



Works approval number	W6690/2022/1
Works approval holder	Agnew Gold Mining Company Pty Ltd
ACN	098 385 833
Registered business address	Level 4, 235 St Georges Terrace PERTH WA 6000
DWER file number	DWER2022/000231
Duration	9/9/2022 to 9/9/2025
Date of issue	12/09/2022
Premises details	Agnew Gold Mine Mining Tenements: M36/27, M36/32, M36/53, M36/55, M36/65, M36/150, M36/174, M36/248, M36/314 and M36/450. LEINSTER WA 6437 As defined by the premises boundary in Figure 1, Schedule 1: Maps.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	1,400,000 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions,
On 12 September 2022, by:

**A/MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
12/09/2022	W6690/2022/1	Construction of a replacement tailings delivery pipeline from the Agnew Mine site to the Redeemer pit (TSF3), tying into the existing pipeline to Songvang pit (TSF4).

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct and install the infrastructure and equipment;
 - (b) in accordance with the corresponding design and construction requirements; and
 - (c) at the corresponding infrastructure location, as set out in Table 1.

Table 1. Design and construction requirements

Item	Infrastructure	Design and construction requirements	Infrastructure location
1.	New tailings pipeline between EMU complex processing plant to Songvang TSF4	<ol style="list-style-type: none"> a) Constructed in accordance with design drawings depicted in Figures Figure 3-Figure 6, Schedule 2: Pipeline design documents b) Constructed using 355 OD PN16 HDPE and 355 OD PN12.5 HDPE pipeline; c) Equipped with telemetry systems with pressure transmitters and indicators to allow the detection of leaks and failure; d) Equipped with automatic cut-outs in the event of pipe failure; e) Equipped with air release breathers; f) Pipeline to be constructed within secondary containment; g) Pipeline double sleeved and buried under creek crossings; and h) Required to meet the following standards: <ul style="list-style-type: none"> o AS/NZS 2033:3008: Installation of polyethylene pipe systems; o AS/NZS 4129:2008: Fittings for polyethylene (PE) pipes for pressure applications; and o AS/NZS 4130:2009 Polyethylene (PE) pipes for pressure applications; and o AS/NZS 4131:2010: Polyethylene (PE) compounds for pressure pipes and fittings 	Location as depicted in Figure 2, Schedule 1.
2.	Pipeline secondary containment	<ol style="list-style-type: none"> a) Sumps constructed on either side of all creek crossings in accordance with Figure 5, Schedule 2: Pipeline design documents; and b) Capacity of existing bunds to be reviewed due to increased capacity of pipeline to ensure they are 	Located along the pipeline corridor depicted in Figure 2,

Item	Infrastructure	Design and construction requirements	Infrastructure location
		appropriately sized to contain maximum possible spill volume between daily inspections.	Schedule 1.

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and installed:
 - (a) undertake an audit of their compliance with the requirements of condition 1; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
 - (a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
 - (b) as constructed plans or photographs for each item of infrastructure or component of infrastructure specified in condition 1; and
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Environmental commissioning phase

Environmental commissioning requirements and emission limits

4. The works approval holder may only commence environmental commissioning of an item of infrastructure listed in condition 1 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 of this works approval.
5. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 2 may only be carried out:
 - (a) in accordance with the corresponding commissioning requirements; and
 - (b) for the corresponding authorised commissioning duration.

as specified in Table 2.

Table 2. Environmental commissioning requirements

Infrastructure	Commissioning requirements	Authorised commissioning duration
New tailings pipeline and additional instrumentation	<ul style="list-style-type: none"> • Pipeline integrity to be tested and monitored • Leak detection and pressure transmitters to be calibrated • Testing of the automatic cut-out system to ensure it is functioning correctly 	For a period not exceeding 12 weeks in aggregate.

Environmental commissioning report

6. The works approval holder must submit to the CEO an Environmental Commissioning Report within 30 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 2.
7. The works approval holder must ensure the Environmental Commissioning Report required by condition 6 of this works approval includes the following:
 - (a) a summary of the environmental commissioning activities undertaken, including timeframes and amount of tailings processed;
 - (b) a summary of the environmental performance of each item of infrastructure or equipment as constructed or installed (as applicable), which at minimum includes records detailing the:
 - (i) hydro-testing of pipelines
 - (ii) calibration of flow meters and pressure transmitters; and
 - (iii) commissioning of the automatic cut-out system
 - (c) a review of the works approval holder's performance and compliance against the conditions of this works approval; and
 - (d) where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures.

Records and reporting (general)

8. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
9. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
 - (a) the works conducted in accordance with condition 1;
 - (b) any maintenance of infrastructure that is performed in the course of complying with condition 4; and
 - (c) complaints received under condition 8.
10. The books specified under condition 9 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the works approval holder for the duration of the works approval; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 3 have the meanings defined.

Table 3: Definitions

Term	Definition
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
HDPE	means High-density Polyethylene

Term	Definition
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map Figure 1 in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
suitably qualified engineer	means a person who: <ul style="list-style-type: none"> a) holds a Bachelor of Engineering recognised by the Institute of Engineers; and b) has minimum of five years of experience working in the area of civil engineering or is otherwise approved by the CEO to act in this capacity.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
TSF	tailings storage facility
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

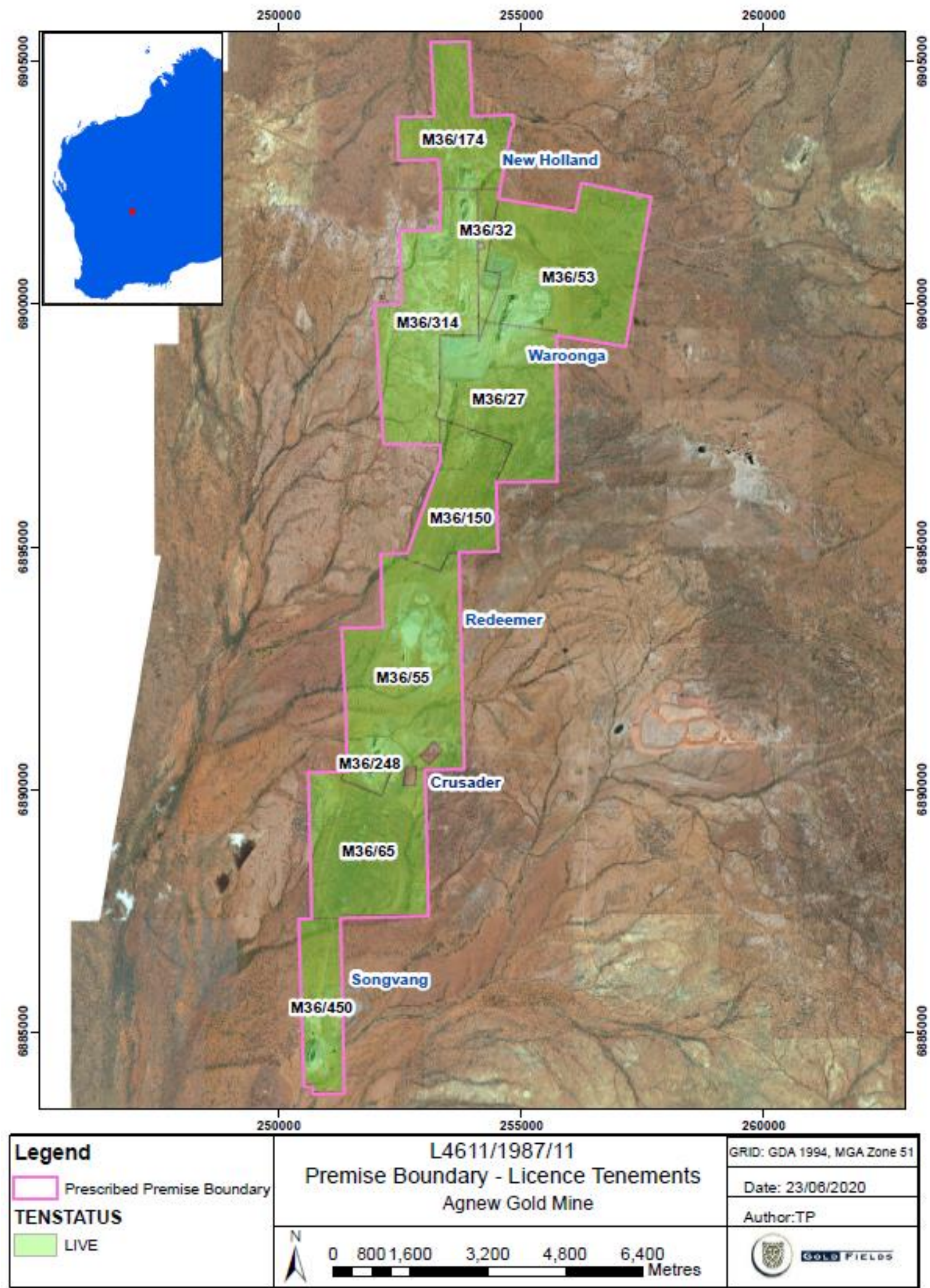


Figure 1: Map of the boundary of the prescribed premises

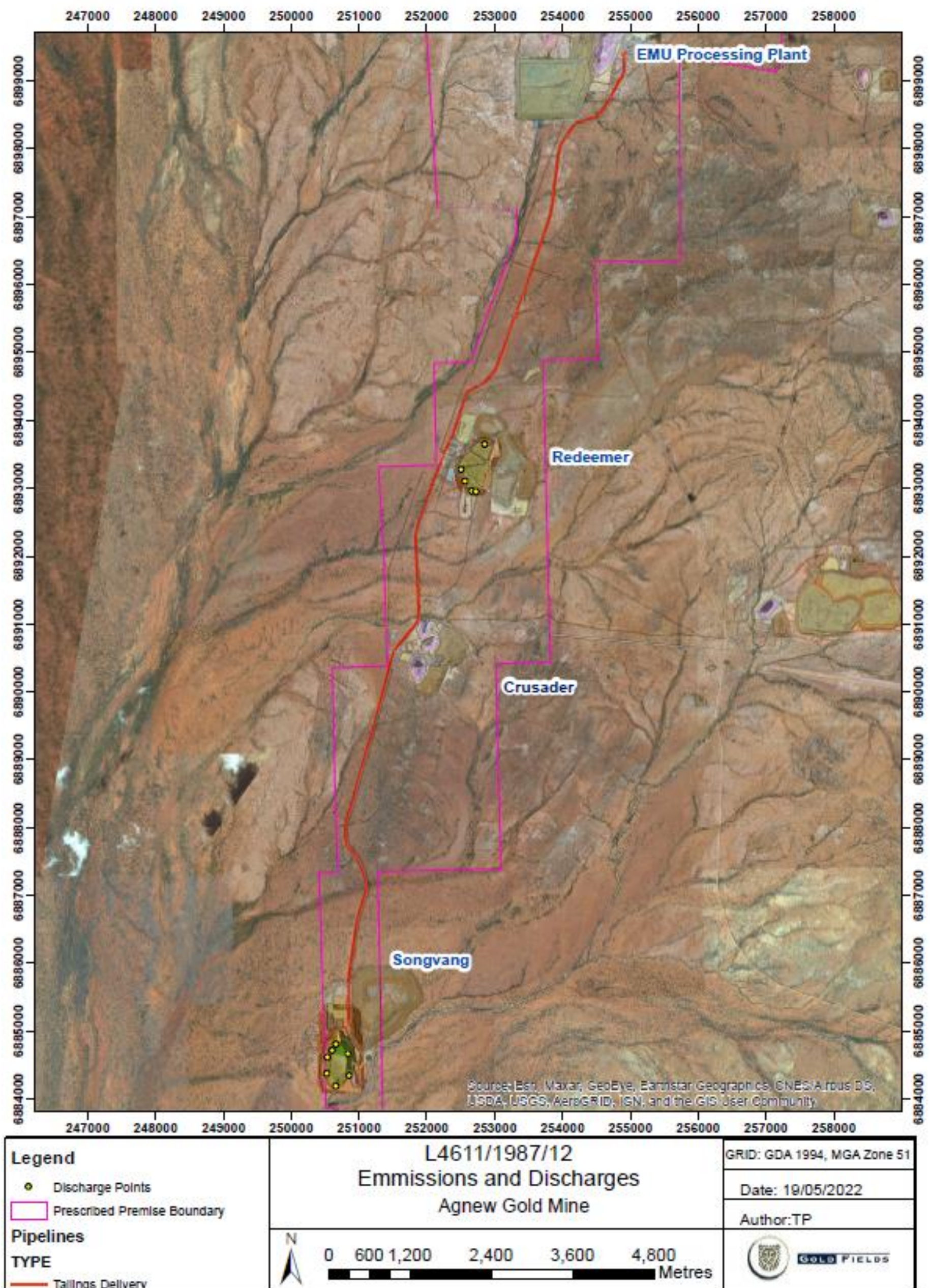


Figure 2. Existing tailings delivery pipeline - new pipeline will replace northern 10.6km and will follow the same route as existing pipeline.

Schedule 2: Pipeline design documents

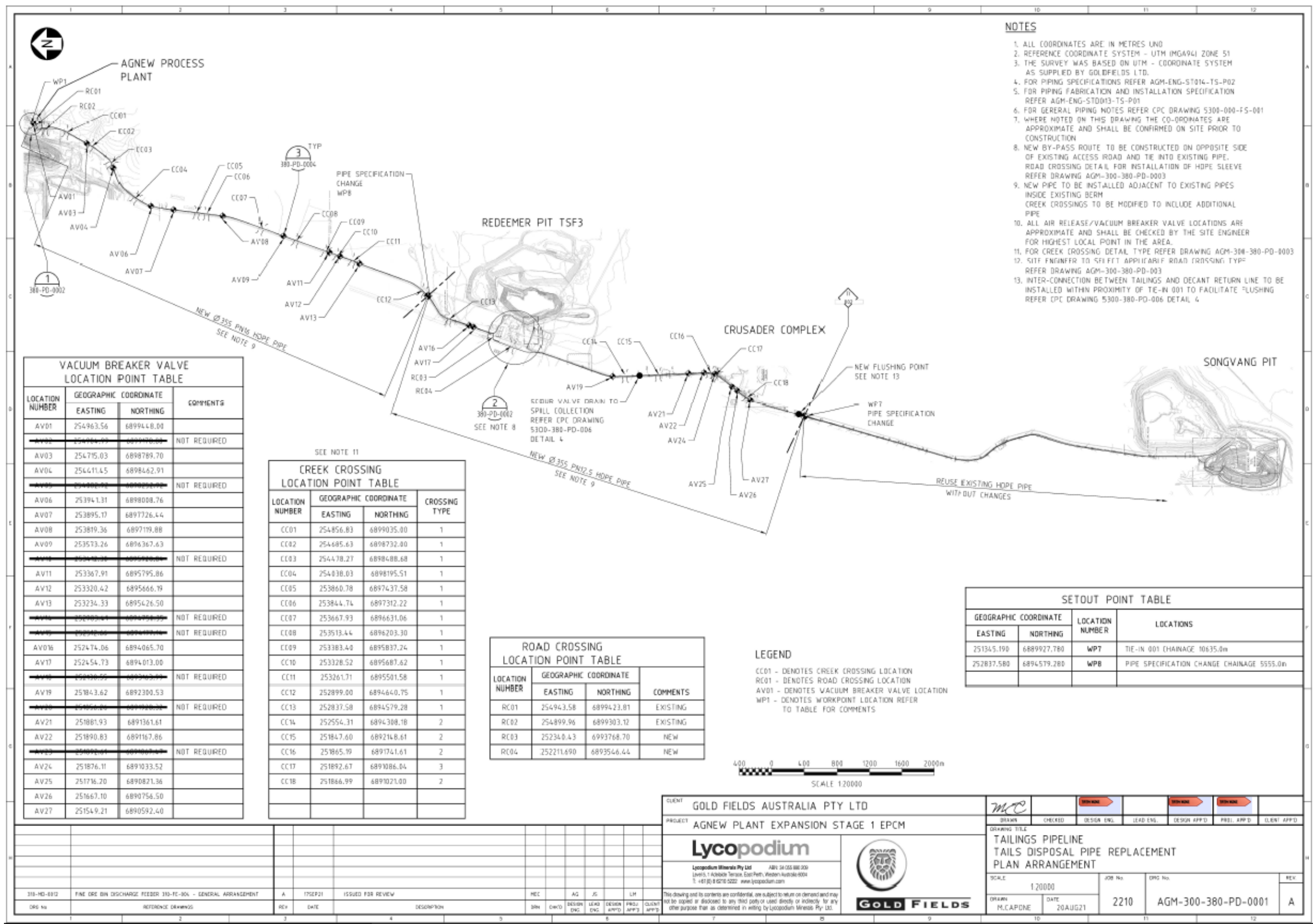


Figure 3. Construction designs for the length of the pipeline

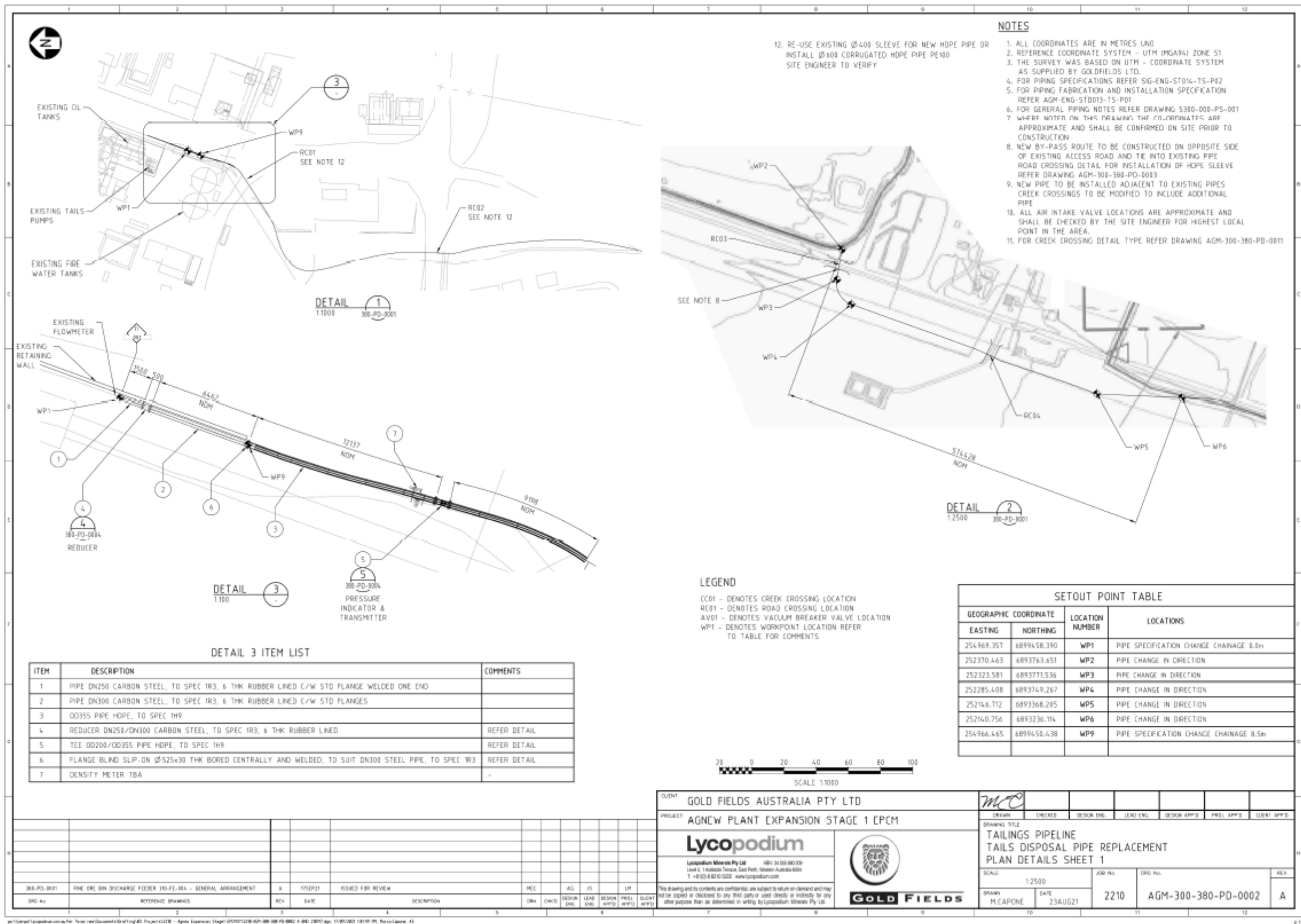


Figure 4. Pipeline design documents

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IR-T05 Works approval template (v5.0) (February 2020)

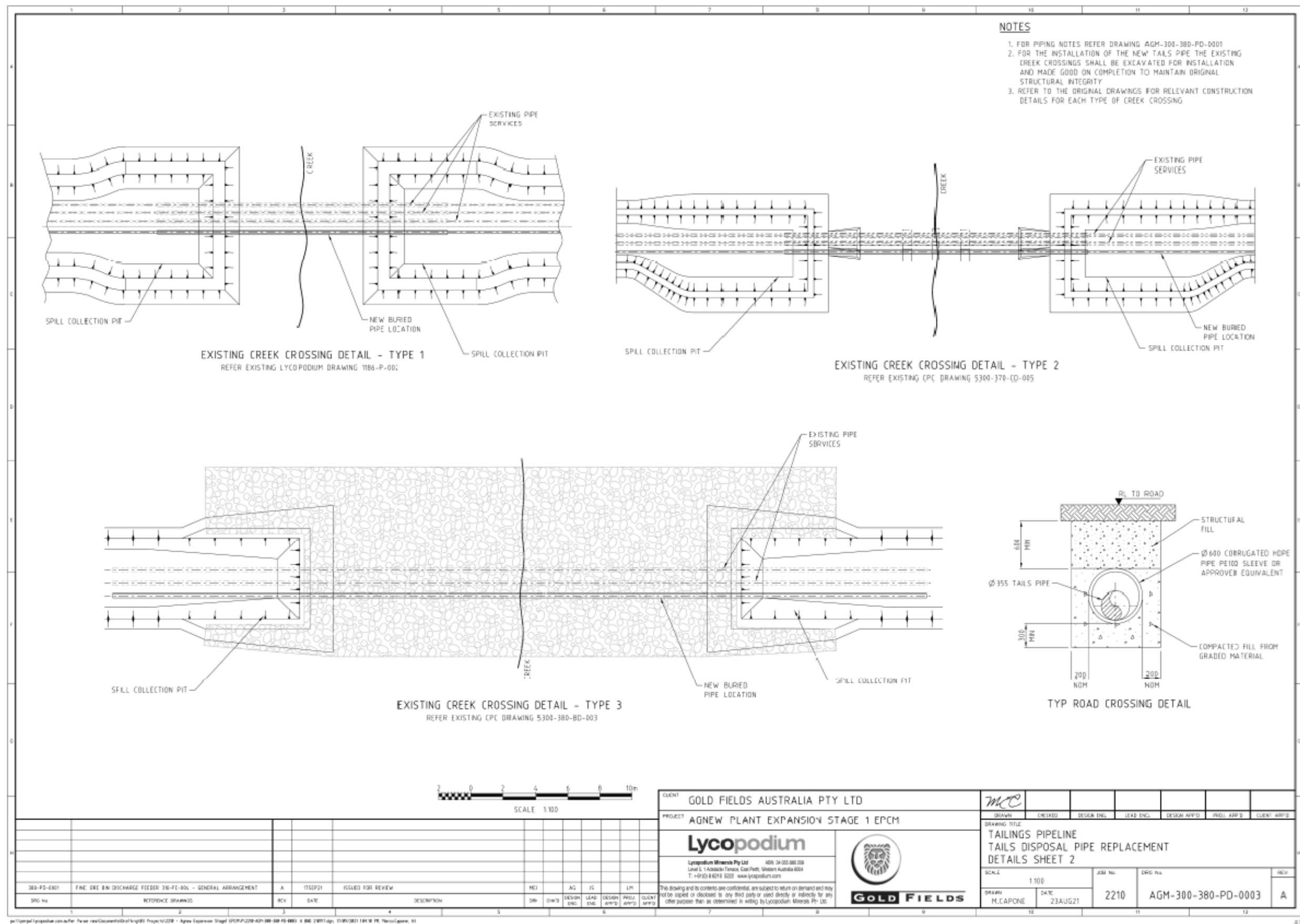


Figure 5. Design documents for construction under creek and road crossings

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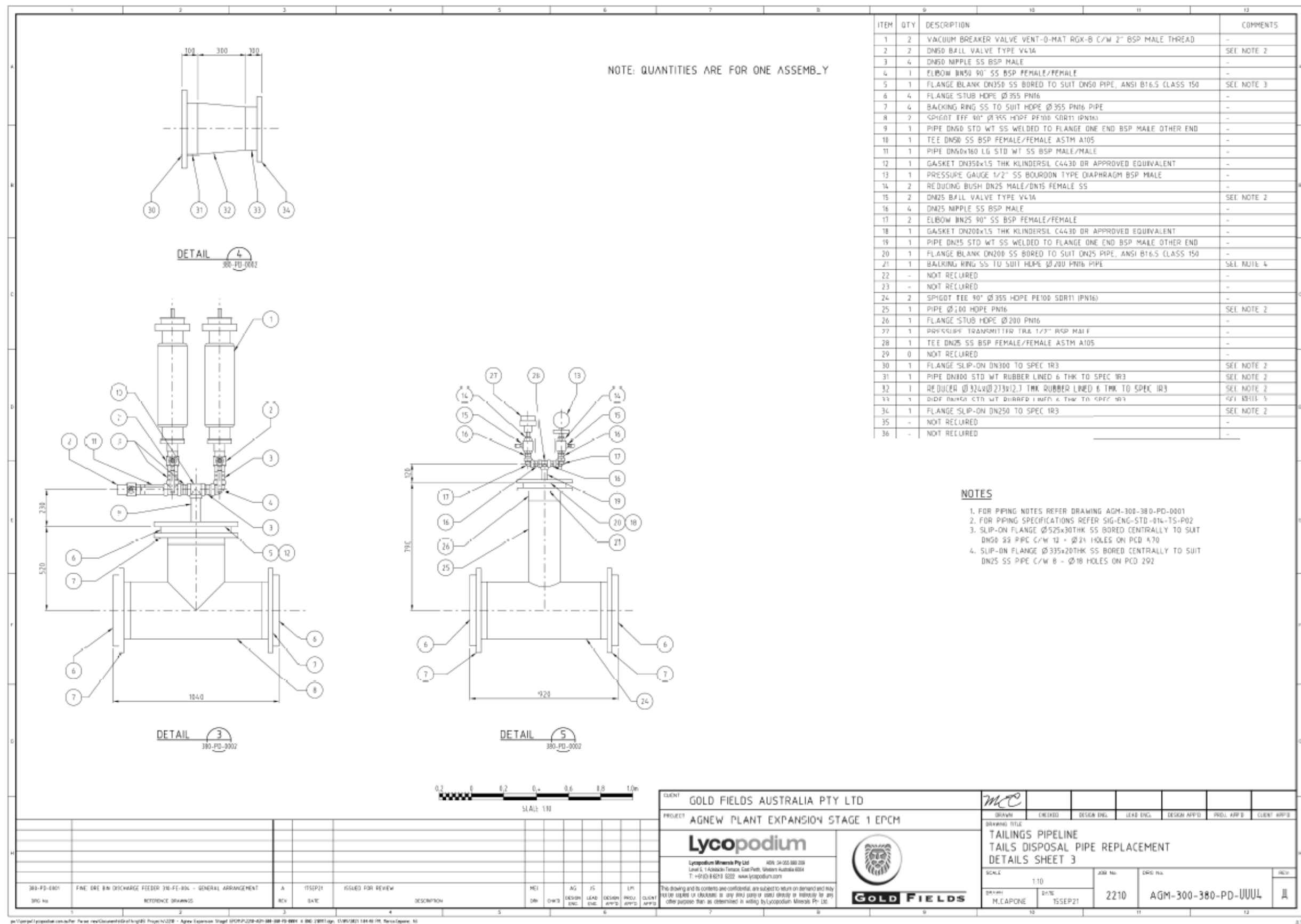


Figure 6. Design documents for the general arrangement of a Fine Ore Bin Discharge Feeder – tailings disposal pipe replacement

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IR-T05 Works approval template (v5.0) (February 2020)