CIVIL ENGINEERING PACKAGE

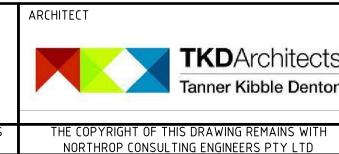


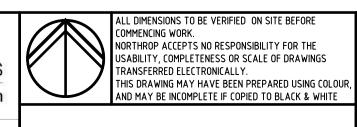
# DRAWING SCHEDULE

DESCRIPTION ISSUED FOR REVIEW JN 15.06.18 ISSUED FOR DEVELOPMENT APLICATION JN 21.06.18 RE-ISSUED FOR DEVELOPMENT APLICATION JN 22.06.18

ST JOSEPH'S COLLEGE DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS

VERIFICATION SIGNATURE HAS BEEN ADDED







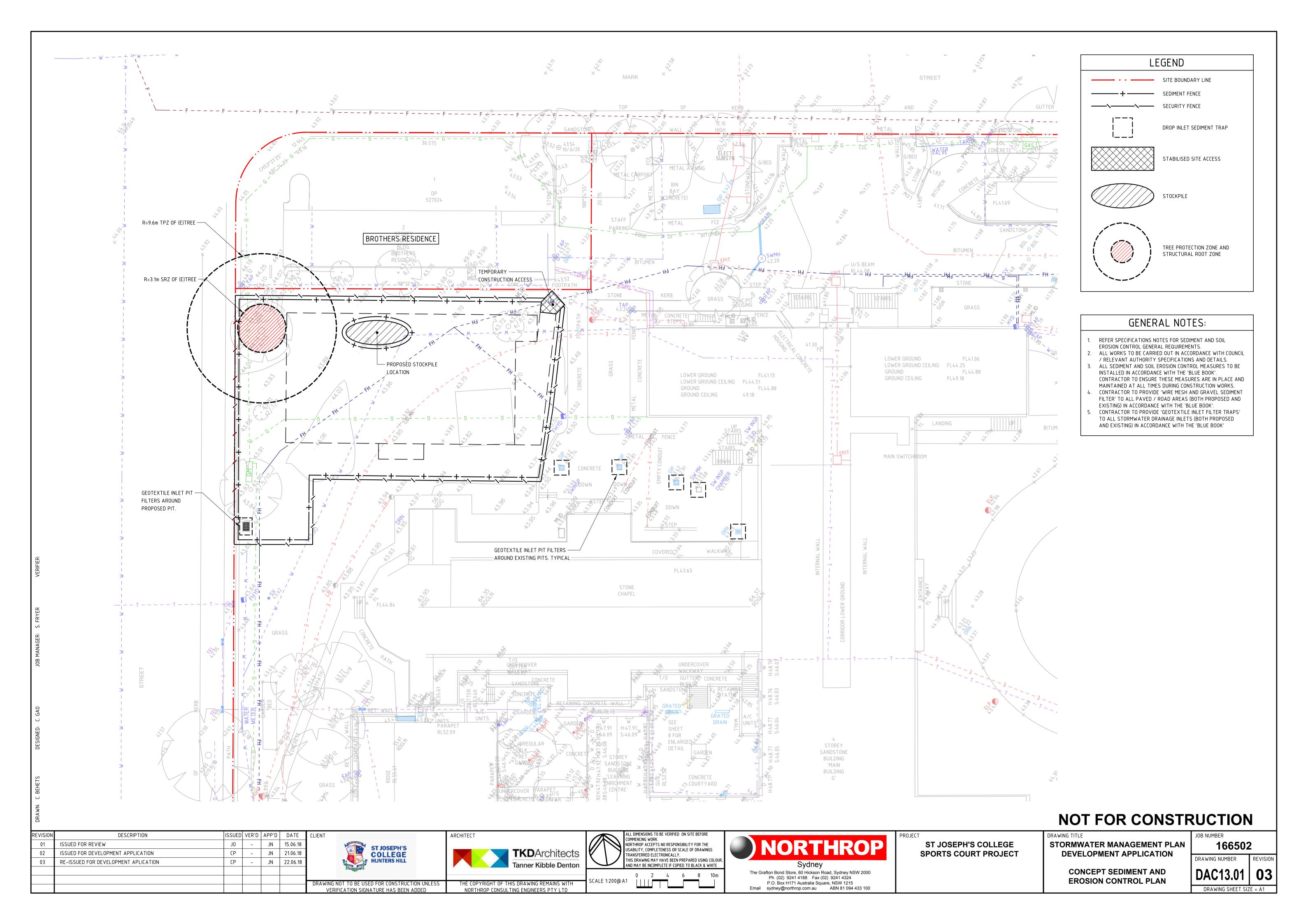
ST JOSEPH'S COLLEGE PHYSICAL **EDUCATION AND SPORTS PRECINCT PROJECT** 

STORMWATER MANAGEMENT PLAN **DEVELOPMENT APPLICATION** 

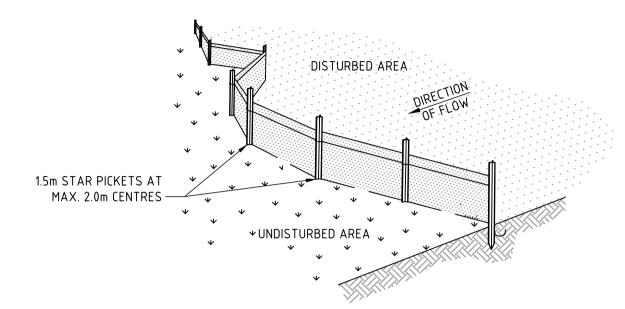
**COVER SHEET, DRAWING** SCHEDULE AND LOCALITY PLAN

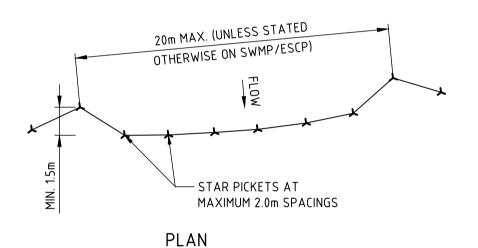
166502 DRAWING NUMBER

DRAWING SHEET SIZE = A1



## SECTION DETAIL

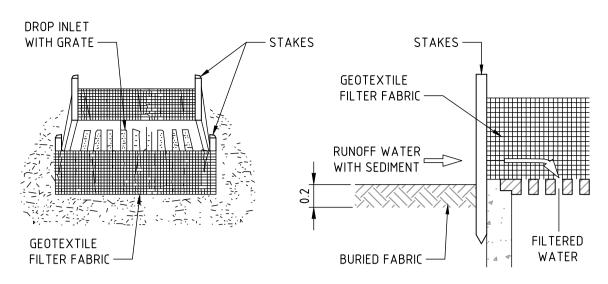




# SEDIMENT FENCE

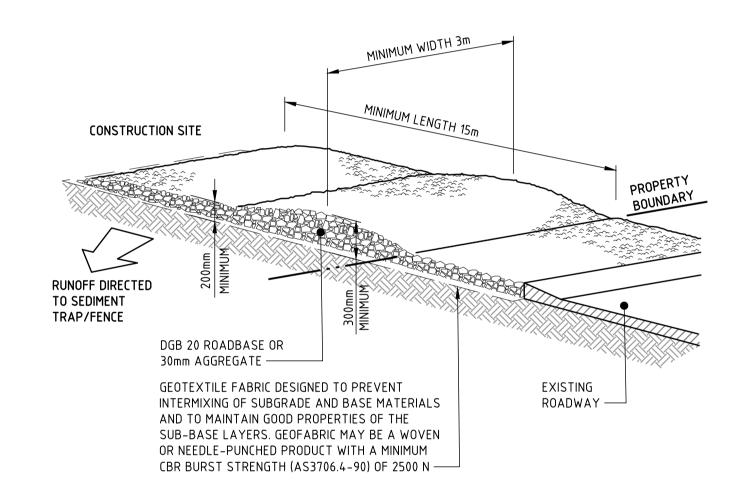
NOT TO SCALE

- 1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50L/s IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- CUT A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.0m INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- 4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



## GEOTEXTILE INLET FILTER DROP INLET SEDIMENT TRAP

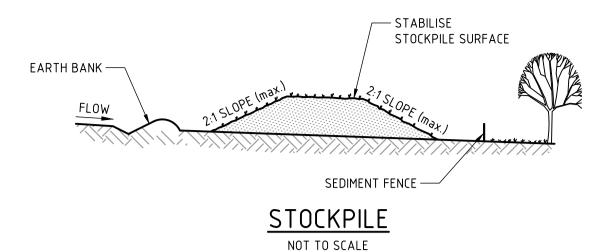
- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- CUT A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE
- DRIVE 1.0m LONG STAR PICKETS INTO GROUND AT THE FOUR CORNERS OF PIT WALLS. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



### CONSTRUCTION NOTES

- 1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- 2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
- 3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- 4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
- 5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS (SD 6-14)



- 1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION,
- CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT. 4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- 5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

## NOT FOR CONSTRUCTION

DRAWING TITLE STORMWATER MANAGEMENT PLAN **DEVELOPMENT APPLICATION** 

> CONCEPT SEDIMENT AND **EROSION CONTROL DETAILS**

166502 DRAWING NUMBER

DRAWING SHEET SIZE = A1

ISSUED VER'D APP'D DATE DESCRIPTION JN 15.06.18 ISSUED FOR REVIEW ISSUED FOR DEVELOPMENT APPLICATION CP JN 21.06.18 RE-ISSUED FOR DEVELOPMENT APLICATION JN 22.06.18



DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS

VERIFICATION SIGNATURE HAS BEEN ADDED





NORTHROP CONSULTING ENGINEERS PTY LTD

OMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOU AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

NOT TO SCALE

Sydney The Grafton Bond Store, 60 Hickson Road, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 P.O. Box H171 Australia Square, NSW 1215 Email sydney@northrop.com.au ABN 81 094 433 100

ST JOSEPH'S COLLEGE **SPORTS COURT PROJECT** 

