WINDSOR LAKE
W.S.E. 96.00
WINDSOR LAKE CORPORATION
TAX NO. 5110105
PLAT BOX 4 PG. 91

PL. BK. 4 PG. 91
RECORD ROANOKE COUNTY
MERDIAN

ORRIN W. & DOROTHY S. CLIFTON
TAX NO. 5060415
D.B. 999 PG. 453 (ROANOKE COUNTY)

J. GREGORY & CATHERINE H. TINAGLIA
TAX NO. 5110310
D.B. 1580 PG. 1673

161.67' TO Ex. SSMH #14

12"ss

BEGIN LEVEL SPILLWAY– CLASS I RIP–RAP 3
ELEV=96.50

Iron Pin Found

NEW 20' SANITARY SEWER EASEMENT

74' Between MAN-hole 11 & 13

36'

18'

NEW SCH. 40 PVC 4" SANITARY SEWER LATERAL TO SSMH #13 SLOPE @ 1/4" PER FOOT MINIMUM SLOPE

SSCO

LEE B. SLOVER & JULIE A. DREWRY
TAX NO. 5110311
INST NO. 040009006

Ex. Rip–Rap Lined Emergency Spillway Discharge Channel

END LEVEL SPILLWAY/BEGIN CLASS II RIP–RAP LINED DISCHARGE CHANNEL 3
ELEV=96.50

Ex. Foot Bridge 1

LIMITS OF DISTURBANCE (0.67 Ac.)

8 Ex. Overflow/Drain Riser Structure

EMBANKMENT CROSS SECTION BASELINE
SEE SHEET C–3 FOR CROSS SECTIONS

Existing Ground Elevation, Typ.

LIMITS OF DISTURBANCE (±0.67 Ac.)

2:1 SLOPE

EDGE OF WATER

Ex. Top of Embankment

NEW TOP OF EMBANKMENT

BENCHMARK
CHISELED "X" IN M.H. Top
ELEV. = 100.22

LIMITS OF DISTURBANCE (0.67 Ac.)

90' Sanitary Sewer Easement

FILTER DRAIN 4

5 Existing Rip–Rap

NEW OBSERVATION MANHOLE 4

SOLID WALL PIPE

Brush/Woods

6 WINDSOR LAKE CORPORATION
EXIST. 12' DAM ACCESS EASEMENT
INST NO. 030002119

IRON PIN FOUND
ON LINE AT 385.45'

TO CHESTERTON STREET

NEW OUTFALL V–DITCH
Ex. 10" Cast Iron Inv. = 69.33

NEW DISCHARGE CHANNEL CLASS II RIP–RAP LINED 3

IRON PIN FOUND
BEARING S44°40'12"E 0.36'

IRON PIN FOUND
ON LINE AT 219.66'

Ex. Channel

Ex. Rip–Rap Lined Emergency Spillway Discharge Channel

DOROTHY S. CLIFTON
TAX NO. 5060414
D.B. 1712 PG. 11

LEE B. SLOVER & JULIE A. DREWRY
TAX NO. 5110312
INST NO. 050011589

Ex. Sanitary Sewer Manholes

(10) Top = 100.16
4" Inv In = 95.55
12" Inv In = 94.26
Inv Out = 94.06

(12) Top = 99.89 Removed
4" Inv In = 95.98
12" Inv In = 95.04
12" Inv Out = 94.94

(14) Top = 106.25
12" Inv Out = 95.95

KEYNOTES

1 EXISTING FOOT BRIDGE TO BE REMOVED.

2 NEW SANITARY SEWER FROM SSMH #11 TO SSMH #13. REFER TO SHEET C–4 FOR PROFILE. SEE SHEET C–5 FOR WESTERN VIRGINIA WATER AUTHORITY (W.V.W.A.) DETAILS. (NOT IN CONTRACT. WORK TO BE PERFORMED BY W.V.W.A..)

3 NEW SPILLWAY AND DISCHARGE CHANNEL. SEE SHEET C–5 FOR DETAILS AND SECTIONS.

4 NEW FILTER DRAIN AND OBSERVATION MANHOLE. SEE SHEET C–5 FOR DETAILS AND SECTIONS. LOCATION AND EXTENT OF FILTER DRAIN AS SHOWN IS APPROXIMATE. ACTUAL LOCATION AND EXTENT TO BE DETERMINED IN FIELD BY GEOTECHNICAL ENGINEER.

5 CONTRACTOR TO SALVAGE EXISTING RIP–RAP AND REUSE WHERE PRACTICLE.

6 ACCESS TO PROJECT SITE SHALL BE THROUGH ASPHALT DRIVEWAY AT 4235 CHESTERTON STREET, S.W. AND DIRT ACCESS ROAD FROM DRIVEWAY TO DAM. CONTRACTOR MAY BE REQUIRED TO LIMB TREES ALONG THE DIRT ACCESS ROAD TO ENSURE UN–OBSTRUCTED ACCESS TO THE PROJECT. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING SITE ACCESS.

7 PLACE CONCRETE ON AND BETWEEN RIP–RAP TO FORM A 5–FOOT WIDE LEVEL AND SMOOTH SURFACE SUITABLE FOR WALKING ACROSS THE SPILLWAY. DO NOT PLACE CONCRETE HIGHER THAN ELEVATION 96.50.

8 CONTACTOR SHALL MODIFY THE EXISTING OVERFLOW STRUCTURE AS REQUIRED TO MAINTAIN DURING CONTRUCTION A NORMAL WATER SURFACE ELEVATION OF 92.0–92.50. UPON COMPLETEION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL RESTORE OVERFLOW STRUCTURE TO MAINTAIN NORMAL WATER SURFACE ELEVATION OF 96.0.

LEGEND

EXISTING RIP–RAP
NEW RIP–RAP
AREA OF LEVEL SPILLWAY
ELEVATION = 96.50

(SF) SILT FENCE

7-12-07
~~7-13-07~~ Jack Booth

SCALE IN FEET
0 20 40

COMMONWEALTH OF VIRGINIA
WM. THOMAS AUSTIN
No. 030907
PROFESSIONAL ENGINEER

Revisions	Date

Issue Date: March 28, 2007
Drawn By: CZV
Designed By: WTA
Checked By: WTA
Date: 8/23/06

Mattern & Craig
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WINDSOR LAKE CORPORATION
SPILLWAY MODIFICATIONS
PROPOSED CONDITIONS
ROANOKE, VIRGINIA

Vertical Scale: N/A
Horizontal Scale: 1"=20'
Commission Number: 2469
Sheet No.: C-2

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