

-4418

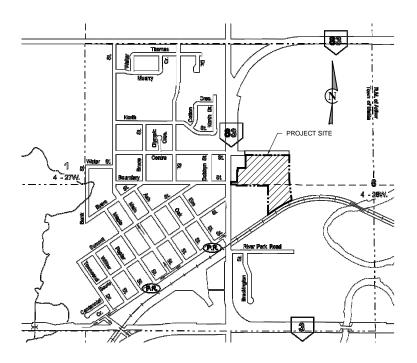
Tel: (204) 728-73 Fax: (204) 728-44

R7A 0R

1331 Prince Brandon, Ma

PTI GROUP INC. MELITA LODGE PHASE 1 SITE SERVICES

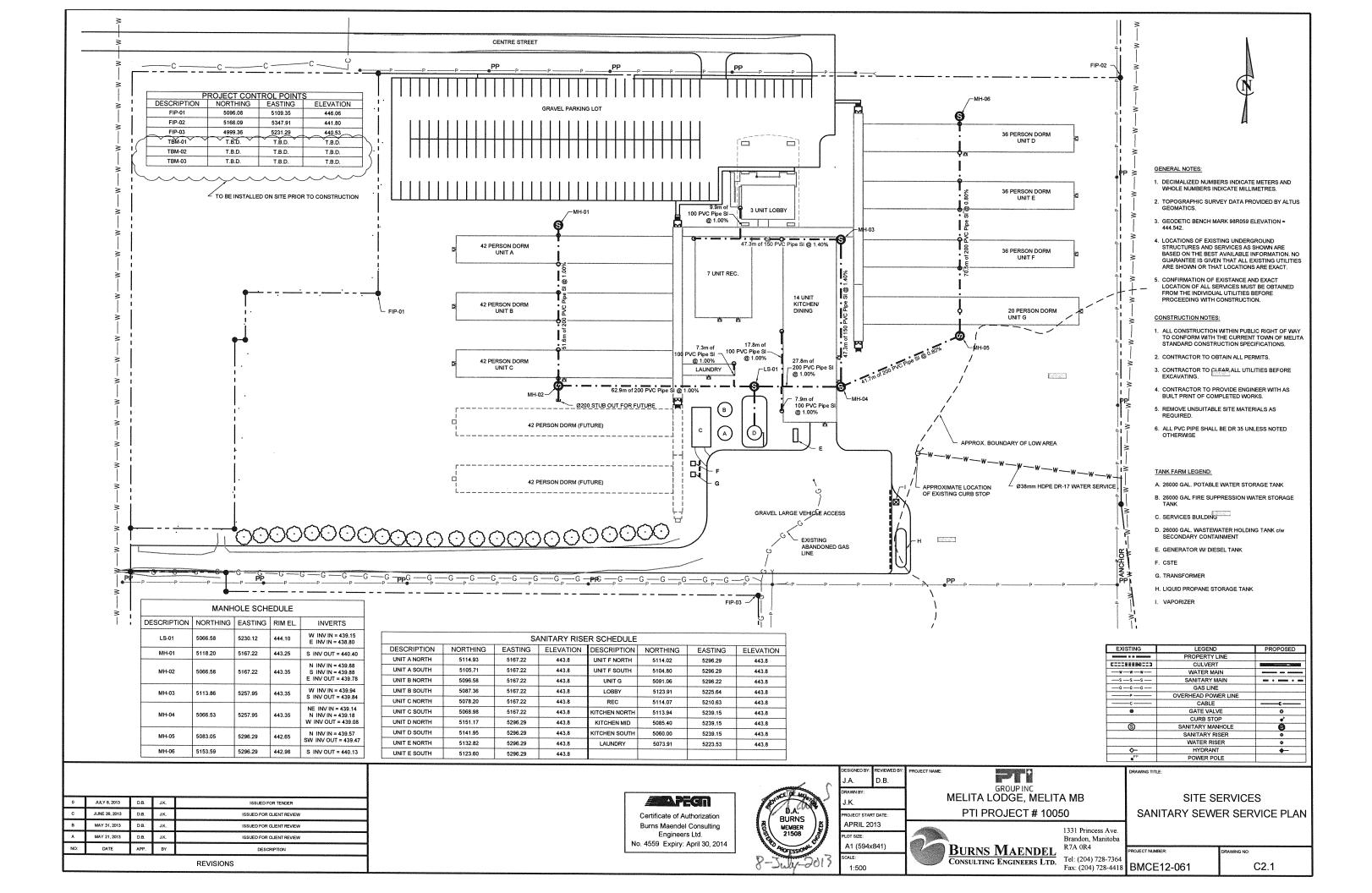
MELITA, MB

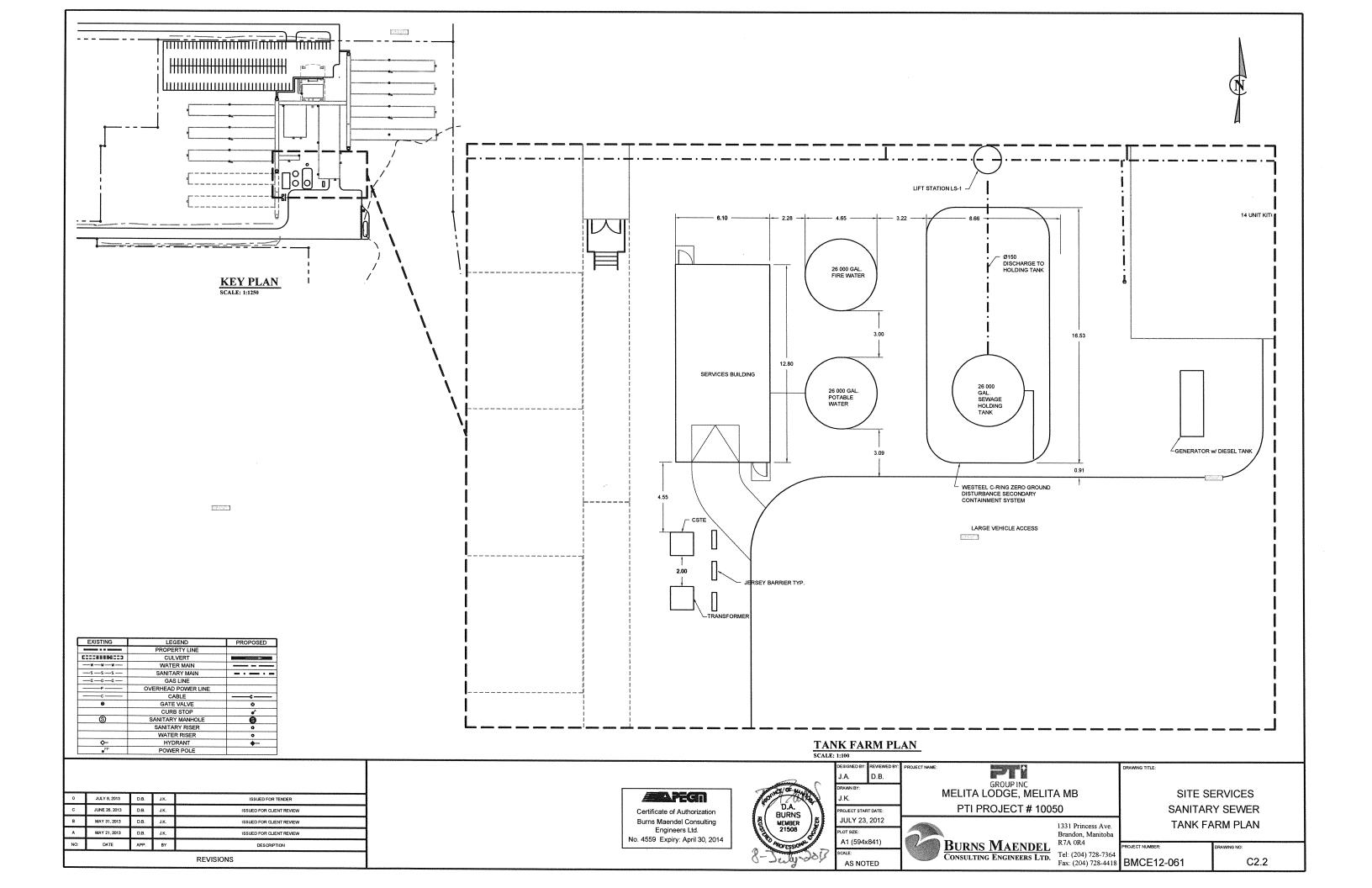


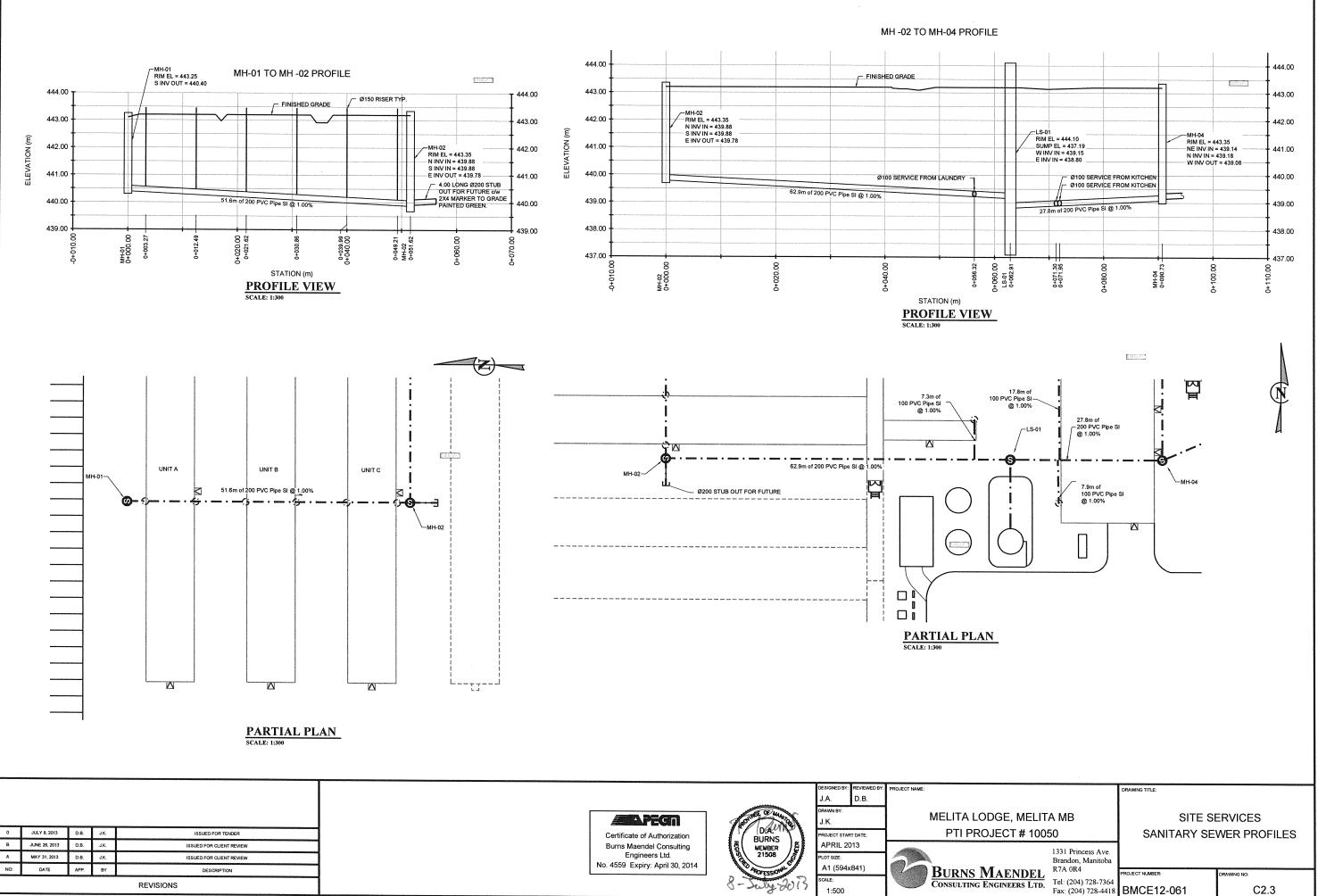
D O 110.	
C2.1	SEWE
C2.2	SEWE
C2.3	SEWE
C2.4	SEWE
C2.5	SEWE
C2.6	SEWE
C2.7	SEWE
C2.8	SEWE
C3.1	WATE
C3.2	WATE
C3.3	WATE
C3.4	WATE
DWG NO.	
M1.1	POTAI
M1.2	POTAI
M1.3	POTAI
M1.4	POTAI
M1.5	POTAI
M1.6	POTAI
M1.7	PROPA
M2.1	SERVI
PFD1	POTAI
PFD2	SEWA

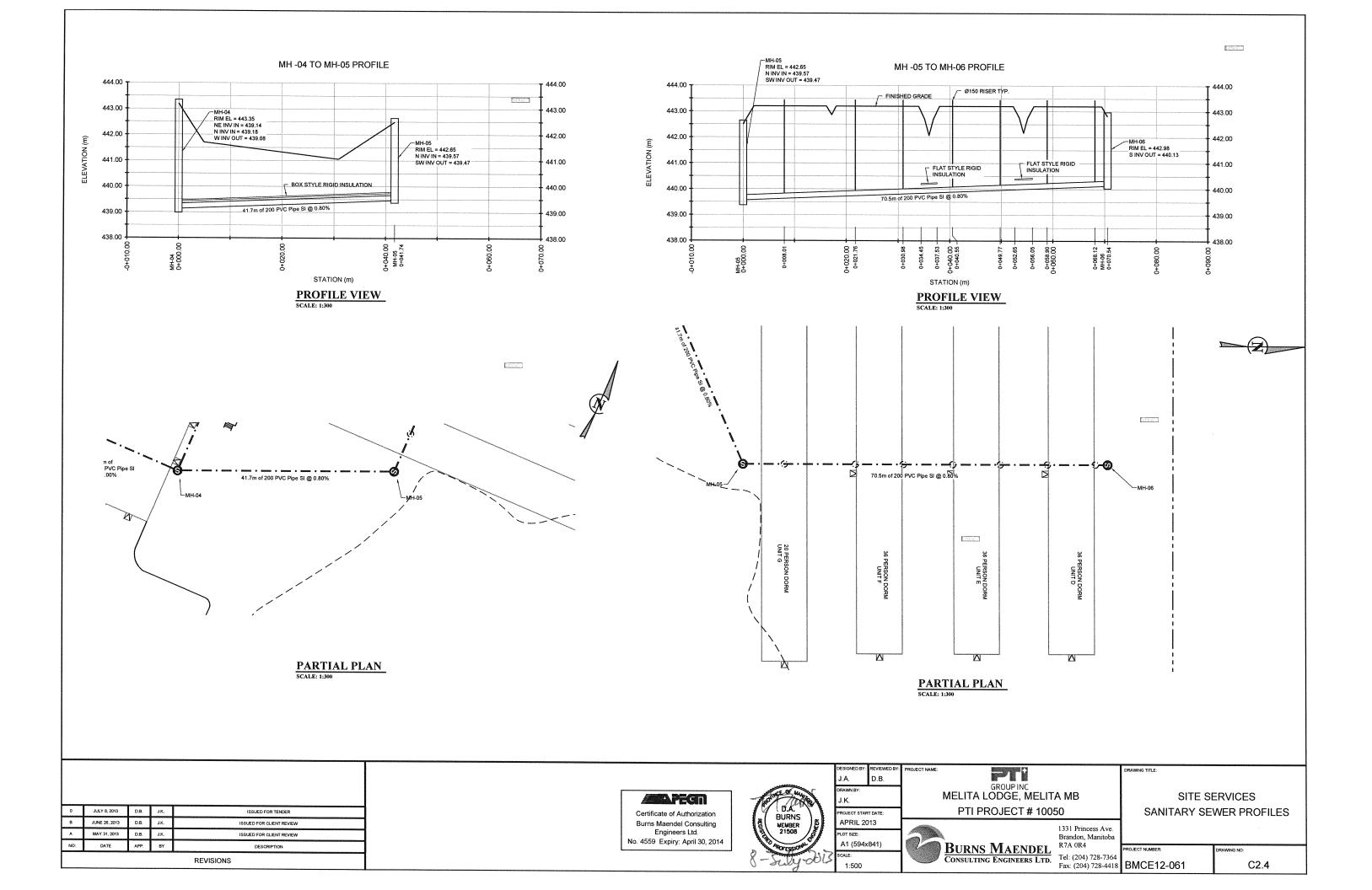
DWG NO.

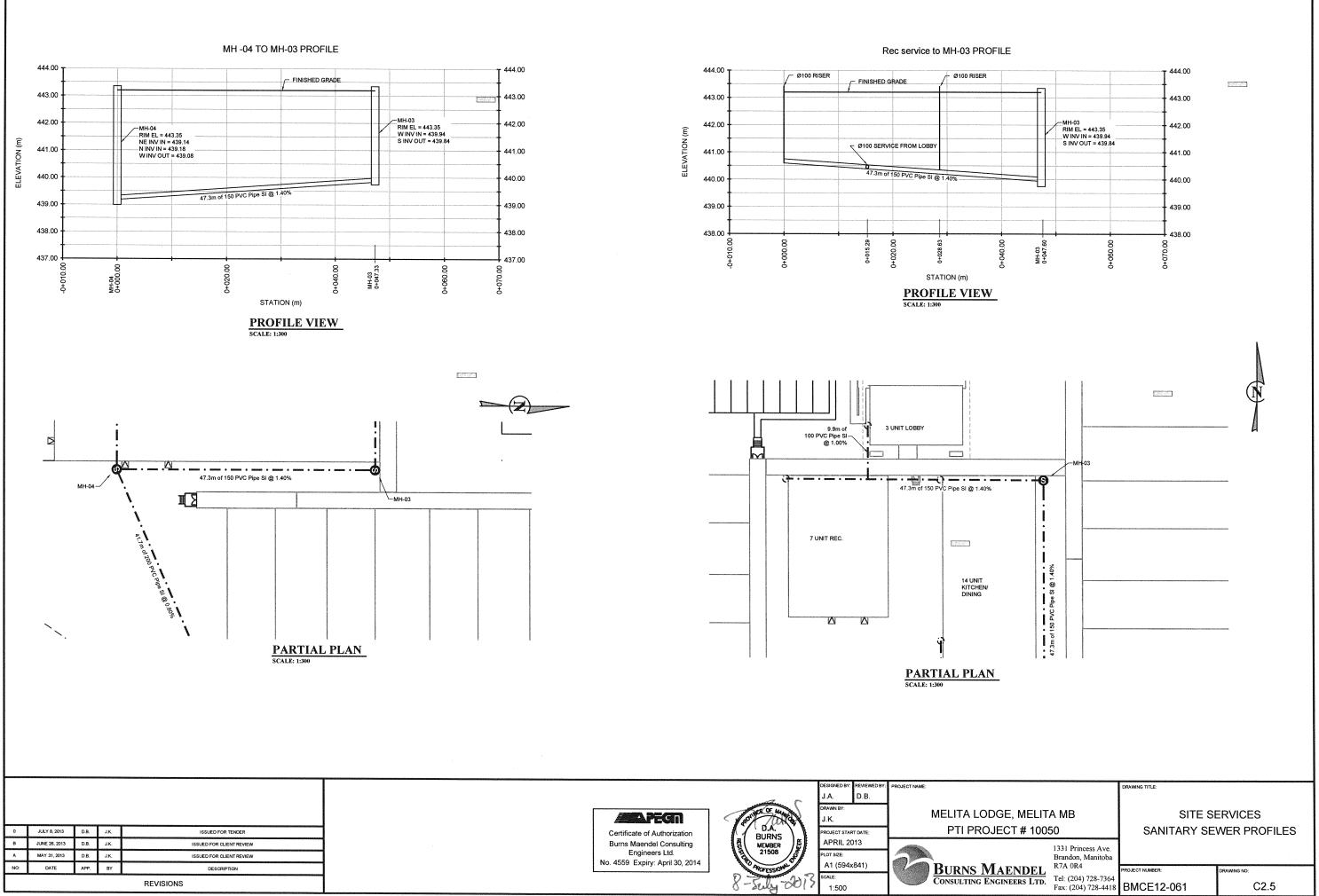
DRAWING NAME REV R SERVICES FLAN 1 R REVERTIES 0 R PROFILES 0 R PROFILES 0 R SECTIONS & DETAILS 0 BLE WATRE & SANTRAY GENERAL ARRANGEMENT PLAN 0 BLE WATRE & SANTRAY DETAILS 0 GG PUMPINGSTORAGE/TRANSFER SYSTEM FLOW SCHEMATIC 0 GG PUMPINGSTORAGE/TRANSFER SYSTEM FLOW SCHEMATIC 0 <tr< th=""><th>CIVIL I</th><th>DRAWINGS</th><th></th></tr<>	CIVIL I	DRAWINGS	
R TANK FARM PLAN 0 R PROFILES 0 R PROFILES 0 R PROFILS 0 R PROFILS 0 R SECTIONS & DETAILS 0 R R R SONT R SECTIONS R SECTIONS R R SYSTEM FLOW SCHEMATIC 0 R PROJECT DESCRIPTION R R SECTIONS R SECTIONS R R SYSTEM FLOW SCHEMATIC 0 R PROJECT DESCRIPTION		AWING NAME	
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BLE WATER & SANITARY GENERAL ARRANGEMENT PLAN 0 BLE WATER & SANITARY DETAILS 0 ANE DISTRIBUTION GENERAL ARRANGEMENT PLAN 0 ICES BULDING VENTILATION GENERAL ARRANGEMENT PLAN 0 ICES BULDING VENTILATION GENERAL ARRANGEMENT PLAN 0 IGE PUMPING/STORAGE/TRANSFER SYSTEM FLOW SCHEMATIC 0 IGE PUMPING/STORAGE/TRANSFER SYSTEM FLOW SCHEMATIC 0 MATER SYSTEM FLOW SCHEMATIC 0 IGE PUMPING/STORAGE/TRANSFER SYSTEM FLOW SCHEMATIC 0 MATER SYSTEM FLOW SCHEMATIC <t< td=""><td>MECHANIC</td><td>AL DRAWINGS</td><td></td></t<>	MECHANIC	AL DRAWINGS	
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PROJECT NO:	BLE WATER & SANITARY GEN BLE WATER & SANITARY GEN BLE WATER & SANITARY GEN BLE WATER & SANITARY LIF BLE WATER & SANITARY DET ANE DISTRIBUTION GENERAL ICES BUILDING VENTILATION BLE WATER SYSTEM FLOW SO	VERAL ARRANGEMENT PLAN NERAL ARRANGEMENT PLAN VERAL ARRANGEMENT PLAN T STATION DETAILS CAILS . ARRANGEMENT PLAN I GENERAL ARRANGEMENT PLAN CHEMATIC	0 0 0 0 0 0 0 0 0
PROJECT NO:			
	PROJECT DI	ESCRIPTION	
Y 26, 2013 BMCE12-061		PROJECT NO:	
	Y 26, 2013		

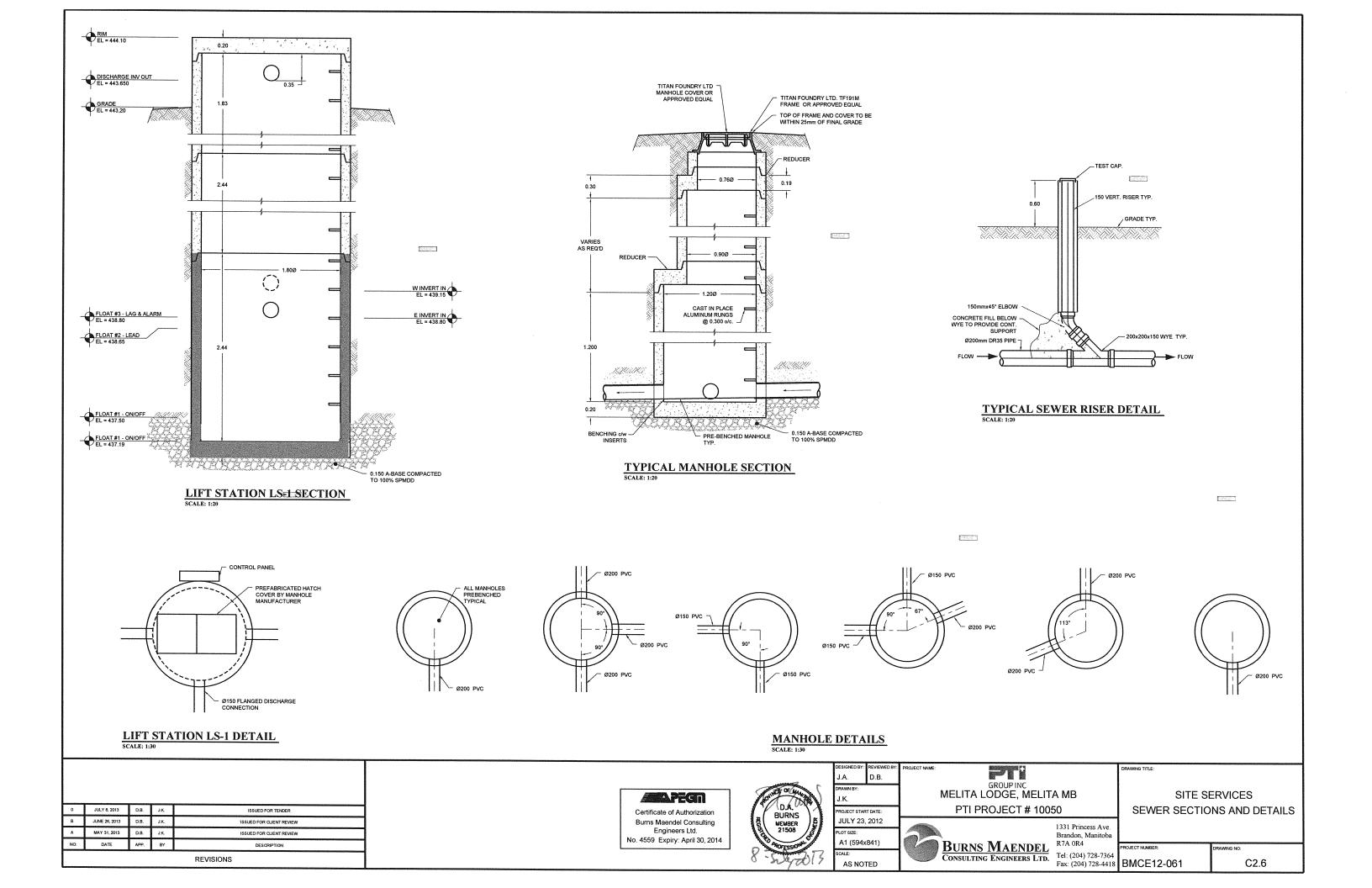


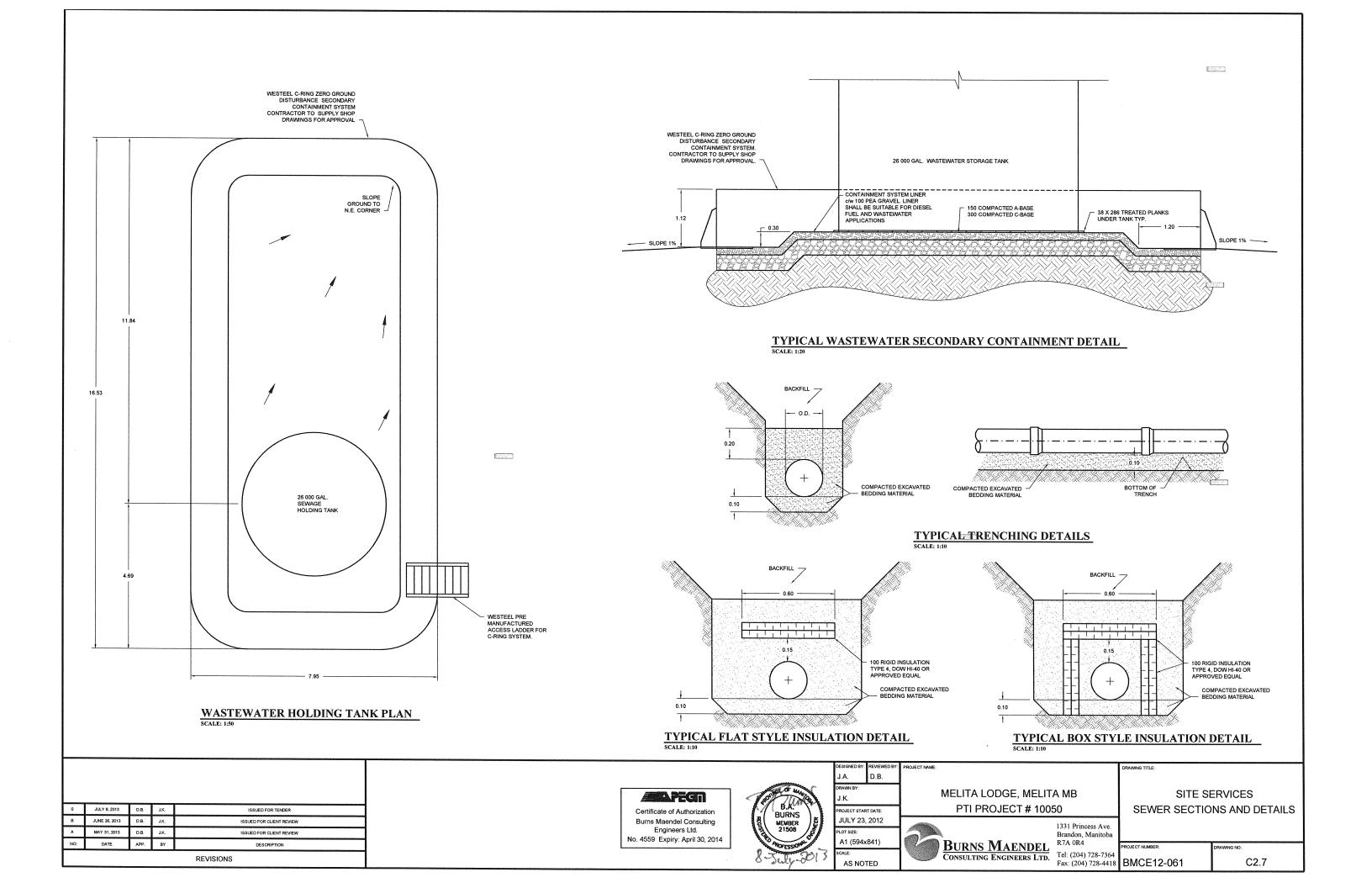


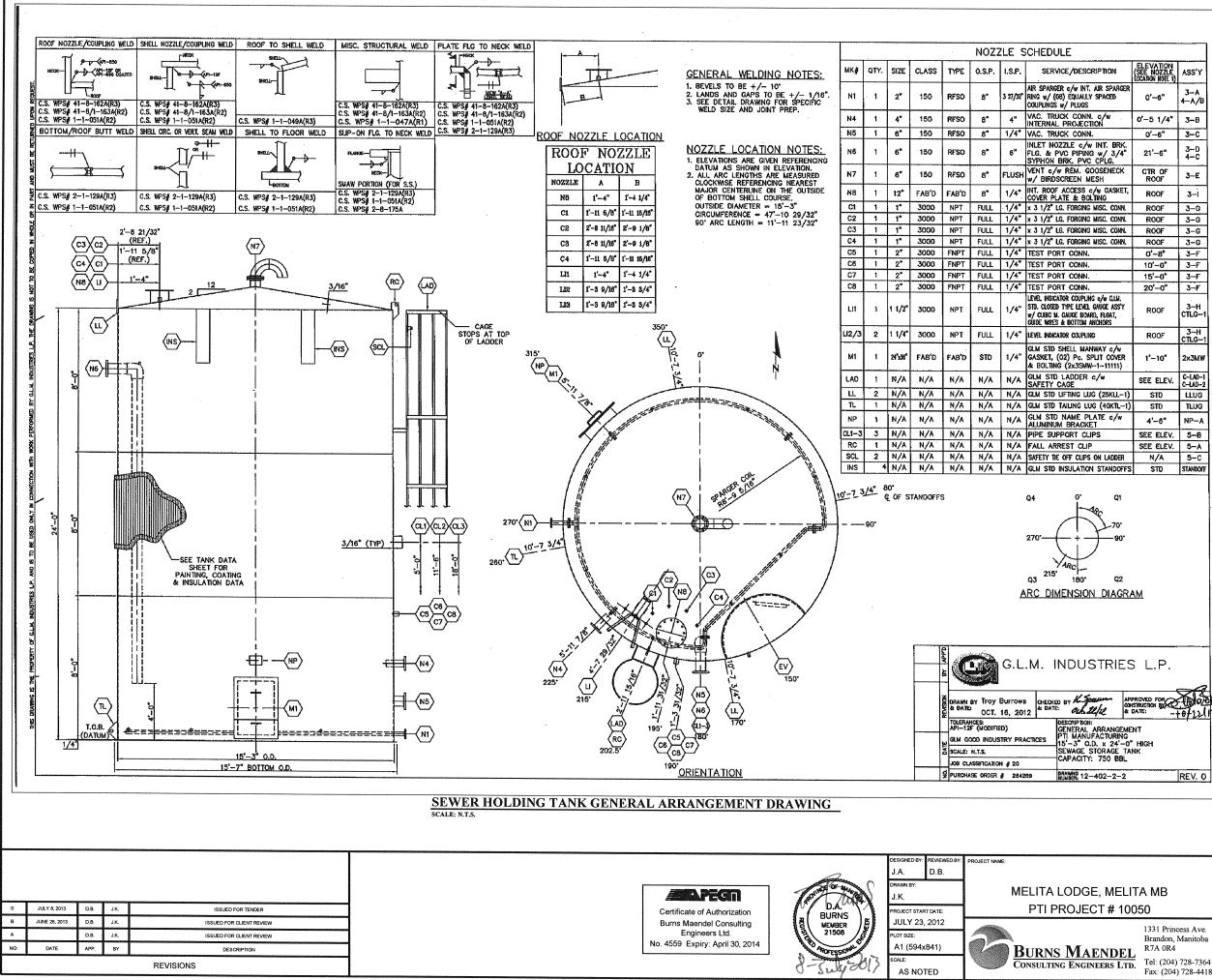










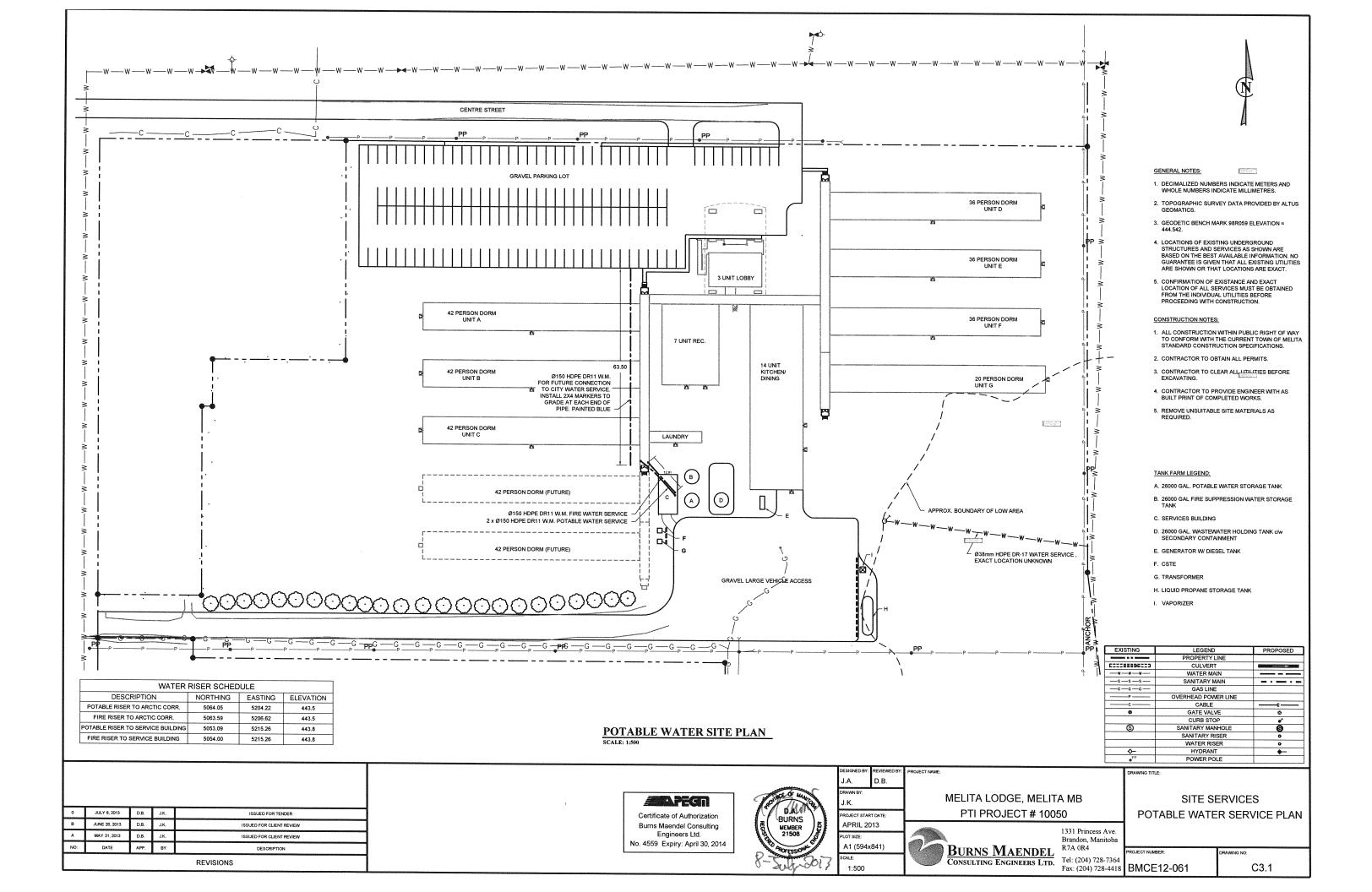


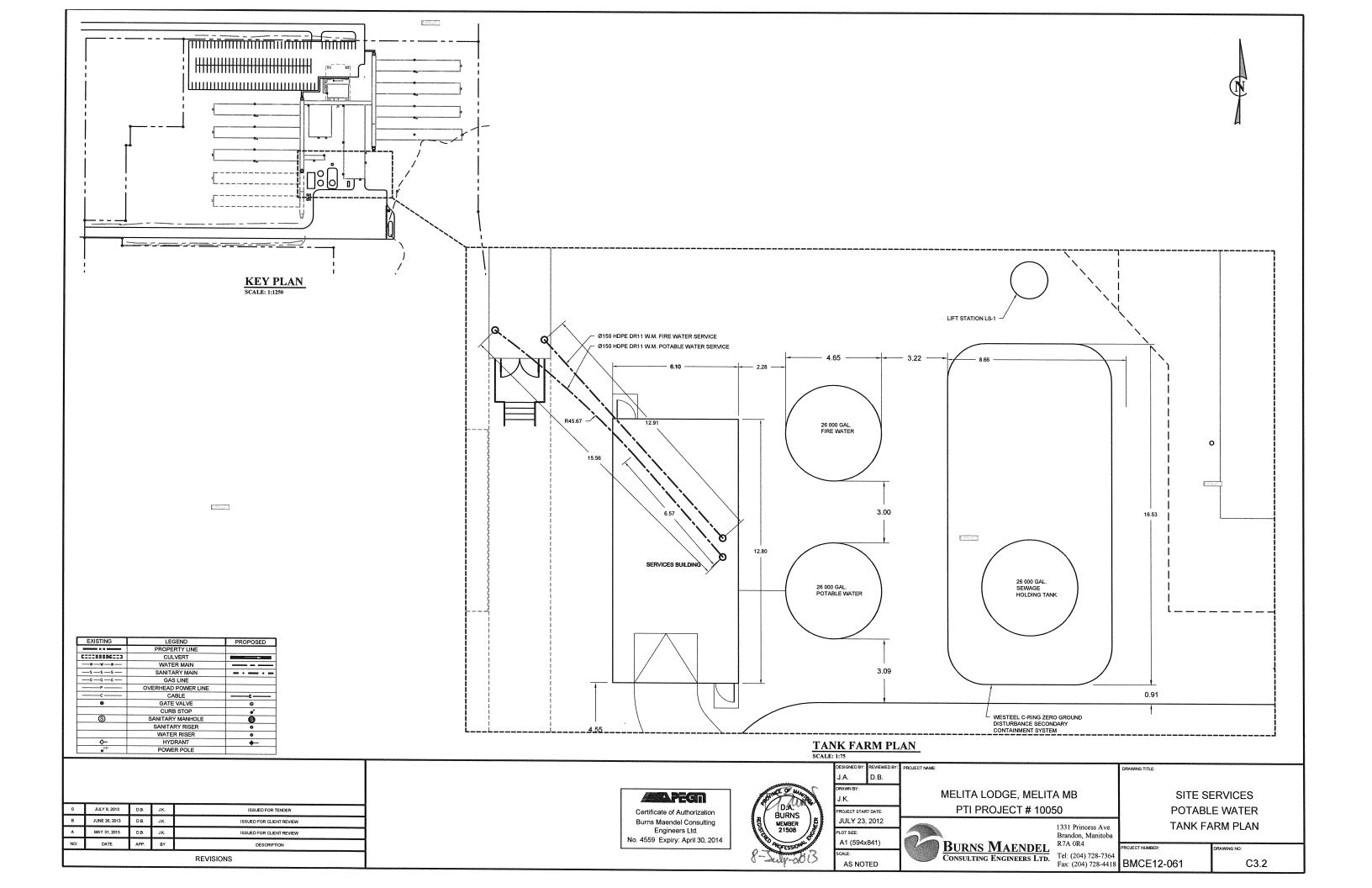
DESCRIPTION	ELEVATION (SEE NOZZLE LOCATION KOTE 1)	ASS'Y	
INT. AIR SPARGER	LOCATION HOTE 1)		
UALLY SPACED	0'-6"	3-A 4-A/B	
ONN. c/w	0'-5 1/4"	3B	
JECTION	0'-6"	3-C	
c/w INT. BRK.		3-D	
PING w/ 3/4" PVC CPLG.	21'-6"	4-C	
A. GOOSENECK	CTR OF	3E	
N MESH	ROOF		
BOLTING	ROOF	3-1	
rging Misc. Conn.	ROOF	3-G 3-G	
RGING MISC. CONN.	ROOF	3-G	
rging misc. cohn.	ROOF	3-G	
DNN.	0'8"	3-F	
DNN.	10'-0"	3F	
ONN.	15'-0" 20'0"	3F 3F	
DUPLING c/w G.L.H.			
LEVEL GAUGE ASS'Y E BOARD, FLOAT, ITOM ANCHORS	ROOF	3H CTLG1	
DUPLING	ROOF	3-H CTLG-1	
MANWAY c/w c. Split cover	9 ³ 4.0 [#]		
3SMW111111)	1'-10"	2x3MW	
DER c/w	SEE ELEV.	C-LAD-1 C-LAD-2	
G LUG (25KLL-1)	STD	LLUG	
E PLATE c/w	STD	TLUG	
ACKET	4'-6"	NP-A	
	SEE ELEV.	5-8	
CLIP CLIPS ON LADDER	SEE ELEV.	5-A 5-C	
ATION STANDOFFS		STANDOFF	
BO' Q2	AM		
USTRIES	5 L.P.		
PTION: RAL ARRANGEME ANUFACTURING 5" O.D. x 24'-0' GE STORAGE TA	PROVED FOR ISTRUCTION BY INT HIGH NK	Tolas of 121	Ī
GIT: 750 BBL			
³ 12-402-2-2		REV. O	
			DRAWING TITLE:
	TA 140		
DGE, MELI			SITE SERVICES
JECT # 10	050		SEWER SECTIONS AND DETAIL
	1331 Princ	ess Ave.	
	Brandon		

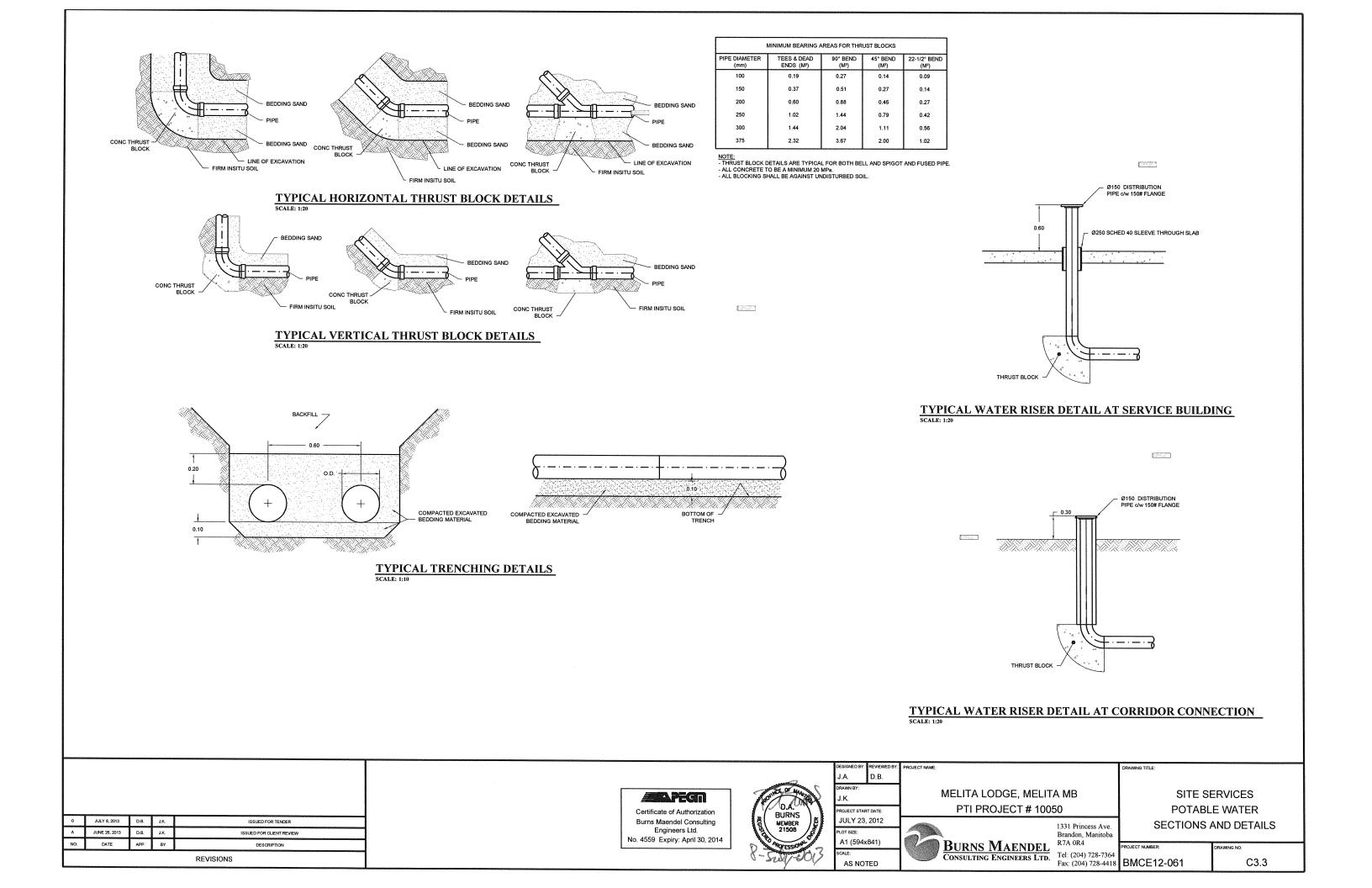
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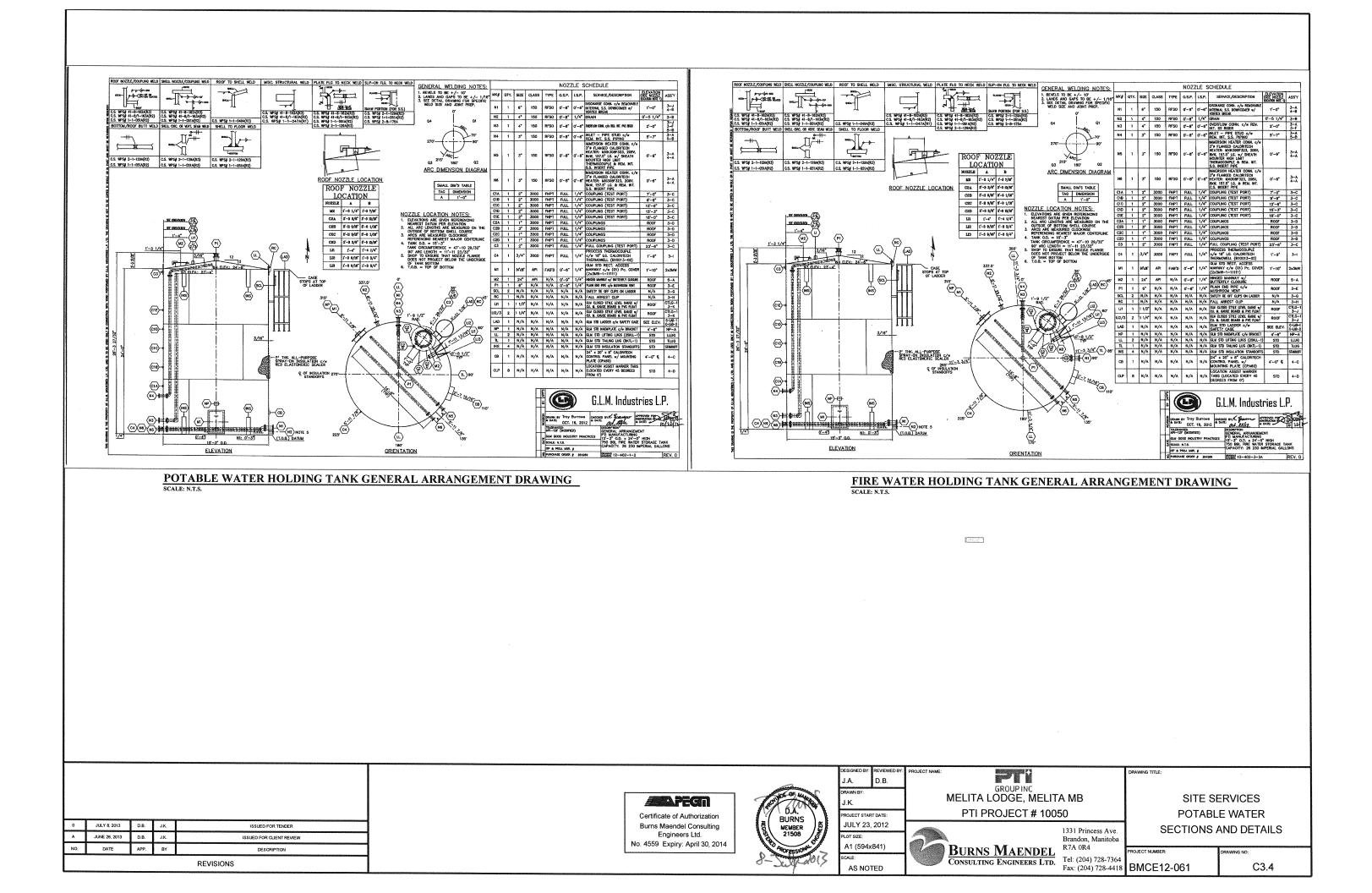
D. Tel: (204) 728-7364 Fax: (204) 728-4418 BMCE12-061

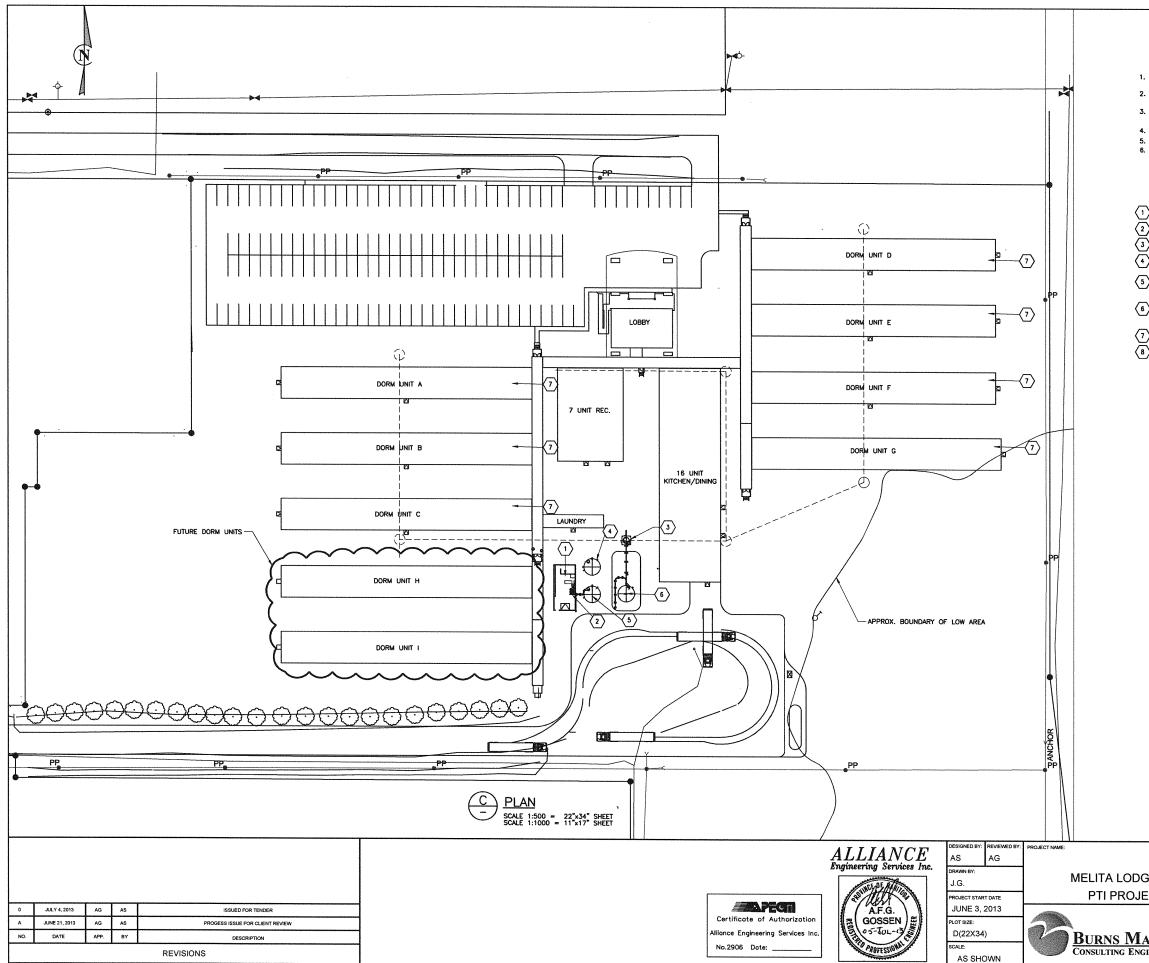
ROJECT NUMBER









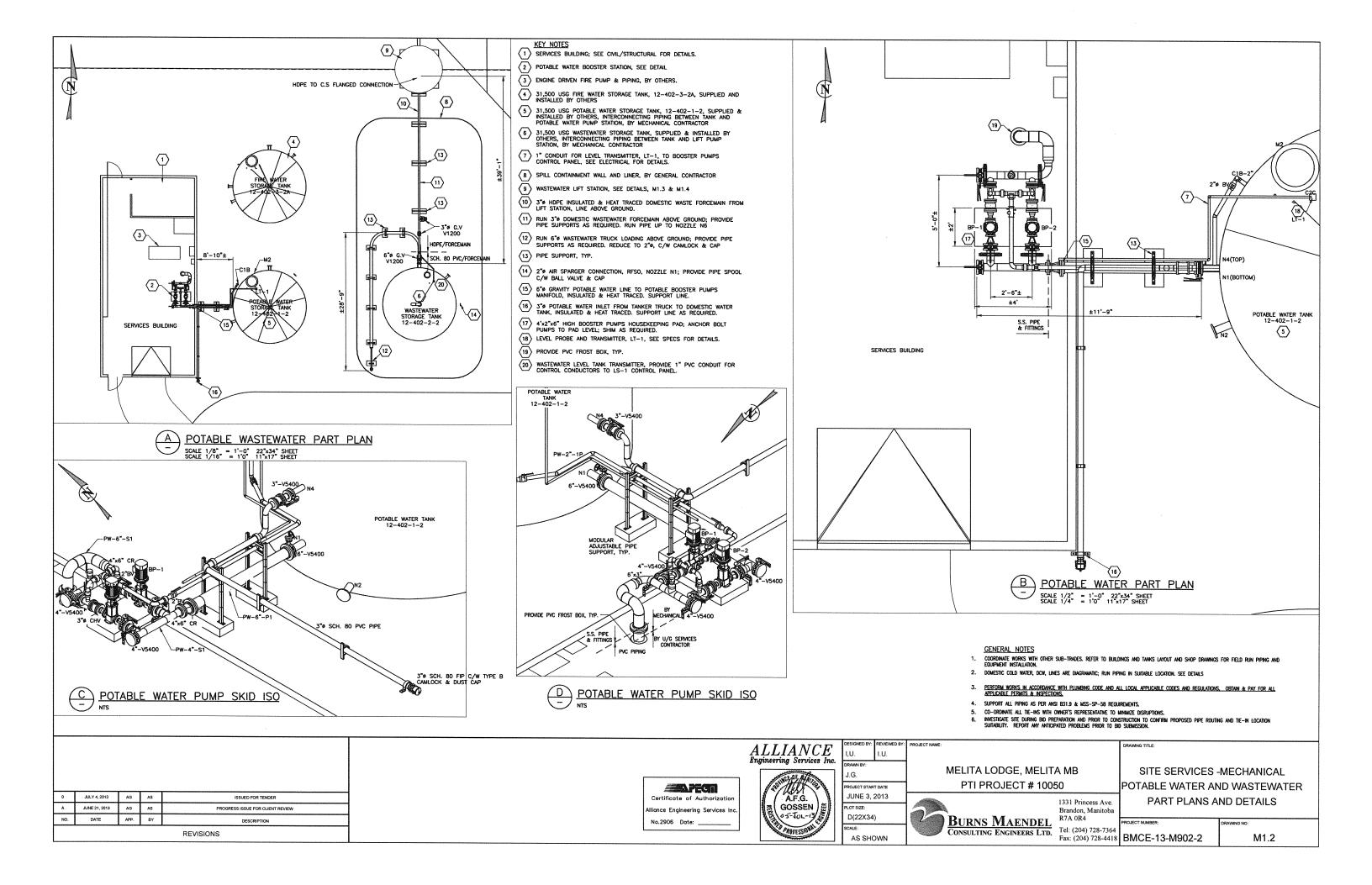


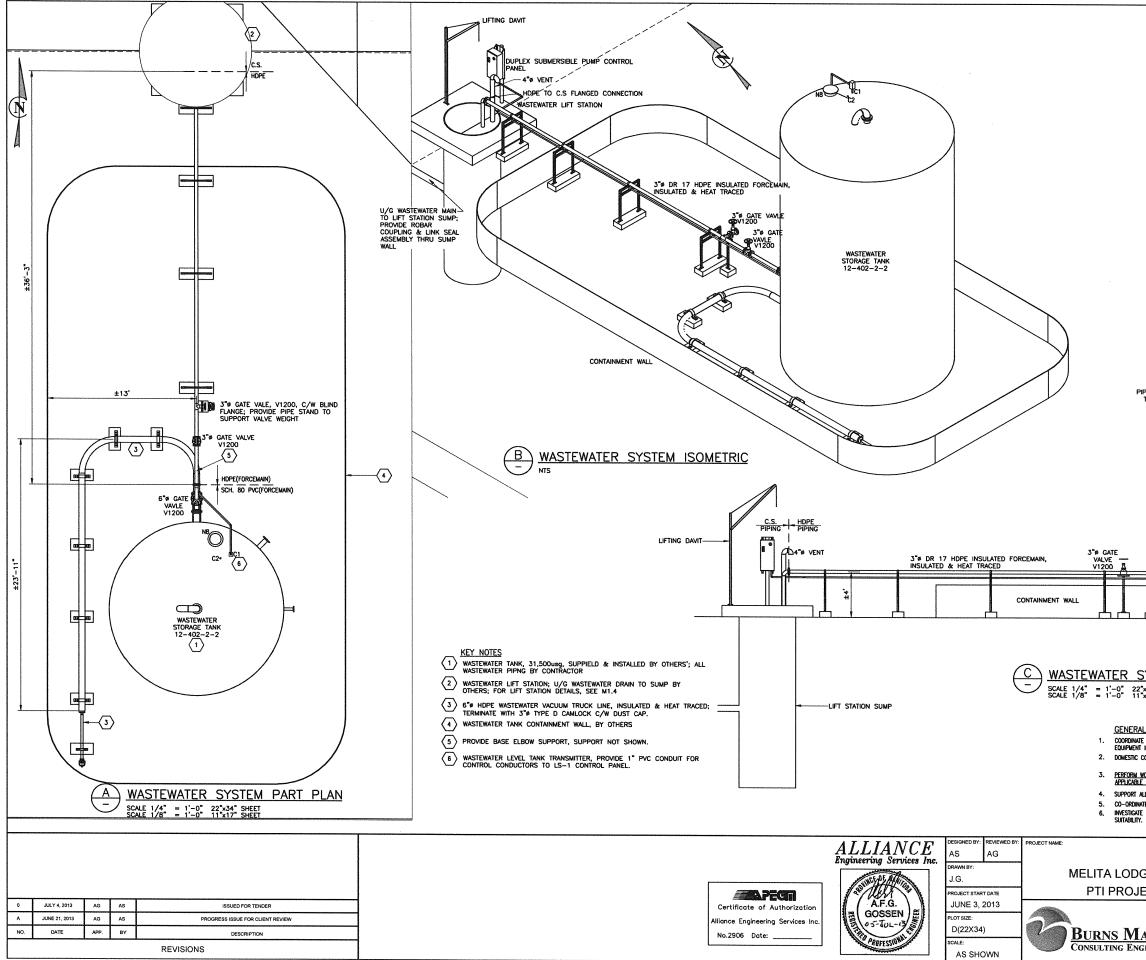
GENERAL NOTES

- COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO BUILDINGS AND TANKS LAYOUT AND SHOP DRAWINGS FOR FIELD RUN PIPING AND EQUIPMENT INSTALLATION.
- 2. POTABLE COLD WATER, DCW, LINES ARE DIAGRAMATIC; RUN PIPING IN SUITABLE LOCATION. SEE DETAILS
- 3. PERFORM WORKS IN ACCORDANCE WITH PLUMBING CODE AND ALL LOCAL APPLICABLE CODES AND REGULATIONS. OBTAIN & PAY FOR ALL APPLICABLE PERMITS & INSPECTIONS.
- 4. SUPPORT ALL PIPING AS PER ANSI B31.9 & MSS-SP-58 REQUIREMENTS.
- CO-ORDINITE ALL TIE-INS WITH OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTIONS.
 INVESTIGATE STE DURING IBD PREPARATION AND PROF TO CONSTRUCTION TO CONFIRM PROPOSED PIPE ROUTING AND TE-IN LOCATION SUITABILITY. REPORT ANY ANTICIPATED PROBLEMS PRIOR TO BID SUBMISSION.

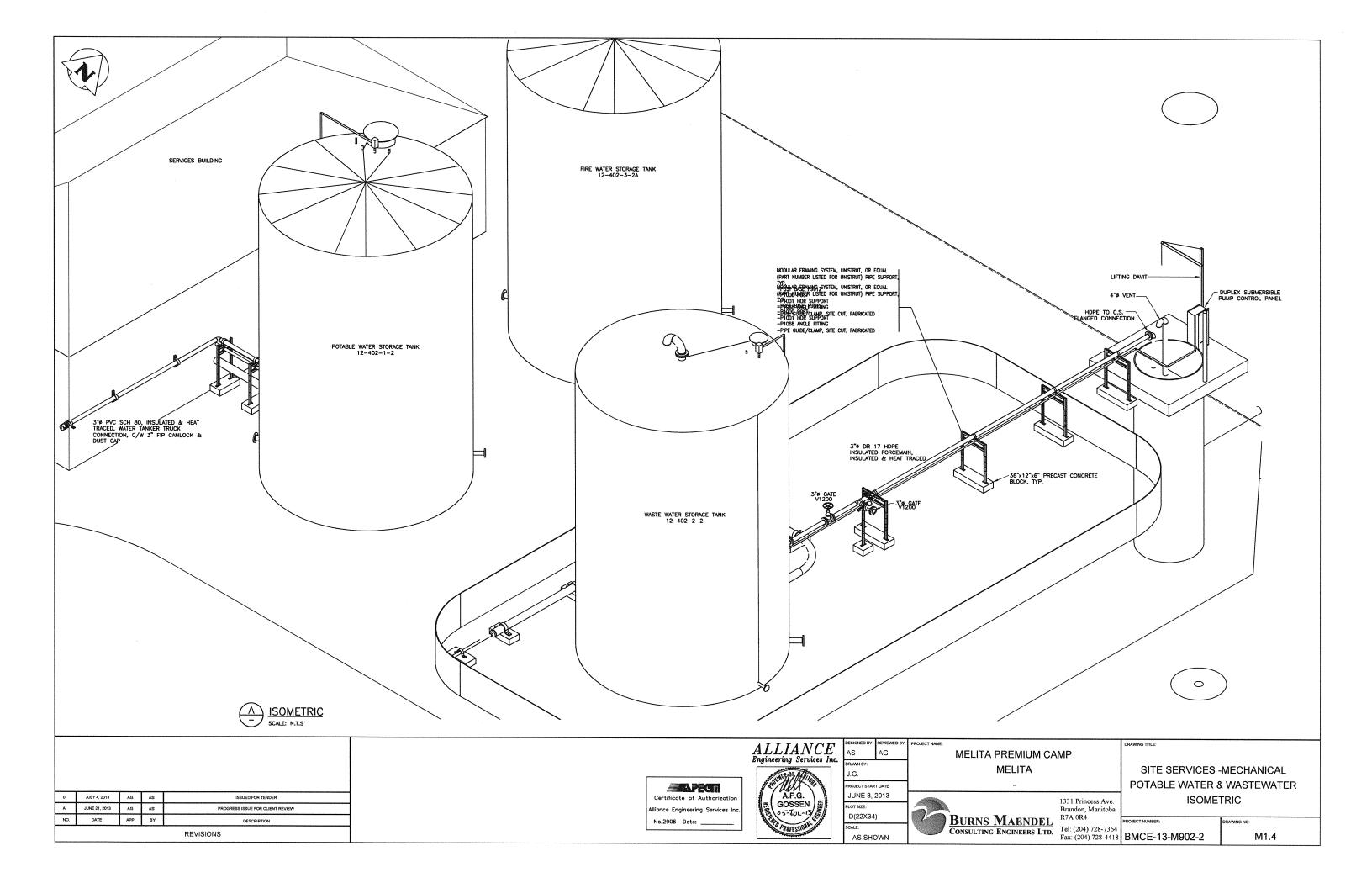
- $\underbrace{ \frac{\text{KEY NOTES}}{1} \text{ services building; see civil & structural drawings for details.} }$
- $\langle 2 \rangle$ potable water distribution pump station, see M1.2 for details.
- $\overline{(3)}$ SANITARY LIFT STATION, SEE DRAWING M1.3 FOR DETAILS
- (4) 31,500 USG FIRE WATER STORAGE TANK, SUPPLIED OWNER AND INSTALLED BY OTHERS; FOR PIPING AND PUMP DETAILS SEE ?
- 5 31,500 USG POTABLE WATER STORAGE TANK, SUPPLIED OWNER & INSTALLED BY CONTRACTOR, INTERCONNECTING PIPING BETWEEN TANK AND POTABLE WATER PUMP STATION, BY MECHANICAL CONTRACTOR
- (6) 31,500 USG WASTEWATER TANK, SUPPLIED OWNER & INSTALLED BY CONTRACTOR, INTERCONNECTING PIPING BETWEEN TANK AND LIFT PUMP STATION, BY MECHANICAL CONTRACTOR
- $\langle 7 \rangle$ CAMP DORM, TYP.
- $\overbrace{8}^{\underbrace{8}} \text{ site domestic water sanitary services not shown. See BMCE drawings c2.1 & c2.2.}$

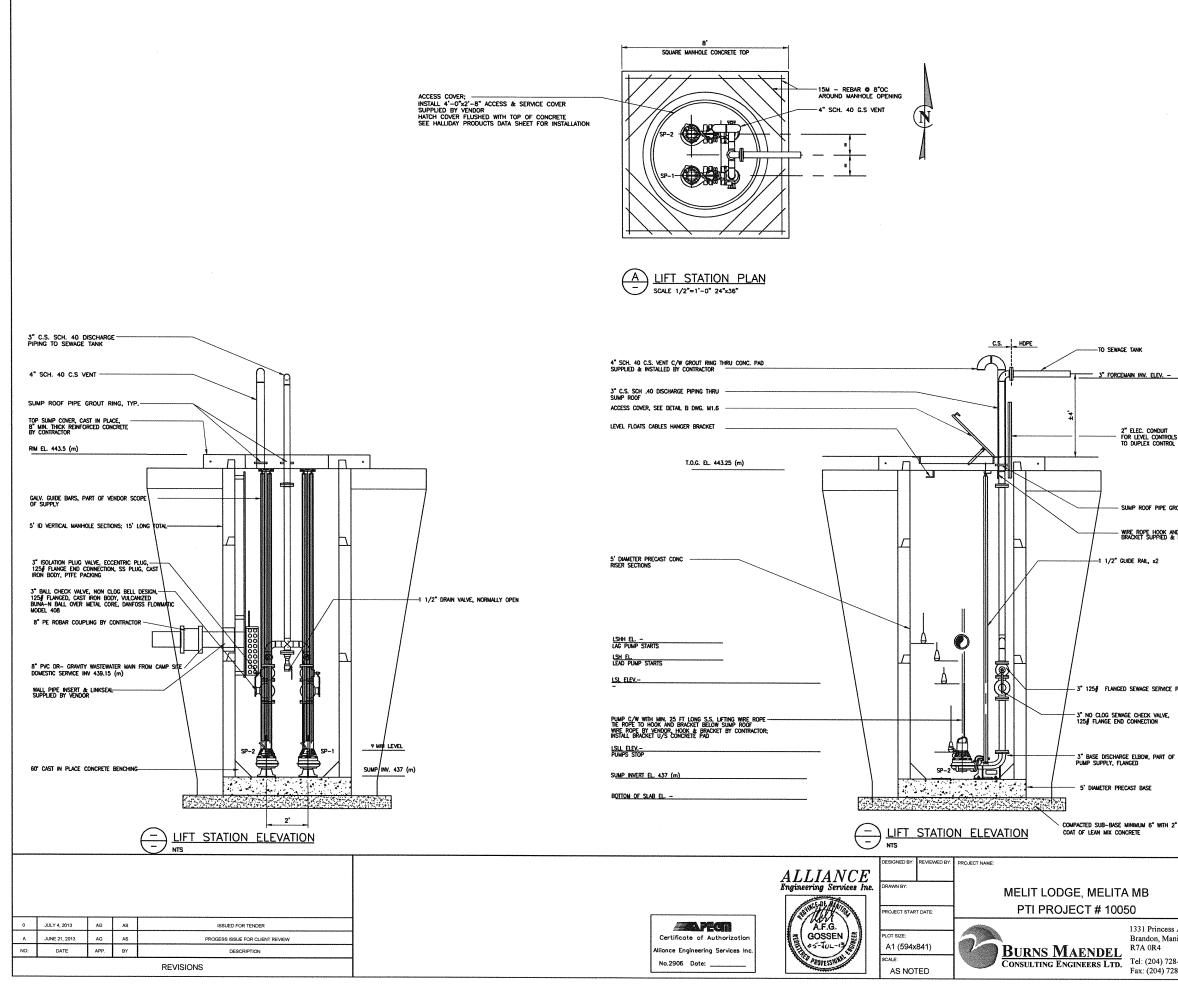
		DRAWING TITLE:	
GE, MELITA MB		SITE SERVICES -MECHANICAL	
ECT # 10050		POTABLE WATER & SANITARY	
1331 Princess Ave. Brandon, Manitoba R7A 0R4		GENERAL ARRAN	GEMENT PLAN
<u>AENDEL</u>		PROJECT NUMBER:	DRAWING NO:
GINEERS LTD.	Tel: (204) 728-7364 Fax: (204) 728-4418	BMCE-12-061	M1.1





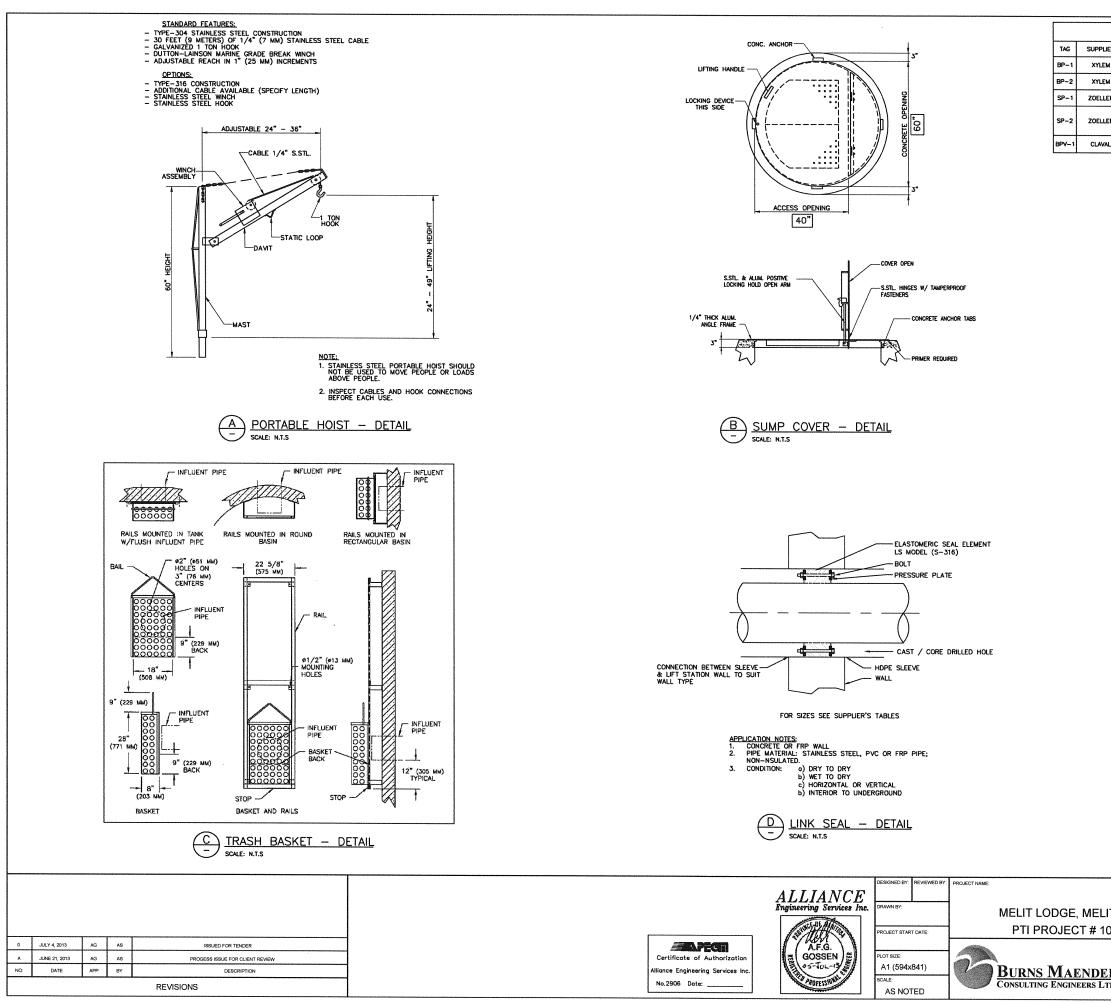
IPE SUPPORTS BY
WASTEWATER STORAGE TANK 12-402-2-2
SYTEM ELEVATION "*34" Sheet *x17" Sheet *x17" Sheet AL NOTES I works with other sub-trades, refer to buildings and tanks layout and shop drawings for field run piping and i wistallation. COLD water, dow, lines are dagrawatic; run piping in suitable location, see details works in accordance with plumbing code and all local applicable codes and regulations, obtain & pay for all e premise & inspections, All piping as per ansi b31.9 & inss-sp-38 requirements, at lat Leting, bath owner's representative to winnuze dosruptions. e site during bid preparation and prior to construction to confirm proposed pipe routing and te-in location f. report any anticipated probleds prior to bid subjestice.
GE, MELITA MB SITE SERVICES -MECHANICAL ECT # 10050 POTABLE WATER & WASTEWATER 1331 Princess Ave. Brandon, Manitoba
AENDEL R7A 0R4 PROJECT NUMBER: DRAWING NO: GINEERS LTD. Tel: (204) 728-7364 BMCE-13-M902-2 M1.3





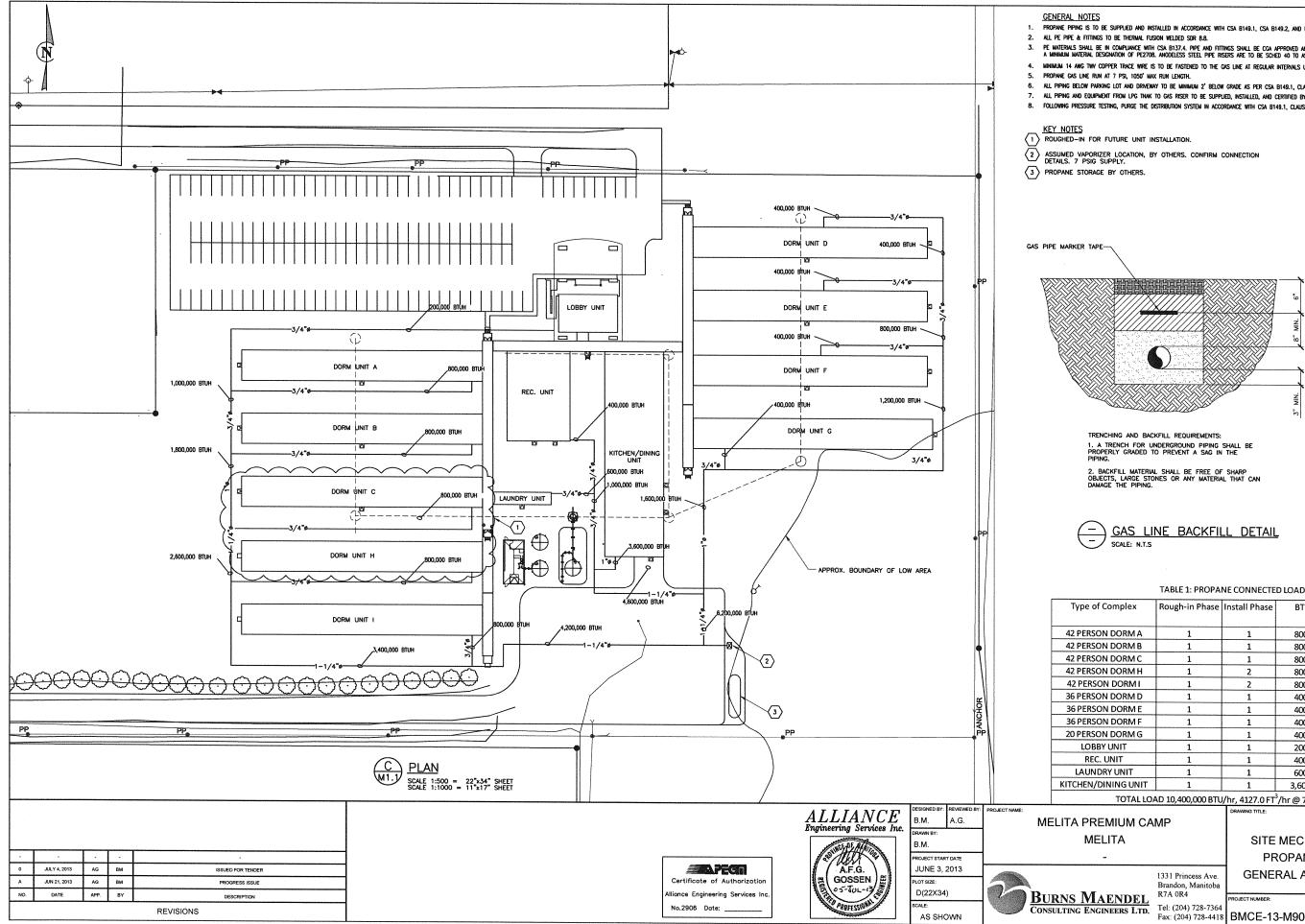
2" ELEC. CONDUIT FOR LEVEL CONTROLS & PUME TO DUPLEX CONTROL PANEL	rs.				
SUMP ROOF PIPE GROUT RING	, TYP.				
WIRE ROPE HOOK AND BRACKE BRACKET SUPPIED & INSTALLEI	T D BY CONTRACTOR				
1/2" GUIDE RAIL, x2					
FLANGED SEWAGE SERVICE PLUG VAL	VE				
OG SEWAGE OUEDK VALVE					
OG SEWAGE CHECK VALVE, NGE END CONNECTION					
DISCHARGE ELBOW, PART OF PLY, FLANGED					
TER PRECAST BASE					
B-base minimum 6" with 2" working Mix concrete	g skin				
	DRAWING TITLE:				
ELITA MB	SITE SERVICES				
10050	POTABLE WATE				
1331 Princess Ave. Brandon, Manitoba					
DEL Tel: (204) 728-7364	PROJECT NUMBER:	DRAWING NO:			
LID. Fax: (204) 728-4418	BMCE-13-M902-2	M1.5			

-TO SEWAGE TANK



EQUIPMENT LIST				
JPPLIER	MODEL	PERFORMANCE	COMMENTS	
XYLEM	-	AS SPECIFIED	-	
XYLEM	-	AS SPECIFIED	-	
OELLER	-	AS SPECIFIED	-	
OELLER	-	as specified	-	
CLAVAL	-	AS SPECIFIED	-	

		DRAWING TITLE:	
ELITA M ¢ 10050	IB	SITE SERVICES - POTABLE WATE	
1331 Princess Ave. Brandon, Manitoba B7A 0R4		DETA	ILS
DEL LTD. Tel	A 0K4 1: (204) 728-7364 K: (204) 728-4418	PROJECT NUMBER: BMCE-13-M902-2	DRAWING NO: M1.6



S	
0 BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH CSA B149.1, CSA B149.2, AND MANITOBA	GAS NOTICES.
igs to be thermal fusion welded SDR 8.8. Be in compliance with CSA B137.4. Pipe and fittings shall be CGA approved and of the	SAME COMPOSING WITH
designation of pe2708. Anodeless steel pipe risers are to be sched 40 to astm a53.	
COPPER TRACE WIRE IS TO BE FASTENED TO THE GAS LINE AT REGULAR INTERVALS USING LOW UN AT 7 PSI, 1050' MAX RUN LENGTH.	CONDUCTIVITY ELECTRICIAN'S TAPE.
RKING LOT AND DRIVEWAY TO BE MINIMUM 2' BELOW GRADE AS PER CSA B149.1, CLAUSE 6.15.	4.
PMENT FROM LPG TNAK TO GAS RISER TO BE SUPPLIED, INSTALLED, AND CERTIFIED BY OTHERS. TESTING, PURGE THE DISTRIBUTION SYSTEM IN ACCORDANCE WITH CSA B149.1, CLAUSE 6.23.	
TEAMO, FORCE THE DETRICTION STOLEN IN ACCORDINGLE WITH CAR BITS.1, CAUSE 0.20.	
R FUTURE UNIT INSTALLATION.	
RIZER LOCATION, BY OTHERS. CONFIRM CONNECTION	
GE BY OTHERS.	
PE	
	6 XX X XX X
	NATIVE SOIL
	NATIVE SOIL: HAND
	PLACED, HAND TAMPED
2	
	NATIVE SOIL: MACHINE

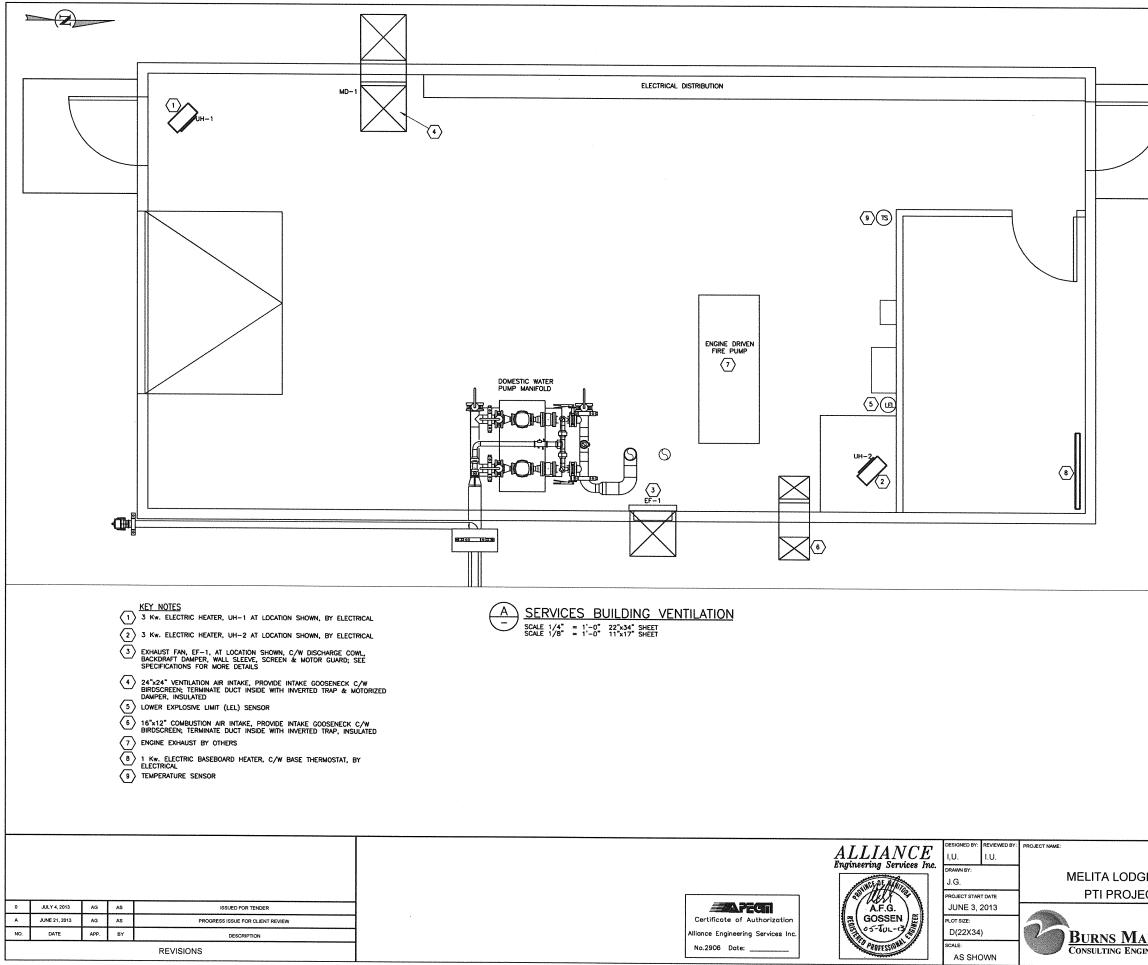
TABLE 1: PROPANE CONNECTED LOAD SUMMARY

of Complex	Rough-in Phase	Install Phase	BTU/hr	FT ³ /hr	Outlet Pressure
					in. w.c.
ON DORM A	1	1	800,000	317.5	11
ON DORM B	1	1	800,000	317.5	11
ON DORM C	1	1	800,000	317.5	11
ON DORM H	1	2	800,000	317.5	11
ON DORM I	1	2	800,000	317.5	11
ON DORM D	1	1	400,000	158.7	11
ON DORM E	1	1	400,000	158.7	11
ON DORM F	1	1	400,000	158.7	11
ON DORM G	1	1	400,000	158.7	11
BY UNIT	1	1	200,000	79.4	11
C. UNIT	1	1	400,000	158.7	11
DRY UNIT	1	1	600,000	238.1	11
DINING UNIT	1	1	3,600,000	1428.6	11
TOTAL LOA	AD 10,400,000 BTU	l/hr, 4127.0 FT	³ /hr @ 7PSI. MAX	RUN 1150	FT
		DRAWING TITLE:			
EMIUM CAMP					
ELITA		SITE	MECHANIC		VICES

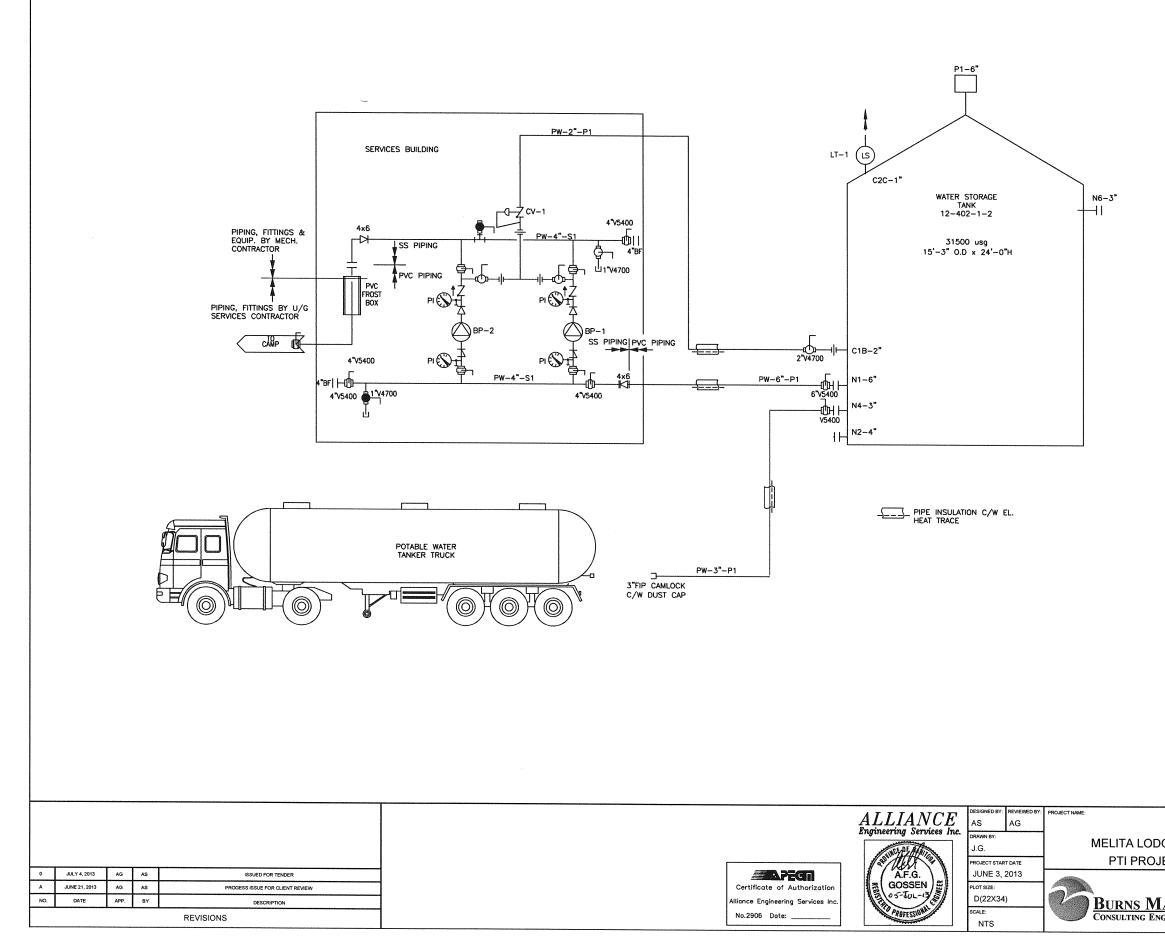
SITE MECHANICAL SERVICES PROPANE DISTRIBUTION GENERAL ARRANGEMENT PLAN

SAND: HAND PLACED, HAND TAMPED

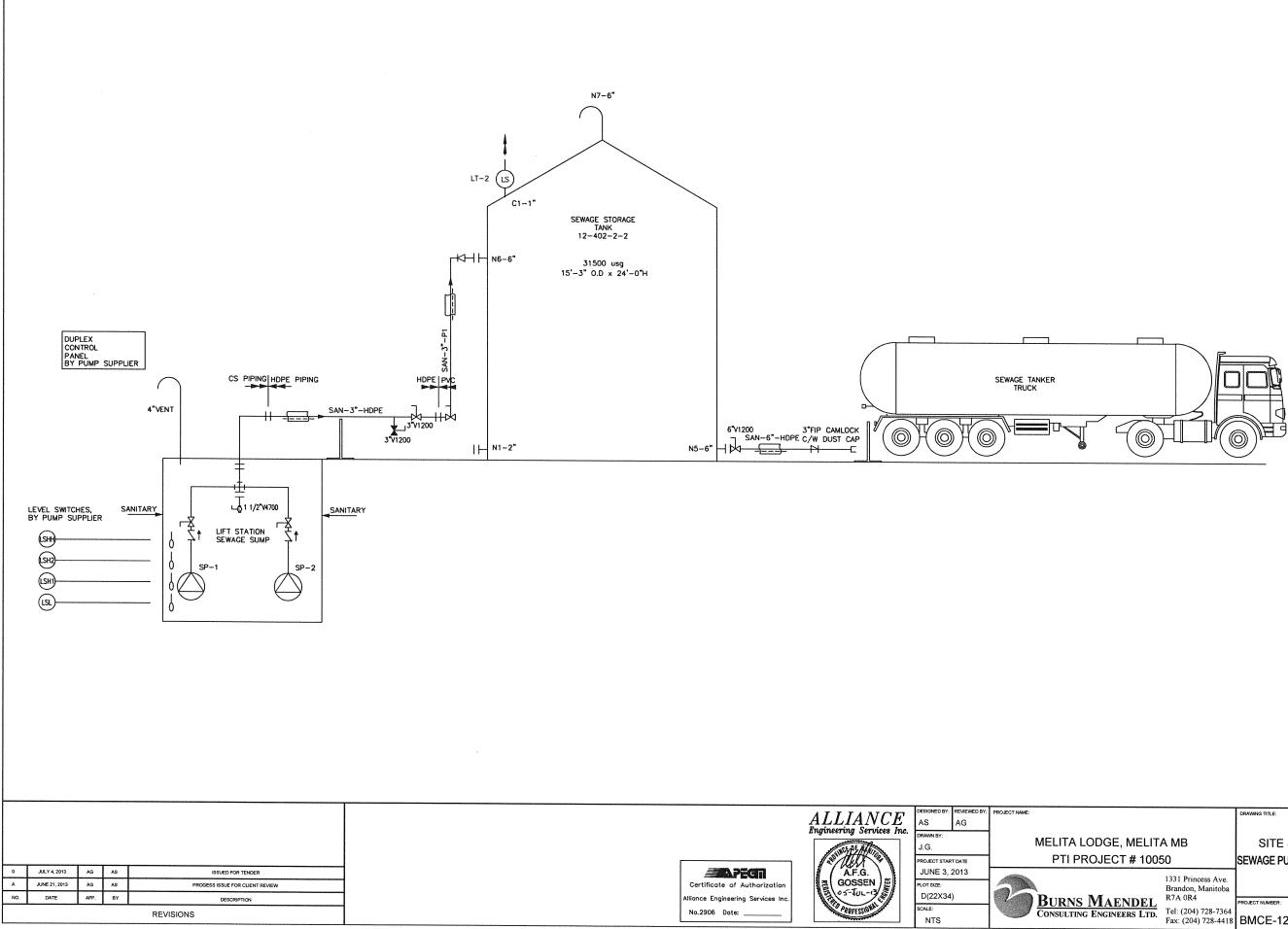
	1331 Princess Ave. Brandon, Manitoba R7A 0R4	GENERAL ARRAN	GEMENT PLAN
<u>AENDEL</u>	Tel: (204) 728-7364		DRAWING NO:
GINEERS LTD.		BMCE-13-M903-1	M1.7



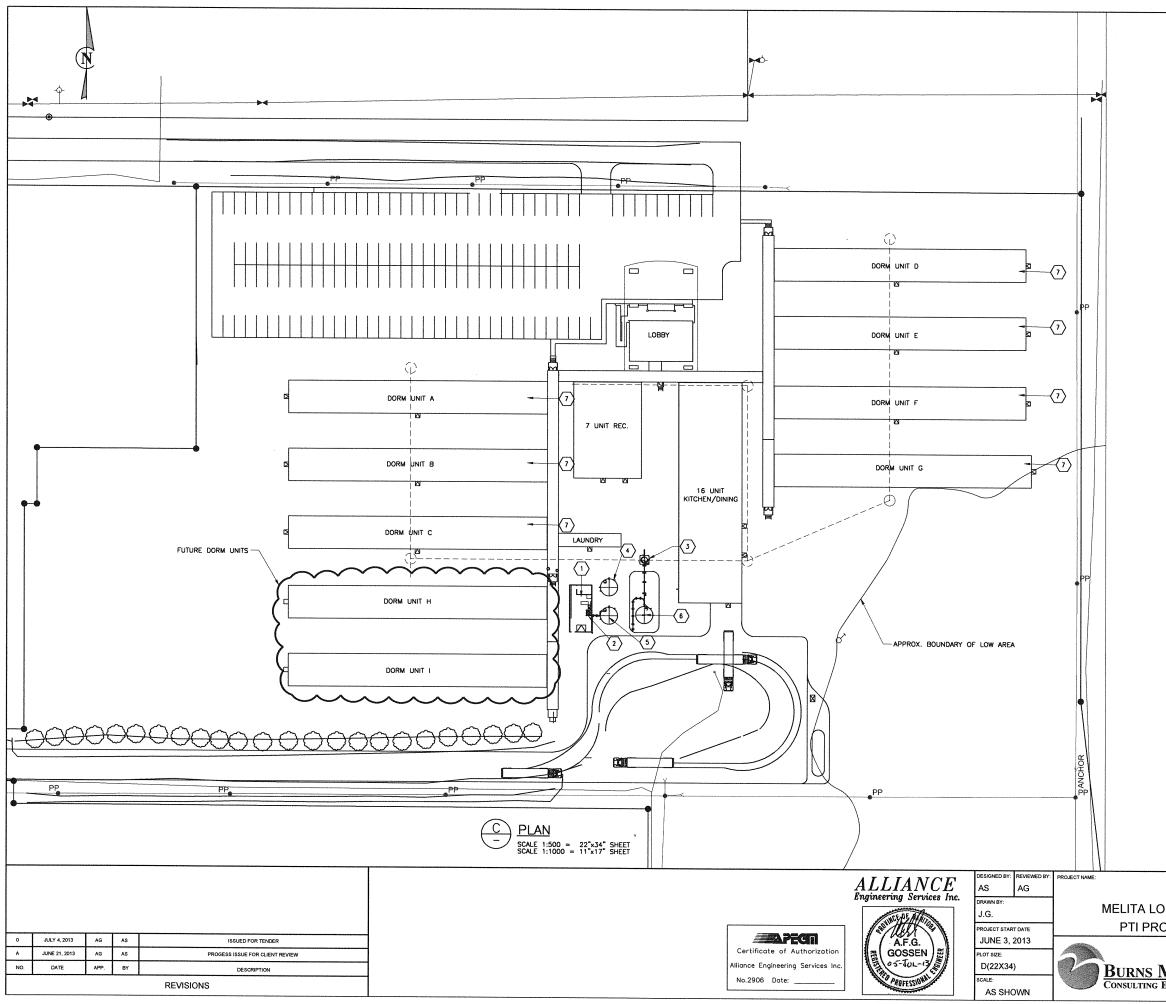
		DRAWING TITLE:	
GE, MELIT	A MB	SITE SERVICES -	MECHANICAL
ECT # 10050		SERVICES BUILDING VENTILATION	
1331 Princess Ave. Brandon, Manitoba R7A 0R4		GENERAL ARRAN	GEMENT PLAN
<u>AENDEL</u>	Tel: (204) 728-7364	PROJECT NUMBER:	DRAWING NO:
GINEERS LTD.	Fax: (204) 728-7364	BMCE-13-M902-2	M2.1



		DRAWING TITLE:	
GE, MELITA MB		SITE SERVICES -MECHANICAL	
ECT # 10050		POTABLE WATER SYSTEM	
1331 Princess A Brandon, Manit		FLOW SCH	EMATIC
AENDEL	R7A 0R4	PROJECT NUMBER:	DRAWING NO:
GINEERS LTD.	Tel: (204) 728-7364 Fax: (204) 728-4418	BMCE-12-061	PFD1



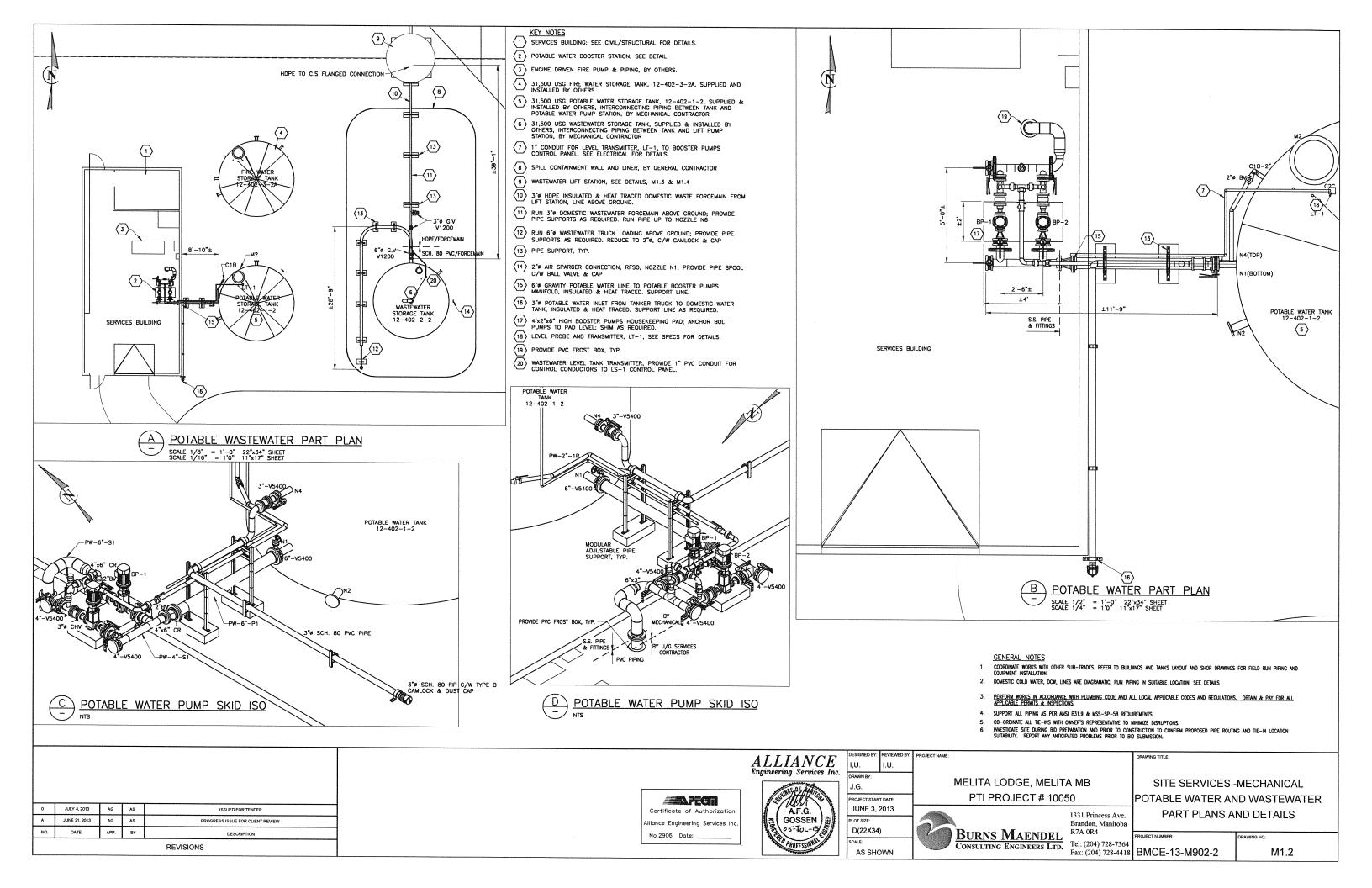
		DRAWING TITLE:		
GE, MELITA MB		SITE SERVICES -MECHANICAL		
ECT # 10050		SEWAGE PUMPING/STORAGE/TRANSFER SYSTEM		
1331 Princess Ave Brandon, Manitob		FLOW SCHEMATIC		
AENDEL	R7A 0R4	PROJECT NUMBER:	DRAWING NO:	
GINEERS LTD.	Tel: (204) 728-7364 Fax: (204) 728-4418	BMCE-12-061	PFD2	

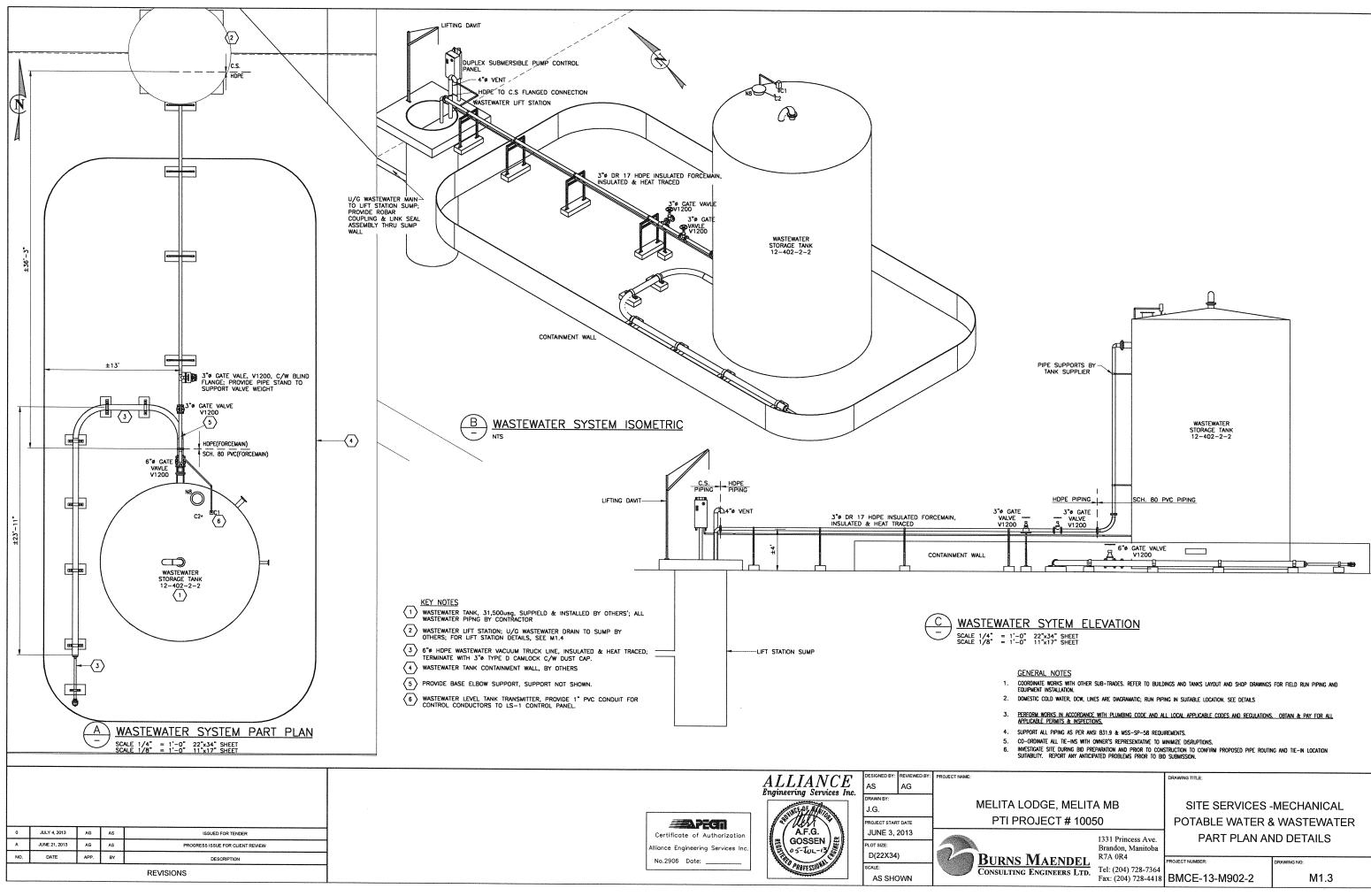


GENERAL NOTES

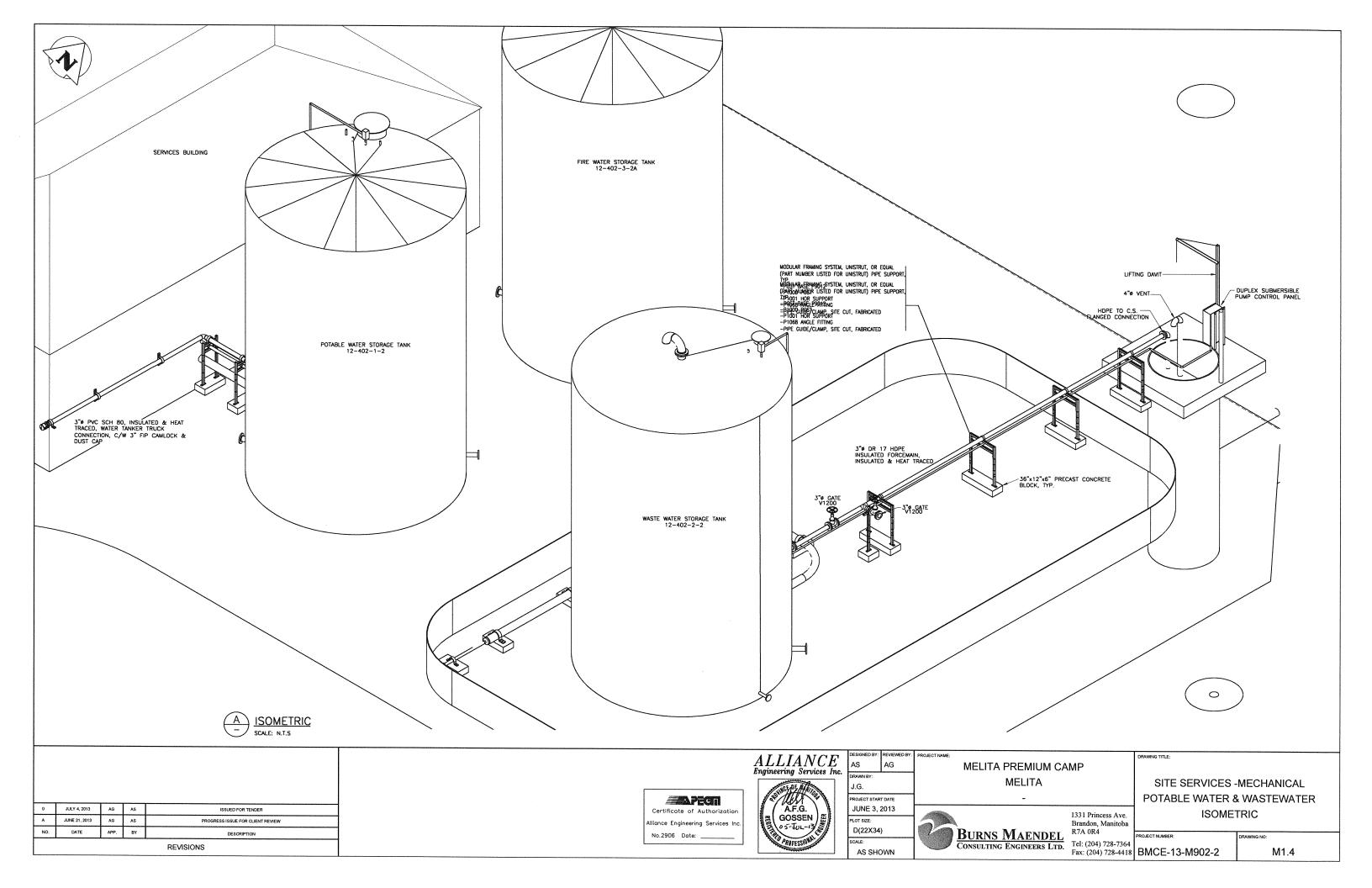
- COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO BUILDINGS AND TANKS LAYOUT AND SHOP DRAWINGS FOR FIELD RUN PIPING AND EQUIPMENT INSTALLATION. 1.
- 2. POTABLE COLD WATER, DCW, LINES ARE DIAGRAMATIC; RUN PIPING IN SUITABLE LOCATION. SEE DETAILS
- 3. PERFORM WORKS IN ACCORDANCE WITH PLUMBING CODE AND ALL LOCAL APPLICABLE CODES AND REGULATIONS. OBTAIN & PAY FOR ALL APPLICABLE PERMITS & INSPECTIONS.
- 4. SUPPORT ALL PIPING AS PER ANSI 831.9 & MSS-SP-58 REQUIREMENTS.
- CO-ORDINATE ALL TIE-INS WITH OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTIONS.
 INVESTIGATE SITE DURING BID PREPARATION AND PRIOR TO CONSTRUCTION TO CONFIRM PROPOSED PIPE ROUTING AND TIE-IN LOCATION SUITABILITY. REPORT ANY ANTICIPATED PROBLEMS PRIOR TO BID SUBMISSION.
- $\underbrace{\text{KEY NOTES}}_{\text{SERVICES BUILDING; SEE CIVIL & STRUCTURAL DRAWINGS FOR DETAILS.}}$
- 2 POTABLE WATER DISTRIBUTION PUMP STATION, SEE M1.2 FOR DETAILS.
- (3) SANITARY LIFT STATION, SEE DRAWING M1.3 FOR DETAILS
- $\overbrace{4}^{5}$ 31,500 USG FIRE WATER STORAGE TANK, SUPPLIED OWNER AND INSTALLED BY OTHERS; FOR PIPING AND PUMP DETAILS SEE ?
- 5 31,500 USG POTABLE WATER STORAGE TANK, SUPPLIED OWNER & INSTALLED BY CONTRACTOR, INTERCONNECTING PIPING BETWEEN TANK AND POTABLE WATER PUMP STATION, BY MECHANICAL CONTRACTOR
- (6) 31,500 USG WASTEWATER TANK, SUPPLIED OWNER & INSTALLED BY CONTRACTOR, INTERCONNECTING PIPING BETWEEN TANK AND LIFT PUMP STATION, BY MECHANICAL CONTRACTOR
- (7) CAMP DORM, TYP.
- (8) SITE DOMESTIC WATER SANITARY SERVICES NOT SHOWN. SEE BMCE DRAWINGS C2.1 & C2.2.

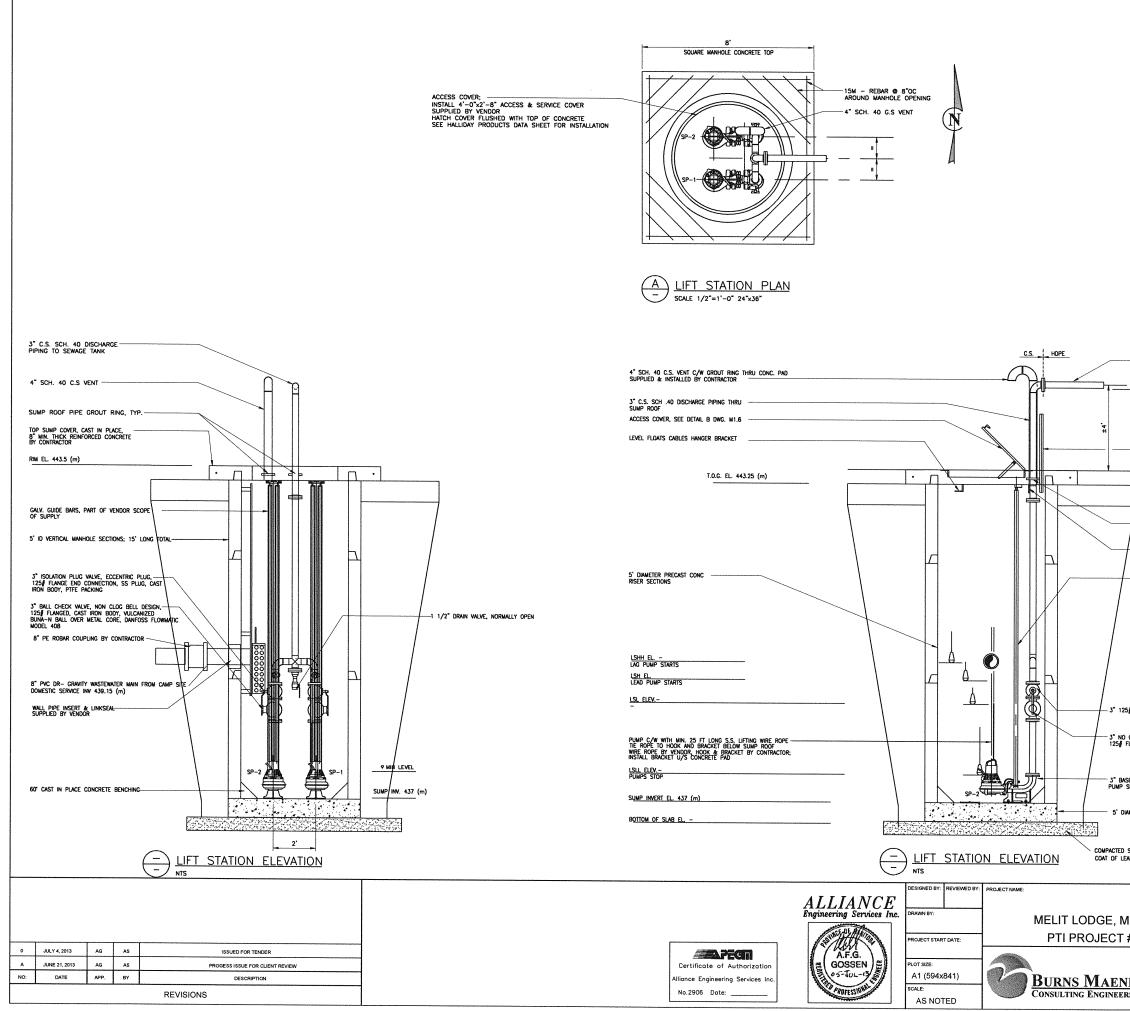
DGE, MELITA MB SITE SERVICES -MECHANICAL
DJECT # 10050 POTABLE WATER & SANITARY
1331 Princess Ave. Brandon, Manitoba
VIAENDEL R7A 0R4 PROJECT NUMBER: DRAWING NO:
ENGINEERS LTD. Tel: (204) 728-7364 Fax: (204) 728-4418 BMCE-12-061 M1.1



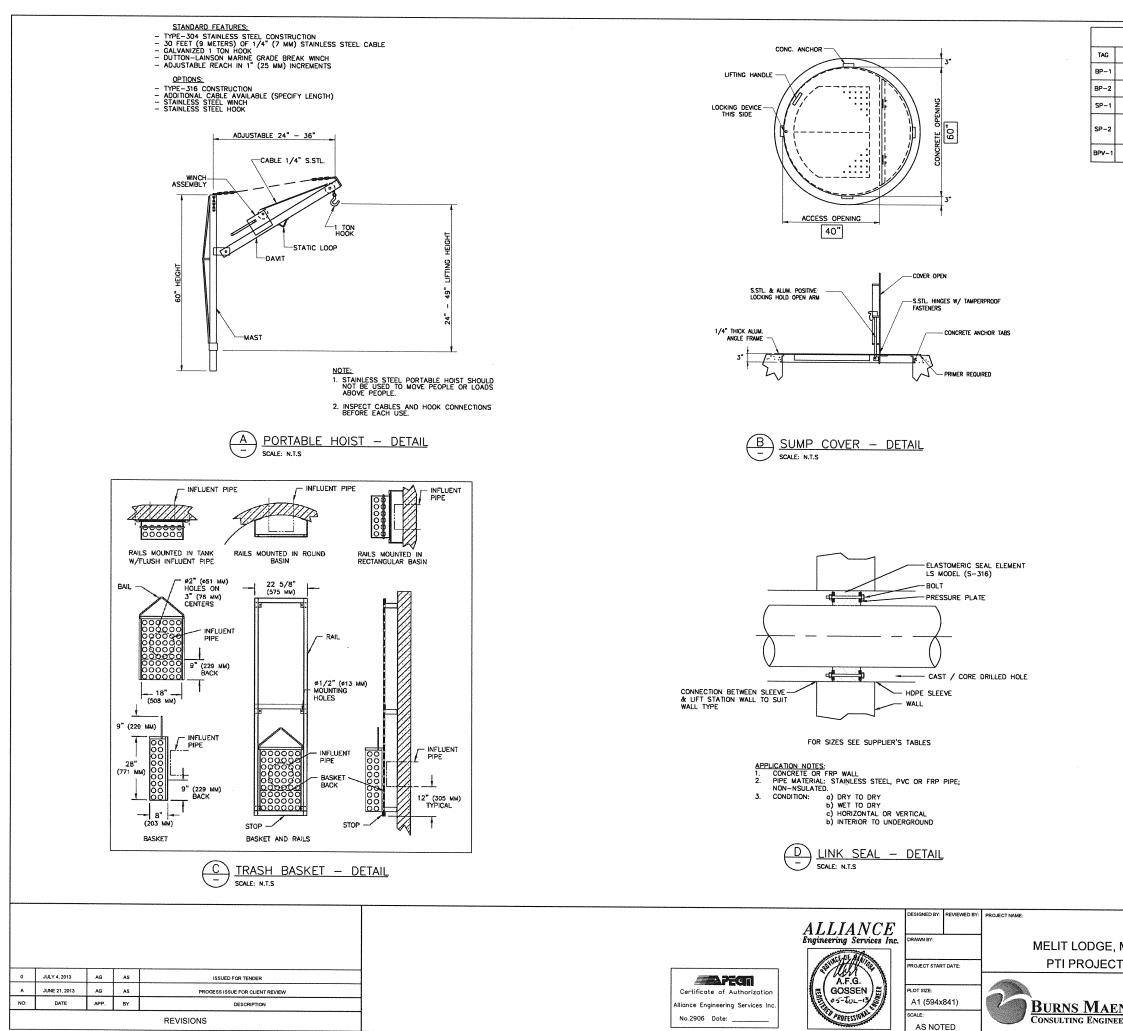


	GATE VALVE			
SYTEM ELEVATION 22°x34" SHEET 11°x17" SHEET				
ERAL NOTES Dinate works with other sub-trades. Refer to buildings and tanks layout and shop drawings for field run piping and went installation. Stic cold water, dow, lines are diagramatic; run piping in suitable location. See details <u>New works in accordance with plumbing code and all local applicable codes and regulations.</u> <u>Obtain & pay for all</u> <u>cable permits & inspections</u> . To the piper as per ansi b31.9 & mss-sp-58 requirements. Rdinate all tie-ins with owner's representative to minimize disruptions. Trate site during bid preparation and prior to construction to confirm proposed pipe routing and tie-in location builty. Report any anticipated problems prior to bid submission.				
		DRAWING TITLE:		
DGE, MELITA MB		SITE SERVICES -MECHANICAL		
DJECT # 10050		POTABLE WATER & WASTEWATER		
1331 Princess Ave. Brandon, Manitoba R7A 0R4				
<u>MAENDEL</u> Engineers Ltd.	Tel: (204) 728-7364 Fax: (204) 728-4418	PROJECT NUMBER: BMCE-13-M902-2	drawing no: M1.3	



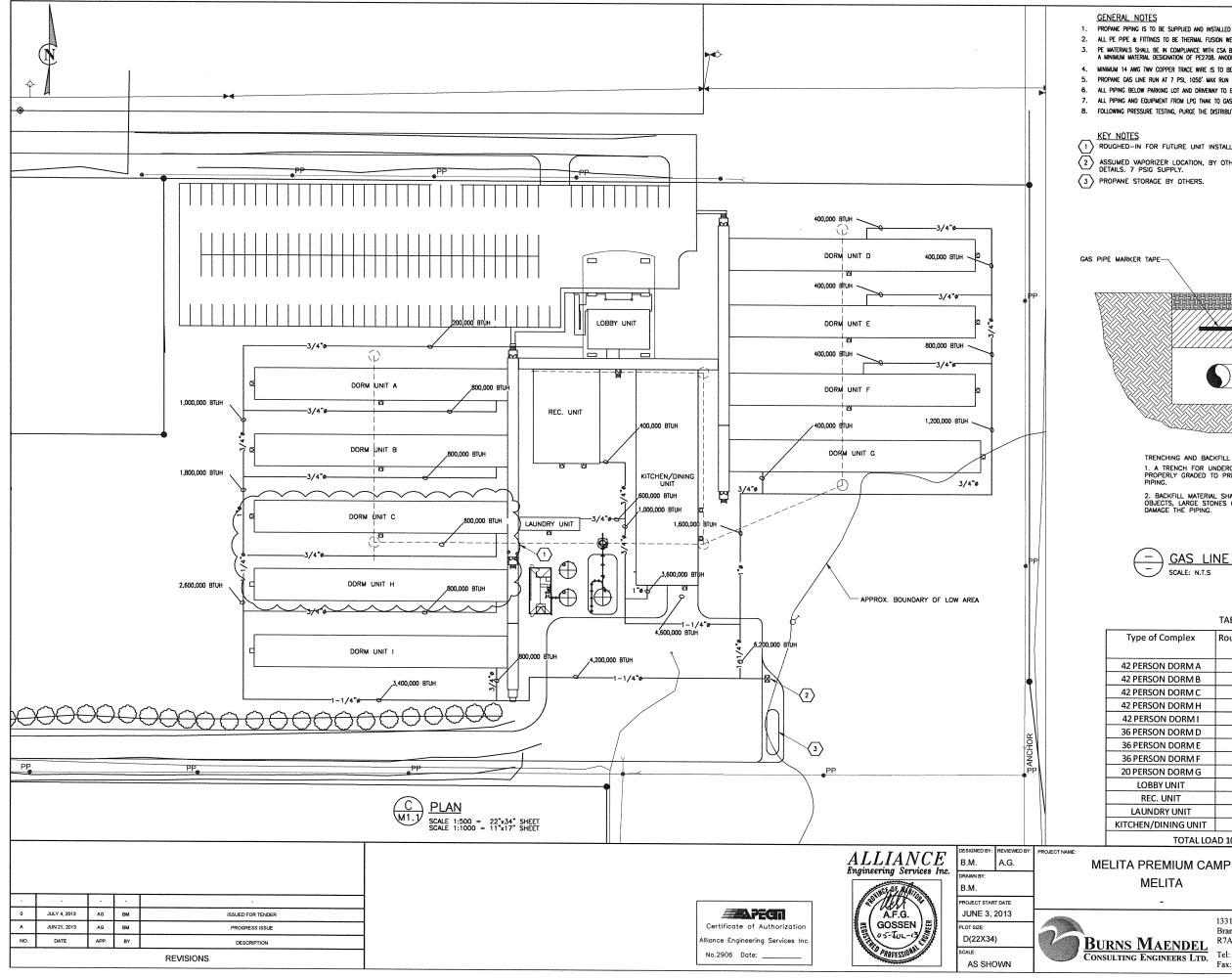


TO SEWAGI	e tank			
- 3" FORCE	WAIN INV. ELEV			
2' Fi	" Elec. Conduit or level controls & pum d duplex control panel	PS		
]s	ump roof pipe grout ring	s, typ.		
		ei .		
ë	ire rope hook and brack Racket suppled & installe	D BY CONTRACTOR		
1 1/2" GU	JIDE RAIL, x2			
5# FLANGED	SEWAGE SERVICE PLUG VAL	VE		
CLOG SEWAG	GE CHECK VALVE, CONNECTION			
se discharg Supply, fla	e elbow, part of Nged			
AMETER PREC	CAST BASE			
SUB-BASE MINIMUM 6" WITH 2" WORKING SKIN AM MIX CONCRETE				
	****	DRAWING TITLE:		
IELITA	MB	SITE SEF	VICES	
# 1005		POTABLE WATE		
1331 Princess Ave.		LIFT STATION	I - DETAILS	
<u>IDEL</u>	Brandon, Manitoba R7A 0R4	PROJECT NUMBER:	DRAWING NO:	
rs Ltd.	Tel: (204) 728-7364 Fax: (204) 728-4418	BMCE-13-M902-2	M1.5	



EQUIPMENT LIST				
SUPPLIER	MODEL	PERFORMANCE	COMMENTS	
XYLEM		AS SPECIFIED	-	
XYLEM	-	AS SPECIFIED		
ZOELLER	-	AS SPECIFIED	-	
ZOELLER	_	AS SPECIFIED	_	
CLAVAL	-	AS SPECIFIED		

		DRAWING TITLE:	
MELITA MB *# 10050		SITE SERVICES - MECHANICAL POTABLE WATER & SANITARY	
1331 Princess Ave. Brandon, Manitoba		DETAILS	
NDEL TRS LTD.	R7A 0R4 Tel: (204) 728-7364 Fax: (204) 728-4418	project number: BMCE-13-M902-2	drawing no: M1.6



PROPANE PIPING IS TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH CSA B149.1, CSA B149.2, AND MANITOBA GAS NOTICES. ALL PE PIPE & FITTINGS TO BE THERMAL FUSION WELDED SDR 8.8. PE MATERIALS SHALL BE IN COMPLIANCE WITH CSA B137.4. PIPE AND FITTINGS SHALL BE CGA APPROVED AND OF THE SAME COMPOUND, WITH A MINIMUM MATERIAL DESIGNATION OF PE2708. ANODELESS STEEL PIPE RISERS ARE TO BE SCHED 40 TO ASTM AS3. MINIMUM 14 AWG TWV COPPER TRACE WIRE IS TO BE FASTENED TO THE CAS LINE AT REGULAR INTERVALS USING LOW CONDUCTIVITY ELECTRICIAN'S TAPE. PROPANE GAS LINE RUN AT 7 PSI, 1050' MAX RUN LENGTH. ALL PIPING BELOW PARKING LOT AND DRIVEWAY TO BE MINIMUM 2' BELOW GRADE AS PER CSA B149.1, CLAUSE 6.15.4. ALL PIPING AND EQUIPMENT FROM LPG TNAK TO GAS RISER TO BE SUPPLIED, INSTALLED, AND CERTIFIED BY OTHERS. 8. FOLLOWING PRESSURE TESTING, PURCE THE DISTRIBUTION SYSTEM IN ACCORDANCE WITH CSA B149.1, CLAUSE 6.23. ROUGHED-IN FOR FUTURE UNIT INSTALLATION. ASSUMED VAPORIZER LOCATION, BY OTHERS. CONFIRM CONNECTION DETAILS. 7 PSIG SUPPLY. NATIVE SOIL NATIVE SOIL: HAND PLACED, HAND TAMPED MIN NATIVE SOIL: MACHINE TAMPED SAND: HAND PLACED, HAND TAMPED TRENCHING AND BACKFILL REQUIREMENTS: 1. A TRENCH FOR UNDERGROUND PIPING SHALL BE PROPERLY GRADED TO PREVENT A SAG IN THE PIPING. 2. BACKFILL MATERIAL SHALL BE FREE OF SHARP OBJECTS, LARGE STONES OR ANY MATERIAL THAT CAN DAMAGE THE PIPING. GAS LINE BACKFILL DETAIL ----SCALE: N.T.S TABLE 1: PROPANE CONNECTED LOAD SUMMARY Type of Complex Rough-in Phase Install Phase BTU/hr FT³/hr **Outlet Pressure** in. w.c. 42 PERSON DORM A 800,000 317.5 1 1 11 42 PERSON DORM B 1 1 800,000 317.5 11 42 PERSON DORM C 1 1 800,000 317.5 11 42 PERSON DORM H 1 2 800,000 317.5 11 42 PERSON DORM I 2 1 800,000 317.5 11 36 PERSON DORM D 1 1 400.000 158.7 11 36 PERSON DORM E 1 1 400,000 158.7 11 36 PERSON DORM F 1 1 400,000 158.7 11 20 PERSON DORM G 1 1 400,000 158.7 11 LOBBY UNIT 1 1 200,000 79.4 11 REC. UNIT 400,000 1 1 158.7 11 600,000

TOTAL LOAD 10,400,000 BTU/hr, 4127.0 FT³/hr @ 7PSI. MAX RUN 1150 FT

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RAWING TITLE: MELITA SITE MECHANICAL SERVICES PROPANE DISTRIBUTION GENERAL ARRANGEMENT PLAN 1331 Princess Ave. Brandon, Manitoba R7A 0R4

3,600,000

OJECT NUMBE Tel: (204) 728-7364 Fax: (204) 728-4418 BMCE-13-M903-1

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M1.7

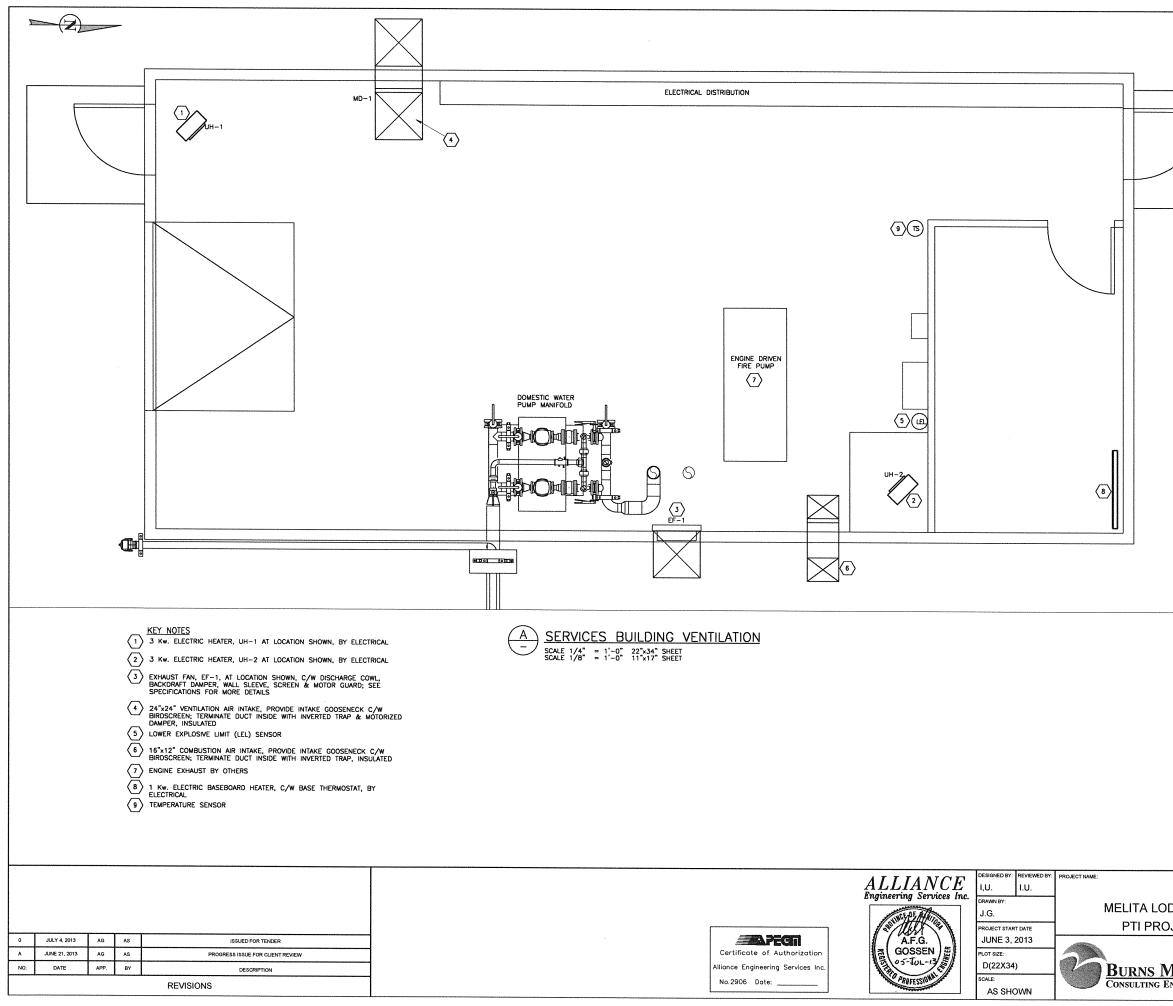
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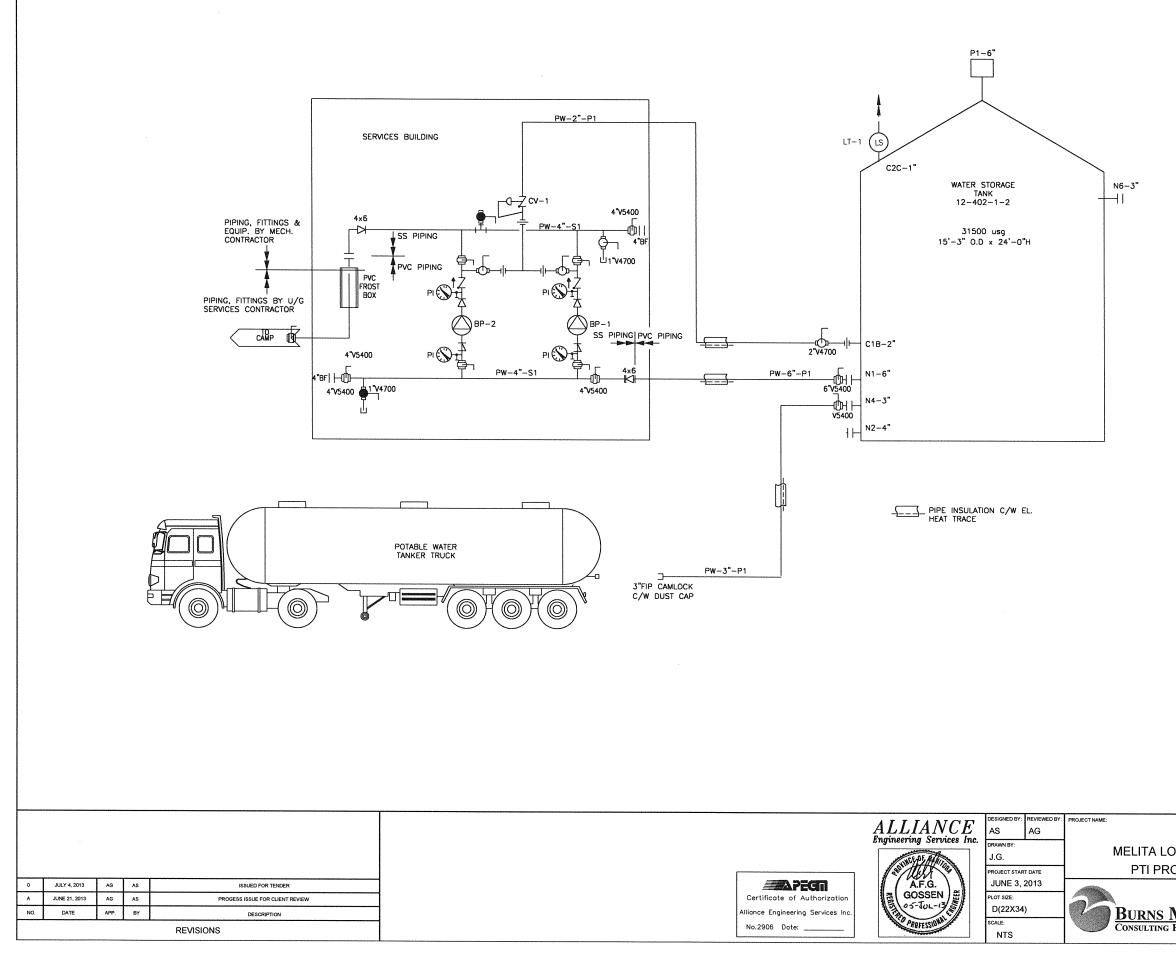
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		DRAWING TITLE:	
DDGE, MELITA MB		SITE SERVICES -MECHANICAL	
OJECT # 10050		SERVICES BUILDING VENTILATION	
	1331 Princess Ave. Brandon, Manitoba	GENERAL ARRAN	GEMENT PLAN
MAENDEL Engineers Ltd.	R7A 0R4 Tel: (204) 728-7364	PROJECT NUMBER:	DRAWING NO:
	Fax: (204) 728-4418	BMCE-13-M902-2	M2.1

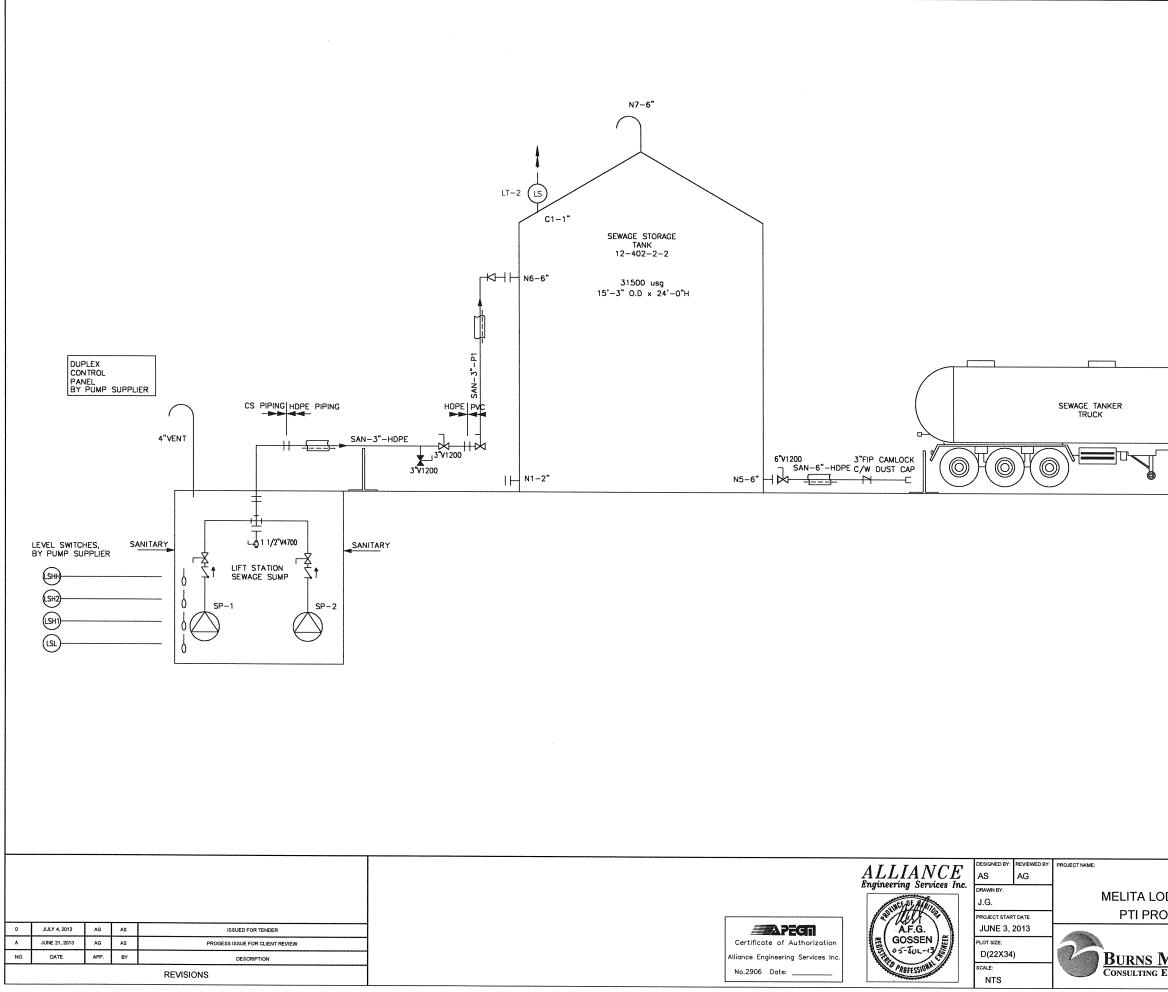


 MELITA LODGE, MELITA MB PTI PROJECT # 10050
 SITE SERVICES - MECHANICAL POTABLE WATER SYSTEM

 BURNS MAENDEL CONSULTING ENGINEERS LTD
 1331 Princess Ave. Brandon, Manitoba R7A 0R4
 FLOW SCHEMATIC

 BURNS MAENDEL CONSULTING ENGINEERS LTD
 Tel: (204) 728-7364 Fax: (204) 728-4418
 PROJECT NUMBER:

DRAWING TITLE:



		DRAWING TITLE:		
DGE, MELITA MB		SITE SERVICES -MECHANICAL		
OJECT # 10050		SEWAGE PUMPING/STORAGE/TRANSFER SYSTEM		
	Tel: (204) 728-7364	FLOW SCHEMATIC		
Maendel		PROJECT NUMBER:	DRAWING NO:	
ENGINEERS LTD.		BMCE-12-061	PFD2	