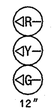
US 1 is considered to run in a North/South direction.

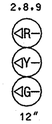
## PROPOSED LED SIGNAL MODULE UPGRADE

1




## PROPOSED LED SIGNALS

2.8.9

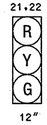



3.4.5.6.7.10.11
12.13.14.15.18.19.20




## EXISTING OPTICALLY PROGRAMMED SIGNALS TO REMAIN

16.17.
21.22

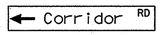



## EXISTING SIGNS

24

25a

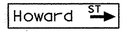
25b



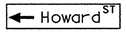

26.27
39

R3-2
30" x 30"

28a




28b




29.34




30




35




31.36



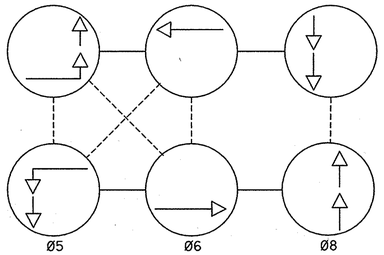

32.37



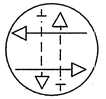

33.38




## NEMA PHASING




## FLASHING OPERATION



## FIREHOUSE PRE-EMPTION PHASE Ø4



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

## EXISTING OPTICOM EYE

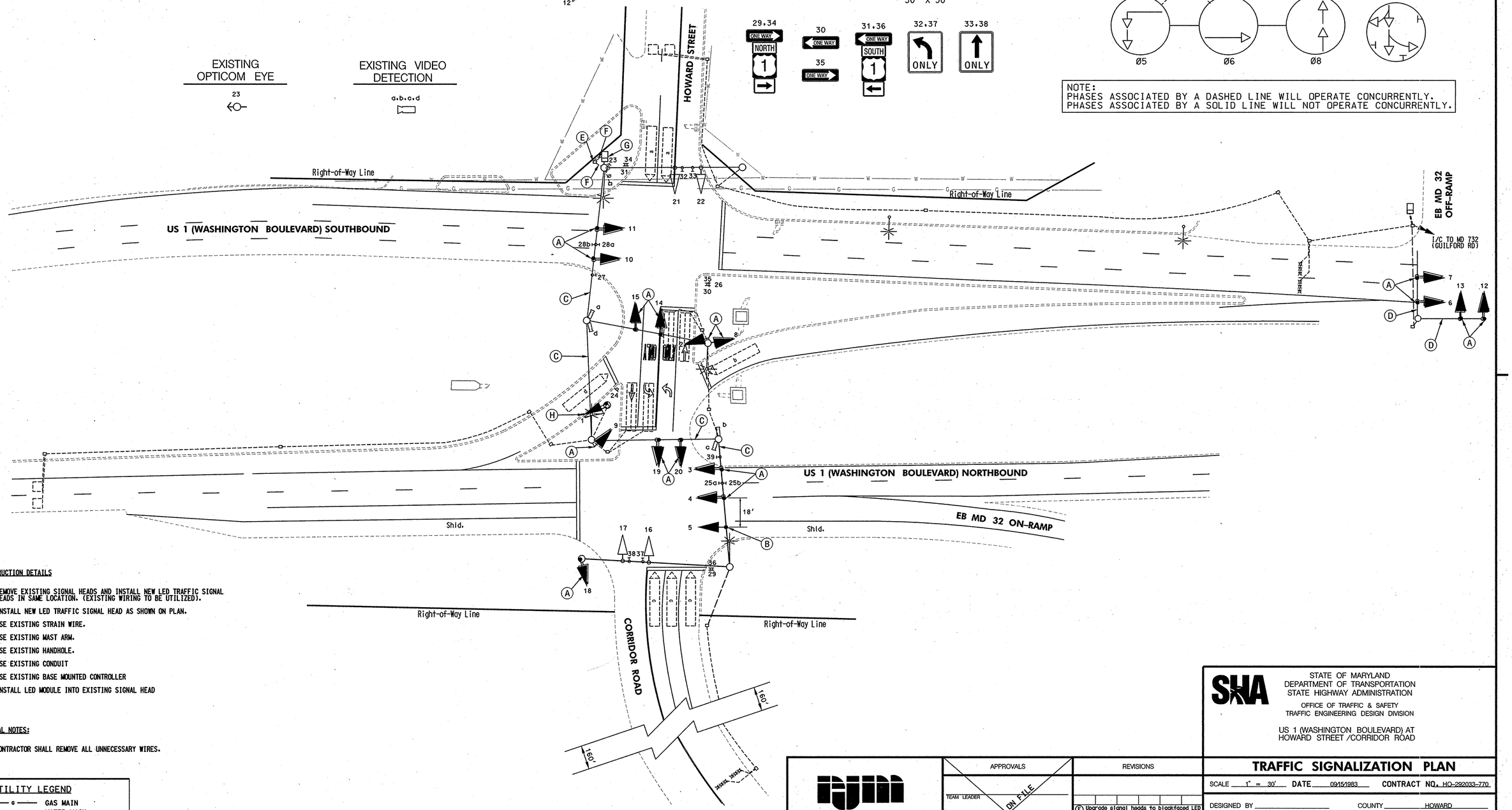
23



## EXISTING VIDEO DETECTION

a.b.c.d






## CONSTRUCTION DETAILS

- (A) REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW LED TRAFFIC SIGNAL HEADS IN SAME LOCATION. (EXISTING WIRING TO BE UTILIZED).
- (B) INSTALL NEW LED TRAFFIC SIGNAL HEAD AS SHOWN ON PLAN.
- (C) USE EXISTING STRAIN WIRE.
- (D) USE EXISTING MAST ARM.
- (E) USE EXISTING HANDHOLE.
- (F) USE EXISTING CONDUIT
- (G) USE EXISTING BASE MOUNTED CONTROLLER
- (H) INSTALL LED MODULE INTO EXISTING SIGNAL HEAD

## GENERAL NOTES:

THE CONTRACTOR SHALL REMOVE ALL UNNECESSARY WIRES.

## UTILITY LEGEND

| | |
|---|---|
| G — G | GAS MAIN |
| W — W | WATER MAIN |
| S — S | SEWER MAIN |
| E — E | ELECTRIC CABLES |
| D — D | STORM DRAIN |
| A — A | AERIAL CABLES |
| T — T | TELEPHONE CABLES |

BY: phil

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND
410-730-1001

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(F) Upgrade signal heads to blackfaced LED
Add signal head to NB US 1.
SHA NO. AT9255185 1/2007
RJM

(E) Relocate traffic signal pole.
S.H.A. No.:XX1005785
RJM September 12, 2000

PLOTTED: Tuesday, May 01, 2007 AT 02:59 PM
FILE: p:\sha\US 1 at Howard St\2007-05\p5GI-P0001_US1.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 (WASHINGTON BOULEVARD) AT
HOWARD STREET /CORRIDOR ROAD

# TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 30' DATE 09/15/1983 CONTRACT NO. HO-292033-770

DESIGNED BY
DRAWN BY J. GORDON
CHECKED BY
F.A.P. NO.

COUNTY HOWARD
LOGMILE 13000102.60
T.I.M.S. NO. G375
TOD NO.

DRAWING NO. TS-1685F SHEET NO. 01 OF 02