SA-STUDENT

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aahh... EGD Don't You Just Love It;)





NSC Engineering Graphics and Design/P1 DBE/November 2022

	SURVEYOR'S RNER HEIGHT LENGTHS O	S AND	
	ER HEIGHTS METRES		DARY LENGTHS
Α	1600	AB	24230
В	1600	вс	8370
С	1599	CD	18380
D	1599	DE	31200
E	1601	EA	32400

SYMBOL LEGEND			
	EVERGREEN TREES		
0	BUSHES		
- - ×	2000 HIGH SECURITY FENCE		
→	1800 HIGH PALLISADE FENCE		

NI3 NIATIONAL ROAD 15 m ROAD RESERVE MH 3600 BL EXISTING SEWERAGE LINE STINKWOOD P ROPOSED NEW STAND 3414 E_XTENSION DRAWING TITLE: 1800 2 (3) 2500 BL STAND 3413 3,6 m WIDE VEHICLE ENTRY DOMBEYA STREET SITE PLAN SCALE 1:350

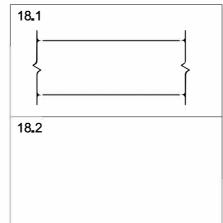
NOTE: Contractors must verify all dimensions and

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, the SANS 10143 hatching (symbol) for a (18.1) FACE BRICK WALL, and graphical symbol for a (18.2) STAIRCASE.



		3	
2	2 07/01/22 ADI		L I SA B
1	06/01/22	COLOUR NEW ADDITION RED	⊔SA B
REVISION	DATE	DESCRIPTION DI	
KOMBELLA, JOUBERT & MINNAAR ARCHITECTURAL DESIGNI 365 BORCHARDS AVENUE ERASMIA 0183 012 685 1857 www.kjmdesign.co.za			
PRINTED BY:		DATE OF PRINT:	

STEVENS PRINTERS 08/01/2022

SITE PLAN

PROJECT:

PROPOSED NEW ADDITION FOR MR N KEENAN ON STAND 3414, 21 DOMBEYA STREET, HARRISMITH

- 1						
	PROJECT NUM FTW	IBER: /2022-59	DRAWING NUMBER: 1 OF 5			
	DATE: 05/01/2022	DRAWNI: CASPER	CHECKED: ANNIE Q	SCALE: 1:350		
	REFERENCE O	ODE: -2022				
- 3						

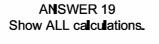
QUESTION 1: ANALYTICAL (CIVIL)

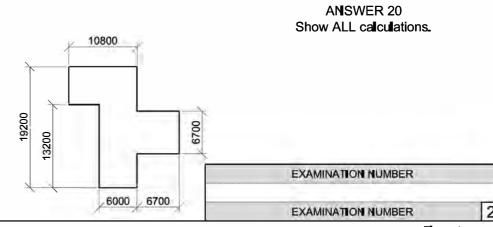
The site plan of an existing house with a proposed new extension, a title panel and a table of questions. The drawing has not been presented to the indicated scale.

Instructions:

Complete the table below by neatly answering the questions, which refer to the accompanying drawing, title panel and civil content

		QUESTIONS ANSWERS	S			
1	1	What does the number FTW2022-59 refer to?	1			
Ì	2	Who is the client?	1			
Ì	3	What is the title of the drawing?	1			
I	4	What action was taken on 08/01/2022?	1			
	5	Who was responsible for preparing the revisions to the drawing?				
	6					
ĺ	7	Whose signatures are required on the site plan?	2			
	8	How many new inspection eyes are shown on the site plan?	1			
Ī	9	What does the abbreviation RWDP stand for?	1			
	10	Which corner of STAND 3414 is the highest?	1			
ا	11	Determine the shortest distance from the proposed new extension to boundary line AB in metres.	1			
	12	What is indicated in BLUE on floor plans and/or sections?	2			
	13	Name the feature at 1.	1			
,	14	What is indicated by the arcs at 2?	1			
4	15	Name the feature at 3.	1			
1	16	What does the ratio 1:40 on the new sewerage line indicate?	1			
٦	17	Which elevation of the existing house faces the N3 national road?	2			
	18	In the space in the title panel (ANSWER 18), draw, in neat freehand, the SANS 10143 hatching (symbol) for a (18.1) FACE BRICK WALL, and graphical symbol for a (18.2) STAIRCASE.				
+	19	In the space below (ANSWER 19), determine the total length of the 1800 high pallisade fence required for STAND 3414, in metres.				
-	In the space below (ANSWER 20), determine the total area of the house, including the new extension, in square metres. Show the answer to TWO decimal places.					
Ī		TOTAL	30			





SC/NSC DBE/2022 Engineering Graphics and Design/P1

	SURVEYOR'S RNER HEIGHT LENGTHS (S AND	
	ER HEIGHTS METRES		OUNDARY THS IN METRES
Α	21	AB	117,7
В	19	вс	13,7
С	18,8	CD	115,1
D	18,8	DE	8,3
E	?	EF	88,3
F	17,3	FG	39,7
G	17,7	GA	102,8

(3)

STAND 110

STAND 108

EXISTING BUILDING

PROPOSED NEW HOSPITAL

75<u>00</u> BL

MUNCHEN STREET

SIGNAGE

WALL TO

ENGINEER'S

SPECIFICATIONS

GUARD-

HOUSE

5,8 m WIDE VEHICLE

ENTRANCE

SITE PLAN

SCALE 1:1300

SUB-

STATION

SYMBOL LEGEND:

- 1. PALM TREE
- 2. EVERGREEN TREE



NEW

WATER TANK

(5)

`22

3. BRICK **PAVING**

4. INTERNAL **FENCE**

5.2 m HIGH BOUNDARY **FENCE**

6. PARKING FOR DISABLED PEOPLE

3000 BL

5

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 SANS 10143 graphical symbol for a: 20.1 NORTH POINT 20.2 TWO-WAY SWITCH

20.1 NORTH POINT

20.2	TWO	-WAY	SWIT	ΓCI
20.2	1000	-WAY	SWII	C

1	2021-09-20	ADD PARKING FOR DISABLED PEOPLE
EVISION	DATE	DESCRIPTION

MULLER ARCHITECTS 63 ALLIANZ ROAD **NEW GERMANY**

4001 www.cart.arch.co.za 098 765 4321

PRINTED BY: DATE OF PRINT: CREATE PRINTERS 2021-09-30 (PTY) LTD

DRAWING TITLE:

SITE PLAN

PROPOSED NEW HOSPITAL FOR DR W ZULU & PARTNERS ON STAND 108, 7 MUNCHEN STREET, SYRINGER, 4002

PROJECT NUM	IBER:	DRAWING NUMBER:			
CR 2020	00401 - 7	001	- TU		
DATE:	DRAWN:	CHECKED:	SCALE:		
2021-09-13 EINSTEIN		PLATO	1:1300		
REFERENCE C	ODE:				

QUESTION 1: ANALYTICAL (CIVIL)

ANSWER 18

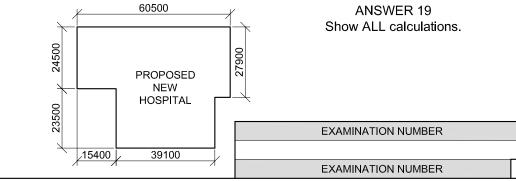
Show ALL calculations.

The site plan of a proposed new hospital, a title panel and a table of questions. The drawing has not been presented 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.

				_				
		QUESTIONS ANSWERS						
	1	What is the reference code of the drawing?	1					
1	2	What scale is indicated for the site plan?	1					
	3	With reference to the title panel, what does CR 20200401 - 7 refer to?	1					
	4	What architectural firm was responsible for the design of the new hospital?						
	5	What does the arrow on the sliding gate into Munchen Street indicate?						
	6	What does the abbreviation <i>RE</i> at 1 stand for?	1					
	7	What is the height of the boundary fence in millimetres?	1					
	8	Name the feature at 2.	1					
	9	Name the feature at 3.	1					
	10	What must happen to the existing building at 4?	1					
	11	What finish is required at 5?	1					
	12	Name the feature at 6.	1					
	13	What does the symbol at 7 indicate?	1					
DR LE	14	What is the shortest distance from the proposed new hospital building to boundary line AB in metres?	2					
	15	What colour is used to represent new wood on sectional elevations and floor plans?	1					
	16	What is the height of corner E in metres?	2					
za	17	Which elevation of the proposed new hospital entrance faces Dortmund Avenue?	2					
	18	In the space below (ANSWER 18), determine the perimeter of STAND 108 in metres.	3					
	19	In the space below (ANSWER 19), determine the total area of the proposed new hospital building in square metres.	3					
	20	In the space provided in the title panel (ANSWER 20), draw, in neat freehand, the SANS 10143 graphical symbol for a: (20.1) NORTH POINT and (20.2) TWO-WAY SWITCH.	4					
	TOTAL :							



20

2

(1)

DETAIL

(Jr

(7)

NEW 1,5 m

PEDESTRIAN

PAVEMENT

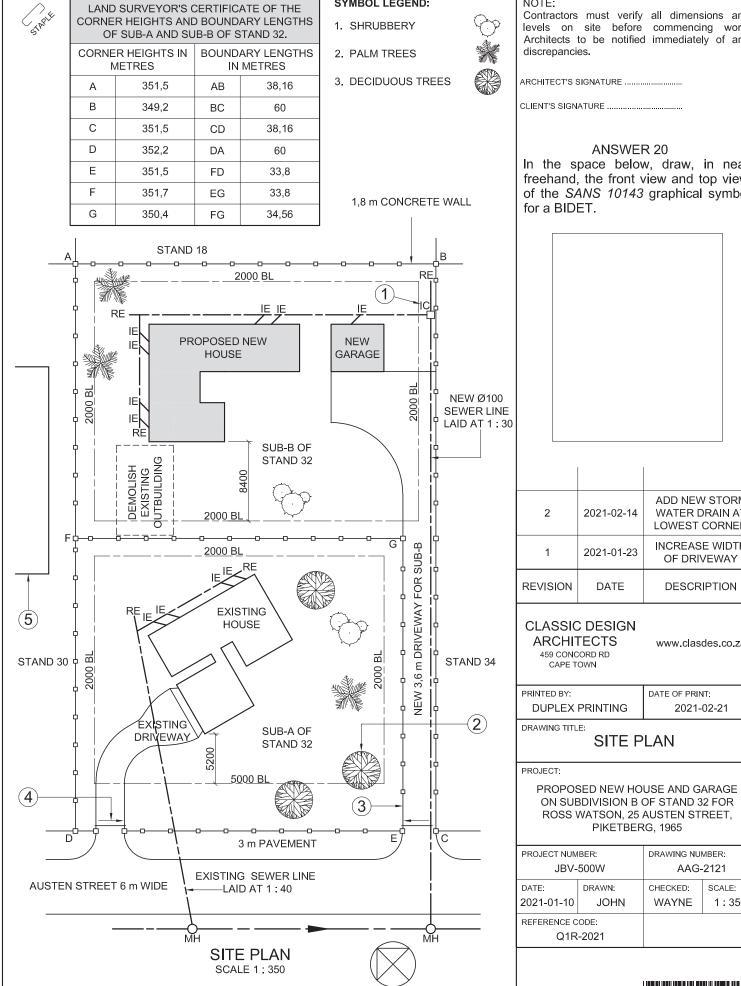
WITH

ASPHALT

FINISH

MAIN STREE

NSC Engineering Graphics and Design/P1 DBE/November 2021



NOTE:

SYMBOL LEGEND:

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

2021-02-14

2021-01-23

DATE

SITE PLAN

ROSS WATSON, 25 AUSTEN STREET, PIKETBERG, 1965

JBV-500W

Q1R-2021

DRAWN

JOHN

DRAWING NUMBER

CHECKED:

WAYNE

AAG-2121

SCALE:

1:350

In the space below, draw, in near freehand, the front view and top view of the SANS 10143 graphical symbo for a BIDET.

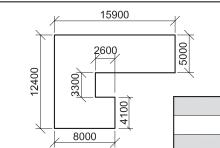
QUESTION 1: ANALYTICAL (CIVIL)

The site plan of newly subdivided STAND 32 with new boundary and building lines as well as a proposed new house and garage, a title panel and a table of questions. The drawing is not presented to the indicated scale.

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

R 20					
v, draw, in neat riew and top view		QUESTIONS ANSWERS			
graphical symbol	1	What is the project number?	1		
	2	Who prepared the drawing?	1		
	3	What is the date of the first revision?	1		
	4	Name the company that printed the drawing.	1		
	5	What size pipe is used for the new sewer line?	1		
	6	What does the abbreviation IC at 1 stand for?	1		
	7	What type of tree is indicated at 2?	1		
	8	Name the constructed feature at 3.	1		
	9	What is indicated by the arrow at 4?	1		
	10	Name the feature at 5.	1		
	11	How many inspection eyes are there on the proposed new house?	1		
ADD NEW STORM	12	In what colour should drain and soil pipes be indicated on drainage installation drawings?	1		
WATER DRAIN AT LOWEST CORNER	13	With reference to the building regulations, why should the existing outbuilding be demolished now?	2		
INCREASE WIDTH OF DRIVEWAY	14	What is the fall of the existing sewer line?	1		
DESCRIPTION	15	What is the shortest distance from the existing house to Austen Street in metres?	2		
www.clasdes.co.za	16	With reference to the second revision, closest to which corner of SUB-B of STAND 32 should a new stormwater drain be placed?	1		
DATE OF PRINT:	17	With reference to the north point, what is the direction of flow of the municipal sewer line?	2		
2021-02-21	18	In the space below (ANSWER 18), determine the perimeter of SUB-B of STAND 32, including the new driveway, in metres.			
LAN	. 19	In the space below (ANSWER 19), determine the total area of the proposed new house in square			
JSE AND GARAGE DF STAND 32 FOR	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 BIDET.	4		
AUSTEN STREET, G, 1965		TOTAL	30		
					$\overline{}$

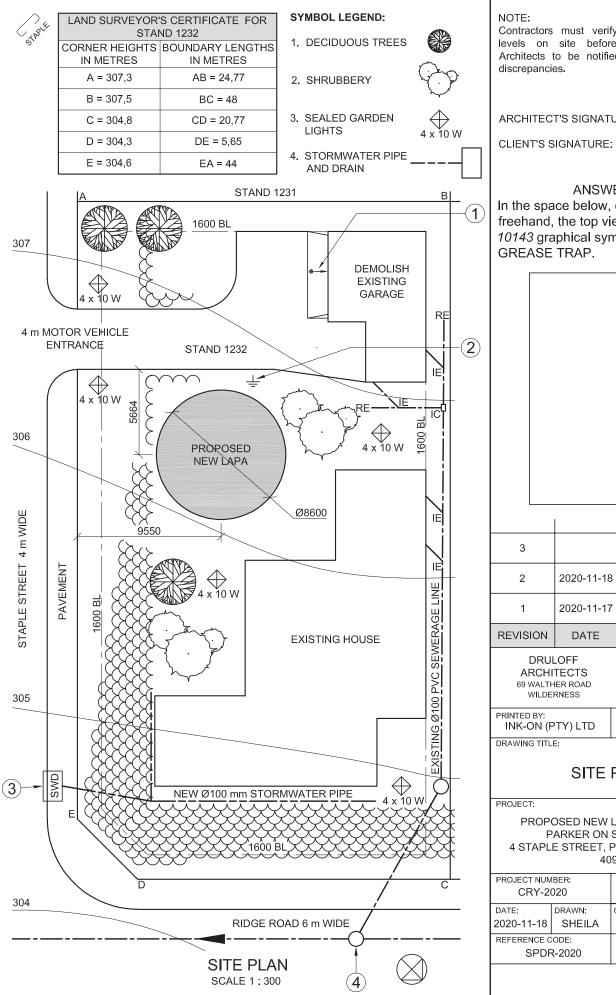
ANSWER 18. Show ALL calculations.



ANSWER 19. Show ALL calculations.

EXAMINATION NUMBER EXAMINATION NUMBER

SC/NSC Engineering Graphics and Design/P1 DBE/2021



NOTE:

3

2

2020-11-18

2020-11-17

DATE

DRULOFF ARCHITECTS

69 WALTHER ROAD WILDERNESS

INK-ON (PTY) LTD

PROJECT NUMBER:

CRY-2020

SPDR-2020

DRAWN:

SHEILA

SITE PLAN

PROPOSED NEW LAPA FOR PETER PARKER ON STAND 1232, 4 STAPLE STREET, PLETTENBERG BAY, 4091

DRAWING NUMBER:

CHECKED:

CRISPIN

8225

SCALE:

1:300

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

ARCHITECT'S SIGNATURE:

ANSWER 20

In the space below, draw, in neat freehand, the top view of the SANS 10143 graphical symbol for a GREASE TRAP.

QUESTION 1: ANALYTICAL

Given:

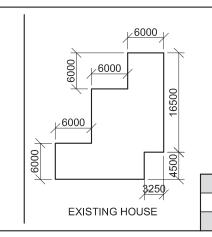
The site plan of an existing house with a proposed new lapa, a title panel and a table of questions. The drawing is not presented to the indicated scale.

Instructions:

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

Έ	ER 20		QUESTIONS ANSWERS		
	draw, in neat w of the SANS	1	What was Sheila responsible for?	1	
	bol for a	2	Who printed the drawing?	1	
		3	What is the date of the second revision?	1	
		4	What scale is indicated for the drawing?	1	
		5	What is the web address of the architectural firm?	1	
		6	How wide is Ridge Road in millimetres?	1	
		7	In which street is the main access to STAND 1232?	1	
		8	How many sealed garden lights are shown on STAND 1232?	1	
		9	In which two metric units are the dimensions on the site plan indicated?	2	
		10	How should the garage have been presented to show that it has to be demolished?	1	
		11	What does the arrow at 1 indicate?	1	
_		12	Name the symbol at 2.	1	
		13	What does the abbreviation SWD at 3 stand for?	1	
		14	What is the abbreviation for the sewerage feature at 4?	1	
;	ADD STORMWATER PIPE AND DRAIN	15	What colour could be used to indicate new steel work on elevations?	1	
,	REMOVE GARAGE	16	Which elevation of the existing house faces Staple Street?	2	
	DESCRIPTION	17	What is the fall of STAND 1232 from corner A to corner D in metres?	2	
		18	In the space below (ANSWER 18), determine the perimeter of STAND 1232 in metres.	3	
	www.druloffarch.co.za 043 445 0883	19	In the space below (ANSWER 19), determine the total area of the existing house in square metres. Round off the answer to TWO decimal places.	4	
	DATE OF PRINT: 2020-12-28	20	In the space in the title panel (ANSWER 20), draw, in neat freehand, the top view of the SANS 10143 graphical symbol for a GREASE TRAP.	3	
_	οι ΔΝΙ		TOTAL	30	

ANSWER 18 Show ALL calculations.



ANSWER 19 Show ALL calculations.

EXAMINATION NUMBER

SC/NSC Engineering Graphics and Design/P1 DBE/November 2020

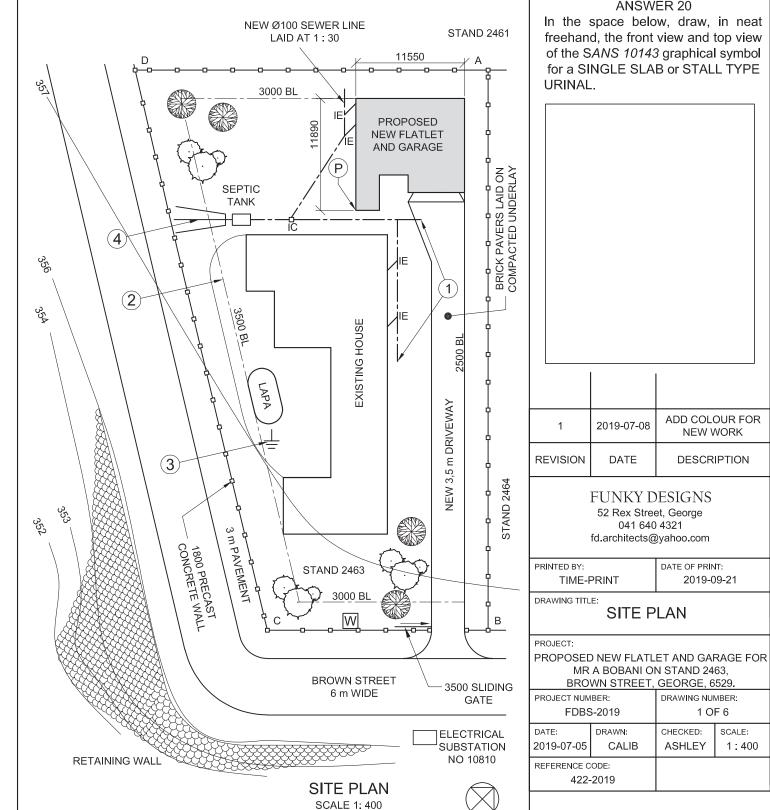
STAPLE	CORNER HEIGHTS AND BOUNDARY LENGTHS OF STAND 2463 IN METRES						
	Α	357,5	AB	59,5			
	В	356,7	вс	23,45			
	С	356,3	CD	61,15			
	D	357,1	DA	37,5			

SYMBOL LEGEND:

DECIDUOUS TREES



DRAIN FIELD



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 SLAB or STALL TYPE

URINAL.

2019-07-08

DATE

TIME-PRINT

FDBS-2019

422-2019

DRAWN:

CALIB

FUNKY DESIGNS

52 Rex Street, George

041 640 4321 fd.architects@yahoo.com

SITE PLAN

MR A BOBANI ON STAND 2463,

BROWN STREET, GEORGE, 6529.

DRAWING NUMBER:

CHECKED:

ASHLEY

1 OF 6

SCALE:

1:400

QUESTION 1: ANALYTICAL (CIVIL)

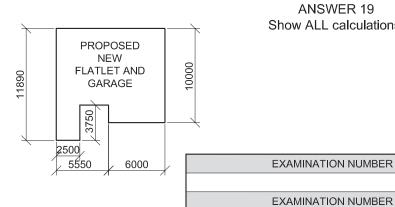
The site plan of an existing house and a proposed new flatlet and garage, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

QUESTIONS ANSWERS				
1	What is the reference code of the drawing?		1	
2	Who is the client?		1	
3	On what date was the drawing printed?		1	
4	How many signatures are required?		1	
5	How many stands border STAND 2463?		1	
6	What is the number of the electrical substation?		1	
7	What does the abbreviation IC stand for?		1	
8	What is the height of the precast concrete wall in metres?		1	
9	What is the abbreviation of the component that you will find at 1?		1	
10	What is the colour that must be added to new work, as indicated in the revision?		1	
11	What does the chain line at 2 indicate?		1	
12	Name the symbol at 3.		1	
13	Name the feature at 4.		1	
14	What is the fall of the new sewer line?		1	
15	Which elevation of the existing house faces the new flatlet?		2	
16	What is the total height of the retaining wall in metres?		2	
17	Determine the distance from boundary AD to the reference corner P on the proposed new flatlet in metres.		2	
18	In the space below (ANSWER 18), determine the total length of the precast concrete fence in metres.			
19	In the space below (ANSWER 19), determine the total area of the proposed new flatlet and garage in square metres. Round the answer off to TWO decimal places.			
20			4	
		TOTAL	30	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 What is the reference code of the drawing? 2 Who is the client? 3 On what date was the drawing printed? 4 How many signatures are required? 5 How many stands border STAND 2463? 6 What is the number of the electrical substation? 7 What does the abbreviation <i>IC</i> stand for? 8 What is the height of the precast concrete wall in metres? 9 What is the abbreviation of the component that you will find at 1? 10 What is the colour that must be added to new work, as indicated in the revision? 11 What does the chain line at 2 indicate? 12 Name the symbol at 3. 13 Name the feature at 4. 14 What is the fall of the new sewer line? 15 Which elevation of the existing house faces the new flattlet? 16 What is the total height of the retaining wall in metres? 17 Determine the distance from boundary AD to the reference corner P on the proposed new flattlet in metres. 18 In the space below (ANSWER 18), determine the total length for the space below (ANSWER 19), determine the total area of square metres. Round the answer off to TWO decimal places. In the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title panel (ANSWER 20), draw, in neat find the space in the title	What is the reference code of the drawing? Who is the client? On what date was the drawing printed? How many signatures are required? How many stands border STAND 2463? What is the number of the electrical substation? What does the abbreviation IC stand for? What is the height of the precast concrete wall in metres? What is the abbreviation of the component that you will find at 1? What is the colour that must be added to new work, as indicated in the revision? What does the chain line at 2 indicate? Name the symbol at 3. Name the feature at 4. What is the fall of the new sewer line? What is the total height of the retaining wall in metres? Determine the distance from boundary AD to the reference corner P on the proposed new flatlet in metres. In the space below (ANSWER 18), determine the total length of the precast concrete fence in metres. 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 SINGLE SLAB or STALL TYPE URINAL.	

ANSWER 18 Show ALL calculations.



ANSWER 19 Show ALL calculations.

Engineering Graphics and Design/P1 NSC DBE/November 2019

LAND SURVEYOR'S CERTIFICATE OF THE CORNER HEIGHTS AND

BOUNDARY LENGTHS OF STAND 2045, SURVEYED ON 2018-09-17				
CORNER HEIGHTS IN METRES	BOUNDARY LENGTHS IN METRES			
A = 876,0	AB = 16,06			
B = 876,1	BC = 7,05			
C = 876,0	CD = 23,36			
D = 876,3	DE = 26,41			
E = 876,3	EF = 18,07			
F = 876,4	FG = 53,16			
G = 876,4	GA = 47,69			

SYMBOL LEGEND:

1. DECIDUOUS TREES

2. SHRUBBERY

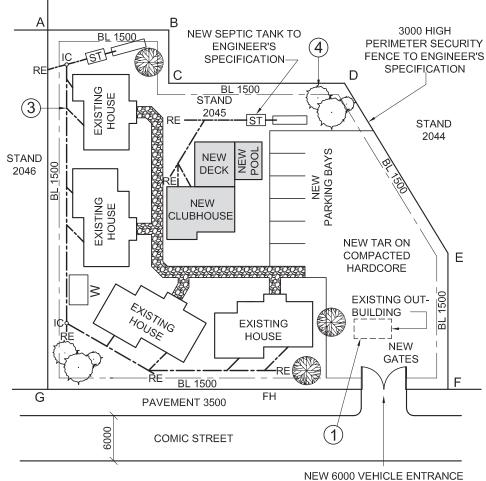


4. GRAVEL PATHWAY



3. FRENCH DRAIN

AMUSEMENT PARK



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 below, draw, in neat freehand and according to the SANS 10143, the front view and top view of the graphical symbol for a SINGLE WALL-MOUNTED URINAL.

	3	2018-12-	20	ADD SWING GATES	
	2	2018-11-	18	ADD SEWER LINES	
	1 2018-1		17	REMOVE DECIDUOUS TREE	
	REVISION	DATE	/	DESCRIPTION	
	CREATIVE ARCHITECTS 777 BEREA ROAD DURBAN			www.c-arch.co.za 031 334 9762	
-	PRINTED BY: KRYPTON PTY (LTD) DRAWING TITLE:		DA	TE OF PRINT: 2018-12-28	

SITE PLAN

PROPOSED CLUBHOUSE, DECK, POOL AND PARKING AREA FOR LOIS CHALET ON STAND 2045, 4 COMIC STREET, DURBAN, 4091

PROJECT NUMBER:		DRAWING NUMBER:		
FLY-2018		1818		
DATE:	DRAWN:	CHECKED:	SCALE:	
2018-11-18 CLARK		KENT	1:500	
REFERENCE CODE:				
SMAN	N-2018			

QUESTION 1: ANALYTICAL (CIVIL)

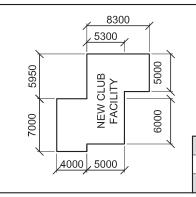
The site plan of an existing housing development with a proposed new club facility, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

	-	1991								
		QUESTIONS ANSWERS								
-1	1	Who prepared the drawing?	1							
at 'S	2	What is the drawing number?	1							
of .E	3	What company printed the drawing?	1							
.⊏	4	On what date was the last revision made?	1							
	5	What must the contractors do before commencing with any work?	1							
	6	What is the finish on the pathway?	1							
	7	How wide is the new entrance to STAND 2045 in metres?	1							
	8	What is the STAND number of the amusement park?	1							
	9	What colour is used to represent new sewer lines on a drainage plan?	1							
	10	What does the abbreviation BIC stand for?	1							
	11	What does the broken line at 1 indicate?	1							
	12	What does the symbol at 2 indicate?	1							
	13	What is the abbreviation of the component that you find at the junction at 3?	1							
	14	Name the feature at 4.	1							
IES	15	What are the final two components of the sewerage system?	2							
ΞE	16	Which elevation of the clubhouse faces Comic street?	1							
N	17	What features make up the new club facility?	3							
1	18	In the space below (ANSWER 18), determine the total length of the perimeter of STAND 2045 in metres.	3							
	19	In the space below (ANSWER 19), determine the total area of the new club facility in square metres.	3							
	20	In the space in the title panel (ANSWER 20), draw, in neat freehand, and according to the the SANS 10143, the front view and top view of the graphical symbol for a SINGLE WALL-MOUNTED URINAL.	4							
	TOTAL									

ANSWER 18 Show ALL calculations.



ANSWER 19 Show ALL calculations.

EXAMINATION NUMBER

Engineering Graphics and Design/P1 SC/NSC



	S CERTIFICATE OF EYED ON 2017-08-31
BOUNDARY LENGTHS IN METRES	CORNER HEIGHTS IN METRES
AB = 22,36	A = 1603
BC = 30	B = 1602
CD = 20	C = 1598
DA = 40	D = 1600

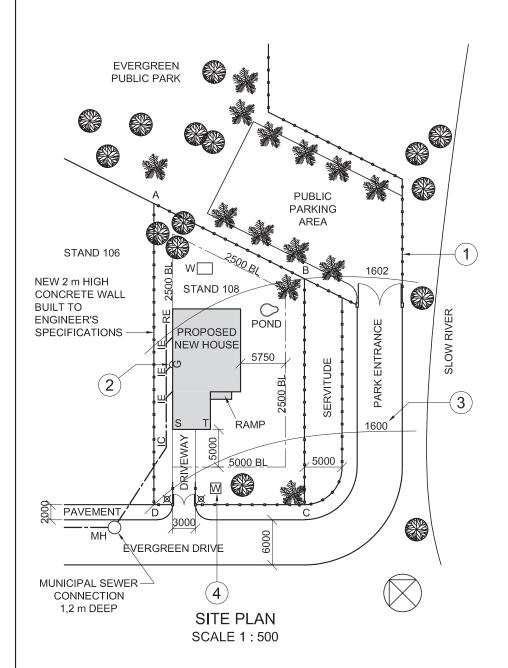
GENERAL NOTES:

- NEW DRIVEWAY LAID ON WELL-COMPACTED HARDCORE WITH A 80 mm ASPHALT FINISH
- SLOW RIVER IS A NON-PERENNIAL RIVER (DOES NOT FLOW THE ENTIRE YEAR)

SYMBOL LEGEND:

- 2,5 m HIGH LAMP POSTS
- PALM TREES
- DECIDUOUS TREES
- CONCRETE WALL





NOTE:

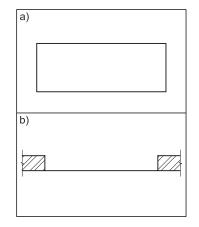
Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies.

ARCHITECT'S SIGNATURECLIENT'S SIGNATURE

ANSWER 20

In the space below, complete, in neat freehand and according to the SANS 10143:

- a) The plan view of the ramp, with a gradient of 1 : 10 and the lowest point on the right
- b) The plan view of a sliding door between the given walls



2	2018/05/13	MOVE LAMP POSTS
1	2018/01/18	ADD NEW BOUNDARY WALLS
REVISION	DATE	DESCRIPTION

BAYERN
ARCHITECTS
108 MUNICH DRIVE
NEW GERMANY
© 031 108 1080

PRINTED BY: DATE OF PRINT:
EXPRESS PRINT 2018-08-25

DRAWING TITLE:

SITE PLAN

PROJECT:

PROPOSED NEW HOUSE FOR THOMAS ZONDO ON STAND 108, EVERGREEN DRIVE, REEDSVILLE, 2080

PROJECT NUMBER:		DRAWING NUMBER:		
YG/-2018		CE 1-	-01-DV	
DATE: DRAWN:		CHECKED:	SCALE:	
2018-01-13	DIANNE	VANESSA	1:500	
REFERENCE CODE:				
X5-	2018			

QUESTION 1: ANALYTICAL (CIVIL)

iven:

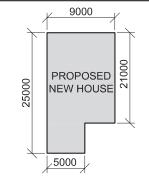
The site plan of a proposed new house, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

t S		QUESTIONS ANSWERS				
	1	Who checked the drawing?		1		
t	2	What is the stand number of the proposed new house?		1		
r	3	What is the project number?		1		
	4	How wide is Evergreen Drive in metres?		1		
	5	How deep is the municipal sewerage connection in metres?		1		
	6	How many inspection eyes are on the drawing?		1		
	7	How many deciduous trees are on STAND 108?		1		
	8	How high are the lamp posts in millimetres?		1		
	In what colour could proposed new work be indicated on a site plan?					
	10	What does the abbreviation IC stand for?		1		
	Other than trees, what other natural feature is shown on the site plan?			1		
	12	Name the feature at 1.		1		
	13	Name the feature at 2.				
	14	What does the number at 3 indicate?		1		
s	15	Name the feature at 4.		1		
3	16	What is the shortest distance from wall ST on the proposed new house to Evergreen Drive in metres?		1		
	17	Which elevation of the proposed new house faces the entrance to the property?		2		
	18	In the space below (ANSWER 18), determine the perimeter of the prop	osed new house in metres.	3		
	19	In the space below (ANSWER 19), determine the total area of STAND	108 in square metres.	3		
	20	In the space in the title panel (ANSWER 20), complete, in neat freehand and according to the <i>SANS 10143:</i> a) The plan view of the ramp, with a gradient of 1 : 10 and the lowest point on the right b) The plan view of the sliding door between the given walls				
			TOTAL	30		
ANSWED 19 9000 ANSWED 10						\dashv

ANSWER 18 Show ALL calculations.



ANSWER 19 Show ALL calculations.

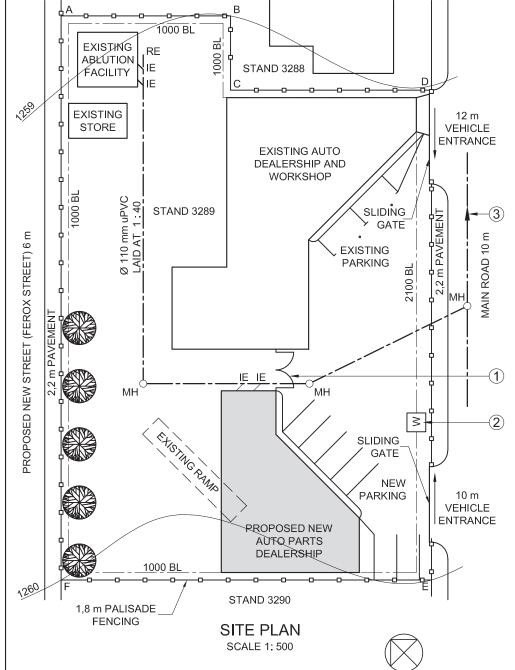
EXAMINATION NUMBER

EXAMINATION NUMBER

DBE/2019

Engineering Graphics and Design/P1 NSC DBE/November 2018

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.

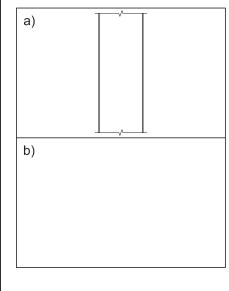
ARCHITECT'S SIGNATURE:

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



REVISION	DATE	DESCRIPTION		
FRESH DESIGNS				

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

 PRINTED BY:
 DATE OF PRINT:

 I-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:		DRAWING NUMBER:		
FDBS-2018		1 OF 7		
DATE: DRAWN:		CHECKED:	SCALE:	
2018-04-05	MP	CIC	1:500	
REFERENCE CODE:				
Q1P1-2018				

QUESTION 1: ANALYTICAL (CIVIL)

Given:

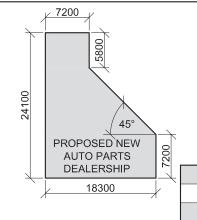
The site plan of an existing auto dealership and workshop with a proposed new auto parts dealership, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

	QUESTIONS ANSWERS	S	
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 SANS 10143 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	

ANSWER 20 Show ALL calculations.



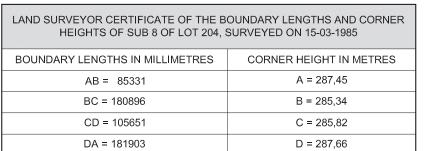
ANSWER 21 Show ALL calculations.

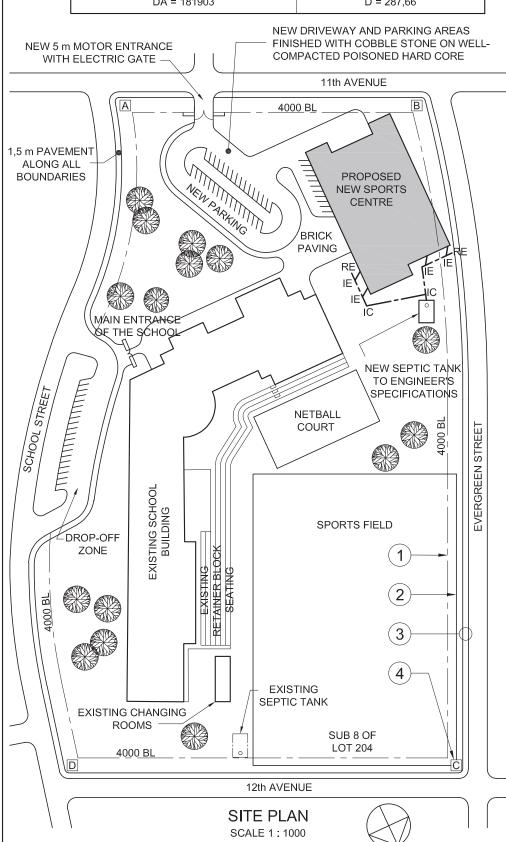
EXAMINATION NUMBER

EXAMINATION NUMBER 2

Please turn over

Engineering Graphics and Design/P1 SCE DBE/2018





NOTES:

- Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies.
- 2. All civil work must be signed off by a qualified engineer.
- 3. All new finishes to match existing finishes
- 4. 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.

A 6 OCTOBER VOEG HEKKE BY REVISION DATE DESCRIPTION

KILA ARCHITTECTS

9 MAIN ROAD QUEENSTOWN 8 083 792 2092

kla@hotmail.com

PRINTED BY DATE OF PRINT
TRUE PRINT 2017-10-17

SITE PLAN

PROJECT

DRAWING TITLE

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	SCALE
	2017-04-13	BENNY	SOPHIE	1:1000
	REFERENCE CODE			
	Q1P1-J2018			

QUESTION 1: ANALYTICAL (CIVIL)

Given:

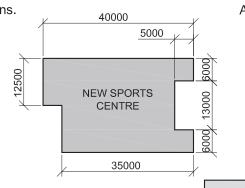
The site plan of an existing school with a proposed new sports centre and parking, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

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

		QUESTIONS	ANSWERS			
	1	What scale is indicated for the drawing?		1	П	
	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		
SY I	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 patterns.	proposed new sports centre in square	3		
	20	In the space provided in the title panel (ANSWER 20), draw, in nea SANS 10143 graphical symbol for a DOUBLE SINK UNIT.	t freehand, the top view of the	4		
_			TOTAL	30		

ANSWER 18: Show ALL calculations.



ANSWER 19: Show ALL calculations.

EXAMINATION NUMBER

EXAMINATION NUMBER

Please turn over

Engineering Graphics and Design/P1 NSC DBE/November 2017

CORNER HEIGHTS AND BOUNDARY LENGTHS IN METRES				
А	137,38	AB	143,56	
В	134,67	вс	223,91	
С	133,5	CD	143,89	
D	136	DA	223,87	

EXISTING 2 x 70 CUBIC LITRE UNDERGROUND FUEL

/ 30000

EXISTING WAREHOUSE

PROPOSED NEW

GUARD HOUSE

GENERAL NOTES:

ALL NEW DRIVEWAYS AND

A 50 mm ASPHALT FINISH

PARKING AREAS LAID ON WELL-

COMPACTED HARDCORE WITH

SITE PLAN

SCALE 1:1500

EXISTING GUARD

HOUSE

STORAGE TANKS

4 m TRUCK ENTRANCE

2000 KVA ELECTRICAL SUBSTATION No. 8789

DRIVE

MOTOR VEHICLE ENTRANCE

SYMBOL LEGEND:

STAND 7391

REFUELLING POINT

STAND 7392

NEW STAFF PARKING

PROPOSED NEW LOGISTICS

CENTRE

NEW PUBLIC PARKING

STAND 7393

MUNICIPAL SEWER-CONNECTION 1,2 m DEEP

LMH

(2)

- 1. 25 m HIGH LAMP POSTS SPACED MAXIMUM 50 m c/c
- 2. EXISTING PALM TREES
- 3. NEW DECIDUOUS TREES



50-YEAR FLOOD

ORANGE RIVER

NOTE:

discrepancies.

ARCHITECT'S SIGNATURE ..

CLIENT'S SIGNATURE .

10500 BL

ANSWER 20 In the space below, draw, in near freehand, the front view and top view of the SANS 10143 graphical symbol for a WASHTUB.

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

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

3D STUDIO ARCHITECTS 1024 FOREST DRIVE ISIPINGO **2** 031 555 2792

PRINTED BY	DATE OF PRINT
FAST PRINT	2017-01-28
DRAWING TITLE	•

SITE PLAN

PROJECT

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

QUESTION 1: ANALYTICAL (CIVIL)

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.

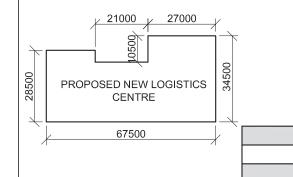
Complete the table below by neatly answering the questions which refer to the accompanying drawing and title panel.

	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	d in metres.	3	
19	In the space below (ANSWER 19), determine the total area of the proposquare metres.	osed new logistics centre in	3	
20	In the space in the title panel (ANSWER 20), draw, in neat freehand, the SANS 10143 graphical symbol for a WASHTUB.	e front view and top view of the	4	
		TOTAL	30	

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

PROJECT NUM	MBER	DRAWING NUM	/BER	
SSA/FS	S/-2015	LF 5-10-BPK/N		
DATE	DRAWN	CHECKED	SCALE	
2017-01-05	NM	LUKE	1:1500	
REFERENCE C	ODE			
\/1\/^	1 2017			

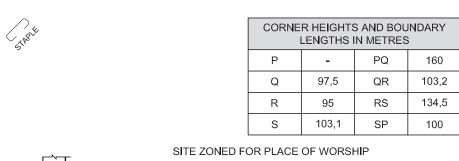
ANSWER 18 Show ALL calculations.

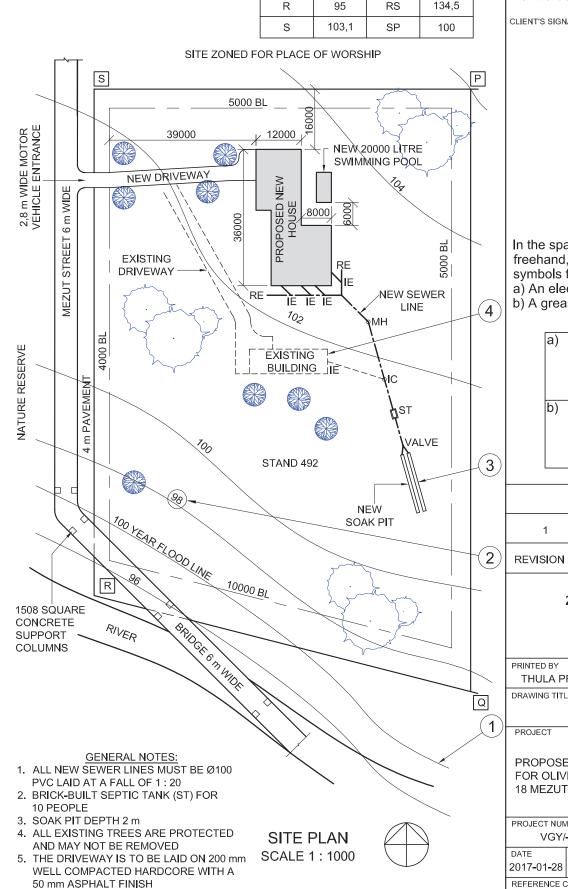


ANSWER 19 Show ALL calculations.

EXAMINATION NUMBER

Engineering Graphics and Design/P1 SCE DBE/2017





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

QUESTION 1: ANALYTICAL (CIVIL)

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.

				_
	QUESTIONS	ANSWERS		
1	What type of drawing is presented?		1	Τ
2	What architectural firm prepared the drawing?		1	T
3	What is the project number?		1	T
4	What is the width of the bridge in metres?		1	T
5	What finish must be applied to the driveway?		1	T
6	How many new inspection eyes are indicated?		1	T
7	As what would trees, rivers and similar features be classified on a site plan?		1	T
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	Т
10	What is the land used for north of the property?		1	T
11	What does the line at 1 indicate?		1	T
12	What does the circled number on the line at 2 indicate?		2	T
13	What is the depth of the feature at 3 in millimetres?		1	T
14	What does the broken line at 4 indicate?		1	T
15	What does the abbreviation ST stand for?		1	T
16	Which elevation of the new house is viewed from the new driveway?		2	Ī
17	What is the height at corner P?		2	Г
18	In the space below (ANSWER 18), determine the perimeter of the proposed new house in metres.		3	Ī
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 <i>SANS 10143</i> graphical symbols for the following: a) An electricity meter b) A grease trap		4	
	, , ,	TOTAL	30	
S	ANSWER 18 Show ALL calculations.	ANSWER 19 Show ALL calculations.		
	PROPOSED NEW PHOUSE			

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

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

YURI ARCHITECTS **25 AUGUSTA ROAD** DURBAN 4097 081 991 9692

DATE

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

SITE PLAN

PROPOSED NEW DWELLING AND POOL FOR OLIVIER GEROUD OF LOT 78631, 18 MEZUT STREET, HOKENHEIM, DURBA

PROJECT NUMBER DRAWING NUMBER VGY/-2017 TD 6-11-GOU/8 SCALE DATE DRAWN CHECKED 2017-01-28 LUCKY YURISH 1:1000 REFERENCE CODE P1Q1-2017

HOUSE 16000 36000

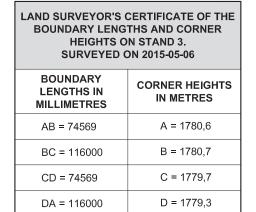
EXAMINATION NUMBER EXAMINATION NUMBER

NOTE: **QUESTION 1: ANALYTICAL (CIVIL)** Contractors must verify all dimensions and levels LAND SURVEYOR'S CERTIFICATE OF THE on site before commencing work. Architects to be notified immediately of any discrepancies. BOUNDARY LENGTHS AND CORNER HEIGHTS ON STAND 1932. The site plan for a proposed new cottage, a title panel and a table of questions. The drawing has not been prepared to SURVEYED ON 2015-09-15 the indicated scale. ARCHITECT'S SIGNATURE BOUNDARY CORNER HEIGHTS CLIENT'S SIGNATURE Instructions: LENGTHS IN IN METRES MILLIMETRES Complete the table below by neatly answering the questions, which refer to the accompanying drawing and title panel. **ANSWER 18** AB = 25200A = 1250In the space below, draw, in neat **QUESTIONS** freehand and according to the **ANSWERS** BC = 72000 B = 1251SANS 10143, a cross section of a piece of TIMBER or UNDRESSED CD = 50967C = 12511 On what date was the site plan printed? WOOD. 1 DA = 27600D = 1250Who prepared the drawing? How many revisions have been made to the drawing? 1 What is the length of boundary CD? 1 What scale is indicated for the drawing? 1 1 What does the abbreviation IC stand for? **ANSWER 19** 1 What does the abbreviation RE stand for? In the space below, draw, in neat STAND freehand, the front view and top view 1 What does the abbreviation MH stand for? of the SANS 10143 graphic symbol for What is the shortest distance from the existing house to a WATER CLOSET. 1 STAND 1931 in metres? 1 10 What does the ratio at 1 indicate? (3) 11 Name the feature at 2. 1 AGRICULTURAL LAND 1 12 In what colour should the feature at 3 be shown? 8000 3000 What is the difference in height between corner A and corner C in metres? 7200 Why would a residential development not be allowed on 14 1 PLOT 207? 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 2 PLOT 207 In the space in the title panel (ANSWER 18), draw, in neat freehand and according to the 3 SANS 10143, a cross section of a piece of TIMBER or UNDRESSED WOOD. In the space in the title panel (ANSWER 19), draw, in neat freehand, the front view and top view of STAND DESCRIPTION the SANS 10143 graphic symbol for a WATER CLOSET. 1932 REVISION DATE **EXISTING** (1) HOUSE TOTAL 30 **ANSWER 16 ANSWER 17** PRINTED BY DATE OF PRINT Show ALL calculations. Show ALL calculations. FRANK PRINTERS 2015/10/12 5357 DRAWING TITLE SITE PLAN STAND 1932 PROJECT 3300 LLOYD WRIGHT L 8000 WIDE PROPOSED NEW COTTAGE STAND ON STAND 1932, KLIPPLAAT 1931 PROJECT NUMBER DRAWING NUMBER GR447-101 SITE PLAN DRAWN CHECKED SCALE SCALE 1:450 **EXAMINATION NUMBER** 2015/10/10 J VAN WYK CK BIRD | 1:450 REFERENCE CODE QU1-2015 **EXAMINATION NUMBER**

Engineering Graphics and Design/P1

DBE/Feb.-Mar. 2017

Engineering Graphics and Design/P1 NSC DBE/November 2016



STAND 2 3000 BK STAND3 AUTOMATED GATE: No. 9 NEW HOUSING UNITS No. 8 No. 1 1780 MEW PAVING LAND No. 7 ON COMPACTED J W 3000 BL HARD CORE RHINO No. 6 No. 3 4000 NEW HOUSING No. 4 UNITS 12000 No. 5 NEW (1) STORE 3000 BL 3000 BL ROOM PROJECT 8000 12400 12400 ×8000 2400 HIGH **ELECTRIC SECURITY FENCE** STAND 4 SITE PLAN 2015/07/07 | WILLIAM 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.

DATE

ON-THE-DOT ARCHITECTS PO BOX 2000 LEOPARD VALLEY

1012

SITE PLAN

PROPOSED NEW HOUSING UNITS IN A SECURITY COMPLEX ON STAND 3,

RHINO ROAD, OBSERVATION PARK

DATE OF PRINT

DRAWING NUMBER EP 3-01-2016

VERNON | 1:800

CHECKED

REVISION

PRINTED BY

DRAWING TITLE

PROJECT NUMBER

REFERENCE CODE QV1-2016

2015-RR-07

DRAWN

NAT PRINTERS

QUESTION 1: ANALYTICAL (CIVIL)

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.

20		QUESTIONS	ANSWER	S	
draw, in neat	1	How many signatures are required?		1	
v and top view ohic symbol for	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 plar	n?	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 IC stand for?		1	
	10	In what colour should glass be indicated on a detail	ed 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	
DESCRIPTION	16	Why would a residential development not be allowe immediately south-west of STAND 3?	ed on the land	2	
CHITECTS	17	Referring to the building regulations, why would this plan not be approved?	s proposed site	2	
000 LLEY	18	In the space below (ANSWER 18), determine the le	ength of the electric security fence in metres.	3	
	19	In the space below (ANSWER 19), determine the coin square metres.	ombined total area of ALL the proposed buildings	4	
OF PRINT 2015/07/09	20	In the space in the title panel (ANSWER 20), draw, the <i>SANS 10143</i> graphic symbol for a BIDET.	in neat freehand, the front view and top view of	3	
N			TOTAL	30	
		ANSWER 18	ANSWER 19		

ΑN	1	SW	/ER	1	8

Show ALL calculations.

ANSWER 19 Show ALL calculations.

	_
EXAMINATION NUMBER	
EXAMINATION NUMBER	2

SCALE

Engineering Graphics and Design/P1 DBE/Feb.-Mar. 2016 NOTE: **QUESTION 1: ANALYTICAL (CIVIL)** Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies. 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. MUNICIPAL ARCHITECT'S SIGNATURE. SEWERAGE LINE STAND 2,5 m DEEP CLIENT'S SIGNATURE Complete the table below by neatly answering the questions, which refer to the accompanying drawing and title 271,5 271,4 61000 МН QUESTIONS **ANSWERS** NEW PVC SEWERAGE ANSWER 20 LINE LAID AT 1:40 In the space below, draw, in neat 1 How many signatures are required? freehand, the front view and top view REMOVE EXISTING ŔΕ PROPOSED NEW of the SANS 10143 graphical symbol OUT BUILDING What is the architectural firm's telephone number? 1 WORKSHOP for a SINGLE WALL-MOUNTED What was the second revision? URINAL. 6 H PROPOSED FUTURE IBR What is the width of Welwitchia Road in millimetres? ROOF TO ENGINEER'S What type of roof cover is proposed for the future roof? SPECIFICATIONS ے ₂₇₅₄₀ √ ENTRANCE 6 How many trees are shown? 1 9450 10695 STAND STAND How many new underground fuel storage tanks are shown? 2076 1 ROOF LINE 1 What does the broken line at 1 indicate? (3) WELWITCHIA EXISTING PARKING Name the feature at 2. 10 In what colour should new steel be indicated on a drawing? 1 FUTURE EXISTING SHOP 11 In what colour should the feature at 3 be shown? 1 AND TOILETS 0089 (4) RE 12 Name the feature at 4. 1 13 Name the feature at 5. 1 EXISTING STORAGE AREA Which side of the existing shop and toilets faces Welwitchia MOTOR ITRANCE 14 2 2015-08-30 Move vent pipes Road? 3 15 Give a reason why graphical symbols are used in drawings. 2 \leq VERTICAL 'I'-SECTION WIDE LE EN 2 2015-08-18 Replace fuel tanks STEEL SUPPORT POINTS EXISTING CAR Include new roof FOR FUTURE ROOF What determines the size of a graphical symbol on a drawing? 1 2015-08-06 WASH BAYS support points 6 표 What is the height of the lowest corner of the stand in metres? 2 DESCRIPTION REVISION DATE 1500 BL In the space below, determine the perimeter of the existing shop 3 271,7 271,3 and toilets in metres. DIGITAL DRAWING VENTILATION In the space below, determine the total area of the existing shop ARCHITECTS STAND **PIPES** 17 SAFFRON DRIVE and toilets in square metres. 9565 **GLENASHLEY** (5) In the space provided in the title panel, draw, in neat freehand, NEW UNDERGROUND **3** 031 5836092 **FUEL STORAGE TANKS** the front view and top view of the SANS 10143 graphical symbol TO ENGINEER'S for a SINGLE WALL-MOUNTED URINAL. **SPECIFICATIONS** DATE OF PRINT PRINTED BY TOTAL 30 TIMELESS PRINTERS 2015-10-17 DRAWING TITLE SITE PLAN **ANSWER 18 ANSWER 19** 20570 PROJECT Show ALL calculations. Show ALL calculations. SITE PLAN PROPOSED NEW WORKSHOP, SCALE 1:500 UNDERGROUND FUEL STORAGE TANKS AND FUTURE ROOF FOR SA PETROLEUM **EXISTING SHOP** ON STAND 9566, WELWITCHIA ROAD AND TOILETS PROJECT NUMBER DRAWING NUMBER SSA/FS/-2015 TH 15-05-R4K/J 28050 DATE DRAWN CHECKED SCALE **EXAMINATION NUMBER** 2015-09-04 TOM REFERENCE CODE 1QP1-2015 **EXAMINATION NUMBER**

NOTE: **QUESTION 1: ANALYTICAL (CIVIL)** Contractors must verify all dimensions and levels on site before commencing work. Architects must be notified immediately of any discrepancies. The site plan of a existing house with a proposed new garage and timber deck, a title panel and a table of guestions. The drawing has not been prepared to the indicated scale. ARCHITECT'S SIGNATURE. CLIENT'S SIGNATURE Complete the table below by neatly answering the questions, which refer to the accompanying drawing and title panel. STAND 55 **QUESTIONS ANSWERS** 148,5 151 ANSWER 20 30000 In the space below, draw, in neat 1 What is the project number? 2 m BL freehand, the front view and top view 2 How many signatures are required? of the SANS 10143 graphical symbol (3)for a BATH. STAND 3 How many revisions have been made to the drawing? 1 21 (B)1 4 Who is the client? (4) 1 On what date was the site plan printed? STAND STAND How many new additions are indicated on the site plan? 1 20 **NEW GARAGE** 22 1 What does the abbreviation *IC* stand for? 1 What is indicated by the arrows on the line at 1? (5) 1 Name the feature at 2. 1 (6)In what colour should the feature at 3 be shown? 1 11 What does the line at 4 indicate? 2 m BL 1 What does the broken line at 5 indicate? **EXISTING** HOUSE YIE. 1 What is the length of the boundary line at 6 in metres? 1 What is the width of Freedom Street in millimetres? A What is the difference in ground level height between corner A 2 and corner B of the buildings in metres? NEW TIMBER 146 6000 149 DECK On which side of the existing house is the new timber deck? 2 10000 Add timber deck 2015-01-27 Which municipal service is found on the land adjacent to stand 17 2 (2) C DESCRIPTION REVISION DATE In the space below, determine the perimeter of the existing house in metres. 3 ELECTRICAL 145 **KEY ARCHITECTS** SUBSTATION In the space below, determine the combined total area of the existing house and the new garage in 3 NUMBER square metres. 96 Protea Street 270194 POTCHEFSTROOM In the space provided in the title panel, draw, in neat freehand, the front view and top view of the SANS 3 m Bl 10143 graphical symbol for a BATH. 083 130 2201 143 key@webmail.co.za 24000 TOTAL 30 DATE OF PRINT PRINTED BY ILM PRINTERS 2015-02-13 **ANSWER 18 ANSWER 19** FREEDOM STREET 4,7 m DRAWING TITLE Show ALL calculations. Show ALL calculations. SITE PLAN **EXISTING** HOUSE SITE PLAN PROJECT PROPOSED NEW GARAGE AND SCALE 1:250 6000 TIMBER DECK FOR MRS SCHUTTE ON STAND 21, FREEDOM STREET. PROJECT NUMBER DRAWING NUMBER AFSP-2015 VG 002 DATE DRAWN CHECKED SCALE 10000 **EXAMINATION NUMBER** 2015-01-10 REFERENCE CODE Q1P1N2015 **EXAMINATION NUMBER** Copyright reserved Please turn over

Engineering Graphics and Design/P1

DBE/November 2015

Downloaded From: https://sa-student.com/ Engineering Graphics and Design/P1 DBE/Feb.-Mar. 2015 NOTE: **QUESTION 1: ANALYTICAL (CIVIL)** Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies. 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. ARCHITECT'S SIGNATURE. Instructions: CLIENT'S SIGNATURE .. Complete the table below by neatly answering the questions, which refer to the accompanying drawing and title STAND **QUESTIONS ANSWERS** 33 ANSWER 20 In the space provided below, draw, in 300 301 What is the reference code for the drawing? 30000 neat freehand, the front view and top view of the SANS 10143 graphical 1 What was the second revision? symbol for a DOUBLE SINK. 3000 BL What scale is indicated for the drawing? 6000 x 850 x 2000 DEEP (4) SOAK PIT **SEPTIC** How many inspection chambers are there on the sewer line? 4 1 BRICK PAVING TANK 5 What finish is used around the pool? 1 EXISTING What new development is proposed on the site? 1 POOL In what colour would new glass be presented on a drawing? 1 In what colour would new concrete be presented on a drawing? 1 RF EXISTING OUTBUILDING What is the depth of the feature at 1? 1 RE STAND STAND 32 31 1 10 Name the feature at 2. 11 1 What does the number at 3 indicate? EXISTING BRAAI STREET 1 12 What does the line at 4 indicate? ŔΕ 1 13 Name the feature at 5. Name the feature at 6. 3 RE Which elevation of the new dwelling faces Gotze Street? 2 15 Include a soak pit 2 2014-12-07 What is the distance from the swimming pool to the south-western 5000 BL 2 16 boundary line in metres? Change driveway **TARRED** 2014-11-09 DRIVEWAY 2 What is the length of the boundary facing stand 32 in metres? DESCRIPTION REVISION DATE WIRE FENCE In the space below, determine the perimeter of the new dwelling 301 302 18 in metres. **TONY KROOS & ASSOCIATES** R3520 PAVEMENT In the space below, determine the total building area of stand 31 1 BAYERN DRIVE 19 3 in square metres. 13-16 MUNICH G A R D E N S MULLER STREET (5) NEW GERMANY In the space provided in the title panel, draw, in neat freehand, PINETOWN 0791313130 4 the front view and top view of the SANS 10143 graphical symbol tonykroos@bundes.com for a DOUBLE SINK. PRINTED BY DATE OF PRINT **FUSSBAL PRINTERS** 2015-02-12 TOTAL 30 DRAWING TITLE SITE PLAN 15000 **ANSWER 18 ANSWER 19** PROJECT Show ALL calculations. Show ALL calculations. SITE PLAN PROPOSED DWELLING FOR MR SCALE 1:300 RIBERY ON STAND 31, CNR **NEW DWELLING** MULLER STREET AND GOTZE STREET. PROJECT NUMBER DRAWING NUMBER CHLW-2013 BM 3113 3100 3100 DRAWN CHECKED SCALE **EXAMINATION NUMBER** 2015-01-28 ARJEN REFERENCE CODE

EXAMINATION NUMBER

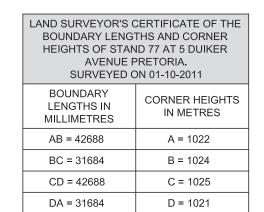
1VG2014

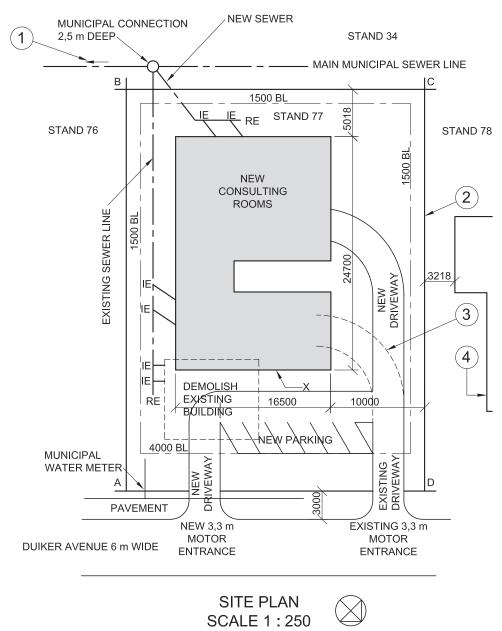
NOTE: **QUESTION 1: ANALYTICAL (CIVIL)** Contractors must verify all dimensions and levels on site before commencing work. Architects to be notified immediately of any discrepancies. A site plan of a hotel with a proposed new conference centre, a title panel and a table of questions. The drawing has not been prepared to the indicated scale. ARCHITECT'S SIGNATURE .. Instructions: CLIENT'S SIGNATURE Complete the table below by neatly answering the questions, which refer to the accompanying drawing and title MAIN MUNICIPAL SEWER CONNECTION **QUESTIONS ANSWERS NEW VEHICLE** ANSWER 20 -MUNICIPAL WATER ENTRANCE AND EXIT In the space provided below, draw, in CONNECTION AND RIDGE ROAD WITH CONTROL POINT 1 On what date was the site plan printed? **METER** neat freehand, the front view and top PAVEMEN³ view of the SANS 10143 graphical What must the contractors do on site before commencing with 49 symbol for a SINGLE URINAL. 4000 BL any work? STAND 734 TO 739 What scale is indicated for the drawing? **NEW SEWER LINE** 1 4000 BL 4 What was the first revision? NEW TAR ROAD 51225 What is the surface finish of the new road? 5 1 2 What new development is proposed for the hotel? NEW PARKING In what colour would new timber be presented on a drawing? STAND 730 In what colour would new steel be presented on a drawing? 1 22000 RE 9 What does the number at 1 indicate? 1 PAVING LAID ON Name the feature at 2. COMPACTED MH HARD CORE 11 What does the line at 3 indicate? 12 1 Name the feature at 4. 32500 **EXISTING** 13 Name the feature at 5. HOTEL 3 On what must the paving in the new parking lot be laid? JIE P. RE 2 2014-07-15 Include a new MH 2 15 In which road is the new exit from the hotel? 4000 What is the length of the south western wall on the new 2014-07-11 Change road 2 ELECTRICAL 3 conference centre in metres? 10631 24000 SUPPLY REVISION DESCRIPTION DATE What is the shortest distance from the new conference centre to CONNECTION 2 the boundary line on North Way in metres? MH **NEW HORIZON** In the space below, determine the perimeter of the new **ARCHITECTS** 18 3 conference centre in metres. 17 MAIN ROAD DURBAN In the space below, determine the total area of the new 3 Tel: 031 335 2835 conference centre in square metres. MH PRINTED BY DATE OF PRINT In the space provided in the title panel, draw, in neat freehand, **EXISTING DUNNIT PRINTERS** 2014-08-05 PARKING the front view and top view of the SANS 10143 graphical symbol STAND 733 DRAWING TITLE for a SINGLE URINAL. STAND SITE PLAN TOTAL 30 **ANSWER 18** ANSWER 19 PROJECT Show ALL calculations. Show ALL calculations. 4000 BL PROPOSED NEW CONFERENCE 117357 CENTRE FOR THE SA HOTEL NEW GROUP ON STANDS 734 TO 739 EXISTING 4 m CONFERENCE EXISTING RETAINING AT 261 NORTH WAY, DURBAN VEHICLE CENTRE WALL TO ENGINEER'S 5 ENTRANCE **NORTH WAY** PROJECT NUMBER DRAWING NUMBER SPECIFICATION WITH CONTROL 04 10-B708 POINT 13500 27300 DATE DRAWN CHECKED SCALE **EXAMINATION NUMBER** 2014-05-30 SAREL PERTO 1:500 SITE PLAN SCALE 1:500 REFERENCE CODE N14-Q1 **EXAMINATION NUMBER**

Engineering Graphics and Design/P1

DBE/November 2014

Engineering Graphics and Design/P1 EXEMPLAR 2014





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 1014 graphical symbol for a single

kitchen sink.

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

MINKI'S DREAM HOMES

101 PAUL KRUGER STREET PRETORIA Tel: 012 555 2735

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

SITE PLAN

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

PROJECT

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

QUESTION 1: ANALYTICAL (CIVIL)

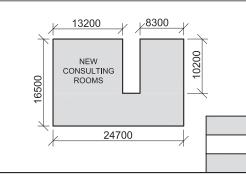
A site plan for proposed new consulting rooms, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

Complete the table below by neatly answering the questions, which all refer to the accompanying drawing and title

	QUESTIONS	ANSWERS	
1	On what date was the stand surveyed?	1	ſ
2	What was Vishnu responsible for?	1	ĺ
3	How wide is the pavement on Duiker Avenue in metres?	1	
4	What is the client's name?	1	Ī
5	How many new parking bays are indicated?	1	ſ
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	Ī
11	What does the line at 2 indicate?	1	Ī
12	What does the line at 3 indicate?	1	Ī
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	

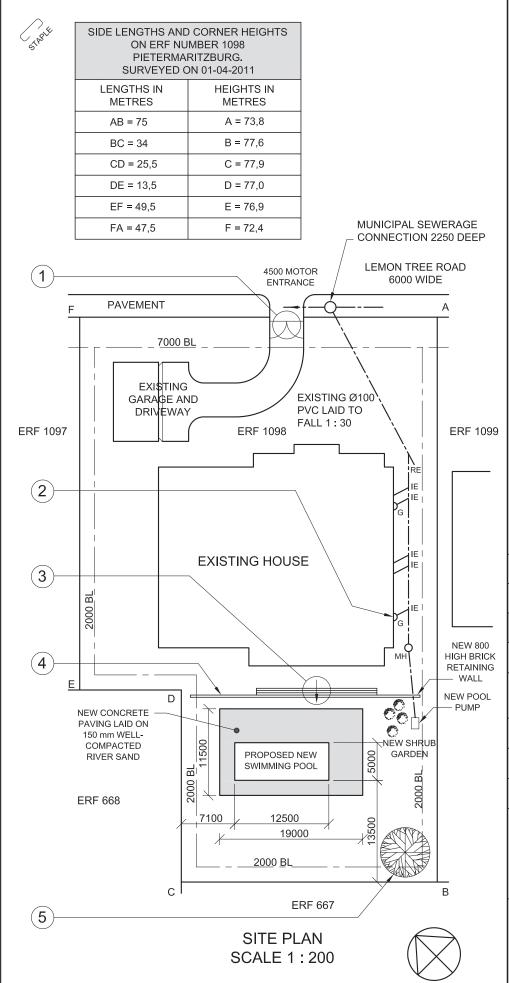
ANSWER 18 Show ALL calculations.



ANSWER 19 Show ALL calculations.

EXAMINATION NUMBER EXAMINATION NUMBER

Engineering Graphics and Design/P1 DBE/Feb. - Mar. 2014



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.

QUESTION 1: ANALYTICAL (CIVIL)

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 [30]

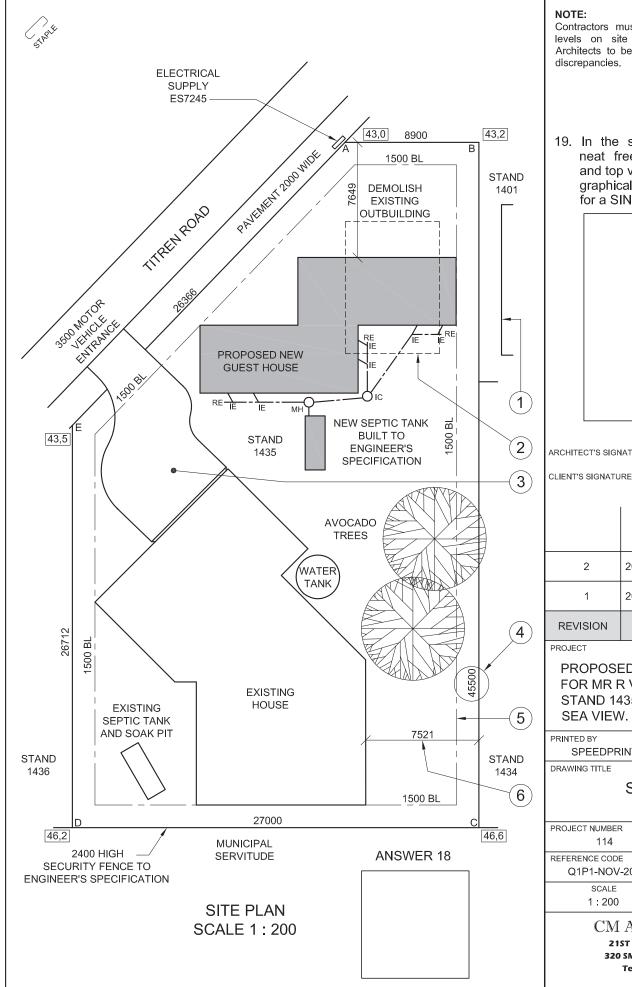
view of graphical s a SHOWE	symbol (conve			QUESTIONS	ANSWERS	
			1	On what date was the plan approved?		1
			2	Who prepared the site plan?		1
			3	What scale is indicated for the drawing?		1
			4	What is the project number?		1
			5	What is the name of the draughting firm?		1
			6	How many stands border 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
CHITECT'S SIGNATU	IRE		10	Name the feature labelled 'G' at 2.		1
IENT'S SIGNATURE .			11	What does the arrow in the circle at 3 indicate?		1
1	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
REVISION	DATE DES	CRIPTION	16	What is the width and length of the swimming pool in metres?		2
RINTED BY PATSY PRINTE RAWING TITLE	RS DATE OF PF	RINT)2-2014	17	Determine the area of the concrete paving around the swimming pool in square metres. Show ALL calculations.		3
ROJECT NUMBER 2014-001	DRAWN BY P XABA CHECKED BY	DATE 19-01-2014 DATE	18	Determine the perimeter of erf 1098 in metres. Show ALL calculations.		3
DBE-2014-01	P THAKER	05-02-2014				
RAWING NUMBER 13-001-SIP ROJECT	APPROVED BY M ZUNGU	DATE 14-02-2014	19	Determine the shortest distance from the swimming pool to the south-eastern building line in metres. Show ALL calculations.		3
ROPOSED N OR AM MBU	IEW SWIMMII TU ON ERF LEMON TRE ZBURG	NUMBER	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 (convention) for a SHOWER.		3
					TOTAL	30

BUIDGET DRAUGHTIN 26 CHUIRCH STREET

PHETERMARITZBURG Tel: 033 245 3434

EXAMINATION NUMBER

Engineering Graphics and Design/P1 DBE/November 2013



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 SINGLÉ KITCHEN SINK.

ARCHITECT'S SIGNATURE .

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

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

PRINTED BY DATE OF PRINT SPEEDPRINT 2013-07-01 DRAWING TITLE

SITE PLAN

PROJECT NUMBER DRAWING NUMBER			
114	114 003		
REFERENCE CODE	DRAWN BY	DATE	
Q1P1-NOV-2013	JASON	2013-03-14	
SCALE	CHECKED BY	DATE	
1:200	MINKI	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.

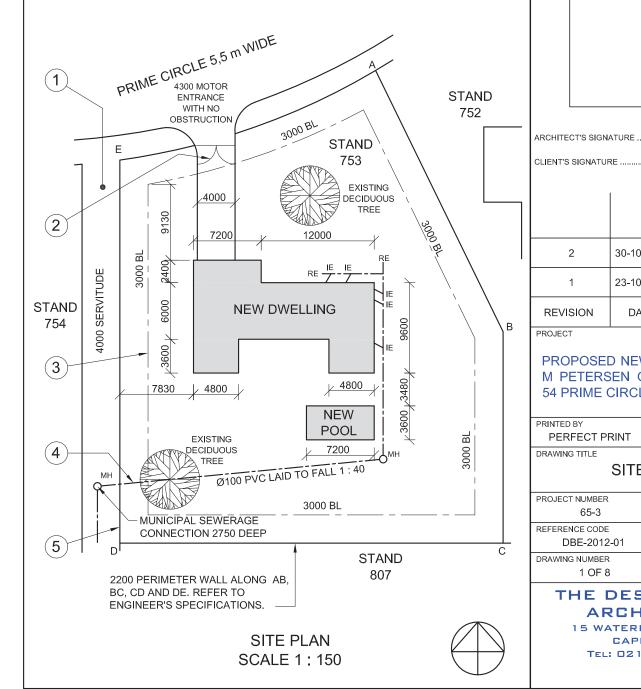
Instructions:

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

		QUESTIONS ANSWERS				
ĺ	1	How many revisions have been made to the drawing?	1			
ĺ	2	How many signatures are required on the site plan?	1			
ĺ	3	What is the project number?	1			
ĺ	4	How wide is the motor vehicle entrance in metres?	1			
ĺ	5	What does the abbreviation <i>MH</i> stand for?	1			
ĺ	6	How high is the security fence in metres?	1			
ĺ	7	What does the feature at 1 indicate?	1			
ĺ	8	What does the line at 2 indicate?	1			
ĺ	9	Name the feature at 3.	1			
ĺ	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?					
	13 What is the reference number of the electrical supply?					
	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 SANS 10143 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 SANS 10143 graphical symbol (convention) for a single kitchen sink.	4			
	In the space below, determine the perimeter of the new guest house in metres.					
_		ANSWER 20 TOTAL	30			
14	Show ALL calculations. NEW GUEST					
18		000				
		10500 EXAMINATION NUMBER				

Engineering Graphics and Design/P1 DBE/Feb.-Mar. 2013

LAND SURVEYOR'S CERTIFICATE OF THE SIDE LENGTHS AND CORNER HEIGHTS ON STAND 753 PRIME CIRCLE ATHLONE. SURVEYED ON 16-09-2012 LENGTHS IN HEIGHTS IN **METRES METRES** AB = 30,885A = 66,5BC = 22,452B = 65,9CD = 40,729C = 64,3DE = 40,695 D = 64.8EA = 28,825 E = 65,2



NOTE:

ARCHITECTS 15 WATERKANT STREET

CAPE TOWN TEL: 021 555 3434

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

20.In the space provided below, draw, in neat freehand, the front view and top view convention for

QUESTION 1: ANALYTICAL (CIVIL)

Given:

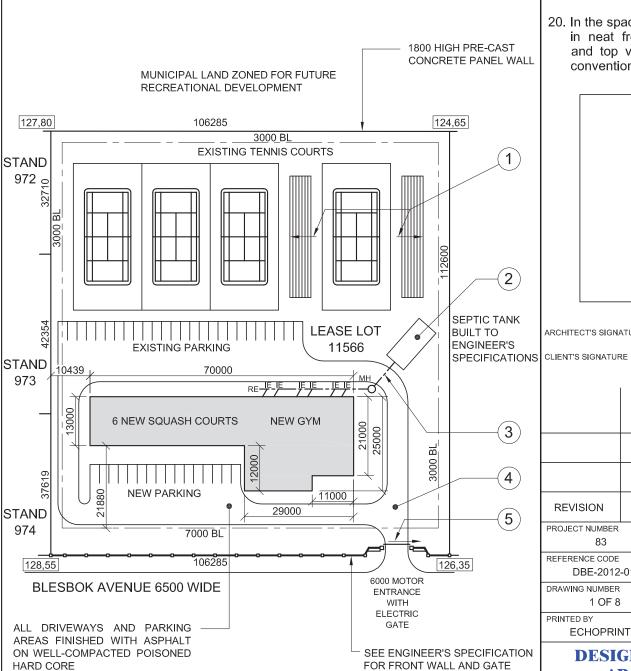
A site plan for a new dwelling and swimming pool, a title panel and a table of questions. The drawing has not been prepared to the indicated scale.

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

and top view of the SABS 0143 convention for a kitchen sink.							
			QUESTIONS	ANSWERS			
				1	On what date was the site plan printed?		1
				2	Who checked the drawing?	1	1
				3	How many revisions have been made to the drawing?	1	1
				4	How wide is the driveway?	1	1
				5	What is the fall of the sewerage line?	1	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	1
				8	How deep is the municipal sewerage connection?	1	1
L				9	Name the feature at 1.	1	1
RCHITECT'S SIGN	ATURE			10	Name the feature at 2.		1
IENT'S SIGNATUI	RE			11	What does the line at 3 indicate?	1	1
			12	Name the line at 4.	1	1	
		13	Name the line at 5.		1		
2	30-10-201	2 ADD P WALL	ERIMETER	14	What elevation of the new dwelling faces the servitude?	2	2
1	23-10-201		E POOL	15	Which is the lowest corner on the stand?	2	2
REVISION	DATE	DESC	RIPTION	16	What is the shortest distance between the dwelling and the pool?		2
ROJECT]			17	With reference to the sewerage, identify and give the reason why the plan could not be approved.		2
PROPOSED NEW DWELLING FOR M PETERSEN ON STAND 753 AT 54 PRIME CIRCLE ATHLONE.		18	Determine the length of the perimeter wall in metres. Show ALL calculations.	3	3		
RINTED BY PERFECT P	I .	OATE OF PRIN 12-12	n⊤ 2-2012				
RAWING TITLE SITE PLAN		19	Determine the total area of the new dwelling in square metres. Show ALL calculations.		3		
ROJECT NUMBER 65-3	I .	PIETER	DATE 14-10-2012		In the space provided in the title panel, draw, in neat freehand,		
EFERENCE CODE DBE-2012	. c 2-01	HECKED BY THANDI	DATE 14-10-2012	20	the front view and top view of the SABS 0143 convention for a kitchen sink.	3	3
RAWING NUMBER 1 OF 8	I .	ASSED BY CRAIG	DATE 14-10-2012		TOTAL	3	30
THE	DESI	SN TE	EAM				

EXAMINATION NUMBER

Downloaded From: https://sa-student.com/ Engineering Graphics and Design/P1 DBE/November 2012 **QUESTION 1: ANALYTICAL (CIVIL)** NOTE: Contractors must verify all dimensions and levels on site before commencing work. Given: Architects to be notified immediately of any



SITE PLAN

SCALE 1:500

discrepancies.

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

ARCHITECT'S SIGNATURE

REVISION DATE DESCRIPTION PROJECT NUMBER DRAWN BY DATE 83 LEBO 14-10-20 REFERENCE CODE CHECKED BY DATE DBE-2012-01 HOLLY 15-10-20 DRAWING NUMBER PASSED BY DATE 1 OF 8 **TERTIA** 16-10-20 PRINTED BY DATE OF PRINT **ECHOPRINT** 18-10-2012

DESIGN FOR LIVING ARCHITECTS 15 WATERKANT STREET

CAPE TOWN 021 555 3434

PROJECT

PROPOSED NEW SQUASH COURT AND GYM FOR THE BLESBO AVENUE SPORTS COMPLEX ON LEASE LOT NO. 11566

DRAWING TITLE

SITE PLAN

The site plan for new squash courts and gym, 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.

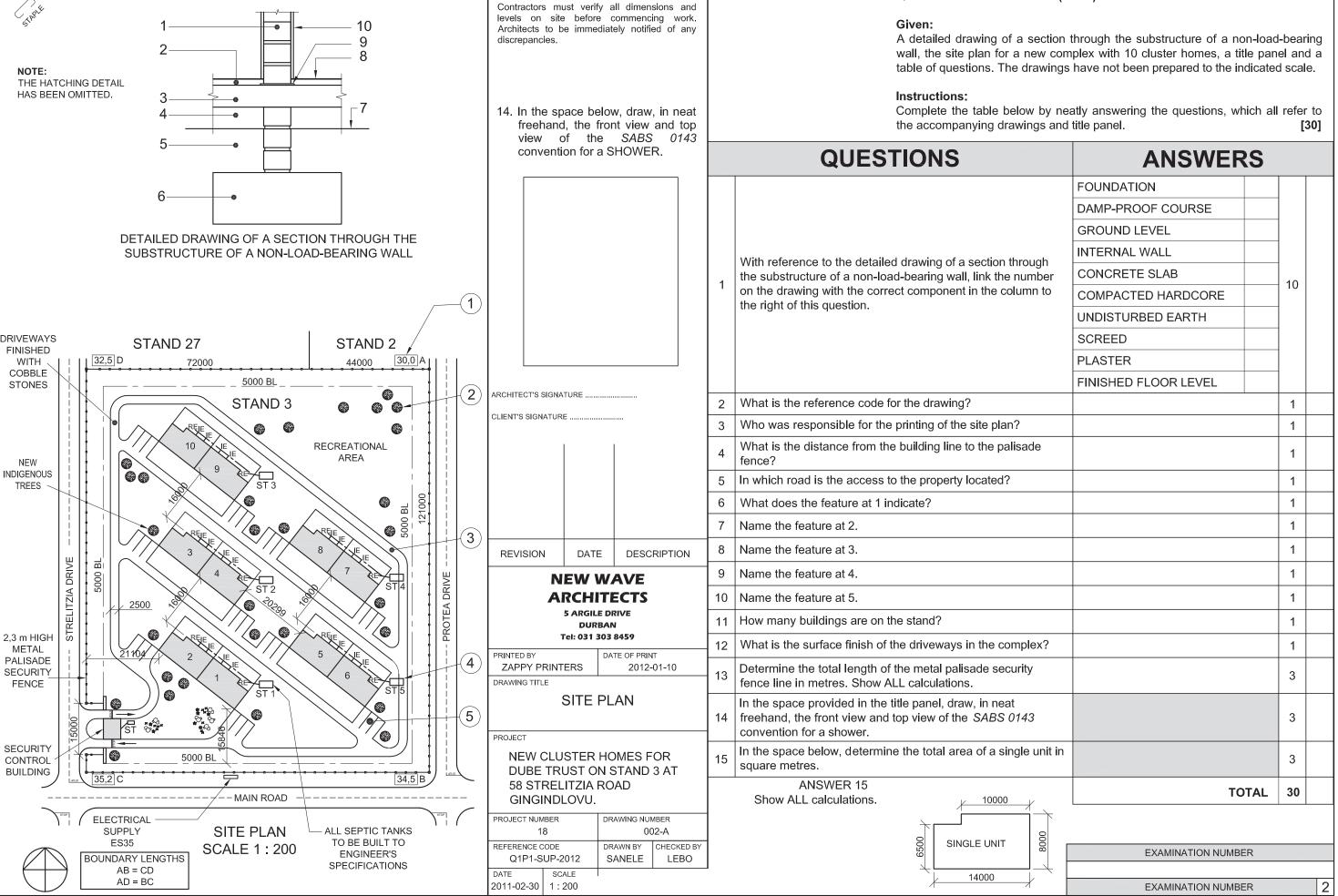
43		QUESTIONS	ANSWERS
	1	What is the name of the company that designed the new squash courts and gym?	1
	2	Who prepared the drawing?	1
	3	On what date was the site plan printed?	1
	4	What is the drawing reference code?	1
	5	What must the contractors do before commencing work on the site?	1
	6	What is the height of the pre-cast concrete panel walls?	1
	7	How many manholes are shown on the site plan?	1
	8	How many new parking bays are shown on the site plan?	1
	9	What do the arrows on the pavilions at 1 indicate?	1
	10	Name the feature at 2.	1
	11	What does the line at 3 indicate?	1
	12	What is the finish on the feature at 4?	1
	13	What does the arrow at 5 indicate?	2
	14	What will the land on the north-eastern side of the sports complex be used for?	2
	15	What is the height of the highest corner on the stand?	2
)12	16	What does the abbreviation IE stand for?	1
)12	17	What is the distance from the south-western building line to the new squash courts in millimetres?	2
012	18	Determine the perimeter of lease lot 11566 in metres. Show ALL calculations.	3
	19	Determine the total area of the new squash courts and gym building 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 <i>SABS 0143</i> convention for a bath.	3
TS DK		TOTAL	30

EXAMINATION NUMBER

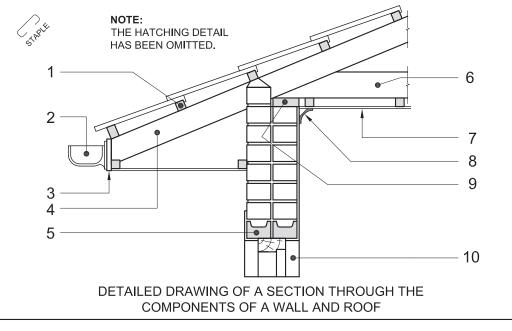
Engineering Graphics and Design/P1 NSC DBE/Feb.-Mar. 2012

QUESTION 1: ANALYTICAL (CIVIL)

NOTE:



Engineering Graphics and Design/P1 DBE/November 2011



NOTE:

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

14. In the space provided below, draw, in neat freehand, the symbol for the north point according to

QUESTION 1: ANALYTICAL (CIVIL)

Given:

A detailed drawing of a section through the components of a wall and roof, the site plan for a proposed medical centre, a title panel and a table of questions. The drawings have not been prepared to the indicated scale.

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

3 9	for the north point according to SABS 0143.	QUESTIONS	ANSWERS	
5 DETAILED DRAWING OF A SECTION THROUGH THE			CEILING BOARD GUTTER REVEAL RAFTER	
COMPONENTS OF A WALL AND ROOF DRIVEWAYS AND PARKING FINISHED WITH ASPHALT STAND 74 103500 1556.8 B 2000 BL STAND 92 EXIT		With reference to the detailed section through the components of a wall and roof, link the number on the drawing with the correct component in the column to the right of this question.	WALL PLATE FASCIA BOARD BATTEN TIE BEAM CORNICE LINTEL	10
RE IF IF ON MH MH MH MH MH MH	ARCHITECT'S SIGNATURE	2 What is the drawing number?		1
BRICK SUITE 5 SUITE 6 RE	CLIENT'S SIGNATURE	3 In which road is the exit of the property located?		1
PAVING LAID ON SUITE 4 SUITE 4 SUITE 7		4 What does the line at 1 indicate?		1
WELL- COMPACTED FILL		5 Name the feature at 2.		1
		6 Name the feature at 3.		1
STAND SUITE 3 SUITE 8		7 Name the feature at 4.		1
91 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	REVISION DATE DESCRIPTION	8 What does the line at 5 indicate?		1
		9 How many rodding eyes are shown on the site plan?		1
SUITE 9 SUITE 9 O O O O O O O O O O O O O O O O O O	MEDI-DESIGN ARCHITECTS	10 How many proposed suites must be built?		1
	121 CHURCH STREET PRETORIA	11 Which is the highest corner of the stand?		2
SUITE 1 SUITE 10 4	Tel: 012 312 8459 PRINTED BY DATE OF PRINT DDP 2011-06-17 DRAWING TITLE	Determine the perimeter of stand 92 in metres. Show ALL calculations.		3
MAIN ENTRANCE STATION BLOCK IE RE NAME OF THE PROPERTY OF THE	SITE PLAN PROJECT	Determine the total area of stand 92 in square metres. Show ALL calculations.		3
ENTRY EMERGENCY VEHICLE 2000 BL 103500 1557.7 D MH MUNICIPAL SEWERAGE LINE 3 m DEEP	PROPOSED MEDICAL CENTRE FOR DR SMITH AND PARTNERS ON STAND 92 AT 19 HOSPITAL	In the space provided in the title panel, draw, in neat freehand, the symbol for the north point according to <i>SABS 0143</i> .		3
4000 HOSPITAL ROAD	ROAD BENONI. PROJECT NUMBER DRAWING NUMBER 34 2/08	TOTAL		30
SECURITY — SITE PLAN	REFERENCE CODE DRAWN BY CHECKED BY		EXAMINATION NUMBER	
BUILDING SCALE 1 : 150	Q1P1-S-2011 SANELE LEBO DATE SCALE			
	2011-05-30 1 : 150		EXAMINATION NUMBER	2
Copyright reserved		11111111111111111111111111111111111111	Plea	ase turn over

Engineering Graphics and Design/P1 NSC DBE/Feb. - Mar. 2011



THE SITE PLAN SHOWS STAND 80 SITUATED AT KAYSERS BEACH

SURVEYED ON 12-04-2010

LAND SURVEYOR'S CERTIFICATE

SIDE LENGTHS

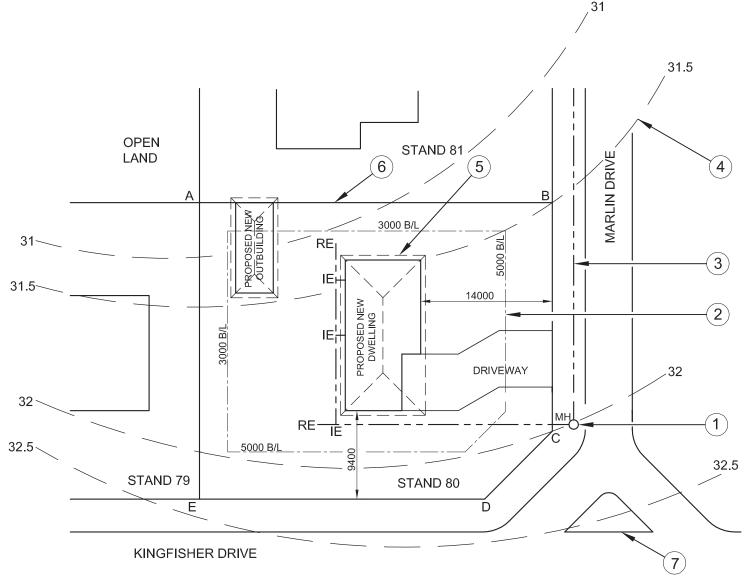
AB = 37 806

BC = 24 200

CD = 10 615

DE = 30 300

EA = 31 706



SITE PLAN SCALE 1:200



QUESTION 1: ANALYTICAL (CIVIL)

Given:

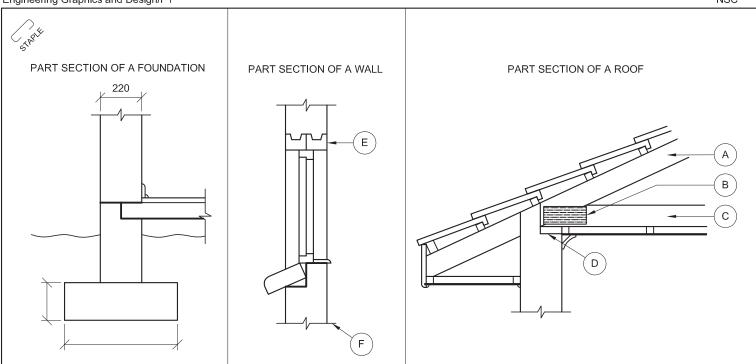
The site plan of a proposed new dwelling and outbuilding and a table of questions. The drawing is not to scale.

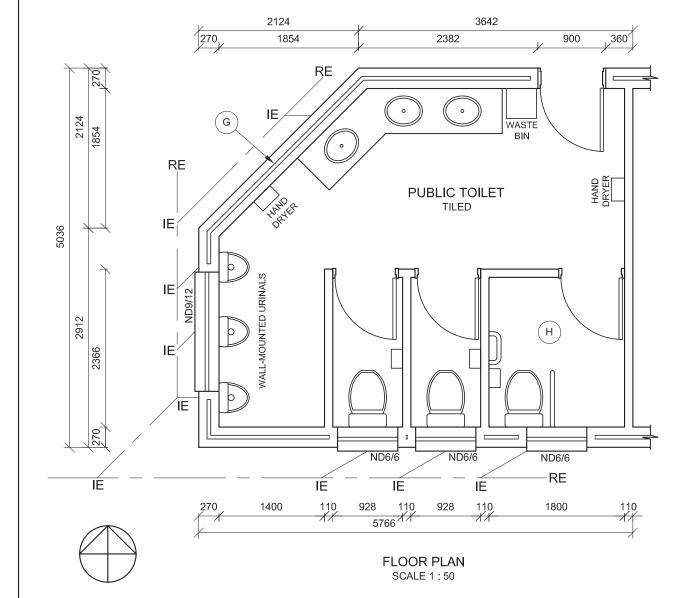
Instructions:

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 propopsed 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.		2 <u>1</u>
21	Determine the total area of the stand in square meters. Show ALL calculations.		4 ¹ / ₂
	TOTAL		27

EXAMINATION NUMBER EXAMINATION NUMBER Engineering Graphics and Design/P1 NSC DBE/November 2010





ANSWER 13

QUESTION 1: ANALYTICAL (CIVIL)

Given:

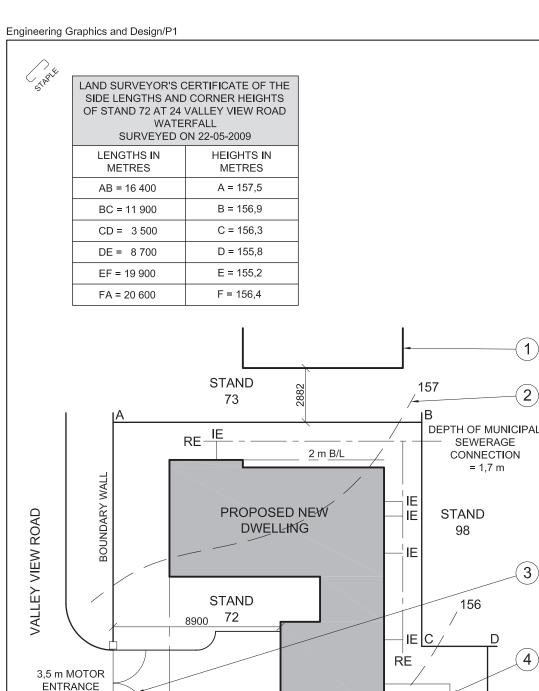
The part sections of a foundation, a wall and a roof, as well as a floor plan of a proposed new public toilet and a table of questions. The drawings are not to scale and no hatching detail is shown.

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.		<u>1</u>
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
		A.	1
3	Name parts A, B, C and D on the part section of the roof.	В.	1
3	Thame parts A, B, G and B on the part section of the root.	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 <i>SABS</i> convention for a water closet (WC).		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

ingineering Graphics and Design/P1 NSC DoE/Feb. - March 2010



2 m B/L

STAND 71

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.

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
DESCRIPTION	15	What colour must all new concrete be on sectional elevations of presentation drawings?		2
& SONS CCTS	16	What colour must all new buildings be on the site plan of presentation drawings?		1
LL 943	17	Determine the total area of the stand in square metres.		3
E OF PRINT 09-05-2009	18	If the total area of the new dwelling is 125 m², determine the percentage of the stand that is covered by the new dwelling.		3
AN	19	In the space provided on the title block, draw, in neat freehand, the front view and top view of the <i>SABS</i> convention for a washbasin.		4
	-	TOTAL		30
LP BARKER /ALLEY VIEW				
AWING NUMBER Q1P1-S-2010				
WN BY CHECKED BY CRAIG			EXAMINATION NUMBER	
			EXAMINATION NUMBER	2

GOVENDER & SONS ARCHITECTS

DATE

12th AVENUE WATERFALL Tel: 031 709 8943

PRINTED BY DATE OF PRINT

PVDW 09-05-2009

DRAWING TITLE

SITE PLAN

PROJECT

ARCHITECT'S SIGNATURE

CLIENT'S SIGNATURE.

REVISION

STAND

99

(5)

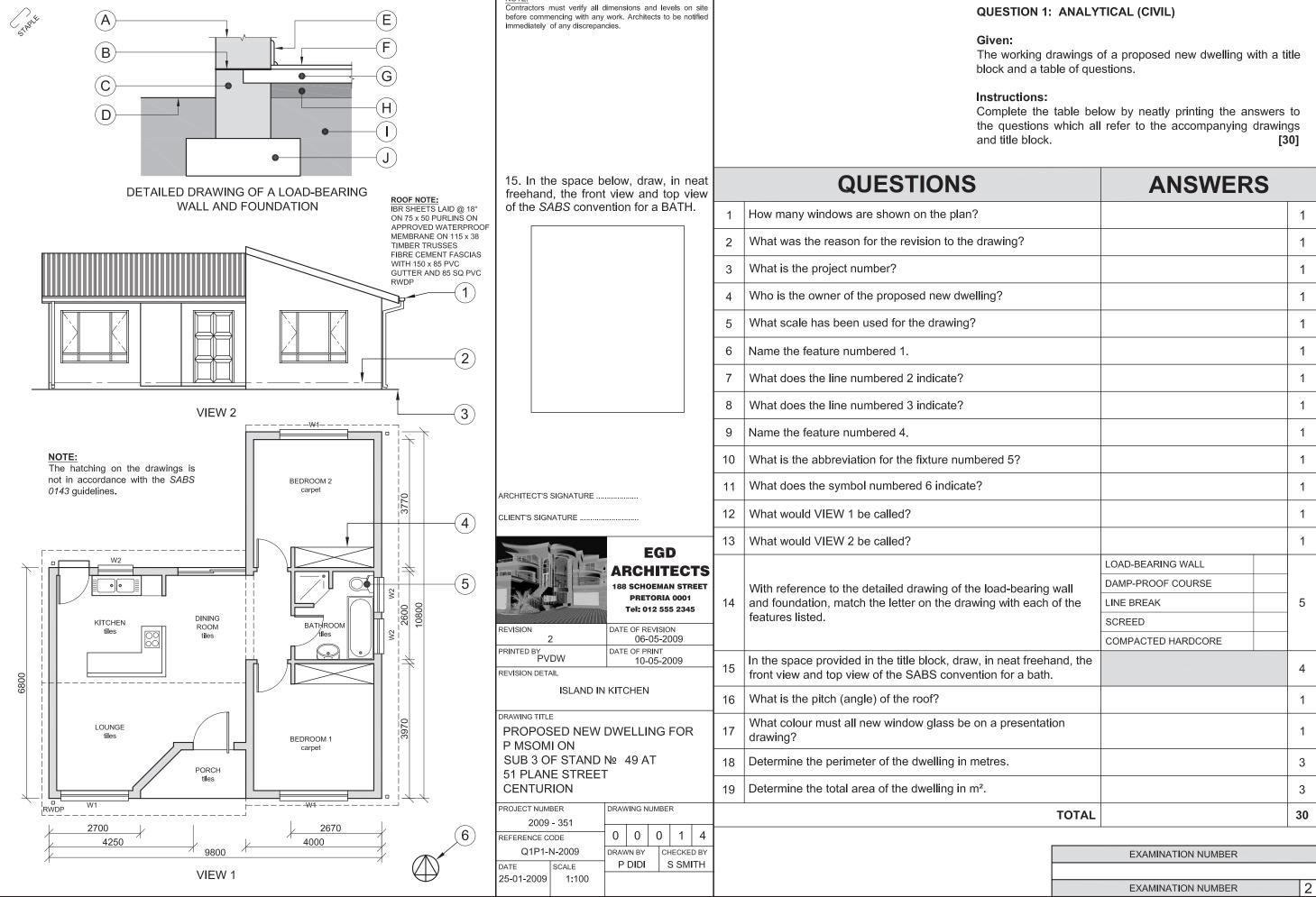
EXISTING

GARAGE 🔍

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

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

Engineering Graphics and Design/P1 NSC DoE/November 2009



Engineering Graphics and Design/P1 NSC DoE/February/March 2009

STAPLE

THE SITE PLAN SHOWS ERF 8 SITUATED IN GOODWOOD

SURVEYED ON 19-02-2009

A 3360

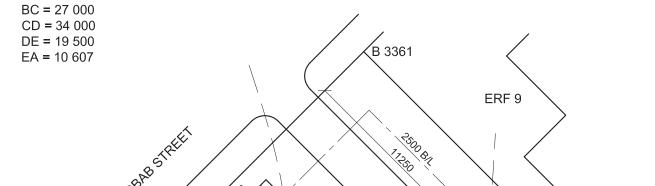
E 3360

(55.7<u>1</u>

LAND SURVEYOR'S CERTIFICATE

SIDE LENGTHS

AB = 26500



NEW DRIVEWAY

/RE

3361

ΪΕ

ERF 8

1 PROPOSED /)

RE

3360

MAIN MUNICIPAL SEWER LINE

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 propopsed new dwelling?		1
52 <u> </u>	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 m².		3
			TOTAL	_ 27

D 3361

3359

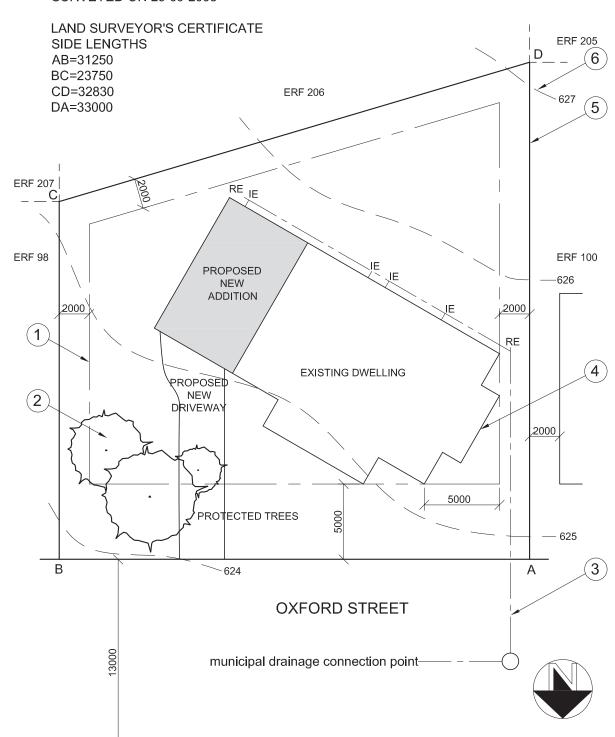
2

Engineering Graphics and Design/P1 NSC DoE/November 2008

Criginosing Grapinos and Besignin

THE SITE PLAN SHOWS ERF 99 SITUATED IN EAST LONDON

SURVEYED ON 25-09-2008



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]

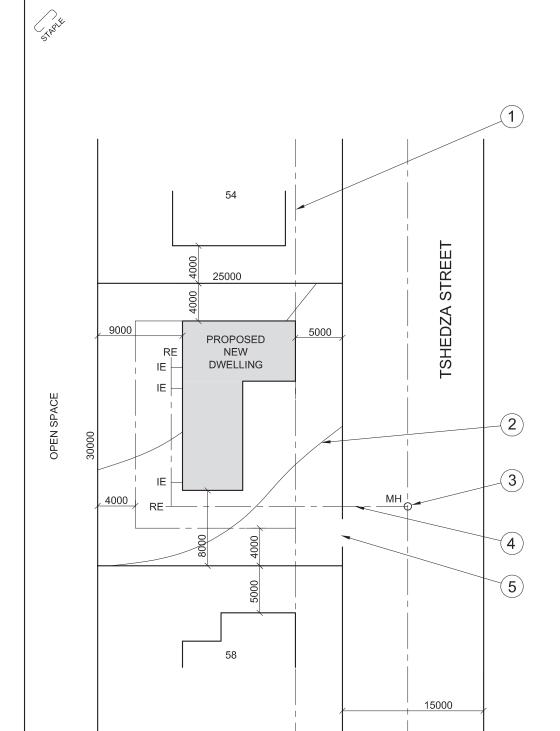
	QUESTIONS	ANSWERS
1	What type of drawing is shown?	1/2
2	What is the erf number of the site?	1/2
3	What is the scale of the drawing?	1/2
4	On what date was the site surveyed?	1/2
5	What is the total length of the front of the erf in metres?	1
6	What SI unit is used for the dimensions?	1
7	In which South African city would you find this property?	1
8	What is the distance from the municipal boundry 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 m².	3
		TOTAL 25

SITE PLAN SCALE 1:200

EXAMINATION NUMBER

EXAMINATION NUMBER 2

Engineering Graphics and Design/P1 NSC



SITE PLAN SCALE 1:200

QUESTION	1:	ANALY	YTICAL	(CIVIL
40-011011		,,		, ~

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 m²?	2
		TOTAL 25

EXAMINATION NUMBER	
EXAMINATION NUMBER	2