

DESIGN DETAILS		
1	PIPELINE SYSTEM	MPA MPB
2	DESIGN CODE	ASME B31.8 ASME B31.8
3	DESIGN PRESSURE/MAOP	2700 kPag 400 kPag
4	OPERATING PRESSURE RANGE	10.54~2700 kPag 241~400 kPag
5	MIN. SPECIFIED TEST PRESSURE	40SD kPag 600 kPag
6	MATERIAL	STEEL PE
7	CLASS LOCATION	4 4
8	DESIGN TEMPERATURE	15~55°C 15~55°C
9	FLOWRATE	

LEGENDS:	
	EXISTING FEEDER LINE (MPA)
	EXISTING DISTRIBUTION LINE (MPB)
	PROPOSED DISTRIBUTION LINE (MPB)
	PROPOSED SERVICE LINE (MPB)
	EXISTING SERVICE STATION (MPA)
	EXISTING SERVICE STATION (MPB)
	PROPOSED SERVICE STATION (MPB)
	OPEN VALVE
	CLOSE VALVE
	END CAP
	REDUCER

NOTES:

- PROPOSED SERVICE AND BRANCHING OFF VALVES TO BE LOCATED AT THE OUTSIDE OF CUSTOMER BOUNDARY AND TO BE PLACED CLOSEST POSSIBLE TO THE BRANCHING POINT.
- MAOP : MAXIMUM ALLOWABLE OPERATING PRESSURE.
- THE INFORMATION IN THE DRAWING IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE DRAWING AT SITE.

DISCLAIMER:

GMD DOES NOT GUARANTEE AND MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OR SCALE OF THIS PLAN. THIS COMPANY ACCEPTS NO LIABILITY FOR ANY LOSS, DAMAGE, OR INJURY SUFFERED BY ANY PERSON AS A RESULT OF ANY INACCURACY IN THIS PLAN.

REFERENCE DRAWING		
NO.	DRAWING TITLE	DRAWING NO.

REVISION						
NO.	DATE	DESCRIPTION	DSGND	DRAWN	CHKD	APPR

OWNER:

GAS MALAYSIA DISTRIBUTION SDN BHD
 NO.5, GROUND FLOOR,
 JALAN SERENDAH 26/17,
 SEKSYEN 26,
 40732 SHAH ALAM,
 SELANGOR DARUL EHSAN.

CONTRACTOR:

CERTIFIED BY COMPETENT PERSON:

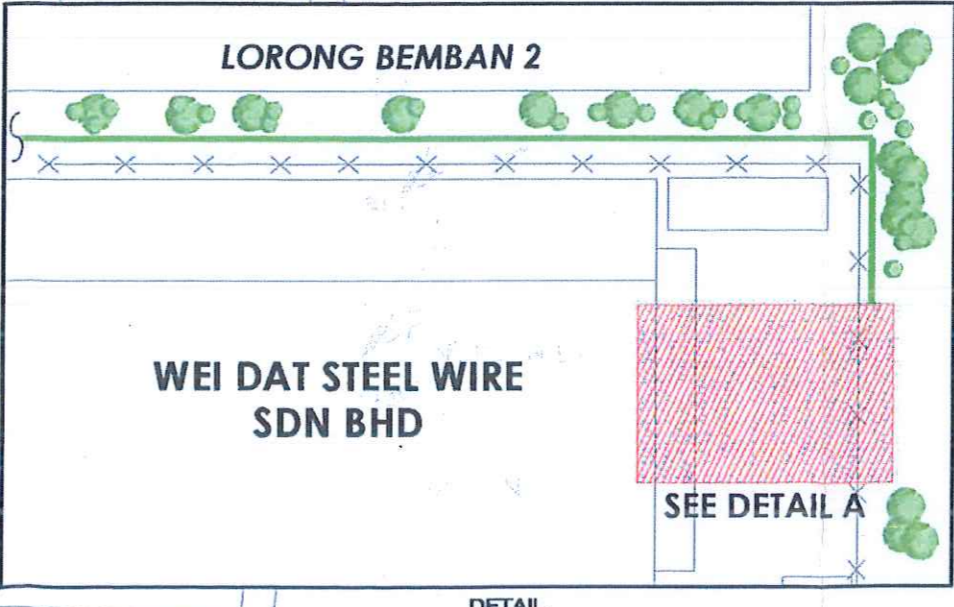
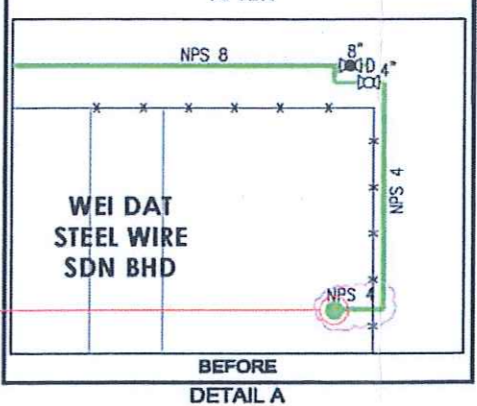
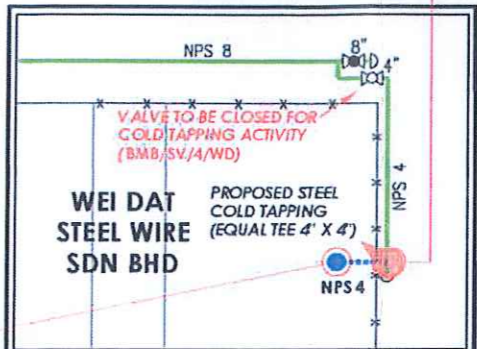
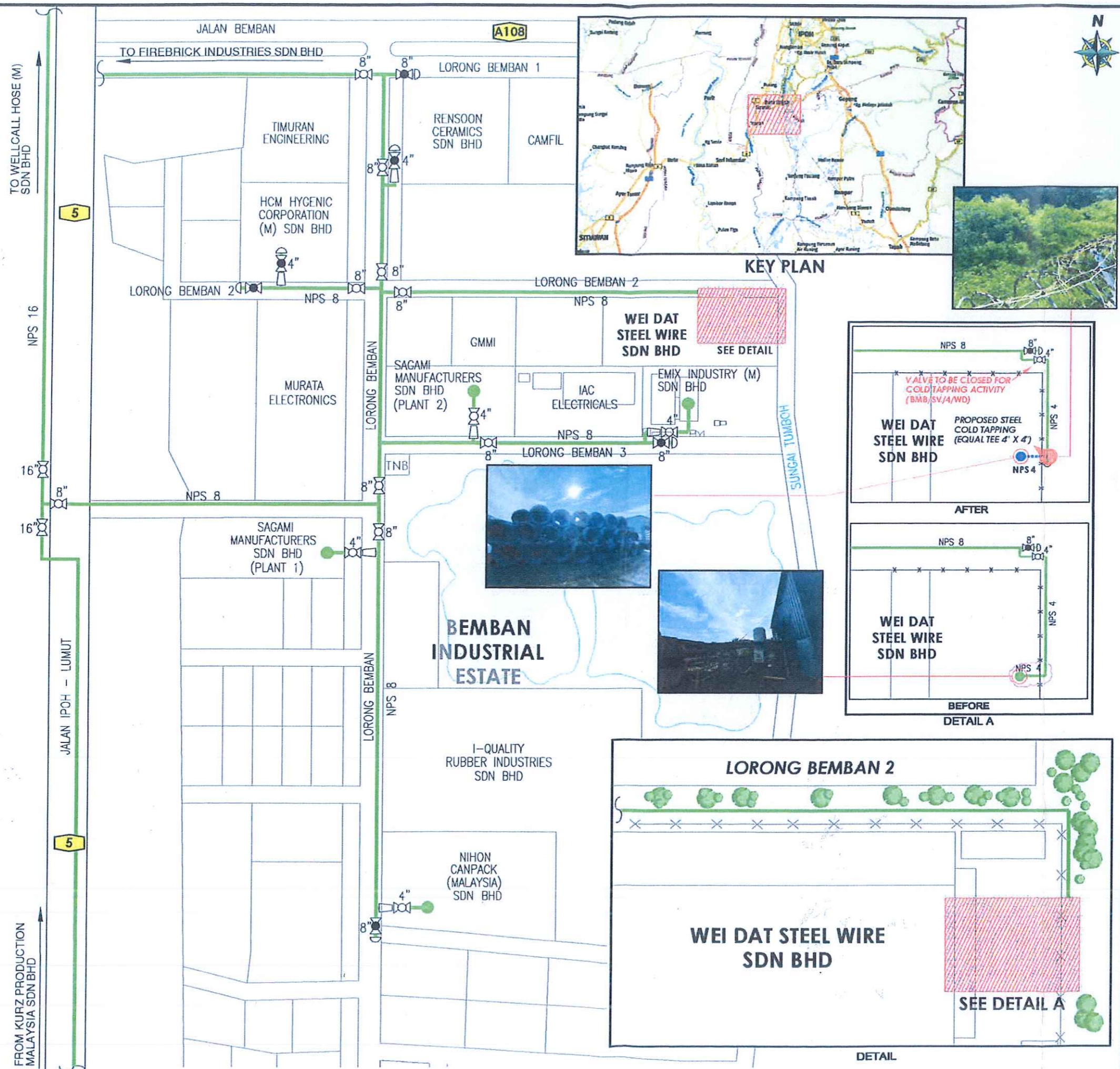
NAME: *J. Ahmad Yazid Bin Omar* JG-T-1-A
 REG NO: *J. Ahmad Yazid Bin Omar*
 DATE: 01-2013

PROJECT TITLE:
 EPCC OF NATURAL GAS DISTRIBUTION SYSTEM TO
 KINTA VALLEY FL. DL. STAGE 1/24
 CHEMOR
 PERAK DARUL RIDZUAN

DRAWING TITLE:
 PROPOSED GAS PIPELINE ROUTE

DRAWING NO: GMD/NDK/KINTA/FLDLST1_24/0030_AAN

DESIGNED	APPROVED
AAN	OM
MSR	
SAM	
SAM	
DRF	
04/04/2024	HEAD OF NETWORK DEVELOPMENT SECTION
NTS	CAD: GMD/NDK/2024/NRO/BNH/PLANT2/AAN



NO.	DESIGN DETAILS		
	PIPELINE SYSTEM	MPA	MPB
1	PIPELINE SYSTEM	MPA	MPB
2	DESIGN CODE	ASME B31.8	N/A
3	DESIGN PRESSURE/MAOP	2700 kPag	N/A
4	OPERATING PRESSURE RANGE	1034-2700 kPag	N/A
5	MIN. SPECIFIED TEST PRESSURE	4050 kPag	N/A
6	MATERIAL	STEEL	PE
7	CLASS LOCATION	4	4
8	DESIGN TEMPERATURE	15-55°C	N/A
9	FLOWRATE		


- LEGENDS:**
- EXISTING FEEDER LINE (MPA)
 - PROPOSED SERVICE LINE (MPA)
 - EXISTING SERVICE STATION (MPA)
 - PROPOSED SERVICE STATION (MPA)
 - OPEN VALVE
 - CLOSE VALVE
 - END CAP
 - REDUCER
 - PIPELINE TO BE REMOVED AND END CAPPED AT THE OPENED (CUT) ENDS OF THE EXISTING PIPELINE SYSTEM.
 - EXISTING CML WORK TO BE DEMOLISHED AND REINSTATEMENT WORK AS PER SURROUNDING CUSTOMER'S AREA.

- NOTES:**
- PROPOSED SERVICE AND BRANCHING OFF VALVES TO BE LOCATED AT THE OUTSIDE OF CUSTOMER BOUNDARY AND TO BE PLACED CLOSEST POSSIBLE TO THE BRANCHING POINT.
 - MAOP : MAXIMUM ALLOWABLE OPERATING PRESSURE.
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REFERENCE DRAWING		
NO.	DRAWING TITLE	DRAWING NO.

REVISION				
NO.	DATE	DESCRIPTION	DSGND/DRAWN	CHKD/APPR

OWNER:



GAS MALAYSIA DISTRIBUTION SDN BHD
 NO.5, GROUND FLOOR,
 JALAN SERENDAH 26/17,
 SEKSYEN 26,
 40732 SHAH ALAM,
 SELANGOR DARUL EHSAN.

A Member of Gas Malaysia Berhad

CONTRACTOR:

CERTIFIED BY COMPETENT PERSON:

NAME:  **JG-T-1-A**



REG. NO.: **1 AHMAD YAZID BIN OMAR**

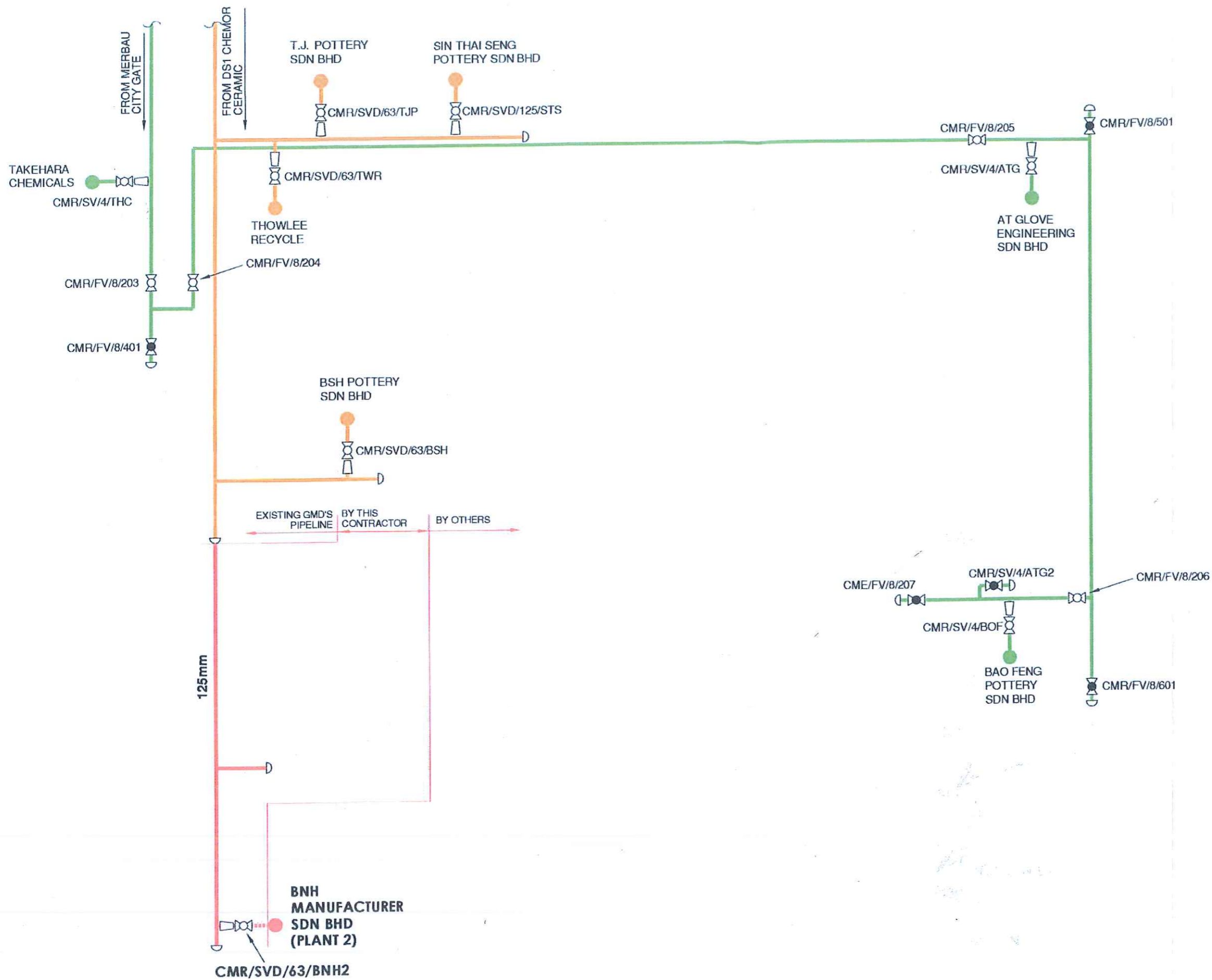
DATE: **01-2013**



PROJECT TITLE:
 EPCC OF NATURAL GAS DISTRIBUTION SYSTEM TO KINTA VALLEY FL DL STAGE 1/24 BEMBAN INDUSTRIAL ESTATE, BATU CAJAH PERAK DARUL RIDZUAN

DRAWING TITLE:
 PROPOSED GAS PIPELINE ROUTE

DRAWING NO.:	GMD/NDS/KINTAVLFLDLST1_24/001D_AAN	REV.	0
DESIGNED	AN	APPROVED :	OM
DRAWN	MSR	 	
REVIEWED	SAW		
CHECKED	SAW		
TYPE	DRF		
DATE	04/04/2024	HEAD OF NETWORK DEVELOPMENT - SECTION	
SCALE	NTS	CAD FILE: NDS/2024/NRO/WEIDAT/001	



DESIGN DETAILS			
NO.	PIPELINE SYSTEM	MPA	MPB
1	PIPELINE SYSTEM	MPA	MPB
2	DESIGN CODE	ASME B31.8	ASME B31.8
3	DESIGN PRESSURE/MAOP	2700 kPag	400 kPag
4	OPERATING PRESSURE RANGE	1034~2700 kPag	241~400 kPag
5	MIN. SPECIFIED TEST PRESSURE	4050 kPag	600 kPag
6	MATERIAL	STEEL	PE
7	CLASS LOCATION	4	4
8	DESIGN TEMPERATURE	15~55°C	15~55°C
9	FLOWRATE		

- LEGENDS:
- EXISTING FEEDER LINE (MPA)
 - EXISTING DISTRIBUTION LINE (MPB)
 - PROPOSED DISTRIBUTION LINE (MPB)
 - PROPOSED SERVICE LINE (MPB)
 - EXISTING SERVICE STATION (MPA)
 - EXISTING SERVICE STATION (MPB)
 - PROPOSED SERVICE STATION (MPB)
 - OPEN VALVE
 - CLOSE VALVE
 - END CAP
 - REDUCER

- NOTES:
- PROPOSED SERVICE AND BRANCHING OFF VALVES TO BE LOCATED AT THE OUTSIDE OF CUSTOMER BOUNDARY AND TO BE PLACED CLOSEST POSSIBLE TO THE BRANCHING POINT.
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REFERENCE DRAWING				
NO.	DRAWING TITLE	DRAWING NO.		

REVISION						
NO.	DATE	DESCRIPTION	DSGND	DRAWN	CHKD	APPR

OWNER: **GAS MALAYSIA DISTRIBUTION SDN BHD**
NO.5, GROUND FLOOR,
JALAN SERENDAH 26/17,
SEKSYEN 26,
40732 SHAH ALAM,
SELANGOR DARUL EHSAN.

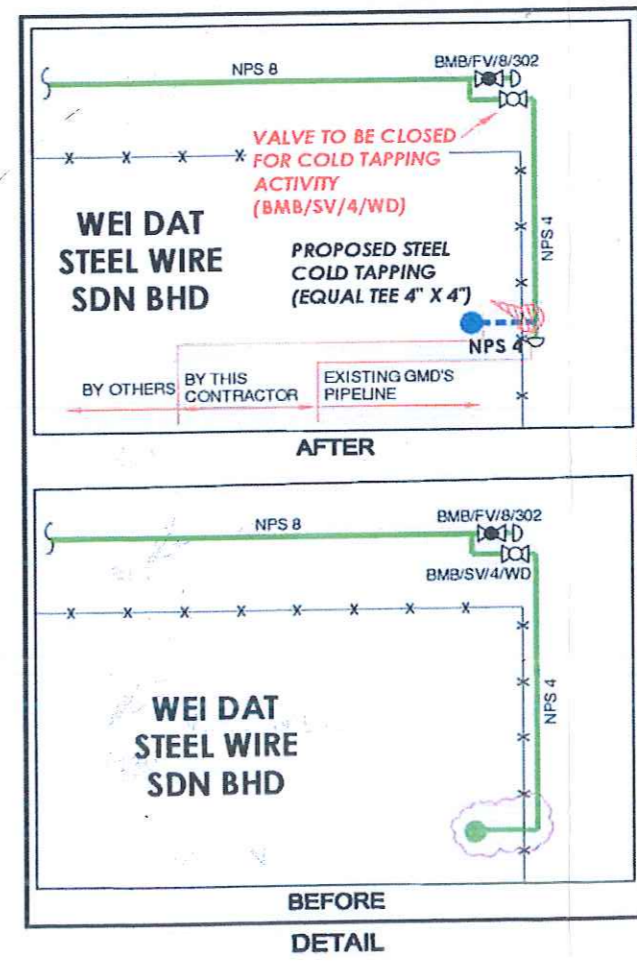
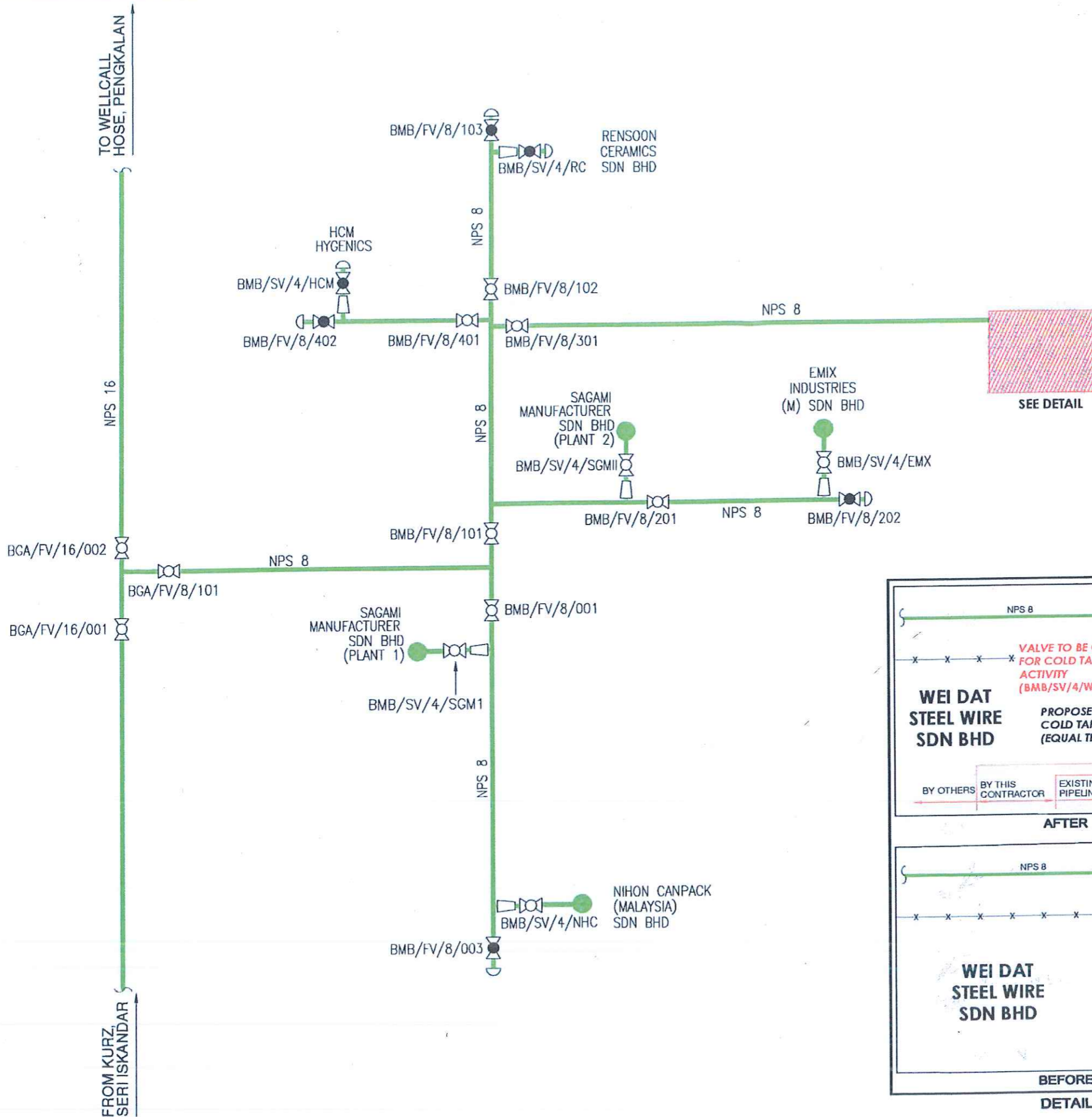
CONTRACTOR:

CERTIFIED BY COMPETENT PERSON
NAME: **JG-T-1-A**
REG NO: **11-AMMAD YAZID BIN OMAR**
DATE: **01-2013**

PROJECT TITLE:
EPC OF NATURAL GAS DISTRIBUTION SYSTEM TO
KINTA VALLEY FL DL STAGE 1/24
CHEMOR
PERAK DARUL RIDZUAN

DRAWING TITLE:
SCHEMATIC DIAGRAM AND VALVE DESIGNATION

DRAWING NO: GMD/NDS/KINTA/FLDLST1_24/0040_AW		REV. 0
DESIGNED	ANN	APPROVED: CM
DRAWN	MSR	
REVIEWED	SAM	
CHECKED	SAM	
TYPE	DRF	
DATE	04/04/2024	HEAD OF NETWORK DEVELOPMENT SECTION
SCALE	NTS	CAD: GMD/NDS/2024/NRO/BN-PLANT2/ANN



DESIGN DETAILS			
NO.		MPA	MPB
1	PIPELINE SYSTEM		
2	DESIGN CODE	ASME B31.8	N/A
3	DESIGN PRESSURE/MAOP	2700 kPag	N/A
4	OPERATING PRESSURE RANGE	1034~2700 kPag	N/A
5	MIN. SPECIFIED TEST PRESSURE	4050 kPag	N/A
6	MATERIAL	STEEL	PE
7	CLASS LOCATION	4	4
8	DESIGN TEMPERATURE	15~55°C	N/A
9	FLOWRATE		

- LEGENDS:**
- EXISTING FEEDER LINE (MPA)
 - PROPOSED SERVICE LINE (MPA)
 - EXISTING SERVICE STATION (MPA)
 - PROPOSED SERVICE STATION (MPA)
 - OPEN VALVE
 - CLOSE VALVE
 - END CAP
 - REDUCER
 - PIPELINE TO BE REMOVED AND END CAPPED AT THE OPENED (CUT) ENDS OF THE EXISTING PIPELINE SYSTEM.
 - EXISTING CIVIL WORK TO BE DEMOLISHED AND REINSTATEMENT WORK AS PER SURROUNDING CUSTOMER'S AREA.

- NOTES:**
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REFERENCE DRAWING		
NO.	DRAWING TITLE	DRAWING NO.

REVISION						
NO.	DATE	DESCRIPTION	DSGND	DRAWN	CHKD	APPR

OWNER: **GAS MALAYSIA DISTRIBUTION SDN BHD**
 NO.5, GROUND FLOOR,
 JALAN SERENDAH 26/17,
 SEKSYEN 26,
 40732 SHAH ALAM,
 SELANGOR DARUL EHSAN.

A Member of Gas Malaysia Berhad

CONTRACTOR:

CERTIFIED BY COMPETENT PERSON:
 NAME: **JG-T-1-A**
 REG. NO.: **MAHMAD YAZID BIN OMAR**
 DATE: **01-2013**

PROJECT TITLE:
 EPCC OF NATURAL GAS DISTRIBUTION SYSTEM TO
 KINTA VALLEY FL DL STAGE -1/24
 BEMBAN INDUSTRIAL ESTATE, BATU GAJAH
 PERAK DARUL RIDZUAN

DRAWING TITLE:
 PIPELINE SCHEMATIC AND VALVE DESIGNATION

DRAWING NO.:	GMD/NDS/KINTAV.FLDLST1_24/002D_AAN	REV.	0
DESIGNED	AAN	APPROVED :	OM
DRAWN	MSR		
REVIEWED	SAM		
CHECKED	SAM		
TYPE	DRF		
DATE	22/02/2024	HEAD OF NETWORK DEVELOPMENT SECTION	
SCALE	NTS	CAD FILE: NDS/2024/NRO/WEIDAT/001	