

**LEGEND :**

S. NO.	SLEEVE	DESCRIPTION	LEVEL (MM) Bottom of Pipe	NOS.
1.	①	100 MM DIA. SLEEVE FOR MUNICIPAL CONNECTION	(+)0.55	2
2.	②	100 MM DIA. SLEEVE FOR BORE WELL CONNECTION	(-)0.55	3
3.	③	150 MM DIA. SLEEVE FOR FIRE BRIGADE INLET CONNECTION	(-)0.55	1
4.	④	100 MM DIA. SLEEVE FOR DRAW OUT CONNECTION	(-)0.55	1
5.	⑤	150 MM DIA. SLEEVE FOR FIRE SUCTION PIPE	(-)3.75	2
6.	⑥	100 MM DIA. SLEEVE FOR FIRE TEST LINE	(-)0.55	1
7.	⑦	100 MM DIA. SLEEVE FOR OVER FLOW TANK TO TANK	(-)0.65	2
8.	⑧	100 MM DIA. SLEEVE FOR BYPASS CONNECTION RAW TO DOMESTIC TANK	(-)3.75	2
9.	⑧	100 MM DIA. SLEEVE FOR VENT	(+)0.50	3
10.	⑨	80 MM DIA. SLEEVE FOR DRAIN OUT	(-)4.20	3
11.	⑩	100 MM DIA. SLEEVE FOR OVER FLOW TANK TO PUMP ROOM	(-)0.65	2
12.	⑪	100 MM DIA. SLEEVE FOR LEVEL CONTROLLER	(-)0.55	2
13.	⑫	80 MM DIA. SLEEVE FOR FILTER FEED PUMP SUCTION	(-)3.75	1
14.	⑬	80 MM DIA. SLEEVE FOR TREATED WATER INLET	(-)0.55	1
15.	⑭	80 MM DIA. SLEEVE FOR TREATED WATER PUMP SUCTION	(-)3.75	2
16.	⑮	80 MM DIA. SLEEVE FOR TREATED WATER SPARE	(-)3.75	1
17.	MH	MANHOLE OPENING (800 x 900 MM)		
18.	↔	NON RETURN VALVE		
19.	✂	BUTTERFLY VALVE		
20.	⌋	Y-TYPE STRAINER		
21.	⌋	EXPANSION JOINT (BELLOW)		
22.	⌋	REDUCER		
23.	⊙	PRESSURE GAUGE		
24.	PV	PRESSURE VESSEL		
25.		BOTTOM OF TANK	(-)4.20	
26.		WATER LVL.	(-)0.65	
27.		TOP OF SLAB (TANK)	(+)1.35	

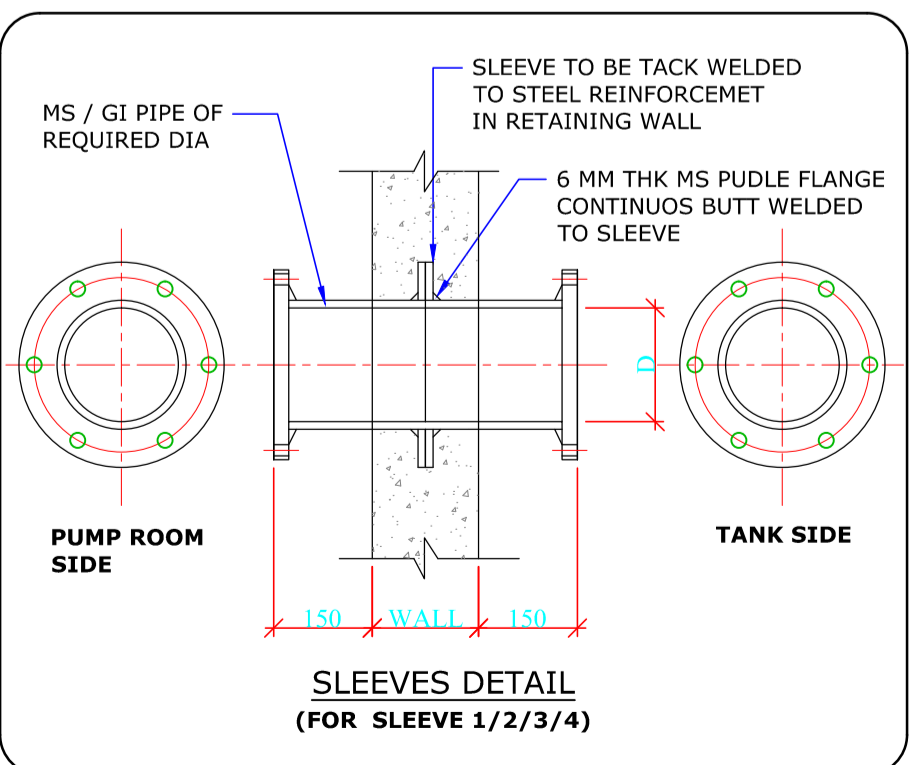
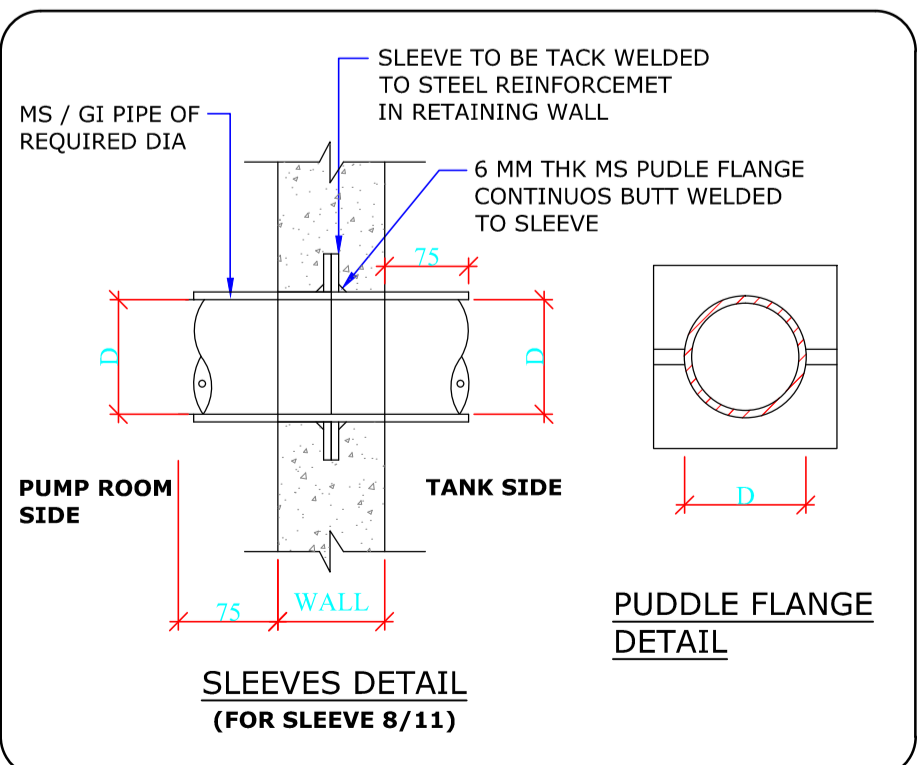
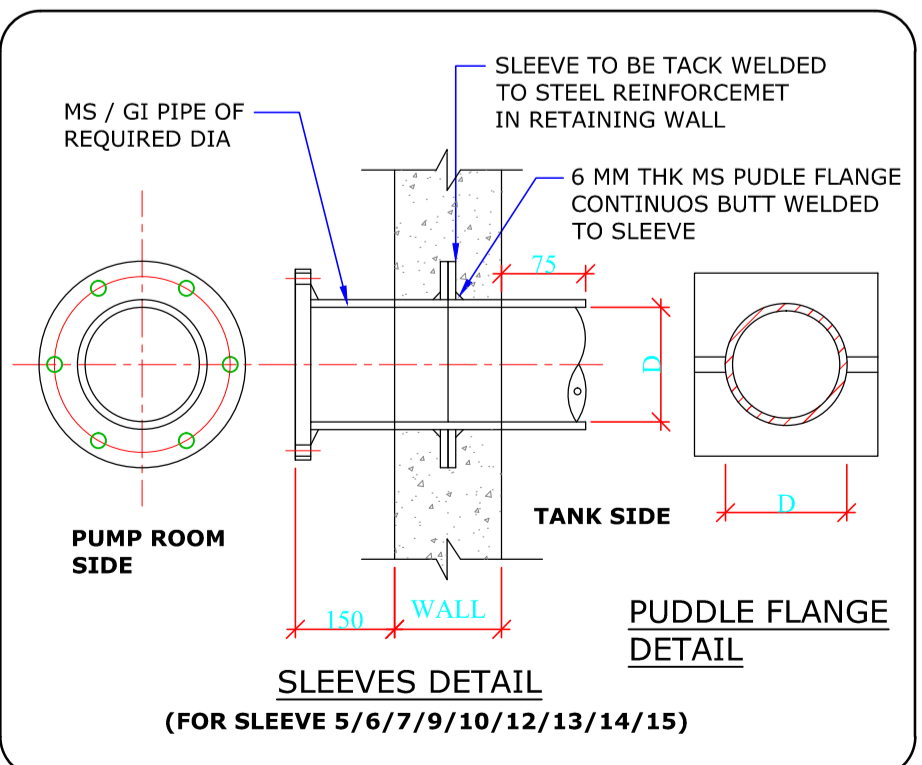
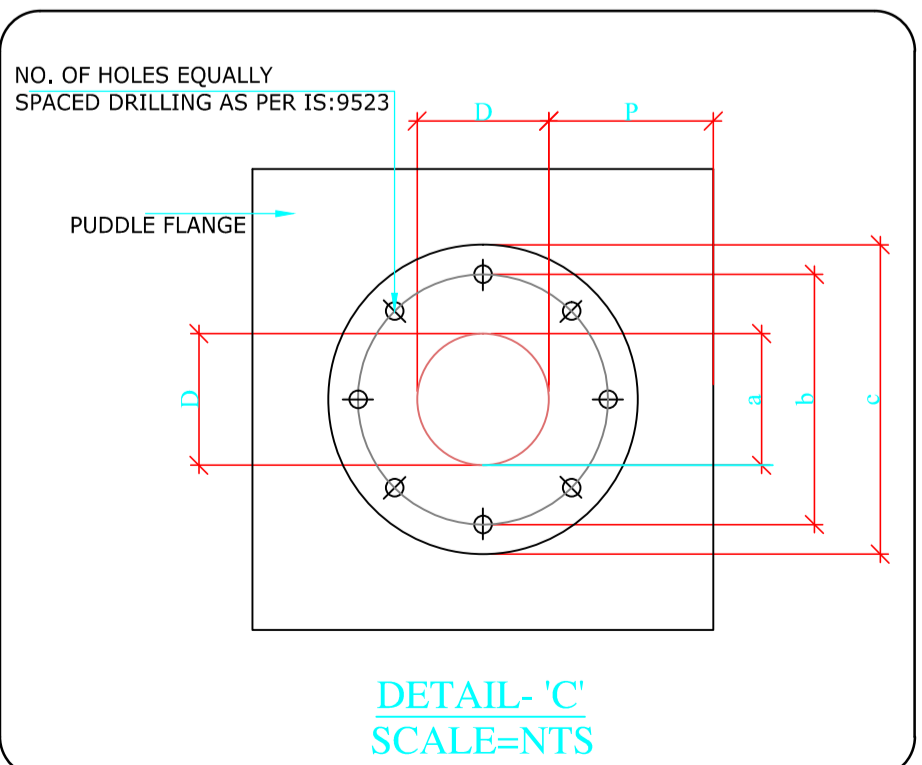
- NOTES : (PLUMBING)**
- ALL THE DIMENSIONS ARE IN M.M. (UNLESS SPECIFIED)
  - THE PUDDLE FLANGE / SLEEVES ARE TO BE PROVIDED DURING EXECUTION OF CIVIL WORKS OF TANKS & PUMP HOUSE.
  - THE M.S. / G.I. PIPE FLANGED / THREADED SLEEVES (CLASS 'C' - HEAVY DUTY) WITH M.S. PUDDLE FLANGE WILL BE HOT DIPPED GALVANIZED AFTER FABRICATION AND PAINTING WITH TWO COATS OF ANTI CORROSIVE PAINT OVER PRIMER BEFORE PLACING IN RCC.
  - THE SLEEVES SHOULD BE TACK WELDED TO THE REINFORCEMENT OF RCC RETAINING WALL AT PROPER POSITION AND LEVEL.
  - THE CIVIL WORK FOR FOUNDATION OF PUMPS & EQUIPMENT SHALL BE DONE INSIDE PUMP ROOM AS PER REQUIREMENT & MANUFACTURERS SPECIFICATION.
  - THE CONTRACTOR HAS TO PREPARE SHOP DRAWING FOR ALL PUMPS & EQUIPMENT AND GET IT APPROVED BEFORE STARTING THE WORK.
  - THE PUMP ROOM FLOOR SHOULD SLOPE TOWARD DRAIN.
  - ALL MANHOLES SHOULD BE DOUBLE SEAL TYPE IN DUCTILE IRON / CAST IRON.

**SCHEDULE OF FLANGES**  
FLANGES AS PER IS : 9523 : 2000

SL. NO.	DESCRIPTION	a	b	c	T	P	HOLES Dia	Nos	BOLT SIZE
1.	650 PIPE	650	145	185	16	150	19	6	M16
2.	800 PIPE	800	160	200	16	150	19	8	M16
3.	1000 PIPE	1000	180	220	16	150	19	8	M16
4.	1500 PIPE	1500	240	285	16	150	23	8	M20
5.	2000 PIPE	2000	295	340	17	200	23	12	M20

a = NOMINAL BORE  
b = PCD OF FLANGE  
c = OUTER DIAMETER OF FLANGE  
T = THICKNESS OF FLANGE  
D = DIA OF PIPE / SLEEVE

S.NO.	DIA. OF PIPE	SIZE OF PLATE	THICKNESS
1	UPTO 1500	150+D+150mm	6mm
2	2000 / 2500	200+D+200mm	6mm



**NOTE : - ALL REFERENCE LEVELS AS CLOUDED MARKED SHOULD BE RECONFIRMED AT SITE PRIOR TO EXECUTION.**

**DETAILS OF EQUIPMENTS**

SYMBOL	DESCRIPTION
<b>FOR FIRE FIGHTING SYSTEM:</b>	
D	DIESEL ENGINE DRIVEN STAND BY FIRE FIGHTING PUMP
E	ELECTRIC MOTOR DRIVEN HYDRANT PUMP
J	ELECTRIC MOTOR DRIVEN JOCKEY PUMP
<b>WATER SUPPLY PUMPS:</b>	
F	FILTER FEED PUMP - (1W+1S)
P	HYDRO-PNEUMATIC WATER SUPPLY PUMP (DOMESTIC) - 2 NOS. IN ONE SET (1W+1S)
<b>DEWATERING PUMPS:</b>	
Dw	SUBMERSIBLE DEWATERING PUMP

rev. no.    date    revision

project  
**PROPOSED GROUP HOUSING AT**  
PLOT NO. 17/G.H.09, SECTOR-17 VRINDAVAN YOJNA NO. 4, LUCKNOW

title  
**PLUMBING DRAWING**

subtitle  
**UNDER GROUND TANK LAYOUT**

drawing released for  
 APPROVAL     SUBMISSION  
 ADVANCE COPY     CONSTRUCTION

drg. no.    **CASA / UGT / 01**    drawn by    **Sandeep**

scale    **1:90**    designed by    **Shakir Shabbir**

date    **28.11.2014**    checked by    **Anand Havella**

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