



# Stormwater Management Plan summary

|                                    |  |
|------------------------------------|--|
| SMP Title                          | Stormwater Management Plan – 1 OTEHA VALLEY ROAD, NORTHCROSS |
| SMP Date                           | 4 August 2022  |
| SMP Version                        | E  |
| SMP prepared by                    | Landworks Consulting Ltd                                     |
| SMP prepared for:                  | CETA Developments Ltd  |
| Location                           | 1 OTEHA VALLEY ROAD, NORTHCROSS                              |
| Consolidated Receiving Environment | Waitemata  |
| Stormwater Catchment               | Lucas Creek  |
| Development type                   | brownfield   |
| SMP Purpose                        | Subdivision  |
| Unitary Plan Precinct              |  |
| Resource consent reference         | BUN60393847  |

|                  |                  |
|------------------|------------------|
| HW Reference     | 2022-037         |
| Date SMP Adopted | 11 November 2022 |

## Stormwater management requirements

| Stormwater management catchment | Proposed land use  | Receiving environment                              | Water quality management   | Hydrology mitigation (retention)   | Hydrology mitigation (detention)           | Flood management   | Outlet design         | Assets to be vested with council   | General comments   |
|---------------------------------|--|--|--|--|--|--|-----------------------|--|--|
| <i>Catchment 1</i>              | <i>Amalgamate 3 separate titles with a combined area of 13,786m<sup>2</sup> into 50 fee simple lots and 2 separate unit titles</i> | <i>Harrowglen Water Quality and Detention Pond</i> | <ul style="list-style-type: none"> <li><i>Harrowglen WQ Pond</i></li> <li><i>5mm reuse for roof runoff</i></li> <li><i>LittaTraps in accessway catchpits as treatment train</i></li> </ul> | <ul style="list-style-type: none"> <li><i>SMAF1 5mm reuse for roof runoff</i></li> <li><i>SMAF1 5mm detention tanks for driveway</i></li> </ul> <i>Total required retention = 35,790L</i><br><i>Total Provided = 39,430L</i> | <i>Harrowglen Pond provides for 34.5mm</i> | <i>Attenuation of post development peak flow rates to pre-development peak flow in a 10% AEP event</i> | <i>Not applicable</i> | <ul style="list-style-type: none"> <li><i>Pipe networks SWline 1, SWLine 2, SWLine 4, SWLine 5 and SWline 6</i></li> </ul> | The downstream Harrowglen Pond's O&M manual confirms that it provides treatment for 75% TSS for a catchment imperviousness of 70%, EDV and attenuation for 50% and 10% storm events. |

### Notes:

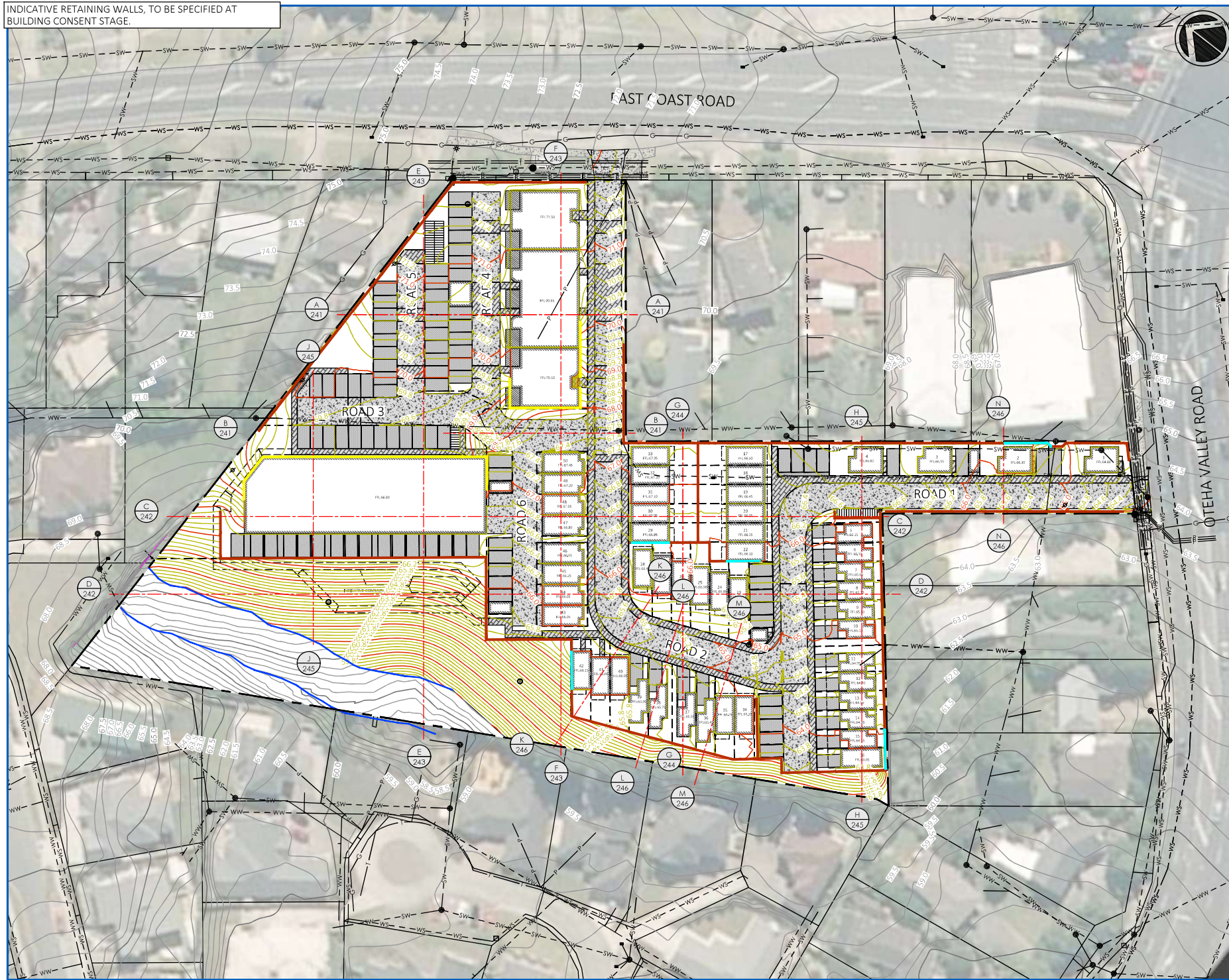
This document is prepared to provide a summary of the stormwater management requirements within the adopted Stormwater Management Plan. To see the full Stormwater Management Plan please contact [HWDevelopment@aucklandcouncil.govt.nz](mailto:HWDevelopment@aucklandcouncil.govt.nz)

# 1 OTEHA VALLEY ROAD, NORTHCROSS Stormwater Management Plan Summary

## SMP Area



INDICATIVE RETAINING WALLS, TO BE SPECIFIED AT BUILDING CONSENT STAGE.



Notes:

1. FOR INFORMATION PURPOSES ONLY WITH DATUM IN THE AUCKLAND 1946.
2. BOUNDARIES, SERVICES AND OTHER INFORMATION SHOWN IS INDICATIVE ONLY AND BASED ON TOPOGRAPHIC SURVEY FROM APEX SURVEYING LTD, RETRIEVED JUNE 2021, AND AUCKLAND COUNCIL GIS DATA, RETRIEVED AUGUST 2021.
3. THE EXISTING SERVICES SHOWN ARE INDICATIVE ONLY. THE CONTRACTOR SHALL LOCATE, VERIFY & PROTECT ALL EXISTING UNDERGROUND & ABOVE GROUND SERVICES & OTHER FEATURES BEFORE STARTING WORKS AND FOR THE DURATION OF THE WORKS.
4. ALL WORKS AND STANDARD DETAILS SHALL COMPLY WITH THE FOLLOWING CODES OF PRACTICE:
  - a. AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, CHAPTER 4.6 STEADY STATE VERSION 1.0, DATED NOV 2015.
  - b. WATERCARE, WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, VERSION 2.2, DATED NOV 2018.
  - c. AUCKLAND TRANSPORT CODE OF PRACTICE, AS IS UPDATED ON THEIR WEBSITE <https://atg.govt.nz/rooftop-us/auckland-transport-code-of-practice>
  - d. ANY CONDITIONS OF ASSOCIATED RESOURCE CONSENTS SHALL TAKE PRECEDENCE, AND SHALL BE COMPLIED WITH.

**LEGEND**

- EXISTING PROPERTY BOUNDARY
- - - SITE BOUNDARY
- - - PROPOSED LOT BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- ▨ PROPOSED DRIVEWAY (CONCRETE PAVING)
- ▨ PROPOSED DRIVEWAY (PERMEABLE PAVING)
- ▨ PROPOSED RETAINING WALL
- ▨ PROPOSED DWELLING WITH EXTENT OF EAVES
- SW — EXISTING PUBLIC STORMWATER
- WS — EXISTING PUBLIC WASTEWATER
- WS — EXISTING PUBLIC WATER SUPPLY
- H EXISTING HYDRANT
- P EXISTING POWER
- EXISTING GAS
- EXISTING TELEPHONE LINE
- ▨ EXISTING CONCRETE PAVE
- ▨ EXISTING OVERLAND FLOW PATH
- ▨ PROPOSED DRIVEWAY (IMPERMEABLE PAVING)
- ▨ PROPOSED TIMBER POLE RETAINING WALL
- ▨ PROPOSED BLOCK WALL/SOLIDER/STRUCTURAL BUILDING RETAINING STRUCTURE
- ▨ PROPOSED APARTMENT RETAINING STRUCTURE

|   |                         |    |          |
|---|-------------------------|----|----------|
| C | UPDATE RETAINING LAYOUT | BT | 2.08.22  |
| B | S92 - UPDATED LAYOUT    | PL | 20.04.22 |
| A | FOR RESOURCE CONSENT    | PL | 13.08.21 |

REV. DESCRIPTION BY. DATE.  
 STATUS: **RESOURCE CONSENT**

**LANDWORKS CONSULTING**  
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CLIENT: Ceta Developments Limited

SITE: 1 Oteha Valley Road & 958 / 960 East Coast road, Northcross

TITLE: General Layout Overall Plan

|             |             |           |          |
|-------------|-------------|-----------|----------|
| SCALE: A3   | DATE:       | DRAWN:    | CHECKED: |
| 1:750       | 13.08.21    | PL        | PL       |
| PROJECT NO: | DRAWING NO: | REVISION: |          |
| P21-133     | 200         | C         |          |