

### LOCALITY PLAN NTS

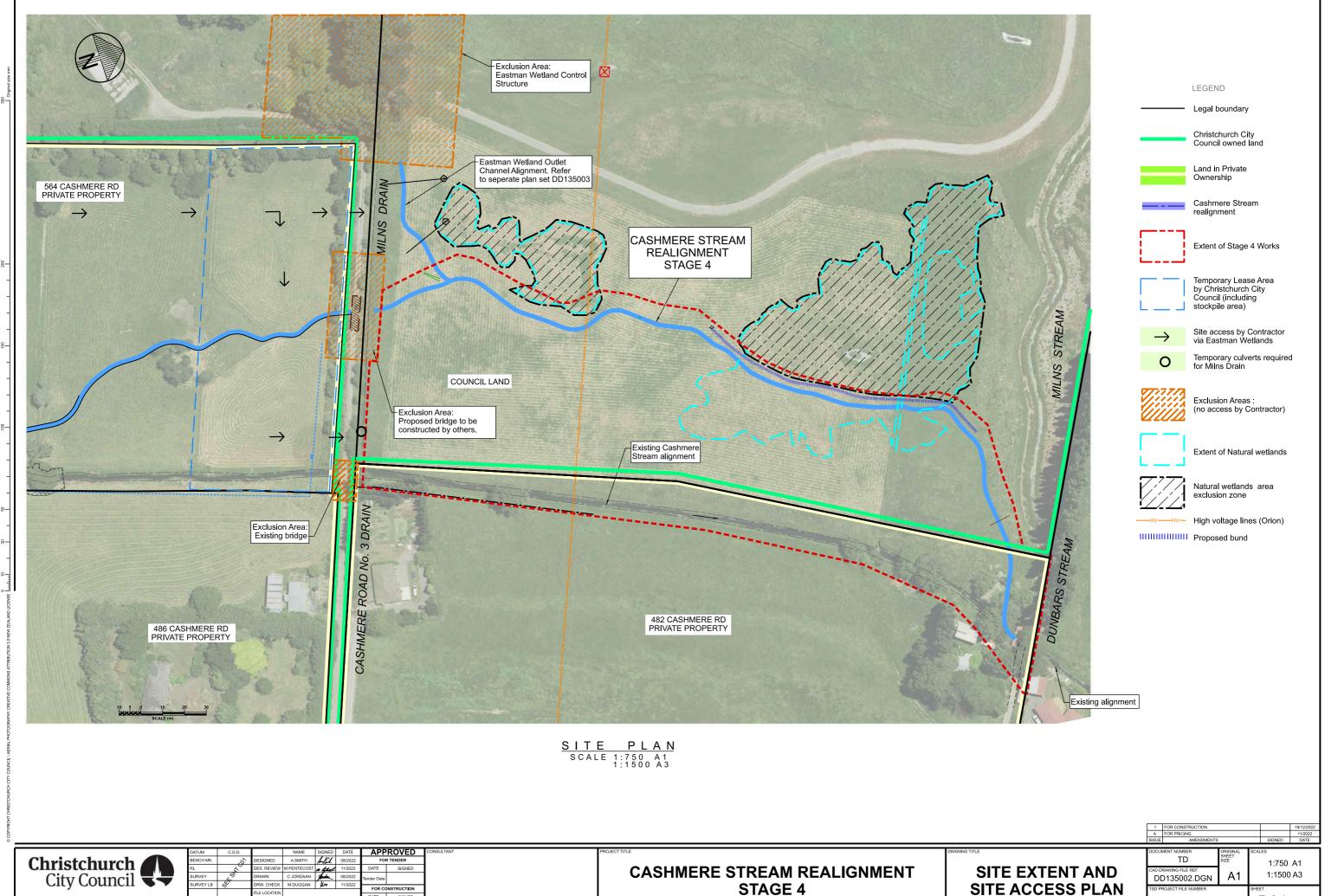
### DRAWING INDEX

CONS	TRUCTION	STA	TUS ISSUE			COMMENTS
No.	DRAWING TITLE	CAD No	DAY	: 4	01	
			MONTH	11	02	
			YEAR	22	23	
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D01	Site Extent and Site Access Plan	DD135002 For	construction	Α	1	
D02	Overall Stage 4 Realignment Plan	DD135002 For	construction	А	1	
D03	Demolition and Tree Removal Plan	DD135002 For	construction	Α	1	
D04	Construction Plan 1: Chainage 360-450	DD135002 For	construction	Α	1	
D05	Construction Plan 2: Chainage 450-560	DD135002 For	construction	Α	1	
D06	Construction Plan 3: Chainage 560-680	DD135002 For	construction	Α	1	
D07	Construction Plan 4: Chainage 680-end	DD135002 For	construction	Α	1	
D08	Construction Plan 5: Backfill of existing stream and Fence Layout	DD135002 For	construction	Α	1	
D09	Cross sections 1	DD135002 For	construction	Α	1	
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D11	Typical In-stream Features; Details A-B	DD135002 For	construction	Α	1	
D12	Typical In-stream Features; Details C-D	DD135002 For	construction	Α	1	
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D21	Pipework Longitudinal Profiles and Detail	DD135002 For	construction	Α	1	

LAN	D S C A P I N G	ISSUE COMMENTS
L01	Planting Plan 1	LP404701 For construction A 1
L02	Planting Plan 2	LP404701 For construction A 1 TO BE
L03	Planting Plan 3	LP404701 For construction A 1 PROVIDED
L04	Planting Plan 4	LP404701 For construction A 1
L05	Overall Plant List	LP404701 For construction A 1

	DATUM	C.D.D.	1		GNED DATE	APPROVE	ED	CONSULTANT		PROJECT TITLE	DRAWING TITLE
Christchurch	BENCH MK.	BM 3293	DESIGNED A	SMITH	<b>J</b> 08/2022	FOR TENDER	:				
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	<u> </u>	FOR CONSTRUCTION FOR PRICING AMENDMENTS			SIGNED	19/12/2022 11/2022 DATE
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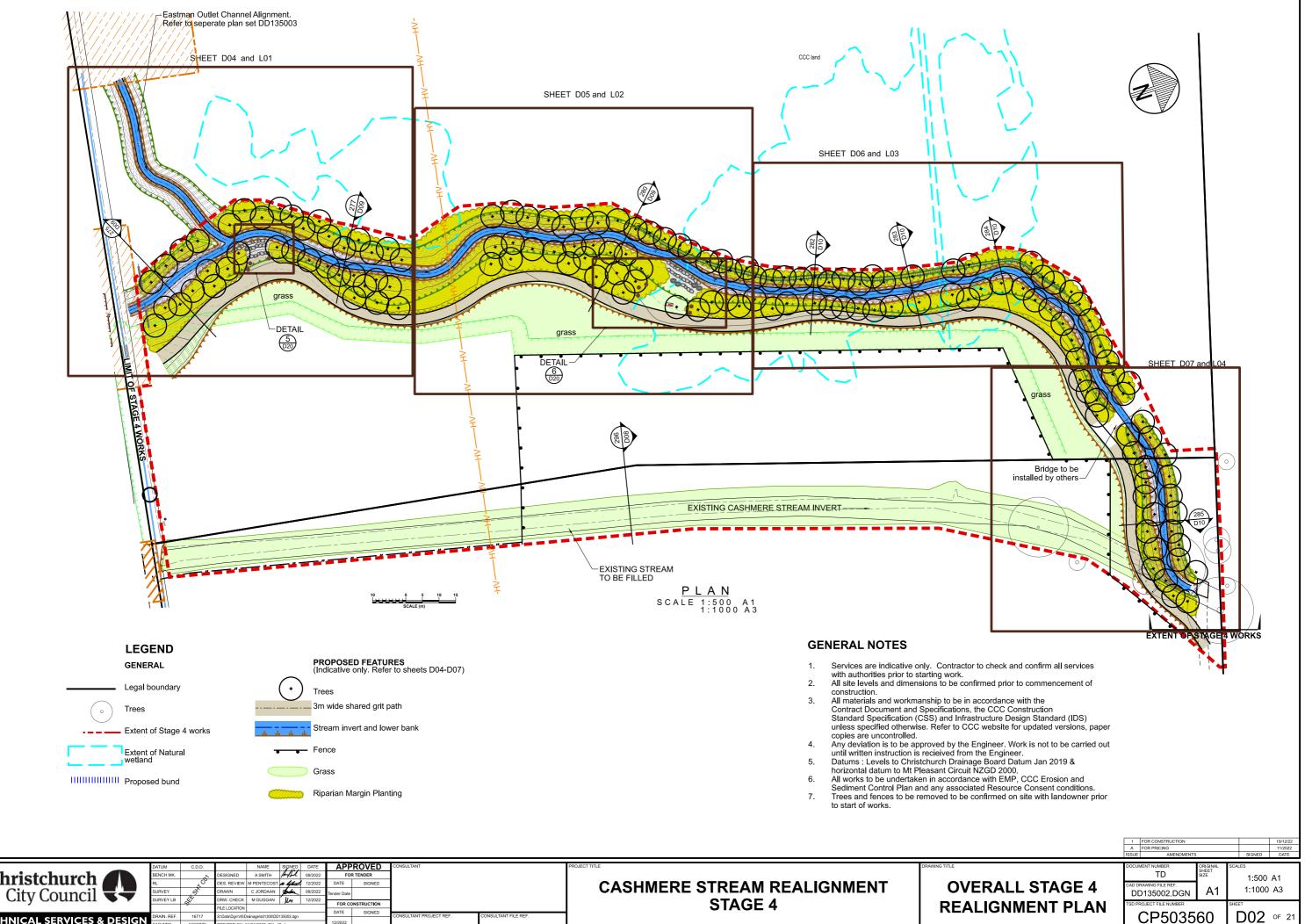


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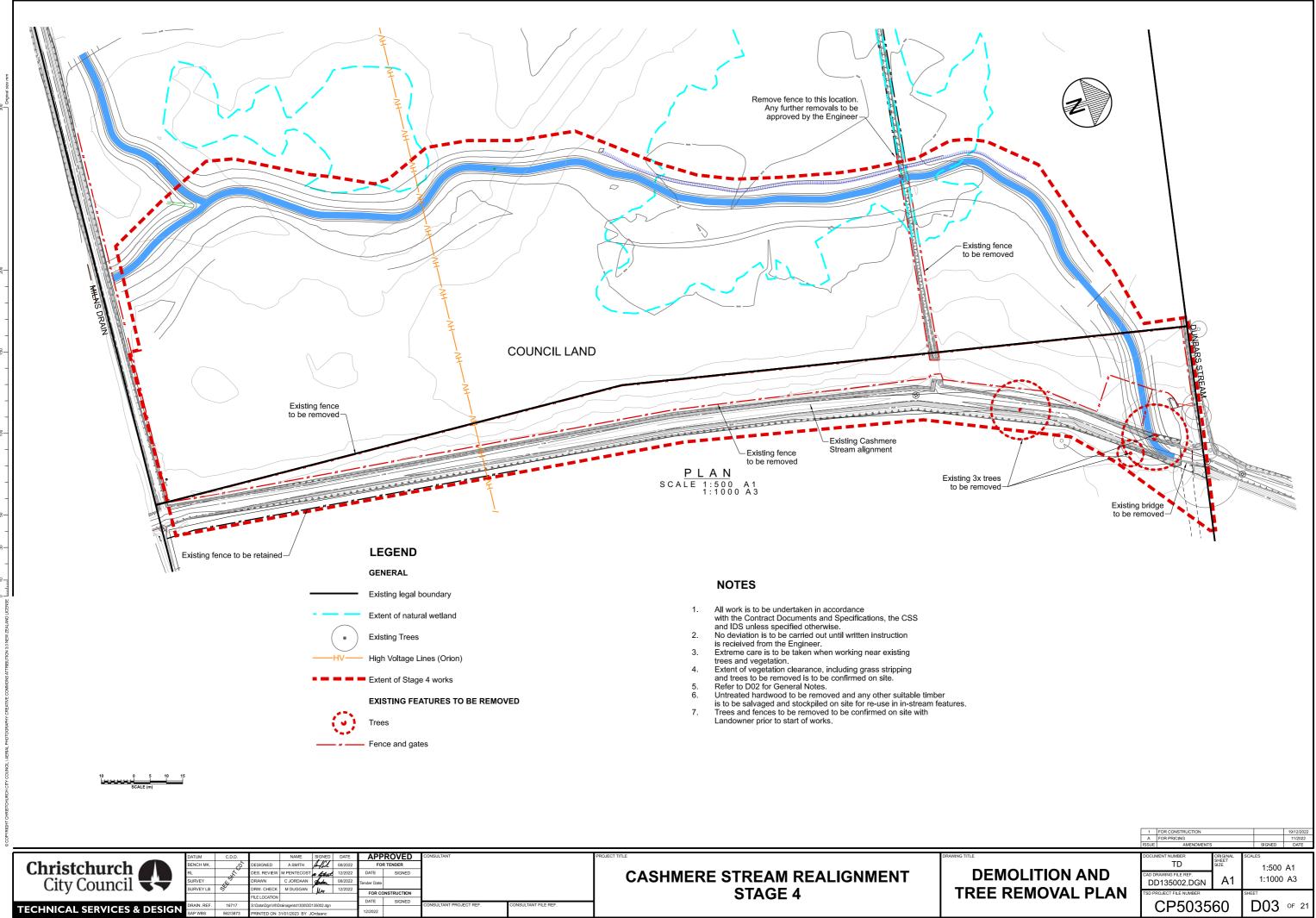
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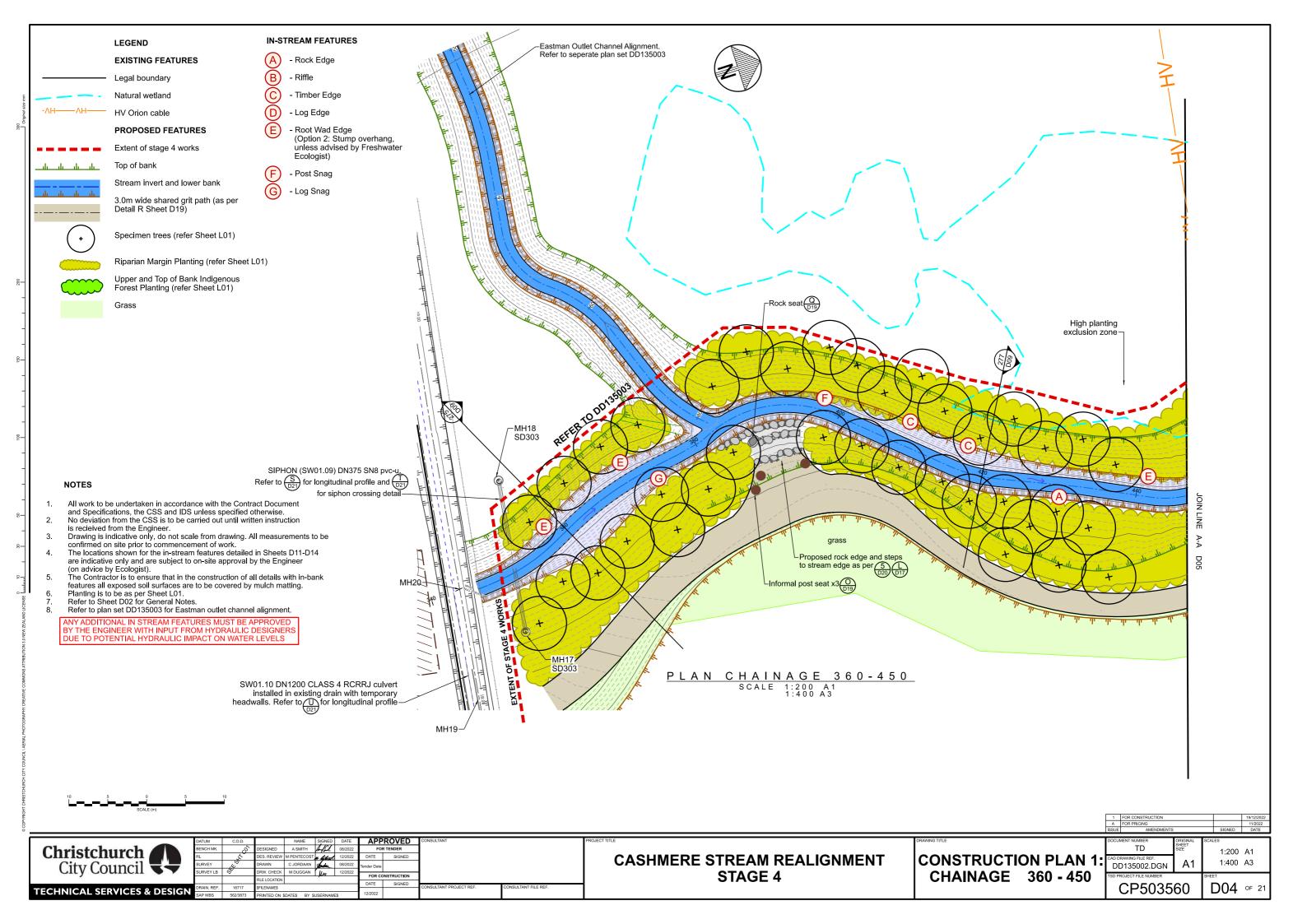
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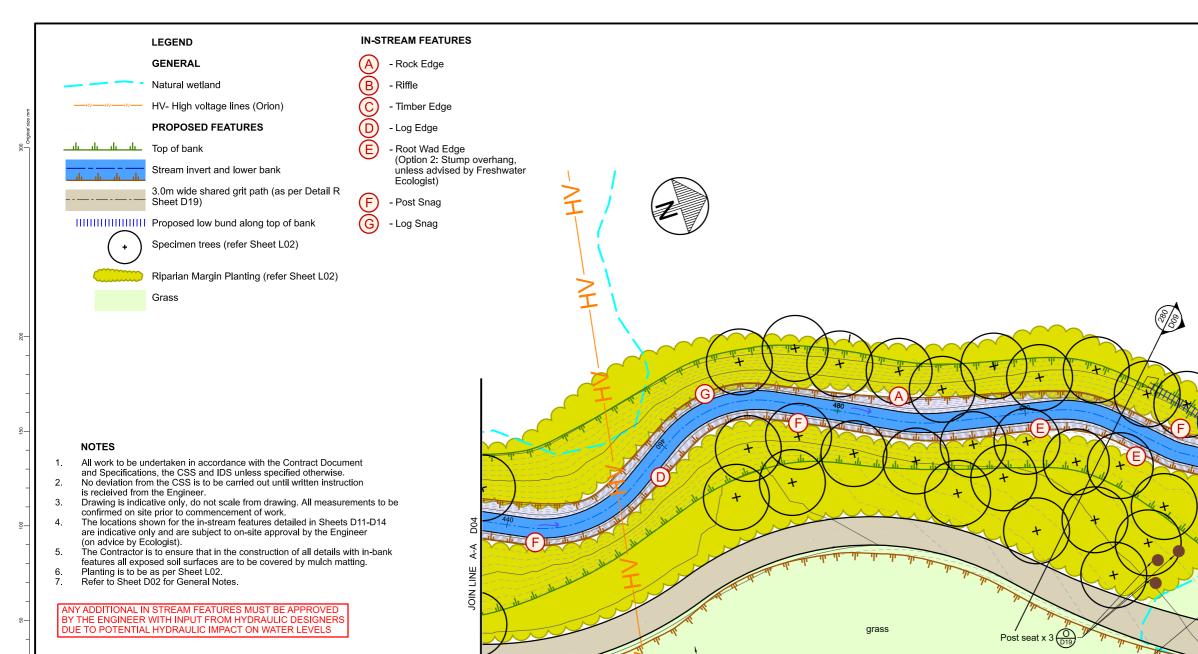


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PLAN CHAINAGE 450-560 SCALE 1:200 A1 1:400 A3

Proposed rock edge and steps 6 L D20 D17

Note: Only 2 steps may be required

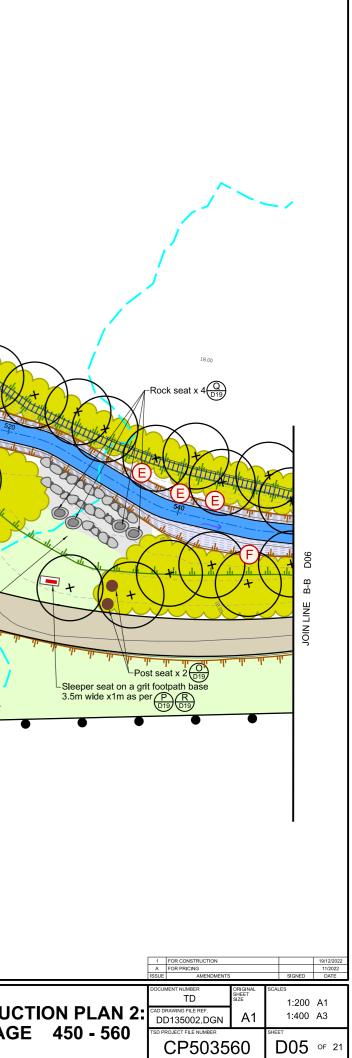
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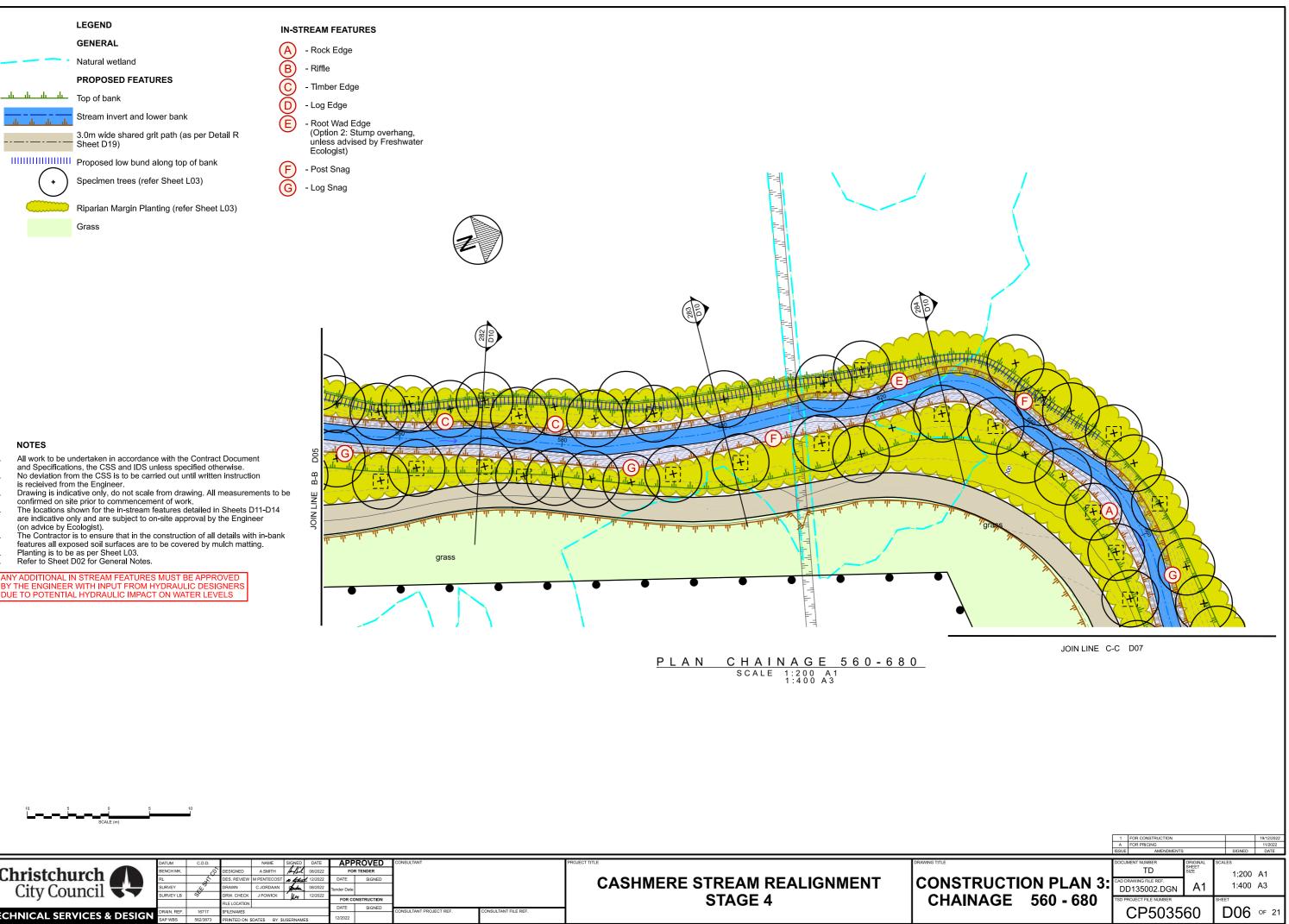
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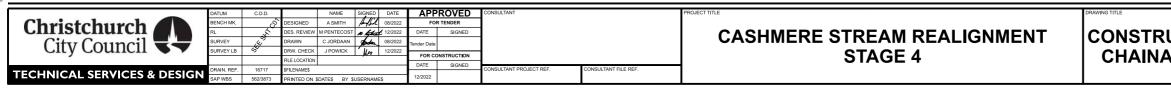
-High planting

exclusion zone

NH-







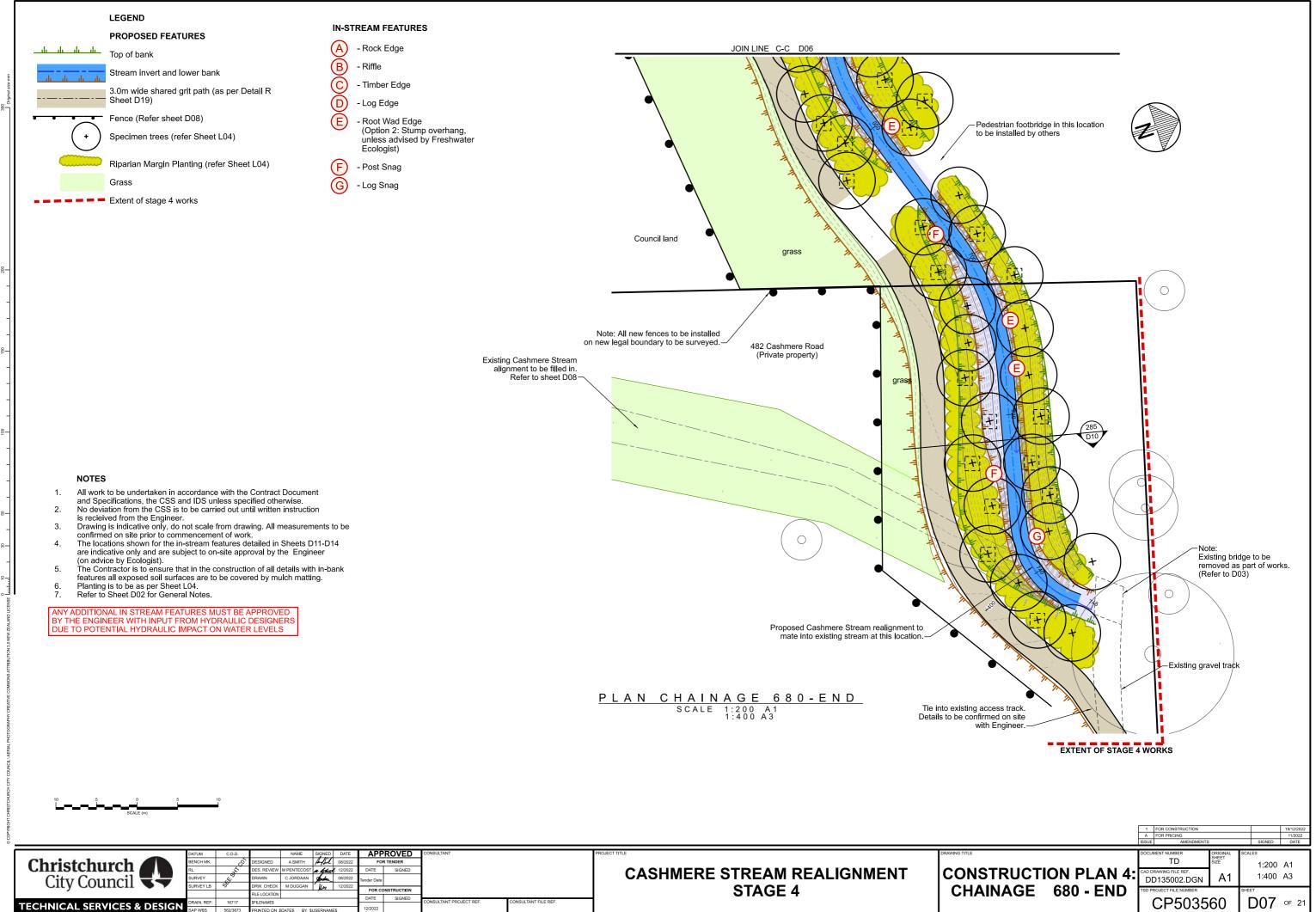
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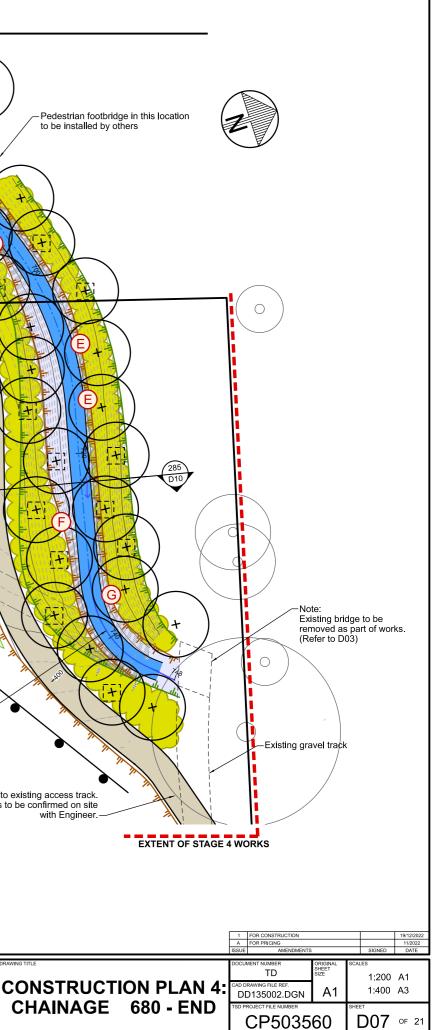
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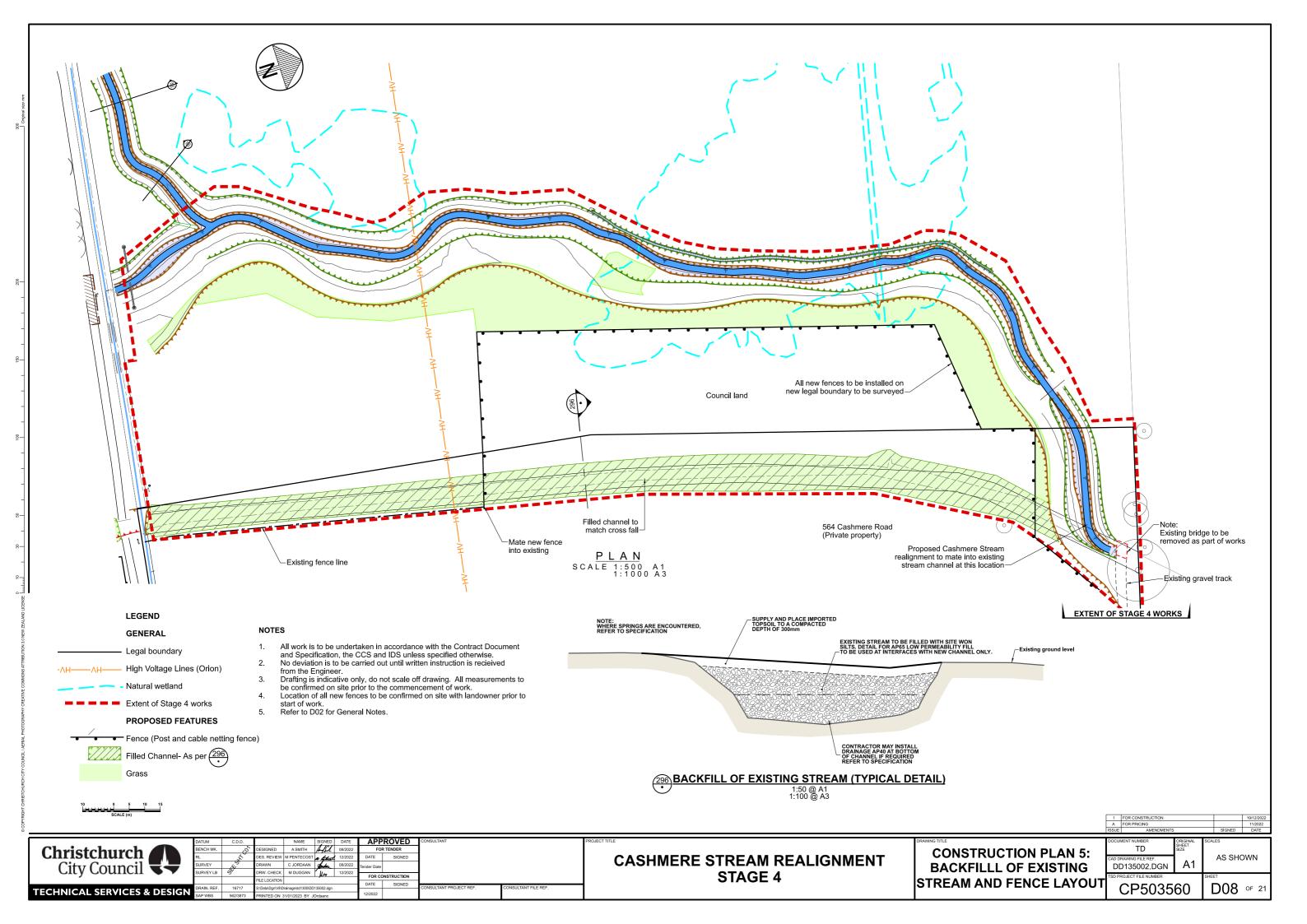
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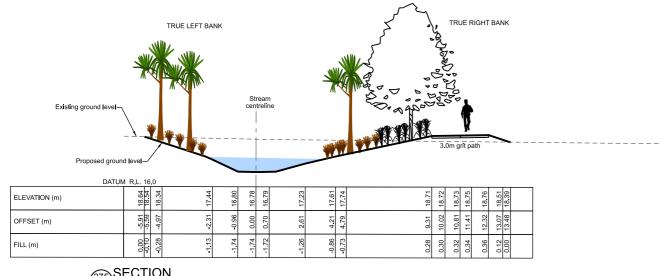
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CASHMERE STREAM REALIGNMENT	CONS
STAGE 4	СНА







SECTION SCALE 1:100 A1 1:200 A3 - D02

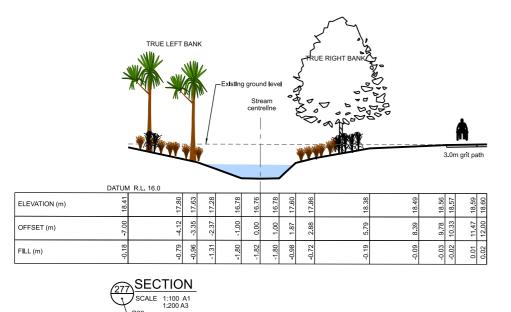
L D02 D04

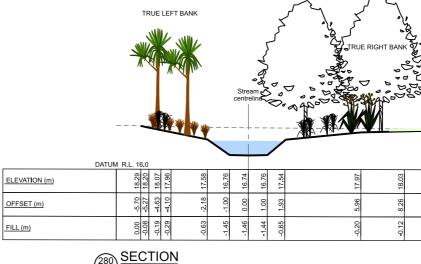
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SECTION SCALE 1:100 A1 1:200 A3 \\_<sub>D02</sub> D04

NOTES

1. Proposed in-stream features are not shown on these sections as locations are subject to change.

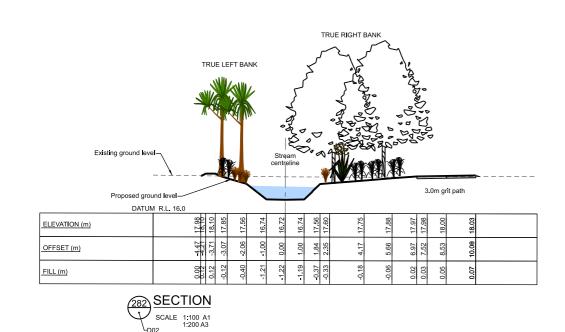
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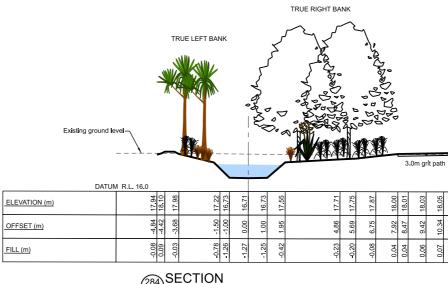
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9.88	12.34	13.17	13.72	16.68	17.46	17.95	18.80	19.66	
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grass

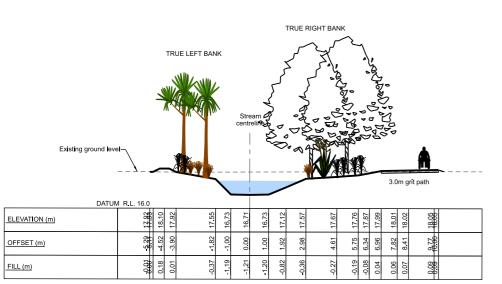
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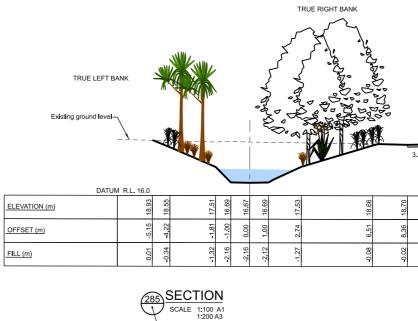


SECTION SCALE 1:100 A1 1:200 A3 D02



283 SECTION SCALE 1:100 A1 1:200 A3 D02

LD02 D06



-D02

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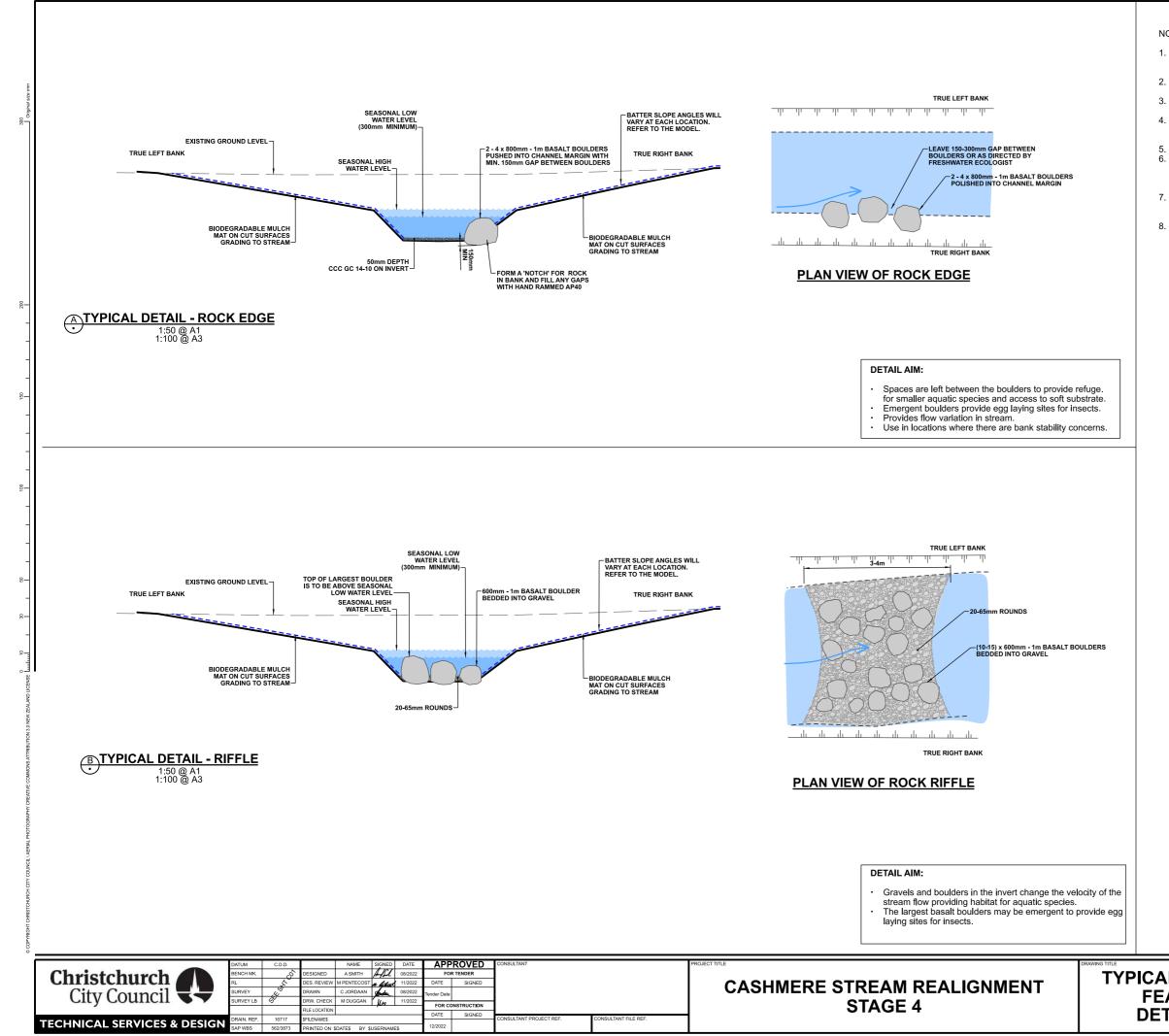
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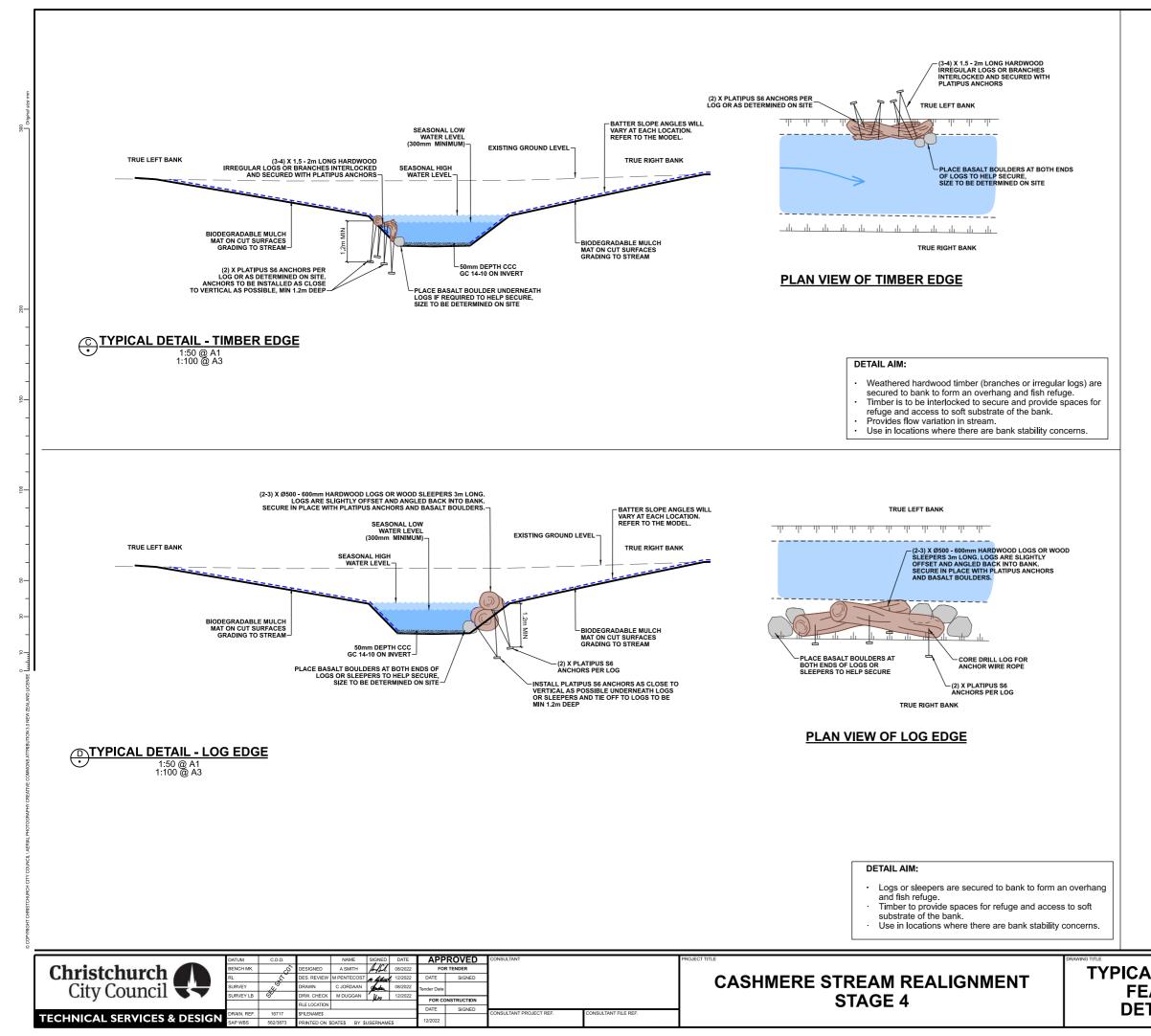
18.03	18.05	18.06	
9.42	10.34	10.92	
0.06	0.07	0.08	



- 1. All work is to be undertaken in accordance with the contract document and specifications, the CSS and IDS unless specified otherwise.
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- 4. Drawing is indicative only. Do not scale off drawing. All measurements to be confirmed on site prior to commencement
- of work.
- Refer to sheet D02 for general notes.
   The exact extent and location of these details is subject to on-site approval by the Engineer and Freshwater Ecologist, including detail type, placement of timber, basalt boulders and cobbles.
- The Contractor is to ensure that all boulders and gravels are to be placed under the direction of CCC's Freshwater Ecologist, including gaps between boulders.
   Exact numbers of boulders for each location to be determined
- on site.

	ISSUE AMENDMENTS				SIGNED	DATE
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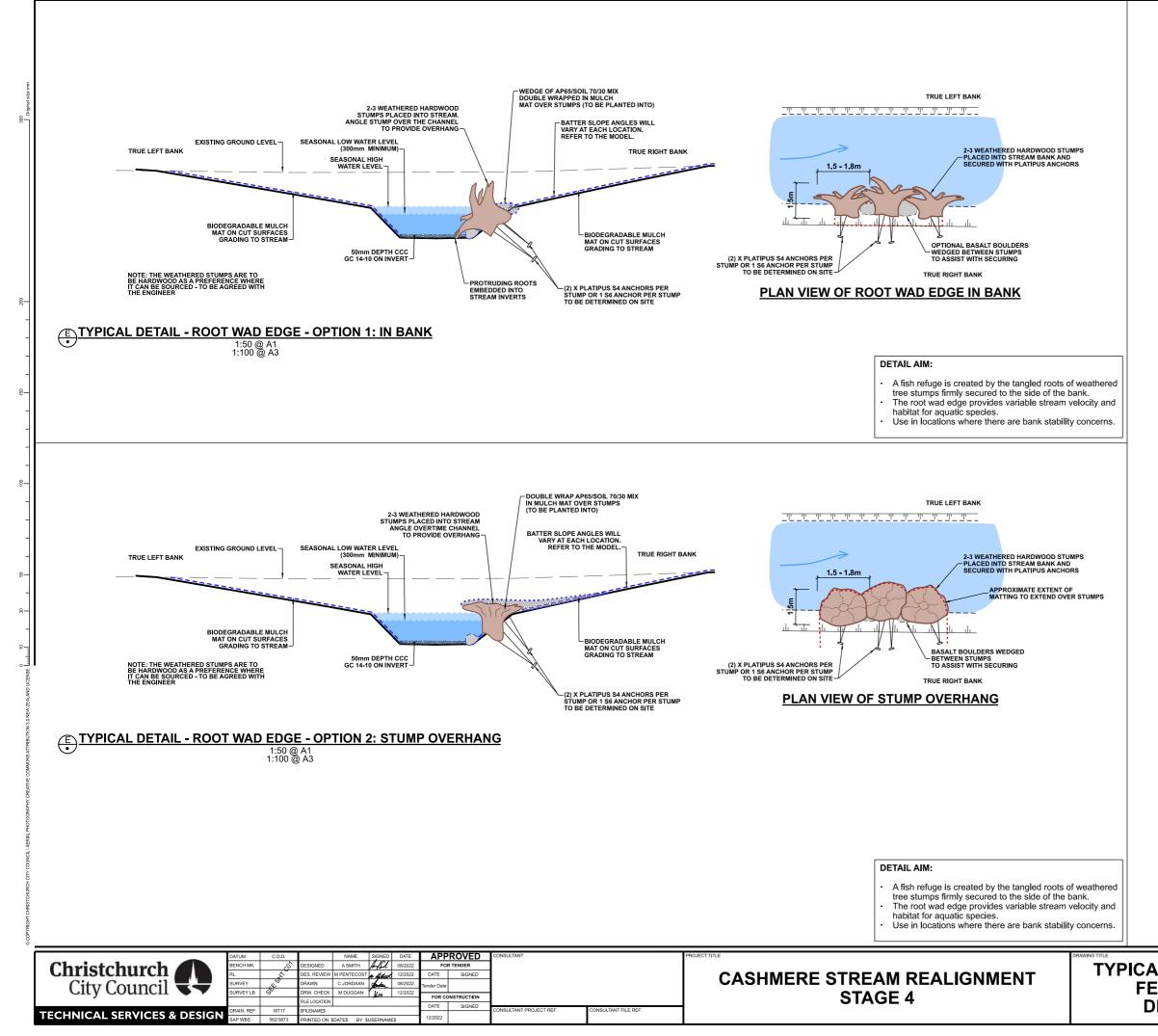
1 FOR CONSTRUCTION A FOR PRICING



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- 7. The Contractor is to ensure that all boulders and gravels are to
- be placed under the direction of CCC's Freshwater Ecologist. 8. Location and placement of timber and logs to be under the
- direction of the CCC's Freshwater Ecologist to ensure site specifc outcome is achieved.
- Platipus anchors are to be installed so there is no slack in the stainless steel wire around the timber.

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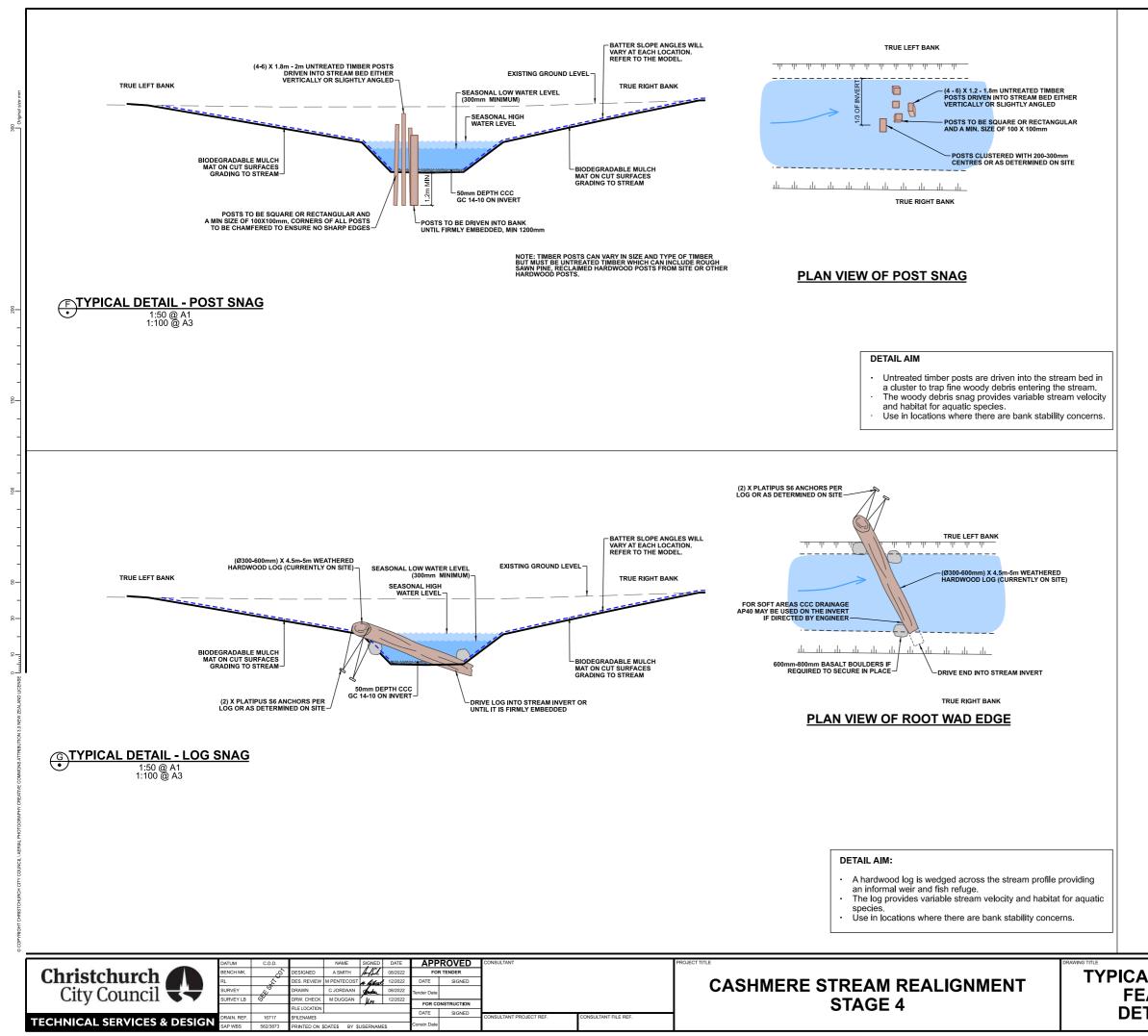
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- direction of the CCC's Freshwater Ecologist to ensure site specifc outcome is achieved.
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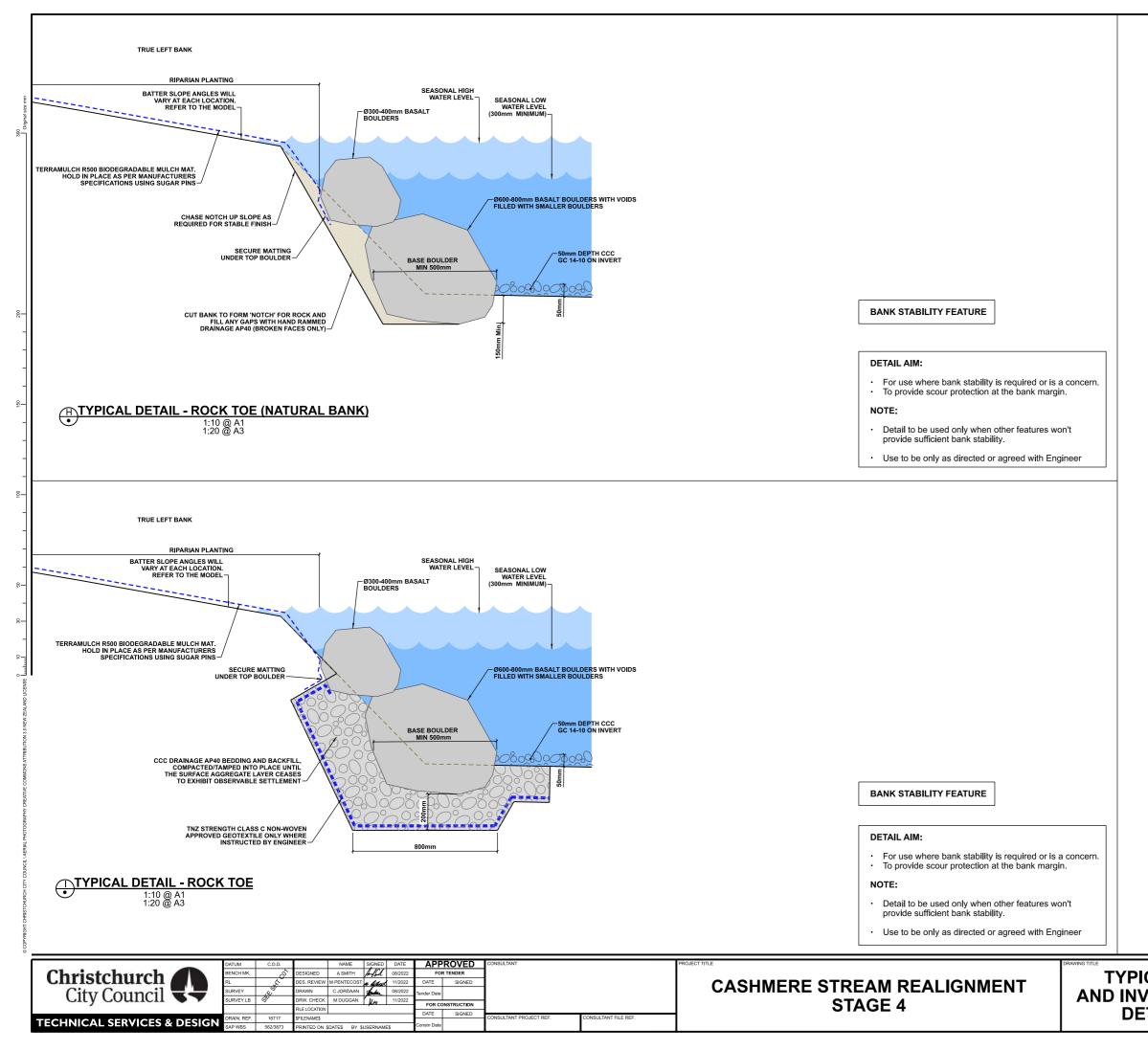
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- 9. Platipus anchors are to be installed so there is no slack in the stainless steel wire around the timber.

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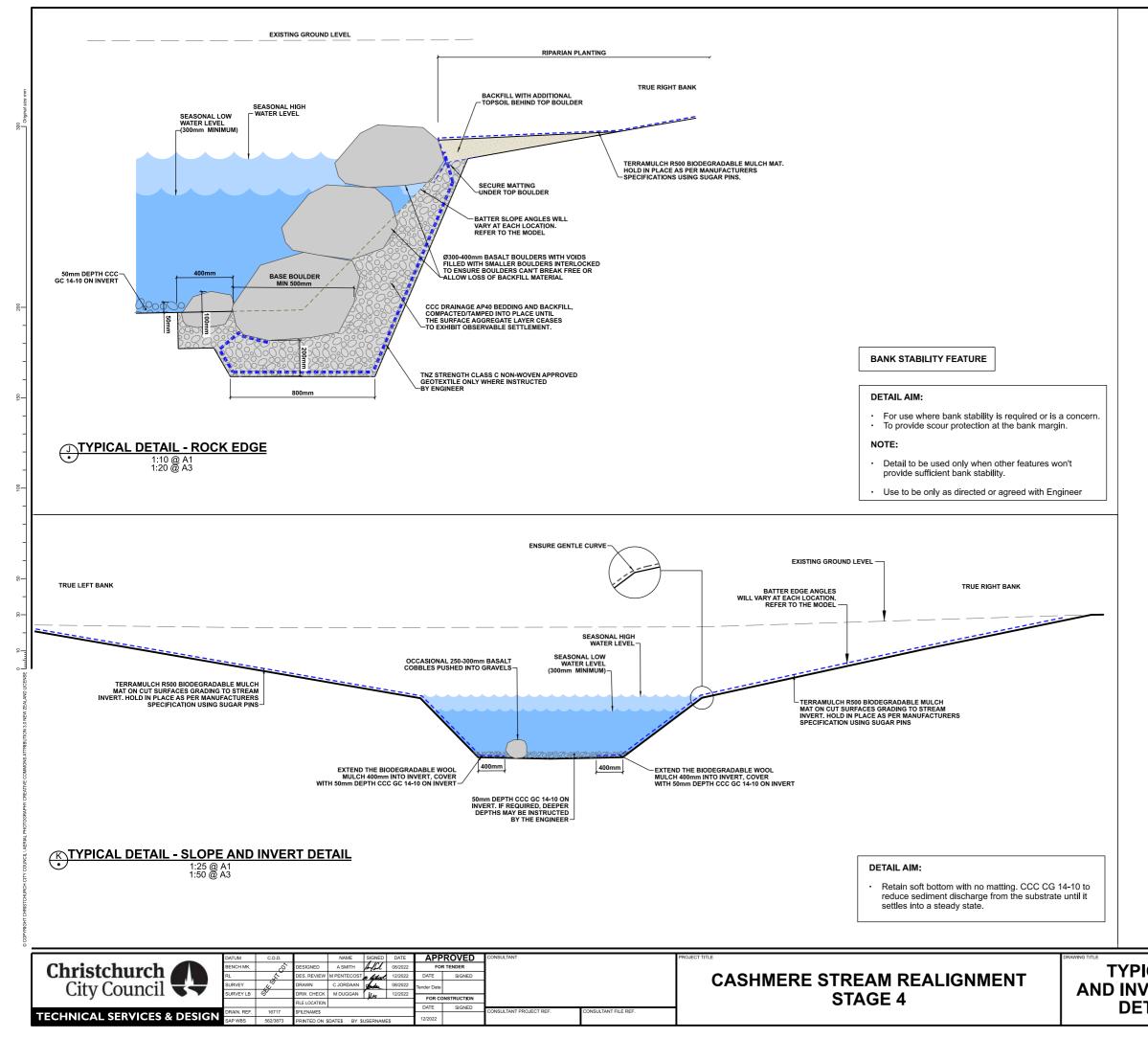
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	ISSUE	AMENDMENTS			SIGNED	DATE	
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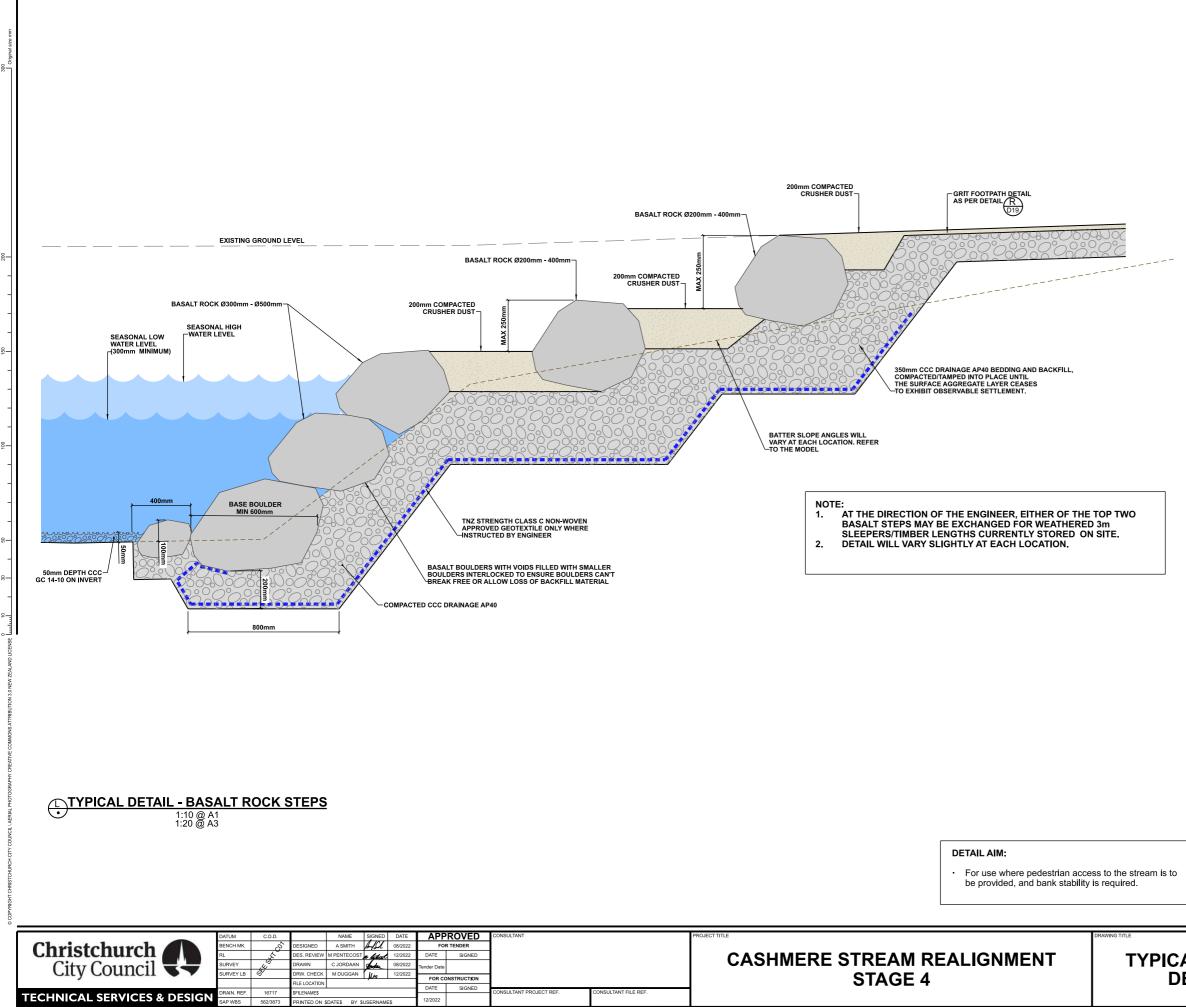
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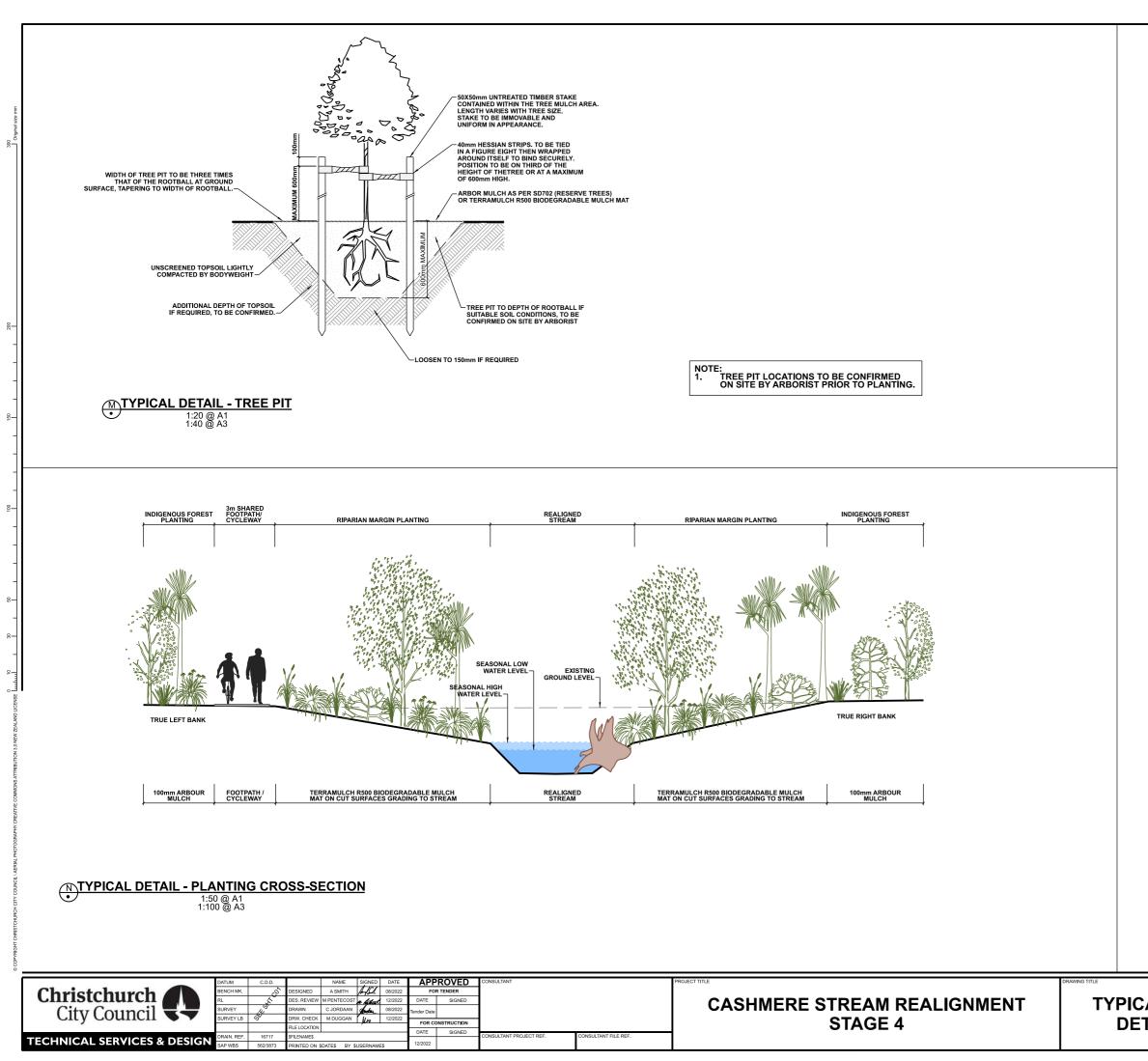


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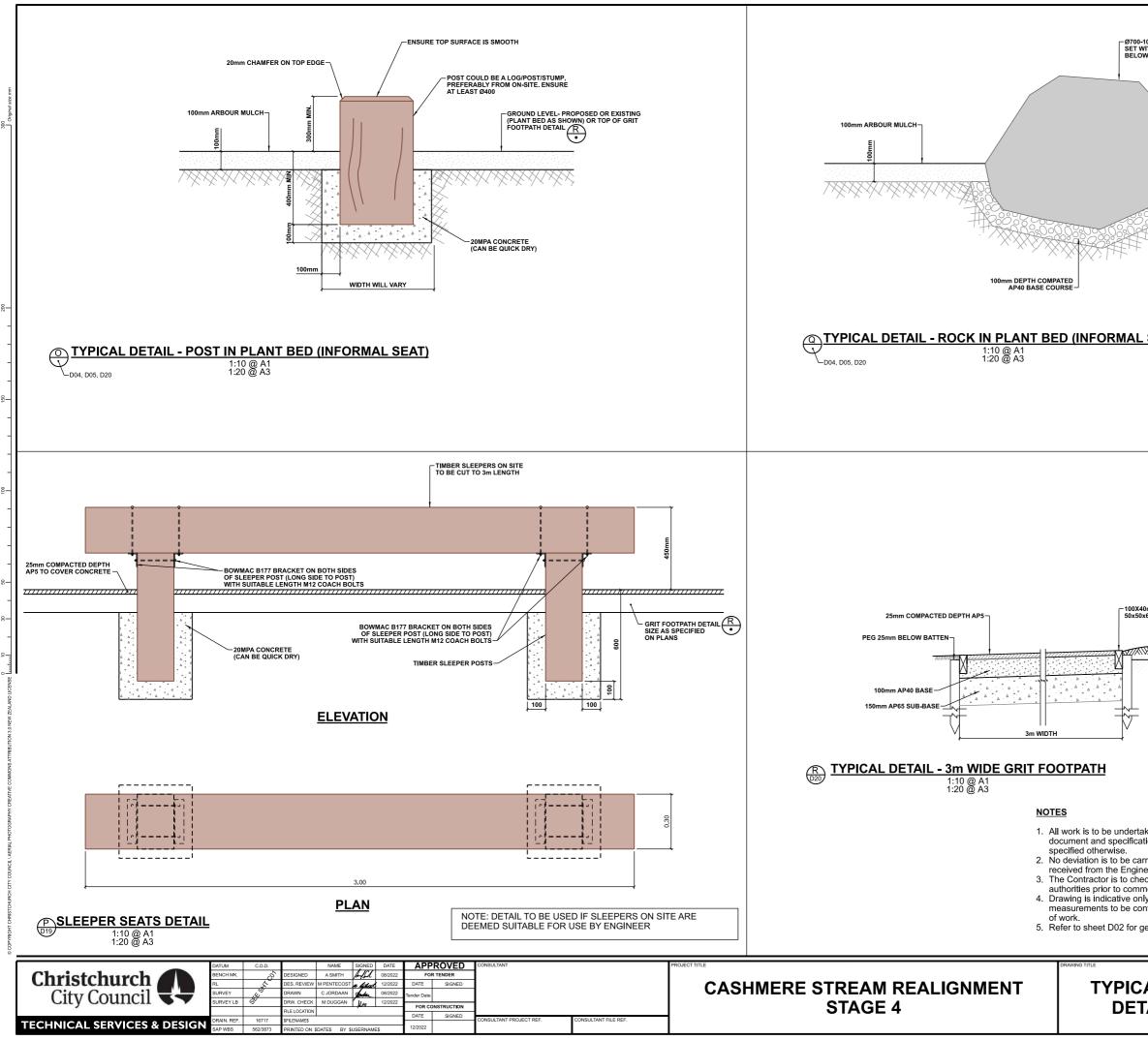
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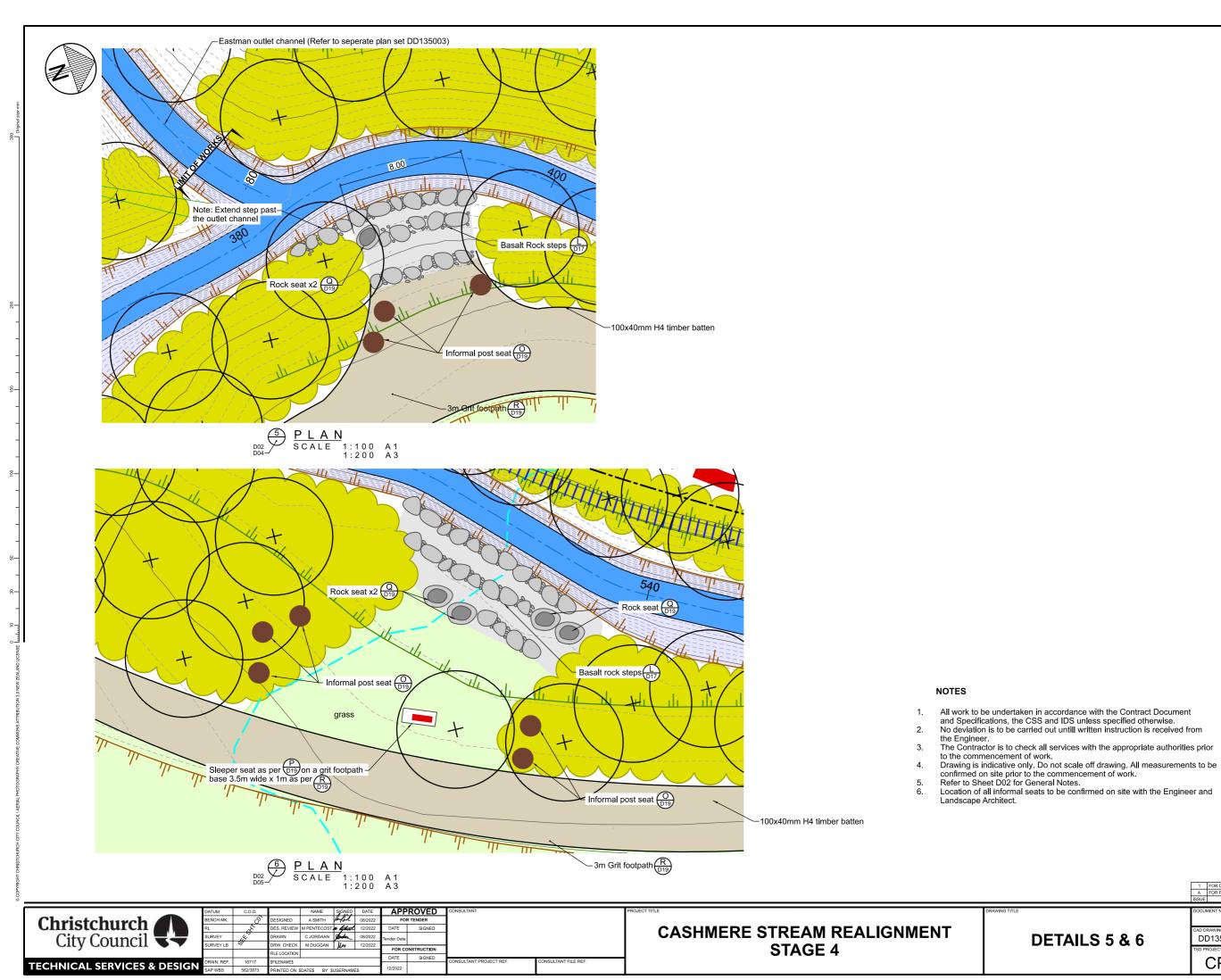
- 1. All work is to be undertaken in accordance with the contract document and specifications, the CSS and IDS unless
- specified otherwise. 2. No deviation is to be carried out until written instruction is
- No deviation is to be carried out that white initiation is to be carried out that white initiation is to the Engineer.
   The Contractor is to check all services with the appropriate authorities prior to commencement of work.
   Drawing is indicative only. Do not scale off drawing. All measurements to be confirmed on site prior to commencement of work.
- of work.
- Refer to sheet D02 for general notes.
   Refer to sheets L01-L05 for planting plans.

AL DETAILS:	CAD DRAWING FILE REF.	original sheet size	SCALES AS SHOWN
TAILS M-N	CP5035	60	D18 of 21

1 FOR CONSTR A FOR PRICING



1000mm HAPUKA OR BASALT BOULDER /ITH A MINIMUM ONE THIRD OF HEIGHT			
W GROUND			
	(PLANT BED AS FOOTPATH DETA	SHOWN) O	R TOP OF GRIT
		$\odot$	
Pana XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	<del>X/ XXXXX</del>		
SEAT)			
0mm H4 TIMBER BATTENS WITH			
x600mm H4 TIMBER PEGS AT 1m CRS MAX.			
\$///			
*///			
ken in accordance with the contrac tions, the CSS and IDS unless	t		
rried out until written instruction is			
eer. ck all services with the appropriate			
nencement of work. ly. Do not scale off drawing. All			
nfirmed on site prior to commencen	nent		
eneral notes.	1 FOR CONSTRUCTION		19/12/2022
	A FOR PRICING ISSUE AMENDMENTS		11/2022 SIGNED DATE
	DOCUMENT NUMBER	ORIGINAL SHEET SIZE	SCALES
AL DETAILS:	CAD DRAWING FILE REF.	A1	AS SHOWN
AILS O-R	TSD PROJECT FILE NUMBER	<u> </u>	
	CP5035	υU	D19 oF 21



		FOR CONSTRUCTION				15) 12/2022
		A FOR PRICING				11/2022
	ISSUE	AMENDMENTS			SIGNED	DATE
	DOCU	MENT NUMBER	ORIGINAL	SCAL	ES	
	TD S		SHEET		1:100	A1
AILS 5 & 6	CAD DRAWING FILE REF. DD135002.DGN		A1		1:200	A3
	TSD PROJECT FILE NUMBER			SHEE	т	
	CP5035		60	[	D20	OF 21

	DATUM	C.D.D.	N.	NAME	SIGNE	DATE	E AP	PROVED	CONSULTANT		PROJECT TITLE	DRAWING TITLE
Christchurch	BENCH MK.	,	DESIGNE	D A SMITH	And	08/202	22 F	R TENDER				I PIPE
	RL	1	DES. RE	IEW M PENTECO	ST # light	12/202	22 DATE	SIGNED			CASHMERE STREAM REALIGNMENT	
City Council 🤜	SURVEY	4	DRAWN	C JORDAA	v John	08/202	22 Tender Dat					LONG
City Council 🔍 🔫	SURVEY LB	S.	DRW. CH	ECK M DUGGA	1 Mas	12/202	22 508	ONSTRUCTION	4		STAGE 4	
			FILE LOC/	TION			DATE	SIGNED	-L		J SIAGE 4	
<b>TECHNICAL SERVICES &amp; DESIGN</b>	DRAIN. REF.	16717	\$FILENAN	E\$				SIGNED	CONSULTANT PROJECT REF.	SULTANT PROJECT REF. CONSULTANT FILE REF.		PROFILES
	SAP WBS 562/3873 PRINTED ON \$DATE\$ E		\$USERNA	ME\$	12/2022							

DATUM R.L. 15.00 GROUND LEVEL (m) DEPTH TO INVERT (m) PIPE INVERT LEVEL (m)

DISTANCE (m) GRADIENT

PIPE SIZE AND MATERIAL

**NOTES** 

1. All work is to be undertaken in accordance with the contract document and specifications, the CSS and IDS unless

PIPE STRUCTURES

DETAILS

CL = 18.732 SW01.09 INV IN = 15.907

CL = 18.439 SW01.09 INV OUT = 16.007

CL = 17.916

CL = 16.786

2D

19.8

16.4

PIPE DATA - NETWORK SW01

3D

19.8

16.4

ID

MH18

MH20

MH19

PIPE

D

TYPE

SD303 MH

SD303 MH

NULL STRUCTURE

NULL STRUCTURE

SW01.09 DN375 SN8 PVC-U

SW01.10 DN1200 CLASS 2 RCRRJ

TYPE

CO-ORD

(CENTROID)

E: 389140.17 N: 800971.59

E: 389159.34 N: 800966.58

E: 389150.77 N: 800960.27

E: 389164.59 N: 800956.67

LENGTH LENGTH GRADE US IL DS IL DEPTH

16.01

17.05

15.91

17.06

0.50%

-0.06%

MAX.

2.8

0.2

specified otherwise. 2. Refer to sheet D02 for general notes.

S LONGITUDINAL PROFILE 0.0 m TO 19.8 m HORIZONTAL SCALE 1:100 @ A1 VERTICAL SCALE 1:100 @ A1

DATUM R.L	. 11.00	
GROUND LEV	/EL (m)	18.73
DEPTH TO IN	VERT (m)	2.83
PIPE INVERT	LEVEL (m)	15. 0.
DISTANCE (m	)	0.0
GRADIENT		0.50% (1:200)
PIPE SIZE AN	D MATERIAL	DN375 SN8 PVC-U

SET ROCK EDGE INTO BANK ( DETAIL H) AND BACKFILL OVER SLAB WITH PEA GRAVEL

WHERE COVER <0.5 m. INSTALL 20 MPa 100 mm SLUMP -100 mm THICK 2.2 x 1 m CONCRETE SLAB OVER PIPE. REINFORCE WITH AS/NZS 4671 SE62 MESH

WHY CO.	3 m	

	A	FOR PRICING				11/2022
	ISSUE	AMENDMENTS			SIGNED	DATE
PIPEWORK LONGITUDINAL	CAD DI	TD RAWING FILE REF. D135002.DGN	ORIGINAL SHEET SIZE	SCAL		A1 A3
FILES AND DETAIL		CP5035	60	SHEE	D21	of 21

1 FOR CONSTRUCTION

19/1

# LONGITUDINAL PROFILE 0.0 m TO 31.4 m

HORIZONTAL SCALE 1:100 @ A1

VERTICAL SCALE 1:100 @ A1

4	
17,34	
÷	
თ	
0.29	
05	
12,05	
5 58 58	
8	
-0.06% (-1:1640)	
DN1200 CLASS 2 RCRRJ	

## SIPHON CROSSING DETAIL (SW01.09)

SCALE 1:100 @ A1 1:200 @ A3

- THICKEN CCC EMBEDMENT AP20 TO 200 mm LOCALLY TO SUIT UNDERSIDE OF SLAB

_	NSTALL 1 m HIGH 150 x 150 H4
·	TREATED TIMBER MARKER POST
	PAINTED WHITE AT THE TOP OF
	EITHER BANK OVER PIPE ALIGNMENT.
	SET INTO CONCRETE MIN. 100 THICK
	ALL ROUND AND MIN. 400 DEPTH INTO
	GROUND. PRIOR TO PAINTING
	ENGRAVE "SW PIPE" INTO POST.

44
18.
19.8 16.01 2.43 18.44
2.40
0
16
~
19.8
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