

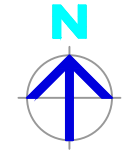
- ### NOTES
- 1) CONTRACTOR TO CONFIRM DEPTH AND LOCATION OF EXISTING SERVICES PRIOR TO EXCAVATION AND ORDERING MATERIALS.
  - 2) DO NOT SCALE OFF DRAWINGS. DRAWINGS ARE FOR ENGINEERING PURPOSES ONLY. REFER TO ARCHITECTURALS FOR SETOUT OF BUILDING AND RELEVANT REGULATORY PLANS FOR RELEVANT INFORMATION.
  - 3) ALL EARTHWORKS TO COMPLY WITH AS3798.
  - 4) ALL DRAINAGE AND PLUMBING WORKS TO COMPLY WITH AS3500.
  - 5) LEVELS ARE FINISHED SURFACE LEVELS UNLESS NOTED OTHERWISE.
  - 6) OVERLAND ESCAPE FLOW PATHS TO BE MAINTAINED FOR THE LIFE OF THE DEVELOPMENT. OBSTRUCTIONS ARE NOT TO BE PLACED IN THE OVERLAND ESCAPE FLOW PATH. MINIMUM 150mm TO BE PROVIDED FROM FLOOR LEVELS TO OVERLAND FLOW ESCAPE BREAK-OUT POINTS

### LEGEND

MARK	ITEM
286.05	PROPOSED DESIGN LEVELS
[Symbol]	PROPOSED DISH DRAIN
[Symbol] OR [Symbol]	EXISTING STORMWATER PIT
[Symbol]	EXISTING STORMWATER LINE
[Symbol]	EXISTING SEWER MANHOLE
[Symbol]	EXISTING SEWER LINE
[Symbol]	EXISTING SHED
[Symbol]	PROPOSED BUILDING REFER TO ARCHITECTURAL DRAWINGS
[Symbol]	PROPOSED RAMP
[Symbol]	PROPOSED SEWER LINE
[Symbol]	PROPOSED SEWER FIXTURE
[Symbol]	PROPOSED DIRECTION OF FALL
[Symbol]	PROPOSED DIRECTION OF FALL
[Symbol] OR [Symbol]	PROPOSED STORMWATER PIT REFER TO DETAIL -
[Symbol]	PROPOSED STORMWATER LINE
[Symbol]	PROPOSED STORMWATER DOWN PIPE SHOWN DIAGRAMMATIC ONLY. DETAILS AND LOCATION BY OTHERS
W.C.	WATER CLOSET (TOILET)
R.O.P.	ROD OUT POINT
I.O.	INSPECTION OPENING
Bsn	BASIN
[Symbol]	PROPOSED MAJOR CONTOURS
[Symbol]	PROPOSED MINOR CONTOURS

### PIT SCHEDULE

PIT	TYPE	TOP R.L.	NOTES
1	WATER TANK - 2000L	N/A	POLYETHYLENE OR STEEL
GP	450x450 POLYETHYLENE GRATED PIT	182.790	CLASS B STEEL GRATE
SP	450x450 POLYETHYLENE SURCHARGE PIT	182.765	CLASS B STEEL GRADE



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**XP XEROS PICCOLO CONSULTING ENGINEERS**  
 5 BYE STREET WAGGA WAGGA, NSW, 2650  
 P (02) 6925 5855 F (02) 6925 5655  
 E WAGGA@XEROSPICCOLO.COM.AU A.C.N. 137 881 853

Project: **PROPOSED NEW SHED DRAINAGE**  
**WAGGA WAGGA CHRISTIAN COLLEGE**  
 401 KOORINGAL ROAD, WAGGA WAGGA 2650

Sheet Title: <b>LAYOUT PLAN</b>		Project Number: <b>200771</b>	
Client: <b>WAGGA WAGGA CHRISTIAN COLLEGE</b>	Checked:	Sheet Number: <b>C1</b>	Revision Number: <b>C</b>
Scale: <b>1:100 (A1) 1:200 (A3)</b>	Approved:	Sheets in Set: <b>5</b>	
Design: <b>Z.W</b>	Drawn: <b>Z.W</b>	Date: <b>DEC 2020</b>	

**CONCRETE NOTES:**

1. WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH AS 3600 CONCRETE STRUCTURES AND CURRENT SAA CODES.

2. CONCRETE CHARACTERISTICS:

ELEMENT	GRADE (MPa 28 DAYS)	SLUMP (mm)	MAX. AGG. (mm)	ADDITIVES
SLAB	N25	80	20	NIL
DISH DRAIN	N25	80	20	NIL
KERBS	N25	80	20	NIL

3. CONCRETE TO BE PLACED USING MECHANICAL VIBRATORS.

4. SLAB THICKNESS' DO NOT INCLUDE FINISH.

5. REINFORCING BARS AND REINFORCING FABRIC TO BE IN ACCORDANCE WITH RESPECTIVE SAA CODES.

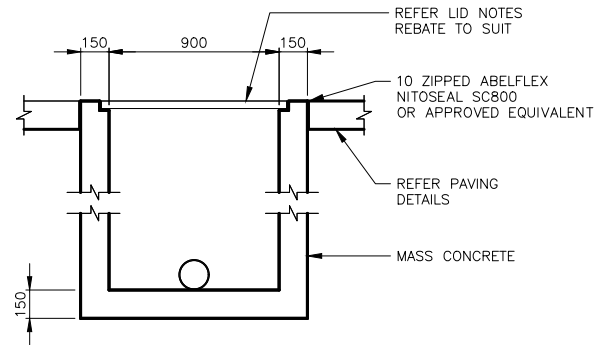
- (i) AS 1302 STEEL REINFORCING BARS FOR CONCRETE:
  - R DENOTES PLAIN ROUND STRUCTURAL GRADE BARS,  $f_{sy}=230MPa$
  - N DENOTES TEMP CORE STRUCTURAL GRADE DEFORMED BARS,  $f_{sy}=500MPa$
- (ii) AS 1304 WELDED WIRE REINFORCING FABRIC FOR CONCRETE:
  - RF DENOTES HIGH TENSILE WELDED WIRE FABRIC,  $f_{sy}=500MPa$

6. CLEAR CONCRETE COVER TO REINFORCEMENT TO BE:

ELEMENT	COVER (mm)
SURFACES IN CONTACT WITH GROUND	
- WITHOUT MEMBRANE	50
- WITH MEMBRANE	
SLAB	30
FOOTING	50
ABOVE GROUND INTERIOR	30
ABOVE GROUND EXTERIOR	30

7. MASONRY SUPPORTING SLABS TO HAVE 2 LAYERS ALCOR "SLIP JOINT" BETWEEN THE TWO SURFACES.

8. SLABS ABUTTING MASONRY OR CONCRETE TO HAVE 10mm ZIPPED ABELFLEX BETWEEN THE SURFACES, SEALED WITH SIKAFLEX PRO OR EQUIVALENT



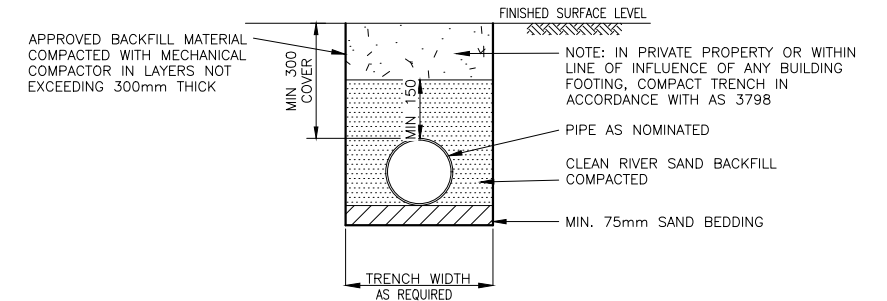
**DETAIL SWP4**  
TYP. CONCRETE PIT DETAIL  
(900 X 900)

NOTES: WHEN PIT IS ADJACENT TO BITUMEN AND/OR ASPHALT PAVEMENT, JOINTS TO BE SEALED WITH NITOSEAL SC820

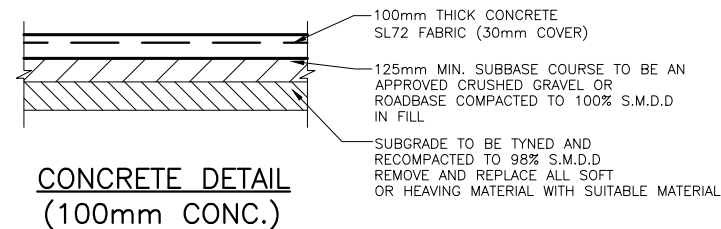
ACCESS COVERS AND GRATES TO BE OF AN APPROPRIATE LOAD CLASS AS PER AS3996 OR AS SPECIFIED BELOW

GRATED INLET PIT (GP):  
LID TO BE HOT DIPPED GALVANIZED FABRICATED STEEL GRATE AS PER AS3996

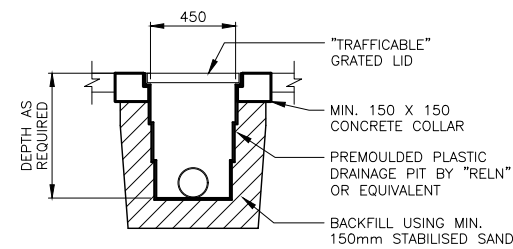
JUNCTION PIT (JP):  
LID TO BE CONSTRUCTED FROM TRAFFICABLE PRECAST CONCRETE.



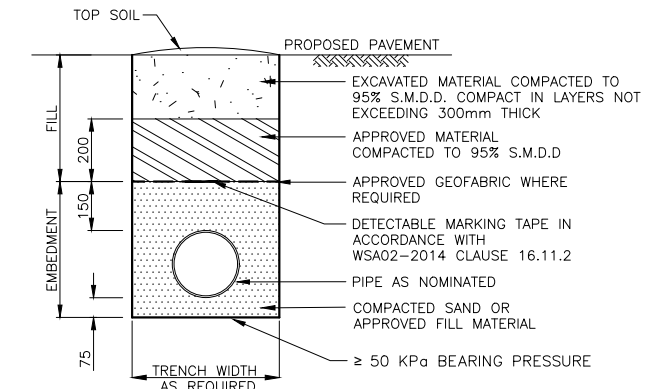
**DETAIL BF1**  
TRENCH BACKFILL FOR STORMWATER  
IN NON-TRAFFICABLE AREAS



NOTE: PROVIDE DOWEL JOINTS "D.J." @ MAX. 15000CTS. & CONTROL JOINTS "C.J." @ MAX. 5000CTS.



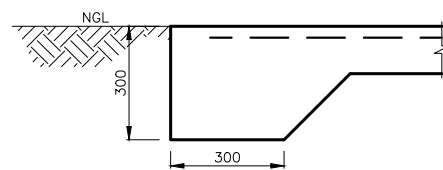
**DETAIL SWP1**  
TYP. PLASTIC PIT DETAIL  
(450 X 450)



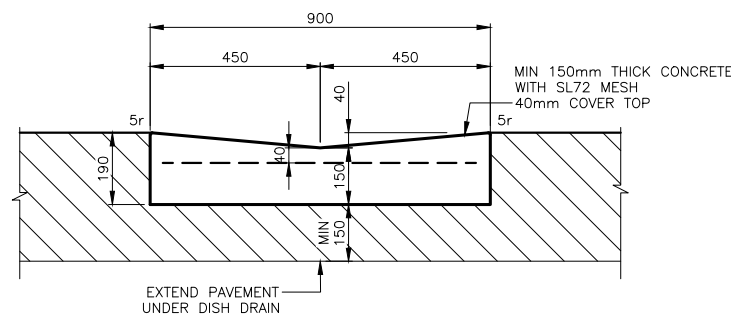
**DETAIL BF4**  
BACKFILL FOR SEWER  
PIPELINE IN OTHER AREAS

- NOTES:
- 1) BACKFILLING OF TRENCHES AS PER AS3798 AND WSA02-2014
  - 2) IF BENCHING IS USED EXCAVATION MUST NOT EXCEED THE WIDTH OF THE EASEMENT.
  - 3) TRENCH COMPACTION TEST FREQUENCY TO BE IN ACCORDANCE WITH WSA02-2014 CLAUSE 21.3. MINIMUM 2 TESTS PER LOT
  - 4) ALTERNATE TRENCH DESIGNS AS APPROVED BY WASTE AND STORMWATER MANAGER AND XEROS PICCOLO
  - 5) DETAIL AS PER WCC ENGINEERING GUIDELINES DRAWING EDS.05.07

N.T.S



**CONCRETE EDGE THICKENING DETAIL**  
NOT TO SCALE



**DETAIL DD1**  
900mm WIDE CONCRETE DISH  
DRAIN

SCALE: 1:10 (A1), 1:20 (A3)

- NOTES:
1. PROVIDE TROWEL JOINTS AT 3m CTS



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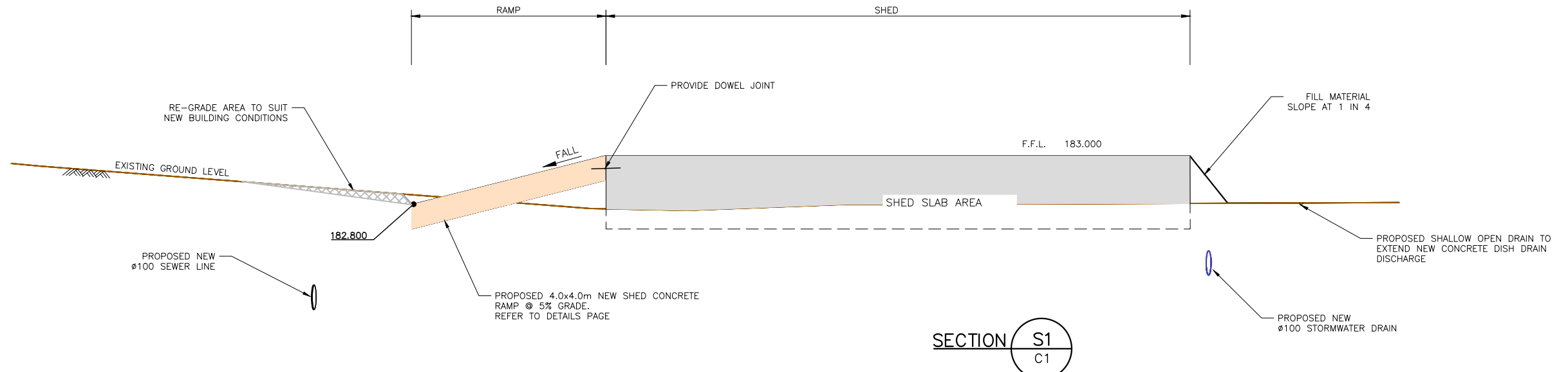
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F (02) 6925 5655  
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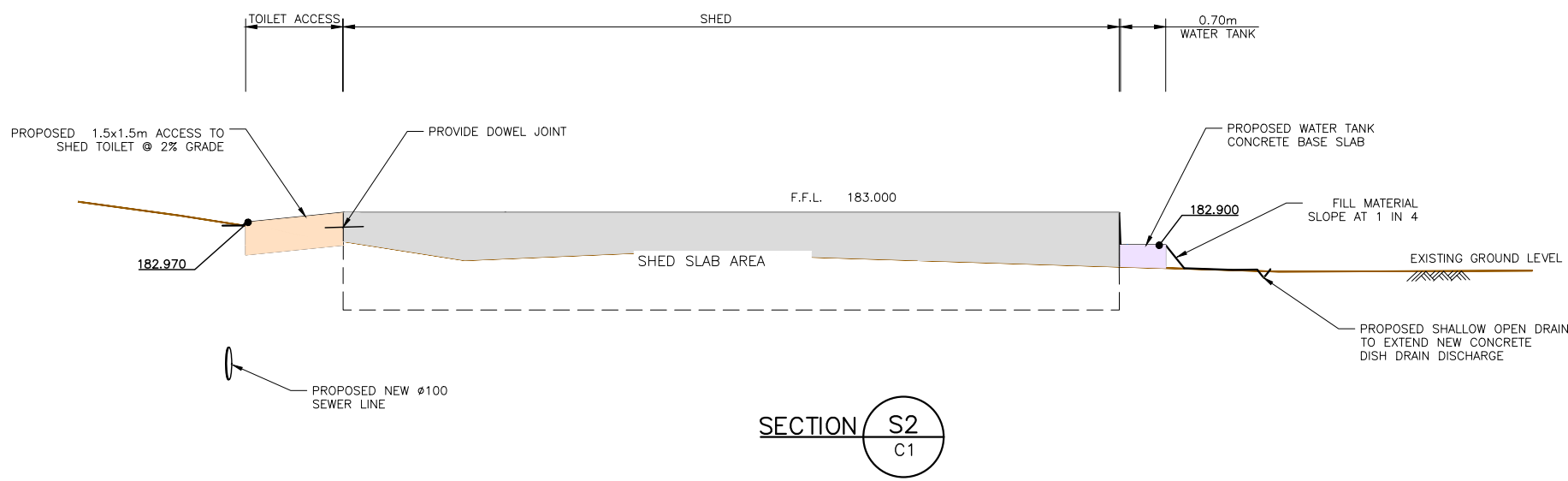
Project:  
**PROPOSED NEW SHED DRAINAGE**  
WAGGA WAGGA CHRISTIAN COLLEGE  
401 KOORINGAL ROAD, WAGGA WAGGA 2650

Sheet Title: GENERAL DETAILS		Project Number: 200771	
Client: WAGGA WAGGA CHRISTIAN COLLEGE	Checked:	Sheet Number: C2	Revision Number: C
Scale: 1:10 (A1) 1:20 (A3) OR AS SHOWN	Approved:	Sheets in Set: 5	
Design: Z.W	Drawn: Z.W	Date: DEC 2020	



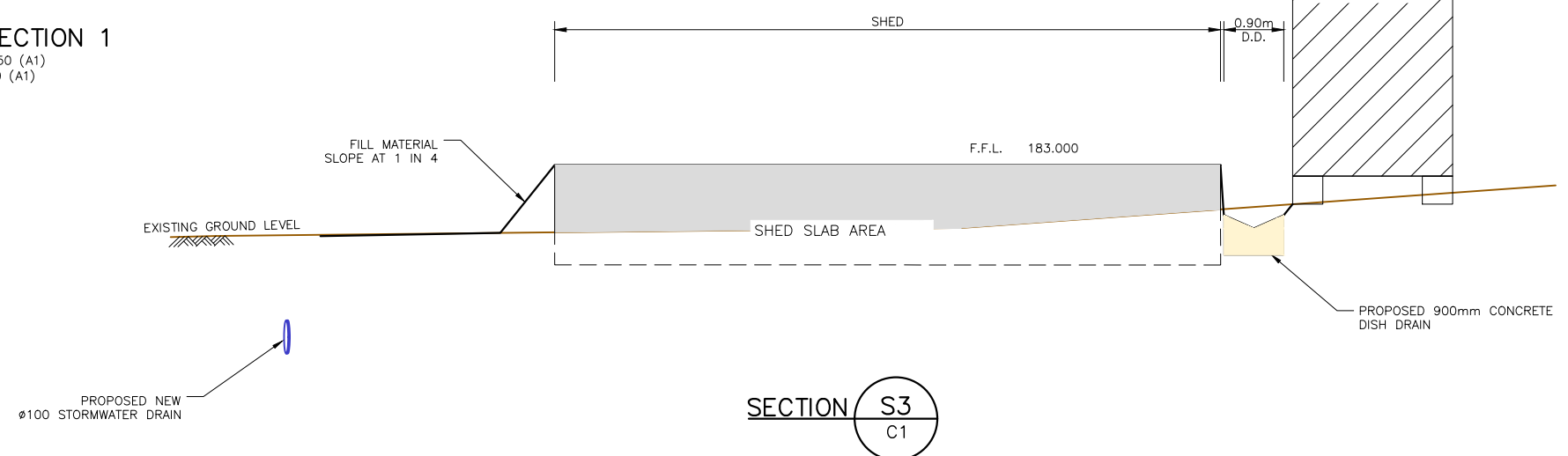
**SECTION S1**  
C1

**SHED TYPICAL SECTION 1**  
HORIZONTAL SCALE 1:50 (A1)  
VERTICAL SCALE 1:10 (A1)



**SECTION S2**  
C1

**SHED TYPICAL SECTION 1**  
HORIZONTAL SCALE 1:50 (A1)  
VERTICAL SCALE 1:10 (A1)



**SECTION S3**  
C1

**SHED TYPICAL SECTION 1**  
HORIZONTAL SCALE 1:50 (A1)  
VERTICAL SCALE 1:10 (A1)

**NOTES:**

1) FOR STRUCTURAL DETAILS OF CONCRETE SLAB REFER TO SHED STRUCTURAL DESIGN PLAN.



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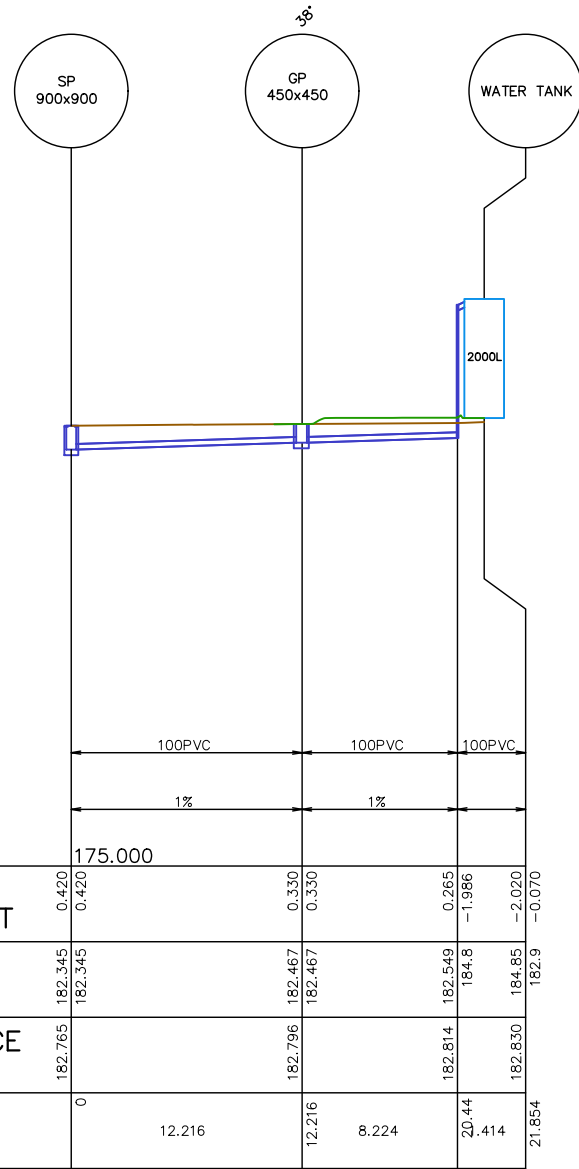


5 BYE STREET  
WAGGA WAGGA, NSW, 2650  
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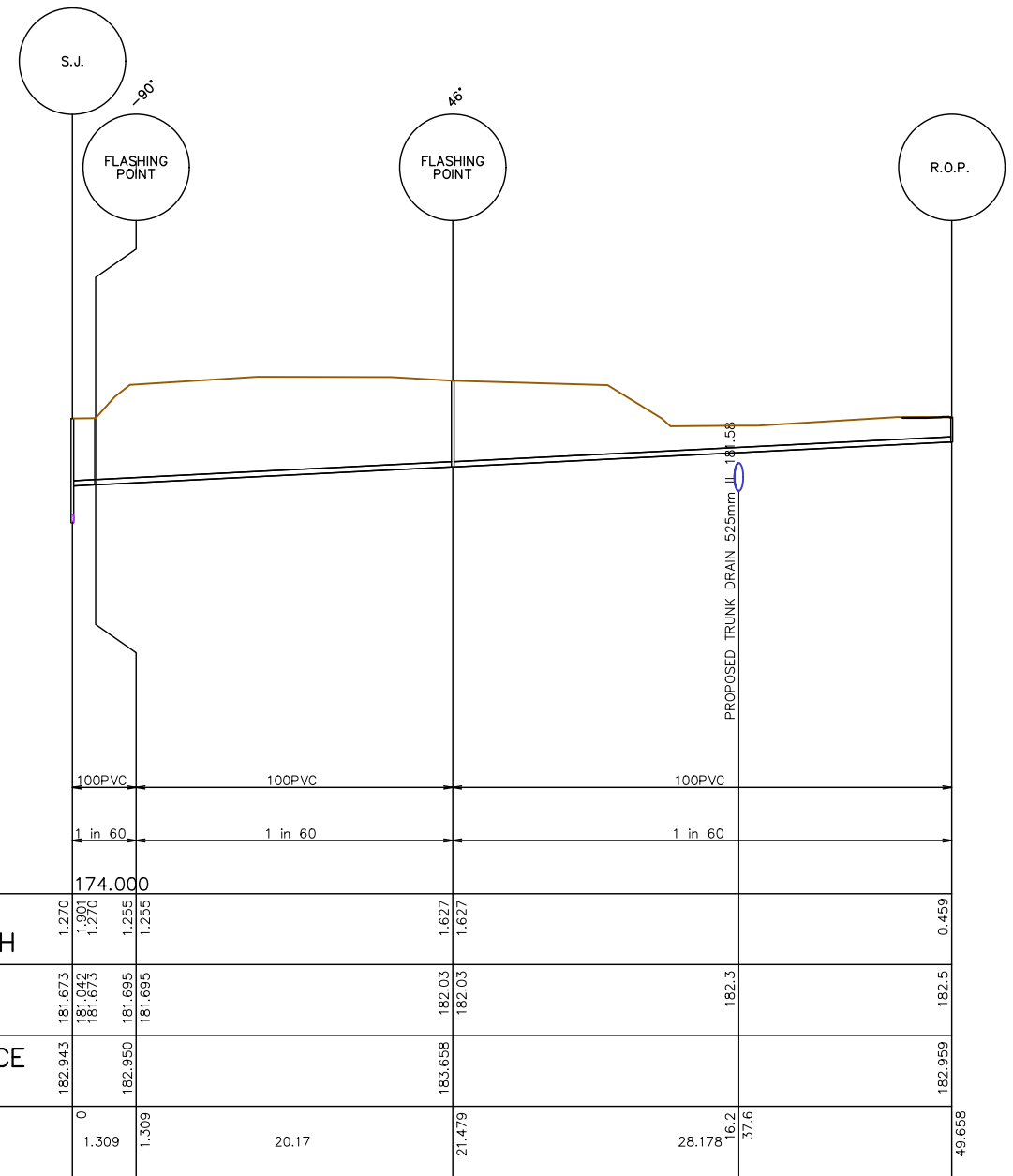
Project:  
**PROPOSED NEW SHED DRAINAGE**  
WAGGA WAGGA CHRISTIAN COLLEGE  
401 KOORINGAL ROAD, WAGGA WAGGA 2650

Sheet Title: <b>TYPICAL SECTIONS</b>		
Client: WAGGA WAGGA CHRISTIAN COLLEGE	Checked:	
Scale: 1:50 (A1) 1:100 (A3) OR AS SHOWN	Approved:	
Design: Z.W	Drawn: Z.W	Date: DEC 2020

Project Number: <b>200771</b>		
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SHED DRAINAGE LONG SECTION



SHED SEWER GARRANTY LONG SECTION



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5 BYE STREET  
WAGGA WAGGA, NSW, 2650  
P (02) 6925 5855  
F (02) 6925 5655  
E WAGGA@XEROSPICCOLO.COM.AU  
A.C.N. 137 881 853

Project: PROPOSED NEW SHED DRAINAGE  
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401 KOORINGAL ROAD, WAGGA WAGGA 2650

Sheet Title: SEWER AND DRAINAGE LONG SECTIONS		
Client: WAGGA WAGGA CHRISTIAN COLLEGE	Checked:	Project Number: 200771
Scale: 1:200 (A1) 1:400 (A3)	Approved:	Sheet Number: C4
Design: Z.W	Drawn: Z.W	Revision Number: C
Date: DEC 2020		Sheets in Set: 5

## SITE MANAGEMENT NOTES

- CONTRACTOR TO PLAN DAYS ACTIVITIES TO ENSURE THAT TRENCHES EXCAVATED ARE BACKFILLED ON THE SAME DAY AND THE FINISHED SURFACE TOPSOILED AND SEEDED ETC AS SPECIFIED. CONTRACTOR TO ENSURE THAT ALL TRENCHES ARE WHEEL ROLLED TO PREVENT SETTLEMENT
- WORKS THAT DON'T COMPLY WITH THE LAND AND WATER MANAGEMENT PLAN MAY RESULT IN A STOP WORK ORDER ON THE PROJECT. THIS STOP WORK ORDER WILL NOT BE LIFTED UNTIL THE NOMINATED WORKS HAVE BEEN RECTIFIED. NO EXTENSION TO THE CONTRACT PERIOD WILL BE ALLOWED FOR FOLLOWING THE STOP WORK ORDER.
- IF SITE CONDITIONS ARE SUCH THAT VEHICLE MOVEMENTS WILL DAMAGE THE EXISTING LAND COVER, REFER TO THE SUPERINTENDENT FOR INSTRUCTION.
- ALL DISTURBED AREAS TO HAVE 75 MIN TOPSOIL. IF COMPACTED, RIP TO LOOSEN AND SEED AS SPECIFIED.
- WHERE CONTRACTOR DISTURBS AREAS WHICH ARE NOT REQUIRED FOR THE EXECUTION OF THE WORKS, THE CONTRACTOR WILL STABILIZE THE AREAS AT HIS OWN COST TO THE SATISFACTION OF THE SUPERINTENDENT. LIMIT OF WORKS 3m FROM BATTER LINE OR 5m FROM PIPE TRENCH.
- EROSION CONTROL
  - CONTRACTOR TO CONSIDER POTENTIAL FUTURE EROSION PROBLEMS IN ALL STAGES OF WORKS. IF THERE IS A POTENTIAL PROBLEM THAT HAS NOT ALREADY BEEN ACCOUNTED FOR, XEROS PICCOLO CONSULTING ENGINEERS ARE TO BE CONTACTED
  - VEGETATION TO BE PRESERVED AS MUCH AS POSSIBLE. WHERE SEEDLINGS ARE GROWING ON STEEP BATTERS PROVIDE MULCHES TO CONSERVE MOISTURE AND PROMOTE GROWTH.
  - PROVIDE SILT FENCES OR STRAW BALES AS SHOWN ON PLANS OR AS NOMINATED BY THE SUPERINTENDENT
  - SILT FENCES TO BE MOVED DURING CONSTRUCTION TO SUIT LOCATION OF CURRENT WORKS
- TOPSOIL STOCKPILES SITES TO BE SEEDED WITH PERENNIAL RYE GRASS AT 25KG/HA AND RYE CORN AT 5KG/HA TO PREVENT SOIL MIGRATION.
- ALL COMPLETED BATTERS, SWALE DRAINS, DEFLECTION BANKS ETC TO BE LIGHTLY RIPPED 50mm DEEP, COVERED WITH 75 MIN TOPSOIL AND SEEDED AS SPECIFIED. ON COMPLETION PROVIDE 1 PASS WITH PAD FOOT ROLLER.
- AS ASPECTS OF WORK ARE COMPLETED, TOPSOIL AND SEED AS DETAILED WITHIN 3 WORKING DAYS
- SURPLUS SPOIL STOCKPILE LOCATION TO BE DETERMINED ON SITE.

## CONSTRUCTION SEQUENCE

- BEFORE/DURING STRIPPING OF TOPSOIL
  - CONSTRUCT DEFLECTION BANKS AROUND TOPSOIL STOCKPILE AND ASSOCIATED SILT FENCES.
  - CONSTRUCT 200 HIGH PUSH UP BANKS AND ASSOCIATED SILT FENCES.
- CONSTRUCTION OF 300 HIGH DEFLECTION BANKS AND BUNDING FORMED FROM BULK EARTHWORKS AND ASSOCIATED SILT FENCES CONSTRUCTED AS DETAILED.
- STOCKPILE TO BE SEEDED AS SPECIFIED WITHIN 7 WORKING DAYS.
- AFTER CONSTRUCTION OF DRAINAGE LINES DISTURBED AREAS TO BE RECTIFIED AS DETAILED WITHIN 7 DAYS OF BACKFILLING.
- REMOVABLE STRAW BALE SILT FENCE TO BE AVAILABLE ON SITE FOR PROTECTION OF THE SITE IF RAIN IMMINENT.
- SERVICES TO BE INSTALLED PRIOR TO TOPSOILING AND SEEDING OF BATTERS AND FOOTPATHS.

## REHABILITATION & REGENERATION NOTES

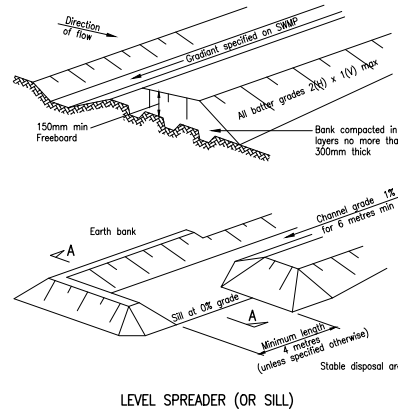
- PREPARE AREA TO BE REHABILITATED AND REGENERATED AS PER SPECIFICATIONS
- AREAS SHOULD BE RESHAPED TO BLEND IN WITH NATURAL LANDSCAPE AS MUCH AS POSSIBLE. STABILIZE WHERE REQUIRED
  - SITE TO BE SHAPED TO BE FREE DRAINING WHERE POSSIBLE.
  - TYNE COMPACTED AREAS TO IMPROVE 'ROUGHNESS' AT THE SEED BED IN PREPARATION FOR TOPSOIL. DEEP RIPPING MAY BE REQUIRED FOR HARD PAVEMENTS.
  - REDUCE ALL SLOPES TO A GRADIENT OF 1:3 OR LESS. BENCH IN THE AREAS WHERE SLOPE LENGTHS EXCEED 15m. WHERE BENCHING IS NOT PRACTICAL PROVIDE CONTOUR BANK MIN 500mm HIGH.
  - SPREAD TOP SOIL AND LEAVE WITH ROUGH SURFACE. CARE TO BE TAKEN TO ENSURE THAT TOP SOIL IS NOT TOO WET AS THIS WILL NOT PERFORM ADEQUATELY.
  - IF ADDITIONAL CHUTES ARE REQUIRED CONTACT XEROS PICCOLO.



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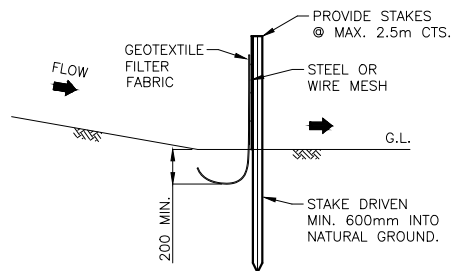
## SEEDING NOTES

- SEEDING TO PROVIDED AS SPECIFIED ON PLANS
- SEED IS TO BE PLANTED AS PER STANDARD PRACTICE IN REGARDS TO WATERING AND PLANTING SEASON. USE HIGH QUALITY SEEDS THAT DON'T CONTAIN NOXIOUS WEEDS.
- CONTRACTOR TO TAKE INTO ACCOUNT SEASON AND WEATHER PRIOR TO SEEDING TO ALLOW SEED THE BEST OPPORTUNITY TO GERMINATE.
- ALL DISTURBED AREAS THAT ARE NOT BEING USED FOR A TRACK OF OTHER PURPOSES ARE TO BE TOPSOILED AND SEEDED.
- PREPARE A SMOOTH SEEDBED AND APPROX. 75mm - 100mm OF TOPSOIL. GRADE SMOOTHLY TO REMOVE IRREGULARITIES AND FOOT PRINTS. SEED, FERTILIZE AND WATER.
- WATERING SHOULD START IMMEDIATELY AFTER PLANTING. WATERING SHOULD COMPLY WITH SPECIFICATIONS SUPPLIED WITH APPROVED SEED. WATERING SHOULD VARY DEPENDING ON WEATHER, SEASON AND SOIL CONDITIONS. BUT AS A MINIMUM THE FOLLOWING SHOULD BE DONE.
  - 25mm EVERY SECOND DAY FOR THE FIRST THREE WATERINGS
  - 25mm TWICE A WEEK FOR THE NEXT THREE WEEKS
  - 25mm ONCE WEEKLY FOR A FURTHER TWO WEEKS.
- IF BATTER SLOPE OF DISTURBED AREA IS 1 IN 4 OR GREATER PROVIDE JUTE LINING. ALL DEDICATED DRAINAGE PATHS SHALL BE JUTE LINED. REFER JUTE LINING NOTES AND DETAILS



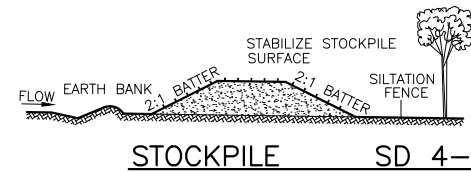
## TURFING NOTES

- TURFING TO BE PROVIDED AS SPECIFIED ON PLANS
- PREPARATION
  - REMOVE ANY EXISTING TURF, WEEDS AND DEBRIS FROM ALL AREAS TO BE TURFED. CULTIVATE EXISTING SUBGRADE TO 100mm DEPTH
- TOPSOIL
  - ALL TOPSOIL SHALL COMPLY WITH AS4419 'SOILS FOR LANDSCAPING AND GARDEN USE'.
  - TOPSOIL SHALL BE A SOIL BLEND WITH MAX. 30% SCREENED COMPOSTED ORGANIC MATTER, HYDRAULIC CONDUCTIVITY 15-30cm/hr. PH RANGE TO BE 5-6.5.
  - AFTER APPROVAL OF THE PROPOSED TOPSOIL, DEPOSIT AND SPREAD TOPSOIL TO ACHIEVE 100mm THICKNESS TO ALL DISTURBED AREAS
- TURFING
  - TURF SHALL BE 'KIKUYU' UNLESS OTHERWISE DIRECTED BY A LANDSCAPE ARCHITECT OR SUPERINTENDENT. TURF SHALL BE 'A' GRADE, TYPICAL OF THE SPECIES, FREE FROM ALL PESTS, DISEASES, WEEDS AND OTHER PLANT MATTER.
  - TURF SHALL BE GUARANTEED FREE FROM NUT GRASS, 'CYPERUS ROTUNDUS',
  - TURF SHALL BE CUT TO A MINIMUM 25mm THICK IN LONG 300m WIDE STRIPS.
- LAYING
  - LAY PIECES OF TURF IN STRAIGHT LINES RUNNING PERPENDICULAR TO THE SLOPE, WITH CROSS JOINTS STAGGERED, AND CLOSE BUTTING.
  - LAY TURF WITH AN EVEN GRADIENT, FREE FROM LUMPS AND DEPRESSIONS AND NOT ABLE TO POND WATER. ENSURE THAT NEW TURF FINISHES FLUSH WITH EXISTING GRASS OR TURF.
  - TAMP DOWN AND FILL ALL JOINTS WITH TOP DRESSING. TOP DRESSING IS TO BE PIT SAND TO COMPLY WITH AS 4419. SPREAD SAND EVENLY OVER SURFACE OF GRASS IN LAYERS OF NOT MORE THAN 10mm. DO NOT BURY GRASS.
- TOP DRESSING
  - WHEN TURFED AREAS HAVE BECOME ESTABLISHED AND IMMEDIATELY AFTER THE FIRST CUT, TOP DRESS TURF WITH 10mm LAYER OF TOP DRESSING TO AS4419.
  - DO NOT TOP DRESS DURING WINTER MONTHS UNLESS DIRECTED BY SUPERINTENDENT
- PROTECTION - ALL NEW TURF SHALL BE PROTECTED FROM TRAMPLING BY THE ERECTION OF BARRIERS.



**TYP. SEDIMENT CONTROL FENCE DETAIL SD 6-8**

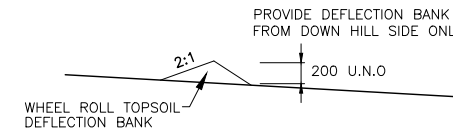
NOTE: THE FOLLOWING CONDITIONS MUST NOT BE EXCEEDED WITHIN THE CONTRIBUTING AREA:  
 DRAINAGE AREA = 0.6ha  
 SLOPE GRADIENT = 1:2  
 SLOPE LENGTH = 60m



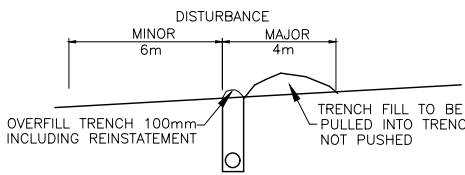
**STOCKPILE SD 4-1**

### CONSTRUCTION NOTES

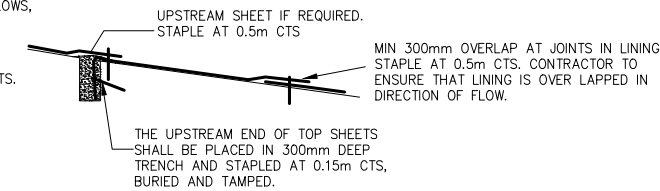
- LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS & HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND.
- WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
- REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.
- CONSTRUCT EARTH BANK (STANDARD DRAWING 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE & A SEDIMENT FENCE (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE OF STOCKPILE.



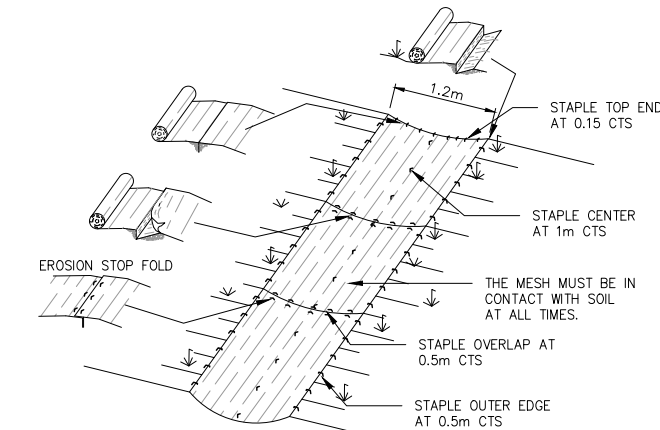
**DEFLECTION BANK**



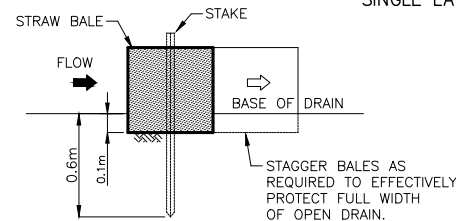
**TRENCH DISTURBANCE**



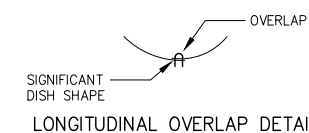
**TRANSVERSE OVERLAP DETAIL**



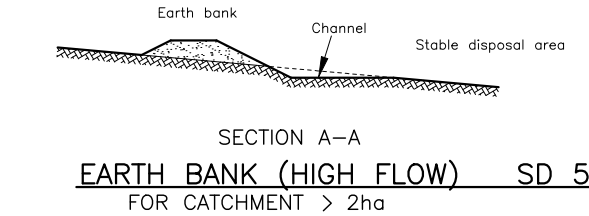
**SINGLE LAYER**



**TYP. STRAW BALE SEDIMENT FILTER (N.T.S.)**

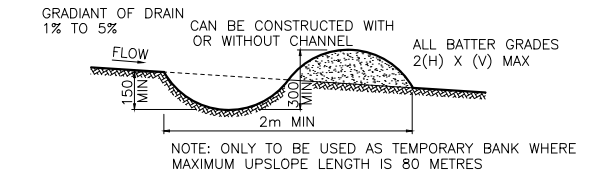


**JUTE LINING DETAIL**



### CONSTRUCTION NOTES

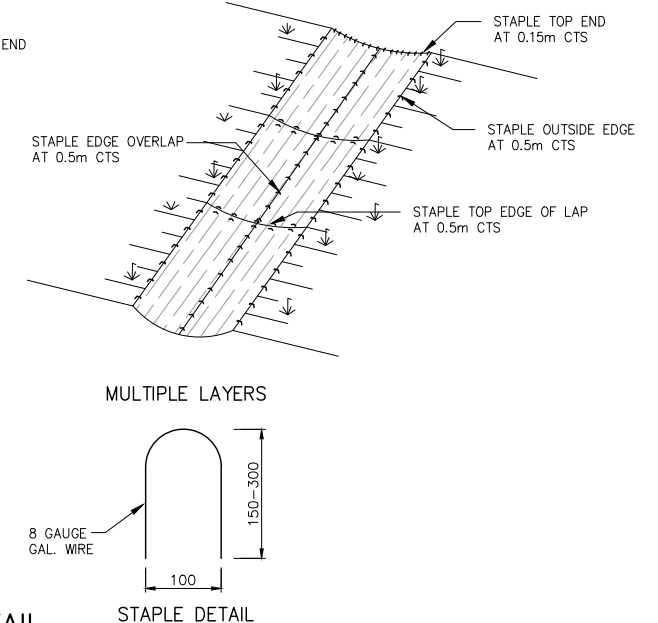
- CONSTRUCT ALONG GRADIENT AS SPECIFIED.
- AVOID REMOVING TREES & SHRUBS IF POSSIBLE.
- DRAINS TO BE OF PARABOLIC OR TRAPEZOIDAL CROSS SECTION AS OPPOSED TO V-SHAPE.
- EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
- PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION.
- ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR.
- DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED
- COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS.
- EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.



**EARTH BANK (LOW FLOW) SD 5-5 FOR CATCHMENT <2ha**

### CONSTRUCTION NOTES

- CONSTRUCT WITH GRADIENT OF 1 PER CENT TO 5 PER CENT.
- AVOID REMOVING TREES & SHRUBS IF POSSIBLE.
- DRAINS TO BE OF CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPE.
- EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
- PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION.
- ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR.
- DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED
- COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS.
- EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.



**MULTIPLE LAYERS**

**STAPLE DETAIL**

No.	DATE	DETAILS	BY
C	23.04.2021	ISSUED FOR CONSTRUCTION	Z.W
B	16.04.2021	ISSUED FOR REVIEW	Z.W
A	04.12.2020	ISSUED FOR REVIEW	Z.W



5 BYE STREET  
 WAGGA WAGGA, NSW, 2650  
 P (02) 6925 5855  
 F (02) 6925 5655  
 E WAGGA@XEROSPICCOLO.COM.AU  
 A.C.N. 137 881 853

Project:  
**PROPOSED NEW SHED DRAINAGE**  
 WAGGA WAGGA CHRISTIAN COLLEGE  
 401 KOORINGAL ROAD, WAGGA WAGGA 2650

Sheet Title: EROSION AND SEDIMENT CONTROL DETAILS			Project Number: 200771		
Client: WAGGA WAGGA CHRISTIAN COLLEGE		Checked:		200771	
Scale: AS SHOWN		Approved:		Sheet Number: C5	
Design: Z.W	Drawn: Z.W	Date: DEC 2020	Revision Number: C		
			Sheets in Set: 5		