DRILL HOLES

BORDER REV. DATE: June 1, 2004

MD 351 IS CONSIDERED TO RUN IN A NORTH - SOUTH DIRECTION

PROPOSED SIGNS

R10-4(1) (MOD) 9" x 12"

R10-4(1) (MOD) 9" x 12"

13,15

R10-12(4) 36"x 42"

22

21

BALLENGER CENTER DR

EXISTING SIGNS

19

R3-5L 30"x 36"

20

R3-5R 30"x 36"

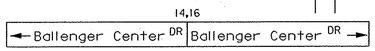
TO BE REMOVED

R10-12 36"x 42"

17

18

14,16



D3-2 Variable x 16" Dual-Faced

21

PROPOSED SIGNALS

1,2,5,6

12"

3,4,7-10

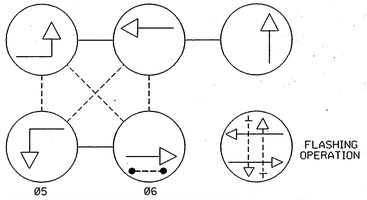
12"

11,12

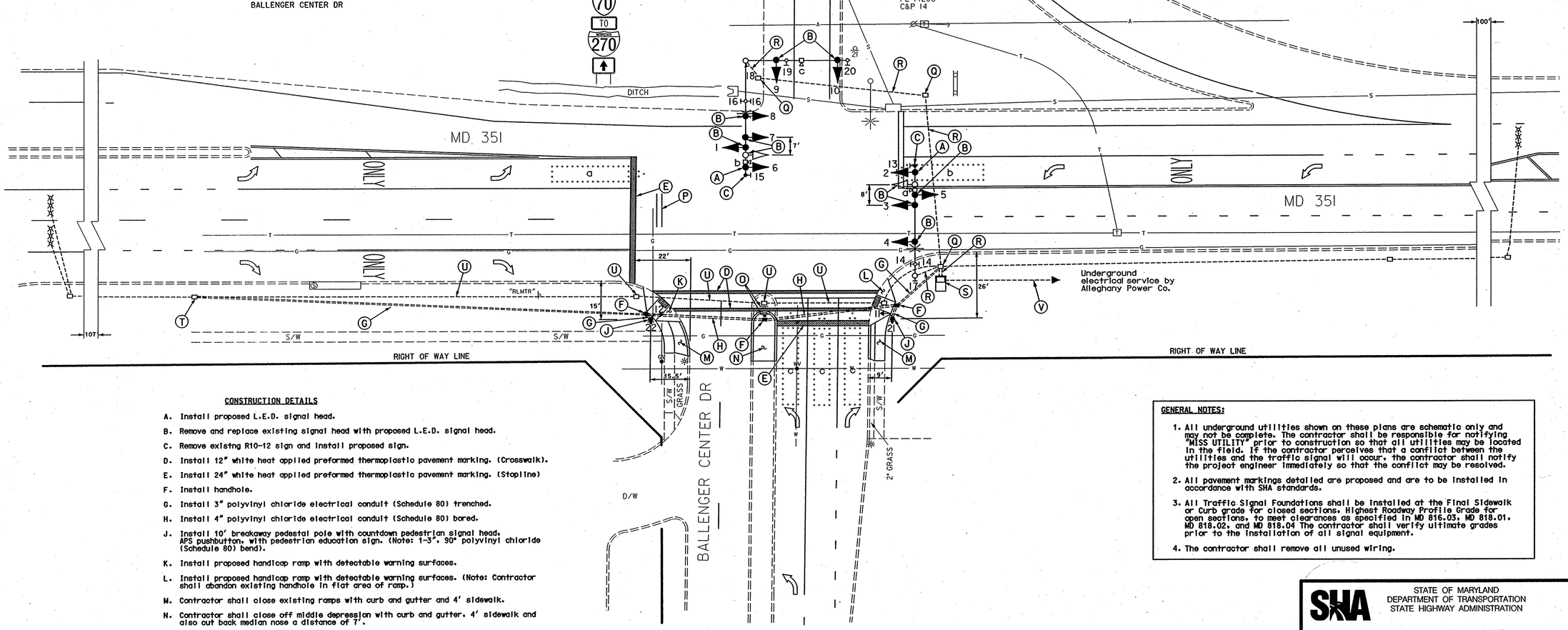
LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

VIDEO DETECTION CAMERA a-c

NEMA PHASING



PHASING NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Install proposed L.E.D. signal head.

B. Remove and replace existing signal head with proposed L.E.D. signal head.

C. Remove existing R10-12 sign and install proposed sign.

D. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk).

E. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)

F. Install handhole.

G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) trenched.

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) bored.

J. Install 10' breakaway pedestal pole with countdown pedestrian signal head, APS pushbutton, with pedestrian education sign. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend).

K. Install proposed handicap ramp with detectable warning surfaces.

L. Install proposed handicap ramp with detectable warning surfaces. (Note: Contractor shall abandon existing handhole in flat area of ramp.)

M. Contractor shall close existing ramps with curb and gutter and 4' sidewalk.

N. Contractor shall close off middle depression with curb and gutter, 4' sidewalk and also cut back median nose a distance of 7'.

O. Contractor shall relocate existing R4-7 sign to proposed median nose.

P. Contractor shall remove existing Stopline in this area.

Q. Use existing handhole.

R. Use existing conduit.

S. Use existing cabinet and controller.

T. Contractor shall use this handhole: disconnect all cables going through the existing conduit that is connected to this handhole. Also contractor is to reroute all cables through proposed conduit system to the existing cabinet.

U. Abandon existing conduit and / or handhole.

V. Maintain existing underground service by Alleghany Power.

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. The contractor shall remove all unused wiring.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISION "E"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.,NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5073.dgn D6-84

TOD No.: AT783-12
SHA No.:FR558A55

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 351 AND BALLENGER CENTER DR

TRAFFIC SIGNAL PLAN

APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
E	INSTALL APS, COUNTDOWN PEDS AND MODIFY SIGNAL HEADS SHA NO. AT7835185 — 7/3/06
D	INSTALL VIDEO DETECTION SHA NO. AT3085185 — 4/04

JWA DSR

SWA

PLOTTED: $DATETIME$
FILE: $FILE$

SCALE 1"=20' DATE 6-7-99 CONTRACT NO.

DESIGNED BY R R ZACHERL
DRAWN BY W J NIES
CHECKED BY
F.A.P. NO.

COUNTY FREDERICK
LOGMILE 100351004.53
TIMS NO. H619
TOD NO.

TS NO. 3905E | DRAWING NO. 1 OF 2 | SHEET NO. OF

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