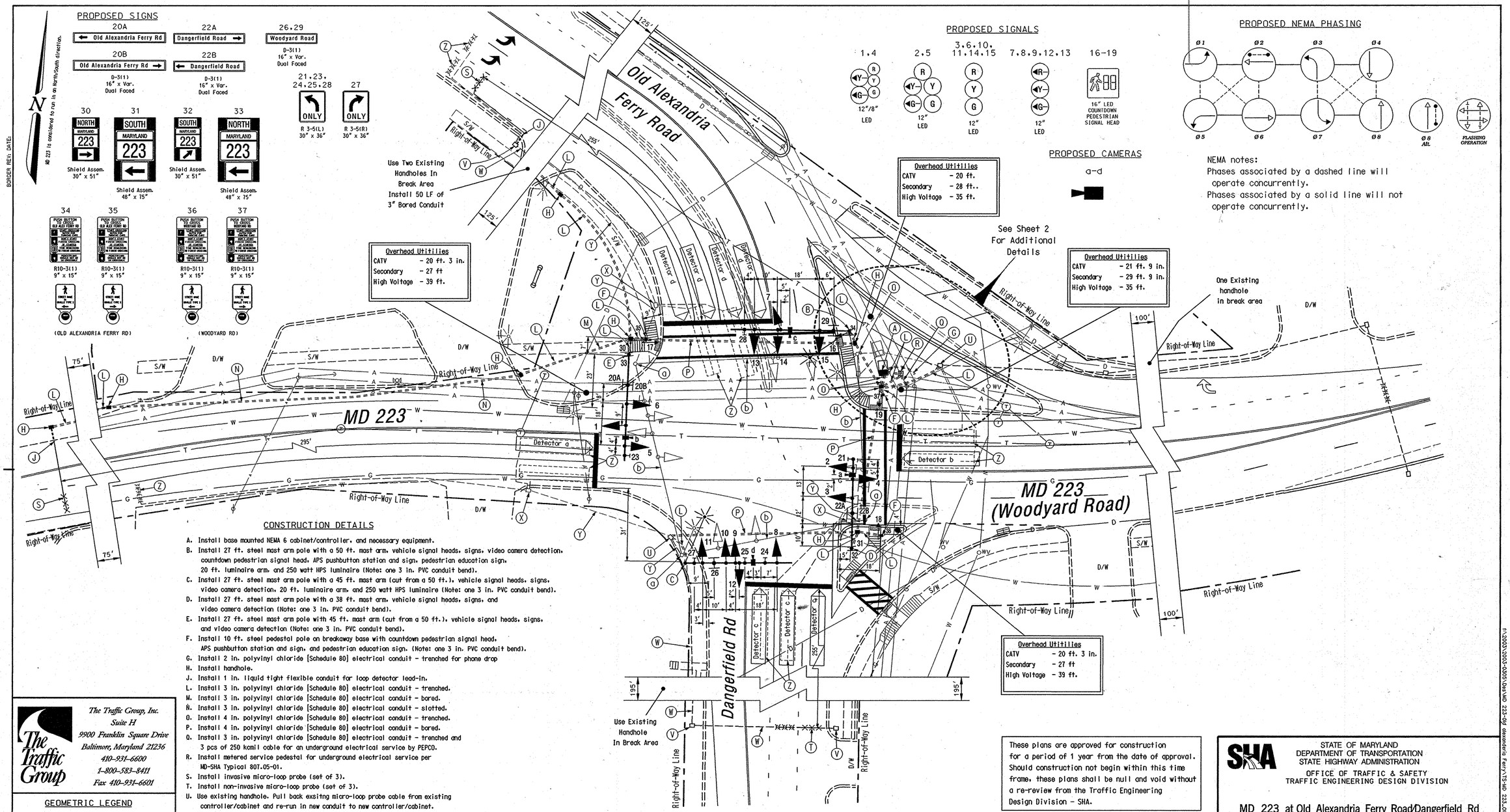


DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE:

## CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment.
B. Install 27 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, signs, video camera detection, countdown pedestrian signal head, APS pushbutton station and sign, pedestrian education sign, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with a 45 ft. mast arm (cut from a 50 ft.), vehicle signal heads, signs, video camera detection, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 38 ft. mast arm, vehicle signal heads, signs, and video camera detection (Note: one 3 in. PVC conduit bend).
E. Install 27 ft. steel mast arm pole with 45 ft. mast arm (cut from a 50 ft.), vehicle signal heads, signs, and video camera detection (Note: one 3 in. PVC conduit bend).
F. Install 10 ft. steel pedestal pole on breakaway base with countdown pedestrian signal head, APS pushbutton station and sign, and pedestrian education sign. (Note: one 3 in. PVC conduit bend).
G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched for phone drop
H. Install handhole.
J. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
M. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
N. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted.
O. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
P. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
Q. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched and 3 pcs of 250 kcmil cable for an underground electrical service by PEPCO.
R. Install metered service pedestal for underground electrical service per MD-SHA Typical 807.05-01.
S. Install invasive micro-loop probe (set of 3).
T. Install non-invasive micro-loop probe (set of 3).
U. Use existing handhole. Pull back exsitng micro-loop probe cable from existing controller/cabinet and re-run in new conduit to new controller/cabinet.
V. Use existing handhole.
W. Use existing conduit.
X. Remove existing handhole.
Y. Cap and abandon existing conduit.
Z. Abandon existing vehicle detector.
a. Remove existing steel strain pole and all attached equipment.
b. Remove existing steel span wire and all attached equipment.
c. Remove existing cabinet and all attached equipment. Contact Signal Shop for removal.


The Traffic Group
The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601


### 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 |

Stop Lines and Crosswalks are to be installed by the Roadway Contractor and are detailed on separate Signing/Marking Plans

General Notes can be found on Sheet 2

These plans are approved for construction for a period of 1 year from the date of approval. Should construction not begin within this time frame, these plans shall be null and void without a re-review from the Traffic Engineering Design Division - SHA.

| APPROVALS | |
|---|---|
| TEAM LEADER | ORIGINAL ON FILE |
| ASST. DIV. CHIEF | |
| DIVISION CHIEF | |
| OFFICE DIRECTOR | |

| REVISIONS | |
|---|---|
| D Reconstruction due to geometric changes. Sept. 16, 2008 S.H.A. No.:BW9964B2 JJD | |
| C Replace Loop Detectors Dec. 12, 2006 due to new lane assignments. S.H.A. No.:BW9964B2 JJD | |
| B September 24,1997 Recut EB loop detector. S.H.A. No.:BW9964B2 JJD | |

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 223 at Old Alexandria Ferry Road/Dangerfield Rd

## TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE January 30, 1980 CONTRACT NO. P-671-501-385

DESIGNED BY R.E.A. & P.T.R.
DRAWN BY R.E.A. & P.T.R.
CHECKED BY
F.A.P. NO. N/A

COUNTY Prince George's
LOGMILE 16022308.56
T.I.M.S. NO. H-652
TOD NO.

DRAWING NO. TS - 1747-D SHEET NO. 1 OF 2

I:\2003\2003-0305\Dwg\MD 223-Old Alexandria Ferry\TS-MD 223-Old Alex Ferry-Dangerfield.dgn 9/16/2008