

SITE LOCATION MAP
COURTESY OF BAY MAPS

CONSTRUCTION STAGE INSPECTIONS

- ENGINEERS INSPECTIONS ARE TO BE ARRANGED BY THE BUILDER FOR THE FOLLOWING STRUCTURAL ELEMENTS AND AS REQUIRED BY THE CERTIFYING AUTHORITY:

STRUCTURAL ELEMENT	HOLD POINT	INSPECTING AUTHORITY
FOOTINGS	PRIOR TO CONCRETE POUR	ENGINEER & CERTIFIER
- ENGINEERS INSPECTION REPORTS SHALL BE PROVIDED VERIFIED CONSTRUCTION IN ACCORDANCE WITH THE ENGINEERING DESIGN FOR THE SPECIFIC ELEMENT OF THE WORK, AND SHALL NOT ASSUME THE REQUIREMENT FOR AN INDEPENDENT INSPECTION BY THE CERTIFYING AUTHORITY, UNLESS PRIOR PERMISSION IS OBTAINED FROM THEM BY THE BUILDER.
- ENGINEERS INSPECTION REPORTS PROVIDED BY THOMAS & ASSOCIATES CONSULTING DO NOT CONSTITUTE CERTIFICATION UNDER THE BUILDING DEVELOPMENT CERTIFICATES ACT 2016, THE ENVIRONMENTAL PLANNING & ASSESSMENT (EPAL) ACT 2017.
- MINIMUM 48 HOURS REQUIRED FOR BOOKING INSPECTIONS: **INSPECTION LINE 421 48371162**
- NO INSPECTION CERTIFICATES WILL BE PROVIDED BY THIS OFFICE FOR WORKS OR STRUCTURAL ELEMENTS UNLESS INSPECTED BY THIS OFFICE. **NO INSPECTION - NO CERTIFICATION**

DESIGN STATEMENT AND DRAWING CERTIFICATION

WE, THOMAS & ASSOCIATES CONSULTING (TAC), BEING PROFESSIONAL ENGINEERS AS DEFINED BY THE NATIONAL CONSTRUCTION CODE OF AUSTRALIA, HEREBY CONFIRM THAT WE HAVE UNDERTAKEN THE STRUCTURAL ENGINEERING DESIGN FOR THE PROPOSED DEVELOPMENT AT:

STYLES STREET, KURRI KURRI, NSW, 2327

FOR: CENTRAL WASTE STATION

AS SHOWN IN THOMAS & ASSOCIATES CONSULTING (TAC) DRAWINGS:

230499 SHEETS 001 TO 004 REVISED 11/03/2025

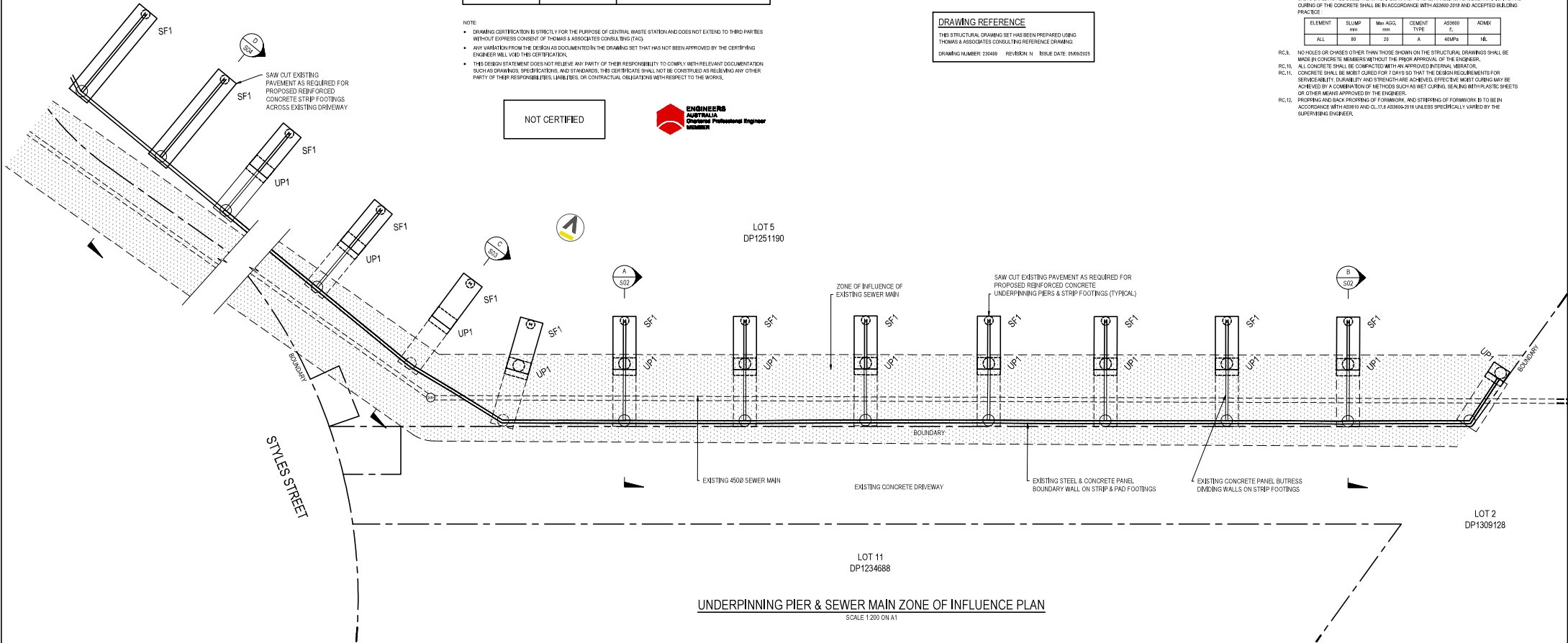
AS SUCH WE WOULD CERTIFY THAT THE STRUCTURAL ENGINEERING DESIGN FOR THE WORKS AS SHOWN IN THIS DRAWING SET HAS BEEN UNDERTAKEN IN ACCORDANCE WITH SOUND ENGINEERING PRACTICES AND GENERALLY IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AS OUTLINED BELOW:

NCC 2022 Volume 1 - Part B1 - Structural Provisions	Structural Elements (works)	Referenced Australian Standards / Design Manuals
B1P1 Structural Reliability	Design Loads, Permanent, Imposed	AS1170.0:2002 Structural Design Actions Part 0: General Principles AS1170.1:2018 Structural Design Actions Part 1: Permanent, Imposed and other actions
B1P2 Structural Reliability	Foundations, Walls and Footings	AS3600:2018 Concrete Structures

NOTE:

- DRAWING CERTIFICATION IS STRICTLY FOR THE PURPOSE OF CENTRAL WASTE STATION AND DOES NOT EXTEND TO THIRD PARTIES WITHOUT EXPRESS CONSENT OF THOMAS & ASSOCIATES CONSULTING (TAC).
- ANY VARIATION FROM THE DESIGN AS DOCUMENTED IN THE DRAWING SET THAT HAS NOT BEEN APPROVED BY THE CERTIFYING ENGINEER WILL VOID THIS CERTIFICATION.
- THIS DESIGN STATEMENT DOES NOT RELIEVE ANY PARTY OF THEIR RESPONSIBILITY TO COMPLY WITH RELEVANT DOCUMENTATION SUCH AS DRAWINGS, SPECIFICATIONS, AND STANDARDS. THIS CERTIFICATE SHALL NOT BE CONSTRUED AS RELIEVING ANY OTHER PARTY OF THEIR RESPONSIBILITIES, LIABILITIES, OR CONTRACTUAL OBLIGATIONS WITH RESPECT TO THE WORKS.

NOT CERTIFIED



GENERAL NOTES

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT, BUILDING DESIGNER AND OTHER RELEVANT CONSULTANTS DRAWINGS AND SPECIFICATIONS, AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION/DEVELOPMENT.
- ALL DIMENSIONS ARE IN MILLIMETRES & LEVELS ARE IN METRES UNLESS STATED OTHERWISE. ONLY REQUIRED DIMENSIONS SHALL BE USED. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
- ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT OR BUILDING DESIGNER AND DIMENSIONS RELEVANT TO THE SET-OUT SHALL BE VERIFIED BY THE BUILDER, CONTRACTOR OR PROJECT MANAGER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR FABRICATION.
- DURING CONSTRUCTION IT IS THE RESPONSIBILITY OF THE BUILDER, CONTRACTOR OR PROJECT MANAGER TO MAINTAIN THE STRUCTURE AND ALL STRUCTURAL ELEMENTS IN A STABLE CONDITION. STRUCTURAL ELEMENTS SHALL NOT BE OVERSTRESSED DURING CONSTRUCTION.
- WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH ALL RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA AND LOCAL STATUTORY AUTHORITIES. REFERENCES TO AUSTRALIAN STANDARDS REFER TO THE CURRENT EDITION UNLESS SPECIFICALLY NOTED OTHERWISE.
- THOMAS & ASSOCIATES CONSULTING PTY LTD TAKE NO RESPONSIBILITY FOR DETERMINING THE LOCATION OF EXISTING SERVICES OR EASEMENTS.
- THE APPROVAL OF A SUBSTITUTION OF MATERIAL OR MEMBER SIZE SHALL BE SOUGHT FROM AN ENGINEER BUT IS NOT AN AUTHORIZATION FOR AN AMENDMENT TO THE DRAWING SET. ANY AMENDMENT TO THE ENGINEERS DRAWING SET WILL REQUIRE AUTHORIZATION OR AMENDED PLANS FROM THE ARCHITECT OR BUILDING DESIGNER PRIOR TO COMMENCING WORK.
- THE INFORMATION PROVIDED IN THIS DRAWING SET IS SPECIFICALLY FOR THE USE OF THE 'CLIENT' AND AT THE 'ADDRESS' AS SHOWN IN THE TITLE BLOCK OF THIS DRAWING SET.
- CLIENT TO READ & COMPLY WITH THE RECOMMENDATIONS OF THE CONSULTANT FOUNDATION MAINTENANCE & FOOTING PERFORMANCE.
- GENERAL CAUTION IS HEREBY GIVEN TO ANY PERSON EXCAVATING ON SITE. SERVICE ENQUIRIES TO BAI BEFORE YOU DIG SHOULD BE MADE PRIOR TO EXCAVATION. NO LIABILITY FOR DISRUPTION OR INTERFERENCE WITH ANY EXISTING SERVICES DUE TO THE ACTION OF OTHERS EXISTS THROUGH THE MAKING OF THIS PLAN.

DRAWING REFERENCE

THIS STRUCTURAL DRAWING SET HAS BEEN PREPARED USING THOMAS & ASSOCIATES CONSULTING REFERENCE DRAWING:
DRAWING NUMBER: 230499 REVISION: N ISSUE DATE: 04/03/2025

REINFORCED CONCRETE NOTES

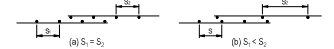
- RC.1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH AS3600:2018 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- RC.2. EXPOSURE CLASSIFICATION AND CONCRETE STRENGTH GRADATIONS IN ACCORDANCE WITH TABLE 4.3 AS3600:2018

EXPOSURE CLASSIFICATION	CONCRETE STRENGTH GRADE
B1	20MPa

- RC.3. MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL COMPLY WITH TABLE 4.10.3.2 AS3600:2018:

EXPOSURE CLASSIFICATION	REQUIRED COVER (mm)				
	CHARACTERISTIC STRENGTH (f _{yk})				
A1	20MPa	25MPa	30MPa	40MPa	55MPa
A2	(50)	20	25	30	35
B1	(50)	(50)	40	30	35
B2	(50)	(50)	(50)	40	35
C1	(50)	(50)	(50)	(50)	50
C2	(50)	(50)	(50)	(50)	65

- RC.4. REINFORCEMENT SHALL BE ON CHAIRS TO ENSURE THE REQUIRED COVER TO REINFORCEMENTS MAINTAINED.
- RC.5. MINIMUM BAR SPLICES OF 450mm FOR M12, 600mm FOR M16, 750mm FOR M20 AND 900mm FOR M24. ALLOWED SPACE FOR WELDED MESH IN TENSION SHALL BE MADE SO THAT THE TWO OUTERMOST CROSS BARS ARE SPACED AT NOT LESS THAN 150mm, OR 50mm APART FOR PLAIN OR DEFORMED BARS. FOR SHEETS OF MESH OVERLAP THE TWO OUTERMOST CROSS BARS OF THE SHEET BEING LAPPED AS SHOWN IN FIGURE BELOW. THE MINIMUM LENGTH OF THE OVERLAP SHALL EQUAL 1000mm.



- RC.7. ALL TIE WIRES SHALL BE BENT 90 DEGREE TO NOT INTERFERE WITH THE COVER ZONE.
- RC.8. ADMIXTURES AND CONCRETE MATERIAL CONTAINING CALCIUM CHLORIDE OR OTHER CHLORIDE SALTS SHALL NOT BE USED. THE MATERIALS MANUFACTURE, HANDLING, PLACEMENT, FINISHING AND CURING OF THE CONCRETE SHALL BE IN ACCORDANCE WITH AS3600:2018 AND ACCEPTED BUILDING PRACTICE.

ELEMENT	SUMP	MAX AGG.	CEMENT	AS3600	ADMX
ALL	B1	20	A	40MPa	NL

- RC.9. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
- RC.10. ALL CONCRETE SHALL BE COMPACTED WITH AN APPROVED INTERNAL VIBRATOR.
- RC.11. CONCRETE SHALL BE MOST CURED FOR 7 DAYS SO THAT THE DESIGN REQUIREMENTS FOR SERVICEABILITY, DURABILITY AND STRENGTH ARE ACHIEVED. EFFECTIVE MOST CURING MAY BE ACHIEVED BY A COMBINATION OF METHODS SUCH AS NET CURING, SEALING WITH PLASTIC SHEETS OR OTHER MEANS APPROVED BY THE ENGINEER.
- RC.12. PROPPING AND JACK PROPPING OF FORMWORK, AND STRIPPING OF FORMWORK IS TO BE IN ACCORDANCE WITH AS3600 AND CLT.11 AS3600:2018 UNLESS SPECIFICALLY VARIED BY THE SUPERVISING ENGINEER.

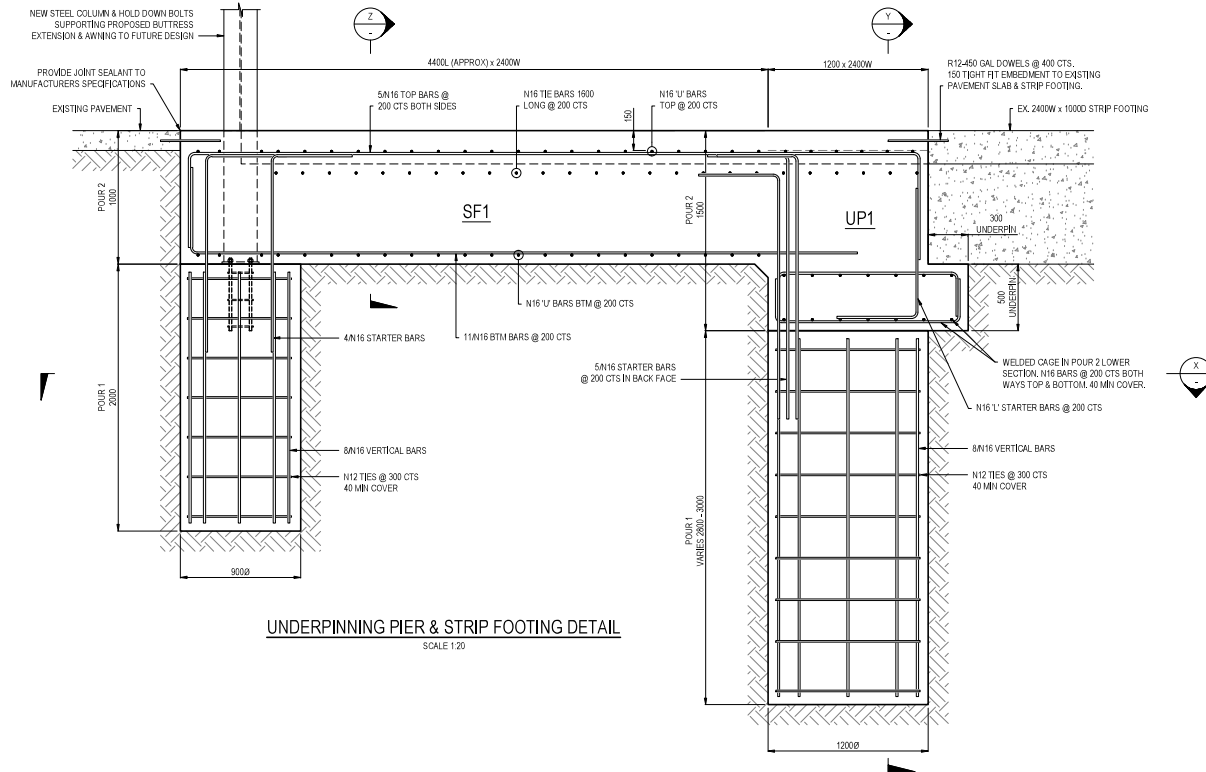


CLIENT	DESCRIPTION	DRAWN	CHECKED	DATE
CENTRAL WASTE STATION	REMOVED FOR CONSTRUCTION	JN	AD	19/12/2023
LOT 5, DP1251190, 8 STYLES STREET, KURRI KURRI, NSW, 2327	REMOVED FOR HUNTER WATER REQUIREMENTS	JN	AD	22/12/2023
UNDERPINNING PIER PLAN, NOTES & DRAWING CERTIFICATION	REMOVED FOR HUNTER WATER REQUIREMENTS	JN	AD	6/02/2024
THIS DRAWING IS NOT TO BE USED WITHOUT CERTIFICATION - REFER TO SHEET S00 FOR DRAWING CERTIFICATION	REMOVED FOR HUNTER WATER REQUIREMENTS	JN	AD	11/02/2024

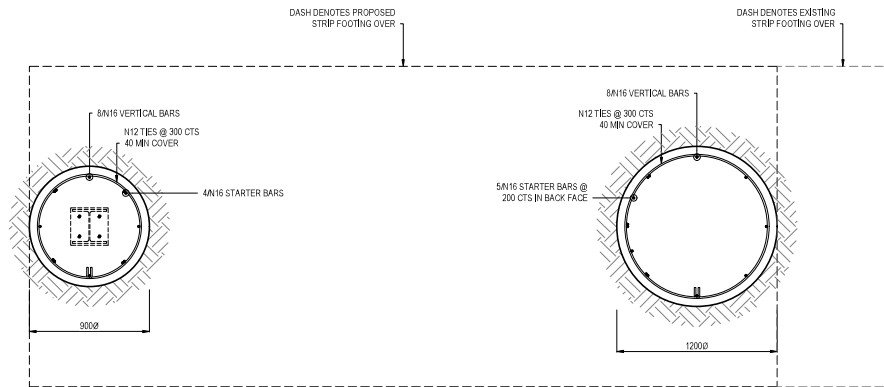
JOB #	SHEET #	DESIGNED	DRAWN	CHECKED	SHEET SIZE
230499	S00	JN	JN	AD	A1



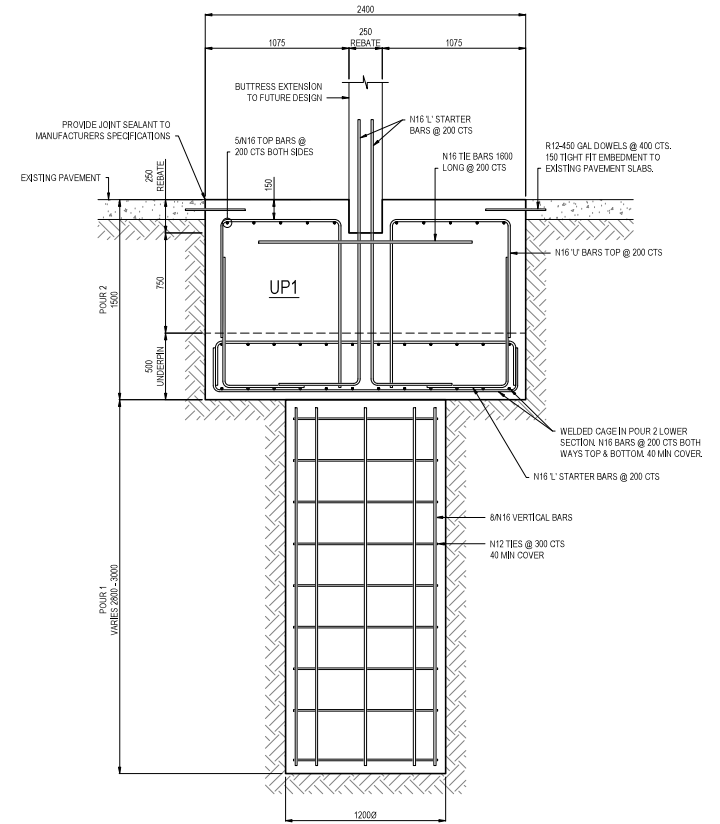
GENERAL CAUTION IS HEREBY GIVEN TO ANY PERSON EXCAVATING ON SITE. SERVICE ENQUIRIES TO BAI BEFORE YOU DIG SHOULD BE UNDERTAKEN PRIOR TO SUCH EXCAVATION. NO LIABILITY FOR DISRUPTION OR INTERFERENCE WITH ANY EXISTING SERVICES DUE TO THE ACTION OF OTHERS EXISTS THROUGH THE MAKING OF THIS PLAN.



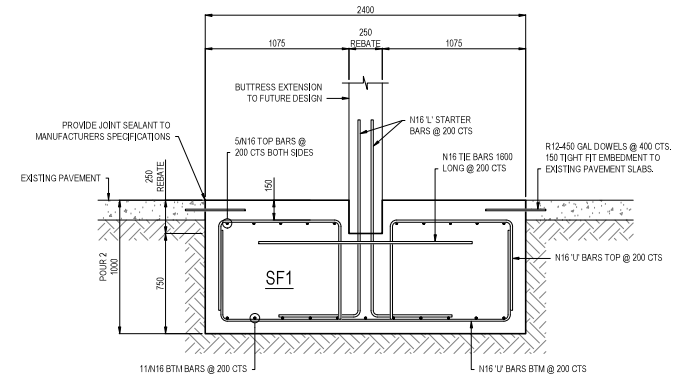
UNDERPINNING PIER & STRIP FOOTING DETAIL
SCALE 1:20



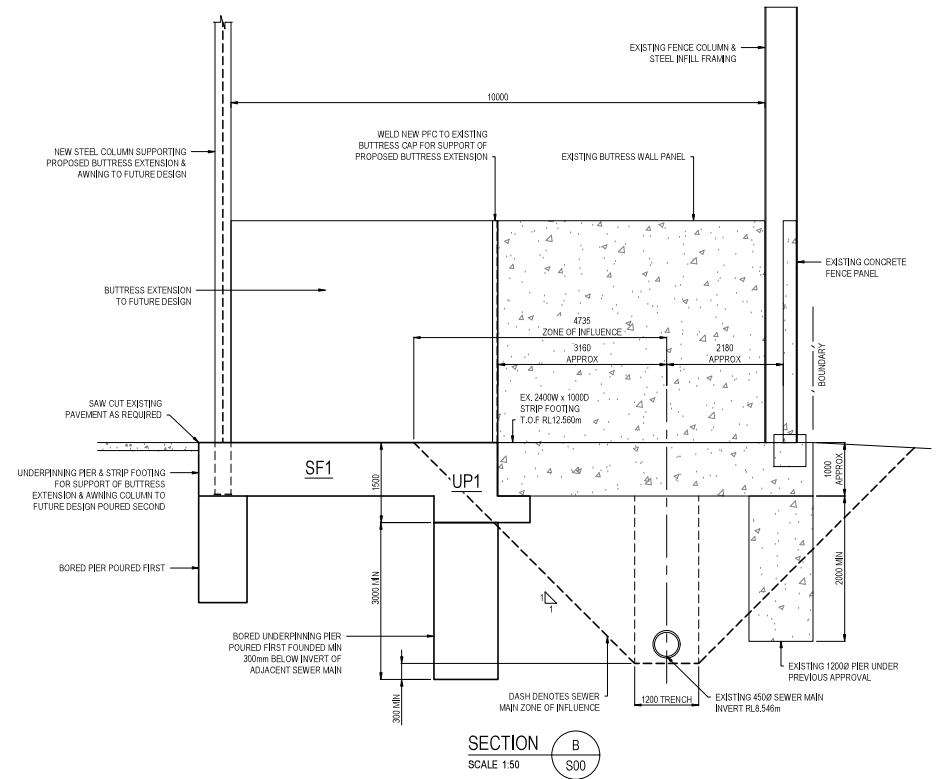
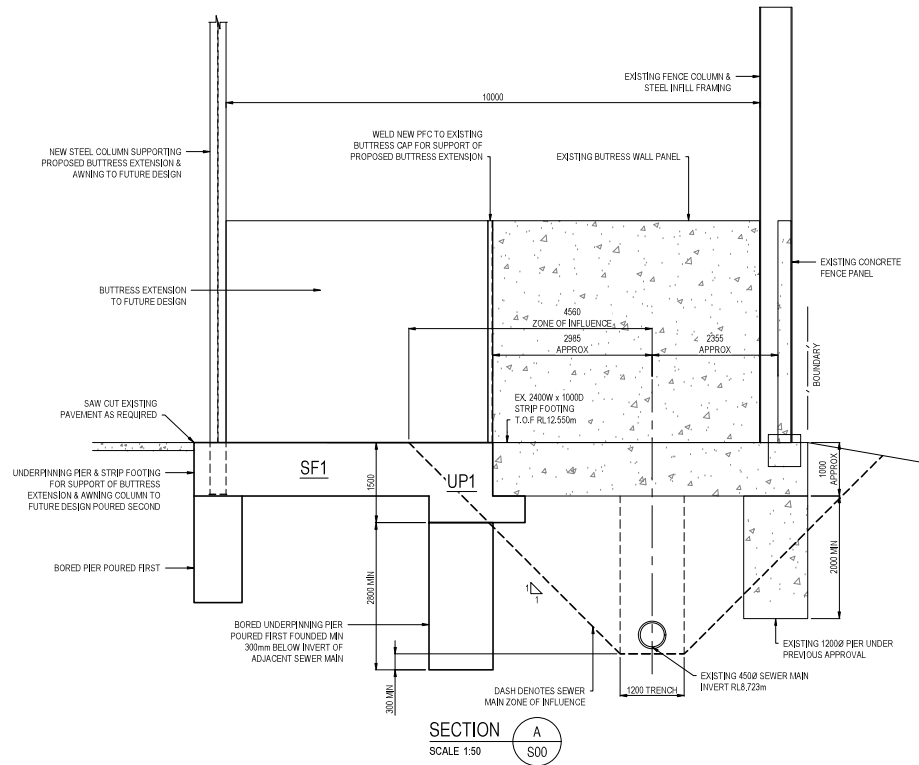
SECTION X-X
SCALE 1:20

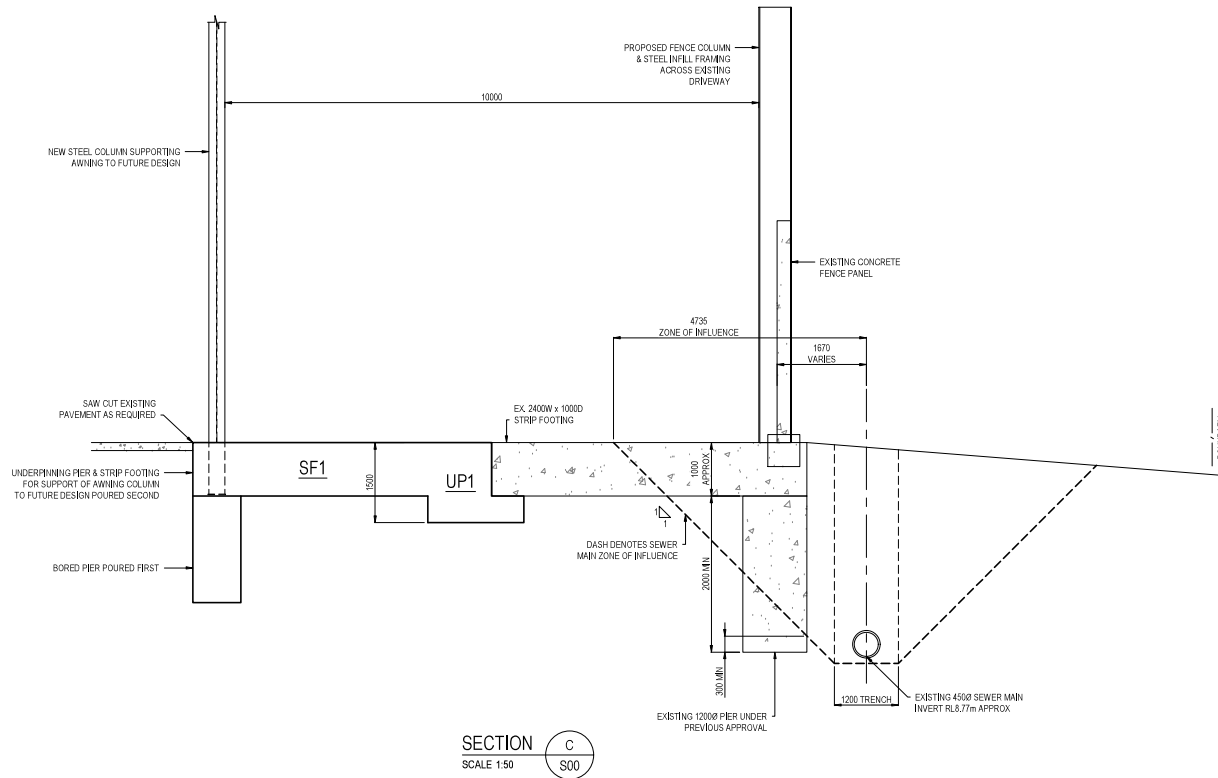


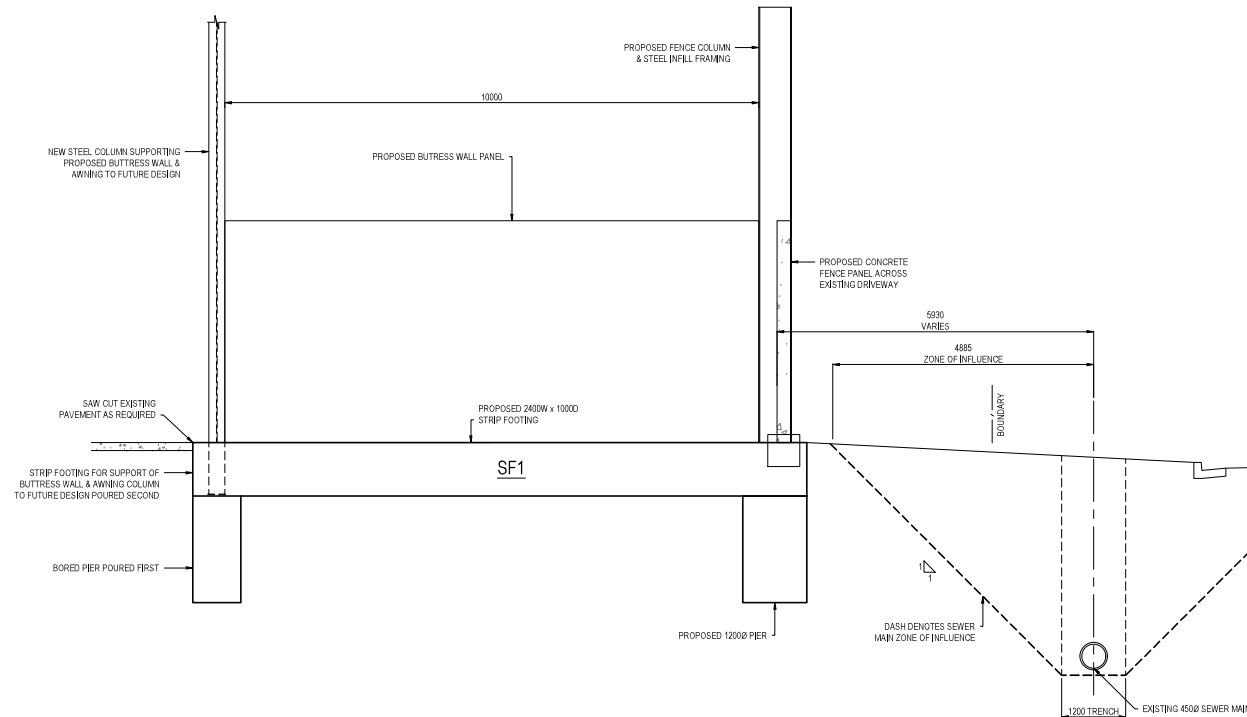
SECTION Y-Y
SCALE 1:20



SECTION Z-Z
SCALE 1:20







SECTION D
SCALE 1:50