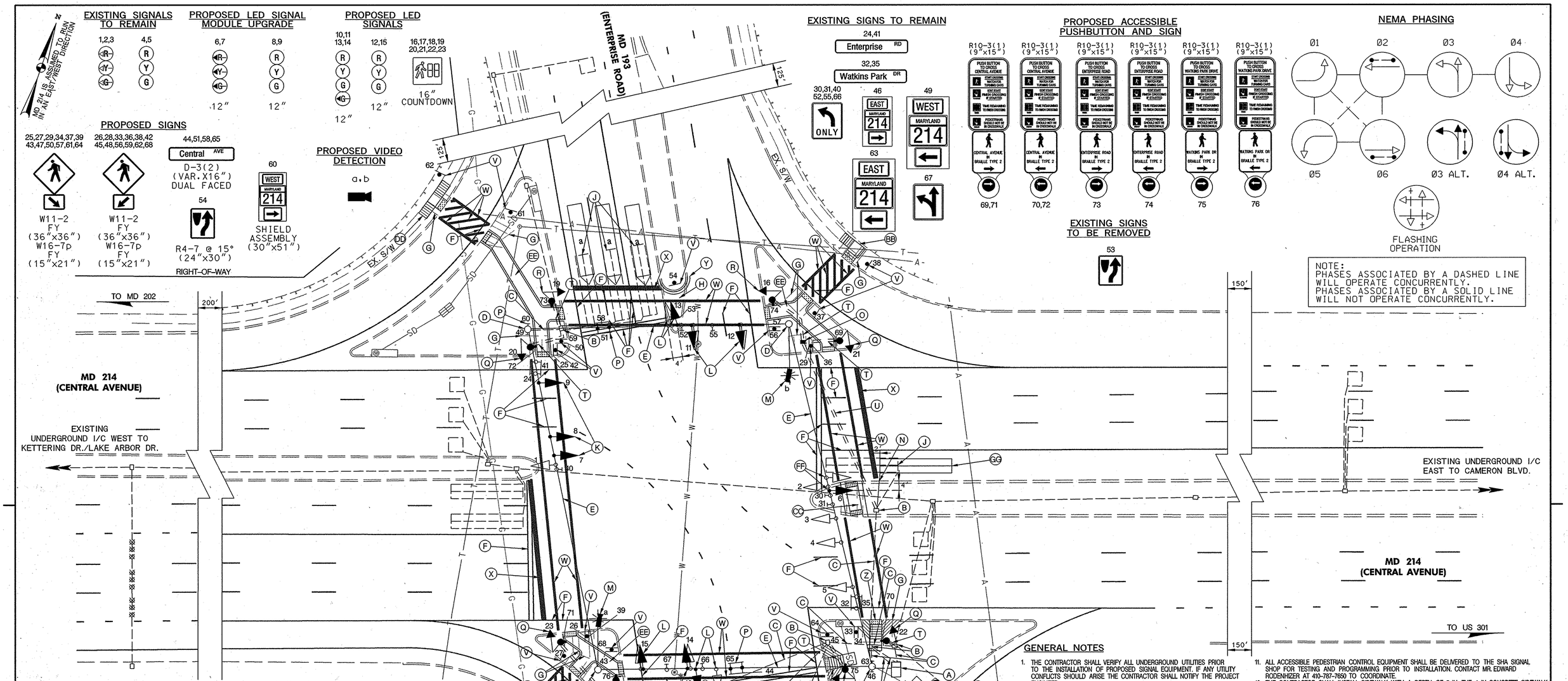

CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET
B. USE EXISTING HANDHOLE
C. USE EXISTING CONDUIT
D. USE EXISTING STRAIN POLE
E. USE EXISTING SPAN WIRE
F. REMOVE EXISTING PAVEMENT MARKINGS
G. REMOVE EXISTING SIDEWALK RAMP
H. REMOVE EXISTING MEDIAN. CONTRACTOR SHALL INSTALL 2 LAYERS OF 4 IN. CONCRETE AND MATCH TO GRADE OF PAVEMENT
J. ABANDON EXISTING LOOP DETECTOR
K. INSTALL LED SIGNAL HEAD MODULES
L. REMOVE EXISTING TRAFFIC SIGNAL HEAD AND INSTALL NEW LED TRAFFIC SIGNAL HEAD
M. INSTALL VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM
N. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
O. INSTALL ELECTRICAL HANDHOLE
P. INSTALL OVERHEAD SIGN
Q. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, ACCESSIBLE PUSHBUTTON, COUNTDOWN PEDESTRIAN SIGNAL AND SIGN R10-3(1) "PUSH BUTTON TO CROSS CENTRAL AVENUE"
R. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, ACCESSIBLE PUSHBUTTON, COUNTDOWN PEDESTRIAN SIGNAL AND SIGN R10-3(1) "PUSH BUTTON TO CROSS ENTERPRISE ROAD"
S. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, ACCESSIBLE PUSHBUTTON, COUNTDOWN PEDESTRIAN SIGNAL AND SIGN R10-3(1) "PUSH BUTTON TO CROSS WATKINS PARK DRIVE"
T. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – TRENCHED (SEE NOTE 13)
U. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – BORED (SEE NOTE 13)
V. INSTALL GROUND MOUNTED SIGN(S) ON ONE 4 IN. x 6 IN. WOOD POST
W. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK (SEE NOTE 5)
X. INTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
Y. CONSTRUCT STANDARD TYPE A COMBINATION CURB AND GUTTER (MD STD. 620.02)
Z. CONSTRUCT MD STD. 655.11 SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE, REFERENCE MD STD. 655.40.
AA. CONSTRUCT MD STD. 655.12 SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE, REFERENCE MD STD. 655.40. CONSTRUCT ONLY PORTION OF RAMP SHOWN. CONSTRUCT STANDARD TYPE A CURB (MD STD. 620.02) IN LIEU OF OTHER FLARE.
BB. CONSTRUCT MD STD. 655.13 SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE, REFERENCE MD STD. 655.40. CONSTRUCT ONLY PORTION OF RAMP SHOWN. CONSTRUCT STANDARD TYPE A CURB (MD STD. 620.02) IN LIEU OF OTHER FLARE.
CC. CONSTRUCT MD STD. 655.21 CUT-THROUGH (5 FT. WIDE) WITH DETECTABLE WARNING SURFACES, REFERENCE MD STD. 655.40.
DD. CONSTRUCT MD STD. 655.13 SIDEWALK RAMP (5 FT. x 4 FT. LANDING, 6 FT. SIDE FLARES) WITH DETECTABLE WARNING SURFACE, REFERENCE MD STD. 655.40.
EE. CONSTRUCT MD STD. 655.21 CUT-THROUGH (5 FT. WIDE) AS SHOWN WITH DETECTABLE WARNING SURFACES, REFERENCE MD STD. 655.40. CONSTRUCT STANDARD TYPE A CURB (MD STD. 620.02) IN LIEU OF SIDE FLARES.
FF. RELOCATE EXISTING TRAFFIC SIGNAL HEAD AND INSTALL NEW LED SIGNAL HEAD MODULES
GG. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS)

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER.
2. WITHIN 36 IN. OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
3. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
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, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. THE CONTRACTOR SHALL REFER TO FIGURE 3B-17a OF THE 2006 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.
6. VIDEO CAMERA LOCATIONALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
7. 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.
8. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
9. IF THE LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST BE CHANGED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER TO OBTAIN APPROVAL FOR THE NEW LOCATION TO ENSURE MUTCD SEC. 4E.09 AND FIG. 4E-2 REQUIREMENTS ARE MET. ALL WORK MUST BE HALTED UNTIL THE PROJECT ENGINEER HAS OBTAINED AN APPROVED LOCATION OR IF NECESSARY A DESIGN WAIVER IS OBTAINED.
10. THE CONTRACTOR SHALL INSTALL A 6 IN. SLEEVE IN ALL CONCRETE AREAS WHERE SIGNS ARE PROPOSED.
11. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-767-7650 TO COORDINATE.
12. THE CONTRACTOR SHALL INSTALL SIDEWALK WITH A DEPTH OF 5 IN. THE 4 IN. CONCRETE SIDEWALK QUANTITY HAS BEEN INCREASED BY A FACTOR OF 1.25 TO ACCOUNT FOR THE ADDED DEPTH.
13. THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO SIDEWALK AND RAMP CONSTRUCTION.
14. THE CONTRACTOR SHALL REMOVE EXISTING SIDEWALK RAMPS AT THE NEAREST JOINT.
15. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
16. THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALKS ON THE NEW RAMPSCUT-THROUGHS.
17. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
18. THE CONTRACTOR SHALL REMOVE THE EXISTING STOPLINES COMPLETELY AND REMOVE ONLY THE EXISTING PAVEMENT LINE MARKINGS WITHIN THE PROPOSED CROSSWALKS AND STOPLINES.
19. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS THROUGH THE INTERSECTION DURING CONSTRUCTION WITH NECESSARY DETOURS AT THE DISCRETION OF THE PROJECT ENGINEER.
20. POLES ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEEL CHAIR FROM A 60"X60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.

GEOMETRIC LEGEND

EXISTING
PROPOSED

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: thompsma

TOD NO: AT925-13
SHA No: PG587A52/C52
MD 214 @ MD 193

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

REVISIONS

1. INSTALL APS AND COUNTDOWN PED. SIGNALS ACROSS ALL LEGS. SHA# AT9255185 3/2007
STV MCG | MWS | MW | WRH
H. JUNE 9, 2006 RELOCATE CONDUIT HANDHOLE & LOOP DETECTORS DUE TO GEOMETRIC CHANGE SHA# BW996N82
HJK
G. INSTALL NEW LOOP DUE TO GEOMETRIC CHANGE, SECOND THRU LANE. SHA# BW996M82 3/7/06
FDB

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

MD 214 (CENTRAL AVENUE) AT
MD 193 (ENTERPRISE ROAD / WATKINS PARK DRIVE)

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 5/2000 CONTRACT NO. PG401A51/B51

DESIGNED BY
DRAWN BY JEFF HENKEL
CHECKED BY MICKEY RUCKER
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16021406.77
T.I.M.S. NO. H519
TOD NO.

DRAWING NO. TS-12971 SHEET NO. 1 OF 3

PLOTTED: Wednesday, March 07, 2007 AT 10:05 AM
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