



CORNER HEIGHTS AND BOUNDARY LENGTHS IN METRES			
A	137,38	AB	143,56
B	134,67	BC	223,91
C	133,5	CD	143,89
D	136	DA	223,87

- SYMBOL LEGEND:**
- 25 m HIGH LAMP POSTS SPACED MAXIMUM 50 m c/c
  - EXISTING PALM TREES
  - NEW DECIDUOUS TREES



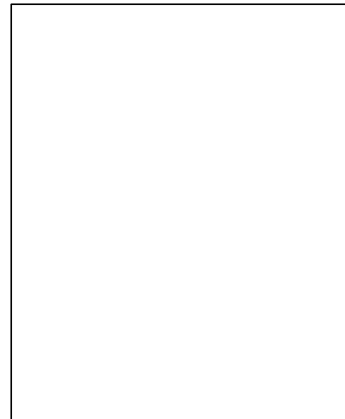
**NOTE:**  
Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies.

ARCHITECT'S SIGNATURE .....

CLIENT'S SIGNATURE .....

**ANSWER 20**

In the space below, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a WASHTUB.



REVISION	DATE	DESCRIPTION
2	2017-01-09	Security lighting
1	2017-01-07	New staff parking

**3D STUDIO ARCHITECTS**  
1024 FOREST DRIVE  
ISIPINGO  
☎ 031 555 2792

PRINTED BY: FAST PRINT  
DATE OF PRINT: 2017-01-28

DRAWING TITLE: **SITE PLAN**

PROJECT: PROPOSED NEW LOGISTICS CENTRE AND GUARD HOUSE FOR RAGE INDUSTRIES ON PLOT 7392, RIVER HORSE INDUSTRIAL PARK, 28 WILDEBEEST DRIVE, ISIPINGO

PROJECT NUMBER SSA/FS/-2015	DRAWING NUMBER LF 5-10-BPK/N		
DATE 2017-01-05	DRAWN NM	CHECKED LUKE	SCALE 1 : 1500
REFERENCE CODE V1V1-2017			



**QUESTION 1: ANALYTICAL (CIVIL)**

**Given:**

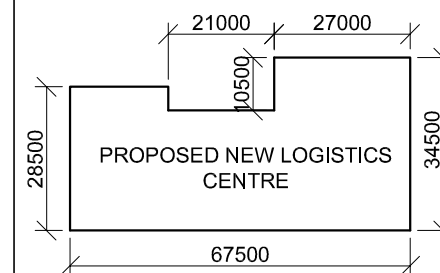
The site plan of an existing warehouse with a proposed new logistics centre and guard house, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

**Instructions:**

Complete the table below by neatly answering the questions which refer to the accompanying drawing and title panel. **[30]**

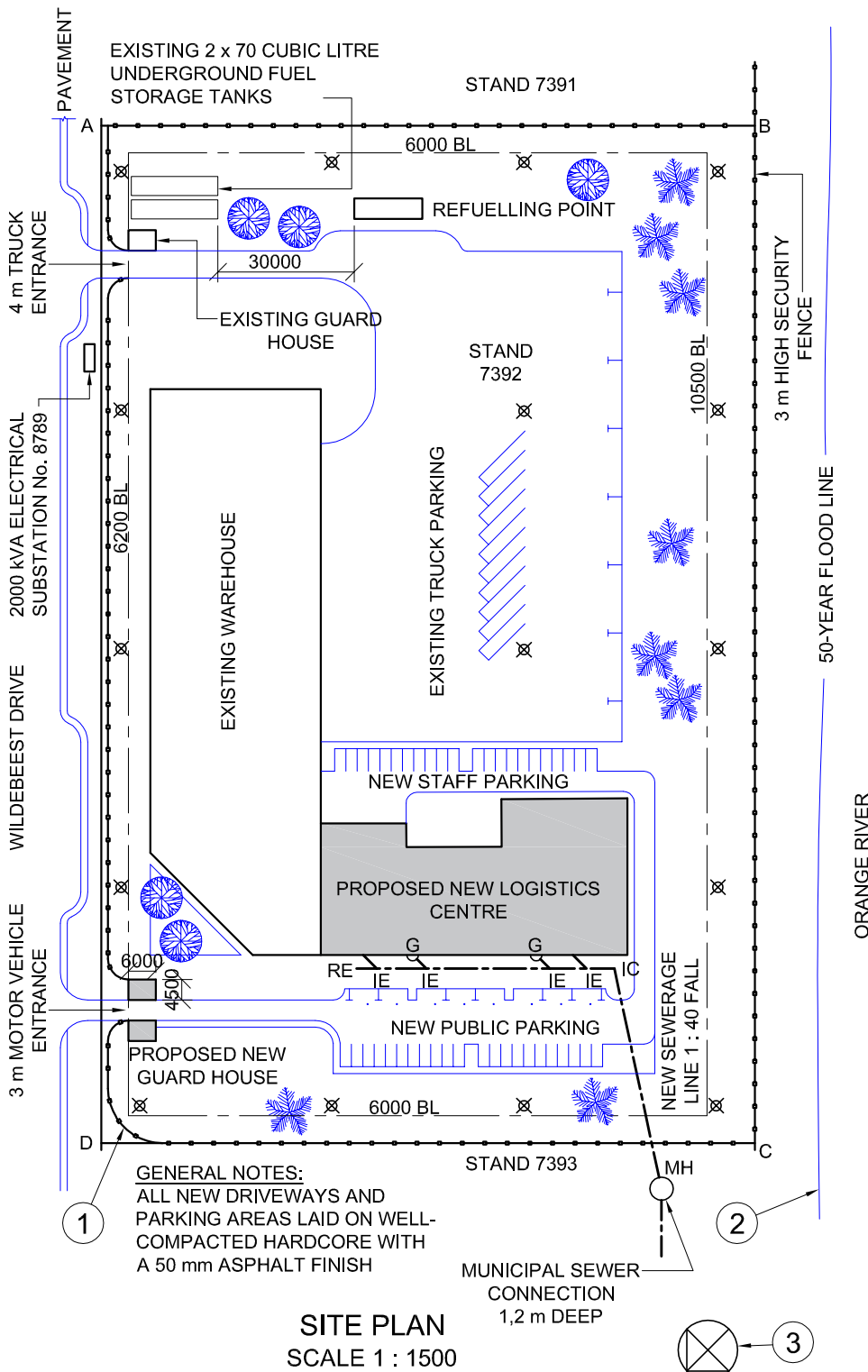
QUESTIONS		ANSWERS	
1	Who checked the drawing?	1	
2	What is the number of the stand?	1	
3	What is the number of the electrical substation?	1	
4	How far is the refuelling point from the fuel tanks in metres?	1	
5	How deep is the municipal sewerage connection?	1	
6	How many gullies are shown?	1	
7	What does the abbreviation IE stand for?	1	
8	How many palm trees are shown?	1	
9	What is the maximum permitted distance between the lamp posts in metres?	1	
10	What is the combined capacity of the underground fuel tanks in cubic litres?	2	
11	Besides the trees, what other natural feature is indicated?	1	
12	What does the line at 1 indicate?	1	
13	What does the line at 2 indicate?	1	
14	Name the feature at 3.	1	
15	In what colour must a new sewerage line be indicated on a drainage plan?	1	
16	Which elevation of the proposed new logistics centre faces the new staff parking?	2	
17	What is the distance between the boundary line and the building line on the north eastern side of the stand in metres?	2	
18	In the space below (ANSWER 18), determine the perimeter of the stand in metres.	3	
19	In the space below (ANSWER 19), determine the total area of the proposed new logistics centre in square metres.	3	
20	In the space in the title panel (ANSWER 20), draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a WASHTUB.	4	
<b>TOTAL</b>		<b>30</b>	

**ANSWER 18**  
Show ALL calculations.



**ANSWER 19**  
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	<b>2</b>



**GENERAL NOTES:**  
ALL NEW DRIVEWAYS AND PARKING AREAS LAID ON WELL-COMPACTED HARDWARE WITH A 50 mm ASPHALT FINISH

**SITE PLAN**  
SCALE 1 : 1500

MUNICIPAL SEWER CONNECTION  
1,2 m DEEP