

DIKE 12 LEVEE CERTIFICATION

PHASE 1: NORTHWEST TERMINUS TO BNSF CROSS LEVEE

CITY OF BURLINGTON

SHEET INDEX

COV.) COVER SHEET	5.) DIKE 12 PLAN & PROFILE STA 110+00 TO 119+50	10.) DIKE 12 PLAN & PROFILE STA 163+00 TO 173+00	15.) DIKE 12 PLAN & PROFILE STA 210+00 TO 220+50	22.) S. GARDNER DEMO PLAN
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4.) DIKE 12 PLAN & PROFILE STA 107+00 TO 110+000			20.) SHOP WALL DETAILS	
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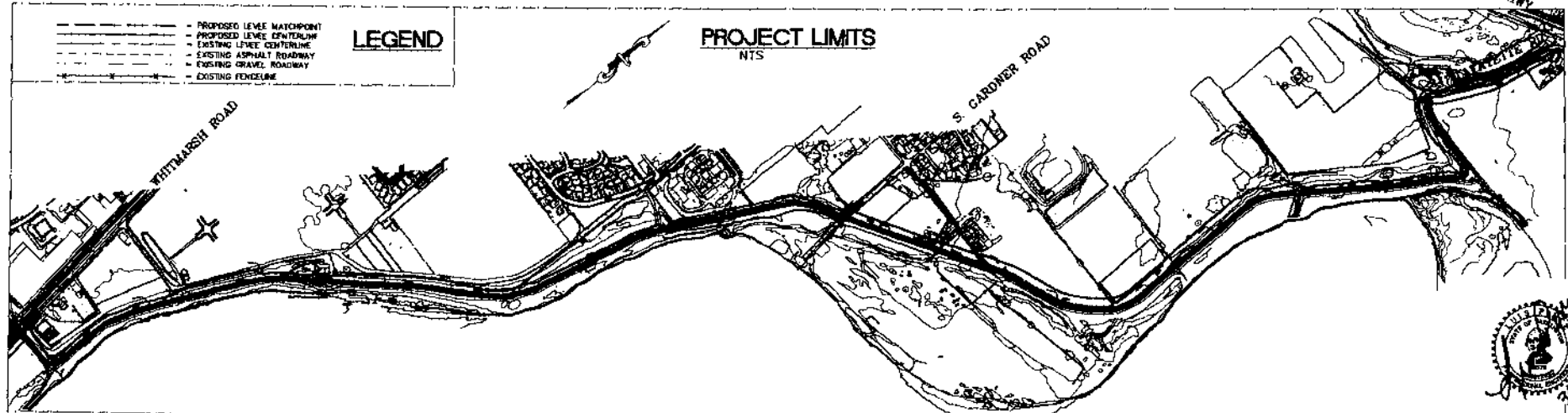
SKAGIT COUNTY
PERMIT CNTR.

JUL 9 2012

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N. CASCADES HWY



PROJECT LIMITS
NTS

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DESIGNED BY
LP
DRAWN BY
LMC
CHECKED BY
LP

R&E REICHHARDT & EBE
ENGINEERING, INC.
1700 Bay 978 421 Front St. 514 201 Ph (360) 344-3687
Lynden, Washington 98294 Fax (360) 354-0407

NO. 048
REVISION
BY

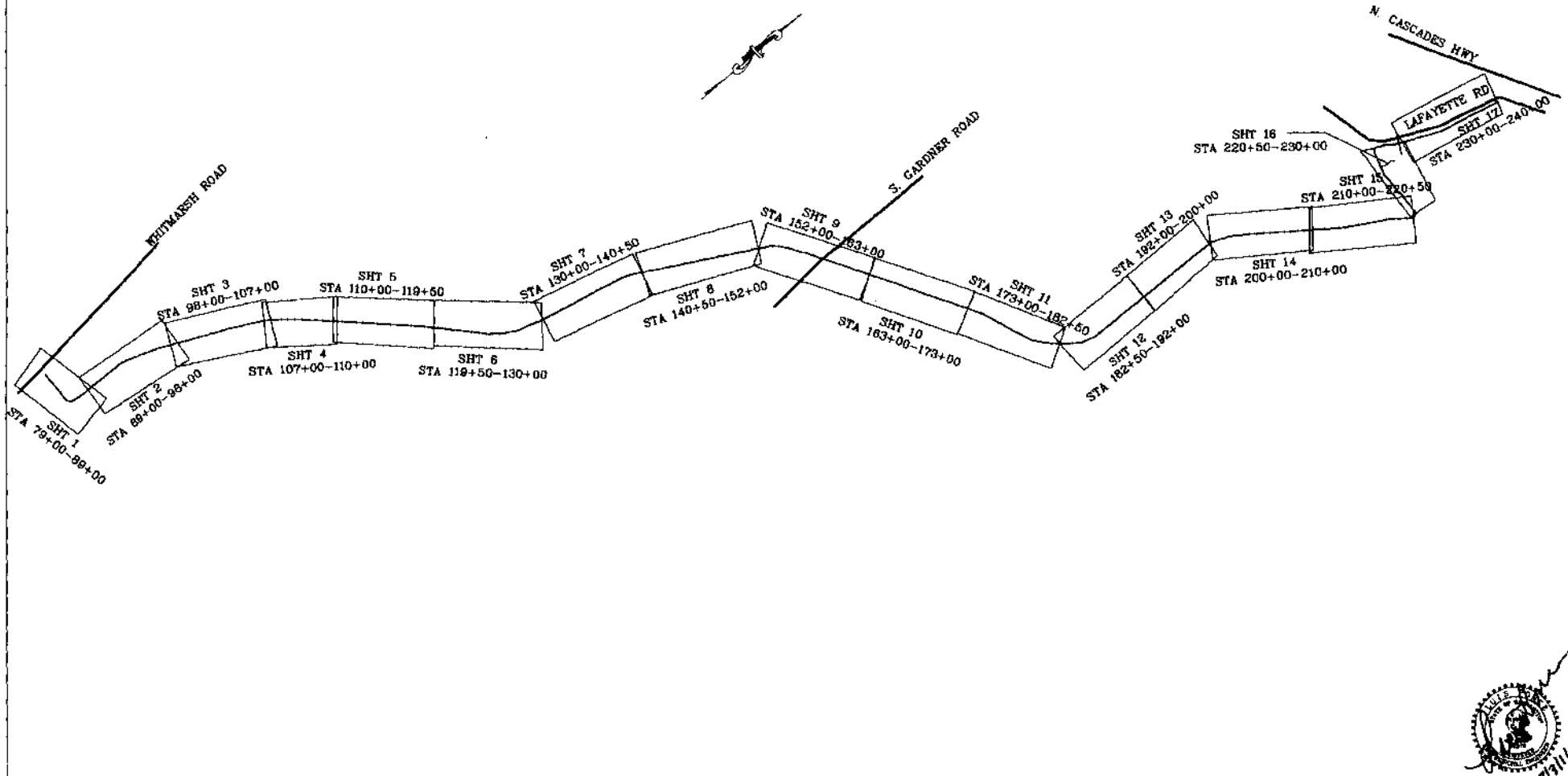
CITY OF BURLINGTON

DIKE 12 LEVEE CERTIFICATION
PROPOSED LEVEE ALIGNMENT
COVER SHEET

DATE / Desc	DATE
09031	3-3-11
SCALE	SPI
N/A	N/A
N/A	N/A
	COV

Box 4

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LP
DRAWN BY
LWC
CHECKED BY
LP



REICHHARDT & EBE
ENGINEERING, INC.
CORPORATE HEADQUARTERS
PO Box 978 423 First St., Ste 201
Lynden, Washington 98281

NO.	DATE	REVISION	BY

CITY OF BURLINGTON

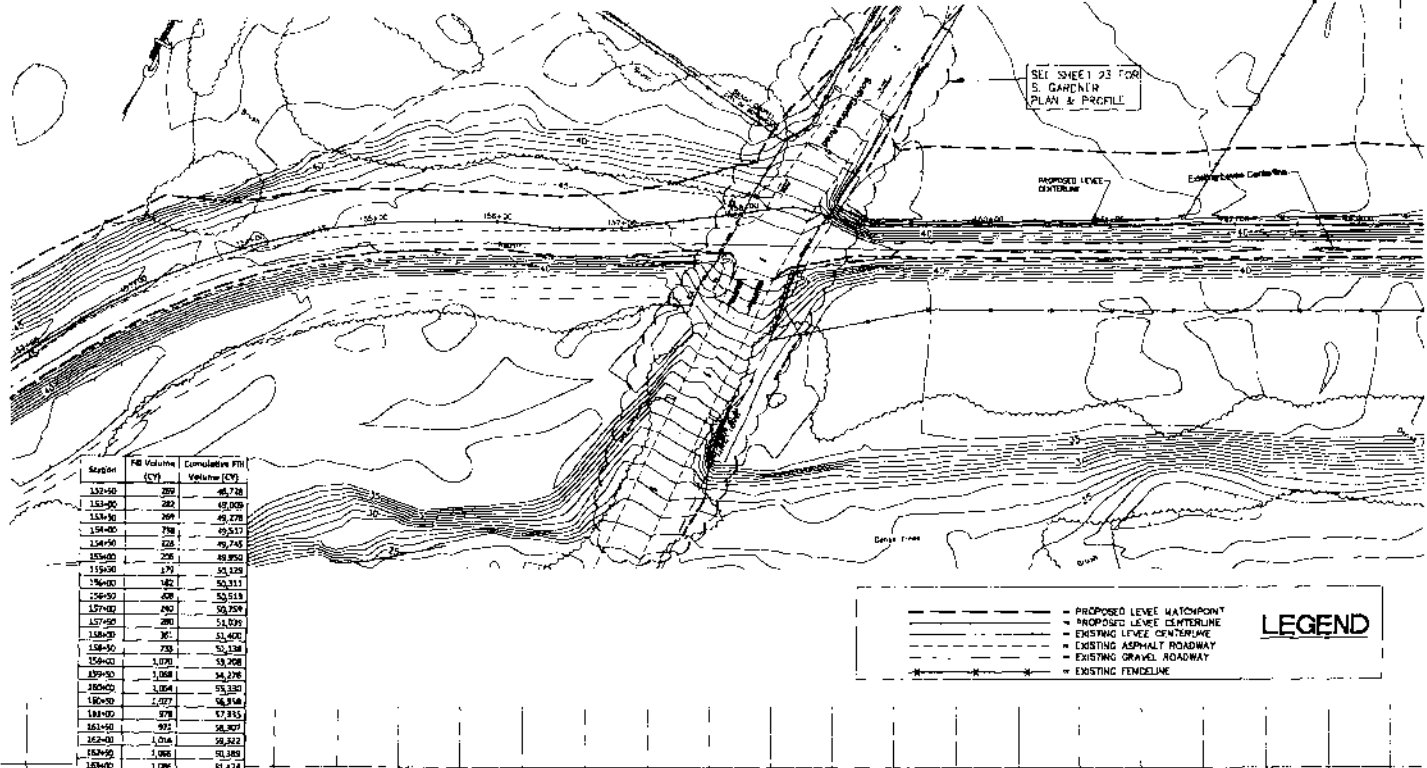
DIKE 12 LEVEE CERTIFICATION
PROPOSED LEVEE ALIGNMENT
KEY MAP

Proj / dwg
09031
SCALE
= N/A

SPI
= N/A

DATE
3-3-11
SHEET
KEY

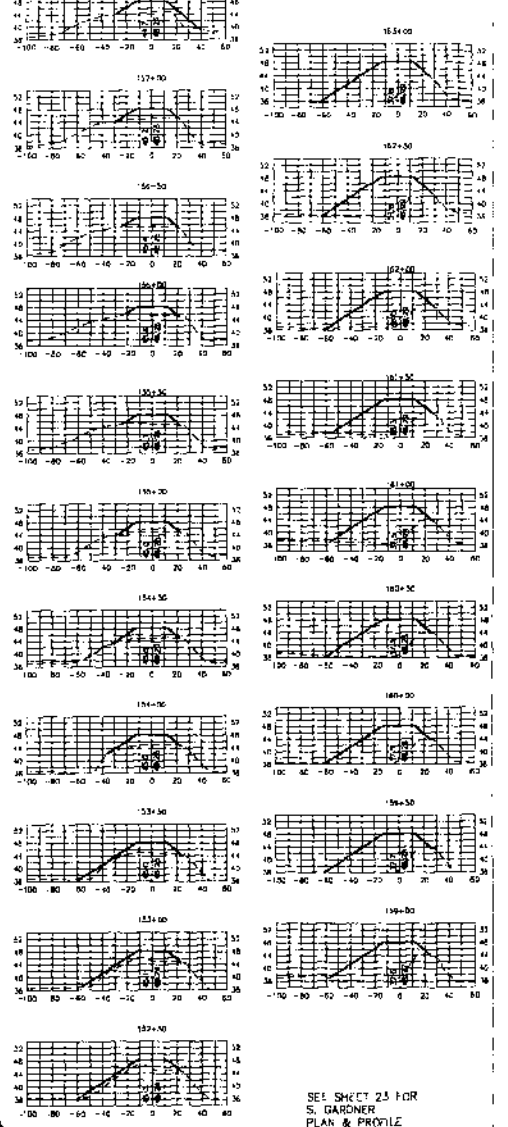
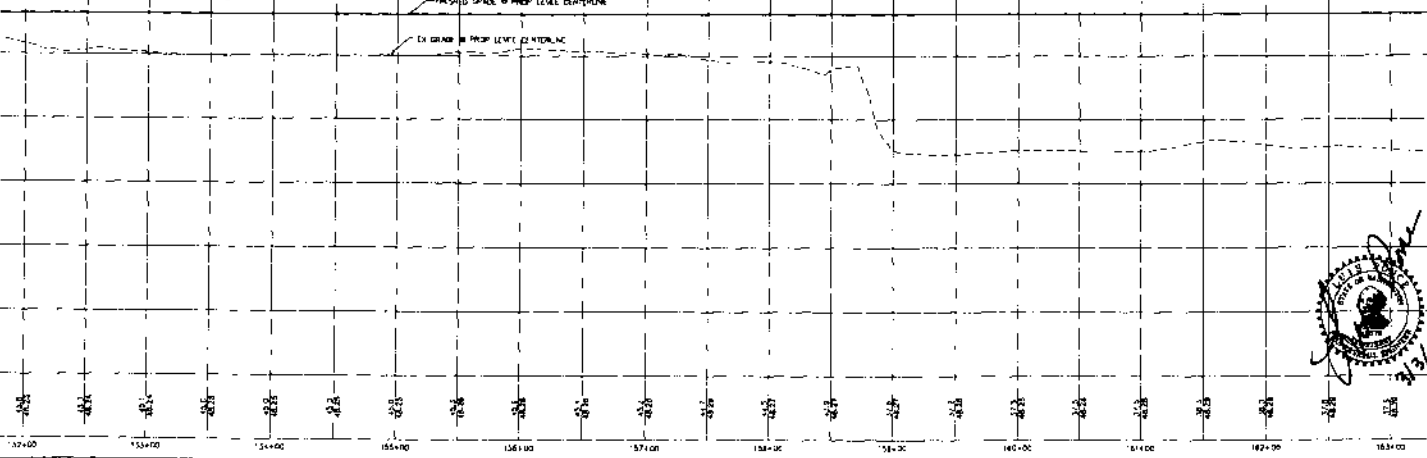
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Station	Fill Volume (CY)	Cumulative Fill Volume (CY)
152+50	289	45,728
153+00	282	46,009
153+50	269	46,278
154+00	738	47,017
154+50	558	47,575
155+00	205	47,780
155+50	170	47,950
156+00	142	48,092
156+50	208	48,300
157+00	292	48,592
157+50	280	48,872
158+00	307	49,179
158+50	738	49,917
159+00	1,070	50,987
159+50	1,268	52,255
160+00	1,054	53,309
160+50	2,077	55,386
161+00	278	55,664
161+50	302	55,966
162+00	1,016	56,982
162+50	1,086	58,068
163+00	1,088	59,156

LEGEND

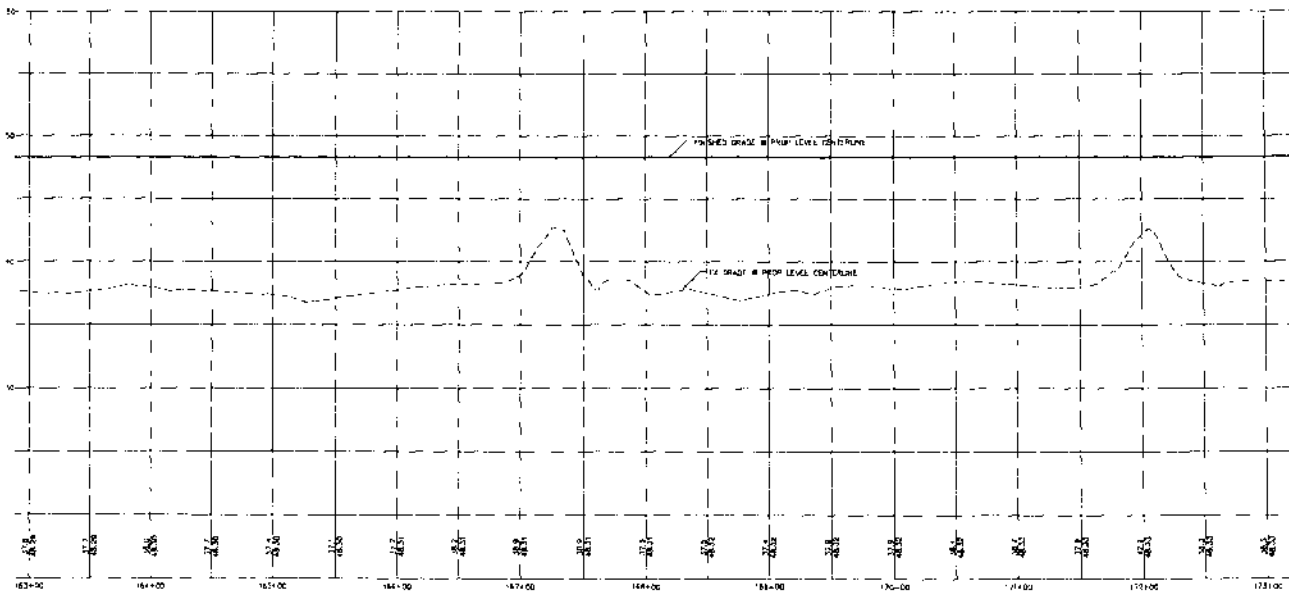
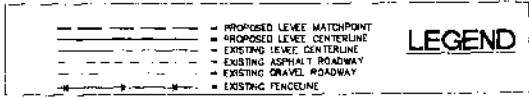
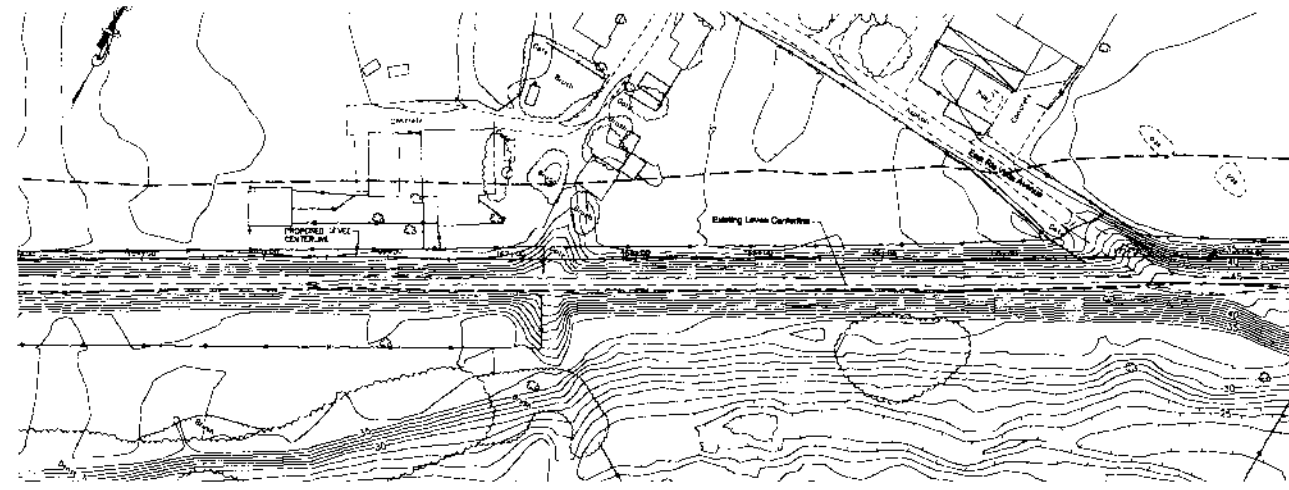
- PROPOSED LEVEE WATCHPOINT
- PROPOSED LEVEE CENTERLINE
- EXISTING LEVEE CENTERLINE
- EXISTING ASPHALT ROADWAY
- EXISTING GRAVEL ROADWAY
- EXISTING FENCELINE



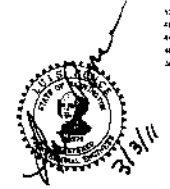
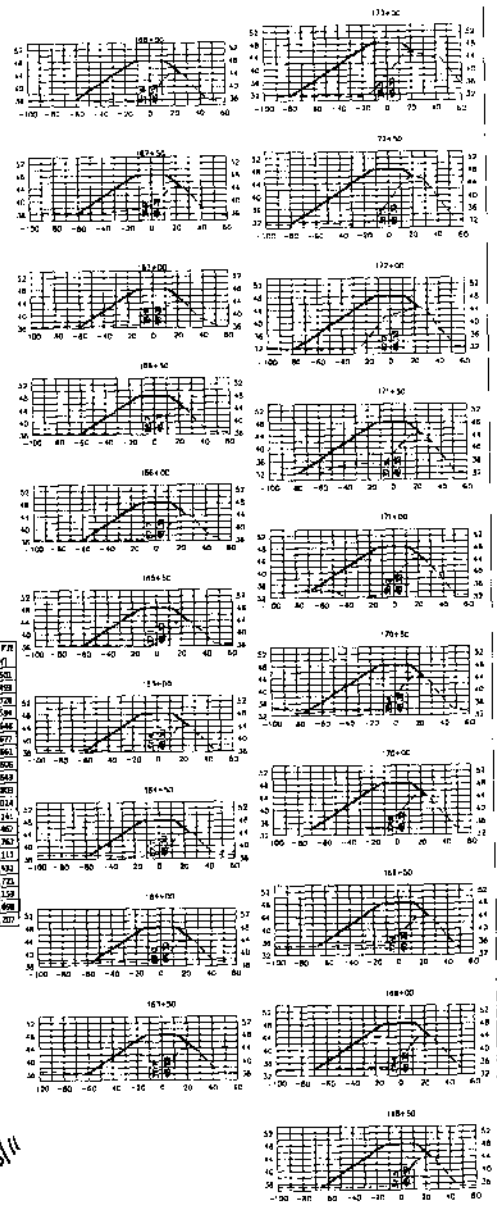
SEE SHEET 23 FOR
S. GARDNER
PLAN & PROFILE
FOR STA 158+00 & 158+50

DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]	REICHARDT & EBE ENGINEERS, INC. <small>CONSULTING ENGINEERS</small> 90 Box 678 413 First St. Ste 201 Ph (360) 354-3687 Lynden Washington 98281 Fax (360) 354-0432	12-3-10 S. GARDNER PLAN & PROFILE, CATCH BY: [Signature]	CITY OF BURLINGTON	DIKE 12 LEVEE CERTIFICATION PROPOSED LEVEE ALIGNMENT STA 152+00 TO 163+00	DWG 7.dwg 0903: SP1 SCALE: 1" = 50' 1" = 5' SHEET: 9	DATE: 3-3-11 SHEET: 9
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Station	Fill Volume (CY)	Cumulative Fill Volume (CY)
163+00	1,077	82,551
164+00	992	83,543
165+00	1,038	84,581
166+00	1,000	85,581
167+00	1,054	86,635
168+00	1,029	87,664
169+00	984	88,648
170+00	945	89,593
171+00	1,087	90,680
172+00	1,151	91,831
173+00	1,221	93,052
174+00	1,137	94,189
175+00	1,221	95,410
176+00	1,200	96,610
177+00	1,300	97,910
178+00	1,285	99,195
179+00	1,032	100,227
180+00	1,565	101,792
181+00	1,308	103,100



DATE: 3/11
 BY: [Signature]
 CHECKED BY: [Signature]

REICHARDT & EBE
 ENGINEERING, INC.
 CONSULTING ENGINEERS
 PO Box 976 423 Front St., Ste 201
 Fairfax, VA 22031
 Phone: (703) 254-7037
 Fax: (703) 254-7037

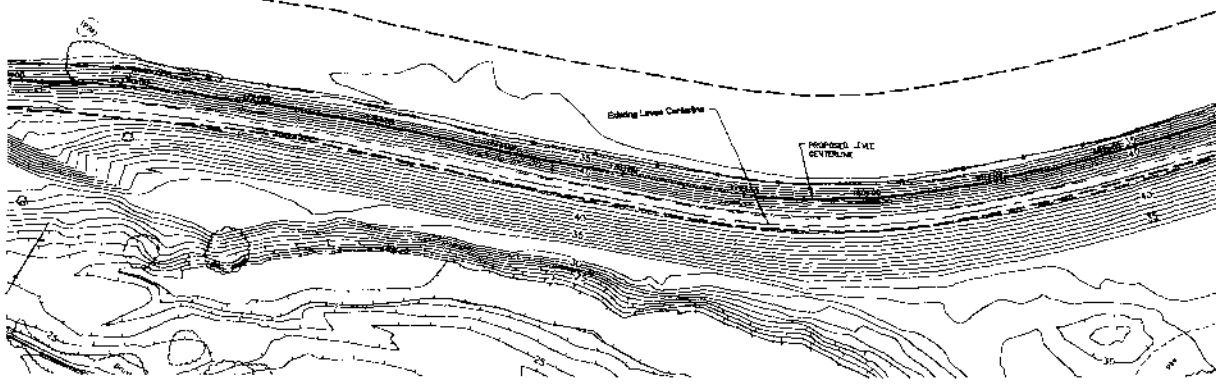
CITY OF BURLINGTON
 DATE: _____
 REVISION: _____
 BY: _____

DIKE 12 LEVEE CERTIFICATION
PROPOSED LEVEE ALIGNMENT
 STA 163+00 TO 173+00

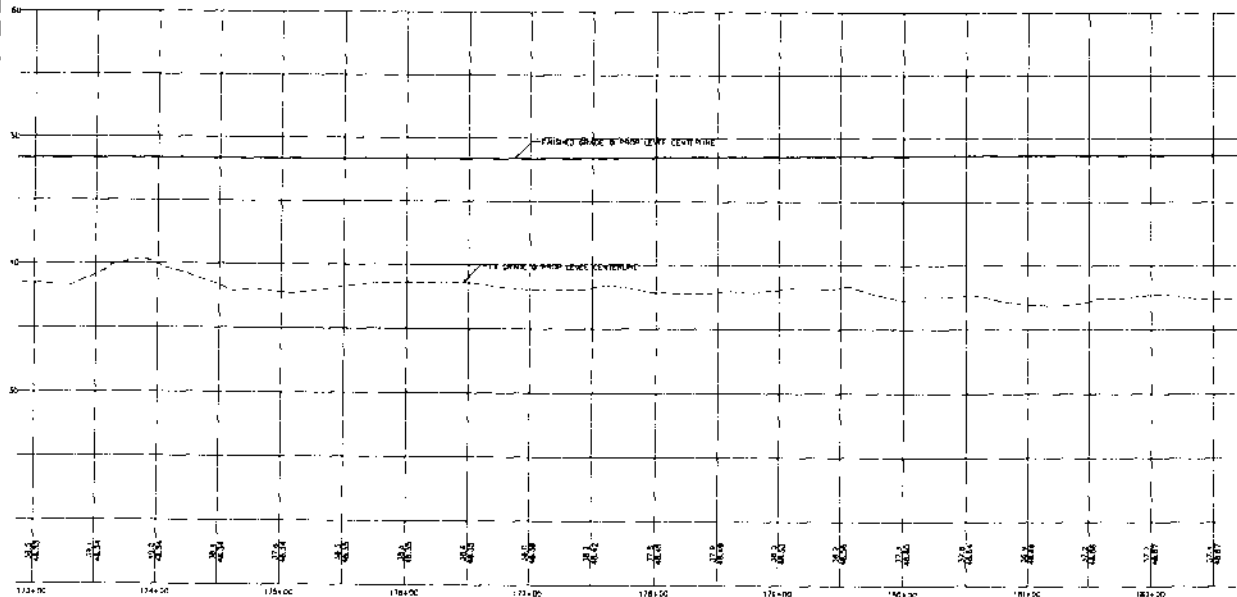
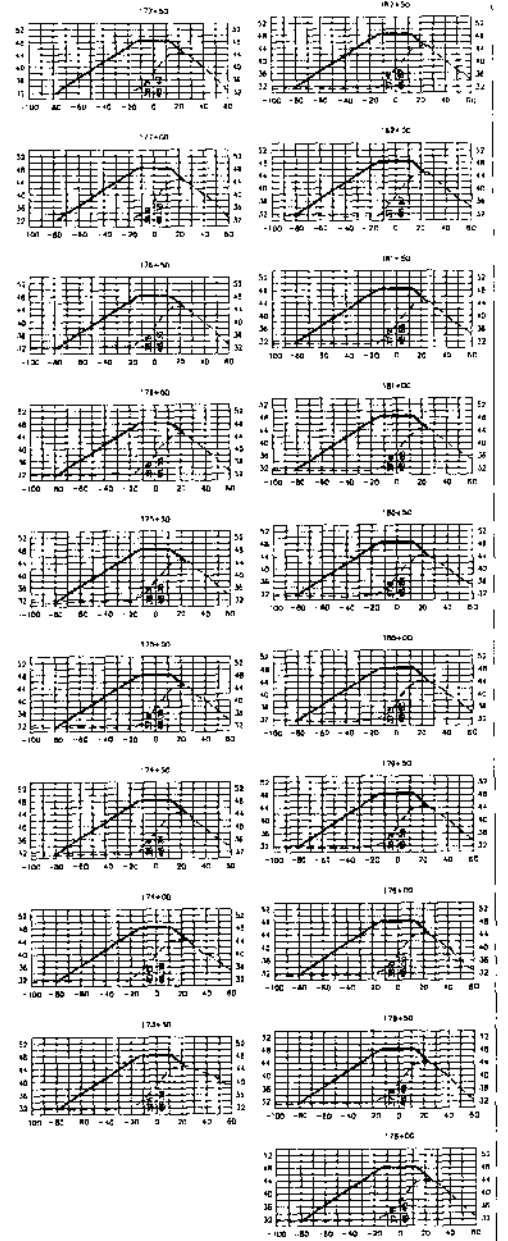
DATE: 3-11
 SHEET: 10
 SCALE: 1" = 50'

- PROPOSED LEVEE MATIPOINT
- PROPOSED LEVEE CENTERLINE
- EXISTING LEVEE CENTERLINE
- EXISTING ASPHALT ROADWAY
- EXISTING GRAVE ROADWAY
- EXISTING FENCELINE

LEGEND

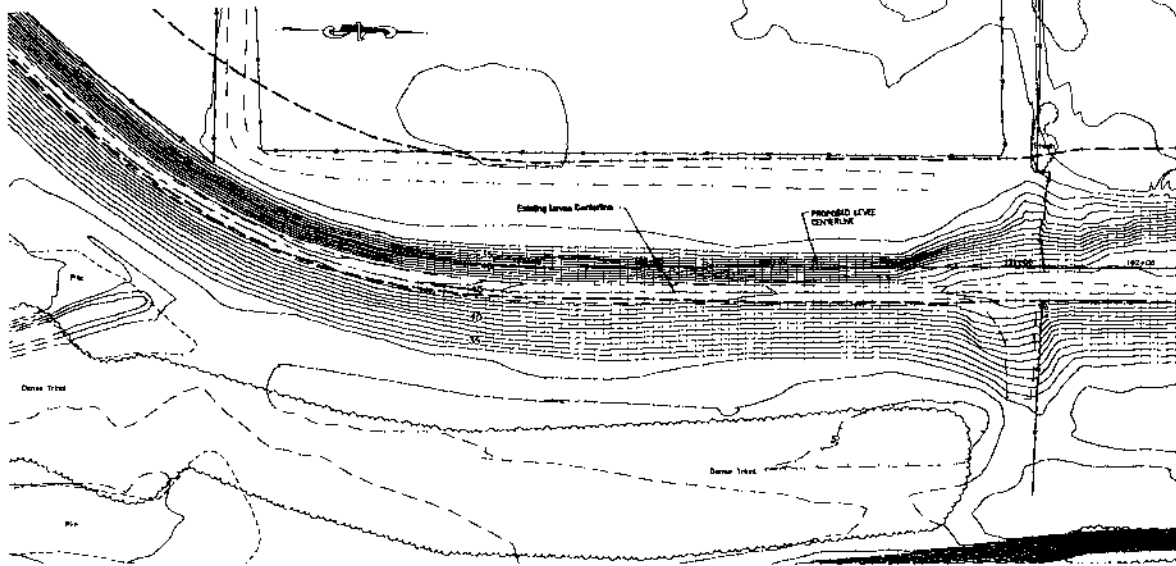


Station	Fill Volume (CY)	Excavated Volume (CY)
174+50	1,463	86,660
175+00	1,507	88,372
175+50	1,572	89,750
176+00	1,566	91,238
176+50	1,511	92,827
177+00	1,460	94,287
177+50	1,469	95,754
178+00	1,525	97,258
178+50	1,574	98,733
179+00	1,593	100,358
179+50	1,622	101,869
180+00	1,629	103,380
180+50	1,684	104,845
181+00	1,694	106,339
181+50	1,705	107,844
182+00	1,686	109,300
182+50	1,678	110,808
183+00	1,714	112,282



DESIGNED BY IP DRAWN BY LVC CHECKED BY IP	REICHARDT & FRE ENGINEERING, INC. <small>INCORPORATED ENGINEERS</small> P.O. Box 878 433 First St. Ste. 231 Lynn, Washington 98781 Ph: (360) 354-3887 Fax: (360) 354-0427	CITY OF BURLINGTON	DIKE 12 LEVEE CERTIFICATION PROPOSED LEVEE ALIGNMENT STA 173+00 TO 183+50	SHEET / DATE 09031 SP1 3-2-11 SCALE 1" = 50' x 1" = 5' 11
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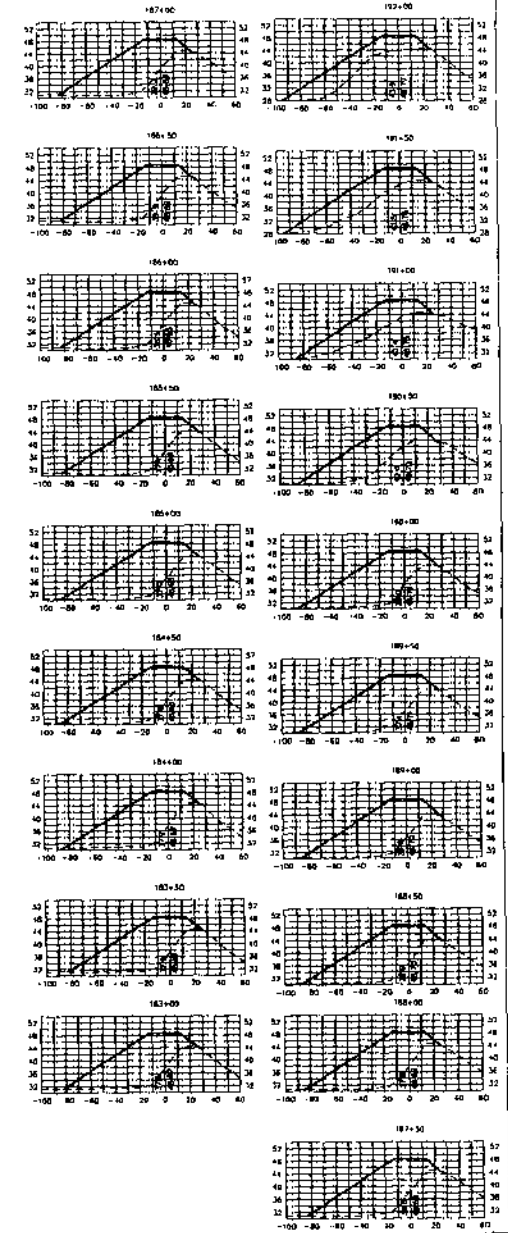
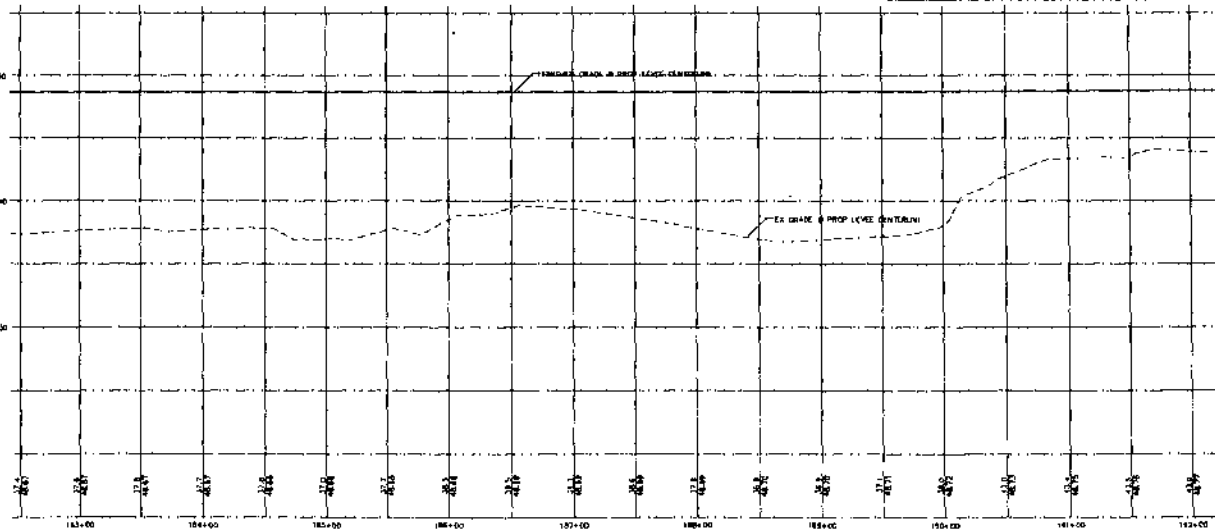
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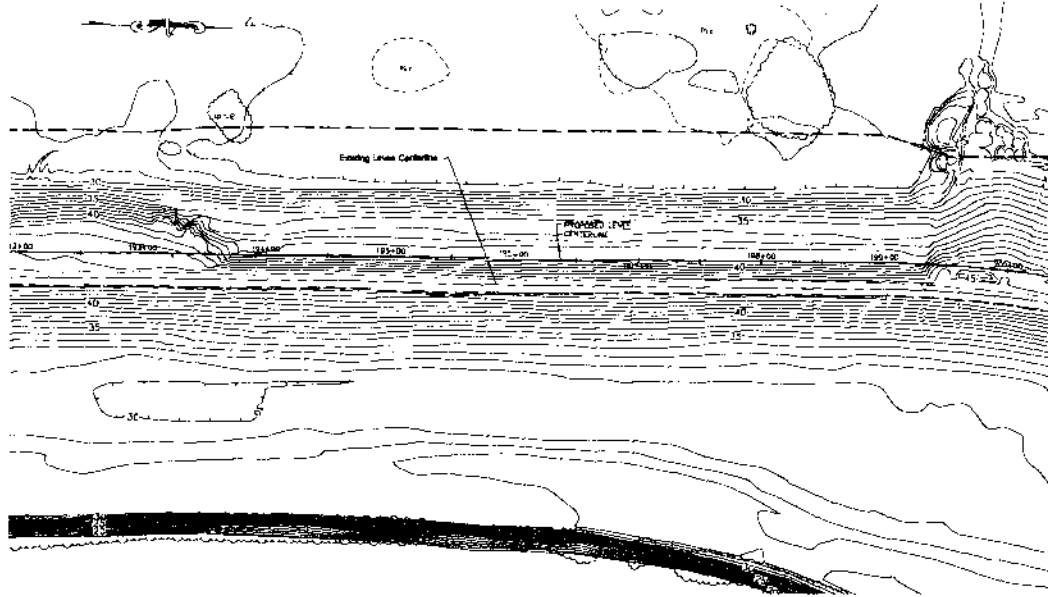
Station	FILL Volume [CY]	Cumulative FILL Volume [CY]
187+00	1,569	115,963
187+50	1,691	117,654
188+00	1,750	119,404
188+50	1,839	121,243
189+00	1,795	123,038
189+50	1,740	124,778
190+00	1,669	126,447
190+50	1,528	128,015
191+00	1,548	129,563
191+50	1,697	131,260
192+00	1,763	133,023
192+50	1,818	134,841
193+00	1,834	136,675
193+50	1,816	138,491
194+00	1,812	140,303
194+50	1,782	142,085
195+00	1,744	143,829
195+50	1,711	145,540
196+00	1,696	147,236

LEGEND

- PROPOSED LEVEE MATCHPOINT
- PROPOSED LEVEE CENTERLINE
- EXISTING LEVEE CENTERLINE
- EXISTING ASPHALT ROADWAY
- EXISTING GRAVEL ROADWAY
- EXISTING FENCELINE



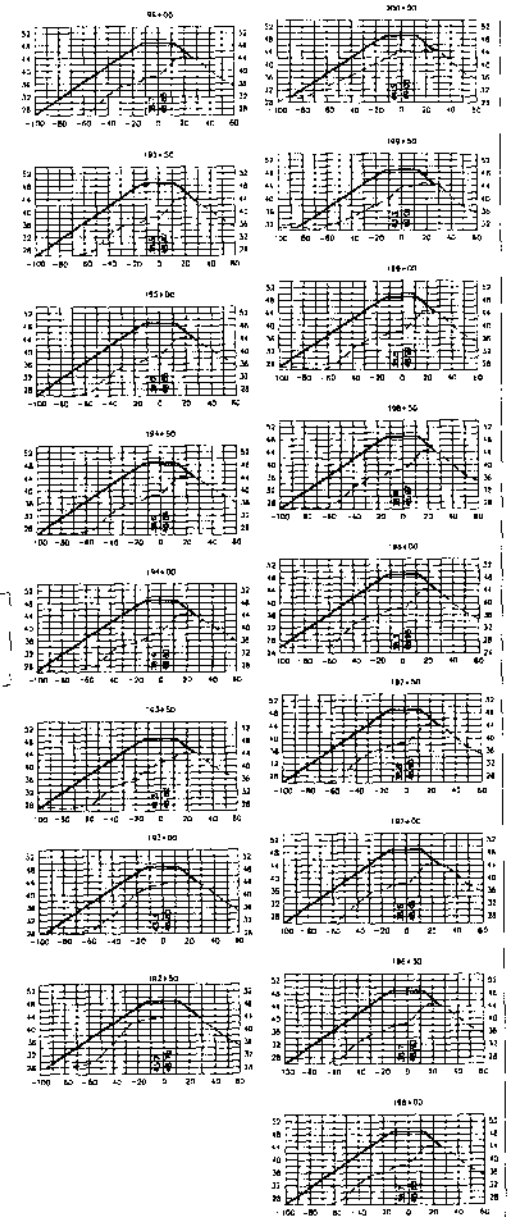
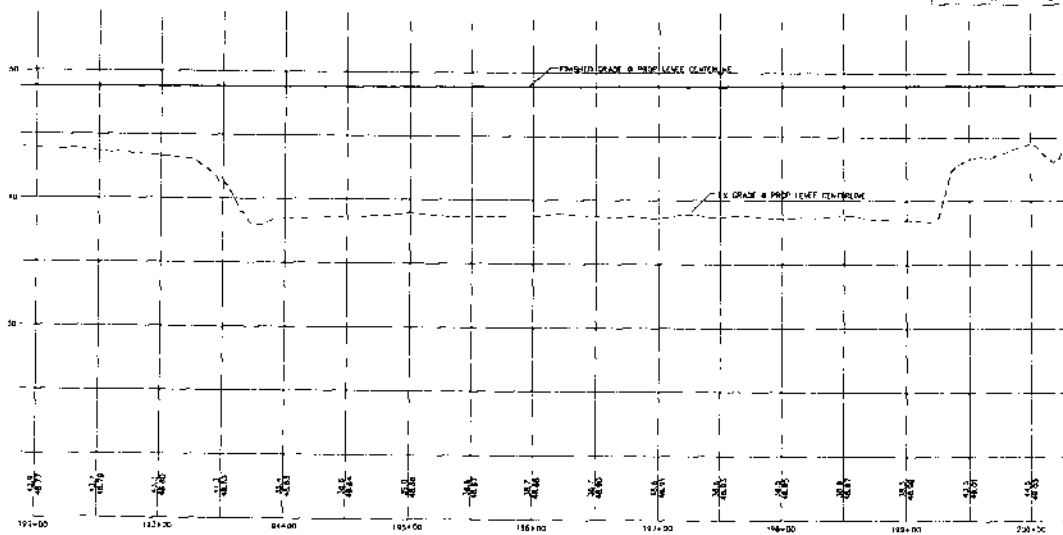
DESIGNED BY 1P CHECKED BY LJC LP	REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 876, #23 from St. Ste 201 Lynden, Washington 98284 Ph (206) 334-3887 Fax (206) 334-0407	CITY OF BURLINGTON	DIKE 12 LEVEE CERTIFICATION PROPOSED LEVEE ALIGNMENT STA 182+50 TO 192+00	Date / Desc 09031 SP1 SCALE H 1" = 50' V 1" = 5' 3-11 SHEET 12
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Station	Fill Volume (CY)	Cumulative Fill Volume (CY)
121+50	1,171	187,118
122+00	1,442	188,560
123+50	2,703	191,263
124+00	1,751	193,014
126+50	1,725	194,740
127+00	1,748	196,488
128+00	1,327	197,815
129+00	1,736	199,551
130+50	1,711	201,262
131+00	1,755	203,017
131+50	1,747	204,764
132+00	1,744	206,508
133+50	1,772	208,280
134+00	1,499	209,779
135+50	1,085	210,864
200+00	1,057	211,921

- PROPOSED LEVEE MATOPOINT
- PROPOSED LEVEE CENTERLINE
- EXISTING LEVEE CENTERLINE
- EXISTING ASPHALT ROADWAY
- EXISTING GRAVE ROADWAY
- EXISTING FENCELINE

LEGEND



DESIGNED BY: L.P.
 DRAWN BY: J.L.C.
 CHECKED BY: P.
REICHARDT & EBE
 ENGINEERING, INC.
 CONSULTING ENGINEERS
 PO Box 478 473 Front St. Ste 201 Ft. Worth, Texas 76101
 Tel: (817) 354-1800 Fax: (817) 354-1437

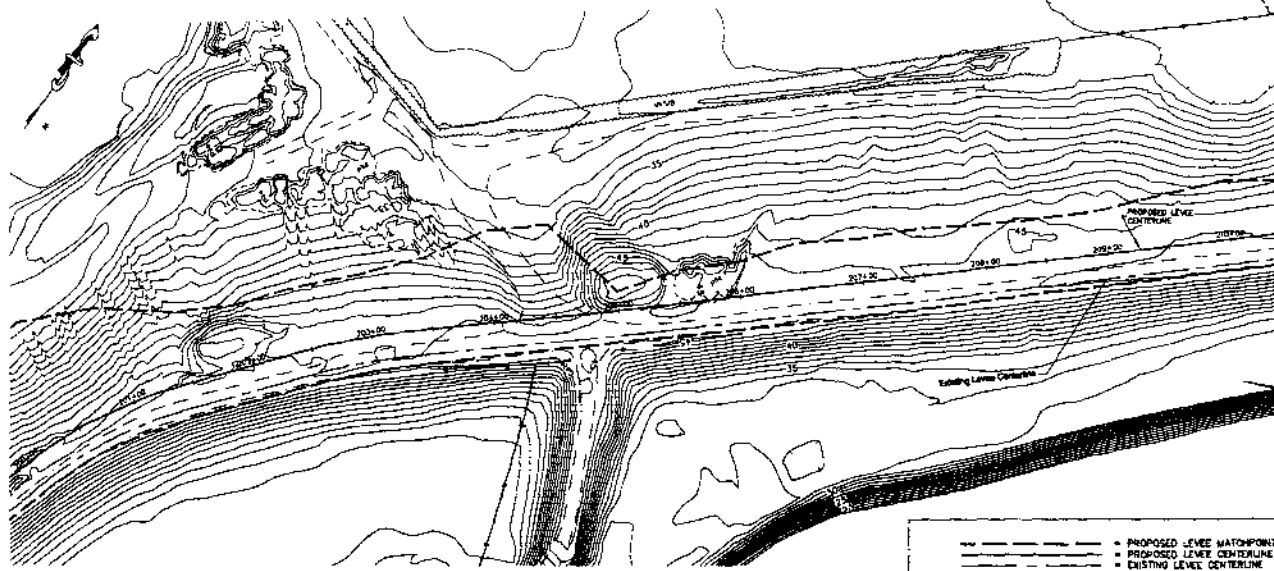
CITY OF BURLINGTON

DIKE 12 LEVEE CERTIFICATION
 PROPOSED LEVEE ALIGNMENT
 STA 121+00 TO 200+00

DATE / SHEET: 09/03 / 3-3
 SCALE: 1"=50' V 1"=5'
 SHEET NO: 13

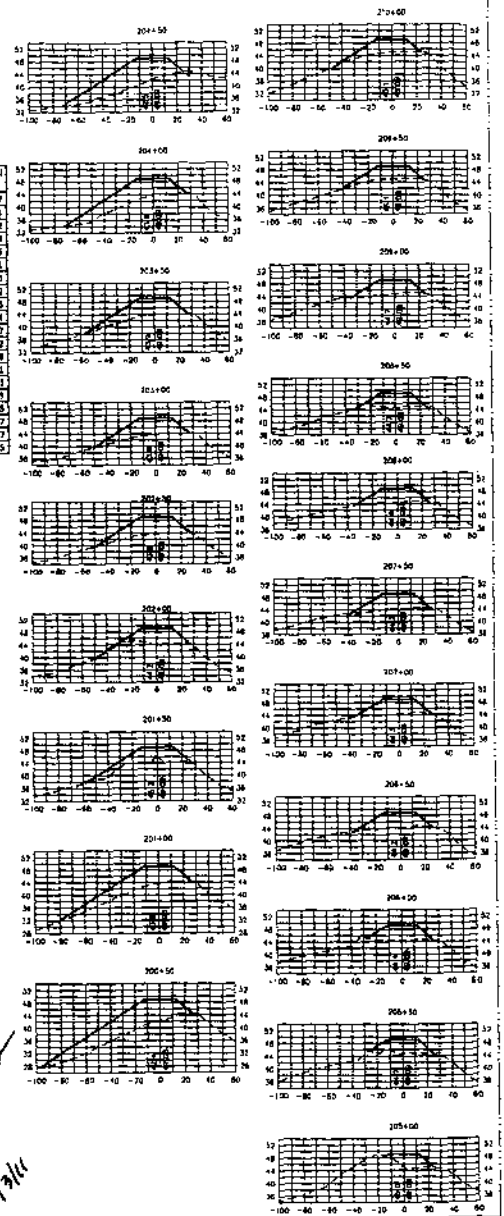
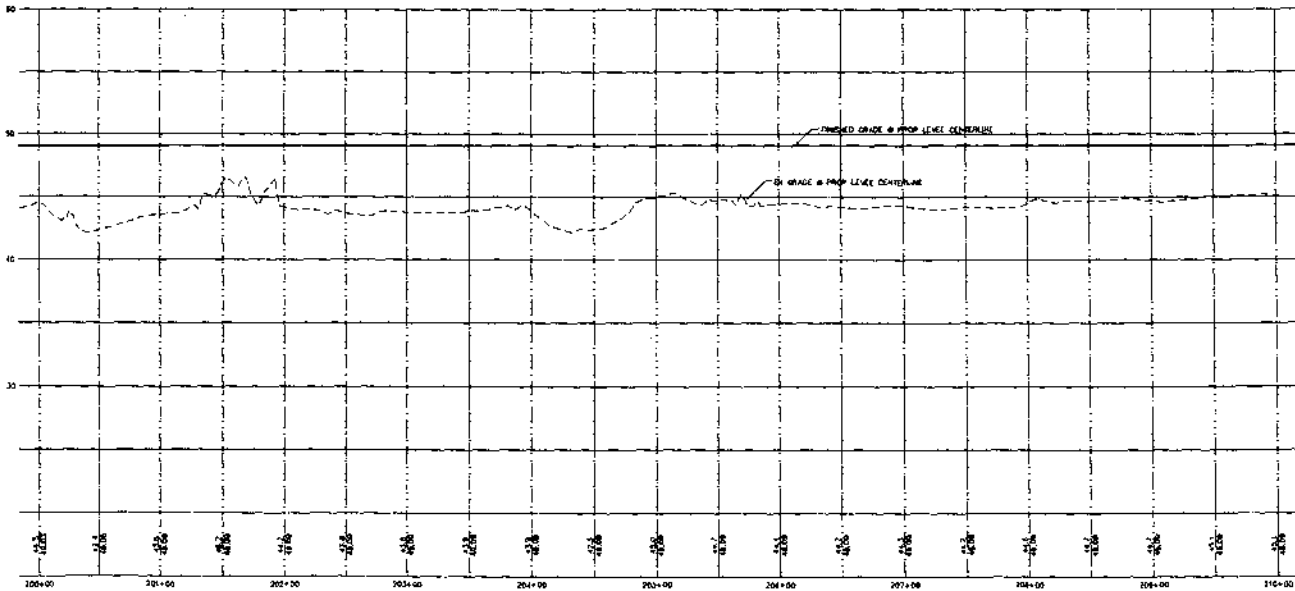
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Station	Fill Volume (CY)	Cumulative Fill Volume (CY)
200+00	915	173,817
201+00	298	174,115
202+00	408	174,523
203+00	434	174,957
204+00	522	175,479
205+00	535	176,014
206+00	640	176,654
207+00	811	177,465
208+00	563	178,028
209+00	248	178,276
210+00	511	178,787
211+00	583	179,370
212+00	386	179,756
213+00	293	180,049
214+00	340	180,389
215+00	317	180,706
216+00	236	180,942
217+00	242	181,184
218+00	340	181,524
219+00	344	181,868

LEGEND	
	PROPOSED LEVEE WATCHPOINT
	PROPOSED LEVEE CENTERLINE
	EXISTING LEVEE CENTERLINE
	EXISTING ASPHALT ROADWAY
	EXISTING GRAVEL ROADWAY
	EXISTING FENCELINE



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LP
DRAWN BY
LAC
CHECKED BY
LP



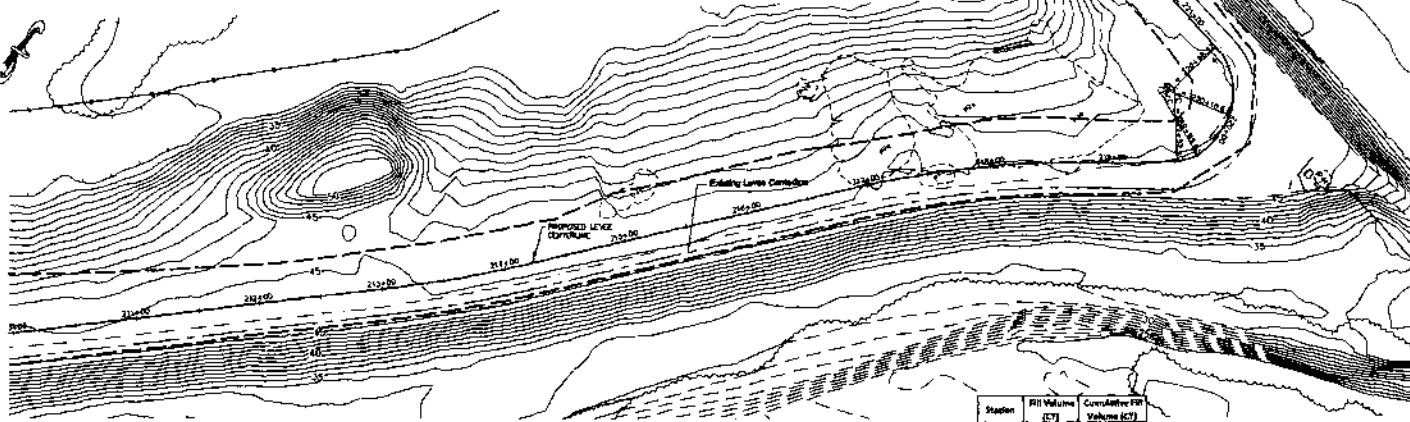
REICHHARDT & EBE
ENGINEERING, INC.
PO Box 878 423 Front St., 514 201
Lynden, Washington 98264
PH (360) 354-3887
FAX (360) 354-0407

NO. DATE REVISION BY

CITY OF BURLINGTON

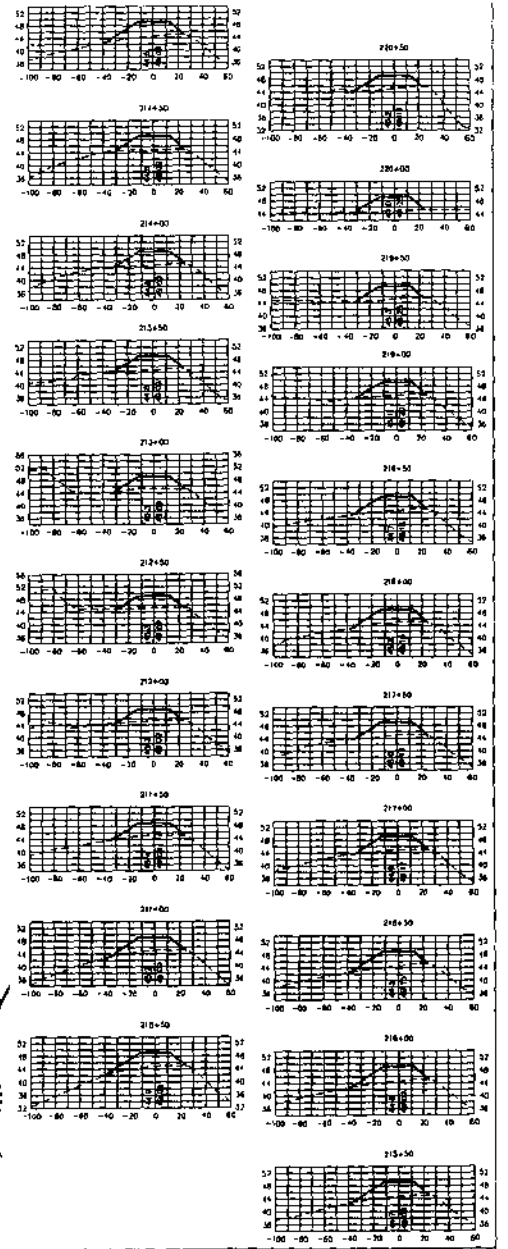
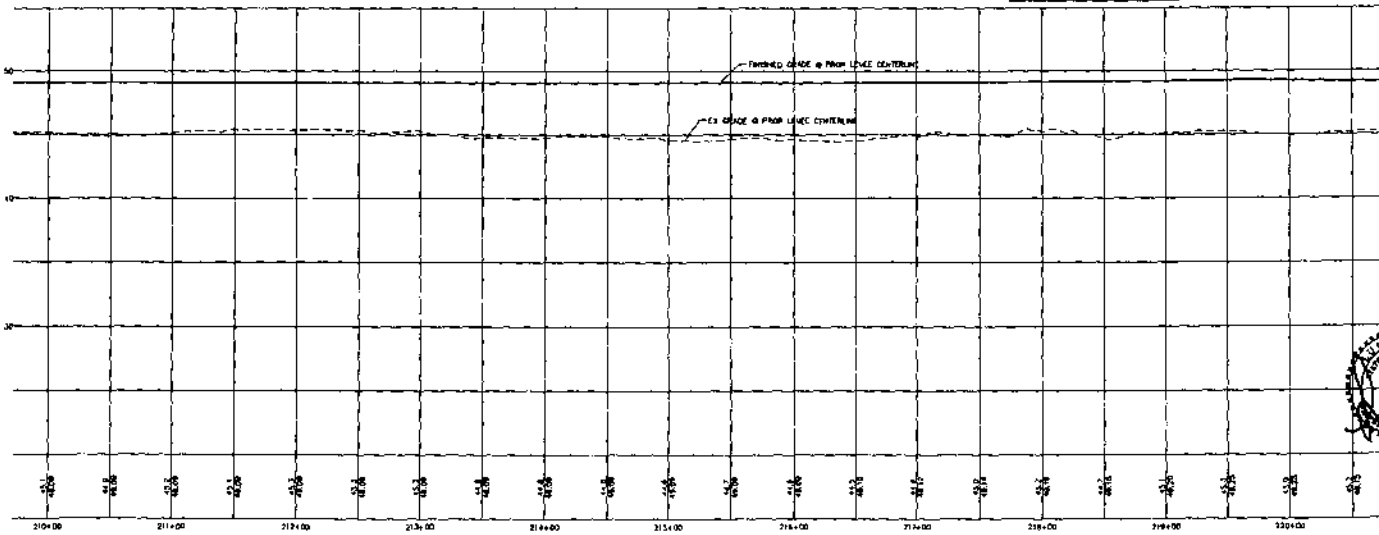
DIKE 12 LEVEE CERTIFICATION
PROPOSED LEVEE ALIGNMENT
STA 200+00 TO 210+00

DATE 3-3-11
SCALE 1" = 50' HORIZ. 1" = 5' VERT.
SHEET 14



LEGEND	
	PROPOSED LEVEE MATCHPOINT
	PROPOSED LEVEE CENTERLINE
	EXISTING LEVEE CENTERLINE
	EXISTING ASPHALT ROADWAY
	EXISTING GRAVEL ROADWAY
	EXISTING FENCELINE

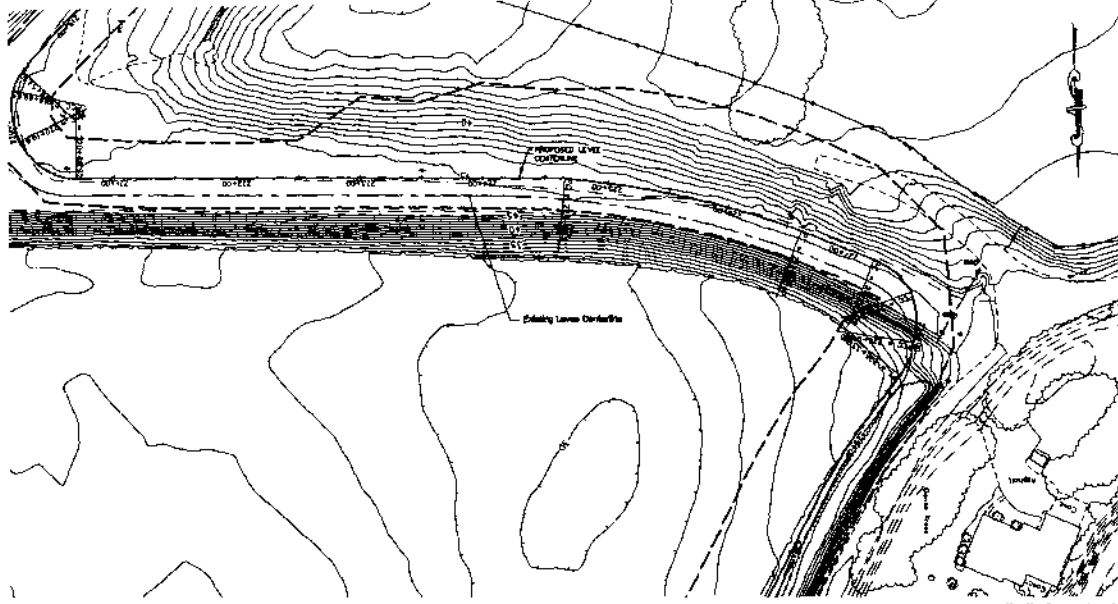
Station	RIP Volume (CY)	Cumulative Fill Volume (CY)
210+00	238	185,921
211+00	308	186,230
212+00	298	186,528
213+00	297	186,825
214+00	312	187,137
215+00	311	187,448
216+00	327	187,775
217+00	361	188,136
218+00	361	188,497
219+00	389	188,886
220+00	355	189,241
221+00	380	189,621
222+00	351	190,001
223+00	240	190,241
224+00	228	190,469
225+00	308	190,777
226+00	299	191,076
227+00	284	191,360
228+00	282	191,642
229+00	299	191,941
230+00	294	192,235
231+00	282	192,517



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DESIGNED BY LP DRAWN BY LAC CHECKED BY LP	REICHARDT & ESE ENGINEERS, INC. CONSULTING ENGINEERS PO Box 578 423 Front St., Ste 301 Lyndon, New Hampshire 08264 Ph (603) 354-3837 Fax (603) 354-4107	CITY OF BURLINGTON	DIKE 12 LEVEE CERTIFICATION PROPOSED LEVEE ALIGNMENT STA 210+00 TO 231+50	JOB / DWG 09031 / SPI SCALE H ₁ " = 50' V ₁ " = 5' DATE 3-3-11 SHEET 15
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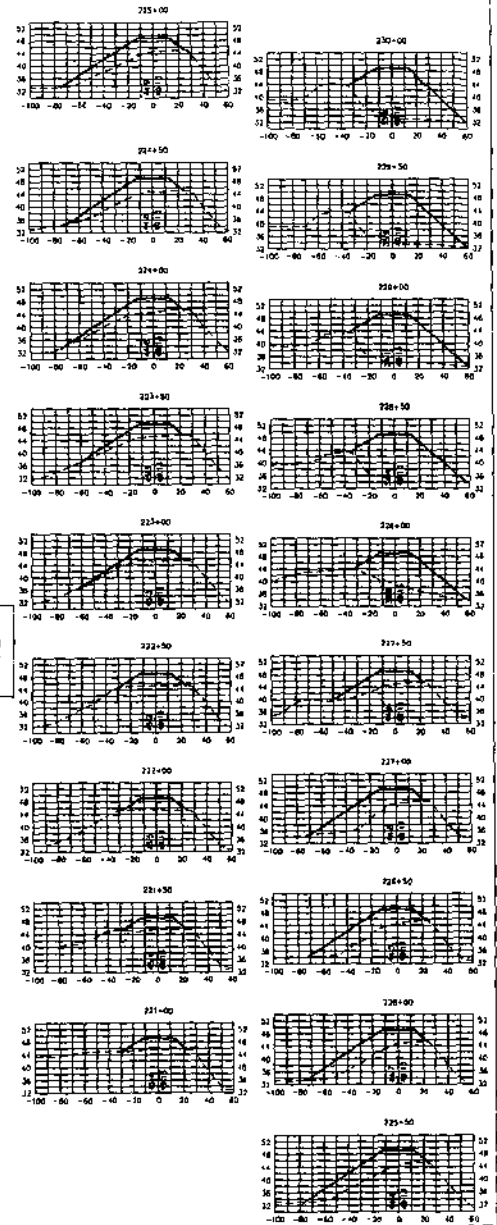
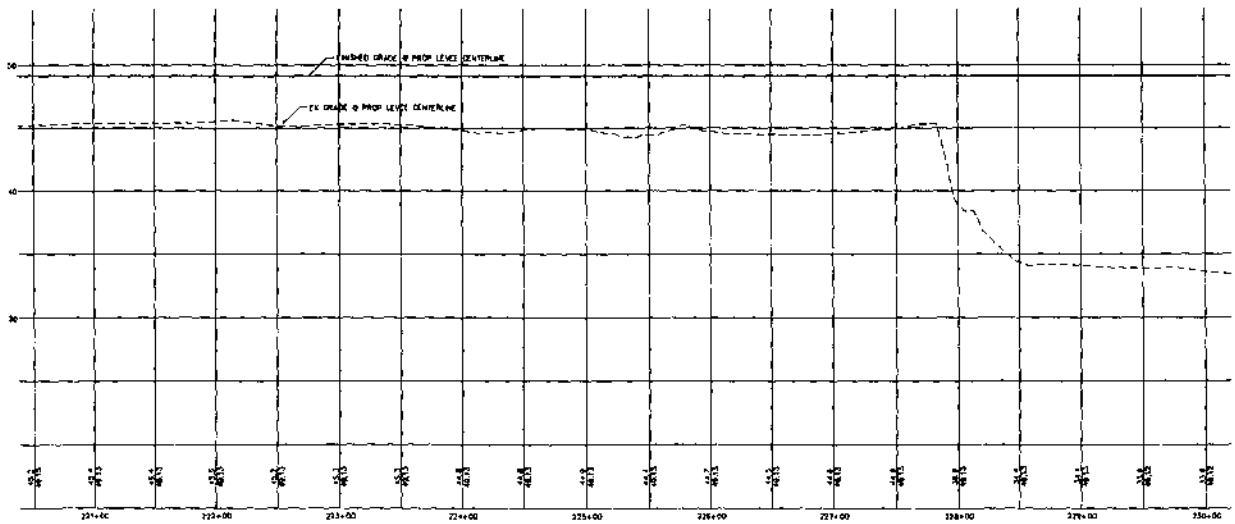
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Station	F&W Volume (CY)	Cumulative F&W Volume (CY)
217+00	770	187,507
218+00	762	188,269
219+00	273	188,542
220+00	314	188,856
221+00	807	189,663
222+00	490	190,153
223+00	133	190,286
224+00	629	190,915
225+00	747	191,662
226+00	834	192,496
227+00	809	193,305
228+00	798	194,103
229+00	674	194,777
230+00	818	195,595
231+00	1,039	196,634
232+00	1,463	198,097
233+00	1,717	199,814
234+00	1,700	201,514

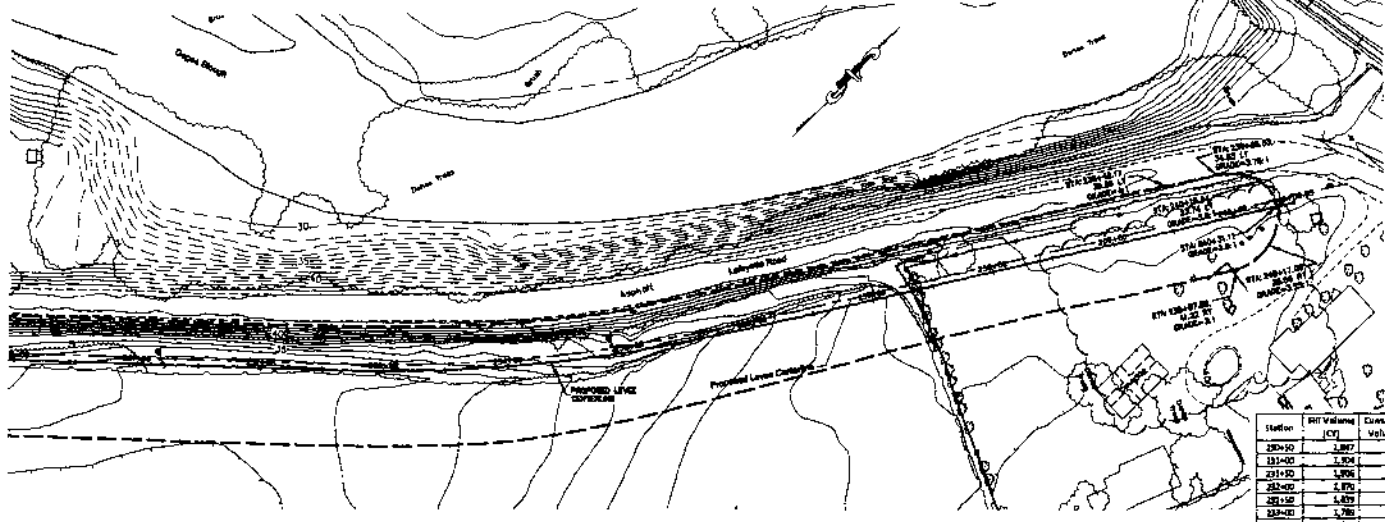
LEGEND

- PROPOSED LEVEE MATCHPOINT
- PROPOSED LEVEE CENTERLINE
- EXISTING LEVEE CENTERLINE
- EXISTING ASPHALT ROADWAY
- EXISTING GRAVEL ROADWAY
- EXISTING FENCELINE



DESIGNED BY LP DRAWN BY LAC CHECKED BY LP	REICHHARDT & EBE ENGINEERING, INC. <small>CORPORATED PROFESSIONALS</small> 20 Box 278 453 Front St., Ste 201 Lynden, Washington 98261 Ph (360) 354-2687 Fax (360) 354-0457	CITY OF BURLINGTON	DIKE 12 LEVEE CERTIFICATION PROPOSED LEVEE ALIGNMENT STA 220+00 TO 230+00	JOB / DWG 09031 / SP1 SCALE 1" = 50' v 1" = 4' DATE 3-3-11 SHEET 16
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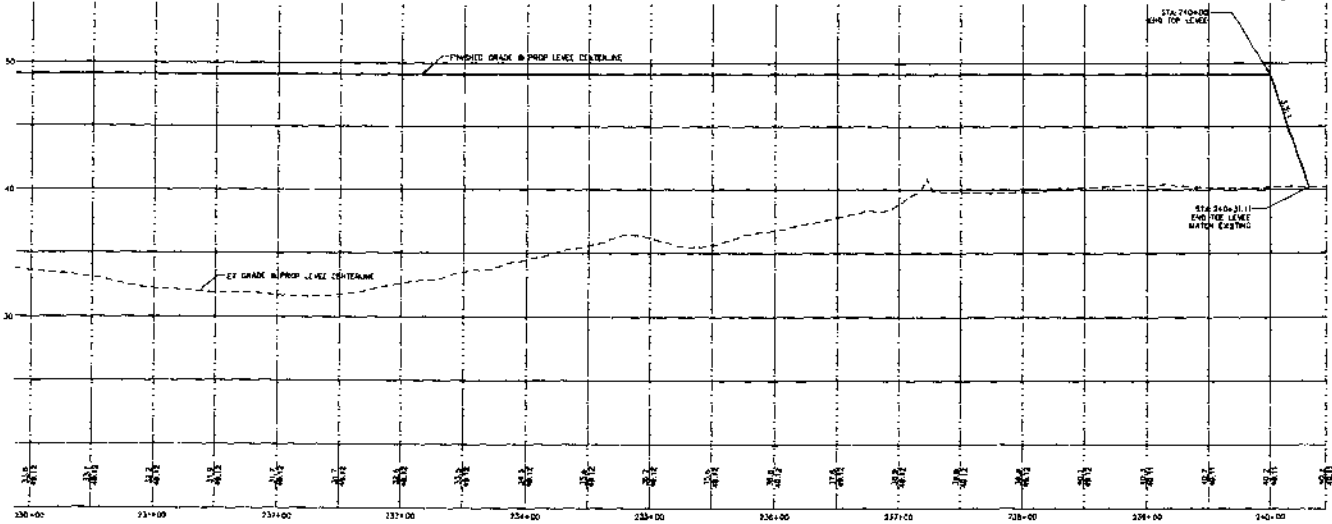
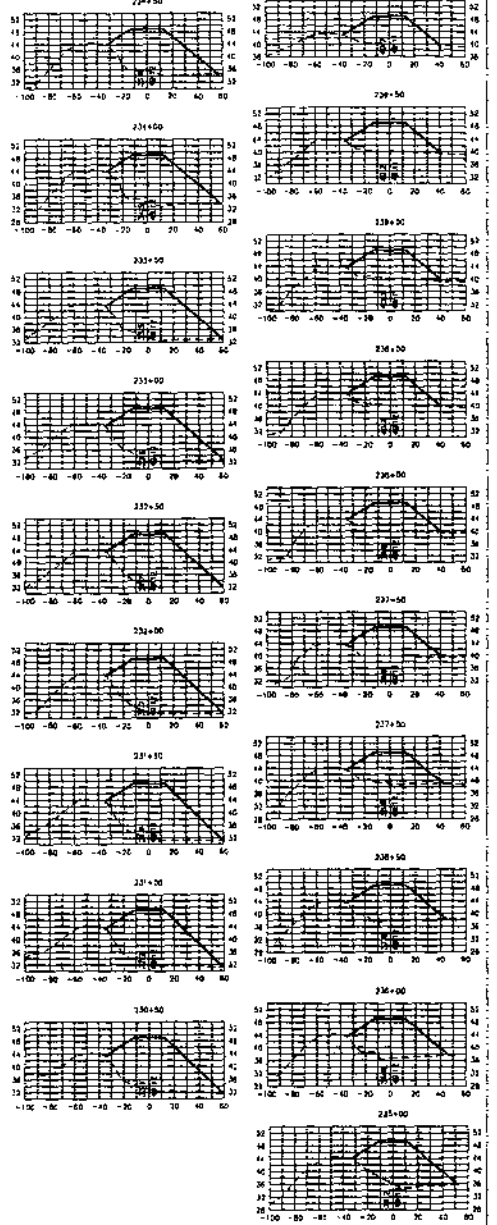
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LEGEND

- PROPOSED LEVEL MATCHPOINT
- PROPOSED LEVEL CENTERLINE
- EXISTING LEVEL CENTERLINE
- EXISTING ASPHALT ROADWAY
- EXISTING GRAVEL ROADWAY
- EXISTING FENCELINE

Station	Cut Volume (CY)	Fill Volume (CY)	Net Volume (CY)
224+50	1,807	705,592	
225+00	1,804	296,952	
226+00	1,806	208,800	
227+00	1,809	110,700	
228+00	1,812	22,500	
229+00	1,815	0	
230+00	1,818	0	
231+00	1,821	0	
232+00	1,824	0	
233+00	1,827	0	
234+00	1,830	0	
235+00	1,833	0	
236+00	1,836	0	
237+00	1,839	0	
238+00	1,842	0	
239+00	1,845	0	
240+00	1,848	0	
TOTAL	18,000	0	18,000



DESIGNED BY: LP DRAWN BY: MC CHECKED BY: LD	REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS 900 Box 578, 423 Front St., Ste 201 York, Washington 22454 Tel: (703) 355-3637 Fax: (304) 235-0437	1 10-11-12 NO. DATE	ADDL DRAWING PLAN STA 230+00 TO 240+00 REVISION	CITY OF BURLINGTON	DIKE 12 LEVEL CERTIFICATION PROPOSED LEVEL ALIGNMENT STA 230+00 TO 240+00	AMF 7-046 09021 SCALE: H ¹ = 50' V ¹ = 5' SHEET 17	DATE: 3-J-11
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