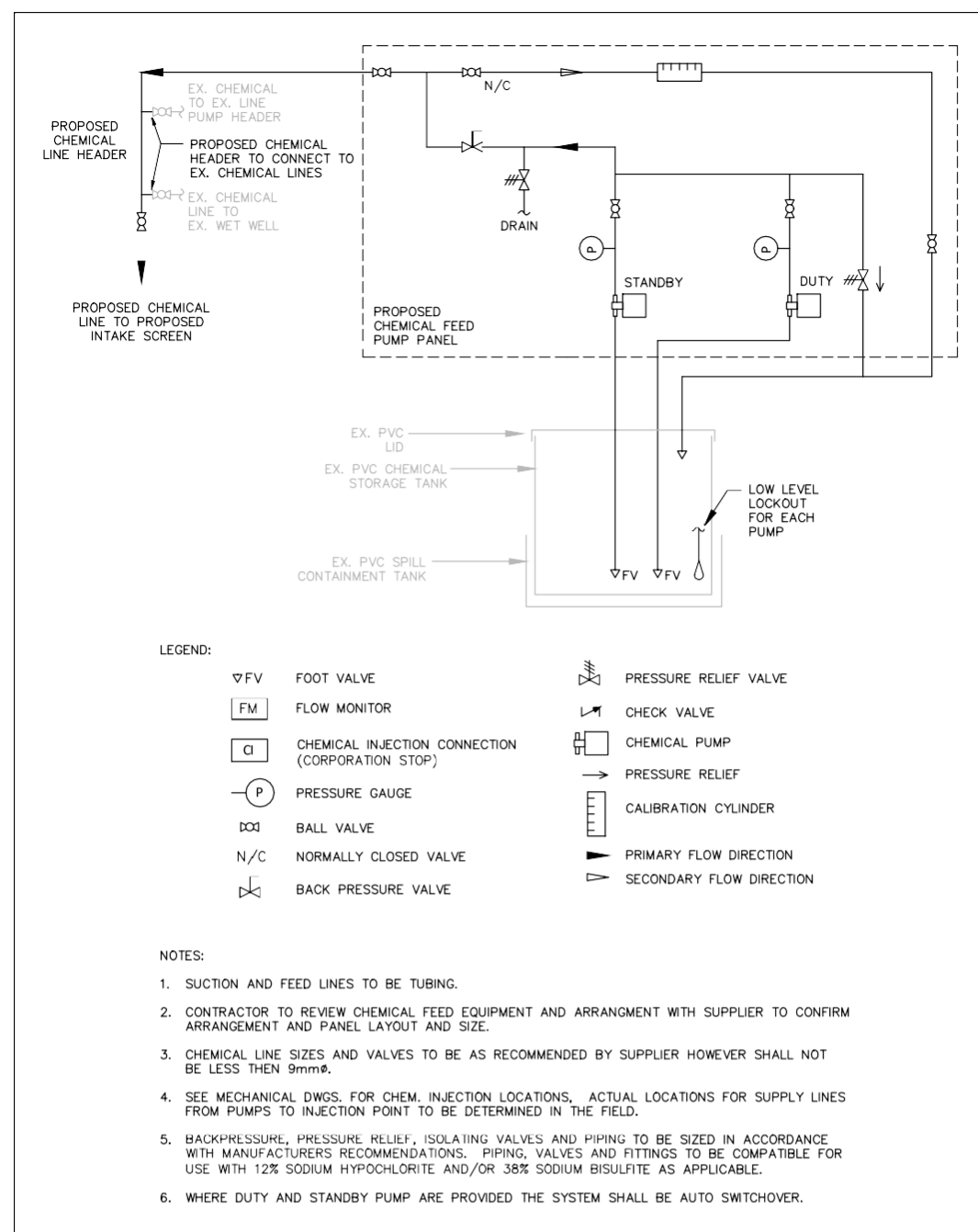


INTAKE PROCESS FLOW DIAGRAM & CHEMICAL INJECTION SYSTEM UPGRADES

W1
1

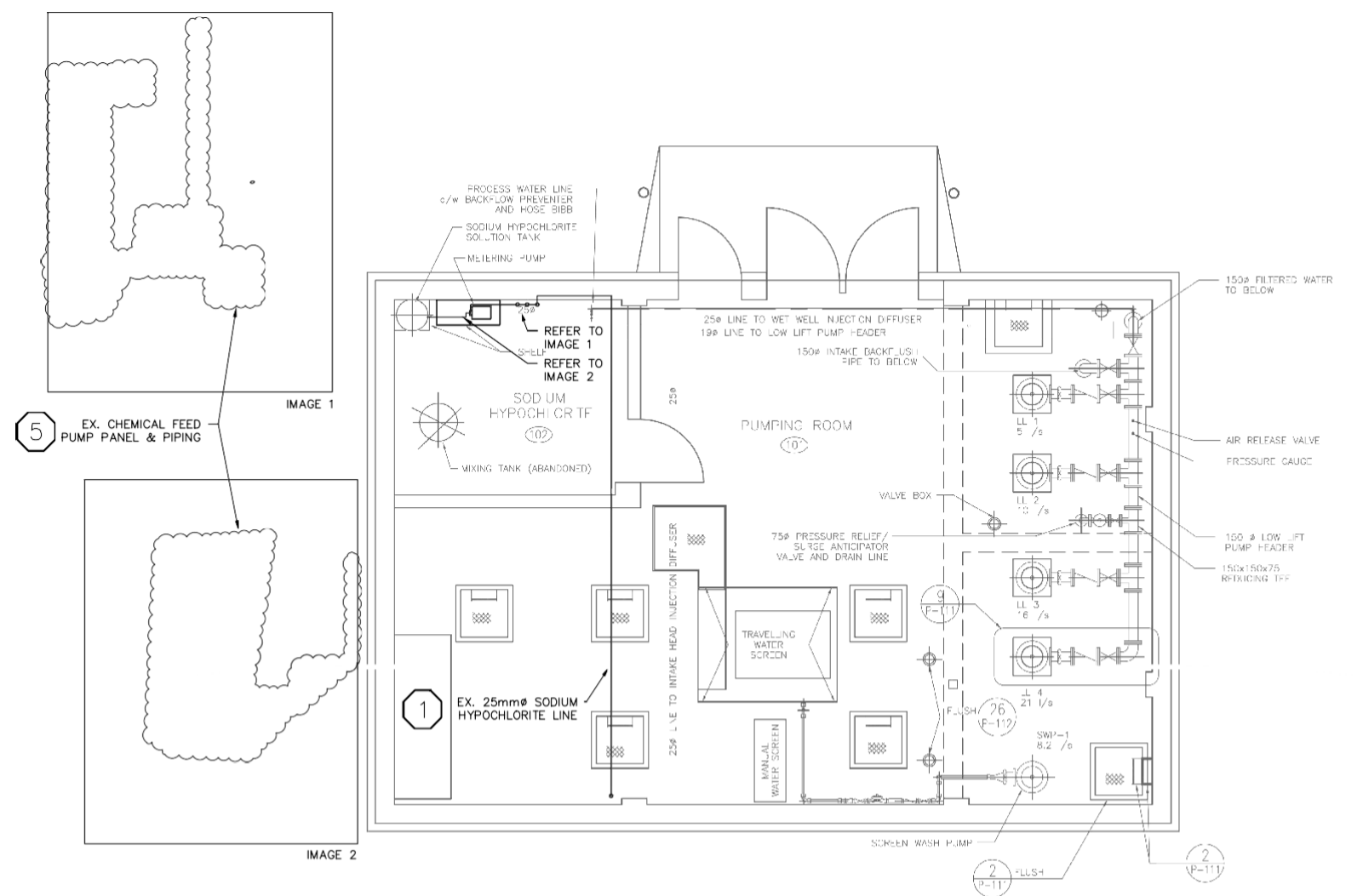
N.T.S.



PROPOSED CHLORINE CHEMICAL FEED SCHEMATIC

W1
2

N.T.S.



PUMPHOUSE MAIN FLOOR PLAN - PROPOSED UPGRADES

W1
3

1:50

NOTES:

GENERAL:

- ALL BENCHMARKS, UTILITIES, SIZES, MATERIALS AND SERVICE LOCATIONS TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORK, AND ANY DAMAGE TO SUCH BE REPAIRED AT THE CONTRACTOR'S COST AND ANY COMPENSATION TO THE UTILITY OWNERS TO BE PAID BY THE CONTRACTORS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS LIABLE TO ANY DAMAGE TO THE UTILITIES AND IS TO COMPENSATE THE RESPECTIVE OWNER.
- ALL ELEVATIONS AND DIMENSIONS ARE IN METRIC UNITS UNLESS OTHERWISE INDICATED.
- ALL WORK TO CONFORM TO ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS (OPSD, OPSS, FEDERAL & PROVINCIAL STANDARDS ETC.)
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM HIMSELF OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO, ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY CAN NOT BE GUARANTEED.
- ALL DIMENSIONS AND ALL INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING THE WORK.
- CONTRACTOR TO OBSERVE ALL LOCAL ZONING BY-LAW, ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAWS DURING CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL THE NECESSARY APPROVALS/PERMITS FOR COMPLETION OF WORK.

CONSTRUCTION:

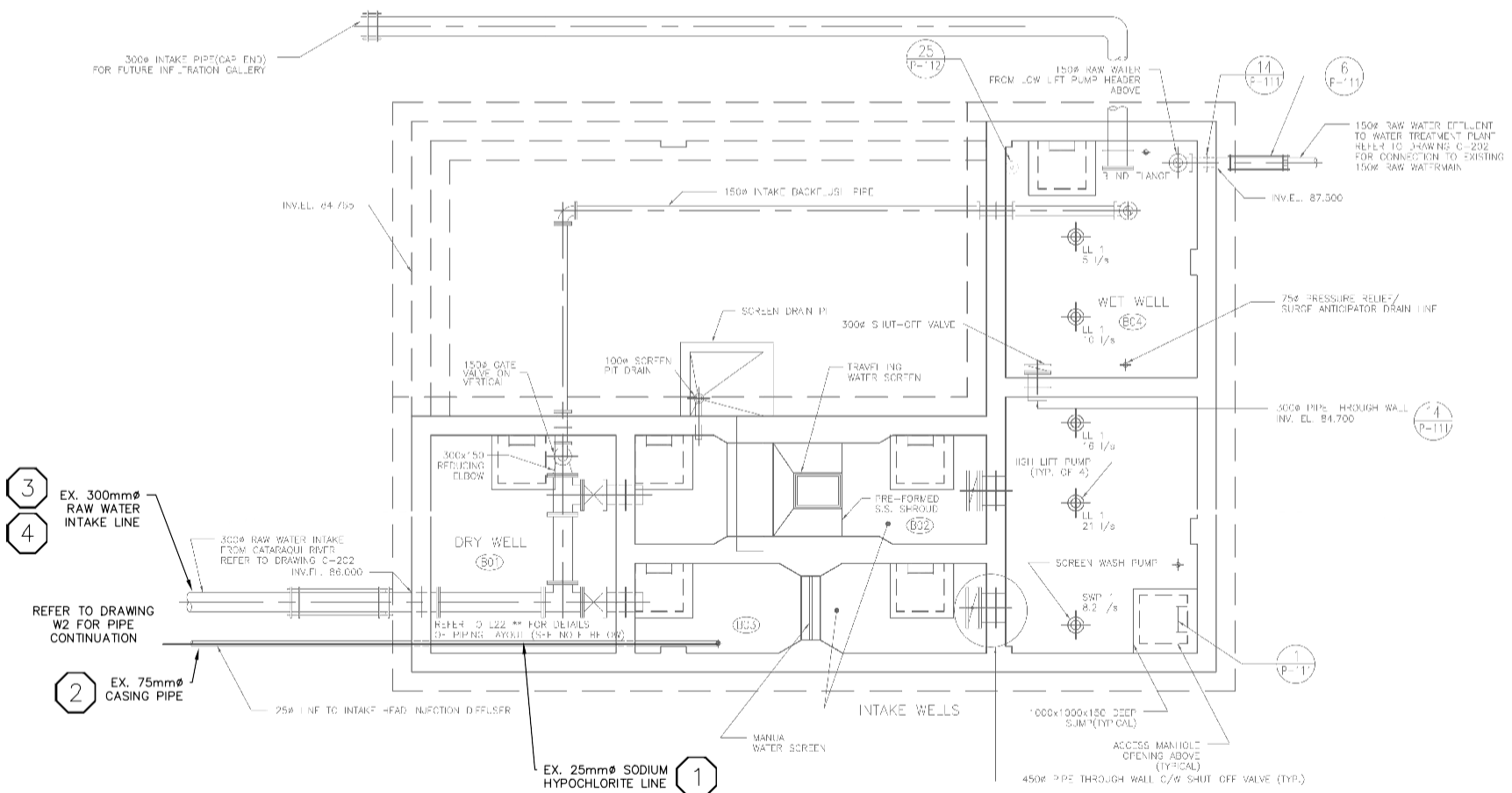
- CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AS PER ENGINEERS APPROVAL.
- AREAS TO BE CLEANED AND SWEEP UP AS REQUESTED BY ENGINEER.
- TRAFFIC CONTROL (AS PER MTO TRAFFIC CODE BOOK) TO BE MANAGED BY CONTRACTOR DURING COURSE OF CONSTRUCTION.

LEGEND:

- PROPOSED (AS SPECIFIED)
- EXISTING (AS SPECIFIED)
- REMOVAL/UPGRADES CALLOUT SYMBOL (REFER TO CORRESPONDING NOTE ON DRAWING)

W1 REMOVAL/UPGRADE NOTES

- EXISTING 25mm ϕ SODIUM HYPOCHLORITE LINE TO BE REMOVED AND REPLACED WITH PROPOSED 25mm ϕ SODIUM HYPOCHLORITE LINE.
- CONDITION OF EXISTING 75mm ϕ PIPE CASING TO BE INSPECTED & REPORT ISSUED.
- CONTRACTOR TO LOCATE & REPAIR EXISTING 300mm ϕ RAW WATER INTAKE LINE SHEAR DAMAGE NOTED IN 2022 CSC INTAKE REPORT.
- CONDITION OF EXISTING 300mm ϕ RAW WATER LINE INTAKE LINE TO BE INSPECTED & ASSESSED.
- EXISTING CHEMICAL FEED PUMP PANEL & PIPING TO BE REMOVED AND REPLACED WITH PROPOSED PERISTALTIC CHEMICAL FEED PUMPS & PANEL, REFER TO DETAIL 2 ON THIS DRAWING & CONTRACT DOCUMENT.
- EXISTING INTAKE SCREEN, REDUCER, INJECTION SPOUT & STRUCTURE HATCH TO BE REMOVED AND TO BE REPLACED, REFER TO DRAWING W2 FOR ADDITIONAL DETAIL.



PUMPHOUSE PUMPWELL PLAN - PROPOSED UPGRADES

W1
4

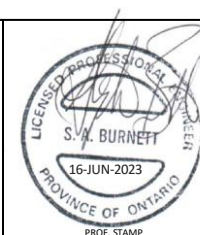
1:50

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2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS AND DATUMS ON-SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO THIS OFFICE PRIOR TO CONSTRUCTION.

3. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.

4. DO NOT SCALE THE DRAWINGS.



No.	DATE	ISSUE/REVISION	No.	DATE	ISSUE/REVISION
1.	27-JAN-2023	ISSUED FOR 33% REVIEW			
2.	10-MAR-2023	ISSUED FOR 66% REVIEW			
3.	16-JUN-2023	ISSUED FOR CONSTRUCTION			

CLIENT: JOYCEVILLE INSTITUTION

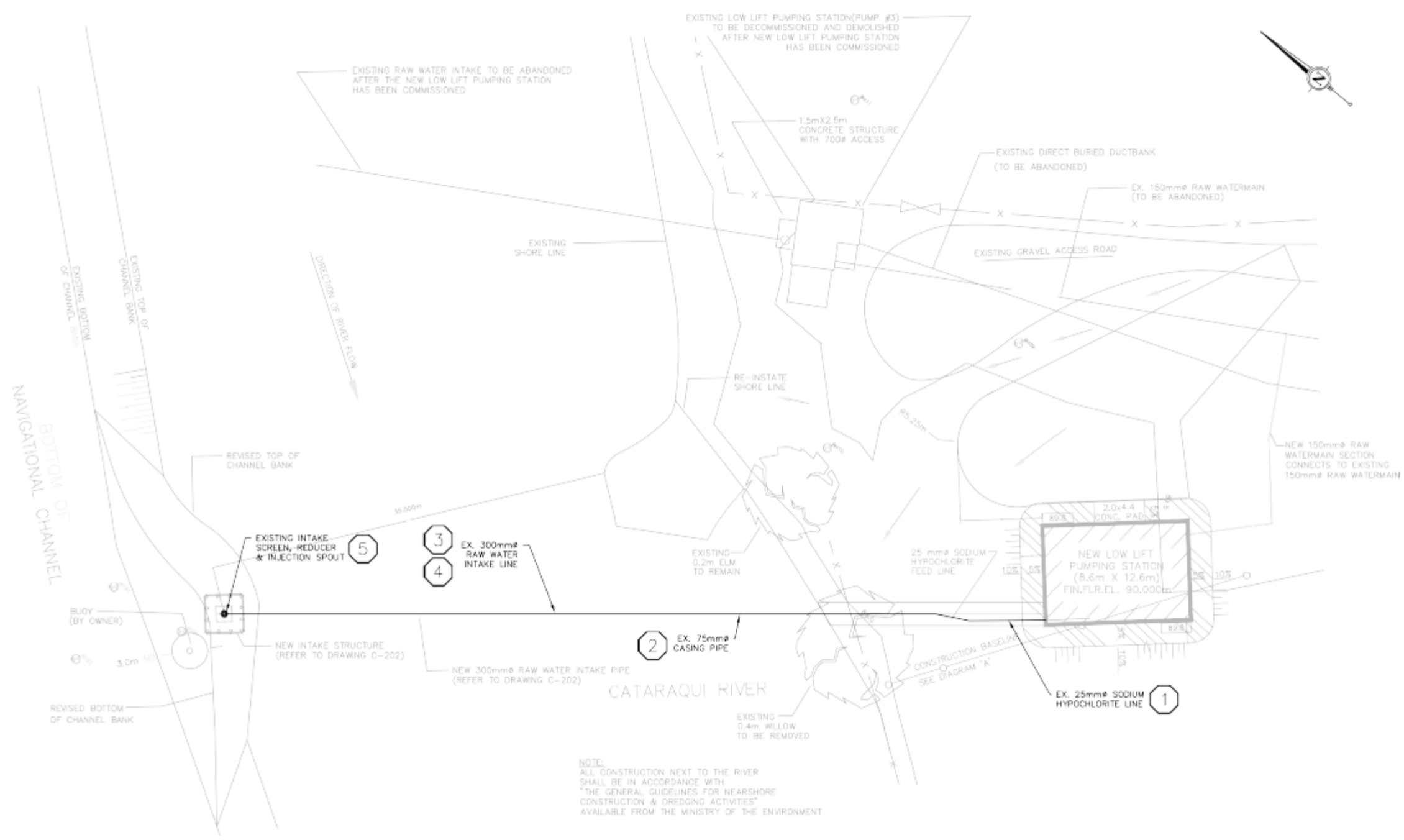
PROJECT: CSC RAW WATER INTAKE UPGRADE - PHASE 1

DRAWING TITLE: P&ID, PUMPHOUSE PLAN & SECTION UPGRADES

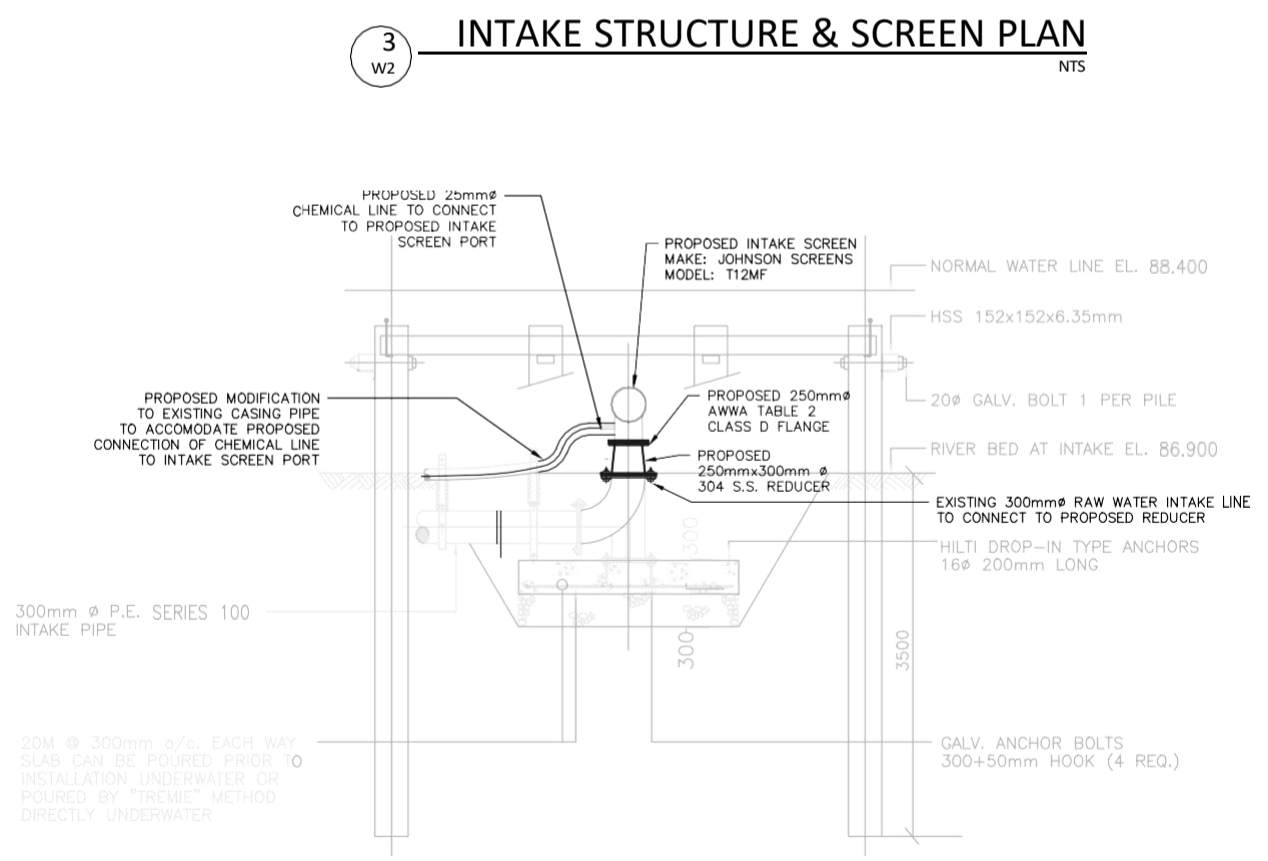
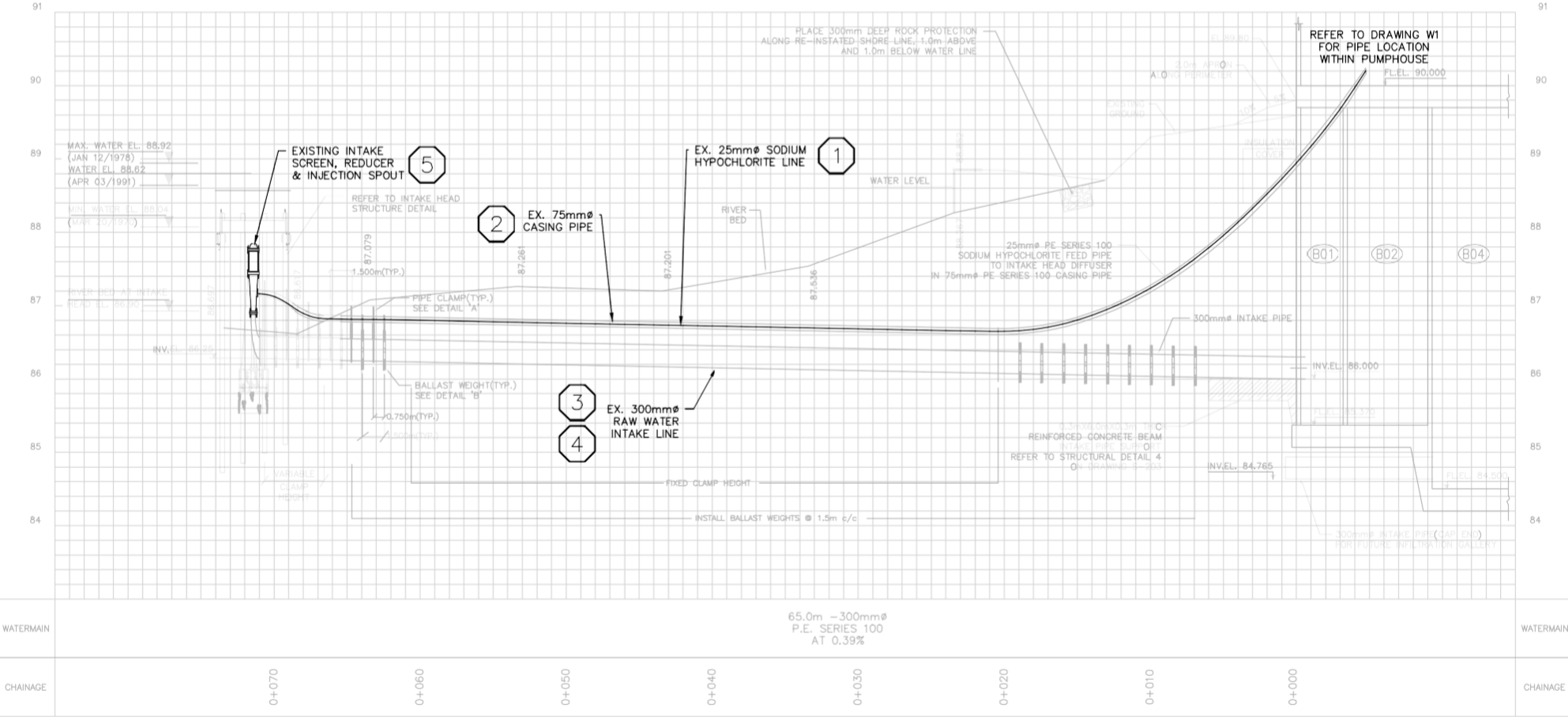
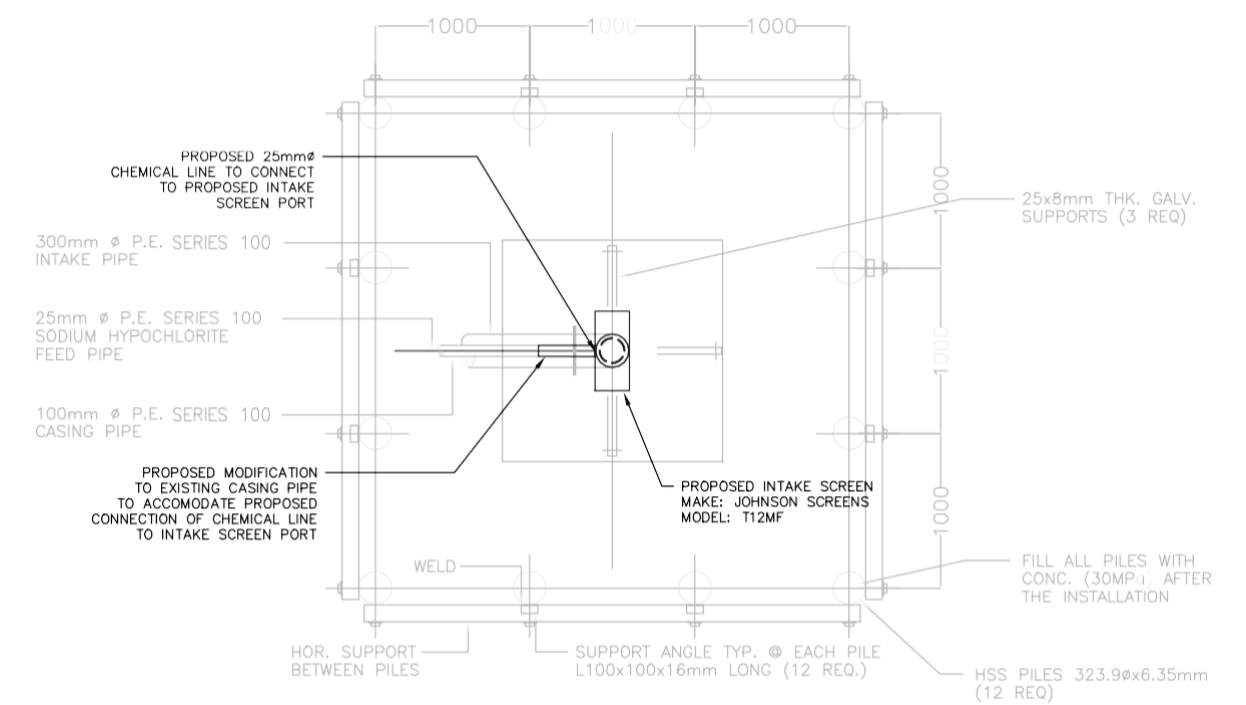
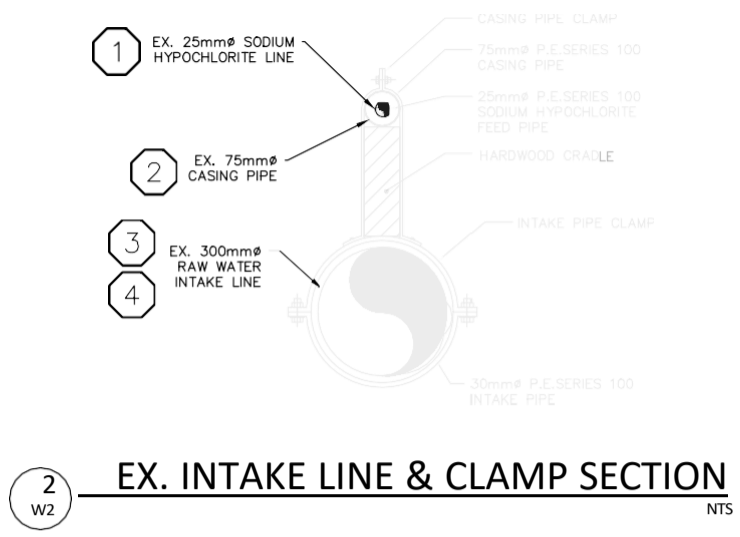
DESIGNED BY: D.C. DRAWN BY: S.M. VERIFIED BY: S.B. DRAWING NO: W1

SCALE: AS NOTED PROJECT NO: P22007

S. BURNETT & ASSOCIATES LIMITED
ENGINEERING AND ENVIRONMENTAL SERVICES
210 BROADWAY, UNIT 203
ORANGEVILLE, ONTARIO L9W 5G4
TELEPHONE: 519-941-2949 FAX: 519-941-2036



- ### W2 REMOVAL/UPGRADE NOTES
- EXISTING 25mm SODIUM HYPOCHLORITE LINE TO BE REMOVED AND REPLACED WITH PROPOSED 25mm SODIUM HYPOCHLORITE LINE.
 - CONDITION OF EXISTING 75mm CASING PIPE TO BE INSPECTED & ASSESSED.
 - CONTRACTOR TO LOCATE & REPAIR EXISTING 300mm RAW WATER INTAKE LINE SHEAR DAMAGE NOTED IN 2022 CSC INTAKE REPORT.
 - CONDITION OF EXISTING 300mm RAW WATER LINE INTAKE LINE TO BE INSPECTED & ASSESSED.
 - EXISTING INTAKE SCREEN, REDUCER & INJECTION PORT TO BE REMOVED AND REPLACED AS PER DETAILS 3 & 4 ON THIS DRAWING.



1 W2 RAW WATER INTAKE LINE PLAN & PROFILE 1:250

4 W2 INTAKE STRUCTURE & SCREEN SECTION NTS

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CLIENT: JOYCEVILLE INSTITUTION

PROJECT: CSC RAW WATER INTAKE UPGRADE - PHASE 1

DRAWING TITLE: RAW WATER INTAKE PLAN & PROFILE & INTAKE SCREEN DETAILS

DESIGNED BY: D.C. DRAWN BY: S.M. VERIFIED BY: S.B. PROJECT No.: P22007

SCALE: AS NOTED

DATE: 16-JUN-2023

PROJECT No.: P22007

W2