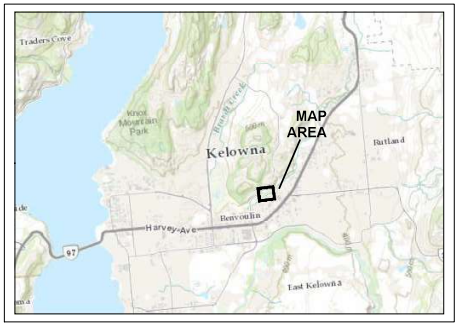
Figure 1. Mill Creek Existing Features and Habitat

Legend

- Study Area
- Intake Facility
- Existing Grizzly
- Riprap
- Exisiting Roads/Trails
- Creek
- Grass/Shrubs
- Trees
- Grass
- Non Riparian



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Meters

Map Scale = 1:1,500 (printed on 11 x 17)
Map Projection: NAD 1983 UTM Zone 11N

Data Sources

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance

Disclaimer
EDI Environmental Dynamics Inc. has made every effort to ensure this map is free of errors. Data has been derived from a variety of digital sources and, as such, EDI does not warrant the accuracy, completeness, or reliability of this map or its data.

Drawn:	Checked:	Drawing: 1.0	Date: 2021-03-14
PJ	IR		

EDI

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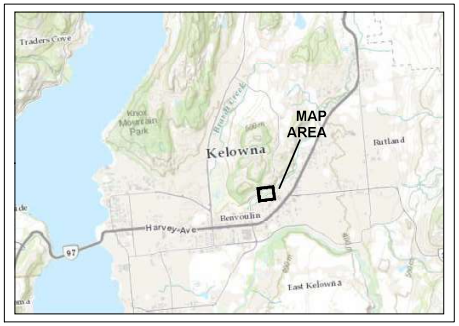
Document Path: L:\PROJECTS\2020\20\V0295_MillCreekDiversion\Mapping\Reporting\MillCreek_Fig1current_20210314.mxd

Figure 2. Mill Creek Proposed Features and Habitat

- Dike Proposed Permanent Boundary
- Dike Proposed Temporay Boundary
- Updated intake Facility
- Access
- New Aquatic
- Proposed_Grizzly
- Creek
- Riprap
- Exisiting Roads/Trails
- Grass/Shrubs
- Trees
- Grass
- Non Riparian



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Map Scale = 1:1,500 (printed on 11 x 17)
Map Projection: NAD 1983 UTM Zone 11N

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PJ	IR		

EDI

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APPENDIX B PHOTOGRAPHS

Appendix Photo 1. View (downstream) of the diversion structure.

Appendix Photo 2. View (upstream) at the lower side of the diversion structure.

Appendix Photo 3. View (upstream) from the diversion structure.

Appendix Photo 4. View (upstream) approximately 60 m upstream from the diversion structure.

Appendix Photo 5. View (upstream) of riffle habitat approximately 100 m upstream of the diversion.

Appendix Photo 6. View south (right bank to left bank) of Mill Creek diversion structure during May 2017 flood obtained from online search. Grizzly structure and walkway visible in photo centre and diversion inlet to right of center within fencing.

Appendix Photo 7. View of diversion culvert outlet at Mission Creek.

Appendix Photo 8. Downstream view of diversion outfall into Mission Creek.

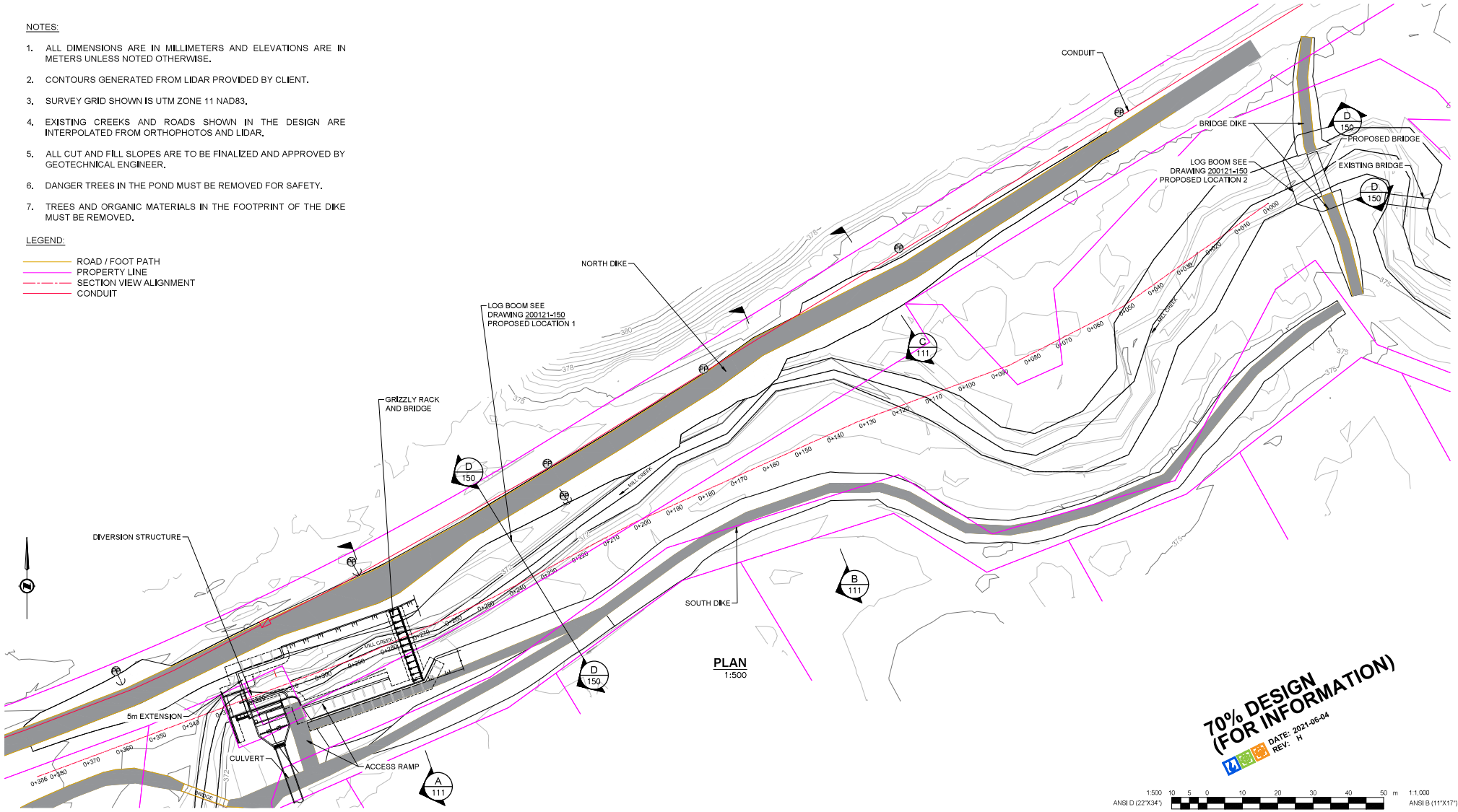
APPENDIX C DESIGN DRAWINGS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. CONTOURS GENERATED FROM LIDAR PROVIDED BY CLIENT.
3. SURVEY GRID SHOWN IS UTM ZONE 11 NAD83.
4. EXISTING CREEKS AND ROADS SHOWN IN THE DESIGN ARE INTERPOLATED FROM ORTHOPHOTOS AND LIDAR.
5. ALL CUT AND FILL SLOPES ARE TO BE FINALIZED AND APPROVED BY GEOTECHNICAL ENGINEER.
6. DANGER TREES IN THE POND MUST BE REMOVED FOR SAFETY.
7. TREES AND ORGANIC MATERIALS IN THE FOOTPRINT OF THE DIKE MUST BE REMOVED.

LEGEND:

- ROAD / FOOT PATH
- PROPERTY LINE
- SECTION VIEW ALIGNMENT
- CONDUIT



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DATE: 2021-06-04
REV: H

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Rev	Revision Description	By	Appd.	YY.MM.DD
H	ISSUED FOR INFORMATION	ZS	AT	21/06/04
G	ISSUED FOR INFORMATION	ZS	AT	21/05/05
F	ISSUED FOR INFORMATION	ZS	AT	21/03/24
E	ISSUED FOR INFORMATION	ZS	AT	21/03/17
D	ISSUED FOR INFORMATION	ZS	AT	21/02/26
C	ISSUED FOR INFORMATION	ZS	AT	21/02/23
B	ISSUED FOR INFORMATION	ZS	AT	21/02/10
A	ISSUED FOR INFORMATION	ZS	AT	21/02/01

Client: City of Kelowna

MidSea ENGINEERING LTD

Seal

Project: MILL CREEK DIVERSION HYDRAULIC IMPROVEMENTS

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
200121-100-HEAD POND DIKE OPTION2.DWG	ZS	AT	ZS	21/02/01

Title: UPSTREAM POND PLAN

Project No. 200121 Scale AS NOTED

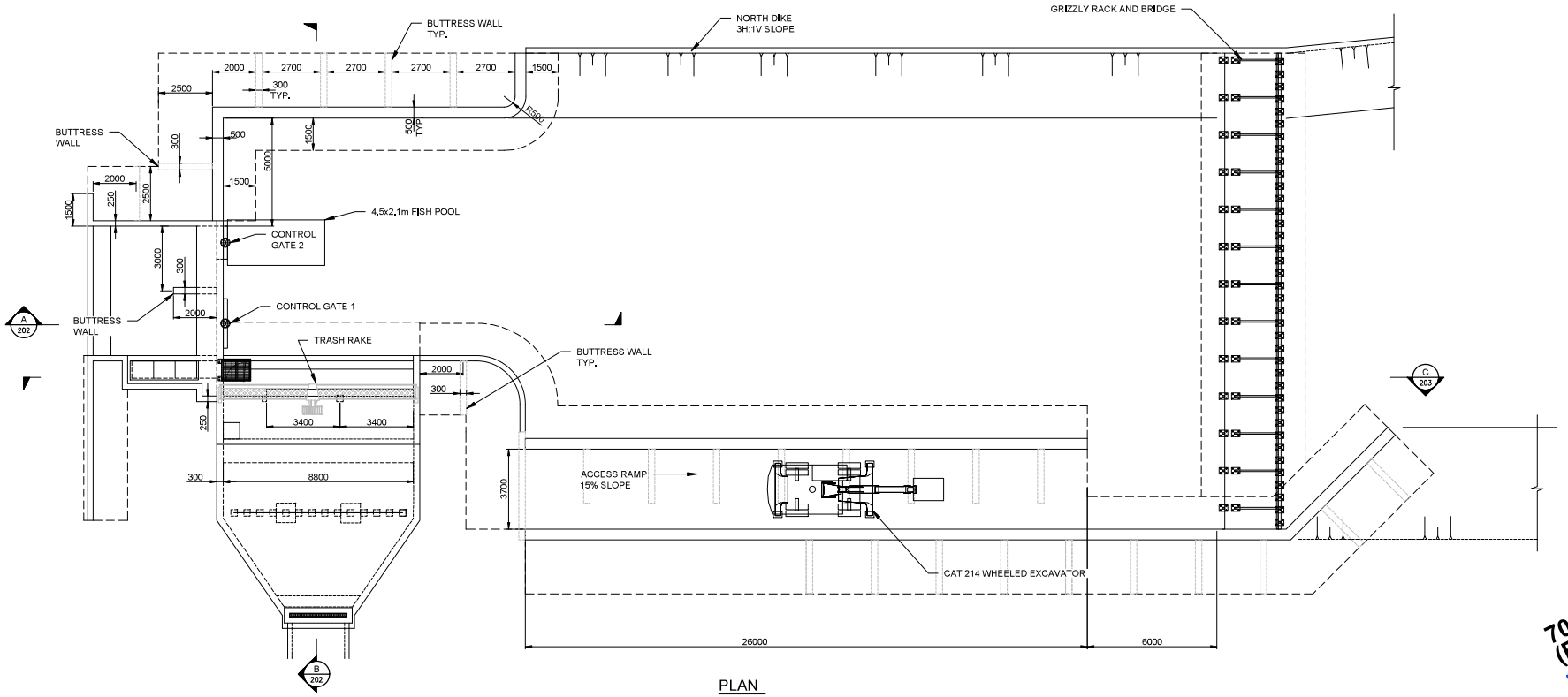
Drawing No. 110 Revision H

ONLY TO SCALE IF PRINTED ON ANSI D (22"X34") OR ANSI B (11"X17"). ALL SCALES ON THIS DRAWING ARE BASED ON ANSI D (22"X34") UNLESS NOTED OTHERWISE.

DESTROY ALL COPIES OF THIS DRAWING WITH A LOWER REV. NUMBER

NOTES:

1. CONTOURS GENERATED FROM SURVEY AND LiDAR. 0.1m MINOR CONTOURS, 0.5m MAJOR CONTOURS SHOWN.
2. EXISTING CREEKS AND ROADS SHOWN WERE PROVIDED BY SURVEY.
3. SURVEY GRID SHOWN IS UTM ZONE 11 NAD83.
4. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
5. THE ELEVATION IS ADJUSTED BASED ON SURVEY DATA USING VERTICAL DATUM CGVD13.
6. DEPTH AND TYPE OF FILL TO BE DETERMINED.



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REV: C

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Rev	Revision Description	By	Appd.	YY.MM.DD
C	FOR INFORMATION	ZS	AT	21/06/04
B	FOR INFORMATION	ZS	AT	21/03/24
A	FOR INFORMATION	ZS	AT	20/12/09

Client: City of Kelowna

MidSea ENGINEERING LTD

Seal

Project: MILL CREEK DIVERSION HYDRAULIC IMPROVEMENTS

200121-200-203 - INTAKE PROPOSED.DWG File Name: | Dwn. ZS | Chkd. AT | Dsgn. ZS | YY.MM.DD 21/02/11

Title: DIVERSION INTAKE STRUCTURE PLAN

Project No. 200121 | Scale AS NOTED

Drawing No. 201 | Revision C

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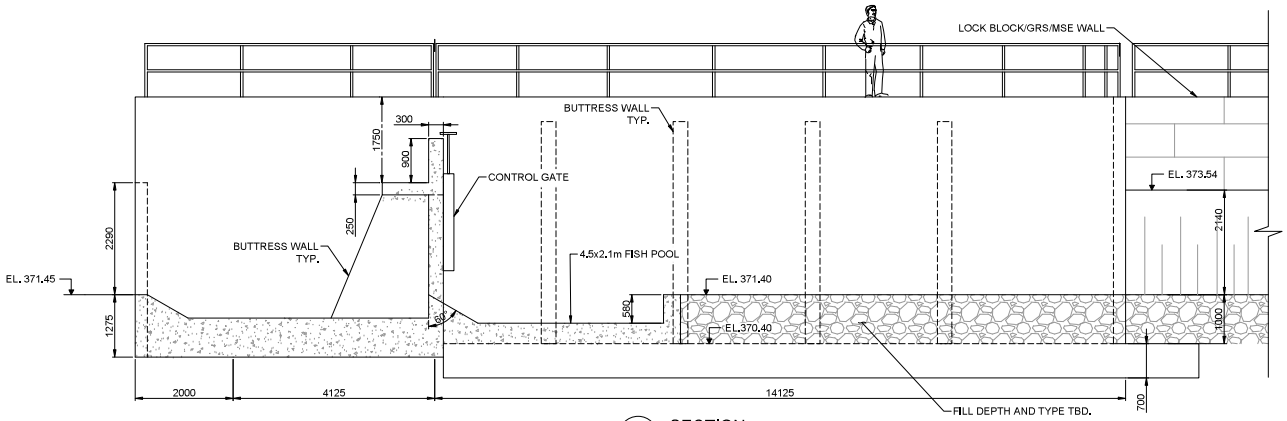
NOTES:

1. CONTOURS GENERATED FROM SURVEY AND LIDAR, 0.1m MINOR CONTOURS, 0.5m MAJOR CONTOURS SHOWN.
2. EXISTING CREEKS AND ROADS SHOWN WERE PROVIDED BY SURVEY.
3. SURVEY GRID SHOWN IS UTM ZONE 11 NAD83.
4. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
5. THE ELEVATION IS ADJUSTED BASED ON SURVEY DATA USING VERTICAL DATUM CGVD13.
6. TRASH RAKE SHOWN IS ATLAS ST9000 RAKING UNIT.



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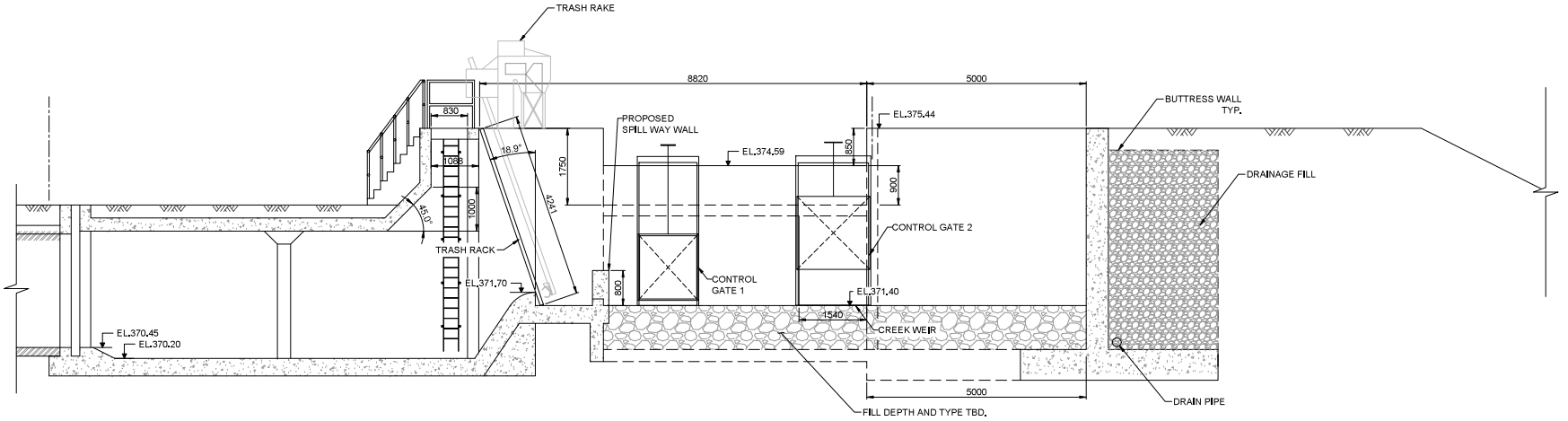

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REV: C

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Rev	Revision Description	By	Appd.	YY.MM.DD
C	FOR INFORMATION	ZS	AT	21/06/04
B	FOR INFORMATION	ZS	AT	21/03/24
A	FOR INFORMATION	ZS	AT	20/12/09

Client: City of Kelowna

MidSea ENGINEERING LTD

Seal

Project: MILL CREEK DIVERSION HYDRAULIC IMPROVEMENTS

File Name: 200121-200-203 - INTAKE PROPOSED.DWG | Dwn. ZS | Chkd. AT | Dsgn. ZS | YY.MM.DD 21/02/11

Title: DIVERSION INTAKE STRUCTURE SHEET 1 OF 2

Project No. 200121 | Scale AS NOTED

Drawing No. 202 | Revision C

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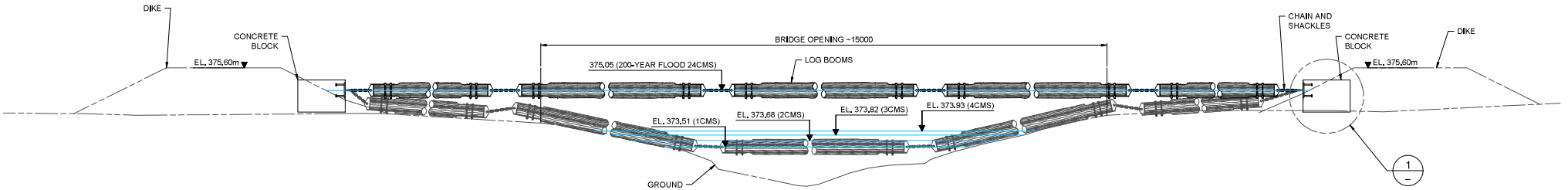

D / 110 SECTION
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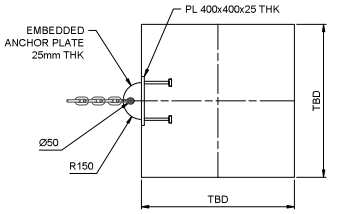
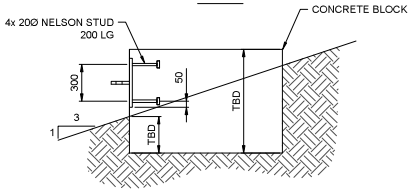


PLAN



PROFILE

1 / – DETAIL: CONCRETE ANCHOR
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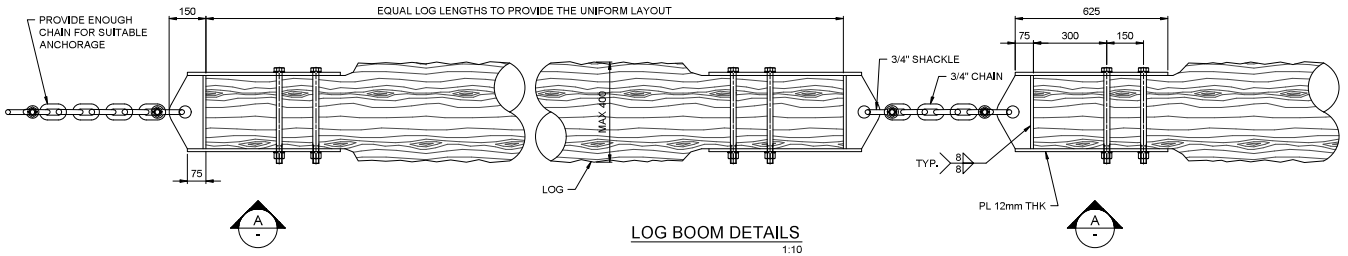

LOG BOOM DETAILS
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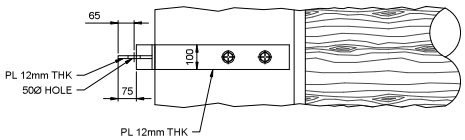

A / – VIEW
1:10

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. APPROPRIATE LOG BOOMS LENGTHS TO BE SELECTED BY CONTRACTOR TO PROVIDE THE LAYOUT SHOWN IN THE DRAWING.
3. EXISTING CREEKS AND ROADS SHOWN IN THE DESIGN ARE INTERPOLATED FROM ORTHOPHOTOS AND LIDAR.
4. ALL STEEL PARTS AND HARDWARE SHALL BE HOT-DIPPED GALVANIZED UNLESS SPECIFIED OTHERWISE.
5. LOG BOOM TO BE INSPECTED YEARLY AND REPLACED IF WORN AND DETERIORATED.
6. LOG BOOMS TO BE TAKEN OUT DURING LOW FLOW SEASON.
7. LOCATION OF THE LOG BOOM TBD.
8. WATER ELEVATIONS SHOWN IN SECTION D ARE FOR PROPOSED LOCATION 2 (CLOSE TO THE BRIDGE).

FOR INFORMATION ONLY
DATE: 2021-06-03
REV: A

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ANSI D (22"X34") ANSI B (11"X17")

Rev	Revision Description	By	Appd.	YY.MM.DD
A	ISSUED FOR INFORMATION	AM	AT	21/06/03

Client: City of Kelowna

MidSea ENGINEERING LTD

Seal

Project: MILL CREEK DIVERSION HYDRAULIC IMPROVEMENTS

200121-150-LOG BOOM.DWG | File Name: | Dwn. AM | Chkd. AT | Dsgn. AM | YY.MM.DD 21/06/03

Title: LOG BOOM DETAILS

Project No. 200121 | Scale AS SHOWN

Drawing No. 150 | Revision A

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APPENDIX D DRAFT EMP