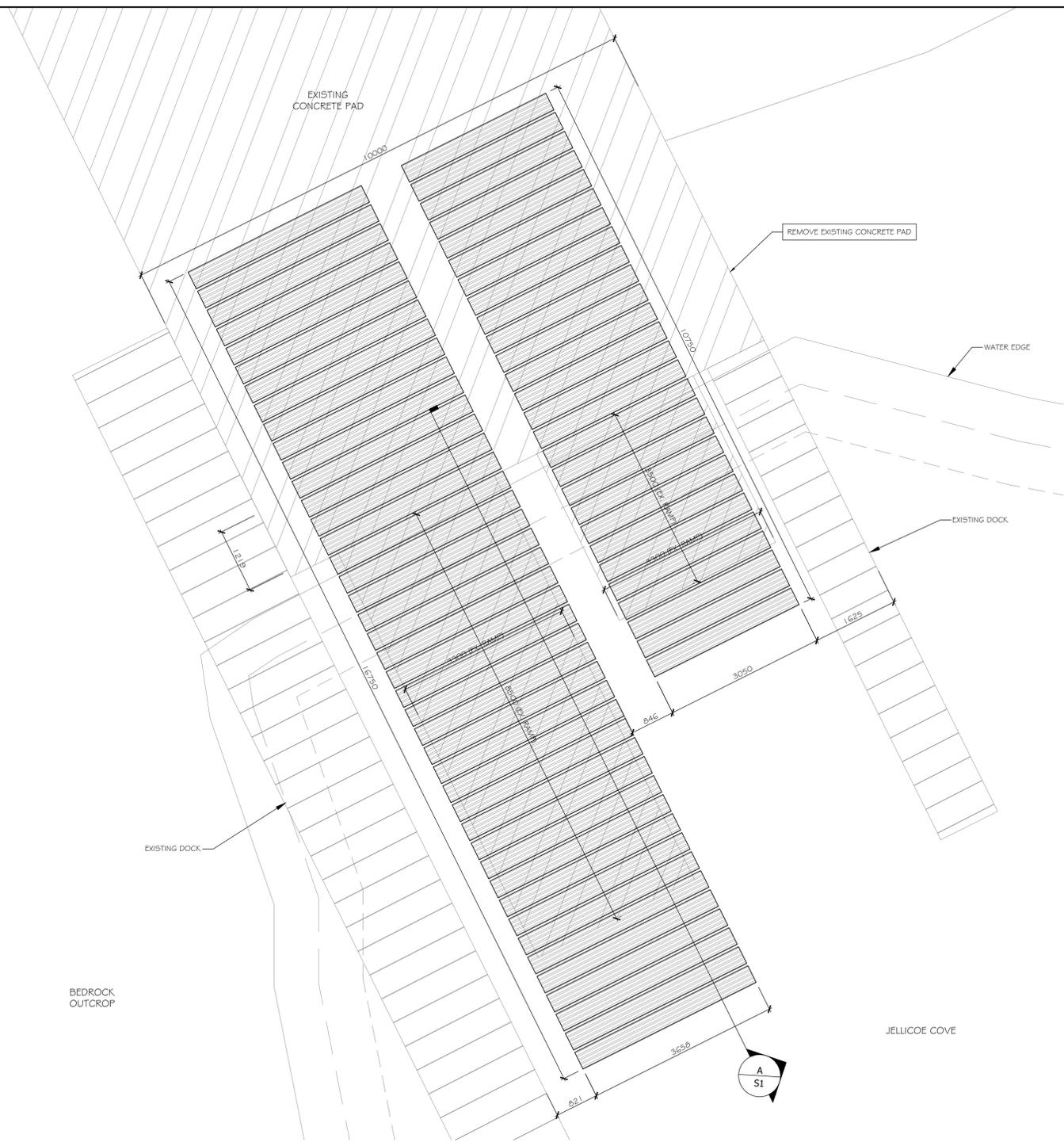


SITE PLAN

EXISTING RAMP AREA = 39.6m²
 NEW RAMP AREA = 53.8m²
 Δ = 14.2m²



PLAN VIEW
SCALE 1:50

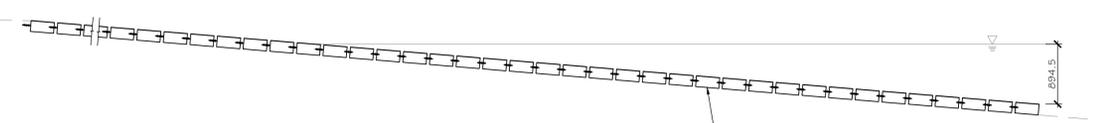
DESIGN NOTES:

CONCRETE

- ALL CONCRETE MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH CAN/CSA-A23.1-09 (R2014) AND CSA-A23.2-09 (R2014).
- REINFORCEMENT SHALL BE DEFORMED BILLETS STEEL BARS AND CONFORM TO CAN/CSA G30.5 YIELD POINT 385MPa. WIRE MESH SHALL CONFORM TO CSA G30.5 YIELD POINT 385MPa.
- FRESHLY PLACED CONCRETE TO BE CURED AND PROTECTED TO CONFORM TO CLAUSE 21 OF CSA/CAN3-A23.1-09 (R2014).
- REINFORCING STEEL SHOP DRAWINGS TO BE SUBMITTED FOR ENGINEER'S APPROVAL.
- CONCRETE EXPOSED TO WEATHER OR TO DEICER SALTS SHALL HAVE 4 TO 7% AIR ENTRAINMENT.
- CONCRETE TESTING TO CSA STANDARD A23.1 FOR ALL CONCRETE WORK AS DIRECTED BY CONSULTANT.
- MINIMUM CONCRETE COVER FOR REINFORCING BARS:
 - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....75mm
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER 20M TO 55M.....50mm
 - 15M BARS OR SMALLER.....40mm
 - FORMED SURFACE NOT EXPOSED TO EARTH OR WEATHER.....20mm
 - TIES, STIRRUPS AND SPIRALS IN BEAMS.....40mm
 - BARS 35M AND SMALLER IN WALLS AND SLABS.....25mm

CONCRETE PROPERTIES

COMPONENT	28 DAY STRENGTH	CEMENT TYPE	AGGREGATE SIZE	EXPOSURE CLASS	AIR CONTENT	SLUMP +/- 10mm	W/C RATIO	COVER TO REINF.
EXTERIOR PAVING	35 MPa	50	20mm	C-2	5-8%	80mm	.45	60mm



A RAMP SECTION
Scale: 1:50

No.	Revision	Date	Initial
1	RE-ISSUED FOR 99% REVIEW	09/20/22	EM
0	ISSUED FOR 99% REVIEW	04/27/22	EM

Notes:
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING DIMENSIONS AND EXISTING CONDITIONS AT THE OUTSET OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER. DO NOT PROCEED WITHOUT FURTHER WRITTEN DIRECTION FROM THE ENGINEER.
 2. DRAWING SHOWS GENERAL ARRANGEMENT ONLY. DO NOT SCALE.

Approved	Approved
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TBT ENGINEERING CONSULTING GROUP

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 E-mail: info@tbte.ca

CONCRETE BOAT RAMP

Marathon Ontario

SITE PLAN
PLAN VIEW
TYPICAL SECTIONS & DETAILS

Scale: AS NOTED	Drawn By: MS Ckd. By: EM Dwg. No.: S-1	Date: April 27, 2022	Rev. 1
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