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THE CONTRACTOR IS TO REFER TO THE SPECIFICATION, FULL SCHEDULE OF RESIDUAL RISKS IN THE CONTRACT DOCUMENTATION AND ALSO TO INFORMATION FROM OTHER DESIGNERS, IN PARTICULAR THE M&E CONSULTANT REGARDING EXISTING LIVE SERVICES.

 THIS SYMBOL IS USED TO HIGHLIGHT INSTANCES OF RISK WITHIN THE CONSTRUCTION PROCESS. ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.

- COMPLIANCE WITH THE NEW NATIONAL SUDS STANDARDS & LEGISLATION:**
1. THE EXISTING DRAINAGE SYSTEM CURRENTLY BENEFITS FROM A DISCHARGE LICENSE INTO SWANSEA BAY. CURRENTLY THE SITE OPERATES WELL WITHIN THE LIMITS OF THE DISCHARGE LICENSE BOTH IN TERMS OF DISCHARGE RATE & VOLUME AND ALSO WITH REGARDS TO WATER QUALITY.
 2. GIVEN THE HIGH POTENTIAL FOR GROUND CONTAMINATION BENEATH THE SITE IT IS ASSUMED THAT INFILTRATION DRAINAGE SOLUTIONS ARE NOT SUITABLE FOR THE SITE DUE TO THE RISK OF MOBILISING CONTAMINANTS.
 3. THE REUSE OF RAINWATER HARVESTING IS CURRENTLY CONSIDERED NOT VIABLE FOR THE BOS PLANT PROJECT. THERE IS NO DEMAND FOR GREYWATER WITHIN THE INSTALLED WORKS. SIGNIFICANT INVESTMENT WOULD BE REQUIRED FOR THIS TO BE USED ELSEWHERE ON THE SITE. IT IS THEREFORE ASSUMED THAT THIS PROJECT MEETS THE EXEMPTION CRITERIA IN STANDARD S1, LEVEL 1.
 4. IT IS PROPOSED TO CONNECT TO THE TREATED EFFLUENT DRAINAGE SYSTEM VIA THE WORKS RESERVOIR WHICH ULTIMATELY DISCHARGES INTO SWANSEA BAY. THIS WOULD COMPLY WITH **STANDARD S1, LEVEL 3**.
 5. AS THE SYSTEM ULTIMATELY DISCHARGES TO THE SEA, APPLICATION OF **STANDARD S2** IS NOT REQUIRED. THE PROPOSED BOS PLANT DRAINAGE SYSTEM WILL BE DESIGNED TO CONVEY EXTREME STORM EVENTS. THIS WILL ENSURE THERE ARE NO SURFACE WATER FLOOD RISK ISSUES AS A RESULT OF THE DEVELOPMENT.
 6. THE SITE ALREADY HAS A NUMBER OF REGIONAL SUDS CONTROLS THAT IMPROVE WATER QUALITY OF SURFACE WATER RUN-OFF DISCHARGING FROM THE SITE. SURFACE WATER AND FOUL DRAINAGE ARE SEGREGATED ON SITE. THE TREATED EFFLUENT SYSTEM TREATS WATER USED WITHIN THE PROCESSES OF THE STEEL WORKS. DOWNSTREAM OF THE BOS PLANT THERE ARE REGIONAL SUDS TREATMENTS SUCH AS SUMPS, LAGOONS AND A FINAL WATER TREATMENT TANK. THE PROPOSED WORKS INCLUDE NEW LOCALISED SUMPS. IT IS THEREFORE ASSUMED THAT THERE IS SUFFICIENT LOCAL AND REGIONAL SUDS CONTROLS TO COMPLY WITH **STANDARD S3**.
 7. **STANDARD S4 & S5** WE ASSUME WOULD NOT BE APPLICABLE FOR A PROJECT SITED WITHIN THE STEEL WORKS. DUE TO THE HEAVY INDUSTRIAL NATURE OF THE SITE THERE IS LIMITED SCOPE TO CREATE HIGH QUALITY AMENITY OR BIODIVERSE AREAS.
 8. **STANDARD 6** - TATA STEEL WILL BE RESPONSIBLE FOR ALL MAINTENANCE OF THE SUDS AND DRAINAGE FEATURES ON SITE (AS THIS WOULD BE CLASSIFIED AS ONE PROPERTY). MAINTENANCE PLANS ARE ALREADY IN PLACE TO ENSURE THE WORKS MEET THE REQUIREMENTS OF THE DISCHARGE LICENSE AGREEMENT WITH NRW.

P01	FIRST ISSUE FOR COMMENT.	BW	BW	BW
Rev.	Description	By	Chk	App

Client:

TATA STEEL

Project:

**TATA STEEL
BOS PLANT
DRAINAGE IMPROVEMENTS**

Drawing Title:

**EXISTING DRAINAGE
SYSTEM**

Drawing No:

CC2080 CAM 00 00 GA C 52 0001

Project No.	Org.	Vol.	Level	Type	Dis.	Class	No.
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Suitability Status:	Scale @A1:	Rev.
S1 PRELIMINARY	1:5000	P01

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