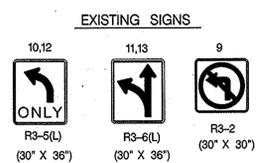
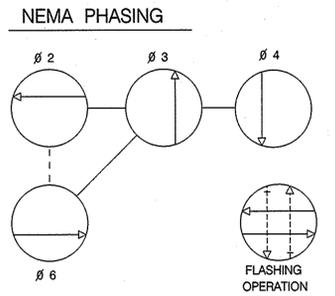
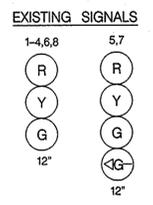
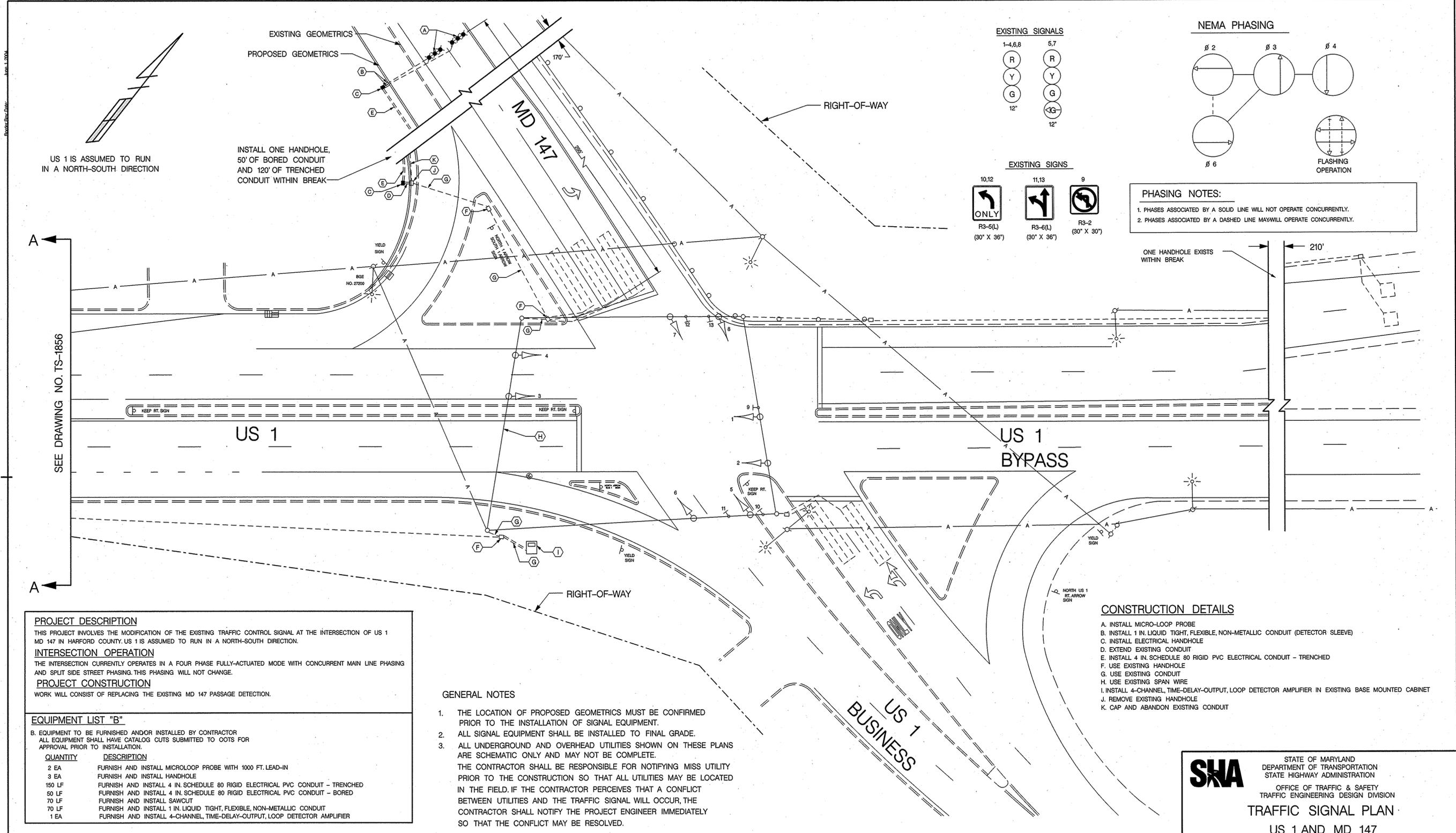


DRILL HOLES

DRILL HOLES

DRILL HOLES



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY WILL OPERATE CONCURRENTLY.

ONE HANDHOLE EXISTS WITHIN BREAK

PROJECT DESCRIPTION
THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 1 MD 147 IN HARFORD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
THE INTERSECTION CURRENTLY OPERATES IN A FOUR PHASE FULLY-ACTUATED MODE WITH CONCURRENT MAIN LINE PHASING AND SPLIT SIDE STREET PHASING. THIS PHASING WILL NOT CHANGE.

PROJECT CONSTRUCTION
WORK WILL CONSIST OF REPLACING THE EXISTING MD 147 PASSAGE DETECTION.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

| QUANTITY | DESCRIPTION |
|----------|---|
| 2 EA | FURNISH AND INSTALL MICROLOOP PROBE WITH 1000 FT. LEAD-IN |
| 3 EA | FURNISH AND INSTALL HANDHOLE |
| 150 LF | FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED |
| 50 LF | FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED |
| 70 LF | FURNISH AND INSTALL SAWCUT |
| 70 LF | FURNISH AND INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT |
| 1 EA | FURNISH AND INSTALL 4-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER |

GENERAL NOTES

- THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
- 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.

CONSTRUCTION DETAILS

- INSTALL MICRO-LOOP PROBE
- INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT (DETECTOR SLEEVE)
- INSTALL ELECTRICAL HANDHOLE
- EXTEND EXISTING CONDUIT
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- USE EXISTING HANDHOLE
- USE EXISTING CONDUIT
- USE EXISTING SPAN WIRE
- INSTALL 4-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER IN EXISTING BASE MOUNTED CABINET
- REMOVE EXISTING HANDHOLE
- CAP AND ABANDON EXISTING CONDUIT

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

| APPROVALS | REVISIONS |
|---|--|
| <p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p> | <p>① REPLACE MD 147 PASSAGE DETECTION</p> <p>7-7-06</p> <p>TMZ</p> <p>H CHANGE LANE ASSIGNMENT N.B. MD 147 SIGNAL SHOP INSTALL SIGN</p> <p>4-4-06</p> <p>DJD MAR</p> |

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
US 1 AND MD 147

SCALE 1"=20' DATE 2-14-80 CONTRACT NO.

| | | |
|-------------|--------------|--------------|
| DESIGNED BY | COUNTY | HARFORD |
| DRAWN BY | LOGMILE | 120001002.67 |
| CHECKED BY | T.I.M.S. NO. | |
| F.A.P. NO. | TOD NO. | |

DRAWING NO. TS-610H SHEET NO. 1 OF 1