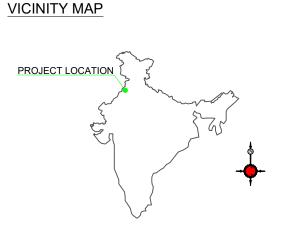
CLIENT: DEPARTMENT OF LOCAL BODIES & NAGAR PALIKA SADULSHAHAR

PROJECT NAME: FSTP- SADULSHAHAR

LOCATION: SADULSHAHAR, RAJASTHAN

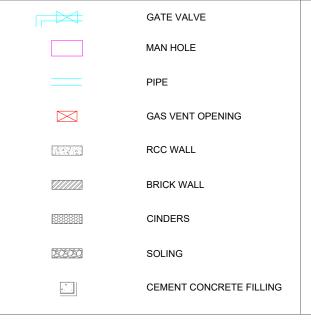
SHT NO. DWG NO. DESCRIPTION		INDEX TO DRAWINGS		
SDL-FSTP-MP-01(Dwg 02 of 21) SDL-FSTP-MP-02(Dwg 03 of 21) Master Plan Master Plan Master Plan Master Plan Master Plan Master Plan Hydraulic Profile Drawing Screening chamber: Plan, Section and bar screen details Planted Drying Beds: Section CC & Sectional plan Planted Drying Beds: Cross Section AA & BB SDL-FSTP-HD-PDB-02(Dwg 07 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PO2(Dwg 12 of 21) SDL-FSTP-HD-PO3(Dwg 13 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 19 of 21) Ramp Embankment: Section	SHT NO.	DWG NO.	DESCRIPTION	
SDL-FSTP-MP-02(Dwg 03 of 21) SDL-FSTP-HP-01(Dwg 04 of 21) SDL-FSTP-HD-SC-01(Dwg 05 of 21) SDL-FSTP-HD-PDB-01(Dwg 06 of 21) SDL-FSTP-HD-PDB-01(Dwg 06 of 21) SDL-FSTP-HD-PDB-02(Dwg 07 of 21) SDL-FSTP-HD-PDB-02(Dwg 07 of 21) SDL-FSTP-HD-ISAF-01(Dwg 08 of 21) SDL-FSTP-HD-ISAF-01(Dwg 08 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PP-02(Dwg 11 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) SDL-FSTP-GR-01(Dwg 13 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	01	SDL-FSTP-CS-(Dwg 01 of 21)	Cover page- FSTP Sadul shahar	
SDL-FSTP-HP-01(Dwg 04 of 21) SDL-FSTP-HD-SC-01(Dwg 05 of 21) SDL-FSTP-HD-PDB-01(Dwg 06 of 21) SDL-FSTP-HD-PDB-01(Dwg 06 of 21) SDL-FSTP-HD-PDB-02(Dwg 07 of 21) SDL-FSTP-HD-PDB-02(Dwg 07 of 21) SDL-FSTP-HD-ISAF-01(Dwg 08 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) SDL-FSTP-GR-01(Dwg 13 of 21) SDL-FSTP-GR-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-CW-02(Dwg 15 of 21) SDL-FSTP-CD-CW-02(Dwg 16 of 21) SDL-FSTP-CD-CW-02(Dwg 17 of 21) SDL-FSTP-CD-CW-02(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section and bar screen details Screening chamber: Plan, Section and bar screen details Planted Drying Beds: Section CC & Sectional Plan Screening chamber: Plan, Section Ac & BB Integrated Settler+AF: Section AA & BB Integrated settler+AF: Section BP, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA & BB Integrated Settler+AF: Section BP, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA & BB Integrated Dryin	02	SDL-FSTP-MP-01(Dwg 02 of 21)	Master Plan	
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SDL-FSTP-HD-PDB-01(Dwg 06 of 21) SDL-FSTP-HD-PDB-02(Dwg 07 of 21) Planted Drying Beds: Section CC & Sectional plan Planted Drying Beds: Cross Section AA & BB SDL-FSTP-HD-ISAF-01(Dwg 08 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) Planted Drying Beds: Cross Section AA & BB Integrated settler+AF: Sectional Plan & Cross section AA Integrated settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA & BB Integrated settler+AF: Sectional Plan & Cross section AA Integrated settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA & BB Integrated Settler+AF: Sectional Plan & Cross section AA Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA & BB Integrated Settler+AF: Sectional Plan & Cross section AA Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AA & BB Integrated Settler+AF: Section BB, Manhole layout with perforated slab details Planted Drying Beds: Cross Section AB & BB Integrated Settler+AF: Section BB, Manhole layout vith perforated slab details Planted Drying	04	SDL-FSTP-HP-01(Dwg 04 of 21)	Hydraulic Profile Drawing	
SDL-FSTP-HD-PDB-02(Dwg 07 of 21) SDL-FSTP-HD-ISAF-01(Dwg 08 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) SDL-FSTP-GR-01(Dwg 13 of 21) SDL-FSTP-GR-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	05	SDL-FSTP-HD-SC-01(Dwg 05 of 21)	Screening chamber: Plan, Section and bar screen details	
SDL-FSTP-HD-ISAF-01(Dwg 08 of 21) SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PGF-01(Dwg 11 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) SDL-FSTP-GR-01(Dwg 13 of 21) SDL-FSTP-GR-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section Integrated settler+AF: Sectional Plan & Cross section AA Integrated settler+AF: Section BB, Manhole layout with perforated slab details Planted Gravel Filter: Sectional Plan & Sections AA & BB Operator Room: Plan Polishing Pond: Section AA & BB Operator Room: Elevation, Section & Plan Suddre Room: Elevation, Section & Plan Sludge Storage Yard: Section , Plan & foundation details Bituminous road: Typical Section Compound wall: Section Compound wall: Plan Ramp Embankment: Section	06	SDL-FSTP-HD-PDB-01(Dwg 06 of 21)	Planted Drying Beds: Section CC & Sectional plan	
SDL-FSTP-HD-ISAF-02(Dwg 09 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) SDL-FSTP-OR-01(Dwg 13 of 21) SDL-FSTP-GR-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 17 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	07	SDL-FSTP-HD-PDB-02(Dwg 07 of 21)	Planted Drying Beds: Cross Section AA & BB	
perforated slab details SDL-FSTP-HD-PGF-01(Dwg 10 of 21) SDL-FSTP-HD-PGF-01(Dwg 11 of 21) SDL-FSTP-HD-PP-01(Dwg 11 of 21) SDL-FSTP-HD-PP-02(Dwg 12 of 21) Polishing Pond: Section AA & BB SDL-FSTP-OR-01(Dwg 13 of 21) SDL-FSTP-OR-01(Dwg 13 of 21) SDL-FSTP-GR-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 17 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	08	SDL-FSTP-HD-ISAF-01(Dwg 08 of 21)	Integrated settler+AF: Sectional Plan & Cross section AA	
SDL-FSTP-HD-PGF-01(Dwg 10 of 21) Planted Gravel Filter: Sectional Plan & Sections AA & BB SDL-FSTP-HD-PP-01(Dwg 11 of 21) Polishing Pond: Plan SDL-FSTP-HD-PP-02(Dwg 12 of 21) Polishing Pond: Section AA & BB SDL-FSTP-OR-01(Dwg 13 of 21) Operator Room: Elevation, Section & Plan SDL-FSTP-GR-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-RD-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	09	SDL-FSTP-HD-ISAF-02(Dwg 09 of 21)	, ,	
SDL-FSTP-HD-PP-02(Dwg 12 of 21) Polishing Pond: Section AA & BB Operator Room: Elevation, Section & Plan SDL-FSTP-GR-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-RD-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 17 of 21) SDL-FSTP-CD-REG-01(Dwg 18 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	10	SDL-FSTP-HD-PGF-01(Dwg 10 of 21)		
SDL-FSTP-OR-01(Dwg 13 of 21) Operator Room: Elevation, Section & Plan Guard Room: Elevation, Section & Plan SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-RD-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 16 of 21) Bituminous road: Typical Section SDL-FSTP-CD-REG-01(Dwg 17 of 21) Registers: Sections SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	11	SDL-FSTP-HD-PP-01(Dwg 11 of 21)	Polishing Pond: Plan	L
SDL-FSTP-CD-SSY-01(Dwg 14 of 21) SDL-FSTP-CD-SSY-01(Dwg 15 of 21) SDL-FSTP-CD-RD-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 17 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Registers: Sections Compound wall: Section Compound wall: Plan Ramp Embankment: Section	12	SDL-FSTP-HD-PP-02(Dwg 12 of 21)	Polishing Pond: Section AA & BB	
SDL-FSTP-CD-SSY-01(Dwg 15 of 21) Sludge Storage Yard: Section , Plan & foundation details Bituminous road: Typical Section SDL-FSTP-CD-REG-01(Dwg 16 of 21) Registers: Sections SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	13	SDL-FSTP-OR-01(Dwg 13 of 21)	Operator Room: Elevation, Section & Plan	
SDL-FSTP-CD-REG-01(Dwg 16 of 21) SDL-FSTP-CD-REG-01(Dwg 17 of 21) SDL-FSTP-CD-CW-01(Dwg 18 of 21) SDL-FSTP-CD-CW-02(Dwg 19 of 21) SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Registers: Sections Compound wall: Section Compound wall: Plan Ramp Embankment: Section	14	SDL-FSTP-GR-01(Dwg 14 of 21)	Guard Room: Elevation, Section & Plan	
17 SDL-FSTP-CD-REG-01(Dwg 17 of 21) Registers: Sections 18 SDL-FSTP-CD-CW-01(Dwg 18 of 21) Compound wall: Section 19 SDL-FSTP-CD-CW-02(Dwg 19 of 21) Compound wall: Plan 20 SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	15	SDL-FSTP-CD-SSY-01(Dwg 15 of 21)	Sludge Storage Yard: Section , Plan & foundation details	
SDL-FSTP-CD-CW-01(Dwg 18 of 21) Compound wall: Section SDL-FSTP-CD-CW-02(Dwg 19 of 21) Compound wall: Plan SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	16	SDL-FSTP-CD-RD-01(Dwg 16 of 21)	Bituminous road: Typical Section	
19 SDL-FSTP-CD-CW-02(Dwg 19 of 21) Compound wall: Plan 20 SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	17	SDL-FSTP-CD-REG-01(Dwg 17 of 21)	Registers: Sections	
20 SDL-FSTP-CD-EMB-01(Dwg 20 of 21) Ramp Embankment: Section	18	SDL-FSTP-CD-CW-01(Dwg 18 of 21)	Compound wall: Section	
Train Embarkinent Geston	19	SDL-FSTP-CD-CW-02(Dwg 19 of 21)	Compound wall: Plan	
21 SDL-FSTP-TOPO-01(Dwg 21 of 21) Topography map- FSTP site- Sadulshahar	20	SDL-FSTP-CD-EMB-01(Dwg 20 of 21)	Ramp Embankment: Section	
	21	SDL-FSTP-TOPO-01(Dwg 21 of 21)	Topography map- FSTP site- Sadulshahar	

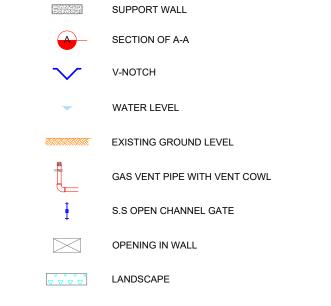




GPS CO-ORDINATES: 29°52'54.38"N 74°11'54.29"E

LEGENDS/SYMBOLS





Faecal Sludge Treatment Plant

- All dimensions are in 'mm' unless mentioned otherwise.
 All dimensions are checked and co-related with the architectural drawings and
- any discrepancy or omission shall be brought to the notice.

 This is the property of BORDA/CDD & is not to be copied or produced
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 4. The structural component and BOQ prepared considering Existing Ground Level (+98.25)

 5. EGL = Existing Ground Level +98.25

 6. FGL = Finished Ground Level

 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

- 8. IL/OL = Inlet level/Outlet Level.

 9.
 Cement (SRC).
 10. R' indicates Register;
 "PDB' indicates Planted Drying Bed
 "UPDB' indicates Planted Drying Bed
 "AF' indicates Anaerobic Filter;
 "PGF' indicates Planted Gravel Filter;
 "CT' indicates Collection Tank
 11 Isla ILIVC plane (55pm 110pm 8.15f
- 1. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand
- pressure of 6kg/cm².

 2. Bench Mark = As per the layout plan provided

 3. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. It
 case of conflict related to dimensions and specifications, structural drawings shall supersee
 the hydraulic or architectural drawings.

REVISIONS

DATE	REMARKS	SIGNATURE

COVER PAGE-FSTP Sadulshahar

SDL-FSTP-CS (Dwg 01 of 21)

PROJECT NAME

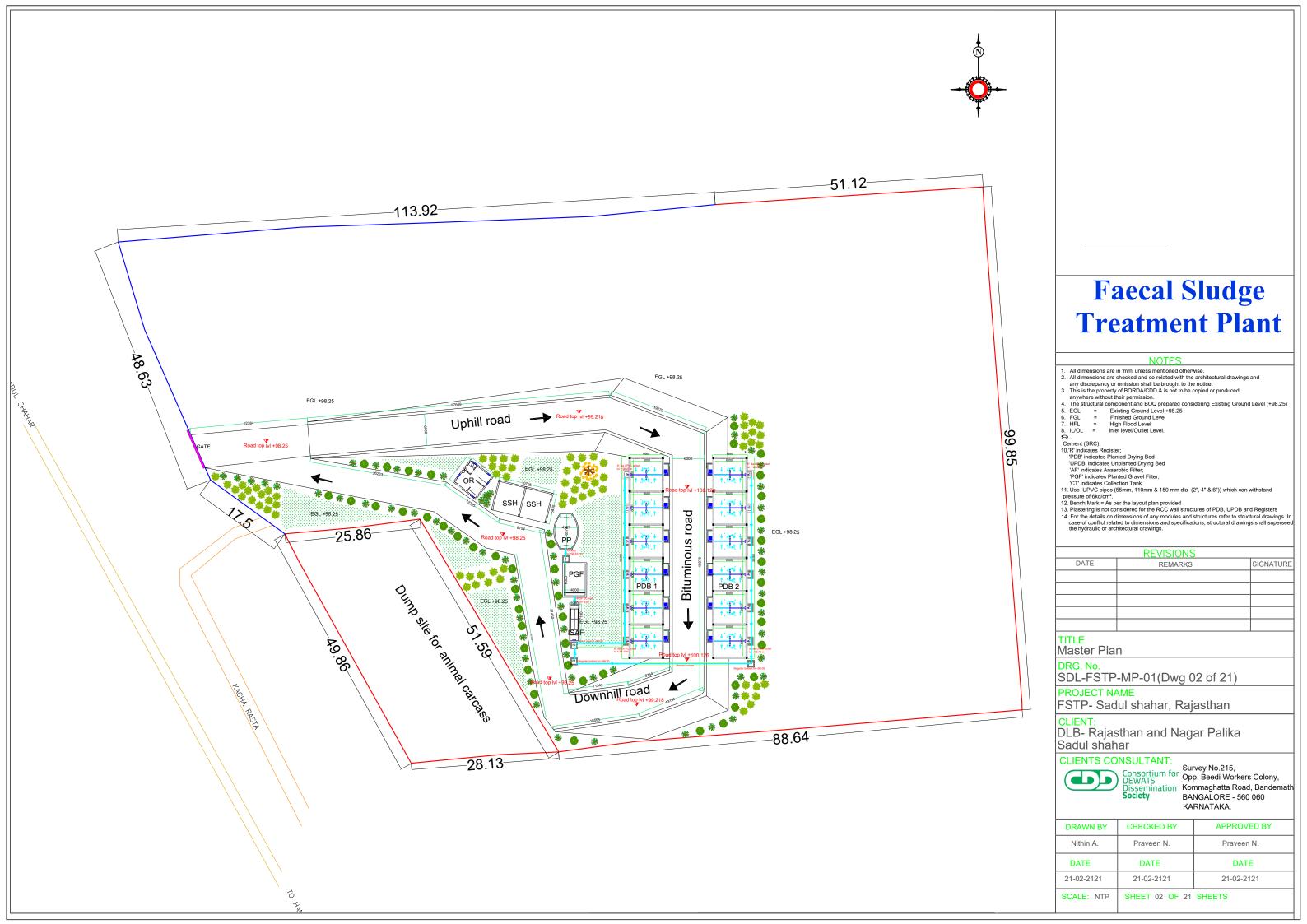
FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT



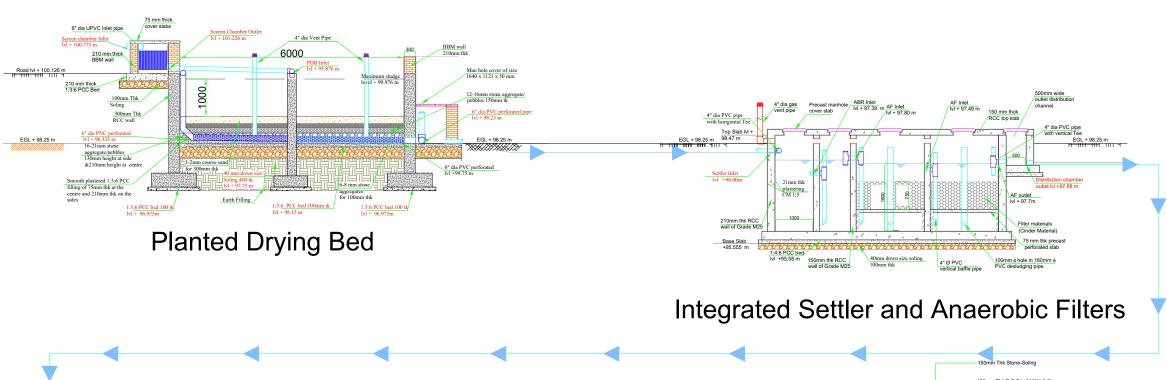
DRAWN BY	CHECKED BY	APPROVED BY
Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTD	SHEET OF OF 21	QUEETQ

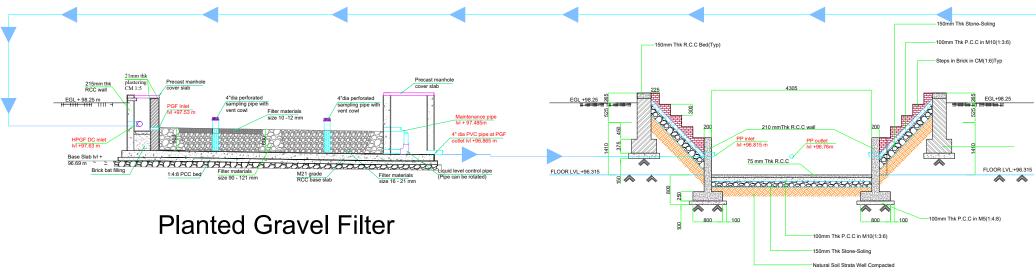




REVISIONS			
DATE	REMARKS	SIGNATURE	

DRAWN BY	CHECKED BY	APPROVED BY
Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE:NTP	SHEET 03 OF 21	SHEETS





Polishing Pond

Faecal Sludge Treatment Plant

- . All dimensions are in 'mm' unless mentioned otherwise. . All dimensions are checked and co-related with the architectural drawings and
- any discrepancy or omission shall be brought to the notice.

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 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

REVISIONS		
DATE	REMARKS	SIGNATURE

Hydraulic Profile Drawing

SDL-FSTP-HP-01(Dwg 04 of 21)

PROJECT NAME

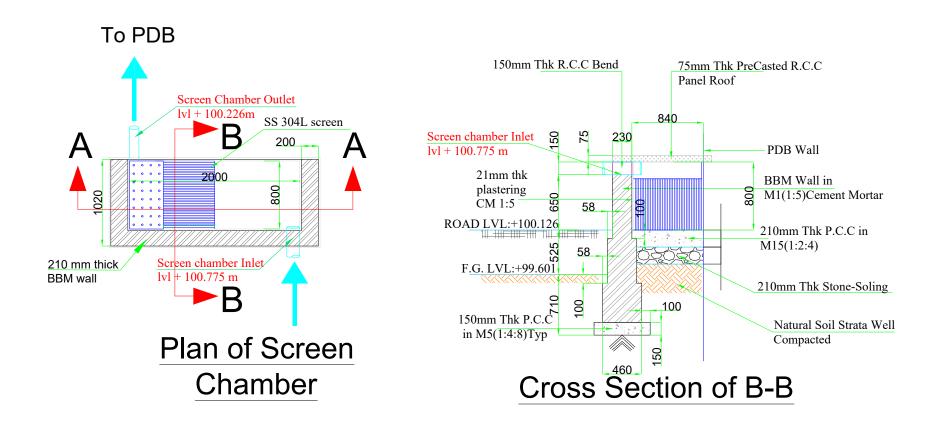
FSTP- Sadul shahar, Rajasthan

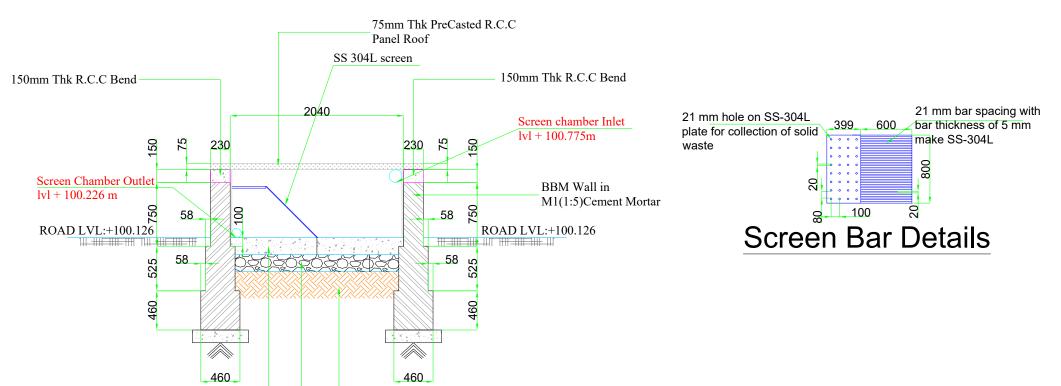
CLIENT: DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT:



DRAWN BY	CHECKED BY	APPROVED BY
Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTD	SHEET OF OF 21	QUEETQ





Natural Soil Strata Well

-210mm Thk Stone-Soling

210mm Thk P.C.C in

Compacted

M15(1:2:4)

Cross Section of A-A

Faecal Sludge Treatment Plant

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 This is the property of BORDA/CDD & is not to be copied or produced

- anywhere without their permission.

 The structural component and BOQ prepared considering Existing Ground Level (+98.25)

- = Existing Ground Level +98.25 = Finished Ground Level = High Flood Level = Inlet level/Outlet Level.

- 8. IL/OL = Inlet level/Outlet Level.
 9. Cement (SRC).

 10.'R' indicates Register;
 'PDB' indicates Planted Drying Bed
 'UPDB' indicates Unplanted Drying Bed
 'AF indicates Unplanted Drying Bed
 'AF indicates Anaerobic Filter;
 'PGF' indicates Planted Gravel Filter;
 'CT' indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of Kig/cm².

 12. Bench Mark = As per the layout plan provided
 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers
 14. For the details on dimensions of any modules and structures refer to structural drawing case of conflict related to dimensions and specifications, structural drawings shall supe the hydraulic or architectural drawings.

REVISIONS			
	DATE	REMARKS	SIGNATURE

Screening Chamber: Plan, Sections and Bar screen details

DRG. No.

SDL-FSTP-HD-SC-01(Dwg 05 of 21)

PROJECT NAME

FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

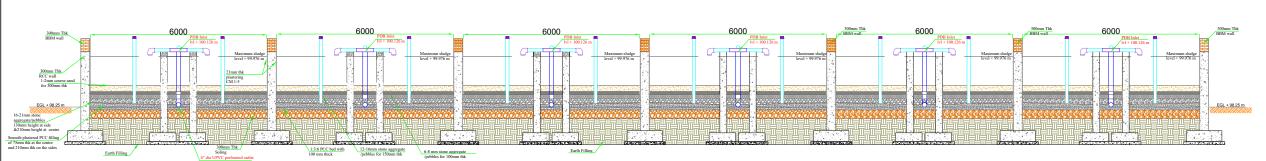
CLIENTS CONSULTANT



DRAWN BY	CHECKED BY	APPROVED BY
Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 05 OF 21	SHEETS

38380 R₁ R3 R4 R2 R6 R5 300 x 300 mm si RCC Colum 6000 6000 6000 6000 6000 6000 0899 C 0009 a Z a D or ∭⊏ OI C À

Plan of Planted Drying Bed



Cross Section of C-C

Faecal Sludge Treatment Plant

- All dimensions are in 'mm' unless mentioned otherwise.
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- 2. All dimensions are checked and co-related with the architectural drawings and any discrepancy or omission shall be brought to the notice.

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- "PCF" indicates Planted Gravel Filter;
 "CT" indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers
- 14. For the details on dimensions of any modules and structures refer to structural drawings. It case of conflict related to dimensions and specifications, structural drawings shall supersee the hydraulic or architectural drawings.

REVISIONS DATE SIGNATURE

TITLE PLANTED DRYING BEDS: Section CC & Sectional Plan

SDL-FSTP-HD-PDB-01(Dwg 06 of 21)

PROJECT NAME

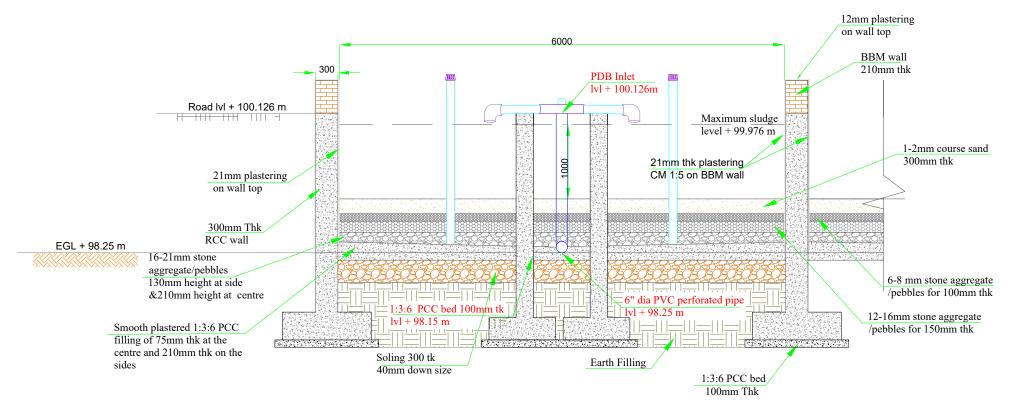
FSTP- Sadul shahar, Rajasthan

CLIENT: DLB- Rajasthan and Nagar Palika Sadul shahar

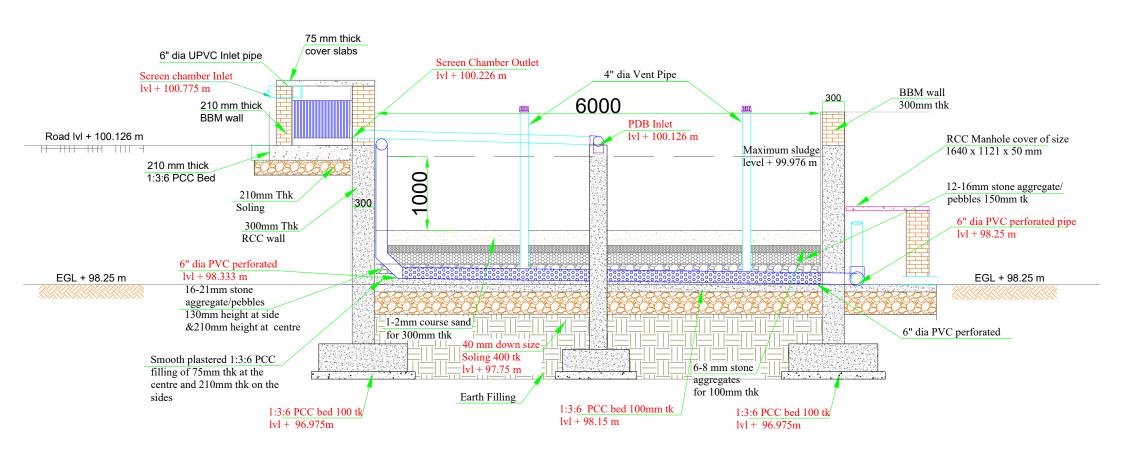
CLIENTS CONSULTANT:



DRAWN BY	CHECKED BY	APPROVED BY
Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 06 OF 21	SHEETS



Cross Section of A-A



Cross Section of B-B

Faecal Sludge Treatment Plant

NOTES

- . All dimensions are in 'mm' unless mentioned otherwise. . All dimensions are checked and co-related with the architectural drawings and
- any discrepancy or omission shall be brought to the notice.

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 The structural component and BOQ prepared considering Existing Ground Level (+98.25).
 EGL = Existing Ground Level +98.25
 FGL = Finished Ground Level

- 5. EGL = Existing Ground Level
 6. FGL = Finished Ground Level
 7. HFL = High Flood Level
 8. IL/OL = Inlet level/Outlet Level.

- 8. IL/OL = Inlet level/Outlet Level.

 9. Cement (SRC).
 10. R' indicates Register;
 "PDB' indicates Planted Drying Bed
 "UPDB' indicates Unplanted Drying Bed 'AF' indicates Anaerobic Filter: 'PGF' indicates Planted Gravel Filter

- "PGF" indicates Planted Gravel Filter;
 "CT" indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall superseed the hydraulic or architectural drawings.

REVISIONS		
DATE	REMARKS	SIGNATURE

PLANTED DRYING BEDS: Cross sections AA& BB

SDL-FSTP-HD-PDB-02(Dwg 07 of 21)

PROJECT NAME

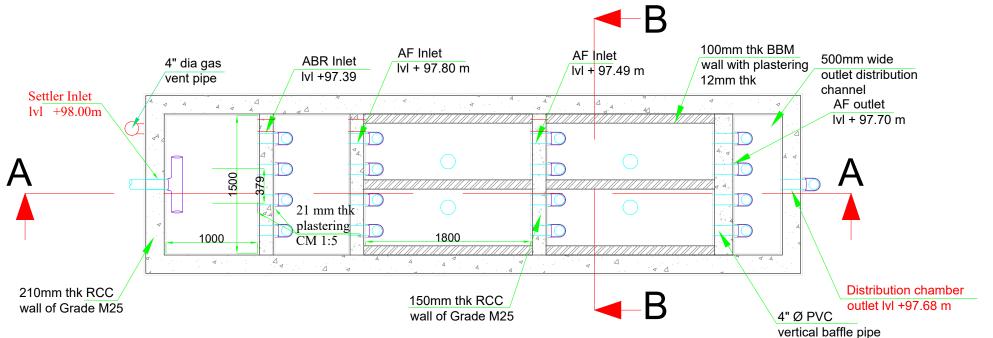
FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

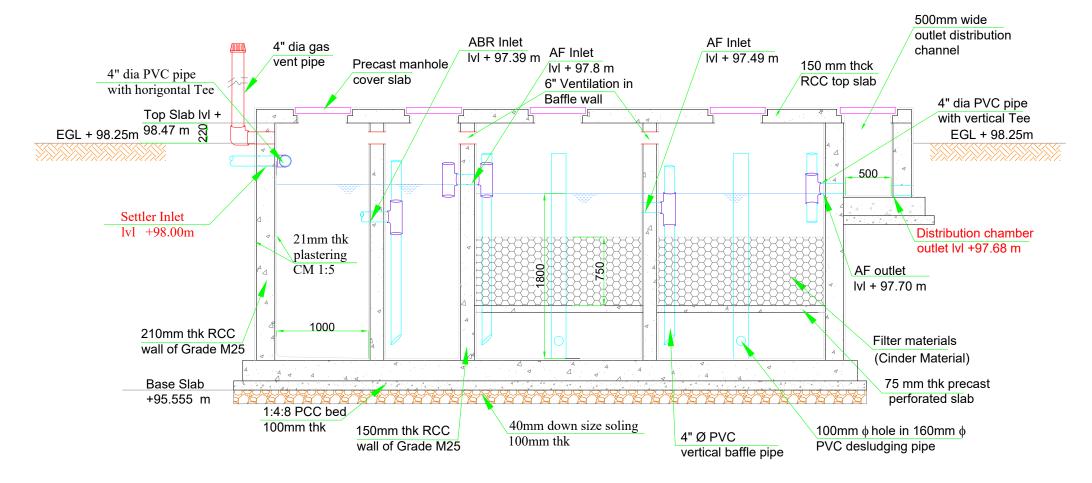
CLIENTS CONSULTANT



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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 07 OF 21	SHEETS



Plan of Integrated Settler and Anaerobic Filters



Cross section @ A-A

Faecal Sludge Treatment Plant

NOTES

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- 3. This is the property of BORDA/CDD & is not to be copied or produced anywhere without their permission.

 4. The structural component and BOQ prepared considering Existing Ground Level (+98.25)

 5. EGL = Existing Ground Level +98.25

 6. FGL = Finished Ground Level

 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

- One common (SRC).

 10. 'R' indicates Register;

 'PDB' indicates Planted Drying Bed
 'UPDB' indicates Unplanted Drying Bed
 'AF' indicates Vanaerobic Filter;

 'CF' indicates Vanaerobic Filter;

 'CT' indicates Vanaerobic Filter;

 'CT' indicates Collection Tank
- "C1" indicates Collection Fank

 11. Use UPVC pipes (56mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand
 pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. In
 case of conflict related to dimensions and specifications, structural drawings shall superseed
 the hydraulic or architectural drawings.

REVISIONS		
DATE	REMARKS	SIGNATURE

TITLE
INTEGRATED SETTLER+AF: Sectional plan & cross section AA

SDL-FSTP-HD-ISAF-01(Dwg 08 of 21)

PROJECT NAME

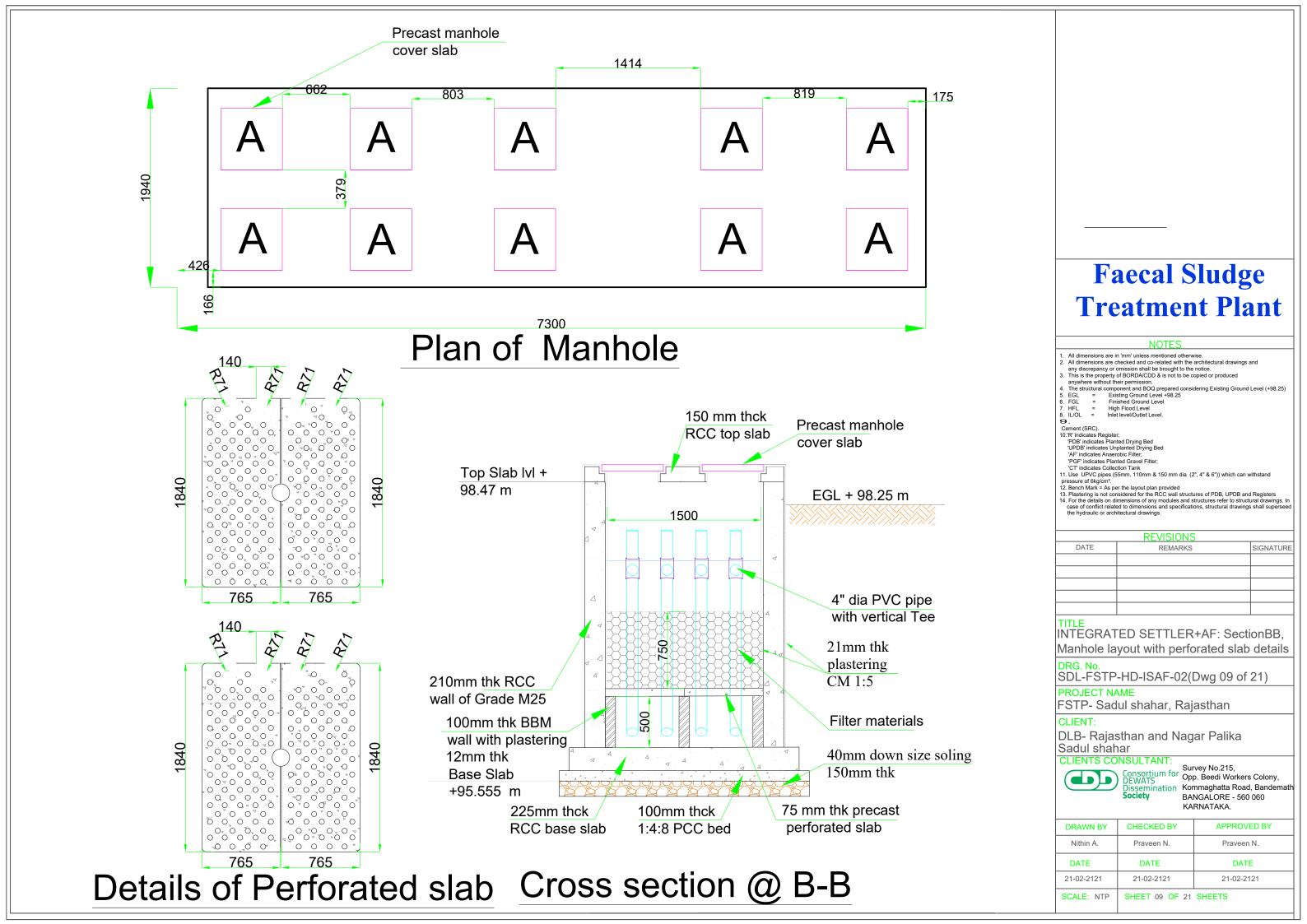
FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT

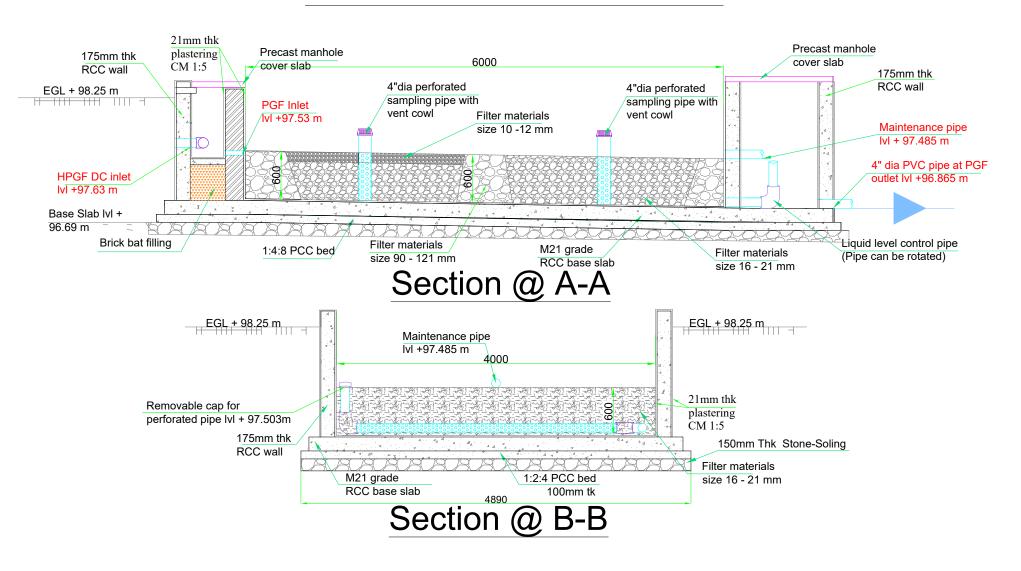


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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 08 OF 21	SHEETS



B 175mm thk RCC wall 4" dia PVC pipe at PGF **PGF** Inlet 400 outlet lvl +96.865 m lvl +97.53 m 175mm thk 20mm thk RCC wall Maintenance pipe plastering lvl + 97.485 m 4"dia perforated CM 1:5 sampling pipe with vent cowl **HPGF DC inlet** lvl +97.63 m 230mm thk 6000 BBM wall 4"dia PVC Perforated pipe Removable cap for 175mm thk perforated pipe lvl + 97.503 Brick Column of RCC wall size 400x400mm

Plan of Planted Gravel Filter



Faecal Sludge Treatment Plant

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- 1. All dimensions are in 'mm' unless mentioned otherwise.
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 3. This is the property of BORDA/CDD & is not to be copied or produced anywhere without their permission.
 4. The structural component and BOQ prepared considering Existing Ground Level (+98.25)
 5. EGL = Existing Ground Level +98.25
 6. FGL = Finished Ground Level
 7. HFL = High Flood Level
 8. IL/OL = Inlet level/Outlet Level.

- 8. LIC/U = Iniet level/Outlet Level.

 Cement (SRC).

 10.R' indicates Register;

 "PDB" indicates Planted Drying Bed

 "UPDB" indicates Unplanted Drying Bed

 "AF indicates Anaerobic Filter;

 "PGF' indicates Planted Gravel Filter;

- 'PCF' indicates Planted Gravel Filter;
 'CT' indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. I case of conflict related to dimensions and specifications, structural drawings shall superset the hydraulic or architectural drawings.

REVISIONS		
DATE	REMARKS	SIGNATURE
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PLANTED GRAVEL FILTER: Sectional plan & Section AA and BB

DRG. No.

SDL-FSTP-HD-PGF-01(Dwg 10 of 21)

PROJECT NAME

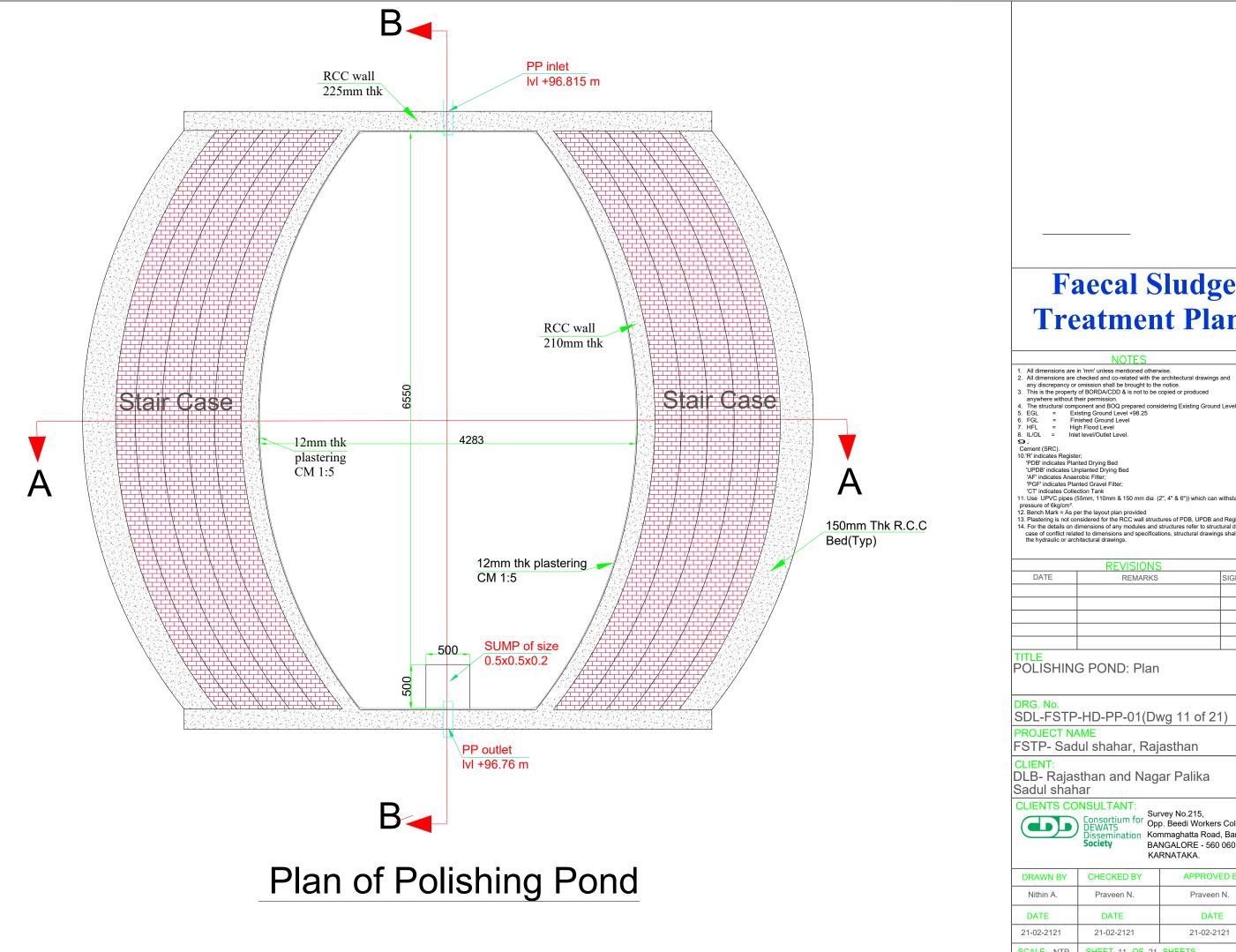
FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT



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DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 10 OF 21	SHEETS



- "PGF' indicates Planted Gravel Fitter;
 "CT' indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall superseed the hydraulic or architectural drawings.

REVISIONS		
DATE	REMARKS	SIGNATURE

POLISHING POND: Plan

SDL-FSTP-HD-PP-01(Dwg 11 of 21)

PROJECT NAME

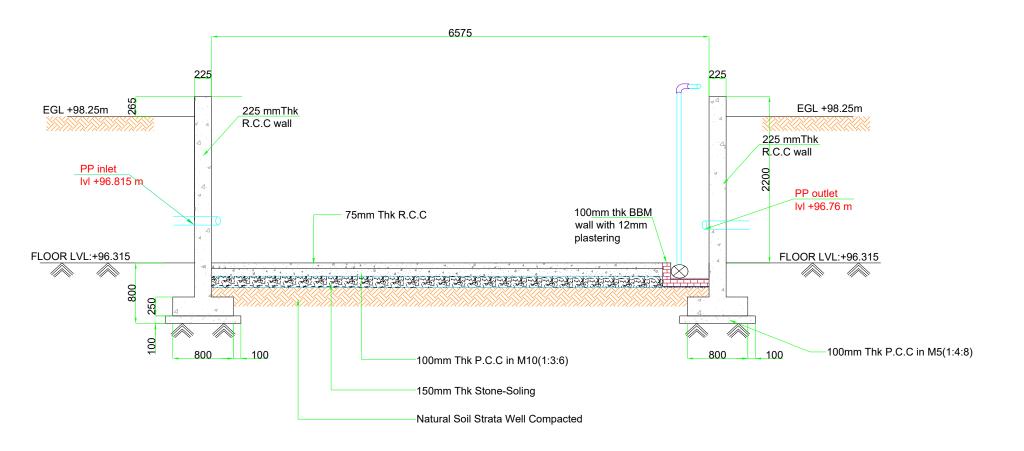
FSTP- Sadul shahar, Rajasthan

CLIENT: DLB- Rajasthan and Nagar Palika Sadul shahar

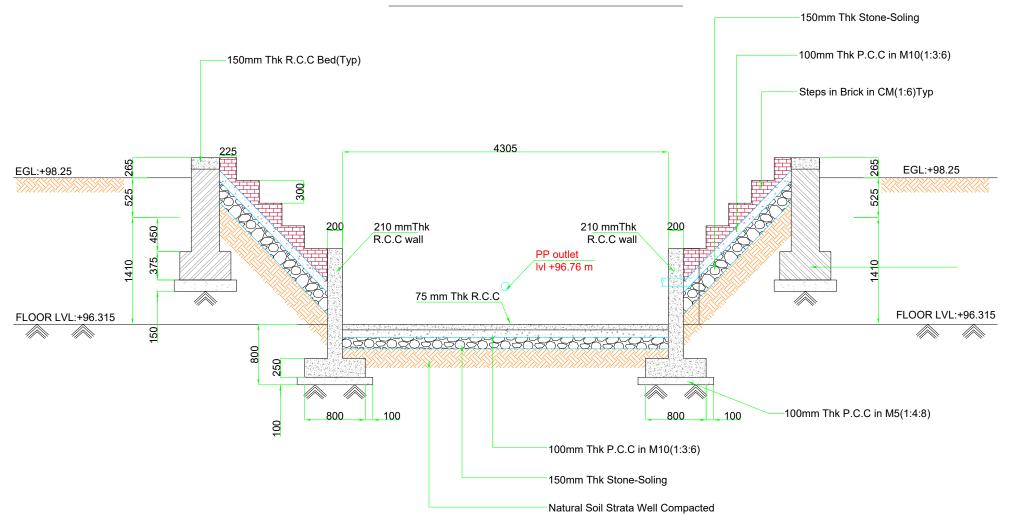
CLIENTS CONSULTANT:



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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NITD	SHEET 11 OF 21	QUEETQ



Cross Section of B-B



Cross Section of A-A

Faecal Sludge Treatment Plant

- All dimensions are in 'mm' unless mentioned otherwise.
 All dimensions are checked and co-related with the architectural drawings and 2. All dimensions are checked and co-related with the architectural drawings and any discrepancy or omission shall be brought to the notice.

 3. This is the property of BORDA/CDD & is not to be copied or produced anywhere without their permission.

 4. The structural component and BOQ prepared considering Existing Ground Level (+98.25)

 5. EGL = Existing Ground Level +98.25

 6. FGL = Finished Ground Level

 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

 9. Cement (SRC).

 10.'R' indicates Register;

 'PDB' indicates Planted Drying Bed

 'UPDB' indicates Valented Drying Bed

 'YF' indicates Anaerobic Filter;

 "PGF' indicates Naerobic Filter;

 "PGF' indicates Naerobic Filter;

 "PGF' indicates Naerobic Filter;

- 'AF' indicates Anaerobic Filter;
 'PGF' indicates Planted Gravel Filter;
 'CT' indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall superseed the hydraulic or architectural drawings.

REVISIONS DATE REMARKS SIGNATURE

POLISHING POND: Sections AA and BB

SDL-FSTP-HD-PP-02(Dwg 12 of 21)

PROJECT NAME

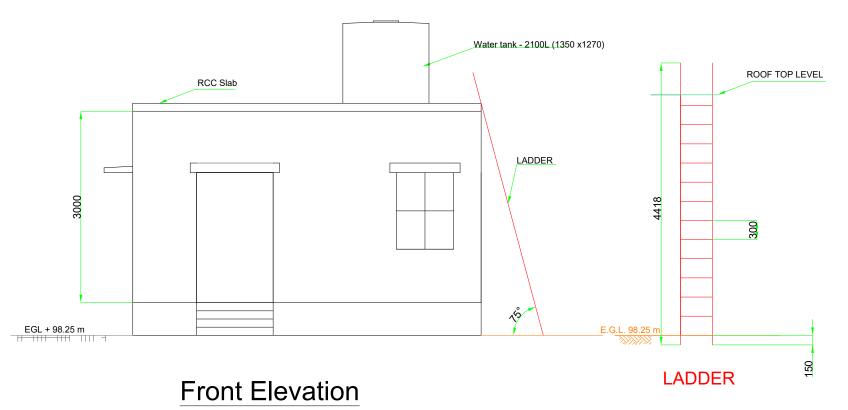
FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

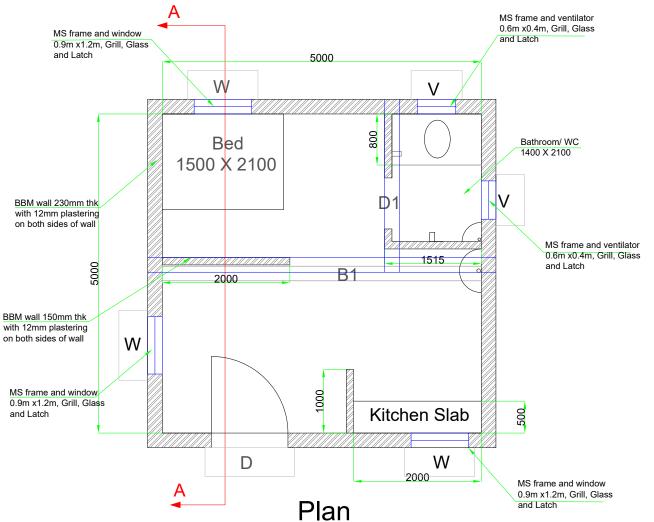
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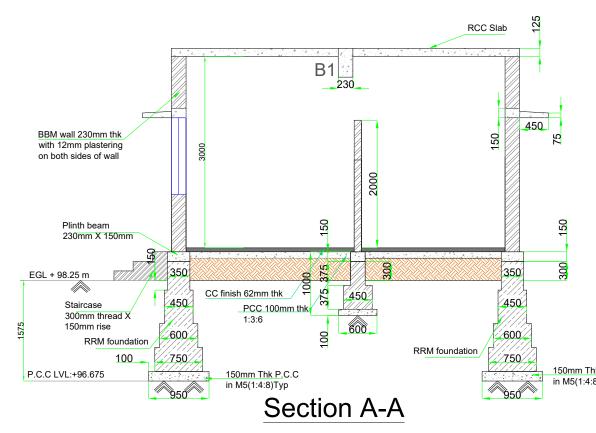


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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 12 OF 21	SHEETS



D- Door - 1210 X 2100 D1- Bathroom door - 800 X 2100 W- Window - 900 X 1210 V- Ventilator- 600 X 400 (500 mm below bottom of the roof)





Faecal Sludge Treatment Plant

NOTES

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 All dimensions are checked and co-related with the architectural drawings and any discrepancy or omission shall be brought to the notice.
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- anywhere without their permission.

 The structural component and BOQ prepared considering Existing Ground Level (+98.25)
- Fig. 1. F

- 8. IL/OL = Inlet level/Outlet Level.

 Cement (SRC).

 10.R' indicates Register;

 "PDB' indicates Planted Drying Bed

 "UPDB' indicates Unplanted Drying Bed

 "AF indicates Nareorbio Filter;

 "PGF' indicates Planted Gravel Filter;

 "CT' indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of Kin/cm² pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers
- 14. For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall supersee the hydraulic or architectural drawings.

REVISIONS

DATE	REMARKS	SIGNATURE

OPERATOR ROOM: Elevation, Sections and Plan

DRG. No.

SDL-FSTP-OR-01(Dwg 13 of 21)

PROJECT NAME

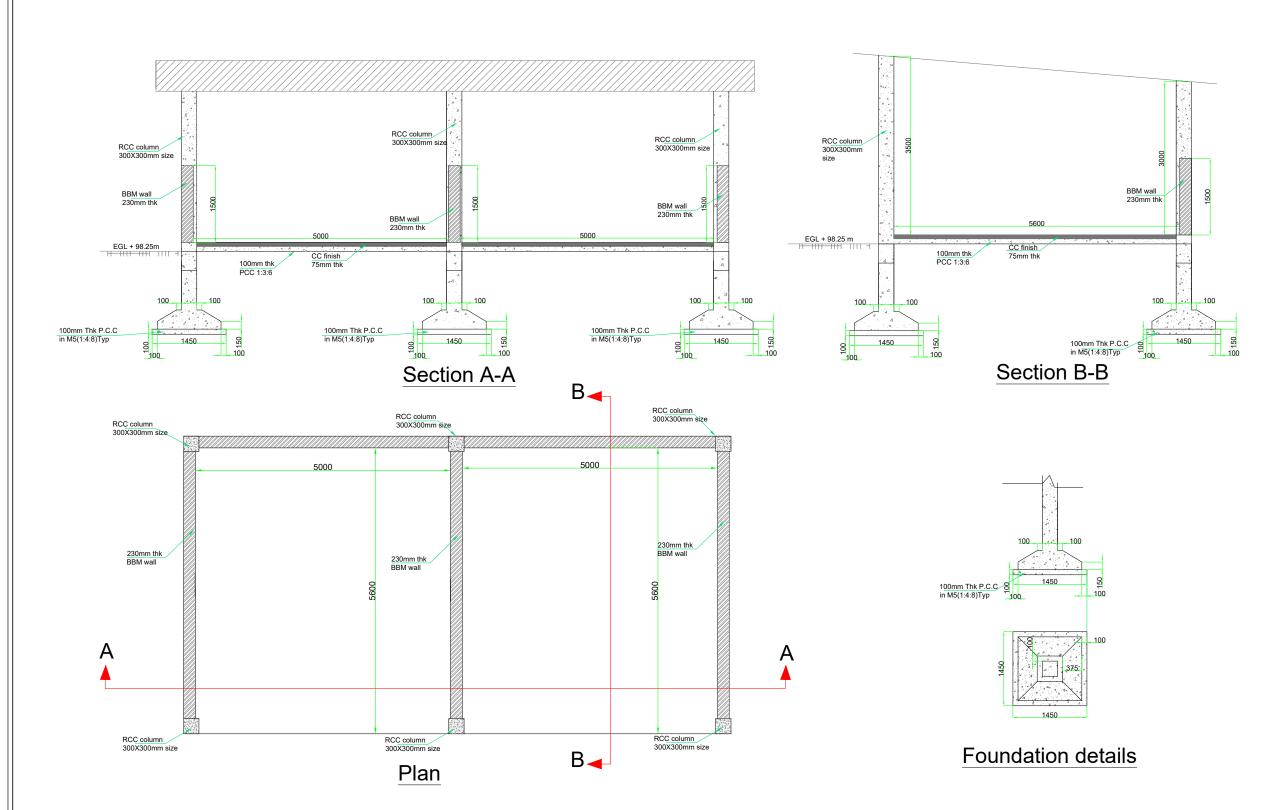
FSTP- Sadul shahar, Rajasthan

CLIENT: DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT:



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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 13 OF 21	SHEETS



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 5. EG. = Existing Ground Level +98.25
 6. FGL = Finished Ground Level
 7. HFL = High Flood Level
 8. IL/OL = Inlet level/Outlet Level.
 9.

- 17. hr. high rivout Ever |
 18. IL/OL = Inlet level/Outlet Level.

 9. |
 10. R' indicates Register;
 PDB' indicates Planted Drying Bed
 "UPDB' indicates Planted Drying Bed
 "AF indicates Unplanted Drying Bed
 "AF indicates Anaerobic Filter;
 "PGF' indicates Planted Gravel Filter;
 "CT' indicates Collection Tank
 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of Kg/cm".
 12. Bench Mark = As per the layout plan provided
 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers
 14. For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall superseed the hydraulic or architectural drawings.

REVISIONS DATE SIGNATURE REMARKS

TITLE SLUDGE STORAGE YARD: Sections, Plan and foundation details

DRG. No.

SDL-FSTP-CD-SSY-01(Dwg 15 of 21)

PROJECT NAME

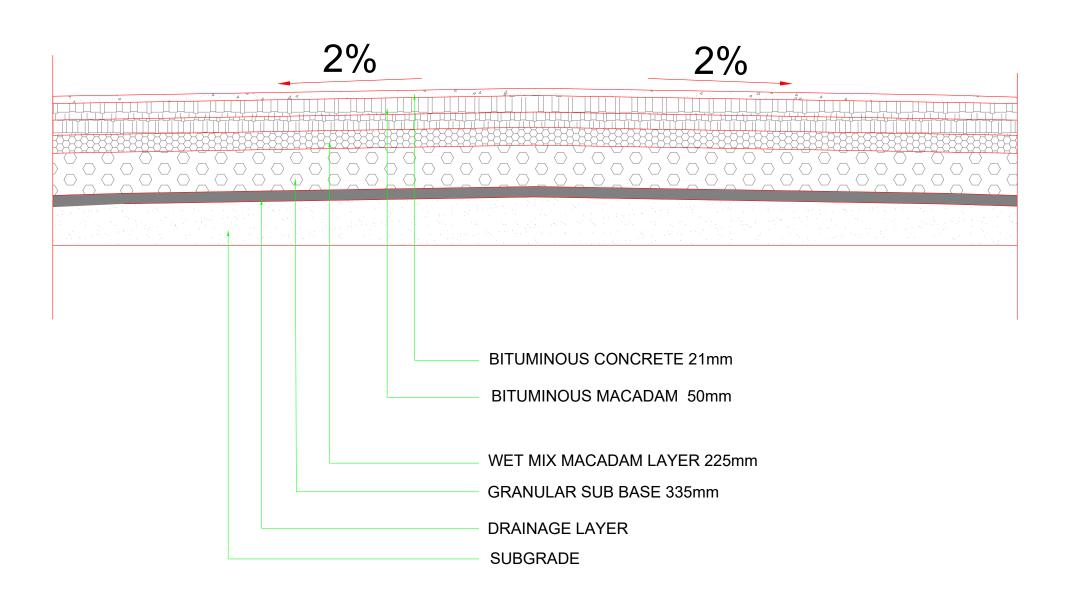
FSTP- Sadul shahar, Rajasthan

CLIENT: DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT:



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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NITD	SHEET 14 OF 21	QUEETQ



NOTES

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 4. The structural component and BOQ prepared considering Existing Ground Level (+98.25)
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 6. FGL = Finished Ground Level +98.25
 6. FGL = Finished Ground Level
 7. HFL = High Flood Level
 8. IL/OL = Inlet level/Outlet Level.
 9. Cement (SRC).
 10.'R' indicates Register;
 PDB' indicates Planted Drying Bed
 'UPDB' indicates Naerobic Filter;
 'PGF' indicates Anaerobic Filter;
 'GT' indicates Collection Tank
 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².
 12. Bench Mark = As per the layout plan provided
 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers
 14. For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall superseed the hydraulic or architectural drawings.

REVISIONS DATE SIGNATURE REMARKS

TITLE
BITUMINOUS ROAD: Typical Section

DRG. No.

SDL-FSTP-CD-RD-01(Dwg 16 of 21)

PROJECT NAME

FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

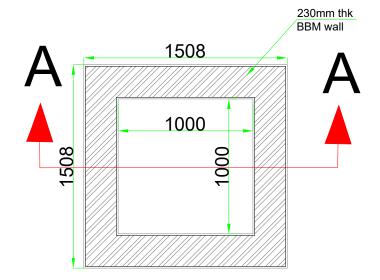
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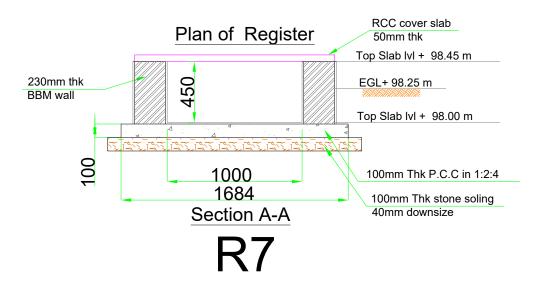


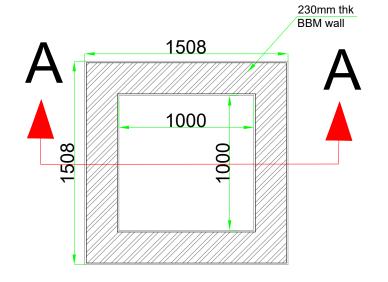
Survey No.215, Consortium for DEWATS
Dissemination
Society

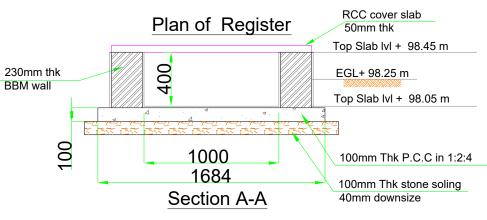
Survey No.215,
Opp. Beedi Workers Colony,
Kommaghatta Road, Bandemath
BANGALORE - 560 060 KARNATAKA.

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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121
SCALE: NTP	SHEET 15 OF 21	SHEETS









R8 & R9

Faecal Sludge Treatment Plant

NOTES

- All dimensions are in 'mm' unless mentioned otherwise.
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 3. This is the property of BORDA/CDD & is not to be copied or produced anywhere without their permission.

 4. The structural component and BOO prepared considering Existing Groud

 5. EGL = Existing Ground Level +98.25

 6. FGL = Finished Ground Level

 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

 9. Cement (SRC).

 10. 'R' indicates Register;

 "PDB' indicates Planted Drying Bed

 "LPDB' indicates Unplanted Drying Bed
 "LPDB' indicates Unplanted Drying Bed
 "AF' indicates Planted Gravel Filter;

 "PGF' indicates Planted Gravel Filter;

 "CT' indicates Collection Tank
- "CF" indicates Planted Gravel Filter;
 "CT indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

- For the details on dimensions of any modules and structures refer to structural drawings. In case of conflict related to dimensions and specifications, structural drawings shall superseed the hydraulic or architectural drawings.

REVISIONS DATE REMARKS SIGNATURE

REGISTERS: Sections

SDL-FSTP-CD-REG-01(Dwg 17 of 21)

PROJECT NAME

FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT



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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
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CCALE: NTD	SHEET 16 OF 21	CHEETO

TOTAL WALL LENGTH: 173m 300 2000 SBM wall 300mm thk with 12mm plastering on both side EGL +98.25 300 950 **RRM** Foundation 450 1:3:6 PCC 150mm thk 600 750 300mm thk 40mm down size soling

Faecal Sludge Treatment Plant

- NOTES

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 2. All dimensions are checked and co-related with the architectural drawings and any discrepancy or omission shall be brought to the notice.

 3. This is the property of BORDA/CDD & is not to be copied or produced anywhere without their permission.

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 5. EGL = Existing Ground Level +98.25

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 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

 9. Cement (SRC).

 10. R' Indicates Register;

 "PDB" indicates Ranted Drying Bed

 'UPDB" indicates Planted Drying Bed

 'AF' Indicates Anaerobic Filter;

 "CT' Indicates Collection Tank

 11. Use UPVC pipes (S6mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm".

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures effort to structurel drawings. In Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers
 For the details on dimensions of any modules and structures refer to structural drawings. case of conflict related to dimensions and specifications, structural drawings shall superse the hydraulic or architectural drawings.

REVISIONS DATE SIGNATURE REMARKS

TITLE COMPOUND WALL: Section

SDL-FSTP-CD-CW-01(Dwg 18 of 21)

PROJECT NAME

FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT:

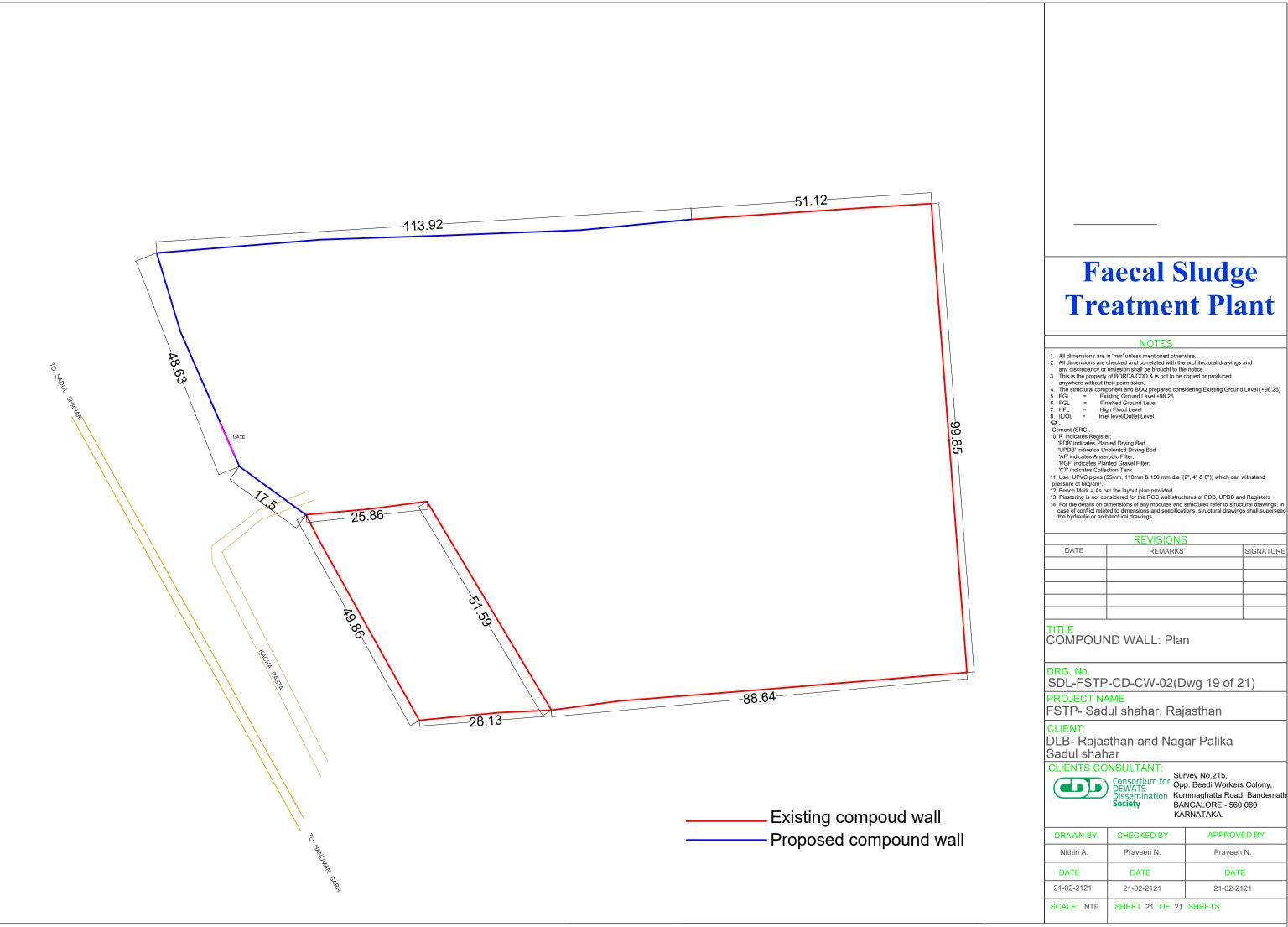


Survey No.215, Consortium for DEWATS
Dissemination Society

Survey No.215,
Opp. Beedi Workers Colony,
Kommaghatta Road, Bandem
BANGALORE - 560 060 Kommaghatta Road, Bandema BANGALORE - 560 060 KARNATAKA.

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Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121

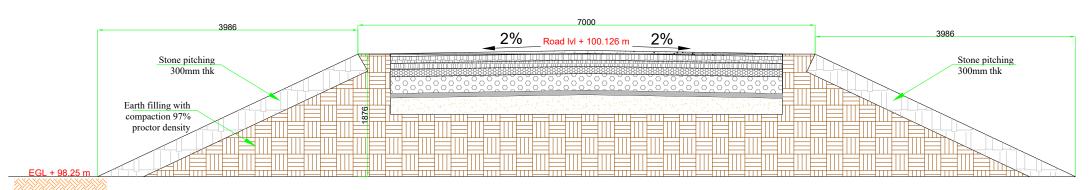
SCALE: NTP | SHEET 21 OF 21 SHEETS



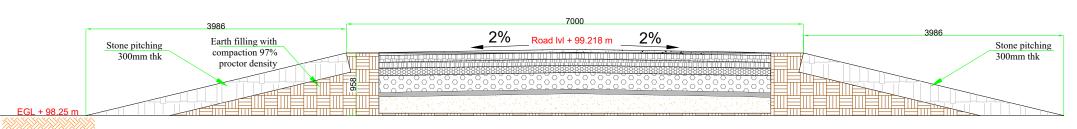
DATE	REMARKS	SIGNATURE

Kommaghatta Road, Bandemath BANGALORE - 560 060 KARNATAKA.

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Nithin A.	Praveen N.	Praveen N.		
DATE	DATE	DATE		
21-02-2121	21-02-2121	21-02-2121		
00415 155	OUEET OF OF OUEETO			



Cross Section of Ramp at Summit



Cross Section of Ramp at half way to summit

Faecal Sludge Treatment Plant

NOTES

- NOTES

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 2. All dimensions are checked and co-related with the architectural drawings and any discrepancy or omission shall be brought to the notice.

 3. This is the property of BORDA/CDD & is not to be copied or produced anywhere without their permission.

 4. The structural component and BOQ prepared considering Existing Ground Level (+98.25)

 5. EGL = Existing Ground Level +98.25

 6. FGL = Finished Ground Level

 7. HFL = High Flood Level

 8. IL/OL = Inlet level/Outlet Level.

 9. Cement (SRC).

 10.'R' indicates Register;

 'PDB' indicates Planted Drying Bed

 'UPDB' indicates Vaner Drying Bed

 'UPDB' indicates Vaner Drying Bed

 'AF' indicates Anaerobic Filter;

 "CF' indicates Collection Tank

 11. Use UPVC pipes (55mm, 110mm & 150 mm dia (2", 4" & 6")) which can withstand pressure of 6kg/cm².
- 11. Use CPVC Pipes (SIIIIII, FIORIIII) at 190 IIIII utal 2, 4 & 0)) which can withstain pressure of fikg/cm².

 12. Bench Mark = As per the layout plan provided

 13. Plastering is not considered for the RCC wall structures of PDB, UPDB and Registers

 14. For the details on dimensions of any modules and structures refer to structural drawings. It case of conflict related to dimensions and specifications, structural drawings shall supersee the hydraulic or architectural drawings.

REVISIONS DATE SIGNATURE REMARKS

TITLE RAMP EMBANKMENT: Sections

SDL-FSTP-CD-EMB-01(Dwg 20 of 21)

PROJECT NAME

FSTP- Sadul shahar, Rajasthan

DLB- Rajasthan and Nagar Palika Sadul shahar

CLIENTS CONSULTANT:



Survey No.215, Consortium for Opp. Beedi Workers Colony, Dissemination Kommaghatta Road, Banderr Kommaghatta Road, Bandemat BANGALORE - 560 060 KARNATAKA.

DRAWN BY	CHECKED BY	APPROVED BY
Nithin A.	Praveen N.	Praveen N.
DATE	DATE	DATE
21-02-2121	21-02-2121	21-02-2121

SCALE: NTP | SHEET 21 OF 21 SHEETS

