

GENERAL NOTES

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES.
2. ALL LEVELS IN METRES TO CHART DATUM.

LEGEND:

- SURFACE WATER DRAINAGE
- FOUL DRAINAGE
- RISING MAIN, DIRECTION
- FOUL MANHOLE
- SURFACE WATER MANHOLE
- PUMPING STATION
- SWALE AND FILTER TRENCH

REV	DETAILS	BY	DATE
B	SUDS POND MOVED	ADS	29.05.13
A	LARGE KPL BUILDING ADDED, PONDS MOVED. SWALE LENGTH INCREASED.	ADS	28.05.13

AMENDMENTS			
CLIENT KISHORN PORT LTD			
PROJECT KISHORN PLANNING APPLICATION			
ELEMENT FOUL AND STORM WATER DRAINAGE			

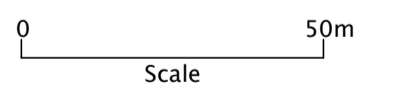
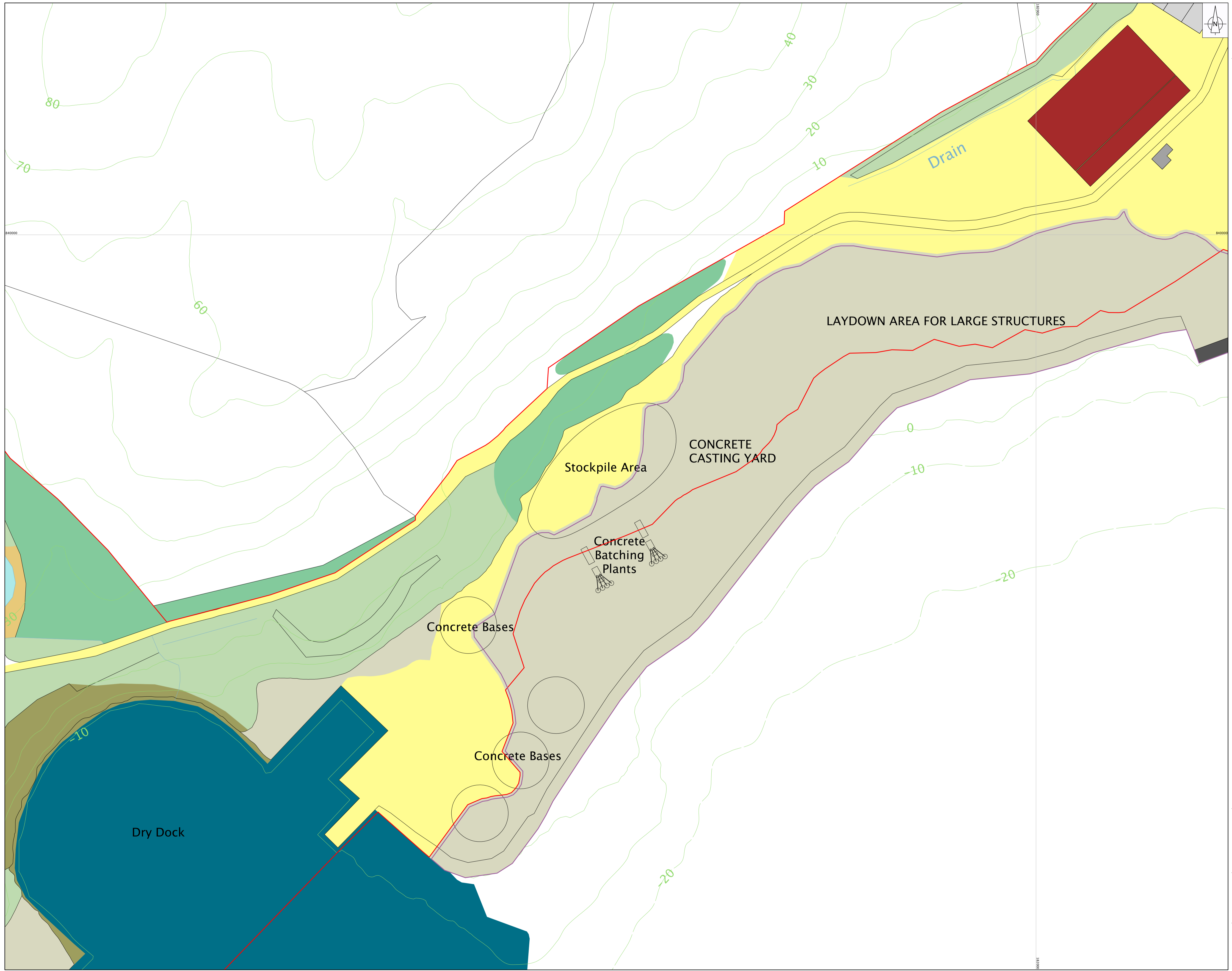
WALLACE STONE
CONSULTING CIVIL ENGINEERS
 NORTH OFFICE
 Royal Bank Buildings
 High Street, Dingwall
 Ross-shire IV15 9HA
 Tel: (01349) 866775 Fax: (01349) 863197

DRAWING TITLE		
SEWAGE TREATMENT WORKS AND STORM WATER DRAINAGE		
DRAWN ADS	CHECKED TR	APPROVED TR
DATE MAY 2013	DATE MAY 2013	DATE MAY 2013
SCALE (A1) 1:2000 U.N.O.	STAGE PLANNING	
REVISION	A	B

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PROJECT No. 1629	DRAWING No. 120
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- Legend
- Planning Application Area
 - Marine Licence Area







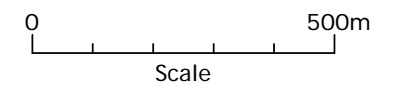
Client: KISHORN PORT LTD.
Project: KISHORN YARD DEVELOPMENT
Title: CENTRAL COASTAL INFILL AREA

Figure: 3.4 Drawn: EM
Scale: 1:1,250 (A1) Checked: KVD
Date: 04.06.13 Sheet Size: A1

NOISE MONITORING LOCATIONS

Legend

-  Planning Application Area
-  Marine Licence Area
-  Noise Monitoring and Prediction Locations
 - 1 Russel Burn
 - 2 Ceol-na-Mara, Ardarroch
 - 3 Achintraid
-  Noise Prediction Locations
 - 2 Ardarroch
 - 3 Achintraid



Client: KISHORN PORT LTD.

Project: KISHORN YARD DEVELOPMENT

Title: NOISE MONITORING LOCATIONS

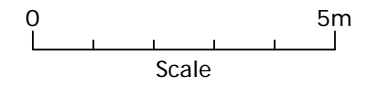
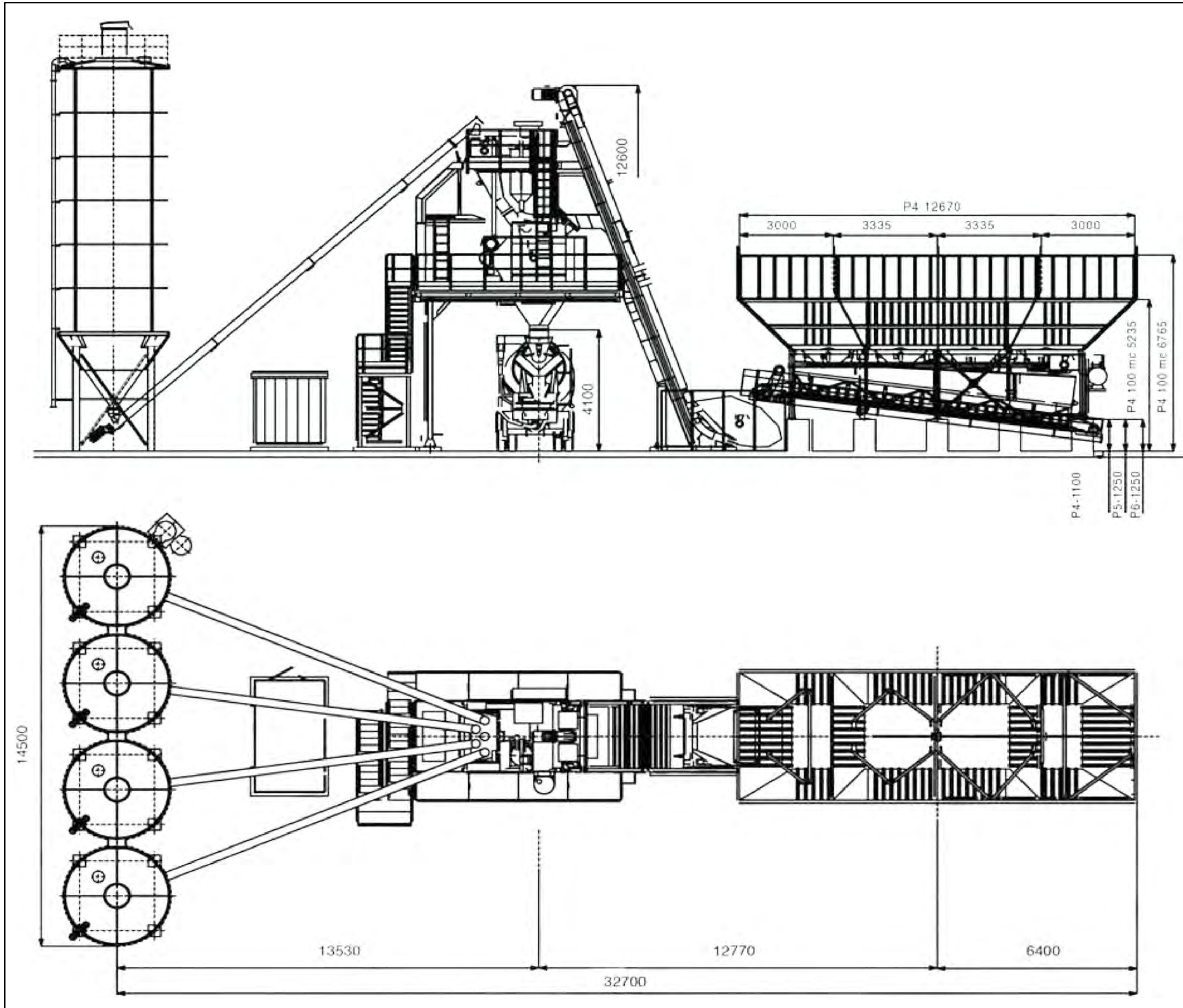
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 Scale: 1:12,500 Checked: KVD
 Date: 30.05.13 Sheet Size: A3

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ENVIRONMENTAL, MINERAL AND
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 CATHEDRAL SQUARE
 DUNBLANE FK15 0AH
 Tel: 01786 822339
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CONCRETE BATCHING PLANT



Client: KISHORN PORT LTD.

Project: KISHORN YARD DEVELOPMENT

Title: CONCRETE BATCHING PLANT

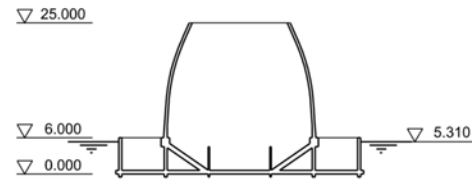
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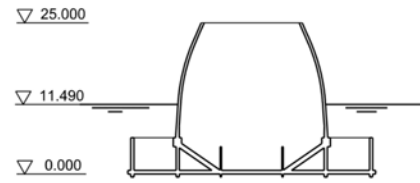


CONCRETE BASES



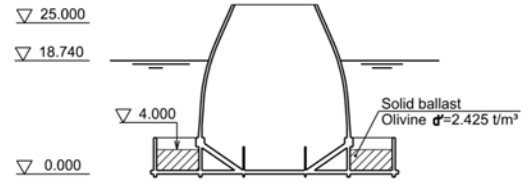
1. FLOATING OFF BARGE

Draft	: 5.81m
Metacentric height	: 15.36m
Displacement	: 6956 t
Concrete volume	: 2421 m ³
Mechanical outfitting	: 50 tonnes ▼15.0
Temporary equipment	: 50 tonnes ▼25.0
GBS contingency	: 628 tonnes
(Including allowance & tolerances)	



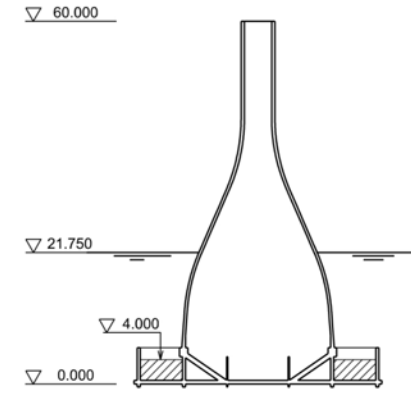
2. SUBMERSION OF CAISSON

Draft	: 11.99m
Freeboard	: 13.51m
Metacentric height	: 1.75m
Displacement	: 10561 t
(Including water in open cells)	



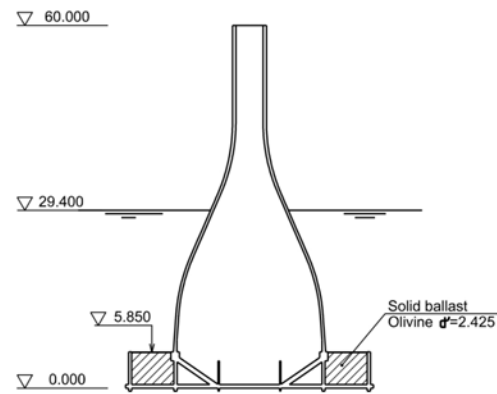
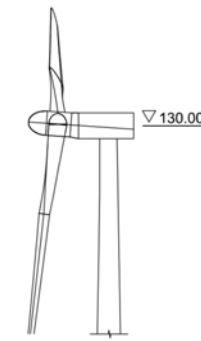
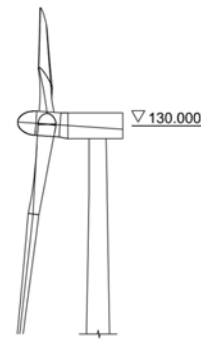
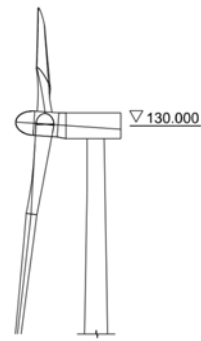
3. SOLID BALLAST FILLING INSHORE 1

Draft	: 19.24m
Freeboard	: 6.26m
Metacentric height	: 3.68m
Displacement	: 13762 t
Solid ballast	: 5456 t



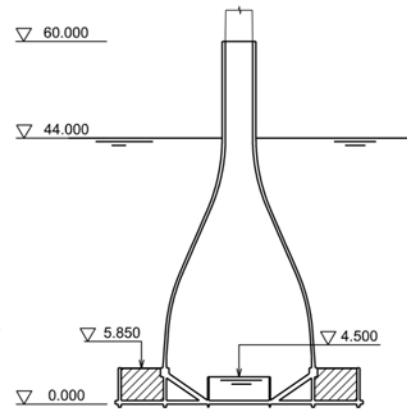
4. CONCRETE STRUCTURE COMPLETED

Draft	: 22.25m
Metacentric height	: 1.82m
Displacement	: 14804 t
Concrete volume	: 2836 m ³
Mechanical outfitting	: 100 t ▼30.0
GBS contingency	: 723 t
(incl. allowance & tolerances)	



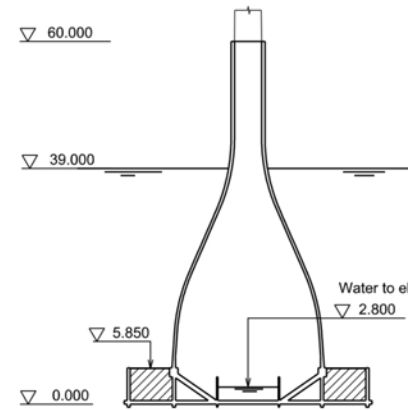
5. SOLID BALLAST FILLING INSHORE 2

Draft	: 29.90m
Metacentric height	: 3.28m
Displacement	: 16447 t
Mechanical outfitting	: 100 t ▼30.0
Solid ballast inshore	: 8303 t



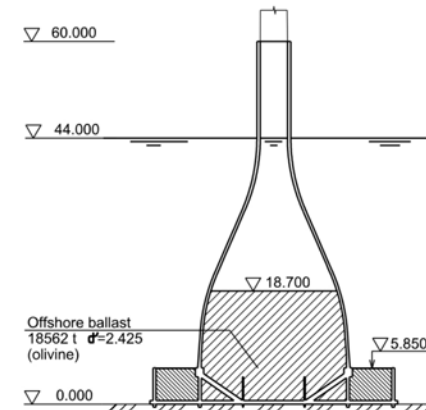
6. INSTALLATION OF TURBINE & TOWER

Draft	: 44.5m
Freeboard	: 16.0m
Metacentric height	: 1.46m
Displacement	: 17264 t
Mechanical outfitting	: 100 t ▼30.0
Water in shaft	: 314 t
Turbine Weight	: 220 t ▼130.0
Tower Weight	: 280 t ▼92.0



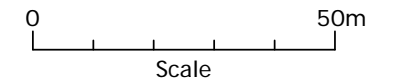
7. TOW TO FIELD

Draft	: 39.5m
Metacentric height	: 1.16m
Displacement	: 17125 t
Mechanical outfitting	: 100 t ▼30.0
Water in shaft	: 177 t
Turbine weight	: 220 t ▼130.0
Tower weight	: 280 t ▼92.0



8. OPERATION

Water depth	: 44.0m (LAT)
Solid ballast, total	: 26865 t
Submerged weight	: 209 MN
Turbine weight	: 220 t ▼130.0
Steel tower weight	: 280 t ▼92.0



Client: KISHORN PORT LTD.

Project: KISHORN YARD DEVELOPMENT

Title: CONCRETE BASES

Figure: 3.8

Drawn: EM

Scale: 1:1,250

Checked: KVD

Date: 29.05.13

Sheet Size:A3

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