

**Public Works
Canada**

**Travaux publics
Canada**

ATLANTIC REGION

RÉGION ATLANTIQUE

HIGHWAY 117 STRENGTHENING

Km 0.00 to 4.25

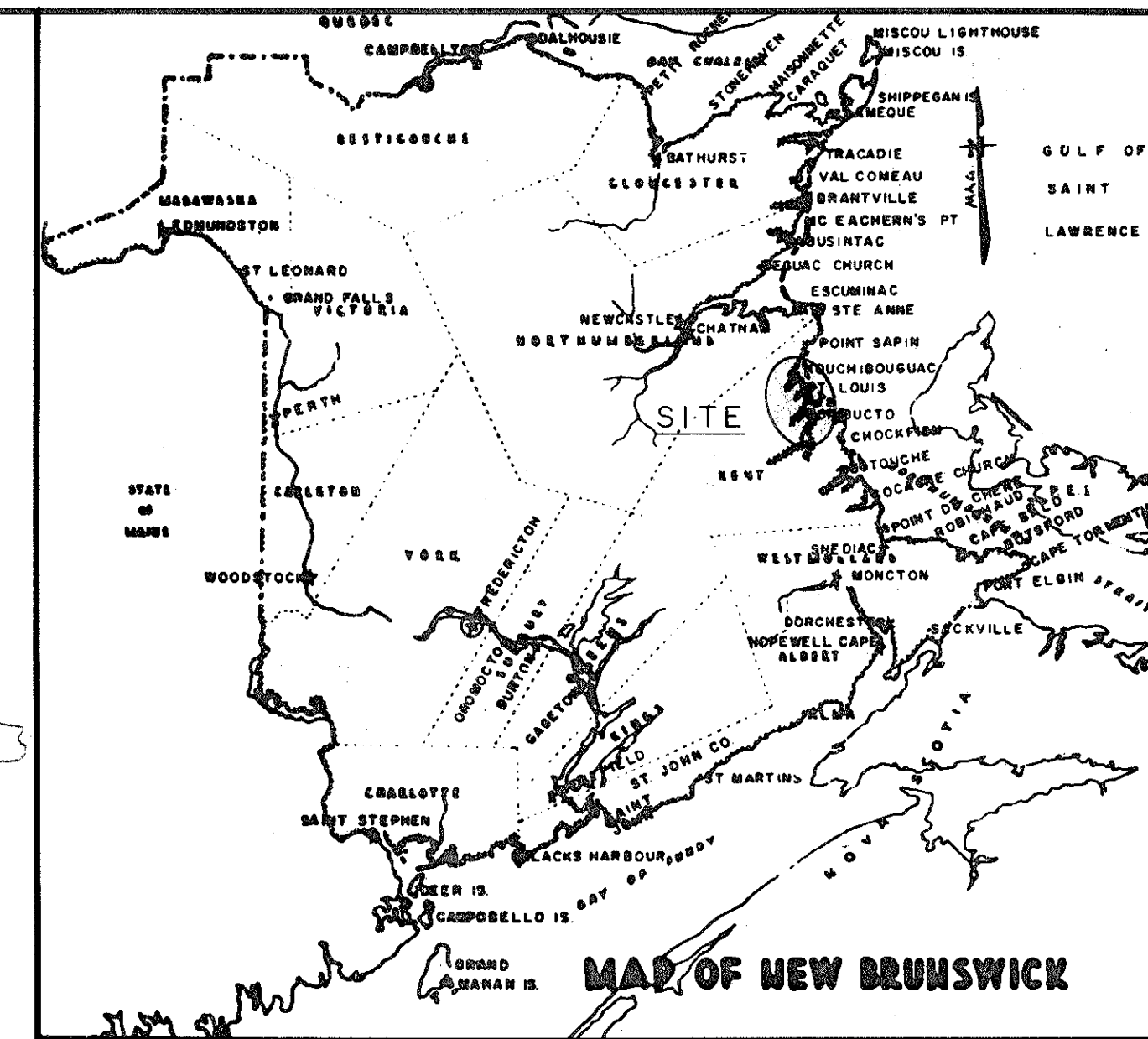
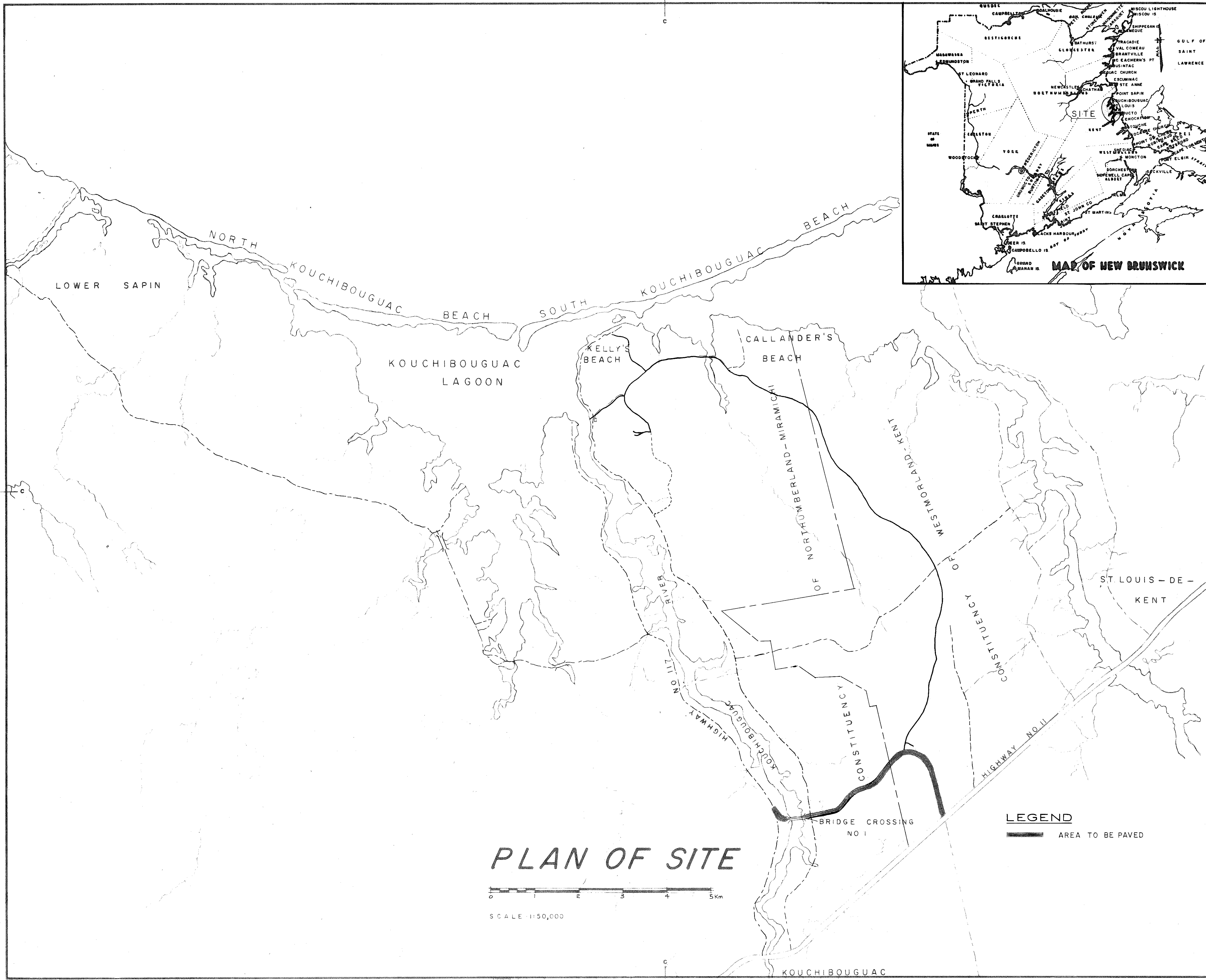
**KOUCHIBOUGUAC
NATIONAL PARK**

KENT COUNTY NEW BRUNSWICK

LIST OF DRAWINGS

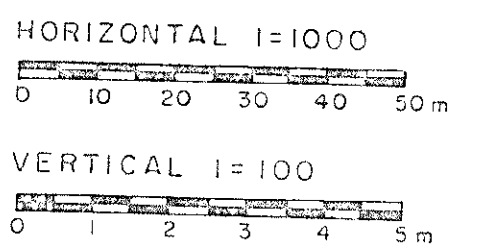
DRAWING No.	TITLE	DATE
1 of 11	KEY PLAN	APRIL , 1989
2 of 11	PLAN & PROFILE STA. 0+000 to STA. 0+500	APRIL , 1989
3 of 11	PLAN & PROFILE STA. 0+500 to STA. 1+000	APRIL , 1989
4 of 11	PLAN & PROFILE STA. 1+000 to STA. 1+600	APRIL , 1989
5 of 11	PLAN & PROFILE STA. 1+600 to STA. 2+100	APRIL , 1989
6 of 11	PLAN & PROFILE STA. 2+100 to STA. 2+600	APRIL , 1989
7 of 11	PLAN & PROFILE STA. 2+600 to STA. 3+100	APRIL , 1989
8 of 11	PLAN & PROFILE STA. 3+100 to STA. 3+700	APRIL , 1989
9 of 11	PLAN & PROFILE STA. 3+700 to STA. 4+250	APRIL , 1989
10 of 11	TYPICAL SECTION & DETAILS	APRIL , 1989
11 of 11	SUB DRAIN DETAILS	APRIL , 1989

PROJECT No. 657914



Public Works Canada Travaux publics Canada													
revisions	date												
<table border="1"><tr><td>A</td><td>A detail no. no. du détail</td></tr><tr><td>C</td><td>B location drawing no. sur dessin no.</td></tr><tr><td></td><td>C drawing no. dessin no.</td></tr></table>	A	A detail no. no. du détail	C	B location drawing no. sur dessin no.		C drawing no. dessin no.	<table border="1"><tr><td>A</td><td>A detail no. no. du détail</td></tr><tr><td>B</td><td>B location drawing no. sur dessin no.</td></tr><tr><td>C</td><td>C drawing no. dessin no.</td></tr></table>	A	A detail no. no. du détail	B	B location drawing no. sur dessin no.	C	C drawing no. dessin no.
A	A detail no. no. du détail												
C	B location drawing no. sur dessin no.												
	C drawing no. dessin no.												
A	A detail no. no. du détail												
B	B location drawing no. sur dessin no.												
C	C drawing no. dessin no.												
project HWY. 117 STRENGTHENING Km. 0.00 to 4.25 KOUCHIBOUGUAC NATIONAL PARK KENT CO., NEW BRUNSWICK													
drawing KEY PLAN													
designed conçu													
date drawn Margaret Grant April 87 dessiné													
date reviewed Attila M. G. G. 02/04/17 examiné													
date approved approuvé													
date Tender Soumission													
PWC Project Manager Administrateur de projets TPC													
project number 657914 no. du projet													
drawing no. 1 of 11 no. du dessin													

SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- - - - - EXISTING CULVERT WITH NEW END SECTION
- + WELL
- o OVER HEAD LIGHT
- o COVER FOR SEWAGE TANK
- o ENERGY ATTENUATOR
- BUILDING

CURVE No. 1 DATA
 $R = 2993.79m$
 $T = 243.28m$
 $Lc = 485.52m$
 $\Delta = 9^{\circ}17'30''$ Rt.

BUILDING No 1
 BUILDING No 2

See sheet 10 of 11 for
 details on pavement markings

MATCH LINE STA. 0+500 - SEE DWG. No. 3 of 11

revisions date

A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project projet
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing dessin

PLAN & PROFILE
STA. 0+000 to
STA. 0+500

designed conçu

date Margaret Grant April 89

drawn dessiné

date Margaret Grant April 89

reviewed examiné

date 03/04/89

approved approuvé

date

Tender Soumission

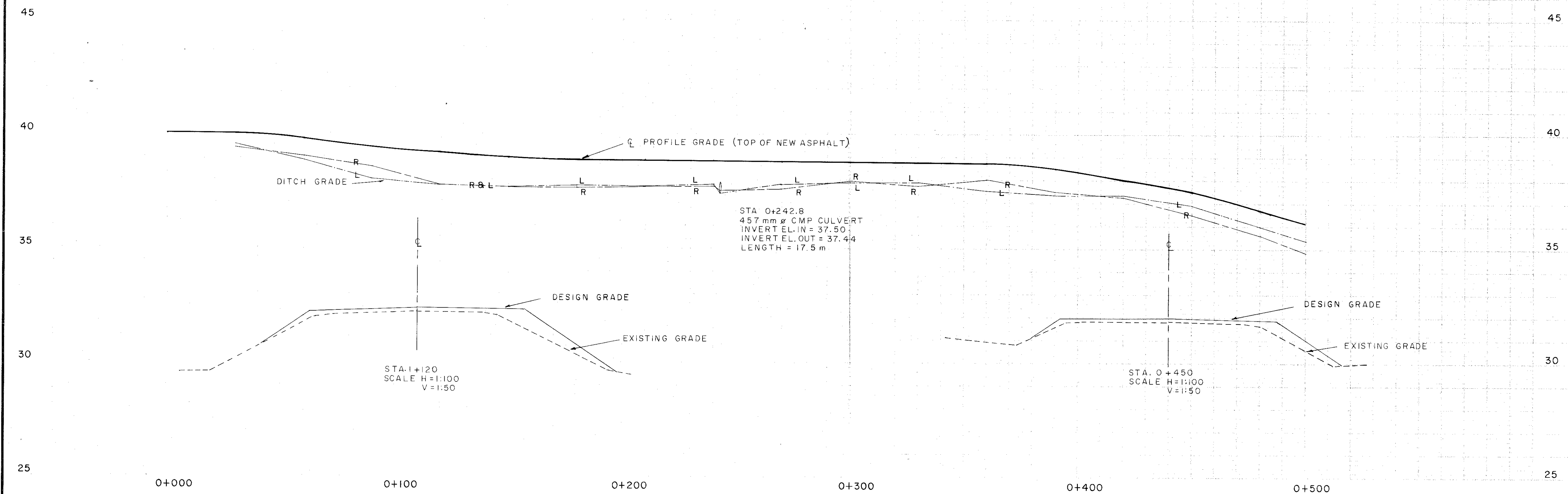
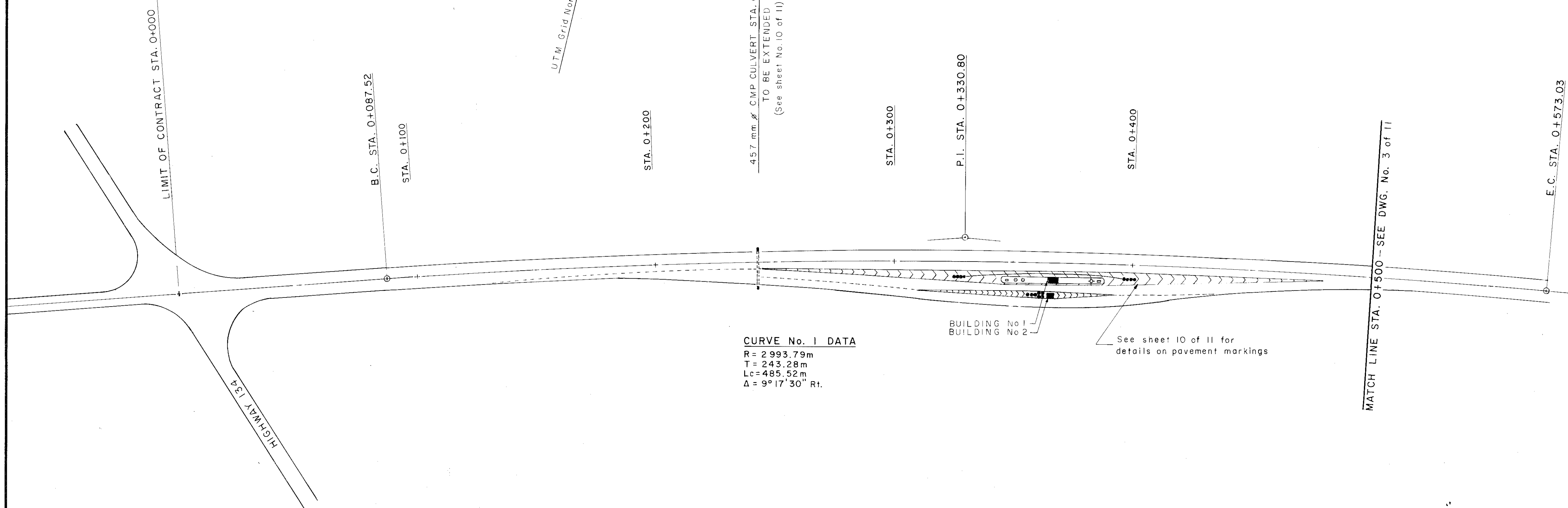
PWC Project Manager Administrateur de projets TPC

project number no. du projet

657914

drawing no. no. du dessin

2 of 11



SCALES

HORIZONTAL 1"=1000'
0 10 20 30 40 50 m

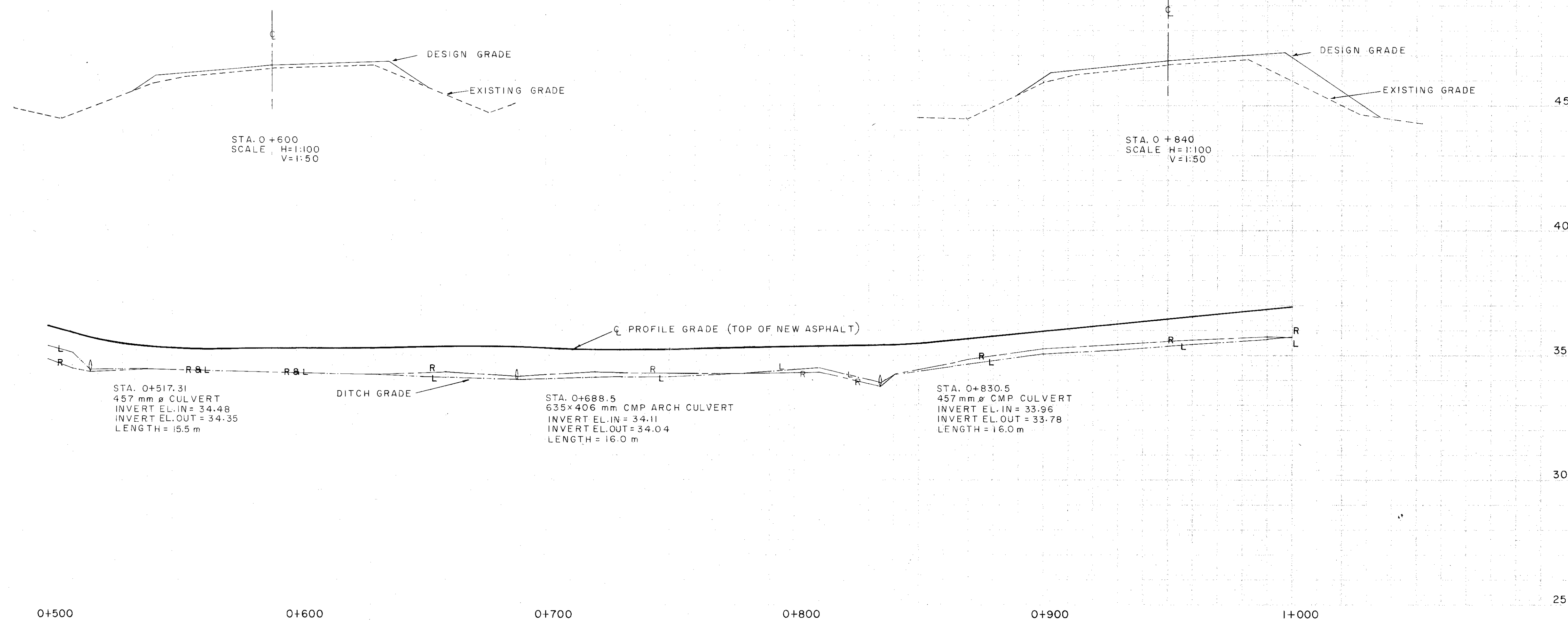
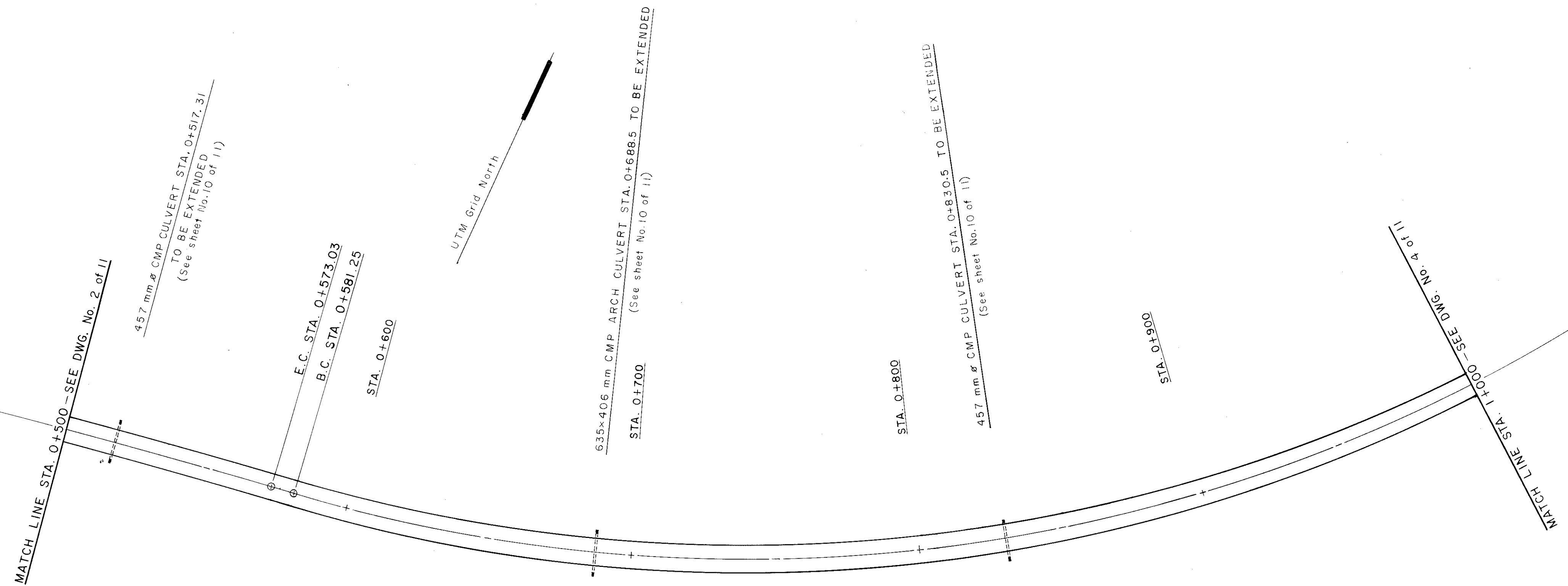
VERTICAL 1"=100'
0 1 2 3 4 5 m

LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- ===== EXISTING CULVERT WITH NEW END SECTION
- + WELL
- o OVER HEAD LIGHT
- o COVER FOR SEWAGE TANK
- o ENERGY ATTENUATOR
- o BUILDING

CURVE No. 2 DATA

R = 577.39m
T = 1902.33m
Lc = 1392.23m
 $\Delta = 148^{\circ} 27' 00''$ Lt.
P.I. STA. 2+481.01 INACCESSABLE



revisions	date
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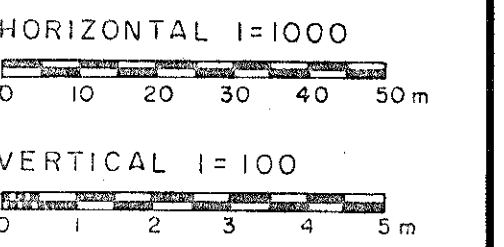
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	B location drawing no. sur dessin no.	
	C drawing no. dessin no.	

project
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing
PLAN & PROFILE
STA. 0+500 to
STA. 1+000

designed	conçu
date	<i>Margaret Grant April 89</i>
drawn	dessiné
date	<i>Margaret Grant April 89</i>
reviewed	examiné
date	<i>Attila McRae 03/04/17</i>
approved	approuvé
date	
Tender	Soumission
PWC Project Manager	Administrateur de projets TPC
project number	no. du projet
657914	
drawing no.	no. du dessin
3 of 11	

SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- - - - - EXISTING CULVERT WITH NEW END SECTION
- + WELL
- o OVER HEAD LIGHT
- COVER FOR SEWAGE TANK
- ENERGY ATTENUATOR
- BUILDING

revisions	date
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A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing PLAN & PROFILE
STA. 1+000 to
STA. 1+600

designed *Margaret Grant* April 89 conçu

drawn *Margaret Grant* April 89 dessiné

reviewed *Arthur McNeil* 29/04/89 examiné

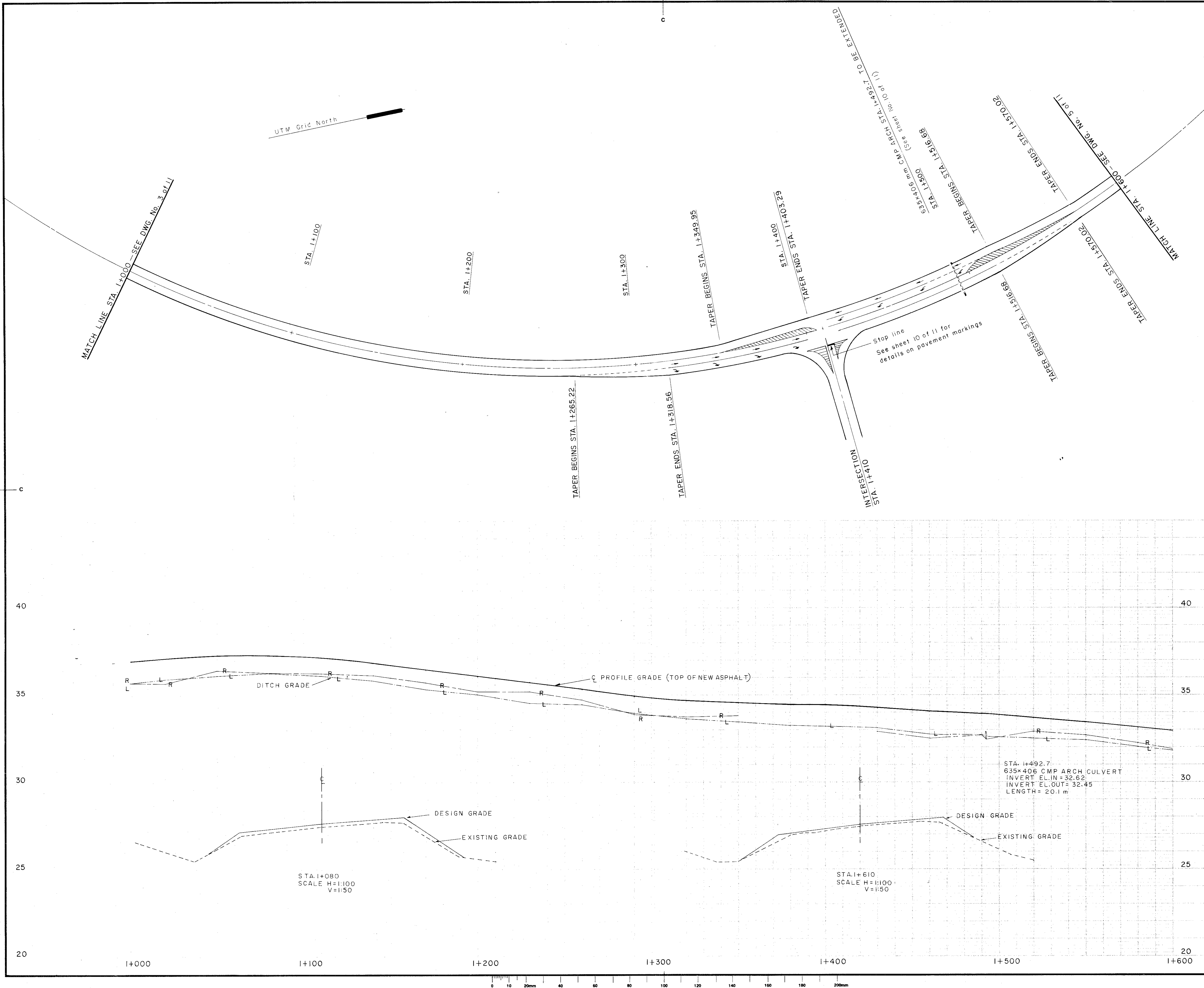
approved *Arthur McNeil* 29/04/89 approuvé

Tender *Arthur McNeil* Soumission

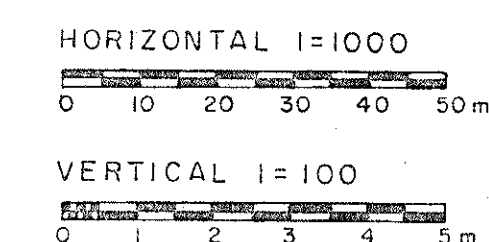
PWC Project Manager Administrateur de projets TPC

project number 657914 no. du projet

drawing no. 4 of 11 no. du dessin



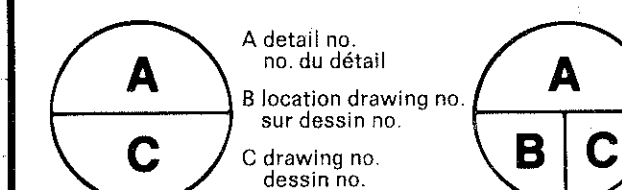
SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- - - - - EXISTING CULVERT WITH NEW END SECTION
- + WELL
- o OVER HEAD LIGHT
- o COVER FOR SEWAGE TANK
- o ENERGY ATTENUATOR
- BUILDING

revisions	date
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project
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing
dessein
PLAN & PROFILE
STA. 1+600 to
STA. 2+100

designed
conçu

date
Margaret Grant April 89

drawn
dessiné

date
Margaret Grant April 89

reviewed
examiné

date
03/08/89

approved
approuvé

date

Tender
Soumission

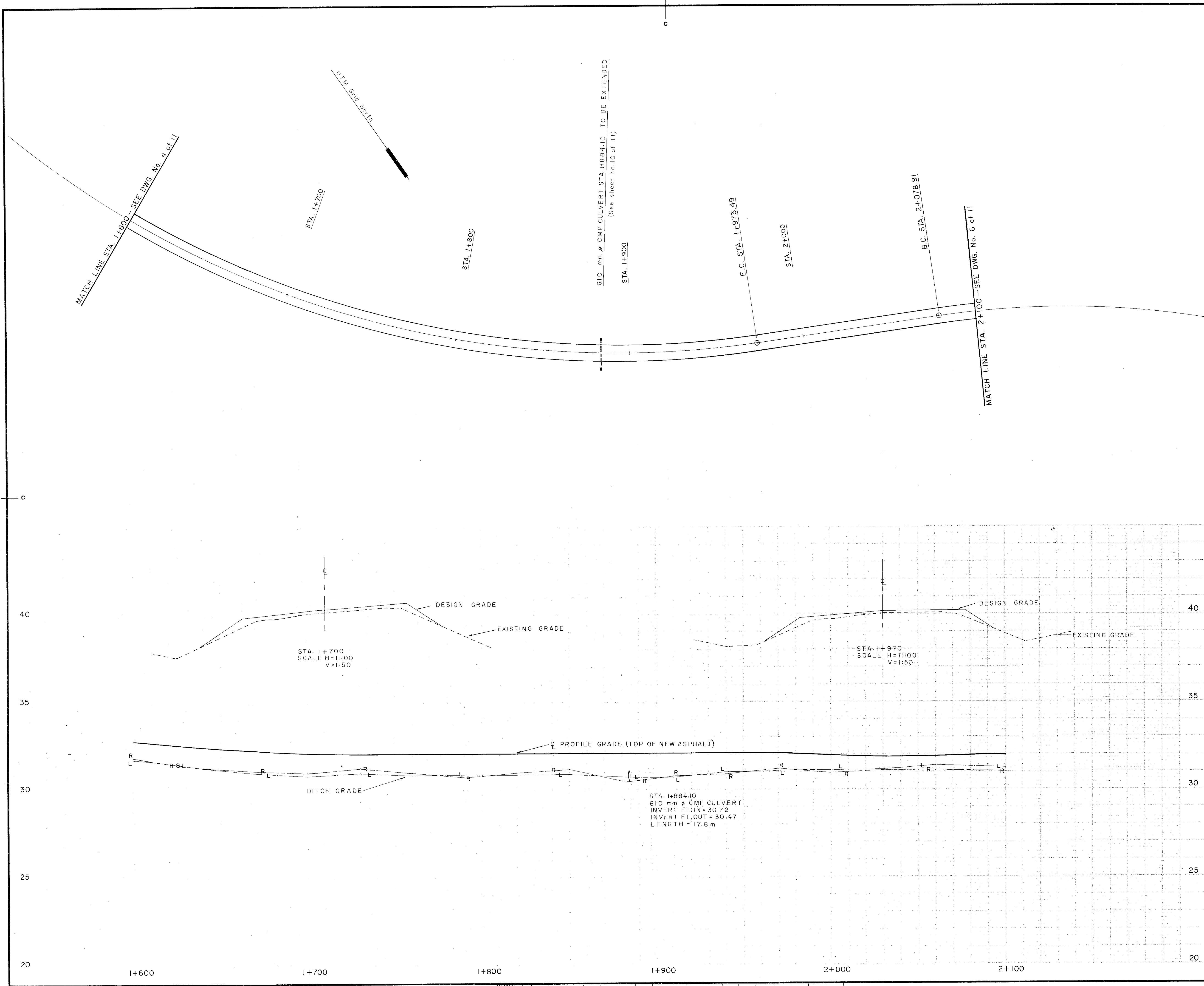
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Administrateur de projets TPC

project number
no. du projet

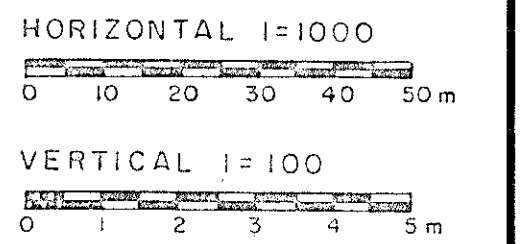
657914

drawing no.
no. du dessin

5 of 11



SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- ===== EXISTING CULVERT WITH NEW END SECTION
- + WELL
- o OVER HEAD LIGHT
- o COVER FOR SEWAGE TANK
- o ENERGY ATTENUATOR
- BUILDING

revisions date

A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project projet
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing dessin
PLAN & PROFILE
STA. 2+100 to
STA. 2+600

designed conçu
Margaret Grant April 89

drawn dessiné
Margaret Grant April 89

reviewed examiné
Arthur McLaughlin 02/04/17

approved approuvé

date

Tender Soumission

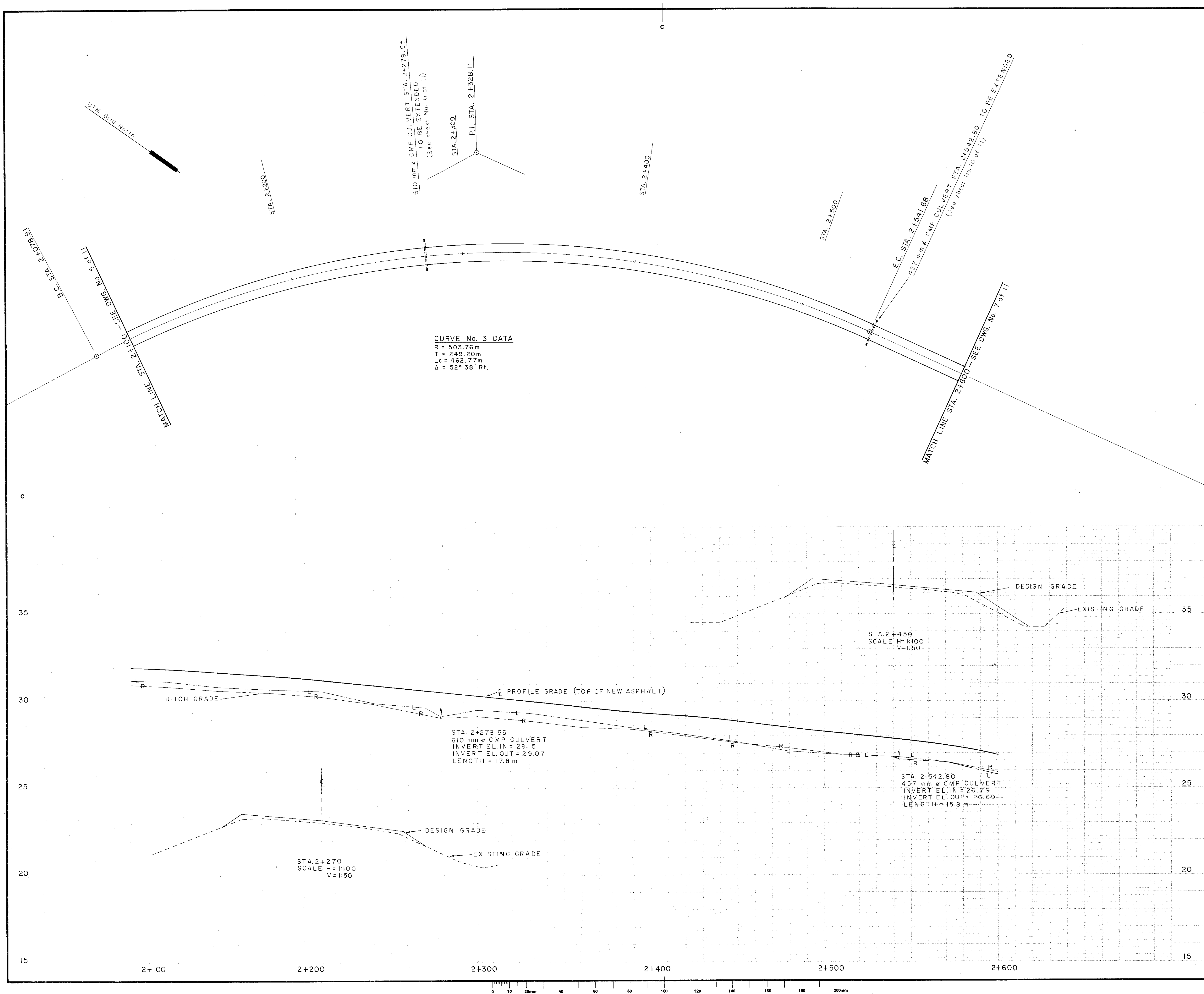
PWC Project Manager Administrateur de projets TPC

project number no. du projet

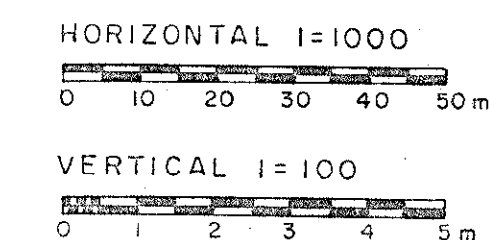
657914

drawing no. no. du dessin

6 of 11



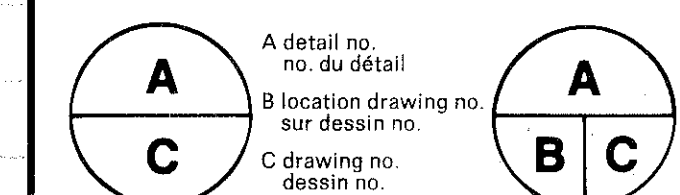
SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- EXISTING CULVERT WITH NEW END SECTION
- + WELL
- OVER HEAD LIGHT
- COVER FOR SEWAGE TANK
- ENERGY ATTENUATOR
- BUILDING

revisions date



project
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing
PLAN & PROFILE
STA. 2+600 to
STA. 3+100

designed Margaret Grant April 89 conçu

drawn Margaret Grant April 89 dessiné

reviewed [Signature] 09/04/17 examiné

date 09/04/17

approved [Signature] approuvé

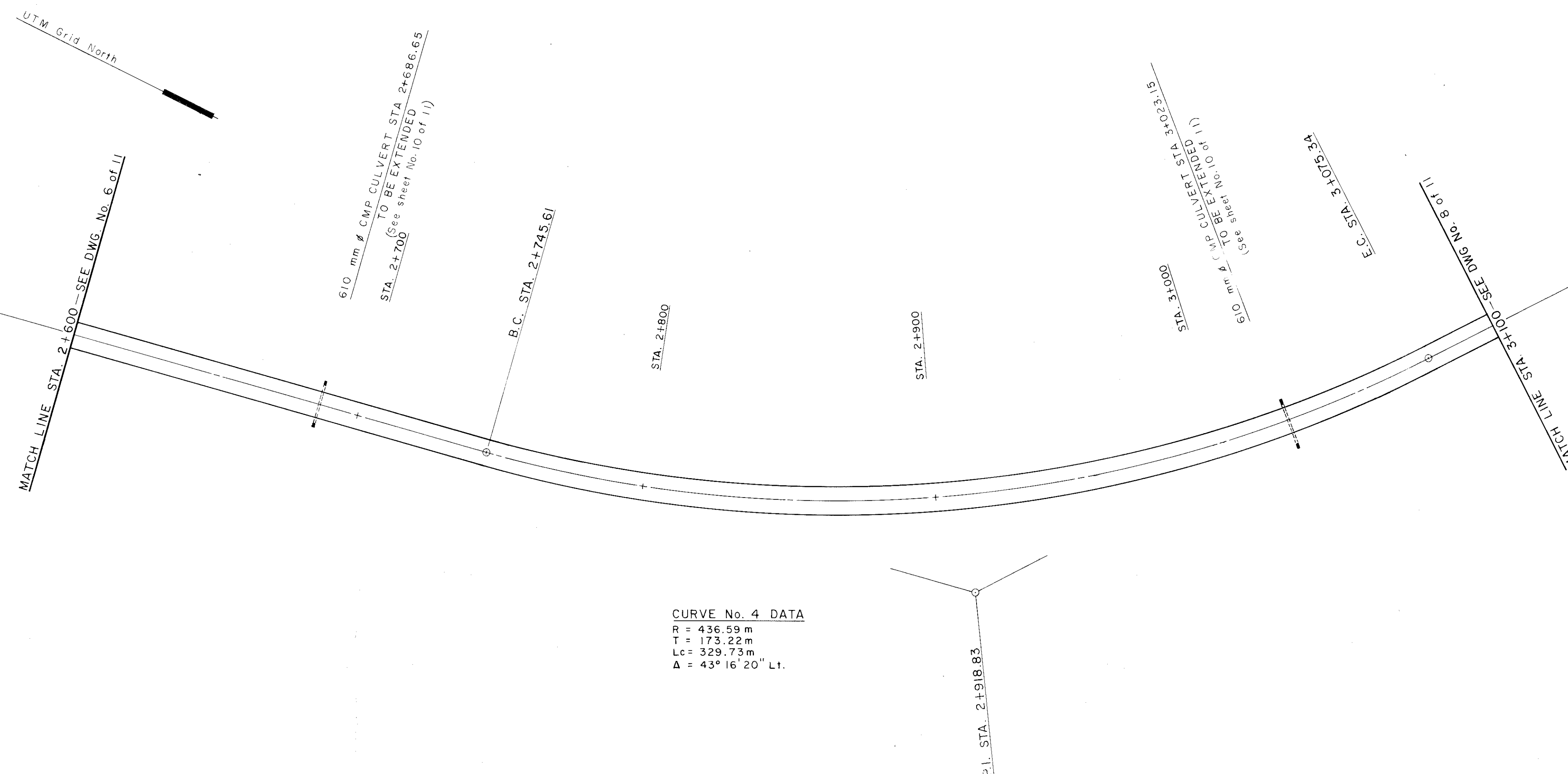
date

Tender [Signature] Soumission

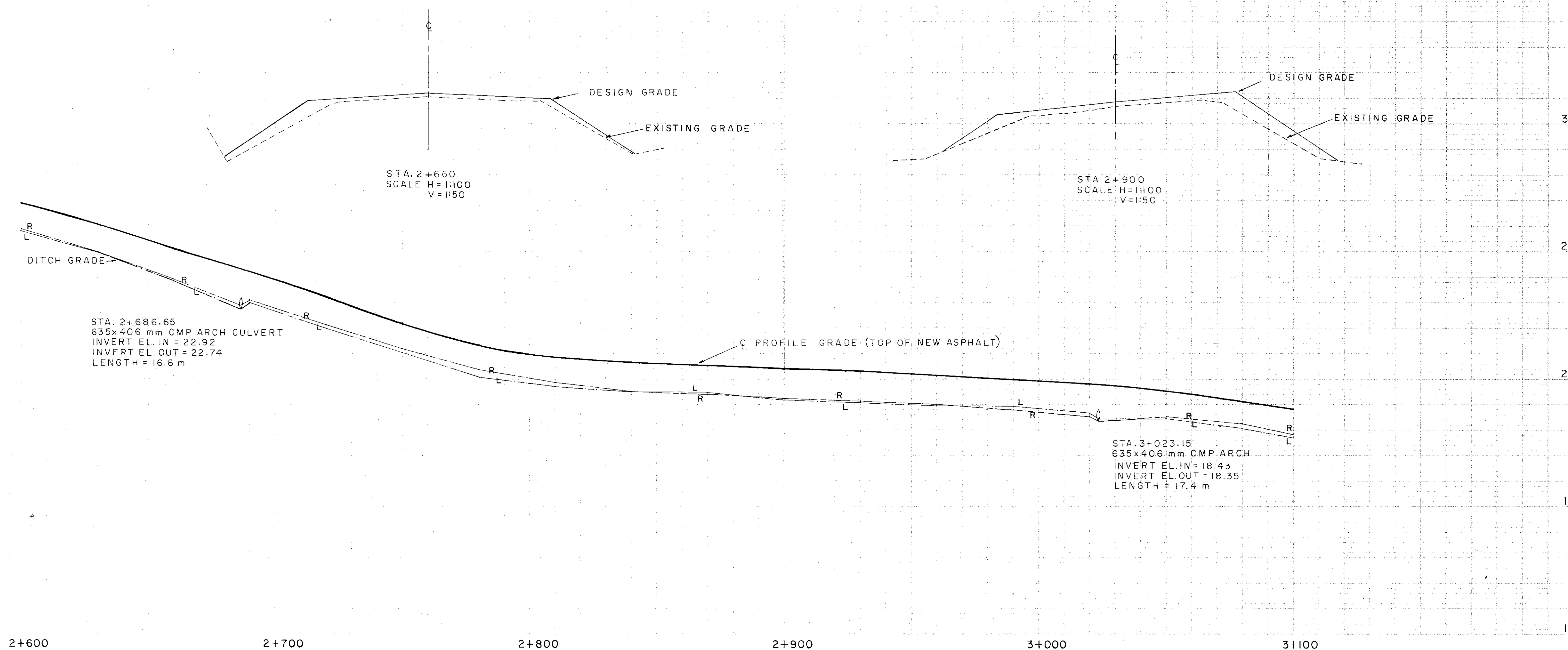
PWC Project Manager Administrateur de projets TPC

project number 657914 no. du projet

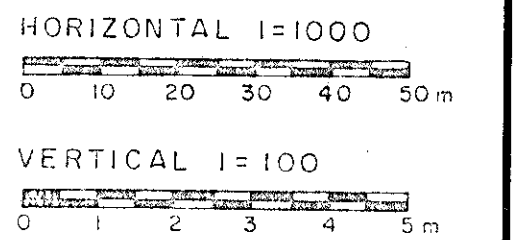
drawing no. 7 of 11 no. du dessin



CURVE No. 4 DATA
R = 436.59 m
T = 173.22 m
Lc = 329.73 m
Δ = 43° 16' 20" Lt.



SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- EXISTING CULVERT WITH NEW END SECTION
- ✦ WELL
- OVER HEAD LIGHT
- COVER FOR SEWAGE TANK
- ENERGY ATTENUATOR
- BUILDING

revisions date

A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B
	C drawing no. dessin no.	C

project
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing
dessin
PLAN & PROFILE
STA. 3+100 to
STA. 3+700

designed
compu

date
Margaret Grant April 89

drawn
dessiné

date
Margaret Grant April 89

reviewed
examiné

date
09/04/89

approved
approuvé

date

Tender
Soumission

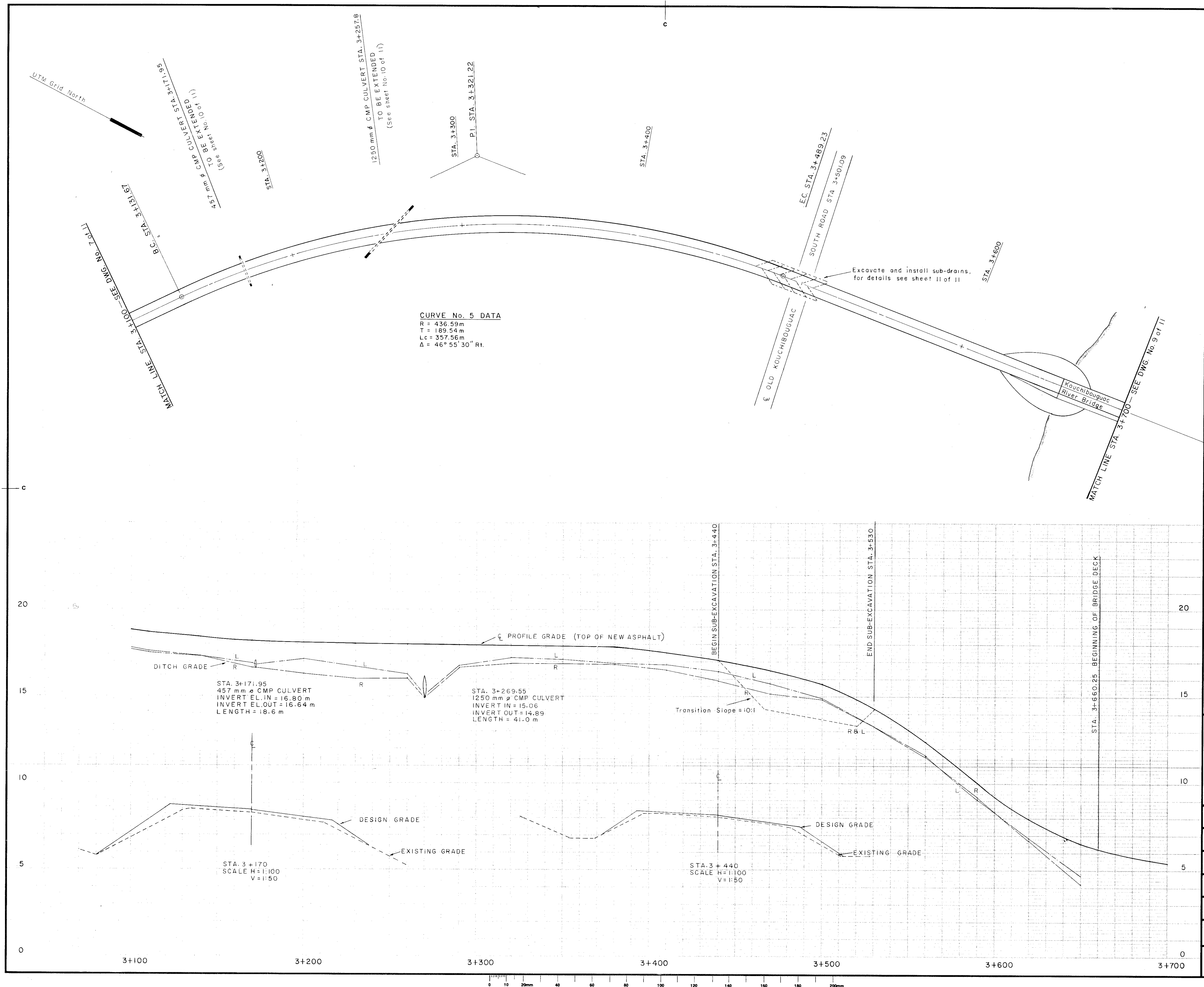
PWC Project Manager
Administrateur de projets TPC

project number
no. du projet

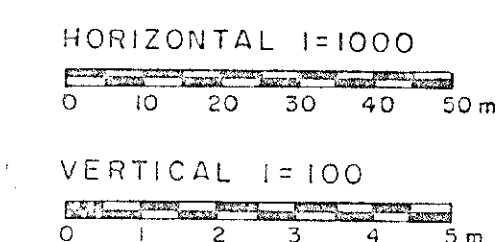
657914

drawing no.
no. du dessin

8 of 11



SCALES



LEGEND

- DITCH GRADE RIGHT SIDE
- DITCH GRADE LEFT SIDE
- ===== EXISTING CULVERT WITH NEW END SECTION
- + WELL
- o OVER HEAD LIGHT
- o COVER FOR SEWAGE TANK
- ENERGY ATTENUATOR
- BUILDING

revisions date

A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing dessin

PLAN & PROFILE
STA. 3+700 to
STA. 4+250

designed conçu

date Marguerite Grant April 89

drawn dessiné

date Marguerite Grant April 89

reviewed examiné

date 03/04/97

approved approuvé

date

Tender Soumission

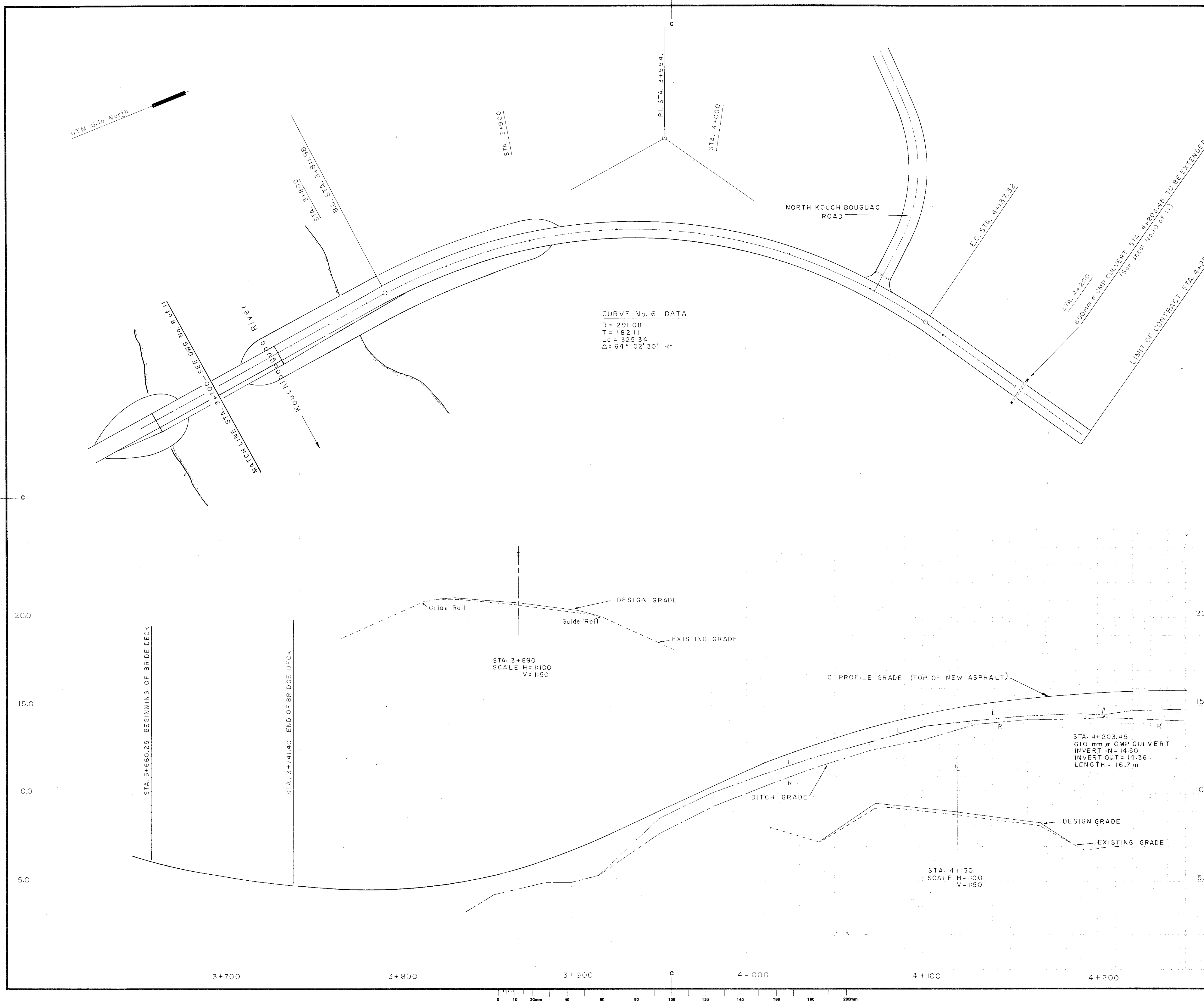
PWC Project Manager Administrateur de projets TPC

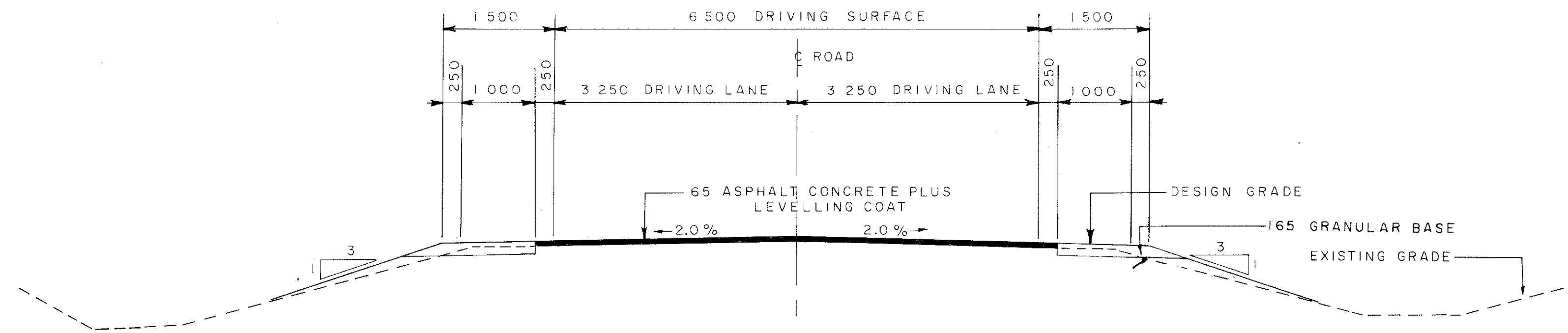
project number no. du projet

657914

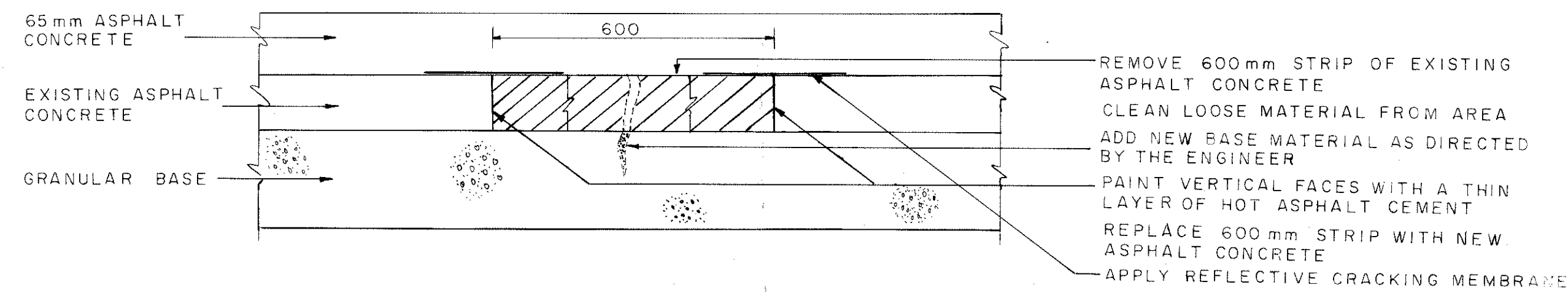
drawing no. no. du dessin

9 of 11

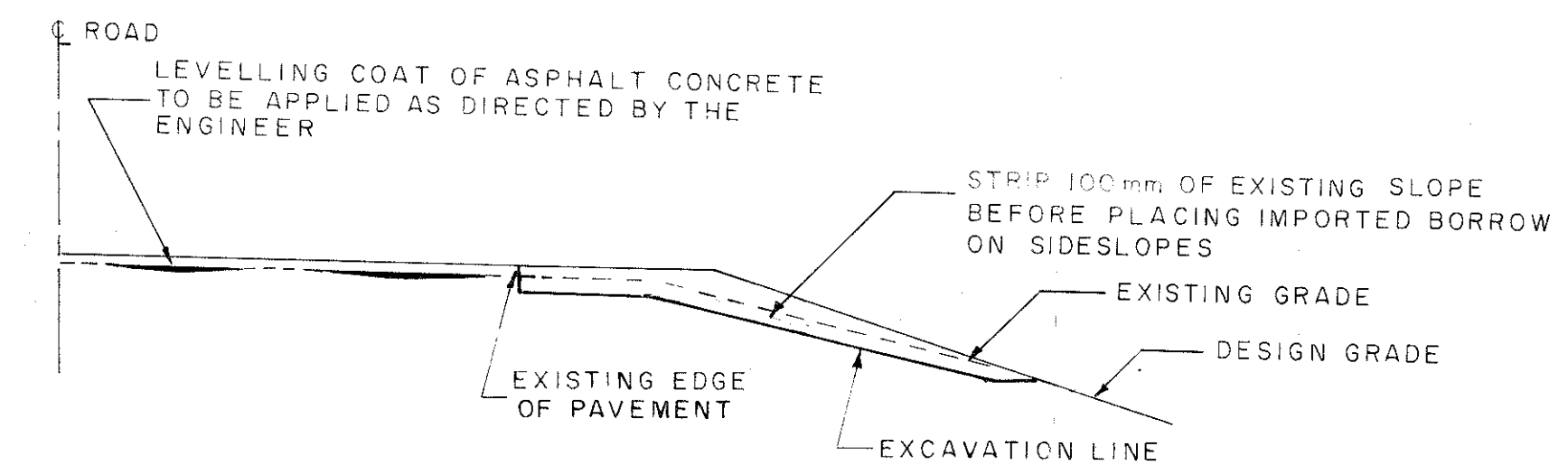




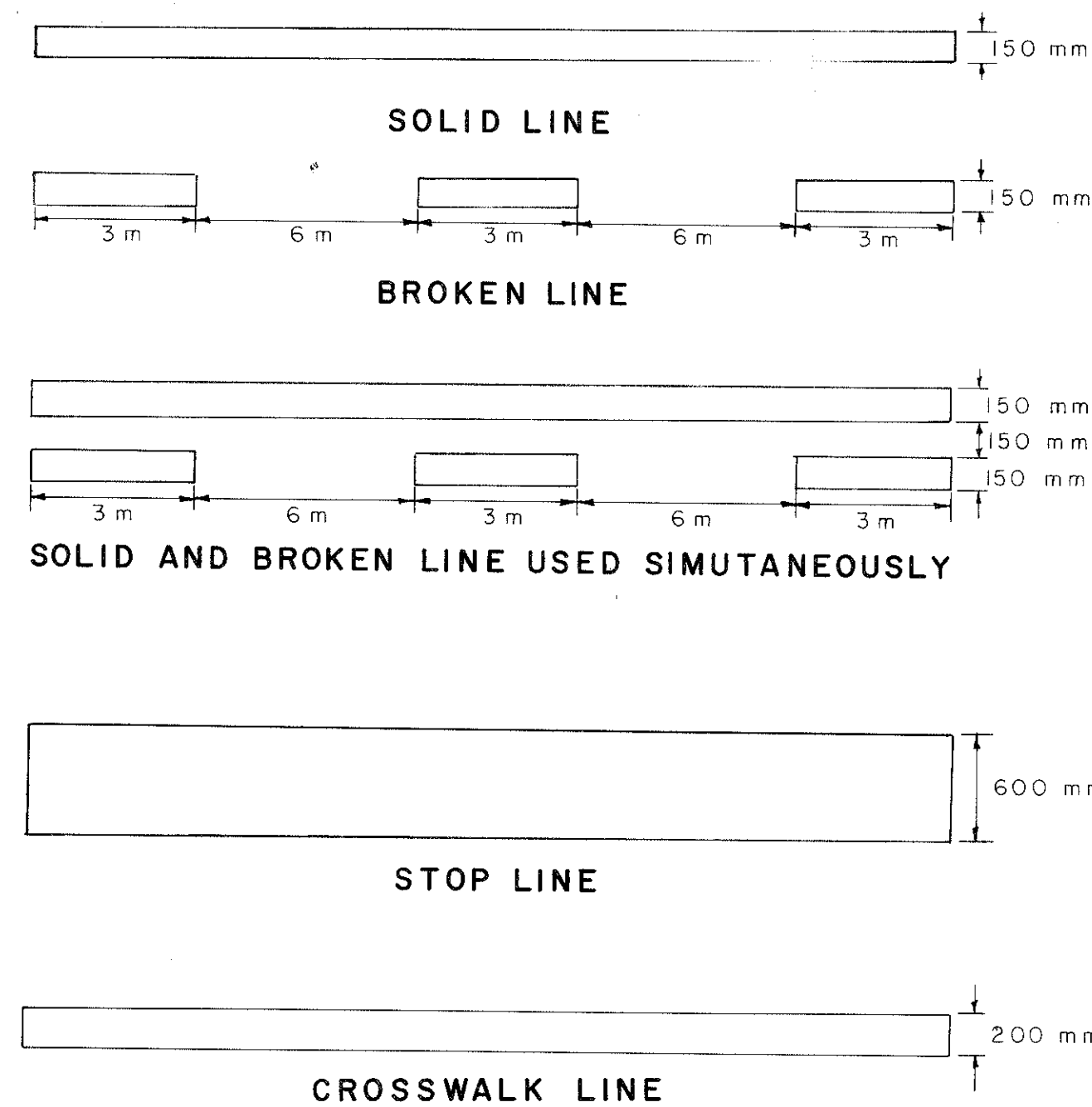
TYPICAL SECTION
SCALE=1:50



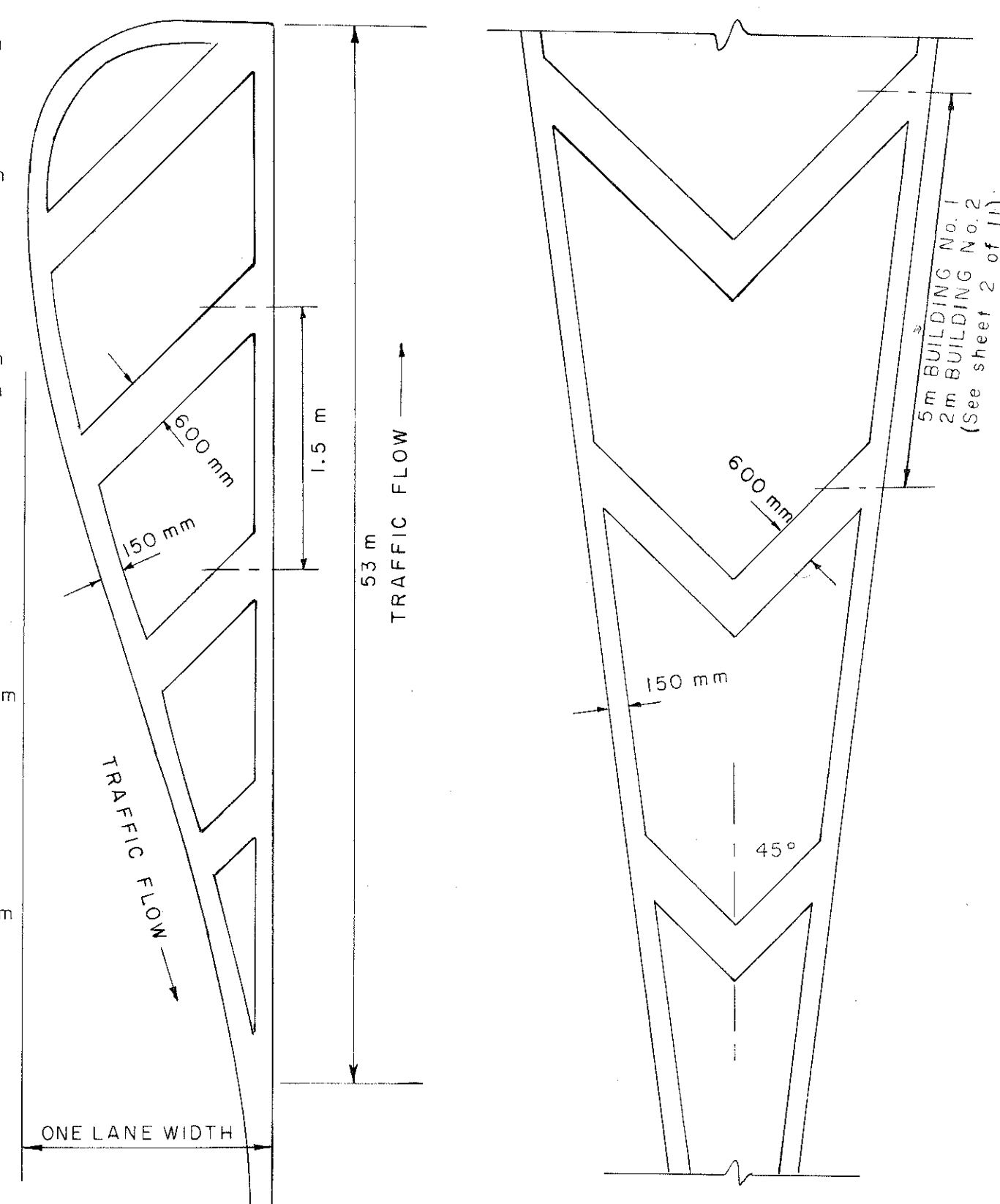
MAJOR CRACK REPAIR
NOT TO SCALE



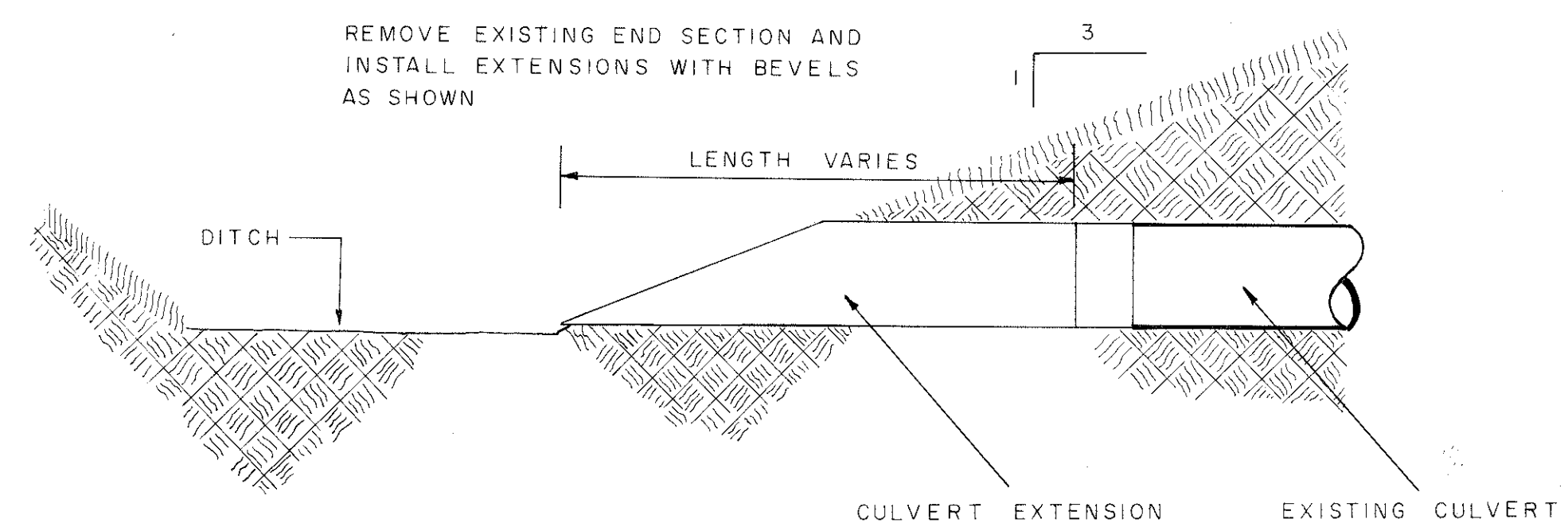
**TYPICAL HALF SECTION SHOWING
LEVELLING COAT AND SIDESLOPE EXCAVATION**
SCALE = 1:50



HIGHWAY LINE MARKINGS
NOT TO SCALE



TYPICAL PAVEMENT MARKING DETAILS AT WIDENING AREAS
NOT TO SCALE



CULVERT EXTENSIONS
NOT TO SCALE

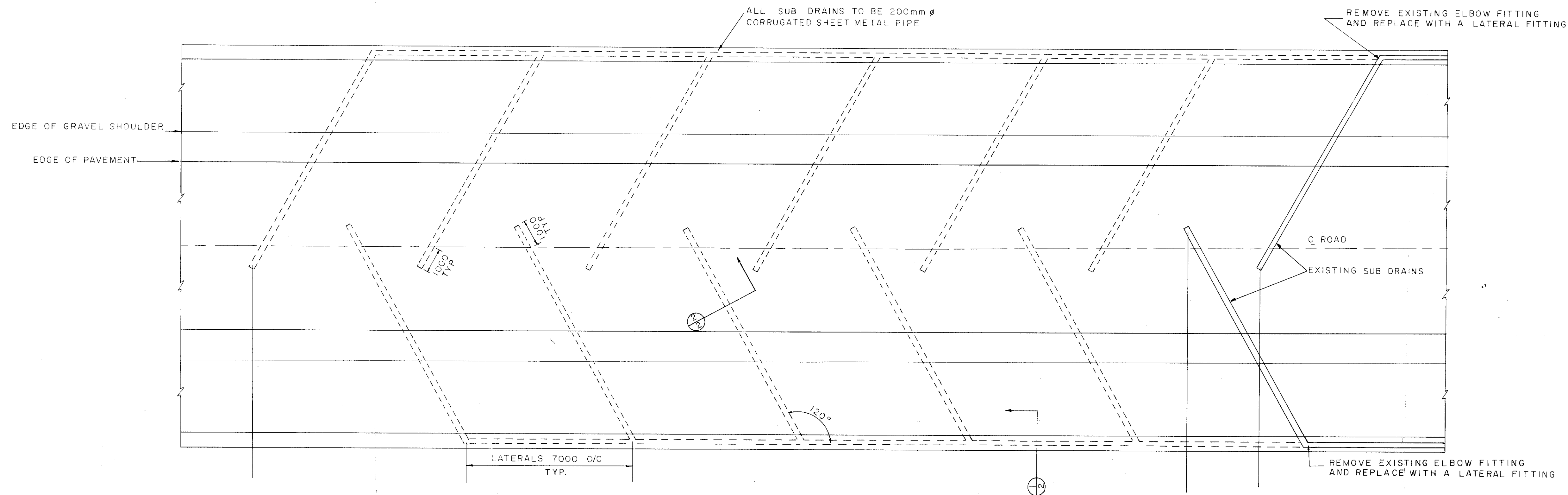
revisions	date
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A	A detail no. no. du détail
B	B location drawing no. sur dessin no.
C	C drawing no. dessin no.

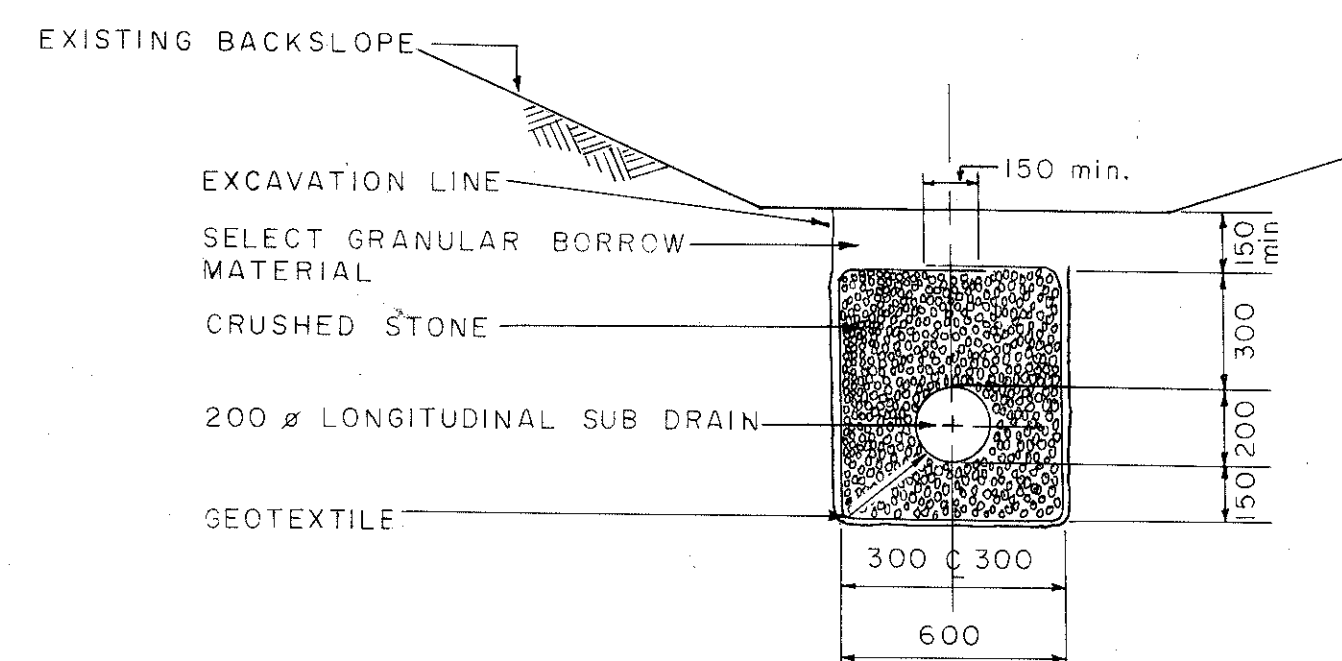
project
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
**KOUCHIBOUGUAC
NATIONAL PARK**
KENT CO., NEW BRUNSWICK

drawing
**TYPICAL SECTION
AND DETAILS**

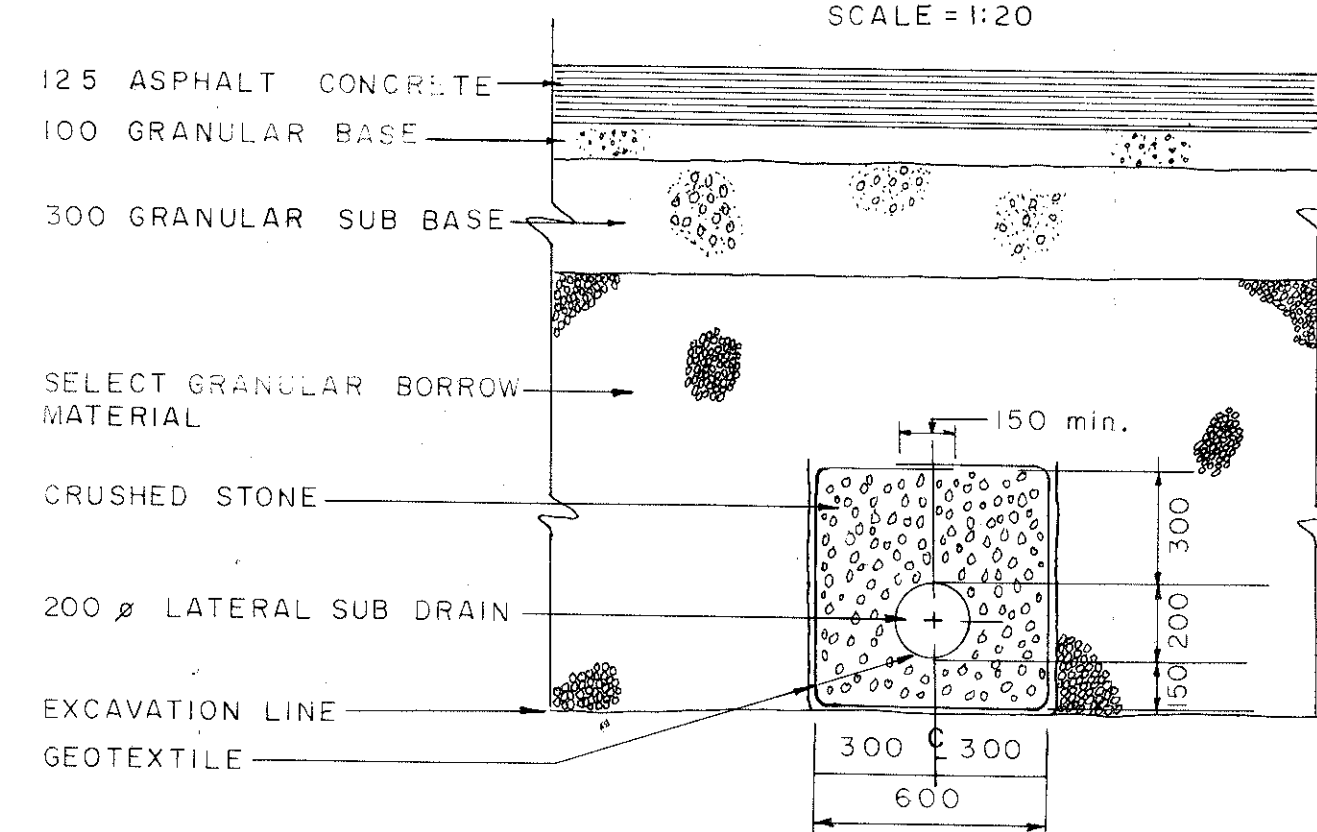
designed	conçu
date	89/04/17
drawn	dessiné
date	89/04/17
reviewed	examiné
date	89/04/17
approved	approuvé
date	
Tender	Submission
PWC Project Manager	Administrateur de projets TPC
project number	no. du projet
657914	
drawing no.	no. du dessin
10 of 11	



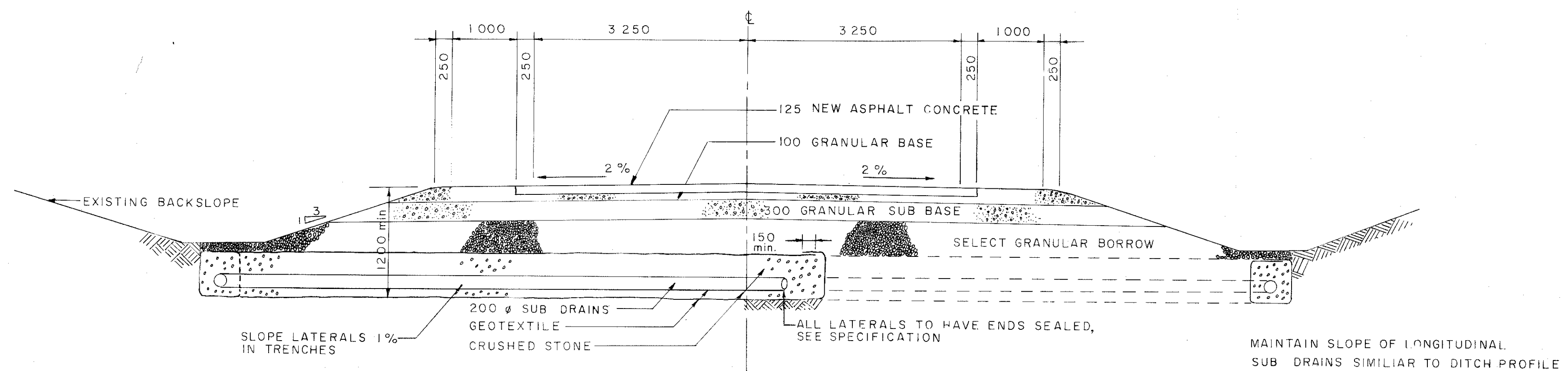
PLAN SHOWING AREA TO BE EXCAVATED
SCALE = 1:100



SECTION 1
SCALE = 1:20



SECTION 2
SCALE = 1:20



SECTION SHOWING DITCHING AND EXCAVATION
SCALE = 1:50

revisions date

A detail no. no. du détail
B location drawing no. sur dessin no.
C drawing no. dessin no.

project projet
HWY. 117 STRENGTHENING
Km. 0.00 to 4.25
KOUCHIBOUGUAC
NATIONAL PARK
KENT CO., NEW BRUNSWICK

drawing dessin
SUB DRAIN DETAILS

designed conçu
date Margaret Grant April 89
drawn dessiné
date Margaret Grant April 89
reviewed examiné
date Clifford McNeil 09/09/17
approved approuvé

Tender Soumission
PWC Project Manager Administrateur de projets TPC
project number no. du projet
657914

drawing no. no. du dessin
11 of 11