

Issue for Tender
July 8, 2009

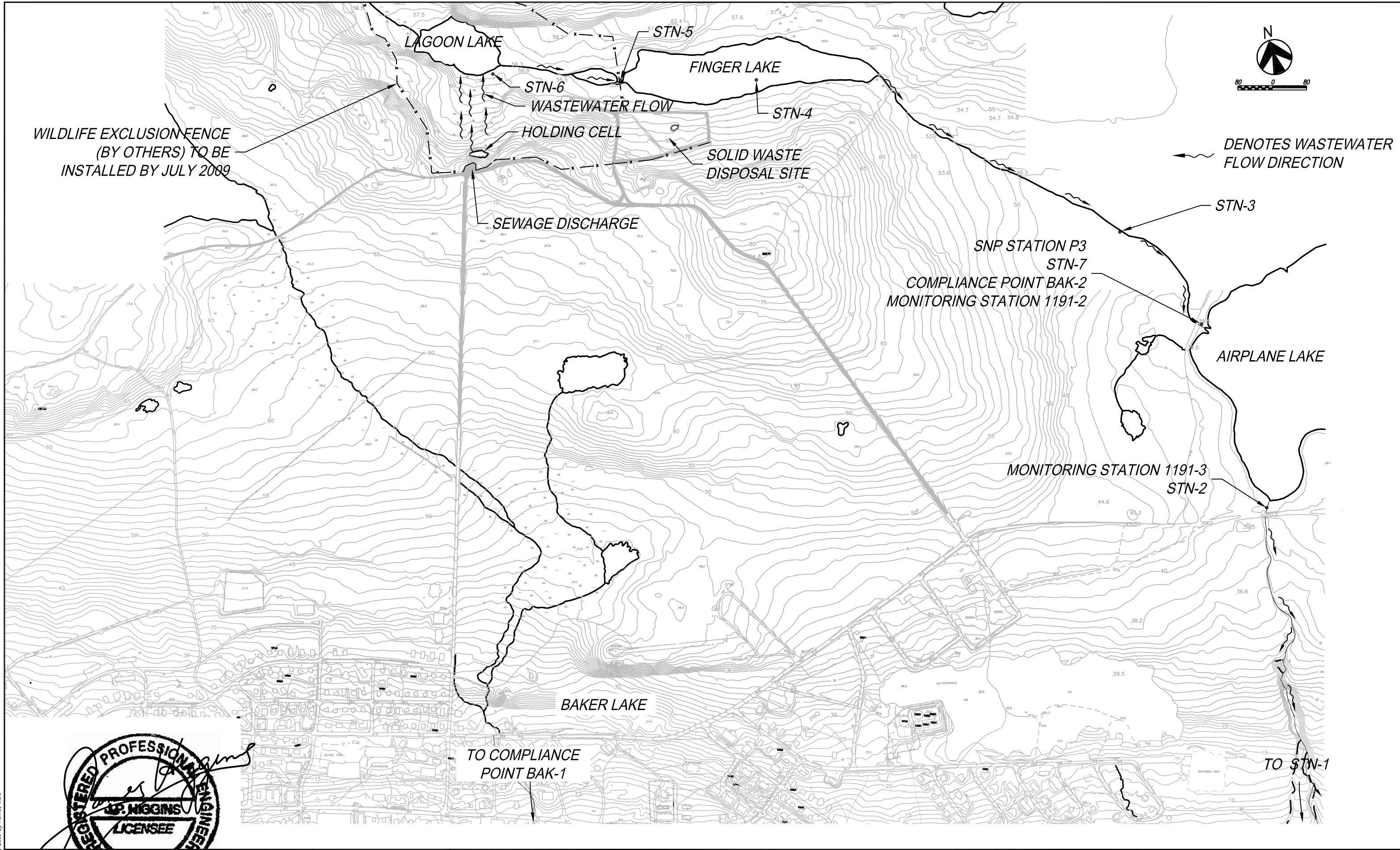


Drawing List

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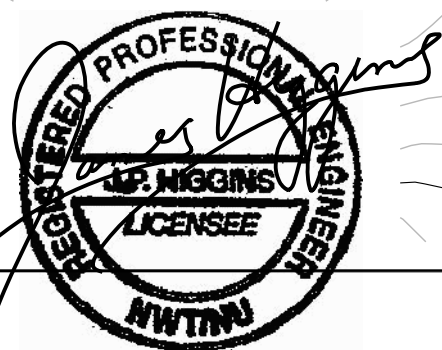
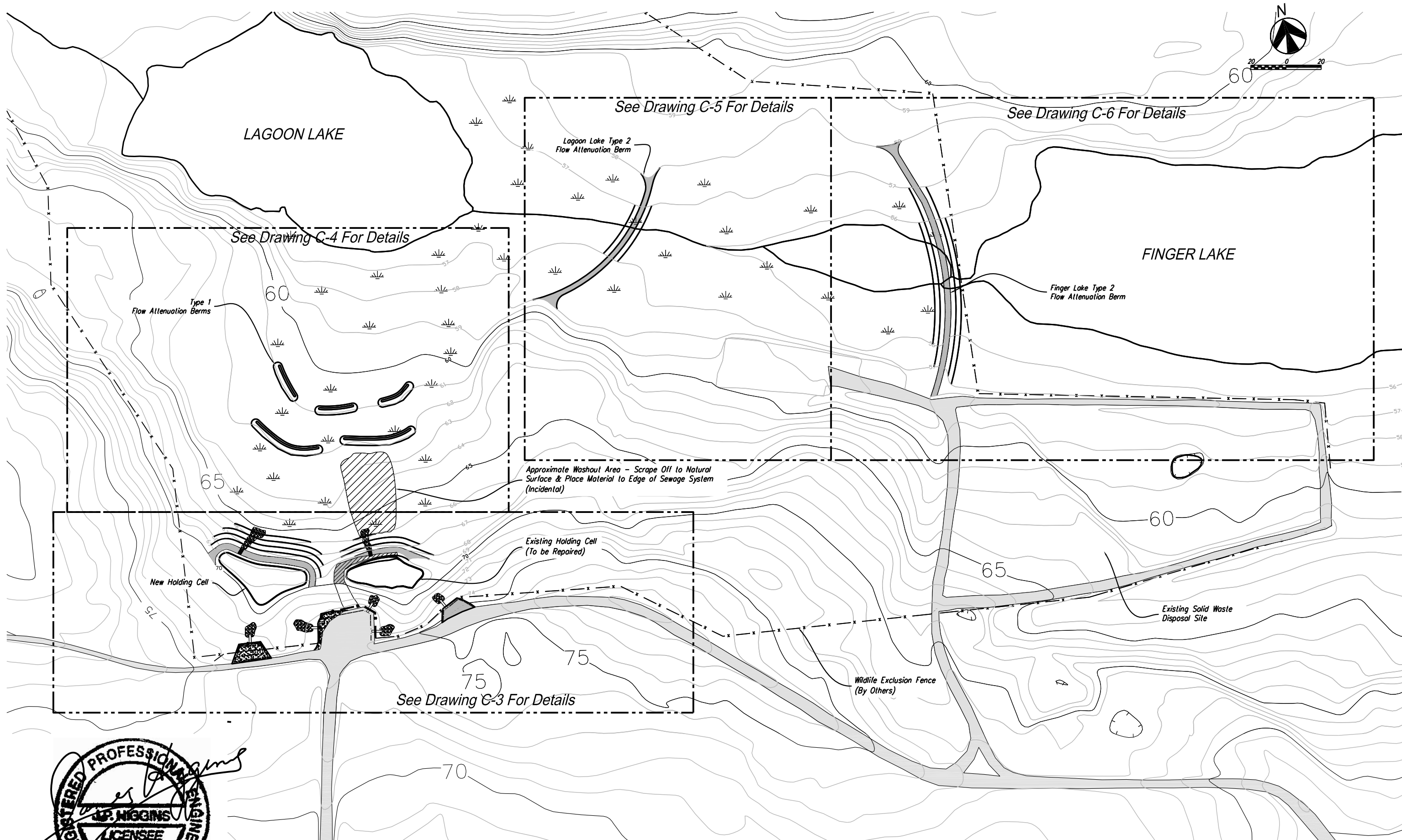
5	7/8/09	Issue for Tender
4	5/15/09	Issue for 100% Design
3	3/10/09	Issue for 50% Design
Rev	Date	Description

GOVERNMENT OF NUNAVUT
DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES
BAKER LAKE SEWAGE SYSTEM
IMPROVEMENTS
QAMANI'TUAQ, NUNAVUT

Site Plan
Existing Conditions

C-1

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**BAKER LAKE SEWAGE SYSTEM
IMPROVEMENTS**
QAMANI'TUAQ, NUNAVUT

Site Plan
Sewage System Improvements

C-2
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Plot Date: 8 July 2009 By: Haniel, Marc

Holding Cell Outlet Riprap 30 m³ - 300mmØ
See Detail D on Sheet C-8
Typical 2 Places

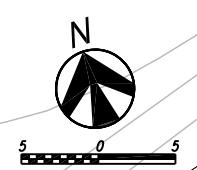
Note:
Construct Holding Ponds in Phases so One (1) Cell is Always in Service.
Pump Contents of Existing Holding Cell to New Holding Cell Prior to Repair Work.

New Holding Cell Berm (72 m Long at Top)
Top of Berm Elevation 70.0
See Berm Cross Section A Detail On Sheet C-7

Repair Method One:
Existing Berm on North End to be Excavated to
Bedrock or Elevation 68.0 - Suitable Salvaged
Material May be Used for Berm Construction

Repair Method Two:
Widen Existing Berm on North End Then Excavate
Interior - Suitable Salvaged Material May be Used
for Berm Construction

Repaired Holding Cell Berm (50 m Long at Top)
Top of Berm Elevation 69.0
See Berm Cross Section A Detail On Sheet C-7



E=1106.9556 N=828.3101

Outlet - Elevation 68.7
See Detail D on Sheet C-8

Existing Holding Cell
(To Be Repaired)

Outlet - Elevation 69.7
See Detail D on Sheet C-8

New Holding Cell

E=992.1320 N=828.5932

Traffic Barrier Stop Logs
Typical - See Detail C on
Sheet C-8

E=1049.6554 N=812.0945

2 Ballards - Typical 5 Places
See Detail B on Sheet C-8

15 m³ Riprap - 300mmØ
Typical 5 Places

Furnish and Install
22 Meters of Wildlife
Exclusion Fence

Wildlife Exclusion Fence
(By Others)

Gate (By Others)

Furnish and Install
65 Meters of Wildlife
Exclusion Fence

Existing Sewage Truck
Discharge Area

Cut Hole in Fence to Allow Spillway
(Incidental)

Concrete Discharge Spillway
Typical 5 Places
See Detail A on Sheet C-8

Construct New Sewage
Truck Discharge Area With
Gravel - Slope Away From
Road at 2% slope

Expand Sewage Truck Discharge
Area With Gravel



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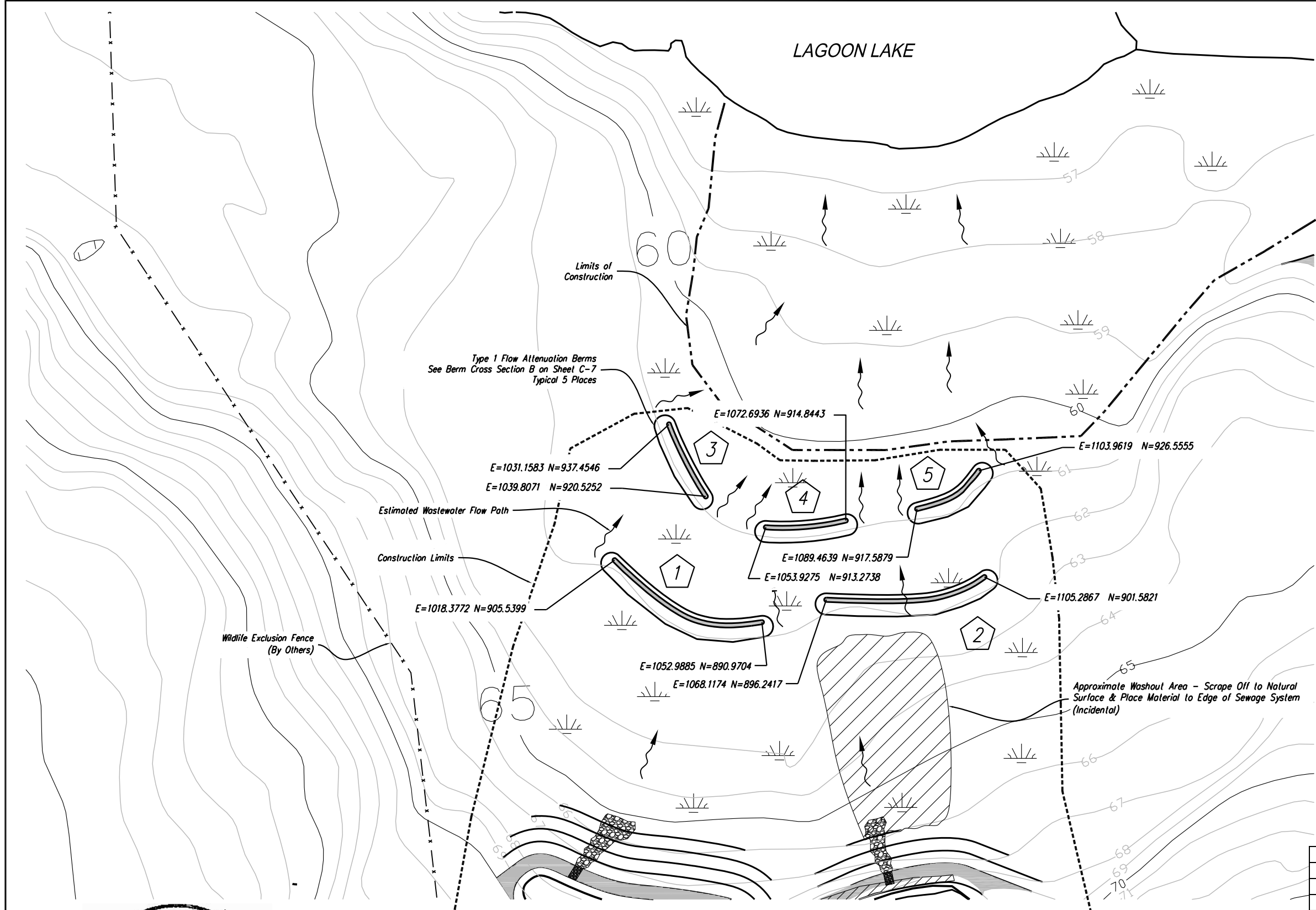
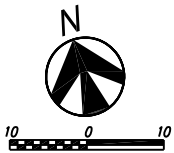
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**BAKER LAKE SEWAGE SYSTEM
IMPROVEMENTS**
QAMANI'TUAQ, NUNAVUT

**Truck Discharge & Holding Pond
Layout**

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Plot Date: 8 July 2009 By: Heneel, Marc



Notes:
1. Contractor Shall Fill in Tire Ruts From Construction Activity Within Tundra Wetland System (Incidental)

Berm Table				
Berm	Top Elevation	Up Toe Elevation	Down Toe Elevation	Top of Berm Length
1	62.0	61.8	61.3	40.0
2	62.0	61.8	61.3	40.0
3	61.0	60.8	60.3	20.0
4	61.0	60.8	60.3	20.0
5	61.0	60.8	60.3	20.0

All Elevations in Meters



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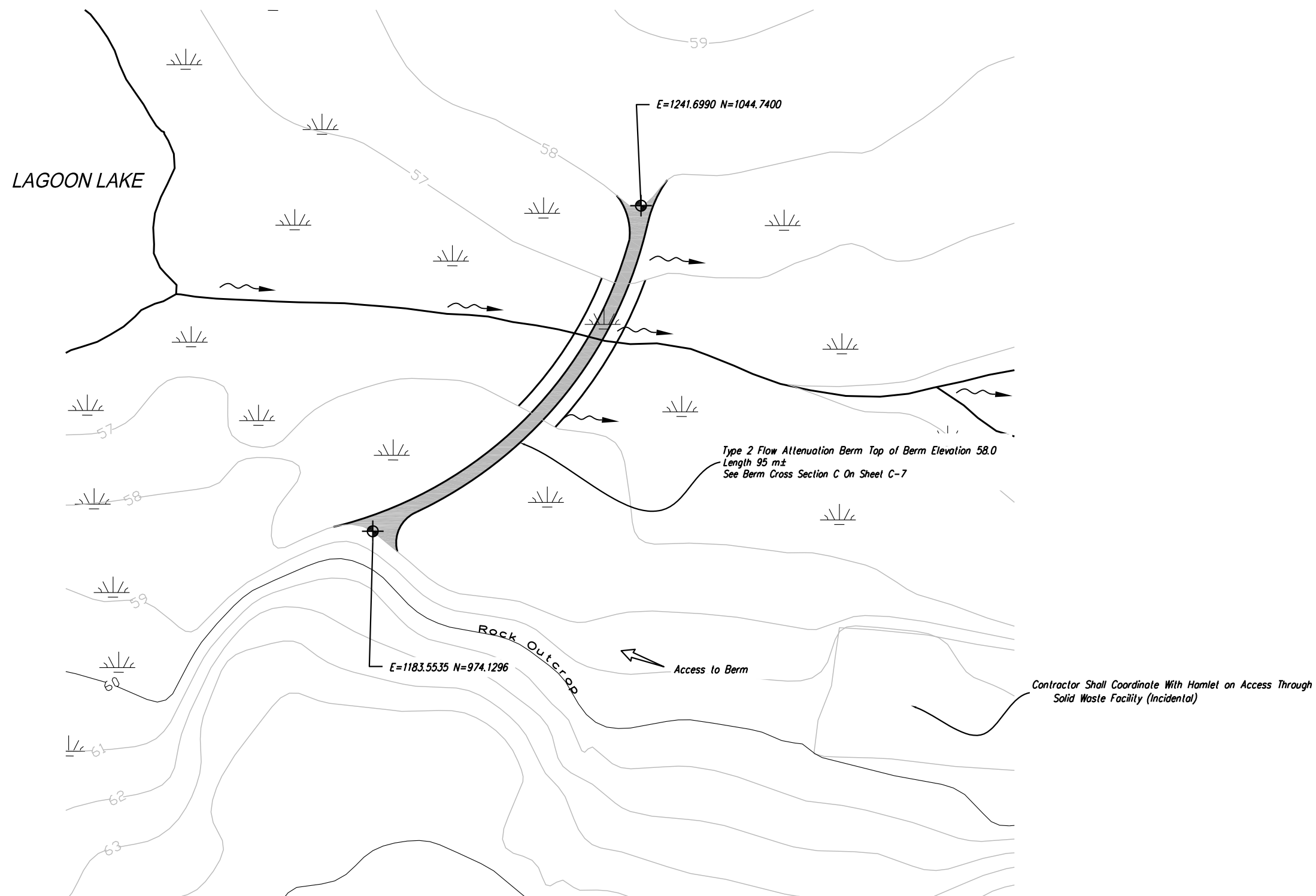
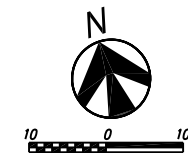
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Type 1
Flow Attenuation Berms Plan

C-4

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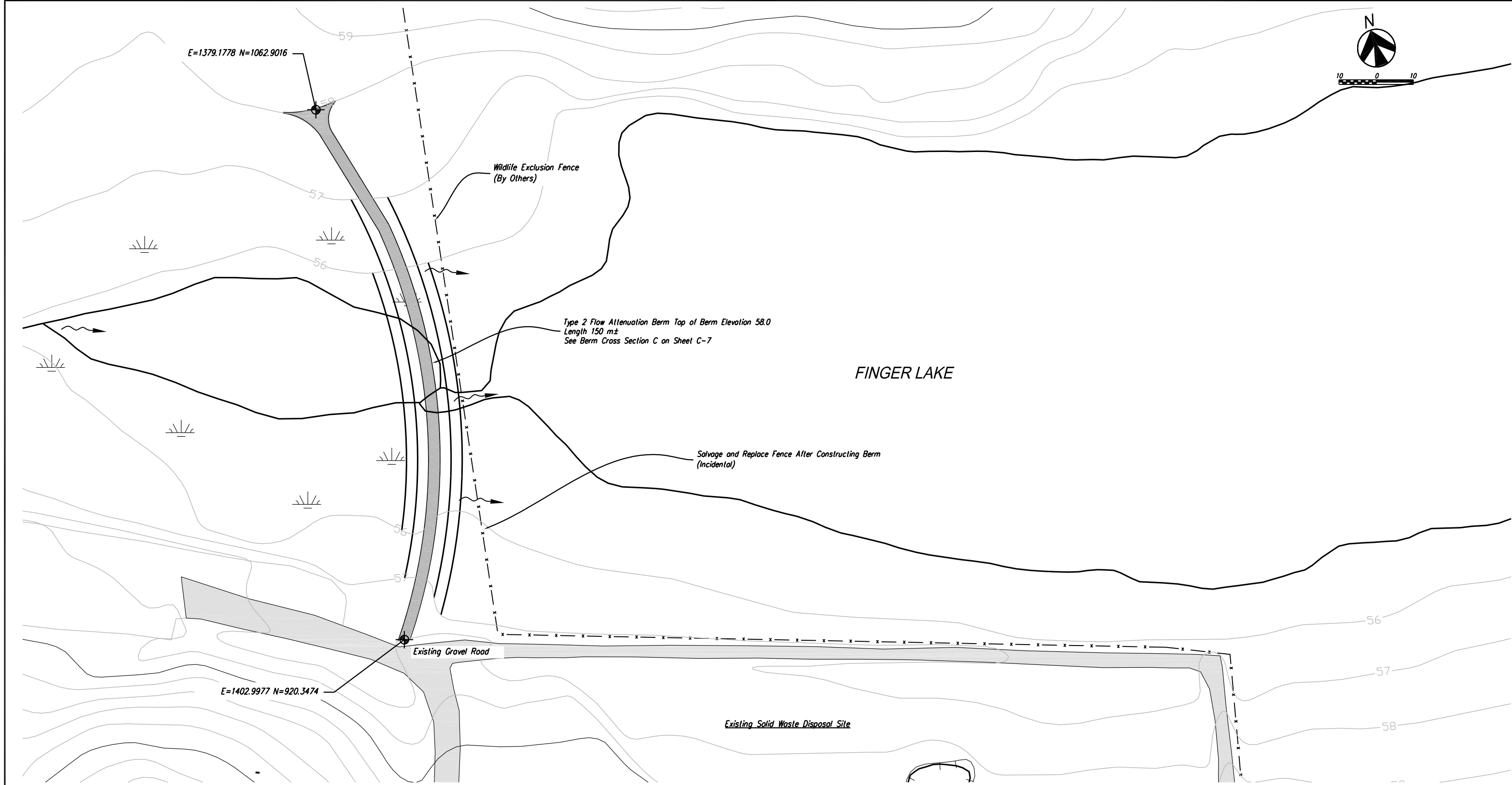
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Type 2 Lagoon Lake
Flow Attenuation Berms Plan

C-5

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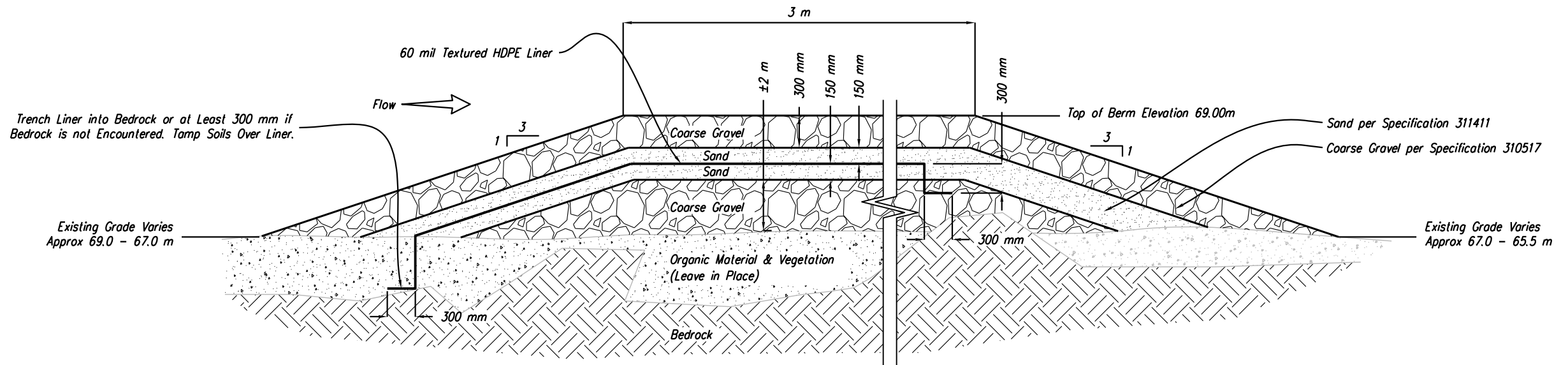
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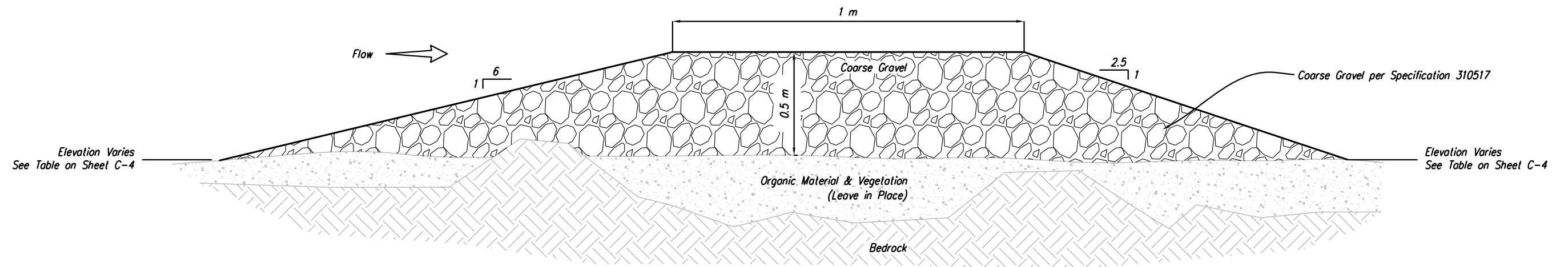
Type 2 Finger Lake
Flow Attenuation Berms Plan

C-6
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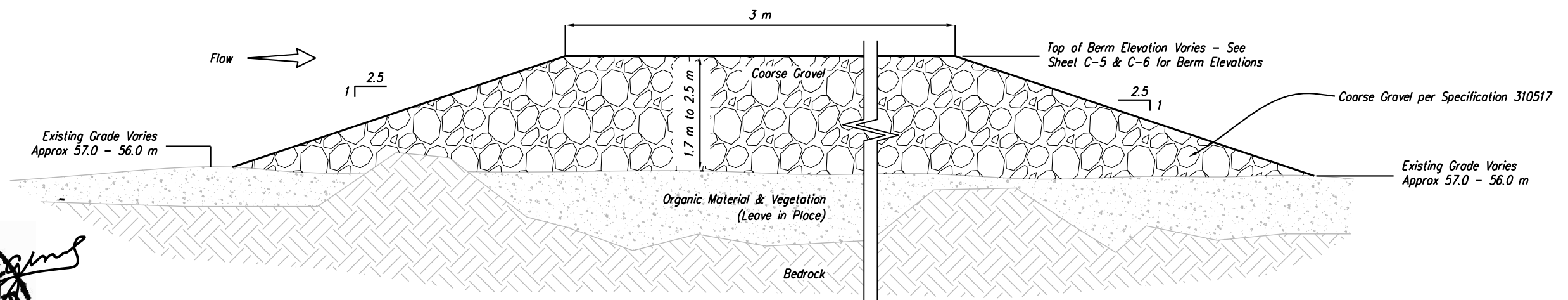
Plot Date: 8 July 2009 By: Haniel, Marc



Holding Cell Berm Cross Section - A
Scale: None



Typical Flow Attenuation Berm (Type 1) Cross Section - B
Scale: None



Typical Flow Attenuation Berm (Type 2) Cross Section - C
Scale: None



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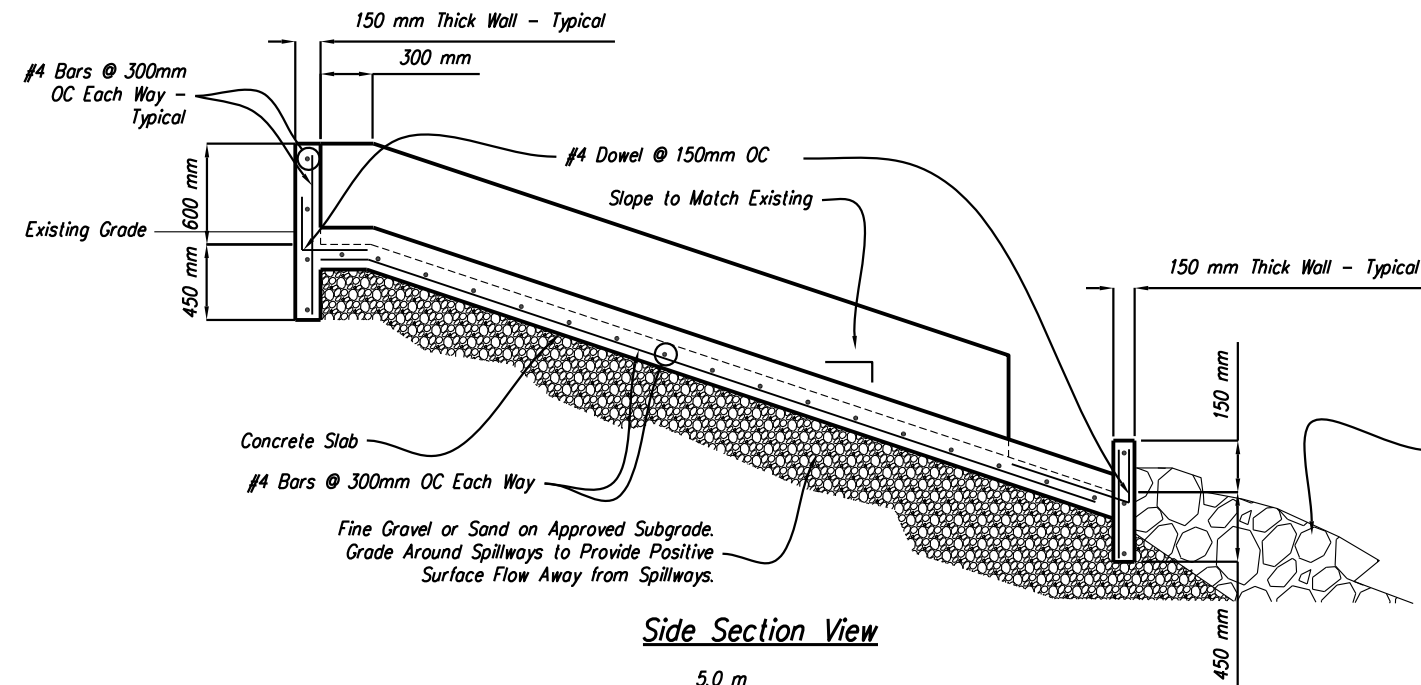
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QAMANI'TUAQ, NUNAVUT

Berm Cross Sections

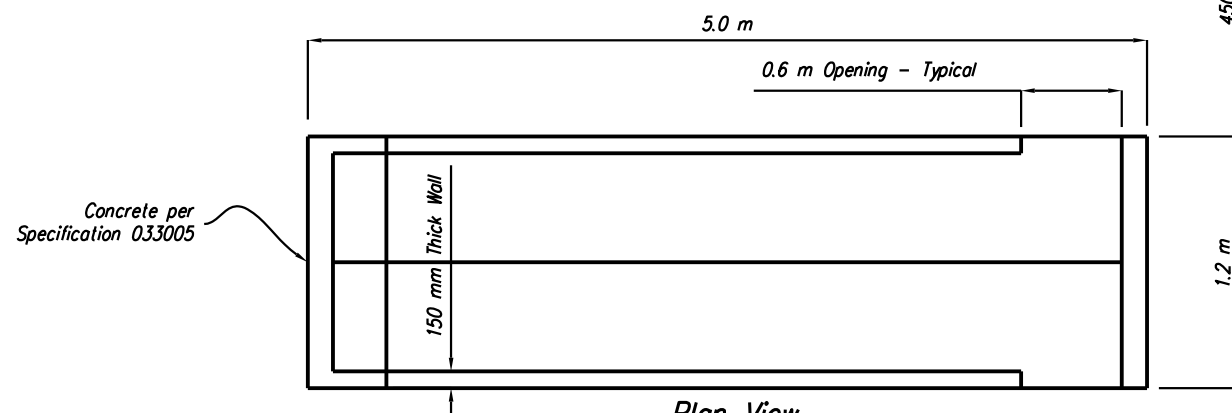
C-7

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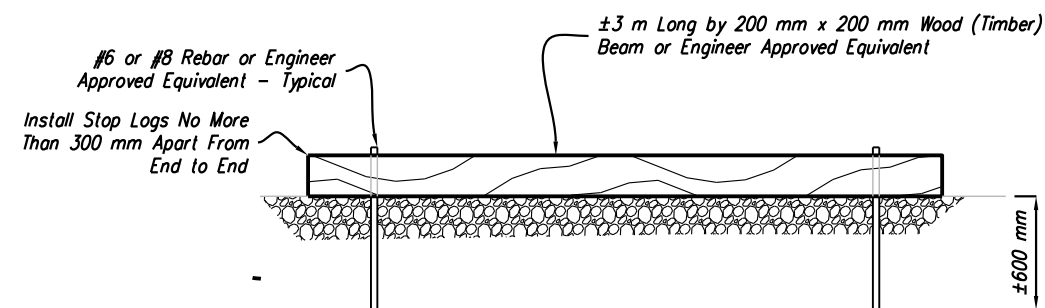


Side Section View

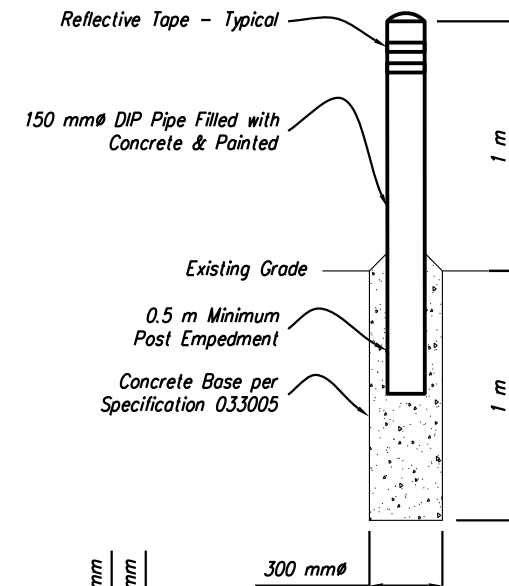


Plan View

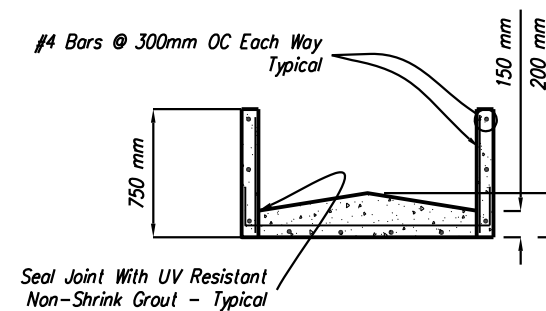
Detail A - Concrete Discharge Spillway



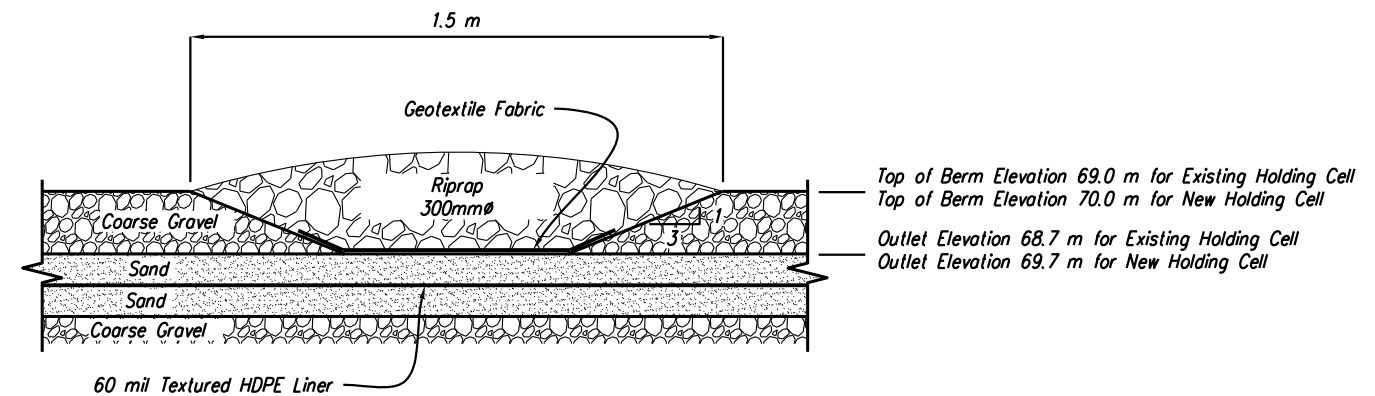
Detail C - Traffic Barrier Stop Log



Detail B - Bollard



Cross Section View



Detail D - Holding Cell Berm Outlet



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Details

C-8

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