US 301 is considered to run in a North/South direction.

PROPOSED SIGNS

14a, 15a — Chadds Ford Drive →

14b, 15b — ← Chadds Ford Drive

D-3(1) 16" x Var. (Dual Faced)

16, 17, 18 — ONLY

R 3-5(L) 30" x 36"

19 — Robert S. Crain Hwy

D-3(1) 16" x Var.

20–23 — NEW

Temporary Sign W 3-3 48" x 48"

24 — NORTH 301

Shield Assem. 48" x 72"

25 — SOUTH 301

Shield Assem. 30" x 51"

PROPOSED SIGNALS

1–3, 6–11: R, Y, G — 12"

4, 5: R, Y, G — 12"

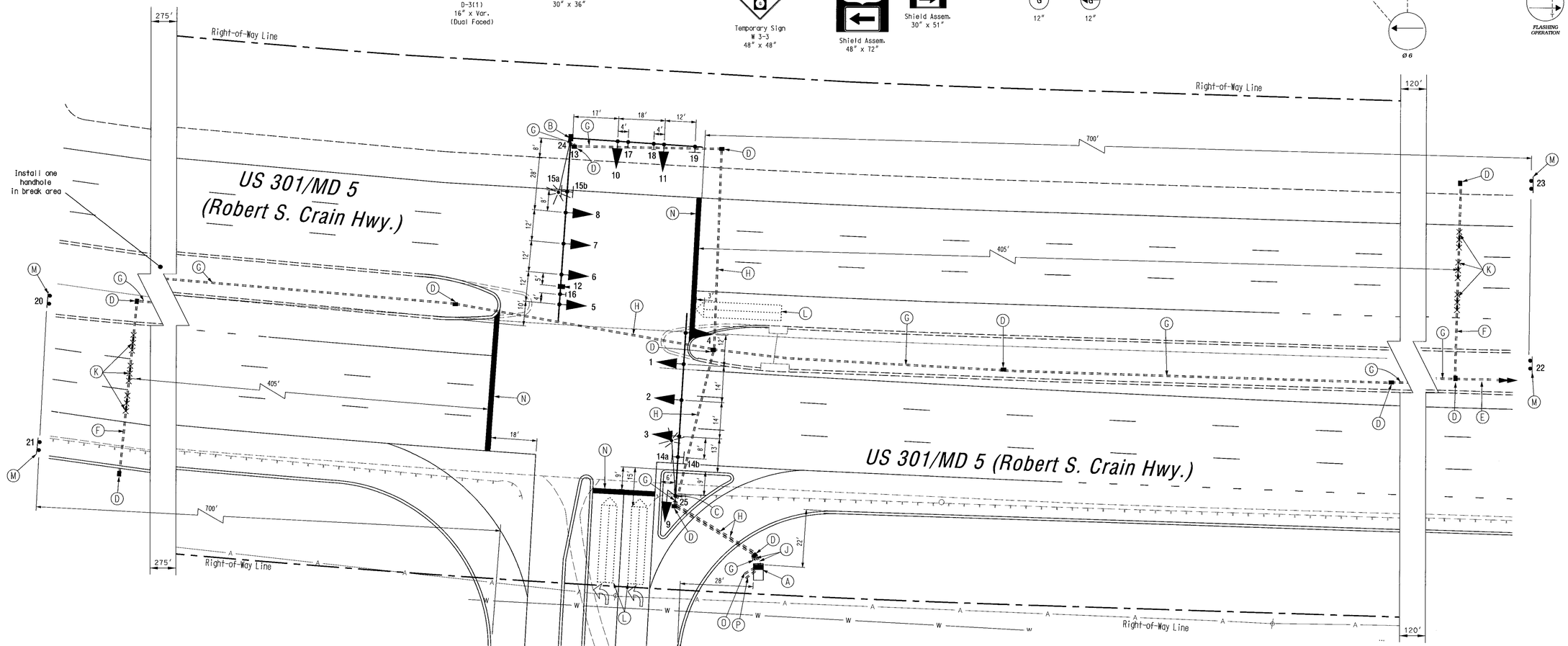
PROPOSED CAMERAS

12, 13

PROPOSED NEMA PHASING

Ø1, Ø2, Ø4, Ø6

FLASHING OPERATION



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 base cabinet/controller, and necessary equipment for an underground electrical MD-SHA Type B-13 service, and Verizion phone drop.
B. Install 27 ft. steel twin mast arm pole with 50 ft. and 70 ft. mast arms, vehicle signal heads, signs, 20 ft. luminaire arm, 250 watt HPS luminaire and video camera detection [camera for Chadds Ford Drive to be mounted at top of mast arm pole] (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, signs, 20 ft. luminaire arm, and 250 HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install handhole.
E. Installed as part of IC Plan.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install Non-Invasive probe (set of 3).
L. Video camera Detection zone.
M. Install ground mounted sign as shown.
N. Install 24 in. wide pavement marking - white for stop line.
O. Proposed underground electrical service by SMECO.
P. Install Verizion phone drop.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. 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 in accordance 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. 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.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

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

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

REVISIONS

APPROVALS

6-2-03 — TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

6/3/03 — ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

6/3/03 — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

6/3/03 — DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

US 301/MD 5 (Robert S. Crain Hwy.) at Chadds Ford Drive

DRAWN BY: Frank Hoeckel	F.A.P. NO. N/A	TS NO. 4238	SHEET NO.
CHECKED BY: gah	S.H.A. NO. BW996M82		
SCALE: 1" = 20'	COUNTY: Prince George's	T.I.M.S. NO. F-616	1 OF 3
DATE: May 13, 2003	LOC MILE: 16030101.25		

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