## PROPOSED TEMPORARY SIGNS

12a — WEST / MARYLAND / 404 — SHIELD ASSEMBLY (48"x75")

13a — EAST / MARYLAND / 404 — SHIELD ASSEMBLY (30"x51")

## PROPOSED SIGNS

9a,9b,10a,10b — Federalsburg HWY — D-3(2) (VAR.X16")

11 — Shore HWY — D-3(2) (VAR.X16")

12 — WEST / MARYLAND / 404 — SHIELD ASSEMBLY (48"x75")

13 — EAST / MARYLAND / 404 — SHIELD ASSEMBLY (30"x51")

14 — SOUTH / MARYLAND / 313 — SHIELD ASSEMBLY (30"x51")

NOTE: SHIELD ASSEMBLIES 12 AND 13 TO BE BAGGED AND REMAIN BAGGED UNTIL COMPLETION OF ALL INTERSECTION WORK

## PROPOSED SIGNALS

| 1,2,6 8,9 | 3 | 4 | 5 | 7 |
|---|---|---|---|---|
| R Y G | R Y G | R Y G | R Y G | R Y G |
| 12" | 12"/8" | 8"/12" | 12" | 8" |

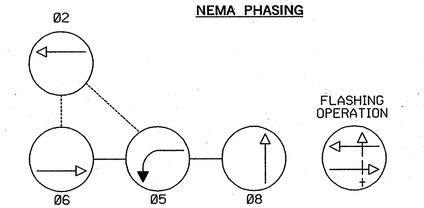
NOTE: SIGNAL HEAD 3 TO BE BAGGED AND REMAIN BAGGED UNTIL COMPLETION OF ALL INTERSECTION WORK

## PROPOSED VIDEO DETECTION

a,b — VIDEO DETECTION CAMERA

a — DETECTION ZONE

## NEMA PHASING



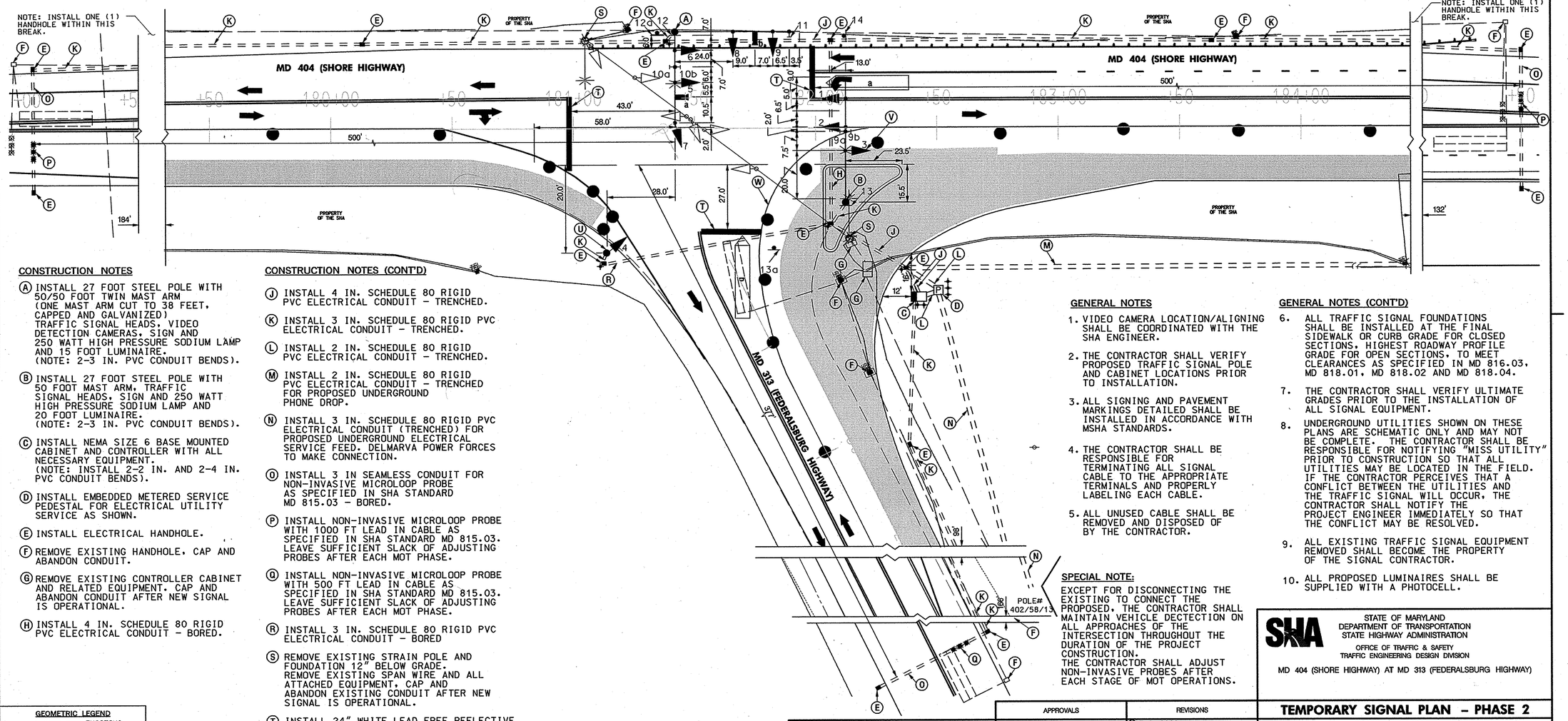

LAG PHASE

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

MD 404 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

TO US 50

NOTE: INSTALL ONE (1) HANDHOLE WITHIN THIS BREAK.




## CONSTRUCTION NOTES

(A) INSTALL 27 FOOT STEEL POLE WITH 50/50 FOOT TWIN MAST ARM (ONE MAST ARM CUT TO 38 FEET, CAPPED AND GALVANIZED) TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, SIGN AND 250 WATT HIGH PRESSURE SODIUM LAMP AND 15 FOOT LUMINAIRE. (NOTE: 2-3 IN. PVC CONDUIT BENDS).

(B) INSTALL 27 FOOT STEEL POLE WITH 50 FOOT MAST ARM, TRAFFIC SIGNAL HEADS, SIGN AND 250 WATT HIGH PRESSURE SODIUM LAMP AND 20 FOOT LUMINAIRE. (NOTE: 2-3 IN. PVC CONDUIT BENDS).

(C) INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC CONDUIT BENDS).

(D) INSTALL EMBEDDED METERED SERVICE PEDESTAL FOR ELECTRICAL UTILITY SERVICE AS SHOWN.

(E) INSTALL ELECTRICAL HANDHOLE.

(F) REMOVE EXISTING HANDHOLE, CAP AND ABANDON CONDUIT.

(G) REMOVE EXISTING CONTROLLER CABINET AND RELATED EQUIPMENT. CAP AND ABANDON CONDUIT AFTER NEW SIGNAL IS OPERATIONAL.

(H) INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.

## CONSTRUCTION NOTES (CONT'D)

(J) INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

(K) INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

(L) INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

(M) INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND PHONE DROP.

(N) INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE FEED. DELMARVA POWER FORCES TO MAKE CONNECTION.

(O) INSTALL 3 IN SEAMLESS CONDUIT FOR NON-INVASIVE MICROLOOP PROBE AS SPECIFIED IN SHA STANDARD MD 815.03 - BORED.

(P) INSTALL NON-INVASIVE MICROLOOP PROBE WITH 1000 FT LEAD IN CABLE AS SPECIFIED IN SHA STANDARD MD 815.03. LEAVE SUFFICIENT SLACK OF ADJUSTING PROBES AFTER EACH MOT PHASE.

(Q) INSTALL NON-INVASIVE MICROLOOP PROBE WITH 500 FT LEAD IN CABLE AS SPECIFIED IN SHA STANDARD MD 815.03. LEAVE SUFFICIENT SLACK OF ADJUSTING PROBES AFTER EACH MOT PHASE.

(R) INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED

(S) REMOVE EXISTING STRAIN POLE AND FOUNDATION 12" BELOW GRADE. REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT. CAP AND ABANDON EXISTING CONDUIT AFTER NEW SIGNAL IS OPERATIONAL.

(T) INSTALL 24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.

(U) INSTALL 14 FT. PEDESTAL POLE WITH TRAFFIC SIGNAL HEAD. (NOTE: 1-3 IN. PVC CONDUIT BEND).

(V) TO BE BAGGED.

(W) INSTALL 5" WHITE TEMPORARY PAVEMENT MARKING.

## GENERAL NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY PROPOSED TRAFFIC SIGNAL POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL SIGNING AND PAVEMENT MARKINGS DETAILED SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
5. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

## GENERAL NOTES (CONT'D)

6. 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.
7. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
8. 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.
9. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR.
10. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.

## SPECIAL NOTE:

EXCEPT FOR DISCONNECTING THE EXISTING TO CONNECT THE PROPOSED, THE CONTRACTOR SHALL MAINTAIN VEHICLE DECTECTION ON ALL APPROACHES OF THE INTERSECTION THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION.
THE CONTRACTOR SHALL ADJUST NON-INVASIVE PROBES AFTER EACH STAGE OF MOT OPERATIONS.

### GEOMETRIC LEGEND

EXISTING
PROPOSED

### UTILITY LEGEND

| | |
|---|---|
| SD | STORM DRAIN |
| G | GAS MAIN |
| W | WATER MAIN |
| S | SEWER MAIN |
| E | ELECTRIC CABLES |
| A | AERIAL CABLES |
| T | TELEPHONE CABLES |
| F | FIBER-OPTIC |

BY: hennyad

Edwards AND Kelcey
100 South Charles Street
Tower 2, Suite 1000
Baltimore, Maryland 21201
410-837-5840

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(D) 3/21/2008
RECONSTRUCT TRAFFIC SIGNAL
SHA# C05885187 PHASE 2
HD C.O. 1/22/2008 7/01/2008
C 12/17/07 SHA NO. C05885187
RELOCATED SIGNAL HEADS DUE TO GEOMETRIC CHANGES
TMZ

B 5/8/94 SHA NO.OT-1+2-94
UPDATED EXISTING ICB TO FULLY ACTUATED TRAFFIC SIGNAL
TMZ

PLOTTED: Wednesday, April 02, 2008 AT 03:23 PM
FILE: J:\2007 Projects\Y\L00200\Cad\March 08\pSG-P001_MD404atMD313CombinedPhase2+3.dgn

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

MD 404 (SHORE HIGHWAY) AT MD 313 (FEDERALSBURG HIGHWAY)

# TEMPORARY SIGNAL PLAN - PHASE 2

SCALE 1" = 20' DATE 7/01/992 CONTRACT NO.

DESIGNED BY S. RENZI
DRAWN BY S. RENZI
CHECKED BY
F.A.P. NO. AC-NH-300-1(43)E

COUNTY CAROLINE
LOGMILE 05040413.30
T.I.M.S. NO. H442
TOD NO.

DRAWING NO. STD 529 -TS 1 OF 1

SHEET NO. 2 OF 9