



QUESTION 1 (a): ANALYTICAL (CIVIL)

Given:

- A table with descriptions, abbreviations and **graphic illustrations** of commonly used fixtures and fittings in civil drawings, as well as two columns for inserting required information.

**Instructions:**

Complete the table by neatly drawing the **conventions** of the required views in **freehand**, according to SABS 0143 standards, in the spaces provided. **(8)**

| DESCRIPTION<br>ABBREVIATION | GRAPHIC<br>ILLUSTRATION | SABS 0143 SYMBOL |                   |   |
|-----------------------------|-------------------------|------------------|-------------------|---|
|                             |                         | VIEW IN PLAN     | VIEW IN ELEVATION |   |
| WATER<br>CLOSET<br>(WC)     |                         |                  |                   | 2 |
| SINK<br>(S)                 |                         |                  |                   | 2 |
| BATH<br>(B)                 |                         |                  |                   | 2 |
| SHOWER<br>(S)               |                         |                  |                   | 2 |
| TOTAL                       |                         |                  |                   | 8 |

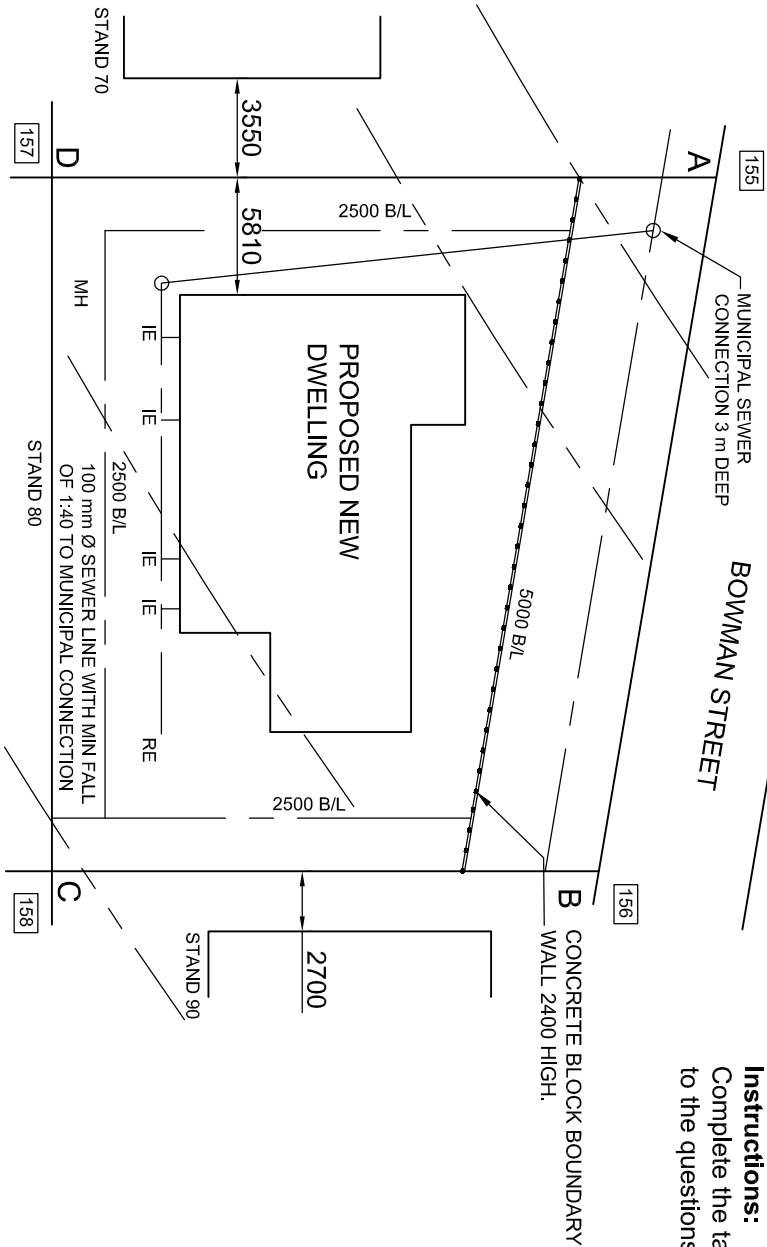
QUESTION 1 (c): ANALYTICAL (CIVIL)

Given:

A site plan and a table of questions that refer to the site plan.

**Instructions:**

Complete the table by neatly printing in the answers next to the questions. **(13)**



| SURVEYERS<br>REPORT:<br>SIDE LENGTHS |       |
|--------------------------------------|-------|
| AB                                   | 31000 |
| BC                                   | 24000 |
| CD                                   | 30000 |
| AD                                   | 28000 |

SITE PLAN  
SCALE 1:200

| QUESTIONS |   | ANSWERS |  |
|-----------|---|---------|--|
| 1         | How many complete stands are shown on the site plan?                                | 1       |  |
| 2         | What is the stand number?   | 1       |  |
| 3         | What colour must a proposed new dwelling be on a site plan?                         | 1       |  |
| 4         | What material is specified for the proposed new boundary wall?                      | 1       |  |
| 5         | What is the distance between stand 70 and stand 80 in meters?                       | 1       |  |
| 6         | What is the difference in height between the lowest and highest point on the stand? | 1       |  |
| 7         | What is the total length of the site boundary in meters?                            | 2       |  |
| 8         | How deep is the municipal sewer connection?   | 1       |  |
| 9         | What is the total area of the site in m²? Show all calculations.                    | 4       |  |
| TOTAL     |   | 13      |  |

QUESTION 1 (b): ANALYTICAL (CIVIL)

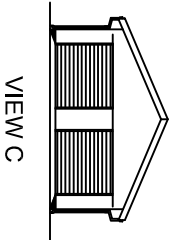
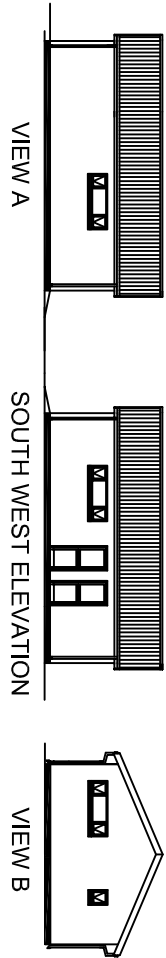
Given:

The layout drawings of an outbuilding as well as the north point.

**Instructions:**

Complete the table by naming the elevations required. **(4)**

| VIEW  | CORRECT NAME |   |  |
|-------|--------------|---|--|
| A     |              | 1 |  |
| B     |              | 1 |  |
| C     |              | 1 |  |
| D     |              | 1 |  |
| TOTAL |              | 4 |  |



TOTAL [25]

|      |  |   |
|------|--|---|
| NAME |  | 2 |
|      |  |   |
| NAME |  |   |