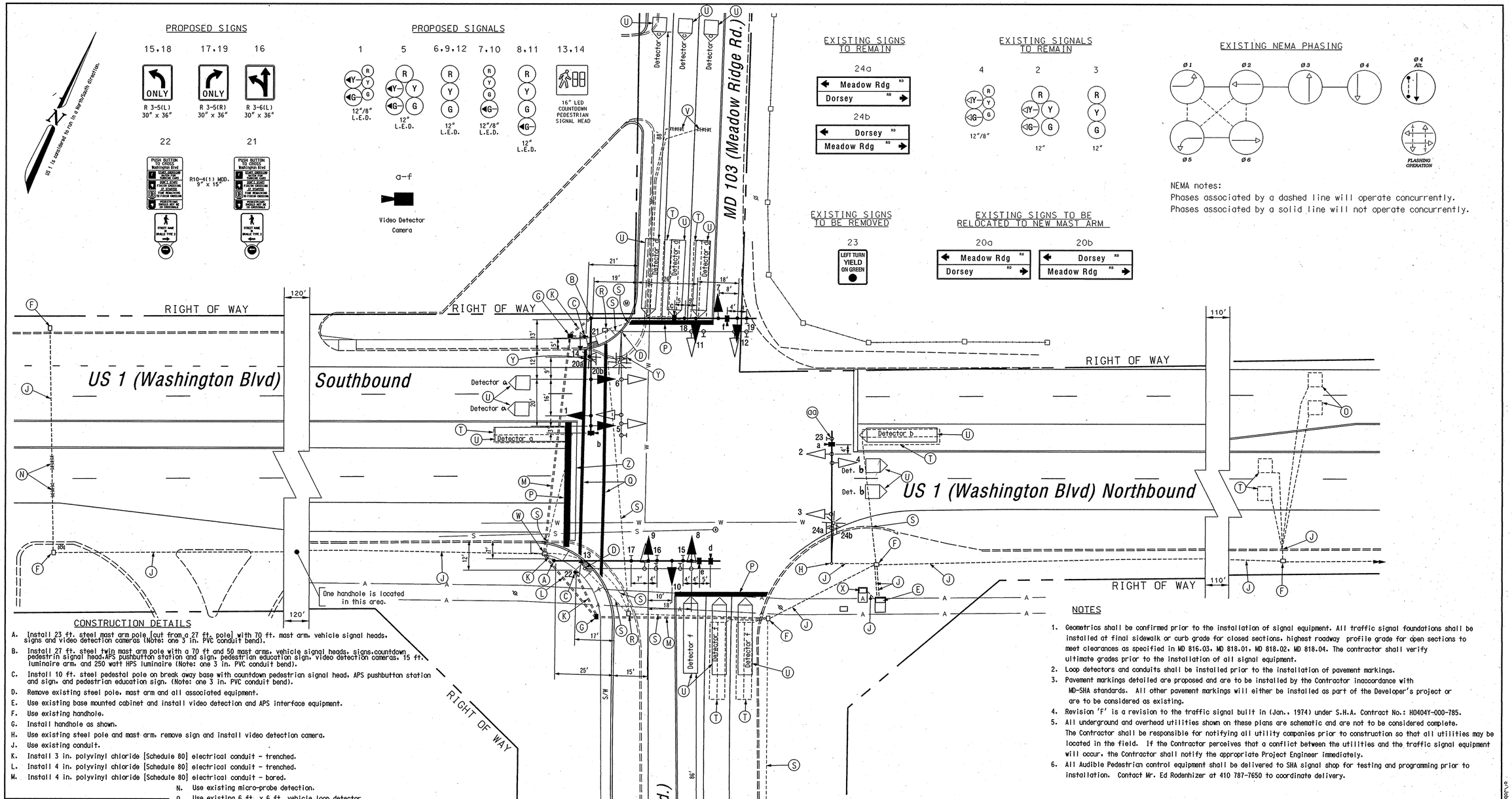

CONSTRUCTION DETAILS

A. Install 23 ft. steel mast arm pole [cut from a 27 ft. pole] with 70 ft. mast arm, vehicle signal heads, signs and video detection cameras (Note: one 3 in. PVC conduit bend).

B. Install 27 ft. steel twin mast arm pole with a 70 ft and 50 mast arms, vehicle signal heads, signs,countdown pedestrin signal head,APS pushbutton station and sign, pedestrian education sign, video detection cameras, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).

C. Install 10 ft. steel pedestal pole on break away base with countdown pedestrian signal head, APS pushbutton station and sign, and pedestrian education sign. (Note: one 3 in. PVC conduit bend).

D. Remove existing steel pole, mast arm and all associated equipment.

E. Use existing base mounted cabinet and install video detection and APS interface equipment.

F. Use existing handhole.

G. Install handhole as shown.

H. Use existing steel pole and mast arm, remove sign and install video detection camera.

J. Use existing conduit.

K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

N. Use existing micro-probe detection.

O. Use existing 6 ft. x 6 ft. vehicle loop detector.

P. Install 24 in. wide pavement marking - white for stop line.

Q. Install 12 in. wide pavement marking - white for crosswalk.

R. Remove existing handhole.

S. Cap and abandon existing conduit.

T. Disconnect and abandon existing vehicle loop detector.

U. Proposed video detection area.

V. Disconnect and abandon existing micro-probes.

W. Use existing handhole and pull back existing signal cables from existing base mounted cabinet. Reroute detection cable back to existing base mounted cabinet.

X. Use existing base mounted cabinet with master controller.

Y. Relocate existing street name sign to new mast arm.

Z. Remove stop line by grinding.

aa. Remove existing mast arm mounted sign.

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
D — D	STORM DRAIN
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at 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.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor inaccordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'F' is a revision to the traffic signal built in (Jan., 1974) under S.H.A. Contract No.: H0404Y-000-785.
5. 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.
6. All Audible Pedestrian control equipment shall be delivered to SHA signal shop for testing and programming prior to installation. Contact Mr. Ed Rodenhizer at 410 787-7650 to coordinate delivery.

Revision "F"

The Traffic Group

The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

F	BW996M82 Oct. 10, 2006 REBUILD SIGNAL DUE TO WIDENING ALONG MD 103				
HJK					
E	REPLACE ADVANCED DETECTION ON NORTHBOUND US1 2/14/00 SHA NO H07615176				
JCR	MR	DAZ	BK	TH	
D	4/10/98 Replace Mast Arm in S/W. Quadrant & Detection on MD 103				
TMZ	DAZ	BK			
C	10/1984 Intersection rebuilt for MD 100 project AW890-501-070				
JDM	DAZ	ETP	TH		

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

(Traffic Signal Plan)

US 1 at MD 103 Dorsey Rd. / Meadow Ridge Rd.

DRAWN BY:	D. Dodo	F.A.P. NO.	N/A	TS NO. 962 F	SHEET NO.
CHECKED BY:	A. Budnichuk	S.H.A. NO.	H0404Y-000-785		
SCALE:	1" = 20'	COUNTY:	Howard	T.I.M.S. NO. H-991	1 OF 2
DATE:	Jan. 14, 1974	LOG MILE:	13000107.05		

c:\Jobs\2004\2004-0832\Dwg\Signal.dgn 11/22/2006