NOTE: US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS

1,7 (12") — R, Y, G
8,9,10 / 12,13 (12") — R, Y, G
14 (8") — R, Y, G

EXISTING SIGNS

24 — ONLY

17A,17B — Cedarville RD ⇨ | ⇦ Cedarville RD

22 SOUTH 301 → (30"x51")
23 NORTH 301 ← (48"x75")
25 NORTH 301 → (30"x51")
26 SOUTH 301 ← (48"x75")

21 — LEFT TURN SIGNAL 24"x30" R10-10(L)

PROPOSED SIGN

27 — ONLY
R3-5(R) (30" X 36")

PROPOSED SIGNALS

2,6 (12") — R, Y, G
3,4,5,15,16 (12") — R, Y, G
11 (8") — R, Y, G

NEMA PHASING

Ø1 Ø2 Ø4
Ø5 Ø6 Ø8

FLASHING OPERATION

EXISTING SIGNS TO BE RELOCATED

18A,18B — McKendree RD ⇨ | ⇦ McKendree RD

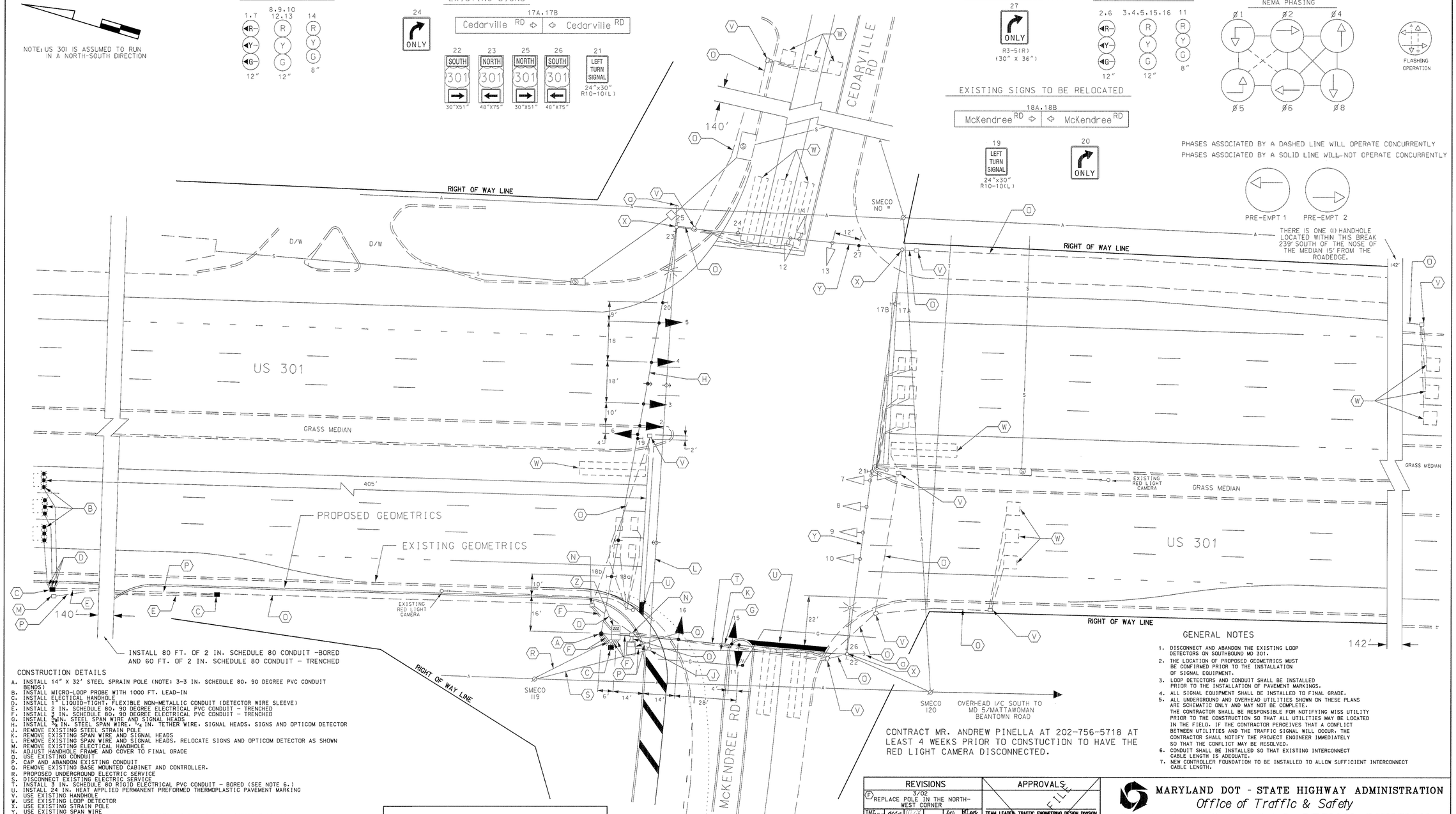
19 — LEFT TURN SIGNAL 24"x30" R10-10(L)

20 — ONLY

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PRE-EMPT 1 PRE-EMPT 2

THERE IS ONE (1) HANDHOLE LOCATED WITHIN THIS BREAK 239' SOUTH OF THE NOSE OF THE MEDIAN 15' FROM THE ROADEDGE.




CONTRACT MR. ANDREW PINELLA AT 202-756-5718 AT LEAST 4 WEEKS PRIOR TO CONSTUCTION TO HAVE THE RED LIGHT CAMERA DISCONNECTED.

## GENERAL NOTES

1. DISCONNECT AND ABANDON THE EXISTING LOOP DETECTORS ON SOUTHBOUND MD 301.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING WISS 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.
6. CONDUIT SHALL BE INSTALLED SO THAT EXISTING INTERCONNECT CABLE LENGTH IS ADEQUATE.
7. NEW CONTROLLER FOUNDATION TO BE INSTALLED TO ALLOW SUFFICIENT INTERCONNECT CABLE LENGTH.

## CONSTRUCTION DETAILS

A. INSTALL 14" X 32' STEEL SPRAIN POLE (NOTE: 3-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
B. INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
C. INSTALL ELECTICAL HANDHOLE
D. INSTALL 1" LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
E. INSTALL 2 IN. SCHEDULE 80, 90 DEGREE ELECTRICAL PVC CONDUIT - TRENCHED
F. INSTALL 3 IN. SCHEDULE 80, 90 DEGREE ELECTRICAL PVC CONDUIT - TRENCHED
G. INSTALL 3/8 IN. STEEL SPAN WIRE AND SIGNAL HEADS
H. INSTALL 3/8 IN. STEEL SPAN WIRE, 1/4 IN. TETHER WIRE, SIGNAL HEADS, SIGNS AND OPTICOM DETECTOR
J. REMOVE EXISTING STEEL STRAIN POLE
K. REMOVE EXISTING SPAN WIRE AND SIGNAL HEADS
L. REMOVE EXISTING SPAN WIRE AND SIGNAL HEADS, RELOCATE SIGNS AND OPTICOM DETECTOR AS SHOWN
M. REMOVE EXISTING ELECTICAL HANDHOLE
N. ADJUST HANDHOLE FRAME AND COVER TO FINAL GRADE
O. USE EXISTING CONDUIT
P. CAP AND ABANDON EXISTING CONDUIT
Q. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
R. PROPOSED UNDERGROUND ELECTRIC SERVICE
S. DISCONNECT EXISTING ELECTRIC SERVICE
T. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED (SEE NOTE 6.)
U. INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
V. USE EXISTING HANDHOLE
W. USE EXISTING LOOP DETECTOR
X. USE EXISTING STRAIN POLE
Y. USE EXISTING SPAN WIRE
Z. INSTALL NEW BASE MOUNTED CABINET FOUNDATION (NOTE: 5-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
a. INSTALL TEMPORARY "BACK-GUY" ON EXISTING STRAIN POLE

## LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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


TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101


| REVISIONS | APPROVALS |
|---|---|
| F 3/02 REPLACE POLE IN THE NORTH-WEST CORNER TMZ VLH | TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION |
| E 6/01 INSTALL EXCLUSIVE PHASING FOR US 301 TIMS# E390 CJS | ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| D ASBUILT 1/5/99 S.H.A. NO.: CH 566-502-701 RRZ | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| C GEOMETRIC IMPROVEMENTS CH 566-502-571 9/95 RJM DCI | DIRECTOR, TRAFFIC & SAFETY |

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION
US 301 AND CEDARVILLE RD / McKENDREE RD

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | W J NIES | F.A.P. NO. | | TS NO. 2543F E | SHEET NO. |
| CHECKED BY: | R R ZACHERL | S.H.A. NO. | | T.I.M.S. NO. | |
| SCALE: | 1" = 20' | COUNTY: | PRINCE GEORGE'S | | |
| DATE: | 8-24-01 | LOG MILE: | 160301.00.41 | | OF |

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