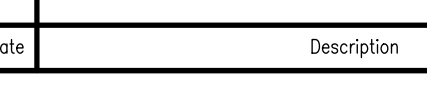
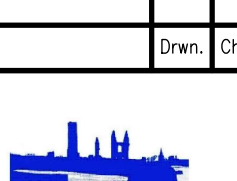


Do not scale from this drawing.			
SAFETY HEALTH AND ENVIRONMENTAL INFORMATION			
IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.			
RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO. 163726-DA-01			
CONSTRUCTION	<ul style="list-style-type: none"><li>• CLIENT OPERATIONS</li><li>• ADJACENT ACTIVITIES</li><li>• RESTRICTED SITE</li><li>• TRAFFIC</li><li>• INTERFACE WITH PUBLIC</li></ul>	<ul style="list-style-type: none"><li>• NEAR TO HIGHWAYS</li><li>• UNSTABLE STRUCTURES</li><li>• TIDAL WORKING</li><li>• WORKING AT HEIGHT</li></ul>	
DEMOLITION			
FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE			
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.			
OUTLINE METHOD OF WORKS:			
<ul style="list-style-type: none"><li>• ESTABLISH SITE COMPOUND AND SAFE SYSTEMS OF WORK</li><li>• RETRIEVE AS MUCH OF THE ROCK ARMOUR AS POSSIBLE USING MACHINE LOCATED ON THE QUAYSIDE.</li><li>• INSTALL TEMPORARY SHORING TO WORK AREA.</li><li>• CREATE RAMP TO FORESHORE WHICH WILL REQUIRE REMOVAL OF EXISTING TARMAC AT THE HIGH LEVEL.</li><li>• INSTALL ROCK BAG TEMPORARY SEA DEFENCE AROUND WORK AREA ON FORESHORE.</li><li>• REMOVE REMAINING ROCK ARMOUR ALONG WITH REMAINS OF MASONRY FROM DAMAGED SEA WALL AND SET MASONRY ASIDE FOR RE-USE.</li><li>• CLEAN ROCKHEAD AND USE A ROCK WHEEL ON AN EXCAVATOR TO CREATE A TRENCH IN EXISTING ROCK FOR KEYING IN OF THE NEW R.C. WALLS.</li><li>• CONSTRUCT THE REINFORCED CONCRETE WALLS IN 1m LIFTS, WITH BACKFILL AFTER EACH LIFT COMPLETE AND CONCRETE REACH SUFFICIENT DESIGN STRENGTH.</li><li>• ERECT SCAFFOLDING TO ASSIST IN PLACING MASONRY COPING.</li><li>• REMOVE ROCK BAGS, SHORING, AND REINSTATE AREA AND TARMAC.</li><li>• CLEAR SITE.</li></ul>			
THE ABOVE OUTLINE METHOD STATEMENT HAS BEEN PREPARED AT PRELIMINARY DESIGN STAGE AND WILL REQUIRE TO BE EXPANDED DURING DETAILED DESIGN, AND ONCE A CONTRACTOR HAS BEEN APPOINTED.			
DESIGNED CONCRETE SPECIFICATION FOR SLIPWAY WALLS:			
(ADOPT A REINFORCEMENT DENSITY OF 120Kg/m³)			
THE CONCRETE SHALL BE PRODUCED IN ACCORDANCE WITH BS8500-2.			
COMPRESSIVE STRENGTH CLASS	C40/50		
DESIGN LIFE	50 YEARS		
MINIMUM CEMENT COMBINATION CONTENT	380kg/m³		
MAXIMUM WATER/CEMENT RATIO	0.40		
AGGREGATE	20mm (LIMESTONE)		
EXPOSURE CLASS	XSM4		
COVER	70mm		
ALLOWABLE CEMENT COMBINATIONS TYPES	IIIA		
CHLORIDE CONTENT CLASS	CI 0,2		
WHERE NECESSARY FOR UNDERWATER PLACEMENT: UNDERWATER CONCRETE ADDITIVE TO BE BASF CONSTRUCTION CHEMICALS, MASTERMATRIX UW440 WITH A PCE POLYMER WATER REDUCING/SUPERPLASTICISER SUCH AS MASTERGLENIUM SKY 569, OR APPROVED ALTERNATIVE.			
-			
Rev.	Date	Description	Drwn. Chkd. Appd.
Client:			
<div><div><p>ST ANDREWS HARBOUR TRUST A TRUST PORT AUTHORITY</p></div><div></div></div>			
<div><div><div><div>FAIRHURST</div></div></div><div><div>Westerton of Craigie Southampton Road DUNDEE DD4 7PN Tel: 01382 453 300 E: dundee@fairhurst.co.uk</div></div></div>			
Project Title:			
ST ANDREWS HARBOUR SLIPWAY REINSTATEMENT			
Drawing Title:			
SLIPWAY REINSTATEMENT GENERAL ARRANGEMENT			
Scale at A1:		Status:	
1:50		Planning	
Drawn:	Checked:	Approved:	
JH	GAV		
Date:	Date:	Date:	
13/01/25	15/01/25		
Drawing No.:			Revision:
163726/2000			-