DRILL HOLES

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BORDER REV: DATE: June 1, 2004

NOTE: MD 301 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS

13,14 — Mitchell Road — D3-2 VARIABLE X 16" (DUAL FACED)

15 — Crain HWY — D3-2 VARIABLE X 16" (DUAL FACED)

20 — SOUTH 301 — M3-3 30"x 15" — M1-4 30"x 24" — M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

PROPOSED SIGNS

17 — SOUTH 301 — M3-3 30"x 15" — M1-4 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

19 — NORTH 301 — M3-1 30"x 15" — M1-4 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

16 — NORTH 301 — M3-1 24"x 12" — M1-4 30"x 24" — M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

18 — SOUTH 301 — M3-3 24"x 12" — M1-4 30"x 24" — M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

PROPOSED LED SIGNALS

1,5 — 12" R 8" Y 8" G 8"

2,6 — 12" R Y G

3,7 — 12" R Y G

2 ~~EXISTING SIGNALS WITH NEW LED MODULES~~

4,8,10,12 — 12" R Y G

9,11 — 12" R Y G

◄ - VIDEO DETECTION CAMERA a,b,c

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION

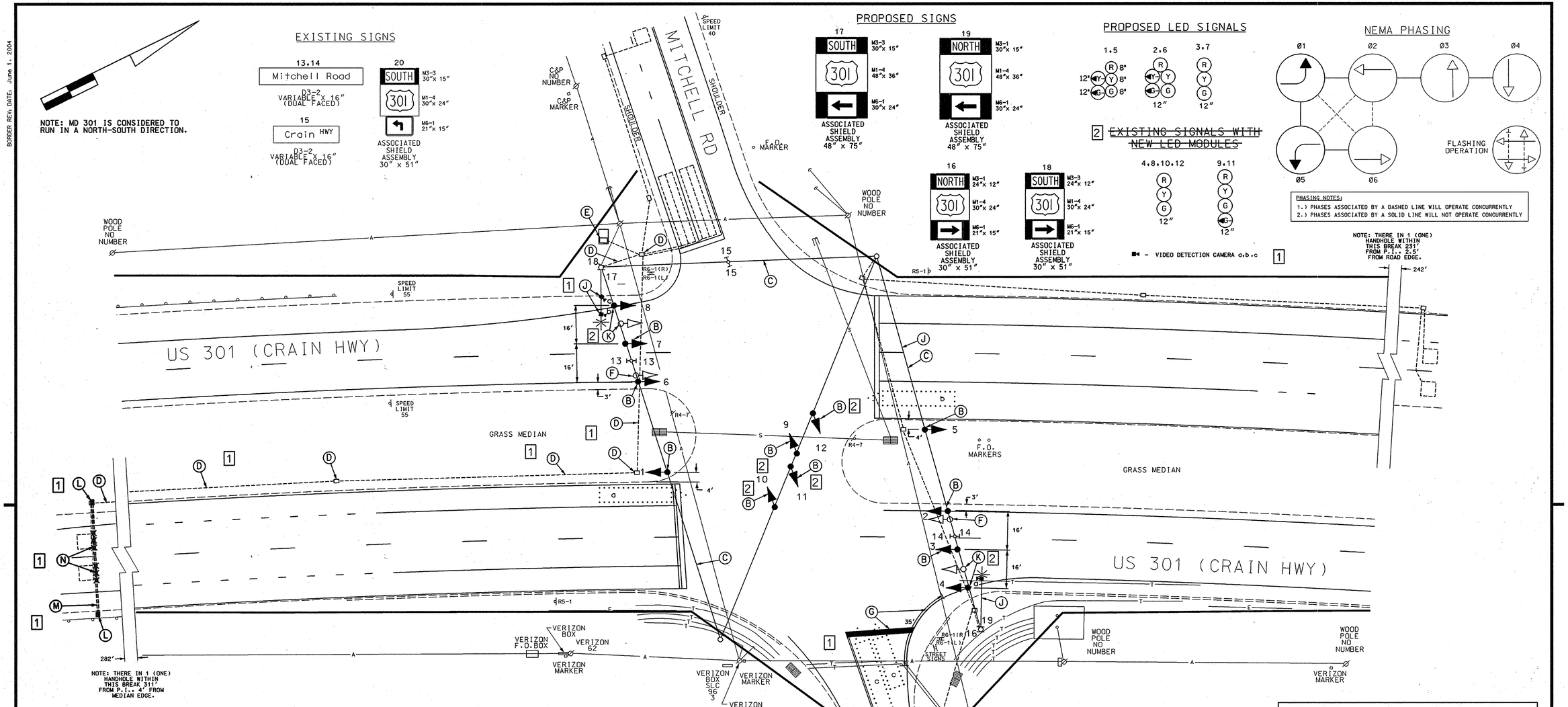
PHASING NOTES:

1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

NOTE: THERE IN 1 (ONE) HANDHOLE WITHIN THIS BREAK 231' FROM P.I.+ 2.5' FROM ROAD EDGE.

NOTE: THERE IN 1 (ONE) HANDHOLE WITHIN THIS BREAK 311' FROM P.I.+ 4' FROM MEDIAN EDGE.



CONSTRUCTION DETAILS

2 ~~A. Install LED Modules in existing Signal head as shown.~~

B. Install proposed Black Faced LED signal head as shown.

C. Use existing span wire.

D. Use existing conduit/ handhole.

E. Use existing Base mounted cabinet and Controller.

F Remove existing signal head.

G. Install 24" White Heat applied preformed Thermoplastic Pavement Marking (Stopline) and install 50' of White edge line.

H. Install proposed signs onto existing strain pole as shown.

J. Install video detector camera onto existing lighting arm as shown.

2 K. ~~Relocate~~ Remove existing signal head ~~to proposed location as shown~~ and install LED ~~modules into~~ signal head as shown.

L. Install handhole.

M. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

N. Install non-invasive micro-loop probes with 1000' lead-in cable.

1 REDLINE REVISION 8/6/08
TEDD APPROVAL _____

2 REDLINE REVISION 10/31/08
TEDD APPROVAL _____ 11/10/08

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.

2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISION "B"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NE.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5507

5443B.dgn T-129

APPROVALS — ORIGINAL ON FILE

TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

B PROVIDE 6P LEFT-TURN PHASING FOR MAINLINE US 301 NB AND SB, UPGRADE SIGNALS TO LED. 4/2/08 SHA NO: AT 9365185 J.W.A.

A ADD SIDE STREET SPLIT PHASE, ADD THIRD SIGNAL INDICATIONS FOR MAINLINE, CHANGE TO BLACK FACE SIGNAL HEADS. 9/2004 SHA NO. AT5825185 DBS

PLOTTED: @DATETIME@
FILE: @FILE@

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

US 301 (CRAIN HWY) AND MITCHELL ROAD

LAPLATA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 12/18/85 CONTRACT NO. CH-558-509-585

DESIGNED BY _____ COUNTY CHARLES
DRAWN BY DC DISTANCE LOGMILE 08030117.40
CHECKED BY S RENZI TIMS NO. 1709
F.A.P. NO. _____ TOD NO. _____

TS NO. 2112B | DRAWING NO. 1 OF 2 | SHEET NO. OF

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