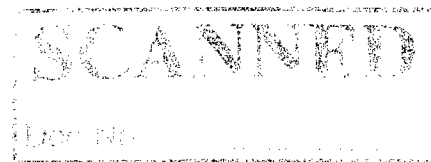
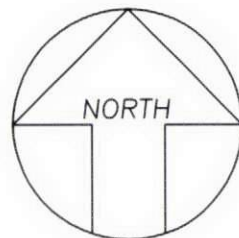


APPENDIX 2 – Drawings





APPROX CURRENT POSITION OF
COAL FACE AND BATTER

BUSH TRAMWAY RAILWAY LINE TO
NORTH OF NORTHERN SITE
BOUNDARIES

ROTOWARO ROAD

GLEN ROAD

HANGAPIPI ROAD

STORMWATER DISCHARGES
TO WAITARAWA STREAM ON
NORTH SIDE OF ROTOWARO
ROAD

SECONDARY
STORMWATER
TREATMENT PONDS

EARTH DAM
IMPOUNDING PRIMARY
TREATMENT POND

STORMWATER
PRIMARY
TREATMENT POND

EXISTING SITE OFFICE,
WEIGHBRIDGES AND
COAL SCREENING AND
LOADOUT PLANT

SITE ACCESS ROAD FROM
ROTOWARO ROAD

FOR DETAIL WITHIN THIS AREA
REFER DRAWING 140502/03

EXISTING WORKSHOP

DISUSED LIMESTONE
QUARRY SITE

LOCATION OF RUINS OF
COLLIERY HOUSES

DISUSED LIMESTONE
QUARRY SITE

LOCATION OF OLD RUGBY
LEAGUE PLAYING FIELD

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PUKE COAL LIMITED

location:
1158 ROTOWARO ROAD, GLEN AFTON

project:
RESOURCE CONSENT APPLICATION FOR EARTHWORKS

drawing title:
SITE PLAN WITH EXISTING CONTOURS

SCALE:
1:4000

FILE: puke coal site 02
DATE: 09/13
ORIGINAL SIZE: A1

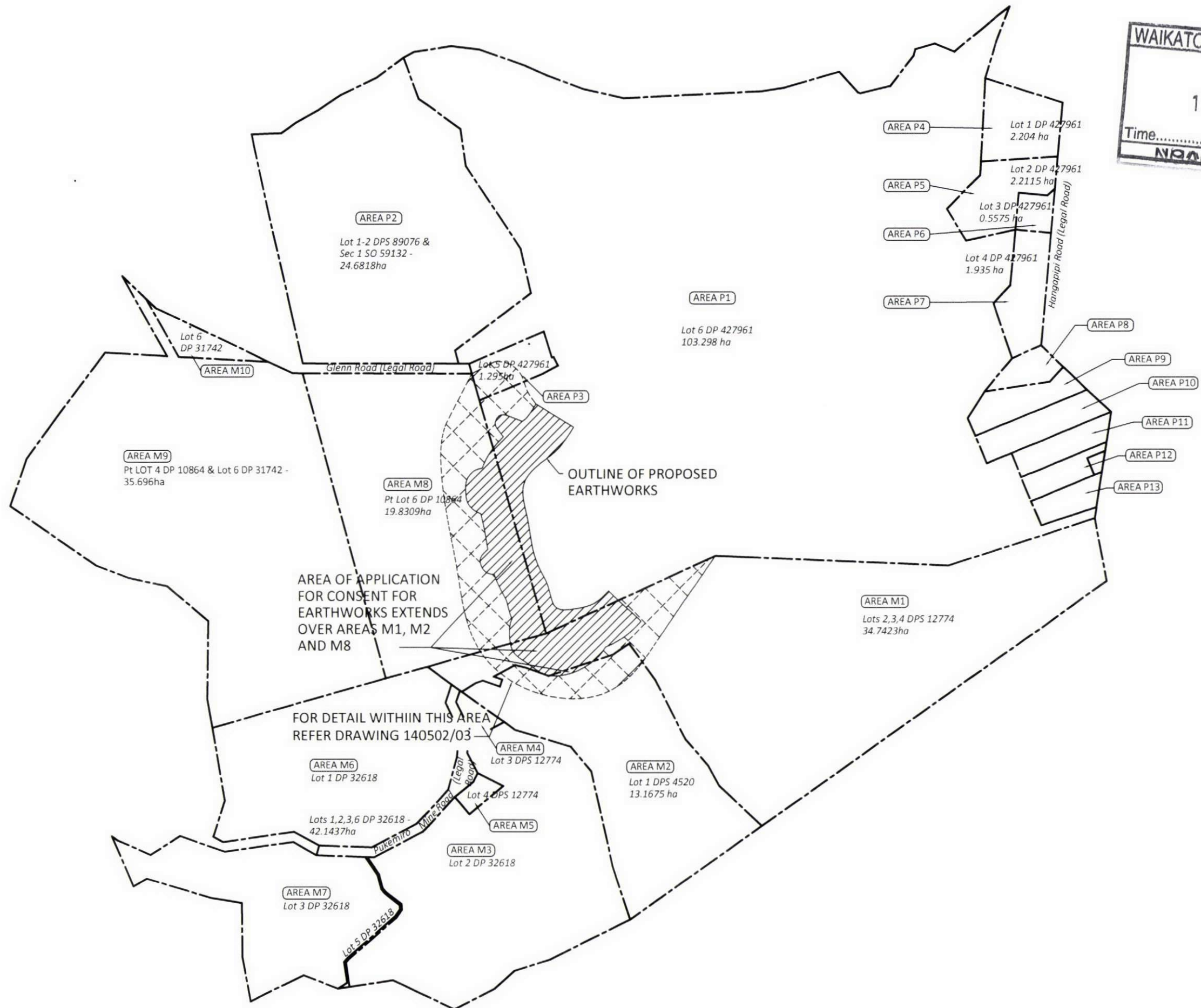
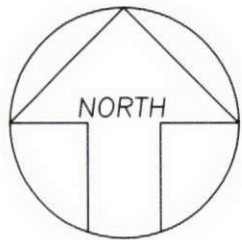
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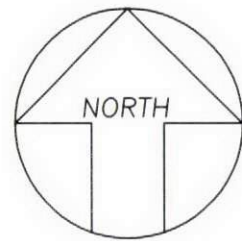
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140502/01

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	location: 1158 ROTOWARO ROAD, GLEN AFTON	drawing title: LEGAL DESCRIPTIONS AND SITE OPERATIONAL AREA DESCRIPTIONS	FILE: puke coal site 02 DATE: 08/13 ORIGINAL SIZE: A1		REVISION: A



CONTINGENT WORKS AREA
SHOWN IN DASHED
HATCHING

EXCAVATE OLD FILLED GULLEYS
TO REMOVE UNSTABLE FILL
MATERIAL -FOR A MIN
DISTANCE OF 20 METRES
FROM THE UPPER BENCH.
PROVIDE OPEN CHANNEL
DRAIN TOO LEAD TO TOE DRAIN
AT UPPER BENCH

LEAD TOE DRAINS TO EXISTING
SURFACE WATER DRAIN AT
BOUNDARY

UPPER BENCH - MIN BACKFALL
AND LONGITUDINAL FALL 3%.
SET LEVELS TO DRAIN ALL OLD
FILLED GULLEYS

UPPER BATTER - MAX HEIGHT 20m.

LOWER BENCH - MIN BACKFALL
AND LONGITUDINAL FALL 3%

LOWER BATTER - MAX HEIGHT 20m

LEAD TOE DRAINS TO EXISTING
SURFACE WATER DRAIN AT
BOUNDARY

LOCATION OF RUINS OF
COLLIERY HOUSES

LOCATION OF OLD RUGBY
LEAGUE PLAYING FIELD



NOTES:

- 1 ALL EARTHWORKS ARE TO BE CARRIED OUT UNDER THE DIRECTION OF GEOTECHNICAL ENGINEER AND IN SUCH A MANNER AS TO ENSURE THAT THE EXCAVATION FACES ARE SAFE AT ALL TIMES. BATTER SLOPES ARE NOT TO EXCEED THOSE SHOWN ON THIS DRAWING AND MAY BE LESS IF THE MATERIALS ARE FOUND TO BE UNSUITABLE AT THOSE SLOPES WHEN WET.
- 2 EXCAVATE FILLED GULLEYS TO REMOVE UNSTABLE MATERIALS AND PERMIT
- 3 SET LEVELS TO UPPER BENCH TO DRAIN OLD FILLED GULLEYS AND FALL TO SOUTHERN END TO DISCHARGE STORMWATER TO EXISTING DRAIN.
- 4 STORMWATER DRAINS WILL BE SIZED AS THE EXTENT OF THE AREAS TO BE DRAINED BECOME ESTABLISHED.
- 5 SILT CONTROL TO BE BY WAY OF SILT FENCES, HAYBALES AND SILT RETENTION PONDS - ALL TO BE DESIGNED IN ACCORDANCE WITH WRC REQUIREMENTS.
- 6 REINSTATE GRASS OVER YELLOW CLAY AREAS AS SOON AS POSSIBLE.

DETAIL PLAN OF NEW HIGHWALL
1:1500

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RESOURCE CONSENT APPLICATION FOR EARTHWORKS

drawing title:
EARTHWORKS OUTLINE DETAILS

SCALE:
AS SHOWN

FILE: puke coal site 02
DATE: 08/13
ORIGINAL SIZE: A1

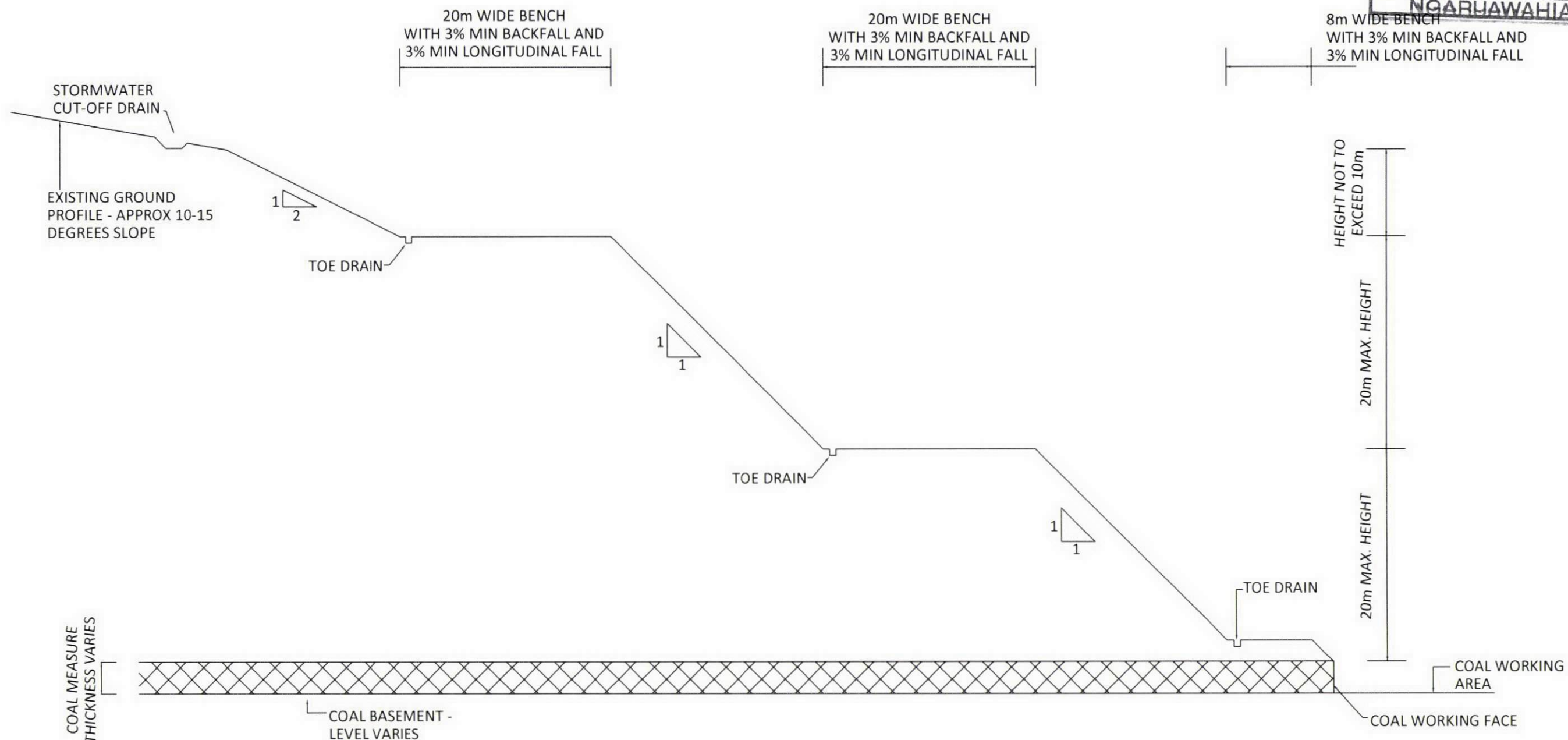
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TYPICAL SECTION THROUGH BENCHING OF HIGHWALL
NOT TO SCALE

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