

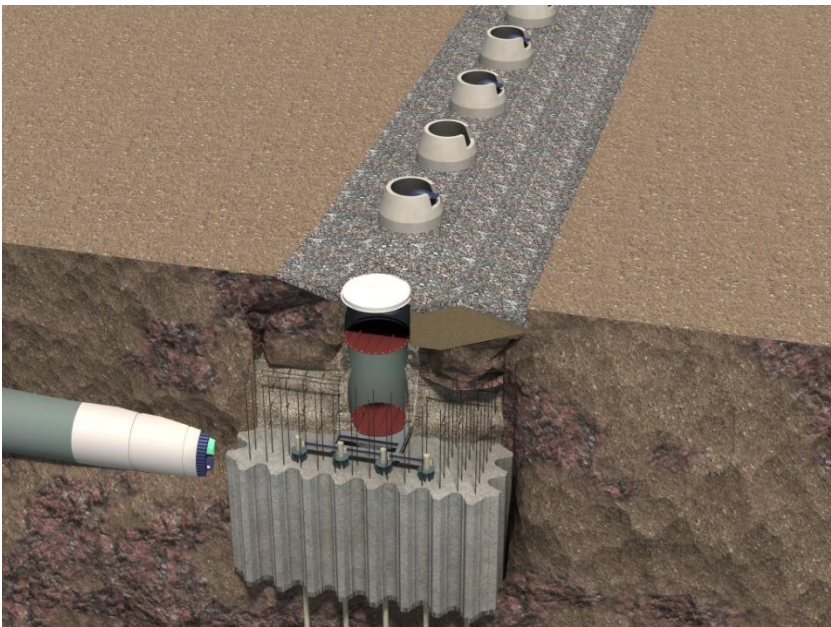
APPENDIX B GEOTECHNICAL REPORTS

B.1: Geotechnical Data Report

Part E: Appendix C

Annacis Island WWTP New Outfall System

Vancouver Fraser Port Authority
Project and Environmental Review Application



 **metrovancover**
SERVICES AND SOLUTIONS FOR
A LIVABLE REGION

**CDM
Smith**

 **Golder
Associates**

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APPENDIX C

Photographs of Sonic Cores



2.7 m

Box 1 of 23: 0 m to 4.9 m


4.9 m



6.4 m

Box 2 of 23: 4.9 m to 7.9 m

7.9 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-01
	PREPARED HV	BOXES 1 & 2 OF 23, 0 M TO 7.9 M	
	DESIGN YEW		
	REVIEW YEW		
	APPROVED VF		
PROJECT No 1525010	PHASE No 2000	Rev 0	FIGURE C-01



9.1 m

Box 3 of 23: 7.9 m to 11.0 m


11.0 m



12.2 m

Box 4 of 23: 11.0 m to 14.0 m

14.0 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-01
	PREPARED HV	BOXES 3 to 4 of 23, 7.9 m to 14 m	
	DESIGN YEW		
	REVIEW YEW		
	APPROVED VF		
PROJECT No 1525010	PHASE No 2000	Rev 0	FIGURE C-02



14.9 m

Box 5 of 23: 14.0 m to 17.1 m

17.1 m




17.7 m

Box 6 of 23: 17.1 m to 20.1 m

20.1 m

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CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-01 BOXES 5 & 6 OF 23, 14.0 M TO 20.1 M
	PREPARED HV	PROJECT No	1525010
	DESIGN YEW	PHASE No	2000
	REVIEW YEW	Rev	0
	APPROVED VF	FIGURE	C-03

20.1 m

23.2 m



23.2 m

Box 7 of 23: 20.1 m to 26.2 m

26.2 m

26.2 m

29.3 m



29.3 m

Box 8 of 23: 26.2 m to 30.5 m 30.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-01 BOXES 7 to 8 of 23, 20.1 M to 30.5 M		
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PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-04





32.3 m

33.2 m

Box 9 of 23: 30.5 m to 33.2 m




33.2 m

35.4 m

36.5 m

Box 10 of 23: 33.2 m to 36.5 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-01
	PREPARED	HV	BOXES 9 to 10 of 23, 30.5 M to 36.5 M
	DESIGN	YEW	
	REVIEW	YEW	
	APPROVED	VF	
PROJECT No	1525010	PHASE No	2000
		Rev	0
		FIGURE	C-05

36.5 m

38.4 m



38.4 m

39.6 m

Box 11 of 23: 36.5 m to 39.6 m

39.6 m

41.5 m



41.5 m

42.8 m

Box 12 of 23: 39.6 m to 42.8 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-01 BOXES 11 to 12 of 23, 36.5 M to 42.8 M		
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PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-06





42.8 m

44.5 m

44.5 m

45.7 m


Box 13 of 23: 42.8 m to 45.7 m



45.7 m

Box 14 of 23: 45.7 m to 49.2 m

49.2 m

CLIENT		PROJECT	
CDM SMITH CANADA ULC		ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD	TITLE	
	2018-01-23	SH16-01	
	PREPARED	HV	
	DESIGN	YEW	
	REVIEW	YEW	
	APPROVED	VF	
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-07



Box 15 of 23: 49.2 m to 51.9 m



Box 16 of 23: 51.9 m to 55.0 m

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CLIENT		PROJECT	
CDM SMITH CANADA ULC		ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT		TITLE	
2018-01-23		SH16-01	
PREPARED HV		BOXES 15 to 16 of 23, 49.2 M to 55.0 M	
DESIGN YEW		PROJECT No 1525010	
REVIEW YEW		PHASE No 2000	
APPROVED VF		Rev 0	
		FIGURE C-08	





56.7 m

Box 17 of 23: 55.0 m in to 58.5 m

58.5 m



58.5 m

Box 18 of 23: 58.5 m in to 61.4 m

61.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-01
BOXES 17 to 18 of 23, 55.0 M to 61.4 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-09



61.4 m



Box 19 of 23: 61.4 m to 64.6 m

64.6 m

64.6 m

65.8 m



Box 20 of 23: 64.6 m to 67.5 m

65.8 m

67.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
SH16-01
BOXES 19 to 20 of 23, 61.4 M to 67.5 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-10




Box 21 of 23: 67.5 m to 70.2 m



Box 22 of 23: 70.2 m to 73.6 m


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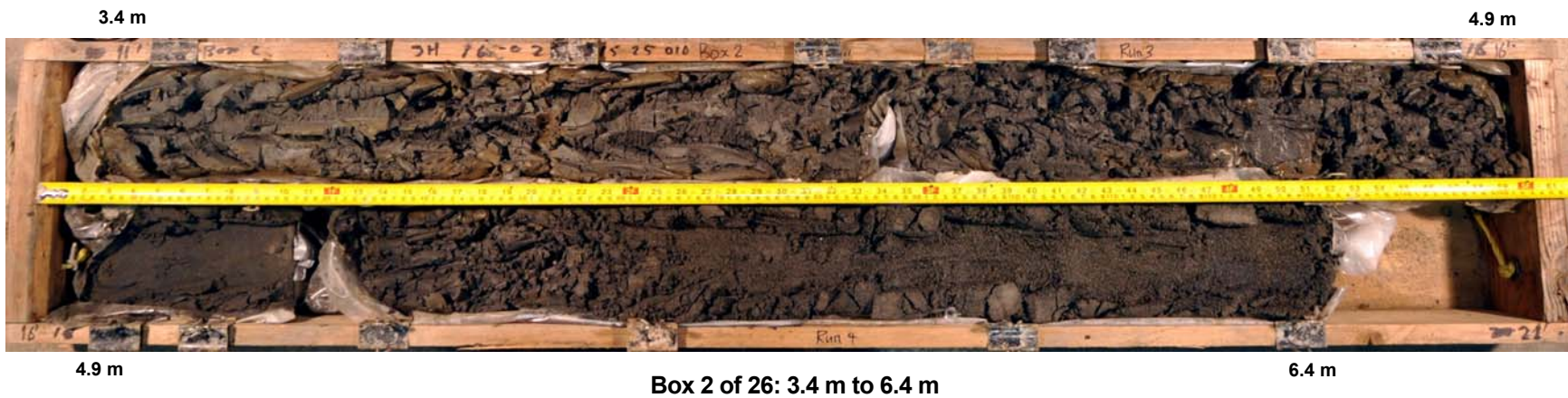
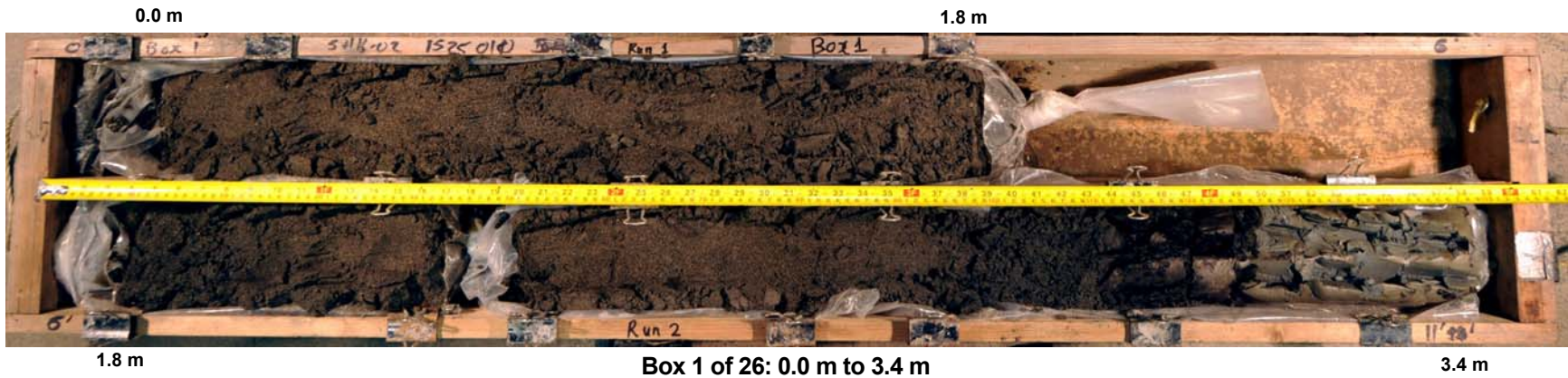
CLIENT		PROJECT		
CDM SMITH CANADA ULC		ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.		
CONSULTANT	YYYY-MM-DD	TITLE		
	2018-01-23	SH16-01		
	PREPARED	BOXES 21 to 22 of 23, 67.5 m to 73.6 m		
	DESIGN	PROJECT No		
	REVIEW	1525010	PHASE No	2000
	APPROVED	YF	Rev	0
		FIGURE		
		C-11		



Box 23 of 23: 73.6 m to 75 m

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CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-01
	PREPARED	HV	BOXES 23 of 23, 73.6 M to 75 M
	DESIGN	YEW	
	REVIEW	YEW	
	APPROVED	VF	
PROJECT No	1525010	PHASE No	2000
		Rev	0
		FIGURE	C-12



CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT
Golder Associates

YYYY-MM-DD	2018-01-23
PREPARED	HV
DESIGN	YEW
REVIEW	YEW
APPROVED	VF

TITLE
SH16-02
BOXES 1 & 2 OF 26, 0 M TO 6.4 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-13



7.9 m

Box 3 of 26: 6.4 m to 9.4 m

9.4 m



11 m

Box 4 of 26: 9.4 m to 12.5 m

12.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
**SH16-02
BOXES 3 & 4 OF 26, 6.4 M TO 12.5 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-14

17.1 m



Box 5 of 26: 17.1 m to 20.1 m

20.1 m

20.1 m



Box 6 of 26: 20.1 m to 23.2 m

23.2 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

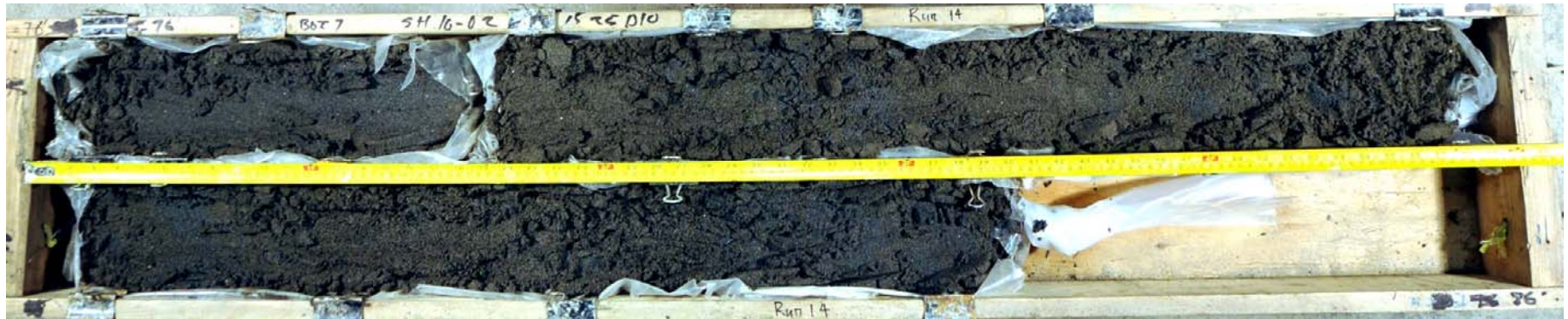
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	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-02 BOXES 5 & 6 OF 26, 17.1 M TO 23.2 M
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PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-15

23.2 m



Box 7 of 26: 23.2 m to 26.2 m 26.2 m

26.2 m



Box 8 of 26: 26.2 m to 29.3 m 29.3 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-02 BOXES 7 & 8 OF 26, 23.2 M TO 29.3 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-16



29.3 m



Box 9 of 26: 29.3 m to 32.3 m

32.3 m

32.3 m



Box 10 of 26: 32.3 m to 35.4 m

35.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-02 BOXES 9 & 10 OF 26, 29.3 M TO 35.4 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-17



35.4 m



Box 11 of 26: 35.4 m to 38.4 m

38.4 m

38.4 m



Box 12 of 26: 38.4 m to 44.5 m

41.5 m

44.5 m

41.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-02 BOXES 11 & 12 OF 26, 35.4 M TO 44.5 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-18



44.5 m



Box 13 of 26: 44.5 m to 47.5 m

47.5 m

47.5 m



Box 14 of 26: 47.5 m to 49.4 m

49.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT

YYYY-MM-DD 2018-01-23

TITLE

SH16-02

BOXES 13 & 14 OF 26, 44.5 M TO 49.4 M



PREPARED HV

DESIGN YEW

REVIEW YEW

APPROVED VF

PROJECT No
1525010

PHASE No
2000

Rev
0

FIGURE
C-19




50.3 m 50.3 m Box 15 of 26: 162 ft to 171 ft 52.1 m



52.1 m 52.7 m Box 16 of 26: 171 ft to 176 ft 6 in 53.8 m

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CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.			
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-02		
	PREPARED HV	BOXES 15 & 16 OF 26, 49.4 M TO 53.8 M			
	DESIGN YEW				
	REVIEW YEW	PROJECT No 1525010	PHASE No 2000	Rev 0	FIGURE C-20
	APPROVED VF				



53.8 m

55.2 m

55.2 m

Box 17 of 26: 53.8 m to 56.7 m

56.7 m




56.7 m

191 ft

58.2 m

58.8 m

Box 18 of 26: 56.7 m to 58.8 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-02
	PREPARED	HV	BOXES 17 & 18 OF 26, 53.8 M TO 58.8 M
	DESIGN	YEW	
	REVIEW	YEW	
	APPROVED	VF	
PROJECT No	1525010	PHASE No	2000
		Rev	0
		FIGURE	C-21

58.8 m

59.9 m



59.9 m

Box 19 of 26: 193 ft to 201 ft

61.3 m

61.3 m

62.5 m



62.5 m

Box 20 of 26: 201 ft to 209 ft

63.7 m

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CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-02 BOXES 19 & 20 OF 26, 58.8 M TO 63.7 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-22

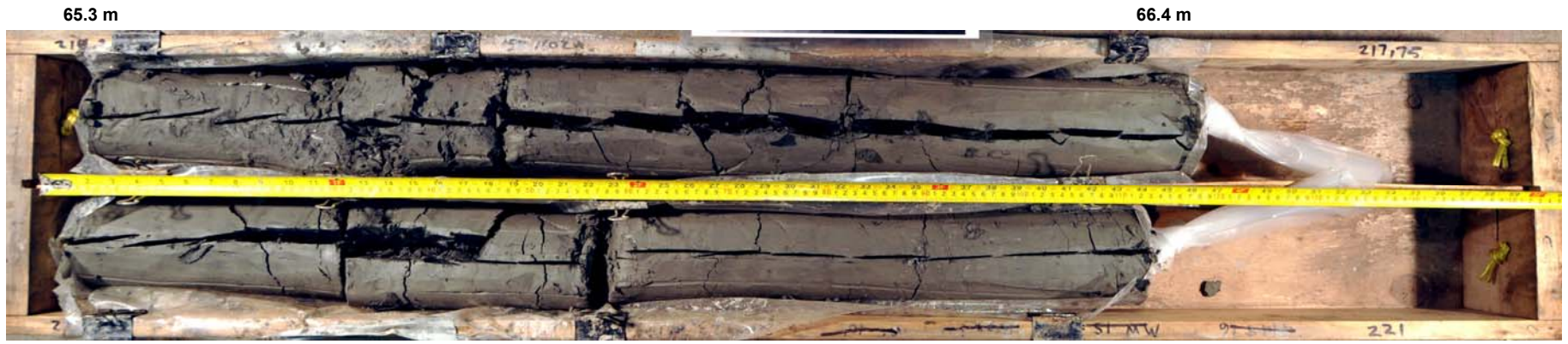




64.3 m

Box 21 of 26: 63.7 m to 65.3 m

65.3 m



65.3 m

Box 22 of 26: 65.3 m to 67.4 m

66.4 m

66.4 m

67.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
**SH16-02
BOXES 21 & 22 OF 26, 63.7 M TO 67.4 M**



PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-23

67.4 m

68.6 m



68.6 m

Box 23 of 26: 67.4 m to 69.6 m

69.6 m

69.6 m

71.0 m



71.0 m

Box 24 of 26: 69.6 m to 72.1 m

72.1 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
**SH16-02
BOXES 23 & 24 OF 26, 67.4 M TO 72.1 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-24



73.5 m

Box 25 of 26: 72.1 m to 75.1 m

75.1 m



75.1 m

Box 26 of 26: 75.1 m to 76.5 m

76.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT
Golder Associates

YYYY-MM-DD	2018-01-23
PREPARED	HV
DESIGN	YEW
REVIEW	YEW
APPROVED	VF

TITLE
**SH16-02
BOXES 25 & 26 OF 26, 72.1 M TO 76.5 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-25



0.0 m

3.5 m

3.5 m

Box 1 of 33: 0.0 m to 4.9 m

4.9 m



4.9 m

6.4 m

6.4 m

Box 2 of 33: 4.9 m to 7.9 m

7.9 m

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CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-05 BOXES 1 & 2 OF 33, 0 M TO 7.9 m		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-26



7.9 m

9.9 m



9.9 m

Box 3 of 33: 7.9 m to 11.0 m

11.0 m

11.0 m

11.7 m



11.7 m

Box 4 of 33: 11.0 m to 14.0 m

14.0 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-05 BOXES 3 & 4 of 33, 7.9 M to 14.0 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-27



14.0 m

15.8 m



15.8 m

Box 5 of 33: 14.0 m to 17.1 m

17.1 m

17.1 m

18.2 m



18.2 m

Box 6 of 33: 17.1 m to 20.1 m

20.1 m

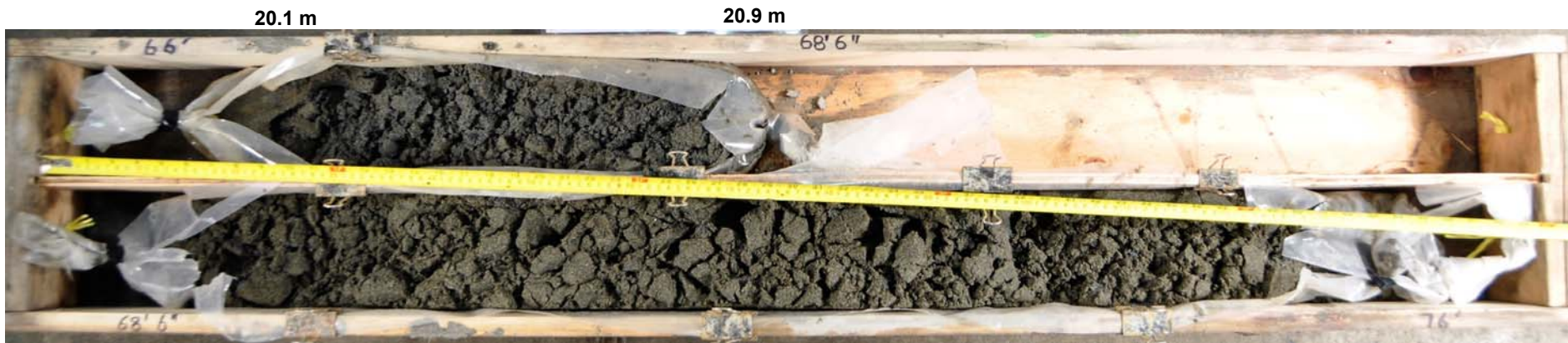
CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-05 BOXES 5 & 6 of 33, 14.0 M TO 20.1 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-28





20.9 m

Box 7 of 33: 20.1 m to 23.2 m

23.2 m



24.4 m

Box 8 of 33: 23.2 m to 26.2 m

26.2 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-05
BOXES 7 & 8 of 33, 20.1 M TO 26.2 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-29





27.6 m

Box 9 of 33: 26.2 m to 29.3 m

29.3 m



30.4 m

Box 10 of 33: 29.3 m to 32.3 m

32.3 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-05
BOXES 9 & 10 of 33, 26.2 M to 32.3 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-30





33.6 m

32.3 m

33.6 m

Box 11 of 33: 32.3 m to 35.4 m

35.4 m



36.7 m

35.4 m

36.7 m

Box 12 of 33: 35.4 m to 38.4 m

38.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-05 BOXES 11 & 12 of 33, 106 ft to 126 ft		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-31





39.5 m

38.4 m

Box 13 of 33: 38.4 m to 41.5 m

39.5 m

41.5 m



41.5 m

43.2 m

Box 14 of 33: 41.5 m to 44.5 m

43.2 m

44.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
**SH16-05
BOXES 13 & 14 of 33, 38.4 M TO 44.5 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-32

44.5 m

46.3 m



46.3 m

47.5 m

Box 15 of 33: 44.5 m to 47.5 m

47.5 m

49.1 m



49.1 m

50.6 m

Box 16 of 33: 47.5 m to 50.6 m

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CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-05 BOXES 15 & 16 of 33, 44.5 M TO 50.6 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-33





Box 17 of 33: 50.6 m to 53.6 m



Box 18 of 33: 53.6 m to 56.7 m

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CLIENT		PROJECT	
CDM SMITH CANADA ULC		ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT		TITLE	
Golder Associates		SH16-05	
		BOXES 17 & 18 of 33, 50.6 M TO 56.7 M	
YYYY-MM-DD	2018-01-23	PROJECT No	1525010
PREPARED	HV	PHASE No	2000
DESIGN	YEW	Rev	0
REVIEW	YEW	FIGURE	C-34
APPROVED	VF		



57.9 m

Box 19 of 33: 56.7 m to 59.7 m

59.7 m



61.4 m

Box 20 of 33: 59.7 m to 62.8 m

62.8 m

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CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-05
	PREPARED HV	BOXES 19 & 20 of 33, 56.7 M TO 62.8 M	
	DESIGN YEW	PROJECT No	1525010
	REVIEW YEW	PHASE No	2000
	APPROVED VF	Rev	0
		FIGURE	C-35



Box 21 of 33: 62.8 m to 65.8 m



Box 22 of 33: 65.8 m to 68.9 m

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CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-05 BOXES 21 & 22 of 33, 62.8 M TO 68.9 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-36





68.9 m

69.3 m

69.3 m

69.8 m

Box 23 of 33: 68.9 m to 69.8 m



69.8 m

70.9 m

70.9 m

71.9 m

Box 24 of 33: 69.8 m to 71.9 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B. C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-05
BOXES 23 & 24 of 33, 68.9 M TO 71.9 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-37





73.5 m

Box 25 of 33: 71.9 m to 75.0 m

75.0



75.0 m

Box 26 of 33: 75.0 m to 77.3 m

76.2 m

77.3 m

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CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-05
BOXES 25 & 26 of 33, 71.9 M TO 77.3 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-38





77.3 m

78.0 m

78.0 m

79.2 m

Box 27 of 33: 77.3 m to 79.2 m



79.2 m

80.3 m

80.3 m

81.4 m

Box 28 of 33: 79.2 m to 81.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B. C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-05
BOXES 27 & 28 of 33, 77.3 M TO 81.4 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-39





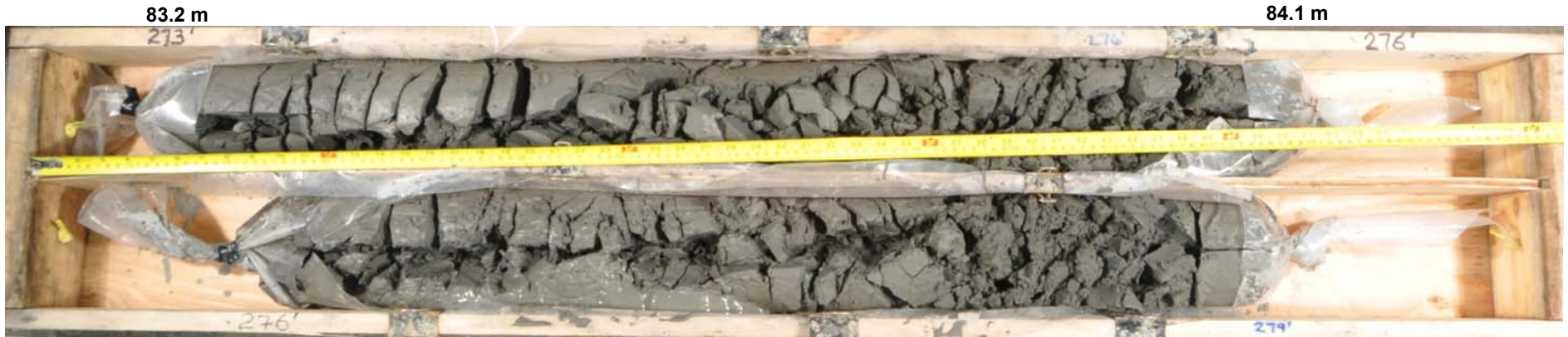
81.4 m

82.3 m

82.3 m

Box 29 of 33: 81.4 m to 83.2 m

83.2 m



83.2 m

84.1 m

84.1 m

Box 30 of 33: 83.2 m to 85.0 m

85.0 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
**SH16-05
BOXES 29 & 30 of 33, 81.4 M TO 85.0 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-40



86.1 m

Box 31 of 33: 85.0 m to 87.2 m

87.2 m




87.5 m

Box 32 of 33: 87.2 m to 89.0 m


89.0 m

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CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-05
	PREPARED	HV	BOXES 31 & 32 of 33, 85.0 M TO 89.0 M
	DESIGN	YEW	
	REVIEW	YEW	
	APPROVED	VF	
PROJECT No	1525010	PHASE No	2000
		Rev	0
		FIGURE	C-41



Box 33 of 33: 89.0 m to 90.2 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-05 BOX 33 of 33, 89.0 M TO 90.2 M
	PREPARED HV	PROJECT No	1525010
	DESIGN YEW	PHASE No	2000
	REVIEW YEW	Rev	0
	APPROVED VF	FIGURE	C-42



2.4 m

Box 1 of 33: 0 m to 4.9 m

4.9 m



6.1 m

Box 2 of 33: 4.9 m to 7.9 m

7.9 m

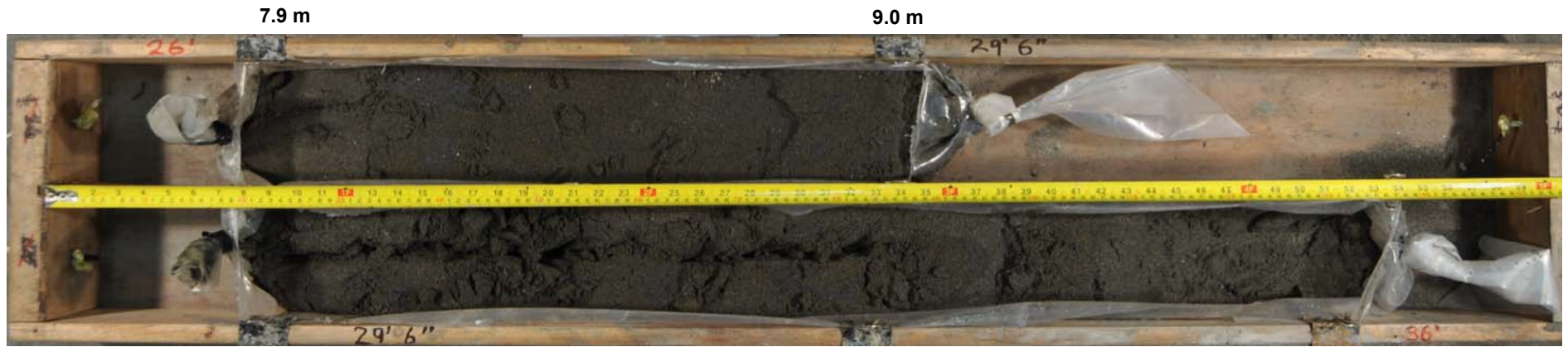
CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE	SH16-07 BOXES 1 & 2 of 33, 0 M TO 7.9 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-43





9.0 m

Box 3 of 33: 7.9 m to 11.0 m

11.0 m



11.6 m

Box 4 of 33: 11.0 m to 14.0 m

14.0 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
**SH16-07
BOXES 3 & 4 of 33, 7.9 M TO 14.0 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-44



15.1 m

Box 5 of 33: 14.0 m to 17.1 m

17.1 m



18.6 m

Box 6 of 33: 17.1 m to 20.1 m

20.1 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-07
	PREPARED HV	BOXES 5 & 6 of 33, 14.0 M TO 20.1 M	
	DESIGN YEW	PROJECT No	1525010
	REVIEW YEW	PHASE No	2000
	APPROVED VF	Rev	0
		FIGURE	C-45



20.1 m

21.6 m

21.6 m

23.2 m

Box 7 of 33: 20.1 m to 23.2 m



23.2 m

23.9 m

23.9 m

26.2 m

Box 8 of 33: 23.2 m to 26.2 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-07
BOXES 7 & 8 of 33, 20.1 M TO 26.2 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-46





26.2 m

27.7 m

27.7 m

Box 9 of 33: 26.2 m to 29.3 m

29.3 m



29.3 m

31.1 m

31.3 m

Box 10 of 33: 29.3 m to 32.3 m

32.3 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT
Golder Associates

YYYY-MM-DD	2018-01-23
PREPARED	HV
DESIGN	YEW
REVIEW	YEW
APPROVED	VF

TITLE
**SH16-07
BOXES 9 & 10 of 33, 26.2 M to 32.3 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-47



34.0 m

Box 11 of 33: 32.3 m to 35.4 m

35.4 m



36.1 m

Box 12 of 33: 35.4 m to 38.4 m

38.4 m

CLIENT
CDM SMITH CANADA ULC

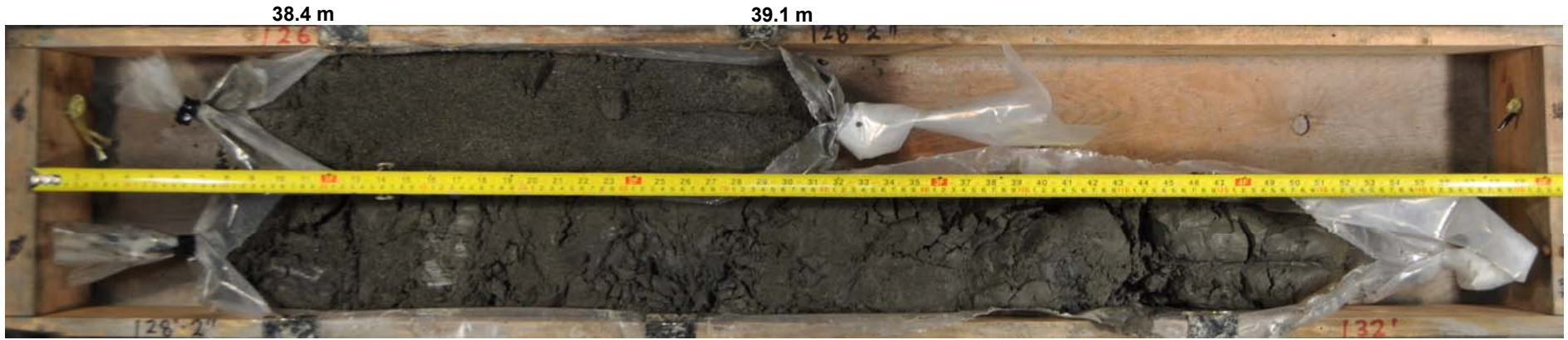
PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
**SH16-07
BOXES 11 & 12 of 33, 32.3 M TO 38.4 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-48





39.1 m

Box 13 of 33: 38.4 m to 40.2 m

40.2 m



41.5 m

Box 14 of 33: 40.2 m to 42.7 m

42.7 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
**SH16-07
BOXES 13 & 14 of 33, 38.4 M TO 42.7 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-49





44.5 m

Box 15 of 33: 42.7 m to 45.7 m

45.7 m



46.8 m

Box 16 of 33: 45.7 m to 47.5 m

47.5 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT
Golder Associates

YYYY-MM-DD	2018-01-23
PREPARED	HV
DESIGN	YEW
REVIEW	YEW
APPROVED	VF

TITLE
SH16-07
BOXES 15 & 16 of 33, 42.7 M TO 47.5 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-50




Box 17 of 33: 47.5 m to 50.6 m



Box 18 of 33: 50.6 m to 53.6 m

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CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-07
	PREPARED HV	BOXES 17 & 18 of 33, 47.5 M TO 53.6 M	
	DESIGN YEW		
	REVIEW YEW		
	APPROVED VF		
PROJECT No 1525010	PHASE No 2000	Rev 0	FIGURE C-51



55.2 m **Box 19 of 33: 53.6 m to 56.7 m** 56.7 m



58.2 m **Box 20 of 33: 56.7 m to 59.7 m** 59.7 m

CLIENT CDM SMITH CANADA ULC		PROJECT ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.	
CONSULTANT	YYYY-MM-DD 2018-01-23	TITLE	SH16-07
	PREPARED HV	BOXES 19 & 20 of 33, 53.6 M TO 59.7 M	
	DESIGN YEW		
	REVIEW YEW		
	APPROVED VF		
PROJECT No 1525010	PHASE No 2000	Rev 0	FIGURE C-52



61.0 m

59.7 m

61.0 m

Box 21 of 33: 59.7 m to 62.8 m

62.8 m



63.7 m

62.8 m

63.7 m

Box 22 of 33: 62.8 m to 64.6 m

64.6 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
**SH16-07
BOXES 21 & 22 of 33, 59.7 M TO 64.6 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-53





65.8 m

Box 23 of 33: 64.6 m to 67.1 m

67.1 m



68.3 m

Box 24 of 33: 67.1 m to 68.9 m

68.9 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT
Golder Associates

YYYY-MM-DD	2018-01-23
PREPARED	HV
DESIGN	YEW
REVIEW	YEW
APPROVED	VF

TITLE
SH16-07
BOXES 23 & 24 of 33, 64.6 M TO 68.9 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-54



70.7 m **Box 25 of 33: 68.9 m to 71.9 m** 71.9 m



71.9 m **Box 26 of 33: 71.9 m to 75.0 m** 73.6 m 75.0 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT
YYYY-MM-DD 2018-01-23
PREPARED HV
DESIGN YEW
REVIEW YEW
APPROVED VF

TITLE
SH16-07
BOXES 25 & 26 of 33, 68.9 M TO 75.0 M

PROJECT No 1525010 PHASE No 2000 Rev 0 FIGURE C-55





75.9 m

Box 27 of 33: 75.0 m to 77.1 m

77.1 m



78.0 m

Box 28 of 33: 77.1 m to 79.1 m

79.1 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE	SH16-07 BOXES 27 & 28 of 33, 75.0 M TO 79.1 M		
PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-56



80.2 m

Box 29 of 33: 79.1 m to 81.1 m

81.1 m



82.1 m

Box 30 of 33: 81.1 m to 82.9 m

82.9 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-07
BOXES 29 & 30 of 33, 79.1 M TO 82.9 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-57



84.1 m

Box 31 of 33: 82.9 m to 85.6 m

85.6 m



87.2 m

Box 32 of 33: 85.6 m to 88.4 m

88.4 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL
DELTA, B. C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF

TITLE
SH16-07
BOXES 31 & 32 of 33, 82.9 M TO 88.4 M

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-58



89.3 m

Box 33 of 33: 88.4 m to 90.2 m

90.2 m

CLIENT
CDM SMITH CANADA ULC

PROJECT
ANNACIS ISLAND WWTP TRANSIENT MITIGATION AND OUTFALL DELTA, B.C.

CONSULTANT	YYYY-MM-DD	2018-01-23
	PREPARED	HV
	DESIGN	YEW
	REVIEW	YEW
	APPROVED	VF



TITLE
**SH16-07
BOX 33 of 33, 88.4 M TO 90.2 M**

PROJECT No	PHASE No	Rev	FIGURE
1525010	2000	0	C-59

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