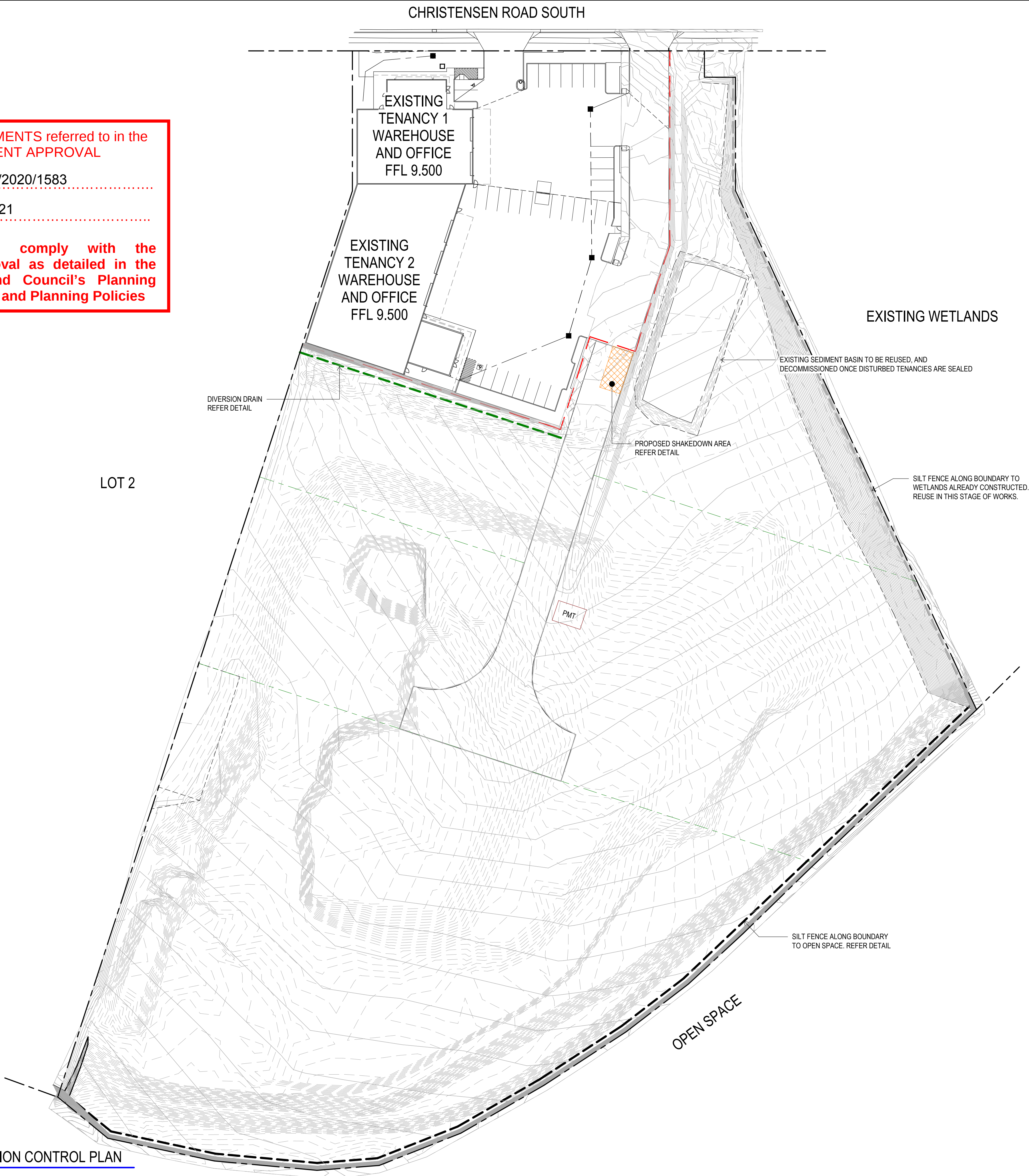


PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/1583

Dated: 8 February 2021

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



PROJECT TEAM

Consulting Engineer:



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Engineers Certification:

Joshua Mason MIE Aust. CPEng.
NPER Civil
RPEQ 23936

Signature:

Date: 04 / 02 / 2021

SEDIMENT & EROSION LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
---	FUTURE EASEMENT
---	FUTURE TENANCY BOUNDARIES
---	EXTENT OF WORKS
---	EXISTING SURFACE CONTOURS
---	BULK EARTHWORKS CONTOURS
---	SILT FENCE
---	DIVERSION DRAIN

D	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
C	FOR APPROVAL	29.01.2021	K.J.L.
B	FOR APPROVAL	13.10.2020	K.J.L.
A	FOR REVIEW	25.09.2020	K.J.L.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON

for
MS PROJECTS

Title

SEDIMENT AND EROSION
CONTROL PLAN

Drawn	Date	Chkd	Date
K.J.L.	25.09.2020	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C101	D	

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SILT MANAGEMENT PLAN NOTES

1. CONSTRUCT SEDIMENT CONTROL FILTER FABRIC SILT FENCE PRIOR TO THE COMMENCEMENT OF ANY OTHER SITE WORKS.
2. ENSURE NO RUN OFF OR SEDIMENT DISCHARGES TO STREET OR ADJOINING PROPERTIES.
3. CHECK SILT TRAP PITS FOR BUILD UP OF SEDIMENT AND CLEAN OUT AS REQUIRED.
4. CONTRACTOR TO NOMINATE SITE REPRESENTATIVE TO BE RESPONSIBLE FOR THE IMPLEMENTATION AND UP KEEP OF THE SILTATION AND EROSION MANAGEMENT CONTROL PLAN.
5. CONSTRUCTION OF ALL SEDIMENT MANAGEMENT DEVICES SHALL BE COMPLETED AND EFFECTIVE PRIOR TO:
 - STRIPPING OF TOPSOIL AND GRASS
 - BULK EARTHWORKS TO THE SITE
 - SERVICE INSTALLATION
6. ALL SEDIMENT MANAGEMENT DEVICES ARE TO REMAIN UNTIL WRITTEN NOTICE FROM THE CONSULTING ENGINEER.
7. BOTH TEMPORARY AND PERMANENT SEDIMENT MANAGEMENT DEVICES SHALL BE MAINTAINED AT A SUITABLE LEVEL/CONDITION THROUGHOUT CONSTRUCTION.
8. SEDIMENT FENCES ARE TO BE CLEANED OUT WHEN CAPACITY IS REDUCED BY 30%.
9. LICENSING AND COMPLIANCE FOR THE LOCATION OF THE SITE ACCESS POINT AND WASH DOWN AREA WHICH ARE TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
10. CHRISTENSEN ROAD SOUTH IS TO BE VISUALLY INSPECTED DAILY TO ENSURE THAT NO SEDIMENT IS TRACKED FROM THE SITE. BROOM OR SWEEP AS REQUIRED TO REMEDY ANY TRACKING.
11. ALL EROSION AND SEDIMENT CONTROLS TO REMAIN IN PLACE UNTIL UPSLOPE LANDS ARE STABLE AND REHABILITATED.
12. DUST SUPPRESSION MUST BE UNDERTAKEN TO MINIMISE THE RISK OF DUST RISE. SUITABLE MEASURES TO ACHIEVE THIS INCLUDE:
 - WATER TRUCKS
 - TEMPORARY VEGETATION AND MULCHING
 - EROSION CONTROL BLANKETS
 - SOIL BINDERS
 - ADOPTING SPEED LIMITATIONS FOR SITE VEHICLES
 - STOCKPILE STABILISATION

STOCKPILE MANAGEMENT NOTES

MATERIAL	STOCKPILE COVER	COMMENTS
SAND	NO COVER	WHEN WIND EROSION AND DUST CONTROL IS NOT AN ISSUE
	SYNTHETIC COVER, POROUS OR NOT POROUS	BY THE END OF THE WHEN THE CONTROL OF WIND EROSION IS ESSENTIAL FOR REASONS OF SAFETY
SOIL	NO COVER	WHEN WIND EROSION AND DUST CONTROL IS NOT AN ISSUE
	MULCHING, VEGETATIVE COVER, CHEMICAL STABILISERS, SOIL BINDERS OR IMPERVIOUS BLANKET	LONG TERM (>28 DAYS) STOCKPILING OF DISPERSIVE SOILS.
		LONG TERM (>28 DAYS) STOCKPILING OF CLAYEY SOILS WHEN TURBIDITY CONTROL IS DESIRABLE.
		LONG TERM (>5/10 DAYS) SOIL STOCKPILES DURING MONTHS OF EXTERME/HIGH EROSION RISK (JANUARY, FEBRUARY, MARCH, APRIL, NOVEMBER, DECEMBER)
		SHORT AND LONG TERM STOCKPILES OF CLAYEY SOILS WHEN TURBIDITY CONTROL IS ESSENTIAL.

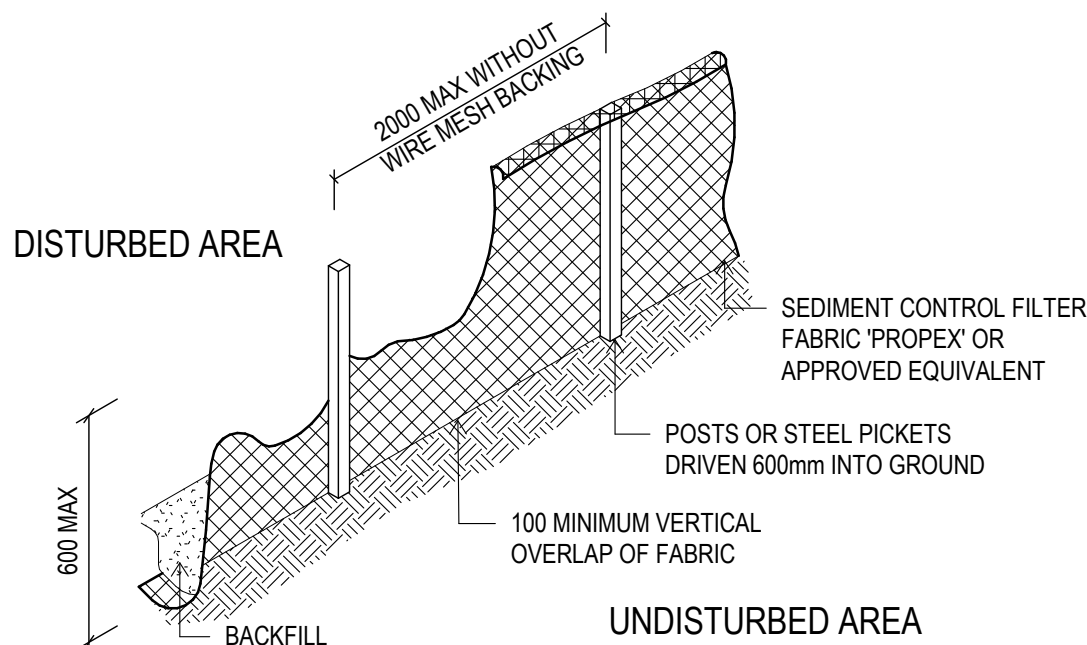
OPERATION & MAINTENANCE NOTES

ALL ESC MEASURES MUST BE INSPECTED:
- AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE) OR WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE);
- WITHIN 24 HOURS OF EXPECTED RAIN; AND
- WITHIN 18 HOURS OF A RAINFALL EVENT (ie AN EVENT OF SUFFICIENT INTENSITY AND DURATION TO MOBILISE SEDIMENT ON SITE).

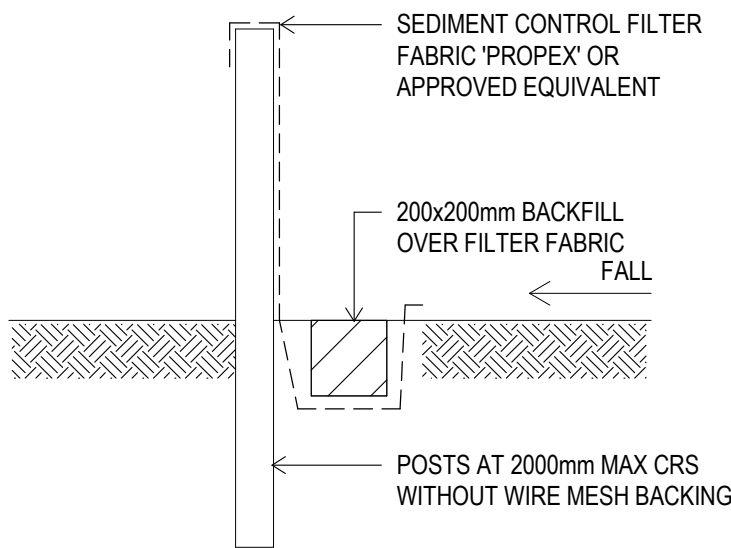
ESC MEASURE	MAINTENANCE TRIGGER	TIMEFRAME FOR COMPLETION OF MAINTENANCE
SEDIMENT BASINS	WHEN SETTLED SEDIMENT EXCEEDS THE VOLUME OF THE SEDIMENT STORAGE ZONE (SEE COUNCIL'S SEDIMENT BASIN DESIGN GUIDELINES).	WITHIN 7 DAYS OF THE INSPECTION.
OTHER ESC MEASURES	THE CAPACITY OF ESC MEASURES FALLS BELOW 75%.	BY THE END OF THE DAY

PRIOR TO LONG PERIOD OF SHUT DOWN ALL ESC MEASURES TO BE INSPECTED AND CLEANED. SEDIMENT BASIN CAPACITY TO BE CHECKED AND SIZE INCREASED IF REQUIRED FOR SHUT DOWN PERIOD.

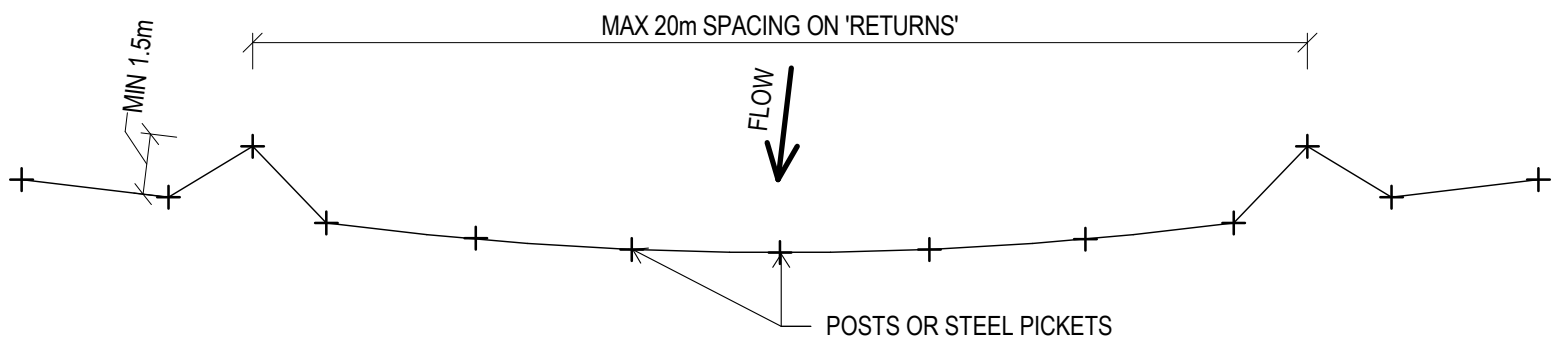
FOR MANAGEMENT OF WATER QUALITY DURING BACK TO BACK RAINFALL EVENTS, MANAGED DEWATERING OF THE SEDIMENT BASIN IS PERMITTED WHEN TSS IS LESS THAN OR EQUAL TO 50mg/L. FLOCCULATION USING MINERAL GYPSUM MAYBE REQUIRED.



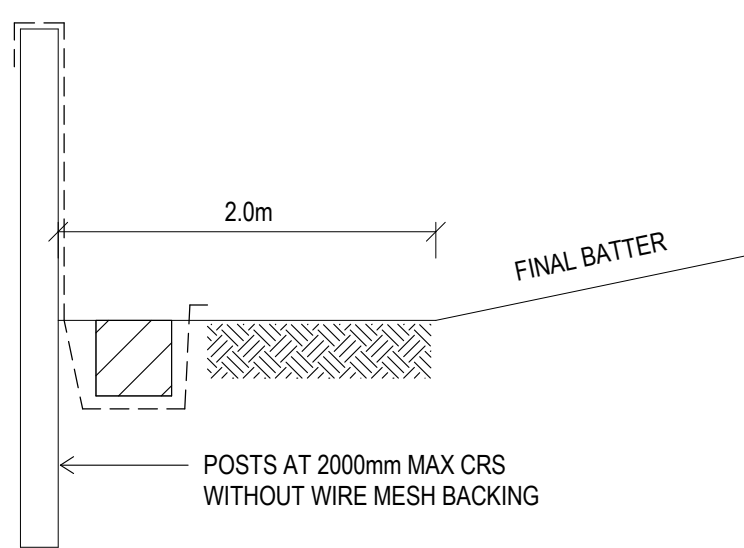
SILT FENCE PERSPECTIVE



SILT FENCE SECTION



SILT FENCE PLAN

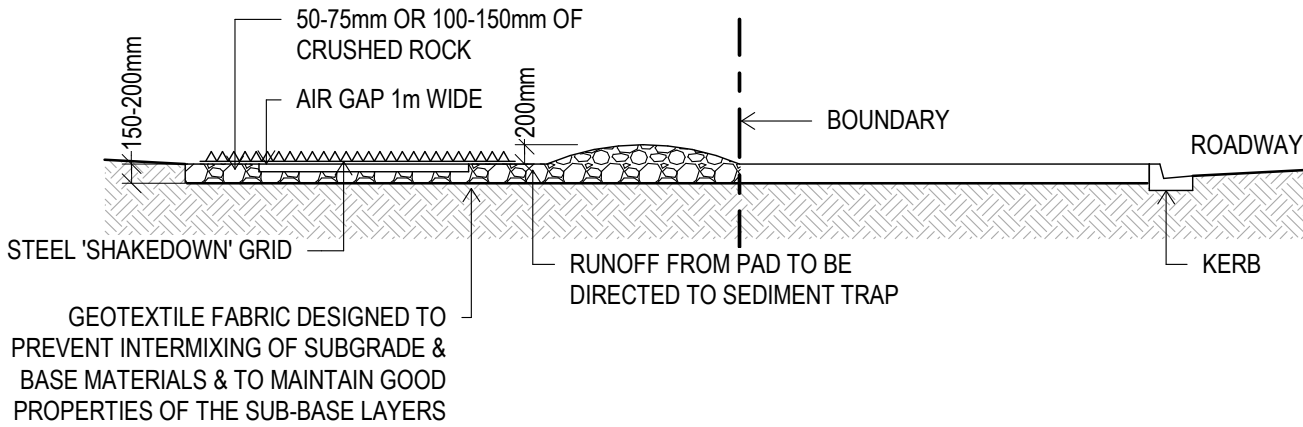
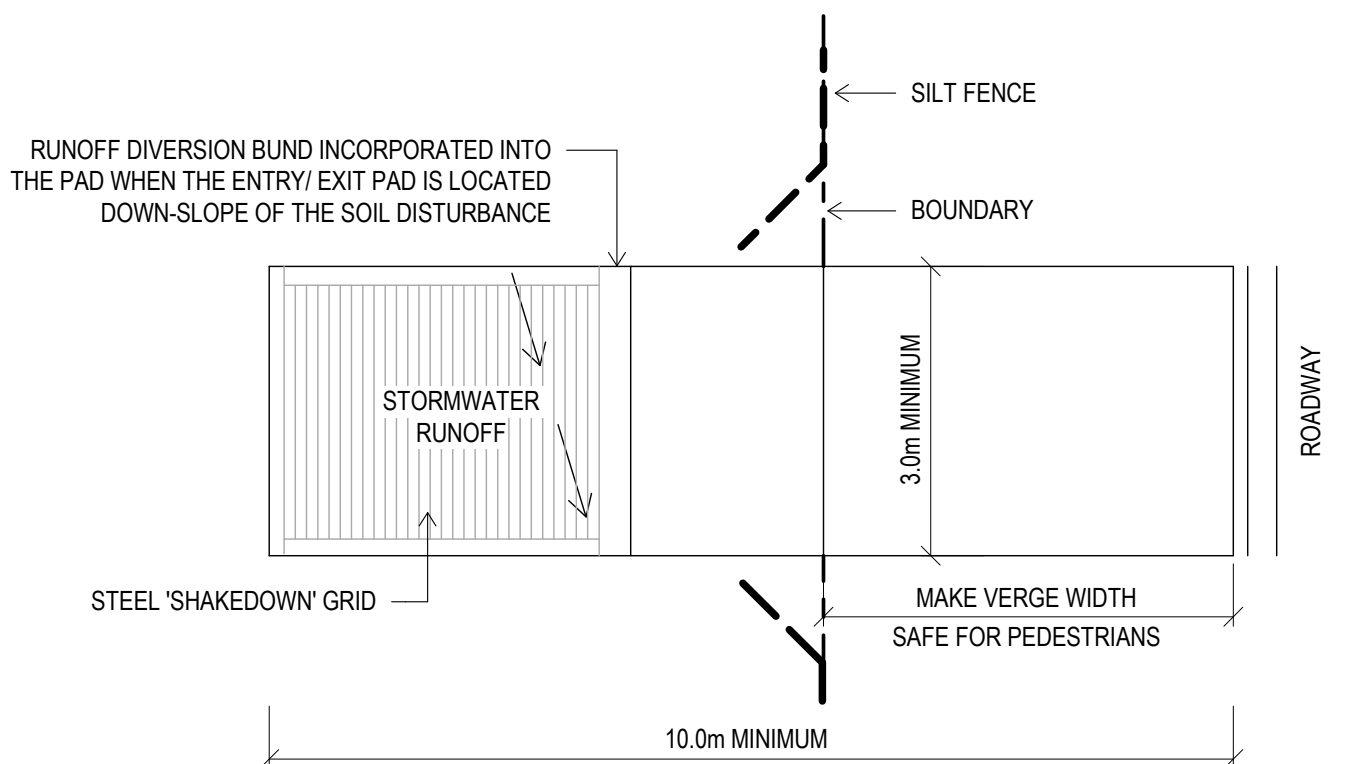


LOCATION OF FENCE RELATIVE TO BASE OF SLOPE

3

SILT FENCE DETAIL

1:20



4

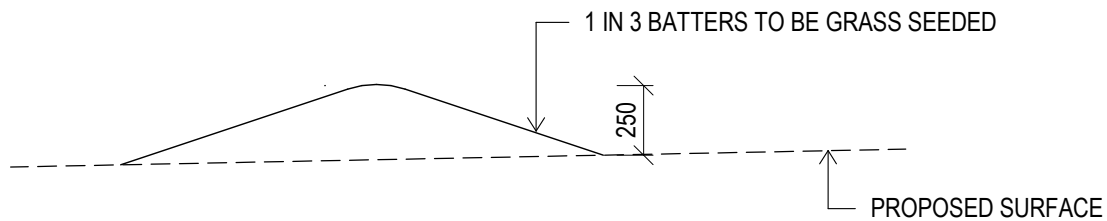
SHAKEDOWN DETAIL

1:1

10

DIVERSION DRAIN DETAIL

1:25



PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: OPW/2020/1583

Dated: 8 February 2021

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PROJECT TEAM

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Engineers Certification:

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NPER Civil
RPEQ 23936

Signature:

Date: 04 / 02 / 2021

SEDIMENT CONTROL DEVICE DETAILS
AMENDED EXTRACTS FROM IECA STANDARDS

D	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
C	FOR APPROVAL	29.01.2021	K.J.L.
B	FOR APPROVAL	13.10.2020	K.J.L.
A	FOR REVIEW	25.09.2020	K.J.L.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

LOT 1, 84-160 CHRISTENSEN ROAD SOUTH, STAPYLTON

for
MS PROJECTS

Title

SEDIMENT AND EROSION CONTROL DETAILS

Drawn	Date	Chkd	Date
K.J.L.	25.09.2020	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C102	D	

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CHRISTENSEN ROAD SOUTH

EXISTING
TENANCY 1
WAREHOUSE
AND OFFICE
FFL 9.500

EXISTING
TENANCY 2
WAREHOUSE
AND OFFICE
FFL 9.500

EXISTING WETLANDS

NOTE:
DISTURBED TENANCY BLOCKS ARE TO BE SEALED. ONCE
EARTHWORKS ARE COMPLETE, TENANCIES ARE TO BE TOP SOILED,
AND GRASS SEED AND FERTILISED.

EARTHWORKS CONSTRUCTION PROCESS:
1. CLEARING AND STRIPPING OF THE BATTER TO REAR OF THE LOT.
2. CONSTRUCT BOULDER RETAINING WALL AND FILL IN THE BATTER
AS REQUIRED FOR THE WALL CONSTRUCTION.
3. STRIP HALF THE SITE.
4. FILL AND COMPACT THE STRIPPED SECTION OF THE SITE UNDER
LEVEL 1 SUPERVISION.
5. STRIP OTHER HALF OF THE SITE.
6. FILL AND COMPACT THE STRIPPED SECTION OF THE SITE UNDER
LEVEL 1 SUPERVISION.
7. TOP SOIL AND SEAL THE SITE WITH GRASS SEED AND FERTILISER
WITHIN 10 BUSINESS DAYS FOLLOWING COMPLETION OF BULK
EARTHWORKS.

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No.: OPW/2020/1583

Dated: 8 February 2021

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Engineers Certification:

Joshua Mason MIE Aust. CPEng.
NPER Civil
RPEQ 23936

Signature: _____

Date: 04 / 02 / 2021

BULK EARTHWORKS LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
---	FUTURE EASEMENT
---	FUTURE TENANCY BOUNDARIES
---	EXTENT OF WORKS
---	EXISTING SURFACE CONTOURS
---	BULK EARTHWORKS CONTOURS
---	EXISTING SURFACE CONTOUR LABEL
---	BULK EARTHWORKS CONTOUR LABEL
---	CUT/FILL LINE
---	EXTENT OF PAVEMENT
250 THICK	PAVEMENT THICKNESS
CUT	CUT 20,306 cub.m
FILL	FILL 18,199 cub.m

NOTES:

- BULK EARTHWORKS ARE TO BE GRADED LINEARLY BETWEEN EARTHWORKS POINTS.
- REFER SEDIMENT AND EROSION CONTROL NOTES AND DETAILS.
- REFER EARTHWORKS PLAN FOR PAVEMENT ALLOWANCES.
- TOLERANCES REFER CONTRACT DOCUMENTATION
- SITE BOUNDARIES TO BE CONFIRMED BY SURVEY
- SITE SERVICES PROVIDED BY SUBDIVISION DOCUMENTATION ONLY AND IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM ALL LOCATIONS AND HEIGHTS BEFORE COMMENCING WORK

E	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
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A	FOR REVIEW	25.09.2020	K.J.L.
REV	DESCRIPTION	DATE	BY

Status

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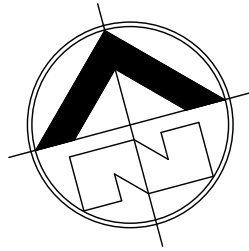
Project
**LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON**

for
MS PROJECTS

Title
BULK EARTHWORKS PLAN

Drawn	Date	Chkd	Date
K.J.L.	25.09.2020	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C111	E	

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LOT 2

PROPOSED BOULDER RETAINING WALL TO
TIE INTO EXISTING RETAINING WALL.
BOULDER RETAINING WALL IS D&C BY
OTHERS

PROPOSED BOULDER RETAINING WALL BY OTHERS.
REFER TYPICAL DETAIL ON DRAWING 19-130-C113,
INCLUDING THE REQUIREMENT FOR THE RETAINING WALL
TO BE CONSTRUCTED AT LEAST 200mm OFF THE BOUNDARY

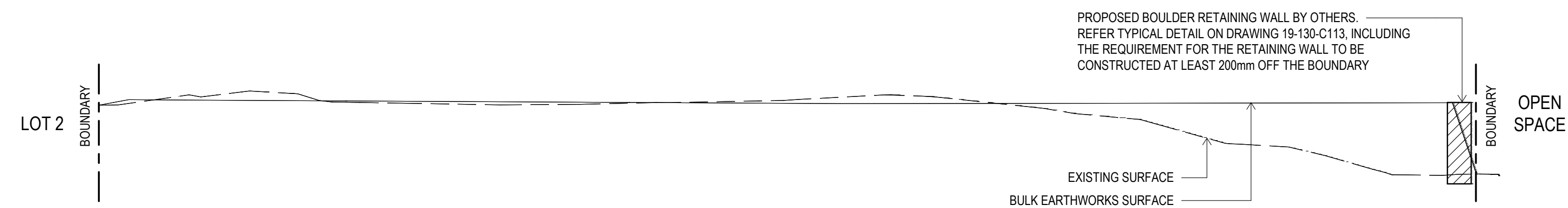
OPEN SPACE

3

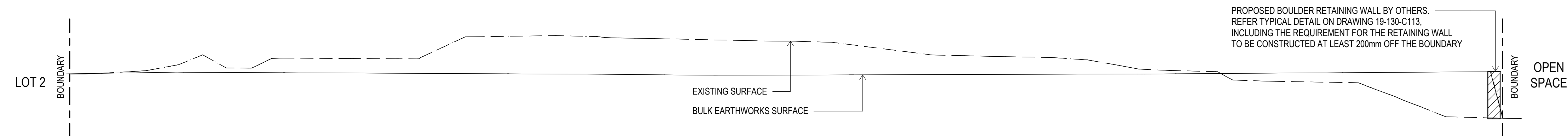
BULK EARTHWORKS PLAN

1 : 500

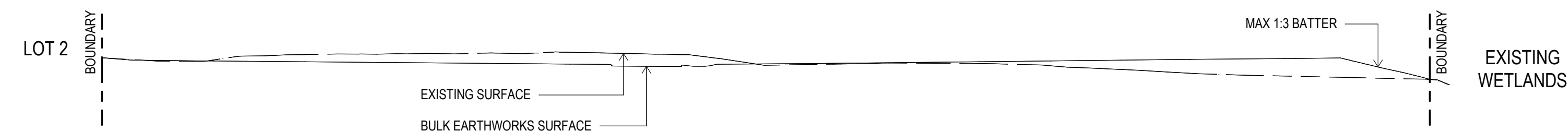
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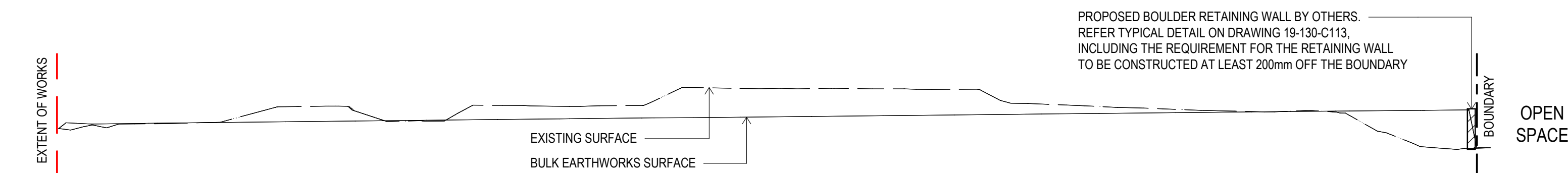
1 BULK EARTHWORKS SECTION 1
C111 1:250



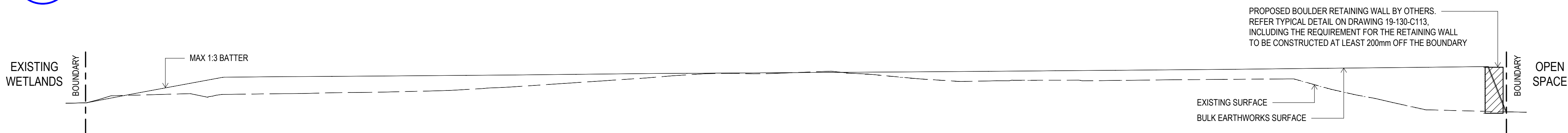
2 BULK EARTHWORKS SECTION 2
C111 1:250



3 BULK EARTHWORKS SECTION 3
C111 1:500



4 BULK EARTHWORKS SECTION 4
C111 1:500



5 BULK EARTHWORKS SECTION 5
C111 1:250

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/1583

Dated: 8 February 2021

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NOTE THAT RETAINING WALLS ARE
CONSIDERED BUILDING WORKS AND
REQUIRE A BA APPROVAL.
NOTWITHSTANDING THIS, THE ENTIRE
RETAINING WALL INCLUDING THE
FOOTING MUST HAVE A MINIMUM
SETBACK OF 200MM FROM PROPERTY
BOUNDARY.

PROJECT TEAM

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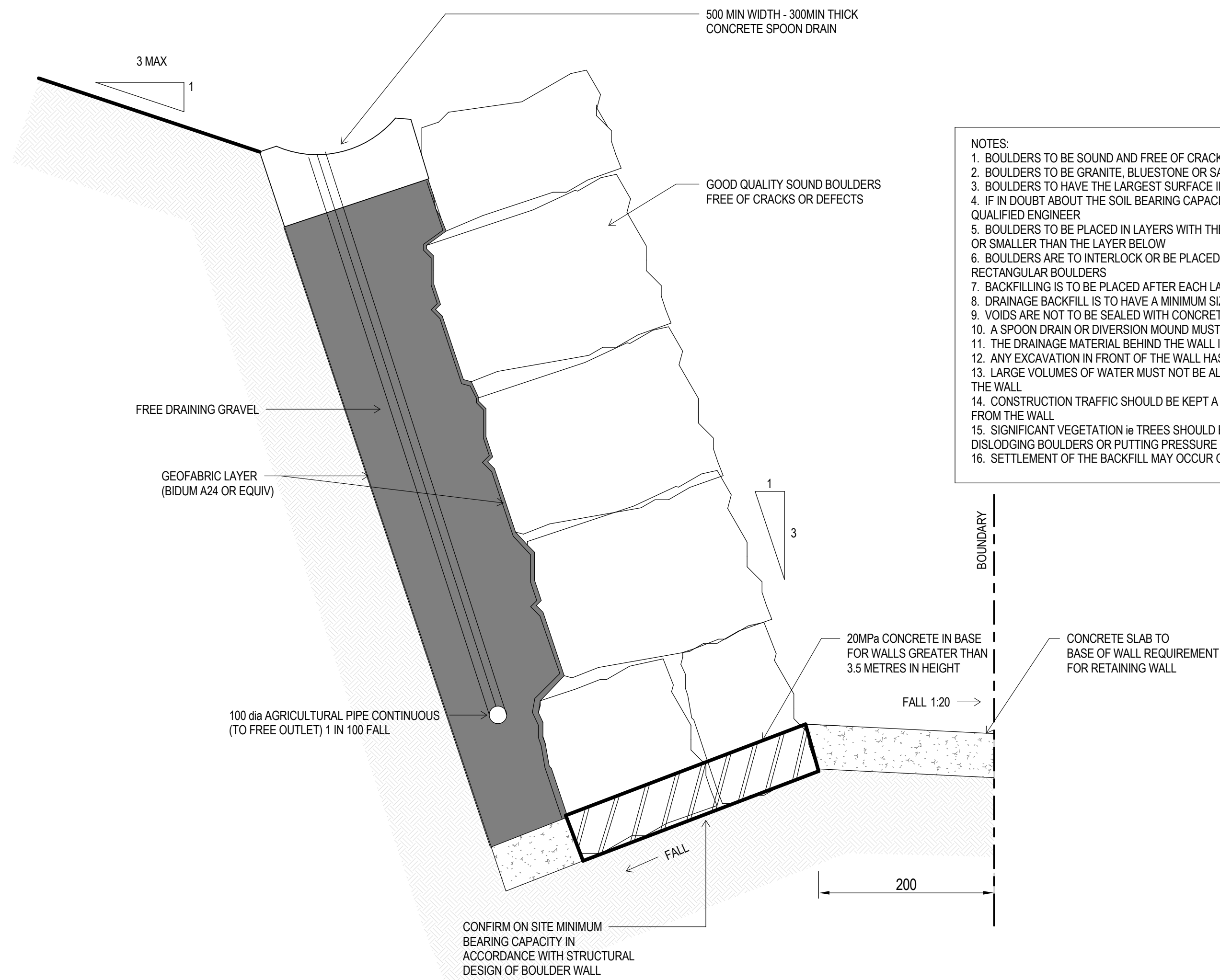
Signature:

Date: 04 / 02 / 2021

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D	FOR APPROVAL	29.01.2021	K.J.L.
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REV	DESCRIPTION	DATE	BY

Status			
FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION			
Project			
LOT 1, 84-160 CHRISTENSEN ROAD SOUTH, STAPYLTON			
for MS PROJECTS			
Title			
BULK EARTHWORKS SECTIONS			
Drawn	Date	Chkd	Date
K.J.L.	25.09.2020	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C112	E	
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NOTE: BOULDER RETAINING WALL TO BE DESIGNED AND CERTIFIED BY OTHERS



- NOTES:
1. BOULDERS TO BE SOUND AND FREE OF CRACKS OR OTHER DEFECTS
 2. BOULDERS TO BE GRANITE, BLUESTONE OR SANDSTONE
 3. BOULDERS TO HAVE THE LARGEST SURFACE IN THE HORIZONTAL PLANE ie LAID FLAT
 4. IF IN DOUBT ABOUT THE SOIL BEARING CAPACITY, ADVICE MUST BE SORT FROM SUITABLY QUALIFIED ENGINEER
 5. BOULDERS TO BE PLACED IN LAYERS WITH THE BOULDERS IN EACH LAYER BEING THE SAME SIZE OR SMALLER THAN THE LAYER BELOW
 6. BOULDERS ARE TO INTERLOCK OR BE PLACED IN A STRETCHER BOND FOR SQUARE OR RECTANGULAR BOULDERS
 7. BACKFILLING IS TO BE PLACED AFTER EACH LAYER IS PLACED
 8. DRAINAGE BACKFILL IS TO HAVE A MINIMUM SIZE OF 20mm AND BE FREE OF FINES
 9. VOIDS ARE NOT TO BE SEALED WITH CONCRETE OR OTHER IMPERVIOUS MATERIAL
 10. A SPOON DRAIN OR DIVERSION MOUND MUST BE INCLUDED IN THE FINAL LANDSCAPING
 11. THE DRAINAGE MATERIAL BEHIND THE WALL IS NOT SUITABLE TO SUPPORT FENCE POSTS
 12. ANY EXCAVATION IN FRONT OF THE WALL HAS THE POTENTIAL TO CAUSE INSTABILITY
 13. LARGE VOLUMES OF WATER MUST NOT BE ALLOWED TO CONCENTRATE AT ANY POINT BEHIND THE WALL
 14. CONSTRUCTION TRAFFIC SHOULD BE KEPT A DISTANCE EQUIVALENT TO THE WALL HEIGHT BACK FROM THE WALL
 15. SIGNIFICANT VEGETATION ie TREES SHOULD BE KEPT AT A DISTANCE TO PREVENT THE ROOTS DISLODGING BOULDERS OR PUTTING PRESSURE ON THE WALL
 16. SETTLEMENT OF THE BACKFILL MAY OCCUR OVER TIME

1 BOULDER RETAINING WALL DETAIL NTS

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

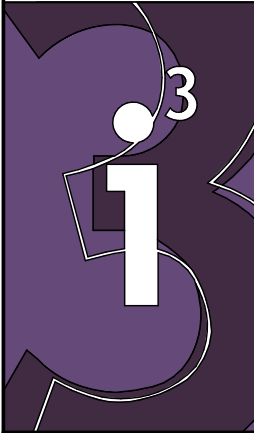
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REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project
LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON

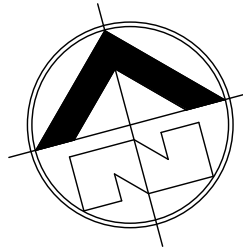
for
MS PROJECTS

Title
BULK EARTHWORKS DETAILS

Drawn K.J.L.	Date 25.09.2020	Chkd T.J.S.	Date
Design K.J.L.	Date	Apprd	Date
Scale 1 : 1000	A1	Certif	Date
Project No. 19-130	Dwg. No. C113	Rev C	

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CHRISTENSEN ROAD SOUTH



NOTE:
DISTURBED TENANCY BLOCKS ARE TO BE SEALED.
ONCE EARTHWORKS ARE COMPLETE, TENANCIES
ARE TO BE TOP SOILED, AND GRASS SEEDED AND
FERTILISED.

PROJECT TEAM

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RPEQ 23936

Signature:

Date: 04 / 02 / 2021

FINISHED SURFACE LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
---	FUTURE EASEMENT
---	FUTURE TENANCY BOUNDARIES
---	EXTENT OF WORKS
---	FINISHED SURFACE CONTOURS
12.00	CONTOUR INTERVAL
---	VALLEY LINE
---	RIDGE LINE
12.00	FINISHED SURFACE SPOT HEIGHT
---	PROPOSED CONCRETE ACCESS

NOTES:

- SLABS ARE TO BE GRADED LINEARLY BETWEEN FINISHED SURFACE POINTS.
- REFER SEDIMENT AND EROSION CONTROL NOTES AND DETAILS.
- TOLERANCES REFER CONTRACT DOCUMENTATION.
- SITE BOUNDARIES TO BE CONFIRMED BY SURVEY.
- SITE SERVICES PROVIDED BY SUBDIVISION DOCUMENTATION AND SURVEY ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM ALL LOCATIONS AND HEIGHTS BEFORE COMMENCING WORK.
- IF KERB, CHANNEL OR FOOTPATH DAMAGED IN CONSTRUCTION, CONTRACTOR TO REINSTATE AS PER COUNCIL REQUIREMENTS.

E	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
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FOR APPROVAL
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Project
LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON

for
MS PROJECTS

Title
FINISHED SURFACE PLAN

Drawn	Date	Chkd	Date
K.J.L.	25.09.2020	T.J.S.	
Design	Date	Apprd	Date
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Project No.	Dwg. No.	Rev	
19-130	C121	E	

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4/02/2021 3:42:39 PM

1 FINISHED SURFACE PLAN

1 : 500

ALLOWANCE FOR FUTURE SITE
INTERCONNECTION RAMP

PROPOSED BOULDER RETAINING WALL TO
TIE INTO EXISTING RETAINING WALL.
BOULDER RETAINING WALL IS D&C BY
OTHERS

EXISTING
TENANCY 1
WAREHOUSE
AND OFFICE
FFL 9.500

EXISTING
TENANCY 2
WAREHOUSE
AND OFFICE
FFL 9.500

EXISTING WETLANDS

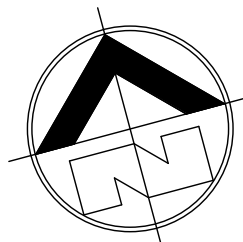
OPEN SPACE

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

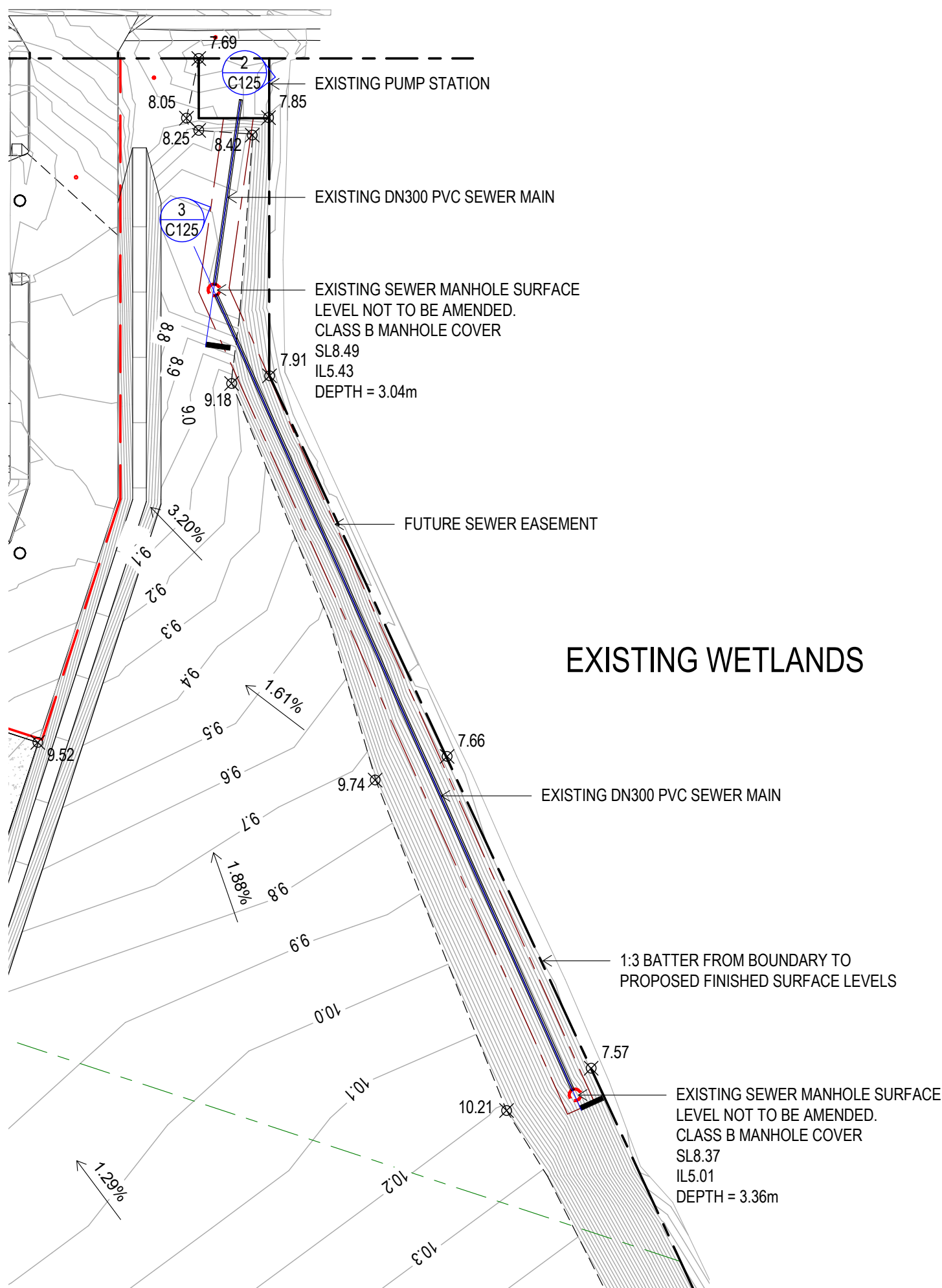
Application No: OPW/2020/1583

Dated: 8 February 2021

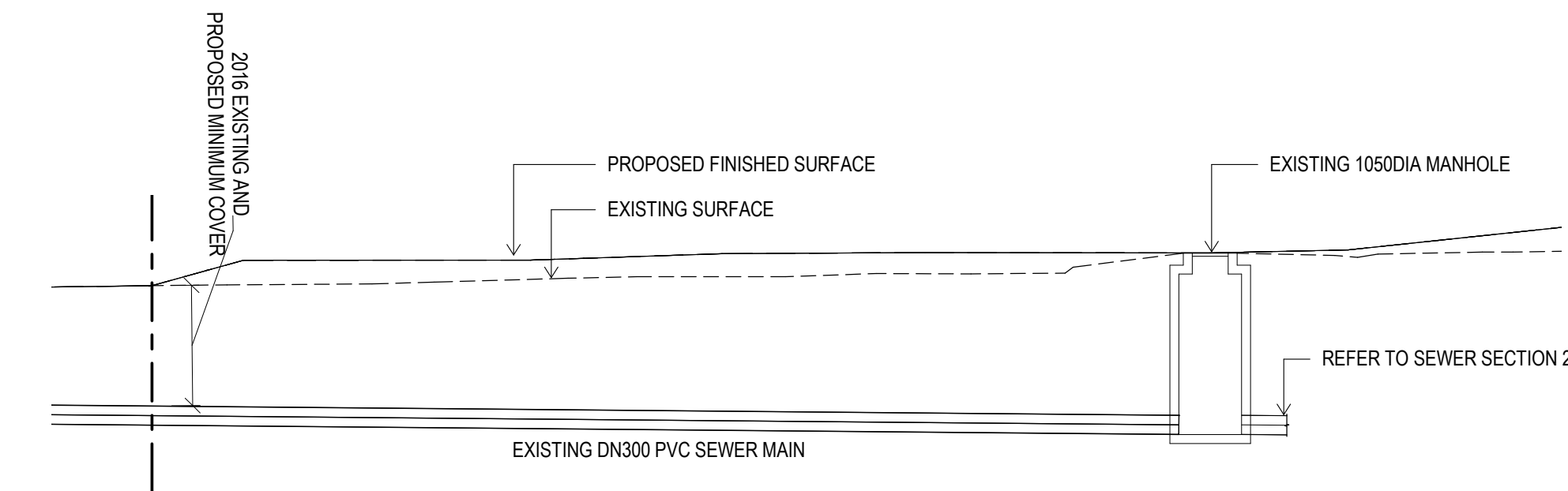
Development shall comply with the
conditions of approval as detailed in the
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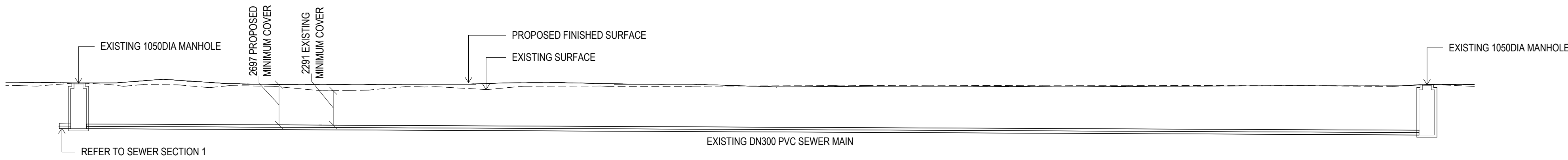
CHRISTENSEN ROAD SOUTH



1 FINISHED SURFACE PLAN
1 : 500



2 SEWER SECTION 1
C21 1 : 100



3 SEWER SECTION 2
C21 1 : 200

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No.: OPW/2020/1583

Dated: 8 February 2021

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THIS OPERATIONAL WORKS APPROVAL
COVERS THE CHANGE TO GROUND LEVEL
AND STORMWATER CONNECTION WORKS
ONLY, ALL OTHER WORKS SHOWN IN THE
PLAN ARE NOT PART OF THIS
ASSESSMENT AND APPROVAL.

PROJECT TEAM

Consulting Engineer:



i³ consulting pty ltd
engineering consultants
innovation, ingenuity, inspiration
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Toowong, Qld 4066 Toowong, Qld 4066
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ABN 89 106 675 156 ACN 106 675 156
p 07 3870 8888

Engineers Certification:

Joshua Mason MIE Aust. CPEng.
NPER Civil
RPEQ 23936

Signature:

Date: 04 / 02 / 2021

D	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
C	FOR APPROVAL	29.01.2021	K.J.L.
B	MINOR AMENDMENT	27.11.2020	K.J.L.
A	COUNCIL RFI RESPONSE	23.11.2020	K.J.L.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

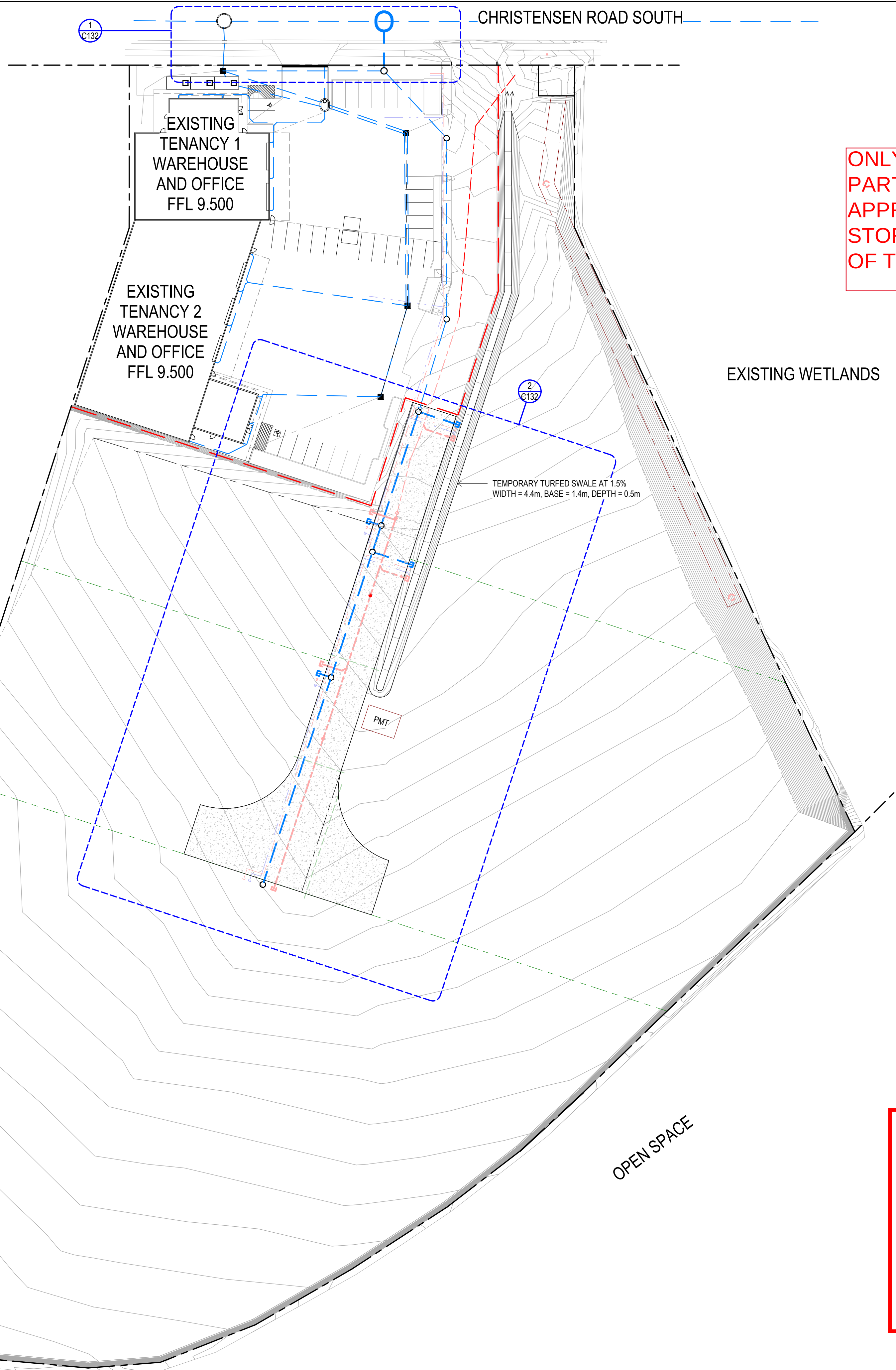
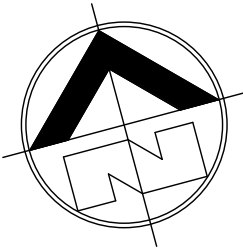
Project
LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON

for
MS PROJECTS

Title
EXISTING SERVICES PLAN

Drawn K.J.L.	Date 25.09.2020	Chkd T.J.S.	Date 04.02.2021
Design K.J.L.	Date 25.09.2020	Apprd T.J.S.	Date 04.02.2021
Scale As indicated	A1	Certif T.J.S.	Date 04.02.2021
Project No. 19-130	Dwg. No. C125	Rev D	

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NOTE:
STORMWATER PIPES TO EXTEND PAST
PROPOSED CONCRETE PAVEMENT 750mm

ONLY STORMWATER CONNECTIONS ARE
PART OF THIS OPERATIONAL WORKS
APPROVAL, INTERNAL PRIVATE
STORMWATER DRAINAGES ARE NOT PART
OF THIS OPERATIONAL WORKS APPROVAL.

PROJECT TEAM

Consulting Engineer:

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Engineers Certification:

Joshua Mason MIE Aust. CPEng.
NPER Civil
RPEQ 23936

Signature:

Date: 04 / 02 / 2021

STORMWATER LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
---	FUTURE EASEMENT
---	FUTURE TENANCY BOUNDARIES
---	EXTENT OF WORKS
---	FINISHED SURFACE CONTOURS
---	STORMWATER EXISTING
---	PROPOSED UNDERGROUND STORMWATER
---	PROPOSED CONCRETE ACCESS

NOTES:

- ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH AS/NZS 3500.3.
- ALL REINFORCE CONCRETE PIPES TO BE CLASS 2, RUBBER JOINT, UNLESS NOTED OTHERWISE.
- LAYING OF PIPES TO BE IN ACCORDANCE WITH AS/NZS 3500.3.

F	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
E	FOR APPROVAL	29.01.2021	K.J.L.
D	COUNCIL RFI RESPONSE	23.11.2020	K.J.L.
C	FOR APPROVAL	13.10.2020	K.J.L.
B	FOR REVIEW	12.10.2020	K.J.L.
A	FOR REVIEW	25.09.2020	K.J.L.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project
LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON

for
MS PROJECTS

Title
STORMWATER PLAN

Drawn K.J.L.	Date 25.09.2020	Chkd T.J.S.	Date
Design K.J.L.	Date	Apprd	Date
Scale As indicated	A1	Certif	Date
Project No. 19-130	Dwg. No. C131	Rev F	

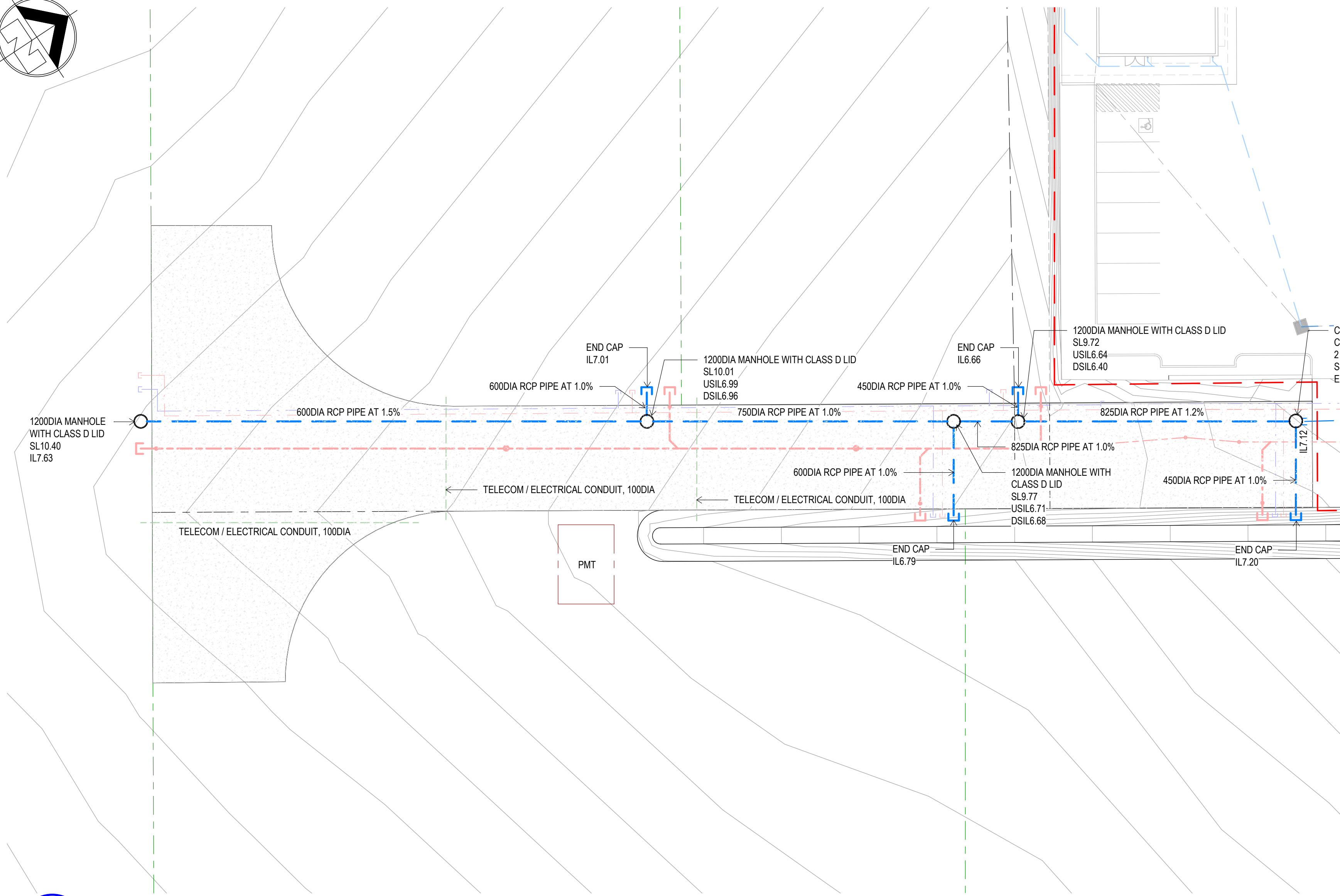
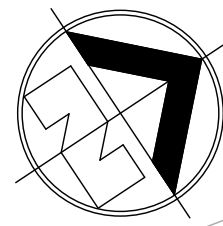
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PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/1583

Dated: 8 February 2021

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DEVELOPMENT APPROVAL

Application No: OPW/2020/1583

Dated: 8 February 2021

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PROJECT TEAM

Consulting Engineer:

1

3

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Engineers Certification:

Joshua Mason MIE Aust. CPEng.
NPER Civil
RPEQ 23936

Signature:

Date: 04 / 02 / 2021

STORMWATER LEGEND

LINE	DESCRIPTION
	PROPERTY BOUNDARY
	FUTURE EASEMENT
	FUTURE TENANCY BOUNDARIES
	EXTENT OF WORKS
	FINISHED SURFACE CONTOURS
	STORMWATER EXISTING
	PROPOSED UNDERGROUND STORMWATER
	PROPOSED CONCRETE ACCESS

- NOTES:
- ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH AS/NZS 3500.3.
 - ALL REINFORCE CONCRETE PIPES TO BE CLASS 2, RUBBER JOINT, UNLESS NOTED OTHERWISE.
 - LAYING OF PIPES TO BE IN ACCORDANCE WITH AS/NZS 3500.3.

E	FOR COUNCIL REVIEW	04.02.2021	K.J.L.
D	FOR APPROVAL	29.01.2021	K.J.L.
C	FOR APPROVAL	13.10.2020	K.J.L.
B	FOR REVIEW	12.10.2020	K.J.L.
A	FOR REVIEW	25.09.2020	K.J.L.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project
LOT 1, 84-160 CHRISTENSEN
ROAD SOUTH, STAPYLTON

for
MS PROJECTS

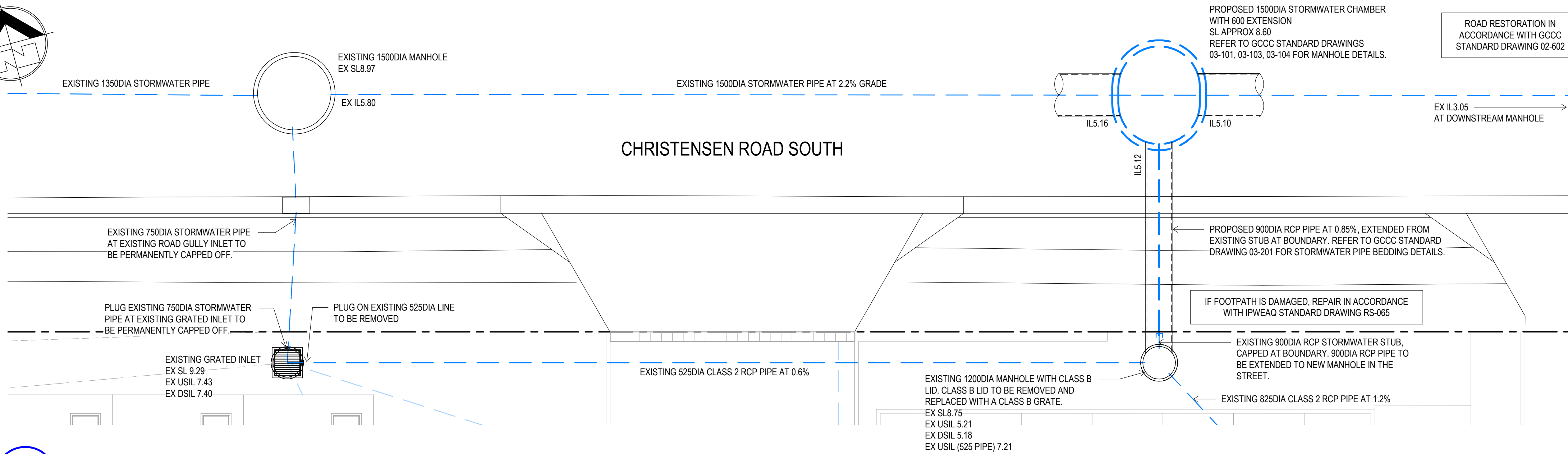
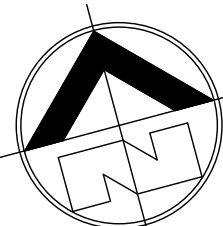
Title
STORMWATER DETAILS SHEET 1

Drawn	Date	Chkd	Date
K.J.L.	25.09.2020	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C132	E	

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2 STORMWATER DETAIL 1

C131 1:250



1 STORMWATER DETAIL 2

C131 1:100