
APPENDIX A

RECORD DRAWINGS



THE GOVERNMENT OF NUNAVUT COMMUNITY AND GOVERNMENT SERVICES

PROJECT: P LAKE AREA - SEWAGE LAGOON SYSTEM RECORD DRAWINGS

LOCATION: CAPE DORSET, N.U.

PROJECT NO: 3439

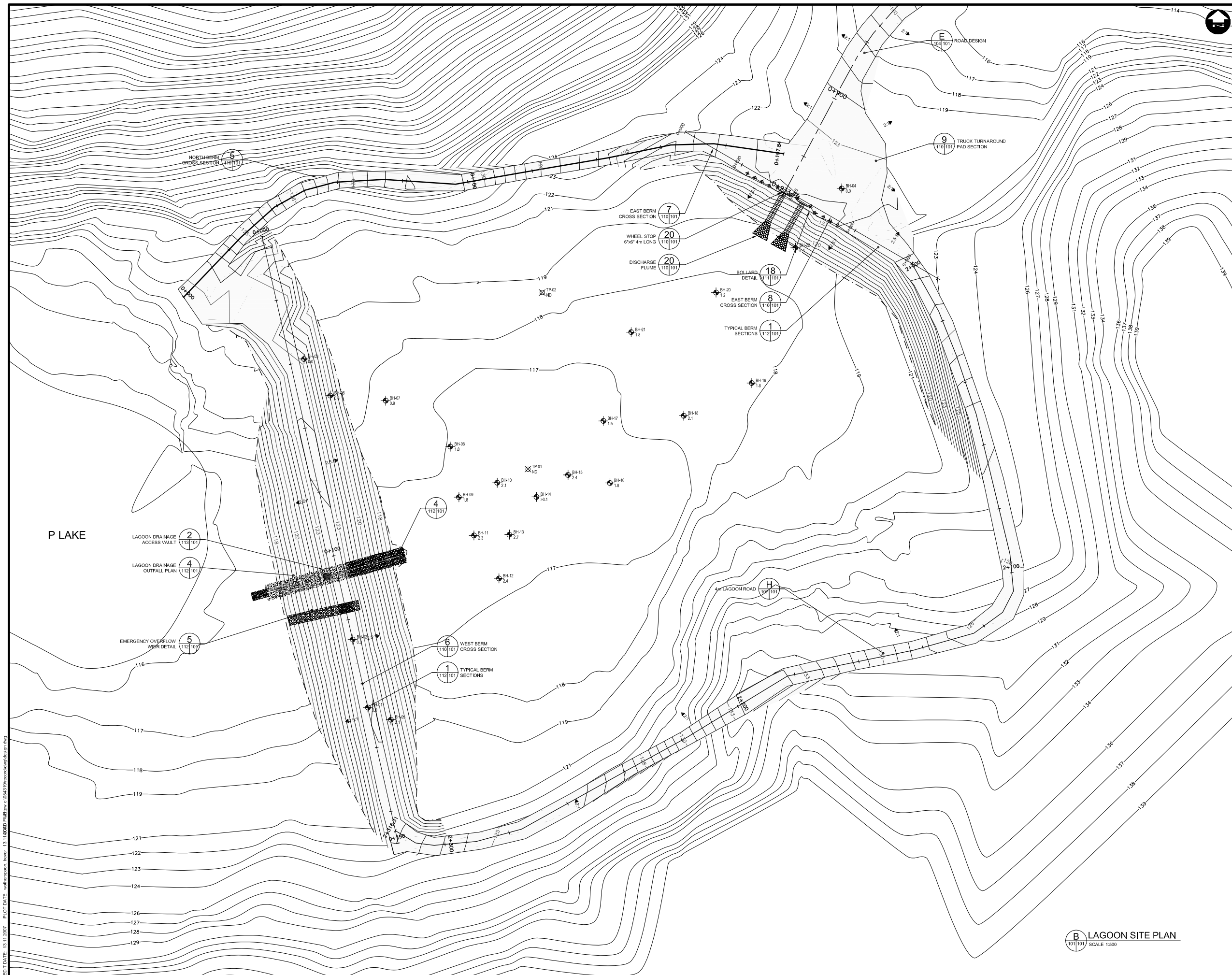
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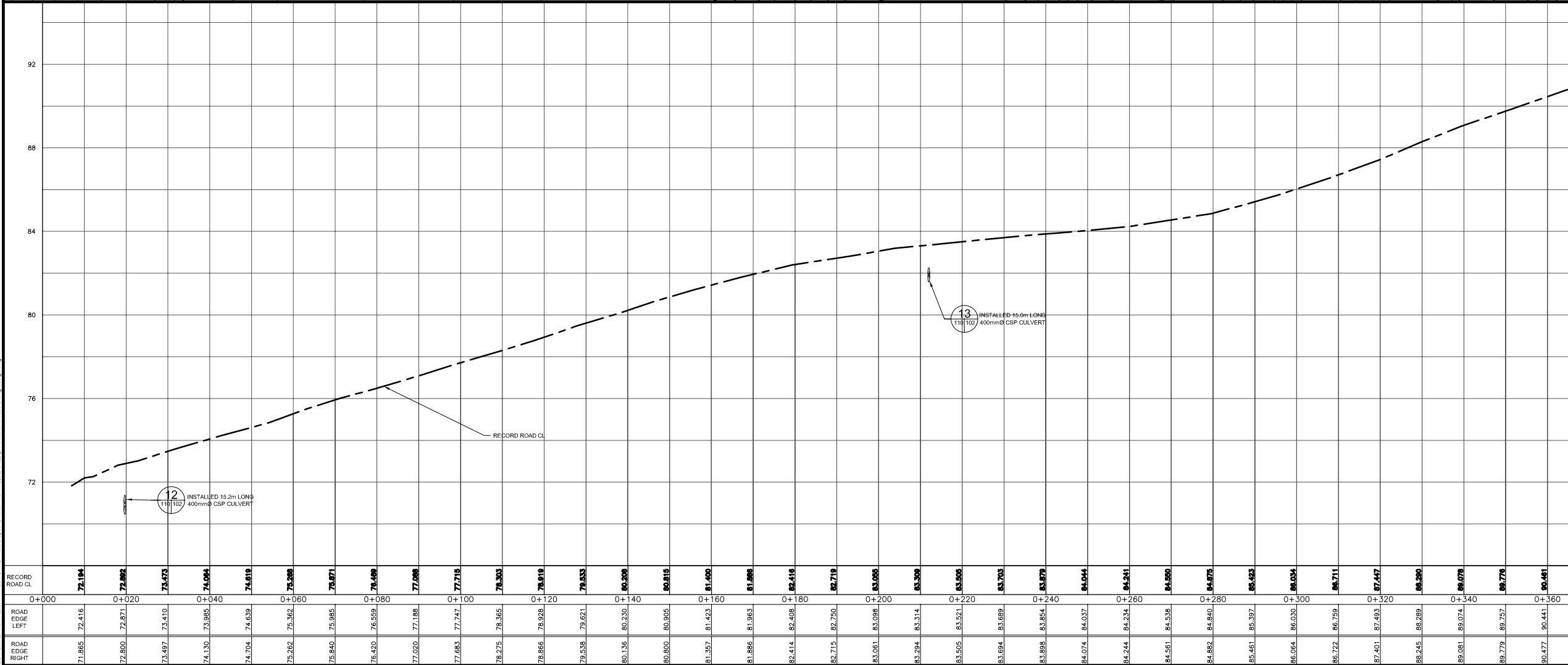
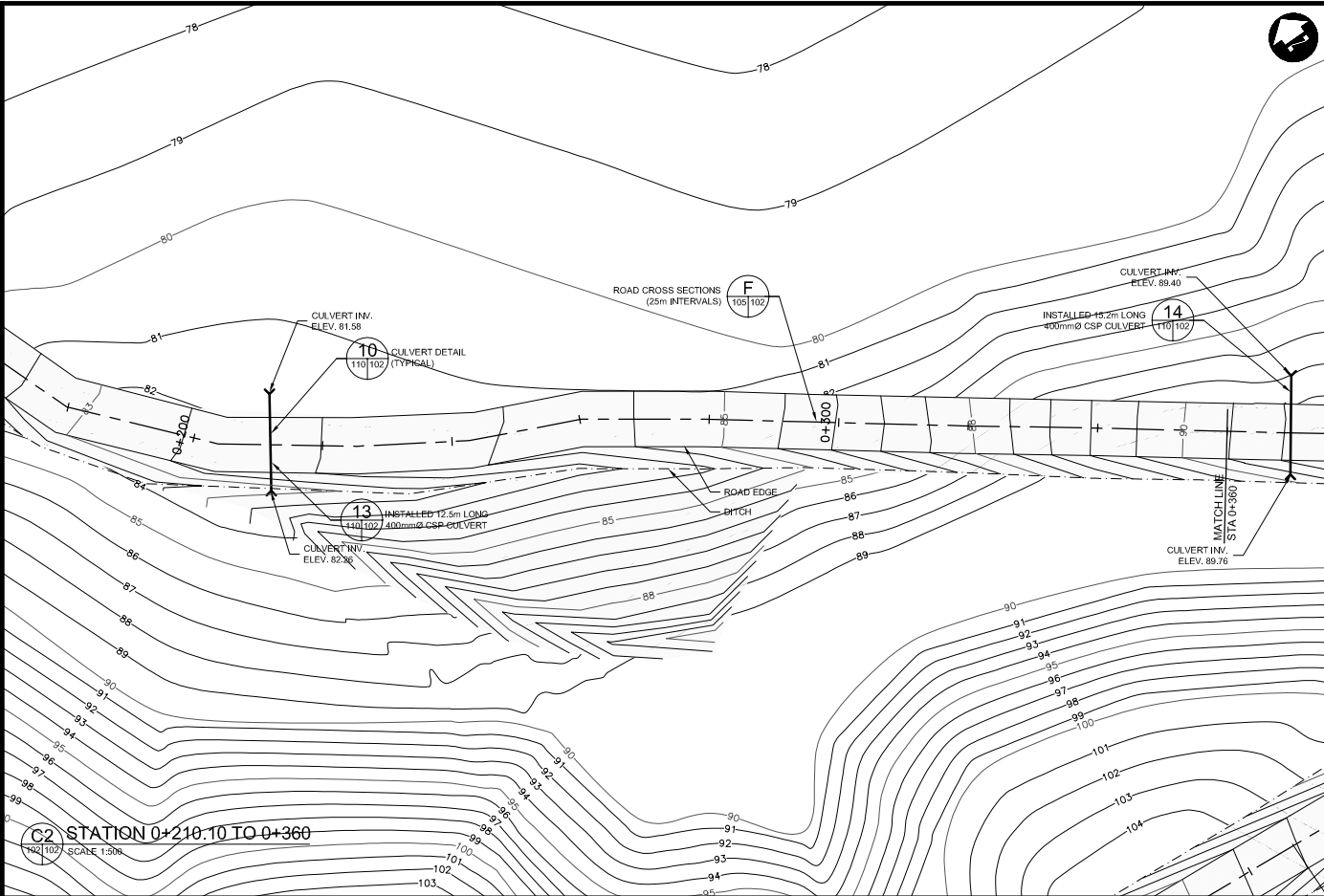
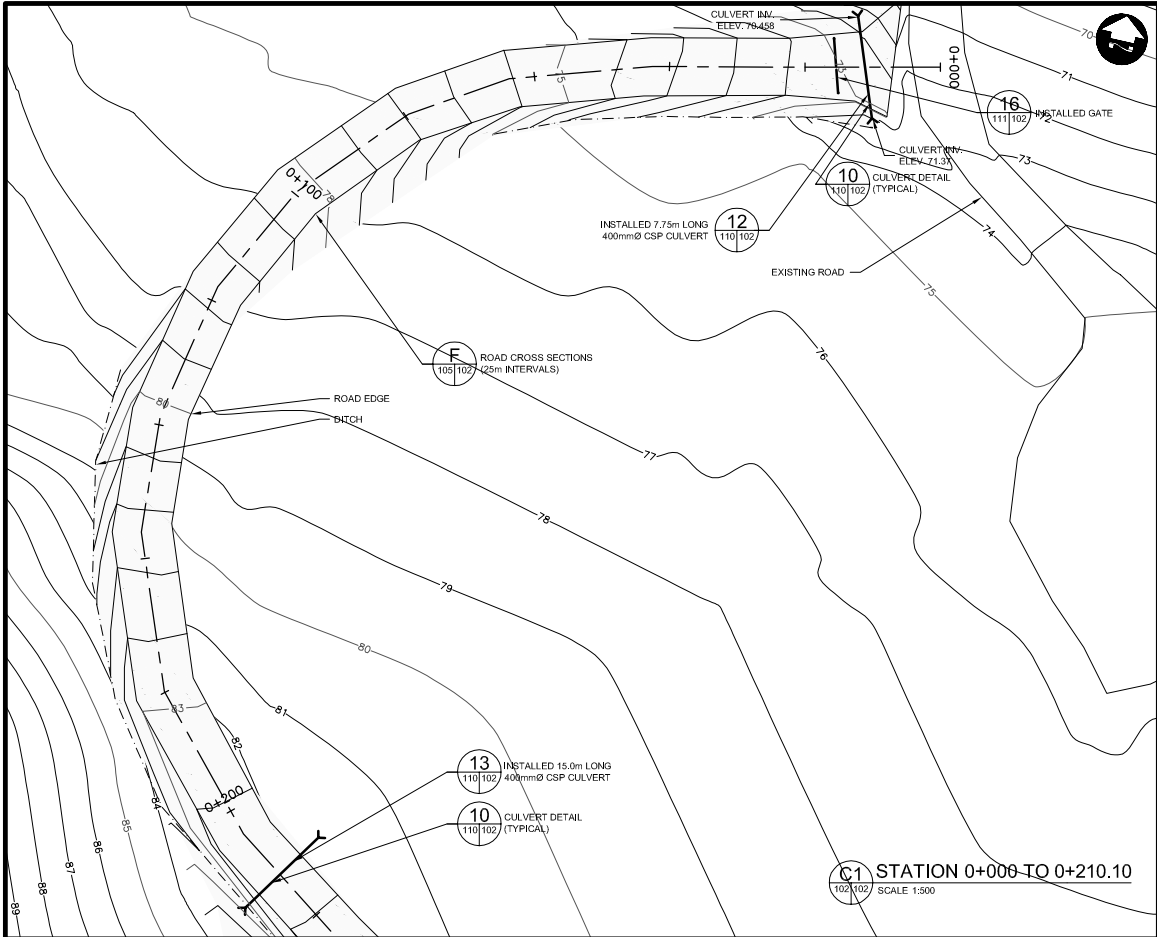
LOCATION PLAN

Drawing List	
Sheet Number	Sheet Title
000	Cover
100	Site Plan
101	Lagoon Containment Berms and Truck Turnaround Pad
102	Road Plan and Profile Station 0+000 to 0+360
103	Road Plan and Profile Station 0+360 to 0+700
104	Road Plan and Profile Station 0+700 to 0+932.55
105	Design Cross Sections Station 0+000 to 0+600
106	Design Cross Sections Station 0+625 to 0+933.75
107	Lagoon Road Plan and Profile Station 2+000 to 2+306.05
108	Lagoon Road Cross Sections Station 2+000 to 2+300
109	Berm Plans and Elevations
110	Earthworks & Sewage Discharge Details and Sections
111	Guardrail - Delineator - Gate Details and Sections
112	Lagoon Berm Sections and Details
113	Access Manhole Details





PLAN:		LEGEND																													
EXISTING: MINOR CONTOUR (1m) _____ MAJOR CONTOUR (5m) _____		DESIGN: ROAD CENTERLINE _____ ROAD EDGE _____ TOE OF SLOPE _____ CUT LIMITS _____ GUARDRAIL _____ DELINEATOR _____ LAGOON CONTAINMENT LIMIT _____ BOLLARD $\oplus$ _____ FLOW DIRECTION $\longrightarrow$																													
FILL AREA _____ CUT AREA _____		_____ _____ _____																													
NOTES																															
DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE																															
"DESCRIPTION OF DETAIL" DRAWING SHEET WHERE DETAIL IS SHOWN		DETAIL NUMBER  DETAIL REFERENCED (THIS DRAWING SHEET)																													
$\otimes$ TR-02 ND TEST PIT LOCATION DEPTH TO BEDROCK (ND NOT DETECTED)		$\oplus$ B14-21 1.8 TEST PIT LOCATION DEPTH TO BEDROCK																													
RECORD DRAWING  APPROVED BY  DATE																															
DRAWING REDUCED NOT TO SCALE																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">△</th> <th style="width: 20%;">10/24/07</th> <th style="width: 60%;">RECORD</th> <th style="width: 10%;">GS</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>12/21/06</td> <td>RE-ISSUED FOR CONSTRUCTION</td> <td>GS</td> </tr> <tr> <td>5</td> <td>09/07/06</td> <td>ISSUED FOR CONSTRUCTION</td> <td>GS</td> </tr> <tr> <td>4</td> <td>03/07/06</td> <td>ISSUED FOR TENDER</td> <td>GS</td> </tr> <tr> <td>3</td> <td>01/20/06</td> <td>95% SUBMISSION</td> <td>GS</td> </tr> <tr> <td colspan="2">CHANGE</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>CHECK</td> </tr> </tbody> </table>				△	10/24/07	RECORD	GS	6	12/21/06	RE-ISSUED FOR CONSTRUCTION	GS	5	09/07/06	ISSUED FOR CONSTRUCTION	GS	4	03/07/06	ISSUED FOR TENDER	GS	3	01/20/06	95% SUBMISSION	GS	CHANGE		DATE	DESCRIPTION				CHECK
△	10/24/07	RECORD	GS																												
6	12/21/06	RE-ISSUED FOR CONSTRUCTION	GS																												
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3	01/20/06	95% SUBMISSION	GS																												
CHANGE		DATE	DESCRIPTION																												
			CHECK																												
REVISIONS																															
DESIGN GS		DRAWN TPW																													
CHECKED GS		DATE NOV 07																													
THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P-010 DILLON CONSULTING LIMITED																															
																															
PROJECT P LAKE AREA SEWAGE LAGOON SYSTEM CAPE DORSET																															
TITLE LAGOON CONTAINMENT BERMS AND TRUCK TURNAROUND PAD																															
		SCALE AS SHOWN DILLON PROJECT NUMBER 05-4319-3000 CLIENT PROJECT NUMBER 3439 DRAWING NUMBER 101																													



LEGEND

PLAN:
EXISTING:
MINOR CONTOUR (1m)
MAJOR CONTOUR (5m)
ASBUILT:
ROAD CENTERLINE
ROAD EDGE
TOE OF SLOPE
DITCH
PROFILE:
EXISTING:
ROAD CENTERLINE

NOTES
DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
"DESCRIPTION OF DETAIL" (100/100) DETAIL NUMBER
DRAWING SHEET WHERE DETAIL IS SHOWN (THIS DRAWING SHEET)

RECORD DRAWING
APPROVED BY [Signature] DATE 12/27/2007

DRAWING REDUCED NOT TO SCALE

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5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS
DESIGN GS
DRAWN TPW
CHECKED GS
DATE NOV 07

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER 2-010
DILLON CONSULTING LIMITED

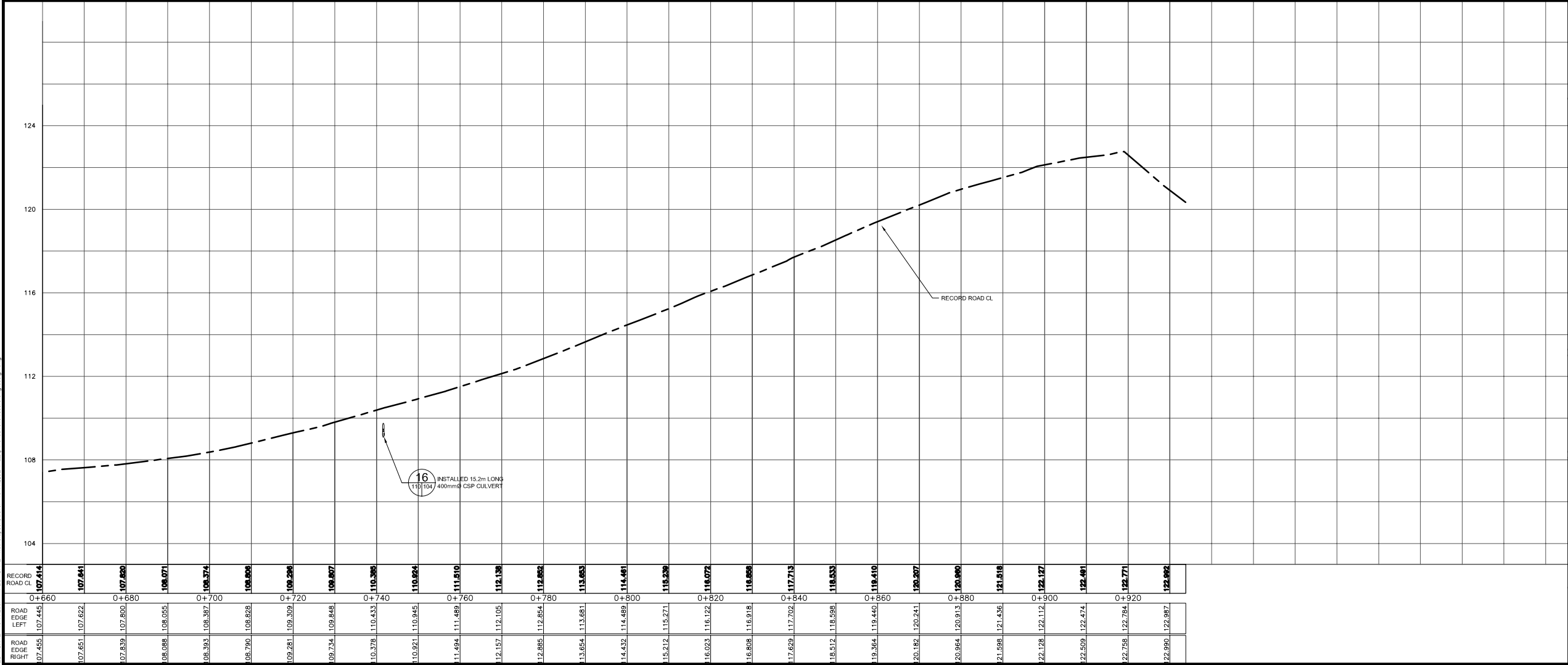
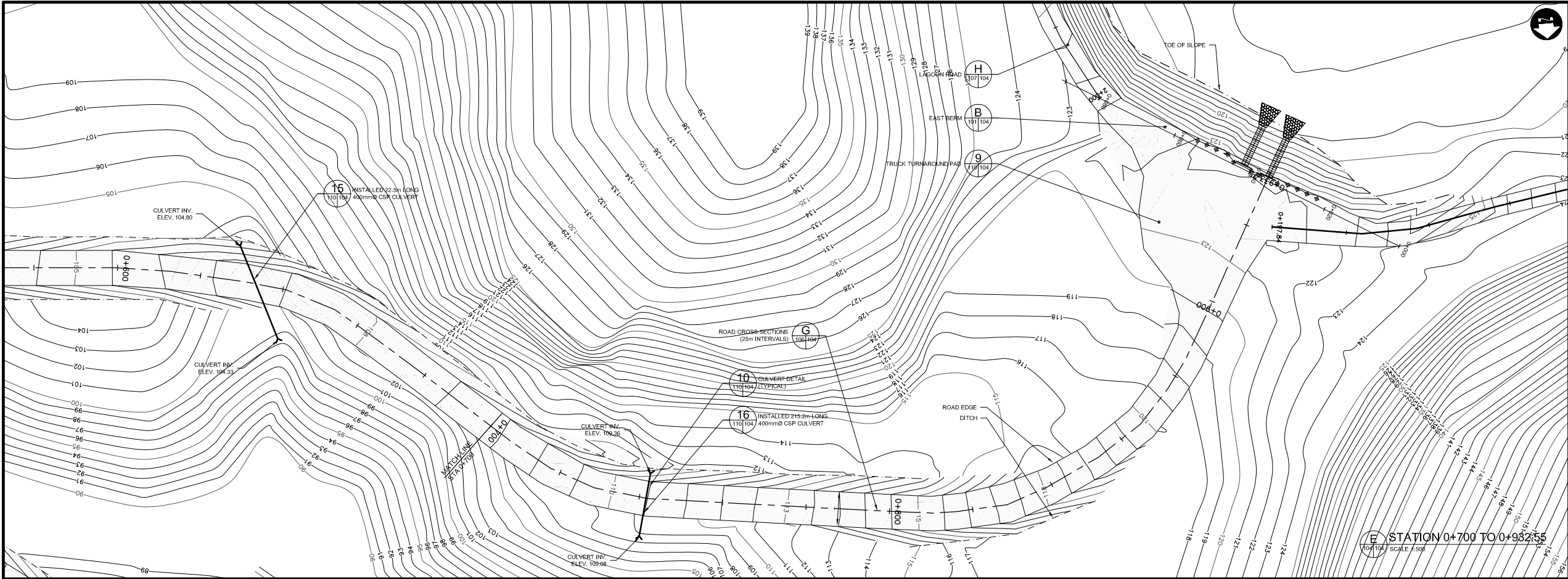
PROFESSIONAL ENGINEER
G. STRONG
NWT

PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
ROAD PLAN AND PROFILE
STATION 0+000 TO 0+360

SCALE AS SHOWN
DILLON PROJECT NUMBER 05-4319-3000
CLIENT PROJECT NUMBER 3439
DRAWING NUMBER 102

EDIT DATE: 13/11/2007 PLOT DATE: 13/11/2007 FILE: w:\hanson\new 13-11-2007 File: new c:\054319\record\design\design.dwg



EDIT DATE: 13/11/2007 PLOT DATE: wahrenson, tneer 13/11/2007 File: p:\054319\record\design\design.dwg

RECORD ROAD CL	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+932.55
ROAD EDGE LEFT	107.445	107.441	107.420	108.071	108.374	108.608	109.226	109.827	110.395	110.924	111.510	112.130	112.662	113.653	114.441
ROAD EDGE RIGHT	107.455	107.651	107.839	108.088	108.393	108.790	109.281	109.734	110.378	110.921	111.494	112.157	112.885	113.654	114.432

LEGEND

PLAN:

EXISTING:

MINOR CONTOUR (1m)

MAJOR CONTOUR (5m)

ASBUILT:

ROAD CENTERLINE

ROAD EDGE

TOE OF SLOPE

DITCH

PROFILE:

EXISTING:

ROAD CENTERLINE

NOTES

DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

"DESCRIPTION OF DETAIL"

1 100/101

 DETAIL NUMBER

DRAWING SHEET WHERE DETAIL IS SHOWN

1 100/101

 DETAIL REFERENCED (THIS DRAWING SHEET)

RECORD DRAWING

APPROVED BY DATE 22/12/07

DRAWING REDUCED
NOT TO SCALE

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5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

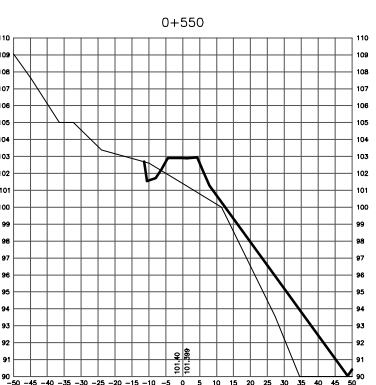
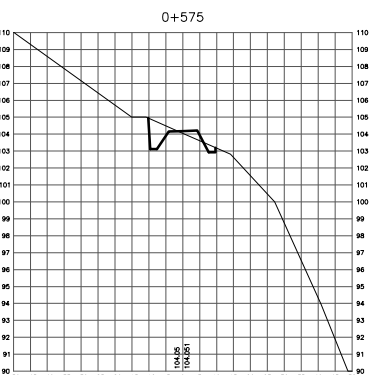
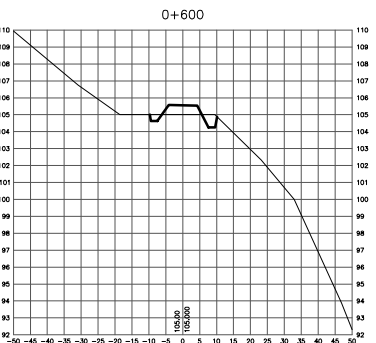
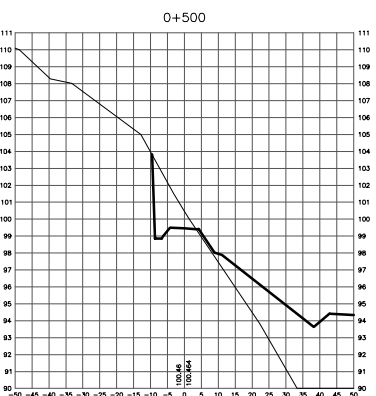
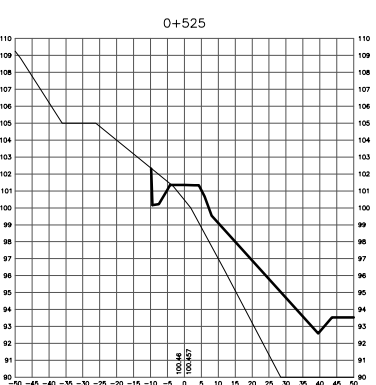
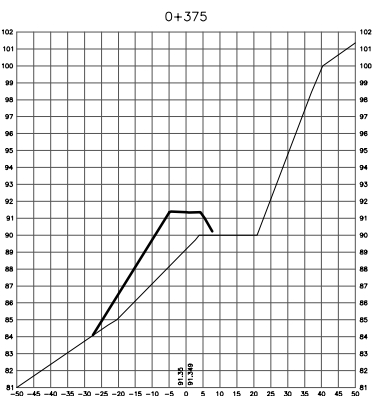
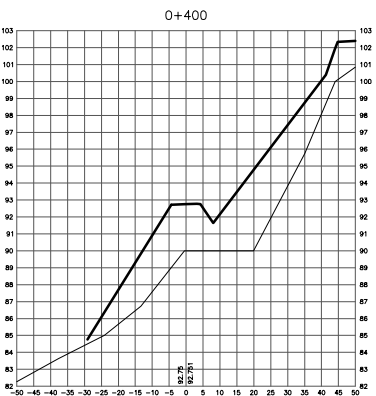
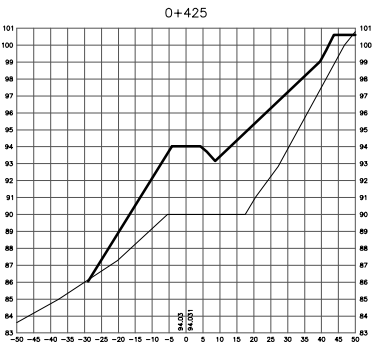
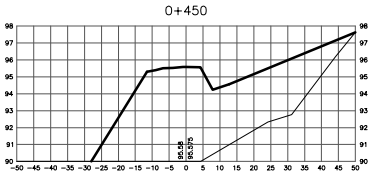
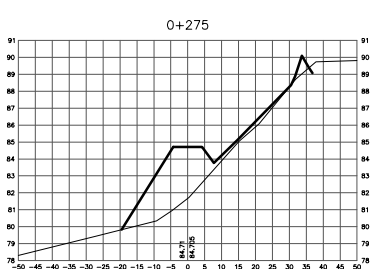
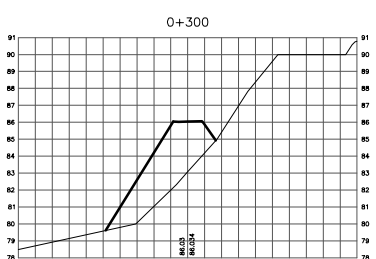
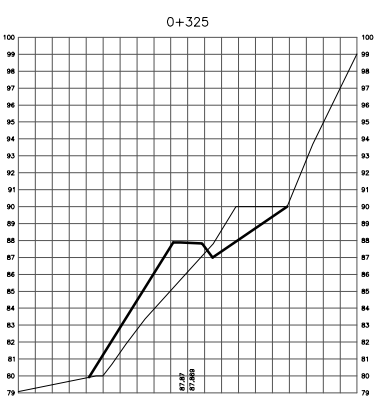
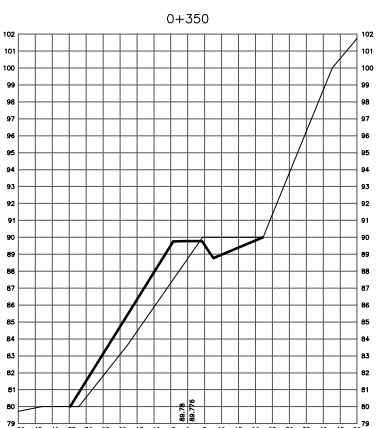
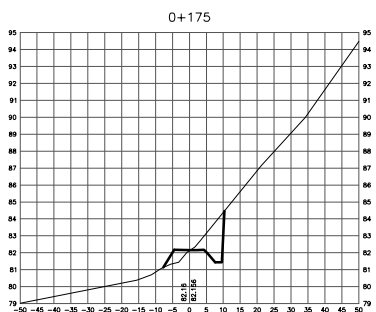
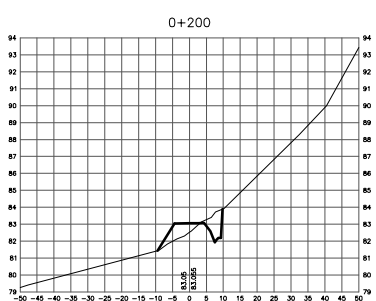
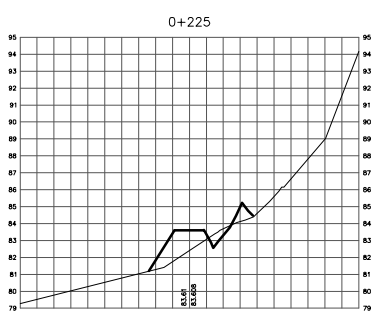
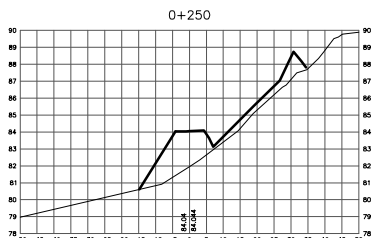
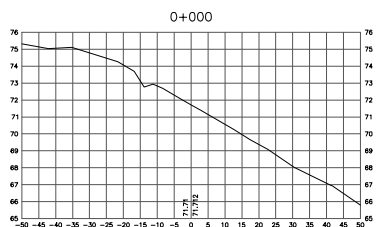
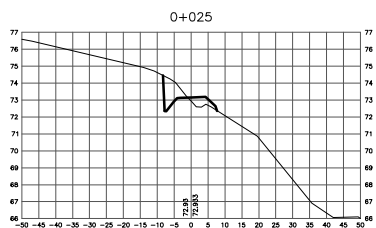
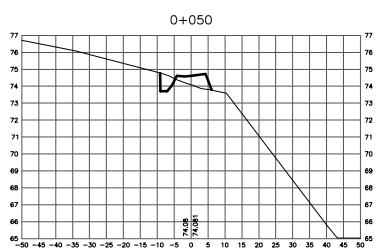
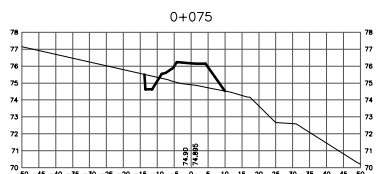
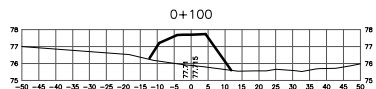
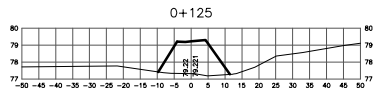
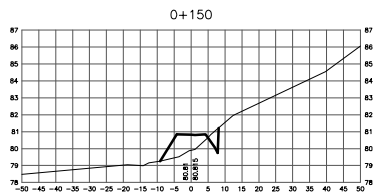
THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER 2-010
DILLON CONSULTING LIMITED

PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
ROAD PLAN AND PROFILE
STATION 0+700 TO 0+932.55

SCALE AS SHOWN
DILLON PROJECT NUMBER 05-4319-3000
CLIENT PROJECT NUMBER 3439
DRAWING NUMBER 104

EDIT DATE: 13.11.2007 PLOT DATE: wahrenson, trevor 13.11.2007 File: p054319\record\design.dwg



F ROAD CROSS SECTIONS 0+000 TO 0+600
105/105 SCALE 1:1000H 1:200V

LEGEND

TYPICAL SECTION:

SURVEYED ROAD EDGE
LIMITS OF SURVEY
EXISTING GROUND
ELEVATION
OFFSET

TYPICAL SECTION:

SURVEYED ROAD EDGE
LIMITS OF SURVEY
EXISTING GROUND
ELEVATION
OFFSET

-GRAVEL SURFACE IS 100mm DEEP 19mm MINUS
-RIP RAP IS 300mm DEEP 5mm MINUS

NOTES

RECORD DRAWING

APPROVED BY

DATE

DRAWING REDUCED
NOT TO SCALE

Δ	10/24/07	RECORD	GS
6	12/21/06	RE-ISSUED FOR CONSTRUCTION	GS
5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

PERMIT NUMBER
P-010
DILLON CONSULTING LIMITED

PROJECT

P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE

DESIGN CROSS SECTIONS
STATION 0+000 TO 0+600

SCALE

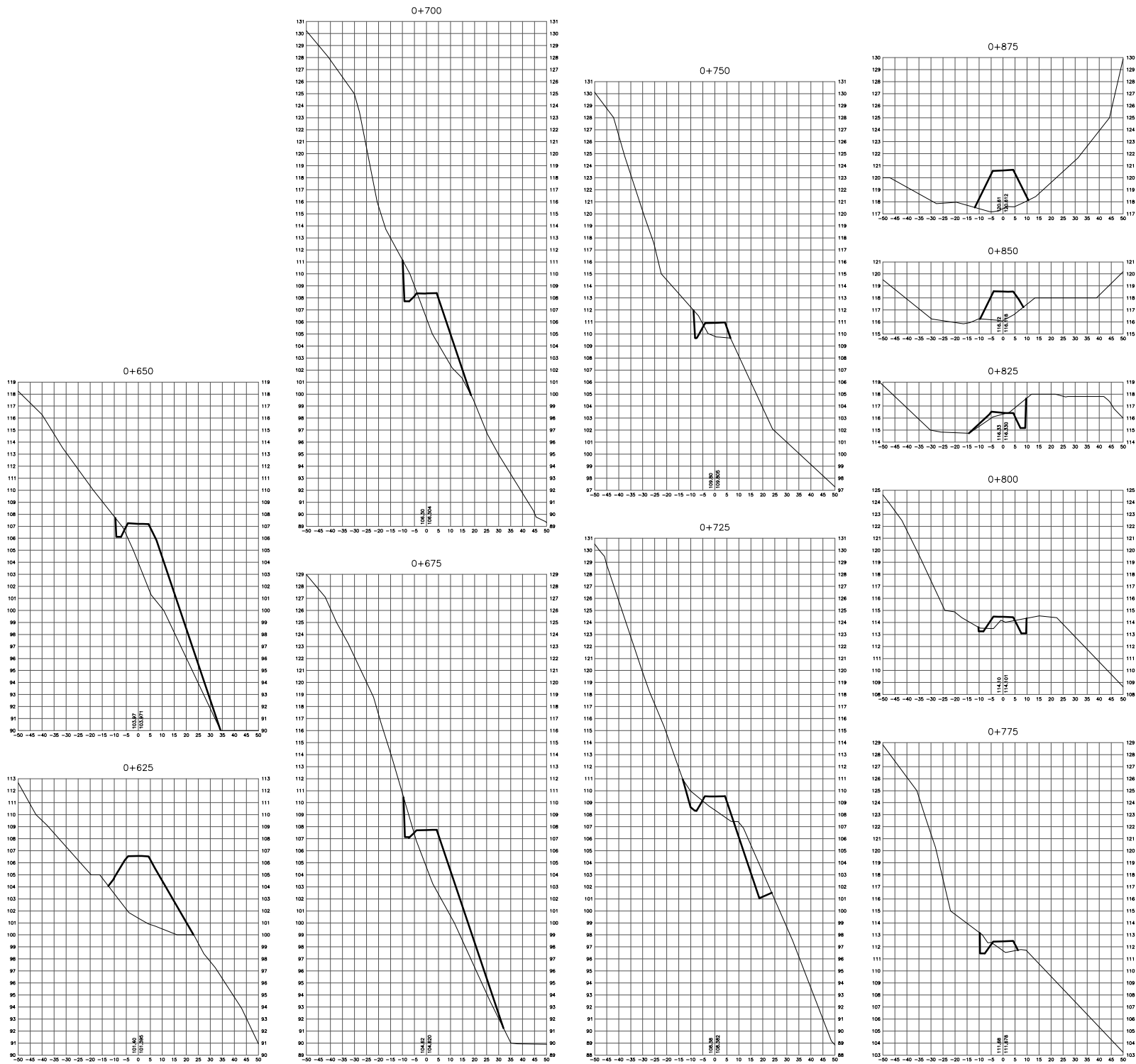
AS SHOWN

DILLON PROJECT NUMBER
05-4319-3000

CLIENT PROJECT NUMBER
3439

DRAWING NUMBER
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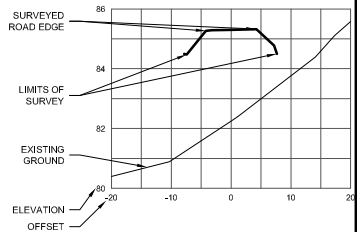
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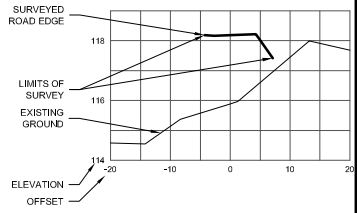
ROAD CROSS SECTIONS 0+625 TO 0+932.55
SCALE 1:1000H 1:200V

LEGEND

TYPICAL SECTION:



TYPICAL SECTION:



-GRAVEL SURFACE IS 100mm DEEP 19mm MINUS
-RIP RAP IS 300mm DEEP 5mm MINUS

NOTES

RECORD DRAWING

APPROVED BY: [Signature] DATE: 09/12/07

DRAWING REDUCED
NOT TO SCALE

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3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

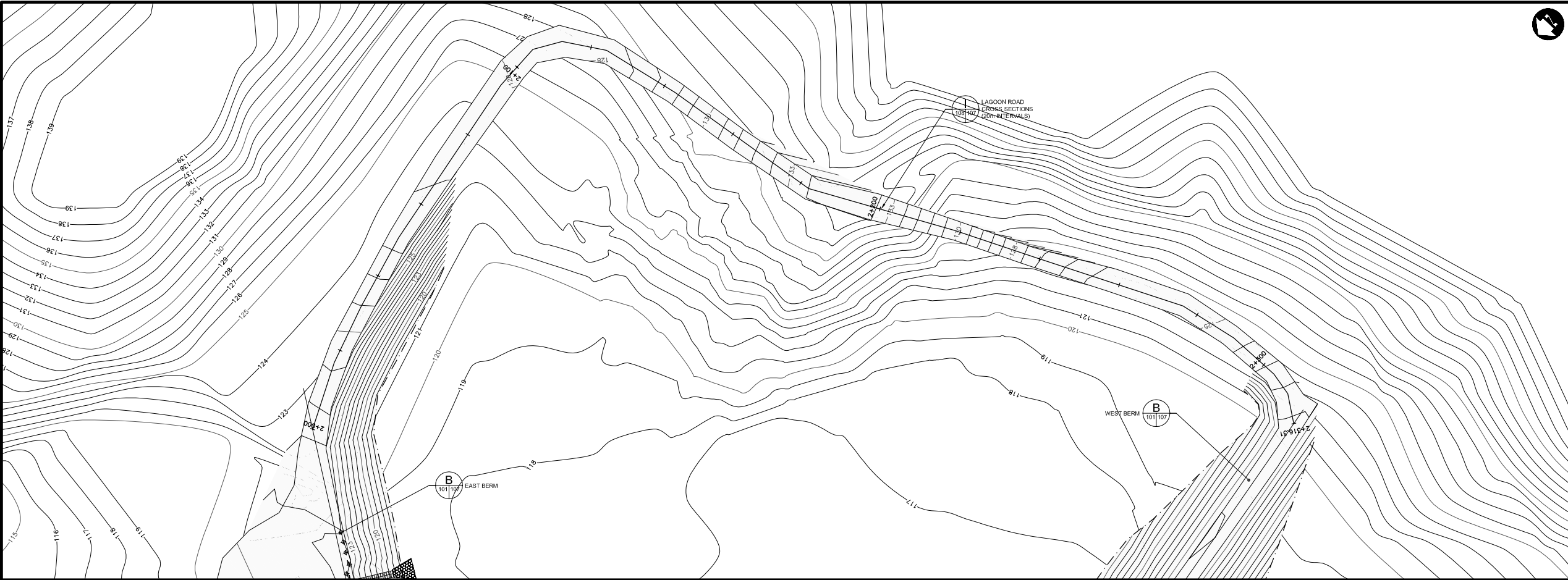
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GS	TPW	GS	NOV 07

THE ASSOCIATION OF
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GEOLOGISTS AND GEOPHYSICISTS
OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P-010
DILLON CONSULTING
LIMITED

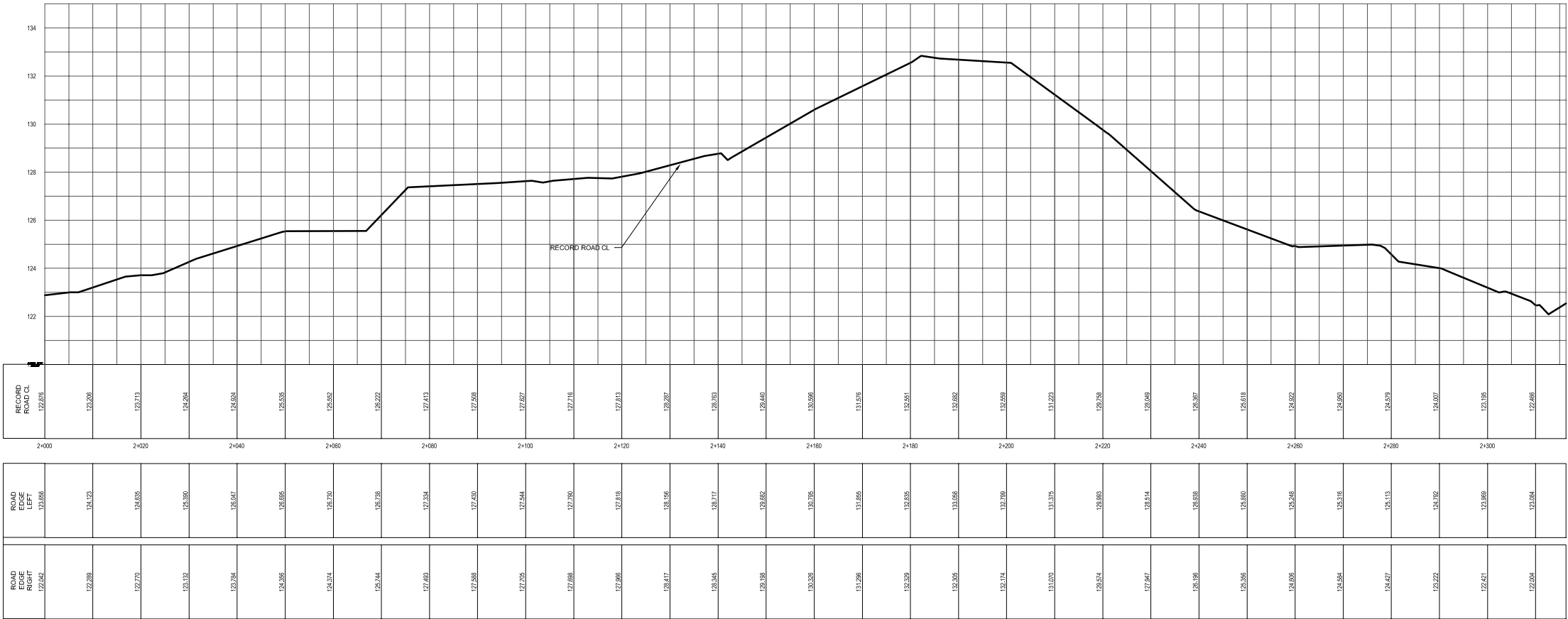


PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET
TITLE
DESIGN CROSS SECTIONS
STATION 0+625 TO 0+933.75

	SCALE	AS SHOWN
	DILLON PROJECT NUMBER	05-4319-3000
	CLIENT PROJECT NUMBER	3439
	DRAWING NUMBER	106



H LAGOON ROAD
107 107 SCALE 1:500



LEGEND

PLAN:

EXISTING:
MINOR CONTOUR (1m) _____
MAJOR CONTOUR (5m) _____

DESIGN:
ROAD CENTERLINE _____
ROAD EDGE _____
TOE OF SLOPE _____
DITCH _____

PROFILE:

EXISTING:
ROAD CENTERLINE _____

NOTES

DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

"DESCRIPTION OF DETAIL" _____
DRAWING SHEET _____
WHERE DETAIL IS SHOWN _____

1
100/101
DETAIL NUMBER
DETAIL REFERENCED
(THIS DRAWING SHEET)

RECORD DRAWING

APPROVED BY _____ DATE _____

DRAWING REDUCED
NOT TO SCALE

Δ	10/24/07	RECORD	GS
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5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS AND GEOPHYSICISTS
OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P-010
DILLON CONSULTING
LIMITED

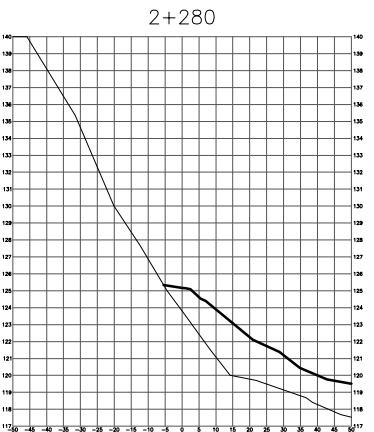
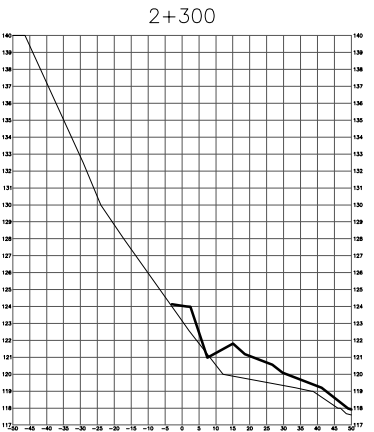
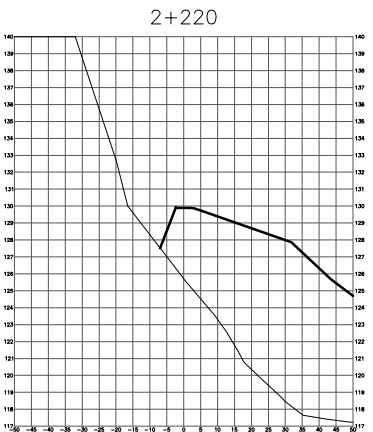
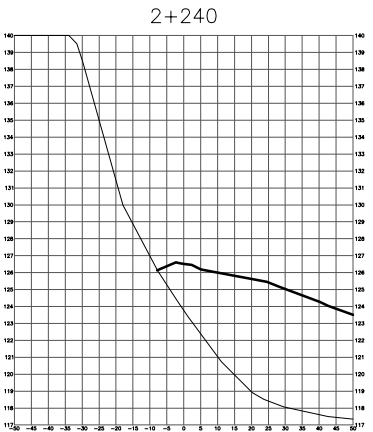
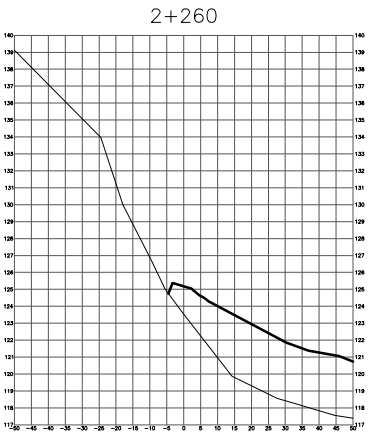
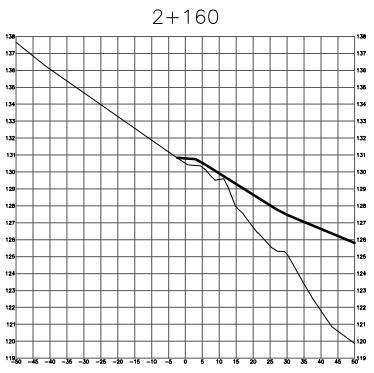
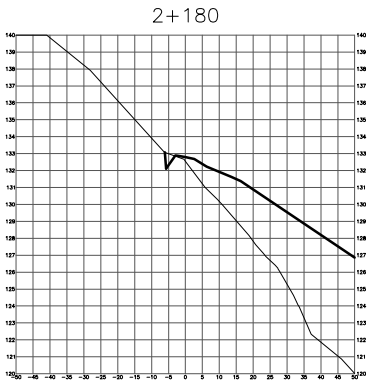
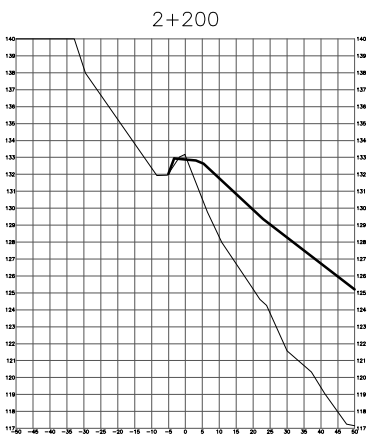
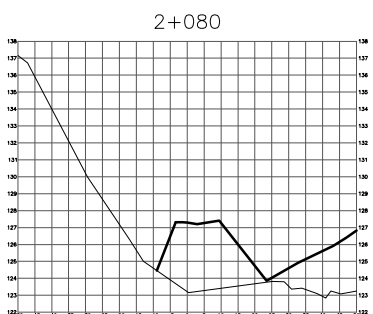
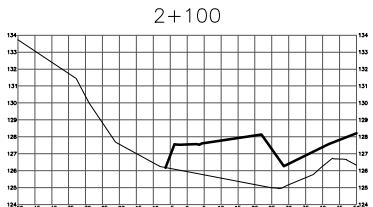
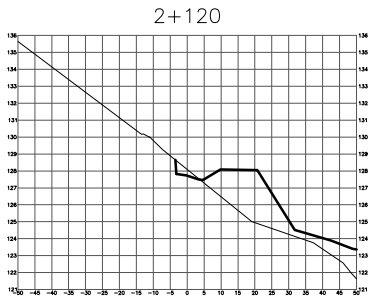
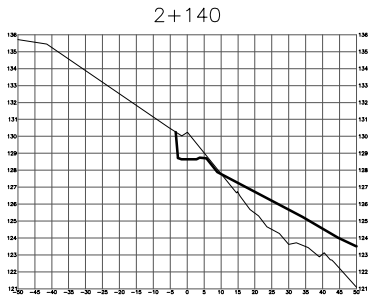
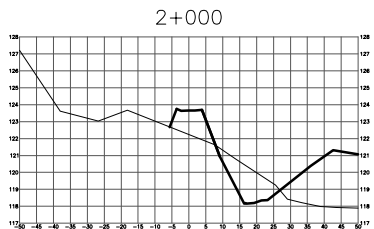
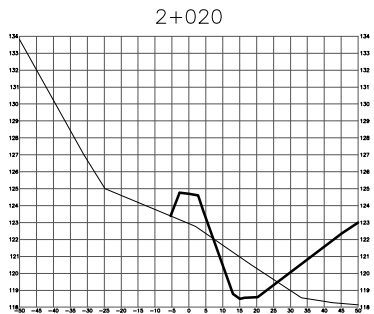
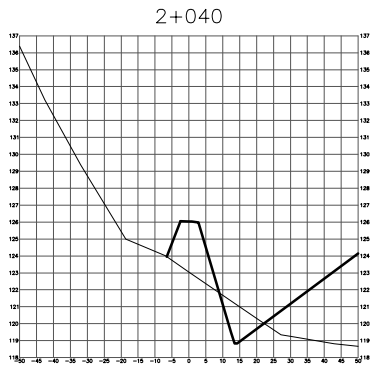
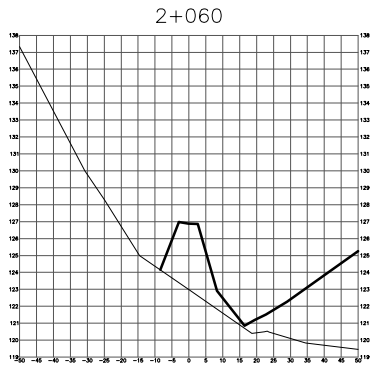


PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

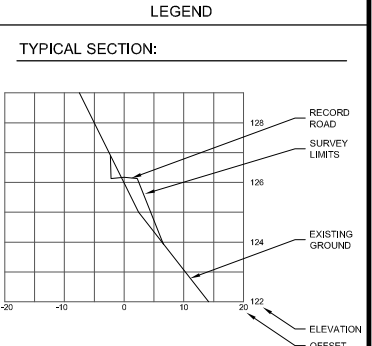
TITLE
LAGOON ROAD PLAN AND PROFILE
STATION 2+000 TO 2+306.05



SCALE
AS SHOWN
DILLON PROJECT NUMBER
05-4319-3000
CLIENT PROJECT NUMBER
3439
DRAWING NUMBER
107



LAGOON ROAD CROSS SECTIONS 2+000 TO 2+300
SCALE 1:1000H 1:200V



-GRAVEL SURFACE IS 100mm DEEP 19mm MINUS
-GRANULAR FILL TO BE WELL GRADED

NOTES

RECORD DRAWING
APPROVED BY: [Signature] DATE: 12/21/07

**DRAWING REDUCED
NOT TO SCALE**

Δ	10/24/07	RECORD	GS
6	12/21/06	RE-ISSUED FOR CONSTRUCTION	GS
5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

THE ASSOCIATION OF
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GEOLOGISTS and GEOPHYSICISTS
OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P-010
DILLON CONSULTING
LIMITED

PROFESSIONAL
ENGINEER
G. STRONG
NWT



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
LAGOON ROAD CROSS SECTIONS
STATION 2+000 TO 2+300

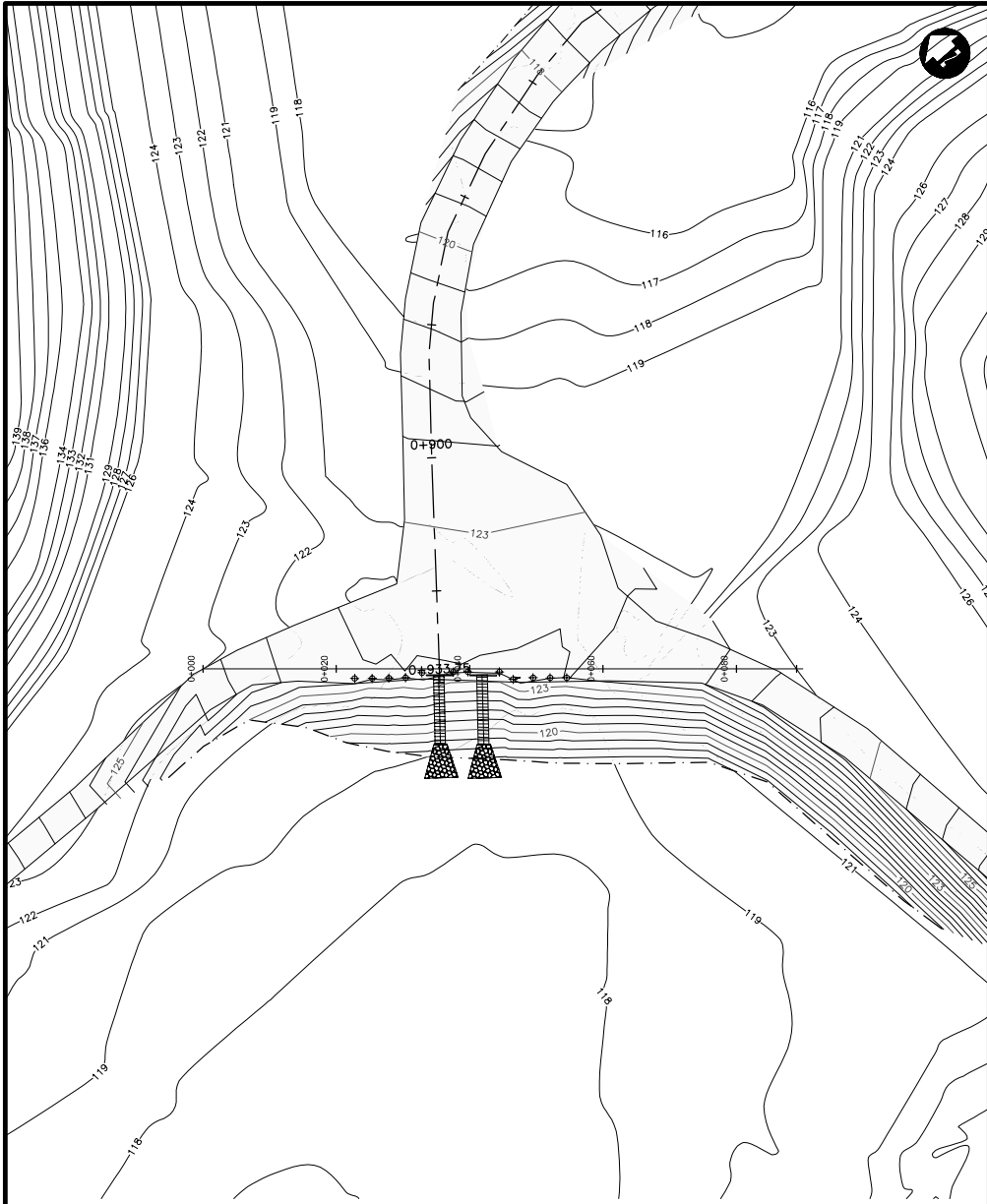
DILLON
CONSULTING

SCALE
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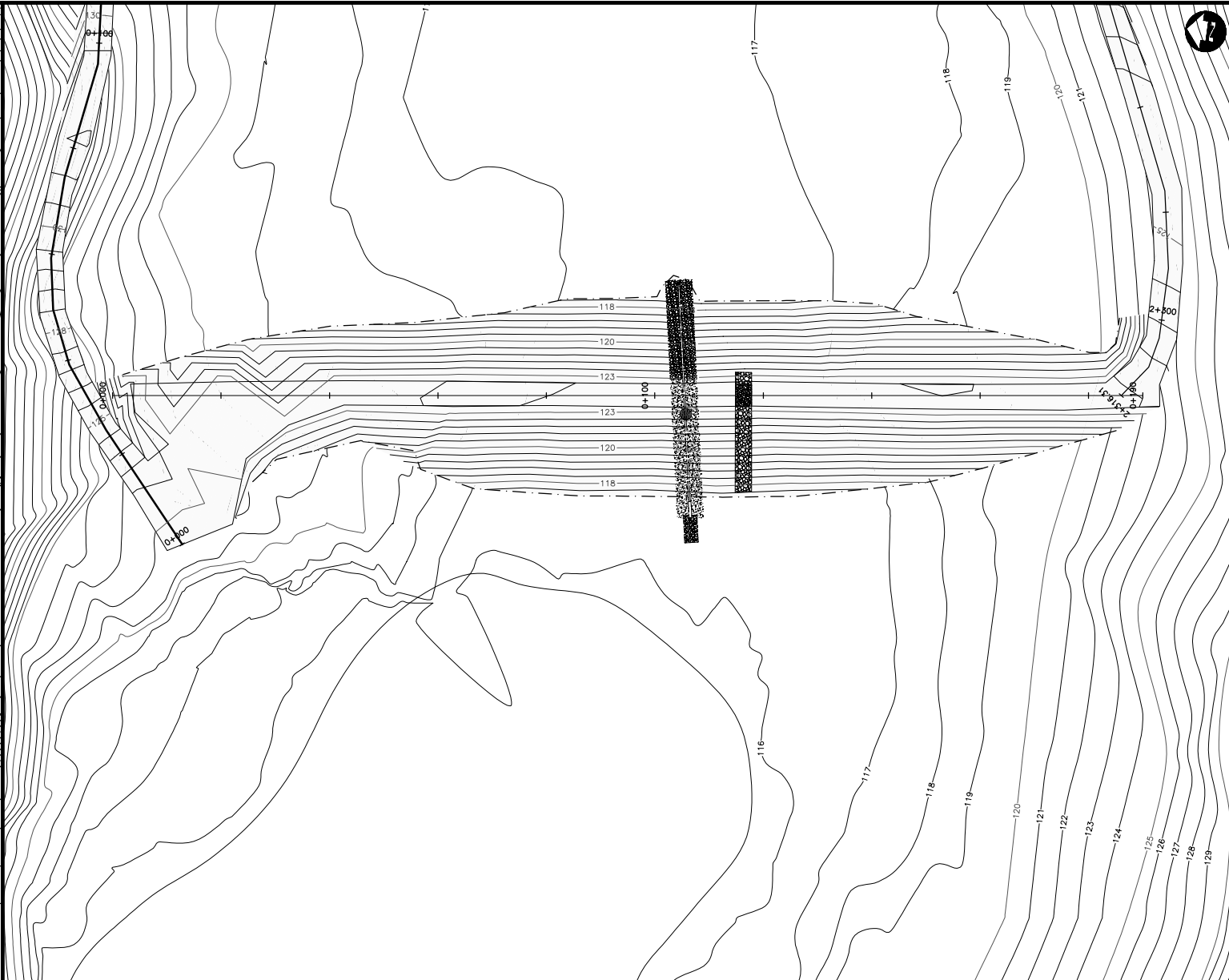
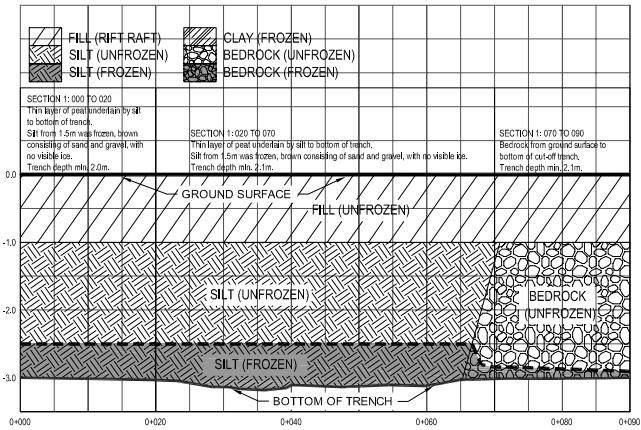
DILLON PROJECT NUMBER
05-4319-3000

CLIENT PROJECT NUMBER
3439

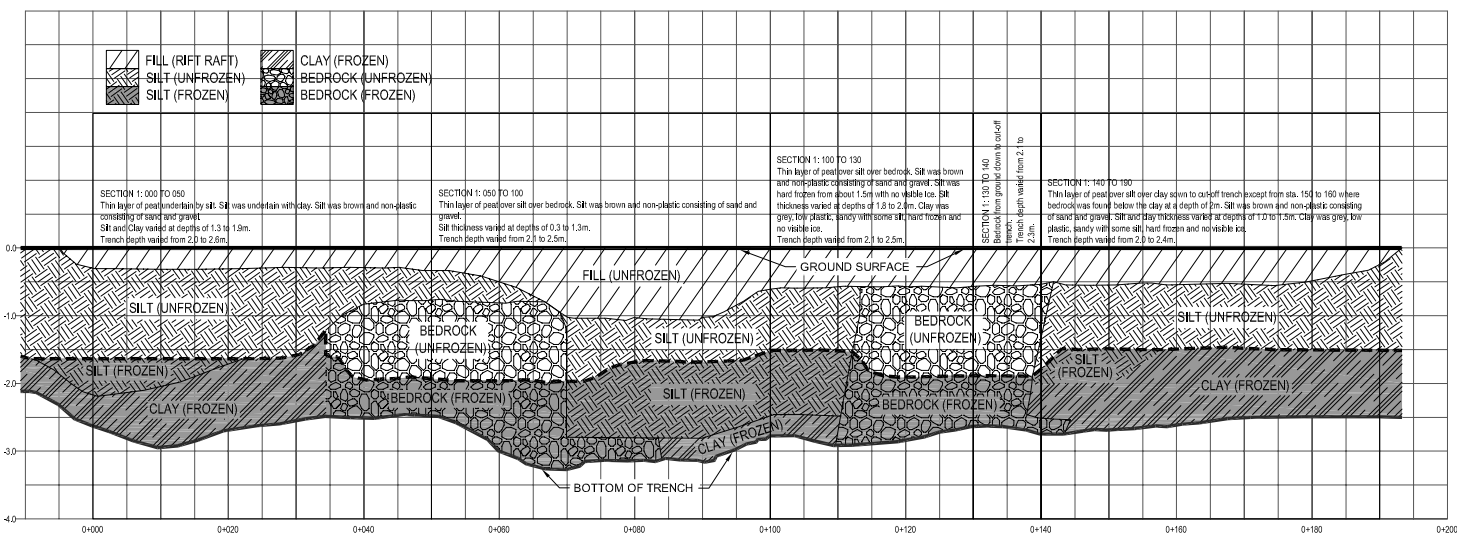
DRAWING NUMBER
108



J NORTH BERM
100/109 SCALE 1:500



L SOUTHWEST BERM
100/109 SCALE 1:500



LEGEND

PLAN:

EXISTING:
MINOR CONTOUR (1m)
MAJOR CONTOUR (5m)

DESIGN:
ROAD CENTERLINE
ROAD EDGE
TOE OF SLOPE
DITCH

PROFILE:

EXISTING:
ROAD CENTERLINE

NOTES

DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

"DESCRIPTION OF DETAIL"

100/101

DETAIL NUMBER

DRAWING SHEET WHERE DETAIL IS SHOWN

DETAIL REFERENCED (THIS DRAWING SHEET)

RECORD DRAWING

APPROVED BY: [Signature]

DATE: Nov 12/07

DRAWING REDUCED
NOT TO SCALE

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5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

THE ASSOCIATION OF
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LIMITED

PROFESSIONAL ENGINEER

G. STONG

NWT

PROJECT

P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE

BERM PLANS AND ELEVATIONS

SCALE

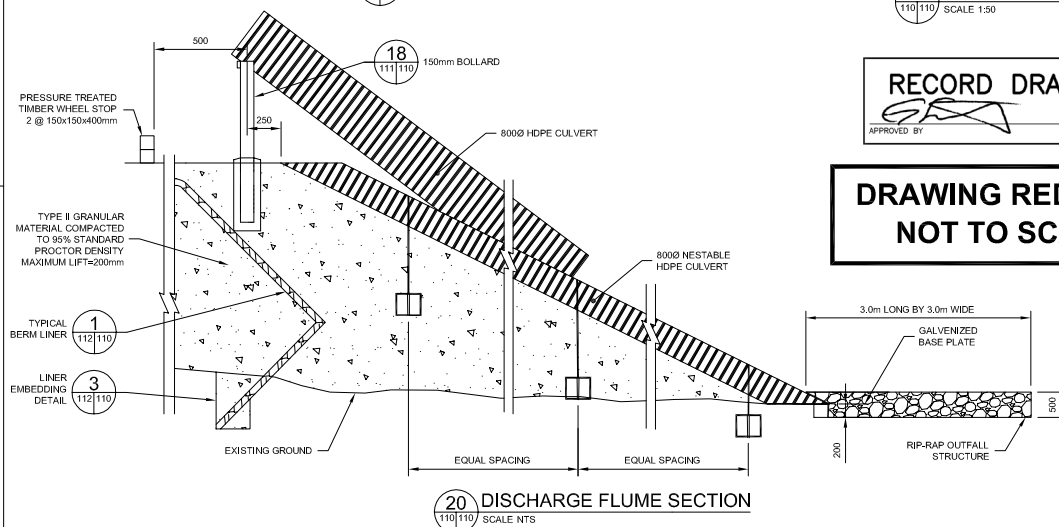
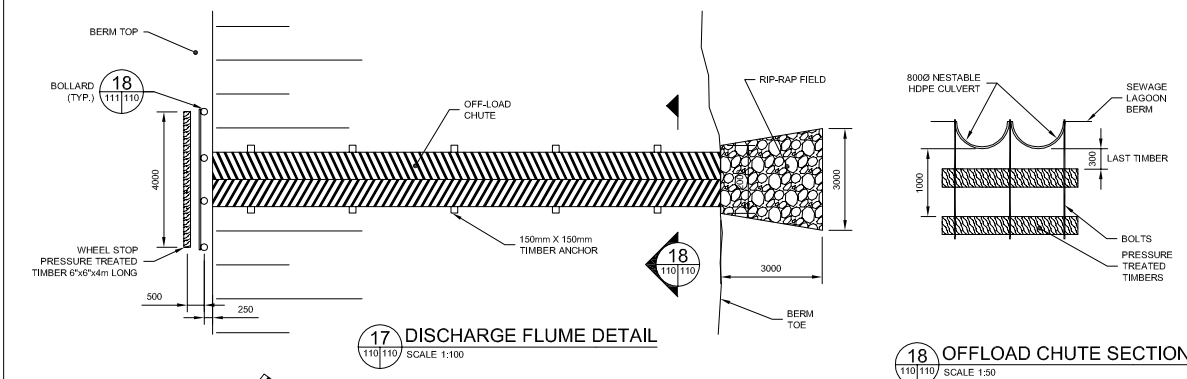
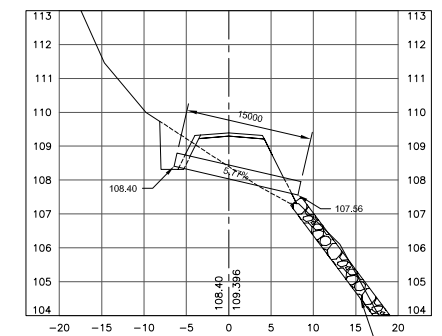
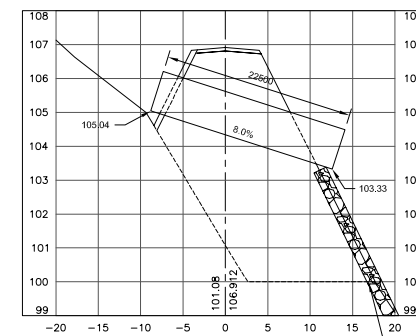
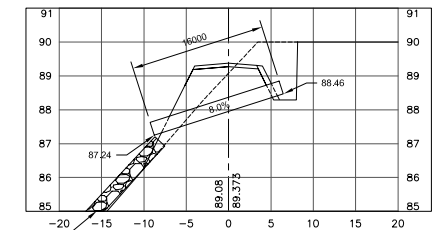
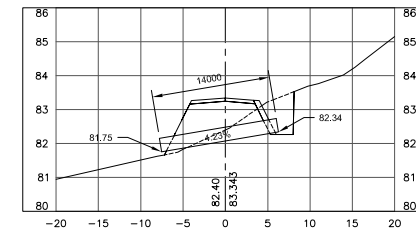
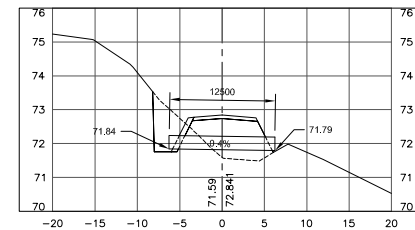
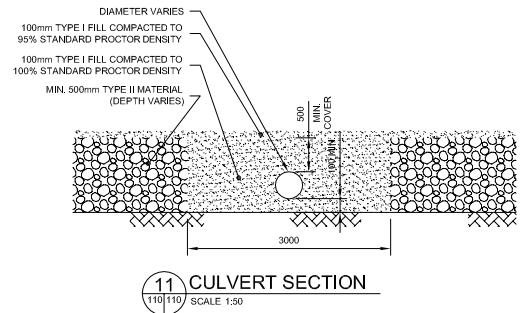
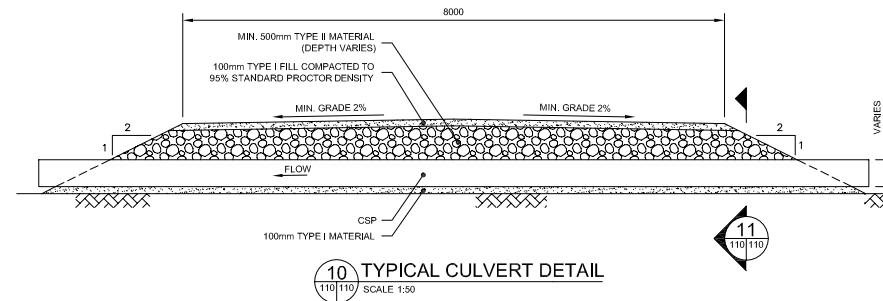
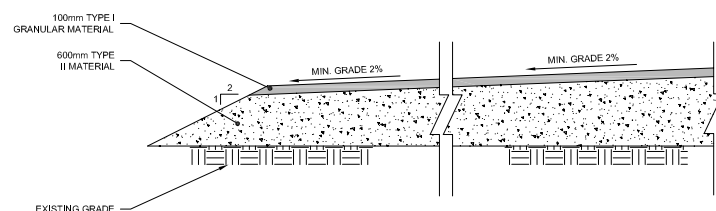
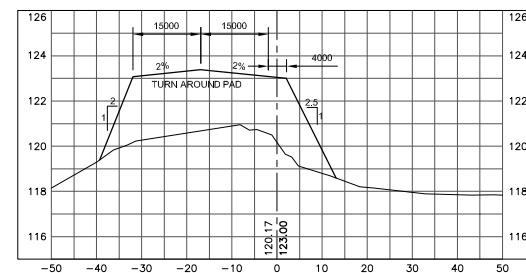
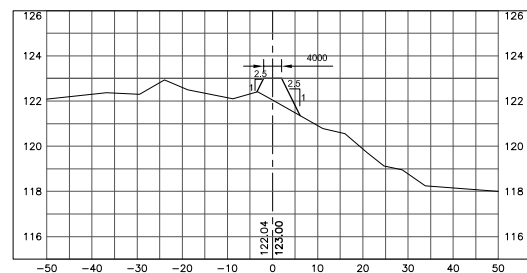
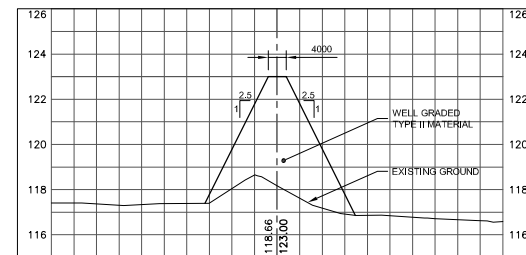
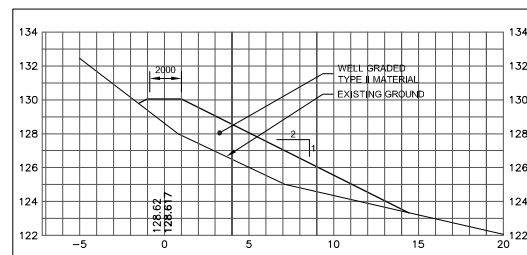
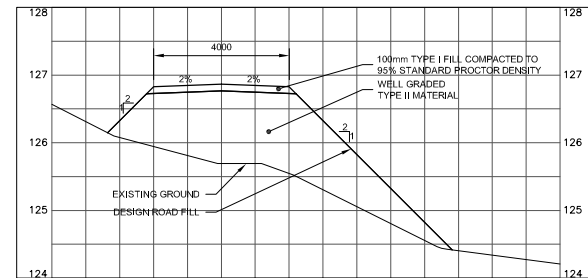
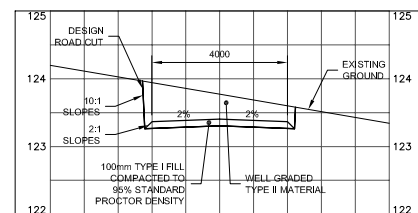
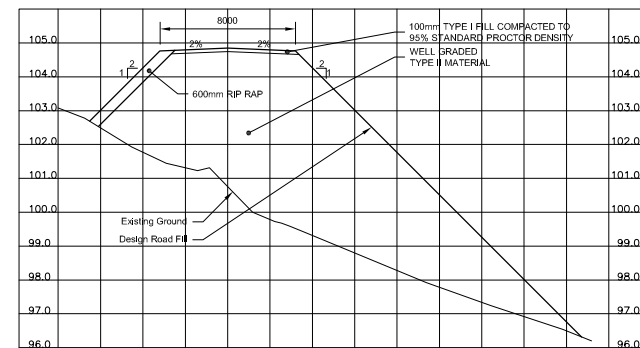
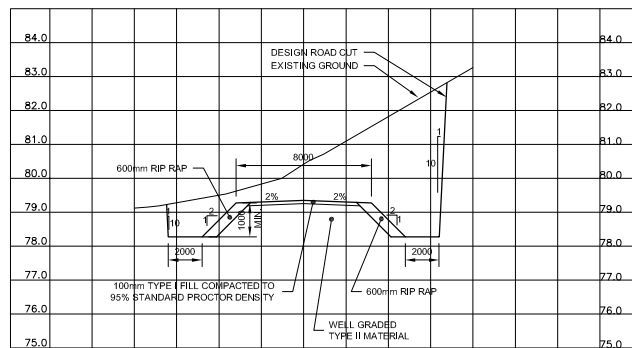
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DILLON PROJECT NUMBER
05-4319-3000

CLIENT PROJECT NUMBER
3439

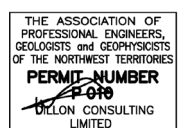
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DILLON CONSULTING



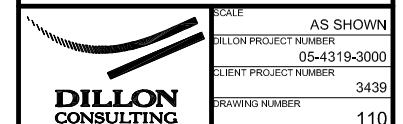
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4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
2	10/28/05	75% SUBMISSION	GS
1	08/11/05	ISSUED FOR CLIENT REVIEW	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS			
DESIGN GS	DRAWN TPW	CHECKED GS	DATE NOV 07

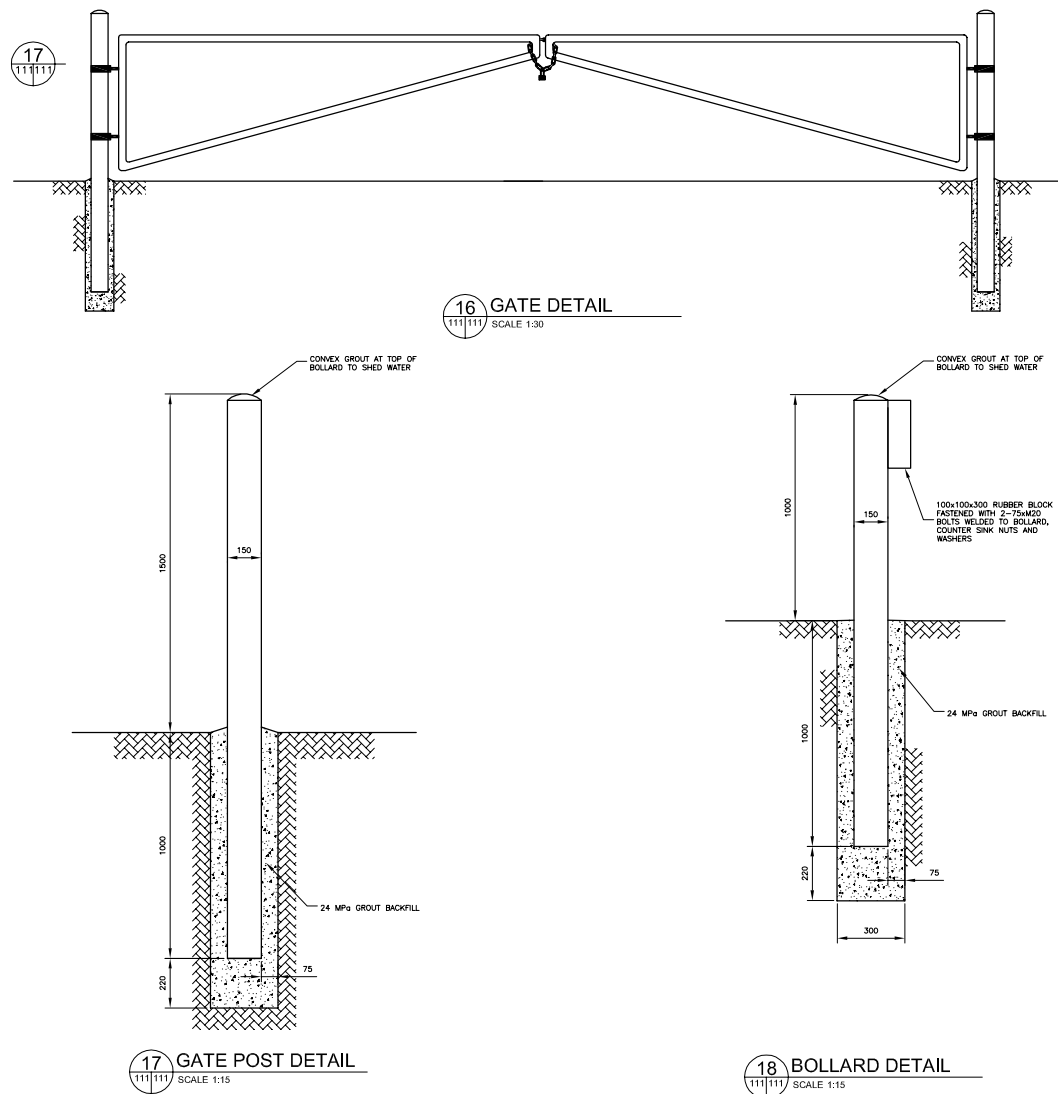
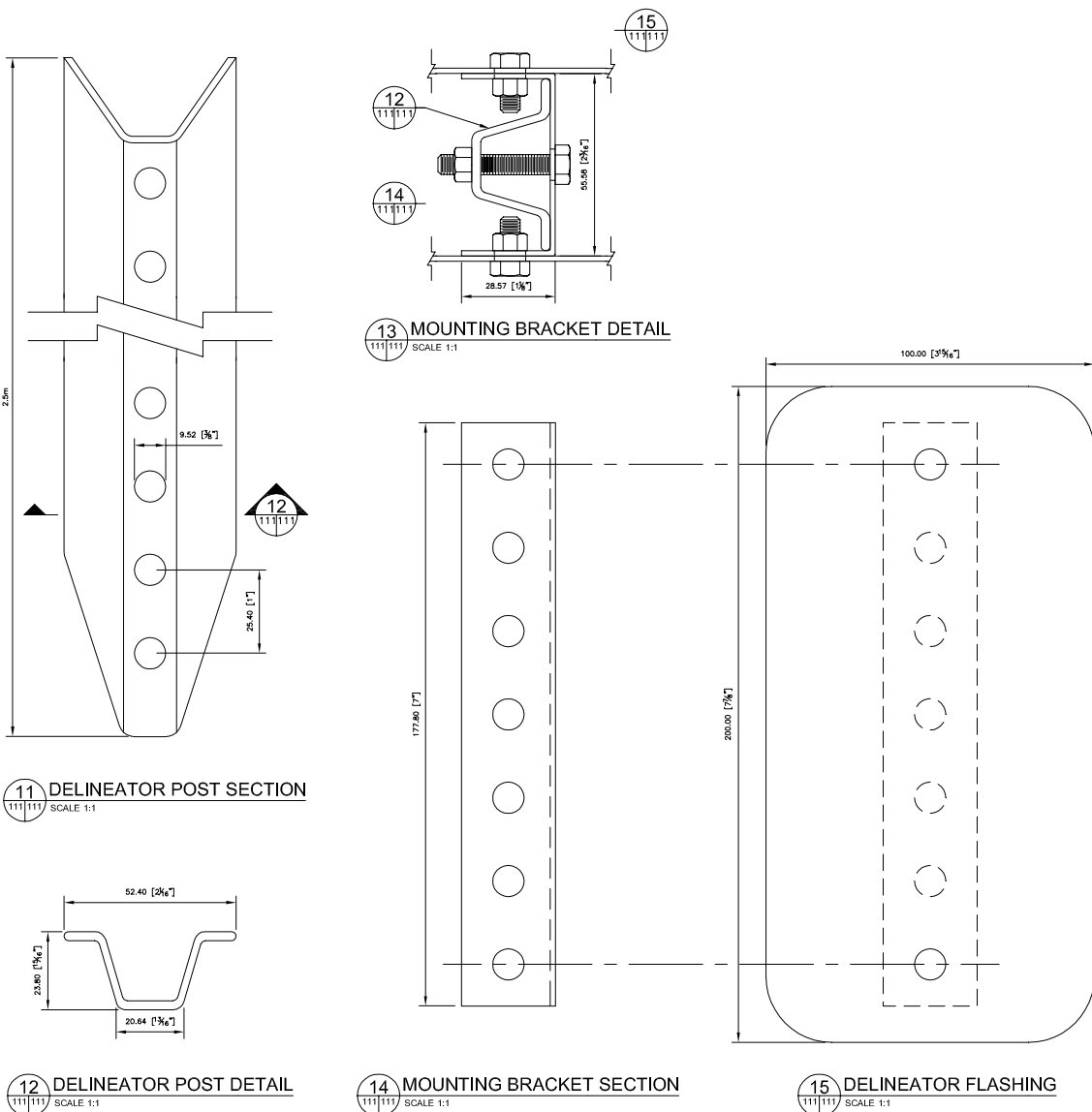
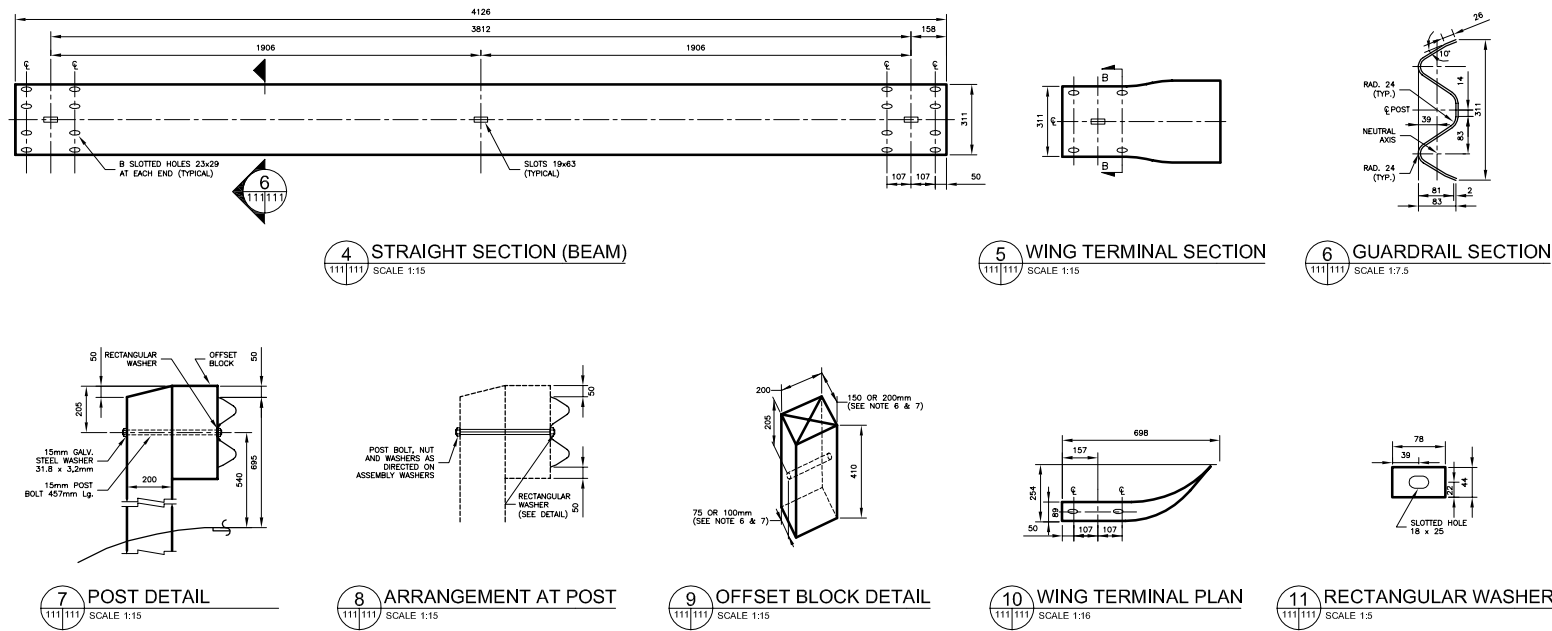
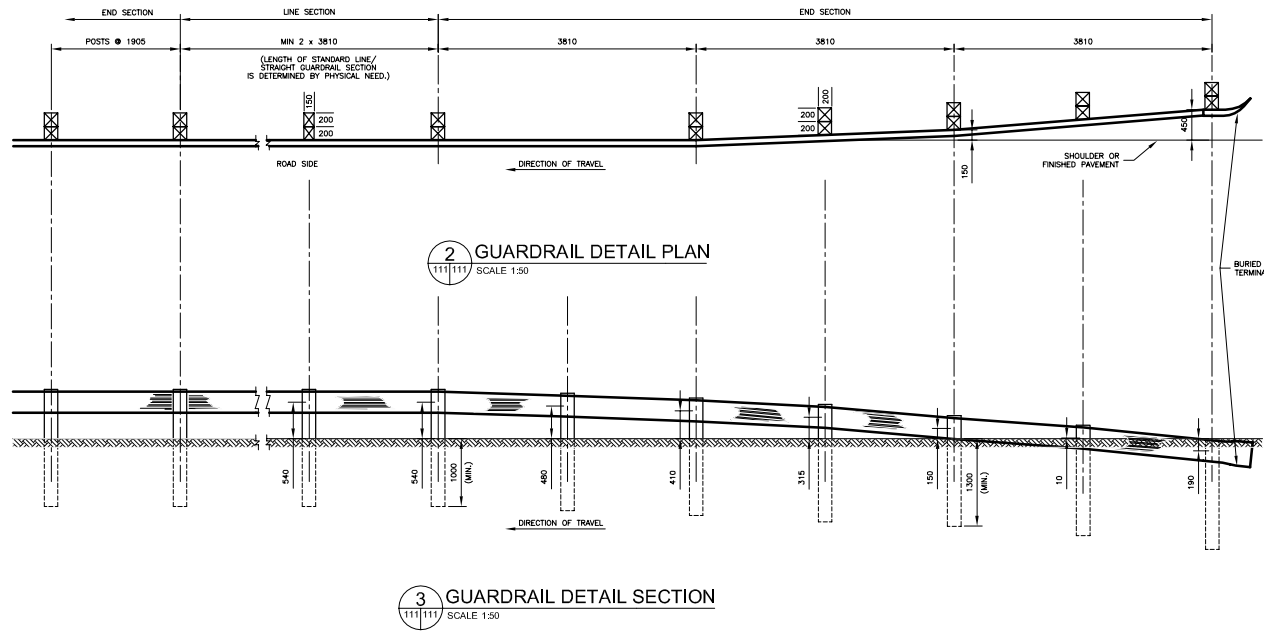


PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
EARTHWORKS & SEWAGE DISCHARGE DETAILS AND SECTIONS



EDIT DATE: 13/11/2007 PLOT DATE: wahrenson, trow 13:11:0000 File:tpw c:\054319\record\dwg\details.dwg

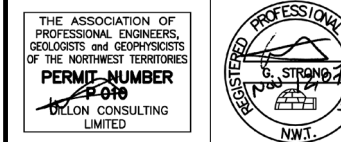


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APPROVED BY: [Signature] DATE: 12/12/07

DRAWING REDUCED
NOT TO SCALE

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5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

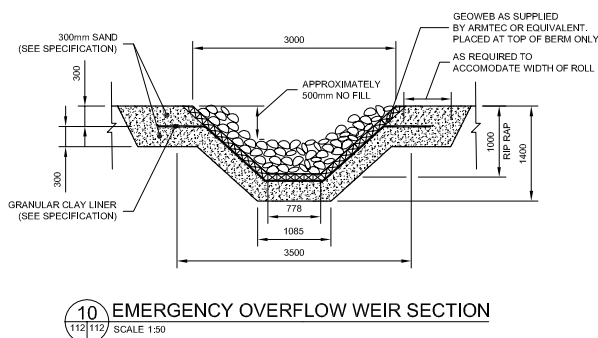
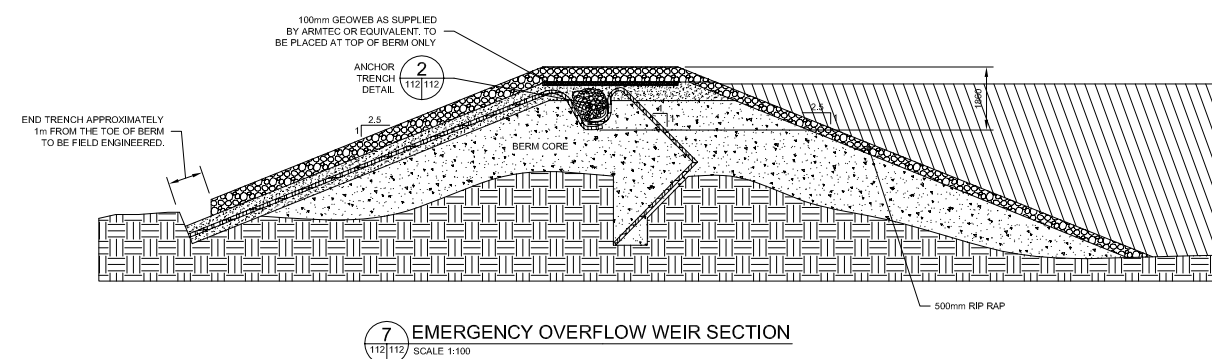
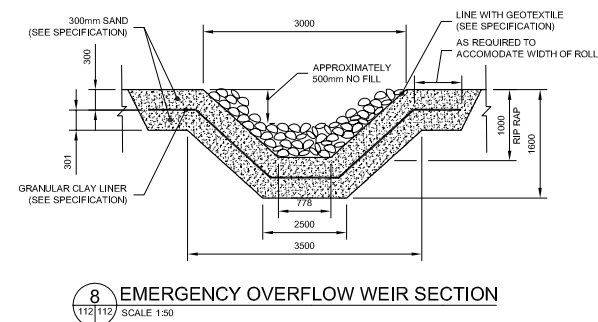
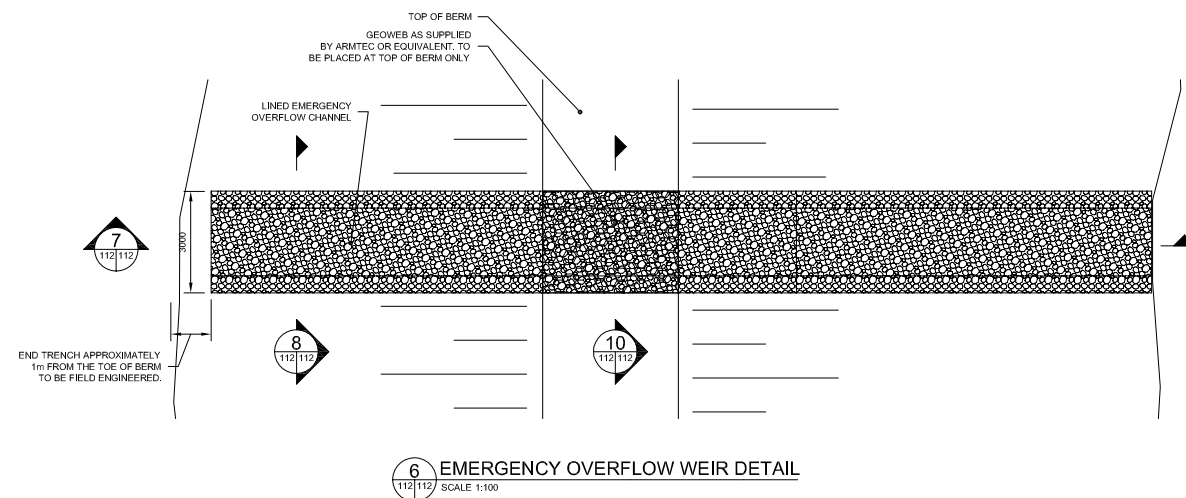
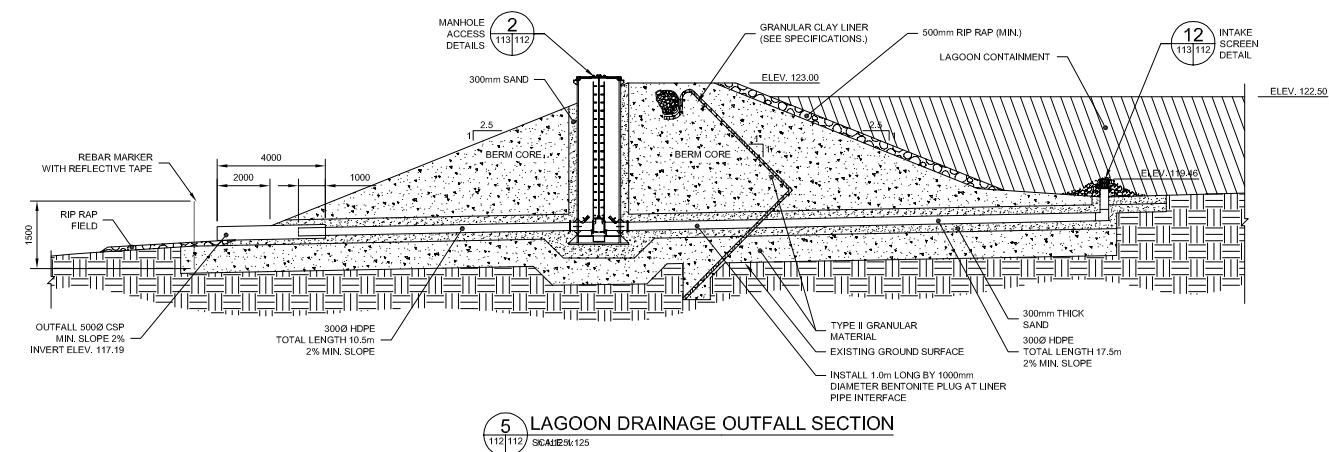
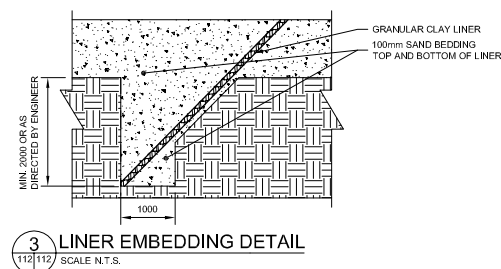
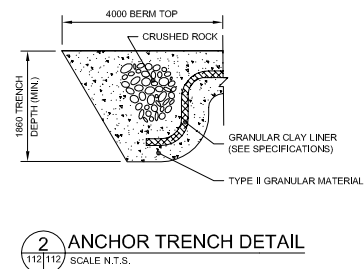
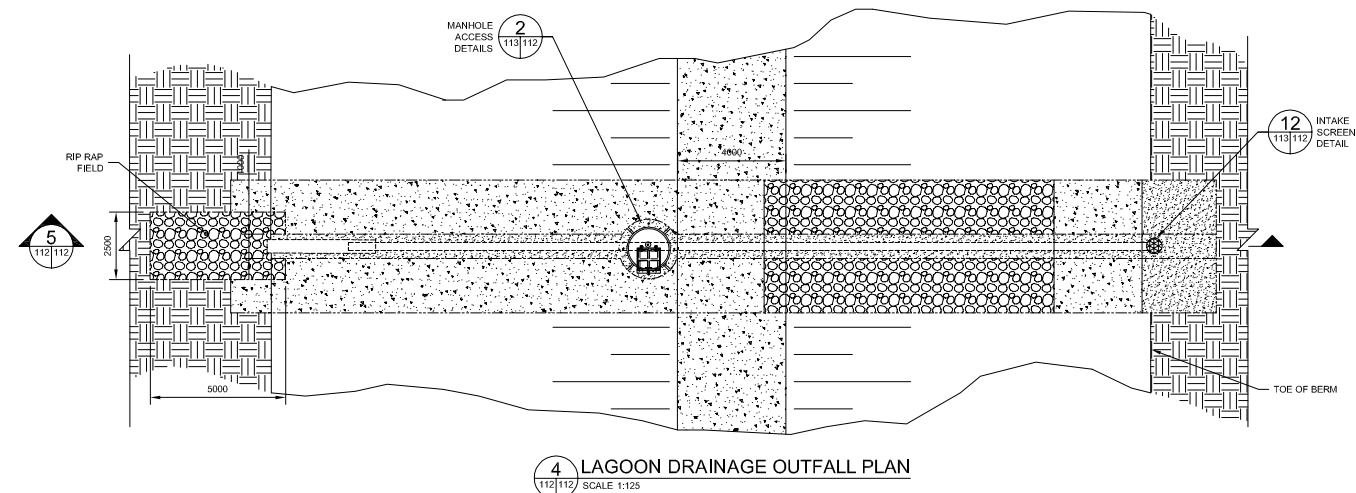
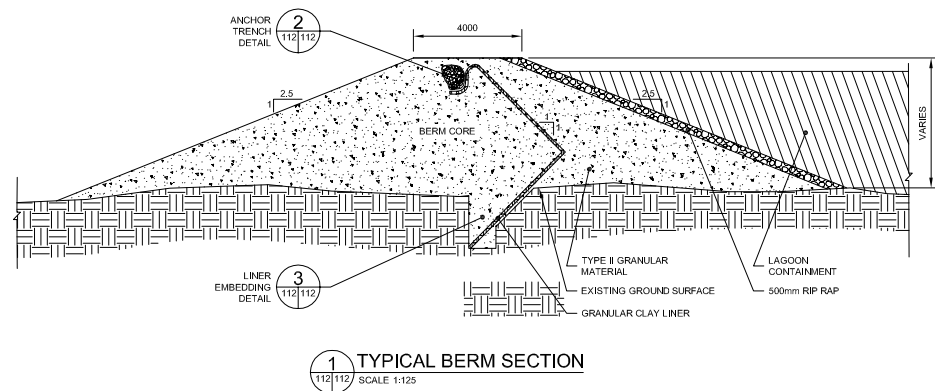
REVISIONS			
DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
GUARDRAIL - DELINEATOR - GATE
DETAILS AND SECTIONS

DILLON CONSULTING
SCALE: AS SHOWN
DILLON PROJECT NUMBER: 05-4319-3000
CLIENT PROJECT NUMBER: 3439
DRAWING NUMBER: 111



- LEGEND**
- | | |
|---|------------------------------|
|  | BENTOMAT ST LINER, SEE SPECS |
|  | TYPE II GRANULAR MATERIAL |
|  | SAND, SEE SPECS |
|  | RIP RAP, SEE SPECS |
|  | EXISTING GROUND |
|  | LAGOON CONTAINMENT AREA |

NOTES:

ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE

1. FOR BACKFILL SPECIFICATIONS & SOIL CLASSIFICATION SEE SPECIFICATIONS.
2. FOR BENTOMAT ST LINER SEE SPECIFICATIONS.
3. FOR ANCHORING TRENCH SEE SPECIFICATIONS.
4. FOR CONCRETE AND WIRE MESH MATERIALS SEE SPECIFICATIONS.
5. BOLLARD TO BE PAINTED RED WITH REFLECTIVE BANDS. SEE SPECIFICATIONS.

RECORD DRAWING

APPROVED BY [Signature] DATE Nov 12/07

**DRAWING REDUCED
NOT TO SCALE**

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4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

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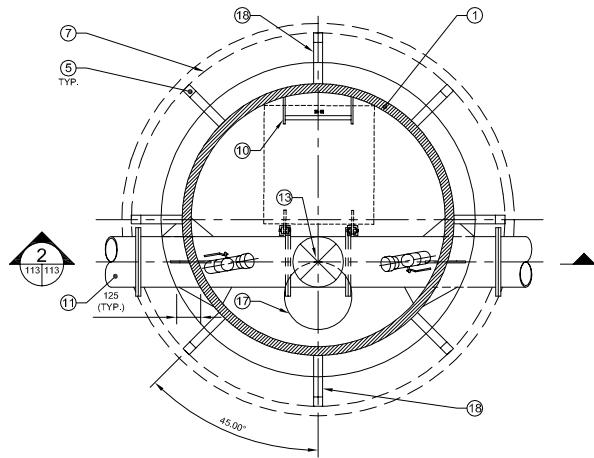
PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
LAGOON BERM SECTIONS AND
DETAILS

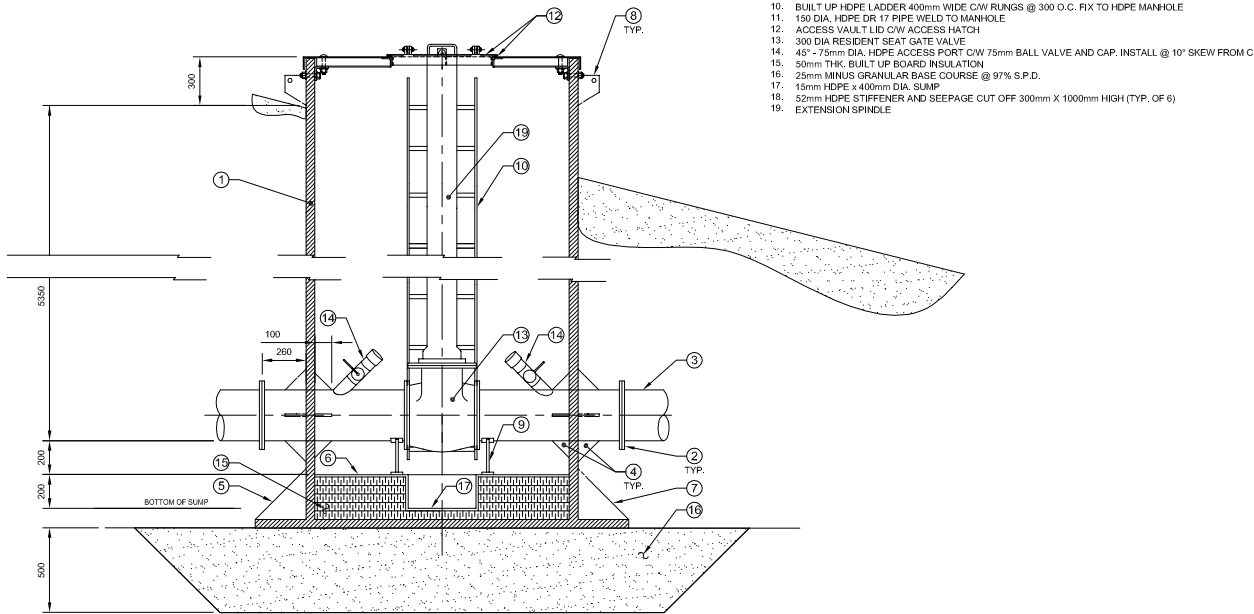


**DILLON
CONSULTING**

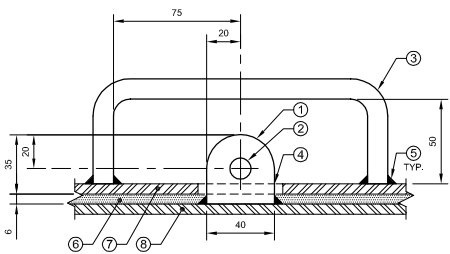
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DILLON PROJECT NUMBER	05-4319-3000
CLIENT PROJECT NUMBER	3438
DRAWING NUMBER	112



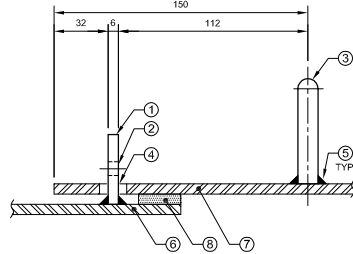
1 WATER SUPPLY LINE MANHOLE PLAN
113/113 SCALE 1:20



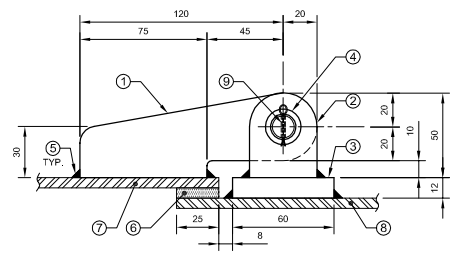
2 WATER SUPPLY LINE MANHOLE SECTION
113/113 SCALE 1:20



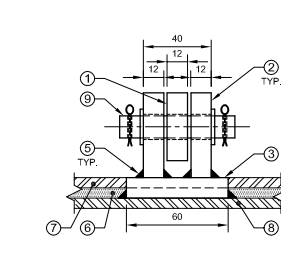
6 HASP AND LIFTING HANDLE DETAIL
113/113 SCALE 1:2



7 HASP AND LIFTING HANDLE SECTION
113/113 SCALE 1:2



8 MANHOLE ACCESS HATCH HINGE DETAIL
113/113 SCALE 1:2



9 MANHOLE ACCESS HATCH HINGE SECTION
113/113 SCALE 1:2

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)
- 52mm 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. FIX TO HDPE MANHOLE
- 150 DIA. HDPE DR 17 PIPE WELD TO MANHOLE
- ACCESS VAULT LID C/W ACCESS HATCH
- 300 DIA. RESIDENT SEAT GATE VALVE
- 45° - 75mm DIA. HDPE ACCESS 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

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 COATS OF GALVCON.

KEYNOTES:

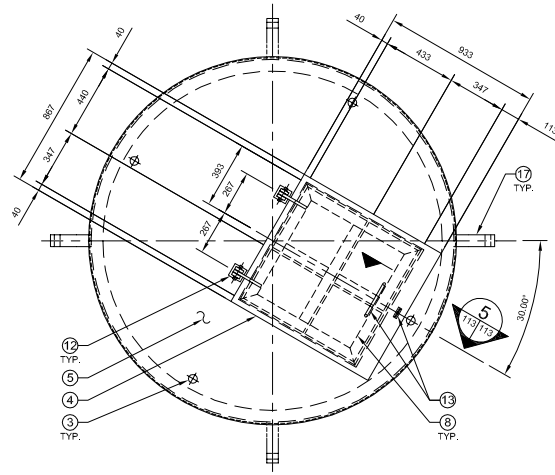
- 6mm THK. GALV. STEEL STAPLE
- 12.5mm DIA. DRILLED HOLE FOR PADLOCK
- 12.5mm DIA. GALV. STEEL BAR LIFTING HANDLE
- 50mmx15mm SLOT HOLE
- 6mm FILLET WELD ALL AROUND (TYP.)
- 25mm WIDE x 6mm THK. RUBBER GASKET MASTIC TO UNDERSIDE OF HATCH COVER (TYPICAL 4 SIDES)
- 6mm THK. GALV. STEEL PLATE ACCESS HATCH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

NOTES:

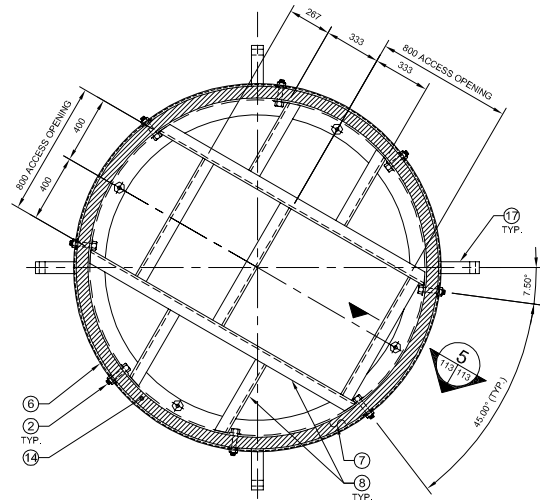
1. ACCESS MANHOLE LID & HATCH ANGLE FRAMING ARE NOT SHOWN FOR CLARITY. FOR DETAIL REFER TO FRAMING PLAN AS PER DETAIL.
2. ALL WELDS AND ABRASIONS TO BE REPAIRED WITH TWO COATS OF GALVCON.

KEYNOTES:

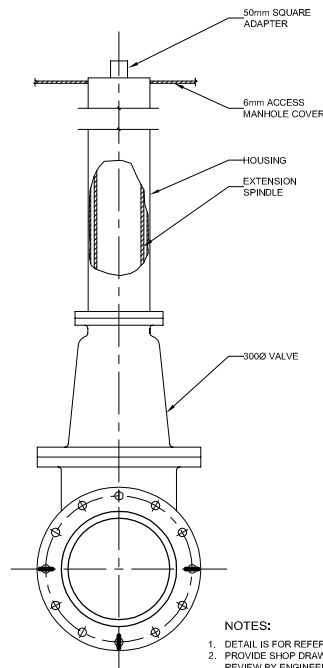
- 12mm THK. GALV. STEEL HINGE ARM C/W HOLE FOR 13mm DIA. PIN
- 12mm THK. GALV. STEEL HINGE ARM SUPPORT C/W HOLE FOR 13mm DIA. PIN (TYPICAL OF 2)
- 60mm x 60mm x 12mm THK. GALV. STEEL BASE PLATE
- GALV. STEEL WASHER (TYP.)
- 6mm FILLET WELD ALL AROUND
- 25mm WIDE x 6mm THK. RUBBER GASKET MASTIC TO UNDERSIDE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



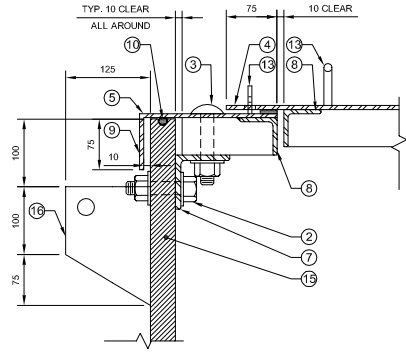
3 MANHOLE ACCESS HATCH FRAMING DETAIL
113/113 SCALE 1:20



4 MANHOLE LID FRAMING DETAIL
113/113 SCALE 1:20



10 EXTENSION SPINDLE DETAIL
113/113 SCALE 1:10



5 MANHOLE ACCESS SECTION
113/113 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 COATS 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, CARTRIDGE 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
- 75x75x8 GALV. ROLLED ANGLE CONTINUOUS ALL AROUND AND BOLTED TO HDPE MANHOLE
- 55x55x6 GALV. ANGLE SEE LID FRAMING DETAIL 3
- 55x55x6 GALV. ANGLE SEE ACCESS HATCH FRAMING DETAIL 4
- 12.5mm DIA. RUBBER GASKET IN ROUTERED 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.
- HDPE MANHOLE WALL
- 1600mm DIA. HDPE DR 32.5 MANHOLE WALL
- HDPE LIFTING HOOK SEE FRAMING DETAIL FOR ARRANGEMENT
- 52mm HDPE LIFTING HOOK C/W 25mm DIA. HOLE (4 REQ'D)

RECORD DRAWING

APPROVED BY: [Signature] DATE: Nov 12/07

DRAWING REDUCED
NOT TO SCALE

Δ	10/24/07	RECORD	GS
6	12/21/06	RE-ISSUED FOR CONSTRUCTION	GS
5	09/07/06	ISSUED FOR CONSTRUCTION	GS
4	03/07/06	ISSUED FOR TENDER	GS
3	01/20/06	95% SUBMISSION	GS
CHANGE	DATE	DESCRIPTION	CHECK

REVISIONS

DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P-010
DILLON CONSULTING
LIMITED



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET
TITLE
ACCESS MANHOLE DETAILS

SCALE	AS SHOWN
DILLON PROJECT NUMBER	05-4319-3000
CLIENT PROJECT NUMBER	3439
DRAWING NUMBER	113