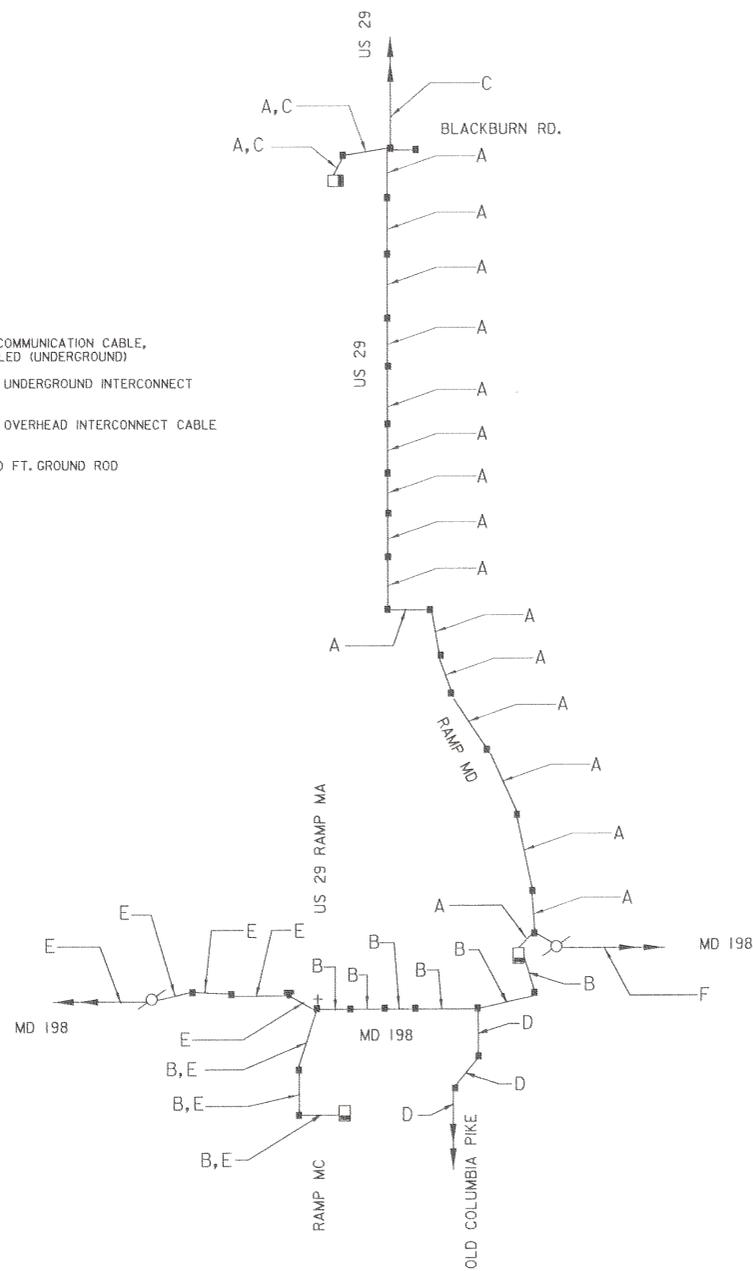


WIRING DIAGRAM



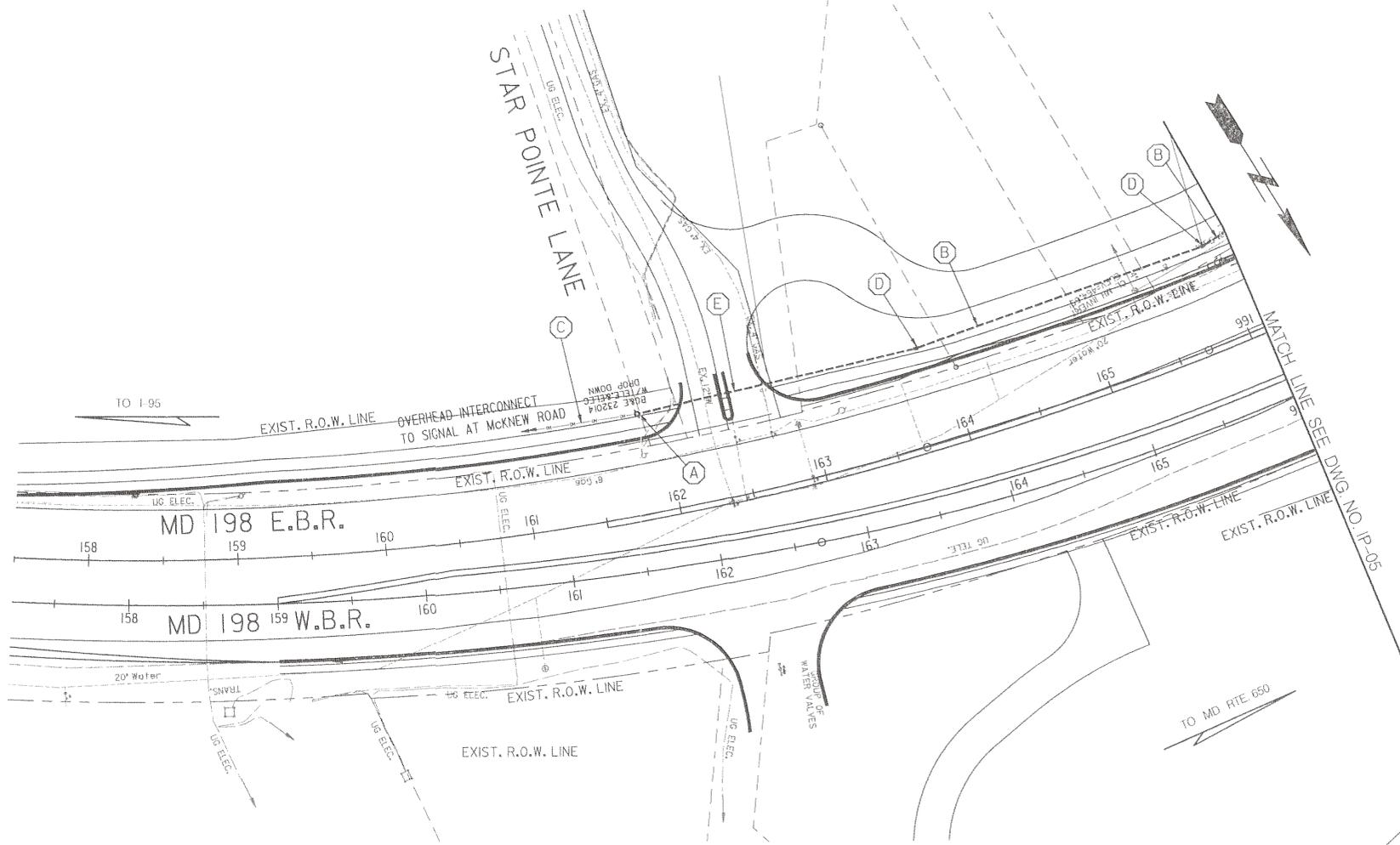
WIRING KEY

- A, B 12-PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)
- C, D EXISTING UNDERGROUND INTERCONNECT CABLE
- E, F EXISTING OVERHEAD INTERCONNECT CABLE
- + 3/4 IN. X 10 FT. GROUND ROD

EQUIPMENT LIST 'B'

B. Equipment to be Furnished and/or Installed by the Contractor

800000	370 LF	4 IN. SDR II HDPE Conduit - Bored
805135	1200 LF	3 IN. Schedule 80 Rigid PVC Conduit - Trenched
805140	150 LF	4 IN. Schedule 80 Rigid PVC Conduit - Trenched
811001	8 EA	Handhole
822002	4100 LF	12-Pair Communication Cable, Jellyfilled (Underground)
837001	1 EA	Ground Rod-3/4 IN. Diameter x 10 FT. Length



GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
2. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. BOB GONZALES AT (240) 777-8761 SEVENTY-TWO HOURS IN ADVANCE OF THE INTENDED WORK.
3. CONTACT MONTGOMERY COUNTY TRANSPORTATION SECTION 48 HOURS PRIOR TO ANY WORK, TO MARK EXISTING UNDERGROUND TRAFFIC SIGNAL EQUIPMENT (240) 777-2100.
4. THE EXISTING OVERHEAD INTERCONNECT RUNNING BETWEEN THE EXISTING US 29/MD 198 INTERSECTION AND THE MD 198/MCKNEW ROAD INTERSECTION SHALL BE DISCONNECTED AT THE US 29/MD 198 CONTROLLER CABINET. THE INTERCONNECT CABLE SHALL BE PULLED EAST TO BG&E POLE #232014 AT THE MD 198/STAR POINT LANE INTERSECTION. THE PULLED INTERCONNECT CABLE SHALL BE INSTALLED IN A NEW CONDUIT SYSTEM TO THE PROPOSED CONTROLLER CABINET AT MD 198/US 29 NORTHBOUND RAMPS.
5. SPLICING IS NOT PERMITTED, EXCEPT WHERE NOTED AT SPLICE CABINET.
6. WHERE APPLICABLE, HANDBOXES MUST BE ADJUSTED TO MATCH GRADE IN AREAS WHERE THERE ARE CHANGES TO THE EXISTING GRADE.

CONSTRUCTION DETAILS

- A. INSTALL 4 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BEND AT BASE OF UTILITY POLE. EXTEND 4 IN. CONDUIT 2 FT. ABOVE GRADE AT BASE OF UTILITY POLE. INSTALL 4 IN. RISER ON BG&E POLE #232014. RE-ROUTE EXISTING 12-PAIR SELF-SUPPORTING OVERHEAD INTERCONNECT CABLE.
- B. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT, TRENCHED. RE-ROUTE EXISTING 12-PAIR SELF-SUPPORTING OVERHEAD INTERCONNECT CABLE.
- C. RELOCATE OVERHEAD INTERCONNECT CABLE TO NEW AND RELOCATED BG&E POLES.
- D. INSTALL HANDHOLE.
- E. INSTALL 4 IN. SDR II HDPE CONDUIT, BORED. RE-ROUTE EXISTING 12-PAIR SELF-SUPPORTING OVERHEAD INTERCONNECT CABLE.

DWG. NO. IP-06

REVISIONS

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 SIGNAL INTERCONNECT PLAN
 US 29 RELOCATION & INTERCHANGE IMPROVEMENTS
 FROM SOUTH OF BLACKBURN RD. TO NORTH OF DUSTIN RD.

WHITNEY BAILEY COX MAGNANI
 CONSULTING ENGINEERS
 849 FAIRMOUNT AVENUE
 SUITE 100
 BALTIMORE, MD 21286
 (410) 512-4500

DRAWN BY: M.E.V./J.E.H.	F.A.P. NO. AC-NH-G-109-11451N	T.S. NO. 175A-1C6	SHEET NO. 20 OF 20
CHECKED BY: M.J.A.	S.H.A. NO. MO8675170	T.I.M.S. NO. E856	
SCALE: 1 IN. = 50 FT.	COUNTY: MONTGOMERY		
DATE: SEPTEMBER 2003	LOG MILE: 15019803.62		