SHEET NO. 1 OF 2

PROPOSED SIGNS

R10-12 36"x 42" — LEFT TURN YIELD ON GREEN — 17,18

R3-5 (L) 30"x 36" — 19,21

R3-5 (R) 30"x 36" — 20,22

R3-4 30"x 30" — 27

R10-4(R) 9"X12" — START CROSSING WATCH FOR TURNING CARS / DON'T START FINISH CROSSING IF STARTED / PEDESTRIANS SHOULD NOT BE IN CROSSWALK — (4 EACH)

R10-4 9"X12" — TO CROSS ARUNDEL MILLS CIRCLE PUSH BUTTON / START CROSSING WATCH FOR TURNING CARS / DON'T START FINISH CROSSING IF STARTED / PEDESTRIANS SHOULD NOT BE IN CROSSWALK — (4 EACH)

R10-7 9"X12" — DO NOT BLOCK INTERSECTION — 29,30

R1-1 30"x30" — STOP — 31

D3-2 72"X16" — ARUNDEL MILLS CIR — 23,24,25,26

PROPOSED SIGNAL HEADS

12"/8" — 1,4

12" — 2,5,

12" — 8

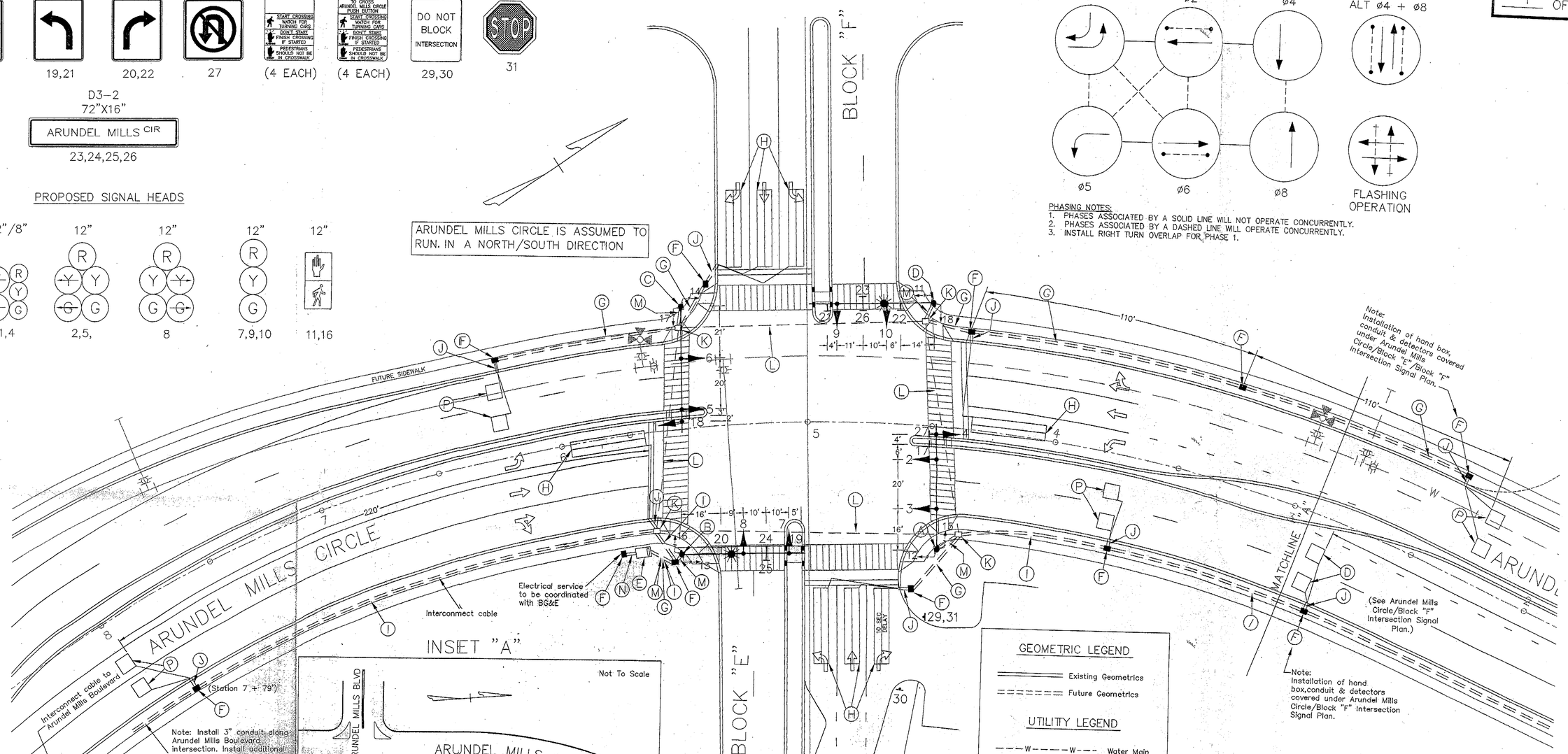
12" — 7,9,10

12" — 11,16

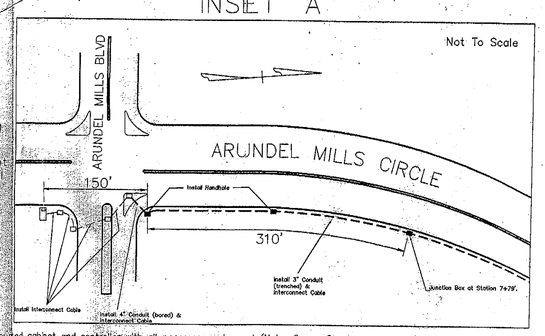
NEMA PHASING

PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
3. INSTALL RIGHT TURN OVERLAP FOR PHASE 1.

ARUNDEL MILLS CIRCLE IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION



INSET "A"



GEOMETRIC LEGEND

Existing Geometrics

Future Geometrics

UTILITY LEGEND

W — Water Main

S — Sewer Main

D — Storm Drain

CONDUIT

Existing

Proposed

HAND HOLE

Existing

Proposed

GENERAL NOTES

1. Construction shall be completed in accordance with the Maryland Department of Transportation State Highway Administration's Standard Specifications for Construction and Materials (October, 1993) and all amendments and the Book of Standards Highway and Incidental Structures.
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 the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
3. The Contractor shall confirm the location of geometrics prior to the installation of the signal equipment.
4. All traffic signal equipment shall be installed to final grade.
5. Pavement markings to be installed by others.

SHA TS# 3962

Arundel Mill Circle at Block E Walmart/Costco/ Entrance

CONSTRUCTION DETAILS

A. Install a 27 ft. steel pole with a 50 ft. mast arm, signal heads, push buttons and signs at station 4+48 ft. North; East 49 ft. (Note: One – 4 in. PVC schedule 80 conduit bend and four 1 3/4 in. x 90 in. anchor bolts.)

B. Install a 27 ft. steel pole with a 50 ft. mast arm, signal heads, 20 ft. steel lighting arm with 250 watt high pressure sodium luminaire, push buttons, and signs at station 5+50 ft. South; East 50 ft. (Note: One – 4 in. PVC schedule 80 conduit bend and four – 1 3/4 in. x 90 in. anchor bolts.)

C. Install a 27 ft. steel pole with a 50 ft. mast arm, signal heads, push buttons, and signs at station 5+51 ft. South; West 48.5 ft. (Note: One – 4 in. PVC schedule 80 conduit bend and four – 1 3/4 in. x 90 in. anchor bolts.)

D. Install a 27 ft. steel pole with a 50 ft. mast arm, signal heads, 20 ft. steel lighting arm with 250 watt high pressure sodium luminaire, push buttons, and signs at station 4+48.5 ft. North; West 49 ft. (Note: One – 4 in. PVC schedule 80 conduit bend and four – 1 3/4 in. x 90 in. anchor bolts.)

E. Install base-mounted cabinet and controller with all necessary equipment (Note: One – 2 in., two – 3 in., and two – 4 in. PVC schedule 80, 90 degree PVC bends.) Pull all proposed cables into controller cabinet and properly tag/label each cable.

F. Install handhole.

G. Install 2 in. PVC schedule 80 electrical conduit – trenched.

H. Install 6 ft. x 6 ft. quadrupole vehicle loop detector (3-6-3 turns) encased in 1/4" flexible tubing.

I. Install 3 in. PVC schedule 80 electrical conduit – trenched.

J. Install a 1 in. "cog flex" sleeve for detector lead-in (one per loop).

K. Use existing handhole.

L. Use existing conduit (4 in. PVC schedule 80).

M. Install one – 4 in. PVC schedule 80 electrical conduit – trenched.

N. Install 2 in. schedule 80 PVC conduit – trenched (Proposed underground electrical service to be coordinated with BGE).

P. Install 6 ft. x 6 ft. loop detector (4 turns) encased in flexible tubing.

REVIEWED for general arrangement. Any approval subject to compliance with all code requirements. Detailed dimensions and quantities not checked.

REMARKS:

ANNE ARUNDEL COUNTY DEPT. OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION

By: [signature] Date: 7/9/01

ACTION:	
✓	Approved
	Approved as noted
	Revise and return
	Rejected

WELLS & ASSOCIATES, LLC.
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
■ 1420 Spring Hill Road, Suite 600, McLean, Virginia 22102 Phone: 703/917-6620 Facsimile: 703/917-0739
☐ 170 Jennifer Road, Suite 260, Annapolis, Maryland 21401 Phone: 410/266-5723 Facsimile: 410/266-9189
☐ 420 Virginia Avenue, Towson, Maryland 21286 Phone: 410/825-2527 Facsimile: 410/825-2517

STATE OF MARYLAND — MARTY J. WELLS — REG. NO. 19811 — REGISTERED PROFESSIONAL ENGINEER — 6/29/01

0 20' 40'

SCALE:	1" = 20'
DATE:	29 JUNE 2001
DESIGNED BY:	SEB
DRAWN BY:	SEB/DAO
CHECKED BY:	LES
PROJECT NO:	551

REVISIONS:

BY	DATE	REMARKS

TITLE: Walmart

Traffic Signal Installation
Arundel Mills Circle/Block "E"/ Block "F" Intersection
Walmart/Costc

LOCATION/DESCRIPTION:
Anne Arundel County, Maryland