MD 155 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

CONSTRUCTION DETAILS

A. INSTALL 30 FT. STEEL STRAIN POLE WITH VIDEO DETECTION CAMERA MOUNTED 30 FT. ABOVE GRADE ON STRAIN POLE, ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 VOLTS, 60 AMPS), SIGN (SEE INSTALLATION DETAIL 'A'), POLE MOUNTED CABINET AND CONTROLLER WITH 3 FT. x 4 FT. x 4 IN. CONCRETE PAD. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, SIGNAL HEADS AND SIGN (SEE INSTALLATION DETAIL 'B'). INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.
C. INSTALL HANDHOLE.
D. PROPOSED OVERHEAD ELECTRICAL SERVICE.
E. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY VERIZON FORCES.
F. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
G. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
H. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. REMOVE EXISTING SIGN AND SUPPORTS.
L. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

PROPOSED SIGNS

3
W7-1 (B/FY) (48" X 48")
8% GRADE 1/4 MILE
W7-3b(1) (B/FY) (36" X 48")

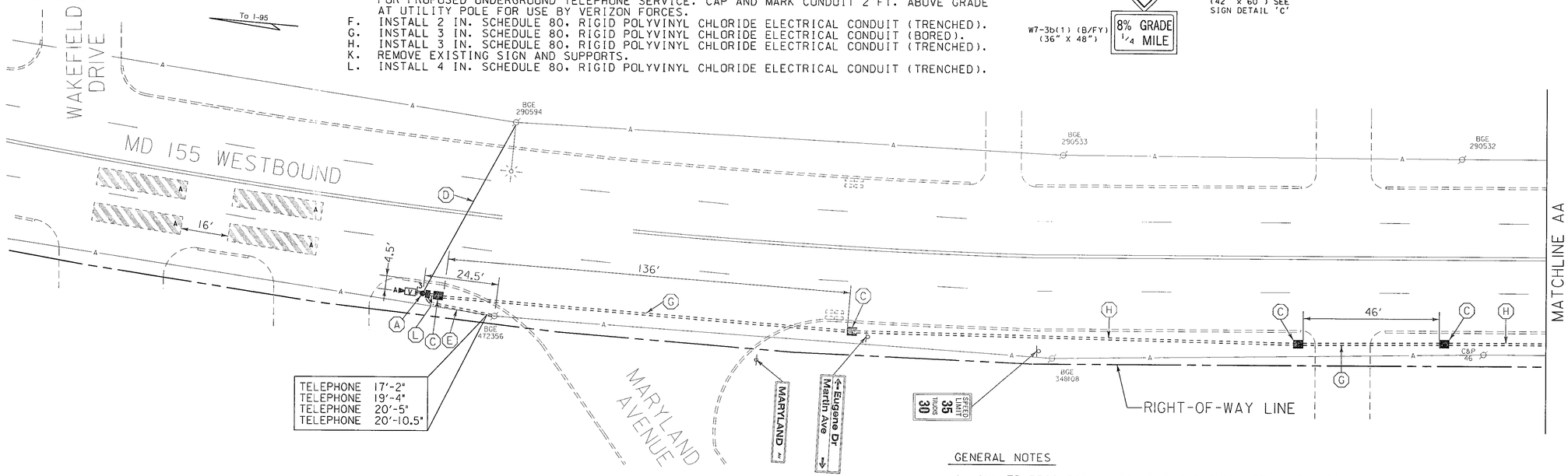
4
TRUCKS SPEED TOO FAST
WHEN FLASHING
(42" x 60") SEE SIGN DETAIL 'C'

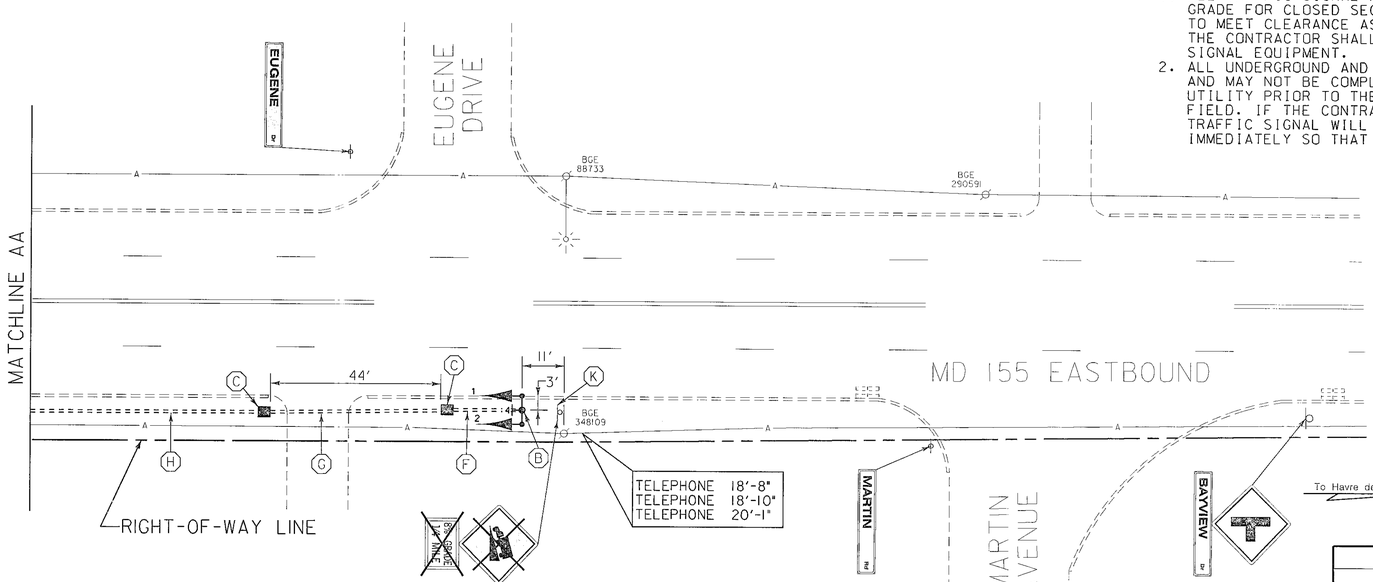
PROPOSED VIDEO DETECTION CAMERA

A

PROPOSED SIGNAL HEADS

1,2
12"



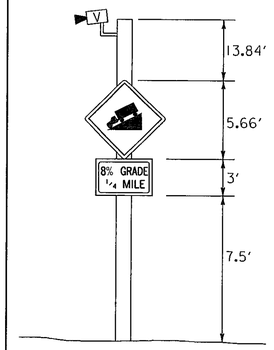


GENERAL NOTES

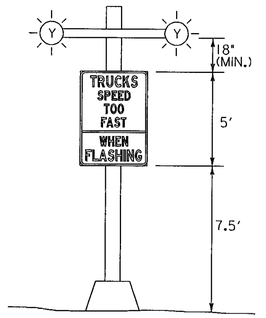
1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

TRUCK SPEED DETECTION AREA. EXACT SIZE AND LOCATION OF DETECTOR TO BE DETERMINED IN FIELD.

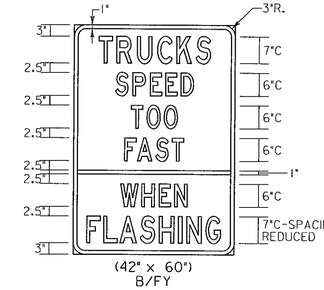
INSTALLATION DETAIL 'A'



INSTALLATION DETAIL 'B'



SIGN DETAIL 'C'



HAR89A51(851 TS#: AT582-11

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

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Baltimore, Maryland 21231
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REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 10-5-04
ASST. TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY — 10/5/04

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

EASTBOUND MD 155 AUTOMATIC TRUCK DETECTION WARNING SYSTEM

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO.		
CHECKED BY: N. LEARY	S.H.A. NO.	AT5825185			SHEET NO.
SCALE: 1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO.	6283	1 OF 2
DATE: 9/27/2004	LOG MILE:				

M:\3149277\g283sp01.dgn