ESR HORSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORSLEY PARK CIVIL WORKS DRAWINGS FOR SSDA

DRAWING LIST

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$\left\{ \right.$	DRAWING NO. Co12990.05-SSDA10	DRAWING TITLE DRAWING LIST & GENERAL NOTES
ł	Co12990.05-SSDA20	EROSION SEDIMENT CONTROL PLAN
{	Co12990.05-SSDA25	EROSION SEDIMENT CONTROL PLAN DETAILS
{	Co12990.05-SSDA40	STORMWATER MANAGEMENT KEY PLAN
Ş	Co12990.05-SSDA41	LOT 201 STORMWATER DRAINAGE PLAN
Ş	Co12990.05-SSDA42	LOT 202 STORMWATER DRAINAGE PLAN
8	Co12990.05-SSDA43	LOT 203 STORMWATER DRAINAGE PLAN
8	Co12990.05-SSDA44	LOT 204 STORMWATER DRAINAGE PLAN
Ş	Co12990.05-SSDA45	STORMWATER DRAINAGE DETAILS - SHEET
ζ	Co12990.05-SSDA46	STORMWATER DRAINAGE DETAILS - SHEET
ζ	Co12990.05-SSDA47	STORMWATER DRAINAGE DETAILS - SHEET
ł	Co12990.05-SSDA48	STORMWATER DRAINAGE DETAILS - SHEET
Ę	Co12990.05-SSDA50	FINISHED LEVELS KEY PLAN
Ş	Co12990.05-SSDA51	LOT 201 FINISHED LEVELS PLAN
ζ	Co12990.05-SSDA52	LOT 202 FINISHED LEVELS PLAN
ł	Co12990.05-SSDA53	LOT 203 FINISHED LEVELS PLAN
8	Co12990.05-SSDA54	LOT 204 FINISHED LEVELS PLAN
Ş	Co12990.05-SSDA61	LOT 201 OSD TANK DETAILS
ζ	Co12990.05-SSDA62	LOT 202 OSD TANK DETAILS
ł	Co12990.05-SSDA63	LOT 203 OSD TANK DETAILS
8	Co12990.05-SSDA64	LOT 204 OSD TANK DETAILS – SHEET 1
Ś	Co12990.05-SSDA65	LOT 204 OSD TANK DETAILS – SHEET 2
Σ.		

EROSION CONTROL NOTES:

ALL CONTROL WORK INCLUDING DIVERSION BANKS AND CATCH DRAINS, V-DRAINS AND SILT FENCES SHALL BE COMPLETED DIRECTLY FOLLOWING THE COMPLETION OF THE EARTHWORKS

- SILT FENCES AND SILT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.
- HAY BALE BARRIERS AND GEOFABRIC FENCES ARE TO BE CONSTRUCTED TO TOE OF BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF VEGETATION AND BEFORE REMOVAL OF TOP SOIL.
- ALL TEMPORARY EARTH BERMS, DIVERSION AND SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED. SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- CLEAR WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING, TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE. APPROVED LOCATION.
- ALL FINAL FROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
- ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE EARTHWORKS.
- ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END OF EACH DAYS EARTHWORKS. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200mm.
- ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION
- AFTER REVEGETATION OF THE SITE IS COMPLETE AND THE SITE IS STABLE IN THE OPINION OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SILT FENCE DIVERSION DRAINS ETC SHALL BE REMOVED.
- ALL TOPSOIL STOCKPILES ARE TO BE SUITABLY COVERED TO THE SATISFACTION OF THE SITE MANAGER TO PREVENT WIND AND WATER EROSION.
- ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY SUCH DISTURBANCE.
- ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS APPROVED FOR SUCH USE BY THE ALL STOCKFILL STILLS STALL DE STOCKEUR AS AFFAULTED TO SUCH SUCH STOCKFILLS AND ANY STEEMAN AGER. A GEBUFFER ZONE SHALL EXIST BETWEEN STOCKFILE STES AND ANY STREAM OR FLOW PATH. ALL STOCKFILES SHALL BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE SURFOLINDING AREA BY USE OF THE MEASURES APPROVED IN THE EROSION AND SEDIMENTATION CONTROL PLAN.
- ACCESS AND EXIT AREAS SHALL INCLUDE SHAKE-DOWN OR OTHER METHODS APPROVED 15. BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FORM MOTOR VEHICLES.
- THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS BEFORE IT IS EITHER DISPERSED TO STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED ESCP / SWMP.

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SITE PREPARATION NOTES:

- ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL SPECIFICATIONS PROVIDED BY DOUGLAS PARTNERS (REF 76582.06.R.001) DATED MAY 2016.
- EXISTING LEVELS ARE BASED ON INFORMATION PREPARED BY CAILBRE FOR SUBDIVISION STAGES 2A & 2B.
- STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND DISPOSE OF FROM SITE OR STORE AS DIRECTED
- COMPLETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS AS INDICATED ON THE DRAWINGS WITHIN A TOLERANCE OF +0mm/-10mm THROUGH BUILDING PADS/PAVEMENTS AND +0mm/-20mm ELSEWHERE.
- PREPARE STEEP BATTERS TO RECEIVE FILL BY CONSTRUCTING BENCHING TO FACILITATE FILL PLACEMENT AND COMPACTION.
- AREAS TO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND AREAS IN CUT SHALL BE PROOF ROLLED TO IDENTIFY ANY SOFT HEAVING MATERIAL. SOFT MATERIAL SHALL BE BOXED OUT AND REMOVED PRIOR TO FILL PLACEMENT. PROOF ROLLING TO BE INSPECTED BY A GEOTECHNICAL ENGINEER OR THE EARTHWORKS DESIGNER.
- SITE WON FULL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILE SITE WORFILL SHALL BE LOWPACTED IN MAXIMUM SUMMILATERS AND TO DRY OR HILF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
- IMPORTED FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
- ALL ENGINEERED FILL PARTICLES SHALL BE ABLE TO BE INCORPORATED WITHIN A SINGLE ALL ENGINEERED FILL PARTICLES SHALL BE ABLE TO BE INCORPORATED WITHIN A SINGLE LAYER. FURTHER, LESS THAN 30% OF PARTICLES SHALL BE RETAINED ON THE 375 mm SIEVE. ENGINEERED FILL SHALL BE ABLE TO BE TESTED IN ACCORDANCE WITH THE STANDARD COMPACTION METHOD (AS1289.5.4.1) OR HILF TEST METHOD (AS1289.5.11). THESE METHODS REQUIRE LESS THAN 20% RETAINED ON THE 375 mm SIEVE. WHERE BETWEEN 20% AND 30% OF PARTICLES ARE RETAINED ON THE 375 mm SIEVE. THE ABOVE THESE METHODS CREQUIRE LESS THAN 20% RETAINED ON THE 375 mm SIEVE. THE ABOVE THESE METHODS CREATED AND ACCORDING THE ADD TEST METHODS SHALL STILL BE ADOPTED AND TEST REPORTS ANNOTATED APPROPRIATELY. THESE REQUIREMENTS SHOULD BE MET BY THE MATERIAL AFTER PLACEMENT AND COMPACTION.
- ALL THE EARTHWORKS UNDERTAKEN AND THE SUBGRADE CONDITION IN THE CUT AREAS 10 (IN THE STATED PERIOD) ARE DOCUMENTED IN THE REPORTS AND HAVE BEEN UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION.
- PRIOR TO ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
- 12. EXISTING ROCK, IF ANY, SHALL BE REMOVED BY HEAVY ROCK BREAKING OR RIPPING
- 13 MATCH EXISTING LEVELS AT BATTER INTEREACE.
- CONTRACTOR TO MATCH EXISTING LEVELS AT THE INTEREACE OF EARTHWORKS AND CUNITAGING TO MALTOR EXISTING LEVELS AT THE INTERFACE OF EAR THWORKS AND EXISTING SURFACE AT BATTER LOCATIONS OR WHERE NO RETAINING WALLS ARE PRESENT. ANY DISCREPANCY BETWEEN DESIGN AND EXISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION OR ADJUSTMENTS TO DESIGN LEVELS.

GENERAL NOTES

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANT'S DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPARCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION
- ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.
- DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN
- ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

ELECTRONIC INFORMATION NOTES:

- THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS
- THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MOBEL AND ITS SUBSEQUENT USE TO UNDERTARE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITA TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
- THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

STORMWATER DRAINAGE NOTES:

- ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3:2003 PLUMBING AND DRAINAGE, PART 3: STORMWATER DRAINAGE
- THE MINOR (PIPED) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 20 YEAR ARI STORM EVENT AND THE MAJOR (OVERLAND) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 100 YEAR ARI STORM EVENT.
- ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLANS SSD451 & SSD454
- PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE
- EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
- ALL STORMWATER PIPES Ø375 OR GREATER SHALL BE CLASS 2 (WITH HS2 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
- ALL PIPES UP TO AND INCLUDING Ø300 TO BE uPVC GRADE SN8 UNO. 7
- PIPE (LASS NOMINATED ARE FOR IN-SERVICE LOADING CONDITIONS ONLY, CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS REQUIRED FOR CONSTRUCTION CONDITION
- ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTERED IN WALL AND BASE. LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE $\rm F/c=25$ MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
- 10. IN ADDITION TO ITEM 6 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm
- PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS, PARTICULAR CARE SHALL BE TAKEN THES STALL BE LATOR AS FER FILE LATING DETAILS. FARTICULAR CARE STALL BE TALK TO ENSURE THAT THE PIPE IS FULLY AND VENLY SUPPORTED. RAM AND PACK FILLOR AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
- CONCRETE PIPES UNDER, OR WITHIN THE ZONE OF INFLUENCE OF PAVED AREAS SHALL BE LAID USING HS2 TYPE SUPPORT, AS A MINIMUM, IN ACCORDANCE WITH AS 3725. AGGREGATE BACKFILL SHALL NOT BE USED FOR PIPE BEDDING AND OR HAUNCH/SIDE 12.
- WHERE PIPE LINES ENTER PITS. PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED 13 Ø100 uPVC TO EACH SIDE OF PIPE.
- ALL SUBSOIL DRAINAGE LINES SHALL BE Ø100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR I IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM FILD OF LINE AND AT 300 MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT/LANDSCAPED INTERFACES, TO BEAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
- 15. ALL PIPE GRADES 1 IN 200 MINIMUM UNO.
- 16 PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm
- MIN. 600 COVER TO PIPE OBVERT BENEATH ROADS & MIN. 400 COVER BENEATH
- PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' U.N.O. 18.
- PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS 19. WHERE NO PITS ARE PRESENT
- DOWN PIPES (DP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE U.N.O. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL
- PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.

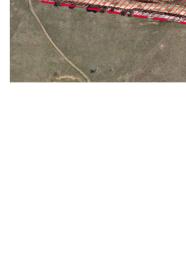
FINISHED LEVELS PLAN NOTES:

- 1. LEVELS DATUM IS A.H.D.
- ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS U.N.O. ON
- THE MAJOR CONTOUR INTERVAL IS 0.5m
- THE MINOR CONTOUR INTERVAL IS 0.1m
- MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%)
- MAXIMUM PAVEMENT GRADE IS TO BE 1:20 (5%) IN CARPARKING AREAS AND 1:25 (4%) FL SEWHER
- 7 MAXIMUM RAMP GRADES ARE TO BE 1:12 (8.3%) U.N.O. ON PLAN
- 8. PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGES GRADE EXCEDE 1:20 (5%)
- PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:3H
- ALL BATTER SLOPES WITH GRADES AT OR EXCEDING 1V:6H ARE TO BE TURFED IMMEDIATELY, OR APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.
- ALL FOOTPATHS ARE TO FALL AWAY FROM THE BUILDING AT 2.5% NOMINAL GRADE
- ALL PAVEMENTS ARE TO BE SET AT 50mm BELOW THE FINISHED FLOOR LEVEL OF THE WAREHOUSE AND OFFICE AREAS



Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 8 Windmill Street Walsh Bay, Sydney NSW 2000 Tet: (00) 5551-7609 Par. (02) 5241-3733







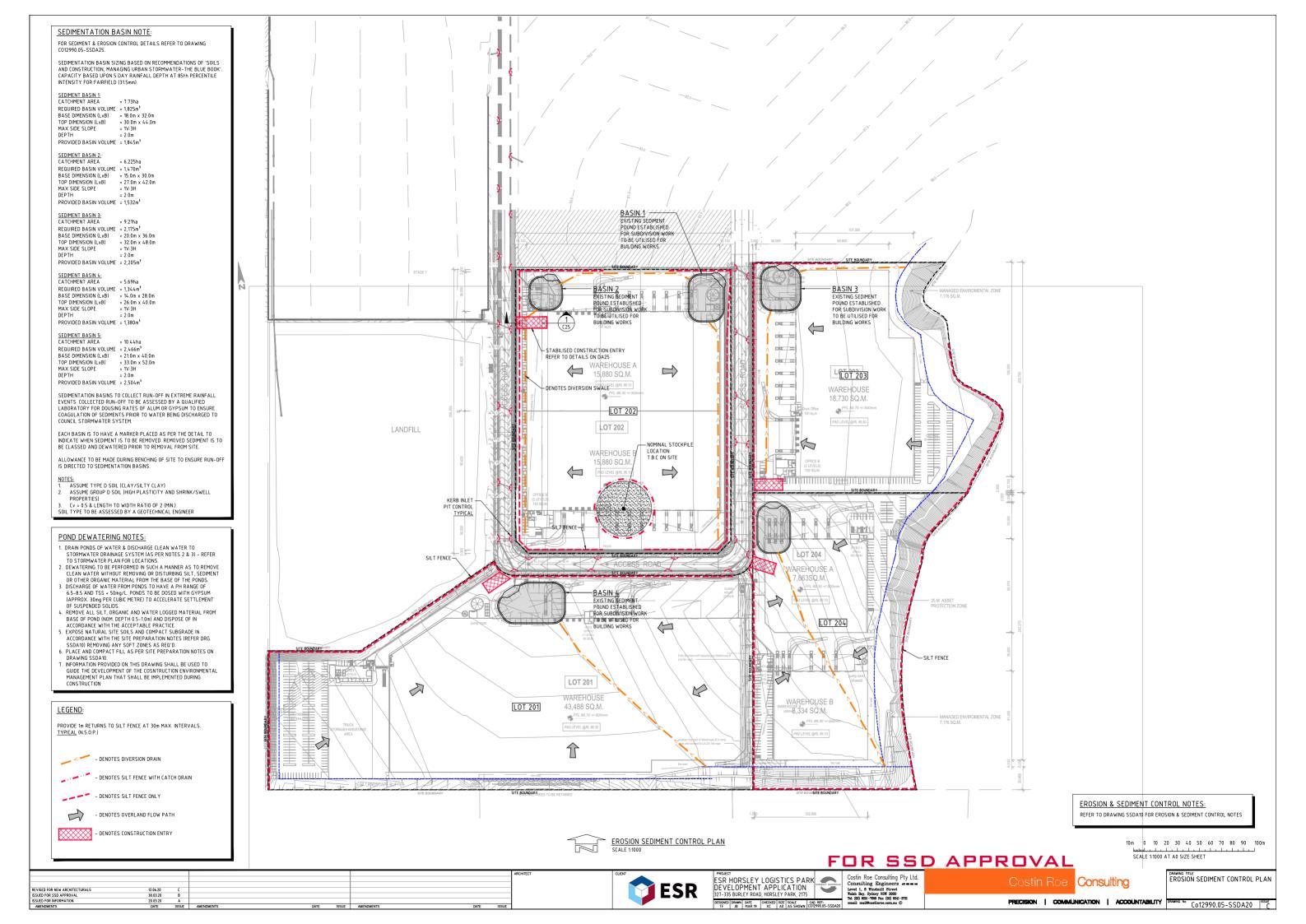


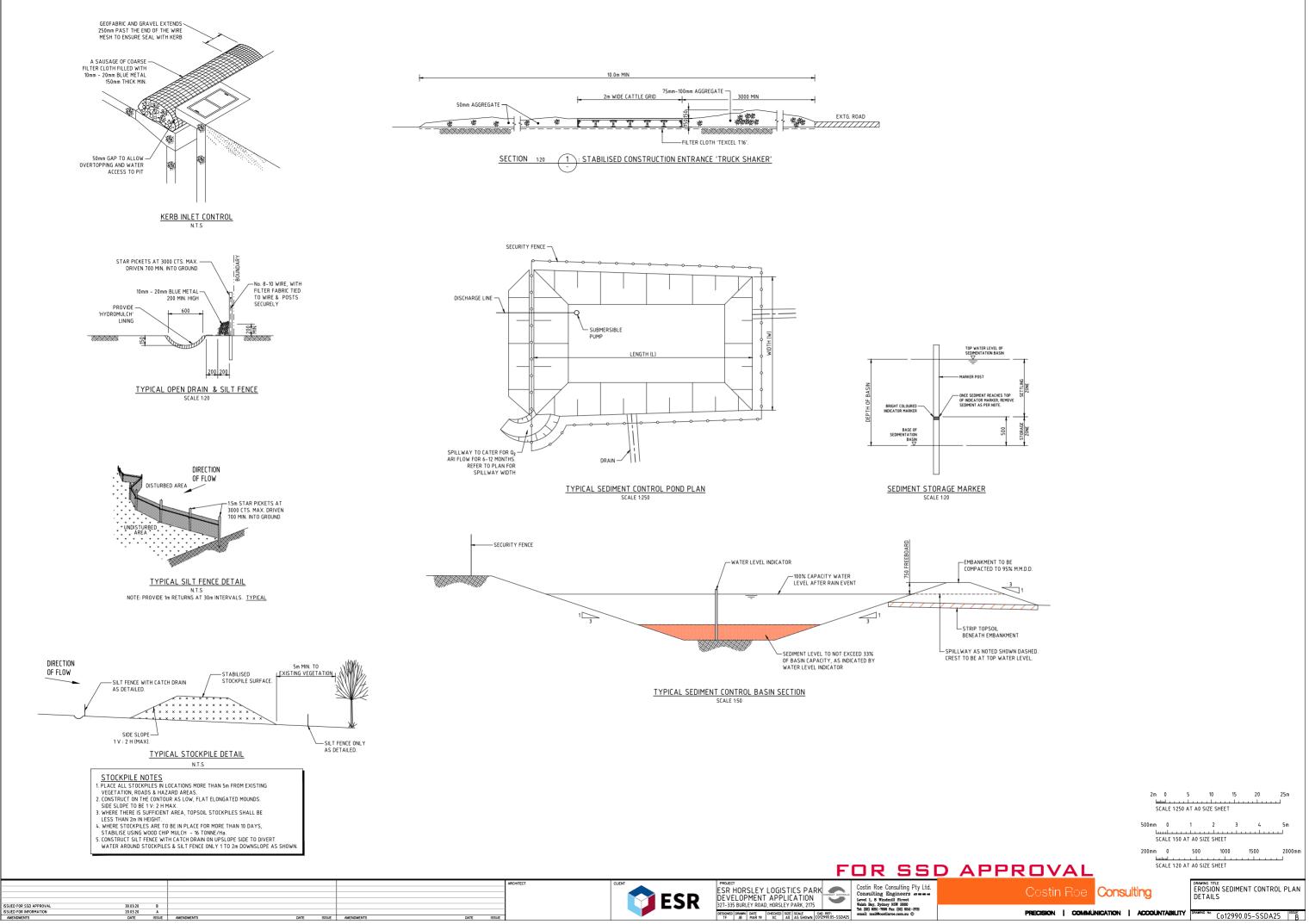
LOCALITY PLAN

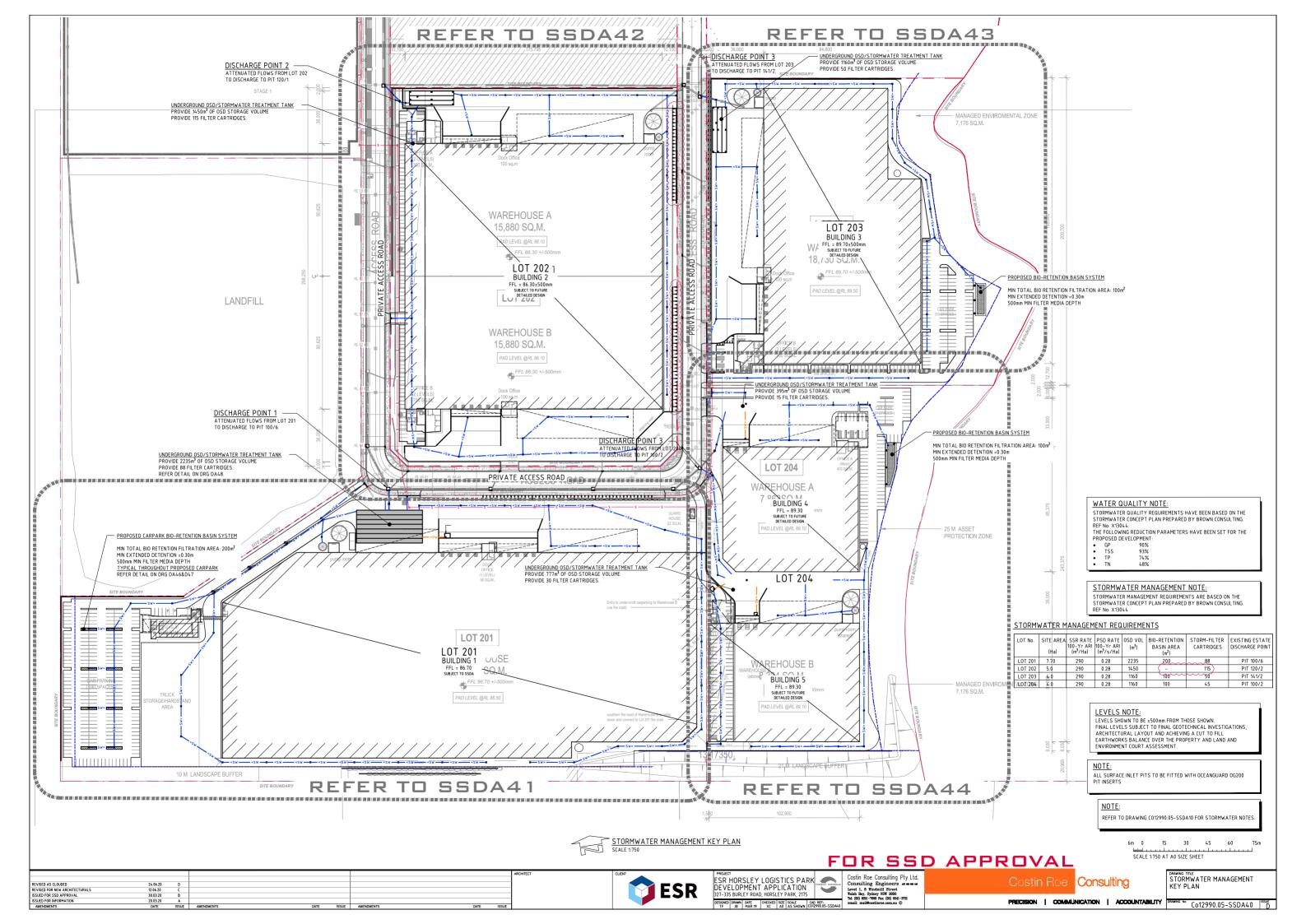


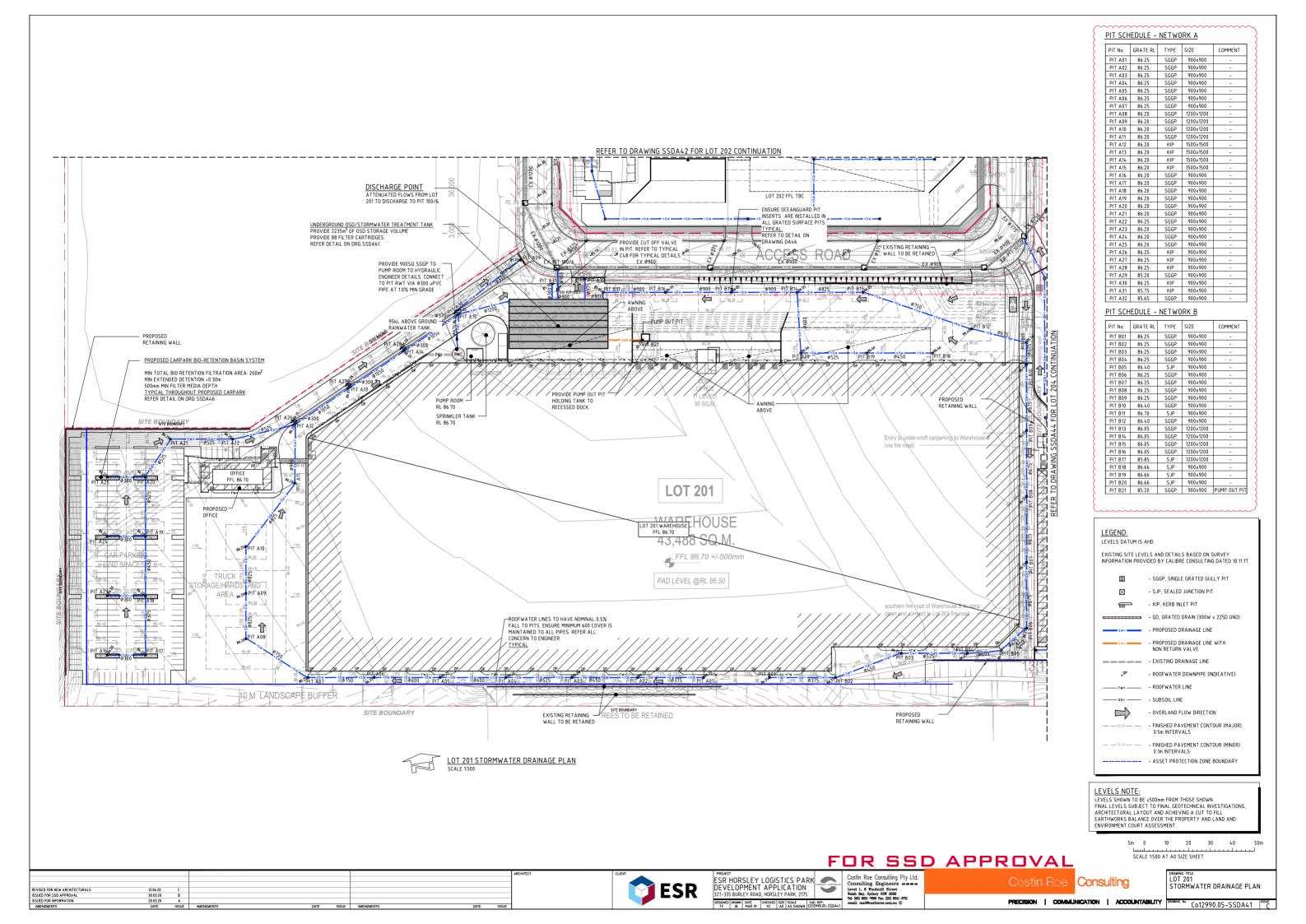
DRAWING TITLE DRAWING LIST & LOCALITY PLAN

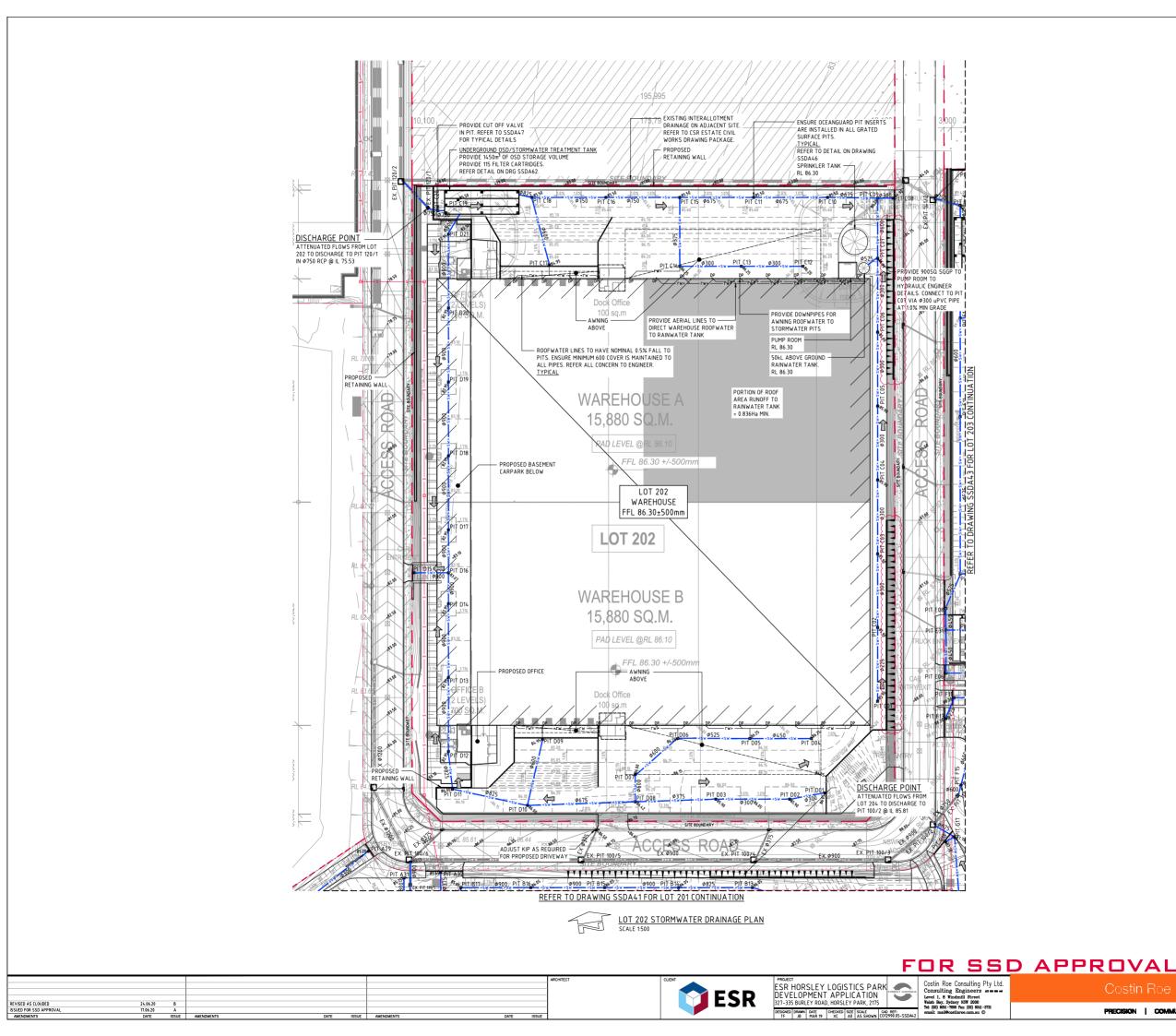
PRECISION | COMMUNICATION | ACCOUNTABILITY









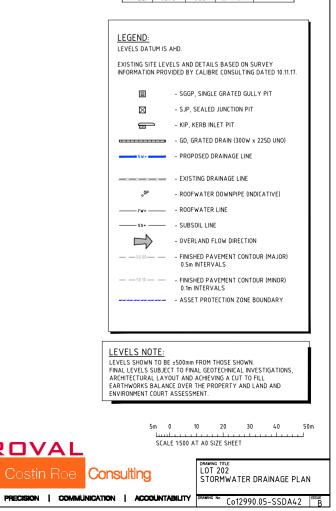


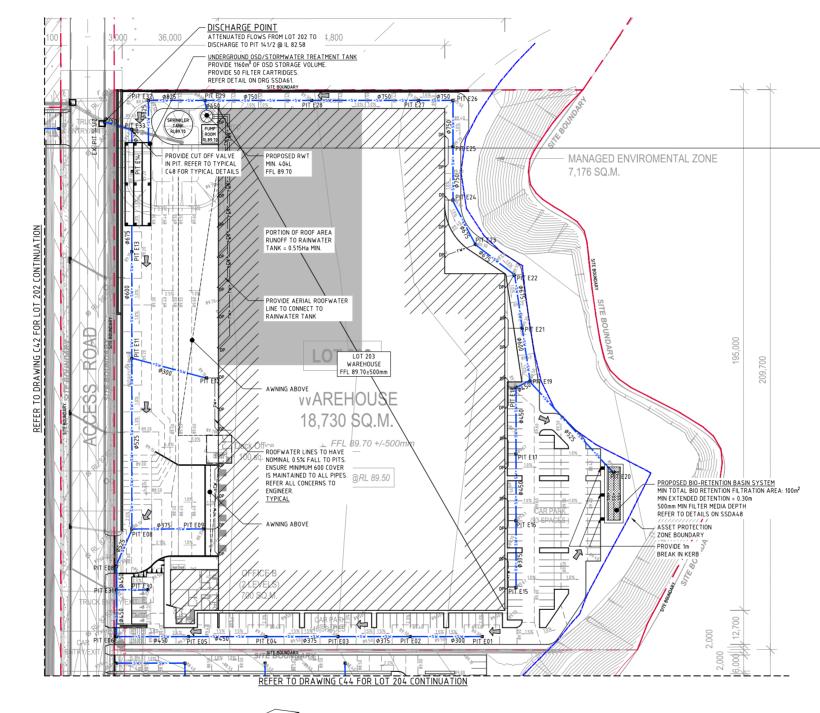
PIT SCHEDULE - NETWORK C

PIT No.	GRATE RL	TYPE	SIZE	COMMENT
PIT C01	85.90	SGGP	900x900	-
PIT CO2	85.90	SGGP	900×900	-
PIT C03	85.90	SGGP	900×900	-
PIT C04	85.90	SGGP	900×900	-
PIT C05	85.90	SGGP	900x900	-
PIT C06	85.90	SGGP	900×900	-
PIT C07	85.90	SGGP	900×900	-
PIT C08	84.90	SGGP	900×900	-
PIT C09	85.26	SJP	900×900	-
PIT C10	85.50	SGGP	900×900	-
PIT C11	85.50	SGGP	900×900	-
PIT C12	86.25	SJP	900×900	-
PIT C13	86.25	SJP	900×900	-
PIT C14	86.25	SJP	900×900	-
PIT C15	85.50	SGGP	900×900	-
PIT C16	85.50	SGGP	900×900	-
PIT C17	84.95	SGGP	900×900	-
PIT C18	85.50	SGGP	1200×1200	-
PIT C19	85.50	SGGP	900x900	-
PIT C20	85.62	SGGP	900x900	-

PIT SCHEDULE - NETWORK D

PIT No.	GRATE RL	TYPE	SIZE	COMMENT
PIT D01	86.05	SGGP	900x900	-
PIT D02	85.90	SGGP	900x900	-
PIT D03	85.90	SGGP	900x900	-
PIT D04	86.25	SJP	900x900	-
PIT D05	86.25	SJP	900x900	-
PIT D06	86.25	SJP	900x900	-
PIT D07	86.00	SGGP	900x900	-
PIT D08	86.42	SJP	900x900	-
PIT D09	84.95	SGGP	900x900	-
PIT D10	86.00	SGGP	1200×1200	-
PIT D11	86.00	SGGP	1200×1200	-
PIT D12	82.95	SGGP	1200×1200	-
PIT D13	82.95	SGGP	1200×1200	-
PIT D14	82.95	SGGP	1200×1200	-
PIT D15	82.10	SGGP	1200×1200	-
PIT D16	83.07	SJP	1200×1200	-
PIT D17	82.95	SGGP	1200×1200	-
PIT D18	82.95	SGGP	1200×1200	-
PIT D19	82.95	SGGP	1200×1200	-
PIT D20	82.95	SGGP	1200×1200	-
PIT D21	82.95	SGGP	1200×1200	-





LOT 203 STORMWATER DRAINAGE PLAN SCALE 1:500 M

ISSUED FOR SSD APPROVAL

AMENDMENTS

12.06.20 DATE

A ISSUE

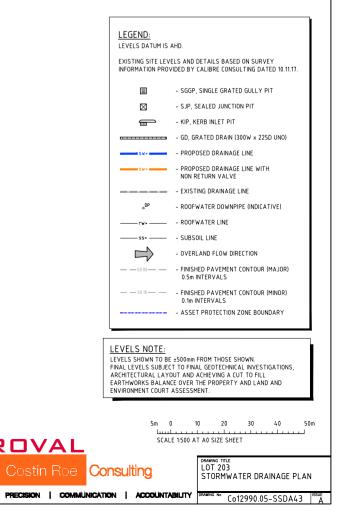
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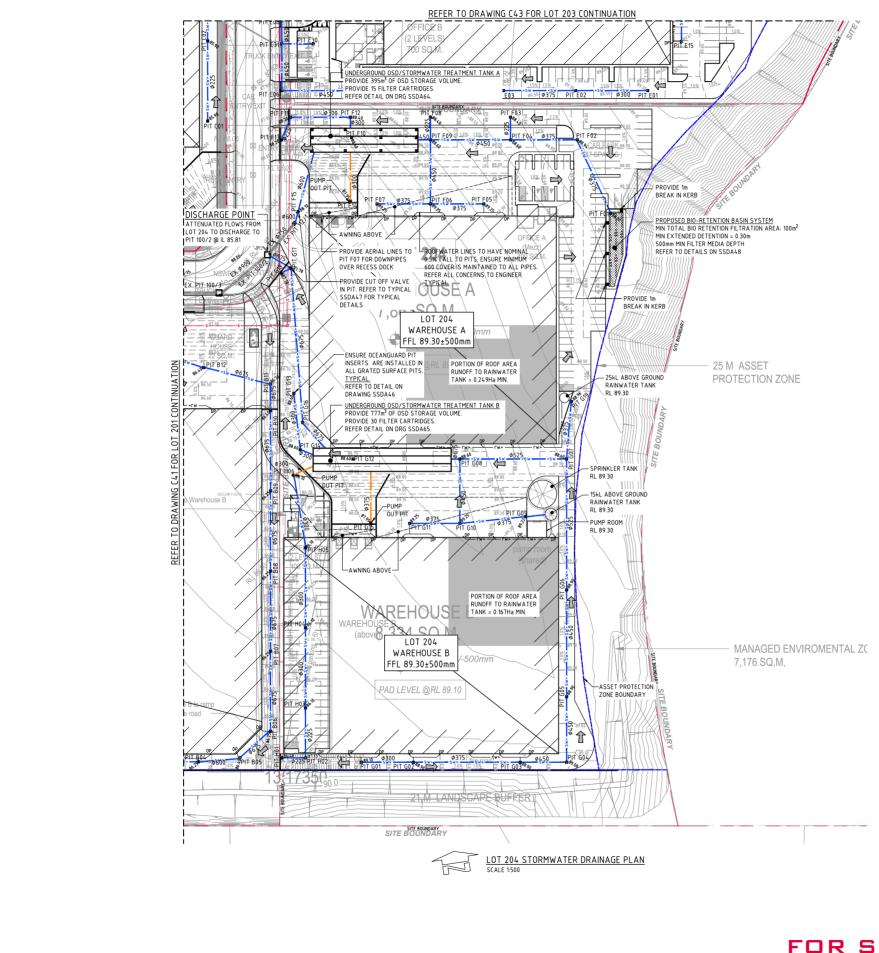
DESIGNED DRAWN DATE CHECKED SIZE SCALE CAD REF: TF JB MAR 19 XC A0 AS SHOWN C012990.05-SSDA43



PIT No.	GRATE RL	TYPE	SIZE	COMMENT	
PIT E01	89.30 SGGP		900×900	-	
PIT E02 89.30		SGGP	900×900	-	
PIT E03	89.30	SGGP	900x900	-	
PIT E04	89.30	SGGP	900×900	-	
PIT E05	89.30	SGGP	900x900	-	
PIT E06	88.13	SGGP	900x900	-	
PIT E07	87.80	SGGP	900×900	-	
PIT E08	88.10	SJP	900x900	-	
PIT E09	88.35	SGGP	900×900	-	
PIT E10	89.10	SGGP	900×900	-	
PIT E11	89.10	SGGP	900x900	-	
PIT E12	89.10	SGGP	900×900	-	
PIT E13	89.10	SGGP	900×900	-	
PIT E14	89.10	SGGP	900x900	-	
PIT E15	89.67	SJP	900×900	-	
PIT E16	89.67	SJP	900×900	-	
PIT E17 89.67		SJP	900x900	-	
PIT E18	89.59	SJP	900×900	-	
PIT E19	89.50	SJP	900×900	-	
PIT E20	89.00	SGGP	900x900	BASIN INLET PIT	
PIT E21	89.30	SGGP	900×900	-	
PIT E22	89.50	SJP	900×900	-	
PIT E23	89.30	SGGP	900×900	-	
PIT E24	89.50	SJP	900×900	-	
PIT E25	89.30	SGGP	900×900	-	
PIT E26	89.50	SJP	900×900	-	
PIT E27	89.30	SGGP	900x900	-	
PIT E28	89.30	SGGP	900x900	-	
PIT E29	89.30	SGGP	1200×1200	-	
PIT E30	89.35	SGGP	900x900	-	
PIT E31	88.30	SJP	900x900	-	
PIT E32	89.48	SGGP	1200x1200	-	
PIT E33	89.37	SGGP	900×900	CUT OFF VALVE	

PIT SCHEDULE - LOT 203





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AMENDMENT

19.06.20

A ISSUE

ESR

FOR SSD APPROVAL Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 8 Windmill Street Wahh Bay, Sydney NSW 2000 Tel: (02) SSAI-969 Par: (02) SSAI-9731 email: mail@costincec.com.au © ESR HORSLEY LOGISTICS PARK

IESICNED DRAMN DATE CHECKED SIZE SCALE CAD REF: TF JB MAR 19 XC A0 AS SHOWN C012990.05-SSDA4.4

PIT SCHEDULE - NETWORK F

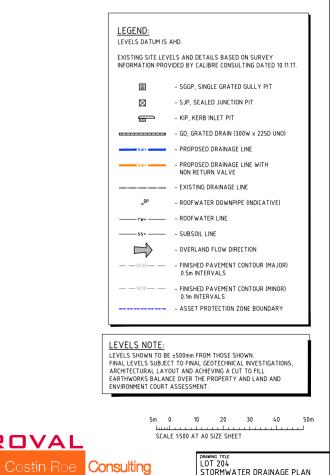
PIT No.	GRATE RL	TYPE	SIZE	COMMENT
PIT F01	88.30	SGGP	900×900	BASIN INLET PIT
PIT F02	88.94	SJP	900x900	-
PIT F03	88.40	SGGP	900×900	-
PIT F04	88.60	SGGP	900×900	-
PIT F05	89.25	SJP	900x900	-
PIT F06	89.25	SJP	900×900	-
PIT F07	89.25	SJP	900×900	-
PIT F08	88.40	SGGP	900×900	-
PIT F09	88.60	SGGP	900×900	-
PIT F10	88.60	SGGP	900×900	-
PIT F11	88.20	SGGP	900×900	-
PIT F12	88.40	SGGP	900×900	-
PIT F13	88.20	SGGP	900×900	-
PIT F14	87.95	SGGP	900×900	PUMP OUT PIT
PIT F15	88.10	SGGP	900×900	CUT OFF VALVE

PIT SCHEDULE - NETWORK G

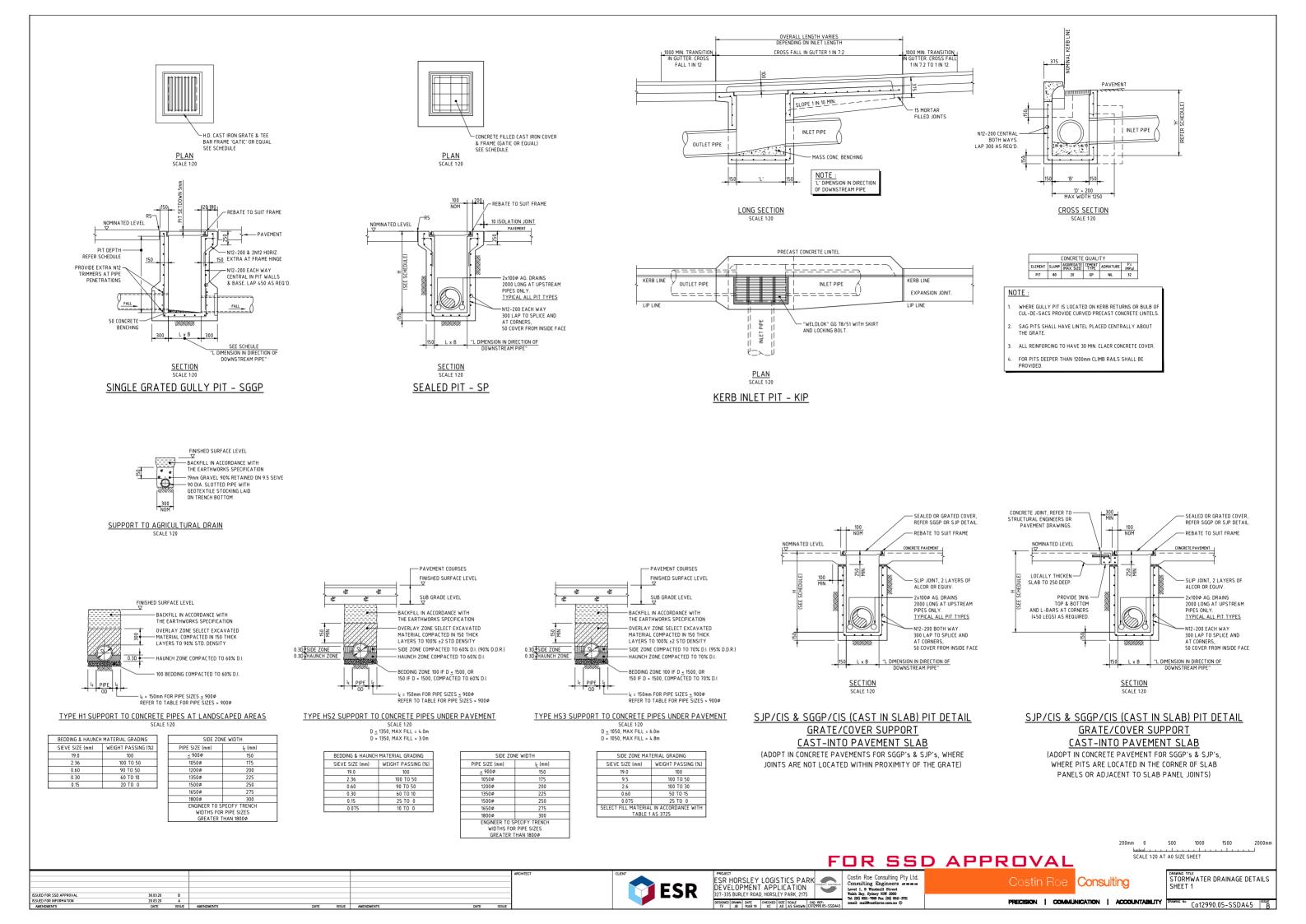
PIT No.	GRATE RL	TYPE	SIZE	COMMENT
PIT G01	89.10	SJP	900x900	-
PIT G02	88.90	SGGP	900×900	-
PIT G03	88.90	SGGP	900×900	-
PIT G04	89.08	SJP	900×900	-
PIT G05	88.90	SGGP	900×900	-
PIT G06	88.90	SGGP	900x900	-
PIT G07	88.60	SGGP	900×900	-
PIT G08	88.60	SGGP	900×900	-
PIT G09	89.22	SGGP	900x900	-
PIT G10	89.25	SJP	900×900	-
PIT G11	89.25	SJP	900×900	-
PIT G12	88.60	SGGP	900×900	-
PIT G13	88.60	SGGP	900×900	-
PIT G14	88.60	SGGP	900×900	-
PIT G15	87.95	SGGP	900×900	PUMP OUT PIT
PIT G16	88.75	SJP	900x900	-
PIT G17	87.78	SGGP	900×900	CUT OFF VALVE
PIT G18	87.78	SGGP	900×900	-
PIT G19	88.96	SGGP	900x900	-

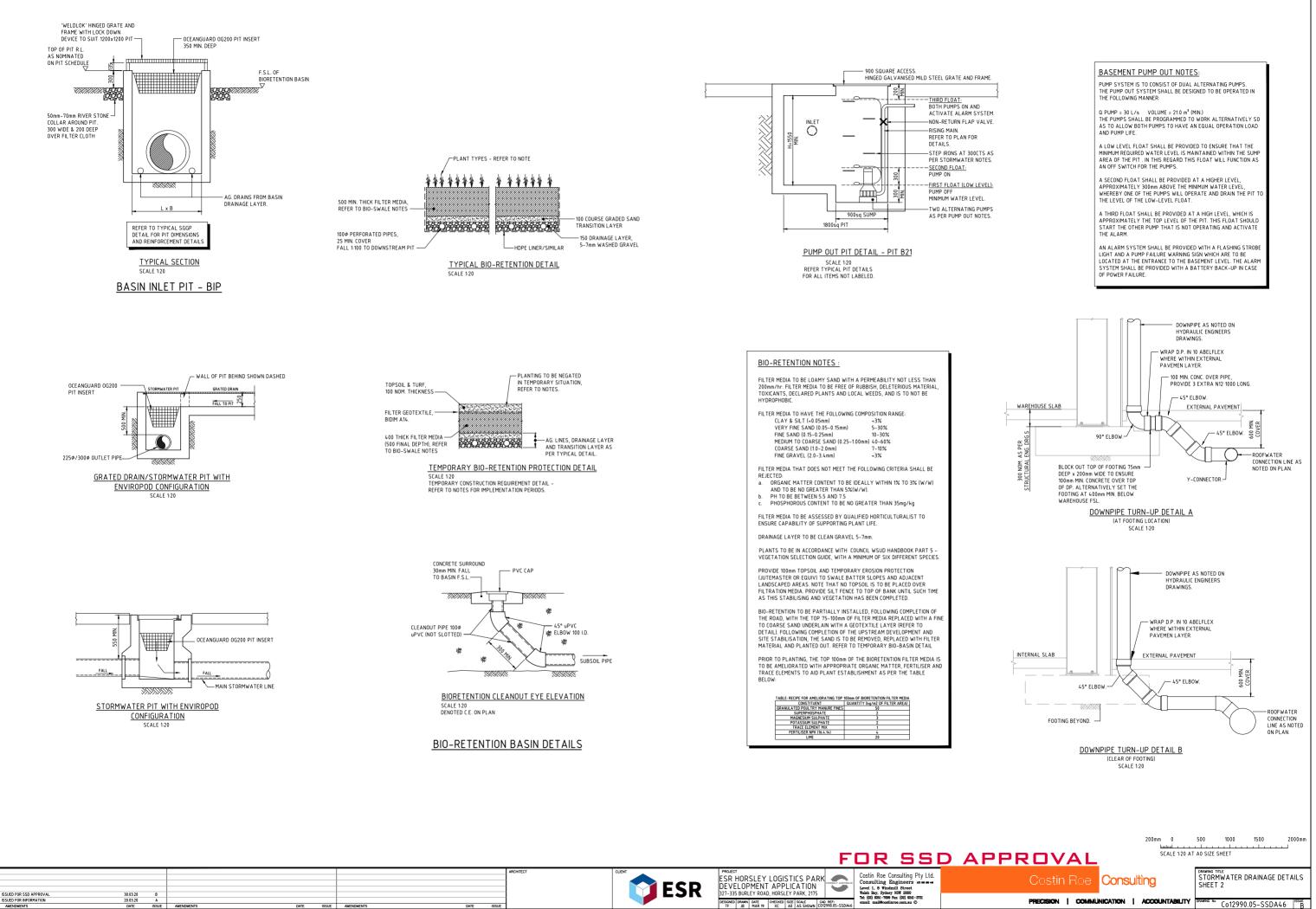
PIT SCHEDULE - NETWORK H

PIT No.	GRATE RL	TYPE	SIZE	COMMENT
PIT H01	86.40	SGGP	900×900	-
PIT H02	87.13	SJP	900×900	-
PIT H03	86.10	SGGP	900×900	-
PIT H04	86.10	SGGP	900×900	-
PIT H05	86.10	SGGP	900×900	-
PIT H06	86.10	SGGP	900×900	PUMP OUT PIT

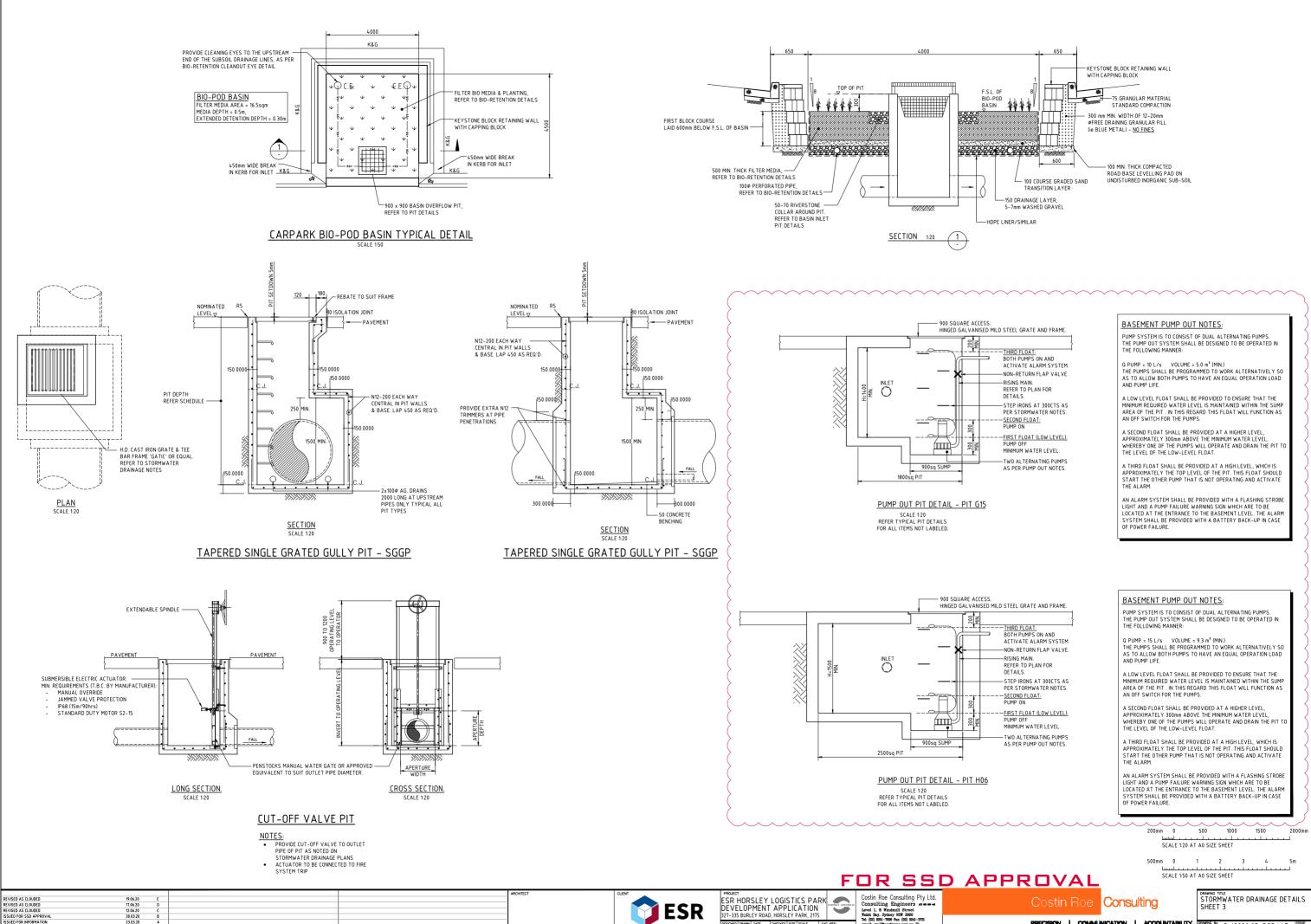


PRECISION | COMMUNICATION | ACCOUNTABILITY





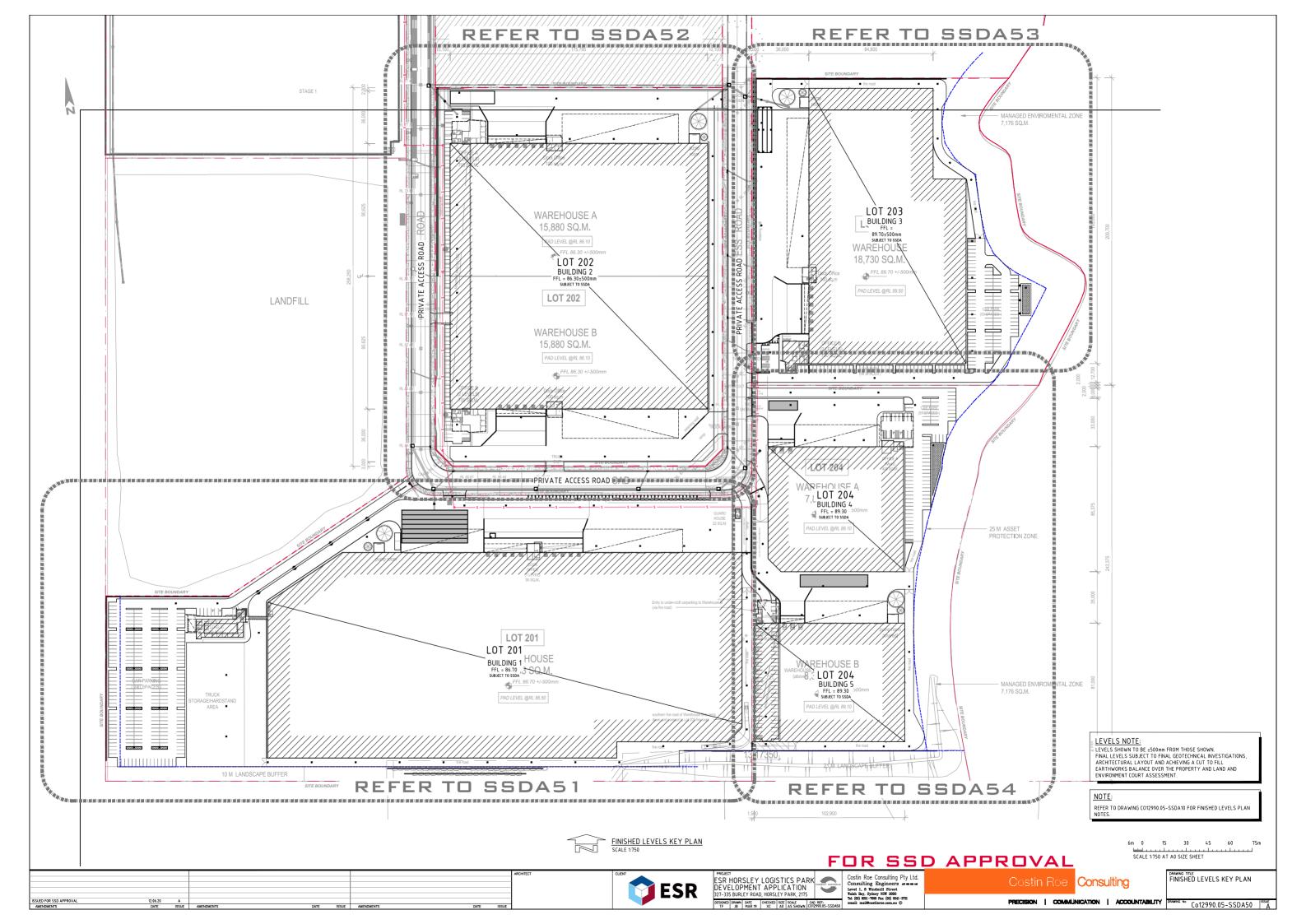
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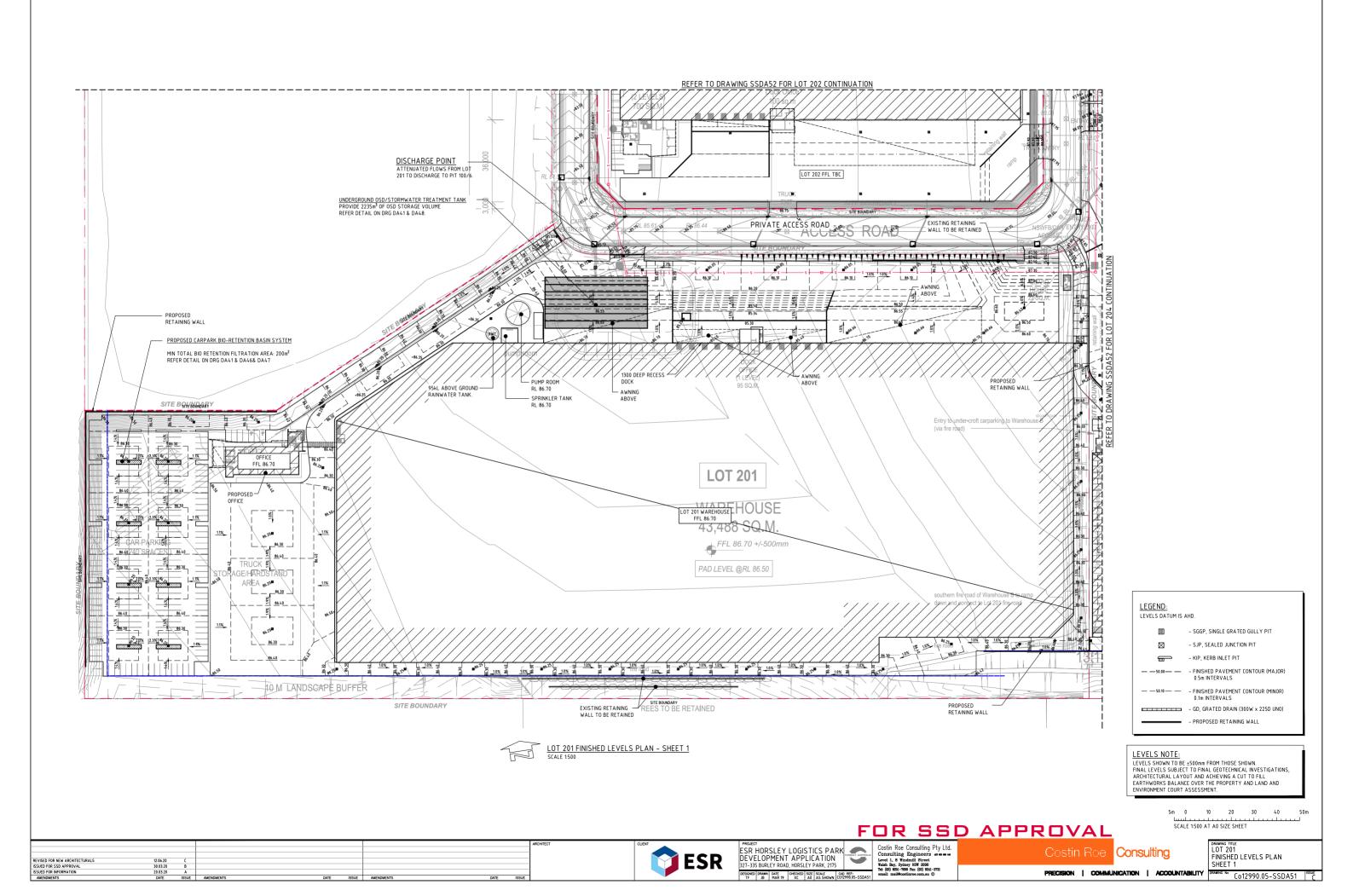


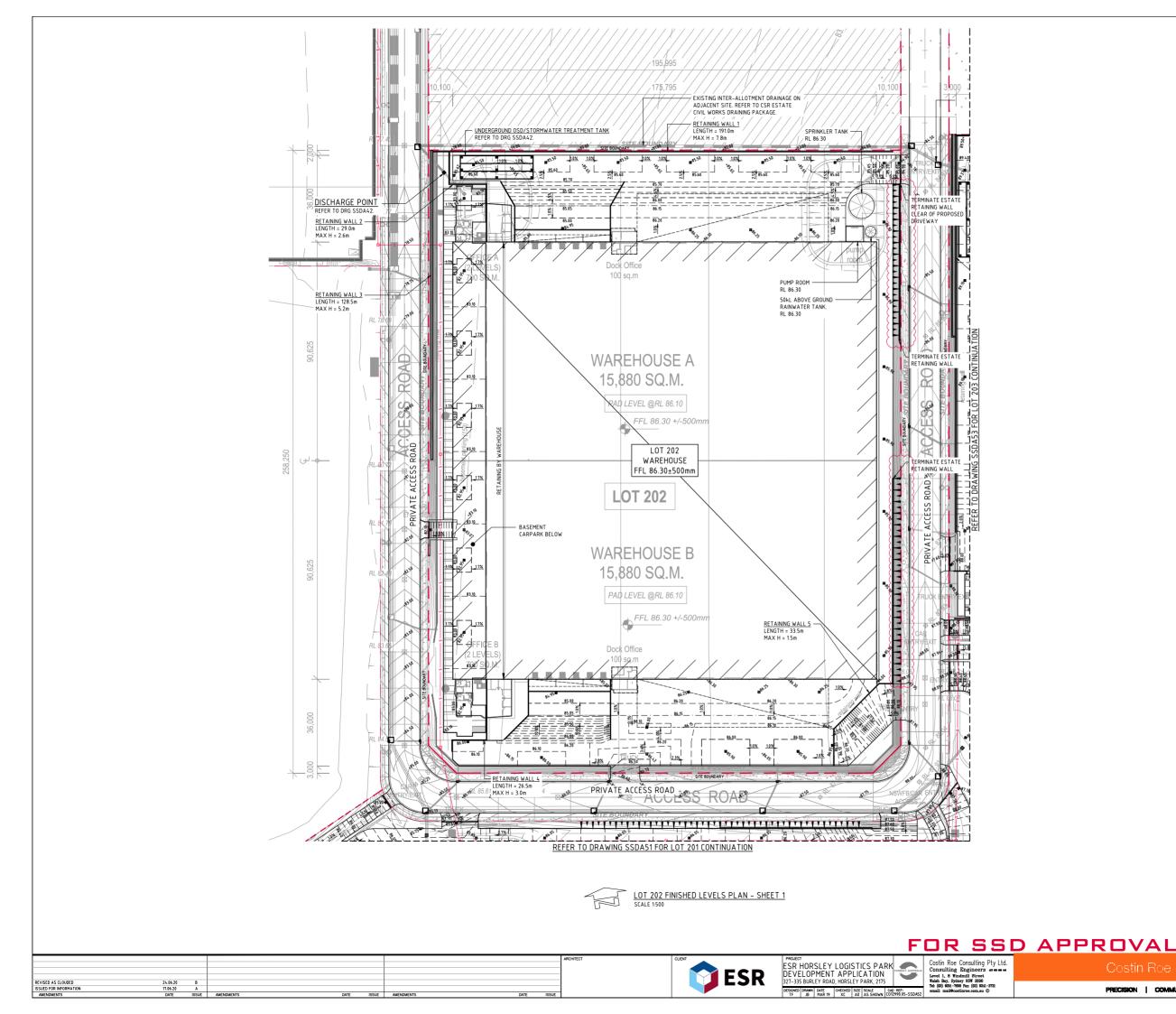
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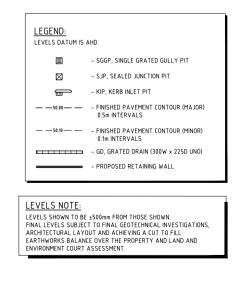
PRECISION | COMMUNICATION | ACCOUNTABILITY

Co12990.05-SSDA47

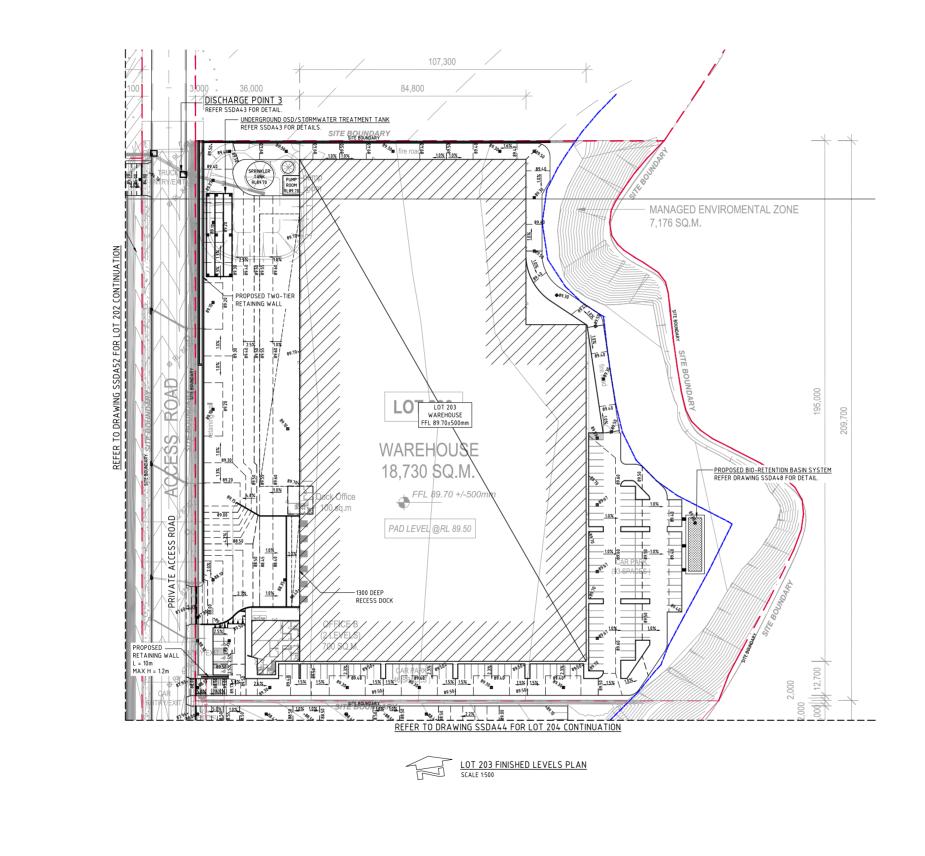




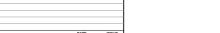








FOR SSD APPROVAL Costin Roe Consulting Pty Ltd. Consulting Engineers ===== Level 1, 8 Windmill Street Wahh Bay, Sydney NSW 2000 Tet (cg) 283-780 PAR (cg) 2841-3731 email: mail@costinroe.com.au ©



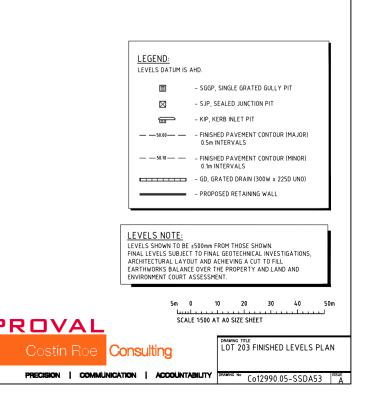
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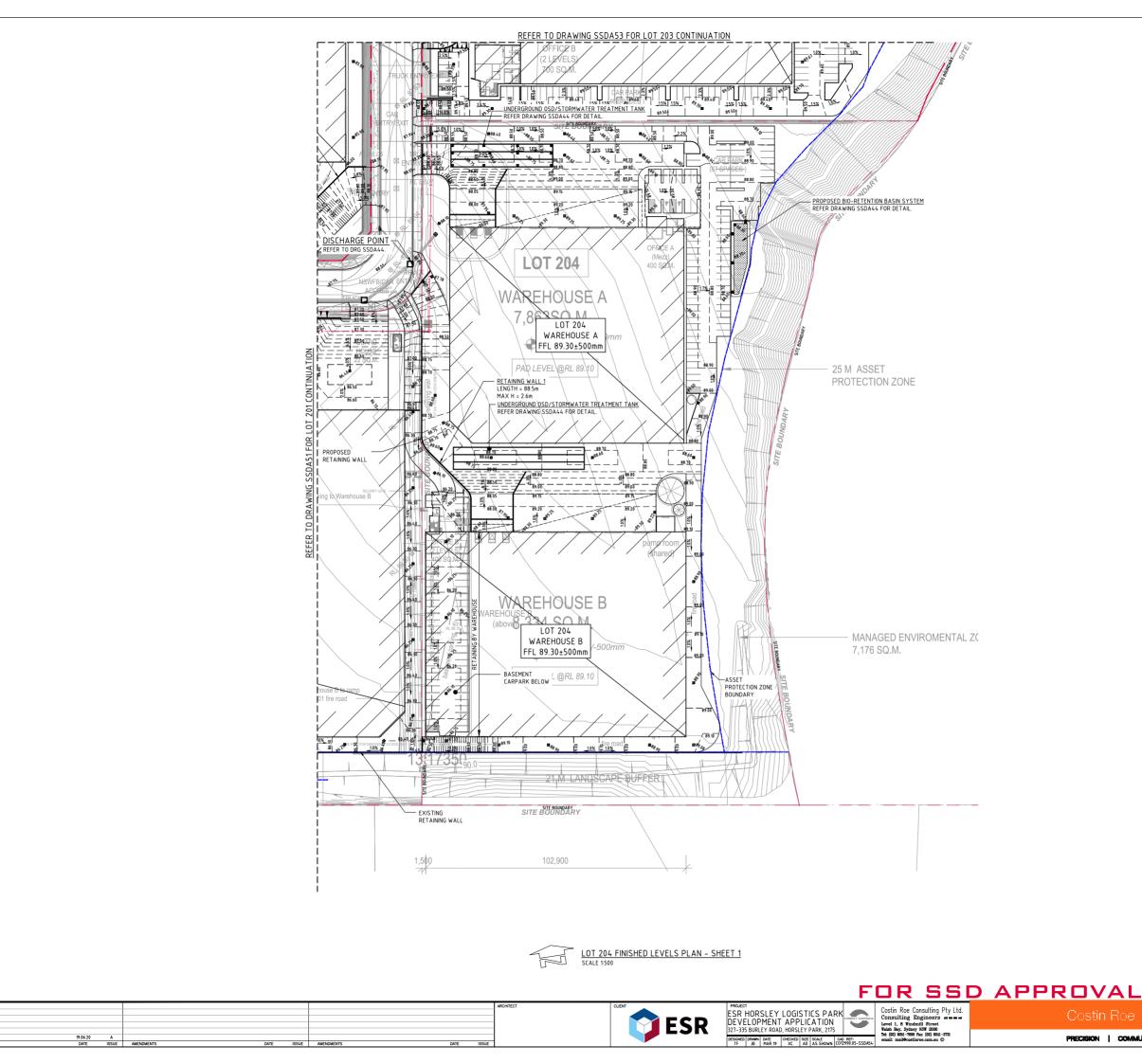
AMENDMENTS

12.06.20 DATE

A ISSUE

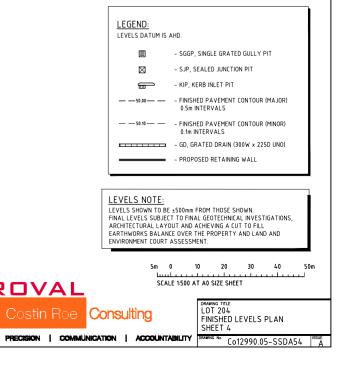


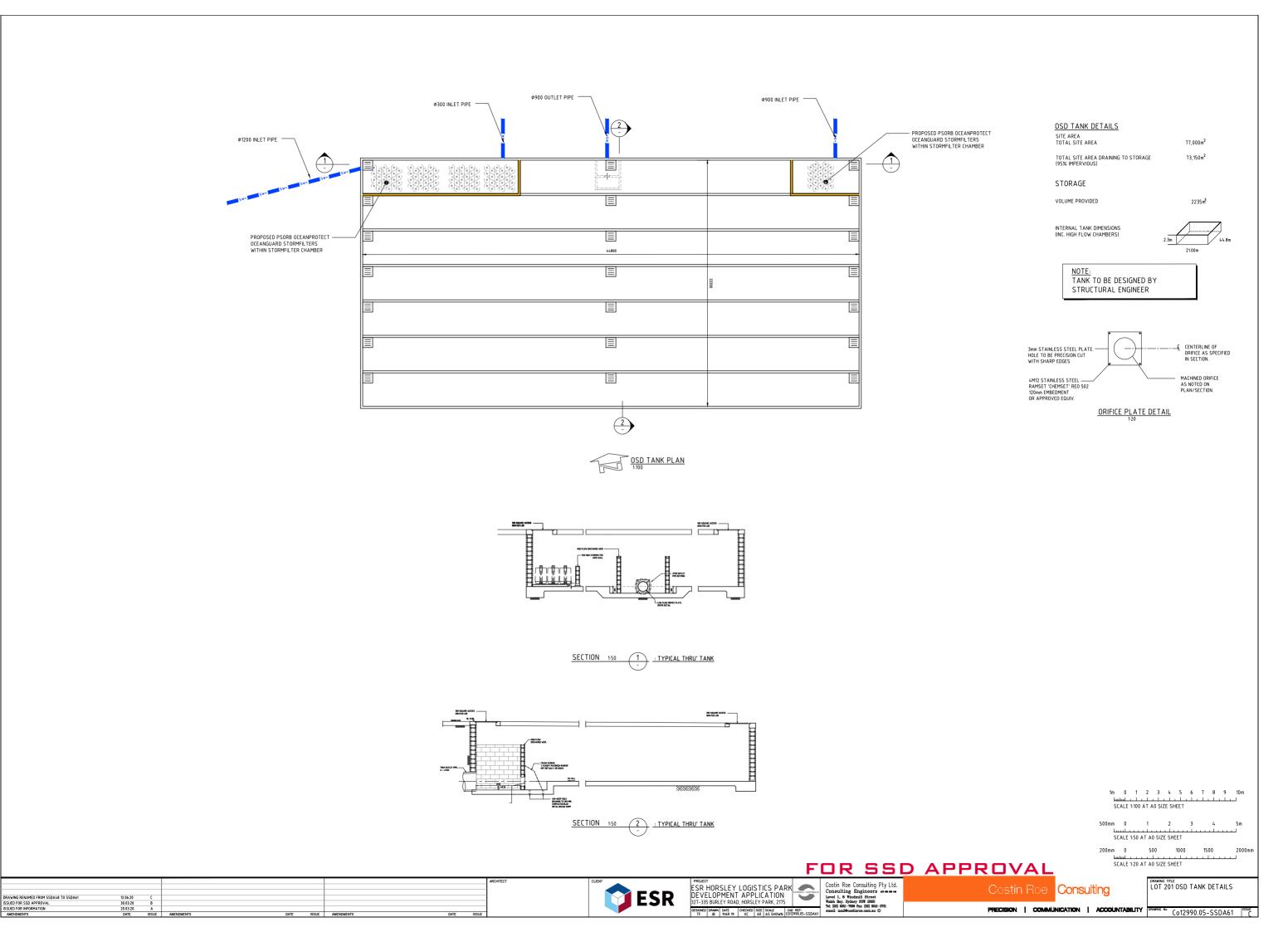


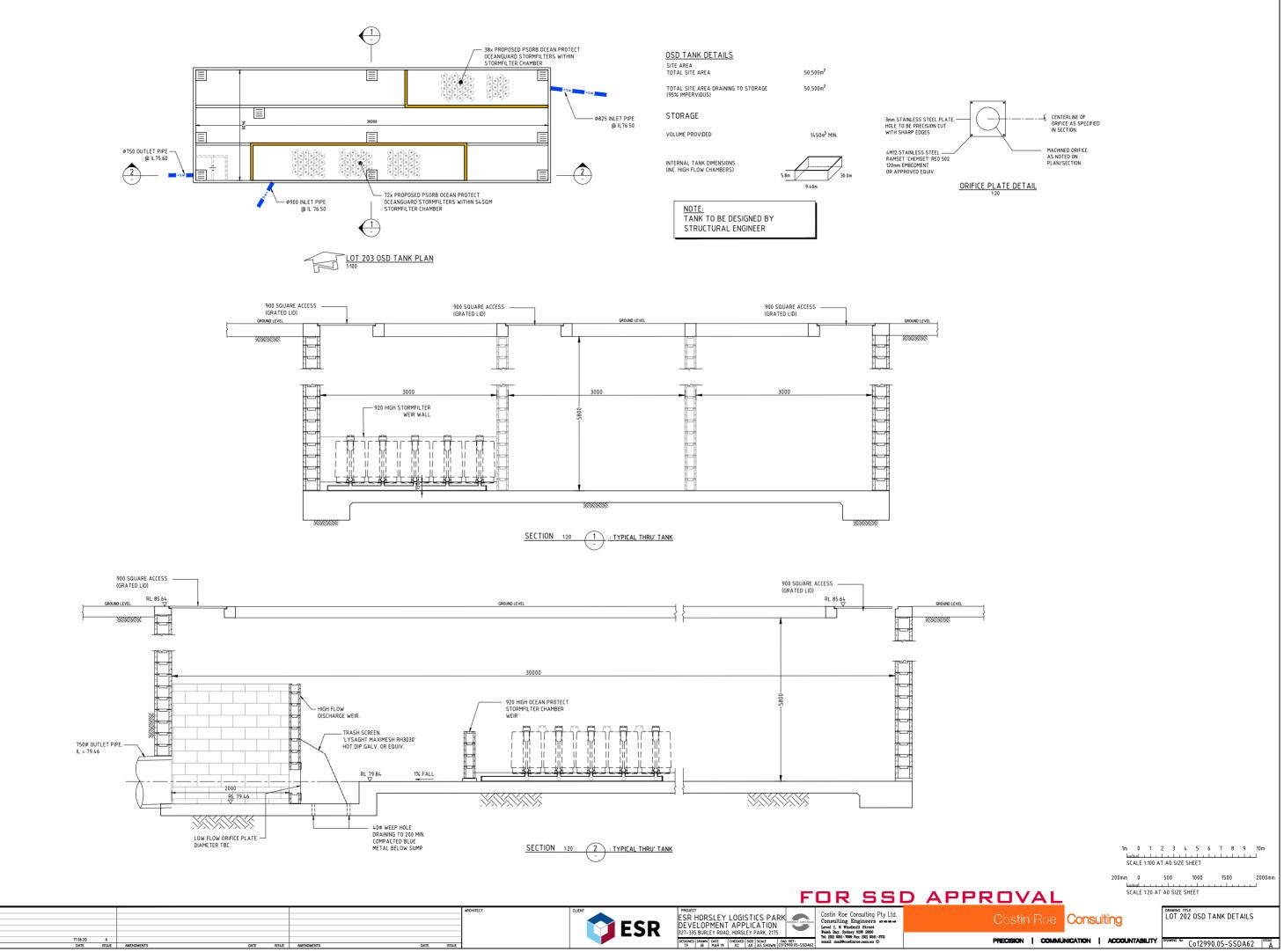


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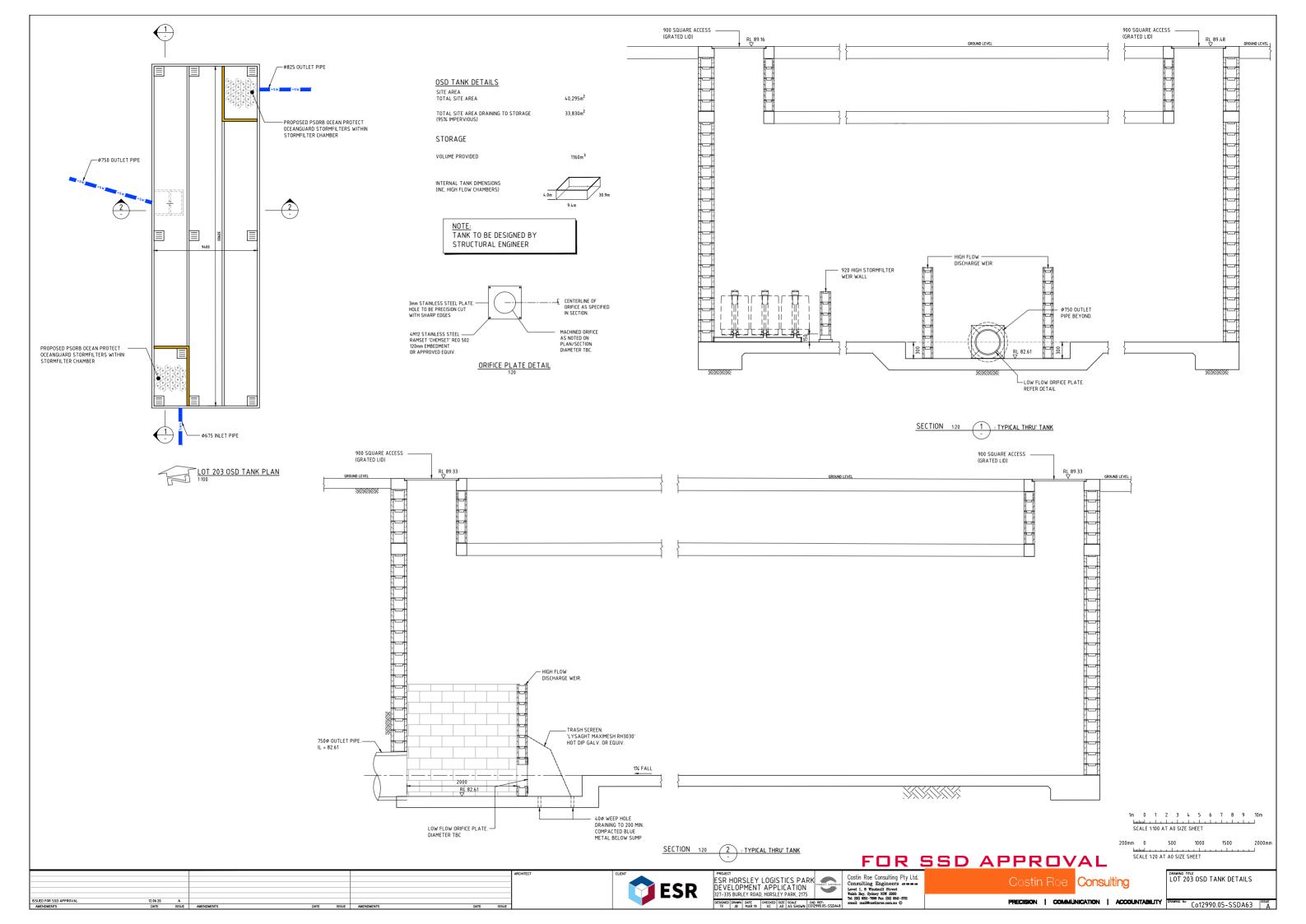
AMENDMENTS

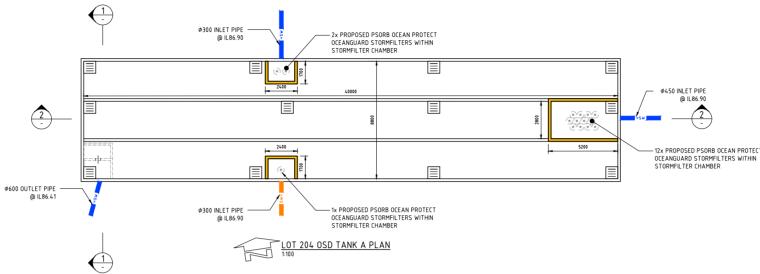


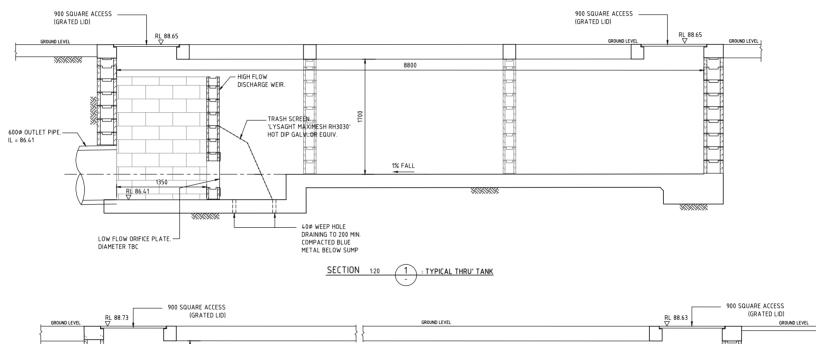


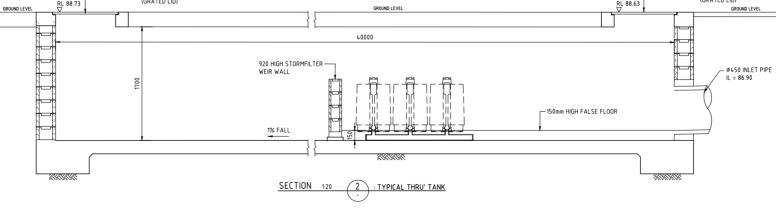


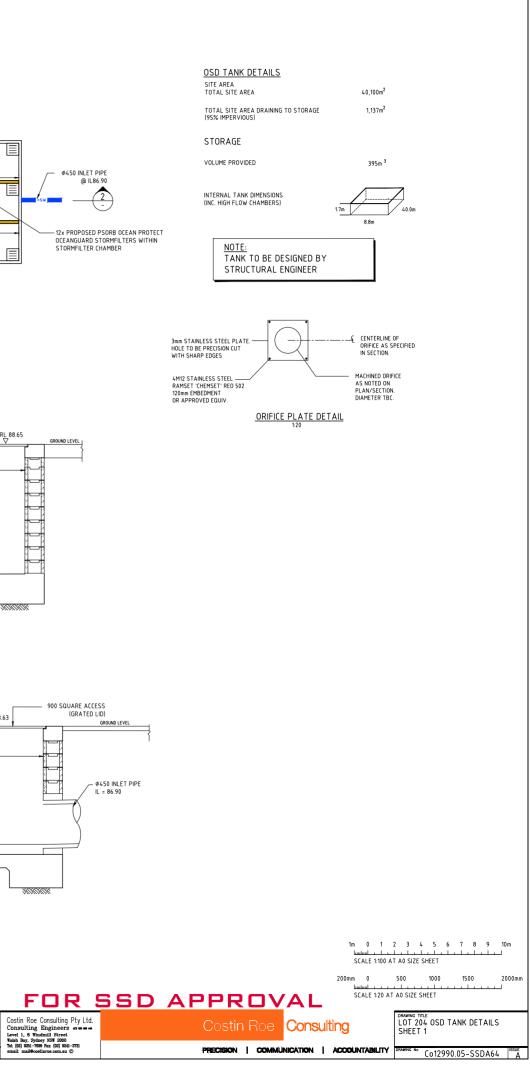
ISSUED FOR SSD APPROVAL AMENDMENTS









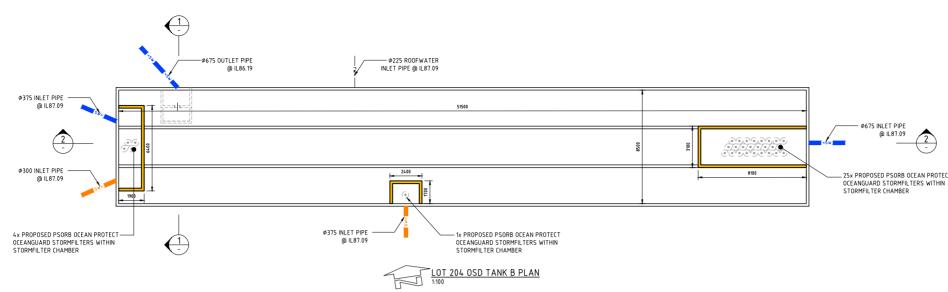


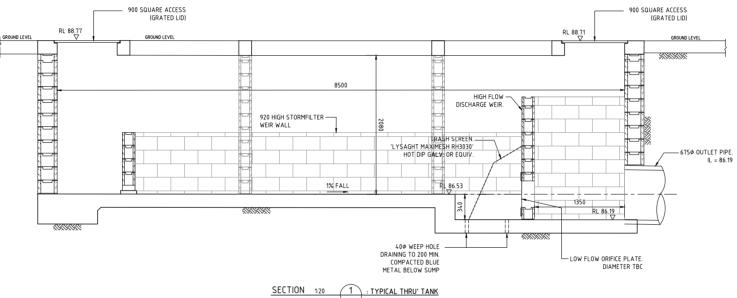


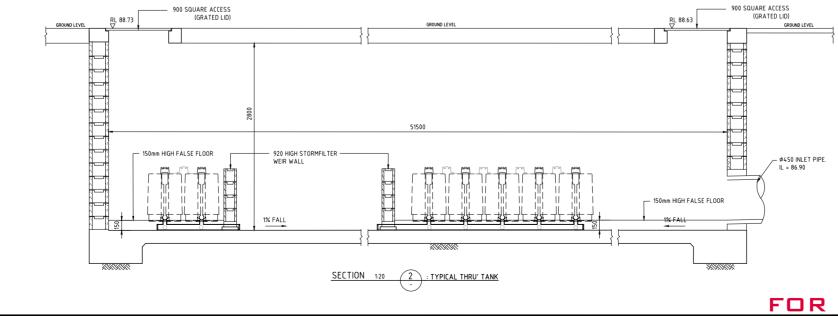


DESIGNED DRAWN DATE CHECKED SIZE SCALE CAD REF: TF JB MAR 19 XC A0 AS SHOWN C012990.05-SSDA6

ISSUED FOR SSD APPROVAL	19.06.20	A			
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE ISSUE	AMENDMENTS







ISSUED FOR SSD APPROVAL AMENDMENTS 19.06.20

A ISSUE ESR HORSLEY LOGISTICS PARK DEVELOPMENT APPLICATION 327-335 BURLEY ROAD, HORSLEY PARK, 2175

DESIGNED DRAWN DATE CHECKED SIZE SCALE CAD REF: TF JB MAR 19 XC A0 AS SHOWN C012990.05-SSDA6

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