



THE GOVERNMENT OF NUNAVUT COMMUNITY AND GOVERNMENT SERVICES

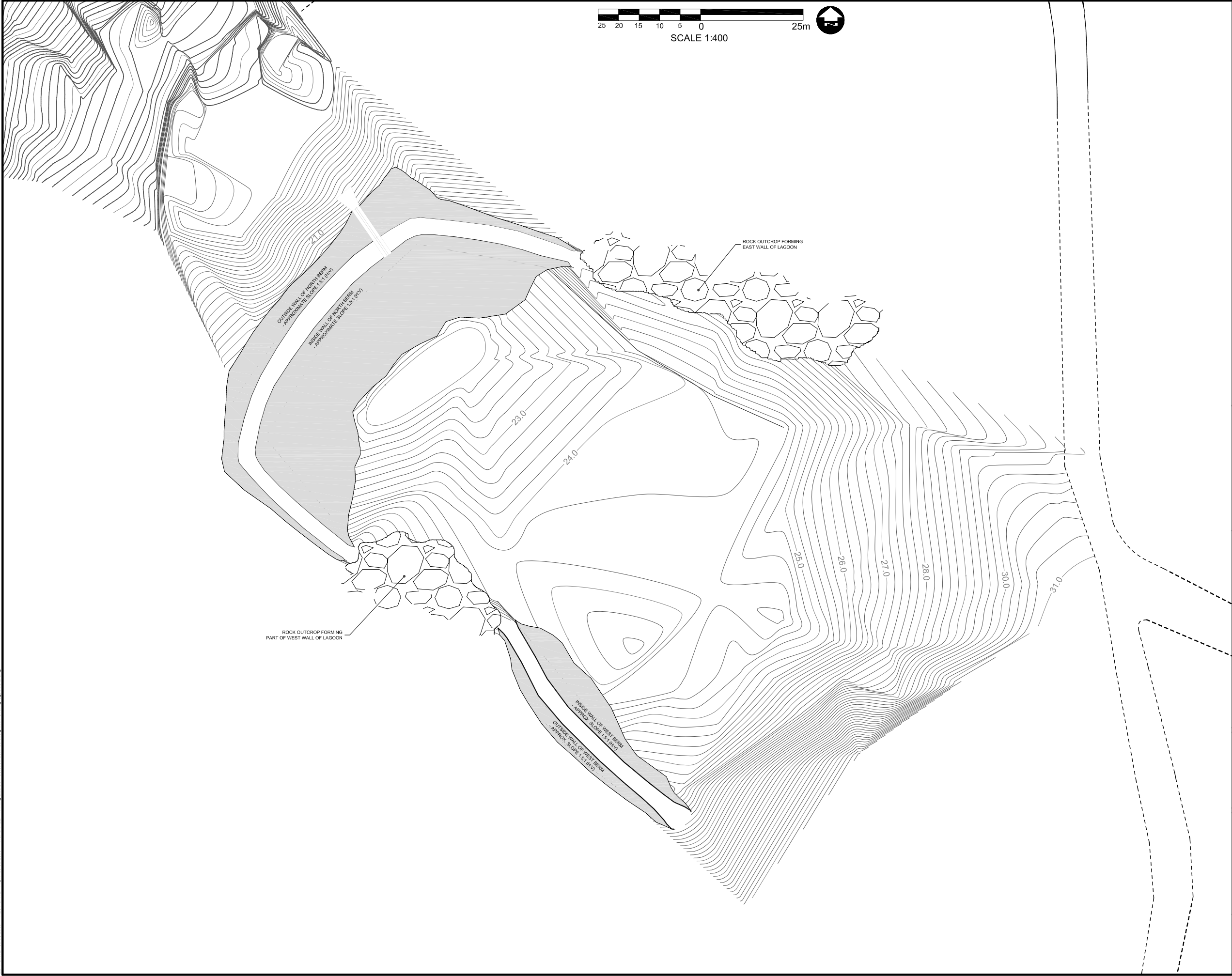
SEWAGE & SOLID WASTE SITES - TENDER DRAWINGS
LOCATION: KUGAARUK, NUNAVUT
PROJECT NO: 05-4755-3000
DATE: MAY 2006



LOCATION PLAN

LIST OF DRAWINGS	
Sheet Number	Sheet Title
000	Cover
100	Existing Lagoon Site
101	Design Lagoon Site Plan View
102	Lagoon Sections
200	Discharge and Overflow Flume Details
201	Berm Sections and Details
202	Manhole Details





LEGEND

PLAN:

EXISTING:

MINOR CONTOUR (0.2m)

MAJOR CONTOUR (1.0m)

###.#

DESIGN:

BERM WALLS

TOE OF SLOPE

NOTES

DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

"DESCRIPTION OF DETAIL"

1

100 101

DETAIL NUMBER

DRAWING SHEET

WHERE DETAIL IS SHOWN

DETAIL REFERENCED (THIS DRAWING SHEET)

SITE LOCATION

SCALE 1:50000

ST

PETER BAY

PELLYWAY AIRFIELD

PELLY BAY

PRELIMINARY ONLY

NOT FOR CONSTRUCTION

DRAWING REDUCED

NOT TO SCALE

1	06/01/06	ISSUED FOR 95% REVIEW	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	MAY 2006

PROJECT

SEWAGE & SOLID WASTE FACILITY

KUGAARUK, NUNAVUT

TITLE

EXISTING LAGOON SITE

SCALE

AS SHOWN

DILLON PROJECT NUMBER

05-4755-3000

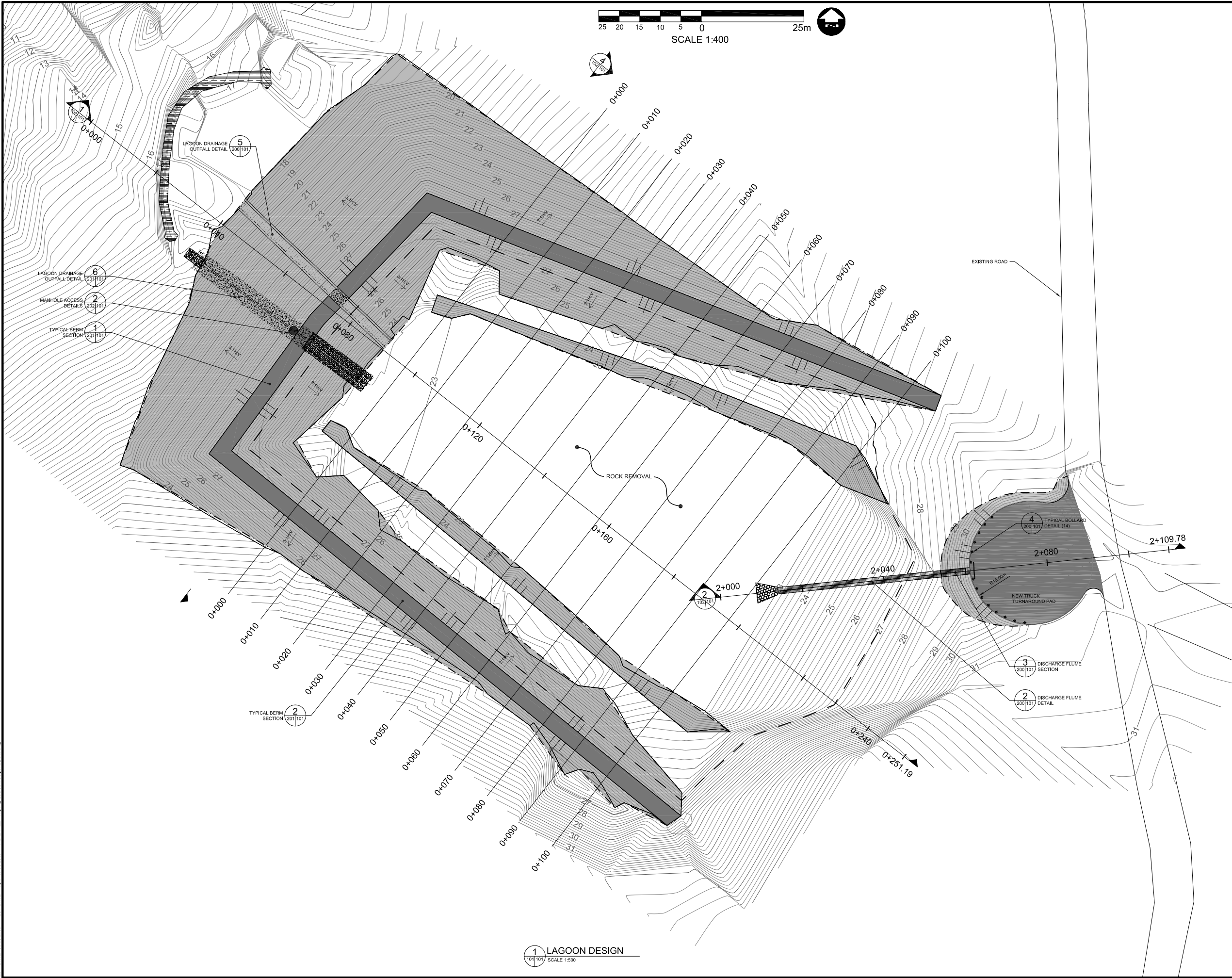
CLIENT PROJECT NUMBER

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DRAWING NUMBER

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EDIT DATE: 30.05.2008 PLOT DATE: 41pxw 30.05.2008 ACAD FILE: 41mm g:\2005\4755\3000 detailed\design\101 existing lagoon title.dwg



EDIT DATE: 30.05.2008 PLOT DATE: 411px 0:00:054755pondbord.dwg ACAD FILE: 411px 30.05.2008

1 LAGOON DESIGN
101101 SCALE 1:500

LEGEND

PLAN:

DESIGN:
MINOR CONTOUR (0.2m) ---
MAJOR CONTOUR (1.0m) ---

BERM WALLS
BERM TOP
TOE OF SLOPE
LAGOON CONTAINMENT

NOTES

DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

DRAWING SHEET WHERE DETAIL IS SHOWN
DETAIL NUMBER
DETAIL REFERENCED (THIS DRAWING SHEET)

PRELIMINARY ONLY
NOT FOR CONSTRUCTION

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CHANGE	DATE	DESCRIPTION	CHECK

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	MAY 2006

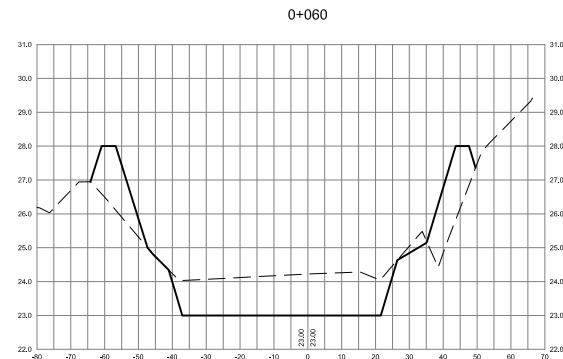
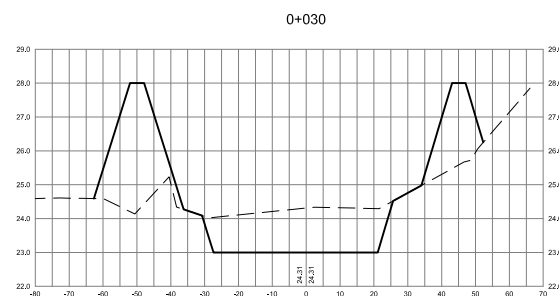
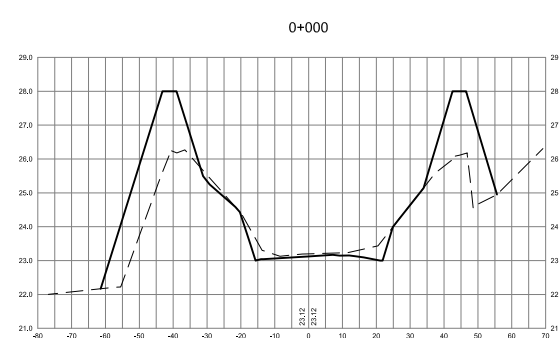
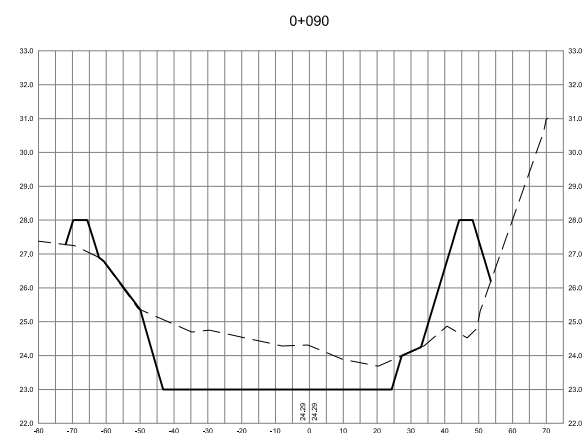
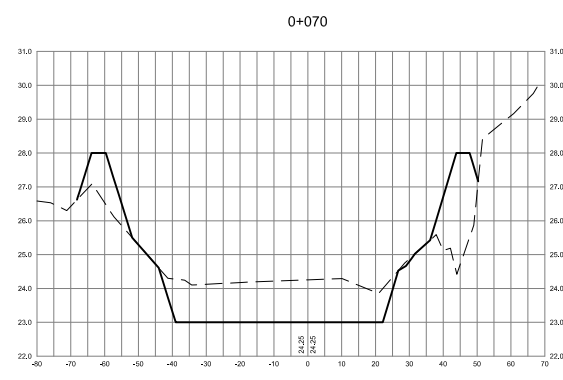
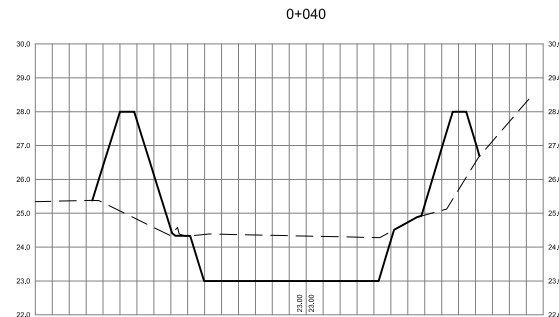
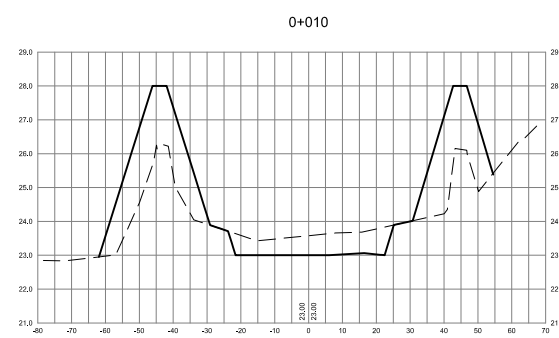
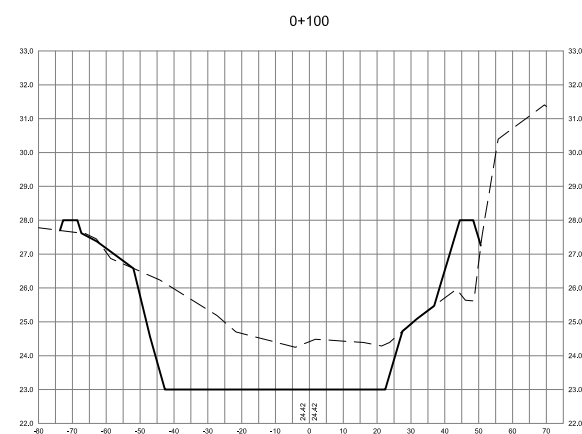
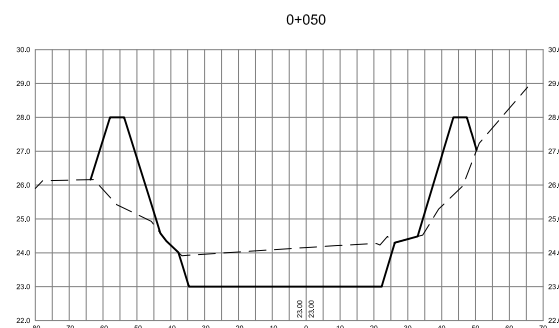
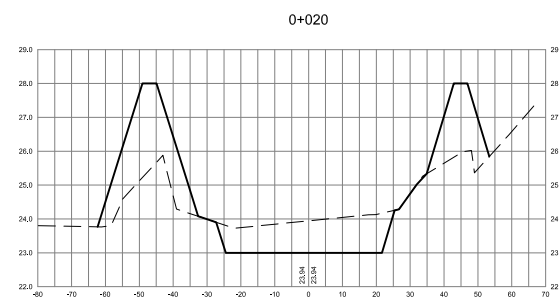
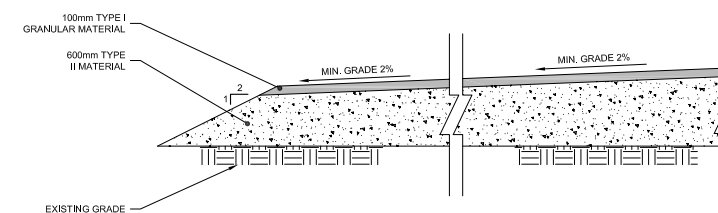
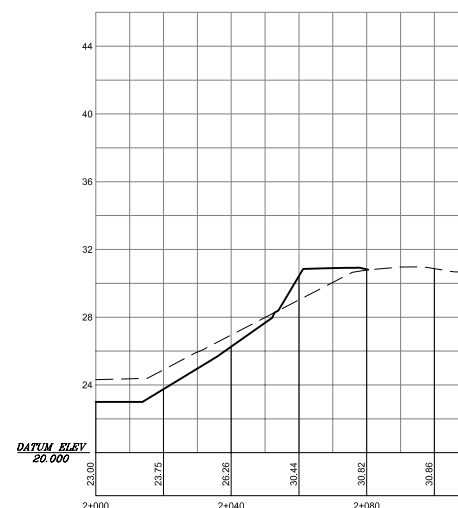
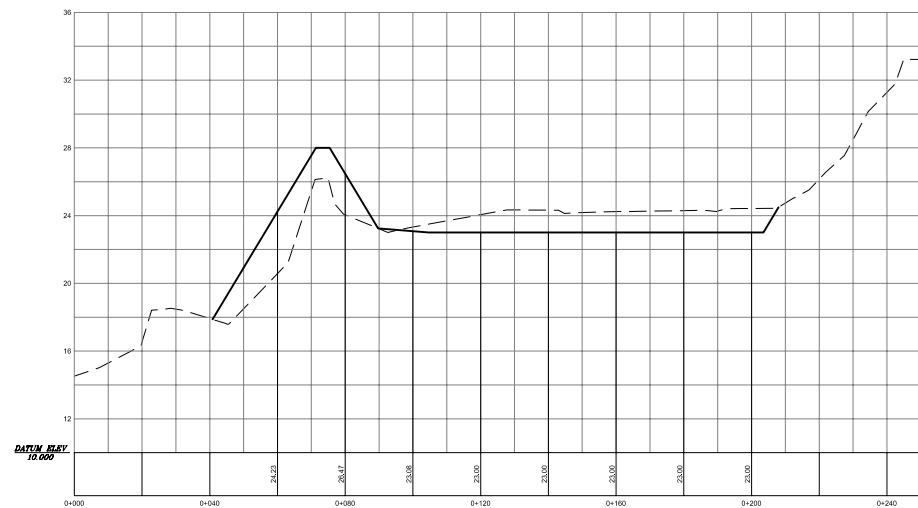
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PROJECT
SEWAGE & SOLID WASTE FACILITY
KUGAARUK, NUNAVUT

TITLE
DESIGN LAGOON SITE PLAN VIEW

DILLON CONSULTING	SCALE	1:500
	DILLON PROJECT NUMBER	05-4755-3000
	CLIENT PROJECT NUMBER	-
	DRAWING NUMBER	101



NOTE:

SEE DWG. 201 SECTION 1 AND SECTION 2 FOR BERM CONSTRUCTION DETAILS.

EXISTING GROUND: — — — — —

PROPOSED: _____

PRELIMINARY ONLY
NOT FOR CONSTRUCTION

**DRAWING REDUCED
NOT TO SCALE**

1	06/01/06	ISSUED FOR 95% REVIEW	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS			
DESIGN GS	DRAWN TPW	CHECKED GS	DATE MAY 2006

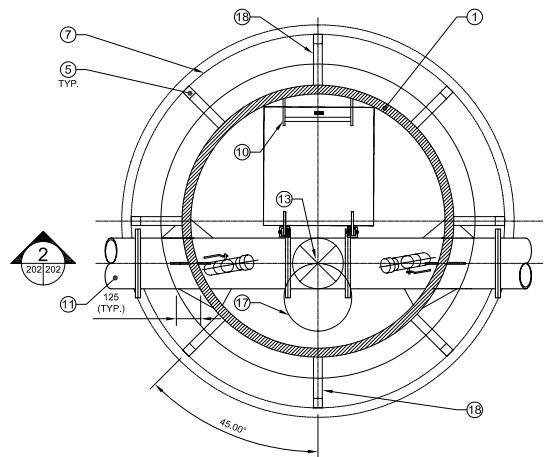


PROJECT
SEWAGE & SOLID WASTE FACILITY
KUGAARUK, NUNAVUT

TITLE
LAGOON SECTIONS



SCALE	AS SHOWN
DILLON PROJECT NUMBER	05-4755-3000
CLIENT PROJECT NUMBER	-
DRAWING NUMBER	102

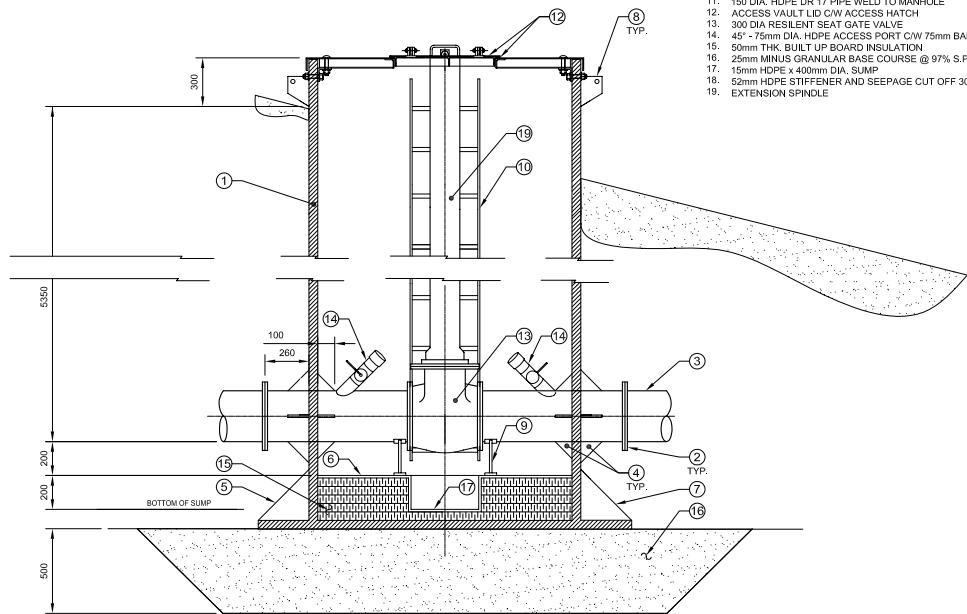


1 WATER SUPPLY LINE MANHOLE PLAN

202/202 SCALE 1:20

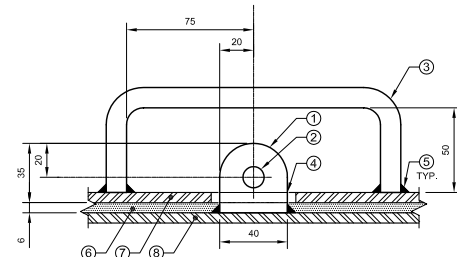
KEYNOTES:

- 1600mm DIA. HDPE PIPE DR 32.5
- FLANGE TO FLANGE CONNECTION
- 300 DIA. HDPE DR 17 PIPE FLANGED TO MANHOLE
- 15mm HDPE STIFFENER (TYP. OF 4)
- 62mm HDPE STIFFENER (TYP. OF 6)
- 15mm HDPE FLOOR (SLOPE FLOOR TO SUMP), WELD TO MANHOLE
- 52mm HDPE BASE, WELD TO MANHOLE
- 52mm HDPE LIFTING HOOK (TYP. OF 4)
- HUNT PIPE SUPPORT
- BUILT UP HDPE LADDER 400mm WIDE C/W RUNGS @ 300 O.C. FX TO HDPE MANHOLE
- 150 DIA. HDPE DR 17 PIPE WELD TO MANHOLE
- ACCESS VAULT LID C/W ACCESS HATCH
- 300 DIA RESILIENT SEAT GATE VALVE
- 45° - 75mm DIA. HDPE ACCESS PORT C/W 75mm BALL VALVE AND CAP. INSTALL @ 10° SKEW FROM C
- 50mm THK. BUILT UP BOARD INSULATION
- 25mm MINUS GRANULAR BASE COURSE @ 97% S.P.D.
- 15mm HDPE x 400mm DIA. SUMP
- 52mm HDPE STIFFENER AND SEEPAGE CUT OFF 300mm X 1000mm HIGH (TYP. OF 6)
- EXTENSION SPINDLE



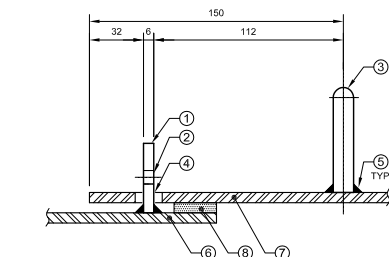
2 WATER SUPPLY LINE MANHOLE SECTION

202/202 SCALE 1:20



3 HASP AND LIFTING HANDLE DETAIL

202/202 SCALE 1:2



4 HASP AND LIFTING HANDLE SECTION

202/202 SCALE 1:2

NOTES:

1. ACCESS MANHOLE LID & HATCH ANGLE FRAMING ARE NOT SHOWN FOR CLARITY. FOR DETAIL REFER TO FRAMING PLAN AS PER DETAIL
2. ALL WELDS AND ABRASIONS TO BE REPAIRED WITH TWO COATES OF GALVCON.

KEYNOTES:

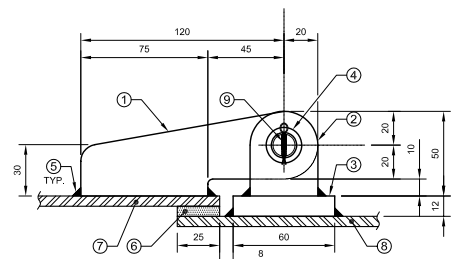
- 6mm THK. GALV. STEEL STAPLE
- 12.5mm DIA. DRILLED HOLE FOR PADLOCK
- 12.5mm DIA. GALV. STEEL BAR LIFTING HANDLE
- 50mmx15mm SLOT HOLE
- 6mm FILLET WELD ALL AROUND (TYP.)
- 25mm WIDE x 6mm THK. RUBBER GASKET MASTIC TO UNDERSIDE OF HATCH COVER (TYPICAL 4 SIDES)
- 6mm THK. GALV. STEEL PLATE ACCESS HATCH COVER
- 6mm THK. GALV. STEEL PLATE MANHOLE LID

NOTES:

1. ACCESS MANHOLE LID & HATCH ANGLE FRAMING ARE NOT SHOWN FOR CLARITY. FOR DETAIL REFER TO FRAMING PLAN AS PER DETAIL
2. ALL WELDS AND ABRASIONS TO BE REPAIRED WITH TWO COATES OF GALVCON.

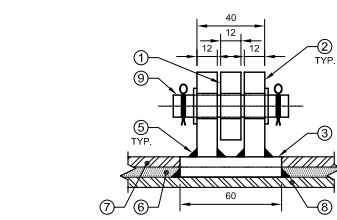
KEYNOTES:

- 12mm THK. GALV. STEEL HINGE ARM C/W HOLE FOR 13mm DIA. PIN
- 12mm THK. GALV. STEEL HINGE ARM SUPPORT C/W HOLE FOR 13mm DIA. PIN (TYPICAL OF 2)
- 60mm x 60mm x 12mm THK. GALV. STEEL BASE PLATE
- GAVL. STEEL WASHER (TYP.)
- 6mm FILLET WELD ALL AROUND
- 25mm WIDE x 6mm THK. RUBBER GASKET MASTIC TO UNDERSIDE OF HATCH COVER (TYPICAL 4 SIDES)
- 6mm THK. GALV. STEEL PLATE ACCESS HATCH COVER
- 6mm THK. GALV. STEEL PLATE MANHOLE LID
- 13mm DIA. GALV. STEEL PIN C/W 2 COTTER PIN



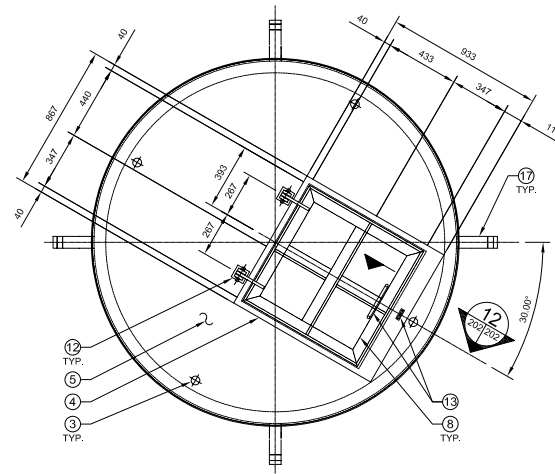
5 MANHOLE ACCESS HATCH HINGE DETAIL

202/202 SCALE 1:2



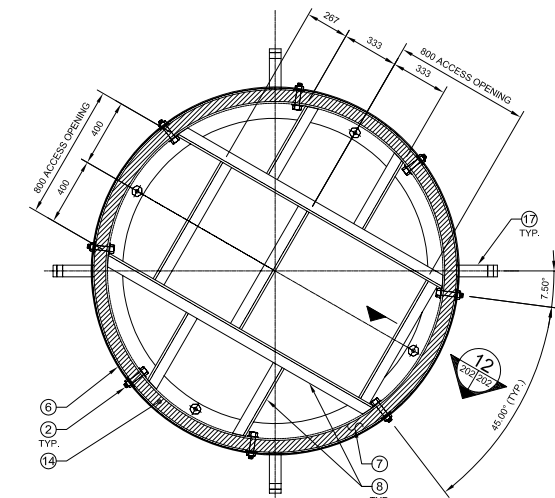
6 MANHOLE ACCESS HATCH HINGE SECTION

202/202 SCALE 1:2



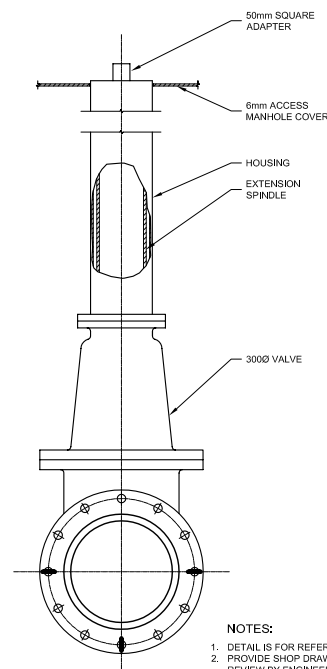
7 MANHOLE ACCESS HATCH FRAMING DETAIL

202/202 SCALE 1:20



8 MANHOLE LID FRAMING DETAIL

202/202 SCALE 1:20

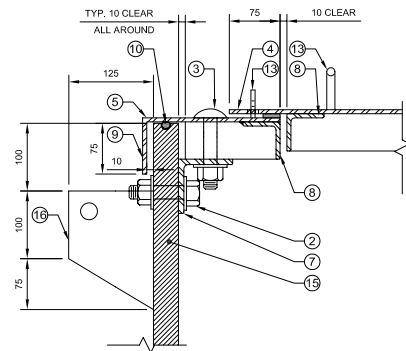


9 EXTENSION SPINDLE DETAIL

202/202 SCALE 1:10

NOTES:

1. DETAIL IS FOR REFERENCE ONLY
2. PROVIDE SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO ORDERING ASSEMBLY



12 MANHOLE ACCESS SECTION

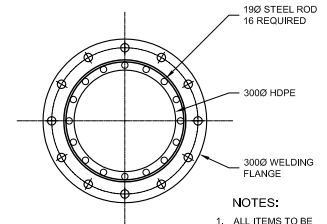
202/202 SCALE 1:5

NOTES:

1. FOR ACCESS MANHOLE LID FRAMING PLANS 6mm THK. GALV. STEEL PLATE LID NOT SHOWN FOR CLARITY.
2. ALL WELDS AND ABRASIONS TO BE REPAIRED WITH TWO COATES OF GALVCON.

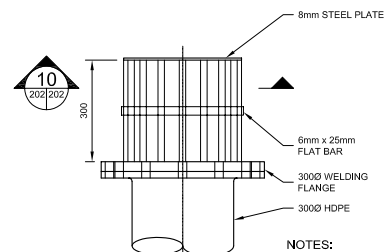
KEYNOTES:

- 1220mm DIA. HDPE DR 32.5 MANHOLE WALL
- 19mm DIA. GALV. NUT, BOLT & WASHER (8 REQ'D) SEE ACCESS MANHOLE LID FRAMING PLAN FOR ARRANGEMENT
- 19mm DIA. GALV. NUT, CARRIAGE BOLT & WASHER (4 REQ'D) SEE ACCESS HATCH FRAMING PLAN FOR ARRANGEMENT
- 6mm THK. GALV. STEEL PLATE ACCESS HATCH COVER
- 6mm THK. GALV. STEEL PLATE MANHOLE LID
- 6mm THK. x 75mm DEEP GALV. STEEL BAND, WELD TO LID
- 75x75x6 GALV. ROLLED ANGLE CONTINUOUS ALL AROUND AND BOLTED TO HDPE MANHOLE
- 55x55x6 GALV. ANGLE SEE LID FRAMING DETAIL 4
- 55x55x6 GALV. ANGLE SEE ACCESS HATCH FRAMING DETAIL 3
- 12.5mm DIA. RUBBER GASKET IN ROUTED SLOT CONTINUOUS ALL AROUND WEATHER TIGHT
- 25mm WIDE x 6mm THK. RUBBER GASKET, MASTIC TO UNDERSIDE OF HATCH COVER (TYP. 4 SIDES)
- ACCESS HATCH COVER HINGE (TYP. OF 2/PER) SEE DETAIL 8 THIS DWG.
- ACCESS HATCH COVER HASP & LIFTING HANDLE SEE DETAIL 6 THIS DWG.
- 1600mm DIA. HDPE DR 32.5 MANHOLE WALL
- HDPE MANHOLE WALL
- HDPE LIFTING HOOK SEE FRAMING DETAIL FOR ARRANGEMENT
- 52mm HDPE LIFTING HOOK C/W 25mm DIA. HOLE (4 REQ'D)



10 INTAKE SCREEN SECTION

202/202 SCALE 1:10



11 INTAKE SCREEN DETAIL

202/202 SCALE 1:10

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1	06/01/06	ISSUED FOR 95% REVIEW	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS			
DESIGN	DRAWN	CHECKED	DATE
GS	41JGL	GS	MAY 2006



PROJECT
SEWAGE & SOLID WASTE FACILITY
KUGAARUK, NUNAVUT
TITLE
MANHOLE DETAILS

SCALE	AS SHOWN
DILLON PROJECT NUMBER	05-4755-3000
CLIENT PROJECT NUMBER	-
DRAWING NUMBER	202

