MD 500 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED LED SIGNALS

1,2 (Y)

PROPOSED LED MODULE UPGRADE

3,4,5,6: (R) (Y) (Y) 12"/8"

7,8,9,10: (R) (R) 12"

EXISTING SIGNALS TO REMAIN

11,12,13,14

EXISTING SIGNS TO REMAIN

16 SPEED LIMIT 35

19

20,25,29,32

21 FY

23,23a,26,26a Buchanan ST

24,31 FY

27,30 PED X-ING FY

28 FY

33,35 STOP

34 YIELD

36,38 STOP

37 ONE WAY

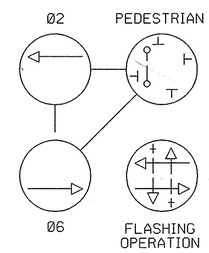
39 DO NOT ENTER

EXISTING ACCESSIBLE PUSHBUTTON AND SIGN TO BE REMOVED

40a,42a

41a

NEMA PHASING



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

PROPOSED SIGNS

17 W3-3 (36"x36")

18 SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING W3-3(2) (120"x60")

22 M6-2(MOD) (21"x15") FY

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

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

40,42 41

EXISTING SIGNS TO BE REMOVED

15

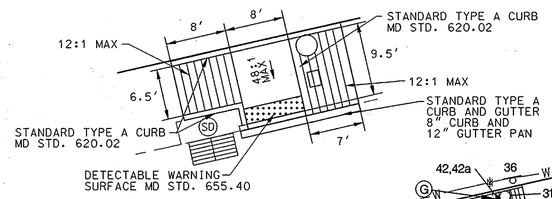
22a FY

LINE HEIGHTS (LH) 1

COMMUNICATION 1	13'-8"
COMMUNICATION 2	13'-10"
COMMUNICATION 3	15'-2"
COMMUNICATION 4	19'-2"
SECONDARY	30' +

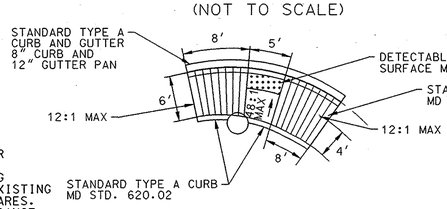
NW SIDEWALK RAMP DETAIL

(NOT TO SCALE)



SW SIDEWALK RAMP DETAIL

(NOT TO SCALE)



CONSTRUCTION DETAILS

A. INSTALL 16 FT. STEEL POLE WITH A 15 FT. "T" DIMENSION, A 60 FT. MAST ARM (CUT TO 40 FT.), FOUNDATION, SIGNS, AND LED TRAFFIC SIGNAL HEADS (NOTE: 1-3 IN. PVC BEND)
B. INSTALL LED SIGNAL HEAD MODULES
C. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
D. 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 BASE OF POLE FOR USE BY OTHERS.
E. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT
F. REMOVE OVERHEAD SIGN #22a AND INSTALL SIGN #22
G. REMOVE EXISTING ACCESSIBLE PUSHBUTTON AND SIGN AND INSTALL NEW ACCESSIBLE PUSHBUTTON AND SIGN R10-3(1) "PUSH BUTTON TO CROSS QUEENS CHAPEL RD" ON EXISTING PEDESTAL POLE.
H. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE. CAP AND ABANDON EXISTING CONDUIT AT NEAREST HANDHOLE.
J. USE EXISTING HANDHOLE
K. USE EXISTING CONDUIT
L. INSTALL 1-2 IN. PVC 90 DEGREE BEND IN EXISTING BASE MOUNTED CABINET
M. INSTALL DETECTABLE WARNING SURFACE SHA STD. MD 655.40 ON EXISTING CUT-THROUGH (SEE NOTE 9)
N. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE
O. INSTALL 5 IN. HEAT APPLIED DOUBLE YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
P. INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (3 FT. SKIPS) AS NECCESSARY TO CREATE A 3 FT. SKIP/3 FT. GAP/3 FT. SKIP LANE LINE
Q. REMOVE EXISTING SIDEWALK RAMP AND CONSTRUCT NEW SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE MD STD. 655.40 (SEE NW OR SW SIDEWALK RAMP DETAIL THIS SHEET)
R. ADJUST EXISTING HANDHOLE TO GRADE
S. REMOVE EXISTING PAVEMENT MARKINGS
T. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. 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.
3. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
5. 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.

GENERAL NOTES CONTINUED

6. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
8. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
9. PLACE 24 IN. WIDE DETECTABLE WARNING SURFACE ALONG THE FULLY DEPRESSED PORTIONS OF THE PROPOSED AND EXISTING RAMPS. THE MAT SHALL NOT EXTEND ONTO THE SIDE FLARES.
10. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STADNARDS.
11. THE CONTRACTOR SHALL INSTALL SIDEWALK WITH A DEPTH OF 5 INCHES. THE 4 INCH CONCRETE SIDEWALK QUANTITY HAS BEEN INCREASED BY A FACTOR OF 1.25 TO ACCOUNT FOR THE ADDED DEPTH.
12. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.

TOD NO: AT910-19
SHA NO: PG573A56/B56
MD 500 @ BUCHANAN ST

BY: weavercc

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

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

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF — ORIGINAL ON FILE

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

B 9/2007 REPLACE EXISTING HIB WITH MAST ARM SHA NO.: AT9105185 STV MCG CJW

A 10-05-04 REMOVE EXISTING FLASHER AND INSTALL COUNTDOWN PED FLASHER SHA NO.: AT9205185 JWA

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

MD 500 (QUEENS CHAPEL ROAD) AND BUCHANAN STREET

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 8/98 CONTRACT NO. AW2805185

DESIGNED BY _____ COUNTY PRINCE GEORGE'S
DRAWN BY D.A.NIES LOGMILE 16050000.73
CHECKED BY _____ T.I.M.S. NO. 1162
F.A.P. NO. AC-STPG-000S(591)E TOD NO. _____

DRAWING NO. TS-3867B OF SHEET NO. 1 OF 2

PLOTTED: Friday, August 31, 2007 AT 08:49 AM
FILE: I:\PROJECTS\0312513\0312513_0058\Drawings\TRA\MD 500 at Buchanan Street\pSG-P000_M500.dgn