DRY DETENTION BASIN CONCEPT DESIGN

PROPOSED POND OUTLET
IL OUT: 2.077E
IL OUT: 2.077E
E: 1855548.1564
N: 5877366.7003

PIPE OUTLET (INCLUDING HYNDS WASTOP OR SIMILAR)
IL IN: 2.050W
E: 1855574.6278
N: 5877370.2905

PROPOSED BOLLARDS

EXTEND LAST GABION OUT TO THE BEACH BY 3m FROM CURRENT LOCATION

PROPOSED GROSS POLLUTANT TRAP (SUBJECT TO DETAILED DESIGN)
DIA 2300 MM REINFORCED CONCRETE
LL: 3.368
IL IN: 2.068W
IL OUT: 2.068E
E: 1855552.9055
N: 5877367.3444

EXISTING POND CONVERTED TO BE DRY DETENTION BASIN

ROCK-LINED CHANNEL TO CONVEY FLOWS TO OUTLET

PROP SW PIPE 05, 825MM REINFORCED CONCRETE L:4.79m @ 0.10%

R15

5.2m

EXIS OUTLET 01 (20210218170707)
IL IN: 2.200SW
E: 1855481.3485
N: 5877320.4074

EXIS OUTLET 02 (20210218171436)
IL IN: 2.200SW
E: 1855483.7937
N: 5877318.7927

EXIS SWMH 01 (20210218150958)
DIA 2300 MM REINFORCED CONCRETE
LL: 3.976
IL IN: 2.440SW
IL IN: 2.440NW
IL OUT: 2.316NE
E: 1855479.3937
N: 5877315.9509

EXIS SW PIPE 02 (403889), 900MM REINFORCED CONCRETE L:2.58m @ 6.62%

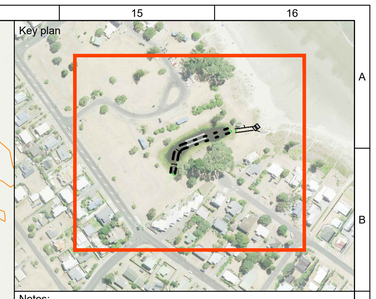
EXIS SWMH 02 (301155)
DIA 1050 MM REINFORCED CONCRETE
LL: 3.904
IL IN: 2.400SW
IL OUT: 2.400NE
E: 1855481.7172
N: 5877314.3193

SEAVIEW ROAD

LEGENDS

- PROPOSED SCRUFFY DOME
- PROPOSED SW PIPE
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED SW MANHOLE
- EXISTING SW MANHOLE
- EXISTING SW PIPE

Key plan



Notes:

1. All existing services shown are indicative only. The contractor is responsible for:
   - Confirming location and invert levels.
   - Exposing pipelines and services on site prior to commencing excavating works.
   - Drilling pile holes or driving piles to ensure the required clearances to services are achieved.

   Any discrepancies from issued plans should be notified to all parties immediately.
2. The contractor is responsible for protecting all existing services during construction. If damage occurs, the contractor shall reinstate the service at their own cost.
3. All services are to be located and flagged prior to commencing work on site.
4. Where new drainage pipes are shown to connect into existing, the contractor shall pothole and survey the top and the bottom of the pipe and confirm design levels with the engineer prior to construction.
5. Variations or discrepancies are to be referred to Metis Consultants for resolution prior to commencement.
6. The contractor shall carry out quality assurance testing as required by issued specifications and provide these progressively throughout the work and prior to completion.
7. Appropriate erosion and sediment control measures must be undertaken prior to any works commencing. These must be in accordance with local council requirements.
8. All works are to be conducted in line with TCDC Engineering Standards 2013.
9. All dimensions are in metres unless otherwise indicated.
10. Levels are in terms of Auckland Vertical Datum 1946.
11. Coordinates are in terms of NTZM projection NZGD2000.
12. Drawing must be viewed and printed out in colour.

Rev	Date	Purpose / Description	Drawn	Checked	Approved	Authorised
REV2	15/02/24	DRY DETENTION BASIN CONCEPT DESIGN FOR CLIENT REVIEW	SHARON ZHENG	ANJANA KRISHNAN		

Project
WHANGAMATA STORMWATER IMPROVEMENTS

Location
OCEAN ROAD, WHANGAMATA

Title
PLAN VIEW

Prepared by:
METIS

Client:
THAMES COROMANDEL DISTRICT COUNCIL

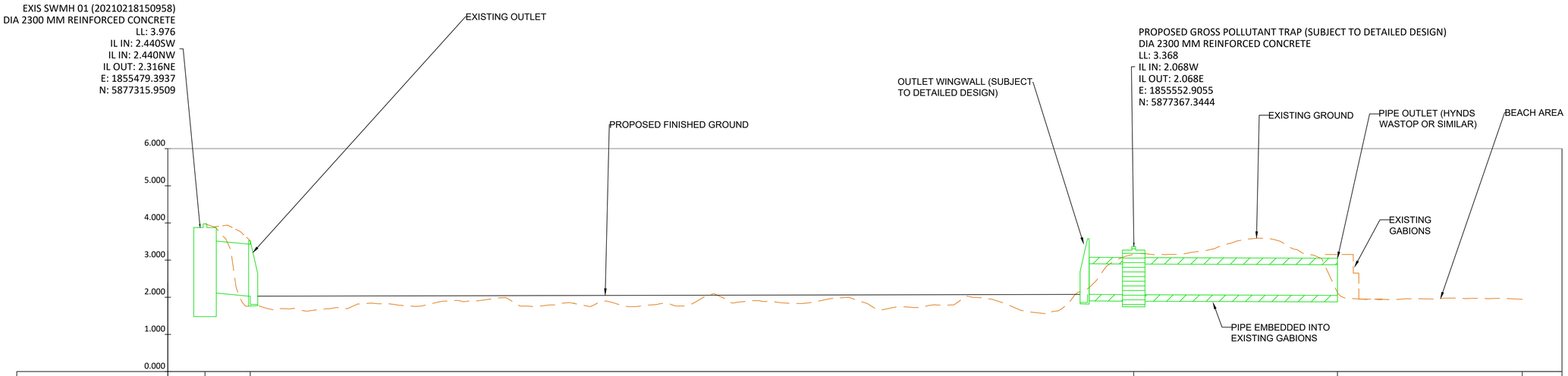
Drawing Number	Rev.
1	02

Pen Table : METIS_A3

Published by : sharon zheng at : 01/12/2023 File name: WHANGAMATA

A 1

DRY DETENTION BASIN CONCEPT DESIGN



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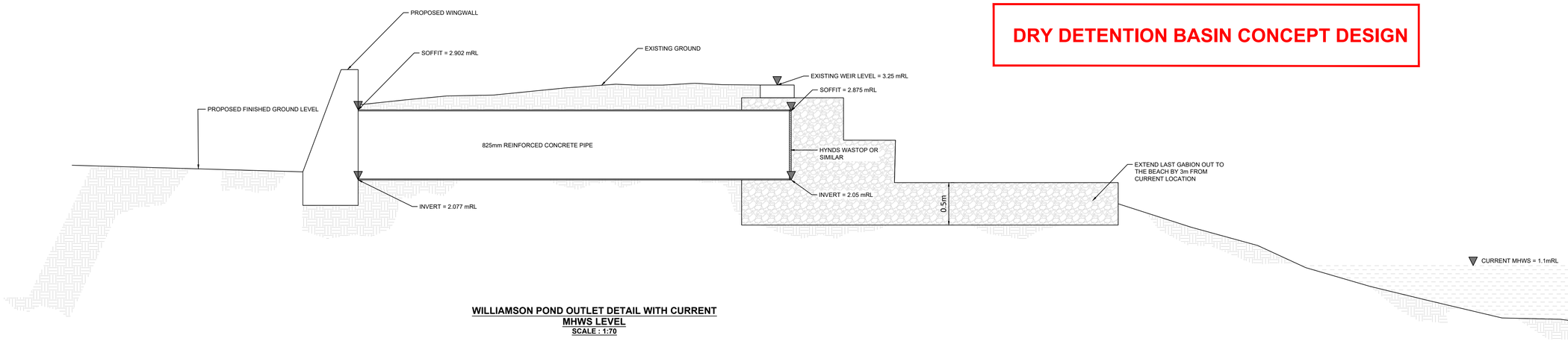
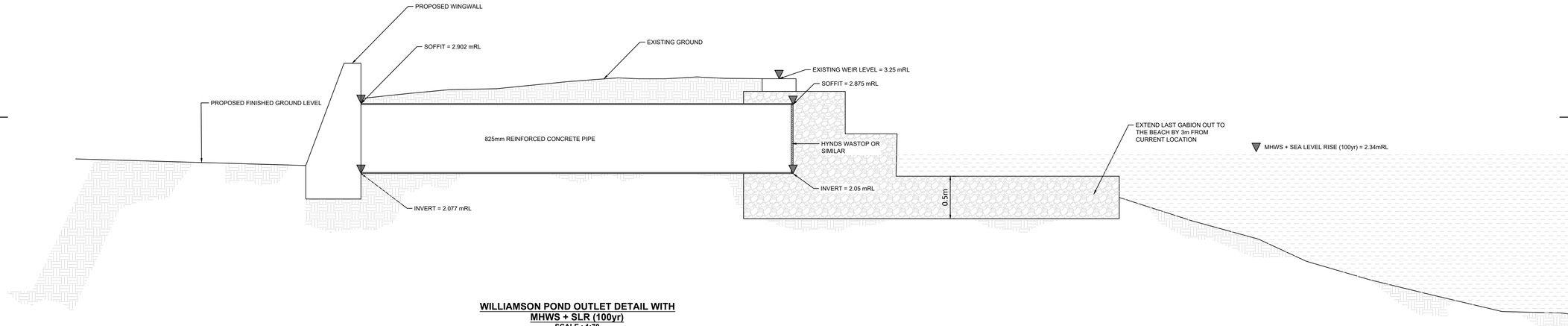
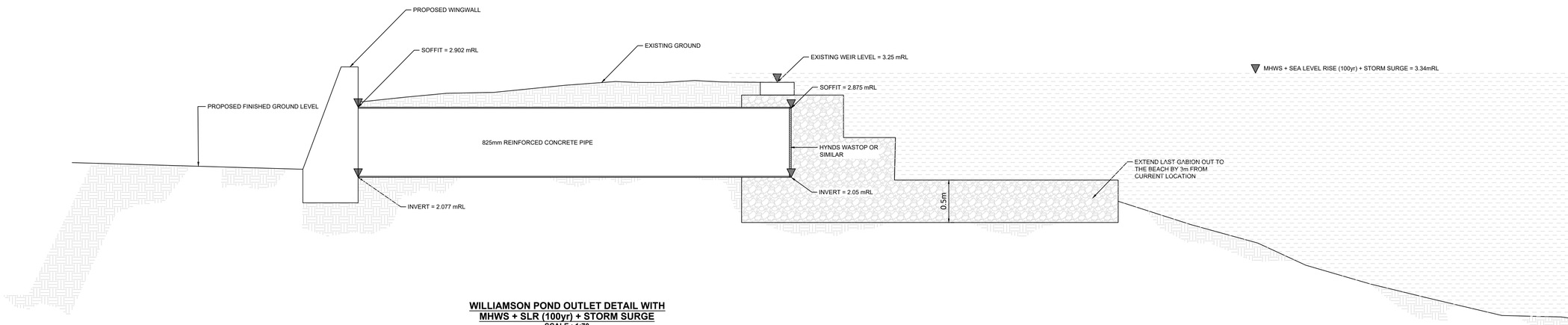


WILLIAMSON POND OUTLET DETAIL WITH CURRENT MHWS LEVEL
SCALE : 1:70

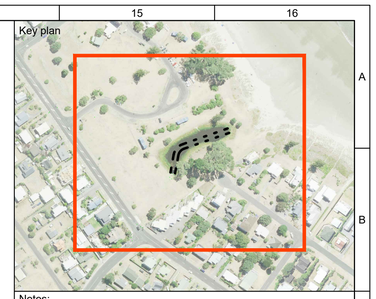


WILLIAMSON POND OUTLET DETAIL WITH MHWS + SLR (100yr)
SCALE : 1:70



WILLIAMSON POND OUTLET DETAIL WITH MHWS + SLR (100yr) + STORM SURGE
SCALE : 1:70

Key plan



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REV2	15/02/24	DRY DETENTION BASIN CONCEPT DESIGN FOR CLIENT REVIEW			
		SHARON ZHENG	ANJANA KRISHNAN		

Project
WHANGAMATA STORMWATER IMPROVEMENTS

Location
OCEAN ROAD, WHANGAMATA

Title
WILLIAMSON POND OUTLET DETAIL DRAWING - DRY DETENTION BASIN

Prepared by:
METIS

Client:
THAMES COROMANDEL DISTRICT COUNCIL

Drawing Number
3

Rev.
02

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