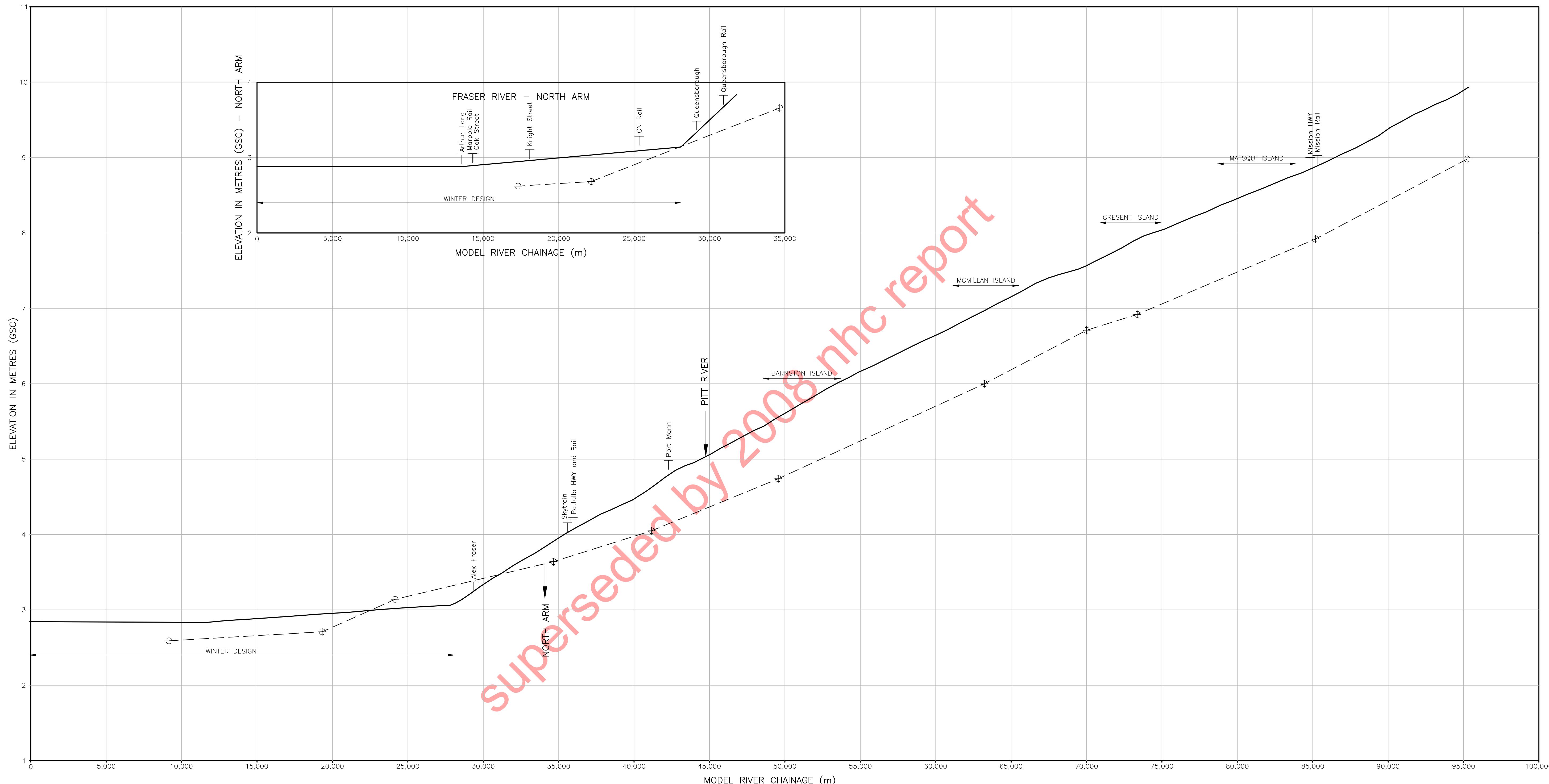


DRAWINGS

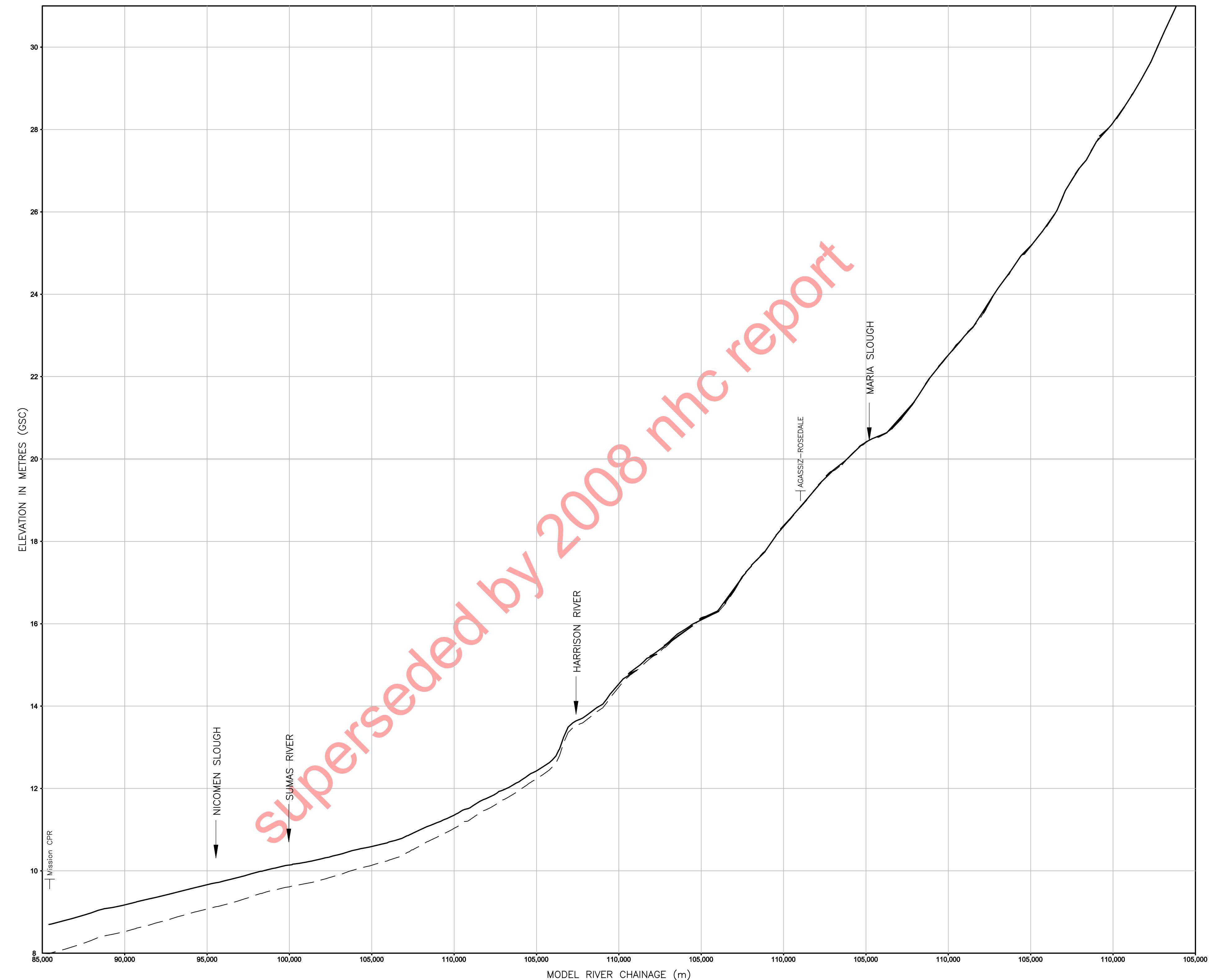


VERTICAL DISTORTION - 1:5000

NOTES:
1) CHAINAGES ARE MIKE 11 MODEL CHAINAGES.
2) FLOWS USED IN THE DESIGN FLOOD ARE:
17,000 m³/s AT HOPE
16,900 m³/s AT MISSION
19,650 m³/s AT NEW WESTMINSTER
(REVIEW RECOMMENDED)

LEGEND
 ——— 1894 Flood (1969 Calculation)
 ——— Updated Design Flood Profile (2006)

nhc northwest hydraulic consultants				SHEET SIZE
Fraser Basin Council Lower Fraser River Hydraulic Model				D
Profile Comparison 2006 Design Flood Profile versus 1969 Profile				SCALE AS NOTED
Downstream of Mission				DATE 6 Nov. 06
DRAWING NUMBER 34325-1				SHT.No. 1/1 REV. 0
NO.	DATE	REVISION	DR. CHK.	APPR.



VERTICAL DISTORTION - 1:2500

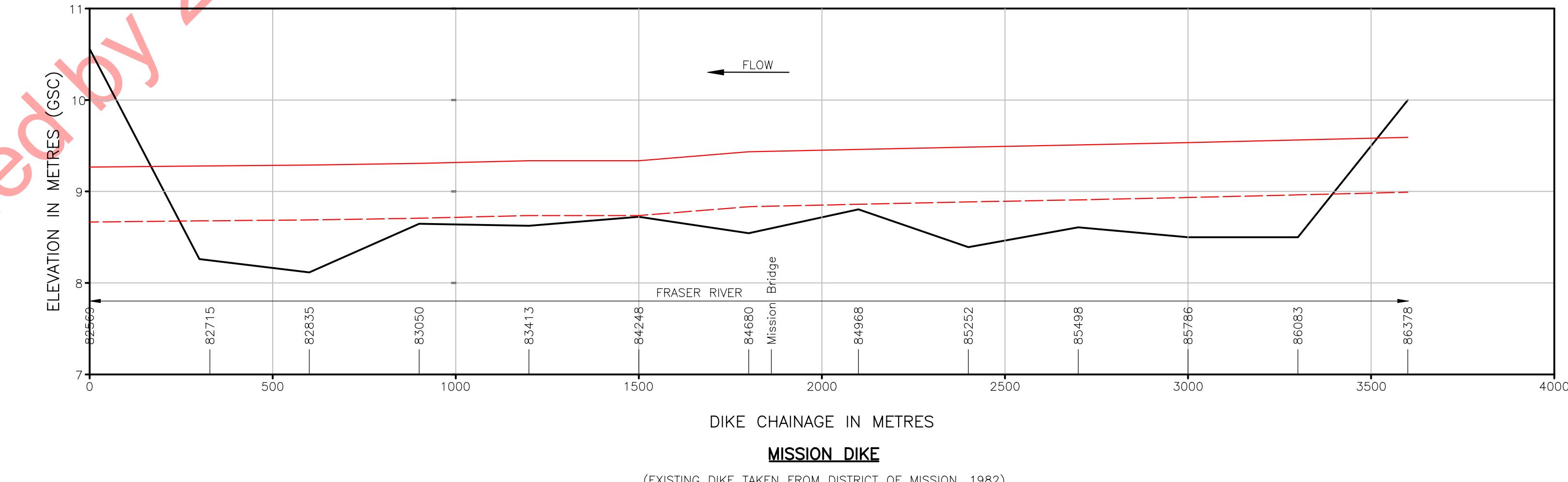
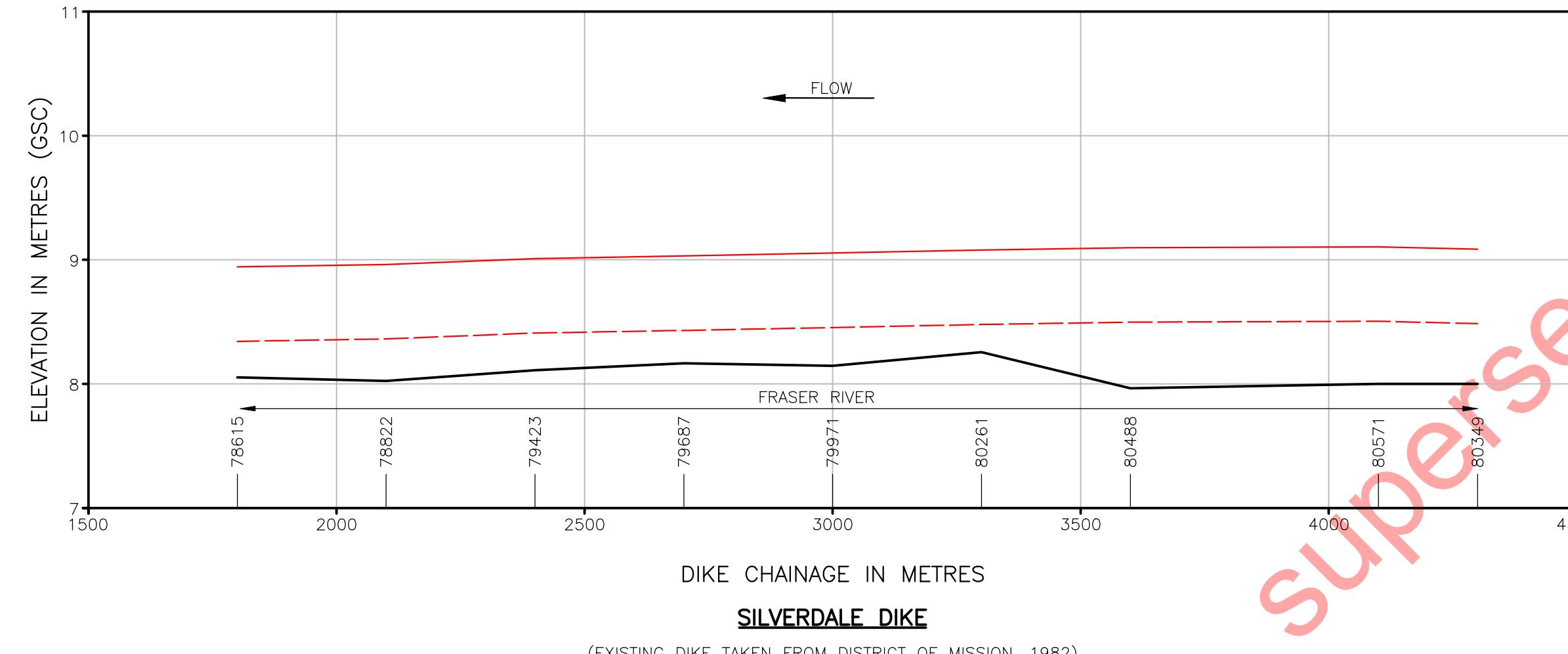
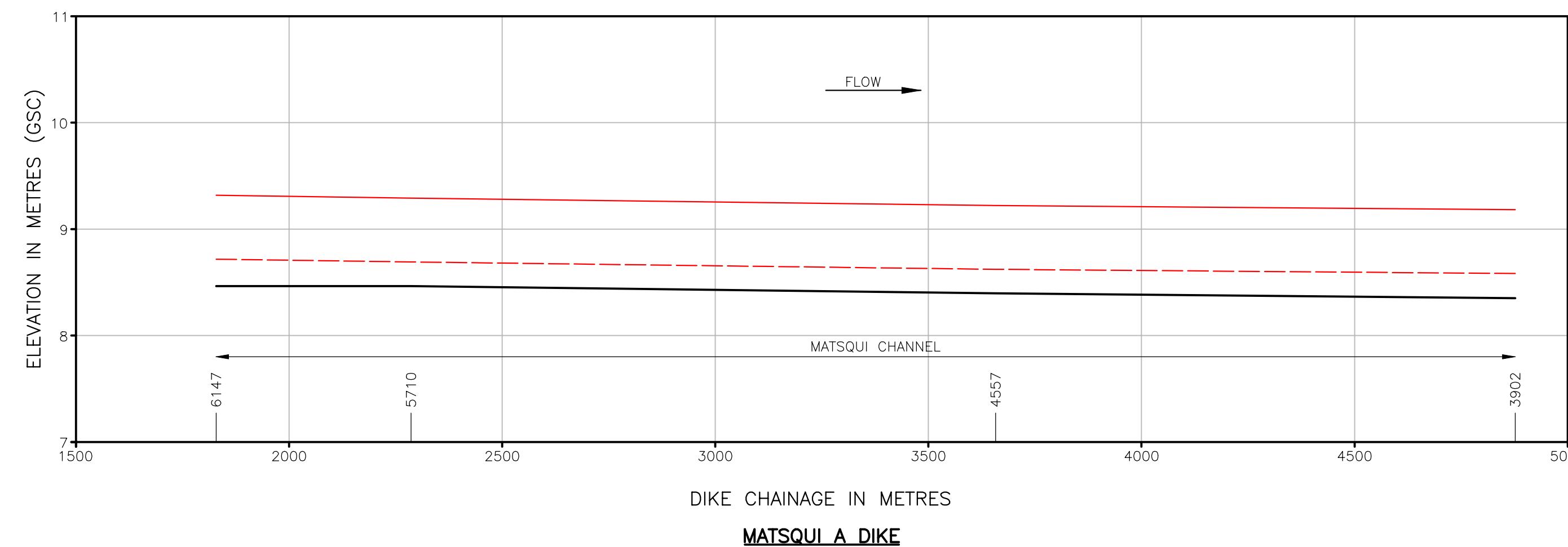
NOTES:

- 1) CHAINAGES ARE MIKE 11 MODEL CHAINAGES.
- 2) UMA (2001) WATER SURFACE PROFILE EXTRACTED FROM UMA 2001 REPORT DRAWINGS.
- 3) THE PRELIMINARY UPDATED DESIGN FLOOD WATER SURFACE IS BASED ON THE UMA MODEL AND A STARTING WATER LEVEL OF 10.00 M AT MISSION.
- 4) FLOWS USED IN THE DESIGN FLOOD ARE:
17,000 m³/s AT HOPE
18,900 m³/s AT MISSION
19,650 m³/s AT NEW WESTMINSTER
(REVIEW RECOMMENDED)

LEGEND

— 2001 DESIGN FLOOD WATER SURFACE (UMA)
— UPDATED DESIGN FLOOD WATER SURFACE

Fraser Basin Council Lower Fraser River Hydraulic Model						SHEET SIZE D	
						SCALE AS NOTED	
						DATE 6 Nov. 06	
						DRAWING NUMBER 34325-2	
NO.	DATE	REVISION	DR.	CHK.	APPR.	SHT.No. 1/1	REV. 0



NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS
 2) ALL ELEVATIONS ARE TO GEODETIC DATUM
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

SCALE
 HORIZONTAL - 1 : 10,000
 VERTICAL - 1 : 40

LEGEND

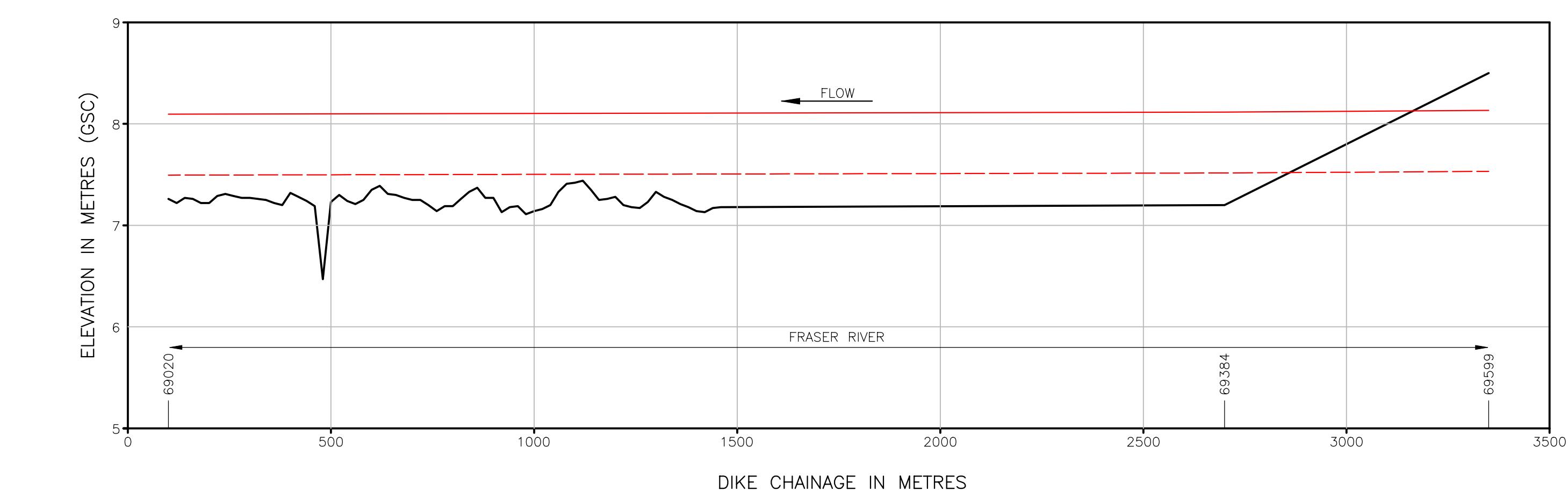
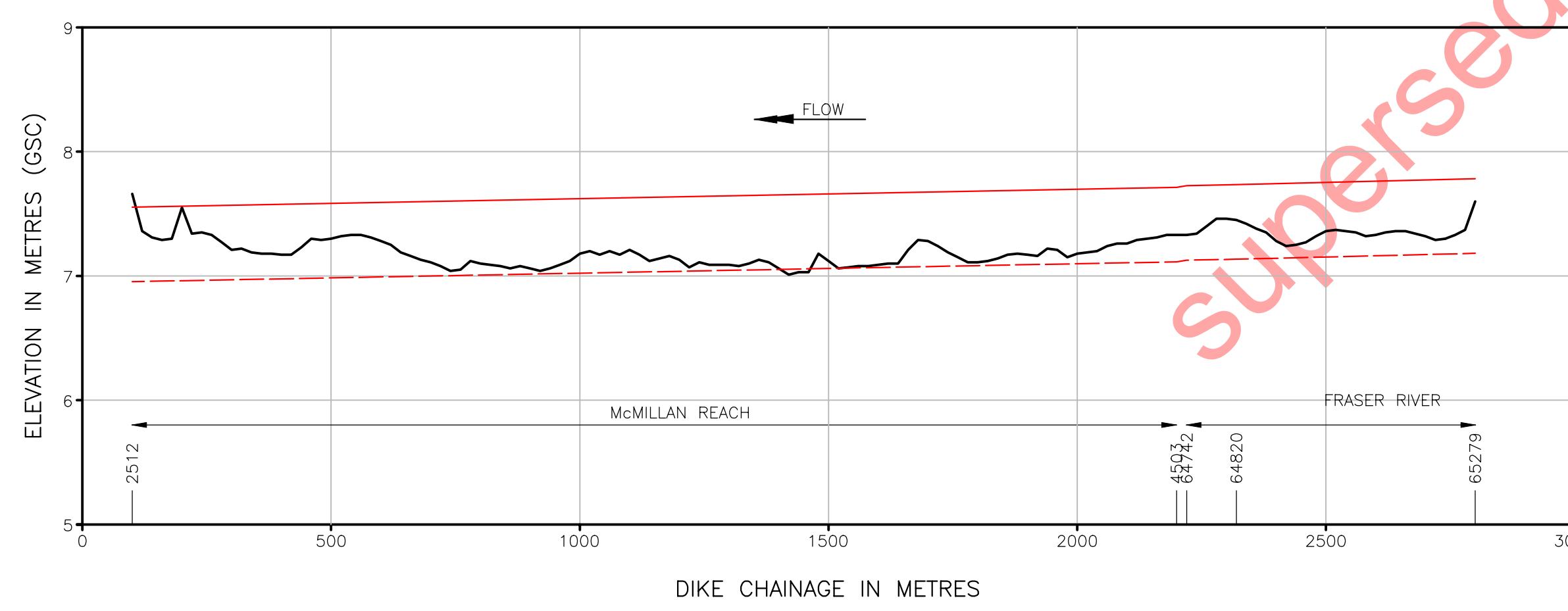
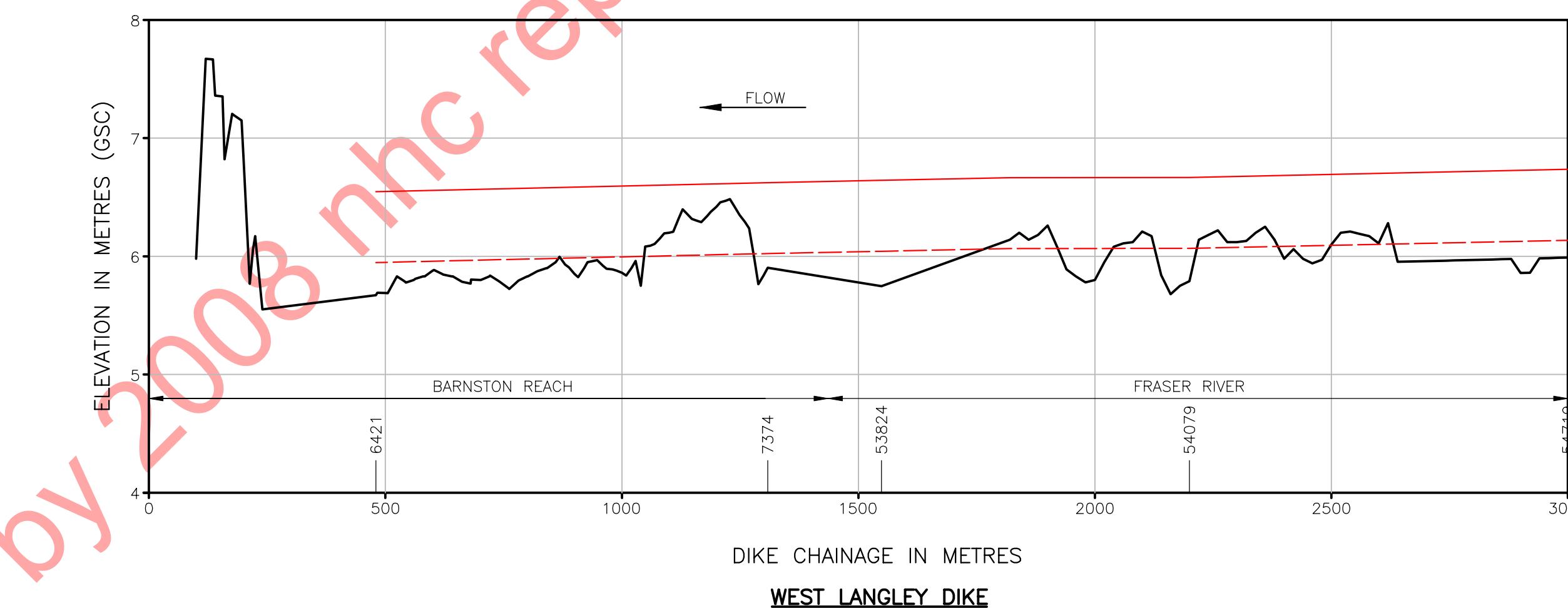
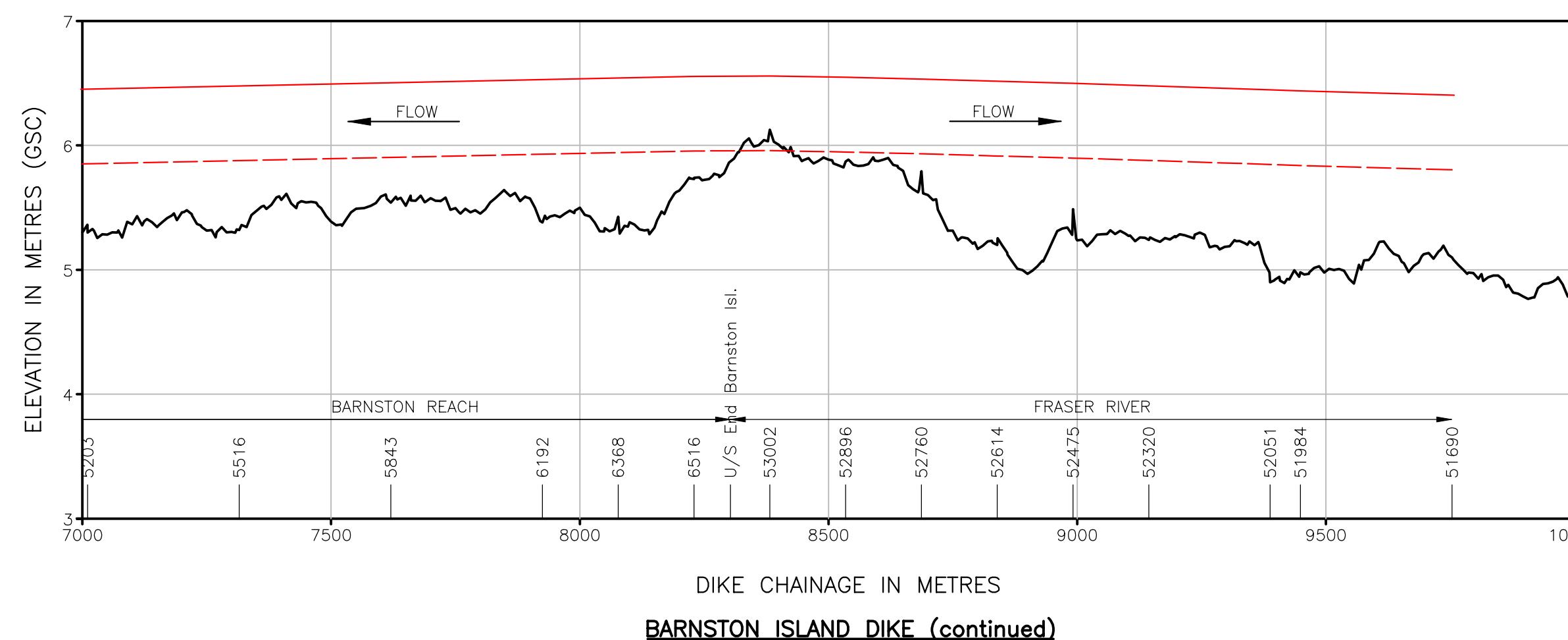
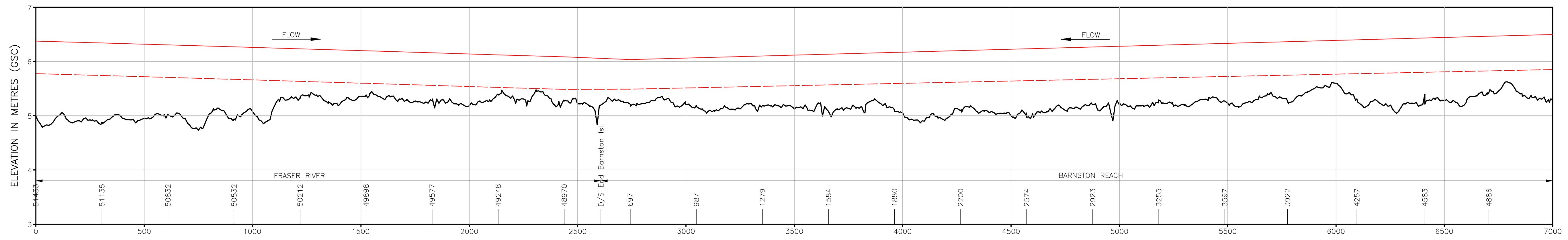
- Existing Dike Crest
- - - Updated Design Flood Water Surface
- Updated Corresponding Dike Crest
- Model River Chainage

6087

nhc northwest hydraulic consultants

Fraser Basin Council		SHEET SIZE
Lower Fraser River Hydraulic Model		D
		SCALE AS NOTED
		DATE 1 Nov 06
		DRAWING NUMBER 34325-3
NO.	DATE	REVISION
DR.	CHK.	APPR.
		SHT.No. 1/1
		REV. 0

nhc-van: \4325-635



NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS
 2) ALL ELEVATIONS ARE TO GEODETIC DATUM
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

SCALE
 HORIZONTAL - 1 : 10,000
 VERTICAL - 1 : 40

LEGEND

- EXISTING DIKE CREST
- - - UPDATED DESIGN FLOOD WATER SURFACE
- EXISTING DIKE CREST
- MODEL RIVER CHAINAGE

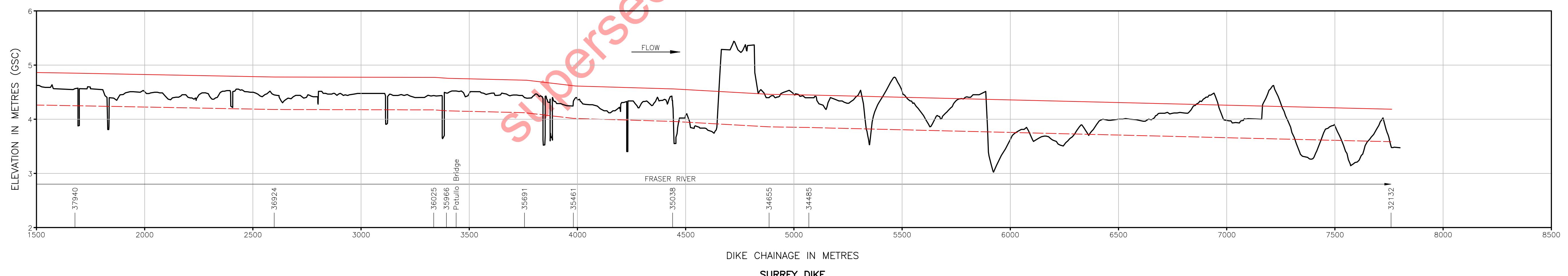
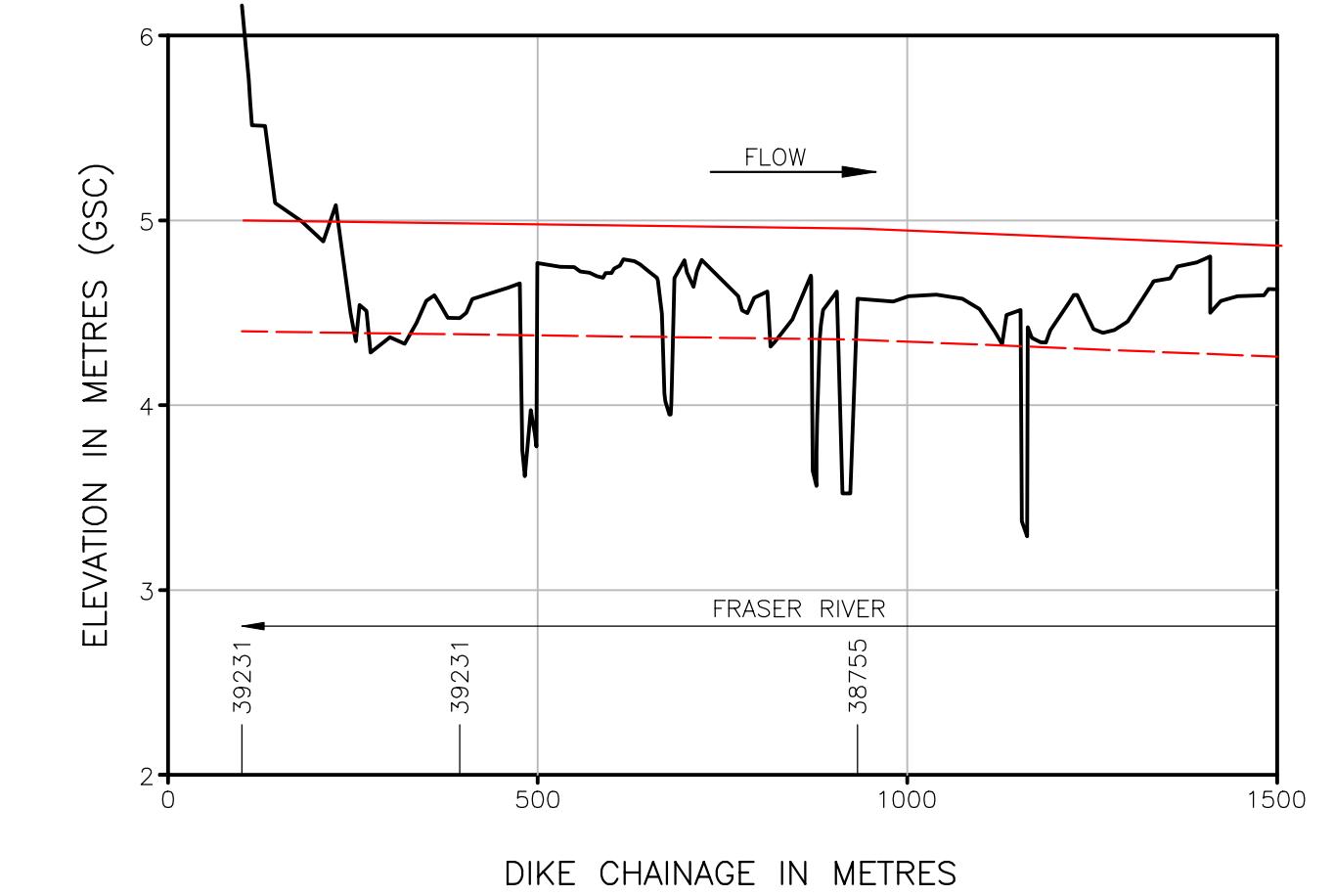
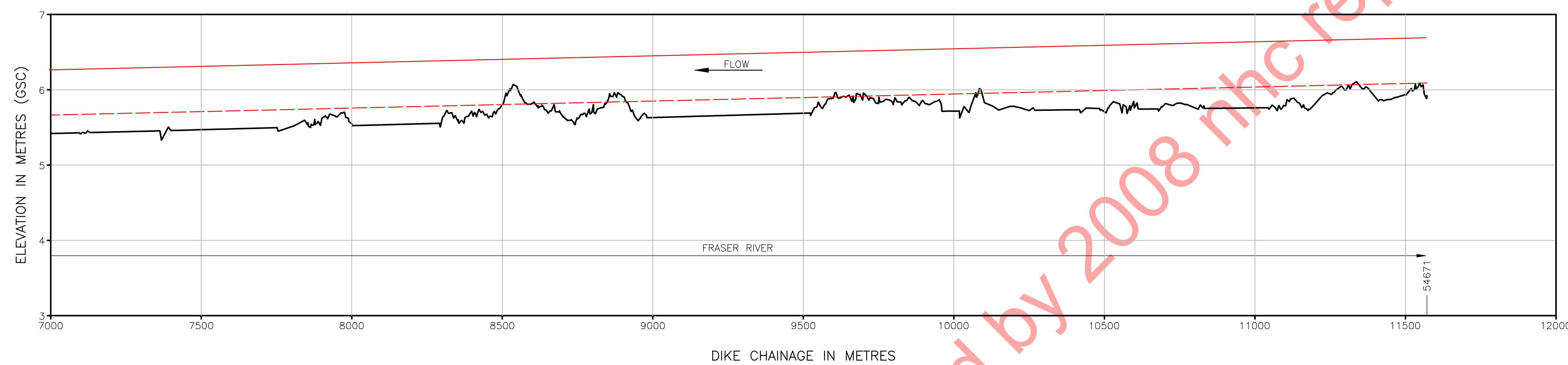
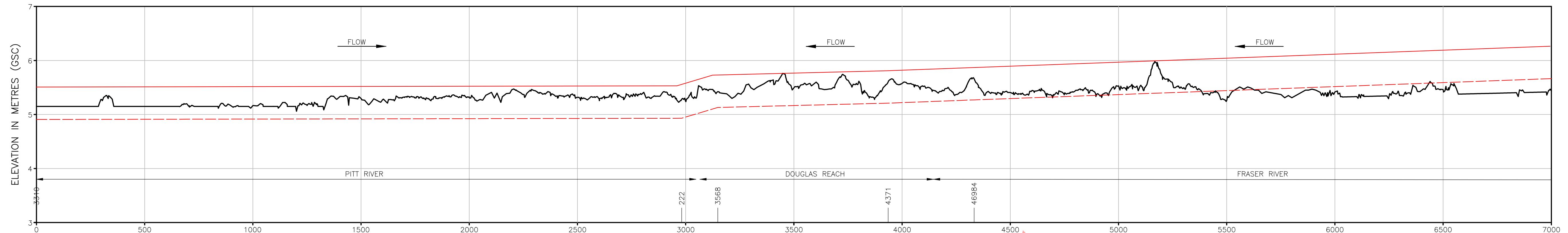
6087

nhc northwest hydraulic consultants

Fraser Basin Council Lower Fraser River Hydraulic Model

SHEET SIZE		D
SCALE		AS NOTED
DATE		1 Nov 06
DRAWING NUMBER		34325-4
NO.	DATE	REVISION
DR.	CHK.	APPR.
		SHT.No. REV.
		1/1 0

nhc-rev: \4325-634



NOTES:

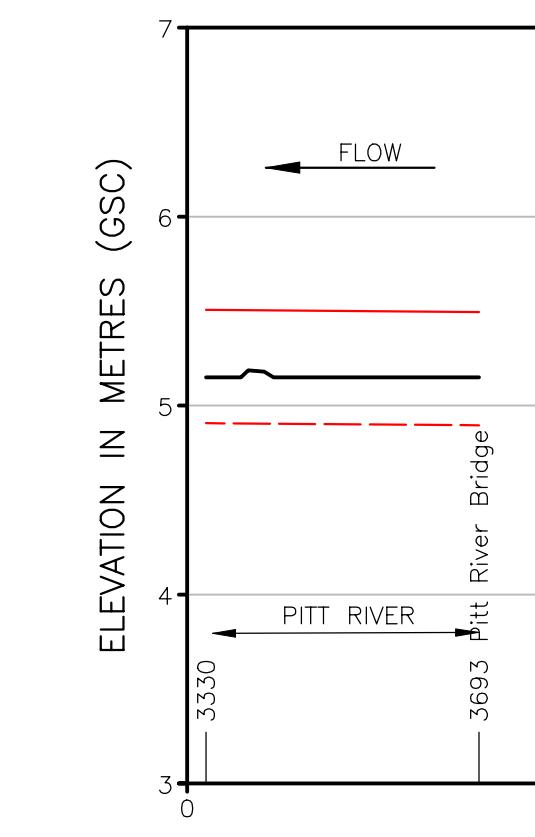
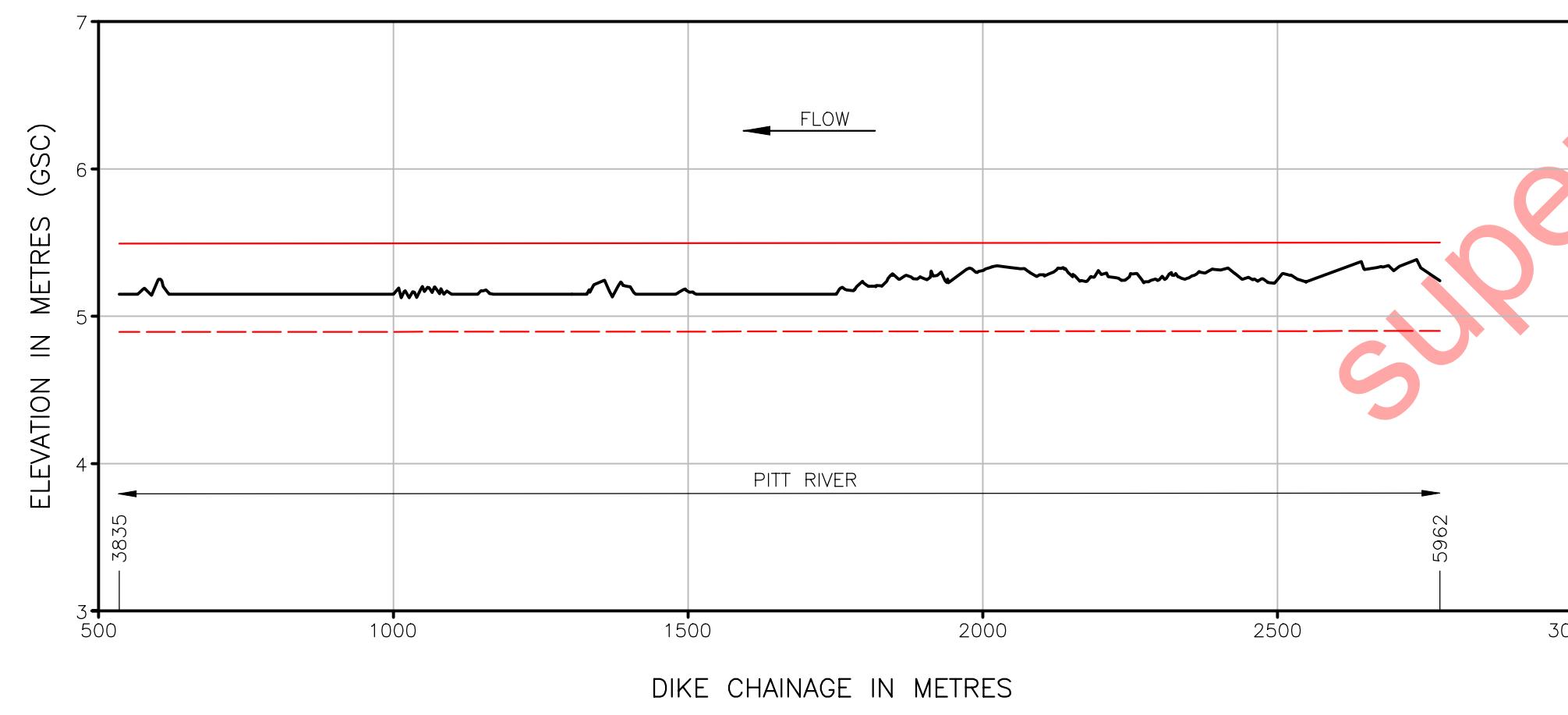
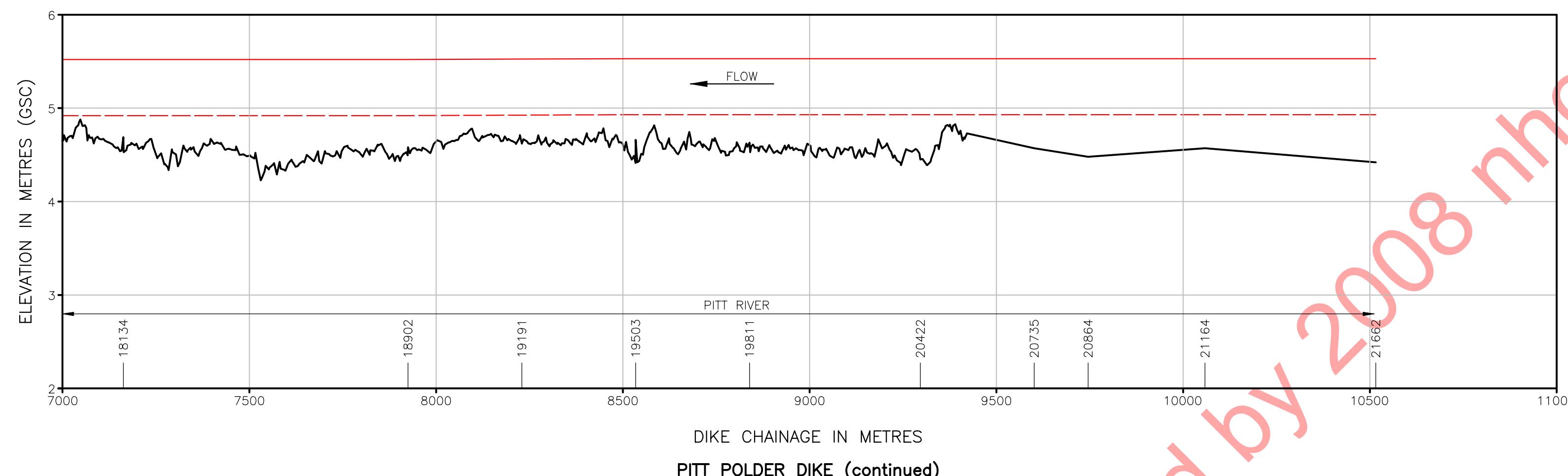
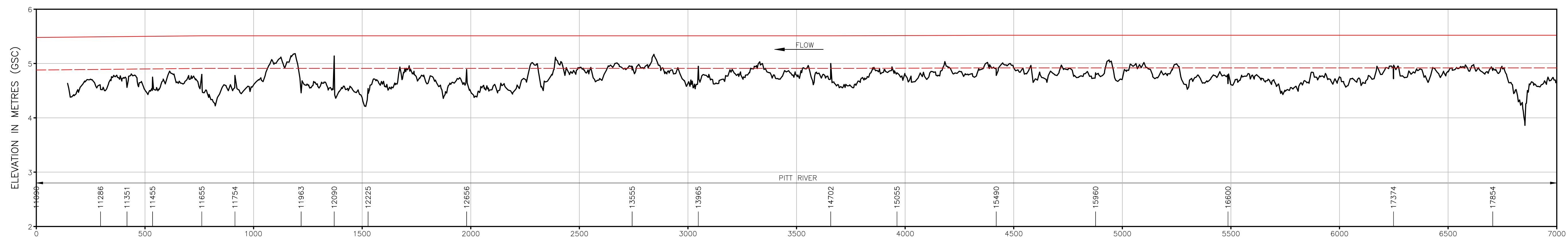
- 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS
- 2) ALL ELEVATIONS ARE TO GEODETIC DATUM
- 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
17,000 m³/s AT HOPE
18,900 m³/s AT MISSION
19,650 m³/s AT NEW WESTMINSTER
(REVIEW RECOMMENDED)

SCALE
HORIZONTAL - 1 : 10,000
VERTICAL - 1 : 40

LEGEND

- EXISTING DIKE CREST
- - - UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED CORRESPONDING DIKE CREST
- MODEL RIVER CHAINAGE
- 6087

Fraser Basin Council Lower Fraser River Hydraulic Model				SHEET SIZE D	
				SCALE AS NOTED	
				DATE 1 Nov 06	
Dike Crest and Flood Profile Comparison	District of Pitt Meadows, City of Surrey			DRAWING NUMBER	
				34325-5	SHT.No. REV.
				1/1	0



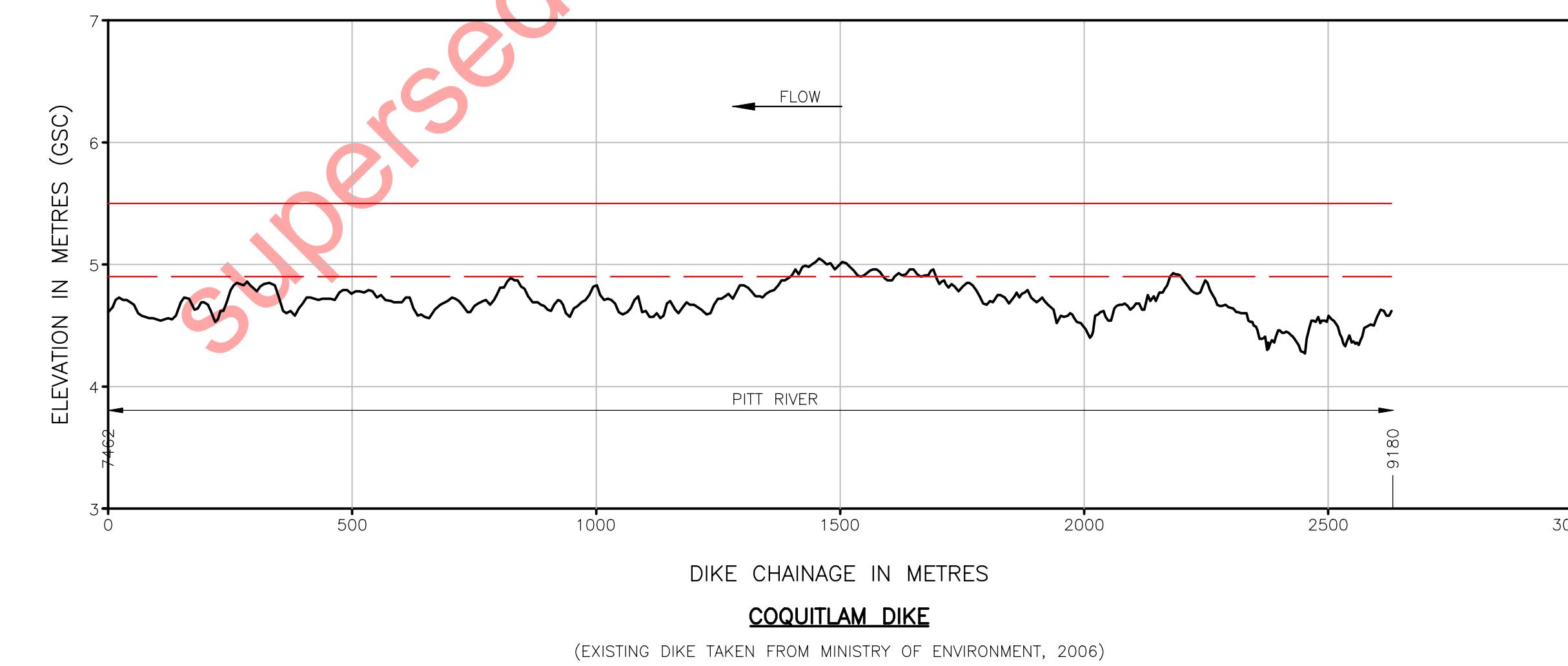
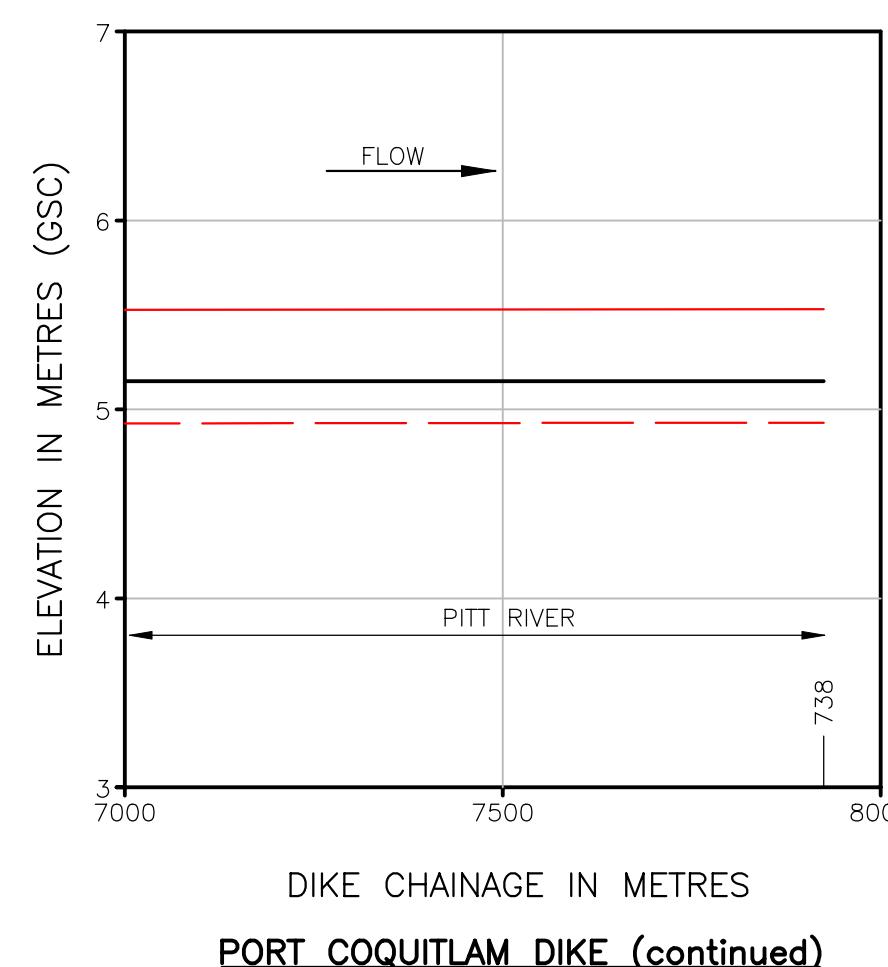
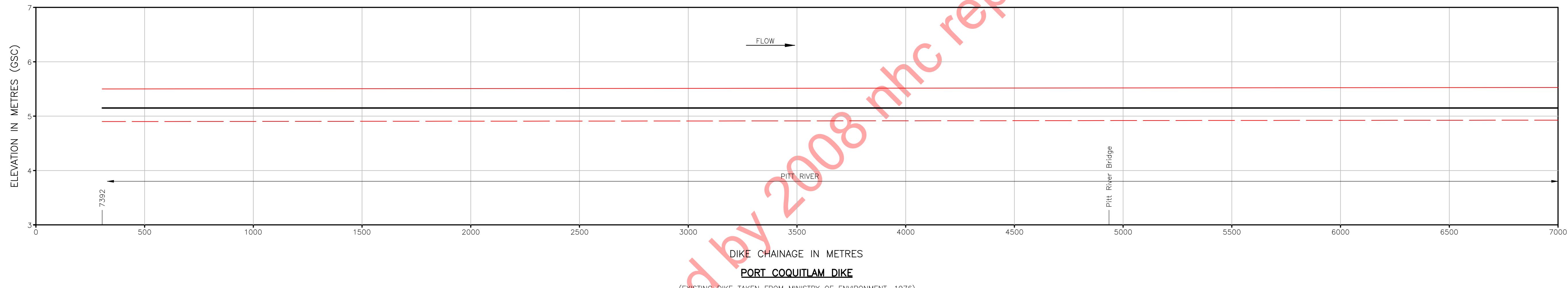
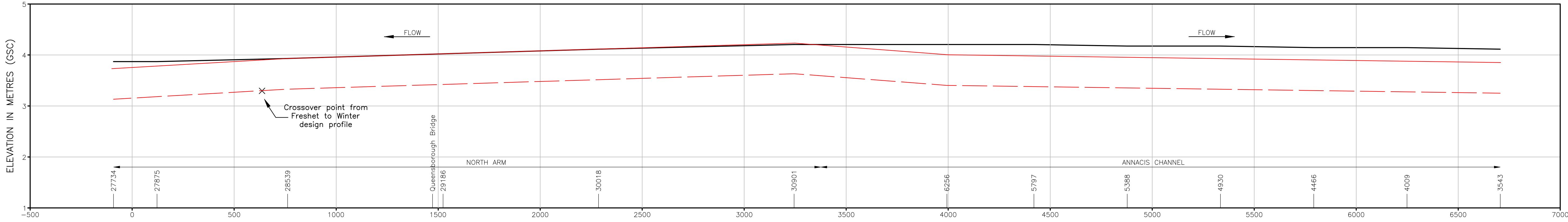
NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS
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 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

SCALE
 HORIZONTAL - 1 : 10,000
 VERTICAL - 1 : 40

LEGEND

- Existing Dike Crest
- Updated Design Flood Water Surface
- Updated Corresponding Dike Crest
- Model River Chainage
- 6087

Fraser Basin Council				Lower Fraser River Hydraulic Model				SHEET SIZE	
nhc northwest hydraulic consultants				D				SCALE AS NOTED	
Dike Crest and Flood Profile Comparison				DATE				1 Nov 06	
District of Pitt Meadows				DRAWING NUMBER				34325-6	
NO. DATE				REVISION				SHT.No.	REV.
								1/1	0



NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS
 OR ON OTHER DRAWINGS
 2) ALL ELEVATIONS ARE TO GEODETIC DATUM
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

5) WINTER DESIGN PROFILE BASED 200-YEAR WINTER FLOWS
 AND ON THE FOLLOWING OCEAN LEVELS:
 POINT ATKINSON: 2.89m
 NORTH ARM: 2.88m
 MIDDLE ARM: 2.87m
 MAIN ARM: 2.84m
 CANOE PASS: 2.78m

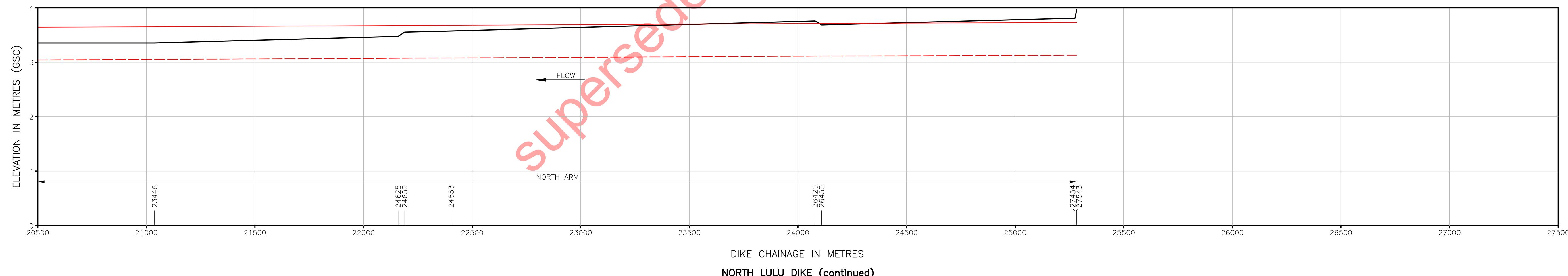
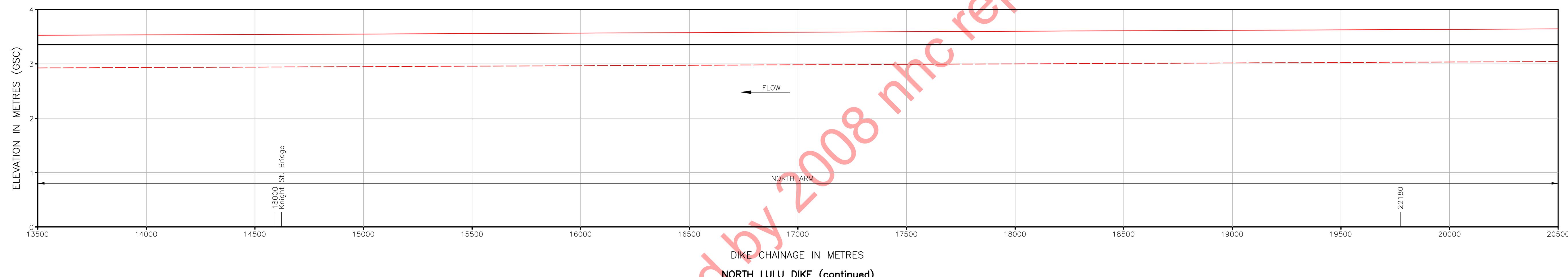
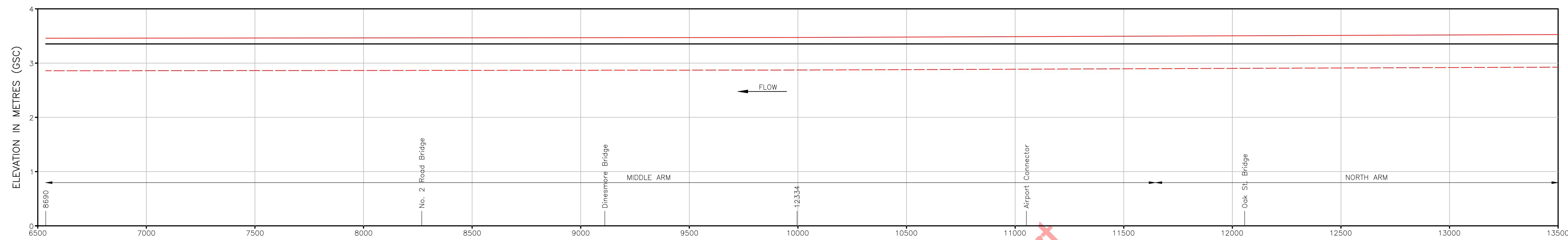
SCALE
 HORIZONTAL - 1 : 10,000
 VERTICAL - 1 : 40

LEGEND

- EXISTING DIKE CREST
- UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED CORRESPONDING DIKE CREST
- MODEL RIVER CHAINAGE

6087

Fraser Basin Council Lower Fraser River Hydraulic Model				SHEET SIZE
				SCALE AS NOTED
				DATE
				1 Nov 06
DRAWING NUMBER				D
34325-7				SHT.No. REV.
1/1 0				
NO.	DATE	REVISION	DR. CHK. APPR.	



SCALE
HORIZONTAL - 1 : 10,000
VERTICAL - 1 : 40

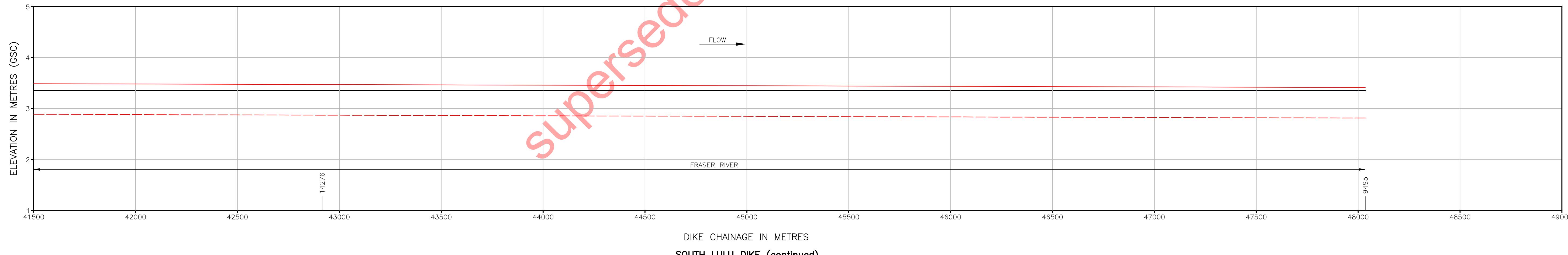
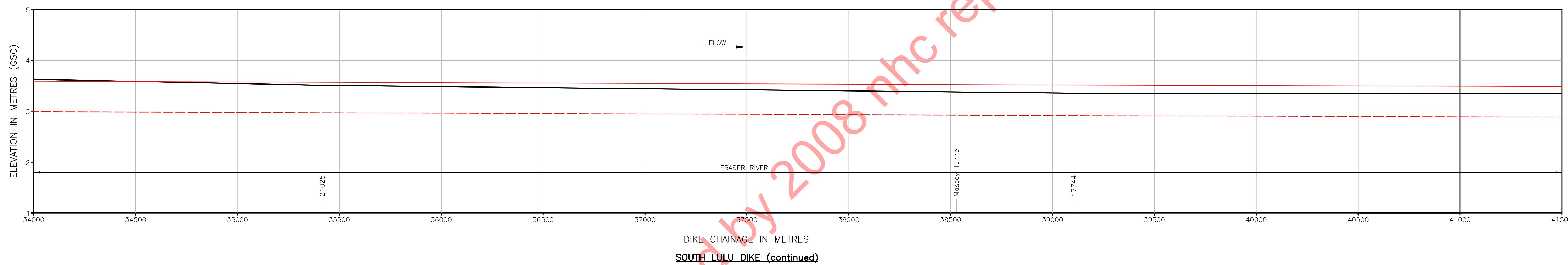
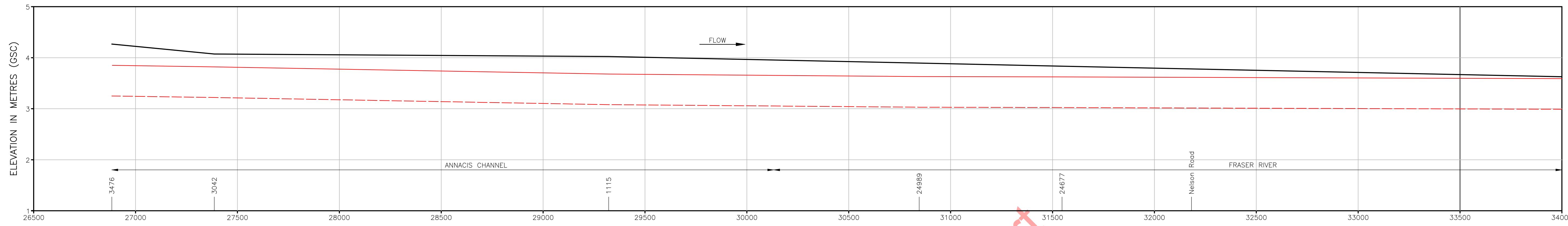
LEGEND

- EXISTING DIKE CREST
- UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED CORRESPONDING DIKE CREST
- MODEL RIVER CHAINAGE
- 6087

NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS.
 2) ALL ELEVATIONS ARE TO GEODETIC DATUM.
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

5) WINTER DESIGN PROFILE BASED ON 200-YEAR WINTER FLOWS AND ON THE FOLLOWING OCEAN LEVELS:
 POINT ATKINSON: 2.89m
 NORTH ARM: 2.88m
 MIDDLE ARM: 2.87m
 MAIN ARM: 2.84m
 CANOE PASS: 2.78m

nhc northwest hydraulic consultants		SHEET SIZE
Fraser Basin Council		D
Lower Fraser River Hydraulic Model		SCALE AS NOTED
Dike Crest and Flood Profile Comparison		DATE
City of Richmond		1 Nov 06
DRAWING NUMBER		
34325-8		SHT.No. REV.
1/1 0		



SCALE
HORIZONTAL - 1 : 10,000
VERTICAL - 1 : 40

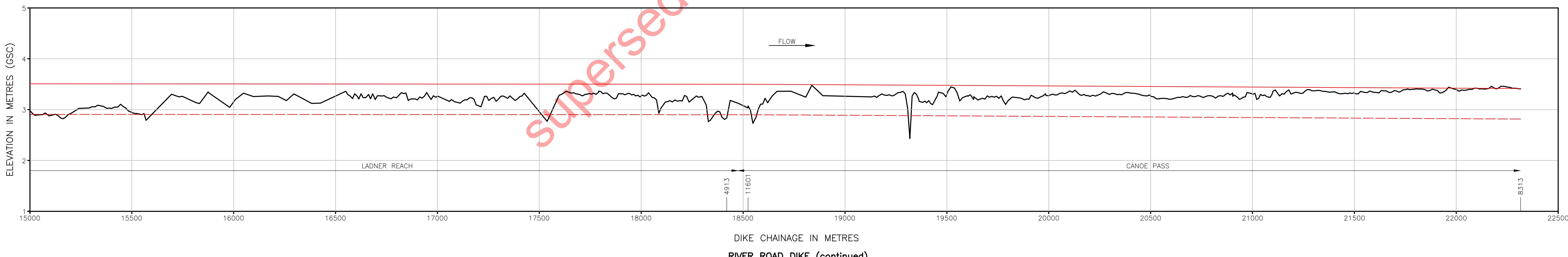
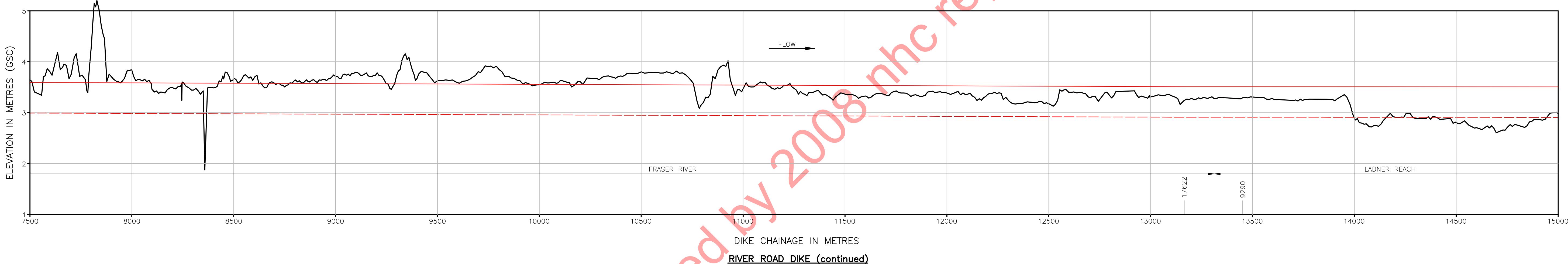
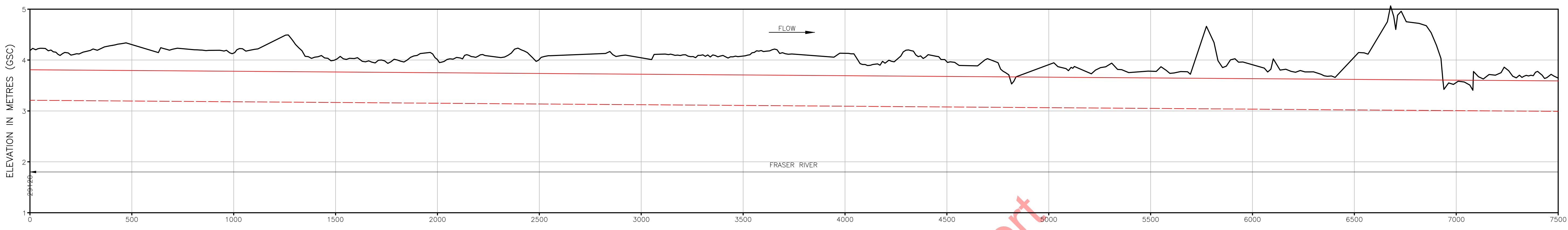
LEGEND

- EXISTING DIKE CREST
- - - UPDATED DESIGN FLOOD WATER SURFACE
- - - UPDATED CORRESPONDING DIKE CREST
- MODEL RIVER CHAINAGE

NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS.
 2) ALL ELEVATIONS ARE TO GEODETIC DATUM.
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

5) WINTER DESIGN PROFILE BASED ON 200-YEAR WINTER FLOWS AND THE FOLLOWING OCEAN LEVELS:
 POINT ATKINSON: 2.89m
 NORTH ARM: 2.88m
 MIDDLE ARM: 2.87m
 MAIN ARM: 2.84m
 CANOE PASS: 2.78m

nhc northwest hydraulic consultants				Fraser Basin Council Lower Fraser River Hydraulic Model		SHEET SIZE D	
				Dike Crest and Flood Profile Comparison City of Richmond		SCALE AS NOTED	
						DATE 1 Nov 06	
				DRAWING NUMBER			
34325-9		SHT.No.	REV.	NO.	DATE	REVISION	DR. CHK. APPR.
1/1		0					



SCALE
HORIZONTAL - 1 : 10,000
VERTICAL - 1 : 40

LEGEND

- EXISTING DIKE CREST
- UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED CORRESPONDING DIKE CREST
- MODEL RIVER CHAINAGE

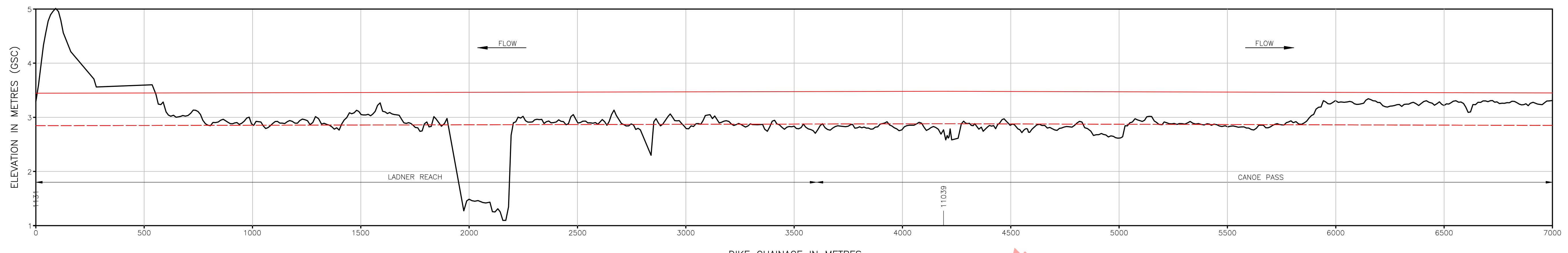
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NOTES:
 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MANUALS OR ON OTHER DRAWINGS
 2) ALL ELEVATIONS ARE TO GEODETIC DATUM
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

5) WINTER DESIGN PROFILE BASED ON 200-YEAR WINTER FLOWS AND ON THE FOLLOWING OCEAN LEVELS:

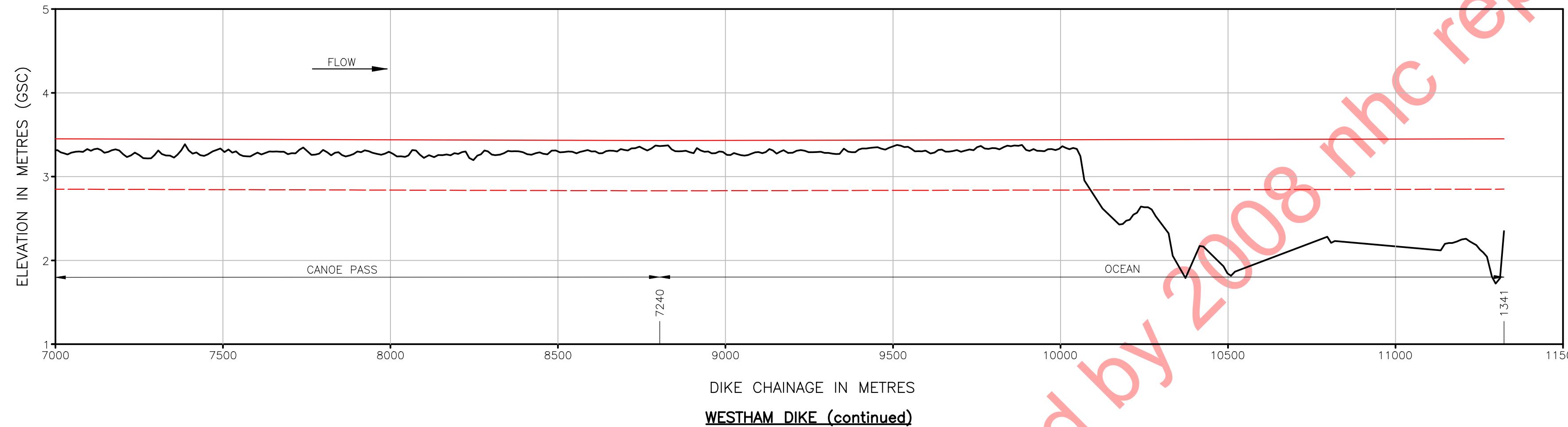
POINT ATKINSON: 2.89m
 NORTH ARM: 2.88m
 MIDDLE ARM: 2.87m
 MAIN ARM: 2.84m
 CANOE PASS: 2.78m

Fraser Basin Council Lower Fraser River Hydraulic Model				SHEET SIZE
				SCALE AS NOTED
				DATE
				1 Nov 06
Dike Crest and Flood Profile Comparison Corporation of Delta	DRAWING NUMBER	NO.	DATE	REV.
	34325-10			1/1 0
		NO.	DATE	REVISION DR. CHK. APPR.

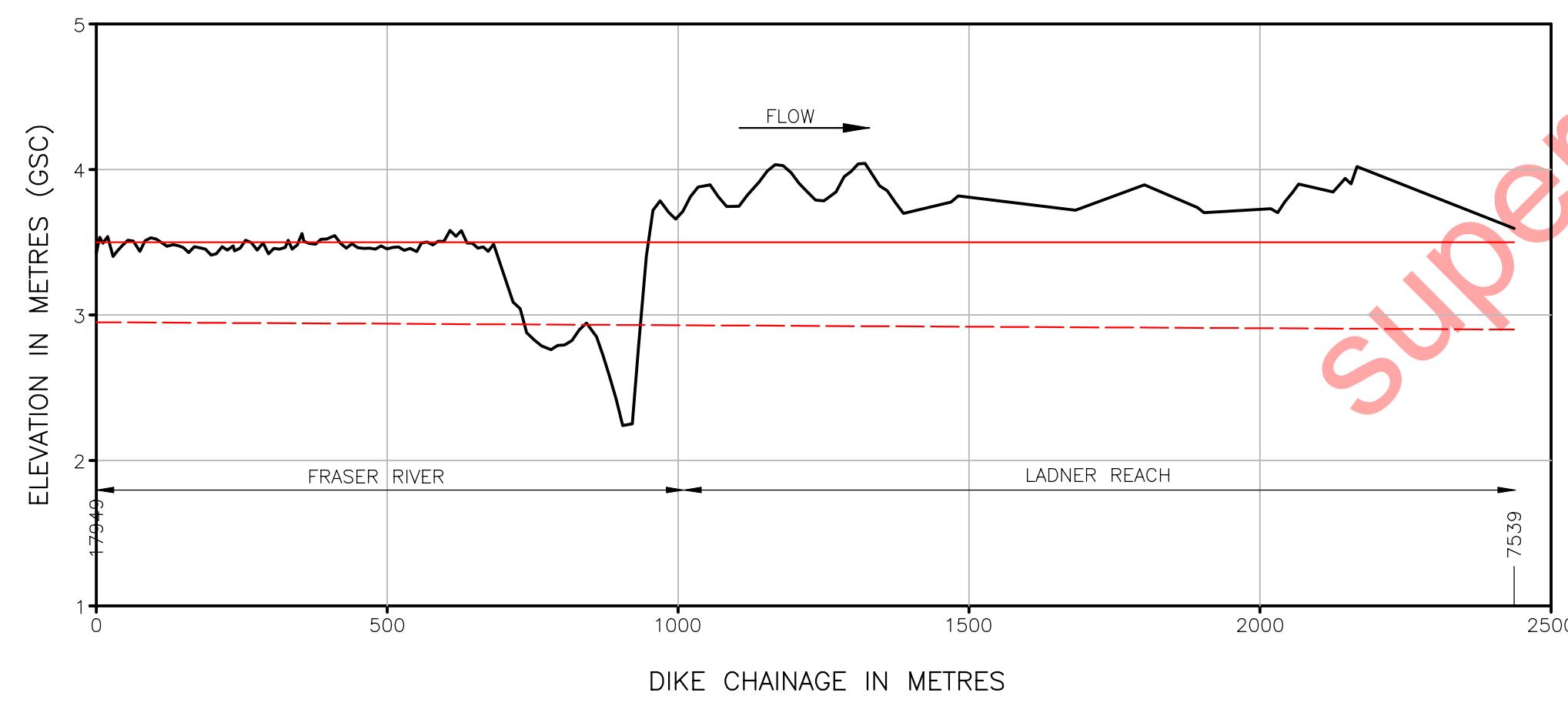


WESTHAM DIKE

(EXISTING DIRE TAKEN FROM MINISTRY OF ENVIRONMENT, 1999)



DIKE CHAINAGE IN METRE
WESTHAM DIKE (continued)



MARINE GARDENS DIKE

(EXISTING DIKE TAKEN FROM MINISTRY OF ENVIRONMENT, 19

SCALE
HORIZONTAL - 1 : 10,000
VERTICAL - 1 : 40

END
EXISTING DIKE CREST
UPDATED DESIGN FLOOD WATER SURFACE
UPDATED CORRESPONDING DIKE CREST
MODEL RIVER CHAINAGE
— 6087

NOTES:

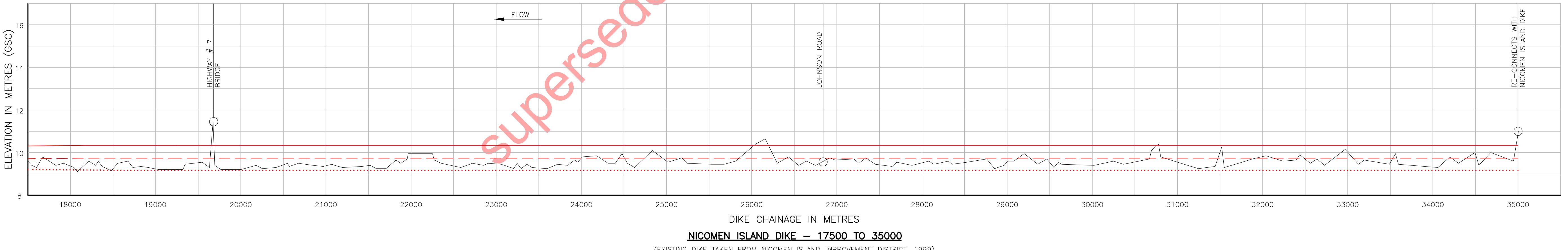
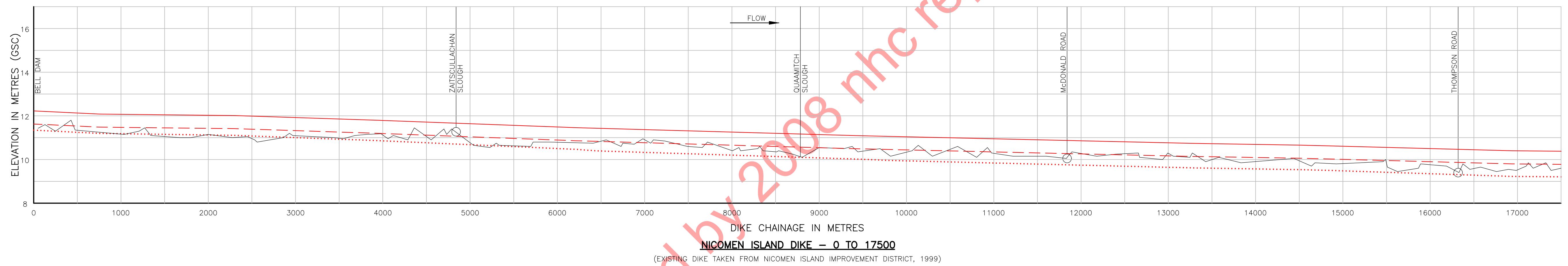
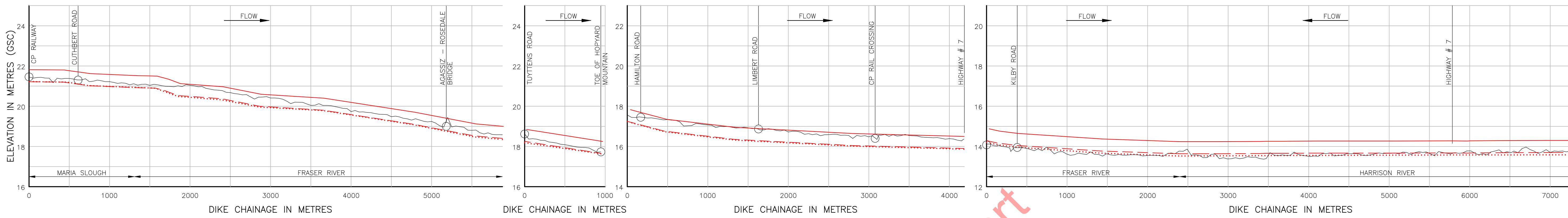
- 1) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN O&M MAPS OR ON OTHER DRAWINGS
- 2) ALL ELEVATIONS ARE TO GEODETIC DATUM
- 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
17,000 m³/s AT HOPE
18,900 m³/s AT MISSION
19,650 m³/s AT NEW WESTMINSTER
(REVIEW RECOMMENDED)

ANUALS

5) WINTER DESIGN PROFILE BASED ON 200-YEAR WINTER FLOODS
AND ON THE FOLLOWING OCEAN LEVELS:

POINT ATKINSON: 2.89m
NORTH ARM 2.88m
MIDDLE ARM: 2.87m
MAIN ARM: 2.84m
CANOE PASS: 2.78m

 northwest hydraulic consultants	
Fraser Basin Council Lower Fraser River Hydraulic Model	
Dike Crest and Flood Profile Comparison Corporation of Delta	
SHEET SIZE D	
SCALE AS NOTED	
DATE 1 Nov 06	
DRAWING NUMBER	
34325-11	SHT.No.
	REV.
1/1	0



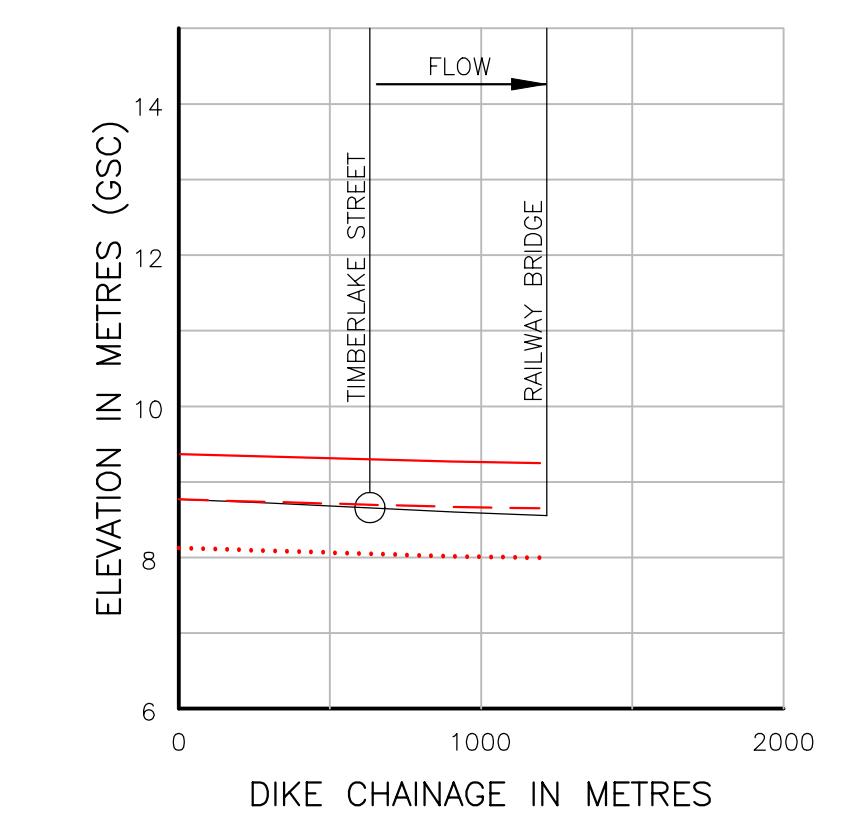
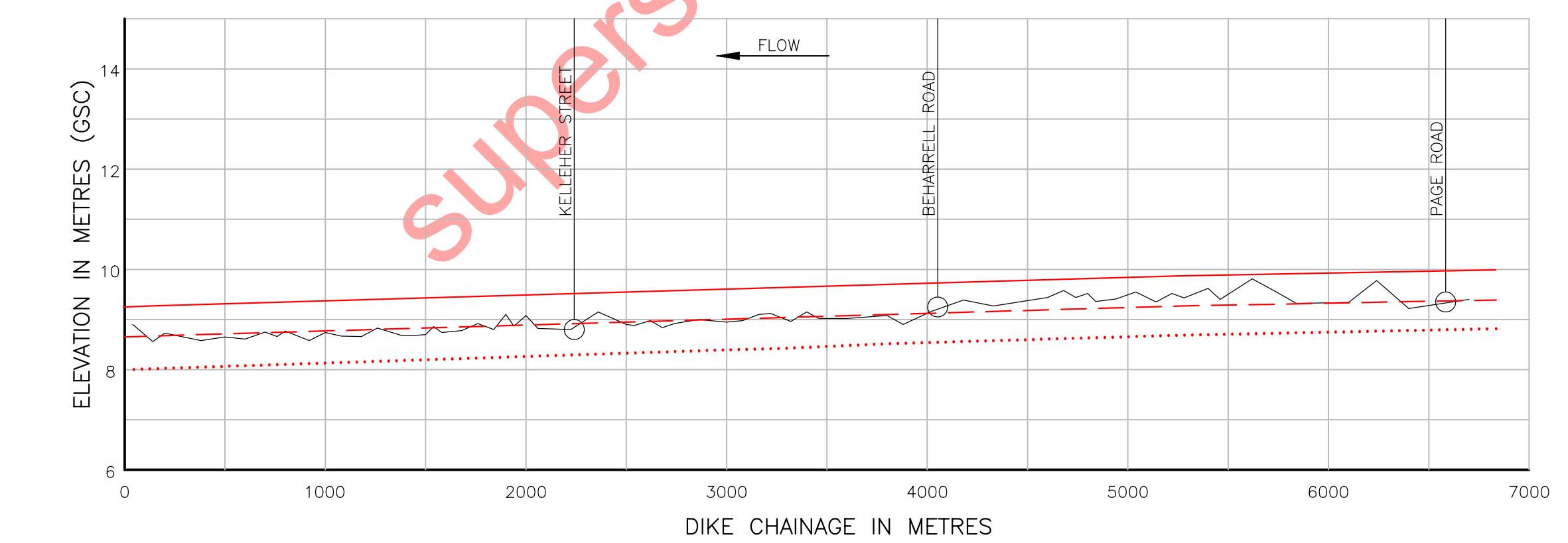
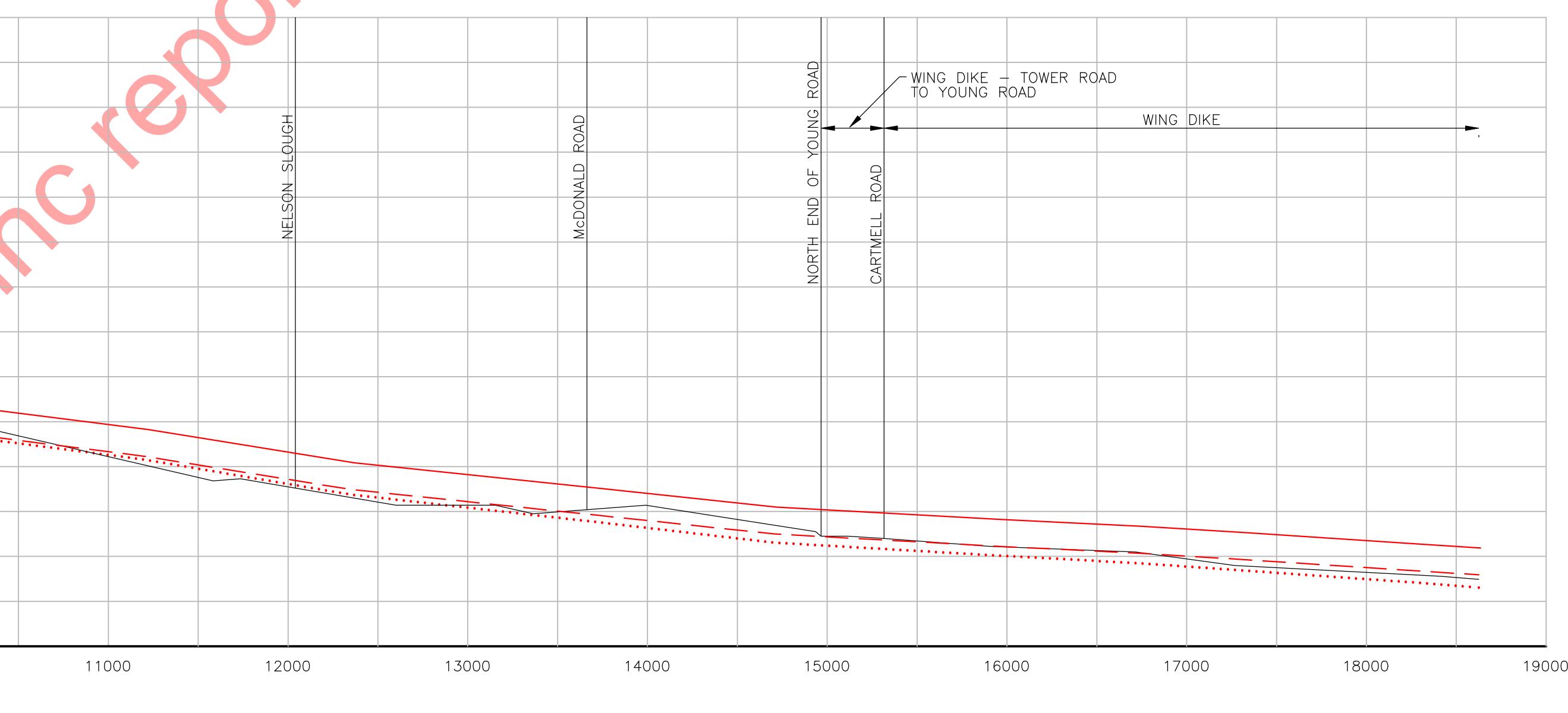
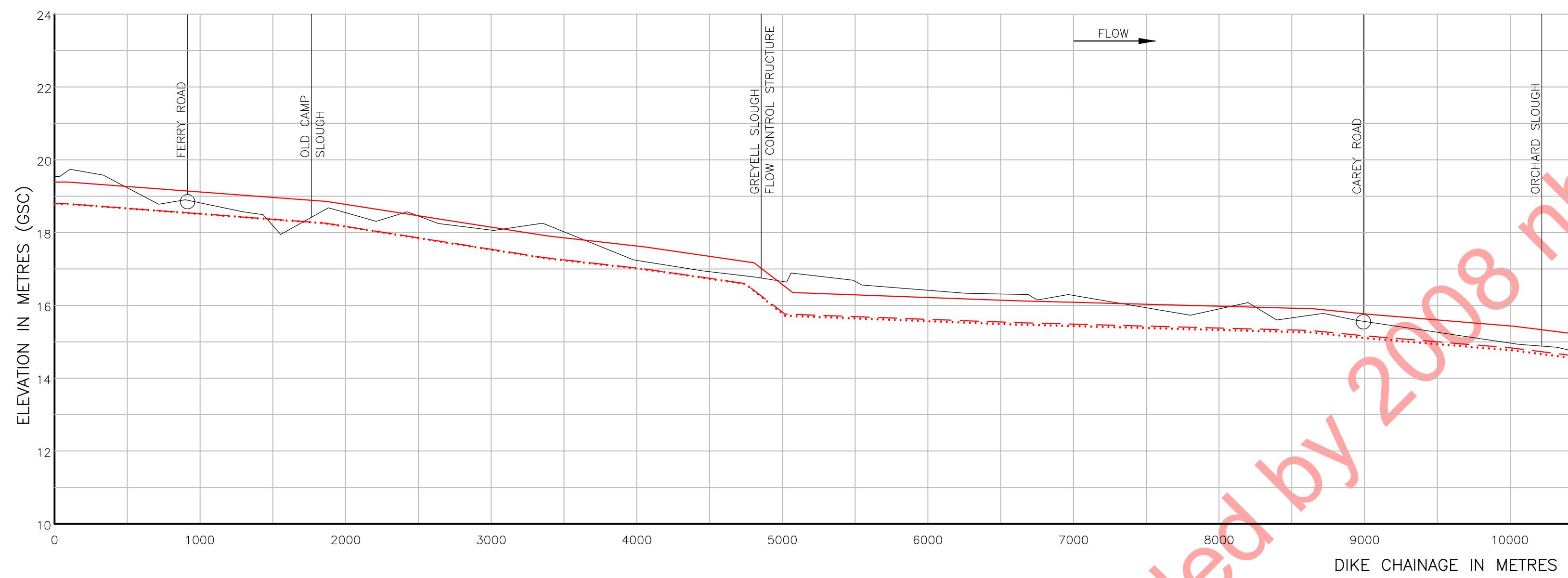
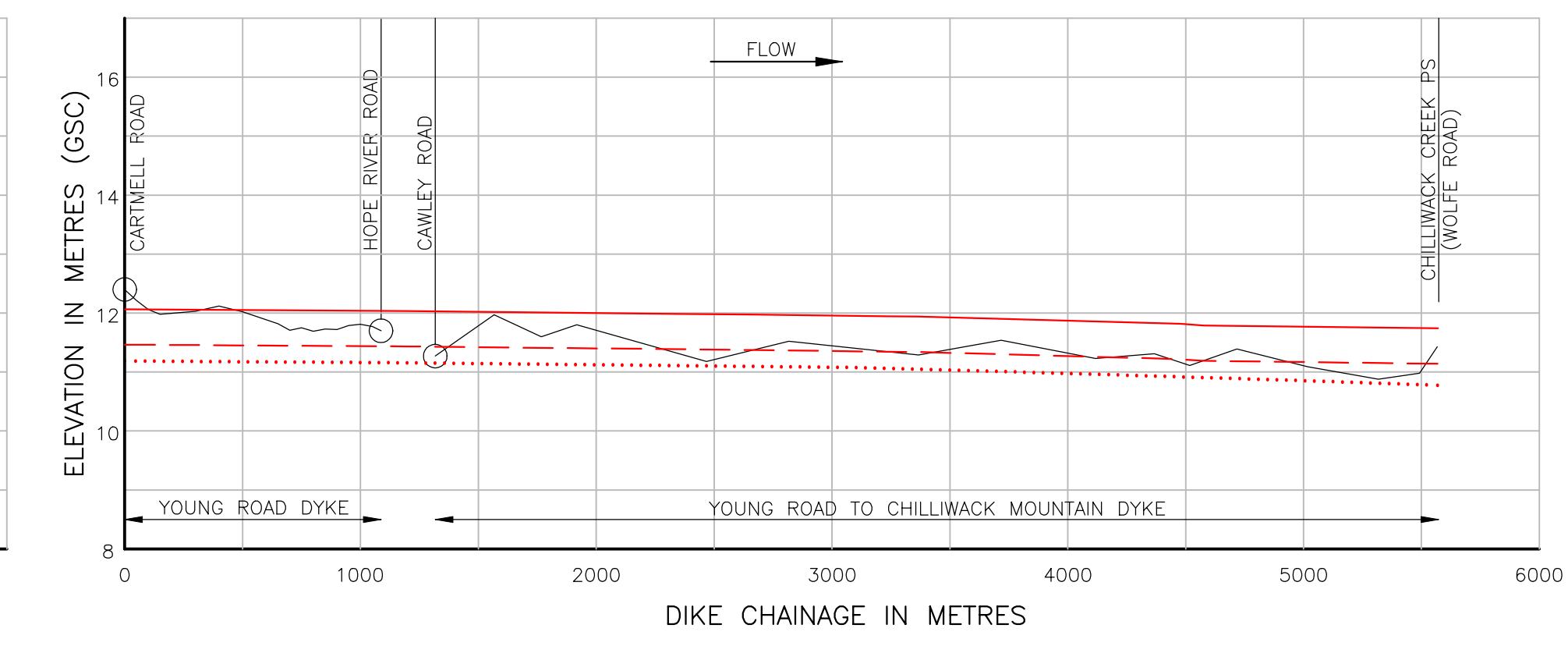
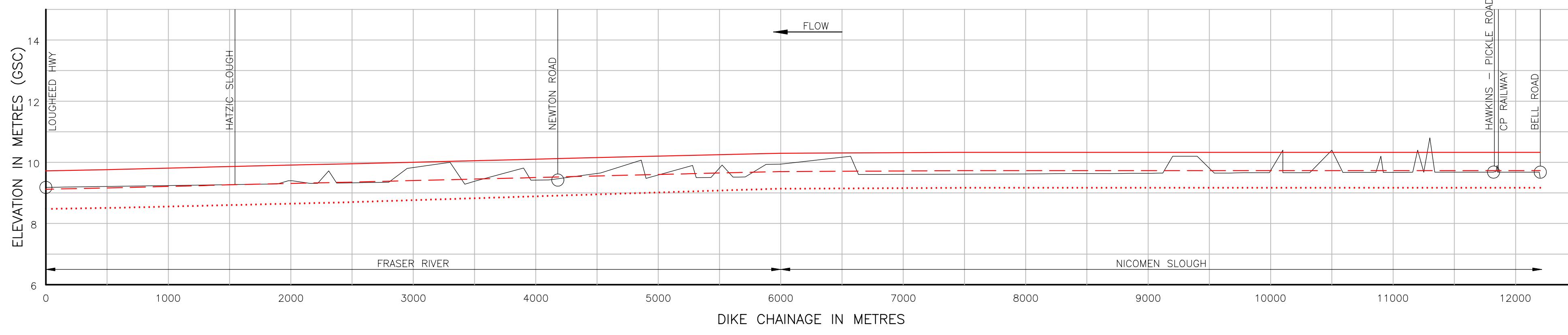
SCALE
HORIZONTAL - 1 : 25,000
VERTICAL - 1 : 100

NOTES:
1) UMA (2001) WATER SURFACE PROFILES AND DIKE CREST INFORMATION EXTRACTED FROM UMA 2001 REPORT DRAWINGS.
2) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN THE SOURCE DRAWINGS AND OBTAINED FROM UMA/MOE.
3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
17,000 m³/s AT HOPE
18,900 m³/s AT MISSION
19,650 m³/s AT NEW WESTMINSTER
(REVIEW RECOMMENDED)

LEGEND

- EXISTING DIKE CREST
- UMA (2001) DESIGN FLOOD WATER SURFACE
- - - UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED DIKE CREST

nhc northwest hydraulic consultants				SHEET SIZE
Fraser Basin Council				D
Lower Fraser River Hydraulic Model				SCALE AS NOTED
Profile Comparison				DATE 1 Nov 06
Dike Crest and Flood Profile Comparison				DRAWING NUMBER 34325-12
District of Kent to District of Mission				SHT.No. 1/3
nbc-var: \4325-640				REV. 0



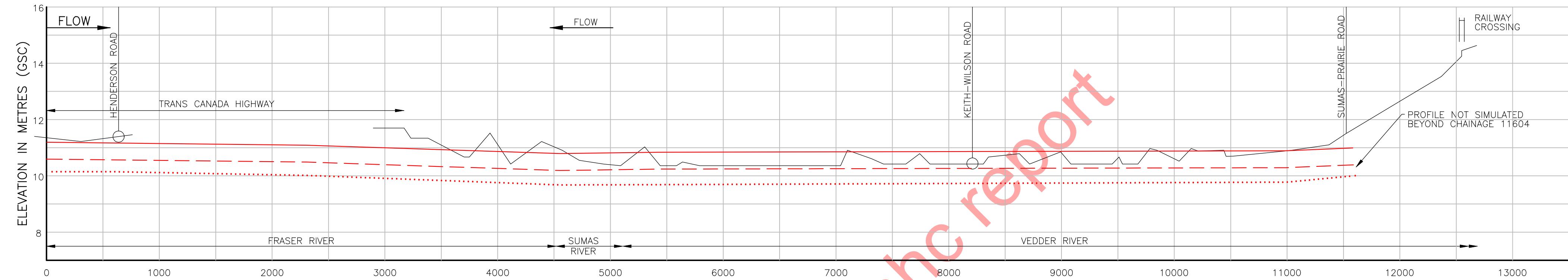
NOTES:
 1) UMA (2001) WATER SURFACE PROFILES AND DIKE CREST INFORMATION EXTRACTED FROM UMA 2001 REPORT DRAWINGS.
 2) CHAINAGES ARE DIKE CHAINAGES AS SHOWN IN THE SOURCE DRAWINGS AND OBTAINED FROM UMA/MOE.
 3) FLOWS USED FOR THE FRESHET DESIGN FLOOD ARE:
 17,000 m³/s AT HOPE
 18,900 m³/s AT MISSION
 19,650 m³/s AT NEW WESTMINSTER
 (REVIEW RECOMMENDED)

SCALE
 HORIZONTAL - 1 : 25,000
 VERTICAL - 1 : 100

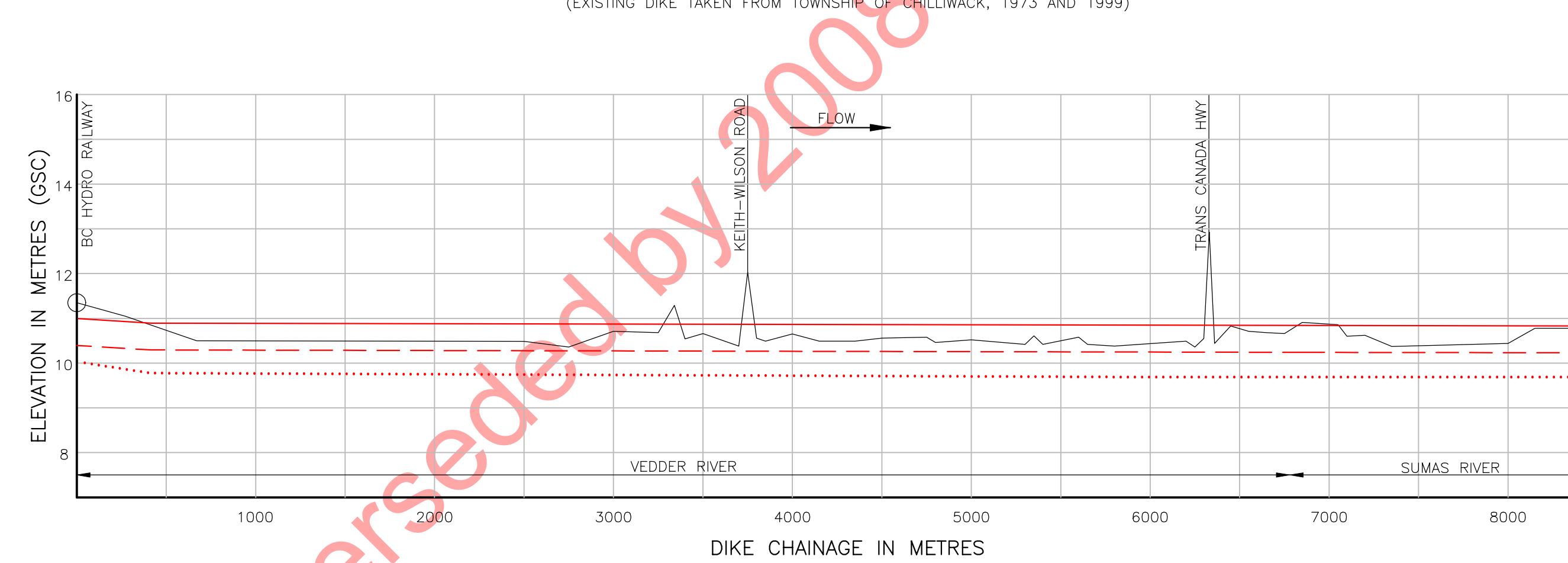
LEGEND

- EXISTING DIKE CREST
- UMA (2001) DESIGN FLOOD WATER SURFACE
- UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED DIKE CREST

nhc northwest hydraulic consultants				SHEET SIZE
Fraser Basin Council Lower Fraser River Hydraulic Model				D
Profile Comparison				SCALE AS NOTED
Dike Crest and Flood Profile Comparison				District of Kent to District of Mission
DATE				1 Nov 06
DRAWING NUMBER				34325-13
SHT.No.				REV. 2/3 0
NO.	DATE	REVISION	DR. CHK. APPR.	nhc-var:\4325-641



VEDDER - RIGHT BANK
(EXISTING DIKE TAKEN FROM TOWNSHIP OF CHILLIWACK, 1973 AND 1999)



VEDDER - LEFT BANK
(EXISTING DIKE TAKEN FROM CITY OF ABBOTSFORD, 1999)

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SCALE
HORIZONTAL - 1 : 25,000
VERTICAL - 1 : 100

LEGEND

- EXISTING DIKE CREST
- UMA (2001) DESIGN FLOOD WATER SURFACE
- - - UPDATED DESIGN FLOOD WATER SURFACE
- UPDATED DIKE CREST

NO. DATE REVISION DR. CHK. APPR.

nhc northwest hydraulic consultants				SHEET SIZE
Fraser Basin Council				D
Lower Fraser River Hydraulic Model				SCALE AS NOTED
Profile Comparison				District of Kent to District of Mission
Dike Crest versus Flood Profile Comparison				DATE 1 Nov 06
DRAWING NUMBER				34325-14
SHT.No.				3/3
REV.				0