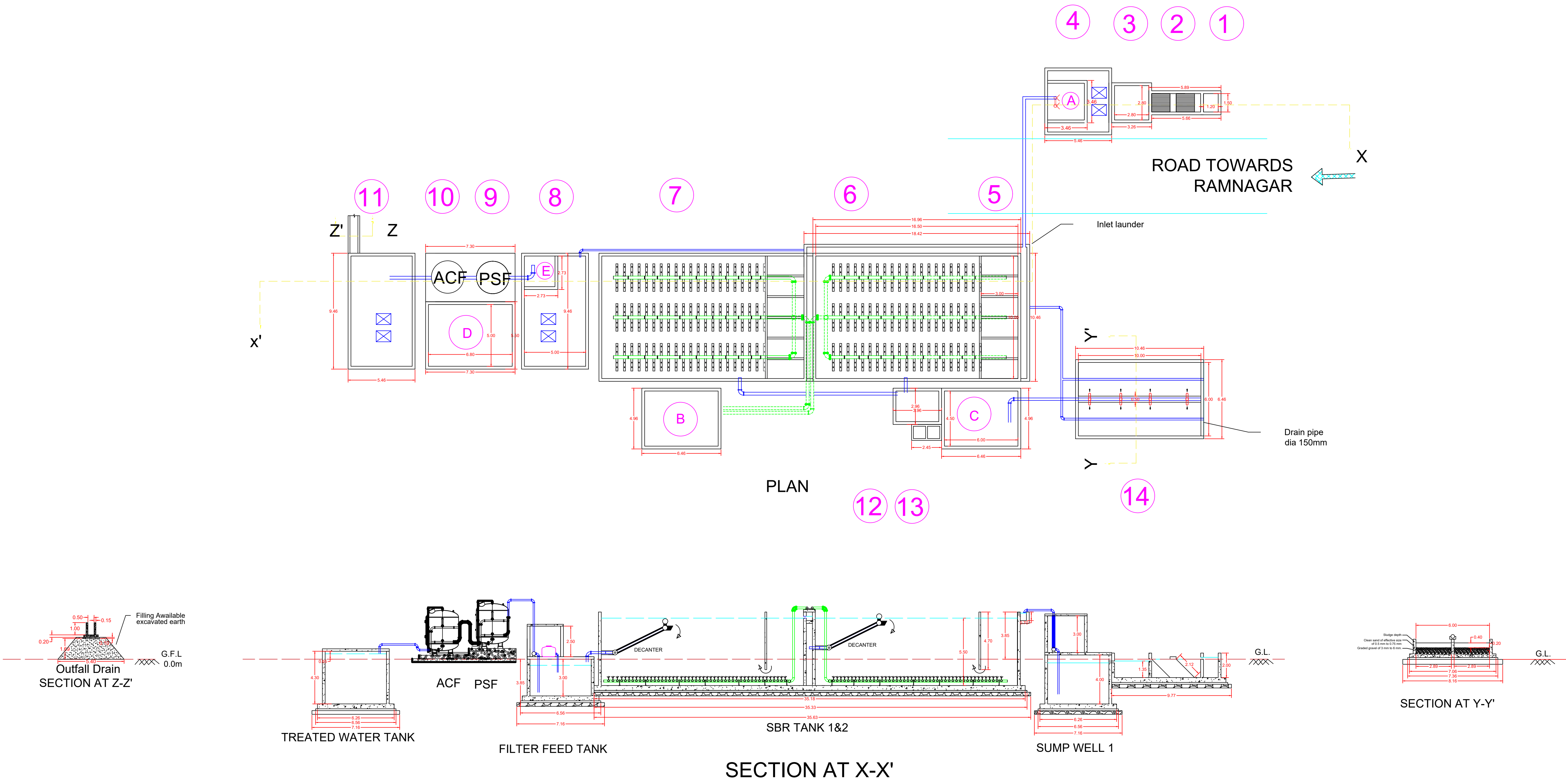


ROOM DETAILS					UNIT DETAILS:					
S.N	UNIT	MOC	DIMENSIONS	QTY.	S.N	UNIT	MOC	CAPACITY	DIMENSIONS	QTY.
A	RAW SEWAGE PUMP HOUSE	RCC+BRICK	(3m X 3m X 3m)	01	01	INLET CHAMBER	RCC	3.6 M3	(1.20m X 1.50m X 2.0m)	01
B	SBR AIR BLOWER ROOM	RCC+BRICK	(4.5m X 6m X 4m)	01	02	SCREEN CHAMBER	RCC	12 M3	(4.00m X 1.5m X 2.0m)	01
C	CENTRIFUGE HOUSE	RCC+BRICK	(6.0m X 4.5m X 4m)	01	03	GRIT CHAMBER	RCC	15.68M3	(2.80m X 2.80mX 2.00m)	01
D	DG & CONTROL ROOM	RCC+BRICK	(6.8m X 5m X 4.5m)	01	04	SUMP WELL	RCC	100 M3	(5.0m X 5.0m X 4.0m)	01
E	FILTER FEED PUMP ROOM	RCC+BRICK	(2.5m X 2.5m X 3m)	01	05	SELECTOR ZONE	RCC	----	(10.0m X 3.0m X 5.50m)	02
					06	SBR TANK 1	RCC	907.5 M3	(16.5m X 10.0m X 5.50m)	01
					07	SBR TANK 2	RCC	907.5M3	(16.5m X 10.0m X 5.50m)	01
					08	DOSING CUM FILTER FEED TANK	RCC	135 M3	(9.0m X 5.0m X 3.00m)	01
					09	PRESSURIZED SAND FILTER (PSF)	MS	14.52M3	Ø 2.9 M,HT 2.2M	01
					10	ACTIVATED CARBON FILTER (ACF)	MS	14.52 M3	Ø 2.9 M,HT 2.2M	01
					11	TREATED WATER TANK	RCC	193.5 M3	(9.0m X 5.0m X 4.3m)	01
					12	SLUDGE HOLDING TANK	RCC	24.5 M3	(3.5m X 2.5m X 2.8m)	01
					13	DWPE DOSING TANK	RCC	2 M3	(1.0m X 1.0m X 1.0m)	02
					14	SLUDGE DRYING BED	RCC	27 M3	(10.0m X 3.0m X 0.9m)	02

NOTES:- 1) ALL DIMENSIONS ARE IN METRE 2) DIMENSIONS ARE NOT TO BE SCALED FROM DRAWING. 3)THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY COMPETENT AUTHORITY 4) LEVELS CONSIDERING GROUND AS 0.0 5) ASSUMPTIONS FOR BILL OF QUANTITIES RAFT OFFSET: 0.3M, 0.4M & RAFT DEPTH : 0.4 M, 0.3M PCC OFFSET : 0.15 M PCC DEPTH : 0.15 M SOLING OFFSET : 0.3 M SOLING DEPTH : 0.30 M DIMENSIONS MENTIONED BELOW UNITS ARE CAPACITIES ONLY 6) RCC M30 REINFORCED WITH Fe 500
PROJECT FOR- NARKATIAGANJ, BIHAR, BUIDCO
PROJECT BY- CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE
SCALE - 1:1
BEST PRINT VIEW IN A3 TO A0 SIZE PAPER



DRG No.- D1	
Revision No.- R0	DATE-03/ 8/2022
DWG.TITLE-	
PLAN AND LAYOUT 2.5 MLD STP	
PLACEMENT OF STP AT HARBORA RIVER NARKATIAGANJ	
SBR TECHNOLOGY	
Prepared By - CSIR- NEERI	
Reviewed By-	
Approved By-	

ROOM DETAILS					UNIT DETAILS:					
S.N	UNIT	MOC	DIMENSIONS	QTY.	S.N	UNIT	MOC	CAPACITY	DIMENSIONS	QTY.
A	RAW SEWAGE PUMP HOUSE	RCC+BRICK	(3m X 3m X 3m)	01	01	INLET CHAMBER	RCC	5.625 M3	(2.50m X 1.5m X 1.5m)	02
B	SBR AIR BLOWER ROOM	RCC+BRICK	(5m X 6m X 4m)	01	02	SCREEN CHAMBER	RCC	18 M3	(4.80m X 2.5m X 1.5m)	02
C	CENTRIFUGE FEED PUMP HOUSE	RCC+BRICK	(4m X 6mX 4m)	01	03	GRIT CHAMBER	RCC	18.375M3	(3.50m X 3.50mX 1.50m)	02
D	CENTRIFUGE HOUSE	RCC+BRICK	(6.5m X 6m X 4m)	01	4A	SUMP WELL 1	RCC	300 M3	(10.0m X 10.0m X 3.0m)	01
E	DG & CONTROL ROOM	RCC+BRICK	(7.3m X 6m X 4.5m)	01	4B	SUMP WELL 2	RCC	75 M3	(5.0m X 5.0m X 3.0m)	01
F	FILTER FEED PUMP ROOM	RCC+BRICK	(2.5m X 2.5m X 3m)	01	05	SELECTOR ZONE	RCC	----	(12.0m X 4.0m X 5.50m)	02
					06	SBR TANK 1	RCC	1650 M3	(25.0m X 12.0m X 5.50m)	01
					07	SBR TANK 2	RCC	1650 M3	(25.0m X 12.0m X 5.50m)	01
					08	DOSING CUM FILTER FEED TANK	RCC	350.07 M3	(12.73m X 5.0m X 5.50m)	01
					09	PSF	MS	----	Ø 2.65 M,HT 2.00M	02
					10	ACF	MS	----	Ø 2.65 M,HT 2.00M	02
					11	TREATED WATER TANK	RCC	300 M3	(12.5m X 6.0m X 4.0m)	01
					12	SLUDGE HOLDING TANK	RCC	36.75 M3	(3.5m X 3.5m X 3.0m)	01
					13	DWPE DOSING TANK	RCC	2.0M3	(1.0m X 1.0m X 1.0m)	02
					14	SLUDGE DRYING BED	RCC	88.43 M3	(17.0m X 2.89m X 0.9m)	02

NOTES:-
1) ALL DIMENSIONS ARE IN METRE
2) DIMENSIONS ARE NOT TO BE SCALED FROM DRAWING.
3)THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY COMPETENT AUTHORITY
4) LEVELS CONSIDERING GROUND AS 0.0
5) ASSUMPTIONS FOR BILL OF QUANTITIES
RAFT OFFSET: 0.3M, 0.4M & RAFT DEPTH : 0.4 M, 0.3M
PCC OFFSET : 0.15 M PCC DEPTH : 0.15 M
SOLING OFFSET : 0.3 M SOLING DEPTH : 0.30 M
DIMENSIONS MENTIONED BELOW UNITS ARE CAPACITIES ONLY
6) RCC M30 REINFORCED WITH Fe 500
PROJECT FOR- NARKATIAGANJ, BIHAR, BUIDCO
CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE

PROJ. SCALE:- 1:1
BEST PRINT VIEW IN A3 TO A1 SIZE PAPER

DRG No.- D2

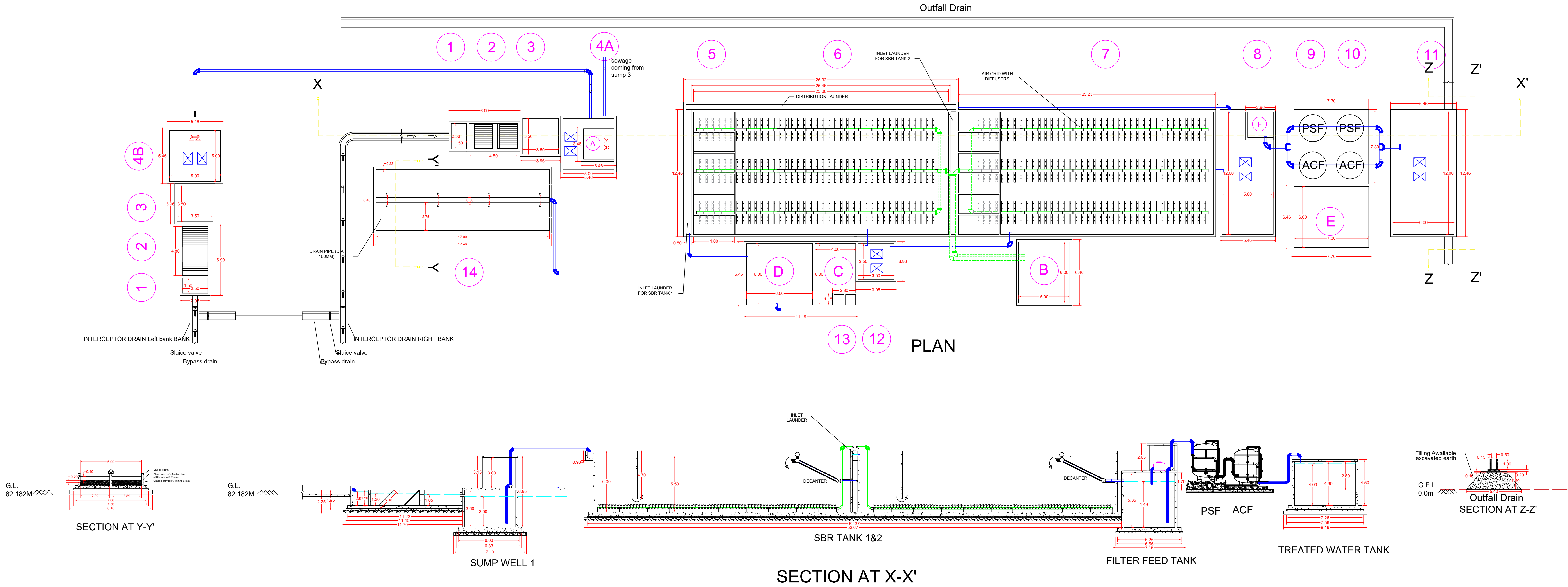
Revision No.- R0	DATE-03/08/2022
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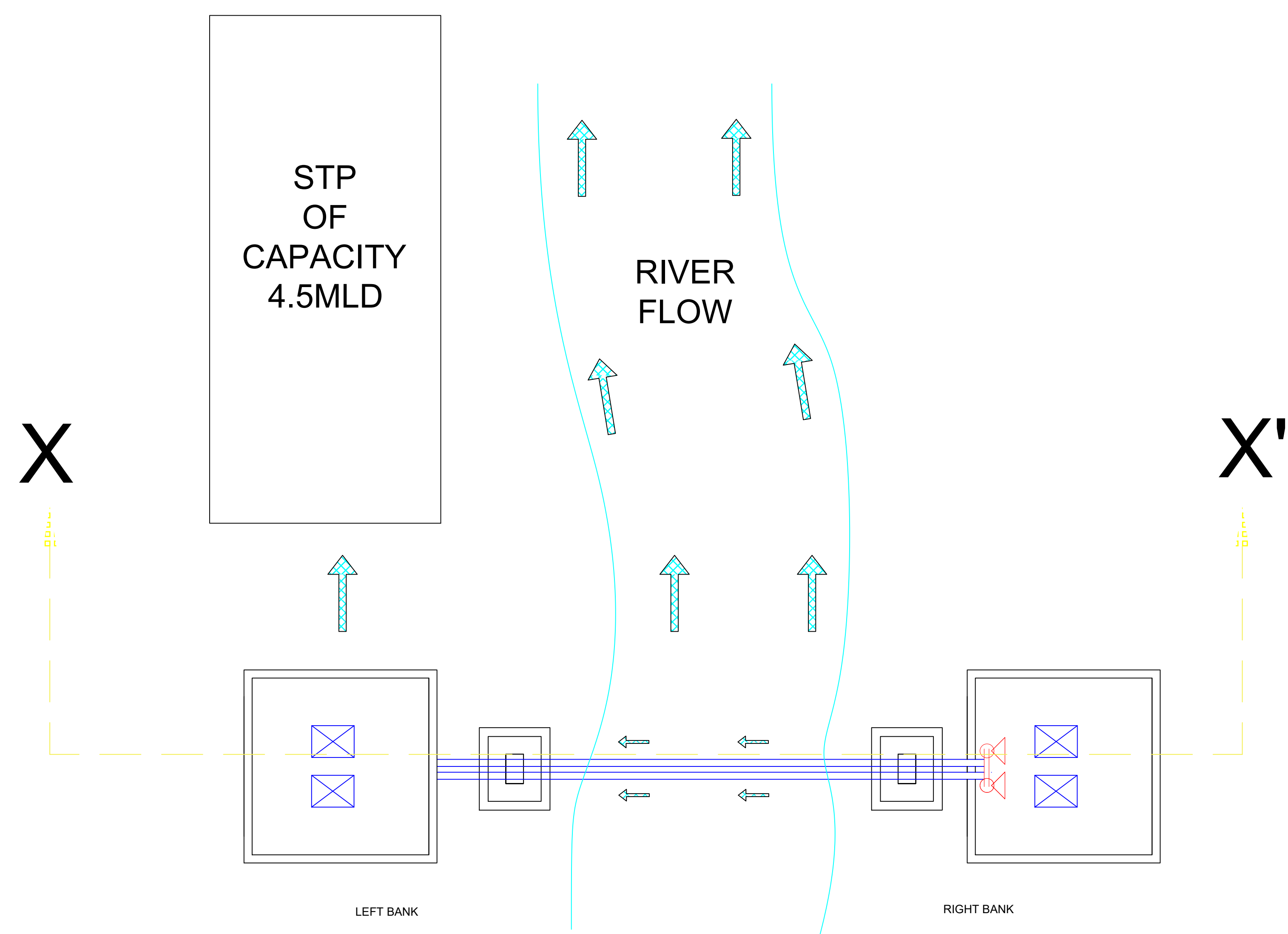
DWG.TITLE-
PLAN AND LAYOUT 4.5 MLD STP

PLACEMENT OF STP IS AT
BELWA-SATHI CANAL

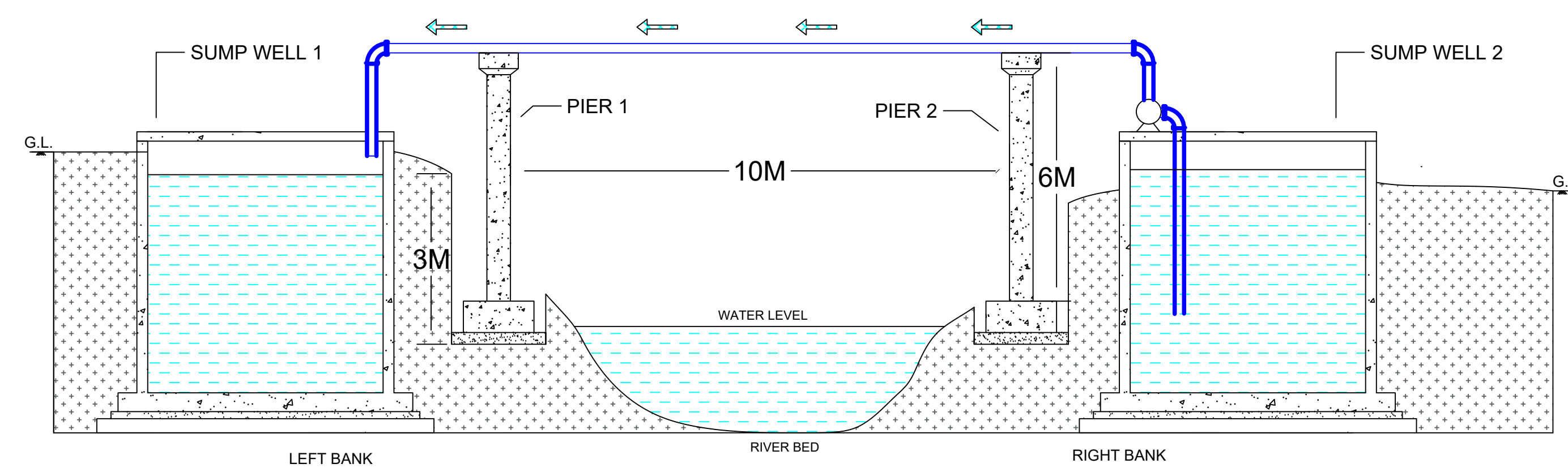
SBR TECHNOLOGY

Prepared By - CSIR- NEERI
Reviewed By-
Approved By-

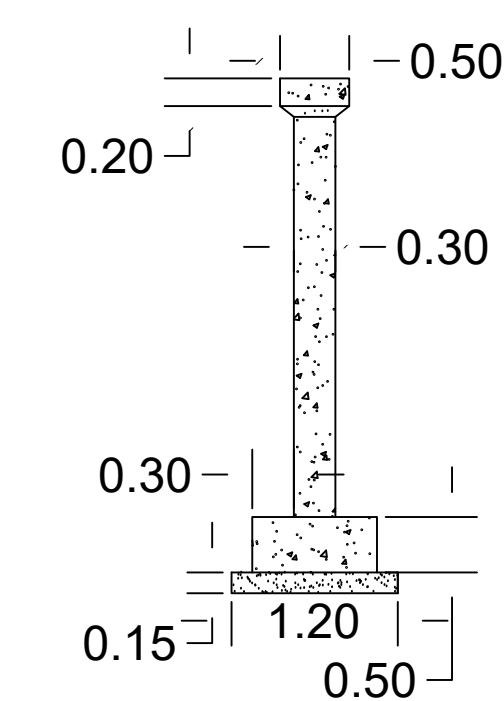




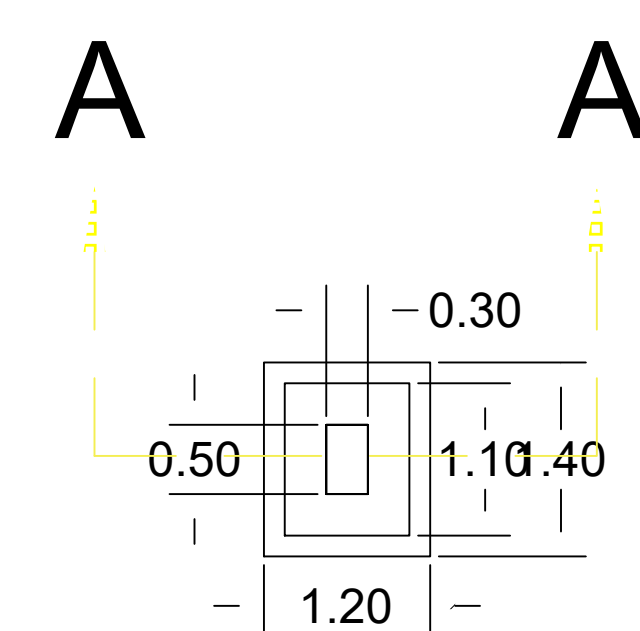
LOCATION PLAN



SECTION AT X-X'



SECTION AT A-A'



TYPICAL PLAN OF PIER

NOTES:-

- 1) ALL DIMENSIONS ARE IN METRE
- 2) DIMENSIONS ARE NOT TO BE SCALED FROM DRAWING.
- 3) THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY COMPETENT AUTHORITY

PROJECT FOR- BUIDCO

PROJECT BY-

CSIR - NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE

SCALE - 1:1

BEST PRINT VIEW IN A3 TO A1 SIZE PAPER

DRG No.- D3

Revision No.- R0

DATE-03/08/2022

DWG.TITLE-

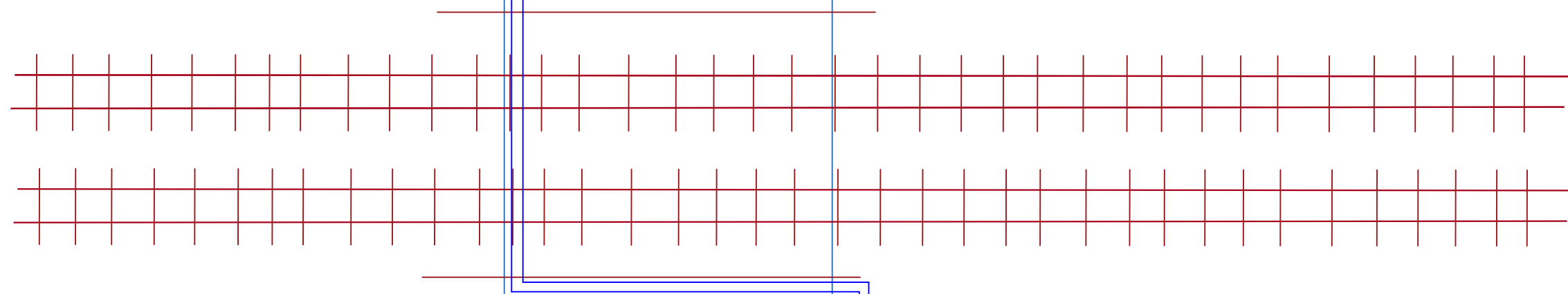
LAYING OF PIPES ACROSS
BELWASATHI CANAL

Prepared By - CSIR-NEERI, NAGPUR

Reviewed By-

Approved By-

STP AT
BELWASATHI
CANAL



X

Y

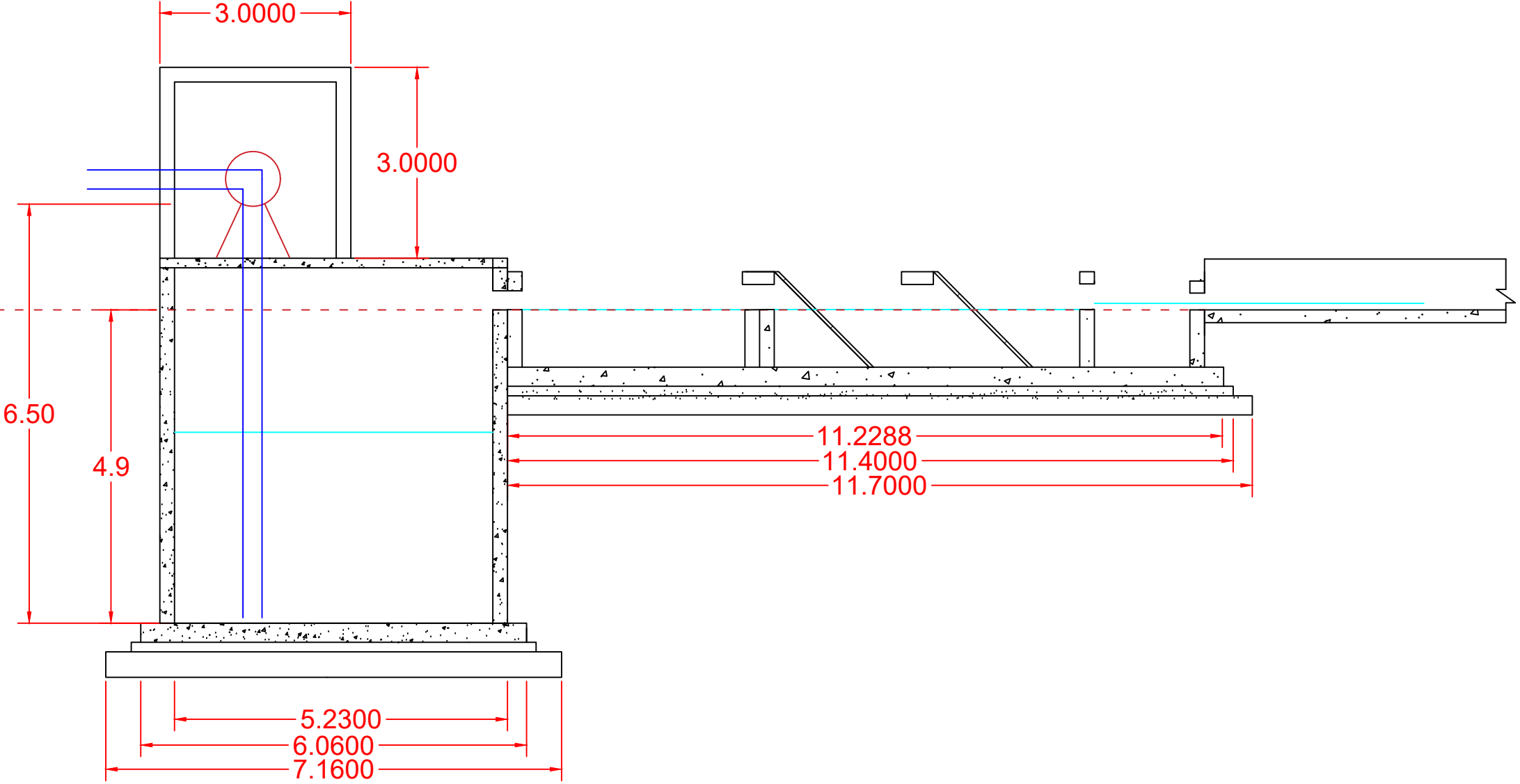
Y

X

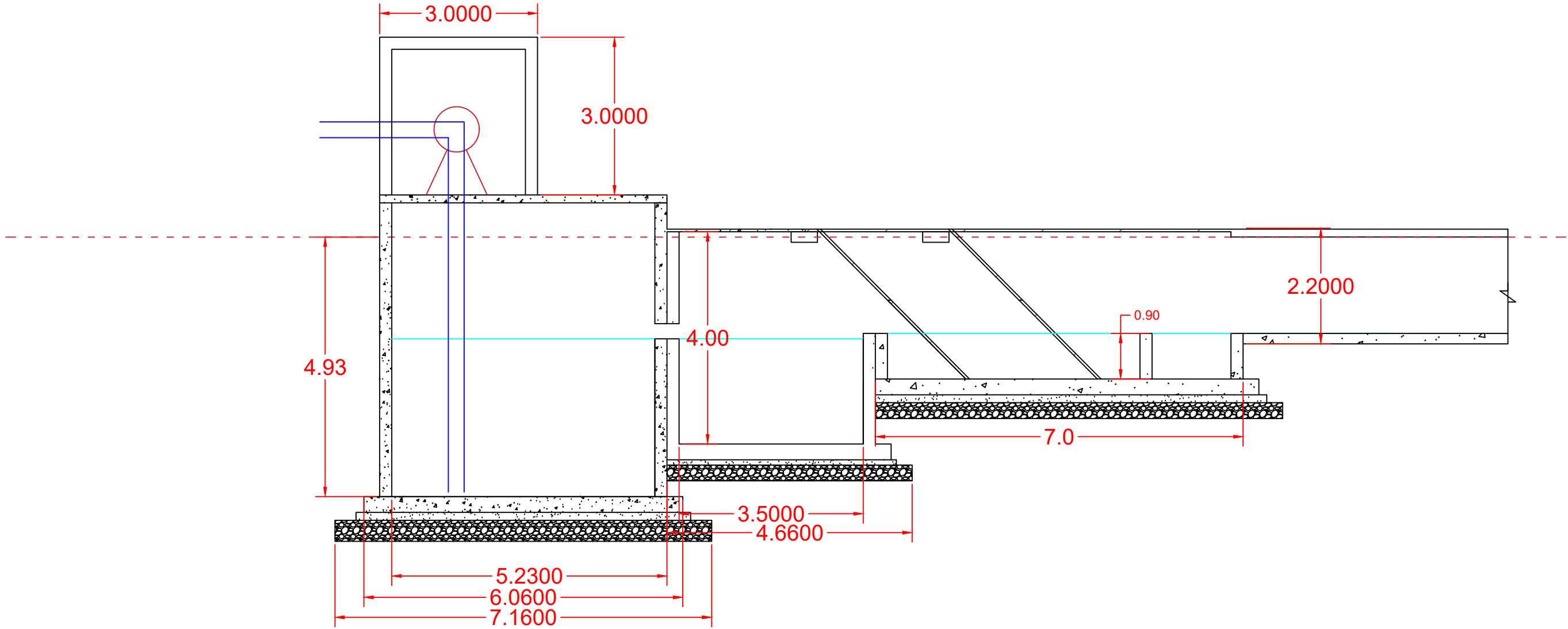
DRAIN FROM RAILWAY
COLONY NARKTIAGANJ

Sluice gate
Bypass Drain
INTERCEPTOR DRAIN
LEFT BANK BELWA-SATHI CANAL
AFTER RAILWAY TRACK

PLAN



SECTION XX'



SECTION YY'

- NOTES:-
- 1) ALL DIMENSIONS ARE IN METRE
 - 2) DIMENSIONS ARE NOT TO BE SCALED FROM DRAWING.
 - 3) THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY COMPETENT AUTHORITY

PROJECT FOR- BUIDCO

PROJECT BY-
CSIR - NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE

SCALE - 1:1

BEST PRINT VIEW IN A3 TO A1 SIZE PAPER

DRG No.- D4

Revision No.- R0

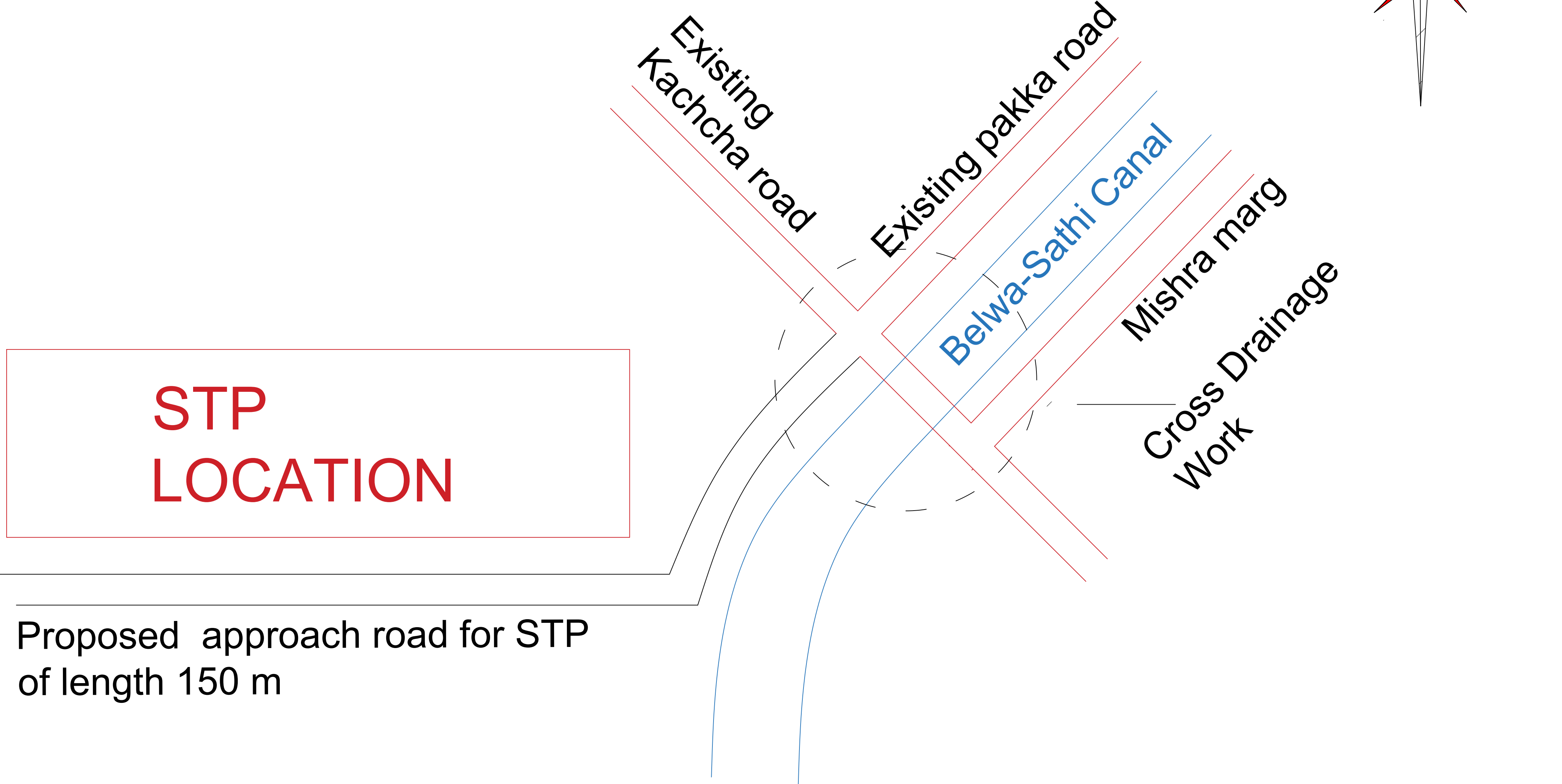
DATE-03/08/2022

DWG.TITLE-
PLAN AND CROSS SECTION
OF SUMP WELL 3

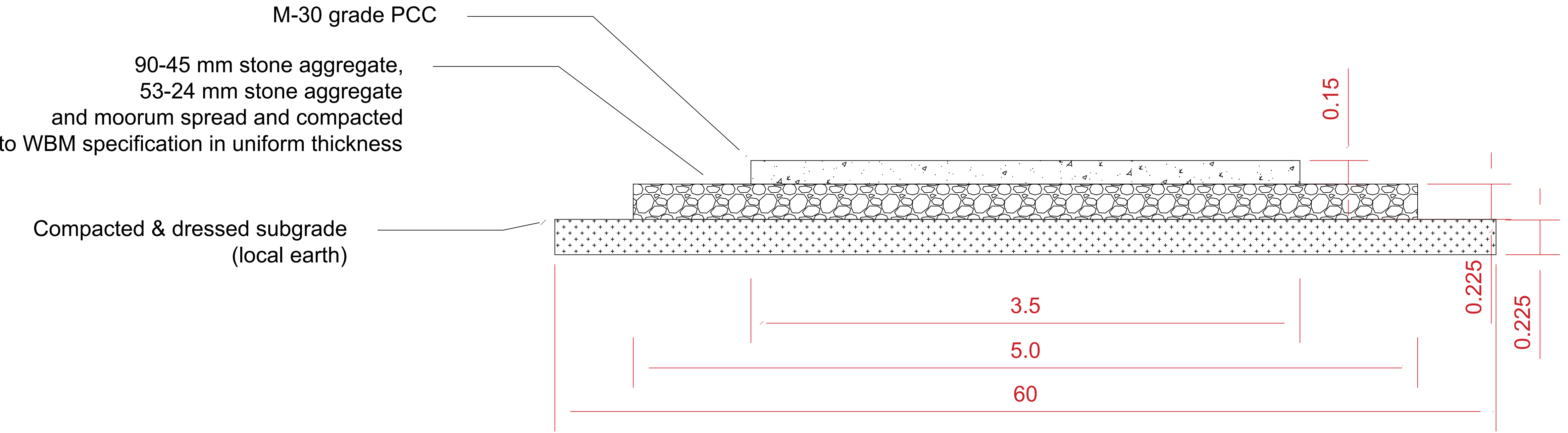
Prepared By - CSIR-NEERI, NAGPUR

Reviewed By-

Approved By-



PLAN



SECTION XX'

- NOTES:-
- 1) ALL DIMENSIONS ARE IN METRE
 - 2) DIMENSIONS ARE NOT TO BE SCALED FROM DRAWING.
 - 3)THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY COMPETENT AUTHORITY
 - 4) LEVELS CONSIDERING GROUND AS 0.0
 - 5) PCC M30

PROJECT FOR- NARKATIAGANJ, BIHAR, BUIDCO

PROJECT BY-
CSIR - NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE

SCALE - 1:1

BEST PRINT VIEW IN A3 TO A1 SIZE PAPER

DRG No.- D5

Revision No.- R0 DATE-03.08.2022

DWG.TITLE-

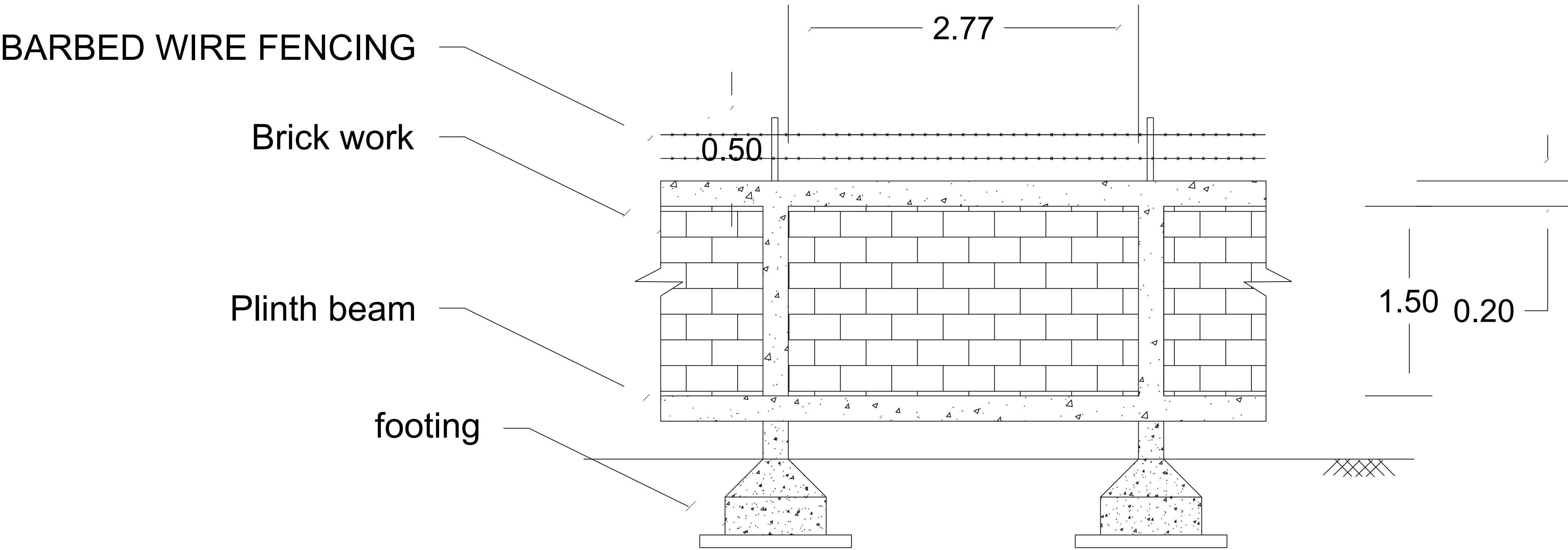
PLAN AND SECTION VIEW OF
APPROACH ROAD FOR STP
BELWASATHI CANAL
NARKATIAGANJ

PCC ROAD

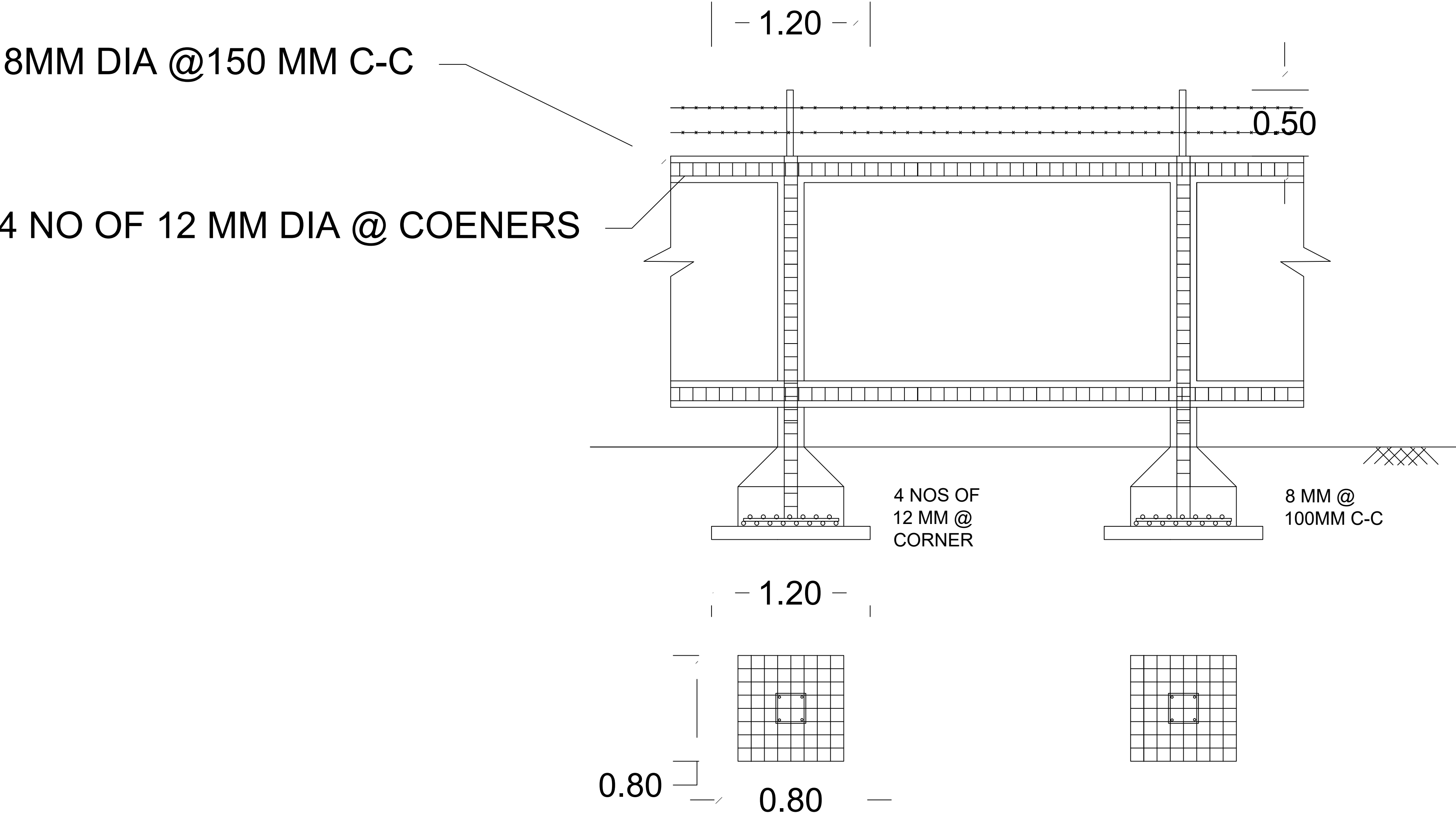
Prepared By - CSIR- NEERI

Reviewed By-

Approved By-



Elevation profile of boundry wall



Section profile with reinforcement of boundary wall

- NOTES:-
- 1) ALL DIMENSIONS ARE IN METRE
 - 2) DIMENSIONS ARE NOT TO BE SCALED FROM DRAWING.
 - 3)THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY COMPETENT AUTHORITY
 - 4) LEVELS CONSIDERING GROUND AS 0.0
 - 5) ASSUMPTIONS FOR BILL OF QUANTITIES WEIGHT OF STEEL IS USED AS 100 KG
 - 6) RCC M30 REINFORCED WITH Fe 500

PROJECT FOR- BUIDCO

PROJECT BY-
CSIR - NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE

SCALE - 1:1

BEST PRINT VIEW IN A3 TO A1 SIZE PAPER

DRG No.- D 6

Revision No.- R0 DATE- 03/08/2022

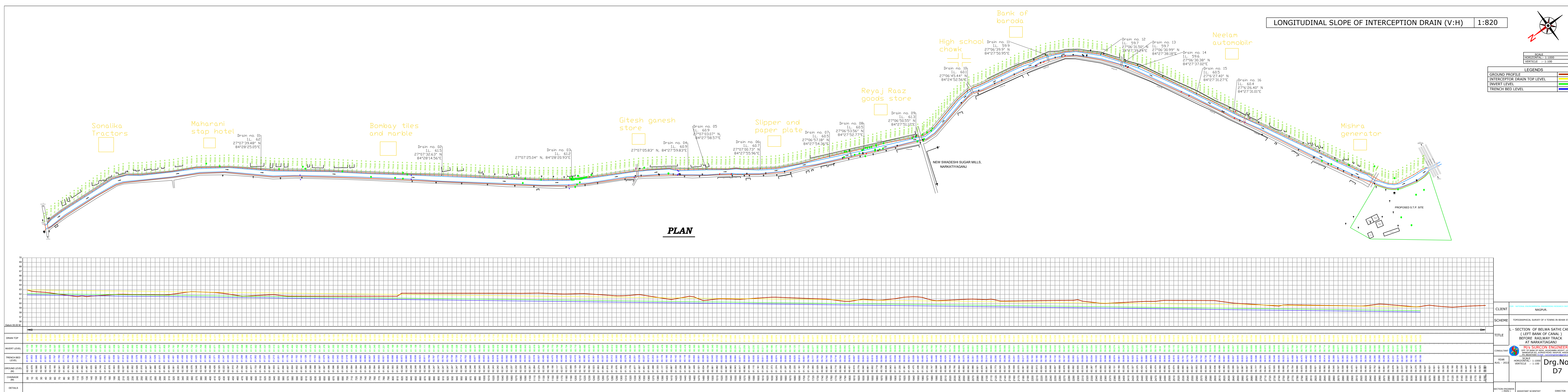
DWG.TITLE-
Boundary wall for STP site

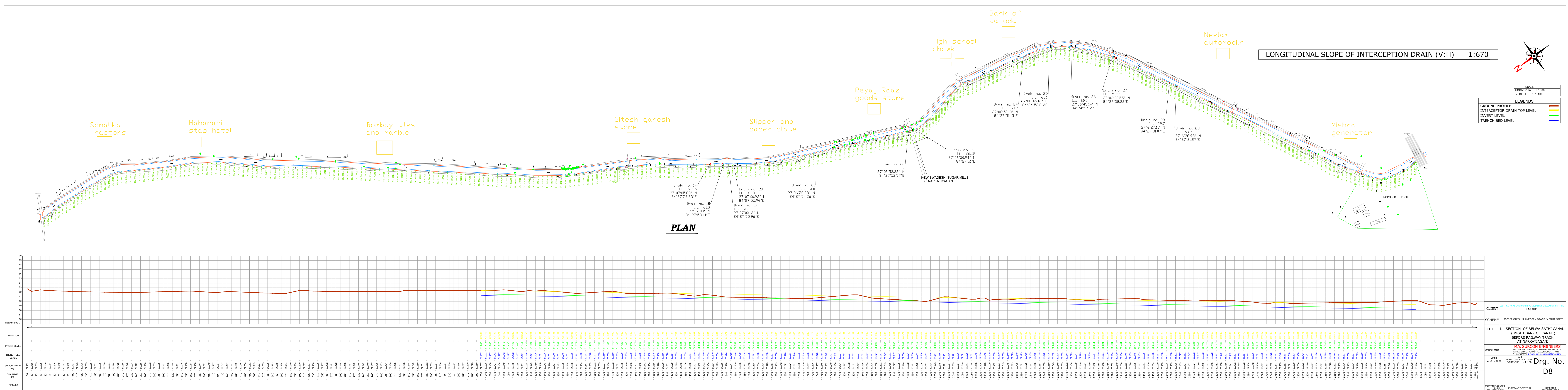
NARKATIAGANJ

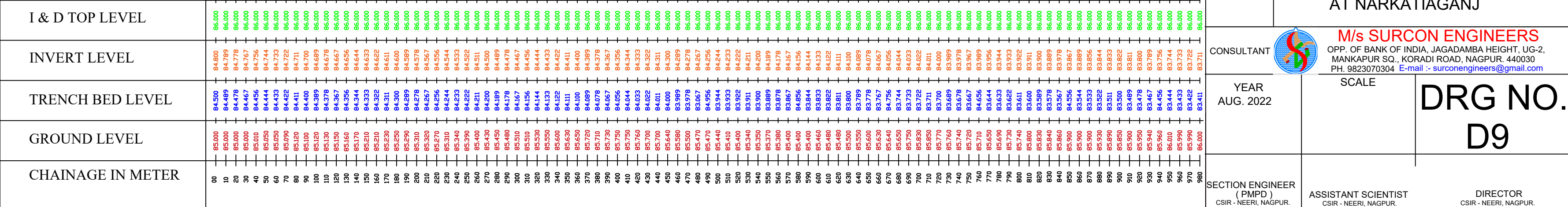
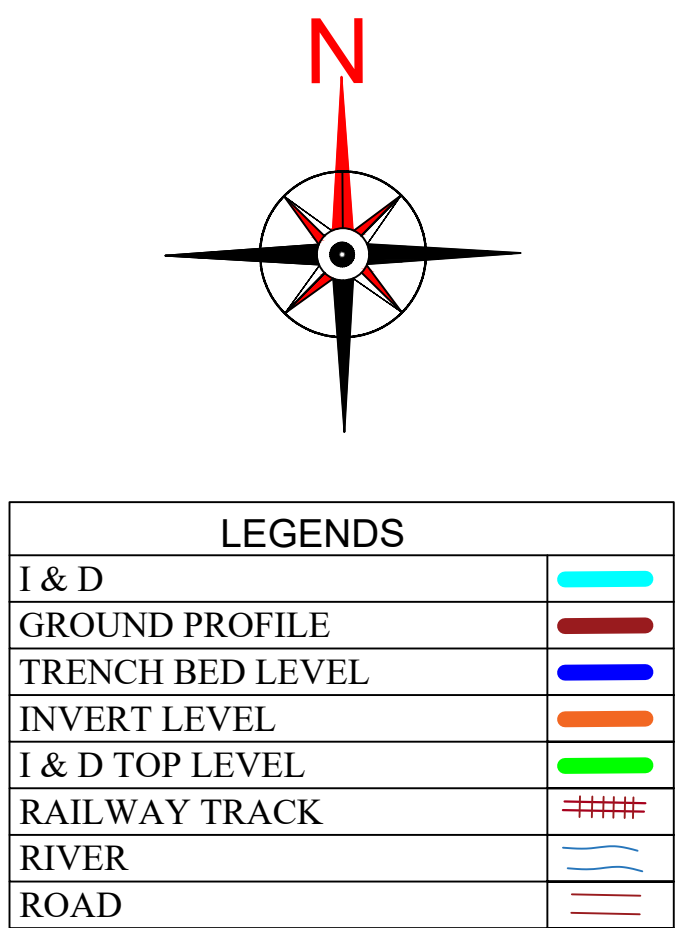
Prepared By - NEERI, Nagpur

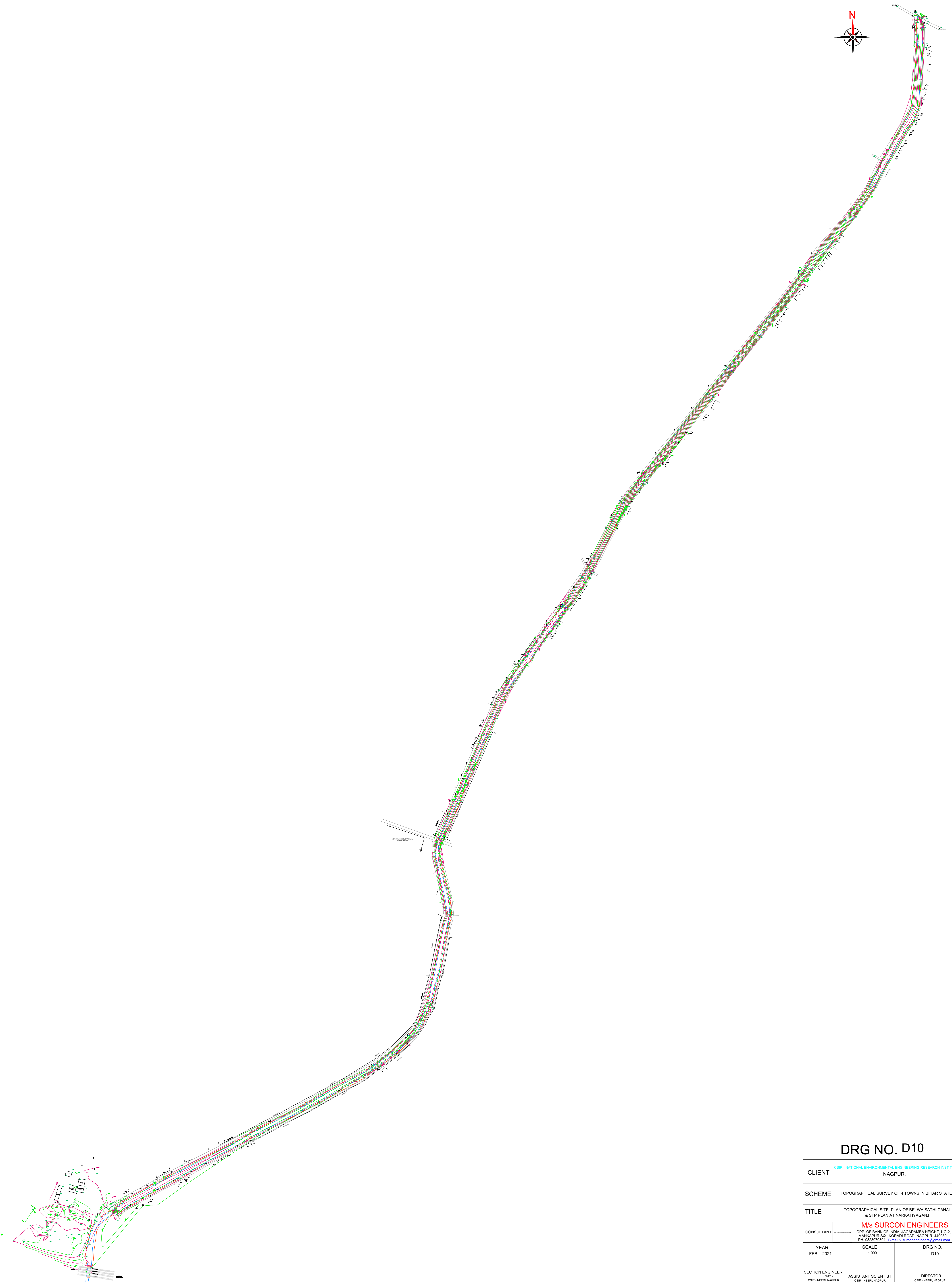
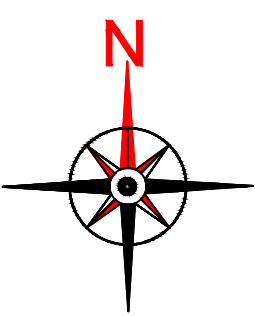
Reviewed By-

Approved By-



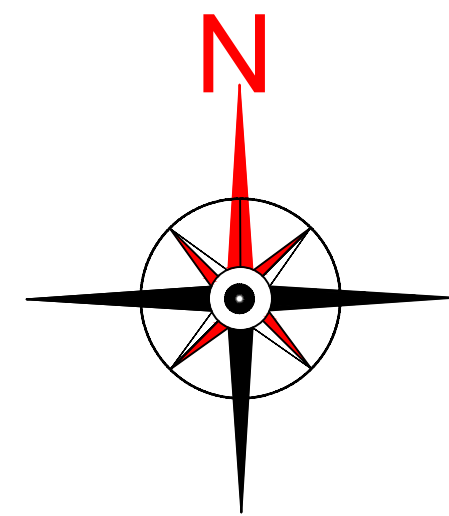






DRG NO. D10

CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.	
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE	
TITLE	TOPOGRAPHICAL SITE PLAN OF BELWA SATHI CANAL & STP PLAN AT NARKATTYAGANJ	
CONSULTANT	M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR S.I., KORAO ROAD, NAGPUR-460009 PH: 9823070304 E-mail - surconengineers@gmail.com	
YEAR FEB. - 2021	SCALE 1:1000	DRG NO. D10
SECTION ENGINEER (SIGNED) CSIR, NEERI, NAGPUR	ASSISTANT SCIENTIST CSIR, NEERI, NAGPUR	DIRECTOR CSIR, NEERI, NAGPUR

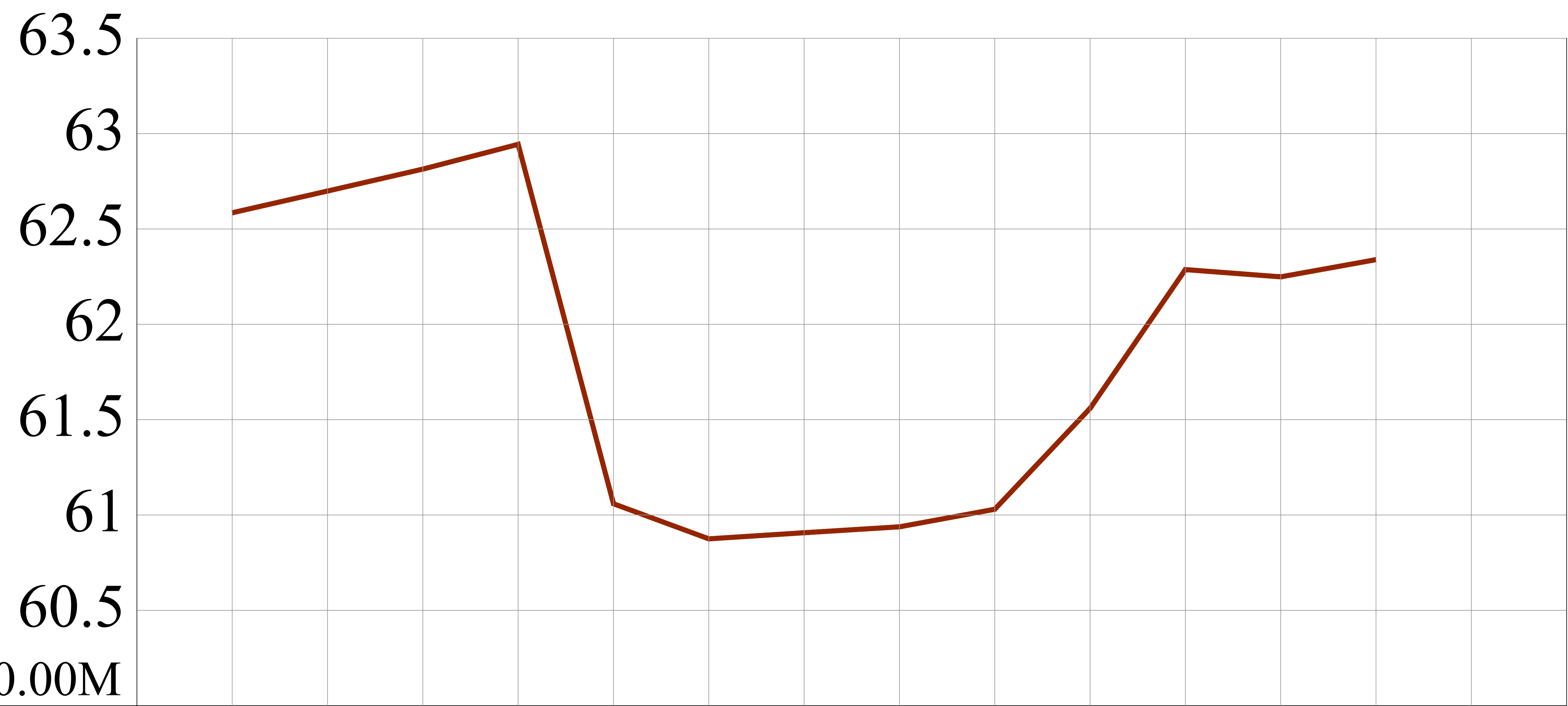


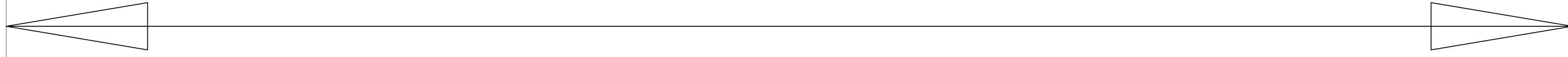
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.	
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE	
TITLE	PROPOSED SEWERAGE TREATMENT PLANT AT HARBORA RIVER - NARKATIYAGANJ	
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com
YEAR FEB. - 2021	SCALE 1:1000	DRG NO. D11
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.	DIRECTOR CSIR - NEERI, NAGPUR.

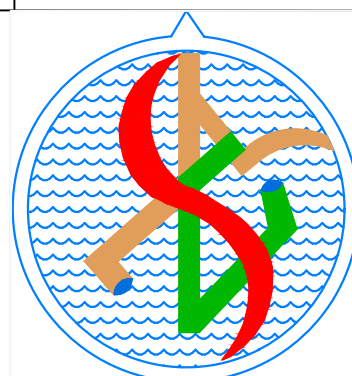
BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 10.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	



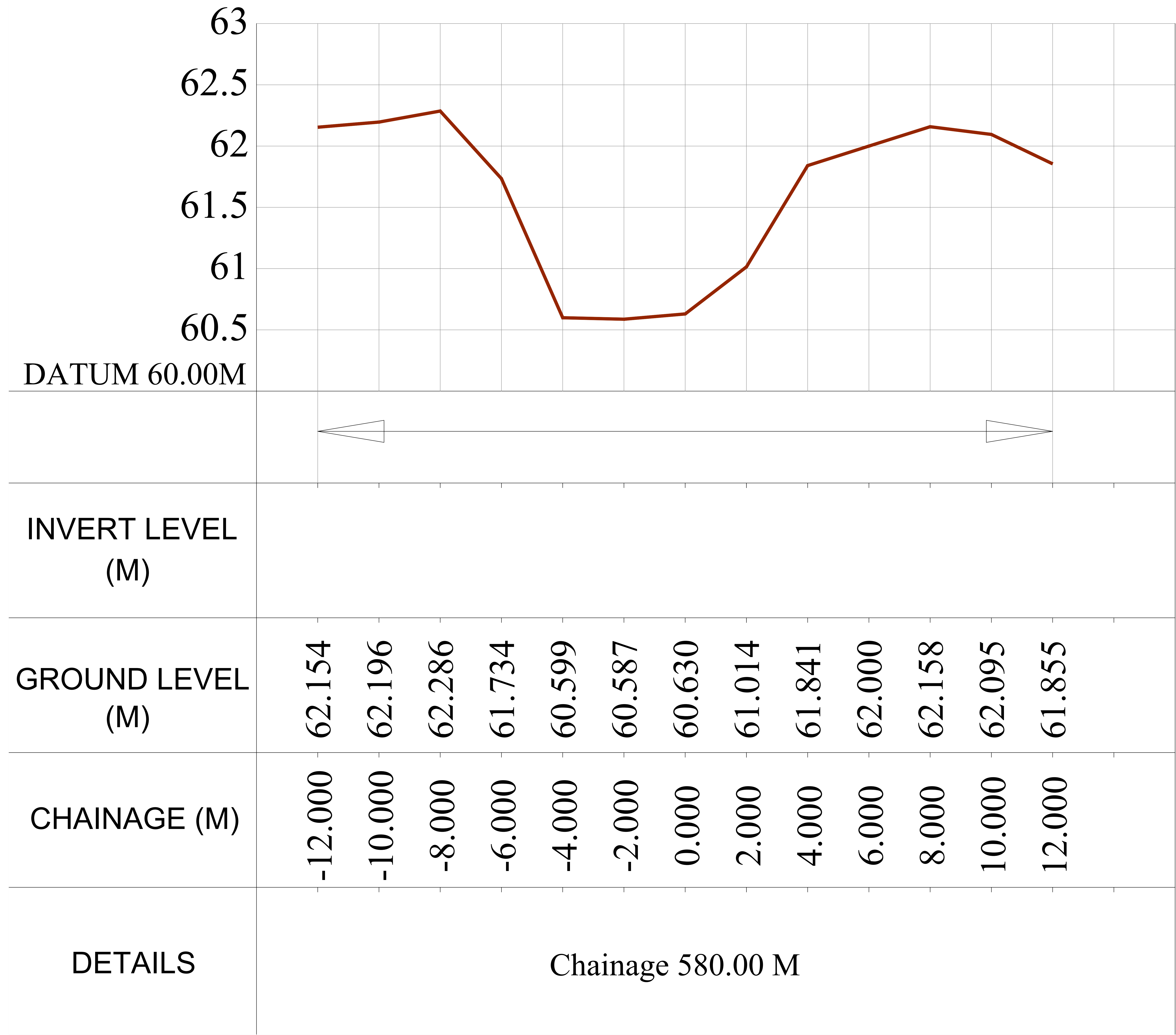
													
INVERT LEVEL (M)													
GROUND LEVEL (M)	62.585	62.699	62.814	62.944	61.059	60.875	60.907	60.938	61.030	61.559	62.287	62.249	62.339
CHAINAGE (M)	-12.000	-10.000	-8.000	-6.000	-4.000	-2.000	0.000	2.000	4.000	6.000	8.000	10.000	12.000
DETAILS	Chainage 10.00 M												

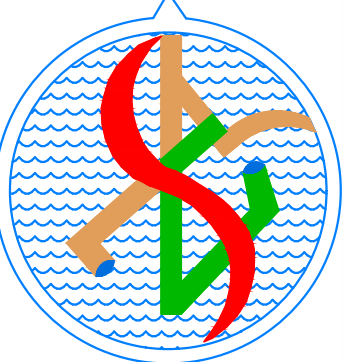
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 70 M) AT NARKATIAGANJ		
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE	DRG NO. D12	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.		DIRECTOR CSIR - NEERI, NAGPUR.

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 580.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	

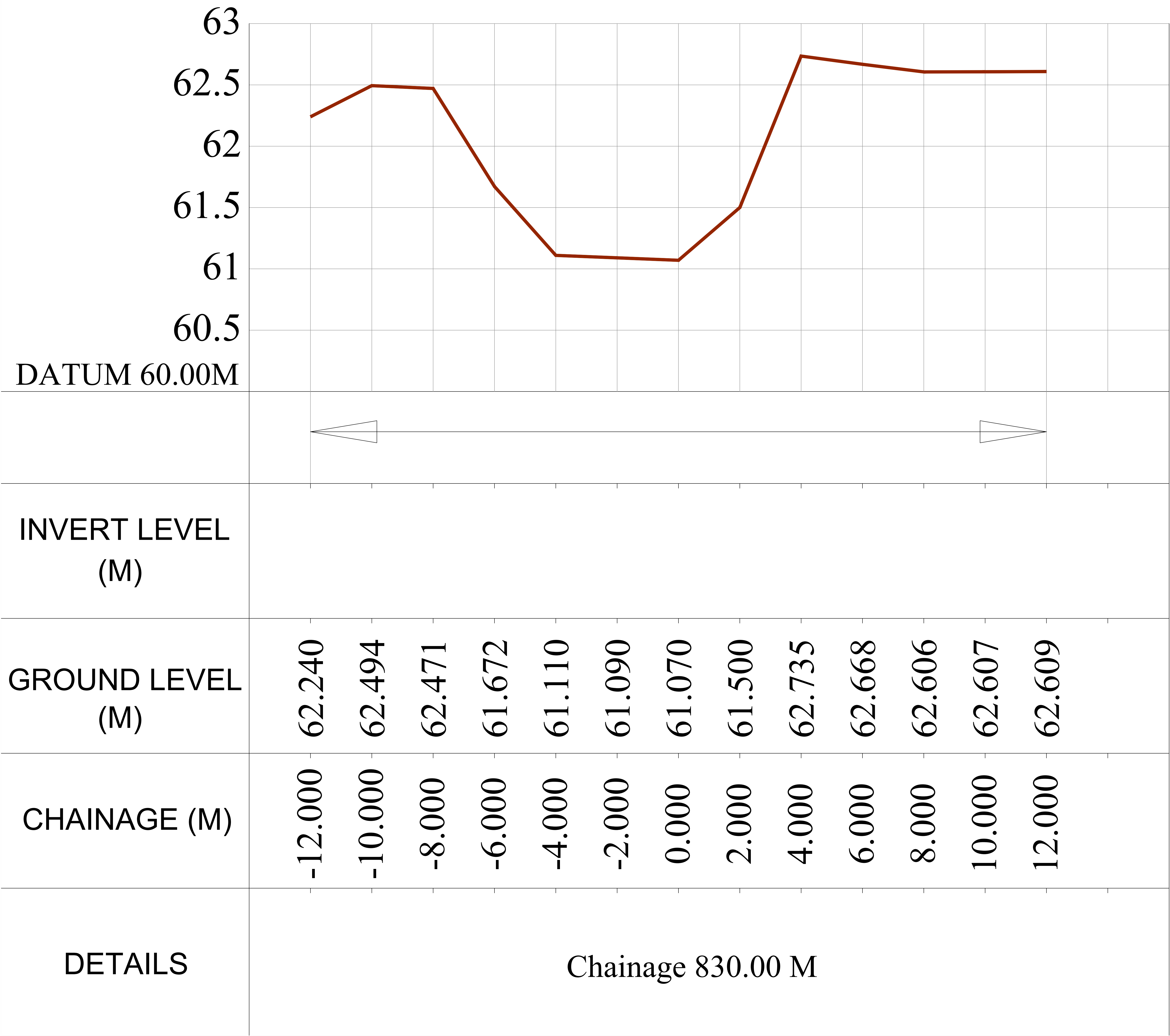


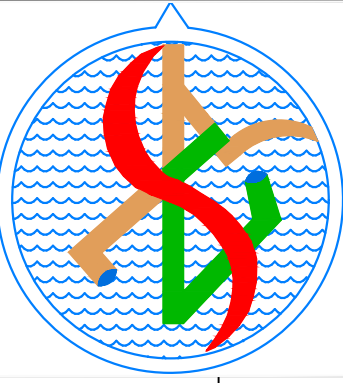
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.	
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE	
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 580 M) AT NARKATIAGANJ	
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D13
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.	DIRECTOR CSIR - NEERI, NAGPUR.

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 830.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	

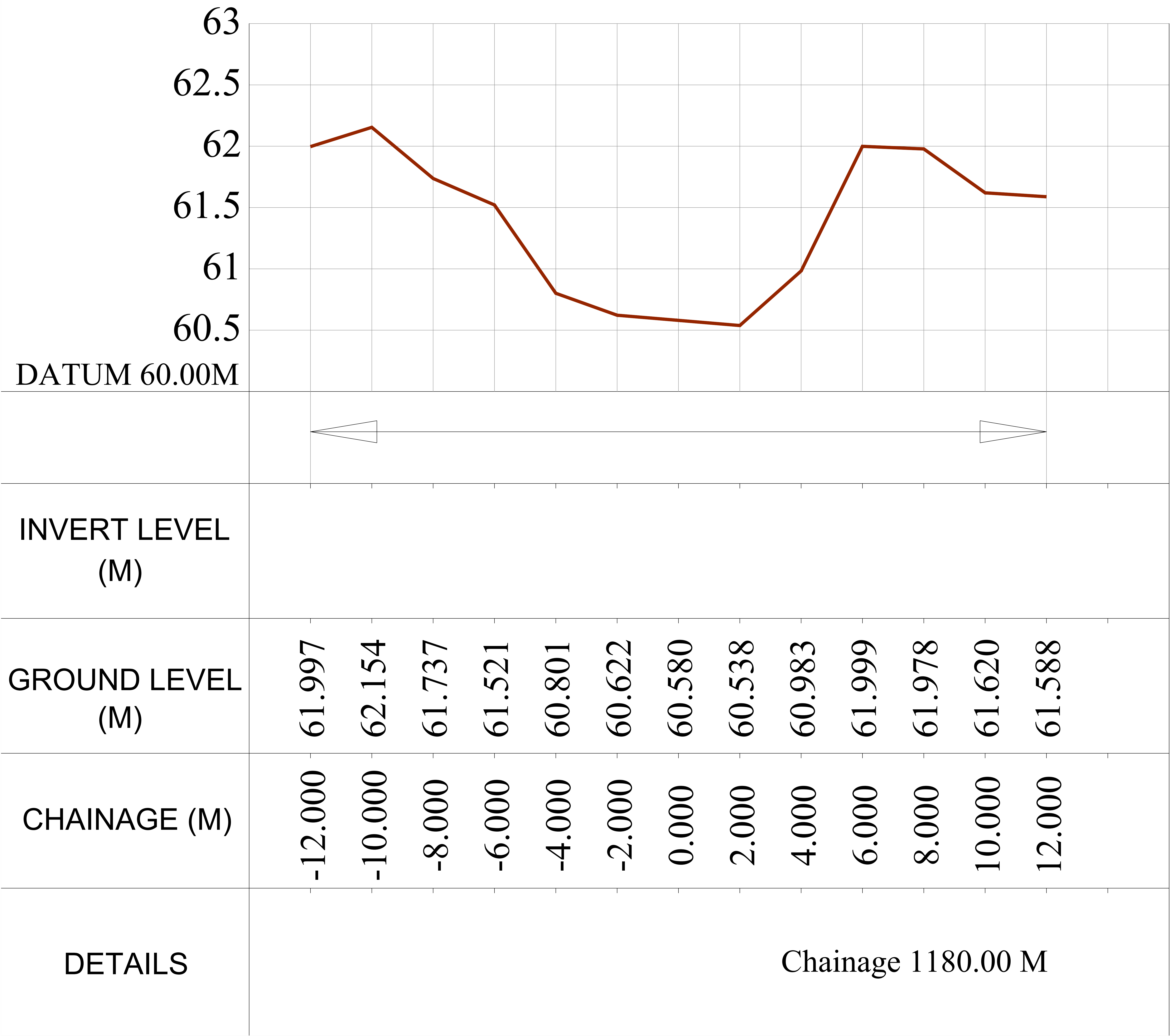


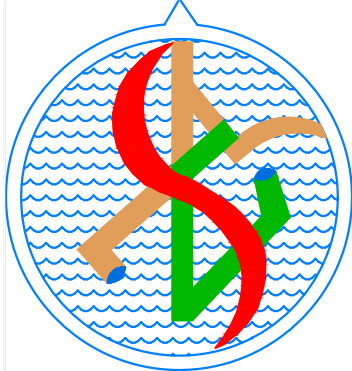
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 830 M) AT NARKATIAGANJ		
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D14	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.	DIRECTOR CSIR - NEERI, NAGPUR.	

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 1180.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	

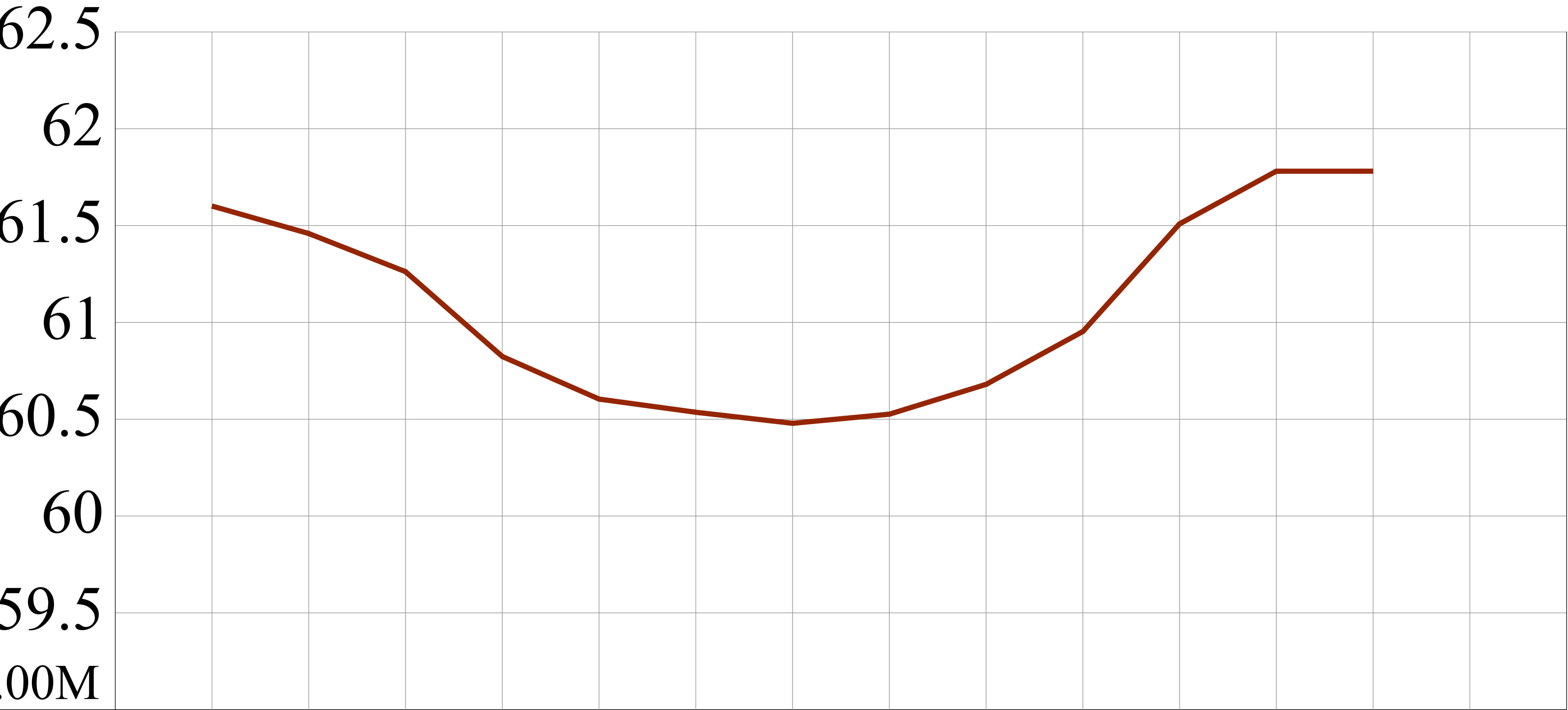


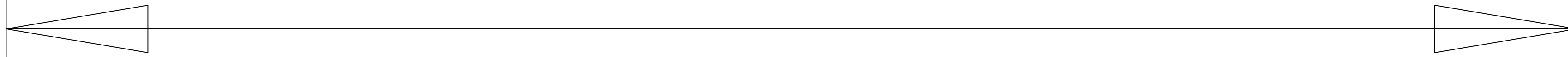
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 1180 M) AT NARKATIAGANJ		
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D15	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.		

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 1420.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

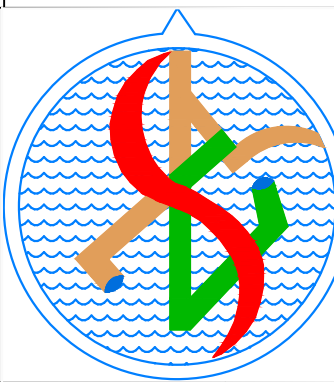
LEGENDS	
GROUND PROFILE	



													
INVERT LEVEL (M)													
GROUND LEVEL (M)	61.601	61.459	61.262	60.824	60.604	60.536	60.479	60.526	60.680	60.953	61.509	61.781	61.781
CHAINAGE (M)	-12.000	-10.000	-8.000	-6.000	-4.000	-2.000	0.000	2.000	4.000	6.000	8.000	10.000	12.000

DETAILS

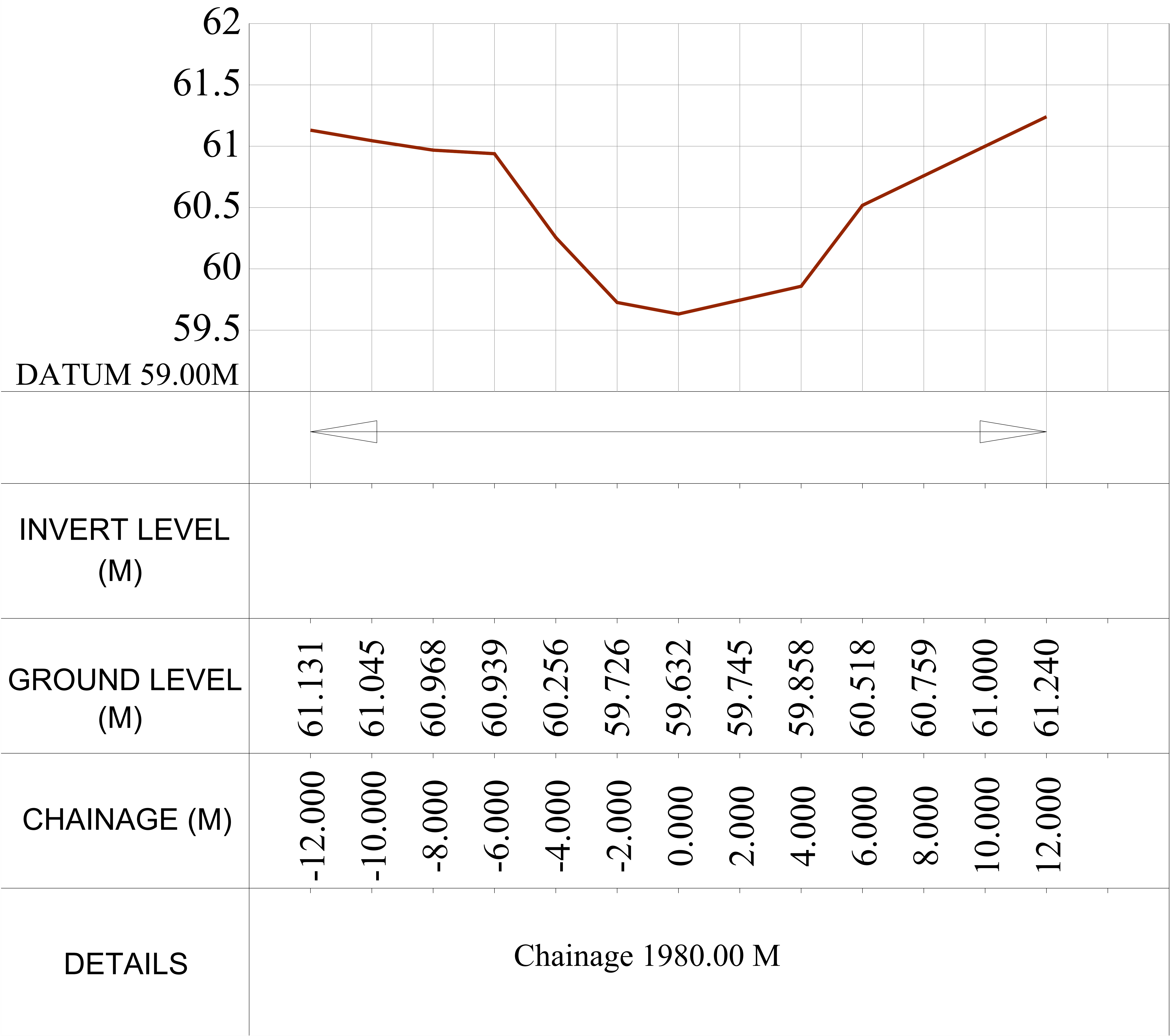
Chainage 1420.00 M

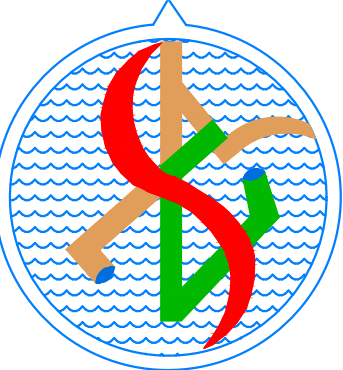
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 1420 M) AT NARKATIAGANJ		
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D16	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.		
	DIRECTOR CSIR - NEERI, NAGPUR.		

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 1980.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	

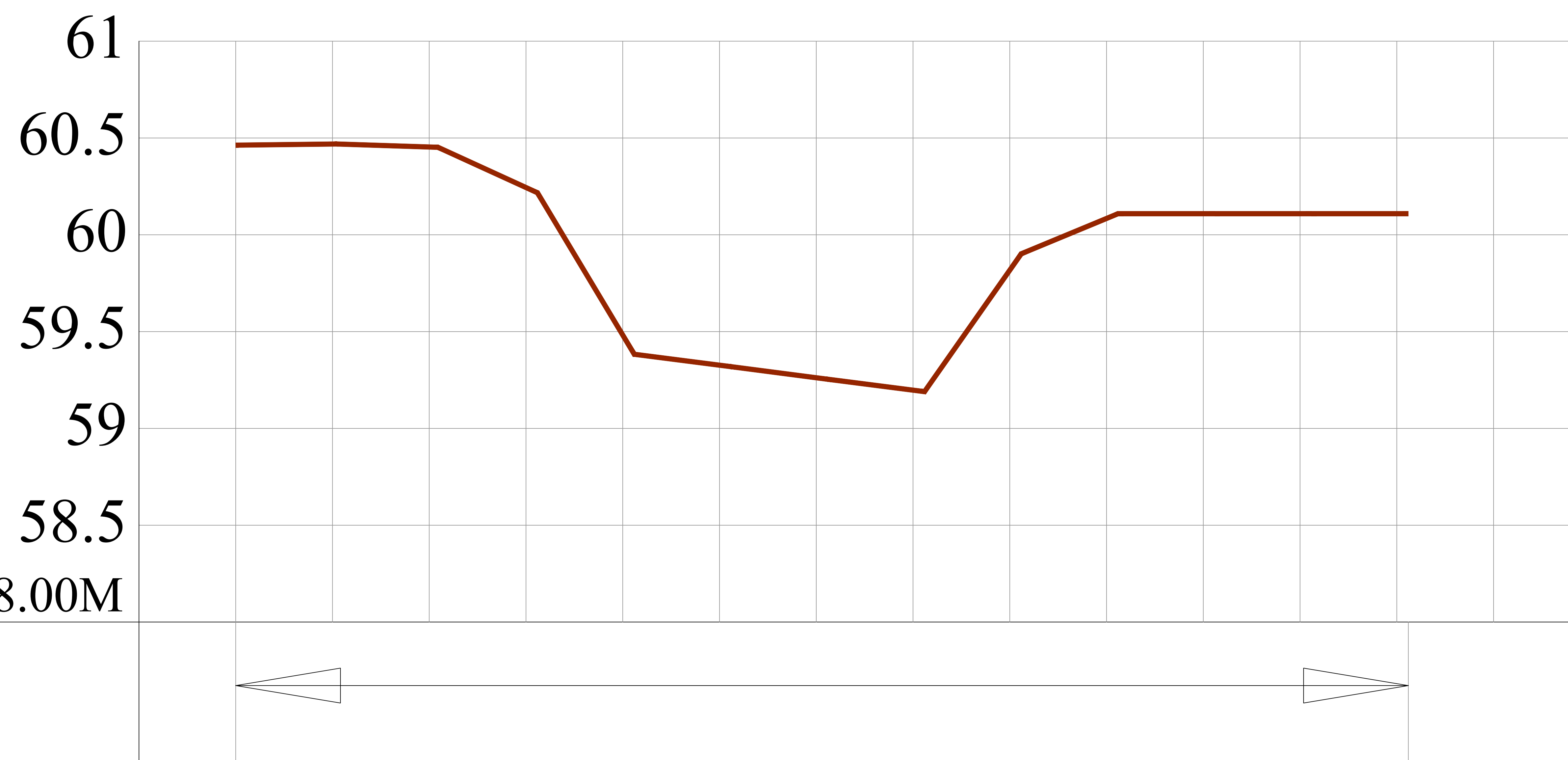


CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.	
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE	
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 1980 M) AT NARKATIAGANJ	
CONSULTANT	 M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D17
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.	DIRECTOR CSIR - NEERI, NAGPUR.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	

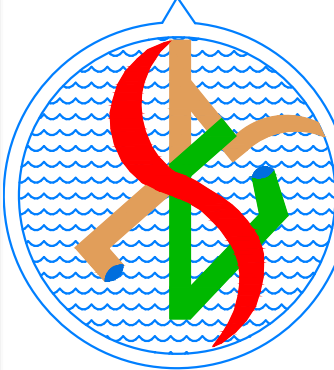
BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 2360.00 Mtr.



CHAINAGE (M)	GROUND LEVEL (M)	INVERT LEVEL (M)
-12.238	60.463	
-10.147	60.469	
-8.057	60.452	
-6.000	60.217	
-4.000	59.383	
-2.000	59.319	
0.000	59.254	
2.000	59.190	
4.000	59.902	
6.000	60.109	
8.000	60.109	
10.000	60.109	
12.000	60.109	

DETAILS

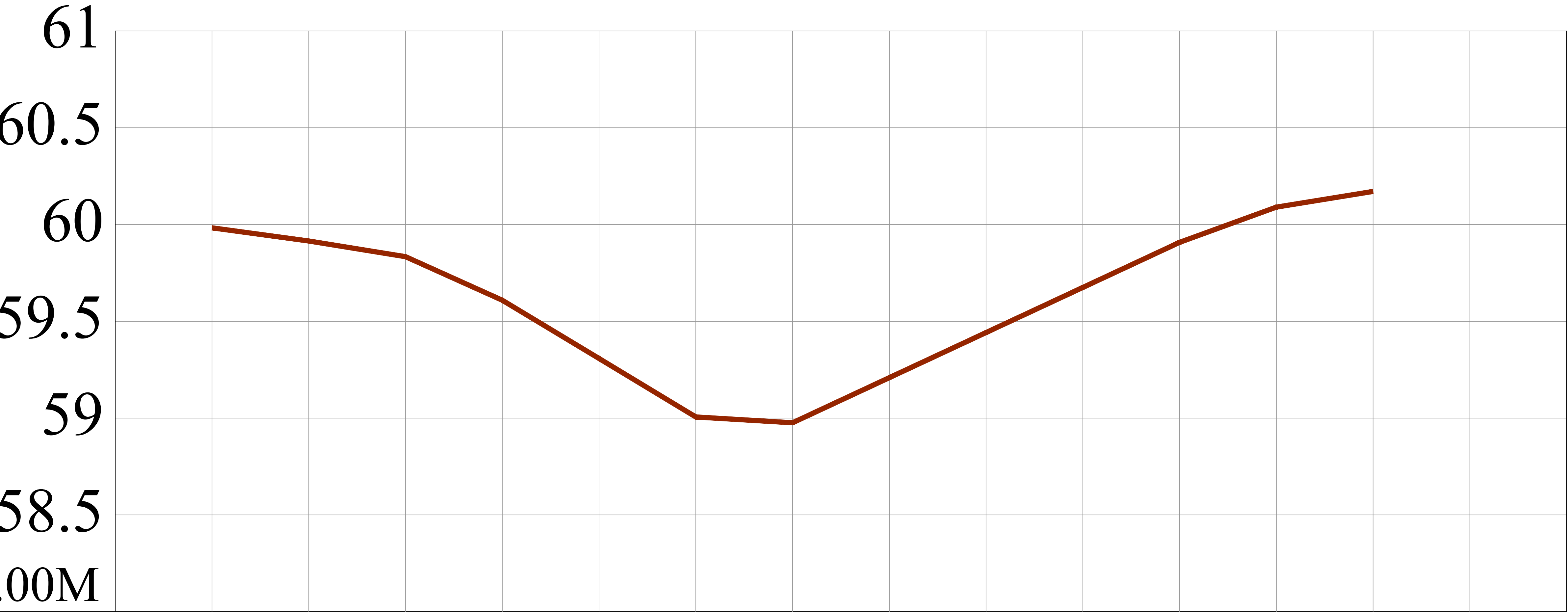
Chainage 2360.00 M

CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 2360 M) AT NARKATIAGANJ		
CONSULTANT	 M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com		
YEAR AUG 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D 18	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR. DIRECTOR CSIR - NEERI, NAGPUR.		

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 2790.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS
GROUND PROFILE



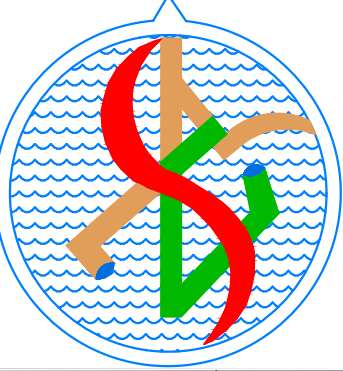
INVERT LEVEL
(M)

GROUND LEVEL
(M)

CHAINAGE (M)

DETAILS

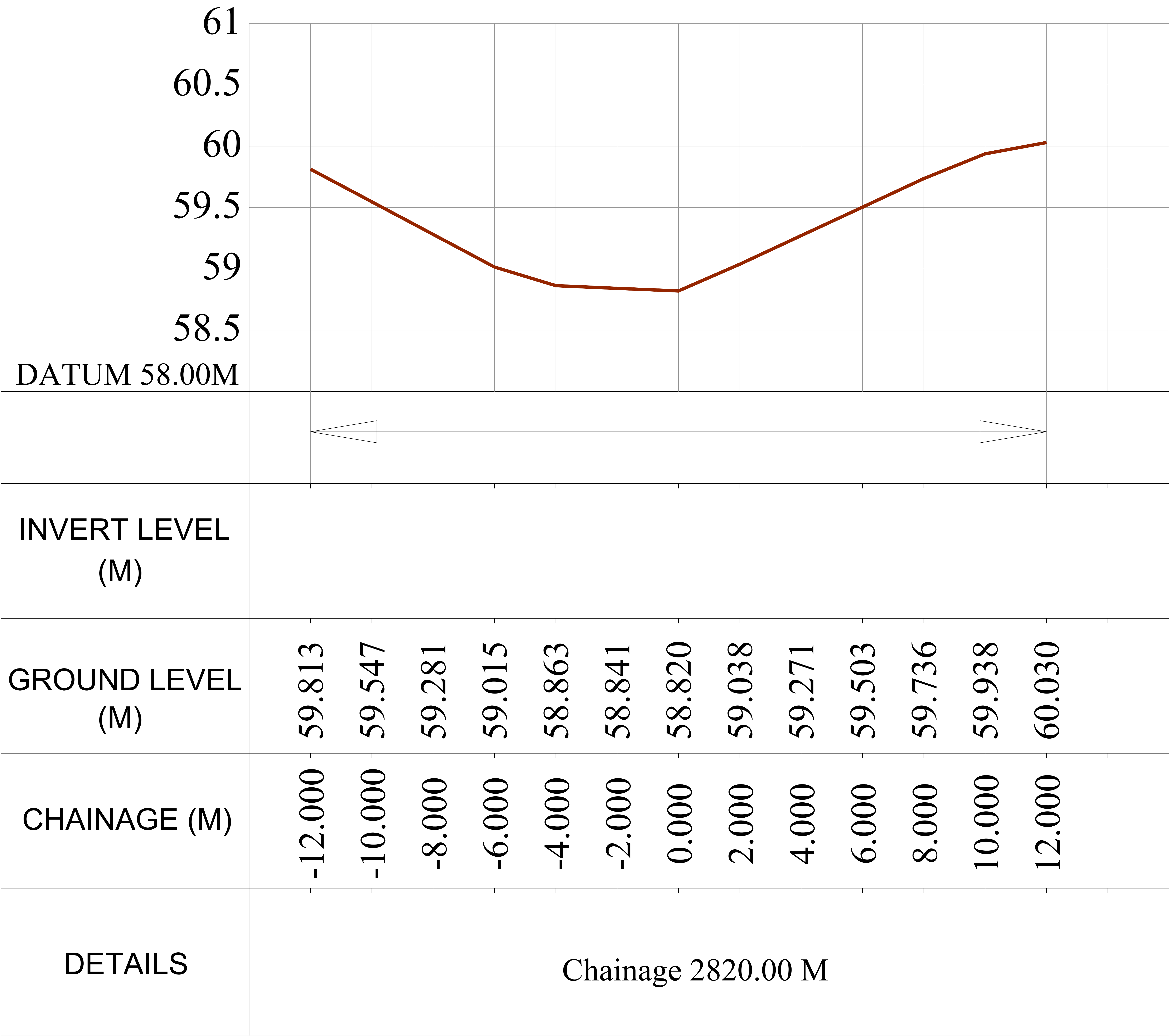
Chainage 2790.00 M

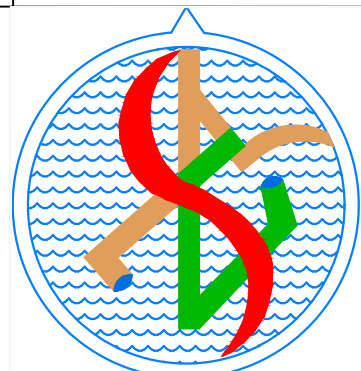
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.	
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE	
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 2790 M) AT NARKATIAGANJ	
CONSULTANT	 M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D19
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.	DIRECTOR CSIR - NEERI, NAGPUR.

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 2820.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	

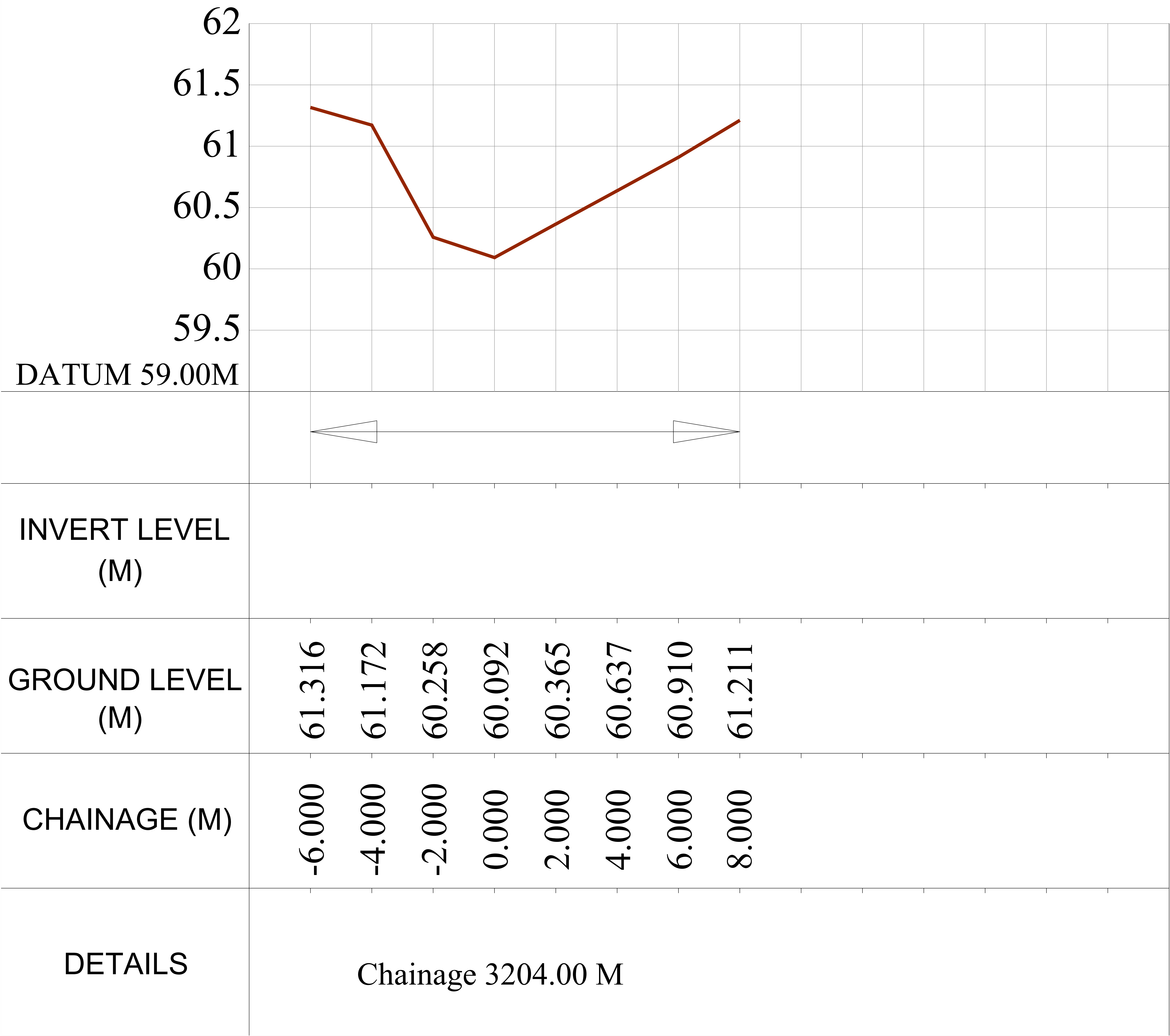


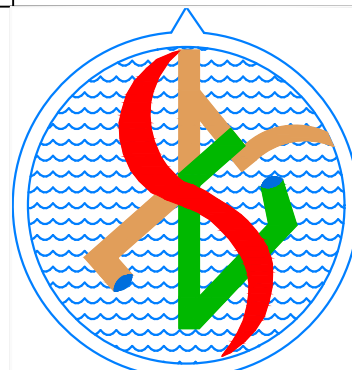
CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 2820 M) AT NARKATIAGANJ		
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D20	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.		

BELWA SATHI CANAL CROSS SECTION AT CHAINAGE 3204.00 Mtr.

SCALE
HORIZONTAL:- 1 : 200
VERTICAL :- 1 : 50

LEGENDS	
GROUND PROFILE	



CLIENT	CSIR - NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE NAGPUR.		
SCHEME	TOPOGRAPHICAL SURVEY OF 4 TOWNS IN BIHAR STATE		
TITLE	CROSS SECTION OF BELWA SATHI CANAL (Chainage 3204 M) AT NARKATIAGANJ		
CONSULTANT		M/s SURCON ENGINEERS OPP. OF BANK OF INDIA, JAGADAMBA HEIGHT, UG-2, MANKAPUR SQ., KORADI ROAD, NAGPUR. 440030 PH. 9823070304 E-mail :- surconengineers@gmail.com	
YEAR AUG. 2022	SCALE HORIZONTAL:- 1:200 VERTICLE :- 1:50	DRG NO. D21	
SECTION ENGINEER (PMPD) CSIR - NEERI, NAGPUR.	ASSISTANT SCIENTIST CSIR - NEERI, NAGPUR.		
	DIRECTOR CSIR - NEERI, NAGPUR.		