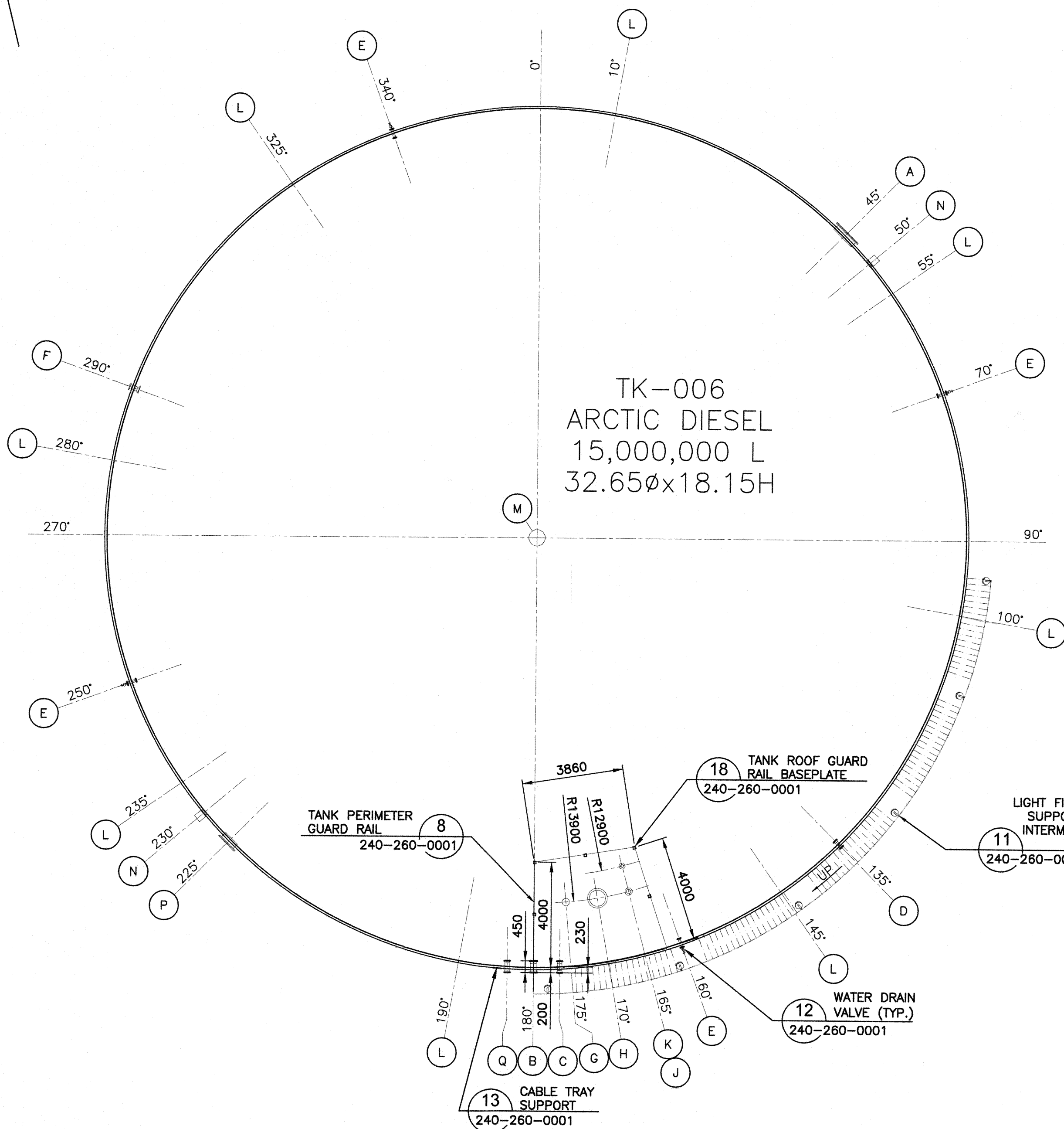
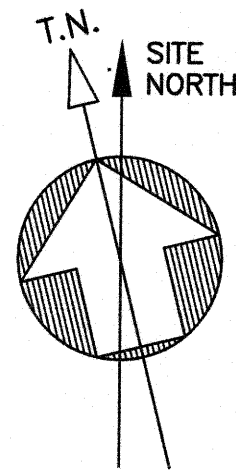
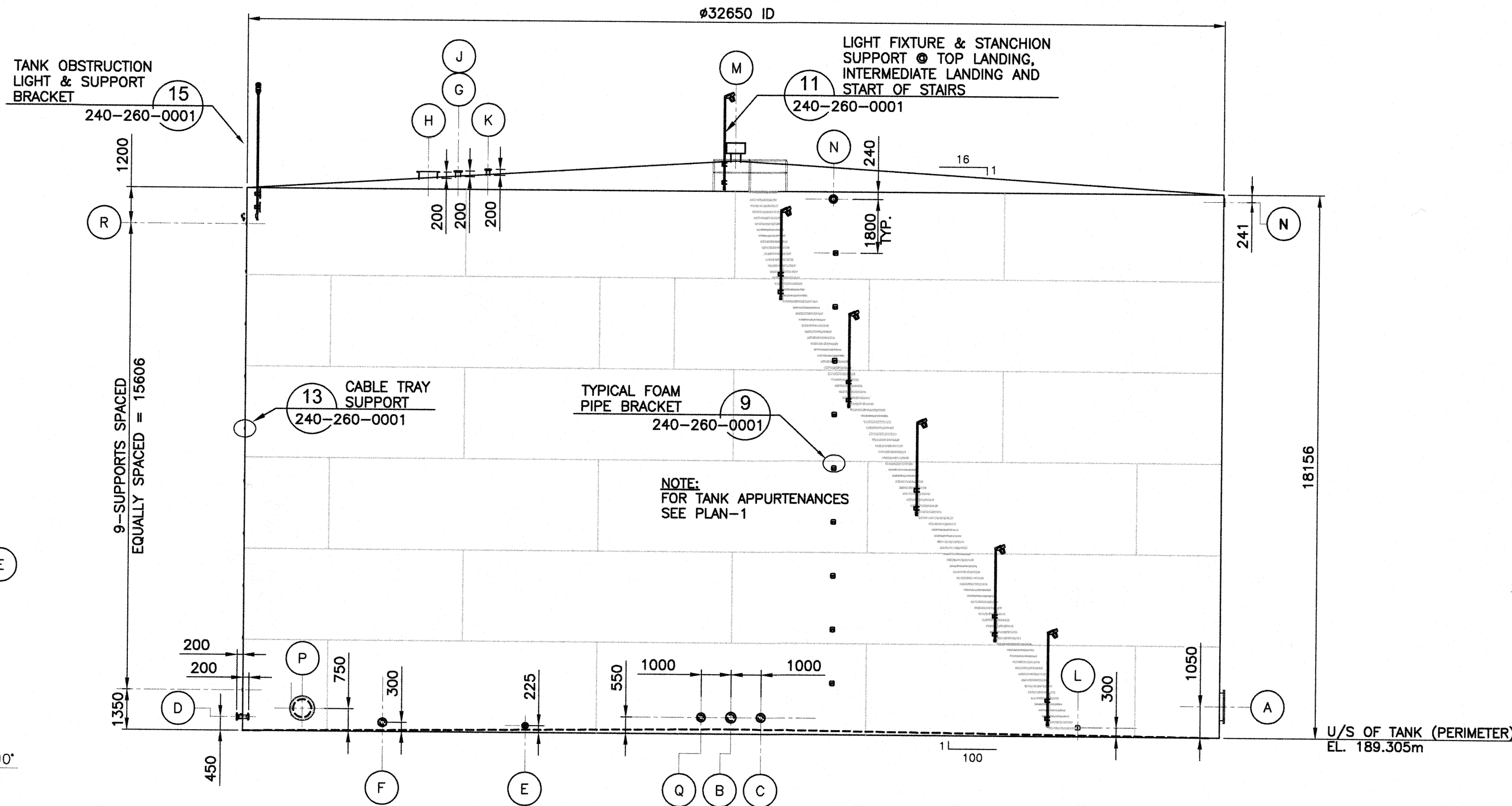




PLAN
TANK ORIENTATION
SCALE: 1:125



ELEVATION
TANK ORIENTATION
SCALE: 1:125

TANK APPURTENANCES						
ITEM	NO.	SERVICE	SIZE	RATING	TYPE	REMARKS
A	1	SHELL MANWAY	915 (36")	API 650	FF	API 650 FIG. 5-7A
B	1	TANK SUCTION	203 (8")	CLASS 150	RF WELD NECK	DOUBLE FLANGED /W 35mm SW HALF COUPLING ON EXTERIOR NOZZLE
C	1	TANK FILL	150 (6")	CLASS 150	RF WELD NECK	DOUBLE FLANGED /W 35mm SW HALF COUPLING ON EXTERIOR NOZZLE
D	1	SPARE SHELL NOZZLE	100 (4")	CLASS 150	RF WELD NECK	DOUBLE FLANGED
E	4	WATER DRAIN NOZZLE	75 (3")	CLASS 150	RF WELD NECK	FLANGED
F	1	SPARE SHELL NOZZLE	150 (6")	CLASS 150	RF WELD NECK	FLANGED w/ BLIND FLANGE
G	1	GAUGE HATCH	150 (6")	CLASS 150	RF SLIP ON	FLANGED
H	1	ROOF MANWAY c/w EMERGENCY VENT	610 (24")	API 650	FF	C/W COVER
J	1	RADAR GAUGE	150 (6")	CLASS 150	RF SLIP ON	SINGLE FLANGE
K	1	ROOF NOZZLE (OVERFILL PROBE)	100 (4")	CLASS 150	RF SLIP ON	BLIND FLANGED
L	8	GROUNDING LUGS				
M	1	ROOF VENT	305# (12")		NOZZLE	
N	2	FOAM CONNECTION NOZZLE	150 (6")		STUD PAD	STUD PAD
P	1	SHELL MANWAY	610 (24")	API 650	FF	API 650 FIG. 5-7A
Q	1	TANK DRAW DOWN	150 (6")	CLASS 150	RF	DOUBLE FLANGED
R	10	CABLE TRAY SUPPORT				

PERMIT TO PRACTICE
HATCH LTD.
Signature _____
Date 19/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU

THIS DRAWING WAS PREPARED BY HATCH LTD. ("HATCH") FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP ("CLIENT") AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY-FREE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, REINSTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING AND THE INFORMATION CONTAINED HEREIN, SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE MODIFIED WITHOUT THE WRITTEN CONSENT OF HATCH.

HATCH

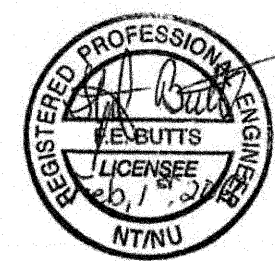
Baffinland

MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

MINE SITE
15,000,000L ARCTIC DIESEL TANK
TK-006

SCALE AS NOTED OR AS NOTED
DWG. No. H353004-10000-240-270-0002-0001
REV 0

DRAWING No.	DRAWING TITLE
H353004-10000-240-272-0002-0001	MINE SITE TANK FARM GENERAL ARRANGEMENT
H353004-10000-240-260-0001-0001	FUEL SYSTEM TYPICAL VERTICAL TANK DETAILS

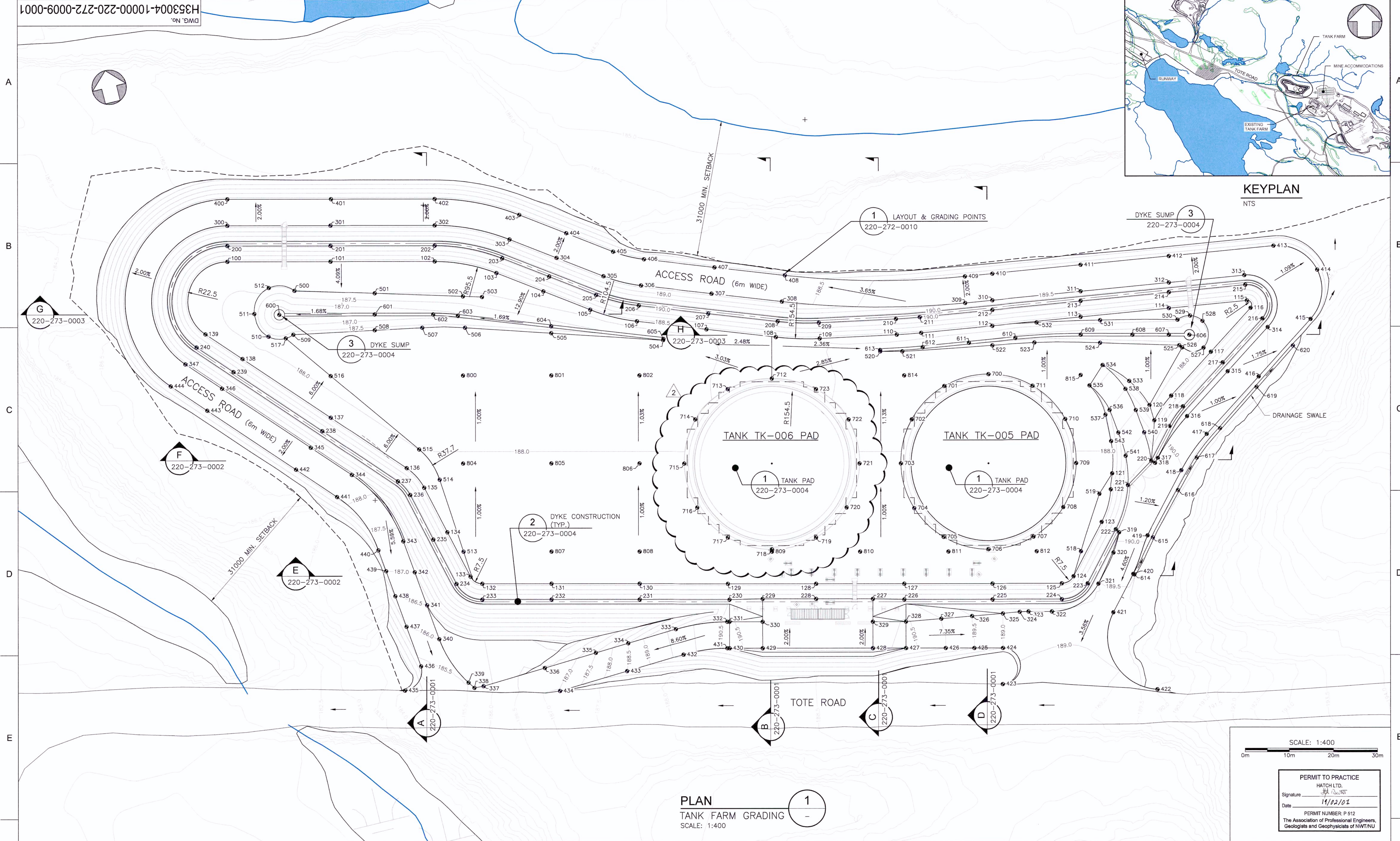


REG. PROFESSIONAL

No.	DESCRIPTION	BY	CHK'D	DATE
0	APPROVED FOR CONSTRUCTION	SJM	MM	19/02/01

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	M. PETERSON		18-11-03
DESIGNER	K. MacLEAN		18-11-03
CHECKER	M. MacINTYRE	Michael MacIntyre	19/02/01
DESIGN COORD.	M. MacINTYRE	Michael MacIntyre	19/02/01
RESP. ENG.	F. BUTTS	F. Butts	19/02/01
LEAD DISC. ENG.	K. MacLEAN	K. MacLean	19/02/01
ENG. MANAGER	G. PEACE	G. Peace	19/02/01
AREA MANAGER	H. VENTER	H. Venter	19/02/01
CLIENT	T. ATIBA	T. Atiba	19/02/01

DRAWING APPROVAL STATUS: Approved for Construction



PLAN
TANK FARM GRADING
SCALE: 1:400

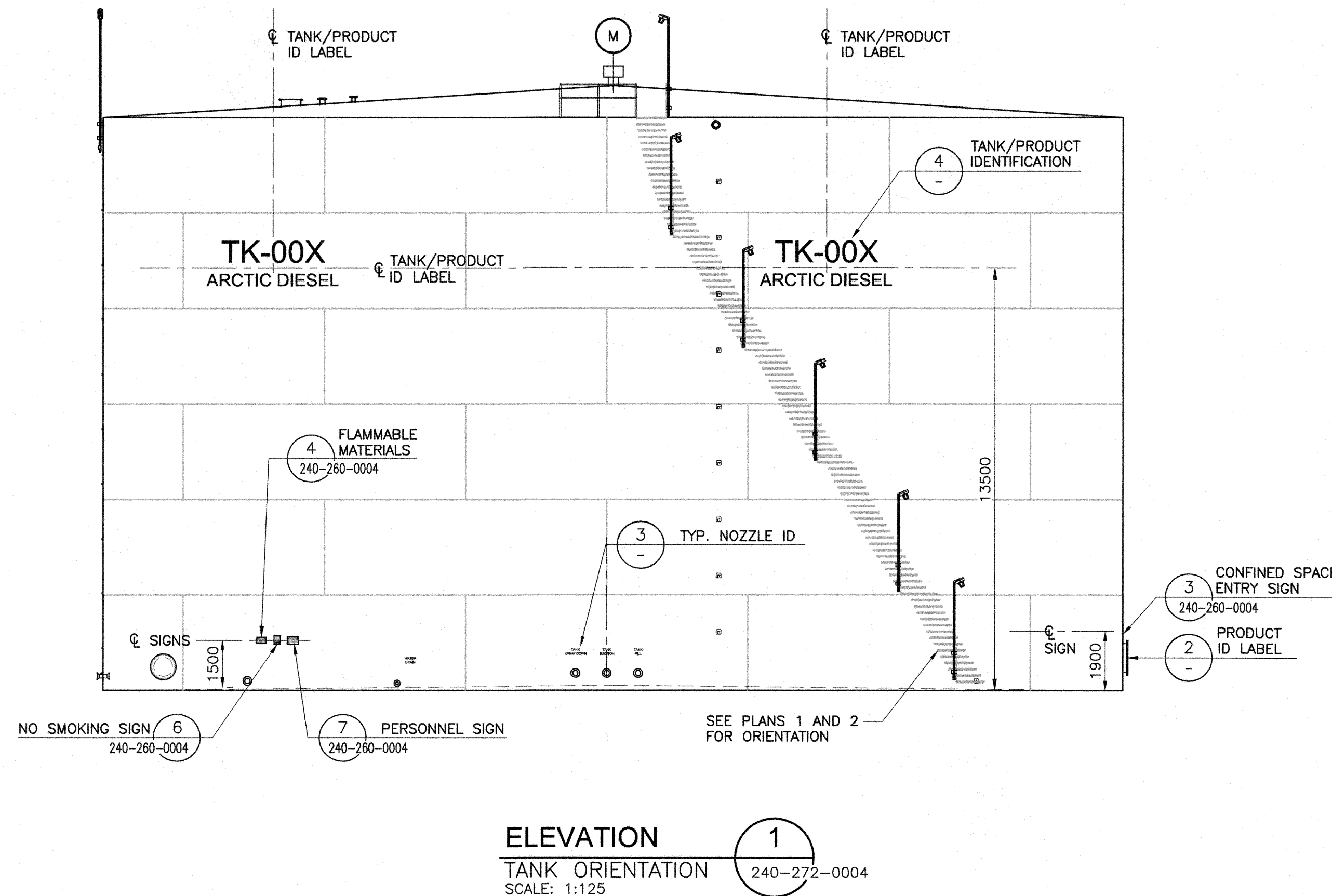
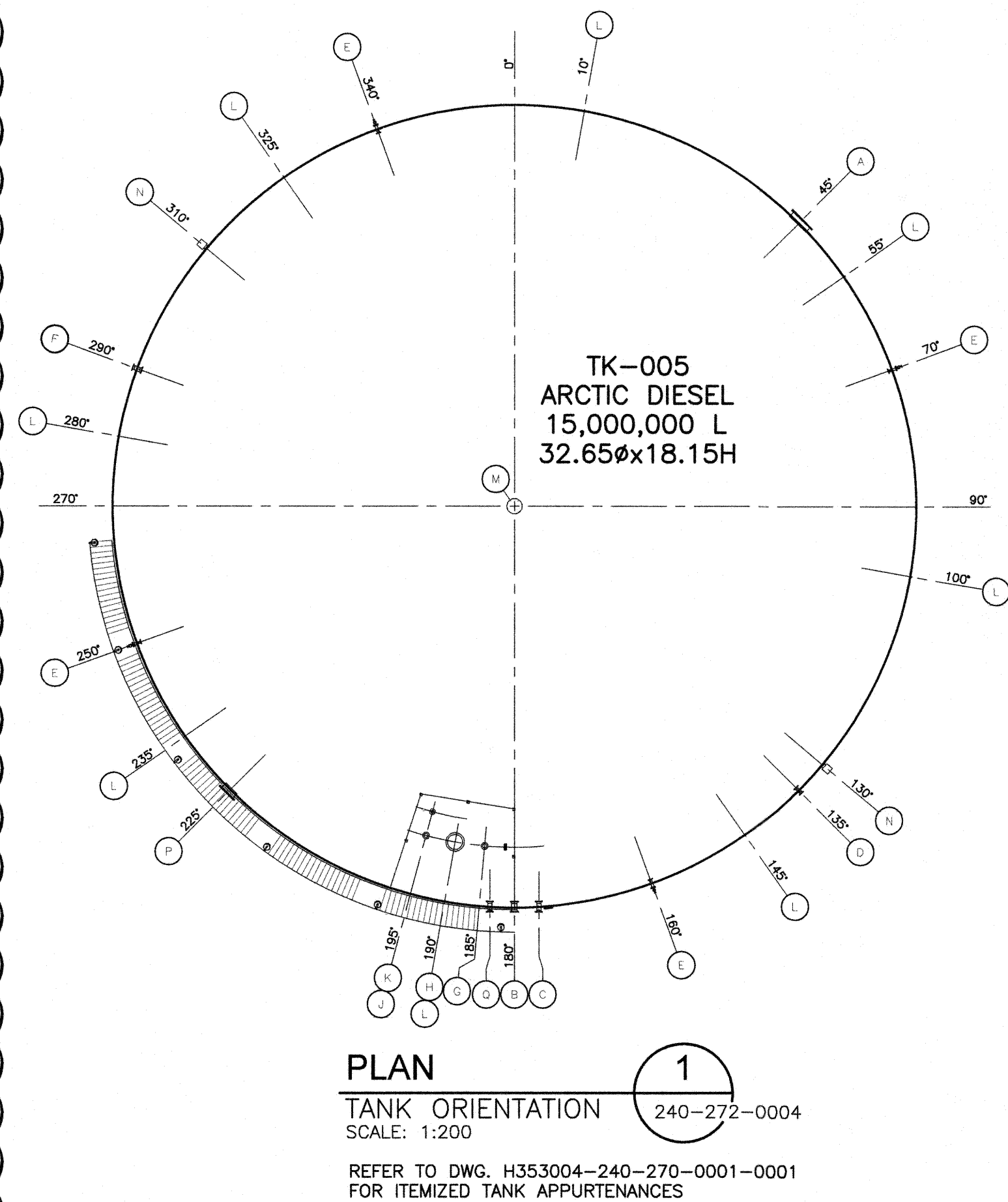
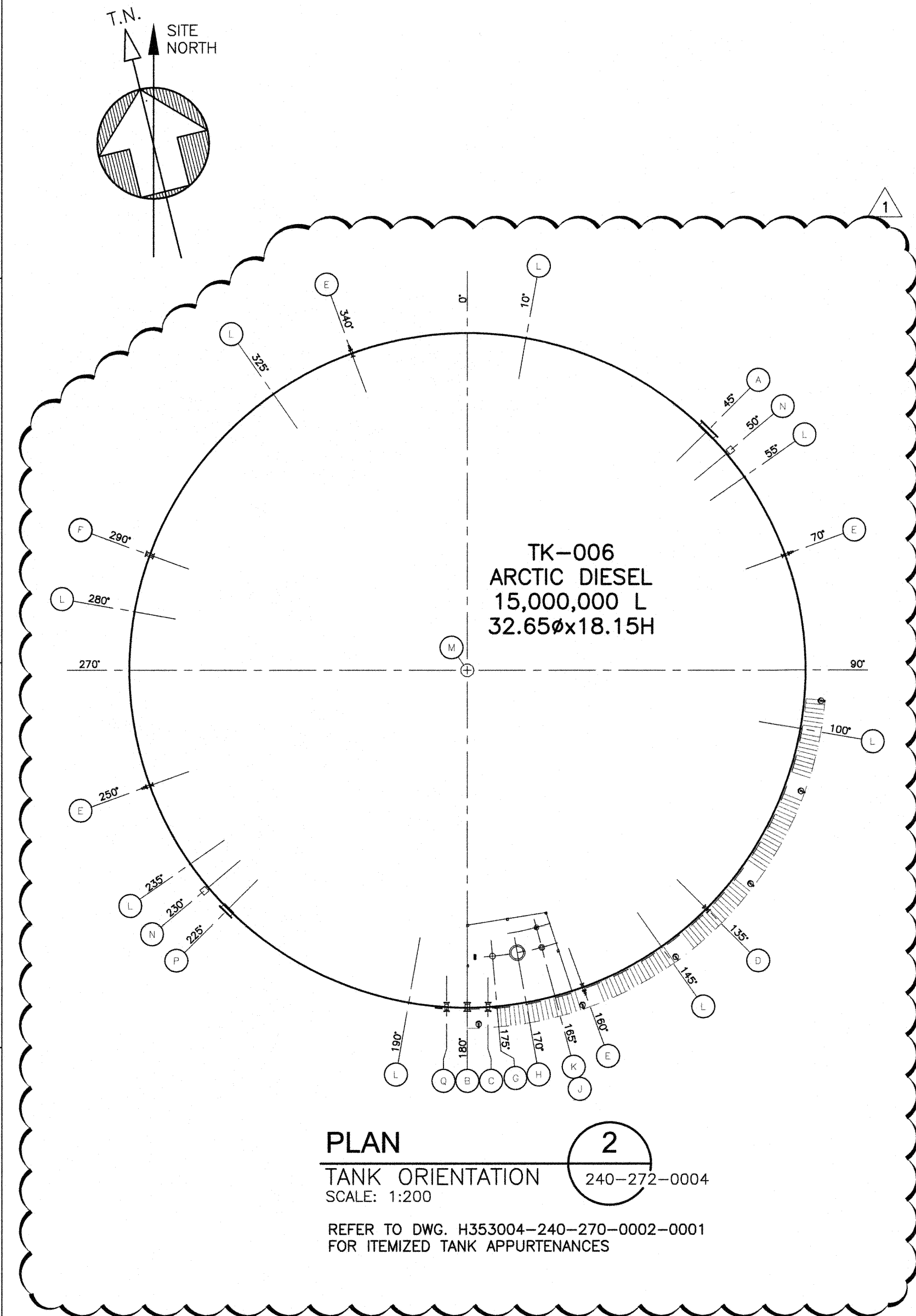
SCALE: 1:400
0m 10m 20m 30m

PERMIT TO PRACTICE
HATCH LTD.
Signature: [Signature]
Date: 14/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWTNU

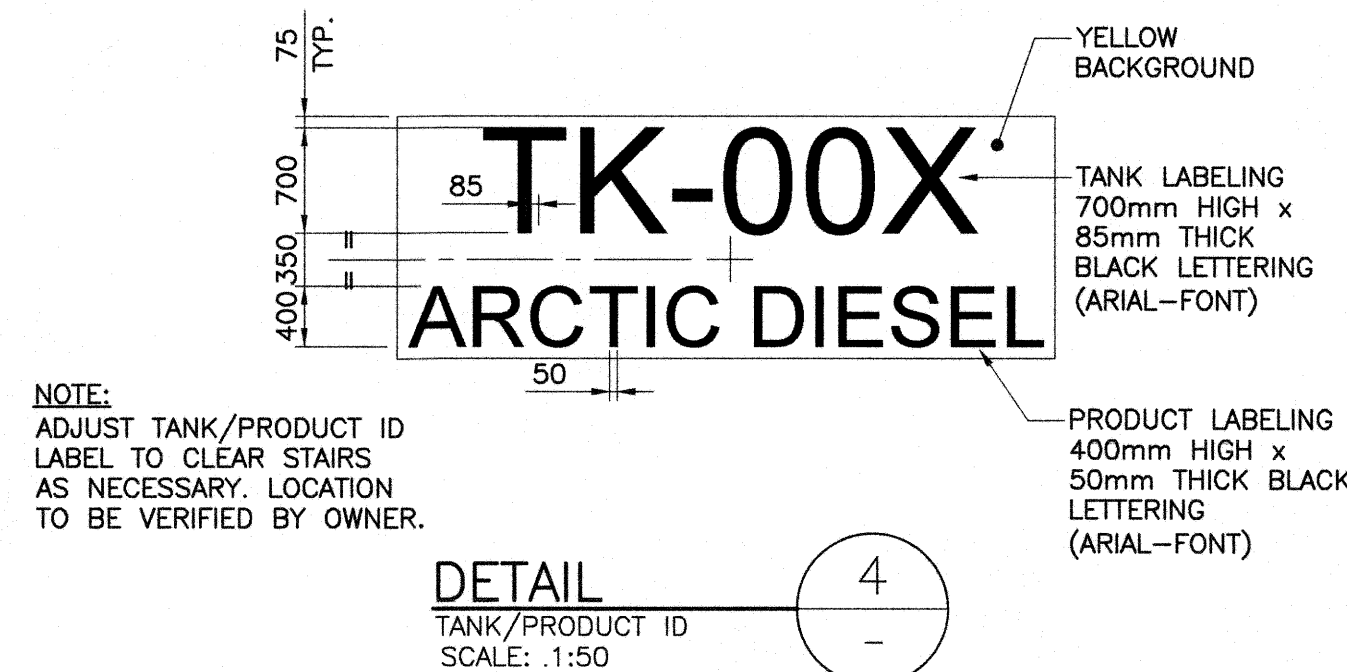
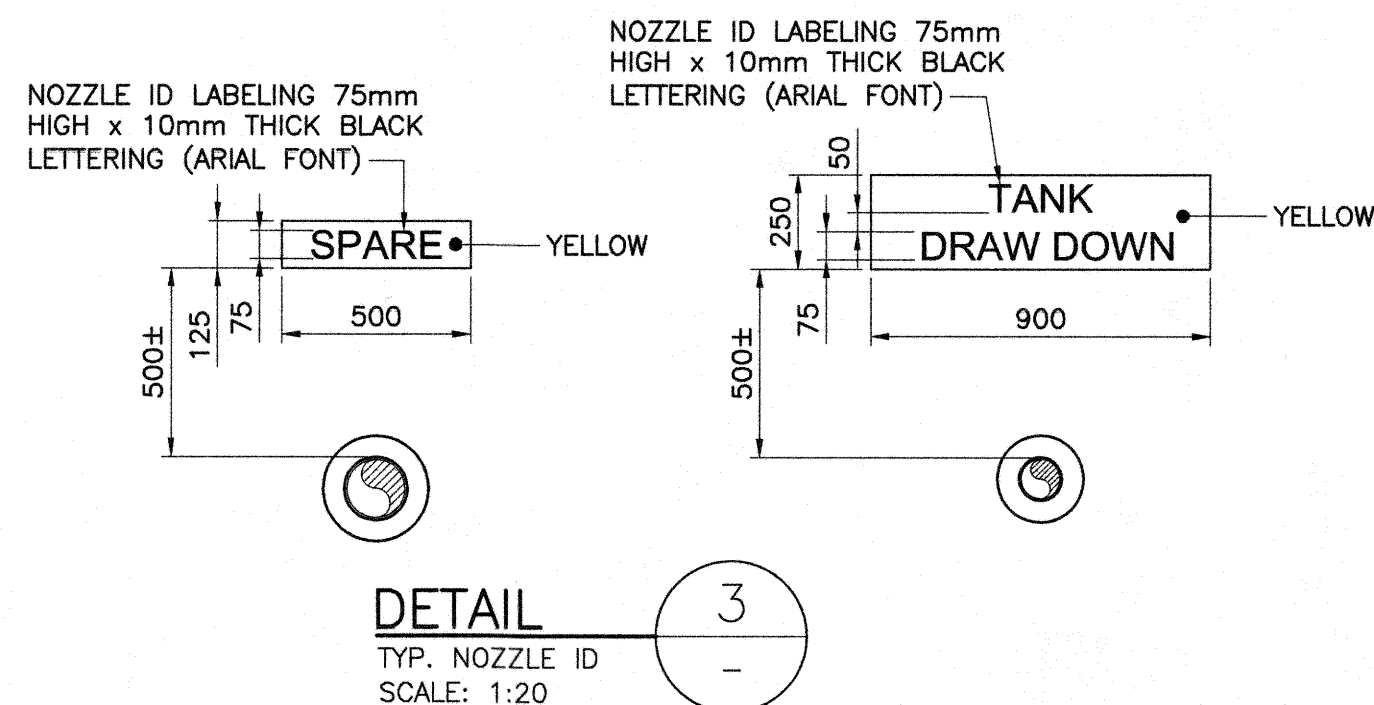
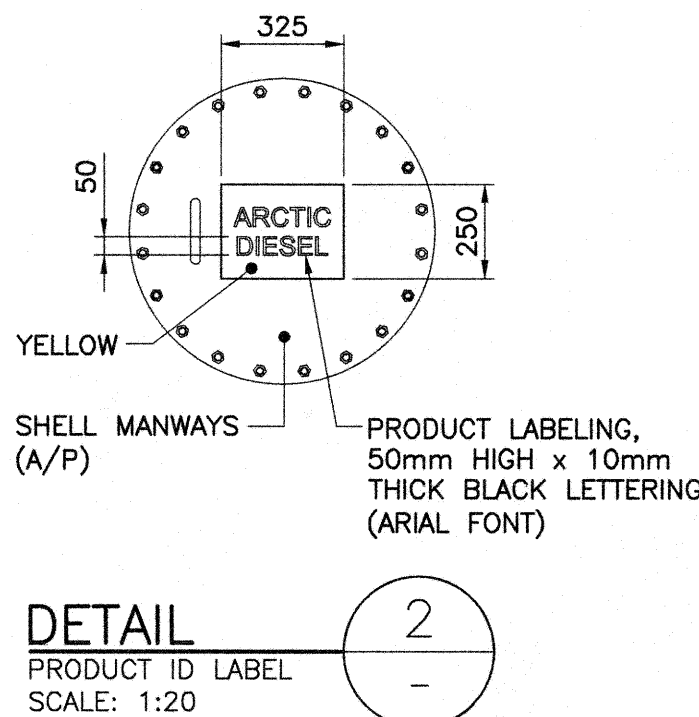
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NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. FOR TANK APPURTENANCES SEE DRAWING H353004-10000-240-270-0001-0001 & H353004-10000-240-270-0002-0001.



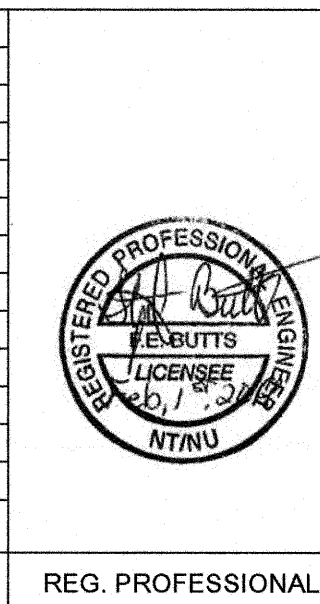
TANK NOZZLE IDENTIFICATION CHART				
IDENTIFICATION LABEL	NOZZLE LOCATION	TEXT SIZE (MM)	TEXT COLOR	APPURTENANCE ITEM
MANWAY	SHELL	75x10	YELLOW	A/P
TANK SUCTION	SHELL	75x10	YELLOW	B
TANK FILL	SHELL	75x10	YELLOW	C
SPARE	SHELL	75x10	YELLOW	D
WATER DRAIN	SHELL	75x10	YELLOW	E
SPARE	SHELL	75x10	YELLOW	F
GAUGE HATCH	ROOF	75x10	YELLOW	G
MANWAY	ROOF	75x10	YELLOW	H
RADAR GAUGE	ROOF	75x10	YELLOW	J
OVERFILL PROBE	ROOF	75x10	YELLOW	K
ROOF VENT	ROOF	75x10	YELLOW	M
FOAM CONNECTION	SHELL	75x10	YELLOW	N
TANK DRAW DOWN	SHELL	75x10	YELLOW	Q



NOTE:
ADJUST TANK/PRODUCT ID
LABEL TO CLEAR STAIRS
AS NECESSARY. LOCATION
TO BE VERIFIED BY OWNER.

PERMIT TO PRACTICE
HATCH LTD.
Signature: <i>[Signature]</i>
Date: 19/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NTU

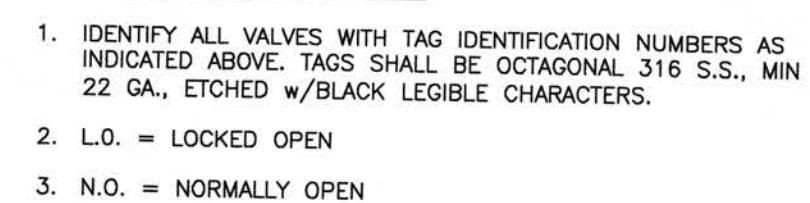
H353004-10000-240-272-0004-0001	MINE SITE TANK FARM SITE SIGNAGE
H353004-10000-240-270-0001-0001	MINE SITE 15,000,000L DIESEL TANK TK-005
H353004-10000-240-270-0001-0001	MINE SITE 15,000,000L DIESEL TANK TK-006
H353004-10000-240-260-0004-0001	MINE SITE TANK FARM OPERATING PROCEDURES SIGNAGE
DRAWING No.	DRAWING TITLE
REFERENCE DRAWINGS	REG. PROFESSIONAL



1 TK-006 ADDED				SJM	MMI	19/02/01
0 ISSUED FOR CONSTRUCTION				SJM	MMI	18-07-20
No.	DESCRIPTION	BY	CHK'D	DATE	ROLE	NAME
REVISIONS						

DRAFTSPERSON	S. J. McNEIL	NR	18-07-04
DESIGNER	K. MacLEAN	NR	18-07-04
CHECKER	M. MacINTYRE	Michael MacIntyre	19/02/01
DESIGN COORD.	M. MacINTYRE	Michael MacIntyre	19/02/01
RESP. ENG.	F. BUTTS	F. Butts	19/02/01
LEAD DISC. ENG.	F. BUTTS	F. Butts	19/02/01
ENG. MANAGER	G. PEACE	G. Peace	19/02/01
AREA MANAGER	H. WEAVER	H. Weaver	19/02/01
CLIENT	T. ATIBA	T. Atiba	19/02/01
ROLE	NAME	SIGNATURE	DATE
DRAWING APPROVAL STATUS: Approved for Construction			

 Baffinland	
MARY RIVER EXPANSION PROJECT BAFFINLAND IRON MINES LP	
MINE SITE TANK FARM TK-005 & TK-006 ARCTIC DIESEL TANK SIGNAGE	
SCALE AS NOTED OR AS NOTED	DWG. No. H353004-10000-240-260-0002-0001



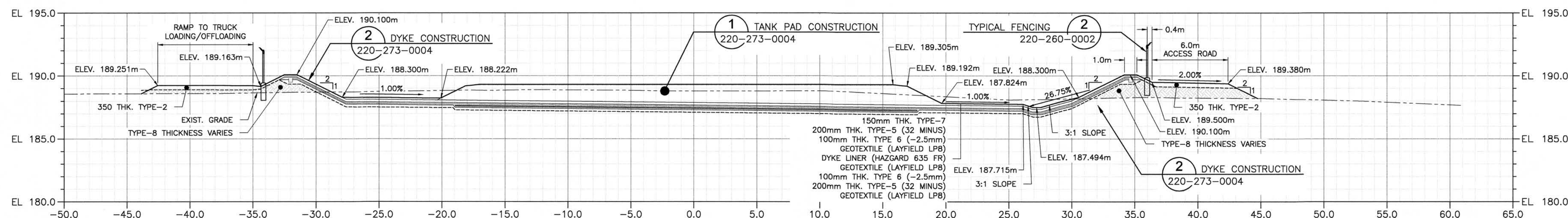
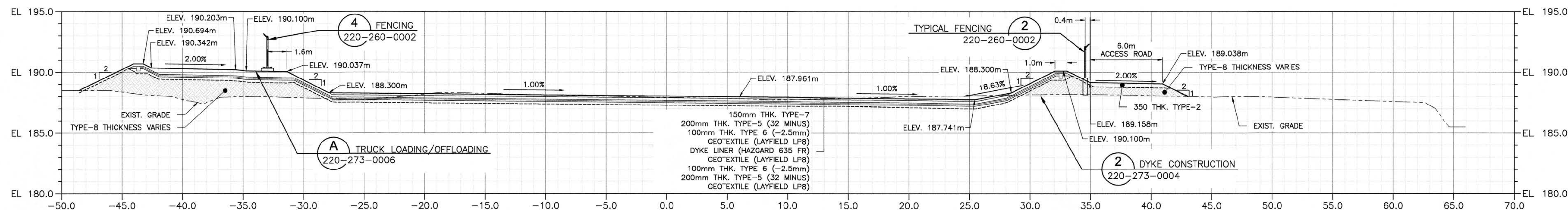
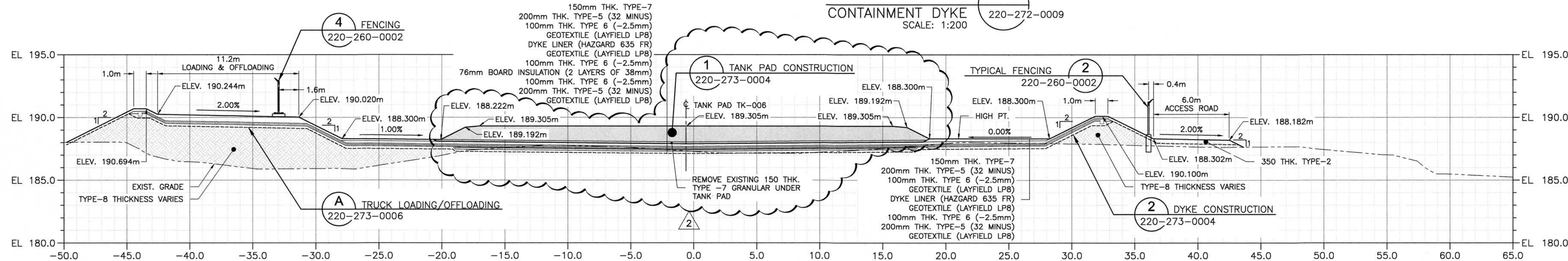
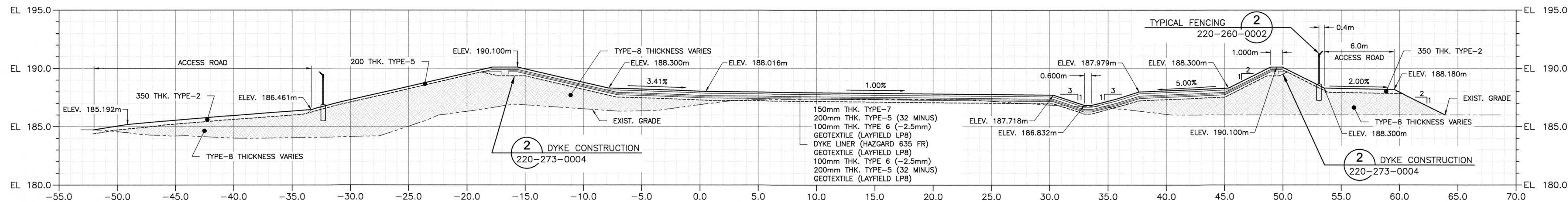
SHEET SIZE: A1

	 Baffinland
	MARY RIVER EXPANSION PROJECT BAFFINLAND IRON MINES LP
	MINE SITE ADDITIONAL TANK FARM STORAGE P & ID

	MARY RIVER EXPANSION PROJECT BAFFINLAND IRON MINES LP
	MINE SITE ADDITIONAL TANK FARM STORAGE P & ID

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A	<table><tr><th colspan="5">LAYOUT & GRADING POINTS</th></tr><tr><th>TARGET No.</th><th>FEATURE</th><th>ELEVATION</th><th>NORTHING</th><th>EASTING</th></tr><tr><td>100</td><td>TOE OF DYKE</td><td>188.300</td><td>7913520.921</td><td>560972.960</td></tr><tr><td>101</td><td>TOE OF DYKE</td><td>188.300</td><td>7913515.359</td><td>560995.085</td></tr><tr><td>102</td><td>TOE OF DYKE</td><td>188.300</td><td>7913509.740</td><td>561018.002</td></tr><tr><td>103</td><td>TOE OF DYKE</td><td>188.300</td><td>7913503.841</td><td>561030.947</td></tr><tr><td>104</td><td>TOE OF DYKE</td><td>188.300</td><td>7913497.247</td><td>561040.287</td></tr><tr><td>105</td><td>TOE OF DYKE</td><td>188.300</td><td>7913490.652</td><td>561049.626</td></tr><tr><td>106</td><td>TOE OF DYKE</td><td>188.300</td><td>7913485.576</td><td>561059.282</td></tr><tr><td>107</td><td>TOE OF DYKE</td><td>188.300</td><td>7913480.100</td><td>561074.141</td></tr><tr><td>108</td><td>TOE OF DYKE</td><td>188.300</td><td>7913474.624</td><td>561089.000</td></tr><tr><td>109</td><td>TOE OF DYKE</td><td>188.300</td><td>7913471.948</td><td>561098.569</td></tr><tr><td>110</td><td>TOE OF DYKE</td><td>188.300</td><td>7913468.607</td><td>561115.743</td></tr><tr><td>111</td><td>TOE OF DYKE</td><td>188.300</td><td>7913467.681</td><td>561121.230</td></tr><tr><td>112</td><td>TOE OF DYKE</td><td>188.300</td><td>7913465.383</td><td>561137.258</td></tr><tr><td>113</td><td>TOE OF DYKE</td><td>188.300</td><td>7913462.532</td><td>561157.151</td></tr><tr><td>114</td><td>TOE OF DYKE</td><td>188.300</td><td>7913459.680</td><td>561177.044</td></tr><tr><td>115</td><td>TOE OF DYKE</td><td>188.300</td><td>7913457.180</td><td>561194.625</td></tr><tr><td>116</td><td>TOE OF DYKE</td><td>188.300</td><td>7913455.343</td><td>561195.045</td></tr><tr><td>117</td><td>TOE OF DYKE</td><td>188.300</td><td>7913447.796</td><td>561183.924</td></tr><tr><td>118</td><td>TOE OF DYKE</td><td>188.300</td><td>7913440.253</td><td>561172.804</td></tr><tr><td>119</td><td>TOE OF DYKE</td><td>188.300</td><td>7913435.730</td><td>561167.785</td></tr><tr><td>120</td><td>TOE OF DYKE</td><td>187.895</td><td>7913439.356</td><td>561167.529</td></tr><tr><td>121</td><td>TOE OF DYKE</td><td>188.050</td><td>7913426.311</td><td>561155.615</td></tr><tr><td>122</td><td>TOE OF DYKE</td><td>188.207</td><td>7913422.856</td><td>561154.444</td></tr><tr><td>123</td><td>TOE OF DYKE</td><td>188.300</td><td>7913416.180</td><td>561150.680</td></tr><tr><td>124</td><td>TOE OF DYKE</td><td>188.300</td><td>7913405.728</td><td>561141.546</td></tr><tr><td>125</td><td>TOE OF DYKE</td><td>188.300</td><td>7913404.788</td><td>561138.573</td></tr><tr><td>126</td><td>TOE OF DYKE</td><td>188.300</td><td>7913406.523</td><td>561123.329</td></tr><tr><td>127</td><td>TOE OF DYKE</td><td>188.300</td><td>7913413.281</td><td>561103.904</td></tr><tr><td>128</td><td>TOE OF DYKE</td><td>188.300</td><td>7913418.040</td><td>561084.478</td></tr><tr><td>129</td><td>TOE OF DYKE</td><td>188.300</td><td>7913422.798</td><td>561085.052</td></tr><tr><td>130</td><td>TOE OF DYKE</td><td>188.300</td><td>7913427.587</td><td>561045.627</td></tr><tr><td>131</td><td>TOE OF DYKE</td><td>188.300</td><td>7913432.316</td><td>561026.201</td></tr><tr><td>132</td><td>TOE OF DYKE</td><td>188.300</td><td>7913436.050</td><td>561010.957</td></tr><tr><td>133</td><td>TOE OF DYKE</td><td>188.300</td><td>7913438.257</td><td>561008.755</td></tr><tr><td>134</td><td>TOE OF DYKE</td><td>188.300</td><td>7913449.312</td><td>561006.076</td></tr><tr><td>135</td><td>TOE OF DYKE</td><td>188.300</td><td>7913460.387</td><td>561003.398</td></tr><tr><td>136</td><td>TOE OF DYKE</td><td>188.300</td><td>7913465.640</td><td>561000.590</td></tr><tr><td>137</td><td>TOE OF DYKE</td><td>188.300</td><td>7913480.906</td><td>560986.626</td></tr><tr><td>138</td><td>TOE OF DYKE</td><td>188.300</td><td>7913498.863</td><td>560970.384</td></tr><tr><td>139</td><td>TOE OF DYKE</td><td>188.300</td><td>7913506.105</td><td>560963.578</td></tr><tr><td>200</td><td>TOP OF DYKE</td><td>190.100</td><td>7913524.417</td><td>560973.216</td></tr><tr><td>201</td><td>TOP OF DYKE</td><td>190.100</td><td>7913518.855</td><td>560995.922</td></tr><tr><td>202</td><td>TOP OF DYKE</td><td>190.100</td><td>7913513.237</td><td>561018.858</td></tr><tr><td>203</td><td>TOP OF DYKE</td><td>190.100</td><td>7913506.782</td><td>561033.024</td></tr><tr><td>204</td><td>TOP OF DYKE</td><td>190.100</td><td>7913500.187</td><td>561042.363</td></tr><tr><td>205</td><td>TOP OF DYKE</td><td>190.100</td><td>7913493.593</td><td>561051.702</td></tr><tr><td>206</td><td>TOP OF DYKE</td><td>190.100</td><td>7913488.954</td><td>561060.527</td></tr><tr><td>207</td><td>TOP OF DYKE</td><td>190.100</td><td>7913483.478</td><td>561075.386</td></tr><tr><td>208</td><td>TOP OF DYKE</td><td>190.100</td><td>7913478.002</td><td>561090.245</td></tr><tr><td>209</td><td>TOP OF DYKE</td><td>190.100</td><td>7913475.482</td><td>561099.256</td></tr><tr><td>210</td><td>TOP OF DYKE</td><td>190.100</td><td>7913472.141</td><td>561116.431</td></tr><tr><td>211</td><td>TOP OF DYKE</td><td>190.100</td><td>7913471.244</td><td>561121.741</td></tr><tr><td>212</td><td>TOP OF DYKE</td><td>190.100</td><td>7913468.897</td><td>561138.119</td></tr><tr><td>213</td><td>TOP OF DYKE</td><td>190.100</td><td>7913466.045</td><td>561158.012</td></tr><tr><td>214</td><td>TOP OF DYKE</td><td>190.100</td><td>7913463.194</td><td>561177.905</td></tr><tr><td>215</td><td>TOP OF DYKE</td><td>190.100</td><td>7913460.724</td><td>561195.136</td></tr><tr><td>216</td><td>TOP OF DYKE</td><td>190.100</td><td>7913452.364</td><td>561197.066</td></tr><tr><td>217</td><td>TOP OF DYKE</td><td>190.100</td><td>7913444.819</td><td>561185.945</td></tr><tr><td>218</td><td>TOP OF DYKE</td><td>190.100</td><td>7913437.274</td><td>561174.825</td></tr><tr><td>219</td><td>TOP OF DYKE</td><td>190.100</td><td>7913433.647</td><td>561170.726</td></tr></table>	LAYOUT & GRADING POINTS					TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING	100	TOE OF DYKE	188.300	7913520.921	560972.960	101	TOE OF DYKE	188.300	7913515.359	560995.085	102	TOE OF DYKE	188.300	7913509.740	561018.002	103	TOE OF DYKE	188.300	7913503.841	561030.947	104	TOE OF DYKE	188.300	7913497.247	561040.287	105	TOE OF DYKE	188.300	7913490.652	561049.626	106	TOE OF DYKE	188.300	7913485.576	561059.282	107	TOE OF DYKE	188.300	7913480.100	561074.141	108	TOE OF DYKE	188.300	7913474.624	561089.000	109	TOE OF DYKE	188.300	7913471.948	561098.569	110	TOE OF DYKE	188.300	7913468.607	561115.743	111	TOE OF DYKE	188.300	7913467.681	561121.230	112	TOE OF DYKE	188.300	7913465.383	561137.258	113	TOE OF DYKE	188.300	7913462.532	561157.151	114	TOE OF DYKE	188.300	7913459.680	561177.044	115	TOE OF DYKE	188.300	7913457.180	561194.625	116	TOE OF DYKE	188.300	7913455.343	561195.045	117	TOE OF DYKE	188.300	7913447.796	561183.924	118	TOE OF DYKE	188.300	7913440.253	561172.804	119	TOE OF DYKE	188.300	7913435.730	561167.785	120	TOE OF DYKE	187.895	7913439.356	561167.529	121	TOE OF DYKE	188.050	7913426.311	561155.615	122	TOE OF DYKE	188.207	7913422.856	561154.444	123	TOE OF DYKE	188.300	7913416.180	561150.680	124	TOE OF DYKE	188.300	7913405.728	561141.546	125	TOE OF DYKE	188.300	7913404.788	561138.573	126	TOE OF DYKE	188.300	7913406.523	561123.329	127	TOE OF DYKE	188.300	7913413.281	561103.904	128	TOE OF DYKE	188.300	7913418.040	561084.478	129	TOE OF DYKE	188.300	7913422.798	561085.052	130	TOE OF DYKE	188.300	7913427.587	561045.627	131	TOE OF DYKE	188.300	7913432.316	561026.201	132	TOE OF DYKE	188.300	7913436.050	561010.957	133	TOE OF DYKE	188.300	7913438.257	561008.755	134	TOE OF DYKE	188.300	7913449.312	561006.076	135	TOE OF DYKE	188.300	7913460.387	561003.398	136	TOE OF DYKE	188.300	7913465.640	561000.590	137	TOE OF DYKE	188.300	7913480.906	560986.626	138	TOE OF DYKE	188.300	7913498.863	560970.384	139	TOE OF DYKE	188.300	7913506.105	560963.578	200	TOP OF DYKE	190.100	7913524.417	560973.216	201	TOP OF DYKE	190.100	7913518.855	560995.922	202	TOP OF DYKE	190.100	7913513.237	561018.858	203	TOP OF DYKE	190.100	7913506.782	561033.024	204	TOP OF DYKE	190.100	7913500.187	561042.363	205	TOP OF DYKE	190.100	7913493.593	561051.702	206	TOP OF DYKE	190.100	7913488.954	561060.527	207	TOP OF DYKE	190.100	7913483.478	561075.386	208	TOP OF DYKE	190.100	7913478.002	561090.245	209	TOP OF DYKE	190.100	7913475.482	561099.256	210	TOP OF DYKE	190.100	7913472.141	561116.431	211	TOP OF DYKE	190.100	7913471.244	561121.741	212	TOP OF DYKE	190.100	7913468.897	561138.119	213	TOP OF DYKE	190.100	7913466.045	561158.012	214	TOP OF DYKE	190.100	7913463.194	561177.905	215	TOP OF DYKE	190.100	7913460.724	561195.136	216	TOP OF DYKE	190.100	7913452.364	561197.066	217	TOP OF DYKE	190.100	7913444.819	561185.945	218	TOP OF DYKE	190.100	7913437.274	561174.825	219	TOP OF DYKE	190.100	7913433.647	561170.726	<table><tr><th colspan="5">LAYOUT & GRADING POINTS</th></tr><tr><th>TARGET No.</th><th>FEATURE</th><th>ELEVATION</th><th>NORTHING</th><th>EASTING</th></tr><tr><td>220</td><td>TOP OF DYKE</td><td>190.100</td><td>7913426.966</td><td>561164.887</td></tr><tr><td>221</td><td>TOP OF DYKE</td><td>190.100</td><td>7913422.871</td><td>561158.448</td></tr><tr><td>222</td><td>TOP OF DYKE</td><td>190.100</td><td>7913413.811</td><td>561153.390</td></tr><tr><td>223</td><td>TOP OF DYKE</td><td>190.100</td><td>7913403.359</td><td>561144.257</td></tr><tr><td>224</td><td>TOP OF DYKE</td><td>190.100</td><td>7913401.292</td><td>561137.717</td></tr><tr><td>225</td><td>TOP OF DYKE</td><td>190.100</td><td>7913405.026</td><td>561122.473</td></tr><tr><td>226</td><td>TOP OF DYKE</td><td>190.100</td><td>7913409.792</td><td>561103.049</td></tr><tr><td>227</td><td>TOP OF DYKE</td><td>190.020</td><td>7913411.637</td><td>561099.159</td></tr><tr><td>228</td><td>TOP OF DYKE</td><td>190.020</td><td>7913414.699</td><td>561083.660</td></tr><tr><td>229</td><td>TOP OF DYKE</td><td>190.020</td><td>7913417.584</td><td>561071.879</td></tr><tr><td>230</td><td>TOP OF DYKE</td><td>190.100</td><td>7913419.214</td><td>561064.555</td></tr><tr><td>231</td><td>TOP OF DYKE</td><td>190.100</td><td>7913424.060</td><td>561044.770</td></tr><tr><td>232</td><td>TOP OF DYKE</td><td>190.100</td><td>7913428.819</td><td>561025.345</td></tr><tr><td>233</td><td>TOP OF DYKE</td><td>190.100</td><td>7913432.553</td><td>561010.101</td></tr><tr><td>234</td><td>TOP OF DYKE</td><td>190.100</td><td>7913437.409</td><td>561005.257</td></tr><tr><td>235</td><td>TOP OF DYKE</td><td>190.100</td><td>7913448.464</td><td>561002.578</td></tr><tr><td>236</td><td>TOP OF DYKE</td><td>190.100</td><td>7913459.519</td><td>560999.899</td></tr><tr><td>237</td><td>TOP OF DYKE</td><td>190.100</td><td>7913463.210</td><td>560997.933</td></tr><tr><td>238</td><td>TOP OF DYKE</td><td>190.100</td><td>7913478.414</td><td>560984.027</td></tr><tr><td>239</td><td>TOP OF DYKE</td><td>190.100</td><td>7913496.258</td><td>560967.705</td></tr><tr><td>240</td><td>TOP OF DYKE</td><td>190.100</td><td>7913503.875</td><td>560960.921</td></tr><tr><td>300</td><td>ROAD EDGE</td><td>188.300</td><td>7913528.885</td><td>560974.311</td></tr><tr><td>301</td><td>ROAD EDGE</td><td>188.300</td><td>7913523.323</td><td>560997.016</td></tr><tr><td>302</td><td>ROAD EDGE</td><td>188.300</td><td>7913517.704</td><td>561019.953</td></tr><tr><td>303</td><td>ROAD EDGE</td><td>188.300</td><td>7913510.540</td><td>561035.877</td></tr><tr><td>304</td><td>ROAD EDGE</td><td>188.300</td><td>7913503.945</td><td>561045.016</td></tr><tr><td>305</td><td>ROAD EDGE</td><td>188.300</td><td>7913497.350</td><td>561054.356</td></tr><tr><td>306</td><td>ROAD EDGE</td><td>188.300</td><td>7913493.270</td><td>561062.118</td></tr><tr><td>307</td><td>ROAD EDGE</td><td>188.300</td><td>7913487.716</td><td>561077.189</td></tr><tr><td>308</td><td>ROAD EDGE</td><td>188.302</td><td>7913482.162</td><td>561092.259</td></tr><tr><td>309</td><td>ROAD EDGE</td><td>189.500</td><td>7913471.921</td><td>561132.526</td></tr><tr><td>310</td><td>ROAD EDGE</td><td>189.500</td><td>7913471.044</td><td>561138.645</td></tr><tr><td>311</td><td>ROAD EDGE</td><td>189.500</td><td>7913468.192</td><td>561158.538</td></tr><tr><td>312</td><td>ROAD EDGE</td><td>189.500</td><td>7913465.341</td><td>561178.431</td></tr><tr><td>313</td><td>ROAD EDGE</td><td>189.500</td><td>7913462.902</td><td>561195.448</td></tr><tr><td>314</td><td>ROAD EDGE</td><td>189.500</td><td>7913450.182</td><td>561197.789</td></tr><tr><td>315</td><td>ROAD EDGE</td><td>189.629</td><td>7913442.588</td><td>561186.576</td></tr><tr><td>316</td><td>ROAD EDGE</td><td>189.759</td><td>7913434.871</td><td>561175.202</td></tr><tr><td>317</td><td>ROAD EDGE</td><td>190.081</td><td>7913427.216</td><td>561166.514</td></tr><tr><td>318</td><td>ROAD EDGE</td><td>190.100</td><td>7913426.278</td><td>561165.837</td></tr><tr><td>319</td><td>ROAD EDGE</td><td>190.100</td><td>7913412.953</td><td>561153.970</td></tr><tr><td>320</td><td>ROAD EDGE</td><td>189.873</td><td>7913408.794</td><td>561151.621</td></tr><tr><td>321</td><td>ROAD EDGE</td><td>189.501</td><td>7913402.720</td><td>561146.618</td></tr><tr><td>322</td><td>ROAD EDGE</td><td>189.200</td><td>7913399.109</td><td>561134.859</td></tr><tr><td>323</td><td>ROAD EDGE</td><td>189.200</td><td>7913400.370</td><td>561129.711</td></tr><tr><td>324</td><td>ROAD EDGE</td><td>189.158</td><td>7913400.705</td><td>561127.748</td></tr><tr><td>325</td><td>ROAD EDGE</td><td>189.000</td><td>7913401.357</td><td>561124.000</td></tr><tr><td>326</td><td>ROAD EDGE</td><td>189.500</td><td>7913402.451</td><td>561117.077</td></tr><tr><td>327</td><td>ROAD EDGE</td><td>190.000</td><td>7913403.545</td><td>561110.154</td></tr><tr><td>328</td><td>ROAD EDGE</td><td>190.574</td><td>7913404.802</td><td>561102.207</td></tr><tr><td>329</td><td>ROAD EDGE</td><td>190.124</td><td>7913406.586</td><td>561094.922</td></tr><tr><td>330</td><td>ROAD EDGE</td><td>190.124</td><td>7913412.534</td><td>561070.640</td></tr><tr><td>331</td><td>ROAD EDGE</td><td>190.574</td><td>7913414.319</td><td>561063.355</td></tr><tr><td>332</td><td>ROAD EDGE</td><td>190.555</td><td>7913414.437</td><td>561062.872</td></tr><tr><td>333</td><td>ROAD EDGE</td><td>189.666</td><td>7913415.567</td><td>561051.153</td></tr><tr><td>334</td><td>ROAD EDGE</td><td>188.500</td><td>7913415.027</td><td>561039.890</td></tr><tr><td>335</td><td>ROAD EDGE</td><td>187.500</td><td>7913414.680</td><td>561032.234</td></tr><tr><td>336</td><td>ROAD EDGE</td><td>186.546</td><td>7913414.081</td><td>561020.162</td></tr><tr><td>337</td><td>ROAD EDGE</td><td>185.801</td><td>7913413.387</td><td>561005.684</td></tr><tr><td>338</td><td>ROAD EDGE</td><td>185.600</td><td>7913413.501</td><td>561003.575</td></tr></table>	LAYOUT & GRADING POINTS					TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING	220	TOP OF DYKE	190.100	7913426.966	561164.887	221	TOP OF DYKE	190.100	7913422.871	561158.448	222	TOP OF DYKE	190.100	7913413.811	561153.390	223	TOP OF DYKE	190.100	7913403.359	561144.257	224	TOP OF DYKE	190.100	7913401.292	561137.717	225	TOP OF DYKE	190.100	7913405.026	561122.473	226	TOP OF DYKE	190.100	7913409.792	561103.049	227	TOP OF DYKE	190.020	7913411.637	561099.159	228	TOP OF DYKE	190.020	7913414.699	561083.660	229	TOP OF DYKE	190.020	7913417.584	561071.879	230	TOP OF DYKE	190.100	7913419.214	561064.555	231	TOP OF DYKE	190.100	7913424.060	561044.770	232	TOP OF DYKE	190.100	7913428.819	561025.345	233	TOP OF DYKE	190.100	7913432.553	561010.101	234	TOP OF DYKE	190.100	7913437.409	561005.257	235	TOP OF DYKE	190.100	7913448.464	561002.578	236	TOP OF DYKE	190.100	7913459.519	560999.899	237	TOP OF DYKE	190.100	7913463.210	560997.933	238	TOP OF DYKE	190.100	7913478.414	560984.027	239	TOP OF DYKE	190.100	7913496.258	560967.705	240	TOP OF DYKE	190.100	7913503.875	560960.921	300	ROAD EDGE	188.300	7913528.885	560974.311	301	ROAD EDGE	188.300	7913523.323	560997.016	302	ROAD EDGE	188.300	7913517.704	561019.953	303	ROAD EDGE	188.300	7913510.540	561035.877	304	ROAD EDGE	188.300	7913503.945	561045.016	305	ROAD EDGE	188.300	7913497.350	561054.356	306	ROAD EDGE	188.300	7913493.270	561062.118	307	ROAD EDGE	188.300	7913487.716	561077.189	308	ROAD EDGE	188.302	7913482.162	561092.259	309	ROAD EDGE	189.500	7913471.921	561132.526	310	ROAD EDGE	189.500	7913471.044	561138.645	311	ROAD EDGE	189.500	7913468.192	561158.538	312	ROAD EDGE	189.500	7913465.341	561178.431	313	ROAD EDGE	189.500	7913462.902	561195.448	314	ROAD EDGE	189.500	7913450.182	561197.789	315	ROAD EDGE	189.629	7913442.588	561186.576	316	ROAD EDGE	189.759	7913434.871	561175.202	317	ROAD EDGE	190.081	7913427.216	561166.514	318	ROAD EDGE	190.100	7913426.278	561165.837	319	ROAD EDGE	190.100	7913412.953	561153.970	320	ROAD EDGE	189.873	7913408.794	561151.621	321	ROAD EDGE	189.501	7913402.720	561146.618	322	ROAD EDGE	189.200	7913399.109	561134.859	323	ROAD EDGE	189.200	7913400.370	561129.711	324	ROAD EDGE	189.158	7913400.705	561127.748	325	ROAD EDGE	189.000	7913401.357	561124.000	326	ROAD EDGE	189.500	7913402.451	561117.077	327	ROAD EDGE	190.000	7913403.545	561110.154	328	ROAD EDGE	190.574	7913404.802	561102.207	329	ROAD EDGE	190.124	7913406.586	561094.922	330	ROAD EDGE	190.124	7913412.534	561070.640	331	ROAD EDGE	190.574	7913414.319	561063.355	332	ROAD EDGE	190.555	7913414.437	561062.872	333	ROAD EDGE	189.666	7913415.567	561051.153	334	ROAD EDGE	188.500	7913415.027	561039.890	335	ROAD EDGE	187.500	7913414.680	561032.234	336	ROAD EDGE	186.546	7913414.081	561020.162	337	ROAD EDGE	185.801	7913413.387	561005.684	338	ROAD EDGE	185.600	7913413.501	561003.575	<table><tr><th colspan="5">LAYOUT & GRADING POINTS</th></tr><tr><th>TARGET No.</th><th>FEATURE</th><th>ELEVATION</th><th>NORTHING</th><th>EASTING</th></tr><tr><td>339</td><td>ROAD EDGE</td><td>185.534</td><td>7913414.990</td><td>561002.575</td></tr><tr><td>340</td><td>ROAD EDGE</td><td>186.016</td><td>7913426.163</td><td>560998.483</td></tr><tr><td>341</td><td>ROAD EDGE</td><td>186.500</td><td>7913434.287</td><td>560997.641</td></tr><tr><td>342</td><td>ROAD EDGE</td><td>187.000</td><td>7913442.249</td><td>560996.695</td></tr><tr><td>343</td><td>ROAD EDGE</td><td>187.335</td><td>7913449.714</td><td>560995.863</td></tr><tr><td>344</td><td>ROAD EDGE</td><td>188.300</td><td>7913467.108</td><td>560988.134</td></tr><tr><td>345</td><td>ROAD EDGE</td><td>188.300</td><td>7913475.366</td><td>560980.580</td></tr><tr><td>346</td><td>ROAD EDGE</td><td>188.300</td><td>7913493.206</td><td>560964.263</td></tr><tr><td>347</td><td>ROAD EDGE</td><td>188.300</td><td>7913500.570</td><td>560957.527</td></tr><tr><td>400</td><td>ROAD EDGE</td><td>188.180</td><td>7913534.713</td><td>560975.738</td></tr><tr><td>401</td><td>ROAD EDGE</td><td>188.180</td><td>7913529.122</td><td>560998.559</td></tr><tr><td>402</td><td>ROAD EDGE</td><td>188.180</td><td>7913523.532</td><td>561021.380</td></tr><tr><td>403</td><td>ROAD EDGE</td><td>188.180</td><td>7913515.441</td><td>561039.138</td></tr><tr><td>404</td><td>ROAD EDGE</td><td>188.180</td><td>7913508.846</td><td>561048.477</td></tr><tr><td>405</td><td>ROAD EDGE</td><td>188.180</td><td>7913502.251</td><td>561057.816</td></tr><tr><td>406</td><td>ROAD EDGE</td><td>188.180</td><td>7913498.900</td><td>561064.193</td></tr><tr><td>407</td><td>ROAD EDGE</td><td>188.180</td><td>7913493.346</td><td>561079.263</td></tr><tr><td>408</td><td>ROAD EDGE</td><td>188.182</td><td>7913487.792</td><td>561094.334</td></tr><tr><td>409</td><td>ROAD EDGE</td><td>189.380</td><td>7913477.786</td><td>561133.892</td></tr><tr><td>410</td><td>ROAD EDGE</td><td>189.380</td><td>7913476.900</td><td>561140.079</td></tr><tr><td>411</td><td>ROAD EDGE</td><td>189.380</td><td>7913474.048</td><td>561159.972</td></tr><tr><td>412</td><td>ROAD EDGE</td><td>189.380</td><td>7913471.197</td><td>561179.865</td></tr><tr><td>413</td><td>ROAD EDGE</td><td>189.380</td><td>7913467.814</td><td>561203.461</td></tr><tr><td>414</td><td>ROAD EDGE</td><td>189.380</td><td>7913460.165</td><td>561211.788</td></tr><tr><td>415</td><td>ROAD EDGE</td><td>189.380</td><td>7913449.640</td><td>561207.657</td></tr><tr><td>416</td><td>ROAD EDGE</td><td>189.547</td><td>7913439.773</td><td>561193.114</td></tr><tr><td>417</td><td>ROAD EDGE</td><td>189.842</td><td>7913428.906</td><td>561178.571</td></tr><tr><td>418</td><td>ROAD EDGE</td><td>189.981</td><td>7913423.249</td><td>561171.016</td></tr><tr><td>419</td><td>ROAD EDGE</td><td>190.000</td><td>7913410.718</td><td>561160.055</td></tr><tr><td>420</td><td>ROAD EDGE</td><td>189.628</td><td>7913402.999</td><td>561154.795</td></tr><tr><td>421</td><td>ROAD EDGE</td><td>189.279</td><td>7913395.592</td><td>561148.359</td></tr><tr><td>422</td><td>ROAD EDGE</td><td>189.991</td><td>7913376.227</td><td>561153.881</td></tr><tr><td>423</td><td>ROAD EDGE</td><td>188.557</td><td>7913385.792</td><td>561120.122</td></tr><tr><td>424</td><td>ROAD EDGE</td><td>189.000</td><td>7913393.742</td><td>561122.135</td></tr><tr><td>425</td><td>ROAD EDGE</td><td>189.500</td><td>7913395.286</td><td>561115.831</td></tr><tr><td>426</td><td>ROAD EDGE</td><td>190.000</td><td>7913396.831</td><td>561109.528</td></tr><tr><td>427</td><td>ROAD EDGE</td><td>190.694</td><td>7913398.974</td><td>561100.779</td></tr><tr><td>428</td><td>ROAD EDGE</td><td>190.244</td><td>7913400.758</td><td>561093.495</td></tr><tr><td>429</td><td>ROAD EDGE</td><td>190.244</td><td>7913408.707</td><td>561089.213</td></tr><tr><td>430</td><td>ROAD EDGE</td><td>190.694</td><td>7913408.491</td><td>561061.928</td></tr><tr><td>431</td><td>ROAD EDGE</td><td>190.648</td><td>7913408.609</td><td>561061.445</td></tr><tr><td>432</td><td>ROAD EDGE</td><td>189.723</td><td>7913409.574</td><td>561051.440</td></tr><tr><td>433</td><td>ROAD EDGE</td><td>188.500</td><td>7913408.936</td><td>561038.128</td></tr><tr><td>434</td><td>ROAD EDGE</td><td>187.043</td><td>7913408.175</td><td>561022.259</td></tr><tr><td>435</td><td>ROAD EDGE</td><td>184.010</td><td>7913416.869</td><td>560988.132</td></tr><tr><td>436</td><td>ROAD EDGE</td><td>185.350</td><td>7913421.139</td><td>560993.005</td></tr><tr><td>437</td><td>ROAD EDGE</td><td>186.000</td><td>7913430.669</td><td>560991.945</td></tr><tr><td>438</td><td>ROAD EDGE</td><td>186.500</td><td>7913438.012</td><td>560991.128</td></tr><tr><td>439</td><td>ROAD EDGE</td><td>187.000</td><td>7913444.042</td><td>560990.460</td></tr><tr><td>440</td><td>ROAD EDGE</td><td>187.184</td><td>7913448.051</td><td>560989.900</td></tr><tr><td>441</td><td>ROAD EDGE</td><td>188.180</td><td>7913463.058</td><td>560983.707</td></tr><tr><td>442</td><td>ROAD EDGE</td><td>188.180</td><td>7913471.317</td><td>560976.153</td></tr><tr><td>443</td><td>ROAD EDGE</td><td>188.180</td><td>7913489.157</td><td>560959.835</td></tr><tr><td>444</td><td>ROAD EDGE</td><td>188.180</td><td>7913496.521</td><td>560953.100</td></tr><tr><td>500</td><td>GRADE BREAK</td><td>188.032</td><td>7913510.894</td><td>560985.541</td></tr><tr><td>501</td><td>GRADE BREAK</td><td>188.000</td><td>7913505.942</td><td>561003.054</td></tr><tr><td>502</td><td>GRADE BREAK</td><td>187.965</td><td>7913500.497</td><td>561022.312</td></tr><tr><td>503</td><td>GRADE BREAK</td><td>187.957</td><td>7913499.325</td><td>561028.457</td></tr><tr><td>504</td><td>GRADE BREAK</td><td>187.739</td><td>7913479.995</td><td>561064.014</td></tr><tr><td>505</td><td>GRADE BREAK</td><td>187.731</td><td>7913487.594</td><td>561039.742</td></tr></table>	LAYOUT & GRADING POINTS					TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING	339	ROAD EDGE	185.534	7913414.990	561002.575	340	ROAD EDGE	186.016	7913426.163	560998.483	341	ROAD EDGE	186.500	7913434.287	560997.641	342	ROAD EDGE	187.000	7913442.249	560996.695	343	ROAD EDGE	187.335	7913449.714	560995.863	344	ROAD EDGE	188.300	7913467.108	560988.134	345	ROAD EDGE	188.300	7913475.366	560980.580	346	ROAD EDGE	188.300	7913493.206	560964.263	347	ROAD EDGE	188.300	7913500.570	560957.527	400	ROAD EDGE	188.180	7913534.713	560975.738	401	ROAD EDGE	188.180	7913529.122	560998.559	402	ROAD EDGE	188.180	7913523.532	561021.380	403	ROAD EDGE	188.180	7913515.441	561039.138	404	ROAD EDGE	188.180	7913508.846	561048.477	405	ROAD EDGE	188.180	7913502.251	561057.816	406	ROAD EDGE	188.180	7913498.900	561064.193	407	ROAD EDGE	188.180	7913493.346	561079.263	408	ROAD EDGE	188.182	7913487.792	561094.334	409	ROAD EDGE	189.380	7913477.786	561133.892	410	ROAD EDGE	189.380	7913476.900	561140.079	411	ROAD EDGE	189.380	7913474.048	561159.972	412	ROAD EDGE	189.380	7913471.197	561179.865	413	ROAD EDGE	189.380	7913467.814	561203.461	414	ROAD EDGE	189.380	7913460.165	561211.788	415	ROAD EDGE	189.380	7913449.640	561207.657	416	ROAD EDGE	189.547	7913439.773	561193.114	417	ROAD EDGE	189.842	7913428.906	561178.571	418	ROAD EDGE	189.981	7913423.249	561171.016	419	ROAD EDGE	190.000	7913410.718	561160.055	420	ROAD EDGE	189.628	7913402.999	561154.795	421	ROAD EDGE	189.279	7913395.592	561148.359	422	ROAD EDGE	189.991	7913376.227	561153.881	423	ROAD EDGE	188.557	7913385.792	561120.122	424	ROAD EDGE	189.000	7913393.742	561122.135	425	ROAD EDGE	189.500	7913395.286	561115.831	426	ROAD EDGE	190.000	7913396.831	561109.528	427	ROAD EDGE	190.694	7913398.974	561100.779	428	ROAD EDGE	190.244	7913400.758	561093.495	429	ROAD EDGE	190.244	7913408.707	561089.213	430	ROAD EDGE	190.694	7913408.491	561061.928	431	ROAD EDGE	190.648	7913408.609	561061.445	432	ROAD EDGE	189.723	7913409.574	561051.440	433	ROAD EDGE	188.500	7913408.936	561038.128	434	ROAD EDGE	187.043	7913408.175	561022.259	435	ROAD EDGE	184.010	7913416.869	560988.132	436	ROAD EDGE	185.350	7913421.139	560993.005	437	ROAD EDGE	186.000	7913430.669	560991.945	438	ROAD EDGE	186.500	7913438.012	560991.128	439	ROAD EDGE	187.000	7913444.042	560990.460	440	ROAD EDGE	187.184	7913448.051	560989.900	441	ROAD EDGE	188.180	7913463.058	560983.707	442	ROAD EDGE	188.180	7913471.317	560976.153	443	ROAD EDGE	188.180	7913489.157	560959.835	444	ROAD EDGE	188.180	7913496.521	560953.100	500	GRADE BREAK	188.032	7913510.894	560985.541	501	GRADE BREAK	188.000	7913505.942	561003.054	502	GRADE BREAK	187.965	7913500.497	561022.312	503	GRADE BREAK	187.957	7913499.325	561028.457	504	GRADE BREAK	187.739	7913479.995	561064.014	505	GRADE BREAK	187.731	7913487.594	561039.742	<table><tr><th colspan="5">LAYOUT & GRADING POINTS</th></tr><tr><th>TARGET No.</th><th>FEATURE</th><th>ELEVATION</th><th>NORTHING</th><th>EASTING</th></tr><tr><td>506</td><td>GRADE BREAK</td><td>187.719</td><td>7913493.459</td><td>561021.063</td></tr><tr><td>507</td><td>GRADE BREAK</td><td>187.719</td><td>7913495.776</td><td>561011.642</td></tr><tr><td>508</td><td>GRADE BREAK</td><td>187.724</td><td>7913497.789</td><td>561001.057</td></tr><tr><td>509</td><td>GRADE BREAK</td><td>187.734</td><td>7913501.240</td><td>560982.869</td></tr><tr><td>510</td><td>GRADE BREAK</td><td>187.738</td><td>7913502.165</td><td>560977.323</td></tr><tr><td>511</td><td>GRADE BREAK</td><td>187.768</td><td>7913507.943</td><td>560975.458</td></tr><tr><td>512</td><td>GRADE BREAK</td><td>188.065</td><td></td></tr></table>	LAYOUT & GRADING POINTS					TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING	506	GRADE BREAK	187.719	7913493.459	561021.063	507	GRADE BREAK	187.719	7913495.776	561011.642	508	GRADE BREAK	187.724	7913497.789	561001.057	509	GRADE BREAK	187.734	7913501.240	560982.869	510	GRADE BREAK	187.738	7913502.165	560977.323	511	GRADE BREAK	187.768	7913507.943	560975.458	512	GRADE BREAK	188.065	
LAYOUT & GRADING POINTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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101	TOE OF DYKE	188.300	7913515.359	560995.085																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
102	TOE OF DYKE	188.300	7913509.740	561018.002																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
103	TOE OF DYKE	188.300	7913503.841	561030.947																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
104	TOE OF DYKE	188.300	7913497.247	561040.287																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
105	TOE OF DYKE	188.300	7913490.652	561049.626																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
106	TOE OF DYKE	188.300	7913485.576	561059.282																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
107	TOE OF DYKE	188.300	7913480.100	561074.141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
108	TOE OF DYKE	188.300	7913474.624	561089.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
109	TOE OF DYKE	188.300	7913471.948	561098.569																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
110	TOE OF DYKE	188.300	7913468.607	561115.743																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
111	TOE OF DYKE	188.300	7913467.681	561121.230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
112	TOE OF DYKE	188.300	7913465.383	561137.258																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
113	TOE OF DYKE	188.300	7913462.532	561157.151																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
114	TOE OF DYKE	188.300	7913459.680	561177.044																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
115	TOE OF DYKE	188.300	7913457.180	561194.625																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
116	TOE OF DYKE	188.300	7913455.343	561195.045																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
117	TOE OF DYKE	188.300	7913447.796	561183.924																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
118	TOE OF DYKE	188.300	7913440.253	561172.804																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
119	TOE OF DYKE	188.300	7913435.730	561167.785																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
120	TOE OF DYKE	187.895	7913439.356	561167.529																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
121	TOE OF DYKE	188.050	7913426.311	561155.615																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
122	TOE OF DYKE	188.207	7913422.856	561154.444																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
123	TOE OF DYKE	188.300	7913416.180	561150.680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
124	TOE OF DYKE	188.300	7913405.728	561141.546																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
125	TOE OF DYKE	188.300	7913404.788	561138.573																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
126	TOE OF DYKE	188.300	7913406.523	561123.329																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
127	TOE OF DYKE	188.300	7913413.281	561103.904																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
128	TOE OF DYKE	188.300	7913418.040	561084.478																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
129	TOE OF DYKE	188.300	7913422.798	561085.052																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
130	TOE OF DYKE	188.300	7913427.587	561045.627																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
131	TOE OF DYKE	188.300	7913432.316	561026.201																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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133	TOE OF DYKE	188.300	7913438.257	561008.755																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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135	TOE OF DYKE	188.300	7913460.387	561003.398																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
136	TOE OF DYKE	188.300	7913465.640	561000.590																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
137	TOE OF DYKE	188.300	7913480.906	560986.626																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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410	ROAD EDGE	189.380	7913476.900	561140.079																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
411	ROAD EDGE	189.380	7913474.048	561159.972																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
412	ROAD EDGE	189.380	7913471.197	561179.865																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
413	ROAD EDGE	189.380	7913467.814	561203.461																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
414	ROAD EDGE	189.380	7913460.165	561211.788																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
415	ROAD EDGE	189.380	7913449.640	561207.657																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
416	ROAD EDGE	189.547	7913439.773	561193.114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
417	ROAD EDGE	189.842	7913428.906	561178.571																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
418	ROAD EDGE	189.981	7913423.249	561171.016																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
419	ROAD EDGE	190.000	7913410.718	561160.055																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
420	ROAD EDGE	189.628	7913402.999	561154.795																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
421	ROAD EDGE	189.279	7913395.592	561148.359																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
422	ROAD EDGE	189.991	7913376.227	561153.881																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
423	ROAD EDGE	188.557	7913385.792	561120.122																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
424	ROAD EDGE	189.000	7913393.742	561122.135																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
425	ROAD EDGE	189.500	7913395.286	561115.831																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
426	ROAD EDGE	190.000	7913396.831	561109.528																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
427	ROAD EDGE	190.694	7913398.974	561100.779																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
428	ROAD EDGE	190.244	7913400.758	561093.495																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
429	ROAD EDGE	190.244	7913408.707	561089.213																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
430	ROAD EDGE	190.694	7913408.491	561061.928																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
431	ROAD EDGE	190.648	7913408.609	561061.445																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
432	ROAD EDGE	189.723	7913409.574	561051.440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
433	ROAD EDGE	188.500	7913408.936	561038.128																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
434	ROAD EDGE	187.043	7913408.175	561022.259																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
435	ROAD EDGE	184.010	7913416.869	560988.132																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
436	ROAD EDGE	185.350	7913421.139	560993.005																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
437	ROAD EDGE	186.000	7913430.669	560991.945																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
438	ROAD EDGE	186.500	7913438.012	560991.128																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
439	ROAD EDGE	187.000	7913444.042	560990.460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
440	ROAD EDGE	187.184	7913448.051	560989.900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
441	ROAD EDGE	188.180	7913463.058	560983.707																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
442	ROAD EDGE	188.180	7913471.317	560976.153																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
443	ROAD EDGE	188.180	7913489.157	560959.835																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
444	ROAD EDGE	188.180	7913496.521	560953.100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
500	GRADE BREAK	188.032	7913510.894	560985.541																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
501	GRADE BREAK	188.000	7913505.942	561003.054																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
502	GRADE BREAK	187.965	7913500.497	561022.312																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
503	GRADE BREAK	187.957	7913499.325	561028.457																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
504	GRADE BREAK	187.739	7913479.995	561064.014																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
505	GRADE BREAK	187.731	7913487.594	561039.742																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
LAYOUT & GRADING POINTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
506	GRADE BREAK	187.719	7913493.459	561021.063																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
507	GRADE BREAK	187.719	7913495.776	561011.642																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
508	GRADE BREAK	187.724	7913497.789	561001.057																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
509	GRADE BREAK	187.734	7913501.240	560982.869																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
510	GRADE BREAK	187.738	7913502.165	560977.323																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
511	GRADE BREAK	187.768	7913507.943	560975.458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
512	GRADE BREAK	188.065																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



PERMIT TO PRACTICE
HATCH LTD.
Signature: [Signature]
Date: 11/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWTNU

THIS DRAWING WAS PREPARED BY HATCH LTD. ("HATCH") FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP ("CLIENT") AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY-FREE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, RESTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING, AND THE INFORMATION CONTAINED HEREIN, SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE MODIFIED WITHOUT THE WRITTEN CONSENT OF HATCH.

HATCH

Baffinland

MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

MINE SITE
TANK FARM DYKE
SECTIONS A TO D

DRAWING No.	DRAWING TITLE
H353004-10000-220-273-0004-0001	MINE SITE DYKE SECTIONS & DETAILS
H353004-10000-220-272-0009-0001	MINE SITE TANK FARM GRADING PLAN
H353004-10000-220-280-0002-0001	MINE SITE TANK FARM DYKE MISCELLANEOUS DETAILS

REFERENCE DRAWINGS



REG. PROFESSIONAL

No.	DESCRIPTION	BY	CHK'D	DATE
2	TANK PAD ADDED TO SECTION B	SJM	MMI	19/02/01
1	SECTIONS UPDATED TO SUIT REVISED DYKE AND ACCESS ROAD LAYOUT, LINER TYPE REVISED	SJM	MMI	19-01-18
0	ISSUED FOR CONSTRUCTION	SJM	KML	18-07-25

REVISIONS

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	S. SKINNER		18-07-08
DESIGNER	K. MacLEAN		18-07-08
CHECKER	M. MacINTYRE		19/02/01
DESIGN COORD.	M. MacINTYRE		19/02/01
RESP. ENG.	F. BUTTS		19/02/01
LEAD DISC. ENG.	K. MacLEAN		19/02/01
ENG. MANAGER	G. PEACE		19/02/01
AREA MANAGER	H. NENTER		19/02/01
CLIENT	T. ATIBA		19/02/01

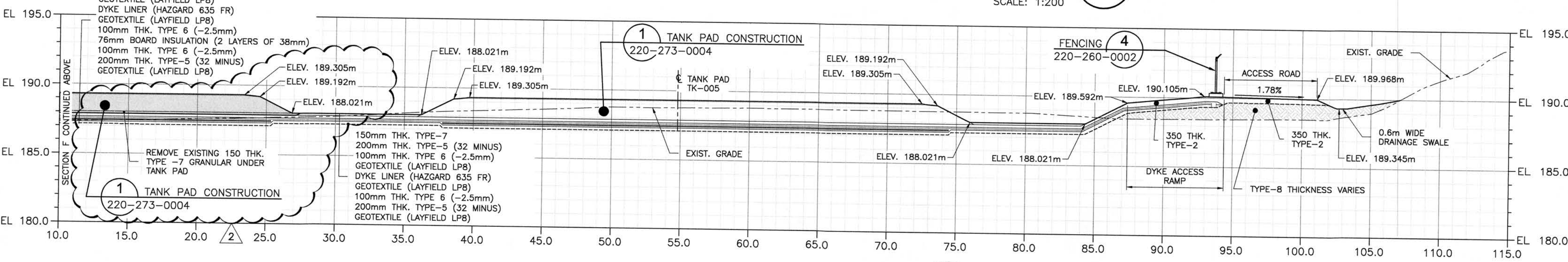
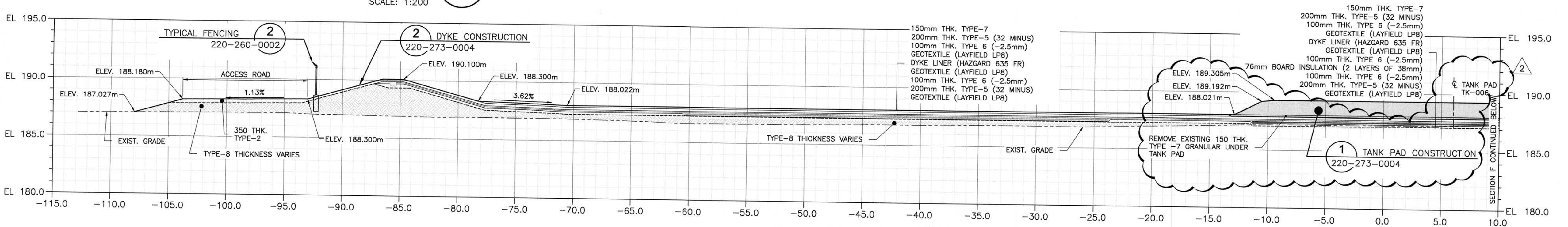
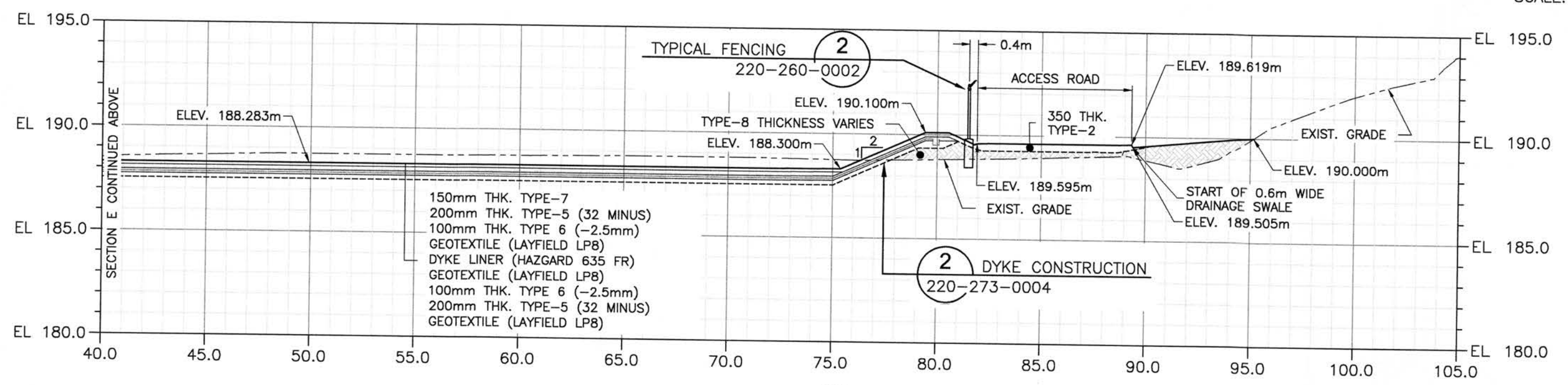
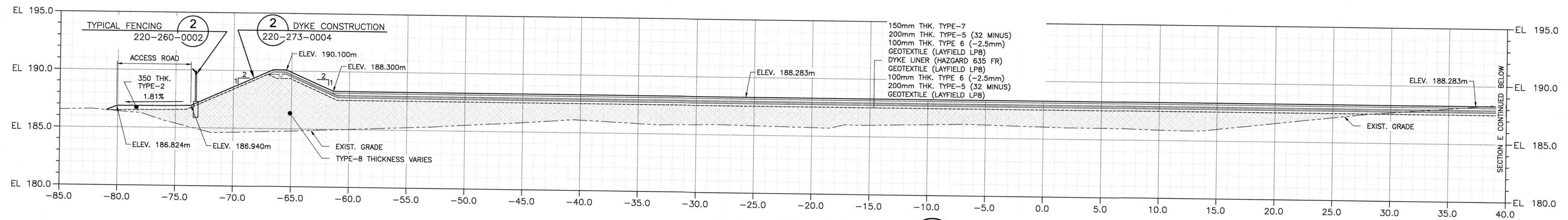
DRAWING APPROVAL STATUS: Approved for Construction

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Signature: [Signature]
Date: 14/02/01
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The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU

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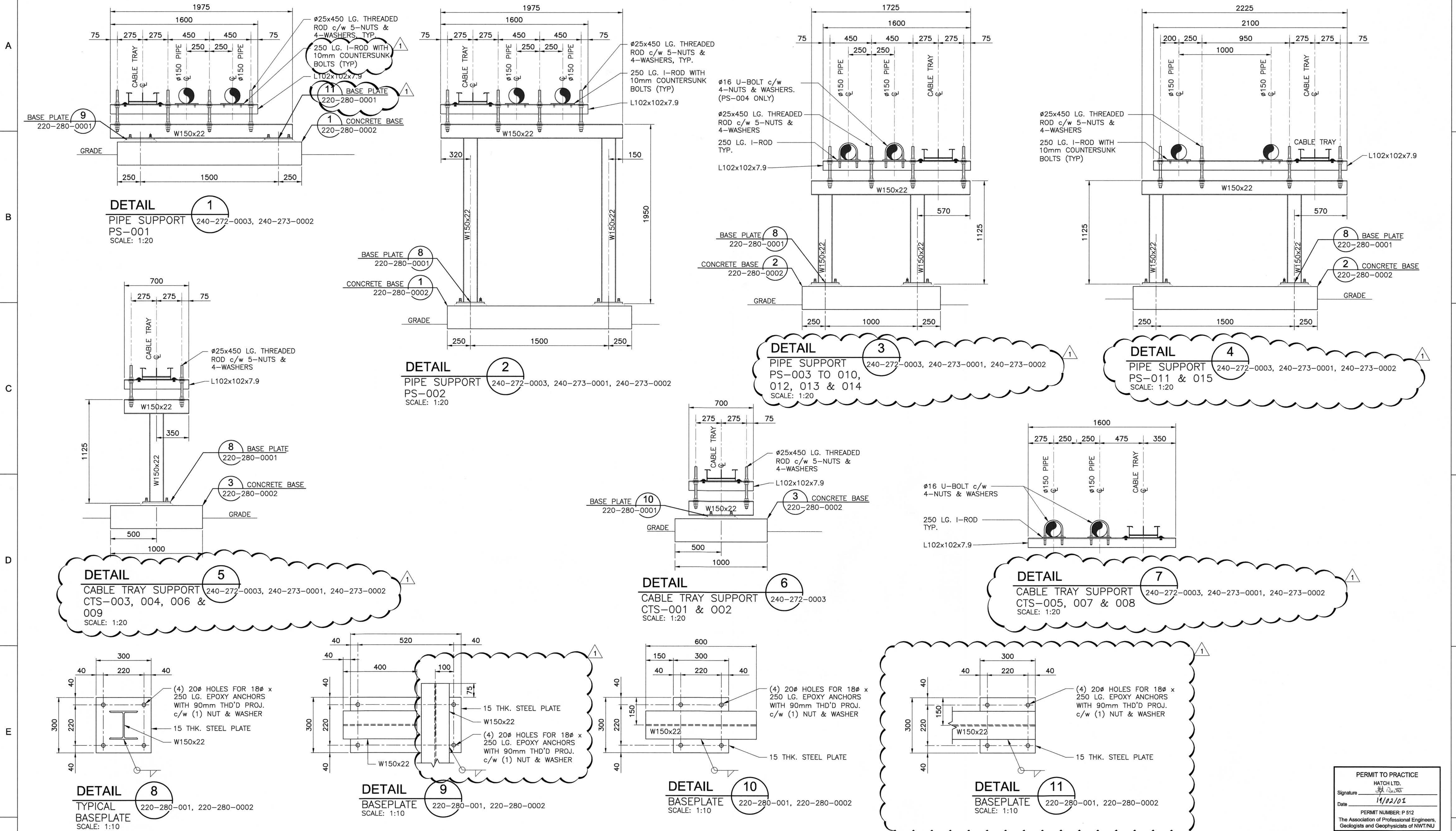
THIS DRAWING WAS PREPARED BY HATCH LTD. ("HATCH") FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP ("CLIENT") AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY-FREE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, REINSTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING, AND THE INFORMATION CONTAINED HEREIN, SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE REPRODUCED WITHOUT THE WRITTEN CONSENT OF HATCH.

HATCH

Baffinland

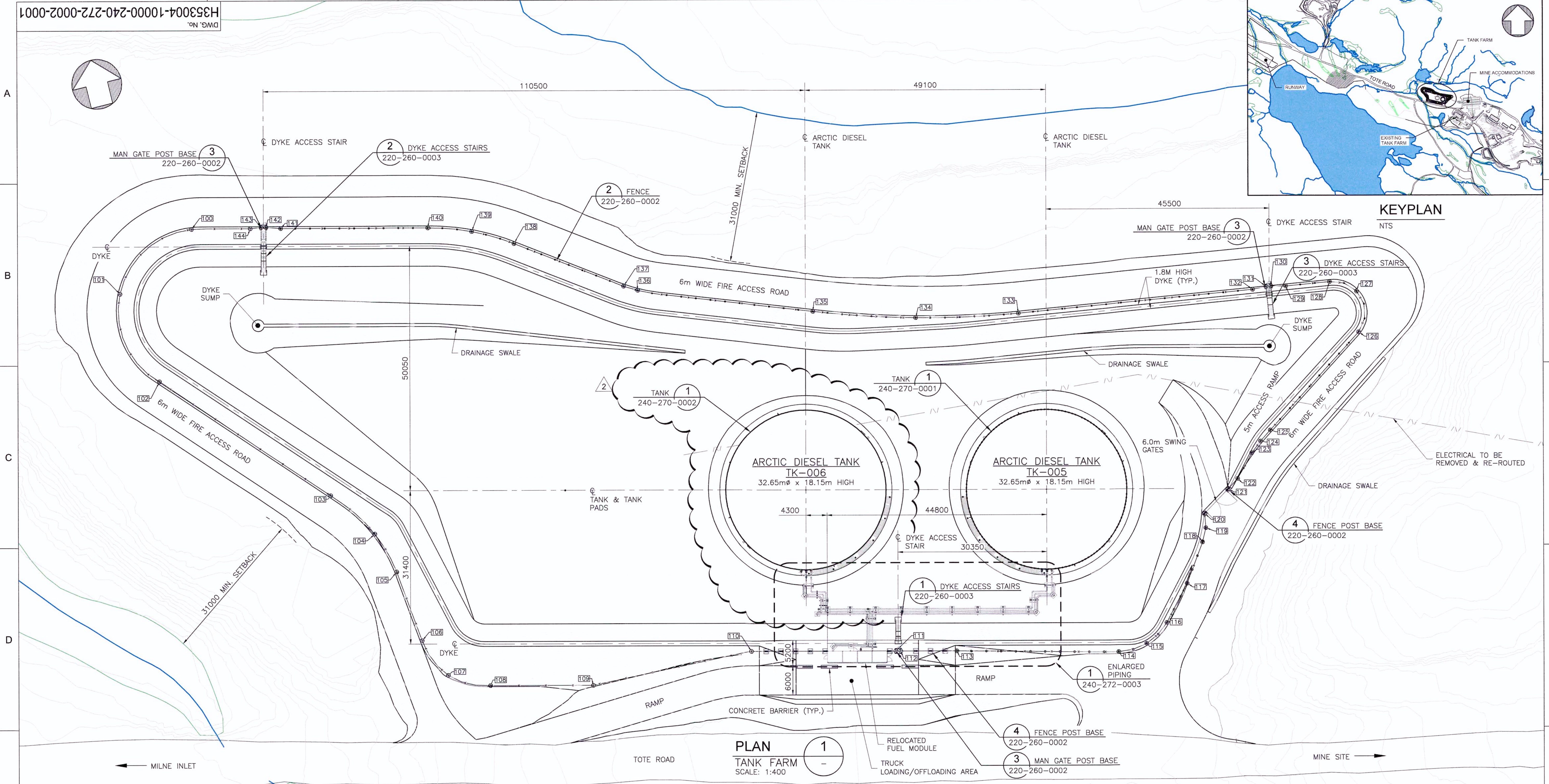
MARY RIVER EXPANSION PROJECT
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H353004-10000-240-272-0002-0001



FENCE LAYOUT POINTS				
TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING
100	FENCE LINE	0.000	7913528.836	560972.407
101	FENCE LINE	188.500	7913519.482	560955.090
102	FENCE LINE	0.001	7913500.154	560958.592
103	FENCE LINE	0.000	7913469.092	560986.862
104	FENCE LINE	0.001	7913459.323	560993.725
105	FENCE LINE	0.001	7913450.888	560996.156
106	FENCE LINE	0.001	7913435.779	560997.811
107	FENCE LINE	0.001	7913427.618	561001.290
108	FENCE LINE	0.000	7913423.505	561009.136

FENCE LAYOUT POINTS				
TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING
109	FENCE LINE	0.000	7913418.508	561029.533
110	FENCE LINE	189.754	7913417.550	561062.519
111	FENCE LINE -- MAN GATE	190.065	7913410.540	561091.136
112	FENCE LINE -- MAN GATE	190.065	7913410.303	561092.106
113	FENCE LINE	0.000	7913407.576	561103.237
114	FENCE LINE	0.000	7913399.434	561135.216
115	FENCE LINE	0.002	7913399.691	561141.157
116	FENCE LINE	0.000	7913402.851	561146.194
117	FENCE LINE	0.000	7913409.631	561152.119

FENCE LAYOUT POINTS				
TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING
118	FENCE LINE	0.000	7913417.063	561157.195
119	FENCE LINE	0.000	7913419.740	561158.549
120	FENCE LINE -- ACCESS GATE	0.000	7913422.647	561159.025
121	FENCE LINE -- ACCESS GATE	0.000	7913426.344	561164.840
122	FENCE LINE	0.000	7913427.957	561167.280
123	FENCE LINE	-0.001	7913432.372	561171.338
124	FENCE LINE	0.000	7913434.264	561173.668
125	FENCE LINE	0.000	7913435.982	561176.126
126	FENCE LINE	0.000	7913451.155	561198.459

FENCE LAYOUT POINTS				
TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING
127	FENCE LINE	0.000	7913459.345	561200.040
128	FENCE LINE	0.000	7913462.539	561195.158
129	FENCE LINE	0.000	7913463.816	561186.250
130	FENCE LINE -- MAN GATE	0.000	7913464.540	561183.323
131	FENCE LINE -- MAN GATE	0.000	7913464.683	561182.333
132	FENCE LINE	0.000	7913464.778	561179.541
133	FENCE LINE	0.000	7913471.591	561132.027
134	FENCE LINE	0.000	7913475.753	561111.453
135	FENCE LINE	0.000	7913482.042	561091.427

FENCE LAYOUT POINTS				
TARGET No.	FEATURE	ELEVATION	NORTHING	EASTING
136	FENCE LINE	0.000	7913494.780	561057.768
137	FENCE LINE	0.000	7913496.291	561055.176
138	FENCE LINE	0.000	7913510.128	561035.567
139	FENCE LINE	0.000	7913514.594	561027.772
140	FENCE LINE	0.000	7913517.465	561019.251
141	FENCE LINE	0.000	7913524.603	560990.113
142	FENCE LINE -- MAN GATE	0.000	7913525.551	560987.266
143	FENCE LINE -- MAN GATE	0.000	7913525.789	560986.295
144	FENCE LINE	0.000	7913526.079	560984.086

SCALE: 1:400
0m 10m 20m 30m

PERMIT TO PRACTICE
HATCH LTD.
Signature: *[Signature]*
Date: 19/02/01
PERMIT NUMBER: P-512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

H353004-10000-240-272-0003-0001	MINE SITE TANK FARM ENLARGED PIPING PLAN
H353004-10000-220-260-0002-0001	MINE SITE TANK FARM DYKE MISCELLANEOUS DETAILS
H353004-10000-220-260-0003-0001	MINE SITE TANK FARM DYKE ACCESS STAIRS
H353004-10000-240-270-0001-0001	MINE SITE 15,000,000L ARCTIC DIESEL TANK TK-005
H353004-10000-240-270-0002-0001	MINE SITE 15,000,000L ARCTIC DIESEL TANK TK-006
H353004-10000-220-272-0009-0001	MINE SITE TANK FARM GRADING PLAN
H353004-10000-220-273-0001-0001	MINE SITE TANK FARM DYKE SECTIONS A TO D
H353004-10000-220-273-0002-0001	MINE SITE TANK FARM DYKE SECTIONS E & F
H353004-10000-220-273-0003-0001	MINE SITE TANK FARM DYKE SECTION G & H
H353004-10000-260-272-0005-0001	MINE SITE TANK FARM ELECTRICAL GENERAL ARRANGEMENT
H353004-10000-260-272-0007-0001	MINE SITE TANK FARM GROUNDING PLAN
DRAWING No.	DRAWING TITLE



REG. PROFESSIONAL

No.	DESCRIPTION	BY	CHK'D	DATE
2	ADDITIONAL STORAGE TANK TK-006 AND PIPING ADDED	SJM	MMI	19/02/01
1	DYKE LAYOUT, FENCING REVISED & ACCESS STAIR CALLOUT BUBBLE REVISED	HPC	MMI	19-01-18
0	ISSUED FOR CONSTRUCTION	HPC	MMI	18-07-25

THIS DRAWING WAS PREPARED BY HATCH LTD. (HATCH) FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP (CLIENT) AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY FEE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, REINSTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING, AND THE INFORMATION CONTAINED HEREIN, SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE MODIFIED WITHOUT THE WRITTEN CONSENT OF HATCH.

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	H. P. CURRIE		18-07-06
DESIGNER	K. MacLEAN		18-07-06
CHECKER	M. MacINTYRE	<i>Michael MacIntyre</i>	19/02/01
DESIGN COORD.	M. MacINTYRE	<i>Michael MacIntyre</i>	19/02/01
RESP. ENG.	F. BUTTS	<i>F. Butts</i>	19/02/01
LEAD DISC. ENG.	K. MacLEAN	<i>K. MacLean</i>	19/02/01
ENG. MANAGER	G. PEACE	<i>G. Peace</i>	19/02/01
AREA MANAGER	H. VENTER	<i>H. Venter</i>	19/02/15
CLIENT	T. ATIBA	<i>T. Atiba</i>	19/02/15

DRAWING APPROVAL STATUS: Approved for Construction

MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

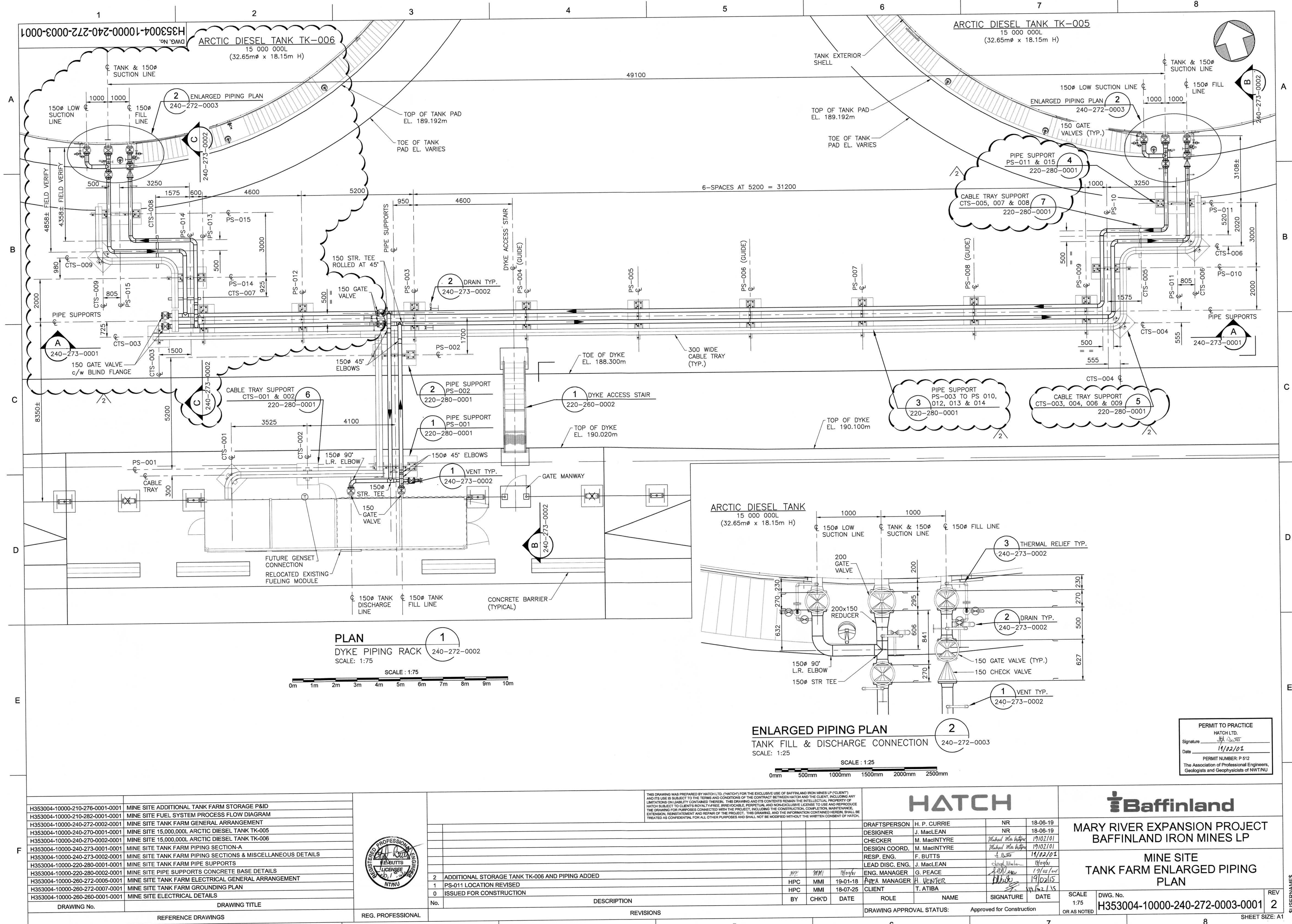
MINE SITE
TANK FARM
GENERAL ARRANGEMENT

SCALE: 1:400 OR AS NOTED

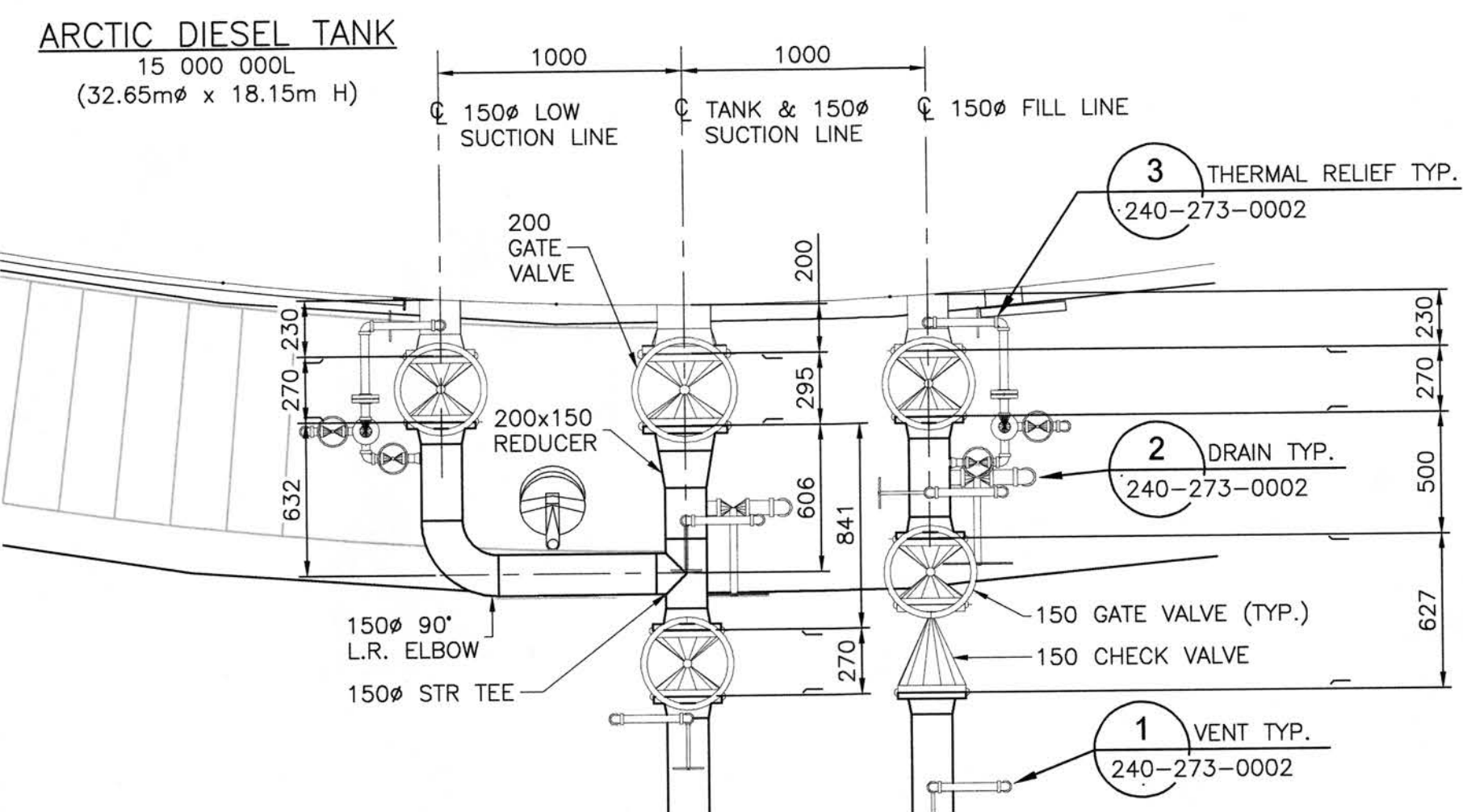
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REV 2

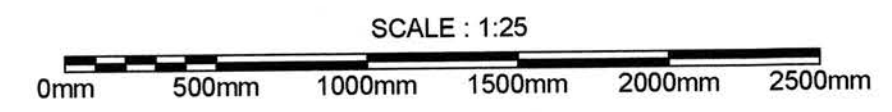
SHEET SIZE: A1



PLAN
DYKE PIPING RACK
SCALE: 1:75



ENLARGED PIPING PLAN
TANK FILL & DISCHARGE CONNECTION
SCALE: 1:25



PERMIT TO PRACTICE
HATCH LTD.
Signature: [Signature]
Date: 11/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWTNU

DRAWING No.	DRAWING TITLE
H353004-10000-210-276-0001-0001	MINE SITE ADDITIONAL TANK FARM STORAGE P&ID
H353004-10000-210-282-0001-0001	MINE SITE FUEL SYSTEM PROCESS FLOW DIAGRAM
H353004-10000-240-272-0002-0001	MINE SITE TANK FARM GENERAL ARRANGEMENT
H353004-10000-240-270-0001-0001	MINE SITE 15,000,000L ARCTIC DIESEL TANK TK-005
H353004-10000-240-270-0002-0001	MINE SITE 15,000,000L ARCTIC DIESEL TANK TK-006
H353004-10000-240-273-0001-0001	MINE SITE TANK FARM PIPING SECTION-A
H353004-10000-240-273-0002-0001	MINE SITE TANK FARM PIPING SECTIONS & MISCELLANEOUS DETAILS
H353004-10000-220-280-0001-0001	MINE SITE TANK FARM PIPE SUPPORTS
H353004-10000-220-280-0002-0001	MINE SITE PIPE SUPPORTS CONCRETE BASE DETAILS
H353004-10000-260-272-0005-0001	MINE SITE TANK FARM ELECTRICAL GENERAL ARRANGEMENT
H353004-10000-260-272-0007-0001	MINE SITE TANK FARM GROUNDING PLAN
H353004-10000-260-260-0001-0001	MINE SITE ELECTRICAL DETAILS



No.	DESCRIPTION	BY	CHK'D	DATE
2	ADDITIONAL STORAGE TANK TK-006 AND PIPING ADDED	MMI	MMI	11/02/01
1	PS-011 LOCATION REVISED	HPG	MMI	19-01-18
0	ISSUED FOR CONSTRUCTION	HPG	MMI	18-07-25

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	H. P. CURRIE		18-06-19
DESIGNER	J. MacLEAN		18-06-19
CHECKER	M. MacINTYRE	Michael MacIntyre	19/02/01
DESIGN COORD.	M. MacINTYRE	Michael MacIntyre	19/02/01
RESP. ENG.	F. BUTTS	F. Butts	11/02/01
LEAD DISC. ENG.	J. MacLEAN	J. MacLean	11/02/01
ENG. MANAGER	G. PEACE	G. Peace	19/01/01
AREA MANAGER	H. VENTER	H. Venter	19/02/01
CLIENT	T. ATIBA		11/02/01

MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

MINE SITE
TANK FARM ENLARGED PIPING
PLAN

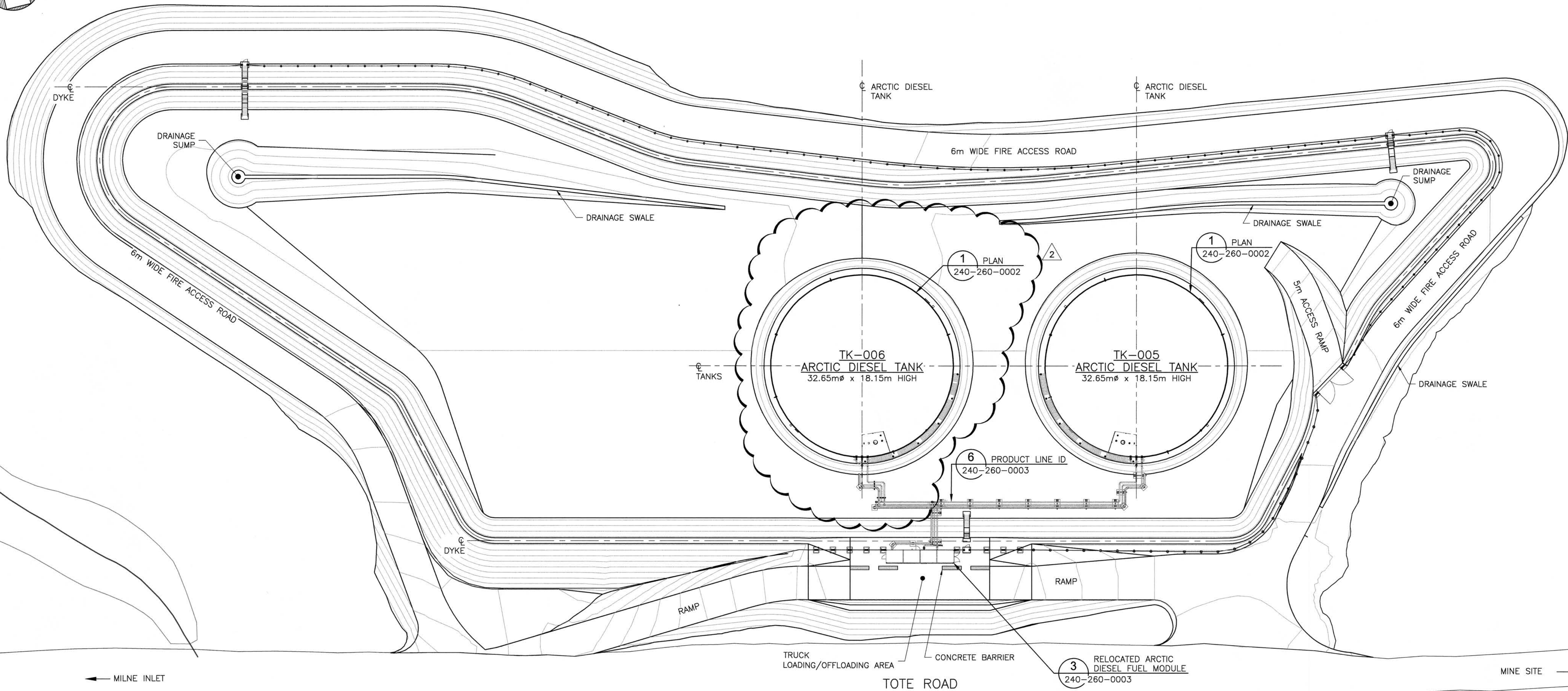
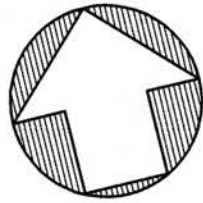
SCALE: 1:75
OR AS NOTED

DWG. No.
H353004-10000-240-272-0003-0001

REV
2

SHEET SIZE: A1

SUSANNAH STILES



PLAN
TANK FARM
SCALE: 1:400

PERMIT TO PRACTICE
HATCH LTD.
Signature: *[Signature]*
Date: 14/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU

DRAWING No.	DRAWING TITLE
H353004-10000-240-272-0002-0001	MINE SITE TANK FARM GENERAL ARRANGEMENT
H353004-10000-240-270-0001-0001	MINE SITE 15,000,000L ARCTIC DIESEL TANK TK-005
H353004-10000-240-270-0002-0001	MINE SITE 15,000,000L ARCTIC DIESEL TANK TK-006
H353004-10000-240-260-0003-0001	MINE SITE TANK FARM MODULE & PIPING SIGNAGE
H353004-10000-240-260-0002-0001	MINE SITE TANK FARM TK-05 ARCTIC DIESEL TANK SIGNAGE



REG. PROFESSIONAL

No.	DESCRIPTION	BY	CHK'D	DATE
2	ADDITIONAL TANK TK-006 ADDED	SJM	MMI	19/01/01
1	DYKE AND ACCESS ROAD REVISED	BM	MMI	19-01-18
0	ISSUED FOR CONSTRUCTION	SJM	MMI	18-07-25

THIS DRAWING WAS PREPARED BY HATCH LTD. ("HATCH") FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP ("CLIENT") AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY-FREE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, REINSTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING AND THE INFORMATION CONTAINED HEREIN SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE MODIFIED WITHOUT THE WRITTEN CONSENT OF HATCH.

HATCH

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	S. J. McNEIL		NR 18-07-05
DESIGNER	K. MacLEAN		NR 18-07-05
CHECKER	M. MacINTYRE	<i>Michael MacIntyre</i>	19/02/01
DESIGN COORD.	M. MacINTYRE	<i>Michael MacIntyre</i>	19/02/01
RESP. ENG.	F. BUTTS	<i>F. Butts</i>	19/02/01
LEAD DISC. ENG.	F. BUTTS	<i>F. Butts</i>	19/02/01
ENG. MANAGER	G. PEACE	<i>G. Peace</i>	19/02/01
AREA MANAGER	H. VENTER	<i>H. Venter</i>	19/02/01
CLIENT	T. ATIBA		19/02/01

DRAWING APPROVAL STATUS:

Approved for Construction

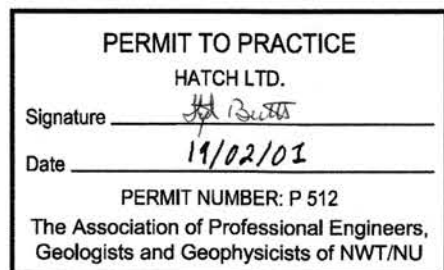
Baffinland

MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

MINE SITE
TANK FARM
SITE SIGNAGE

SCALE: 1:400
OR AS NOTED
DWG. No. H353004-10000-240-272-0004-0001
REV 2

SHEET SIZE: A1



HATCH



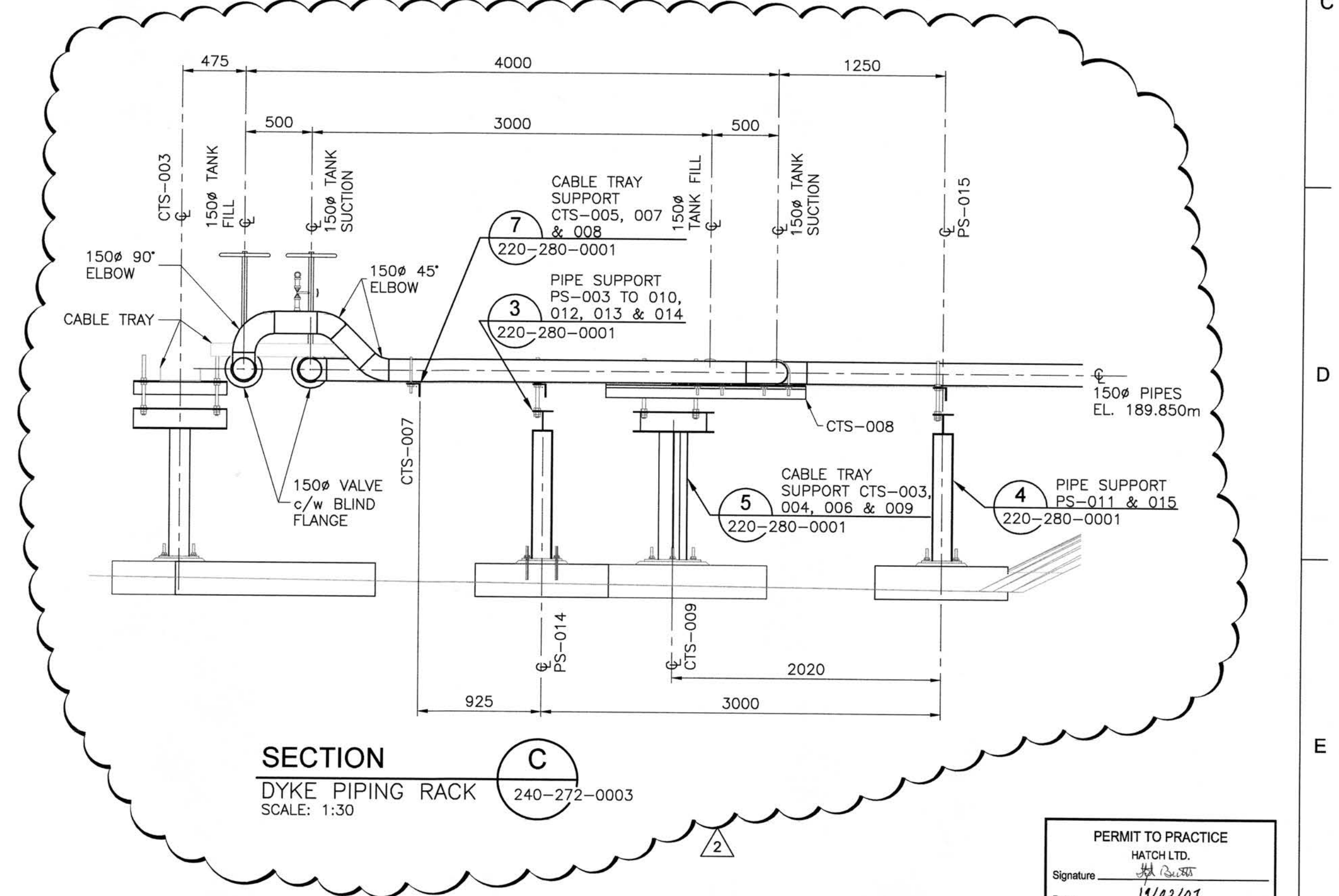
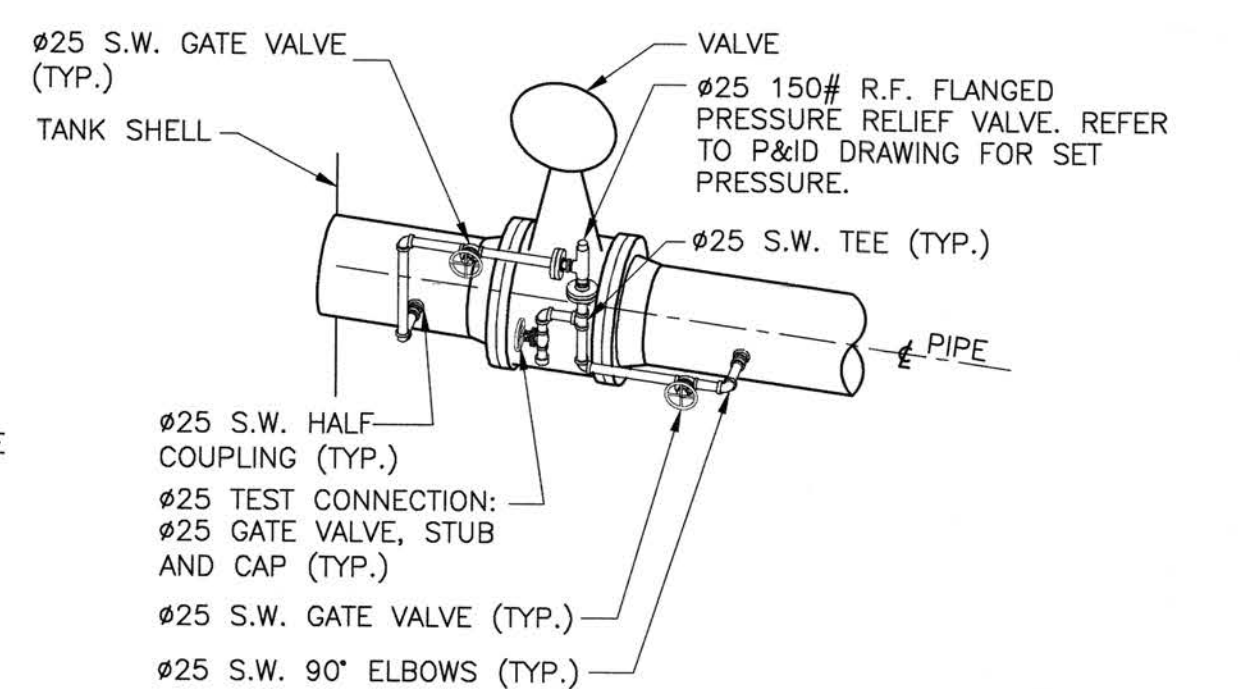
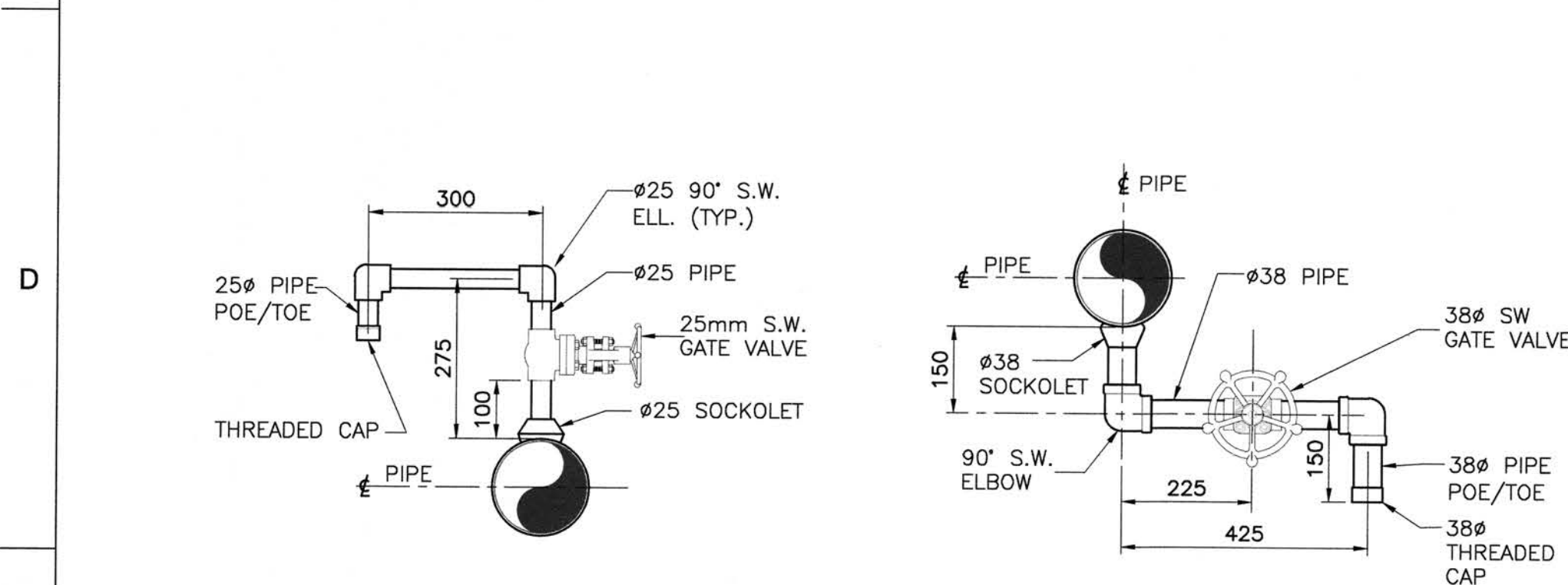
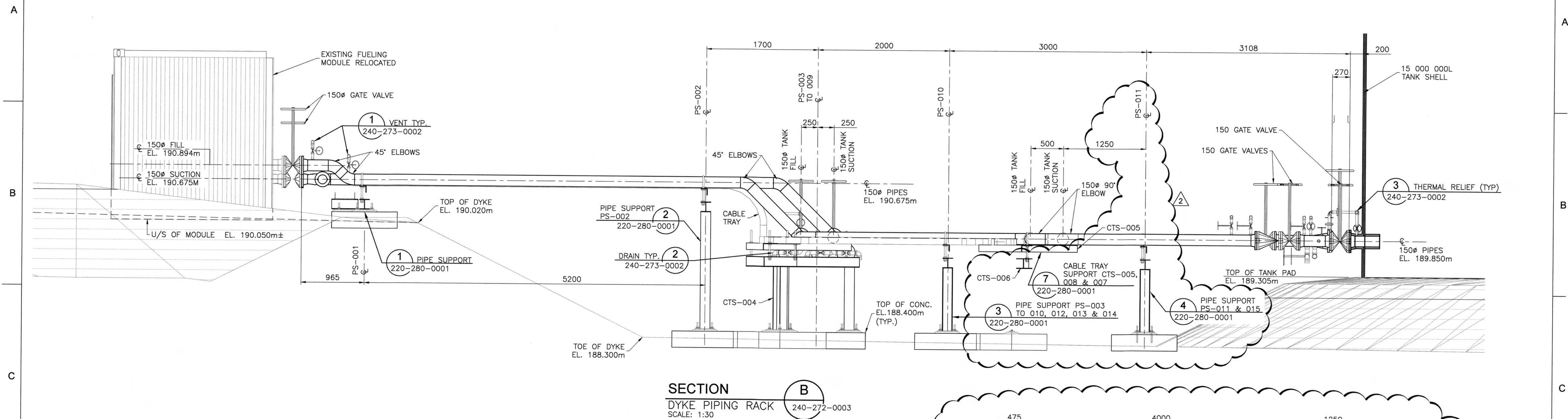
MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

MINE SITE
TANK FARM PIPING
SECTION-A

REG. PROFESSIONAL

			
DRAFTSPERSON	H. P. CURRIE	NR	18-06-19
DESIGNER	J. MacLEAN	NR	18-06-19
CHECKER	M. MacINTYRE	<i>Michael MacIntyre</i>	19/02/01
DESIGN COORD.	M. MacINTYRE	<i>Michael MacIntyre</i>	19/02/01
RESP. ENG.	F. BUTTS	<i>F. Butts</i>	11/02/02
LEAD DISC. ENG.	J. MacLEAN	<i>John MacLean</i>	19/03/01
ENG. MANAGER	G. PEACE	<i>G. Peace</i>	19/05/04
AREA MANAGER	H. VENTER	<i>H. Venter</i>	19/02/15
CLIENT	T. ATIBA	<i>T. Atiba</i>	16/03/15
ROLE	NAME	SIGNATURE	DATE
DRAWING APPROVAL STATUS:		Approved for Construction	

SCALE 1:30 OR AS NOTED	DWG. No. H353004-10000-240-273-0001-0001	REV 1
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DETAIL

TYPICAL VENT

SCALE: 1:10

1

240-272-0003, 240-273-0001

1

240-272-0003,

DETAIL

TYPICAL DRAIN

SCALE: 1:10

2
240-272-0003, 240-273-0001

2
240-272-0003

DETAIL

TYPICAL THERMAL RELIEF

SCALE: 1:10

3
240-272-0003, 240-273-0001

3
240-272-0003,

NOTE:

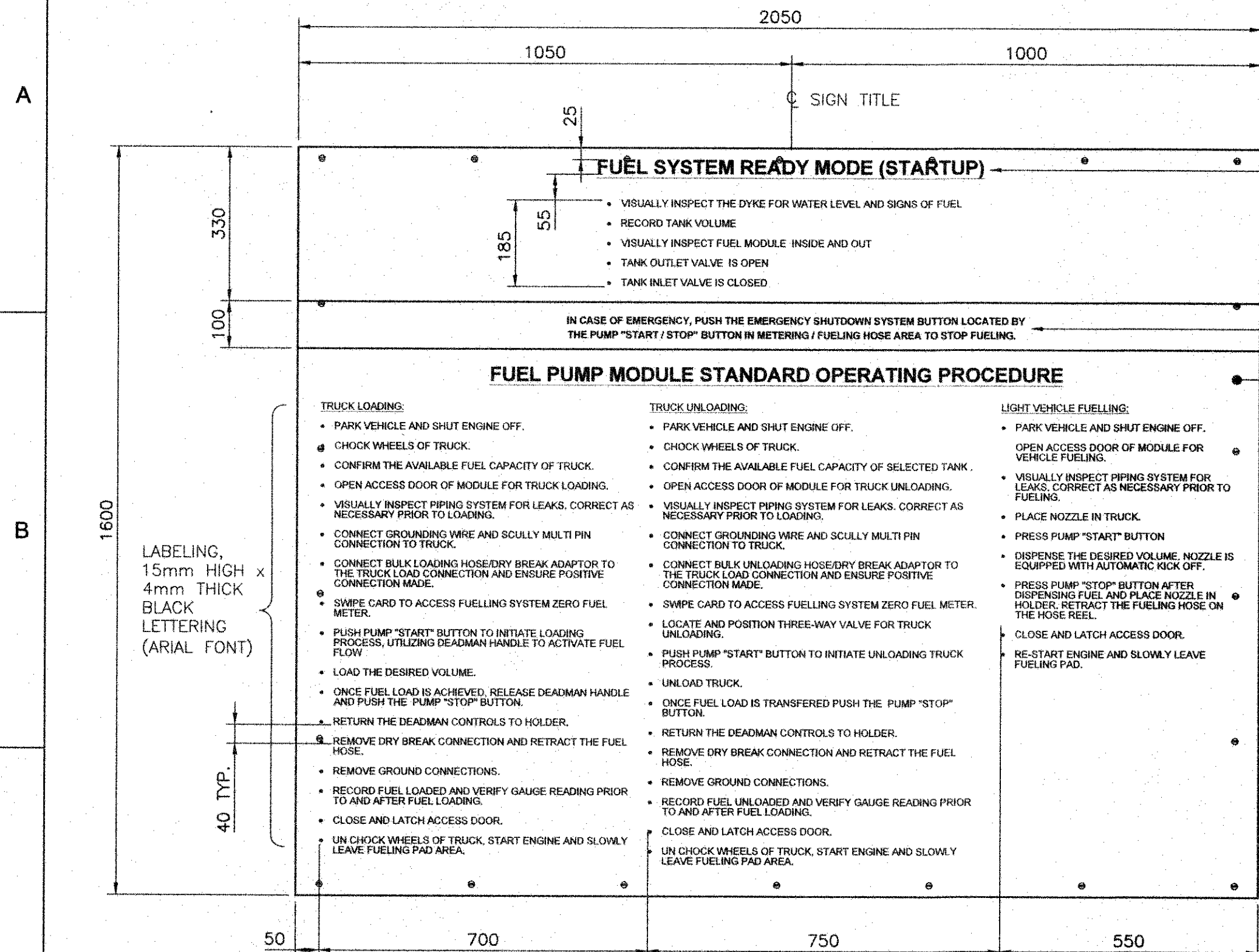
1. ALL VENT AND DRAIN PIPING TO BE SCH. 80 CARBON STEEL IN COMPLIANCE WITH PIPE SPECIFICATIONS. ALL FITTINGS TO BE CLASS 3000# S.W. ALL VALVES TO BE CLASS 800# S.W.

NOTE:

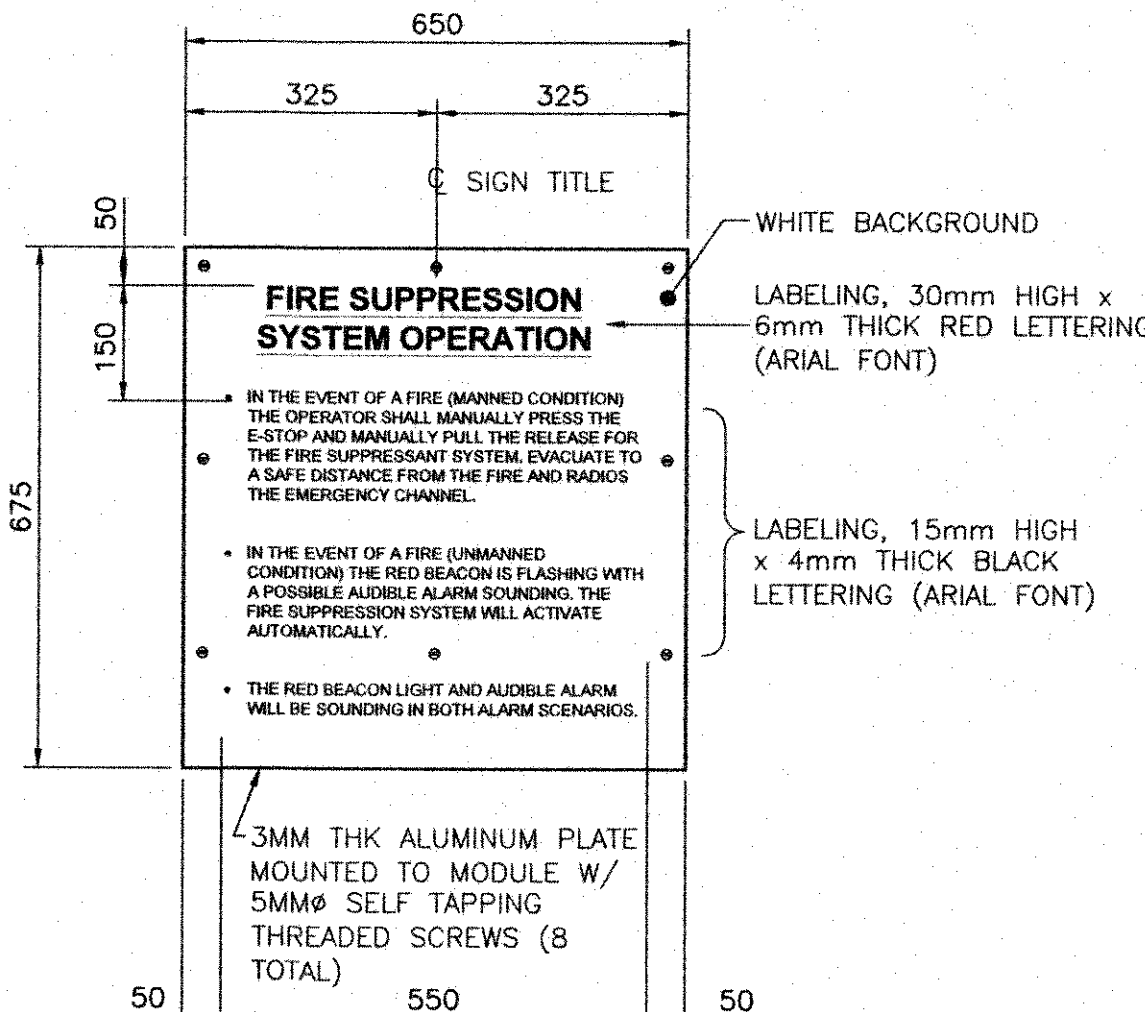
1. ALL PRESSURE RELIEF PIPING TO BE SCH. 80 CARBON STEEL IN COMPLIANCE WITH PIPE SPECIFICATIONS. ALL FITTINGS TO BE CLASS 3000# S.W. ALL VALVES TO BE CLASS 800# S.W.

PERMIT TO PRACTICE
HATCH LTD.
Signature *[Signature]*
Date 19/02/01
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU

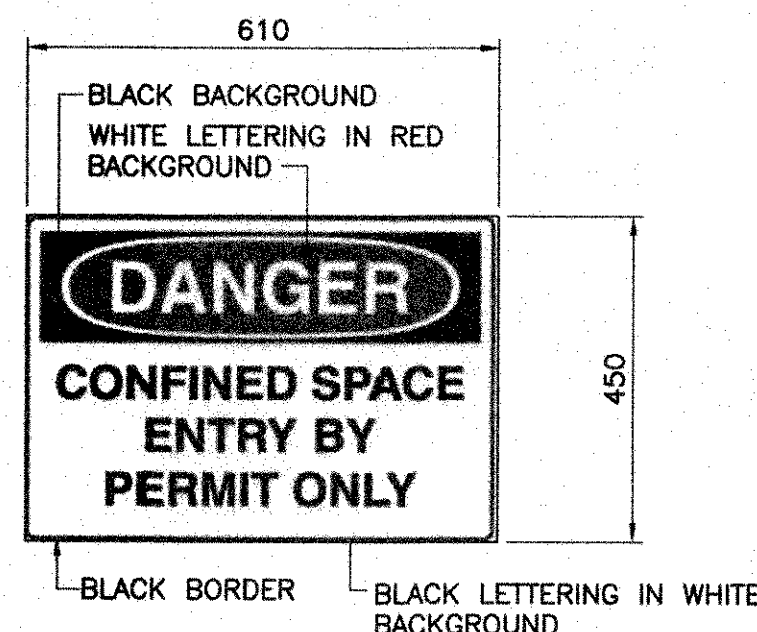
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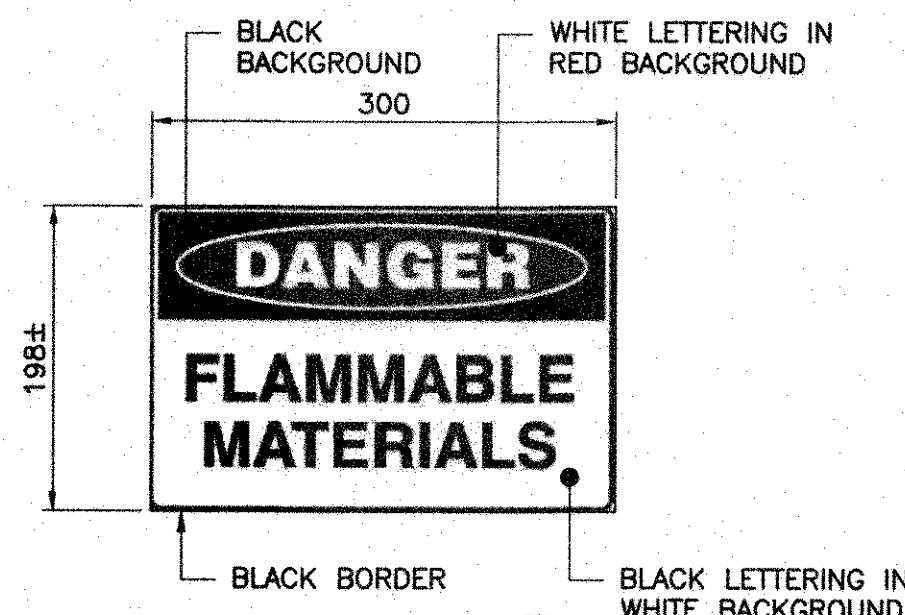
DETAIL 1
FUEL PUMP MODULE STANDARD OPERATING PROCEDURE SIGN
SCALE: 1:10
240-260-0003



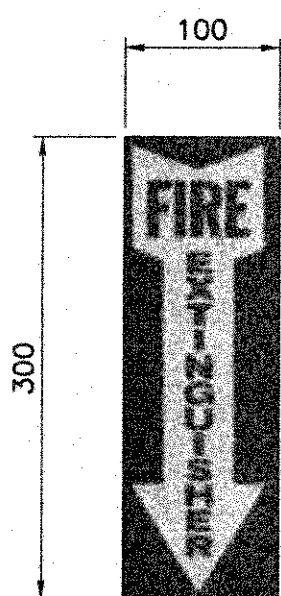
DETAIL 2
SYSTEM FIRE PROCEDURE SIGN - FUELING MODULE
SCALE: 1:10
240-260-0003



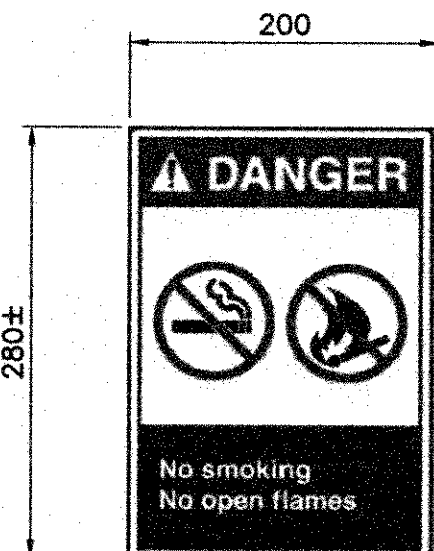
DETAIL 3
CONFINED SPACE ENTRY SIGN
(2 REQUIRED - 1 PER TANK MAN WAY)
SCALE: 1:10
240-260-0002



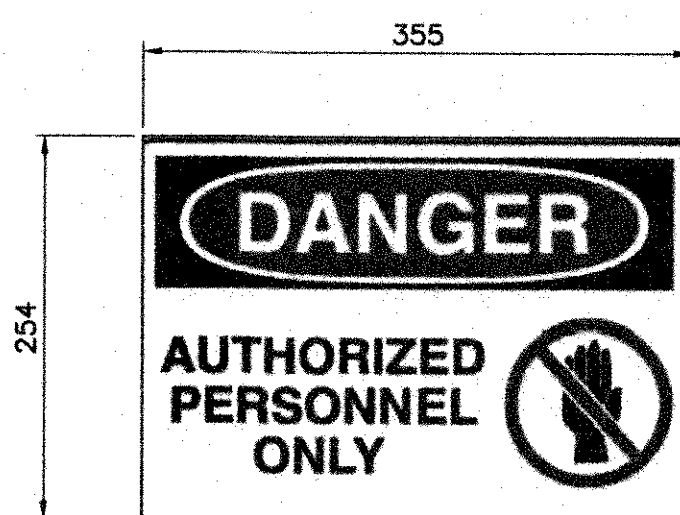
DETAIL 4
FLAMMABLE STORAGE SIGN
(4 REQUIRED)
SCALE: 1:5
240-260-0002



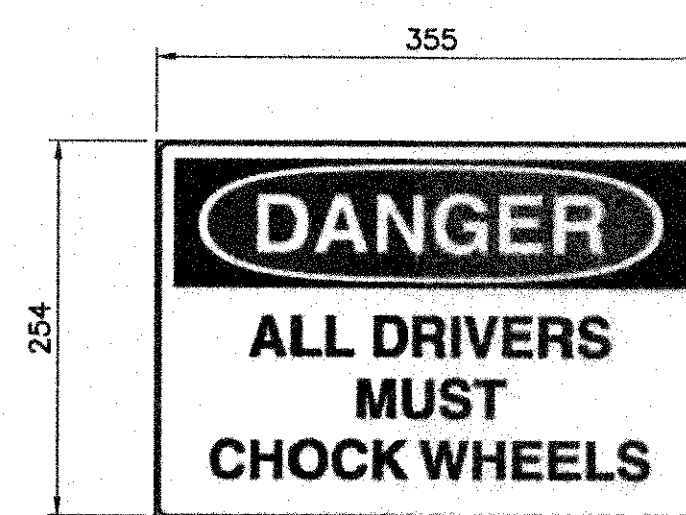
DETAIL 5
FIRE EXTINGUISHER SIGN
SCALE: 1:5
240-260-0003



DETAIL 6
NO SMOKING OR OPEN FLAME SIGN
SCALE: 1:5
240-260-0002



DETAIL 7
AUTHORIZED PERSONNEL SIGN
SCALE: 1:5
240-260-0002



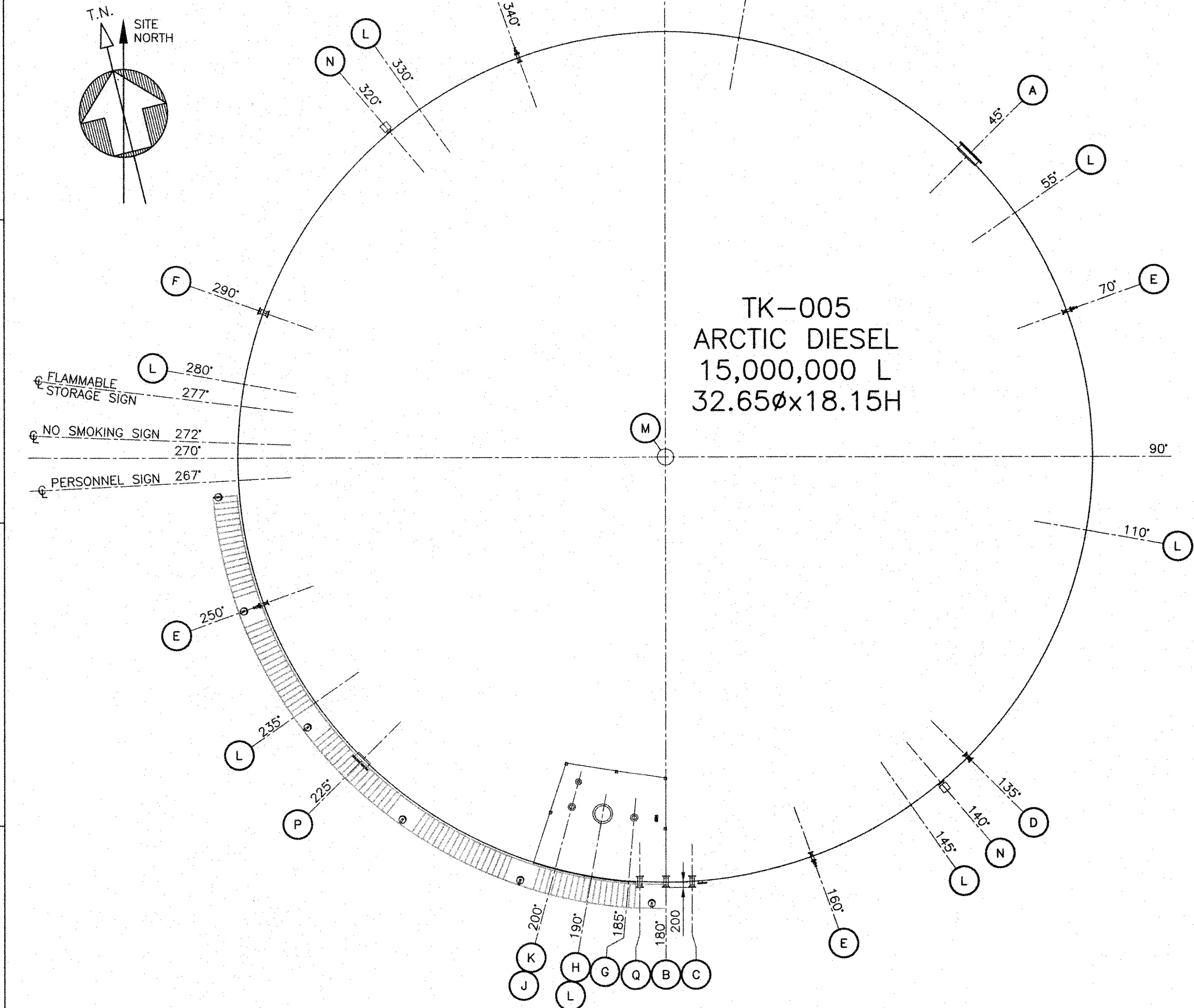
DETAIL 8
CHOCK WHEELS SIGN
SCALE: 1:5
240-260-0003

SPECIFICATION AND INSTALLATION NOTES:

- SIGNS ARE TO BE CONSTRUCTED OF PERMANENT 4 MIL SELF-STICK VINYL FOR ADHESION TO EXISTING PIPING AND EQUIPMENT.
- ALL EQUIPMENT AND PRODUCT IDENTIFICATIONS TO BE FIELD LOCATED UNLESS OTHERWISE NOTED.
- MARKINGS SHALL BE LOCATED SO THEY CAN BE EASILY READ AND UNOBSTRUCTED BY EQUIPMENT, ACCESS STAIRS & PLATFORMS, RELIEF PIPING, ETC.
- MARKINGS SHALL BE VISIBLE FROM THE POINT OF NORMAL APPROACH.
- PIPE MARKINGS SHALL BE PLACED NEAR VALVES, PRODUCT LINE DESIGNATIONS AND CHANGES IN PIPE DIRECTION AND AT SPACING AS INDICATED.
- ALL PRODUCT IDENTIFICATION LETTERING AND LABELS SHALL BE VINYL STICK-ON.
- SAMPLE LETTERING/LABELS SHALL BE PROVIDED FOR OWNER REVIEW/APPROVAL.
- REFERENCE CODES FOR VALVE TAG SHAPES AND COLOR CODING AS PER PETROLEUM PRODUCTS DISTRIBUTION SYSTEMS 151930:
 - NATIONAL FIRE CODE OF CANADA 2010.
 - CPPI RECOMMENDED PRACTICE 2009.
- ALL IDENTIFYING LETTERS SHALL BE UPPER CASE ARIAL FONT OR SIMILAR.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

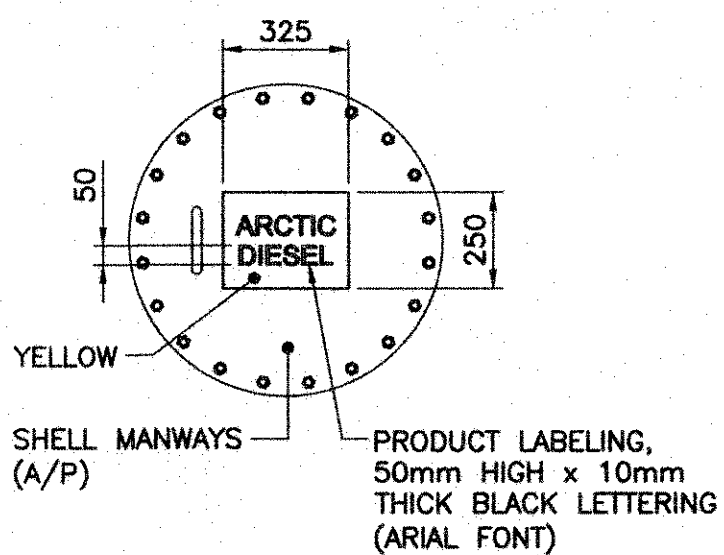
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A
B
C
D
E
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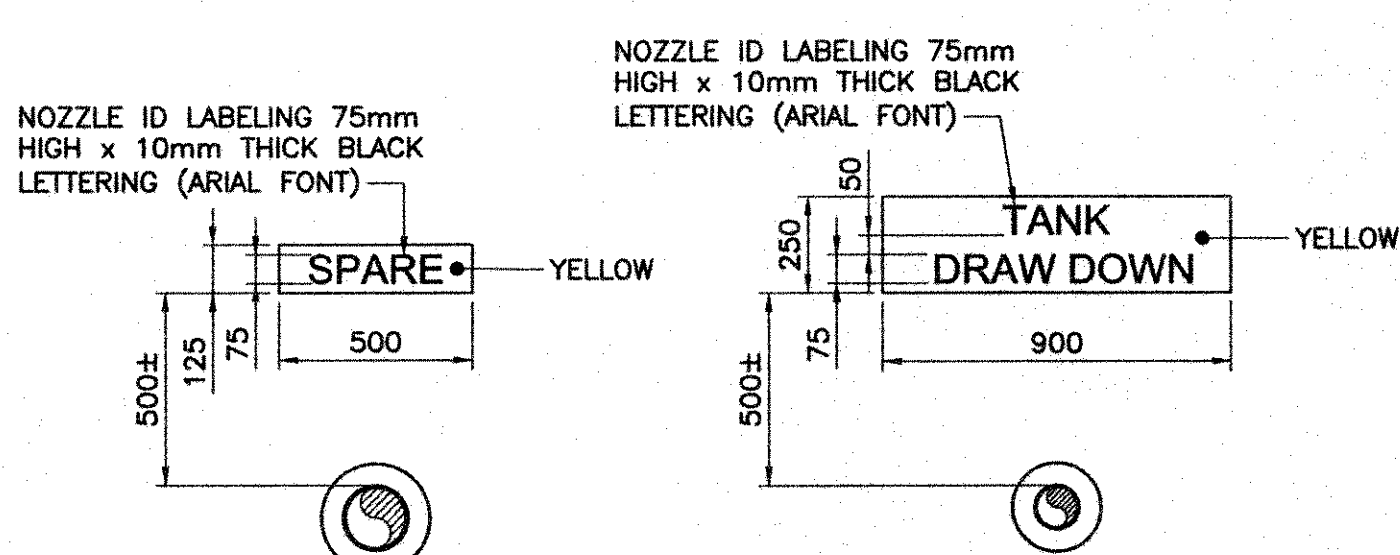


PLAN
TANK ORIENTATION
SCALE: 1:125

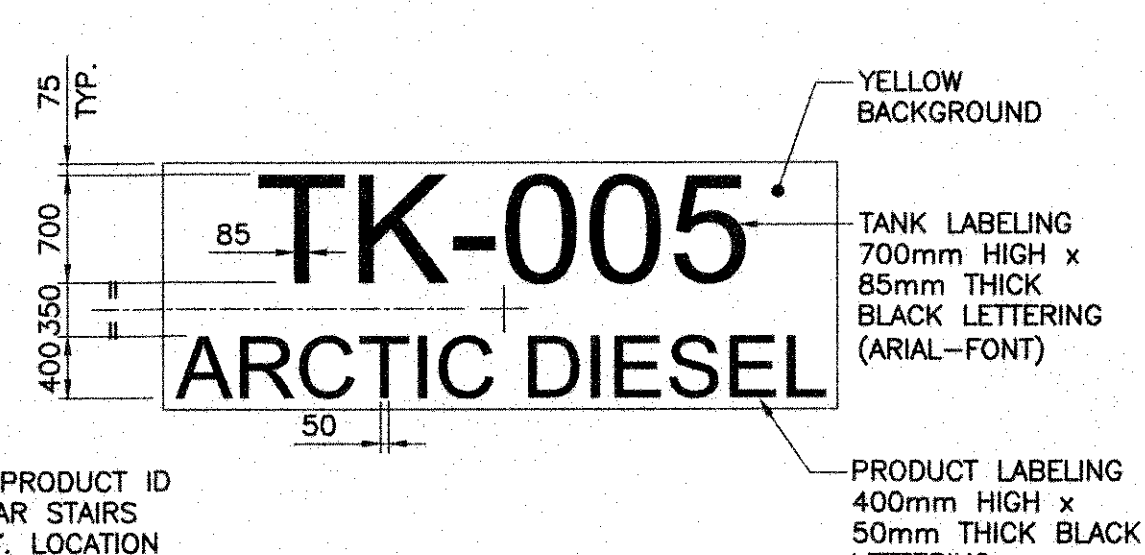
TANK NOZZLE IDENTIFICATION CHART				
IDENTIFICATION LABEL	NOZZLE LOCATION	TEXT SIZE (MM)	TEXT COLOR	APPURTENANCE ITEM
MANWAY	SHELL	75x10	YELLOW	A/P
TANK SUCTION	SHELL	75x10	YELLOW	B
TANK FILL	SHELL	75x10	YELLOW	C
SPARE	SHELL	75x10	YELLOW	D
WATER DRAIN	SHELL	75x10	YELLOW	E
SPARE	SHELL	75x10	YELLOW	F
GAUGE HATCH	ROOF	75x10	YELLOW	G
MANWAY	ROOF	75x10	YELLOW	H
RADAR GAUGE	ROOF	75x10	YELLOW	J
OVERFILL PROBE	ROOF	75x10	YELLOW	K
ROOF VENT	ROOF	75x10	YELLOW	M
FOAM CONNECTION	SHELL	75x10	YELLOW	N
TANK DRAW DOWN	SHELL	75x10	YELLOW	Q



DETAIL
PRODUCT ID LABEL
SCALE: 1:20

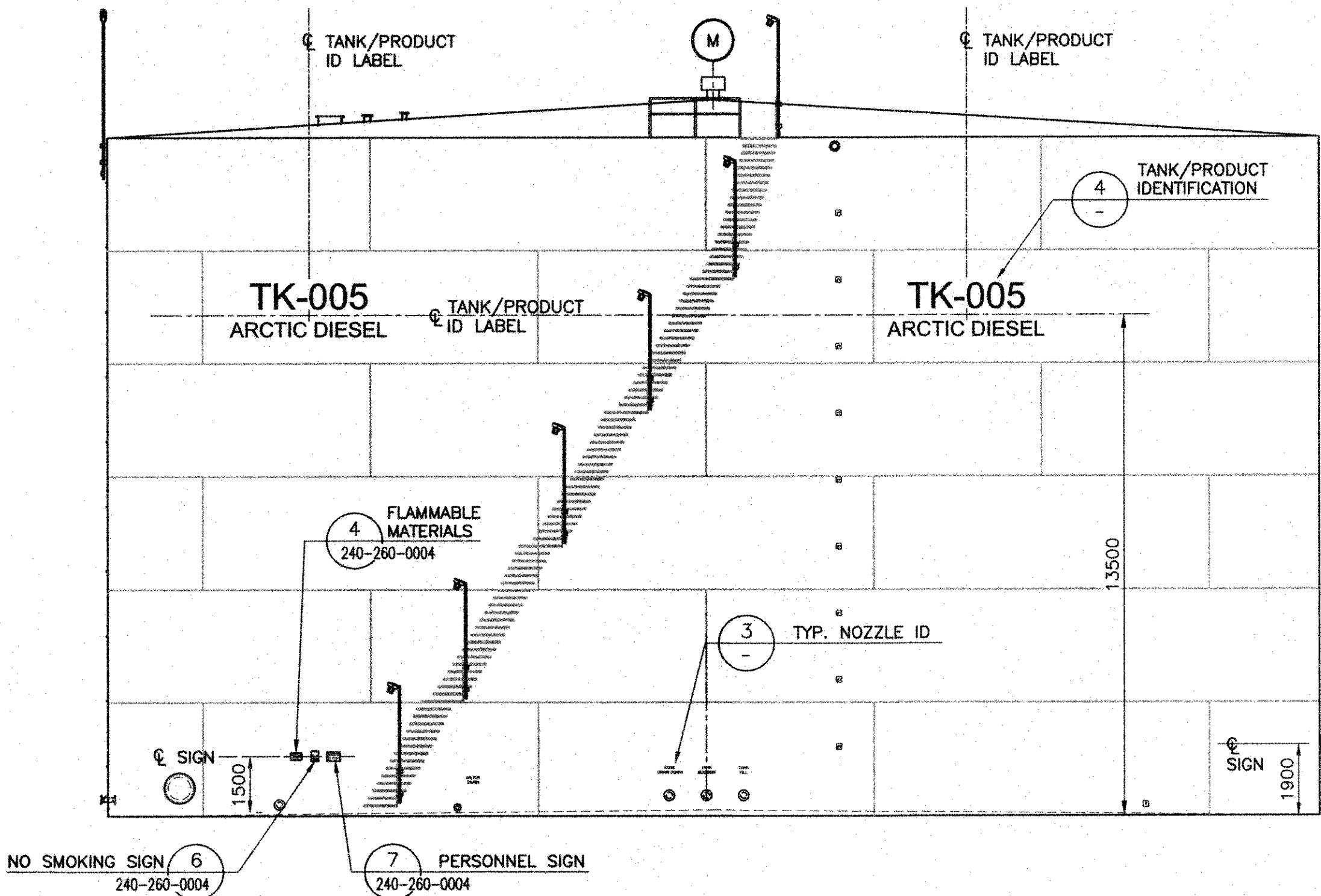


DETAIL
TYP. NOZZLE ID
SCALE: 1:20



NOTE:
ADJUST TANK/PRODUCT ID LABEL TO CLEAR STAIRS AS NECESSARY. LOCATION TO BE VERIFIED BY OWNER.

DETAIL
TANK/PRODUCT ID
SCALE: 1:50



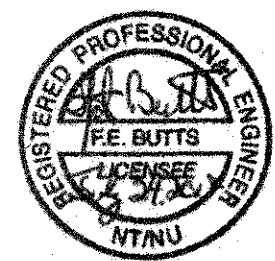
ELEVATION
TANK ORIENTATION
SCALE: 1:125

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - FOR TANK APPURTENANCES SEE DRAWING H353004-10000-240-270-0001-0001.

H353004-10000-240-272-0004-0001	MINE SITE TANK FARM SITE SIGNAGE
H353004-10000-240-270-0001-0001	MINE SITE FUEL SYSTEM 15,000,000L DIESEL STORAGE TANK
H353004-10000-240-260-0004-0001	MINE SITE TANK FARM OPERATING PROCEDURES SIGNAGE

DRAWING No.	DRAWING TITLE
-------------	---------------

REFERENCE DRAWINGS



REG. PROFESSIONAL

ISSUED FOR CONSTRUCTION

0	ISSUED FOR CONSTRUCTION	SJM	MMI	18/07/25
A	ISSUED FOR PARALLEL REVIEW	SJM	MMI	18-07-20

No.	DESCRIPTION	BY	CHK'D	DATE
-----	-------------	----	-------	------

REVISIONS

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DRAFTSPERSON	S. J. McNEIL	NR	18-07-04
DESIGNER	K. MacLEAN	NR	18-07-04
CHECKER	M. MacINTYRE	18/07/25	18/07/25
DESIGN COORD.	M. MacINTYRE	18/07/25	18/07/25
RESP. ENG.	F. BUTTS	18/07/25	18/07/25
LEAD DISC. ENG.	F. BUTTS	18/07/25	18/07/25
ENG. MANAGER	D. STANGER	18/07/25	18/07/25
PROJ. MANAGER	T. ATIBA	18/07/25	18/07/25
CLIENT	T. ATIBA	18/07/25	18/07/25
ROLE	NAME	SIGNATURE	DATE

DRAWING APPROVAL STATUS: Approved for Construction

Baffinland

MARY RIVER EXPANSION PROJECT
BAFFINLAND IRON MINES LP

MINE SITE
TANK FARM
TK-005 ARCTIC DIESEL TANK SIGNAGE

SCALE	DWG. No.	REV
AS NOTED OR AS NOTED	H353004-10000-240-260-0002-0001	0

SHEET SIZE: A1