## PROPOSED SIGNALS

12" 4,5 — 12" R Y G 1,2,3,9,10 — 12" 13,18

## PROPOSED SIGNS

R3-5L 30"X36" ONLY 20,22 — R3-6 30"X36" 23 — R3-2 24"X24" 19 — ASSOCIATED SHIELD ASSEMBLY 48" X 75" NORTH 187 25

## SIGNALS FROM PREVIOUS PHASE TO REMAIN

12" R Y G 8,11,12

## SIGNS FROM PREVIOUS PHASE TO REMAIN

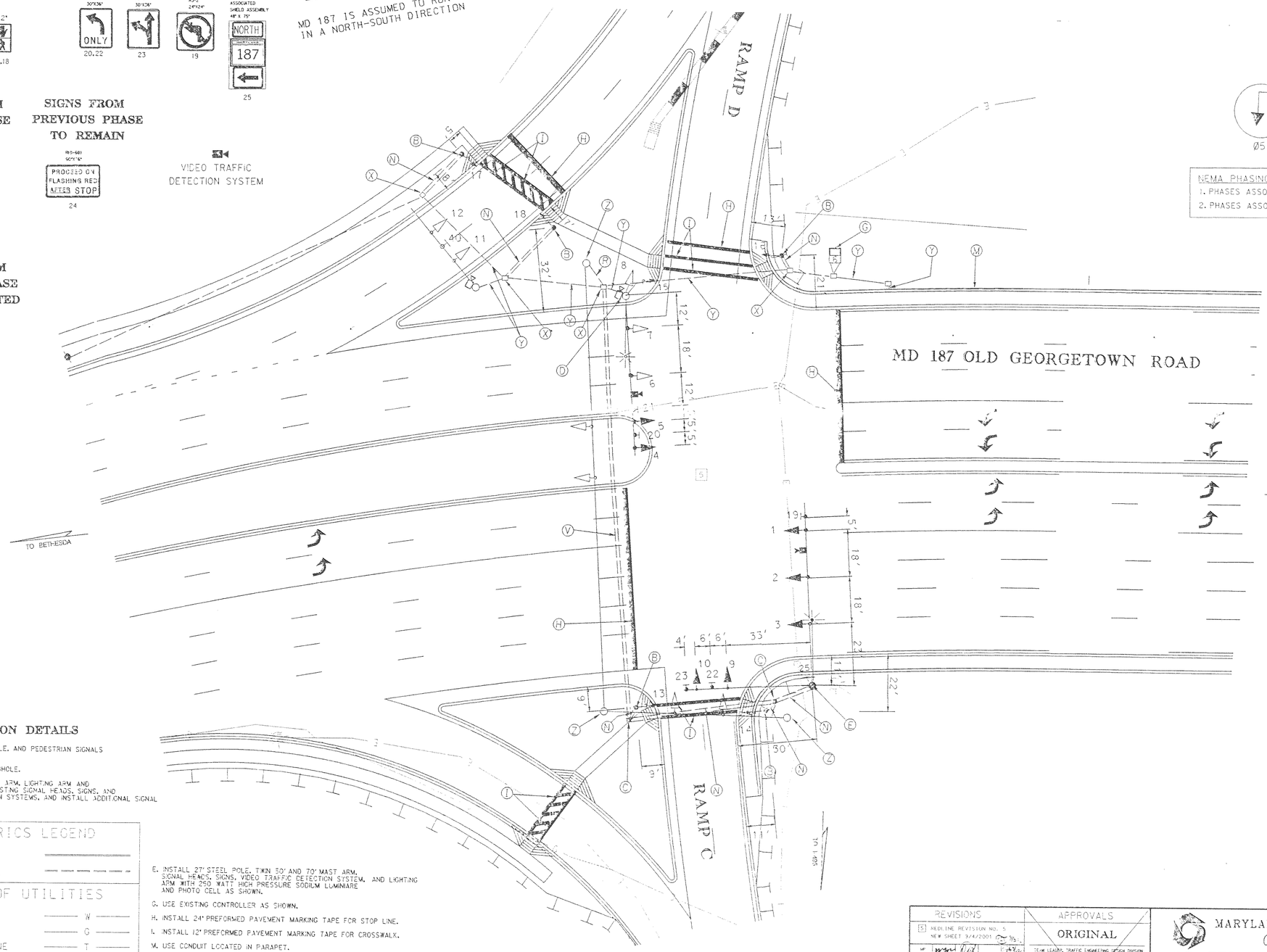
R10-601 60"X76" PROCEED ON FLASHING RED AFTER STOP 24

VIDEO TRAFFIC DETECTION SYSTEM

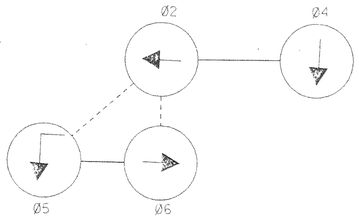
## SIGNALS FROM PREVIOUS PHASE TO BE RELOCATED

12" R Y G 6,7

MD 187 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION




## NEMA PHASING




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

CROSSWALK DETAIL

## CONSTRUCTION DETAILS

B. INSTALL 10' PEDESTAL POLE, AND PEDESTRIAN SIGNALS AS SHOWN.

C. INSTALL ELECTRICAL HANDHOLE.

D. USE EXISTING POLE, MAST ARM, LIGHTING ARM AND LUMINAIRE, RELOCATE EXISTING SIGNAL HEADS, SIGNS, AND VIDEO TRAFFIC DETECTION SYSTEMS, AND INSTALL ADDITIONAL SIGNAL HEADS AS SHOWN.

E. INSTALL 27' STEEL POLE, TWIN 50' AND 70' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO TRAFFIC DETECTION SYSTEM, AND LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND PHOTO CELL AS SHOWN.

G. USE EXISTING CONTROLLER AS SHOWN.

H. INSTALL 24" PREFORMED PAVEMENT MARKING TAPE FOR STOP LINE.

I. INSTALL 12" PREFORMED PAVEMENT MARKING TAPE FOR CROSSWALK.

M. USE CONDUIT LOCATED IN PARAPET.

N. INSTALL 3" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

R. CAP AND ABANDON CONDUIT INSTALLED IN PREVIOUS PHASE.

V. INSTALL 3" PVC (SCHEDUE 80) ELECTRICAL CONDUIT - BORED.

X. USE HANDHOLE INSTALLED IN PREVIOUS PHASE.

Y. USE CONDUIT INSTALLED IN PREVIOUS PHASE.

Z. REMOVE TEMPORARY WOOD POLES, SPAN WIRES, SIGNAL HEADS AND SIGNS.

## GEOMETRICS LEGEND

| | |
|---|---|
| PROPOSED GEOMETRICS | ——— |
| EXISTING GEOMETRICS | — — — |

## LEGEND OF UTILITIES

| | |
|---|---|
| WATER | W |
| GAS | G |
| UNDERGROUND TELEPHONE | T |
| SANITARY SEWER | S |
| UNDERGROUND ELECTRIC | E |
| AERIAL | A |
| STORM DRAIN | SD |
| SEWAGE FORCE MAIN | FM |
| CABLE TV | TV |

KCI TECHNOLOGIES

KCI TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

| REVISIONS | APPROVALS |
|---|---|
| 5 REDLINE REVISION NO. 5 NEW SHEET 3/4/2001 | ORIGINAL |
| MP | TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION |
| A ADDENDUM NO. 2 REPLACEMENT SHEET 11/30/00 | ON |
| C NEW MD 187 GEOMETRICS 10-30 SHA CONT. NO. MD3995172 | ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| MP | FILE |
| B REVISED SIGNAL HEAD DISPLAY 10/14/76 | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| SR | DIRECTOR, TRAFFIC & SAFETY |

TS-13A

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION
I-270 INTERCHANGES AT ROCKLEDGE DRIVE AND MD 187
ULTIMATE TRAFFIC SIGNAL PLAN
I-270 RAMP C/RAMP D AT MD 187 (OLD GEORGETOWN ROAD)

| | | | |
|---|---|---|---|
| DRAWN BY: STEVE RENZI | F.A.P. NO. | TS NO. 1250C | SHEET NO. |
| CHECKED BY: STEVE RENZI | S.H.A. NO. | | |
| SCALE: 1" = 20' | COUNTY: MONTGOMERY | T.I.M.S. NO. D-311 | 264A OF 404 |
| DATE: 12/27/74 | LOG MILE: 15018703.73 | | |

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