360 320 280 240 200 160 120 80 40 0 40 80 120 160 200 240 280 320 360

℄

W.S.C. Trans. Line.

Turning Basin – Port Robinson

Welland River 580 562.0±

Triple lap B.C.F. piling El. 571.0

582.0± W.T.E.

575.0± 196'.9

Water Level 569.0±

Con Profile

Original Surface

Stone Protn.

580

540

El. 541.0

Bottom of Stripping for W.T.E.

Canal Grade 541.5

Test hole. A.80. Plan 6015 on ℄ at 781+00

565.8		Surface.
565.8	to 561.6	Brown Clay "Third Canal Bank"
561.6	– 559.8	Soft Blue Clay "Gumbo"
559.8	– 557.8	Black Mold "some Clay"
557.8	– 550.0	Peat
550.0	– 548.9	Loose Gravel
548.9	– 548.5	" " with some Clay
548.5	– 539.2	Waxy Clay (Gumbo). bottom of Hole.

for detail notes of Test hole. see Plan 6015.

Station 780+00

Note. Rock at El. 489.0 (880' Left St. 780+00)

W.S.C. Trans Line

Canal Limits

Canal Limits

30' 73'.0 100'.0 100'.0 40' 55'

R'way

583.0±

Road from Bridge 12 to "Island"

580

571.0±

Water Level 569.0±

Stone Protn

Stone Protn

Canal Grade 541.5

540

Station 770+00

Note. Standard width of canal at Bottom is 200', at 25' depth below El. 568.0.

W.S.C. Trans. Line

← Port Robinson.

100' 97'-0 48' 18' 10.5

582.0

575.0

563.0

580

Water Level 569.0±

Con. Profile

Hyd Fill from Excn of Sec. 6

Rock Bank.

Part of Original 1st Canal Cut → To Welland River (1829)

Original Surface

Canal Grade 541.5

540

Station 760+00

Test Hole L.D.19. 150' R St. 766+50 Plan 5009 & N.°2.

585.2 Surface.

585.2 to 563.0 Stiff Brown Clay.

563.0 – 540.0 Soft Blue Clay

540.0 – 530.0 fine dry compact sand

530.0 – 511.0 Hard Pan. Water to El. 555.0

511.0 – 490.2 Gravel "H.P." mostly Gravel

490.2 Hard Grey Rock.

Note. above hole at Bridge 12 Crossing.

W.S.C. Trans Line

← Port Robinson.

97'.0 97'.0 48' 18' 10.5

Canal Limits

582.0

575.0

563.0

580

Stone

Water Level 569.0±

Con. Profile

Grade 541.5

540

no test hole near this Station.

Station 750+00

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240 280 320

℄

WELLAND SHIP CANAL

TYPICAL SECTIONS OF CANAL PRISM

SCALE 40' = 1"

C-847-13