

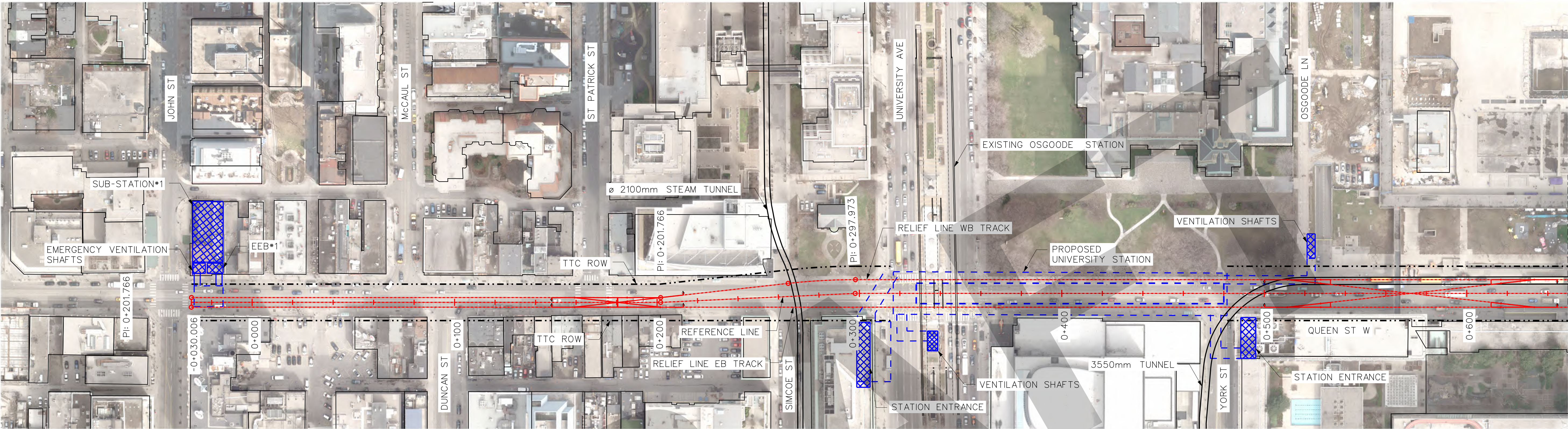
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

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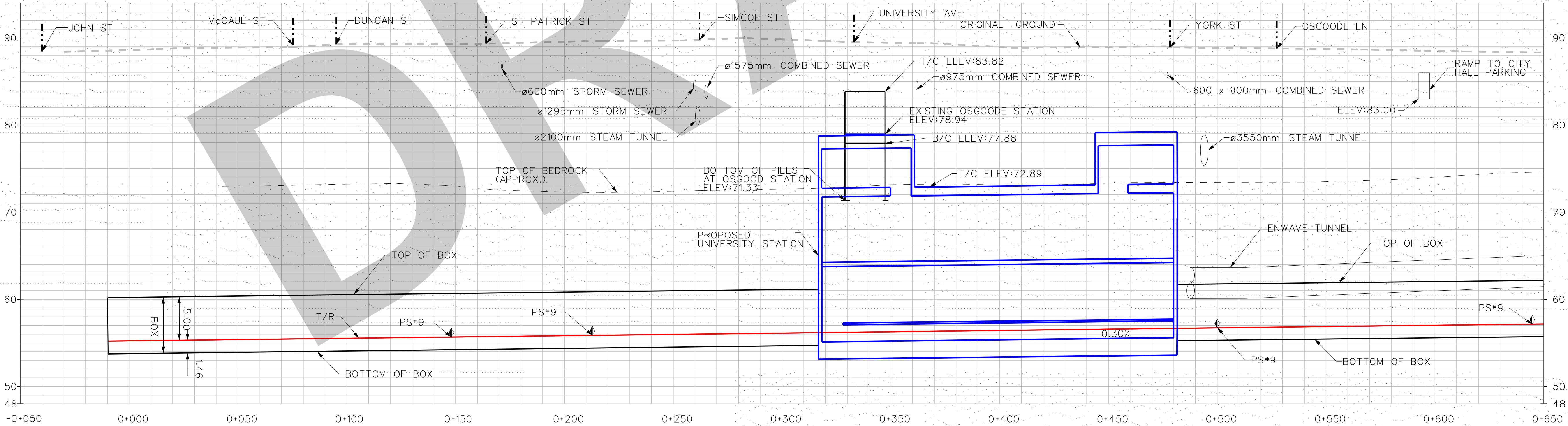
SHEET No.

DRAWING No.



PLAN
QUEEN ST W - STA. 0+000 TO STA. 0+650

1
HDR_5k_pln_ad_50_1



PROFILE
QUEEN ST W - STA. 0+000 TO STA. 0+650

1
HDR_5k_pln_ad_50_1

REVISIONS		REVISIONS	
A	2017/07/26	D	2017/10/17
B	2017/08/02		
C	2017/09/13		

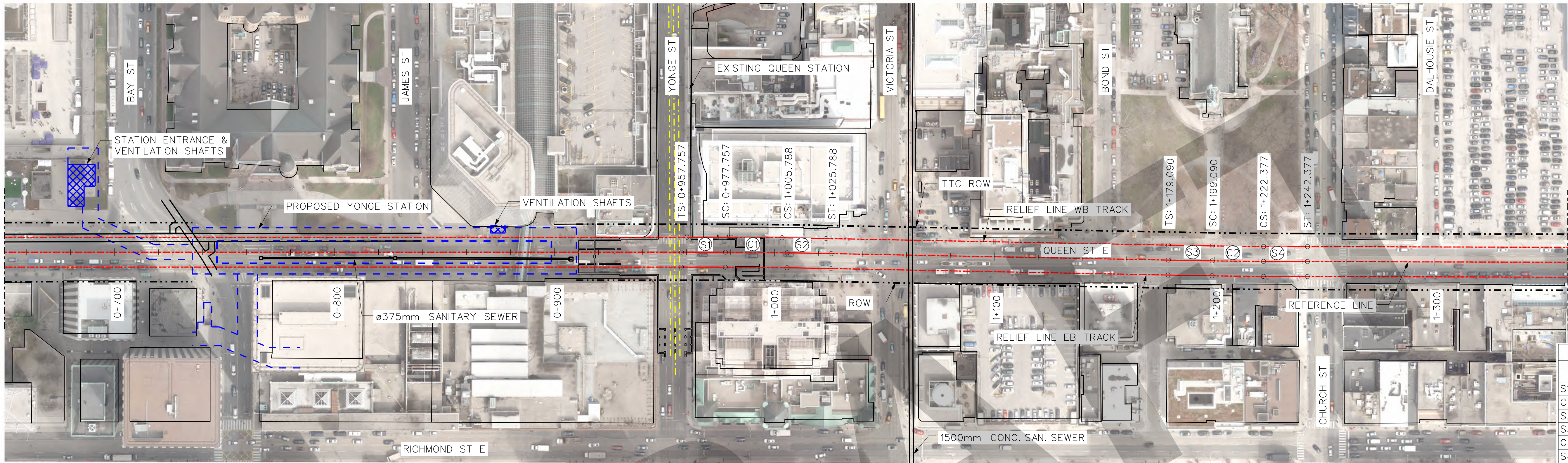
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CHECKED	EVG		2017/10/17
CORRECT	J.S		2018/03/06
SCALE 0 10 20 30 40m			

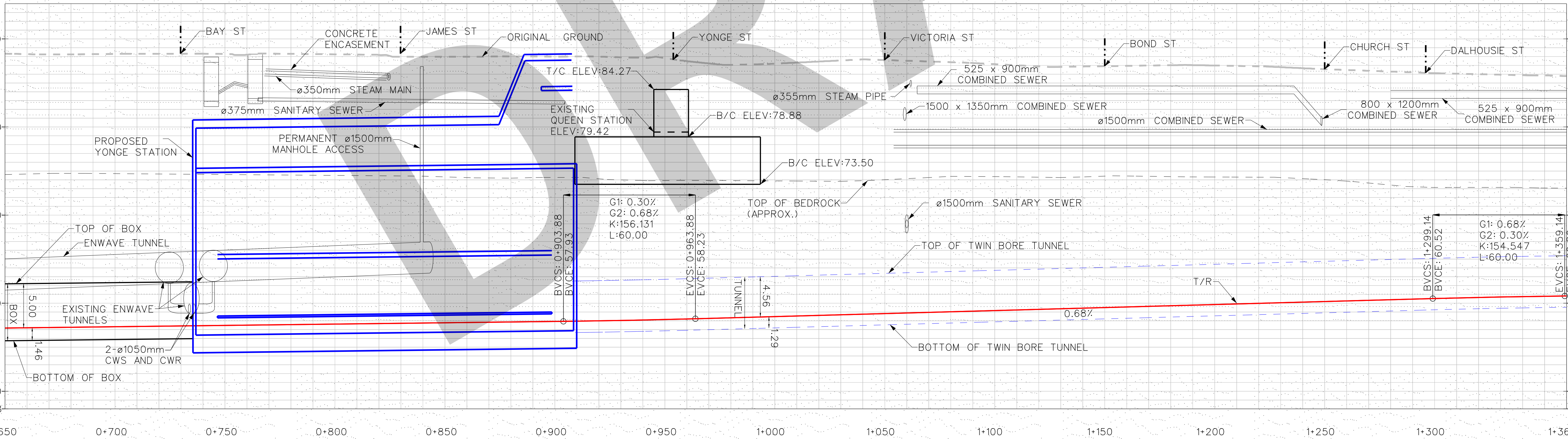
RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 0+000 TO STA. 0+650

Contract:		Package:	
			
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT			
Dwg. No. HDR_5k_pln_ad_50_1		Rev. No.	Sheet No.
Plot Date: 14-MAR-2018			



PLAN
QUEEN ST W - STA. 0+650 TO STA. 1+360

1
HDR_5k_pln_ad_50_2



PROFILE
QUEEN ST W - STA. 0+650 TO STA. 1+360

1
HDR_5k_pln_ad_50_2

HORIZONTAL CURVE DATA					
	Dc	RADIUS (m)	LENGTH (m)	V (kph)	Ea (mm)
S1			20.000	80	
C1	0° 42'	2500.0	28.031	80	20
S2			20.000	80	
S3			20.000	80	
C2	0° 40'	2600.0	23.287	80	20
S4			20.000	80	

REVISIONS		REVISIONS	
△ A	2017/07/26	△ D	2017/10/17
△ B	2017/08/02		
△ C	2017/09/13		

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CHECKED	EVG		2017/10/17
CORRECT	J.S.		2018/03/06
SCALE	0 10 20 30 40m		

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 0+650 TO STA. 1+360

Contract:	Package:
Dwg. No.	Rev. No.
HDR_5k_pln_ad_50_2	
Sheet No.	

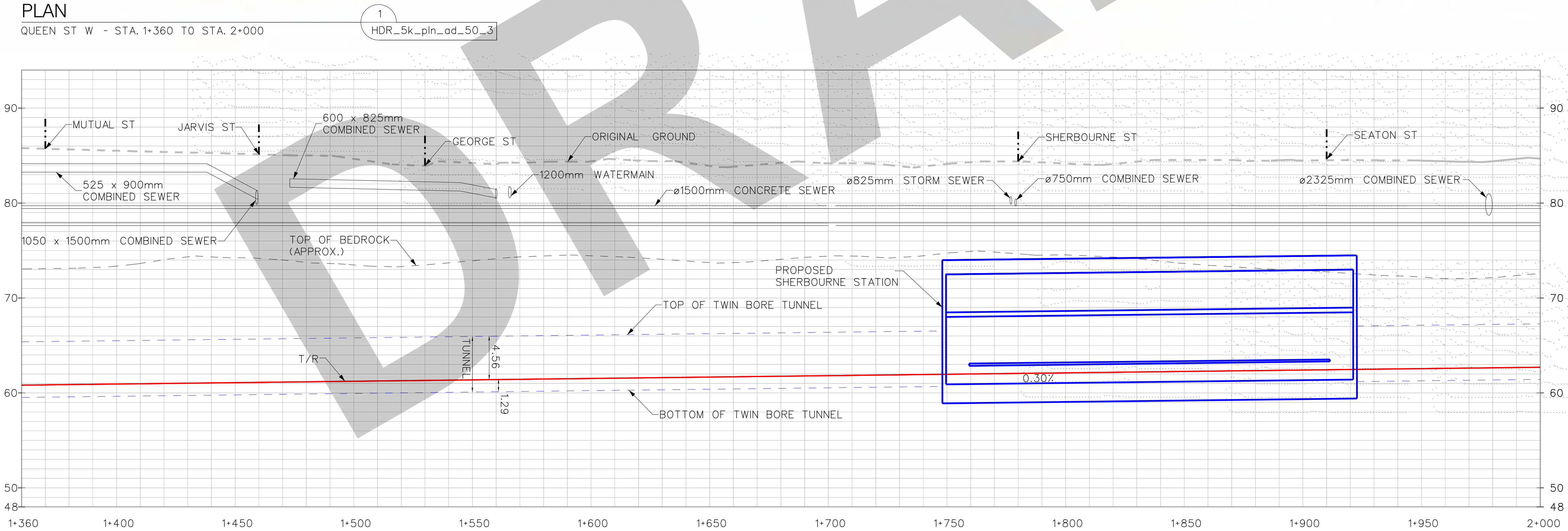
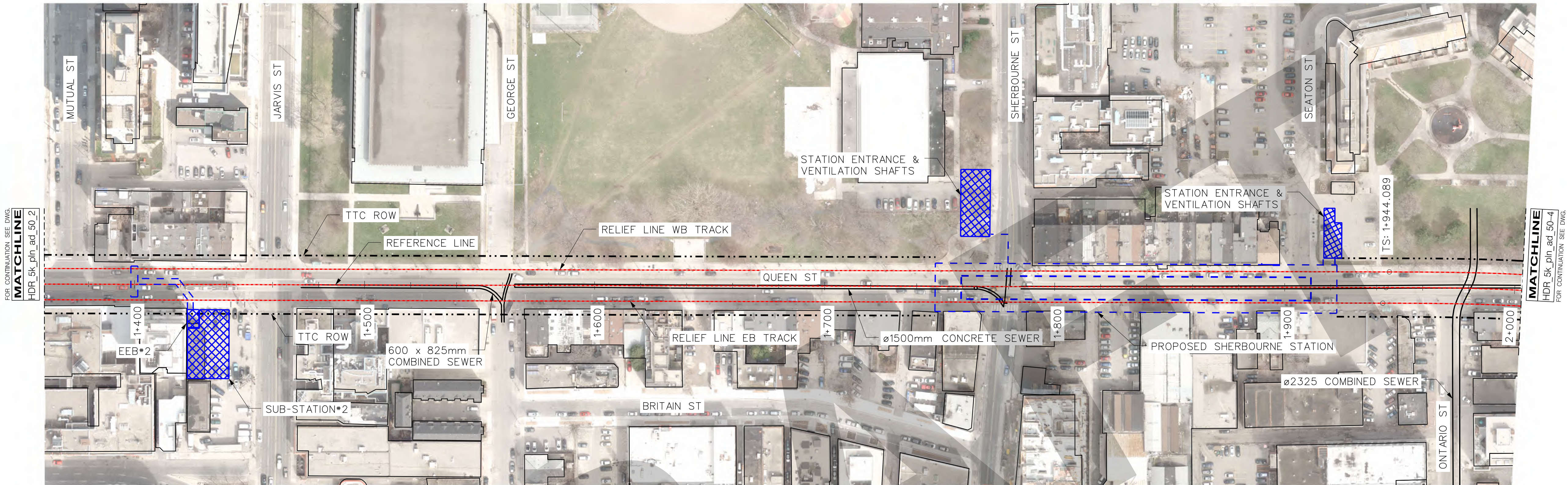
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME:

SHEET No.

DRAWING No.




REVISIONS		REVISIONS	
△ A	2017/07/26	△ D	2017/10/17
△ B	2017/08/02	△	
△ C	2017/09/13	△	

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CHECKED	EVG		2017/10/17
CORRECT	J.S		2018/03/06
SCALE 0 10 20 30 40m			

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 1+360 TO STA. 2+000

Contract:		Package:	
			
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT			
Dwg. No.	Rev. No.	Sheet No.	
HDR_5k_pln_ad_50_3			

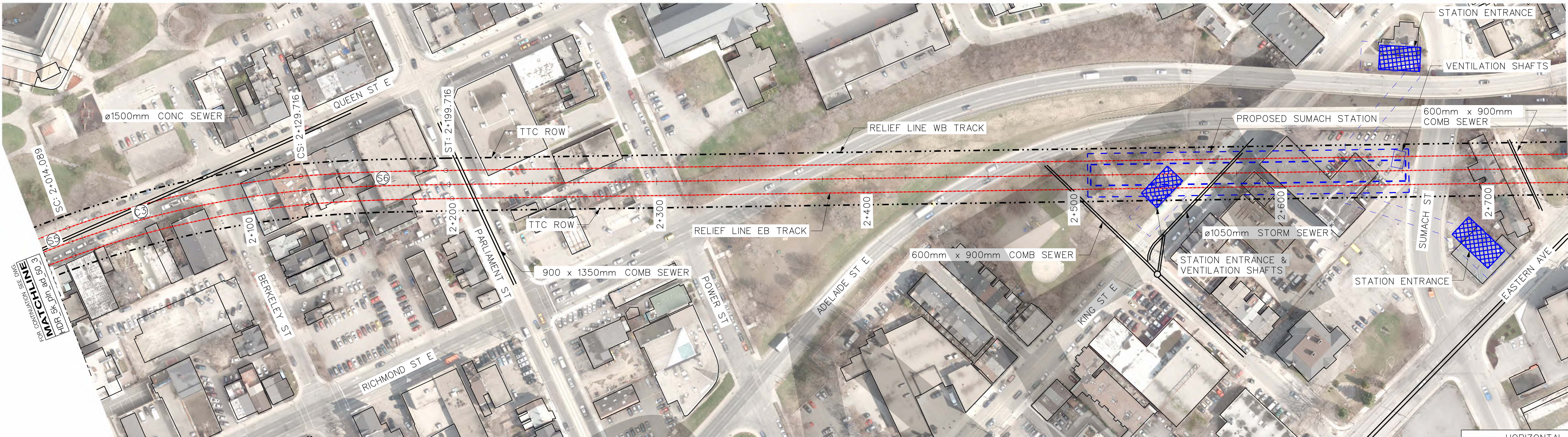
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BLDG. REF. No.

FILENAME:

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DRAWING No.



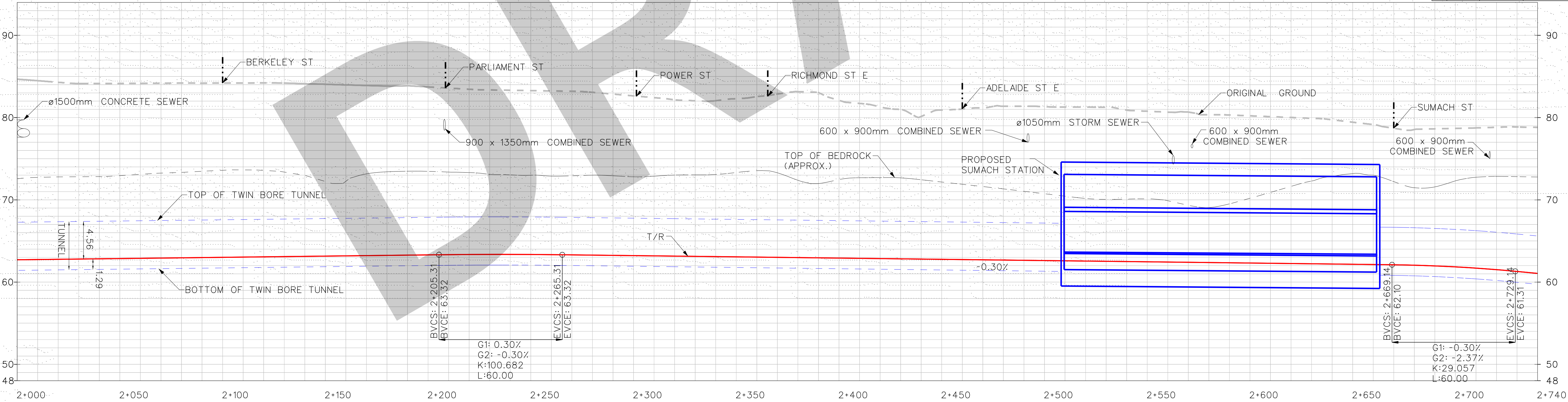
PLAN

QUEEN ST W - STA. 2+000 TO STA. 2+740

1

HDR_5k_pln_ad_50_4

HORIZONTAL CURVE DATA					
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S5			70.000	80	
C3	3° 49'	457.0	115.627	80	100
S6			70.000	80	



PROFILE

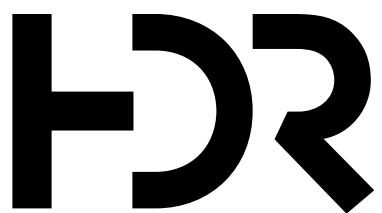
QUEEN ST W - STA. 2+000 TO STA. 2+740

1

HDR_5k_pln_ad_50_4

REVISIONS		REVISIONS	
△ A	2017/07/26	△ D	2017/10/17
△ B	2017/08/02	△	
△ C	2017/09/13	△	

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CHECKED	EVG	2017/10/17	
CORRECT	J.S	2018/03/06	
SCALE			

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 2+00 TO STA. 2+740

Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	Rev. No.
Dwg. No. HDR_5k_pln_ad_50_4	Sheet No.

Plot Date: 14-MAR-2018

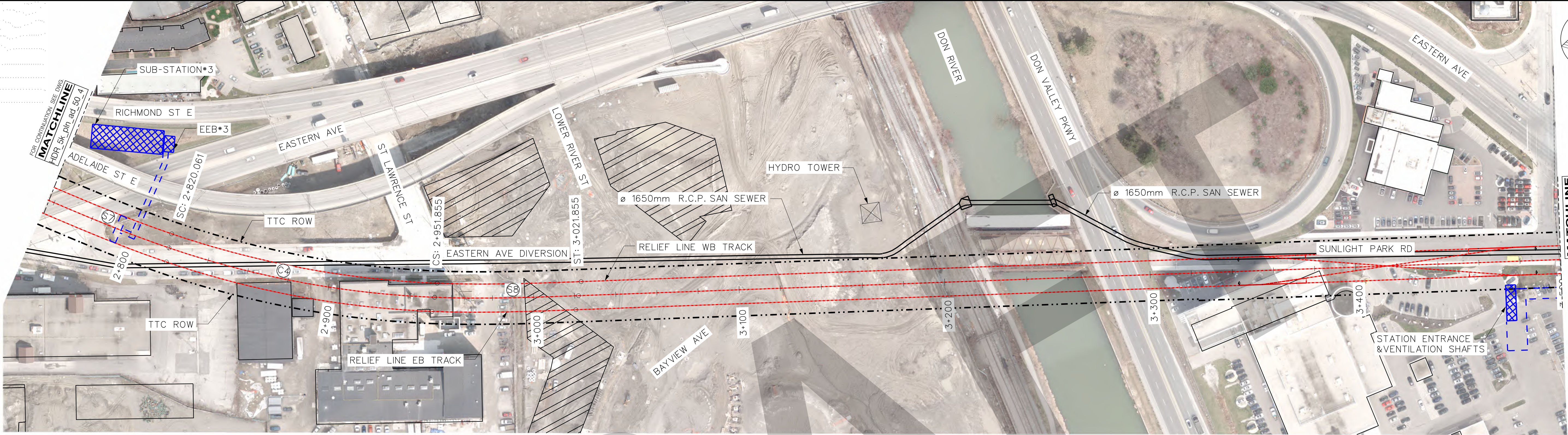
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME:

SHEET No.

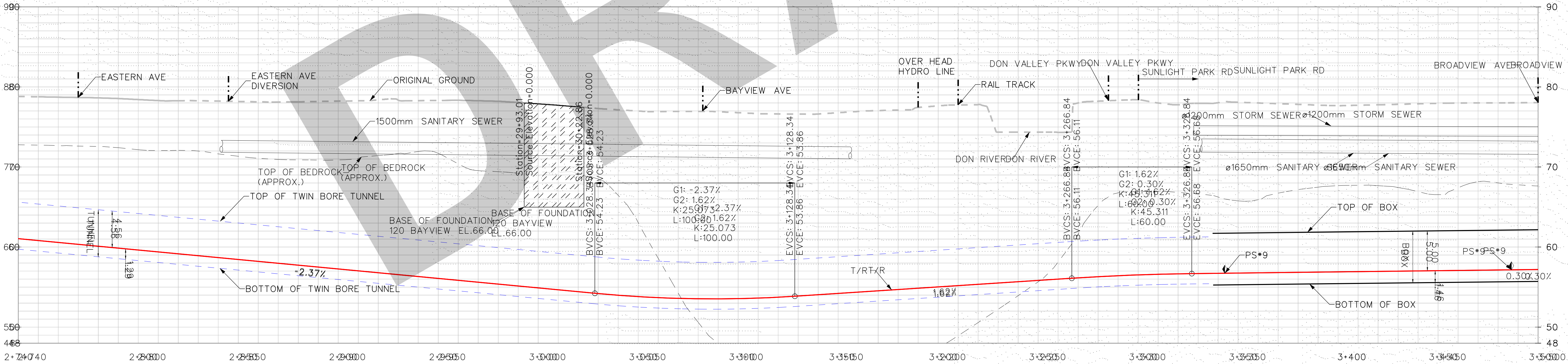
DRAWING No.



PLAN
STA. 2+740 TO STA. 3+500

1
HDR_5k_pln_ad_50_5

HORIZONTAL CURVE DATA				
	Dc	RADIUS (m)	LENGTH (m)	V (kph)
S7			70.000	80
C4	3° 49'	457.0	131.794	80
S8			70.000	80



PROFILE
STA. 2+740 TO STA. 3+500

1
HDR_5k_pln_ad_50_5

REVISIONS		REVISIONS	
A	ADDENDUM No. OR CONTRACT CHANGE No. 2017/07/26 DESCRIPTION OF CHANGE	D	ADDENDUM No. OR CONTRACT CHANGE No. 2017/10/17 DESCRIPTION OF CHANGE
B	ADDENDUM No. OR CONTRACT CHANGE No. 2017/08/02 DESCRIPTION OF CHANGE	E	ADDENDUM No. OR CONTRACT CHANGE No. 2017/10/17 DESCRIPTION OF CHANGE
C	ADDENDUM No. OR CONTRACT CHANGE No. 2017/09/13 DESCRIPTION OF CHANGE	F	ADDENDUM No. OR CONTRACT CHANGE No. 2017/10/17 DESCRIPTION OF CHANGE

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CHECKED	EVG	2017/10/17	
CORRECT	J.S	2018/03/06	
SCALE	1:1000		

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 2+740 TO STA. 3+500

Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No. HDR_5k_pln_ad_50_5	Rev. No. Sheet No.

Plot Date: 14-MAR-2018

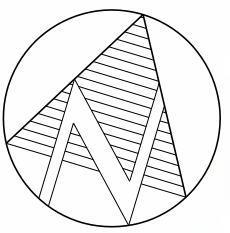
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BLDG. REF. No.

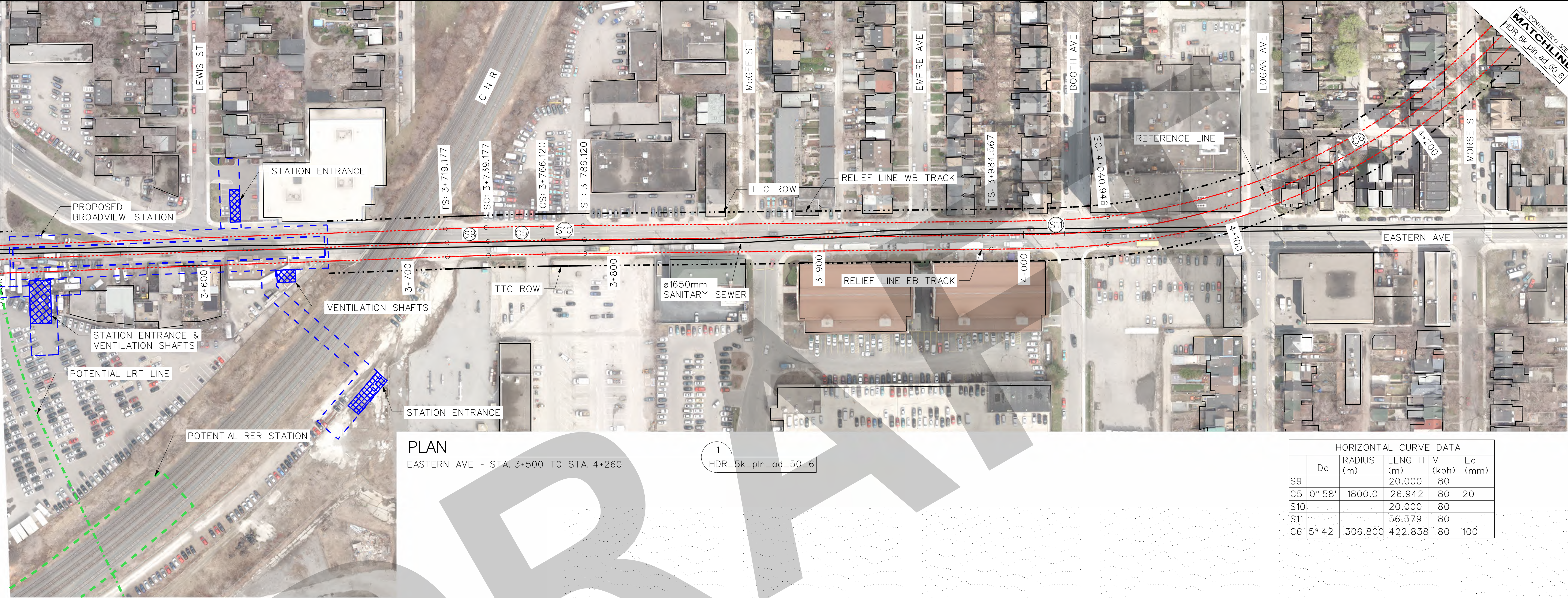
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SHEET No.

DRAWING No.



FOR CONTINUATION SEE DWG
MATCHLINE
HDR_5k_pln_ad_50_6

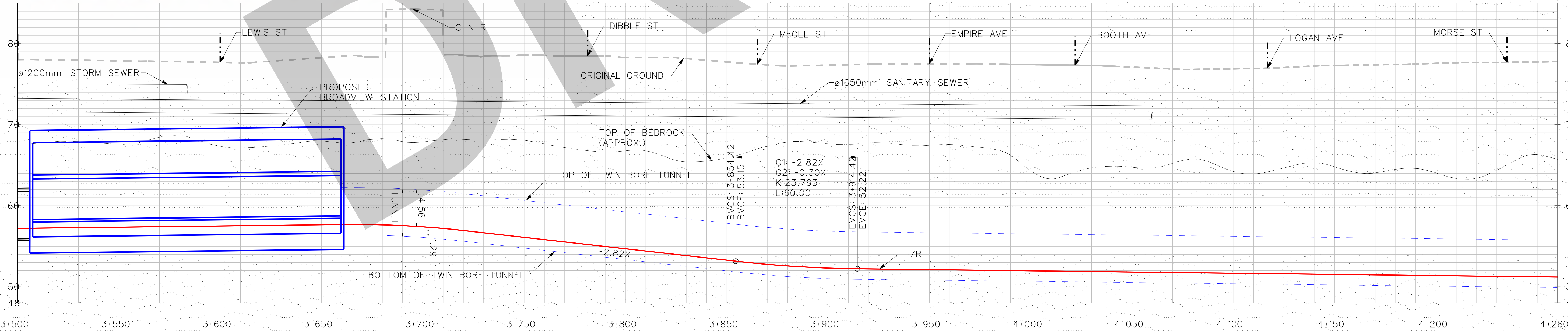


PLAN

EASTERN AVE - STA. 3+500 TO STA. 4+260

1
HDR_5k_pln_ad_50_6

HORIZONTAL CURVE DATA					
	Dc	RADIUS (m)	LENGTH (m)	V (kph)	Ea (mm)
S9			20.000	80	
C5	0° 58'	1800.0	26.942	80	20
S10			20.000	80	
S11			56.379	80	
C6	5° 42'	306.800	422.838	80	100



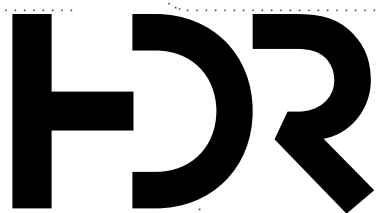
PROFILE

EASTERN AVE - STA. 3+500 TO STA. 4+260

1
HDR_5k_pln_ad_50_6

REVISIONS		REVISIONS	
△ A	2017/07/26	△ D	2017/10/17
△ B	2017/08/02		
△ C	2017/09/13		

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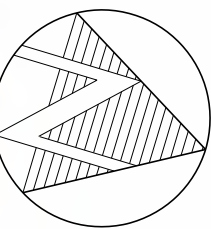
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DRAWN	JG	YYYY/MM/DD	2017/10/17
CHECKED	EVG		2017/10/17
CORRECT	J.S		2018/03/06
SCALE 0 10 20 30 40m			

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 3+500 TO STA. 4+260

Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No. HDR_5k_pln_ad_50_6	Rev. No. Sheet No.

Plot Date: 14-MAR-2018



MATCHLINE
HDR_5k_pln_ad_50_7
FOR CONTINUATION SEE DWG.

CARLAW AVE - STA. 4+260 TO STA. 4+960

1
HDR_5k_pln_ad_50_7

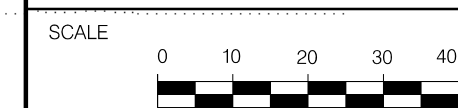


CARLAW AVE - STA. 4+260 TO STA. 4+960

REVISIONS		REVISIONS	
△ A	2017/07/26	△ D	2017/10/17
△ B	2017/08/02	△	
△ C	2017/09/13	△	

HDR

DRAWN	JG	YYYY/MM/DD 2017/10/17
CHECKED	EVG	2017/10/17
CORRECT	J.S	2018/03/06



Contract:	Package:
	
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No.	Rev. No.
HDR_5k_pln_ad_50_7	
	Sheet No.

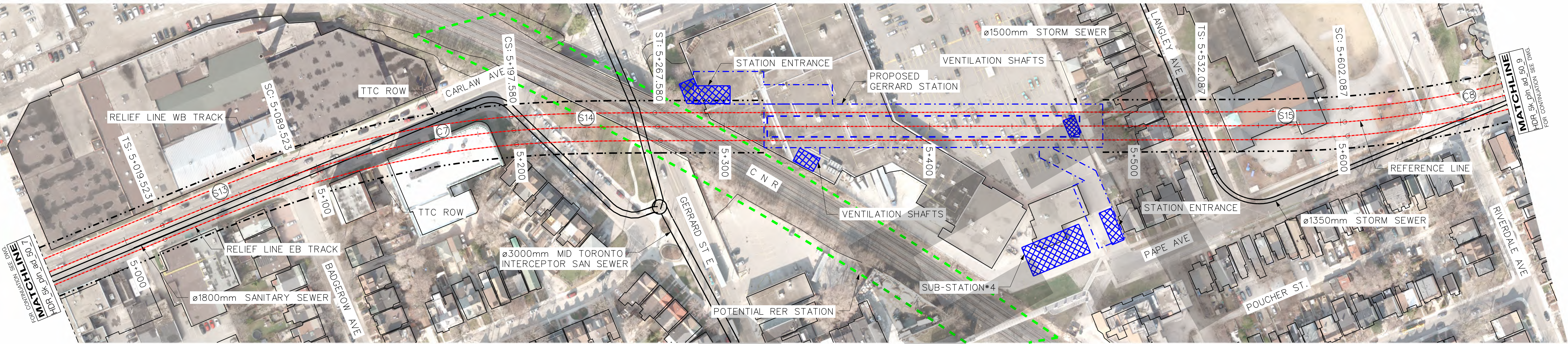
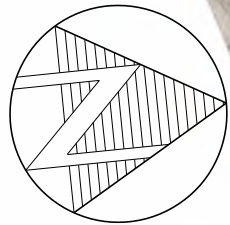
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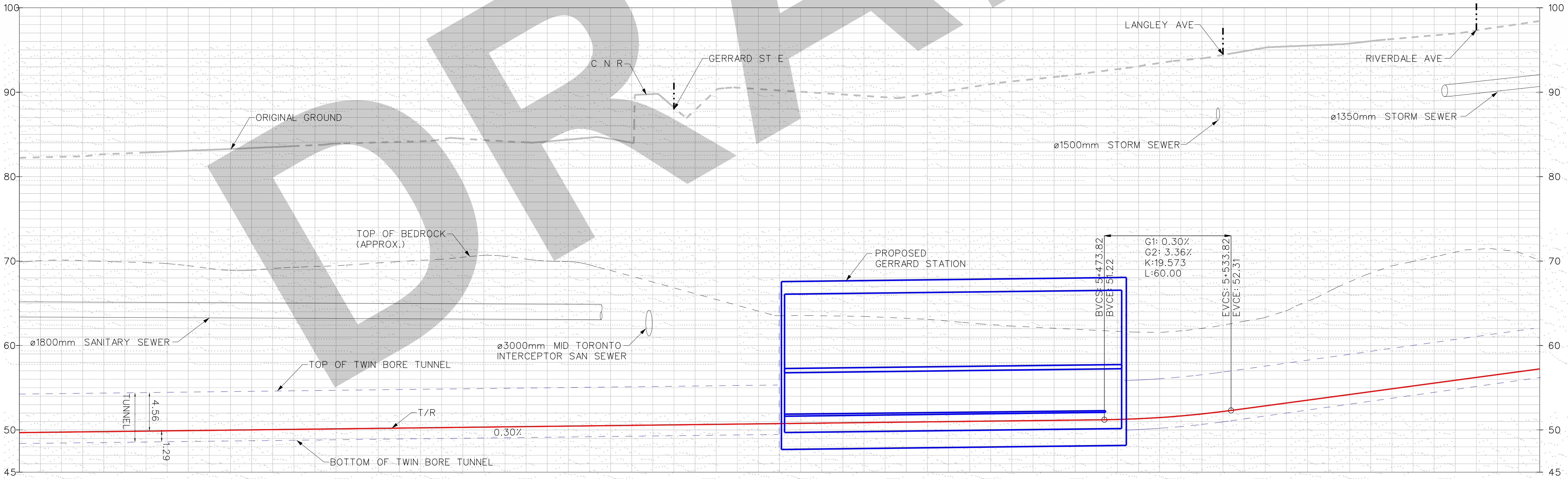


PLAN

CARLAW AVE - STA. 4+960 TO STA. 4+680

1
HDR_5k_pln_ad_50_8

HORIZONTAL CURVE DATA					
	Dc	RADIUS (m)	LENGTH (m)	V (kph)	Ea (mm)
S13			70.000	80	
C7	3° 49'	457.0	108.057	80	100
S14			70.000	80	
S15			70.000	80	
C8	3° 49'	457.0	109.428	80	100



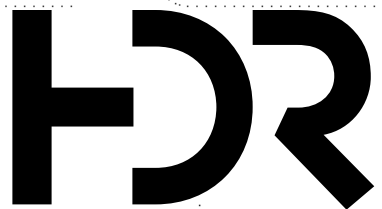
PROFILE

CARLAW AVE - STA. 4+960 TO STA. 4+680

1
HDR_5k_pln_ad_50_8

REVISIONS		REVISIONS	
A	2017/07/26	D	2017/10/17
B	2017/08/02		
C	2017/09/13		

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CHECKED	EVG		2017/10/17
CORRECT	J.S.		2018/03/06
SCALE 0 10 20 30 40m			

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 4+960 TO STA. 5+680

Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No. HDR_5k_pln_ad_50_8	Rev. No. Sheet No.
Plot Date: 14-MAR-2018	

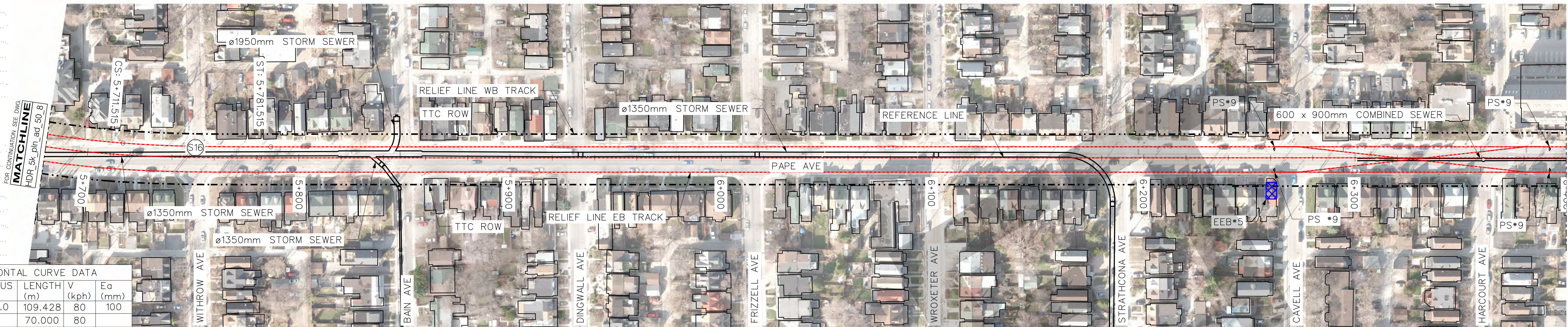
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

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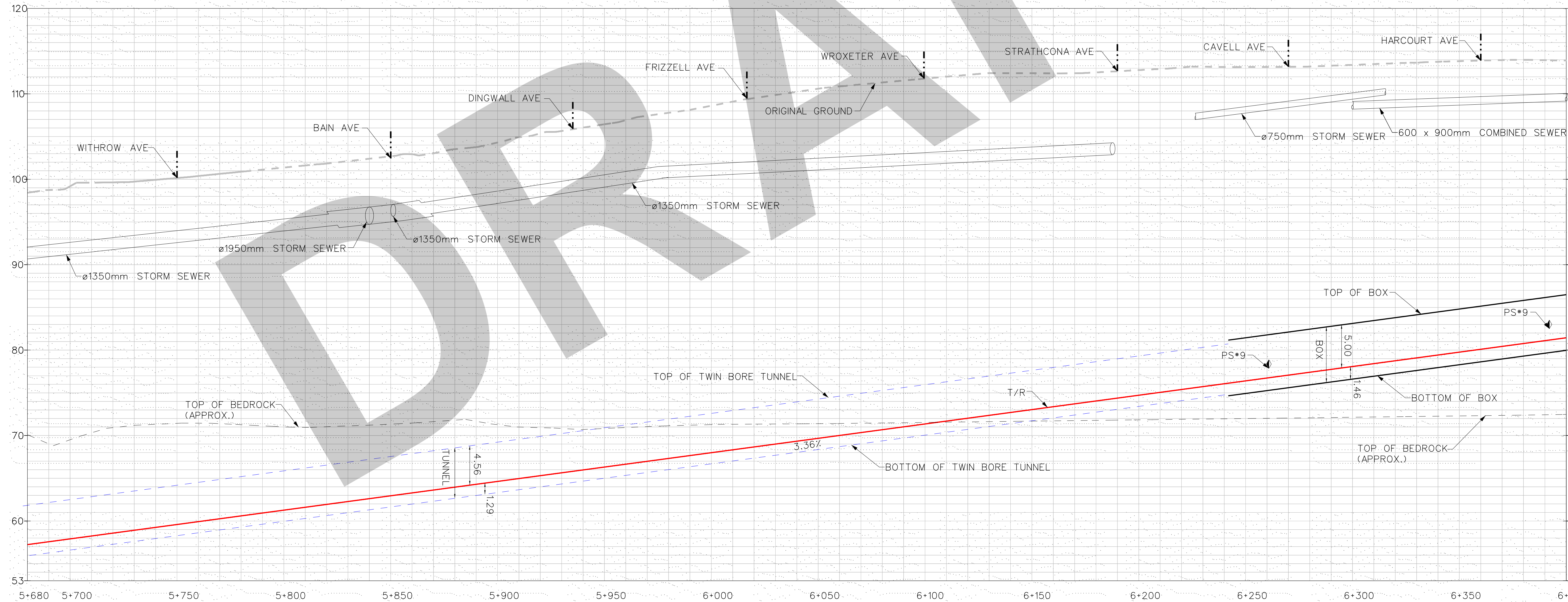


HORIZONTAL CURVE DATA					
	Dc	RADIUS (m)	LENGTH (m)	V (kph)	Ea (mm)
C8	3° 49'	457.0	109.428	80	100
S16			70.000	80	

PLAN

CARLAW AVE - STA. 5+680 TO STA. 6+400

1
HDR_5k_pln_ad_50_9



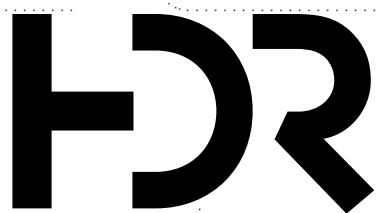
PROFILE

CARLAW AVE - STA. 5+680 TO STA. 6+400

1
HDR_5k_pln_ad_50_9

REVISIONS		REVISIONS	
△ A	2017/07/26	△ D	2017/10/17
△ B	2017/08/02	△	
△ C	2017/09/13	△	

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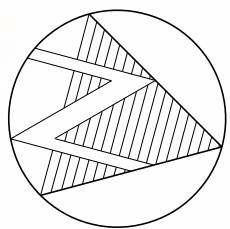
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DRAWN	JG	YYYY/MM/DD	2017/10/17
CHECKED	EVG		2017/10/17
CORRECT	J.S		2018/03/06
SCALE 0 10 20 30 40m			

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 5+680 TO STA. 6+400

Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No. HDR_5k_pln_ad_50_9	Rev. No. Sheet No.

Plot Date: 14-MAR-2018



CARLAW AVE - STA. 6+400 TO STA. 7+100




CARLAW AVE - STA. 6+400 TO STA. 7+100

DRAWING No.

1
HDR_5k_pln_ad_50_10



SCALE



Contract:	Package:
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TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No.	Rev. No.	Sheet No.
HDR 5k pln ad 50 10		

Plot Date: 14-MAR-2018

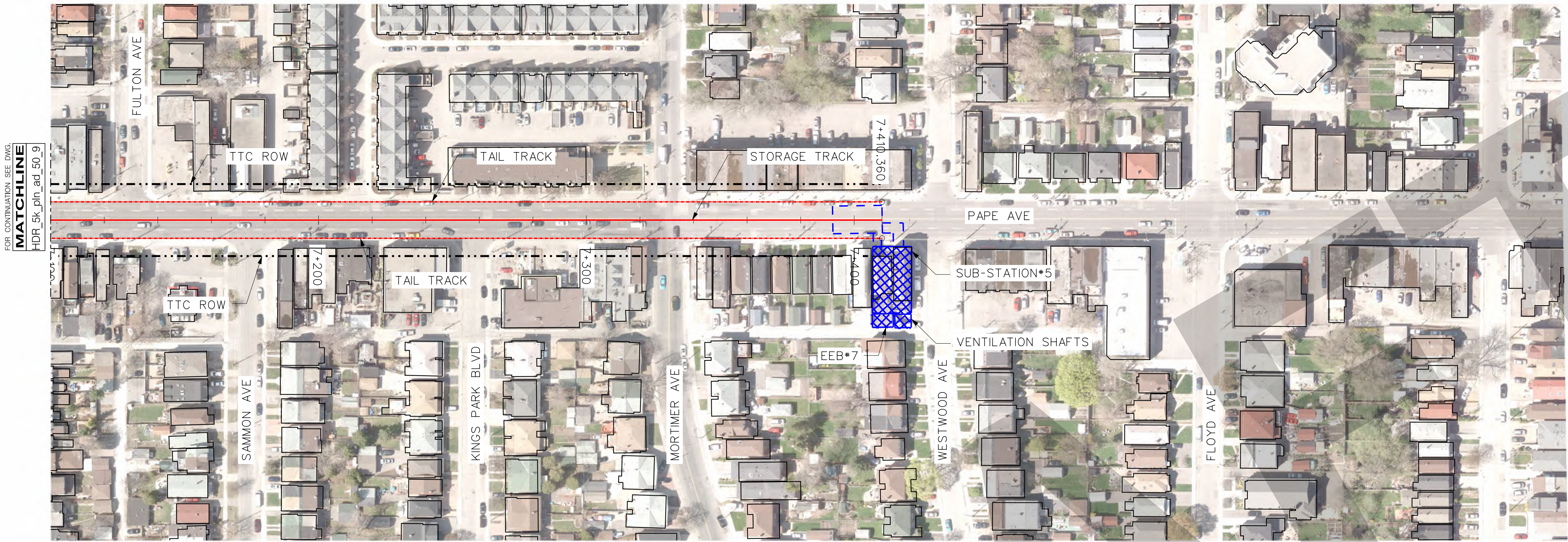
engbord3.dgn (BORDER) MAY 10, 2017

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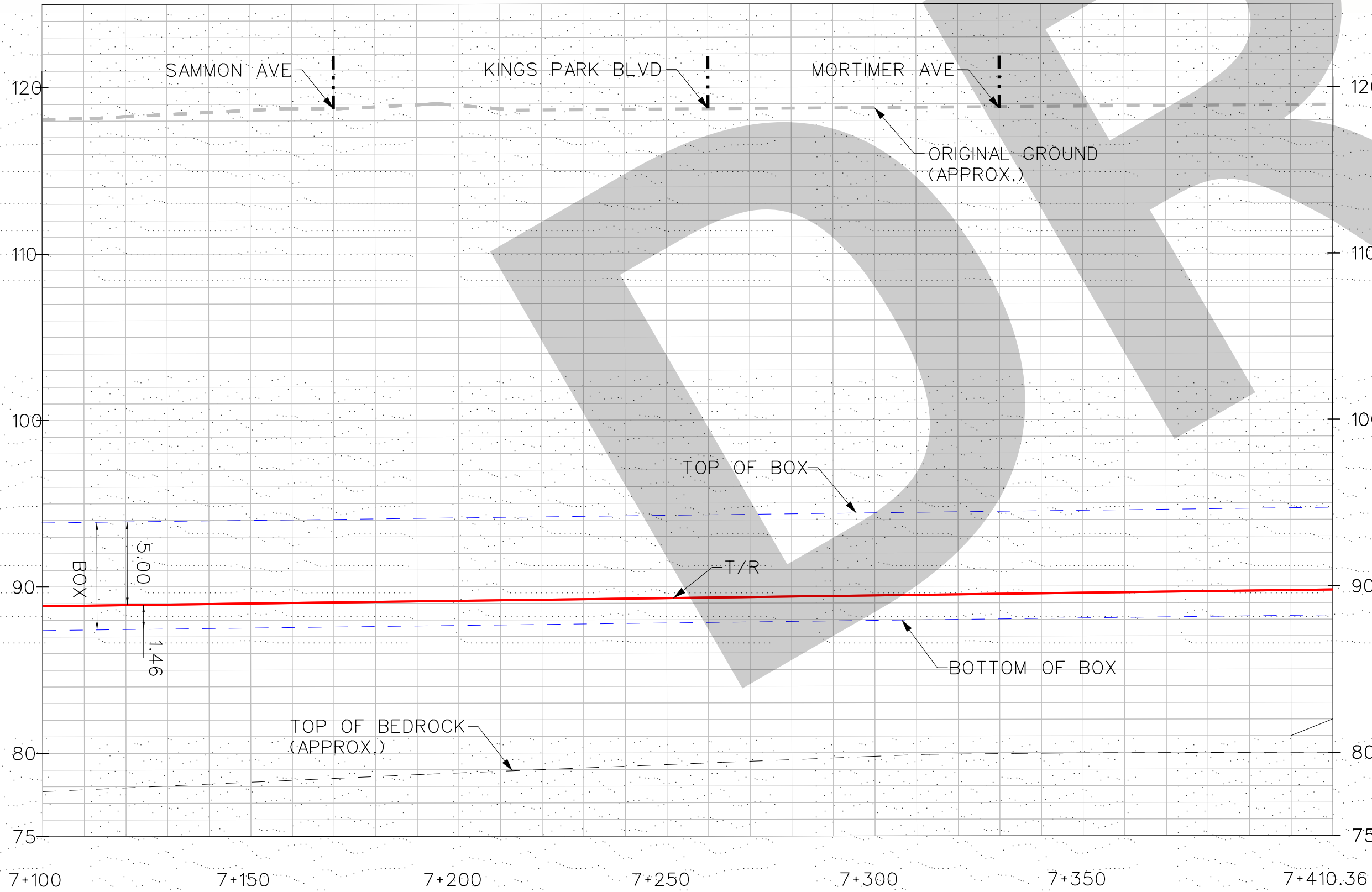
DRAWING No.



PLAN

CARLAW AVE - STA. 6+400 TO STA. 7+100

1
HDR_5k_pln_ad_50_11



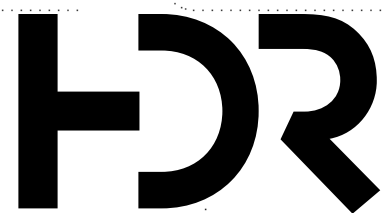
PROFILE

CARLAW AVE - STA. 6+400 TO STA. 7+100

1
HDR_5k_pln_ad_50_11

REVISIONS		REVISIONS	
ADDENDUM No. OR CONTRACT CHANGE No.	DATE	ADDENDUM No. OR CONTRACT CHANGE No.	DATE
A	2017/07/26	D	2017/10/17
DESCRIPTION OF CHANGE		DESCRIPTION OF CHANGE	
ADDENDUM No. OR CONTRACT CHANGE No.	DATE	ADDENDUM No. OR CONTRACT CHANGE No.	DATE
B	2017/08/02		
DESCRIPTION OF CHANGE		DESCRIPTION OF CHANGE	
ADDENDUM No. OR CONTRACT CHANGE No.	DATE	ADDENDUM No. OR CONTRACT CHANGE No.	DATE
C	2017/09/13		
DESCRIPTION OF CHANGE		DESCRIPTION OF CHANGE	

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CHECKED	EVG	2017/10/17	
CORRECT			
SCALE	1:1000		

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 7+100 TO STA. 7+410.36

Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No.	Rev. No.
HDR_5k_pln_ad_50_11	
Sheet No.	

Plot Date: 14-MAR-2018

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BLDG. REF. No.

FILENAME:

SHEET No.

DRAWING No.

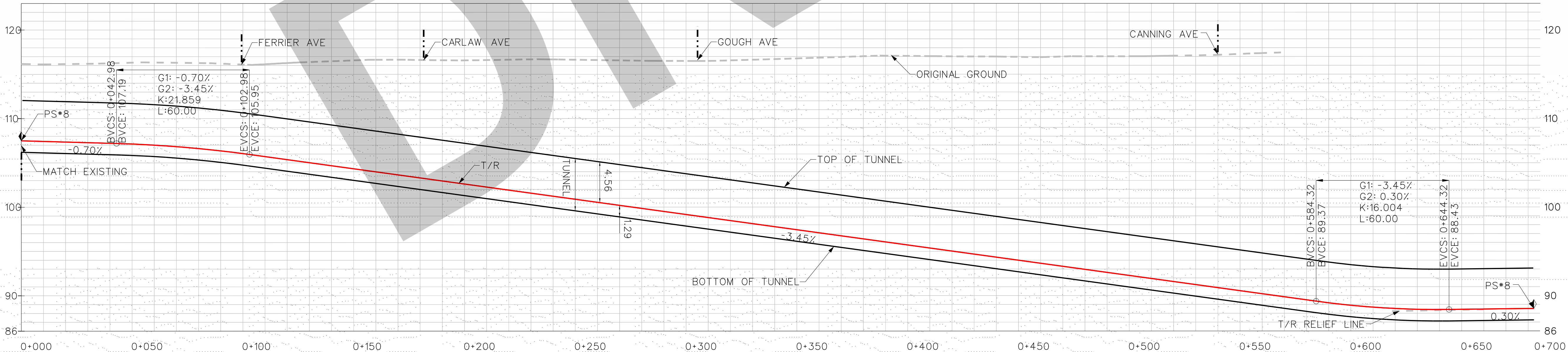


PLAN

CARLAW AVE - STA. 0+000 TO STA. 0+682.56

1
HDR_5k_pln_ad_50_12

HORIZONTAL CURVE DATA					
	Dc	RADIUS (m)	LENGTH (m)	V (kph)	Ea (mm)
S21			19.000	30	
C12	5° 49'	300.0	378.783	30	0
S22			19.000	30	



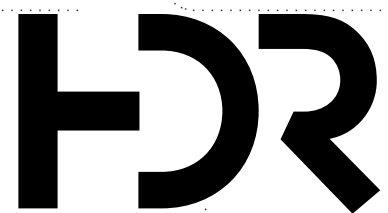
PROFILE

CARLAW AVE - STA. 0+000 TO STA. 0+682.56

1
HDR_5k_pln_ad_50_12

REVISIONS		REVISIONS	
ADDENDUM No. OR CONTRACT CHANGE No.	DESCRIPTION OF CHANGE	ADDENDUM No. OR CONTRACT CHANGE No.	DESCRIPTION OF CHANGE
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2017/08/02		XXXX-MM-DD	
2017/09/13		XXXX-MM-DD	

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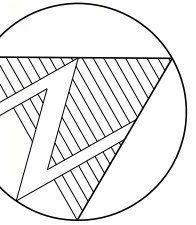
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DRAWN	JG	YYYY/MM/DD	2017/10/17
CHECKED	EVG	2017/10/17	
CORRECT	J.S	2018/03/06	
SCALE	0 10 20 30 40m 1:1000		

RELIEF LINE
PREFERRED ALIGNMENT
PLAN AND PROFILE
STA. 0+000 TO STA. 0+682.56

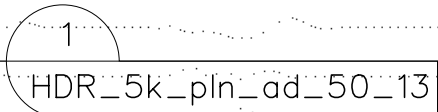
Contract:	Package:
TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT	
Dwg. No.	Rev. No.
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Sheet No.	

Plot Date: 14-MAR-2018



1
HDR_5k_pln_ad_50_13

1
HDR_5k_pln_ad_50_13



1 HDR_5k_pln_ad_50_13

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RELIEF LINE

PREFERRED ALIGNMENT
PLAN AND PROFILE

STA. 0+000 TO STA. 0+592.52

Plot Date: 14-MAR-2018