MD 135 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNAL HEADS

1, 2

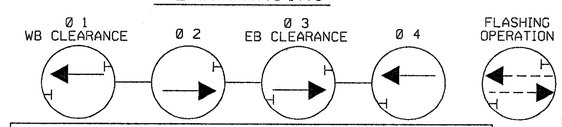
R
Y
G

12"

LEGEND

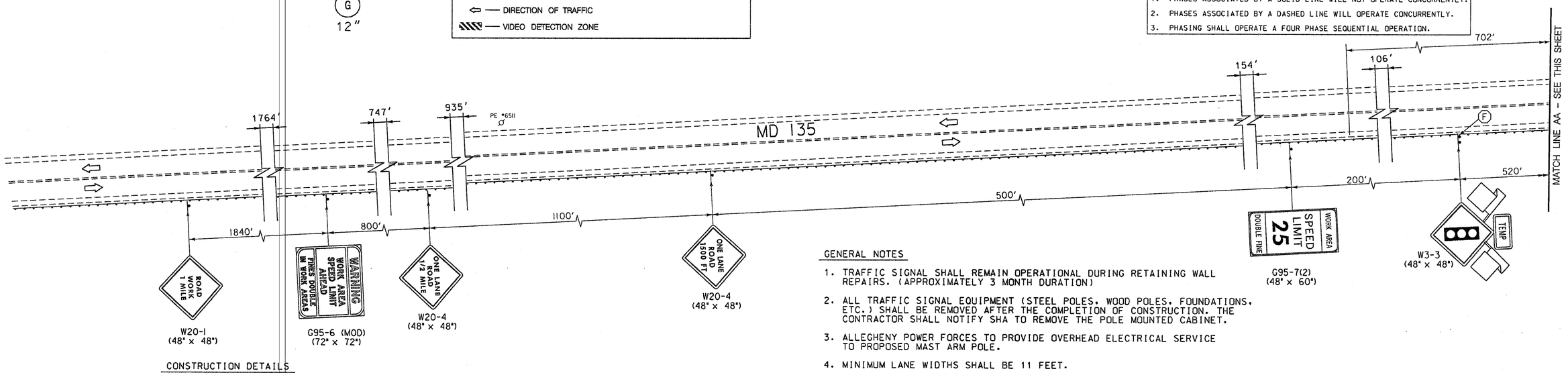
- EXISTING SIGN AND SUPPORTS
- PLASTIC DRUMS
- PROPOSED SIGNAL HEAD
- TEMPORARY CONCRETE BARRIER
- TEMPORARY CRASH CUSHION (SAND FILLED PLASTIC DRUMS)
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
3. PHASING SHALL OPERATE A FOUR PHASE SEQUENTIAL OPERATION.



GENERAL NOTES

1. TRAFFIC SIGNAL SHALL REMAIN OPERATIONAL DURING RETAINING WALL REPAIRS. (APPROXIMATELY 3 MONTH DURATION)
2. ALL TRAFFIC SIGNAL EQUIPMENT (STEEL POLES, WOOD POLES, FOUNDATIONS, ETC.) SHALL BE REMOVED AFTER THE COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SHA TO REMOVE THE POLE MOUNTED CABINET.
3. ALLEGHENY POWER FORCES TO PROVIDE OVERHEAD ELECTRICAL SERVICE TO PROPOSED MAST ARM POLE.
4. MINIMUM LANE WIDTHS SHALL BE 11 FEET.
5. 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.

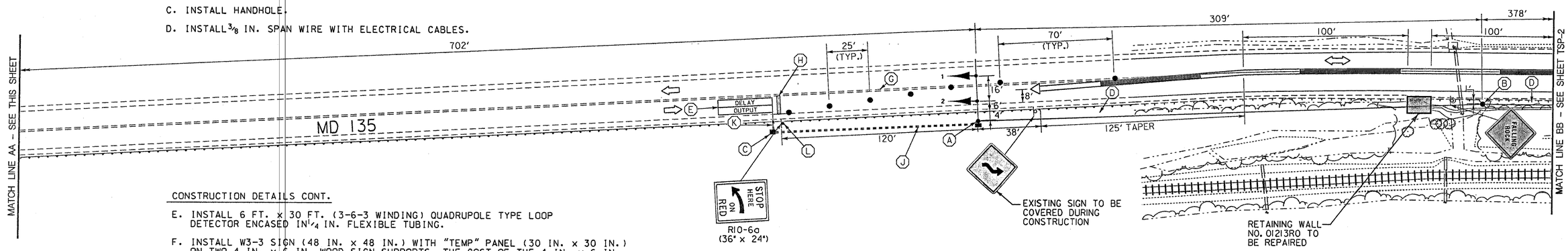
CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 38 FT MAST ARM, TRAFFIC SIGNAL HEADS, POLE MOUNTED CABINET AND CONTROLLER, ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS, 60 AMPS, 1 IN. GALVANIZED RISER FOR TELEPHONE SERVICE AND 3 IN. WEATHERHEAD. (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS).

B. INSTALL 50 FT. CLASS II WOOD POLE.

C. INSTALL HANDHOLE.

D. INSTALL 3/8 IN. SPAN WIRE WITH ELECTRICAL CABLES.



CONSTRUCTION DETAILS CONT.

E. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.

F. INSTALL W3-3 SIGN (48 IN. x 48 IN.) WITH "TEMP" PANEL (30 IN. x 30 IN.) ON TWO 4 IN. x 6 IN. WOOD SIGN SUPPORTS. THE COST OF THE 4 IN. x 6 IN. WOOD SIGN SUPPORTS WILL NOT BE MEASURED BUT WILL BE INCIDENTAL TO THE SQUARE FOOT COST FOR TEMPORARY TRAFFIC SIGNS.

G. INSTALL 8 IN. REMOVABLE PATTERNED BLACK LINE MASK TAPE FOR MAINTENANCE OF TRAFFIC TO COVER EXISTING DOUBLE YELLOW CENTERLINE EAST AND WEST OF STOP LINE AS DIRECTED BY THE ENGINEER.

H. INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING.

J. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.

K. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)

L. INSTALL R10-6a SIGN (36 IN. x 24 IN.) MOUNTED ON ONE 4 IN. x 4 IN. WOOD SIGN SUPPORT. THE COST OF THE 4 IN. x 4 IN. WOOD SIGN SUPPORT WILL NOT BE MEASURED BUT WILL BE INCIDENTAL TO THE SQUARE FOOT COST FOR TEMPORARY TRAFFIC SIGNS.

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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REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 10-12-04

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 10.12.04

DIRECTOR, TRAFFIC & SAFETY — 10-12-04

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TEMPORARY TRAFFIC SIGNAL PLAN
RETAINING WALL REPAIRS TO STRUCTURE NO. 01213RO ALONG MD 135 EBR @ MP 2.8

TSP-1

DRAWN BY:	B. DONOWAY	F.A.P. NO.		TS NO. 4354	SHEET NO.
CHECKED BY:	N. LEARY	S.H.A. NO.			OF
SCALE:	1" = 30'	COUNTY:	ALLEGHENY	T.I.M.S. NO. G 272	
DATE:	10/7/2004	LOG MILE:	01013502.50		

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