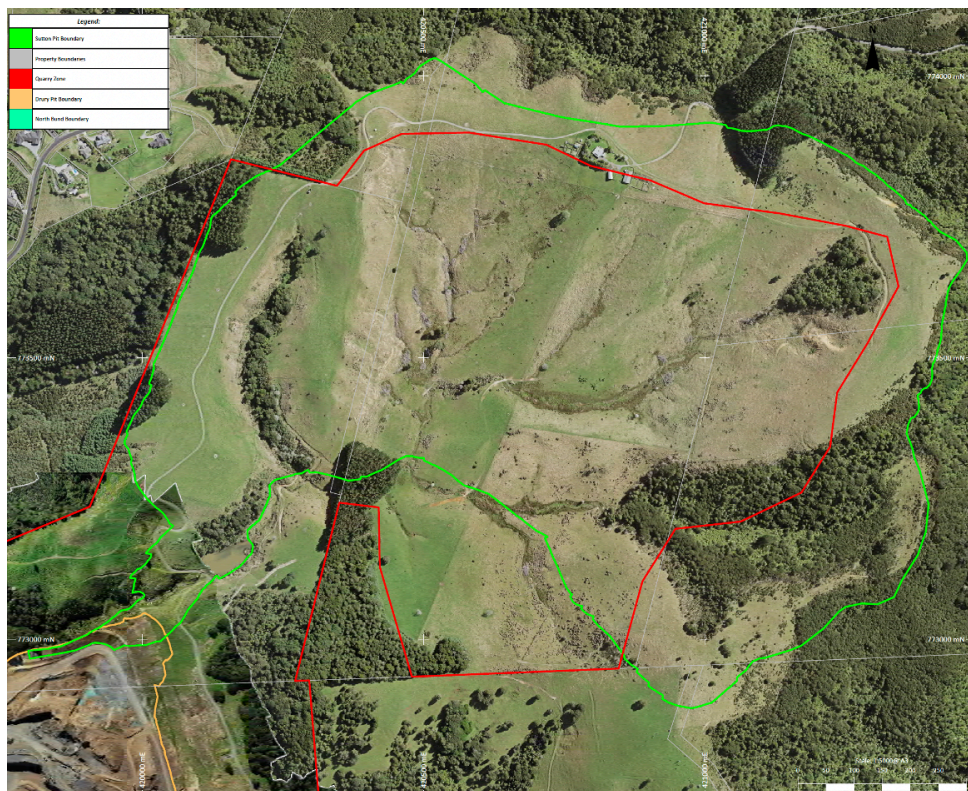


DRURY QUARRY EXTENSION, SUTTON PROJECT, DRURY, AUCKLAND: ARCHAEOLOGICAL ASSESSMENT (APPENDICES)

Prepared for Stevenson Aggregates Ltd

March 2025



By

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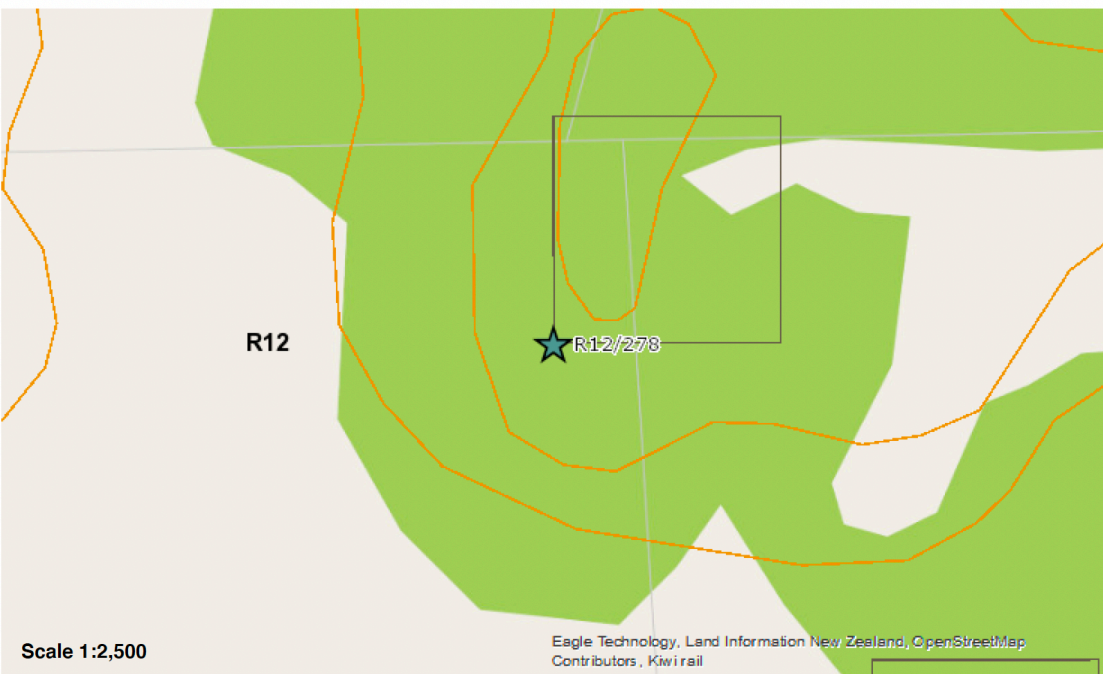
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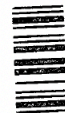
APPENDIX 1: SITE RECORD FORMS

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

 Site Record Form		NZAA SITE NUMBER: R12/278 SITE TYPE: Pa SITE NAME(s): DATE RECORDED:
SITE COORDINATES (NZTM) Easting: 1776985 Northing: 5889482 Source: CINZAS		
IMPERIAL SITE NUMBER: N46/324 METRIC SITE NUMBER: R12/278		
		
Finding aids to the location of the site		
Brief description PA/PITS/BURIALS		
Recorded features		
Other sites associated with this site		

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS1) NZMS 1 map number N46-7 NZMS 1 map name Pukekohe NZMS 1 map edition 3rd, 1974		NZAA NZMS 1 SITE NUMBER N46-7/324 DATE VISITED 9/9/81 SITE TYPE Pits, Stone heaps. SITE NAME: MAORI OTHER Ballard's Rd. Cone.													
Grid Reference Easting 2 5 0 6		Northing 6 2 7 3													
1. Aids to relocation of site (<i>attach a sketch map</i>) P.T.O.															
2. State of site and possible future damage															
3. Description of site (<i>Supply full details, history, local environment, references, sketches, etc. If extra sheets are attached, include a summary here</i>)															
4. Owner Address		Tenant/Manager Address													
5. Nature of information (<i>hearsay, brief or extended visit, etc.</i>) Photographs (<i>reference numbers, and where they are held</i>) Aerial photographs (<i>reference numbers, and clarity of site</i>)															
6. Reported by Address		Filekeeper Date SE BULMER July 1982													
7. Key words															
8. New Zealand Register of Archaeological Sites (<i>for office use</i>) NZHPT Site Field Code															
<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="padding: 2px 5px;">B</td><td style="padding: 2px 5px;">T</td></tr> <tr><td style="padding: 2px 5px;">-</td><td style="padding: 2px 5px;">-</td></tr> <tr><td style="padding: 2px 5px;">-</td><td style="padding: 2px 5px;">-</td></tr> </table> Type of site Local environment today Land classification		B	T	-	-	-	-	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="padding: 2px 5px;">-</td><td style="padding: 2px 5px;">-</td></tr> <tr><td style="padding: 2px 5px;">A</td><td style="padding: 2px 5px;">A</td></tr> <tr><td style="padding: 2px 5px;">13</td><td style="padding: 2px 5px;">U</td></tr> </table> Present condition and future danger of destruction Security code Local body		-	-	A	A	13	U
B	T														
-	-														
-	-														
-	-														
A	A														
13	U														



NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE DESCRIPTION FORM		SITE NUMBER N46-7/324.
Map Number Q12 and R12 NZMS 260	Map Name Pukekohe.	SITE NAME: MAORI
Map Edition 1st, 1980	Grid Reference 87455120	OTHER Ballard's Rd. Cone.
		SITE TYPE Pits, Stone heaps.

(This form may be used for recording any descriptive information or other supplementary information on the site, or for maps and drawings.)

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE DESCRIPTION FORM		SITE NUMBER
Map Number	Q12 and R12, NZMS 260	N46-7/324
Map Name	Pukekohe.	SITE NAME: MAORI
Map Edition	1st, 1980.	OTHER Ballard's Rd. Cone.
Grid Reference	87455120 E2687450 N6451200	SITE TYPE Pits.

(This form may be used for recording any descriptive information or other supplementary information on the site, or for maps and drawings.)

Very steep, rocky hill-side.

nearly sheer

50cm

gap in pit wall

50cm

"shallow depression,"

indicates slightly raised rim

50cm

40cm

slope trend

40cm

possible pit

20cm

Large flat area 20m x 20m

0 1 2 3 metres

NORTH

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

N46/324

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/278	
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980		DATE VISITED 26 June 1989 SITE TYPE: Stoneworks/Earthworks/Burials SITE NAME: MAORI Te Maketu OTHER	
Grid References Easting <u>2 6 8 7 3 9 0</u> Northing <u>6 4 5 1 2 2 0</u>			
Additional Information Sheet The site is located 3.6km NE of Ramarama on a bush covered weathered volcanic rock outcrop. The site has been significantly modified by farming practices (stock grazing and bush clearance operations, deep discing and rock clearing with bulldozers etc.) and fossicking by "treasure hunters". The site is more extensive than previously recorded. The stoneworks appear to be very old ruins and they comprise stone alignments, heaps with facing remnants, rows & low walls which delineate terraces. The latter are likely location of whare or houses. Some of the stoneworks identify pathways through the site. The SW end of the top part of the site contains a reasonably well preserved 3 to 4 course high stone embankment remnant. This structure indicates that the terrace behind is a constructed platform. It also suggests that other parts of the site have suffered considerable surface damage; the stonework and earthworks do indeed represent ruins. Altogether there are well over 100 pieces of stonework. The earthworks are an integral part of the stone structures. They include terraces, a tihi-like platform and pit depressions. They are numerous. Pit depressions are not only located where they were previously recorded by Goodliffe (see Fig.7 in the NZHPT report 1982/3, p.17) at the SW end of the rock outcrop. There are located at the NE end of the top platform and comprise one pit depression within the terrace and 3, possibly more, running along the NW edge. The latter are interesting because they are 3-sided with the fourth side opening towards the down-hill scarp and scoria bluff. From this surface evidence it appears that these pits were built into the side of the platform with the entrance-ways opening down-slope; the depression within the terrace is similar to the surface evidence from other sites which indicates semi-subterranean storage pits. The pit cluster previously recorded by Goodliffe lies c.100m to the SW on a knoll which is separated from the platform by a reasonably large open space (c.20 x 20m). I think there are 12 possibly more pit depressions here. They have been built into the rocky knoll. Once again some appear to have been constructed into the side of the knoll with the entrance-ways facing out down-slope. I have walked among the earthwork and stoneworks within a 250 to 300m radius of the block strainer post which divides Stevenson's, Sutton's and Thorburn's properties. This post is located on the top platform of site R12/278. Together the structures and features identify an extensive habitation complex focused around the rock outcrop and boulder scree. The ruins have suffered extensively from modification over the last 100 or so years. Although the W flats below the rock outcrop (present location of Stevenson's half-round barn) have had the basalt rock bulldozed aside, and the area appears to have been deep disced, it is reasonable to assume that gardening activity and occupation extended across this area. The stoneworks and earthworks on these flats, which at one time were an integral part of the wider Maori historic landscape, have suffered considerable damage. Although no defensive ditches have been recorded to date, the top platform of site R12/278 and some of the surrounding terraces are uniquely placed to take advantage of the steep scoria bluffs. The topography affords natural protection to the site. The saddle which extends E from the rock outcrop would have provided easy access and some form of palisading would have been required to secure the site. The stonework here seems to indicate that an entrance-way may be present. The weakest points of access to the site could have easily been defended by timber palisading. I believe the site is a pa, but because there is no defensive ditch evidence I have called the site a habitation complex. Goodliffe and Albert were of the same opinion (1982:16-21): "One site indicated by a local resident as reportedly a traditional pa was N46- 7/324 (R12/278), on the next prominent ridge to the north of Peach Hill which has been visited to record field evidence during a brief survey in 1981. N46- 7/324 is a basalt cone sitting in regenerating bush...Although this site is now heavily modified through historic period use, and we are not able to find any evidence, either through the memories of residents or on the ground, of earthwork defences, this is a site of a naturally defensive position on a high hill above the escarpment." In the Checklist of Sites (Appendix 1 p.26) the site is identified as a ?pa. (cont. p.2)			

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/278	
NZMS260 map number R12		DATE VISITED 26 June 1989	
NZMS260 map name Pukekohe		SITE TYPE: Stoneworks/Earthworks/Burials	
NZMS260 map edition 1 1980		SITE NAME: MAORI Te Maketu OTHER	
Grid References		Easting 2 6 8 7 3 9 0 Northing 6 4 5 1 2 2 0	
Additional Information Sheet (cont. from p.1) -2- The SW boulder scree has evidence of 1, possibly 2, embanked terraces. These are similar to structures at Waipoua forest, which were identified by Te Roroa as "fighting terraces". Regarding burials Goodliffe and Albert state (1982:16): <i>"The nature of these heaps is uncertain - fossickers have apparently disturbed some, but no human remains were present, and no confirmed artefacts appear to have turned up. All three owners concerned think at least it may be a burial ground, but only Mr Sutton says he's found any remains - leg bones in the rocky sides of the cone..."</i> I have now visited the site on two occasions with kaumatua of Ngai Tai, Ngati Pou and Ngati Tamaoho hapu of Waiohau, Mr. Kani Wawatai and Mr. Barney Kirkwood. The first visit is referenced within my recent report titled, AUCKLAND REGIONAL AUTHORITY FUTURE BULK WATER SUPPLY PHASE 4 BACKGROUND REPORT NO. 5.5 - PRELIMINARY ARCHAEOLOGICAL SURVEY OF PROPOSED SCHEMES (1989:109). The report states: <i>"During our visit Mr K. Wawatai identified a boulder scree area where koiwi (bones) were accidentally uncovered when a tree was being cut...The site is currently split between three properties. The western area has been informally reserved by Stevenson's Quarry and will not be subject to modification (pers. comm. Mr. J. Holgate, Quarry Manager). The south-eastern section has always been respected as an important Maori site by the Thorburn family (pers. comm. Mr W. Thorburn) but some stonework has been shifted recently by fossickers."</i> Mr. Wawatai has since informed me that this informal reservation dates to the late 1940's, possibly around 1947. Since this time the whole rock outcrop area, especially that covered in bush, has been considered wahi tapu by Waiohau. This information is confirmed by the submissions to the A.R.A. and they are contained within the Peach Hill Landfill Environmental Assessment Report (1989:8-8, point 8.11): <i>"Te Maketu is a wahi tapu. Stevenson's Quarry have respected the older Maketu Pa (R12/278) as such, and after consultation with the late Ted Kirkwood and Mr Kani Wawatai (living today in Papakura) they have agreed that it will never be quarried."</i> Reading further down the page, the report states: <i>"We the Tangatawhenua believe the proposed refuse site is the grounds of an ancient cultivation area. We believe too, that in all probability that dwellings were also there"</i> (ibid:8-9). From this information it is reasonable to conclude that Tangatawhenua recognise site R12/278 as an ancient occupation site surrounded by gardens. The wahi tapu status of this historic area has come about, not only because of the fact that it is an old place of residence, but also because koiwi have been located here in more recent times. I have recently had occasion to talk with Mr. Ned Sutton, the landholder of the NE quadrant of site R12/278. He said that many human bones have been seen among the stonework and terraces. These include rib fragments and leg bones of adults and children. They have been observed to be in a poor condition and some of the ends appear to have been broken. The bones were generally scattered about but some were located under large rocks and boulders. He further suggested that some bones have been removed by fossickers who have also had a significant impact on the stonework. When he first saw the area c.35 years ago the stonework was very well preserved with many of the embankment retaining walls being waste high on a tall man (c.1.5m). At this time the pathways through the terraces were very easy to see; everything was quite orderly. Mr. Sutton has further suggested that a lot of the destruction of the stonework has occurred because of Pakeha oral traditions that record the loss of a 1860's pay wagon in the vicinity. The stonework has been pulled apart by those looking for the gold sovereigns that the wagon was said to contain. Stories of Maori burial caves containing quantities of artefacts and taonga have probably furthered the despoilment of the structures. I have recently recorded additional koiwi below the platform on Bill Thorburn's property (see number 35 below). (cont.p.3)			

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/278	
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980		DATE VISITED 26 June 1989 SITE TYPE: Stoneworks/Earthworks/Burials SITE NAME: MAORI Te Maketu OTHER	
Grid References		Easting 2, 6 8 7 3 9, 0	Northing 6, 4 5 1 2 2, 0
Additional Information Sheet (cont. from p.2)			
-3-			
The following were observed while carrying out the reconnaissance survey. The numbers below refer to specific points around the volcanic rock outcrop and they are located on the attached contour plan (from N to S):			
(1) The grassed paddock appears to have been cleared of surface volcanic rock. There is a track/channel feature which more than likely is part of recent farming activities. Past land development in this area requires assessment.			
(2) A gravelled farm track cuts through the NW corner of the boulder scree. There is an infestation of "kerosine plant" here which intrudes into the "reserve".			
(3) 7m N from the "reserve" boundary fence at the top of the slope, and 15m at the bottom, is a second channel feature running down the hill for c.70m. It is near shovel width and may have been dug to facilitate drainage of surface water into the reservoir below. Confirmation that this feature (and the one described above) is related to modern farming practices is required.			
(4) The bush comprises a 15 to 20m high canopy of tree fern, a few nikau, kawakawa, puriri, taraire and possible kohekohe. There are a few low large 4 x 4m boulders and large rocks. There are some terrace-like features but these appear to be related to slope-angle and the natural accretion of rocks.			
(5) and (6) There appear to be cleared areas, possible terraces, although no well formed stone structures were observed.			
(7) Large areas of the volcanic rock and boulder scree have been bulldozed aside. Presently there is a 20 x 30m partly filled 'pit' with a 15m long causeway running out into the middle from the S end. The hole appears to have been used for the disposal of waste products which have been covered over with dirt. The soft mud has trapped 20 sheep; their carcasses remain exposed and rotting on the surface. Further to the S there may be the location of a second disposal pit but this has now been covered over and the ground surface smoothed out.			
(8) Three possible terraces, each measuring roughly 30 x 30m. These would have been ideal gardens, having a N aspect, rich volcanic soil, and warm growing conditions.			
(9) A large (110 x 50m) natural terrace apparently cleared of rocks. An ideal garden site.			
(10) The N-S boundary fence between Ned Sutton's and Stevenson's Quarry is probably 6 - 8 years old. The vegetation on either side of the fence indicates that each quadrant has suffered from different degrees of modification in the past. The stone and earthwork features, and vegetation, within Sutton's property is better preserved.			
(11) The boulder scree is dense here but an infestation of "kerosine plant" masks that ground surface.			
(12) Along side the fenceline there is a NE-SW aligned ridge covered in large boulders and rocks. There are a number of stoneworks here including what appears to be a stone clearance pile; rocks have been placed across the surface of three large boulders. Alternatively they may indicate a collapsed ruin. (cont.p.4)			

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

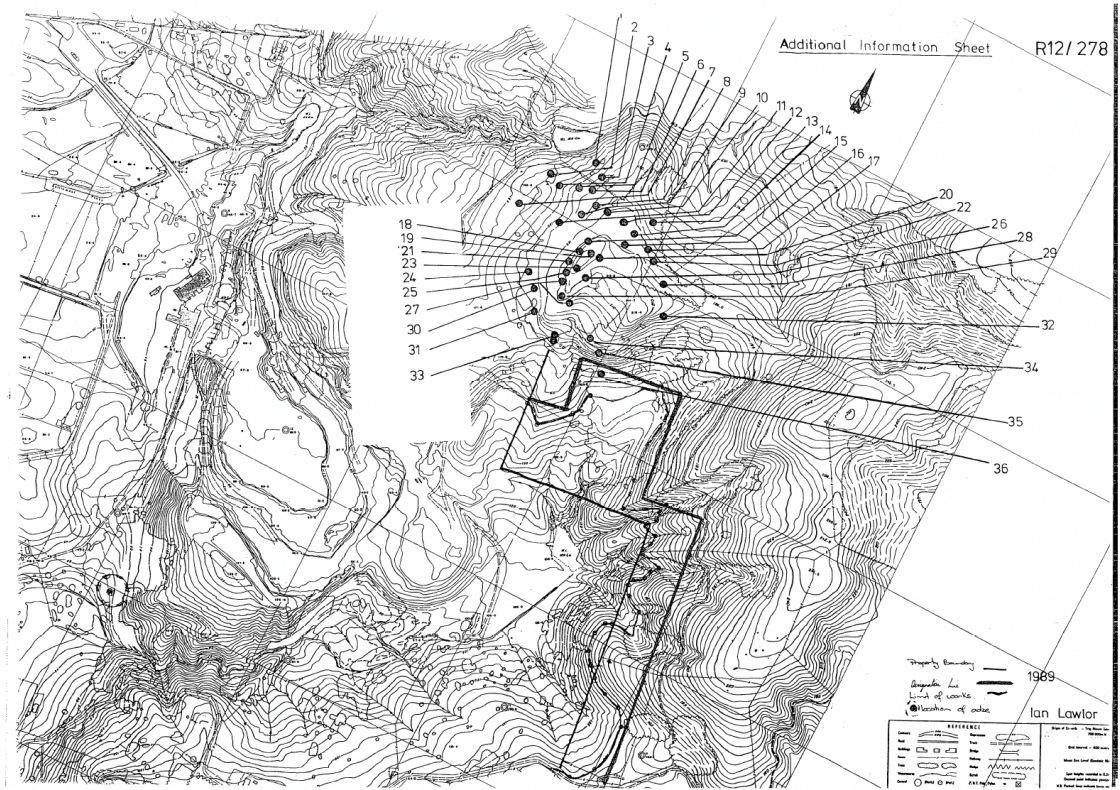
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/278 DATE VISITED 26 June 1989 SITE TYPE: Stoneworks/ Earthworks/ Burials SITE NAME: MAORI Te Maketu OTHER	
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980			
Grid References Easting <u>2 6 8 7 3 9 0</u> Northing <u>6 4 5 1 2 2 0</u>			
Additional Information Sheet (cont. from p.3) - 4 -			
(13) An area of relatively open vegetation with much stonework including embankments and alignments. They appear to be reasonably formal and demarcate terraces, some being small enough for 5 x 5m houses. Some of the stonework is in a fair condition being 3 courses high (60 - 70cm). The gully here is the natural boundary between the volcanic and clay soils. (14) A channel runs down the NE facing slope. It is 50 - 70cm deep and 1.5m across. Stonework can be seen on either side. (15) A 3 x 2m rectangular pit depression. Most likely a rua kumara. (16) An area of ruins. Stonework includes a stone-ringed heap (3 x 2.5m) and alignments. (17) Stoneworks among boulder and rock outcrops including embankments and alignments. There are thin long terraces across the ridge behind the embankments. (18) Here, the three blocks belonging to Stevenson's Quarry, Ned Sutton and Bill Thorburn meet. On the NW edge of the top platform are 3, possibly more, U-shaped depressions. They may be natural erosion features but when they are compared with other adjacent pit depressions (see (29) below) I think it is likely that they are remnants of rua kumara cut into the hillside. (19) Stonework including alignments, heaps, rows and a possible collapsed low wall 2 or 3 courses high. They define cleared spaces (rock free areas) and possible house sites. At one place there is an L-shaped row. Some modification has occurred across the surface, especially by the fence where rocks have been placed along the base to stop stock from getting through; the latter is especially the case along the boundary between Thorburn's and Stevenson's where the ground is slightly steeper and the fence cuts through the terraces. (20) Stonework here is a lot more formal. There are 2, possibly 3, levels of terraces. Some of the stonework may identify an entrance-way into the habitation complex; possible palisade lines and a gate. (21) At the SW end of the top platform there is the remains of an embankment, a 3m wide terrace and another embankment. The terrace is c.15m long and has a SW aspect. Out towards the NW there is a steep drop and boulder scree. (22) Stonework includes heaps and rows. A butt-end and head remnant of a ?puriri indicate vegetation modification. (23) Stone ruins comprising low rows possibly identifying an entrance-way into the complex. Terraces are present. (24) An area of extensive subsurface bulldozing; rocks have been scooped into rows by the machine. There are stone alignments close to free-standing boulders, and a stump and head remnant of a ?puriri indicate tree cutting.			
(cont. p.5)			

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/278	
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980		DATE VISITED 26 June 1989 SITE TYPE: Stoneworks/ Earthworks/ Burials SITE NAME: MAORI OTHER Te Maketu	
Grid References		Easting 2 6 8 7 3 9 0 Northing 6 4 5 1 2 2 0	
Additional Information Sheet (cont. from p.4)			
-5-			
(25) A steep (c.50m high) scarp is covered in large boulders and rock scree. On the top edge of the scarp is a well preserved remnant of a stone retaining wall 3 to 4 courses high. There are terraces and indications that stonework was also present along their edges, but these are now in a ruined state with severe erosion having occurred. It seems likely that much of the occupation evidence has been washed off the terraces and down the scree slopes below. (26) The vegetation is more open with tall kanuka present. This appears to be another edge to the clay and volcanic soils. Stonework includes embankments along the front of terraces. The tall (12m) and thick-stemmed (30cm) kanuka probably represents a very old regeneration cycle associated with Maori gardening activities. (27) Terraces and stone embankments on the steep boulder covered scarp. These features remind me of the "fighting terraces" identified by Te Roroa in Waipoua forest at the site called Te Kopae. (28) An area of Taraire and Puriri bush with an old N-S aligned fence. (29) A promontory with at least 12 pit depressions. These are most likely rua kumara and together they represent the major food store area for the habitation complex. The pits appear to have been semi-subterranean structures. They were built into the sides of the knoll around boulders. Some appear to have been 3-sided with the opening pointing out down-slope. Below the top of the knoll there are at least 2 terraces with 4, possibly more, pit depressions. (30) An extensive flat measuring c.300 x 100m. Stonework includes heaps, alignments and cleared areas which possibly identify pathways. On the periphery bulldozing has occurred and there is evidence of tracks having been cleared by the machines. Some rocks overlie a large boulder and low embankments form rough terraces. (31) A relatively clear area with a puriri stump and head remnant. Hear in the late 1940's (?1947) when kaumatua Kani Wawatai was cutting timber bones were exposed. It was at this time that negotiations were held between tangata whenua and Stevenson's Quarry Management and it was decided to leave this entire area as a wahi tapu reserve. The status of the reserve is that it is a verbal agreement between tangata whenua and Stevenson's. (grid.ref. E2687330 N6451110) (32) A track bulldozed by Murray-North to provide access for a drilling rig. On the up-hill side there is a long bank exposing a 50cm deep deposit of red volcanic loam. The soil is free from from and ideal for gardening purposes. (33) A small (5 x 3m) terrace cleared of stones. Down-slope there is a stone embankment and another larger terrace (10 x 2.5m) which extends through the fence into Stevenson's property. The small terrace is a likely house site. (34) Reported shell midden. When Mr. Thorburn was a young boy he observed shells in the root-ball of a fallen tree. No evidence was found during a brief inspection.			
(cont.p.6)			

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/278	
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980		DATE VISITED 26 June 1989 SITE TYPE: Stoneworks/ Earthworks/ Burials SITE NAME: MAORI Te Maketu OTHER	
Grid References		Easting 2 6 8 7 3 9 0	Northing 6 4 5 1 2 2 0
Additional Information Sheet (cont. from p.5) -6-			
(35) Within one of the numerous crevices was observed 2 very weathered human long bones (?femur) and a small ?rib fragment. When the bones were found I ceased surveying. It seems likely that the bluff contains other human remains. Goodliffe and Albert (1982) have recorded that Ned Sutton has observed many human bones in the northern part of the stone and earthworks. This was confirmed in a telephone conversation. (36) Below the volcanic rock bluff is a boulder scree. There are possible channel features running down the slope from springs. A karaka tree most likely provided food reserves. I think there are other stoneworks here but so much disturbance has occurred with stock grazing; Mr. Thorburn informed me that he has not drained the seepages because they provide water for the stock throughout the year. Rather than give any of these newly observed earthwork features and stonework structures and finds a new NZAA site number I have chosen to include them within R12/278. The volcanic soils, so obviously the focus of settlement and occupation, are the "canvas" upon which the archaeological evidence is found, and has therefore been used to define the site area in this instance. Supporting evidence includes a kanuka stand, indicating regenerating vegetation and possible old garden site, and various tree species which would have produced food crops. The springs and fresh water seepages exiting from beneath the boulder outcrops and scree areas would have provided suitable places for taro cultivation. I believe the site is unique because of the archaeological evidence and the vegetation cover; much can be learnt from the data about Maori use and impact on this landscape. Although the stonework has suffered much from fossicking and farming, when the remains are compared with those on adjacent volcanic outcrops (eg. Peach Hill - R12/67), they appear well preserved. The site and surrounding area would score high when such values as integrity and setting are considered. The fact that there is a reasonably long association between the site and the local Maori community (in more modern times dating from the late 1940's), adds to the importance of this historic place. Stevenson's Quarry management have a verbal agreement with Kaumatua Kani Wawatai to reserve the area from quarrying. The site is wahi tapu. Recommendation: (1) That every effort should be made to reserve the entire area located on the three properties of Stevenson's, Thorburn's and Sutton's. (2) Legal reserve status must be found for the entire area. Only when this is achieved will the preservation of this site be assured; and (3) The Waiohua hapu (see Peach Hill EIA, Appendix T; Ngai Tai, Ngati Tamaho, Ngati Pou and Waiohua) must be completely involved. Ian Lawlor Taiapa Road R.D. 1 WAIMAUKU.			



NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)

NZMS 260 map number: R12
NZMS 260 map name: PUKEKOHE
NZMS 260 map edition: Edition 1 1980

CHI COMPUTER NUMBER: 2461324 10206

NZAA METRIC SITE NUMBER: R12 /278

DATE VISITED: 26 Jun 1989; 29 May 2002
SITE TYPE: BURIALS/ STONEWORK/
EARTHWORKS/ PA
SITE NAME: Karearea; Te Maketu; Ballards Road
Cone

Grid References: Easting: 2687362 Northing: 6451144

Additional Information Sheet

State and Condition

NZAA Condition: partly damaged, continuing minor damage
(2002) Stonework on main Tihi area is mostly in a collapsed condition, the stone heaps to the east of the tihi area may be a modification by stone-scavengers. Many pits are still well defined on the tihi, but terrace areas in surrounding stone field are indistinct and difficult to interpret. Ko-iwi are still present.

Additional information by Vanessa Tanner 2002. Site is in average condition. A number of stone features appear to have been disturbed. Stones have been moved to clear paddocks and for fencing. Stock have been through the area. The site is reported to have been fossicked. The site crosses the boundary of three properties. The site is in a different condition on each of these properties. The most well preserved part of the site lies within the Stevensons Quarry boundary. The part of the site in the Thorburn property has been cleared of rock for the purpose of farming.

Additional Information

Additional information May 2002 by Matt Felgate, Greg Walter, Vanessa Tanner. A number of features were relocated using uncorrected GPS, with accuracy varying between 32m and 5m. The approximate extents of the tihi are shown on the PDC GIS, with a second line being the approximate extent of the wider archaeological site including a reported burial site and some terrace features and stone fields likely to be of archaeological value. This line was not extended to the east of the site as access was denied to the Thorburn property. There are myriad stone working features on the higher portions of the Pa which deserve detailed recording; a major task. The manager of Stevenson's noted that they would like to extend quarrying within the extents line in the southern part of the site. The Southern margins are thus under threat. Remaining formal stonework on the pa is in a relatively fragile condition and deserves detailed recording and monitoring, for example by photogrammetric methods or scanning theodolite, as the nature of the collapsed stonework makes virtual reconstruction feasible in some areas of the site, and the fragility of the dry stone walling makes destruction by careless visitors an ever-present threat. A single long bone, probably human, was seen on the Sutton property, and replaced in the rock crevice from which it had been dislodged by animal activity. Note that the lines recorded in the present relocation exercise result from a brief walk-over visit and do not constitute a formal assessment of archaeological values. Nearby sites on Thorburn and Stevenson's properties suggest a relatively intensive use of the landscape in this area, and extensive bulldozing in the past may have buried significant archaeological features in the general vicinity. A detailed assessment of archaeological values would be required in addition to the current exercise in the event of a proposed change in land use. The site crosses the boundary of three properties. The site is in a different condition on each of these properties. The most well preserved part of the site lies within the Stevensons Quarry boundary. The part of the site in the Thorburn property has been cleared of rock for the purpose of farming.

ARC Monitoring Network:

Yes

Photographs
ARC CHI

FILE

Vanessa Tanner

05 APR 2004

SITE RECORD FORM (NZMS260)NZAA METRIC SITE
NUMBER:

R12 / 278

NZMS 260 map number:

R12

DATE VISITED:

26 Jun 1989; 29 May 2002

NZMS 260 map name:

PUKEKOHE

SITE TYPE:

BURIALS/ STONEWORK/ EARTHWORKS

NZMS 260 map edition:

Edition 1 1980

SITE NAME:

Karearea; Te Maketu; Ballards Road Cone

Grid References:**Easting:**

2687362

Northing:

6451144

1. Aids to relocation of site (attach a sketch map):

N46/324

Ballard's Road Cone; Stevensons Quarry; Ramarama; Papakura District

2. State of Site and possible future damage:

NZAA Condition: partly damaged, continuing minor damage (2002) Stonework on main Tihi area is mostly in a collapsed condition, the stone heaps to the east of the tihi area may be a modification by stone-scavengers. Many pits are still well defined on the tihi, but terrace areas in surrounding stone field are indistinct and difficult to interpret. Ko-iwi are still present. Additional information by Vanessa Tanner 2002. Site is in average condition. A number of stone features appear to have been disturbed. Stones have been moved to clear paddocks and for fencing. Stock have been through the area. The site is reported to have been fossicked. The site crosses the boundary of three properties. The site is in a different condition on each of these properties. The most well preserved part of the site lies within the Stevensons Quarry boundary. The part of the site in the Thorburn property has been cleared of rock for the purpose of farming.

3. Description of site (Supply full details, history, local environment, references, sketches, etc. If extra sheets are attached include a summary here)

Located 3.6km northeast of Ramarama on a bush covered weathered volcanic outcrop. Stoneworks very old ruins, comprising alignments, heaps, rows and low walls. Earthworks include terraces, a tihi and pit depressions. Koiwi (bones) found at various parts of the site; now the whole site is considered wahi tapu by the Waiohau.

Additional Notes

1. Additional information May 2002 by Matt Felgate, Greg Walter, Vanessa Tanner. A number of features were relocated using uncorrected GPS, with accuracy varying between 32m and 5m. The approximate extents of the tihi are shown on the PDC GIS, with a second line being the approximate extent of the wider archaeological site including a reported burial site and some terrace features and stone fields likely to be of archaeological value. This line was not extended to the east of the site as access was denied to the Thorburn property. There are myriad stone working features on the higher portions of the Pa which deserve detailed recording; a major task. The manager of Stevenson's noted that they would like to extend quarrying within the extents line in the southern part of the site. The Southern margins are thus under threat. Remaining formal stonework on the pa is in a relatively fragile condition and deserves detailed recording and monitoring, for example by photogrammetric methods or scanning theodolite, as the nature of the collapsed stonework makes virtual reconstruction feasible in some areas of the site, and the fragility of the dry stone walling makes destruction by careless visitors an ever-present threat. A single long bone, probably human, was seen on the Sutton property, and replaced in the rock crevice from which it had been dislodged by animal activity. Note that the lines recorded in the present relocation exercise result from a brief walk-over visit and do not constitute a formal assessment of archaeological values. Nearby sites on Thorburn and Stevenson's properties suggest a relatively intensive use of the landscape in this area, and extensive bulldozing in the past may have buried significant archaeological features in the general vicinity. A detailed assessment of archaeological values would be required in addition to the current exercise in the event of a proposed change in land use.

4. Owner: Stevenson's W.A (Drury Quarry)**Tenant/Manager:****Address:** Ballards Road, Ramarama**Address:****5. Nature of Information (hearsay, brief or extended visit, etc.)****Aerial Photographs (reference numbers, and clarity of site)****Photographs (reference numbers, and where they are held)** ARC CHI

6. Reported by: Susan Bulmer;
Leslie Goodliffe;
Ian Lawlor;
Matt Felgate

1980
9 Sep 1981
26 Jun 1989
2002

Filekeeper:**Date:** 1989**Address:****7. Keywords:** BURIAL; KOIWI (BONES); STONEWORK; PITS; TERRACES; TIHI; WAHI TAPU; EARTHWORKS;

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION
SITE RECORD FORM (NZMS260)

NZMS 260 map number: R12
NZMS 260 map name: PUKEKOHE
NZMS 260 map edition: Edition 1 1980

CHI COMPUTER NUMBER:

10206

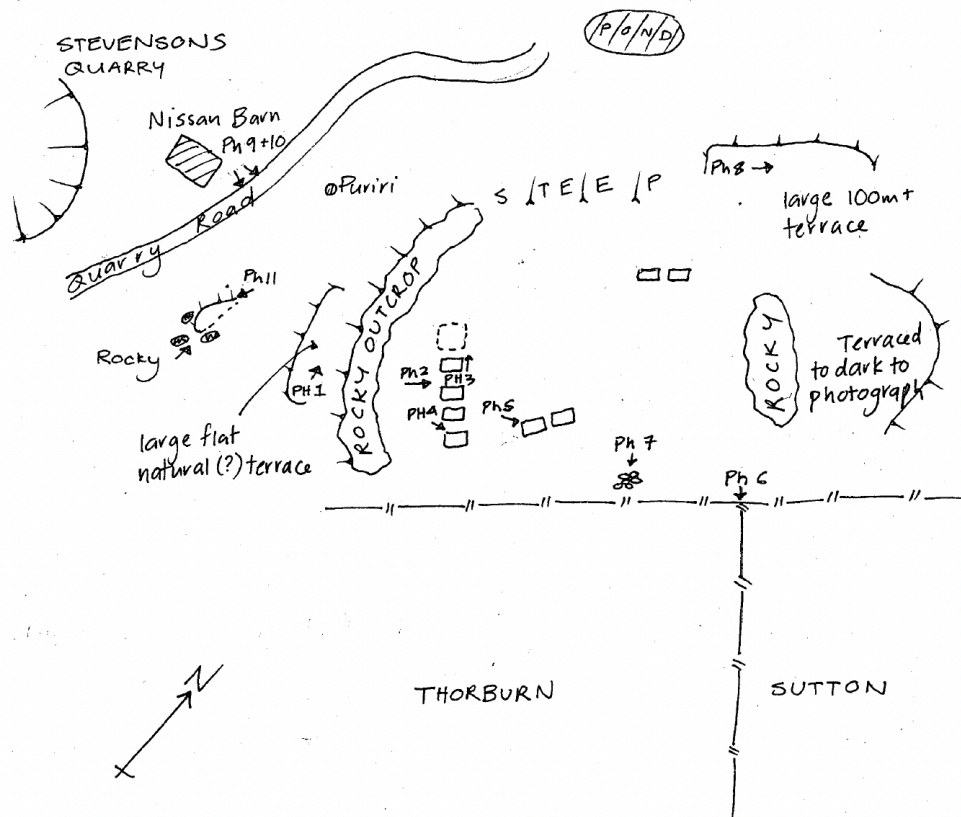
NZAA METRIC SITE NUMBER: R12 /278

DATE VISITED: 28 May 2002
SITE TYPE: BURIALS/ STONEWORK/
EARTHWORKS
SITE NAME: Karearea; Te Maketu

Grid References: Easting: 2687408 Northing: 6451128

Additional Information Sheet

SKETCH ILLUSTRATING LOCATION OF PHOTOPPOINTS



Rough, not to scale, for detail of features refer to previous SRF map.

Vanessa Tanner 29/5/02.

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

R12/278

29/5/02 Photopoint description

PP1Desc Photopoint 1: Looking north along a large flat, natural terrace at the base of the rocky outcrop on the western side of the site.
Photopoint 2: Feature photograph, looking east across the group of pits at the top of the rocky outcrop.
Photopoint 3: Looking northwest over a pit towards the area where the fighting platforms are recorded.
Photopoint 4: Feature photograph of the southern pit in the line of pits at the top of the rocky outcrop. Taken from the second to south-most in the row.
Photopoint 5: Photograph taken looking east along two pits running northeast/southwest approximately 10m northeast of the line of pits at the top of the rocky outcrop.
Photopoint 6: Looking southeast along boundary fence of the Sutton (left)/ Thorburn (right) properties to illustrate the difference in the condition of the site on each property.
Photopoint 7: Looking southeast (again to Thorburns property) stone mound in the foreground, stones cleared and piled up for fenceing and paddock clearence in the mid-ground.
Photopoint 8: Looking northeast along one of the large 100m+ long terraces on the northern side of the site.
Photopoint 9 and 10: Panorama. Looking at site from the west, standing infront of the nissan barn on the western side of the quarry road.
Photopoint 11: looking south towards a small terrace (middle) above the quarry road on the western end of the site.

PP1Sketch Y

PP2Peg No

PP2Desc See sketch map

Photographer Vanessa Tanner

DateEstablished 29 May 2002

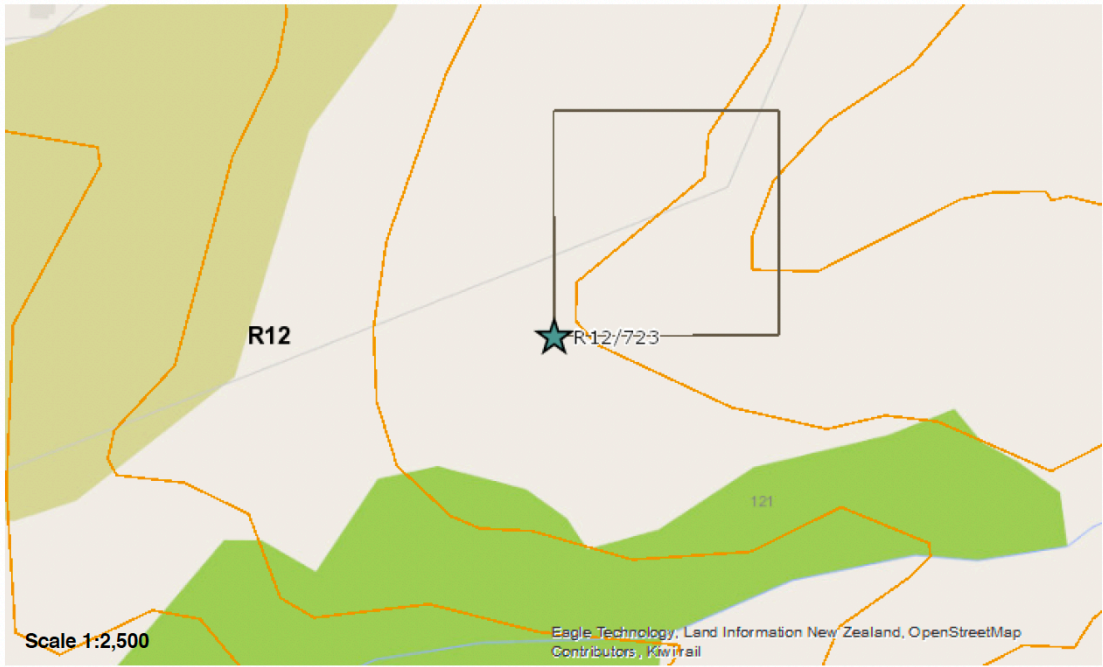
SiteID 10206

AutoNumber 1

DateCreated June 12, 2002

DateModified June 21, 2002

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

 ARCHSITE archaeological site recording scheme Site Record Form	NZAA SITE NUMBER: R12/723 SITE TYPE: Pit/Terrace SITE NAME(s): DATE RECORDED:
SITE COORDINATES (NZTM) Easting: 1776554 Northing: 5889821 Source: CINZAS	
IMPERIAL SITE NUMBER: METRIC SITE NUMBER: R12/723	
	
Finding aids to the location of the site	
Brief description PITS/TCE/STONEWK	
Recorded features	
Other sites associated with this site	

Supporting documentation held in ArchSite



R12/723. 29 May 2002. Looking from the north downslope to the site.

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION
SITE RECORD FORM (NZMS260)

NZMS 260 map number R12
NZMS 260 map name PUKEKOHE
NZMS 260 map edition Edition 1 1980

CHI COMPUTER NUMBER

8129

NZAA METRIC SITE NUMBER. R12 /723

DATE VISITED: 1989, 29 May 2002

SITE TYPE: PITS/ TERRACE/ STONEWORK

SITE NAME:

Grid References: Easting. 2686949 Northing: 6451487

Additional Information Sheet

State and Condition

NZAA Condition partly damaged, no information on danger

(2002) indistinct, in vicinity of bulldozed farm track, in sheep pasture

Additional information by Vanessa Tanner 2002 It is fairly difficult to interpret this site All features appear vague and questionable A bulldozed farm track has been put through immediately behind the features and stones have been cleared to either side of it in the process The site is subject to continued stock erosion and farming practice

Additional Information

Additional information May 2002 by Matt Felgate, Greg Walter, Vanessa Tanner Uncertain whether the observed features were those recorded by Lawlor A pair of indistinct pit-like features with some boulders around on the spur at this grid reference, with the other more northerly features of R12/723 not relocated

Additional information by Vanessa Tanner 2002 Difficult to interpret the features recorded on the 1989 SRF The surface evidence of this site is very vague and consists of two vague depressions and a possible terrace

ARC Monitoring Network:

Yes

Photographs

ARC CHI

FILE

Vanessa Tanner

05 APR 2004

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/723													
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980		DATE VISITED 26 June 1989 SITE TYPE: Pits/Stonework/Terrace SITE NAME: MAORI OTHER													
Grid References Easting <u>2 6 8 6 9 8 0</u> Northing <u>6 4 5 1 5 4 0</u>															
1. Aids to relocation of site (attach a sketch) c 3.5 km NE of the Ramarama P.O. on a flat knoll below a low ridge with basalt rocks and boulders exposed															
2. State of site and possible future damage Bulldozing has been extensive (tracking and rock clearing)															
3. Description of site <i>(Supply full details, history, local environment, references, sketches etc. If extra sheets are attached, include a summary here)</i> On a ridge 500m to the NW of site R12/278 are more basalt rock and boulder scree. Farm tracks have been bulldozed through them and around the sides. It is also possible that considerable rock clearing and discing operations have taken place. On a flat knoll 150m down from the high point on the ridge there are 2 pit depressions (c 3 x 3m). Their position and form suggests they are rua kumara. On the N side of the ridge there is a boulder scree where a ring bordered stone heap was observed on a small (4 x 4m) terrace. To the N of these structures and features there appears to be a boundary fence with a corner strainer post similar in age and timber to the one on R12/278. Across the fence is a dense boulder scree covered in gorse. There appears to be additional stonework here.															
4. Owner W. Stevenson & Son Ltd Address Fitzgerald Road DRURY (Ph PAK-294-8311)		Tenant/Manager Farm Manager Address RAMARAMA (Ph PAK-294-8950)													
5. Nature of information <i>(hearsay, brief or extended visit, etc.)</i> brief inspection Photographs <i>(reference numbers, and where they are held)</i> _____ Aerial photographs <i>(reference numbers, and clarity of site)</i> _____															
6. Reported by Ian Lawlor Address ARA Private Bag AUCKLAND		Filekeeper B Sewell Date 11 JUL 1989													
7. Keywords PITS STONEWORK HEAP TERRACE															
8. New Zealand Register of Archaeological Sites (for office use) NZHPT Site Field Code															
Latitude S <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>0</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>A</td><td>I</td></tr> </table>		A	0	-	-	A	I	Longitude E <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>B</td><td>0</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>B</td><td>U</td></tr> </table>		B	0	-	-	B	U
A	0														
-	-														
A	I														
B	0														
-	-														
B	U														
Type of site		Present condition and future danger of destruction													
Local environment today		Security code													
Land classification		Local body													

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION
SITE RECORD FORM (NZMS260)

NZMS 260 map number: R12
 NZMS 260 map name: PUKEKOHE
 NZMS 260 map edition: Edition 1 1980

CHI COMPUTER NUMBER

8129

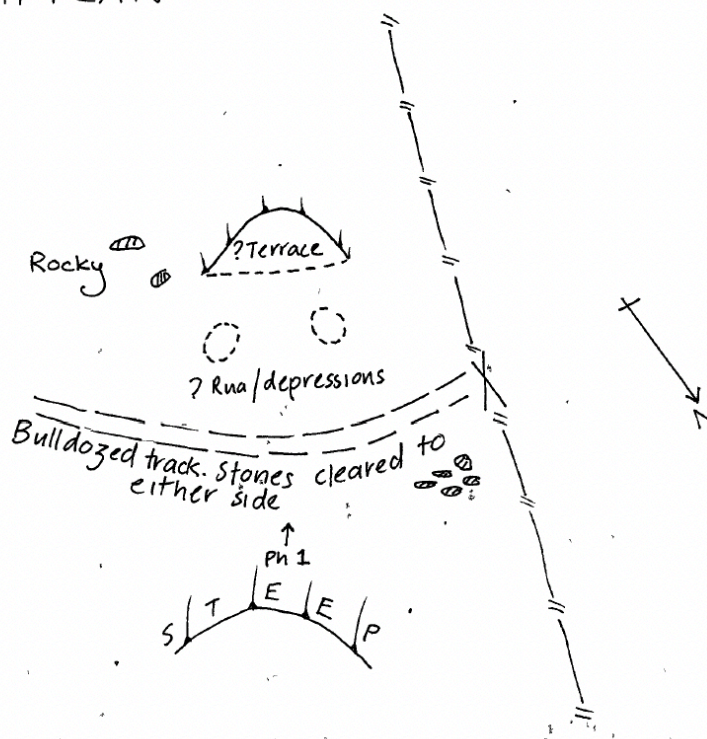
NZAA METRIC SITE NUMBER: R12 /723

DATE VISITED: 1989, 29 May 2002
 SITE TYPE: PITS/ TERRACE/ STONEWORK
 SITE NAME:

Grid References: Easting: 2686949 Northing: 6451487

Additional Information Sheet

SKETCH PLAN



Not to scale

29 May 2002

Vanessa Tanner

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

CHI COMPUTER NUMBER

8129

SITE RECORD FORM (NZMS260)

NZAA METRIC SITE NUMBER.

R12 / 723

NZMS 260 map number

R12

DATE VISITED

1989, 29 May 2002

NZMS 260 map name

PUKEKOHE

SITE TYPE

PITS/ TERRACE/ STONEWORK

NZMS 260 map edition

Edition 1 1980

SITE NAME

Grid References:

Easting.

2686938

Northings.

6451487

1. Aids to relocation of site (attach a sketch map):

Ramarama, Papakura

2. State of Site and possible future damage

NZAA Condition partly damaged, no information on danger (2002) indistinct, in vicinity of bulldozed farm track, In sheep pasture Additional information by Vanessa Tanner 2002 It is fairly difficult to interpret this site All features appear vague and questionable A bulldozed farm track has been put through immediately behind the features and stones have been cleared to either side of it in the process The site is subject to continued stock erosion and farming practice

3 Description of site (Supply full details, history, local environment, references, sketches, etc. If extra sheets are attached include a summary here)

Located 3.53 km NE from Ramarama Post Office Two pit depressions c 3m x 3m occur on a flat knoll and could be kumara rua On the north side of this ridge there is a ring bordered stone heap site on a small terrace c 4m x 4m Additional stonework occurs further north across a fence to a dense boulder scree covered in gorse

Additional Notes

1 Additional information May 2002 by Matt Felgate, Greg Walter, Vanessa Tanner Uncertain whether the observed features were those recorded by Lawlor A pair of indistinct pit-like features with some boulders around on the spur at this grid reference, with the other more northerly features of R12/723 not relocated

2 Additional information by Vanessa Tanner 2002 Difficult to interpret the features recorded on the 1989 SRF The surface evidence of this site is very vague and consists of two vague depressions and a possible terrace

4. Owner.

W Stevenson and Sons Ltd

Tenant/Manager

Address:

Fitzgerald Road, Drury

Address:

5 Nature of Information (hearsay, brief or extended visit, etc.)

Aerial Photographs (reference numbers, and clarity of site)

Photographs (reference numbers, and where they are held) ARC CHI

6 Reported by

Ian Lawlor,
Matt Felgate

1989
2002

Filekeeper:

Date: 1989

Address:

7 Keywords: PITS, TERRACE, STONEWORK, HEAP

8 New Zealand Register of Archaeological Sites (for office use)

NZHT Site Field Code

Latitude S

AO

Type of site

—

Local environment today

AI

Land classification

Longitude E

BD

Present condition and future danger of destruction

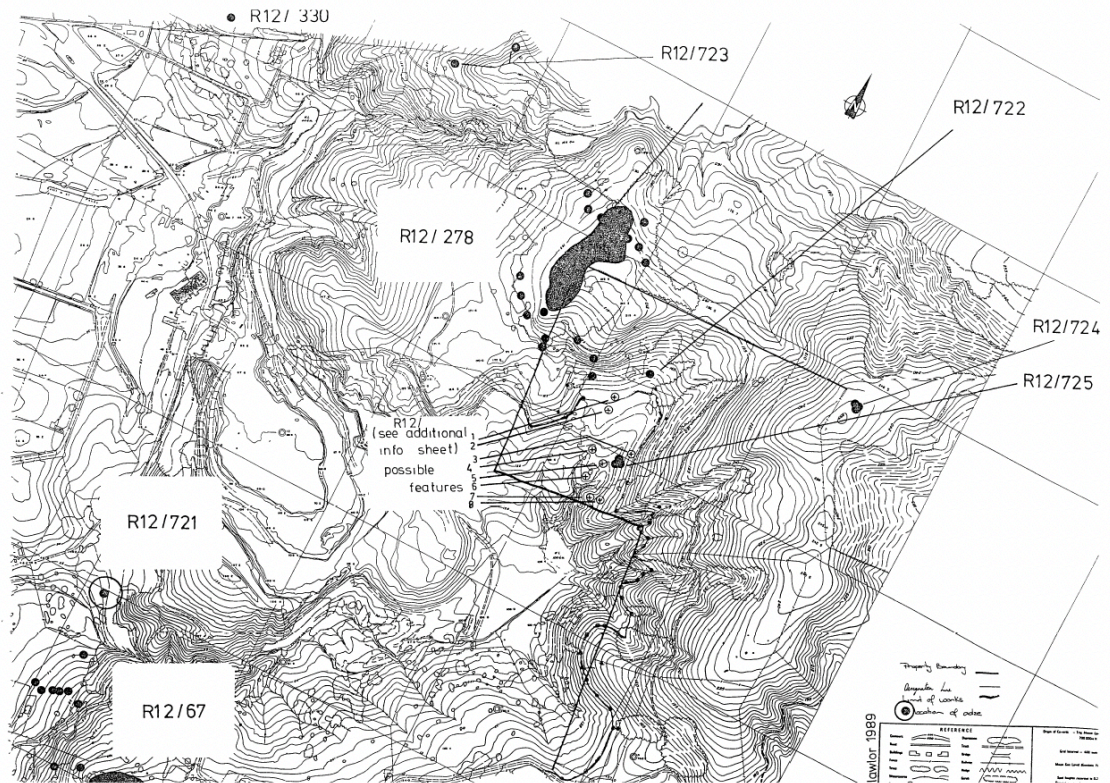
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Security code

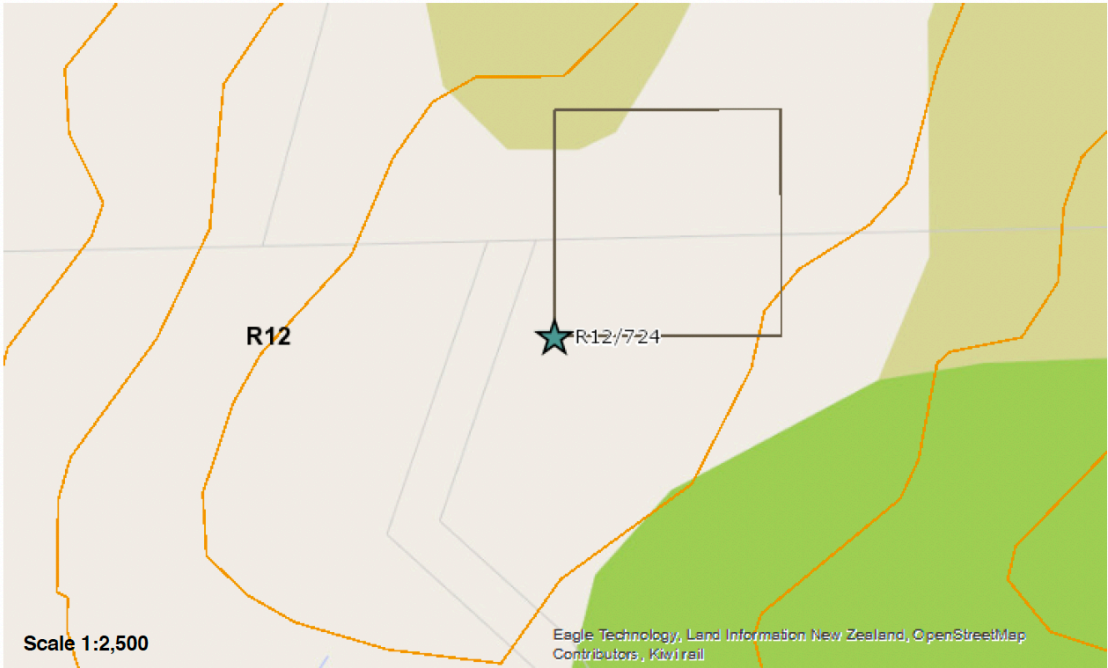
MO

Local body

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION



NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

 ARCHSITE archaeological site recording scheme Site Record Form	NZAA SITE NUMBER: R12/724 SITE TYPE: Historic - domestic SITE NAME(s): DATE RECORDED:
SITE COORDINATES (NZTM) Easting: 1777725 Northing: 5889543 Source: CINZAS	
IMPERIAL SITE NUMBER: METRIC SITE NUMBER: R12/724	
 Scale 1:2,500 Eagle Technology, Land Information New Zealand, OpenStreetMap Contributors, Kaitiaki	
Finding aids to the location of the site n/a	
Brief description Historic farmstead	
Recorded features Building - homestead	
Other sites associated with this site	

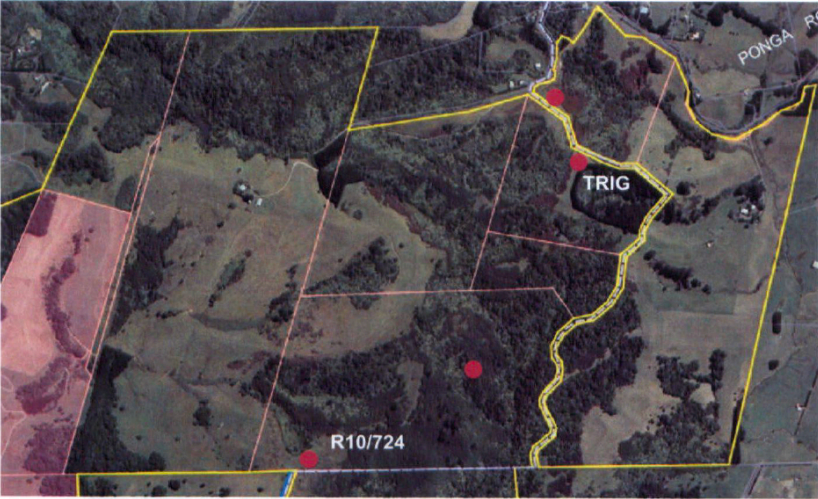
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

SITE RECORD HISTORY	NZAA SITE NUMBER: R12/724
Site description Updated 11/05/2022 (Field visit), submitted by rodclough , visited 20/04/2022 by Tatton, Kim Grid reference (E1777748 / N5889595) As previously described this site comprises of a series of amorphous surface features in proximity to a group of totara trees, which Foster previously identified as the remains of a structure built by the Sutton family to load tea tree firewood on to carts. The long channel feature and likely 'stone paving' is associated with an old fence line. This is a 20th century domestic and farming site. Condition of the site	

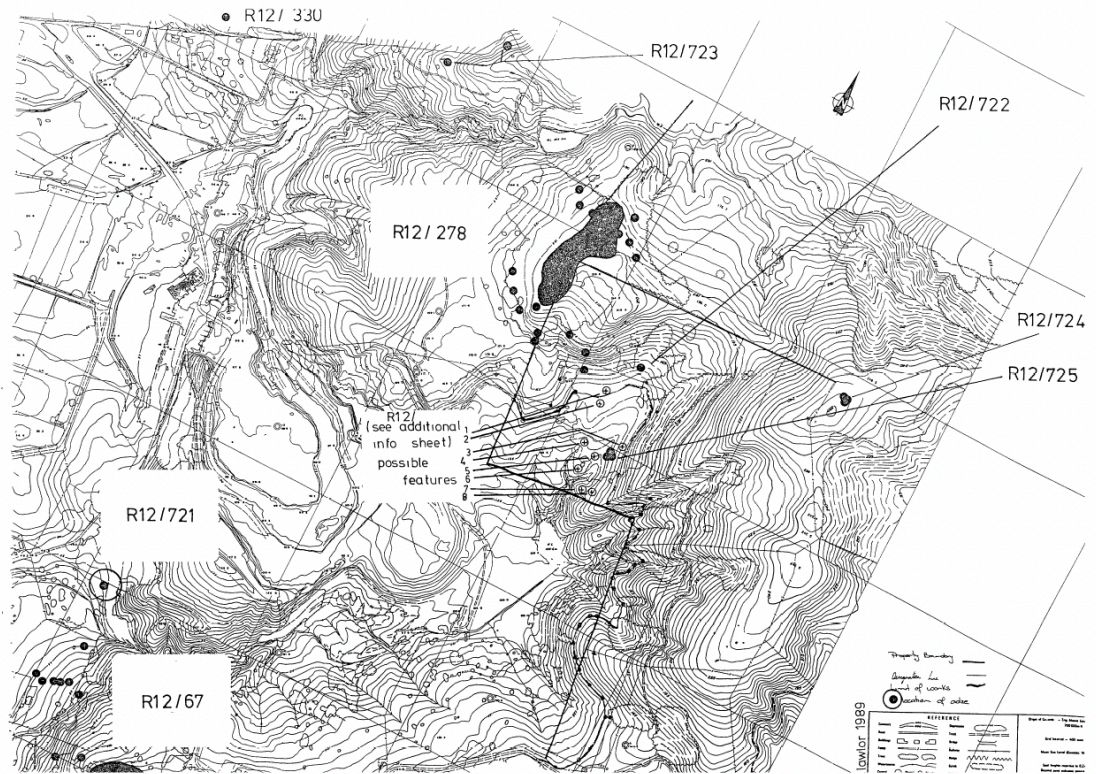
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

SITE RECORD INVENTORY	NZAA SITE NUMBER: R12/724
-----------------------	---------------------------

Supporting documentation held in ArchSite

SRS UPGRADE PROJECT - 2	NZAA SITE NUMBER
Photographs - reference no.:	
Recommendations: -	
Additional information (including plans, drawings historical info etc.):	
Site was occupied by a Mrs Priestley. The site record form (additional notes) states that landowner in 1989, Ned Sutton, told him that the lady died in 1905. However, this is erroneous, according to Ned (February 2006). Mr Sutton snr was born in 1908 and remembered her living there when he was a young man. This places the occupation in the 1920s. She and her husband lived in separate, but close, nikau whare, changing location every few years. Four such locations were known to Ned Sutton. These are shown in the photograph below. That on the trig was relocated. On the northern side of the trig is what appears now as a platform cut into the hillside immediately beside the trig measuring some 8 x 5 m. The scarp on the trig side was 80 cm high. Originally it was smaller with steep side all round, but was bulldozed by Ned Sutton, giving it its present appearance. No traces remain at the most northerly location. The last site (in bush east of 724) is marked by a group of pine trees. No visible evidence remains there, but Ned found an old commemorative coin (marriage of George III and Caroline) at this location. The earthworks referred to in the site record form are the remains of a structure built by the Sutton family to load tea tree firewood onto carts. These sites are not archaeological in terms of the Historic Places Act, 1993	
	
Locations of Mrs Priestley's occupation sites, 1920s	

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION



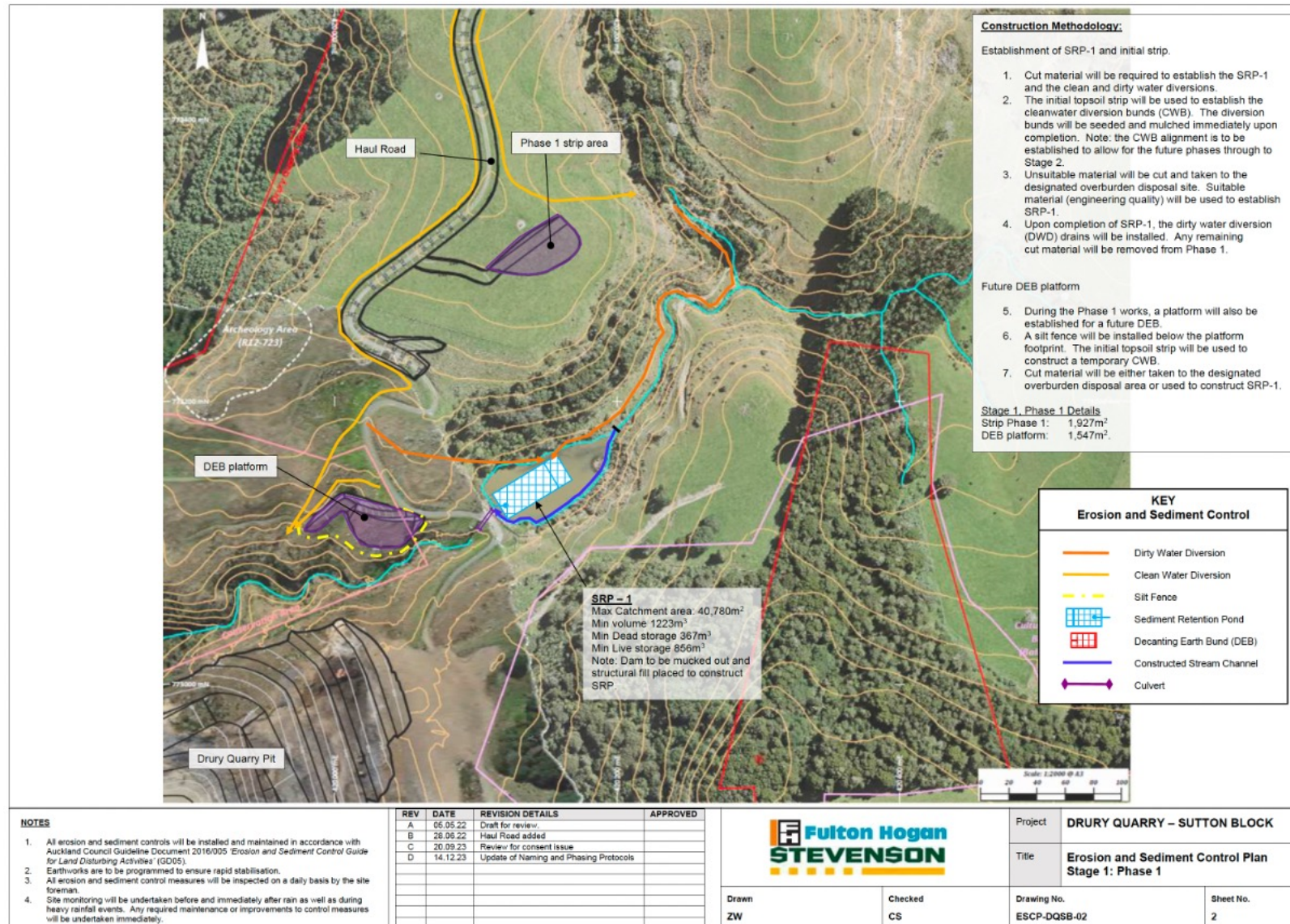
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

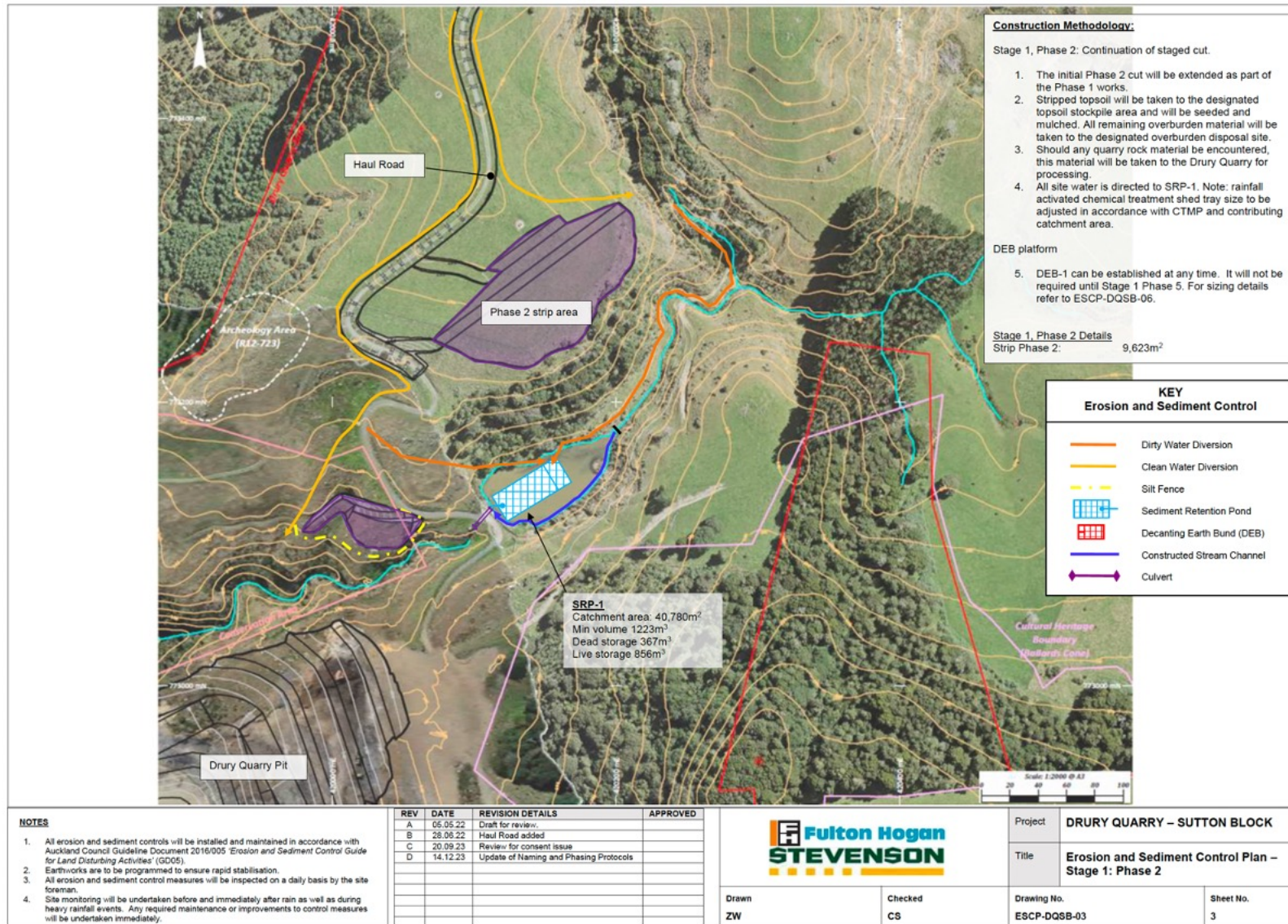
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/724													
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980		DATE VISITED 26 June 1989 SITE TYPE: Plants/Fence/Stonework/Earthworks SITE NAME: MAORI OTHER													
Grid References Easting <u>2 6 8 8 1 4 0</u> Northing <u>6 4 5 1 2 2 0</u>															
1. Aids to relocation of site (attach a sketch) c 4.5km NE of the Ramarama P.O. c 700m directly W of site R12/278 just below the ridge line															
2. State of site and possible future damage															
3. Description of site <i>(Supply full details, history, local environment, references, sketches etc. If extra sheets are attached, include a summary here)</i> On the top of the ridge bordering the E side of the proposed ARA landfill there are a series of amorphous depressions, long channel features running down-slope (most likely stock tracks running along old fence-lines which are no longer standing), native trees spaced evenly about, clumps of flowering calla lilies and jonquil bulbs and a small area of stone paving. In the grass there are the remains of an old fence (posts and wire). Together the earthworks, stonework, plants and finds probably represent an early European farmstead dating to the late 1860's. These remains offer an interesting contrast to the Maori stonework and earthworks on the promontory below.															
4. Owner Address N Sutton Ararimu Road R D 3 DRURY (Ph PAK-294-8286)		Tenant/Manager Address													
5. Nature of information <i>(hearsay, brief or extended visit, etc.)</i> brief inspection Photographs <i>(reference numbers, and where they are held)</i> _____ Aerial photographs <i>(reference numbers, and clarity of site)</i> _____															
6. Reported by Address Ian Lawlor ARA Private Bag AUCKLAND		Filekeeper B Sewell Date 11 JUL 1989													
7. Keywords EUROPEAN FARMSTEAD STONWORK PLANTS EARTHWORKS															
8. New Zealand Register of Archaeological Sites (for office use) NZHPT Site Field Code															
Latitude S <table border="1"> <tr><td>K</td><td>S</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>A</td><td>E</td></tr> </table>		K	S	-	-	A	E	Longitude E <table border="1"> <tr><td>-</td><td>-</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>B</td><td>U</td></tr> </table>		-	-	-	-	B	U
K	S														
-	-														
A	E														
-	-														
-	-														
B	U														
Type of site Local environment today Land classification		Present condition and future danger of destruction Security code Local body													

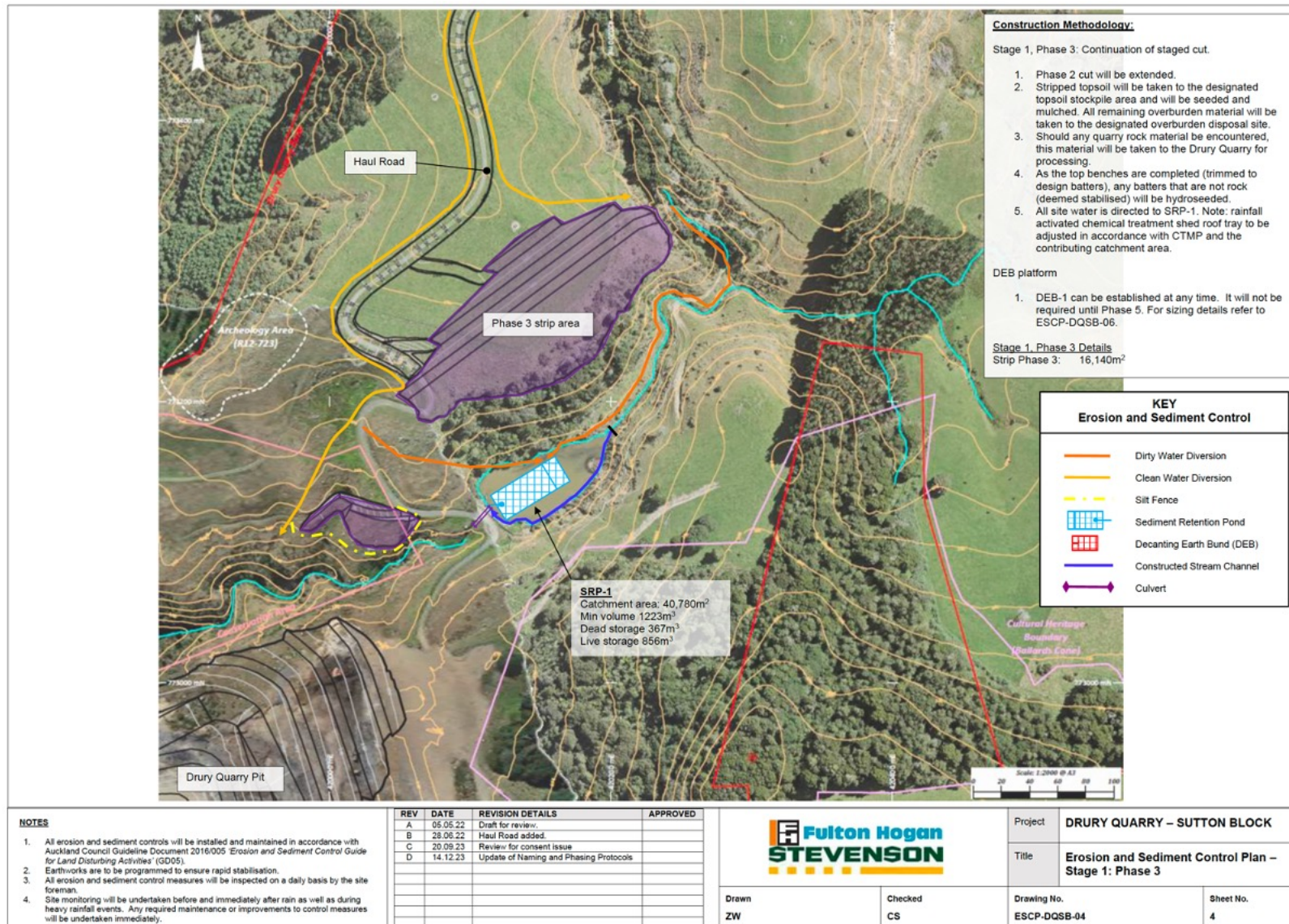
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

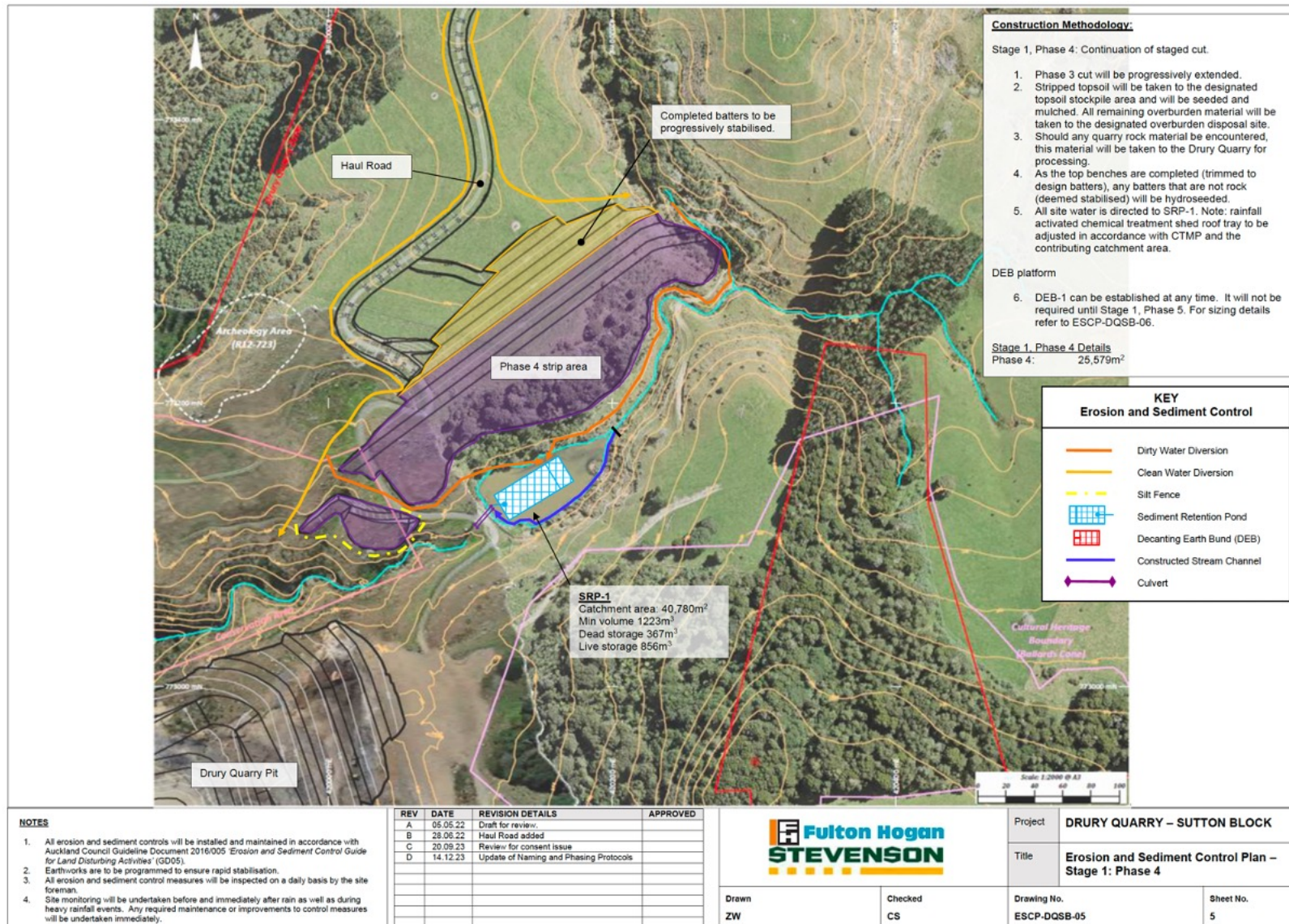
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS260)		NZAA METRIC SITE NUMBER R12/724	
NZMS260 map number R12 NZMS260 map name Pukekohe NZMS260 map edition 1 1980	DATE VISITED Reported during phone conservation 26 June 1989 SITE TYPE SITE NAME: MAORI European Farmstead OTHER		
<i>Grid References</i> Easting <u>2</u> <u>6</u> <u>8</u> <u>8</u> <u>1</u> <u>4</u> <u>0</u> Northing <u>6</u> <u>4</u> <u>5</u> <u>1</u> <u>2</u> <u>2</u> <u>0</u>			
Additional Information Sheet During a phone conversation with the land owner, Ned Sutton, he told me that this is the site where a husband and wife lived in separate dwellings ¹ . He found a coin here which is still in his possession (minted ? Brunswick). The story goes that the woman was related to royalty. She died in 1905. Further research into this site would possibly provide more information on site R12/278, it is highly likely that this couple new of the Maori habitation complex below and may have collected finds from it. Ian Lawlor ARA Private Bag AUCKLAND			

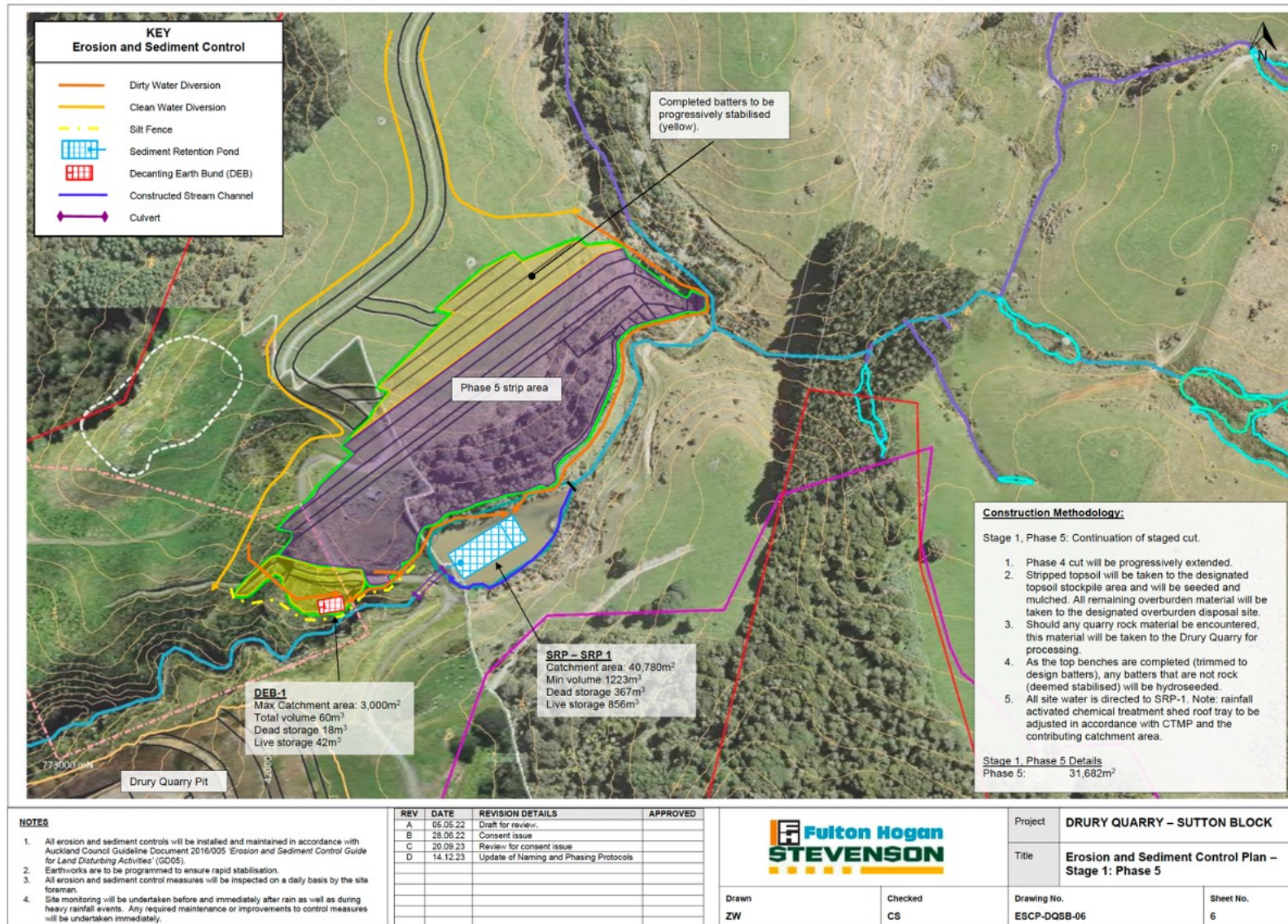
APPENDIX 2: STAGE 1 EARTHWORKS PLANS

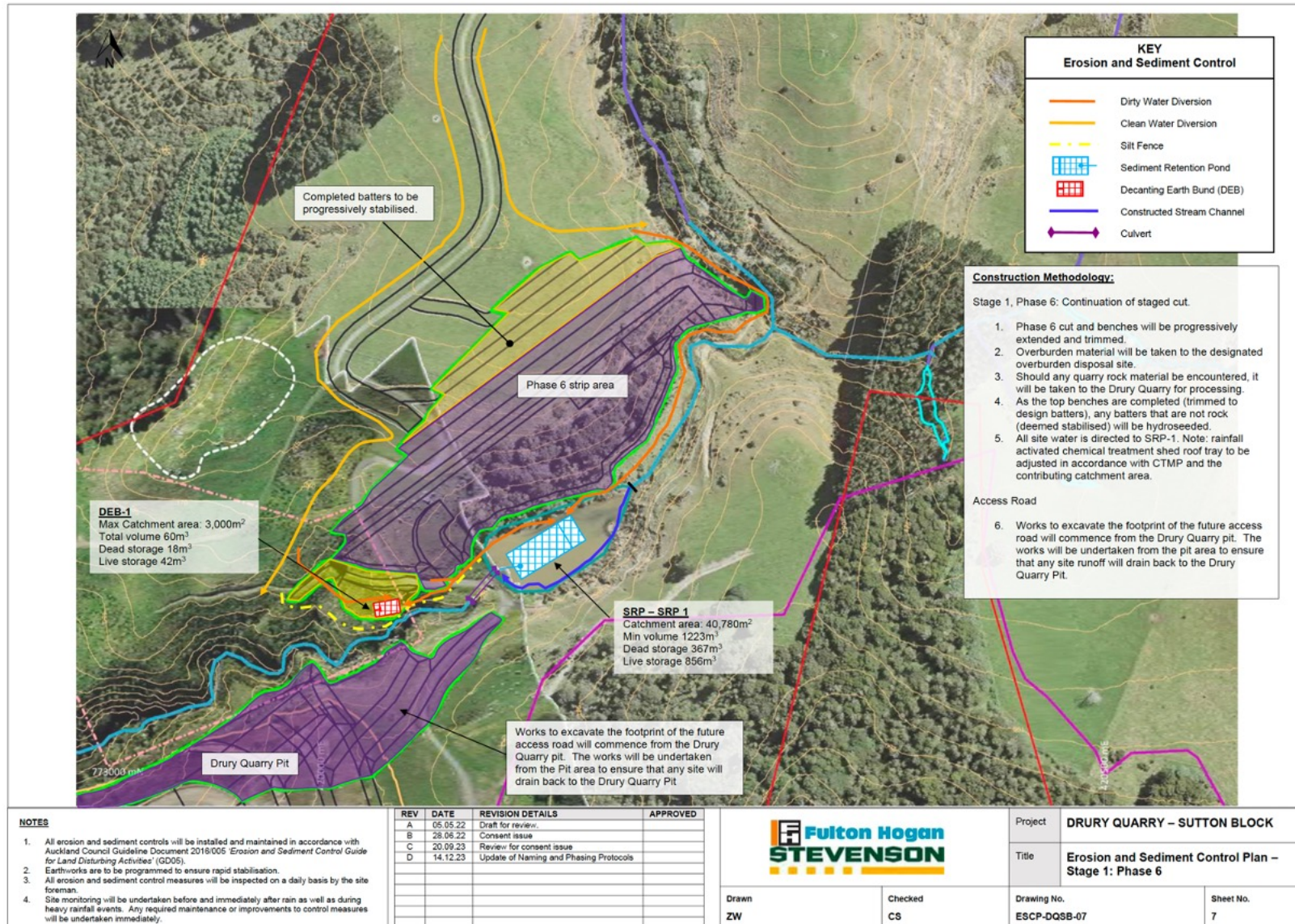


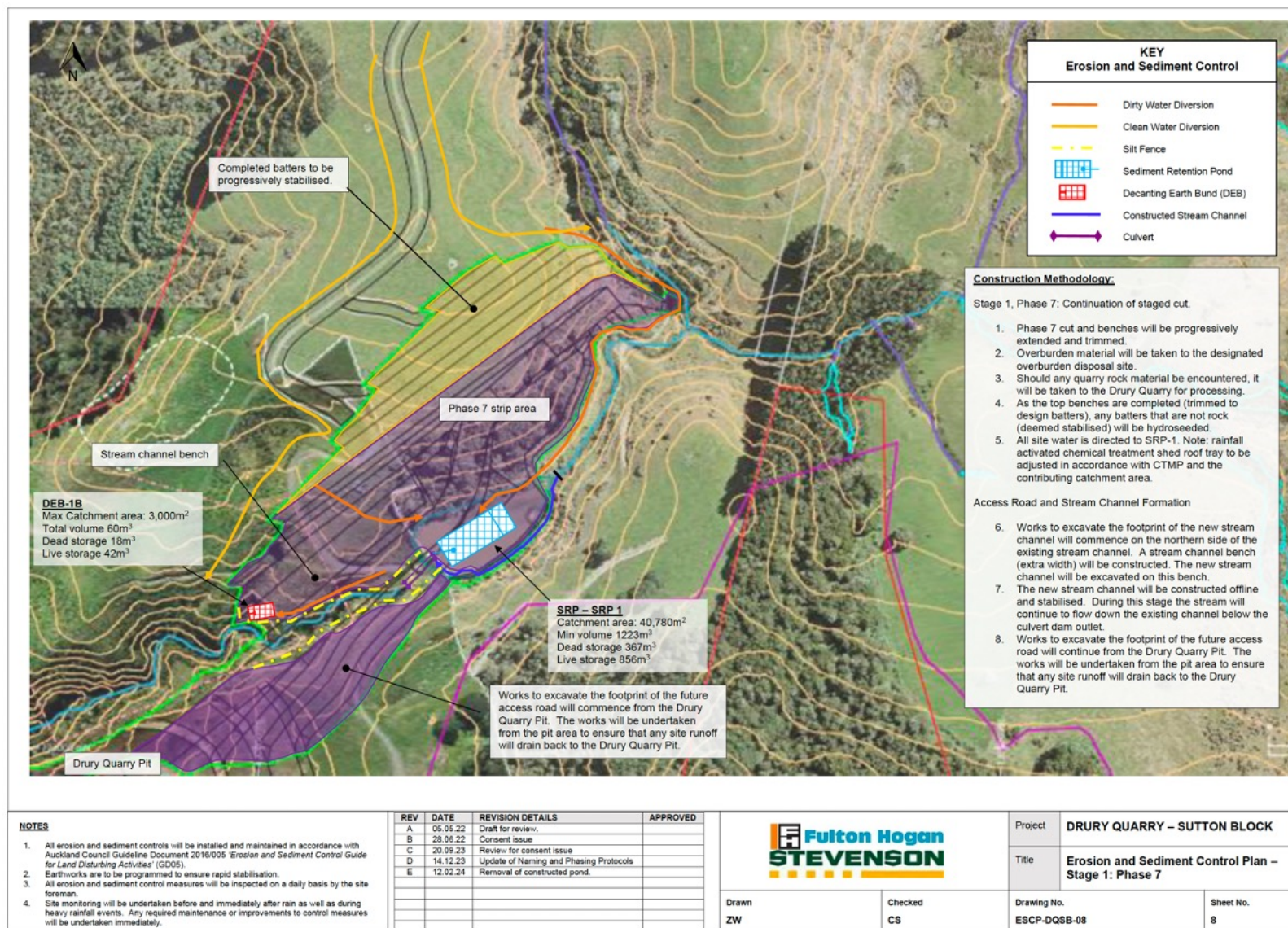


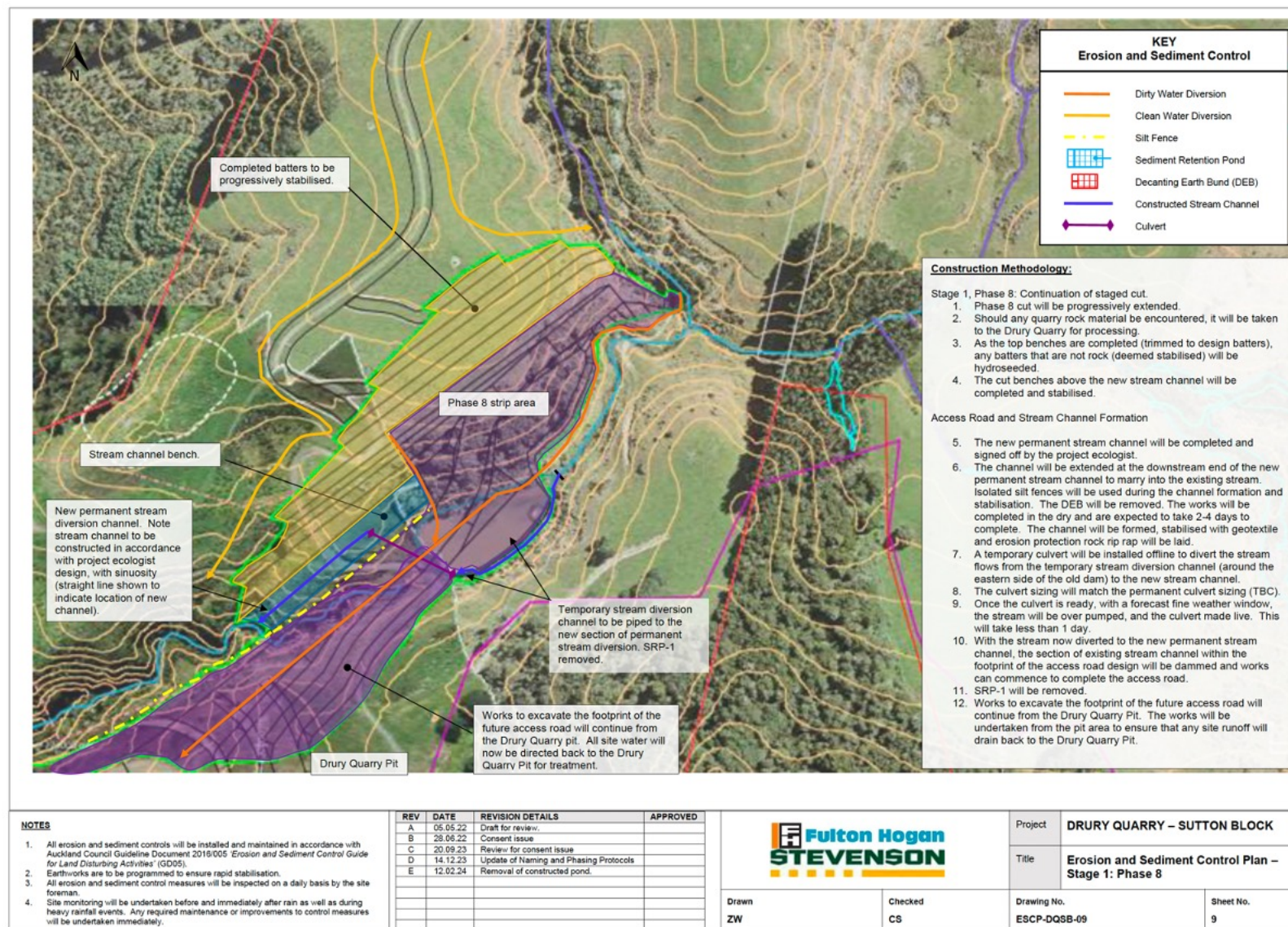


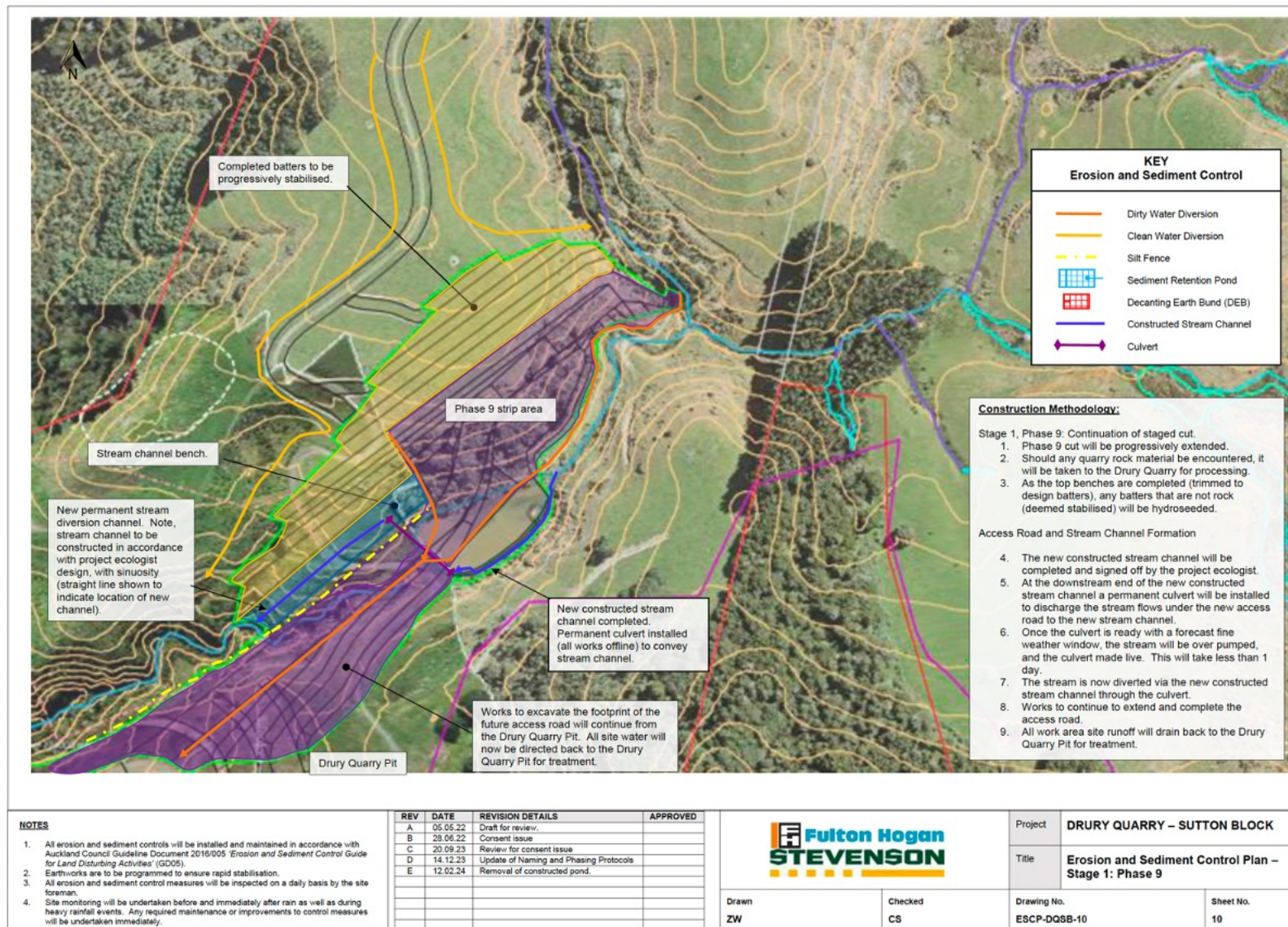


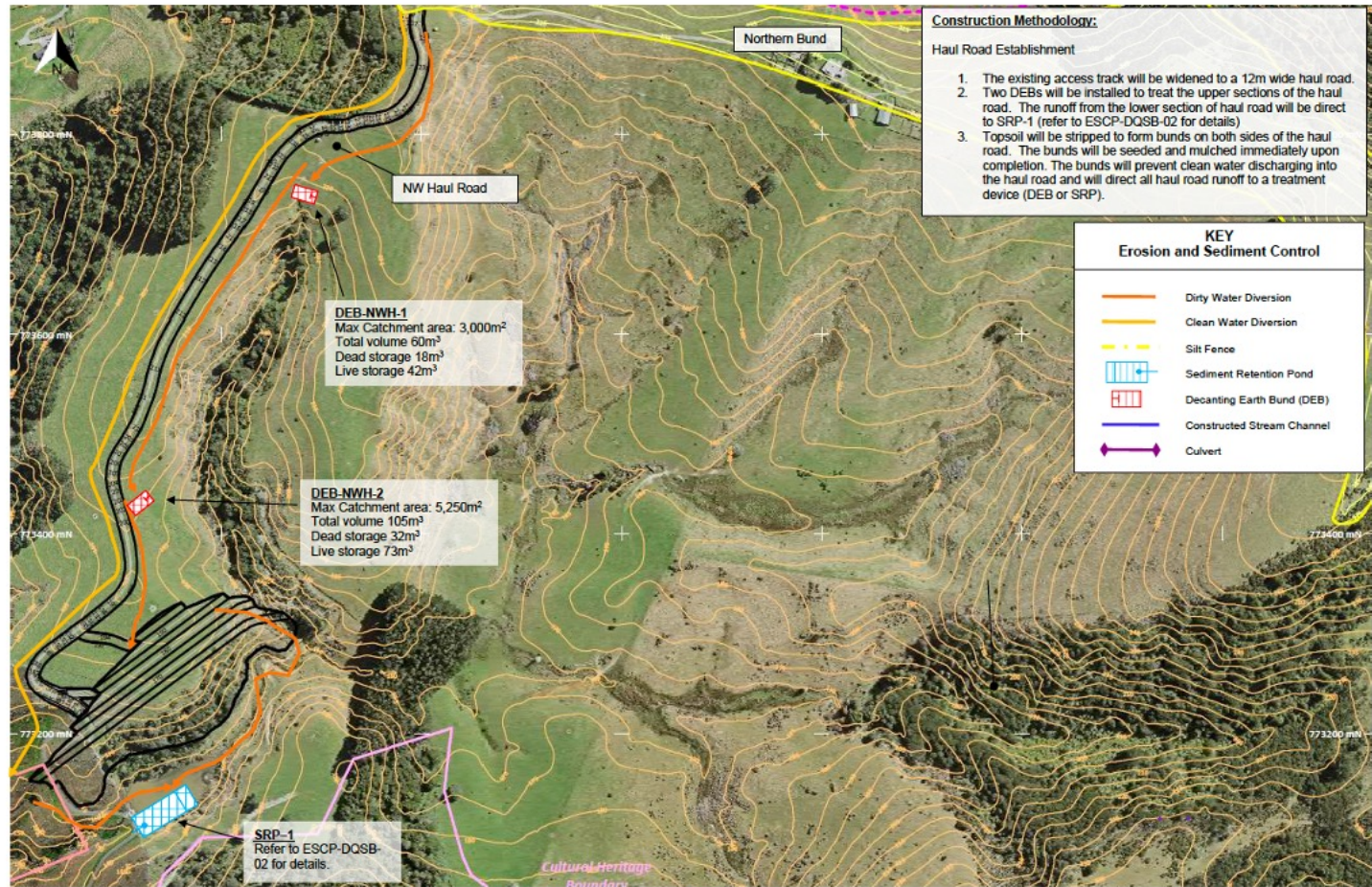












NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2019/005 Erosion and Sediment Control Guide for Land Disturbing Activities' (SD005).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

REV	DATE	REVISION DETAILS	APPROVED
A	20 06 22	Draft for review.	
B	26 06 23	2023 update	



Drawn
CS

Checked
ZW

Project
DRURY QUARRY – SUTTON BLOCK

Title
Erosion and Sediment Control Plan
NW Haul Road

Drawing No.
ESCP-DQSB-HR-01

Sheet No.
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