KAKAMEGA COUNTY WATER AND SANITATION COMPANY/COUNTY GOVERNMENT OF KAKAMEGA

PROPOSED 5000M3 REINFORCED CONCRETE TANK AT MILIMANI, KAKAMEGA COUNTY

JOB NO. J573

CONTRACT DRAWINGS

MAY 2019

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROFESSIONAL CONSULTANTS
CONSULTANTS
CONSULTING ENGINEERS &
PROJECT MANAGERS
P.O. Box 24996-00502
Nairobi,Kenya
E-mail:professional.consultantske@gmail.com

DRG. No.	TITLE	
J573/WT/000	INDEX	
J573/STR/001	5000M3 TANK GENERAL LAYOUT AND SECTIONS	
J573/STR/002	5000M3 TANK REINFORCEMENT DETAILS	
J573/STR/003	COLUMN AND BASE DETAILS	
J573/STR/004	INLET,OUTLET AND OVERFLOW PIPE STANDARD DETAILS	
J573/STR/005	FENCING DETAILS	
J573/STR/001L	SCHEMATIC: TANK LAYOUT AND PIPING	
J573/STR/006	NON RETURN VALVE DETAILS	
J573/STR/007	SLUICE VALVE AND METER CHAMBER DETAILS	
J573/STR/008	MARKER POSTS DETAILS	
J573/STR/010	SIGN BOARD`	

Notes

Revisions

		No.	Date	Details	Chd.	Appd.

5000M3 TANK FOR KACWASCO

REINFORCED CONCRETE 5000M3 TANK AT MILIMANI

Description: INDEX

Scale: AS SHOWN (A1)

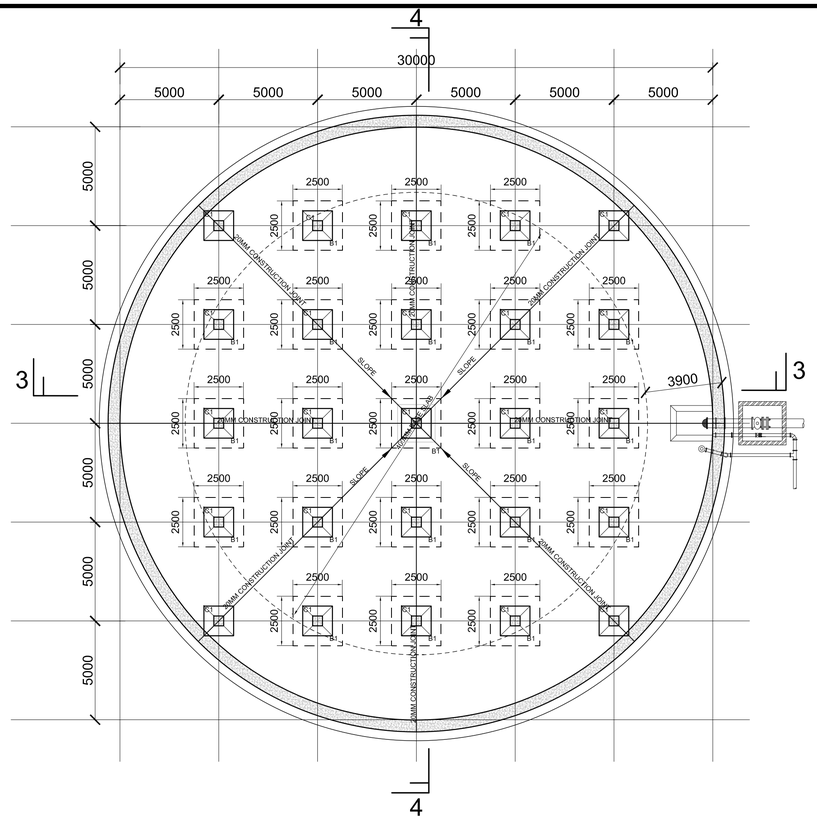
Date: MAY 19

Checked By: J.L

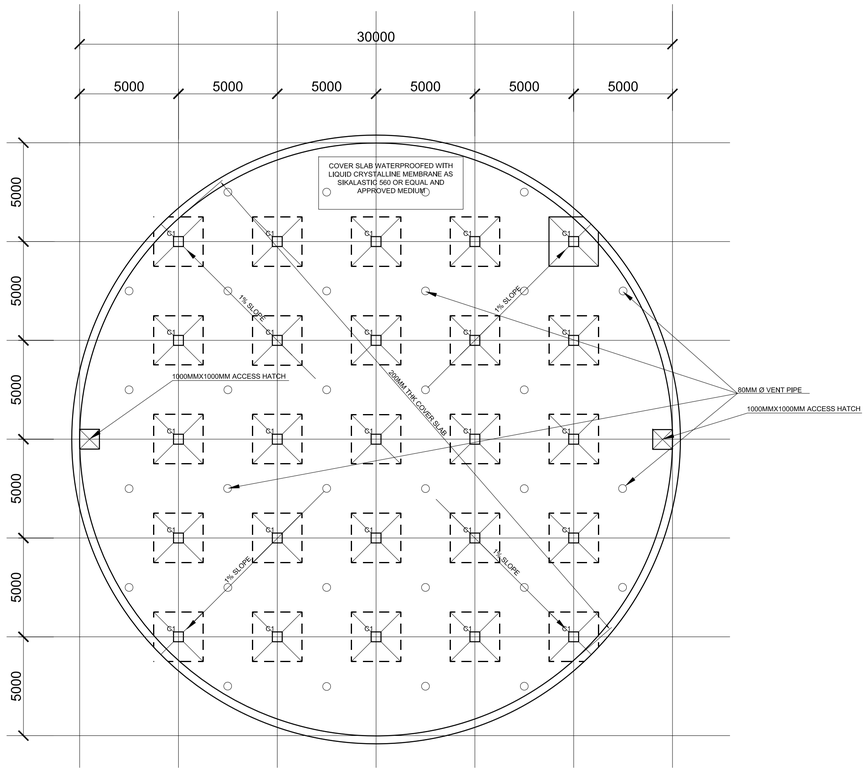
Approved By: J.L

KACWASCO/COUNTY GOVT OF KAKAMEGA

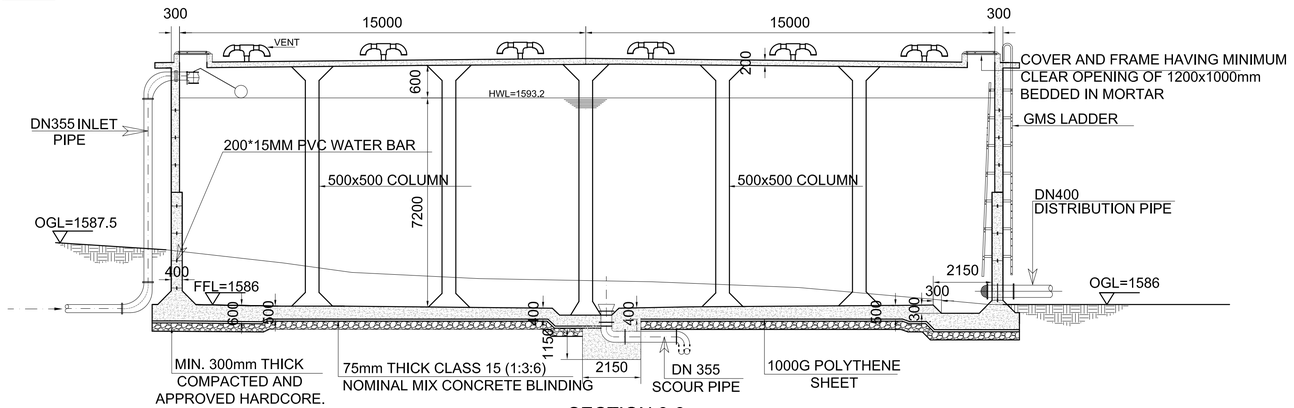
Drawing No: J573/WT/000



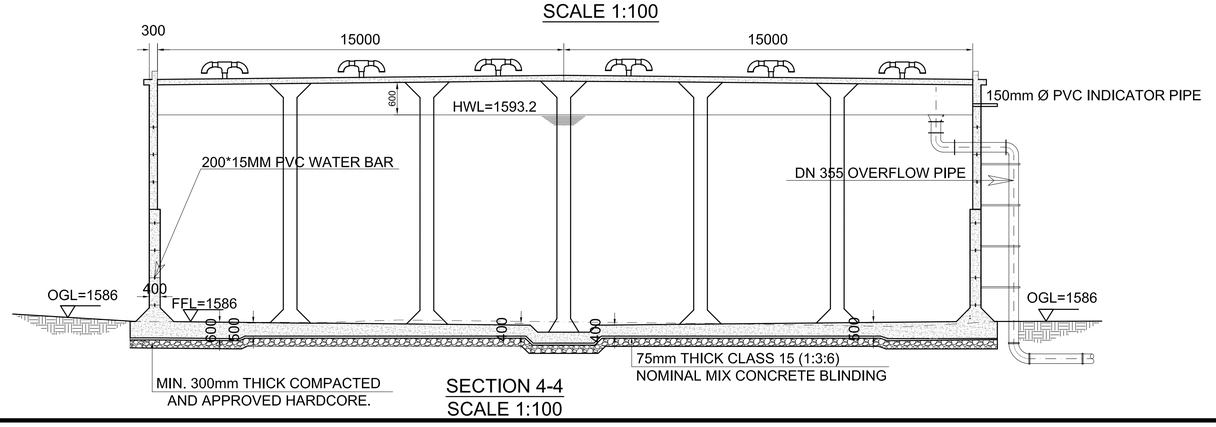
5000M3 TANK BASE SLAB PLAN
1:100



5000M3 TANK COVER SLAB PLAN
SCALE 1:100



SECTION 3-3
SCALE 1:100



SECTION 4-4
SCALE 1:100

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 50mm&20mm
6. "T" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

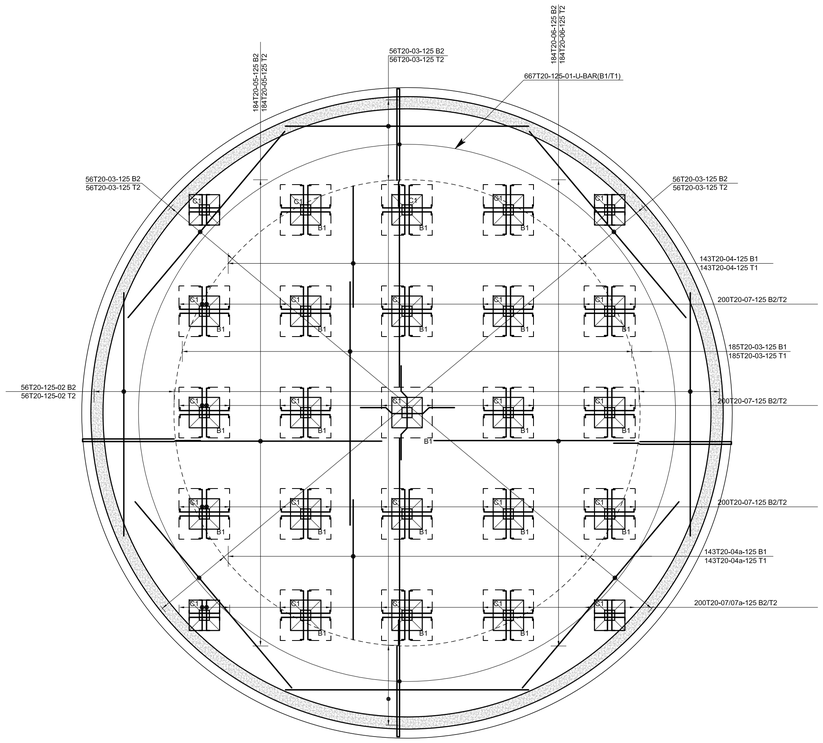
TITLE

5000M3 RC WATER TANK LAYOUT AND SECTIONS

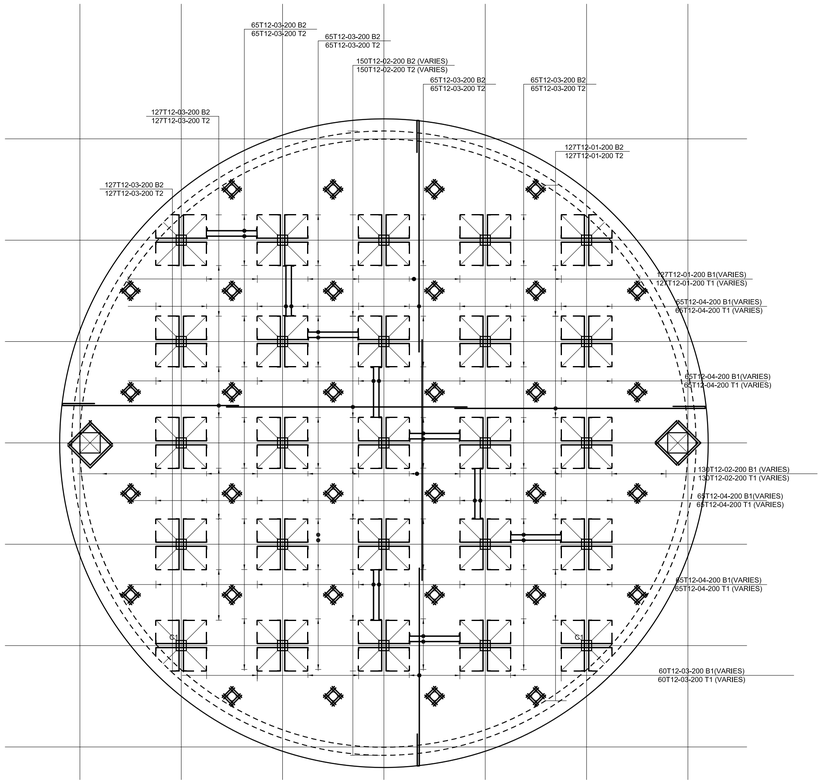
STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

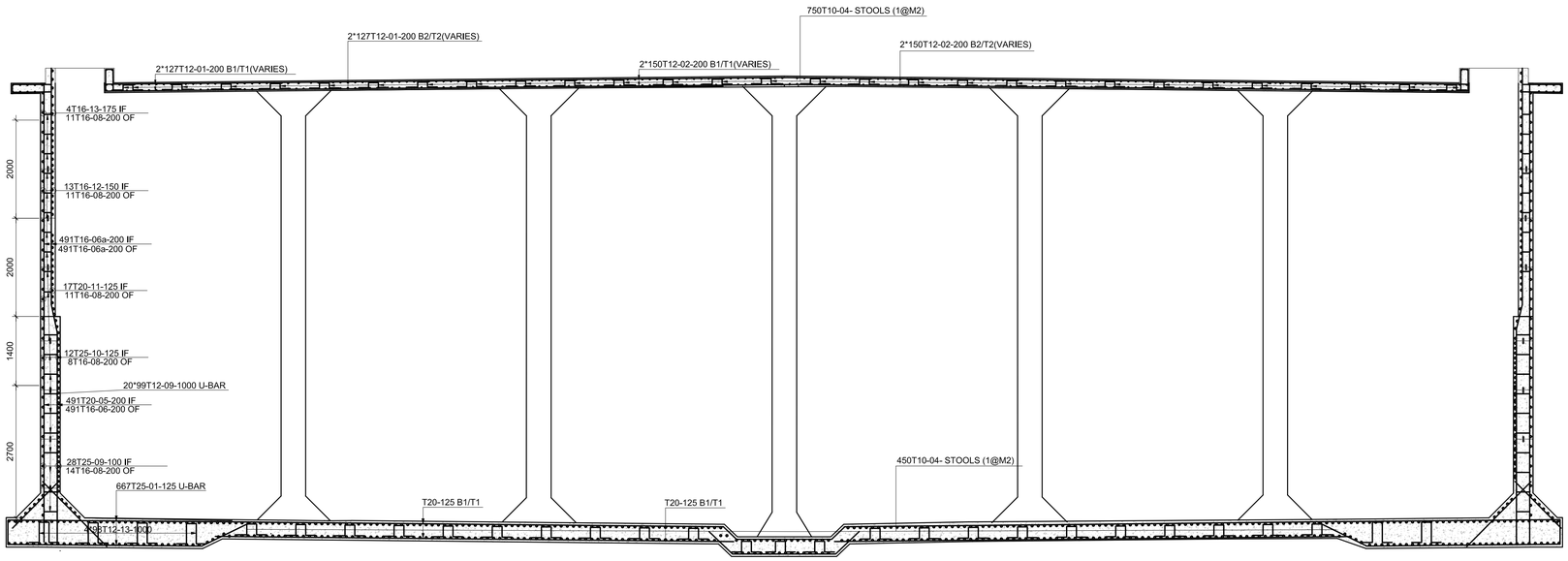
Drawn	A.S	Scale(s)	1 : 100
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/L01	



5000m3 TANK BASE SLAB REINFORCEMENT
1:100



5000M3 COVER SLAB RC LAYOUT
SCALE 1:100



5000M3 TANK SECTION
SCALE 1:100

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 50mm&20mm
6. "T" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

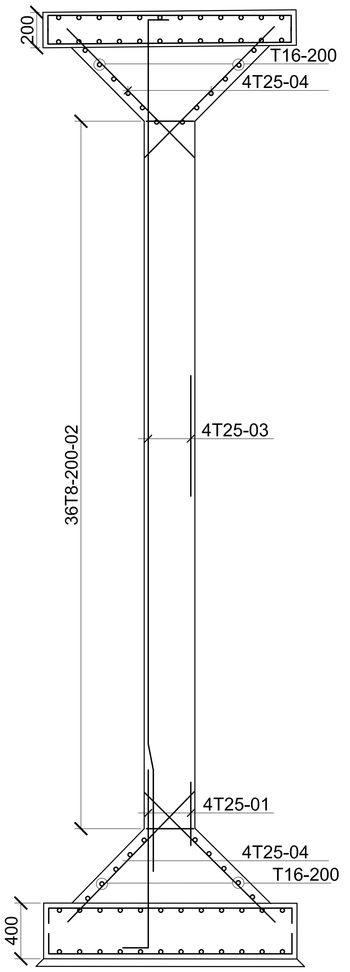
TITLE

5000M3 RC WATER TANK REINFORCEMENT DETAILS

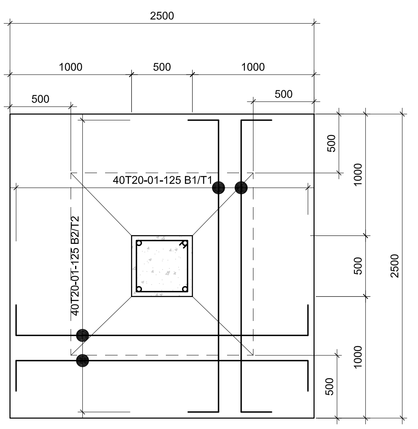
STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 100
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/02	



400x400 COLUMN C1 (25 NO OFF)
SCALE 1:50



2500x2500x400 BASE B1 (25 NO OFF)
SCALE 1:25

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 50mm&20mm
6. "T" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

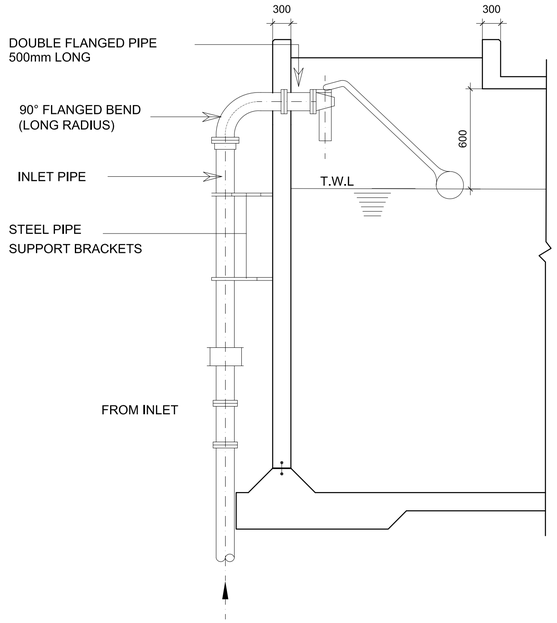
TITLE

COLUMN AND BASE DETAILS

STRUCTURAL/CIVIL ENGINEER

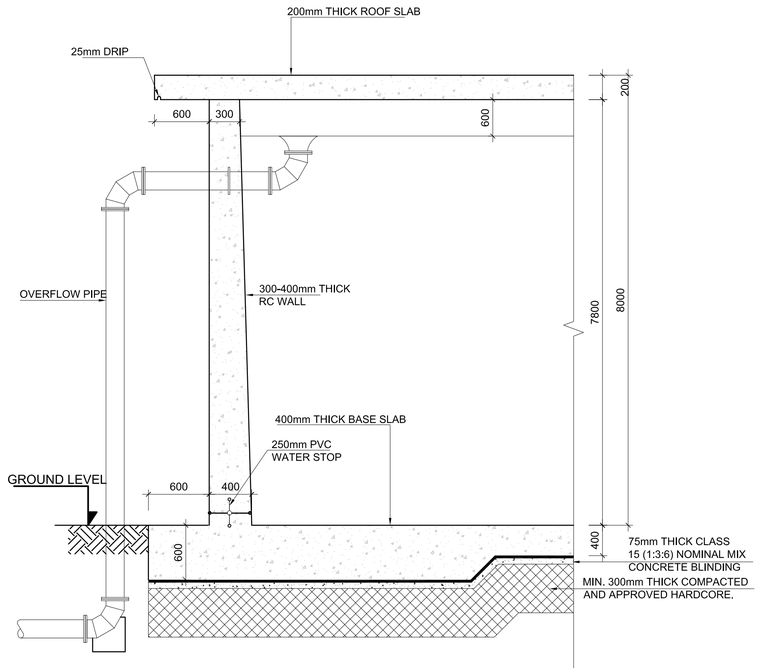
PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 :50, 1:25
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/05	



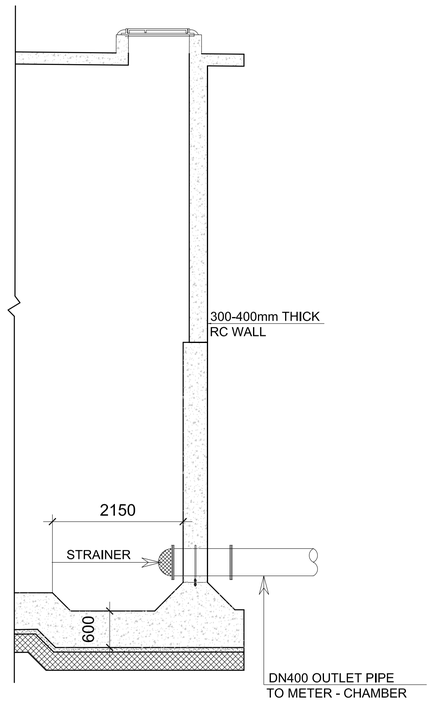
INLET PIPE DETAILS

SCALE, 1:50



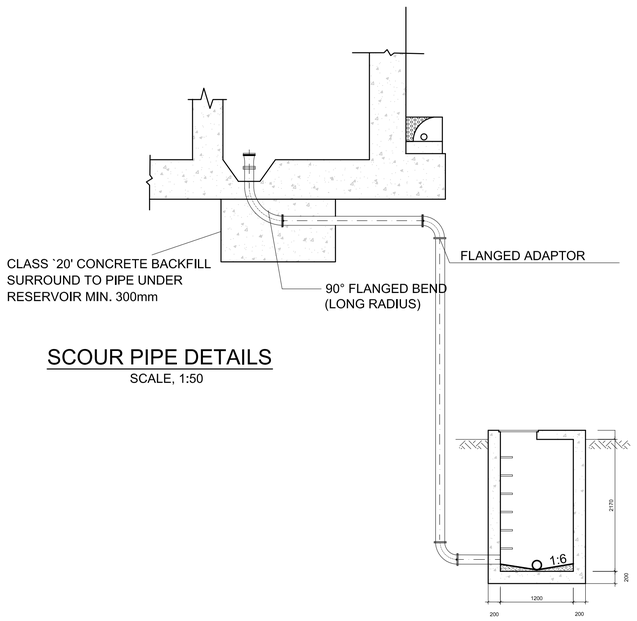
OVERFLOW

(SCALE
1:25)



OUTLET PIPE DETAILS

SCALE, 1:50



SCOUR PIPE DETAILS

SCALE, 1:50

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 20mm
6. "Y" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

TITLE

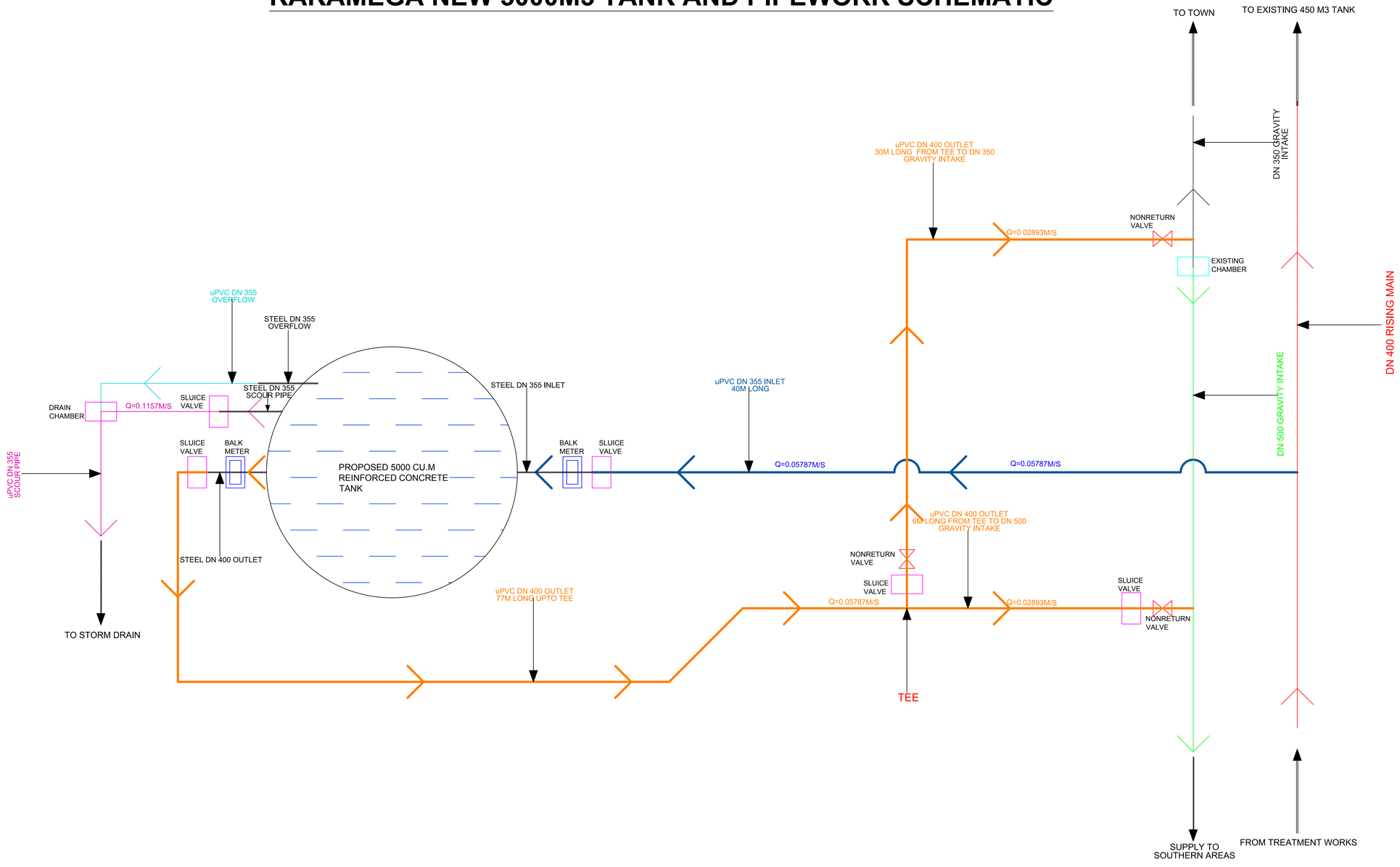
INLET, OUTLET AND OVERFLOW PIPE STANDARD DETAILS

STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 200
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/03	

KAKAMEGA NEW 5000M3 TANK AND PIPEWORK SCHEMATIC



NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS 52.5 or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 50mm&20mm
6. "T" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

TITLE

SCHEMATIC: NEW 5000M3 TANK AND ACCOMPANYING PIPE WORK.

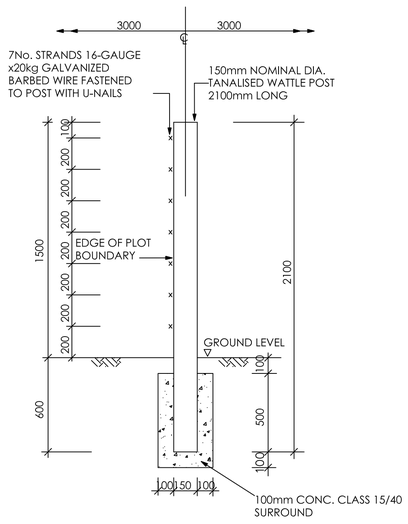
STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 100
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	

JOB No. J573 | DRG No. J573/STR/01

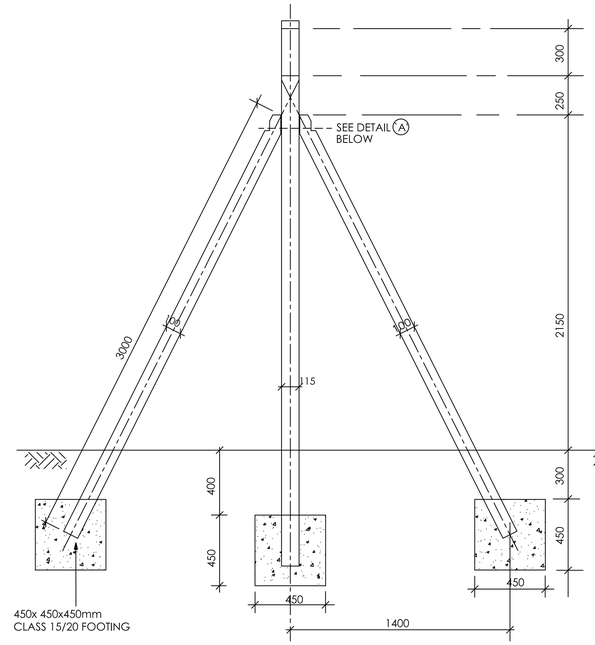
DETAILS OF WATTLE POSTS FOR BARBED WIRE FENCE



TYPICAL END ELEVATION - SINGLE POST (TO BE AT 3.0m CENTRES)

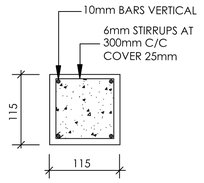
(NTS)

DETAILS OF PRECAST CONCRETE POSTS FOR CHAIN LINK FENCE



DETAILS OF STRAINING POST FOR CHAIN LINK FENCE AT 33.3m Cts.

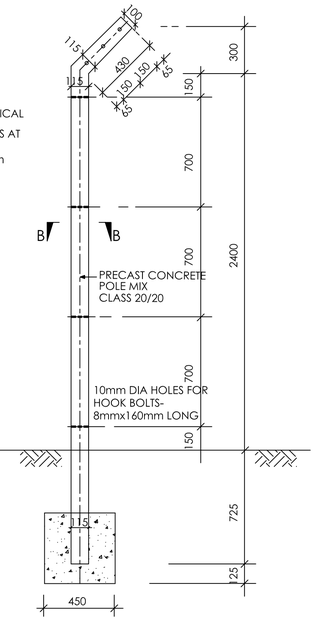
SCALE 1:40



SECTION B - B

SCALE 1:10

NOTE:
CONCRETE EDGES OF POSTS TO HAVE 25x25mm CHAMFER



DETAILS OF SINGLE P.C.C. POST AT 3.30m Cts.

SCALE 1:40

NOTES

a) CONCRETE MIXES TO BE AS FOLLOWS:
   1. POSTS CLASS 20/20
   2. STRAINER POSTS CLASS 20/20
   3. FOUNDATION BLOCK CLASS 15/20 CONC.

b) CHAIN LINK TO BE IN GAUGE 12 GALVANISED STEEL WIRE.

c) STRAINING WIRES TO BE 12 GAUGE GALVANISED STEEL PLAIN WIRES.

d) WIRES ON CRANK TO BE 12 GAUGE GALVANISED STEEL BARBED WIRE.

e) ALL STRUCTURAL OPENING DIMENSIONS TO BE CONFIRMED ON SITE BEFORE COMMENCING ANY FABRICATION

f) STRAINING WIRES TO BE FIXED TO POST WITH GALVANIZED HOOK BOLTS 8mm DIA. x 60mm LONG

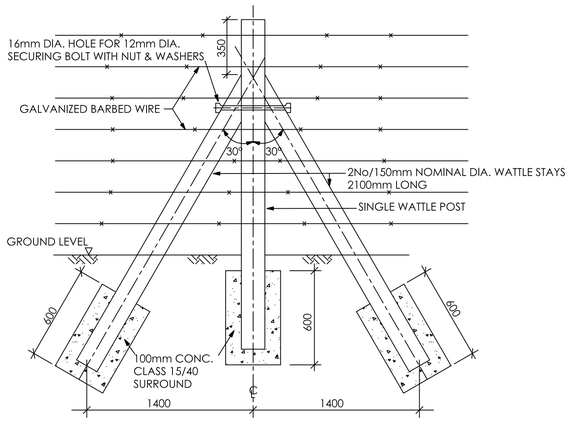
g) WHERE THE POST ENCROACHES ON PRIVATE LAND THE FENCE SHOULD BE ERECTED WITH CRANK POINTING INTO THE SITE.

h) ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED.

i) ALL EXPOSED CONCRETE EDGES OF POSTS TO HAVE 25x25mm CHAMFER

ABBREVIATIONS

C/C = CENTRE TO CENTRE.
Cts. = CENTRES.
M.S. = MILD STEEL.
P.C.C = PRECAST CEMENT CONCRETE.
CONC. - CONCRETE
mm - MILIMETER
uPVC - UNPLASTICISED POLYVINYL CHLORIDE
Dia. - DIAMETER
Kg - KILOGRAMME
℄ - CENTRE LINE
m - METRE
NTS - NOT TO SCALE
Nr. - NUMBER

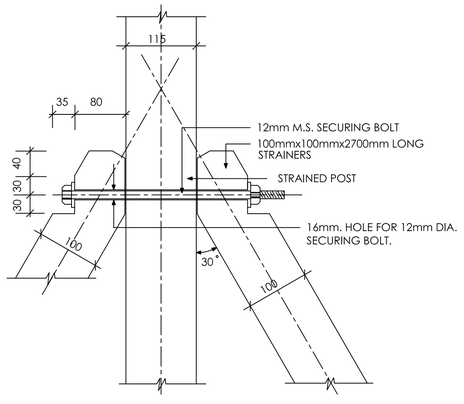


TYPICAL FRONT ELEVATION - STAYED POST (STAYS TO BE PROVIDED AT 30.0m c/c AND AT CORNERS

(NTS)

NOTES

a) ALL CORNER POSTS AND EVERY 10th SINGLE POST TO HAVE 2No. STAYS
b) POSTS TO BE AT 3000mm CENTRES
c) TOP OF ALL POSTS TO BE KEPT IN UNIFORM LINE
d) EXTENT OF FENCING IS SHOWN ON THE LAYOUT PLAN
e) N.T.S = NOT TO SCALE

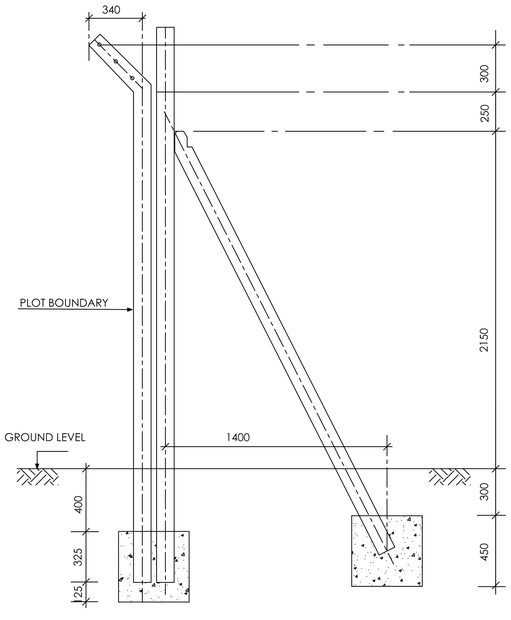


DETAIL (A)

SCALE 1:10

NOTES

a) APPROXIMATELLY EVERY 10th POST AND ALL CORNER POST TO BE STRAINED
b) POST TO BE AT 3300mm CENTRES
c) TOP OF ALL POSTS TO BE KEPT IN UNIFORM LINE.



DETAILS OF CORNER POSTS

SCALE 1:40

REV	REVISIONS		SIGN	DATE	APPROVED
D		BY			
		CHECKED			
C		BY			
		CHECKED			
B		BY			
		CHECKED			
A		BY			
		CHECKED			

CLIENT:
COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

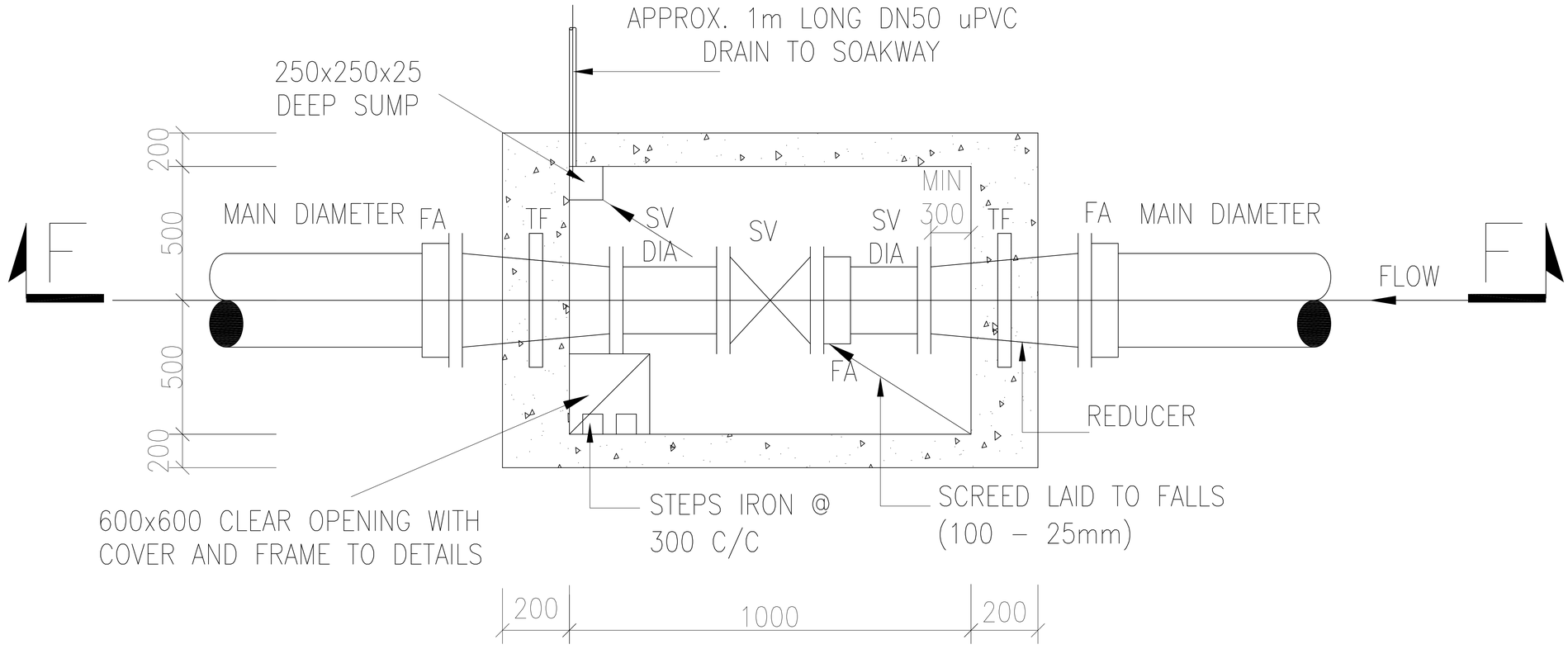
Project Title
PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

CIVIL/STRUCTURAL CONSULTANT
PROFESSIONAL CONSULTANTS LIMITED
Professional Hse,Kufuga Rd Off Langata Rd,Karen
P.O Box 24996-00582, Karen

DRAWING TITLE
STANDARD DRAWINGS
DETAILS OF FENCING.

Designed by: Eng. J. Loveday	Drawn by : K.O.M
Checked by : Eng. G. Macodawa	Approved by :Eng. G. Macodawa
	APRIL 2016.
	REV

DRG No. J573/STR/04



SECTIONAL NON RETURN VALVE

SCALE 1:50

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 35 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 20mm
6. "Y" Denotes square twisted high yield bars to BS 4461.
   "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

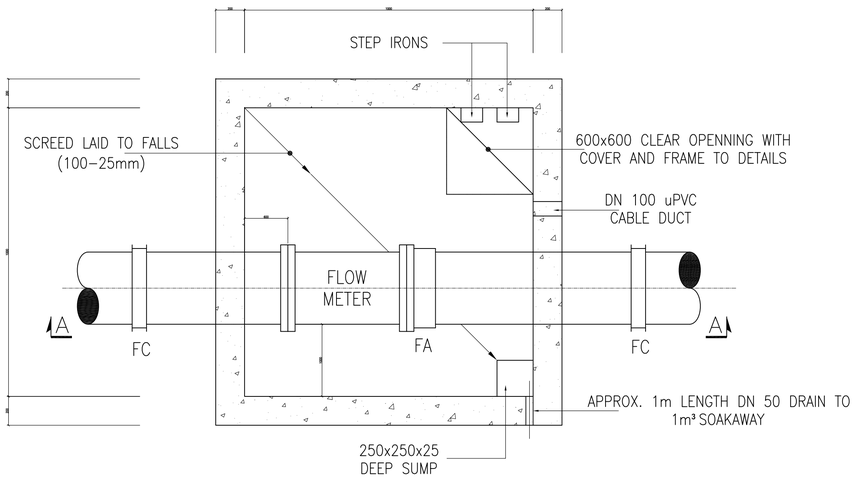
TITLE

NON RETURN VALVE DETAILS

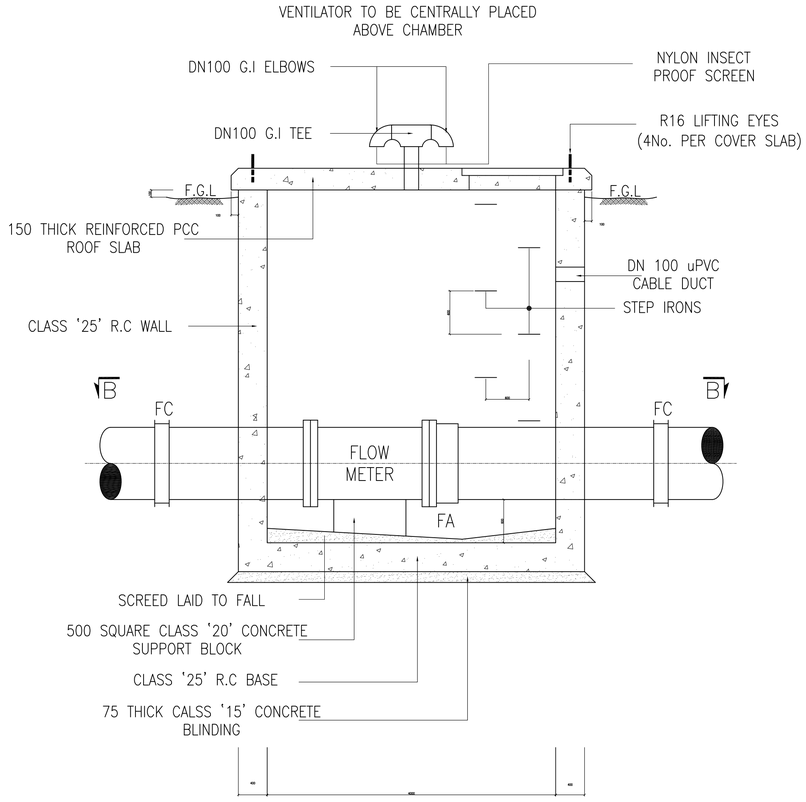
STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

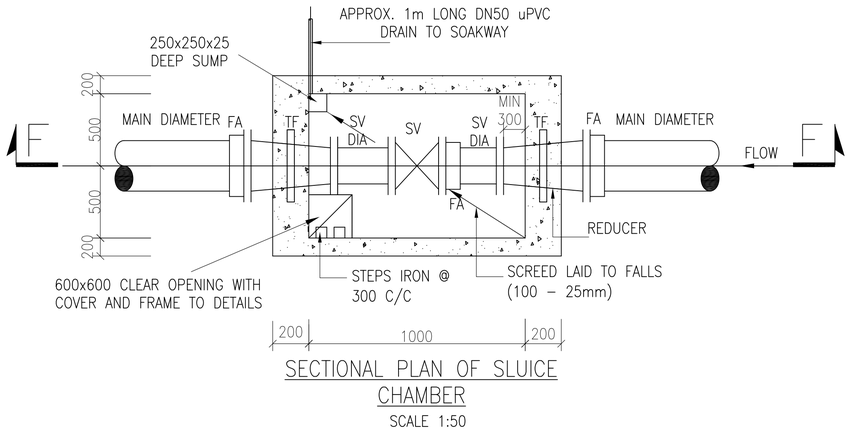
Drawn	A.S	Scale(s)	1 : 200
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/07	



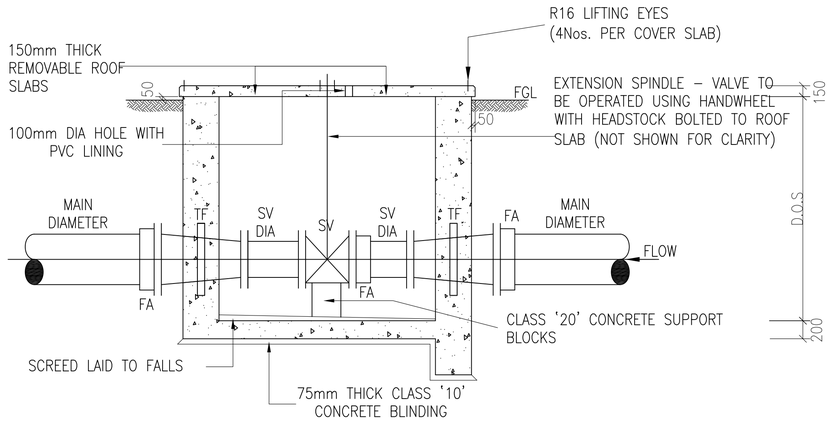
SECTIONAL PLAN B–B
FLOWMETER CHAMBER
SCALE: 1:25



SECTION A–A
SCALE: 1:25



SECTIONAL PLAN OF SLUICE
CHAMBER
SCALE 1:50



SECTION F–F
SCALE 1:50

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 20mm
6. "Y" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

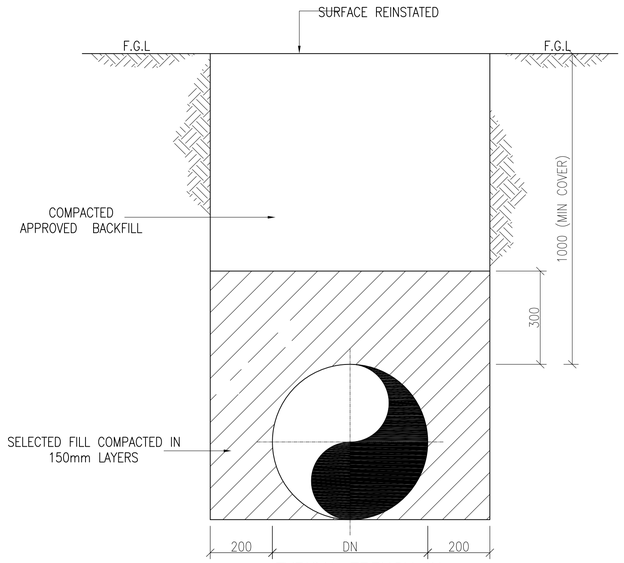
TITLE

SLUICE VALVE AND METER CHAMBERS DETAILS

STRUCTURAL/CIVIL ENGINEER

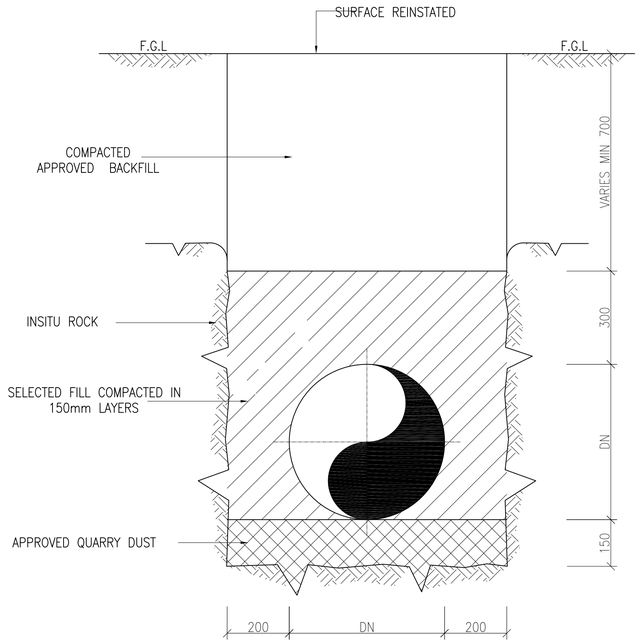
PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 200
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/08	



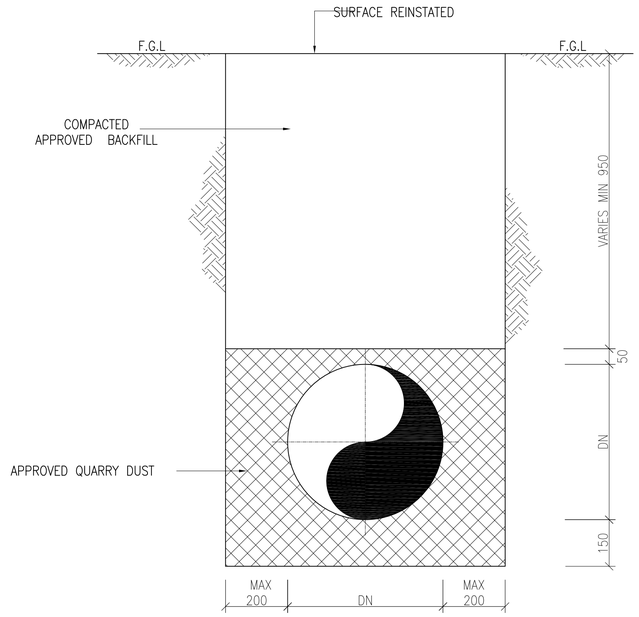
TYPICAL TRENCH IN RED SOIL

SCALE 1:10



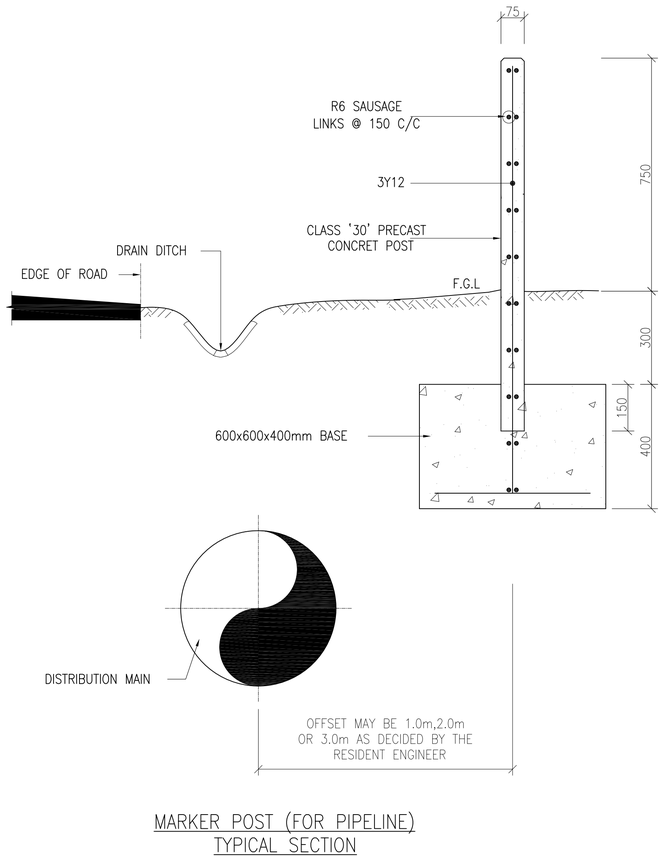
TRENCH IN ROCK

SCALE 1:10



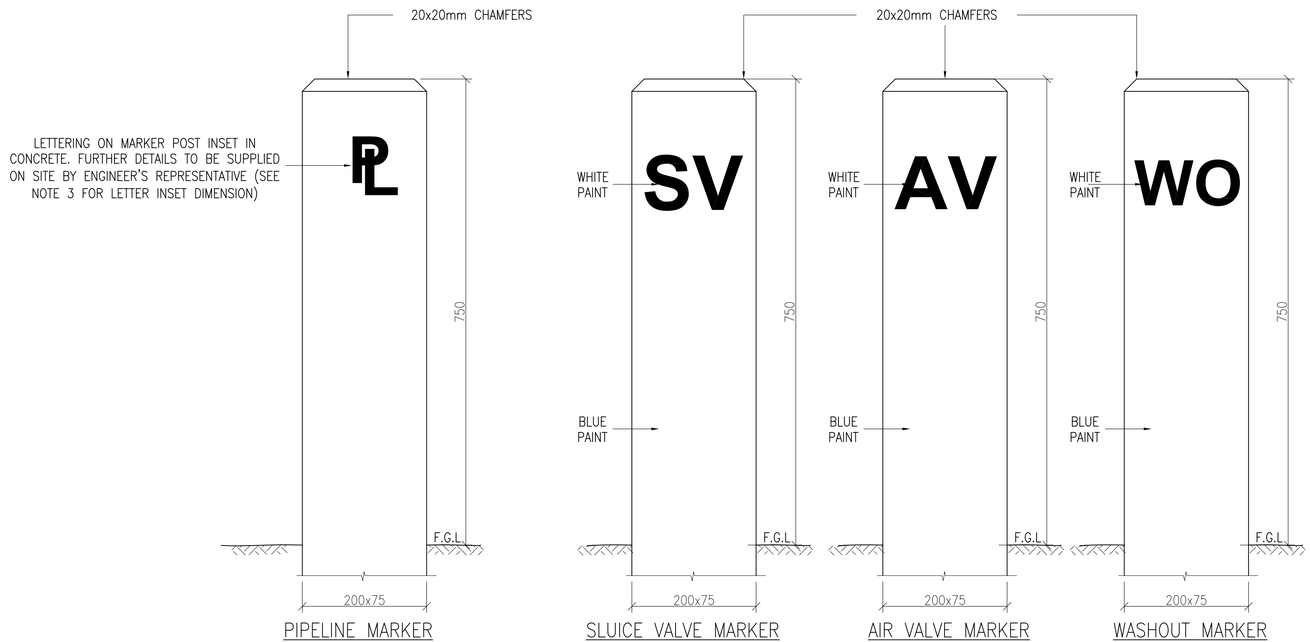
TRENCH DETAIL IN BLACK COTTON SOIL

SCALE 1:10



MARKER POST (FOR PIPELINE) TYPICAL SECTION

N.T.S



PIPELINE MARKER POST LETTERING

N.T.S

SLUICE VALVE MARKER POST LETTERING

N.T.S

AIR VALVE MARKER POST LETTERING

N.T.S

WASHOUT MARKER POST LETTERING

N.T.S

MARKER POST ELEVATIONS

(SECTION SIMILAR TO MARKER POST FOR PIPELINE)

NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 30 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 20mm
6. "Y" Denotes square twisted high yield bars to BS 4461, "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

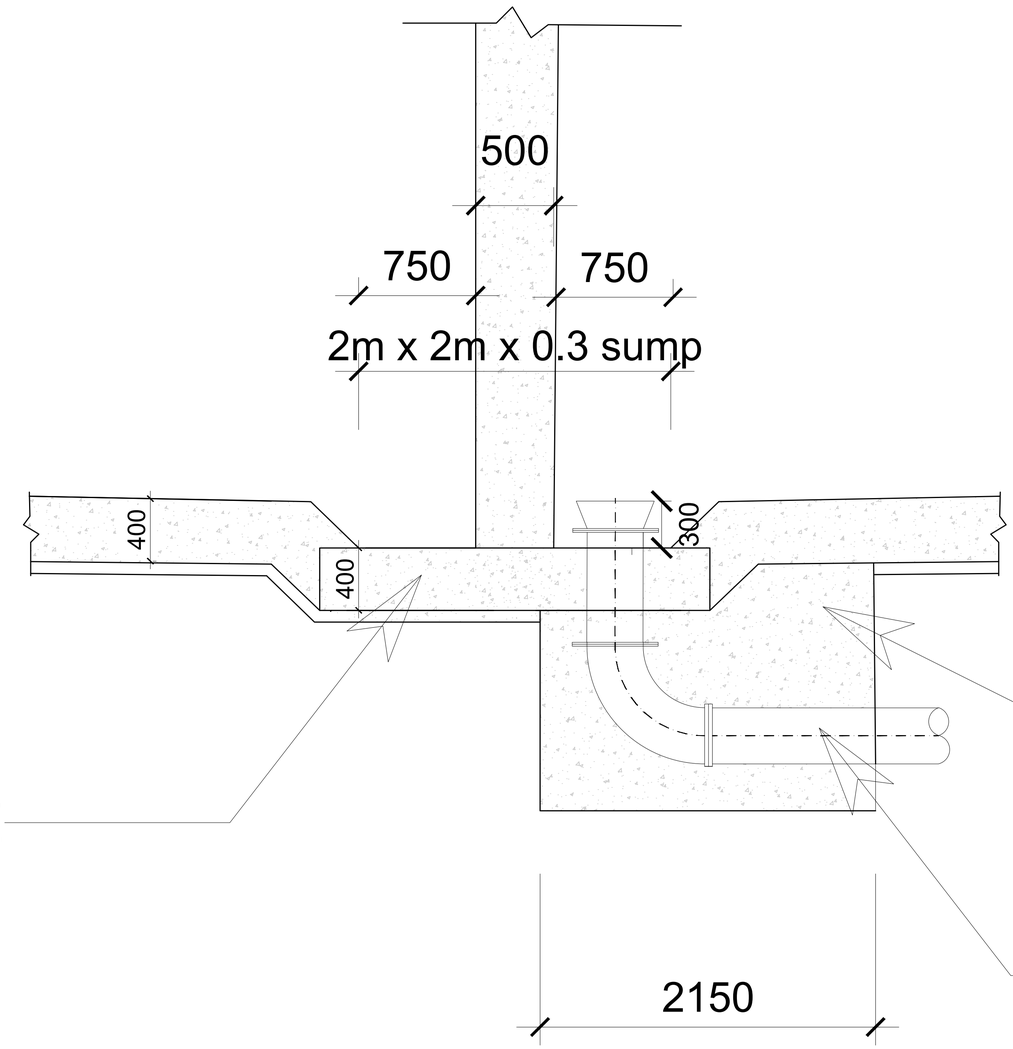
TITLE

MARKER POST DETAILS

STRUCTURAL/CIVIL ENGINEER

PC PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 200
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/09	



NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 35 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 20mm
6. "Y" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

"Maji Safi Maisha Bora"
"Quality Water Healthy Livelihood"

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

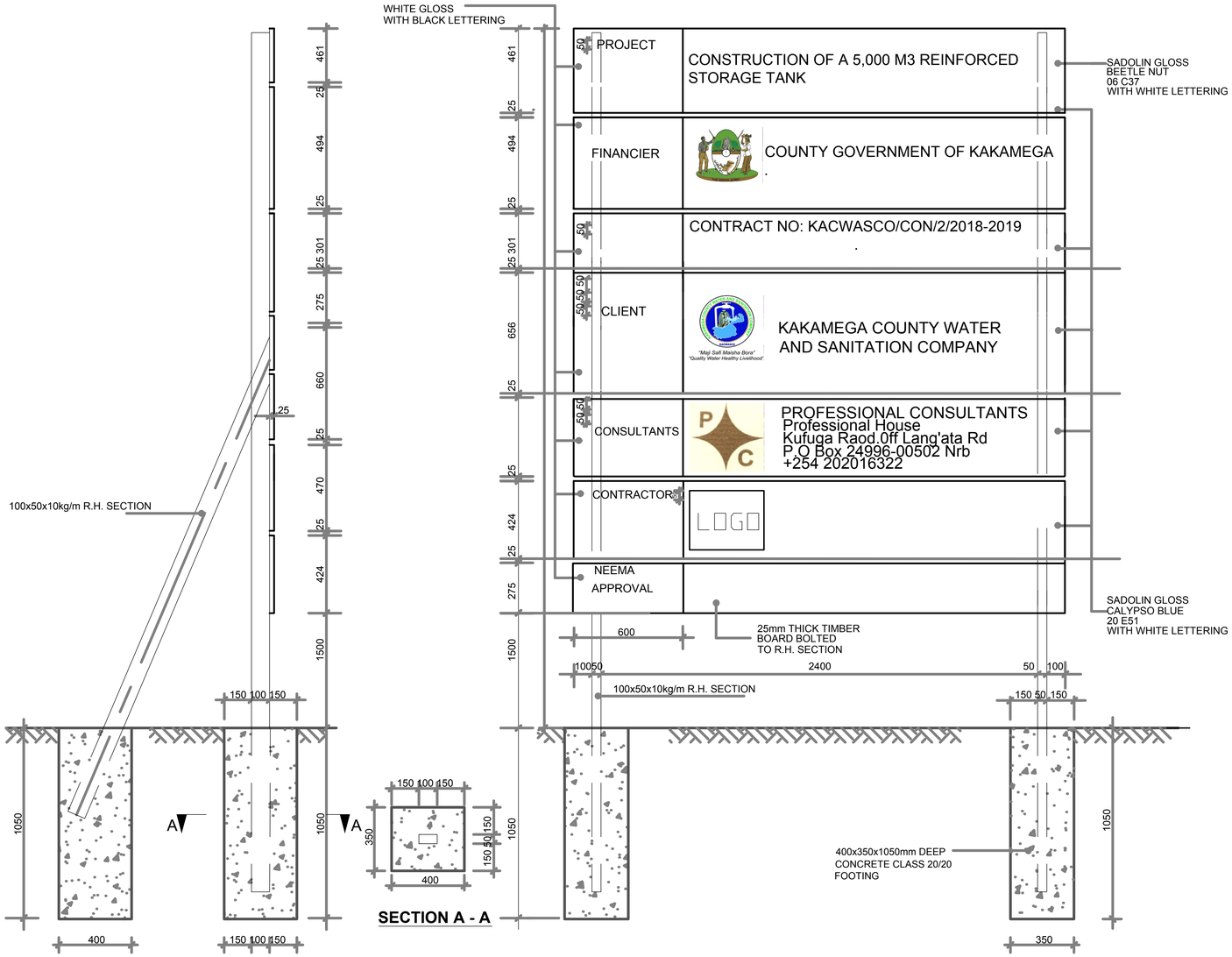
TITLE

SCOUR PIPE AND SUMP DETAILS

STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 200
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/11	



NOTES

1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. Reinforced concrete to be grade 35 for all structural elements.
4. Cement used for all structural members must be POWER PLUS or approved equivalent cement.
5. Cover to main reinforcement to be as follows:
   (a) Foundation = 50mm
   (b) Columns = 40mm
   (c) Beams = 30mm
   (d) Slabs = 20mm
6. "Y" Denotes square twisted high yield bars to BS 4461. "R" Denotes round mild steel bars to BS 4449.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the formwork.
8. Mass concrete to be grade 15
9. GBP assumed to be 150 kN/m2

REVISIONS

Date	Suffix	Descriptions

CLIENT

COUNTY GOVERNMENT OF KAKAMEGA

KAKAMEGA COUNTY WATER AND SANITATION COMPANY (KACWASCO)

PROJECT

PROPOSED 5000M3 REINFORCED CONCRETE RESERVOIR TANK AT MILIMANI KAKAMEGA COUNTY FOR KACWASCO

TITLE

SIGNBOARD

STRUCTURAL/CIVIL ENGINEER

PROFESSIONAL CONSULTANTS
Consulting Engineers
P.O.Box 45792,
Nairobi.
EMAIL: professional.consultantske@gmail.com

Drawn	A.S	Scale(s)	1 : 200
Designed	A.S	Date	APRIL 2019
Checked	J.L	Date	APRIL 2019
Approved		Date	
JOB No. J573		DRG No. J573/STR/10	