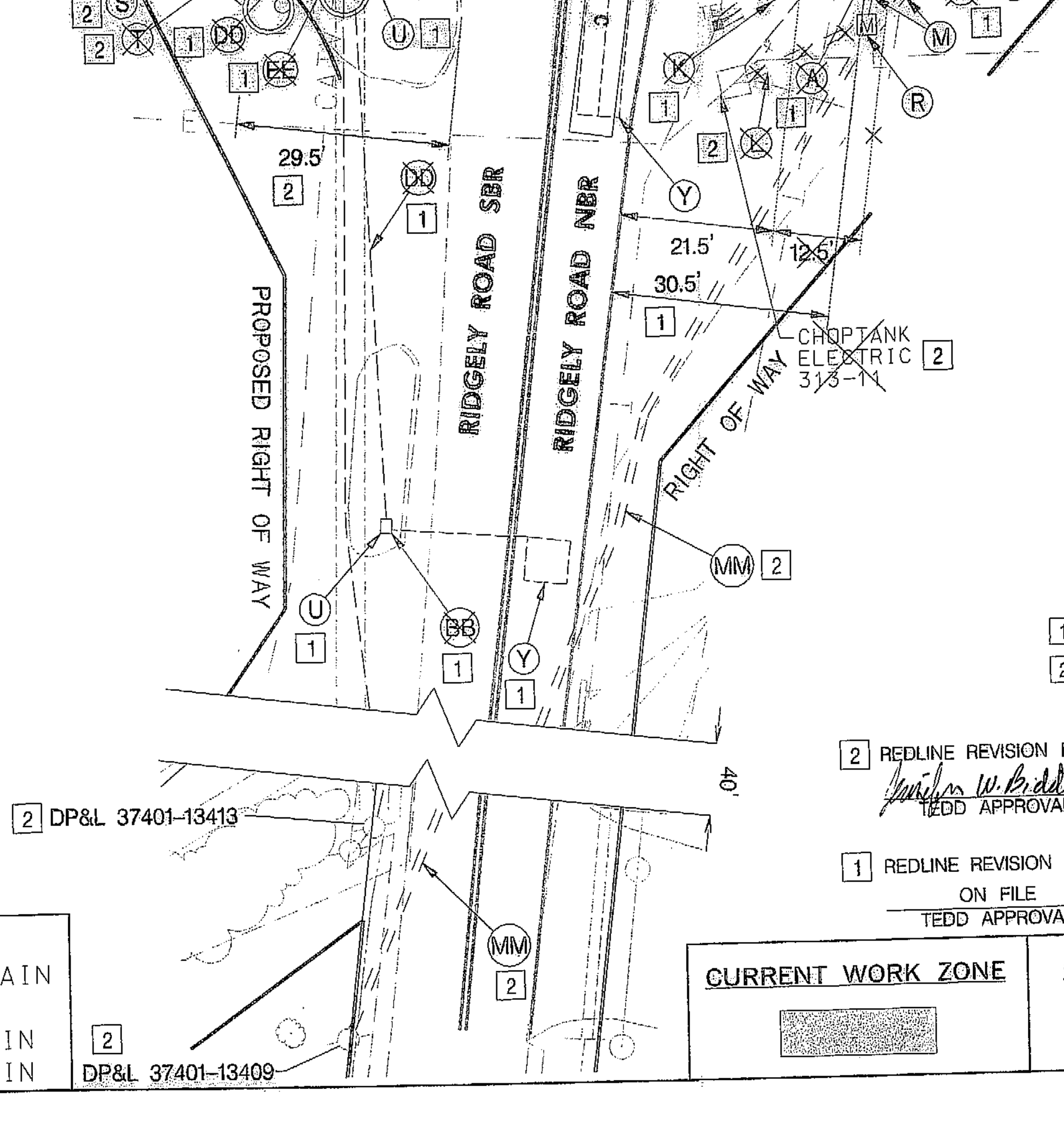


CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. 90 DEGREE BENDS).(SEE NOTE 13) 1

B. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, OPTICOM DETECTOR EYE AND SIGNS (NOTE: 1-3 IN. PVC 90 DEGREE BEND).

1 C. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. AND 70 FT. MAST ARMS, FOUNDATION, ~~VIDEO DETECTION CAMERAS,~~ SIGNS, ~~OPTICOM DETECTOR EYES~~ AND A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (TO BE WIRED IN PHASE 2) (NOTE: 1-3 IN. PVC 90 DEGREE BEND). (SEE NOTE 4)

D. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, OPTICOM DETECTOR EYE, SIGN AND A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINARE (NOTE: 1-3 IN. PVC 90 DEGREE BEND).

1 E. INSTALL A 40 FT. CLASS II WOOD POLE WITH TWO BACK GUYS AS SHOWN, PVC ELECTRICAL CONDUIT RISER, 3 IN. SCHEDULE 80 RIGID PVC 90 DEGREE CONDUIT BEND ~~AND A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE.~~

F. INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEADS.

G. INSTALL STEEL SPAN WIRE - 3/8 IN. DIAMETER.

H. INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING SIGNAL POLE FOUNDATION.

J. INSTALL ELECTRICAL HANDHOLE.

K. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT JUNCTION BOX FOR USE BY OTHERS.

L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED UNDERGROUND POWER SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT TRANSFORMER FOR USE BY OTHERS.

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

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

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

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

Q. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) PRIOR TO ROADWAY CONSTRUCTION.

R. INSTALL METERED SERVICE PEDESTAL.

S. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT AND ABANDON EXISTING CONDUIT AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.

2 ~~T. REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.~~

U. REMOVE EXISTING ELECTRICAL HANDHOLE, CAP AND ABANDON EXISTING CONDUIT AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.

V. REMOVE EXISTING SIGNAL HEAD / OPTICOM EYE AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.

~~W. USE EXISTING SPAN WIRE.~~

2 ~~X. USE EXISTING STRAIN POLE.~~

Y. ABANDON EXISTING LOOP DETECTOR.

1 ~~AA. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS).~~

~~BB. SPLICE EXISTING LOOP DETECTOR WIRE TO NEW 2 CONDUCTOR (ALUMINUM SHIELDED) WIRE.~~

1 ~~CC. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON METALLIC CONDUIT FOR DETECTOR SLEEVE.~~

DD. USE EXISTING CONDUIT

EE. USE EXISTING HANDHOLE

FF. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) PRIOR TO ROADWAY CONSTRUCTION.

GG. INSTALL OVERHEAD SIGN

1 HH. INSTALL VIDEO DETECTION CAMERA AS SHOWN.

JJ. INSTALL OPTICOM DETECTOR AS SHOWN.

1 KK. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.

1 LL. INSTALL A 40 FT. CLASS II WOOD POLE WITH TWO BACK GUYS AS SHOWN AND A 20 FT. LIGHTING ARM WITH A 250 WATT HPS LUMINAIRE. INSTALL GROUND ROD AT BASE OF WOOD POLE.

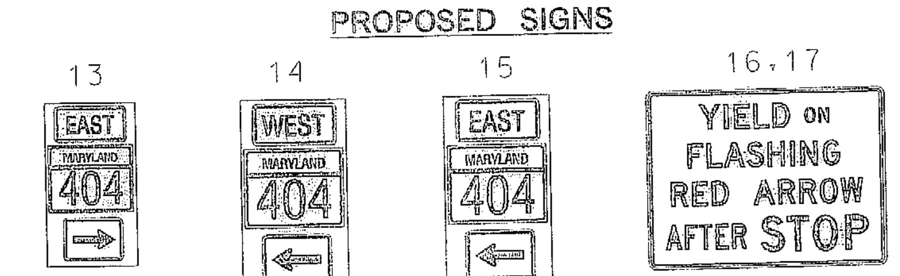
2 MM. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED UNDERGROUND POWER SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS (NOTE: CONTRACTOR SHALL BORE CONDUIT UNDERNEATH THE ROADWAY) (SEE NOTE 14).

2 NN. INSTALL A 40 FT. CLASS II WOOD POLE WITH TWO BACK GUYS AS SHOWN.

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
4. 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, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
7. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
8. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE AND CABINET LOCATION(S) PRIOR TO INSTALLATION.
9. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
10. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL. (SEE TRAFFIC CONTROL PLANS FOR DETAILS ON MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION.)
11. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
12. THE CONTRACTOR SHALL INSTALL ENOUGH CABLE SLACK FOR THE RELOCATION OF SIGNAL EQUIPMENT IN FUTURE PHASES.
13. 1 THE CONTRACTOR SHALL INSTALL THE FOUNDATION OF THE PROPOSED BASE MOUNTED CABINET AT THE FINAL ROADWAY.
14. 2 THE CONTRACTOR SHALL BORE PORTION OF THE PROPOSED CONDUIT FOR THE PROPOSED UNDERGROUND POWER SERVICE UNDERNEATH THE ROADWAY. THE CONTRACTOR SHALL BORE CONDUIT BELOW THE PROPOSED DRAINAGE INSTALLED DURING PHASE 2.

PROPOSED SIGNS



SHIELD ASSEMBLY (30"x51") | SHIELD ASSEMBLY (48"x75") | SHIELD ASSEMBLY (48"x75") | R10-12(2) (48"x36")

UTILITY LEGEND

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

STV Incorporated
engineers /architects /planners /construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: guiliamc

2 REDLINE REVISION NO. 2 — JULY 2010
TEDD APPROVAL — SHA NO. CO3235170

1 REDLINE REVISION NO. 1 — MARCH 2010
ON FILE
TEDD APPROVAL — SHA NO. CO3235170

CURRENT WORK ZONE

GEOMETRIC LEGEND
– – – – EXISTING
═══ PROPOSED

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

REVISIONS
E TEMPORARY SIGNAL TO SUPPORT MOT PHASE 1. SHA # CO3235170 11/2008 STV MCG
D. INSTALL OPTICOM FOR MD 480 SHA # XX1065185 10-31-03
C. PROVIDE E/P LEFT FOR E.B. AND W.B.R. MD 404, PPROVIDE OPTICOM FOR W.B.R. MD 404 7-30-98

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

MD 404 (SHORE HIGHWAY) AT
MD 480 (RIDGELY ROAD)/RIDGELY ROAD
TEMPORARY SIGNAL - PHASE 1

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 01/19/1984 CONTRACT NO. QA231A56/B56

DESIGNED BY
DRAWN BY JOHN BOLING
CHECKED BY D.J. DODA JR.
F.A.P. NO.

COUNTY CAROLINE
LOGMILE 05040400.73
TIMS NO. 1833
TOD NO. XX10651-45

TS NO. 1946E | DRAWING SG-01 OF 06 | SHEET NO. 114 OF 138

PLOTTED: Monday, July 12, 2010 AT 03:29 PM
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