

PROPOSED CENTRAL SYDNEY INDUSTRIAL ESTATE INCORPORATING NEW DOWNER SUSTAINABLE ROAD RESOURCE CENTRE.

9 DEVON STREET, CLYDE NSW 2142 PART LOT 100 DP1168951 CIVIL PACKAGE - SSD 10459

DRAWING LIST:

CO13919.01-DA10 DRAWING LIST & GENERAL NOTES C013919.01-DA15 SERVICES ARRANGEMENT PLAN EROSION AND SEDIMENT CONTROL PLAN- PHASE 1 CO13919.01-DA21 CO13919.01-DA22 EROSION AND SEDIMENT CONTROL PLAN- PHASE 2 EROSION AND SEDIMENT CONTROL PLAN- FINAL STAGE CO13919.01-DA23 CO13919.01-DA 25 EROSION AND SEDIMENT CONTROL DETAILS BULK EARTHWORKS PLAN - PHASE 1 CO13919.01-DA31 BULK EARTHWORKS PLAN - PHASE 2 CO13919.00-DA32 CO13919.00-DA35 BULK EARTHWORKS SECTIONS STORMWATER DRAINAGE PLAN - PHASE 1 CO13919.00-DA41 CO13919.00-DA42 STORMWATER DRAINAGE PLAN - PHASE 2 STORMWATER DRAINAGE DETAILS - SHEET 1 CO13919.00-DA45 C013919.00-DA46 STORMWATER DRAINAGE DETAILS - SHEET 2 CO13919.00-DA51 FINISHED LEVELS PLAN - PHASE 1 CO13919.00-DA60 PROPOSED PUBLIC ACCESS ROAD & TYPICAL SECTION





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 INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED
- THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL 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-COING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY

GENERAL NOTES:

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COUNSED OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 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
- ENDIRER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

 FONDER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE

 USED FOR DIMENSIONAL SETOUT.

 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

 FYEMALTIONS STABLE AT ALL TIMES. EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE
- 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. ALL SERVICES ARE BASED ON 'DIAL BEFORE YOU DIG' INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL SERVICES ARE IDENTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORKS.

SITE PREPARATION NOTES:

- ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE
- WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL REPORT.

 2. EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY
- LANDPARTNERS TITLED AS0205 CIYDE BE 200620 TIN DATED 08/07/20. STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND DISPOSE OF FROM
- COMPLETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS
- 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 ANTERIAL COLET MATERIAL SHALL BE PROOF DITAIN DEMONER DEPONE
- 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 FILE SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILF DENSITY RATIOS ISTANDARD COMPACTION OF BETWEEN 98% AND 133%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2%
- 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%
- ALL ENGINEERED FILL PARTICLES SHALL BE ABLE TO BE INCORPORATED 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 37.5 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 (AS1289.5.7.1). THESE METHODS REQUIRE LESS THAN 20% RETAINED ON THE 37.5 MM SIEVE. WHERE BETWEEN 20% AND 30% OF PARTICLES ARE RETAINED ON THE 37.5 MM SIEVE. 37.5 MM SIEVE THE ABOVE 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 (IN THE STATED PERIOD) ARE DOCUMENTED IN THE REPORTS AND HAVE BEEN UNDERTAKEN IN ACCORDANCE WITH TH
- REPORTS AND HAVE BEEN OWNERT RACK IN ACCORDANCE WITH THE SPECIFICATION.

 11. 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.
 MATCH EXISTING LEVELS AT BATTER INTERFACE.
- CONTRACTOR TO MATCH EXISTING LEVELS AT THE INTERFACE OF EARTHWORKS 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
- AND EXISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION OR ADJUSTMENTS TO DESIGN LEVELS.

 DURING EARTHWORKS THE CONTRACTOR IS TO ENSURE ALL AREAS ARE FREE DRAINING & WILL NOT REFIAN WASTER DURING RAINFALL PROVIDE TEMPORARY MEASURES AS REQUIRED TO ENSURE FREE FLOWING RUNOFF THROUGH MANAGED DRAINAGE PATHS, DIVERSION DRAINS OR OTHER SUITABLE DISPOSAL METHOD AS AGREED DURING THE WORKS. REFER ANY CONCERNS TO THE ENGINEER. REFER TO EROSION AND SEDIMENT FONDED THE PROMISES AND MOTES. ONTROL DRAWINGS AND NOTES

STORMWATER DRAINAGE NOTES:

- ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3:2003 PLUMBING AND DRAINAGE, PART 3: STORMWATER
- 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.
- THE 1 IN 100 YEAR ARI STORM EVENT.

 ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLANS C013730.00-CS1 TO C53.

 PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.

 EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
- ALL STORMWATER PIPES \$375 OR GREATER SHALL BE CLASS 2 (WITH HS2 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED
- ALL PIPES UP TO AND INCLUDING #300 TO RE UPVC GRADE SWELLING
- ALL PIPES UP TO AND INCLUDING 9300 TO BE UPVC GRADE SIB UNO. PIPE CLASS NOMINATED ARE FOR IN-SERVICE LOADING CONDITIONS ONLY. CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS REQUIRED FOR CONSTRUCTION CONDITIONS.
 ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTERED IN WALL AND BASE, LAP MINITUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE F'C 25 MPA. PRECAST PITS MAY BELIEFD WITH THE ADDROVAL OF THE FINITED FOR 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 TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH
- AND PACK FILLING ARRUPING AND UNDER BAIL OF PIPES AND THE PAUCE IS, WITH NARROW EDGED RAMMERS OR O'THER SUITABLE TAMPING DETAILS. CONCRETE PIPES UNDER, OR WITHIN THE ZONE OF INFLUENCE SP PAVED AREA SHALL BE LAID USING HS 2 TYPES SUPPORT, AS A MINIMUM, INACCORDANCE WITH AS 3725. AGGREGATE BACKFILL SHALL NOT BE USED FOR PIPE BEDDING AND OR
- HAUNCH/SIDE SUPPORT.

 13. WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED
- WHERE PIFE URSE SHIRE BY INTERPLIED OF PIPE.
 ALL SUBSOIL DRAINAGE LINES SHALL BE #100 SLOTTED UPVC WITH APPROVED FILTER WAPAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1N 200 MINIMUM. PROVIDE CAPPED CLEANING EYE IRODDING POINT) AT UPSTREAM END OF LINE AND AT 30m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT/LANDSCAPED INTERPACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
- STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN. ALL PIPE GRADES 1 IN 200 MINIMUM UNO.
- MIN. 600 COVER TO PIPE OBVERT BENEATH ROADS & MIN. 400 COVER BENEATH ANDSCAPED AND PEDESTRIAN AREAS.
- PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL DE CLASS D 'MEDIUM DUTY'
- 19. PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
 20. DOWN PIPES (IDP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH OP SIZE U.N.O. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
- 21. 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.

EROSION CONTROL NOTES:

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

- SILT FENCES AND SILT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.
- 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 BERNS, DIVERSION AND SILT DAM EMBANKMENTS
 ARE TO BE MACHINE COMPACTED, SEEDED AND MILCHED FOR TEMPORARY
 MEETATABLE OWERS AS COMMENTATION OF TEMPORARY
- VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- CLEAR WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO HE DRAINAGE SYSTEM
- 5. 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 REOSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT
 OF GRASSING ARE TO BE MAINTAINED UNTL THE END OF THE DEFECTS
- 8. ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL
- ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE
- 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 OUALLIFIED PRESON 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
- 13. ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR
- 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 SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN
 STOCKPILE SITES AND ANY STREAM OR FLOW PATH. ALL STOCKPILES SHALL
 BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE
 SURPRIMINING APE AR VISE OF THE MEASURES APPROVED IN THE PROSION SURROUNDING AREA BY USE OF THE MEASURES APPROVED IN THE EROSION
- 15. ACCESS AND EXIT AREAS SHALL INCLUDE SHAKE-DOWN OR OTHER METHODS APPROVED BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FORM MOTOR VEHICLES.

AND SEDIMENTATION CONTROL PLAN.

- THE CONTRACTOR IS TO ENSURE RUNDER FROM ALL AREAS WHERE THE 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 WATERCOUNTESS.
 THE CONTRACTOR SHALL PROVIDE AND MINITAIN SLOPES, CROWNS AND
 DESCRIPTION OF THE PROVIDE AND MINITAIN 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



Issued under the Environmental Planning and Assessment Act 1979

Approved Application No: SSD-10459

Granted on: 31 January 2021

Signed: JF Sheet No: 5 of 44

FOR INFORMATION

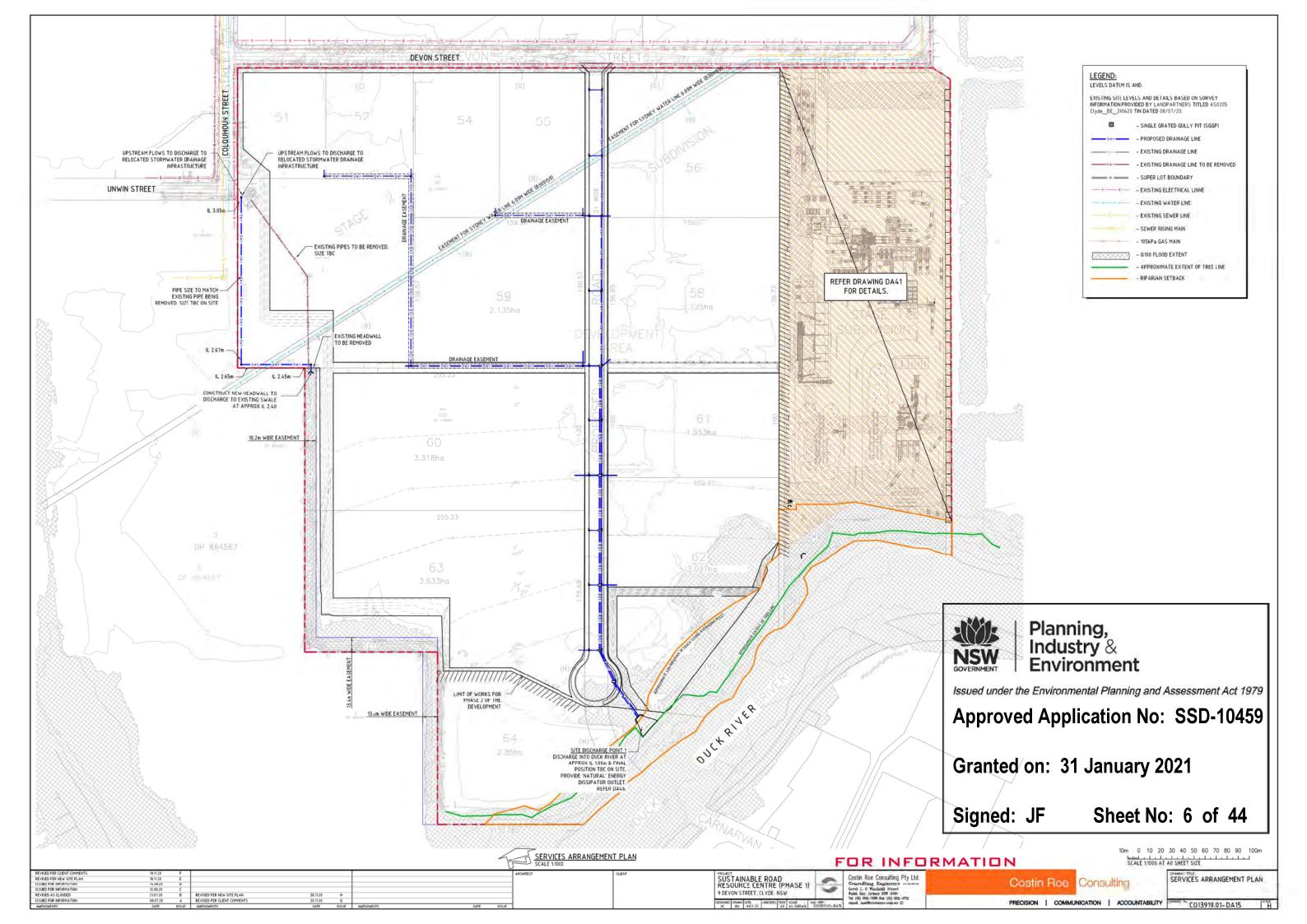
SUSTAINABLE ROAD RESOURCE CENTRE (PHASE 1)

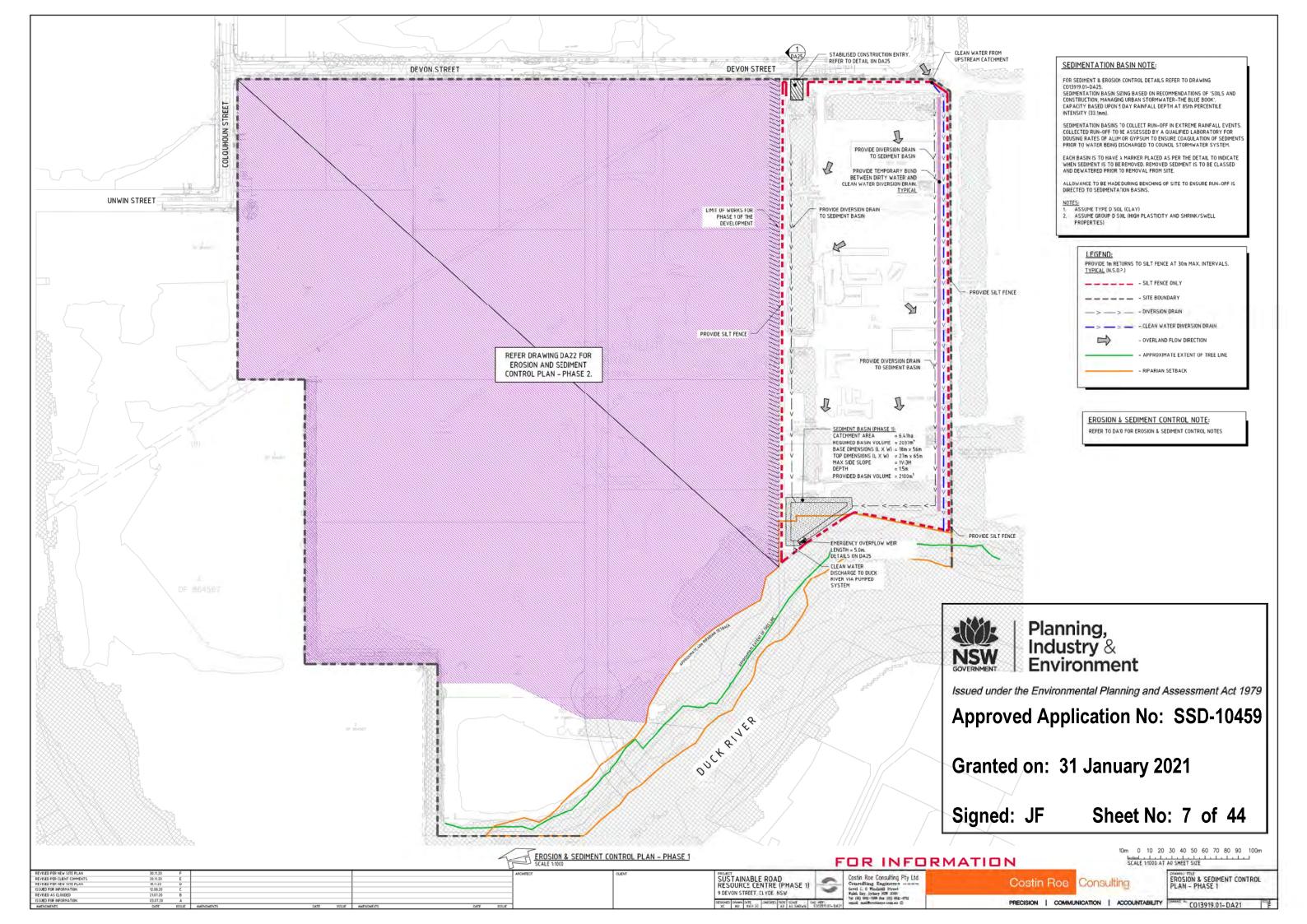


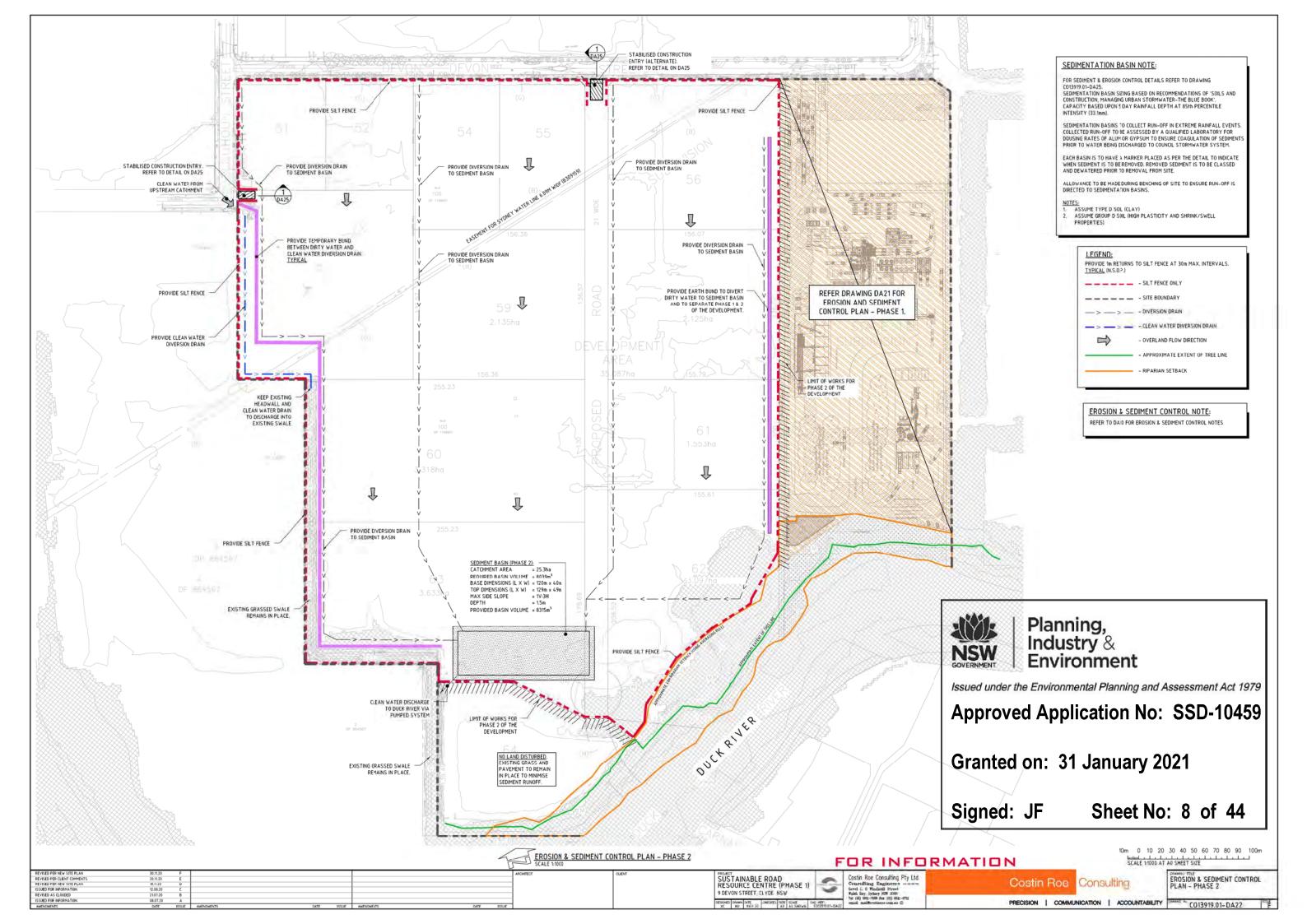


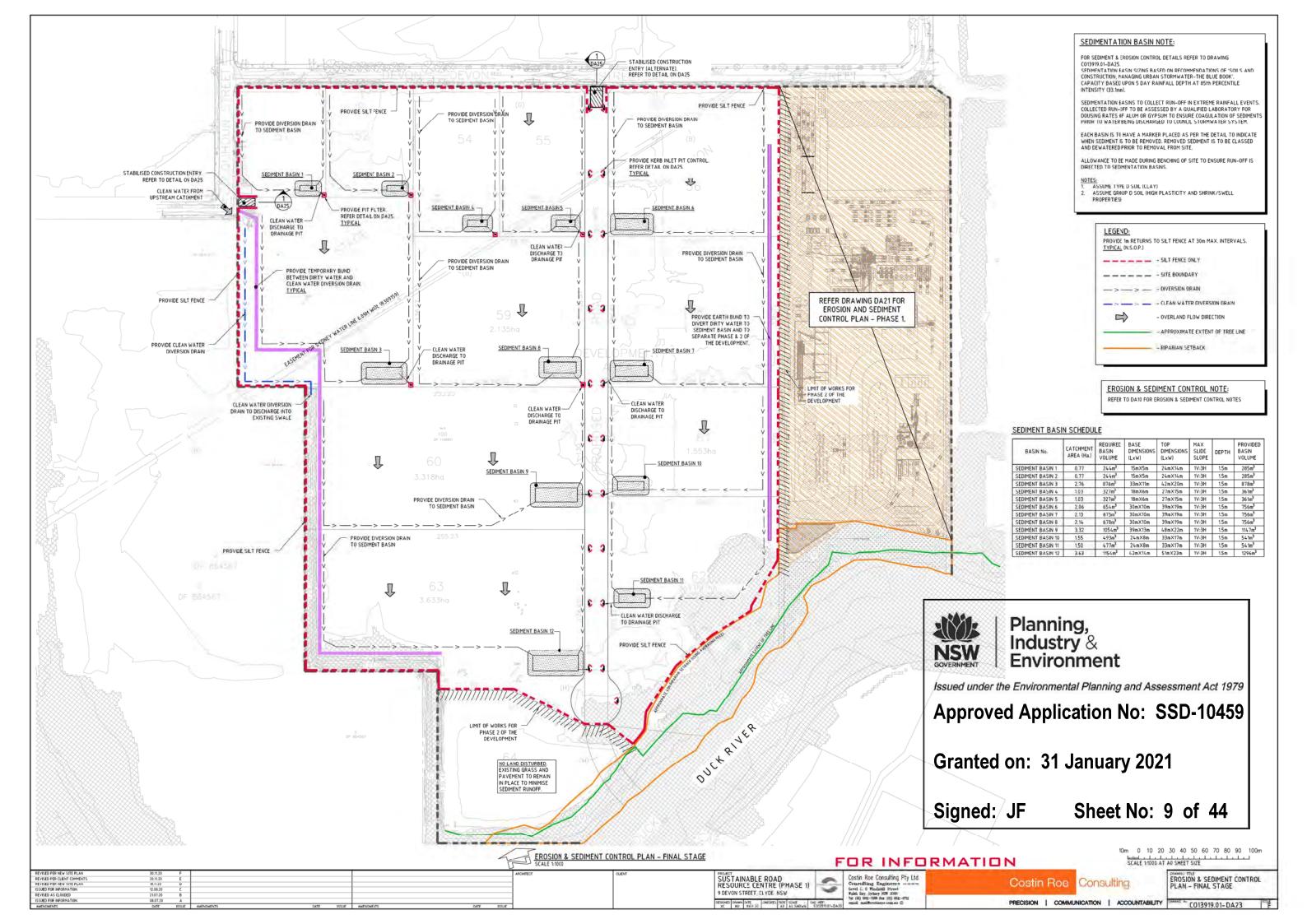
DRAWING LIST & GENERAL NOTES

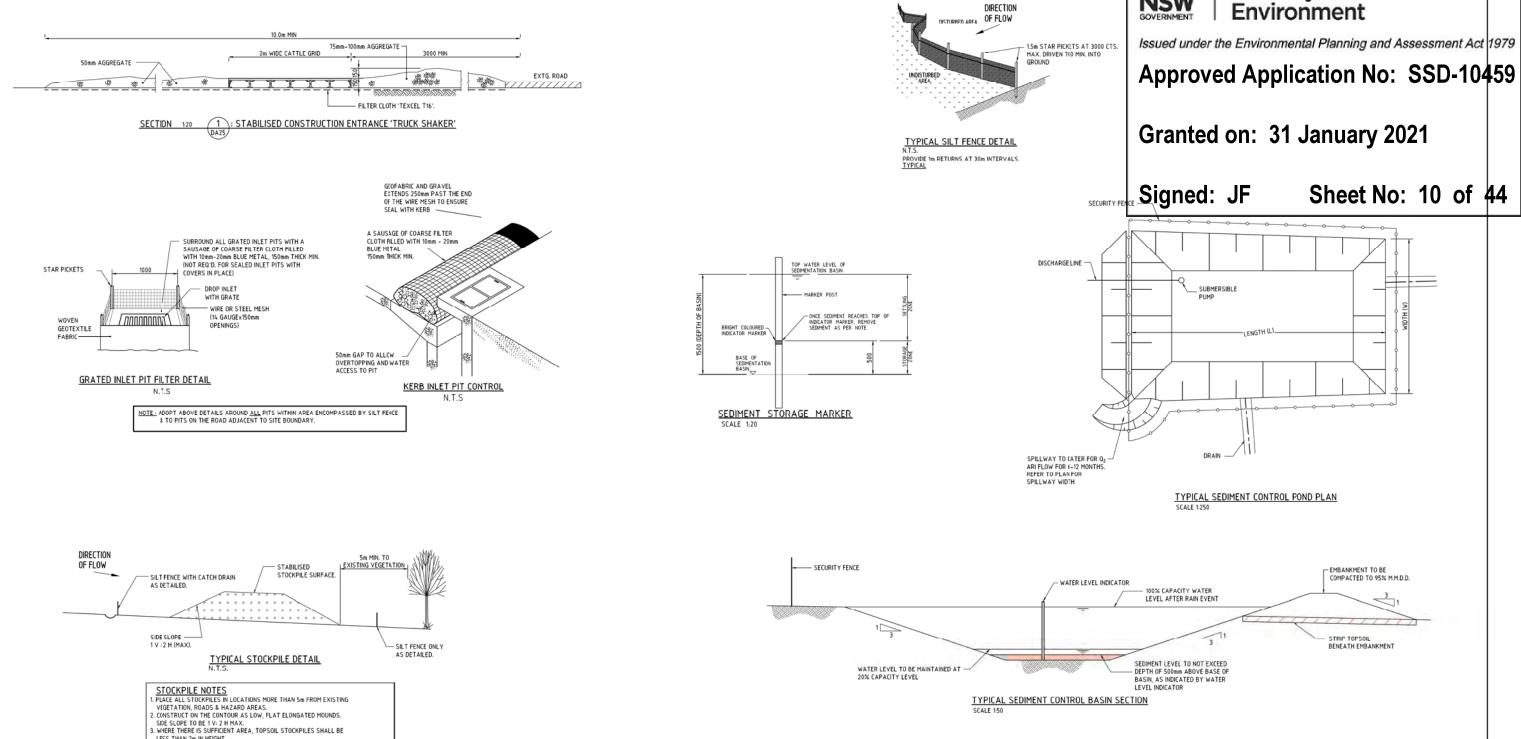
PRECISION | COMMUNICATION | ACCOUNTABILITY CO13919.01-DA10

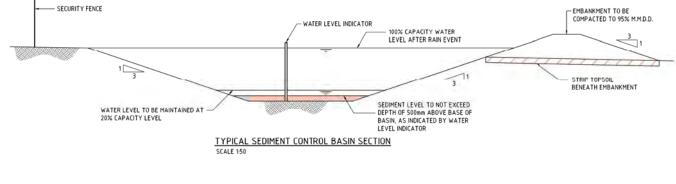


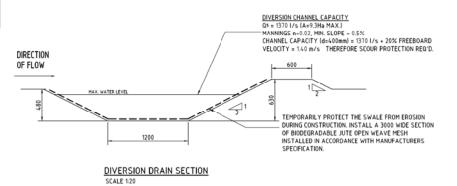












. WHERE STOCKPILES ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE USING WOOD CHIP MULCH - 16 TONNE/Ha.

CONSTRUCT SILT FENCE WITH CATCH DRAIN ON UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES & SILT FENCE ONLY 1 TO 2m DOWNSLOPE AS SHOWN.

FOR INFORMATION

EROSION AND SEDIMENT CONTROL PRECISION | COMMUNICATION | ACCOUNTABILITY C013919.01-DA25

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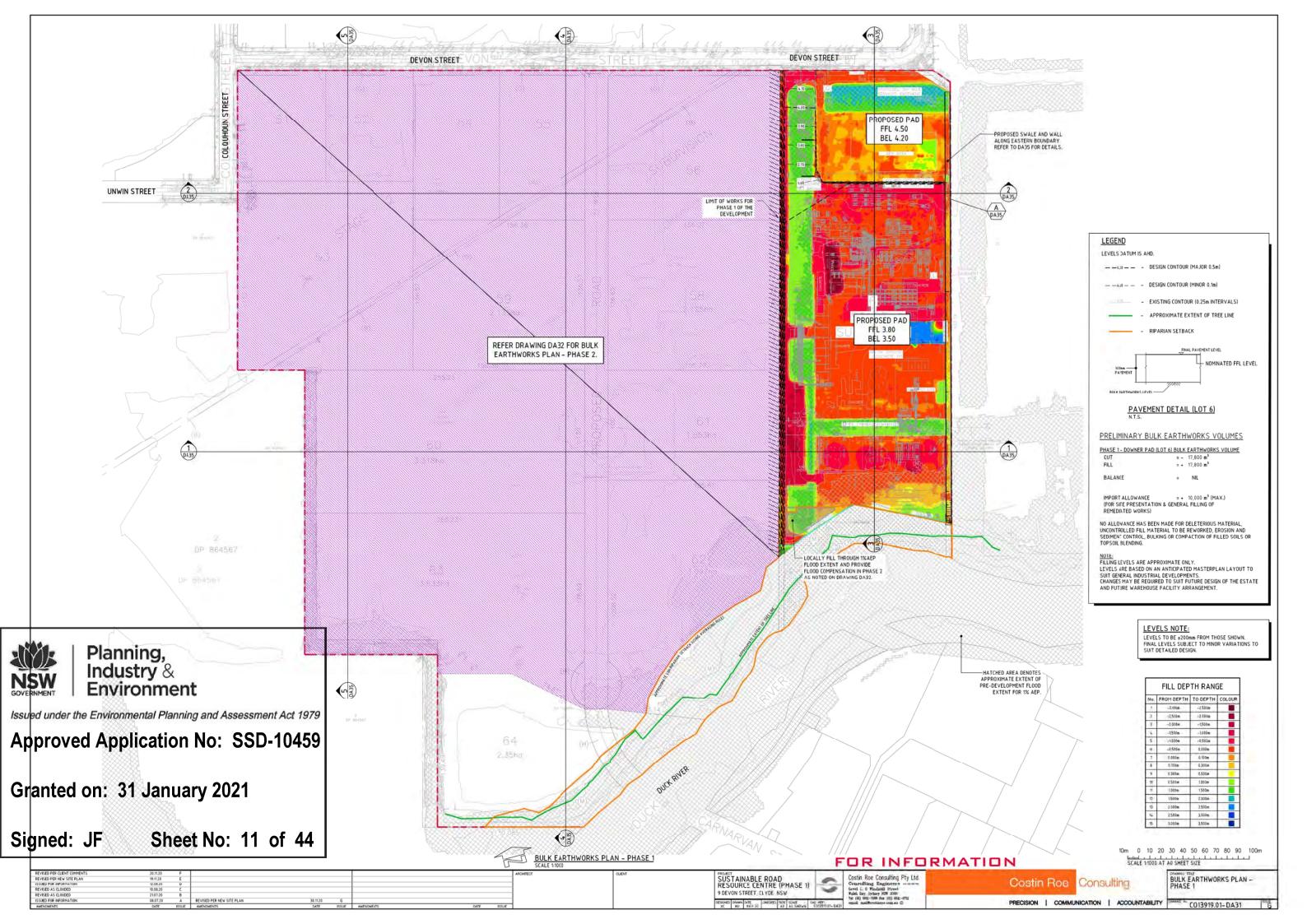
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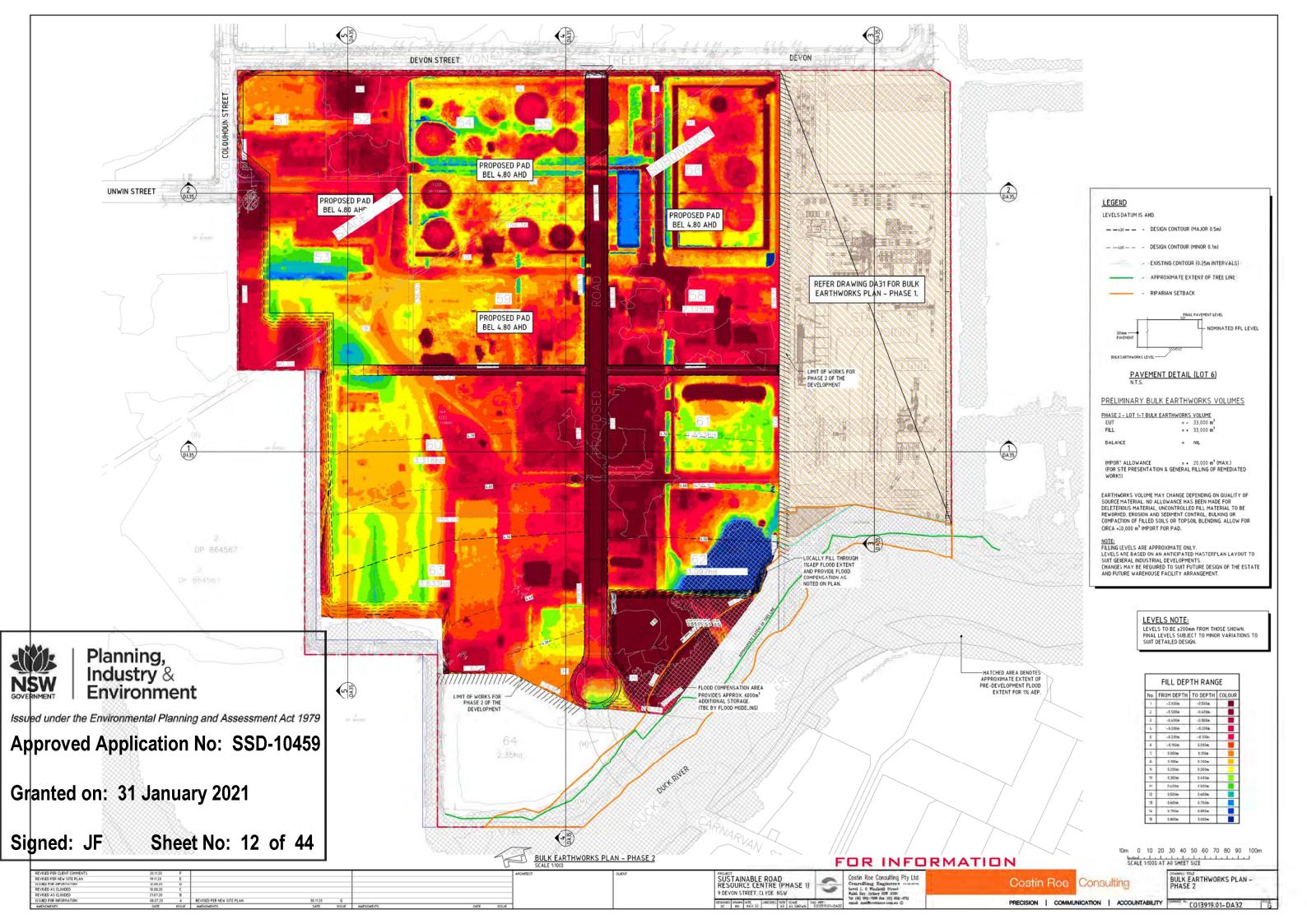
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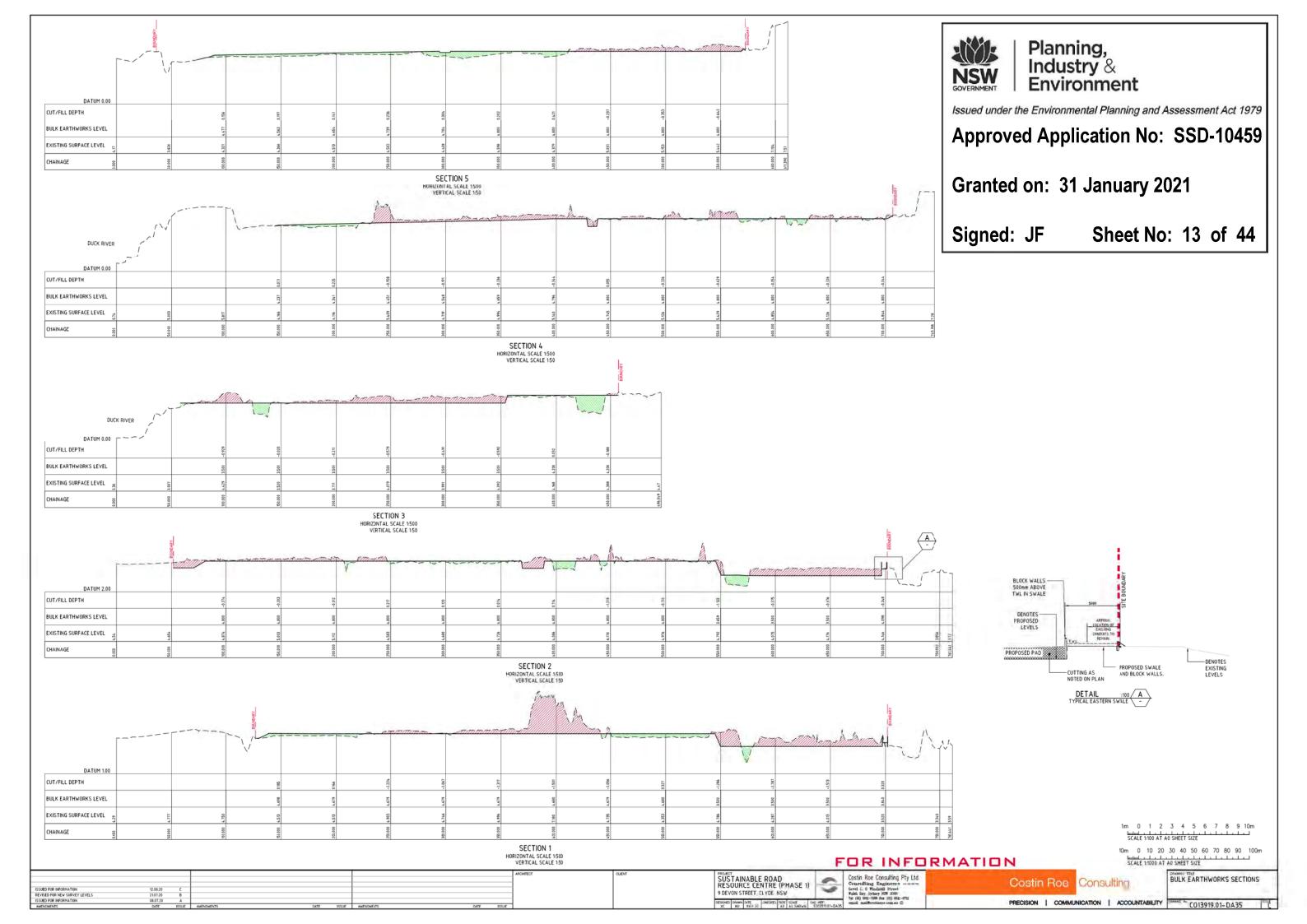
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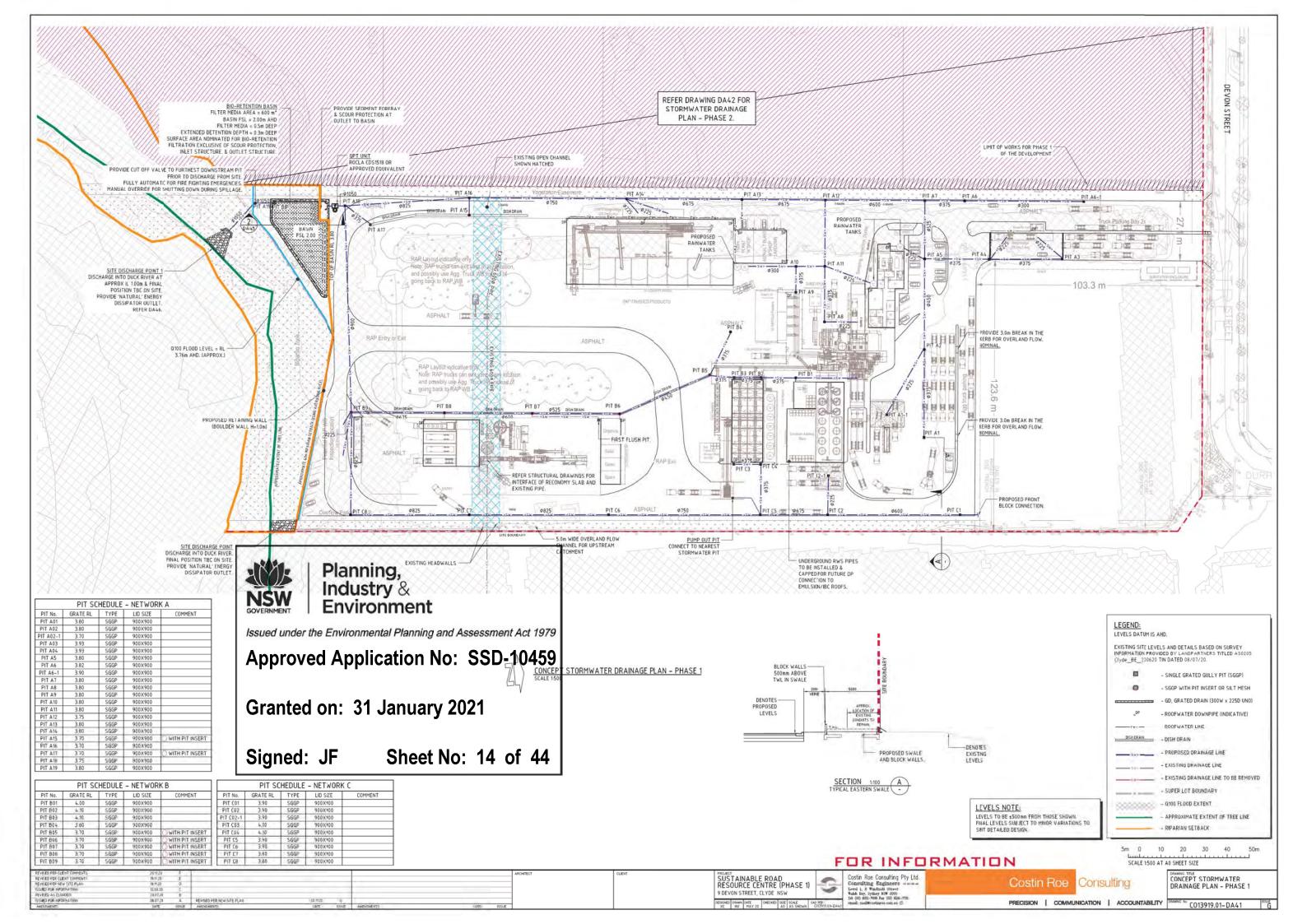
Planning, Industry &

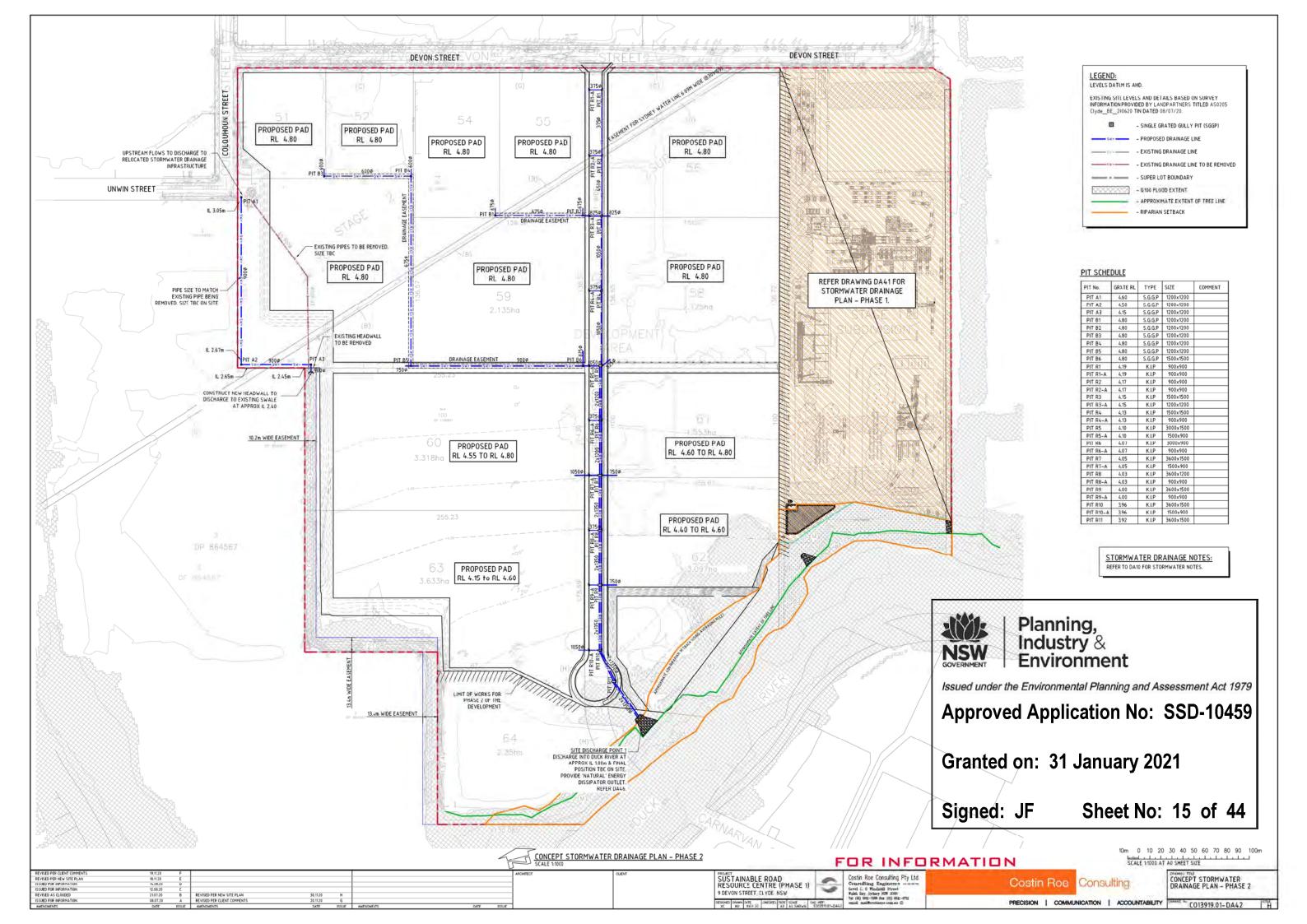
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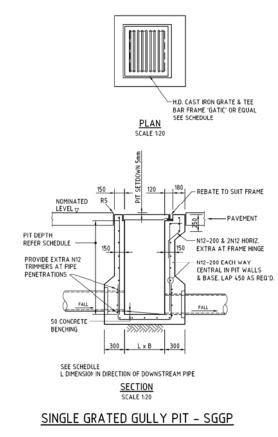


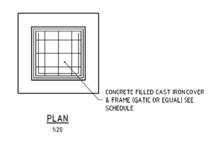


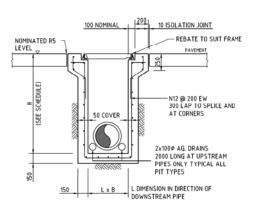




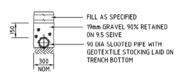




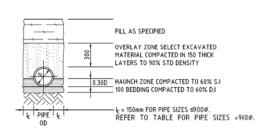




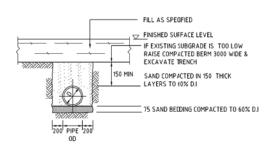
SECTION SEALED JUNCTION PIT - SJP



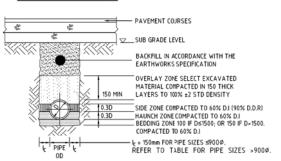
SUPPORT TO AG. DRAIN



TYPE H1 SUPPORT TO

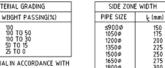


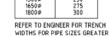
SUPPORT TO uPVC PIPES

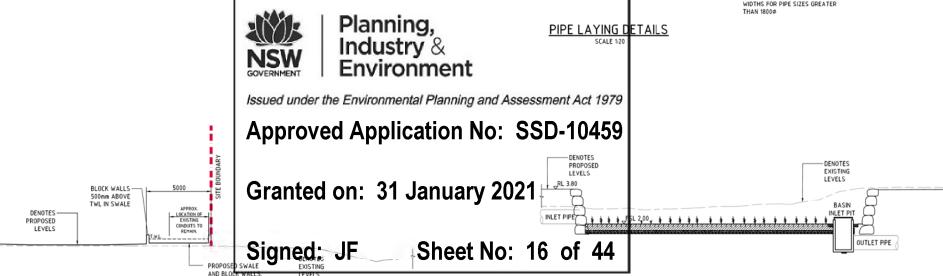


TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

BEDDING & HAUNCH MATERIAL GRADING		SIDE ZONE MAT
SIEVE SIZE	WEIGHT PASSING(%)	SIEVE SIZE W
19 2.36 0.60 0.30	100 100 TO 50 90 TO 20 60 TO 10	75 9.5 2.36 0.60 0.075
0.15 0.075	25 TO 0 10 TO 0	SELECT FILL MATERIA TABLE 1 AS 3725







DOWNPIPE CONNECTION DETAILS

DOWN PIPE CONNECTION TO uPVC PIPE

1. PROPRIETARY T-PIECE CONNECTORS SHALL BE USED TO WHERE DIRECT CONNECTONS ARE REQUIRED TO JPVC PIPES
ALL JOINTS TO BE SEALED WITH SOLVENT WELDED JOINTS.
THE PYC PIPE SHALL NOT PROTUDE DEYOND THE INNER
SURFACE OF THE STORMWATER PIPE.

PVC DOWNPIPE

225¢ uPVC MAX

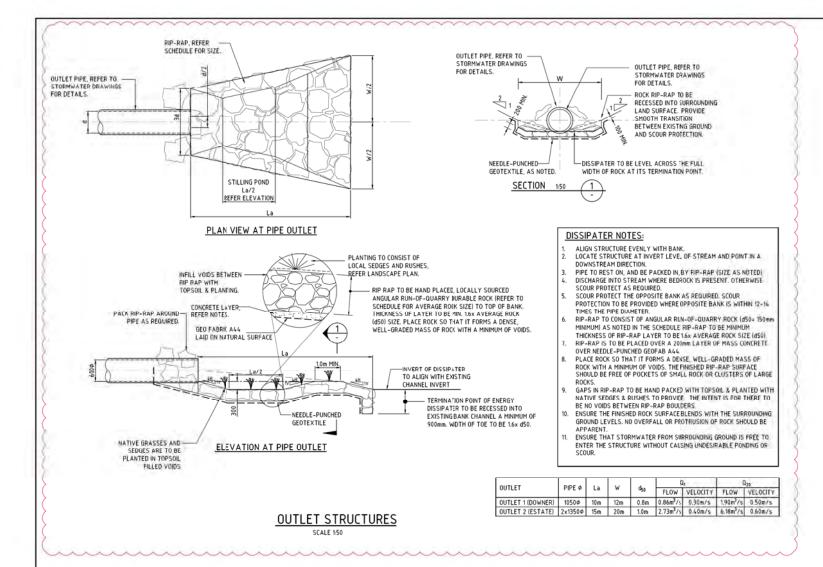
T-CONNECTOR TO SUIT DOWNPIPE CONNECTION LINE & MAIN ROOFWATER LINE

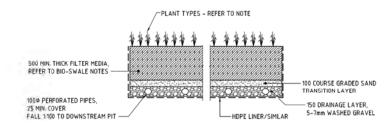
FOR INFORMATION

500 SCALE 1:20 AT A0 SHEET SIZE

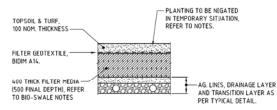
SUSTAINABLE ROAD RESOURCE CENTRE (PHASE 1)

CONCEPT STORMWATER
DRAINAGE DETAILS - SHEET PRECISION | COMMUNICATION | ACCOUNTABILITY C013919.01-DA45



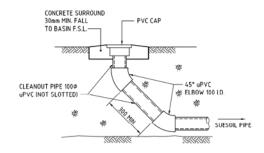


TYPICAL BIO-RETENTION DETAIL



TEMPORARY BIO-RETENTION PROTECTION DETAIL

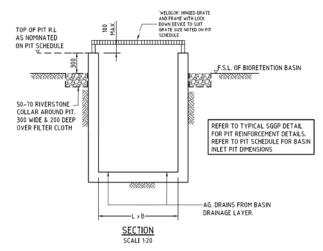
SCALE 1:20 TEMPORARY CONSTRUCTION REQUIREMENT DETAIL-REFER TO NOTES FOR IMPLEMENTATION PERIODS.



BIORETENTION CLEANOUT EYE ELEVATION

DENOTED C.E. ON PLAN

BIO-RETENTION BASIN DETAILS



BASIN INLET PIT - BIP

SCALE 1:20 AT A0 SHEET SIZE

SCALE 1:20 AT A0 SHEET SIZE

FOR INFORMATION

CONCEPT STORMWATER DRAINAGE DETAILS - SHEET 2 CO13919.01-DA46

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Planning, Industry & Environment

Granted on: 31 January 2021

Signed: JF

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No: SSD-10459

SUSTAINABLE ROAD RESOURCE CENTRE (PHASE 1)

Costin Roe Consulting Pty Ltd.
Consulting Engineers
Level 1. 6 Windmill Street
Vales Bay, System 1000 1001-10732

PRECISION | COMMUNICATION | ACCOUNTABILITY

FILTER MEDIA THAT DOES NOT MEET THE FOLLOWING CRITERIA SHALL BE a. ORGANIC MATTER CONTENT TO BE IDEALLY WITHIN 1% TO 3% (W/W)

MEDIUM TO COARSE SAND (0.25-1.00mm) 40-60%

AND TO BE NO GREATER THAN 5%(W/W)

FILTER MEDIA TO BE LOAMY SAND WITH A PERMEABILITY NOT LESS THAN

TOXICANTS, DECLARED FLANTS AND LOCAL WEEDS, AND IS TO NOT BE

<3% 5-30%

10-30%

b. PH TO BE BETWEEN 5.5 AND 7.5
c. PHOSPHOROUS CONTENT TO BE NO GREATER THAN 35mg/kg

FILTER MEDIA TO BE ASSESSED BY QUALIFIED HORTICULTURALIST TO ENSURE CAPABILITY OF SUPPORTING PLANT LIFE.

DRAINAGE LAYER TO BECLEAN GRAVEL 5-7mm.

CLAY & SILT (<0.05mm) VERY FINE SAND (0.05-0.15mm)

FINE SAND (0.15-0.25mm)

COARSE SAND (1.0-2.0mm)

FINE GRAVEL (2.0-3.4mm)

BIO-RETENTION NOTES:

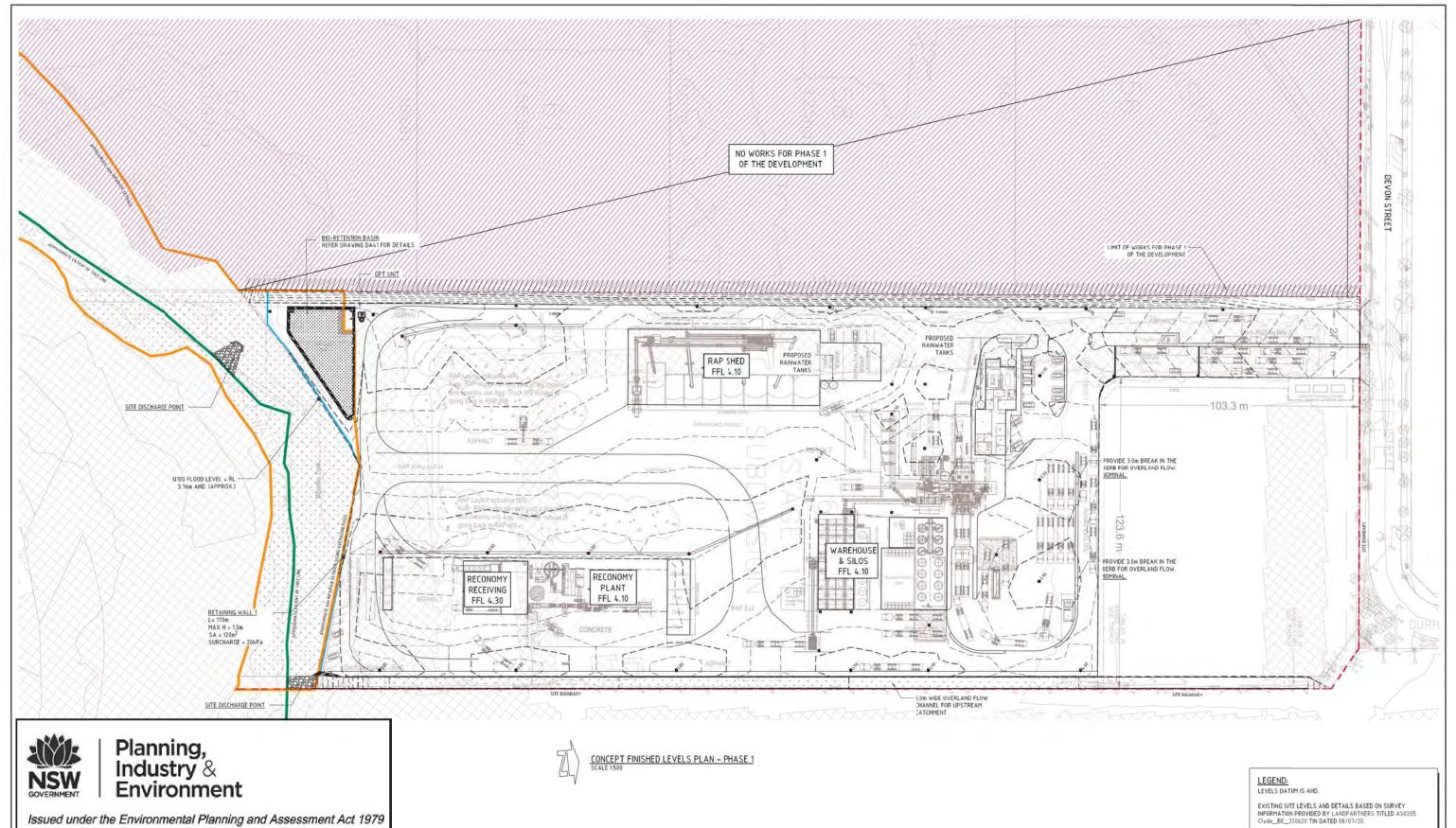
PLANTS TO BE IN ACCORDANCE WITH PARRAMATTA CITY COUNCIL.

PROVIDE 100mm TOPSOIL AND TEMPORARY EROSION PROTECTION (JUTEMASTER OR EQUIV) TO SWALE BATTER SLOPES AND ADJACENT LANDSCAPED AREAS. NOTE THAT NO TOPSOIL IS TO BE PLACED OVER FILTRATION MEDIA. PROVIDE SILT FENCE TO TOP OF BANK UNTIL SUCH TIME AS THIS STABILISING AND VEGETATION HAS BEEN COMPLETED.

BIO-RETENTION TO BE PARTIALLY INSTALLED, FOLLOWING COMPLETION OF THE ROAD, WITH THE TO? 75-100mm OF FILTER MEDIA REPLACED WITH A FIN TO COARSE SAND UNDERLAIN WITH A GEOTEXTILE LAYER (REFER TO DETAIL). FOLLOWING COPPLETION OF THE UPSTREAM DEVELOPMENT AND SITE STABILISATION, THE SAND IS TO BE REMOVED, REPLACED WITH FILL TERMATERIAL AND PLANTED OUT. REFER TO TEMPORARY BIO-BASIN DETAIL

PRIOR TO PLANTING, THE TOP 100mm OF THE BIORETENTION FILTER MEDIA IS TO BE AMELIORATED WITH APPROPRIATE ORGANIC MATTER, FERTILISER AND TRACE ELEMENTS TO AIC PLANT ESTABLISHMENT AS PER THE TABLE BELOW:

TABLE: RECIPE FOR AMELIORATING TOP	100mm OF BIORETENTION FILTER MEDIA
CONSTITUENT	QUANTITY (kg/m2 OF FILTER AREA)
GRANULATED POULTRYMANURE FINES	50
SUPERPHOSPHATE	2
MAGNESIUM SULPHATE	3
POTASSIUM SULPHATE	2
TRACE ELEMENT MIX	1
FERTILISER NPK (16.4.14)	4



Approved Application No: SSD-10459

Granted on: 31 January 2021

Signed: JF Sheet No: 18 of 44

FOR INFORMATION

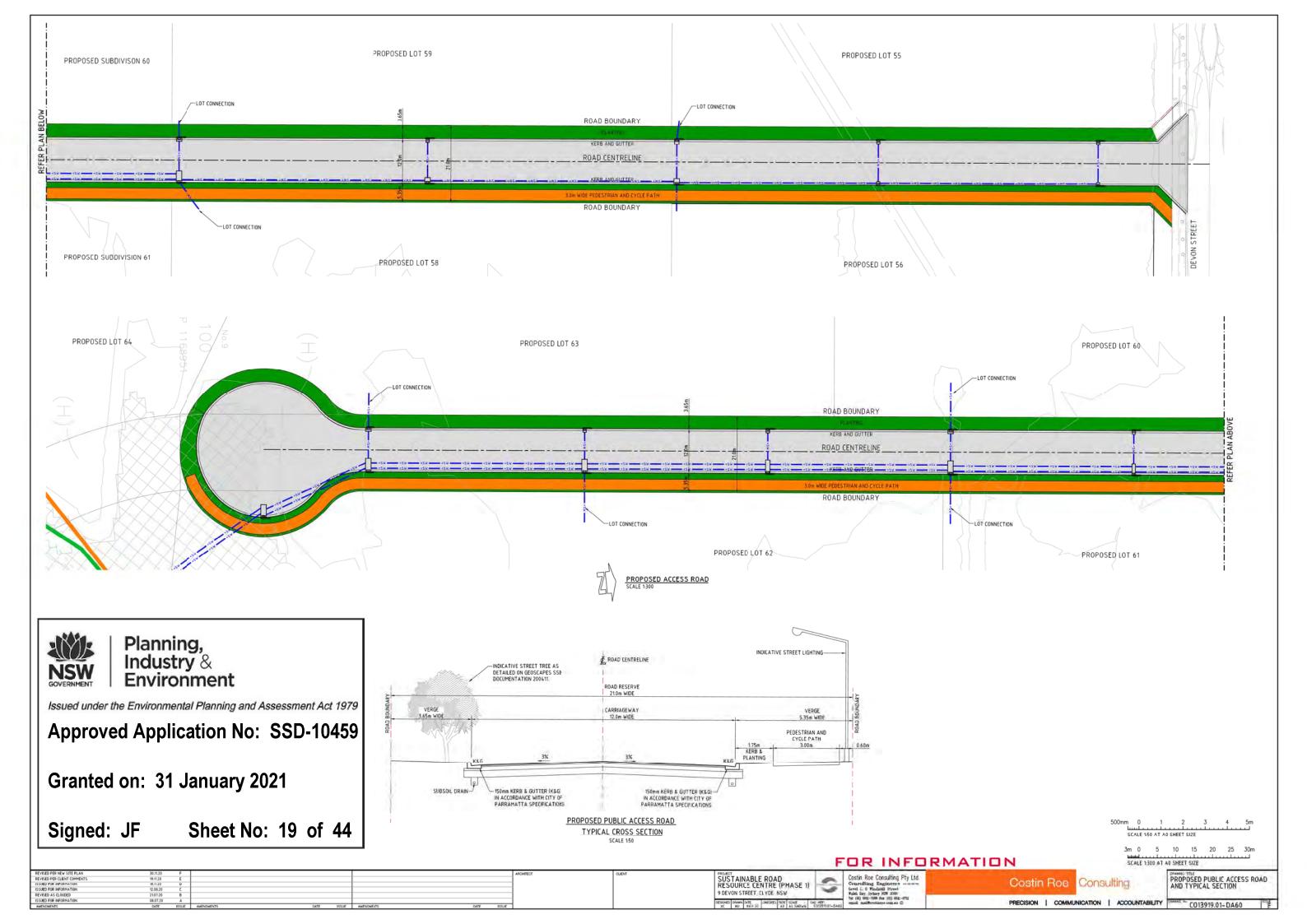
- SINGLE GRATED GULLY PIT (SGGP) - Q100 FLOOD EXTENT APPROXIMATE EXTENT OF TREE LINE 20 30 40

SCALE 1:1000 AT AO SHEET SIZE

Consulting

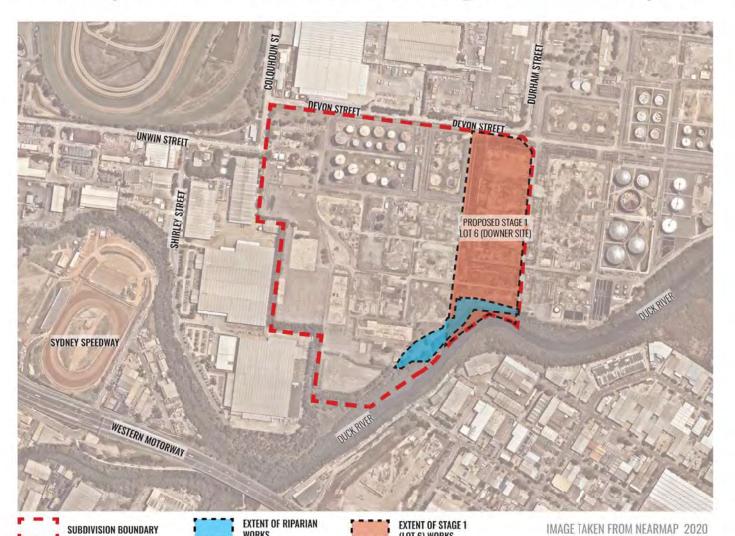
CONCEPT FINISHED

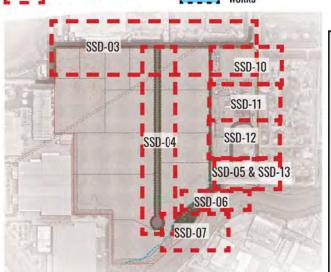
PRECISION | COMMUNICATION | ACCOUNTABILITY | DIAMPO No CO13919.01-DA51



SSD - CENTRAL SYDNEY INDUSTRIAL ESTATE - 9 DEVON STREET, ROSEHILL, NSW 2142

Landscape Documentation for State Significant Development Application





KEY PLAN - SHEET LAYOUTS

Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No: SSD-10459

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Signed: JF Sheet No: 20 of 44

Drawing Register

Dwg No.	Drawing Name						
SSD-00	Cover Sheet	SSD-09	Riparian Corridor Section B-B				
SSD-01	Overall Master Plan	SSD-10	Stage 1 Lot 6 (Downer) Detail Plan - 1				
SSD-02	Temporary Erosion Control Plan	SSD-11	Stage 1 Lot 6 (Downer) Detail Plan - 2				
SSD-03	Streetscape Plan - Devon Street	SSD-12	Stage 1 Lot 6 (Downer) Detail Plan - 3				
SSD-04	Streetscape Plan - Proposed Access Road	SSD-13	Stage 1 Lot 6 (Downer) Detail Plan - 4				
SSD-05	Riparian Corridor Detail Plan - 1	SSD-14	Stage 1 Lot 6 (Downer) Section CC				
SSD-06	Riparian Corridor Detail Plan - 2	SSD-15	Stage 1 Lot 6 (Downer) Section DD & EE				
SSD-07	Riparian Corridor Detail Plan - 3	SSD-16	Specifications & Typical Details				
SSD-08	Riparian Corridor Section A-A	SSD-17	Plant Schedules & Imagery				



SITE PLAN

SCALE 1:3000

FOR SSD APPLICATION

Drawing Title:
Cover Sheet
DWG No:

Suite 215, 284 Victoria Ave, Chatswood NSW 2067 Ph. (02) 9411 1485 www.geoscapes.com.au
ABN 84 620 205 781 ACN 620 205 181

SCALE 1:6000

Project Manage

Element Environment Pty. Ltd. Clent:

VE PROPERTY

LEYEL 16, 720 BOURKE STREET DCCKLANDS VIC 3008

PH: (03) 8823 444

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				J	11.11.20	UPDATED FOR RTS	
				K	26.11.20	UPDATED FOR RTS	

