MD 351 IS ASSUMED TO RUN IN AN NORTH/SOUTH DIRECTION

EXISTING SIGNS

31 NO TURN ON RED

21,23 LEFT TURN YIELD ON GREEN

29 ONLY

30, 28(TO BE RELOCATED) Ballenger Cr

22,24 Crestwood Blvd

SIGNS

27 NO TURN ON RED R10-11(b) 24"x24"

25,26 ONLY R3-5(l) 30"x36"

Construction Details

1. Use existing mast arm and upright. Install proposed video detection camera and video detection lead-in cable.
2. Use existing conduit. Install proposed video detection lead-in cable.
3. Use existing handhole. Install proposed video detection lead-in cable.
4. Use existing handhole. Cap and abandon existing detector sleeve. Remove existing loop detector lead- in cable(s) for left turn detectors and install proposed video detection lead-in cable(s).
5. Use existing conduit. Remove existing loop detector lead-in cable(s) and install proposed video detection lead-in cable(s).
6. Use existing handhole. Remove existing loop detector lead-in cable and install proposed video detection lead-in cables.
7. Use existing controller cabinet. Remove existing loop detector lead-in cables for phases 1 & 5 and install proposed video detection lead-in cables. TOD personnel will install and program video detection interface equipment.
8. Remove stop line and replace in accordance to SHA Standards.

Equipment List 'A'
Equipment to be supplied by the S.H.A.
And installed by the Contractor

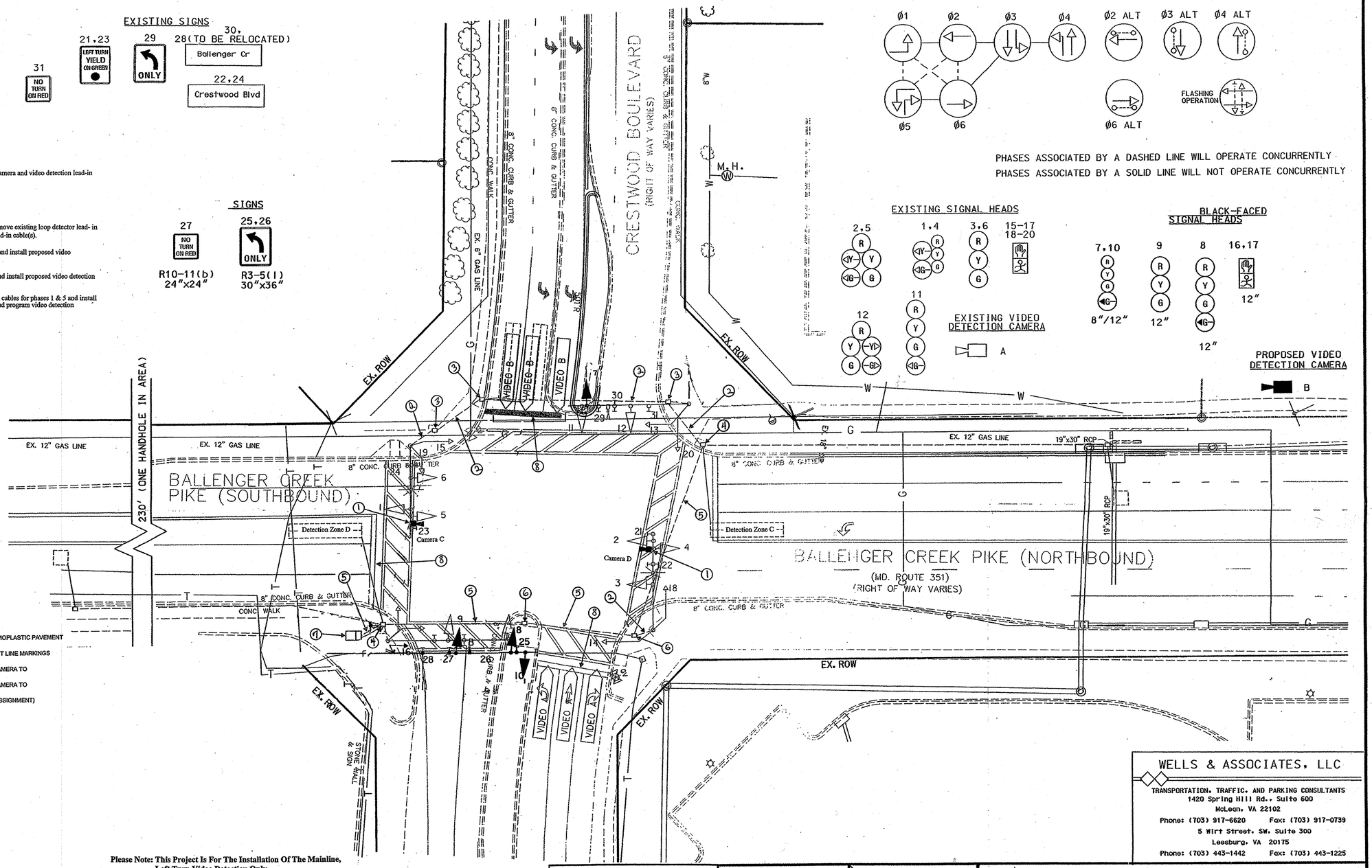
NONE

Equipment List 'B'
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	120	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	120	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8016	1	EA	CONTROL CABLE 300 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8017	1	EA	CONTROL CABLE 500 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8020	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8053	2	EA	VIDEO DETECTION CAMERA

Equipment List 'C'
Removed and Salvaged Items

NONE



EXISTING NEMA PHASING (TO REMAIN)

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

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EXISTING SIGNAL HEADS

2,5 1,4 3,6 15-17 18-20 12 11

EXISTING VIDEO DETECTION CAMERA A

BLACK-FACED SIGNAL HEADS

7,10 8"/12" 9 12" 8 12" 16,17 12"

PROPOSED VIDEO DETECTION CAMERA B

Please Note: This Project Is For The Installation Of The Mainline, Left Turn Video Detection Only.

UTILITY LEGEND

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

TRAFFIC SIGNAL SYMBOLS

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

REVISIONS

6	Install Video Detection 23855T25103 11/05	OT-2005-8	
5	GEOMETRIC IMPROVEMENTS TO IMPROVE EASTBOUND DUAL LEFT TURNS. REPLACE POLE IN SOUTHEAST QUADRANT. BW996M82 02/05	WTB	
4	PROVIDE PEDESTRIAN PUSHBUTTONS AND INDICATIONS FOR THE SOUTH, EAST, AND WEST LEGS. SHA-FR3465179	TMH	

APPROVALS

ORIGINAL
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ON
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

FILE
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

WELLS & ASSOCIATES, LLC
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1420 Spring Hill Rd., Suite 600
McLean, VA 22102
Phone: (703) 917-6620 Fax: (703) 917-0739
5 Wirt Street, SW, Suite 300
Leesburg, VA 20175
Phone: (703) 443-1442 Fax: (703) 443-1225

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL MODIFICATION PLAN
BALLENGER CREEK PIKE (MD 351)
AT CRESTWOOD BOULEVARD

DRAWN BY:	K. HUGHS	F.A.P. NO.		TS NO. 3488 C	SHEET NO.
CHECKED BY:	D. DICKERSON	S.H.A. NO.	BW-780-802-712		
SCALE:	1"=20'	COUNTY:	FREDERICK	T.I.M.S. NO. H.335	OF
DATE:	MARCH, 1995	LOG MILE:	10035100.61		

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