MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

D3-2 DUAL FACED (VARIABLE X 12") — Campus Ave. — 15

D3-2 DUAL FACED (VARIABLE X 12") — Washington Ave. — 16

R10-4(1) (9"X12") — 17,18 SUPPLIED BY CONTRACTOR

W3-3 (NEW) (36" x 36") — NEW — 19,20

R3-5R (30" x 36") — ONLY — 28

EXISTING SIGNS

21 22 23 24 25,27 26

SIGNAL HEAD AND SIGN DIMENSIONS N.T.S.

PROPOSED SIGNALS

8" R Y G — 1,2,3,4,5,6,7,8

12" — 9,10,11,12,13,14

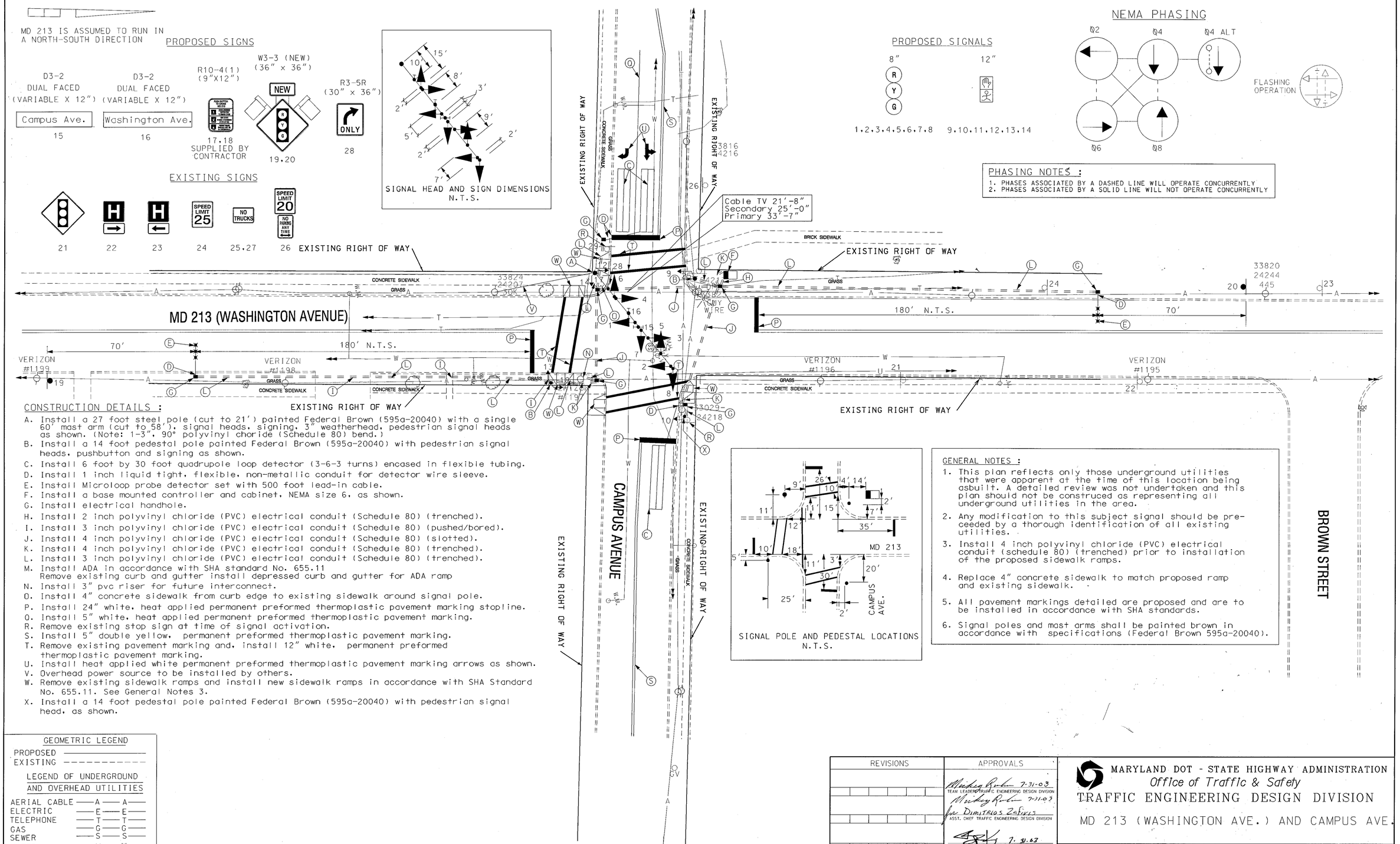
NEMA PHASING

Ø2 Ø4 Ø4 ALT Ø6 Ø8

FLASHING OPERATION

PHASING NOTES :

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



CONSTRUCTION DETAILS :

A. Install a 27 foot steel pole (cut to 21') painted Federal Brown (595a-20040) with a single 60' mast arm (cut to 58'), signal heads, signing, 3" weatherhead, pedestrian signal heads as shown. (Note: 1-3", 90° polyvinyl choride (Schedule 80) bend.)
B. Install a 14 foot pedestal pole painted Federal Brown (595a-20040) with pedestrian signal heads, pushbutton and signing as shown.
C. Install 6 foot by 30 foot quadrupole loop detector (3-6-3 turns) encased in flexible tubing.
D. Install 1 inch liquid tight, flexible, non-metallic conduit for detector wire sleeve.
E. Install Microloop probe detector set with 500 foot lead-in cable.
F. Install a base mounted controller and cabinet, NEMA size 6, as shown.
G. Install electrical handhole.
H. Install 2 inch polyvinyl chloride (PVC) electrical conduit (Schedule 80) (trenched).
I. Install 3 inch polyvinyl chloride (PVC) electrical conduit (Schedule 80) (pushed/bored).
J. Install 4 inch polyvinyl chloride (PVC) electrical conduit (Schedule 80) (slotted).
K. Install 4 inch polyvinyl chloride (PVC) electrical conduit (Schedule 80) (trenched).
L. Install 3 inch polyvinyl chloride (PVC) electrical conduit (Schedule 80) (trenched).
M. Install ADA in accordance with SHA standard No. 655.11
Remove existing curb and gutter install depressed curb and gutter for ADA ramp
N. Install 3" pvc riser for future interconnect.
O. Install 4" concrete sidewalk from curb edge to existing sidewalk around signal pole.
P. Install 24" white, heat applied permanent preformed thermoplastic pavement marking stopline.
Q. Install 5" white, heat applied permanent preformed thermoplastic pavement marking.
R. Remove existing stop sign at time of signal activation.
S. Install 5" double yellow, permanent preformed thermoplastic pavement marking.
T. Remove existing pavement marking and, install 12" white, permanent preformed thermoplastic pavement marking.
U. Install heat applied white permanent preformed thermoplastic pavement marking arrows as shown.
V. Overhead power source to be installed by others.
W. Remove existing sidewalk ramps and install new sidewalk ramps in accordance with SHA Standard No. 655.11. See General Notes 3.
X. Install a 14 foot pedestal pole painted Federal Brown (595a-20040) with pedestrian signal head, as shown.

SIGNAL POLE AND PEDESTAL LOCATIONS N.T.S.

GENERAL NOTES :

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construced as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceeded by a thorough identification of all existing utilities.
3. Install 4 inch polyvinyl chloride (PVC) electrical conduit (schedule 80) (trenched) prior to installation of the proposed sidewalk ramps.
4. Replace 4" concrete sidewalk to match proposed ramp and existing sidewalk.
5. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
6. Signal poles and mast arms shall be painted brown in accordance with specifications (Federal Brown 595a-20040).

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—
UNDERGROUND UNKNOWN UTILITY —U— U—

REVISIONS	APPROVALS
	Michael Rudin 7-31-03 — TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	Michael Rudin 7-31-03 for DIMITRIOS ZAFIRIS — ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	7-31-03 — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	7/31 — DIRECTOR, TRAFFIC & SAFETY

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

MD 213 (WASHINGTON AVE.) AND CAMPUS AVE.

DRAWN BY:	K. JIANG	F.A.P. NO.	XX1065185	TS NO. 4245	SHEET NO.
CHECKED BY:	S. SCOTT	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	KENT	T.I.M.S. NO. F245	1 OF 2
DATE:	07-07-03	LOG MILE:	14021300.74		