F H WA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.			

EXISTING SIGNALS & SIGNS

2,5 — 12' — 12'
3,6-13 — 12' — 12'
14-17 — 12'
20,24 — LEFT TURN YIELD ON GREEN — R 10-12 36" x 42"
21a,21b,25a,25b — Bridge Street — D3-2 16" x Var.
26,28,30 — NO TURN ON RED. — R10-11b 24" x 24"

PROPOSED SIGNALS & SIGNS

1,4 — R 8", Y 8", G 8" — 12' — 12'
18,22 — LEFT TURN YIELD ON GREEN — R 10-12 36" x 42"
19 — SOUTH MD. 213 — ASSOCIATED SHIELD ASSEMBLY
23 — NORTH MD. 213 — ASSOCIATED SHIELD ASSEMBLY
27 — EAST MD. 279 — ASSOCIATED SHIELD ASSEMBLY
29 — WEST MD. 279 — ASSOCIATED SHIELD ASSEMBLY

OPTICOM PRE-EMPTION

PRE-EMPTION 1
PRE-EMPTION 2
PRE-EMPTION 3

NEMA PHASES:
Ø1 Ø2 Ø4 Ø5 Ø6 Ø8
FLASHING OPERATION
Ø4 & Ø8 ALT.
Ø6 FIREHOUSE PRE-EMPTION

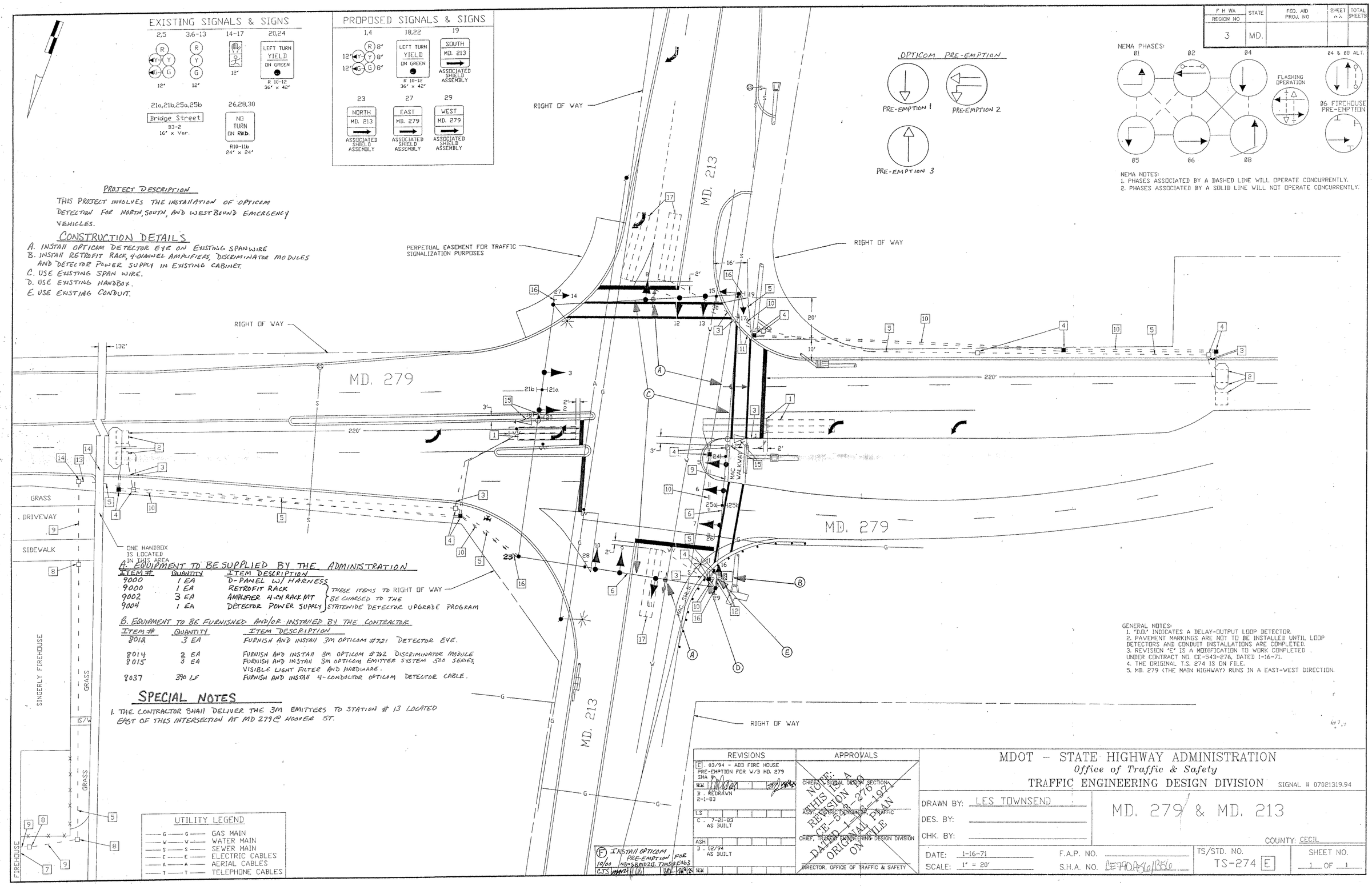
NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTION FOR NORTH, SOUTH, AND WESTBOUND EMERGENCY VEHICLES.

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE ON EXISTING SPAN WIRE
B. INSTALL RETROFIT RACK, 4-CHANNEL AMPLIFIERS, DISCRIMINATOR MODULES AND DETECTOR POWER SUPPLY IN EXISTING CABINET.
C. USE EXISTING SPAN WIRE.
D. USE EXISTING HANDBOX.
E. USE EXISTING CONDUIT.



A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9000	1 EA	D-PANEL W/ HARNESS
9000	1 EA	RETROFIT RACK
9002	3 EA	AMPLIFIER 4-CH RACK MT
9004	1 EA	DETECTOR POWER SUPPLY

THESE ITEMS TO RIGHT OF WAY BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
8012	3 EA	FURNISH AND INSTALL 3M OPTICOM #721 DETECTOR EYE.
8014	2 EA	FURNISH AND INSTALL 3M OPTICOM #762 DISCRIMINATOR MODULE
8015	3 EA	FURNISH AND INSTALL 3M OPTICOM EMITTER SYSTEM 500 SERIES VISIBLE LIGHT FILTER AND HARDWARE.
8037	390 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM DETECTOR CABLE.

SPECIAL NOTES

1. THE CONTRACTOR SHALL DELIVER THE 3M EMITTERS TO STATION # 13 LOCATED EAST OF THIS INTERSECTION AT MD 279 @ HOOVER ST.

GENERAL NOTES:
1. "D.D." INDICATES A DELAY-OUTPUT LOOP DETECTOR.
2. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS AND CONDUIT INSTALLATIONS ARE COMPLETED.
3. REVISION "E" IS A MODIFICATION TO WORK COMPLETED UNDER CONTRACT NO. CE-543-276, DATED 1-16-71.
4. THE ORIGINAL T.S. 274 IS ON FILE.
5. MD. 279 (THE MAIN HIGHWAY) RUNS IN A EAST-WEST DIRECTION.

UTILITY LEGEND

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

REVISIONS	APPROVALS
E. 03/94 - ADD FIRE HOUSE PRE-EMPTION FOR W/B MD. 279 SHA	CHIEF, SIGNAL DESIGN SECTION
B. REDRAWN 2-1-83	ASST. DIRECTOR, TRAFFIC
C. 7-21-83 AS BUILT	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
D. 02/94 AS BUILT	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

NOTE: THIS IS A REVISION TO CE-543-276 DATED 1-16-1971 ORIGINAL PLAN ON FILE

F INSTALL OPTICOM PRE-EMPTION FOR 10/00 INS-SR00218, TIMS#E063

MDOT – STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL # 07021319.94

DRAWN BY: LES TOWNSEND
DES. BY:
CHK. BY:

MD. 279 & MD. 213

COUNTY: CECIL

DATE: 1-16-71
SCALE: 1" = 20'
F.A.P. NO.
S.H.A. NO. DE790A56/B856

TS/STD. NO. TS-274 E

SHEET NO. 1 OF 1

07021319.94