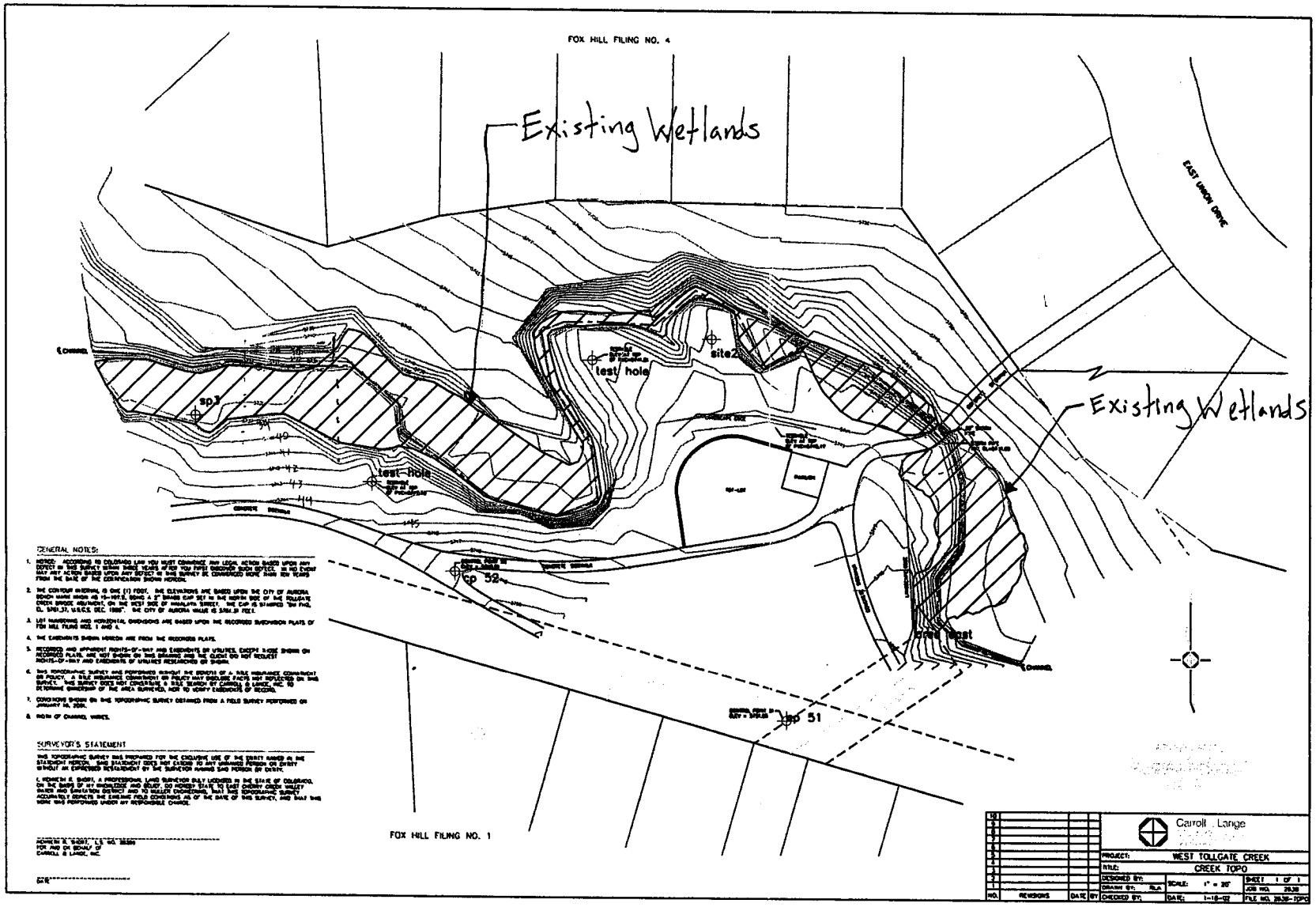

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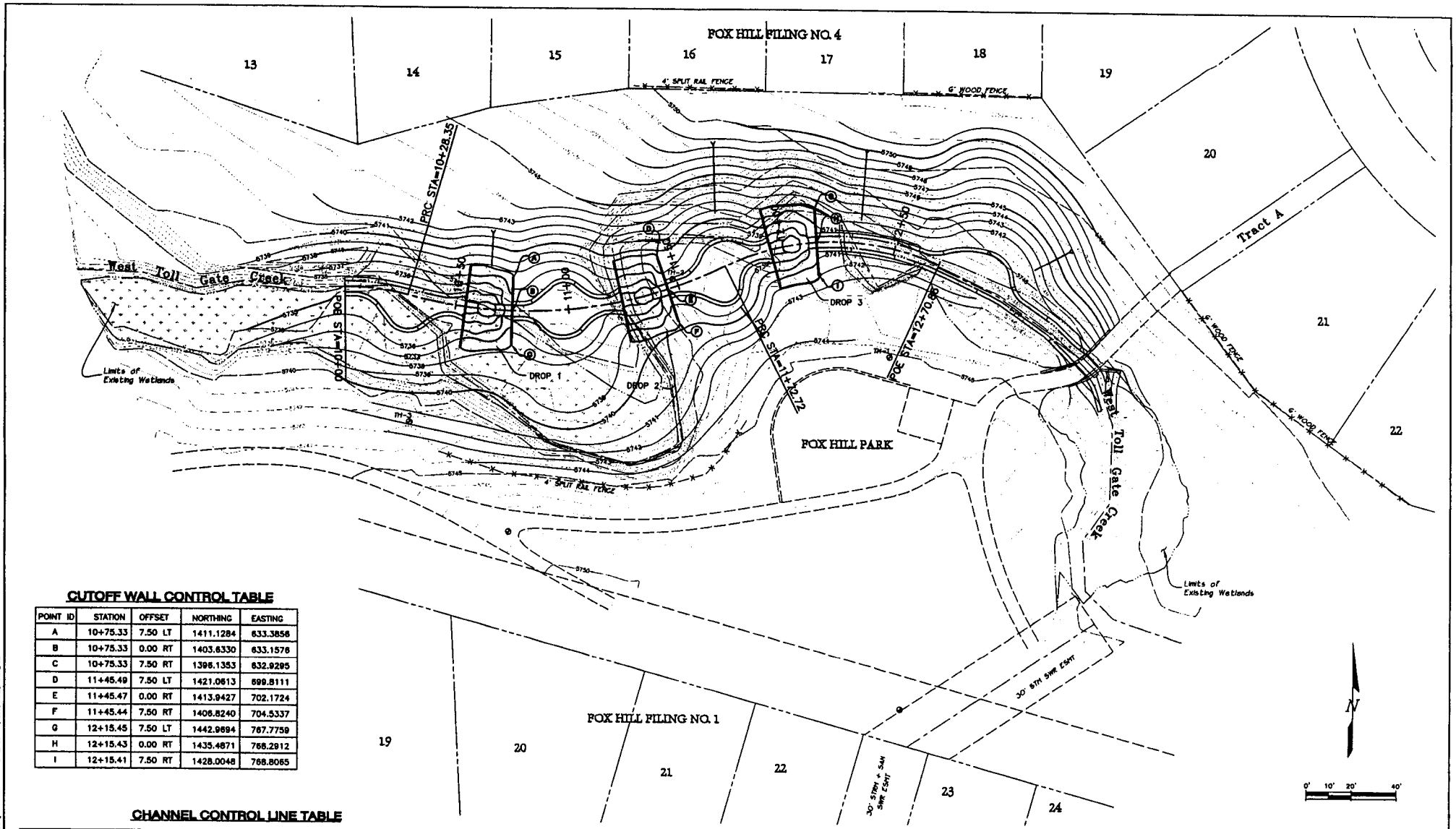
Corps File No. 200280836
East Cherry Ck Valley Water & Sanitation
Drop Structures/Stream Stabilization
Existing View Figure 1



CUTOFF WALL CONTROL TABLE

POINT ID	STATION	OFFSET	NORTHING	EASTING
A	10+75.33	7.50 LT	1411.1284	633.3856
B	10+75.33	0.00 RT	1403.6330	633.1576
C	10+75.33	7.50 RT	1396.1353	632.9295
D	11+45.49	7.50 LT	1421.0613	699.8111
E	11+45.47	0.00 RT	1413.9427	702.1724
F	11+45.44	7.50 RT	1406.8240	704.5337
G	12+15.45	7.50 LT	1442.9694	767.7759
H	12+15.43	0.00 RT	1435.4871	768.2912
I	12+15.41	7.50 RT	1428.0048	768.8065

CHANNEL CONTROL LINE TABLE

ALIGNMENT DATA				CURVE INFORMATION			
STATION	POINT DESCRIPTION	NORTHING	EASTING	CURVE	LENGTH	RADIUS	Δ ANGLE
10+00.00	POB	1413.7710	558.7237	C4	28.35	100.00	16°14'37"
10+28.35	PRC	1410.3827	586.7752	C5	144.37	200.00	41°21'33"
12+72.72	PRC	1424.3401	727.3404	C6	98.12	110.00	51°06'37"
12+70.85	PT	1425.6568	822.2349				

REVISIONS				
NO.	DATE	BY	CHK'D	DESCRIPTION

MULLER ENGINEERING CO., INC.
CONSULTING ENGINEERS
SUGARITE & FUTE LAN
777 S. FAIRFOUTH BLVD.
LAKEWOOD, COLORADO 80226
(303) 986-1666

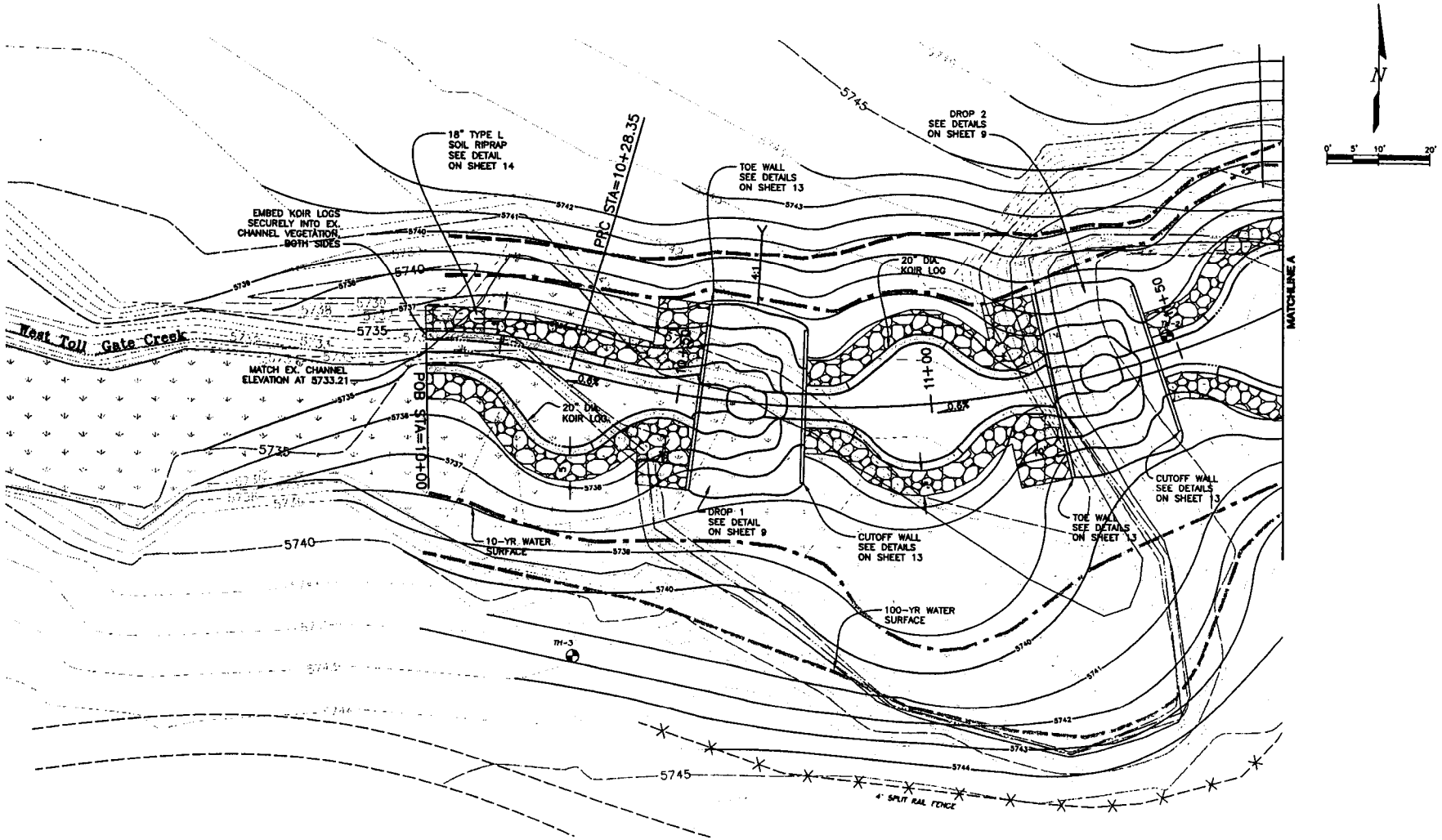
WEST TOLL GATE CREEK
STREAM STABILIZATION

HORIZONTAL CONTROL PLAN

East Cherry Creek Valley
Water & Sanitation District
4343 S. Buckley Road, Suite 300
Aurora, Colorado 80015
(303) 693-3800

DESIGNED	CLK	DATE	6/3/2002
DRAWN	JHK	FILE	01038-HORZ
CHECKED	CLK	PROJ. NO.	01038.01
SCALE	1"=20'	SHEET	2 OF 14

Corps File No. 200280836
East Cherry Ck Valley Water & Sanitation
Drop Structures/Stream Stabilization
Project Plan View Figure 2



REVISIONS				
NO	DATE	BY	CHK'D	DESCRIPTION

WEST TOLL GATE CREEK
STREAM STABILIZATION

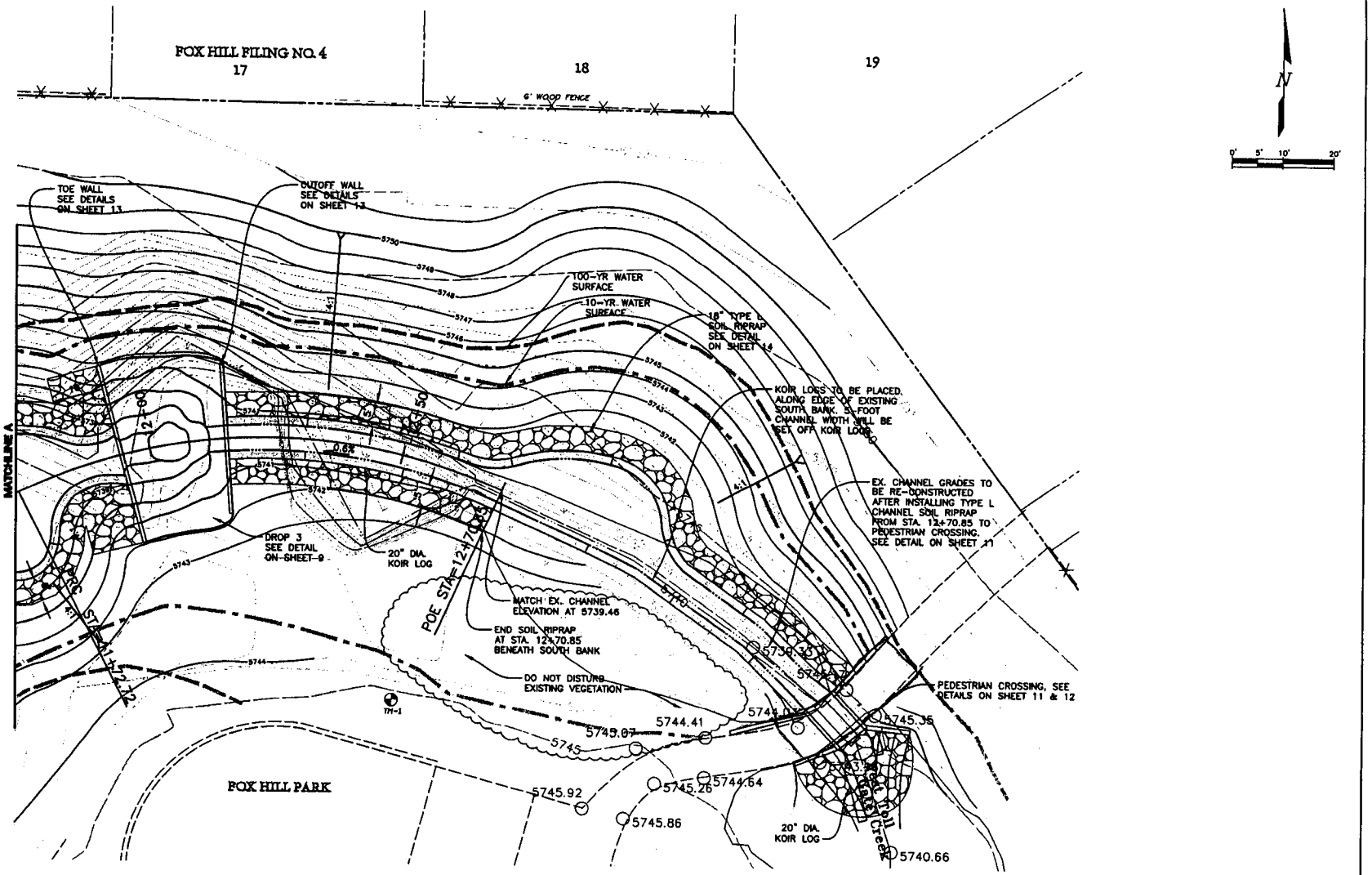
DROP 1 & 2 GRADING PLAN

MULLER ENGINEERING CO., INC.
CONSULTING ENGINEERS
DONGATE 4, SUITE 100
777 S. WADSWORTH BLVD.
LAKEWOOD, COLORADO 80225
(303) 986-1936

East Cherry Creek Valley Water & Sanitation District
4343 S. Buckley Road, Suite 300
Aurora, Colorado 80015
(303) 693-3800

DESIGNED	CLK	DATE	7/16/2002
DRAWN	PMK/MAM	FILE	01038-PLN
CHECKED	CLK	PROJ. NO.	01038.01
SCALE	1"=20'	SHEET	5 OF 14

Corps File No. 200280836
East Cherry Ck Valley Water & Sanitation
Drop Structures/Stream Stabilization
Drop Structure 1 & 2 Figure 3



REVISIONS				
NO	DATE	BY	CHK'D	DESCRIPTION

MULLER ENGINEERING CO., INC.
CONSULTING ENGINEERS
ROBERTS & RUTT, LTD
777 E. TAPPAN BLVD.
LAKEWOOD, CO 80401 80401
(303) 966-1666

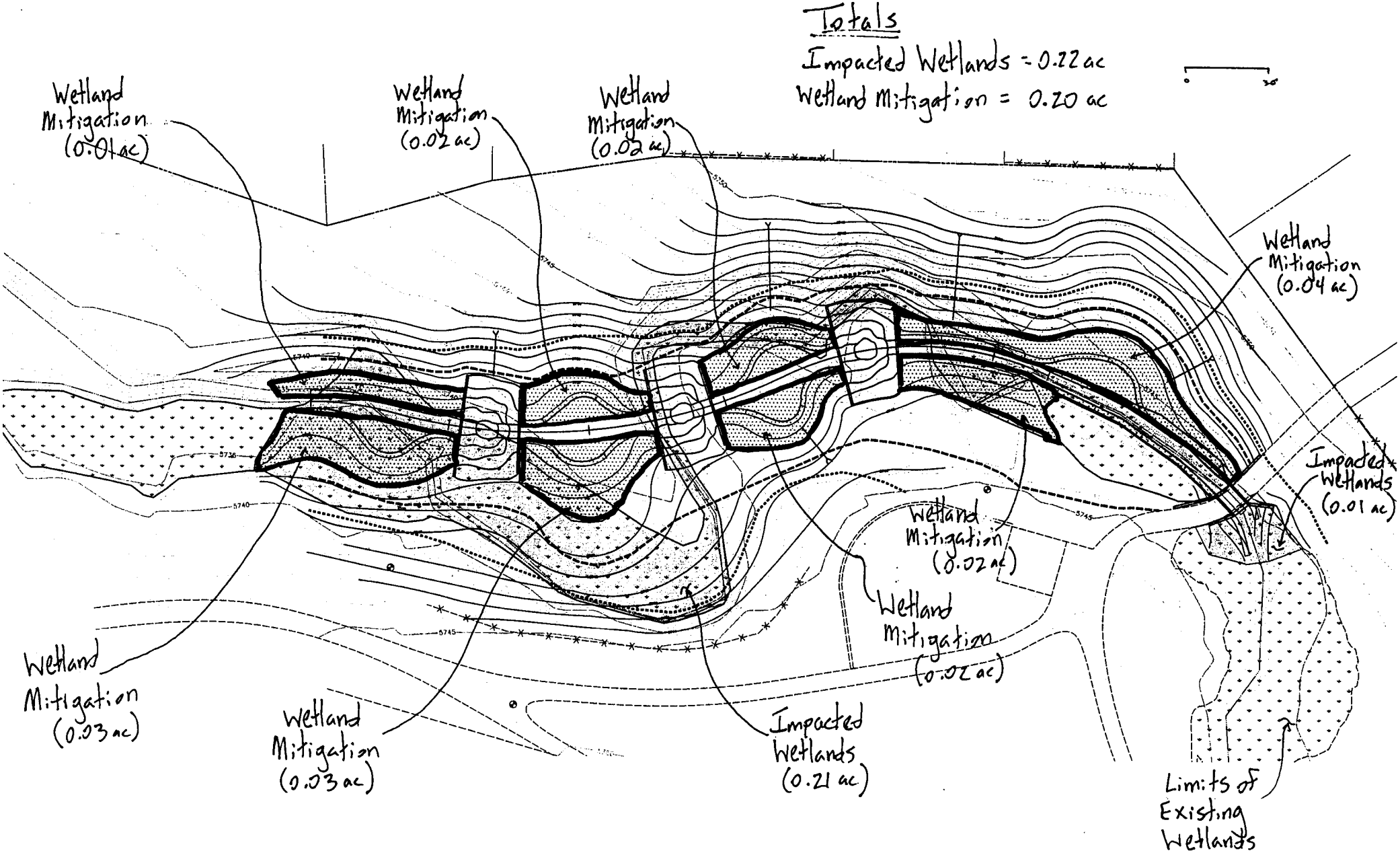
WEST TOLL GATE CREEK
STREAM STABILIZATION

DROP 3 GRADING PLAN

East Cherry Creek Valley
Water & Sanitation District
4343 S. Buckley Road, Suite 300
Aurora, Colorado 80015
(303) 693-3800

DESIGNED	CLK	DATE	7/16/2002
DRAWN	PMK/MAM	FILE	01038-PLN
CHECKED	CLK	PROJ. NO	01038.01
SCALE	1"=20'	SHEET	5 OF 14

Corps File No. 200280836
East Cherry Ck Valley Water & Sanitation
Drop Structures/Stream Stabilization
Drop Structure 3 Grading Figure 4



Corps File No. 200280836
East Cherry Ck Valley Water & Sanitation
Drop Structures/Stream Stabilization
Mitigation Plan Figure 5