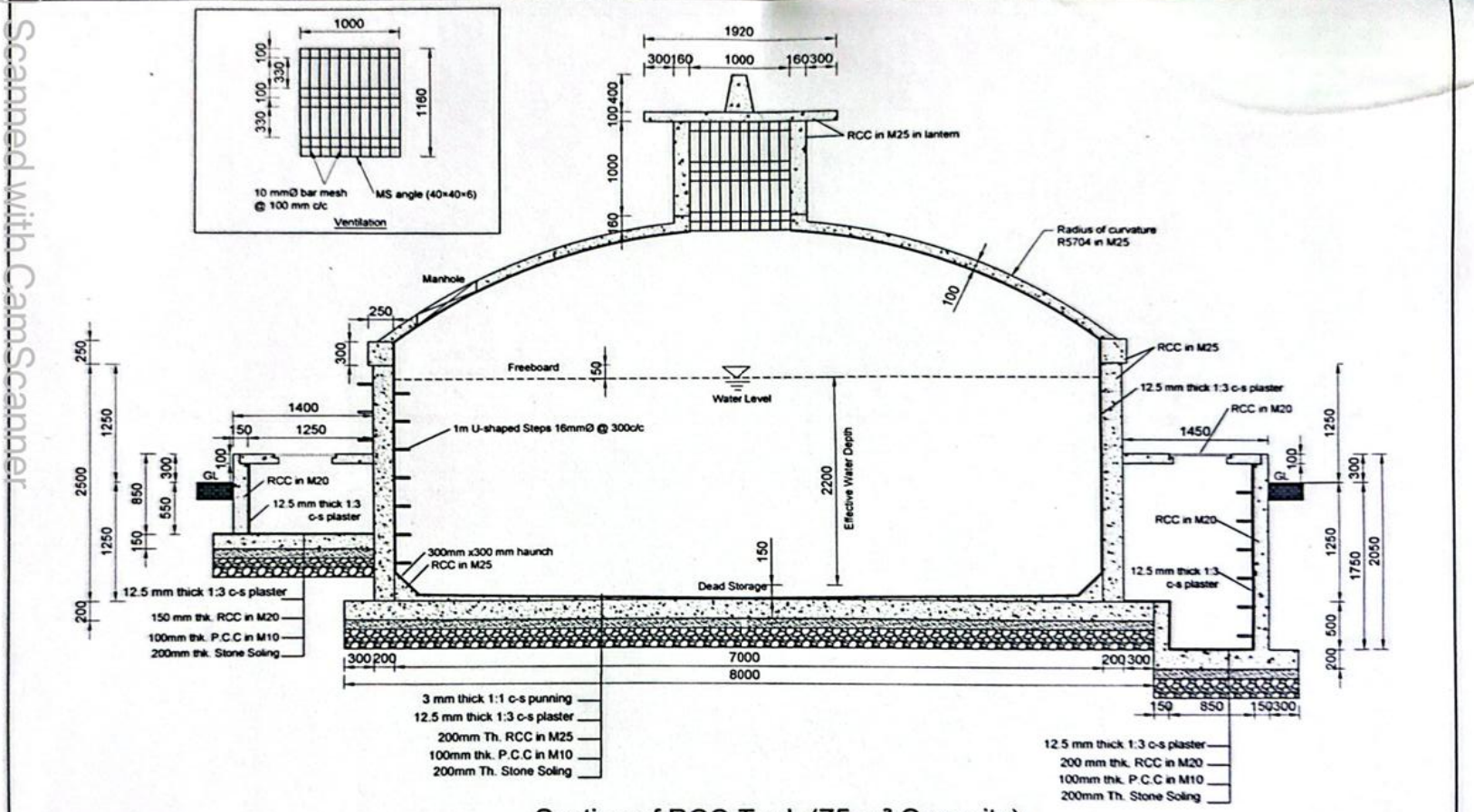
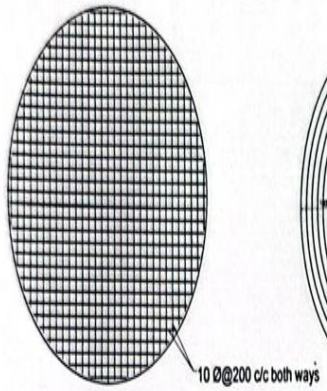
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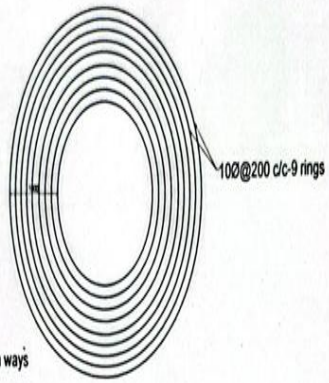
Section of RCC Tank (75 m³ Capacity)

NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE: 2082/83
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT CLIMATE RESILIENT LARGE WATER SUPPLY PROJECT, PANIPOKHARI, KATHMANDU	GEOCON-SES-SIP JV, Bhaktapur	Ashtale na.pa. 1-4 and Dulle na.pa. 10 Wrd, Dolakh		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	SEMI UNDERGROUND WATER TANK WITH DOME (75m3)	DRG NO: 11.6 SHEET NO: 3/9



First and second reinforcement

Base Slab Reinforcement



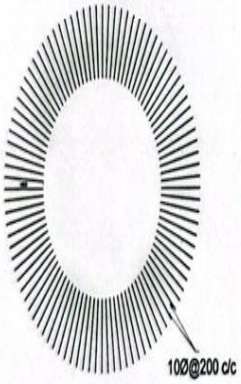
3rd: circumferential main reinforcement

Base Slab Reinforcement



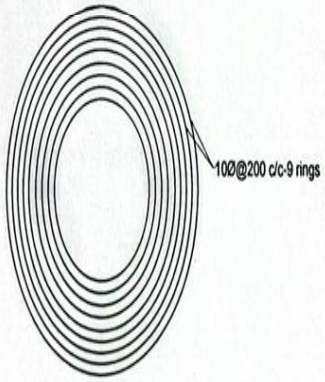
4th: distribution bars for circumferential reinforcement

Base Slab Reinforcement



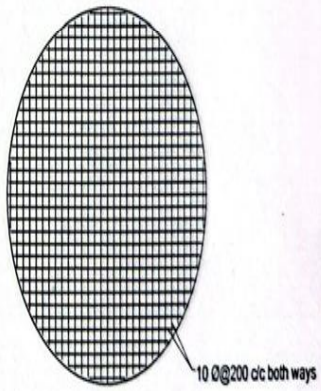
5th: distribution bars for circumferential reinforcement

Base Slab Reinforcement



6th: circumferential main reinforcement

Base Slab Reinforcement



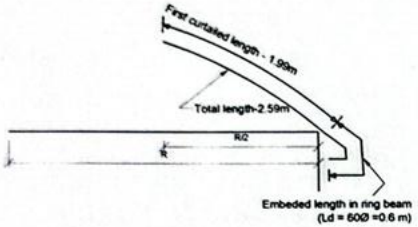
7th & 8th reinforcement

Base Slab Reinforcement

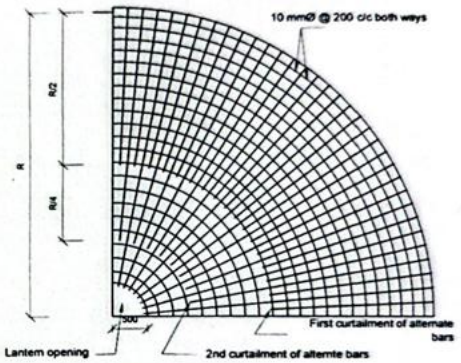
Base Slab Reinforcement for 75 m³

NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE 2062/63
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE (MANAGEMENT) CLIMATE RESILIENT LARGE WATER SUPPLY PROJECT, PHAPHAMAU, [illegible]	GUSSOM-DES-SAP JV, Dhulikhel	Address no.pc. 1-4 and Delhi no.pc. 10 Bhg, Dolakha		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	50M UNDERGROUND WATER TANK WITH ZONE (75m3)	DRG NO: 11.8 SHEET NO : 7/9

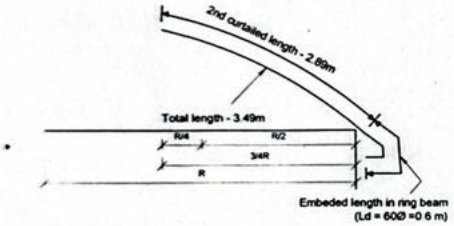
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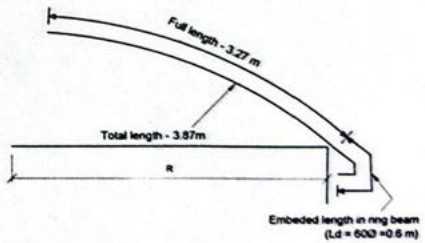
Meridional Reinforcement
First curtailment



Curtailment of
Meridional Reinforcement



Meridional Reinforcement
Second curtailment



Meridional Reinforcement
Full Length

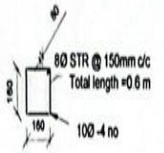
Meridional Reinforcement Details (75 m³ Capacity)

NAME OF CLIENT :	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY :	SCALE	STRUCTURE NAME :	DATE : 2082/83
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT CLIMATE RESILIENT LARGE WATER SUPPLY PROJECT, PANIPOKHARI, KATHMANDU	GEOCON-SES-SAP JV, Bhaktapur	Ambika na.pa. 1-4 and Dudu na.pa. 10 Wrp, Dolakh		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	SEMI UNDERGROUND WATER TANK WITH DOME (75m3)	DRG NO : 11.6 SHEET NO : 8/9

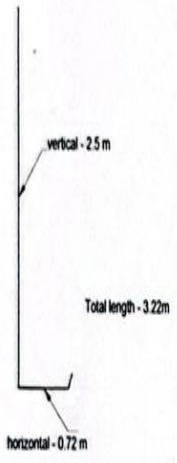
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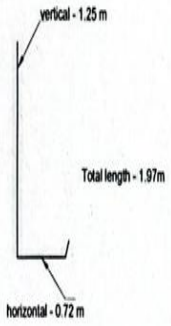
Stirrups for lower ring beam



Stirrups for upper ring beam



Vertical Reinforcement for Wall (V2)



Vertical curtailed Reinforcement for Wall (V1)

1. ALL DIMENSIONS AND LEVEL ARE IN MILLIMETER UNLESS NOTED OTHERWISE
   ALL DIMENSIONS NEED TO BE VERIFIED ON SITE AND APPROVED BY THE ENGINEER
2. GRADE OF CONCRETE MIX SHALL BE M-25 FOR BASE, SHEAR WALL,
   RING BEAM, DOME, LANTERN FOR TANK UNLESS NOTED OTHERWISE CONFORMING TO IS 456:2000
3. REINFORCEMENT SHALL BE HIGH STRENGTH DEFORMED BARS OF GRADE Fe500
4. GRADE OF CONCRETE MIX SHALL BE M-20 FOR INLET & OUTLET VALVE CHAMBER

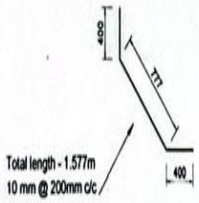
CLEAR COVERS TO REINFORCEMENT:

CLEAR COVER FOR TANK
- a. BASE SLAB: 50mm
- b. SHEAR WALL: 30mm
- c. LOWER RING BEAM: 30mm
- d. DOME: 25mm
- e. UPPER RING BEAM: 25mm
- f. HUNCHES: 50mm
- g. LANTERN SLAB: 25mm
- h. LANTERN COLUMN: 25mm

CLEAR COVER FOR CHAMBER (INFLOW/OUTFLOW):
- a. BASE SLAB: 30mm
- b. SHEAR WALL: 30mm
- c. TOP SLAB: 30mm

2. DEVELOPMENT/LAP LENGTH (Ld) FOR REINFORCEMENT
   - a. MERIDIONAL REINFORCEMENT (Embedded length in ring beam): 60Ø
   - b. VERTICAL REINFORCEMENT FOR WALL(Embedded length in base slab): 60Ø
   - c. NEGATIVE REINFORCEMENT (Along the meridion at top surface): 1500mm
   - d. HUNCHES: 400mm
   - e. HOOP BARS: 1.4*60*Ø

5. ANCHORAGE LENGTH:
   - a. 45 Deg BEND: 4Ø
   - b. 90 Deg BEND: 8Ø

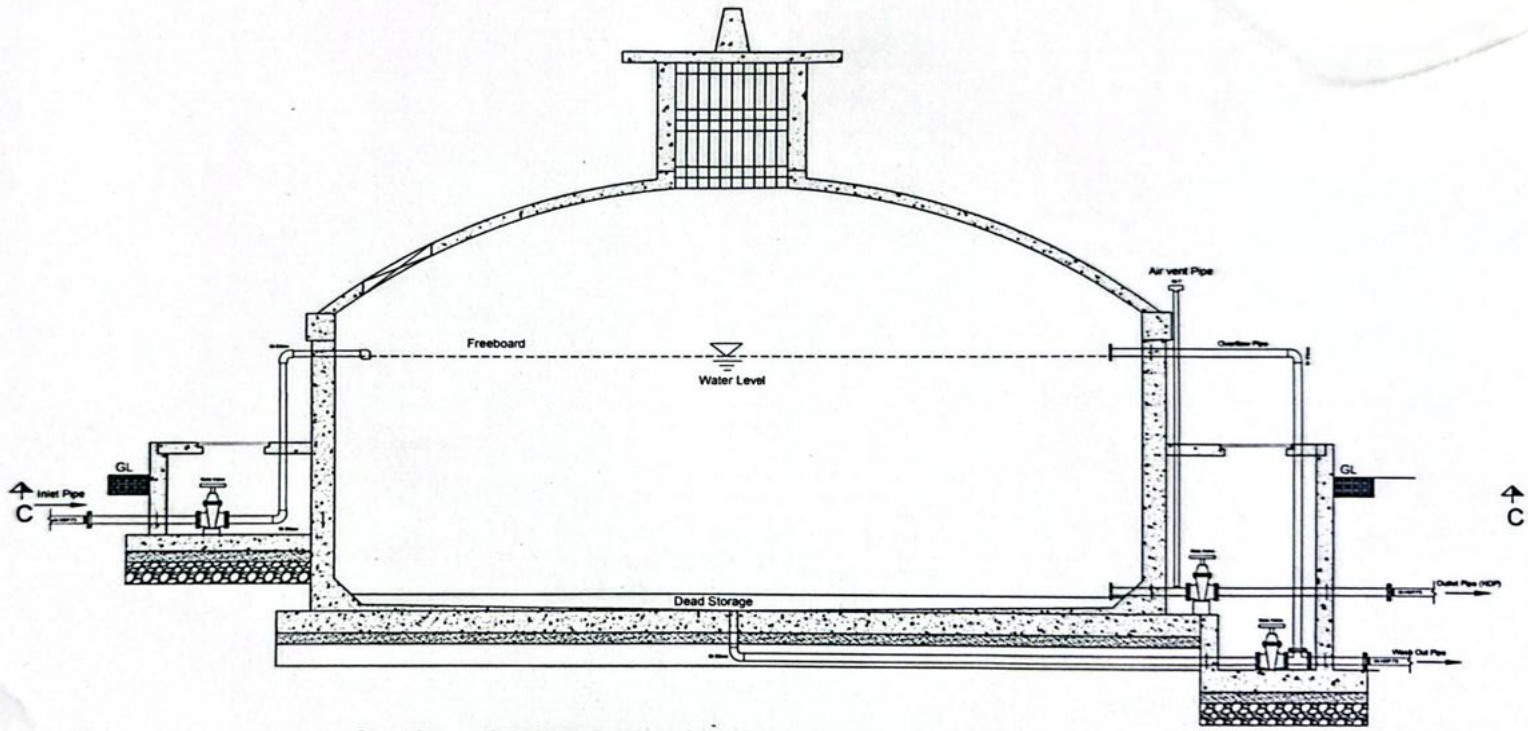


Haunches 300mm*300mm

NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE : 2082/83
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT CLIMATE RESILIENT LARGE WATER SUPPLY PROJECT, PANCHKHAL, [illegible]	GEOCON-SOS-SAP JV, Bhaktapur	Address as per 1-4 and Duke as per 10 Dhp, Dolakh		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	50m UNDERGROUND WATER TANK WITH ZONE (Tank)	DRG NO: 11.6 SHEET NO: 6/9

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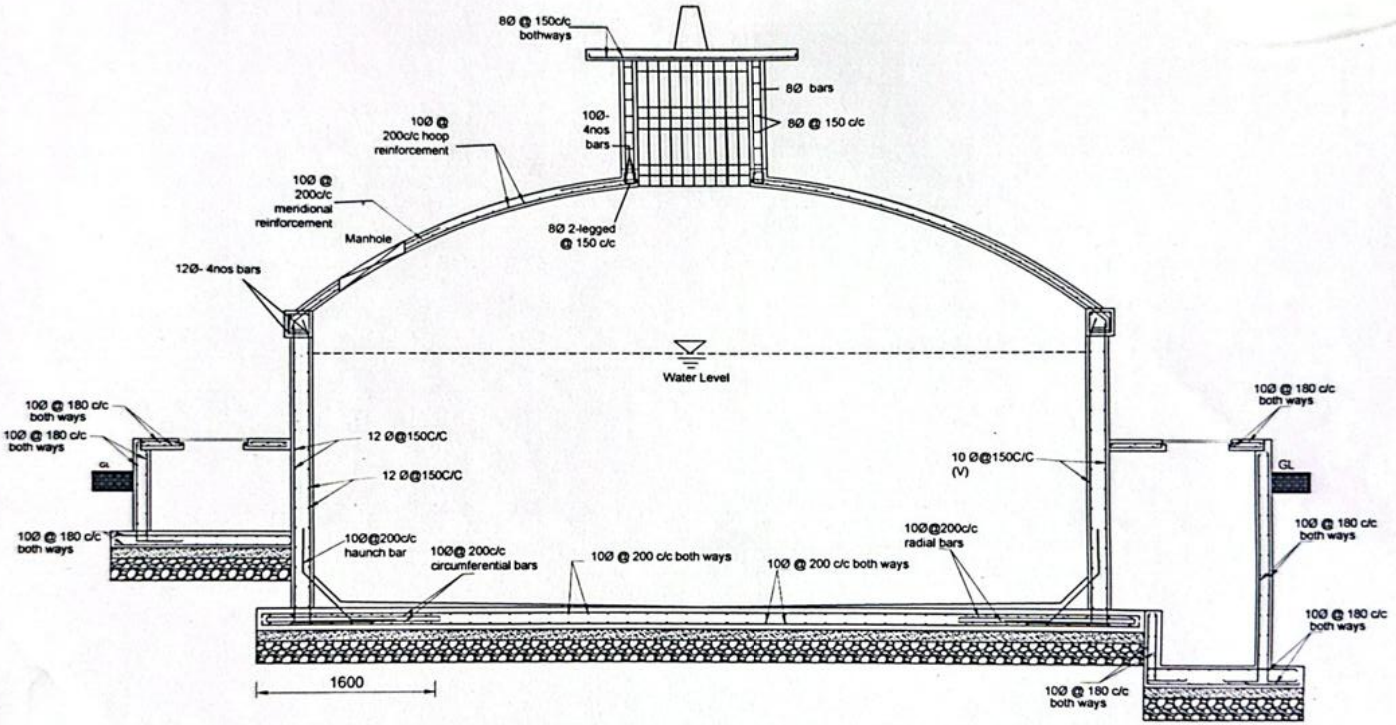
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Section of RCC Tank with pipes & fittings (75 m³ Capacity)

NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE : 2082/83
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT CLIMATE RESILIENT LARGE WATER SUPPLY PROJECT, PANPOKHARI, KARNAKU	GEOCOM-SES-SAP JV, Bhaktapur	Ashbin ns.pa. 1-4 and Dulu ns.pa. 10 Wrp, Dolakh		DRAWN BY CHECKED BY APPROVED BY	Not in Scale	SEMI UNDERGROUND WATER TANK WITH DOME (75m3)	DRG NO 11.6 SHEET NO 5/9

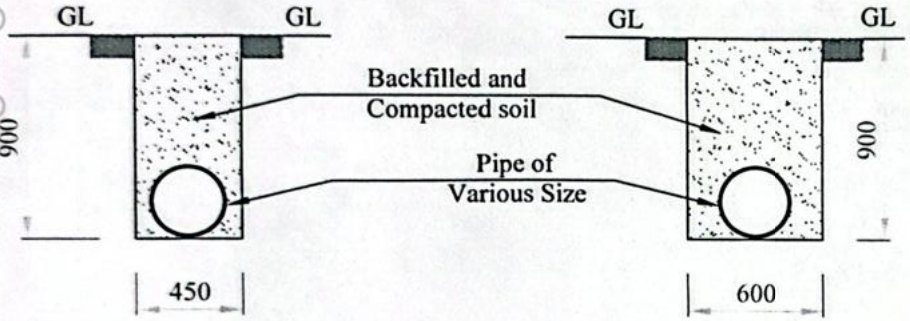
Scanned with CamScanner



Reinforcement Details & Fittings Arrangement (75 m³ Capacity)

NAME OF CLIENT:	NAME OF CONSULTANT:	NAME OF PROJECT:	SIGNATURE	DESIGNED BY	SCALE:	STRUCTURE NAME:	DATE: 2082/83
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT CLIMATE RESILIENT LARGE WATER SUPPLY PROJECT, PANIPOKHARI, KATHMANDU	GEOCON-SES-SAP JV, Bhaktapur	Architec no.ps. 1-4 and Dallu no.ps. 10 Wrp, Dailekh		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	SEMI UNDERGROUND WATER TANK WITH DOME (75m3)	DRG NO: 11 6 SHEET NO: 4/9

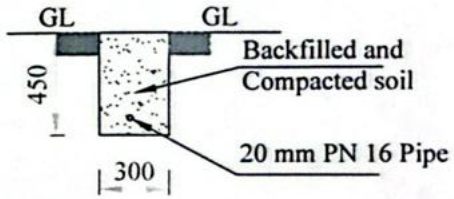
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less than 63mm dia.

more than 63mm dia

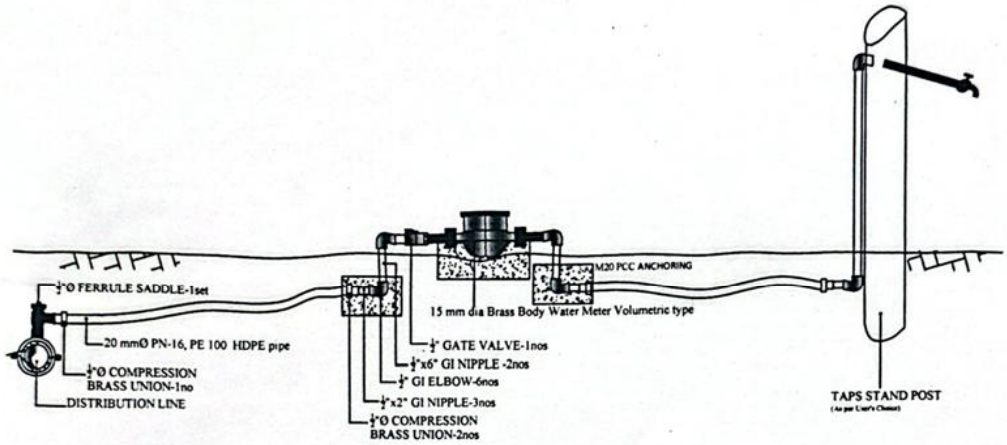
For Transmission and Distribution Lines



For House Connections

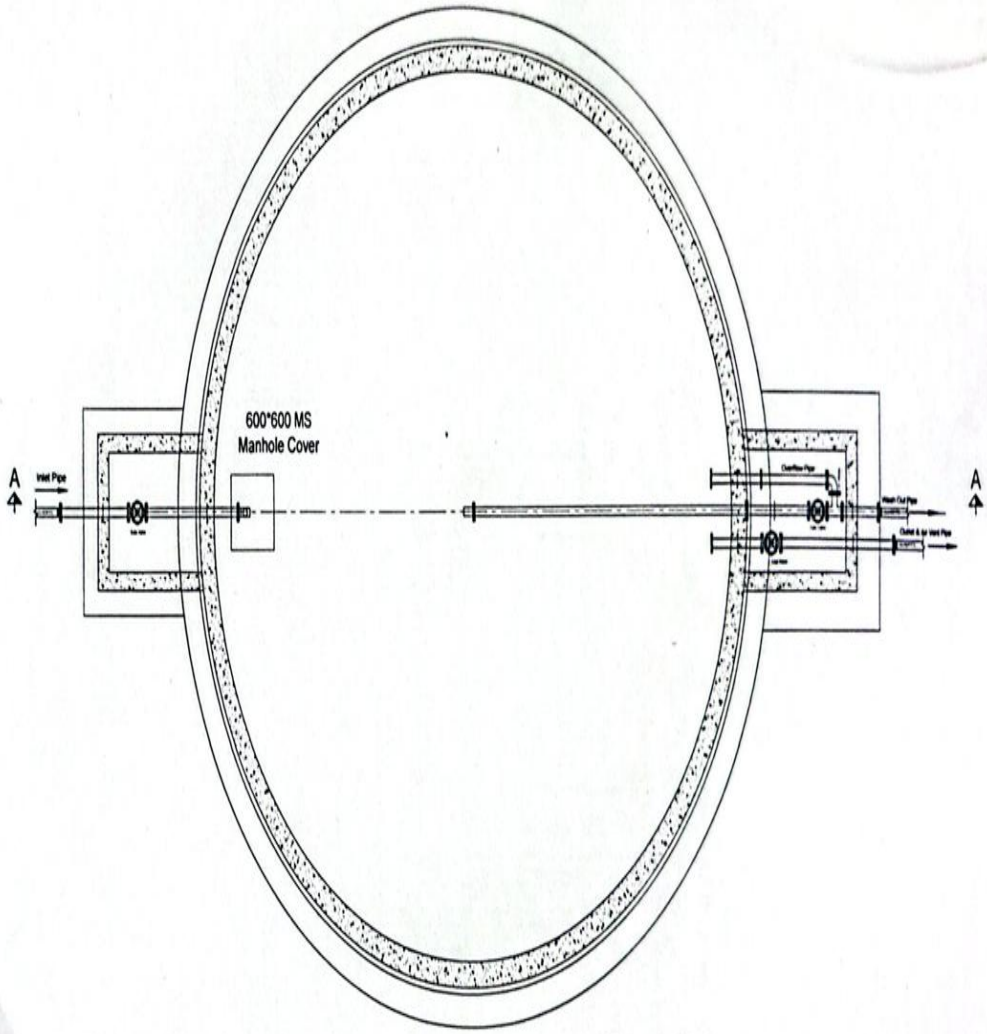
NAME OF CLIENT :	NAME OF CONSULTANT :	NAME OF PROJECT :	SIGNATURE	DESIGNED BY :	SCALE	STRUCTURE NAME :	DATE : 2082/83
[illegible]	GEOCON-SES-SHP JV, Bhaktapur	Ashtale m.p.s. 1-4 and Dalle m.p.s. 10 Mw, Dolakh		DRAWN BY :	Not to Scale	Pipeline Trench Drawing	DRG NO : 27
				CHECKED BY :			SHEET NO : 1/1
				APPROVED BY :			

PRIVATE TAP CONNECTION DETAIL



NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE
				DRAWN BY			DRG NO
				CHECKED BY	NOT TO SCALE		SHEET NO
				APPROVED BY			

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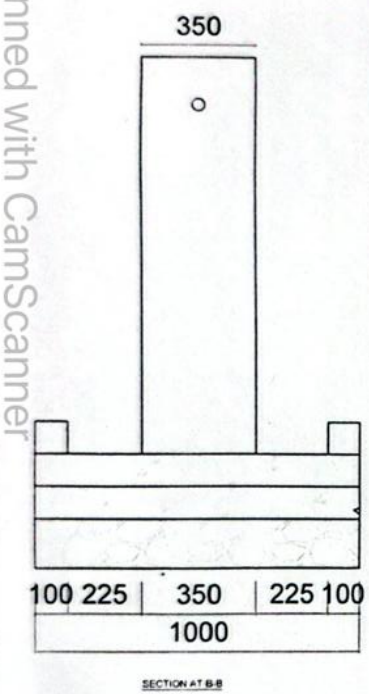


Plan of RCC Tank with pipes & fittings (75 m³ Capacity)

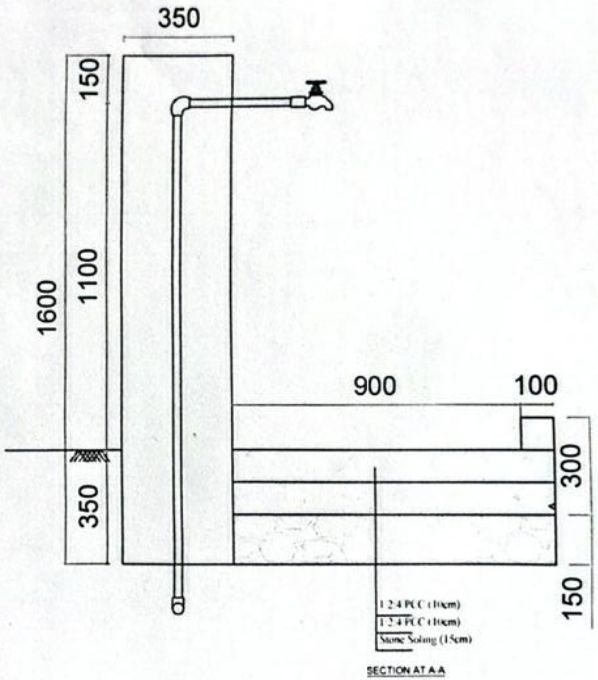
NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE 2082/03
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT [illegible] WATER SUPPLY PROJECT, PANIPOKHARI, [illegible]	GEOCON-SES-SAP JV, [illegible]	[illegible]		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	[illegible]	DRG NO 11.0 SHEET NO 2/9

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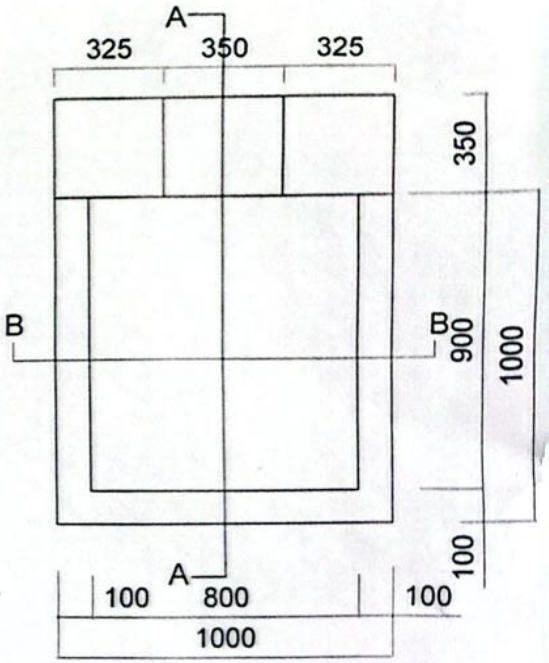
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SECTION AT B-B

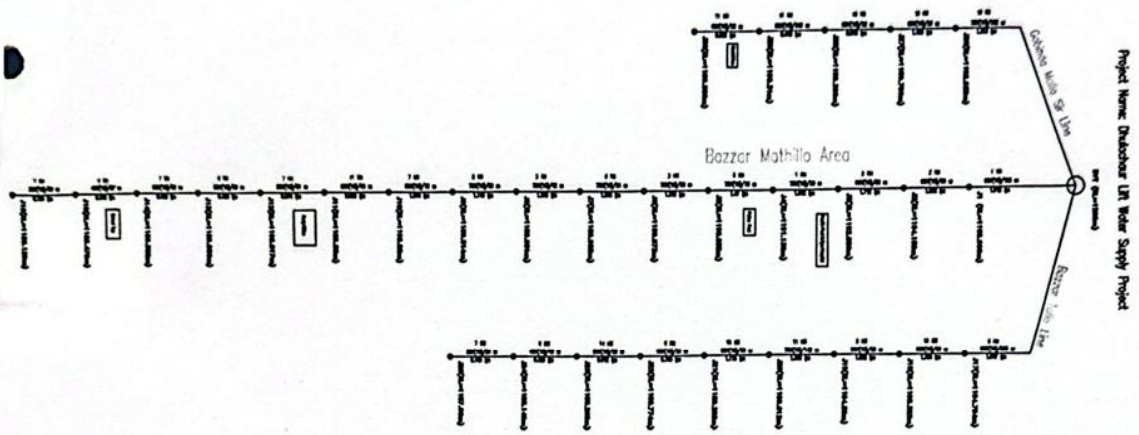


SECTION AT A-A



Plan of Tap Stand

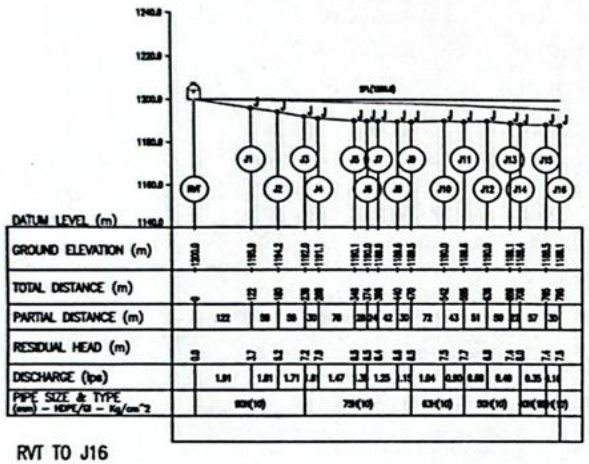
Submitted to: Water Supply and Sanitation Division no. 3 Sindhupalchok	**Tap Stand Post**	Approved By:- Design By:- Drawn By:-	Submitted by: Elisha Engineering Works and Consultancy Services Pvt. Ltd.	Fisc 20



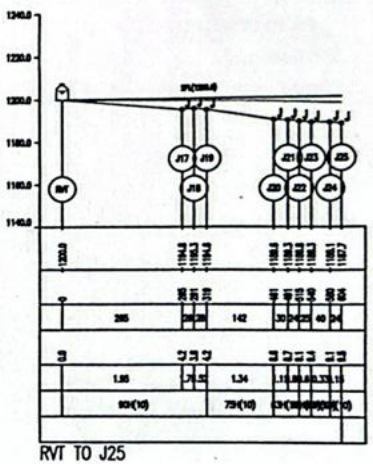
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				DRAWN BY :			
				CHECKED BY :			DRG NO :
				APPROVED BY :			SHEET NO :

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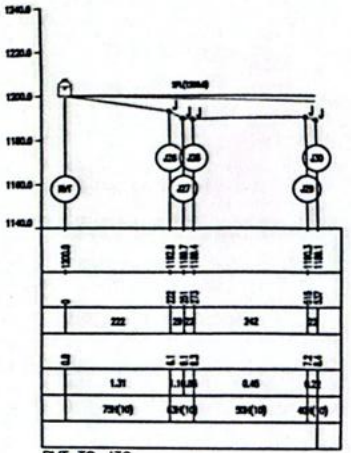
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RVT TO J16



RVT TO J25



RVT TO J30

CLIENT: Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Central Water Supply Project Project Management Office Panipokhari, Kathmandu	CONSULTANT: GEOCOM-OJHA-CEMC JV Madhyapur Thimi, Bhaktapur	TEAM LEADER	DESIGNED BY DRAWN BY	CHECKED BY APPROVED BY	Scale	PROJECT NAME: Puranchaur Sardikhola Lamachaur Water Supply Project PROJECT LOCATION: Machhapuchhre R.M. 2 & Pokhara M.N.P 19 DRAWING TITLE: Pipeline Profile	DATE Drawing SHEET

COMPONENTS	t (mm)	REINFORCEMENT	REMARKS
BASE SLAB	200		
BOTTOM STRAIGHT BARS		10 mm @ 200 mm c/c	1st and 8th layer
TOP STARIGHT BARS		10 mm @ 200 mm c/c	2nd and 7th layer
CIRCUMFERENTIAL BARS		10 mm @ 200 mm c/c	3rd and 6th layer
RADIAL BARS		10 mm @ 200 mm c/c	4th and 5th layer
TANK WALL	200		
HOOP REINFORCEMENT			
SEGMENT 1:		12 mm @ 150 mm c/c	Top (1/3)rd Height
SEGMENT 2:		12 mm @ 150 mm c/c	Middle (1/3)rd Height
SEGMENT 3:		12 mm @ 150 mm c/c	Bottom (1/3)rd Height
VERTICAL REINFORCEMENT			
SEGMENT 1:		10 mm @ 150 mm c/c	Bottom (1/2) Height
SEGMENT 2:		10 mm @ 150 mm c/c	Full Height of Wall
DOME	100		
HOOP REINFORCEMENT		10 mm @ 200 mm c/c	
MERIDIONAL REINFORCEMENT		10 mm @ 200 mm c/c	
TOP EXTRA BAR (MERIDIONAL)		10 mm @ 200 mm c/c	

BBS of RCC Tank (75 m³ Capacity)

UPPER RING BEAM	160		
STIRRUPS		8 mm @ 150 mm c/c	
MAIN BARS		4 nos -10 mm	
LOWER RING BEAM	250		
STIRRUPS		8 mm @ 150 mm c/c	
MAIN BARS		4 nos -12 mm	
COLUMN	160		
STIRRUPS		8 mm @ 150 mm c/c	
MAIN BARS		4 nos -10 mm	
LANTERN SLAB	100		
TOP AND BOTTOM BARS		8 mm @ 150 mm c/c	
CHAMBER (INLET & OUTLET)			
BASE			
TOP AND BOTTOM BARS		10 mm @ 180 mm c/c	
WALL	150		
HORIZONTAL		10 mm @ 180 mm c/c	
VERTICAL		10 mm @ 180 mm c/c	
TOP SLAB	100		
TOP AND BOTTOM BARS		10 mm @ 180 mm c/c	

NAME OF CLIENT	NAME OF CONSULTANT	NAME OF PROJECT	SIGNATURE	DESIGNED BY	SCALE	STRUCTURE NAME	DATE : 2082/83
MINISTRY OF WATER SUPPLY DEPARTMENT OF WATER SUPPLY AND SEWERAGE MANAGEMENT CLIMATE RESILIENT SAFE WATER SUPPLY PROJECT, PANPOKHARI, [illegible]	GEOCON-ECS-SAP JV, Bhaktapur	Address no.ps. 1-4 and Dolu no.ps. 10 Rng, Dolakha		DRAWN BY CHECKED BY APPROVED BY	Not to Scale	50M UNDERGROUND WATER TANK WITH DOME (75m3)	DRG NO: 116 SHEET NO: 9/9

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