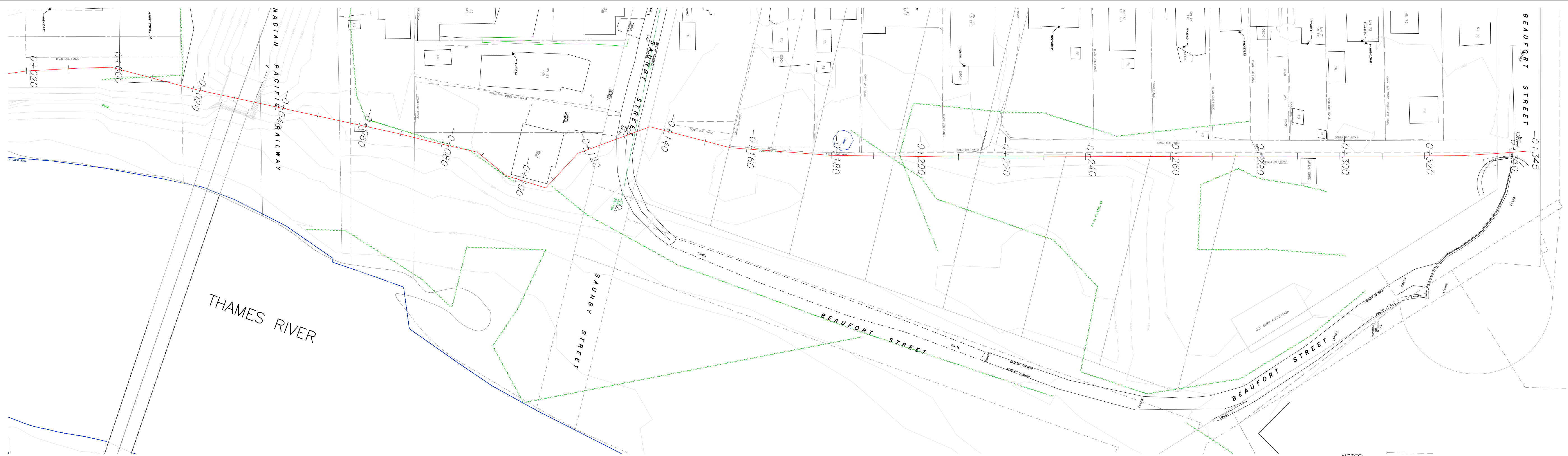




Appendix 4.1

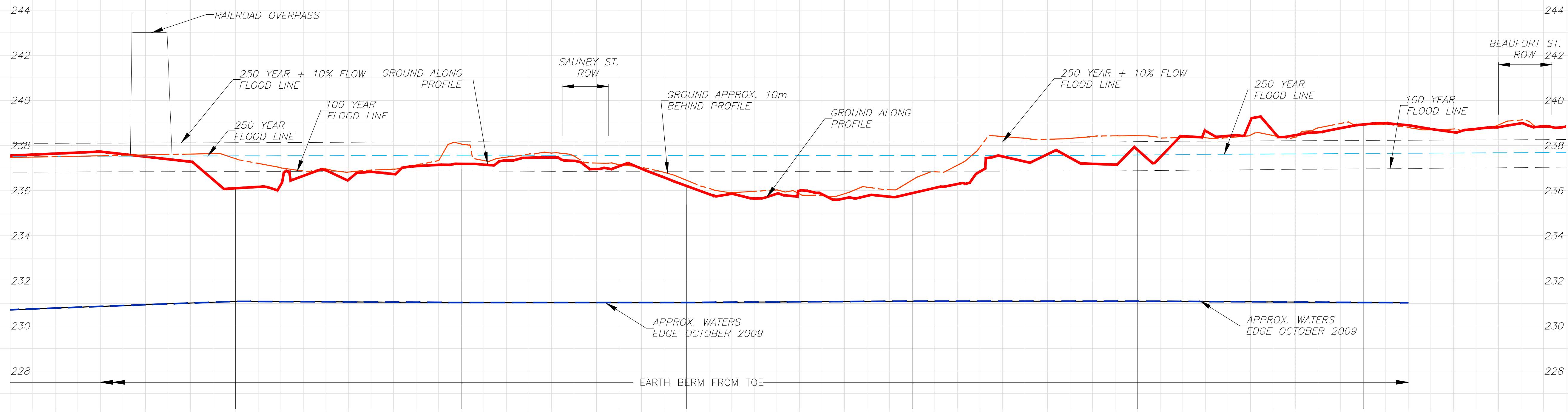
West London Dyke Plan
and Profile Drawings





NORTH OXFORD AREA

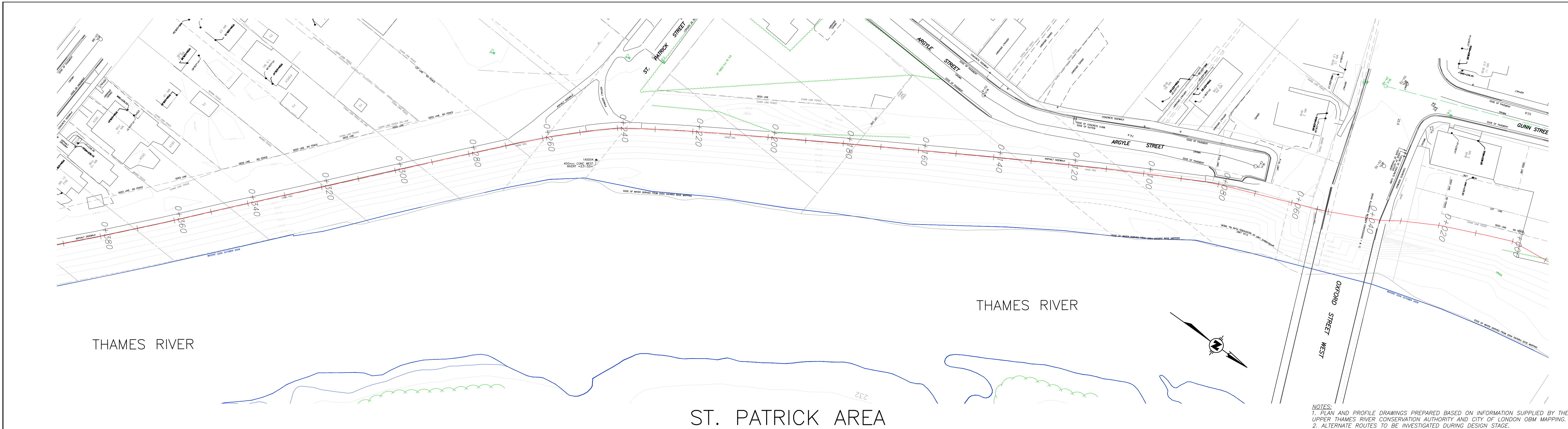
NOTES:
 1. PLAN AND PROFILE DRAWINGS PREPARED BASED ON INFORMATION SUPPLIED BY THE UPPER THAMES RIVER CONSERVATION AUTHORITY AND CITY OF LONDON OBM MAPPING.
 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



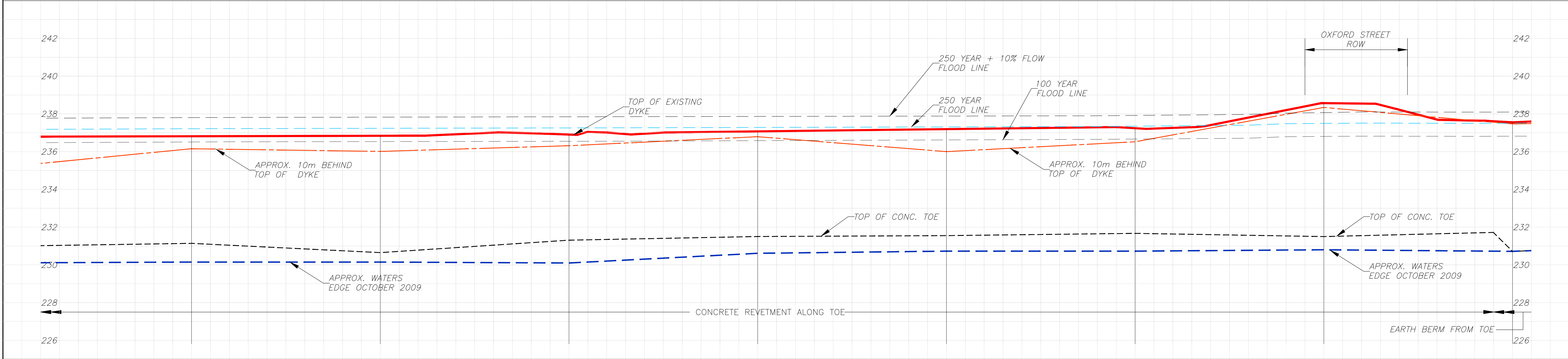
STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+340
TOP OF DYKE	231.72		231.09	231.04	231.04	231.07	231.05	231.05	231.10	231.13	231.01	231.01	231.01	231.01	231.01	231.01	231.01
APPROX. TOP OF DYKE	237.47		237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41	237.41
TOP OF EXISTING DYKE	237.6		237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53	237.53

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EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT																	
					DESIGN S.D. DRAWN BY D.S. CHECKED C.C. APPROVED N.G. DATE SEPT. 2, 2015																					

Job No. DWG No. JOB NAME



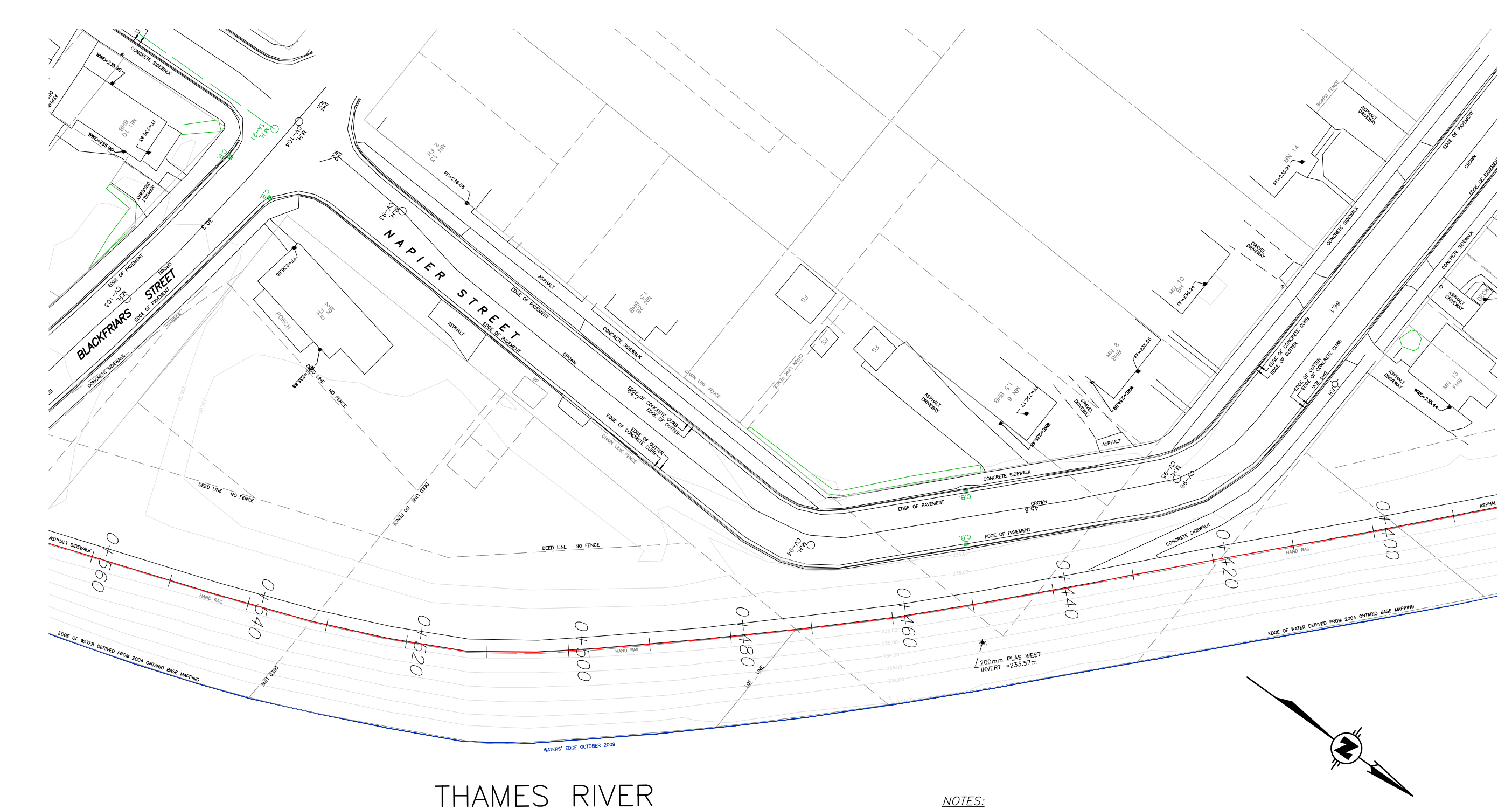
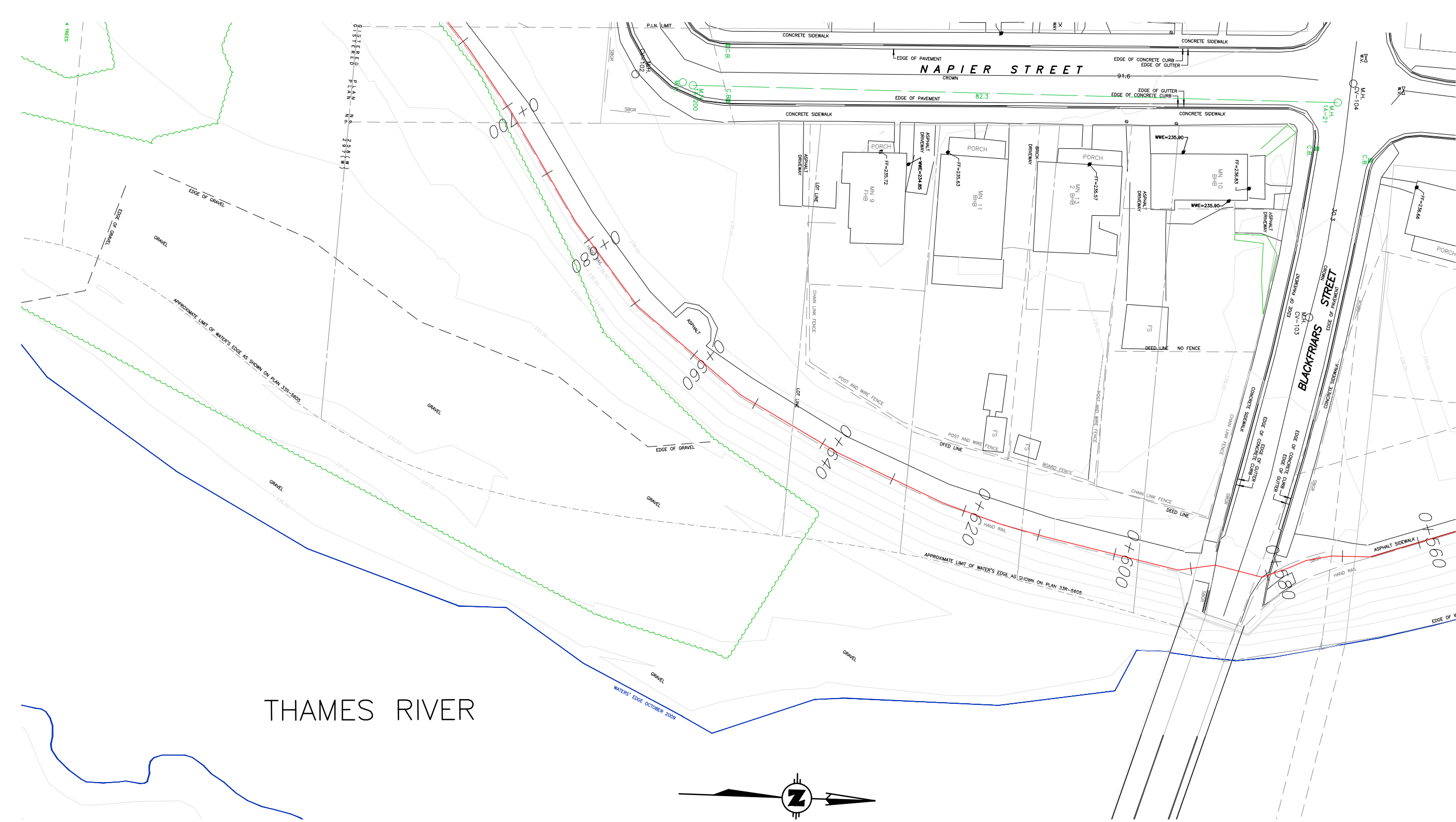
NOTES:
 1. PLAN AND PROFILE DRAWINGS PREPARED BASED ON INFORMATION SUPPLIED BY THE UPPER THAMES RIVER CONSERVATION AUTHORITY AND CITY OF LONDON OBM MAPPING.
 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



TOP OF EXISTING DYKE	236.8	236.8	236.9	237.1	237.2	237.2	237.6	237.6
100 YEAR FLOOD LINE	237.22	237.26	237.26	237.33	237.40	237.48	237.51	237.50
APPROX. 10m BEHIND TOP OF DYKE	236.00	236.01	236.36	236.79	236.00	236.52	236.34	237.47
TOP OF CONC. TOE	231.14	231.28	231.51	231.55	231.67	231.72	231.72	231.72
APPROX. WATERS EDGE OCTOBER 2009	231.80	231.80	231.80	231.80	231.80	231.80	231.80	231.80

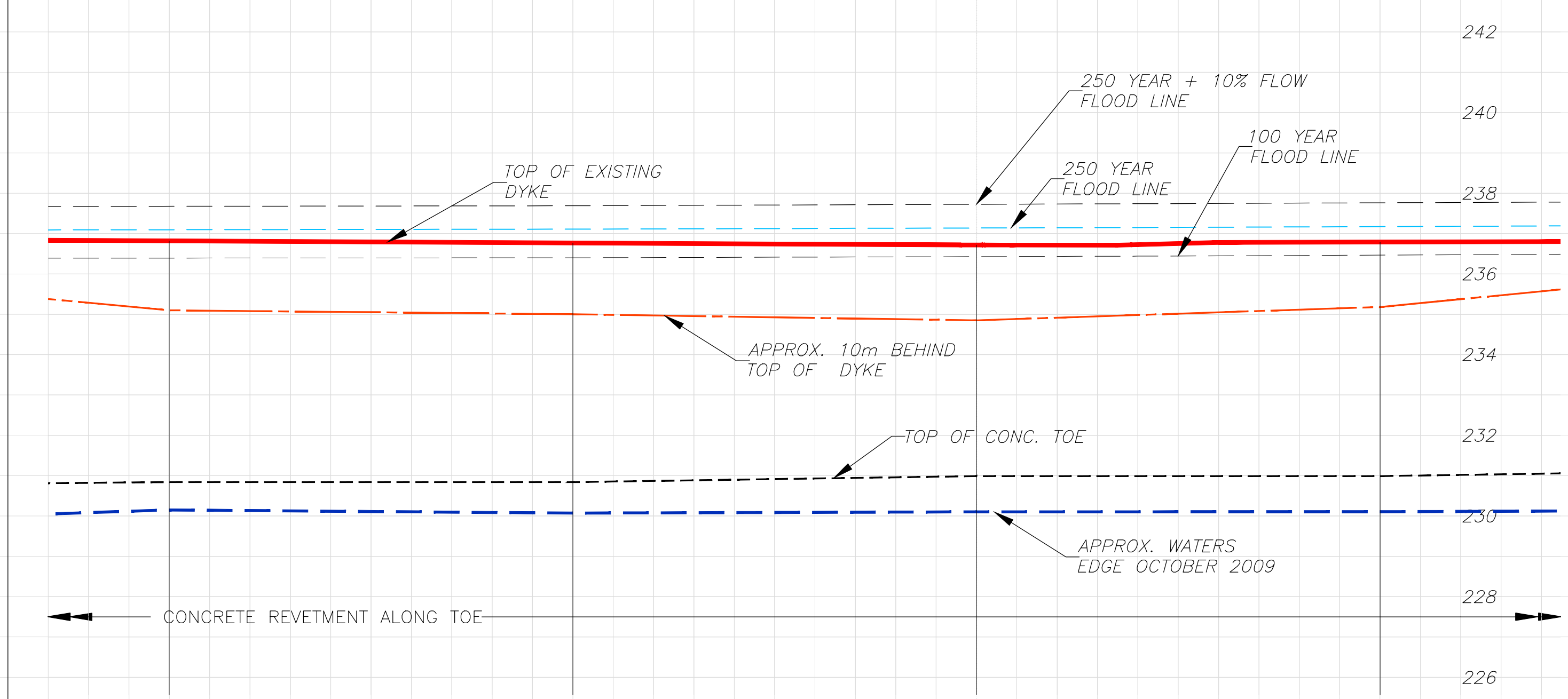
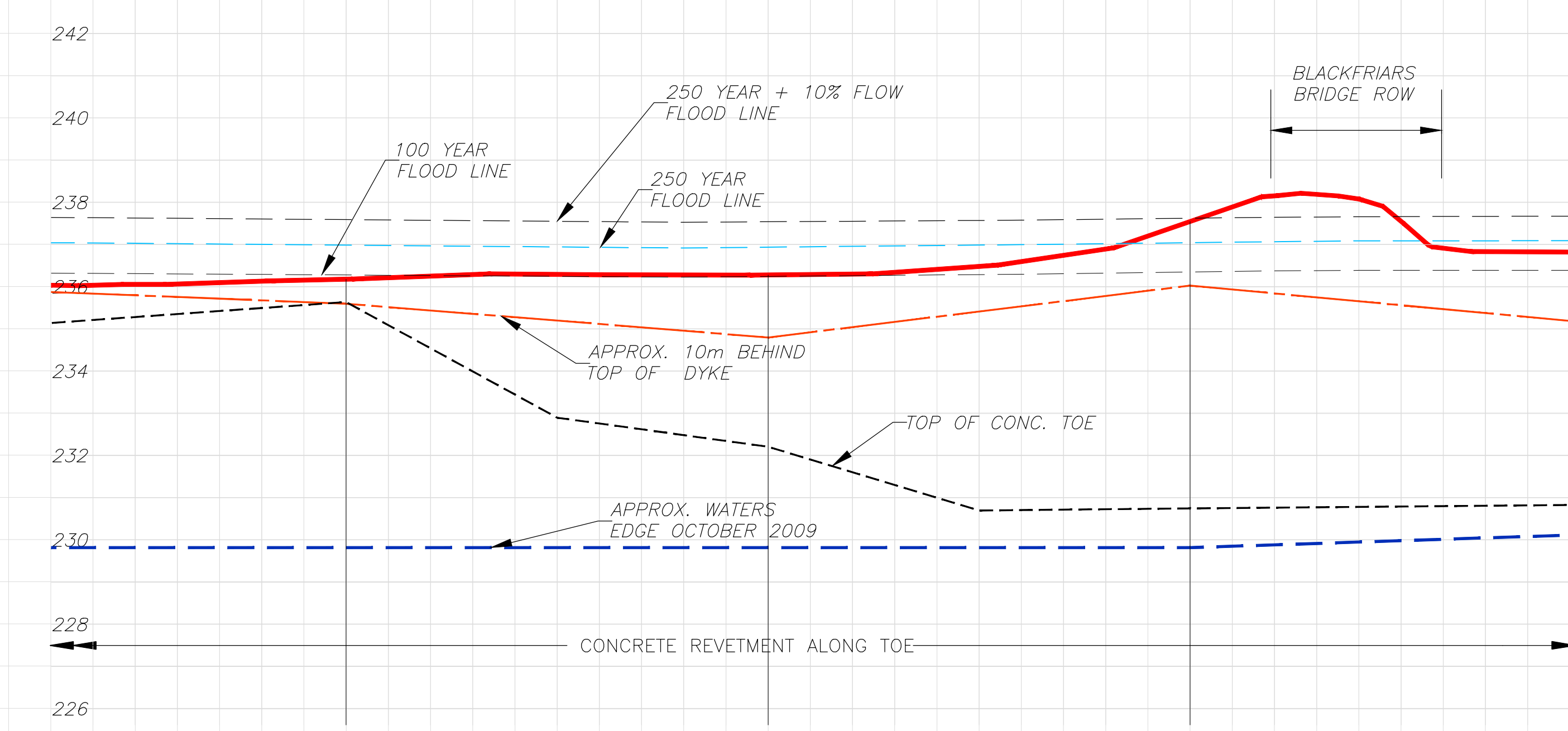
STATION	EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.		
0+180						DESIGN S.J.					<p>Stantec Consulting Ltd. 171 Queens Avenue London ON Canada N6A 5J7 Tel. 519.645.2007 Fax. 519.645.6575 www.stantec.com</p>	<p>CORPORATION OF THE CITY OF LONDON</p>	SCALE HORZ 1:500	WEST LONDON DYKE UPPER THAMES RIVER CONSERVATION AUTHORITY ST. PATRICK AREA STATION 0+000 TO 0+380	165630035		
0+160					DRAWN BY D.B.												
0+140					CHECKED C.G.												
0+120					APPROVED N.G.												
0+100					DATE SEPT. 2, 2015												

Job No. DWG No. JOB NAME



NOTES:
 1. PLAN AND PROFILE DRAWINGS PREPARED BASED ON INFORMATION SUPPLIED BY THE UPPER THAMES RIVER CONSERVATION AUTHORITY AND CITY OF LONDON OBM MAPPING.
 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.

BLACKFRIARS AREA



STATION	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720
TOP OF EXISTING DYKE	236.8	236.8	236.7	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8
APPROX. 10m BEHIND FLOOD LINE	237.09	237.09	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15
APPROX. 10m BEHIND TOP OF DYKE	237.07	237.07	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15
TOP OF DYKE	237.00	237.00	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15	237.15
APPROX. WATERS EDGE OCTOBER 2009	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60	235.60
TOP OF CONC. TOE	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64	235.64

Job No. DWG No. JOB NAME

EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN S.J.				
					DRAWN BY D.B.				
					CHECKED C.C.				
					APPROVED N.G.				
					DATE SEPT. 2, 2015				
						165630035			

CONSULTANT OR DIVISION

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 N6A 5J7
 Tel. 519.645.2007
 Fax. 519.645.6575
 www.stantec.com

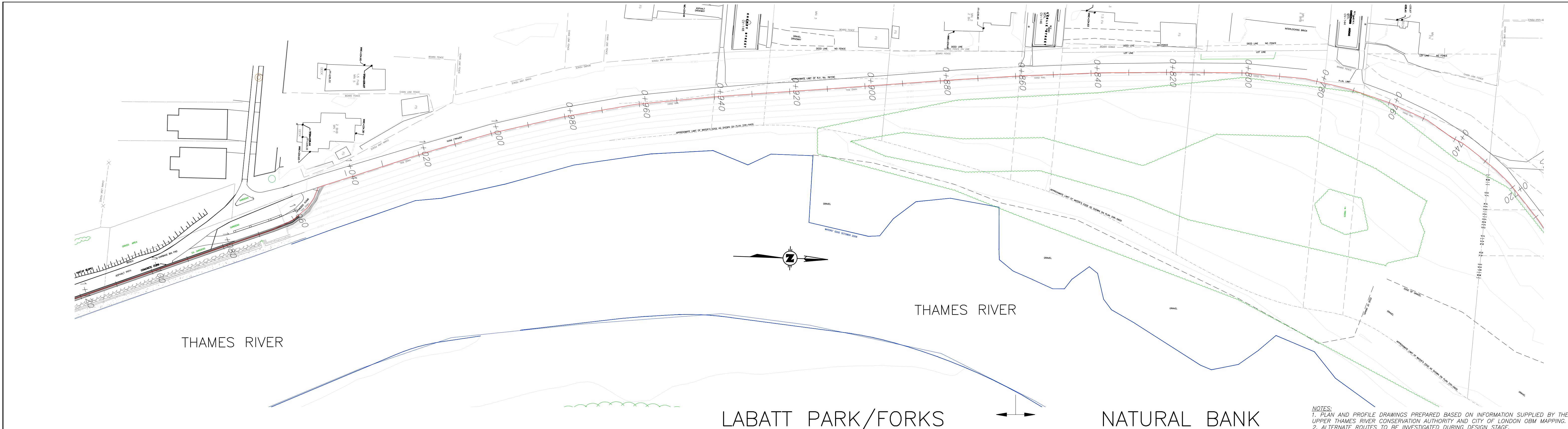
ENGINEER'S STAMP

CORPORATION OF THE
 CITY OF LONDON

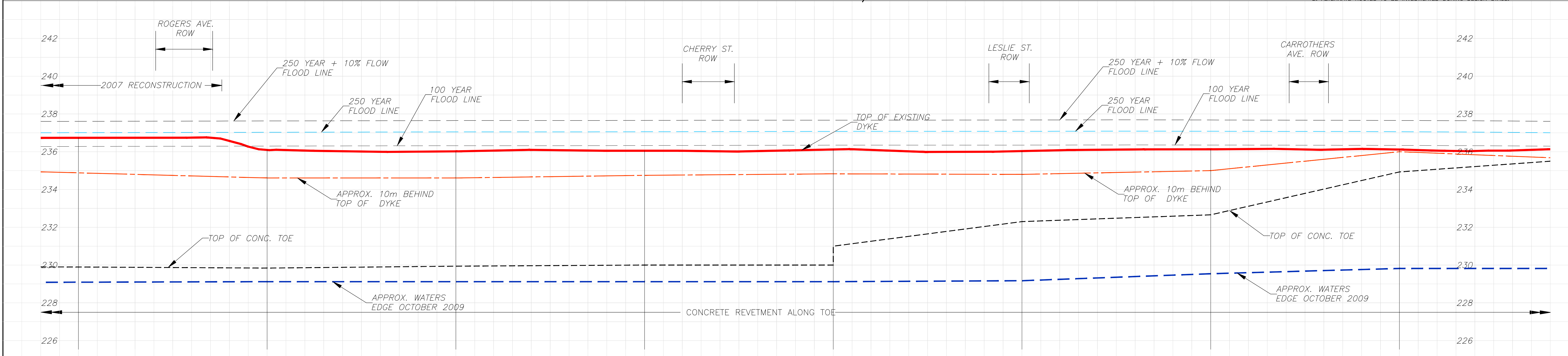
SCALE
 HORZ 1:500
 VERT 1:50

TITLE
 WEST LONDON DYKE
 UPPER THAMES RIVER CONSERVATION AUTHORITY
 BLACKFRIARS AREA
 STA 0+380 TO 0+720

PROJECT No.
 SHEET No.
 3
 PLAN FILE No.



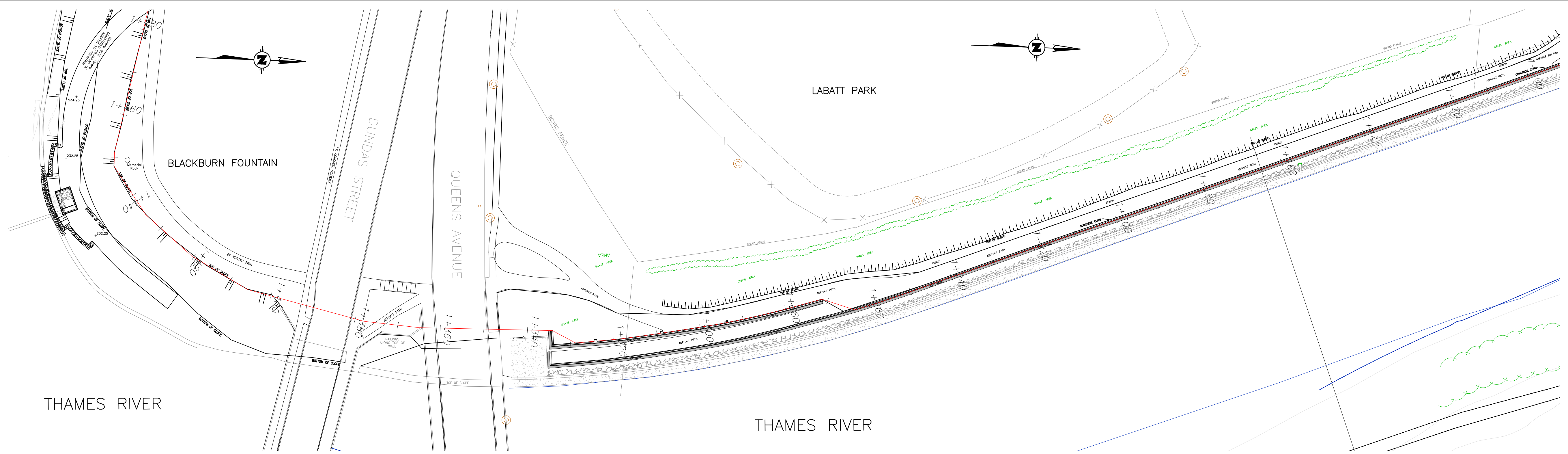
NOTES:
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 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



STATION	TOP OF DYKE	APPROX. 10m BEHIND TOP OF DYKE	APPROX. WATERS EDGE OCTOBER 2009
1+100	236.7	234.95	229.88
1+080			
1+060			
1+040	236.1	234.61	229.84
1+020			
1+000	236.0	234.60	229.94
0+980			
0+960	236.1	234.75	229.99
0+940			
0+920	237.07	237.05	231.00
0+900	236.1	237.08	231.83
0+880			
0+860	236.0	237.09	232.30
0+840			
0+820	236.0	237.09	232.80
0+800	236.1	237.09	232.66
0+780			
0+760	236.1	237.07	232.66
0+740			
0+720	236.1	237.04	232.66

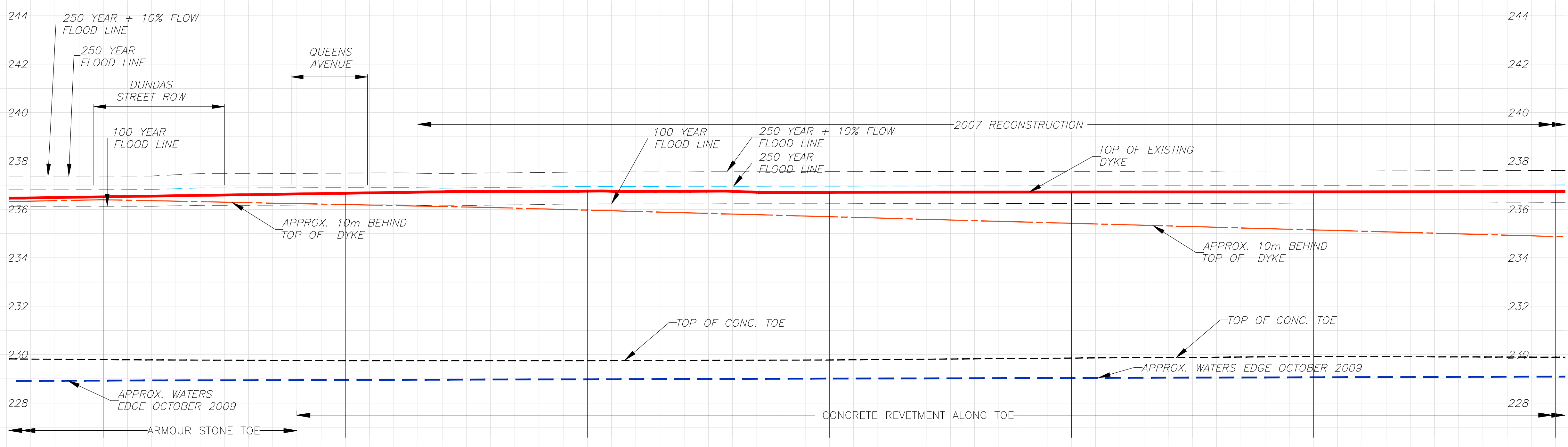
EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
					DESIGN S.J. DRAWN BY D.B. CHECKED C.C. APPROVED N.G. DATE SEPT. 2, 2015					Stantec Consulting Ltd. 171 Queens Avenue London ON Canada N6A 5J7 Tel. 519.645.2007 Fax. 519.645.6575 www.stantec.com		HORZ 1:500 VERT 1:50	WEST LONDON DYKE UPPER THAMES RIVER CONSERVATION AUTHORITY LABATT PARK/FORKS & NATURAL BANK AREA STA 0+720 TO 1+100	SHEET No. 4 PLAN FILE No.

Job No. DWG No. JOB NAME



LABATT PARK/FORKS

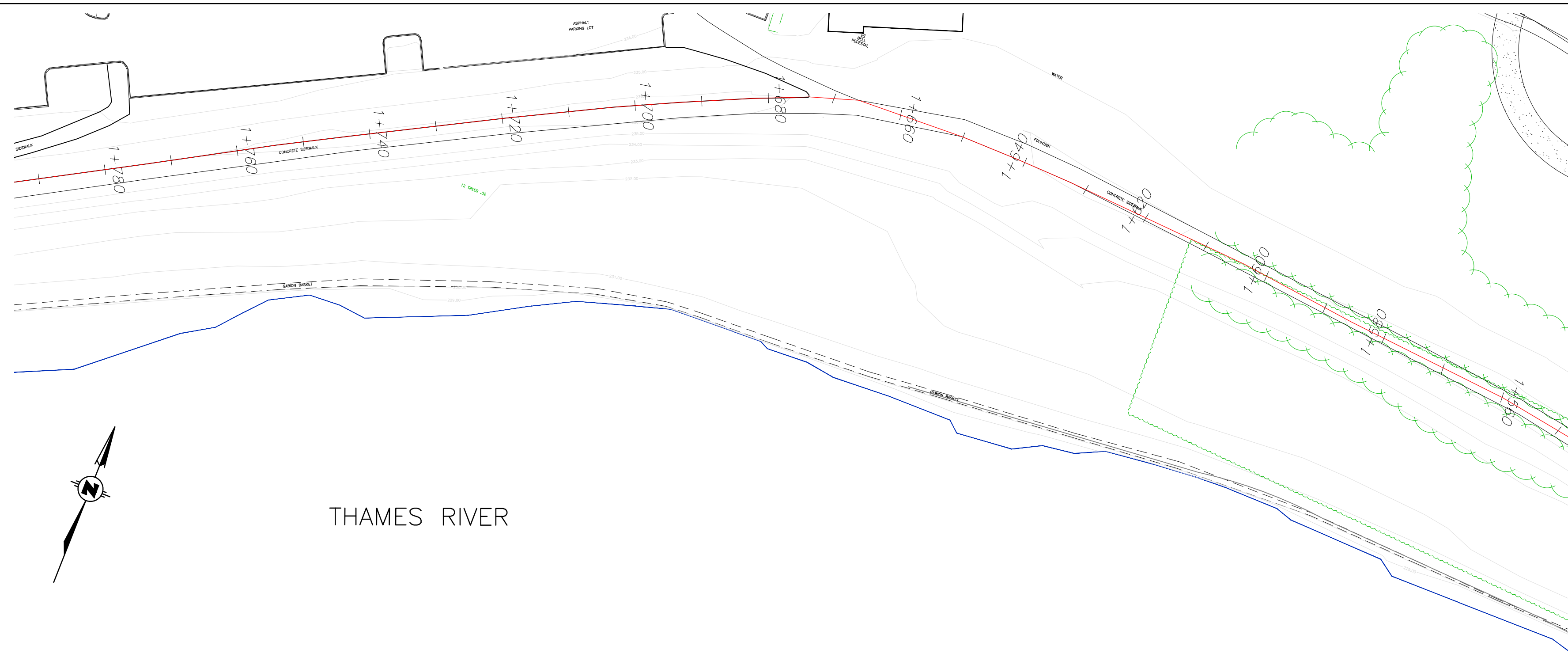
NOTES:
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 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



TOP OF EXISTING DYKE	236.5	236.7	236.8	236.7	236.7	236.7	236.7	236.7	236.7
APPROX. 10m BEHIND FLOOD LINE	236.81	236.82	236.89	236.89	236.91	236.88	236.95	236.95	236.95
APPROX. 10m BEHIND TOP OF DYKE	236.40	236.40	236.40	236.40	236.40	236.40	236.40	236.40	236.40
TOP OF CONC. TOE	229.21	229.21	229.21	229.21	229.21	229.21	229.21	229.21	229.21
STATION	1+420	1+400	1+380	1+360	1+340	1+320	1+300	1+280	1+260

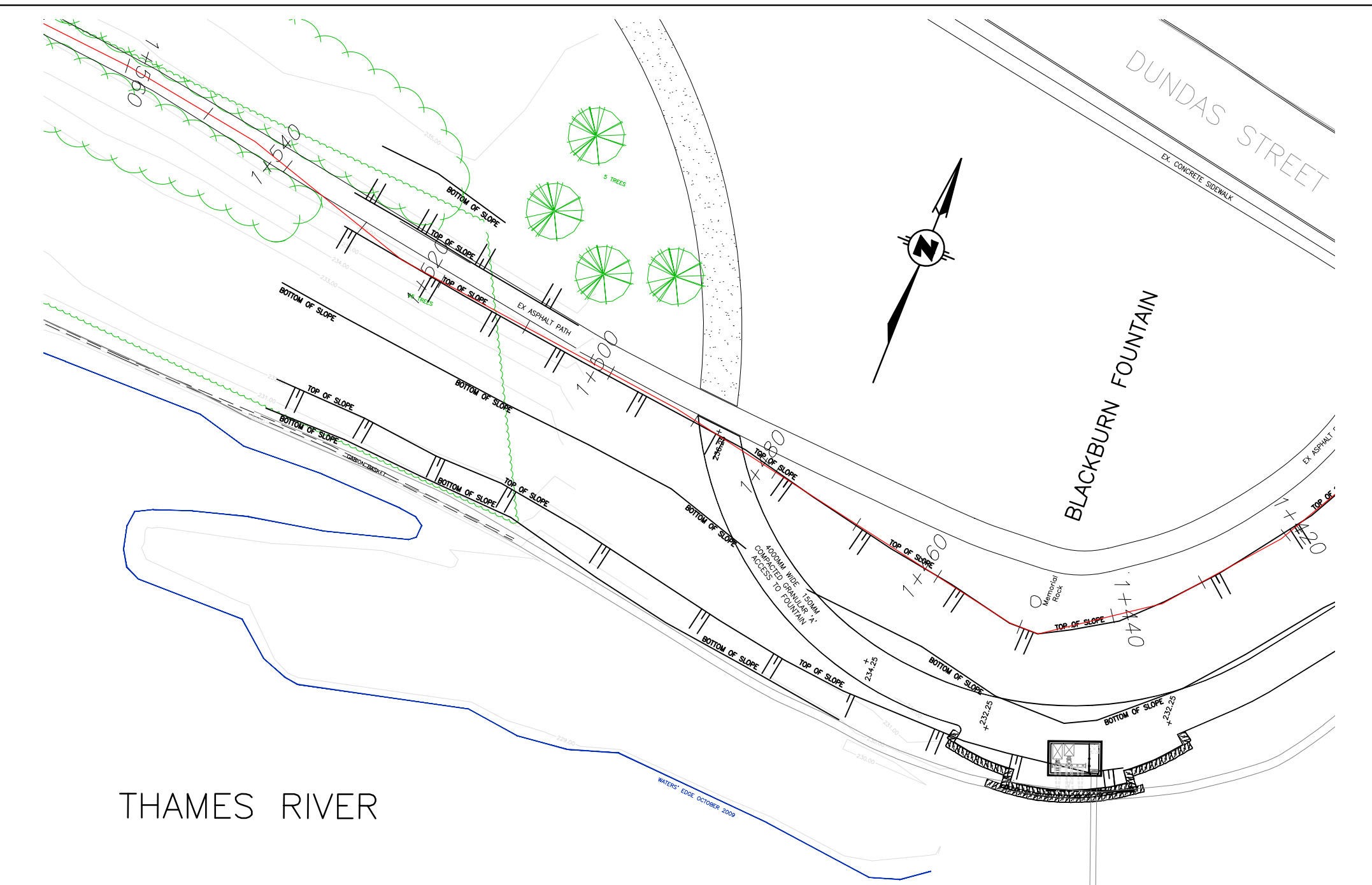
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EXISTING SERVICES	DRAWING #.	SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT																												
						DESIGN S.J. DRAWN BY D.B. CHECKED C.C. APPROVED N.G. DATE SEPT. 2, 2015																																
						165630035																																

Job No. DWG No. JOB NAME



THAMES RIVER

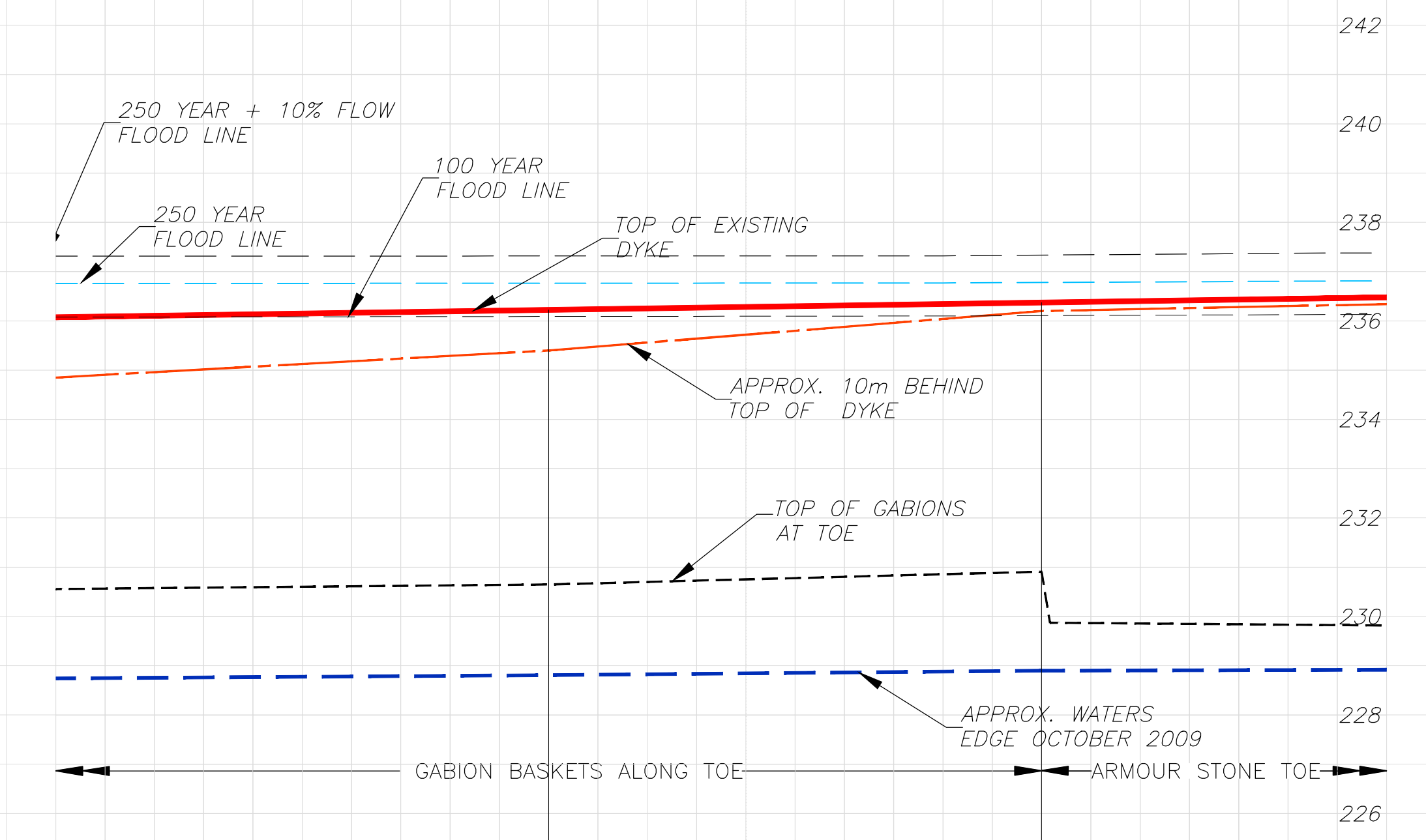
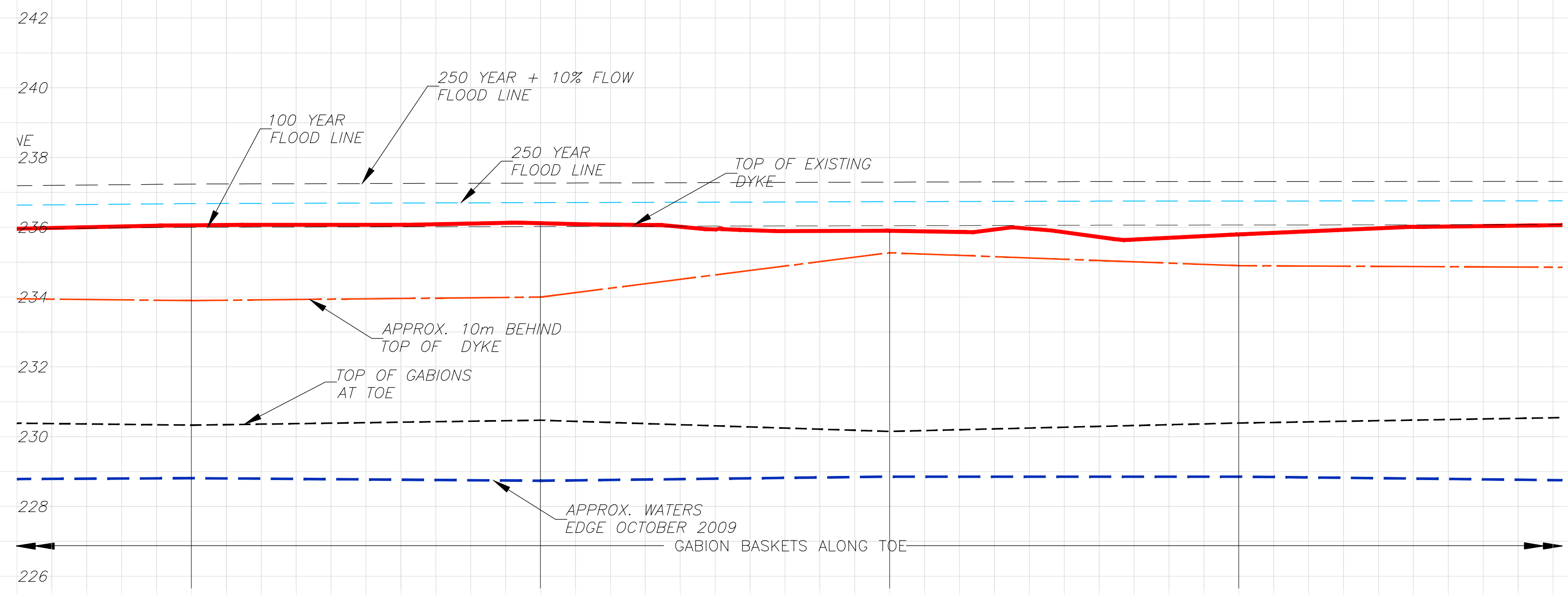
WHARNCLIFFE



THAMES RIVER

LABATT PARK/FORKS

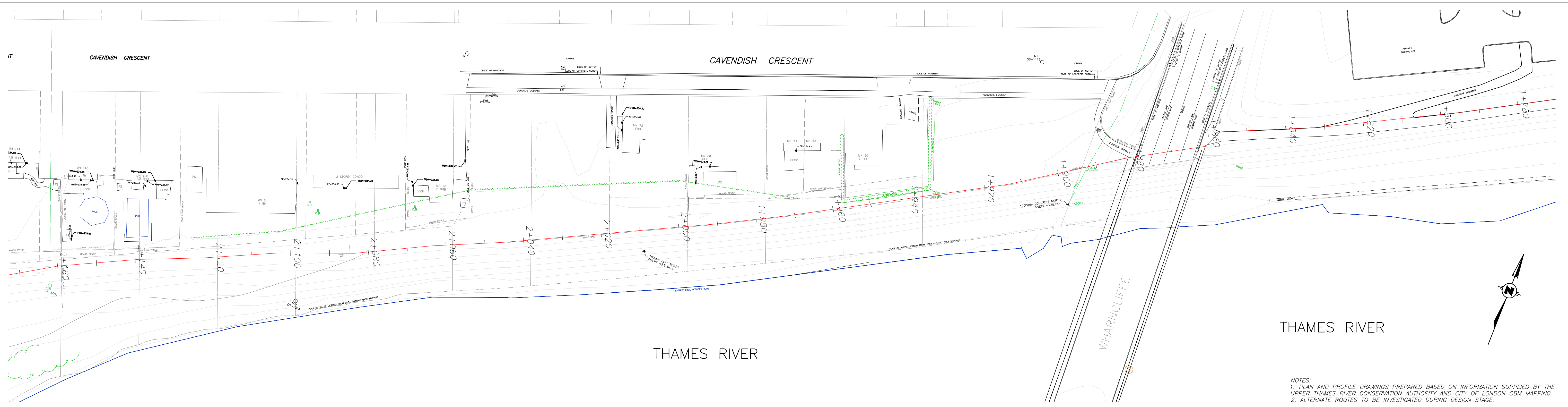
NOTES:
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 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



STATION	1+780	1+780	1+740	1+720	1+700	1+680	1+660	1+640	1+620	1+600	1+580	1+560	1+540	1+520	1+500	1+480	1+460	1+440	1+420
TOP OF EXISTING DYKE			236.1		236.1		235.9		235.8				236.1		236.2		236.4		
APPROX. 10m BEHIND TOP OF DYKE		236.68			234.00				236.75								236.77		236.81
TOP OF GABIONS AT TOE																			
APPROX. WATERS EDGE OCTOBER 2009		230.33	233.90	233.90	234.00		230.15	235.30		230.39	234.90		230.54	234.85	236.40		230.91	236.20	

EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE HORZ 1:500 VERT 1:50	TITLE WEST LONDON DYKE UPPER THAMES RIVER CONSERVATION AUTHORITY WHARNCLIFFE & LABATT PARK/ FORKS AREA STA 1+420 TO 1+780	PROJECT No. SHEET No. 6 PLAN FILE No.
					DESIGN S.D. DRAWN BY D.B. CHECKED C.C. APPROVED N.G. DATE SEPT. 2, 2015					Stantec Consulting Ltd. 171 Queens Avenue London ON Canada N6A 5J7 Tel. 519.645.2007 Fax. 519.645.6575 www.stantec.com				

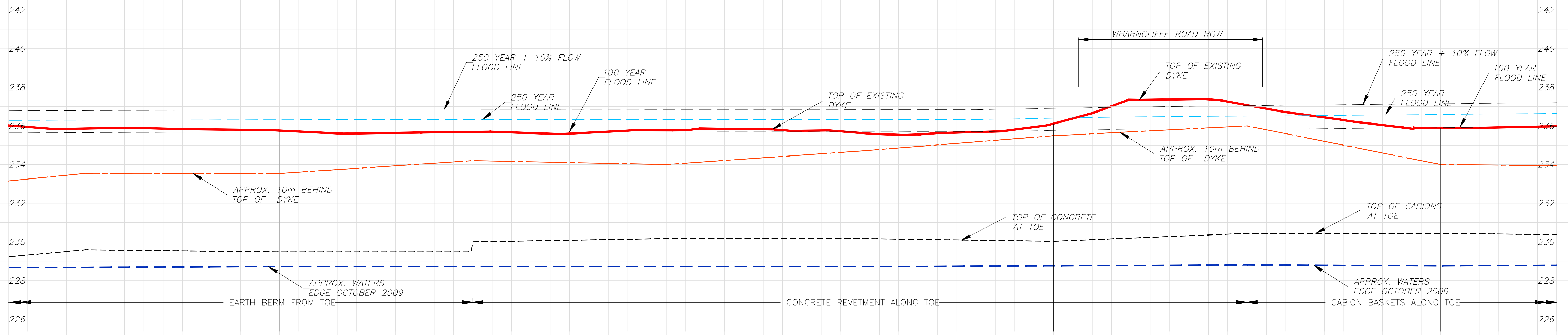
Job No. DWG No. JOB NAME



NOTES:
 1. PLAN AND PROFILE DRAWINGS PREPARED BASED ON INFORMATION SUPPLIED BY THE UPPER THAMES RIVER CONSERVATION AUTHORITY AND CITY OF LONDON OBM MAPPING.
 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.

CAVENDISH EAST

WHARNCLIFFE



STATION	2+160	2+170	2+180	2+190	2+200	2+210	2+220	2+230	2+240	2+250	2+260	2+270	2+280	2+290	2+300	1+980	1+990	1+995	1+998	1+999	1+800	1+810	1+820	1+830	1+840	1+850	1+860	1+870	1+780	
TOP OF EXISTING DYKE	235.9																													
APPROX. 10m BEHIND TOP OF DYKE	233.55																													
TOP OF CONCRETE AT TOE	229.59																													
APPROX. WATERS EDGE OCTOBER 2009																														
TOP OF GABIONS AT TOE																														
APPROX. WATERS EDGE OCTOBER 2009																														
CONCRETE REVTMENT ALONG TOE																														
GABION BASKETS ALONG TOE																														

Job No. DWG No. JOB NAME

EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN S.J.				
					DRAWN BY D.B.				
					CHECKED C.G.				
					APPROVED N.G.				
					DATE SEPT. 2, 2015				
						165630035			

CONSULTANT OR DIVISION

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 171 Queens Avenue
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 www.stantec.com

ENGINEER'S STAMP

CORPORATION OF THE CITY OF LONDON

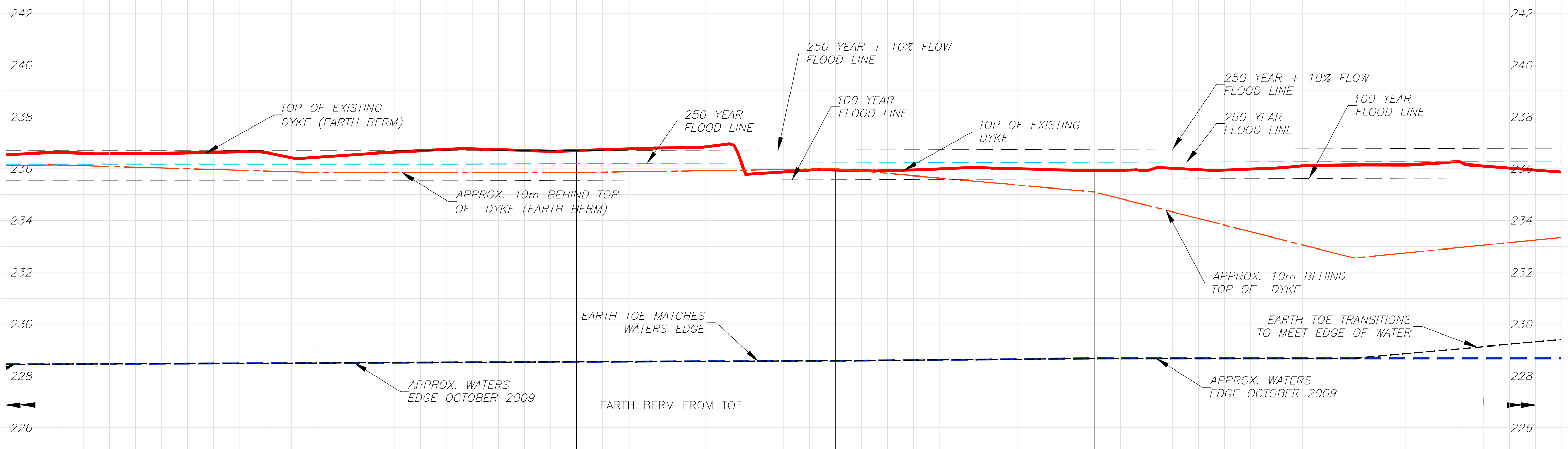
SCALE
 HORZ 1:500
 VERT 1:50

TITLE
 WEST LONDON DYKE
 UPPER THAMES RIVER CONSERVATION AUTHORITY
 CAVENDISH EAST & WHARNCLIFFE AREA
 STA 1+780 TO 2+160

PROJECT No.
 SHEET No.
 7
 PLAN FILE No.



NOTES:
 1. PLAN AND PROFILE DRAWINGS PREPARED BASED ON INFORMATION SUPPLIED BY THE UPPER THAMES RIVER CONSERVATION AUTHORITY AND CITY OF LONDON OBM MAPPING.
 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



TOP OF EXISTING DYKE	236.6	236.4	236.7	235.9	235.9	236.1
APPROX. 10m BEHIND TOP OF DYKE	236.20	236.80	236.18	236.21	235.10	235.50
TOP OF DYKE	228.48	228.50	228.52	228.59	228.66	228.63
STATION	2+460	2+440	2+420	2+400	2+380	2+360

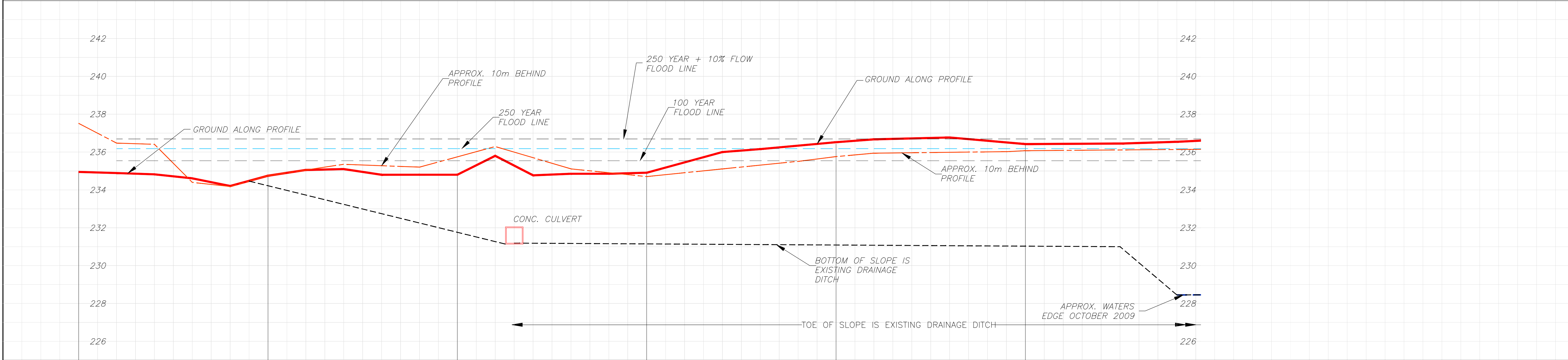
EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE HORZ 1:500 VERT 1:50	TITLE WEST LONDON DYKE UPPER THAMES RIVER CONSERVATION AUTHORITY CAVENDISH EAST & CAVENDISH WEST AREA STA 2+160 TO 2+460	PROJECT No. SHEET No. 8 PLAN FILE No.
					DESIGN S.J. DRAWN BY D.B. CHECKED C.G. APPROVED N.G. DATE SEPT. 2, 2015					Stantec Consulting Ltd. 171 Queens Avenue London ON Canada N6A 5J7 Tel. 519.645.2007 Fax. 519.645.6575 www.stantec.com	 			

Job No. DWG No. JOB NAME



CAVENDISH WEST

NOTES:
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 2. ALTERNATE ROUTES TO BE INVESTIGATED DURING DESIGN STAGE.



TOP OF EXISTING DYKE	234.95		234.75	234.80	234.95	236.66	236.4
APPROX. 10m BEHIND TOP OF DYKE	237.50	236.18	234.76	235.75	234.85	235.75	236.18
TOP OF DYKE	237.50		234.76	235.75	234.85	235.75	236.18
STATION	2+750	2+740	2+720	2+700	2+680	2+660	2+640

<table border="1"> <tr> <th>EXISTING SERVICES</th> <th>DRAWING #, SOURCE</th> <th>DATE</th> <th>CONSTRUCTED SERVICES</th> <th>COMPLETION</th> <th>DETAILS</th> <th>No.</th> <th>REVISIONS</th> <th>DATE</th> <th>CONSULTANT</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>DESIGN S.J. DRAWN BY D.B. CHECKED C.G. APPROVED N.G. DATE SEPT. 2, 2015</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT						DESIGN S.J. DRAWN BY D.B. CHECKED C.G. APPROVED N.G. DATE SEPT. 2, 2015					<p>165630035</p>	<p>Stantec Consulting Ltd. 171 Queens Avenue London ON Canada N6A 5J7 Tel. 519.645.2007 Fax. 519.645.6575 www.stantec.com</p>	<p>CORPORATION OF THE CITY OF LONDON</p>	<p>SCALE HORIZ 1:500 VERT 1:50</p>	<p>TITLE WEST LONDON DYKE UPPER THAMES RIVER CONSERVATION AUTHORITY CAVENDISH EAST & CAVENDISH WEST AREA STA 2+460 TO 2+750</p>	<p>PROJECT No. SHEET No. 9 PLAN FILE No.</p>
EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT																	
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Job No. DWG No. JOB NAME