EXISTING SIGNALS & SIGNS

1,2,3,6,7 | 4,5,8,9,12,15 | 10,13 | 11,14 | 16-21 | 22,23,25,34 | 24a,24b,26a,26b | 27,35 | 28 | 31

Northview Drive — D3-2 16" x 50" (Dual Faced Sign)

R3-5(L) 36" x 42" | R3-5(R) 36" x 42" | R10-11b 24" x 24" | R3-5b 30" x 60"

MD 197 RUNS IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

29 | 30 | 32 | 33

SOUTH MARYLAND 197 — ASSOCIATED SHIELD ASSEMBLY SIGN 30" x 51"

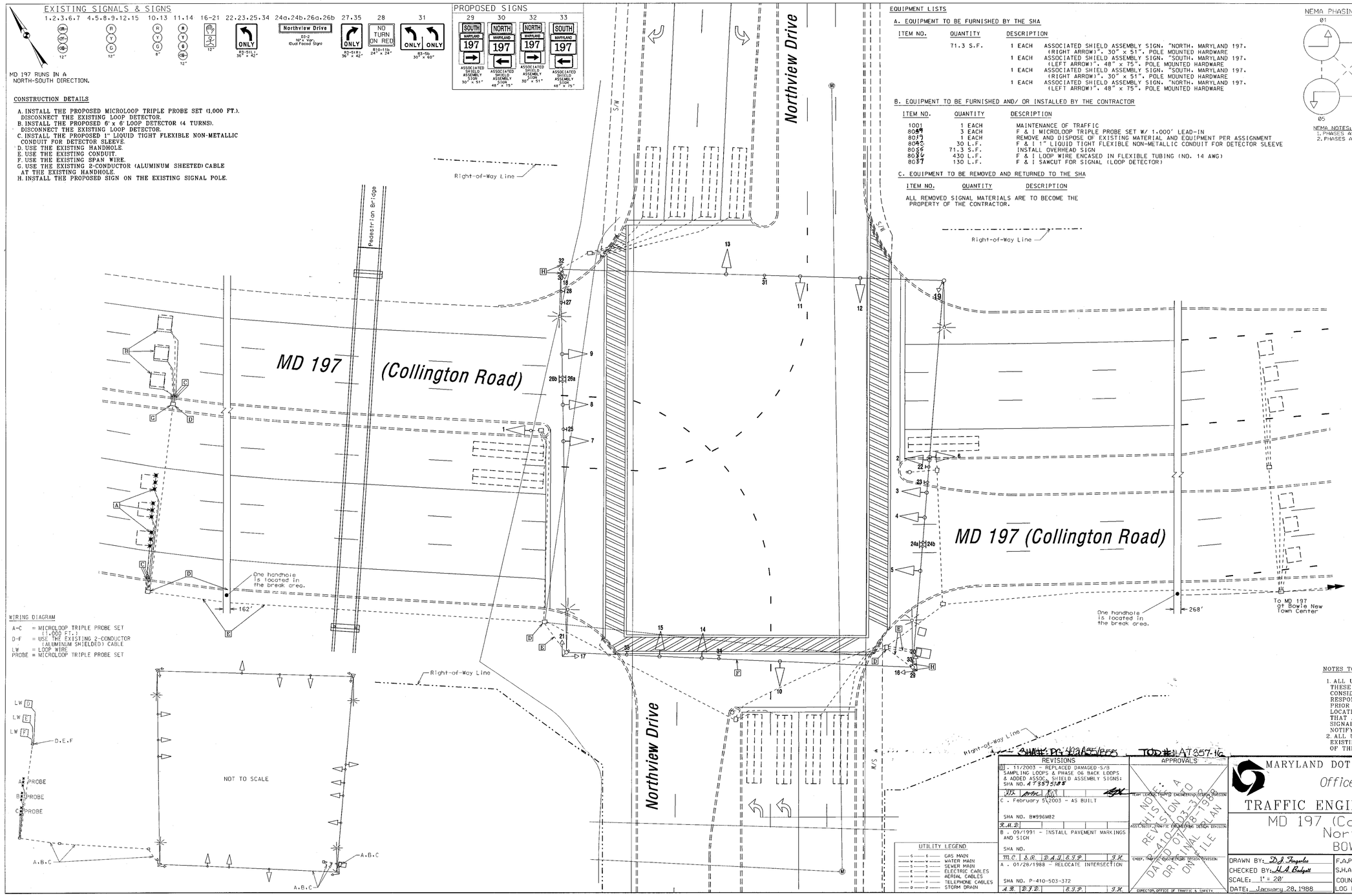
NORTH MARYLAND 197 — ASSOCIATED SHIELD ASSEMBLY SIGN 48" x 75"

NORTH MARYLAND 197 — ASSOCIATED SHIELD ASSEMBLY SIGN 30" x 51"

SOUTH MARYLAND 197 — ASSOCIATED SHIELD ASSEMBLY SIGN 48" x 75"

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED MICROLOOP TRIPLE PROBE SET (1,000 FT.). DISCONNECT THE EXISTING LOOP DETECTOR.
B. INSTALL THE PROPOSED 6' x 6' LOOP DETECTOR (4 TURNS). DISCONNECT THE EXISTING LOOP DETECTOR.
C. INSTALL THE PROPOSED 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
D. USE THE EXISTING HANDHOLE.
E. USE THE EXISTING CONDUIT.
F. USE THE EXISTING SPAN WIRE.
G. USE THE EXISTING 2-CONDUCTOR (ALUMINUM SHEETED) CABLE AT THE EXISTING HANDHOLE.
H. INSTALL THE PROPOSED SIGN ON THE EXISTING SIGNAL POLE.



WIRING DIAGRAM

A-C = MICROLOOP TRIPLE PROBE SET (1,000 FT.)
D-F = USE THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
LW = LOOP WIRE
PROBE = MICROLOOP TRIPLE PROBE SET

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	71.3 S.F.	1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "NORTH. MARYLAND 197. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "SOUTH. MARYLAND 197. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "SOUTH. MARYLAND 197. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "NORTH. MARYLAND 197. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8049	3 EACH	F & I MICROLOOP TRIPLE PROBE SET W/ 1,000' LEAD-IN
8019	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8042	30 L.F.	F & I 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8066	71.3 S.F.	INSTALL OVERHEAD SIGN
8044	430 L.F.	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8027	130 L.F.	F & I SAWCUT FOR SIGNAL (LOOP DETECTOR)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.		

NEMA PHASING:

Ø1 | Ø2 | Ø3 | Ø4 | Ø5 | Ø6 | Ø3 ALT. | Ø4 ALT. | FLASHING OPERATION

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

PHASE CHART

THERE IS NO CHANGE IN THE PHASE CHART

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 513-7350

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

NOTES TO THE CONTRACTOR

1. 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.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF THESE EXISTING CABLES.

SHEET PG 4A/4B/5A/5B — TOD # AT357-16

UTILITY LEGEND

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

REVISIONS

D. 11/2003 - REPLACED DAMAGED S/B SAMPLING LOOPS & PHASE 06 BACK LOOPS & ADDED ASSOC. SHIELD ASSEMBLY SIGNS: SHA NO. AT357516S
W.D.K. | Arthur Kott | | | ASSIST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
C. February 5, 2003 - AS BUILT
SHA NO. BW996M82
R.M.B.
B. 09/1991 - INSTALL PAVEMENT MARKINGS AND SIGN
SHA NO.
M.C. | S.R. | D.A.S. | B.S.P. | S.K.
A. 01/28/1988 - RELOCATE INTERSECTION
SHA NO. P-410-503-372
A.S. | D.J.D. | B.S.P. | S.K.

APPROVALS

ASSISTANT CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

NOTE: A REVISION TO THIS PLAN WAS MADE ON 03-3-03 DATED OCTOBER 1988 ORIGINAL PLAN ON FILE

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

MD 197 (Collington Road) and Northview Drive
BOWIE, MARYLAND

DRAWN BY: D.J. Fingerlos	F.A.P. NO.	T.S. NO.	SHEET NO.
CHECKED BY: M.A. Rodgett	S.H.A. NO. P-410-503-372	TS-2264 D	
SCALE: 1" = 20'	COUNTY PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: January 28, 1988	LOG MILE 16.019/01.22	F937	1 OF 1