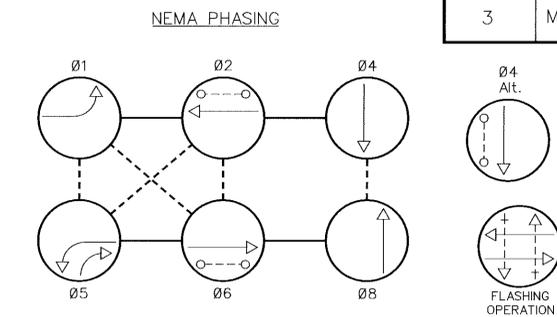
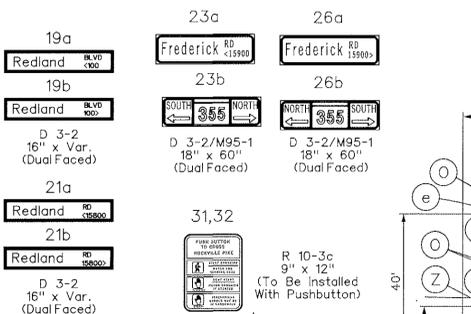
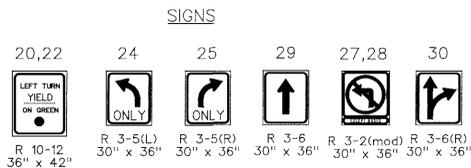
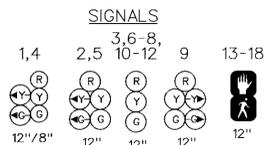


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|-----------------|-------|--------------------|-----------|--------------|
| FHWA REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3 | MD | | | |



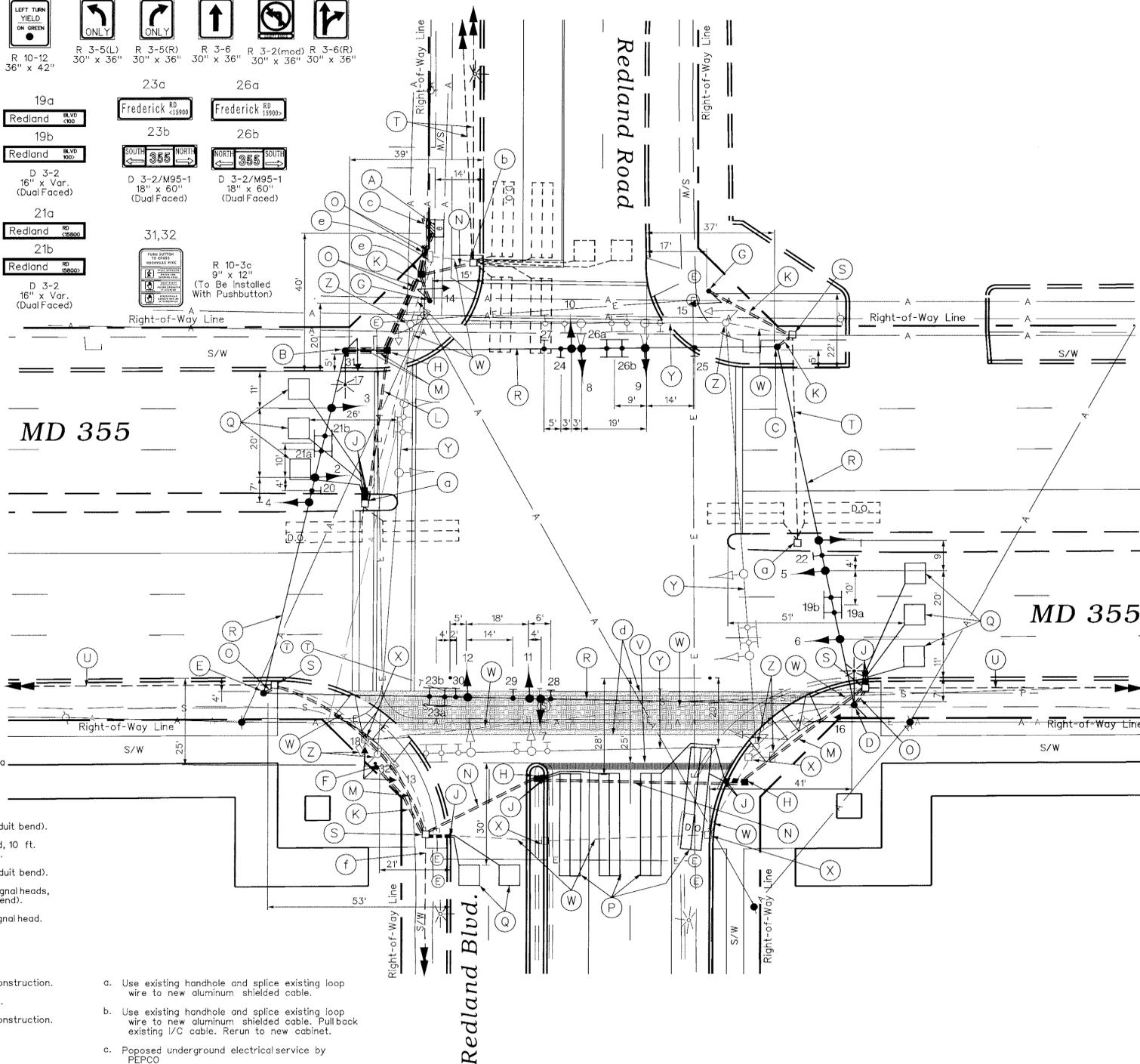
PHASING NOTES:
 1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
 2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

NOTES

- "D.O." indicates delay output loop detector.
- Geometrics shall be confirmed prior to the installation of signal equipment.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
- Revision 'A' is a revision to the original traffic signal.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
- The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
- Disconnecting and splicing of interconnect cable shall be performed by Montgomery County forces. The Contractor shall be responsible for routing or relocating of interconnect cable into the cabinet(s) as shown on the plans and shall properly label each cable.
- Block numbers for overhead signs are to be verified prior to manufacturing.

CONSTRUCTION DETAILS

- Install base mounted NEMA 6 cabinet/controller and all necessary equipment for a type B-16 underground electrical service.
 - Paint and install 12 in. x 32 ft., 2 ply steel strain pole with pedestrian signal head, pedestrian pushbutton, pedestrian pushbutton sign, 10 ft. luminaire arm, and 250 watt HPS luminaire (Note: two 3 in. PVC conduit bends).
 - Paint and install 12 in. x 32 ft., 2 ply steel strain pole (Note: one 2 in. PVC conduit bend).
 - Paint and install 12 in. x 32 ft., 2 ply steel strain pole with pedestrian signal head, 10 ft. luminaire arm and 250 watt HPS luminaire (Note: one 4 in. PVC conduit bend).
 - Paint and install 12 in. x 32 ft., 2 ply steel strain pole (Note: one 4 in. PVC conduit bend).
 - Paint and install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign. (Note: one 2 in. PVC bend).
 - Paint and install 10 ft. steel pedestal pole on break away base with pedestrian signal head. (Note: one 2 in. PVC bend).
 - Install handhole.
 - Install 1 in. liquid tight flexible conduit for loop detector lead-in.
 - Install 2 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched during construction.
 - Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
 - Install 3 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched during construction.
 - Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - pushed.
 - Install 4 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.
 - Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
 - Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
 - Install 3/4 in. steel span wire, vehicle signal heads, and signs as shown (Note: Tether signal heads and signs with 1/4 in. tether wire).
 - Use existing handhole.
 - Use existing conduit.
 - Use existing conduit. Install new I/C cable as shown on Interconnect Plan.
 - Install 24 in. wide pavement marking - white for stop line.
 - Cap and abandon existing conduit.
 - Remove existing handhole.
 - Remove existing span wire and all attached equipment.
 - Remove existing steel pole and all attached equipment.
- Use existing handhole and splice existing loop wire to new aluminum shielded cable.
 - Use existing handhole and splice existing loop wire to new aluminum shielded cable. Pull back existing I/C cable. Rerun to new cabinet.
 - Proposed underground electrical service by PEPCO.
 - Install 12 in. wide pavement marking on concrete ribbon - white for crosswalk.
 - Remove existing cabinet/controller.
 - Use existing conduit. Install new I/C cable as shown on the City of Rockville Redland Blvd Interconnect Plan.



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| GEOMETRIC LEGEND | REVISIONS | APPROVALS |
| | | ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION ASST. DISTRICT ENGINEER - TRAFFIC DIRECTOR, OFFICE OF TRAFFIC & SAFETY |
| UTILITY LEGEND | | |
| | | |

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

(Traffic Signal Plan)
MD 355 at Redland Blvd. / Redland Road

COUNTY: MONTGOMERY LOG MILE: 15035511.95

DATE: N/A F.A.P. NO. N/A TS/STD. NO. 3665A SHEET NO. 1 of 3
 SCALE: 1" = 20' S.H.A. NO. N/A **3636A**

Revision "A"

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