRECTOR, TRAFFIC & SAFETY	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 195 (CARROLL AVE.) AND TULIP AVE.
(TAKOMA PARK, MD)

DRAWN BY: J. GORDON	F.A.P. NO. M997X-000-385	TS NO. 1249B	SHEET NO. 3 OF 4
CHECKED BY: D. BUDNICHUK	S.H.A. NO. MONTGOMERY	T.I.M.S. NO. G796	
SCALE: 1" = 20'	COUNTY: MONTGOMERY		
DATE: 12-23-74	LOG MILE: 3.16/81		

TSP-3