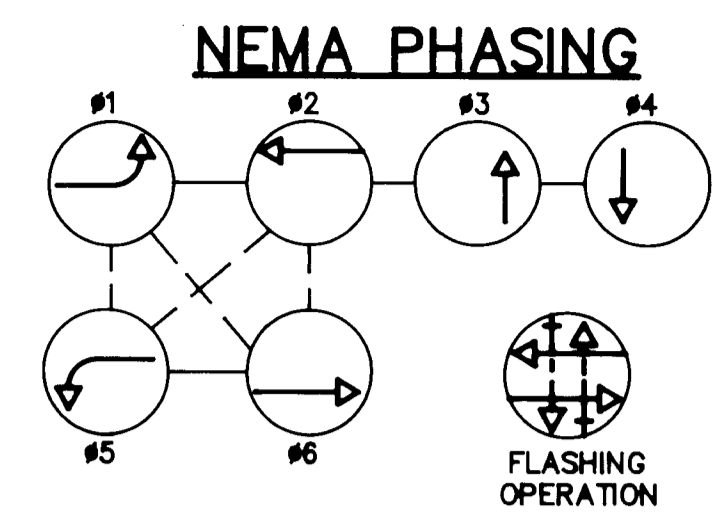
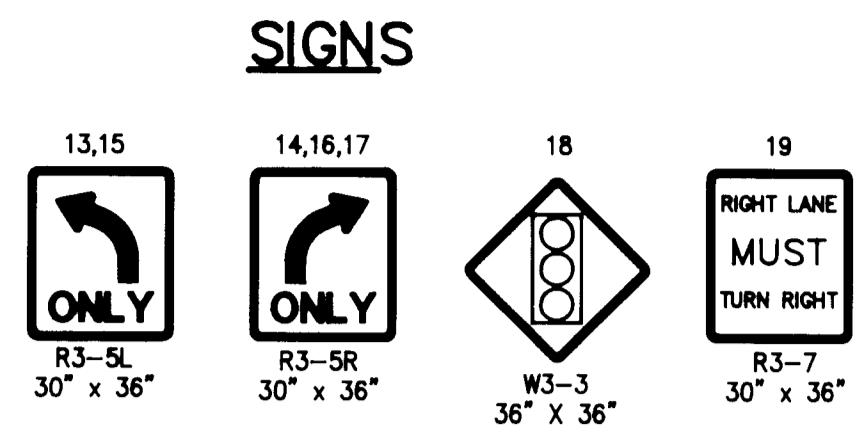
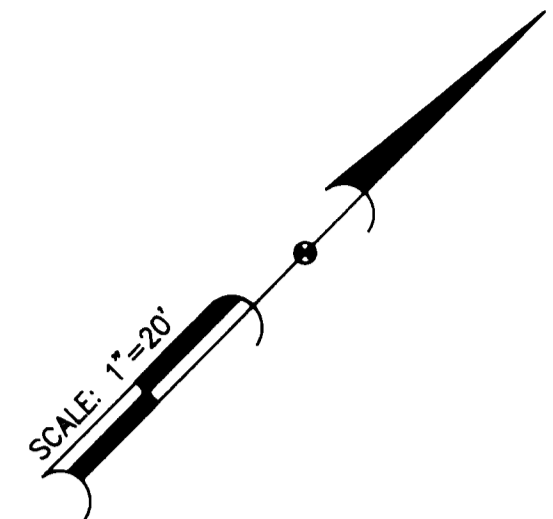
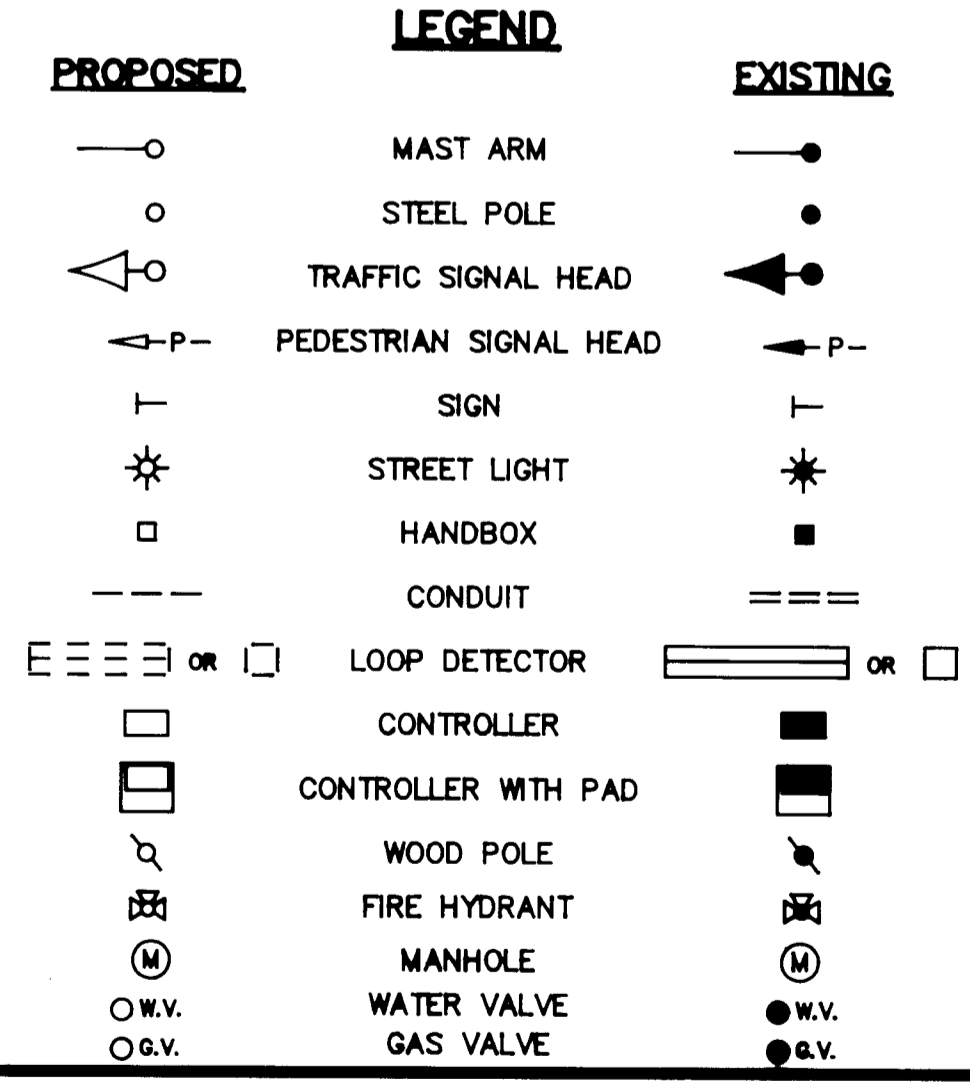
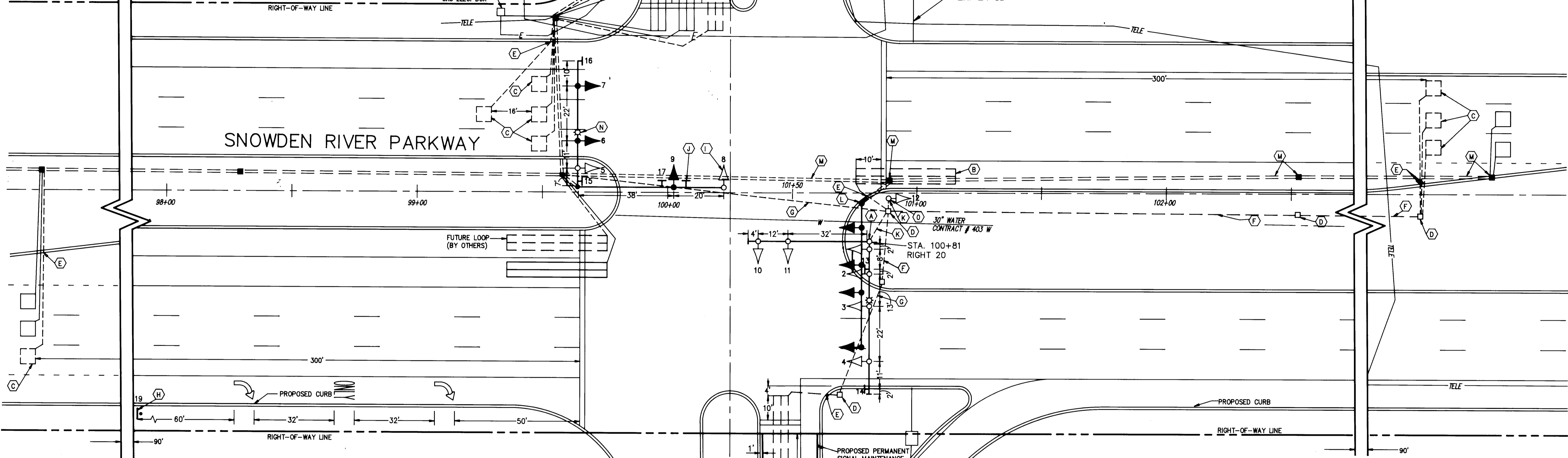


PHASE AND SERVICE DIAGRAM	SIGNAL HEADS											
	1-1	3-4	5	6-7	8	9	10	11	12	13	14	15
PHASE 100	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 104	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 108	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 200	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 204	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 208	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 300	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 304	○	○	○	○	○	○	○	○	○	○	○	○
PHASE 308	○	○	○	○	○	○	○	○	○	○	○	○
PLANN	FL/R	FL/Y	FL/R	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R



PHASING NOTES:

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



UNDERGROUND UTILITIES

	ELECTRIC	E
	TELEPHONE	T
	GAS	G
	SEWER	S
	WATER	W
	CABLE TV	TV

NOTES:

- TEST PITS REQUIRED FOR VERIFICATION OF UTILITIES.
- MEDIAN SIGNS TO BE RETAINED AND REUSED.
- LOCATION OF EXISTING FEATURES ARE APPROXIMATE AND ARE TO BE VERIFIED PRIOR TO CONSTRUCTION.
- FINAL LOCATION OF SIGNAL HEADS AND OVER-HEAD SIGNS TO BE IDENTIFIED BY HOWARD COUNTY IN THE FIELD.
- MINIMUM 3 FOOT LATERAL CLEARANCE FROM FACE OF CURB TO FACE OF POLE A AND O.

CONSTRUCTION DETAILS

- INSTALL 27 FOOT STEEL POLE WITH TWIN 60" AND 48" MAST ARMS, 20' LIGHTING ARM WITH A 250 WATT HPS LUMINAIRE, SIGNAL HEADS, AND SIGNS. (NOTE: 1-2" GALVANIZED 90 DEGREE ELBOW).
- INSTALL 6' x 40' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (2-4-2) QUADRUPLE TYPE.
- INSTALL 6' x 6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-TURNS).
- INSTALL HANDBOX.
- INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR SLEEVE WIRE).
- INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (SLOTTED).
- INSTALL GROUND MOUNTED SIGN.
- REPLACE EXISTING SIGNAL HEAD WITH PROPOSED SIGNAL HEAD AS SHOWN.
- REMOVE EXISTING SIGN.
- INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED)
- REMOVE EXISTING POLE AND MAST ARM.
- ABANDON EXISTING LOOPS, JUNCTION BOX, AND CONDUIT.
- INSTALL 20' LIGHTING ARM WITH A 250 WATT HPS LUMINAIRE ON EXISTING POLE. (NOTE: REQUIRES SPECIAL EXTENSION ON POLE)
- INSTALL 10 FOOT BREAK AWAY PEDESTAL POLE AND SIGNAL HEAD AS SHOWN. (NOTE: 1-2" GALVANIZED 90 DEGREE ELBOW).
- INSTALL DISCONNECT SWITCH AND TROUGH FOR STREET LIGHTING.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

PREPARED BY: **WELLS & ASSOCIATES, INC.**
TRAFFIC, TRANSPORTATION, and PARKING CONSULTANTS

DESIGNED BY: BA

DRAWN BY: I-CADD

CHECKED BY: M.J.W.

DATE: 2/8/93

T-7047 KK

TRAFFIC SIGNAL MODIFICATION PLAN
SNOWDEN RIVER PKWY. AT MCGAW ROAD

SCALE: AS SHOWN

SHEET 1 OF 1

746