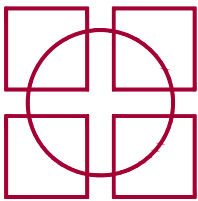


TOKANUI HOSPITAL HORIZONTAL INFRASTRUCTURE

TOITŪ TE WHENUA - LINZ DEMOLITION SERIES

33205

FOR RESOURCE CONSENT



Fraser
Thomas

ISSUE SET 6

08/11/24

	LIST OF DRAWINGS	13/12/2023	04/03/2024	10/04/2024	10/05/2024	18/09/2024	07/11/2024
	ISSUE SET	1	2	3	4	5	6
DRAWING	DRAWING TITLE						
33205/0001	LEGEND	-	A	A	A	A	A
33205/2000	WASTEWATER DEMOLITION PLAN LAYOUT	-	A	A	B	C	D
33205/2001	WASTEWATER DEMOLITION PLAN (SHEET 1 OF 9)	-	A	A	B	C	D
33205/2002	WASTEWATER DEMOLITION PLAN (SHEET 2 OF 9)	-	A	A	B	C	D
33205/2003	WASTEWATER DEMOLITION PLAN (SHEET 3 OF 9)	-	A	A	B	C	D
33205/2004	WASTEWATER DEMOLITION PLAN (SHEET 4 OF 9)	-	A	A	B	C	D
33205/2005	WASTEWATER DEMOLITION PLAN (SHEET 5 OF 9)	-	A	A	B	C	D
33205/2006	WASTEWATER DEMOLITION PLAN (SHEET 6 OF 9)	-	A	A	B	C	D
33205/2007	WASTEWATER DEMOLITION PLAN (SHEET 7 OF 9)	-	A	A	B	C	D
33205/2008	WASTEWATER DEMOLITION PLAN (SHEET 8 OF 9)	-	A	A	B	C	D
33205/2009	WASTEWATER DEMOLITION PLAN (SHEET 9 OF 9)	-	A	A	B	C	D
33205/2010	WASTEWATER TREATMENT PLANT DEMOLITION WORKS					A	B
33205/2011	WASTEWATER DEMOLITION PLAN IN NW WETLAND - PIPE SUPPORT DETAILS SHEET 1 OF 2					A	B
33205/2012	WASTEWATER DEMOLITION PLAN IN NW WETLAND - PIPE SUPPORT DETAILS SHEET 2 OF 2					A	A
33205/2100	STORMWATER DEMOLITION PLAN LAYOUT	-	A	A	B	C	D
33205/2101	STORMWATER DEMOLITION PLAN (SHEET 1 OF 9)	-	A	A	B	C	D
33205/2102	STORMWATER DEMOLITION PLAN (SHEET 2 OF 9)	-	A	A	B	C	D
33205/2103	STORMWATER DEMOLITION PLAN (SHEET 3 OF 9)	-	A	A	B	C	D
33205/2104	STORMWATER DEMOLITION PLAN (SHEET 4 OF 9)	-	A	A	B	C	D
33205/2105	STORMWATER DEMOLITION PLAN (SHEET 5 OF 9)	-	A	A	B	C	D
33205/2106	STORMWATER DEMOLITION PLAN (SHEET 6 OF 9)	-	A	A	B	C	D
33205/2107	STORMWATER DEMOLITION PLAN (SHEET 7 OF 9)	-	A	A	B	C	D
33205/2108	STORMWATER DEMOLITION PLAN (SHEET 8 OF 9)	-	A	A	B	C	D
33205/2109	STORMWATER DEMOLITION PLAN (SHEET 9 OF 9)	-	A	A	B	C	D
33205/2200	WATER DEMOLITION PLAN LAYOUT	-	A	A	B	C	D
33205/2201	WATER DEMOLITION PLAN (SHEET 1 OF 9)	-	A	A	B	C	D
33205/2202	WATER DEMOLITION PLAN (SHEET 2 OF 9)	-	A	A	B	C	D

33205/2203	WATER DEMOLITION PLAN (SHEET 3 OF 9)	-	A	A	B	C	D	
33205/2204	WATER DEMOLITION PLAN (SHEET 4 OF 9)	-	A	A	B	C	D	
33205/2205	WATER DEMOLITION PLAN (SHEET 5 OF 9)	-	A	A	B	C	D	
33205/2206	WATER DEMOLITION PLAN (SHEET 6 OF 9)	-	A	A	B	C	D	
33205/2207	WATER DEMOLITION PLAN (SHEET 7 OF 9)	-	A	A	B	C	D	
33205/2208	WATER DEMOLITION PLAN (SHEET 8 OF 9)	-	A	A	B	C	D	
33205/2209	WATER DEMOLITION PLAN (SHEET 9 OF 9)	-	A	A	B	C	D	
33205/2300	COMMS DEMOLITION PLAN LAYOUT	-	A	A	B	C	D	
33205/2400	POWER DEMOLITION PLAN LAYOUT	-	A	A	B	C	D	
33205/2401	POWER DEMOLITION PLAN (SHEET 1 OF 9)	-	A	A	B	C	D	
33205/2402	POWER DEMOLITION PLAN (SHEET 2 OF 9)	-	A	A	B	C	D	
33205/2403	POWER DEMOLITION PLAN (SHEET 3 OF 9)	-	A	A	B	C	D	
33205/2404	POWER DEMOLITION PLAN (SHEET 4 OF 9)	-	A	A	B	C	D	
33205/2405	POWER DEMOLITION PLAN (SHEET 5 OF 9)	-	A	A	B	C	D	
33205/2406	POWER DEMOLITION PLAN (SHEET 6 OF 9)	-	A	A	B	C	D	
33205/2407	POWER DEMOLITION PLAN (SHEET 7 OF 9)	-	A	A	B	C	D	
33205/2408	POWER DEMOLITION PLAN (SHEET 8 OF 9)	-	A	A	B	C	D	
33205/2409	POWER DEMOLITION PLAN (SHEET 9 OF 9)	-	A	A	B	C	D	
33205/2500	CONCRETE STEAM DUCT DEMOLITION PLAN LAYOUT	-	A	A	B	C	D	
33205/2700	ROADING DEMOLITION PLAN LAYOUT	-	A	B	C	D	C	
33205/2701	ROADING/PAVING EXTENT AND OPTIONS PLAN - WITHDRAWN	-	-	-	-	SS	SS	
33205/2702	EXISTING ROADING CONDITION ASSESSMENT	-	-	-	-	A	A	
33205/2703	ROADING/PAVING EXTENT INCLUDING POSSIBLE/ACTUAL COAL TAR AREAS - WITHDRAWN	-	-	A	B	SS	SS	
33205/2710	PROPOSED REMOVAL OF REDUNDANT ROAD EMBANKMENT AND CULVERT - WITHDRAWN	-	A	A	B	SS	SS	
33205/2800	COMBINED SERVICES LAYOUT				-	A	B	

NOTE:

1. For coal tar removal works, refer separate 33205/CT drawing series.

Ex WW Line (High Confidence)	
Ex WW Line (Medium Confidence)	
Ex WW Line (Low Confidence)	
Ex SW Line (High Confidence)	
Ex SW Line (Medium Confidence)	
Ex SW Line (Low Confidence)	
Ex Water (High Confidence)	
Ex Water (Medium Confidence)	
Ex Water (Low Confidence)	
Ex Comms (High Confidence)	
Ex Comms (Medium Confidence)	
Ex Comms (Low Confidence)	
Ex O/H Power (High Confidence)	
Ex Underground Power (Medium Confidence)	
Ex Underground Power (Low Confidence)	
Ex Steam Pipe Concrete Duct (Surveyed)	
Ex Steam Pipe Concrete Duct (OPUS Survey)	
Ex WW Manhole (Surveyed)	
Ex WW Manhole (Assumed)	
Ex SW Structure (Surveyed)	
Ex SW Structure (Assumed)	
Ex Hydrant (Surveyed)	
Ex Valve (Surveyed)	
Ex Steam Pipe Concrete Pit	
Stormwater Flood Detention Depression	
Service to be abandoned	
Underground structure less than 1m depth to be removed completely	

Manhole ID	Manhole DN	Pipe ID	Pipe DN
610Ø	600Ø	100Ø	100Ø
1066Ø	1050Ø	150Ø	150Ø
1523Ø	1500Ø	222Ø	225Ø
1829Ø	1800Ø	305Ø	300Ø
3008Ø	3000Ø	381Ø	375Ø
3200Ø	3200Ø	686Ø	675Ø
		762Ø	750Ø
		914Ø	900Ø

- The information contained in this document is solely for the use of Toitū Te Whenua - LINZ, for the purpose for which it has been prepared and Fraser Thomas Limited undertakes no duty to or accepts any responsibility to any third party who may rely upon this document.
- All dimensions relevant to setting out and off-site works shall be verified by the contractor prior to any planned demolition, removal, replacement, upgrade or other construction works.
- The existing services and utilities on the drawings are derived from the CCTV investigations and service scans produced by CST Group Limited and Civtec. The existing services and utilities shown on the drawings do not constitute an as-built level of accuracy. It should be noted that there may be inaccuracies with the invert levels and horizontal alignments of the services where there is no data due to the survey, CCTV and service scanners not being able to obtain the information on site. Refer to the abbreviations for the terminology used to define the level of accuracy of the information shown on the drawings.
- The existing topographical ground level information as shown on the drawings are sourced from 2022 LIDAR.
- The topographical survey was conducted by Barry Satchell Consultants Limited. The topographical survey is limited to survey for the manhole lid levels and location and to the spray paint marking locations of the existing underground utilities marked out by CST Group Limited and Civtec.

SWMH E13 - Surveyed stormwater manhole ID linked to GIS ID

SWMH (NOGISID 1) - Surveyed stormwater manhole without a GIS ID

SWMH (INFERRED 1) - Stormwater manhole shown on CCTV result and not on the survey

WWMH E13 - Surveyed wastewater manhole ID linked to GIS ID

WWMH (NOGISID 1) - Surveyed wastewater manhole without a GIS ID

WWMH (INFERRED 1) - Wastewater manhole shown on CCTV result and not on the survey

(H.1 - High Confidence) - Pipe alignments and depths matches with CCTV and Survey.

(M.1 - Medium Confidence) - Pipe alignments and depths matches with either the Survey or CCTV.

(L.1 - Low Confidence) - Pipe alignments and depths are assumed as no information is available on the survey but has been attempted to match the CCTV data as closely as possible.

(H.1 - High Confidence) - Pipe alignments and depths matches with Hydro excavated pits and Survey.

(M.1 - Medium Confidence) - Pipe alignments sourced from prior OPUS survey and directly aligns with topo features (i.e, hydrants, valve boxes and power/comms plinths).

(L.1 - Low Confidence) - Pipe alignments and depths are assumed as no information is available on the survey but has been attempted to match the service scanning data as closely as possible.

Condition Grade	Water mains and Sewage Pumping Mains	Service Pipes
1 Very Good	Modern pipe material designed to current standards with no pipewall or joint failures and no evidence of internal or external degradation.	Modern pipe material designed to current standards with no evidence of internal or external degradation.
2 Good	As condition 1, but not designed to current standards in respect of pressure ratings, design specification, jointing or corrosion protection. Deterioration causing minimal influence on performance.	As condition 1, but not designed to current standards. Deterioration causing minimal influence on performance.
3 Moderate	Water mains or sewage pumping mains which are generally sound, although with a few pipewall or joint failures or evidence of some external or internal degradation. Some deterioration beginning to be reflected in performance.	Service pipes which are generally sound, although with a few failures requiring replacement or repair. Some deterioration beginning to be reflected in performance.
4 Poor	Water mains or sewage pumping mains with a significant level of pipewall or joint failures or evidence of significant external or internal degradation causing, or likely to cause a marked deterioration in performance in the medium term. Some asset replacement or rehabilitation needed within the medium term.	Service pipes with a significant level of failures requiring replacement or repair or with significant internal or external corrosion and likely to cause a marked deterioration in performance in the medium term. Some asset replacement or rehabilitation needed within the medium term.
5 Very Poor	Unsound water mains or sewage pumping mains with extensive pipewall or joint failures, or significant external or internal degradation, which has failed or about to fail in the near future, causing unacceptable performance. No life expectancy, requiring urgent replacement or rehabilitation.	Unsound service pipes with high level of failure or significant external or internal degradation, which has failed or about to fail in the near future, causing unacceptable performance. No life expectancy, requiring urgent replacement or rehabilitation.

Condition Grade	Wastewater and Stormwater Drainage	Wastewater and Stormwater Manholes
1 Very Good	Modern pipe material designed to current standards with no structural defects and no evidence of internal or external degradation.	Sound modern structure well maintained with no problems with the manhole structure, invert, pipe entries, manhole cover or manhole cover frame.
2 Good	As condition 1 but not designed to current standards in respect of manufacturer's specification, jointing or corrosion protection. Some deterioration, for example, circumferential cracking or minor joint defects causing minimum influence on performance	As condition 1, but showing minor wear and tear and minor deterioration. Some surface damage to the structure but no corrosion staining, cracking or loss of stability.
3 Moderate	Sewer pipes which are generally sound, although with some defects (for example deformation 0% to 5% and cracked or fractured or longitudinal/ multiple cracking or occasional fractures or external pipewall degradation) over not more than 25% of the length. Some deterioration beginning to be reflected in performance.	Functionally sound structure but showing some signs of wear and tear. Some minor cracking, staining or signs of vegetation.
4 Poor	Sewer pipes with a significant level of defects (for example, deformation 5% to 10% and cracked or fractured or broken or serious loss of level or external pipewall degradation) over not more than 50% of the length causing, or likely to cause, a marked deterioration in performance in the medium term. Some asset replacement or rehabilitation needed within the medium term.	Structure functioning but with problems due to significant infiltration, loss of stability or deformation. Manhole cover or frame showing signs of corrosion causing difficulties for man entry. Step irons showing signs of corrosion.
5 Very Poor	Unsound sewer pipes with a high level of defects (for example, deformation > 10% and cracked or fractured or broken, already collapsed or extensive areas of missing fabric), or grade for over > 50% of length, causing unacceptable performance. No life expectancy, requiring urgent replacement or rehabilitation.	Serious structural problems having a detrimental effect on the performance of the manhole structure.

[illegible]

NOTES

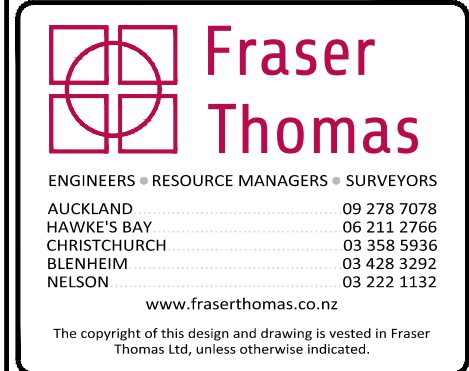
CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

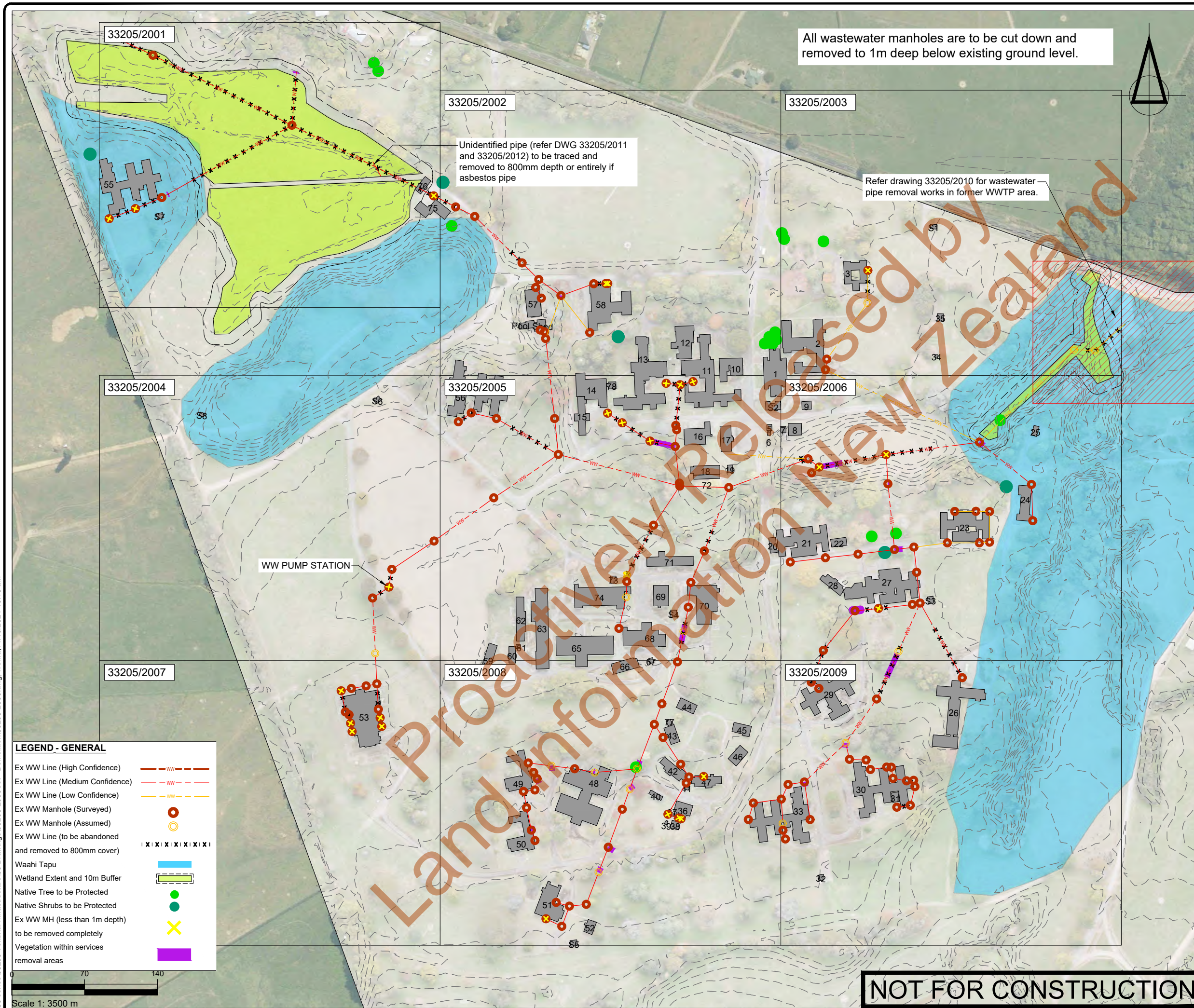
TOKANUI HOSPITAL HORIZONTAL INFRASTRUCTURE

TITLE
LEGEND



STATUS	<h2 style="margin: 0;">FOR RESOURCE CONSENT</h2> <p style="margin: 5px 0;">Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p>		
SCALE	NTS		(A3)
DRAWING No	33205/0001		REVISION A

NOT FOR CONSTRUCTION

[illegible]

- NOTES
1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 3. Any trapped water in services to be removed shall be removed by vacuum truck and disposed of off-site to an appropriate liquid waste receiving facility. Alternative disposal to stormwater will only be considered if water quality testing confirms this is acceptable.
 4. All wastewater pipes to be removed to 800mm depth (to top of pipe), with any residual pipes left in the ground capped or plugged.
 5. If during this process, new pipes <800mm depth (to top of pipe) are found that are not shown on the demolition drawings, advise LINZ project manager/site representative, who will issue instruction for any additional removal works.
 6. Survey the locations of any pipes/structures left in the ground and include on asbuilt plans.
 7. Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN LAYOUT



Fraser Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

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CHRISTCHURCH	03 358 5936
BLENHEIM	03 428 3292
NELSON	03 222 1132

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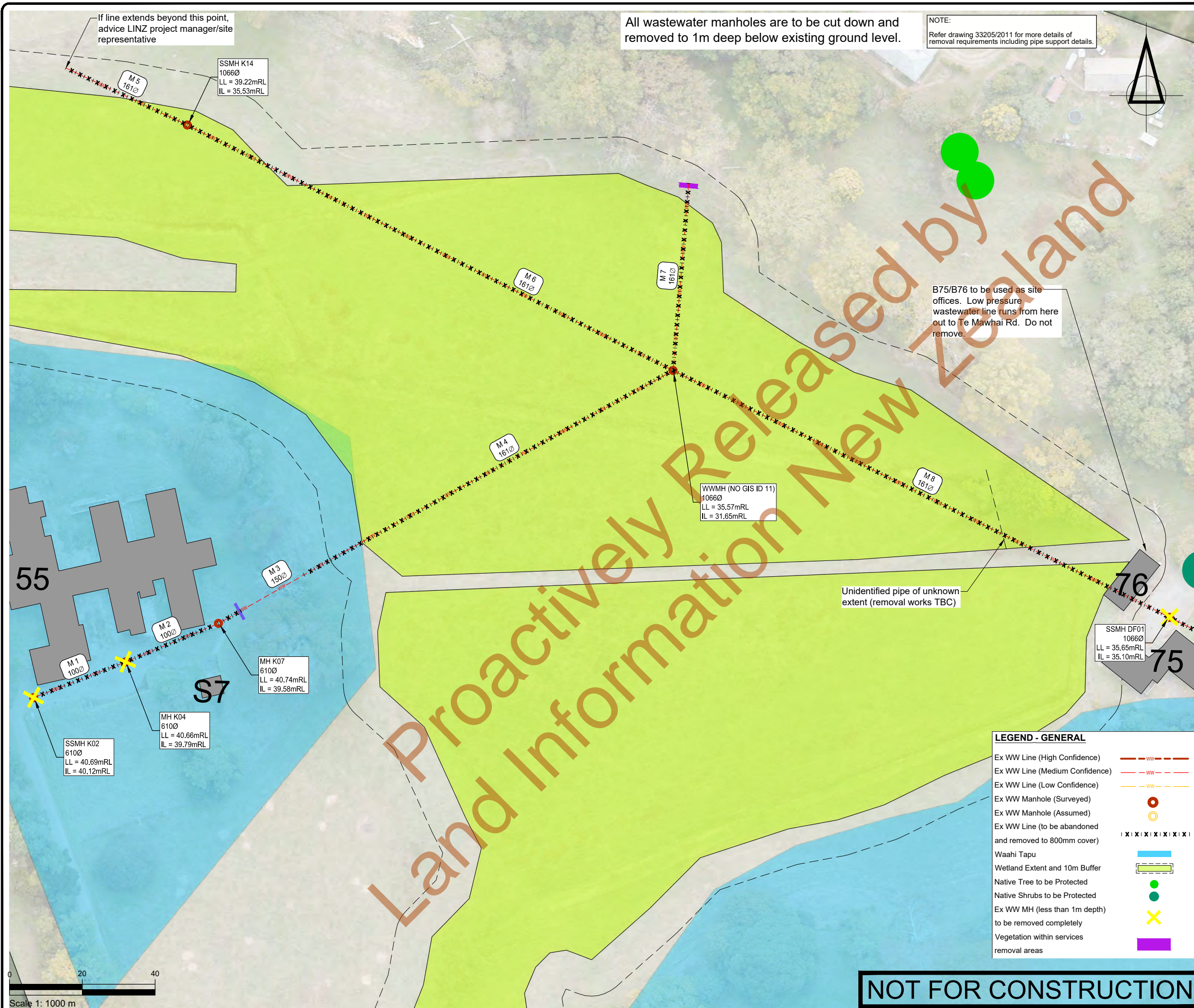
STATUS

FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE	1:3500	(A3)
DRAWING No	33205/2000	REVISION
		D

P:333 series33205 Tokanui Infrastructure03 Drawings33205-2000Set - Demolition33205-2001.dwg, swang, 9/23/2024 12:14 pm



SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

- NOTES
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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 1 OF 9)

 **Fraser Thomas**

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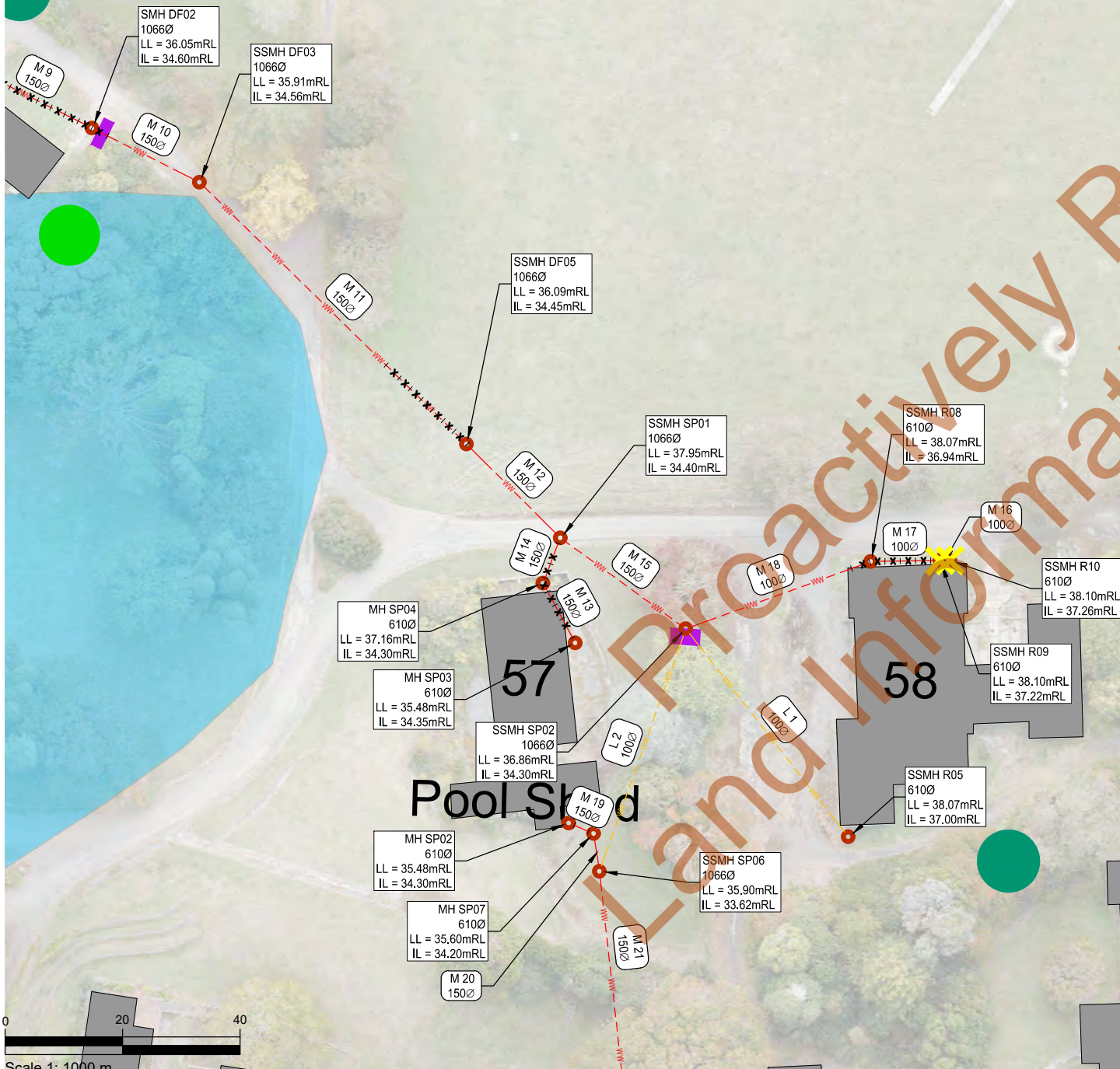
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STATUS	
FOR RESOURCE CONSENT	
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	1:1000 (A3)
DRAWING No	33205/2001
REVISION	D

LEGEND - GENERAL

Ex WW Line (High Confidence)	---
Ex WW Line (Medium Confidence)	---
Ex WW Line (Low Confidence)	---
Ex WW Manhole (Surveyed)	●
Ex WW Manhole (Assumed)	○
Ex WW Line (to be abandoned and removed to 800mm cover)	
Waahi Tapu	■
Wetland Extent and 10m Buffer	■
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Ex WW MH (less than 1m depth) to be removed completely	×
Vegetation within services removal areas	■

All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.



SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

- NOTES
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
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 - If during this process, new pipes <800mm depth (to top of pipe) are found that are not shown on the demolition drawings, advise LINZ project manager/site representative, who will issue instruction for any additional removal works.
 - Survey the locations of any pipes/structures left in the ground and include on asbuilt plans.
 - Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 2 OF 9)

Fraser Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

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STATUS	
FOR RESOURCE CONSENT	
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	1:1000 (A3)
DRAWING No	33205/2002
REVISION	D

LEGEND - GENERAL

Ex WW Line (High Confidence)

Ex WW Line (Medium Confidence)

Ex WW Line (Low Confidence)

Ex WW Manhole (Surveyed)

Ex WW Manhole (Assumed)

Ex WW Line (to be abandoned and removed to 800mm cover)

Waahi Tapu

Wetland Extent and 10m Buffer

Native Tree to be Protected

Native Shrubs to be Protected

Ex WW MH (less than 1m depth) to be removed completely

Vegetation within services removal areas

All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

NOTES

1.

2.

3.

4.

5.

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7.

All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.

Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.

Any trapped water in services to be removed shall be removed by vacuum truck and disposed of off-site to an appropriate liquid waste receiving facility. Alternative disposal to stormwater will only be considered if water quality testing confirms this is acceptable.

All wastewater pipes to be removed to 800mm depth (to top of pipe), with any residual pipes left in the ground capped or plugged.

If during this process, new pipes <800mm depth (to top of pipe) are found that are not shown on the demolition drawings, advise LINZ project manager/site representative, who will issue instruction for any additional removal works.

Survey the locations of any pipes/structures left in the ground and include on asbuilt plans.

Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 3 OF 9)

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HAWKE'S BAY

CHRISTCHURCH

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STATUS	
FOR RESOURCE CONSENT	
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	1:1000 (A3)
DRAWING No	33205/2003
REVISION	D

P:33 series33205 Tokanui Infrastructure03 Drawings33205-2000Set - Demolition33205-2003.dwg, f:fohra, 11/10/2021 10:18 am

P:\33 series\33205 Tokanui Infrastructure\03 Drawings\33205-2000Set - Demolition\33205-2004.dwg, swang, 11/10/2021 10:18 am

LEGEND - GENERAL

Ex WW Line (High Confidence)	
Ex WW Line (Medium Confidence)	
Ex WW Line (Low Confidence)	
Ex WW Manhole (Surveyed)	
Ex WW Manhole (Assumed)	
Ex WW Line (to be abandoned and removed to 800mm cover)	
Waahi Tapu	
Wetland Extent and 10m Buffer	
Native Tree to be Protected	
Native Shrubs to be Protected	
Ex WW MH (less than 1m depth) to be removed completely	
Vegetation within services removal areas	

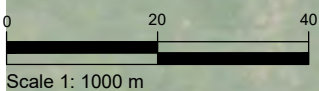
All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.



S8

S6

Proactively Released by
Land Information New Zealand



NOT FOR CONSTRUCTION


SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

- NOTES
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
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PROJECT
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE
WASTEWATER DEMOLITION
PLAN (SHEET 4 OF 9)

 **Fraser Thomas**

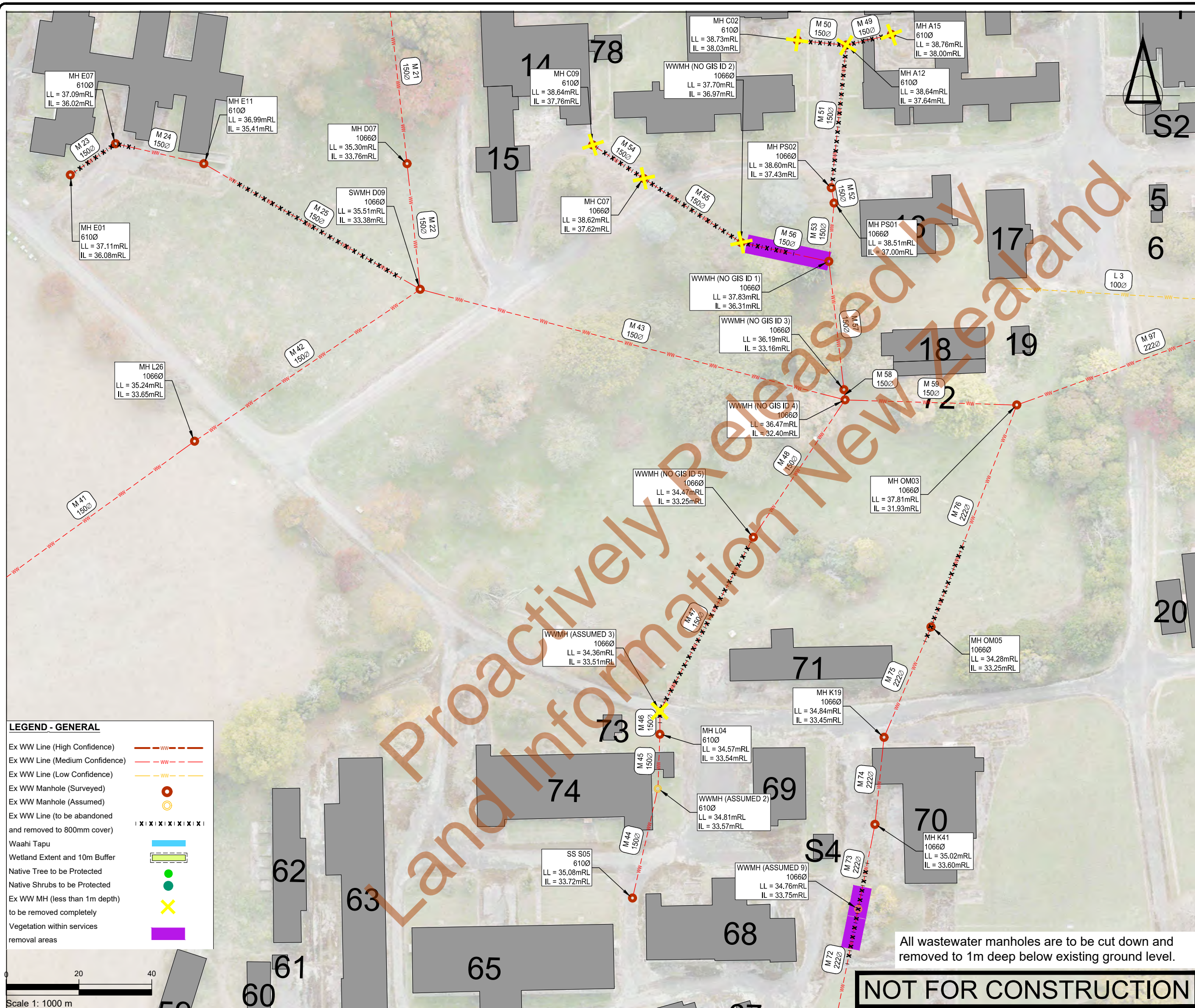
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STATUS FOR RESOURCE CONSENT	
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SCALE 1:1000	(A3)
DRAWING No 33205/2004	REVISION D



LEGEND - GENERAL

Ex WW Line (High Confidence)	---
Ex WW Line (Medium Confidence)	- - -
Ex WW Line (Low Confidence)	---
Ex WW Manhole (Surveyed)	●
Ex WW Manhole (Assumed)	○
Ex WW Line (to be abandoned and removed to 800mm cover)	XXXXXX
Waahi Tapu	■
Wetland Extent and 10m Buffer	■
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Ex WW MH (less than 1m depth) to be removed completely	✕
Vegetation within services removal areas	■

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 5 OF 9)

Fraser Thomas

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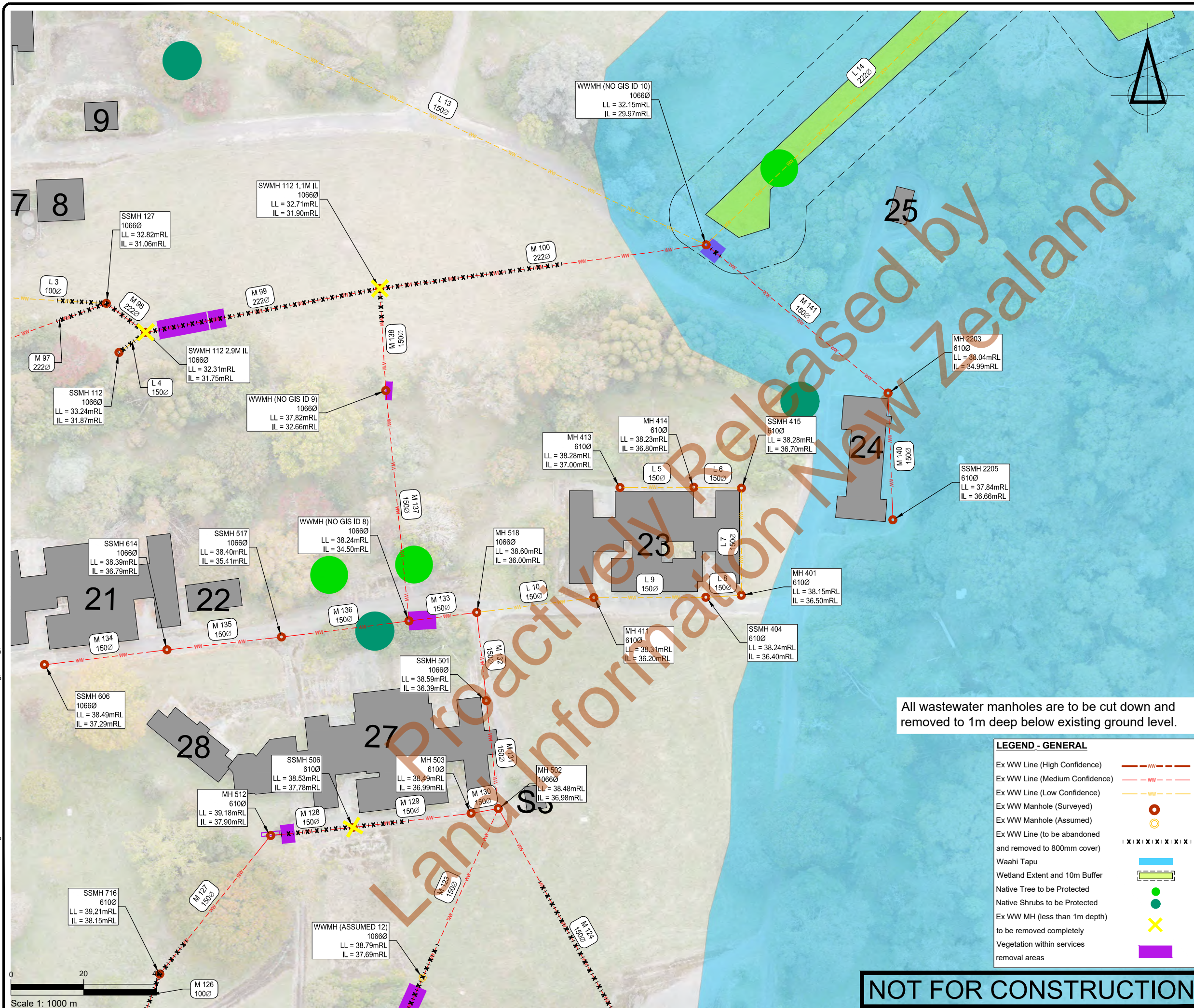
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SCALE	1:1000	(A3)
DRAWING No	33205/2005	REVISION
		D

All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.

NOT FOR CONSTRUCTION

[illegible]

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 6 OF 9)



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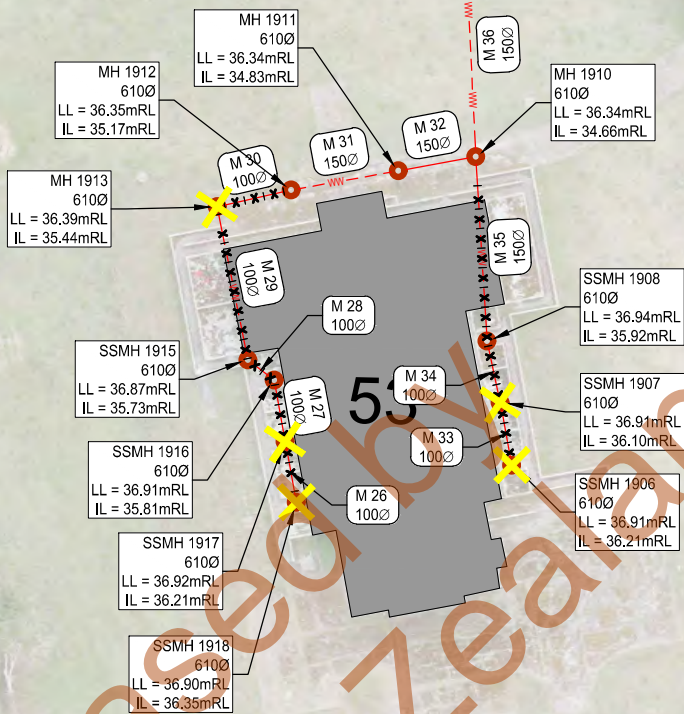
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Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:1000		(A3)
DRAWING No		REVISION
33205/2006		D

All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.



LEGEND - GENERAL

Ex WW Line (High Confidence)	---
Ex WW Line (Medium Confidence)	- - -
Ex WW Line (Low Confidence)	---
Ex WW Manhole (Surveyed)	●
Ex WW Manhole (Assumed)	○
Ex WW Line (to be abandoned and removed to 800mm cover)	X X X X X X X X
Waahi Tapu	---
Wetland Extent and 10m Buffer	---
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Ex WW MH (less than 1m depth) to be removed completely	X
Vegetation within services removal areas	---

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23	SF 31.05.23		
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 7 OF 9)



Fraser Thomas

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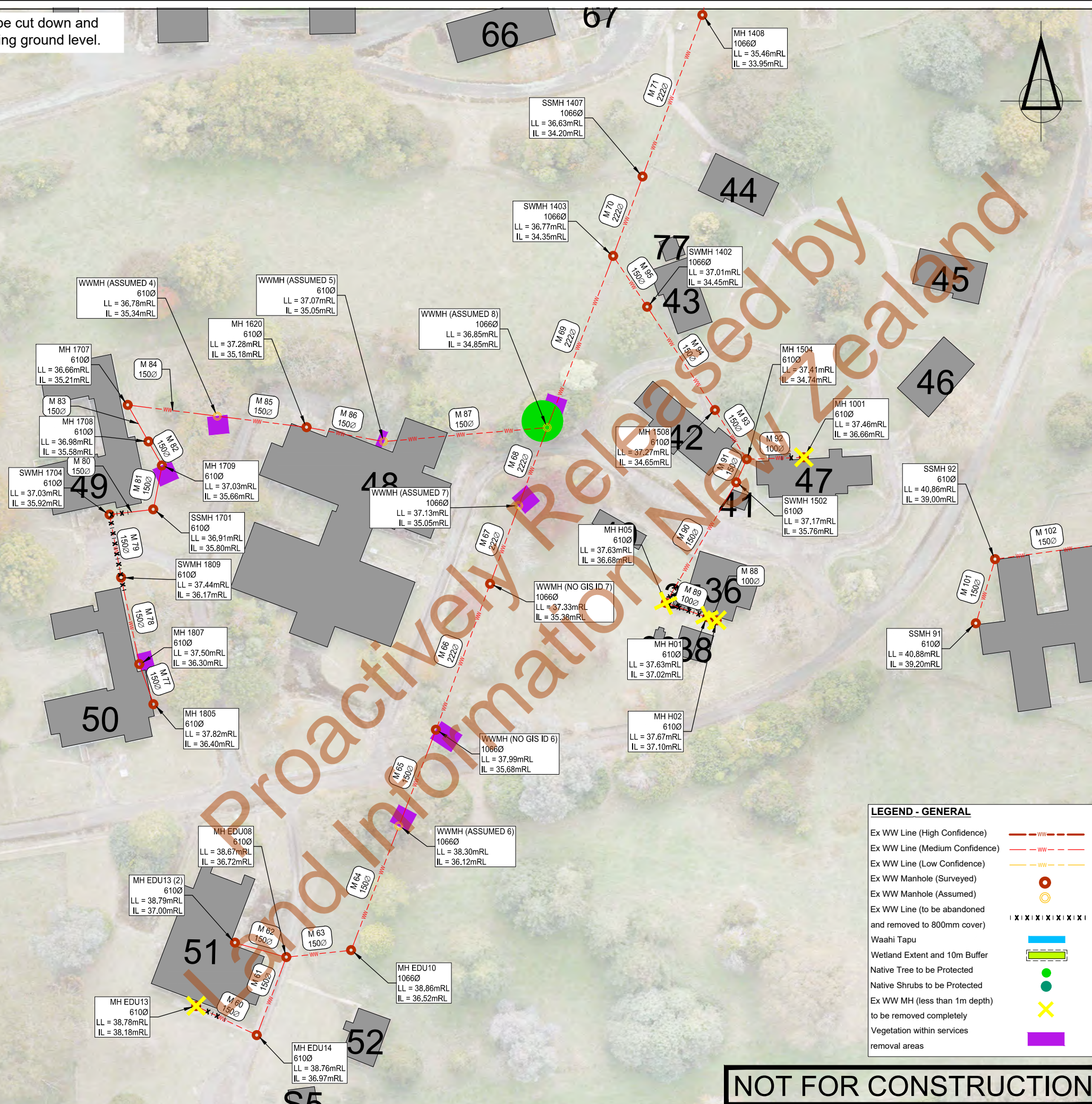
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FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE	1:1000	(A3)
DRAWING No	33205/2007	REVISION
		D

All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.

[illegible]

- NOTES
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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 8 OF 9)



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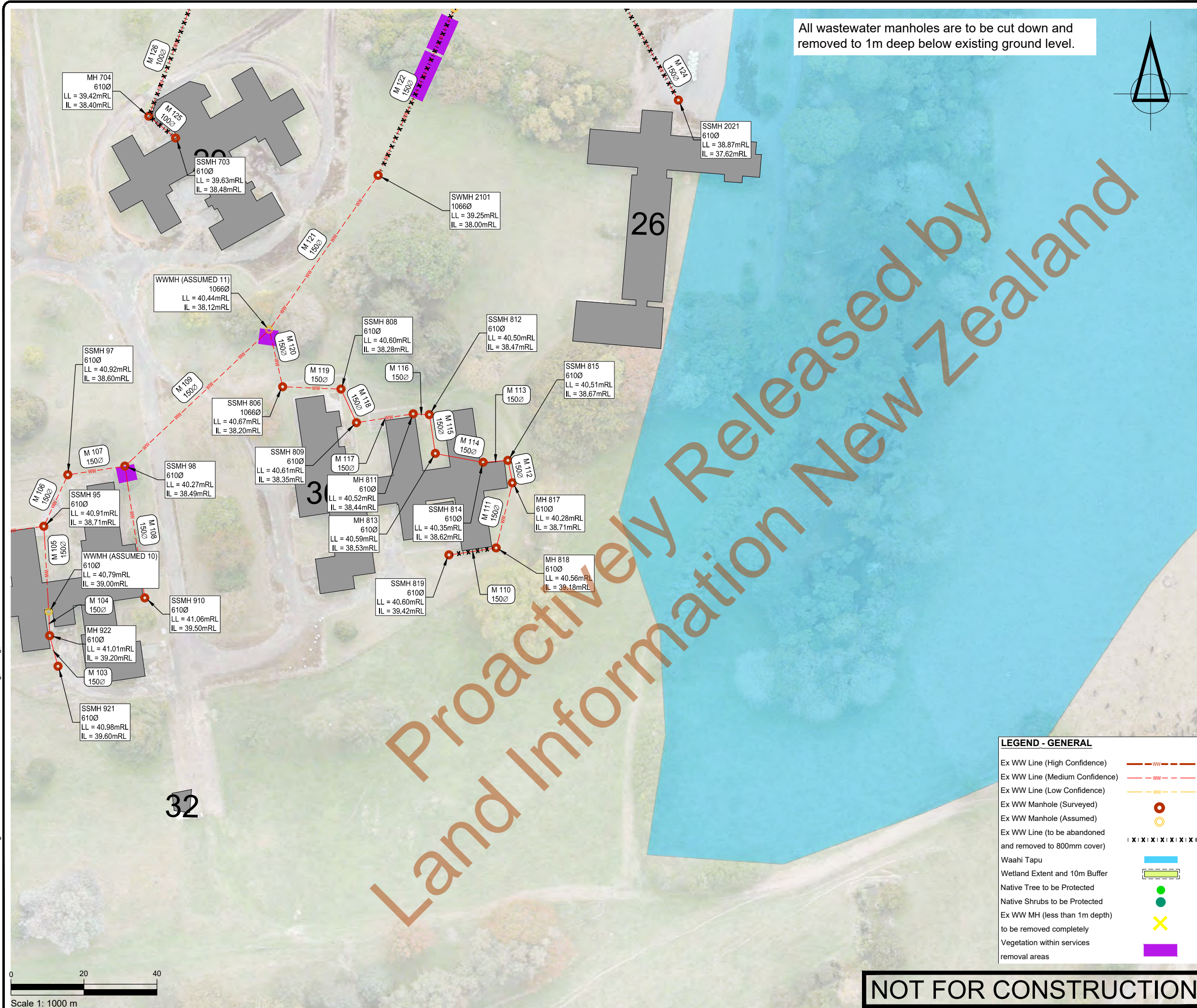
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FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE	1:1000	(A3)
DRAWING No	33205/2008	REVISION
		D



All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.

[illegible]

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WASTEWATER DEMOLITION
PLAN (SHEET 9 OF 9)

STATUS

FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE	1:1000	(A3)
DRAWING No	33205/2009	REVISION
		D

Demolition works:

1. WWPS + Concrete pad to be protected during works.
2. Remove flow meter and associated concrete pad. (TBC)
3. Remove redundant UV treatment system. LINZ to confirm if salvage for reuse or obsolete.
4. Remove outfall pipe. (TBC)
5. Remove shallow retaining wall and steps. Better ground down to tie in with adjacent ground.
6. Remove edging around former humes tank.
7. Remove tricking filter and stone media.
8. Remove grit chamber.
9. Remove inlet pipe strapped to footbridge.
10. Remove footbridge.
11. Remove any ancillaries (cabling, etc).
12. Relocate fence to reduce compound size. LINZ to confirm extent.
13. Remove wastewater pipes down to 800mm depth out to the boundary with the road reserve and remove the stormwater pipe and associated three WWMHs shown. Cap the line at the road reserve boundary and at each end of the wastewater pipe greater than 800mm depth between the two southern manholes

All wastewater manholes are to be cut down and removed to 1m deep below existing ground level.



Elevated arsenic soil - refer RAP

Contractor to trace pipe and remove any remaining sections up to 800mm depth.

LEGEND - GENERAL

- Ex WW Line
- Ex WW Manhole
- Ex WW Line (Low confidence)
- Ex WW Manhole (Assumed)
- Ex Line (to be abandoned and removed)
- Waahi Tapu
- Wetland Extent and 10m Buffer
- Ex WW MH to be removed
- Approx. stream alignment

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	FK	18.09.24			
CHECKED	SF	18.09.24			
REVISION	CHANGES		CHECKED	DATE	
A	ISSUE FOR RESOURCE CONSENT		SF	18/09/24	
B	EXTRA WASTEWATER ADDED		SF	04/11/24	

- NOTES
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PROJECT
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE
WASTEWATER TREATMENT
PLANT DEMOLITION WORKS



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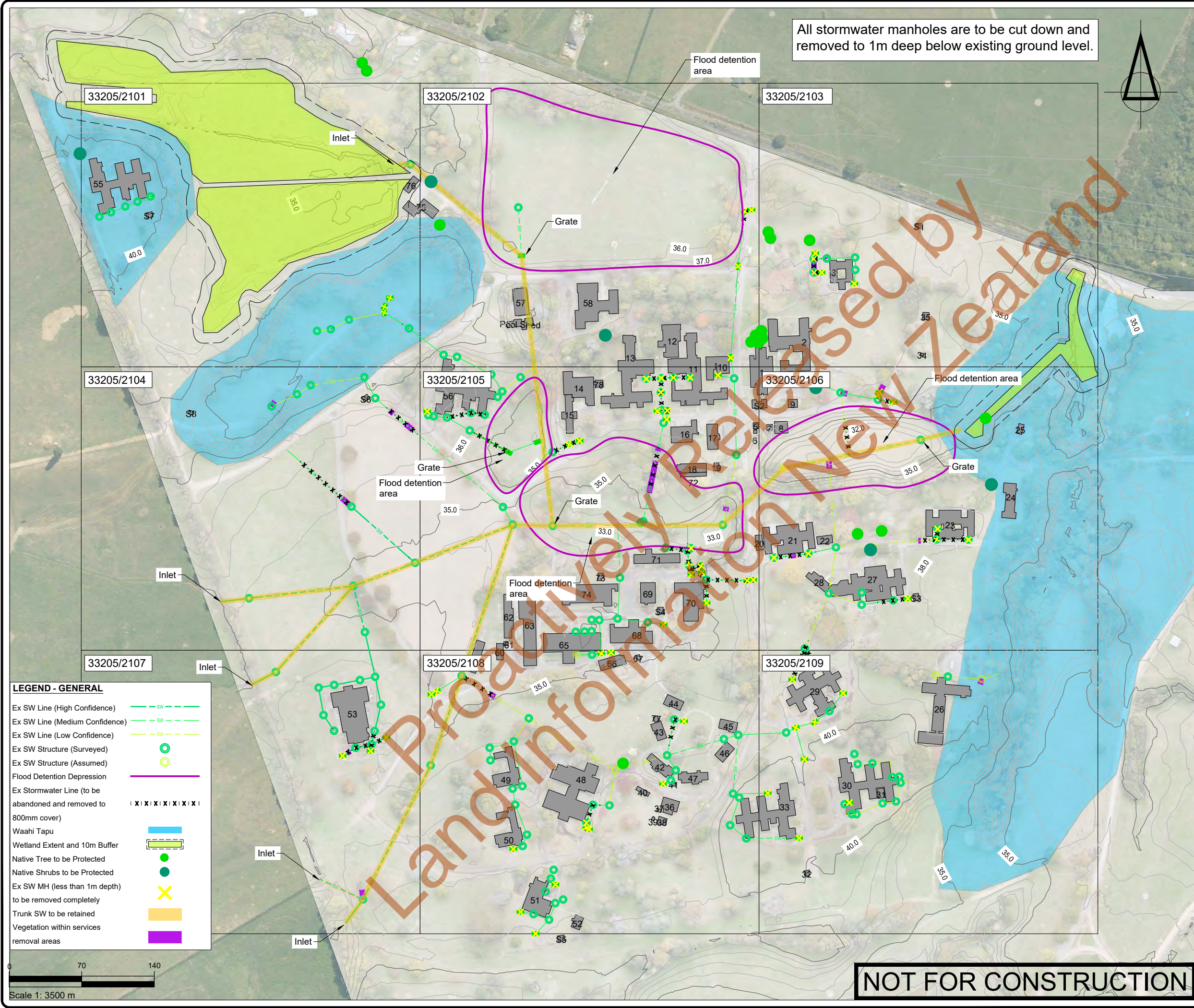
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STATUS	
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SCALE	1:500 (A3)
DRAWING No	33205/2010
REVISION	B

NOT FOR CONSTRUCTION

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SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

STORMWATER DEMOLITION
PLAN LAYOUT

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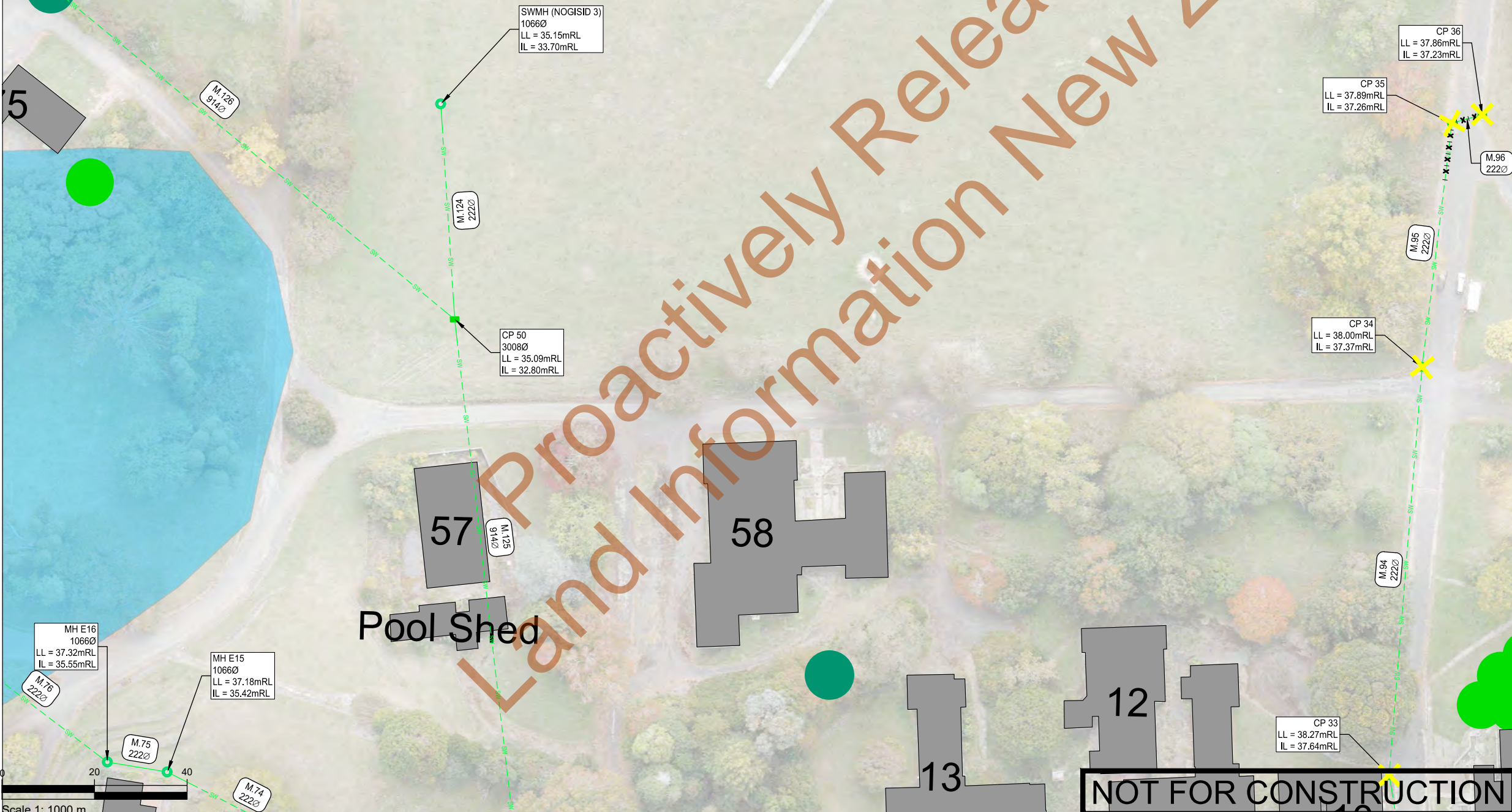
STATUS		FOR RESOURCE CONSENT	
		Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	1:3500	(A3)	
DRAWING No	33205/2100	REVISION	D

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LEGEND - GENERAL

Ex SW Line (High Confidence)	
Ex SW Line (Medium Confidence)	
Ex SW Line (Low Confidence)	
Ex SW Structure (Surveyed)	
Ex SW Structure (Assumed)	
Flood Detention Depression	
Ex Stormwater Line (to be abandoned and removed to 800mm cover)	
Waahi Tapu	
Wetland Extent and 10m Buffer	
Native Tree to be Protected	
Native Shrubs to be Protected	
Ex SW MH (less than 1m depth) to be removed completely	
Trunk SW to be retained	
Vegetation within services removal areas	

All stormwater manholes are to be cut down and removed to 1m deep below existing ground level.



SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

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 - Non trunk lines connecting to the trunk stormwater line are to be capped.
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PROJECT
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE
STORMWATER DEMOLITION
PLAN (SHEET 2 OF 9)

Fraser Thomas

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STATUS FOR RESOURCE CONSENT	
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SCALE 1:1000	(A3)
DRAWING No 33205/2102	REVISION D

LEGEND - GENERAL

Ex SW Line (High Confidence) ——— SW ———

Ex SW Line (Medium Confidence) ——— SW ———

Ex SW Line (Low Confidence) ——— SW ———

Ex SW Structure (Surveyed) ○

Ex SW Structure (Assumed) ○

Flood Detention Depression ———

Ex Stormwater Line (to be abandoned and removed to 800mm cover) ——— X ———

Waahi Tapu ———

Wetland Extent and 10m Buffer ———

Native Tree to be Protected ●

Native Shrubs to be Protected ●

Ex SW MH (less than 1m depth) to be removed completely X

Trunk SW to be retained ———

Vegetation within services removal areas ———

All stormwater manholes are to be cut down and removed to 1m deep below existing ground level.



SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

STORMWATER DEMOLITION
PLAN (SHEET 3 OF 9)



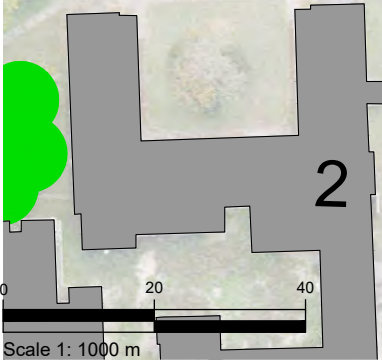
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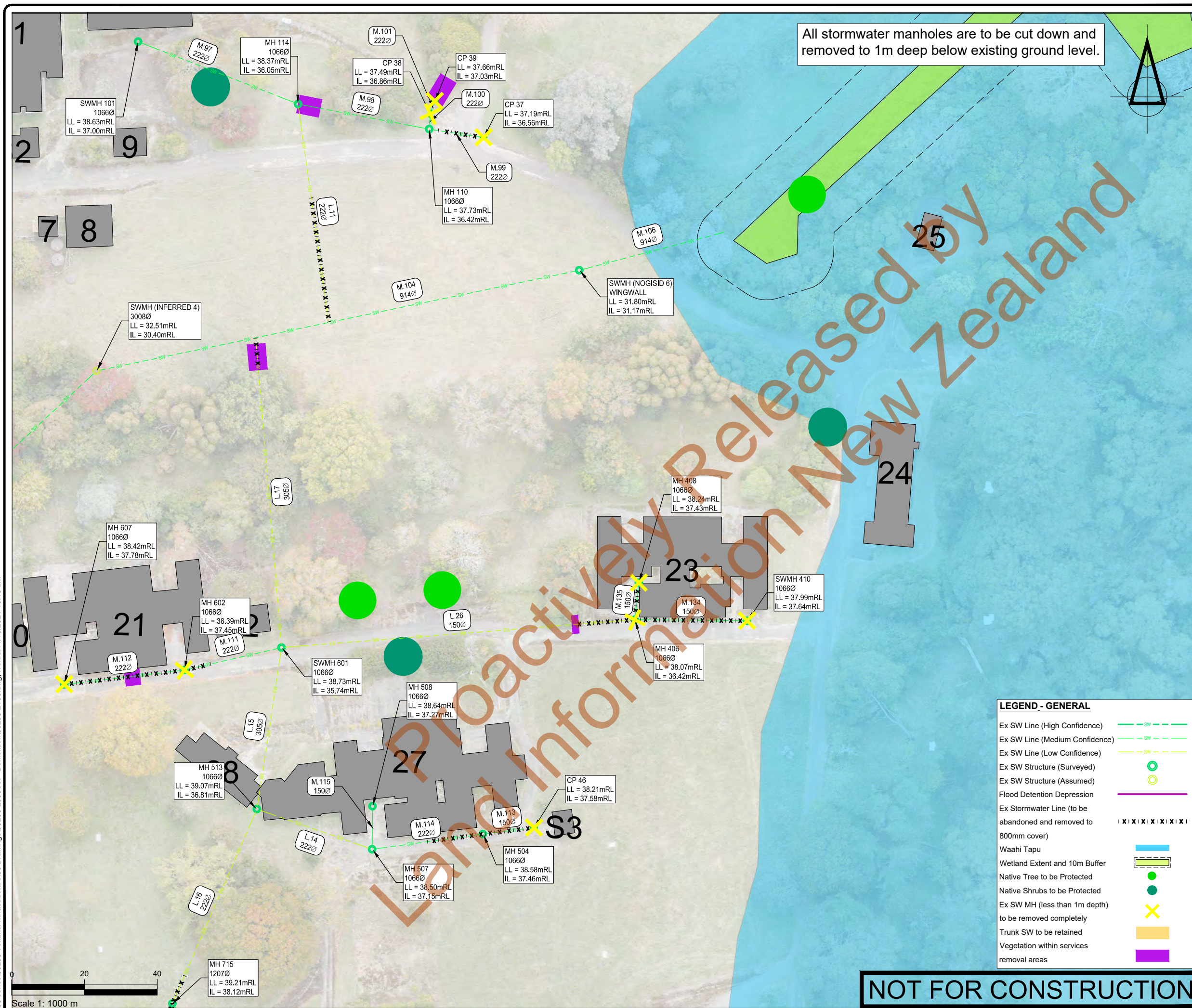
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SCALE	1:1000 (A3)
DRAWING No	33205/2103
REVISION	D



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[illegible]

- NOTES**
1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 3. Any trapped water in services to be removed shall be removed by vacuum truck and disposed of off-site to an appropriate liquid waste receiving facility. Alternative disposal to stormwater will only be considered if water quality testing confirms this is acceptable.
 4. All stormwater pipes to be removed to 800mm depth (to top of pipe), with any residual pipes left in the ground capped or plugged.
 5. Non trunk lines connecting to the trunk stormwater line are to be capped.
 6. If during this process, new pipes <800mm depth (to top of pipe) are found that are not shown on the demolition drawings, advise LINZ project manager/site representative, who will issue instruction for any additional removal works.
 7. Survey the locations of any pipes/structures left in the ground and include on asbuilt plans.
 8. Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

STORMWATER DEMOLITION
PLAN (SHEET 6 OF 9)



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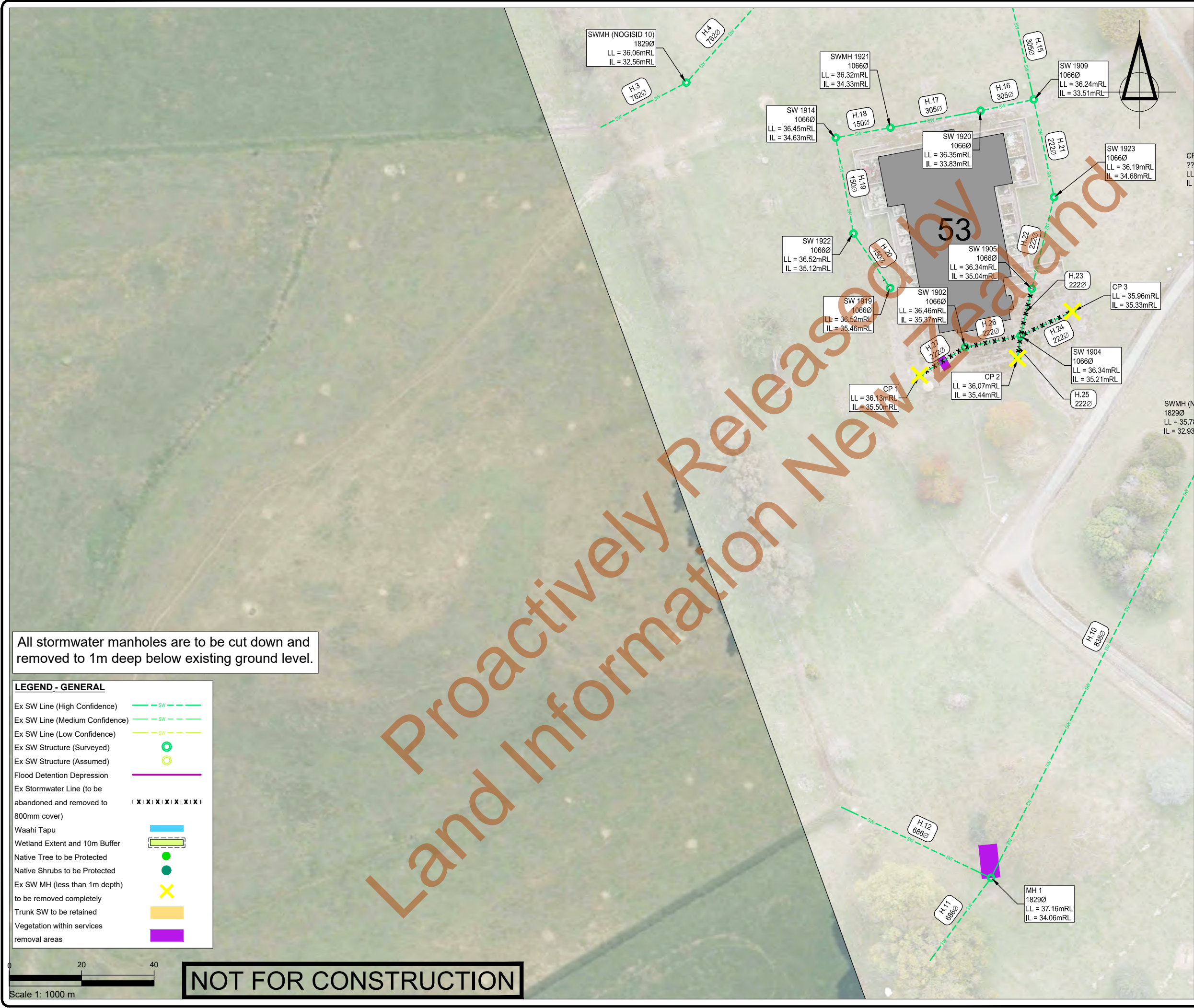
STATUS

FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:1000 (A3)

DRAWING No 33205/2106 REVISION D



All stormwater manholes are to be cut down and removed to 1m deep below existing ground level.

LEGEND - GENERAL

Ex SW Line (High Confidence)	---
Ex SW Line (Medium Confidence)	---
Ex SW Line (Low Confidence)	---
Ex SW Structure (Surveyed)	○
Ex SW Structure (Assumed)	○
Flood Detention Depression	---
Ex Stormwater Line (to be abandoned and removed to 800mm cover)	XXXXXX
Waahi Tapu	---
Wetland Extent and 10m Buffer	---
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Ex SW MH (less than 1m depth) to be removed completely	X
Trunk SW to be retained	---
Vegetation within services removal areas	---

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

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 4. All stormwater pipes to be removed to 800mm depth (to top of pipe), with any residual pipes left in the ground capped or plugged.
 5. Non trunk lines connecting to the trunk stormwater line are to be capped.
 6. If during this process, new pipes <800mm depth (to top of pipe) are found that are not shown on the demolition drawings, advise LINZ project manager/site representative, who will issue instruction for any additional removal works.
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 8. Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

STORMWATER DEMOLITION
PLAN (SHEET 7 OF 9)



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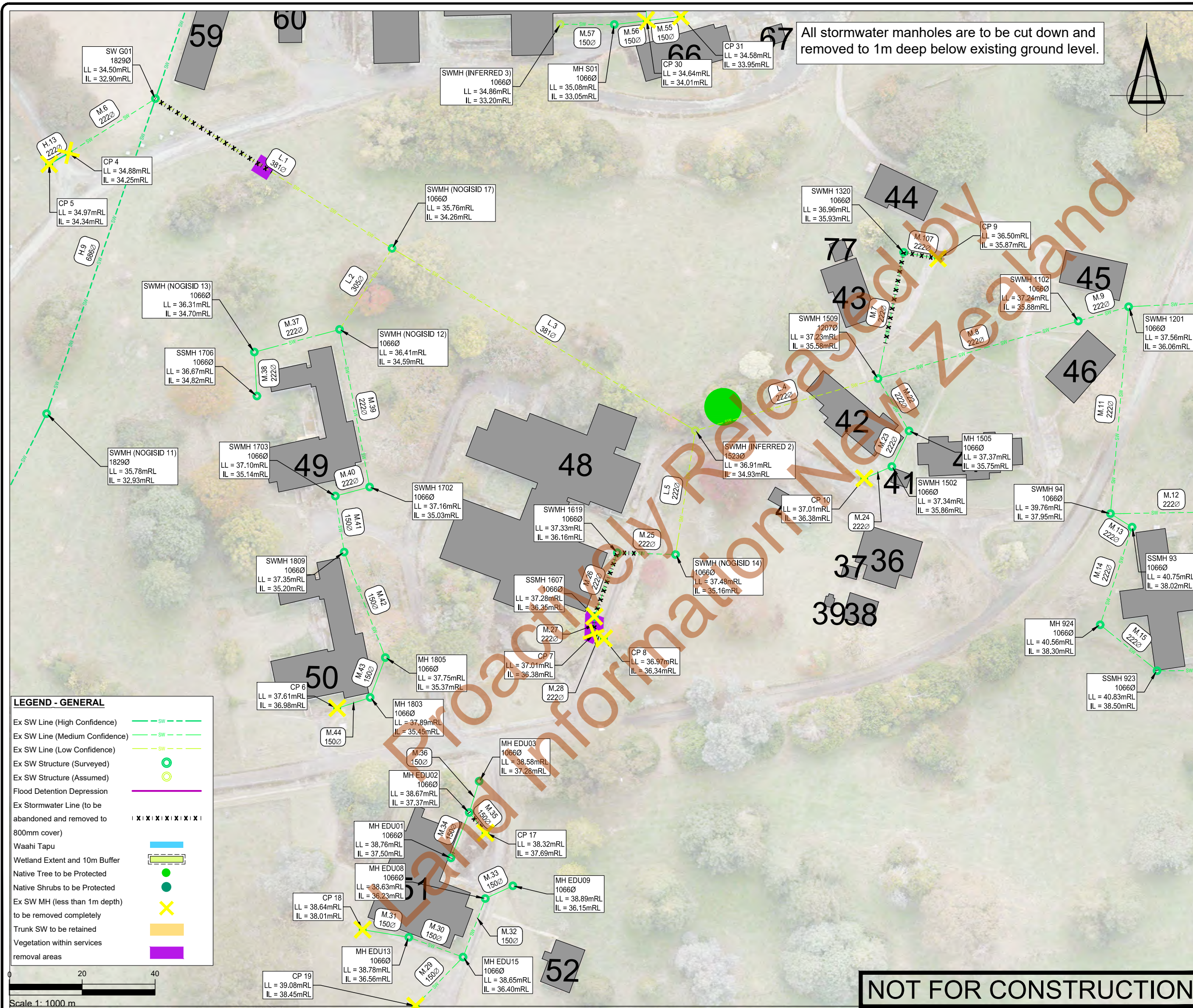
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REVISION	D

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STORMWATER DEMOLITION
PLAN (SHEET 8 OF 9)



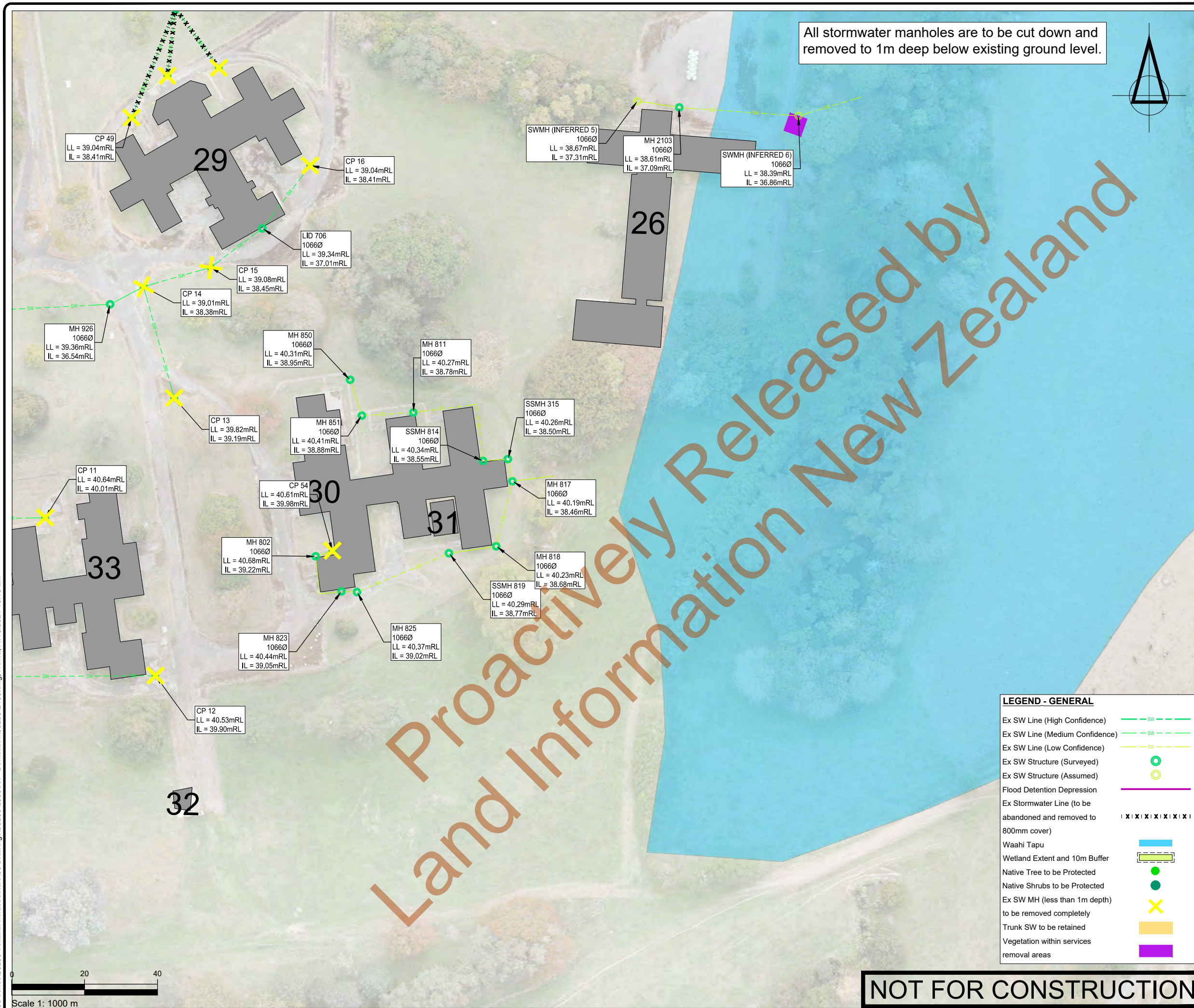
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DRAWING No	33205/2108	REVISION
		D



All stormwater manholes are to be cut down and removed to 1m deep below existing ground level.

[illegible]

- ## NOTES
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PROJECT

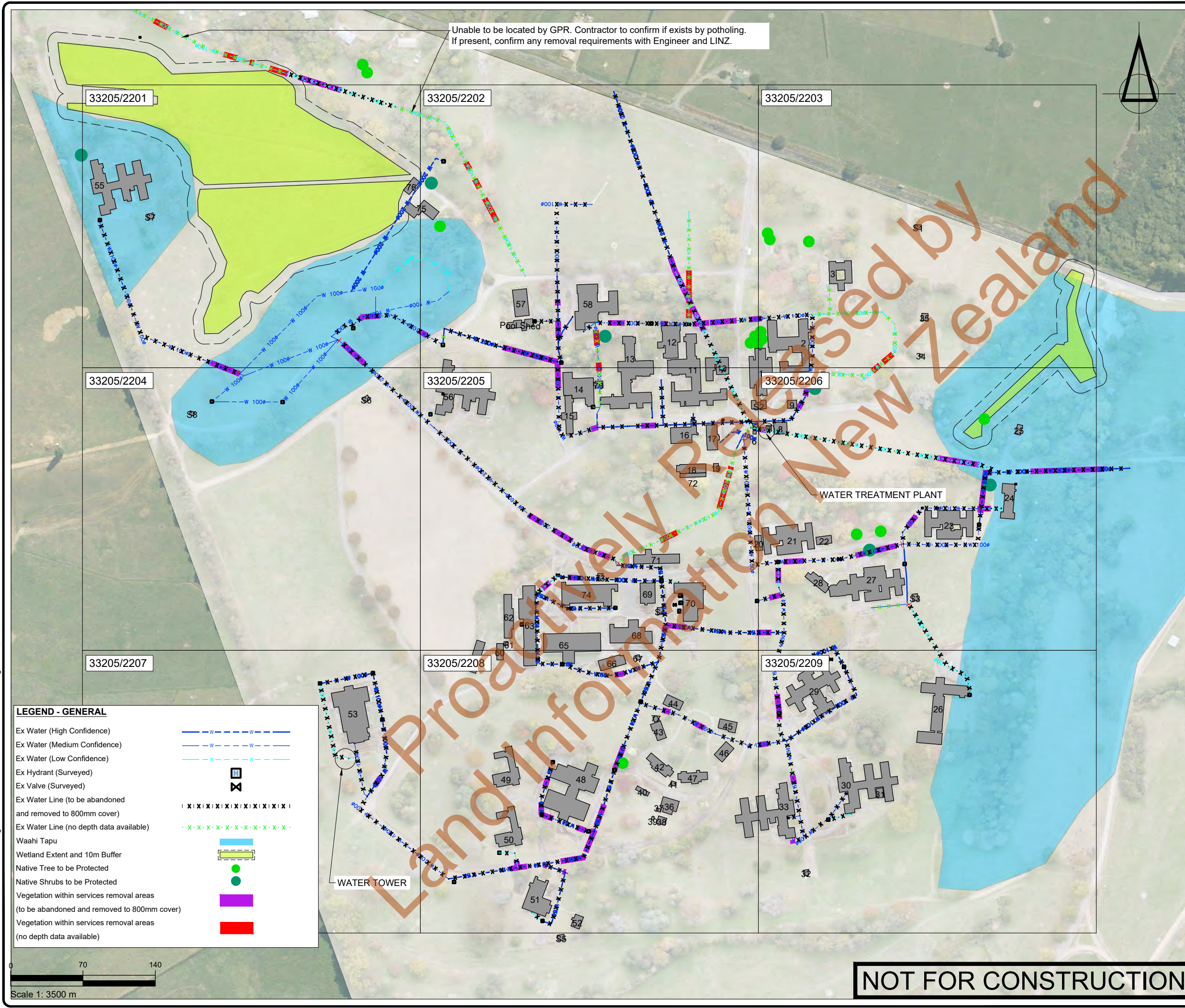
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

STORMWATER DEMOLITION
PLAN (SHEET 9 OF 9)

STATUS	
<h1>FOR RESOURCE CONSENT</h1> <p>Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p>	
SCALE	1:1000 (A3)
DRAWING No	REVISION
33205/2109	D

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SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
LAYOUT

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SCALE 1:3500 (A3)

DRAWING No 33205/2200 REVISION D

P:333 series33205 Tokanui Infrastructure03 Drawings33205-2000Set - Demolition33205-2201.dwg, f:\hohra,11\10\2021 10:18 am

LEGEND - GENERAL

Ex Water (High Confidence)	
Ex Water (Medium Confidence)	
Ex Water (Low Confidence)	
Ex Hydrant (Surveyed)	
Ex Valve (Surveyed)	
Ex Water Line (to be abandoned and removed to 800mm cover)	
Ex Water Line (no depth data available)	
Waahi Tapu	
Wetland Extent and 10m Buffer	
Native Tree to be Protected	
Native Shrubs to be Protected	
Vegetation within services removal areas (to be abandoned and removed to 800mm cover)	
Vegetation within services removal areas (no depth data available)	

Unable to be located by GPR. Contractor to confirm if exists by potholing.
If present, confirm any removal requirements with Engineer and LINZ.

Assumed 100Ø Stainless Steel Pipe (not found during investigations)



55

S7

76

100NB Asbestos Cement

200NB Ductile Iron

100NB Ductile Iron

100NB Ductile Iron

100NB Ductile Iron

Change in pipe material to non metal due to service scanners not being able to locate the pipe

200NB Asbestos Cement

NOT FOR CONSTRUCTION

Scale 1: 1000 m

SURVEYED	BSCL	24.04.23	APPROVED	DATE
DESIGNED	DK	31.05.23	SF	31.05.23
DRAWN	DK	31.05.23		
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REVISION	CHANGES		CHECKED	DATE
-	ISSUE FOR INFORMATION		SF	12/12/23
A	ADDITIONAL INFO ADDED		SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24
D	ADDED AFFECTED VEGETATION		SF	06/11/24

- NOTES
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PROJECT
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE
WATER DEMOLITION PLAN
(SHEET 1 OF 9)



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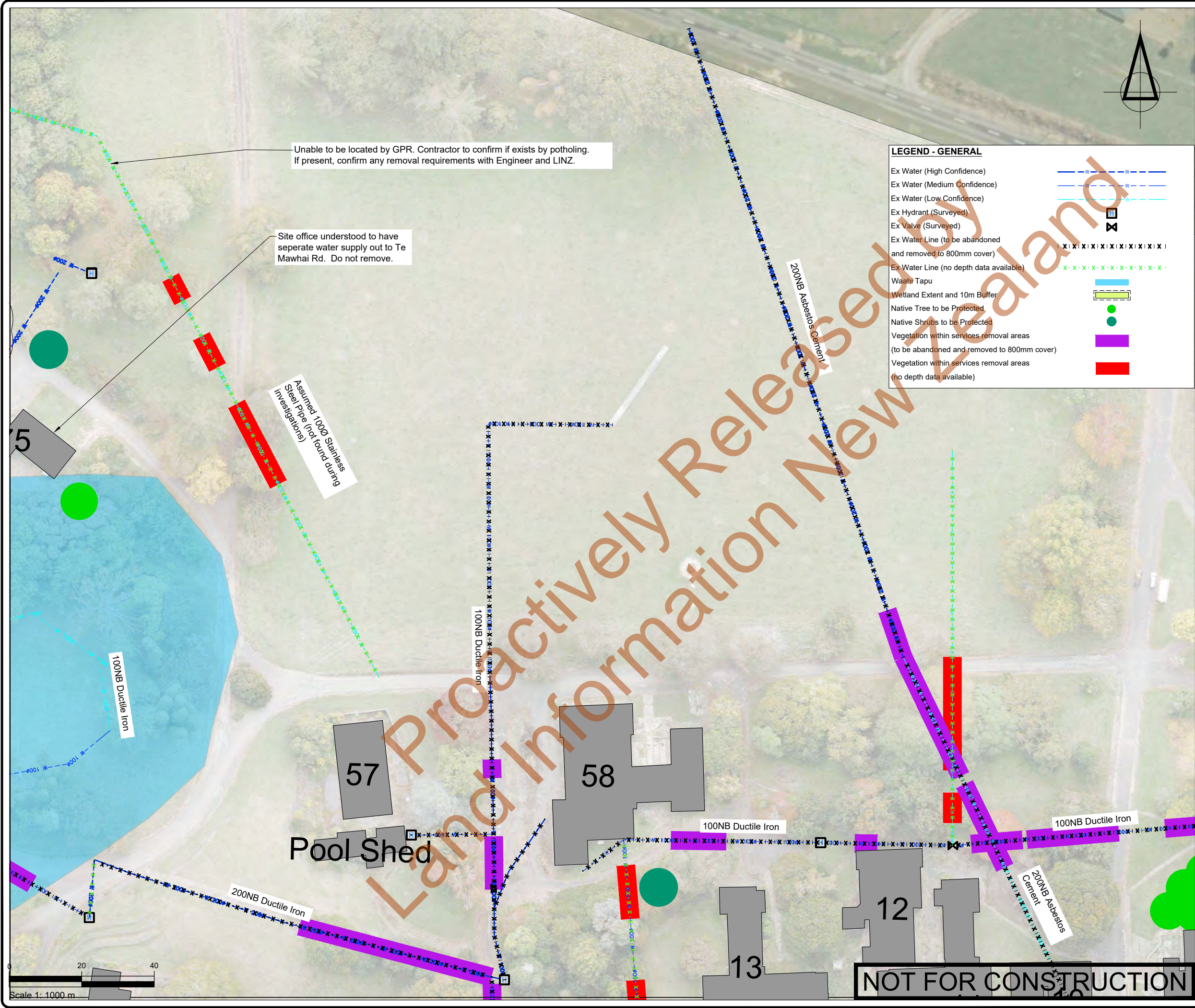
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DRAWING No	33205/2201
REVISION	D

P:\33 series\33205 Tokanui Infrastructure\03 Drawings\33205-2202.dwg, f:\ohra, 11/10/2021 10:18 am



LEGEND - GENERAL

Ex Water (High Confidence)	
Ex Water (Medium Confidence)	
Ex Water (Low Confidence)	
Ex Hydrant (Surveyed)	
Ex Valve (Surveyed)	
Ex Water Line (to be abandoned and removed to 800mm cover)	
Ex Water Line (no depth data available)	
Waahi Tapu	
Wetland Extent and 10m Buffer	
Native Tree to be Protected	
Native Shrubs to be Protected	
Vegetation within services removal areas (to be abandoned and removed to 800mm cover)	
Vegetation within services removal areas (no depth data available)	

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
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REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
(SHEET 2 OF 9)

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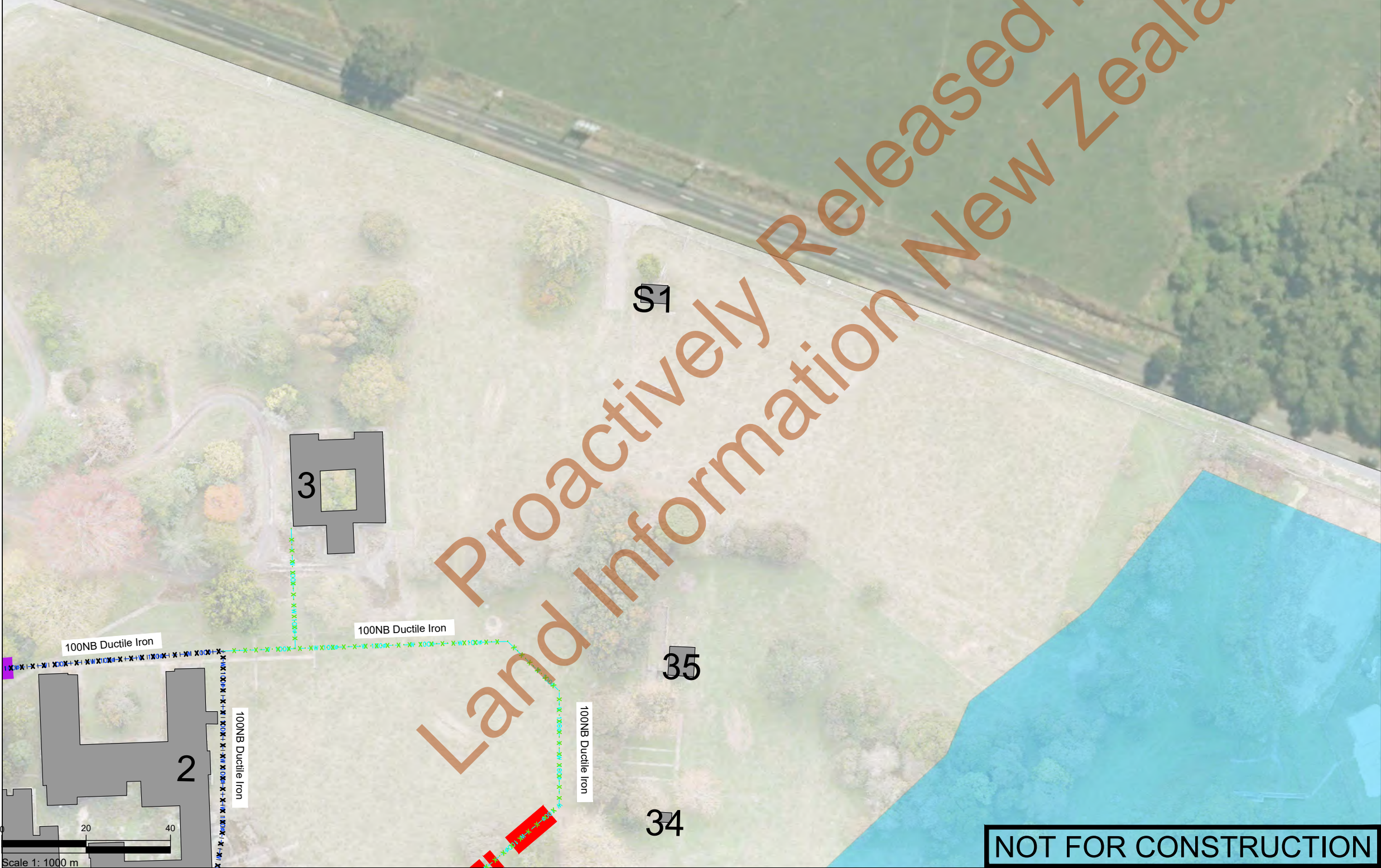
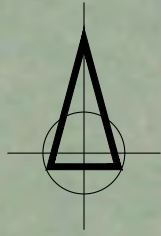
SCALE 1:1000 (A3)

DRAWING No 33205/2202 REVISION D

P:\33 series\33205 Tokanui Infrastructure\03 Drawings\33205-2000Set - Demolition\33205-2203.dwg, f:\ohra, 11/10/2021 10:18 am

LEGEND - GENERAL

Ex Water (High Confidence)	— W — — — W — — —
Ex Water (Medium Confidence)	— W — — — W — — —
Ex Water (Low Confidence)	— W — — — W — — —
Ex Hydrant (Surveyed)	
Ex Valve (Surveyed)	
Ex Water Line (to be abandoned and removed to 800mm cover)	x x x x x x x x x x
Ex Water Line (no depth data available)	· x · x · x · x · x · x · x · x · x · x ·
Waahi Tapu	
Wetland Extent and 10m Buffer	
Native Tree to be Protected	
Native Shrubs to be Protected	
Vegetation within services removal areas (to be abandoned and removed to 800mm cover)	
Vegetation within services removal areas (no depth data available)	



SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

- NOTES
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PROJECT
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE
WATER DEMOLITION PLAN
(SHEET 3 OF 9)



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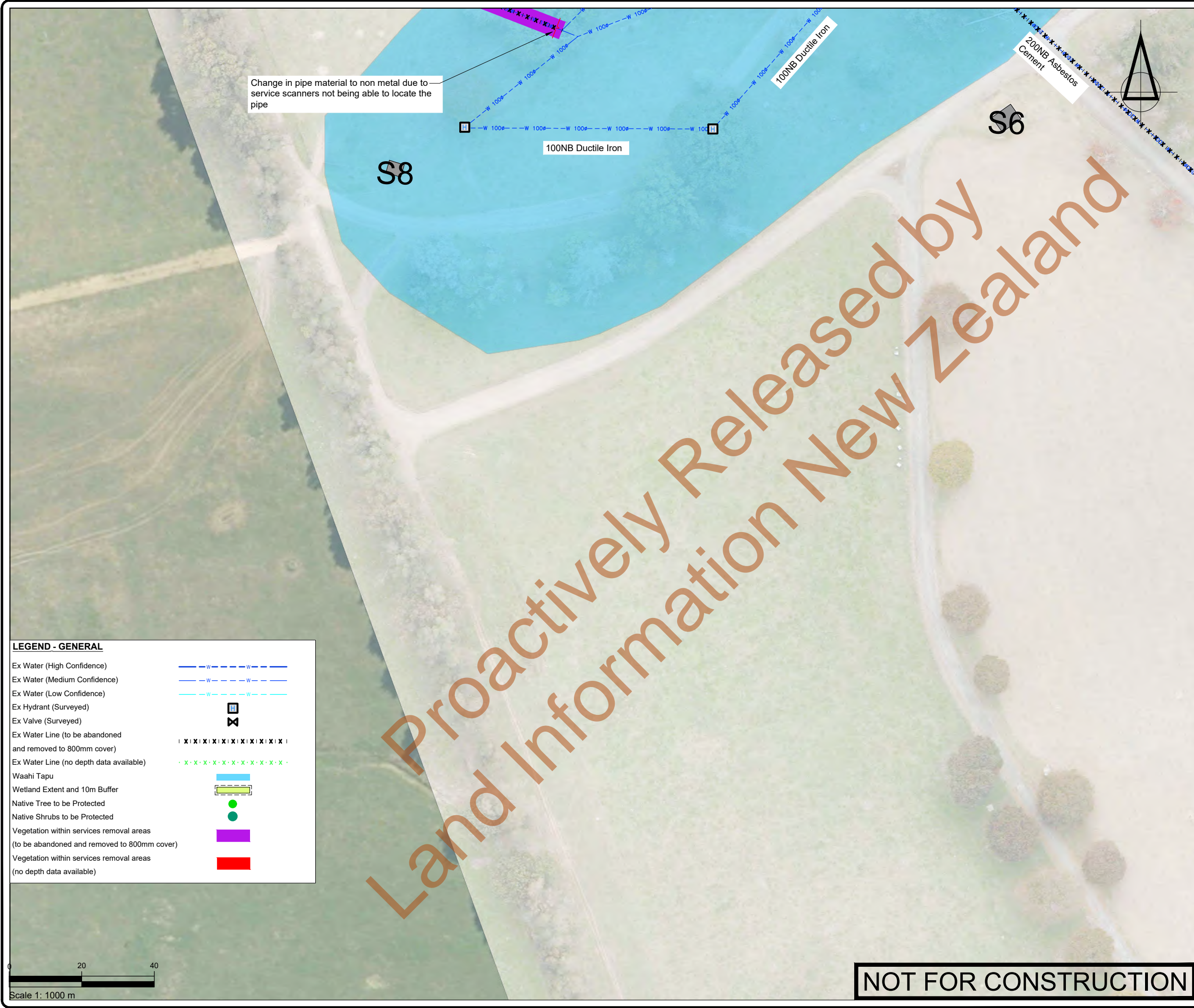
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DRAWING No 33205/2203	REVISION D

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LEGEND - GENERAL	
Ex Water (High Confidence)	— W ——— W ———
Ex Water (Medium Confidence)	— W ——— W ———
Ex Water (Low Confidence)	— W ——— W ———
Ex Hydrant (Surveyed)	■
Ex Valve (Surveyed)	⊗
Ex Water Line (to be abandoned and removed to 800mm cover)	X X X X X X X X X X
Ex Water Line (no depth data available)	· X · X · X · X · X · X · X · X · X · X ·
Waahi Tapu	■
Wetland Extent and 10m Buffer	■
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Vegetation within services removal areas (to be abandoned and removed to 800mm cover)	■
Vegetation within services removal areas (no depth data available)	■

SURVEYED	BSCL	24.04.23	APPROVED	DATE
DESIGNED	DK	31.05.23	SF	31.05.23
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C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24
D	ADDED AFFECTED VEGETATION		SF	06/11/24

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
(SHEET 4 OF 9)



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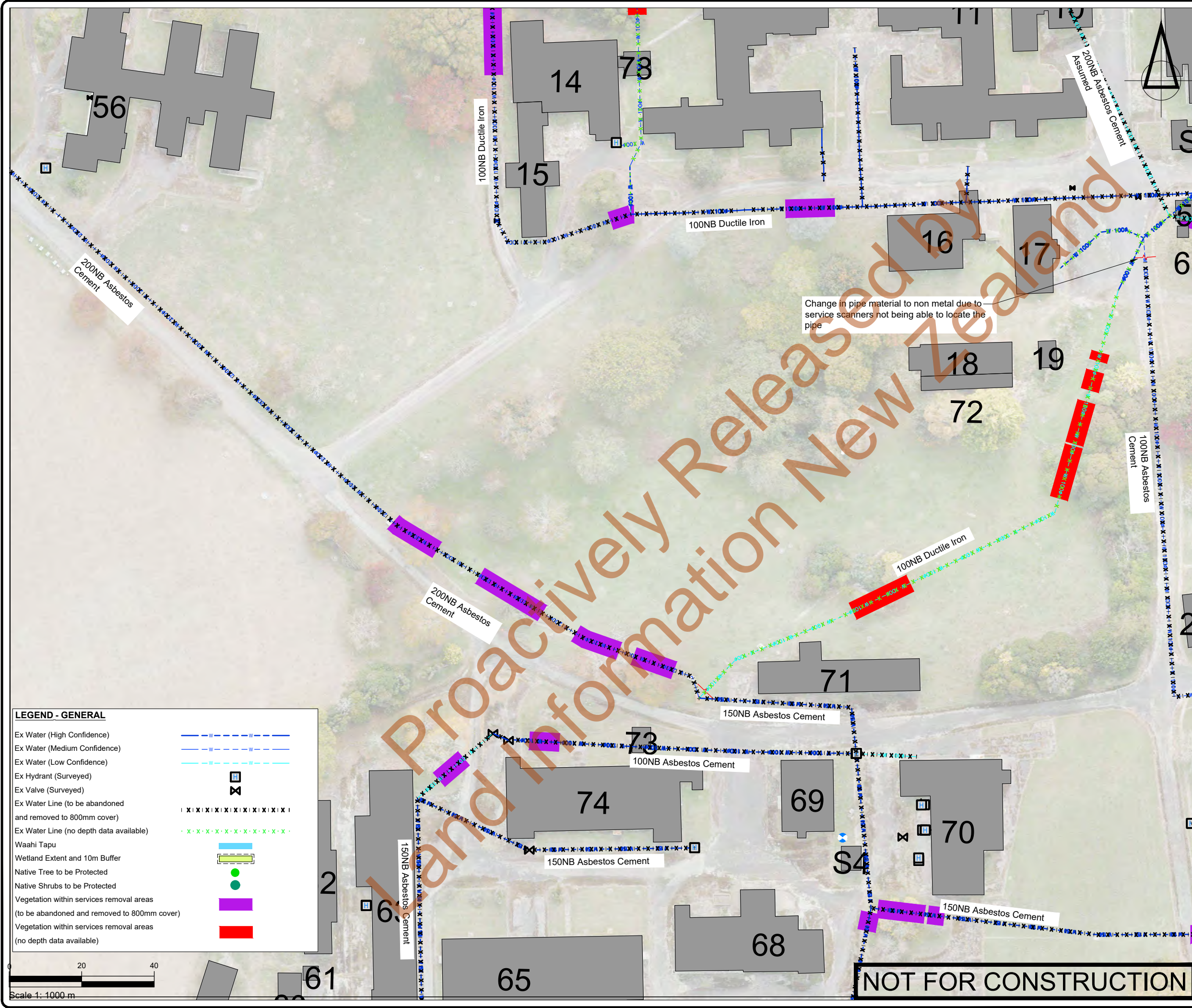
STATUS

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SCALE	1:1000	(A3)
DRAWING No	33205/2204	REVISION
		D

P:333 series33205 Tokanui Infrastructure03 Drawings33205-2205.dwg, f:\ohra,11/10/2021 10:18 am



LEGEND - GENERAL	
Ex Water (High Confidence)	---
Ex Water (Medium Confidence)	---
Ex Water (Low Confidence)	---
Ex Hydrant (Surveyed)	■
Ex Valve (Surveyed)	●
Ex Water Line (to be abandoned and removed to 800mm cover)	
Ex Water Line (no depth data available)	· · · · ·
Waahi Tapu	■
Wetland Extent and 10m Buffer	■
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Vegetation within services removal areas (to be abandoned and removed to 800mm cover)	■
Vegetation within services removal areas (no depth data available)	■

SURVEYED	BSCL	24.04.23	APPROVED SF 31.05.23	DATE	
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
-	ISSUE FOR INFORMATION			SF	12/12/23
A	ADDITIONAL INFO ADDED			SF	04/03/24
B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
(SHEET 5 OF 9)



Fraser Thomas

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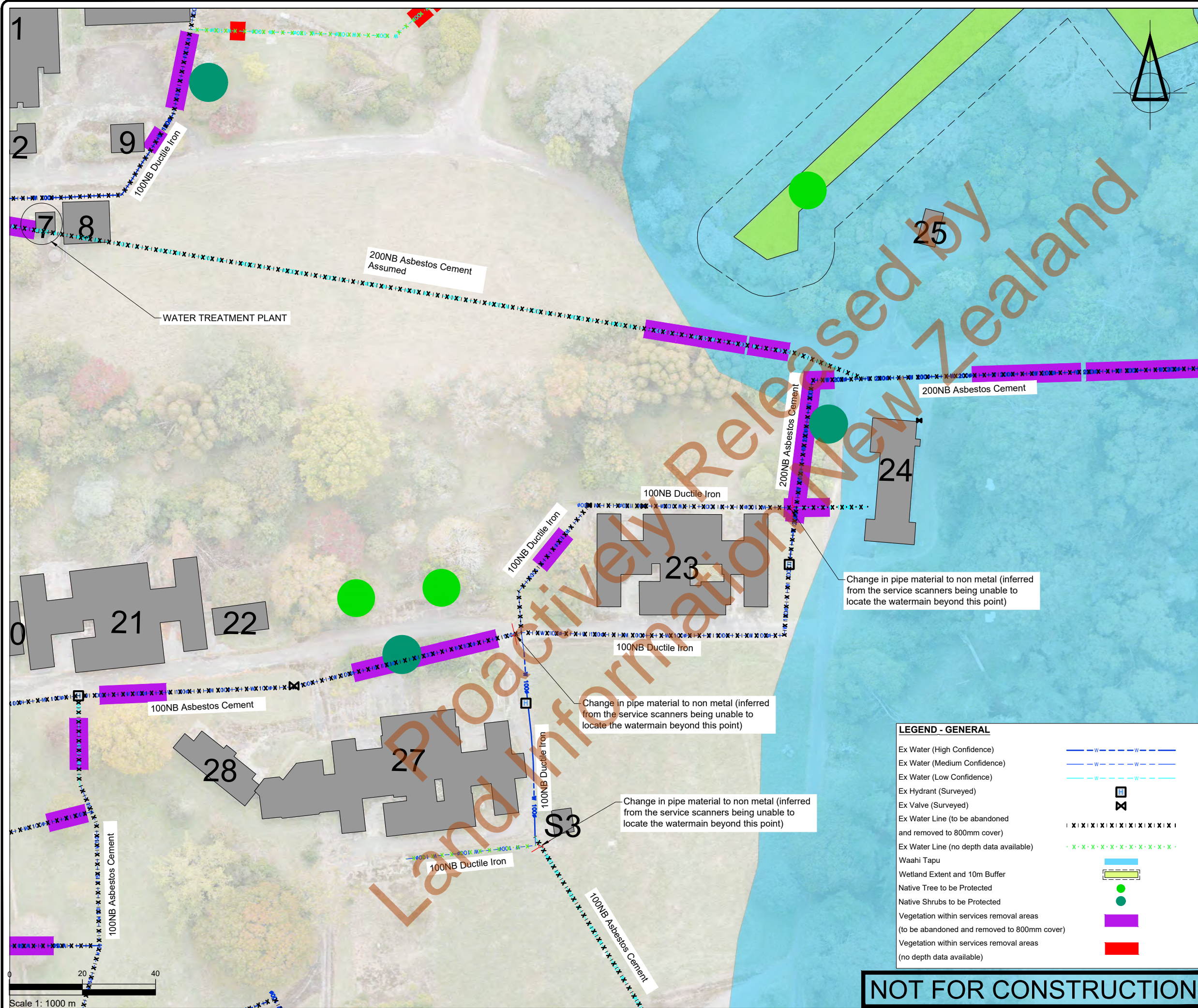
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SCALE	1:1000 (A3)
DRAWING No	33205/2205
REVISION	D

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SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
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CHECKED	SF	31.05.23			
REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED AFFECTED VEGETATION		SF	06/11/24	

- NOTES
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 - All water valve boxes are to be excavated and removed.
 - All AC pipes to be removed. Connections from non AC pipes to be capped and abandoned.
 - Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
(SHEET 6 OF 9)



**Fraser
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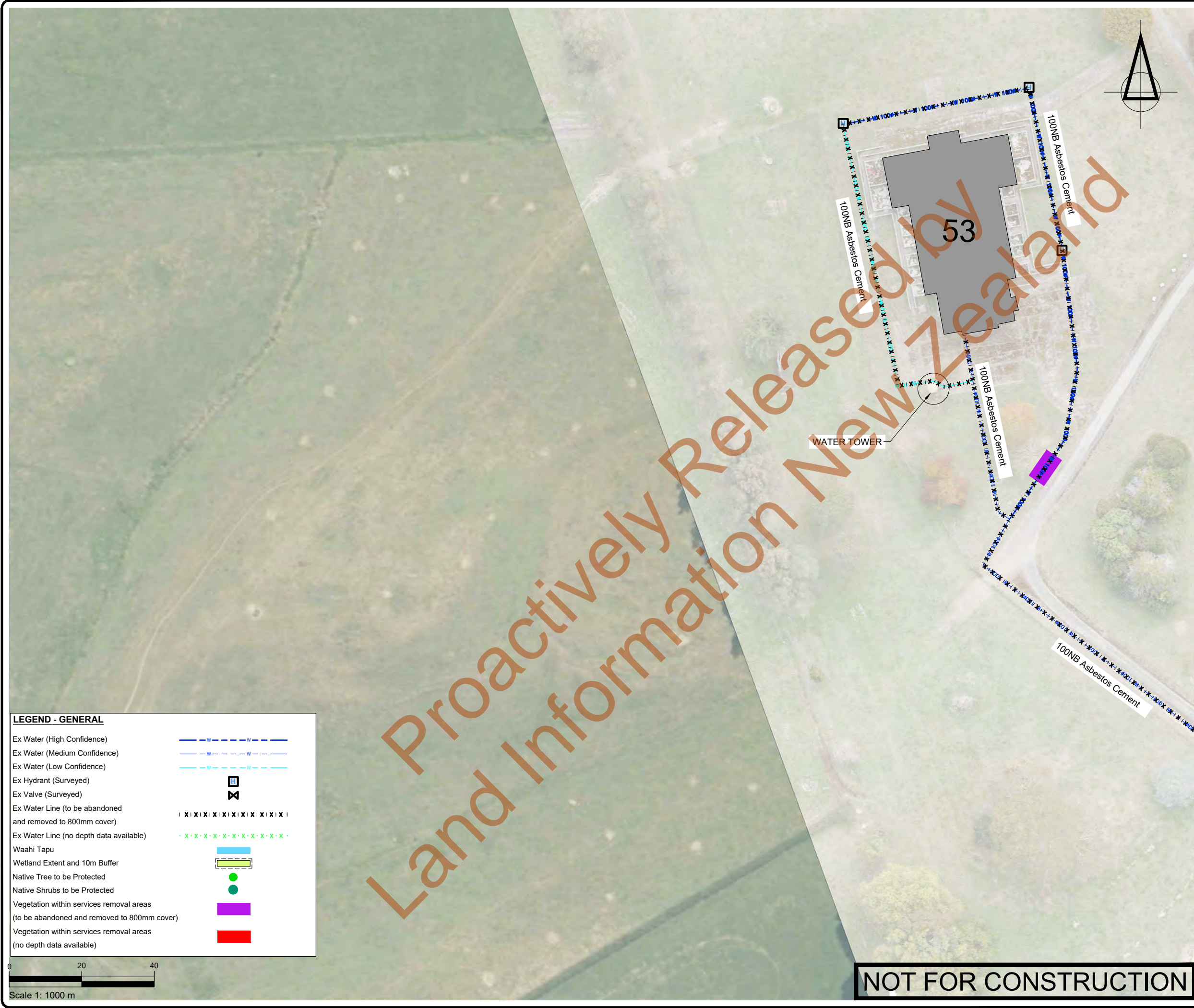
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DRAWING No	33205/2206	REVISION	D

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LEGEND - GENERAL

Ex Water (High Confidence)

Ex Water (Medium Confidence)

Ex Water (Low Confidence)

Ex Hydrant (Surveyed)

Ex Valve (Surveyed)

Ex Water Line (to be abandoned and removed to 800mm cover)

Ex Water Line (no depth data available)

Waahi Tapu

Wetland Extent and 10m Buffer

Native Tree to be Protected

Native Shrubs to be Protected

Vegetation within services removal areas (to be abandoned and removed to 800mm cover)

Vegetation within services removal areas (no depth data available)

0

20

40

Scale 1: 1000 m

NOT FOR CONSTRUCTION

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
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B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

- NOTES
1.

All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
2.

Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
3.

All water valve boxes are to be excavated and removed.
4.

All AC pipes to be removed. Connections from non AC pipes to be capped and abandoned.
5.

Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
(SHEET 7 OF 9)

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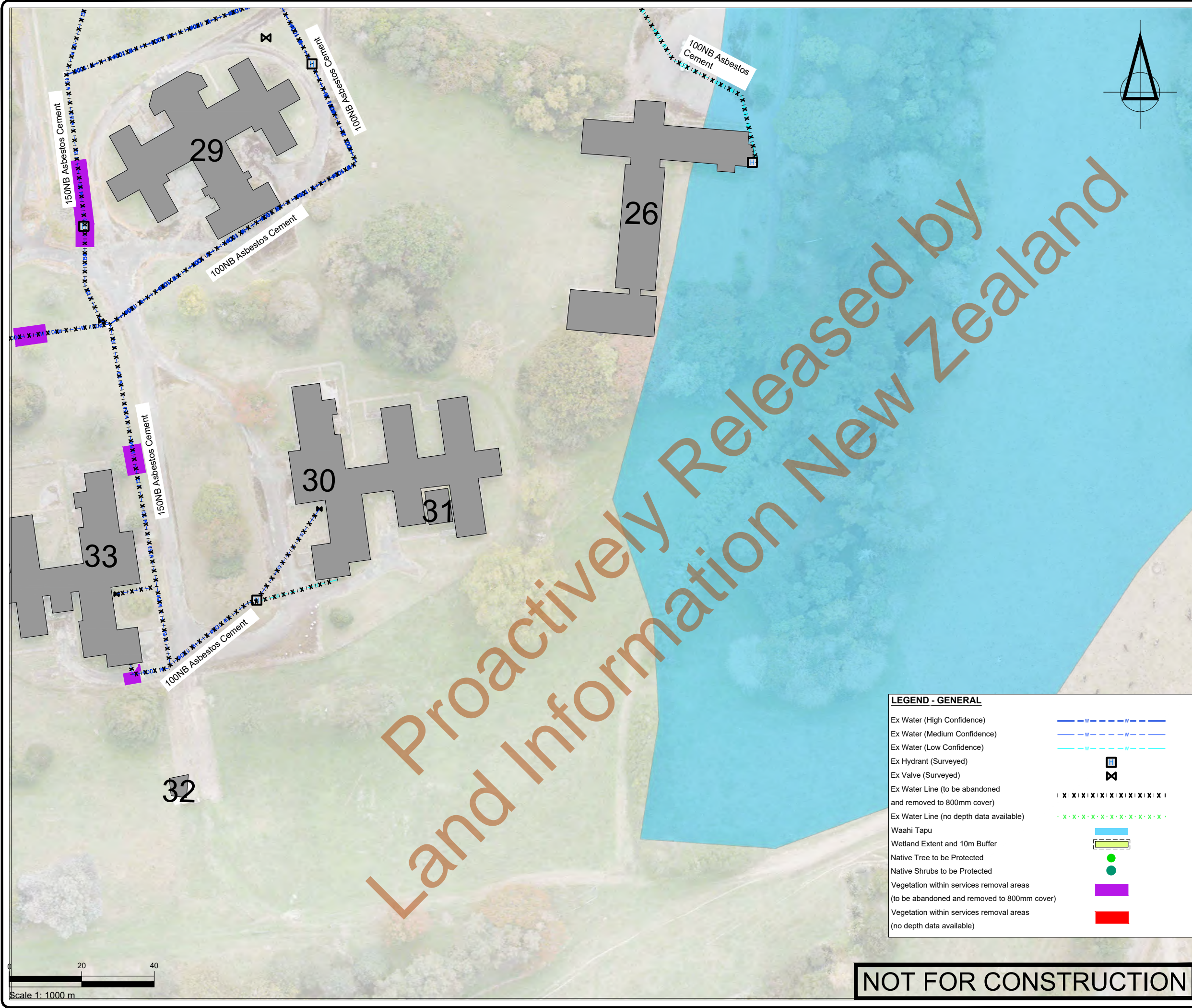
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DRAWING No	33205/2207
REVISION	D

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LEGEND - GENERAL

Ex Water (High Confidence)	— W — W — W — W —
Ex Water (Medium Confidence)	- - - W - - - W - - -
Ex Water (Low Confidence)	- - - W - - - W - - -
Ex Hydrant (Surveyed)	⊠
Ex Valve (Surveyed)	⊞
Ex Water Line (to be abandoned and removed to 800mm cover)	x x x x x x x x x x
Ex Water Line (no depth data available)	· x · x · x · x · x · x · x · x · x · x ·
Waahi Tapu	⬜
Wetland Extent and 10m Buffer	⬜
Native Tree to be Protected	●
Native Shrubs to be Protected	●
Vegetation within services removal areas (to be abandoned and removed to 800mm cover)	■
Vegetation within services removal areas (no depth data available)	■

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REVISION	CHANGES			CHECKED	DATE
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B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED AFFECTED VEGETATION			SF	06/11/24

- NOTES
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 - All water valve boxes are to be excavated and removed.
 - All AC pipes to be removed. Connections from non AC pipes to be capped and abandoned.
 - Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

WATER DEMOLITION PLAN
(SHEET 9 OF 9)



Fraser Thomas

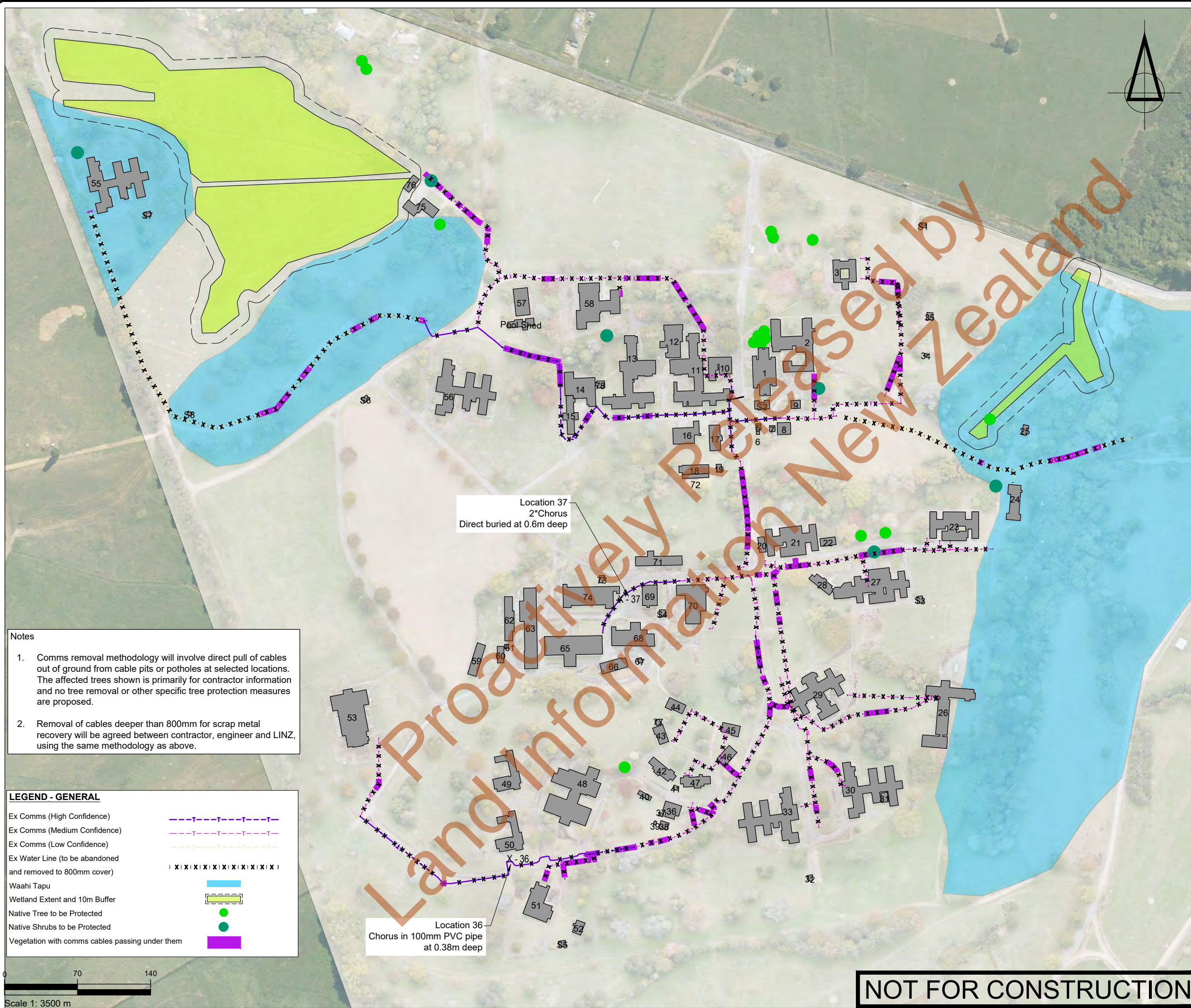
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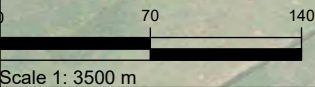


Notes

- Comms removal methodology will involve direct pull of cables out of ground from cable pits or potholes at selected locations. The affected trees shown is primarily for contractor information and no tree removal or other specific tree protection measures are proposed.
- Removal of cables deeper than 800mm for scrap metal recovery will be agreed between contractor, engineer and LINZ, using the same methodology as above.

LEGEND - GENERAL

Ex Comms (High Confidence)	---
Ex Comms (Medium Confidence)	- - -
Ex Comms (Low Confidence)	---
Ex Water Line (to be abandoned and removed to 800mm cover)	XXXXXX
Waahi Tapu	
Wetland Extent and 10m Buffer	
Native Tree to be Protected	
Native Shrubs to be Protected	
Vegetation with comms cables passing under them	



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D	ADDED AFFECTED VEGETATION		SF	06/11/24	

NOTES

- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
- Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
- All comms pits are to be removed.

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

COMMS DEMOLITION PLAN
LAYOUT



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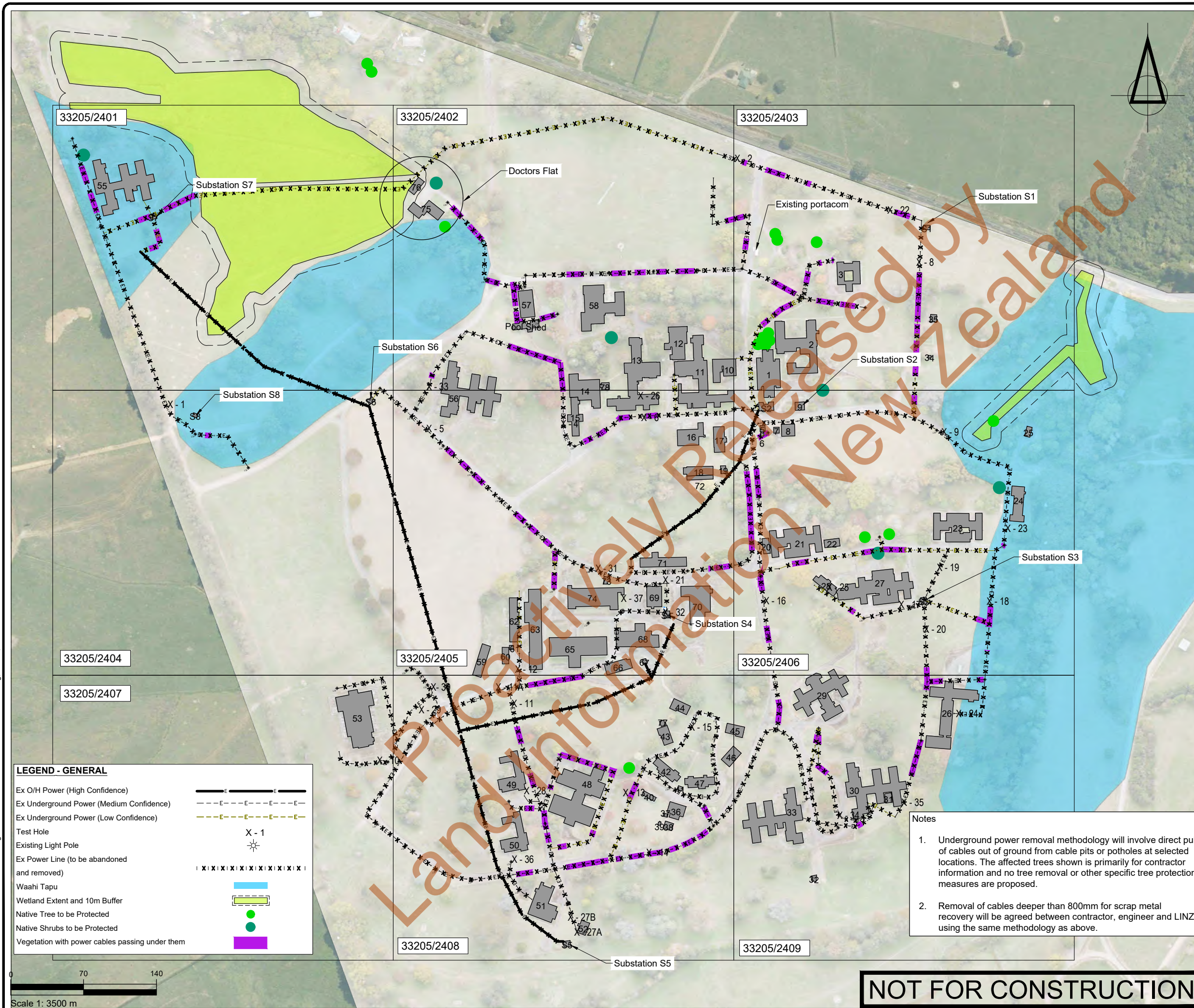
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DRAWING No	33205/2300	REVISION
		D

NOT FOR CONSTRUCTION

[illegible]

- NOTES**
1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting service demolition works.
 3. Existing power layout is based on Civtec field investigations.
 4. All existing above and underground power to be removed, including all poles, boxes and pits.
 5. Power supply to the doctors flat and portacabin to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
 6. SL = street light

CLIENT


TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
LAYOUT



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- Notes
- Underground power removal methodology will involve direct pull of cables out of ground from cable pits or potholes at selected locations. The affected trees shown is primarily for contractor information and no tree removal or other specific tree protection measures are proposed.
 - Removal of cables deeper than 800mm for scrap metal recovery will be agreed between contractor, engineer and LINZ, using the same methodology as above.

SURVEYED	BSCL	24.04.23	APPROVED	DATE
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REVISION	CHANGES		CHECKED	DATE
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B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24
D	ADDED CABLE PROTECTION DETAIL		SF	06/11/24

- NOTES
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 - Existing power layout is based on Civtec field investigations.
 - All existing above and underground power to be removed, including all poles, boxes and pits.
 - Power supply to the doctors flat to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
 - SL = street light

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
(SHEET 2 OF 9)



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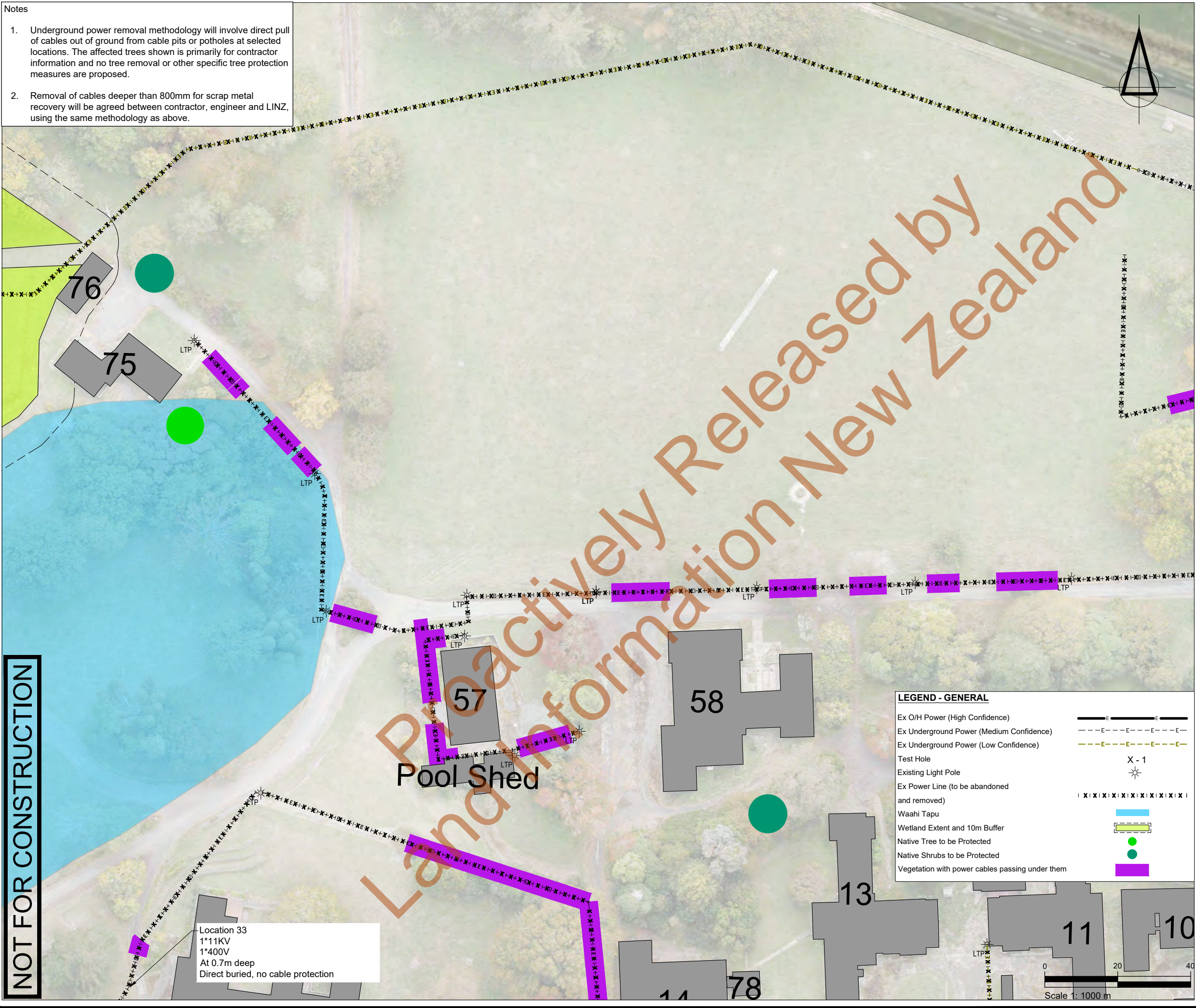
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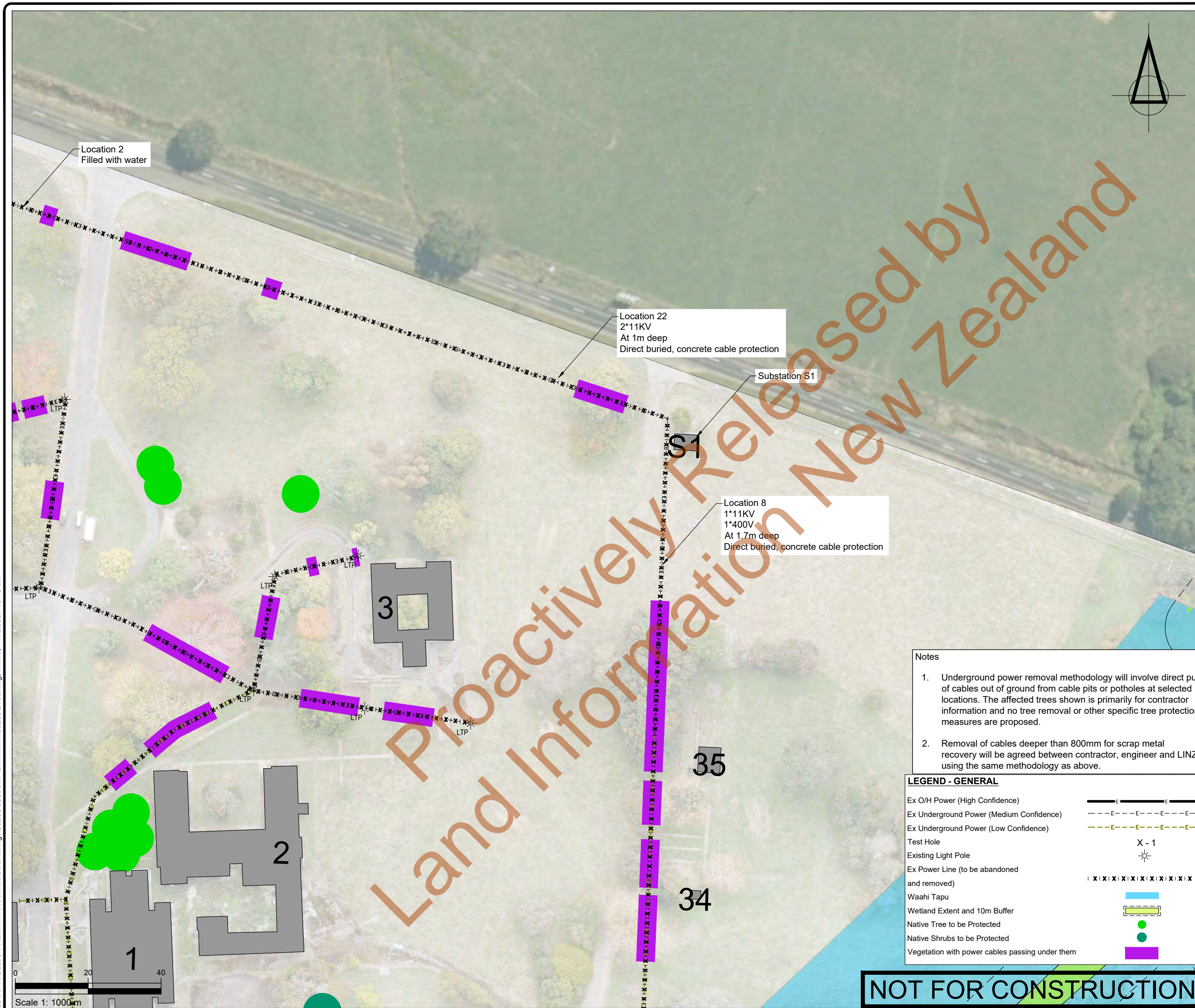
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		D



[illegible]

- NOTES
1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource conservation conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting service demolition works.
 3. Existing power layout is based on Civtec field investigations.
 4. All existing above and underground power to be removed, including all poles, boxes and pits.
 5. Power supply to the doctors flat to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
SL = street light
 - 6.

CLIENT


TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
(SHEET 3 OF 9)



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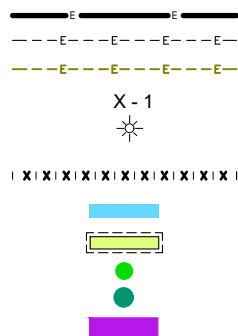
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Ex O/H Power (High Confidence)
Ex Underground Power (Medium Confidence)
Ex Underground Power (Low Confidence)
Test Hole
Existing Light Pole
Ex Power Line (to be abandoned
and removed)
Waahi Tapu
Wetland Extent and 10m Buffer
Native Tree to be Protected
Native Shrubs to be Protected
Vegetation with power cables passing under them

Vegetation with power cables passing under them



Substation S8

Substation S6:

S6

LTP

Proactively Released by
Land Information New Zealand

LTP

LTP

Notes

1. Underground power removal methodology will involve the removal of cables out of ground from cable pits or potholes at the following locations. The affected trees shown is primarily for information and no tree removal or other specific measures are proposed.
2. Removal of cables deeper than 800mm for scrap recovery will be agreed between contractor, engineering and the council.

1. Underground power removal methodology will involve direct pull of cables out of ground from cable pits or potholes at selected locations. The affected trees shown is primarily for contractor information and no tree removal or other specific tree protection measures are proposed.
2. Removal of cables deeper than 800mm for scrap metal recovery will be agreed between contractor, engineer and LINZ, using the same methodology as above.

Scale 1: 1000 m

NOT FOR CONSTRUCTION

[illegible]

NOTES

1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
3. Existing power layout is based on Civtec field investigations.
4. All existing above and underground power to be removed, including all poles, boxes and pits.
5. Power supply to the doctors flat to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
6. SL = street light

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
(SHEET 4 OF 9)



Fraser
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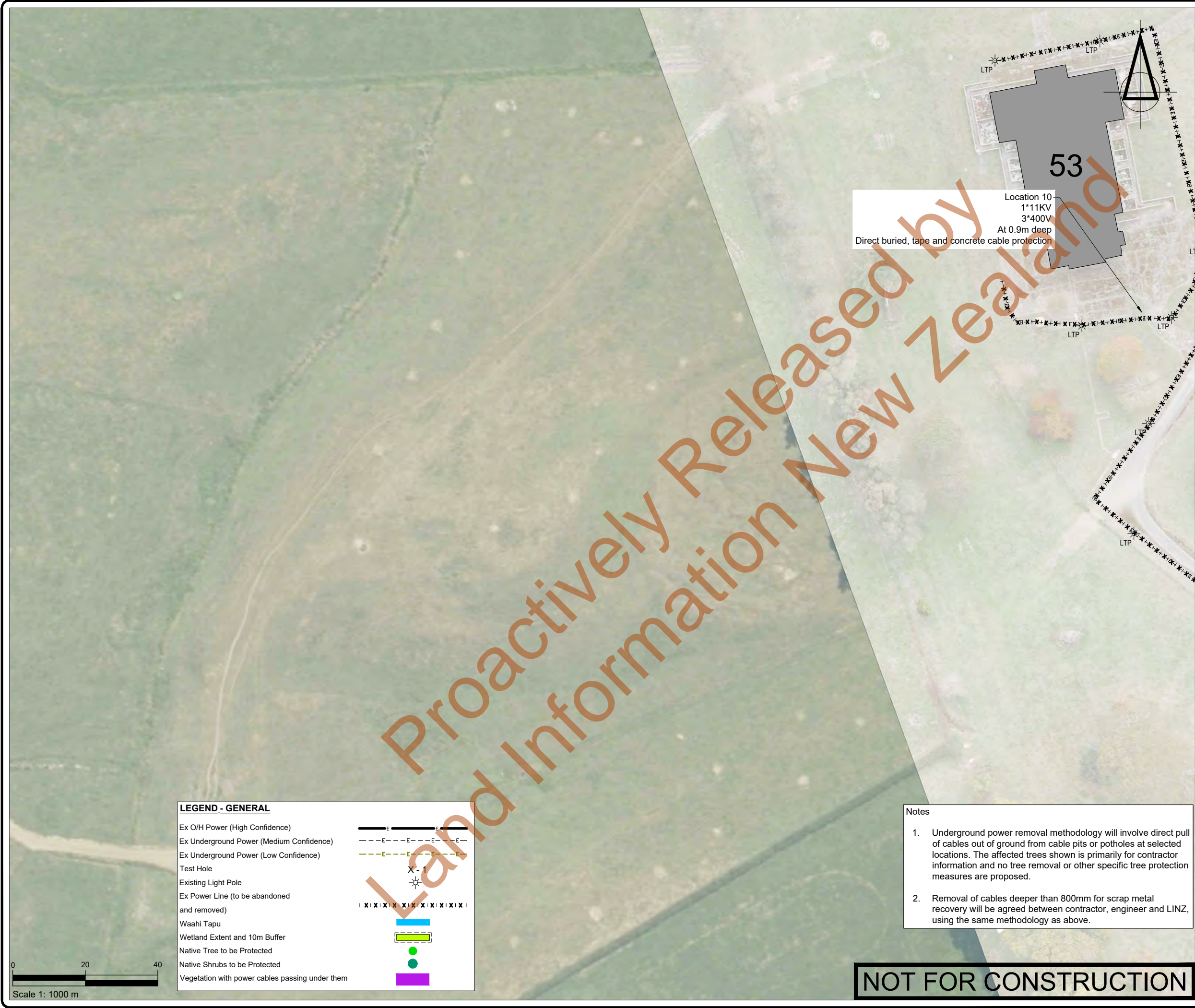
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DRAWING No	REVISION
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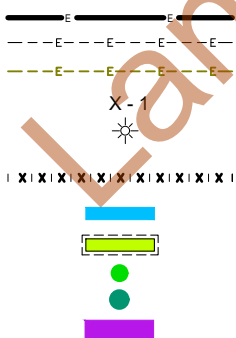
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LEGEND - GENERAL

- Ex O/H Power (High Confidence)
- Ex Underground Power (Medium Confidence)
- Ex Underground Power (Low Confidence)
- Test Hole
- Existing Light Pole
- Ex Power Line (to be abandoned and removed)
- Waahi Tapu
- Wetland Extent and 10m Buffer
- Native Tree to be Protected
- Native Shrubs to be Protected
- Vegetation with power cables passing under them



Notes

- Underground power removal methodology will involve direct pull of cables out of ground from cable pits or potholes at selected locations. The affected trees shown is primarily for contractor information and no tree removal or other specific tree protection measures are proposed.
- Removal of cables deeper than 800mm for scrap metal recovery will be agreed between contractor, engineer and LINZ, using the same methodology as above.

NOT FOR CONSTRUCTION

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B	CHANGE TO SIGNIFICANT AREAS			SF	10/05/24
C	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
D	ADDED CABLE PROTECTION DETAIL			SF	06/11/24

- NOTES**
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 - Existing power layout is based on Civtec field investigations.
 - All existing above and underground power to be removed, including all poles, boxes and pits.
 - Power supply to the doctors flat to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
 - SL = street light

CLIENT

TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
(SHEET 7 OF 9)



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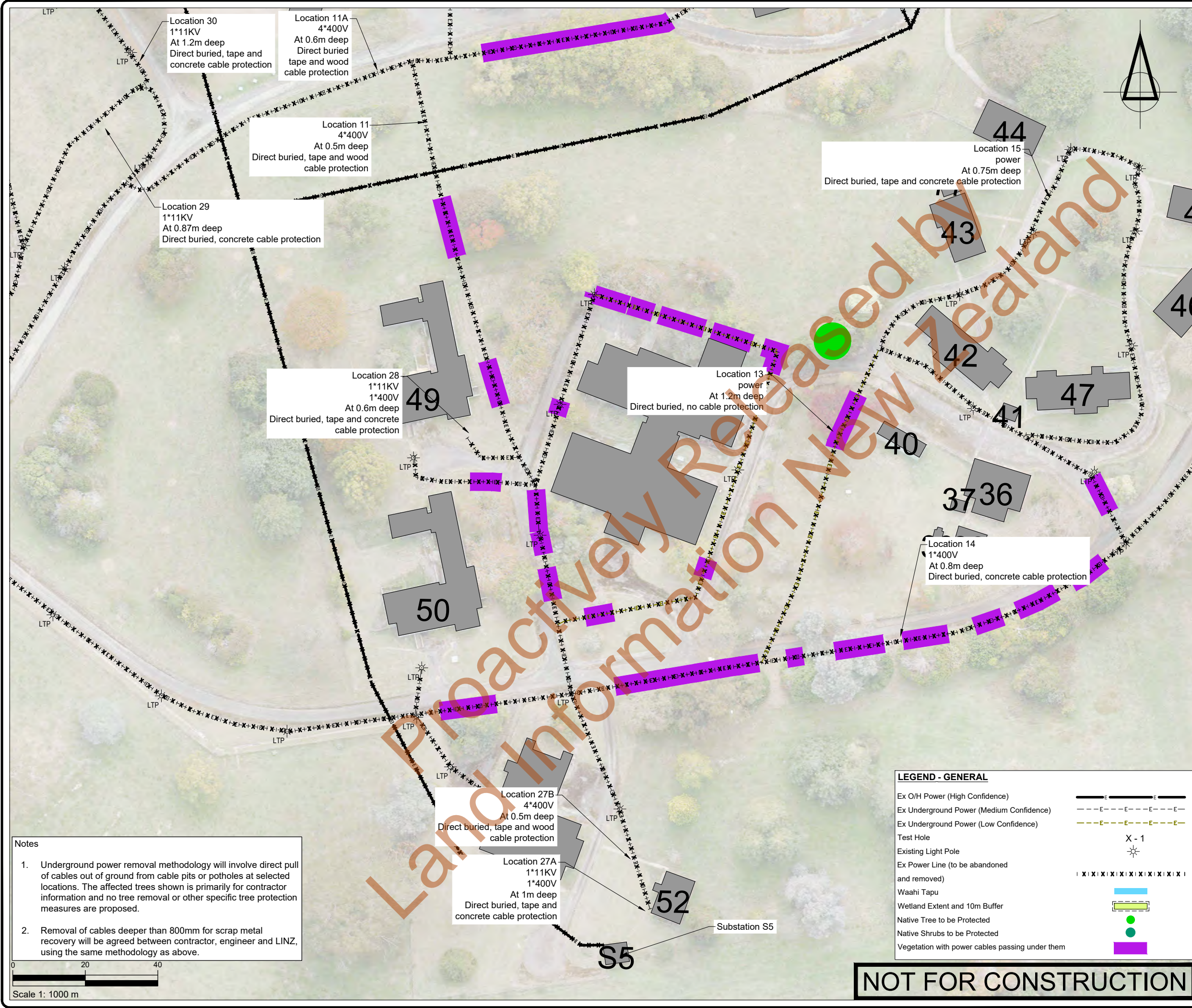
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- NOTES
1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 3. Existing power layout is based on Civtec field investigations.
 4. All existing above and underground power to be removed, including all poles, boxes and pits.
 5. Power supply to the doctors flat to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
 6. SL = street light

CLIENT


TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
(SHEET 8 OF 9)



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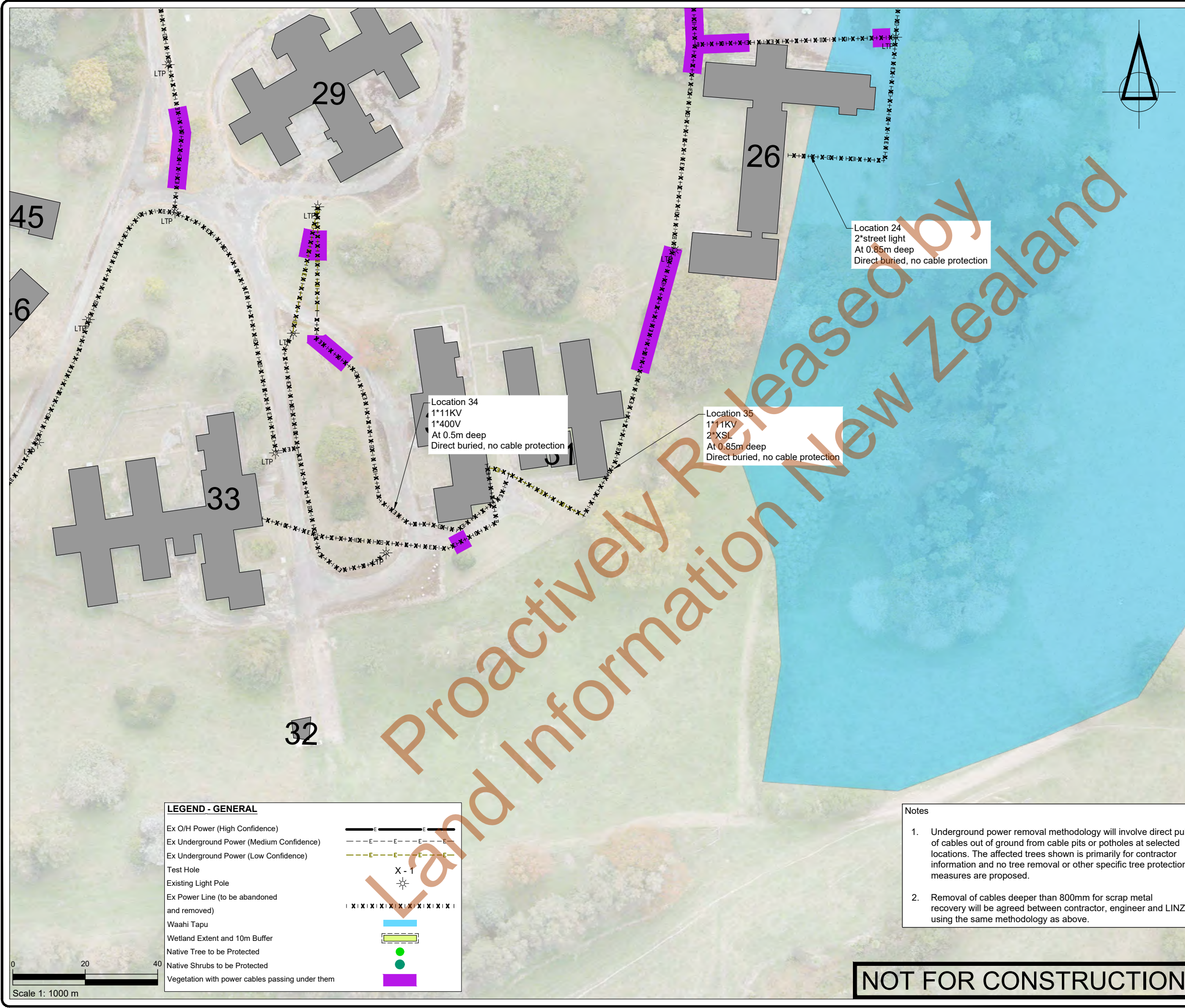
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REVISION	CHANGES		CHECKED	DATE	
-	ISSUE FOR INFORMATION		SF	12/12/23	
A	ADDITIONAL INFO ADDED		SF	04/03/24	
B	CHANGE TO SIGNIFICANT AREAS		SF	10/05/24	
C	WETLAND / CULTURAL AREA UPDATES		SF	17/09/24	
D	ADDED CABLE PROTECTION DETAIL		SF	06/11/24	

- NOTES
- All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 - Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 - Existing power layout is based on Civtec field investigations.
 - All existing above and underground power to be removed, including all poles, boxes and pits.
 - Power supply to the doctors flat to be maintained live during the demolition work. The contractor is to determine the cable feed location and to maintain it as a live connection.
 - SL = street light

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TOITŪ TE WHENUA - LINZ

PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

POWER DEMOLITION PLAN
(SHEET 9 OF 9)



**Fraser
Thomas**

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CHRISTCHURCH 03 358 5936
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STATUS

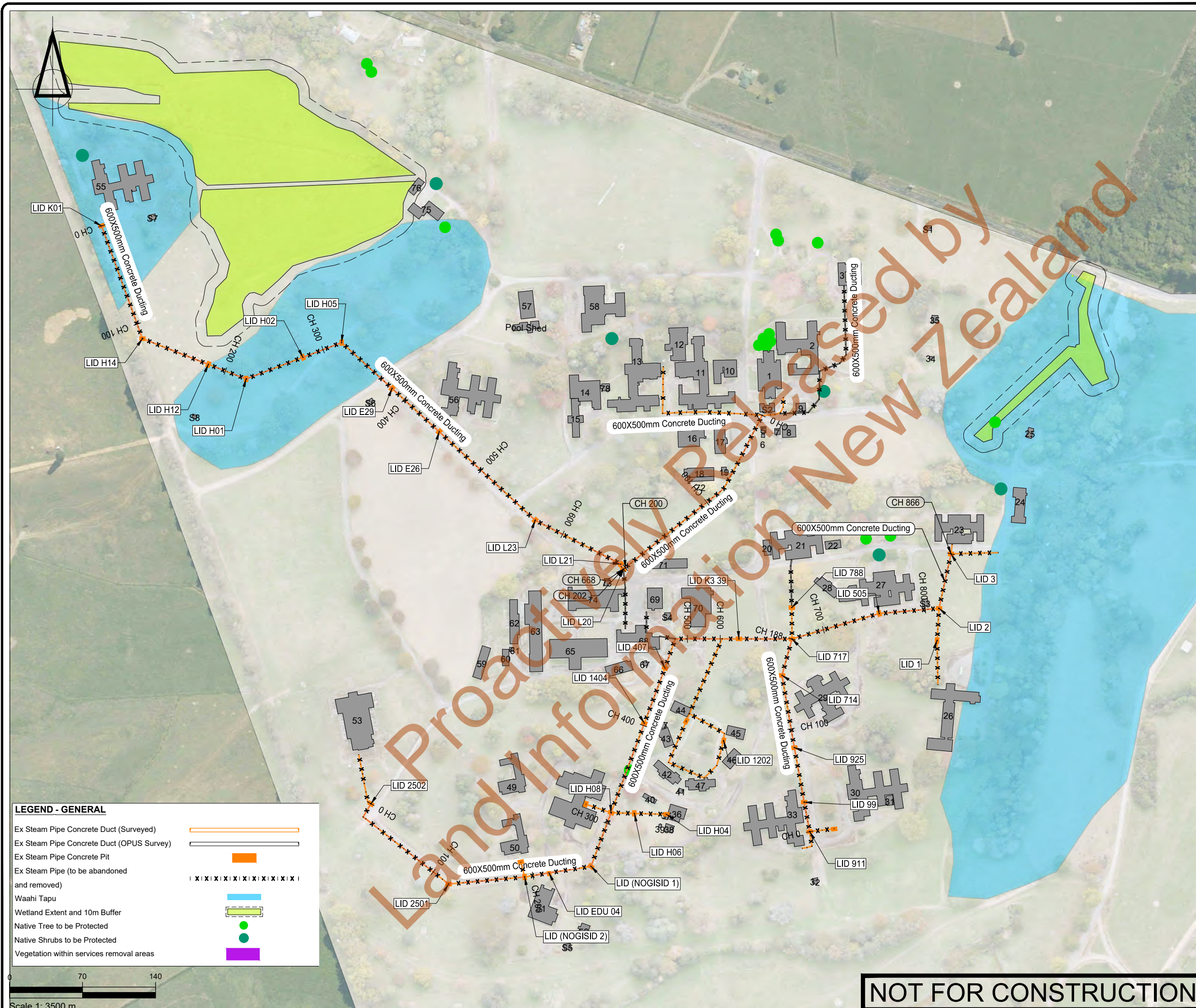
FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:1000 (A3)

DRAWING No 33205/2409 REVISION D

NOT FOR CONSTRUCTION

[illegible]

- NOTES
1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 3. All existing above and underground concrete steam ducts to be removed, including all internal pipework.
 4. Backfill excavated cavities and trenches with compacted cleanfill, followed by topsoiling and grassing, except at road crossings that are to remain post-works, which should be backfilled with approved, compacted hardfill.

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

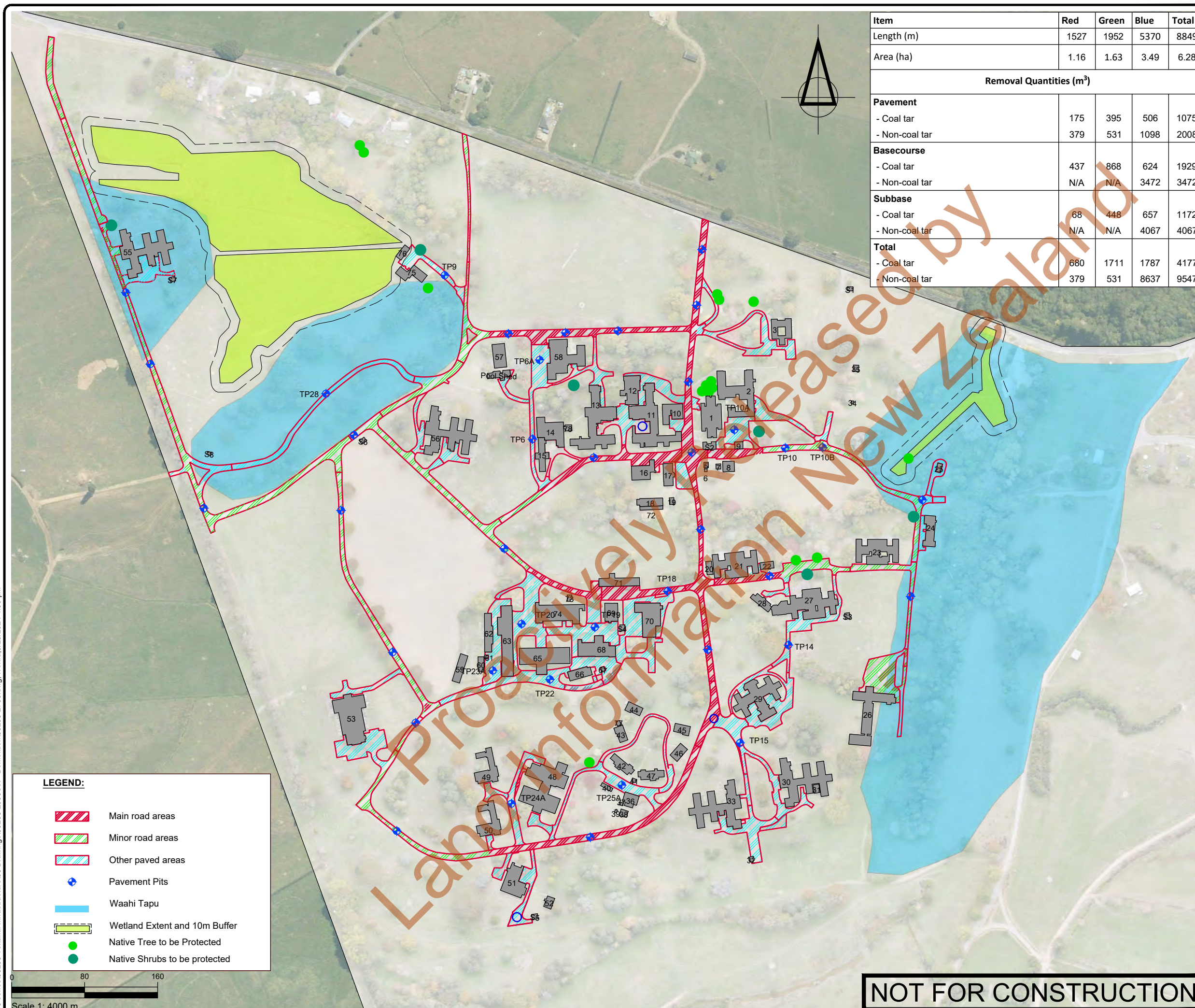
CONCRETE STEAM DUCT
DEMOLITION PLAN LAYOUT

STATUS

FOR RESOURCE CONSENT

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SCALE	1:3500	(A3)
DRAWING No	33205/2500	REVISION
		D



Item	Red	Green	Blue	Total
Length (m)	1527	1952	5370	8849
Area (ha)	1.16	1.63	3.49	6.28
Removal Quantities (m³)				
Pavement				
- Coal tar	175	395	506	1075
- Non-coal tar	379	531	1098	2008
Basecourse				
- Coal tar	437	868	624	1929
- Non-coal tar	N/A	N/A	3472	3472
Subbase				
- Coal tar	68	448	657	1172
- Non-coal tar	N/A	N/A	4067	4067
Total				
- Coal tar	680	1711	1787	4177
- Non-coal tar	379	531	8637	9547

[illegible]

- NOTES

 1. All works to be undertaken in accordance with the approved Demolition, Deconstruction and Remediation Management Plan, associated resource consent conditions and all other works approvals and best practice industry guidelines/requirements.
 2. Check that any contaminated soil removal works in areas where services demolition is also required have been completed and certified, prior to starting services demolition works.
 3. Refer to drawings 33205/2702 and 2703 for further information on the existing road network.
 4. Paved areas and lengths are based on aerial drone survey data.

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

ROADING DEMOLITION PLAN
LAYOUT



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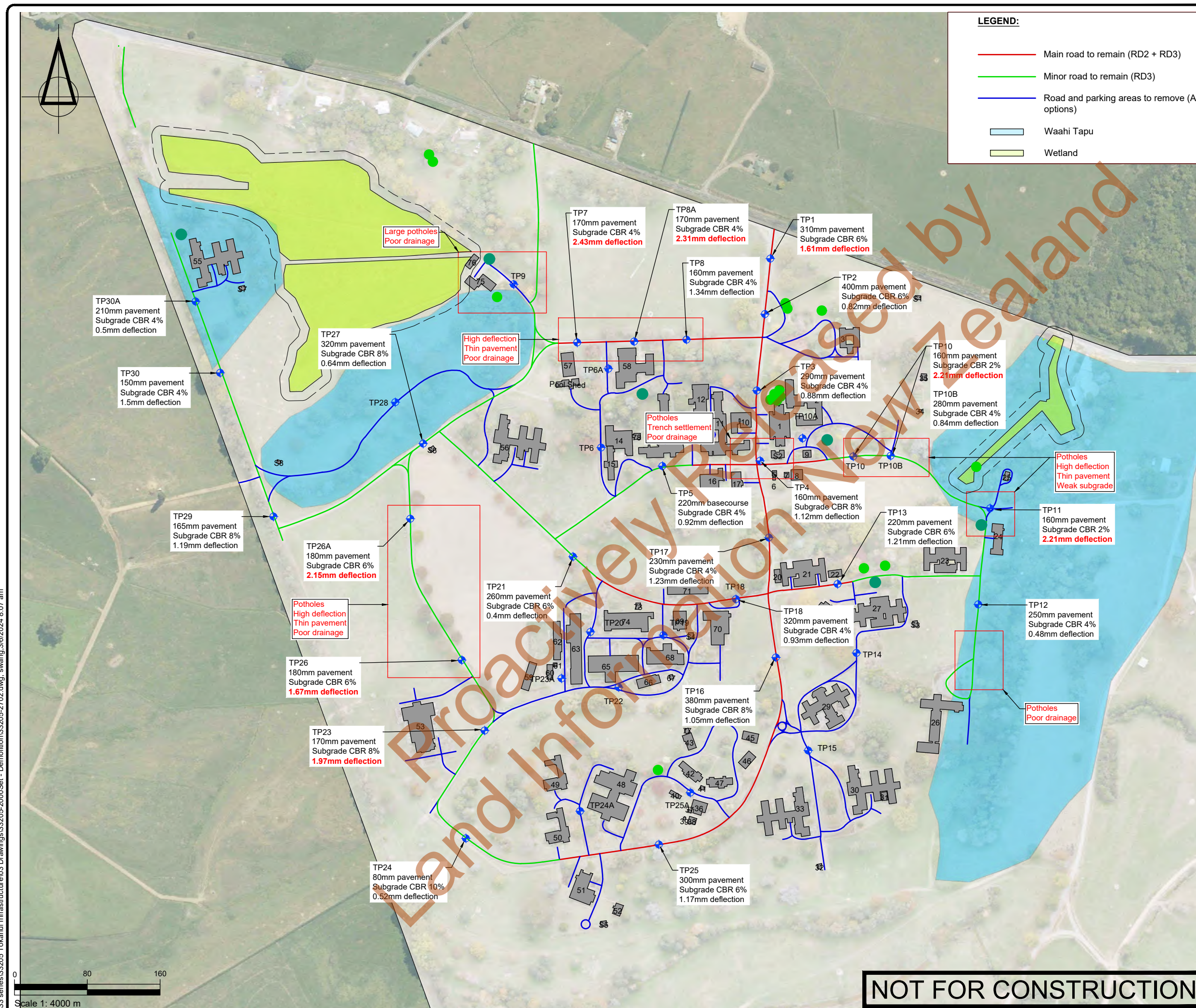
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STATUS	<h1 style="margin: 0;">FOR RESOURCE CONSENT</h1> <p style="margin: 5px 0 0 0;">Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p>
SCALE	<div style="display: flex; justify-content: space-between;"> 1:4000 (A3) </div>
DRAWING No	<div style="display: flex; justify-content: space-between;"> 33205/2700 REVISION </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> C </div>

[illegible]

NOTES

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PROJECT

TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE

EXISTING ROADING CONDITION
ASSESSMENT



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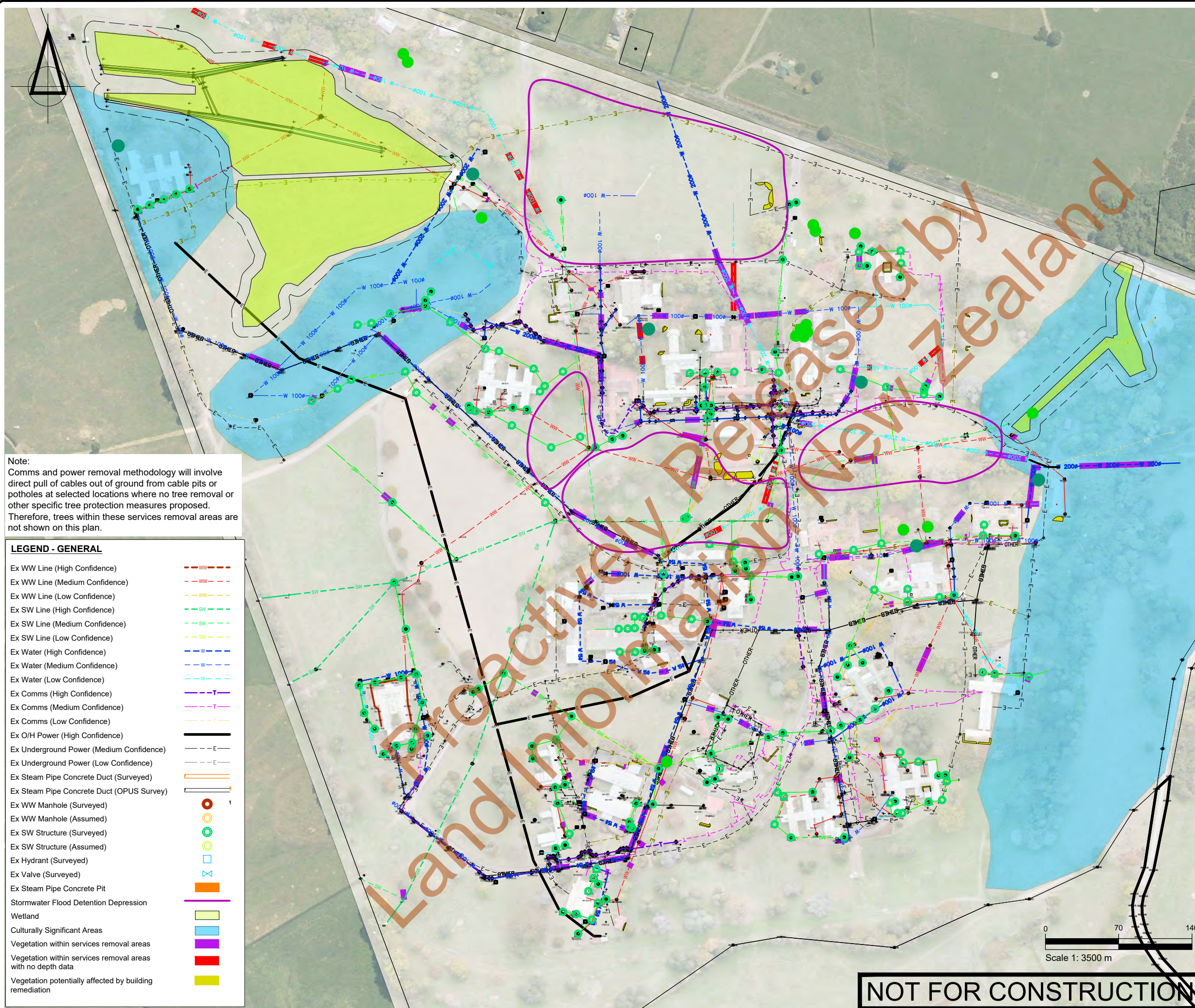
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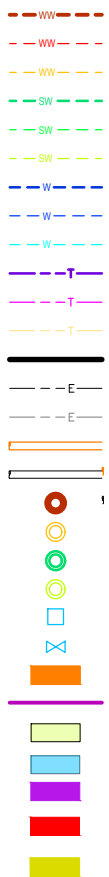
STATUS	
FOR RESOURCE CONSENT	
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SCALE	1:4000 (A)
DRAWING No	REVISION
33205/2702	A



Note:
Comms and power removal methodology will involve direct pull of cables out of ground from cable pits or potholes at selected locations where no tree removal or other specific tree protection measures proposed. Therefore, trees within these services removal areas are not shown on this plan.

LEGEND - GENERAL

- Ex WW Line (High Confidence)
- Ex WW Line (Medium Confidence)
- Ex WW Line (Low Confidence)
- Ex SW Line (High Confidence)
- Ex SW Line (Medium Confidence)
- Ex SW Line (Low Confidence)
- Ex Water (High Confidence)
- Ex Water (Medium Confidence)
- Ex Water (Low Confidence)
- Ex Comms (High Confidence)
- Ex Comms (Medium Confidence)
- Ex Comms (Low Confidence)
- Ex O/H Power (High Confidence)
- Ex Underground Power (Medium Confidence)
- Ex Underground Power (Low Confidence)
- Ex Steam Pipe Concrete Duct (Surveyed)
- Ex Steam Pipe Concrete Duct (OPUS Survey)
- Ex WW Manhole (Surveyed)
- Ex WW Manhole (Assumed)
- Ex SW Structure (Surveyed)
- Ex SW Structure (Assumed)
- Ex Hydrant (Surveyed)
- Ex Valve (Surveyed)
- Ex Steam Pipe Concrete Pit
- Stormwater Flood Detention Depression
- Wetland
- Culturally Significant Areas
- Vegetation within services removal areas
- Vegetation within services removal areas with no depth data
- Vegetation potentially affected by building remediation



0 70 140
Scale 1: 3500 m

NOT FOR CONSTRUCTION

SURVEYED	BSCL	24.04.23	APPROVED	SF	DATE
DESIGNED	DK	31.05.23			
DRAWN	DK	31.05.23			
CHECKED	SF	31.05.23			
REVISION	CHANGES			CHECKED	DATE
A	WETLAND / CULTURAL AREA UPDATES			SF	17/09/24
B	ADDED AFFECTED TREES			SF	06/11/24

NOTES				

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TOITŪ TE WHENUA - LINZ

PROJECT
TOKANUI HOSPITAL
HORIZONTAL INFRASTRUCTURE

TITLE
COMBINED SERVICES LAYOUT



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STATUS FOR RESOURCE CONSENT	
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SCALE 1:3500	(A3)
DRAWING No 33205/2800	REVISION B