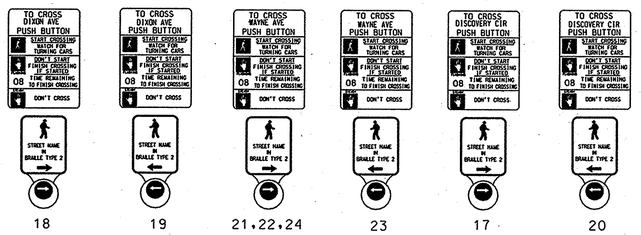
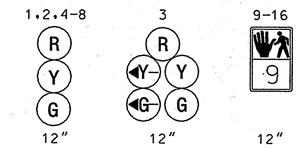
SHEET NO. 1 OF 2

PROPOSED SIGNS

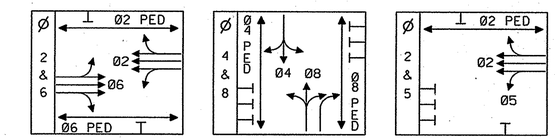
R10-3e (MOD)
9" x 12"
(TO BE INSTALLED WITH APS PUSHBUTTON)



PROPOSED LED SIGNALS



NO. _____
PHASING



WAYNE AVENUE IS ASSUMED TO RUN IN A EAST/WEST DIRECTION.

30,38,41,45
NO TURN ON RED
R10-11b
(24"X24")

37
Discovery → PL
D-3(1)
(VAR.x18")

25
← Discovery PL
D-3(1)
(VAR.x18")

29
Dixon → AVE <8600
D-3(1)
(VAR.x18")

32
← Dixon AVE 8600>
D-3(1)
(VAR.x18")

40
Wayne AVE <1100
D-3(1)
(VAR.x18")

44
Wayne AVE 1100>
D-3(1)
(VAR.x18")

36
R3-6
30"x36"

42
ONLY
R3-5(R)
30"x36"

EXISTING SIGNS TO BE REMOVED

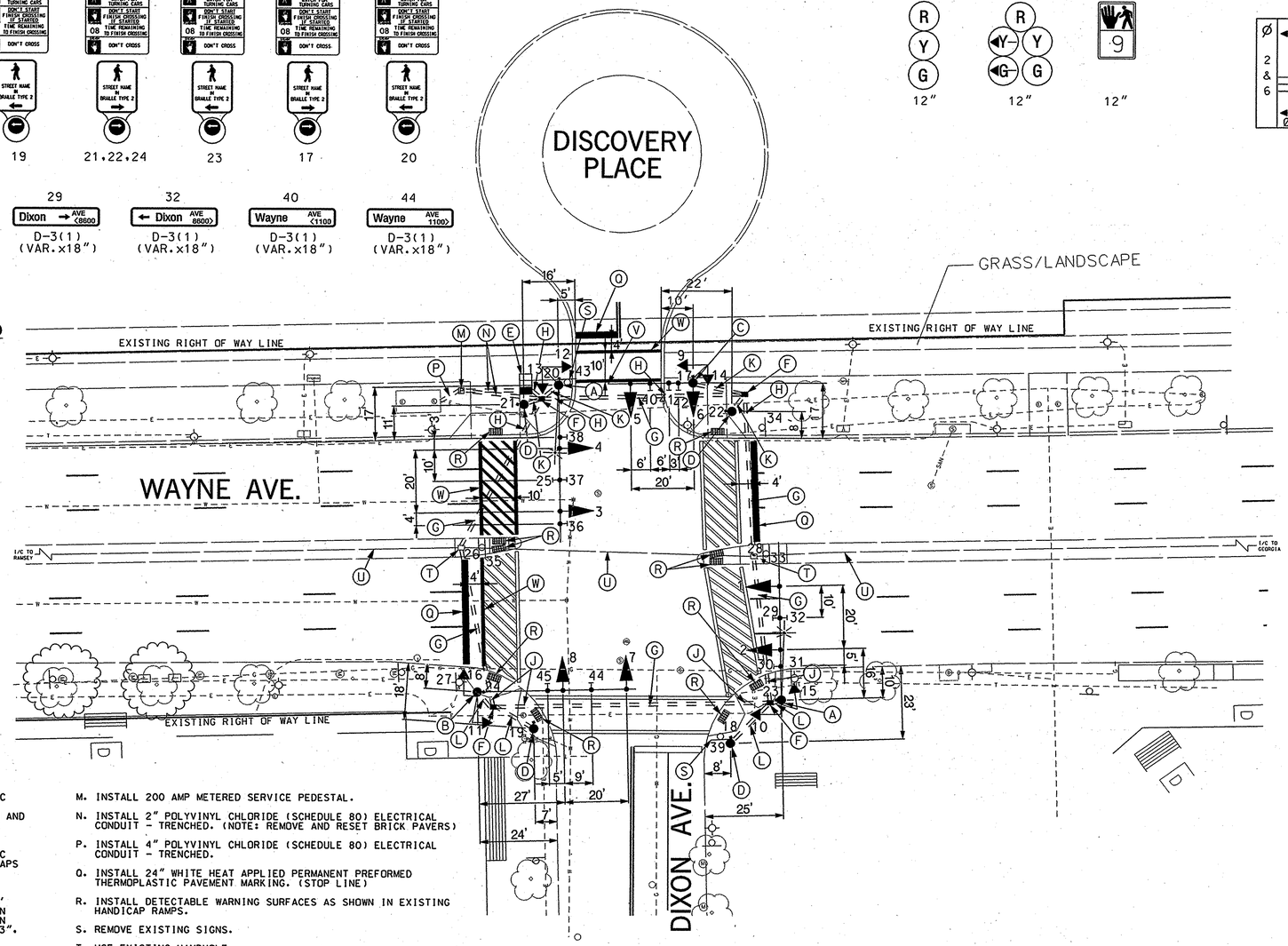
39,43
STOP
R1-1
(30"X30")

EXISTING SIGNS

28,35
R4-7
(24"X30")

26,27,33,34
W11A-2
(30"X30")

31
SPEED LIMIT 30
R2-1
(24"X30")



CONSTRUCTION DETAIL

A. INSTALL 27' STEEL POLE WITH SINGLE 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNALS, APS STATION AND PEDESTRIAN EDUCATION SIGN, 20' LIGHTING ARM AND 250W HPS LUMINAIRE. (NOTE: 1-3", 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

B. INSTALL 27' STEEL POLE WITH SINGLE 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNALS, AND APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3", 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

C. INSTALL 27' STEEL POLE WITH SINGLE 38' MAST ARM (CUT 38' MAST ARM TO 26'), TRAFFIC SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNALS, APS STATION AND PEDESTRIAN EDUCATION SIGN, 20' LIGHTING ARM AND 250W HPS LUMINARE. (NOTE: 1-3", 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

D. INSTALL 5' BREAKAWAY PEDESTAL POLE W/ APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3" POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

E. INSTALL NEMA SIZE "6" TS-2 BASE-MOUNTED CABINET AND CONTROLLER WITH L.A.U., L.A.U. PANEL AND ALL NECESSARY EQUIPMENT. (NOTE: 2-4" AND 2-2" 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND)

F. INSTALL HANDHOLE.

G. INSTALL 2-4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUITS - SLOTTED. (NOTE: SECOND CONDUIT IN THE SAME SLOT)

H. INSTALL 2-4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUITS - TRENCHED. (NOTE: SECOND CONDUIT IN THE SAME TRENCH. REPLACE CONCRETE WHERE DAMAGED)

J. INSTALL 2-4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUITS - TRENCHED. (NOTE: SECOND CONDUIT IN THE SAME TRENCH. REMOVE AND RESET BRICK PAVERS)

K. INSTALL 3" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

L. INSTALL 3" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED. (NOTE: REMOVE AND RESET BRICK PAVERS)

M. INSTALL 200 AMP METERED SERVICE PEDESTAL.

N. INSTALL 2" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED. (NOTE: REMOVE AND RESET BRICK PAVERS)

P. INSTALL 4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

Q. INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING. (STOP LINE)

R. INSTALL DETECTABLE WARNING SURFACES AS SHOWN IN EXISTING HANDICAP RAMPS.

S. REMOVE EXISTING SIGNS.

T. USE EXISTING HANDHOLE.

U. USE EXISTING CONDUIT.

V. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

W. INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING. (CROSSWALK)

GENERAL NOTES

1. CONDUIT IS TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
2. 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 TE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR. THE CONTRACTOR SHALL NOTIFY 240-777-2101 AT MONTGOMERY COUNTY 72 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE CONFLICT MAY BE RESOLVED.
3. ALL PROPOSED CROSSWALKS AND STOPLINES SHALL BE INSTALLED BY THE SIGNAL CONTRACTOR IN ACCORDANCE WITH MONTGOMERY COUNTY STANDARDS AND MATERIALS SPECIFICATIONS. CONTACT MR. FRED LEES AT 240-777-2196 TWO WEEKS PRIOR TO INSTALLATION OF THE FINAL MARKINGS. ALL OTHER PROPOSED MARKINGS WILL BE INSTALLED BY OTHERS.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. SEE PLAN SHEETS 11 OF 12 AND 12 OF 12 FOR INTERCONNECT DETAILS AND QUANTITIES.
6. PROPOSED POLES WILL BE PAINTED BROWN BY OTHERS.

SHA No.: BW847M83
MD 384 @ Lower Entrance-Silver Spring Transit Center

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

PB 100 YEARS
PARSONS BRINCKERHOFF QUADE & DOUGLAS
100 South Charles Street
Tower 1, 10th Floor
Baltimore, MD 21201-2727
Phone: 410-727-5050
Fax: 410-727-4508

NO.	REVISION	BY	APP'D	DATE

DESIGNED BY:	K PERMISOHN	DATE	8-25-06
DRAWN BY:	M FUKUI	DATE	8-25-06
CHECKED BY:	K PERMISOHN	DATE	8-25-06
DRAWING NO.:	9 OF 12		

Approved: _____
Chief, Traffic Engineering and Operations

Reviewed: _____
Manager, Transportation Systems Engineering

Reviewed: _____
Manager, Traffic Control and Lighting Engineering

Recommended: _____
Engineer, Transportation Systems Engineering

DEPT. OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF OPERATIONS
MONTGOMERY COUNTY, MARYLAND

WAYNE AVENUE AND DIXON AVENUE

SCALE: 1" = 20'