REMOVAL & DISPOSAL OF PRESENT GUARD RAIL
LT. RT.
190+82 - 191+07
191+01 - 191+16
191+23 - 191+48
191+37 - 191+54

DRILLING & BLASTING OF SOLID ROCK SUB-GRADE
~~182+00 - 185+00~~
~~187+00 - 189+00~~
173+46 - 184+70
187+34 - 189+02

~~THREE CABLE GUARD RAIL WITH STEEL POSTS~~
~~LT.~~ ~~RT.~~
~~190+52 - 191+48~~ ~~178+00 - 182+00~~

INNAC.
P.I. 184+17.5
184+00.2

POST 182+42.1
Δ 14°14' RT.
WOOD GUIDE POSTS
176+00 - 176+50 RT
181+67 - 183+61 RT

POST 185+11.9
Δ 22°40' RT.

B.M. 19-A
Elev. 1341.32

Δ 90°53' LT.
D 14°
R 410.3'
T 415.6'
L 649.2'
E 174.0'
BANK 1/2" PER FT

Δ 16°42' LT.

TWO CABLE GUARD RAIL
LT. 190+38 - 191+45
RT. 176+58 - 181+52
183+74 - 192+00

189+56 15" CMP 86° RT. REMOVE

190+50 NEW 9'-9" x 6'-7" x 90'-0" CORR GALV METAL PLATE PIPE ARCH @ 4'-10" LT
SEE SHEET 52 OF 191

BRIDGE NO. 7
POC. 191+11.0 =
CHANNEL LINE
0+50.0
Δ 72° - 30' LT
(SIGHT POC. 191+50.0)

Δ 21°49' LT.
D 10°
R 573.7'
T 110.6'
L 218.2'
E 10.5'
BANK 1/2" PER FT

P.C. 176+18.94

P.T. 178+07.6

177+10 ASKEW 61° - 30' LT
NEW 18"x 44" ACCEPT 5.50 LT @ INLET
CONSTRUCT INLET DITCH

~~STEEL GUARD RAIL~~
~~NEW 18"x 44" ACCEPT 5.50 LT @ INLET~~
~~CONSTRUCT INLET DITCH~~
~~REMOVE EXIST. INLET & COVER~~

~~B.M. 18~~
~~ELEV. 1279.71~~

BM 18-A
Elev. 1286.27

P.I. 178+00.0 =
177+97.0

181+02 ASKEW 70° LT
NEW 18"x 44" ACCEPT 4.50 LT @ INLET

~~REMOVE EXIST. GUARD RAIL~~
~~REMOVE EXIST. INLET & COVER~~
~~CONSTRUCT INLET DITCH~~
~~NEW 18"x 44" ACCEPT 4.50 LT @ INLET~~

P.C. 181+78.0

Δ 36°54' RT.
D 8°
R 716.8'
T 239.1'
L 461.3'
E 38.8'
BANK 1/4" PER FT

P.T. 186+39.5

~~B.M. 19~~
ELEV. 1335.42

UNCLASSIFIED CHANNEL EXCAVATION
176+00 - 176+25 RT
176+50 - 177+50 RT
178+50 - 182+50 RT
183+50 - 192+00 RT

STONE FILL FOR SLOPE PROTECTION
183+50 - 185+35 RT
188+50 - 189+50 RT
192+00 - 192+65 RT
189+75 - 190+11 RT.
190+33 - 191+59 RT.

FILL TO BE MADE WITH SOLID ROCK EXCAVATION
176+00 - 176+25 RT
176+50 - 177+50 RT
178+50 - 182+50 RT
185+35 - 187+25 RT

POST 188+46.4
Δ 52° 28' LT.

INNAC.
P.I. 191+00.6=
189+18.6

PRESENT ROAD PROFILE

+2.212%
+12.22%
+2.333%
+2.750%

179+75
250' V.C.
1287.42

183+50
500' V.C.
1333.25
NPSD 270'

177+00
300' V.C.
1281.00

176+00 - 177+50
13" BASE
50' BASE TRANSITION

177+50 - 185+00
16" BASE

185+00 - 187+00
50' BASE TRANSITION
13" BASE
50' BASE TRANSITION

187+00 - 189+00
16" BASE

189+00 - 190+00
100' TRANS. 16" - 46"

190+00 - 191+00
100' BASE 46"

191+00 - 192+00
100' TRANS. 46" - 13"

1340
1330
1320
1310
1300
1290
1280

1276.6 1277.1 1277.8 1279.2 1280.3 1281.7 1283.5 1285.3 1287.5 1290.5 1294.7 1299.8 1306.4 1312.3 1318.0 1323.8 1327.1 1331.3 1334.5 1335.5 1335.6 1335.7 1335.9 1336.5 1338.1 1338.4 1338.6 1342.6 1342.7 1343.6 1341.0 1341.0 1339.7 1345.5 1345.6 1346.7

+25 +50 176 +50 177 +50 178 +50 179 +50 180 +50 181 +50 182 +50 183 +50 184 +50 185 +35 +50 186 +50 187 +50 188 +50 189 +50 +56 190 +50 191 +20 +25 +50 192

BM 18-A S.I.R. 12" Yellow Birch 44' Rt. Sta. 177+80 Elev. 1286.27
~~B.M. 18 S.I.R. 12" YELLOW BIRCH 26' RT. STA. 177+595 ELEV. 1279.71~~

BM 19-A S.I.T. 12" Y Birch 35 Lt. Sta. 186+13 Elev. 1341.32
~~B.M. 19 S.I.R. 6" YELLOW BIRCH 34' RT. STA. 184+32 ELEV. 1335.42~~

LIST OF SHEETS BRIDGE NO. 7

PLAN & PROFILE SHEET	SHEET 28 OF 191
EARTHWORK SHEET	SHEET 14 OF 191
DETAILS OF 9'-9" x 6'-7" C.G.M.P.P.A.	SHEET 52 OF 191
ROADWAY CROSS-SECTIONS	SHEET 146 OF 191
CHANNEL CROSS-SECTIONS	SHEET 188-89 OF 191
REINFORCING STEEL DETAIL SHEET	SHEET 55 OF 191

ESTIMATED QUANTITIES BRIDGE NO. 7

FINAL	ITEM NO	DESCRIPTION	UNIT	QUAN.
264	106-C	UNCLASSIFIED CHANNEL EXCAVATION (INCL. 10% OVERRUN)	C.Y.	290
271	107	STRUCTURE EXCAVATION (INCL. 10% OVERRUN)	C.Y.	298
90	222	GRAVEL BACKFILL	C.Y.	90
13	401-B	CONCRETE CLASS "B" (MOD) (INCL. 5% OVERRUN)	C.Y.	9
341	402	REINFORCING STEEL	LBS	341
1	429-B	9'-9" X 6'-7" X 90'-0" C.G.M.P.P.A. (27213#)	L.S.	1
1	442	REMOVAL OF PRESENT SUPERSTRUCTURE	L.S.	1
34	526	RIP RAP FOR BANK PROTECTION (INCL. 10% OVERRUN)	C.Y.	62

GRANVILLE S 157(8)
SHEET 28 OF 202

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