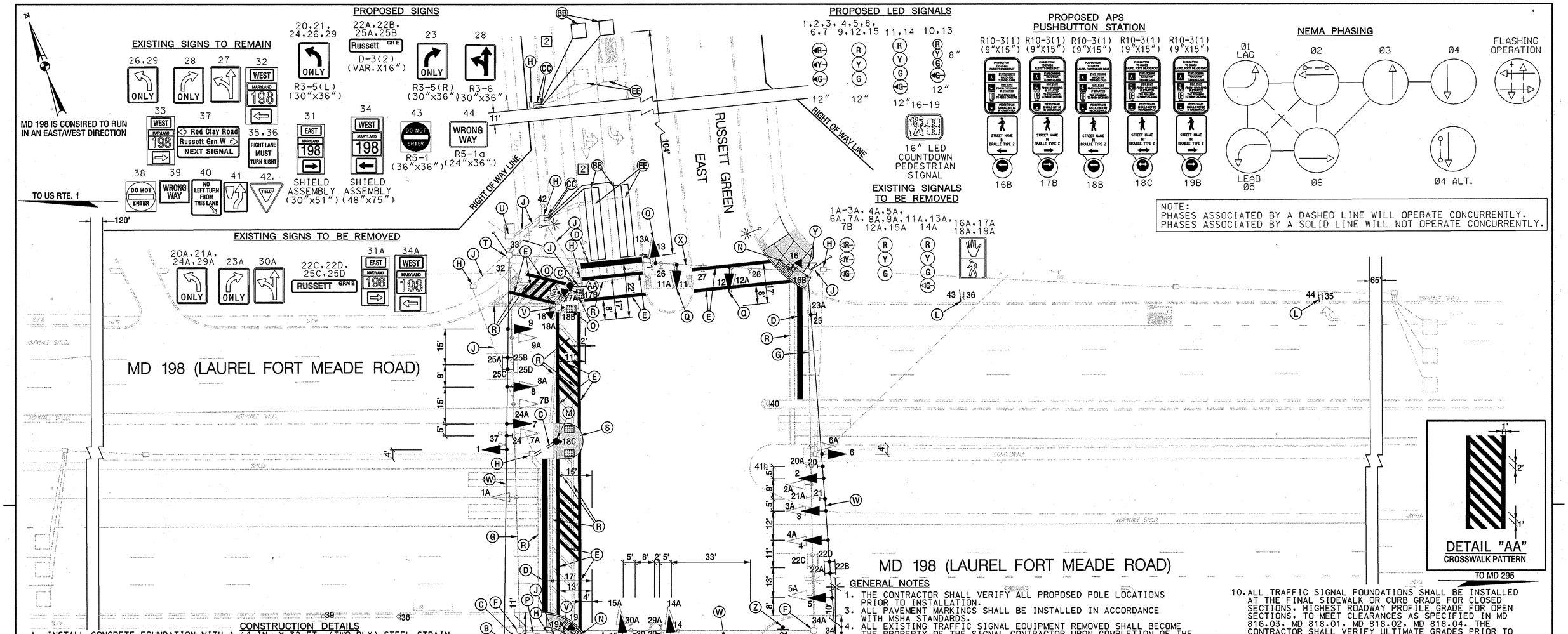

MD 198 (LAUREL FORT MEADE ROAD)

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM 60"X60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS OR EQUAL TO 2%.
9. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON THE PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
10. 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.
11. THE CONTRACTOR AT THE END OF THE SIGNAL MODIFICATION SHALL REMOVE THE TEMPORARY BACK GUY AND ANCHOR ASSEMBLIES FROM THE TWO (2) EXISTING STRAIN POLES.
12. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA, DOES NOT HAVE TO REACH MORE THAN 18 IN.
13. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
14. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES FROM THE EXISTING CONDUIT, HANDHOLES AND CONTROLLER CABINET.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 14 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND 3 IN. WEATHERHEAD. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
B. INSTALL CONCRETE FOUNDATION WITH A 14 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, AND 3 IN. WEATHERHEAD. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
C. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
D. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
E. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
F. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
G. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. DISCONNECT AND REMOVE EXISTING 2 CONDUCTOR ALUMINUM SHIELDED CABLE FROM EXISTING LOOP WIRE, CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER CABINET. THEN INSTALL NEW CABLE AND CONNECTOR KITS SPLICING EXISTING LOOP WIRE TO NEW 2 CONDUCTOR ALUMINUM SHIELDED CABLE.
L. USE EXISTING WOOD SIGN POST AND INSTALL R5-1 OR R5-1a SIGN AS SHOWN ON PLAN.
M. INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE (CUT DOWN TO 4 FT.) WITH A BREAKAWAY BASE, AUDIBLE / TACTILE PUSHBUTTON STATION AND R10-4(1) SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
N. REMOVE CONCRETE SIDEWALK AND INSTALL NEW DEPRESSED CURB AND GUTTER WITH DETECTABLE WARNING SURFACE. REFER TO MD STANDARD DETAIL NO. MD-655-12 FOR RAMPS AND MD-655.40 FOR DETECTABLE WARNING SURFACE.
O. INSTALL DETECTABLE WARNING SURFACE IN EXISTING RAMP OPENING.
P. CAP AND ABANDON EXISTING CONDUIT.
Q. USE EXISTING SPAN WIRE AND REMOVE EXISTING SIGNAL HEADS. THEN INSTALL NEW LED SIGNAL HEAD USING EXISTING CABLE TO ENERGIZE.
R. REMOVE EXISTING PAVEMENT MARKINGS
S. REMOVE EXISTING MEDIAN, RAMP, CURB AND GUTTER. INSTALL NEW SIGNAL EQUIPMENT AS SHOWN THEN REPLACE WITH NEW CONCRETE MEDIAN, AND MEDIAN CUT THRU RAMP (REFER TO MD STANDARD NO. 655.21) CURB AND GUTTER (REFER TO MD-620.02-01 TYPE D) AND DETECTABLE WARNING SURFACE (REFER TO MD-655.40).
T. USE EXISTING STRAIN POLE AND INSTALL BACK GUY ANCHOR ASSEMBLY AND NEW 3/8 IN. SPAN WIRE TO POLE. CONTRACTOR SHALL REMOVE THE ANCHOR ASSEMBLY FROM THE POLE.
U. USE EXISTING CABINET AND INSTALL NEW SIGNAL CABLES.
V. USE EXISTING PEDESTAL POLE AND REMOVE 12 IN. PEDESTRIAN SIGNAL HEAD. SIGNAL HEAD MOUNTING HARDWARE, PUSHBUTTON AND SIGN, THEN INSTALL NEW LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, MOUNTING BRACKET AND R10-4(1)MOD. SIGN, AUDIBLE/TACTILE PUSHBUTTON STATION WITH INTERNATIONAL BRAILLE ON FACE PLATE.
W. INSTALL 3/8 IN. SPAN WIRE AND 1/4 IN. TETHER WIRE.
X. USE EXISTING SPAN WIRE.

CONSTRUCTION DETAILS CONT.

Y. USE EXISTING STRAIN POLE AND INSTALL 3/8 IN. SPAN WIRE, 1/4 IN. TETHER WIRE, 16 IN. COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PUSHBUTTON STATION AND R10-4(1) SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE AND BACK GUY ANCHOR ASSEMBLY.
Z. INSTALL 4 IN. X 6 IN. WOOD POST WITH (30" X 51") SHIELD ASSEMBLY SIGN.
AA. CAREFULLY REMOVE PORTION OF CONCRETE MEDIAN AND INSTALL 10 FT. PEDESTAL POLE (CUT DOWN TO 4 FT.) WITH A BREAKAWAY BASE, AUDIBLE/TACTILE PUSHBUTTON STATION AND R10-4(1) SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). THEN REPLACE CONCRETE MEDIAN.
BB. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEX TUBING (3 TURNS)
CC. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (FOR DETECTOR SLEEVE).
DD. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEX TUBING (3 TURNS)
EE. ABANDON EXISTING LOOP DETECTORS. REMOVE LEADI-IN CABLE FROM ALL CONDUIT, HANDHOLES AND CABINET.

CONSTRUCTION LEGEND

CONSTRUCTION AREA

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES

2 GREENLINE REVISION No. 2 6/01/08
1 GREENLINE REVISION No. 1 03/12/08

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

REVISIONS

0 MOD. EXISTING TRAFFIC SIGNAL AND INSTALL APS AND CPS SHA NO. AT9155185 TIMS 1083 05/ /2007
SWA | W.M. | D.B.D. | M.A.R. | W.H. | T.H.

1 02/2005-INSTALL PED. SIGNALS.FOR RUSSETT GREEN EAST LEG. REDLINE REVISION SHA NO. AA3295177 TIMS G828
CJW | JAH | | | BRK

2 03/2001 - AS BUILT: INSTALL PEDS. PUSHBUTTONS.PAVEMENT MARKINGS FOR LEG OF MD 198 - SHA 01-2000
W.M. | MAR | DAZ | BRK | T.H.

A 06-16-1995 - MODIFICATION FOR ENT. TO CORRIDIR MARKETPLACE SHA NO. BW 862-802-512
A.A. | S.R. | DAZ | BAK | T.H.

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

MD 198 AND RUSSETT GREEN EAST/ENT. TO CORRIDOR MARKETPLACE

LAUREL, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' | DATE JUNE 30, 1993 | CONTRACT NO. AT9155185

DESIGNED BY | COUNTY ANNE ARUNDEL
DRAWN BY P. DORR | LOGMILE 02019801.69
CHECKED BY S.A.R. | T.I.M.S. NO. 1083
F.A.P. NO. N/A | TOD NO.

TS NO. 3150D | DRAWING 1 OF 2 | SHEET NO. OF

PLOTTED: Monday, June 02, 2008 AT 04:43 PM
FILE: R:\2004\45 SHA BCS 2004-02B TEDD Traffic\Task 27 MD 198 and Russett Road\Dgn\FSG-P0001MD198-RUSS.dgn

BY: SSMITH