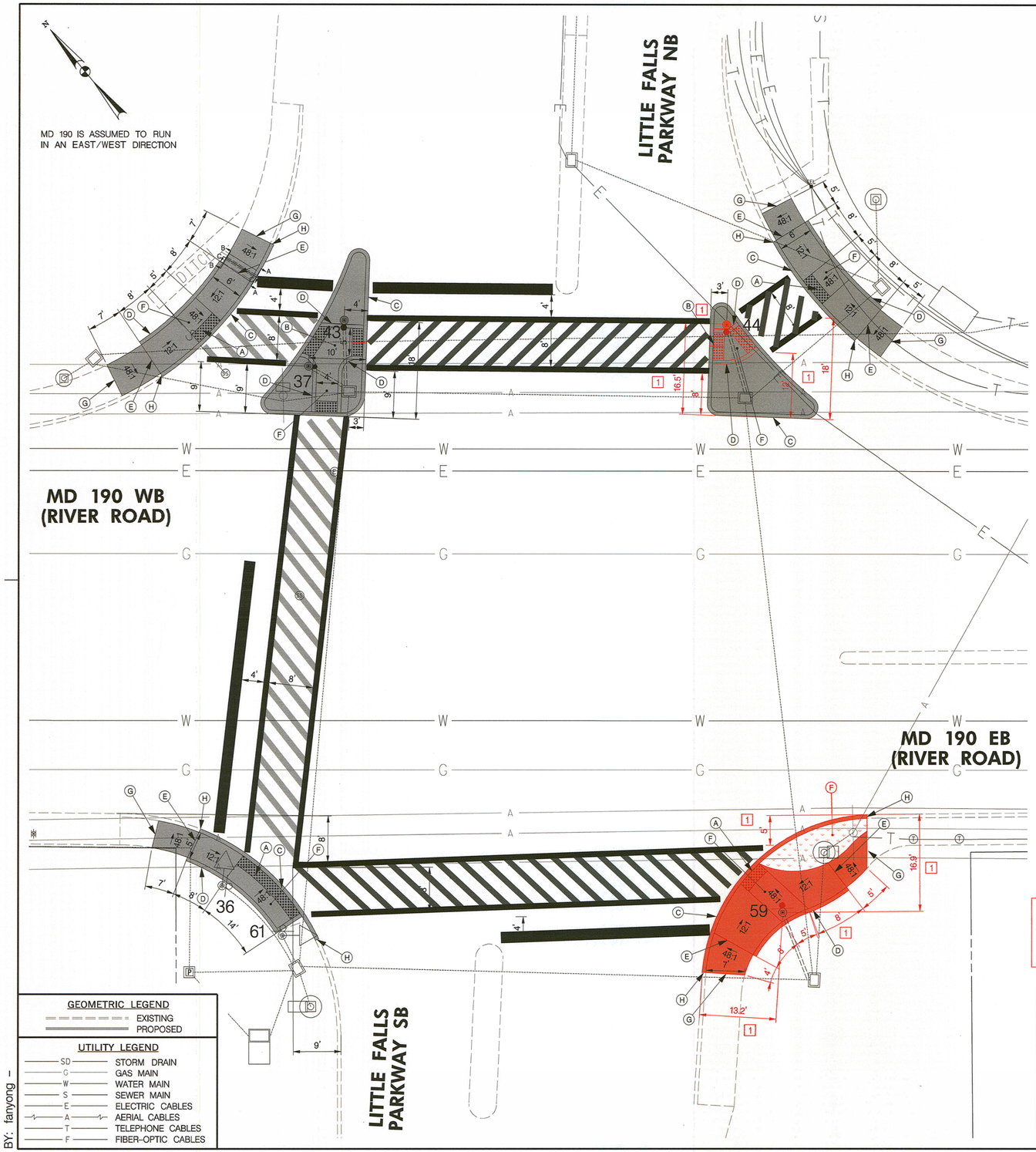


APS NOTES:

1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
2. THE 10' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
3. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09, SEC. 4E.10, FIG 4E-3, FIG 4E-4, AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
5. APS WILL FUNCTION AS FOLLOWS:

TO CROSS MD 190 (RIVER ROAD) AT LITTLE FALLS PARKWAY (SIGN# 36 & 37)

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS RIVER AT LITTLE FALLS, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS LITTLE FALLS PARKWAY AT MD 190 (RIVER ROAD) (SIGN# 43,44,59 & 61)

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS LITTLE FALLS AT RIVER, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

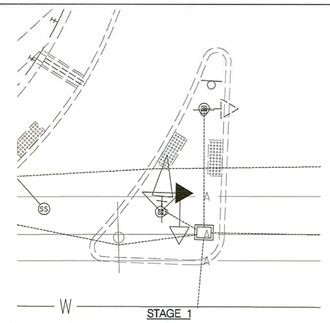
GEOMETRIC CONSTRUCTION DETAILS:

A. INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12).
B. INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21).
C. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
D. INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02).
E. BEGIN 12:1 RAMP.
F. 48:1 LEVEL LANDING AREA.
G. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
H. TIE NEW CURB TO EXISTING CURB AT JOINT.
J. BACKFILL WITH SEED AND MULCH.

GENERAL NOTES:

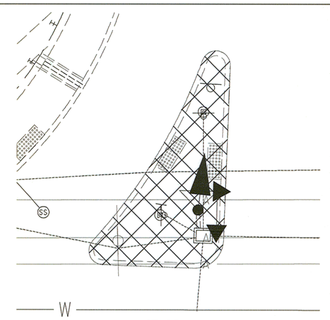
1. SEE SHEET 3 FOR SECTION A-A, B-B AND C-C.

CONSTRUCTION STAGES:
ISLAND REBUILD IN NW QUADRANT
NOT TO SCALE



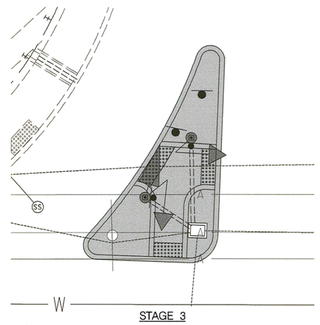
STAGE 1

1. MOVE EXISTING SINGLE PED HEAD TO EXISTING 14' PEDESTAL POLE, PULL BACK AND REDIRECT WIRE.



STAGE 2

1. MOVE EXISTING 14' PEDESTAL POLE ONTO NEW FOUNDATION FOR TEMPORARY POLE WITH ALL ATTACHED SIGNAL AND PED HEADS. PULL BACK AND REDIRECT EXISTING WIRE.
2. REMOVE CONCRETE (LEAVE EXISTING HANDHOLE), SIGNS, SIGNAL AND PED POLE WITH ALL REMAINING EQUIPMENT.
(NOTE: NO PUSHBOTTONS, PHASING WILL BE DEFAULT FOR CROSSINGS)



STAGE 3

1. INSTALL PROPOSED 14' & 10' PEDESTAL POLES WITH NEW FOUNDATIONS, ALL NECESSARY SIGNALS AND EQUIPMENT.
2. PULL BACK EXISTING WIRE FROM TEMPORARY POLE AND REDIRECT.
3. INSTALL MEDIAN CUT-THROUGH AS SHOWN.
4. ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER.

1 REDLINE REVISION NO. 1 - 07/10/2013
07/16/2013
TEDD APPROVAL

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 CABLES

LEGEND SYMBOL
18" PED POLE FOUNDATION W/SIGN AND PUSHBUTTON
PED SIGN AND PUSHBUTTON
=== CONDUIT RUN

1 GEOMETRIC LEGEND
EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
NEW SIDEWALK AND ADA HANDICAP RAMP
SEED AND MULCH

BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9240 Rumsey Road; Suite C
Columbia, Maryland 21045
Phone 410-884-3607
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 190 (RIVER ROAD) AND LITTLE FALLS PARKWAY
BETHESDA, MD

GEOMETRIC PLAN SHEET

SCALE 1" = 10' ADVERTISED DATE 03/2013 CONTRACT NO. XY1285185

DESIGNED BY	DM	COUNTY	MONTGOMERY
DRAWN BY	DM	LOGMILE	15019015.19
CHECKED BY	RM	TIMS NO.	L310
F.A.P. NO.		TOD NO.	

TS NO. 31808C | DRAWING SG-2 OF 2 | SHEET NO. 2 OF 4

PLOTTED: Wednesday, July 10, 2013 AT 04:46 PM
FILE: P:\09-002 TEDD\Task 87 MD 190 & Little Falls Pkwy\Drawings\CADD\Working\pSG-P002_M190@LFP.dgn

BY: fanyong