EXISTING SIGNS TO BE REMOVED

W11A-2 W16-7p | W11A-2 W16-7p | R10-4(1) | R10-4(1)

GEORGIA AVE IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

R10-11a (MOD) | R10-11b | D-3(1) Colesville RD <8500 | D-3(1) Colesville RD >8500 | D-3(1) Georgia AVE <8600 | D-3(1) Georgia AVE >8600

R3-5 | R3-5(1) | R3-5(R) | R3-3(2) | R10-12

EXISTING FIBER-OPTIC SIGNS

39 W9-2(4) SPECIAL SIGN | 41 R3-5 | 42 R3-5

EXISTING SIGNS

34,40 SPECIAL SIGN

EXISTING SIGNALS

7,11-20 12"

PROPOSED SIGNS

35 D-3(1) 96"X16" | 37,45,50,82 R3-3(2) 30"X30" | 38,47,49,52,57 R10-11b 24"X24" | 46 D-3(1) 96"X16"

48,54 D-3(1) 96"X16" | 51,56 D-3(1) 96"X16" | 53 R3-5(R) 30"X36" | 79,80 R4-7 24"X30" @ 15°

PROPOSED SIGNALS

1.4 12" | 2,3,5,6,8,9,10,23 12" | 21,22 12" | 24-31 16" LED COUNTDOWN PEDESTRIAN SIGNAL | 32 12"

PROPOSED FIBER-OPTIC SIGNS

43 R3-5 30"X36" OR BLANK | 44 R3-5 R3-5(1) 30"X36"

NEMA PHASING

Ø2 | Ø4 | Ø6 | Ø7 | Ø8 (LAG) | FLASHING OPERATION

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

PROPOSED PEDESTRIAN SIGNS

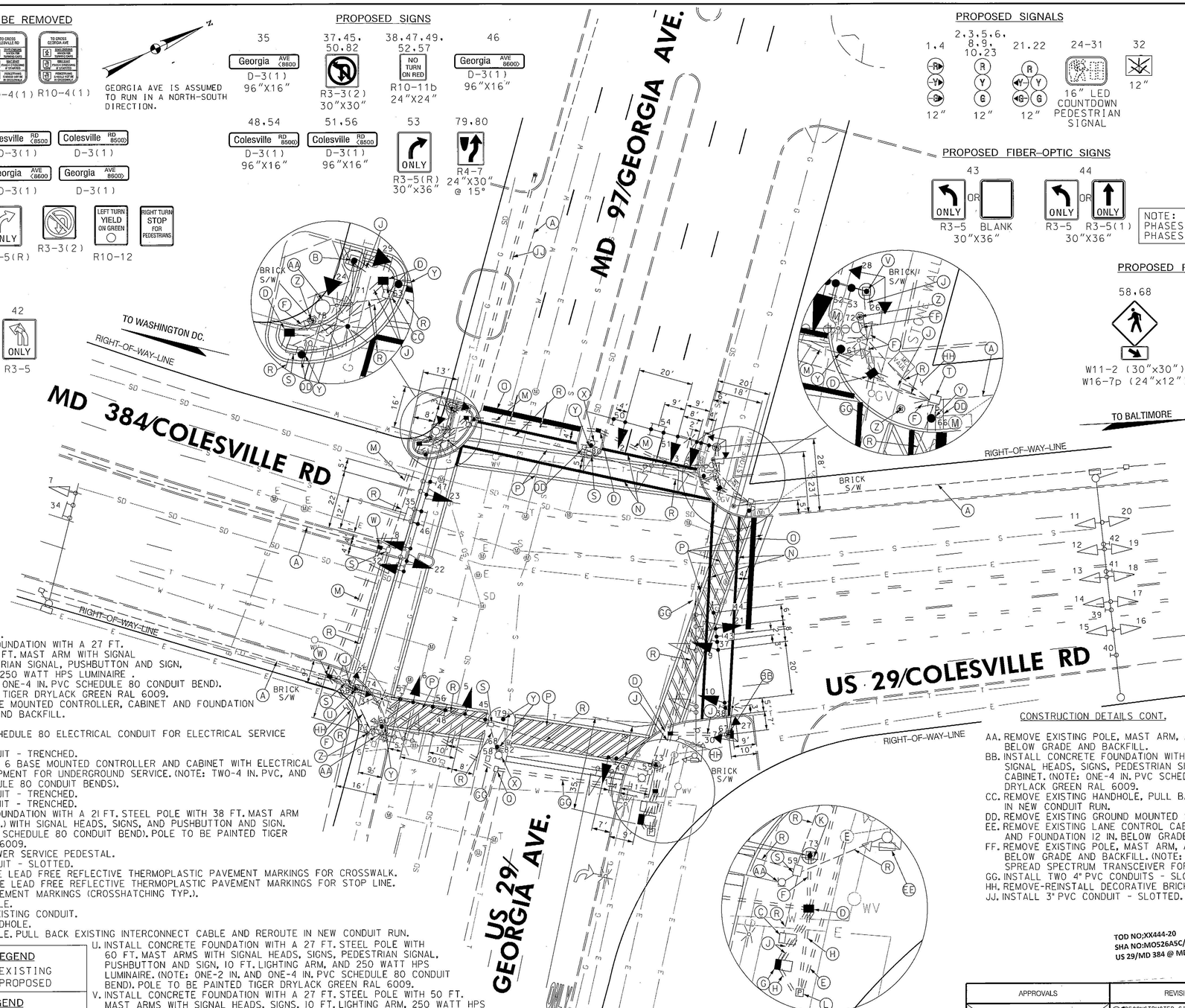
58,68 W11-2 (30"x30") W16-7p (24"x12")

59,60,61,63,66,67,69,70 W11-2 (30"x30") W16-7p (24"x12")

PROPOSED AUDIBLE SIGNS

71,73 | 72,77 | 74,75 | 76,78

R10-3(1) 9"x15" | R10-3(1) 9"x15" | R10-3(1) 9"x15" | R10-3(1) 9"x15"



CONSTRUCTION DETAILS

A. USE EXISTING CONDUIT.
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, 10 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE . (NOTE: ONE-2 IN. AND ONE-4 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009.
C. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
D. INSTALL HANDHOLE.
E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED.
F. INSTALL 3" PVC CONDUIT - TRENCHED.
G. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
H. INSTALL 2" PVC CONDUIT - TRENCHED.
J. INSTALL 4" PVC CONDUIT - TRENCHED.
K. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH 38 FT. MAST ARM (CUT DOWN TO 20 FT.) WITH SIGNAL HEADS, SIGNS, AND PUSHBUTTON AND SIGN. (NOTE: ONE-4 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009.
L. INSTALL METERED POWER SERVICE PEDESTAL.
M. INSTALL 4" PVC CONDUIT - SLOTTED.
N. INSTALL 12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
O. INSTALL 24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
P. REMOVE EXISTING PAVEMENT MARKINGS (CROSSHATCHING TYP.).
Q. USE EXISTING HANDHOLE.
R. CAP AND ABANDON EXISTING CONDUIT.
S. REMOVE EXISTING HANDHOLE.
T. USE EXISTING HANDHOLE. PULL BACK EXISTING INTERCONNECT CABLE AND REROUTE IN NEW CONDUIT RUN.
U. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, 10 FT. LIGHTING ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE-2 IN. AND ONE-4 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009.
V. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 10 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND PEDESTRIAN SIGNAL. (NOTE: ONE-2 IN. AND ONE-4 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009.
W. LOCATE EXISTING CONDUIT, PLACE AND INSTALL NEW HANDHOLE ON EXISTING CONDUIT AND RE- ROUTE EXISTING CABLE THROUGH THE NEW CONDUIT INSTALLATION.
X. REMOVE EXISTING PEDESTAL POLE, TOP SIGNAL HEAD AND SIGNS.
Y. INSTALL GROUND MOUNTED SIGN.
Z. INSTALL MODIFIED PEDESTAL POLE BASE (MD 801.01) FOR 5 FT. PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT HIGHEST THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, 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.

CONSTRUCTION DETAILS CONT.

AA. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
BB. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, AND LANE CONTROL CABINET. (NOTE: ONE-4 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009.
CC. REMOVE EXISTING HANDHOLE, PULL BACK EXISTING INTERCONNECT CABLE, AND REROUTE IN NEW CONDUIT RUN.
DD. REMOVE EXISTING GROUND MOUNTED SIGN.
EE. REMOVE EXISTING LANE CONTROL CABINET, POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
FF. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (NOTE: MONTGOMERY COUNTY WILL RELOCATE THE SPREAD SPECTRUM TRANSCEIVER FOR WIFI TO NEW POLE.)
GG. INSTALL TWO 4" PVC CONDUITS - SLOTTED.
HH. REMOVE-REINSTALL DECORATIVE BRICK SIDEWALK.
JJ. INSTALL 3" PVC CONDUIT - SLOTTED.

TOD NO;XX444-20
SHA NO:MO526ASC/C5C
US 29/MD 384 @ MD 97/US 29

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: Robert

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

REVISIONS
1 RECONSTRUCTED SIGNAL & ADDED APS& CPS
S.H.A.NO.1XX445185 2/20/09
R.M. RDBWA
A REDRAWN.RECONST.DUE TO LANE CHANGES. ADD NEW REVERSIBLE LANE STA.
BW-495-802-312 04/92
EJW | SR | EP | TH

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

COLESVILLE ROAD (US 29/MD 384) AND GEORGIA AVENUE (MD 97/US 29)

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 04/17/72 CONTRACT NO. MO-880X-375
DESIGNED BY W.K. TAYLOR COUNTY MONTGOMERY
DRAWN BY E.J. WOLANIN LOGMILE 15002900.82
CHECKED BY TIMS NO. J914
F.A.P. NO. TOD NO.
TS NO.TS-446 B DRAWING - OF SHEET NO. 1 OF 3

PLOTTED: Friday, February 27, 2009 AT 10:54 AM
FILE: P:\04-005 Signals\US 29 @ MD 97\DRAWINGS\CADD\Working\pSG_PC01_US29.dgn