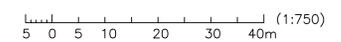


NOTE
 CONTRACTOR SHALL PROTECT THE BYPASS PUMP
 PIPEWORK FROM VEHICLE MOVEMENTS INCLUDING
 LIQUID WASTE TANKERS MOVEMENT TO AND FROM
 POND 1A ACCESS CHAMBER.



**INLET WORKS
 SITE PLAN**
 SCALE 1:750

ISSUED FOR TENDER

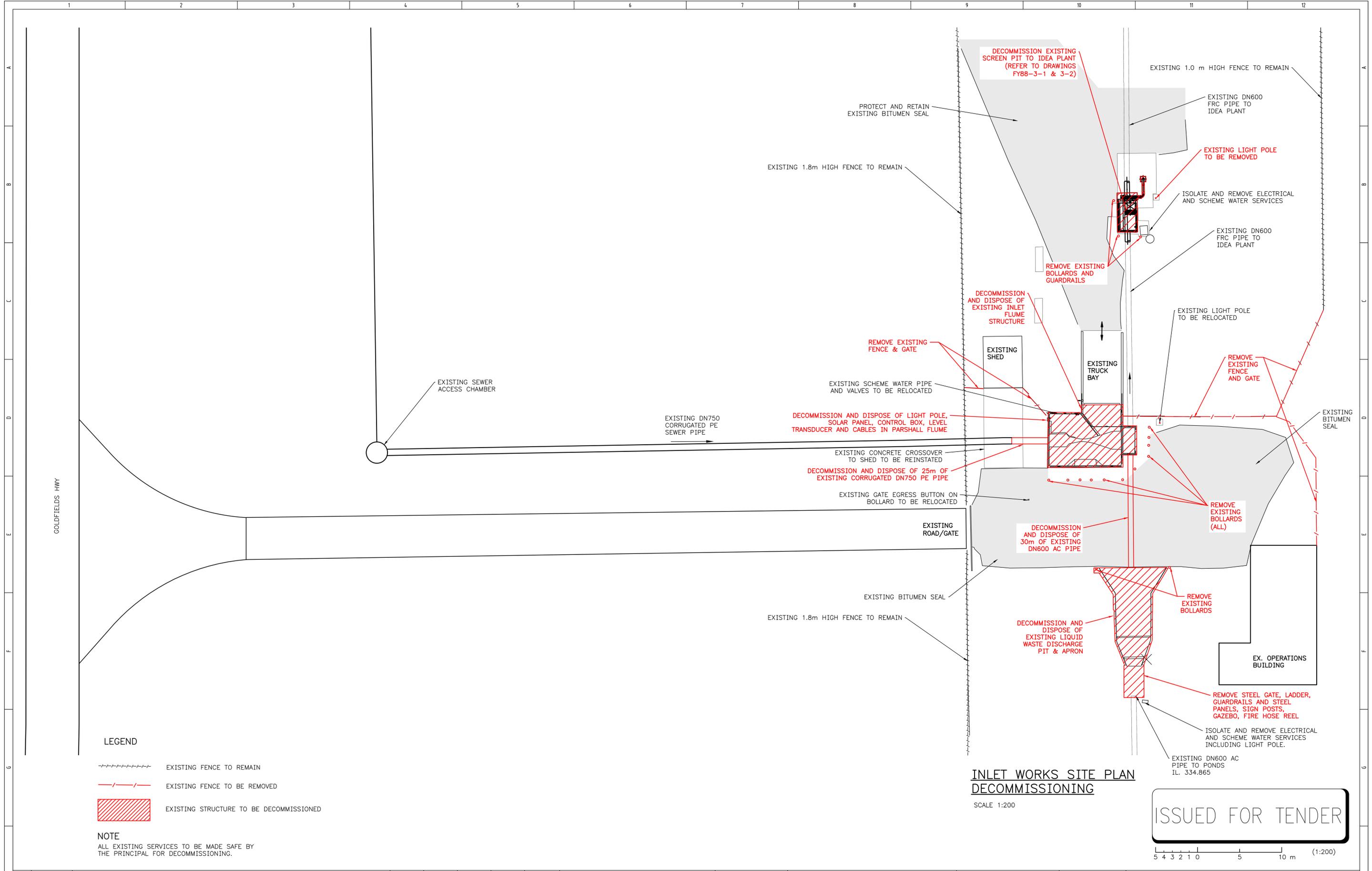


REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB



DRAWN:	BD	DATE:	JAN. 2024
CHECKED:	MW	DATE:	JAN. 2024
DESIGNED:	BD	DATE:	JAN. 2024
APPROVED:	GD	DATE:	JAN. 2024
CLIENT:	CITY OF KALGOORLIE		

CITY OF KALGOORLIE-Boulder	
SOUTH BOULDER WWTP	
INLET WORKS	
SITE PLAN - AERIAL VIEW	
SCALE:	DRG No
AS NOTED	1034-03-08-DWG-001-1
REV	0



LEGEND

- EXISTING FENCE TO REMAIN
- - - - - EXISTING FENCE TO BE REMOVED
- ▨ EXISTING STRUCTURE TO BE DECOMMISSIONED

NOTE

ALL EXISTING SERVICES TO BE MADE SAFE BY THE PRINCIPAL FOR DECOMMISSIONING.

**INLET WORKS SITE PLAN
DECOMMISSIONING**

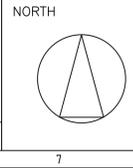
SCALE 1:200

ISSUED FOR TENDER

5 4 3 2 1 0 5 10 m (1:200)

REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB

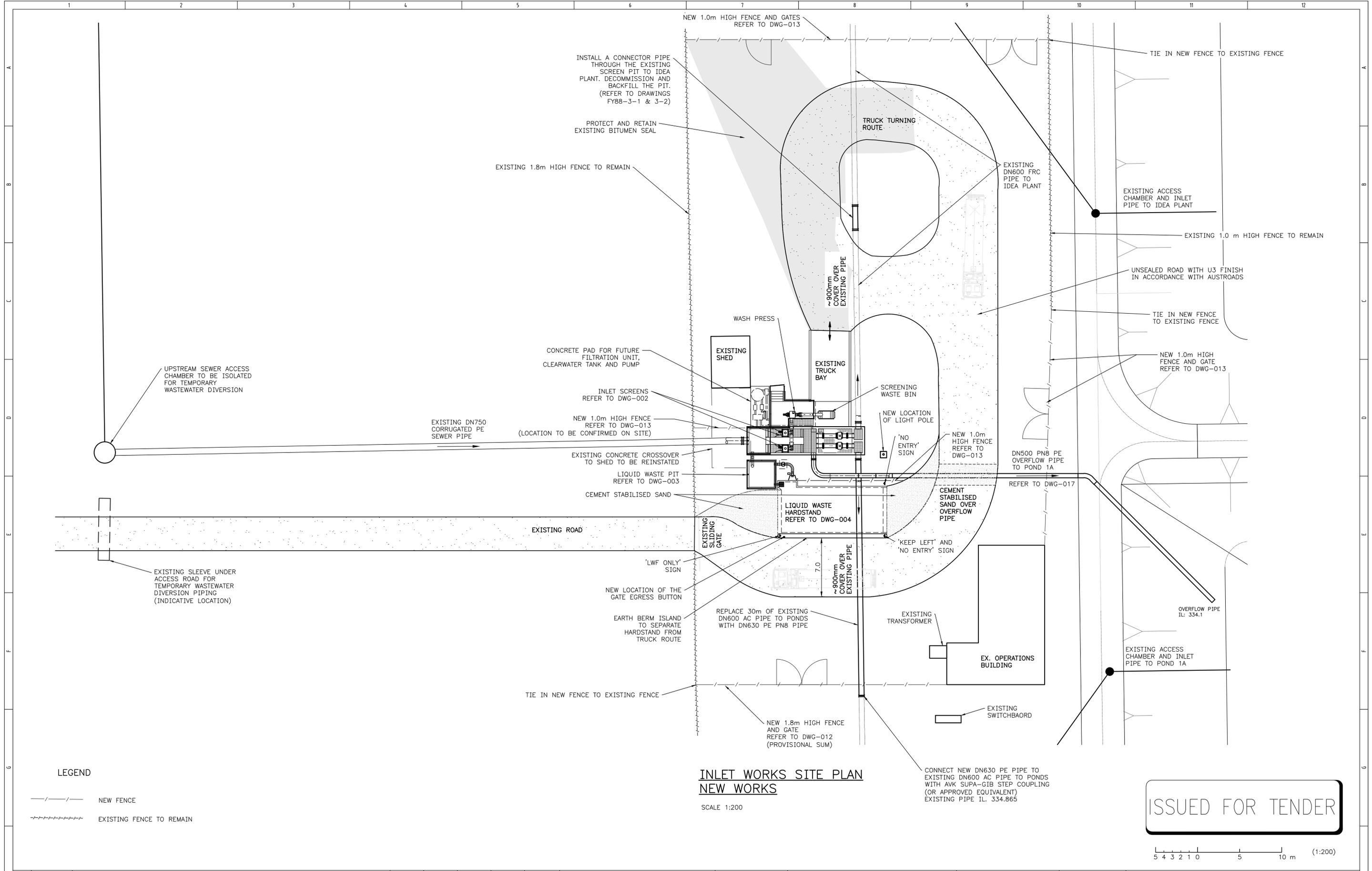
WISE
WATER INFRASTRUCTURE
SCIENCE ENGINEERING



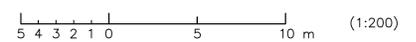
CLIENT

DRAWN:	BD	DATE:	JAN. 2024
CHECKED:	MW	DATE:	JAN. 2024
DESIGNED:	BD	DATE:	JAN. 2024
APPROVED:	GD	DATE:	JAN. 2024
CLIENT:	CITY OF KALGOORLIE		

CITY OF KALGOORLIE-Boulder	
SOUTH BOULDER WWTP	
INLET WORKS	
SITE PLAN - DECOMMISSIONING	
SCALE:	DRG No
AS NOTED	1034-03-08-DWG-001-2
REV	0



ISSUED FOR TENDER

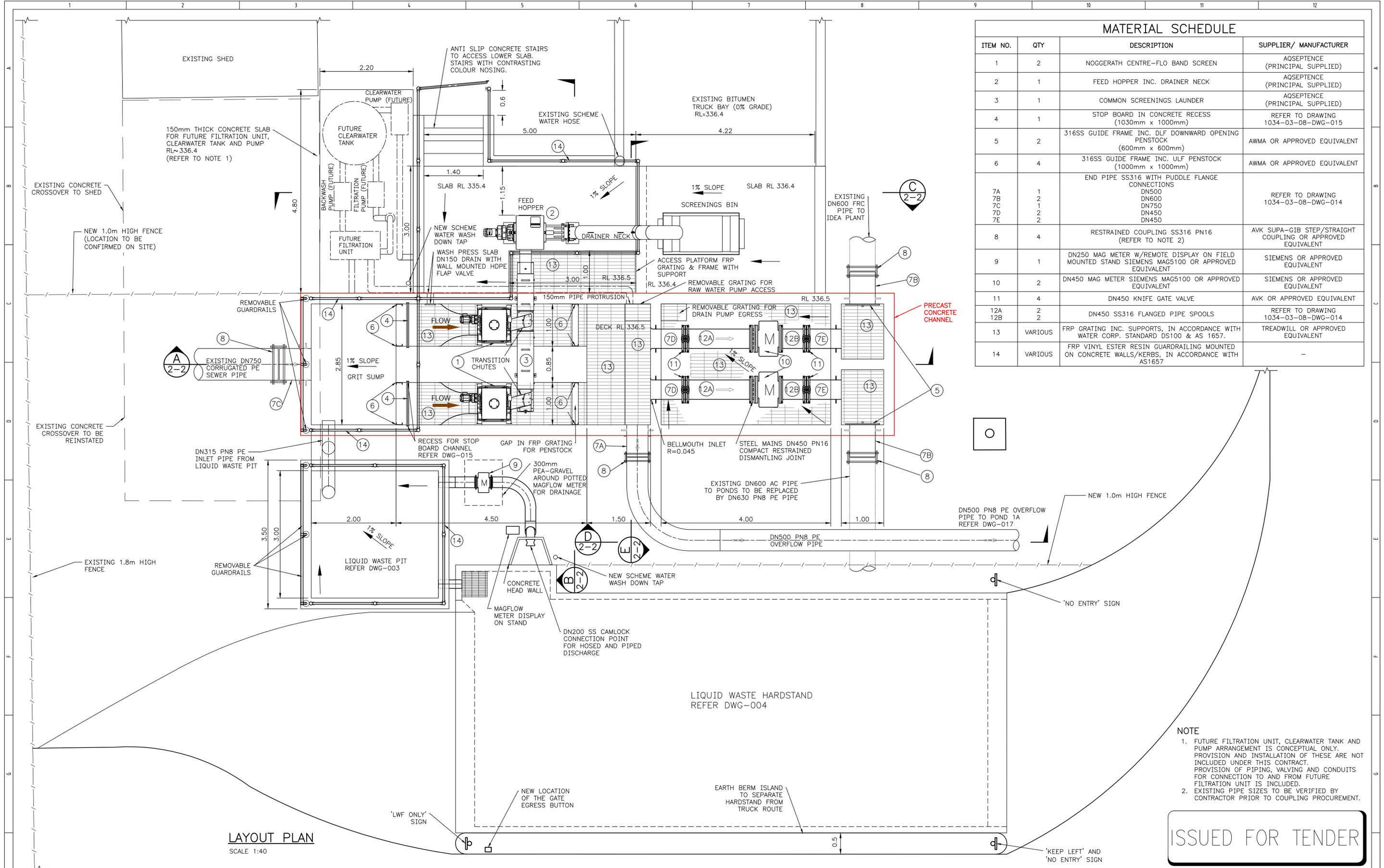


2	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB				DRAWN:	RB	DATE:	FEB. 2023	CITY OF KALGOORLIE-Boulder SOUTH BOULDER WWTP INLET WORKS SITE PLAN - NEW WORKS SCALE: AS NOTED DRG No: 1034-03-08-DWG-001-3 REV: 2
1	DEC. 2023	ISSUED FOR CLIENT REVIEW	BD	MW	BD	GD	CKB				CHECKED:	PH	DATE:	FEB. 2023	
0	MAR. 2023	ISSUED FOR EQUIPMENT SUPPLY TENDER	RB	PH	PH	GD	CKB				DESIGNED:	PH	DATE:	FEB. 2023	
A	FEB. 2023	DRAFT FOR CLIENT REVIEW	RB	PH	PH	GD	CKB				APPROVED:	GD	DATE:	FEB. 2023	
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT				CLIENT:	CITY OF KALGOORLIE			



DRAWN:	RB	DATE:	FEB. 2023
CHECKED:	PH	DATE:	FEB. 2023
DESIGNED:	PH	DATE:	FEB. 2023
APPROVED:	GD	DATE:	FEB. 2023
CLIENT:	CITY OF KALGOORLIE		

CITY OF KALGOORLIE-Boulder
 SOUTH BOULDER WWTP
 INLET WORKS
 SITE PLAN - NEW WORKS
 SCALE: AS NOTED
 DRG No: 1034-03-08-DWG-001-3
 REV: 2



MATERIAL SCHEDULE			
ITEM NO.	QTY	DESCRIPTION	SUPPLIER/ MANUFACTURER
1	2	NOGGERATH CENTRE-FLO BAND SCREEN	AOSEPTENCE (PRINCIPAL SUPPLIED)
2	1	FEED HOPPER INC. DRAINER NECK	AOSEPTENCE (PRINCIPAL SUPPLIED)
3	1	COMMON SCREENINGS LAUNDER	AOSEPTENCE (PRINCIPAL SUPPLIED)
4	1	STOP BOARD IN CONCRETE RECESS (1030mm x 1000mm)	REFER TO DRAWING 1034-03-08-DWG-015
5	2	316SS GUIDE FRAME INC. DLF DOWNWARD OPENING PENSTOCK (600mm x 600mm)	AWMA OR APPROVED EQUIVALENT
6	4	316SS GUIDE FRAME INC. ULF PENSTOCK (1000mm x 1000mm)	AWMA OR APPROVED EQUIVALENT
7A	1	END PIPE SS316 WITH PUDDLE FLANGE CONNECTIONS DN500 DN600 DN750 DN450 DN450	REFER TO DRAWING 1034-03-08-DWG-014
7B	2		
7C	1		
7D	2		
7E	2		
8	4	RESTRAINED COUPLING SS316 PN16 (REFER TO NOTE 2)	AVK SUPA-GIB STEP/STRAIGHT COUPLING OR APPROVED EQUIVALENT
9	1	DN250 MAG METER W/REMOTE DISPLAY ON FIELD MOUNTED STAND SIEMENS MAG5100 OR APPROVED EQUIVALENT	SIEMENS OR APPROVED EQUIVALENT
10	2	DN450 MAG METER SIEMENS MAG5100 OR APPROVED EQUIVALENT	SIEMENS OR APPROVED EQUIVALENT
11	4	DN450 KNIFE GATE VALVE	AVK OR APPROVED EQUIVALENT
12A	2	DN450 SS316 FLANGED PIPE SPOOLS	REFER TO DRAWING 1034-03-08-DWG-014
12B	2		
13	VARIOUS	FRP GRATING INC. SUPPORTS, IN ACCORDANCE WITH WATER CORP. STANDARD DS100 & AS 1657.	TREADWILL OR APPROVED EQUIVALENT
14	VARIOUS	FRP VINYL ESTER RESIN GUARDRAILING MOUNTED ON CONCRETE WALLS/KERBS, IN ACCORDANCE WITH AS1657	-

NOTE

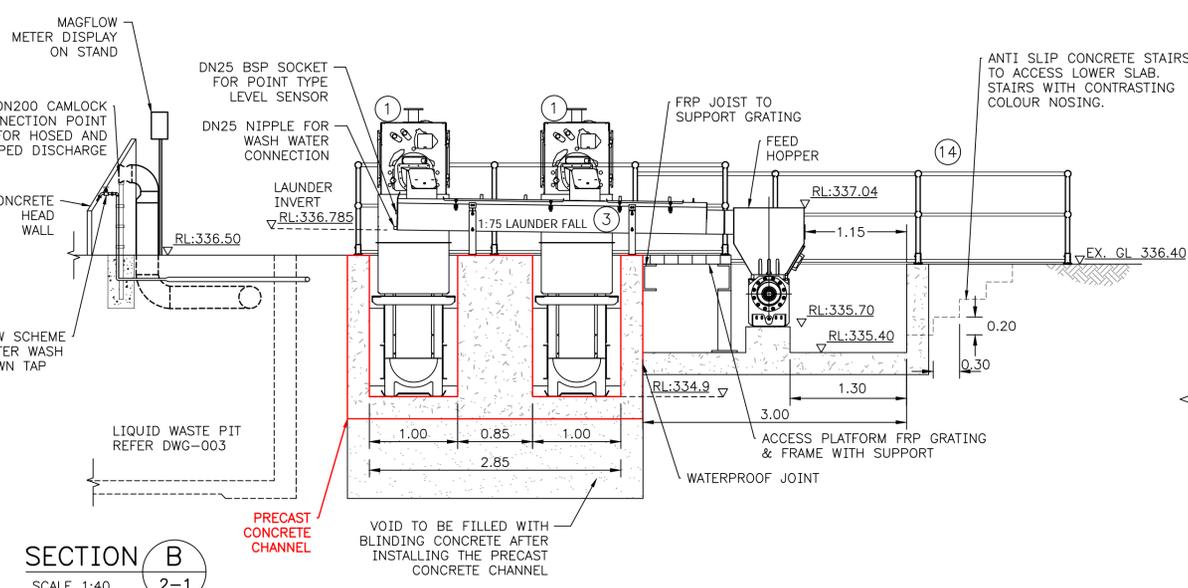
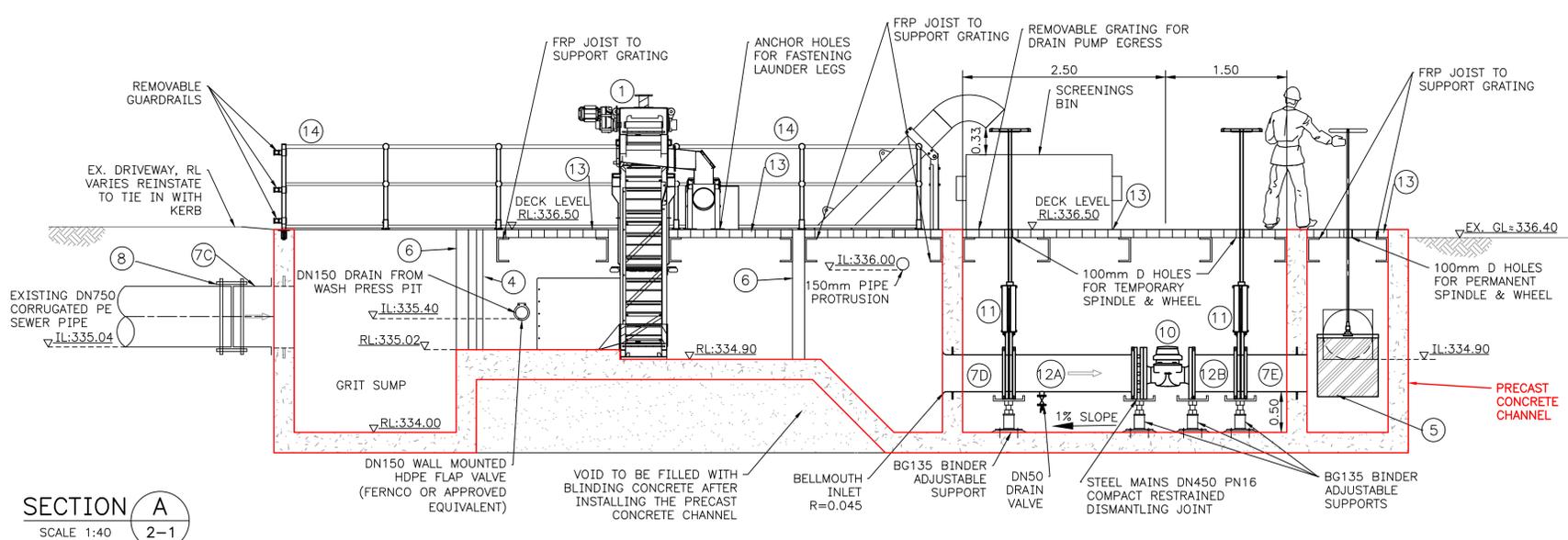
- FUTURE FILTRATION UNIT, CLEARWATER TANK AND PUMP ARRANGEMENT IS CONCEPTUAL ONLY. PROVISION AND INSTALLATION OF THESE ARE NOT INCLUDED UNDER THIS CONTRACT. PROVISION OF PIPING, VALVING AND CONDUITS FOR CONNECTION TO AND FROM FUTURE FILTRATION UNIT IS INCLUDED.
- EXISTING PIPE SIZES TO BE VERIFIED BY CONTRACTOR PRIOR TO COUPLING PROCUREMENT.

ISSUED FOR TENDER

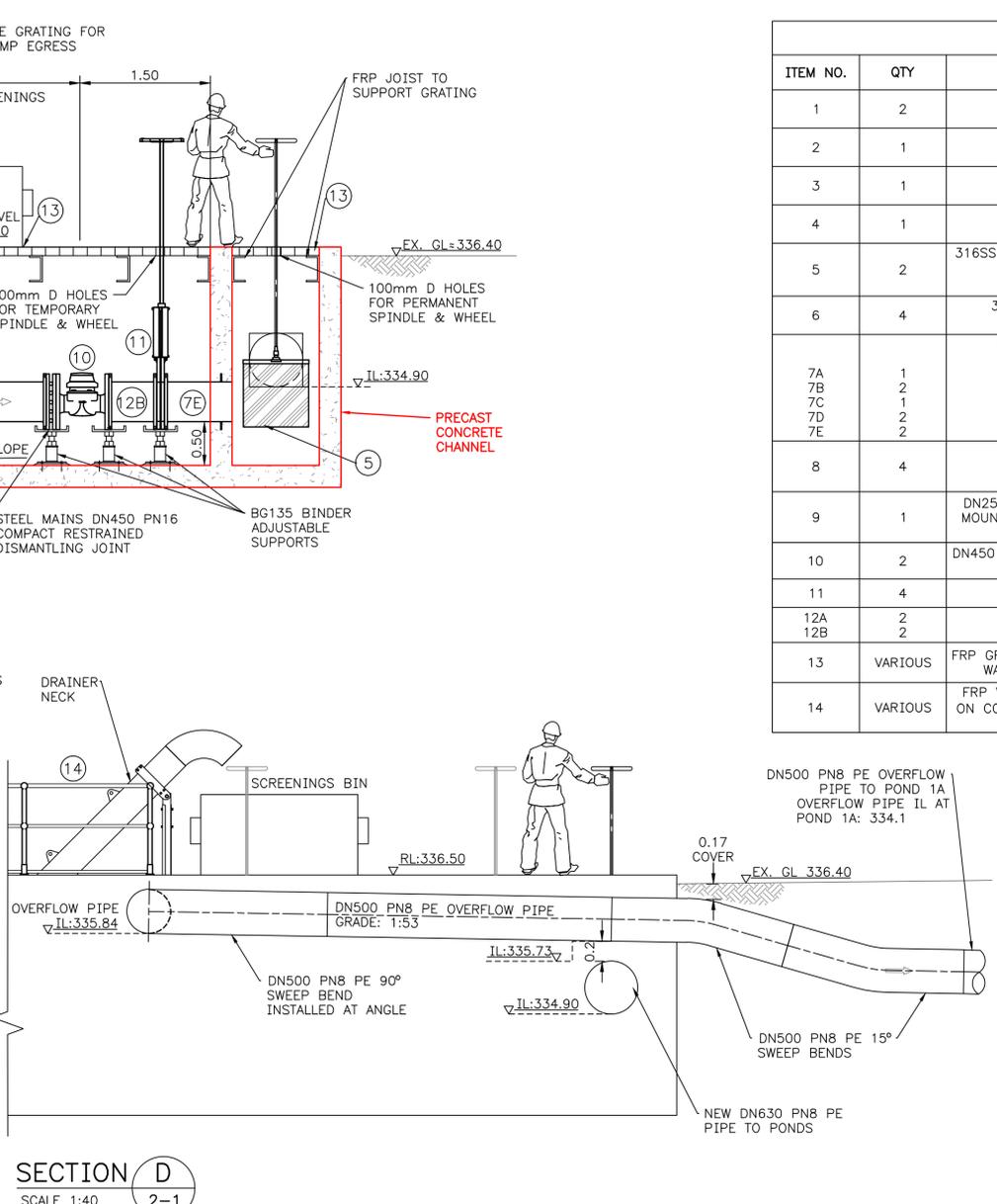
LAYOUT PLAN
SCALE 1:40

2 01.03.24 ISSUED FOR TENDER 1 DEC. 2023 ISSUED FOR CLIENT REVIEW 0 MAR. 2023 ISSUED FOR EQUIPMENT SUPPLY TENDER A FEB. 2023 DRAFT FOR CLIENT REVIEW	BD MW BD GD CKB BD MW BD GD CKB RB PH PH GD CKB RB PH PH GD CKB	DRAWN CHECKED DESIGNED APPROVED CLIENT WISE PROJECT NO. 1034-03-08	 NORTH 	CLIENT City of Kalgoorlie-Boulder	DRAWN: RB DATE: FEB. 2023 CHECKED: PH DATE: FEB. 2023 DESIGNED: PH DATE: FEB. 2023 APPROVED: GD DATE: FEB. 2023 CLIENT: CKB	CITY OF KALGOORLIE-Boulder SOUTH Boulder WWTP INLET WORKS GENERAL ARRANGEMENT PLAN SCALE: AS NOTED DRG No 1034-03-08-DWG-002-1 REV 2
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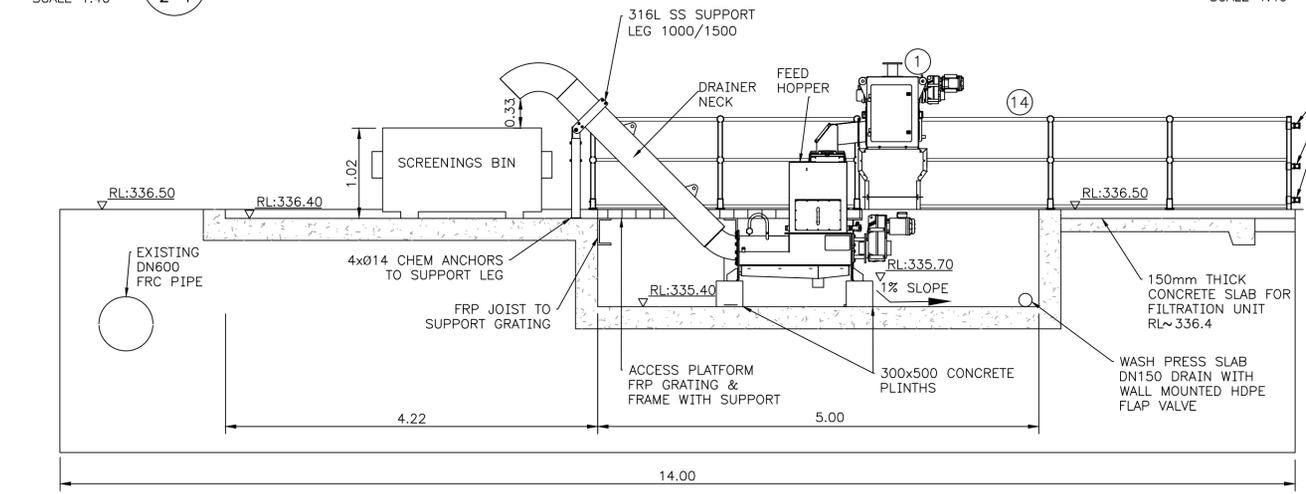
SECTION A
SCALE 1:40
2-1



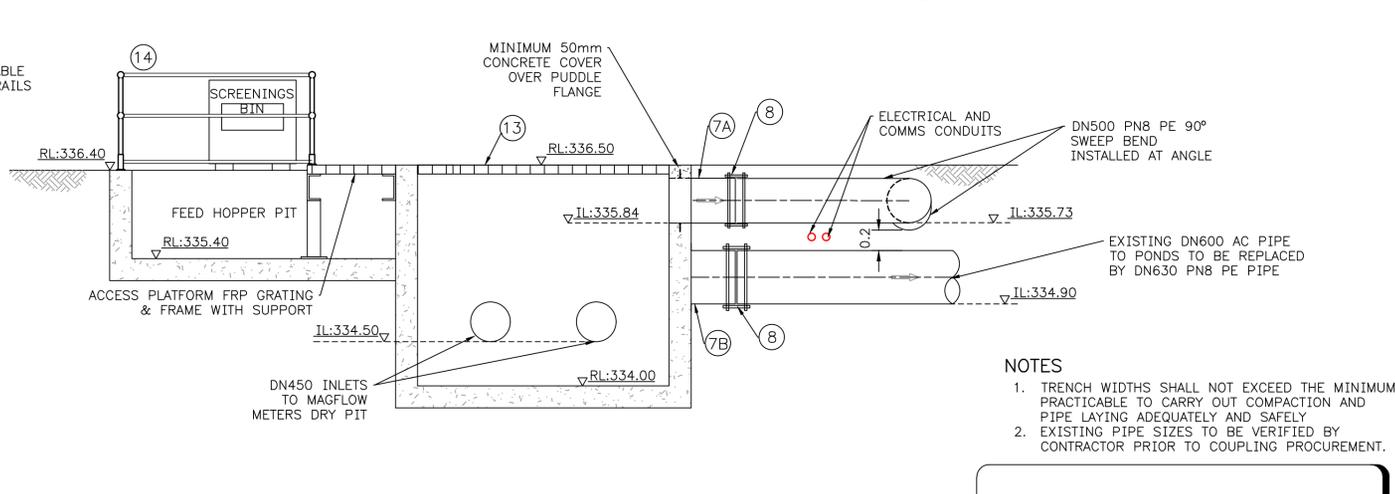
SECTION B
SCALE 1:40
2-1



SECTION D
SCALE 1:40
2-1

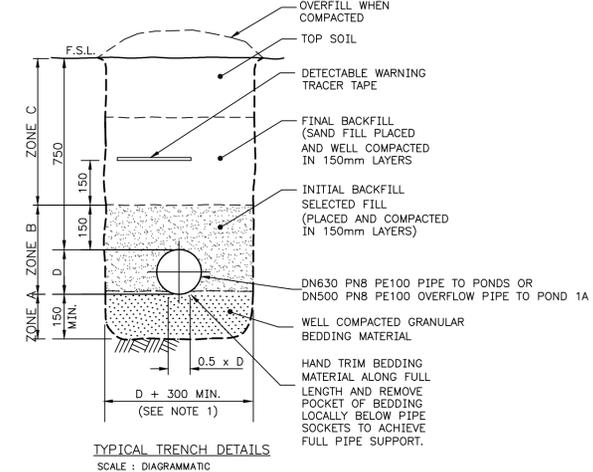


SECTION C
SCALE 1:40
2-1



SECTION E
SCALE 1:40
2-1

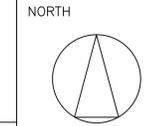
MATERIAL SCHEDULE			
ITEM NO.	QTY	DESCRIPTION	SUPPLIER/ MANUFACTURER
1	2	NOGGERATH CENTRE-FLO BAND SCREEN	AOSEPTENCE (PRINCIPAL SUPPLIED)
2	1	FEED HOPPER INC. DRAINER NECK	AOSEPTENCE (PRINCIPAL SUPPLIED)
3	1	COMMON SCREENINGS LAUNDRY	AOSEPTENCE (PRINCIPAL SUPPLIED)
4	1	STOP BOARD IN CONCRETE RECESS (1030mm x 1000mm)	REFER TO DRAWING 1034-03-08-DWG-015
5	2	316SS GUIDE FRAME INC. DLF DOWNWARD OPENING PENSTOCK (600mm x 600mm)	AWMA OR APPROVED EQUIVALENT
6	4	316SS GUIDE FRAME INC. ULF PENSTOCK (1000mm x 1000mm)	AWMA OR APPROVED EQUIVALENT
7A	1	END PIPE SS316 WITH PUDDLE FLANGE CONNECTIONS DN500 DN600 DN750 DN450 DN450	REFER TO DRAWING 1034-03-08-DWG-014
7B	2		
7C	1		
7D	2		
7E	2		
8	4	RESTRAINED COUPLING SS316 PN16 (REFER TO NOTE 2)	AVK SUPA-GIB STEP/ STRAIGHT COUPLING OR APPROVED EQUIVALENT
9	1	DN250 MAG METER W/REMOTE DISPLAY ON FIELD MOUNTED STAND SIEMENS MAG5100 OR APPROVED EQUIVALENT	SIEMENS OR APPROVED EQUIVALENT
10	2	DN450 MAG METER SIEMENS MAG5100 OR APPROVED EQUIVALENT	SIEMENS OR APPROVED EQUIVALENT
11	4	DN450 KNIFE GATE VALVE	AVK OR APPROVED EQUIVALENT
12A	2	DN450 SS316 FLANGED PIPE SPOOLS	REFER TO DRAWING 1034-03-08-DWG-014
12B	2		
13	VARIOUS	FRP GRATING INC. SUPPORTS, IN ACCORDANCE WITH WATER CORP. STANDARD DS100 & AS 1657.	TREADWILL OR APPROVED EQUIVALENT
14	VARIOUS	FRP VINYL ESTER RESIN GUARDRAILING MOUNTED ON CONCRETE WALLS/KERBS, IN ACCORDANCE WITH AS1657	-



- NOTES**
- TRENCH WIDTHS SHALL NOT EXCEED THE MINIMUM PRACTICABLE TO CARRY OUT COMPACTION AND PIPE LAYING ADEQUATELY AND SAFELY
 - EXISTING PIPE SIZES TO BE VERIFIED BY CONTRACTOR PRIOR TO COUPLING PROCUREMENT.

ISSUED FOR TENDER

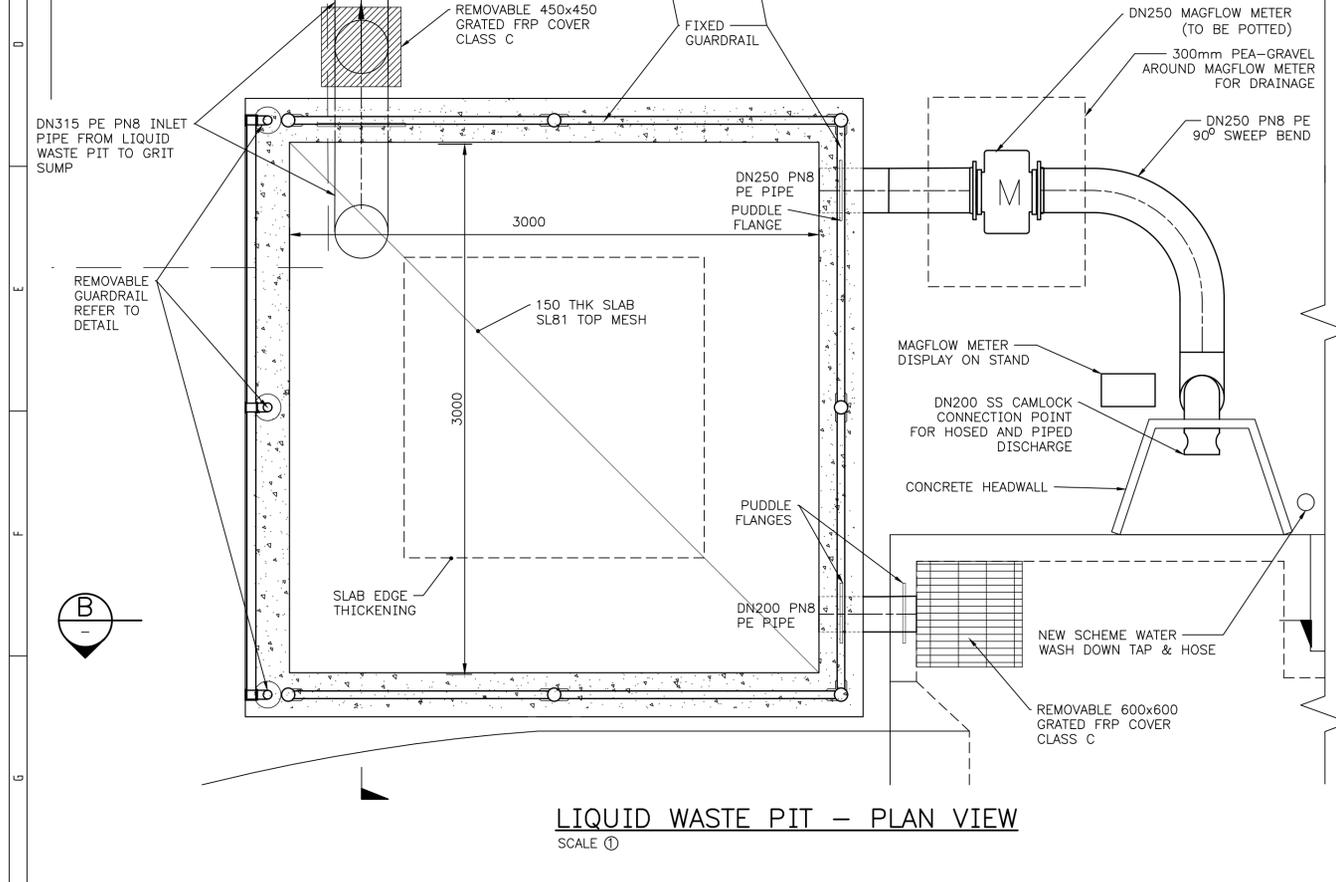
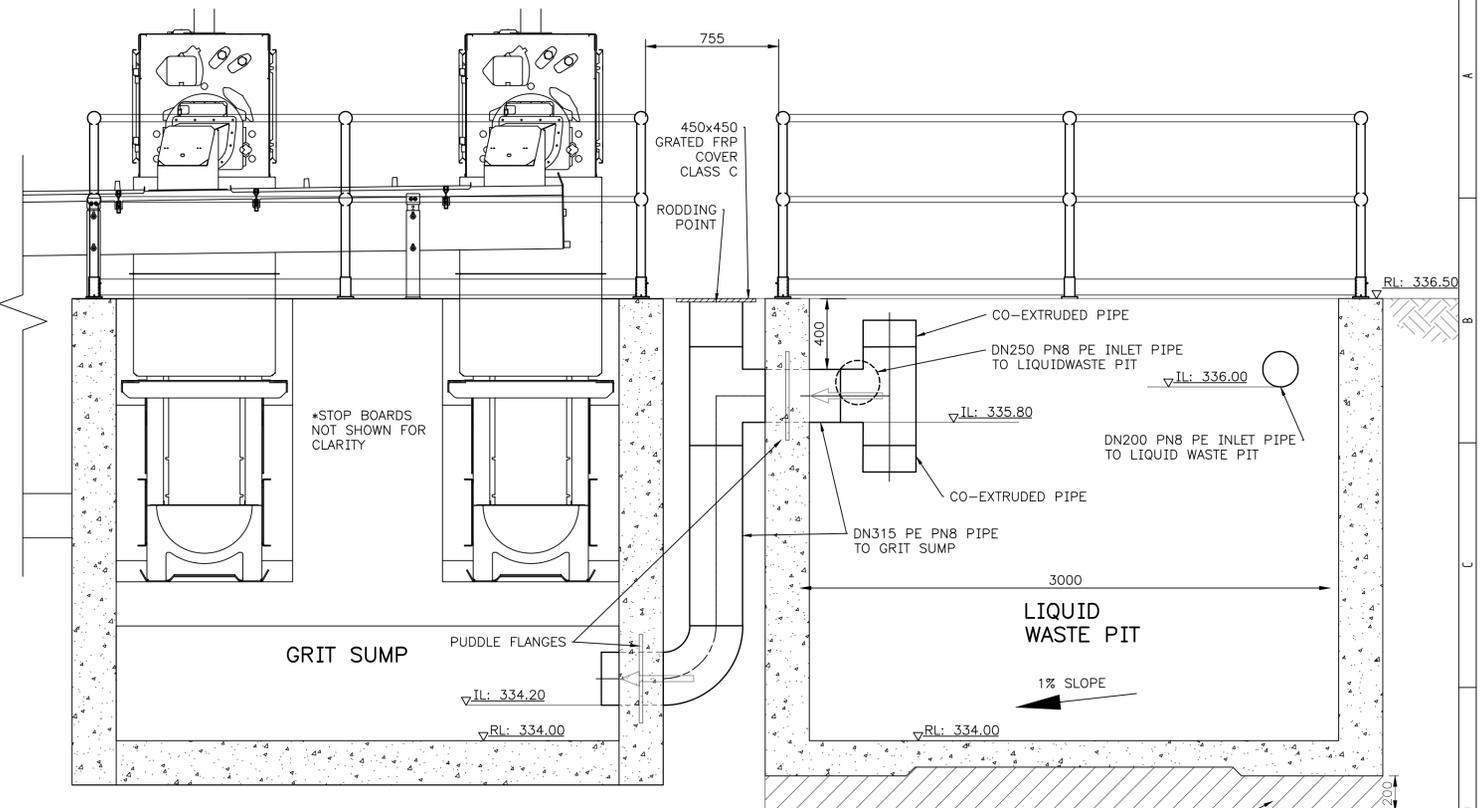
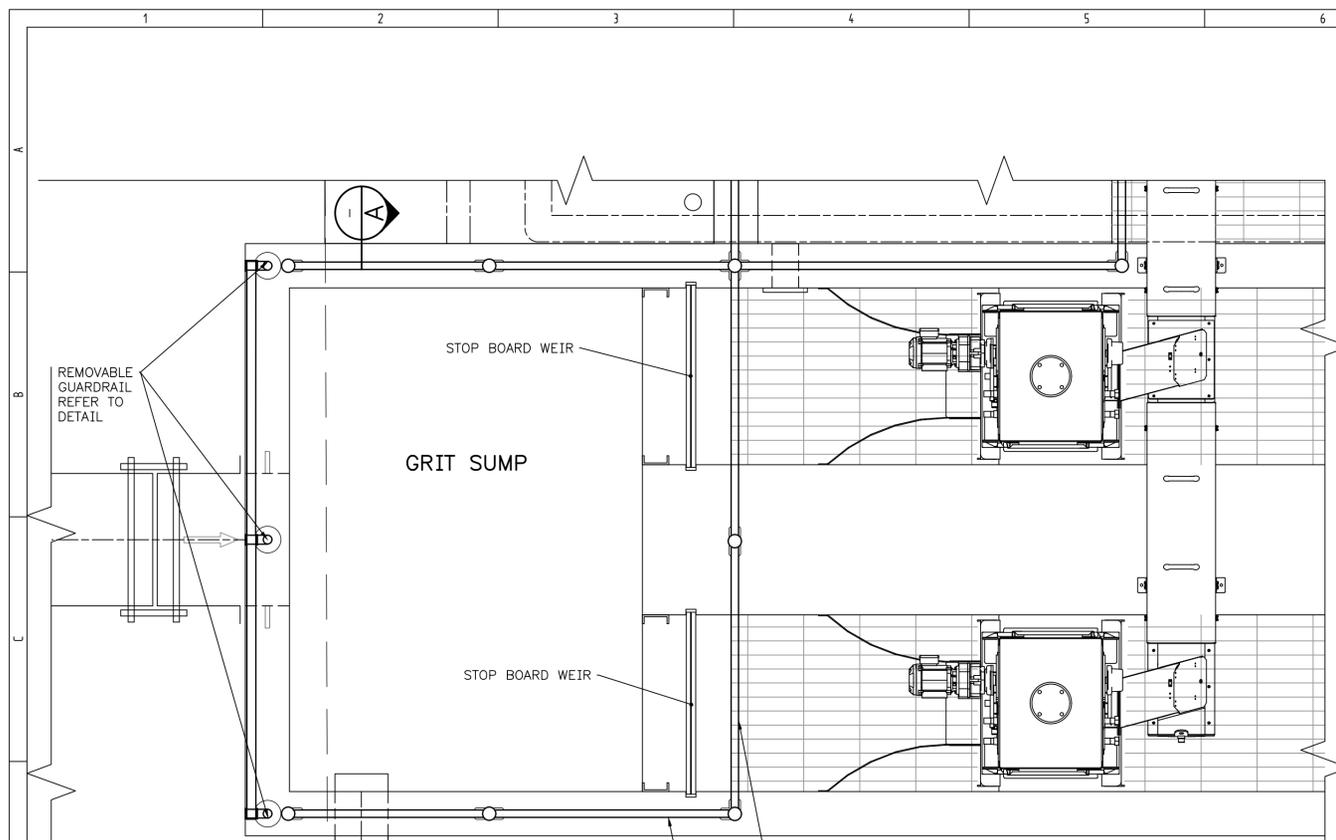
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
2	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB
1	DEC. 2023	ISSUED FOR CLIENT REVIEW	BD	MW	BD	GD	CKB
0	MAR. 2023	ISSUED FOR EQUIPMENT SUPPLY TENDER	RB	PH	PH	GD	CKB
A	FEB. 2023	DRAFT FOR CLIENT REVIEW	RB	PH	PH	GD	CKB



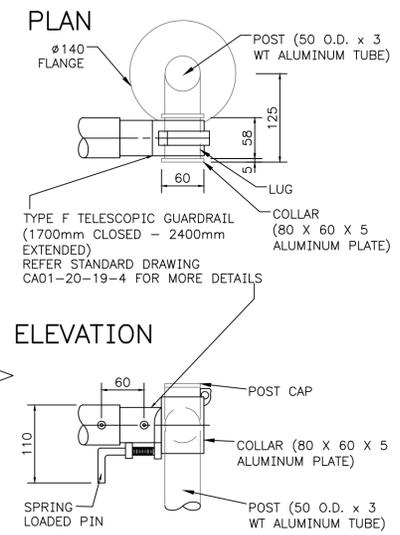
DRAWN:	RB	DATE:	FEB. 2023
CHECKED:	PH	DATE:	FEB. 2023
DESIGNED:	PH	DATE:	FEB. 2023
APPROVED:	GD	DATE:	FEB. 2023
CLIENT:	CKB		

CITY OF KALGOORLIE-Boulder	
SOUTH BOULDER WWTP	
INLET WORKS	
GENERAL ARRANGEMENT SECTIONS	
SCALE:	DRG No
AS NOTED	1034-03-08-DWG-002-2
REV	2

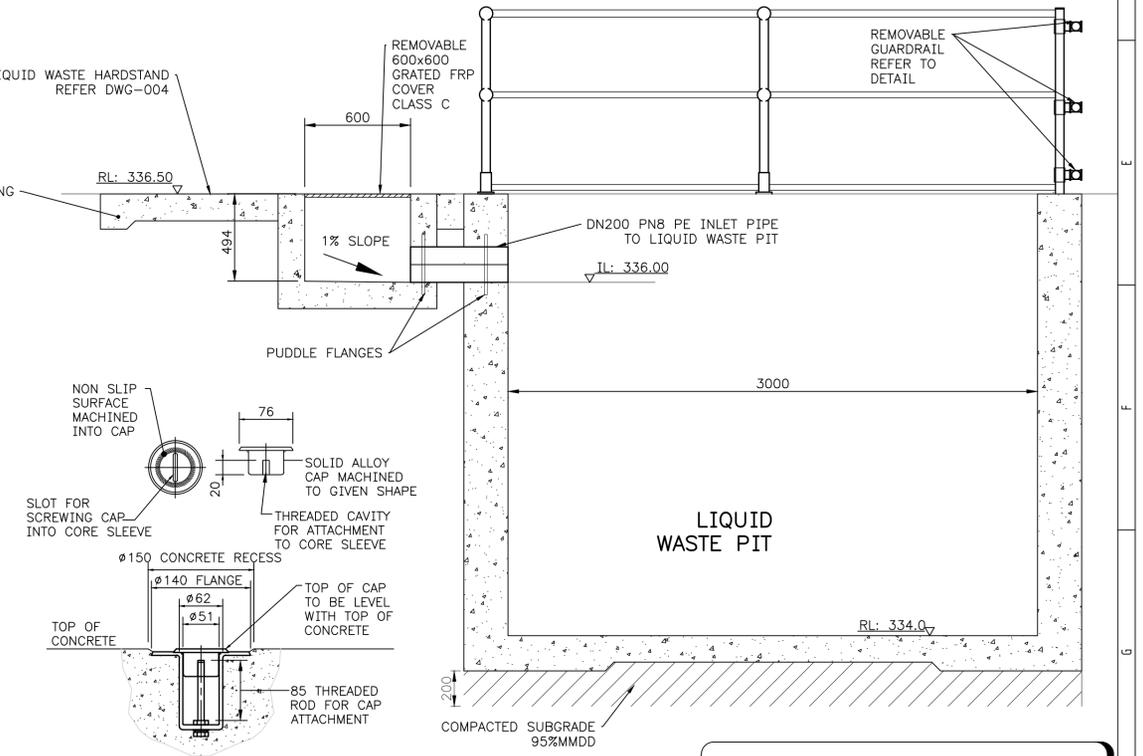
WISE PROJECT NO. 1034-03-08



SECTION A
SCALE ①



REMOVABLE RAIL DETAILS
DERIVED FROM STANDARD
DRAWING CA01-20-19-4
SCALE ②



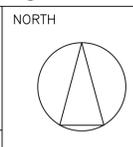
CAST IN KENNEDY POST BASE
& CAP DETAIL FROM STANDARD
DRAWING CA01-9-23-1
SCALE ②

SECTION B
SCALE ①

ISSUED FOR TENDER



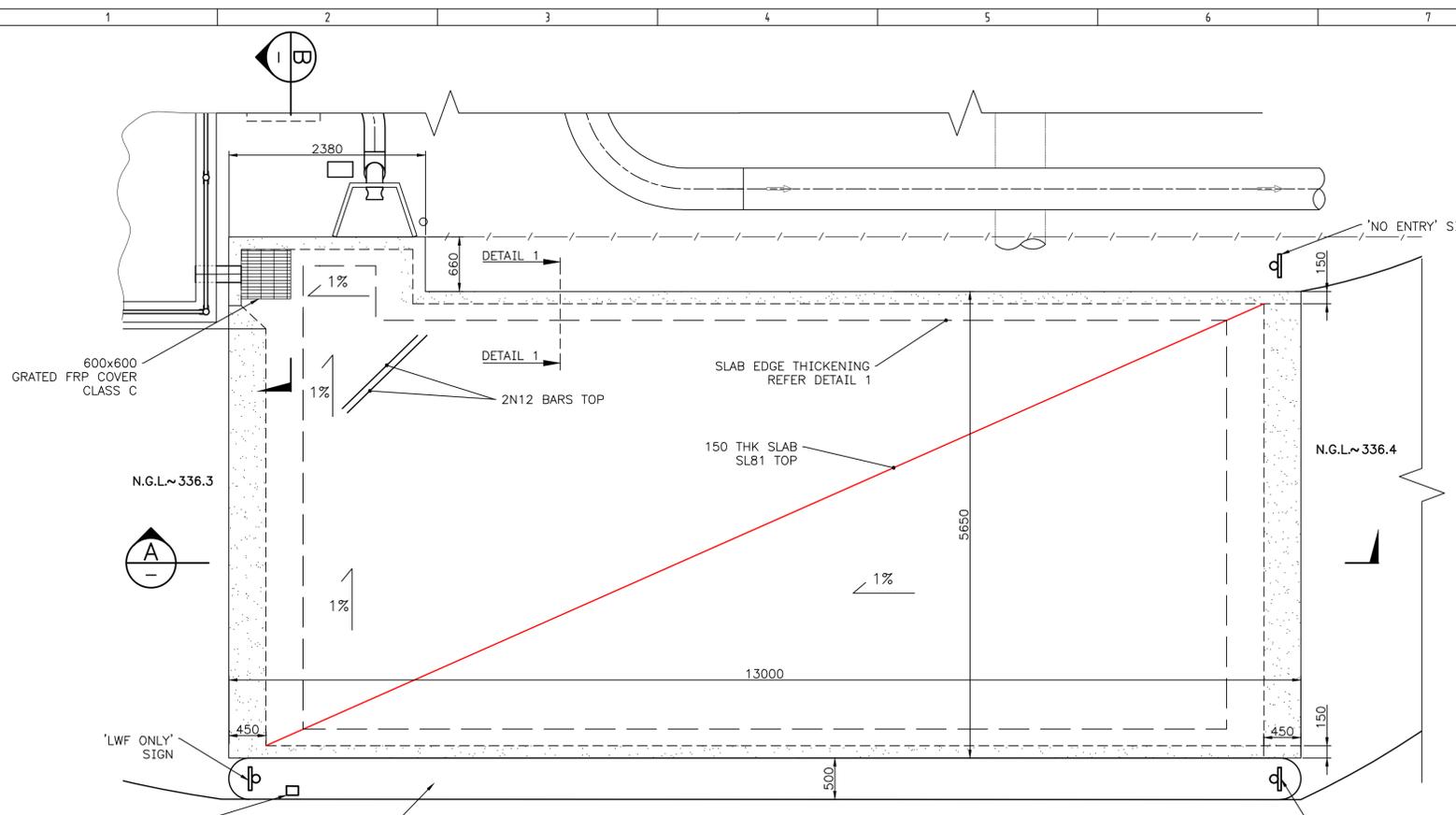
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0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB



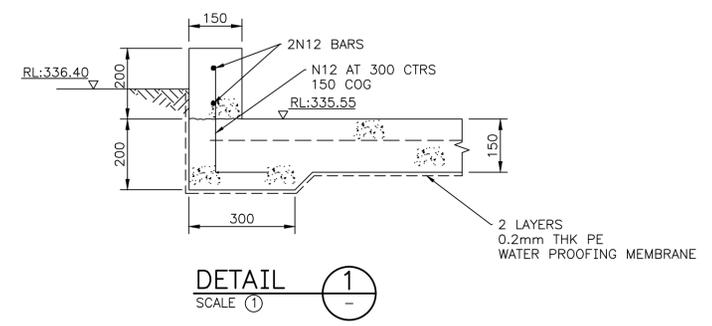
DRAWN:	R. BANAA	DATE:	1/12/2023
CHECKED:	M. WOOD	DATE:	1/12/2023
DESIGNED:	R. BANAA	DATE:	1/12/2023
APPROVED:	G. DECEBRODT	DATE:	1/12/2023
CLIENT:		DATE:	

CITY OF KALGOORLIE-BOULDER	
SOUTH BOULDER WWTP	
INLET WORKS	
LIQUID WASTE PIT	
SCALE:	DRG No
AS NOTED	1034-03-08-DWG-003
REV	0

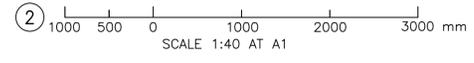
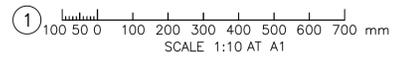
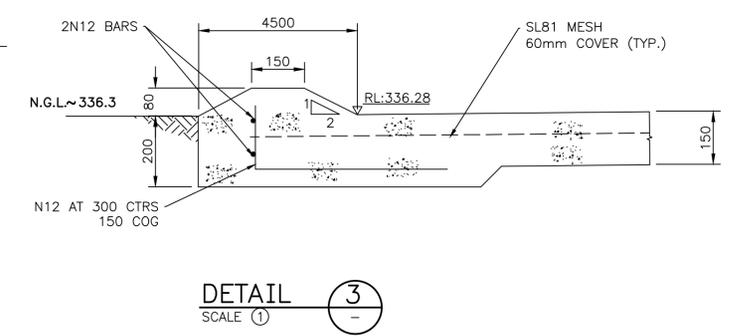
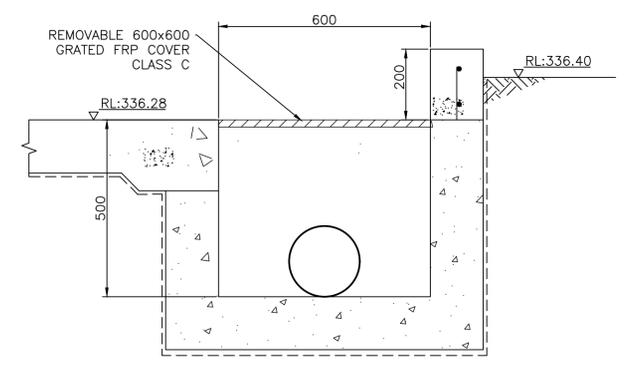
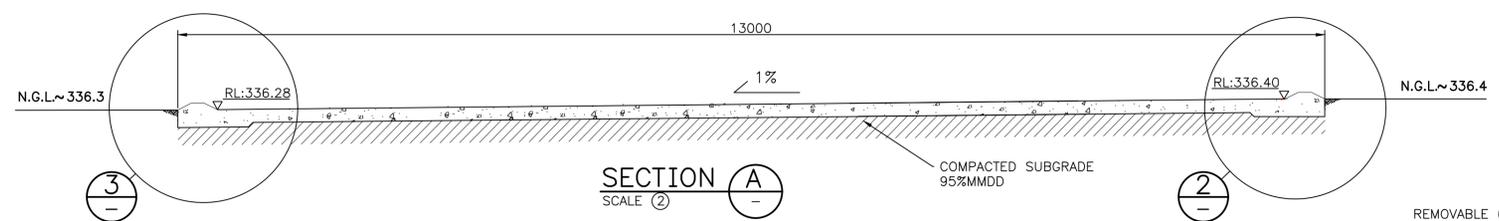
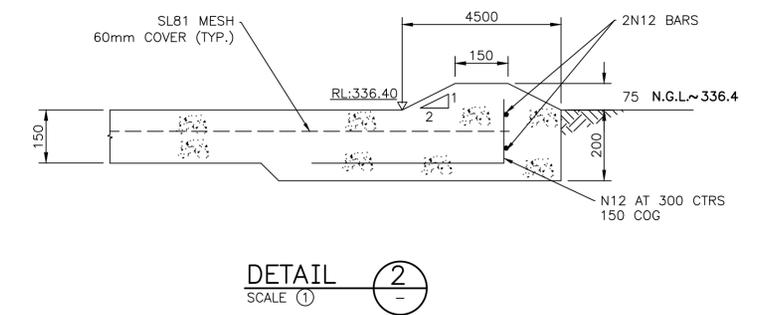
WISE PROJECT NO. 1034-03-08



LIQUID WASTE HARDSTAND – PLAN VIEW
SCALE ②



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS U.O.N.
 2. COMPACT BASE TO 95%MMDD.

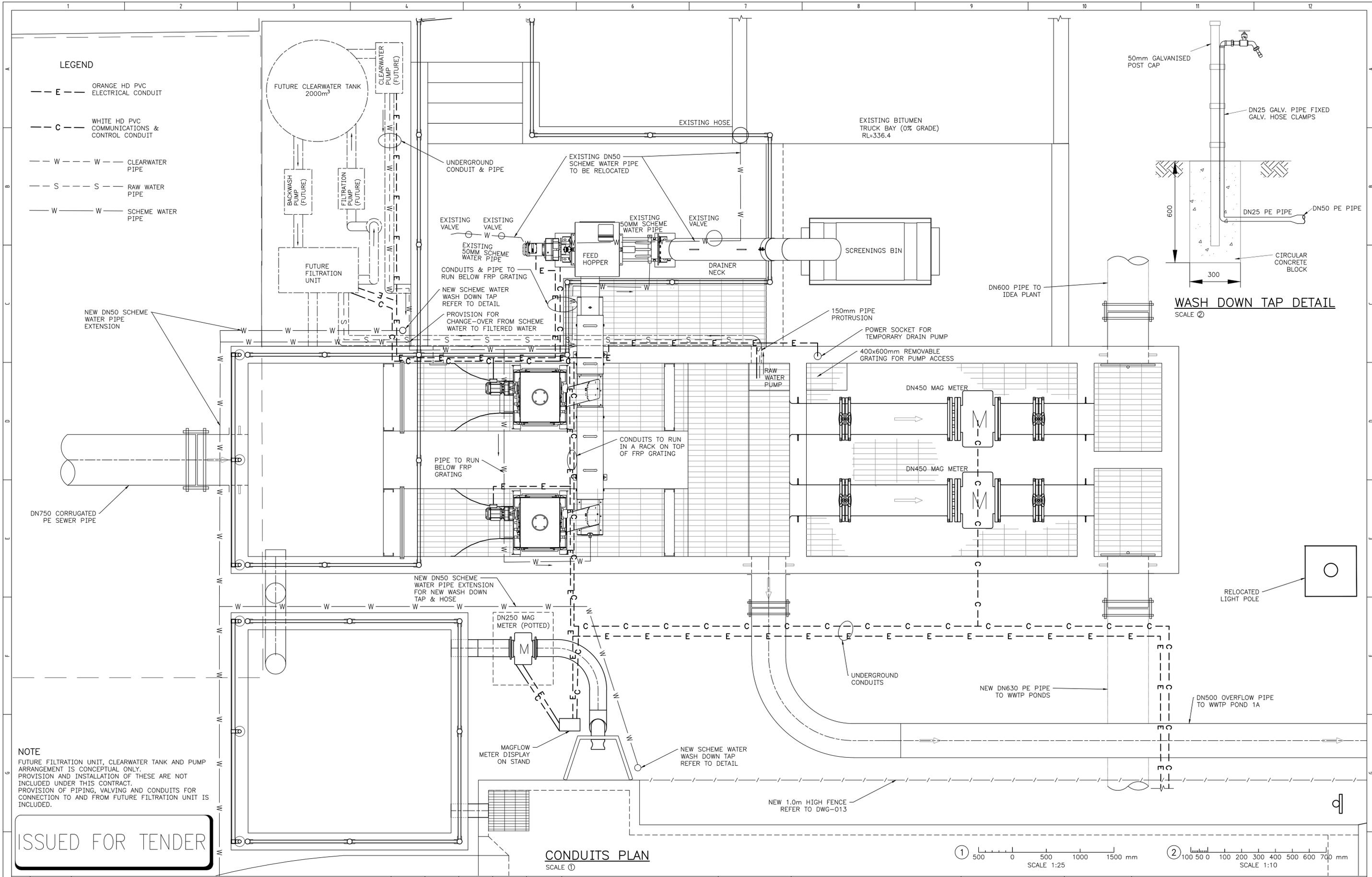


ISSUED FOR TENDER

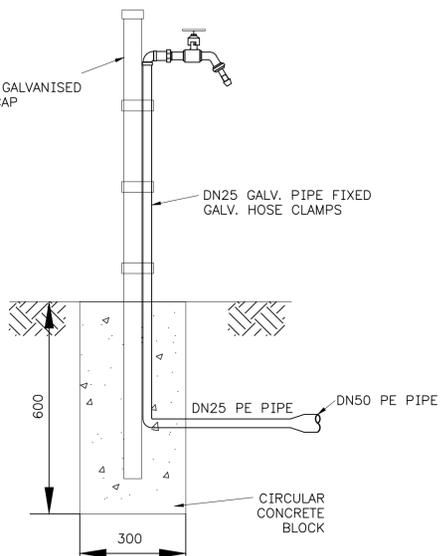
								DRAWN: R. BANAA		DATE: 1/12/2023		CITY OF KALGOORLIE–BOULDER SOUTH BOULDER WWTP INLET WORKS LIQUID WASTE HARDSTAND SCALE: AS NOTED DRG No 1034-03-08-DWG-004 REV 0	
								CHECKED: M. WOOD		DATE: 1/12/2023			
			DESIGNED: R. BANAA		DATE: 1/12/2023								
			APPROVED: G. DEGEBRODT		DATE: 1/12/2023								
			CLIENT:		DATE:								
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB	WISE PROJECT NO. 1034-03-08					
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT						

LEGEND

- E** --- ORANGE HD PVC ELECTRICAL CONDUIT
- C** --- WHITE HD PVC COMMUNICATIONS & CONTROL CONDUIT
- W** --- W --- CLEARWATER PIPE
- S** --- S --- RAW WATER PIPE
- W** --- W --- SCHEME WATER PIPE



WASH DOWN TAP DETAIL
SCALE ②



NOTE
FUTURE FILTRATION UNIT, CLEARWATER TANK AND PUMP ARRANGEMENT IS CONCEPTUAL ONLY. PROVISION AND INSTALLATION OF THESE ARE NOT INCLUDED UNDER THIS CONTRACT. PROVISION OF PIPING, VALVING AND CONDUITS FOR CONNECTION TO AND FROM FUTURE FILTRATION UNIT IS INCLUDED.

ISSUED FOR TENDER

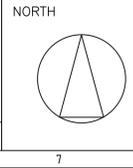
CONDUITS PLAN
SCALE ①



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB

WISE
WATER INFRASTRUCTURE
SCIENCE ENGINEERING

WISE PROJECT NO. 1034-03-08



CLIENT

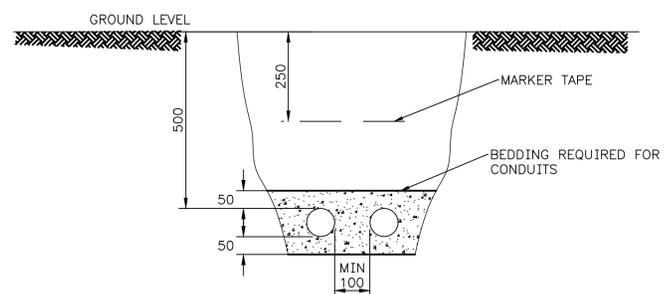
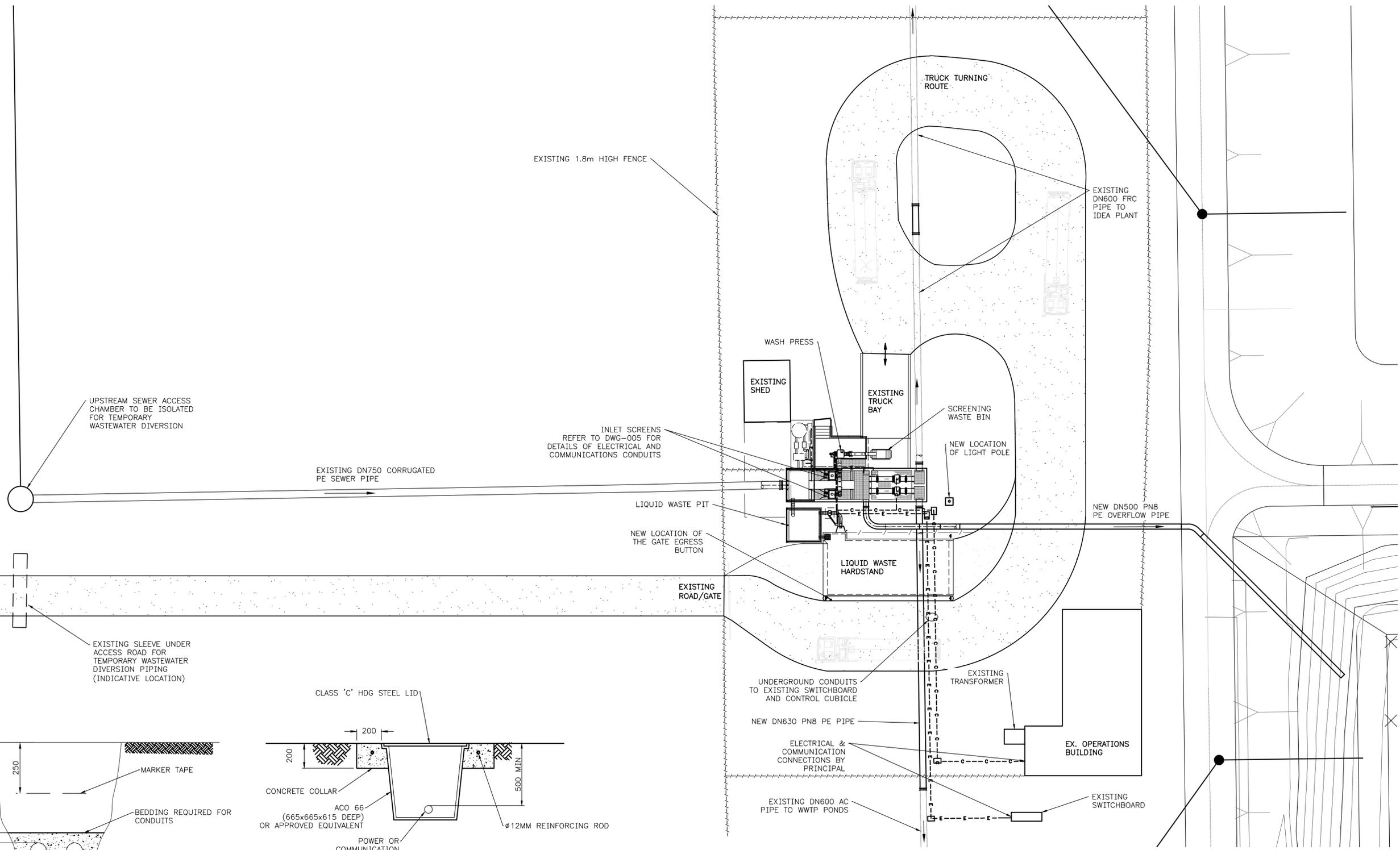
City of Kalgoorlie Boulder

DRAWN: BD	DATE: DEC. 2023
CHECKED: MW	DATE: DEC. 2023
DESIGNED: BD	DATE: DEC. 2023
APPROVED: GD	DATE: DEC. 2023
CLIENT: CKB	

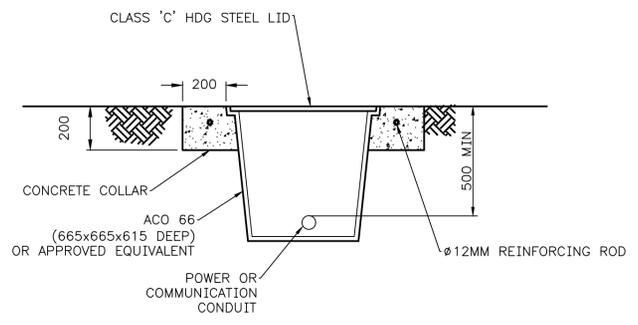
CITY OF KALGOORLIE-Boulder	
SOUTH BOULDER WWTP	
INLET WORKS	
CONDUITS PLAN	
SCALE: AS NOTED	DRG No 1034-03-08-DWG-005
REV 0	

LEGEND

- ORANGE HD PVC ELECTRICAL CONDUIT
- WHITE HD PVC COMMUNICATIONS & CONTROL CONDUIT



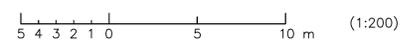
ELECTRICAL AND COMMUNICATION CABLE TRENCH DETAIL
N.T.S. (DIMENSIONS ARE IN MILLIMETRES)



CABLE PIT DETAIL
N.T.S. (DIMENSIONS ARE IN MILLIMETRES)

INLET WORKS ELECTRICAL & COMMUNICATIONS LAYOUT
SCALE 1:200

ISSUED FOR TENDER



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB



DRAWN: BD	DATE: JAN. 2024
CHECKED: MW	DATE: JAN. 2024
DESIGNED: BD	DATE: JAN. 2024
APPROVED: GD	DATE: JAN. 2024
CLIENT: CITY OF KALGOORLIE	

CITY OF KALGOORLIE-Boulder		
SOUTH BOULDER WWTP		
INLET WORKS		
ELECTRICAL & COMMUNICATIONS LAYOUT		
SCALE: AS NOTED	DRG No: 1034-03-08-DWG-006	REV: 0

GENERAL

- CHECK ALL DIMENSIONS AT SITE.
- DO NOT SCALE FROM DRAWINGS.
- ALL LEVELS AND LOCAL DATUM ARE EXPRESSED IN METERS. ALL DIMENSIONS IN MILLIMETERS UNO.
- READ ALL ENGINEERING DRAWINGS IN CONJUNCTION WITH OTHER CONSULTANT'S DRAWINGS. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION.
- ALL WORKS TO COMPLY WITH THE NATIONAL CONSTRUCTION CODE (NCC) AND THE LATEST AUSTRALIAN STANDARDS AND AMENDMENTS.
- THE ENGINEER HAS NOT DESIGNED AND IS NOT RESPONSIBLE FOR STRUCTURAL ELEMENTS OTHER THAN THOSE SHOWN ON THE ENGINEERING DRAWINGS.
- OBTAIN ENGINEERS APPROVAL FOR ALL AMENDMENTS AND SUBSTITUTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING EXISTING STRUCTURES IN A STABLE CONDITION AND ENSURE NO PART IS OVER STRESSED DURING CONSTRUCTION.
- ALL DETAILS TO BE CHECKED AND SITE MEASURED, AS PROVIDED, PRIOR TO ORDERING. CHECK ANY DISCREPANCIES WITH THE SUPERINTENDENT'S REPRESENTATIVE.
- THE CONTRACTOR SHALL ENSURE THAT THE METHODS OF CONSTRUCTION MEET ALL THE REQUIREMENTS OF WORKSAFE. IN PARTICULAR THE USE OF THE FALL ARREST SYSTEMS AND THE USE OF TEMPORARY PROPPING TO SUPPORT STRUCTURAL ELEMENTS DURING CONSTRUCTION.

DESIGN CRITERIA

- RELEVANT AUSTRALIAN STANDARDS/REFERENCES
 - a) AS1170.0, AS1170.1, AS1170.2, AS1170.4 - LOADING CODES
 - b) AS 1379 - SPECIFICATION & SUPPLY OF CONCRETE
 - c) AS 1554 PART 1 - WELDING
 - d) AS 1657 - FIXED PLATFORM, WALKWAY, STAIRWAYS & LADDERS.
 - e) AS 3600 - CONCRETE
 - f) AS 3735 - CONCRETE STRUCTURES FOR RETAINING LIQUIDS.
 - g) AS 4100 - STEEL CODE
 - h) CONCRETE INSTITUTE OF AUSTRALIA - PRECAST CONCRETE HANDBOOK
- FOUNDATIONS
 - GEOTECHNICAL REPORT - NOT AVAILABLE, TBC
- GROUNDWATER - NOT PRESENT, TBC
- ALLOWABLE BEARING CAPACITY
 - a) CHANNEL BASE - 100 kPa (ASSUMED)
- DESIGN LIFE - 50 YEARS
- EXPOSURE CLASS
 - a) CHANNEL INSIDE FACES - CLASS B2
 - b) CHANNEL EXTERNAL FACES - CLASS B1

FOUNDATIONS

- REMOVE ALL TOPSOIL, VEGETATION AND DELETERIOUS FILL MATERIAL FROM THE ENTIRE SITE.
- ALL SOFT SPOTS AT FOUNDATION LEVEL SHALL BE REMOVED DOWN TO LEVEL OF SUITABLE STRENGTH.
- THE CONTRACTOR SHALL ENGAGE AN EXPERIENCED GEOTECHNICAL ENGINEER TO INSPECT THE SITE AND CONFIRM THAT ALL DELETERIOUS MATERIAL HAS BEEN REMOVED.
- FOLLOWING REMOVAL OF ABOVE MATERIAL AND DETAIL EXCAVATION FOR FOUNDATIONS, COMPACT SUBGRADE TO ACHIEVE A MINIMUM DENSITY OF 95% MMD TO A MINIMUM DEPTH OF 0.6m BELOW THE FOUNDATION LEVEL.
- COMPACTION TESTING SHALL BE UNDERTAKEN BY USING A PERTH SAND PENETROMETER IN ACCORDANCE WITH TEST METHOD AS 1289.6.3.3. THE TARGET BLOW COUNT PER 300mm ROD PENETRATION SHALL BE ESTABLISHED FOR THIS SITE THROUGH CALIBRATION BY A NATA ACCREDITED LABORATORY. THE CALIBRATION RESULTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO STARTING EXCAVATION. ALTERNATIVELY NUCLEAR DENSITY GAUGES OR DCP/SPT CAN BE USED FOR TESTING.
- BACKFILLING AGAINST WALL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

CONCRETE

- ALL CONCRETE TO COMPLY WITH AS 3600.
- ALL CONCRETE SHALL BE PRODUCED AND SUPPLIED IN ACCORDANCE WITH AS1379

CONCRETE MIX:

LOCATION	CONCRETE GRADE	COVER TO REINFORCEMENT		MIN. CONTINUOUS CURING PERIOD	TYPE OF CEMENT
		NOMINAL (-5,+10)	MINIMUM		
PRECAST CHANNEL INTERNAL FACE (WALLS/SLAB)	N40/20/80	55	50	7 DAYS	GP
PRECAST CHANNEL EXTERNAL FACE (WALLS/SLAB)	N40/20/80	45	40	7 DAYS	GP
INSITU STRUCTURE INTERNAL FACE (WALLS/SLAB)	N40/20/80	55	50	7 DAYS	GP
INSITU STRUCTURE EXTERNAL FACE (WALLS/SLAB)	N40/20/80	45	40	7 DAYS	GP
BLINDING	N15/20/80	NA	NA	NA	GP

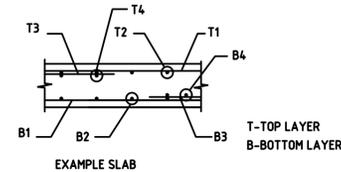
3. ADMIXTURES MAY BE USED IF APPROVED BY THE ENGINEER. NEVER ADD WATER TO CONCRETE ON SITE.

- COMPACT CONCRETE USING APPROVED IMMERSION TYPE VIBRATORS.
- ALL CONCRETE SHALL BE CURED BY APPROVED METHODS. CURE CONCRETE BY KEEPING ALL CONCRETE MOIST FOR THE SPECIFIED PERIOD AFTER POURING. ALL SLABS SHALL BE CURED BY PONDING WITH 20mm OF WATER. WALLS AND COLUMNS SHALL BE WET CURED OR IF CURING COMPOUNDS ARE PROPOSED, IT SHALL MEET THE REQUIREMENTS OF AS 3799. HAVE A WATER RETENTION EFFICIENCY INDEX OF NOT LESS THAN 90% AND BE MAINTAINED INTACT FOR THE CURING PERIOD. THE PROPOSED PRODUCT SHALL BE COMPATIBLE WITH THE SPECIFIED SURFACE FINISHES. DETAILS OF CURING COMPOUND SHALL BE SUBMITTED TO THE SUPERINTENDENT'S REPRESENTATIVE FOR APPROVAL.
- NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE CONCRETE DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE SUPERINTENDENT'S REPRESENTATIVE.
- EXPOSED FORMED CONCRETE SURFACES SHALL HAVE A CLASS 2 FINISH. FORMED CONCRETE SURFACES TO RECEIVE A SURFACE FINISH SHALL HAVE A CLASS 3 FINISH. BURIED CONCRETE SURFACES SHALL HAVE A CLASS 5 FINISH OR BETTER. SURFACE FINISH SHALL BE ASSESSED AFTER CURING PERIOD IN ACCORDANCE WITH AS3610.
- EXPOSED HORIZONTAL SURFACES SHALL HAVE A STEEL TROWEL FINISH.
- ALL FORMWORK SHALL BE IN ACCORDANCE WITH AS3610, RIGIDLY CONSTRUCTED OF APPROVED MATERIALS. FORMWORK AND SUPPORTS SHALL BE DESIGNED TO WITHSTAND ALL POSSIBLE LOAD COMBINATIONS DURING CONSTRUCTION.
- UNLESS OTHERWISE SHOWN, CONSTRUCTION JOINTS IN CONCRETE SHALL ONLY BE MADE WITH THE APPROVAL OF THE SUPERINTENDENT'S REPRESENTATIVE.
- ALL COMPONENTS CAST INTO CONCRETE TO BE HOT DIP GALVANISED AND PASSIVATED IN A 0.2% SODIUM DICHROMATE SOLUTION OR EQUIVALENT.
- ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 20mm x 20mm CHAMFER U.M.O.
- ALL CONCRETE SHALL BE TESTED IN ACCORDANCE WITH AS1379 SECTION 5.
- CONCRETE SHALL BE POURED USING CONCRETE PUMPS OR CHUTES. TO AVOID SEGREGATION, THE MAXIMUM FREE FALL OF CONCRETE DURING PLACING SHALL NOT EXCEED 2.0 METRES. BEYOND THIS, SUITABLE CHUTES OR TREMIES SHALL BE USED.
- ALL CONSTRUCTION TOLERANCES SHALL BE IN ACCORDANCE WITH AS3600.
- 100mm THICK CONCRETE BLINDING SHALL BE USED UNDER THE PRECAST CHANNEL SLAB AND 50mm THICK CONCRETE BLINDING UNDER INSITU CHANNEL SLAB
- A WATERPROOF MEMBRANE (0.2 mm THICK FORTECON OR SIMILAR APPROVED) SHALL BE PLACED UNDER ALL INSITU SLABS POURED ON GROUND. ALL JOINTS TO BE TAPED.
- PROVIDE SIKASWELL/PARCHEM HYDROTITE HYDROPHILIC WATERSTOP PLACED CENTRALLY FOR ALL EXTERNAL WALL CONSTRUCTION JOINTS WITH THE BASE SLAB.

REINFORCING

- ALL REINFORCING SHALL BE NEW AND FABRICATED AND SUPPLIED BY AN ACRS ACCREDITED SUPPLIER.
- REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - R - INDICATES PLAIN REINFORCEMENT BAR R250N TO AS/NZS 4671.
 - L - PLAIN OR DEFORMED WIRE R500L OR D500L TO AS/NZS 4671.
 - RL - DEFORMED RECTANGULAR MESH D500RL TO AS/NZS 4671.
 - SL - DEFORMED SQUARE MESH D500L TO AS/NZS 4671.
 - N - DEFORMED BARS D500N TO AS/NZS 4671.
 - S - DEFORMED BARS D250N TO AS/NZS 4671.
 - TM - TRENCH MESH D500L TO AS/NZS 4671.
- REINFORCEMENT SHALL BE PLACED WITH ACCURATE COVER AS SPECIFIED. ALL REINFORCEMENT SHOULD BE INSPECTED AND APPROVED BY THE SUPERINTENDENT BEFORE COMMENCEMENT OF THE POUR.
- SPLICING IN REINFORCEMENT SHALL BE PROVIDED IN THOSE POSITIONS SHOWN ON THE DRAWINGS. MINIMUM LAP LENGTHS SHALL BE EQUAL TO 40x THE DIAMETER OF THE SMALLER BAR BEING LAPPED UNO ON THE DRAWINGS. LAPS IN WELDED MESH PANELS SHALL BE 1.5 x THE SPACING OF THE BARS RUNNING PARALLEL TO THE LAP.
- REINFORCEMENT REFERENCE CODE AS FOLLOWS

EXPLANATION OF NOTATION FOR REINFORCEMENT:



- OTHER REINFORCING ABBREVIATIONS
 - EW - EACH WAY
 - EF - EACH FACE
 - 'U' - U-SHAPED BAR
 - 'L' - L-SHAPED BAR
 - 'Z' - Z-SHAPED BAR
 - LIG - SHEAR LIGATURE
 - RE - RE-ENTRANT BAR - 1N16-1200 LONG DIAGONAL ACROSS CORNER
 - COG - STANDARD 90° BEND UNLESS LENGTH GIVEN
 - HOOK - STANDARD 180° HOOK
- THE CONTRACTOR TO ENSURE THAT THE PEAK TEMPERATURE OF CONCRETE SHALL NOT EXCEED 70°C AT ANY POINT DURING CONSTRUCTION.

CIVIL WORKS

- THE CONTRACTOR SHALL SET OUT THE WORKS FROM THE NOMINATED DESIGN LINES, SURVEY BENCHMARKS AND CONTROL POINTS SHOWN ON THE PLANS AND TO THE SPECIFIED DETAILS.
- GEOTECHNICAL REPORT
 - THE EXISTING SITE SOIL CONDITIONS AND RECOMMENDATION FOR THE DESIGN SITE PREPARATION AND CONSTRUCTION OF THE NEW WORK TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
- REINSTATEMENT
 - a) POST CONSTRUCTION REINSTATEMENT SHALL BE IN ACCORDANCE WITH THE CLIENT'S SPECIFICATIONS.

FRP WORKS

- PLATFORMS, HANDRAILS AND KICKPLATES ARE TO COMPLY WITH AS 1657.
- THE NOMINATED FRP GRATING AND SECTIONS ARE BASED ON TREADWELL OR SIMILAR APPROVED. CONTRACTOR TO VERIFY THE FRP MEMBER DESIGN AND DETAIL WITH THE MANUFACTURER.
- PLATFORM GRATING TO BE TREADWELL GRATEX SQUARE MESH FRP GRATING REF GTX-383838SS WITH ANTI-SLIP FINISH OR APPROVED EQUIVALENT.
- THE ACCESS PLATFORM STRUCTURE SHALL BE CONSTRUCTED FROM VINYL ESTER RESIN FRP SECTIONS TO THE MANUFACTURER'S SPECIFICATIONS. ALL FIXINGS ARE TO BE 316 STAINLESS STEEL (GRADE 316).
- GUARDRAILS AND KICKPLATES ARE TO BE FRP VINYL ESTER RESIN TYPE AS PER MANUFACTURER'S SPECIFICATION AND TO BE COLOURED YELLOW (TBC).
- ANY DISSIMILAR METALS ARE TO BE PROTECTED AGAINST CORROSION AND AND APPROVED BY THE ENGINEER.
- THE TOP OF GRATING AND TOP OF WALL TO BE THE SAME.
- FRP GRATING FIXINGS SHALL BE CONFIGURED SO AS TO PROVIDE AT LEAST:
 - a) ONE FIXING AT EACH CORNER NO FARTHER THAN 200mm FROM THE CORNER.
 - b) FOUR FIXINGS PER SQUARE METRE OF PANEL FOR PANEL SPANS EQUAL TO OR GREATER THAN ONE METRE.
 - c) SIX FIXINGS PER SQUARE METRE FOR PANEL LESS THAN ONE METRE
 - d) FIXINGS SPACED NO FARTHER APART THAN 600 mm.

ANCHORS

- MECHANICAL ANCHORS TO BE HILTI HSL-G-R (STAINLESS STEEL) UNO. COMPLY WITH THE FOLLOWING:

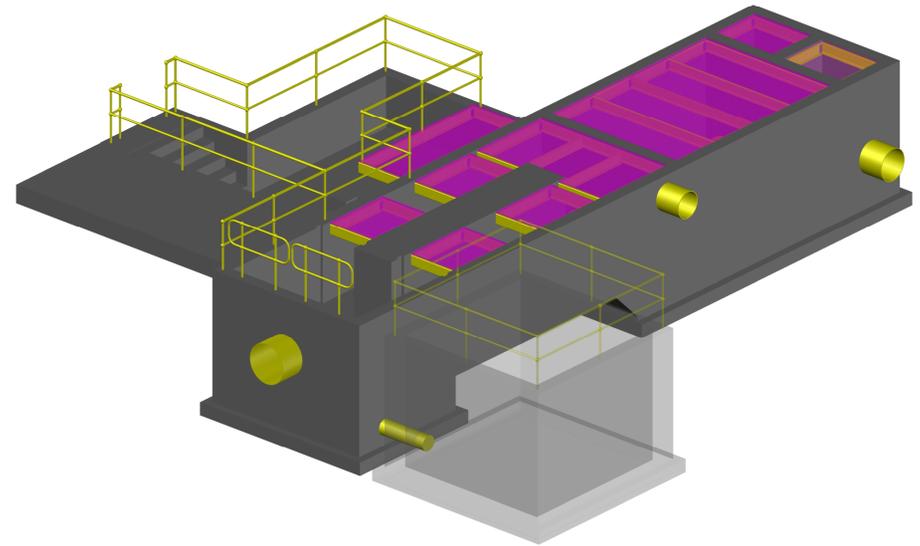
SIZE (mm)	MIN. EMBEDMENT (mm)	MIN. SPACING (mm)	MIN. EDGE DISTANCE (mm)
M16	125	300	150
M20	155	375	180

- CHEMICAL ANCHORS TO BE HILTI HIT-HY200-R WITH GR 8.8 THREADED ROD (HDGI) UNO. COMPLY WITH THE FOLLOWING OR EQUAL APPROVED.

SIZE (mm)	MIN. EMBEDMENT (mm)	MIN. SPACING (mm)	MIN. EDGE DISTANCE (mm)	MIN. BASE MATERIAL THICKNESS (mm)
M12	110	210	100	140
M16	125	240	125	160
M20	170	270	150	250

ABBREVIATIONS

- | | | |
|----------------------------------|------------------------------|------------------------------|
| CJ - CONSTRUCTION JOINT | FFL - FINISHED FLOOR LEVEL | RL - REDUCED LEVEL |
| DCJ - DOWELLED CONTRACTION JOINT | FGL - FINISHED GROUND LEVEL | SSL - STRUCTURAL SLAB LEVEL |
| DEJ - DOWELLED EXPANSION JOINT | FSL - FINISHED SURFACE LEVEL | TOC - TOP OF CONCRETE |
| DIMN - DIMENSION | HD - HOLDING DOWN | TOS - TOP OF STEEL |
| DPM - DAMP PROOF MEMBRANE | HDG - HOT DIP GALVANISED | TWL - TOP OF WATER LEVEL |
| DRG - DRAWING | ID - INSIDE DIAMETER | TYP - TYPICAL |
| EOT - END OF TRIP | IJ - ISOLATION JOINT | UNO - UNLESS NOTED OTHERWISE |
| GL - GROUND LEVEL | IL - INVERT LEVEL | U/S - UNDERSIDE |
| | MS - MILD STEEL | WP - WORK POINT |
| | OD - OUTSIDE DIAMETER | WPM - WATERPROOF MEMBRANE |



ISOMETRIC VIEW
NTS



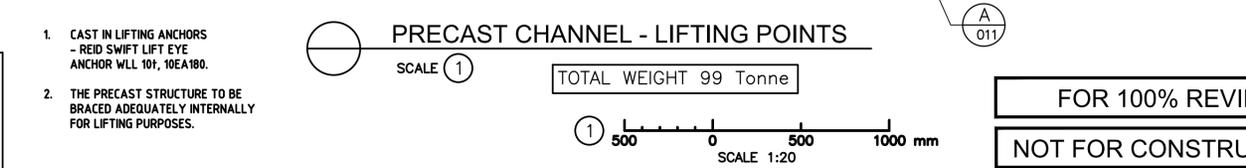
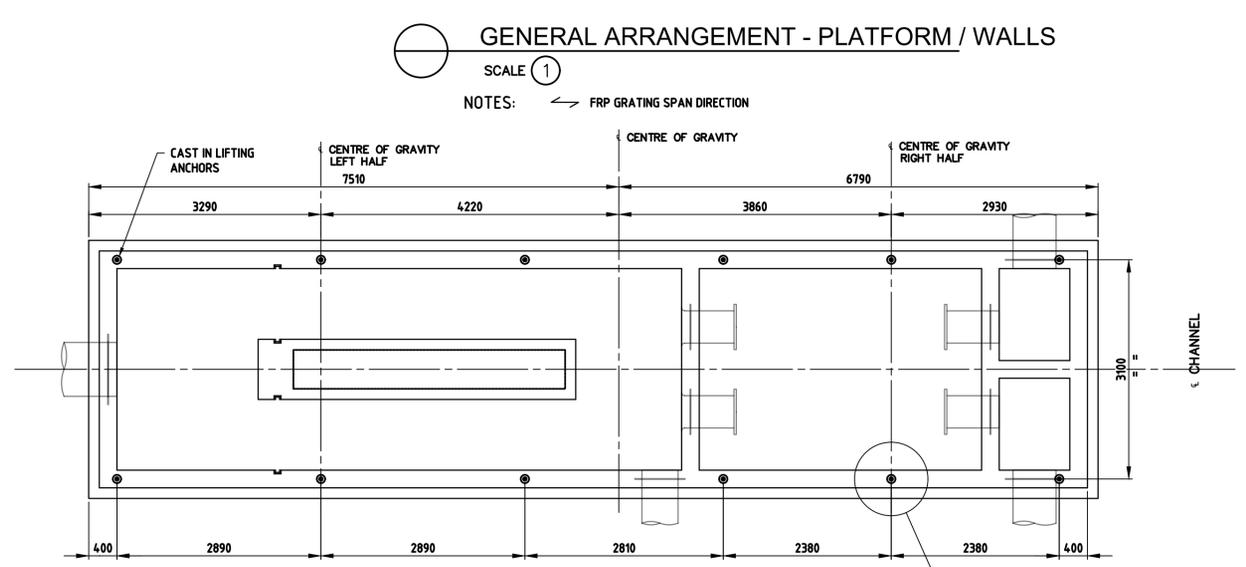
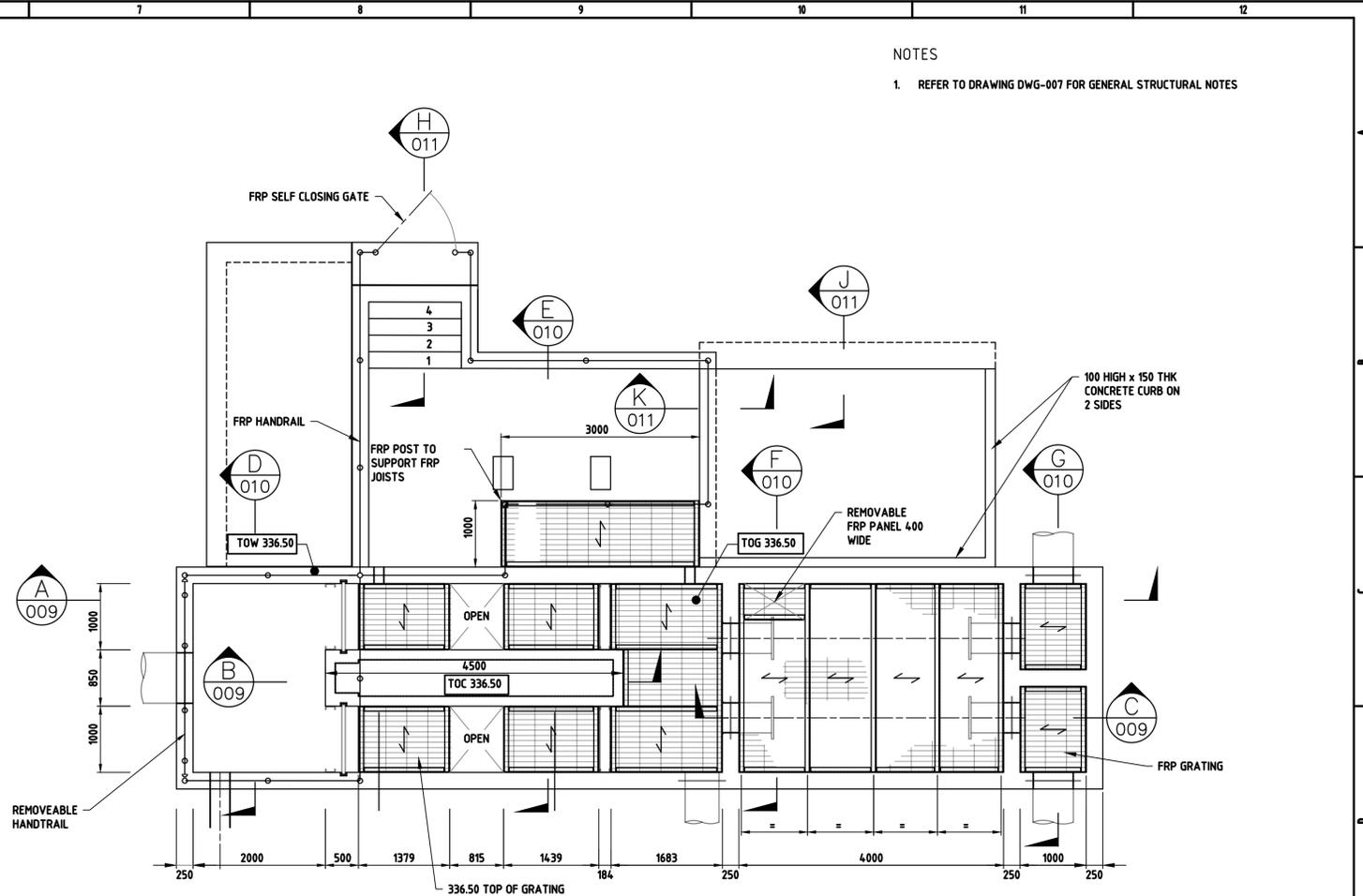
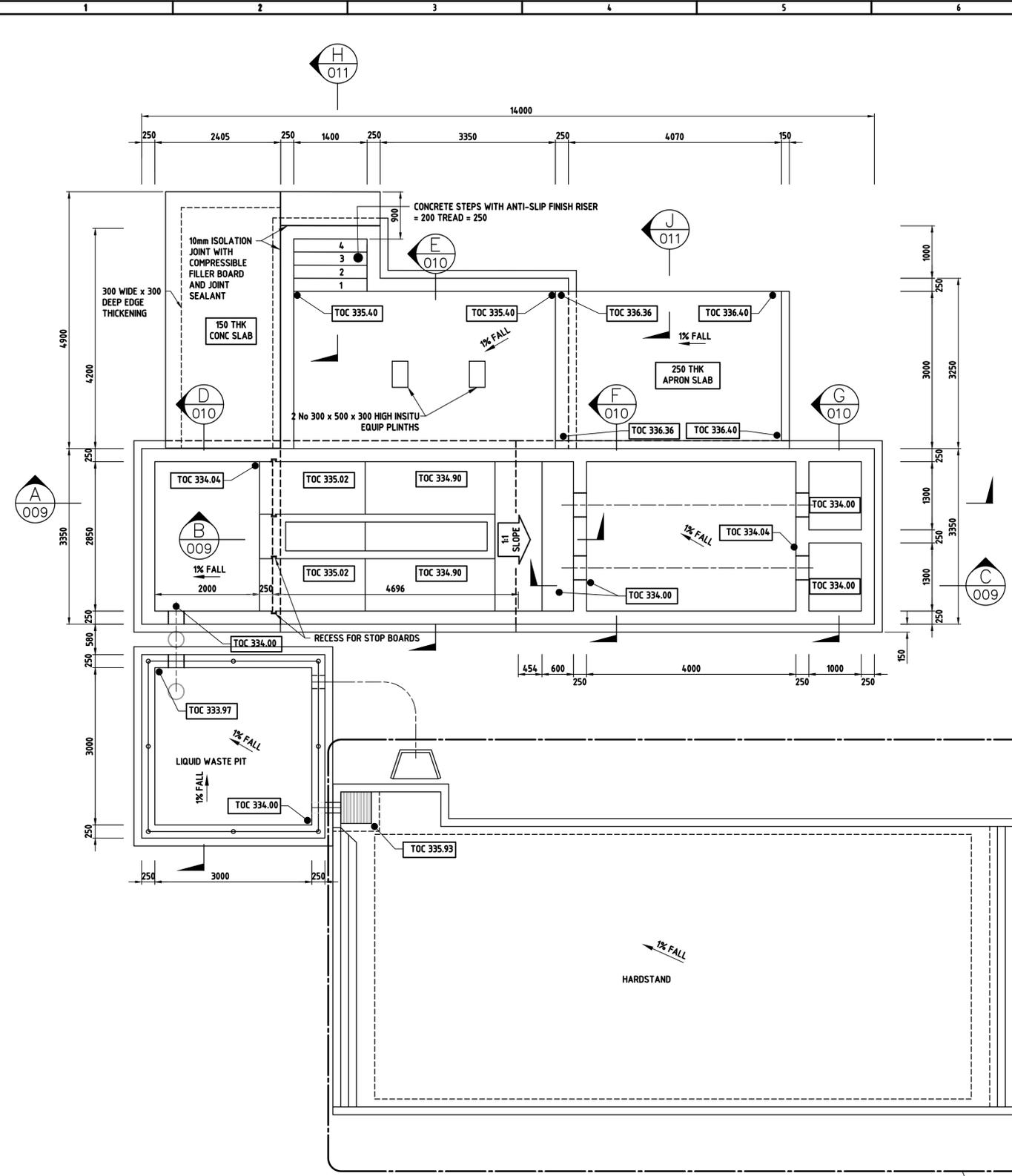
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FOR 100% REVIEW

NOT FOR CONSTRUCTION

D	05/03/24	ISSUED FOR TENDER	JJR	BT	NM		NORTH	CLIENT		DRAWN:	JJR	DATE:	JAN 2024	CITY OF KALGOORLIE-Boulder SOUTH BOULDER WWTP INLET WORKS- GENERAL NOTES				
C	20/02/24	ISSUED FOR 100% REVIEW	JJR	BT	NM					CHECKED:	BT	DATE:	JAN 2024					
B	11/01/2024	ISSUED FOR TENDER REVIEW	JJR	BT	NM					DESIGNED:	NM	DATE:	JAN 2024					
A	16/06/2023	ISSUED FOR CLIENT REVIEW - 70%	MJ	BT	NM					APPROVED:		DATE:						
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT	WISE PROJECT NO.	1034-03-08	DRAWN:		DATE:		SCALE:	DRG No	1034-03-08-DWG-007	REV	D

NOTES
 1. REFER TO DRAWING DWG-007 FOR GENERAL STRUCTURAL NOTES



GENERAL ARRANGEMENT - TANK BASE, LIQUID WASTE PIT AND HARDSTAND PAD
 SCALE 1:50

GENERAL ARRANGEMENT - PLATFORM / WALLS
 SCALE 1

SCALE 1

NOTES: ← FRP GRATING SPAN DIRECTION

PRECAST CHANNEL - LIFTING POINTS
 SCALE 1

SCALE 1

TOTAL WEIGHT 99 Tonne

SCALE 1:20
 500 0 500 1000 mm

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NOTE: REINFORCEMENT DETAILS NOT SHOWN FOR CLARITY
 REFER SECTIONS FOR REINFORCEMENT DETAILS



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WISE PROJECT NO. 1034-03-08

NORTH



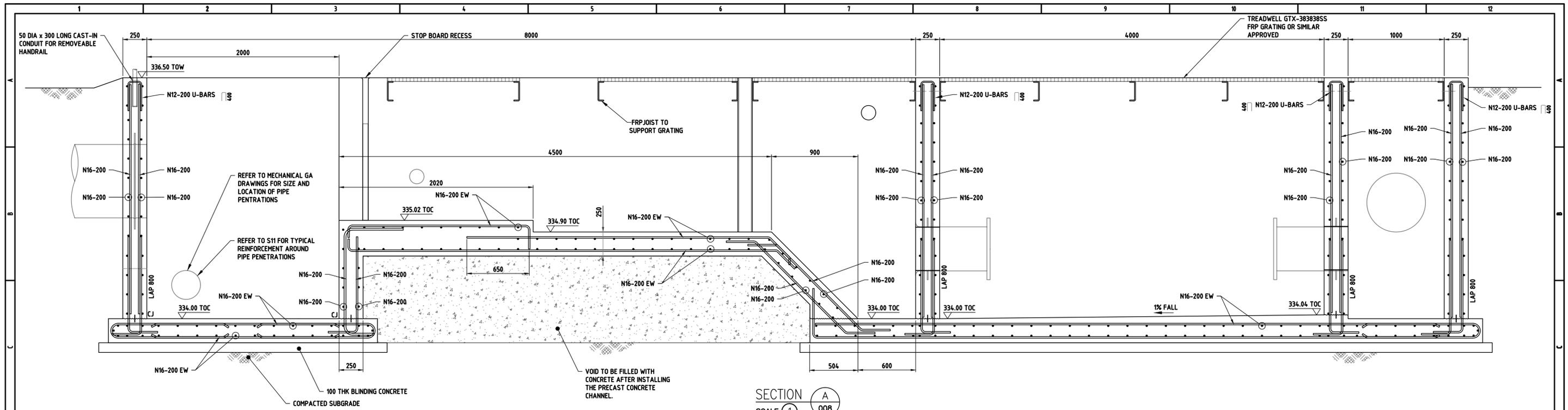
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APPROVED:		DATE:	
CLIENT:			

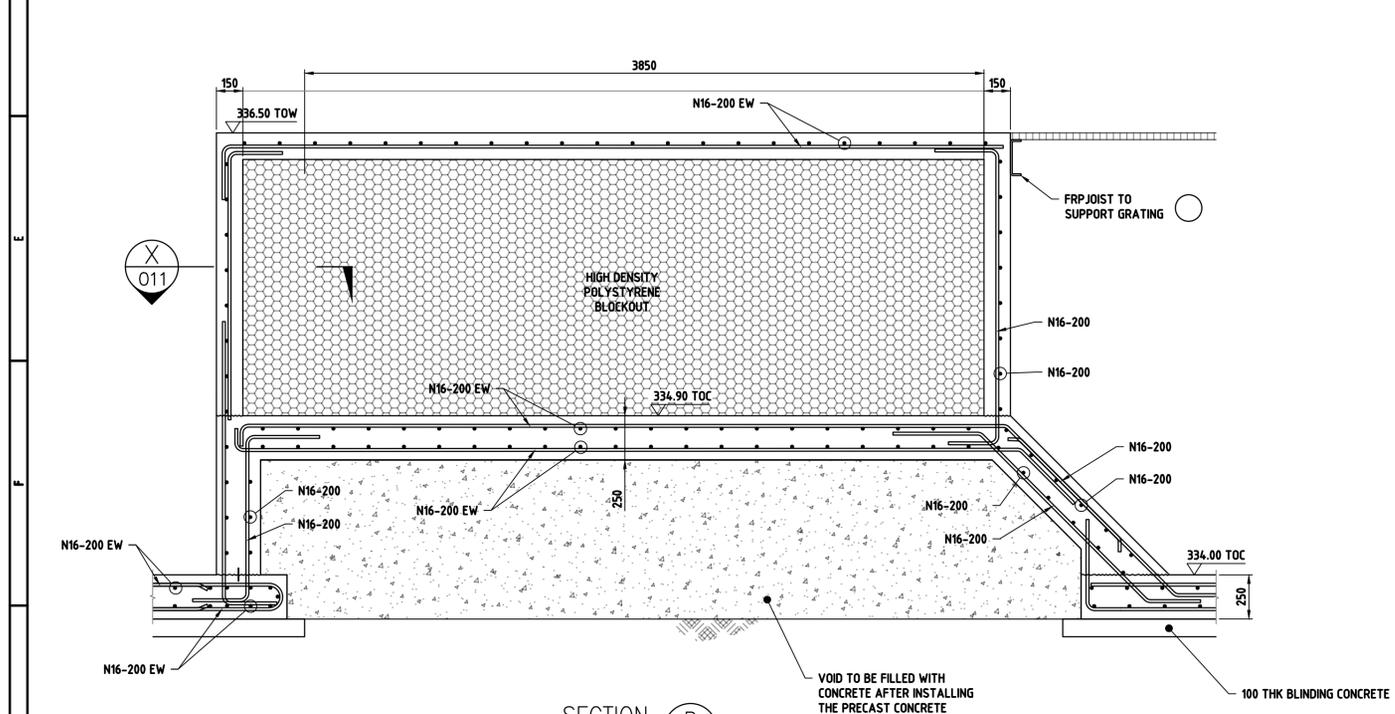
CITY OF KALGOORLIE-Boulder	
SOUTH BOULDER WWTP	
INLET WORKS	
GA PLAN - BASE SLAB & GROUND LEVEL	
SCALE:	DRG No
AS NOTED	1034-03-08-DWG-008
REV	D

REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
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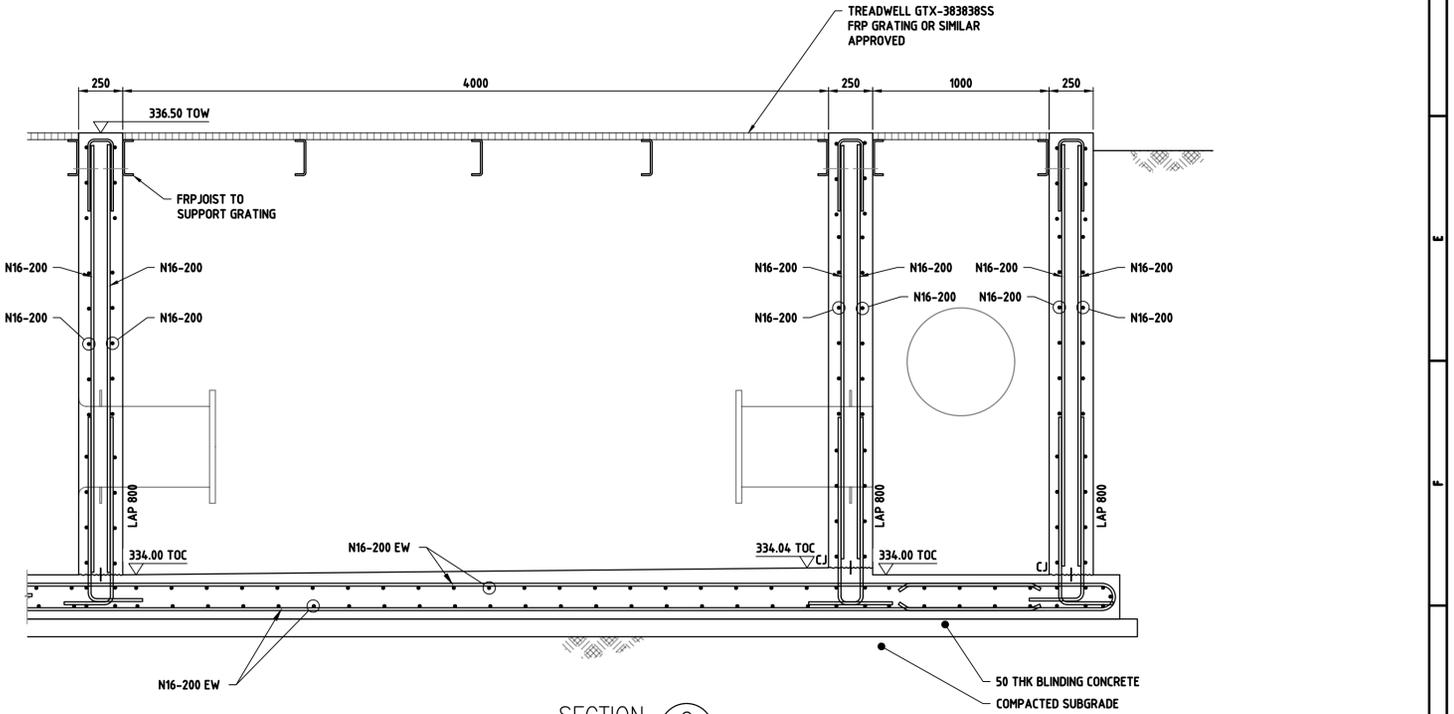


SECTION A
SCALE 1/008

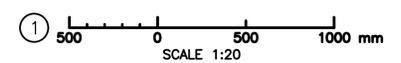
NOTE: 1. STAGGER THE LAPS BY 800mm
2. CAST THE BASE SLAB IN ONE POUR



SECTION B
SCALE 1/008



SECTION C
SCALE 1/008



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REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
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B	11/01/24	ISSUED FOR 100% REVIEW	JJR	BT	NM		
A	16/06/23	ISSUED FOR CLIENT REVIEW - 70%	MJ	BT	NM		

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WISE
WATER INFRASTRUCTURE
SCIENCE ENGINEERING

WISE PROJECT NO. 1034-03-08

NORTH

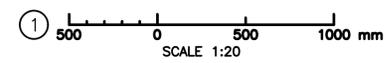
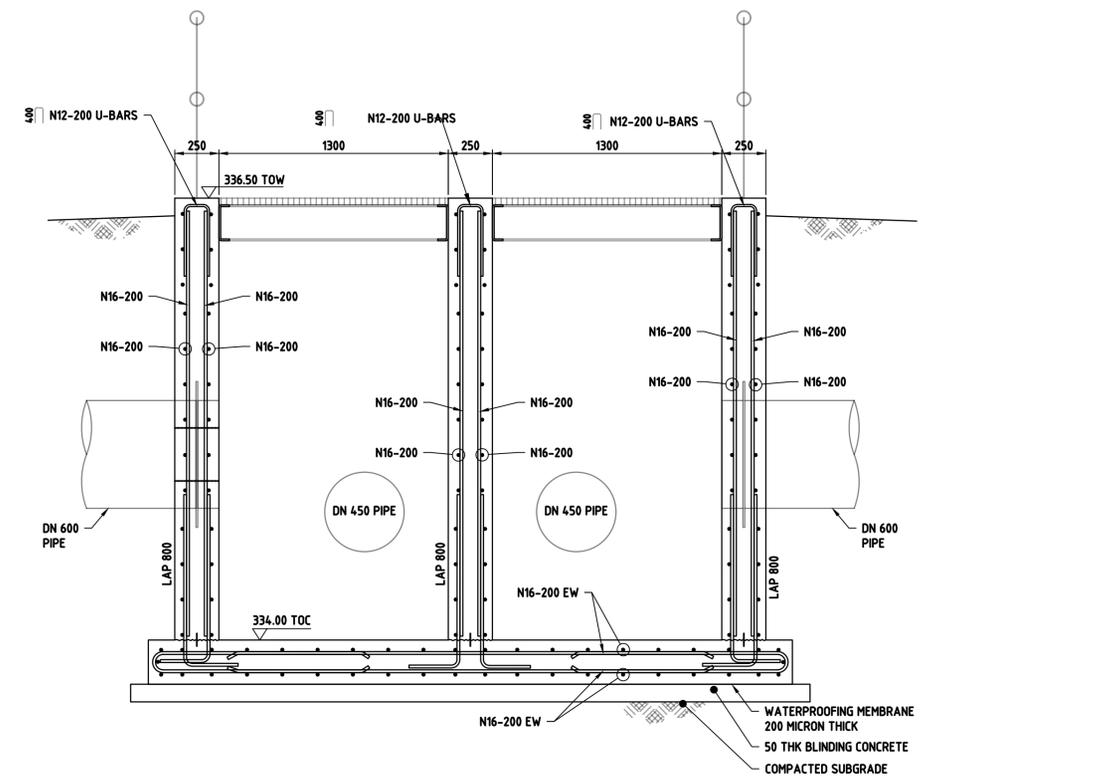
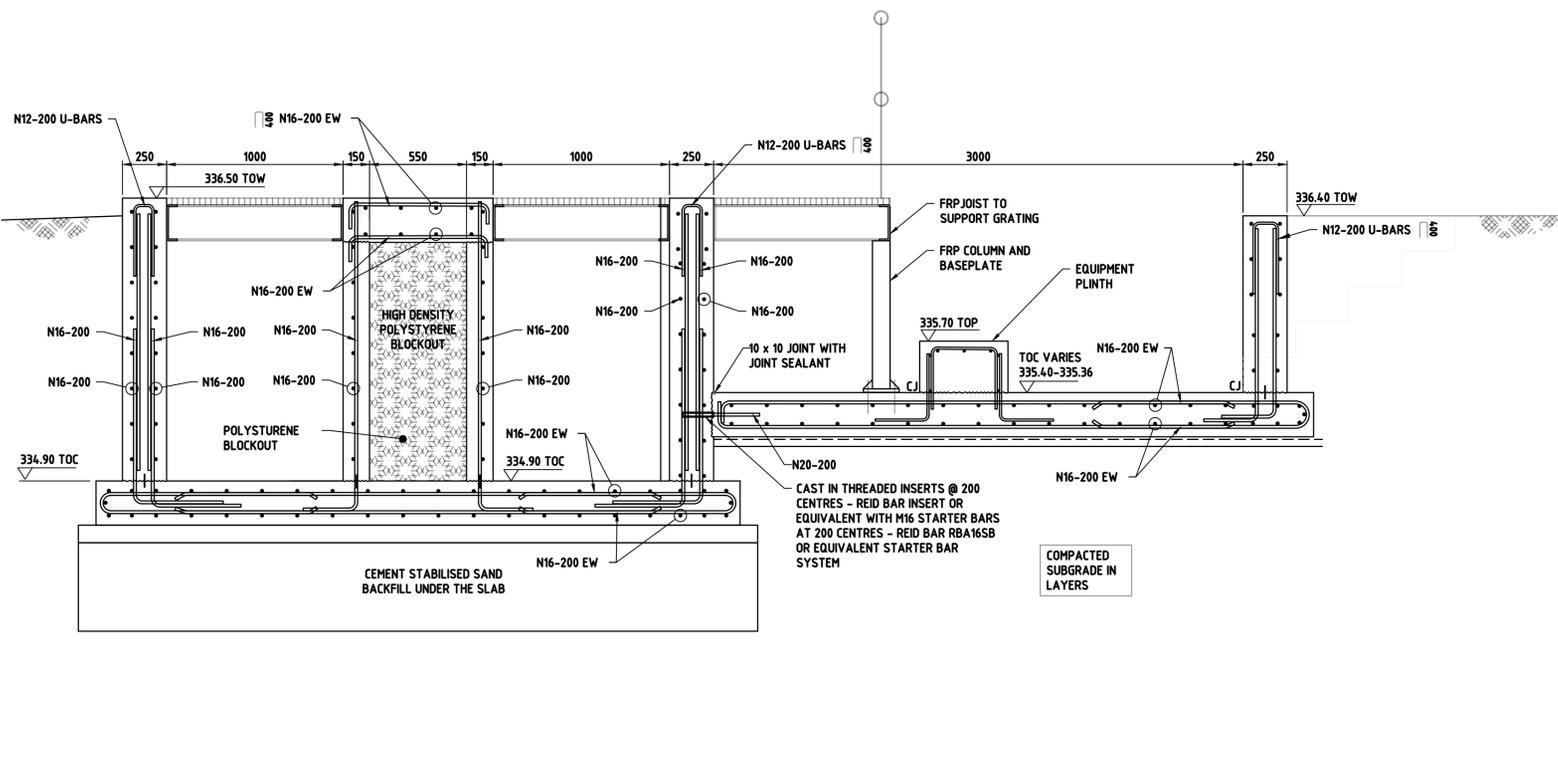
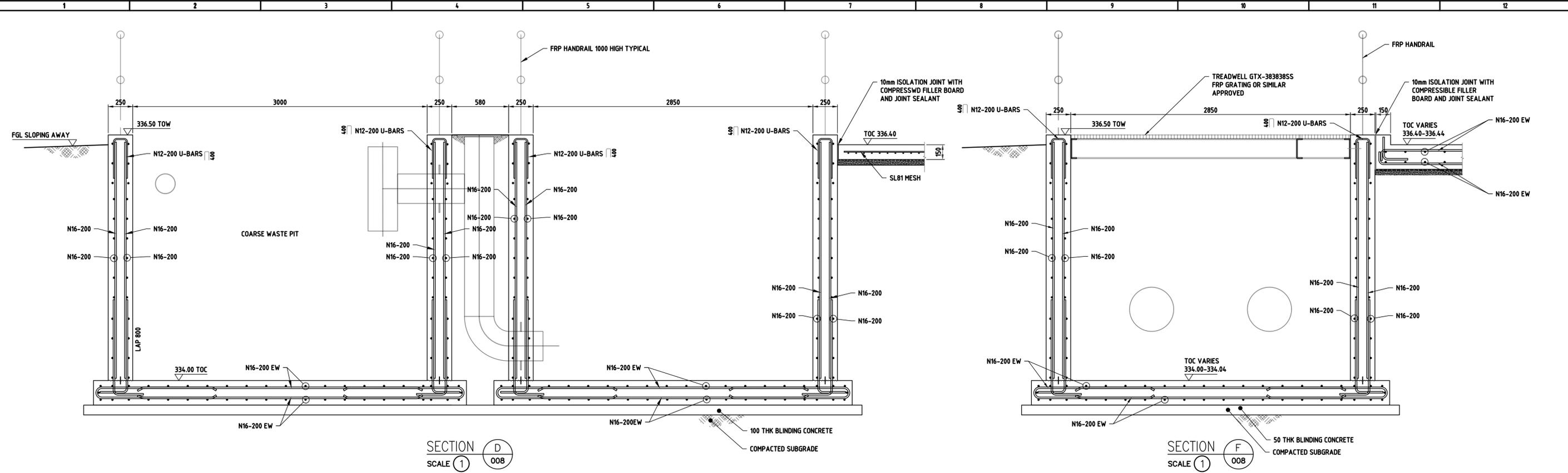
CLIENT

City of Kalgoorlie Boulder

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CHECKED:	BT	DATE:	JAN 2024
DESIGNED:	NM	DATE:	JAN 2024
APPROVED:		DATE:	
CLIENT:			

CITY OF KALGOORLIE-Boulder
SOUTH BOULDER WWTP
INLET WORKS
SECTIONS AND REINFORCEMENT SHEET 1

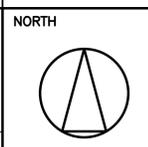
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REV: D



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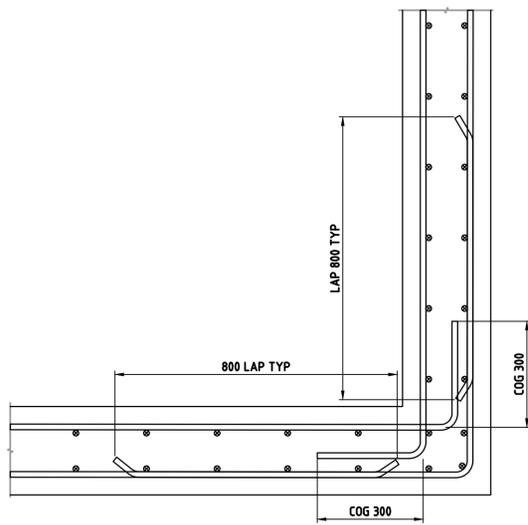
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B	11/01/24	ISSUED FOR 100% REVIEW	JJR	BT	NM		
A	16/06/23	ISSUED FOR CLIENT REVIEW - 70%	MJ	BT	NM		

WISE PROJECT NO. 1034-03-08

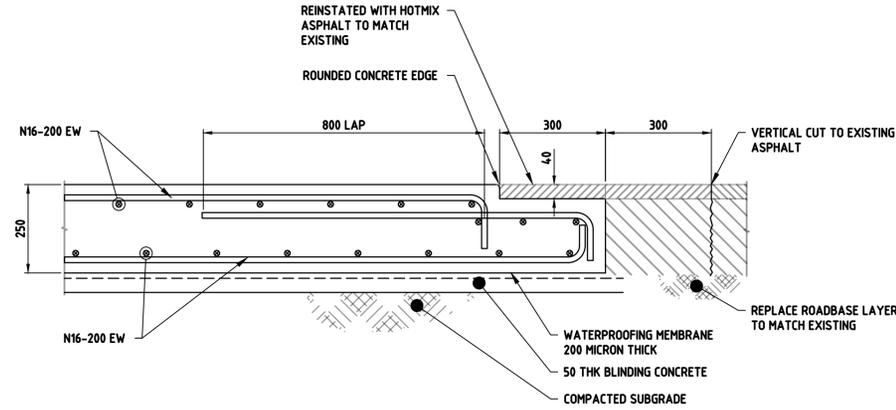


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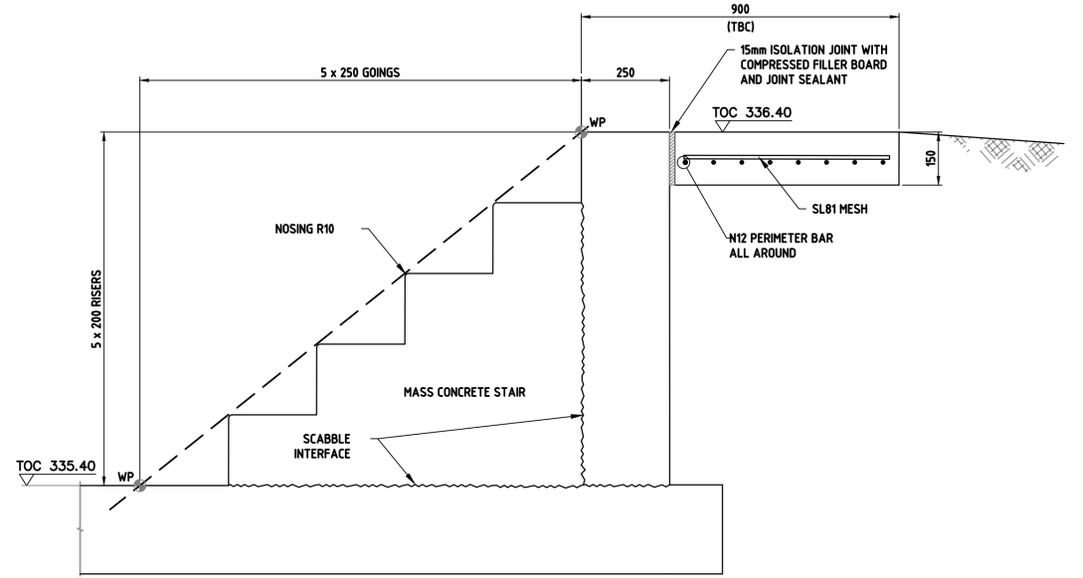
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SOUTH BOULDER WWTP							
INLET WORKS							
REINF AND ELEVATION PLAN							



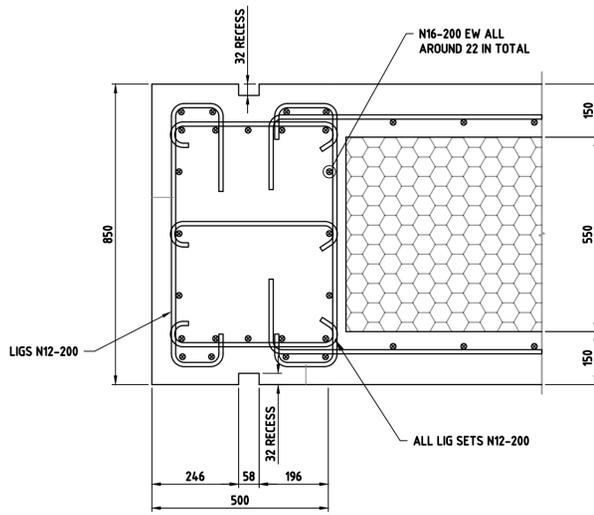
TYPICAL CORNER HORIZONTAL LAP DETAIL
SCALE 1



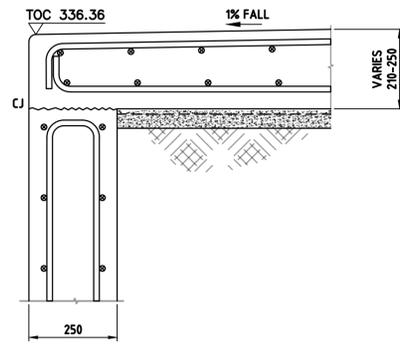
SECTION J
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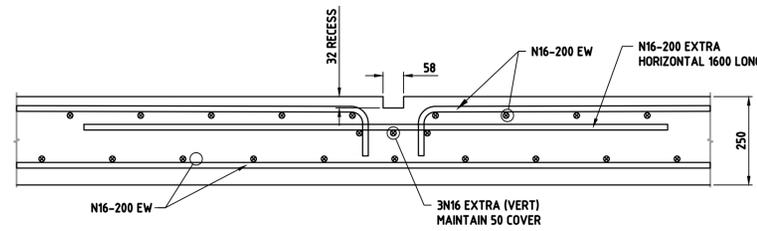
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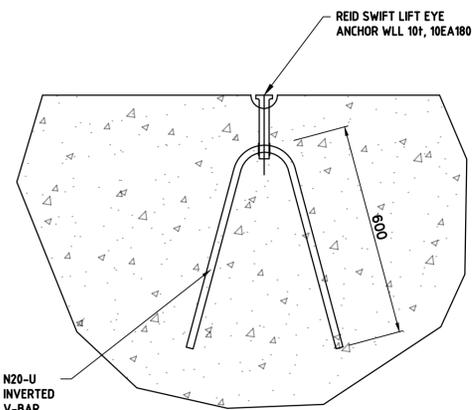
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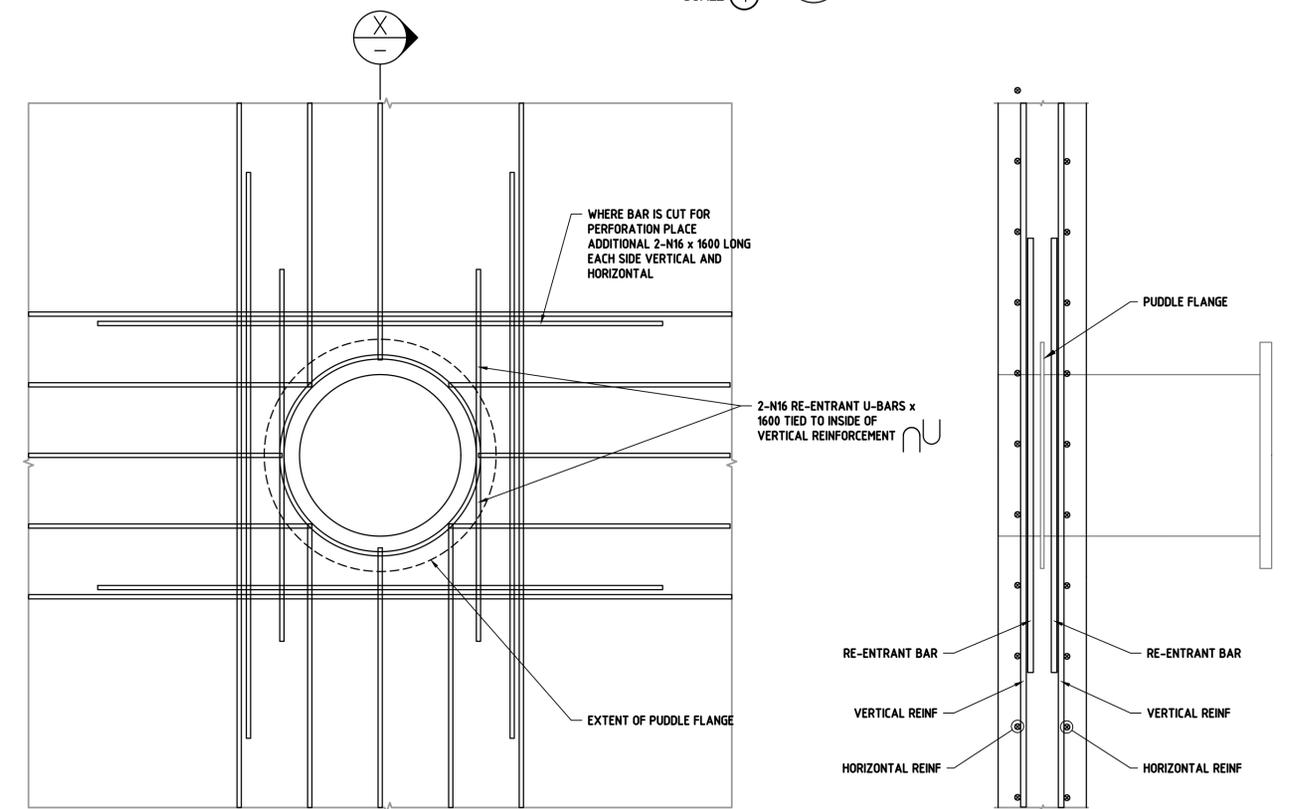
SECTION K
SCALE 1



WALL RECESS TYPICAL DETAIL - PLAN
SCALE 1



LIFTING LUG A
SCALE 1



ELEVATION
TYPICAL REINFORCEMENT AT PIPE PENETRATIONS
SCALE 1
NOTE: MAINTAIN 50 COVER TO SIDE OF PENETRATION

SECTION X
SCALE 1

P
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WISE
WATER INFRASTRUCTURE
SCIENCE ENGINEERING

NORTH

CLIENT

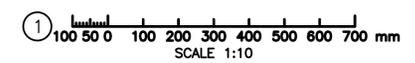


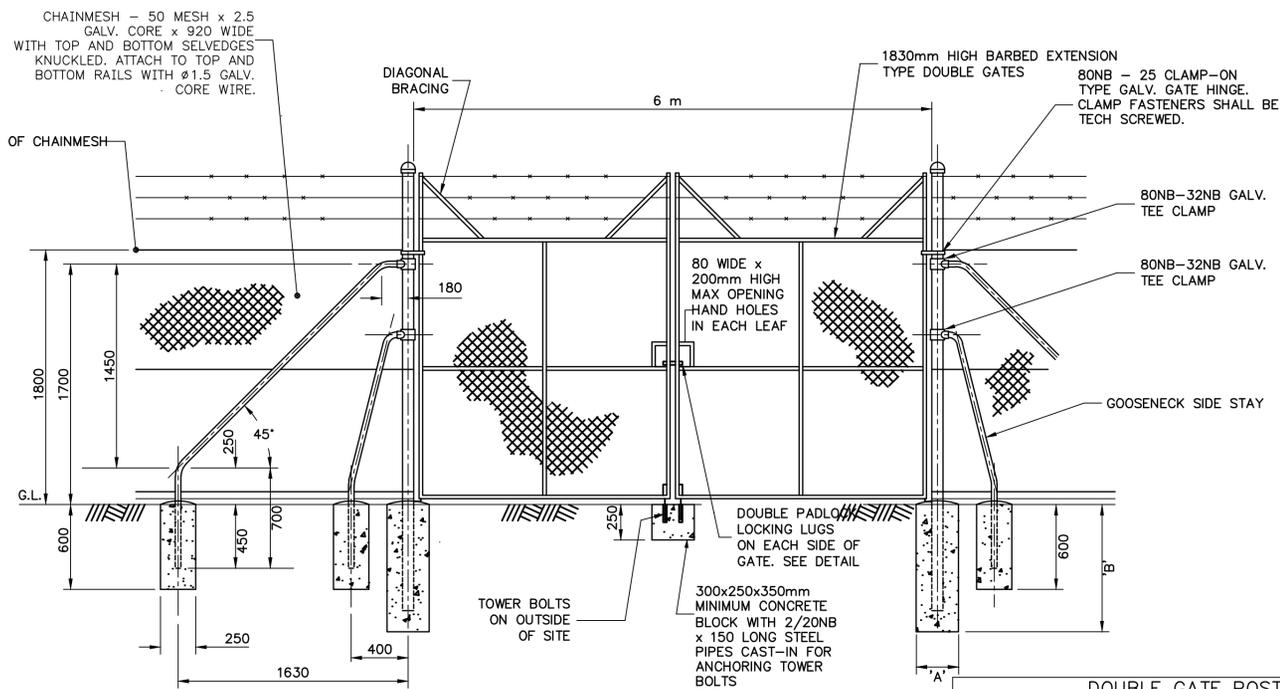
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APPROVED:		DATE:	
CLIENT:			

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NOT FOR CONSTRUCTION		
CITY OF KALGOORLIE-Boulder SOUTH BOULDER WWTP INLET WORKS DETAILS		
SCALE:	DRG No	REV
AS NOTED	1034-03-08-DWG-011	D

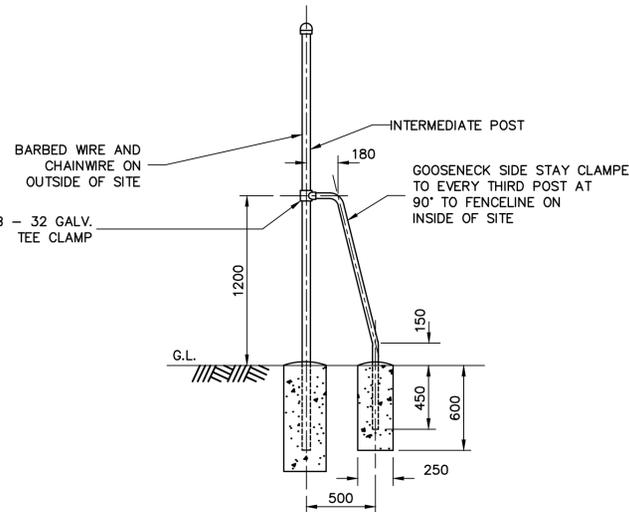
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A	16/06/23	ISSUED FOR CLIENT REVIEW - 70%	MJ	BT	NM		

WISE PROJECT NO. 1034-03-08

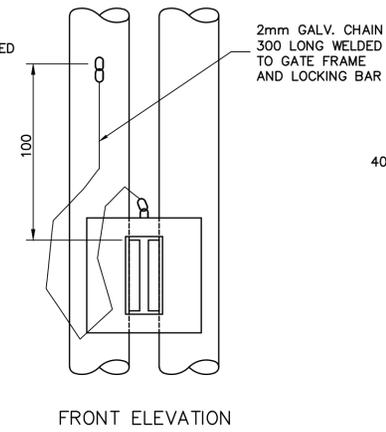




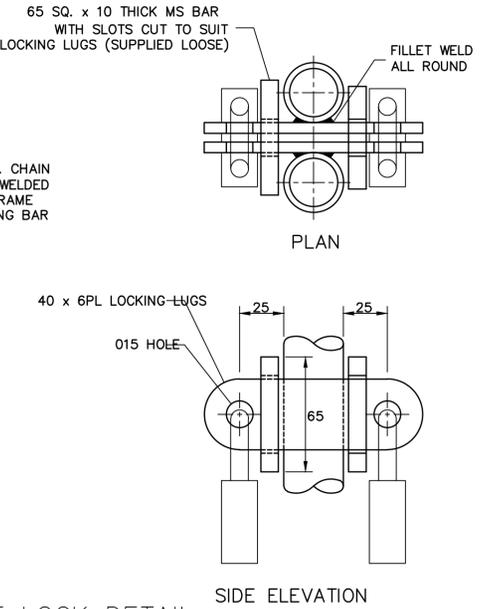
DOUBLE GATES
SCALE: 1:25



SIDE STAY
SCALE: 1:25

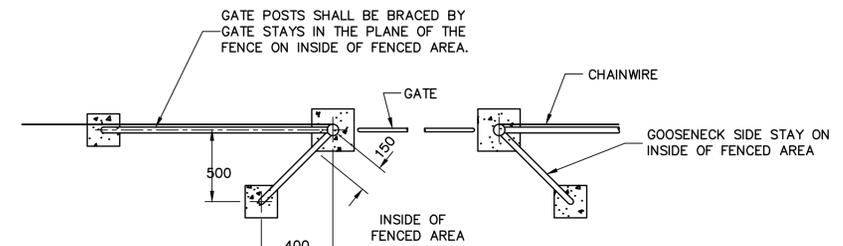


FRONT ELEVATION

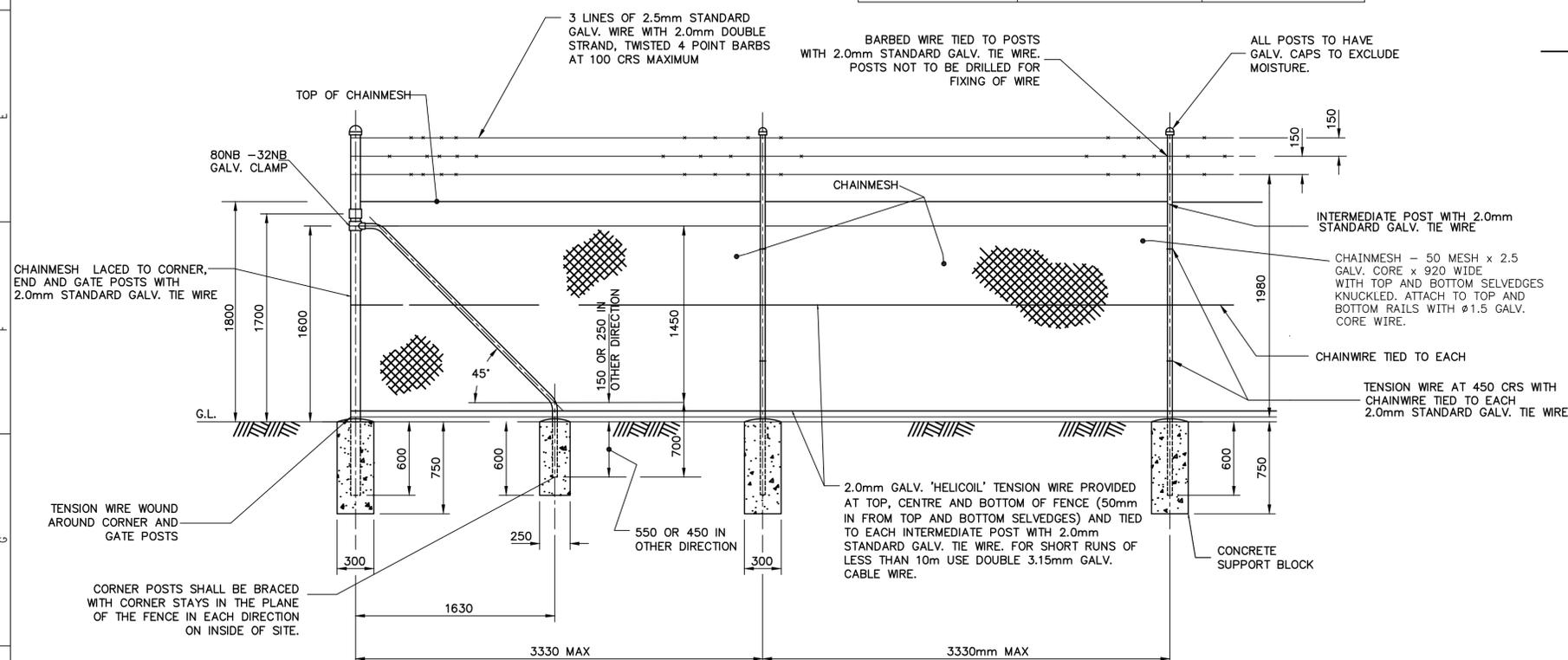


DOUBLE GATE LOCK DETAIL
SCALE: DIAGRAMMATIC

DOUBLE GATE POST FOOTING DIMENSIONS		
WIDTH OF GATE OPENING (mm)	FOOTING DIAMETER/ WIDTH 'A' (mm)	FOOTING DEPTH 'B' (mm)
4000 - 4800	300	900
4801 - 7200	300	1000
7201 - 9600	400	1100
9601 - 10000	450	1200



TYPICAL PLAN OF GATES
SCALE: DIAGRAMMATIC

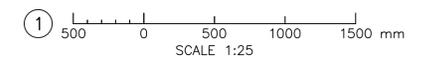


CORNER AND INTERMEDIATE BAYS
SCALE: 1:25

NOTES

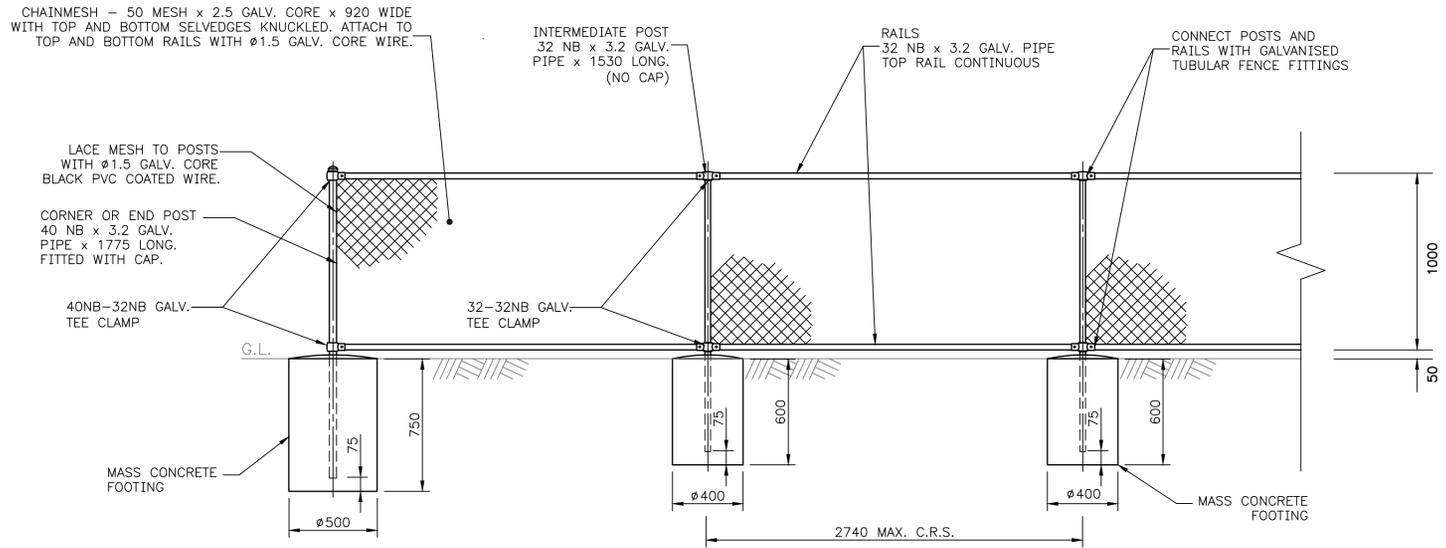
- FENCING TO BE SUPPLIED & INSTALLED IN ACCORDANCE WITH AS1725 PART 1 AND AS2423.
- ALL FITTINGS TO BE HOT DIP GALVANIZED TO AS 4680.
- ALL FASTENERS TO BE HOT DIP GALVANIZED TO AS 1214.
- CONCRETE FOOTING MIN GRADE N20 CONCRETE. FOOTINGS MAY BE EITHER SQUARE OR CIRCULAR.
- FIELD COATING REPAIR - DAMAGED COATING TO BE THOROUGHLY WIRE BRUSHED AND TREATED WITH TWO COATS OF DIMET ZINC RICH PAINT No. 10 OR APPROVED EQUIVALENT, OVERLAPPING ORIGINAL COATING.
- SERVICE DUTY FOR CHAIN LINK FENCE TO BE HEAVY DUTY FABRIC- 50mm PITCH X 3.15mm WIRE HEAVY GALVANISED QUALITY COMPLIANT TO AS1725-2010 PART 1AND AS2423.
- PIPE GRADE WILL BE CLASS 1 (MEDIUM QUALITY).

ISSUED FOR TENDER



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB

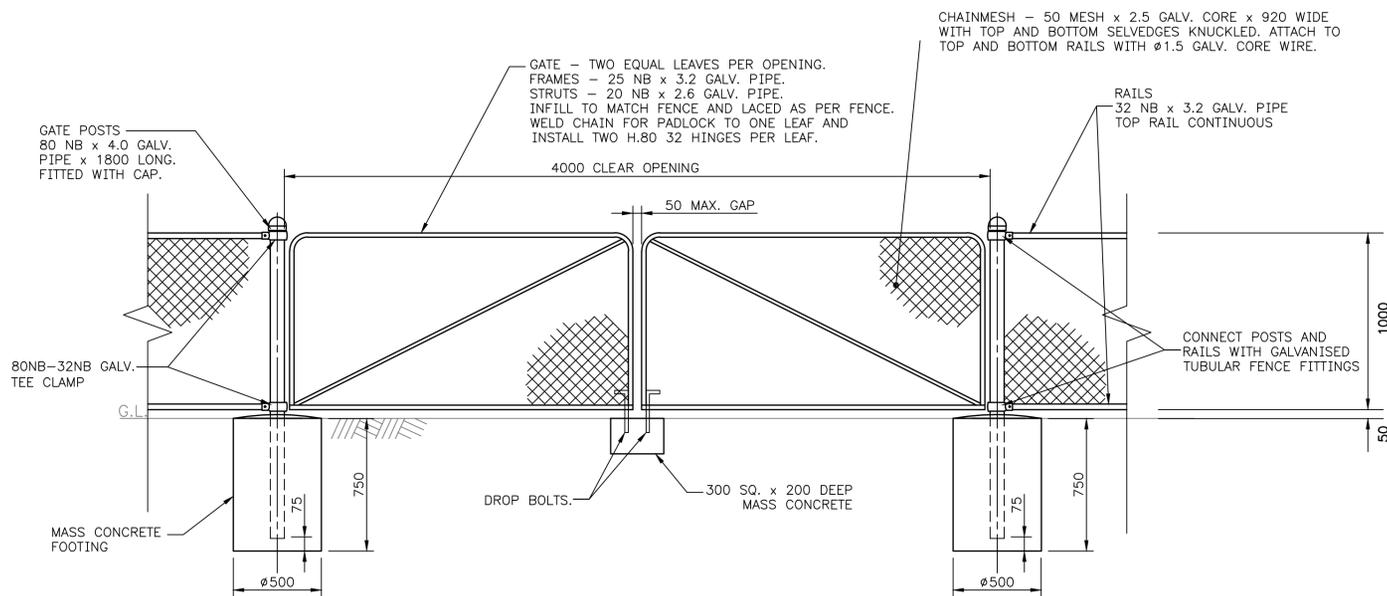
		DRAWN: BD CHECKED: MW DESIGNED: BD APPROVED: GD CLIENT: CITY OF KALGOORLIE BOULDER	DATE: JAN. 2024 DATE: JAN. 2024 DATE: JAN. 2024 DATE: JAN. 2024	CITY OF KALGOORLIE BOULDER SOUTH BOULDER WWTP INLET WORKS FENCE DETAILS
		WISE PROJECT NO. 1034-03-08	SCALE: AS SHOWN DRG No. 1034-03-08-DWG-012	REV 0



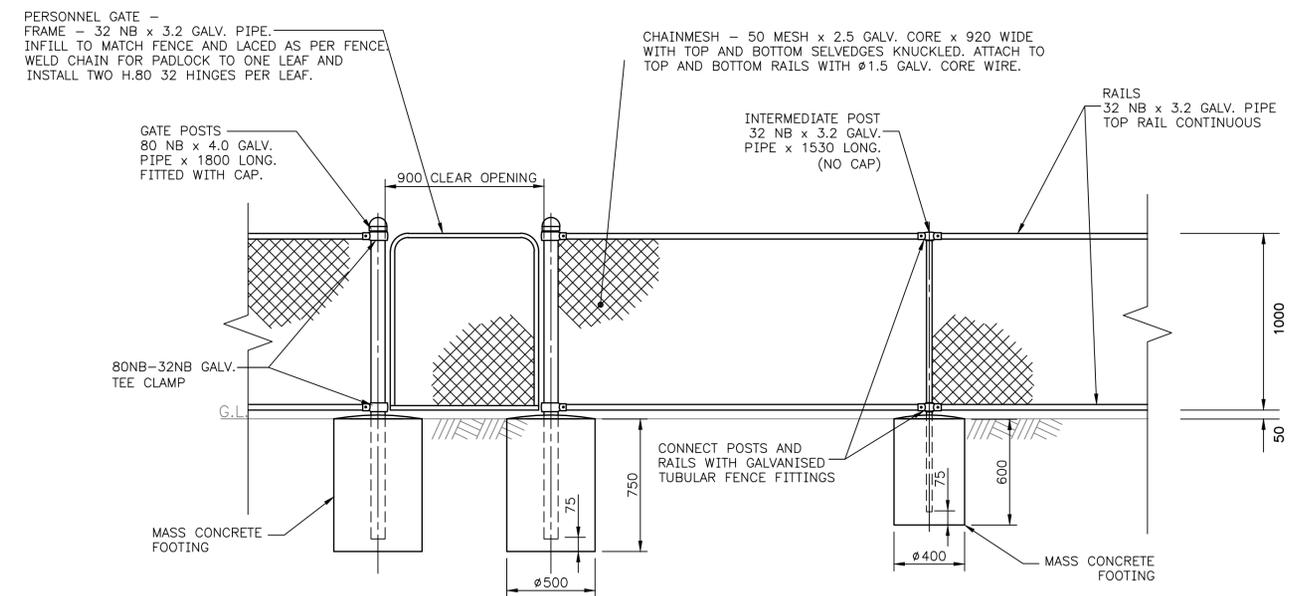
CORNER AND INTERMEDIATE BAYS
SCALE: 1:20

NOTES

- FENCING TO BE SUPPLIED & INSTALLED IN ACCORDANCE WITH AS1725 PART 1 AND AS2423.
- ALL FITTINGS TO BE HOT DIP GALVANIZED TO AS 4680.
- ALL FASTENERS TO BE HOT DIP GALVANIZED TO AS 1214.
- CONCRETE FOOTING MIN GRADE N20 CONCRETE. FOOTINGS MAY BE EITHER SQUARE OR CIRCULAR.
- FIELD COATING REPAIR - DAMAGED COATING TO BE THOROUGHLY WIRE BRUSHED AND TREATED WITH TWO COATS OF DIMET ZINC RICH PAINT No. 10 OR APPROVED EQUIVALENT, OVERLAPPING ORIGINAL COATING.
- SERVICE DUTY FOR CHAIN LINK FENCE TO BE HEAVY DUTY FABRIC- 50mm PITCH X 3.15mm WIRE HEAVY GALVANISED QUALITY COMPLIANT TO AS1725-2010 PART 1 AND AS2423.
- PIPE GRADE WILL BE CLASS 1 (MEDIUM QUALITY).



DOUBLE GATES
SCALE: 1:20

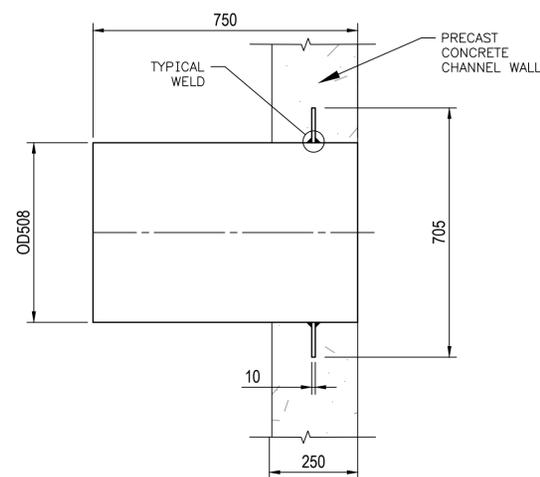


PERSONNEL GATE
SCALE: 1:20

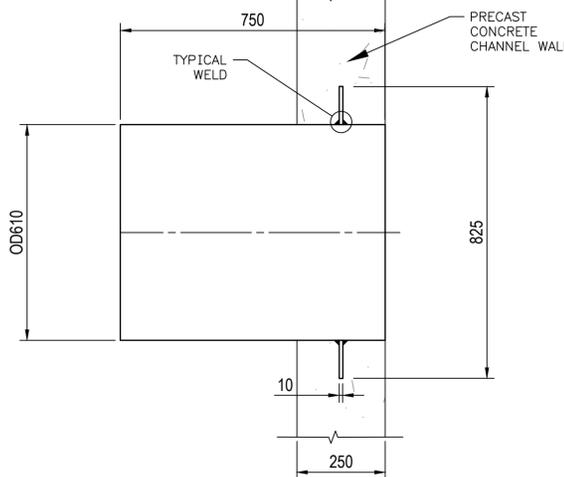
TWO RAIL CHAINWIRE FENCE

ISSUED FOR TENDER

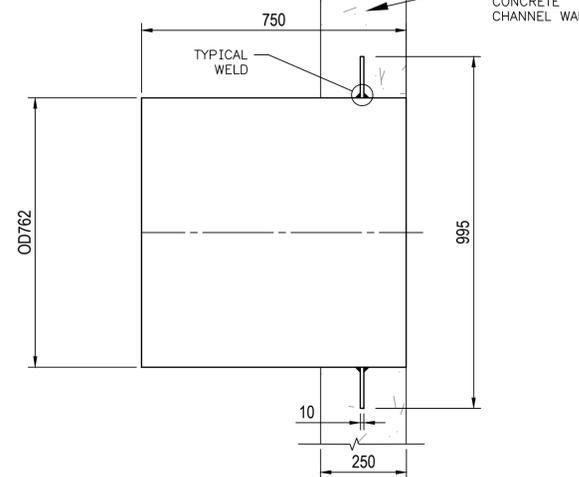




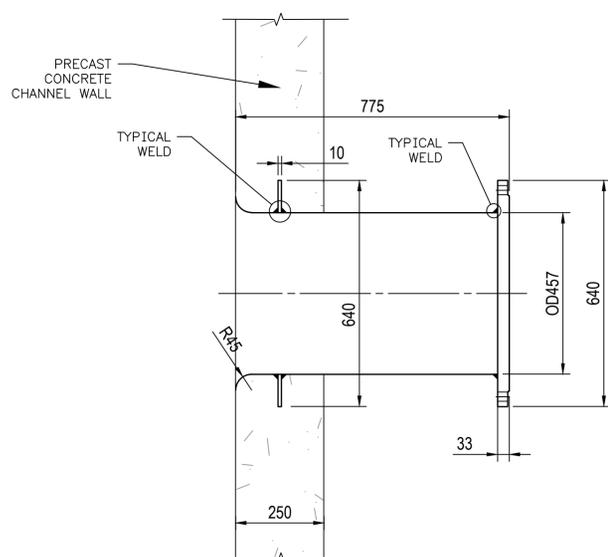
ITEM 7A – DN500 SS316 END PIPE WITH PUDDLE FLANGE (OD508)
1 REQUIRED



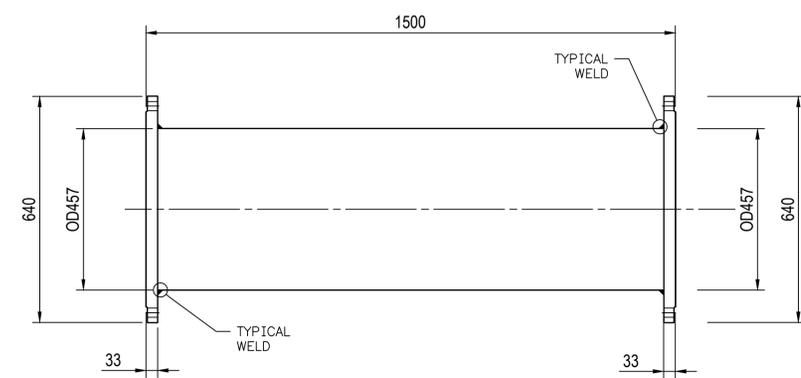
ITEM 7B – DN600 SS316 END PIPE WITH PUDDLE FLANGE (OD610)
2 REQUIRED



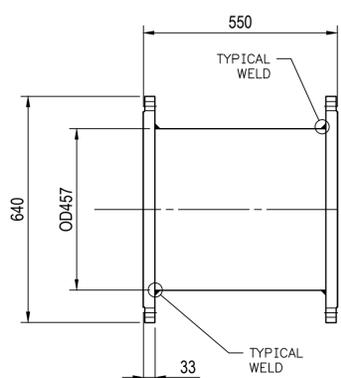
ITEM 7C – DN750 SS316 END PIPE WITH PUDDLE FLANGE (OD762)
1 REQUIRED



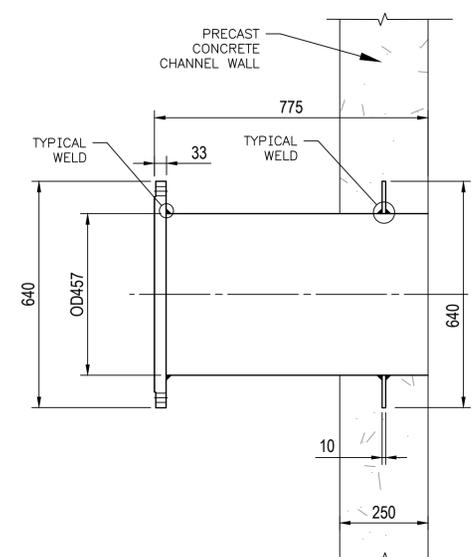
ITEM 7D – DN500 SS316 END PIPE WITH BELLMOUTH INLET & PUDDLE FLANGE (OD457)
2 REQUIRED



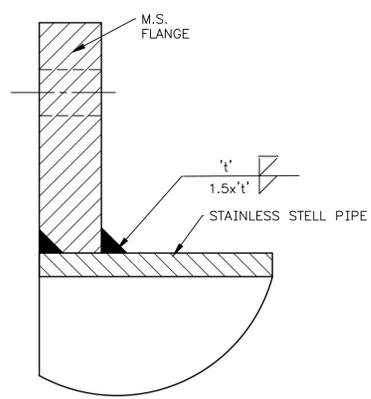
ITEM 12A – DN450 SS316 FLANGED PIPE SPOOL (OD457)
2 REQUIRED



ITEM 12B – DN450 SS316 FLANGED PIPE SPOOL (OD457)
2 REQUIRED



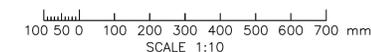
ITEM 7E – DN500 SS316 END PIPE WITH PUDDLE FLANGE (OD457)
2 REQUIRED



TYPICAL WELD – FLANGE WELDING
NOTE: USE E309MgI WELDING ELECTRODE OR SIMILAR

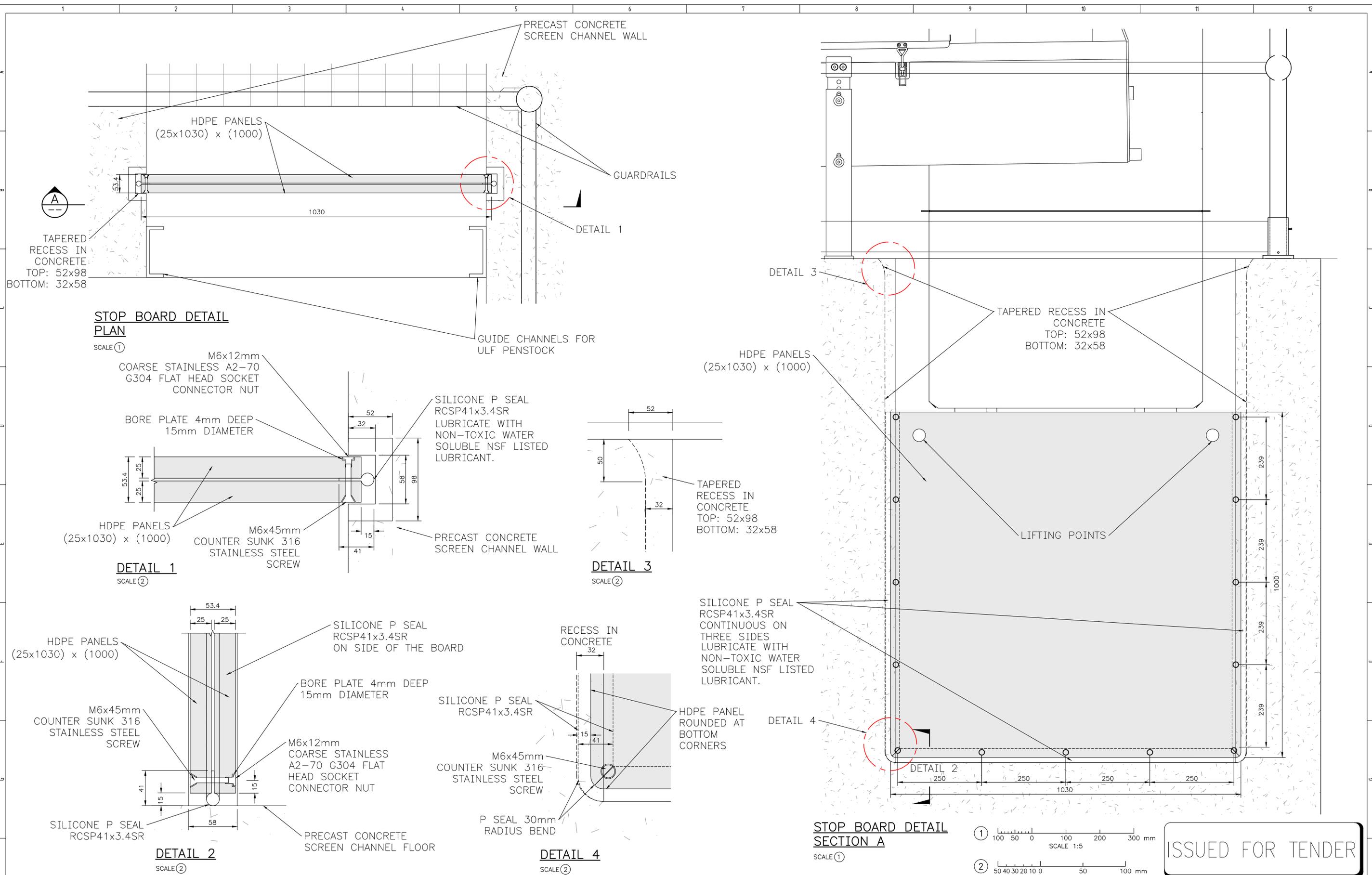
- GENERAL NOTES**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
 - WELDING SHALL COMPLY WITH AS 4041 – PIPEWORK CLASS 2P.
 - FABRICATES STAINLESS STEEL ITEMS SHALL BE TYPE 316L.
 - FLANGES SHALL BE MANUFACTURED IN ACCORDANCE WITH AS 4087.
 - UNLESS NOTED FLANGES ARE PN16 AND RAISED FACE JOINT UNLESS OTHERWISE NOTED.
 - COMPRESSED FIBRE GASKET MATERIAL: NOVUS 30 OR KLINGERSIL C4430, THICKNESS 1.5 MM, ALLOWABLE GASKET STRESS OF 135 MPA @ 20 °C.
 - BOLTS, NUTS AND WASHERS COMPLY WITH AS 4291 AND SHALL BE SS316.

FLANGE DETAILS AS4087 PN16							
PIPE DN	FLANGE OUTSIDE DIA. (mm)	WELD THICKNESS (t)	BOLT HOLE DIA. (mm)	NO. OF BOLTS	SIZE OF BOLTS	BOLT/TORQUE (Nm)	STAINLESS STEEL BOLTING GRADE
DN450	640	5	26	12	24	435	A4-70
DN500	705	5	26	16	24	631	A4-70
DN600	825	6	30	16	27	861	A4-70
DN750	995	7	33	20	30	1524	A4-80



ISSUED FOR TENDER

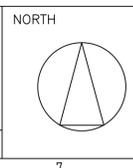
01.03.24 ISSUED FOR TENDER			BD	MW	BD	GD	CKB				DRAWN: R. BANAA CHECKED: M. WOOD DESIGNED: R. BANAA APPROVED: G. DEGEBRODT CLIENT:	DATE: 1/12/2023 DATE: 1/12/2023 DATE: 1/12/2023 DATE: 1/12/2023 DATE:	CITY OF KALGOORLIE-Boulder SOUTH BOULDER WWTP INLET WORKS PIPE SPECIAL DETAILS SCALE: AS NOTED DRG No 1034-03-08-DWG-014	REV 0
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT				WISE PROJECT NO. 1034-03-08	9	10	11



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB

WISE
WATER INFRASTRUCTURE
SCIENCE & ENGINEERING

WATER PROJECT NO. 1034-03-08



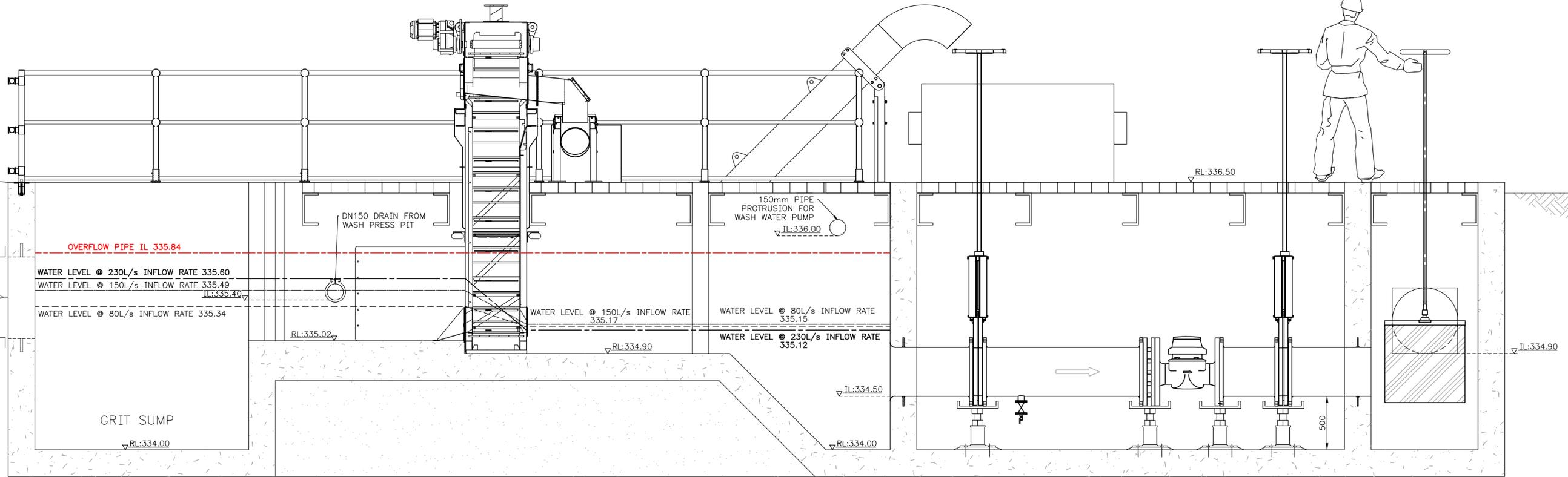
CLIENT

City of Kalgoorlie Boulder

DRAWN:	R. BANAA	DATE:	1/12/2023
CHECKED:	M. WOOD	DATE:	1/12/2023
DESIGNED:	R. BANAA	DATE:	1/12/2023
APPROVED:	G. DEGEBRODT	DATE:	1/12/2023
CLIENT:		DATE:	

CITY OF KALGOORLIE-BOULDER
SOUTH BOULDER WWTP
INLET WORKS
STOP BOARD DETAILS

SCALE: AS NOTED
DRG No 1034-03-08-DWG-015
REV 0



SECTION A
SCALE ①



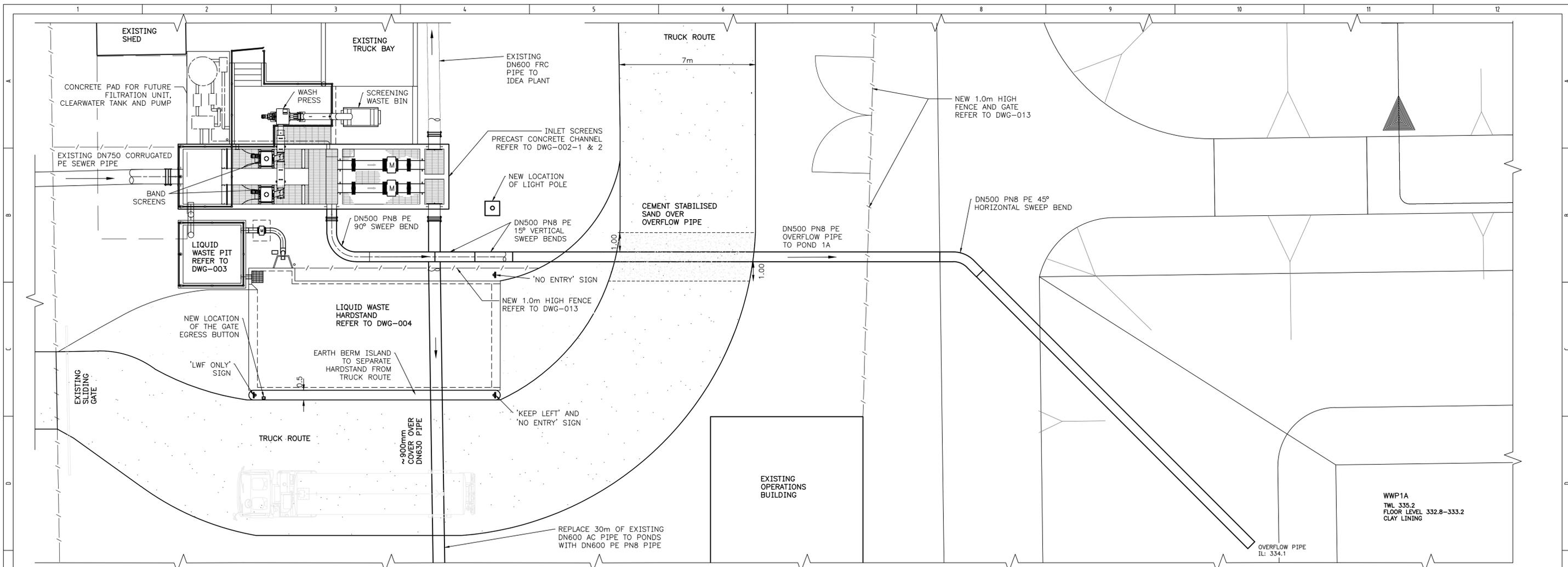
ISSUED FOR TENDER

REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT
0	01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB



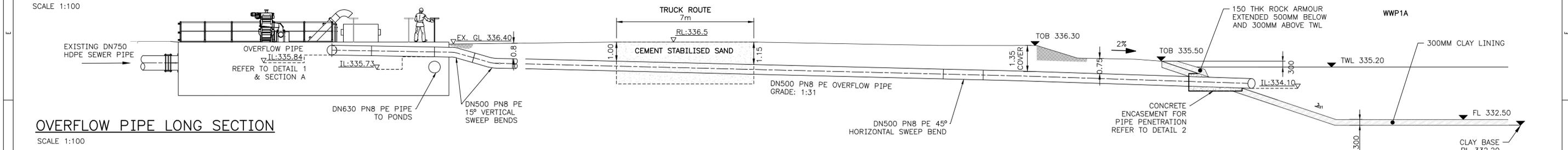
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CHECKED:	PH	DATE:	FEB. 2023
DESIGNED:	PH	DATE:	FEB. 2023
APPROVED:	GD	DATE:	FEB. 2023
CLIENT:	CKB		

CITY OF KALGOORLIE-Boulder		SCALE:	AS NOTED	DRG No	1034-03-08-DWG-016	REV	0
SOUTH BOULDER WWTP							
INLET WORKS							
OPERATIONAL LEVELS							



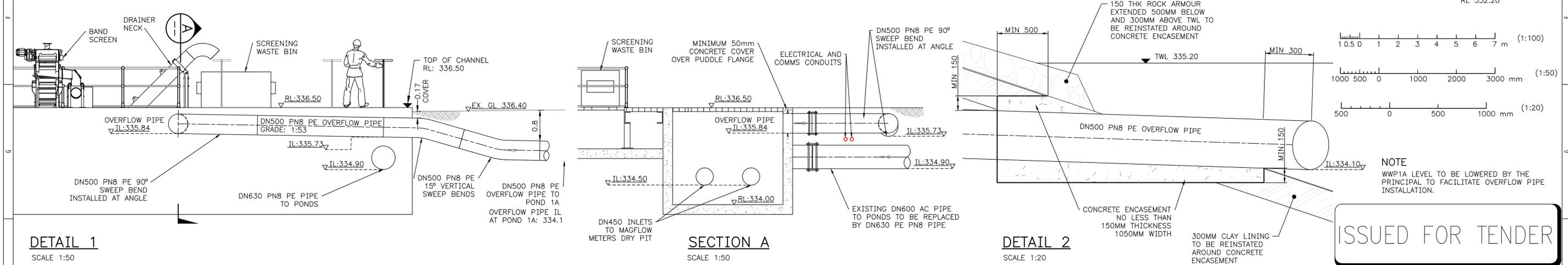
OVERFLOW PIPE PLAN

SCALE 1:100



OVERFLOW PIPE LONG SECTION

SCALE 1:100



DETAIL 1

SCALE 1:50

SECTION A

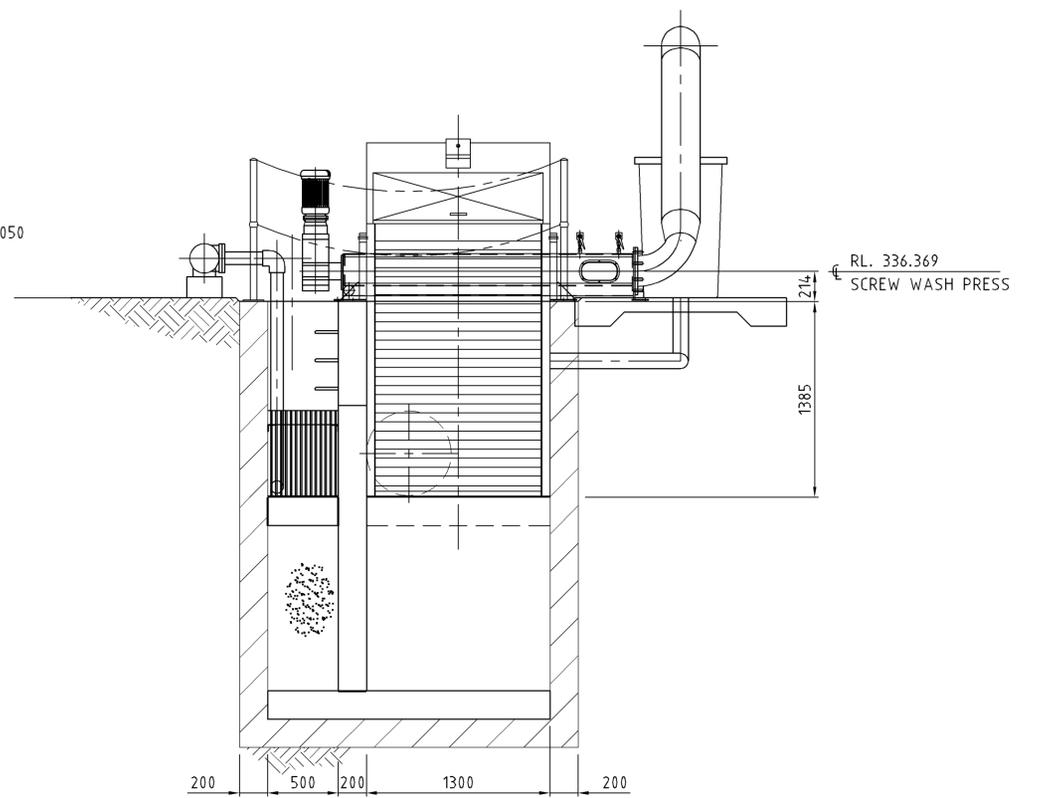
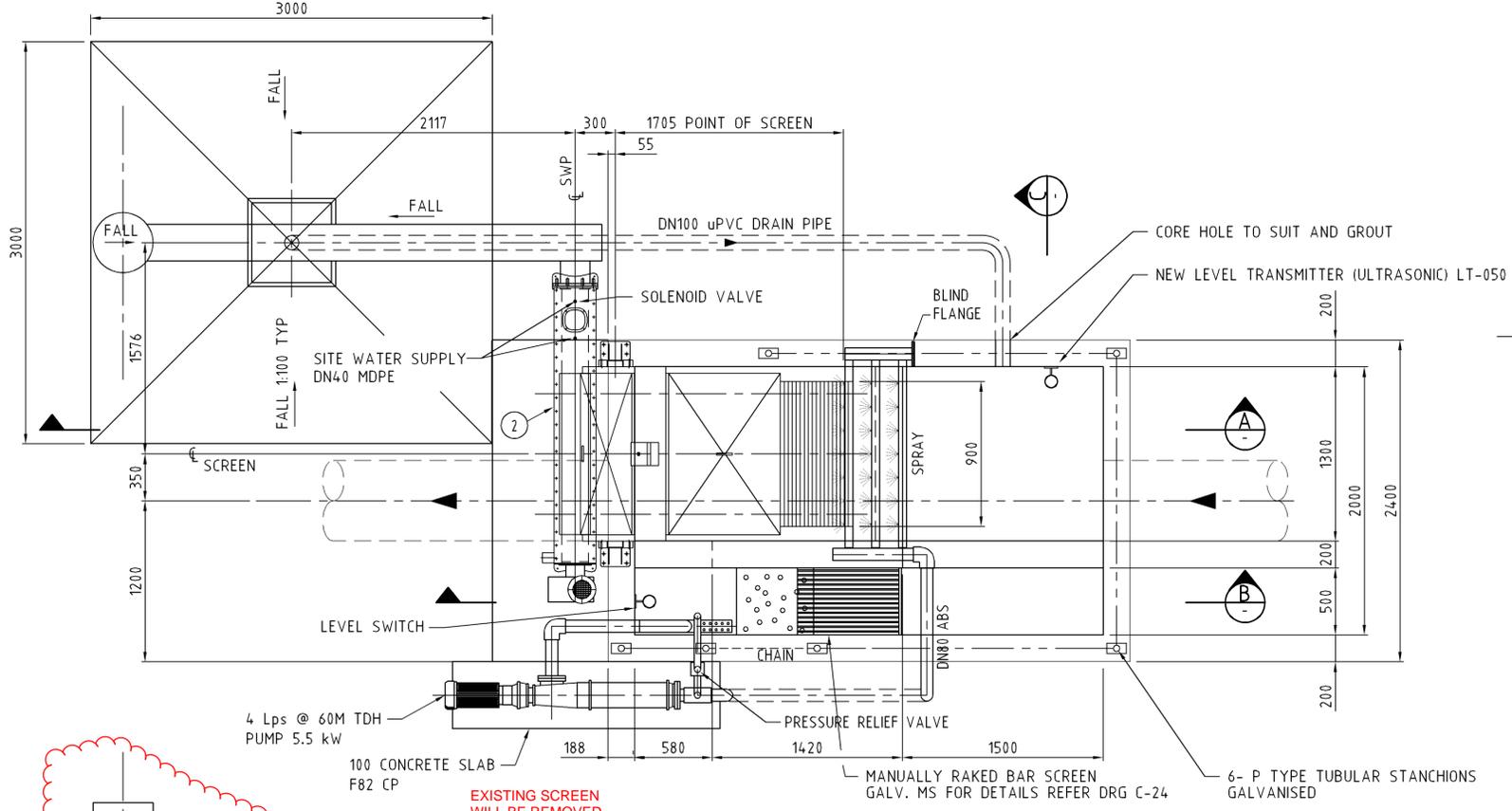
SCALE 1:50

DETAIL 2

SCALE 1:20

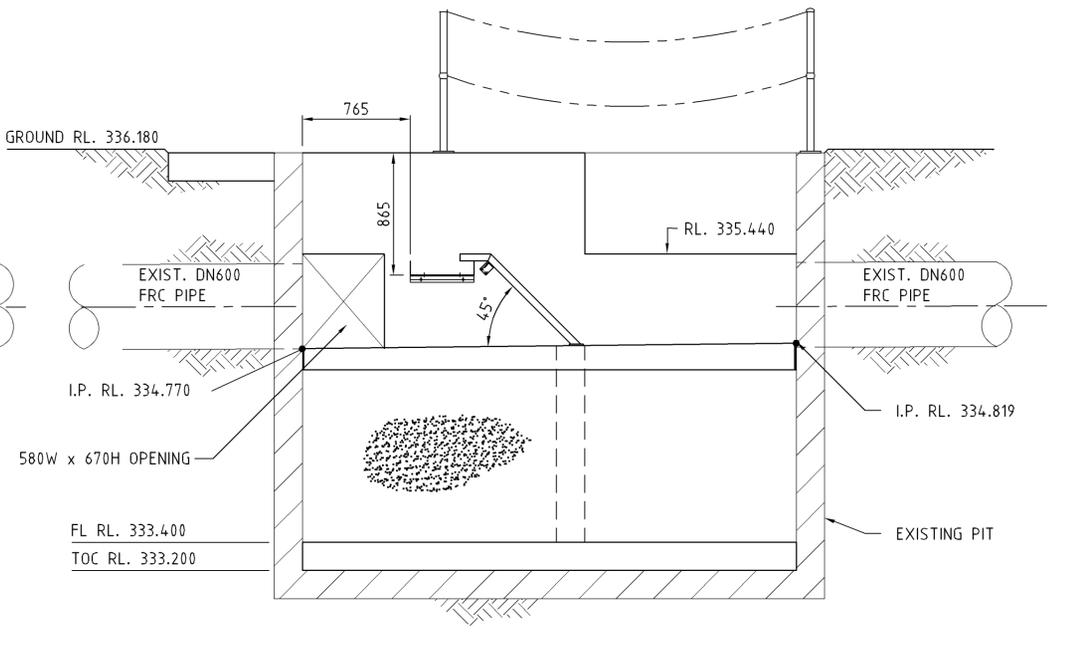
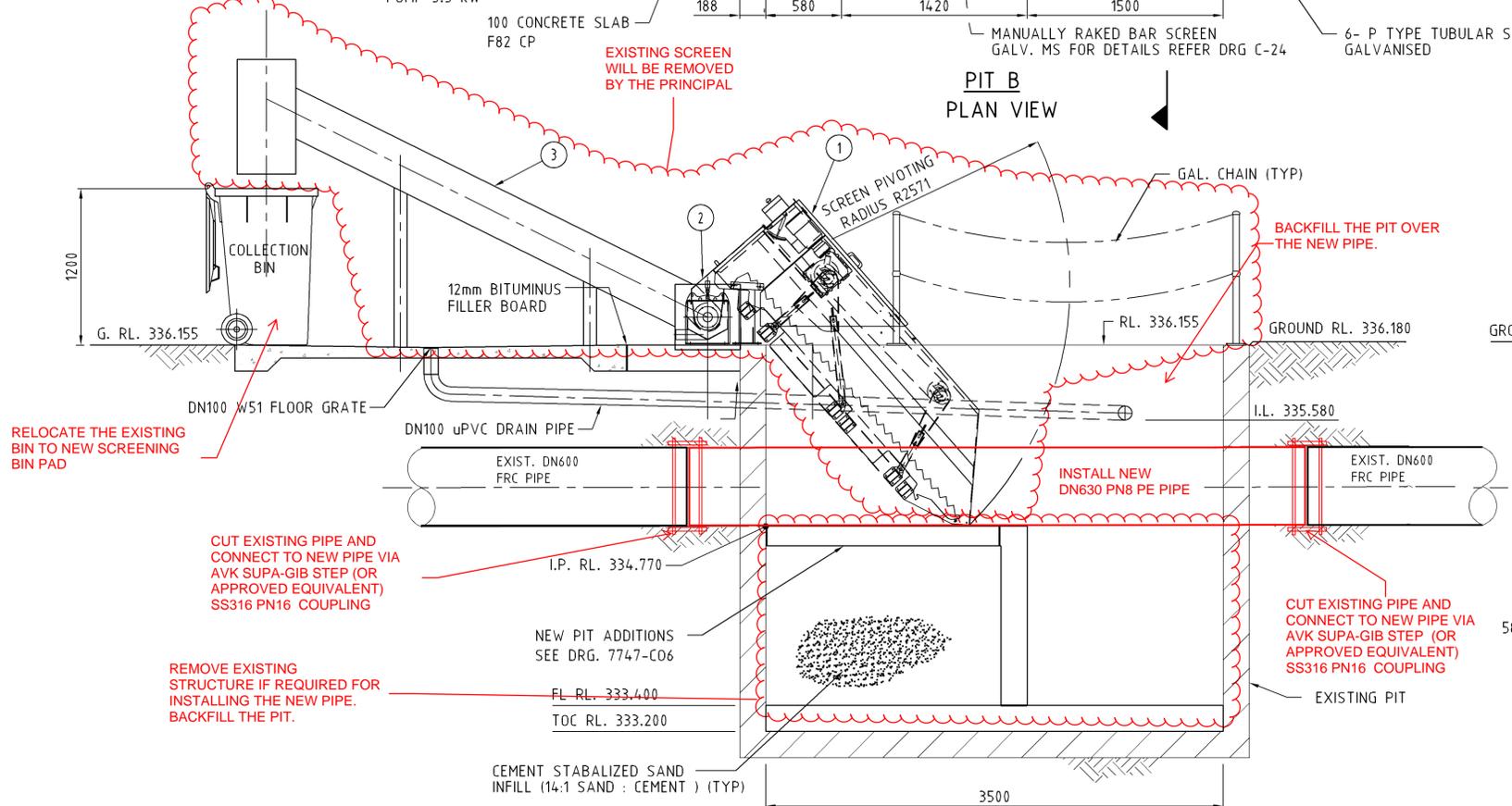
ISSUED FOR TENDER

0		01.03.24	ISSUED FOR TENDER	BD	MW	BD	GD	CKB				DRAWN: BD CHECKED: MW DESIGNED: BD APPROVED: GD CLIENT: CITY OF KALGOORLIE	DATE: JAN. 2024 DATE: JAN. 2024 DATE: JAN. 2024 DATE: JAN. 2024	CITY OF KALGOORLIE-Boulder SOUTH BOULDER WWTP INLET WORKS OVERFLOW PIPE DETAILS	SCALE: AS NOTED DRG No: 1034-03-08-DWG-017 REV: 0
REV	DATE	REVISION DESCRIPTION		DRAWN	CHECKED	DESIGNED	APPROVED	CLIENT				WISE PROJECT NO. 1034-03-08	CLIENT: CITY OF KALGOORLIE	DATE: JAN. 2024 DATE: JAN. 2024 DATE: JAN. 2024 DATE: JAN. 2024	CITY OF KALGOORLIE-Boulder SOUTH BOULDER WWTP INLET WORKS OVERFLOW PIPE DETAILS



PIT B
PLAN VIEW

SECTION C



SECTION A

SECTION B

AS BUILT

1000 500 0 1000 2000 mm (1:25)

ITEM	DESCRIPTION	MAT'L	QTY	REMARKS
3	HOOGENDONK SPIRAL - U-320 Ø280, 320 PITCH, 3450 LG.	SS316	1	c/w SEW FA77B DV100M4 19 RPM 2.2 kW MOTOR
2	HOOGENDONK SPIRAL - SWP-280 Ø280, 320 PITCH, 2200 LG.	SS316	1	c/w SEW FA67B DT90L/4 18 RPM 1.5kW MOTOR
1	HOOGENDONK STEP SCREEN - HS2500 980 W 3 SLOTWIDTH	SS316	1	c/w SEW FA77DT100L54 16RPM 2.2 kW MOTOR

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
566						
810						

SURVEY BOOKS	VERTICAL DATUM AHD	DES CALC P.NENI	NORTH POINT
	COORDINATE SYS NONE	DES CHD P.NENI	
	DES REF	DRN N.MORENO	
		Q.C. CHD P.NENI	

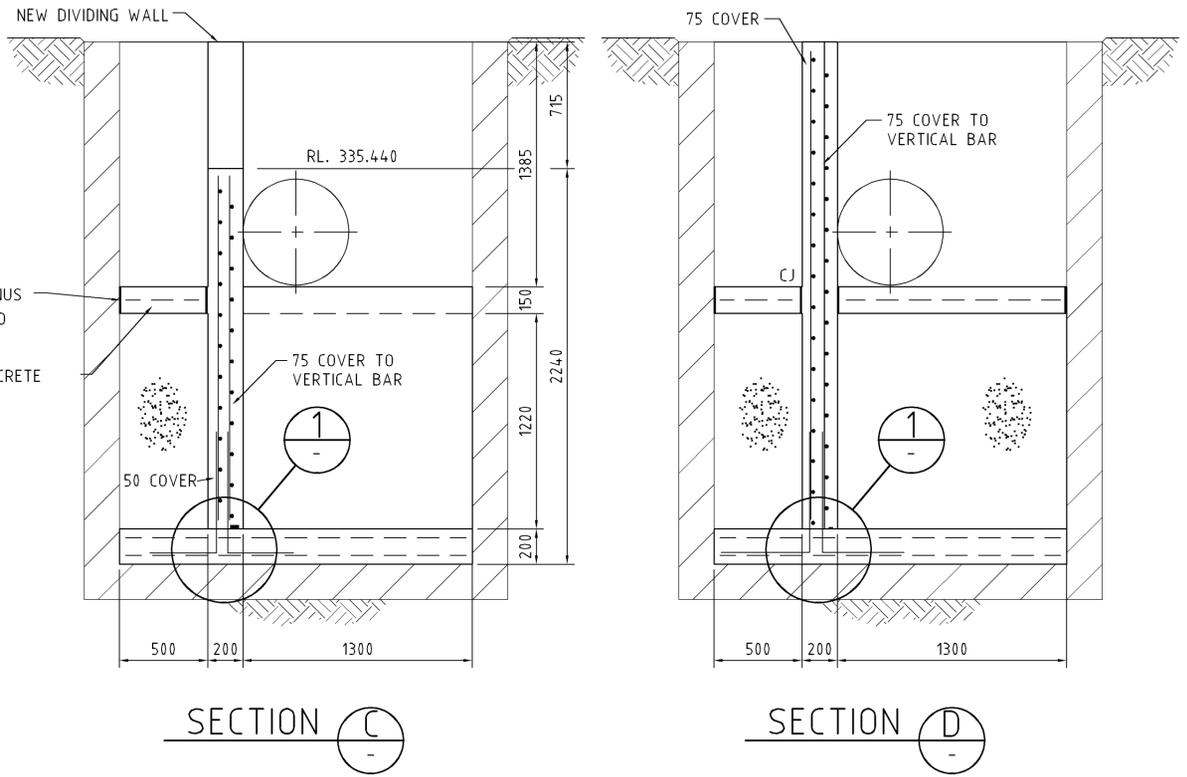
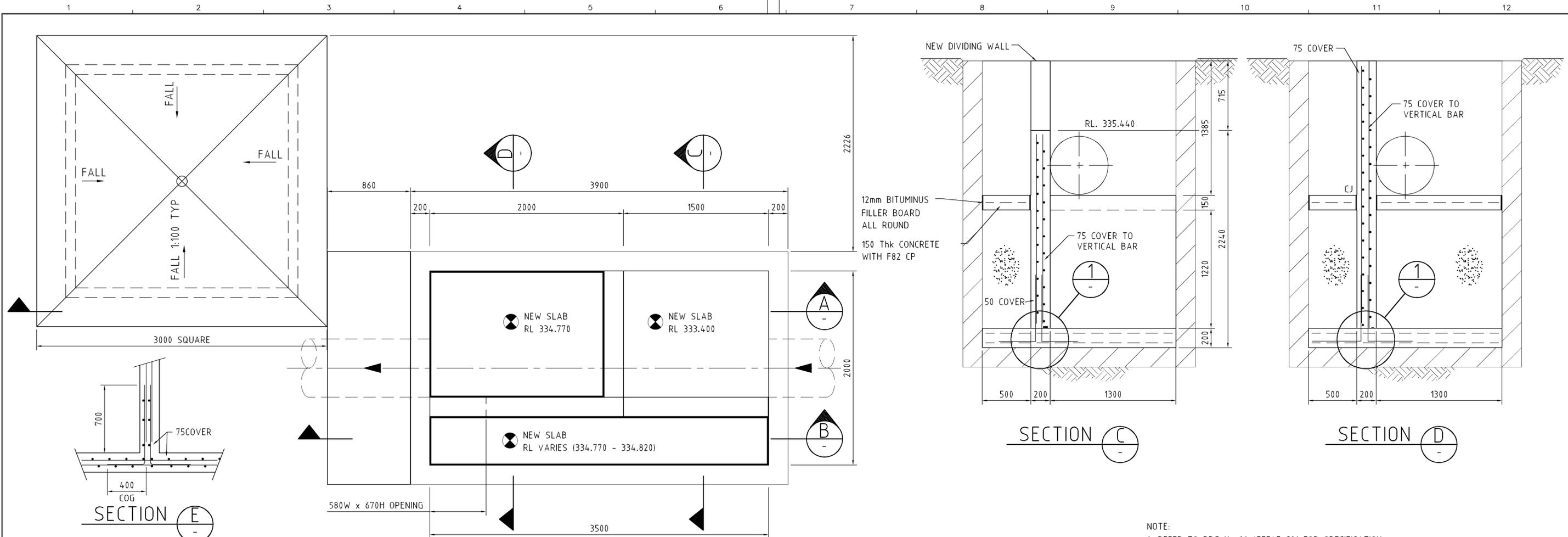
Simon Engineering Australia SEA DRAWING No.	Simon Engineering (Australia) Pty. Limited Water & Wastewater 33 Pool Street North, NORTH RIDE NSW 2113 P.O. Box 364, NORTH RIDE NSW 1670 Ph: 61 2 9887 4300 Fax: 61 2 9878 5762 ABN 77 000 117 000
--	--

FOR CROSS REFERENCE BETWEEN WC AND SEA DRAWING NUMBERS SEE DRG FY88-0-1

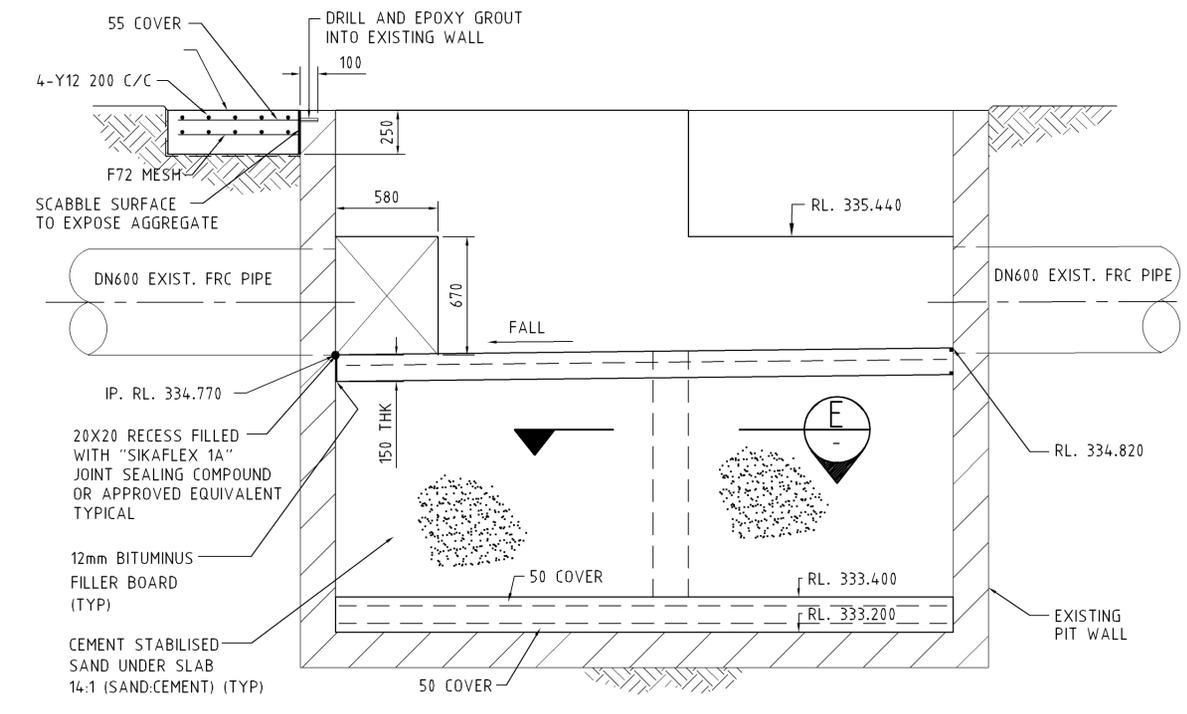
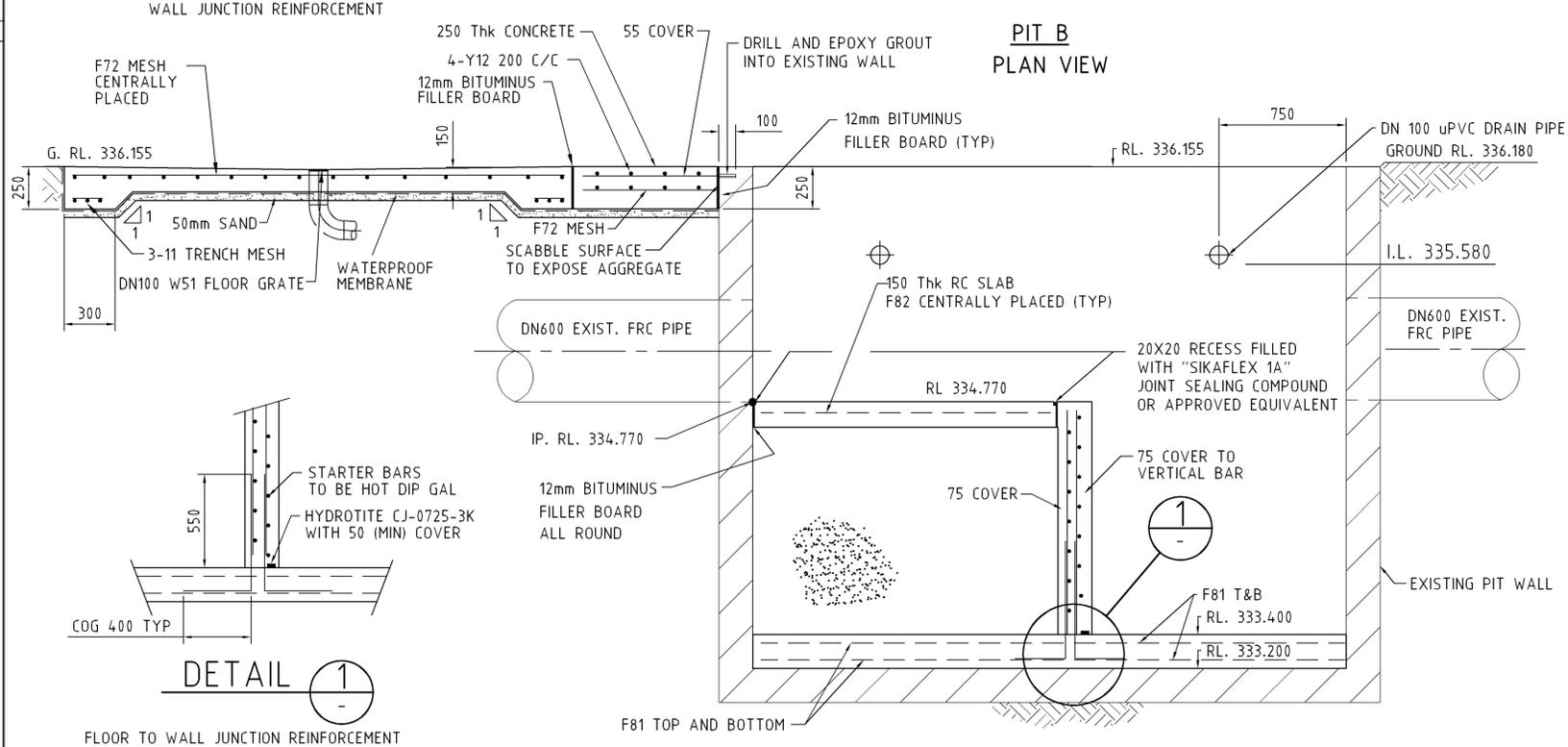
RECOMMENDED 07/05/2001 P.NENI DESIGN MANAGER
APPROVED 20/09/2001 R.ANDERSON TECHNICAL SERVICES MANAGER



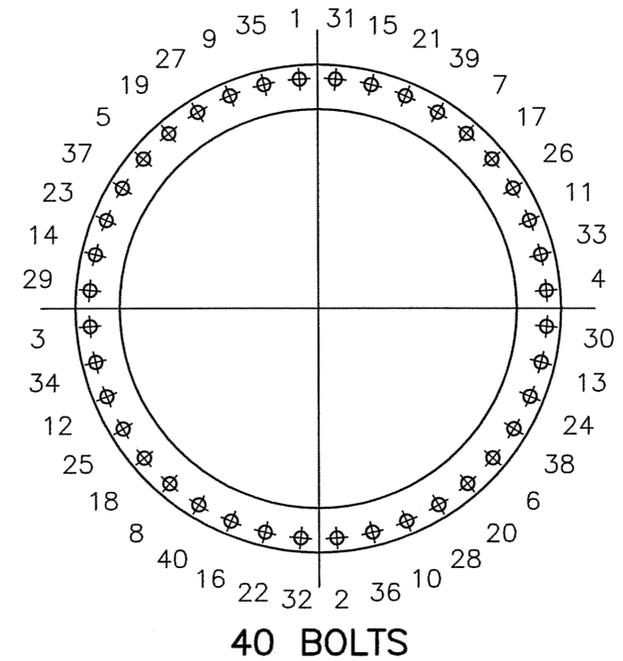
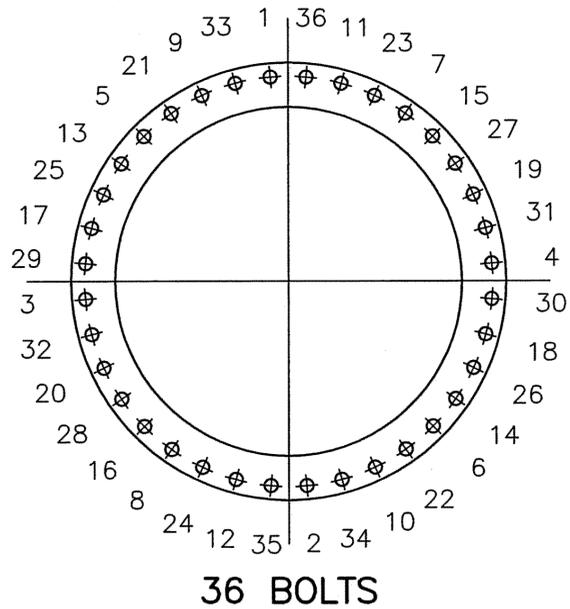
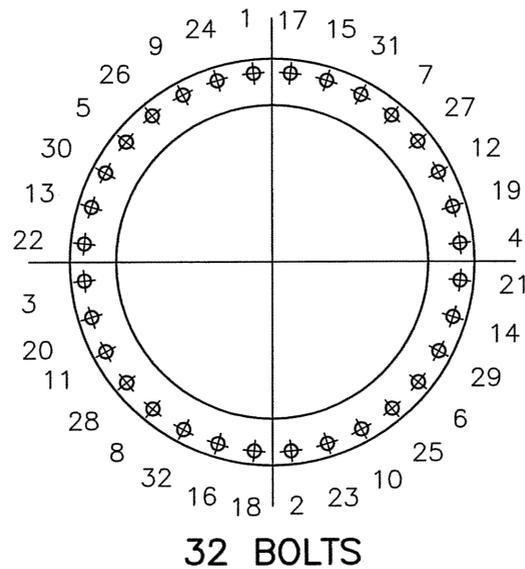
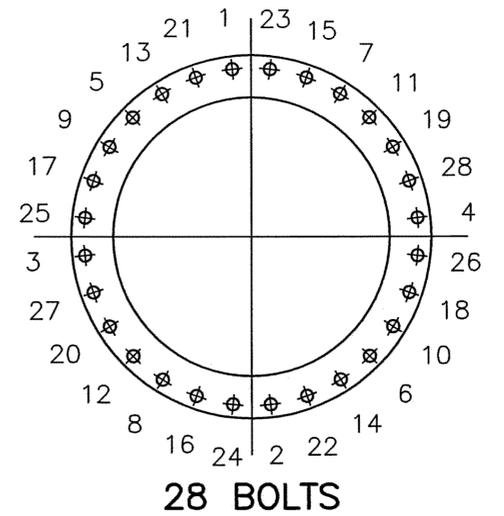
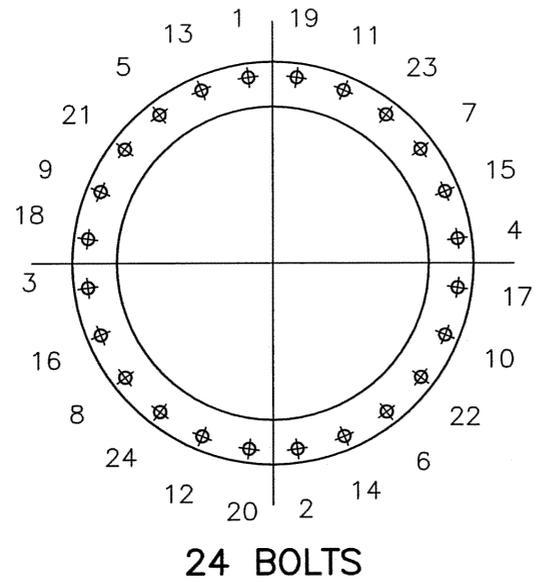
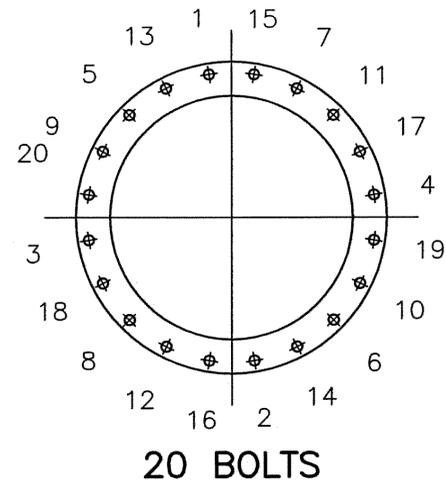
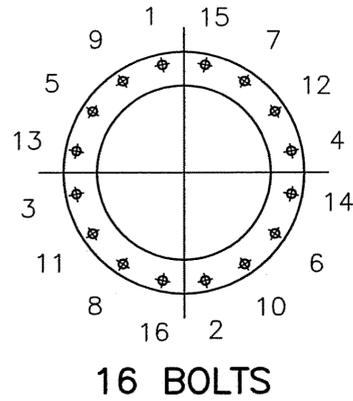
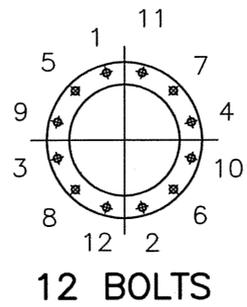
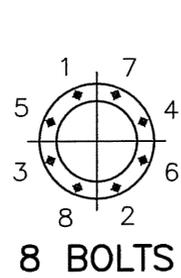
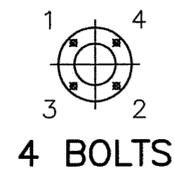
KALGOORLIE WASTEWATER TREATMENT PLANT - UPGRADE 2001 ROTOSCREEN & SWP - GENERAL ARRANGEMENT SHEET 1 OF 2				ORIGINAL SHEET SIZE A1
FILE	PLAN	CAD	ISSUE	
PROJECT 7747			A	
FY88-3-1				



NOTE:
 1. REFER TO DRG No 01-657747-C01 FOR SPECIFICATION
 2. REINFORCEMENT TO BE Y12 @ 175 C/C EACH WAY EACH FACE (TYP) U.N.O
 3. C.J: CONSTRUCTION JOINT



ISSUE	DATE	GRID	REVISION	DRN	REC	APPD	SURVEY BOOKS	VERTICAL DATUM AHD	DES CALC P.NENI	NORTH POINT	Simon Engineering (Australia) Pty. Limited Water & Wastewater 33 Pool Street North, NORTH RIDE NSW 2113 P.O. Box 364, NORTH RIDE NSW 1670 Ph: 61 2 9887 4300 Fax: 61 2 9878 5762 ABN 77 000 117 000	FOR CROSS REFERENCE BETWEEN WC AND SEA DRAWING NUMBERS SEE DRG FY88-0-1	RECOMMENDED 07/05/2001 P.NENI DESIGN MANAGER	APPROVED 20/09/2001 R.ANDERSON TECHNICAL SERVICES MANAGER	WATER CORPORATION	KALGOORLIE WASTEWATER TREATMENT PLANT - UPGRADE 2001 ROTO SCREEN PIT - STRUCTURAL DETAILS	ORIGINAL SHEET SIZE A1	
566								COORDINATE SYS NONE	DES CHD P.NENI		Australia SEA DRAWING No.	7747-C06-1				FILE PROJECT 7747	PLAN FY88-3-2	CAD ISSUE A MF



G	10/2008		NOTE 1 & SHEET TITLE REVISED	AC	FFFF	JD
F	04/2007		TITLE LINE 2 & 40 BOLTS DIAGRAM ADDED ALSO GENERAL NOTES REVISED & TORQUE TABLE DELETED	AC	FF	JD
ISSUE	DATE	GRID	REVISION	DRN	REC	APPD



NOTE :

1. THE DESIGNER SHALL REFER TO DS38-03 FLANGE BOLTING FOR TORQUE AND PROCEDURES.

DES CALC
W7070
DES CHD

DRN
J.THOMPSON
Q.C. CHD
R.CHESTER

RECOMMENDED 23/11/1994
M.SHARPE (SIGNED)
JOB MANAGER

APPROVED 23/11/1994
F.HEWETT (SIGNED)
PROJECT DIRECTOR



WATER CORPORATION
PIPE FITTINGS STANDARD - DS 65
FLANGE BOLT TIGHTENING SEQUENCE



FILE A18869
PROJECT

PLAN

AY58-17-1

CAD ISSUE

G

ORIGINAL SHEET SIZE

A3

MF 17/10/08