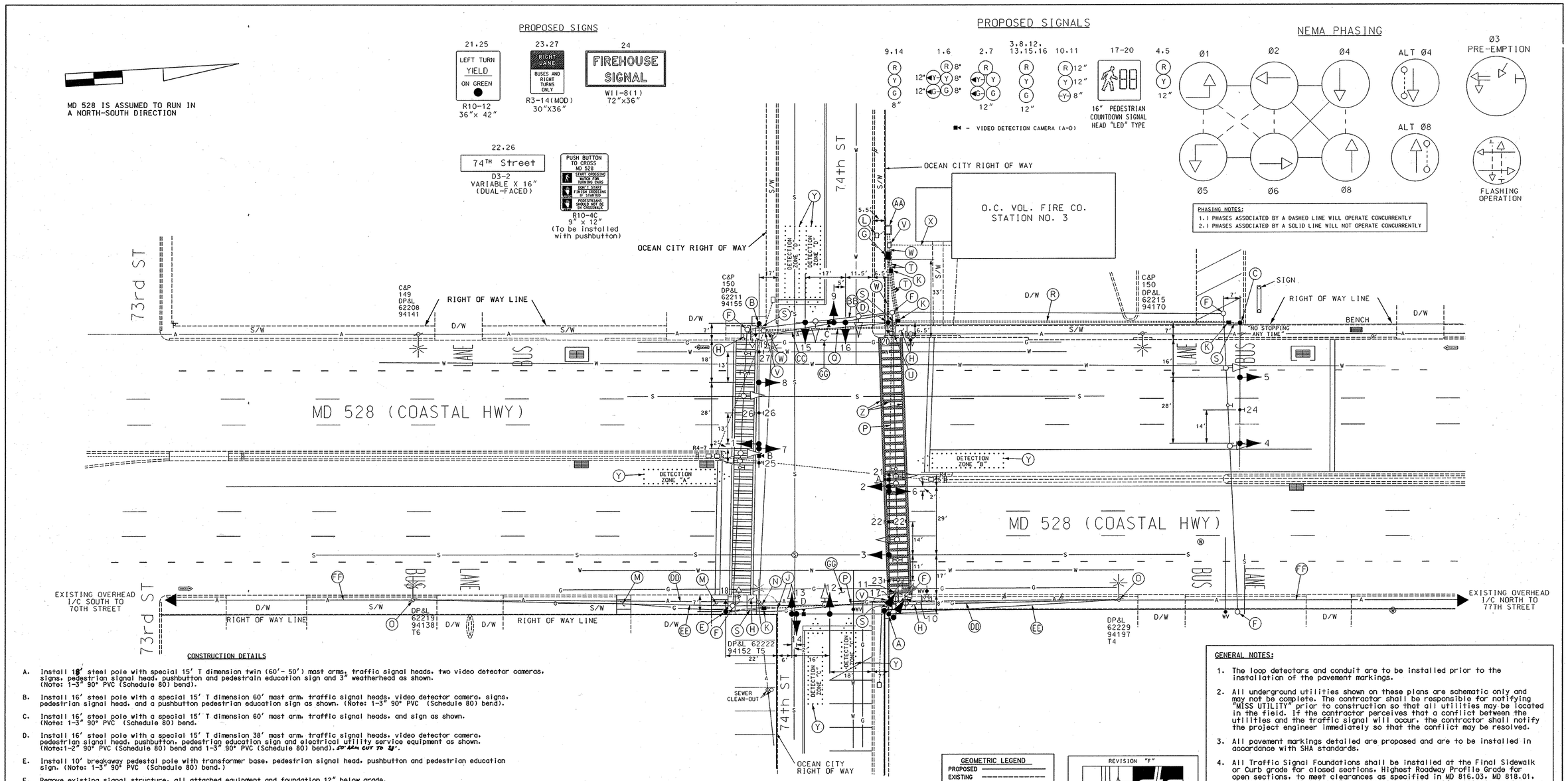

CONSTRUCTION DETAILS

A. Install 18' steel pole with special 15' T dimension twin (60'- 50') mast arms, traffic signal heads, two video detector cameras, signs, pedestrian signal head, pushbutton and pedestrain education sign and 3" weatherhead as shown. (Note: 1-3" 90° PVC (Schedule 80) bend).

B. Install 16' steel pole with a special 15' T dimension 60' mast arm, traffic signal heads, video detector camera, signs, pedestrian signal head, and a pushbutton pedestrian education sign as shown. (Note: 1-3" 90° PVC (Schedule 80) bend).

C. Install 16' steel pole with a special 15' T dimension 60' mast arm, traffic signal heads, and sign as shown. (Note: 1-3" 90° PVC (Schedule 80) bend.

D. Install 16' steel pole with a special 15' T dimension 38' mast arm, traffic signal heads, video detector camera, pedestrian signal head, pushbutton, pedestrian education sign and electrical utility service equipment as shown. (Note:1-2" 90° PVC (Schedule 80) bend and 1-3" 90° PVC (Schedule 80) bend). 50' ARM CUT TO 38'.

E. Install 10' breakaway pedestal pole with transformer base, pedestrian signal head, pushbutton and pedestrian education sign. (Note: 1-3" 90° PVC (Schedule 80) bend.)

F. Remove existing signal structure, all attached equipment and foundation 12" below grade.

G. Install eight-phase solid state digital controller with all necessary equipment housed in NEMA size "6" base-mounted cabinet.

H. Remove existing curb and gutter and install depressed curb and gutter, remove concrete sidewalk for the installation of signal equipment and install ADA compliant ramp with detectable warning surface as shown.

J. Test pit and locate existing 4" PVC conduit crossing 74th Street. Extend conduit into proposed handhole.

K. Install handhole.

L. Remove existing handhole.

M. Remove sidewalk section and install ADA compliant handicapped ramp with detectable warning surface as shown.

N. Install 3" conduit bend and riser on Conectiv pole for interconnect cable. Install 3" conduit stub into handhole.

O. Pull back existing interconnect cable from cabinet to this pole and coil. Reroute overhead to new signal pole and route underground to new cabinet.

P. Use existing conduit

Q. Install 4" polyvinyl chloride (Schedule 80) electrical conduit (slotted).

R. Install 3" polyvinyl chloride (Schedule 80) electrical conduit (bored).

S. Install 3" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

T. Install 4" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

CONSTRUCTION DETAILS CONTINUED

U. Remove existing handhole, extend existing 4" conduit into adjacent handhole.

V. Use existing handhole.

W. Install 2" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

X. Maintain existing conduit, pull back and reroute existing 2-conductor cable for firehouse pushbutton.

Y. Proposed video detection area.

Z. Install 12" white heat applied thermoplastic pavement marking (crosswalk with cross hatching).

AA. Remove existing base-mounted cabinet.

BB. Remove overhead electrical service.

CC. Proposed overhead electrical service to be installed by Conectiv Power.

DD. Existing overhead 12-pair interconnect cable to be pulled back and rerouted.

EE. Relocated overhead 12-pair interconnect cable.

FF. Existing overhead 12-pair interconnect cable to remain.

GG. Install 10' wide crosswalk with crosshatching across sidestreet beginning at the extension of the face of curb. (Not shown on plan for clarity reasons.)

GENERAL NOTES:

1. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
2. All underground 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. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
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, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
5. Existing handholes and conduits not detailed are to remain.

GEOMETRIC LEGEND	
PROPOSED	
EXISTING	

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A — A
ELECTRIC	E — E
TELEPHONE	T — T
GAS	G — G
SEWER	S — S
WATER	W — W
CABLE TV	TV — TV

REVISION "F"

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Ph (410) 590-5500
Fax (410) 590-5537

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REVISIONS	
F 11-4-04 REBUILD SIGNAL USING MAST ARMS SHA# AT3555185	
RRZ	
E 4/01/1994 RELOCATE FIREHOUSE SIGNALS	
J.A.H.	

APPROVALS	
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	ORIGINAL ON FILE
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
DIRECTOR, TRAFFIC & SAFETY	

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

MD 528 @ 74th St

W0481A64/0654 TOD#:AT355-06

DRAWN BY:	J.A.H.	F.A.P. NO.		TS NO. 1421F	SHEET NO. 1 OF 2
CHECKED BY:		S.H.A. NO.			
SCALE:	1"= 20'	COUNTY:	Worcester	T.I.M.S. NO. 9398	
DATE:	6-18-04	LOG MILE:	23052804.01		

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