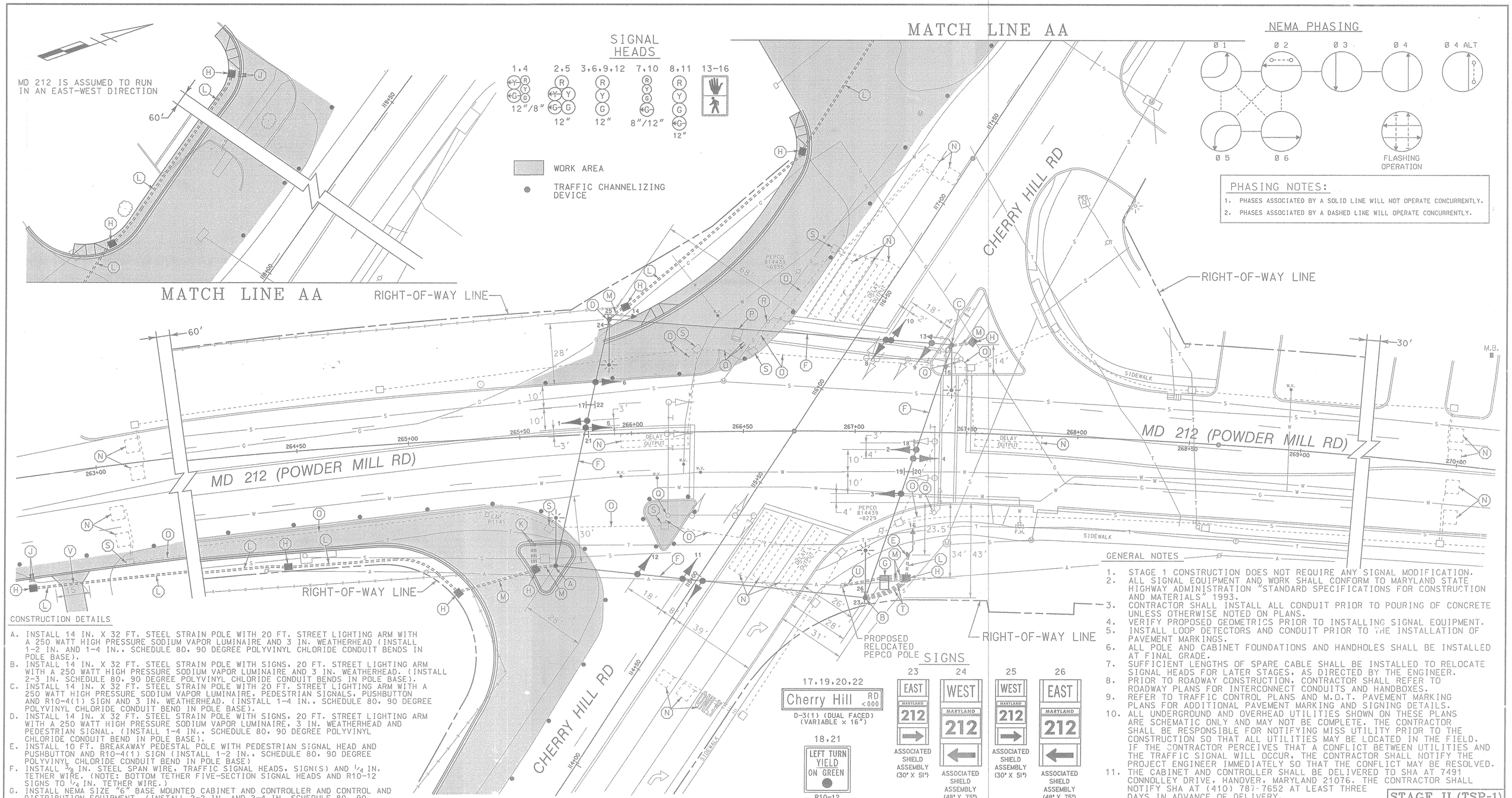

CONSTRUCTION DETAILS

A. INSTALL 14 IN. X 32 FT. STEEL STRAIN POLE WITH 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND 3 IN. WEATHERHEAD (INSTALL 1-2 IN. AND 1-4 IN., SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
B. INSTALL 14 IN. X 32 FT. STEEL STRAIN POLE WITH SIGNS, 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND 3 IN. WEATHERHEAD. (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
C. INSTALL 14 IN. X 32 FT. STEEL STRAIN POLE WITH 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE, PEDESTRIAN SIGNALS, PUSHBUTTON AND R10-4(1) SIGN AND 3 IN. WEATHERHEAD. (INSTALL 1-4 IN., SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
D. INSTALL 14 IN. X 32 FT. STEEL STRAIN POLE WITH SIGNS, 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE, 3 IN. WEATHERHEAD AND PEDESTRIAN SIGNAL. (INSTALL 1-4 IN., SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON AND R10-4(1) SIGN (INSTALL 1-2 IN., SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE)
F. INSTALL 3/8 IN. STEEL SPAN WIRE. TRAFFIC SIGNAL HEADS, SIGN(S) AND 1/4 IN. TETHER WIRE. (NOTE: BOTTOM TETHER FIVE-SECTION SIGNAL HEADS AND R10-12 SIGNS TO 1/4 IN. TETHER WIRE.)
G. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN CABINET BASE).
H. INSTALL HANDHOLE.
J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
K. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
L. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
M. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
N. ABANDON EXISTING LOOP DETECTOR.
O. ABANDON EXISTING CONDUIT.
P. REMOVE, SALVAGE AND DELIVER BASE MOUNTED CABINET AND CONTROLLER TO MDSHA. REMOVE FOUNDATION 12 IN. BELOW GRADE. DISCONNECT AND PULL BACK INTERCONNECT CABLE FROM EXISTING CONTROLLER TO HANDHOLE ON MD 212 AT STA. ± 273+50; 32' RT. AND COIL IN HANDHOLE.
Q. REMOVE EXISTING STEEL POLE, MAST ARM(S), SIGNAL HEADS AND SIGN(S). REMOVE FOUNDATION 12 IN. BELOW GRADE.
R. REMOVE EXISTING PEDESTAL POLE AND PEDESTRIAN SIGNAL. REMOVE FOUNDATION 12 IN. BELOW GRADE.
S. REMOVE EXISTING HANDHOLE.
T. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
U. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.
V. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).

GENERAL NOTES

1. STAGE 1 CONSTRUCTION DOES NOT REQUIRE ANY SIGNAL MODIFICATION.
2. ALL SIGNAL EQUIPMENT AND WORK SHALL CONFORM TO MARYLAND STATE HIGHWAY ADMINISTRATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS" 1993.
3. CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO POURING OF CONCRETE UNLESS OTHERWISE NOTED ON PLANS.
4. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
5. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
6. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
7. SUFFICIENT LENGTHS OF SPARE CABLE SHALL BE INSTALLED TO RELOCATE SIGNAL HEADS FOR LATER STAGES, AS DIRECTED BY THE ENGINEER.
8. PRIOR TO ROADWAY CONSTRUCTION, CONTRACTOR SHALL REFER TO ROADWAY PLANS FOR INTERCONNECT CONDUITS AND HANDBOXES.
9. REFER TO TRAFFIC CONTROL PLANS AND M.O.T. PAVEMENT MARKING PLANS FOR ADDITIONAL PAVEMENT MARKING AND SIGNING DETAILS.
10. 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.
11. THE CABINET AND CONTROLLER SHALL BE DELIVERED TO SHA AT 7491 CONNOLLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

STAGE II (TSP-1)

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS		
D	RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS STAGE II	8/99
NML		
C	SPLIT PHASE FOR CHERRY HILL RD	3/89
DJD		
B	RECUT LOOPS DUE TO INSTALL. OF RIGHT TURN LANE SHA. NO. BW-229-802-312	5/89
RZ		
A	ADD E/P LT PHASE FOR EB CHERRY HILL RD	3/89

APPROVALS

ORIGINAL ON FILE

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 212 (POWDER MILL RD) & CHERRY HILL RD

DRAWN BY:	W.RICHARDSON	F.A.P. NO.		TS NO. TS-1923D	SHEET NO.
CHECKED BY:	S.RENZI	S.H.A. NO.	P-736-501-376		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO.	57 OF
DATE:	1/1984	LOG MILE:			