

GENERAL NOTES

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANT DRAWINGS, SPECIFICATIONS, & OTHER WRITTEN INSTRUCTIONS ISSUED DURING THE COURSE OF THE CONTRACT. REFER ALL DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH WORK
2. ALL DIMENSION FOR SETTING OUT OR FABRICATION WORKS SHALL BE VERIFIED BY THE CONTRACTOR. ENGINEERS DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
3. UNLESS NOTED OTHERWISE (U.N.O) ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES
4. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITIONS & ENSURING NO PART SHALL BE OVERSTRESSED.

THE CONTRACTOR SHALL SUPPLY ALL TEMPORARY PROPPING & BRACING AS REQUIRED, INCLUDING TEMPORARY SUPPORT FOR EXCAVATIONS.
5. NO SUBSTITUTIONS FOR ITEMS, MATERIALS OR SIZES SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER
6. DETAILS SHOWN ON DRAWINGS ARE TYPICAL AND DO NOT COVER ALL DETAILS. IT IS EXPECTED WORKS ARE CARRIED OUT BY A SUITABLY EXPERIENCE/ QUALIFIED PERSON. IF FURTHER DETAILS ARE REQUIRED, CONTACT ENGINEER.
7. ALL MATERIALS & WORKMANSHIP SHALL BE IN ACCORDANCE WITH RELEVANT CURRENT AUSTRALIAN STANDARD CODES AND WITH THE NATIONAL CONSTRUCTION CODE (NCC)

LOAD CRITERIA

8. IMPORTANCE LEVEL 2 WITH 50 YEAR DESIGN WORKING LIFE IN ACCORDANCE WITH NCC 2019 & AS1170.0:2002
9. LIVE LOADING TO AS1170.1:2002;

FLOOR USE	LIVE LOAD (kPa)	S.I. DEAD LOAD (kPa)
GENERAL	1.5	1.0
BALCONY & DECKS	2.0	0.5
DRIVEWAY	5.0	0.5
10. WIND LOADING TO AS4055:2021;

REGION	TERRAIN CAT.	WIND CLASS	ULT - V _U	SERV. - V _S
B	2	N3	50.0 m/s	32.0 m/s
11. EARTHQUAKE LOADING TO AS1170.4:2007;
RESIDENTIAL STRUCTURE (CLASS 1A OR 1B) IN ACCORDANCE WITH:
- APPENDIX A - HEIGHT <8.5m
- E.D.C 1 - HEIGHT >8.5m

CONCRETE

1. ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS3600:2018
2. CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

ELEMENT	GRADE	SLUMP	MAX AGG SIZE
PIERS & FOOTINGS	25	100	20
SLAB ON GROUND	25	80	20
3. ALL CONCRETE SHALL BE SUPPLIED & TESTED BY CONCRETE BATCHING PLANT IN ACCORDANCE WITH AS1379:2007.
4. SITE EXPOSURE IN ACCORDANCE WITH AS 3600:2018: NEAR COSTAL, 1.0-50.0km FROM ANY COASTLINE.

THEREFORE CONCRETE EXPOSURE IS:
A1 - ALL INTERIOR SURFACES & SURFACES IN CONTACT WITH SOIL
B1 - ALL EXTERIOR SURFACES
5. MINIMUM COVER TO REINFORCEMENT SHALL BE:

ELEMENT	TOP	BTM	SIDE
PIERS & FOOTINGS	40		
INTERIOR - SLAB ON GROUND	20	-	40
EXTERIOR - SLAB ON GROUND	40	-	40
6. ADMIXTURES SHALL NOT BE USED WITHOUT WRITTEN APPROVAL BY STRUCTURAL ENGINEER
7. SLURRY USED TO LUBRICATE CONCRETE PUMPS SHALL NOT BE PUMPED INTO ANY STRUCTURAL MEMBER
8. WATER SHALL NOT BE ADDED ON-SITE TO INCREASE SLUMP TO A VALUE IN EXCESS OF SPECIFIED VALUE (REFER CONCRETE NOTE 2)
9. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED DURING PLACEMENT
10. FREE FALL OF CONCRETE DURING POUR TO BE LIMITED TO A MAX OF 3.0m. UNLESS METHOD OF PLACEMENT HAS BEEN APPROVED BY ENGINEER
11. CONCRETE SHALL BE **CURED**:
-INTERIOR SURFACE - 3 DAYS
-EXTERNAL SURFACE - 7 DAYS

CURING SHALL COMMENCE IMMEDIATELY AFTER FINISHING BY COVERING WITH PLASTIC SHEETING, SPRAYING WITH AN APPROVED CURING COMPOUND (COMPLYING WITH AS3799) OR PONDING WATER ON THE TOP SURFACE
12. IN HOT &/OR WINDY WEATHER (>28°) APPLY ALIPHATIC ALCOHOL TO ANY SLABS WITH AN EXPOSED FINISH. THIS WILL MINIMISE SURFACE CRACKING & MOISTURE LOSS
13. SIZE OF CONCRETE ELEMENTS SHOWN DO NOT INCLUDE THICKNESS OF APPLIED FINISHES
14. WHERE NOT SHOWN, CONSTRUCTIONS JOINTS SHALL BE LOCATED TO THE APPROVAL OF THE STRUCTURAL ENGINEER

REINFORCED BLOCKWORK

1. ALL MATERIAL & WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS 3700:2018
2. BLOCK, MORTAR & GROUT SHALL HAVE THE FOLLOWING PROPERTIES

2.1. BLOCK - HOLLOW CONCRETE UNITS
- 390 LONG x 190 WIDE x 190 HIGH OR AS NOTED
- COMPRESSIVE STRENGTH, f'_{uc} = 15MPa
- EXPOSURE CLASS = GENERAL PURPOSE

2.2. MORTAR - CLASS M3
- C1: L1: S6 - NO BRICKIES LOAM ALLOWED
- WATER THICKENER MAY OPTIONALLY BE USED

2.3. GROUT - 28 DAY COMPRESSIVE STRENGTH, f'_c = 20MPa
- MAX. AGGREGATE SIZE = 10mm
- SLUMP = 230 ± 25
3. SITE EXPOSURE IN ACCORDANCE WITH AS 3700:2018: NEAR COSTAL, 1.0-50.0km FROM ANY COASTLINE
4. BLOCKS SHALL BE FACE-SHELL BEDDED & ALL CORES SHALL BE GROUTED
5. CLEAN-OUT BLOCKS SHALL BE PROVIDED TO WALLS OVER 600 HIGH
6. NO RAKING OF MORTAR JOINTS, JOINTS MAY BE TOOLED 3mm MAX.
7. CONSTRUCTION JOINTS SHALL BE INSTALLED A 12.0m MAX. TO ALL FULLY REINFORCED BLOCK WALLS
8. BLOCK WALLS SHALL HAVE MINIMUM REINFORCEMENT OF N12 BARS AT 400 CENTRES, EACH WAY, UNLESS NOTED OTHERWISE
9. MINIMUM COVER TO REINFORCEMENT SHALL BE:
NOTE: COVER IS MEASURED FROM EXTERNAL FACE OF MASONRY

ELEMENT	COVER
INTERNAL WALLS	40
EXTERNAL WALLS	50
RETAINING WALLS/ WALLS IN CONTRACT WITH GROUND	50
10. GROUT SHALL NOT BE ALLOWED TO FALL MORE THAN 3.0m DURING POUR

RETAINING WALL

1. ALL MATERIAL & WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS 4678:2002
2. WALLS HAVE BEEN DESIGNED IN ACCORDANCE WITH TO A 60 YEAR DESIGN LIFE AND WALL CLASS 2 (MAX. 3.5m WALL HEIGHT)
6. FOOTINGS & PIERS SUPPORTING RETAINING WALLS SHALL BE FOUNDED IN MATERIAL AS SPECIFIED IN FOUNDATION NOTES. SUB SECTION - FOOTINGS & PIERS
7. MAXIMUM SLOPES NEXT TO WALLS SHALL BE:

7.1. BEHIND/ ABOVE WALL - 1V:10H
7.2. IN FRONT/ BELOW WALL - 1V:50H
7.3. OR AS NOTED ON DETAILS
8. ALL WALLS SHALL BE INSTALLED WITH FULL HEIGHT DRAINAGE:

8.1. 300 WIDE RECYCLED CONCRETE DRAINAGE AGGREGATE
8.2. A14 BIDIM - GEOTEXTILE WRAP OR APPROVED EQUIVALENT
8.3. 100ø SLOTTED AGG. DRAIN, WITH 1:100 FALL TO OUTLET
9. ALL AGG. PIPES SHALL BE CONNECTED TO ROOF/STORMWATER DRAINAGE SYSTEM

ALTERNATE SOLUTIONS MAY BE USED WITH WRITTEN PERMISSION BY STRUCTURAL ENGINEER
10. THE FOLLOWING HAVE NOT BEEN CONSIDERED IN DESIGN:

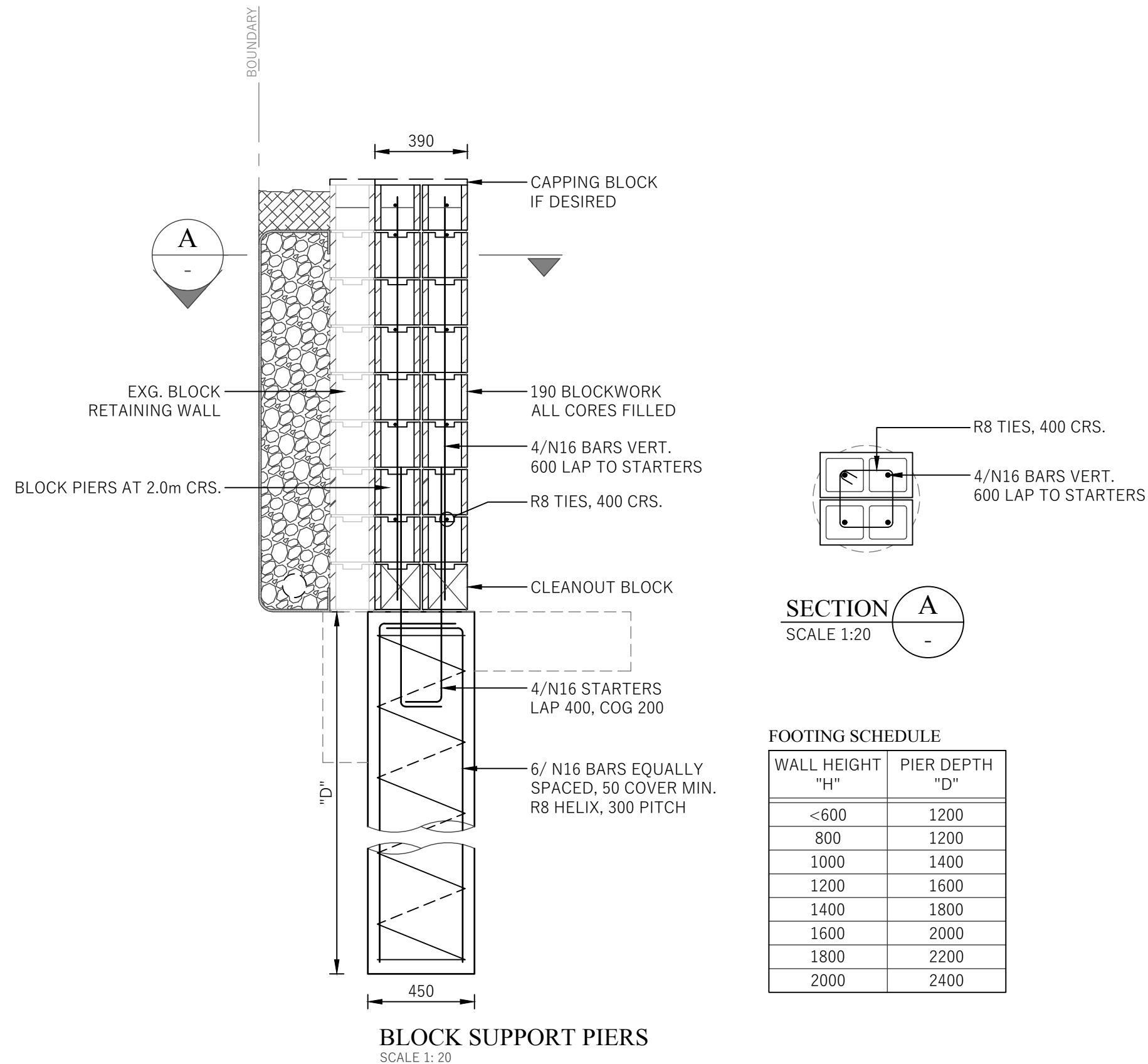
10.1. GLOBAL STABILITY - CONTRACTOR SHALL ENGAGE GEOTECHNICAL ENGINEER FOR GLOBAL STABILITY ASSESSMENT FOR ANY WALLS OVER 4.0m IN HEIGHT OR WITHIN A LANDSLIDE HAZARD ZONE

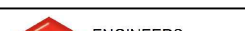
10.2. ADJACENT STRUCTURES - NO LOADS FROM ADJACENT STRUCTURES SHALL BE TRANSFERRED TO RETAINING WALL

i.e. - HOUSES, SHEDS, TANKS, POOLS & RETAINING WALLS

10.3. CONSTRUCTION EQUIPMENT & HEAVY COMPACTION EQUIPMENT - SHALL BE KEPT A DISTANCE EQUAL TO WALL HEIGHT AWAY FROM THE BACK OF RETAINING WALL
- BLOCK RETAINING WALL
11. BLOCK, MORTAR, GROUT MATERIAL & WORKMANSHIP SHALL BE AS PER STRUCTURAL BLOCK WORK NOTES
12. MINIMUM REINFORCEMENT SHALL BE AS SPECIFIED ON DETAIL SHEETS, IF DETAIL IS NOT PROVIDED ON DRAWINGS - CALL THE ENGINEER
13. FOOTINGS & PIERS SUPPORTING RETAINING WALLS SHALL BE FOUNDED IN MATERIAL AS SPECIFIED IN FOUNDATION NOTES, SUB SECTION - FOOTINGS & PIERS
14. RETAINING WALL SHALL NOT BE BACKFILLED FOR A PERIOD OF 14 DAYS AFTER GROUTING OF BLOCK CORES
15. BLOCK RETAINING WALLS ASSOCIATED WITH HABITABLE AREAS SHALL BE WEATHERPROOF. EXTERNAL FACE SHALL BE TANKED WITH CROMMELIN BLACKSEAL HEAVY DUTY BITUMEN WATERPROOFING MEMBRANE OR AN APPROVED EQUIVALENT

ALL TANKING PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS



				 DESIGN SIRS ENGINEERS Structural Consulting Engineers Residential, Commercial & Industrial Investigation & Reporting	  Mobile: 0437 859 236 Email: info@designsirs.com.au 80 Esther Street, Deagon QLD 4017	Date: FEB. 24	CLIENT CORE4 SERVICES	PROJECT RETAINING WALL RECTIFICATION WORKS AT 1 BERGIN STREET, MILTON QLD 4064	PROJECT NO. S5620	
01	ISSUED FOR CONSTRUCTION	12/02/24	J.W.			Certified:  MARK CHILTONS RPEQ: 25483			 THIS DRAWING & THE STRUCTURAL DESIGN CONTAINED WITHIN REMAINS THE PROPERTY OF DESIGN SIRS AND SHALL NOT BE COPIED, USED OR RETAINED IN PART OR IN WHOLE WITHOUT WRITTEN CONSENT	TITLE DETAIL SHEET 1
Rev.	Description:	Date	Appd.							

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS. ALL DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. ONLY FIGURED DIMENSIONS ARE TO BE USED. DO NOT SCALE DRAWINGS

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED BEFORE SETTING-OUT, CONSTRUCTION OR FABRICATION IS COMMENCED.

DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE STRUCTURE AND OTHER ADJACENT STRUCTURES

WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT AUSTRALIAN STANDARDS

CONFIRM WITH ALL OTHER RELEVANT STAKEHOLDERS THE LOCATION OF THE PROPOSED RETAINING WALLS, PARTICULARLY REGARDING PROPERTY BOUNDARIES

THE CONTRACTOR IS TO ENSURE ALL NECESSARY BOUNDARY ENCROACHMENT PERMISSIONS ARE IN PLACE PRIOR TO COMMENCEMENT OF WORKS

ALL FOOTINGS SHALL BE FOUNDED IN LEVEL 1 COMPACTED FILL OR NATURAL MATERIAL

ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS3600:2018 & AS1379:2007

UNLESS NOTED OTHERWISE ON THE PLANS, CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS:

CONCRETE GRADE TYPES: N - NORMAL CLASS
S - SPECIAL CLASS

MAX. EXPOSURE CLASSIFICATION SHALL BE B1 UNLESS NOTED OTHERWISE. MINIMUM COVER SHALL BE AS NOTED ABOVE

NO CONCRETE ADDITIVES SHALL BE USED WITHOUT WRITTEN PERMISSION OF THE ENGINEER

FOOTING EXCAVATION SHALL BE FREE OF WATER AND LOOSE SOIL BEFORE PLACEMENT OF CONCRETE BEGINS.

CONCRETE SHALL CURE FOR A MINIMUM OF 3 DAYS PRIOR TO BACKFILLING

SHAPE TOP OF PIERS SUCH THAT ALL CONCRETE FALLS AWAY FROM POST WITH A MINIMUM FALL OF 1 IN 50. FILL ALL OVERBREAKS AROUND FOOTING WITH CONCRETE OF SAME GRADE

ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS4100:2020

ALL REINFORCEMENT IS TO BE N CLASS DEFORMED BAR TO AS/NZS 4671:2019, NORMAL CLASS GRADE 500

WELDING OF REINFORCEMENT TO POST SHALL BE IN ACCORDANCE WITH AS/NZS 1554.3:2014. EXAMINATION OF WELDS SHALL BE 100% VISUAL

HOT ROLLED POSTS SHALL BE GRADE 300 TO AS/NZS 3679.1:2010 & HOT DIP GALVANISED 500gsm MIN. TO AS/NZS 4680:2006

WELDING OF POST SHALL BE CATEGORY SP IN ACCORDANCE WITH AS/NZS 1554.1:2014 USING A-E35 0/ B-E43XX ELECTRODES COMPLYING WITH AS4855:2007

STEEL SHALL BE CLEAN AND FREE FROM RUST, DUST & OTHER DEBRIS AT INSTALLATION. ANY STEEL REINFORCEMENT WITH RUST OR STAINING TO BE WIRE BRUSHED CLEAN

R1. DESIGN IS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
AS1170.0-AS1170.4 - STRUCTURAL DESIGN ACTION SERIES
AS2159:2009 - PILING - DESIGN & INSTALLATION
AS3600:2018 - CONCRETE STRUCTURES
AS4100:1998 - STEEL STRUCTURES
AS4678:2002 - EARTH RETAINING STRUCTURES

R2. DESIGN CRITERIA:
DESIGN LIFE - 60 YEARS
WALL CLASS - 2 (AS PER AS4678)
LIVE LOAD - AS NOTED ON DRAWINGS
WIND LOADS - AS NOTED ON DRAWINGS
SOIL TYPE - AS NOTED ON DRAWINGS

R3. WALL SHALL BE INSTALLED WITH A MINIMUM BACKLEAN OF APPROXIMATELY 1:20

R4. MAXIMUM SLOPES NEXT TO WALLS, UNLESS NOTED OTHERWISE:
BEHIND/ABOVE WALL - 1V:10H
IN-FRONT/ BELOW WALL - 1V:50H

R5. ALL SLEEPERS SHALL BE PROPRIETARY CONCRETE SLEEPERS SUPPLIED BY Q-PRO OR REAL-CRETE AS PER SLEEPER DETAIL PROVIDED

R6. MINIMUM SLEEPER END BEARING ON POST:
WALL HEIGHT 0.2 - 2.0m = 30mm
WALL HEIGHT 2.0 - 4.0m = 40mm
WALL HEIGHT >4.0m = 50mm

R7. GEOTECHNICAL CONDITIONS MUST BE CONFIRMED UPON SITE INSPECTION BY A COMPETENT ENGINEER

R8. GLOBAL STABILITY - HAS NOT BEEN CONSIDERED IN THIS DESIGN. THE DESIGN IS BASED UPON THE ASSUMPTION THAT THE WALL IS FOUNDED ON GROUND NOT SUBJECT TO SLIP.

THE DETERMINATION OF THE SITE SUSCEPTIBILITY TO SLIP IS THE RESPONSIBILITY OF THE PROJECT ENGINEER AND THE GEOTECHNICAL CONSULTANT

R9. ADJACENT STRUCTURES - HAVE NOT BEEN CONSIDERED IN THIS DESIGN. ADDITIONAL IMPOSED LOADS FROM ADJACENT STRUCTURES SHALL BE DESIGNED & CONSTRUCTED SUCH THAT NO LOADS ARE TRANSFERRED TO THE RETAINING WALL

i.e.- HOUSES, SHEDS, TANKS, RETAINING WALLS, POOLS, ETC.

R10. WATER PRESSURE - LOADS ARE BASED ON THE ACCEPTANCE THAT WATER PRESSURE WOULD NOT BE ALLOWED TO BUILD-UP BEHIND THE WALL

LARGE VOLUMES OF WATER MUST NOT BE CONCENTRATED TO FLOW TO ANY AREA BEHIND THE WALL. OVERLAND FLOW SHALL NOT BE DISCHARGED OVER THE RETAINING WALL, UNLESS IT IS CONTAINED IN A DROP STRUCTURE

WALL IS NOT SUITABLE FOR AREAS SUBJECT TO FLOODING UNLESS SPECIFICALLY NOTED ON THE DRAWINGS

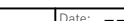
R11. CONSTRUCTION TRAFFIC - SHALL BE KEPT A DISTANCE EQUIVALENT TO THE WALL HEIGHT AWAY FROM THE BACK OF THE WALL

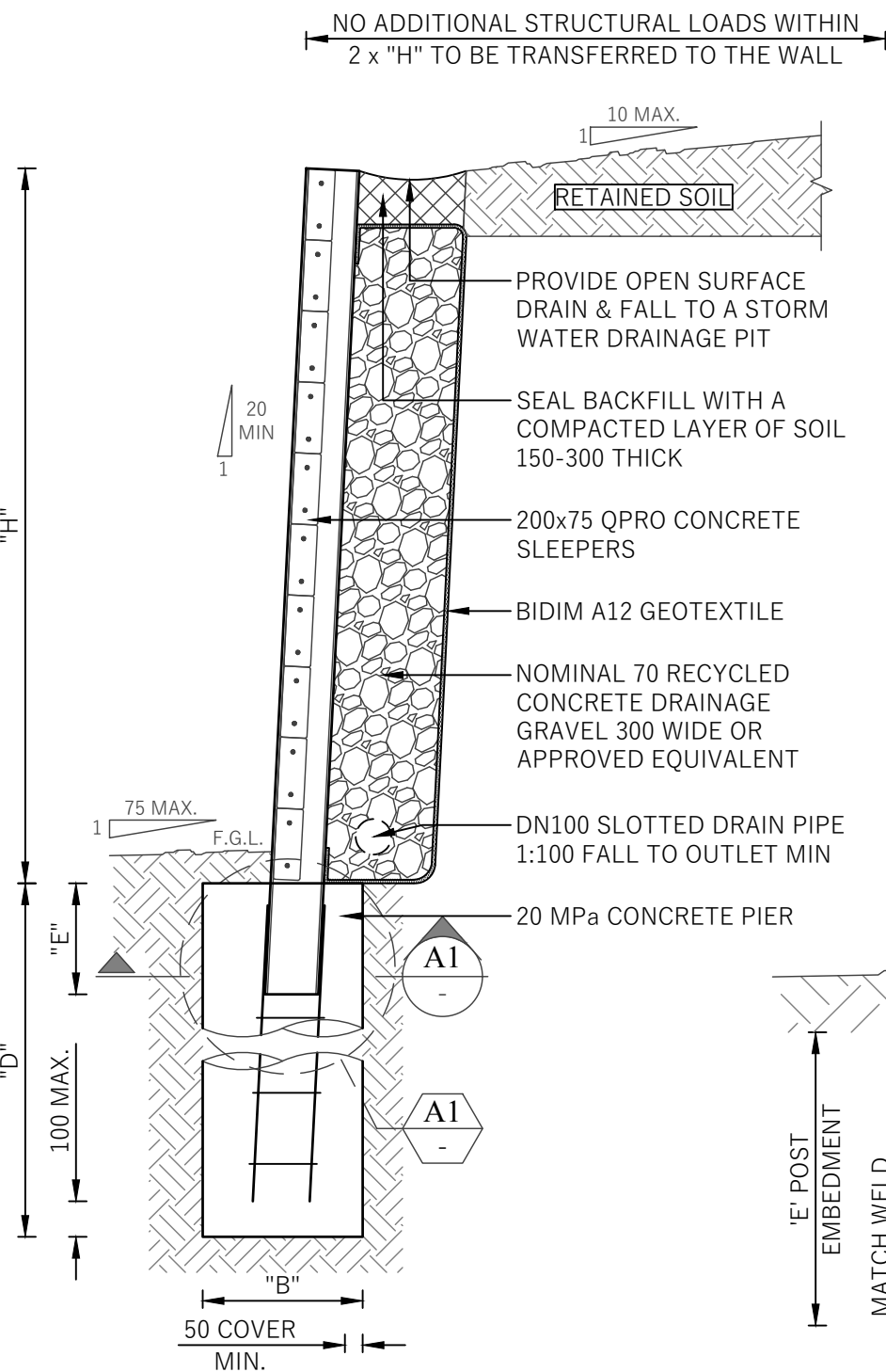
R12. HEAVY COMPACTION EQUIPMENT - TO BE WITHIN A DISTANCE EQUIVALENT TO WALL HEIGHT AWAY FROM THE WALL. LIGHT COMPACTION WITH MANUAL (HANDHELD) EQUIPMENT SHALL BE DONE DIRECTLY BEHIND THE WALL. i.e WACKER PACKER OR VIBRATION PLATE COMPACTION DEVICES

R13. LARGE TREES & SHRUBS - ARE NOT TO BE KEPT A DISTANCE EQUIVALENT TO THE WALL HEIGHT AWAY FROM THE BACK OF THE WALL. WATERING OF GARDEN BEDS ABOVE WALL TO BE KEPT TO A MINIMUM

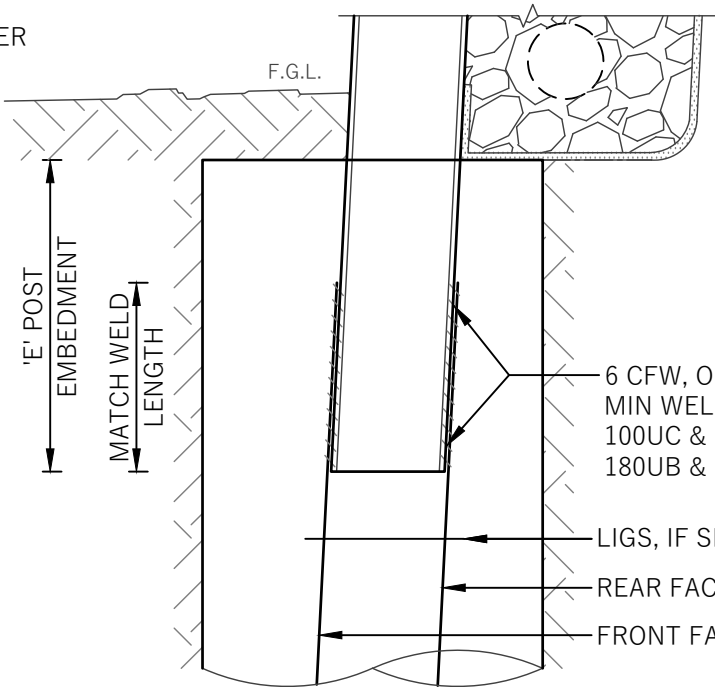
R14. SEEK ENGINEERING ADVICE IF EXCAVATION NEEDED IN FRONT OF THE WALL



				   DESIGN SIRS ENGINEERS Structural Consulting Engineers Residential, Commercial & Industrial Investigation & Reporting Mobile: 0437 859 236 Email: info@designsirs.com.au 80 Esther Street, Deagon QLD 4017	Date: FEB. 24 Drawn: J.W. Design: M.C. Certified: 	CLIENT CORE4 SERVICES	PROJECT RETAINING WALL RECTIFICATION WORKS AT 1 BERGIN STREET, MILTON QLD 4064	PROJECT NO. S5620	
01	ISSUED FOR CONSTRUCTION	12/02/24	J.W.		Mobile: 0437 859 236 Email: info@designsirs.com.au 80 Esther Street, Deagon QLD 4017		TITLE DETAIL SHEET 2	DRAWING NO. S2	REV. 01
Rev.	Description:	Date	Appd.						



SINGLE TIER WALL TYP.
SCALE 1: 20



SECTION A1
SCALE 1:20

WALL TYPE 1 - SINGLE TIER WALL RETAINING RESIDENTIAL LOT (SOIL TYPE 1)

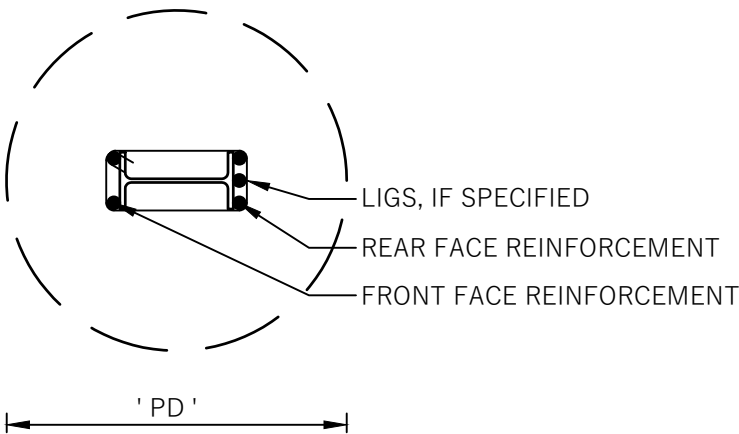
WALL HEIGHT (H)	FOOTINGS			INTERNAL POST					END POST	
	PIER DIA (B)	PIER DEPTH (D)	PIER SPACING (S)	INTERNAL POST	POST EMBED (E)	REAR FACE REINF.	FRONT FACE REINF.	LIGS	END POST	POST EMBED (E)
600	450	1100	2000	100UC14.8	400	2-N12	2-N12	-	100PFC	1000
800	450	1300	2000	100UC14.8	400	2-N12	2-N12	-	100PFC	1200
1000	450	1500	2000	100UC14.8	400	2-N12	2-N12	-	100PFC	1400
1200	450	1700	2000	100UC14.8	400	2-N16	2-N16	-	100PFC	1600
1400	450	1900	2000	100UC14.8	400	2-N16	2-N16	-	100PFC	1800
1600	450	2100	2000	100UC14.8	400	2-N16	2-N16	-	150PFC	2000
1800	450	2200	1600	100UC14.8	400	2-N16	2-N16	-	150PFC	2100
2000	450	2400	1600	150UC23.4	500	2-N20	2-N20	-	150PFC	2300

NOTES

1. ALL FOOTINGS ARE TO BE FOUNDED IN NATURAL UNDISTURBED STIFF CLAY

DESIGN PARAMETERS - CONTROLLED FILL (SOIL TYPE 1)

SURCHARGE LOAD	2.5kPa
WIND LOAD	1800 HIGH SOLID FENCE
	REGION B, TERRAIN CATEGORY 3
GEOTECHNICAL	SOIL UNIT WEIGHT = 18kN/m ³
	INTERNAL ANGLE OF FRICTION = 26°
	DRAINED COHESION, C' = 2kPa



DETAIL A2
SCALE 1:10

				 DESIGN SIRS ENGINEERS Structural Consulting Engineers Residential, Commercial & Industrial Investigation & Reporting	 REGISTERED Engineers Australia	 ENGINEERS AUSTRALIA Professional Engineer MEMBER Mobile: 0437 859 236 Email: info@designsirs.com.au 80 Esther Street, Deagon QLD 4017	Date: FEB. 24	CLIENT CORE4 SERVICES	PROJECT RETAINING WALL RECTIFICATION WORKS AT 1 BERGIN STREET, MILTON QLD 4064	PROJECT NO. S5620	
							Drawn: J.W.				
							Design: M.C.				
01	ISSUED FOR CONSTRUCTION	12/02/24	J.W.				Certified:  MARK CHILTONS RPEQ: 25483	 THIS DRAWING & THE STRUCTURAL DESIGN CONTAINED WITHIN REMAINS THE PROPERTY OF DESIGN SIRS AND SHALL NOT BE COPIED, USED OR RETAINED IN PART OR IN WHOLE WITHOUT WRITTEN CONSENT	TITLE DETAIL SHEET 3	DRAWING NO. S3	REV. 01
Rev.	Description:	Date	Appd.								