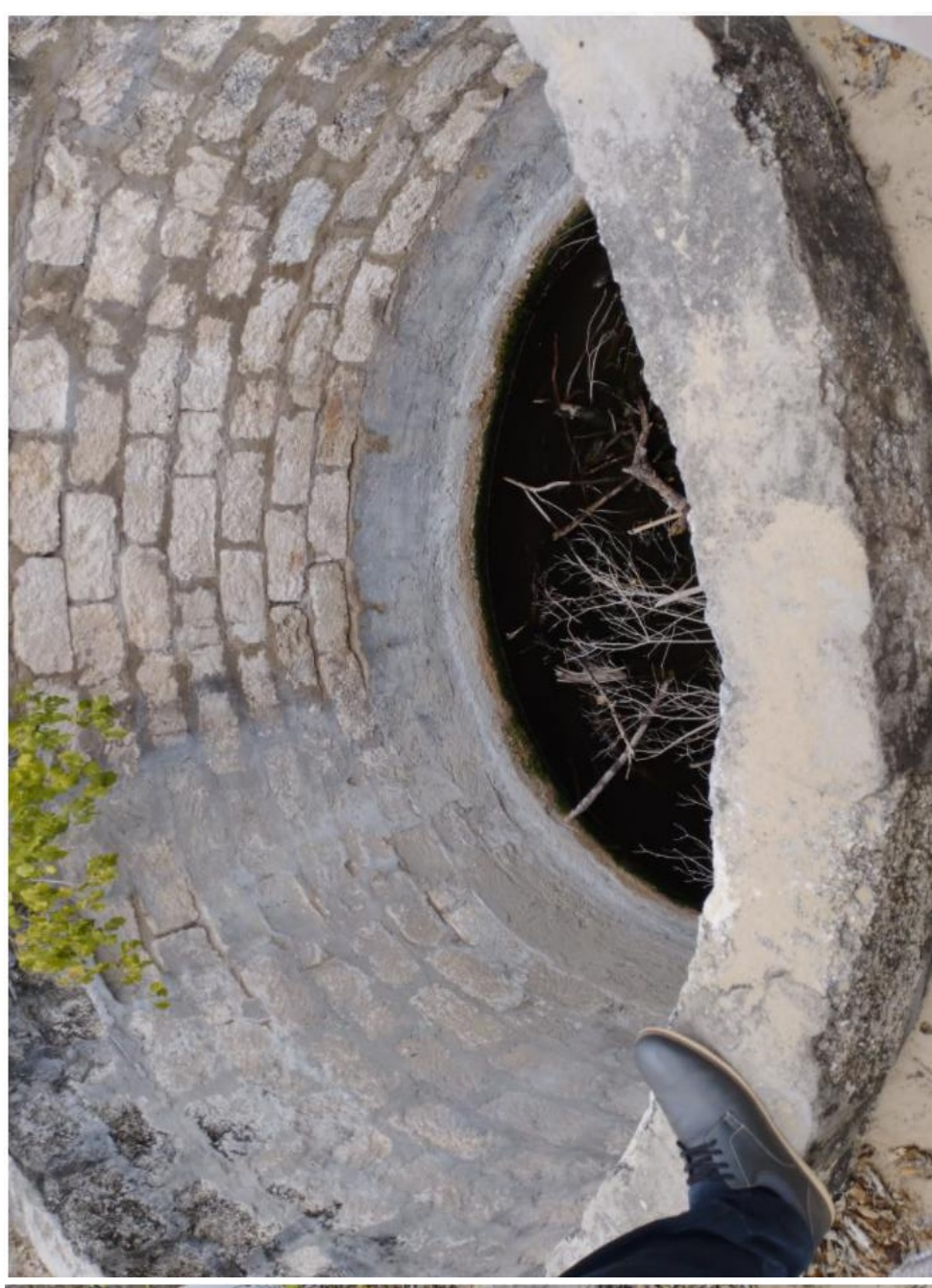
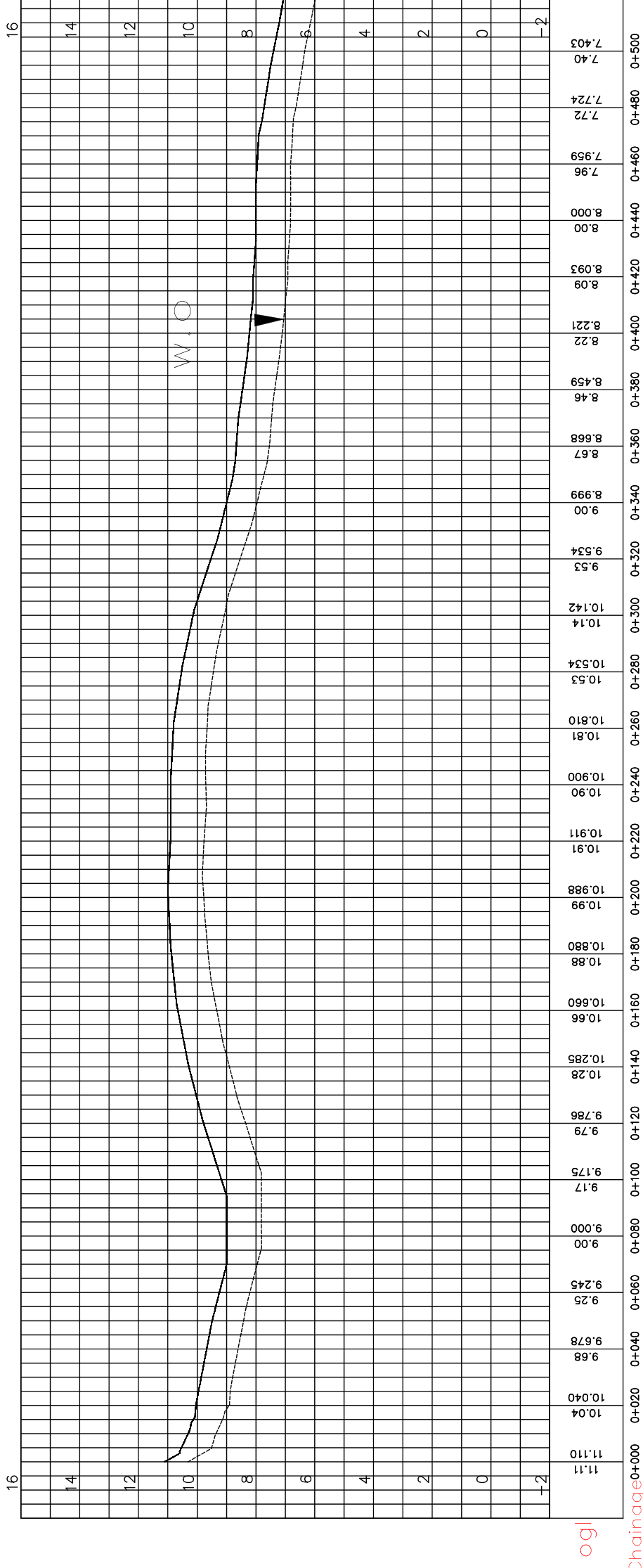


BOOK OF DRAWINGS FOR PROPOSED KATSANGAI WATER SUPPLY PROJECT



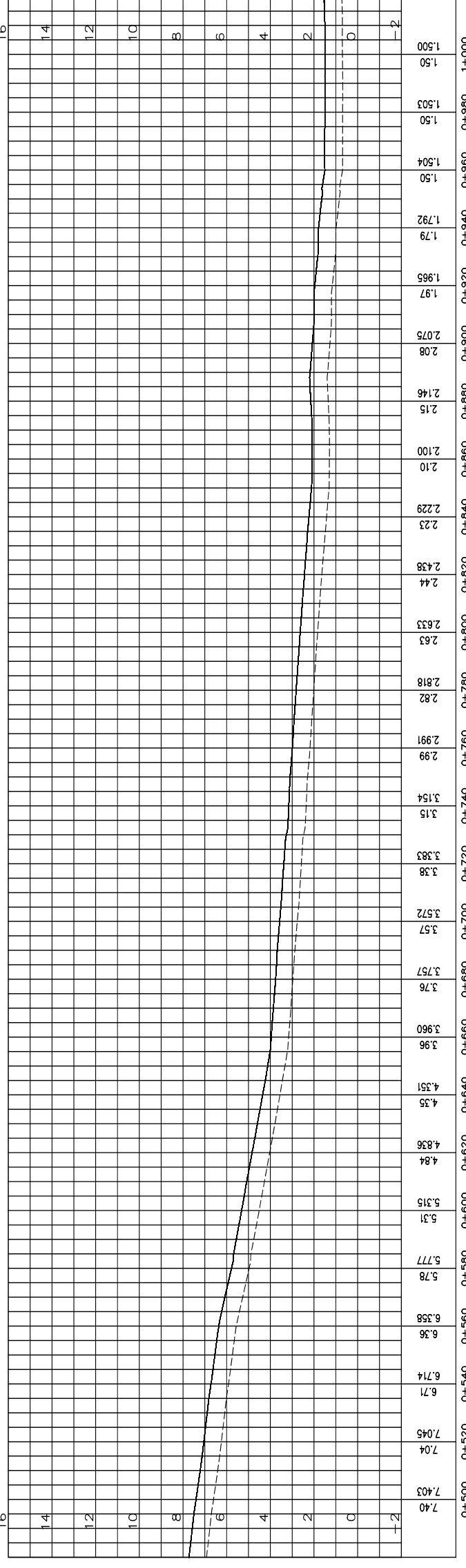
INTERNATIONAL COMMITTEE
FOR DEVELOPMENT OF PEOPLE
NAIROBI OFFICE # 117
MANYANI EAST ROAD, OFF
JAMES GICHURU, LAVINGTON,
NAIROBI , KENYA
Email: kenya@cisp-ngo.org

CHAINAGE: 0+000 TO 0+500



Pipe 55mm, Dia at 0.8m min. depth.
 HDPE, 12.5 PN

CHAINAGE: 0+500 TO 1+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

- All Levels are in metres based on National Datum
- All dimensions are in meters unless otherwise specified.

LEGEND:-



SURVEY BENCHMARK

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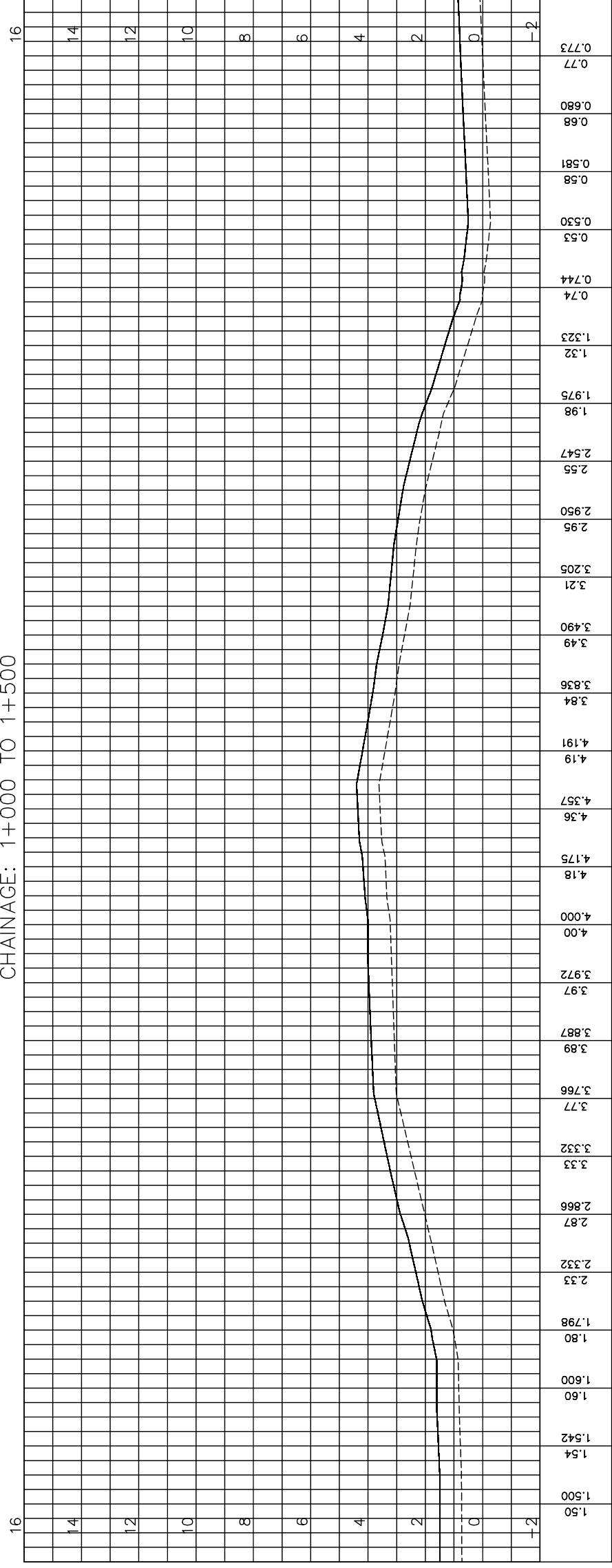
PROJECT:
 WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANA-RIVER COUNTY

CISP
 INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF JAMES GICHURU, LIVINGSTON, NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 Nairobi, KENYA
 Telephone: +254 - 722617042 Email: rameso@yahoo.com

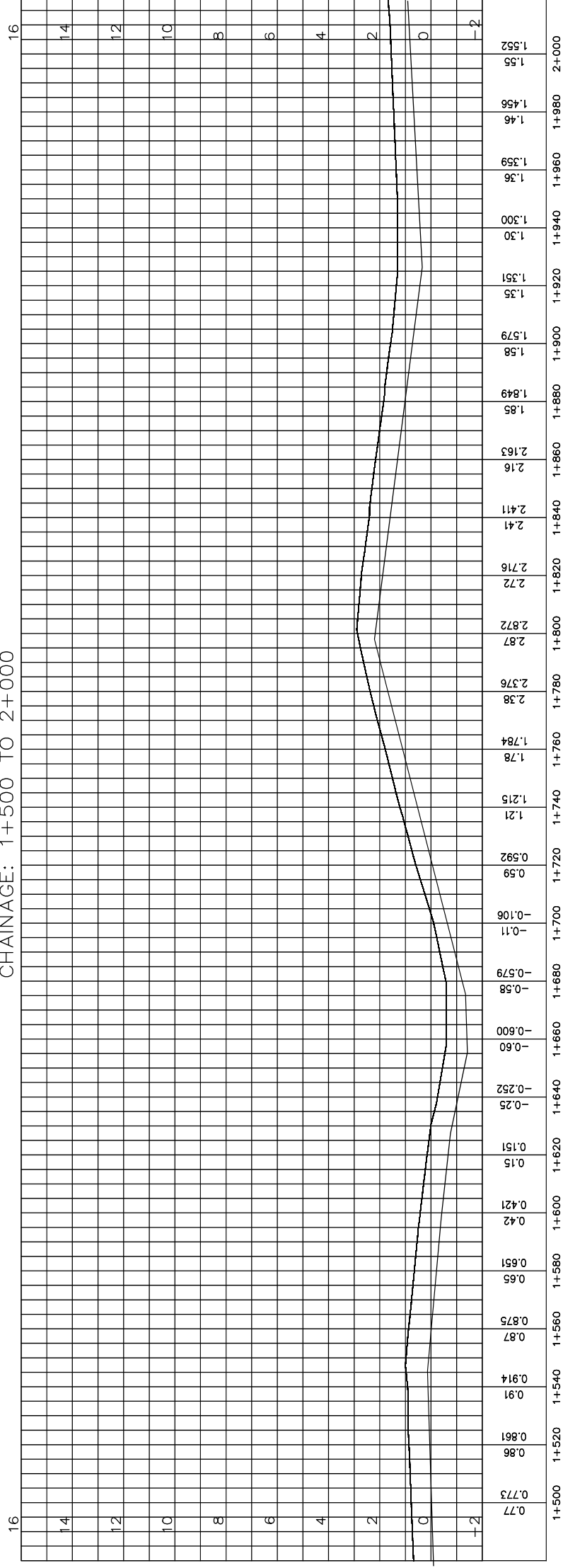
Pipeline Profile

CHAINAGE: 1+000 TO 1+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 1+500 TO 2+000

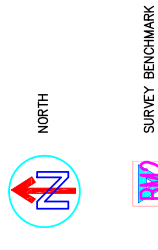


Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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- All dimensions are in meters unless otherwise specified.

LEGEND:-



REV	REVISIONS	SR	DATE	APPROVED
4	BY			
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PROJECT: WASH+COMMUNITY RESILIENCEBUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANJA-RIVER COUNTY



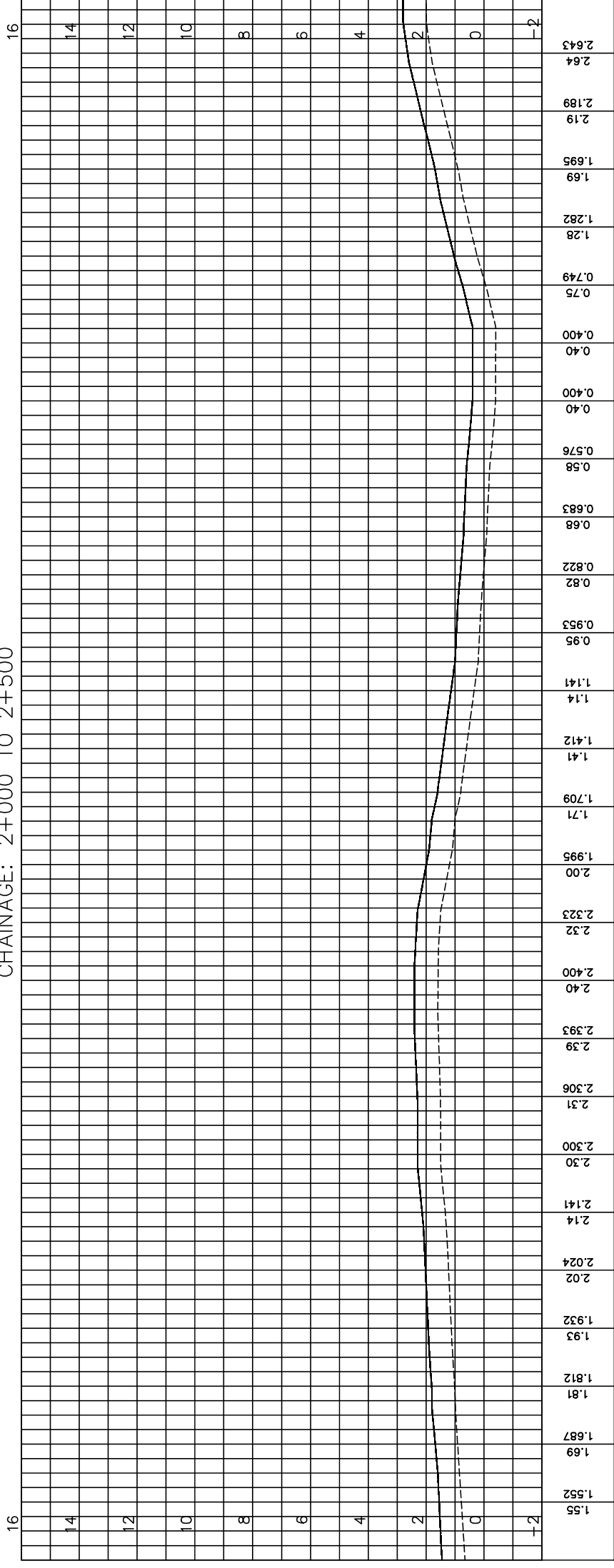
INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 REGIONAL OFFICE AT
 MANVALESTRA OFFICE
 JAMES GICHURU LANSINGTON,
 NAIROBI, KENYA
 Email: kenya@cisp-dko.org

INDIVIDUALCONSULTANT

ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042 Email:
 rameso@yahoo.com

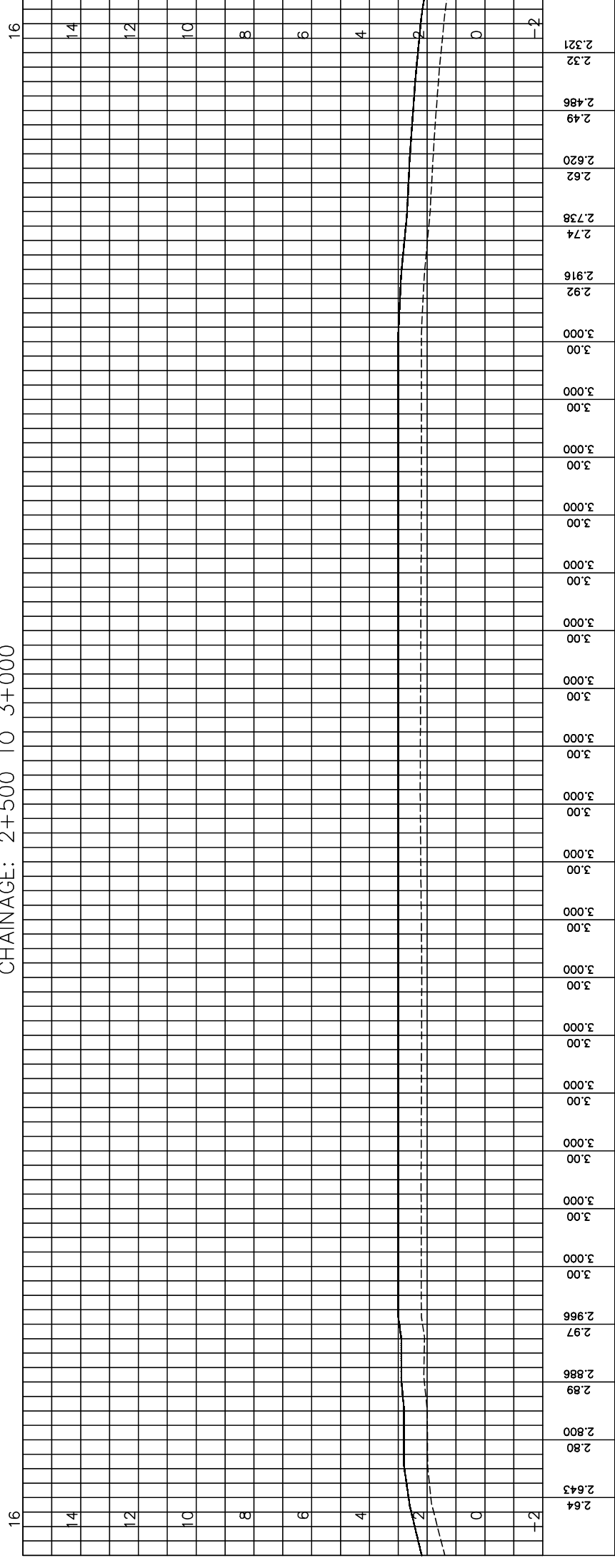
Layout & Profile

CHAINAGE: 2+000 TO 2+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 2+500 TO 3+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND:-



REV	REVISIONS	BY	DATE	APPROVED
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PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANU-RIVER COUNTY

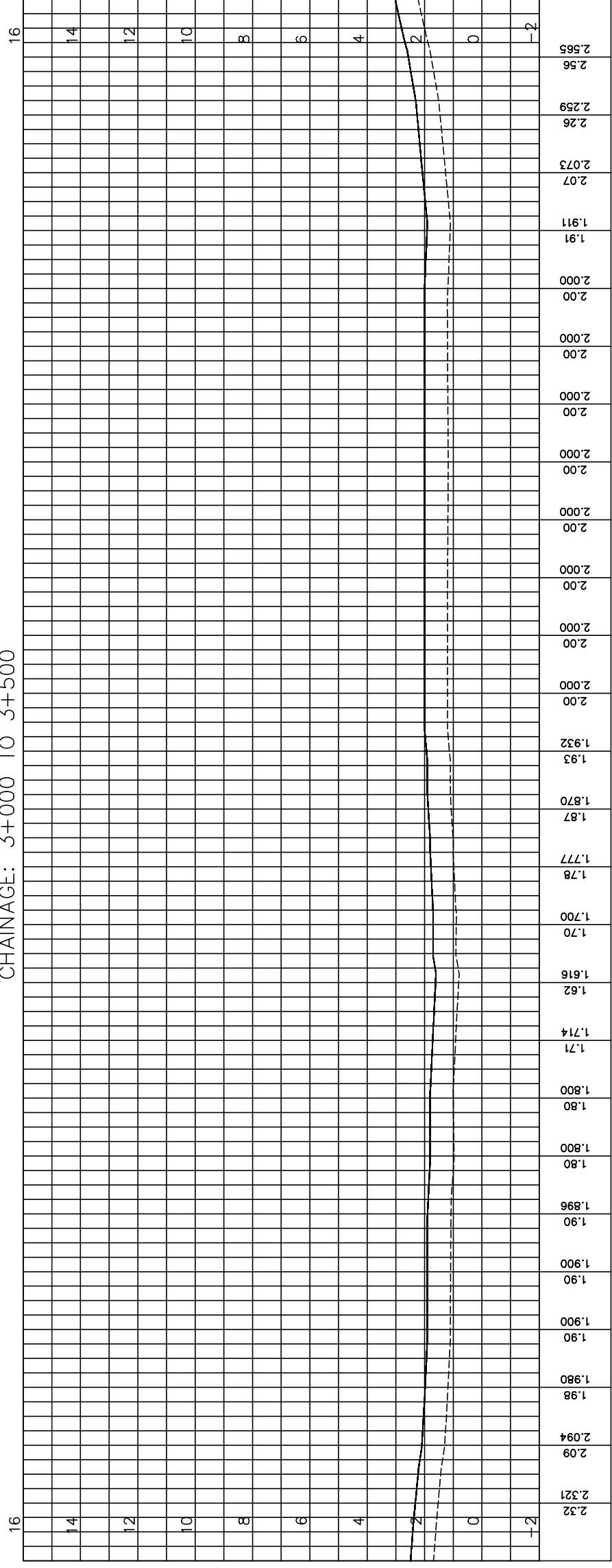
CISP
CENTRAL INSTITUTE FOR
SUSTAINABLE INFRASTRUCTURE
PLANNING

INTERNATIONAL COMMITTEE
FOR DEVELOPMENT OF PEOPLE
NAIROBI OFFICE # 117
MANYANI EAST ROAD, OFF
JAMES GICHURU, LIVINGSTON,
NAIROBI, KENYA
Email: kenya@cisplanning.org

INDIVIDUAL CONSULTANT
ENG. JMR
P.O BOX 72398-0200
NAIROBI, KENYA
Telephone: +254 - 722617042 Email:
ramesso@yahoo.com

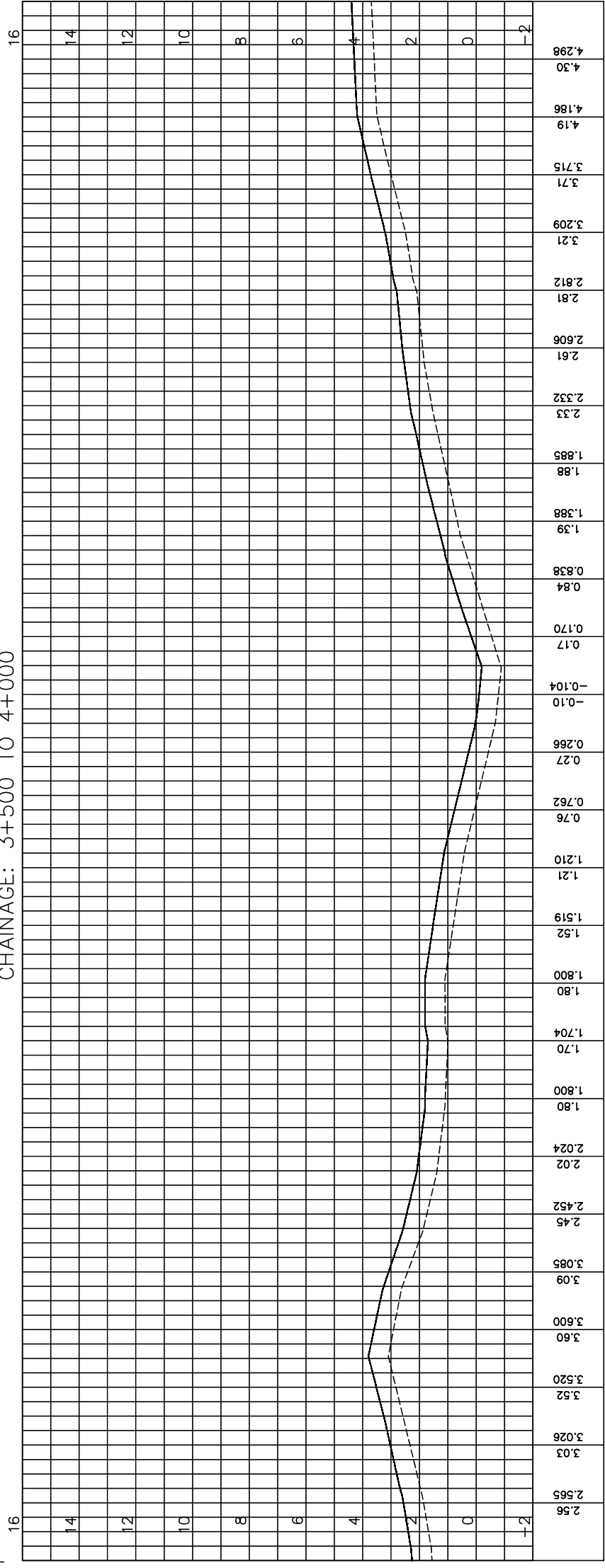
Layout & Profile

CHAINAGE: 3+000 TO 3+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 3+500 TO 4+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND:-



NORTH



SURVEY BENCHMARK

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PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANU-RIVER COUNTY



INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF JAMES GICHURU, LIVINGSTON, NAIROBI, KENYA
 Email: kenya@cisppartnership.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA

Telephone: +254 - 722617042 Email: ramesso@yahoo.com

Layout & Profile

Scale: 1:500

Date: JUNE 2022

DWG No Kelo Kelo

4/8

NOTES:

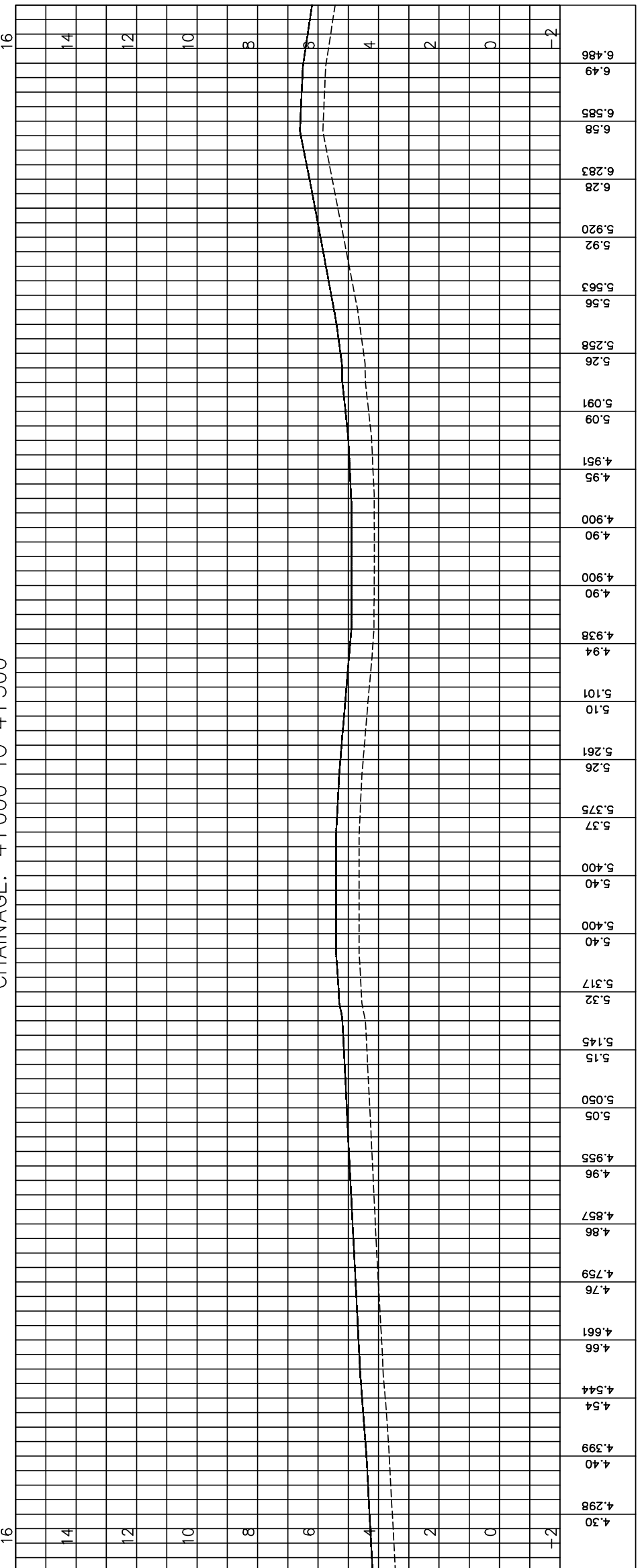
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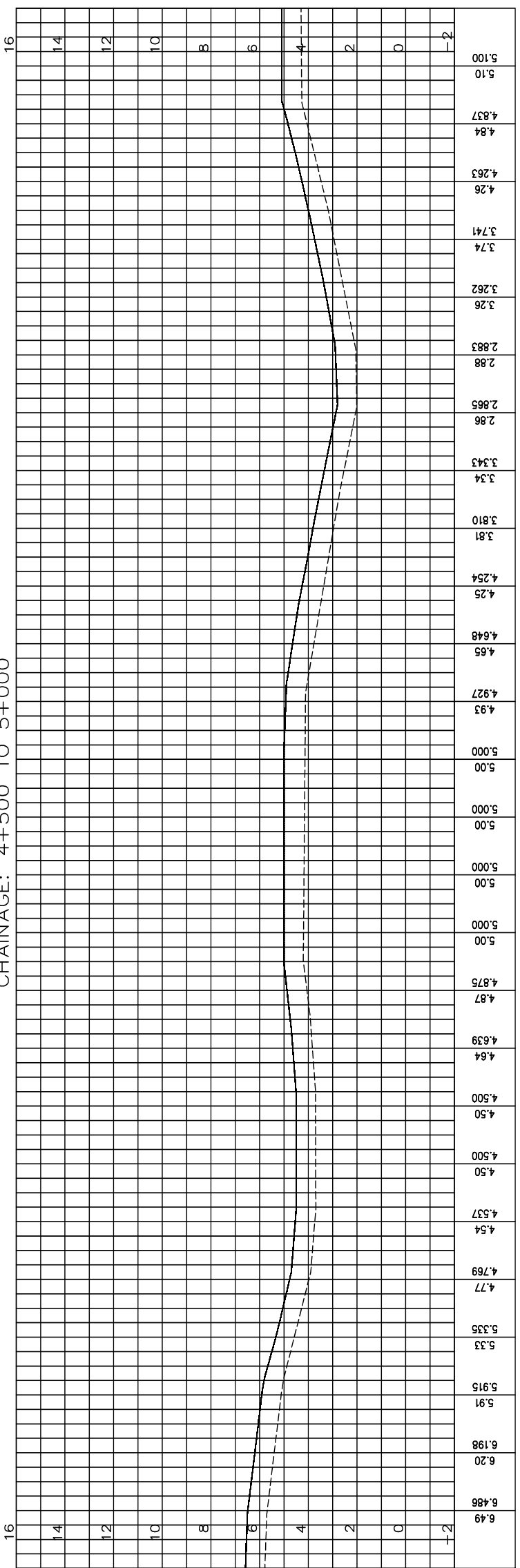
SURVEY BENCHMARK

CHAINAGE: 4+000 TO 4+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 4+500 TO 5+000



Pipe 55mm Dia, at 0.8m min. depth.

REV	REVISIONS	DATE	BY
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1	REVISED		

PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANA-RIVER COUNTY

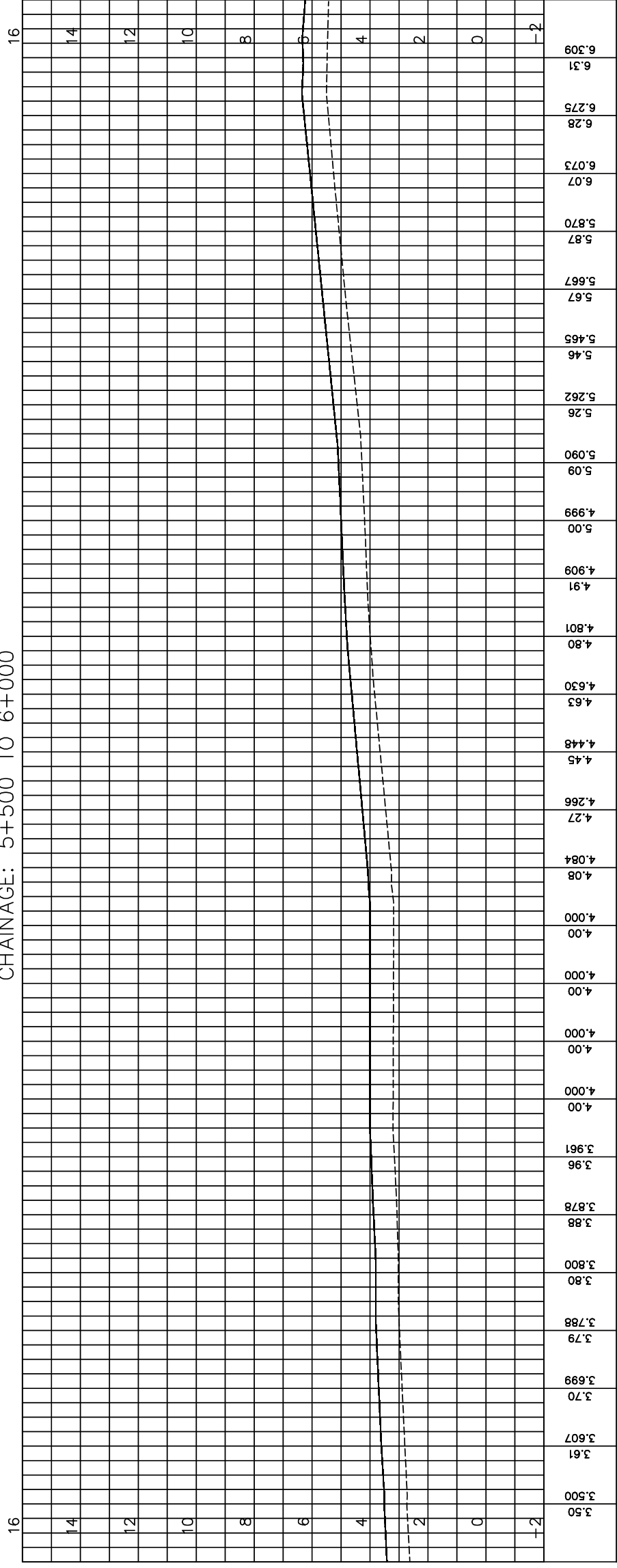


INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF
 JAMES GICHURU, LAVINGTON,
 NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042 Email: ramesso@yahoo.com

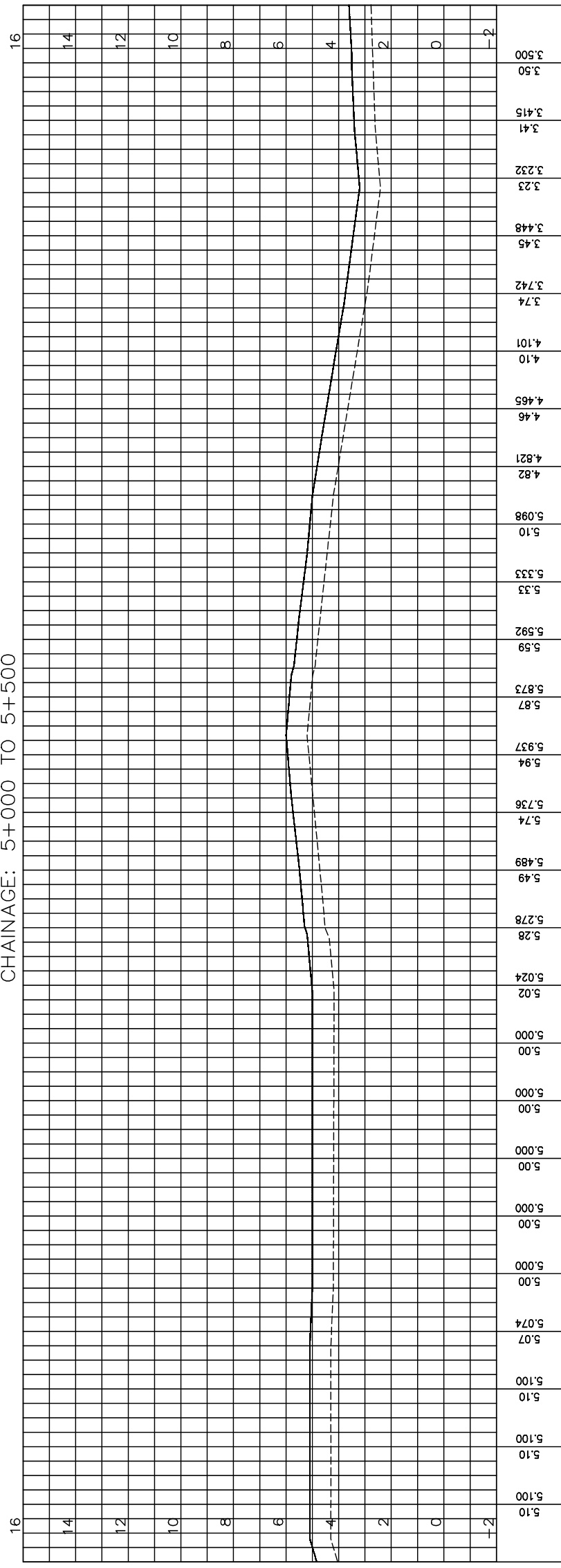
Layout & Profile

CHAINAGE: 5+500 TO 6+000



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 5+000 TO 5+500



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND: -



SURVEY BENCHMARK



NO	REVISIONS	BY	DATE	APPROVED
4				
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PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANU-RIVER COUNTY



INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF
 JAMES GICHURU, LAVINGTON,
 NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

INDIVIDUALCONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042 Email:
 ramesse@yahoo.com

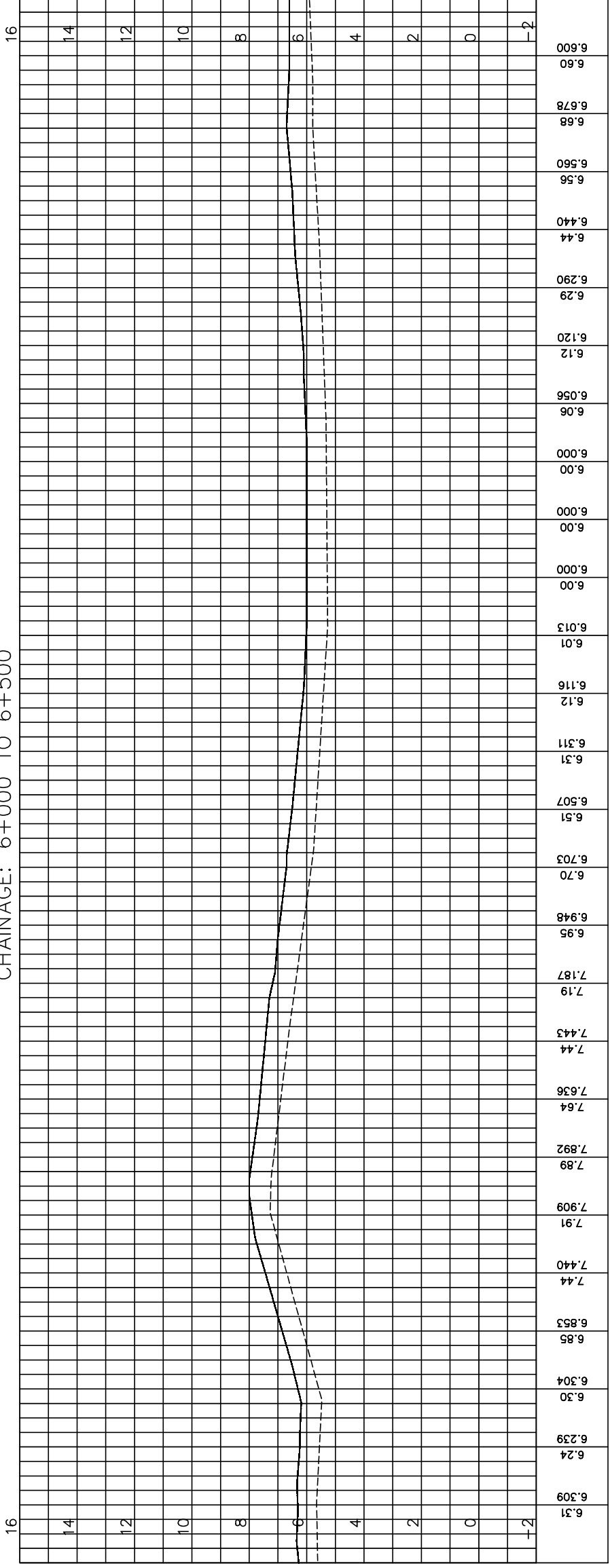
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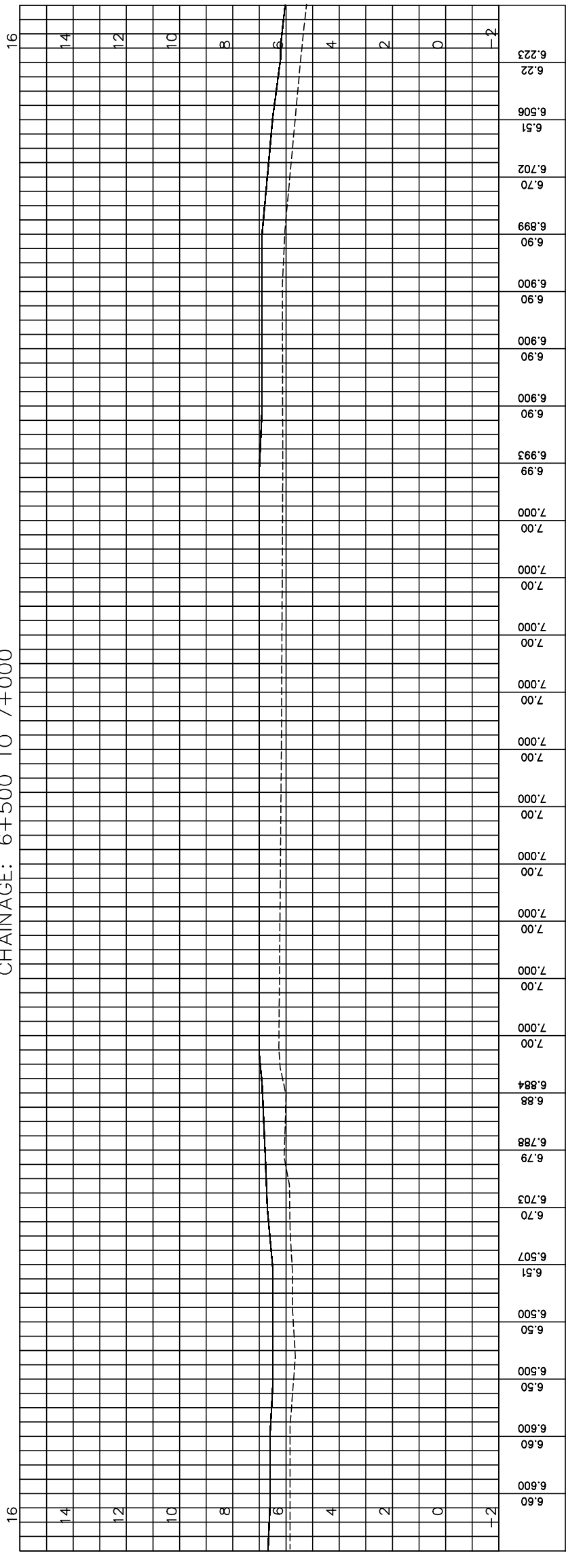
4/8

CHAINAGE: 6+000 TO 6+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 6+500 TO 7+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND:--



NORTH



SURVEY BENCHMARK

REV	REVISIONS	DATE	APPROVED
1	IF		
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10	IF		

PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANARIVER COUNTY



INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF JAMES GICHURU, LAVINGTON, NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

INDIVIDUALCONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 Nairobi, KENYA
 Telephone: +254 - 722617042 Email: ramesso@yahoo.com

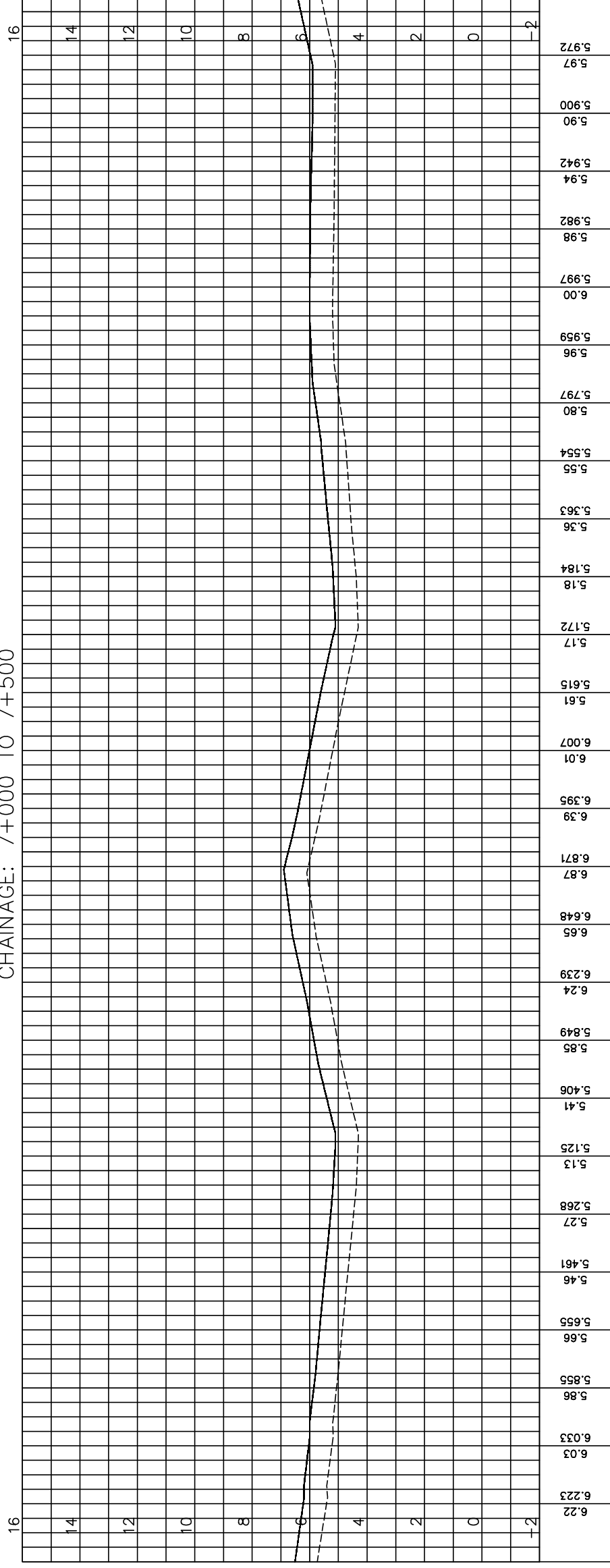
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Date: JUNE 2022

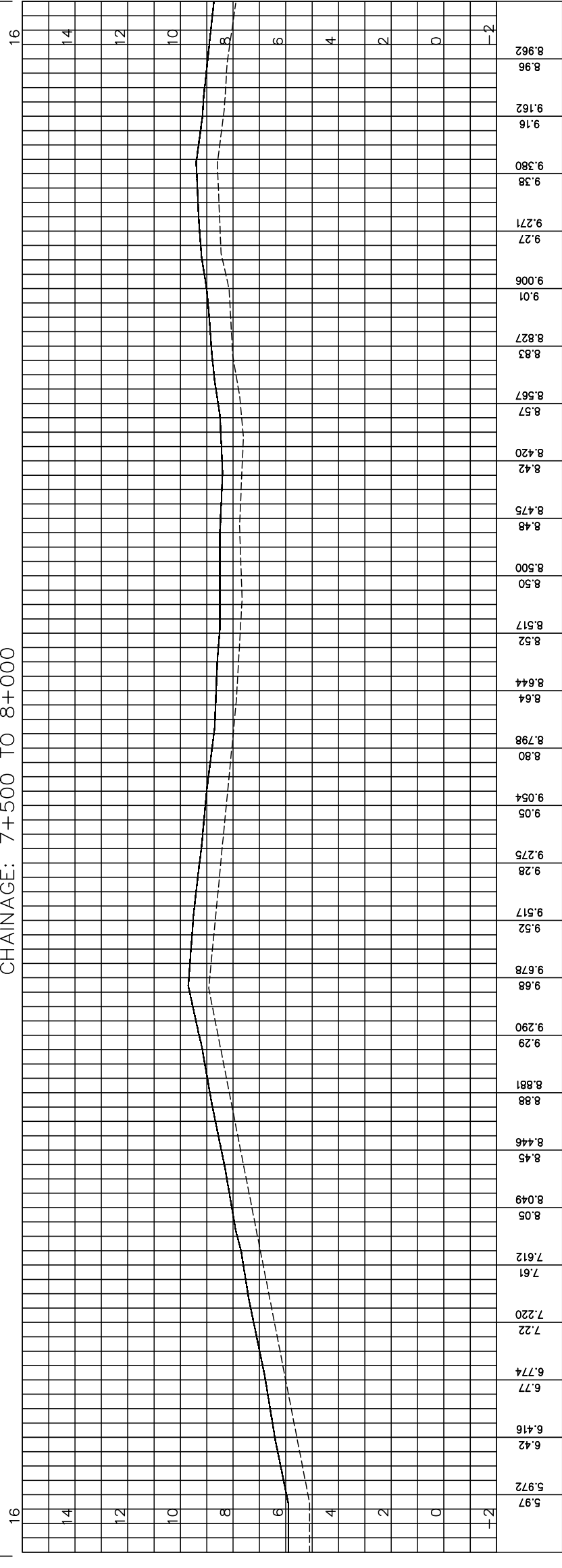
DWG NO: Kelo Kelo 4/8

CHAINAGE: 7+000 TO 7+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 7+500 TO 8+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND:--



NO	REVISIONS	DATE	BY	CHKD	APPROVED
4					
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PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANA-RIVER COUNTY

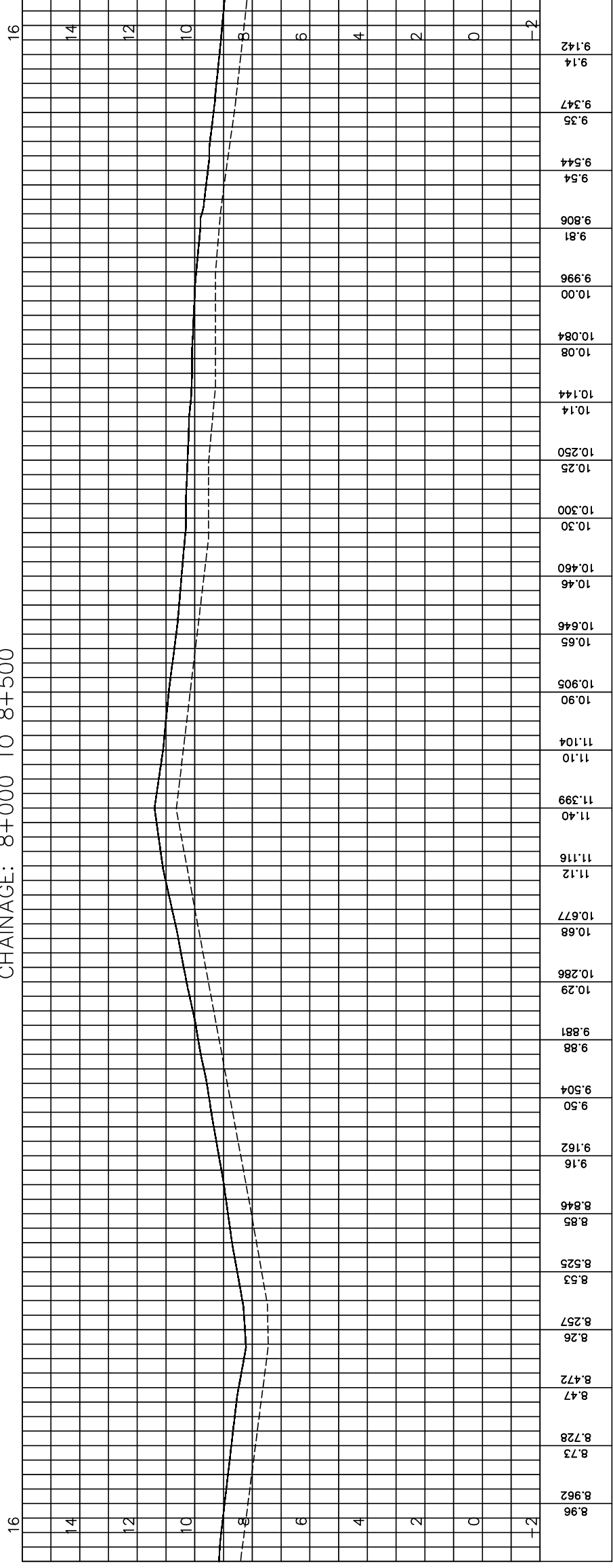


INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF
 JAMES GICHURU, LAVINGTON,
 NAIROBI, KENYA
 Email: kenya@cisp-ipo.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042 Email: raimesso@yahoo.com

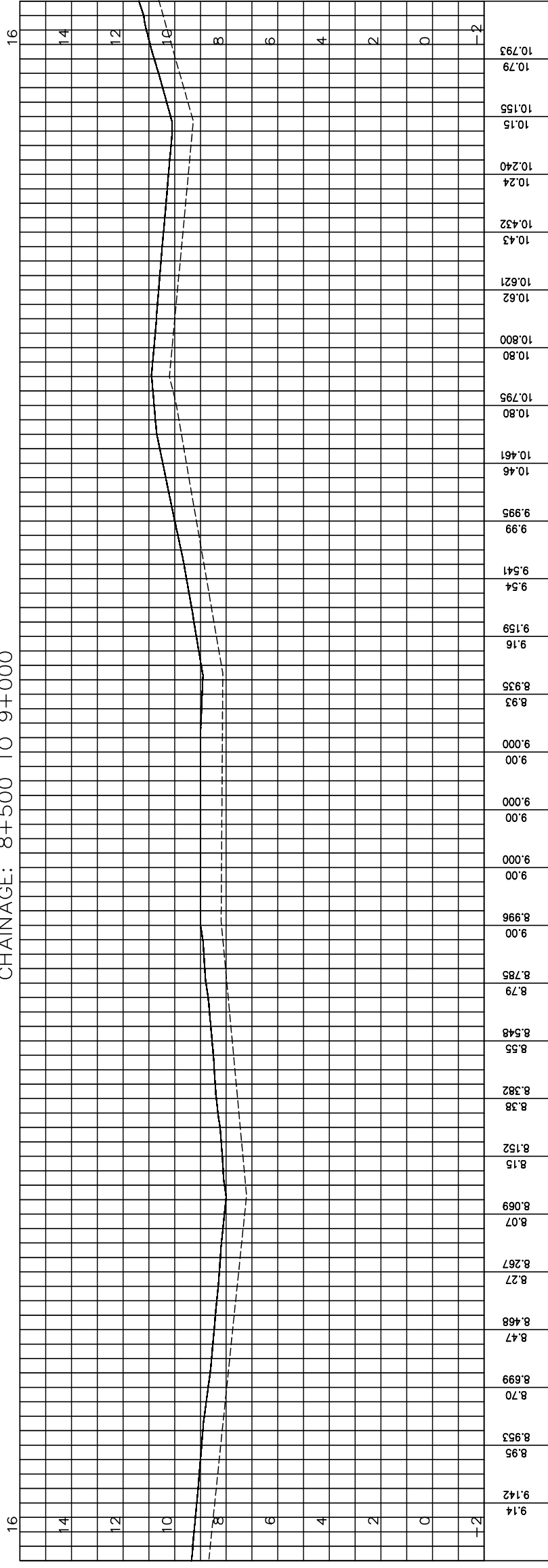
Layout & Profile

CHAINAGE: 8+000 TO 8+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 8+500 TO 9+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND:-



NORTH

SURVEY BENCHMARK

REV	REVISIONS	BY	DATE	APPROVED
4				
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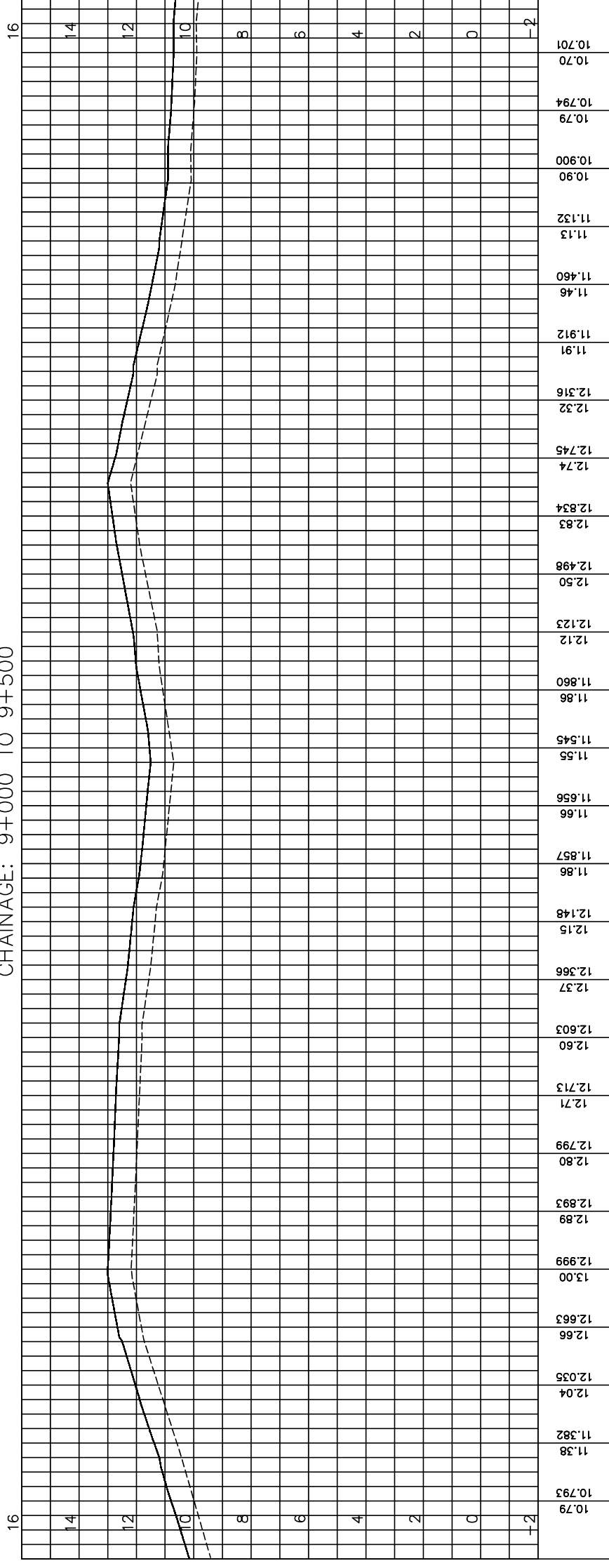
PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANARIVER COUNTY

CISP
 INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF JAMES GICHURU, LIVINGSTON, NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042 Email: ramesso@yahoo.com

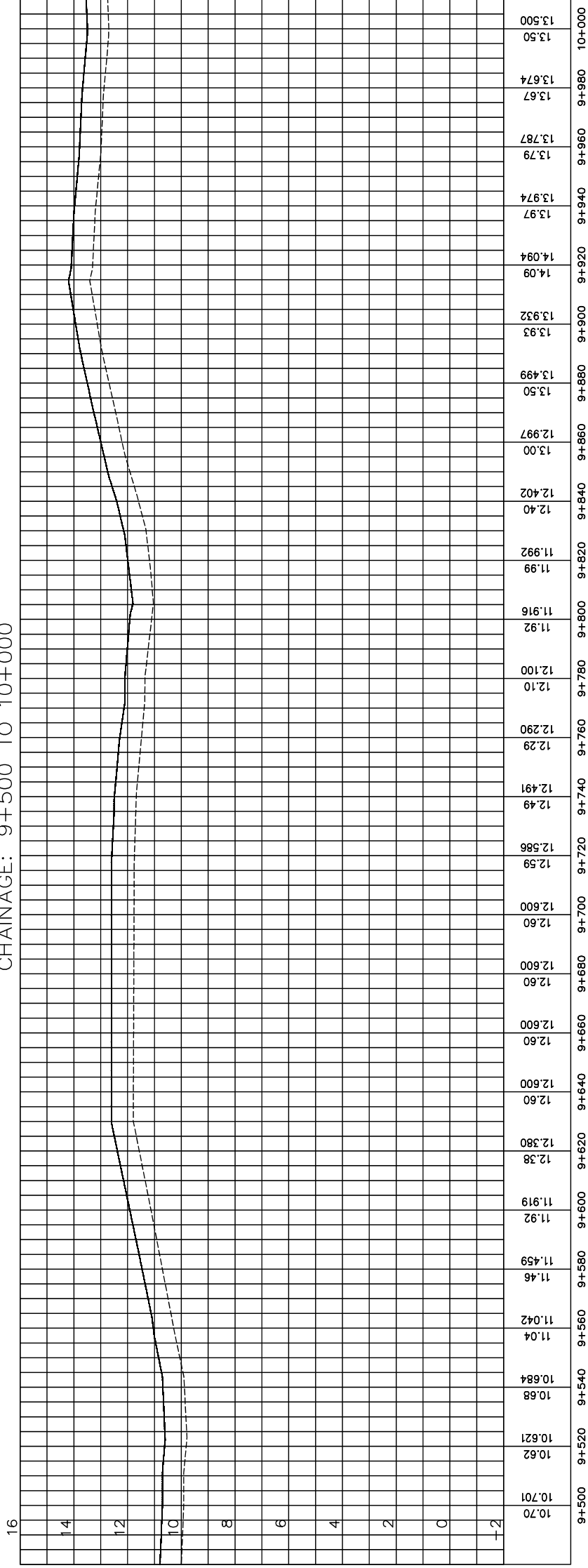
Layout & Profile

CHAINAGE: 9+000 TO 9+500



Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 9+500 TO 10+000



Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND: -



NORTH



SURVEY BENCHMARK

REV	REVISIONS	BY	DATE	APPROVED
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PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TAN-RIVER COUNTY



INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF CAMPUS UNIVERSITY, NAIROBI, KENYA
 Email: kenya@cisp-dk.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042 Email: ramieso@yahoo.com

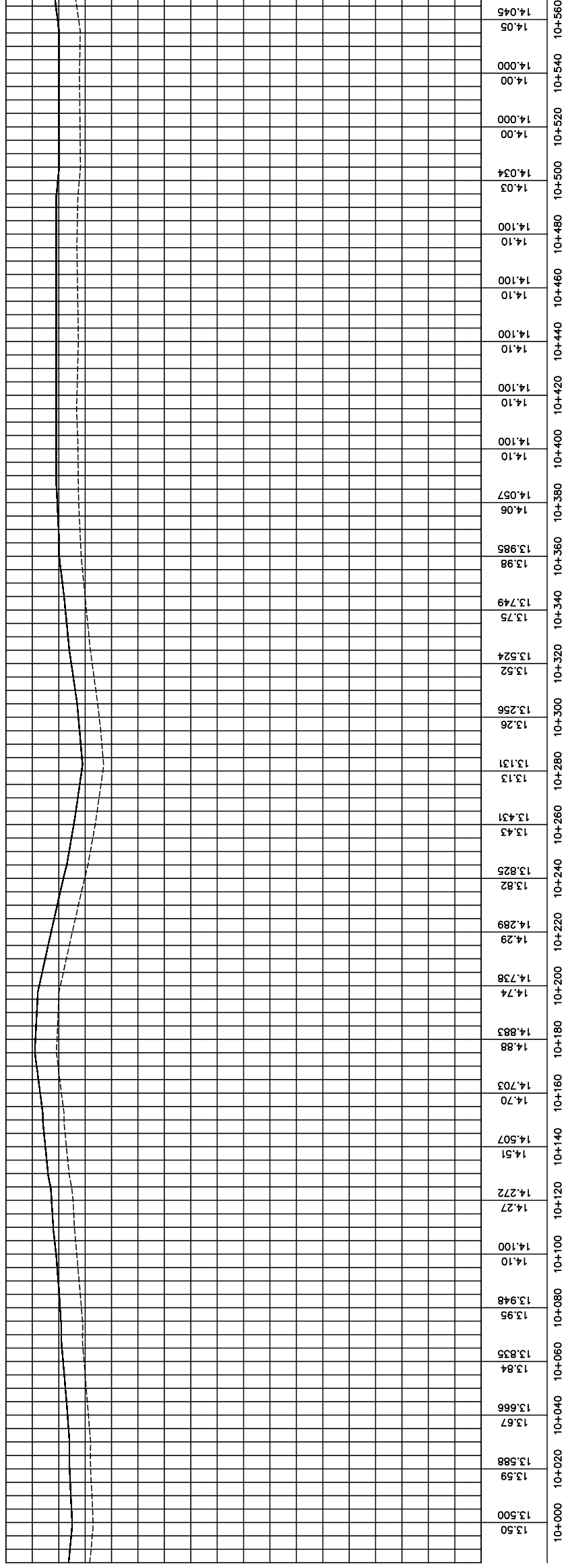
Layout & Profile

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DWGS NO Kelo Kelo

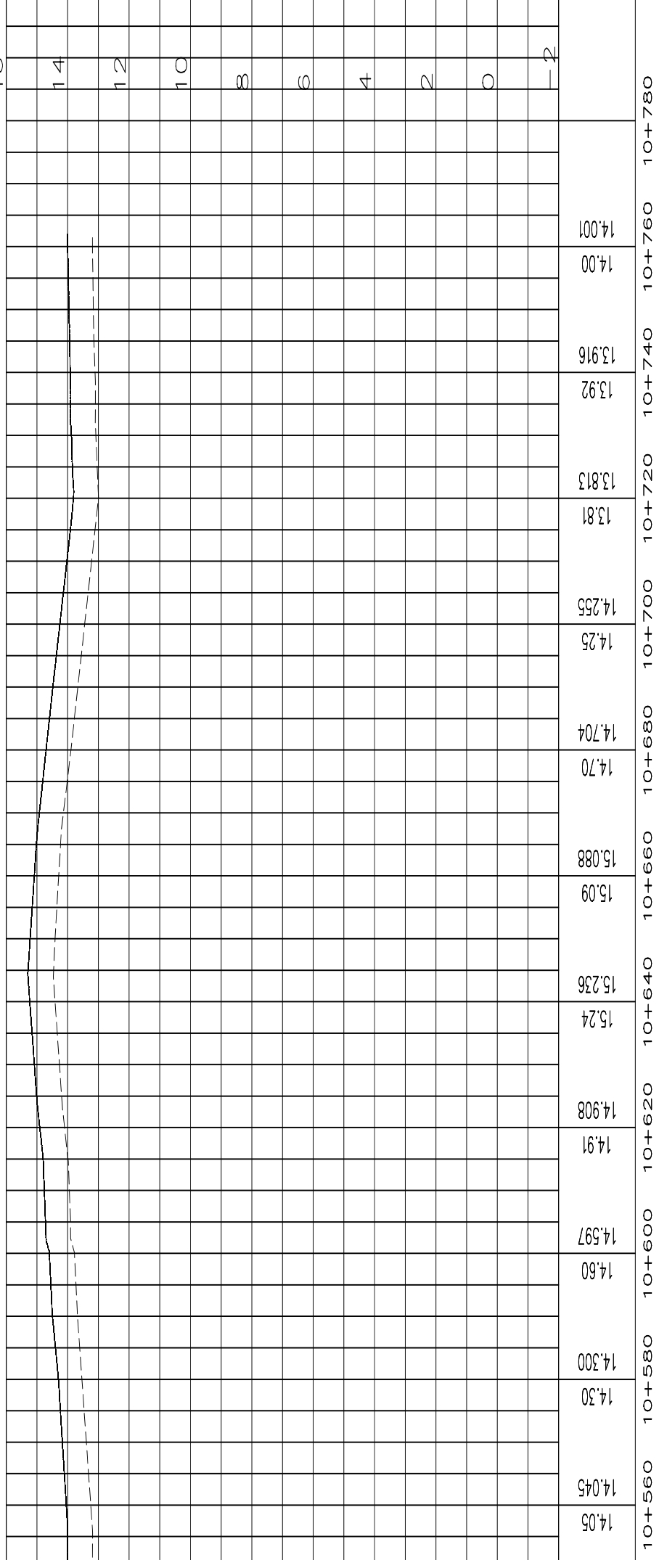
4/8

CHAINAGE: 10+000 TO 10+500



— Pipe 55mm Dia, at 0.8m min. depth.

CHAINAGE: 10+560 TO 10+780



— Pipe 55mm Dia, at 0.8m min. depth.

NOTES:

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LEGEND: -



NO	REVISIONS	DATE	APPROVED
4	REVISED		
3	REVISED		
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PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANU-RIVER COUNTY



INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF
 JAMES GICHURU, LAVINGTON,
 NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

INDIVIDUAL CONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 Nairobi, KENYA
 Telephone: +254 - 722617042 Email: ramesso@yahoo.com

Layout & Profile

NOTES

1. CONCRETE TO BE CEMENTY PORTLAND CEMENT TO B.S. 4139
2. CONCRETE AGGREGATE TO COMPLY WITH B.S. 684
3. WATER IN CONCRETE MIXES TO BE 20% MAX
4. CONCRETE FILL AND BRICKS IN CLASS 10/10
5. BRICKS TO BE FULL BODY AND TO COMPLY WITH B.S. 3703
6. BRICKS TO BE LAYED IN STRETCH COURSE TO BE 40mm
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100. BRICKS TO BE LAYED IN STRETCH COURSE TO BE 40mm

ABBREVIATIONS

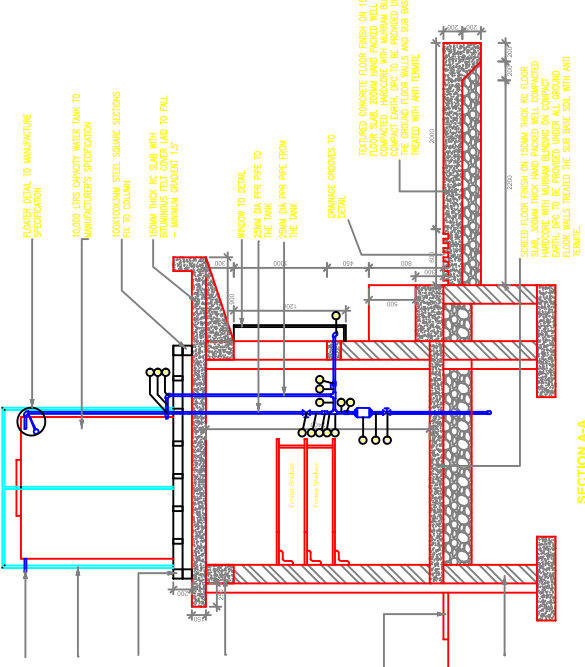
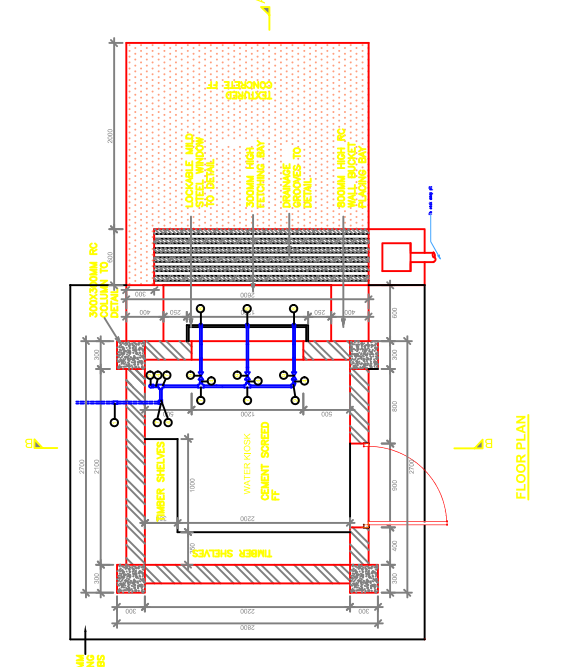
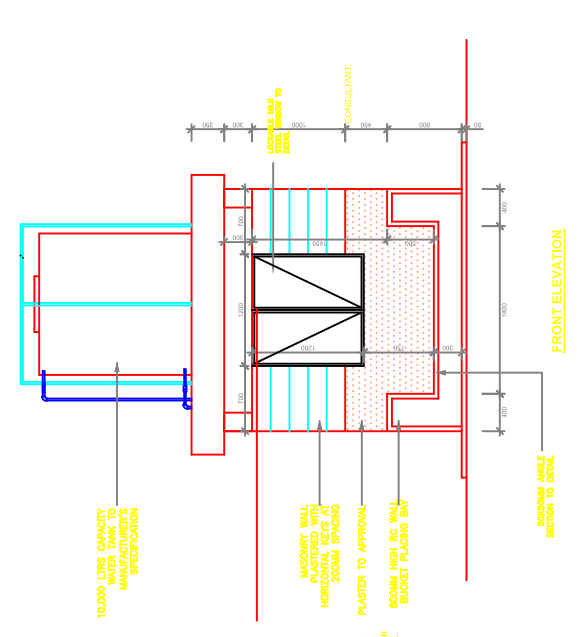
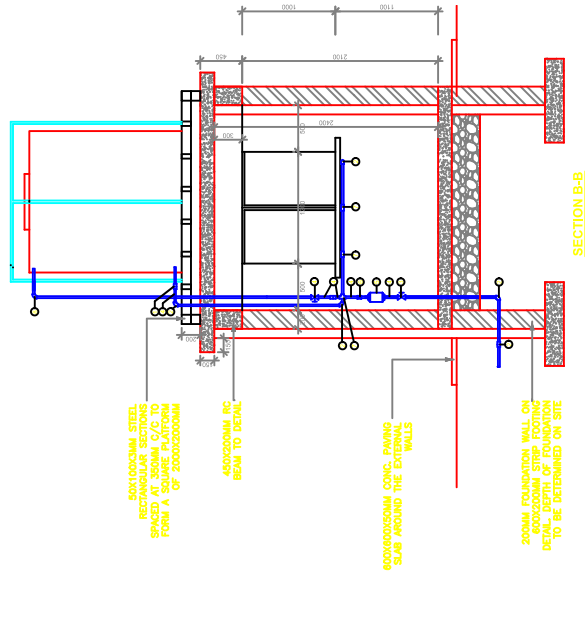
- G.C.I. = GRAVEL
- D.C.I. = GRANULATED CORRUPTED IRON
- C.M. = CEMENT
- P.C. = PORTLAND CEMENT
- M.S. = MILD STEEL
- S.S. = STAINLESS STEEL
- R.C. = REINFORCED CONCRETE
- F.F. = FINISH FLOOR
- P.F. = PRECAST CONCRETE
- C.P. = CAST-IN-PLACE CONCRETE
- C.S. = CAST-IN-PLACE CONCRETE
- C.W. = CAST-IN-PLACE CONCRETE
- D.V. = DATE VALUE

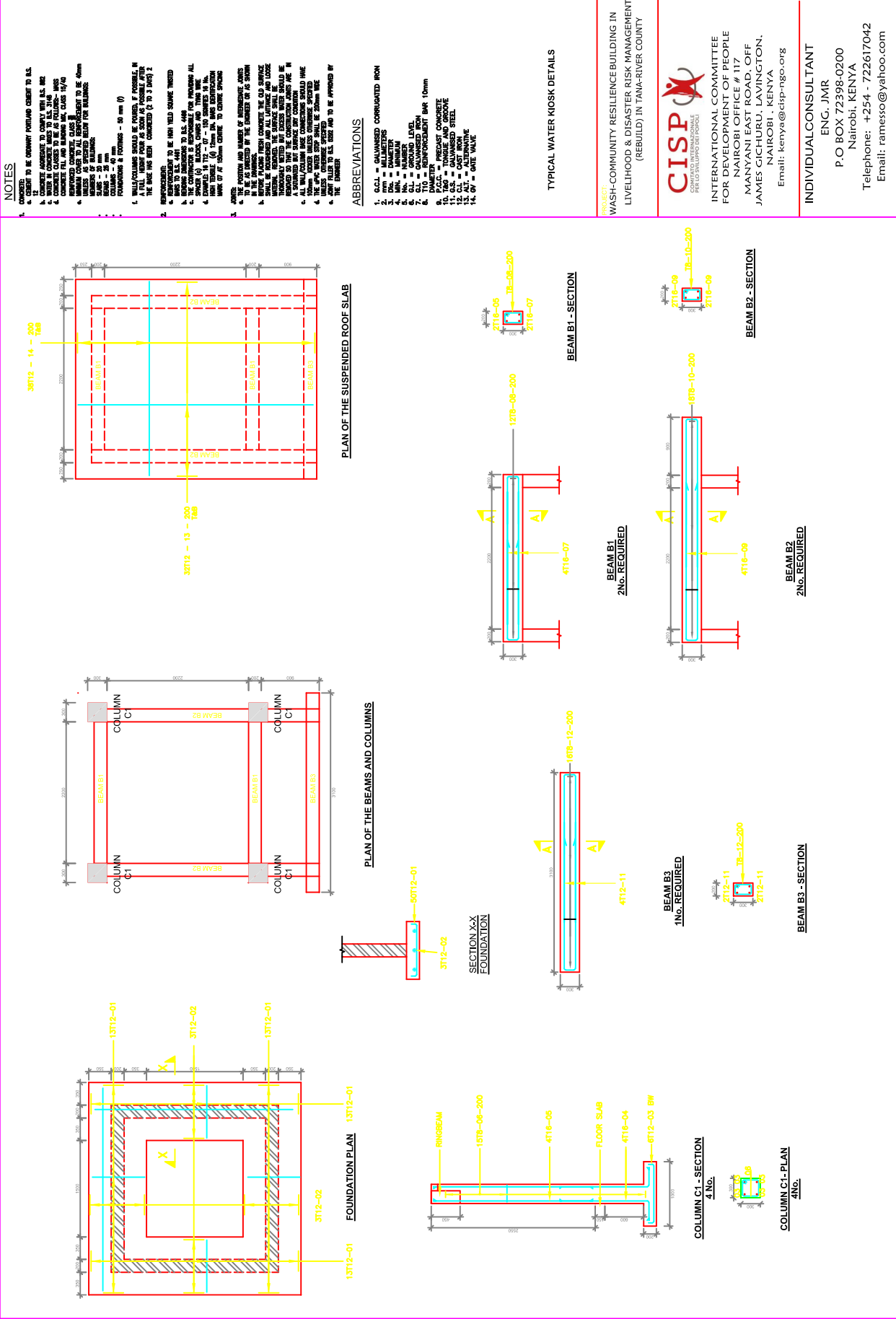
PROJECT: WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANA-RIVER COUNTY



INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF JAMES GICHURU, LAVINGTON, NAIROBI, KENYA
 Email: kerrya@cicip-rngo.org

INDIVIDUALCONSULTANT
 ENG. JMR
 P.O BOX 72398-0200
 NAIROBI, KENYA
 Telephone: +254 - 722617042
 Email: ramesso@yahoo.com





NOTES

1. CONCRETE TO BE COMPLY FORMULAE GIBBY TO S.L.
2. ALL WALLS TO BE CONCRETE TO S.L.
3. ALL WALLS TO BE CONCRETE TO S.L.
4. CONCRETE TO BE COMPLY FORMULAE GIBBY TO S.L.
5. ALL WALLS TO BE CONCRETE TO S.L.
6. ALL WALLS TO BE CONCRETE TO S.L.
7. ALL WALLS TO BE CONCRETE TO S.L.
8. ALL WALLS TO BE CONCRETE TO S.L.
9. ALL WALLS TO BE CONCRETE TO S.L.
10. ALL WALLS TO BE CONCRETE TO S.L.
11. ALL WALLS TO BE CONCRETE TO S.L.
12. ALL WALLS TO BE CONCRETE TO S.L.
13. ALL WALLS TO BE CONCRETE TO S.L.
14. ALL WALLS TO BE CONCRETE TO S.L.

ABBREVIATIONS

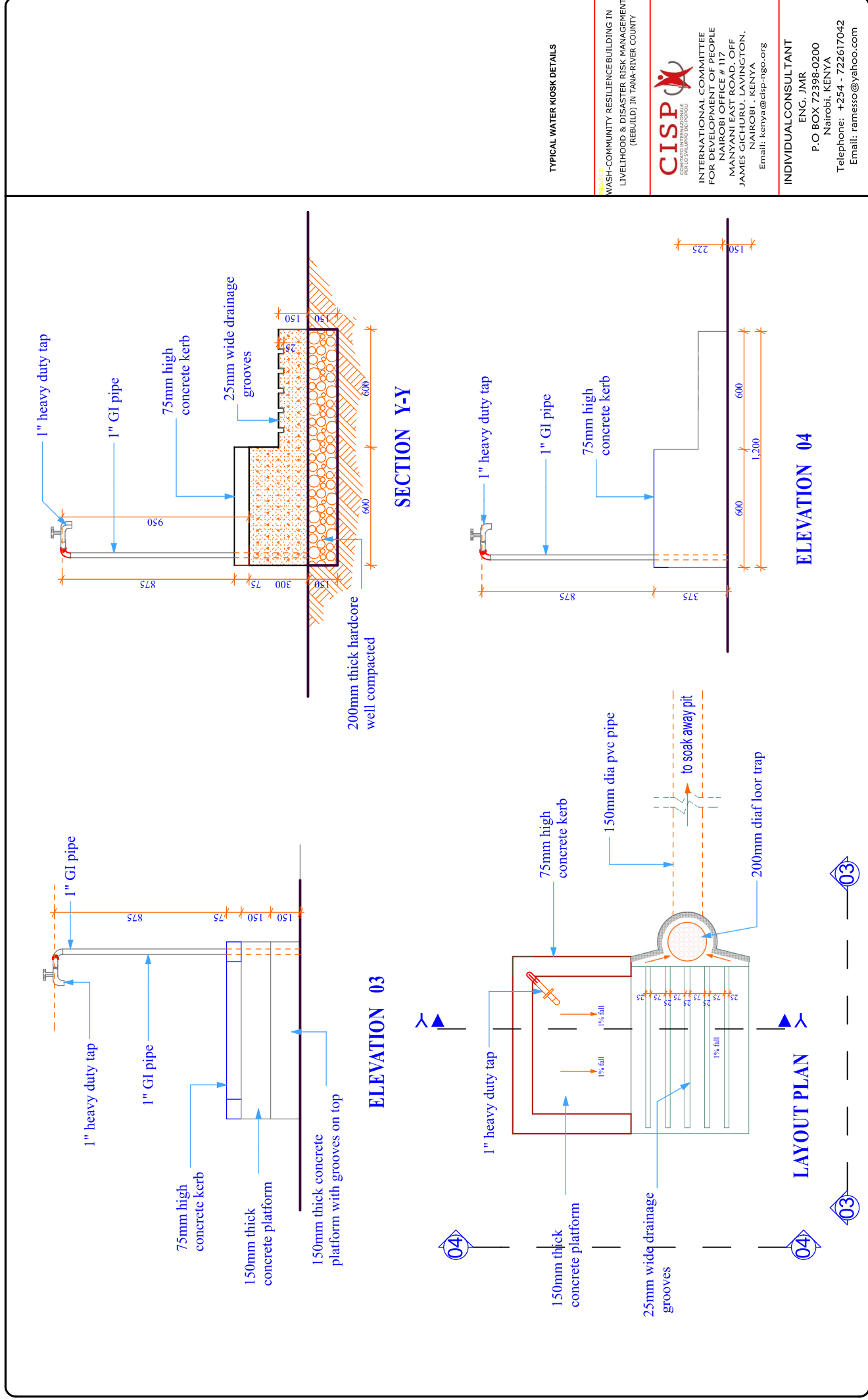
1. G.C.C. = GALVANISED CORRUGATED IRON
2. S.C.C. = SAND CONCRETE
3. S.L. = FINISHED FLOOR LEVEL
4. M.S. = MILD STEEL
5. R.C.C. = REINFORCED CONCRETE
6. R.C.C. = REINFORCED CONCRETE
7. R.C.C. = REINFORCED CONCRETE
8. R.C.C. = REINFORCED CONCRETE
9. R.C.C. = REINFORCED CONCRETE
10. R.C.C. = REINFORCED CONCRETE
11. R.C.C. = REINFORCED CONCRETE
12. R.C.C. = REINFORCED CONCRETE
13. R.C.C. = REINFORCED CONCRETE
14. R.C.C. = REINFORCED CONCRETE

TYPICAL WATER KIOSK DETAILS

PROJECT:
WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANA-RIVER COUNTY

CISP
KENYA INVESTMENT PROMOTION BOARD
INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
NAIROBI OFFICE # 117
MANYANI EAST ROAD, OFF JAMES GICHURU, LAVINGTON, NAIROBI, KENYA
Email: kenya@cisp-ngo.org

INDIVIDUAL CONSULTANT
ENG. JMR
P.O BOX 72398-0200
Nairobi, KENYA
Telephone: +254 - 722617042
Email: ramesso@yahoo.com



TYPICAL WATER KIOSK DETAILS

PROJECT:
WASH-COMMUNITY RESILIENCE BUILDING IN LIVELIHOOD & DISASTER RISK MANAGEMENT (REBUILD) IN TANA-RIVER COUNTY



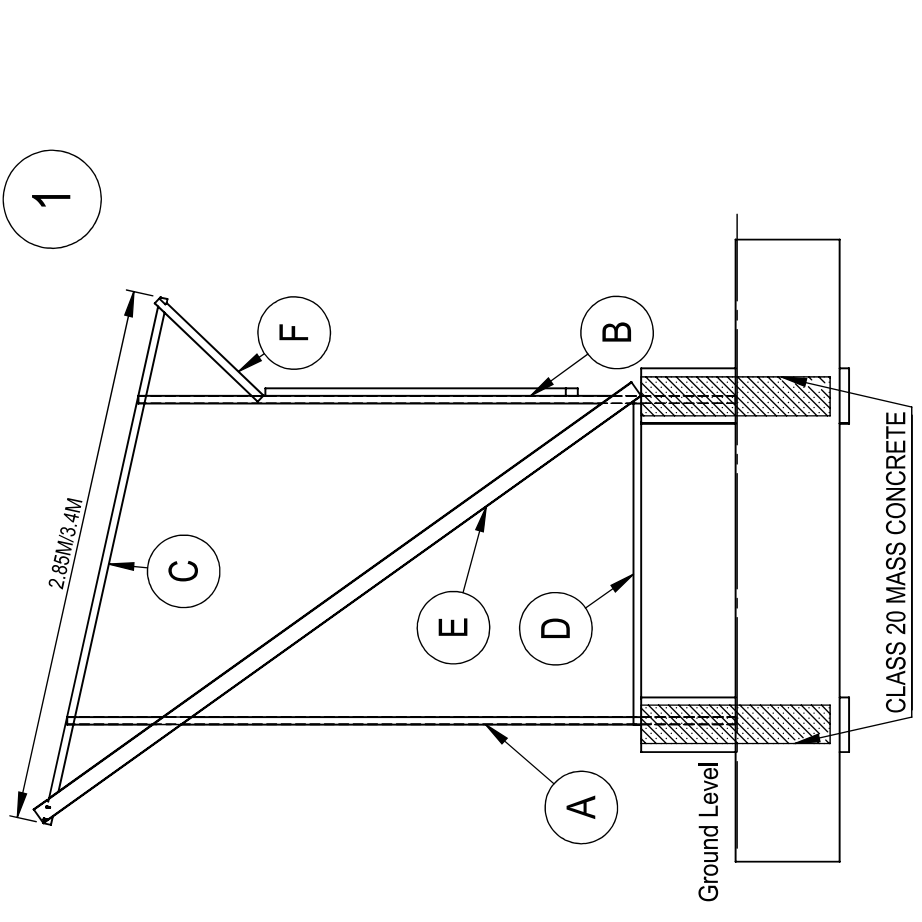
CISP
CENTRE FOR INTEGRATED SOLUTIONS FOR THE DEVELOPMENT OF PEOPLE
INTERNATIONAL COMMITTEE FOR DEVELOPMENT OF PEOPLE
NAIROBI OFFICE # 117
MANYANI EAST ROAD, OFF JAMES GICHURU, LAVINGTON, NAIROBI - KENYA
Email: kenya@cisp-ngo.org

INDIVIDUAL CONSULTANT
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P.O BOX 72398-0200
NAIROBI, KENYA
Telephone: +254 - 722617042
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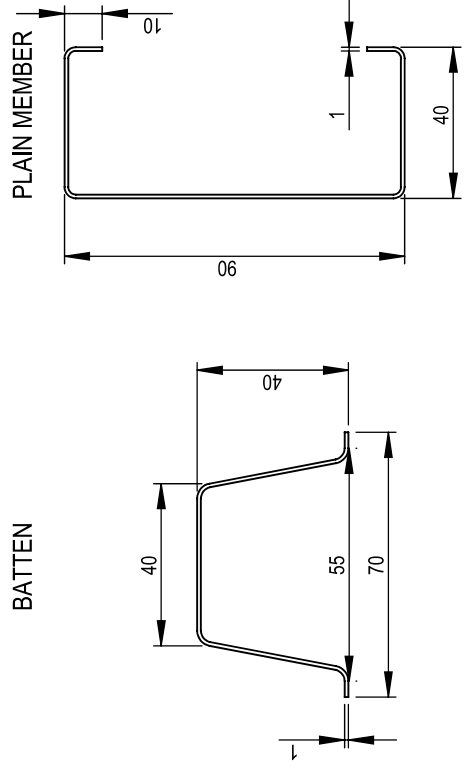
Project Title: WATER KIOSK (open)	Client:		dra title: Yard tap	designed by	Checked By:	Consultant:	Scale:
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**SOLAR PANEL STEEL STRUCTURE MOUNTED 3M FROM THE
GROUND**

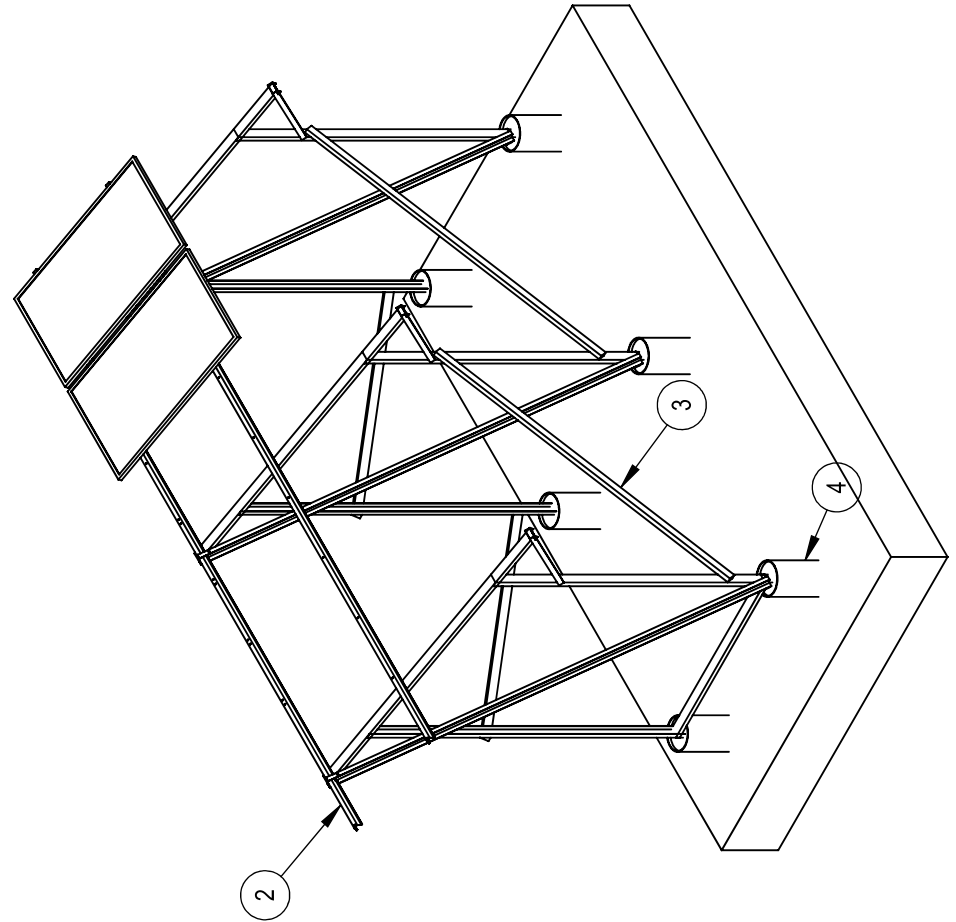
200W - 24VDC



ITEM	SPECIFICATION	SECTION
1	SECTION SIDE PROFILE	
	A LEG A	PLAIN MEMBER
	B LEG B	PLAIN MEMBER
	C MAIN BEARER	PLAIN MEMBER
	D BOTTOM STRUT	PLAIN MEMBER
	E BRACING	PLAIN MEMBER
2	BATTENS	BATTEN
3	DIAGONAL BRACING	BATTEN
4	PVC FOOTING SLEEVES	200MM PVC CLASS B



STRUCTURAL STEEL WORK
 LIGHT GAUGE GALVANISED STEEL GRADE S550
 STANDARD 89S41



NOTES:

1. All dimensions in mm.

REVISION:

Rev	Description	By	Date

PROJECT:

WASH-COMMUNITY RESILIENCE BUILDING IN
 LIVELIHOOD & DISASTER RISK MANAGEMENT
 (REBUILD) IN TANA-RIVER COUNTY

TITLE:

DIMENSION AND LAYOUT
 STEEL STRUCTURE
 DETAILS

PART NO:

SCALE: 1:100

DRWG NO:

CLIENT:



INTERNATIONAL COMMITTEE
 FOR DEVELOPMENT OF PEOPLE
 NAIROBI OFFICE # 117
 MANYANI EAST ROAD, OFF
 JAMES GICHURU, LAVINGTON,
 NAIROBI, KENYA
 Email: kenya@cisp-ngo.org

NOTES:

1. All dimensions in mm.

REVISION:

Rev	Description	By	Date

TITLE:

DIMENSION AND LAYOUT
DETAILS

PART NO:

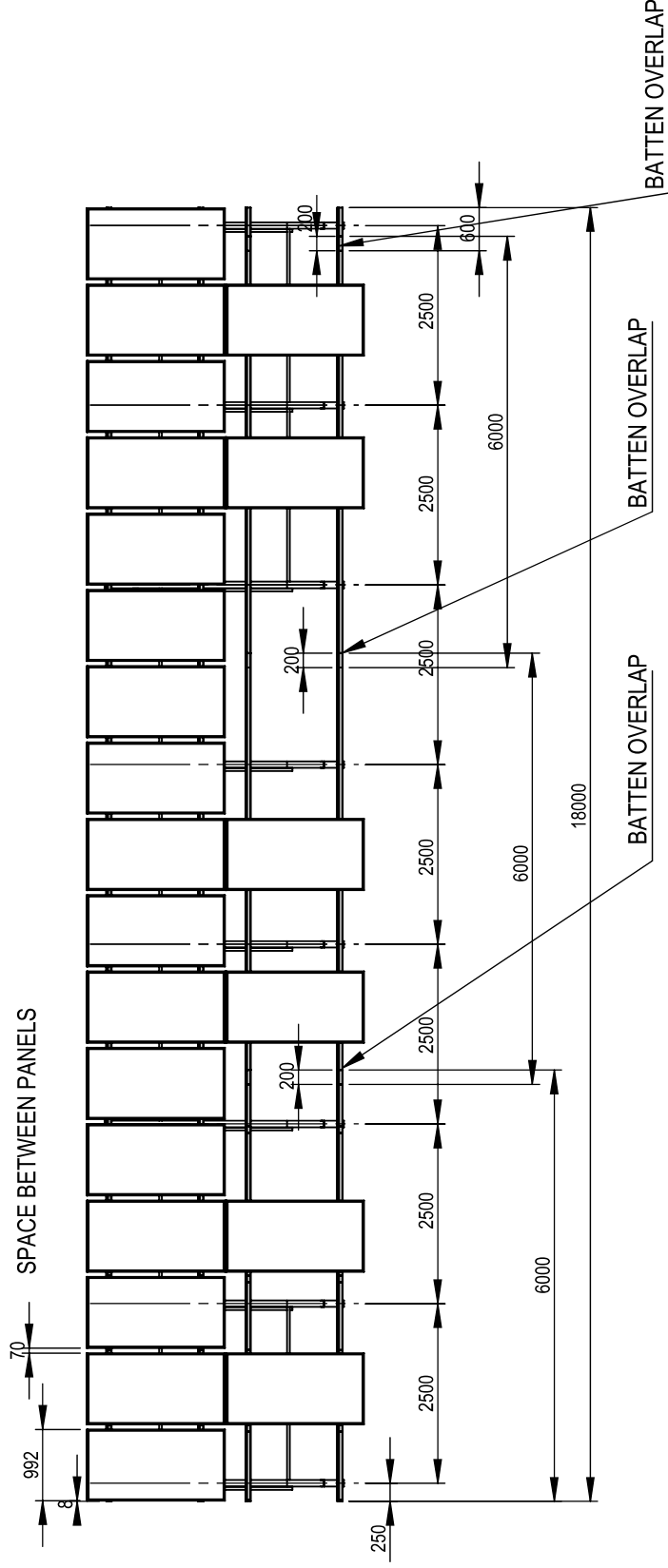
SCALE: 1:40

DRWG NO:

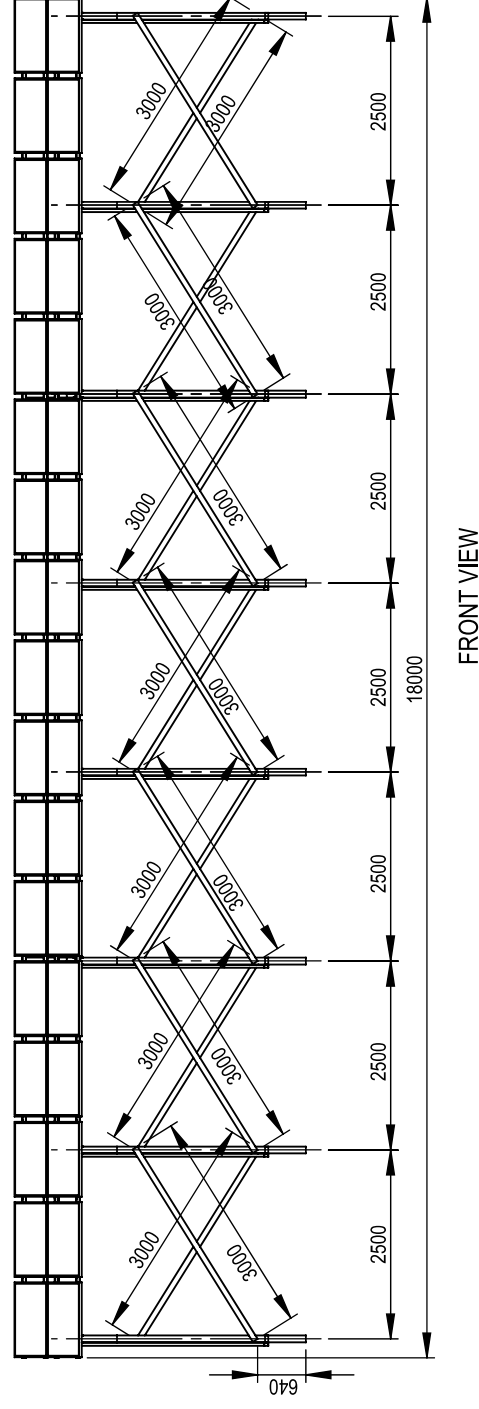
CLIENT:



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PLAN VIEW

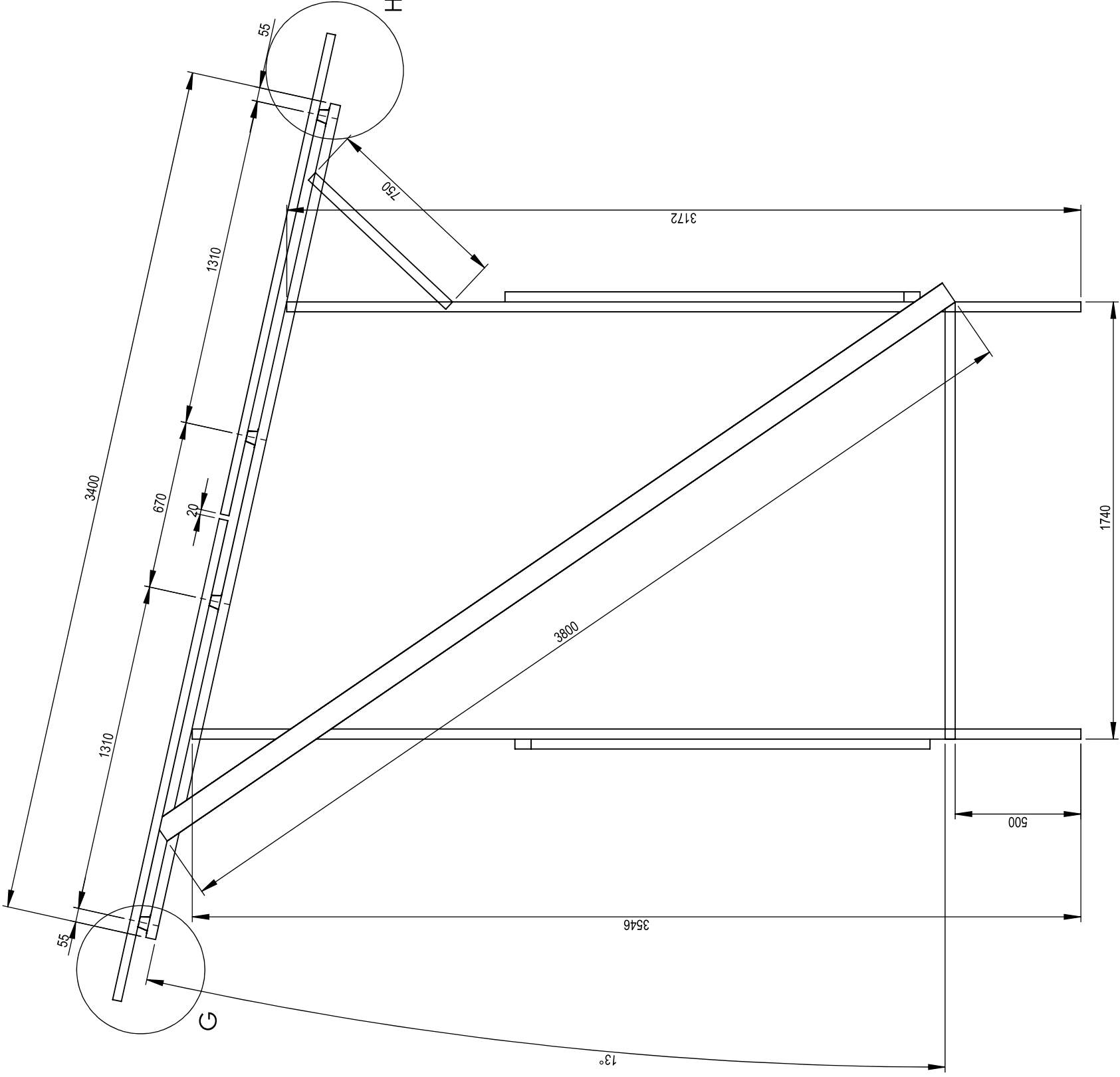
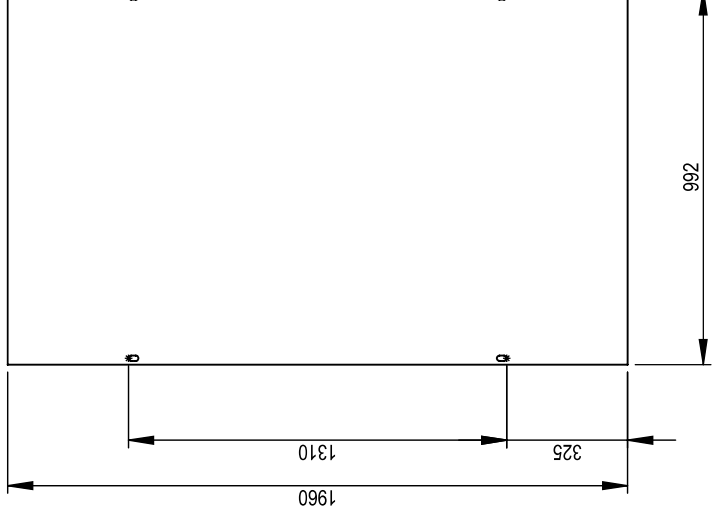


FRONT VIEW

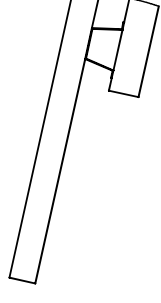
NOTES:

1. All dimensions in mm.

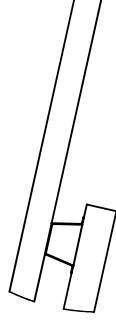
DETAIL C: YSM 300



SIDE VIEW



DETAIL G
SCALE 1 : 10



DETAIL H
SCALE 1 : 10

REVISION:

Rev	Description	By	Date

PROJECT:

TITLE:

DIMENSION AND LAYOUT
DETAILS

PART NO:

SCALE: 1:40

DRWG NO:

CLIENT:



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