DRILL HOLES

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BORDER REV: DATE: June 1, 2004

MD 151 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

15 — Wise AVE — D3-2 (DUAL FACED) VARIABLE X 16"

16 — LEFT TURN YIELD ON GREEN — R10-12 36" x 42"

17 — ONLY — R3-5R 30" x 36"

18 — North Pt. BLVD — D3-2 (DUAL-FACED) VARIABLE X 16"

19 — SOUTH, MARYLAND 151 — M3-3 24"x 12", M1-6 30"x 24", M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

20 — NORTH, MARYLAND 151 — M3-1 30"x 15", M1-6 48"x 36", M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

PROPOSED VIDEO DETECTION CAMERA A,B,C,D

EXISTING SIGNALS

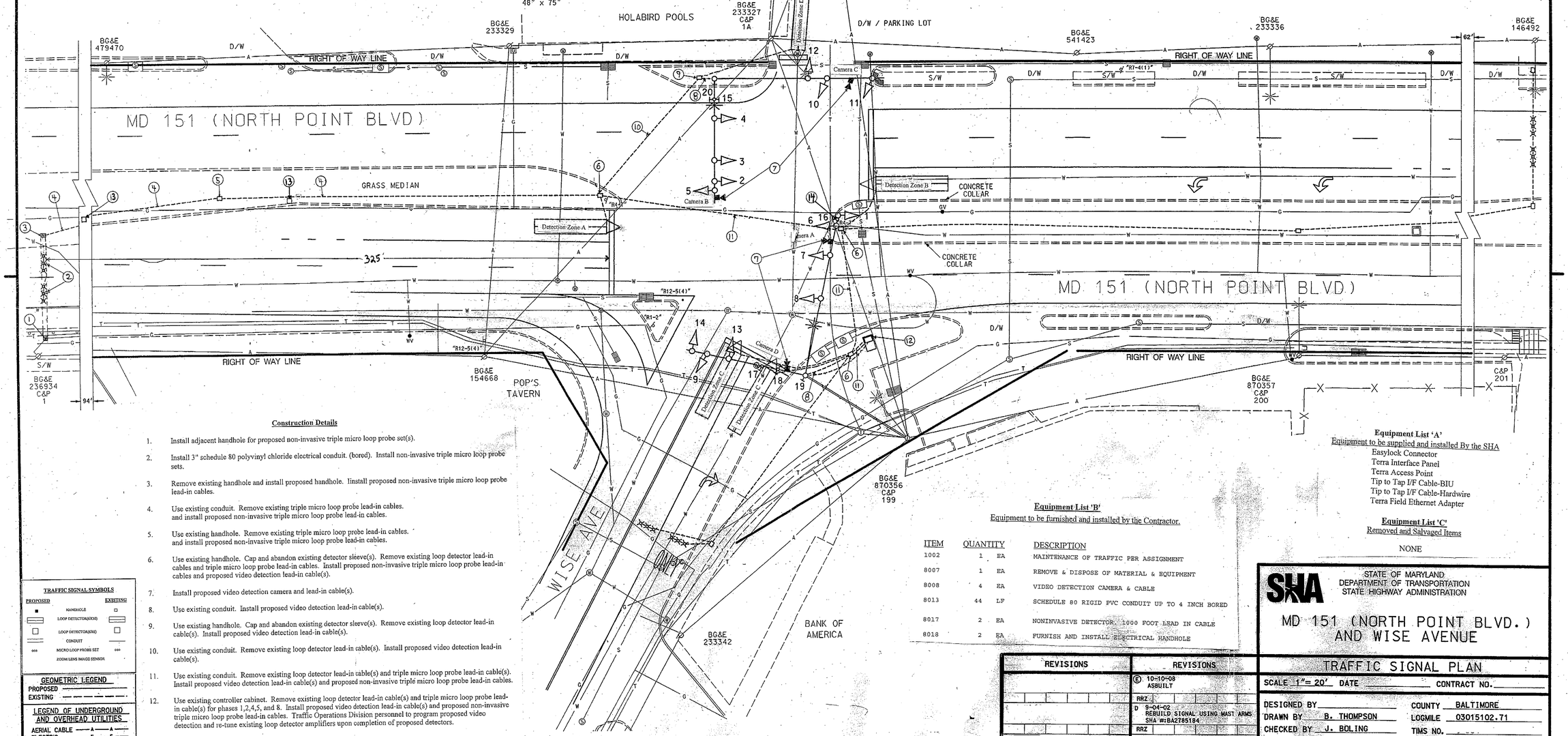
1,2 — 12"; 3,4,7,8 10,13,14 — 12"; 5 — 12" 8"; 6 — 12"; 9,12 — 8"; 11 — 12"

NEMA PHASING

Ø1 Ø2 Ø4 Ø5 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

1. Install adjacent handhole for proposed non-invasive triple micro loop probe set(s).
2. Install 3" schedule 80 polyvinyl chloride electrical conduit. (bored). Install non-invasive triple micro loop probe sets.
3. Remove existing handhole and install proposed handhole. Install proposed non-invasive triple micro loop probe lead-in cables.
4. Use existing conduit. Remove existing triple micro loop probe lead-in cables. and install proposed non-invasive triple micro loop probe lead-in cables.
5. Use existing handhole. Remove existing triple micro loop probe lead-in cables. and install proposed non-invasive triple micro loop probe lead-in cables.
6. Use existing handhole. Cap and abandon existing detector sleeve(s). Remove existing loop detector lead-in cables and triple micro loop probe lead-in cables. Install proposed non-invasive triple micro loop probe lead-in cables and proposed video detection lead-in cable(s).
7. Install proposed video detection camera and lead-in cable(s).
8. Use existing conduit. Install proposed video detection lead-in cable(s).
9. Use existing handhole. Cap and abandon existing detector sleeve(s). Remove existing loop detector lead-in cable(s). Install proposed video detection lead-in cable(s).
10. Use existing conduit. Remove existing loop detector lead-in cable(s). Install proposed video detection lead-in cable(s).
11. Use existing conduit. Remove existing loop detector lead-in cable(s) and triple micro loop probe lead-in cable(s). Install proposed video detection lead-in cable(s) and proposed non-invasive triple micro loop probe lead-in cables.
12. Use existing controller cabinet. Remove existing loop detector lead-in cable(s) and triple micro loop probe lead-in cable(s) for phases 1,2,4,5, and 8. Install proposed video detection lead-in cable(s) and proposed non-invasive triple micro loop probe lead-in cables. Traffic Operations Division personnel to program proposed video detection and re-tune existing loop detector amplifiers upon completion of proposed detectors.
13. Remove abandoned handhole.
14. Remove R10-12 sign.

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
	LOOP DETECTOR(6X30)	
□	LOOP DETECTOR(6X6)	□
	CONDUIT	
000	MICRO LOOP PROBE SET	000
	ZOOM LENS IMAGE SENSOR	

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

Equipment List 'A'

Equipment to be supplied and installed By the SHA

Easylock Connector
Terra Interface Panel
Terra Access Point
Tip to Tap I/F Cable-BIU
Tip to Tap I/F Cable-Hardwire
Terra Field Ethernet Adapter

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1002	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8007	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT
8008	4	EA	VIDEO DETECTION CAMERA & CABLE
8013	44	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH BORED
8017	2	EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8018	2	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

Equipment List 'C'

Removed and Salvaged Items

NONE

REVISIONS	REVISIONS
	E 10-10-08 ASBUILT RRZ
	D 9-04-02 REBUILD SIGNAL USING MAST ARMS SHA #:BA2785184 RRZ
F April 2011 Upgrade to Video Detection XX6485185 TIMS: L033	C REPLACE CONTROLLER AND CABINET. ADD PHONE DROP MAR

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 151 (NORTH POINT BLVD.) AND WISE AVENUE

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE CONTRACT NO.

DESIGNED BY
DRAWN BY B. THOMPSON
CHECKED BY J. BOLING
F.A.P. NO.

COUNTY BALTIMORE
LOGMILE 03015102.71
TIMS NO.
TOD NO.

TS NO. 617 | DRAWING NO. 1 OF 1 | SHEET NO. OF

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