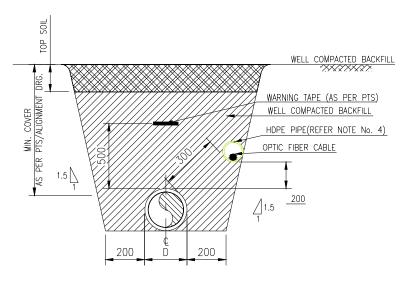
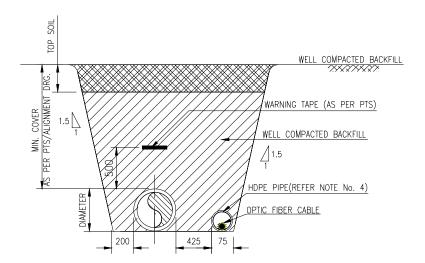
INDEX - TYPICAL DRAWINGS

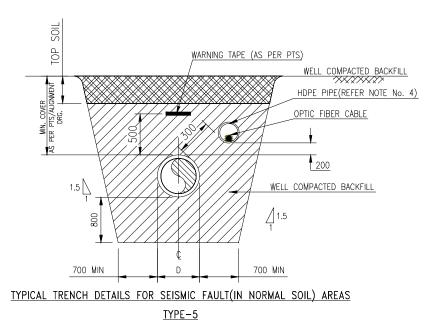
- 1. TYPICAL DRAWING FOR TRENCH DETAILS
- 2. TYPICAL DRAWING FOR RCC ROUTE MARKER
- 3. TYPICAL DRAWING FOR KM POST MARKER
- 4. TYPICAL DRAWING FOR PIPELINE WARNING SIGN
- 5. TYPICAL DRAWING FOR BARRICADING
- 6. CAUTION BOARD
- 7. TYPICAL DRAWING FOR RCC VALVE CHAMBER (2 Mtr. x1.5 Mtr.)
- 8. TYPICAL GENERAL ARRANGEMENT DRAWING FOR SV OF 8" SIZE WITH BY-PASS LINE AND VENT
- 9. TYPICAL PIPING GENERAL ARRANGEMENT DRAWING FOR CONNECTIVITY TO RO/CNG STATION
- 10. TYPICAL DRAWING OF CGS CUM MOTHER STATION CHURU

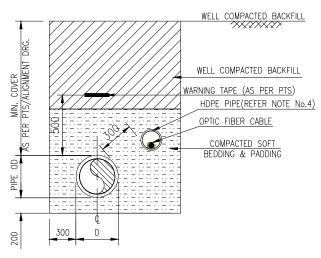


TYPICAL TRENCH DETAILS IN NORMAL SOIL <u>TYPE-1</u>

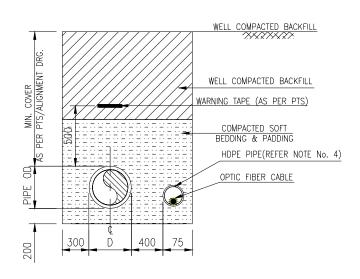


TYPICAL TRENCH DETAILS IN NORMAL SOIL TYPE-2

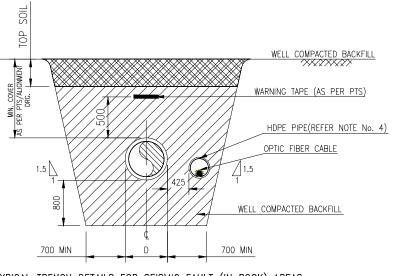




TYPICAL TRENCH DETAILS IN ROCK AREA TYPE-3



TYPICAL TRENCH DETAILS ROCK TYPE-4



TYPICAL TRENCH DETAILS FOR SEISMIC FAULT (IN ROCK) AREAS TYPE-6

NOTES:-

- 1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
 2. MINIMUM COVER OVER LINEPIPE SHALL BE AS PER PTS AND REQUIREMENT OF CONCERNED AUTHORITY.
 3. THIS SKETCH IS INDICATIVE ONLY.
 4. IF, AS PER SPECIFICATION, ARMOURED OFC IS TO BE PROVIDED, IT WILL BE LAID ALONGWITH LINEPIPE AS PER THE APPROVED PROCEDURE.
 5. TYPE OF TRENCHING TO BE USED SHALL BE AS PER PTS.
- 5. TYPE OF TRENCHING TO BE USED SHALL BE AS PER PTS AND APPROVED PROCEDURE.
- 6. ALL TYPICAL CROSS SECTIONS MUST BE VIEWED LOOKING IN THE DIRECTION OF FLOW.

ISSUED FOR TENDER

CLIENT:



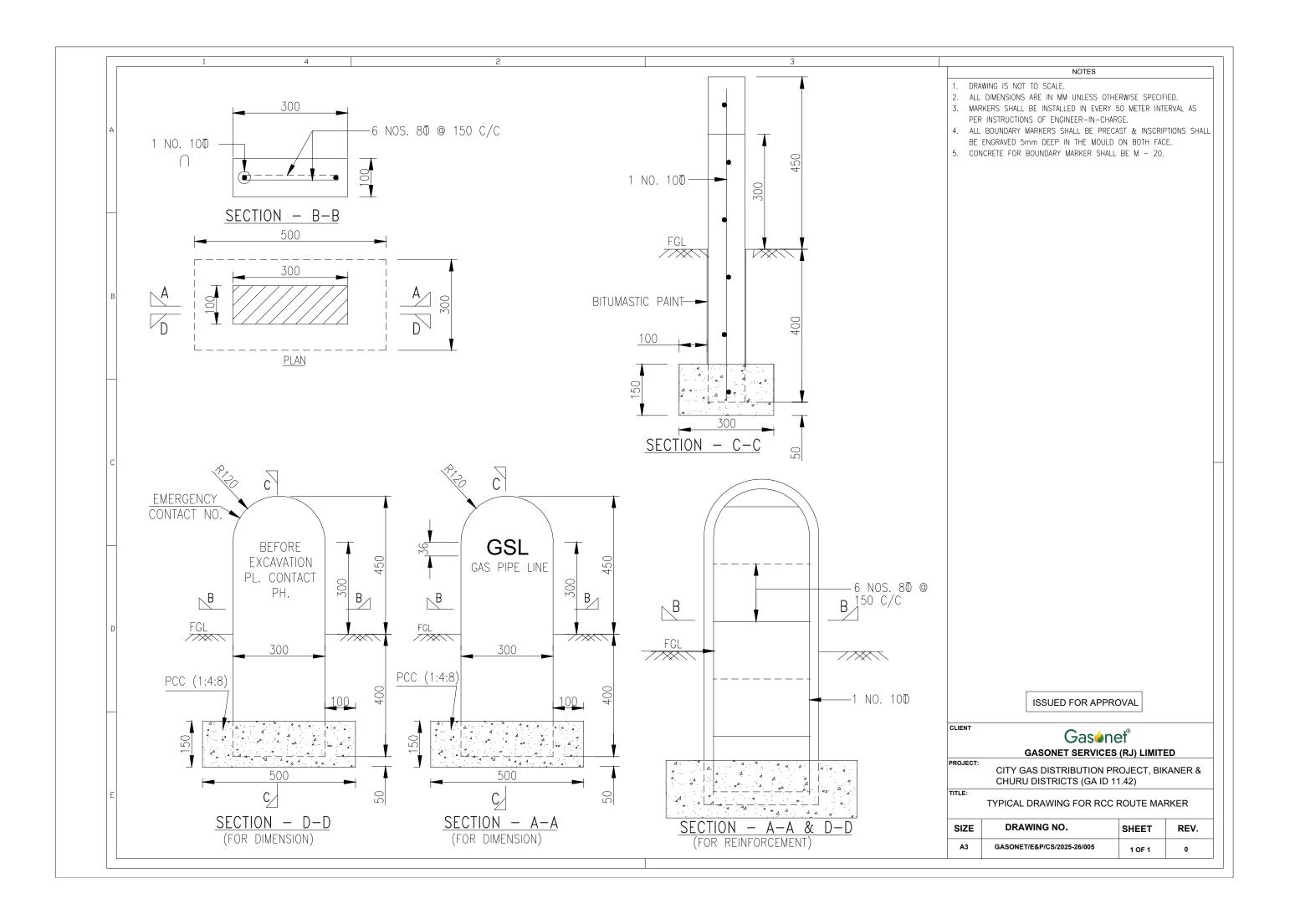
GASONET SERVICES (RJ) LIMITED

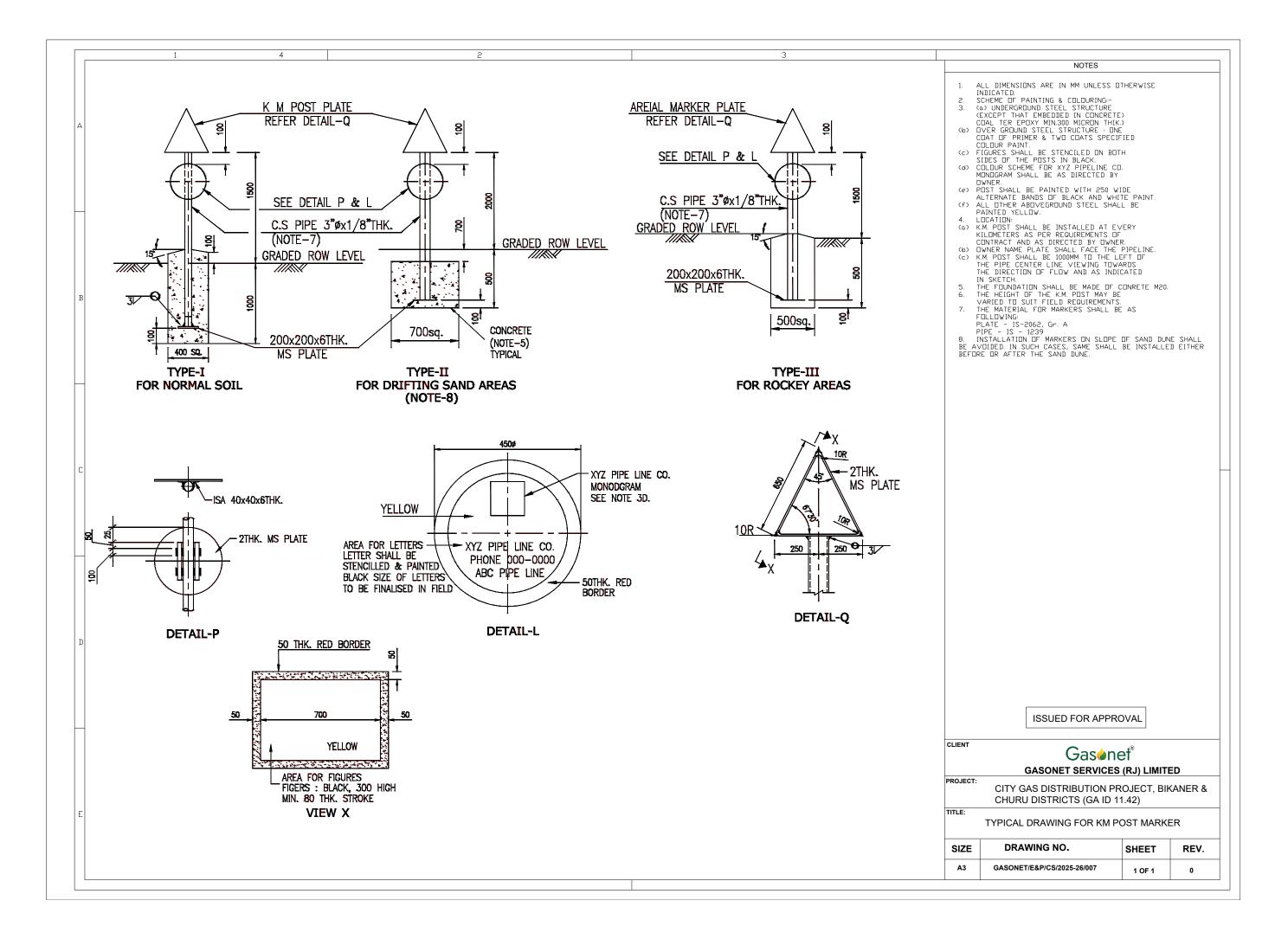
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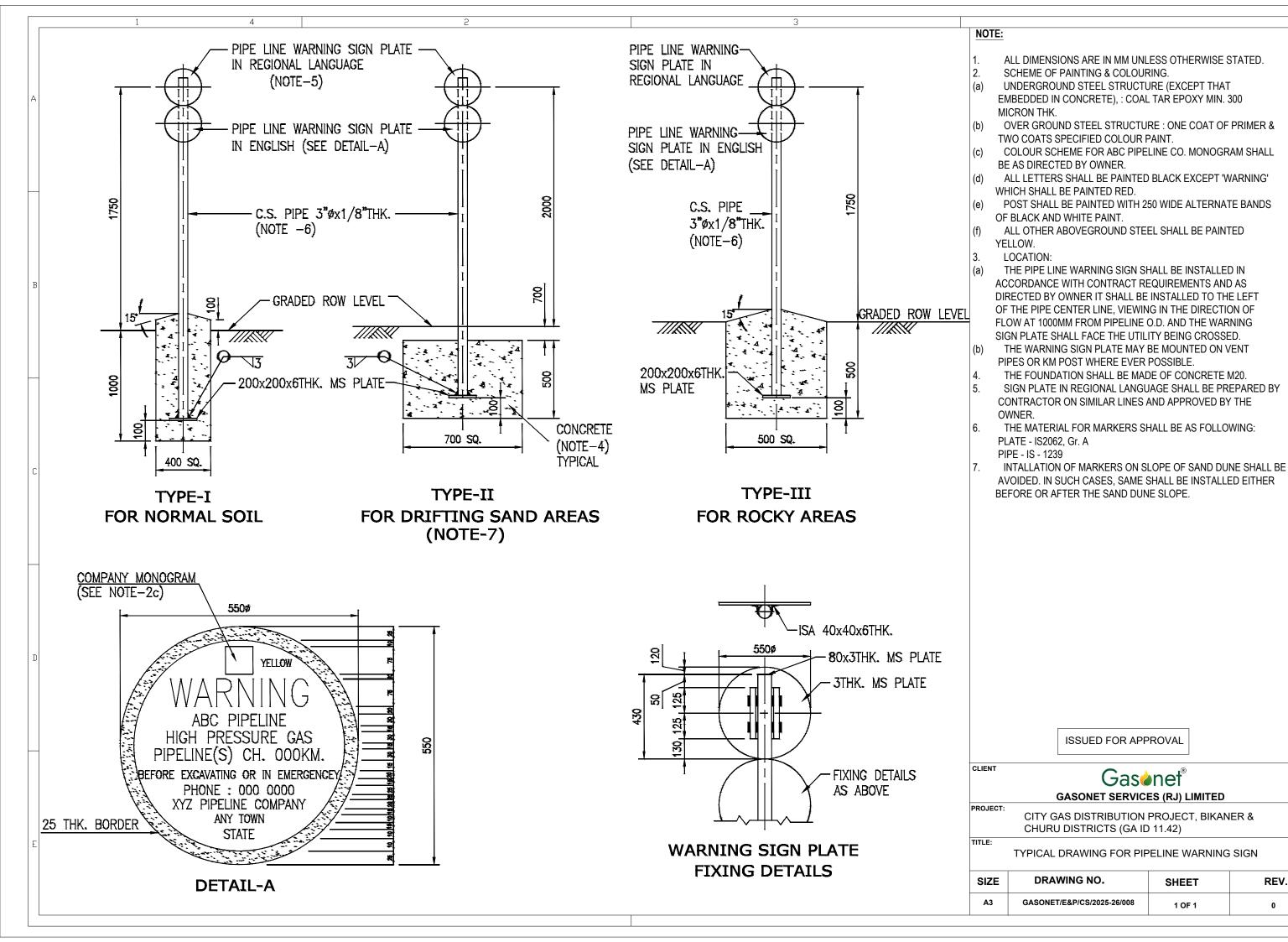
CITY GAS DISTRIBUTION PROJECT, BIKANER & CHURU DISTRICTS, (GA ID-11.42)

TITLE

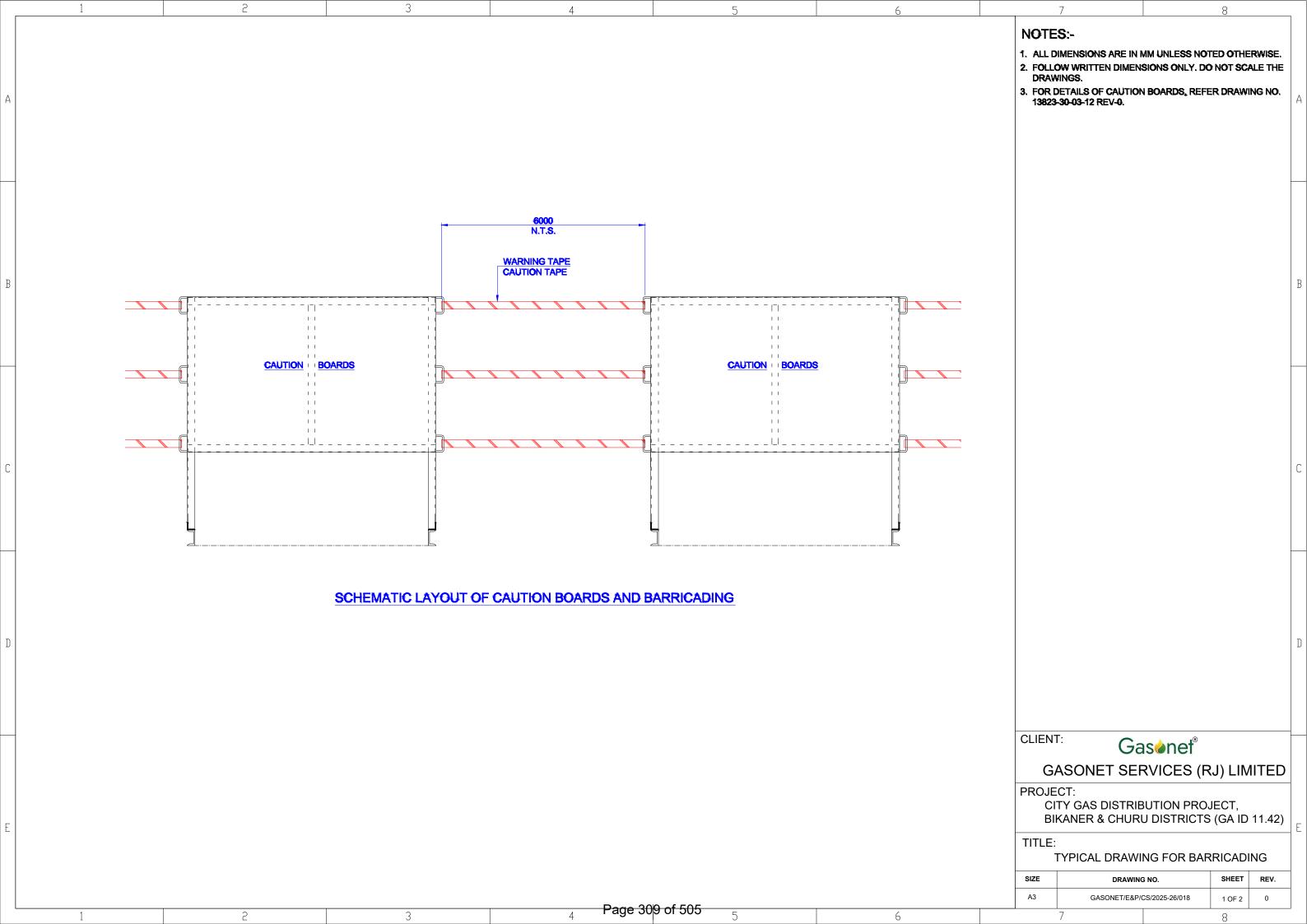
TYPICAL DRAWING FOR TRENCH DETAILS SHEET REV. DRAWING NO. GASONET/E&P/CS/2025-26/001 1 OF 1

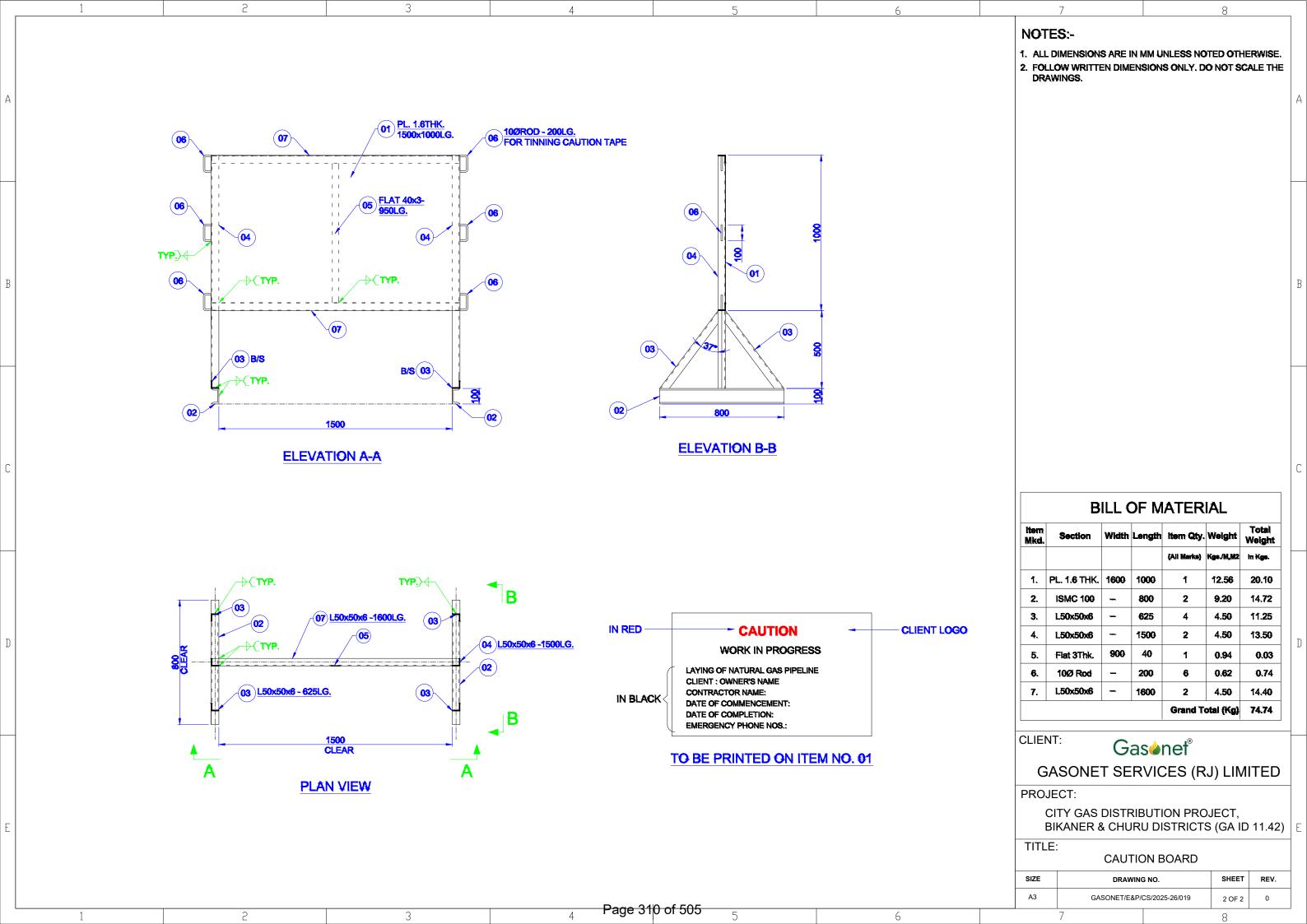


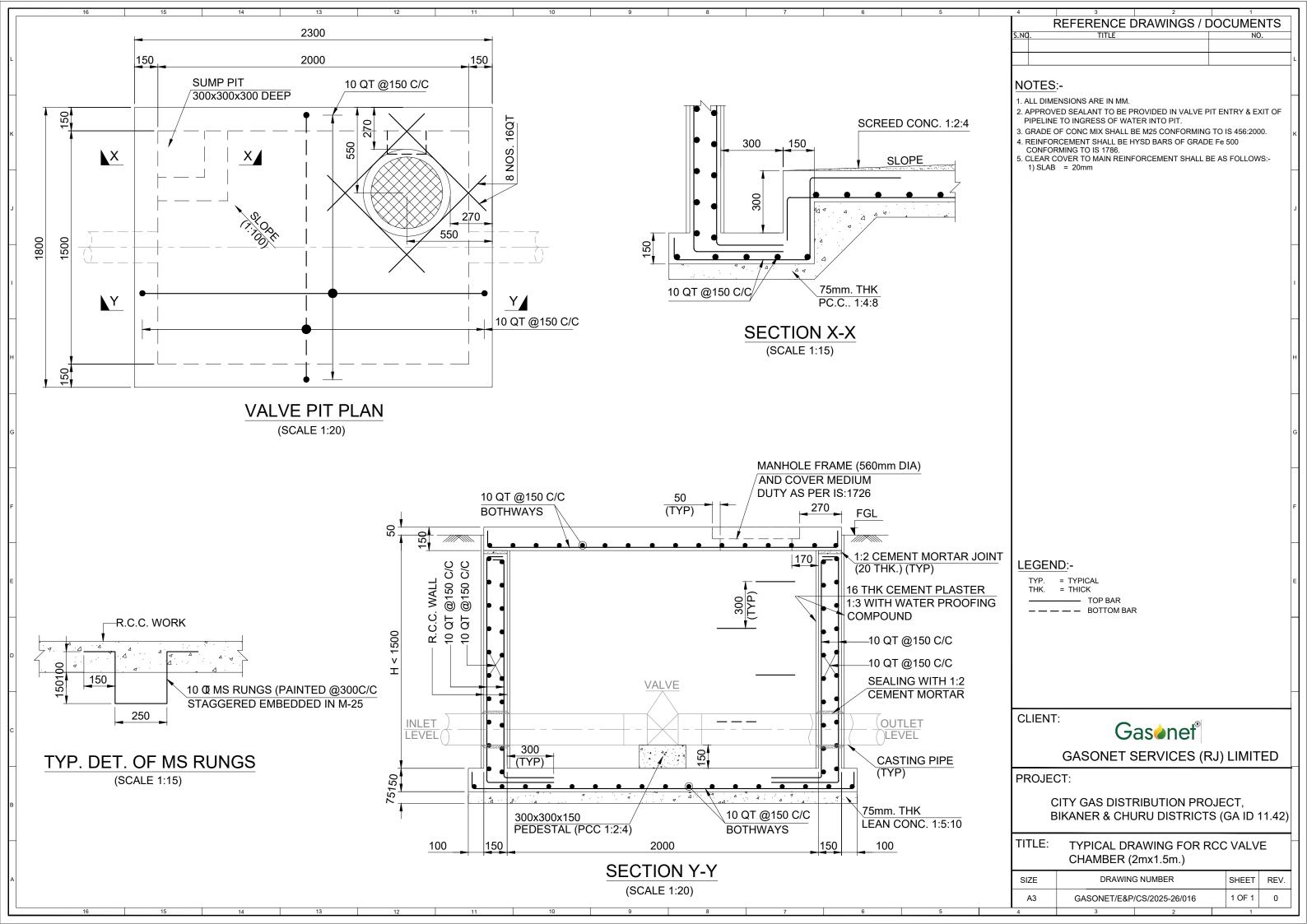


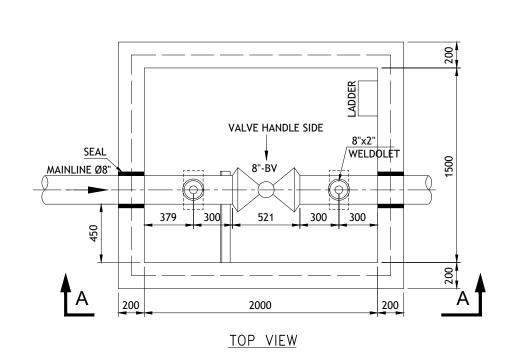


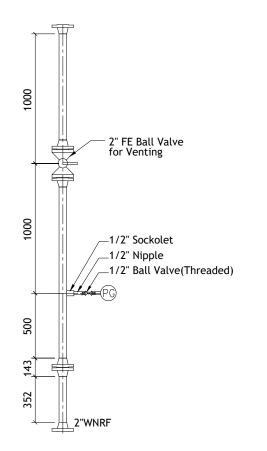
REV.



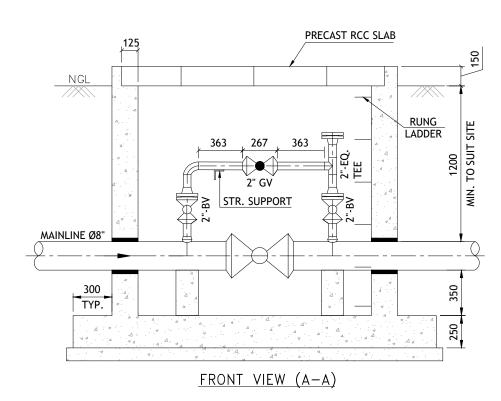








COMMON VENT PIPE FOR ALL SECTIONALIZING VALVES (NOT TO BE FABRICATED FOR ALL SVs)



NOTES:-

- 1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS OTHERWISE
- 2. APPROVED SEALANT TO BE PROVIDED IN VALVE PIT ENTRY & EXIT OF PIPELINE TO RESTRICT WATER INTO PIT.

 3. COMMON VENT NOT TO BE FABRICATED FOR EACH SV. MINIMUM TWO SUCH VENTS TO BE FABRICATED FOR GAS COMMISSIONING AND THEN TO BE KEPT IN ERV FOR O&M PURPOSE
- 4. FIRST SECTIONALIZING VALVE OF MAINLINE TO BE PROVIDED WITH PERMANENT BY-PASS & VENT. THEREAFTER SVs MAY BE PROVIDED WITH PERMANENT BY-PASS & WITHOUT PERMANENT BY-PASS LINE ALTERNATIVELY.
- 5. FOR VALVE CHAMBER CONSTRUCTION, REFER RESPECTIVE DRAWING FOR CIVIL WORK. CHAMBER SLEEPERS MAY BE FABRICATED AS SHOWN IN THIS DRAWING FOR EASY LIFTING DURING O&M.
- 6. ORIENTATION OF 2" VALVES INSTALLED IN BY-PASS/TAP-OFF TO BE SUCH THAT VALVE LEVER/HANDLE MOVEMENT IS NOT RESTRICTED BY ADJACENT WALL OF
- 7. VALVE CHAMBER PROJECTION ABOVE FGL SHALL BE 150MM-300MM SUITED AS PER SITE CONDITIONS.

LEGEND:-

 \bowtie BUTT WELD BALL VALVE (B.V.)

FLANGED BALL VALVE

BUTT WELD GLOBE VALVE (G.V.)

FLANGED GLOBE VALVE

THREAD END BALL VALVE

вом						
ITEM NO	MATERIAL DESCRIPTION	SIZE (INCH)	QTY.			
1	BALL VALVE (BW)	8"	1			
2	WELDOLET	8" X 2"	02			
3	BALL VALVE ONE END BW & ONE END FE	2"	2			
4	GLOBE VALVE (BW)	2"	1			
5	BALL VALVE (FE)	2"	1			
6	WNRF FLANGE	2"	9			
7	BLRF BLIND	2"	1			
8	GASKETS (SPIRAL WOUND)	2"	6			
9	EQUAL TEE	2"	1			
10	STUD & BOLT	2"	24			
11	SOCKOLET	2" X ½"	1			
12	BALL VALVE (THREADED)	1/2"	1			
13	NIPPLE ONE END THREADED	1/2"	1			
14	PRESSURE GAUGE (0-70 KG/CM2	1/2"	1			

CLIENT:



GASONET SERVICES (RJ) LIMITED

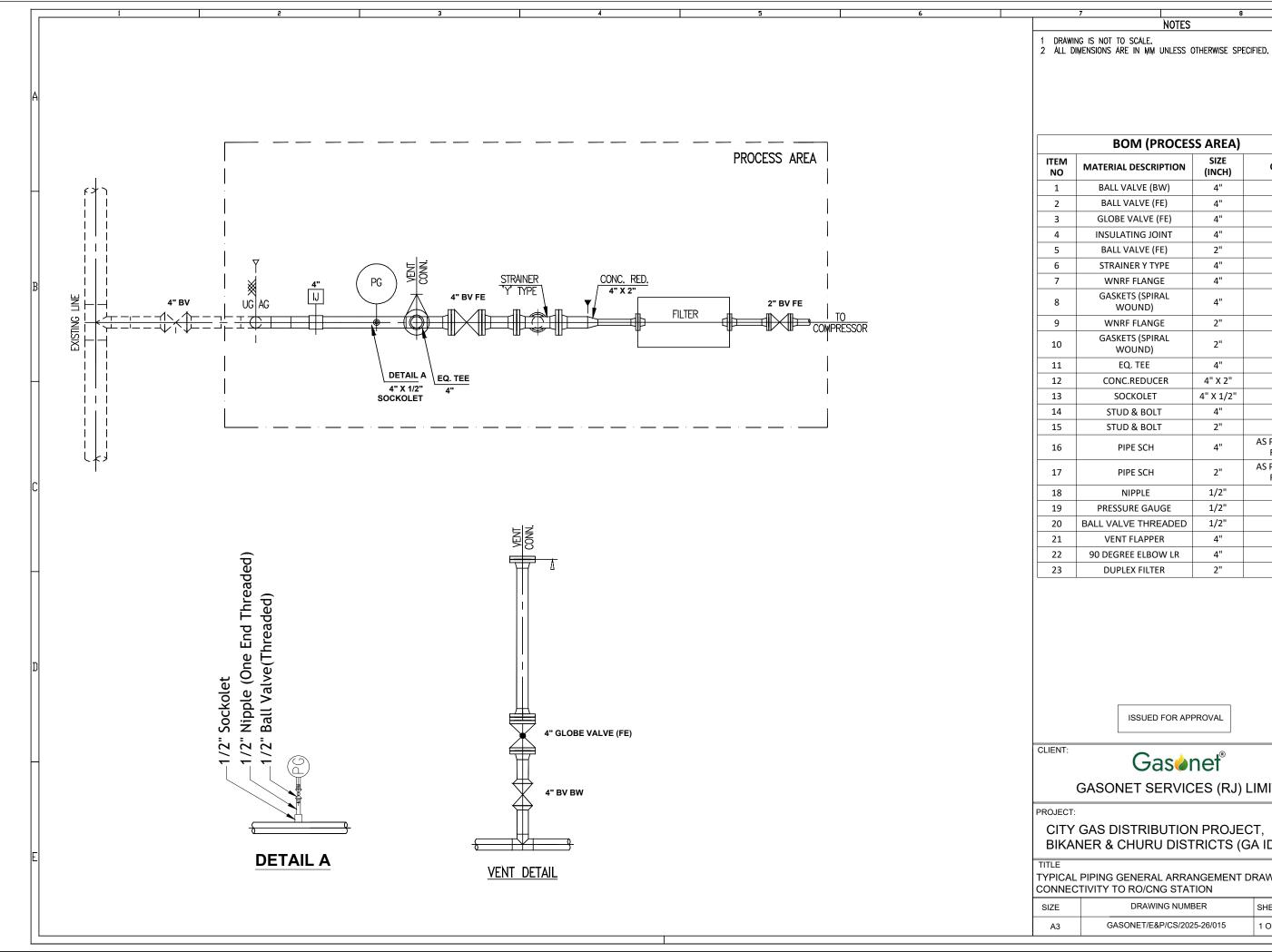
PROJECT:

CITY GAS DISTRIBUTION PROJECT, BIKANER & CHURU DISTRICTS (GA ID 11.42)

TITLE

TYPICAL GENERAL ARRANGEMENT DRAWING FOR SV OF 8" SIZE WITH BY-PASS LINE AND VENT

SIZE	DRAWING NUMBER	SHEET	REV.
A3	GASONET/E&P/CS/2025-26/014	1 OF 1	0



NOTES

BOM (PROCESS AREA)				
ITEM NO	MATERIAL DESCRIPTION	SIZE (INCH)	QTY.	
1	BALL VALVE (BW)	4"	1	
2	BALL VALVE (FE)	4"	1	
3	GLOBE VALVE (FE)	4"	1	
4	INSULATING JOINT	4"	1	
5	BALL VALVE (FE)	2"	1	
6	STRAINER Y TYPE	4"	1	
7	WNRF FLANGE	4"	6	
8	GASKETS (SPIRAL WOUND)	4"	6	
9	WNRF FLANGE	2"	2	
10	GASKETS (SPIRAL WOUND)	2"	2	
11	EQ. TEE	4"	1	
12	CONC.REDUCER	4" X 2"	2	
13	SOCKOLET	4" X 1/2"	1	
14	STUD & BOLT	4"	24	
15	STUD & BOLT	2"	8	
16	PIPE SCH	4"	AS PER SITE REQ.	
17	PIPE SCH	2"	AS PER SITE REQ.	
18	NIPPLE	1/2"	1	
19	PRESSURE GAUGE	1/2"	1	
20	BALL VALVE THREADED	1/2"	1	
21	VENT FLAPPER	4"	1	
22	90 DEGREE ELBOW LR	4"	1	
23	DUPLEX FILTER	2"	1	

ISSUED FOR APPROVAL



GASONET SERVICES (RJ) LIMITED

CITY GAS DISTRIBUTION PROJECT, BIKANER & CHURU DISTRICTS (GA ID 11.42)

TYPICAL PIPING GENERAL ARRANGEMENT DRAWING FOR CONNECTIVITY TO RO/CNG STATION

SIZE	DRAWING NUMBER		REV.
A3	GASONET/E&P/CS/2025-26/015	1 OF 1	0

