SB I-270 RAMPS ARE ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

PROPOSED SIGNS/SIGNALS

1,2,3,4 — R, Y, G — 12"

5,6 — R, Y, G — 12"

7,8 — ONLY — R3-5 30" X 36"

VIDEO DETECTOR 9-11 [7]

NEMA PHASING

Ø2 Ø3 Ø6 Ø7

FLASHING OPERATION

PHASING NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

[7]

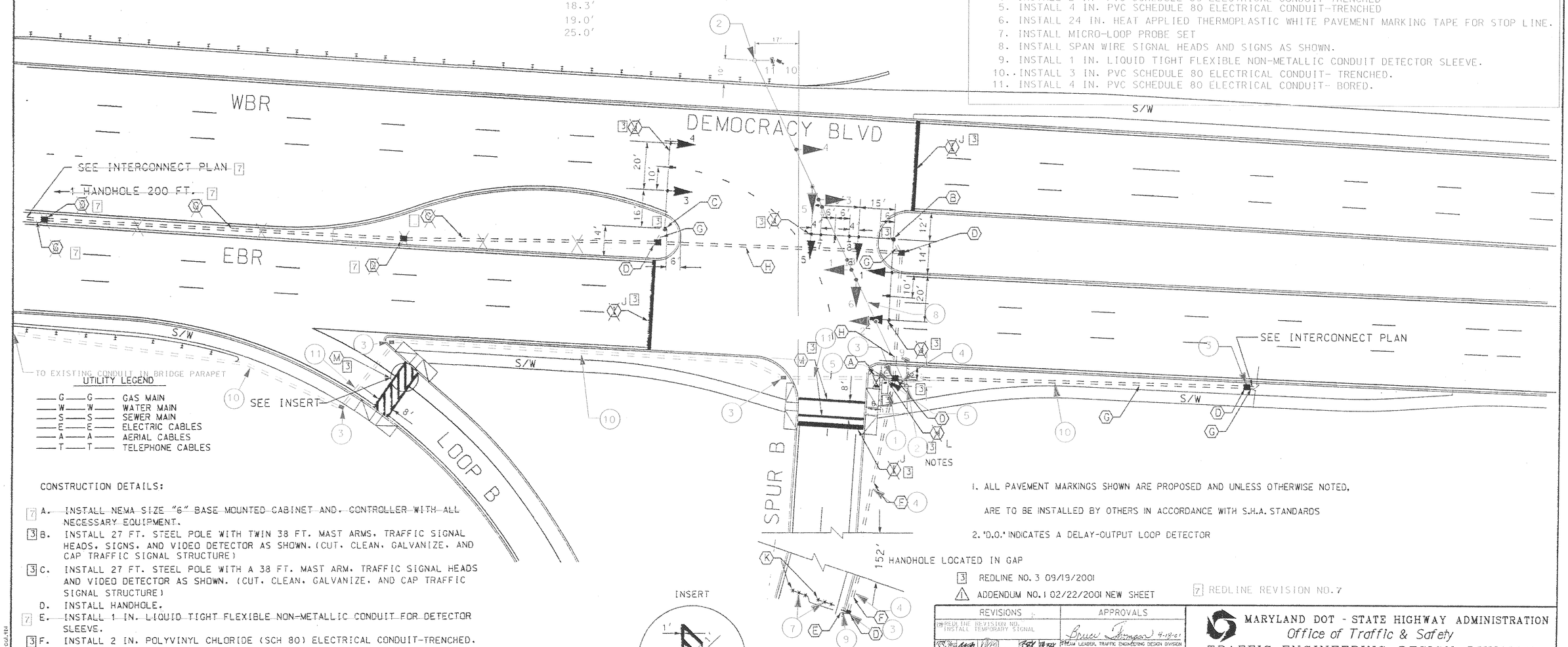
1. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.
2. INSTALL WOOD POLE WITH A 10' STREET LIGHTING ARM AND VIDEO DETECTOR AS SHOWN.
3. INSTALL HANDHOLE
4. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED
5. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED
6. INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING TAPE FOR STOP LINE.
7. INSTALL MICRO-LOOP PROBE SET
8. INSTALL SPAN WIRE SIGNAL HEADS AND SIGNS AS SHOWN.
9. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT DETECTOR SLEEVE.
10. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED.
11. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- BORED.

NOTE:

UNDERGROUND HIGH VOLTAGE LINE IN THIS AREA.

WIRE HEIGHTS

18.3'
19.0'
25.0'



UTILITY LEGEND

- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN
- E — E — ELECTRIC CABLES
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES

CONSTRUCTION DETAILS:

[7] A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.

[3] B. INSTALL 27 FT. STEEL POLE WITH TWIN 38 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, AND VIDEO DETECTOR AS SHOWN. (CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE)

[3] C. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND VIDEO DETECTOR AS SHOWN. (CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE)

D. INSTALL HANDHOLE.

[7] E. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

[3] F. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH 80) ELECTRICAL CONDUIT-TRENCHED.

[3] G. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH 80) ELECTRICAL CONDUIT-SLOTTED.

[3] H. INSTALL 4 IN. POLYVINYL CHLORIDE (SCH 80) ELECTRICAL CONDUIT-SLOTTED.

[3] J. INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING FOR STOP LINE.

[3] ~~J. CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL MAST ARM.~~

[7] K. INSTALL MICRO-LOOP PROBE SET.

[3] L. INSTALL 4 IN. POLYVINYL CHLORIDE (SCH 80) ELECTRICAL CONDUIT-TRENCHED.

[3] M. INSTALL 12 IN. HEAT APPLID THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.

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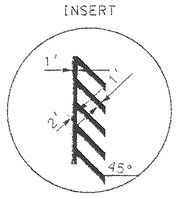

CROSSWALK DETAILS (TYP)

NOTES

1. ALL PAVEMENT MARKINGS SHOWN ARE PROPOSED AND UNLESS OTHERWISE NOTED, ARE TO BE INSTALLED BY OTHERS IN ACCORDANCE WITH S.H.A. STANDARDS
2. "D.O." INDICATES A DELAY-OUTPUT LOOP DETECTOR

[3] REDLINE NO. 3 09/19/2001

⚠ ADDENDUM NO. 1 02/22/2001 NEW SHEET

[7] REDLINE REVISION NO. 7

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
REDLINE REVISION NO. INSTALL TEMPORARY SIGNAL	Bruce Johnson 9-18-01 — TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	9/18/01 — ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

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

I-270 WEST SPUR AT
DEMOCRACY BOULEVARD AND WESTLAKE TERRACE
DEMOCRACY BLVD AT SPUR B - ULTIMATE SIGNAL

DRAWN BY:	MB	F.A.P. NO.	SEE TITLE SHEET	TS NO.	4054-I
CHECKED BY:	STB	S.H.A. NO.	M09025172		SHEET NO.
SCALE:	1"=20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	D 837
DATE:	MARCH 2001	LOG MILE:	I5Y27000.91		236 OF 296

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