

STAPLE

LAND SURVEYOR'S CERTIFICATE OF THE BOUNDARY LENGTHS AND CORNER HEIGHTS OF STAND 3289, SURVEYED ON 2017-08-31	
BOUNDARY LENGTHS IN MILLIMETRES	CORNER HEIGHTS IN METRES
AB = 22500	A = 1259
BC = 9850	B = 1259
CD = 26690	C = 1259
DE = 65050	D = 1259
EF = 49190	E = 1260
FA = 74900	F = 1260

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 19

In the space below, draw, in neat freehand and according to the *SANS 10143*:
a) FACE BRICK hatching
b) The graphical symbol for a GULLY

a)

b)

REVISION	DATE	DESCRIPTION

FRESH DESIGNS

51 Munnik Street
Bray
010 810 4321
fd.architects@gmail.com

PRINTED BY: I-PRINT
DATE OF PRINT: 2018-05-21

DRAWING TITLE: SITE PLAN

PROJECT: PROPOSED NEW AUTO PARTS DEALERSHIP FOR REGROW HOLDINGS ON STAND 3289, MAIN ROAD, PORT ELIZABETH.

PROJECT NUMBER: FDBS-2018
DRAWING NUMBER: 1 OF 7

DATE: 2018-04-05
DRAWN: MP
CHECKED: CIC
SCALE: 1 : 500

REFERENCE CODE: Q1P1-2018

QUESTION 1: ANALYTICAL (CIVIL)

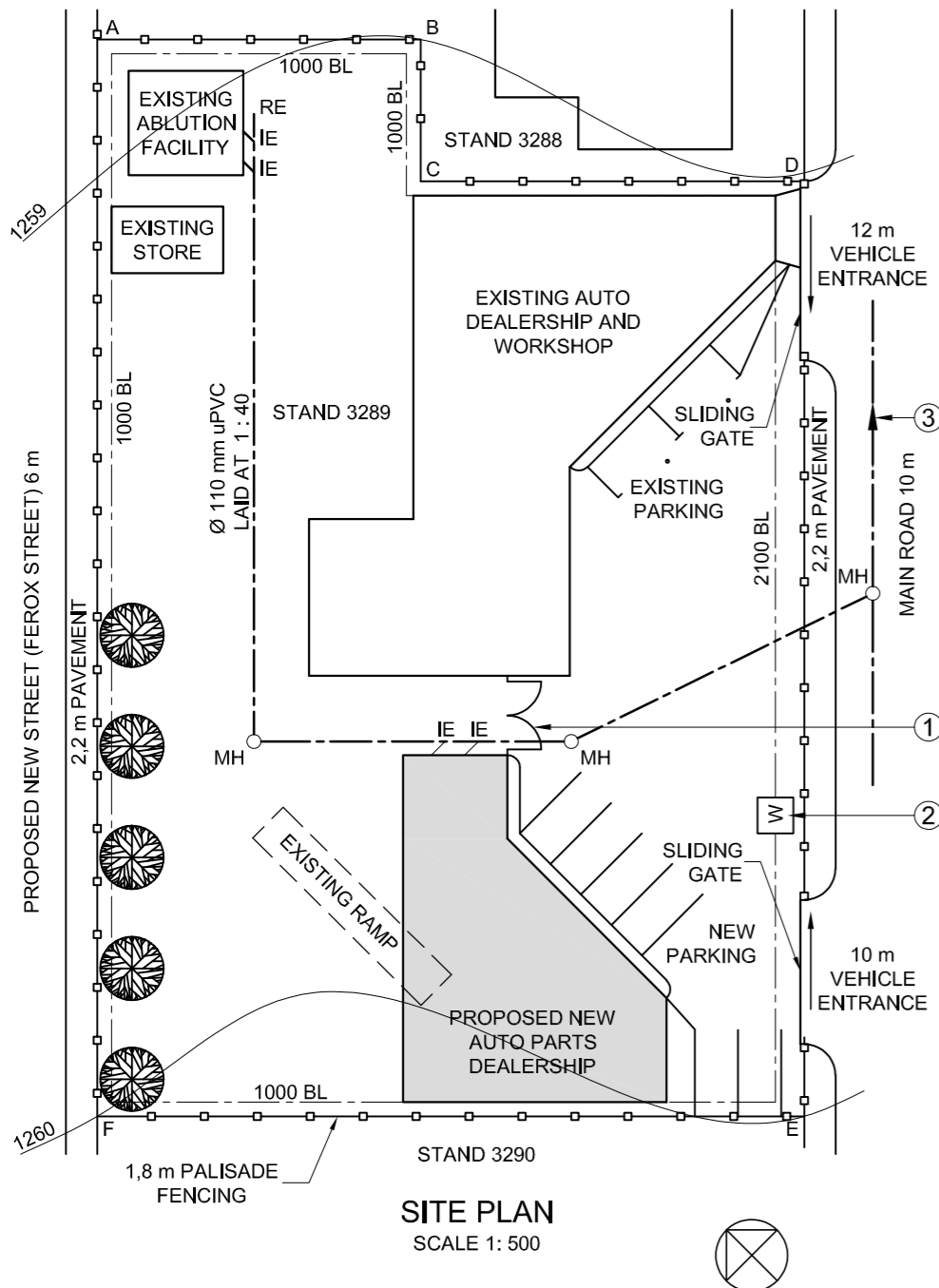
Given:

The site plan of an existing auto dealership and workshop with a proposed new auto parts dealership, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

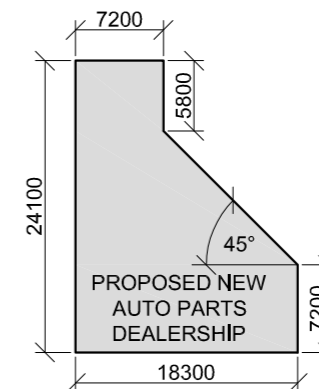
Complete the table below by neatly answering the questions, which refer to the accompanying drawing, title panel and civil content. **[30]**

QUESTIONS		ANSWERS	
1	What is the title of the drawing?	1	
2	On what date was the drawing prepared?	1	
3	What scale is indicated for the drawing?	1	
4	What is the name of the proposed new street?	1	
5	How many existing buildings are there on STAND 3289?	1	
6	How many parking bays are shown?	1	
7	What does the abbreviation RE stand for?	1	
8	How wide are the pavements in millimetres?	1	
9	What do the two arcs at 1 indicate?	1	
10	Name the feature at 2.	1	
11	How many manholes are shown?	1	
12	What type of fencing surrounds STAND 3289?	1	
13	What feature is shown on STAND 3288?	1	
14	What is the number of the STAND south west of STAND 3289?	2	
15	Why is the existing ramp shown with broken lines?	1	
16	What does the arrow on the line at 3 indicate?	1	
17	What is the fall of the sewer line?	1	
18	In what colour could new concrete be indicated on a layout drawing?	1	
19	In the space in the title panel (ANSWER 19), draw, in neat freehand and according to the <i>SANS 10143</i> a) FACE BRICK hatching, and b) the graphical symbol for a GULLY.	4	
20	In the space below (ANSWER 20), determine the total length of the fence in metres.	4	
21	In the space below (ANSWER 21), determine the total area of the proposed new auto parts building in square metres. Round off the answer to THREE decimal places.	3	
TOTAL		30	



SITE PLAN
SCALE 1 : 500

ANSWER 20
Show ALL calculations.



ANSWER 21
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



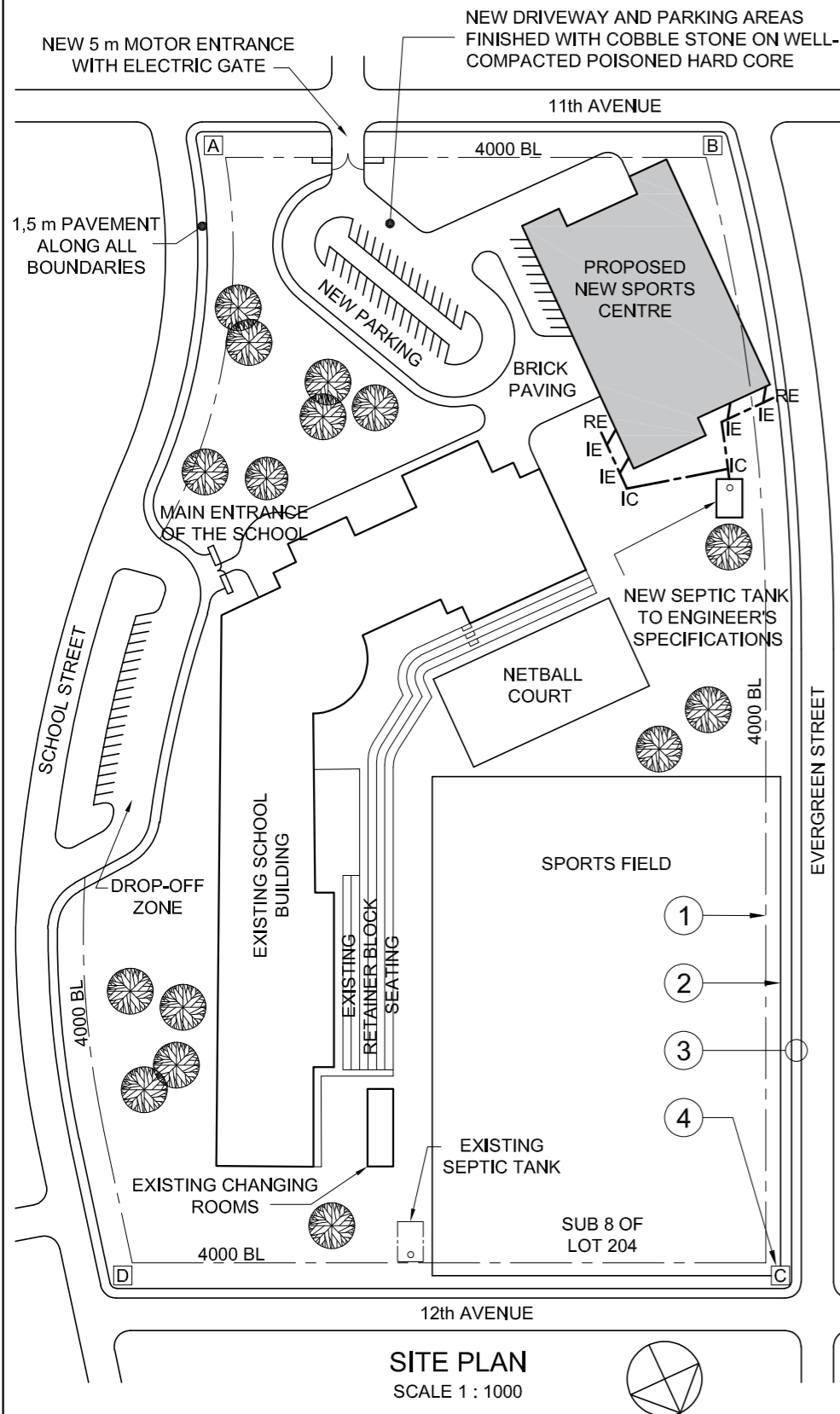


LAND SURVEYOR CERTIFICATE OF THE BOUNDARY LENGTHS AND CORNER HEIGHTS OF SUB 8 OF LOT 204, SURVEYED ON 15-03-1985	
BOUNDARY LENGTHS IN MILLIMETRES	CORNER HEIGHT IN METRES
AB = 85331	A = 287,45
BC = 180896	B = 285,34
CD = 105651	C = 285,82
DA = 181903	D = 287,66

- NOTES:
- Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies.
 - All civil work must be signed off by a qualified engineer.
 - All new finishes to match existing finishes.
 - Existing 2,3 m high steel palisade security fence must remain.

ARCHITECT'S SIGNATURE
CLIENT'S SIGNATURE

ANSWER 20
In the space below, draw, in neat freehand, the top view of the SANS 10143 graphical symbol for a DOUBLE SINK UNIT.



SITE PLAN
SCALE 1 : 1000

A	6 OCTOBER	VOEG HEKKE BY
REVISION	DATE	DESCRIPTION
KLA ARCHITECTS		
9 MAIN ROAD QUEENSTOWN 083 792 2092 kla@hotmail.com		
PRINTED BY	DATE OF PRINT	
TRUE PRINT	2017-10-17	
DRAWING TITLE		
SITE PLAN		
PROJECT		
PROPOSED NEW SPORTS CENTRE AND PARKING FOR JUNIPER HIGH SCHOOL, SUB 8 OF LOT 204, 38 SCHOOL STREET, GLENDOWER.		
PROJECT NUMBER	DRAWING NUMBER	
KLA/NFJ-2018	TH 17-05-NM/J	
DATE	DRAWN	CHECKED
2017-04-13	BENNY	SOPHIE
REFERENCE CODE		SCALE
Q1P1-J2018		1 : 1000

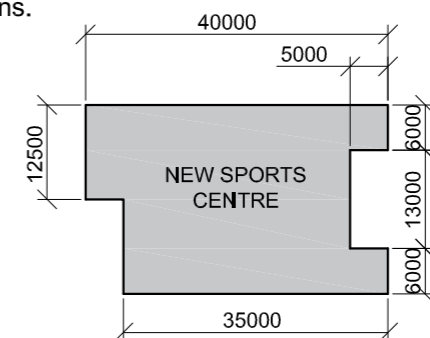
QUESTION 1: ANALYTICAL (CIVIL)

Given:
The site plan of an existing school with a proposed new sports centre and parking, 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	What scale is indicated for the drawing?	1	
2	What was Benny responsible for?	1	
3	What is the complete number of the LOT?	1	
4	How many revisions have been made to the drawing?	1	
5	What does the abbreviation IC stand for?	1	
6	How many trees are on the LOT?	1	
7	What security feature surrounds the LOT?	1	
8	What finish must be applied to the new driveway?	1	
9	What sewerage system is proposed for the new sports centre?	1	
10	Off which street is the main entrance of the school?	1	
11	What does the line at 1 indicate?	1	
12	What does the line at 2 indicate?	1	
13	What do the two lines in the circle at 3 indicate?	1	
14	What does the letter in the box at 4 represent?	1	
15	Which elevation of the proposed new sports centre faces the main entrance of the school?	2	
16	What is the length of the north eastern boundary in metres?	2	
17	With reference to the building regulations, why would this proposed site plan not be approved?	2	
18	In the space below (ANSWER 18), determine the perimeter of the proposed new sports centre in metres.	3	
19	In the space below (ANSWER 19), determine the total area of the proposed new sports centre in square metres.	3	
20	In the space provided in the title panel (ANSWER 20), draw, in neat freehand, the top view of the SANS 10143 graphical symbol for a DOUBLE SINK UNIT.	4	
TOTAL		30	

ANSWER 18: Show ALL calculations.



ANSWER 19: Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2





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



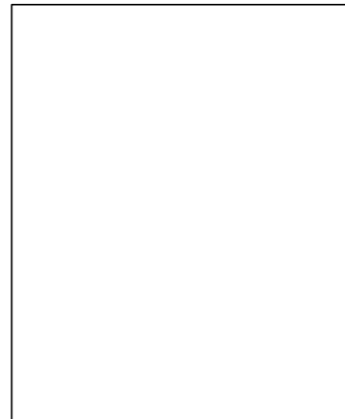
NOTE:
Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies.

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.



QUESTION 1: ANALYTICAL (CIVIL)

Given:

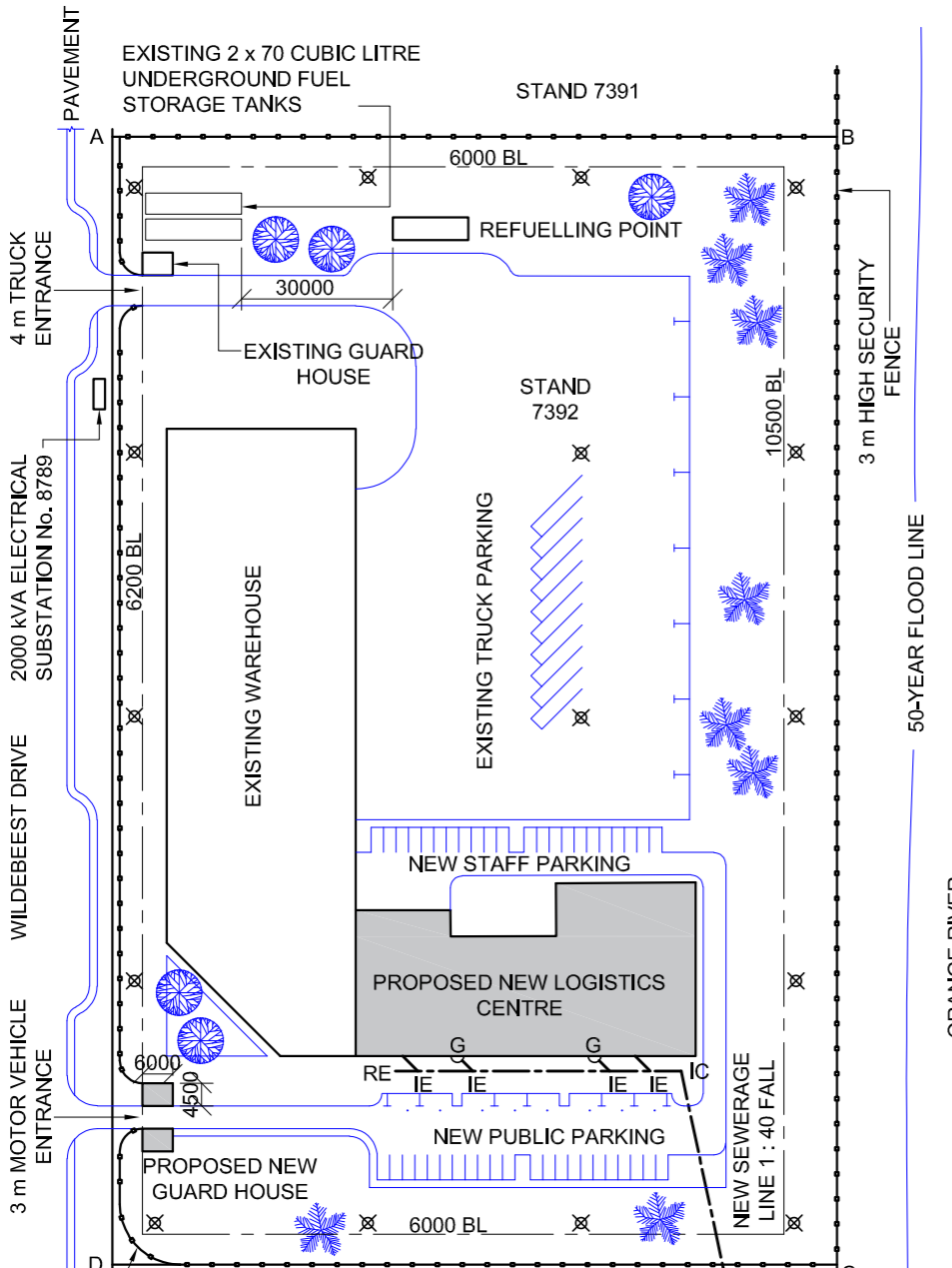
The site plan of an existing warehouse with a proposed new logistics centre and guard house, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

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	
		TOTAL	30



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

SITE PLAN
SCALE 1 : 1500

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

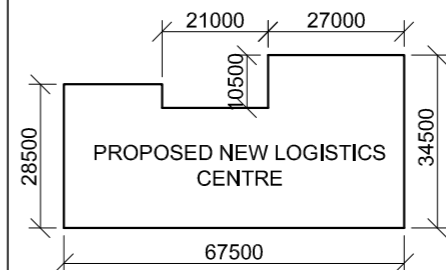
DRAWING TITLE
SITE PLAN

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

ANSWER 18
Show ALL calculations.



ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2





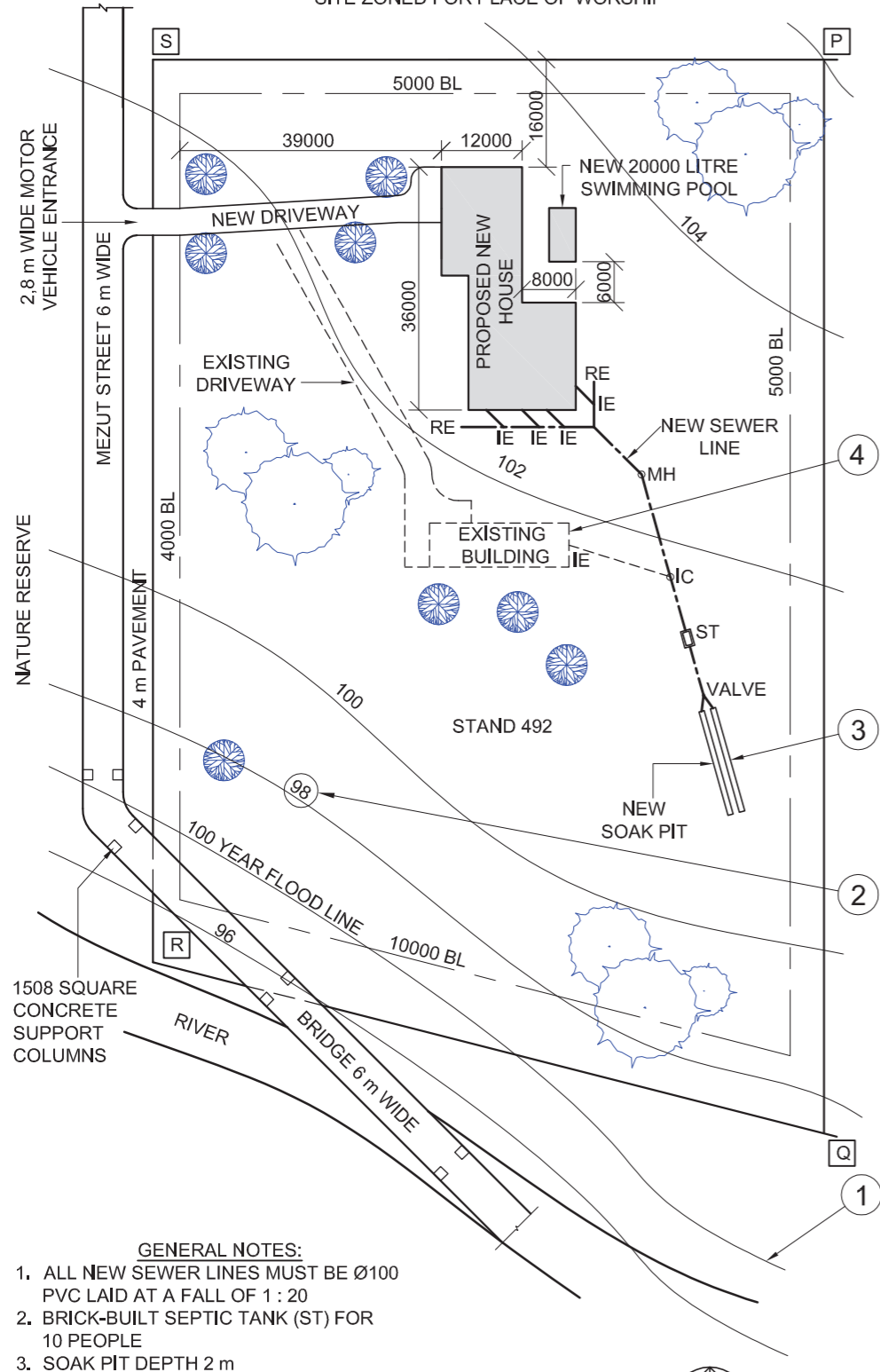
CORNER HEIGHTS AND BOUNDARY LENGTHS IN METRES			
P	-	PQ	160
Q	97,5	QR	103,2
R	95	RS	134,5
S	103,1	SP	100

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

SITE ZONED FOR PLACE OF WORSHIP



1508 SQUARE CONCRETE SUPPORT COLUMNS

- GENERAL NOTES:
- ALL NEW SEWER LINES MUST BE Ø100 PVC LAID AT A FALL OF 1 : 20
 - BRICK-BUILT SEPTIC TANK (ST) FOR 10 PEOPLE
 - SOAK PIT DEPTH 2 m
 - ALL EXISTING TREES ARE PROTECTED AND MAY NOT BE REMOVED
 - THE DRIVEWAY IS TO BE LAID ON 200 mm WELL COMPACTED HARDCORE WITH A 50 mm ASPHALT FINISH

SITE PLAN
SCALE 1 : 1000



ANSWER 20
In the space below, draw, in neat freehand, the SANS 10143 graphical symbols for the following:
a) An electricity meter
b) A grease trap

a)	
b)	

REVISION	DATE	DESCRIPTION
1	2017-05-30	Include a soak pit

YURI ARCHITECTS
25 AUGUSTA ROAD
DURBAN
4097

081 991 9692

PRINTED BY THULA PRINTERS DATE OF PRINT 2017-08-25

DRAWING TITLE

SITE PLAN

PROJECT
PROPOSED NEW DWELLING AND POOL FOR OLIVIER GEROU OF LOT 78631, 18 MEZUT STREET, HOKENHEIM, DURBAN

PROJECT NUMBER VGY/-2017 DRAWING NUMBER TD 6-11-GOU/8

DATE 2017-01-28 DRAWN LUCKY CHECKED YURISH SCALE 1 : 1000

REFERENCE CODE P1Q1-2017



QUESTION 1: ANALYTICAL (CIVIL)

Given:

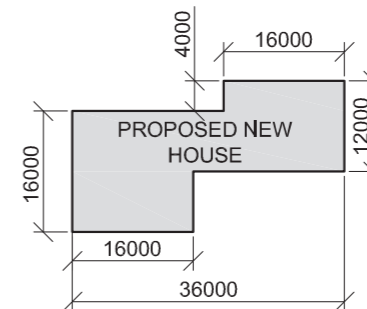
The site plan for a proposed new house and swimming pool, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

QUESTIONS		ANSWERS	
1	What type of drawing is presented?	1	
2	What architectural firm prepared the drawing?	1	
3	What is the project number?	1	
4	What is the width of the bridge in metres?	1	
5	What finish must be applied to the driveway?	1	
6	How many new inspection eyes are indicated?	1	
7	As what would trees, rivers and similar features be classified on a site plan?	1	
8	What is the shortest distance from Mezut Street to the proposed new house in metres?	1	
9	What is the fall of the new sewerage line?	1	
10	What is the land used for north of the property?	1	
11	What does the line at 1 indicate?	1	
12	What does the circled number on the line at 2 indicate?	2	
13	What is the depth of the feature at 3 in millimetres?	1	
14	What does the broken line at 4 indicate?	1	
15	What does the abbreviation ST stand for?	1	
16	Which elevation of the new house is viewed from the new driveway?	2	
17	What is the height at corner P?	2	
18	In the space below (ANSWER 18), determine the perimeter of the proposed new house in metres.	3	
19	In the space below (ANSWER 19), determine the total area of the stand in square metres.	3	
20	In the space in the title panel (ANSWER 20), draw, in neat freehand, the SANS 10143 graphical symbols for the following: a) An electricity meter b) A grease trap	4	
TOTAL		30	

ANSWER 18
Show ALL calculations.

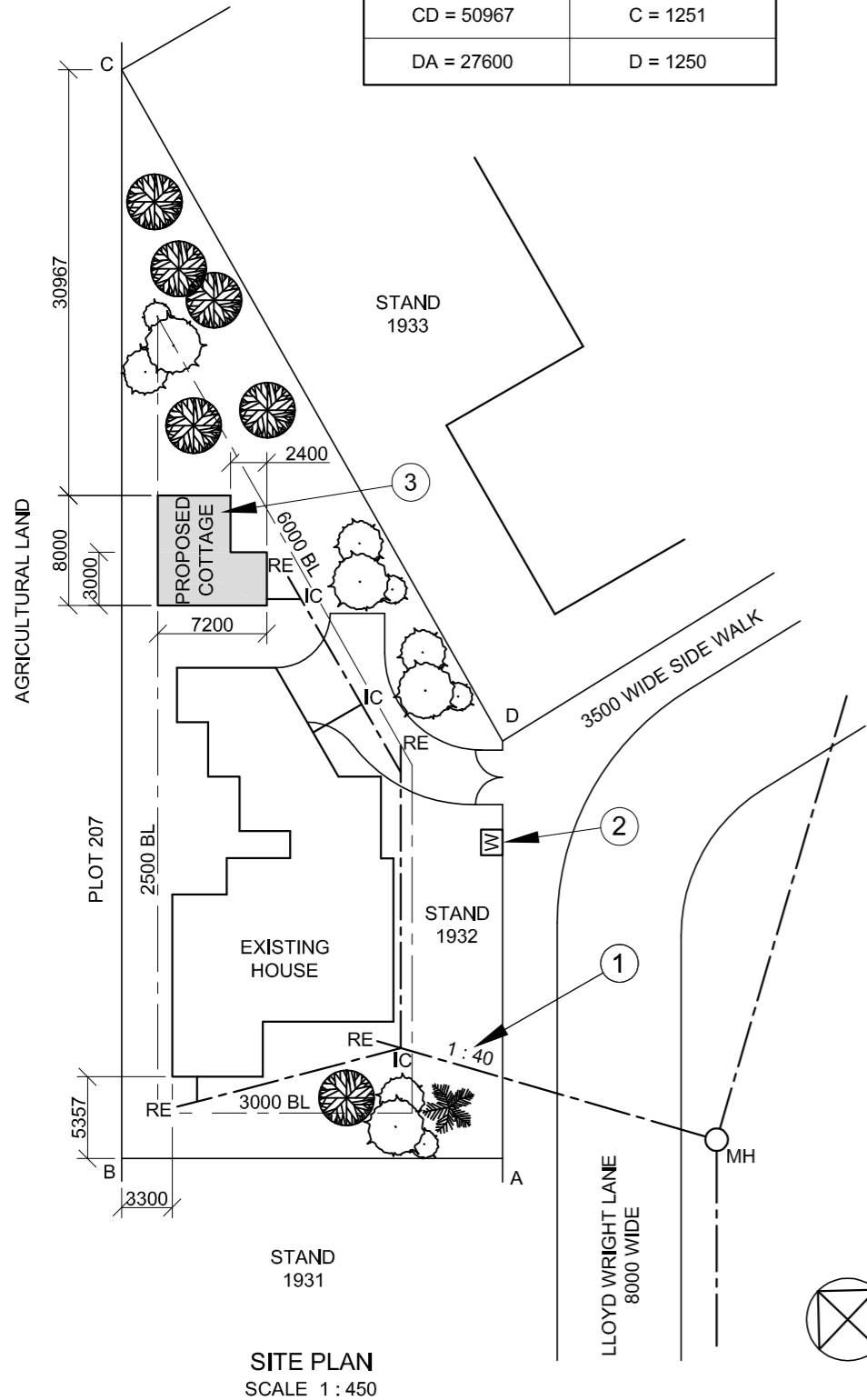


ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



LAND SURVEYOR'S CERTIFICATE OF THE BOUNDARY LENGTHS AND CORNER HEIGHTS ON STAND 1932. SURVEYED ON 2015-09-15	
BOUNDARY LENGTHS IN MILLIMETRES	CORNER HEIGHTS IN METRES
AB = 25200	A = 1250
BC = 72000	B = 1251
CD = 50967	C = 1251
DA = 27600	D = 1250



SITE PLAN
SCALE 1 : 450

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 18

In the space below, draw, in neat freehand and according to the SANS 10143, a cross section of a piece of TIMBER or UNDRESSED WOOD.



ANSWER 19

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



QUESTION 1: ANALYTICAL (CIVIL)

Given:

The site plan for a proposed new cottage, 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	On what date was the site plan printed?	1	
2	Who prepared the drawing?	1	
3	How many revisions have been made to the drawing?	1	
4	What is the length of boundary CD?	1	
5	What scale is indicated for the drawing?	1	
6	What does the abbreviation IC stand for?	1	
7	What does the abbreviation RE stand for?	1	
8	What does the abbreviation MH stand for?	1	
9	What is the shortest distance from the existing house to STAND 1931 in metres?	1	
10	What does the ratio at 1 indicate?	1	
11	Name the feature at 2.	1	
12	In what colour should the feature at 3 be shown?	1	
13	What is the difference in height between corner A and corner C in metres?	1	
14	Why would a residential development not be allowed on PLOT 207?	1	
15	Which elevation of the existing house faces STAND 1933?	2	
16	In the space below (ANSWER 16), determine the perimeter of the proposed new cottage in metres.	3	
17	In the space below (ANSWER 17), determine the total area of STAND 1932 in square metres.	4	
18	In the space in the title panel (ANSWER 18), draw, in neat freehand and according to the SANS 10143, a cross section of a piece of TIMBER or UNDRESSED WOOD.	3	
19	In the space in the title panel (ANSWER 19), draw, in neat freehand, the front view and top view of the SANS 10143 graphic symbol for a WATER CLOSET.	4	
TOTAL		30	

REVISION	DATE	DESCRIPTION

PRINTED BY FRANK PRINTERS	DATE OF PRINT 2015/10/12		
DRAWING TITLE SITE PLAN STAND 1932			
PROJECT PROPOSED NEW COTTAGE ON STAND 1932, KLIPPLAAT			
PROJECT NUMBER GR447-101	DRAWING NUMBER 447P6		
DATE 2015/10/10	DRAWN J VAN WYK	CHECKED C K BIRD	SCALE 1 : 450
REFERENCE CODE QU1-2015			

ANSWER 16
Show ALL calculations.

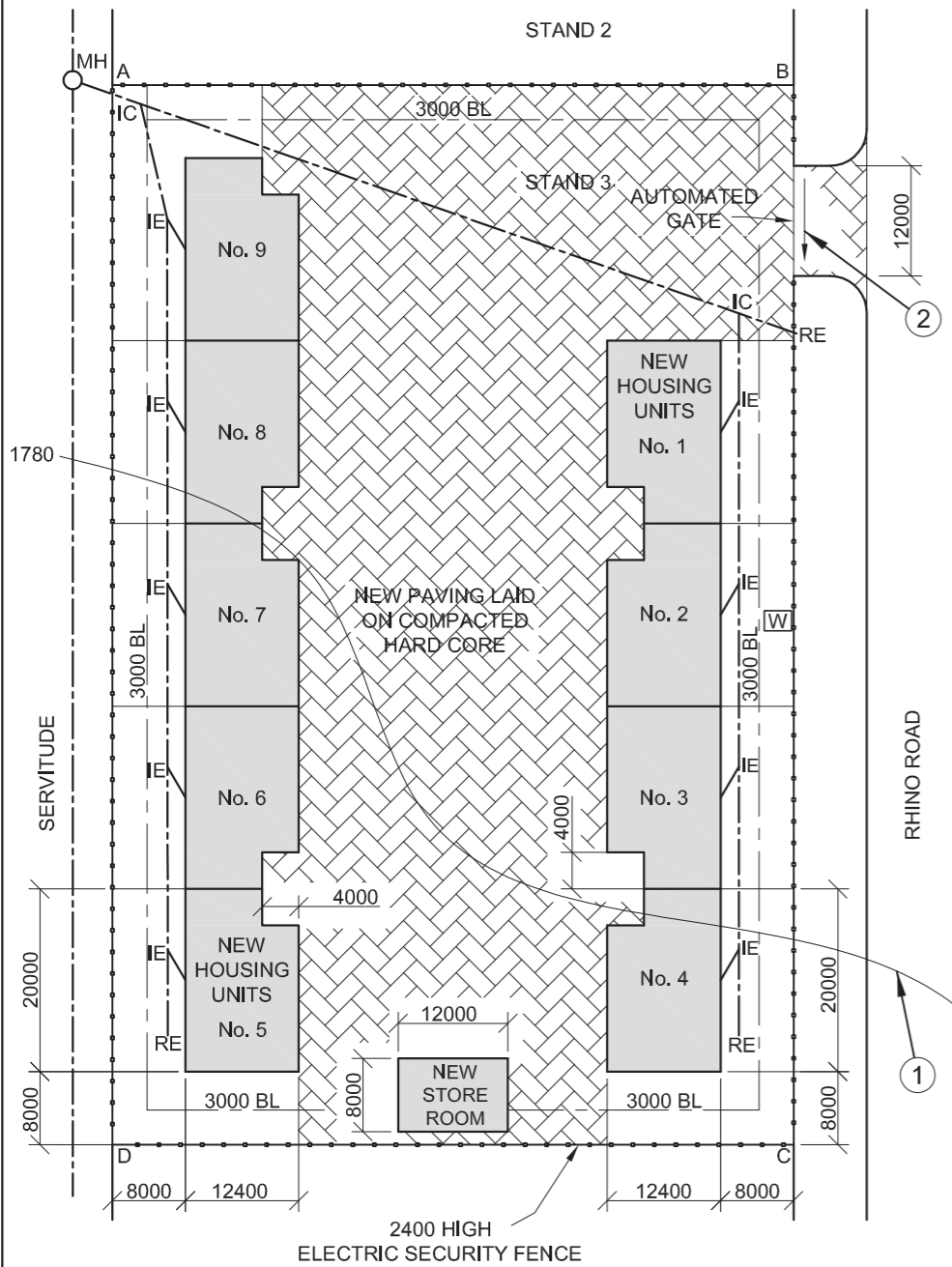
ANSWER 17
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2





LAND SURVEYOR'S CERTIFICATE OF THE BOUNDARY LENGTHS AND CORNER HEIGHTS ON STAND 3. SURVEYED ON 2015-05-06	
BOUNDARY LENGTHS IN MILLIMETRES	CORNER HEIGHTS IN METRES
AB = 74569	A = 1780,6
BC = 116000	B = 1780,7
CD = 74569	C = 1779,7
DA = 116000	D = 1779,3



SITE PLAN
SCALE 1 : 800



NOTE:

- Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies.
- All the houses are the same size.

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* graphic symbol for a BIDET.



REVISION	DATE	DESCRIPTION
ON-THE-DOT ARCHITECTS PO BOX 2000 LEOPARD VALLEY 1012		
PRINTED BY NAT PRINTERS		DATE OF PRINT 2015/07/09
DRAWING TITLE SITE PLAN		
PROJECT PROPOSED NEW HOUSING UNITS IN A SECURITY COMPLEX ON STAND 3, RHINO ROAD, OBSERVATION PARK		
PROJECT NUMBER 2015-RR-07	DRAWING NUMBER EP 3-01-2016	
DATE 2015/07/07	DRAWN WILLIAM	CHECKED VERNON
REFERENCE CODE QV1-2016		SCALE 1 : 800



QUESTION 1: ANALYTICAL (CIVIL)

Given:

The site plan for proposed housing units in a security complex, 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	How many signatures are required?	1	
2	Who prepared the drawing?	1	
3	What scale is indicated for the drawing?	1	
4	Who checked the drawing?	1	
5	Who was responsible for the printing of the site plan?	1	
6	How many times have the drawing been revised?	1	
7	When was the site surveyed?	1	
8	How many rodding eyes are shown on the site plan?	1	
9	What does the abbreviation <i>IC</i> stand for?	1	
10	In what colour should glass be indicated on a detailed drawing?	1	
11	Name the feature at 1.	1	
12	In what unit are the dimensions on the site plan?	1	
13	On what must the new paving be laid?	1	
14	What type of fence is proposed for the complex?	2	
15	What is indicated by the arrow at 2?	1	
16	Why would a residential development not be allowed on the land immediately south-west of STAND 3?	2	
17	Referring to the building regulations, why would this proposed site plan not be approved?	2	
18	In the space below (ANSWER 18), determine the length of the electric security fence in metres.	3	
19	In the space below (ANSWER 19), determine the combined total area of ALL the proposed buildings in square metres.	4	
20	In the space in the title panel (ANSWER 20), draw, in neat freehand, the front view and top view of the <i>SANS 10143</i> graphic symbol for a BIDET.	3	
TOTAL		30	

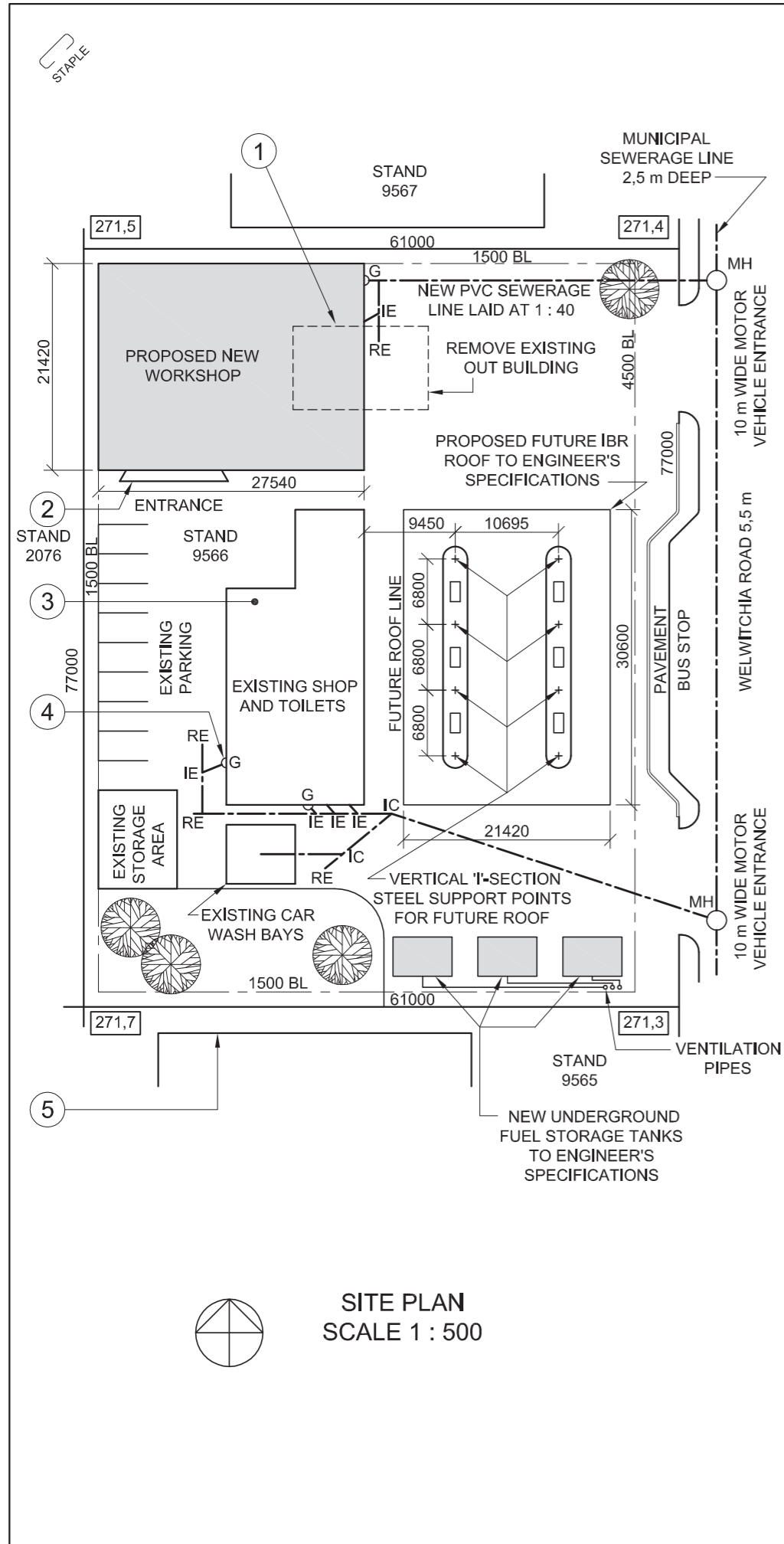
ANSWER 18
Show ALL calculations.

ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER

EXAMINATION NUMBER

2



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 SINGLE WALL-MOUNTED URINAL.



REVISION	DATE	DESCRIPTION
3	2015-08-30	Move vent pipes
2	2015-08-18	Replace fuel tanks
1	2015-08-06	Include new roof support points

DIGITAL DRAWING
ARCHITECTS
17 SAFFRON DRIVE
GLENASHLEY
☎ 031 5836092

PRINTED BY: TIMELESS PRINTERS
DATE OF PRINT: 2015-10-17

DRAWING TITLE: **SITE PLAN**

PROJECT: PROPOSED NEW WORKSHOP, UNDERGROUND FUEL STORAGE TANKS AND FUTURE ROOF FOR SA PETROLEUM ON STAND 9566, WELWITCHIA ROAD

PROJECT NUMBER SSA/FS-2015	DRAWING NUMBER TH 15-05-R4K/J		
DATE 2015-09-04	DRAWN TOM	CHECKED HARRY	SCALE 1 : 500

REFERENCE CODE: 1QP1-2015



QUESTION 1: ANALYTICAL (CIVIL)

Given:

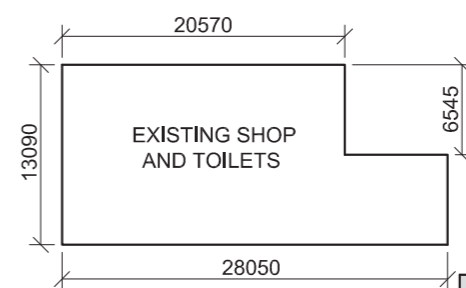
The site plan of an existing service station with a proposed new workshop, underground fuel storage tanks and future roof, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

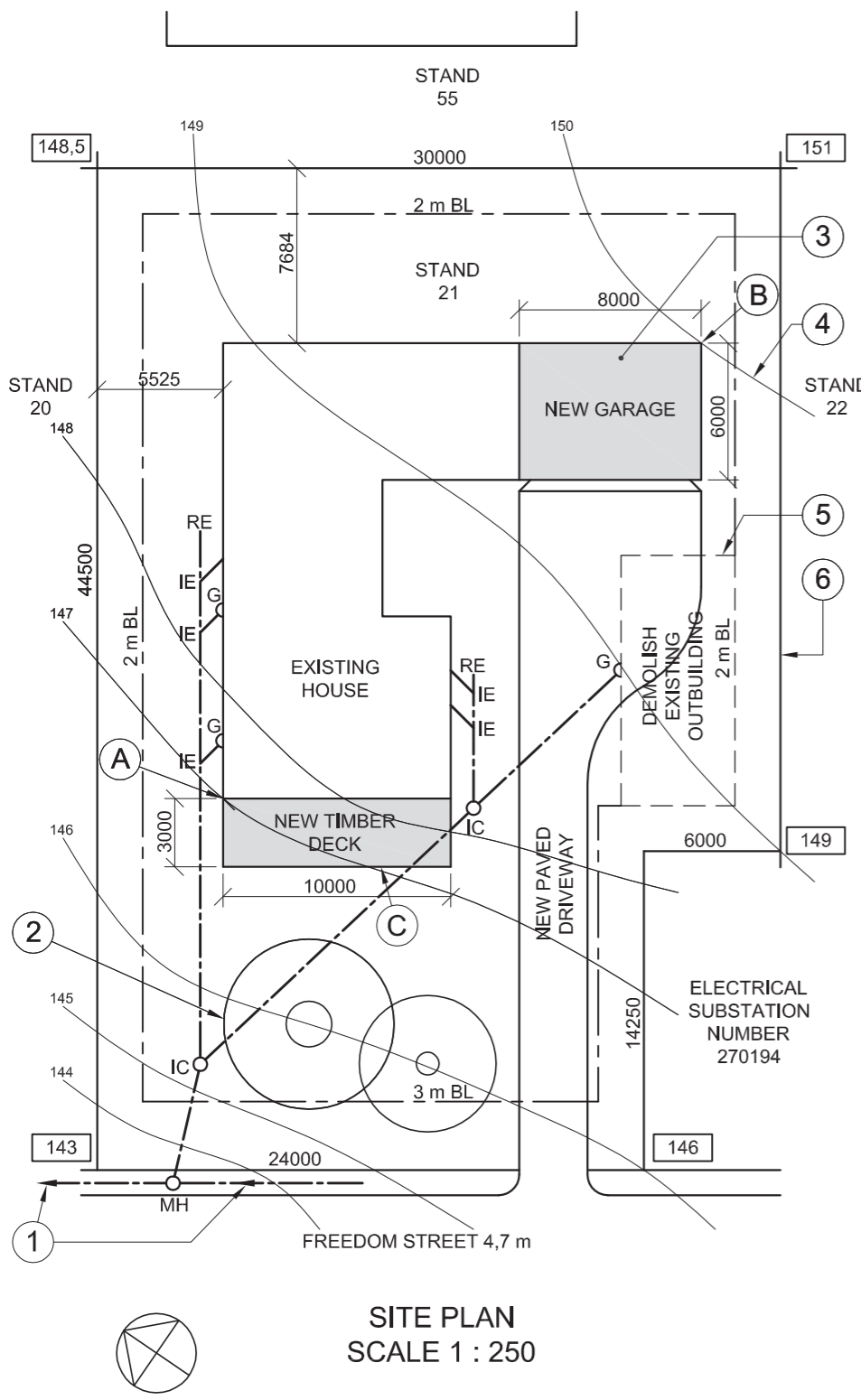
QUESTIONS		ANSWERS	
1	How many signatures are required?	1	
2	What is the architectural firm's telephone number?	1	
3	What was the second revision?	1	
4	What is the width of Welwitchia Road in millimetres?	1	
5	What type of roof cover is proposed for the future roof?	1	
6	How many trees are shown?	1	
7	How many new underground fuel storage tanks are shown?	1	
8	What does the broken line at 1 indicate?	1	
9	Name the feature at 2.	1	
10	In what colour should new steel be indicated on a drawing?	1	
11	In what colour should the feature at 3 be shown?	1	
12	Name the feature at 4.	1	
13	Name the feature at 5.	1	
14	Which side of the existing shop and toilets faces Welwitchia Road?	2	
15	Give a reason why graphical symbols are used in drawings.	2	
16	What determines the size of a graphical symbol on a drawing?	1	
17	What is the height of the lowest corner of the stand in metres?	2	
18	In the space below, determine the perimeter of the existing shop and toilets in metres.	3	
19	In the space below, determine the total area of the existing shop and toilets in square metres.	3	
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a SINGLE WALL-MOUNTED URINAL.	4	
TOTAL		30	

ANSWER 18
Show ALL calculations.



ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



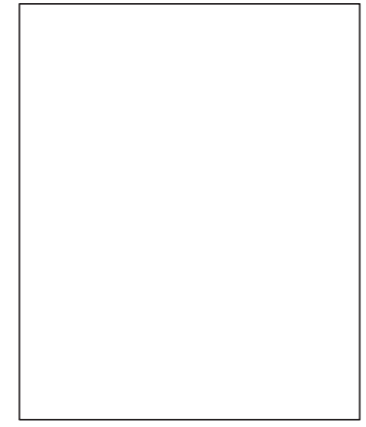
SITE PLAN
SCALE 1 : 250

NOTE:
Contractors must verify all dimensions and levels on site before commencing work. Architects must 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 BATH.



REVISION	DATE	DESCRIPTION
1	2015-01-27	Add timber deck

KEY ARCHITECTS
96 Protea Street
POTCHEFSTROOM
083 130 2201
key@webmail.co.za

PRINTED BY
ILM PRINTERS

DATE OF PRINT
2015-02-13

DRAWING TITLE
SITE PLAN

PROJECT
PROPOSED NEW GARAGE AND
TIMBER DECK FOR MRS SCHUTTE
ON STAND 21, FREEDOM STREET.

PROJECT NUMBER AFSP-2015	DRAWING NUMBER VG 002		
DATE 2015-01-10	DRAWN AD	CHECKED BC	SCALE 1 : 250

REFERENCE CODE
Q1P1N2015



QUESTION 1: ANALYTICAL (CIVIL)

Given:

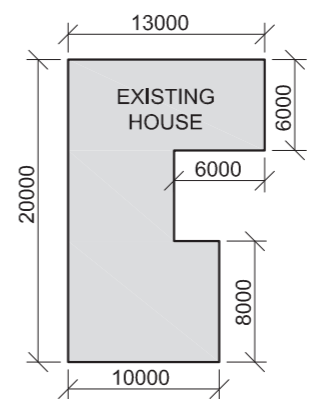
The site plan of a existing house with a proposed new garage and timber deck, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

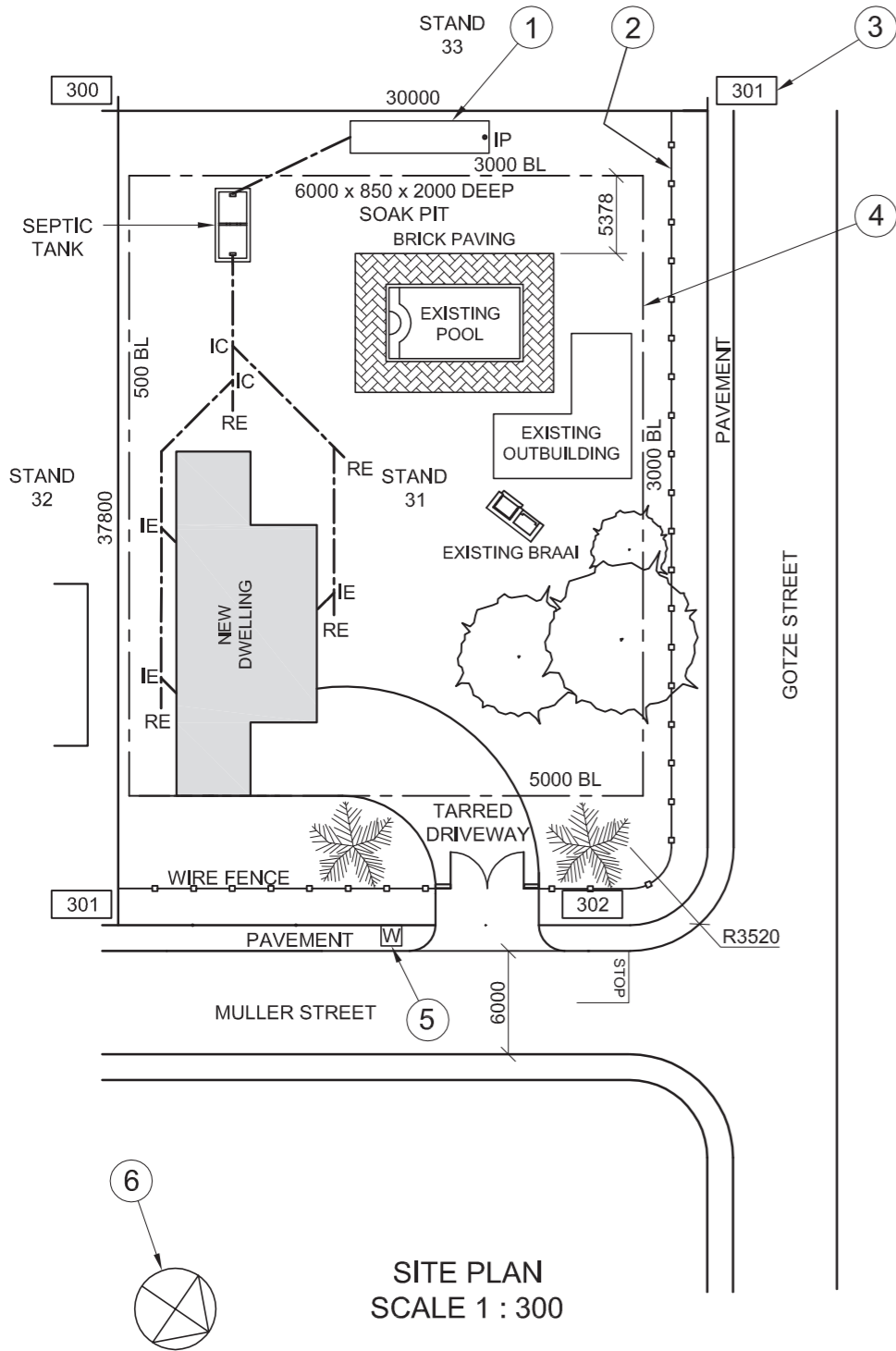
QUESTIONS		ANSWERS	
1	What is the project number?	1	
2	How many signatures are required?	1	
3	How many revisions have been made to the drawing?	1	
4	Who is the client?	1	
5	On what date was the site plan printed?	1	
6	How many new additions are indicated on the site plan?	1	
7	What does the abbreviation IC stand for?	1	
8	What is indicated by the arrows on the line at 1?	1	
9	Name the feature at 2.	1	
10	In what colour should the feature at 3 be shown?	1	
11	What does the line at 4 indicate?	1	
12	What does the broken line at 5 indicate?	1	
13	What is the length of the boundary line at 6 in metres?	1	
14	What is the width of Freedom Street in millimetres?	1	
15	What is the difference in ground level height between corner A and corner B of the buildings in metres?	2	
16	On which side of the existing house is the new timber deck?	2	
17	Which municipal service is found on the land adjacent to stand 21?	2	
18	In the space below, determine the perimeter of the existing house in metres.	3	
19	In the space below, determine the combined total area of the existing house and the new garage in square metres.	3	
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a BATH.	4	
		TOTAL 30	

ANSWER 18
Show ALL calculations.



ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



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 provided below, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a DOUBLE SINK.



REVISION	DATE	DESCRIPTION
3		
2	2014-12-07	Include a soak pit
1	2014-11-09	Change driveway

TONY KROOS & ASSOCIATES
ARCHITECTS
1 BAYERN DRIVE
13-16 MUNICH GARDENS
NEW GERMANY
PINETOWN
0791313130
tonykroos@bundes.com

PRINTED BY FUSSBAL PRINTERS DATE OF PRINT 2015-02-12

DRAWING TITLE
SITE PLAN

PROJECT
PROPOSED DWELLING FOR MR RIBERY ON STAND 31, CNR MULLER STREET AND GOTZE STREET.

PROJECT NUMBER CHLW-2013	DRAWING NUMBER BM 3113		
DATE 2015-01-28	DRAWN ARJEN	CHECKED ROB	SCALE 1 : 300

REFERENCE CODE
1VG2014



QUESTION 1: ANALYTICAL (CIVIL)

Given:

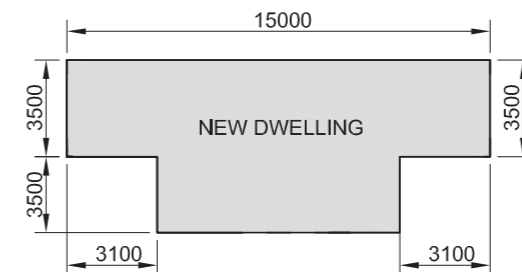
The site plan for a proposed new dwelling, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

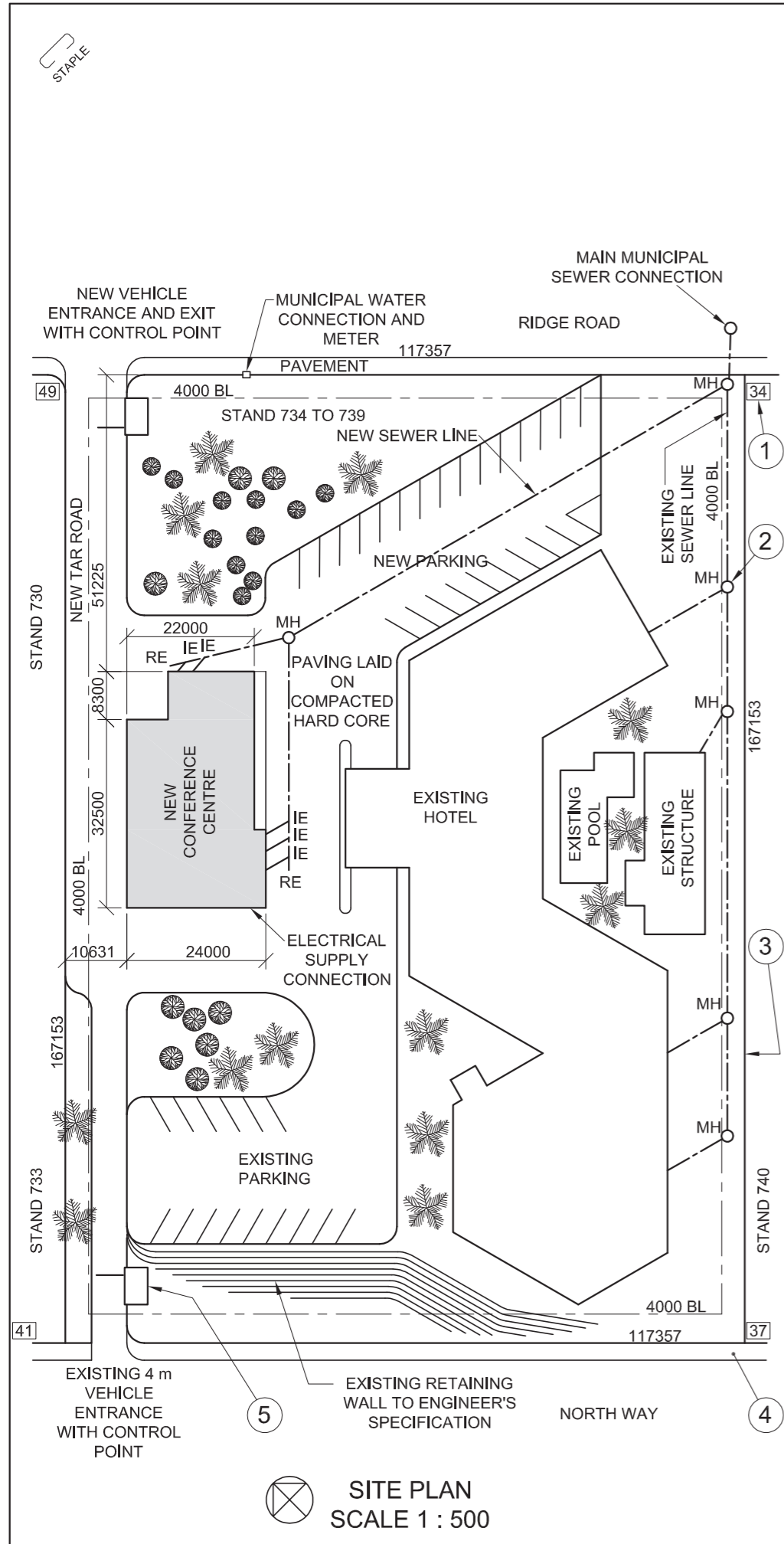
QUESTIONS		ANSWERS	
1	What is the reference code for the drawing?	1	
2	What was the second revision?	1	
3	What scale is indicated for the drawing?	1	
4	How many inspection chambers are there on the sewer line?	1	
5	What finish is used around the pool?	1	
6	What new development is proposed on the site?	1	
7	In what colour would new glass be presented on a drawing?	1	
8	In what colour would new concrete be presented on a drawing?	1	
9	What is the depth of the feature at 1?	1	
10	Name the feature at 2.	1	
11	What does the number at 3 indicate?	1	
12	What does the line at 4 indicate?	1	
13	Name the feature at 5.	1	
14	Name the feature at 6.	1	
15	Which elevation of the new dwelling faces Gotze Street?	2	
16	What is the distance from the swimming pool to the south-western boundary line in metres?	2	
17	What is the length of the boundary facing stand 32 in metres?	2	
18	In the space below, determine the perimeter of the new dwelling in metres.	3	
19	In the space below, determine the total building area of stand 31 in square metres.	3	
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a DOUBLE SINK.	4	
		TOTAL 30	

ANSWER 18
Show ALL calculations.



ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



SITE PLAN
SCALE 1 : 500

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 provided below, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a SINGLE URINAL.



REVISION	DATE	DESCRIPTION
3		
2	2014-07-15	Include a new MH
1	2014-07-11	Change road

NEW HORIZON
ARCHITECTS
17 MAIN ROAD
DURBAN
Tel: 031 335 2835

PRINTED BY: DUNNIT PRINTERS
DATE OF PRINT: 2014-08-05

DRAWING TITLE:
SITE PLAN

PROJECT:
PROPOSED NEW CONFERENCE CENTRE FOR THE SA HOTEL GROUP ON STANDS 734 TO 739 AT 261 NORTH WAY, DURBAN

PROJECT NUMBER 04	DRAWING NUMBER 10-B708		
DATE 2014-05-30	DRAWN SAREL	CHECKED PERTO	SCALE 1 : 500

REFERENCE CODE:
N14-Q1



QUESTION 1: ANALYTICAL (CIVIL)

Given:

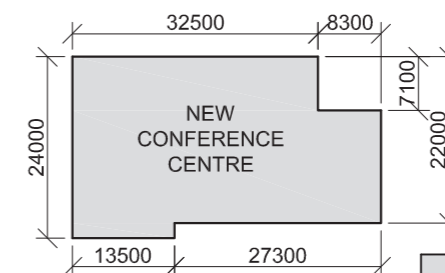
A site plan of a hotel with a proposed new conference centre, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

QUESTIONS		ANSWERS	
1	On what date was the site plan printed?	1	
2	What must the contractors do on site before commencing with any work?	1	
3	What scale is indicated for the drawing?	1	
4	What was the first revision?	1	
5	What is the surface finish of the new road?	1	
6	What new development is proposed for the hotel?	1	
7	In what colour would new timber be presented on a drawing?	1	
8	In what colour would new steel be presented on a drawing?	1	
9	What does the number at 1 indicate?	1	
10	Name the feature at 2.	1	
11	What does the line at 3 indicate?	1	
12	Name the feature at 4.	1	
13	Name the feature at 5.	1	
14	On what must the paving in the new parking lot be laid?	1	
15	In which road is the new exit from the hotel?	2	
16	What is the length of the south western wall on the new conference centre in metres?	2	
17	What is the shortest distance from the new conference centre to the boundary line on North Way in metres?	2	
18	In the space below, determine the perimeter of the new conference centre in metres.	3	
19	In the space below, determine the total area of the new conference centre in square metres.	3	
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol for a SINGLE URINAL.	4	
TOTAL		30	

ANSWER 18
Show ALL calculations.



ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



LAND SURVEYOR'S CERTIFICATE OF THE BOUNDARY LENGTHS AND CORNER HEIGHTS OF STAND 77 AT 5 DUIKER AVENUE PRETORIA. SURVEYED ON 01-10-2011	
BOUNDARY LENGTHS IN MILLIMETRES	CORNER HEIGHTS IN METRES
AB = 42688	A = 1022
BC = 31684	B = 1024
CD = 42688	C = 1025
DA = 31684	D = 1021

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

20. In the space provided below, draw, in neat freehand, the front view and top view of the *SANS 10143* graphical symbol for a single kitchen sink.



QUESTION 1: ANALYTICAL (CIVIL)

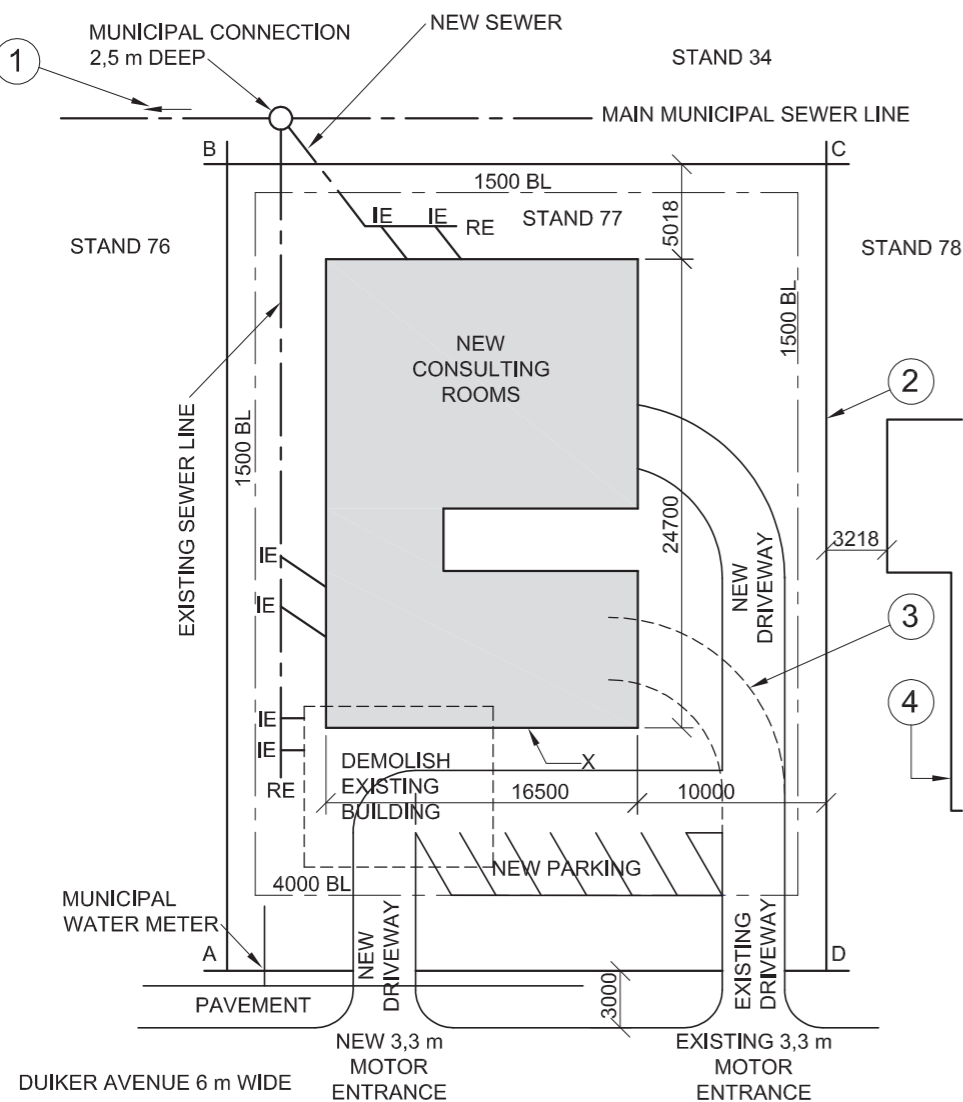
Given:

A site plan for proposed new consulting rooms, 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 all refer to the accompanying drawing and title panel. [30]

QUESTIONS		ANSWERS	
1	On what date was the stand surveyed?	1	
2	What was Vishnu responsible for?	1	
3	How wide is the pavement on Duiker Avenue in metres?	1	
4	What is the client's name?	1	
5	How many new parking bays are indicated?	1	
6	How many new inspection eyes are required?	1	
7	On which property is the municipal sewer connection located?	1	
8	In what colour is a new building presented on a site plan?	1	
9	In what colour is a new sewer line presented on a site plan?	1	
10	What does the arrow at 1 indicate?	1	
11	What does the line at 2 indicate?	1	
12	What does the line at 3 indicate?	1	
13	Name the feature at 4.	1	
14	What must be done to the existing building on the stand?	1	
15	What is the difference in height between the highest and the lowest corner of the stand in metres?	1	
16	What is the distance from wall X to Duiker Avenue in metres?	2	
17	What would the elevation of the new consulting rooms facing stand 78 be called?	2	
18	In the space below, determine the perimeter of the new consulting rooms in metres. Show ALL calculations.	4	
19	In the space below, determine, in square metres, the total floor area that needs to be tiled if the outside walls are 200 mm thick. Show ALL calculations.	4	
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the <i>SANS 10143</i> graphical symbol for a single kitchen sink.	3	
TOTAL 30			



SITE PLAN
SCALE 1 : 250



REVISION	DATE	DESCRIPTION
3	2013-09-11	Remove ex driveway
2	2013-09-08	Add new driveway
1	2013-08-28	Move new RE

MINKI'S DREAM HOMES
101 PAUL KRUGER STREET
PRETORIA
Tel: 012 555 2735

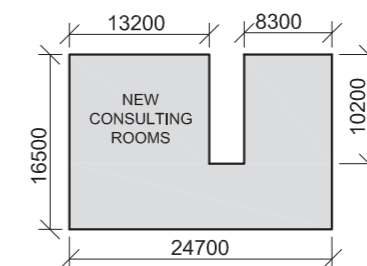
PRINTED BY DBE PRINTERS DATE OF PRINT 2013-10-30

DRAWING TITLE
SITE PLAN

PROJECT
PROPOSED NEW CONSULTING ROOMS FOR DR. AL SATION ON STAND 77 AT 5 DUIKER AVENUE PRETORIA.

PROJECT NUMBER 001	DRAWING NUMBER 1 of 4	
REFERENCE CODE Q1P1-EXEMP-2014	DRAWN BY BEYERS	CHECKED BY VISHNU
DATE 2013-09-12	SCALE 1 : 250	

ANSWER 18
Show ALL calculations.



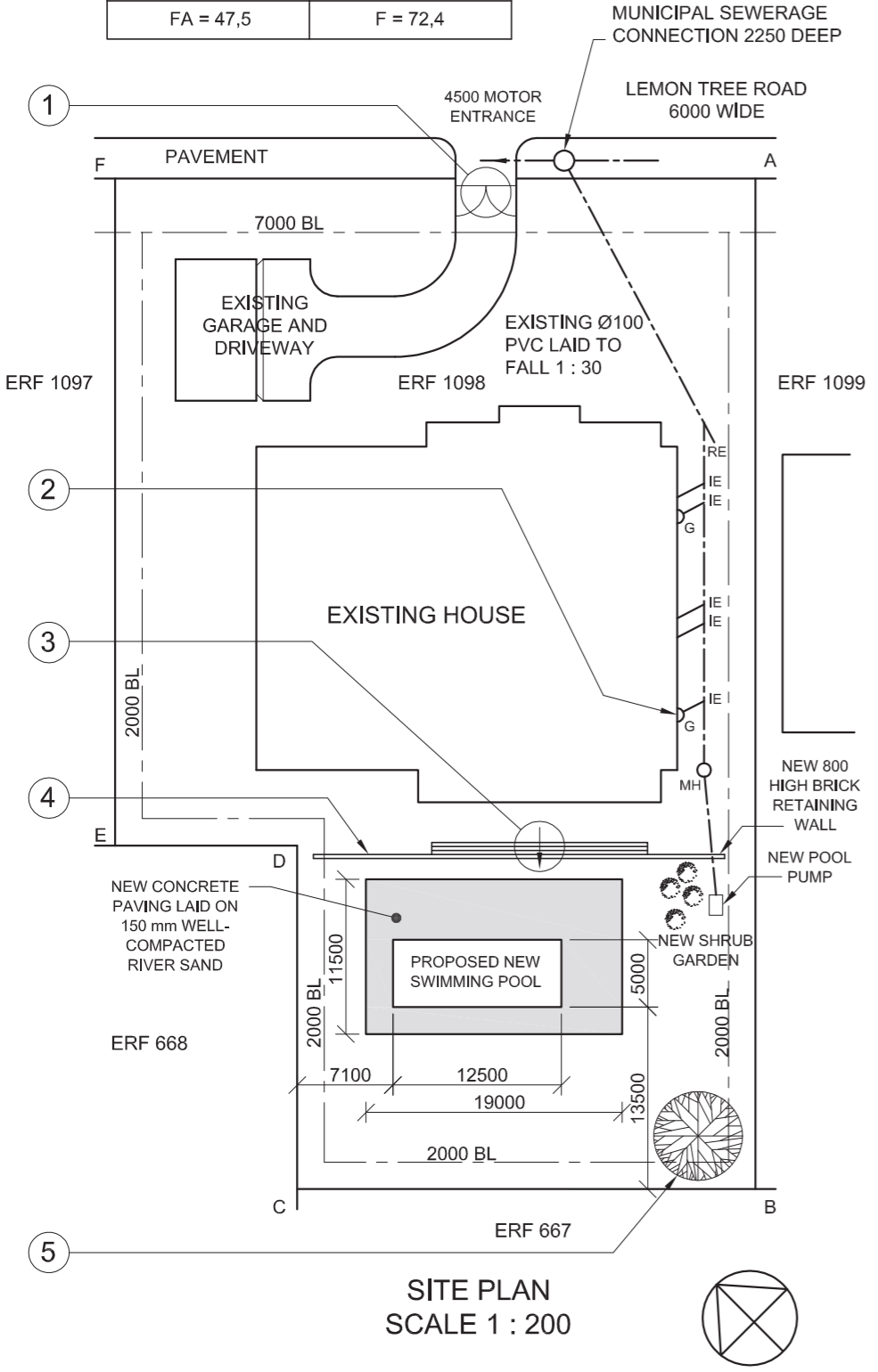
ANSWER 19
Show ALL calculations.

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



SIDE LENGTHS AND CORNER HEIGHTS ON ERF NUMBER 1098 PIETERMARITZBURG. SURVEYED ON 01-04-2011

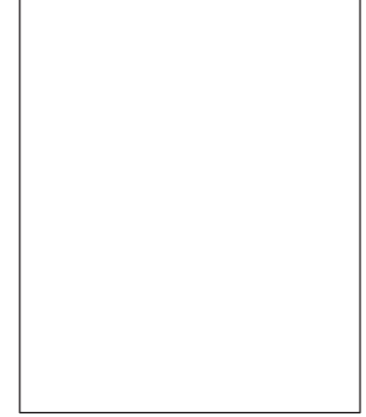
LENGTHS IN METRES	HEIGHTS IN METRES
AB = 75	A = 73,8
BC = 34	B = 77,6
CD = 25,5	C = 77,9
DE = 13,5	D = 77,0
EF = 49,5	E = 76,9
FA = 47,5	F = 72,4



SITE PLAN SCALE 1 : 200

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

20. In the space below, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol (convention) for a SHOWER.



ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE

REVISION	DATE	DESCRIPTION

PRINTED BY PATSY PRINTERS DATE OF PRINT 17-02-2014

DRAWING TITLE **SITE PLAN**

PROJECT NUMBER 2014-001 DRAWN BY P XABA DATE 19-01-2014

REFERENCE CODE DBE-2014-01 CHECKED BY P THAKER DATE 05-02-2014

DRAWING NUMBER 13-001-SIP APPROVED BY M ZUNGU DATE 14-02-2014

PROJECT
PROPOSED NEW SWIMMING POOL FOR AM MBUTU ON ERF NUMBER 1098 AT 87 LEMON TREE ROAD, PIETERMARITZBURG

BUDGET DRAUGHTING
26 CHURCH STREET
PIETERMARITZBURG
Tel: 033 245 3434

QUESTION 1: ANALYTICAL (CIVIL)

Given:

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

Instructions:

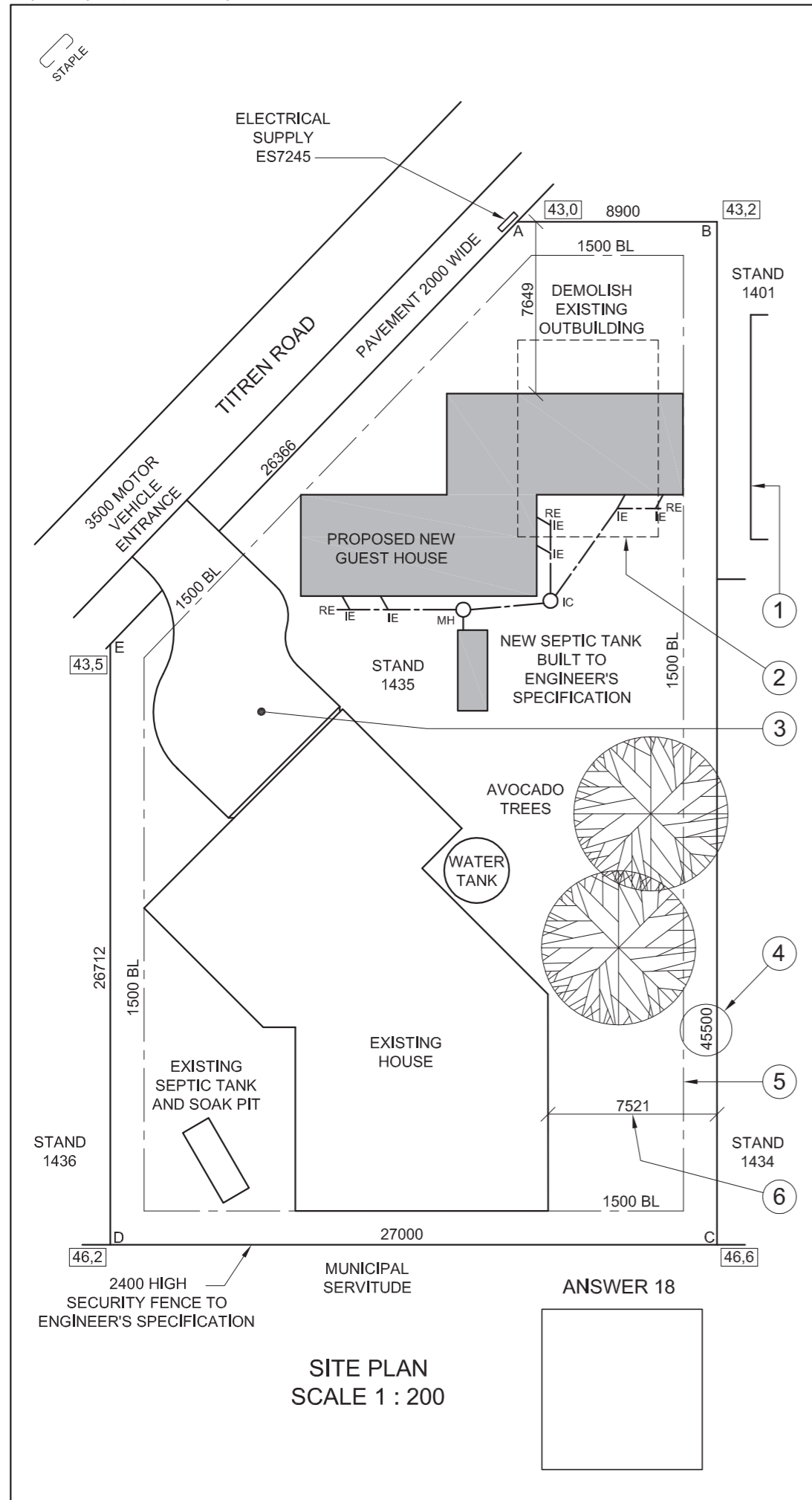
Complete the table below by neatly answering the questions, which all refer to the accompanying drawing and title panel. [30]

QUESTIONS		ANSWERS	
1	On what date was the plan approved?	1	
2	Who prepared the site plan?	1	
3	What scale is indicated for the drawing?	1	
4	What is the project number?	1	
5	What is the name of the draughting firm?	1	
6	How many stands border erf number 1098?	1	
7	What is the fall on the existing sewerage line?	1	
8	How deep is the municipal sewerage connection in metres?	1	
9	Name the encircled feature at 1.	1	
10	Name the feature labelled 'G' at 2.	1	
11	What does the arrow in the circle at 3 indicate?	1	
12	Name the feature at 4.	1	
13	Name the feature at 5.	1	
14	Which elevation of the existing house faces the pool?	1	
15	How long is the north-eastern boundary line of erf 1098 in metres?	2	
16	What is the width and length of the swimming pool in metres?	2	
17	Determine the area of the concrete paving around the swimming pool in square metres. Show ALL calculations.	3	
18	Determine the perimeter of erf 1098 in metres. Show ALL calculations.	3	
19	Determine the shortest distance from the swimming pool to the south-eastern building line in metres. Show ALL calculations.	3	
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SANS 10143 graphical symbol (convention) for a SHOWER.	3	
TOTAL		30	

EXAMINATION NUMBER

EXAMINATION NUMBER 2





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

19. In the space below, draw, in neat freehand, the front view and top view of the *SANS 10143* graphical symbol (convention) for a SINGLE KITCHEN SINK.

ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE

REVISION	DATE	DESCRIPTION
2	2013-06-12	SEPTIC TANK
1	2013-05-25	DRIVEWAY

PROJECT
PROPOSED NEW GUEST HOUSE FOR MR R VAN DER LINDE ON STAND 1435 AT 5 TITREN ROAD SEA VIEW.

PRINTED BY: SPEEDPRINT DATE OF PRINT: 2013-07-01

DRAWING TITLE: **SITE PLAN**

PROJECT NUMBER: 114 DRAWING NUMBER: 003

REFERENCE CODE: Q1P1-NOV-2013 DRAWN BY: JASON DATE: 2013-03-14

SCALE: 1 : 200 CHECKED BY: MINKI DATE: 2013-03-18

CM ARCHITECTS
21ST FLOOR THE SQUARE
320 SMITH STREET DURBAN
Tel: 031 352 6788/9

QUESTION 1: ANALYTICAL (CIVIL)

Given:
The site plan for a proposed new guest 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 all refer to the accompanying drawing and title panel. [30]

QUESTIONS		ANSWERS	
1	How many revisions have been made to the drawing?	1	
2	How many signatures are required on the site plan?	1	
3	What is the project number?	1	
4	How wide is the motor vehicle entrance in metres?	1	
5	What does the abbreviation <i>MH</i> stand for?	1	
6	How high is the security fence in metres?	1	
7	What does the feature at 1 indicate?	1	
8	What does the line at 2 indicate?	1	
9	Name the feature at 3.	1	
10	What does the number at 4 indicate?	1	
11	What does the line at 5 indicate?	1	
12	If scale 1 : 50 was used for the site plan, what would the dimension at 6 read?	1	
13	What is the reference number of the electrical supply?	1	
14	What type of tree is found on the stand?	1	
15	In what SI unit are the dimensions?	1	
16	Is corner C of stand 1435 higher or lower than Titren Road?	2	
17	What is the shortest distance in metres from the proposed new guest house to Titren Road?	2	
18	If the side of the existing house that faces Titren Road is the south-west elevation, draw, in the space provided below the site plan and in neat freehand, a correctly orientated <i>SANS 10143</i> north-point symbol.	4	
19	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the <i>SANS 10143</i> graphical symbol (convention) for a single kitchen sink.	4	
20	In the space below, determine the perimeter of the new guest house in metres.	3	
ANSWER 20 Show ALL calculations.			

TOTAL	30
EXAMINATION NUMBER	
EXAMINATION NUMBER	



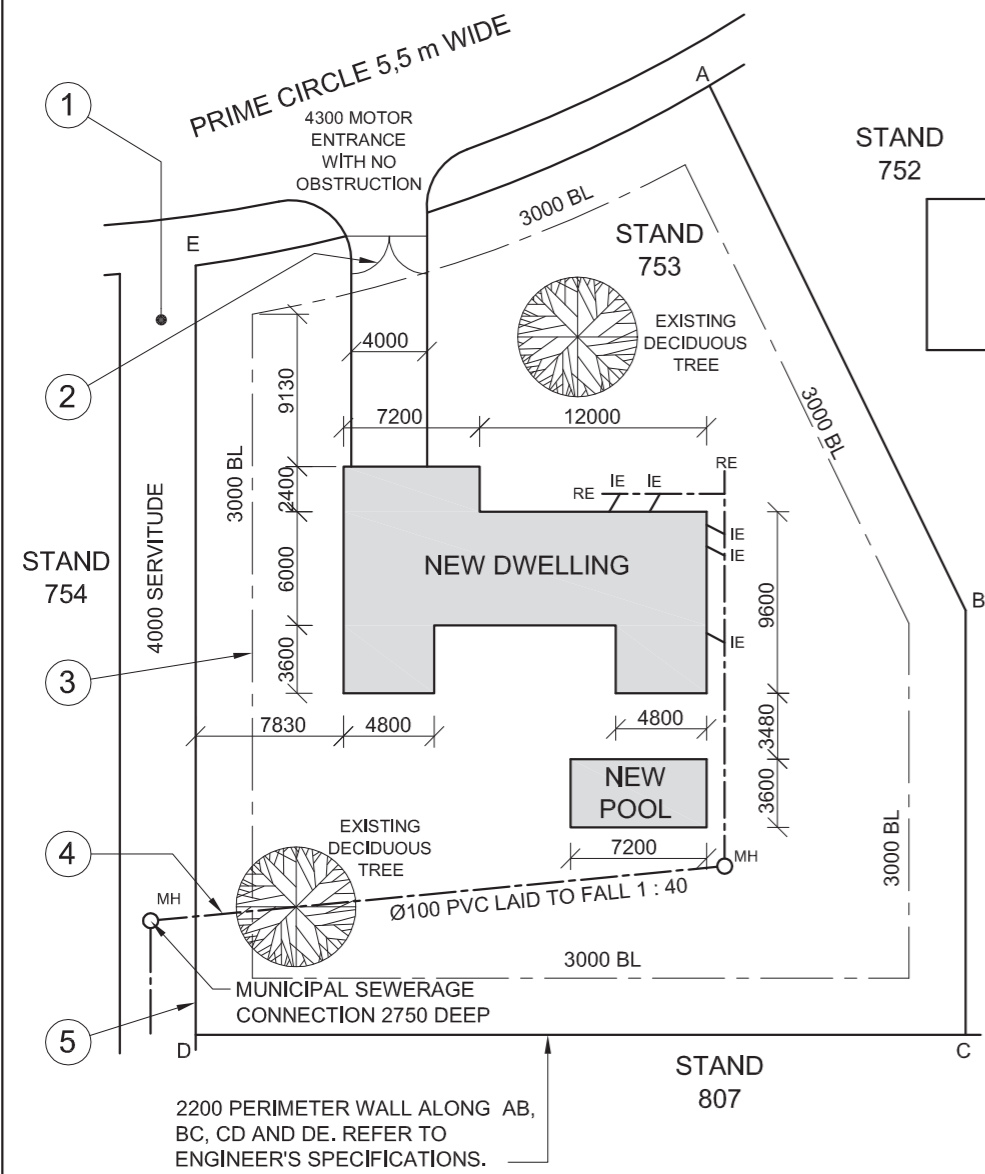
STAPLE

LAND SURVEYOR'S CERTIFICATE OF THE SIDE LENGTHS AND CORNER HEIGHTS ON STAND 753 PRIME CIRCLE ATHLONE. SURVEYED ON 16-09-2012

LENGTHS IN METRES	HEIGHTS IN METRES
AB = 30,885	A = 66,5
BC = 22,452	B = 65,9
CD = 40,729	C = 64,3
DE = 40,695	D = 64,8
EA = 28,825	E = 65,2

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

20. In the space provided below, draw, in neat freehand, the front view and top view of the SABS 0143 convention for a kitchen sink.



SITE PLAN
SCALE 1 : 150

ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE

REVISION	DATE	DESCRIPTION
2	30-10-2012	ADD PERIMETER WALL
1	23-10-2012	MOVE POOL

PROJECT
PROPOSED NEW DWELLING FOR M PETERSEN ON STAND 753 AT 54 PRIME CIRCLE ATHLONE.

PRINTED BY
PERFECT PRINT

DATE OF PRINT
12-12-2012

DRAWING TITLE
SITE PLAN

PROJECT NUMBER 65-3	DRAWN BY PIETER	DATE 14-10-2012
REFERENCE CODE DBE-2012-01	CHECKED BY THANDI	DATE 14-10-2012
DRAWING NUMBER 1 OF 8	PASSED BY CRAIG	DATE 14-10-2012

THE DESIGN TEAM ARCHITECTS
15 WATERKANT STREET
CAPE TOWN
TEL: 021 555 3434

QUESTION 1: ANALYTICAL (CIVIL)

Given:

A site plan for a new dwelling and swimming pool, 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 all refer to the accompanying drawing and title panel. **[30]**

QUESTIONS		ANSWERS	
1	On what date was the site plan printed?		1
2	Who checked the drawing?		1
3	How many revisions have been made to the drawing?		1
4	How wide is the driveway?		1
5	What is the fall of the sewerage line?		1
6	How high is the perimeter wall of the stand?		1
7	In what colour must a new dwelling on a site plan be presented?		1
8	How deep is the municipal sewerage connection?		1
9	Name the feature at 1.		1
10	Name the feature at 2.		1
11	What does the line at 3 indicate?		1
12	Name the line at 4.		1
13	Name the line at 5.		1
14	What elevation of the new dwelling faces the servitude?		2
15	Which is the lowest corner on the stand?		2
16	What is the shortest distance between the dwelling and the pool?		2
17	With reference to the sewerage, identify and give the reason why the plan could not be approved.		2
18	Determine the length of the perimeter wall in metres. Show ALL calculations.		3
19	Determine the total area of the new dwelling in square metres. Show ALL calculations.		3
20	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SABS 0143 convention for a kitchen sink.		3
TOTAL			30

EXAMINATION NUMBER

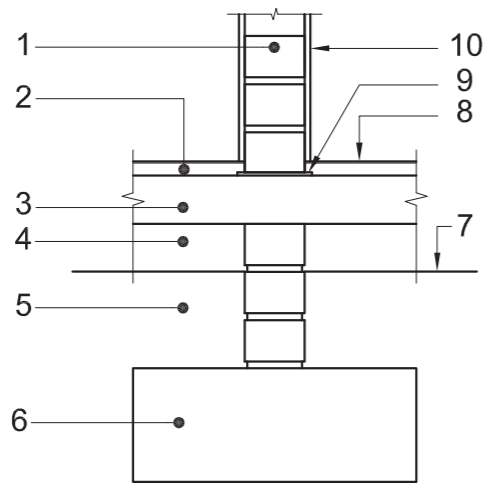
EXAMINATION NUMBER

2





NOTE:
THE HATCHING DETAIL
HAS BEEN OMITTED.



DETAILED DRAWING OF A SECTION THROUGH THE
SUBSTRUCTURE OF A NON-LOAD-BEARING WALL

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

14. In the space below, draw, in neat freehand, the front view and top view of the SABS 0143 convention for a SHOWER.



ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE

REVISION	DATE	DESCRIPTION

NEW WAVE ARCHITECTS

5 ARGILE DRIVE
DURBAN
Tel: 031 303 8459

PRINTED BY ZAPPY PRINTERS	DATE OF PRINT 2012-01-10
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DRAWING TITLE
SITE PLAN

PROJECT
NEW CLUSTER HOMES FOR
DUBE TRUST ON STAND 3 AT
58 STRELITZIA ROAD
GINGINDLOVU.

PROJECT NUMBER 18	DRAWING NUMBER 002-A	
REFERENCE CODE Q1P1-SUP-2012	DRAWN BY SANELE	CHECKED BY LEBO
DATE 2011-02-30	SCALE 1 : 200	

QUESTION 1: ANALYTICAL (CIVIL)

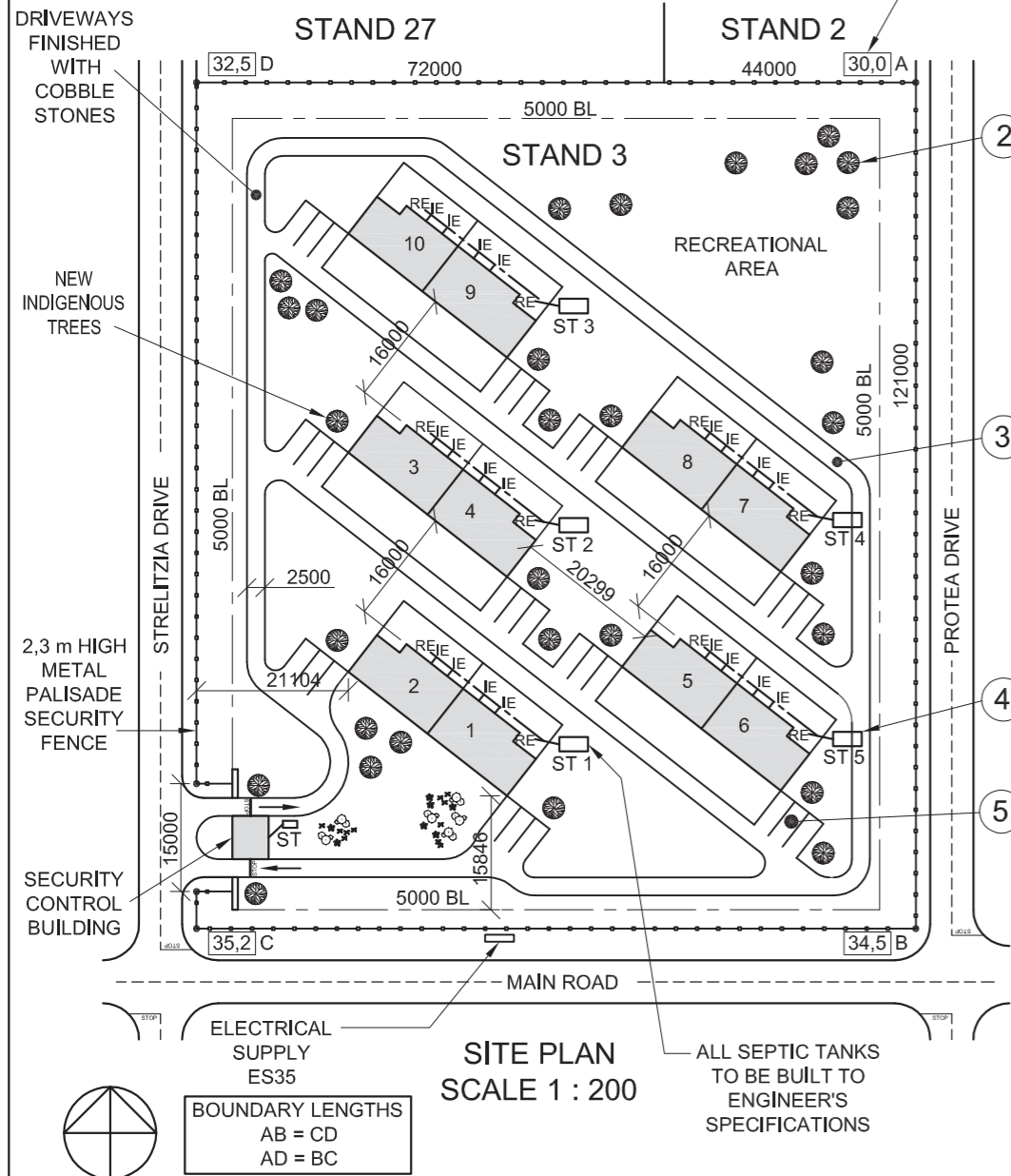
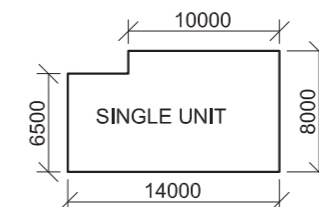
Given:

A detailed drawing of a section through the substructure of a non-load-bearing wall, the site plan for a new complex with 10 cluster homes, a title panel and a table of questions. The drawings have not been prepared to the indicated scale.

Instructions:

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

QUESTIONS		ANSWERS	
1	With reference to the detailed drawing of a section through the substructure of a non-load-bearing wall, link the number on the drawing with the correct component in the column to the right of this question.	FOUNDATION	10
		DAMP-PROOF COURSE	
		GROUND LEVEL	
		INTERNAL WALL	
		CONCRETE SLAB	
		COMPACTED HARDCORE	
		UNDISTURBED EARTH	
		SCREED	
		PLASTER	
		FINISHED FLOOR LEVEL	
2	What is the reference code for the drawing?		1
3	Who was responsible for the printing of the site plan?		1
4	What is the distance from the building line to the palisade fence?		1
5	In which road is the access to the property located?		1
6	What does the feature at 1 indicate?		1
7	Name the feature at 2.		1
8	Name the feature at 3.		1
9	Name the feature at 4.		1
10	Name the feature at 5.		1
11	How many buildings are on the stand?		1
12	What is the surface finish of the driveways in the complex?		1
13	Determine the total length of the metal palisade security fence line in metres. Show ALL calculations.		3
14	In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SABS 0143 convention for a shower.		3
15	In the space below, determine the total area of a single unit in square metres.		3
ANSWER 15 Show ALL calculations.		TOTAL	30



SITE PLAN
SCALE 1 : 200

ALL SEPTIC TANKS
TO BE BUILT TO
ENGINEER'S
SPECIFICATIONS

BOUNDARY LENGTHS
AB = CD
AD = BC

EXAMINATION NUMBER	
EXAMINATION NUMBER	2

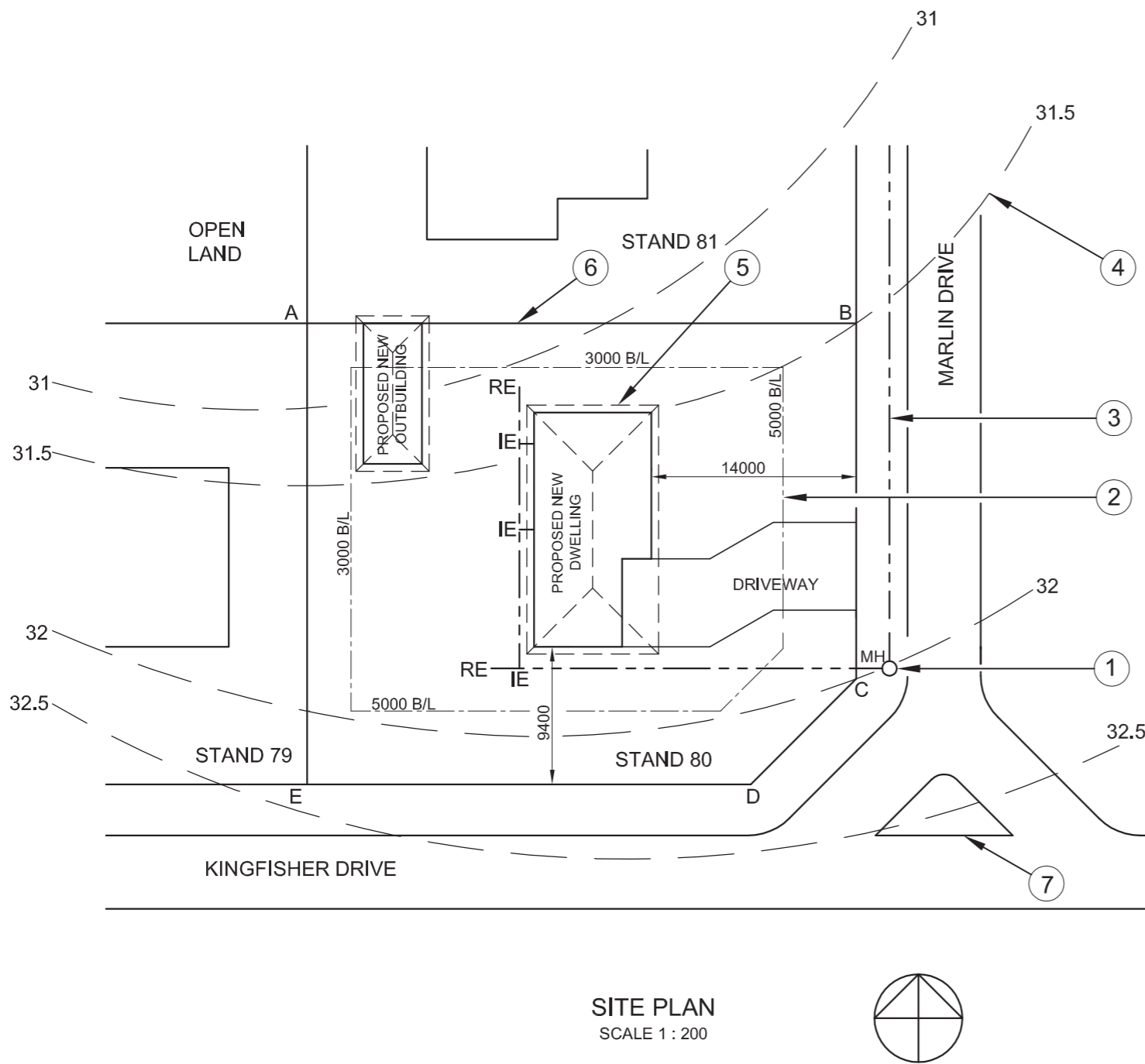


THE SITE PLAN SHOWS STAND 80
SITUATED AT KAYSERS BEACH

SURVEYED ON 12-04-2010

LAND SURVEYOR'S CERTIFICATE
SIDE LENGTHS

- AB = 37 806
- BC = 24 200
- CD = 10 615
- DE = 30 300
- EA = 31 706



SITE PLAN
SCALE 1 : 200

QUESTION 1: ANALYTICAL (CIVIL)

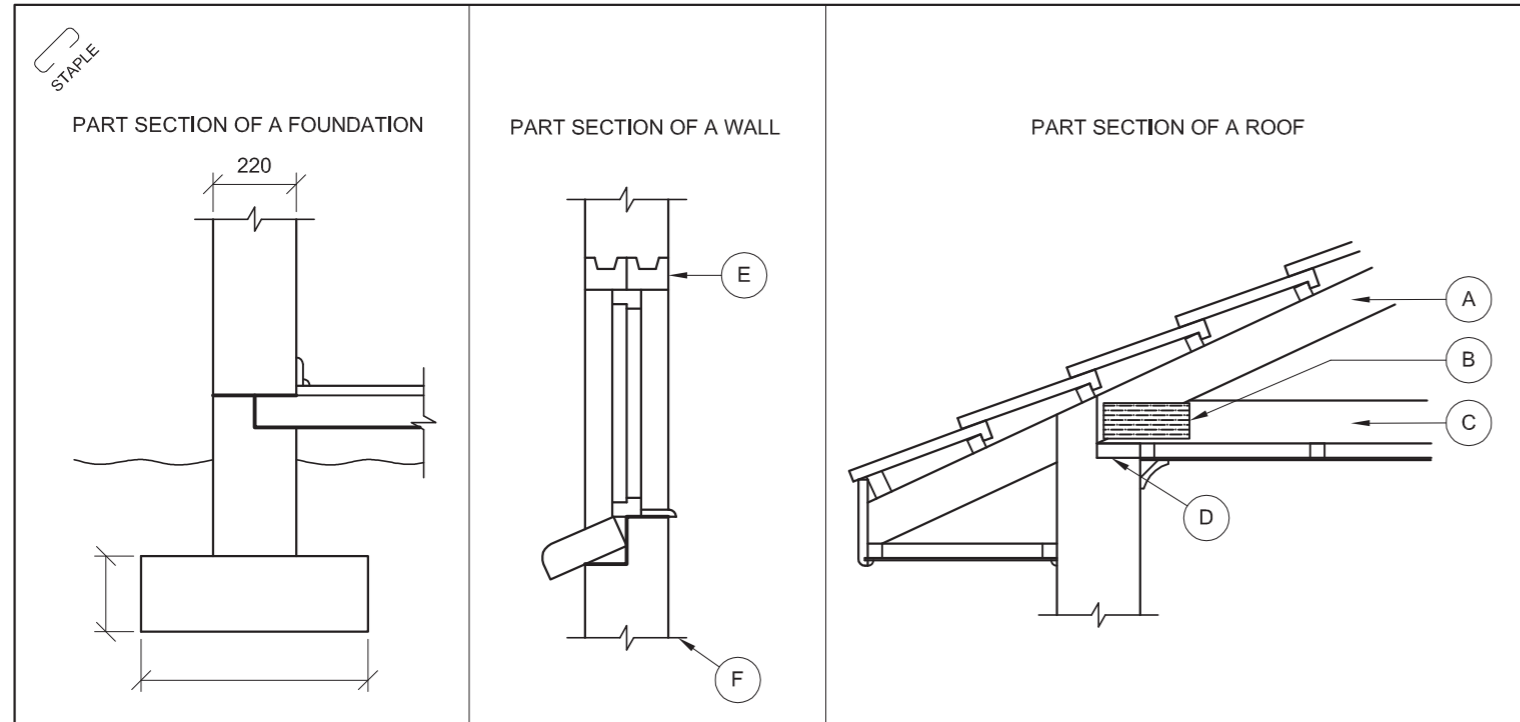
Given:
The site plan of a proposed new dwelling and outbuilding and a table of questions. The drawing is not to scale.

Instructions:
Complete the table below by neatly answering the questions, which all refer to the accompanying drawing. [27]

QUESTIONS		ANSWERS
1	Why would the site plan for the proposed new dwelling and outbuilding not be approved by the municipality?	2
2	Which stand is to the west of stand 80?	1
3	How many complete stands are shown on the site plan?	1
4	What scale is indicated for the drawing?	1
5	On what date was the site surveyed?	1
6	In which residential area is the proposed dwelling situated?	1
7	From which street is the motor vehicle access to the site?	1
8	How many rodding eyes are shown on the site plan?	1
9	What is the distance, in metres, from the municipal boundary line on Marlin Drive to the proposed new dwelling ?	1
10	What does the abbreviation IE stand for?	1
11	Name the feature at 1.	1
12	What does the line at 2 indicate?	1
13	What does the line at 3 indicate?	1
14	Name the feature at 4.	1
15	What does the line at 5 indicate?	1
16	What does the line at 6 indicate?	1
17	What does the complete feature at 7 indicate?	1
18	Determine, in metres, the difference in height between corner B and corner C of the stand.	1
19	The side of the new dwelling that faces Kingfisher Drive will be called the ____ elevation.	1
20	Determine the perimeter of the stand in metres. Show ALL calculations.	2½
21	Determine the total area of the stand in square meters. Show ALL calculations.	4½
TOTAL		27

EXAMINATION NUMBER	
EXAMINATION NUMBER	2





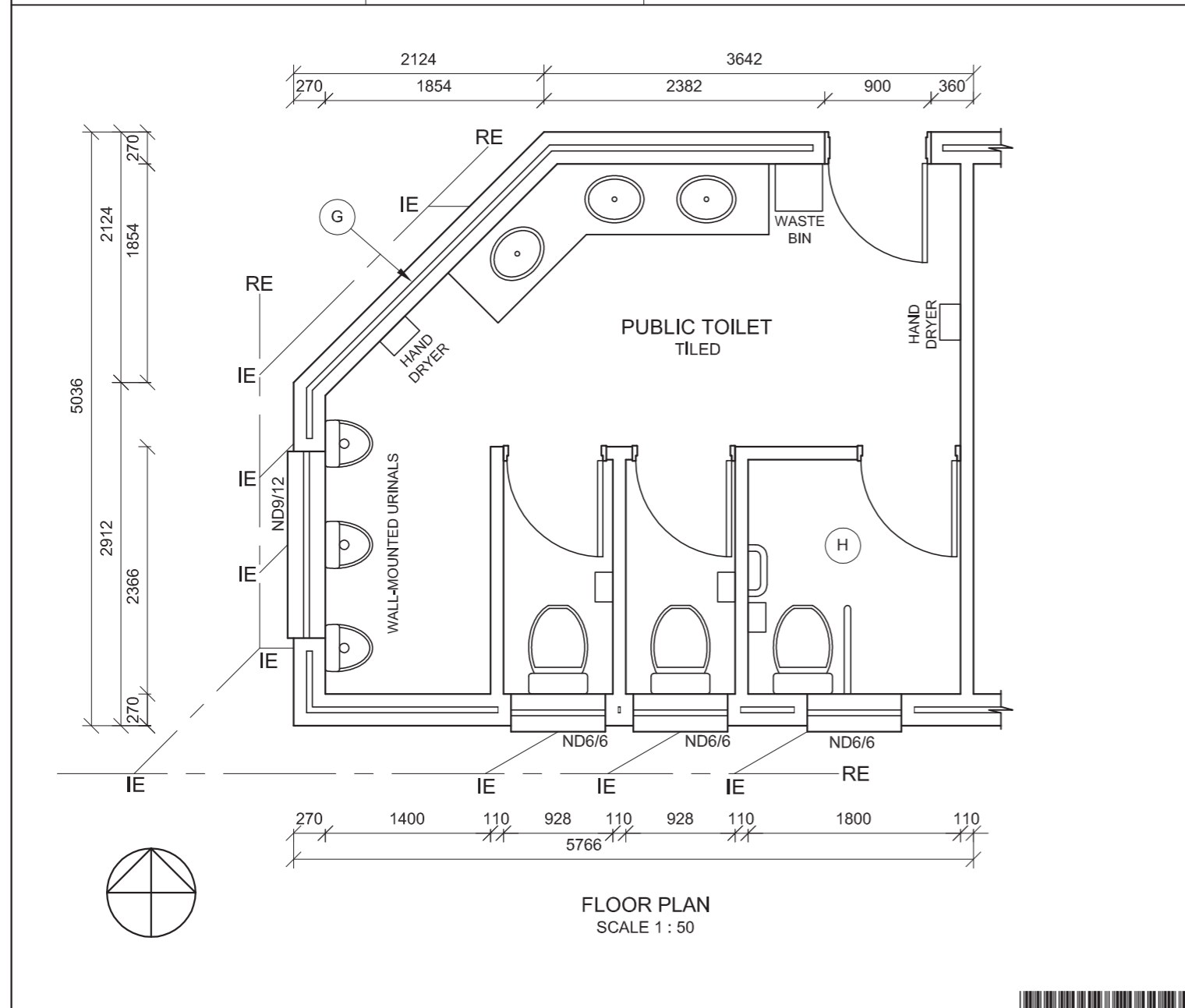
ANSWER 13

QUESTION 1: ANALYTICAL (CIVIL)

Given:
The part sections of a foundation, a wall and a roof, as well as a floor plan of a proposed new public toilet and a table of questions. The drawings are not to scale and no hatching detail is shown.

Instructions:
Complete the table below by neatly answering the questions, which all refer to the accompanying drawings and the title block. **[30]**

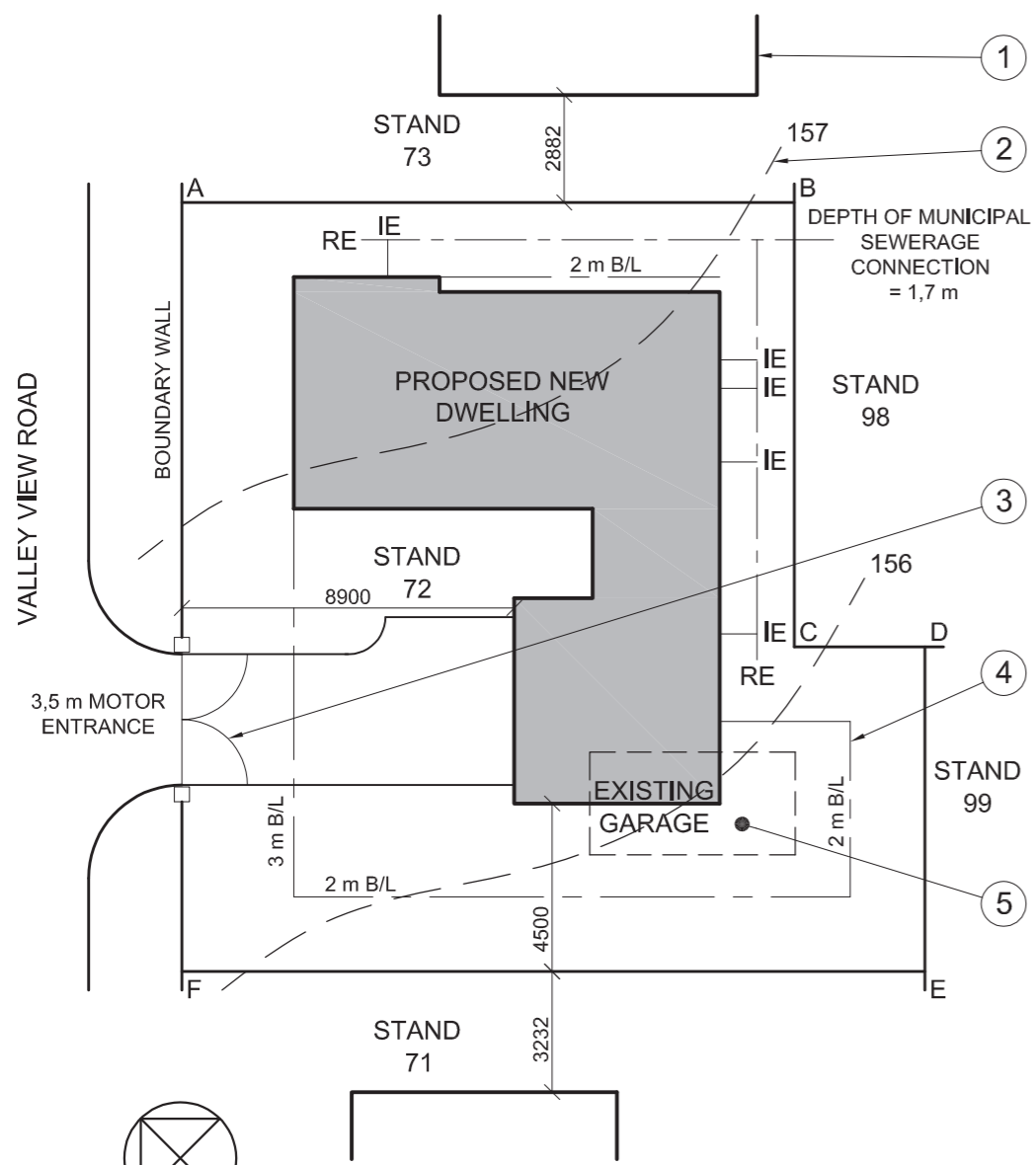
QUESTIONS		ANSWERS	
1	Label and indicate the Natural Ground Level on the part section of the foundation.		1/2
2	Label and indicate, on the part sections of the foundation and the wall, all the places where damp-proof course must be used.		1
3	Name parts A, B, C and D on the part section of the roof.	A.	1
		B.	1
		C.	1
		D.	1
4	What type of roof covering is shown on the part section of the roof?		1
5	Name part E on the part section of the wall.		1
6	What is the function of part E on the part section of the wall?		1
7	What is the function of line F on the part section of the wall?		1
8	What does the double line at G on the outside wall indicate?		1
9	Why is the area of the toilet marked H bigger than the area for the other two toilets?		1
10	How many rodding eyes are indicated on the floor plan?		1
11	What are the codes for the TWO types of windows to be used for the public toilet?		2
12	Determine the total area of the public toilet in square metres. Show ALL calculations.		4
13	In the space provided above (ANSWER 13), draw, in neat freehand, the front view of the SABS convention for a water closet (WC).		1/32
14	Draw, in neat freehand, ALL the hatching detail for the part section of the foundation.		6
15	Insert the minimum dimensions of the foundation for a load-bearing wall on the part section of the foundation.		2
TOTAL			30





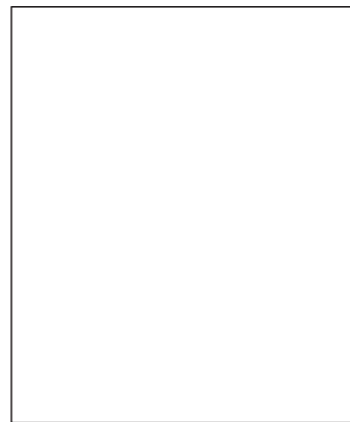
LAND SURVEYOR'S CERTIFICATE OF THE SIDE LENGTHS AND CORNER HEIGHTS OF STAND 72 AT 24 VALLEY VIEW ROAD WATERFALL SURVEYED ON 22-05-2009

LENGTHS IN METRES	HEIGHTS IN METRES
AB = 16 400	A = 157,5
BC = 11 900	B = 156,9
CD = 3 500	C = 156,3
DE = 8 700	D = 155,8
EF = 19 900	E = 155,2
FA = 20 600	F = 156,4



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

19. In the space below, draw, in neat freehand, the front view and top view of the SABS convention for a washbasin.



ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE

REVISION	DATE	DESCRIPTION

GOVENDER & SONS ARCHITECTS
12th AVENUE WATERFALL
Tel: 031 709 8943

PRINTED BY PVDW DATE OF PRINT 09-05-2009

DRAWING TITLE
SITE PLAN

PROJECT
NEW DWELLING FOR LP BARKER ON STAND 72 AT 24 VALLEY VIEW ROAD WATERFALL

PROJECT NUMBER 25-01-2009	DRAWING NUMBER Q1P1-S-2010	
REFERENCE CODE Q1P1-S-2010	DRAWN BY MARC	CHECKED BY CRAIG
SCALE 1:200	DATE 25-03-09	

QUESTION 1: ANALYTICAL (CIVIL)

Given:

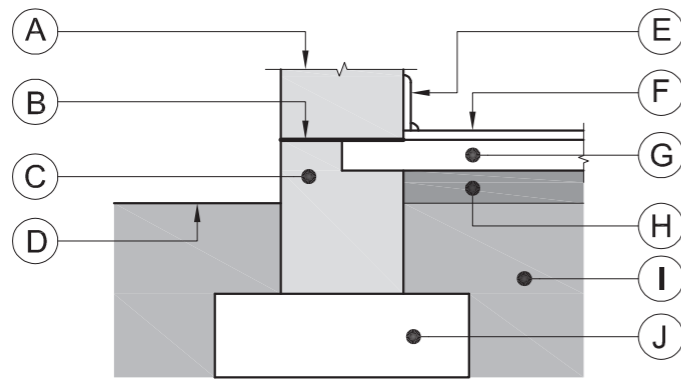
The site plan of a proposed new dwelling with a title block and a table of questions.

Instructions:

Complete the table below by neatly printing the answers to the questions which all refer to the accompanying drawings and title block. **[30]**

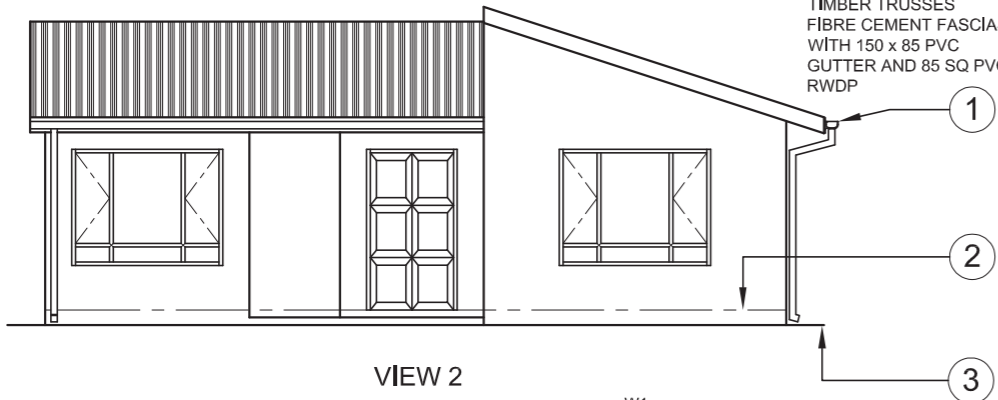
QUESTIONS		ANSWERS	
1	What is the name of the architectural firm responsible for designing the dwelling?		1
2	What scale is indicated for the drawing?		1
3	What is the reference code for the drawing?		1
4	Who checked the drawing?		1
5	How many times has the drawing been revised?		1
6	What does the line labelled 1 indicate?		1
7	What does the line labelled 2 indicate?		1
8	What does the curve labelled 3 indicate?		1
9	What does the line labelled 4 indicate?		1
10	What must happen with the existing garage labelled 5?		1
11	What is the street address of the new dwelling?		1
12	What is the stand number to the northeast of stand 72?		2
13	How far is the new dwelling from the southwestern boundary line?		2
14	What is the depth of the municipal sewerage connection?		2
15	What colour must all new concrete be on sectional elevations of presentation drawings?		2
16	What colour must all new buildings be on the site plan of presentation drawings?		1
17	Determine the total area of the stand in square metres.		3
18	If the total area of the new dwelling is 125 m ² , determine the percentage of the stand that is covered by the new dwelling.		3
19	In the space provided on the title block, draw, in neat freehand, the front view and top view of the SABS convention for a washbasin.		4
TOTAL			30

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



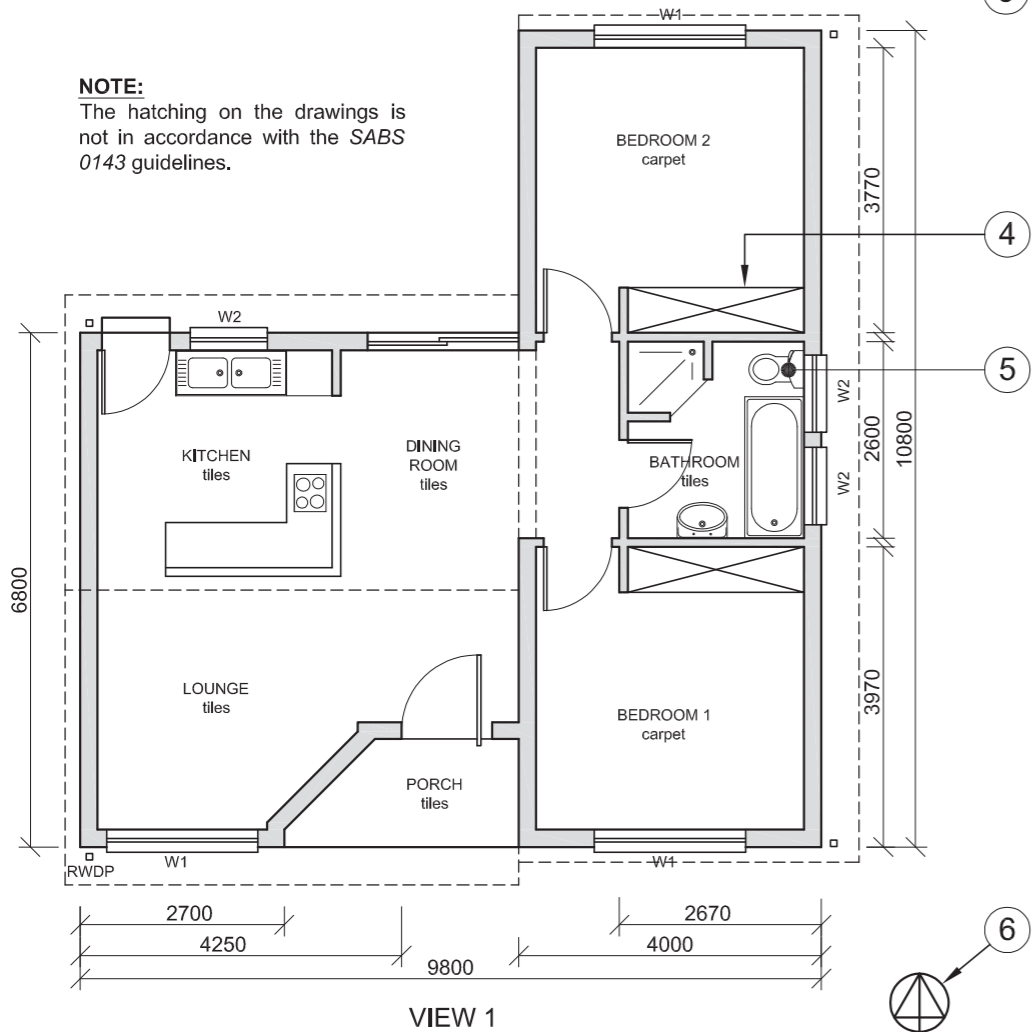
DETAILED DRAWING OF A LOAD-BEARING WALL AND FOUNDATION

ROOF NOTE:
 IBR SHEETS LAID @ 18° ON 75 x 50 PURLINS ON APPROVED WATERPROOF MEMBRANE ON 115 x 38 TIMBER TRUSSES FIBRE CEMENT FASCIAS WITH 150 x 85 PVC GUTTER AND 85 SQ PVC RWDP



VIEW 2

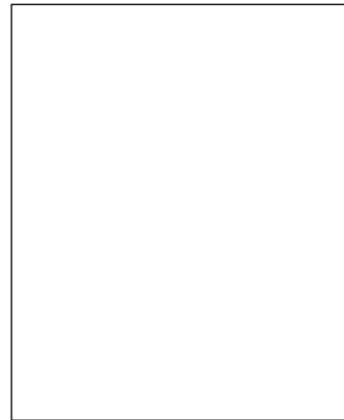
NOTE:
 The hatching on the drawings is not in accordance with the SABS 0143 guidelines.



VIEW 1

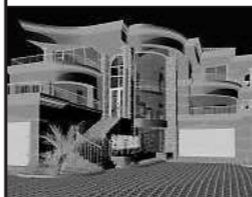
NOTE:
 Contractors must verify all dimensions and levels on site before commencing with any work. Architects to be notified immediately of any discrepancies.

15. In the space below, draw, in neat freehand, the front view and top view of the SABS convention for a BATH.



ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE



EGD ARCHITECTS
 188 SCHOEMAN STREET
 PRETORIA 0001
 Tel: 012 555 2345

REVISION 2 DATE OF REVISION 06-05-2009

PRINTED BY PVDW DATE OF PRINT 10-05-2009

REVISION DETAIL ISLAND IN KITCHEN

DRAWING TITLE
 PROPOSED NEW DWELLING FOR P MSOMI ON SUB 3 OF STAND № 49 AT 51 PLANE STREET CENTURION

PROJECT NUMBER 2009 - 351 DRAWING NUMBER

REFERENCE CODE Q1P1-N-2009 0 0 0 1 4

DATE 25-01-2009 SCALE 1:100 DRAWN BY P DIDI CHECKED BY S SMITH

QUESTION 1: ANALYTICAL (CIVIL)

Given:

The working drawings of a proposed new dwelling with a title block and a table of questions.

Instructions:

Complete the table below by neatly printing the answers to the questions which all refer to the accompanying drawings and title block. [30]

QUESTIONS		ANSWERS	
1	How many windows are shown on the plan?		1
2	What was the reason for the revision to the drawing?		1
3	What is the project number?		1
4	Who is the owner of the proposed new dwelling?		1
5	What scale has been used for the drawing?		1
6	Name the feature numbered 1.		1
7	What does the line numbered 2 indicate?		1
8	What does the line numbered 3 indicate?		1
9	Name the feature numbered 4.		1
10	What is the abbreviation for the fixture numbered 5?		1
11	What does the symbol numbered 6 indicate?		1
12	What would VIEW 1 be called?		1
13	What would VIEW 2 be called?		1
14	With reference to the detailed drawing of the load-bearing wall and foundation, match the letter on the drawing with each of the features listed.	LOAD-BEARING WALL DAMP-PROOF COURSE LINE BREAK SCREED COMPACTED HARDCORE	5
15	In the space provided in the title block, draw, in neat freehand, the front view and top view of the SABS convention for a bath.		4
16	What is the pitch (angle) of the roof?		1
17	What colour must all new window glass be on a presentation drawing?		1
18	Determine the perimeter of the dwelling in metres.		3
19	Determine the total area of the dwelling in m ² .		3
TOTAL			30

EXAMINATION NUMBER	
EXAMINATION NUMBER	2



THE SITE PLAN SHOWS ERF 8
SITUATED IN GOODWOOD

SURVEYED ON 19-02-2009

LAND SURVEYOR'S CERTIFICATE

SIDE LENGTHS

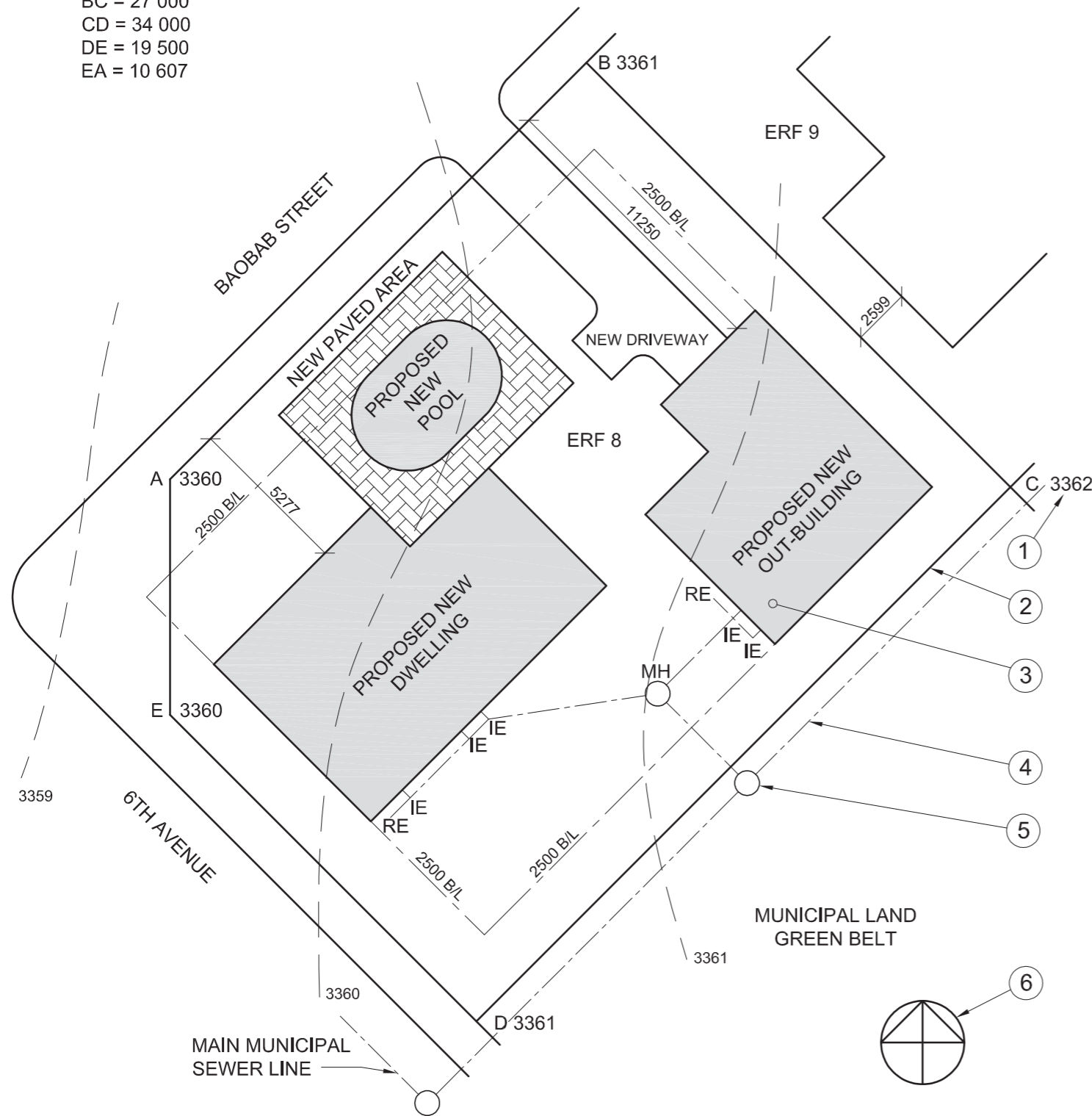
AB = 26 500

BC = 27 000

CD = 34 000

DE = 19 500

EA = 10 607



SITE PLAN
SCALE 1:250

QUESTION 1: ANALYTICAL (CIVIL)

Given:

A table of questions and the site plan of a proposed new dwelling, not to scale.

Instructions:

Complete the table below by neatly printing the answers to the questions, which all refer to the accompanying drawing. [27]

QUESTIONS		ANSWERS	
1	How many new buildings have been proposed on the stand?		1
2	What is the stand number to the northeast?		1
3	What is the scale of the drawing?		1
4	On what date was the site surveyed?		1
5	What must the building contractor place around the new pool?		1
6	What street runs along the southwestern boundary?		1
7	For what purpose has the municipality reserved the stand behind the property?		1
8	What is the distance from the municipal boundary line on 6th Avenue to the proposed new dwelling?		1
9	How many inspection eyes are there?		1
10	Name the feature at 1.		1
11	What does the line at 2 indicate?		1
12	Name the feature at 3.		1
13	What does the line at 4 indicate?		1
14	Name the feature at 5.		1
15	Name the feature at 6.		1
16	Determine, in metres, the difference in height between corner C and corner E on the stand.		2
17	Determine, in metres, the total length of the stand boundary facing the roads.		2
18	The side of the new dwelling that faces Baobab Street will be called the ____ elevation.		2
19	Determine the perimeter of the stand in metres.		3
20	Determine the total area of the stand in m ² .		3
		TOTAL 27	

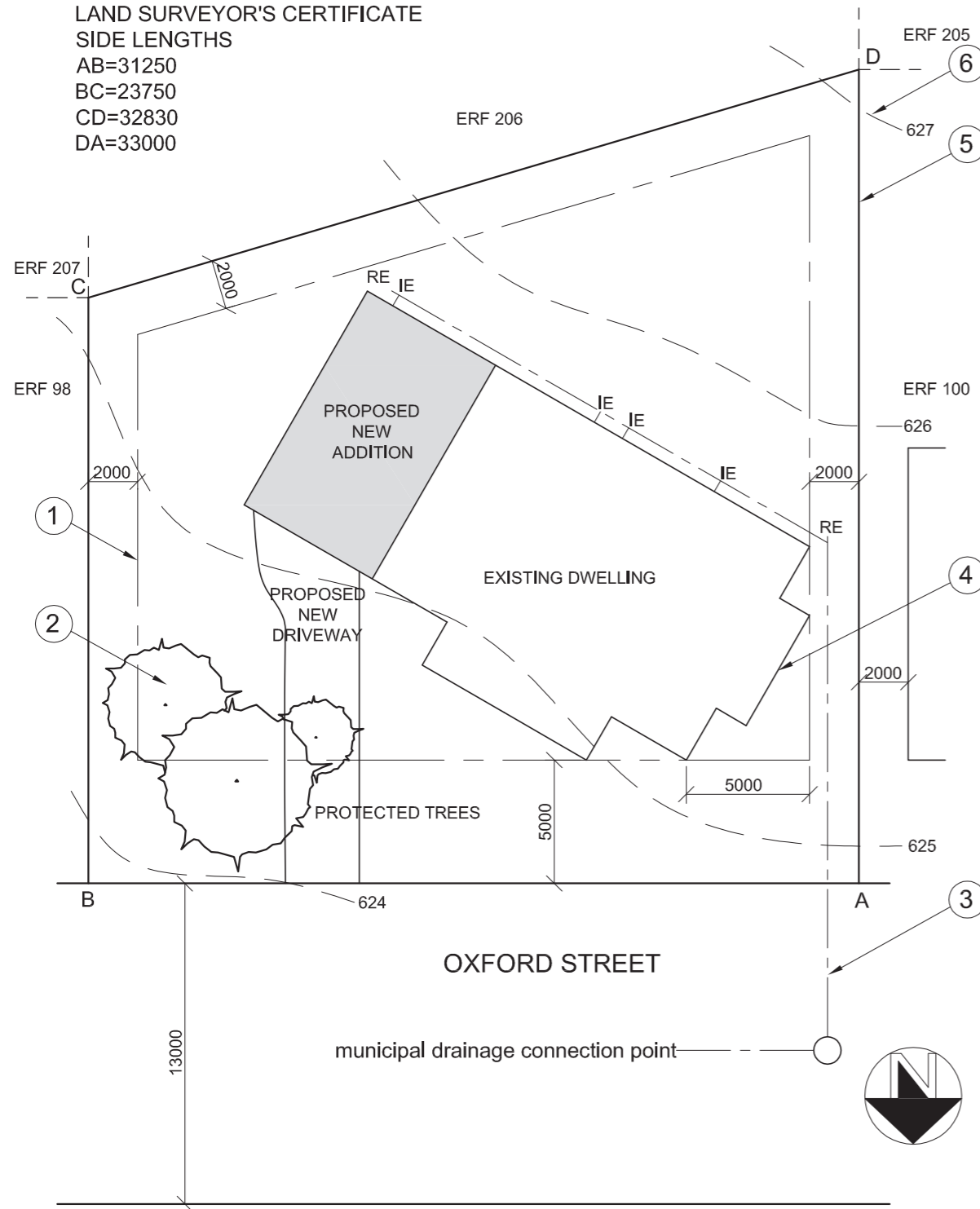
EXAMINATION NUMBER	
EXAMINATION NUMBER	2



THE SITE PLAN SHOWS ERF 99
SITUATED IN EAST LONDON

SURVEYED ON 25-09-2008

LAND SURVEYOR'S CERTIFICATE
SIDE LENGTHS
AB=31250
BC=23750
CD=32830
DA=33000



SITE PLAN
SCALE 1:200

QUESTION 1: ANALYTICAL (CIVIL)

Given:

A table of questions and a site plan of a proposed new addition to an existing dwelling.

Instructions:

Complete the table below by neatly printing the answers to the questions, which all refer to the accompanying drawing. [25]

QUESTIONS		ANSWERS	
1	What type of drawing is shown?		½
2	What is the erf number of the site?		½
3	What is the scale of the drawing?		½
4	On what date was the site surveyed?		½
5	What is the total length of the front of the erf in metres?		1
6	What SI unit is used for the dimensions?		1
7	In which South African city would you find this property?		1
8	What is the distance from the municipal boundary line on Oxford Street to the front building line of the property?		1
9	How many inspection eyes are there?		1
10	What is the feature at 1 called?		1
11	What is the feature at 2 called?		1
12	What is the feature at 3 called?		1
13	What is the feature at 4 called?		1
14	What is the feature at 5 called?		1
15	What is the feature at 6 called?		1
16	What is the height difference between corner B and corner D on the erf?		2
17	The municipality rejected the plan because of the driveway. Why?		2
18	The side of the new addition that faces Oxford Street will be called the ____ elevation.		2
19	Determine the perimeter of the erf in metres.		3
20	Determine the total area of the erf in m ² .		3
		TOTAL 25	

EXAMINATION NUMBER	
EXAMINATION NUMBER	2

STAPLE

QUESTION 1: ANALYTICAL (CIVIL)

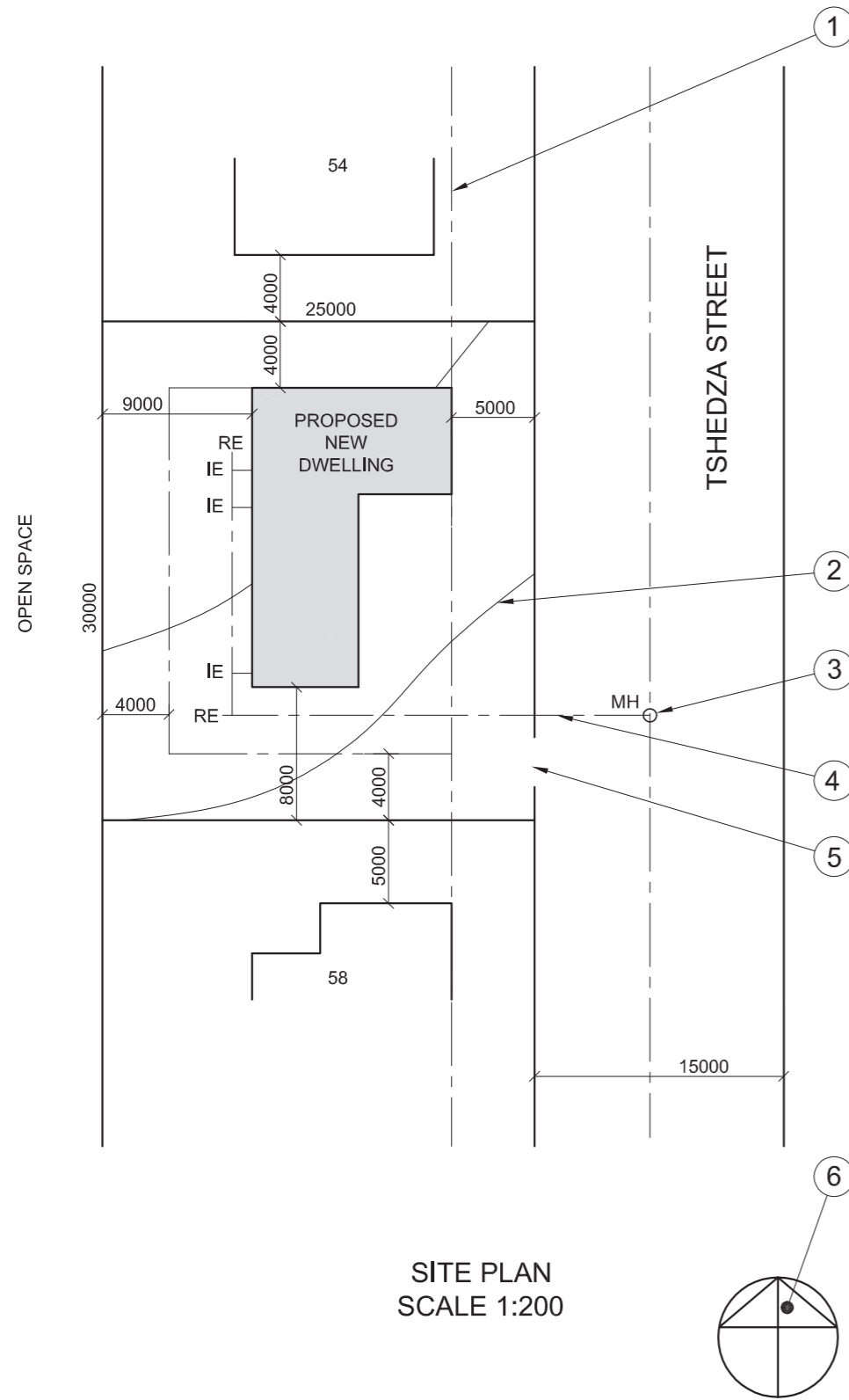
Given:

A site plan of a proposed dwelling and questions.

Instructions:

Complete the table below by answering the questions which all refer to the accompanying drawing.

[25]



QUESTIONS		ANSWERS	
1	What is the scale of the drawing?		1
2	What is the name of the street?		1
3	What is the site number of the adjacent property on the south side?		1
4	What is built on the adjacent property behind the proposed dwelling?		2
5	What colour must a proposed new dwelling be on a site plan?		1
6	What is the site number of the proposed dwelling?		1
7	What is the width of the street in metres?		1
8	What do the letters IE stand for?		1
9	What do the the letters RE stand for?		1
10	What is the feature at 1 called?		1
11	What is the feature at 2 called?		1
12	What is the feature at 3 called?		1
13	What is the feature at 4 called?		1
14	What is the feature at 5 called?		1
15	What is the feature at 6 called?		1
16	What is the distance between the proposed dwelling and the dwelling on site number 58?		2
17	What is the distance from the boundary line to the building line at the back of the property?		2
18	The side of the house that faces the road will be called the _____ elevation?		1
19	What is the total length of the dwelling in metres?		2
20	What is the total area of the site in m ² ?		2
			TOTAL 25

EXAMINATION NUMBER	
EXAMINATION NUMBER	2