

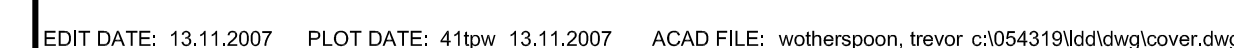


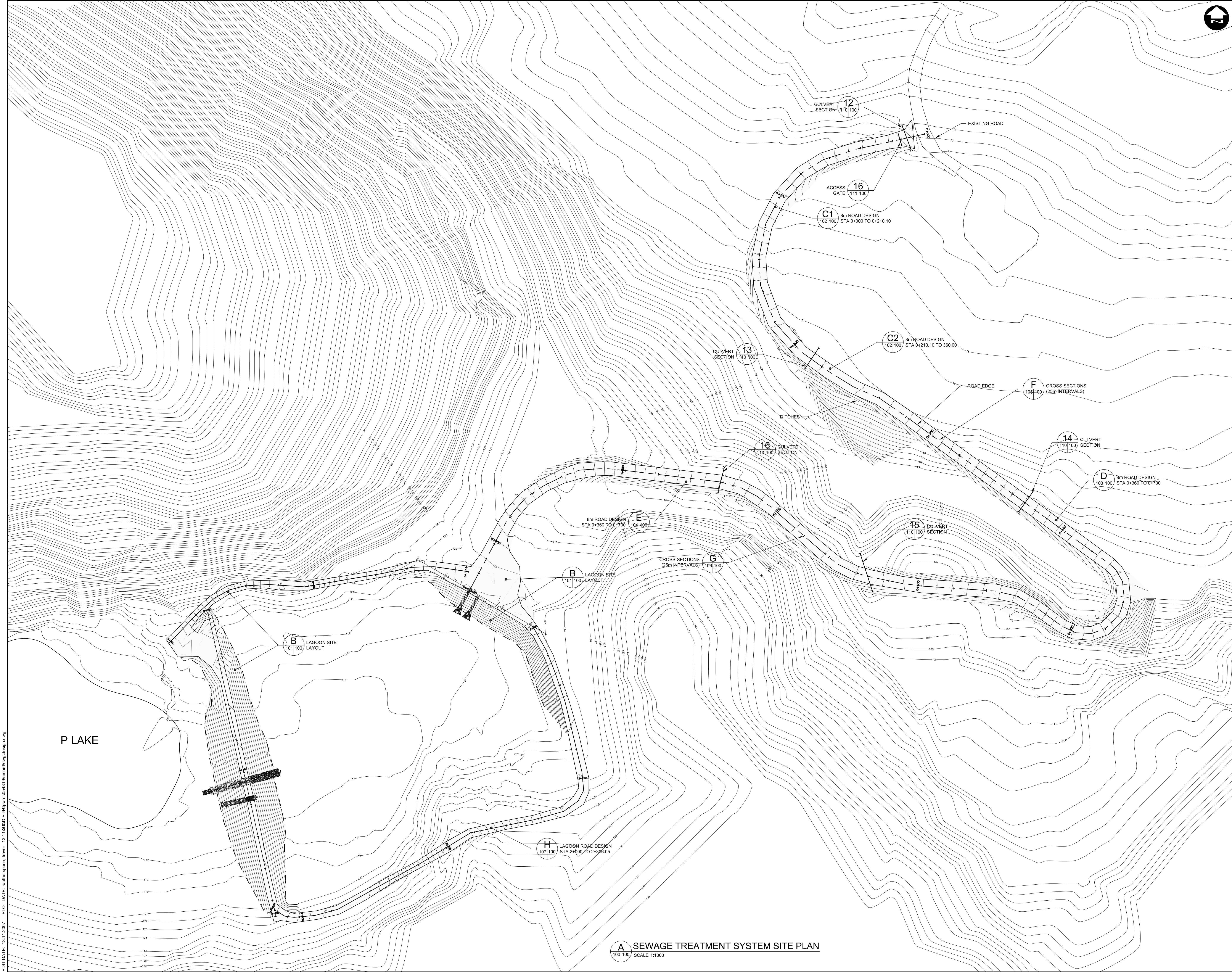
DATE: NOVEMBER 2007



RECORD DRAWING

APPROVED BY  DATE Nov 12/07





LEGEND

PLAN:

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

DESIGN:
ROAD CENTERLINE _____
ROAD EDGE _____
TOE OF SLOPE _____
CUT LIMITS _____
GUARDRAIL _____
DELINEATOR _____
LAGOON CONTAINMENT LIMIT _____
BOLLARD _____
FLOW DIRECTION _____

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) _____

RECORD DRAWING

APPROVED BY: _____ DATE: Nov 12/07

1	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

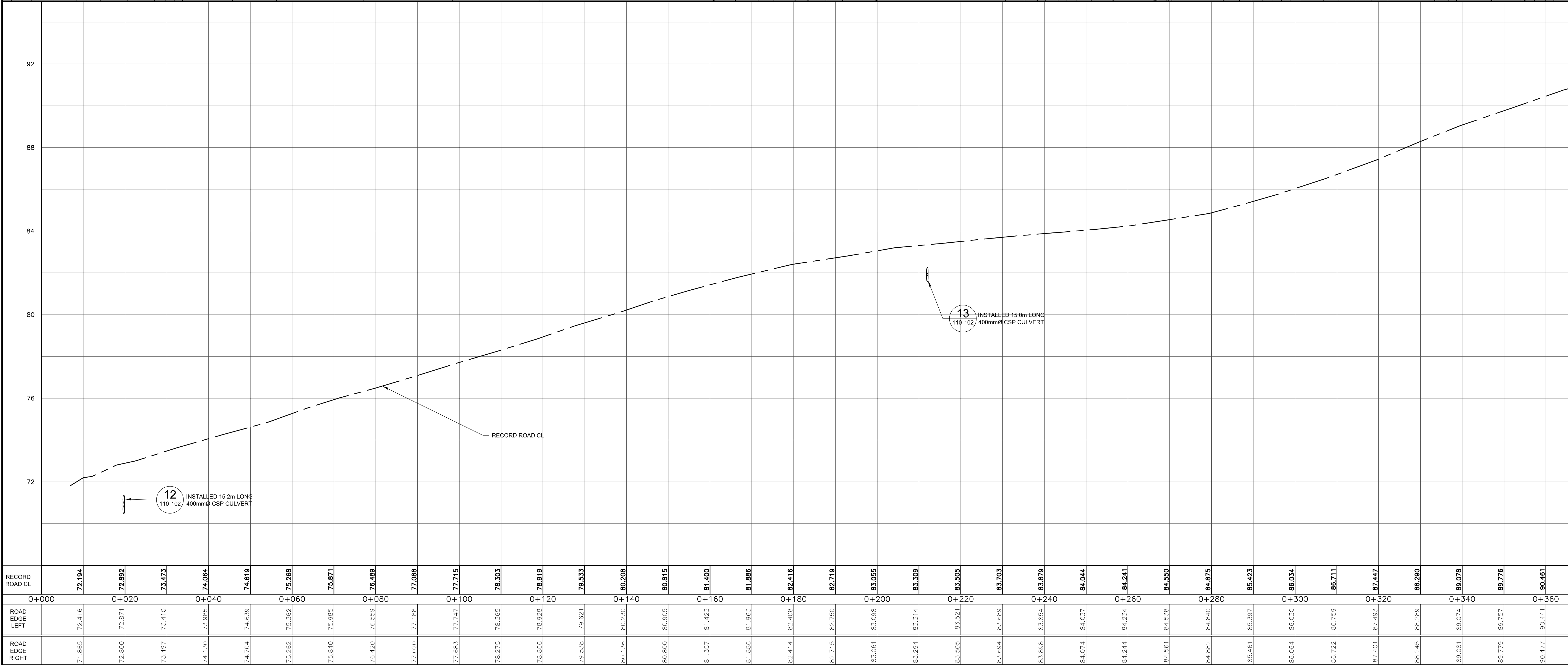
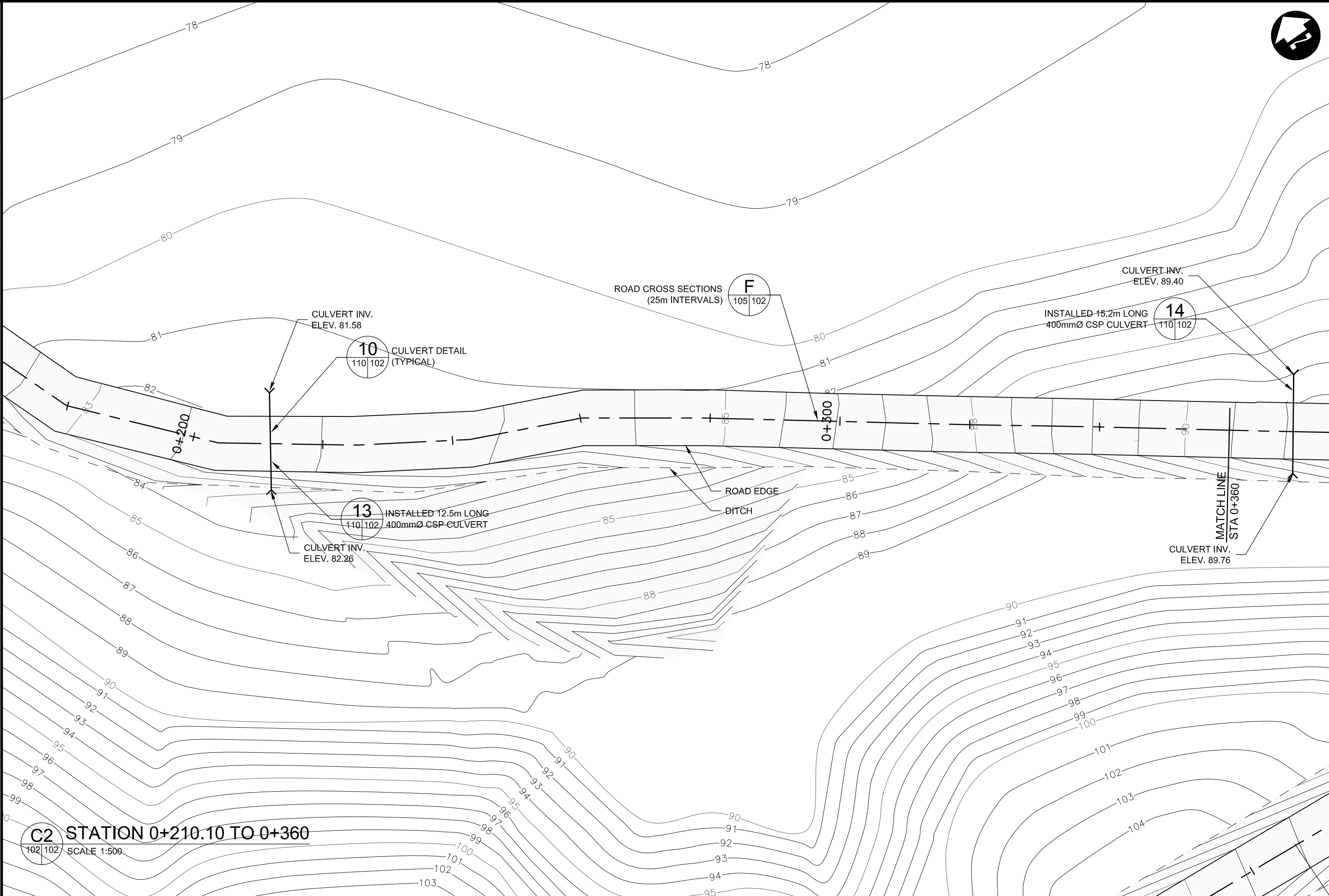
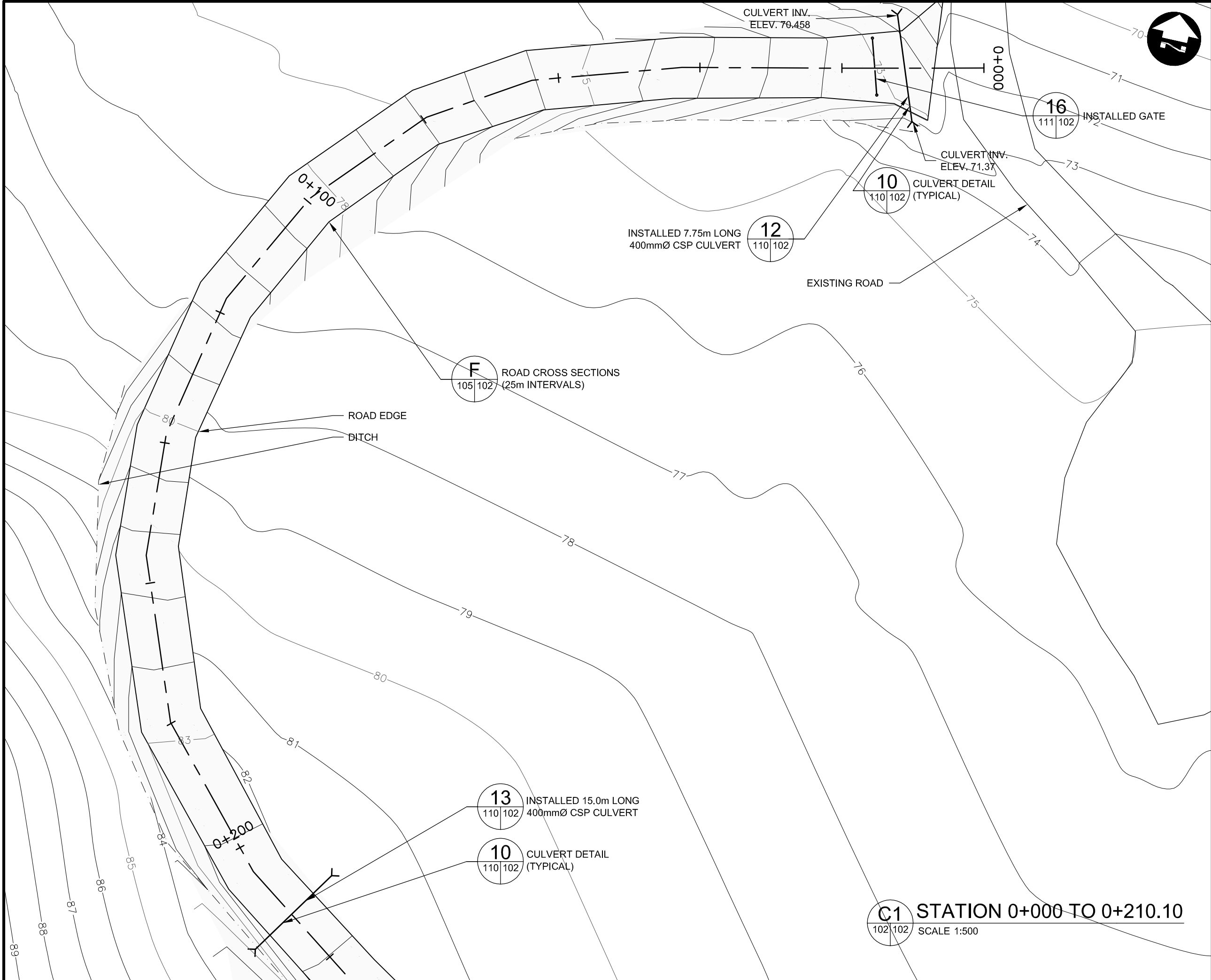
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THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P-010 DILLON CONSULTING LIMITED		REGISTERED PROFESSIONAL ENGINEER C. STRONG NOV 24/07 N.W.T.	



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
SITE PLAN

	SCALE	AS SHOWN
	DILLON PROJECT NUMBER	05-4319-3000
	CLIENT PROJECT NUMBER	3439
	DRAWING NUMBER	100



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" _____
DRAWING SHEET _____
WHERE DETAIL IS SHOWN _____

DETAIL NUMBER _____
DETAIL REFERENCED (THIS DRAWING SHEET) _____

RECORD DRAWING

APPROVED BY _____
DATE _____

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

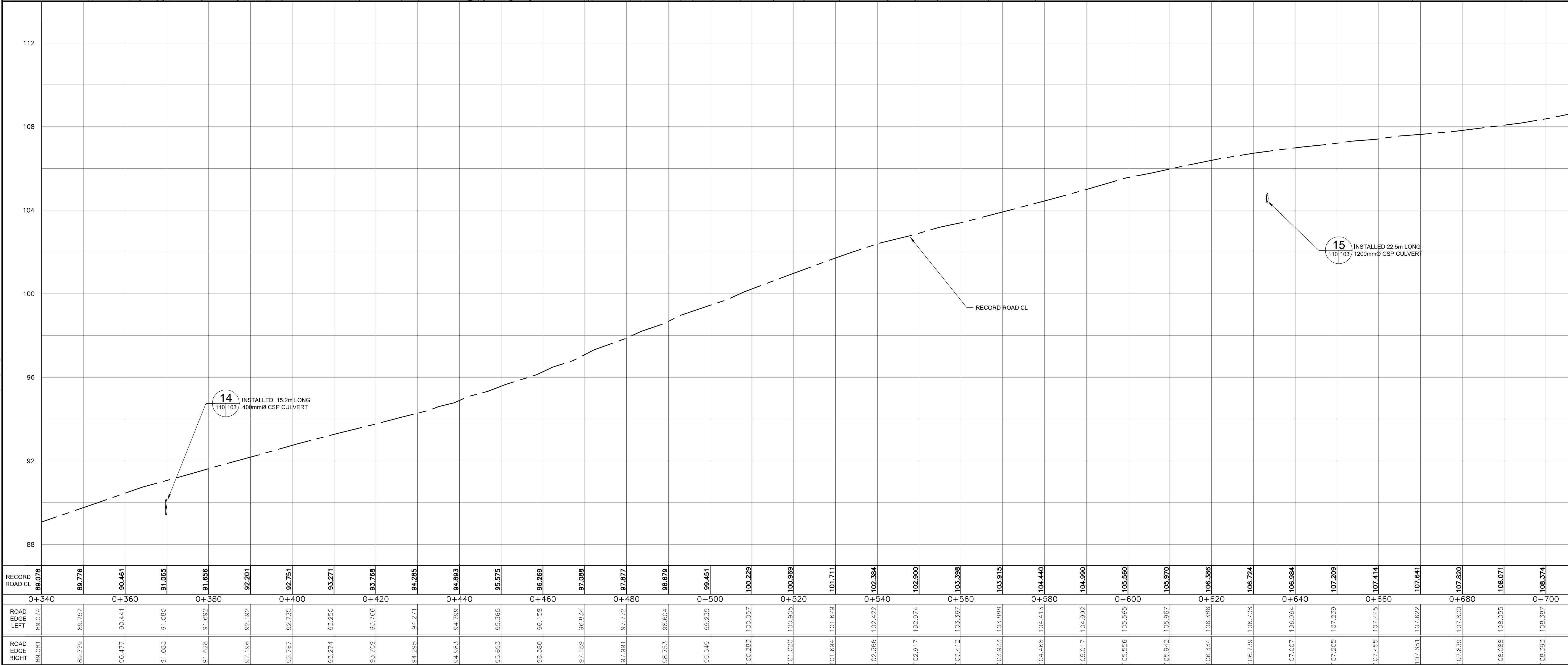
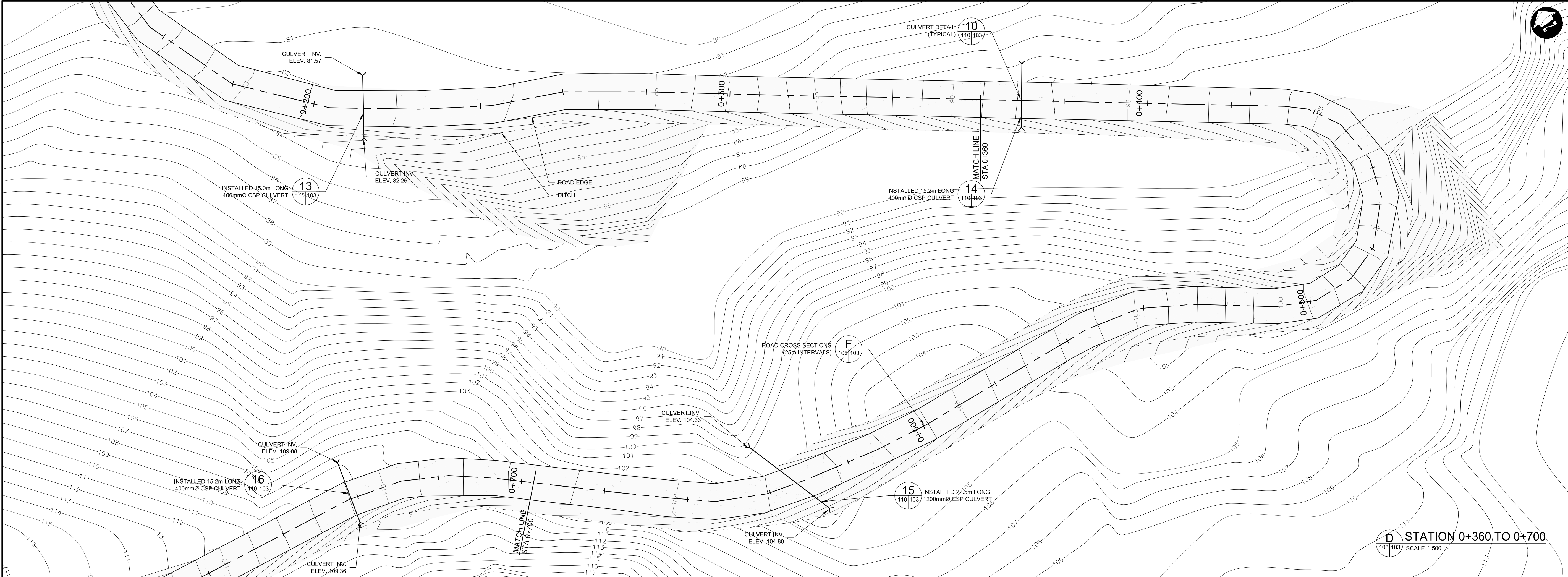
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THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER 2018 DILLON CONSULTING LIMITED		REGISTERED PROFESSIONAL ENGINEER C. STRONG NWT.	



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

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

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



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"	DETAIL NUMBER
DRAWING SHEET	100/101
WHERE DETAIL IS SHOWN	DETAIL REFERENCED (THIS DRAWING SHEET)

RECORD DRAWING

DESIGN	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

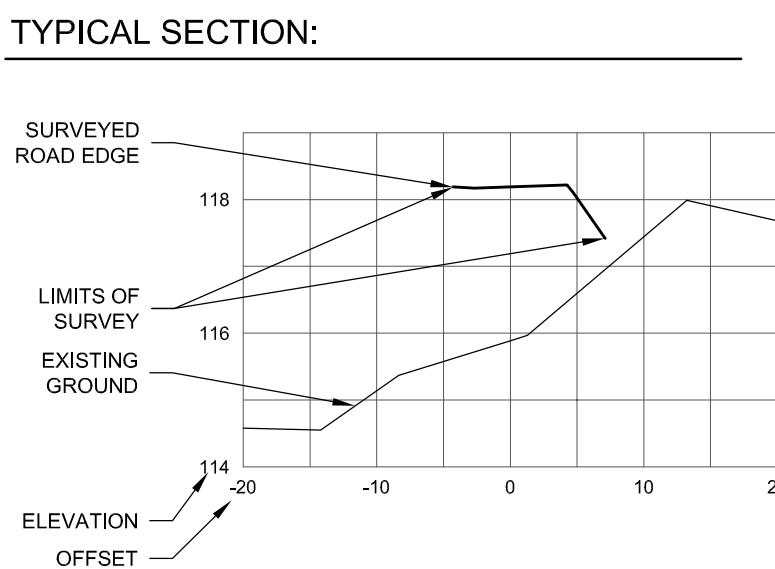
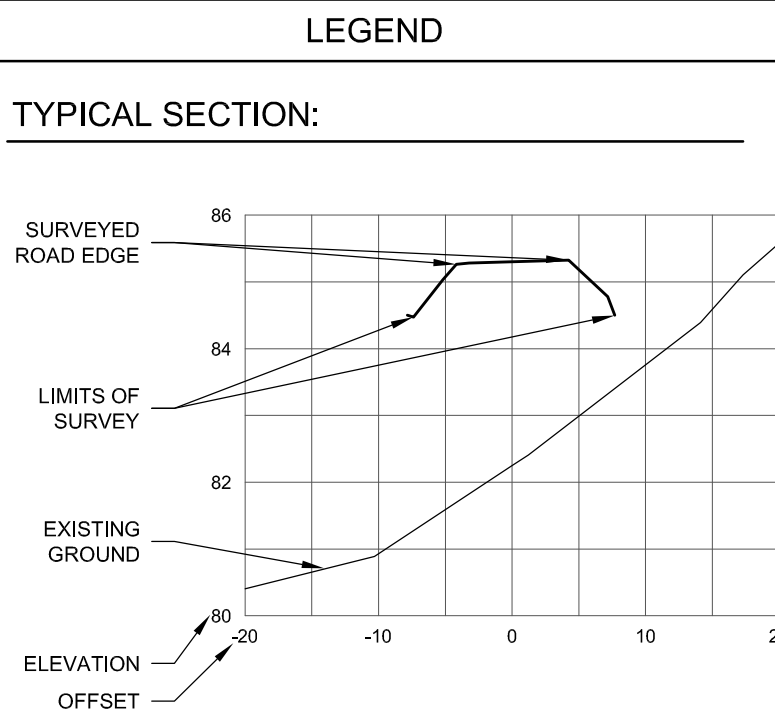
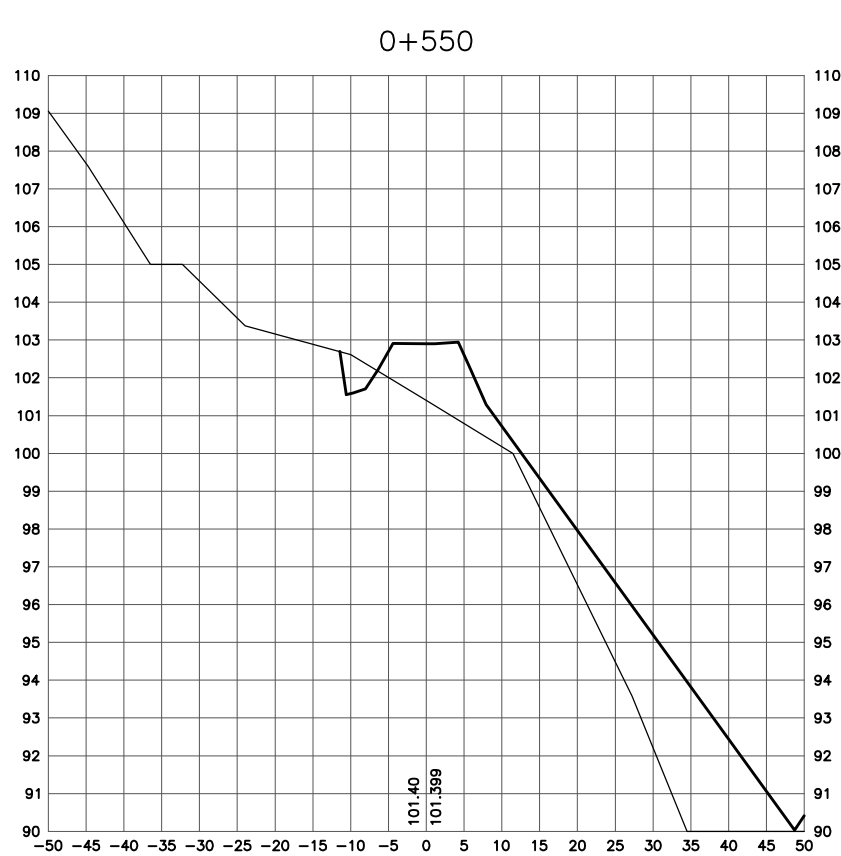
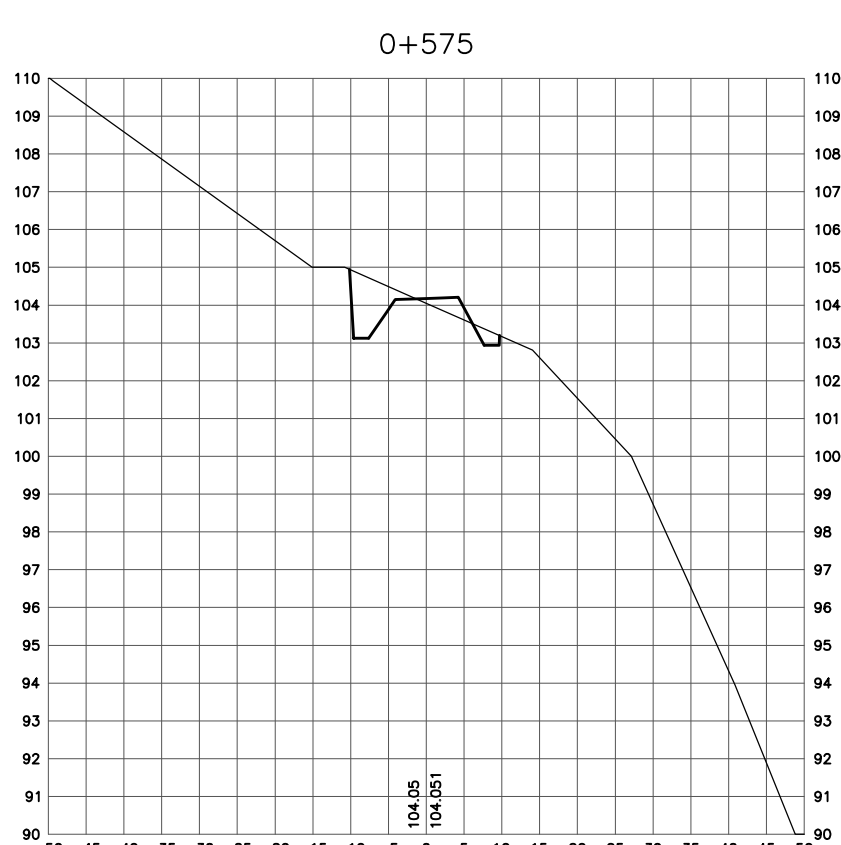
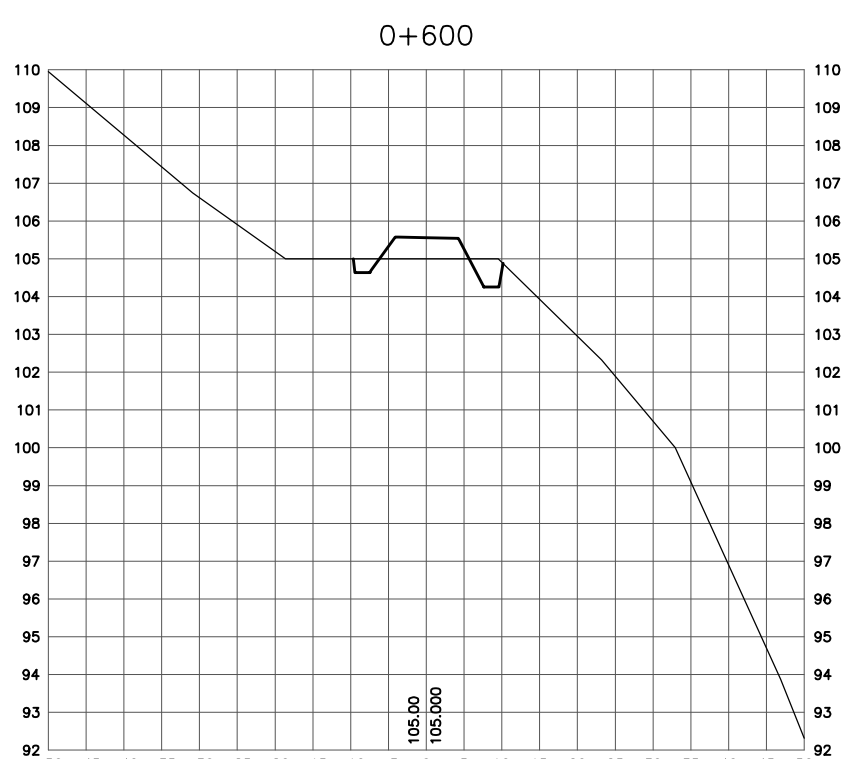
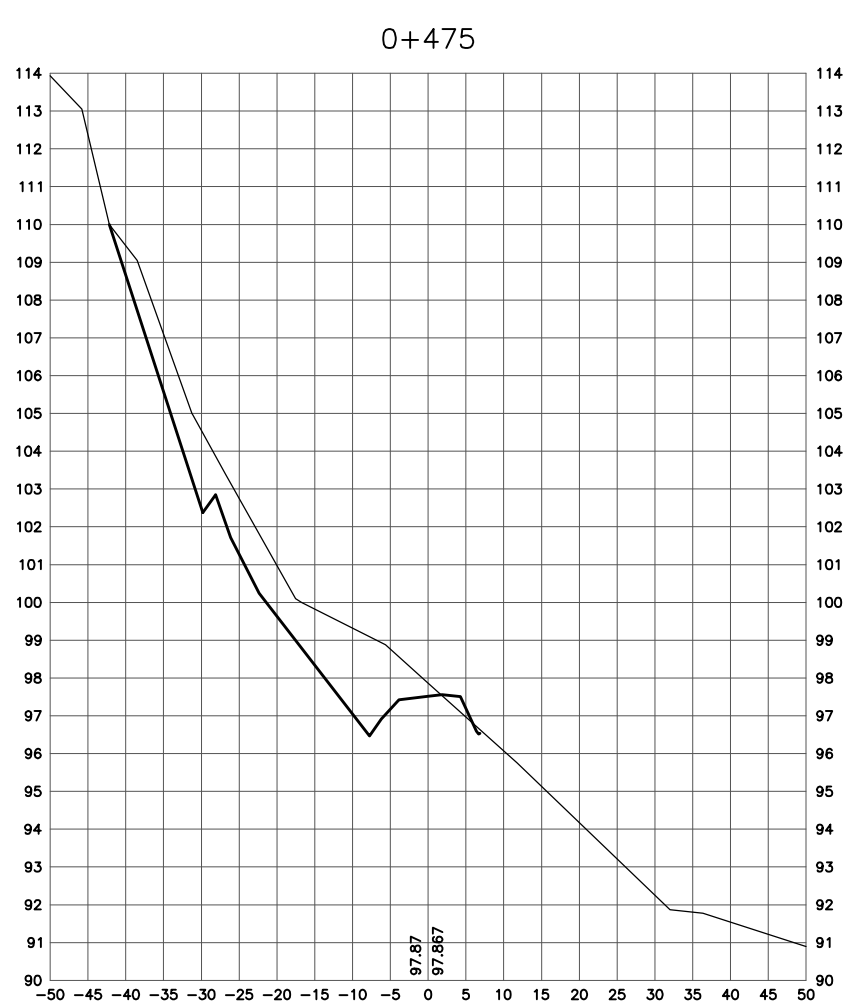
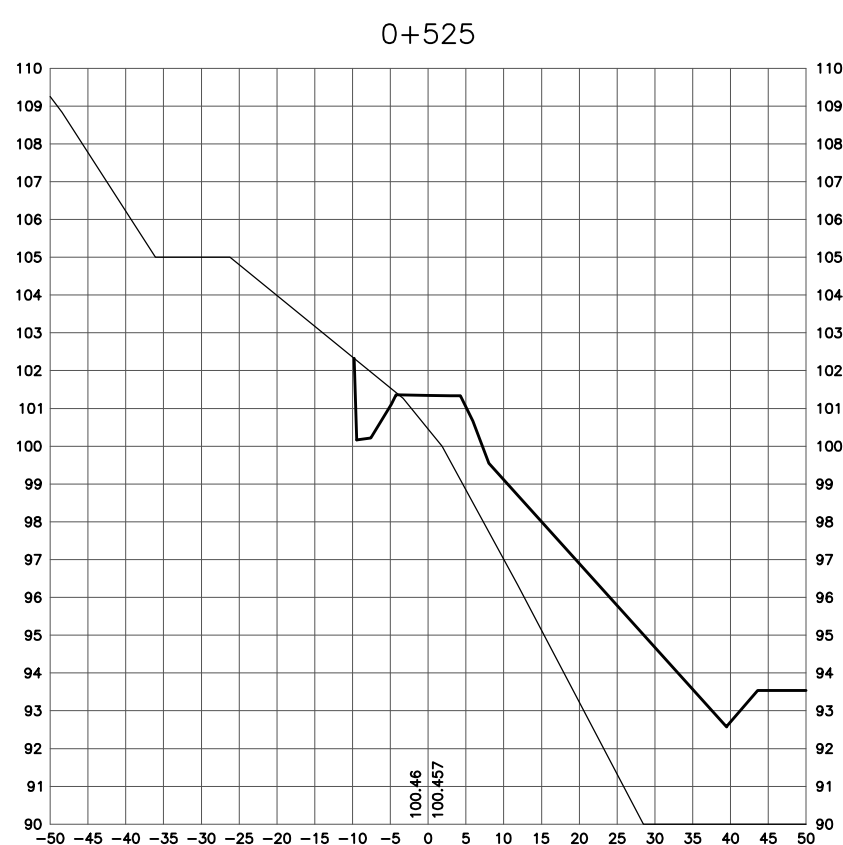
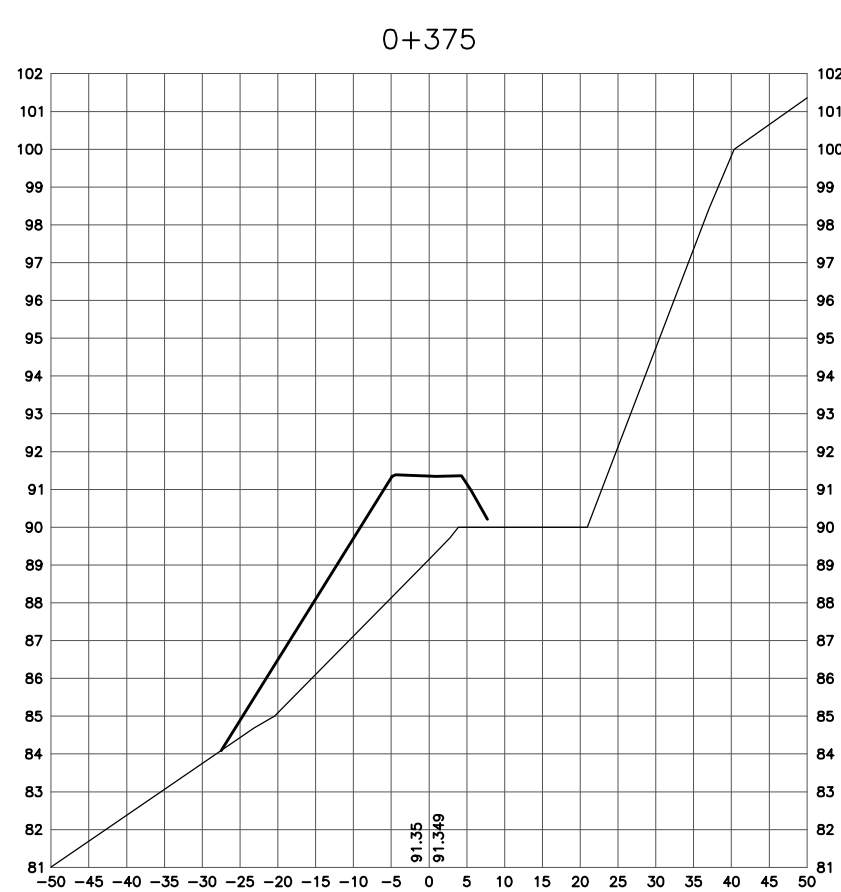
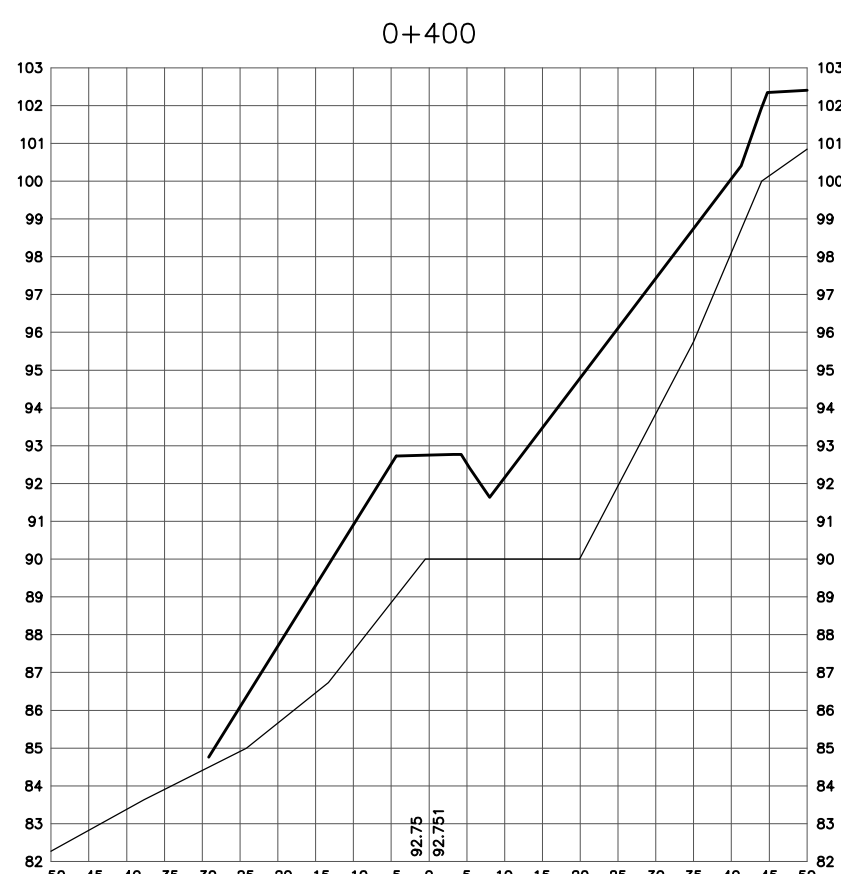
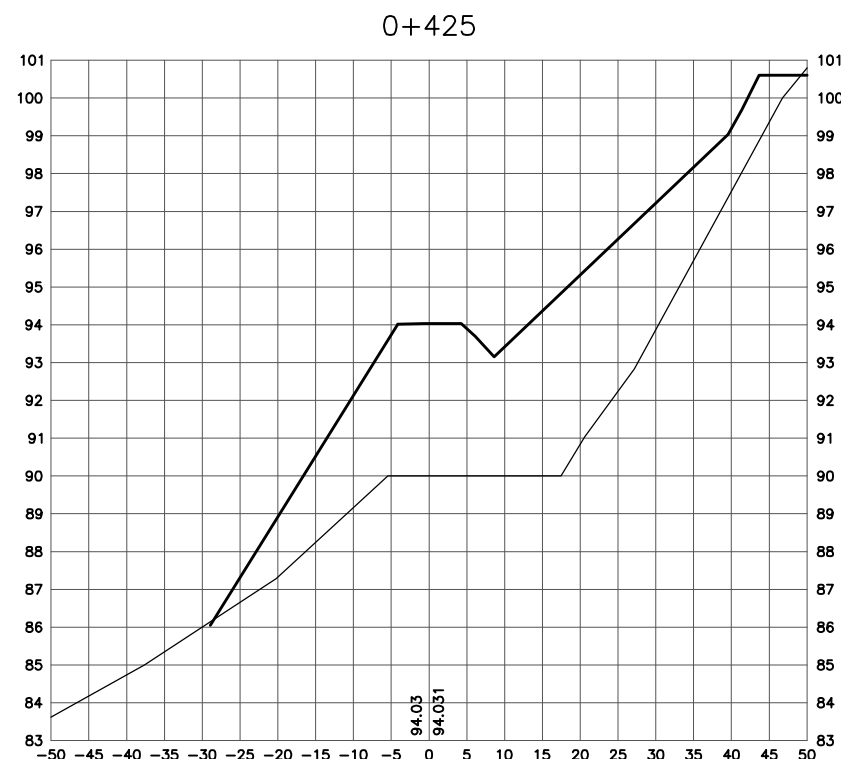
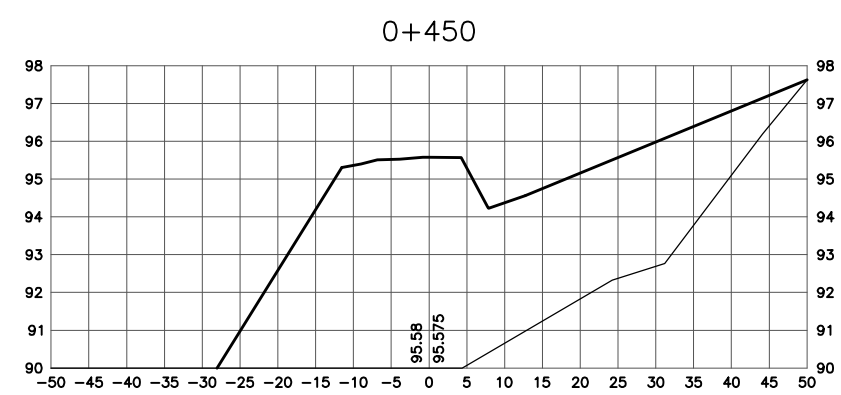
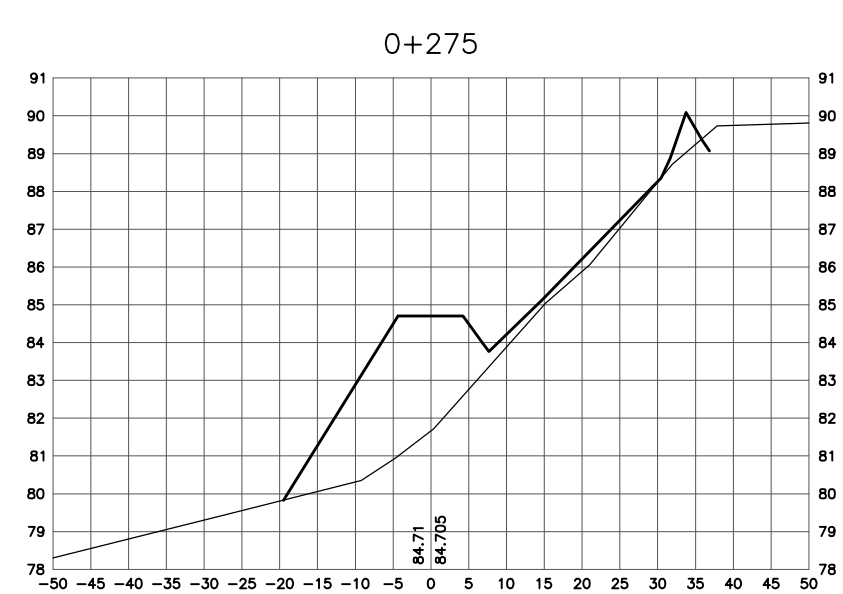
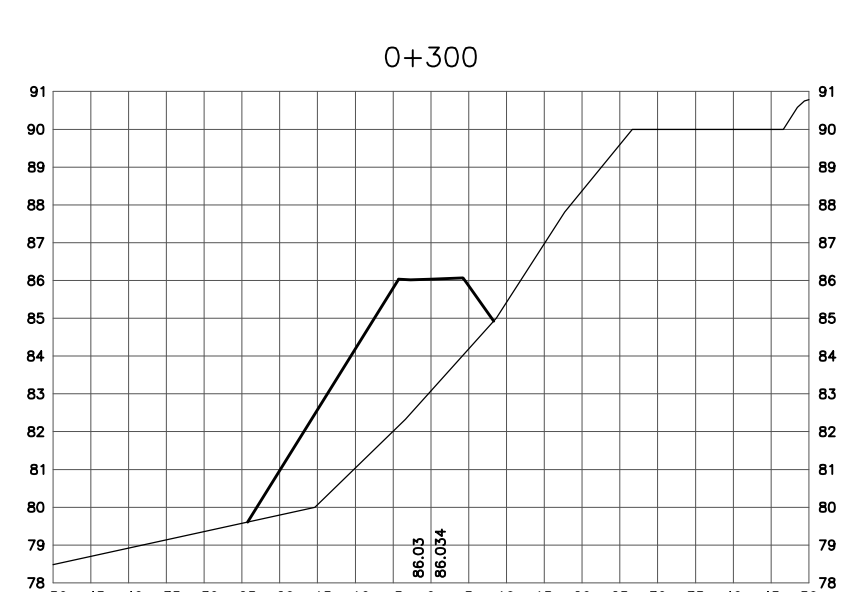
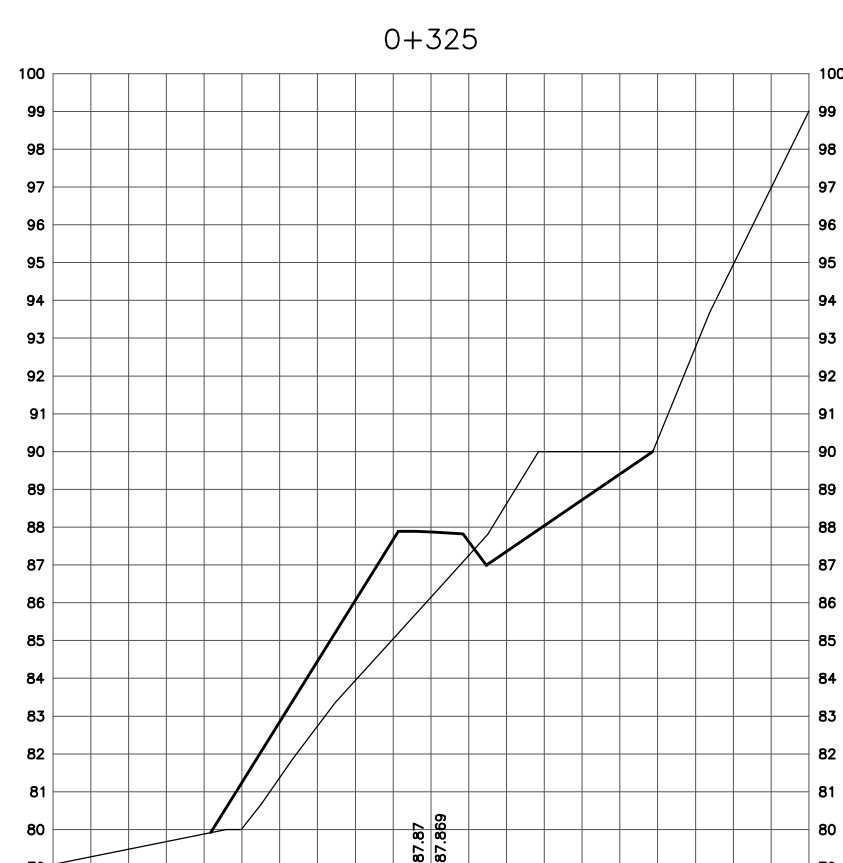
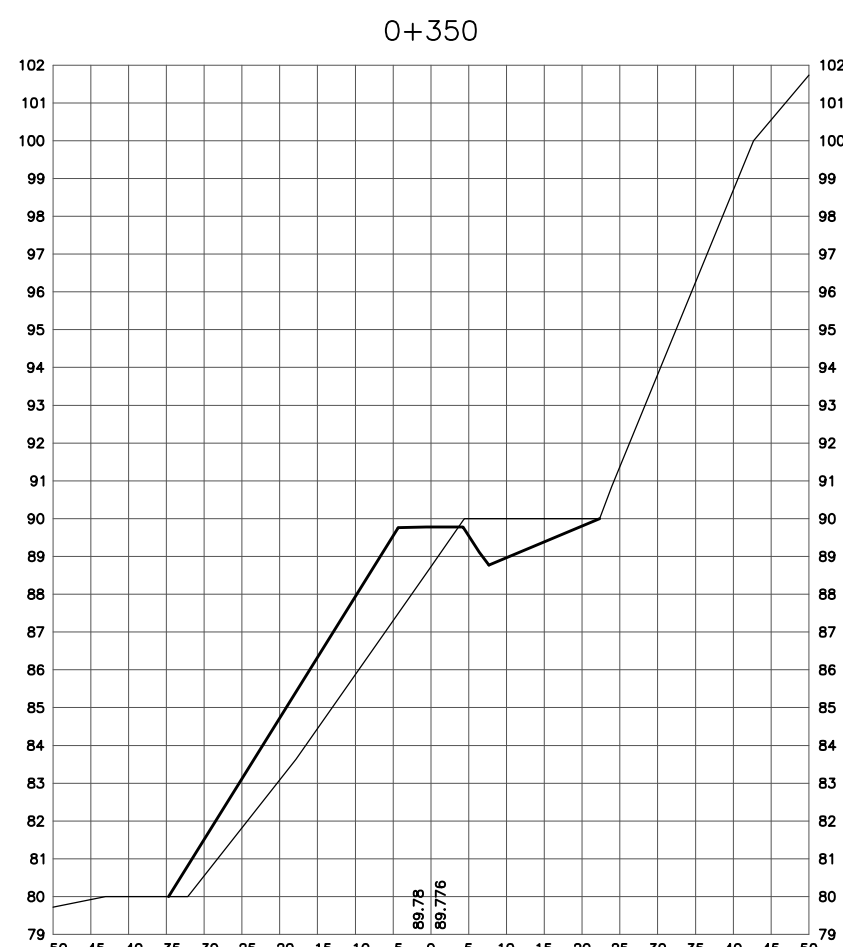
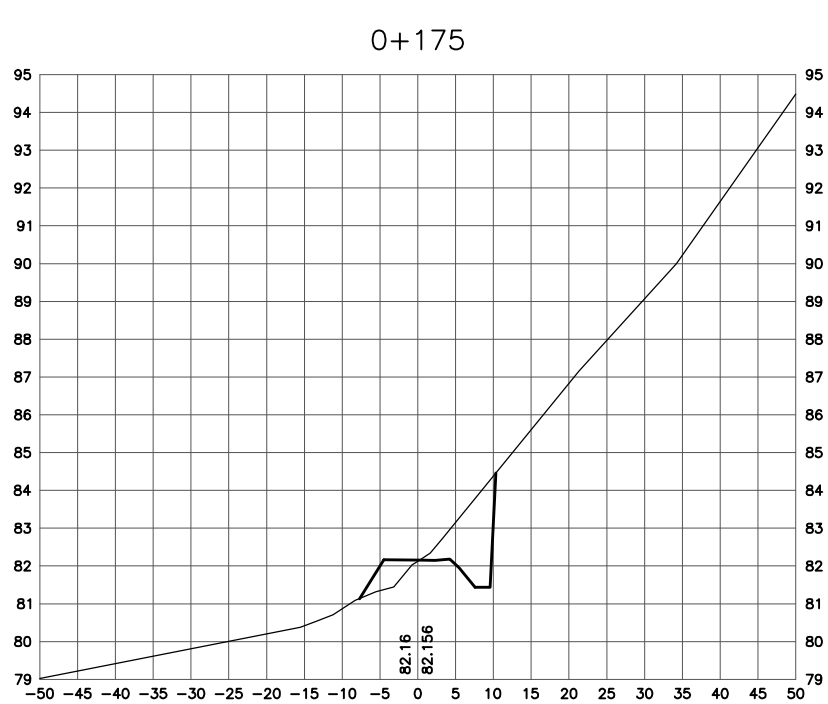
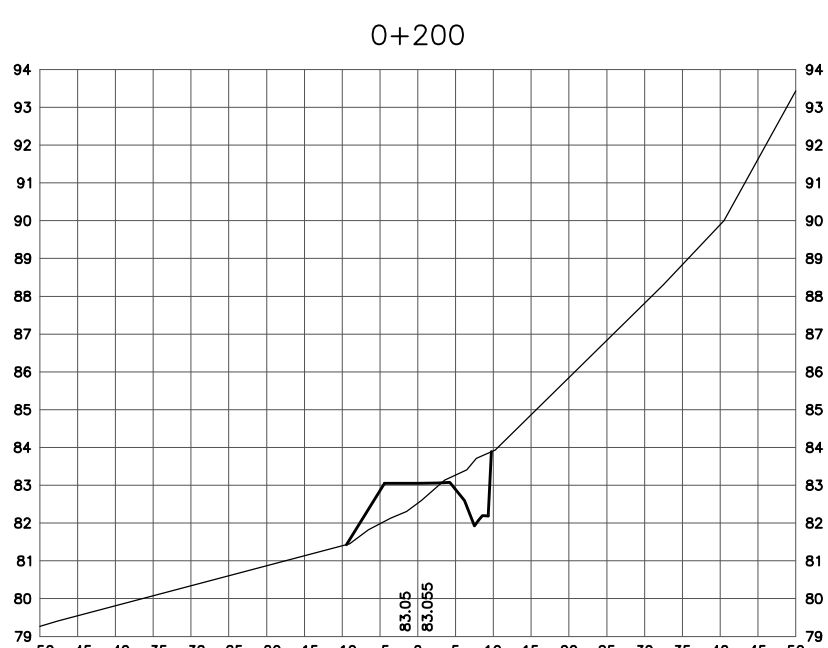
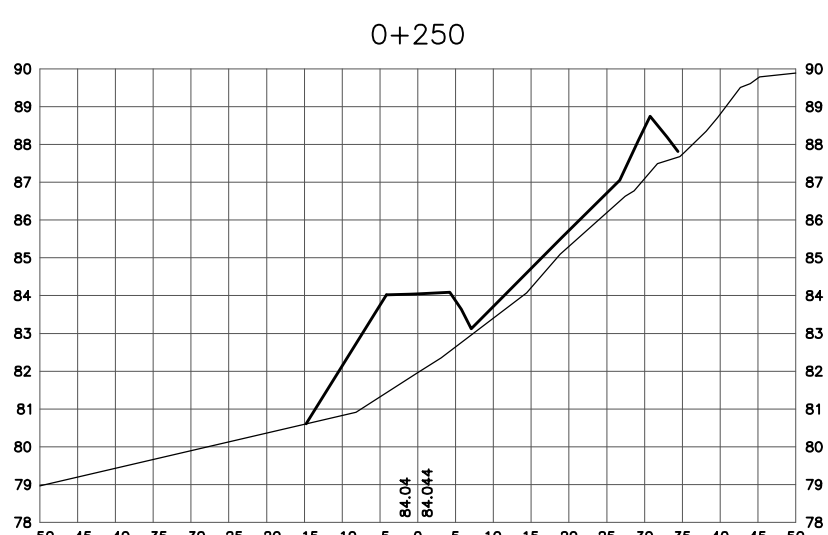
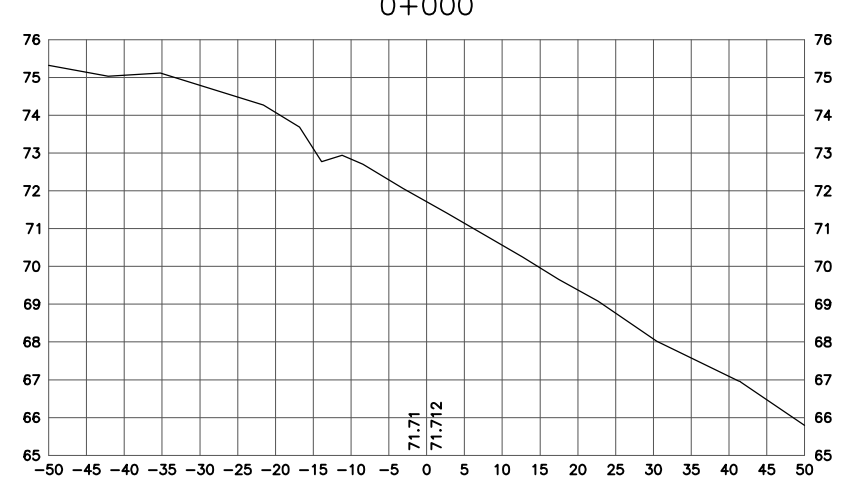
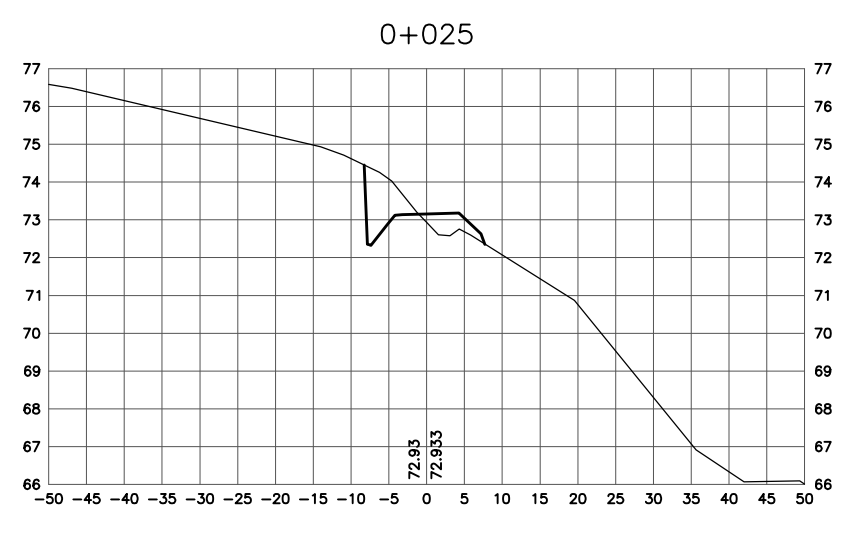
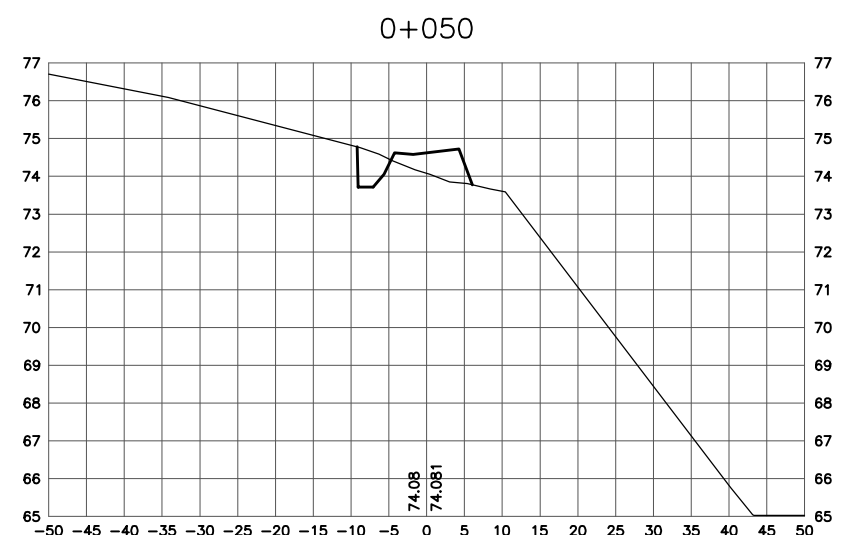
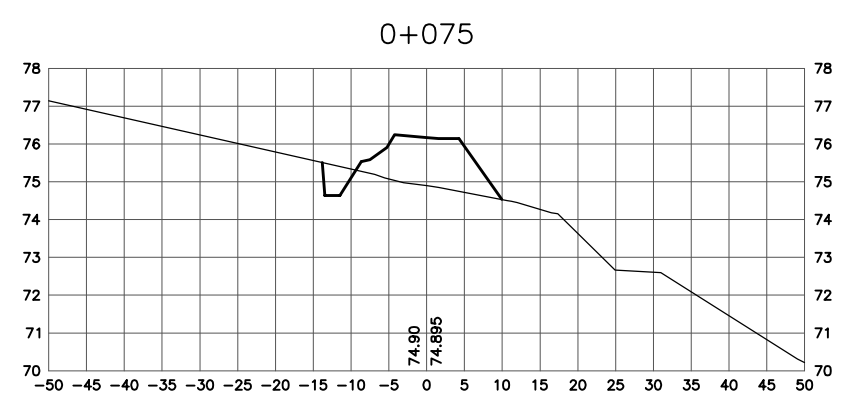
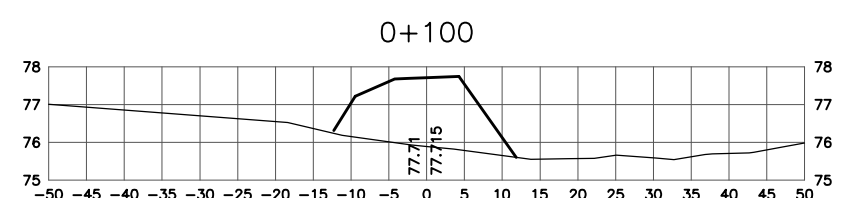
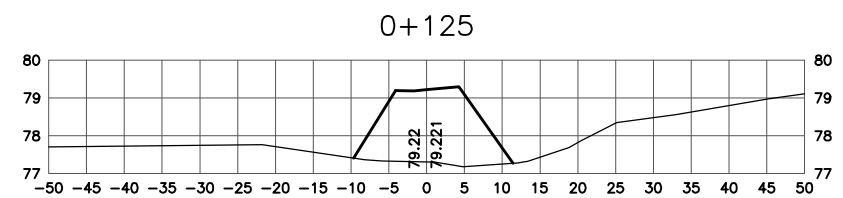
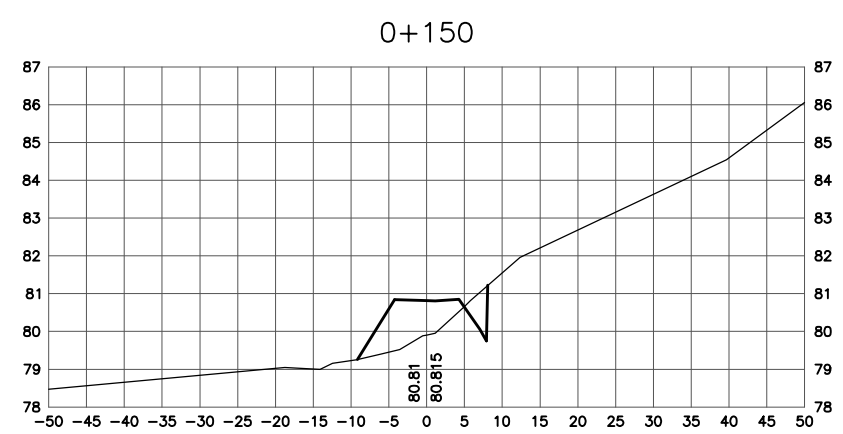
REVISIONS			
DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07
THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES		REGISTERED PROFESSIONAL ENGINEER	
PERMIT NUMBER 10010		C. STRONG	
DILLON CONSULTING LIMITED		NWT.	



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
ROAD PLAN AND PROFILE
STATION 0+360 TO 0+700

SCALE		AS SHOWN
DILLON PROJECT NUMBER		05-4319-3000
CLIENT PROJECT NUMBER		3439
DRAWING NUMBER		103



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

NOTES

RECORD DRAWING

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

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 1018
DILLON CONSULTING LIMITED

REGISTERED PROFESSIONAL ENGINEER
C. STRONG
12/12/07
N.W.T.



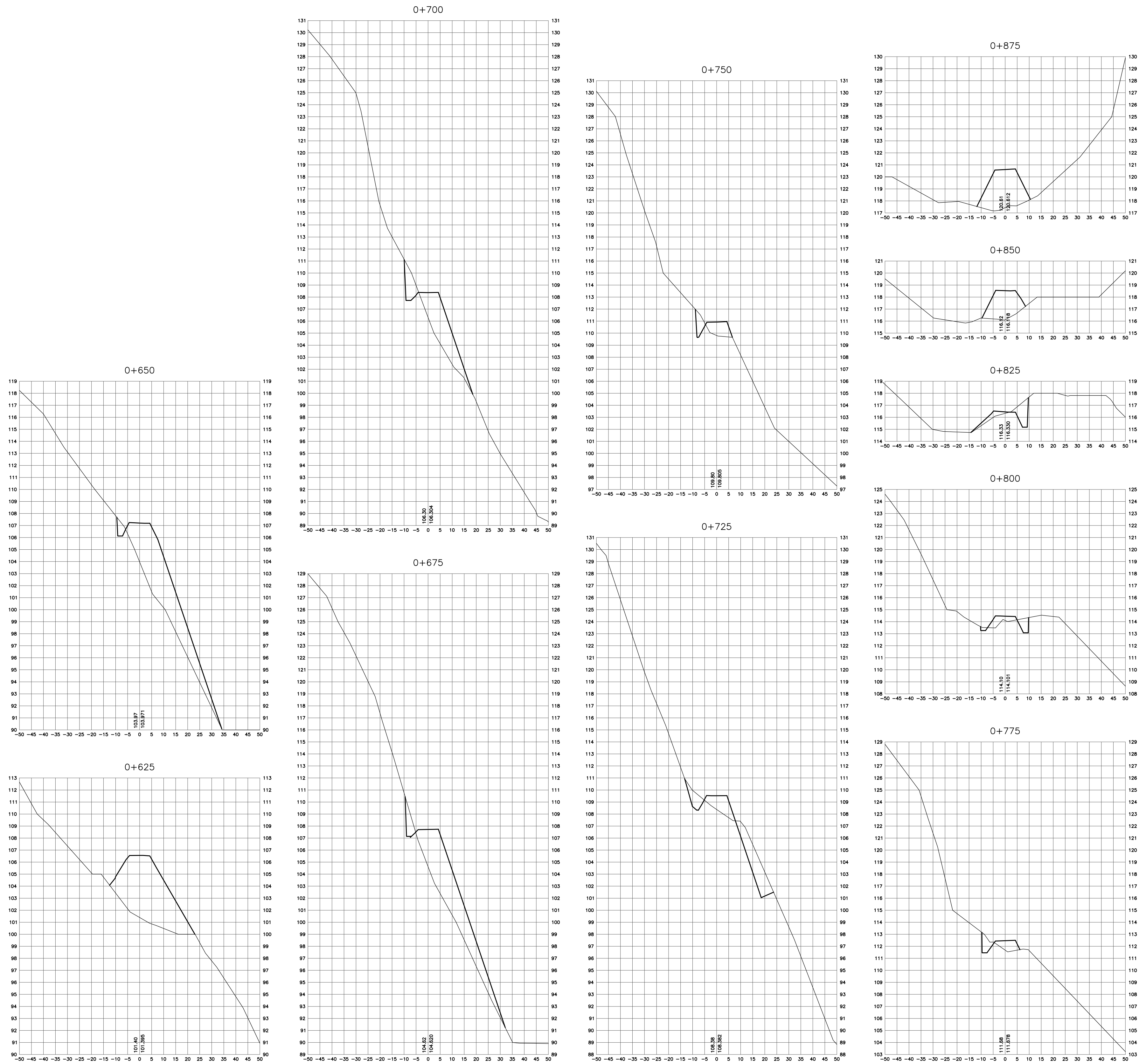
PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
DESIGN CROSS SECTIONS
STATION 0+000 TO 0+600

DILLON CONSULTING

SCALE: AS SHOWN
DILLON PROJECT NUMBER: 05-4319-3000
CLIENT PROJECT NUMBER: 3439
DRAWING NUMBER: 105

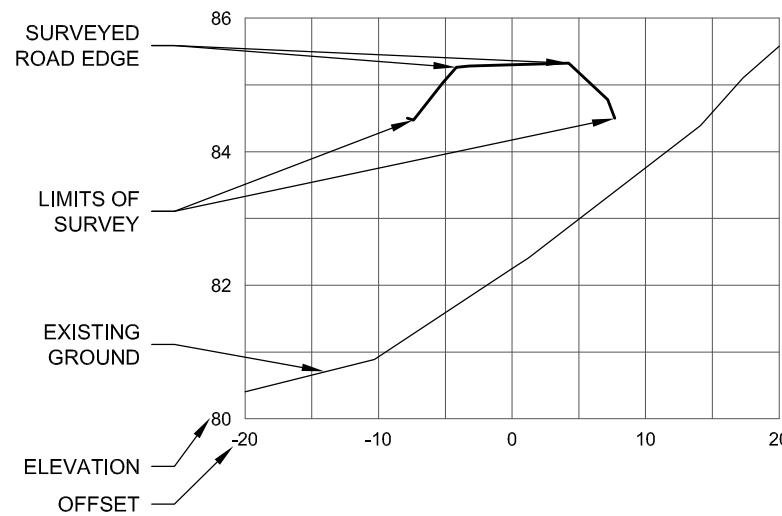
F ROAD CROSS SECTIONS 0+000 TO 0+600
SCALE 1:1000H 1:200V



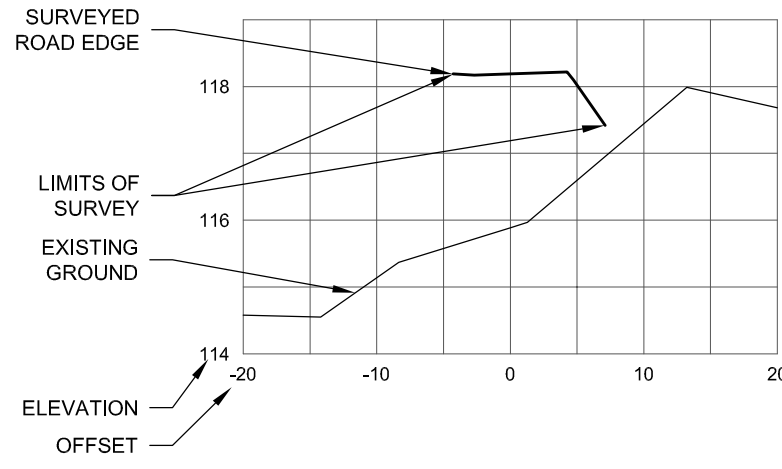
G ROAD CROSS SECTIONS 0+625 TO 0+932.55
SCALE 1:1000H 1:200V

LEGEND

TYPICAL SECTION:

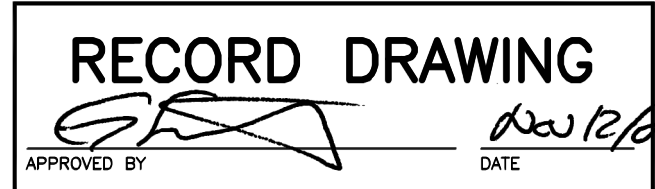


TYPICAL SECTION:



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

NOTES



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

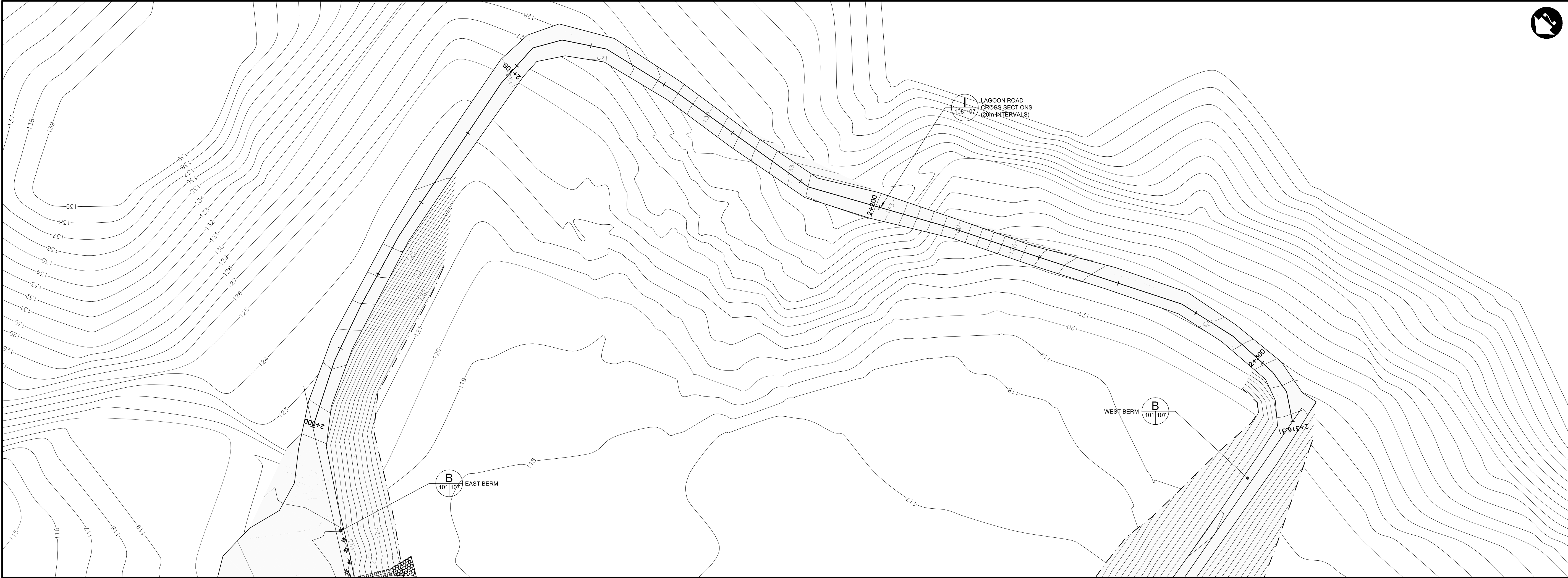
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THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER DILLON CONSULTING LIMITED		REGISTERED PROFESSIONAL ENGINEER C. STRONG NOV 24 2007 N.W.T.	



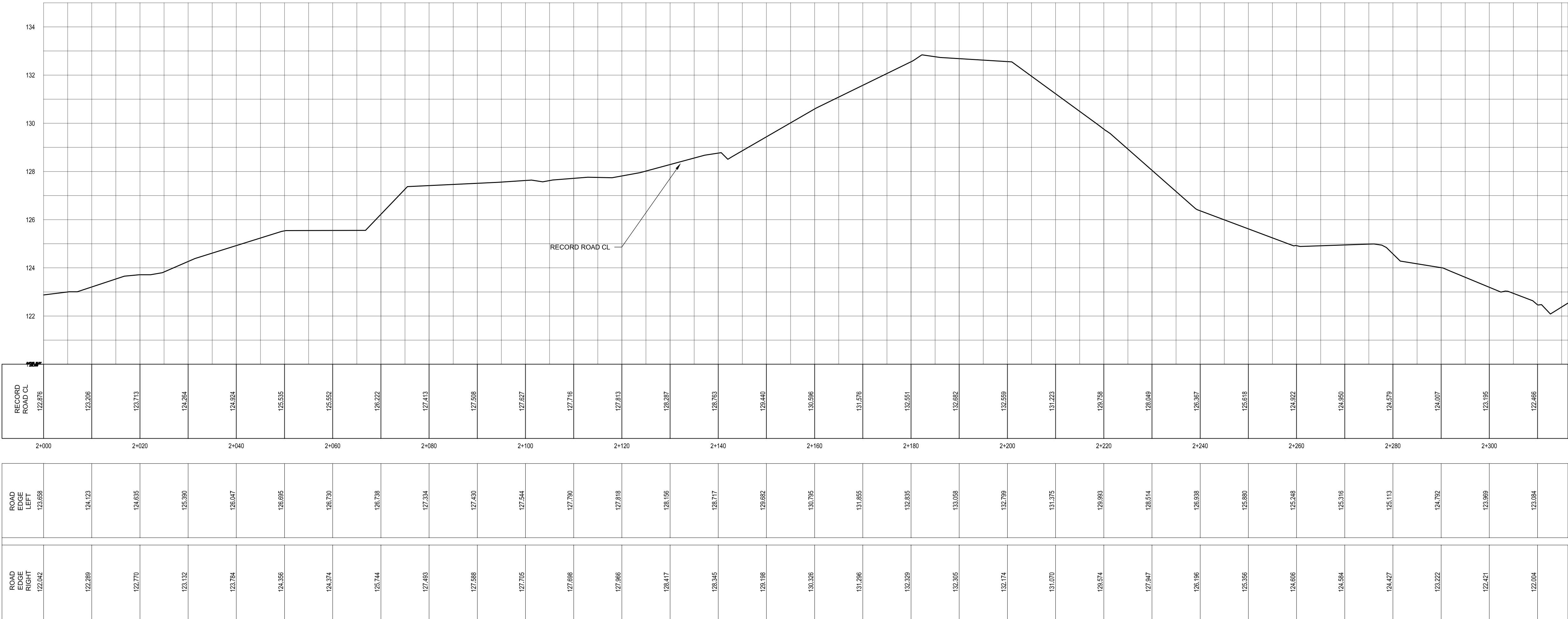
PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

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 _____

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

RECORD DRAWING

APPROVED BY _____ DATE _____

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

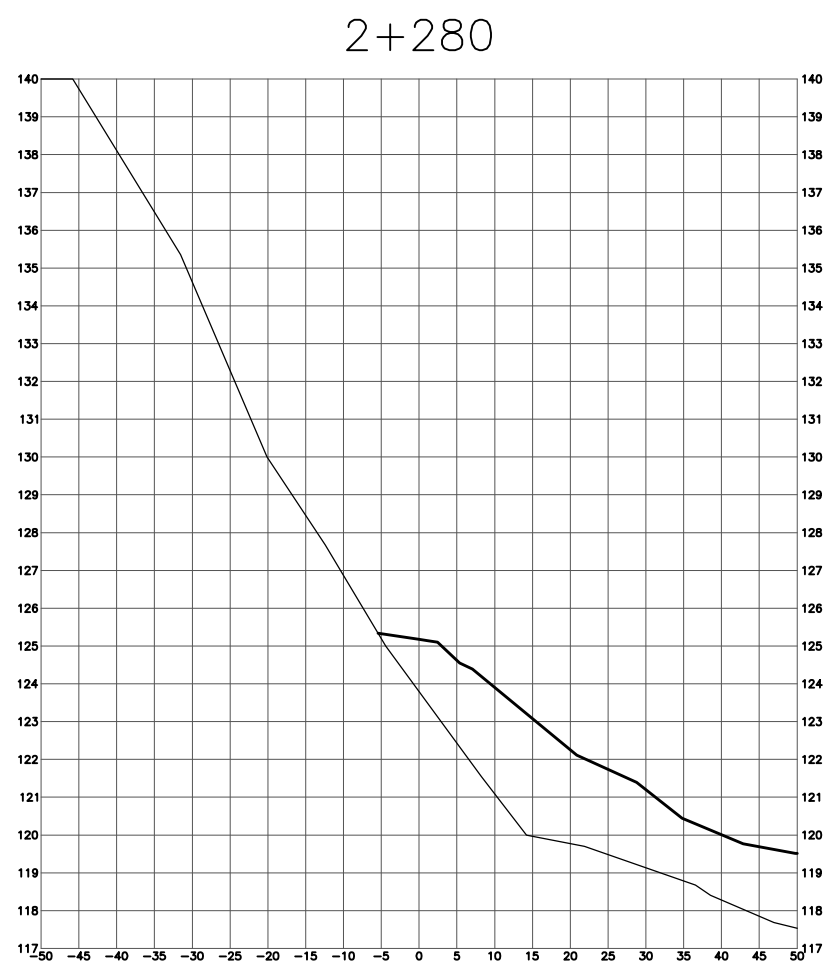
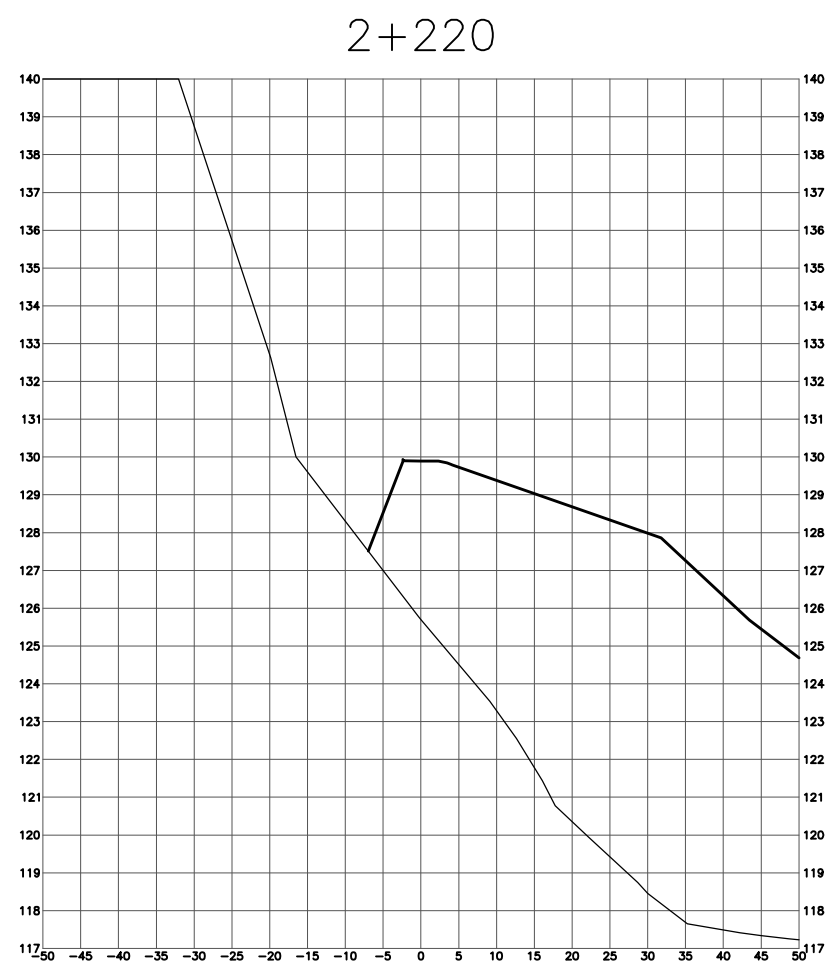
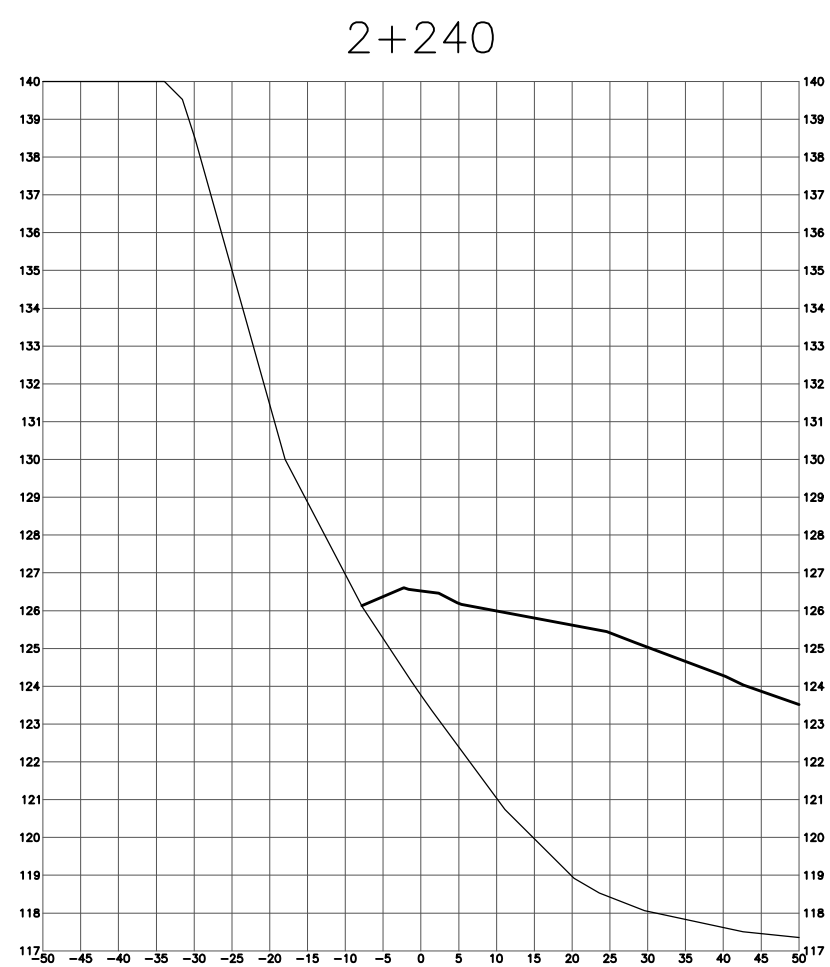
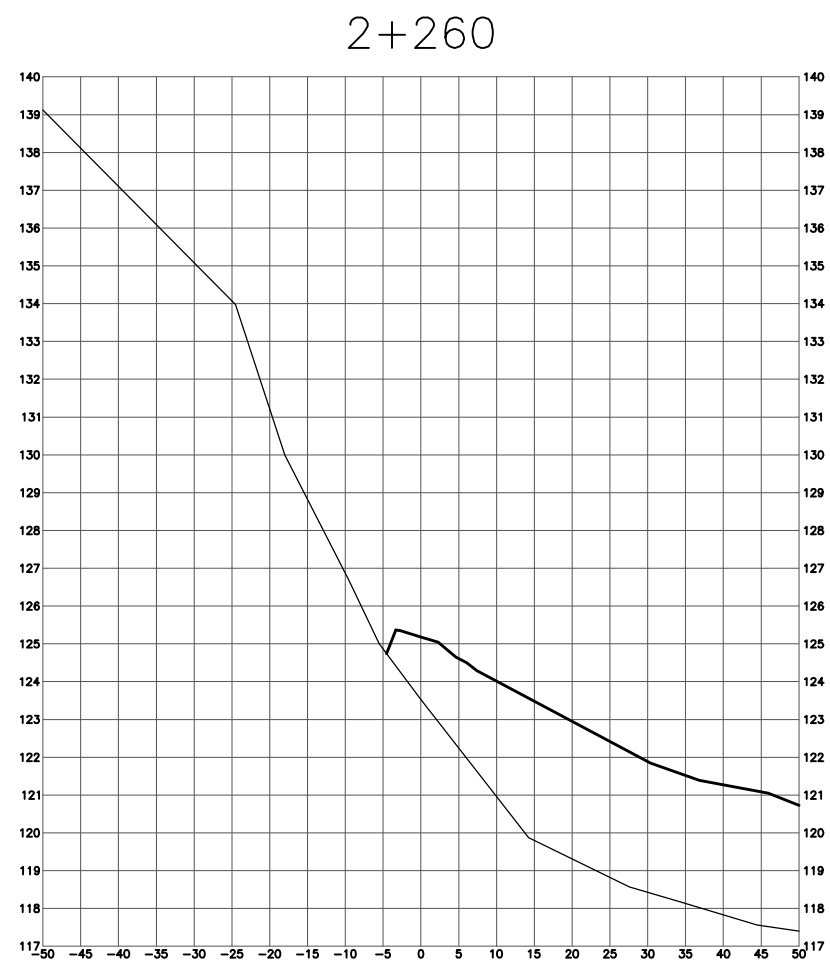
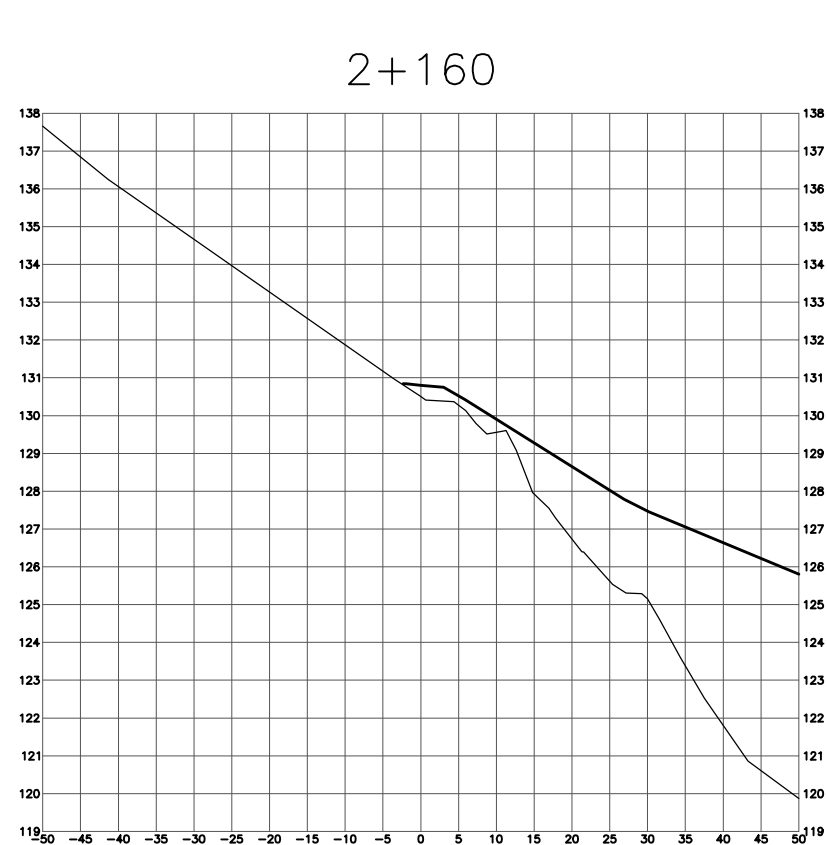
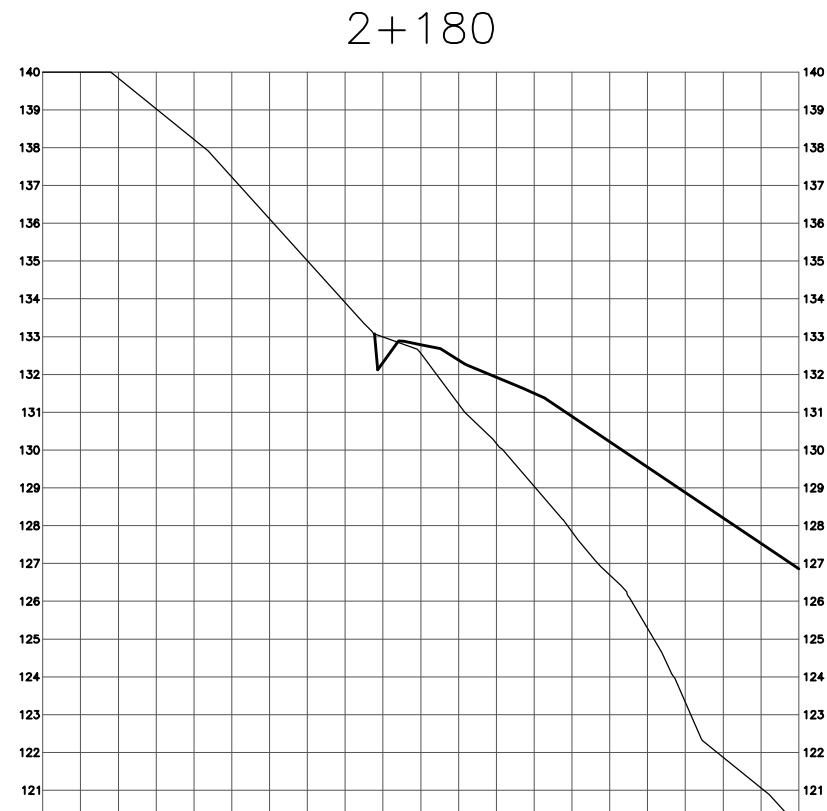
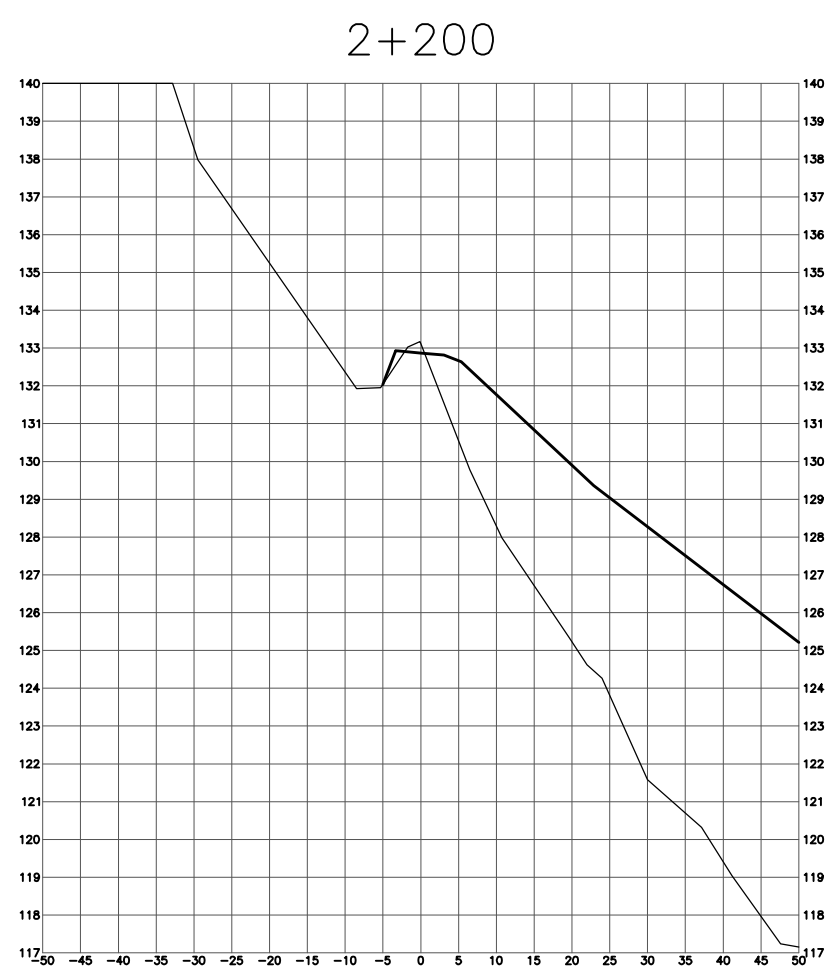
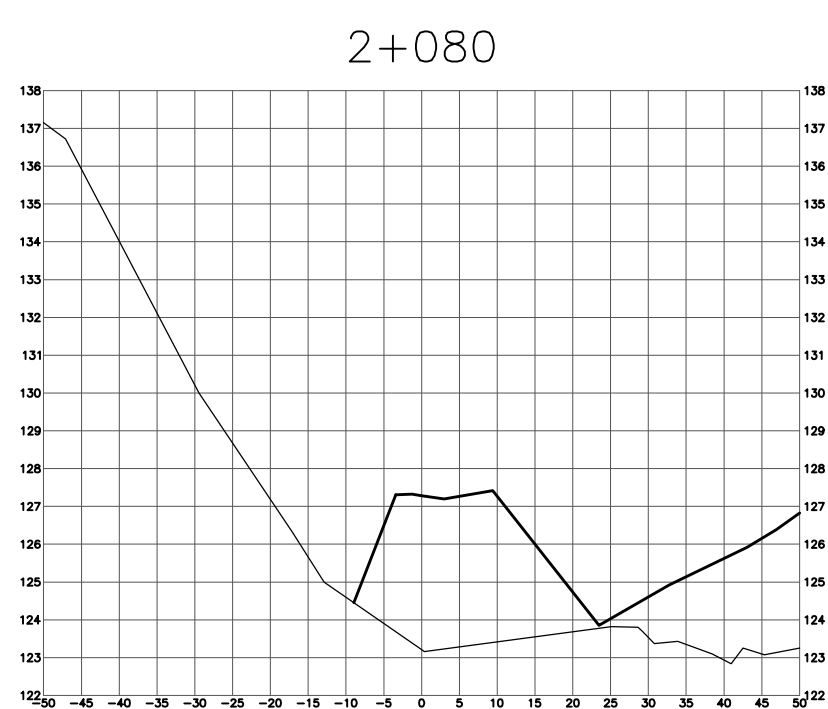
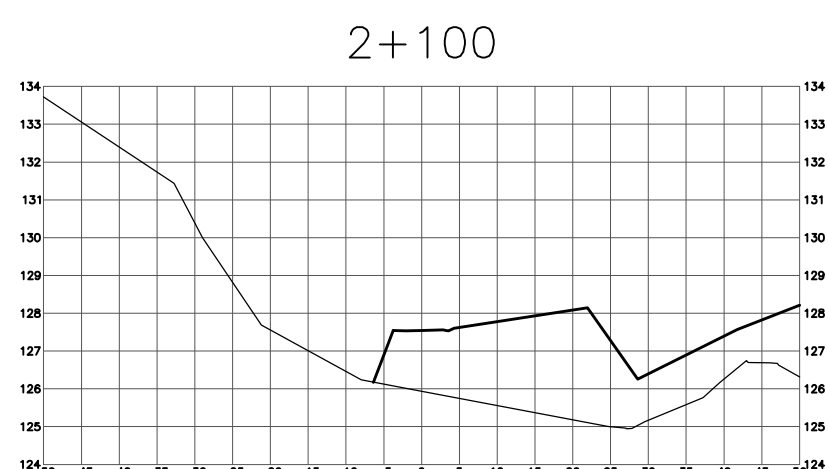
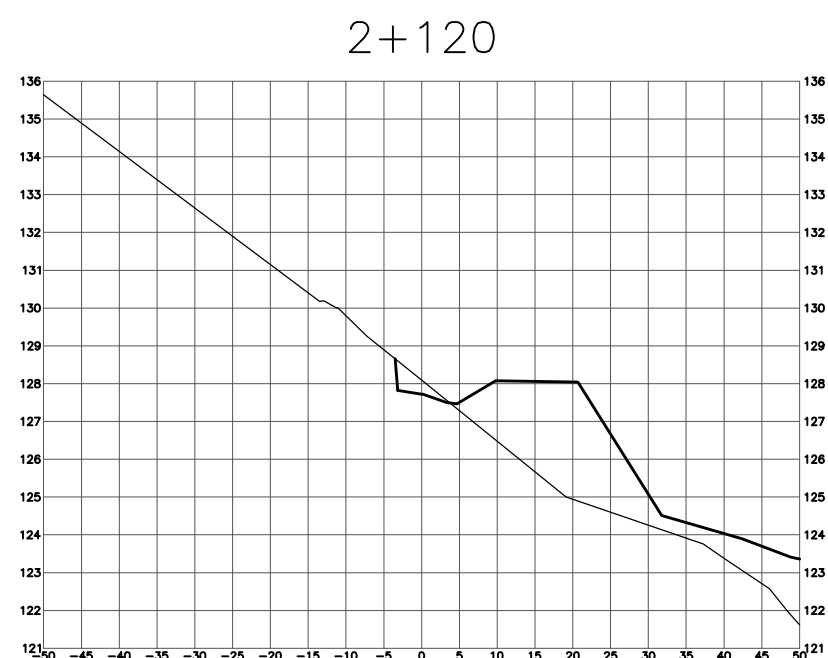
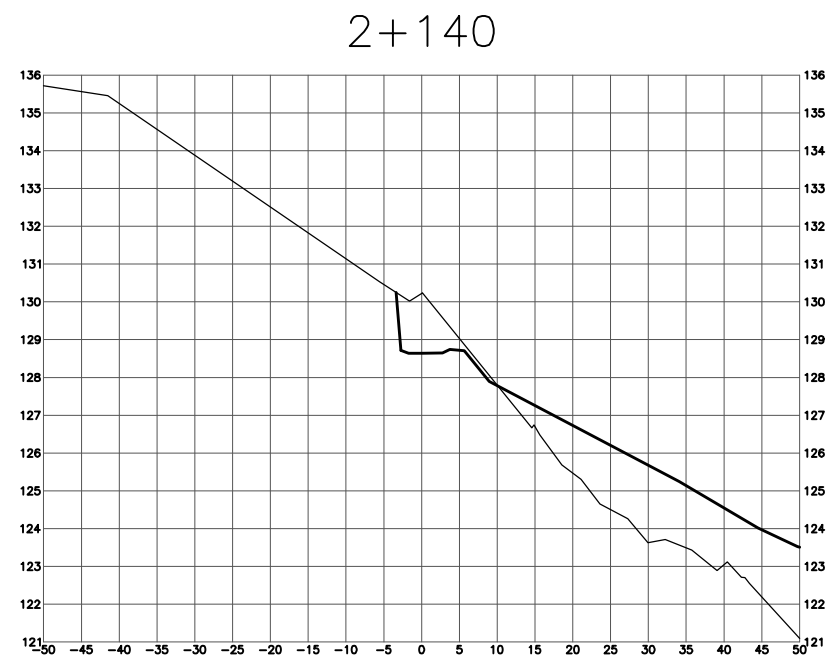
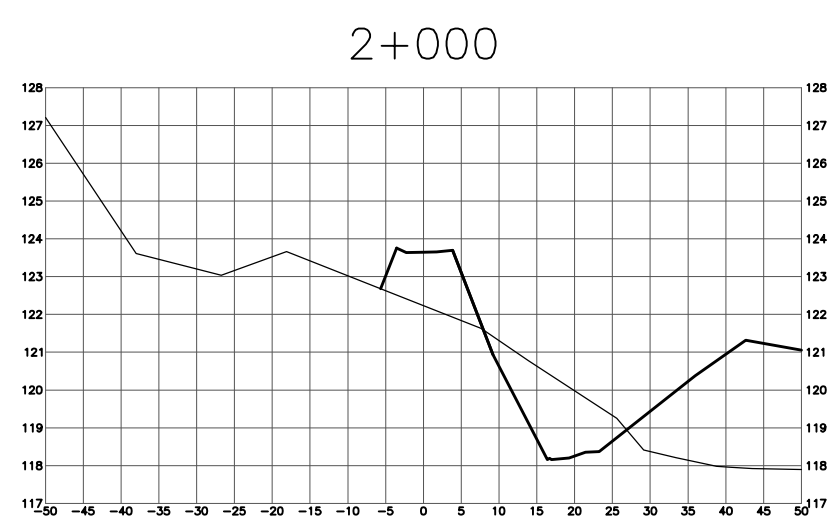
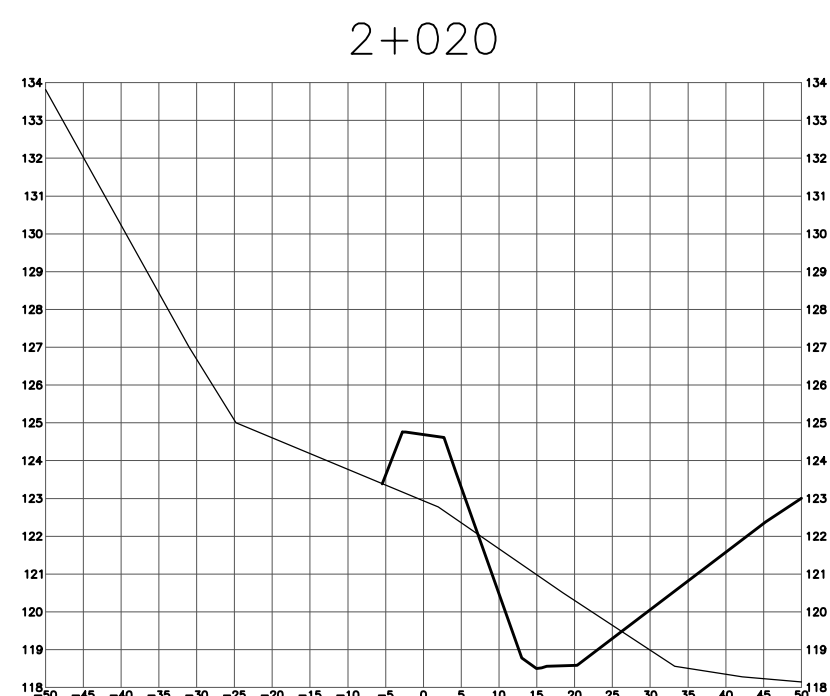
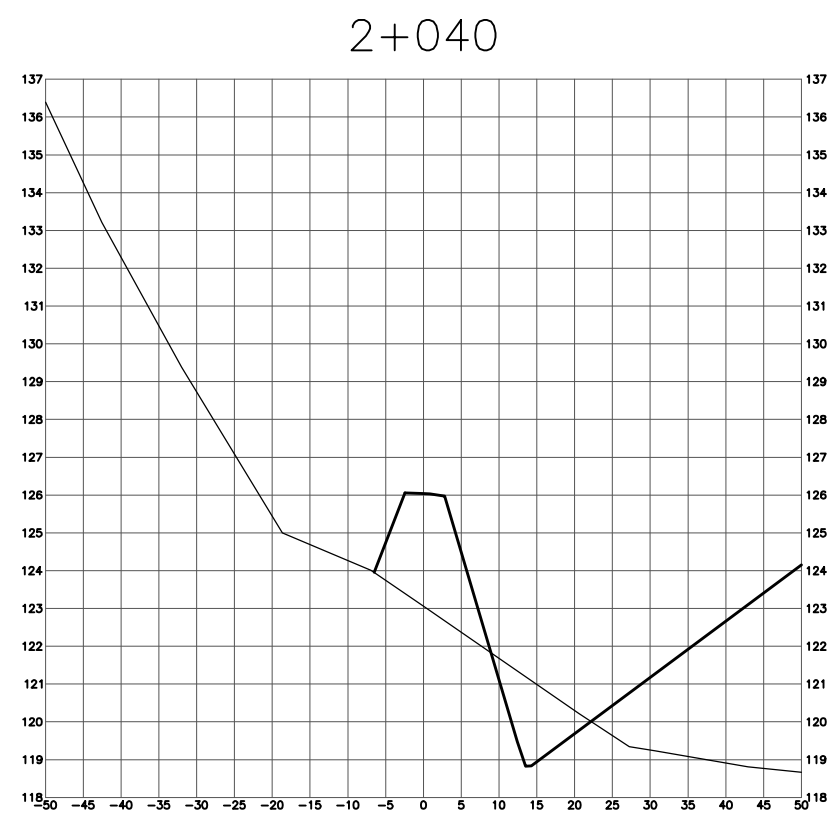
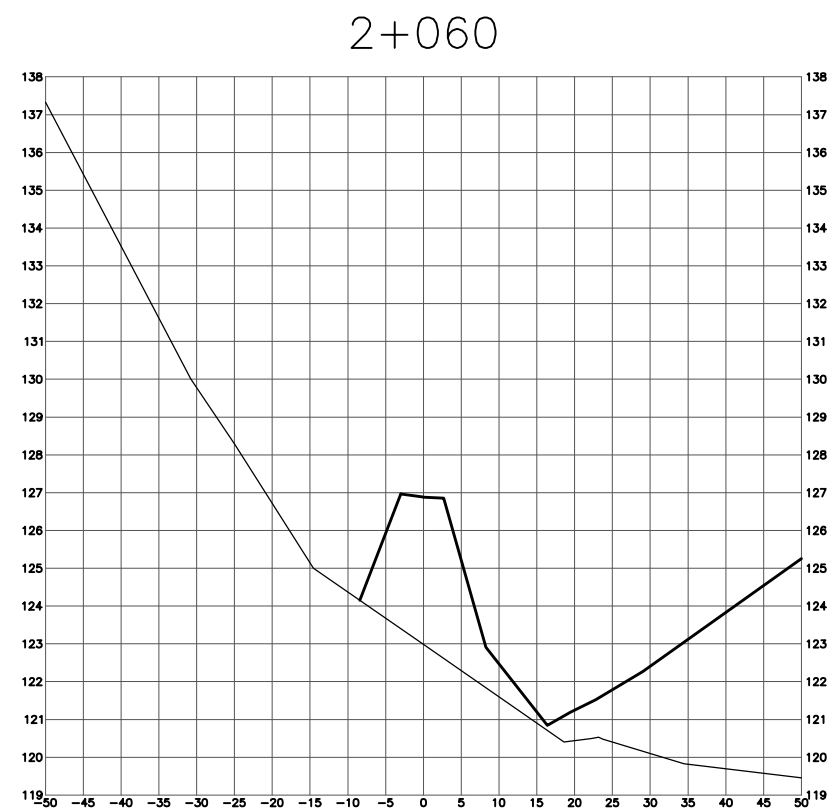
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THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P-018 DILLON CONSULTING LIMITED		REGISTERED PROFESSIONAL ENGINEER C. STRONG NOV 24 2007 N.W.T.	



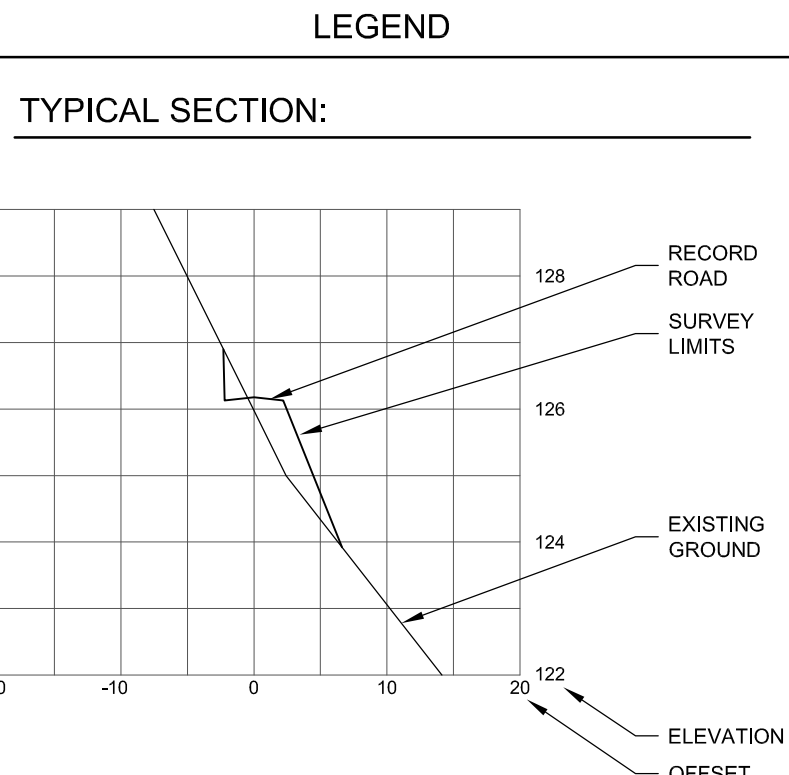
PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

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: 10/24/07

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
1	10/24/07	RECORD	GS

DESIGN GS

DRAWN TFW

CHECKED GS

DATE NOV 07

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER 2010
DILLON CONSULTING LIMITED

REGISTERED PROFESSIONAL ENGINEER
C. STRONG
NWT.



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

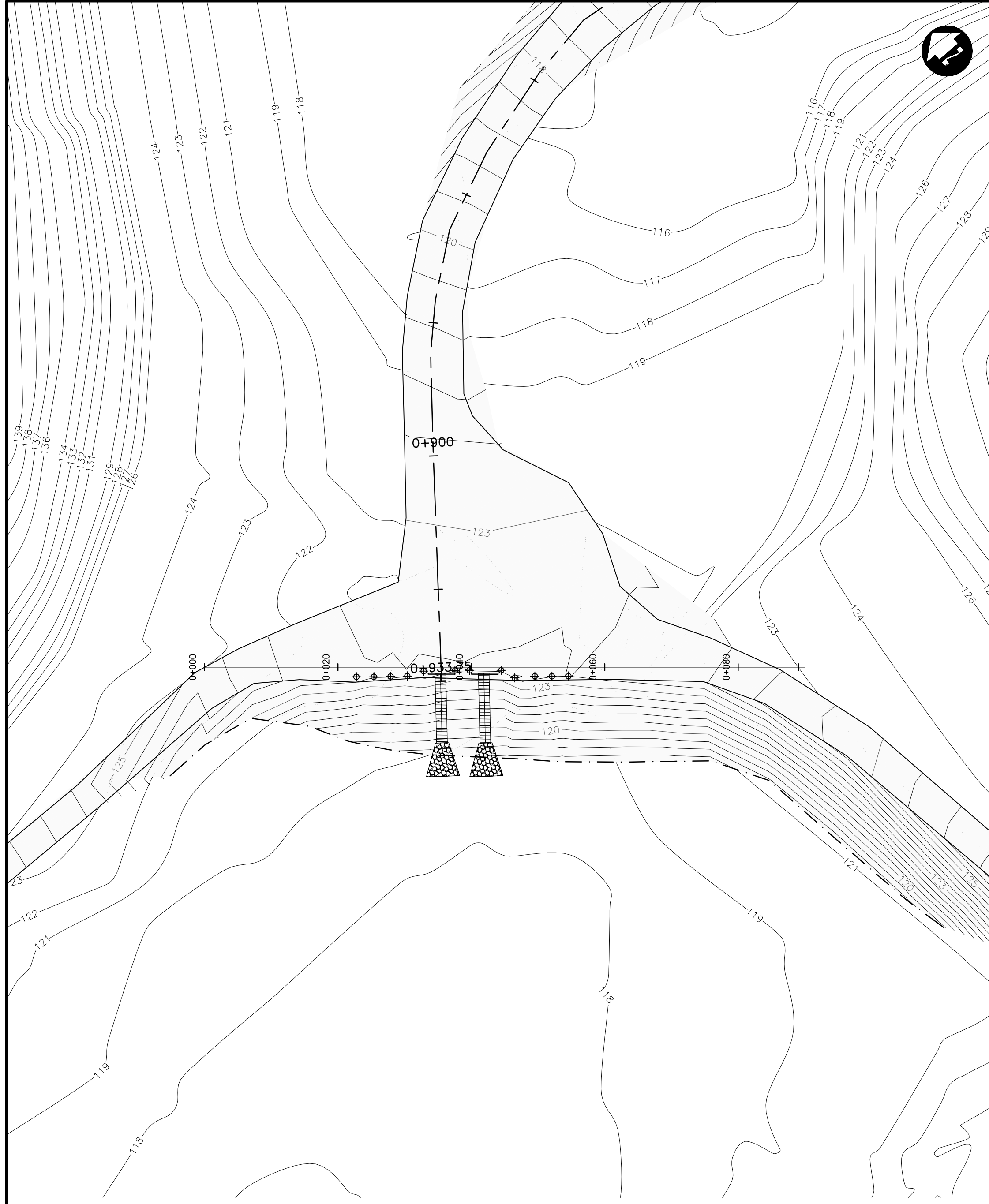
TITLE
LAGOON ROAD CROSS SECTIONS
STATION 2+000 TO 2+300

SCALE AS SHOWN

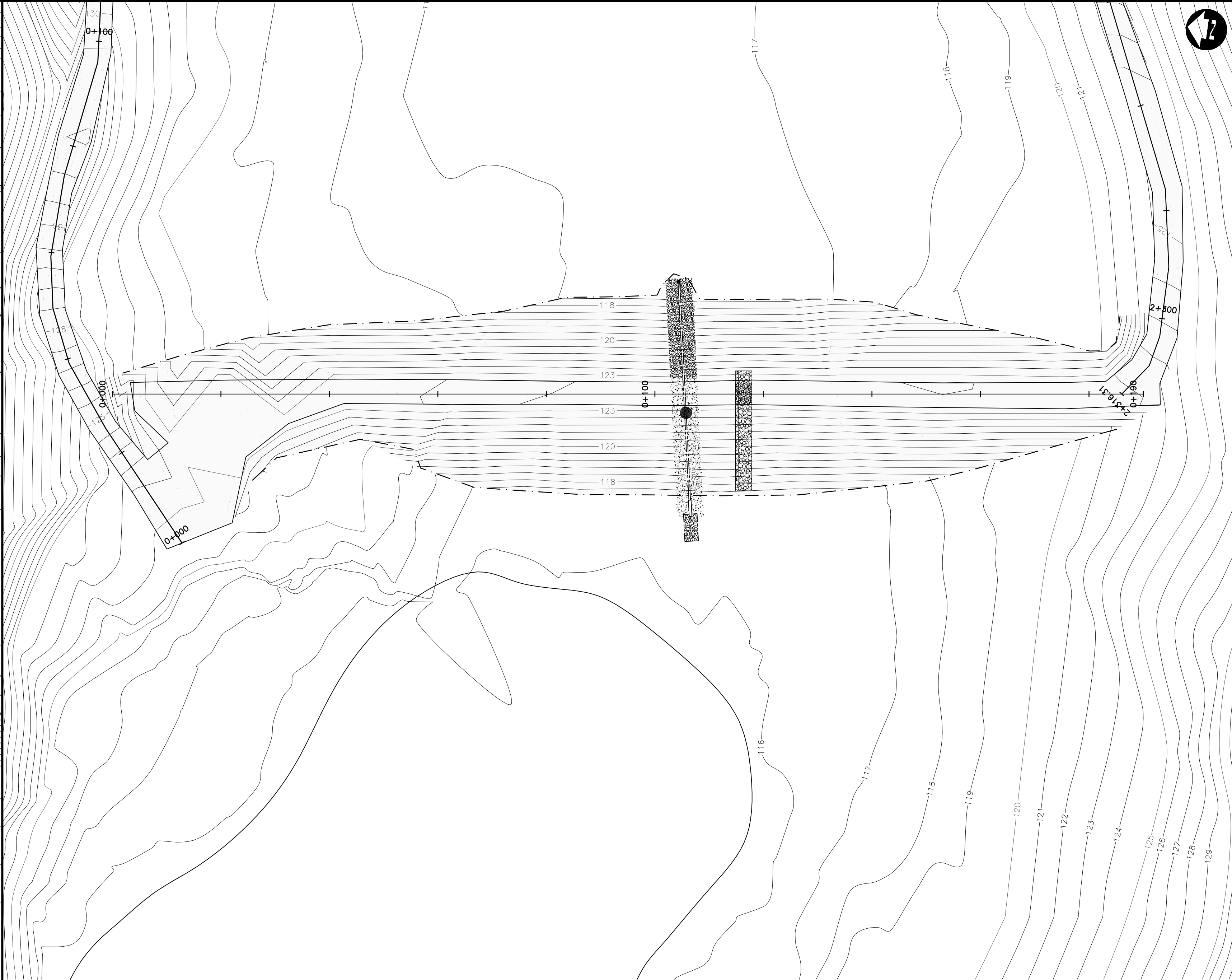
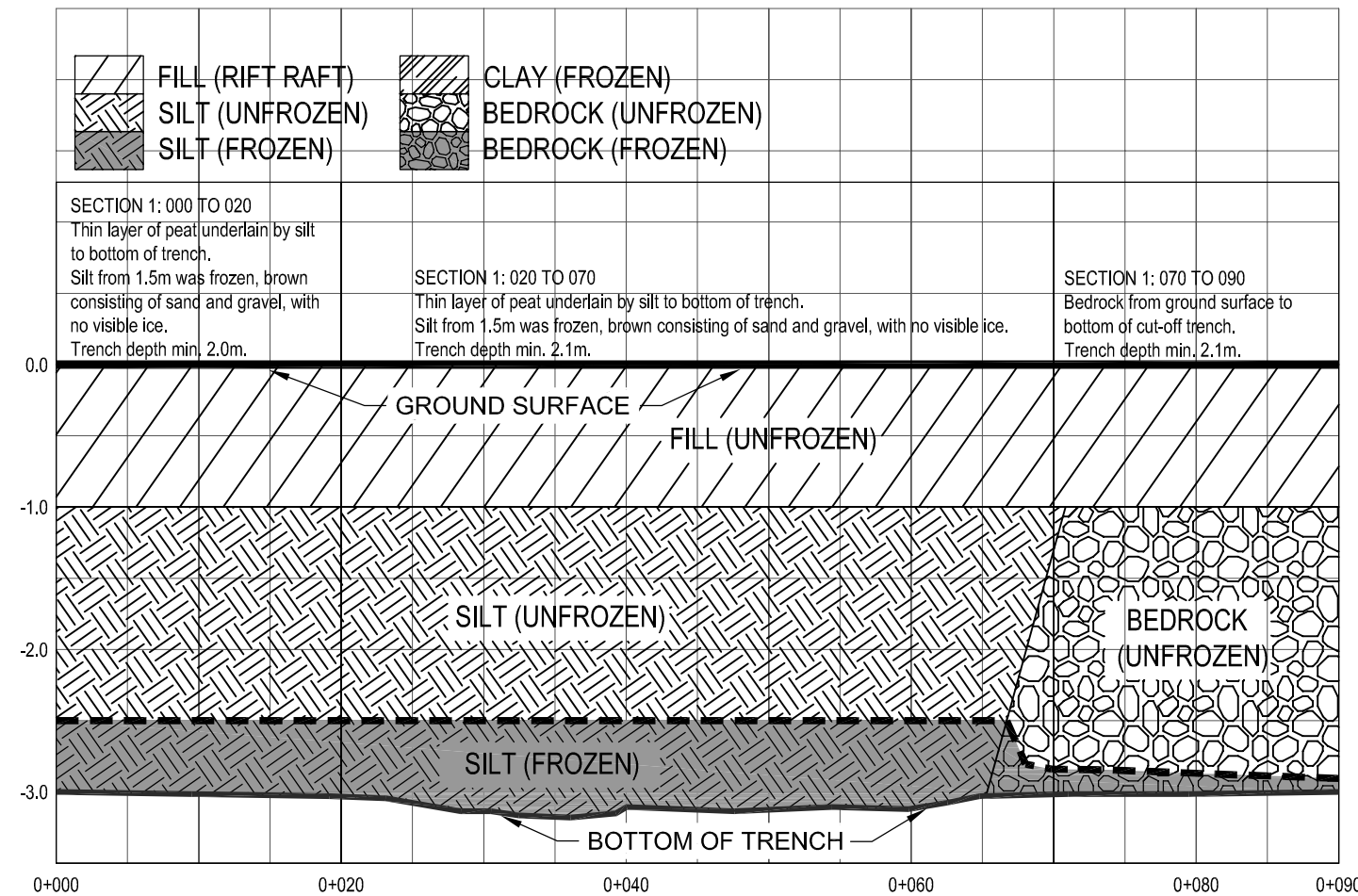
DILLON PROJECT NUMBER 05-4319-3000

CLIENT PROJECT NUMBER 3439

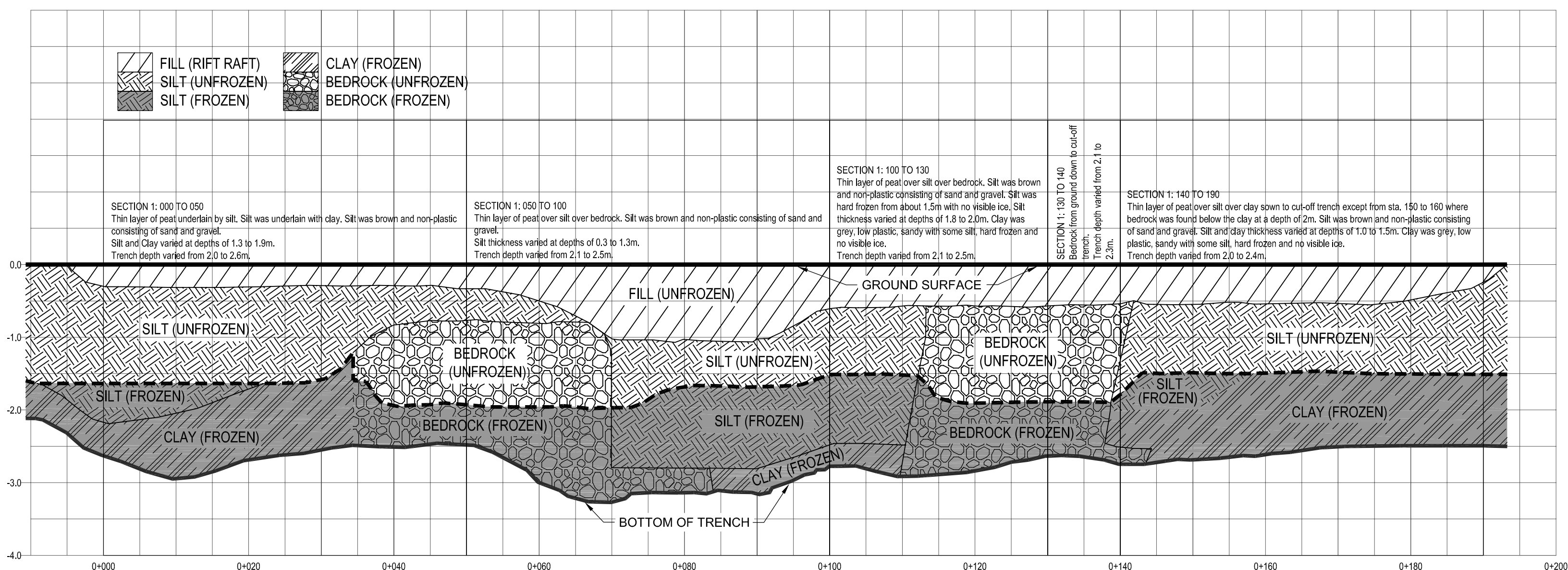
DRAWING NUMBER 108



J NORTH BERM
109/109 SCALE 1:500



L SOUTHWEST BERM
109/109 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" 1/100 101 DETAIL NUMBER
DRAWING SHEET 100 101 DETAIL REFERENCED (THIS DRAWING SHEET)
WHERE DETAIL IS SHOWN

RECORD DRAWING

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

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 GS DRAWN TFW CHECKED GS DATE NOV 07

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

REGISTERED PROFESSIONAL ENGINEER
C. STRONG
N.W.T.

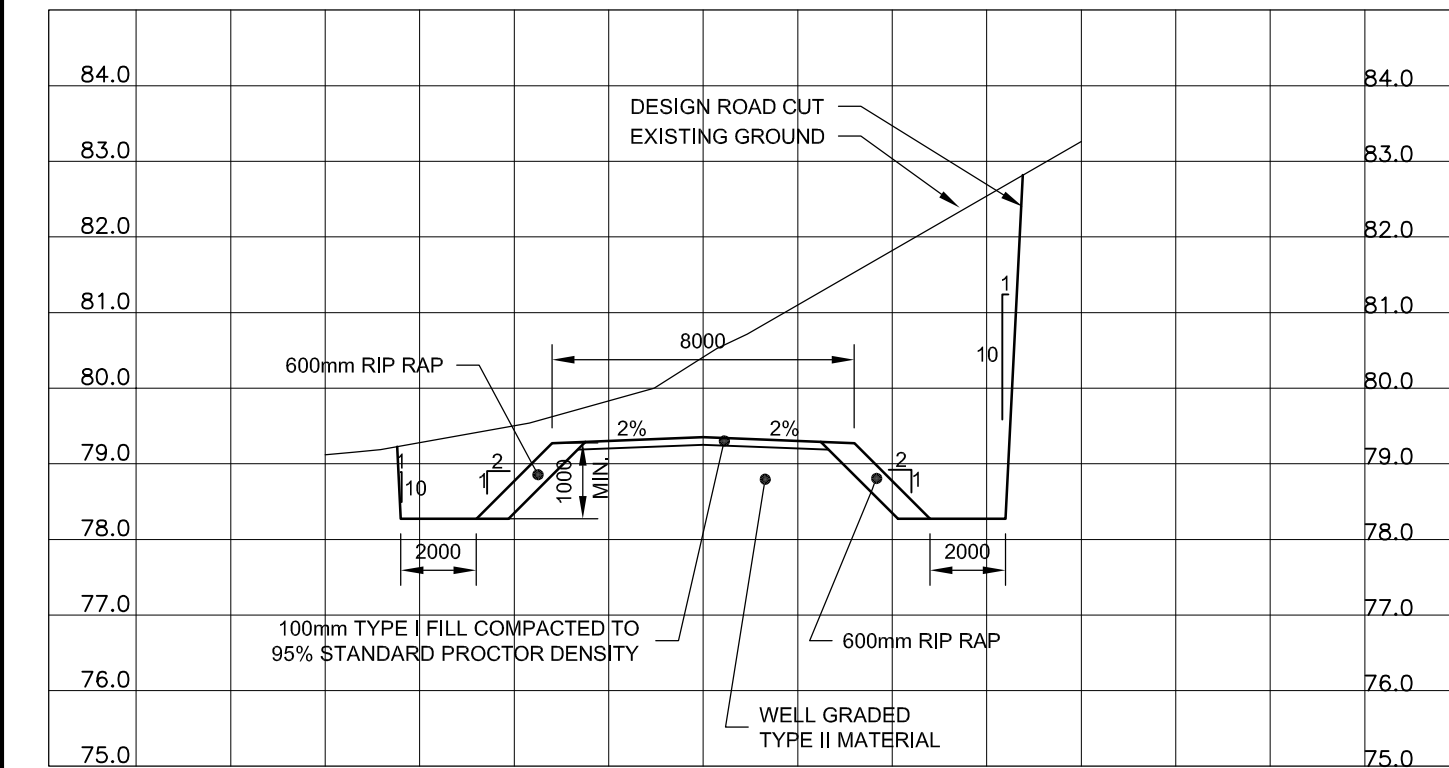


PROJECT
**P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET**

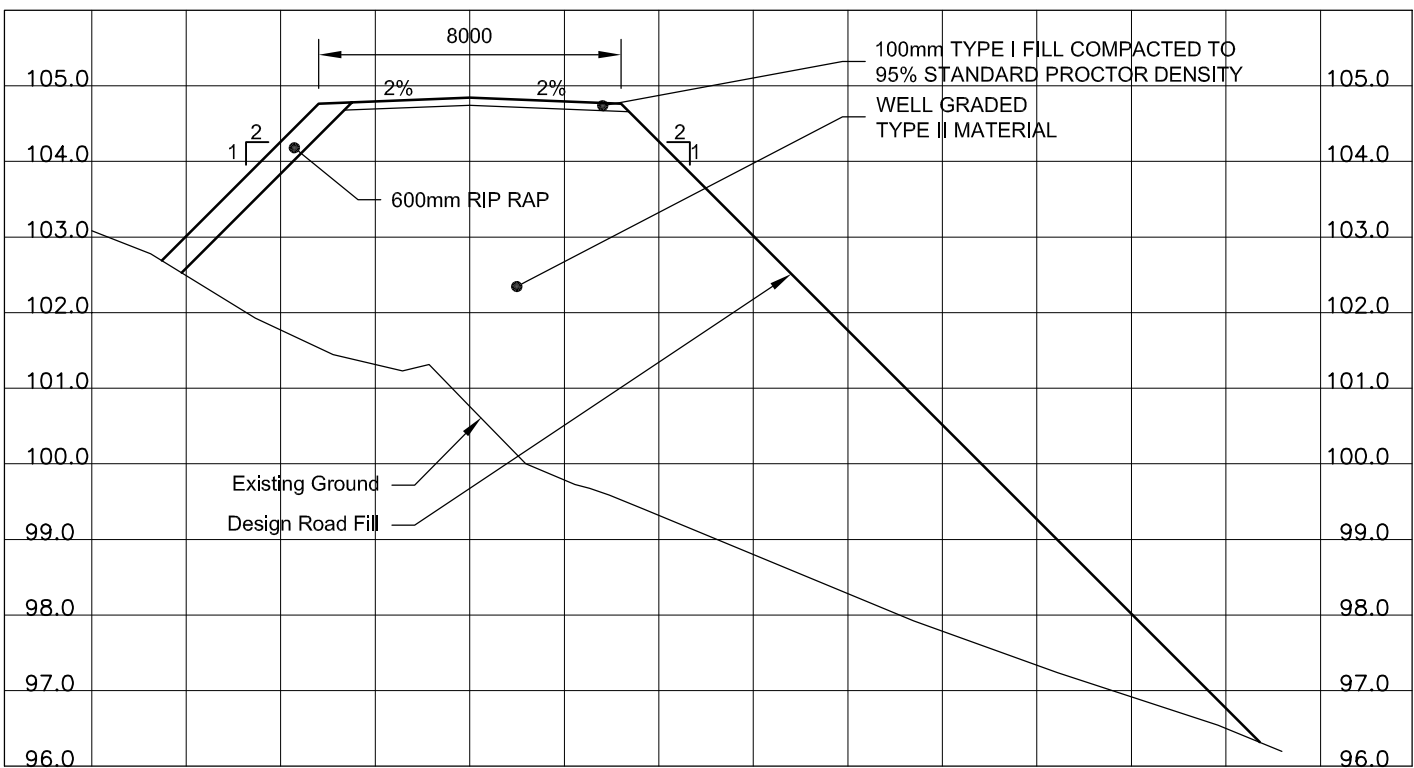
TITLE
BERM PLANS AND ELEVATIONS

DILLON CONSULTING

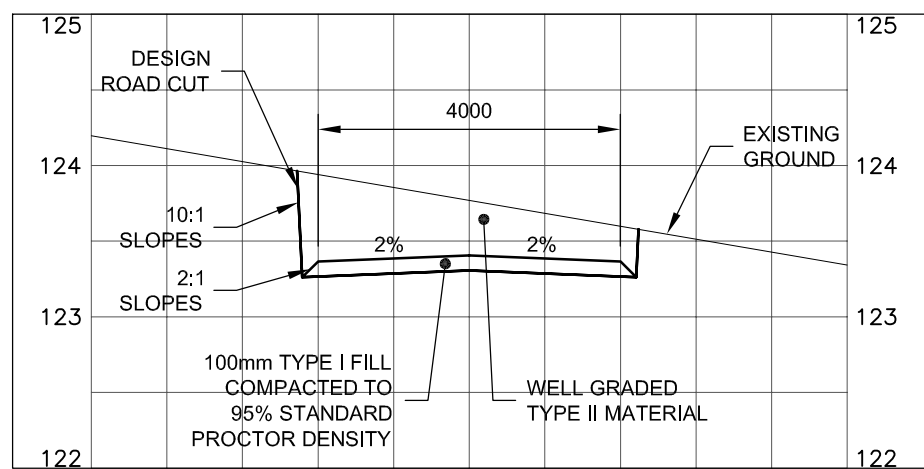
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DILLON PROJECT NUMBER: 05-4319-3000
CLIENT PROJECT NUMBER: 3439
DRAWING NUMBER: 109



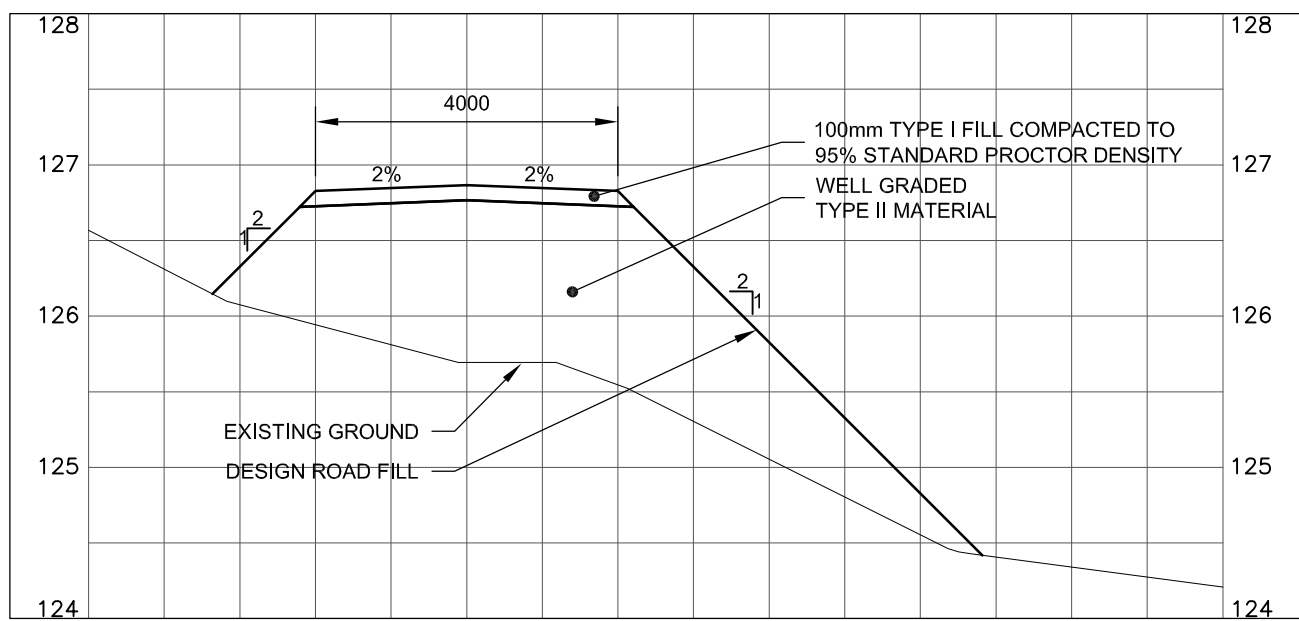
1 TYPICAL ROAD SECTION (CUT)
SCALE 1:200h 1:100v



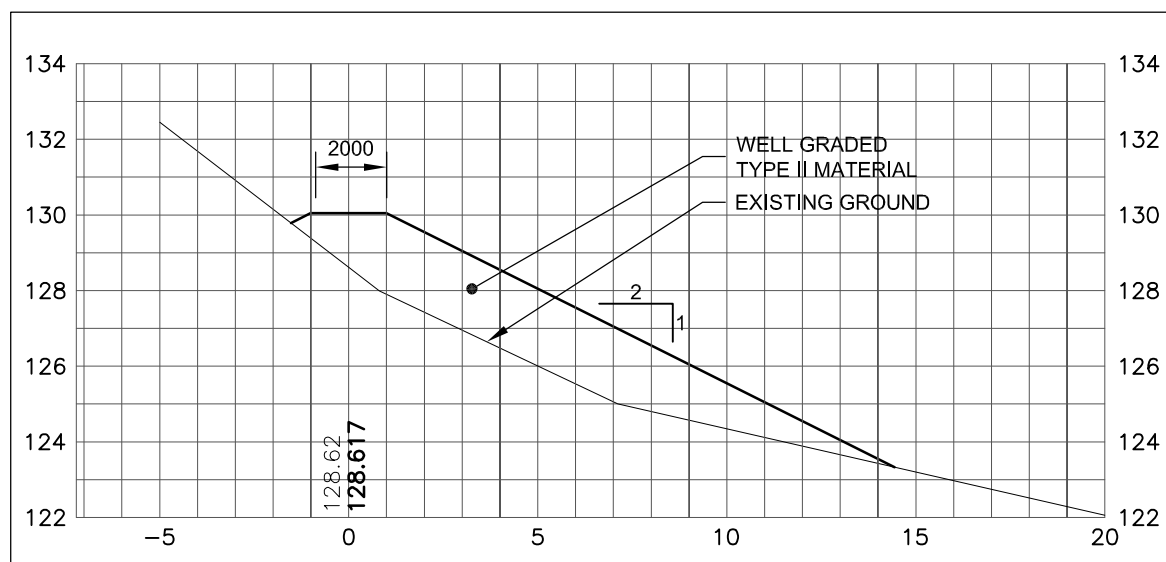
2 TYPICAL ROAD SECTION (FILL)
SCALE 1:200h 1:100v



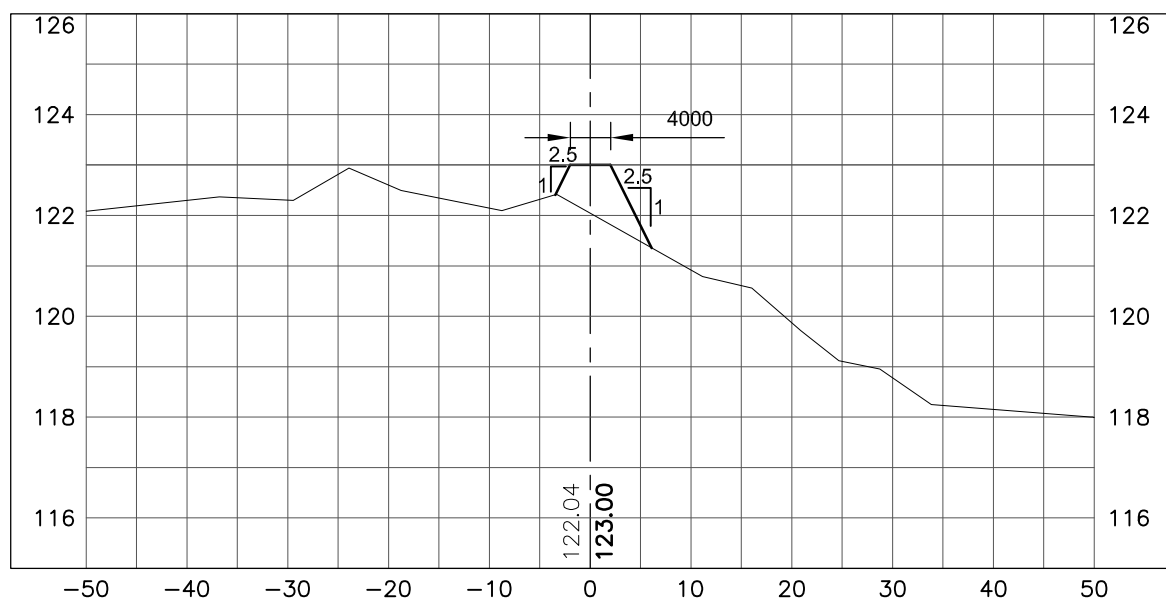
3 LAGOON ROAD SECTION (CUT)
SCALE 1:100h 1:50v



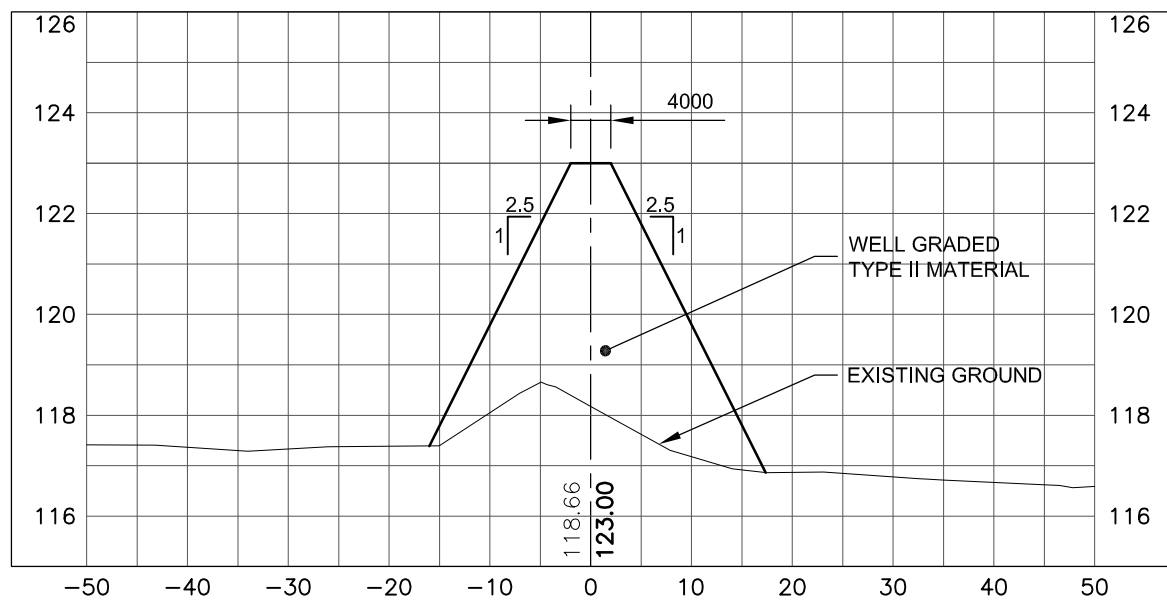
4 LAGOON ROAD SECTION (FILL)
SCALE 1:100h 1:50v



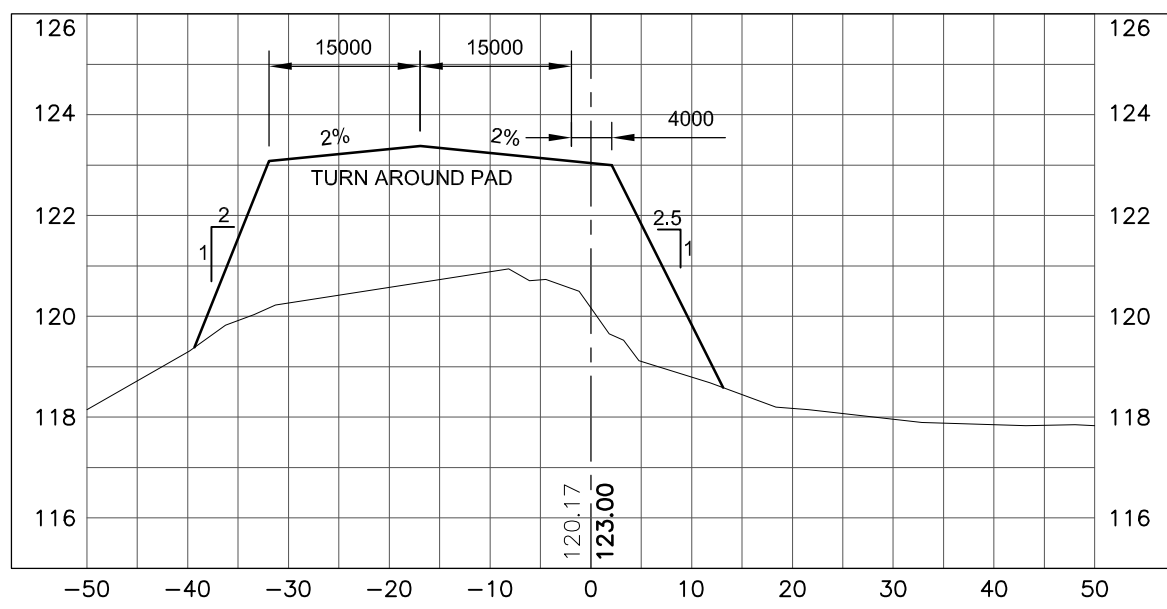
5 NORTH BERM SECTION 0+025
SCALE 1:200h 1:200v



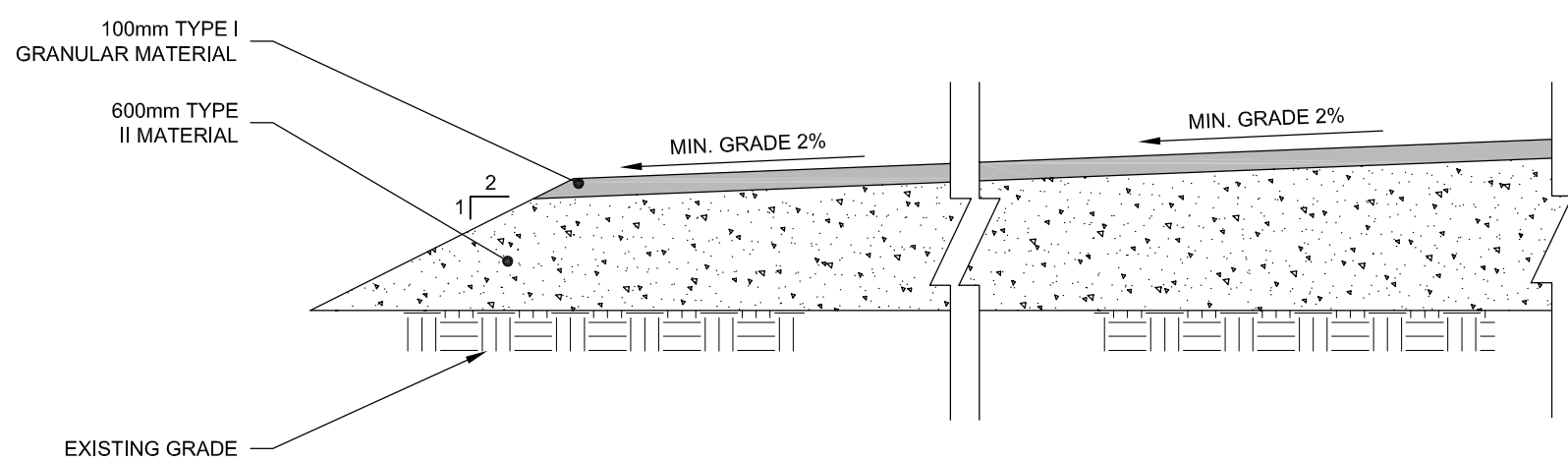
7 EAST BERM SECTION 0+010
SCALE 1:750h 1:150v



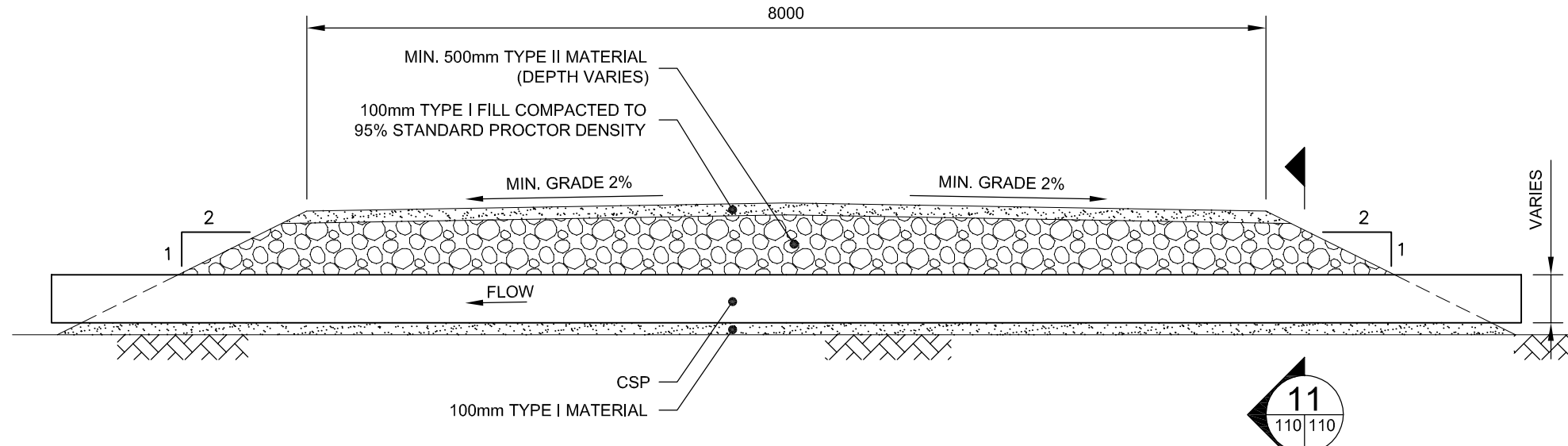
6 WEST BERM SECTION 0+140
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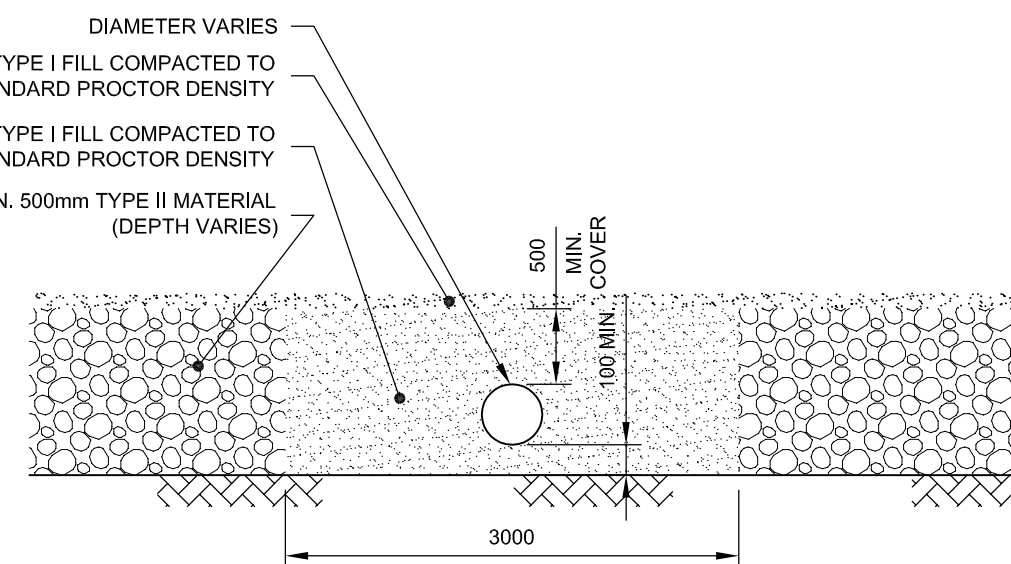
8 EAST BERM SECTION 0+050
SCALE 1:750h 1:150v



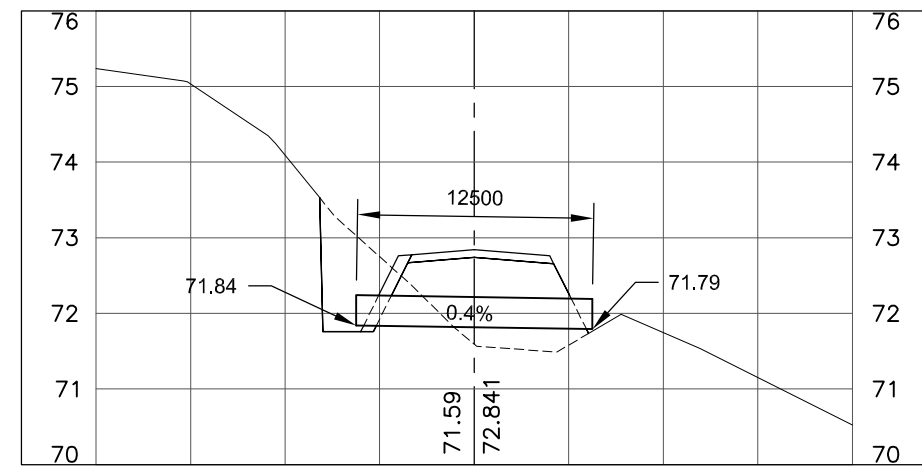
9 TRUCK TURNAROUND PAD SECTION
SCALE 1:40



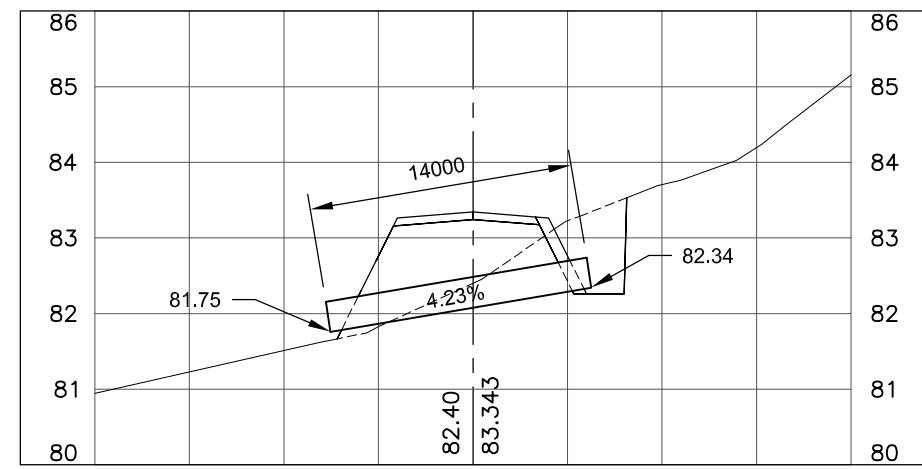
10 TYPICAL CULVERT DETAIL
SCALE 1:50



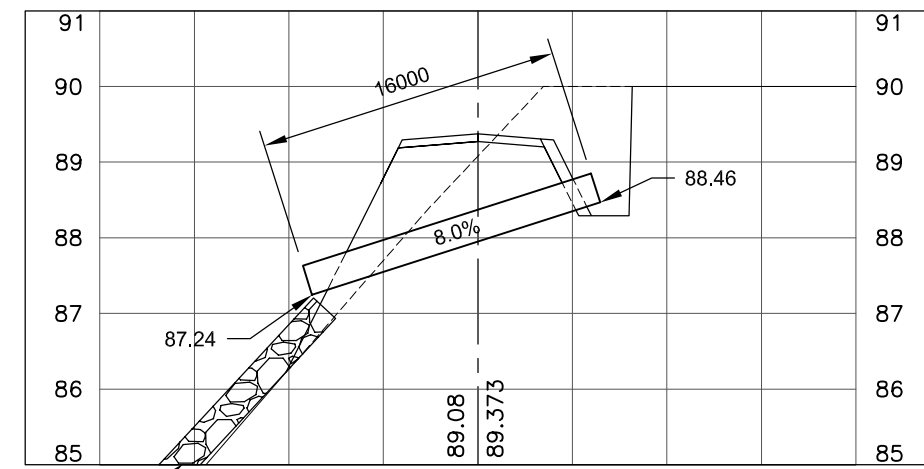
11 CULVERT SECTION
SCALE 1:50



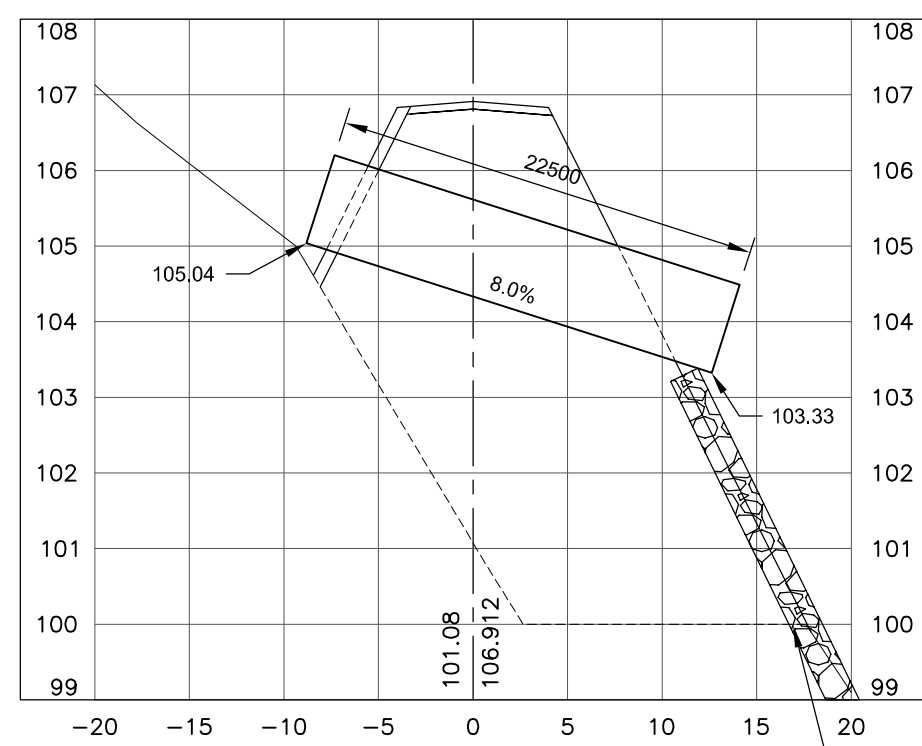
12 CULVERT SECTION AT 0+011.15
SCALE 1:400h 1:100v



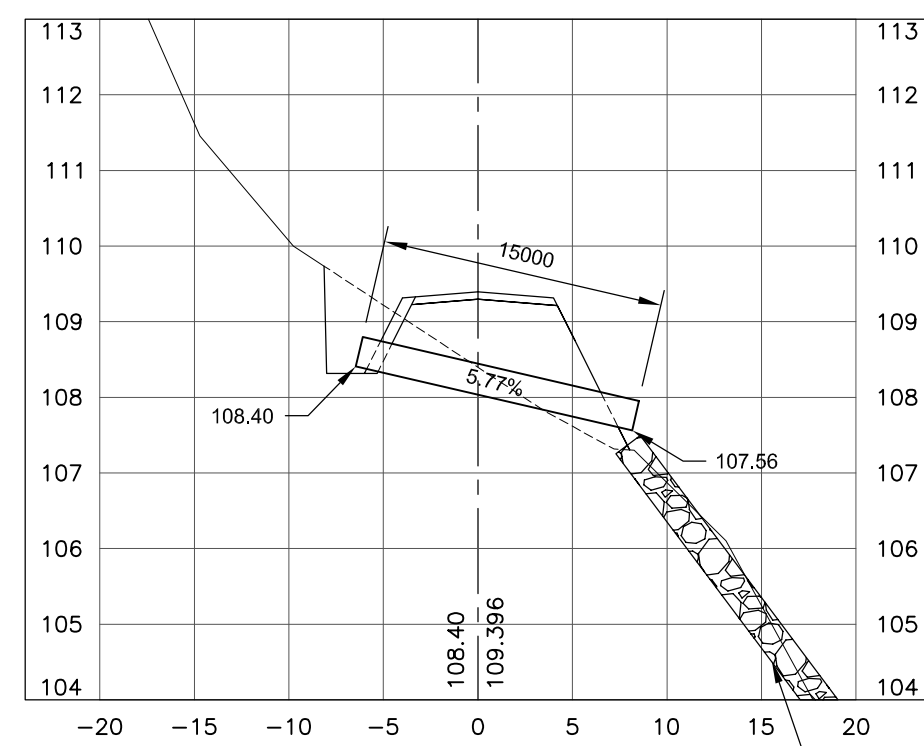
13 CULVERT SECTION AT 0+211.94
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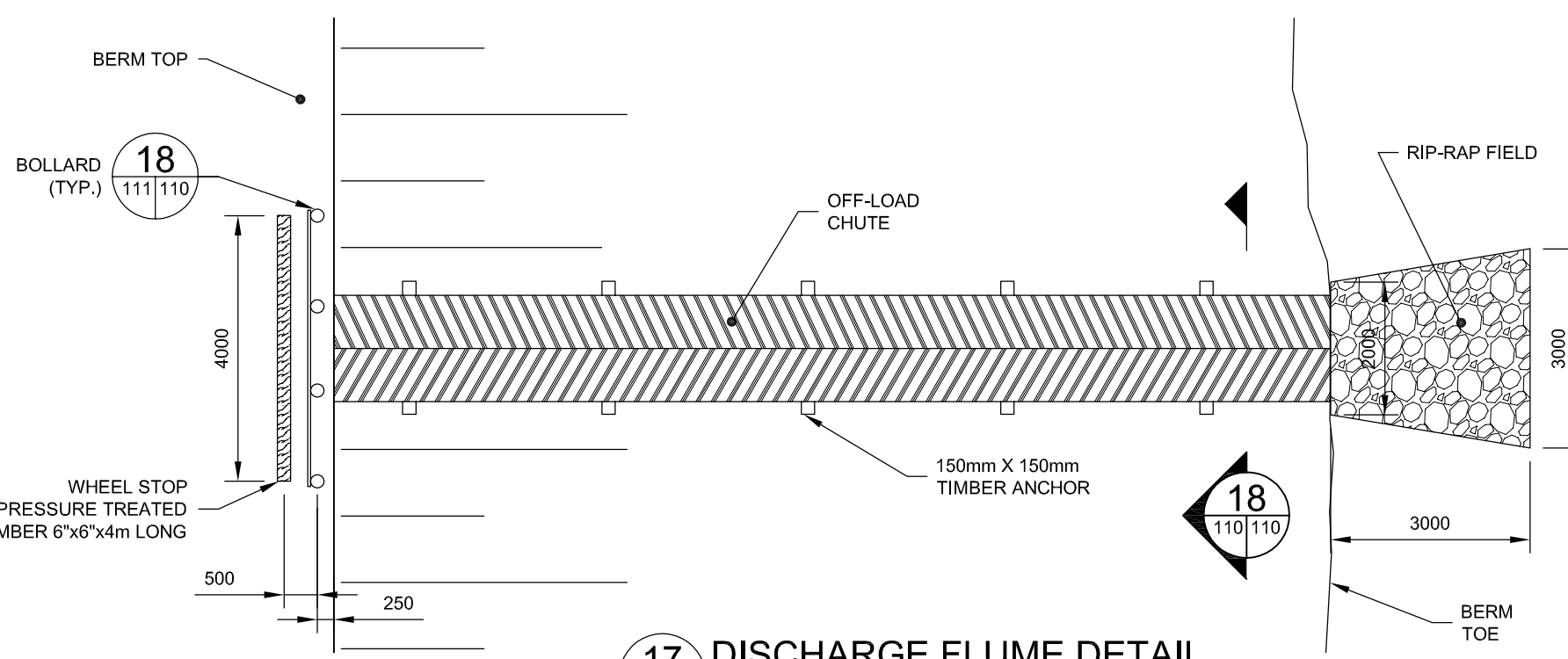
14 CULVERT SECTION AT 0+369.81
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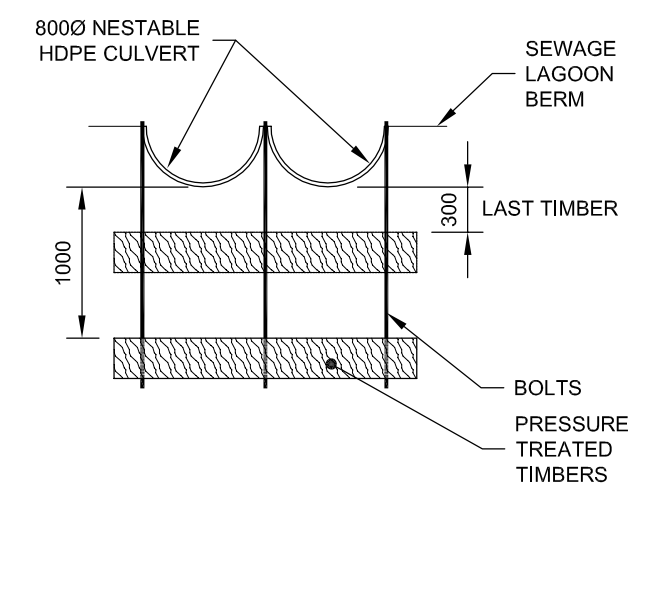
15 CULVERT SECTION AT 0+633.34
SCALE 1:400h 1:100v



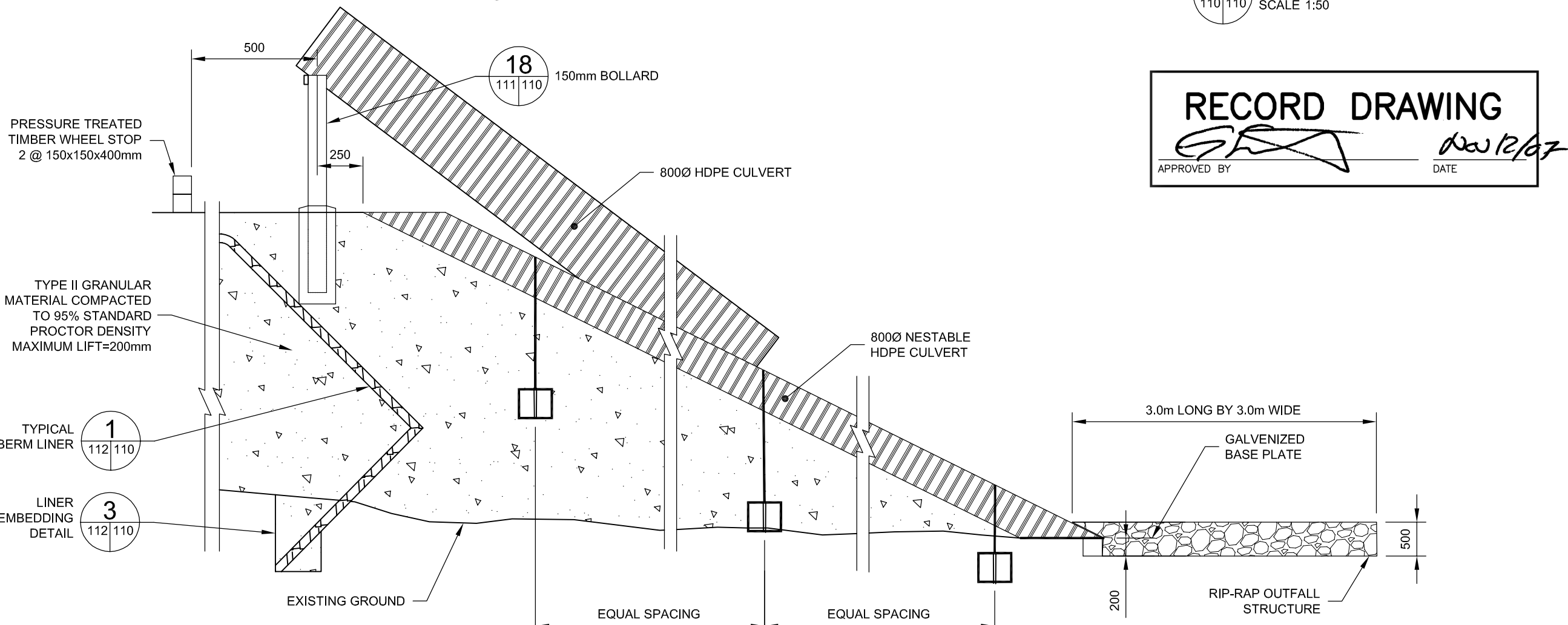
16 CULVERT SECTION AT 0+741.63
SCALE 1:400h 1:100v



17 DISCHARGE FLUME DETAIL
SCALE 1:100



18 OFFLOAD CHUTE SECTION
SCALE 1:50



20 DISCHARGE FLUME SECTION
SCALE NTS

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

5	09/07/06	ISSUED FOR CONSTRUCTION	GS
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		DATE	NOV 07
THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES				REGISTERED PROFESSIONAL ENGINEER			
PERMIT NUMBER 2008				C. STRONG			
DILLON CONSULTING LIMITED				NWT.			

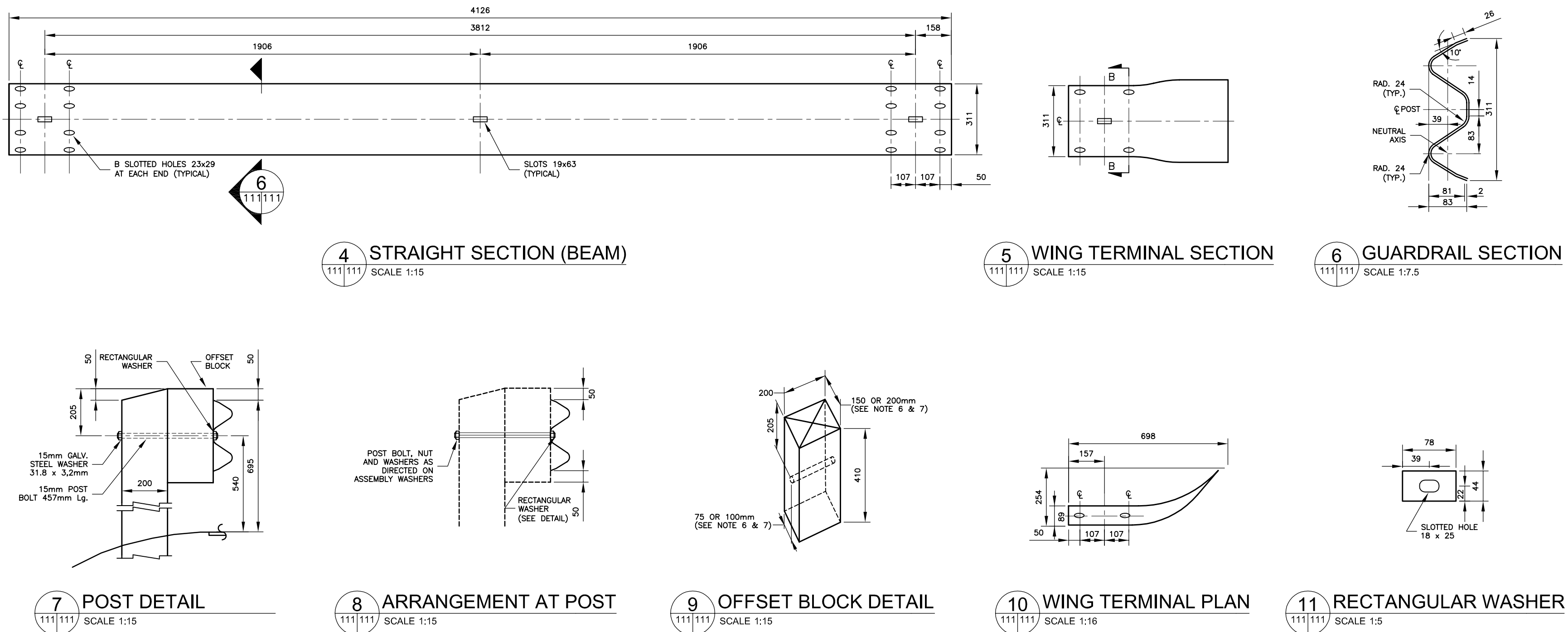
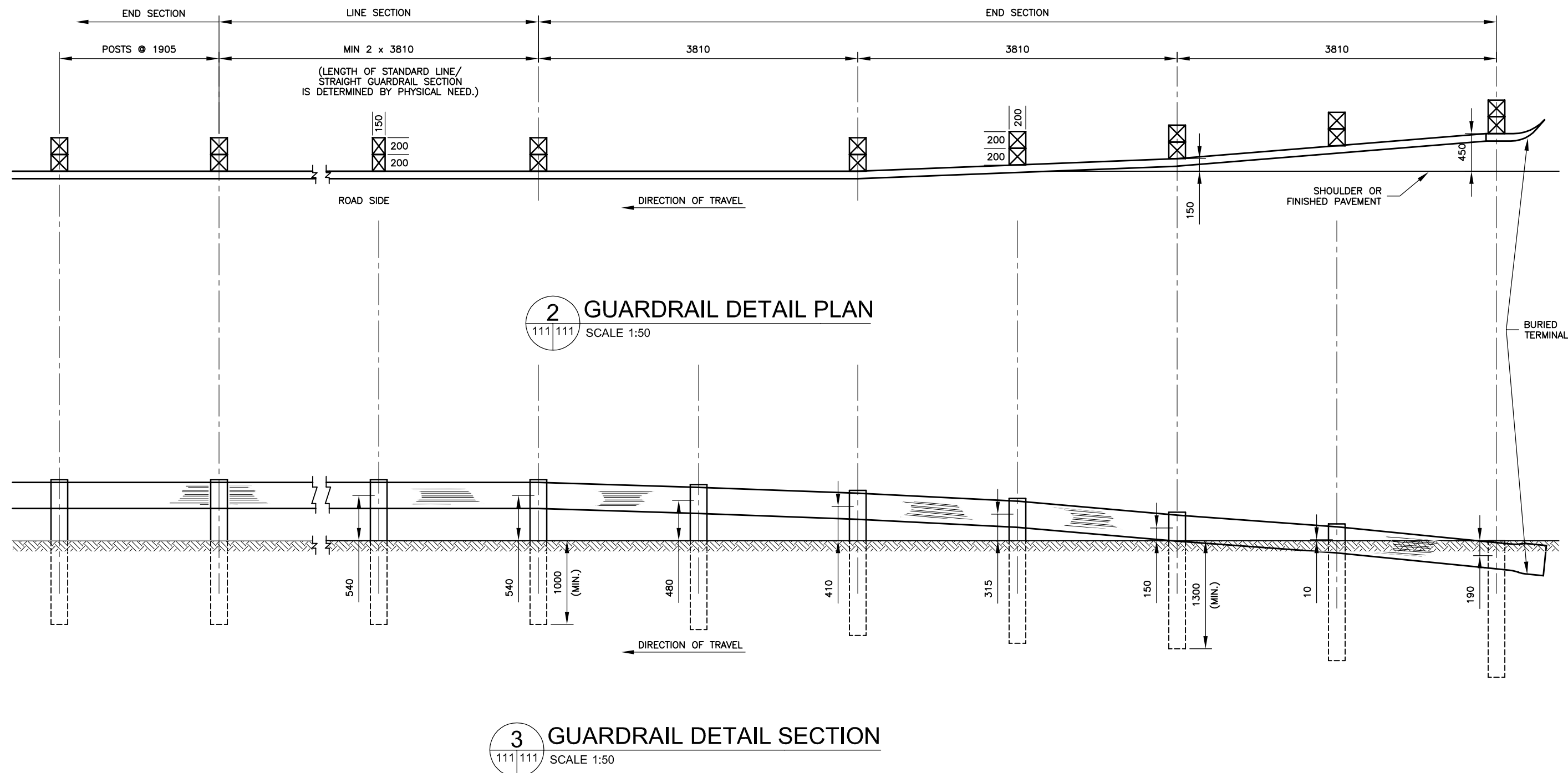


PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
EARTHWORKS & SEWAGE DISCHARGE
DETAILS AND SECTIONS

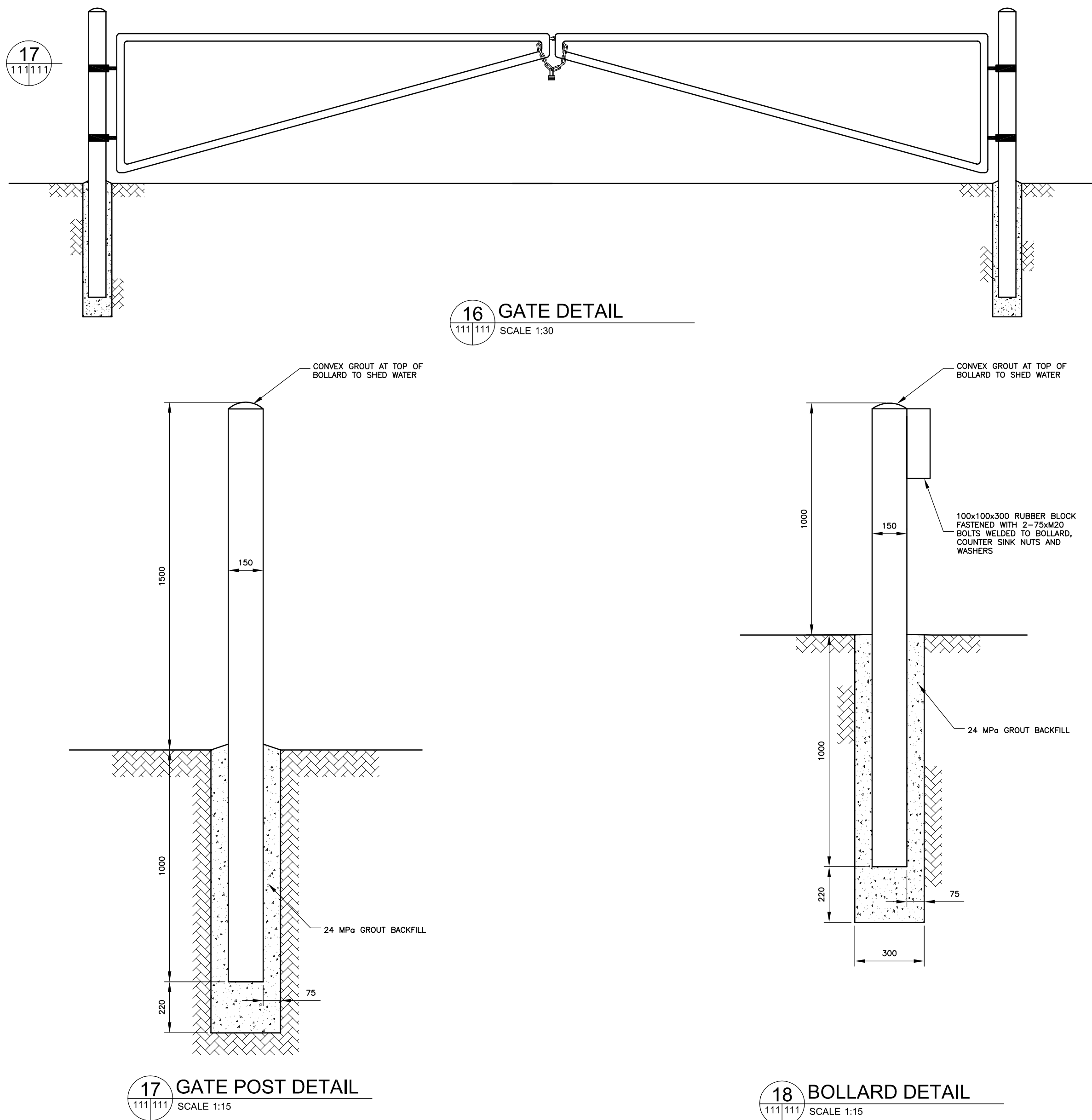
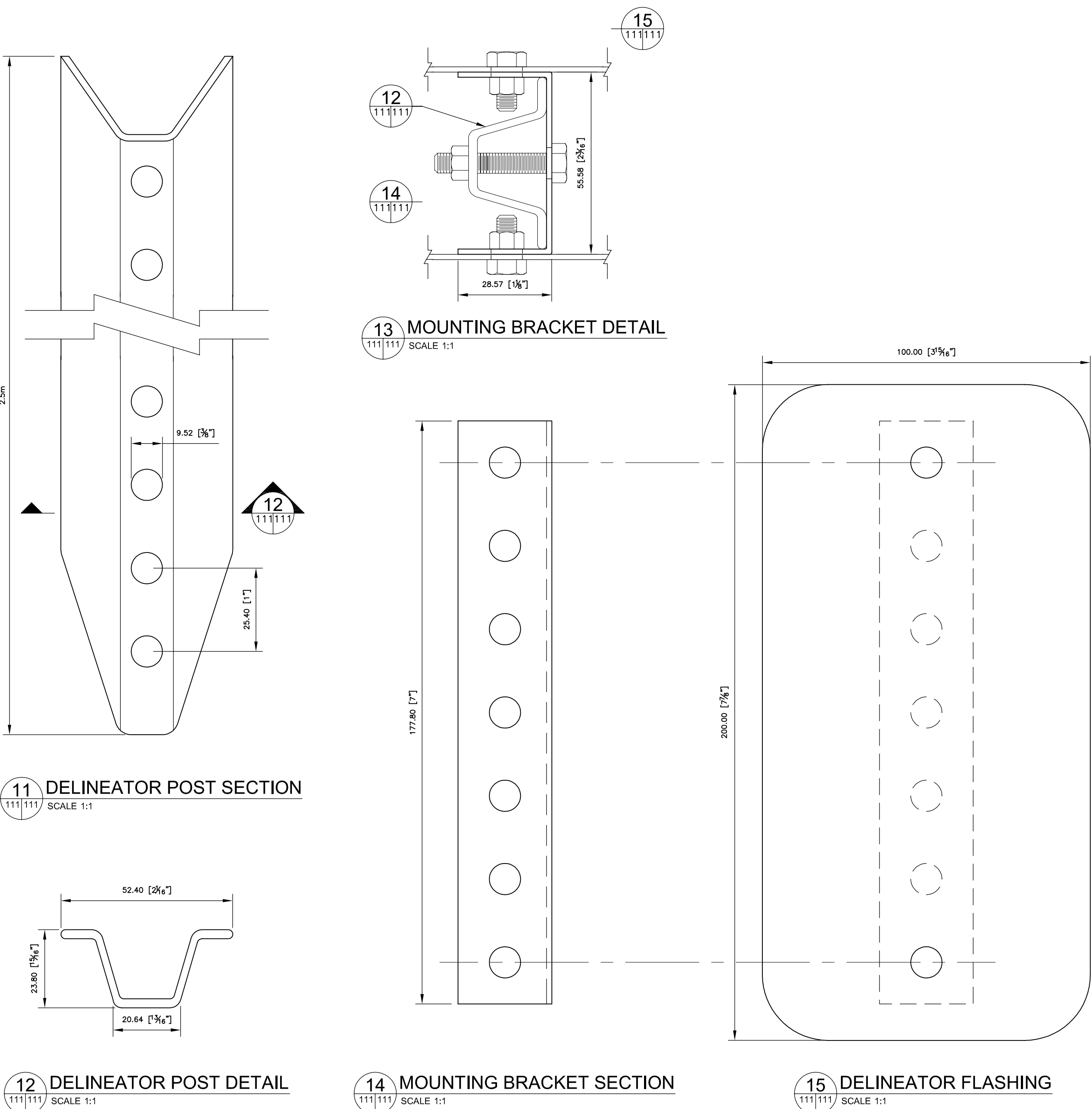
SCALE	AS SHOWN
DILLON PROJECT NUMBER	05-4319-3000
CLIENT PROJECT NUMBER	3439
DRAWING NUMBER	110

DILLON CONSULTING



1 GUARDRAIL DETAILS
SCALE VARIES

- NOTES**
- THICKNESS OF RAIL TO BE 3.8mm. THICKNESS OF RECTANGULAR WASHER TO BE 4.0mm.
 - ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES UNLESS OTHERWISE INDICATED.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ALL MEASUREMENTS IN MILLIMETERS
 - END POSTS TO 200mm x 200mm
 - LINE POSTS 150mm x 200mm
 - OFFSET BLOCKS FOR END POSTS 200mm x 200mm x 410mm
 - OFFSET BLOCKS FOR END POSTS 150mm x 200mm x 410mm
 - ALL JOINTS TO BE LAPPED IN THE DIRECTION OF TRAFFIC.
 - BURIED TERMINALS ARE TO BE USED AT BOTH ENDS OF THE GUARDRAIL.



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

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

REVISIONS

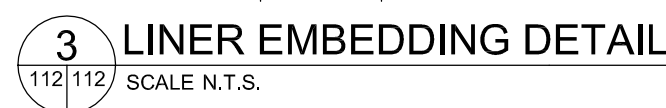
DESIGN	DRAWN	CHECKED	DATE
GS	TPW	GS	NOV 07
THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES			
PERMIT NUMBER 008			
DILLON CONSULTING LIMITED			
REGISTERED PROFESSIONAL ENGINEER C. STRONG 2007			
NWT.			



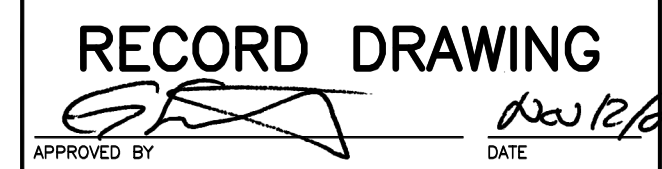
PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE
GUARDRAIL - DELINEATOR - GATE
DETAILS AND SECTIONS

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



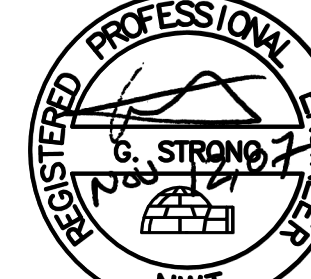
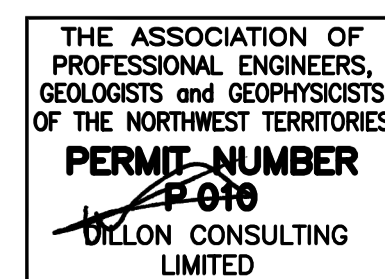
- NOTES:
- ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE
1. FOR BACKFILL SPECIFICATIONS & SOIL CLASSIFICATION SEE SPECIFICATIONS.
2. FOR BENTOMAT ST LINER SEE SPECIFICATIONS.
3. FOR ANCHORING TRENCH SEE SPECIFICATIONS.
4. FOR CONCRETE AND WIRE MESH MATERIALS SEE SPECIFICATIONS.
5. BOLLARD TO BE PAINTED RED WITH REFLECTIVE BANDS. SEE SPECIFICATIONS.



	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



PROJECT
P LAKE AREA
SEWAGE LAGOON SYSTEM
CAPE DORSET

TITLE

LAGOON BERM SECTIONS AND
DETAILS



SCALE	AS SHOWN
DILLON PROJECT NUMBER	05-4319-3000
CLIENT PROJECT NUMBER	3439
DRAWING NUMBER	112



1. 160mm DIA. HDPE PIPE DR 32.5
2. FLANGE TO FLANGE CONNECTION
3. 300 DIA. HDPE DR 17 PIPE FLANGE TO MANHOLE
4. 15mm HDPE STIFFENER (TYP. OF 4)
5. 52mm HDPE STIFFENER (TYP. OF 6)
6. 15mm HDPE FLOOR (SLOPE FLOOR TO SUMP), WELD TO MANHOLE
7. 52mm HDPE BASE, WELD TO MANHOLE
8. 52mm HDPE LIFTING HOOK (TYP. OF 4)
9. HUNT PIPE SUPPORT
10. BUILT UP HDPE LADDER 400mm WIDE C/W RUNGS @ 300 C/O. FIX TO HDPE MANHOLE
11. 150 DIA. HDPE DR 17 PIPE WELD TO MANHOLE
12. ACCESS VAULT LID C/W ACCESS HATCH
13. 300 DIA. RESIDENT SEAT GATE VALVE
14. 45 - 75mm DIA. HDPE ACCESS PORT C/W 75mm BALL VALVE AND CAR. INSTALL @ 10° SKEW FROM
15. 50mm THK. BUILT UP BOARD INSULATION
16. 25mm MINUS GRANULAR BASE COURSE @ 97% S.P.D.
17. 15mm HDPE x 400mm DIA. SUMP
18. 52mm HDPE STIFFENER AND SEEPAGE CUT OFF 300mm X 1000mm HIGH (TYP. OF 6)
19. EXTENSION SUMP

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.

1. 6mm THK. GALV. STEEL STAPLE
2. 12.5mm DIA. DRILLED HOLE FOR PADLOCK
3. 12.5mm DIA. GALV. STEEL BAR LIFTING HANDLE
4. 50mmx15mm SLOT HOLE
5. 6mm FILLET WELD ALL AROUND (TYP.)
6. 25mm WIDE x 6mm THK. RUBBER GASKET MASTIC TO UNDERSIDE OF HATCH COVER (TYPICAL 4 SIDES)
7. 6mm THK. GALV. STEEL PLATE ACCESS HATCH COVER
8. 6mm THK. GALV. STEEL PLATE MANHOLE LID

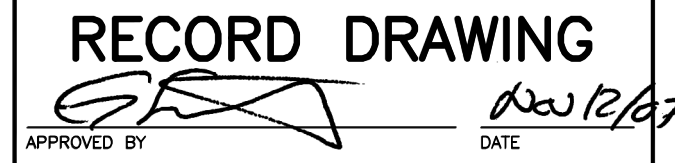
1. ACCESS MANHOLE LID & HATCH ANGLE FRAMING ARE NOT SHOWN FOR CLARITY. FOR DETAIL REFER TO FRAMING PLAN AS PER DETAIL.
2. ALL WELDS AND ABRASIONS TO BE REPAIRED WITH TWO COATS OF GALVCON.

1. 12mm THK. GALV. STEEL HINGE ARM C/W HOLE FOR 13mm DIA. PIN
2. 12mm THK. GALV. STEEL HINGE ARM SUPPORT C/W HOLE FOR 13mm DIA. PIN (TYPICAL OF 2)
3. 60mm x 60mm x 12mm THK. GALV. STEEL BASE PLATE
4. GALV. STEEL WASHER (TYP.)
5. 6mm FILLET WELD ALL AROUND
6. 25mm WIDE x 6mm THK. RUBBER GASKET MASTIC TO UNDERSIDE OF HATCH COVER (TYPICAL OF 2 SIZES)
7. 6mm THK. GALV. STEEL PLATE ACCESS HATCH COVER
8. 6mm THK. GALV. STEEL PLATE MANHOLE LID
9. 13mm DIA. GALV. STEEL PIN C/W 2 COTTER PIN



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.

- 1 1220mm DIA. HPDE DR 32.5 MANHOLE WALL
2 19mm DIA. GALV. NUT, BOLT & WASHER (4 REQ'D) SEE ACCESS MANHOLE LID FRAMING PLAN FOR ARRANGEMENT
3 19mm DIA. GALV. NUT, CARRIAGE BOLT & WASHER (4 REQ'D) SEE ACCESS THATCH FRAMING PLAN FOR ARRANGEMENT
4 6mm THK. GALV. STEEL PLATE ACCESS HATCH COVER
5 6mm THK. GALV. STEEL PLATE MANHOLE LID
6 6mm THK. x 75mm DEEP GALV. STEEL BANG, WELD TO LID
7 12.75mm DIA. RUBBER GASKET CONTINUOUS ALL AROUND AND BOLTED TO HATCH MANHOLE
8 55x55x5 GALV. ANGLE SEE LID FRAMING **DETAIL 4**
9 55x55x5 GALV. ANGLE SEE ACCESS THATCH FRAMING **DETAIL 3**
10 12.5mm DIA. RUBBER GASKET IN ROUTERED SLOT CONTINUOUS ALL AROUND WEATHER TIGHT
11 25mm Wide x 6mm THK. RUBBER GASKET; MASTIC TO UNDERSIDE OF HATCH COVER (TYP. 4 SIDES)
12 ACCESS HATCH COVER HINGE (TYP. OF 2PIER) SEE **DETAIL 8** THIS DWG.
13 ACCESS HATCH COVER HASP & LIFTING HANDLE SEE **DETAIL 6** THIS DWG.
14 1600mm DIA. HPDE DR 32.5 MANHOLE WALL
15 HPDE MANHOLE WALL
16 HOPE LIFTING HOOP SEE FRAMING **DETAIL 4** FOR ARRANGEMENT
17 52mm IDHPDE LIFTING HOOP C/W 25mm DIA. HOLE (4 REQ'D)



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  GILLON CONSULTING LIMITED			



TITLE	ACCESS MANHOLE DETAILS
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SCALE	AS SHOWN
DILLON PROJECT NUMBER	05-4319-3000
CLIENT PROJECT NUMBER	3439
DRAWING NUMBER	113



- NOTES:
1. ALL ITEMS GALVENIZED

- NOTES:
1. ALL ITEMS
GAI VENIZI