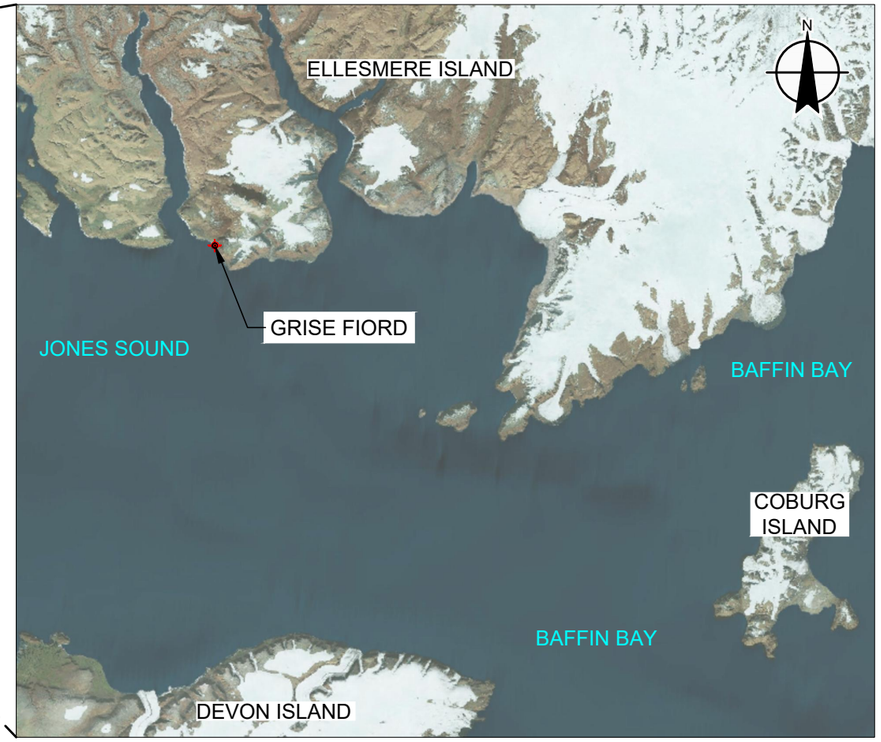
Source: www.Freeworldmaps.net.



Sources: Bing Imagery; © 2022 Microsoft Corporation , Earthstar Geographics SIO, 2022.

DRAWING No.	DRAWING TITLE
G-100	COVER SHEET
G-110	GENERAL SITE PLAN
G-120	TANK #3 REPAIR - GENERAL CONSTRUCTION NOTES
C-001	TANK #3 REPAIR - GEOTECHNICAL NOTES
C-110	TANK #3 FLOOR SURVEY AND EXISTING CONDITIONS, PLAN AND CROSS-SECTION
C-120	TANK #3 FLOOR CROSS-SECTION - PROPOSED REPAIRS
S-001	TANK #3 REPAIR - STRUCTURAL NOTES
S-100	EXISTING LAYOUT PLAN AND SECTION
S-101	PROPOSED LAYOUT PLAN AND SECTION
S-200	PARTIAL INTERIOR ELEVATION
S-300	PVC LINER DETAILS
S-400	MANWAY DETAILS
S-500	ACCESS PLATFORM AND LADDERS
S-600	TEMPORARY CONSTRUCTION OPENING DETAILS
S-601	TEMPORARY CONSTRUCTION OPENING DETAILS
S-700	COLUMN AND BASE FRAME DETAILS
S-800	200Ø PIPE SPOOL DETAILS
S-801	75Ø PIPE SPOOL DETAILS

LEGEND:

ISSUED FOR CONSTRUCTION
2022-06-09

CLIENT:
Building Nunavut Together
GOVERNMENT OF NUNAVUT

wood.

PROJECT:
GRISE FIORD
WATER STORAGE TANK #3 REPAIRS

TITLE:
COVER SHEET

DWN BY:	DSGN'D BY:	CHK'D BY:	CHK'D (LEAD):
DM	-	-	JD

DATUM:	SCALE:
NAD83 (CSRS)	-

PROJECTION: UTM ZONE 17 NORTH

PROJECT NO:	REV. NO:
TE213032	0

REV. DATE:	FIGURE NO:
2022/06/09	G-100

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GRANULAR STOCKPILES

AIRPORT

AIRPORT CREEK

REFILL POND

TANK #3

JONES SOUND

JONES SOUND

LEGEND:

- ROAD
- BRIDGE
- TRAIL
- STRUCTURE/ BUILDING
- CULVERT
- STREAM
- WATERBODY
- PIPELINE
- EASEMENT
- POWERPOLE

SOURCE: Government of Nunavut (Community and Government Services).

ISSUED FOR CONSTRUCTION
2022-06-09

0m 50 100 150 200

1 : 5000

CLIENT:

Government of Nunavut — Building Nunavut Together — GOVERNMENT OF NUNAVUT

wood.

PROJECT:

GRISE FIORD
WATER STORAGE TANK #3 REPAIRS

TITLE:

GENERAL SITE PLAN

DWN BY:	DSGN'D BY:	CHK'D BY:	CHK'D (LEAD):
DM	-	-	JD

DATUM:	SCALE:
NAD83 (CSRS)	1:3000

PROJECTION: UTM ZONE 17 NORTH

PROJECT NO:	REV. NO:
TE213032	0

REV. DATE:	FIGURE NO:
2022/06/09	G-110

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TANK #3 - GENERAL CONSTRUCTION NOTES

GENERAL WORK REQUIREMENTS

1. THE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOUR AND EQUIPMENT NECESSARY FOR THE PROPER EXECUTION OF THE WORKS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND TECHNICAL SPECIFICATIONS DETAILED BELOW, UNLESS SPECIFICALLY NOTED OTHERWISE.
2. THE CONSTRUCTION SHALL NOT INTERFERE WITH AIRPORT OPERATIONS. THE CONTRACTOR WILL COORDINATE WITH THE AIRPORT AUTHORITY WITH RESPECT TO WORK LIMITATIONS DUE TO INCOMING/OUTGOING FLIGHTS AS NECESSARY.
3. THE CONTRACTOR SHALL WORK WITH THE MUNICIPALITY TO MAINTAIN ACCESS THROUGH THE CONSTRUCTION AREA AT TANK #3 AND WILL BE RESPONSIBLE FOR MAINTAINING EXISTING ROADS AFFECTED BY THE CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR WILL TAKE PRECAUTIONARY MEASURES TO SAFEGUARD EXISTING FACILITIES FROM BEING DAMAGED AS A RESULT OF HIS CONSTRUCTION CONDITIONS AND ACTIVITIES.
5. THE CONTRACTOR WILL PROTECT EXISTING EXTERIOR PIPING , PIPE BERMS AND THERMISTOR INSTALLATIONS FROM DAMAGE FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. ANY DAMAGE MUST BE REPORTED TO THE MUNICIPALITY IMMEDIATELY.
6. THE CONTRACTOR WILL PREPARE LAYDOWN AREA AS REQUIRED, IN CONSULTATION WITH THE MUNICIPALITY.
7. THE CONTRACTOR WILL PREPARE AND SUBMIT A WORK PLAN FOR REVIEW AND APPROVAL BY THE OWNER. THE WORK PLAN WILL OUTLINE THE TASKS AND SEQUENCE IN WHICH THE TASKS WILL BE EXECUTED.

HEALTH AND SAFETY

1. THE CONTRACTOR SHALL MEET WITH THE HAMLET FIRE AUTHORITY TO KEEP THEM INFORMED OF ALL ACTIVITIES. THE CONTRACTOR WILL CARRY NECESSARY FIRE PROTECTION EQUIPMENT AND COMPLY WITH APPLICABLE FIRE PREVENTION REGULATIONS.
2. THE CONTRACTOR SHALL SUBMIT FOR OWNER'S REVIEW AND APPROVAL A CONSTRUCTION HEALTH AND SAFETY PLAN.
3. THE CONTRACTOR SHALL PREPARE AND EXECUTE CONFINED SPACE ENTRY AND RESCUE PLANS FOR WHENEVER WORK IS REQUIRED TO BE CARRIED OUT INSIDE TANK #3 FOR ALL PERSONNEL WORKING ON THE PROJECT.
4. ALL PERSONS WORKING INSIDE THE TANK (INCLUDING ALL CONSULTANTS AND SUB-CONSULTANTS WILL HAVE CONFINED SPACE ENTRY TRAINING, AND WORKING AT HEIGHTS TRAINING AS NECESSARY.

ENVIRONMENTAL CONTROL

1. IN THE EVENT OF A SPILL THE CONTRACTOR WILL RECOVER THE CONTAMINATED SOIL AND DISPOSE OF AS DIRECTED BY THE OWNER.

SURVEYING

1. THE CONTRACTOR SHALL PROVIDE ALL THE SURVEYING REQUIRED TO DEVELOP RECORD DRAWINGS AT THE END OF THE PROJECT, INCLUDING:
   a. TOP OF EXPOSED GRANULAR PAD AFTER REMOVAL OF THE STEEL FLOOR PLATES/INJECTED FOAM.
   b. TOP OF GRANULAR PAD AFTER PLACING AND COMPACTING NEW GRANULAR TO ORIGINAL FLOOR ELEVATION.
   c. TOP OF RIGID STYROFOAM INSULATION.
   d. FINAL ELEVATION OF BACKFILL INSIDE
   e. SURVEY OF COMPLETED INSIDE TANK WITH LOCATIONS OF NEW SERVICE CONNECTIONS AND MANWAYS .
2. SURVEY BENCHMARK TO BE DETERMINED
3. ALL SURVEYS SHALL BE PROVIDED IN AN ELECTRONIC FORMAT ACCEPTABLE TO THE OWNER.

CLEAN UP

1. THE CONTRACTOR SHALL CLEAN UP ALL OF THE WORK AREAS, TO THE OWNER'S SATISFACTION, UPON COMPLETION OF THE WORKS.

REFERENCES

1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. BASE MAPPING OBTAINED FROM GOVERNMENT OF NUNAVUT (COMMUNITY AND GOVERNMENT SERVICES) WEBSITE.
3. MAP DATUM IS UTM NAD83 (CSRS), ZONE 17N.
4. ELEVATION DATA FROM FSC GROUP, IFT DESIGN DRAWINGS, MAY 2000.
5. IMAGERY OBTAINED FROM BING IMAGERY; © 2022 MICROSOFT CORPORATION , EARTHSTAR GEOGRAPHICS SIO, 2022 AND WWW.FREEWORLDMAPS.NET.
6. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER'S REPRESENTATIVE SHOULD UNCERTAINTIES ARISE WITH CONSTRUCTION DRAWINGS.

OTHER

1. UNLOAD FROM PLANE AND TRANSPORT FIVE AQUA-FLEX TANKS (WOODEN PALLET SIZE 76”X 50” X 43”, WEIGHT APPROXIMATELY 1,600 LBS) FROM AIRPORT TO PROPOSED DEPLOYMENT LOCATION.
2. PROVIDE SUPPORT TO UNFOLD AND POSITION TANK (ESTIMATED 8 TO 10 PERSONS).
3. ASSEMBLE HOSES AND PUMPS TO FILL AQUA-FLEX TANKS FROM THE AIRPORT CREEK. FILL TANKS WITH WATER.

LEGEND:

ISSUED FOR CONSTRUCTION
2022-06-09

CLIENT:
Building Nunavut Together
GOVERNMENT OF NUNAVUT

wood.

PROJECT:
GRISE FIORD
WATER STORAGE TANK #3 REPAIRS

TITLE:
TANK #3 REPAIR
GENERAL CONSTRUCTION NOTES

DWN BY:	DSGN'D BY:	CHK'D BY:	CHK'D (LEAD):
DM	-	-	JD

DATUM:	SCALE:
NAD83 (CSRS)	-

PROJECTION: UTM ZONE 17 NORTH

PROJECT NO:	REV. NO:
TE213032	0

REV. DATE:	FIGURE NO:
2022/06/09	G-120

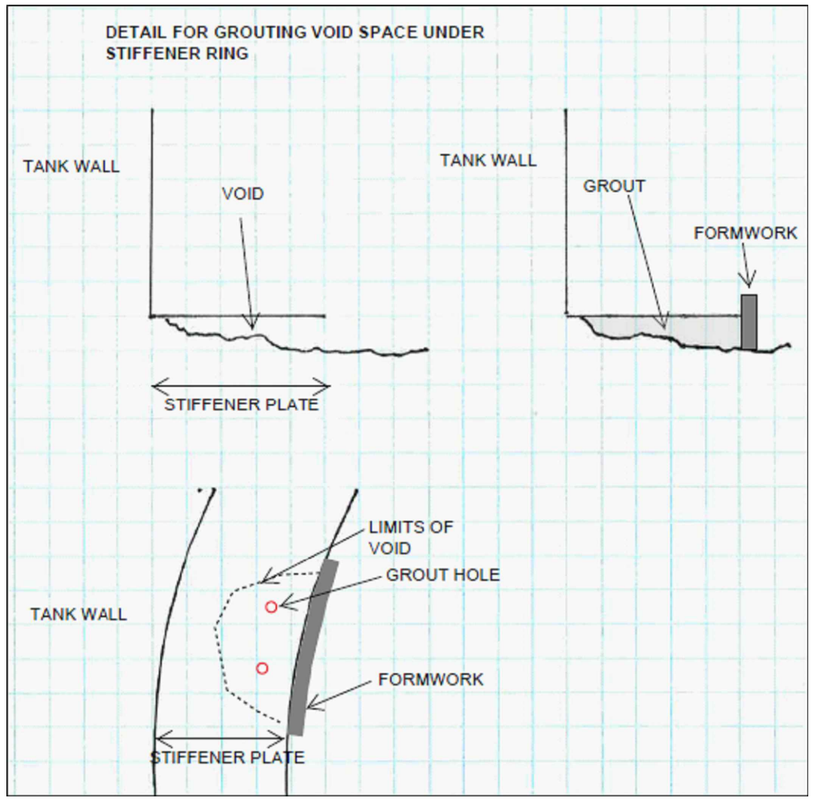
TANK #3 REPAIR - GEOTECHNICAL NOTES

PREPARATION OF GRANULAR FILL MATERIAL

1. GRANULAR MATERIAL FOR THE FOUNDATION PAD REPAIR AT TANK #3 WILL BE SOURCED FROM EXISTING STOCKPILES OR PIT AREA LOCATED NEAR THE AIRPORT. THE CONTRACTOR WILL PROCESS THE EXISITNG GRANULAR STOCKPILES FOR USE IN TANK #3.
2. THE STOCKPILES ARE ANTICIPATED TO BE FROZEN UNTIL MID-JUNE. THE CONTRACTOR WILL FACILITATE THAWING OF THE STOCKPILE. ONE SUCH METHOD MAY BE TO PROCURE AND PLACE BLACK/INSULATED TARPS ON THE FROZEN STOCKPILE WITH APPROPRIATE ANCHORS. THE TARPS WILL BE PEELED BACK WEEKLY, THAWED MATERIAL SCRAPED OFF AND STOCKPILED/TARPED SEPARATELY. THE TARPS WILL BE PLACED BACK ON THE EXPOSED FROZEN GRANULAR MATERIAL. OTHER METHODS MAY BE PROPOSED FOR CONSIDERATION.

TANK #3 GRANULAR FOUNDATION PAD REPAIR

1. THE CONTRACTOR WILL CUT AN OPENING IN TANK #3 TO FACILITATE CONSTRUCTION ACTIVITIES (SEE TANK STRUCTURAL NOTES).
2. THE CONTRACTOR WILL CUT THE EXISTING STEEL PLATE FLOOR/INJECTED FOAM INTO MANAGEABLE PIECES ABLE TO BE REMOVED FROM THE TANK THROUGH THE OPENING. A 30 CM WIDTH OF FLOOR PLATE WILL BE LEFT IN PLACE AROUND THE PERIMETER OF THE TANK.
   THE CONTRACTOR WILL TRANSPORT/STOCKPILE STEEL PLATE/FOAM TO LOCATION TO BE DETERMINED WITH MUNICIPALITY.
3. THE CONTRACTOR WILL REMOVE FROST AND ANY PIECES OF ICE FROM THE GRANULAR PAD SURFACE. SMOOTH AND COMPACT EXISTING GRANULAR PAD SURFACE USING A REVERSIBLE VIBRATORY PLATE COMPACTOR (MINIMUM 8,000 LBF) TO SATISFACTION OF THE OWNER.
4. ANY AREAS WHERE VOIS SPACE IS NOTED UNDER THE STIFFENER RING MUST BE GROUTED BEFORE GRANULAR IS PLACED AROUND THE PERIMETER.



5. THE CONTRACTOR WILL LOAD AND HAUL NEW GRANULAR MATERIAL FROM THE AIRPORT TO TANK #3 OR INTERIM STOCKPILE LOCATION (LAYDOWN AREA). NEW GRANULAR WILL BE FREE FROM ORGANIC MATERIAL, ICE OR SNOW. NEW GRANULAR SOURCED FROM THE PIT AREA WILL HAVE NO PARTICLES LARGER THAN 100 MM IN SIZE. THE CONTRACTOR WILL PLACE AND COMPACT NEW GRANULAR INSIDE TANK #3 IN MAXIMUM 150 mm (6 INCH) THICK LIFTS UP TO THE LEVEL OF THE ORIGINAL FLOOR PLATE. A MINIMUM OF FIVE PASSES WITH A REVERSIBLE VIBRATORY PLATE COMPACTOR (MINIMUM 8,000 LBF) SHALL BE CARRIED OUT ON EACH FILL LIFT OR TO SATISFACTION OF THE OWNER.
6. PLACE 2 x 50MM THICK RIGID STYROFOAM INSULATION (HI-60 RIGID STRYROFOAM) ON TOP OF THE GRANULAR PAD AT THE ORIGINAL FLOOR ELEVATION. THE EDGES OF THE STYROFOAM SHEETS MUST BE STAGGERED BETWEEN LAYERS.
7. ADDITIONAL GRANULAR TO BE PLACED ON TOP OF THE RIGID STYROFOAM INSULATION TO A FINISHED LEVEL AT 660MM ABOVE THE ORIGINAL FLOOR LEVEL. THE GRANULAR INSIDE WILL BE PLACED IN MAXIMUM 150 mm (6 INCH) THICK LIFTS. A MINIMUM OF FIVE PASSES WITH A REVERSIBLE VIBRATORY PLATE COMPACTOR (MINIMUM 8,000 LBF) SHALL BE CARRIED OUT ON EACH FILL LIFT OR TO SATISFACTION OF THE OWNER.

LEGEND:

ISSUED FOR CONSTRUCTION
2022-06-09

CLIENT:
Nunavut Building Nunavut Together
GOVERNMENT OF NUNAVUT

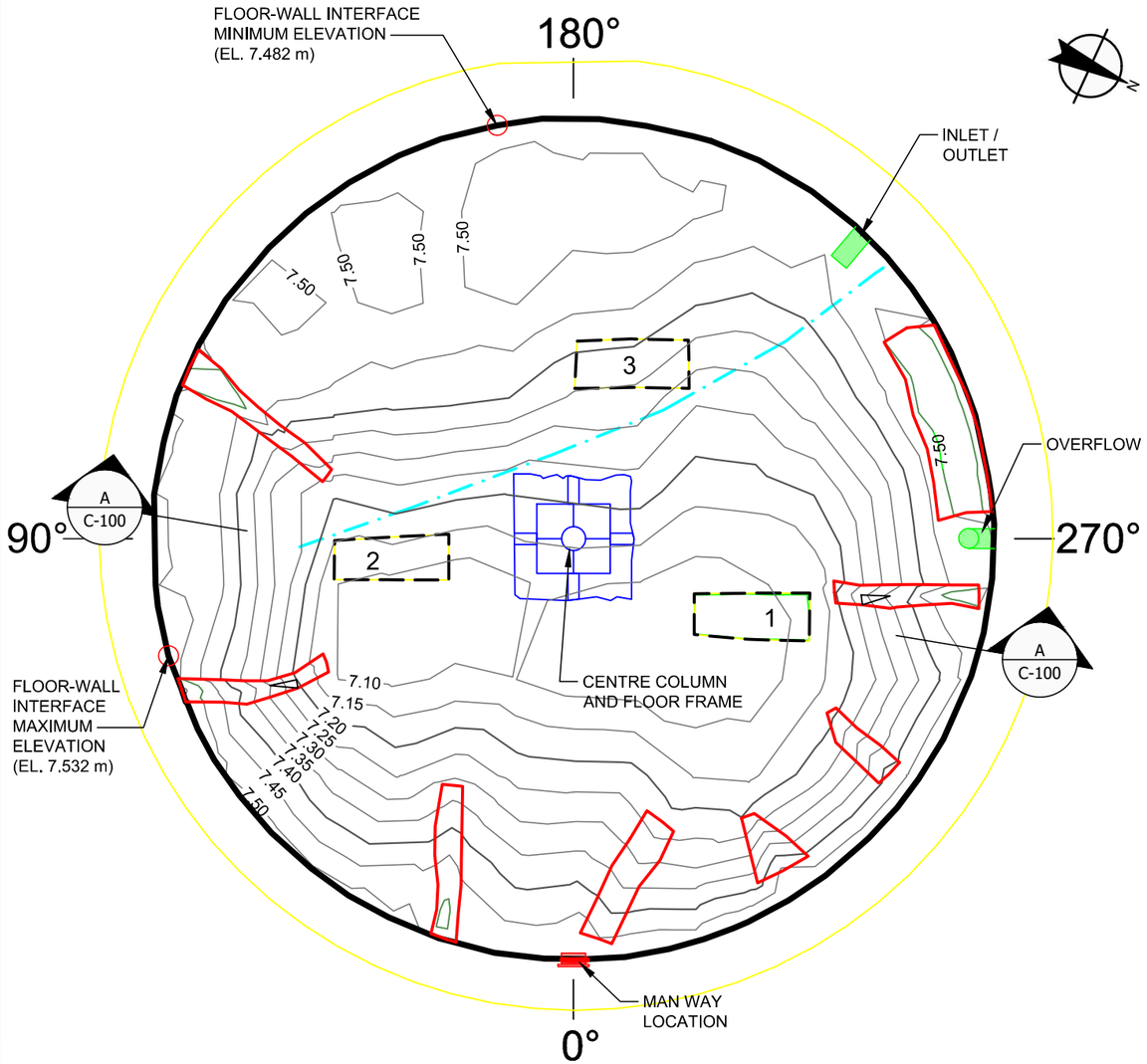
wood.

PROJECT:
GRISE FIORD
WATER STORAGE TANK #3 REPAIRS

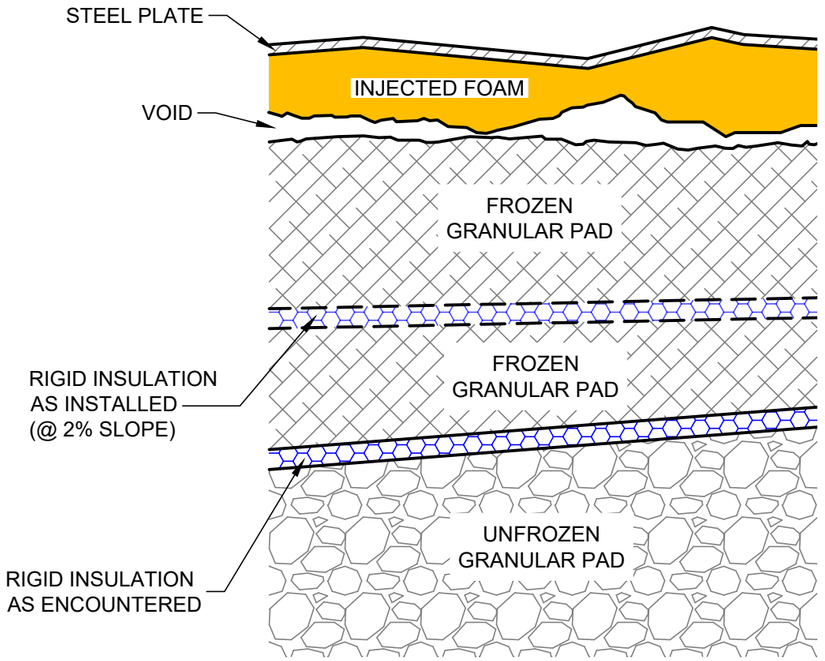
TITLE:
TANK #3 REPAIR
GEOTECHNICAL NOTES

DWN BY:	DSGN'D BY:	CHK'D BY:	CHK'D (LEAD):
DM	-	-	JD

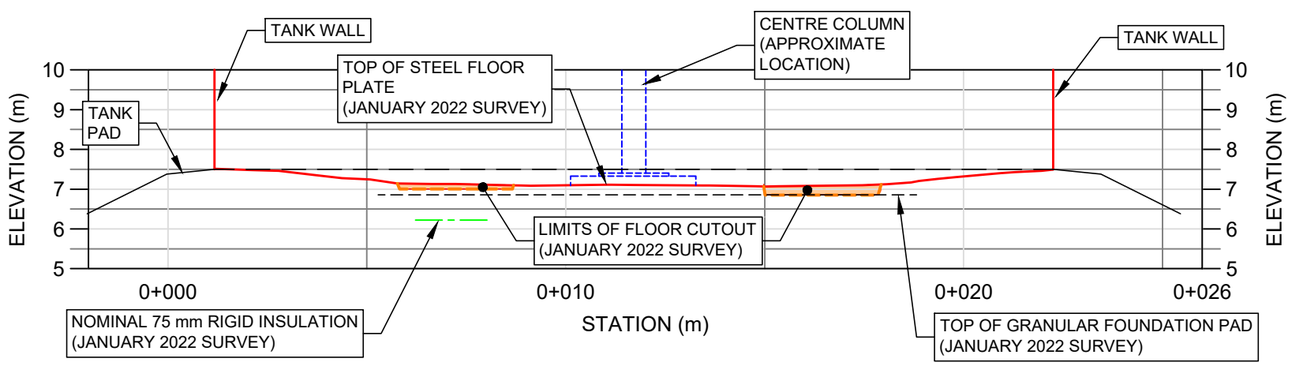
DATUM: NAD83 (CSRS) | SCALE: -
PROJECTION: UTM ZONE 17 NORTH
PROJECT NO: TE213032 | REV. NO: 0
REV. DATE: 2022/06/09 | FIGURE NO: C-001



PLAN VIEW



TYPICAL CONDITIONS ENCOUNTERED
IN FLOOR CUT-OUT #2
NTS



SECTION A-A

LEGEND:

- FLOOR CUT-OUT
- FLOOR BUCKLING
- TOP OF STEEL PLATE CONTOURS (0.05 m INTERVALS)
- RECIRCULATION LINE

NOTES:

ELEVATIONS DERIVED FROM JANUARY 2022 FIELD SURVEY.

ISSUED FOR CONSTRUCTION
2022-06-09

0m 1 2 3 4 5 6
1 : 150

CLIENT:
Nunavut Building Nunavut Together
GOVERNMENT OF NUNAVUT

wood.

PROJECT:
GRISE FIORD
WATER STORAGE TANK #3 REPAIRS

TITLE:
TANK #3 FLOOR SURVEY AND EXISTING CONDITIONS, PLAN AND CROSS-SECTION

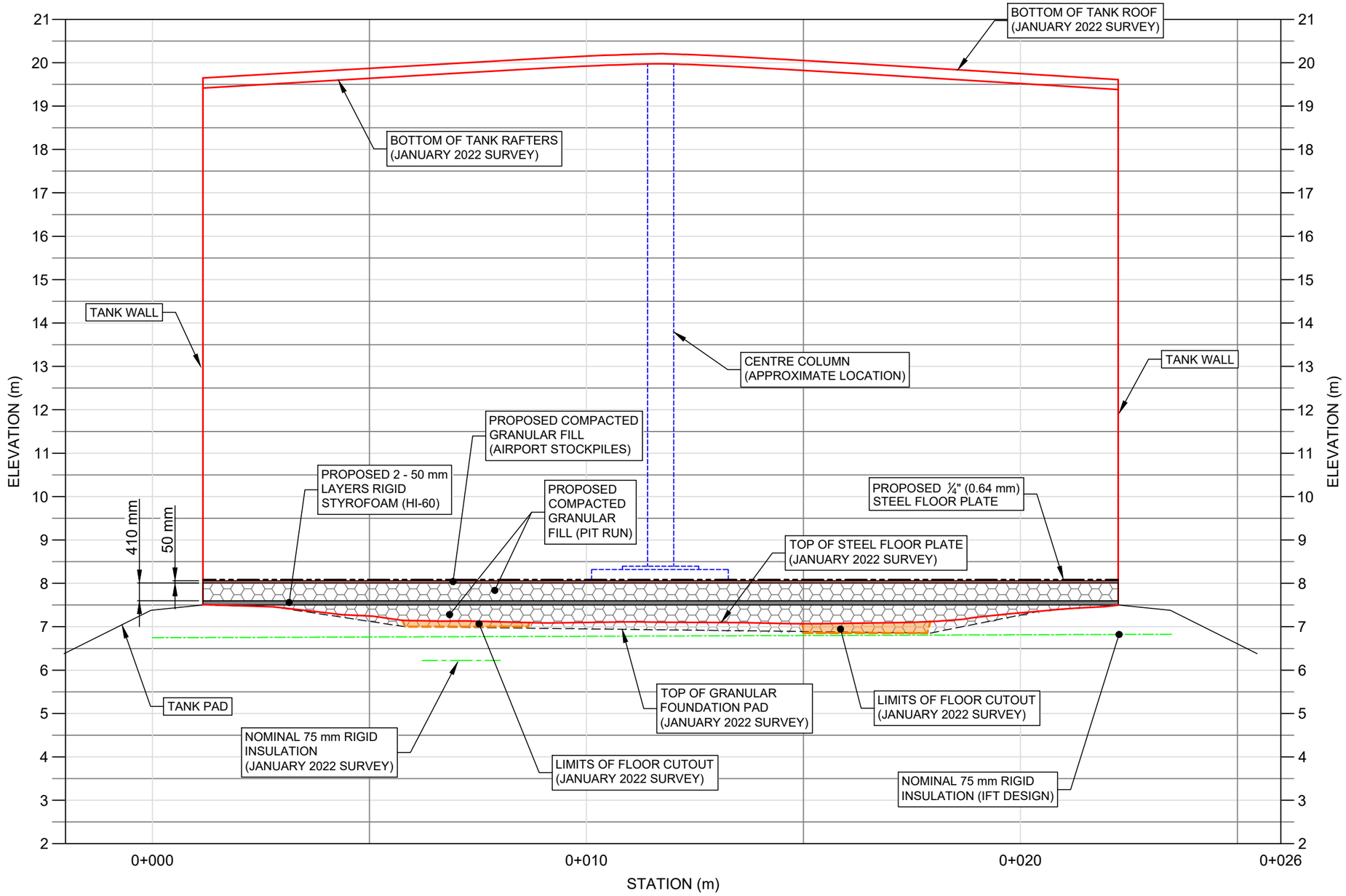
DWN BY:	DSGN'D BY:	CHK'D BY:	CHK'D (LEAD):
DM	-	-	JD

DATUM:	SCALE:
NAD83 (CSRS)	1:150

PROJECTION: UTM ZONE 17 NORTH

PROJECT NO:	REV. NO:
TE213032	0

REV. DATE:	FIGURE NO:
2022/06/09	C-110



SECTION A-A

NOTES:

ELEVATIONS DERIVED FROM JANUARY 2022 FIELD SURVEY AND TIED TO ELEVATION DATA SHOWN ON IFT DESIGN DRAWINGS.

ISSUED FOR CONSTRUCTION
2022-06-09

CLIENT:
Nunavut Building Nunavut Together
GOVERNMENT OF NUNAVUT

wood.

PROJECT:
GRISE FIORD
WATER STORAGE TANK #3 REPAIRS

TITLE:
TANK #3 FLOOR
CROSS-SECTION
PROPOSED REPAIRS

DWN BY:	DSGN'D BY:	CHK'D BY:	CHK'D (LEAD):
DM	-	-	JD

DATUM:	SCALE:
NAD83 (CSRS)	1:100

PROJECTION: UTM ZONE 17 NORTH

PROJECT NO:	REV. NO:
TE213032	0

REV. DATE:	FIGURE NO:
2022/06/09	C-120

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