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

EXISTING SIGNAL HEADS

9.10
R Y G
12"

EXISTING SIGNS TO BE RELOCATED

11.13.14.16
Whitehall RD
D3-2 DUAL FACED SIGN (VARIABLE X 16")

PROPOSED SIGNAL HEADS

1.4: Y R Y G G — 8'/12"
2.5: R Y Y G G — 12"
3.6.7.8: R Y G — 12"

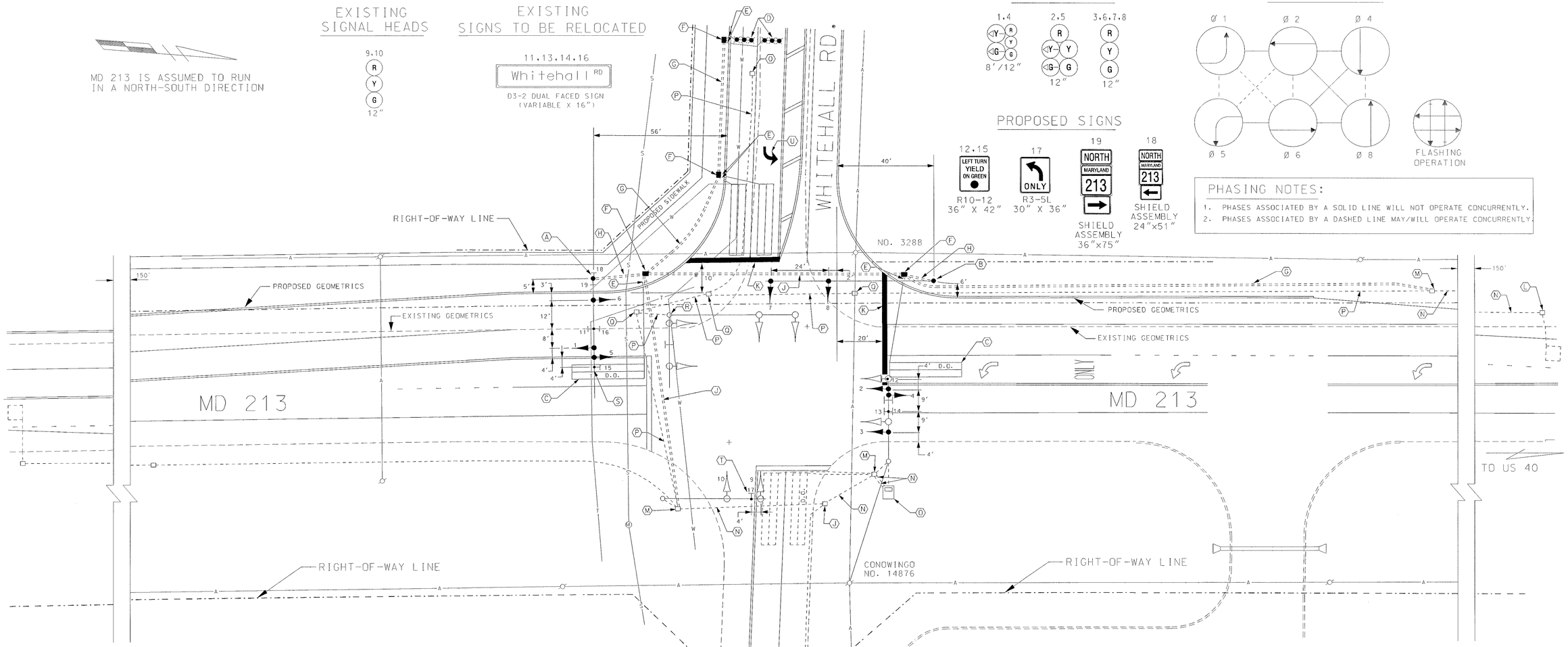
PROPOSED SIGNS

12.15 — LEFT TURN YIELD ON GREEN — R10-12 36" X 42"
17 — ONLY — R3-5L 30" X 36"
19 — NORTH MARYLAND 213 — SHIELD ASSEMBLY 36"x75"
18 — NORTH MARYLAND 213 — SHIELD ASSEMBLY 24"x51"

NEMA PHASING

PHASING NOTES:

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



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, (NOTE: 2-3 IN., 90 DEGREE PVC CONDUIT BENDS) CUT POLE TO 21 FT. HEIGHT
B. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM AND SIGNAL HEADS (NOTE: 2-3 IN., 90 DEGREE PVC CONDUIT BENDS) CUT POLE TO 21 FT. HEIGHT
C. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
D. INSTALL MICROLOOP PROBE SET (500 FT. LEAD-IN LENGTH)
E. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT (DETECTOR SLEEVE)
F. INSTALL HANDHOLE
G. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELETRICAL CONDUIT (TRENCHED)
H. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELETRICAL CONDUIT (TRENCHED)
J. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELETRICAL CONDUIT (BORED)
K. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS
L. SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR CABLE IN HANDHOLE
M. USE EXISTING HANDHOLE
N. USE EXISTING CONDUIT
O. USE EXISTING BASE MOUNTED CABINET
P. CAP AND ABANDON EXISTING CONDUIT
Q. REMOVE EXISTING HANDHOLE
R. REMOVE EXISTING STEEL POLE, MAST ARM AND SIGNAL HEADS
S. CUT, CLEAN, GALVANIZE AND CAP MAST ARM
T. INSTALL SIGN ON EXISTING MAST ARM
U. INSTALL NEW "ARROW" AND "ONLY" PAVEMENT MARKINGS (SEE TABLE)

NOTES:

1. INSTALL PRESENCE LOOP DETECTORS 1 FT. BEHIND STOPLINES
2. INSTALL DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS
3. "D.O." INDICATES DELAY OUTPUT
4. DISCONNECT AND ABANDON EASTBOUND WHITEHALL ROAD LOOP DETECTORS
5. UNLESS OTHERWISE NOTED, ALL EXISTING EQUIPMENT WILL BE USED

LANE DROP PAVEMENT MARKING LOCATION TABLE

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROW	50'
ONLY	90'
LEFT ARROW	130'

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS	APPROVALS
D 8-8-01 REPLACE EQUIPMENT DUE TO WIDENING — TMZ	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
C 4-1-98 WIDEN WESTBOUND WHITEHALL ROAD APPROACH — TMZ	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 SIGNALIZATION
MD 213 AND WHITEHALL ROAD

DRAWN BY:	J.E.H.	F.A.P. NO.		TS NO. 3323D	SHEET NO.
CHECKED BY:	J.F.L	S.H.A. NO.			
SCALE:	1"=20'	COUNTY:	CECIL	T.I.M.S. NO. E 455	1 OF 2
DATE:	APRIL 1993	LOG MILE:	07021317.85		

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