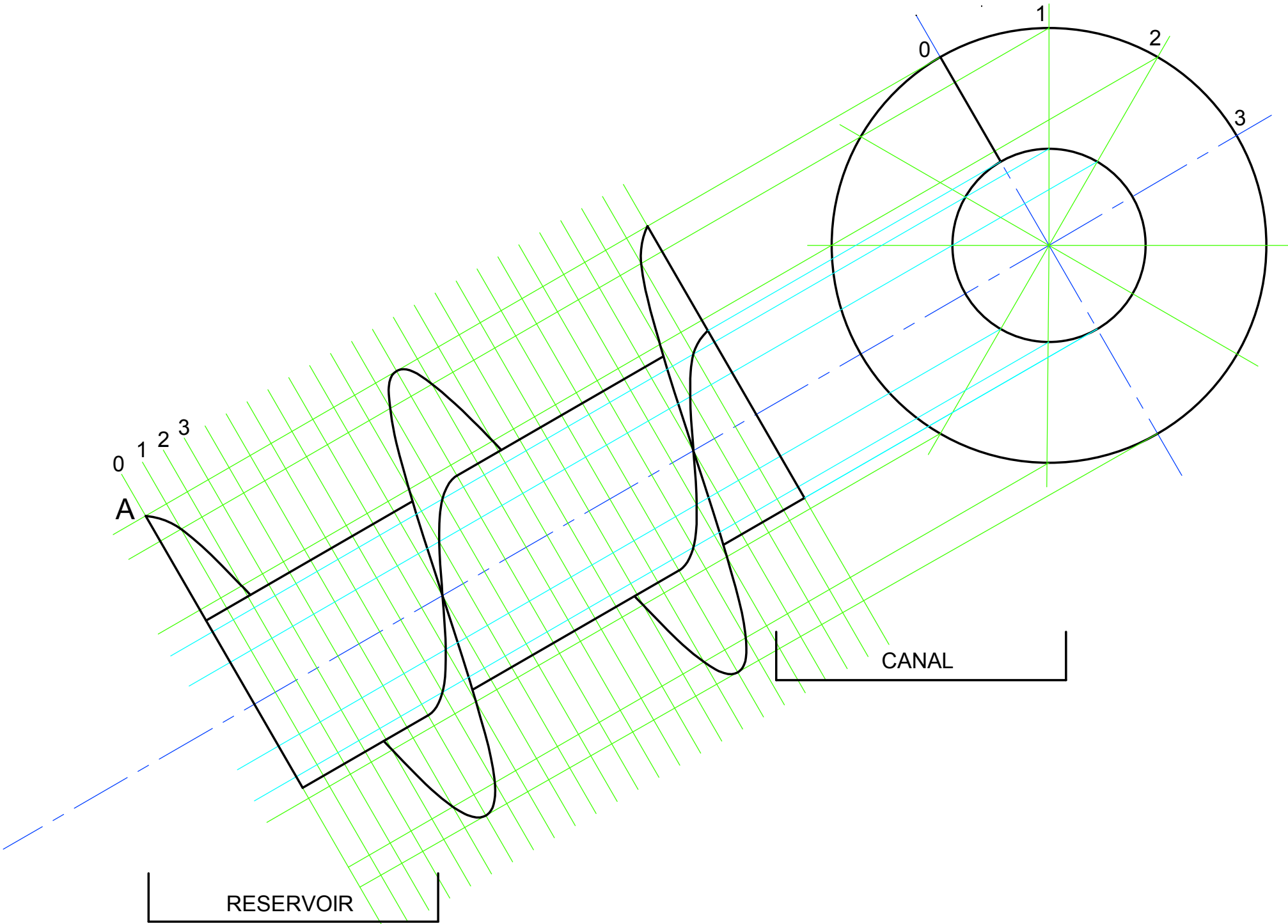


QUESTION 2a

LOCI
HELIX

Figure 1 shows some examples of the principle of an auger being used to transport water in an elevated motion. Given is the incomplete **auxiliary view** and **front view** of an **auger** that will be used to elevate water from the lower reservoir to the upper canal in a water theme park. Project and draw the auger to the following specifications:

- The helix is **left-handed**.
- The auger **starts at point A**.
- Complete **2 turns** if the pitch is **60 mm**.
- Show all **constructions**.



ASSESSMENT CRITERIA

<input checked="" type="checkbox"/>	Setup	3
<input checked="" type="checkbox"/>	Plot Points	14
<input checked="" type="checkbox"/>	Auxiliary View	1
<input checked="" type="checkbox"/>	Loci	2

SET
3

PLOT
14

AUX
1

LOC
2

20 MARKS

EXAMINATION NUMBER

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ANSWER SHEET 2a