CONTRACTOR SHALL TAKE EXTRA CARE WHEN WORKING AROUND THE EXISTING SANITARY SEWER LINES. CONTRACTOR SHALL NOT SIT EQUIPMENT ON THE LINE, EXCAVATE, OR POUND ROCKS INTO PLACE OVER THE LINE, ETC.

NO RIPRAP SHALL BE INSTALLED OVER SANITARY SEWER. CROSSING. PLACE 5' OF CLASS II RIPRAP UP TO BANKFULL, UPSTREAM AND DOWNSTREAM OF THE CROSSING. REINFORCED BED MATERIAL SHALL BE PLACED DIRECTLY ON TOP OF THE CROSSING (5' WIDTH) TO COVER PIPE BETWEEN RIPRAP STABILIZATION. SALVAGED COBBLE/GRAVEL/SAND SUBSTRATE SHALL BE PLACED OVER CLASS II RIPRAP AND PIPE.

TRIBUTARY #4. REMOVE 8' SECTION OF EXISTING 15" RCP TO RAISE INVERT OUT ELEVATION TO APPROX. 329.00'. REPLACE HEADWALL. SEE PROFILE ON THIS SHEET

PEDESTRIAN BARRIER - SEE EROSION AND SEDIMENT CONTROL PLAN FOR DETAILS.

REPLACE EXISTING BRIDGE (WSSI ID #LAW-01, NO RESTON PLAC. #) WITH 4' WIDE PEDESTRIAN BRIDGE. SEE BRIDGE DETAILS SHEET FOR DESIGN AND DETAILS. TRAIL SHALL TIE INTO EXISTING TRAILS AS SHOWN AND BE 8' WIDE, 2" THICK TYPE I ASPHALT BIKEWAY WITH 2' SHOULDER PURSUANT TO THE FAIRFAX COUNTY PFM SECTION 8-0000, "SIDEWALKS, TRAILS, AND RECREATION".

PAVED TRAIL SHALL REMAIN OPEN. IF A CLOSURE NEEDS TO OCCUR WHEN WORK IS TAKING PLACE IMMEDIATELY ADJACENT TO THE TRAIL, HOA BOARD SHALL BE NOTIFIED IN ADVANCE.

WORK TO BE LIMITED TO WITHIN THE EXISTING CHANNEL AS MUCH AS POSSIBLE USING SUITABLE TRACKED EQUIPMENT TO LIMIT IMPACT TO TREES AND OTHERWISE STABLE BANKS.

CONTACT MISS UTILITY (800-552-7001) PRIOR TO COMMENCING ANY WORK.

PRIOR TO CONSTRUCTION, LOC SHALL BE WALKED WITH WSSI STAFF TO CONFIRM TREE REMOVAL.

MH 12A (RIM = 337.86)
MH 12B: INV. EL. IN = 330.31 (8")
INV. EL. OUT = 330.26 (8")

EX. 10' SAN. SEWER ESMT. (D.B. 2588, PG. 1)

EX. 15' WATER MAIN ESMT. (D.B. 2588, PG. 1)

EX. 10' CHILLED WATER ESMT. (D.B. 2588, PG. 1)

WATERVIEW CLUSTER ASSOCIATION STREAM EASEMENT (TEMPORARY) D.B. 21689 PG. 2032

WATERVIEW CLUSTER ASSOCIATION STREAM EASEMENT (RESTORATION) D.B. 21689 PG. 2026

FILL IN AND AROUND TREE CLUSTER

FILL IN AND AROUND TREES #38672, #38673, #38674, #38540, #38542

FILL IN AND AROUND TREES #38650, #38553, #38561, AND #38616.

REINSTALL LIGHTPOST ALONG RELOCATED TRAIL.

TRIBUTARY #3

TRIBUTARY #2

TRIBUTARY #4

24" RCP T.O.P. EL. 332.19

24" RCP T.O.P. EL. 318.06

EL. 333.2

EL. 333.0

MATCHLINE - SEE SHEET 3

TEMPORARY ACCESS PATH

EX. PAVED TRAIL

LAKE ANNE

4'x6' BOX CULVERT INV. IN: 323.64

EXISTING CULVERT TO REMAIN. RESTORE DRAINAGE SWALE WHEN FINISHED WITH CUT-IN.

MH 10 (RIM = 335.00)
MH 10A: INV. EL. IN = 315.85 (24")
MH 11: INV. EL. IN = 324.28 (8")
INV. EL. OUT = 315.77

EX. 10' CHILLED WATER ESMT. (D.B. 2588, PG. 1)

EX. 20' SAN. SEWER ESMT. (D.B. 2431, PG. 319)

EX. 15' WATER MAIN ESMT. (D.B. 2588, PG. 1)

MH 12 (RIM = 342.05)
MH 13: INV. EL. IN = 329.87 (8")
MH 12A: INV. EL. IN = 329.85 (8")
INV. EL. OUT = 329.82 (8")

EX. 10' SAN. SEWER ESMT. D.B. 2588, PG. 1

EX. 20' STRM DRAIN. ESMT. (DB. 2588, PG. 1)

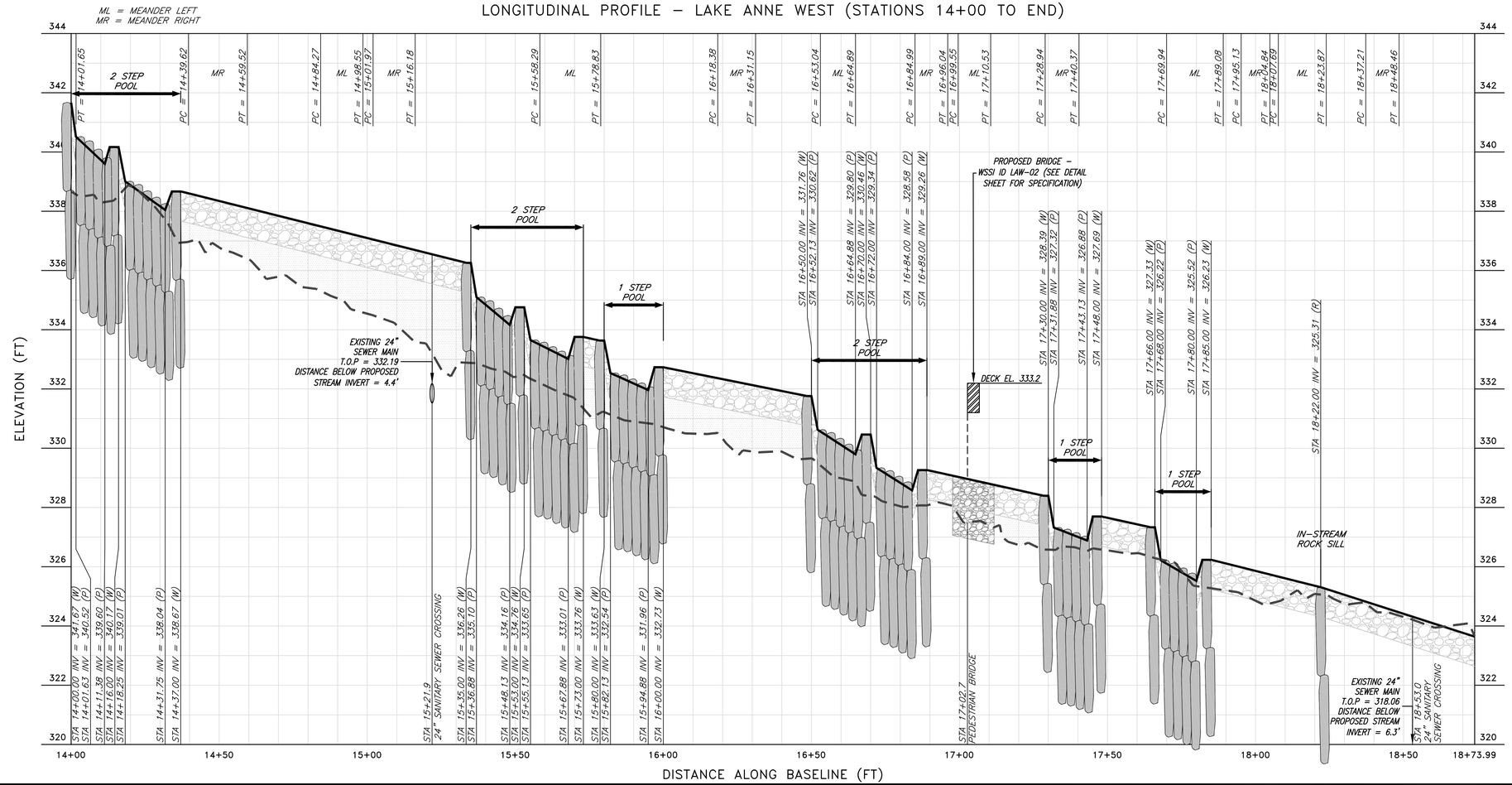
MH 11 (RIM = 335.67)
MH 12: INV. EL. IN = 327.37 (8")
MH 11A: INV. EL. IN = 327.57 (8")
INV. EL. OUT = 327.32 (8")

TRIBUTARY #2. REPLACE EXISTING 15" RCP AND HEADWALL. NEW INVERT OUT ELEVATION SHALL BE APPROX. 335.00'. SEE PROFILE ON THIS SHEET.

ALL LIGHTPOSTS ALONG ACCESS PATH SHALL BE PROTECTED FROM POTENTIAL DAMAGE OR REMOVED FROM SITE DURING CONSTRUCTION AND PROPERLY REINSTALLED AFTER.

PEDESTRIAN BARRIER - SEE EROSION AND SEDIMENT CONTROL PLAN FOR DETAILS.

LONGITUDINAL PROFILE – LAKE ANNE WEST (STATIONS 14+00 TO END)



GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET) 1 inch = 20 feet

SEE SHEET 5 FOR GRADING AND LONGITUDINAL PROFILE LEGENDS AND NOTES.

LONGITUDINAL PROFILE
SCALE: H: 1"=20'
V: 1"= 2'

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Northern Virginia Stream Restoration Bank
Lake Anne West
Fairfax County, Virginia

Grading Plan and Longitudinal Profile (cont'd)

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COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
FRANK R. GRAZIANO Lic. No. 032099

REVISIONS

No.	Date	Description	Rev. By	App. By

DATE: OCTOBER 2011
SCALE: 1" = 20'

Horizontal Datum: VCS NAD 83
Vertical Datum: NGVD 29
Boundary and Topo Source: WSSI and Fairfax Digital Data

Design	Draft	Approved
KLP	KLP	FRG

Sheet # 4 of 51

Computer File Name:
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