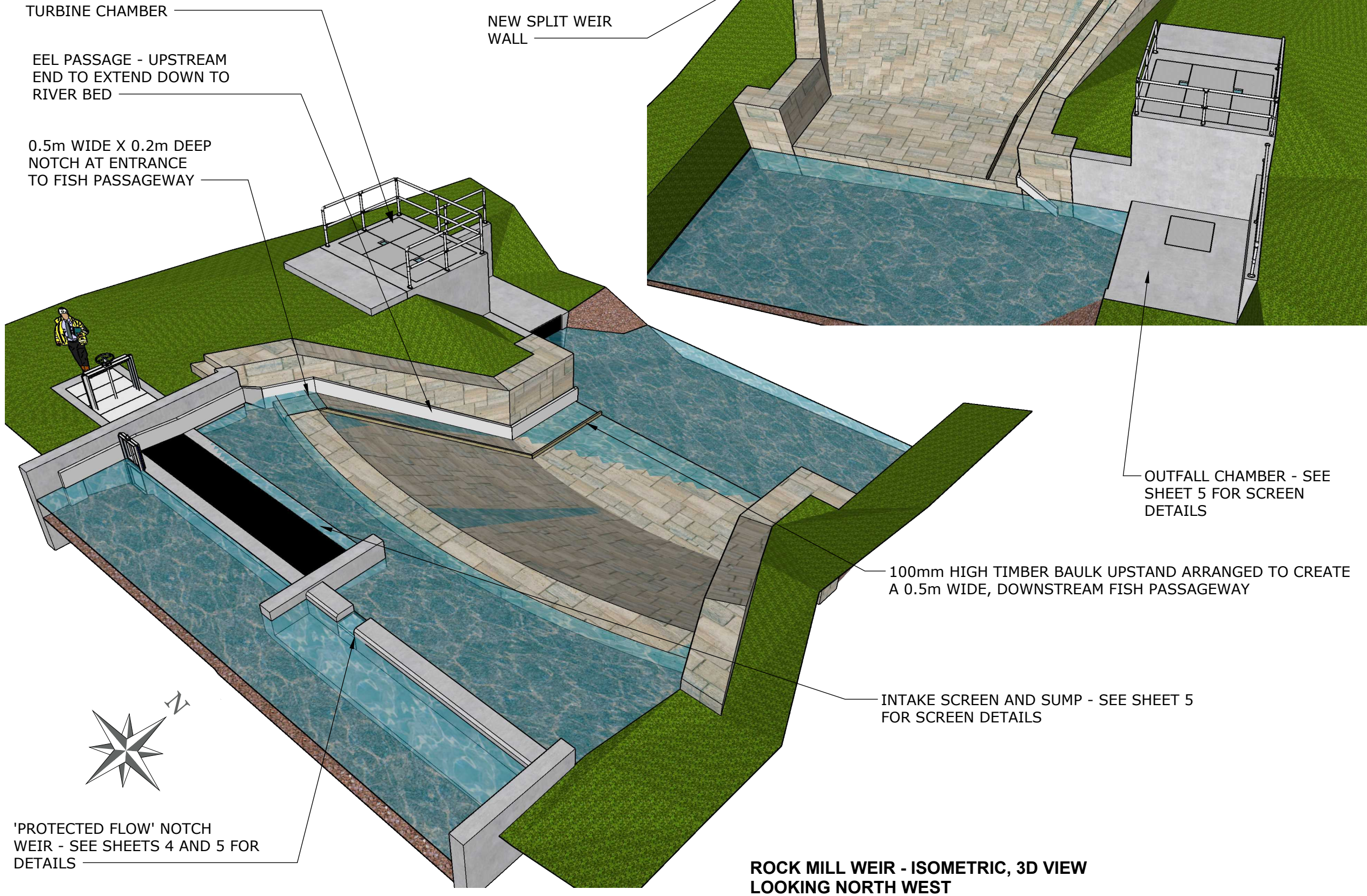


DRAWING NOTES

1. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF THE PROPOSED NEW, CIVIL WORKS. SEE CHP CONSULT DRAWING 1805-D02-A FOR DETAILS OF THE EXISTING STRUCTURE.
2. NEW WORKS COMPRISE SPLIT A WEIR WALL, INTAKE SCREEN / SUMP, BURIED TURBINE CHAMBER AND OUTFALL CHAMBER.

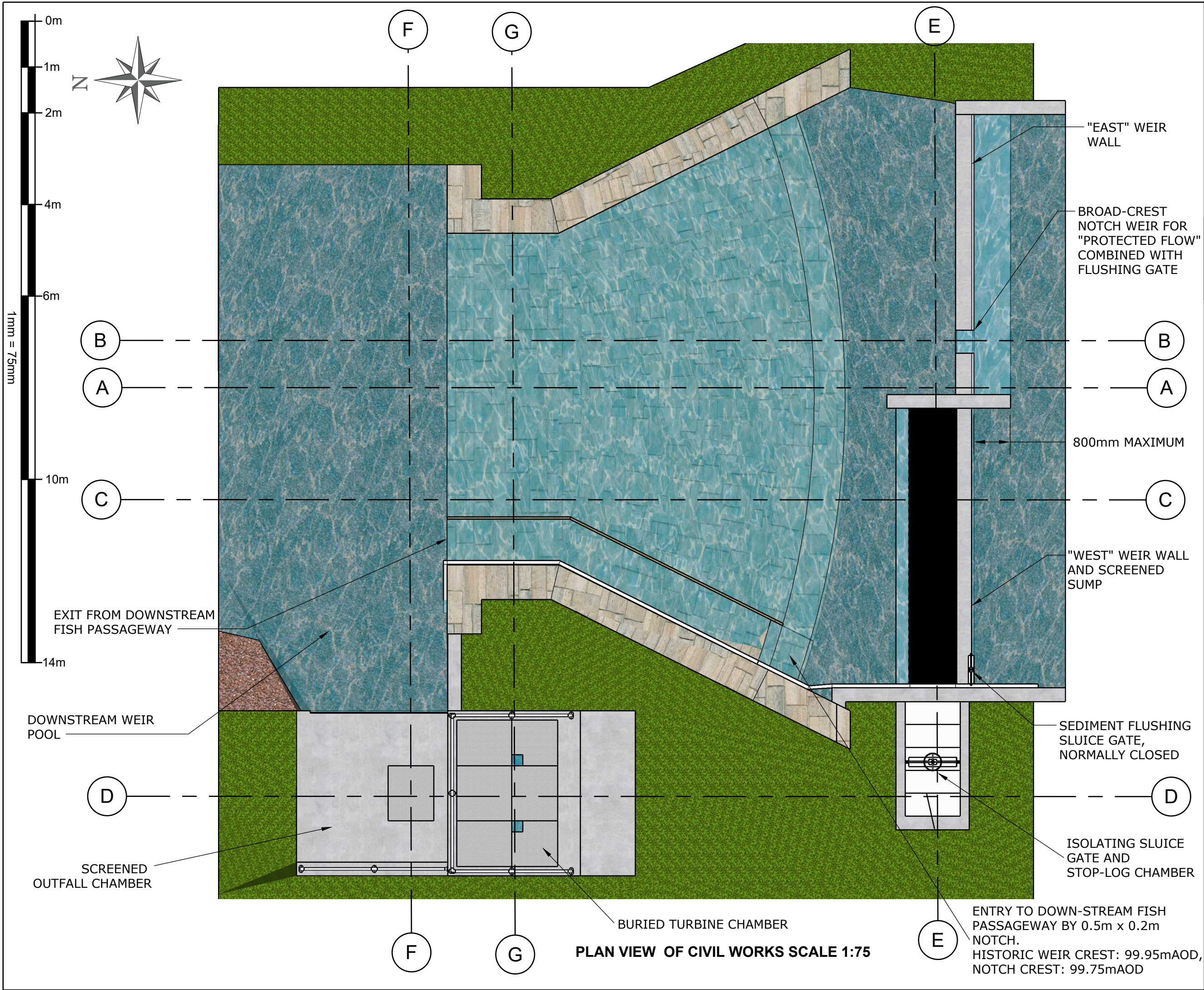


GENERAL NOTES

1. ALL DIMENSIONS ARE MILLI-METERS (mm) UNLESS OTHERWISE INDICATED.
2. ISO-METRIC VIEWS SHOULD NOT BE RELIED UPON FOR SCALE MEASUREMENTS. USE SCALED PLAN, SECTION AND ELEVATION VIEWS ON OTHER SHEETS.
3. EQUIPMENT KIOSK NOT SHOWN

FOR NRW CONSENTING

E	13 MAR 19	JVC	FINAL UPDATES AGREED ON 13 MAR 2019
D	19 FEB 19	JVC	UPDATES AGREED ON 19 FEB 2019
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PLAN VIEW OF CIVIL WORKS SCALE 1:75

GENERAL NOTES

1. ALL DIMENSIONS ARE MILLI-METERS (mm) UNLESS OTHERWISE INDICATED.
2. NEW WEIR SPECIFICATION: RE-INFORCED CONCRETE GRADE C38/35.

FOR NRW CONSENTING

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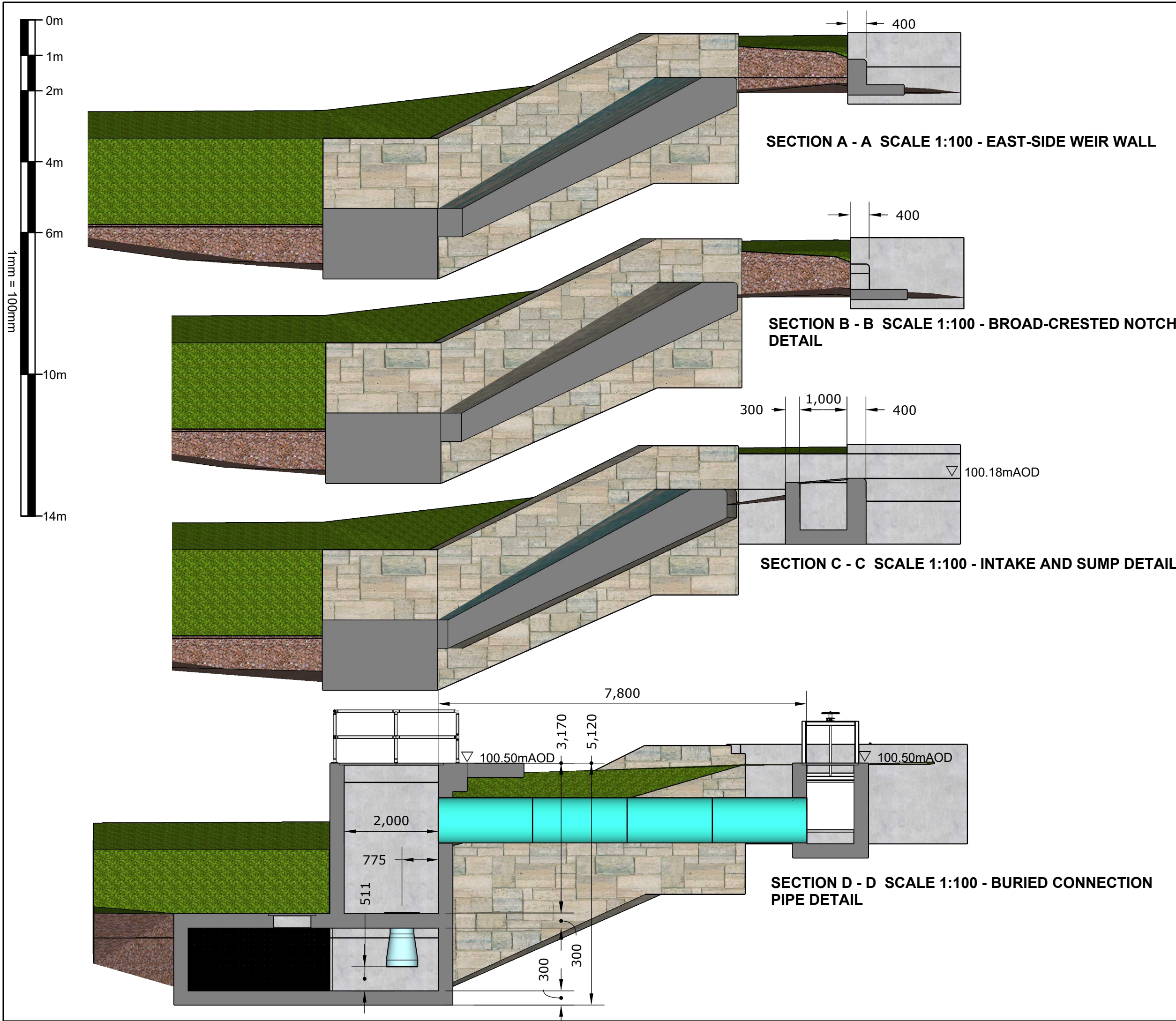
CLIENT CAMBRIAN HYDRO POWER LTD.

SITE NAME / LOCATION
ROCK MILL MHP DEVT.

PROJECT No. 1805	SCALE (at A3) AS SHOWN
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DRAWING TITLE
CIVIL WORKS G.A.

DRAWING No. 1805-D04 SHEET 2	REVISION E
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GENERAL NOTES

1. ALL DIMENSIONS ARE MILLI-METERS (mm) UNLESS OTHERWISE INDICATED.
2. CRITICAL DIMENSIONS ASTERISKED (*)

FOR NRW CONSENTING

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consult

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CLIENT CAMBRIAN HYDRO POWER LTD.

SITE NAME / LOCATION
ROCK MILL MHP DEVT.

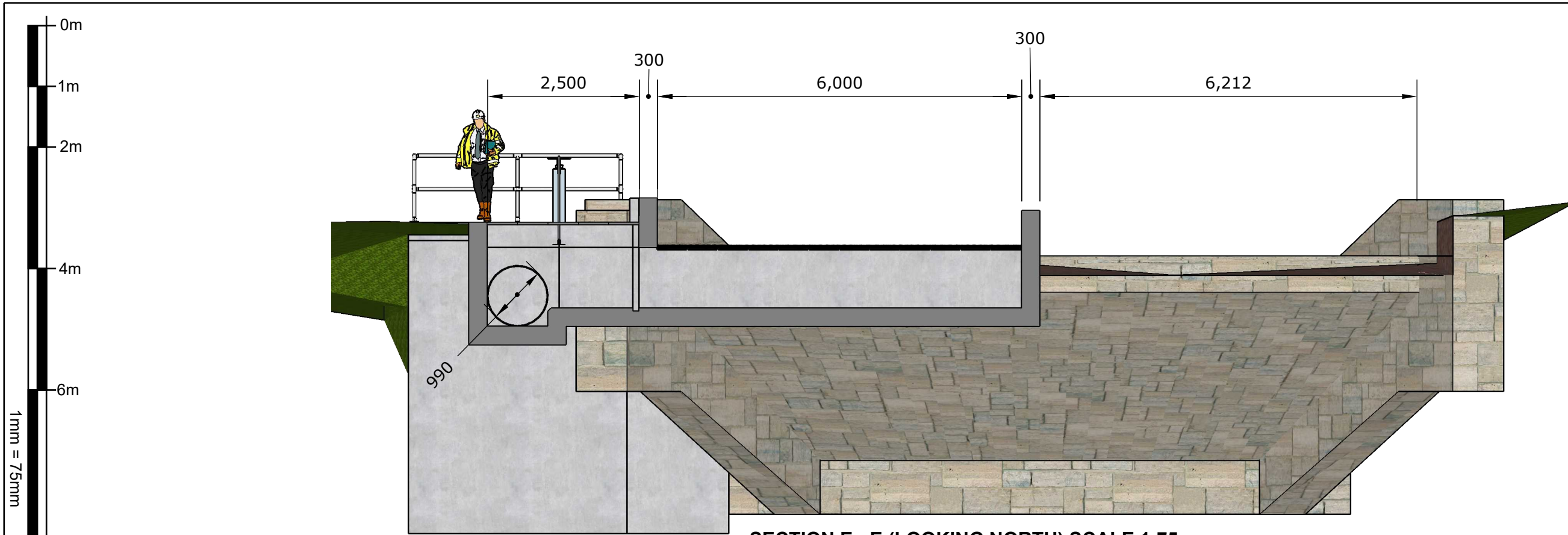
PROJECT No.
1805

SCALE (at A3)
AS SHOWN

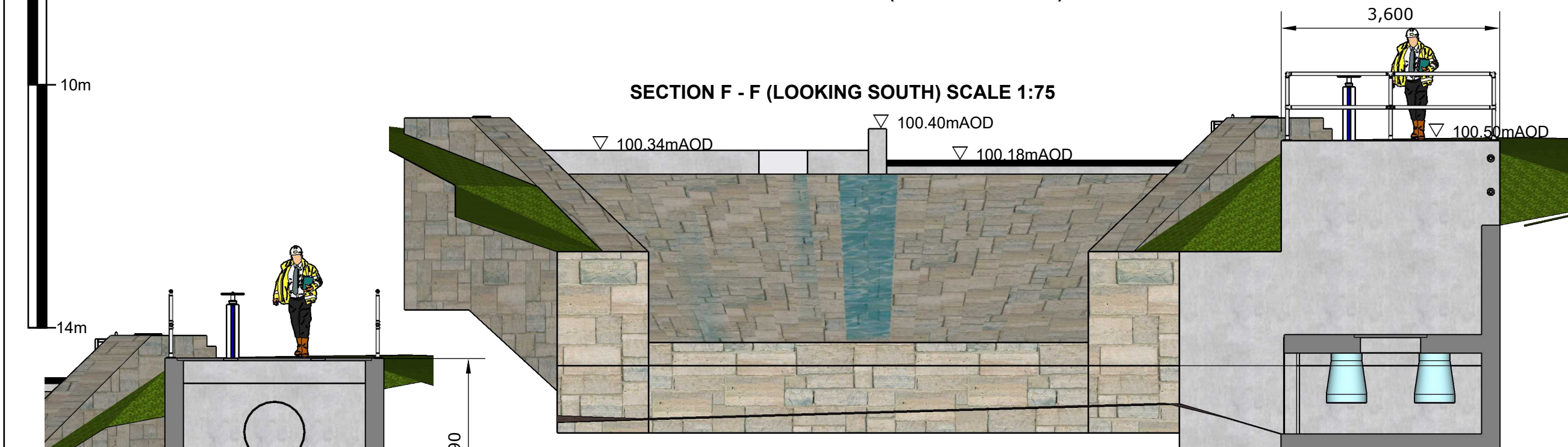
DRAWING TITLE
CIVIL WORKS G.A.

DRAWING No.
1805-D04 SHEET 3

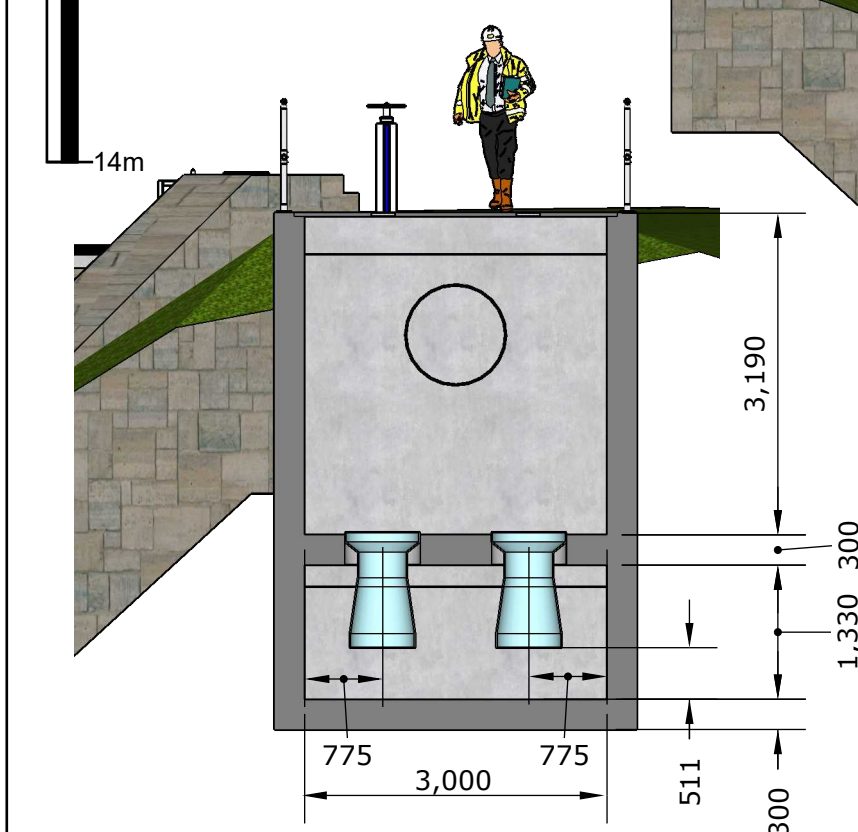
REVISION
E



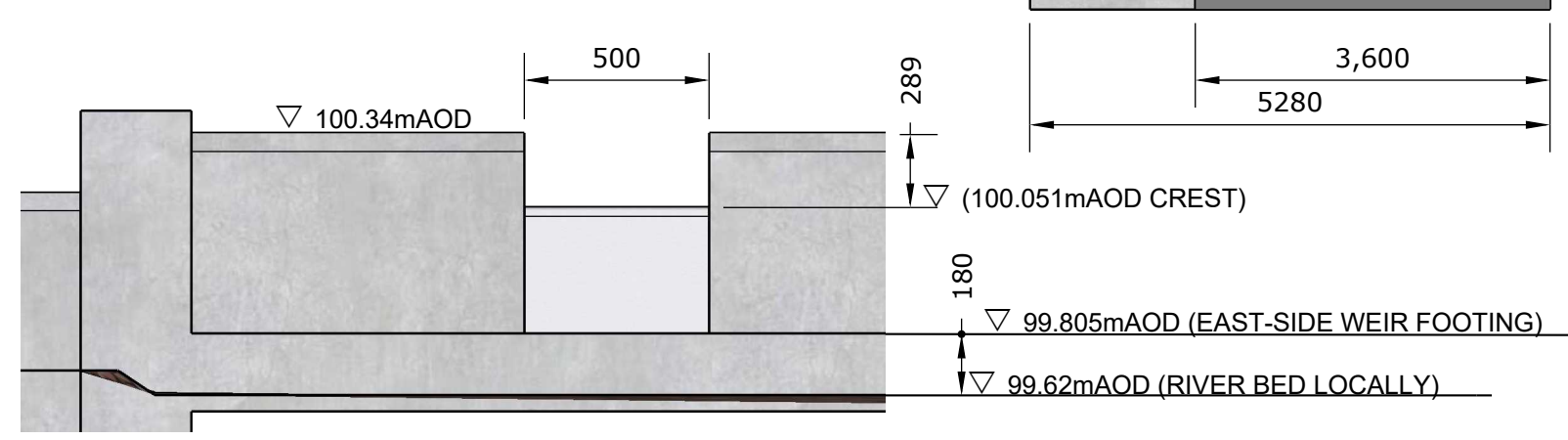
SECTION E - E (LOOKING NORTH) SCALE 1:75



SECTION F - F (LOOKING SOUTH) SCALE 1:75



SECTION G - G (LOOKING SOUTH) SCALE 1:75



'PROTECTED FLOW' BROAD-CREST NOTCH DETAIL (LOOKING NORTH) SCALE 1:20

GENERAL NOTES

1. ALL DIMENSIONS ARE MILLI-METERS (mm) UNLESS OTHERWISE INDICATED.
2. CRITICAL DIMENSIONS ASTERISKED (*)

FOR NRW CONSENTING

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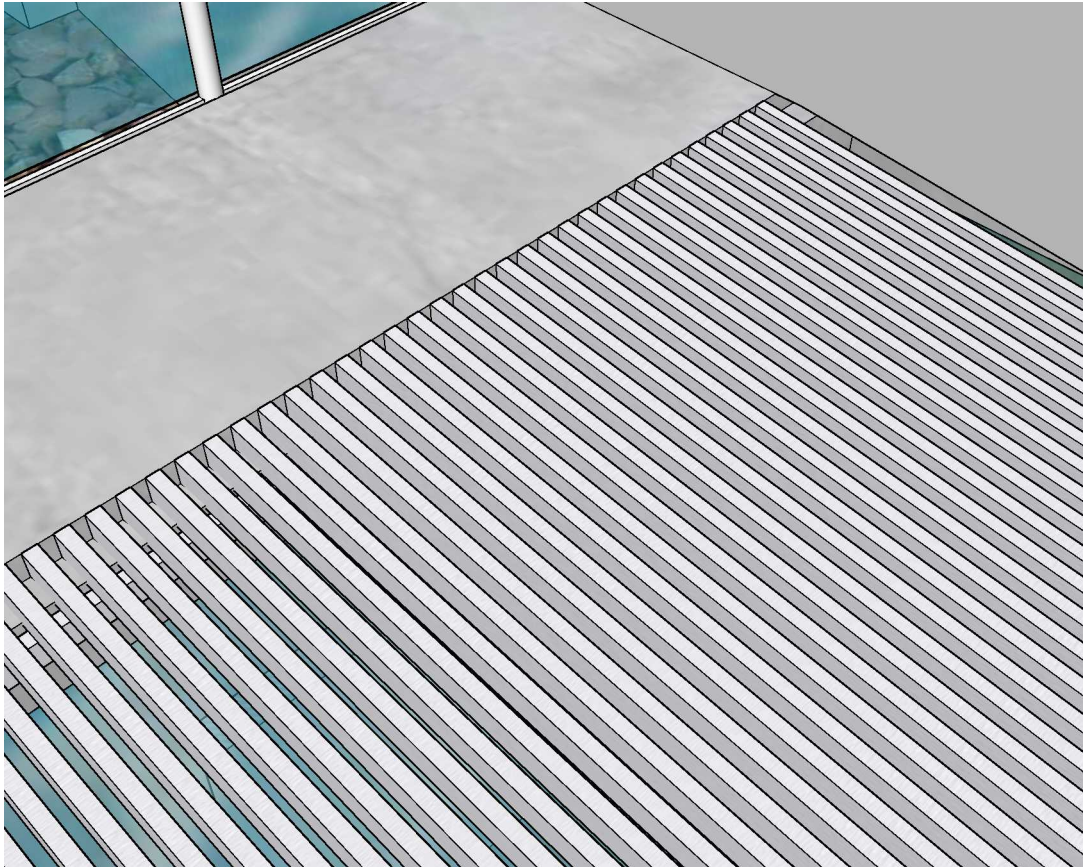
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ROCK MILL MHP DEVT.

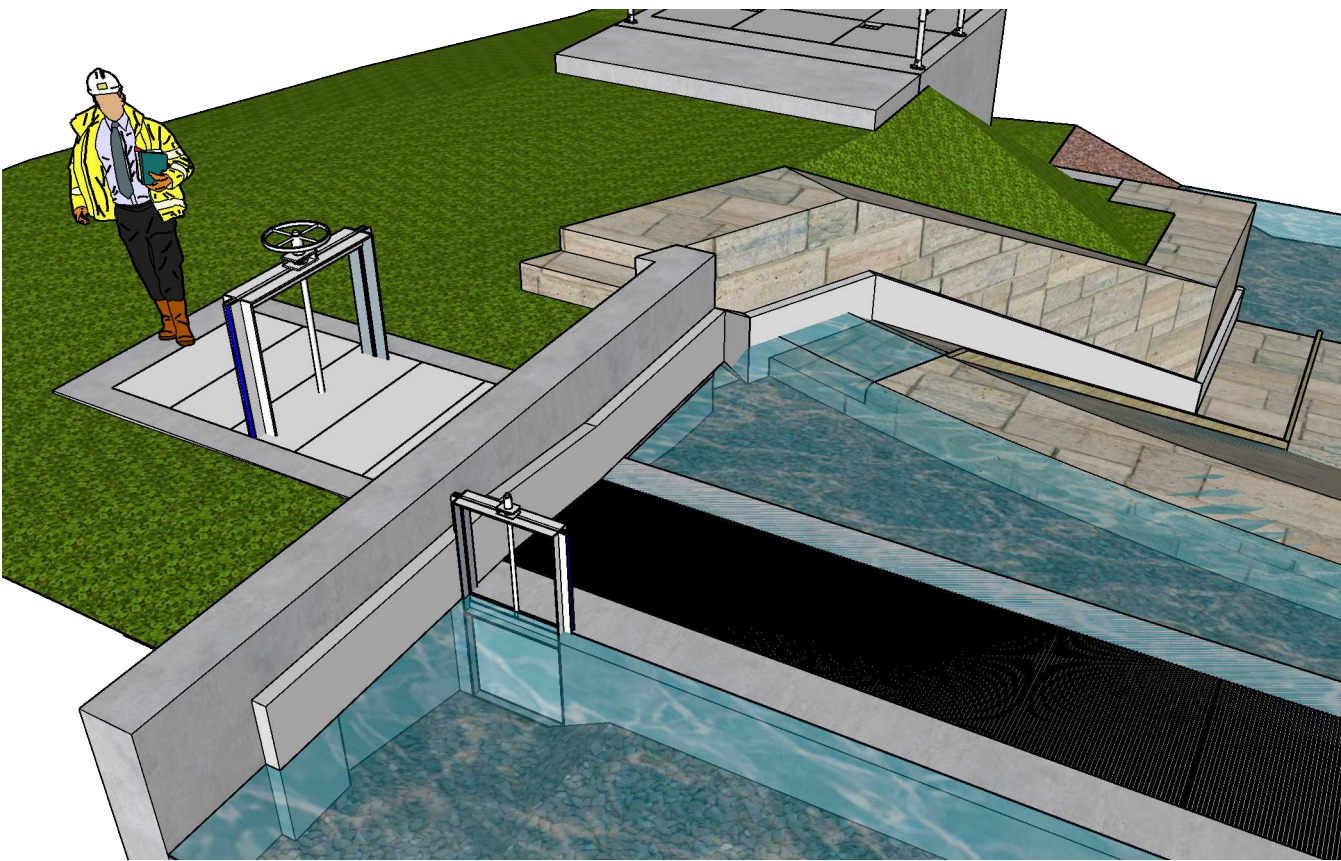
PROJECT No. 1805	SCALE (at A3) AS SHOWN
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DRAWING TITLE
CIVIL WORKS G.A.

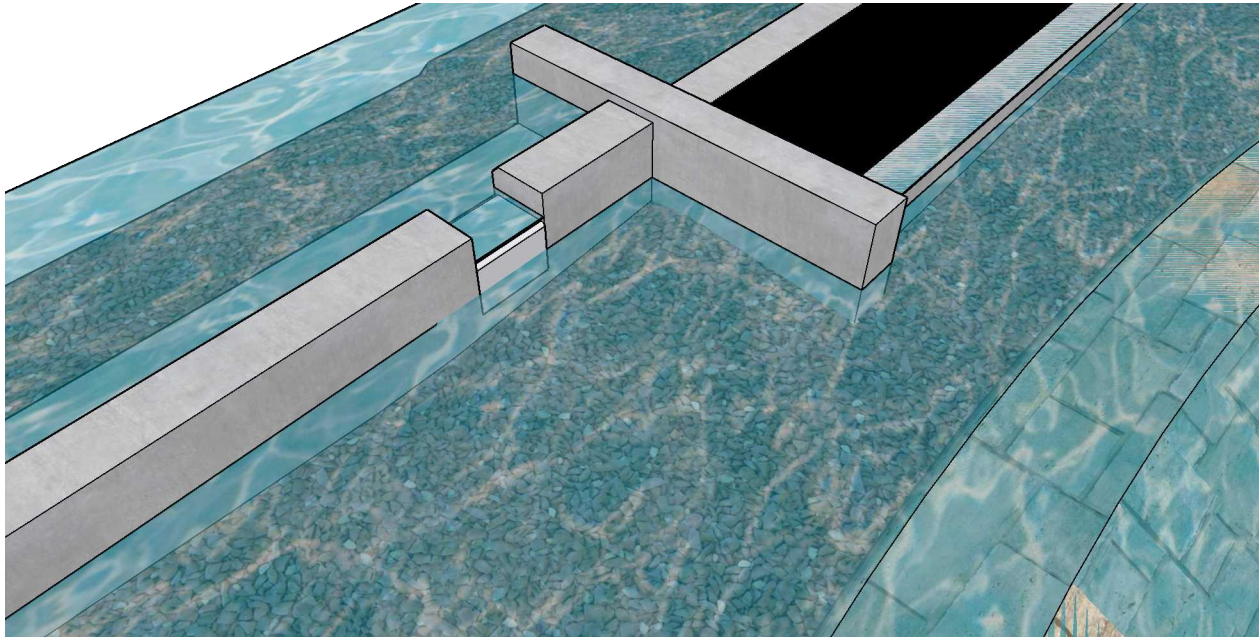
DRAWING No. 1805-D04 SHEET 4	REVISION E
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INTAKE BAR SCREEN - SEE MARGIN NOTES FOR DETAILS



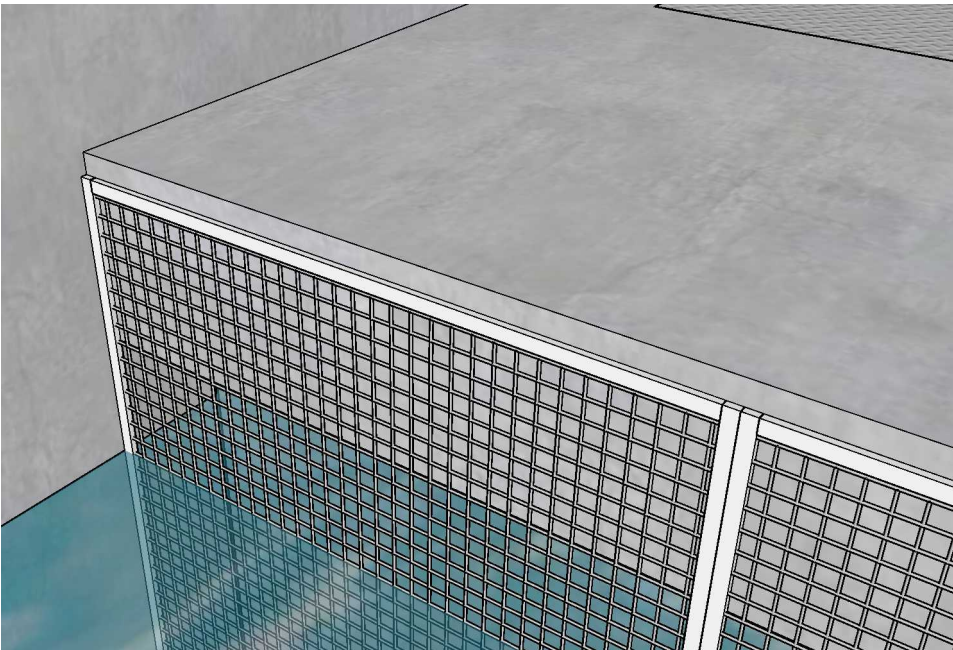
ISOLATION AND WEST-SIDE WEIR FLUSHING SLUICE GATE - SEE NOTES FOR DETAILS



'PROTECTED FLOW' RECTANGULAR NOTCH - SEE SHEET 4 FOR DETAILS AND NOTES BELOW. REMOVE BASE ENTIRELY FOR FLUSHING THE EAST-SIDE WEIR (WHEN NECESSARY)

'PROTECTED FLOW' BROAD-CREST WEIR - SPECIFICATION

NOTCH WIDTH: 500mm, NOTCH DEPTH 289mm:
ALL EDGES CHAMFERED TO PROMOTE SAFE FISH PASSAGE



OUTFALL MESH SCREEN - SEE MARGIN NOTES FOR SPECIFICATION

GENERAL NOTES

- 1. ALL DIMENSIONS ARE MILLI-METERS (mm) UNLESS OTHERWISE INDICATED.
- 2. ISO-METRIC VIEWS SHOULD NOT BE RELIED ON FOR SCALE MEASUREMENT. USE SCALED PLAN, SECTION AND ELEVATION VIEWS ON OTHER SHEETS.
- 3. INTAKE BAR SCREEN
SPECIFICATION: RECTANGULAR SECTION BARS 10MM WIDE X 20mm DEEP, BAR SPACING 10mm
OPTIONALLY (PART YEAR), 6mm WIDE X 20mm DEEP, BAR SPACING 6mm, SCREEN ANGLE 5 DEGREES.
- 4. OUTFALL SCREEN SPECIFICATION: 10mm X 10mm GALVANISED STEEL WIRE MESH

FOR NRW CONSENTING

- 5. ISOLATION SLUICE GATE
SPECIFICATION: AVK WALL PENSTOCK WITH NON-RISING STEM 1,000mm X 1,000mm, (LOCKABLE) HAND-WHEEL OPERATED. 772-000020
- 6. FLUSHING SLUICE GATE
SPECIFICATION: AVK WALL PENSTOCK WITH NON-RISING STEM 600MM X 600mm, MANUALLY OPERATED BY TEEKEY ONLY. 772-000016
- 7. EEL PASS SPECIFICATION
PANELS 1,000mm LONG COMPRISING BRISTLES WITH 20MM SPACING AND BRISTLES WITH 30MM SPACING, BRISTLE LENGTH 70mm. OVERALL PANEL THICKNESS 85MM. PANELS TO BE FIXED CONTIGUOUSLY ALONG THE WEST WING-WALLS OF BOTH THE NEW AND HISTORIC WEIRS AS SHOWN ON THIS DRAWING. UPSTREAM AND DOWNSTREAM ENDS TO TERMINATE AT RIVER BED LEVEL.

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CLIENT CAMBRIAN HYDRO POWER LTD.

SITE NAME / LOCATION
ROCK MILL MHP DEVT.

PROJECT No. 1805	SCALE (at A3) NTS
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DRAWING TITLE
CIVIL WORKS G.A.

DRAWING No. 1805-D04 SHEET 5	REVISION E
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