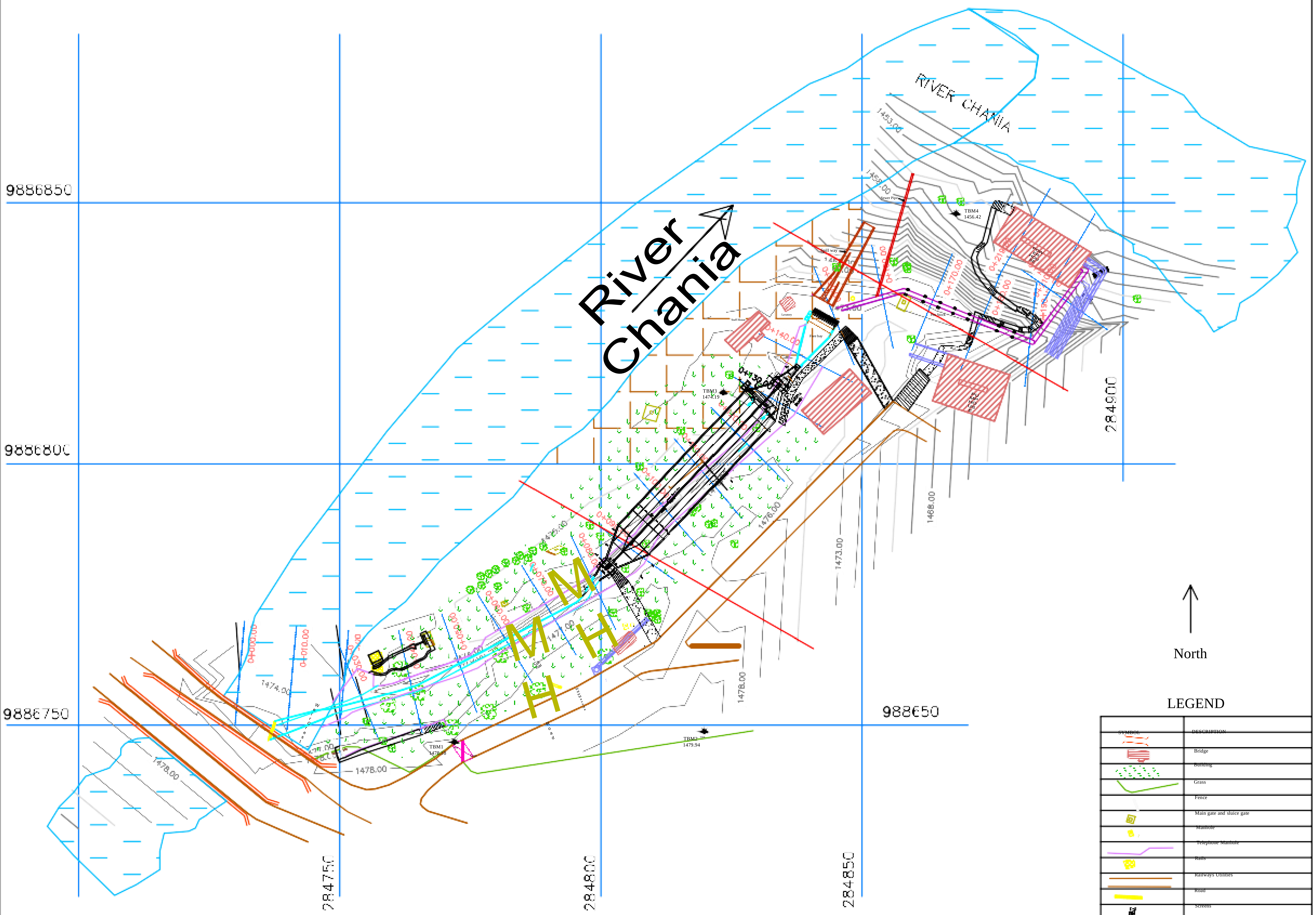
THIKA WATER AND SEWERAGE COMPANY

BOOK OF DRAWINGS

TABLE OF CONTENTS

01- INTAKE DETAILS



LEGEND

SYMBOL	DESCRIPTION
	Bridge
	Building
	Grass
	Fence
	Main gate and sluice gate
	Manhole
	Telephone Manhole
	Rails
	Railways Utilities
	Road
	Screens
	Stair Case
	Permenent Bench Mark
	Tree
	Walk Way
	Water Canal
	Water Pipe
	Penstock
	Utility Pole
	Transformer

SCALE 1:250

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 30 slots in every flocculation chamber are 400mm wide
9. The last 16 slots in every flocculation chamber are 300mm wide
10. All wall widths are 250mm except for baffle walls which are 100mm

REVISIONS		SIGN	DATE	APPROVED
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			

THIKA WATER AND SEWARAGE COMPANY

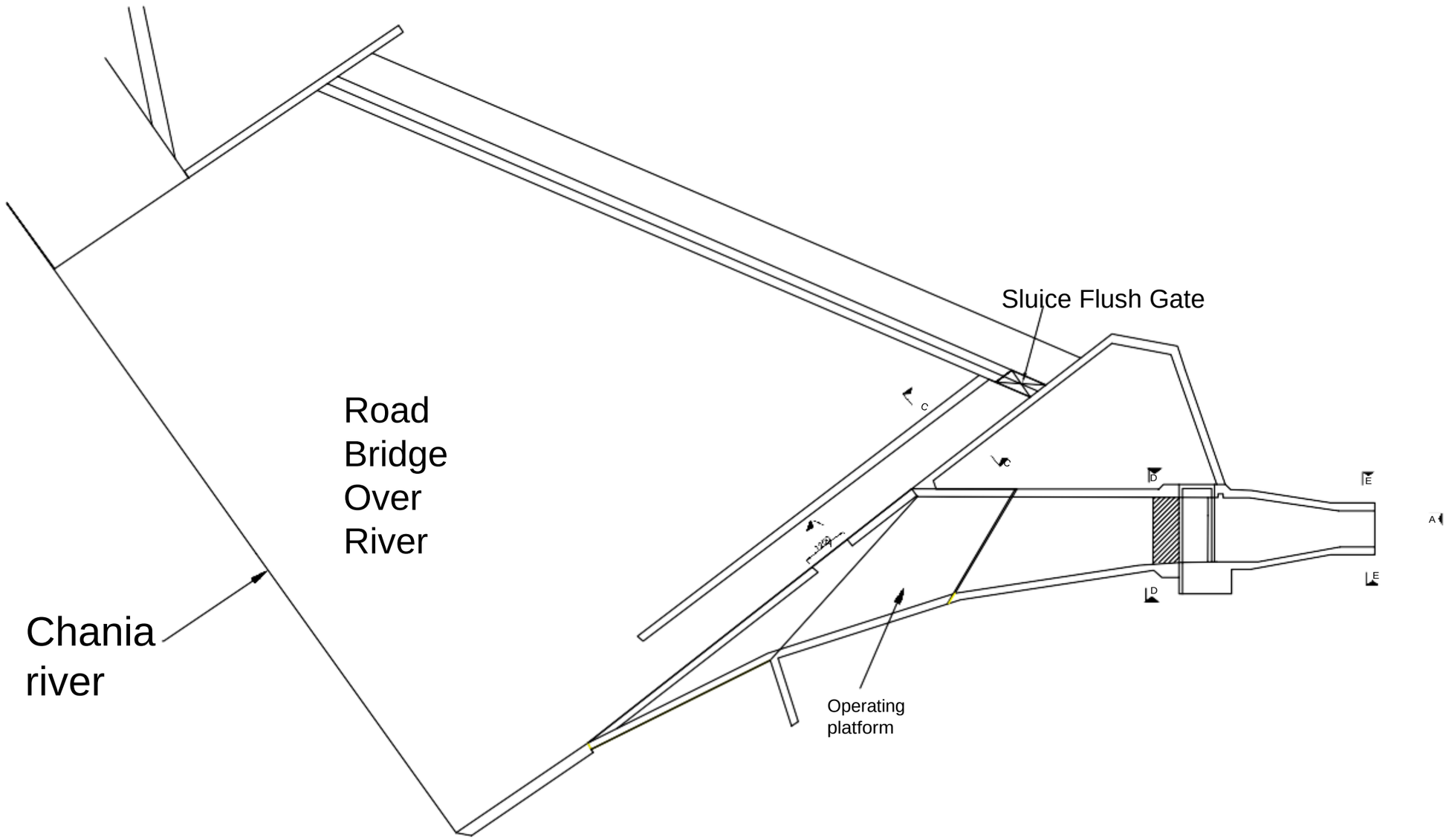
SIGN .... DATE ....

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 178 815
MOBILE:+254721220829

TOPOGRAPHIC SURVEY OF CHANIA INTAKE IN THIKA

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-01



WEIR PLAN LAYCUT
SCALE 1:100

AVIC GATE FLOW CONTROLLER REQUIRED

Nominal Controlled flow	2.0m³/sec
Canal Nominal Operational Range	1475.12 to 1472.94m.a.s.l
Upstream Water level	1475.14 m.a.s.l
Minimum Water level	1474.00m.a.s.l (Weir elev. 1474.00m.a.s.l)
Maximum Flood Water level	1475.85m.a.s.l (As-built elev. 1475.75m.a.s.l)

NOTES

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2. This drawing must not be scaled, only figured dimensions should be used
3. **Reinforced concrete to be grade 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 300mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 250mm Unless otherwise stated**

No.	Revisions / Notes	Sign	Date	Approved
4				
3				
2				
1				

Client

THIKA WATER AND SEWARAGE COMPANY

MD ..... Date .....

Project

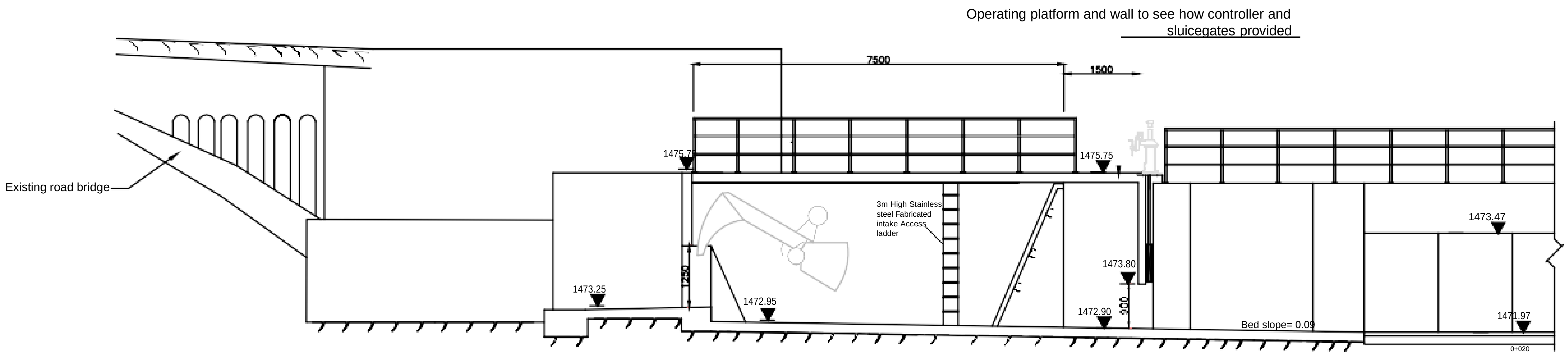
THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Civil & Structural Engineer

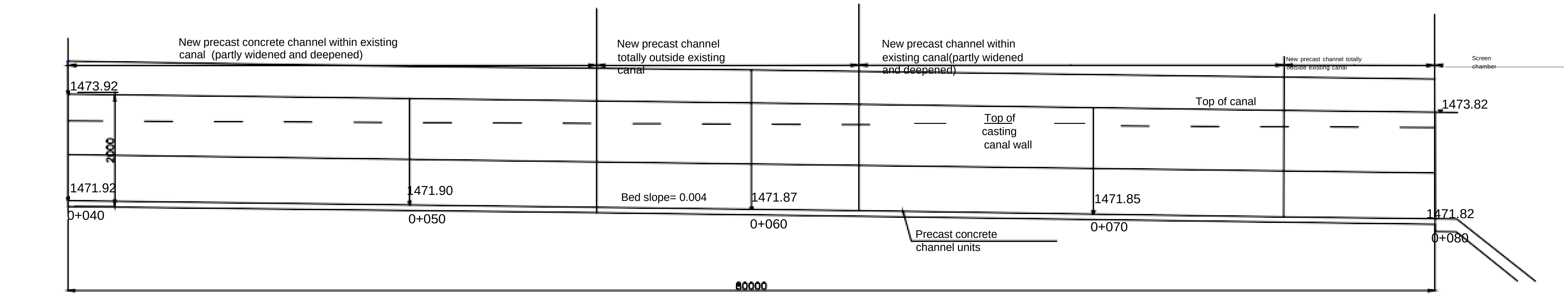
Drawing Title

INTAKE STRUCTURE - PLAN AND SECTIONS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	ENG. P. WAMBUKI
Scale: AS SHOWN	Date JAN 2018
JOB NO.	STRECCO-2018/02
DWG NO.	SRC/W/01-02



SECTION A–A
SCALE 1:250



LONGITUDINAL SECTION A–A DETAILS
SCALE 1:250

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 250mm Unless otherwise stated**

CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN .... DATE ....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

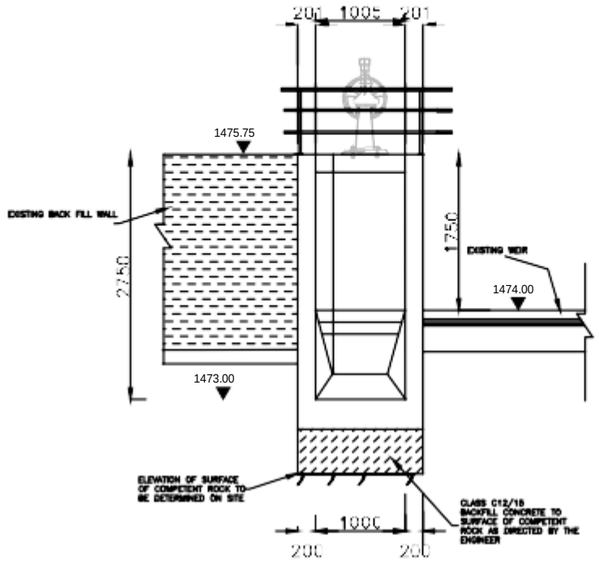
Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O.BOX 1929-00100 NAIROBI
TEL 020 2170015
MOBILE +254722720929

Drawing Title

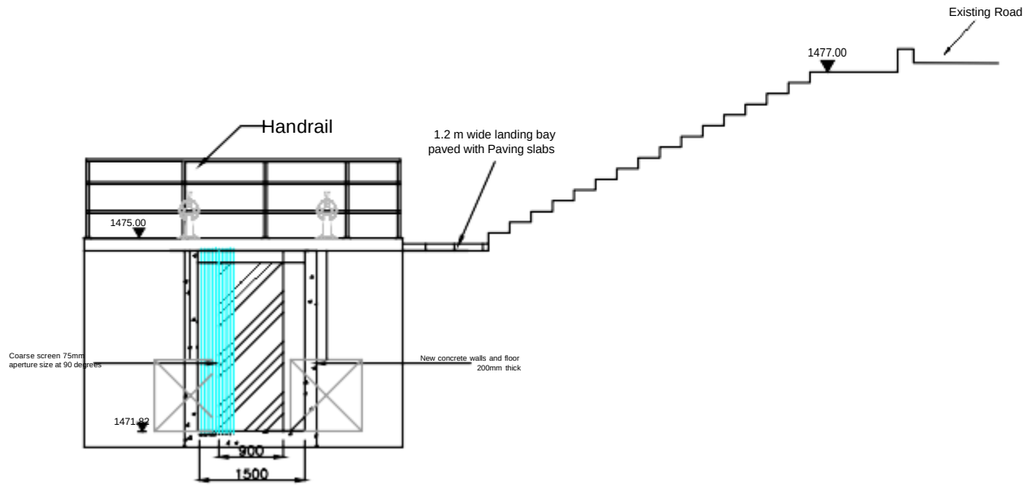
INTAKE STRUCTURE - SECTIONS DETAILS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	ENG. P. WAMBUKI
Scale: AS SHOWN	Date JAN 2019
JOB NO	STRECCO-2018/02
DWG NO:	SRC/W/01-03



SECTION C–C

SCALE 1:75

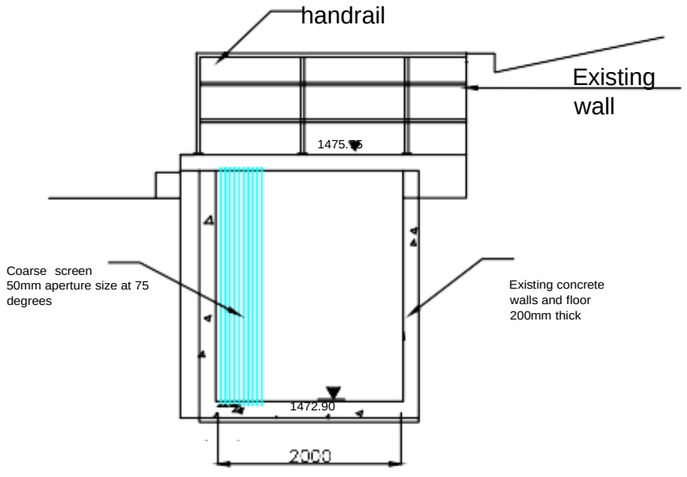


INLET SECTIONS DETAILS TO SETTLING BASIN

SCALE 1:250

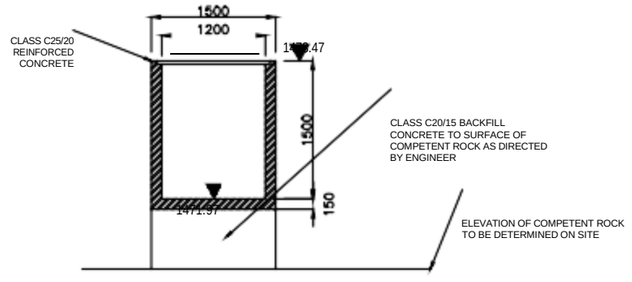
NOTES

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5628 should be used for all wall sections
7. **All wall widths are 250mm Unless otherwise stated**



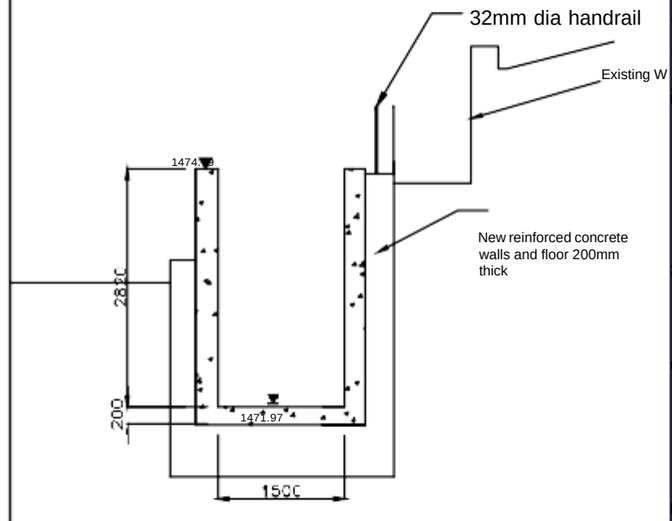
SECTION D–D

SCALE 1:250



SECTION DETAILS

SCALE 1:50



SCALE 1:250

SECTION E-E

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2	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]

CLIENT

THIKA WATER AND SEWARAGE COMPANY

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Civil & Structural Engineer

[illegible] COMPONENTS LTD

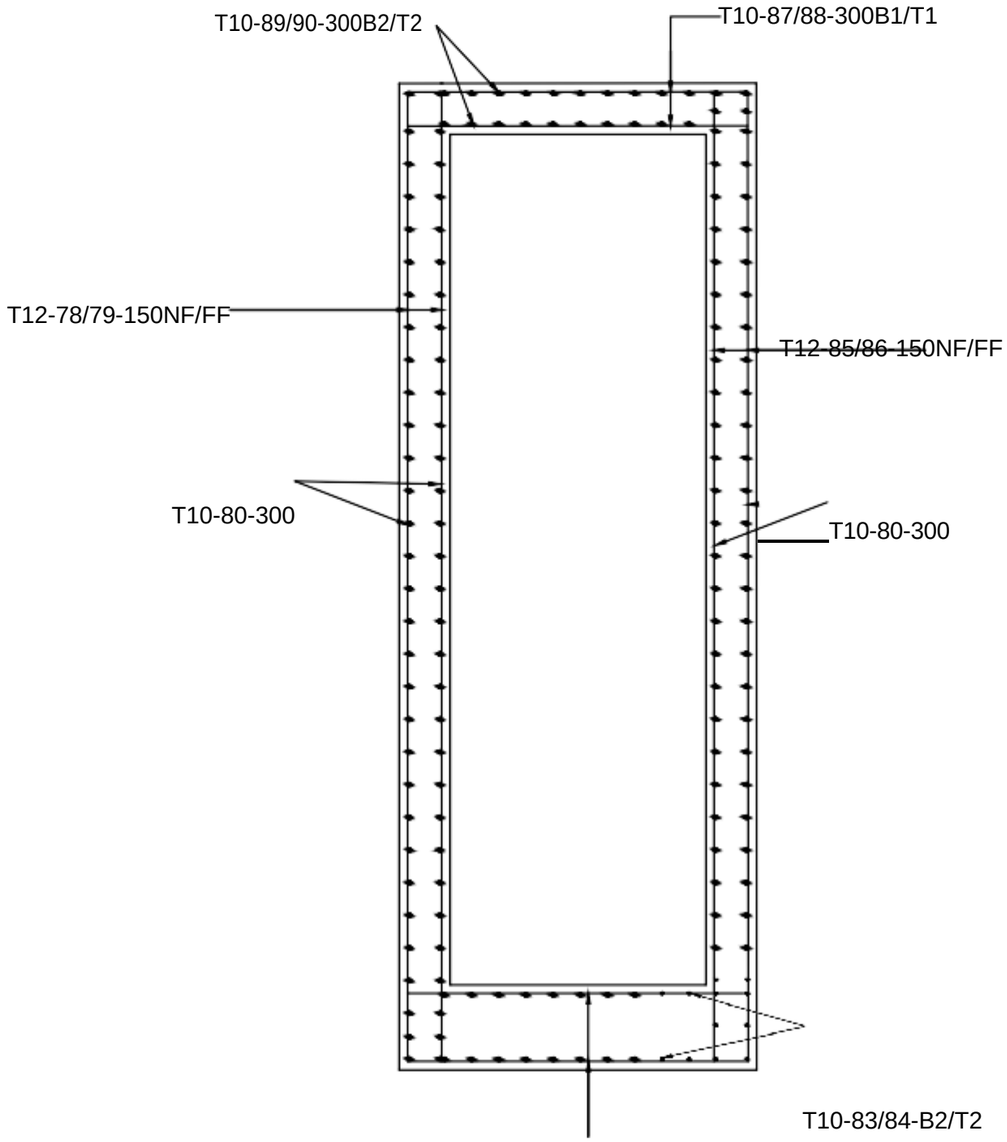
DRAWING TITLE

INTAKE STRUCTURE- SLUICE FLUSH GATE, INTAKE CANAL AND COARSE SCREENS SECTIONS DETAILS

DESIGNED BY	H.G.W
DRAWN BY	H.G.W
SCALE: AS SHOWN	
JOB NO:	ENG. P. WAMBUKI
DWG NO:	

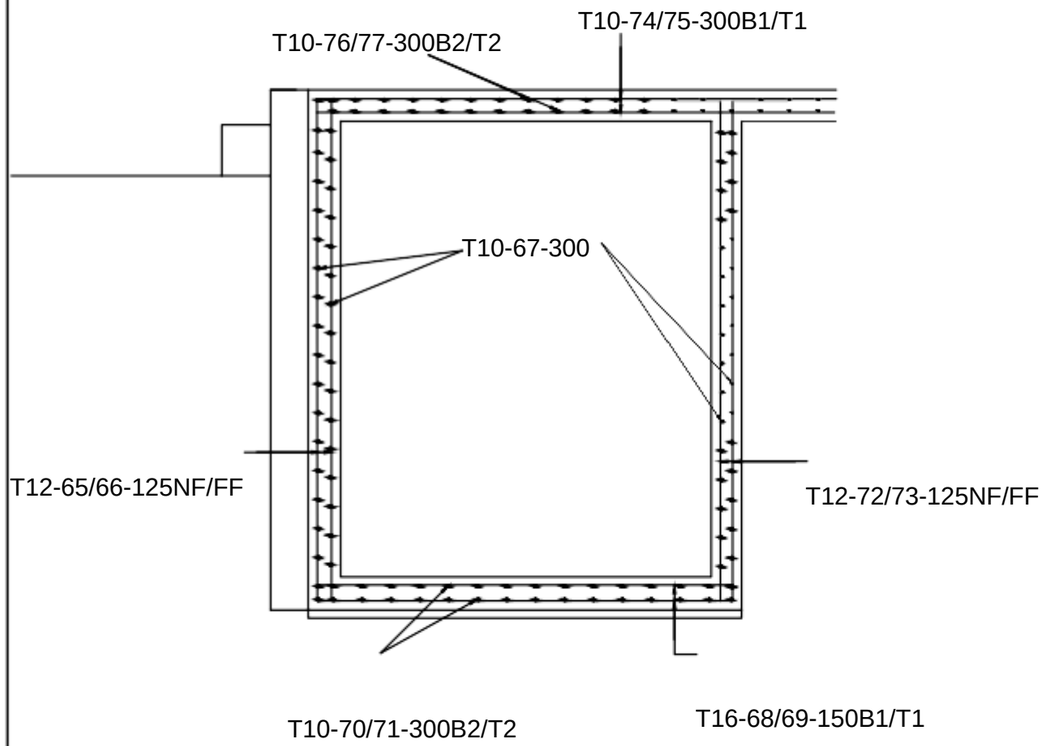
STRECCO-2018/02

SRC/W/01-04-01



SECTION C–C

SCALE1:75



SECTION D–D

SCALE 1:250

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 25**
4. All masonry walls must be reinforced with 2Omm deep iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being dic in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 250mm Unless otherwise stated**

4				
3				
2				
1				

CLIENT

THIWASCO

Project

THIKA WATER AND SEWARAGE COMPANY

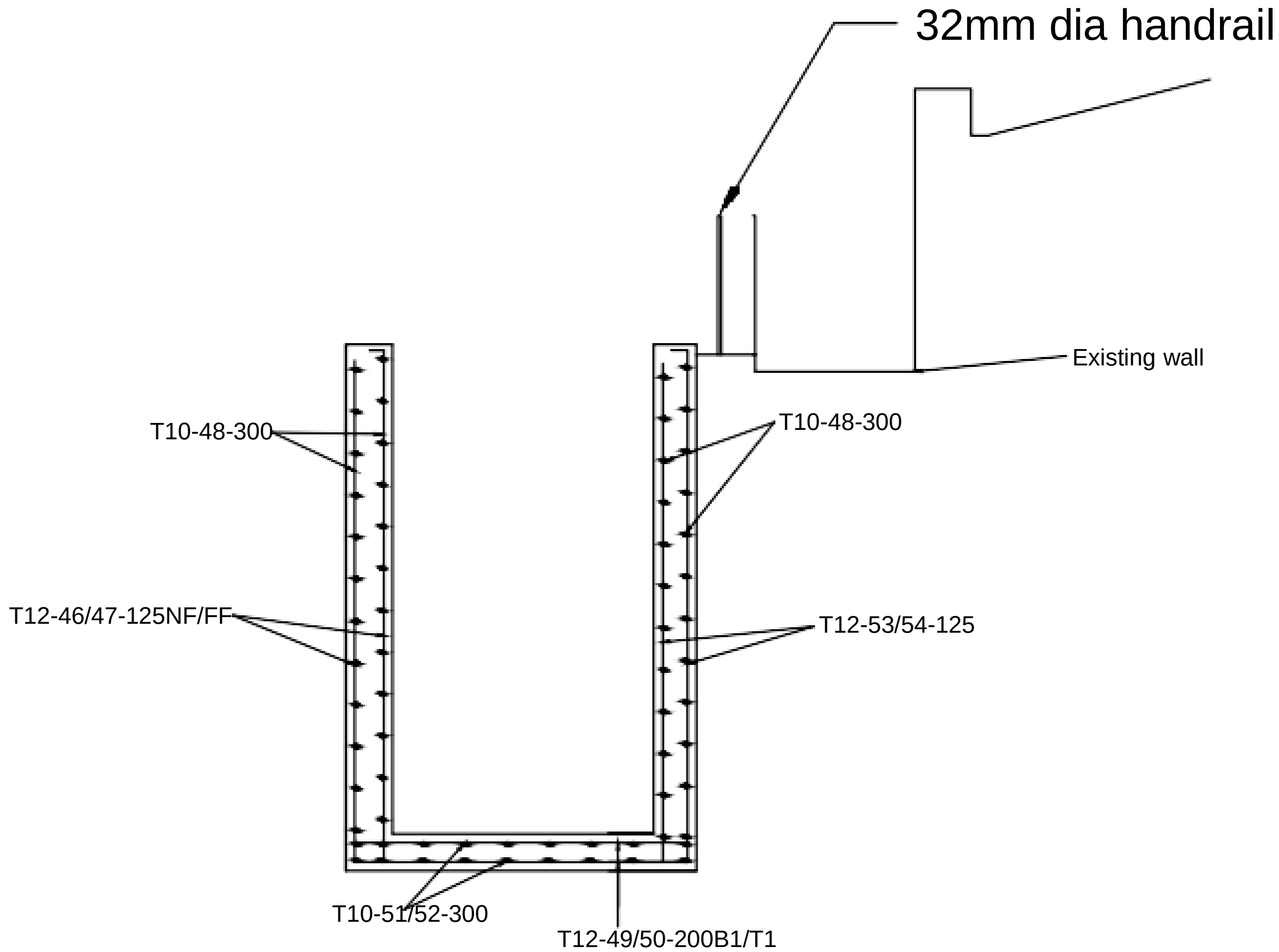
Civil & Structural Engineer

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Drawing Title

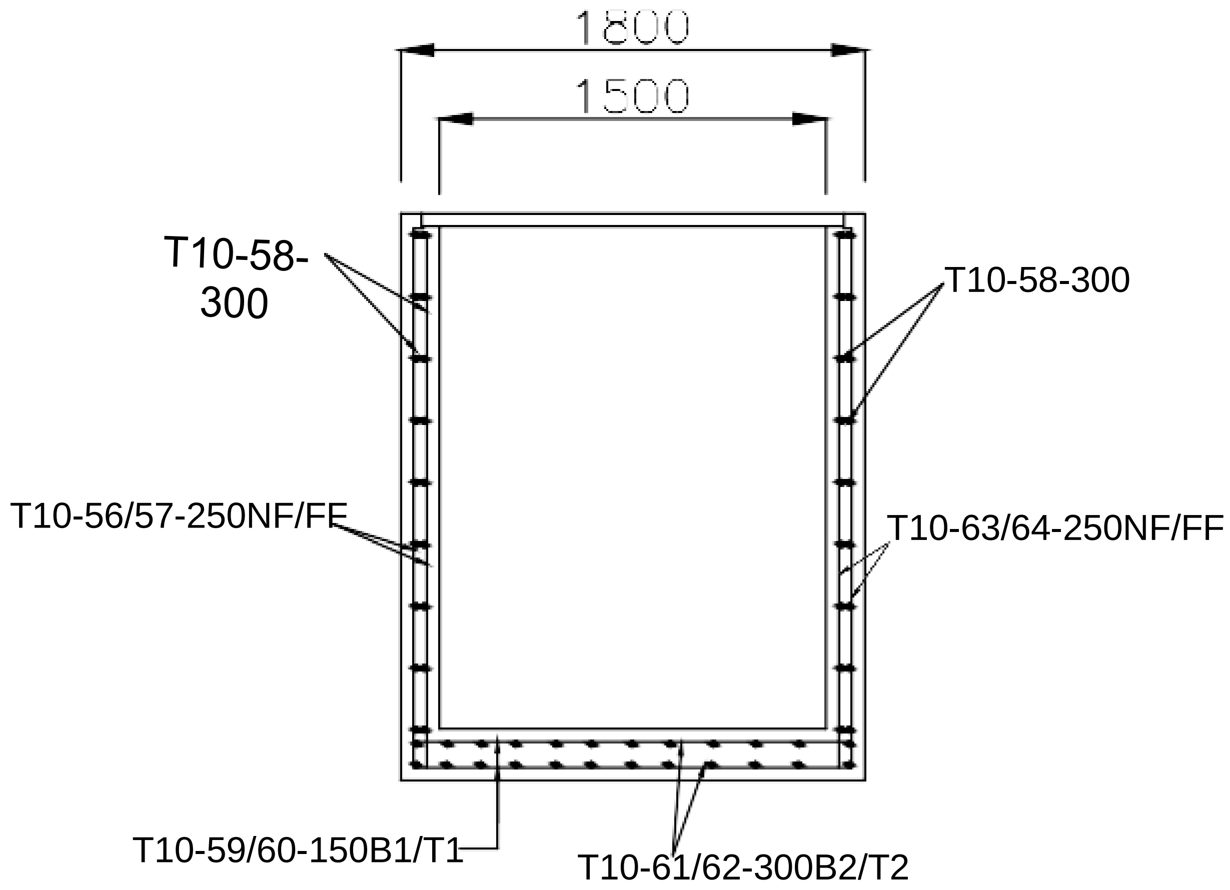
REINFORCEMENT SECTIONS - SLUICE FLUSH GATE, INTAKE CANAL AND COARSE SCREENS SECTIONS DETAILS

Designed by:	H.G.W
Drawn by:	H.G.W
Approved by:	ENG. P. WAMBUKI
SCALE: AS SHOWN	Date DEC 2018
Job NO:	
DWG NO:	



SECTION E-E

SCALE 1:250



SECTION 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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:4, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 250mm Unless otherwise stated**

	REVISIONS		SIGN	DATE	APPROVAL
4		BY			
		CHECKED			
3		BY			
		CHECKED			
2		BY			
		CHECKED			
1		BY			
		CHECKED			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN .... DATE ....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

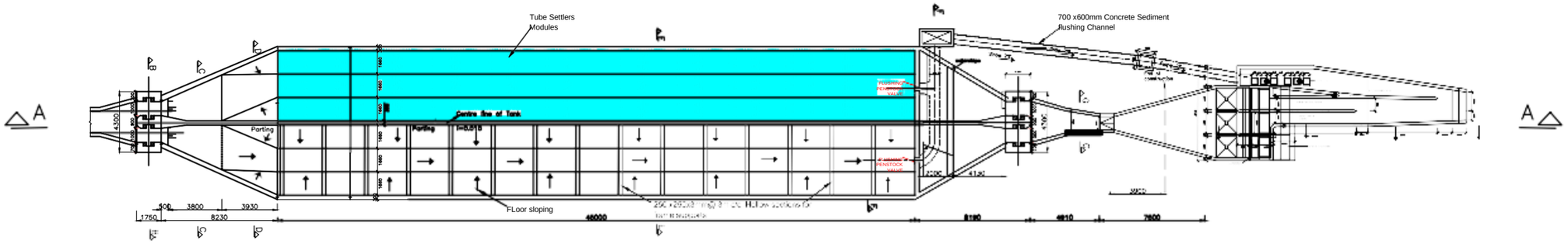
Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O BOX 19223-00100, NAIROBI
TEL: 020 2 174 515
MOBILE: +254721220520

Drawing Title

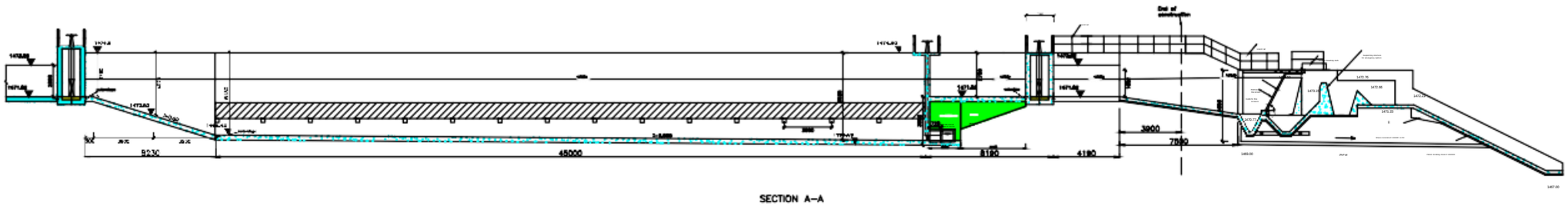
REINFORCEMENT SECTIONS - SLUICE FLUSH GATE, INTAKE CANAL AND COARSE SCREENS SECTIONS DETAILS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	ENG. P. WAMBUKI
Scale: AS SHOWN	Date DEC 2018
JOB NO	STRECCO-2018/02
DWG NO	SRC/W/01-04-02



Plan Layout of the Settling Basin

SCALE 1:200



SECTION A–A

SCALE 1:200

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 25**
4. All masonry walls must be reinforced with 25mm mesh iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS		SIGN	DATE	APPROVED
4		BY			
		CHECKED			
3		BY			
		CHECKED			
2		BY			
		CHECKED			
1		BY			
		CHECKED			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

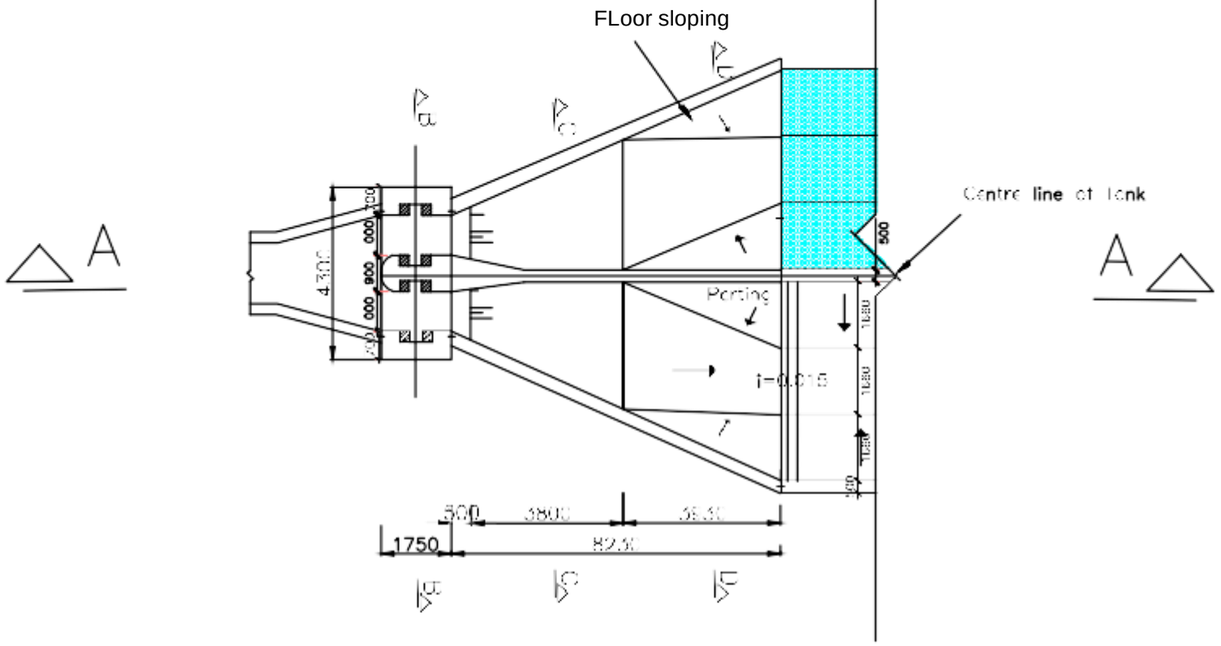
Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 14023-20100, NAKURU
TEL:2502 178 815
MOBILE:+254721220820

Drawing Title

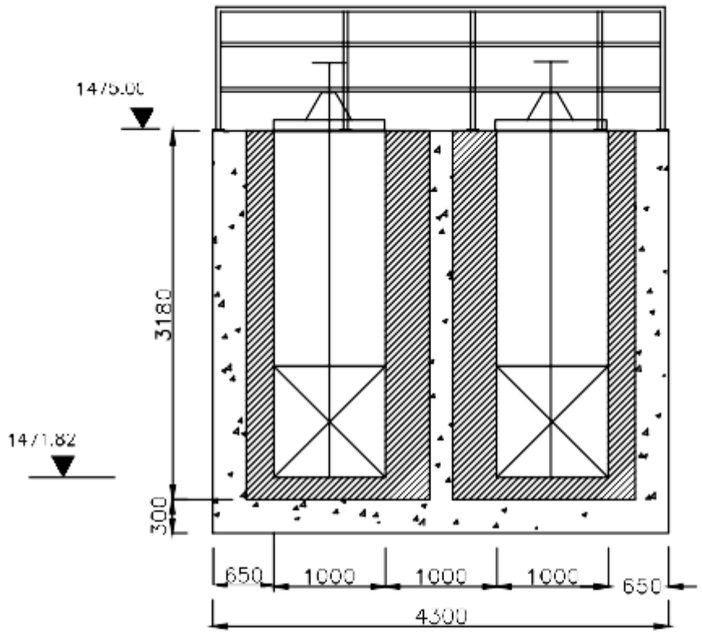
SETTLING BASIN – PLAN AND SECTIONS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO–2018/01
DWG NO:	SRC/W/01–05–01



Plan Layout of the Settling Basin

SCALE 1:500

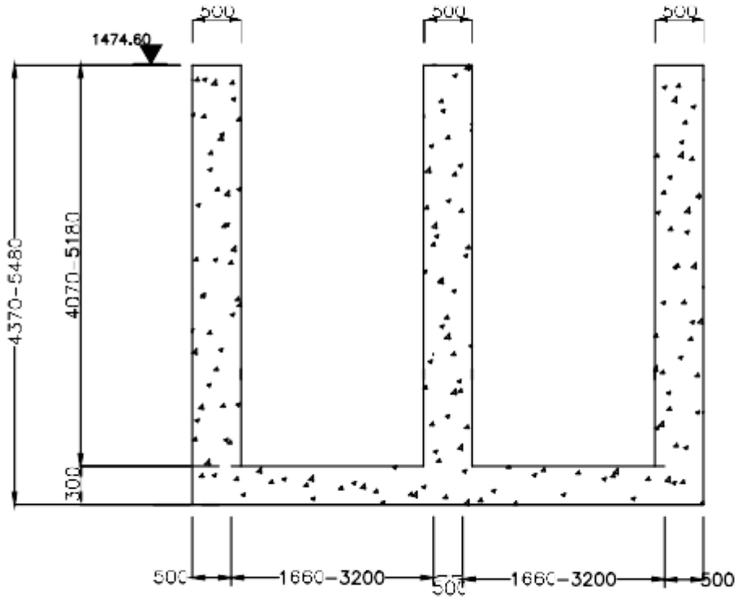


SECTION B–B

SCALE 1:200

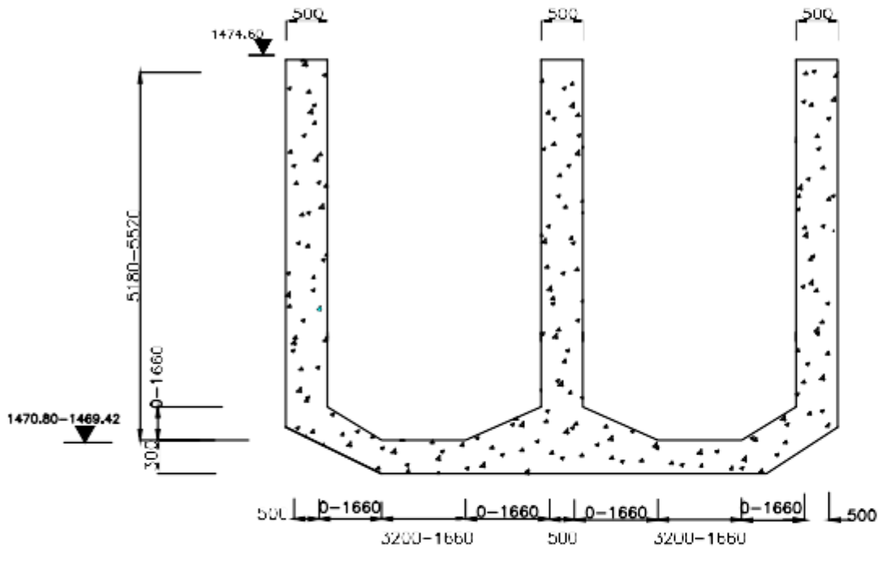
NOTES

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**



SECTION C–C

SCALE 1:200



SECTION D–D

SCALE 1:200

REVISIONS		SIGN	DATE	APPROVED
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 14023-00100, NAIROBI
TEL:2502 178 915
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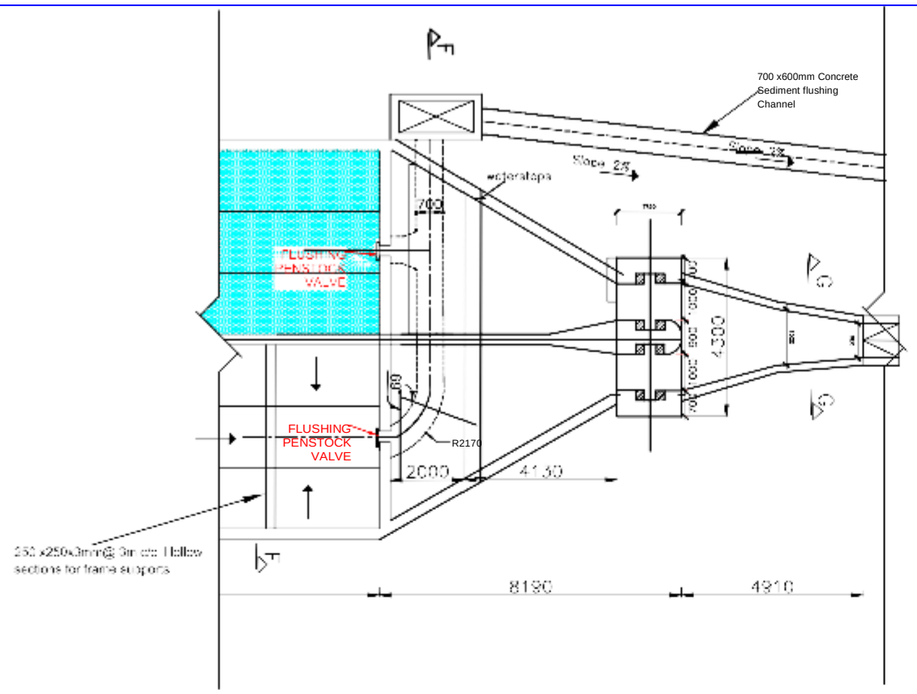
Drawing Title

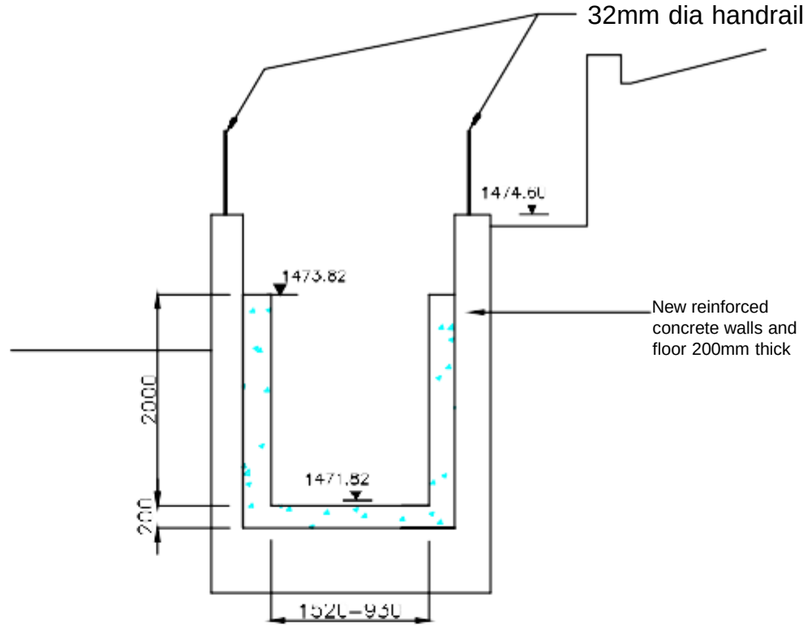
SETTLING BASIN – PLAN AND SECTIONS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-06-01



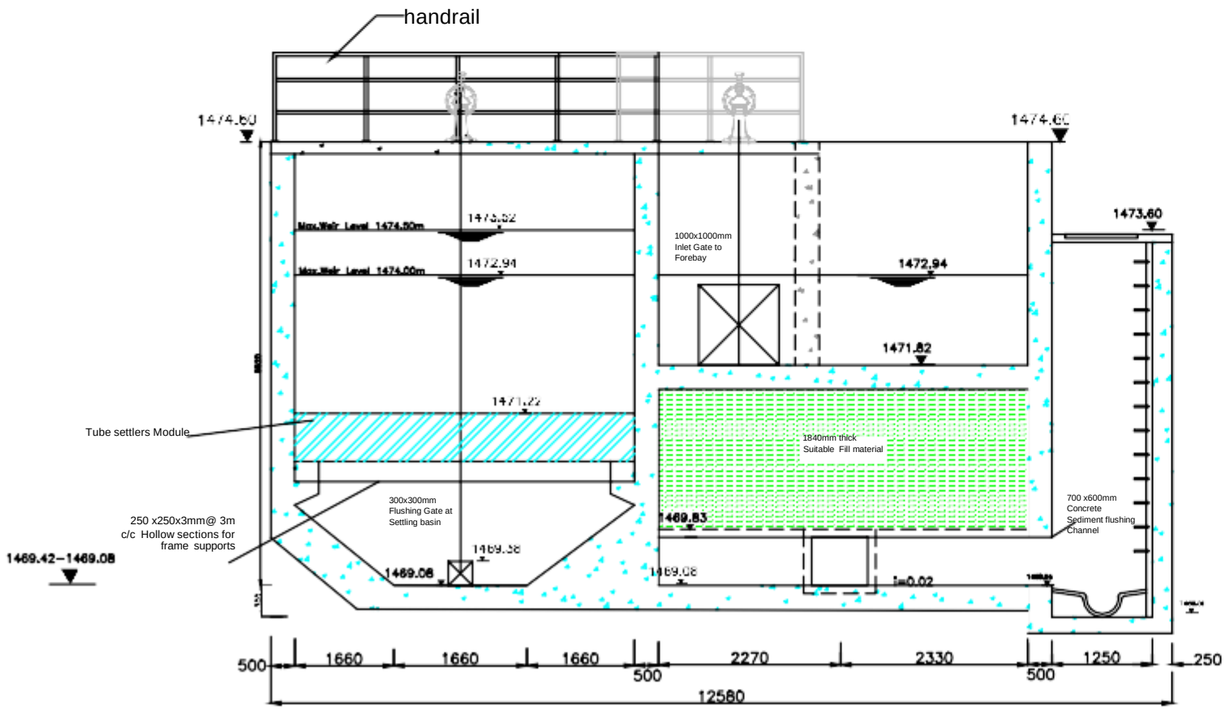
Plan Layout of the Settling Basin

SCALE 1:500



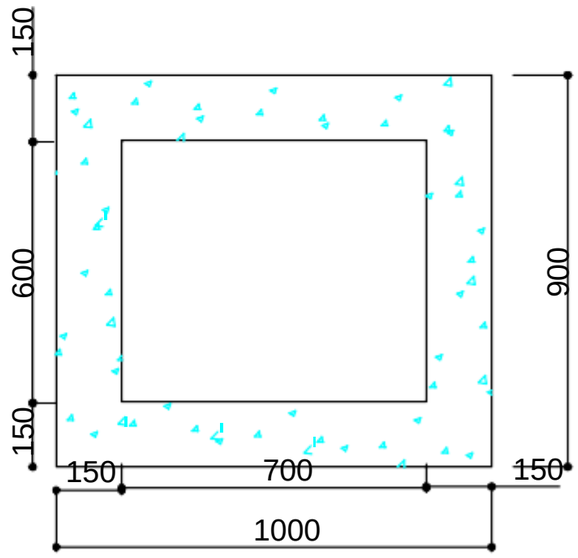
SECTION G-G

SCALE 1:250



SECTION F-F

SCALE 1:200



SEDIMENT FLUSHING CANAL DETAIL

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS	SIGN	DATE	APPROVED
4	BY / CHECKED			
3	BY / CHECKED			
2	BY / CHECKED			
1	BY / CHECKED			

CLIENT

THIKA WATER AND SEWERAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

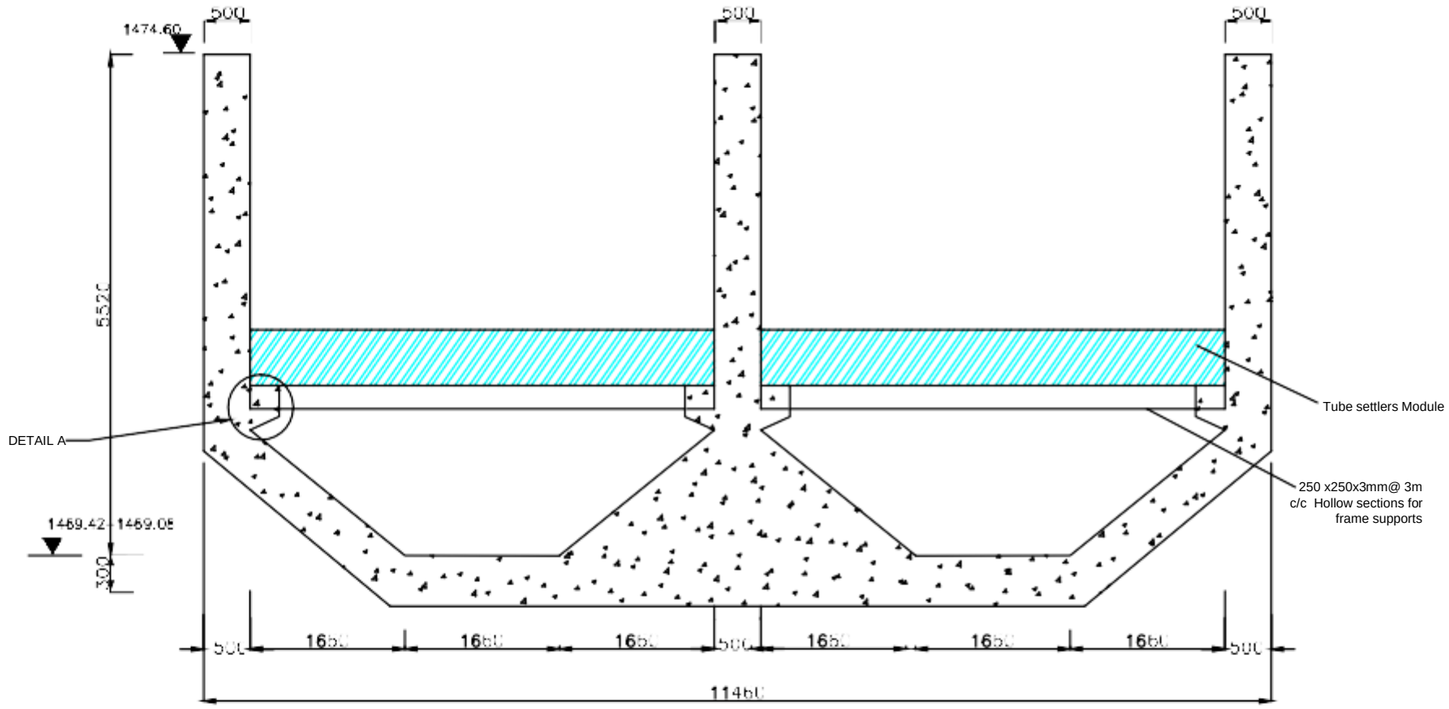
Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:2202 178 815
MOBILE:+254721220620

Drawing Title

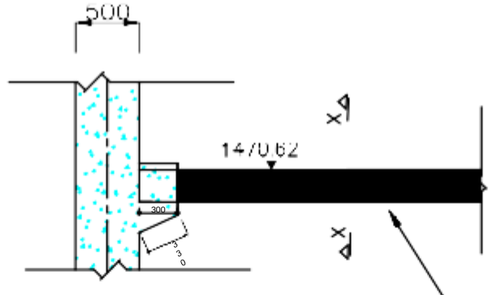
SETTLING BASIN –SECTIONS

Designed By	H.G.W
Drawn By	H.G.W
Approved By	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/0: -07



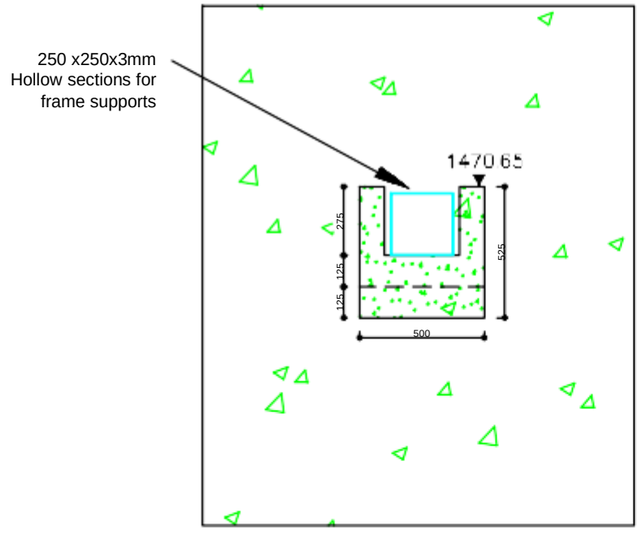
SECTION E–E

SCALE 1:200



DETAIL A

SCALE 1:75



SECTION X-X

SCALE 1:75

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being dressed in 200mm courses with 12mm mortar joints
6. A minimum of 7.5N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS		SIGN	DATE	APPROVED
4		BY			
		CHECKED			
3		BY			
		CHECKED			
2		BY			
		CHECKED			
1		BY			
		CHECKED			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

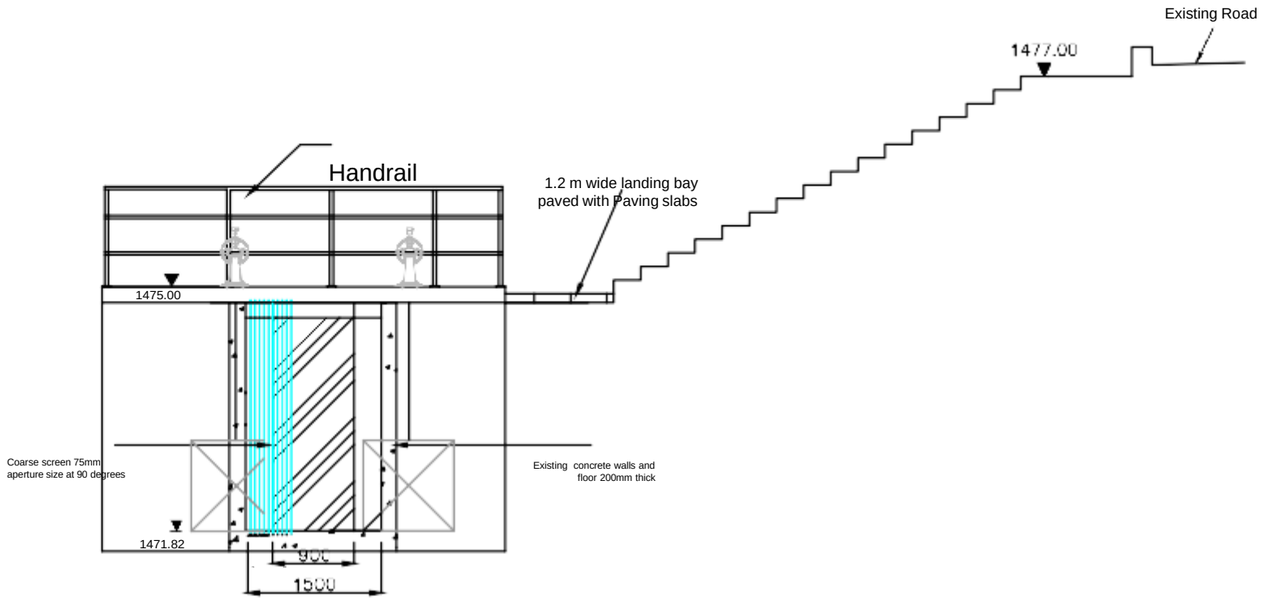
Civil & Structural Engineer

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19423-00100, NAIROBI
TEL:2502 178 815
MOBILE:+254721202899

DRAWING Title

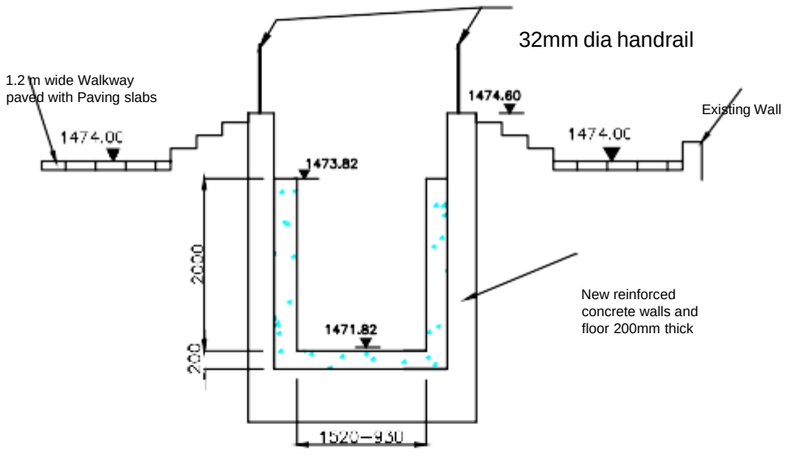
SETTLING BASIN –SECTIONS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-09



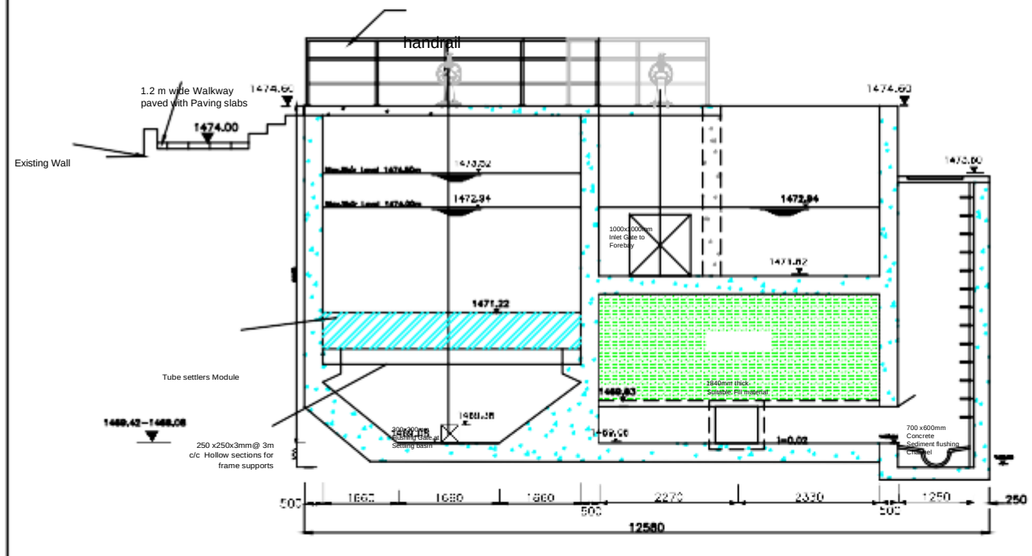
SCALE 1:250

INLET SECTIONS DETAILS TO SETTLING BASIN



SCALE 1:250

SECTION G-G



SECTION F-F

SCALE 1:200

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:4, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.5N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS	BY	SIGN	DATE	APPROVED
4		CHECKED			
3		BY / CHECKED			
2		BY / CHECKED			
1		BY / CHECKED			

CLIENT

TRIWASCO

TRIKA WATER AND SEWARAGE COMPANY

Project

TRIKA WATER EFFICIENCY IMPROVEMENT PROJECT

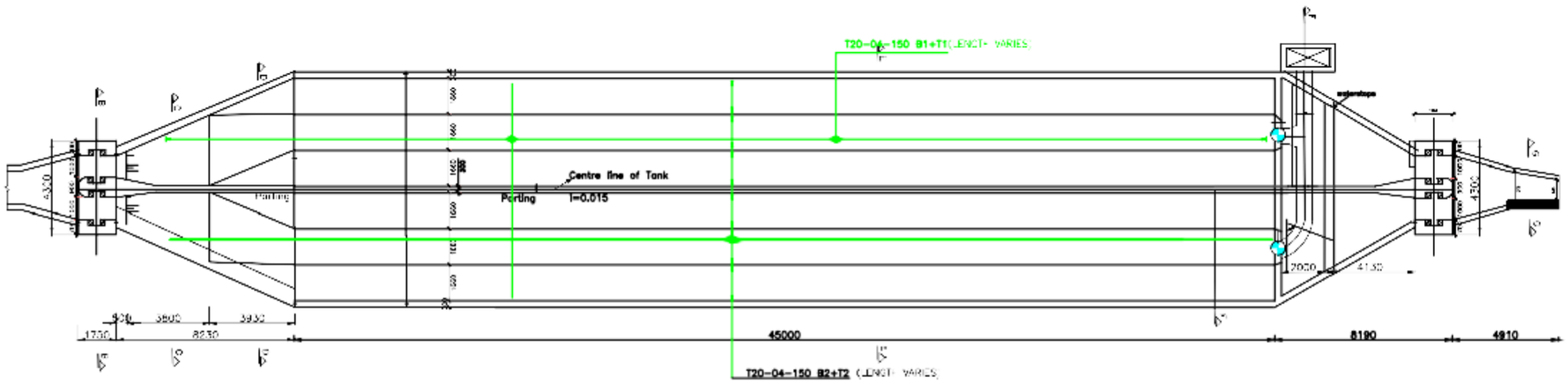
Civil & Structural Engineer

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19423-20100, NAIROBI
TEL:2502 178 815
MOBILE:+254721220889

Drawing Title

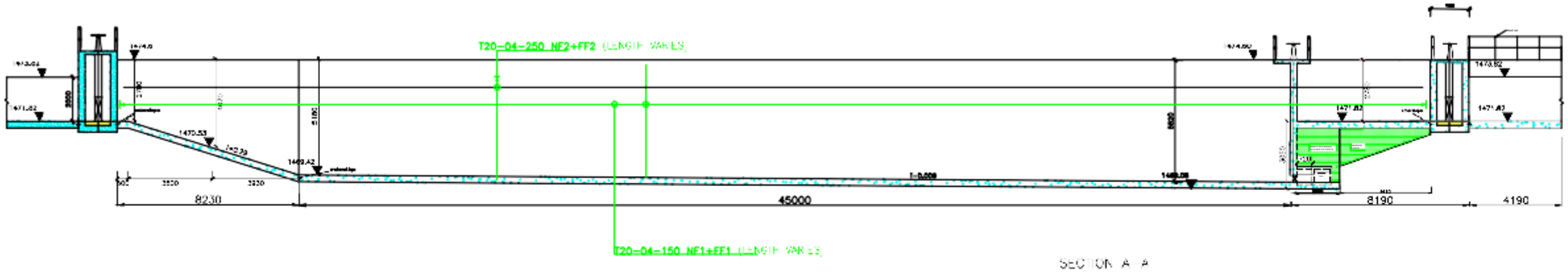
SETTLING BASIN –WALKWAY LAYOUT DETAILS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-09



Plan Layout of the Settling Basin

SCALE 1:500



SECTION A-A

SCALE 1:500

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being dressed in 250mm courses with 12mm mortar joints
6. A minimum of 7.5N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS		SIGN	DATE	APPROVED
4		BY			
		CHECKED			
3		BY			
		CHECKED			
2		BY			
		CHECKED			
1		BY			
		CHECKED			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 14823-20100, NAKURU
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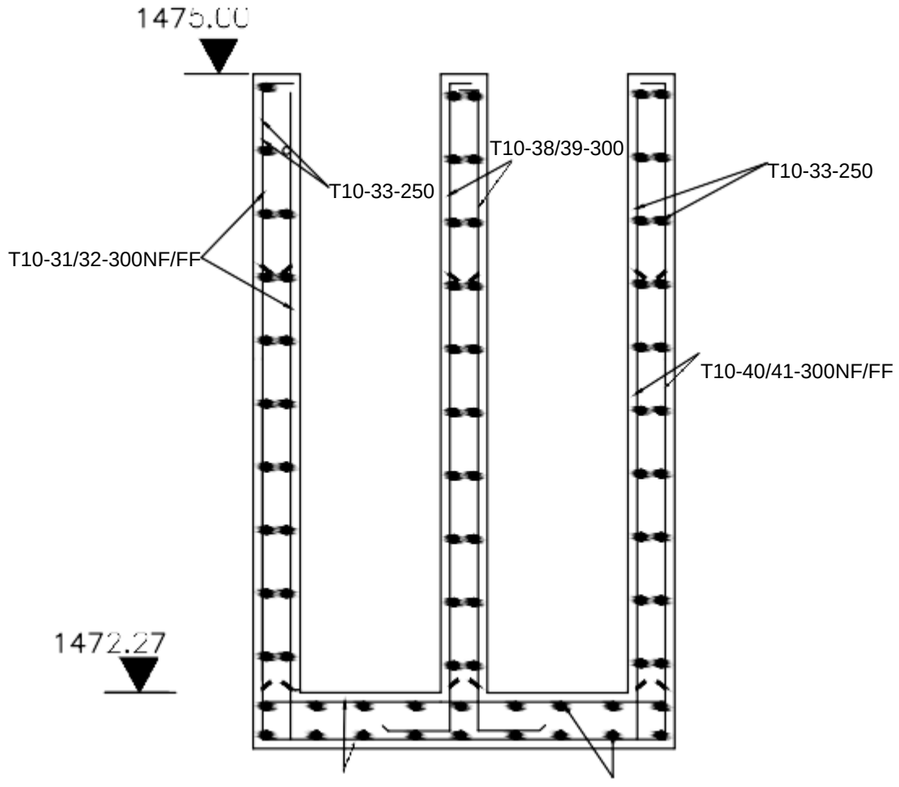
MOBILE:+254721232829

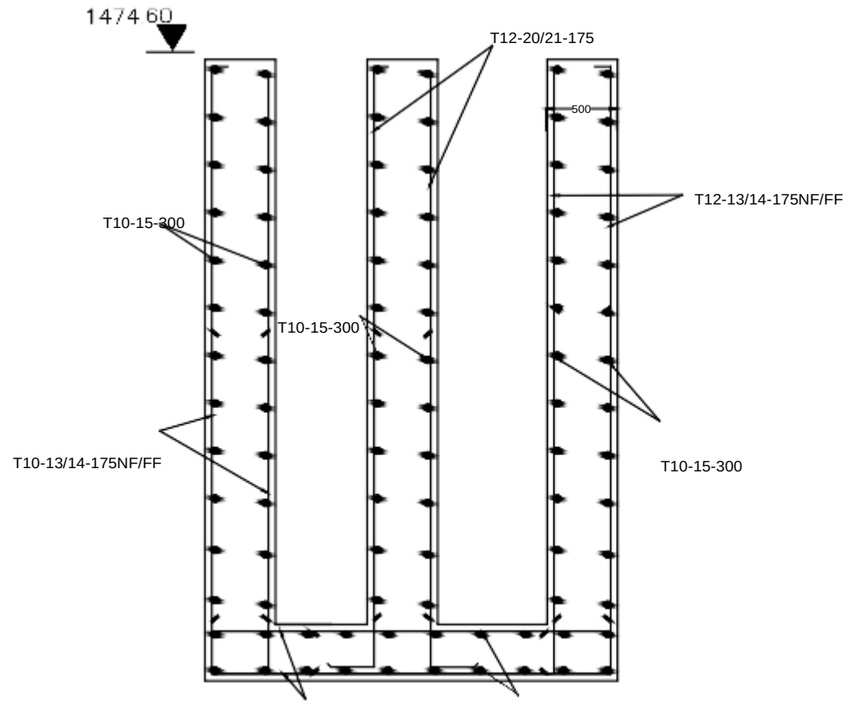
Drawing Title

SETTLING BASIN –REINFORCEMENT SECTIONS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-05-02



SECTION B-B



SCALE 1:200

SECTION C-C

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.5N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS		SIGN	DATE	APPROVED
4		BY			
		CHECKED			
3		BY			
		CHECKED			
2		BY			
		CHECKED			
1		BY			
		CHECKED			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

Project: THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

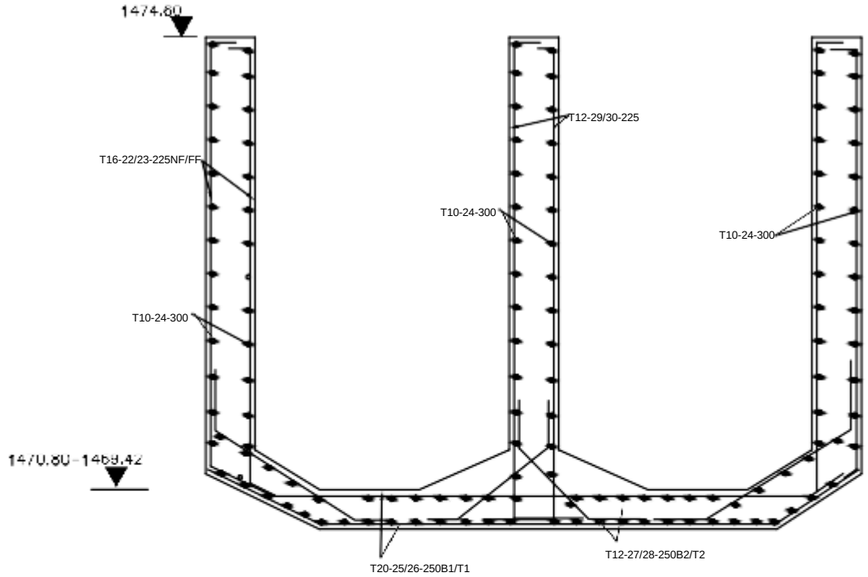
Civil & Structural Engineer

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 14223-20100, NAKURU
TEL:0202 175 815
MOBILE: 0254721220830

Drawing Title

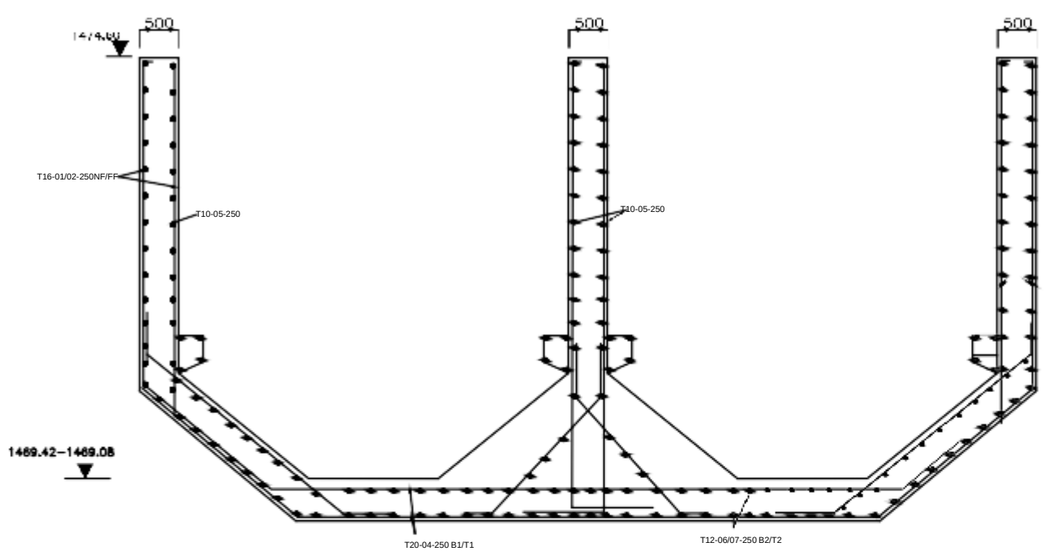
SETTLING BASIN –REINFORCEMENT SECTIONS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date: JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-06-02



SECTION D–D

SCALE 1:200



SECTION E–E

SCALE 1:200

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.5N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 500mm Unless otherwise stated**

	REVISIONS		SIGN	DATE	APPROVED
4		BY			
		CHECKED			
3		BY			
		CHECKED			
2		BY			
		CHECKED			
1		BY			
		CHECKED			

Client

THIKA WATER AND SEWARAGE COMPANY

Sign ..... Date .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

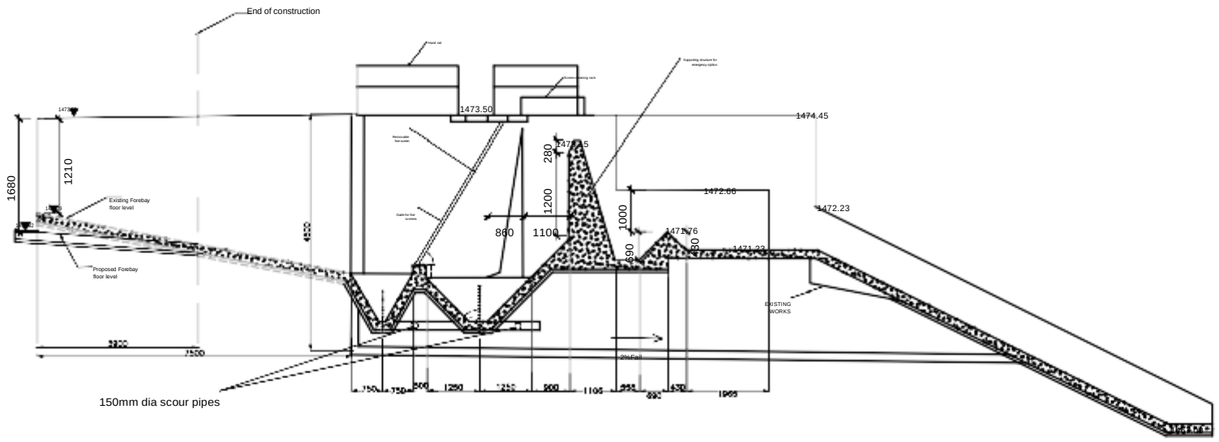
Civil & Structural Engineer

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 178 815
MOBILE:0254721220829

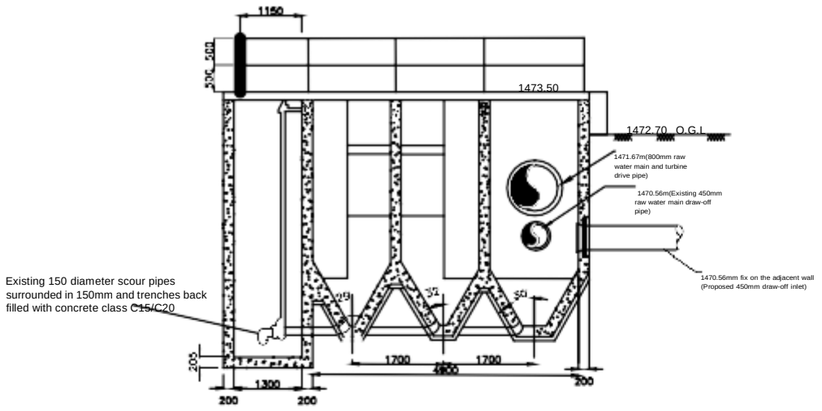
Drawing Title

SETTLING BASIN –REINFORCEMENT SECTIONS

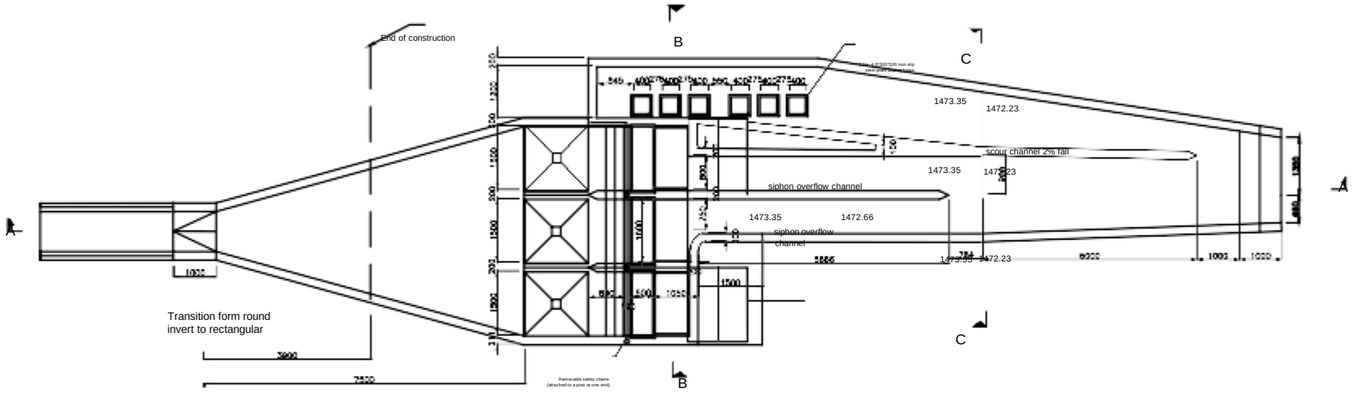
Designed By	H.G.W
Drawn By	H.G.W
Approved By	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/01-07-02



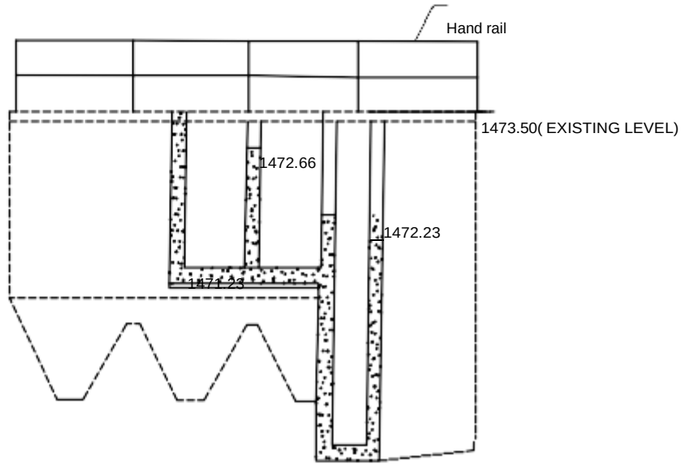
SECTION A-A



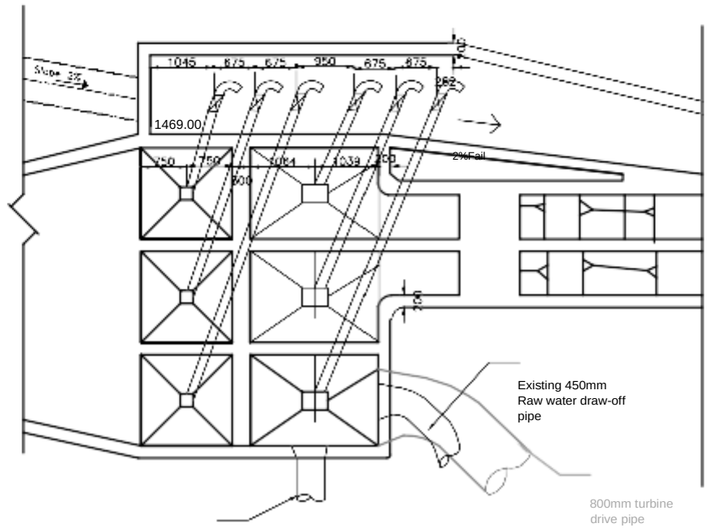
SECTION B-B



PLAN LEVEL AT 1475.00



SECTION C-C



Proposed 450mm Raw water draw-off pipe

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 25**
4. All masonry walls must be reinforced with 25mm mesh iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, 40% of the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.5N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **All wall widths are 250mm Unless otherwise stated**

NO.	REVISIONS	SIGN	DATE
5			
4			
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2			
1			

CLIENT

THIKA WATER AND SEWARAGE COMPANY

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

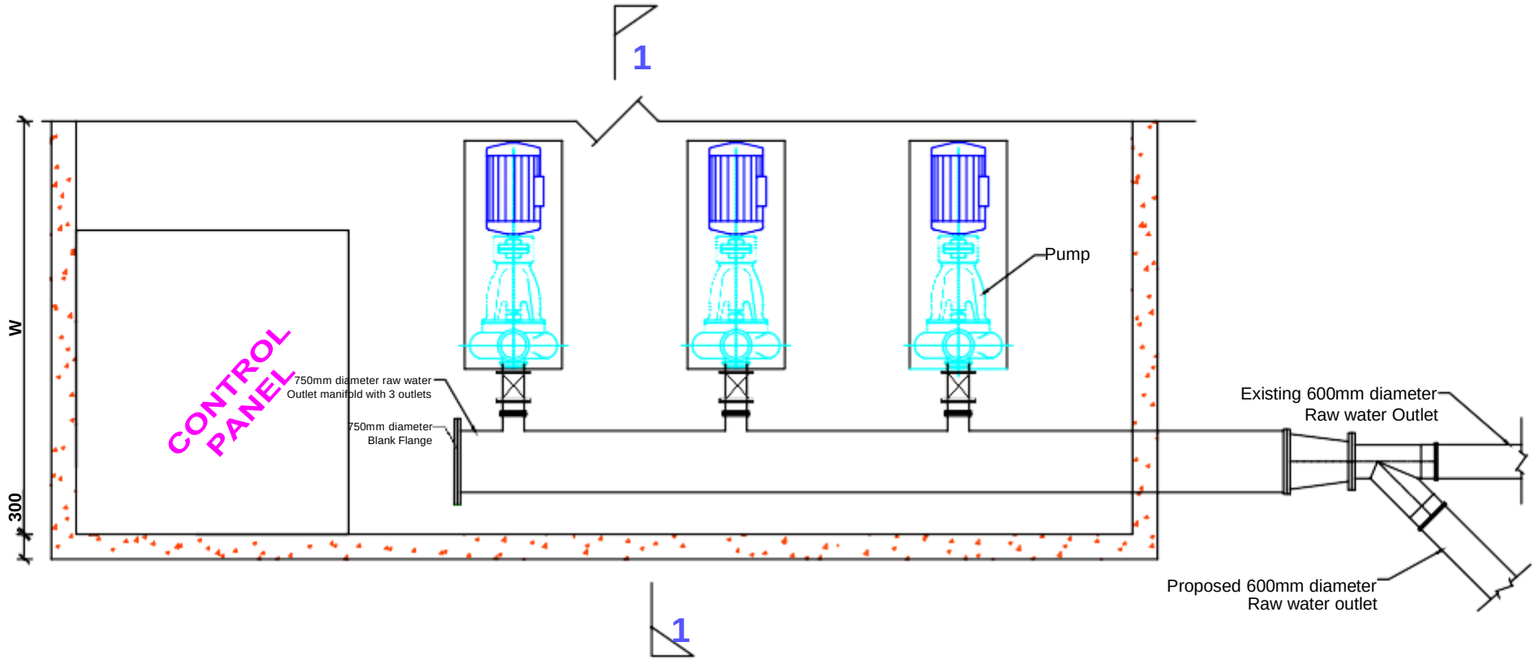
CIVIL & STRUCTURAL ENGINEER

Drawing Title

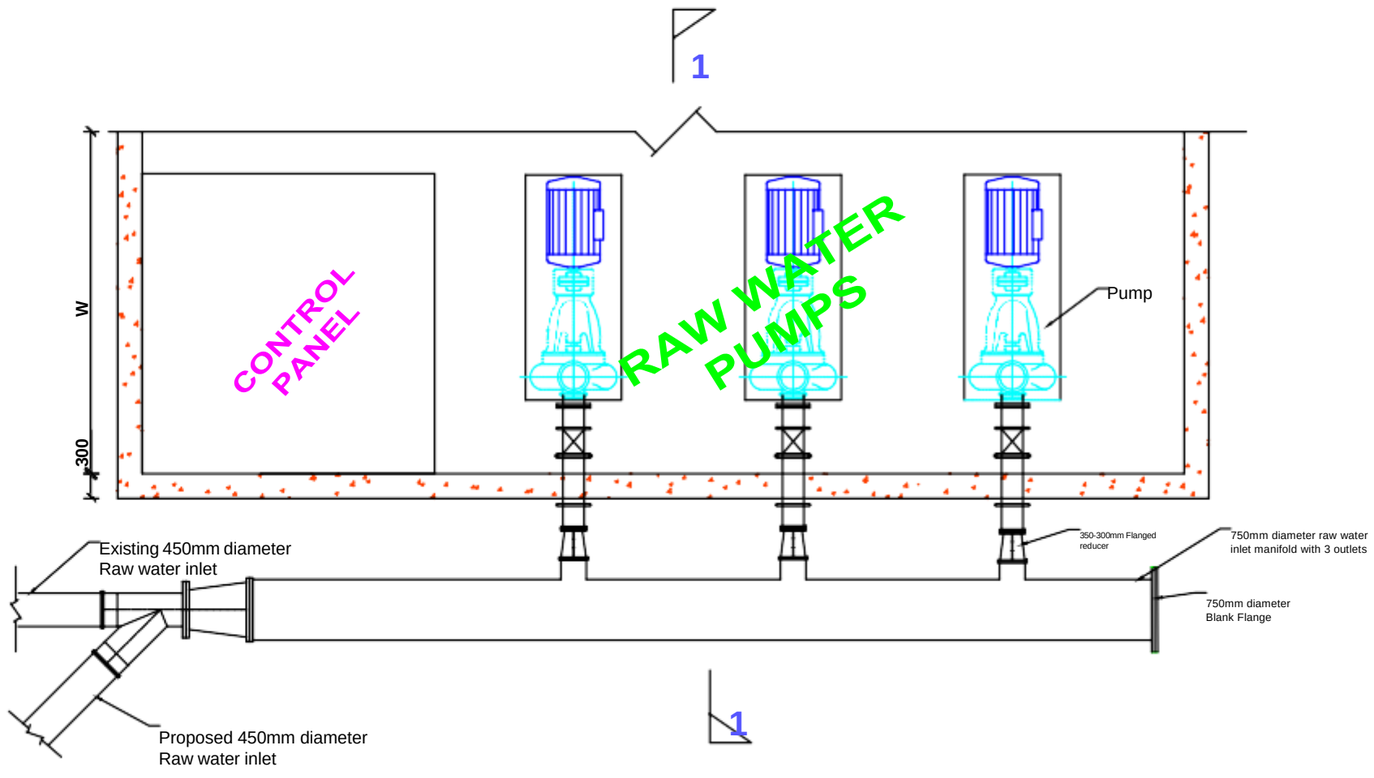
FORE-BAY SECTIONS DETAILS

Designed by	
Drawn by	H.G.W
Approved by	H.G.W
Scale: AS SHOWN	ENG. BWAMBUKI
JOB NO	
DWG NO	STRECCO-2020/02

SRC/W/01-3



PUMP HOUSE OULET LAYOUT



PUMP HOUSE INLET LAYOUT

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 225mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections

REVISIONS		SIGN	DATE	APPROVED
4	BY			
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2	BY			
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1	BY			
	CHECKED			

CLIENT

THIKA WATER AND SEWERAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

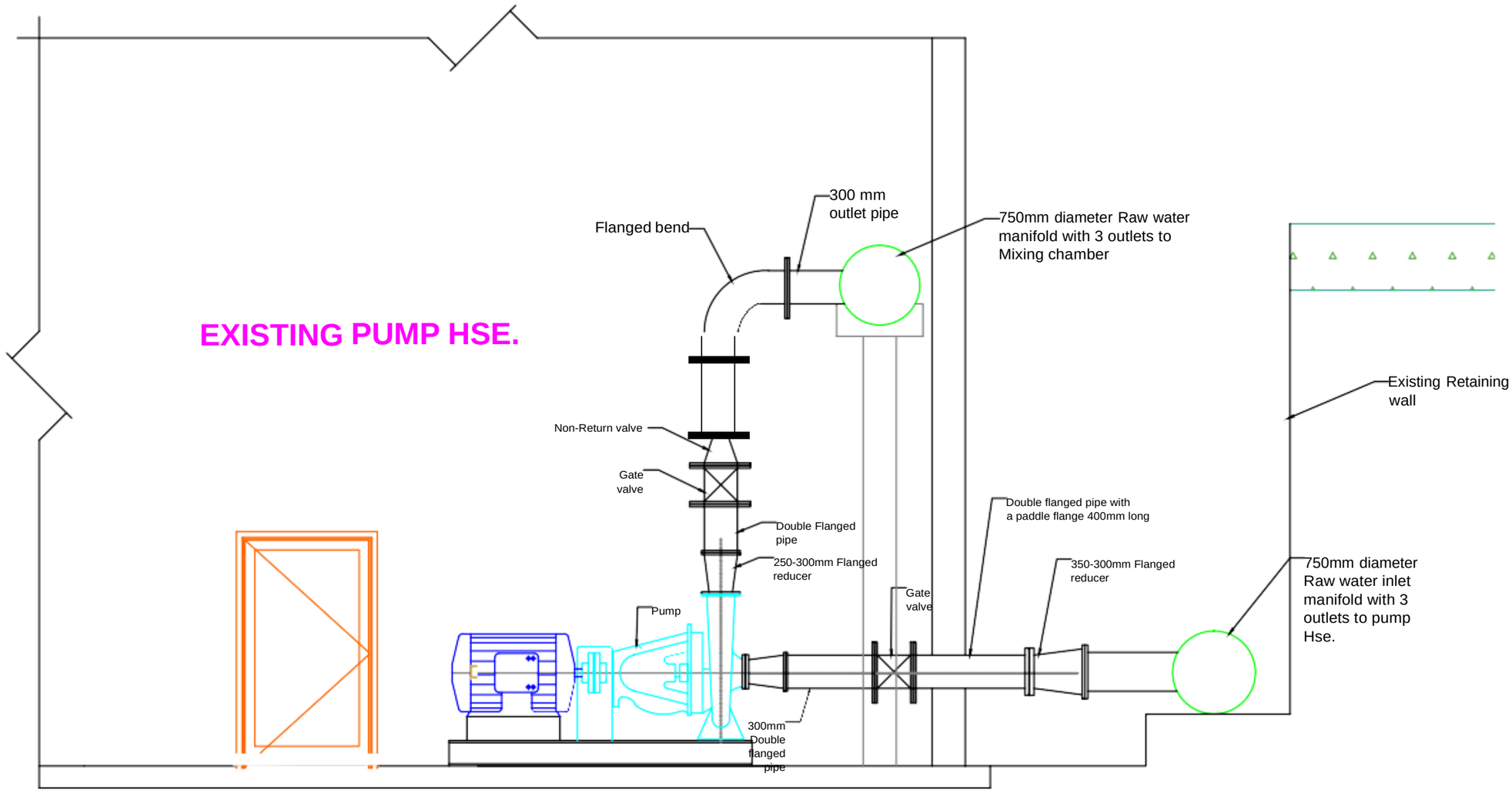
Civil & Structural Engineers

STRUCTURAL REINFORCEMENT & COMPONENTS LTD
P.O BOX 19223-03100, NAIROBI
TEL:0202 179 815
MOBILE: 254721220826

DRAWING TITLE

PUMP HOUSE RAW WATER INLET AND OUTLET PIPE WORK LAYOUT

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUK
Scale: AS SHOWN	Date:DEC 2020
JOB NO:	STRECCO-2020/02
DWG NO:	SRC/W/D/-1



SECTION 1-1

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections

REVISIONS		SIGN	DATE	APPROVED
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	BY			
	CHECKED			

CLIENT

THIKA WATER AND SEWERAGE COMPANY

SIGN ..... DATE .....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Civil & Structural Engineer

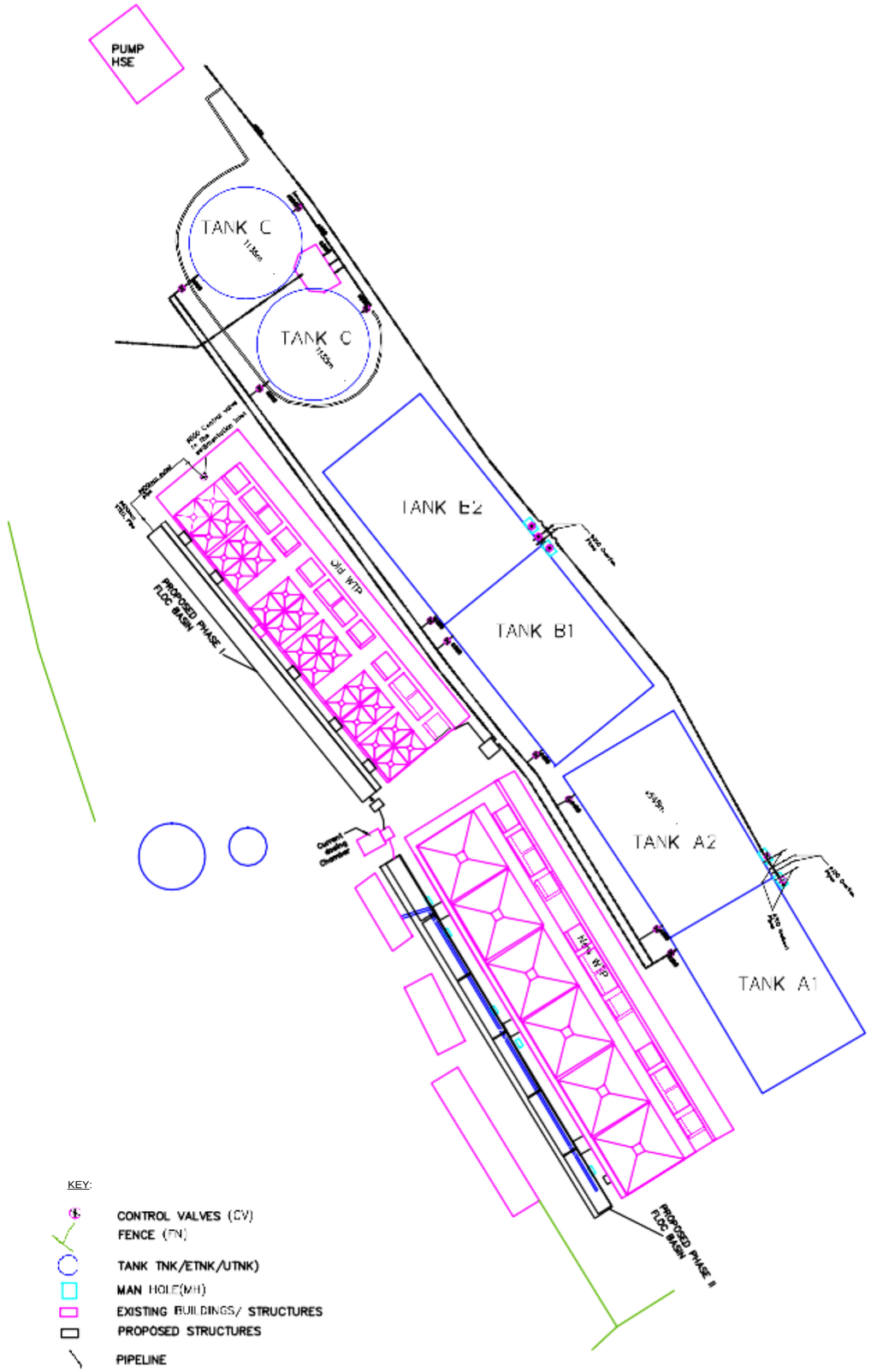
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O BOX 19223-03100,
NAIROBI
TEL:0202 179 815
MOBILE:254721220826

DRAWING TITLE

PUMP HOUSE SECTION DETAILS

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUK
Scale: AS SHOWN	Date:DEC 2020
JOB NO:	STRECCO-2020/02
DWG NO:	SRC/W/01-2

02- TREATMENT WORKS



NOTES

1. All dimensions are in millimeters unless otherwise stated
2. This drawing must not be scaled, only figured dimensions should be used

REVISIONS		SIGN	DATE	APPROVED
	BY			
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	CHECKED			

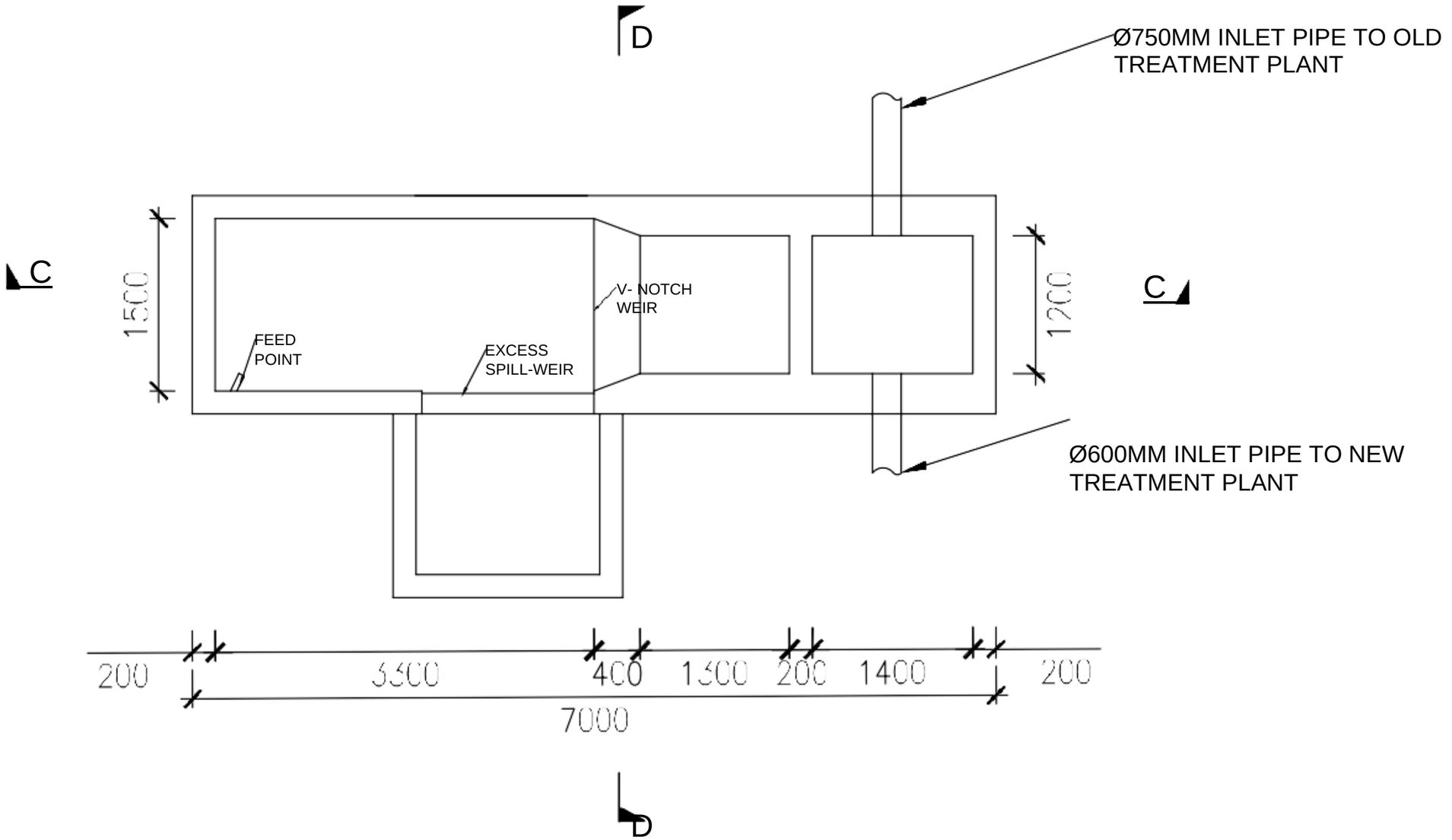
THIKA WATER AND SEWARAGE COMPANY

Project:
THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19623-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721220829

GENERAL SITE LAYOUT FOR THIKA WATER TREATMENT PLANT

Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:JAN 2019
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-00



PLAN VIEW AT 1482.00 –PROPOSED IDENTICAL MIXING CHAMBER

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 25**
4. All masonry walls must be reinforced with 25mm mesh iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 230mm courses with 12mm mortar joints
6. A minimum of 10N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 2 slots in every flocculator chamber are 400mm wide
9. The last 2 slots in every flocculator chamber are 400mm wide
10. All wall widths are 300mm except for baffle walls which are 100mm

REVISIONS		SIGN	DATE	APPROVED
	BY			
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THIKA WATER AND SEWERAGE COMPANY

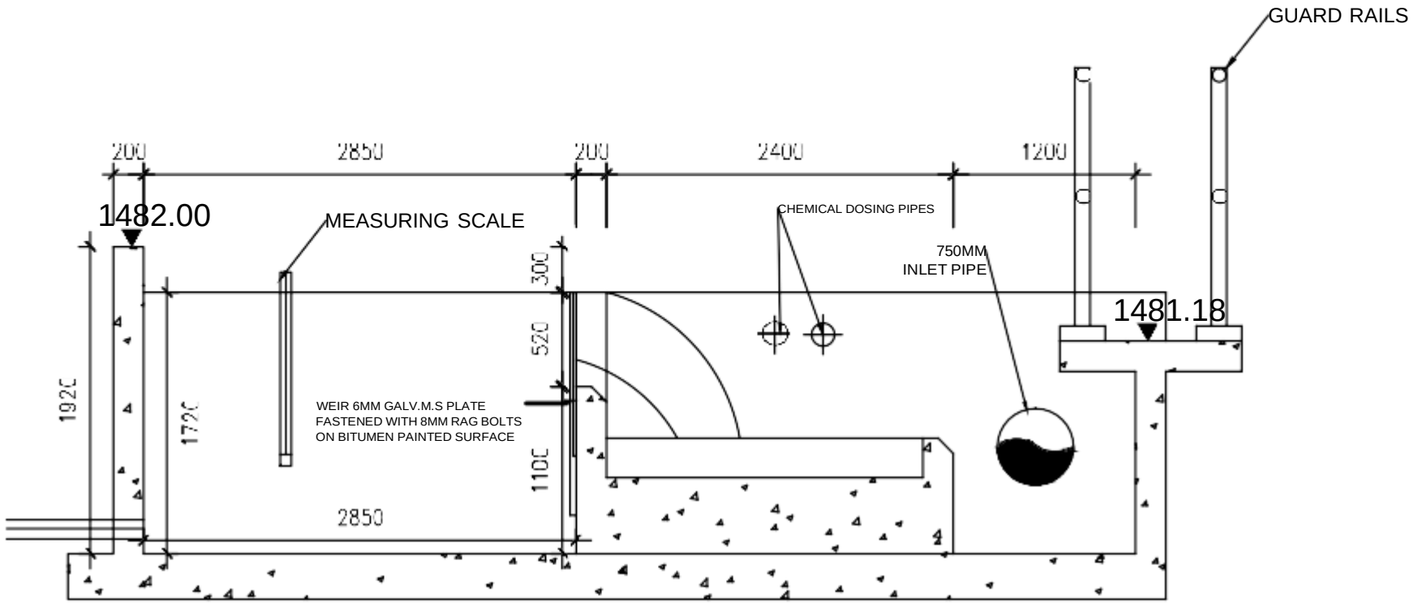
SIGN ..... DATE .....

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

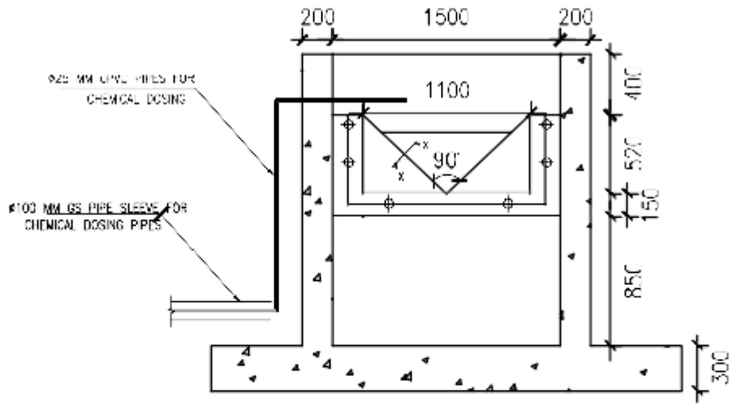
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19228-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721220859

PROJECT
MIXING CHAMBER PLAN LAYOUT

Designed By	H.G.W
Drawn By:	H.G.W
Approved By	PATRICK WAMBUKI
Scale:As Shown	Date:DEC 2020
JOB NO:	STRECCO–2020/01
DWG NO:	SRC/W/02-01



SECTION C–C
scale 1:50



SECTION D–D
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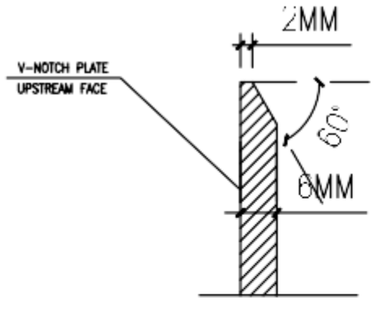

SECTION X–X
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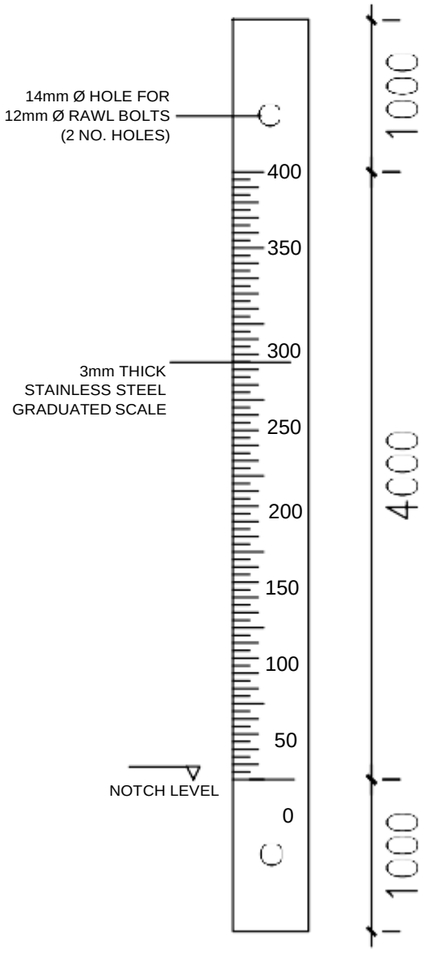

MEASURING SCALE
scale 1:5

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 25**
4. All masonry walls must be reinforces with 25mm hoop iron after every two courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 20-25mm courses with 12mm mortar joints
6. A minimum of 10N/mm2 average compressive strength of masonry in accordance with BS5628 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 2 holes in every compartment chamber are 400mm wide
9. The rest 2 holes in every compartment chamber are 400mm wide
10. All wall widths are 300mm except for baffle walls which are 100mm

REVISIONS		SIGN	DATE	APPROVED
	BY			
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	BY			
	CHECKED			
	BY			
	CHECKED			

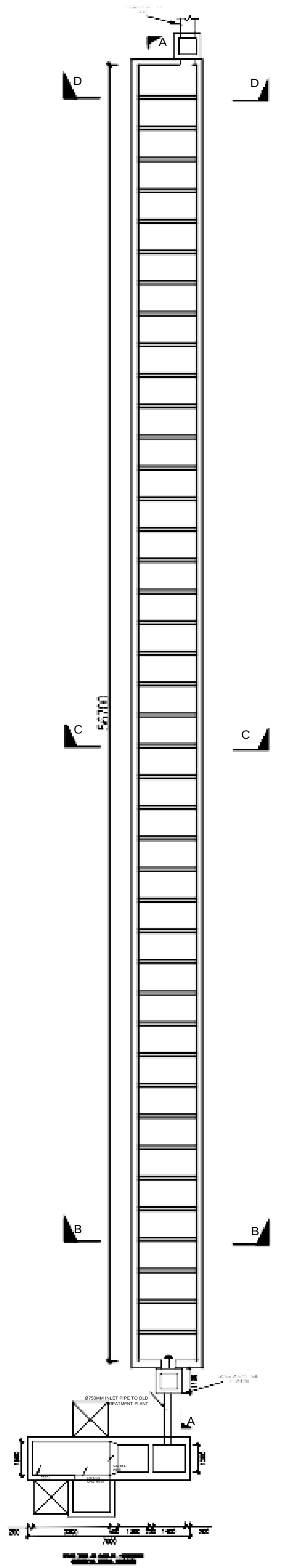
THIKA WATER AND SEWERAGE COMPANY

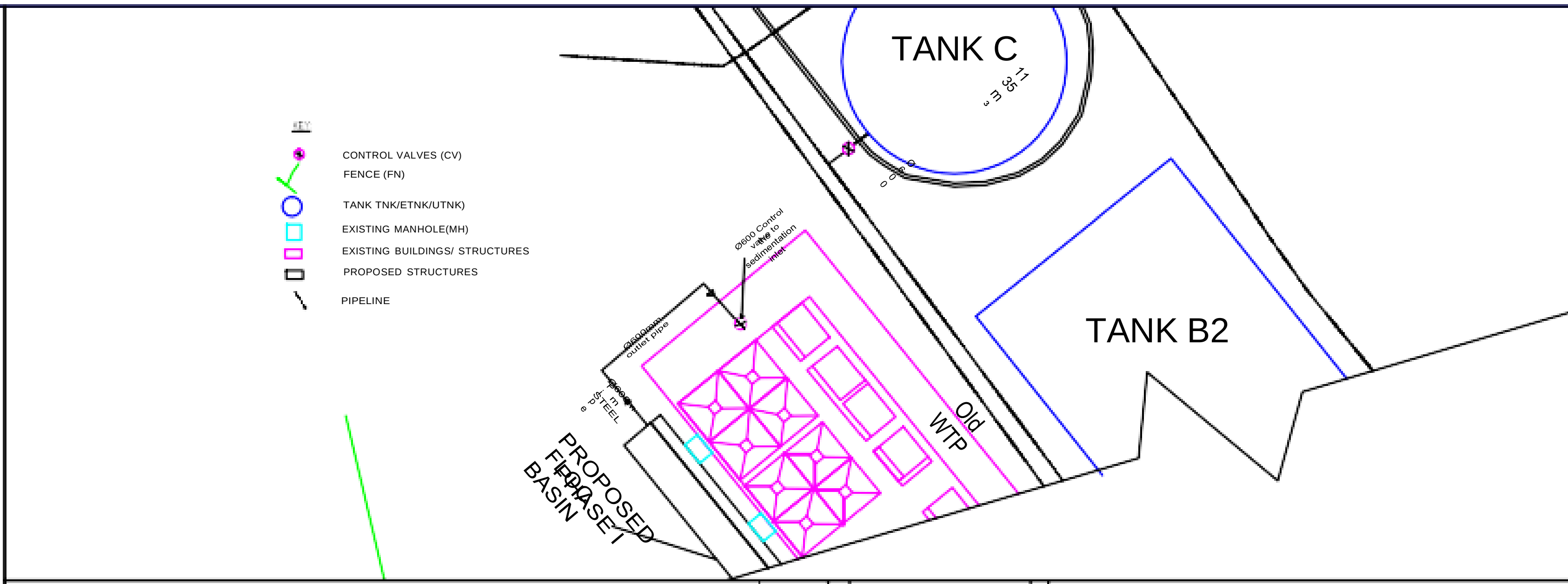
THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

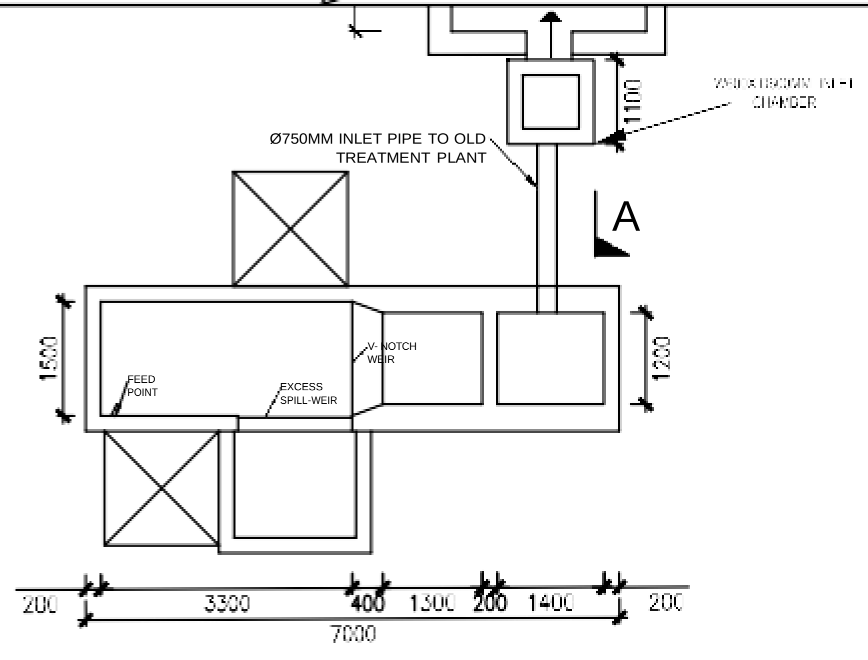
STRUCTURAL REINFORCEMENT CONSTRUCTIONS LTD
P.O. BOX 19213-00100, NAIROBI
TEL:0202 175 515
MOBILE:0724721290/39

MIXING CHAMBER SECTIONS DETAILS

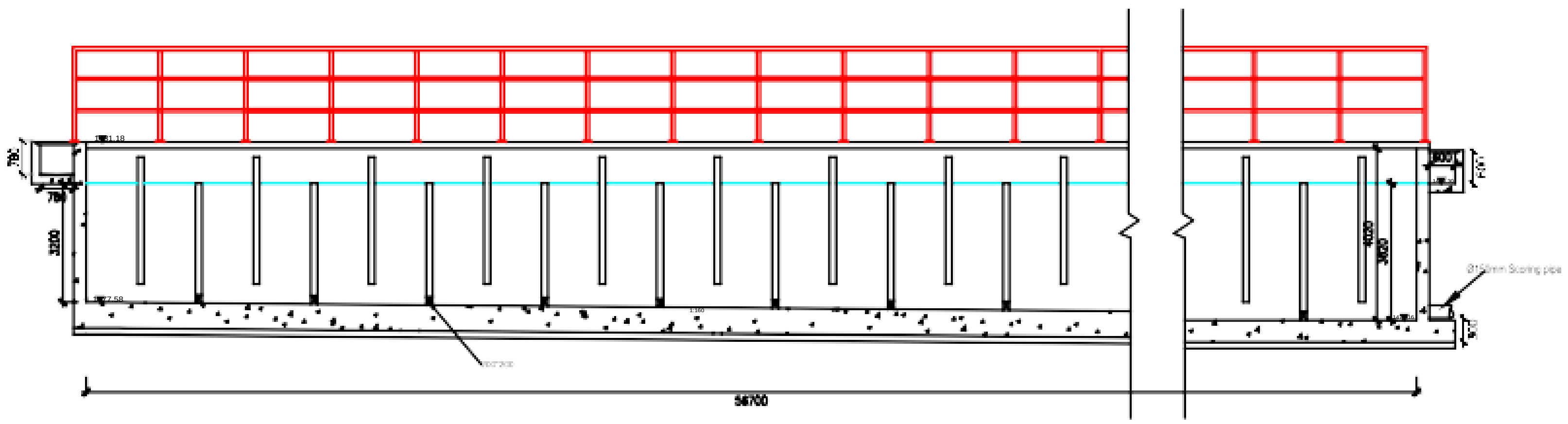
Designed By	H.G.W
Drawn By:	H.G.W
Approved By	PATRICK WAMBUKI
Scale:As Shown	Date:DEC 2020
JOB NO:	STRECCO–2020/01
DWG NO:	SRC/W/02 02







PLAN VIEW AT 1482.00 -PROPOSED IDENTICAL MIXING CHAMBER



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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 35 slots in every flocculator chamber are 600mm wide
9. The last 15 slots in every flocculator chamber are 600mm wide
10. All wall widths are 300mm except for baffle walls which are 150mm

REVISIONS	SIGN	DATE	APPROVED
BY			
CHECKED			
BY			
CHECKED			
BY			
CHECKED			
BY			
CHECKED			

CLIENT

THIKA WATER AND SEWERAGE COMPANY

SIGN .... DATE ....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

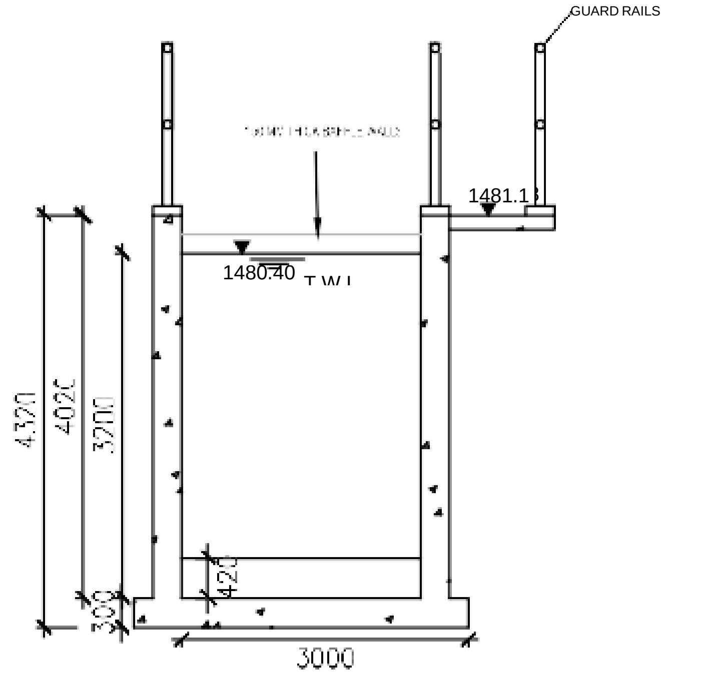
Civil & Structural Engineer

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721220829

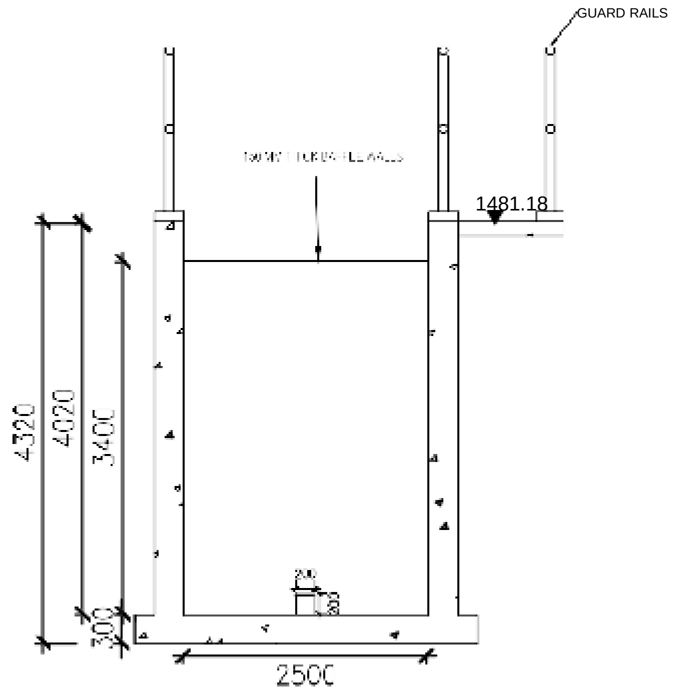
Drawing Title

OLD (PHASE I) FLOCCULATION BASIN – PLAN AND SECTION LAYOUT

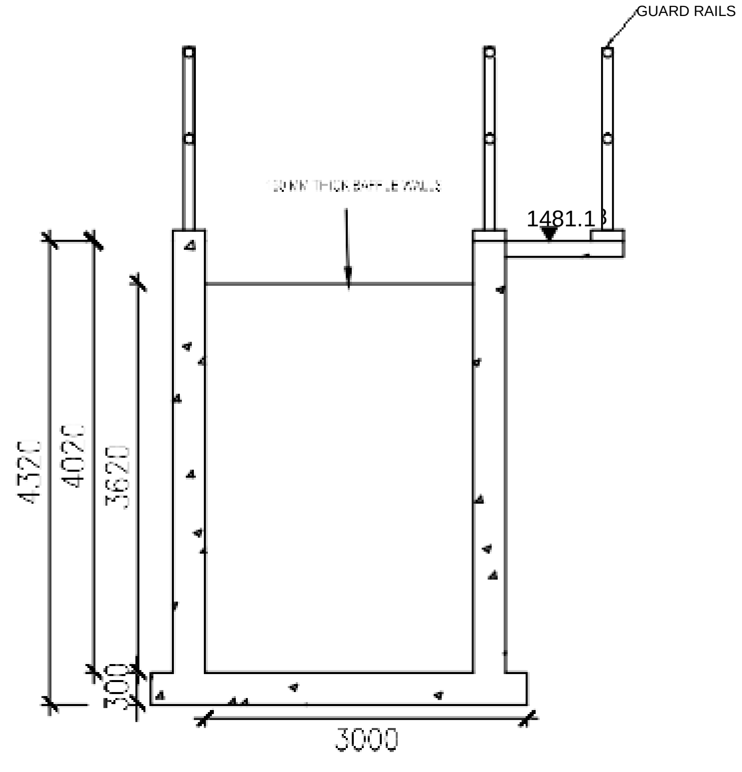
Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUK
Scale:As Shown	Date:DEC 2020
JOB NO:	STRECCO-2020/01
DWG NO:	SRC/W/02-01



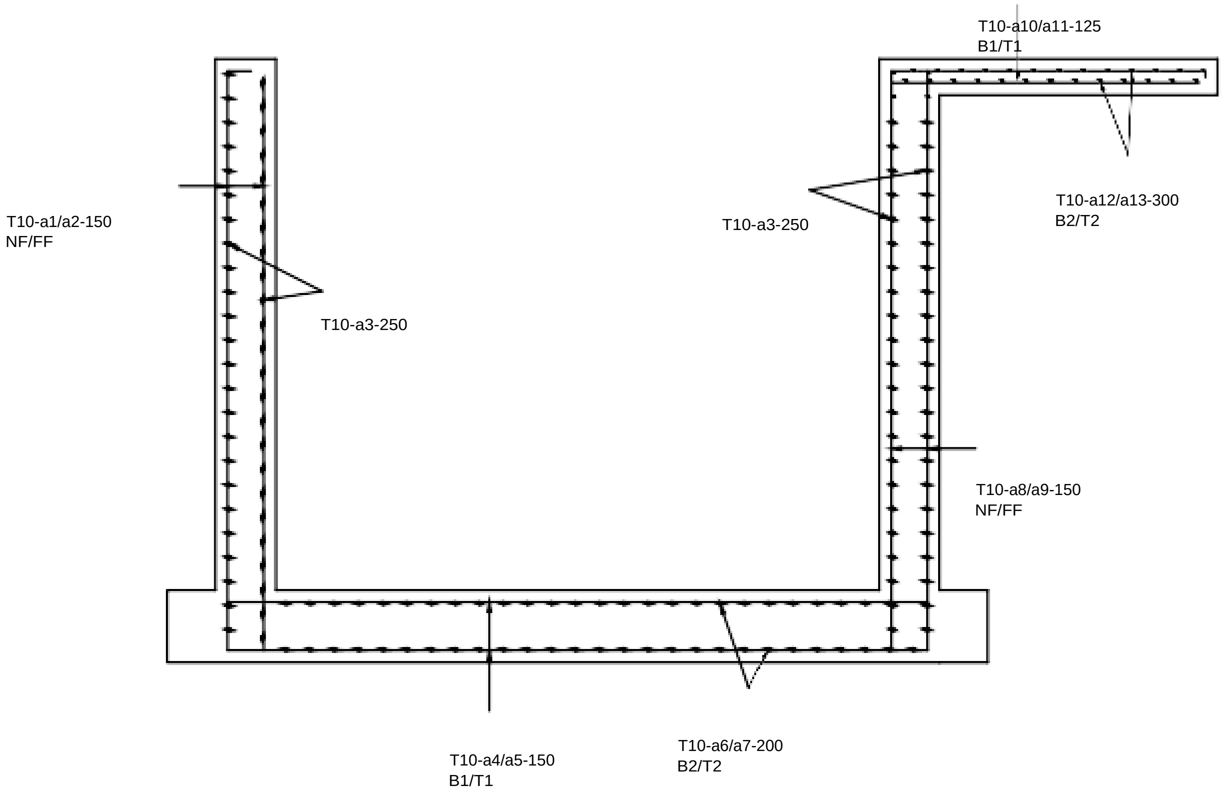
SECTION B - B



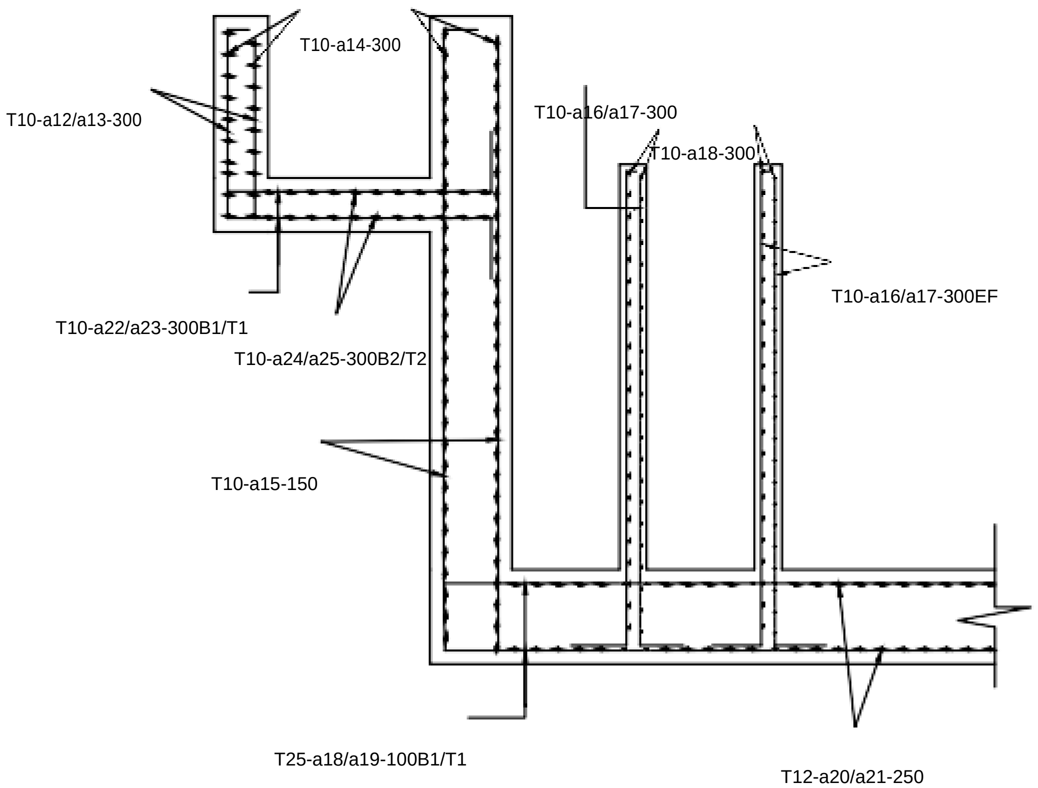
SECTION C - C



SECTION D - D



SECTION B - B



SECTION A - A

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 35 slots in every flocculator chamber are 600mm wide
9. The last 15 slots in every flocculator chamber are 600mm wide
10. All wall widths are 300mm except for baffle walls which are 150mm

REVISIONS		SIGN	DATE	APPROVED
	BY			
	CHECKED			
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	BY			
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CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN .... DATE ....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

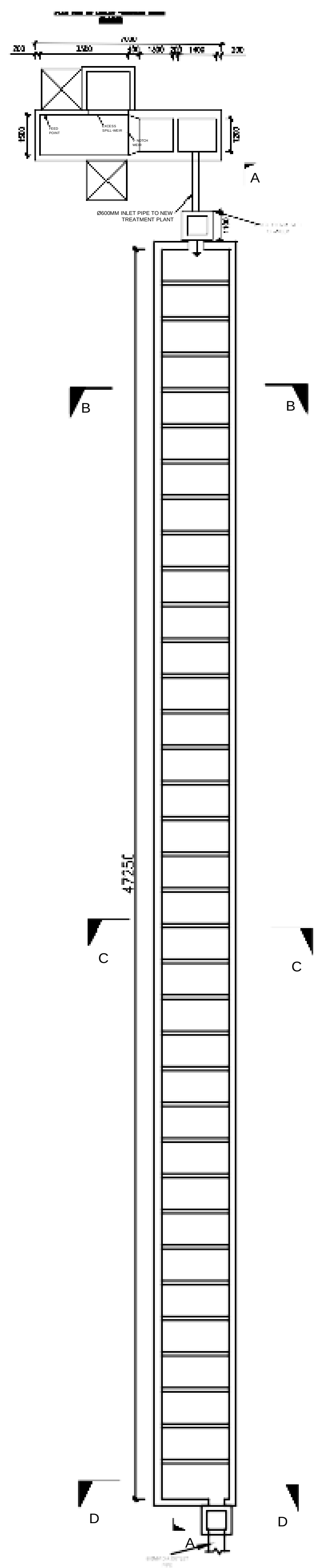
Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721720870

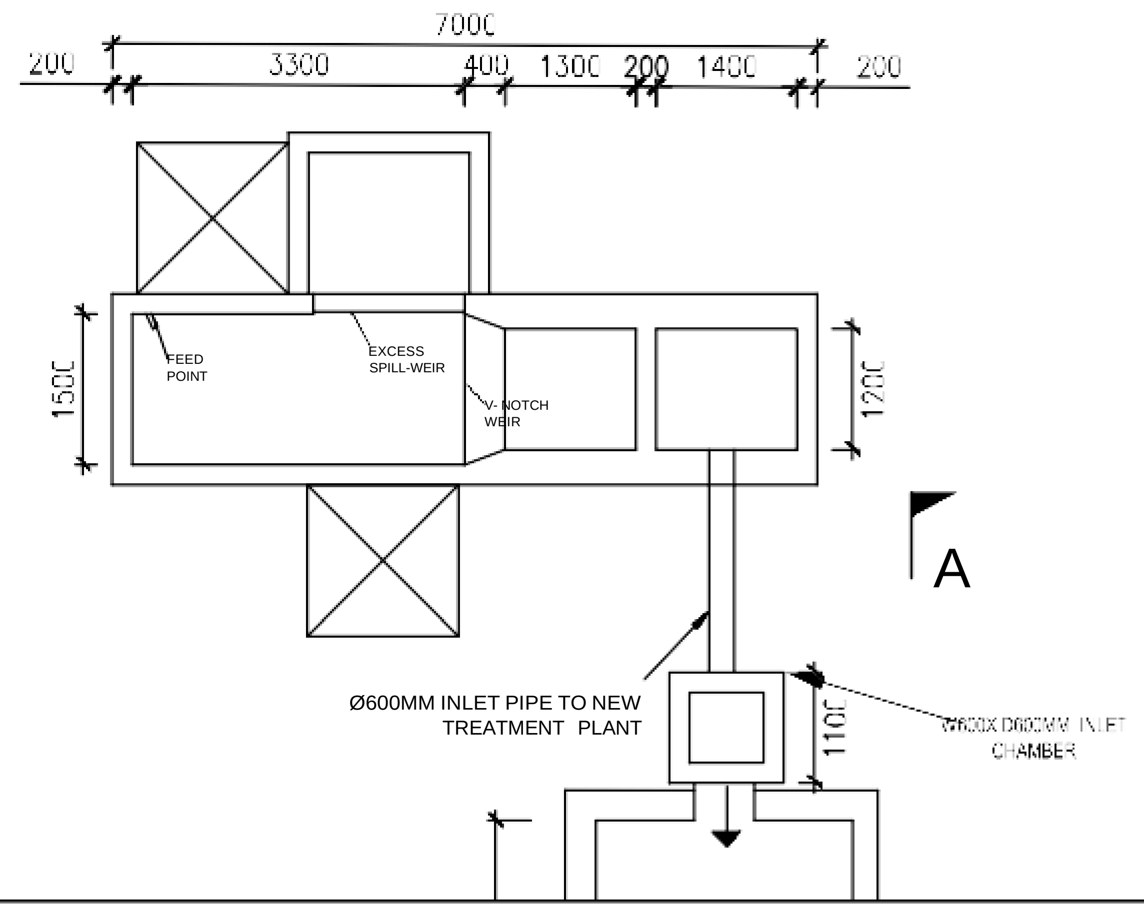
Drawing Title

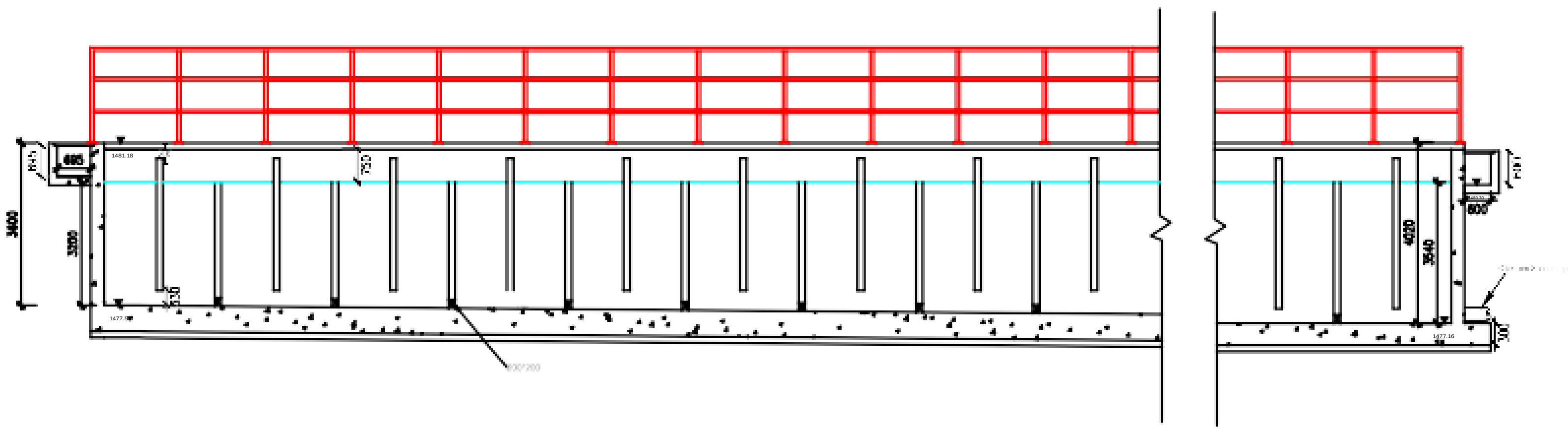
OLD (PHASE I) FLOCCULATION BASIN – REINFORCEMENT SECTIONS DETAILS

Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUK
Scale:As Shown	Date:DEC 2020
JOB NO:	STRECCO-2020/01
DWG NO:	SRC/W/02-01-02



PLAN VIEW AT 1462.00 –EXISTING MIXING CHAMBER





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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 3 slots in every flocculator chamber are 400mm wide
9. The last 2 slots in every flocculator chamber are 400mm wide
10. All wall widths are 200mm except for baffle walls which are 100mm

R E V I S I O N S		SIGN	DATE	APPROVED
	BY			
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THIKA WATER AND SEWARAGE COMPANY

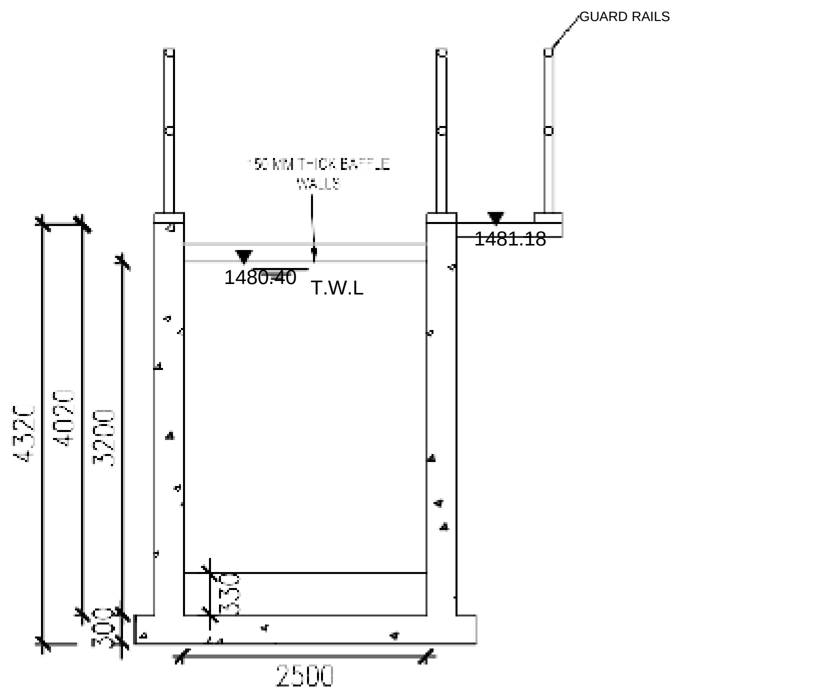
SIGN .... DATE ....

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

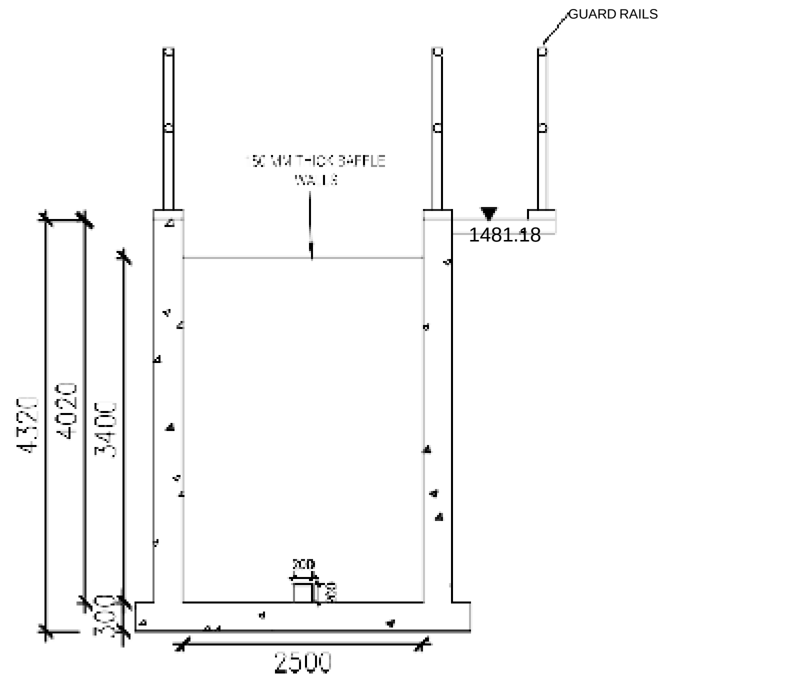
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O BOX 19225-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721220879

NEW (PHASE II) FLOCCULATION BASIN –PLAN AND SSECTION LAYOUT

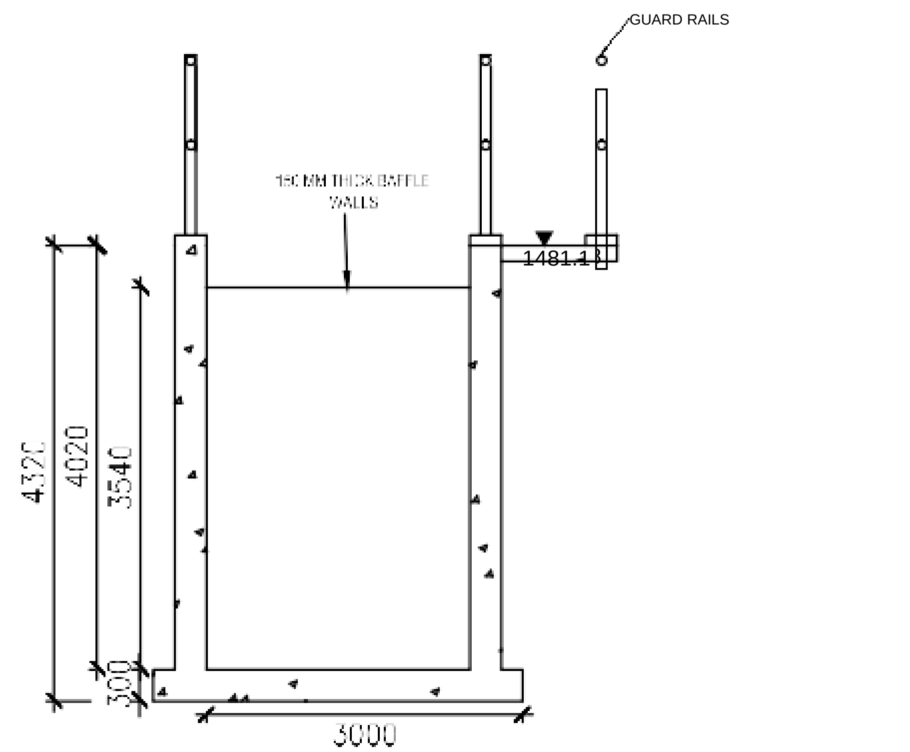
Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUKI
Scale:As Shown	Date:DEC 2020
JOB NO:	STRECCO-2020/01
DWG NO:	SRC/W/02-02



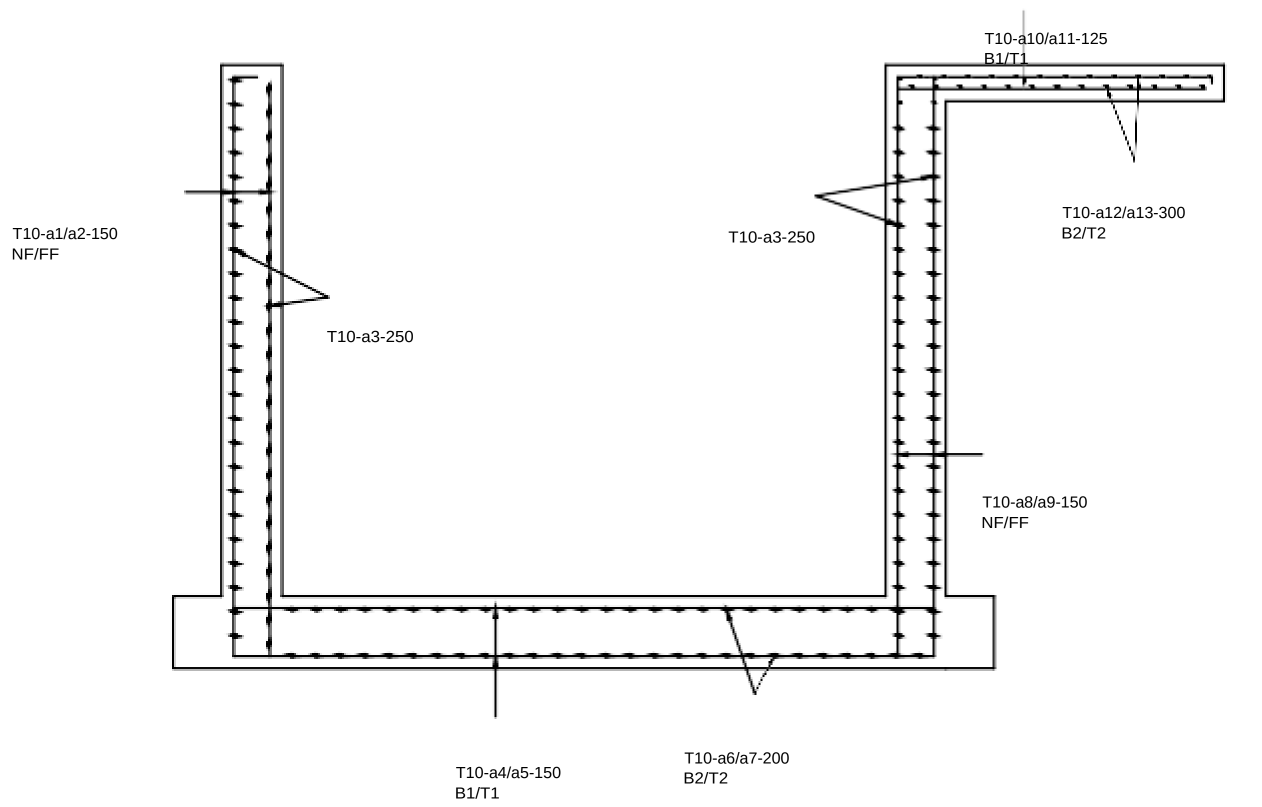
SECTION B - B



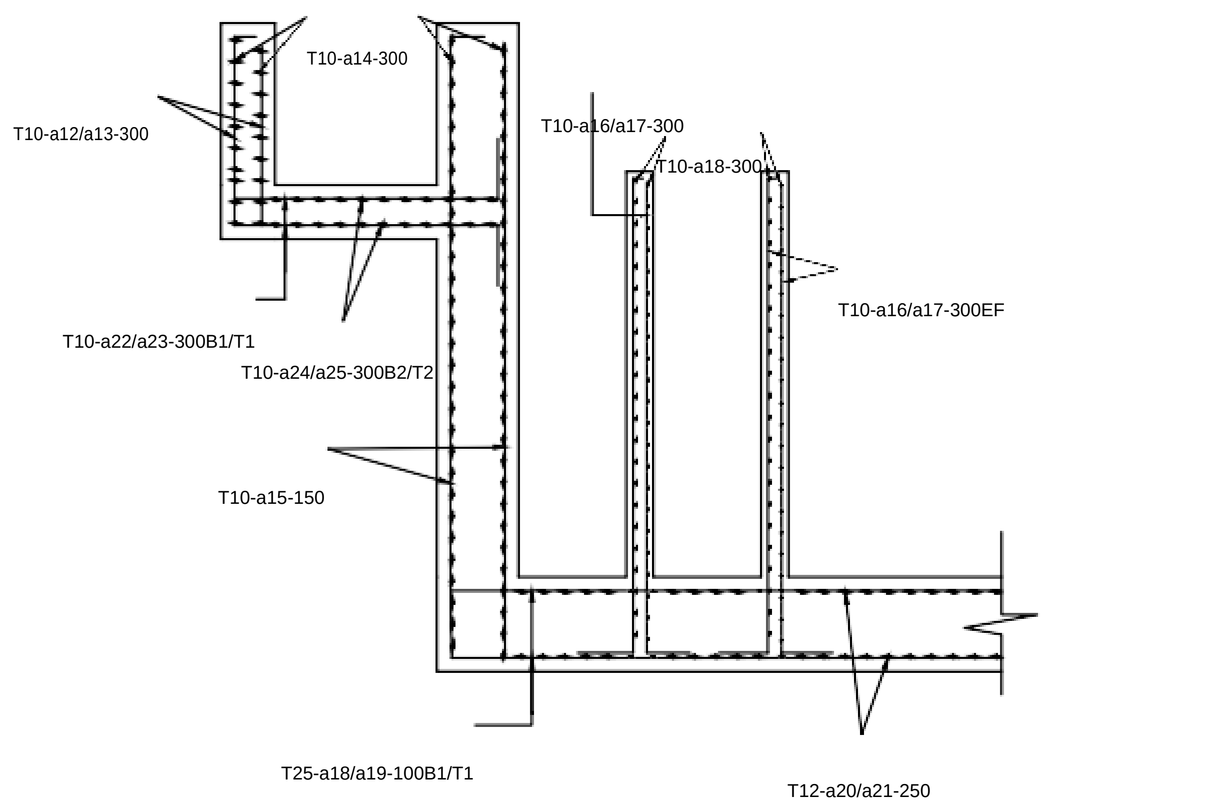
SECTION C - C



SECTION D - D



SECTION B - B



SECTION A - A

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 35 slots in every flocculator chamber are 600mm wide
9. The last 15 slots in every flocculator chamber are 600mm wide
10. All wall widths are 200mm except for baffle walls which are 150mm

REVISIONS		SIGN	DATE	APPROVED
	BY			
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	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			

CLIENT

THIKA WATER AND SEWERAGE COMPANY

SIGN .... DATE ....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

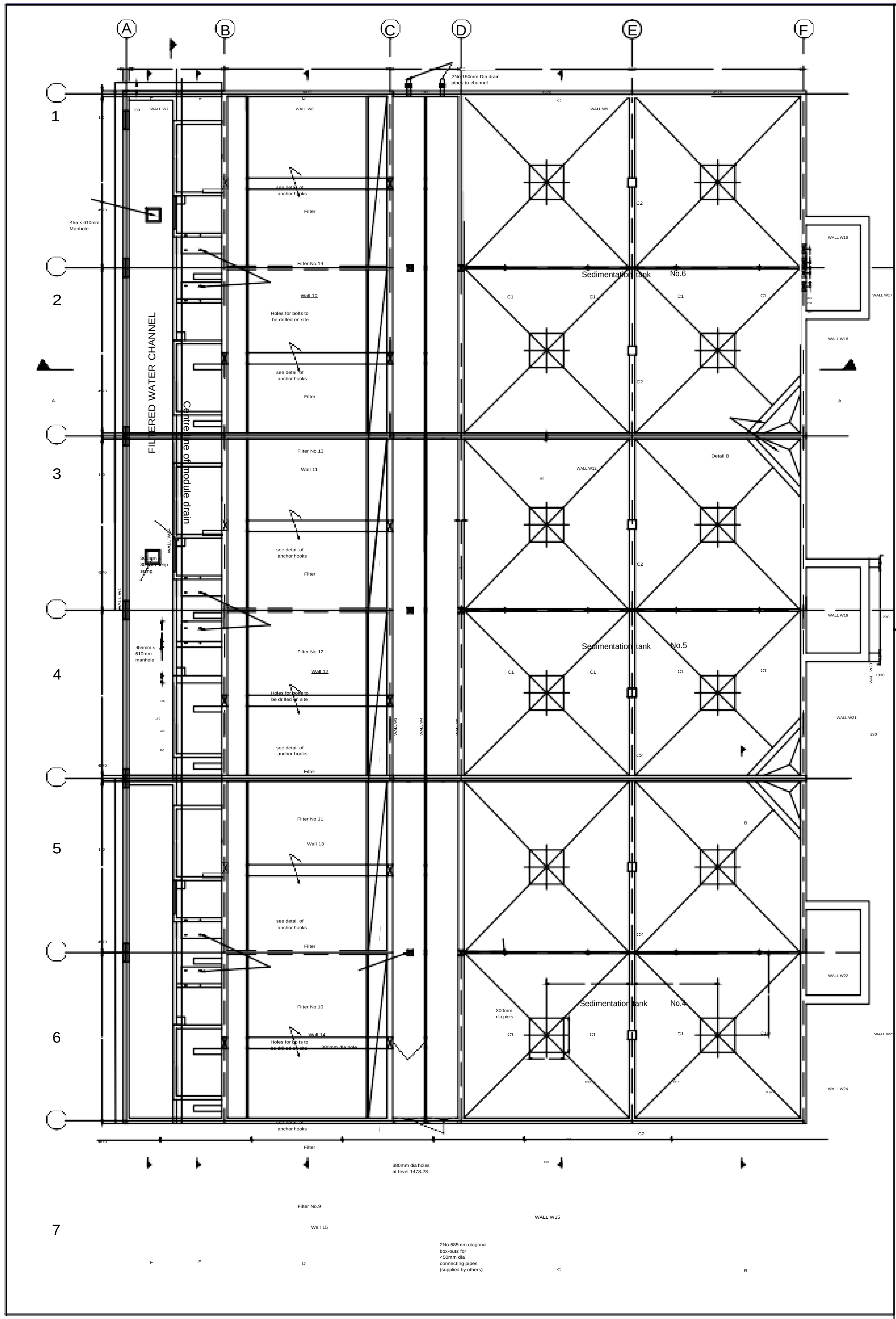
Civil & Structural Engineers

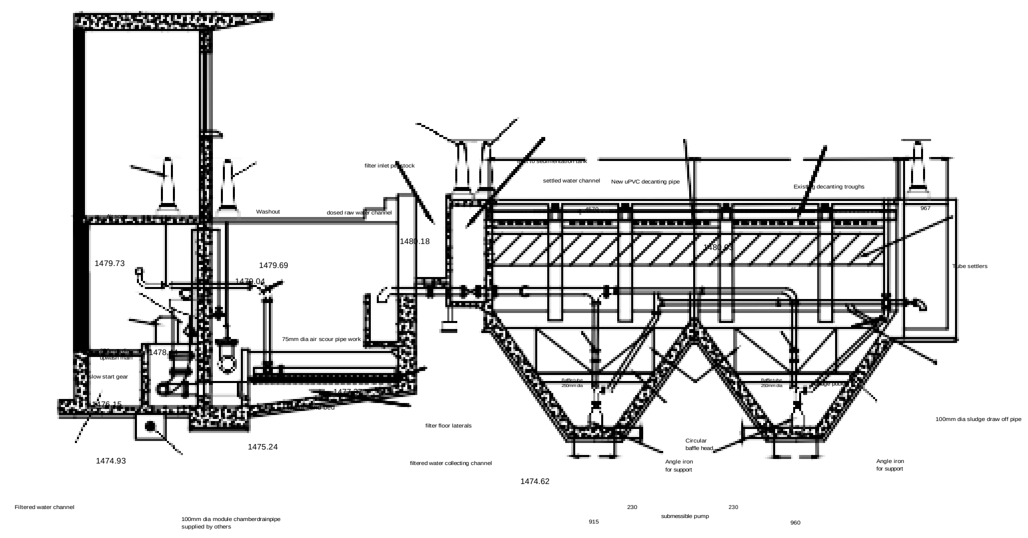
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721220879

Drawing Title

OLD (PHASE I) FLOCCULATION BASIN – REINFORCEMENT SECTIONS DETAILS

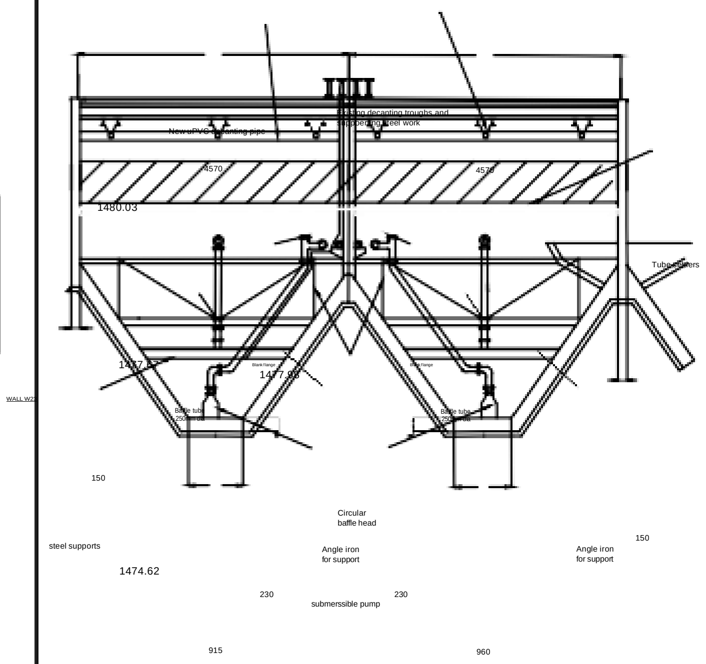
Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUK
Scale:As Shown	Date:DEC 2020
JOB NO:	STRECCO-2020/01
DWG NO:	SRC/W/02-02-01





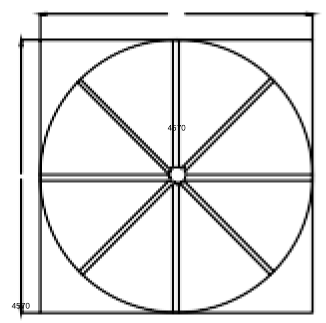
SECTION A-A

SCALE 1:50



SECTION B-B

SCALE 1:50



CONE DISPERSION LAYOUT

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 31 slots in every flocculator chamber are 400mm wide
9. The last 15 slots in every flocculator chamber are 300mm wide
10. All wall widths are 200mm except for baffle walls which are 100mm

REVISIONS	SIGN	DATE	APPROVED
BY			
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CHECKED			
BY			
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CLIENT

THIKA WATER AND SEWARAGE COMPANY

SIGN .... DATE ....

Project

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Civil & Structural Engineers

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19225-00100, NAIROBI
TEL:0202 178 615
MOBILE:+254721720879

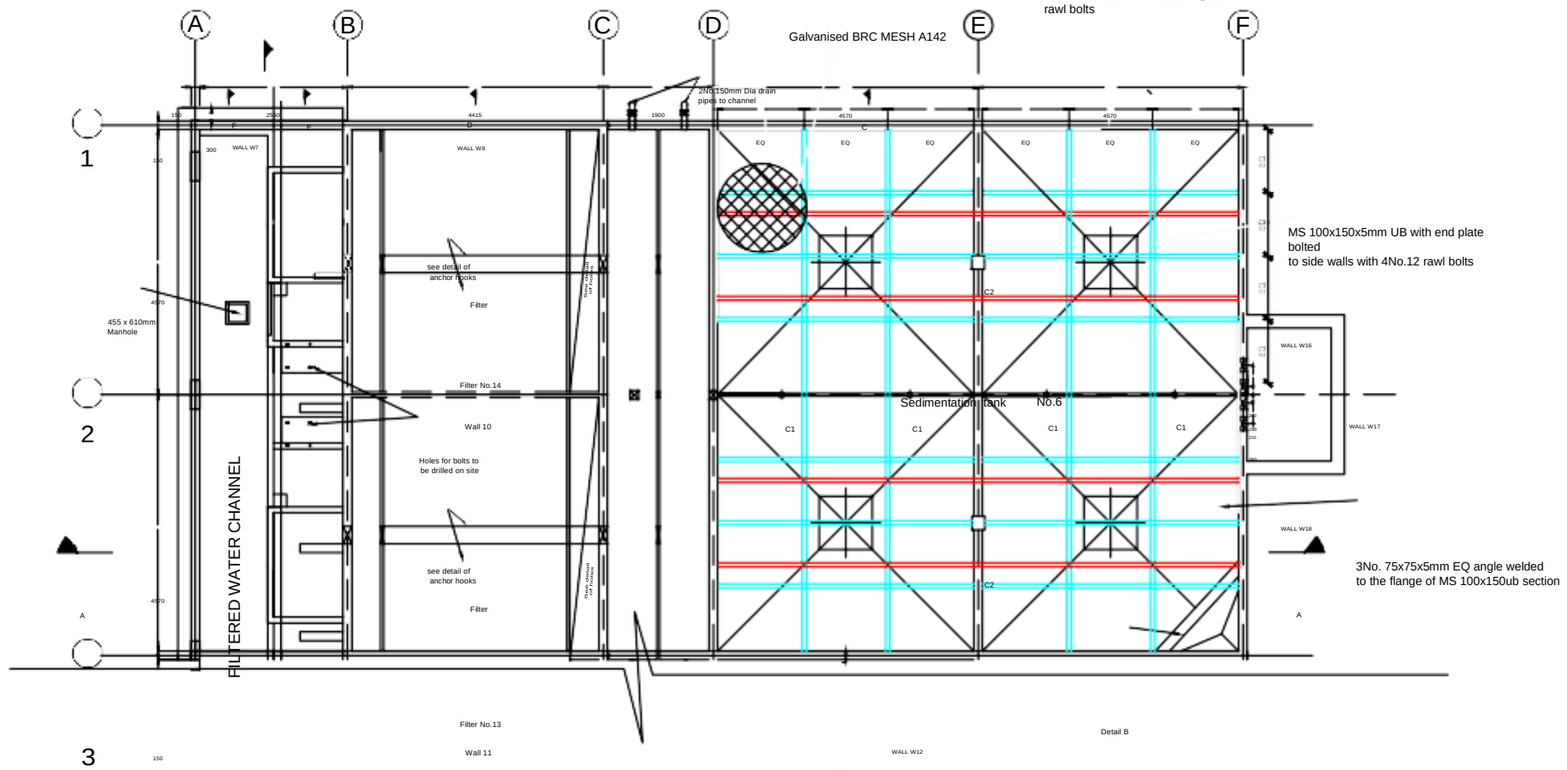
Drawing Title

SEDIMENTATION BASIN-OLD PLAN

Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUKI
Scale:As Shown	Date:SEPT 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-03

PLAN LAYOUT

SCALE 1:100

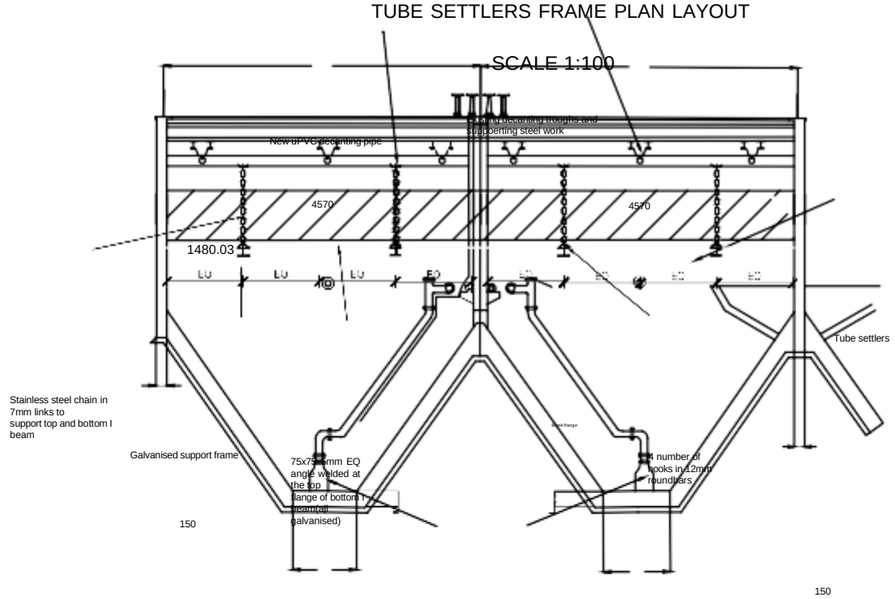


NOTES

1. All dimensions are in millimeters, unless otherwise stated
2. No drawing must not be scaled, only figured dimensions should be used
3. **Reinforced concrete to be grade 25**
4. All masonry walls must be reinforced with 2Smm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the above walling being laid in 240mm courses with 12mm mortar joints
6. A minimum of 7N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. the first 50 pits in every flocculator chamber are 400mm wide
9. the last 10 pits in every flocculator chamber are 300mm wide
10. All wall widths are 250mm except for baffle walls which are 100mm

TUBE SETTLERS FRAME PLAN LAYOUT

SCALE 1:100



SECTION A-A

REVISIONS	SIGN	DATE	APPROVED
BY			
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BY			
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WATER AND SEWERAGE COMPANY

SIGN ..... DATE .....

WATER EFFICIENCY IMPROVEMENT PROJECT

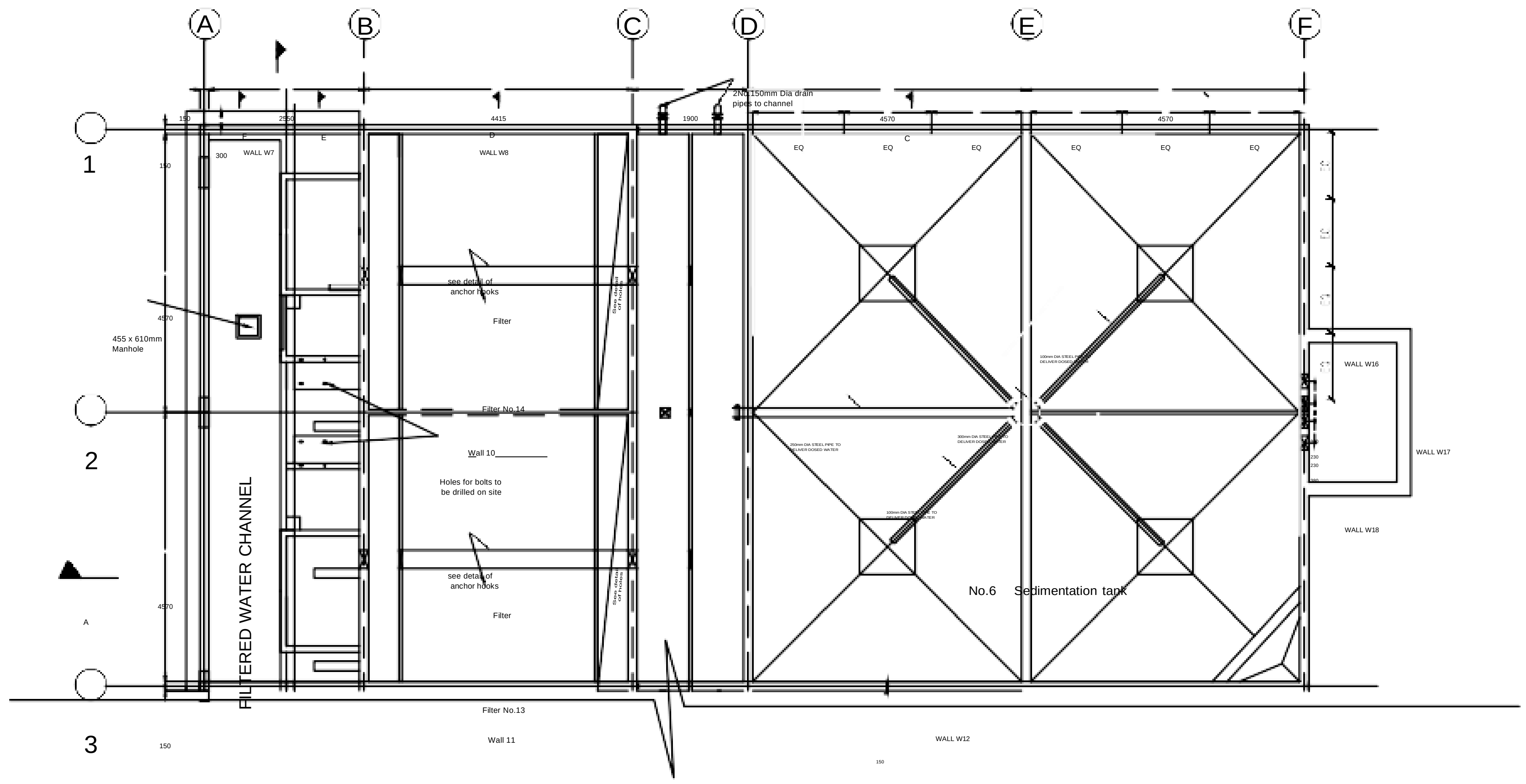
STRUCTURAL REINFORCEMENT CONTRACTORS LTD
P.O. BOX 14223-70100, NAIROBI
TEL:0202 175 515
MOBILE:+254721220879

TITLE

TUBE SETTLERS FRAME PLAN AND SECTION DETAILS LAYOUT-OLD UNIT

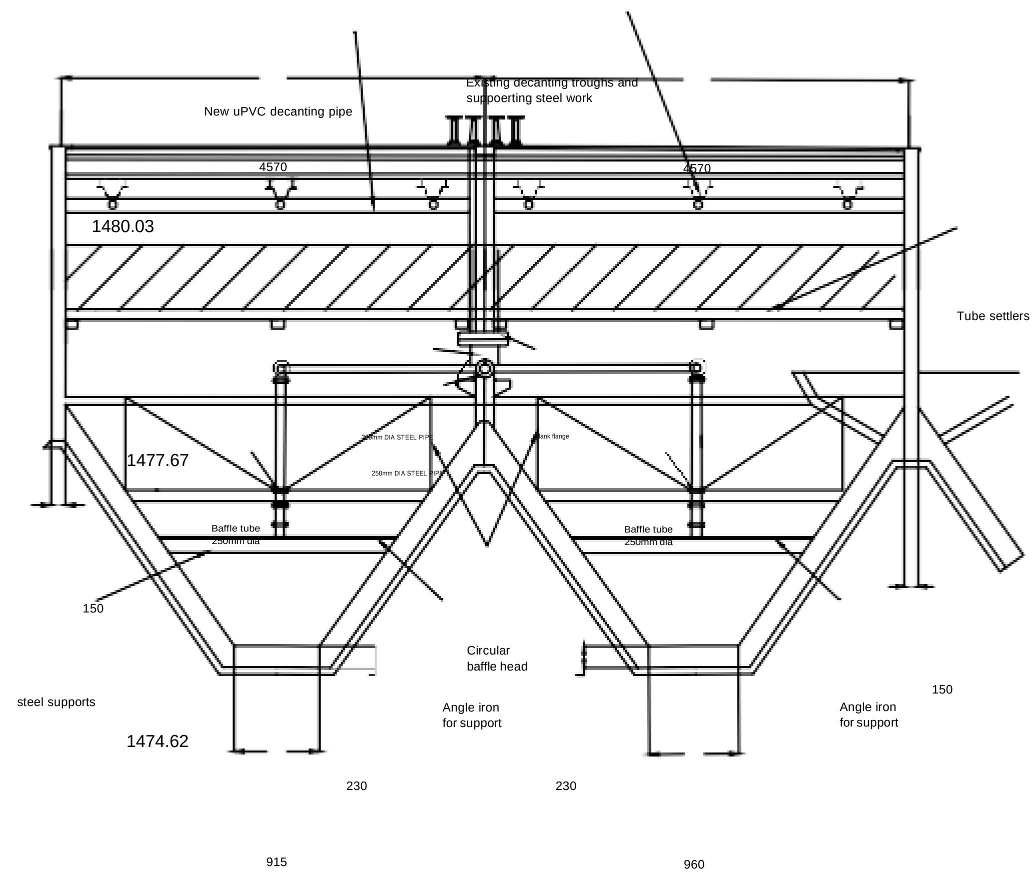
Designed By	H.G.W
Drawn By:	H.G.W
Approved By	PATRICK WAMBUK
Scale:As Shown	Date:SEPT 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02 04

SCALE 1:50



DOSED WATER PIPEWORK PLAN LAYOUT

SCALE 1:100



SECTION B-B

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 25

REVISIONS		SIGN	DATE	APPROVED
	BY			
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	BY			
	CHECKED			

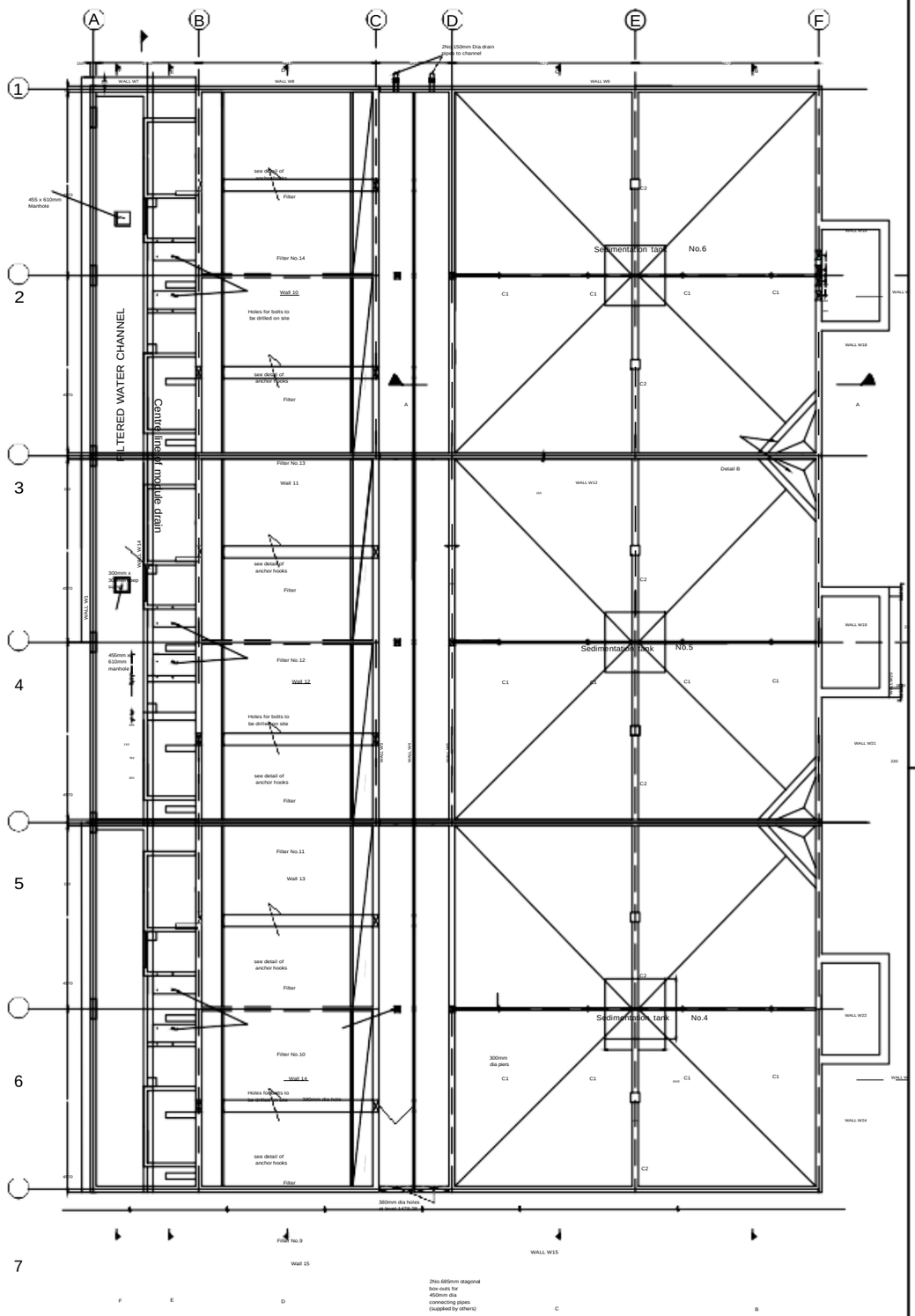
THIKA WATER AND SEWERAGE COMPANY

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19225-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721720870

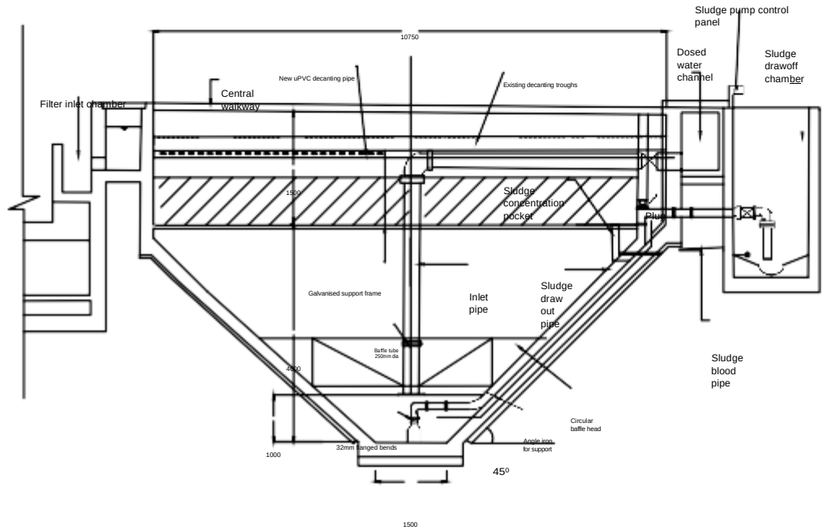
DOSING DELIVERY PIPEWORK DETAILED LAYOUT-OLD UNIT

Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUK
Scale:As Shown	Date:DEC 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-05



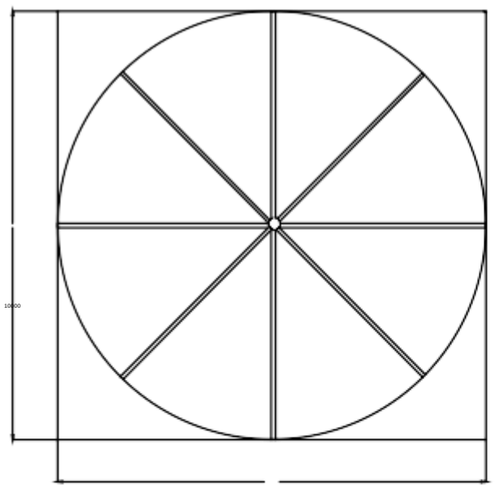
PLAN LAYOUT

SCALE 1:100



SECTION A-A

SCALE 1:50



CONE DISPERSION LAYOUT

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 25**
4. All masonry walls must be reinforces with 25mm nicop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the above walling being laid in 10-12mm courses with 12mm mortar joints
6. A minimum of 4.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 15 steps in every trapezoidal chamber are 400mm wide
9. The last 15 steps in every trapezoidal chamber are 300mm wide
10. All wall widths are 230mm except for baffle walls which are 100mm

REVISIONS	SIGN	DATE	APPROVED
BY			
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BY			
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CLIENT

TANA WATER SERVICES MANAGEMENT COMPANY

SIGN ..... DATE .....

Project

TANA WATER EFFICIENCY IMPROVEMENT PROJECT

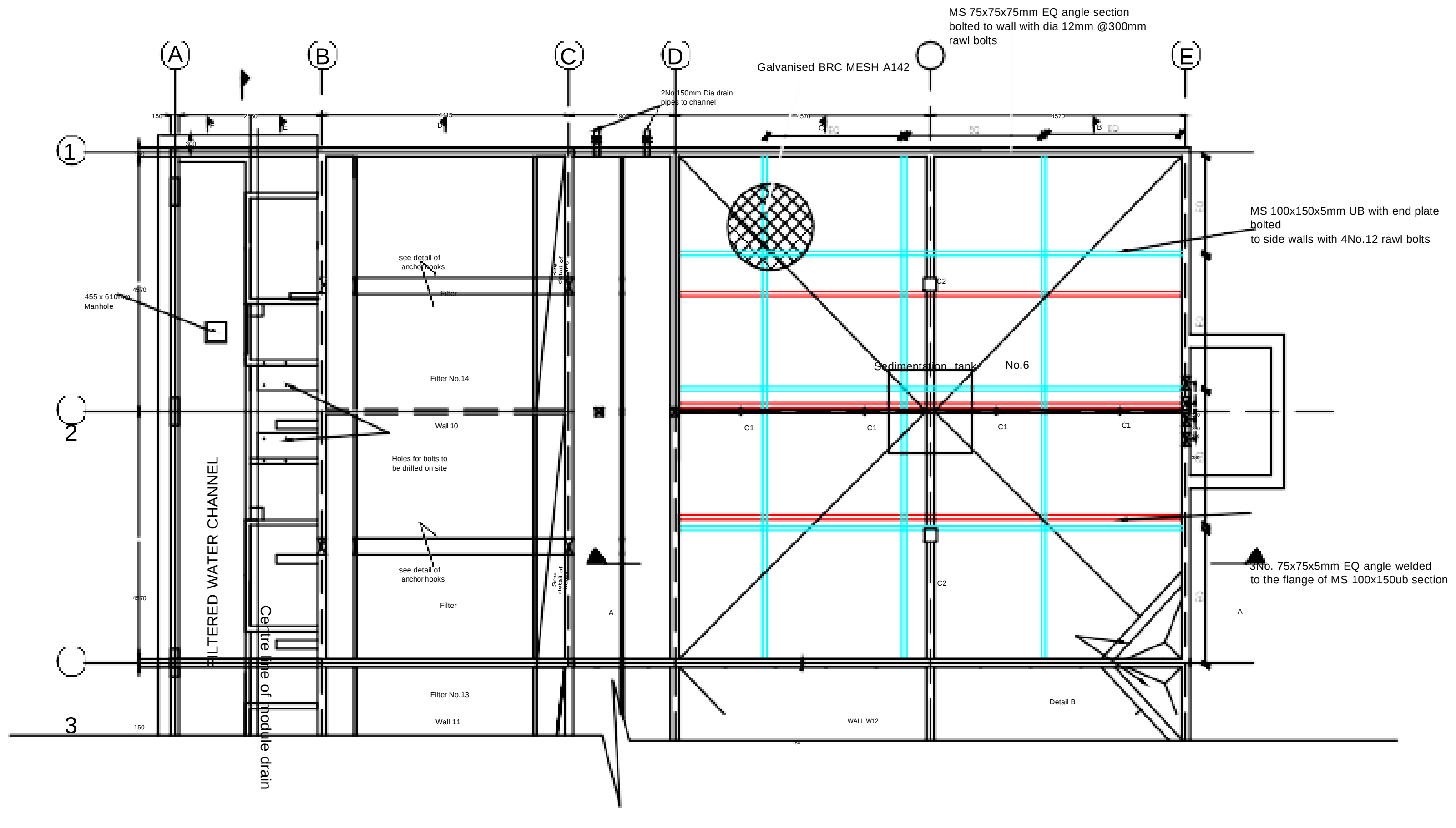
CONSULTANT

STRUCTURAL REINFORCEMENT CONTRACTORS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 175 515
MOBILE:+254721290879

PROJECT

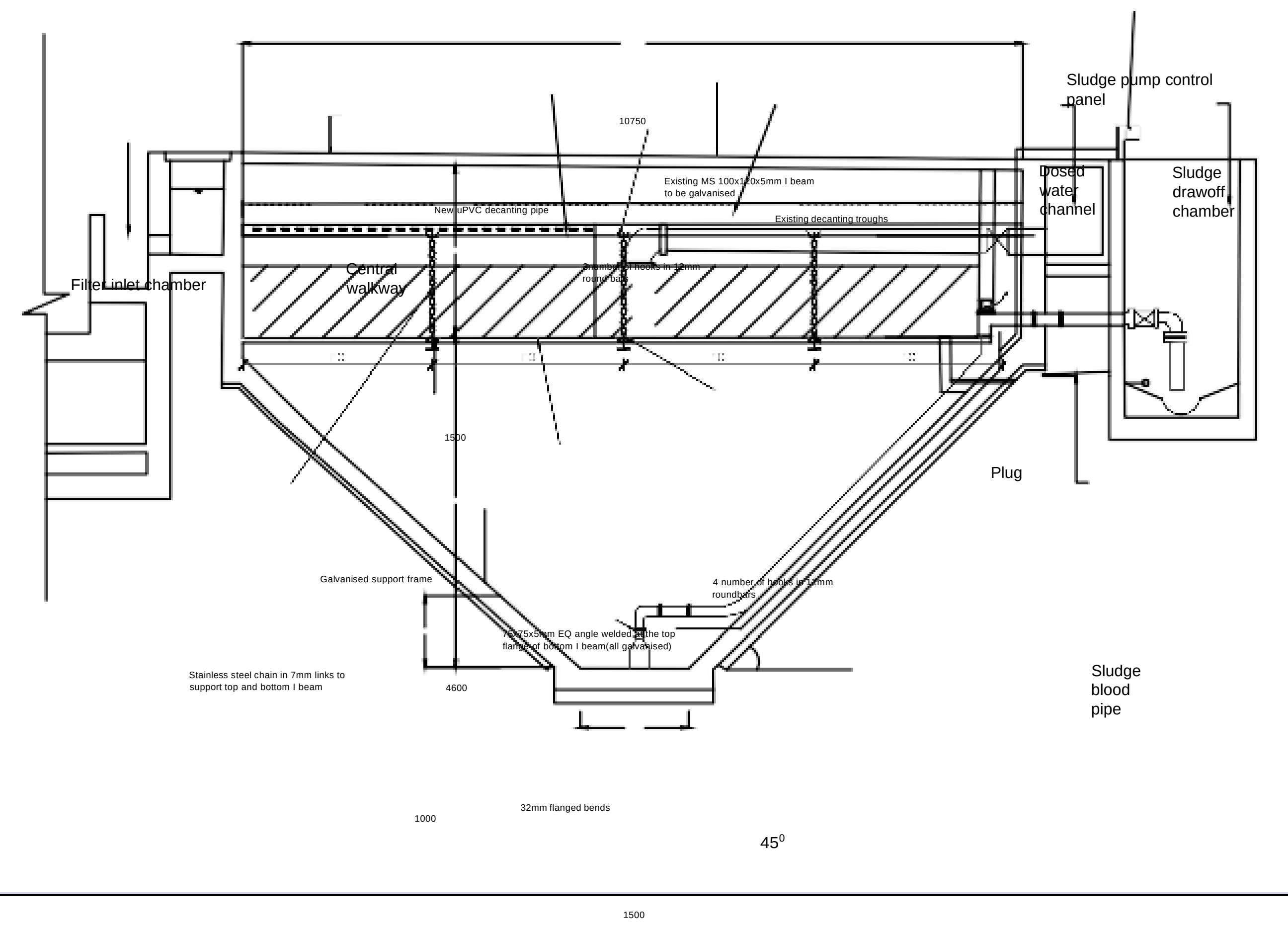
SEDIMENTATION BASIN -NEW PLAN

Designed By	H.G.W
Drawn By:	H.G.W
Approved By	PATRICK WAMBUK
Scale:As Shown	Date:DEC 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02 06



TUBE SETTLERS FRAME PLAN LAYOUT

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 25**
4. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses
5. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints
6. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS5390 should be used for all wall sections
7. **Mass concrete to be grade 15**
8. The first 20 slots in every flocculator chamber are 400mm wide
9. The last 15 slots in every flocculator chamber are 300mm wide
10. All wall widths are 200mm except for baffle walls which are 100mm

REVISIONS		SIGN	DATE	APPROVED
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THIKA WATER AND SEWARAGE COMPANY

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

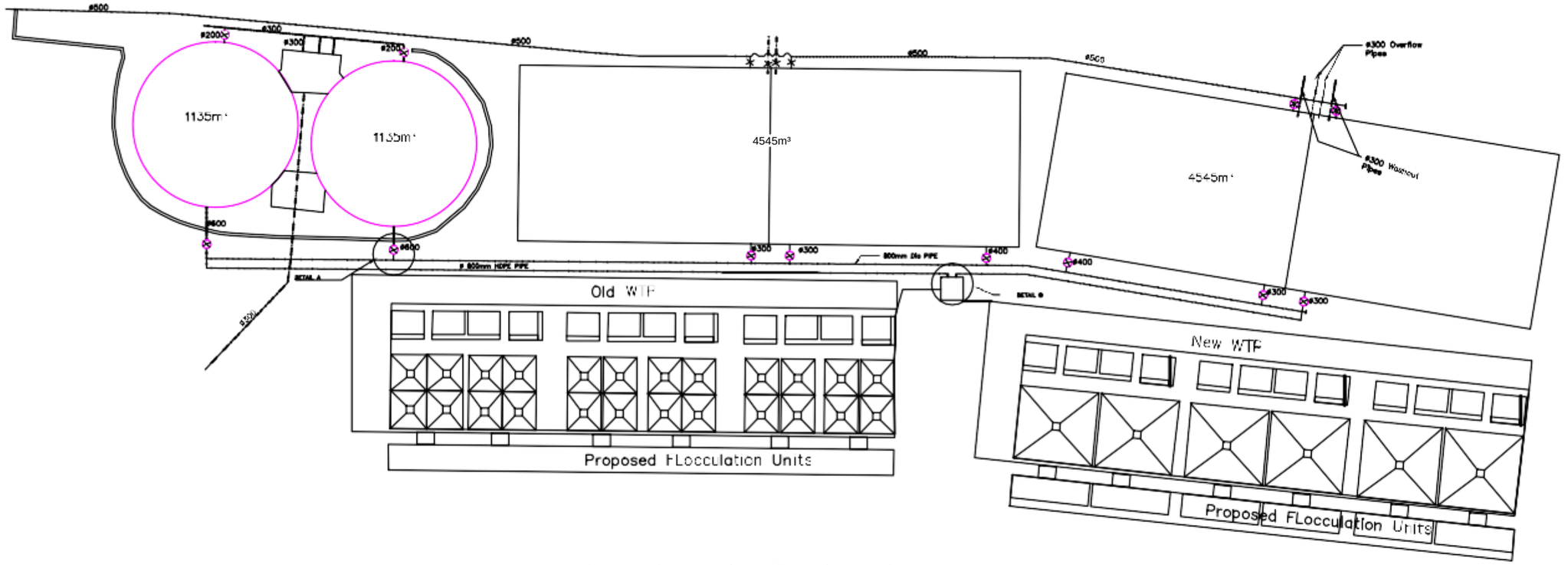
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 175 315
MOBILE:+254721220879

TUBE SETTLERS FRAME PLAN AND SECTION DETAILS LAYOUT-NEW UNIT

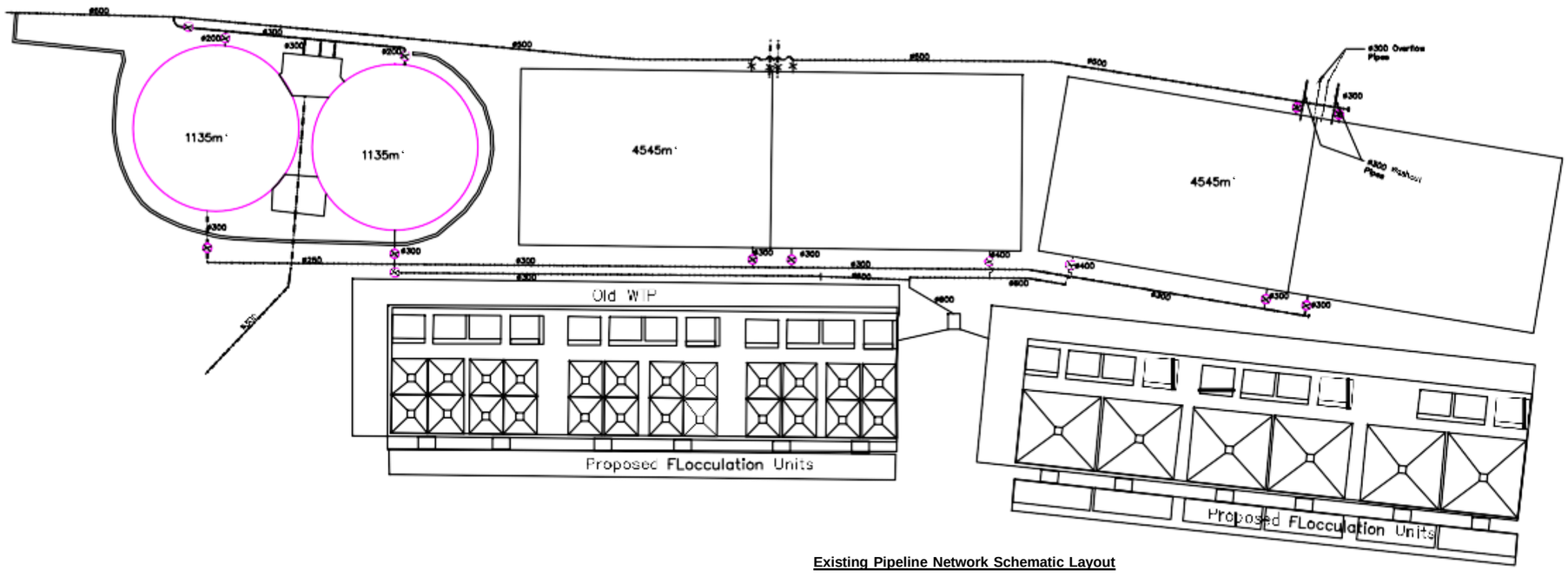
Designed by	H.G.W
Drawn by:	H.G.W
Approved by	PATRICK WAMBUK
Scale:As Shown	Date:DEC 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-07

SECTION A-A

SCALE 1:50



Proposed Pipeline Network Schematic Layout



Existing Pipeline Network Schematic Layout

NOTES

1. All dimensions are in millimeters unless otherwise stated
2. This drawing must not be scaled, only figured dimensions should be used

REVISIONS		SIGN	DATE	APPROVED
	BY			
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	BY			
	CHECKED			

THIKA WATER AND SEWARAGE COMPANY

SIGN ..... DATE .....

Project:

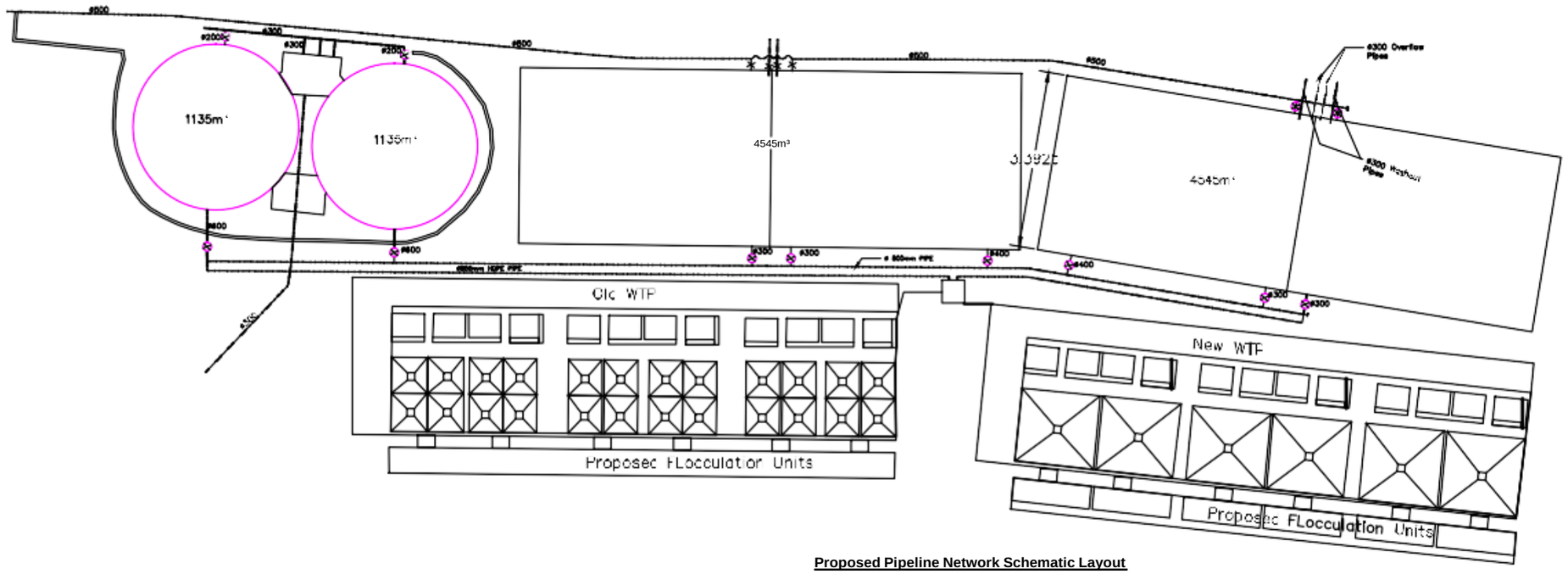
THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19623-00100, NAIROBI
TEL:0202 175 815
MOBILE:+254722123899

Drawing Title:

CLEAR WATER TANK PIPE-WORK LAYOUT

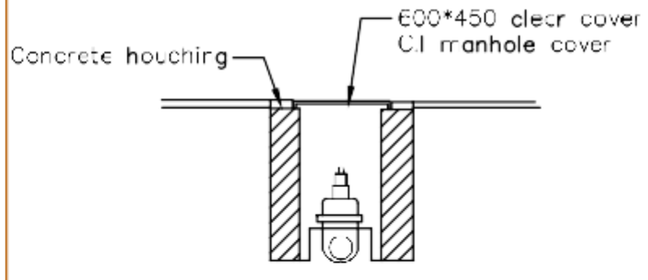
Designed by	H.G.W
Drawn by	H.G.W
Approved by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:DEC 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-11



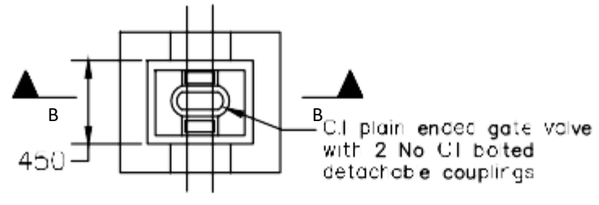
Proposed Pipeline Network Schematic Layout

SCHEDULE OF PIPE WORK

ITEM No.	No OF	DIA mm.	DESCRIPTION
CIRCULAR TANK	2	600	FLANGED SPIGOT PIPE
	2	600	FIANGED GATE VALVE
	2	600	PIPE WITH A PADDLE FLANGE
RECTANGULAR TANK	4	300	FLANGED SPIGOT PIPE
	4	300	FIANGED GATE VALVE
	4	300	PIPE WITH A PADDLE FLANGE
	2	400	FLANGED SPIGOT PIPE
	2	400	FIANGED GATE VALVE
	2	400	PIPE WITH A PADDLE FLANGE



Section B-B



TYPICAL PLAN LAYOUT
Gate valve shroud(Dia.400mm & 300mm)

NOTES

1. All dimensions are in millimeters unless otherwise stated
2. This drawing must not be scaled, only figured dimensions should be used

REVISIONS	SIGN	DATE	APPROVED
BY			
CHECKED			
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CHECKED			
BY			
CHECKED			

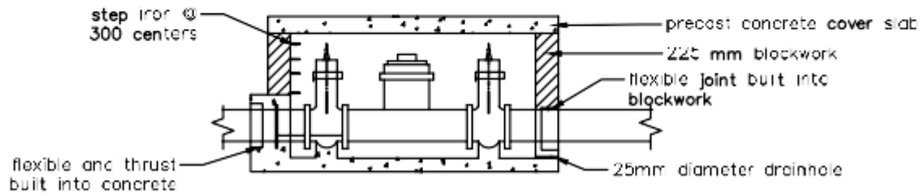
THIKA WATER AND SEWARAGE COMPANY

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

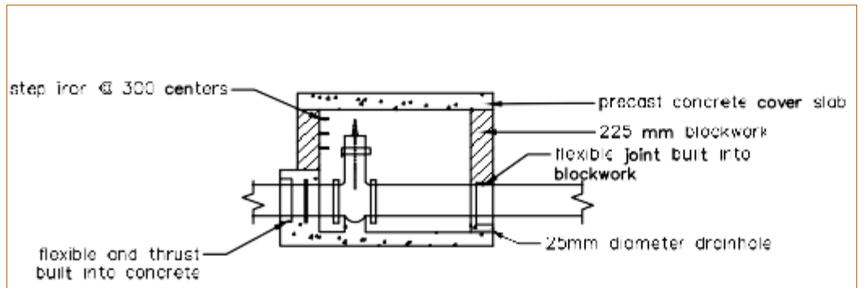
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 14223-00100, NAIROBI
TEL:2502 178 815
MOBILE:+254721220820

CLEAR WATER TANK PIPE-WORK IMPROVEMENTS LAYOUT

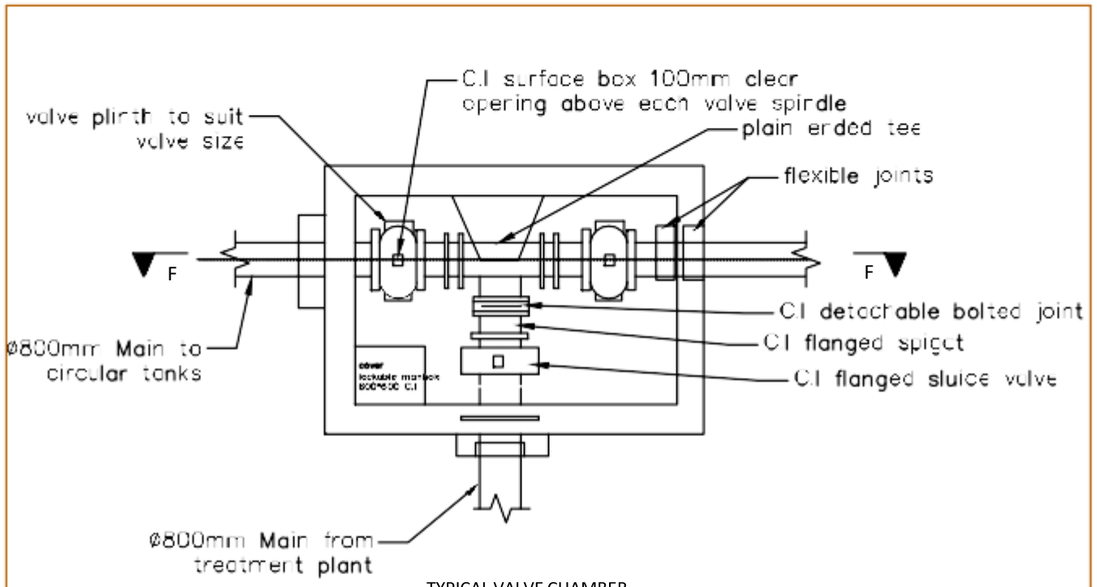
Designec by	H.G.W
Drawr by	H.G.W
Approvec by	PATRICK WAMBUKI
Scale: AS SHOWN	Date:DEC 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-12



Section F-F



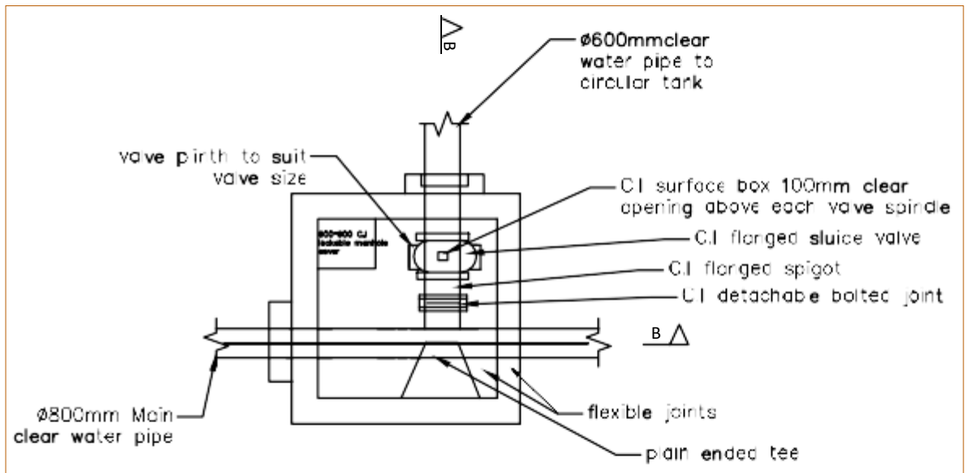
Section B-B



TYPICAL VALVE CHAMBER

(PLAN DIMENSION VARY TO SUIT PARTICULAR LOCATION)

DETAIL B



TYPICAL VALVE CHAMBER

(PLAN DIMENSION VARY TO SUIT PARTICULAR LOCATION)

DETAIL A

NOTES

1. All dimensions are in millimeters unless otherwise stated
2. This drawing must not be scaled, only figured dimensions should be used

REVISIONS		SIGN	DATE	APPROVED
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			

THIKA WATER AND SEWARAGE COMPANY

SIGN ..... DATE .....

Project:

THIKA WATER EFFICIENCY IMPROVEMENT PROJECT

Consultant / Engineer:

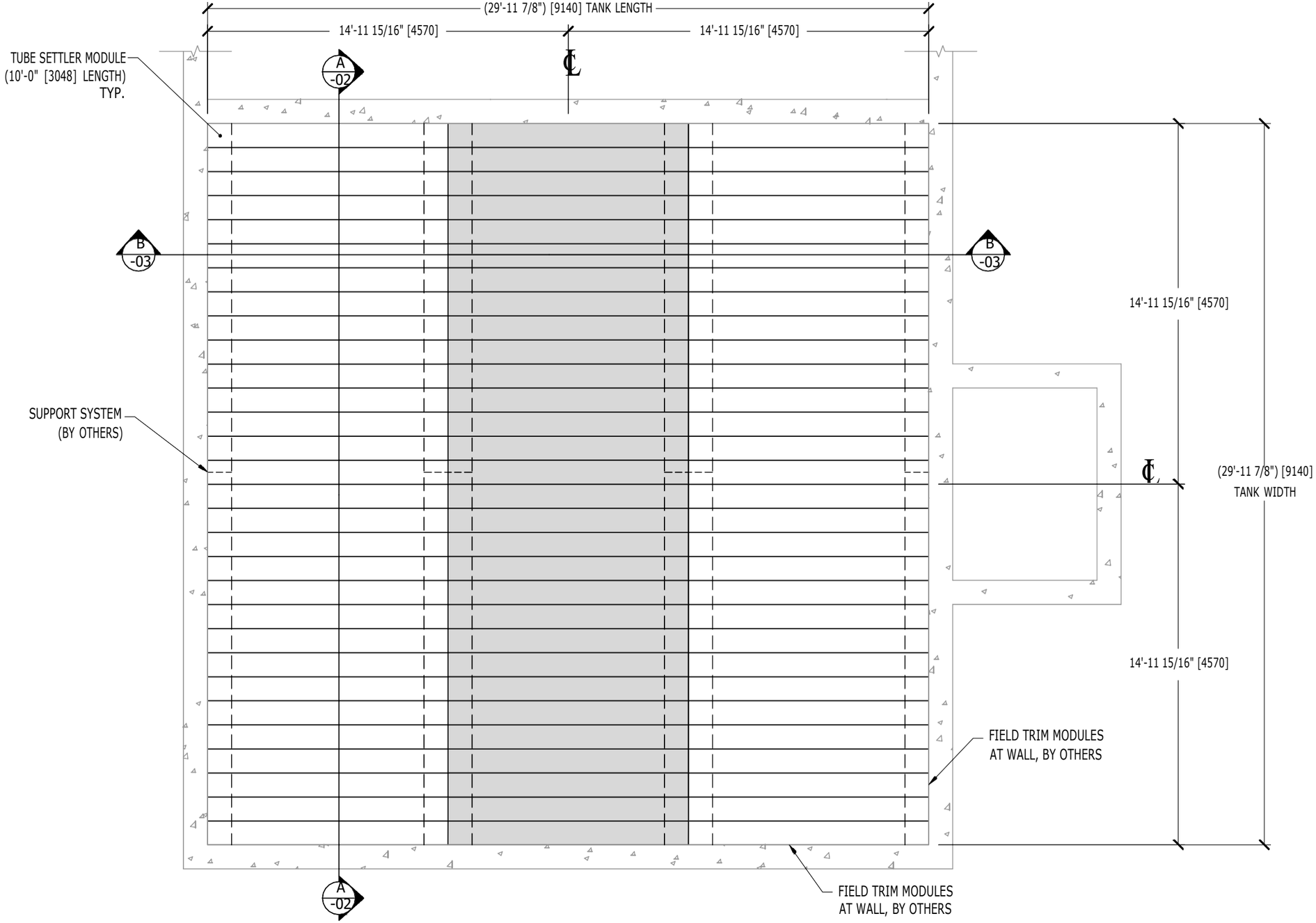
STRUCTURAL REINFORCEMENT COMPONENTS LTD
P.O. BOX 19223-00100, NAIROBI
TEL:0202 178 815
MOBILE:+254721933889

Project Title:

VALVE CHAMBER SECTION AND LAYOUR DETAILS

Designed By	H.G.W
Drawn By	H.G.W
Approved By	PATRICK WAMBUKI
Scale: AS SHOWN	Date:DEC 2018
JOB NO:	STRECCO-2018/01
DWG NO:	SRC/W/02-13

03- MANUFACTURERS DRAWINGS



NOTES:

1. DIMENSIONS AND ITEM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
2. TUBE SETTLER MODULES ARE SHOWN WITH DIFFERENT SHADING FOR CLARITY.
3. EXISTING TROUGHS ARE HIDDEN FOR CLARITY.
4. OVERHANGS AND WALKWAYS ARE HIDDEN FOR CLARITY.

REV	DESCRIPTION

SHEET REVISIONS

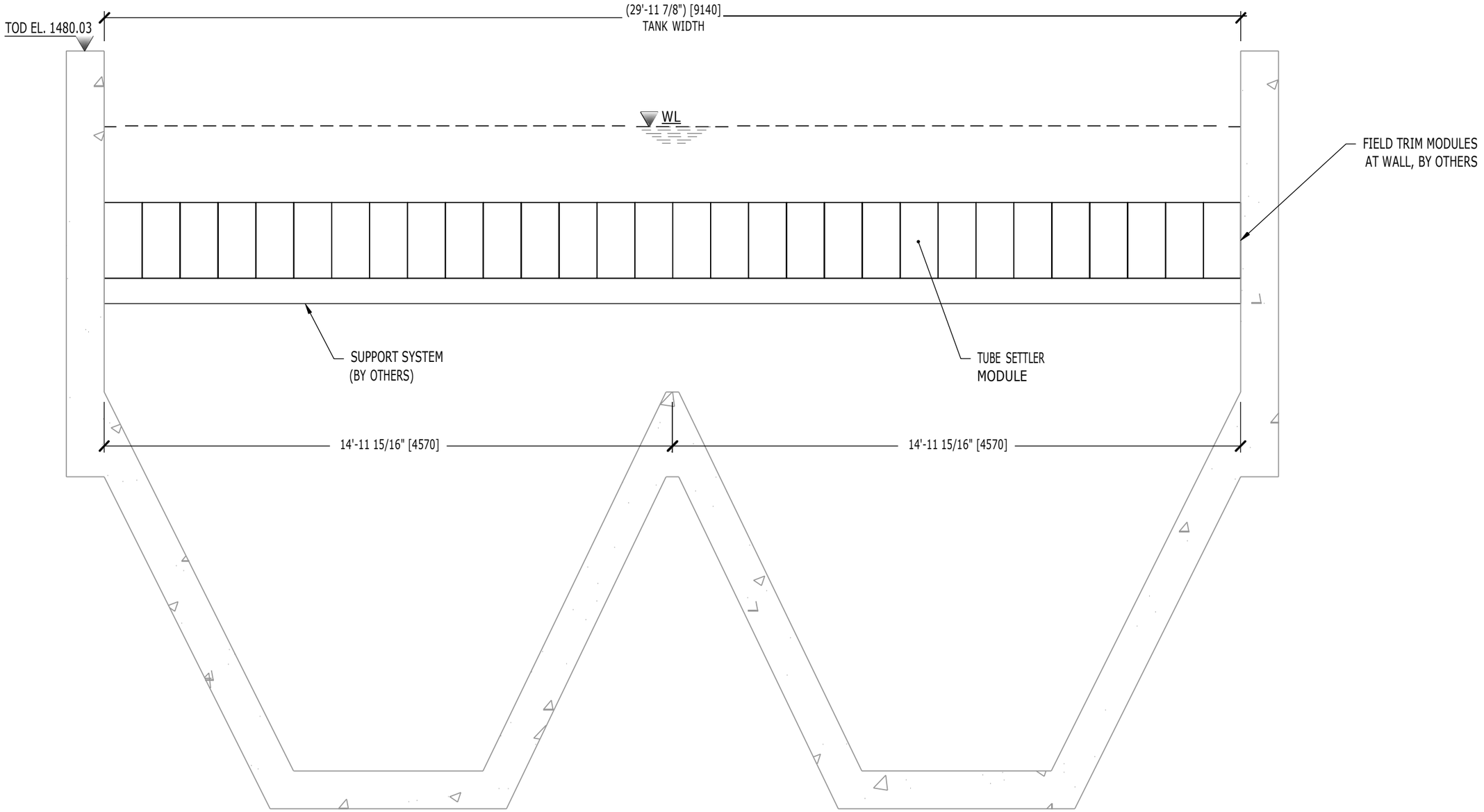
BRENTWOOD

STATUS: FOR QUOTE

PROJECT TITLE: INSTALLATION & LAYOUT FOR TUBE SETTLERS EQUIPMENT
THIKA WTP
TANKS 1-6

DRAWN	CHECKER	DRAWING TITLE
MAP 1/2/19		PLAN VIEW

SCALE	SHEET	DRAWING NUMBER	REV
NTS	01 of 03	THIKA-01	0



A-A SECTION
-01 NTS

NOTES:
1. DIMENSIONS AND ITEM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
2. EXISTING TROUGHS ARE HIDDEN FOR CLARITY.

REV	DESCRIPTION

SHEET REVISIONS

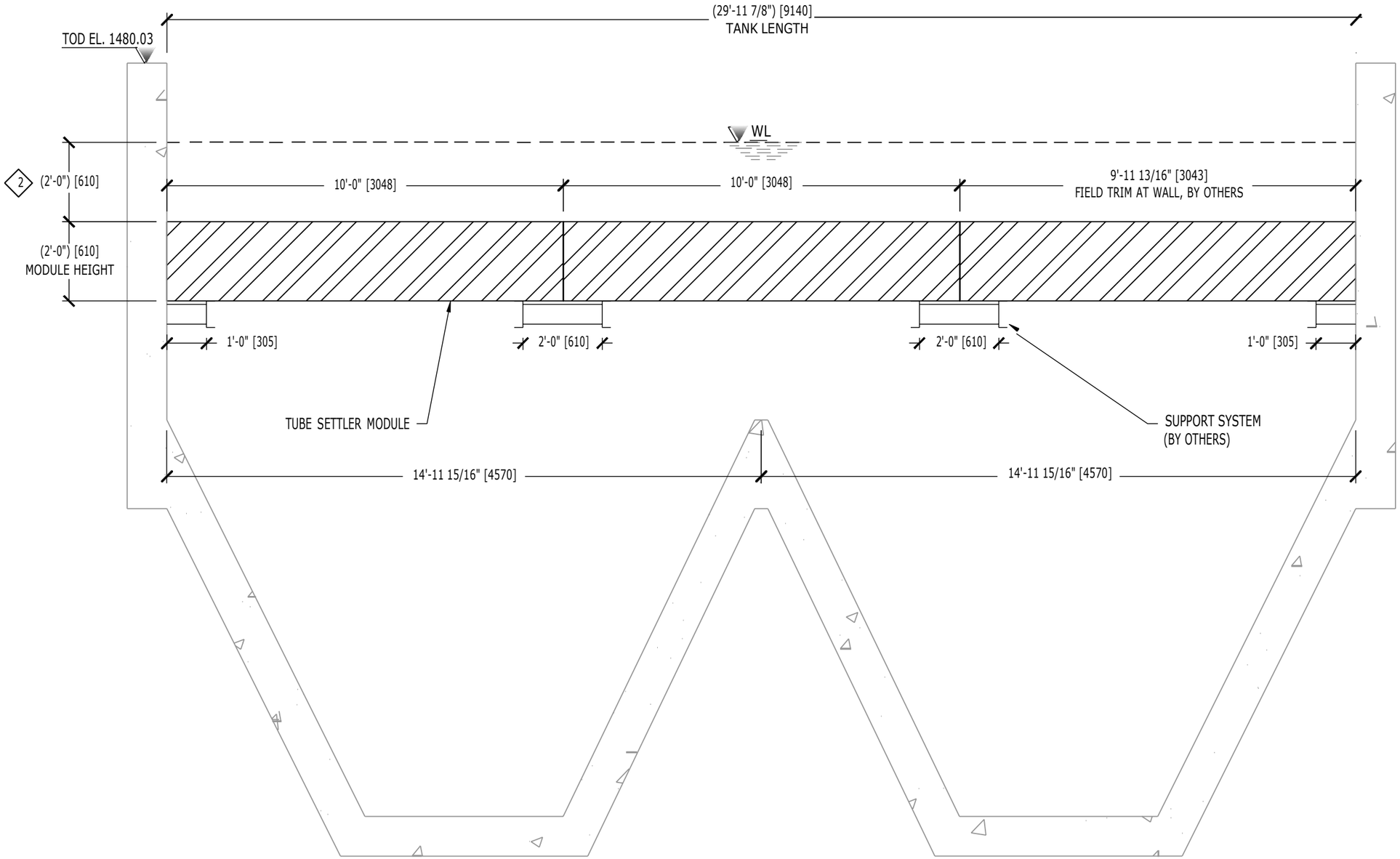
BRENTWOOD

STATUS: FOR QUOTE

PROJECT TITLE: INSTALLATION & LAYOUT FOR TUBE SETTLERS EQUIPMENT
THIKA WTP
TANKS 1-6

DRAWN	CHECKER	DRAWING TITLE
MAP 1/2/19		SECTION A-A

SCALE	SHEET	DRAWING NUMBER	REV
AS NOTED	02 of 03	THIKA-02	0



B-B ELEVATION
-01 NTS

NOTES:
1. DIMENSIONS AND ITEM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
2. BRENTWOOD TYPICALLY SEES 18"-30" [457-762] FROM WATER LEVEL TO TOP OF TUBES.
3. EXISTING TROUGHS ARE HIDDEN FOR CLARITY.

REV	DESCRIPTION

SHEET REVISIONS

BRENTWOOD

STATUS: FOR QUOTE

PROJECT TITLE: INSTALLATION & LAYOUT FOR TUBE SETTLERS EQUIPMENT
THIKA WTP
TANKS 1-6

DRAWN	CHECKER	DRAWING TITLE
MAP 1/2/19		ELEVATION B-B

SCALE	SHEET	DRAWING NUMBER	REV
AS NOTED	03 of 03	THIKA-03	0