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KATIMAYINGI

kNK5 wmoEp5 vtmpq  
NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN

## WATER LICENCE APPLICATION FORM

Application for: (check one)

☒ **New**    ☐ **Amendment**    ☐ **Renewal**    ☐ **Assignment**

### LICENCE NO:

(for NWB use only)

#### 1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

**Mosher Engineering Limited,  
1869 Upper Water Street, Suite AH202  
Halifax, NS B3J1S9**

Phone: 902-429-0272  
Fax: 902-429-7762  
e-mail: [marc@mosher.ca](mailto:marc@mosher.ca)

#### 2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
e-mail: \_\_\_\_\_

#### 3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)

**See attached appendix A**

Latitude: 62°48' N      Longitude: 92°04' W      NTS Map No. \_\_\_\_\_ Scale \_\_\_\_\_

#### 4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

##### Project summary:

Upgrades & Expansion to the existing Fuel Storage Facility including two new 3064 cu.m Jet A-1 Vertical Tanks, two new 2565 cu.m. LSDL Vertical Tank, one new 1956 cu.m. LSDL vertical Tank, relocation of three 1351 cu.m LSDL Vertical Tanks including all appurtenances; re-supply pipeline, connection and spill basin; operator's shelter; LSDL/Gasoline Dispenser Building; Jet A-1 Dispenser Building; Fencing and Granular base and berms.

##### Hydrostatic test procedure.

Salt water will be used to hydrostatically test the tanks shown on drawing C3 in Appendix B. All tanks will be cleaned and gas freed prior to test.

The salt water will be pump from the beach of Rankin Inlet using a 4" nominal size portable pump to the pipeline. The pipeline runs from the beach uphill to the tankfarm and is connected to all the tanks. The water will be disposed by pouring the water in a 45 gal drum cut in half, full of holes and hydrophobic pads. This will act as a filter for the water. The exiting

tanks will be tested in August and September 2009 and the new tanks will be tested in the summer of 2010. Approximately 5000cum will be used per year.

**5. TYPE OF UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in “**bold**”)

- |                                                      |                                                      |
|------------------------------------------------------|------------------------------------------------------|
| <input checked="" type="checkbox"/> Industrial       | <input type="checkbox"/> <b>Remote/Tourism Camps</b> |
| <input type="checkbox"/> <b>Mine Development</b>     | <input type="checkbox"/> <b>Municipal</b>            |
| <input type="checkbox"/> <b>Advanced Exploration</b> | <input type="checkbox"/> Power                       |
| <input type="checkbox"/> <b>Exploratory Drilling</b> | <input type="checkbox"/> Other (describe): _____     |

**6. WATER USE**

- |                                                                     |                                                                                                      |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> To obtain water                            | <input type="checkbox"/> To divert a watercourse                                                     |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> Flood control                                                               |
| <input type="checkbox"/> To alter the flow of , or store, water     | <input checked="" type="checkbox"/> Other (describe): <u>Hydrostatic test of fuel storage tanks.</u> |
| <input type="checkbox"/> To cross a watercourse                     |                                                                                                      |

**7. QUANTITY OF WATER INVOLVED** (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

5000 cum/year for 2009 and 20010.

**8. WASTE** (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

- |                                                  |                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------|
| <input type="checkbox"/> Sewage                  | <input type="checkbox"/> Waste oil                                             |
| <input type="checkbox"/> Solid Waste             | <input type="checkbox"/> Greywater                                             |
| <input type="checkbox"/> Hazardous               | <input type="checkbox"/> Sludges                                               |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input checked="" type="checkbox"/> Other (describe): <u>Hydrophobic Pads.</u> |

**9. PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING** (give name, mailing address and location; attach if necessary) Not Applicable

**Land Use Permit**

- |                            |                                                          |                            |
|----------------------------|----------------------------------------------------------|----------------------------|
| DIAND                      | <input type="checkbox"/> Yes <input type="checkbox"/> No | If no, date expected _____ |
| Regional Inuit Association | <input type="checkbox"/> Yes <input type="checkbox"/> No | If no, date expected _____ |

Commissioner	<input type="checkbox"/> Yes <input type="checkbox"/> No   If no, date expected _____
--------------	---------------------------------------------------------------------------------------

**10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** (direct, indirect, cumulative impacts, etc.)  
Not Applicable

NIRB Screening 
☐ Yes   ☐ No   If no, date expected \_\_\_\_\_

**11. INUIT WATER RIGHTS**

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?  
No.

**11. (Continued)**

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration? If no compensation agreement has been made, how will compensation be determined?

**12. CONTRACTORS AND SUB-CONTRACTORS** (name, address and functions)

Same as 1.

**13. STUDIES UNDERTAKEN TO DATE** (list and attach copies of studies, reports, research, etc.)

Not applicable.

**14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN**

Supplementary Questionnaire (where applicable: see section 5) n/a   Yes ☐ No ☐   If no, date expected \_\_\_\_\_

Inuktitut/English Summary of Project 
☐ Yes   ☐ No   If no, date expected \_\_\_\_\_

Application fee \$30.00 (c/o of Receiver General for Canada) 
☐ Yes   ☐ No   If no, date expected \_\_\_\_\_

**15. PROPOSED TIME SCHEDULE**

☐ Annual (or) ☒ Multi Year

Start Date: August 2009                      Completion Date: October 2010

*Marc D. Foxier*

\_\_\_\_\_  
Name (Print)

\_\_\_\_\_  
Title (Print)

Signature

Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ \_\_\_\_\_

Receipt No.:

WATER USE DEPOSIT

Amount: \$ \_\_\_\_\_

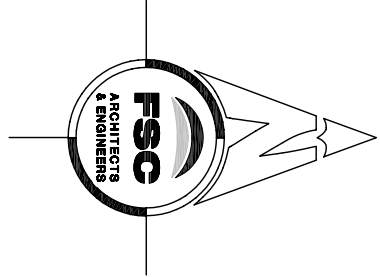
Receipt No.:

## **Appendix A**

Aerial View of Rankin Inlet Tank Farm







**FSC**  
ARCHITECTS  
& ENGINEERS  
4910 53rd St. Yellowknife, NT  
X1A 2P4 (867) 920-2882  
Fax (867) 920-4319 www.fsc.ca

PERMIT TO PRACTICE

STATE OF NEW JERSEY

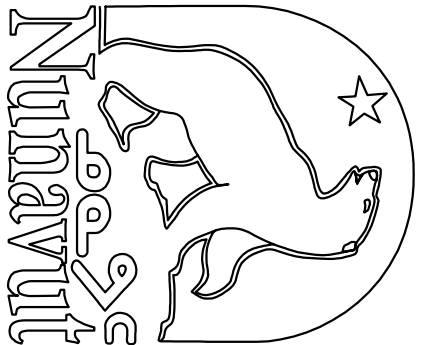
Professional Engineer

PERMIT NUMBER: P0447

REGISTERED PROFESSIONAL ENGINEER

NEW JERSEY

NO.	REVISION	DATE	BY	APP'D.
2	ISSUED FOR TENDER	MAR 31 2007		
1	90% REVIEW SUBMISSION	MAR 2006		
0	50% REVIEW SUBMISSION	FEB 2006		



FUEL STORAGE  
FACILITY UPGRADE  
AND EXPANSION

RANKIN INLET, NU

OVERALL SITE  
OVERALL SITE PLAN

DESIGNED BY	DATE
WO	1/25/00
CHECKED BY	DATE
SRB	MARCH 29, 2006
WORKED BY	CLIENT PROJECT NO.
WO	
P.E.C. FILE NO.	P.E.C. JOB NO.
C1-REV/DWG	2005-2150
SHEET	DRAWING NO.

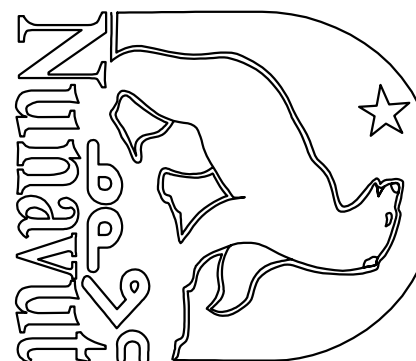


## Appendix B

Tender Drawing No. C3 – Proposed Layout



2	ISSUED FOR TENDER	MAR 31	2007		
1	90% REVIEW SUBMISSION	MAR	2006		
0	50% REVIEW SUBMISSION	FEB	2006		
NO	REVISION	DATE	BY	APP'D	

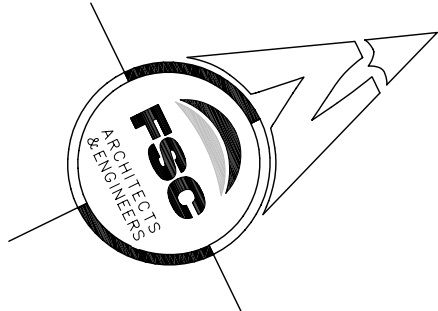
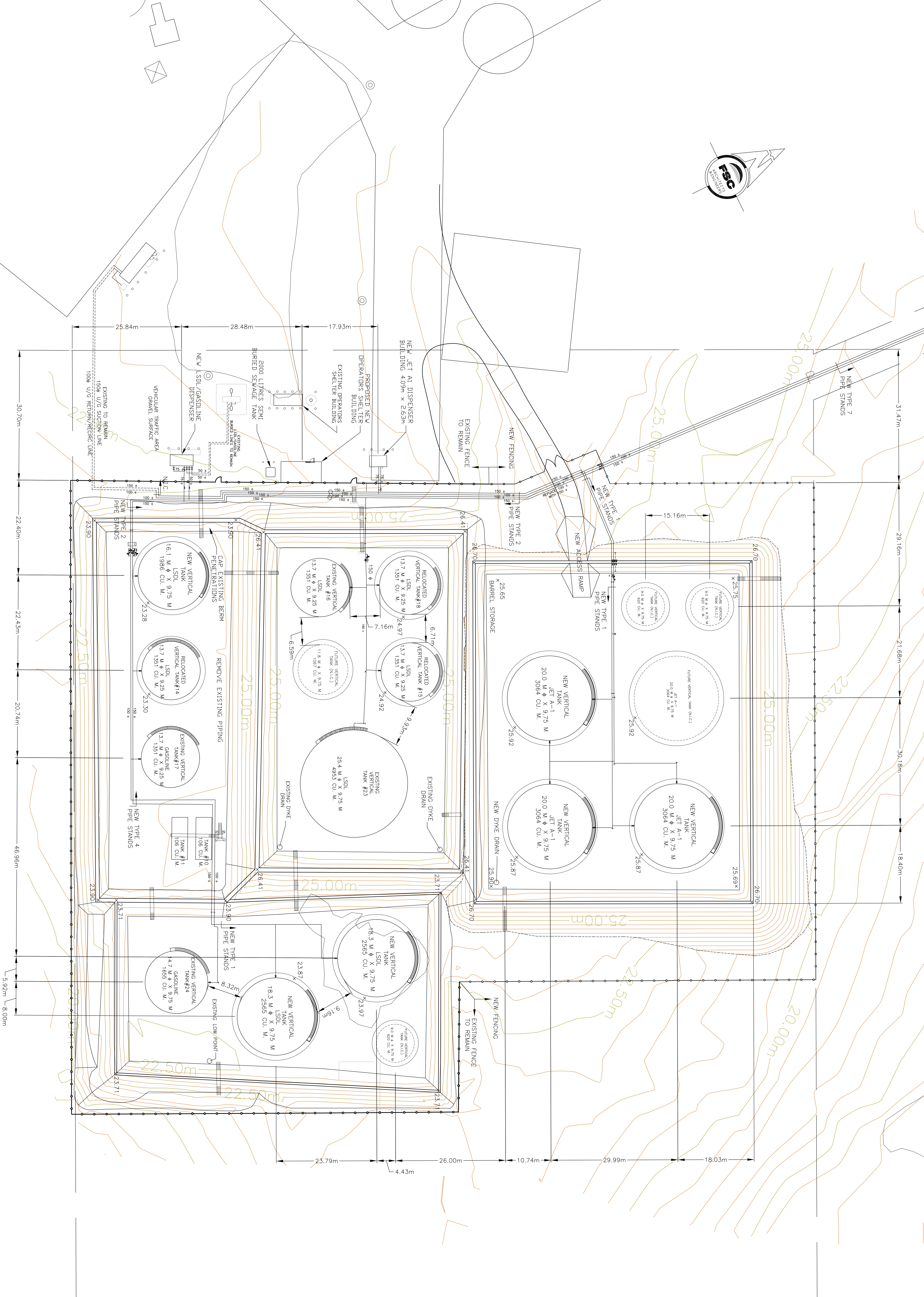


**FUEL STORAGE  
FACILITY UPGRADE  
AND EXPANSION**

**RANKIN INLET, NU**

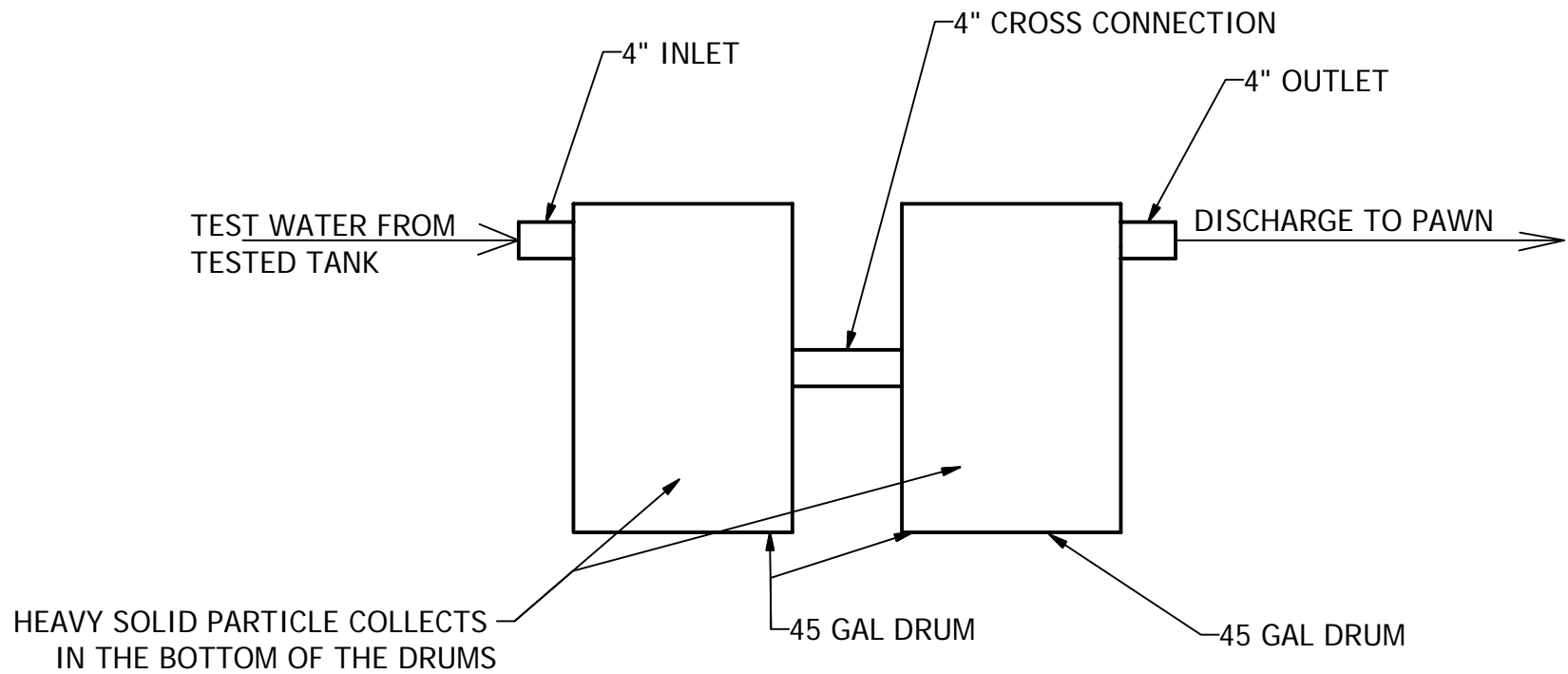
**PROPOSED SITE  
LAYOUT**

DESIGNED BY	SCALE
WO	1:400
DRAWN BY	CUT
SRB/FG	MARCH 29, 2006
CHECKED BY	CLEAN PROJECT NO.
WO	
F.S.C. FILE NO.	F.S.C. JOB NO.
C3.DWG	2005-2150
SHEET	DRAWING NO.
3	67
	<b>C3</b>





## SKETCH #4



TEST WATER SOLID PARTICLE COLLECTOR