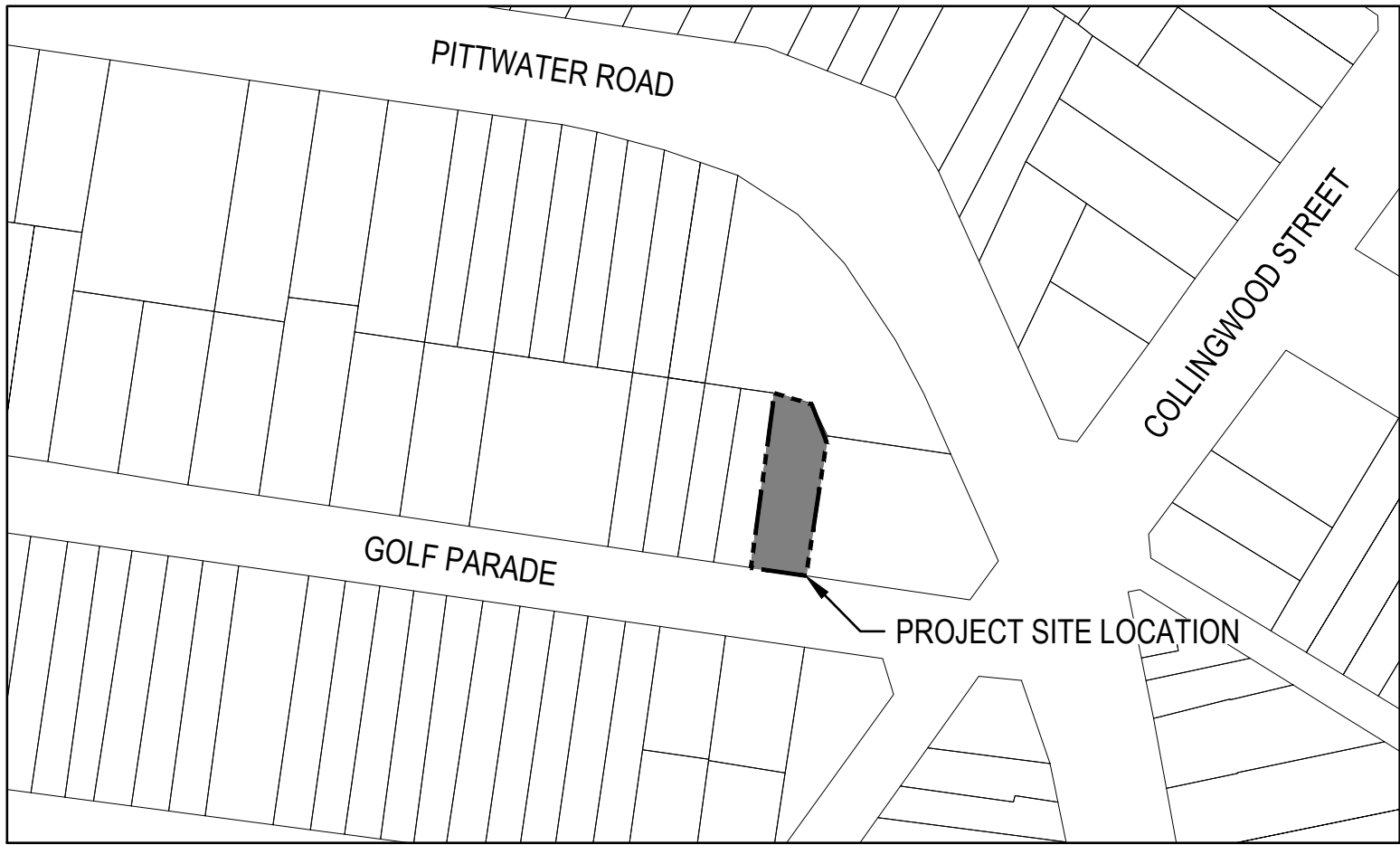




CIVIL SERVICES for 2A GOLF PARADE, MANLY, NSW, 2095

Prepared by
WALLACE INFRASTRUCTURE DESIGN PTY LTD



LOCATION PLAN
(NTS)

DRAWING NUMBER	DRAWING DESCRIPTION
C01.01	LEGEND, DRAWING SCHEDULE AND LOCATION PLAN
C02.01	GENERAL NOTES
C03.01	EROSION AND SEDIMENTATION CONTROL PLAN
C03.02	EROSION AND SEDIMENTATION CONTROL DETAILS
C04.01	CIVIL WORKS AND STORMWATER DRAINAGE PLAN
C05.01	TYPICAL SECTIONS AND DETAILS

ABBREVIATIONS

A/G ABOVE GROUND
AGG AGGREGATE
ARCH ARCHITECT
ASP ASPHALT
BM BENCHMARK
CAD COMPUTER AIDED DRAFTING
C/C CENTRE TO CENTRE
CH CHAINAGE
CI CAST IRON
CJ CONSTRUCTION JOINT
CL COVER LEVEL or CENTRE LINE
CO CLEAN OUT (SUBSOIL)
COG CHANGE OF GRADE
CONC CONCRETE
CTRL CONTROL
CR CROWN
CTS CENTRES
DIA DIAMETER
DP DOWNPIPE
DRG DRAWING
D/S DOWN STREAM
DTM DIGITAL TERRAIN MODEL
EB EDGE BEAM
EX EXISTING
ESL EXISTING SURFACE LEVEL
FHR FIRE HYDRANT
FHR FIRE HOSE REEL
FFL FINISHED FLOOR LEVEL
FGL FINISHED GROUND LEVEL
FSL FINISHED SURFACE LEVEL
FW FLOOR WASTE

GA GENERAL ARRANGEMENT
GI GALVANISED IRON
IC INSPECTION CHAMBER
ID INSIDE DIAMETER
IFC ISSUED FOR CONSTRUCTION
IFCR ISSUED FOR CLIENT REVIEW
IL INVERT LEVEL
IO INSPECTION OPENING
KIP KERB INLET PIT
LP LAMP POST (SURVEY)
(m) METRE
MAX MAXIMUM
MC MASS CONCRETE
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
N NORTH
NRV NON RETURN VALVE
NTS NOT TO SCALE
OD OUTER DIAMETER
OF OVERFLOW
OH OVERHEAD
PP POWER POLE
PPE PERSONAL PROTECTIVE EQUIPMENT
PVC POLYVINYLCHLORIDE
PV PRESSURE VENT
PVP PRESSURE VENT PIPE
QA QUALITY ANALYSIS
QTY QUANTITY
RAD RADIUS
RC REINFORCED CONCRETE

REV REVISION
RL REDUCED LEVEL
RSJ ROLLED STEEL JOIST
RW RETAINING WALL
SFW SEALED FLOOR WASTE
SHR SHOWER
SK KITCHEN SINK
SL SURFACE LEVEL
SMH SEWER MAN HOLE
SMV SEWER MAIN VENT
SOD SIDE OUTLET DRAIN
SP SPRINKLER
S/S STAINLESS STEEL
STD STANDARD
SV STOP VALVE
SWD STORMWATER DRAINAGE
SWP STORMWATER PIT
THK THICKNESS
TOW TOP OF WALL
TW TRADE WASTE
TYP TYPICAL
U/G UNDERGROUND
UNO UNLESS NOTED OTHERWISE
U/S UPSTREAM
VC VITRIFIED CLAY PIPE
VP VENT PIPE
VR VERTICAL RISER
WC WATER CLOSET
WL WATER LEVEL
WM WATER MARK
WS WASTE STACK

GENERAL

SITE BOUNDARY
CADASTRAL BOUNDARY
EASEMENT BOUNDARY

EXISTING - SURVEY FEATURES

CONTOURS
STORMWATER PIPE
STORMWATER PIT
TREES / SHRUBS
ELECTRICAL CABLE - U/G
ELECTRICAL CABLE - O/H
EXISTING SEWER PIPE
EXISTING WATER
EXISTING WATER (HYDRANT)
EXISTING WATER (STOP VALVE)
EXISTING TELECOM
EXISTING GAS
BUILDING FOOTPRINT

PROPOSED - UTILITIES

ELECTRICAL CABLE - U/G
ELECTRICAL CABLE - O/H

LINETYPES

PROPOSED - UTILITIES (cont.)

SEWER PIPE
WATER
COMMUNICATIONS
COMMUNICATIONS - OPTIC FIBRE
COMMUNICATIONS PIT
GAS
REDUNDANT

PROPOSED - EROSION AND SEDIMENT CONTROL

SITE EXCLUSION FENCE
STABLISED SITE ACCESS
SEDIMENT FENCE
MATERIAL STOCKPILE
DIVERSION DRAIN
SLOPE DIRECTION
MESH AND GRAVEL INLET FILTER

PROPOSED - ARCHITECTURE (INDICATIVE ONLY)

DWELLING NUMBER
FLOOR LEVEL
BUILDING FOOTPRINT

PROPOSED - SWD (STORMWATER DRAINAGE)

SWD PIPE
(INCL. DIA/GRADE/LENGTH)
SWD PIPE - CHARGED
(INCL. DIA/GRADE/LENGTH)
SWD PIT - GRATED
SWD - KERB INLET PIT
(INCLUDING LINTEL)
SWD PIT - JUNCTION
SWD LABEL
(TYPE / COVER LEVEL)
RAINWATER/REUSE TANK
GROSS POLLUTANT TRAP
GRATED DRAIN
INFILTRATION TRENCH
HEADWALL
SUBSOIL
STORMWATER SWALE
PIPE RISER
PIPE DROPPER
OVERLAND FLOW PATH

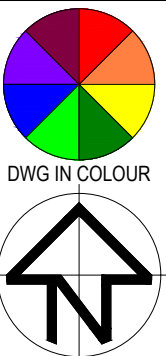
SYMBOLS

PROPOSED - CIVIL

CONCRETE
ASPHALTIC CONCRETE
SAND
EARTH
RIP RAP
BUILDING / STRUCTURES
TIMBER
BLOCK PAVERS
RETAINING WALL
KERB RAMP
VEHICULAR CROSSING
FENCE
PROPOSED TREE
BATTER
BOLLARD - TYPE 1 (FIXED)
BOLLARD - TYPE 2 (REMOVABLE)
LINEMARKING - CHEVRON
PAVEMENT EXPANSION JOINT
PAVEMENT CONTROL JOINT

AutoCAD Civil 3D 2021

© COPYRIGHT: THIS DOCUMENT AND DESIGN
REMAIN THE COPYRIGHT OF WALLACE
INFRASTRUCTURE DESIGN PTY LTD. THIS
DRAWING MUST NOT BE REPRODUCED IN ANY
FORM WITHOUT THE CONSENT OF WALLACE
INFRASTRUCTURE DESIGN PTY LTD. THIS
DRAWING HAS BEEN PRODUCED FOR THE
PURPOSE OF INDICATING THE DIAGRAMMATIC
DESIGN INTENT AND SCOPE OF WORKS
REQUIRED FOR THE INSTALLATION OF SERVICES
AS DETAILED, AND PERTAINED WITHIN THE
SPECIFICATION AND SHOULD BE READ IN
CONJUNCTION WITH THE ARCHITECTURAL
SPECIFICATION, ASSOCIATED SPECIFICATION,
LEVELS AND EXISTING SERVICES SHALL BE
INVESTIGATED AND CONFIRMED ON SITE BY THE
SUBCONTRACTOR AND BUILDER PRIOR TO THE
COMMENCEMENT OF ANY WORKS



THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS ENDORSED

REV	DESCRIPTION	DATE	APPVD	ENDOD
B	DA ISSUE	25.10.22	K.B.	-
A	FOR COORDINATION REVIEW	06.10.22	K.B.	-

ARCHITECT:

CHROFI

CLIENT:

CHROFI

3/1A THE CORSO, MANLY NSW 2095

INFO@CHROFI.COM

(02) 8096 8500



**WALLACE INFRASTRUCTURE
DESIGN PTY LTD**

PART OF WALLACE DESIGN GROUP PTY LTD
ABN: 96 154 694 952
PO BOX 850, WARNERS BAY, NSW 2282
phone: (02) 49 294 109
email: enquiries@wdsigroup.com.au
web: www.wdsigroup.com.au

PROJECT:

CIVIL WORKS for
LOT 2, DP 829523
2A GOLF PARADE
MANLY, NSW, 2095

DRAWING TITLE:

CIVIL SERVICES
LEGEND, DRAWING SCHEDULE
AND LOCATION PLAN

DRAWING STATUS **DA APPROVAL**

NOT TO BE USED FOR CONSTRUCTION

SCALE:					ORIG. SIZE	
N.T.S.					A1	
DRAWN	DESIGNED	CHECKED	APPROVED	ENDORSED	DATE	
JC	KB	IM	KB	--	25.10.22	
PROJECT No.			DRAWING No.			REV
22257			C01.01			A

GENERAL NOTES

1. ALL CONSTRUCTION WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S ENGINEERING REQUIREMENTS FOR DEVELOPMENTS.
2. ALL DIMENSIONS, EASEMENTS AND LOTS SUBJECT TO REGISTRATION OF DEPOSITED PLAN.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND CONSULTANT'S DRAWINGS AND SPECIFICATIONS, AND OTHER WRITTEN REPORTS (e.g GEOTECHNICAL, ARBORIST, ENVIRONMENTAL, ETC.). ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH ANY WORKS.
4. ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCH MARKS AS DIRECTED BY THE SUPERVISOR.
5. THE DEVELOPER, SHALL ENSURE ALL ASSOCIATED DOCUMENTATION (GEOTECHNICAL, LANDSCAPE, ARCHITECTURAL, ELECTRICAL, TELECOM, GAS ETC.) HAS BEEN APPROVED FOR CONSTRUCTION BEFORE COMMENCING ANY WORKS.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION, PROTECTION AND ADJUSTMENT TO ALL IN GROUND AND ABOVE GROUND SERVICES. SEE HUNTER WATER'S NOTICE OF REQUIREMENTS.
7. EROSION CONTROL MEASURES, DEVICES, SILT TRAPS. ETC. ARE TO BE INSTALLED BEFORE ANY SITE DISTURBANCE IN ACCORDANCE WITH COUNCIL INSPECTORS REQUIREMENTS AND SITE SEDIMENTATION AND EROSION CONTROL PLANS.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE WORK HEALTH SAFETY ACT.
9. VEHICULAR ACCESS AND ALL SERVICES ARE TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS.
10. ALL WASTE OR DEMOLISHED MATERIALS SHALL BE DISPOSED OF OFF SITE TO A COUNCIL APPROVED SITE. ALL FEES AND CHARGES SHALL BE INCLUDED IN THE CONTRACT SUM.
11. CONSTRUCTION VIBRATION TO COMPLY WITH AS2760.1-2004 AND/OR NSW DEPT OF ENVIRONMENT AND CONSERVATION NOISE REQUIREMENTS
12. EMISSIONS FROM SITE ARE NOT TO INTERFERE WITH THE AMENITY OF THE NEIGHBORHOOD.
13. NOISE EMISSIONS ARE TO COMPLY WITH NSW EPA NOISE CONTROL MANUAL. TIME RESTRICTIONS APPLY TO CONSTRUCTION WORKS AS FOLLOWS: 7AM TO 6PM MON-FRI; 8AM TO 1PM SAT.
14. TREES & SHRUBS WHICH ARE FELLED SHALL BE SALVAGED FOR RE-USE, EITHER IN LOG FORM, OR AS A WOODCHIP MULCH FOR EROSION CONTROL AND/OR SITE REHABILITATION. NON-SALVAGEABLE MATERIAL SUCH AS ROOTS & STUMPS SHALL BE DISPOSED OF IN AN APPROVED MANNER.
15. 'ESCP' REFERS TO EROSION AND SEDIMENT CONTROL PLAN, 'SWMP' REFERS TO SOIL AND WATER MANAGEMENT PLAN, AND, 'ESC' REFERS TO EROSION AND SEDIMENT CONTROL.
16. SEDIMENT, INCLUDES, BUT IS NOT LIMITED TO, CLAY, SILT, SAND, GRAVEL, SOIL, MUD, CEMENT AND CERAMIC WASTE.
17. ANY REFERENCE TO THE BLUE BOOK REFERS TO "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION", LANDCOM, 2004.
18. ANY REFERENCE TO THE IECA WHITE BOOKS (2008) REFERS TO IECA 2008, "BEST PRACTICE EROSION AND SEDIMENT CONTROL". BOOKS 1-6. INTERNATIONAL EROSION CONTROL ASSOCIATION (AUSTRALASIA), PICTON, NSW.
19. ANY MATERIAL DEPOSITED IN ANY CONSERVATION AREA FROM WORKS ASSOCIATED WITH THE DEVELOPMENT SHALL BE REMOVED IMMEDIATELY BY MEASURES INVOLVING MINIMAL GROUND AND/OR VEGETATION DISTURBANCES AND NO MACHINERY, OR FOLLOWING DIRECTIONS BY COUNCIL AND/OR WITHIN A TIMEFRAME ADVISED BY COUNCIL.

SURVEY NOTES

1. THE EXISTING SURVEY CONDITIONS SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM SURVEY INFORMATION SUPPLIED BY GEOSTRATA, DATED 26TH OCTOBER 2021, REF NO. 1689 DETAIL.
2. THE FOLLOWING SURVEY INFORMATION HAS BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS:

POSITION DATUM:PM 783

ORIENTATION:MGA

EASTING:341124.983

NORTHING:6259984.178

HEIGHT DATUM:RL: 5.725 (AHD)
3. THE INFORMATION SHOWN IS PROVIDED AS A BASIS FOR THE DESIGN. WALLACE DESIGN GROUP DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
4. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTRACTOR SHALL CONTACT GEOSTRATA.
5. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.

THE ESCP

1. THE ESCP AND ITS ASSOCIATED ESC MEASURES SHALL BE CONSTANTLY MONITORED, REVIEWED AND MODIFIED AS REQUIRED TO CORRECT DEFICIENCIES. COUNCIL HAS THE RIGHT TO DIRECT CHANGES IF, IN ITS OPINION, THE MEASURES THAT ARE PROPOSED OR HAVE BEEN INSTALLED ARE INADEQUATE TO PREVENT POLLUTION.
2. PRIOR TO ANY ACTIVITIES ONSITE, THE RESPONSIBLE PERSON(S) IS TO BE NOMINATED. THE RESPONSIBLE PERSON(S) SHALL BE RESPONSIBLE FOR THE ESC MEASURES ONSITE. THE NAME, ADDRESS AND 24 HOUR CONTACT DETAILS OF THE PERSON(S) SHALL BE PROVIDED TO COUNCIL IN WRITING. COUNCIL SHALL BE ADVISED WITHIN 48 HOURS OF ANY CHANGES TO THE RESPONSIBLE PERSON(S), OR THEIR CONTACT DETAILS, IN WRITING.
3. AT LEAST 14 DAYS BEFORE THE NATURAL SURFACE IS DISTRIBUTED IN ANY NEW STAGE, THE CONTRACTOR SHALL SUBMIT TO THE CERTIFIER A PLAN SHOWING ESC MEASURES FOR THAT STAGE. THE DEGREE OF DESIGN DETAIL SHALL BE BASED ON THE DISTRIBUTED AREA.
4. AT ANY TIME, THE ESC MEASURES ONSITE SHALL BE APPROPRIATE FOR THE AREA OF DISTURBANCE AND ITS CHARACTERISTICS, INCLUDING SOIL TYPE (IN ACCORDANCE WITH THOSE REQUIRED FOR THE SITE AS PER THE DCP).
5. THE IMPLEMENTATION OF THE ESCP SHALL BE SUPERVISED BY PERSONNEL WITH APPROPRIATE QUALIFICATIONS AND/OR EXPERIENCE IN ESC ON CONSTRUCTION SITES.
6. THE APPROVED ESCP SHALL BE AVAILABLE ON-SITE FOR INSPECTION BY COUNCIL OFFICERS WHILE WORK ACTIVITIES ARE OCCURRING.
7. THE APPROVED ESCP SHALL BE UP TO DATE AND SHOW A TIMELINE OF INSTALLATION, MAINTENANCE AND REMOVAL OF ESC MEASURES.
8. ALL ESC MEASURES SHALL BE APPROPRIATE FOR THE SEDIMENT TYPE(S) OF THE SOILS ONSITE, IN ACCORDANCE WITH THE BLUE BOOK, IECA WHITE BOOKS OR OTHER CURRENT RECOGNISED INDUSTRY STANDARDS PERTAINING TO ESC FOR AUSTRALIAN CONDITIONS.
9. ADEQUATE SITE DATA, INCLUDING SOIL DATA FROM A NATA APPROVED LABORATORY, SHALL BE OBTAINED TO ALLOW FOR THE PREPARATION OF AN APPROPRIATE ESCP, AND TO ALLOW FOR THE SELECTION, DESIGN AND SPECIFICATION OF REQUIRED ESC MEASURES.
10. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED ESCP (AS AMENDED FROM TIME TO TIME) UNLESS CIRCUMSTANCES ARISE WHERE:

A) COMPLIANCE WITH THE ESCP WOULD INCREASE THE POTENTIAL FOR ENVIRONMENTAL HARM

B) CIRCUMSTANCES CHANGE DURING CONSTRUCTION AND THOSE CIRCUMSTANCES COULD NOT HAVE BEEN FORSEEN; OR

C) COUNCIL DETERMINES THAT UNACCEPTABLE OFF-SITE SEDIMENTATION IS OCCURRING AS A RESULT OF A LAND-DISTURBING ACTIVITY. IN EITHER CASE, THE PERSON(S) RESPONSIBLE MAY BE REQUIRED TO TAKE ADDITIONAL, OR ALTERNATIVE PROTECTIVE ACTION, AND/OR UNDERTAKE REASONABLE RESTORATION WORKS WITHIN THE TIMEFRAME SPECIFIED BY THE COUNCIL.
11. ADDITIONAL ESC MEASURES SHALL BE IMPLEMENTED, AND A REVISED ESCP SUBMITTED FOR APPROVAL TO THE CERTIFIER (WITHIN 5 BUSINESS DAYS OF AN SUCH AMENDMENTS) IN THE EVENT THAT:

A) THERE IS A HIGH PROBABILITY THAT SERIOUS OR MATERIAL ENVIRONMENTAL HARM MAY OCCUR AS A RESULT OF SEDIMENT LEAVING THE SITE; OR

B) THE IMPLEMENTED WORKS FAIL TO ACHIEVE COUNCIL'S WATER QUALITY OBJECTIVES SPECIFIED IN THESE CONDITIONS; OR

C) SITE CONDITIONS SIGNIFICANTLY CHANGE; OR

D) SITE INSPECTIONS INDICATE THAT THE IMPLEMENTED WORKS ARE FAILING TO ACHIEVE THE "OBJECTIVE" OF THE ESCP.
12. A COPY OF ANY AMENDED ESCP SHALL BE FORWARDED TO AN APPROPRIATE COUNCIL OFFICER, WITHIN FIVE BUSINESS DAYS OF ANY SUCH AMENDMENTS.

SITE ESTABLISHMENT INCLUDING CLEARING AND MULCHING

1. NO LAND CLEARING SHALL BE UNDERTAKEN UNLESS PRECEDED BY THE INSTALLATION OF ADEQUATE DRAINAGE AND SEDIMENT CONTROL MEASURES, UNLESS SUCH CLEARING IS REQUIRED FOR THE PURPOSE OF INSTALLING SUCH MEASURES, IN WHICH CASE, ONLY THE MINIMUM CLEARING REQUIRED TO INSTALL SUCH MEASURES SHALL OCCUR.
2. BULK TREE CLEARING AND GRUBBING OF THE SITE SHALL BE IMMEDIATELY FOLLOWED BY SPECIFIED TEMPORARY EROSION CONTROL MEASURES (E.G. TEMPORARY GRASSING OR MULCHING) PRIOR TO THE COMMENCEMENT OF EACH STAGE OF CONSTRUCTION WORKS.
3. TREES AND VEGETATION CLEARED FROM THE SITE SHALL BE MULCHED ONSITE WITHIN 7 DAYS OF CLEARING.
4. APPROPRIATE MEASURES SHALL BE UNDERTAKEN TO CONTROL ANY DUST ORIGINATING DUE TO THE MULCHING OF VEGETATION ONSITE.
5. ALL OFFICE FACILITIES AND OPERATIONAL ACTIVITIES SHALL BE LOCATED SUCH THAT ANY EFFLUENT, INCLUDING WASH-DOWN WATER, CAN BE TOTALLY CONTAINED AND TREATED WITHIN THE SITE.
6. ALL REASONABLE AND PRACTICABLE MEASURES SHALL BE TAKEN TO ENSURE STORMWATER RUNOFF FROM ACCESS ROADS AND STABILISED ENTRY/EXIT SYSTEMS DRAINS TO AN APPROPRIATE SEDIMENT CONTROL DEVICE.
7. SITE EXIT POINTS SHALL BE APPROPRIATELY MANAGED TO MINIMISE THE RISK OF SEDIMENT BEING TRACKED ONTO SEALED, PUBLIC ROADWAYS.
8. STORMWATER RUNOFF FROM ACCESS ROADS AND STABILIZED ENTRY/EXIT POINTS SHALL DRAIN TO AN APPROPRIATE SEDIMENT CONTROL DEVICE.
9. THE APPLICANT SHALL ENSURE AN ADEQUATE SUPPLY OF ESC, AND APPROPRIATE POLLUTION CLEAN-UP MATERIALS ARE AVAILABLE ON-SITE AT ALL TIMES.
10. ALL TEMPORARY EARTH BANKS, FLOW DIVERSION SYSTEMS, AND SEDIMENT BASIN EMBANKMENTS SHALL BE MACHINE-COMPACTED, SEEDED AND MULCHED WITHIN 10 DAYS OF FORMATION FOR THE PURPOSE OF ESTABLISHING A VEGETATIVE COVER, OR LINED APPROPRIATELY.
11. SEDIMENT DEPOSITED OFF SITE AS A RESULT OF ON-SITE ACTIVITIES SHALL BE COLLECTED AND THE AREA CLEANED/REHABILITATED AS SOON AS REASONABLE AND PRACTICABLE.
12. CONCRETE WASTE AND CHEMICAL PRODUCTS INCLUDING PETROLEUM AND OIL-BASED PRODUCTS, SHALL BE PREVENTED FROM ENTERING ANY INTERNAL OR EXTERNAL WATER BODY, OR ANY EXTERNAL DRAINAGE SYSTEM, EXCLUDING THOSE ON-SITE WATER BODIES SPECIFICALLY DESIGNED TO CONTAIN AND/OR TREAT SUCH MATERIAL. APPROPRIATE

- MEASURES SHALL BE INSTALLED TO TRAP THESE MATERIALS ONSITE.
13. BRICK, TILE OR MASONRY CUTTINGS SHALL BE CARRIED OUT ON A PERVIOUS SURFACE (E.G. GRASS OR OPEN SOIL) AND IN SUCH A MANNER THAT ANY RESULTING SEDIMENT-LADEN RUNOFF IS PREVENTED FROM DISCHARGING INTO A GUTTER, DRAIN OR WATER. APPROPRIATE MEASURES SHALL BE INSTALLED TO TRAP THESE MATERIALS ONSITE.
14. NEWLY SEALED HARD-STAND AREAS (E.G. ROADS, DRIVEWAYS AND CAR PARKS) SHALL BE SWEEP THOROUGHLY AS SOON AS PRACTICABLE AFTER SEALING/SURFACING TO MINIMISE THE RISK OF COMPONENTS OF THE SURFACING COMPOUND ENTERING THE STORMWATER DRAINS.
15. STOCKPILES OF ERODIBLE MATERIAL SHALL BE PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC OR ORGANIC) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 10 DAYS.
16. STOCKPILES, TEMPORARY OR PERMANENT, SHALL NOT BE LOCATED IN AREAS IDENTIFIED AS NO-GO ZONES (INCLUDING, BUT NOT LIMITED TO, RESTRICTED ACCESS AREAS, BUFFER ZONES, OR AREAS OF NON-DISTURBANCE) ON THE ESCP.
17. NO MORE THAN 150m OF STORMWATER, SEWER LINE OR OTHER SERVICE TRENCH SHALL BE TO OPEN AT ANY ONE TIME.
18. SITE SPOIL SHALL BE LAWFULLY DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ONGOING SOIL EROSION OR ENVIRONMENTAL HARM.
19. WHEREVER REASONABLE AND PRACTICABLE, STORMWATER RUNOFF ENTERING THE SITE FROM EXTERNAL AREAS, AND NON-SEDIMENT LADEN (CLEAN) STORMWATER RUNOFF ENTERING A WORK AREA OR AREA OF SOIL DISTURBANCE, SHALL BE DIVERTED AROUND OR THROUGH THAT AREA IN A MANNER THAT MINIMISES SOIL EROSION AND THE CONTAMINATION OF THAT WATER FROM ALL DISCHARGES UP TO THE SPECIFIED DESIGN STORM DISCHARGE.

SITE MANAGEMENT INCLUDING DUST

1. PRIORITY SHALL BE GIVEN TO THE PREVENTION, OR AT LEAST THE MINIMISATION, OF SOIL EROSION, RATHER THAN THE TRAPPING OF DISPLACED SEDIMENT. SUCH A CLAUSE SHALL NOT REDUCE THE RESPONSIBILITY TO APPLY AND MAINTAIN, AT ALL TIMES, ALL NECESSARY ESC MEASURES.
2. MEASURES USED TO CONTROL WIND EROSION SHALL BE APPROPRIATE FOR THE LOCATION AND PREVENT SOIL EROSION AND EMISSIONS FROM SITE AT ALL TIMES, INCLUDING WORKING HOURS, OUT OF HOURS, WEEKENDS, PUBLIC HOLIDAYS, AND DURING ANY OTHER SHUTDOWN PERIODS.
3. THE APPLICATION OF LIQUID OR CHEMICAL-BASED DUST SUPPRESSION MEASURES SHALL ENSURE THAT SEDIMENT-LADEN RUNOFF RESULTING FROM SUCH MEASURES DOES NOT CREATE A TRAFFIC OR ENVIRONMENTAL HAZARD.
4. ALL CUT AND FILL EARTH BATTERS LESS THAN 3m IN ELEVATION SHALL BE TOPSOILED, AND GRASS SEEDED/HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF GRADING IN CONSULTATION WITH COUNCIL.
5. ALL DISTURBED AREAS SHALL BE STABILISED IN ACCORDANCE WITH TIMELINES IN THE BLUE BOOK.
6. ALL REASONABLE AND PRACTICABLE MEASURES SHALL BE TAKEN TO PREVENT, OR AT LEAST MINIMISE, THE RELEASE OF SEDIMENT FROM THE SITE.
7. SUITABLE ALL-WEATHER MAINTENANCE ACCESS SHALL BE PROVIDED TO ALL SEDIMENT CONTROL DEVICES.
8. SEDIMENT CONTROL DEVICES OTHER THAN SEDIMENT BASINS SHALL BE DE-SILTED AND MADE FULLY OPERATIONAL AS SOON AS REASONABLE AND PRACTICABLE AFTER A SEDIMENT-PRODUCING EVENT, WETHER NATURAL OR ARTIFICIAL, IF THE DEVICES SEDIMENT RETENTION CAPACITY FALLS BELOW 75% OF ITS DESIGNED RETENTION CAPACITY.
9. ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING DRAINAGE CONTROL MEASURES, SHALL BE MAINTAINED IN PROPER WORKING ORDER AT ALL TIMES DURING THEIR OPERATION LIVES.
10. WASHING/FLUSHING OF SEALED ROADWAYS SHALL ONLY OCCUR WHERE SWEEPING HAS FAILED TO REMOVE SUFFICIENT SEDIMENT AND THERE IS A COMPELLING NEED TO REMOVE THE REMAINING SEDIMENT (E.G. FOR SAFETY REASONS). IN SUCH CIRCUMSTANCES, ALL REASONABLE AND PRACTICABLE SEDIMENT CONTROL MEASURES SHALL BE USED TO PREVENT, OR AT LEAST MINIMISE, THE RELEASE OF SEDIMENT INTO THE RECEIVING WATERS. ONLY THOSE MEASURES THAT WILL NOT CAUSE SAFETY AND PROPERTY FLOODING ISSUES SHALL BE EMPLOYED. SEDIMENT REMOVED FROM ROADWAYS SHALL BE DISPOSED OF IN A LAWFUL MANNER THAT DOES NOT CAUSE ONGOING SOIL EROSION OR ENVIRONMENTAL HARM.
11. SEDIMENT REMOVED FROM SEDIMENT TRAPS AND PLACES OF SEDIMENT DEPOSITIONS SHALL BE DISPOSED OF IN A LAWFUL MANNER THAT DOES NOT CAUSE ONGOING SOIL EROSION OR ENVIRONMENTAL HARM.

REVEGETATION/STABILISATION

1. TEMPORARY STABILISATION MAY BE ATTAINED USING VEGETATION, NON WETTABLE SOIL POLYMERS, OR PNEUMATICALLY APPLIED EROSION CONTROLS.
2. ALL CUT AND FILL EARTH BATTERS LESS THAN 3m IN ELEVATION SHALL BE TOPSOILED, AND GRASS SEEDED/HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF GRADING IN CONSULTATION WITH COUNCIL.
3. AT THE COMPLETION OF FORMATION IN ANY SECTION, ALL DISTRIBUTED AREAS SHALL BE STABILISED IN ACCORDANCE WITH TIME LINES IN THE BLUE BOOK.
4. THE COUNCIL SEED MIX SHALL BE USED UNLESS STATED ON THE ESCP/SWMP.
5. THE PH LEVEL OF TOPSOIL SHALL BE APPROPRIATE TO ENABLE ESTABLISHMENT AND GROWTH OF SPECIFIED VEGETATION PRIOR TO INITIATING THE ESTABLISHMENT OF VEGETATION.
6. NON RETWETTABLE BINDER SHALL BE USED IN ALL HYDROMULCH/HYDROSEED POLYMER MIXES ON SLOPES OR WORKS ADJACENT TO A WATER COURSE.
7. SOIL AMELIORANTS SHALL BE ADDED TO THE SOIL IN ACCORDANCE WITH AN APPROVED LANDSCAPE PLAN, VEGETATION MANAGEMENT PLAN, AND/OR SOIL ANALYSIS.
8. PROCEDURES FOR INITIATING A SITE SHUTDOWN, WHETHER PROGRAMMED OR UN-PROGRAMMED, SHALL INCORPORATE REVEGETATION OF ALL SOIL DISTURBANCES UNLESS OTHERWISE APPROVED BY COUNCIL. THE STABILISATION WORKS SHALL NOT RELY UPON THE LONGEVITY OF NON-VEGETATED EROSION CONTROL BLANKETS, OR TEMPORARY SOIL BINDERS.

SITE MONITORING AND MAINTENANCE

1. THE APPLICANT SHALL ENSURE THAT APPROPRIATE PROCEDURES AND SUITABLY QUALIFIED PERSONNEL ARE ENGAGED TO PLAN AND CONDUCT SITE INSPECTIONS AND WATER QUALITY MONITORING THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PHASE.
2. ALL ESC MEASURES SHALL BE INSPECTED AND ANY MAINTENANCE UNDERTAKEN:

A) AT LEAST DAILY (WHEN WORKS IS OCCURRING ON-SITE); AND

B) AT LEAST WEEKLY (WHEN WORKS IS NOT OCCURRING ON-SITE) AND

C) WITHIN 24 HOURS OF EXPECTED RAINFALL; AND

D) WITHIN 18 HOURS OF A RAINFALL EVENT THAT CAUSES RUNOFF ON THE SITE.
3. WRITTEN RECORDS SHALL BE KEPT ONSITE OF ESC MONITORING AND MAINTENANCE ACTIVITIES CONDUCTED DURING THE CONSTRUCTION AND MAINTENANCE PERIODS, AND BE AVAILABLE TO COUNCIL OFFICERS ON REQUEST.
4. ALL ENVIRONMENTAL RELEVANT INCIDENTS SHALL BE RECORDED IN A FIELD LOG THAT SHALL REMAIN ACCESSIBLE TO ALL RELEVANT REGULATORY AUTHORITIES.
5. ALL WATER QUALITY DATA, INCLUDING DATES OF RAINFALL, DATES OF TESTING, TESTING RESULTS AND DATES OF WATER RELEASE, SHALL BE KEPT IN AN ON-SITE REGISTER. THE REGISTER IS TO BE MAINTAINED UP TO DATE FOR THE DURATION OF THE APPROVED WORKS AND BE AVAILABLE ON-SITE FOR INSPECTION BY ALL RELEVANT REGULATORY AUTHORITIES ON REQUEST.
6. AT NOMINATED INSTREAM WATER MONITORING SITES, A MINIMUM OF 3 WATER SAMPLES SHALL BE TAKEN AND ANALYSED, AND THE AVERAGE RESULT USED TO DETERMINE QUALITY.

STORMWATER NOTES

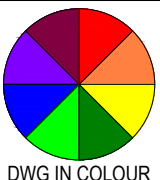
1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DETAILS.
2. ALL WORKS ARE TO BE IN ACCORDANCE WITH AS3500, COUNCIL'S DEVELOPMENT CONTROL PLAN AND PROPRIETARY MANUFACTURERS RECOMMENDATIONS.
3. UNLESS OTHERWISE STATED, ALL STORMWATER PIPES (INCLUDING DOWNPIPES AND RAINWATER TANK OVERFLOW PIPES) ARE TO BE uPVC SEWER GRADE, U.N.O JOINTED & INSTALLED TO MANUFACTURERS RECOMMENDATIONS.
4. ALL uPVC STORMWATER LINES TO HAVE ALL JOINTS, INC. DOWNPIPE CONNECTIONS, FULLY SOLVENT WELDED, INCLUDING ANY CHARGED LINES.
5. CONNECT DOWNPIPES AS REQUIRED TO NOMINATED HARVESTING TANK IN ACCORDANCE WITH APPROVED DEVELOPMENT PLANS AND HYDRAULIC ENGINEERS DESIGN.
6. ALL LEVELS ARE DATUM AHD.
7. ALL LEVELS ARE FINISHED PAVEMENT OR LAWN LEVELS.
8. CONTRACTOR TO ALLOW FOR ALL PIPE SUPPORT SYSTEM TO SOFFIT AS PER MANUFACTURERS SPECIFICATIONS.
9. ALL CONCRETE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH AS1379.
10. AT COUNCILS DISCRETION, ALL CONCRETE CAN BE SUBJECT TO PROJECT ASSESSMENT AND TESTING TO AS1379
11. MINIMUM PIPE COVERS TO BE IN ACCORDANCE WITH AS3500.
12. PITS TO BE FILLED ACCORDINGLY TO MEET INVERTS AS NEEDED.
13. CONTRACTOR TO CONFIRM ALL LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO WALLACE DESIGN GROUP.

SUBSOIL DRAINAGE NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH COUNCIL'S CONSTRUCTION SPECIFICATIONS FOR SUBSURFACE DRAINAGE.
2. SUBSOIL PIPE TO BE Ø100 SLOTTED PVC OR CORRUGATED CIRCULAR PLASTIC PIPE AND ENCLOSED IN SEAMLESS FILTER FABRIC SOCK
3. SUBSOIL DRAINS SHALL CONSIST OF A 300 (MINIMUM) WIDE TRENCH, BACKFILLED WITH 7 OR 10mm AGGREGATE AND WRAPPED IN BIDIM A12 GEOTEXTILE FABRIC OR SIMILAR, LAPPED AT THE TOP. DEPTH OF TRENCH TO EXTEND 450 (MINIMUM) IN ROCK OR 600 (MINIMUM) IN EARTH BELOW FINISHED SUB-GRADE LEVEL. INVERT OF TRENCH SHOULD ALSO BE LOWER THAN THE INVERT OF ANY SERVICE CROSSINGS.

AutoCAD Civil 3D 2021

© COPYRIGHT: THIS DOCUMENT AND DESIGN REMAIN THE COPYRIGHT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE CONSENT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF INDICATING THE DIAGRAMMATIC DESIGN INTENT AND SCOPE OF WORKS REQUIRED FOR THE INSTALLATION OF SERVICES AS DETAILED, AND PERTAINED WITHIN THE SPECIFICATION AND SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATION, ASSOCIATED SPECIFICATION, CODES AND STANDARDS. ALL DIMENSIONS, LEVELS AND EXISTING SERVICES SHALL BE INVESTIGATED AND CONFIRMED ON-SITE BY THE SUBCONTRACTOR AND BUILDER PRIOR TO THE COMMENCEMENT OF ANY WORKS



DWG IN COLOUR

THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS ENDORSED					
B	DA ISSUE	25.10.22	K.B.	-	
A	FOR COORDINATION REVIEW	06.10.22	K.B.	-	
REV	DESCRIPTION	DATE	APPVD	ENDOD	

ARCHITECT:

CHROFI

CLIENT:

CHROFI

3/1A THE CORSO, MANLY NSW 2095

INFO@CHROFI.COM

(02) 8096 8500



WALLACE INFRASTRUCTURE DESIGN PTY LTD

PART OF WALLACE DESIGN GROUP PTY LTD
ABN: 96 154 694 952

PO BOX 850, WARNERS BAY, NSW 2282
phone: (02) 49 294 199
email: enquiries@wdsgroup.com.au
web: www.wdsgroup.com.au

PROJECT:

CIVIL WORKS for

LOT 2, DP 829523

2A GOLF PARADE

MANLY, NSW, 2095

DRAWING TITLE:

CIVIL SERVICES

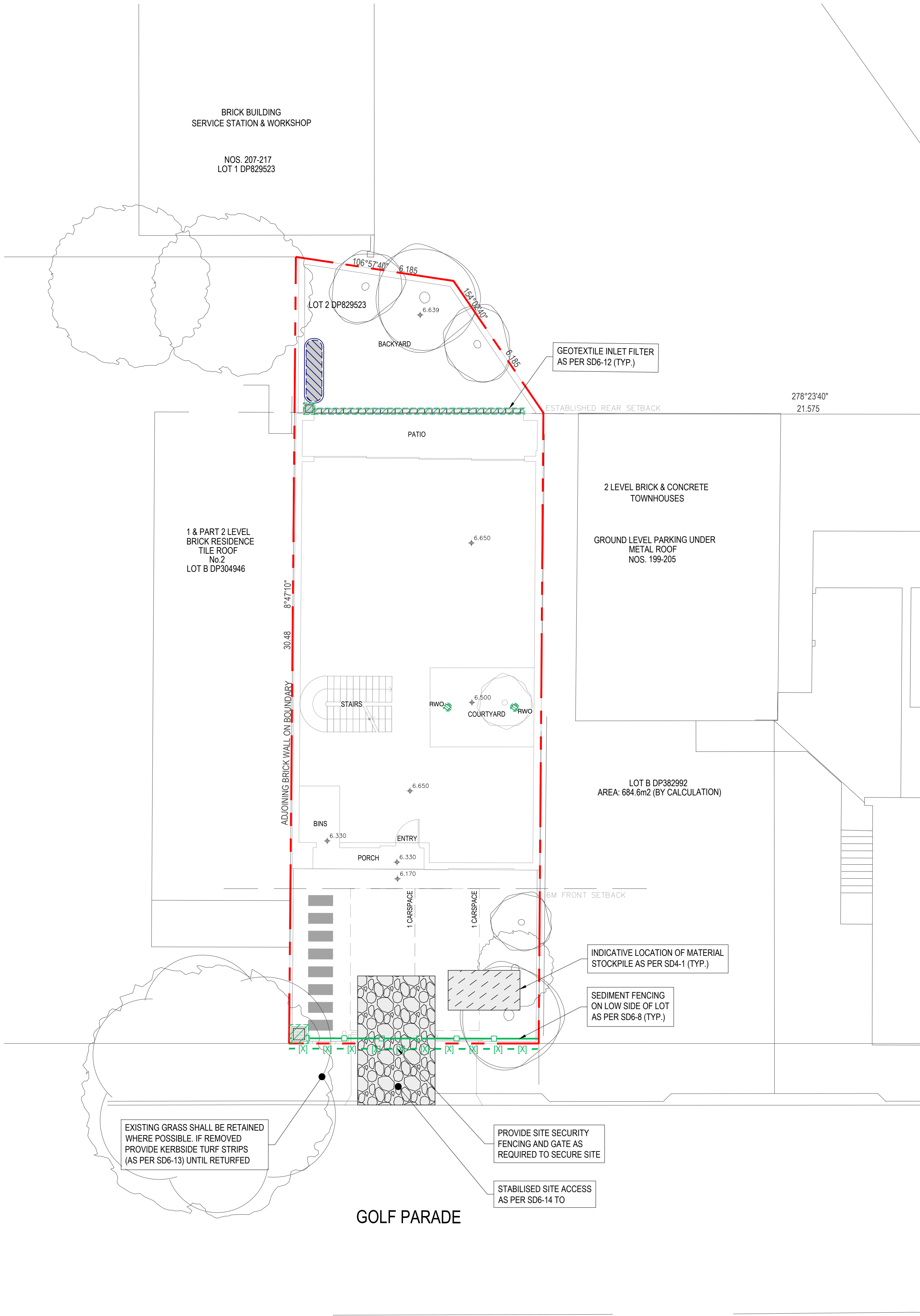
GENERAL NOTES

DRAWING STATUS

DA APPROVAL

NOT TO BE USED FOR CONSTRUCTION

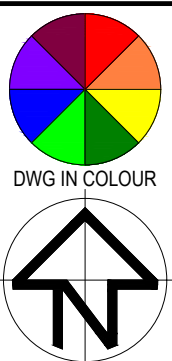
SCALE:		N.T.S.		ORIG. SIZE	
				A1	
DRAWN	DESIGNED	CHECKED	APPROVED	ENDORSED	DATE
JC	KB	IM	KB	--	25.10.22
PROJECT No.		DRAWING No.			REV
22257		C02.01			A



SCALE METRES 1:100 @ A1

AutoCAD Civil 3D 2021

© COPYRIGHT: THIS DOCUMENT AND DESIGN REMAIN THE COPYRIGHT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE CONSENT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF INDICATING THE DIAGRAMMATIC DESIGN INTENT AND SCOPE OF WORKS REQUIRED FOR THE INSTALLATION OF SERVICES AS DETAILED, AND PERTAINED WITHIN THE SPECIFICATION AND SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATION, ASSOCIATED SPECIFICATION, CODES AND STANDARDS. ALL DIMENSIONS, LEVELS AND EXISTING SERVICES SHALL BE INVESTIGATED AND CONFIRMED ON SITE BY THE SUBCONTRACTOR AND BUILDER PRIOR TO THE COMMENCEMENT OF ANY WORKS.



THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS ENDORSED

REV	DESCRIPTION	DATE	APPVD	ENDOD
B	DA ISSUE	25.10.22	K.B.	-
A	FOR COORDINATION REVIEW	06.10.22	K.B.	-

ARCHITECT:

CHROFI

CLIENT:

CHROFI

3/1A THE CORSO, MANLY NSW 2095

INFO@CHROFI.COM

(02) 8096 8500



WALLACE INFRASTRUCTURE DESIGN PTY LTD

PART OF WALLACE DESIGN GROUP PTY LTD
ABN: 96 154 694 952

PO BOX 850, WARNERS BAY, NSW 2282
phone: (02) 49 294 109
email: enquiries@wdsigroup.com.au
web: www.wdsigroup.com.au

PROJECT:

CIVIL WORKS for

LOT 2, DP 829523

2A GOLF PARADE

MANLY, NSW, 2095

DRAWING TITLE:

CIVIL SERVICES

EROSION AND SEDIMENTATION CONTROL PLAN

DRAWING STATUS

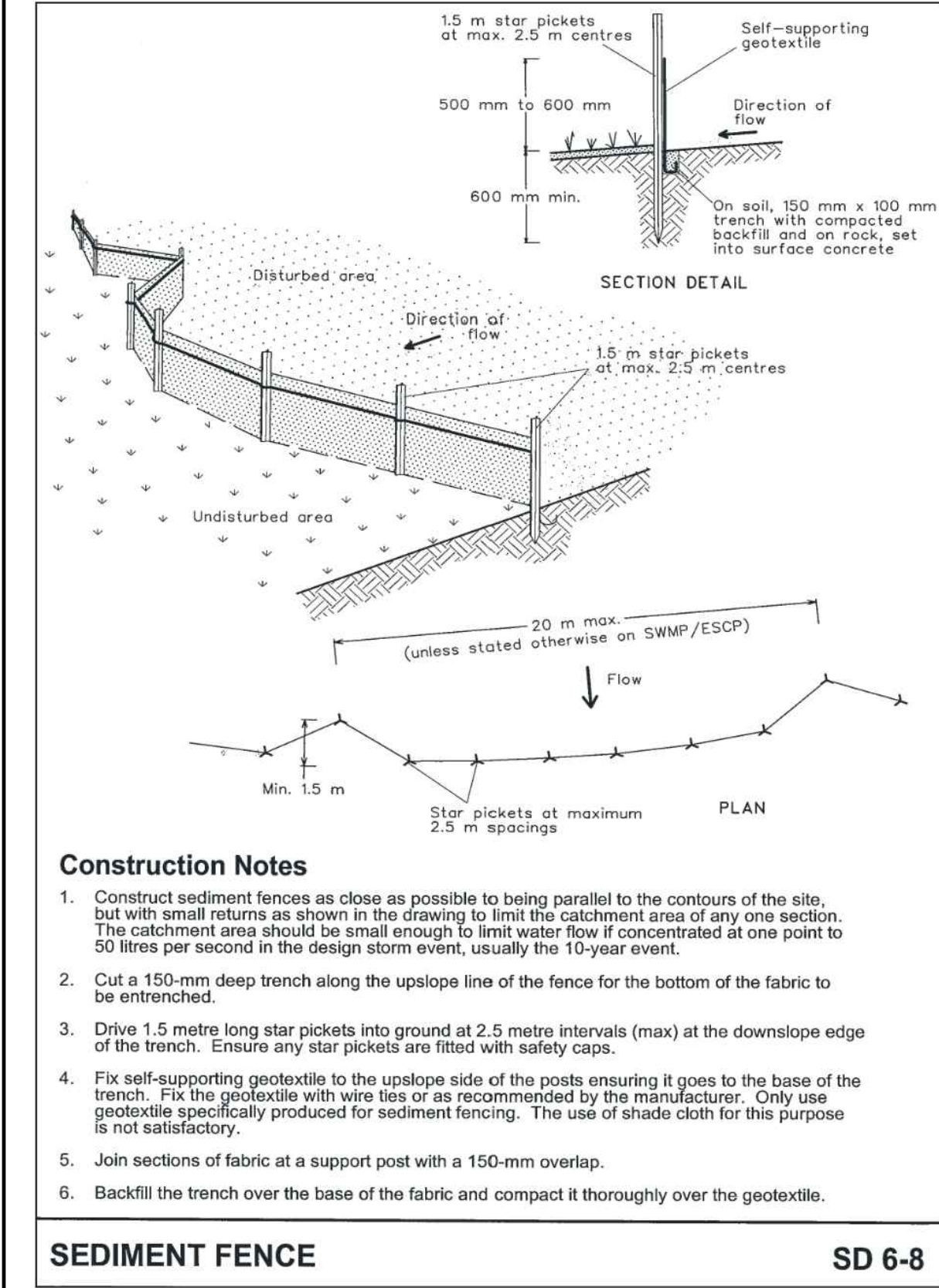
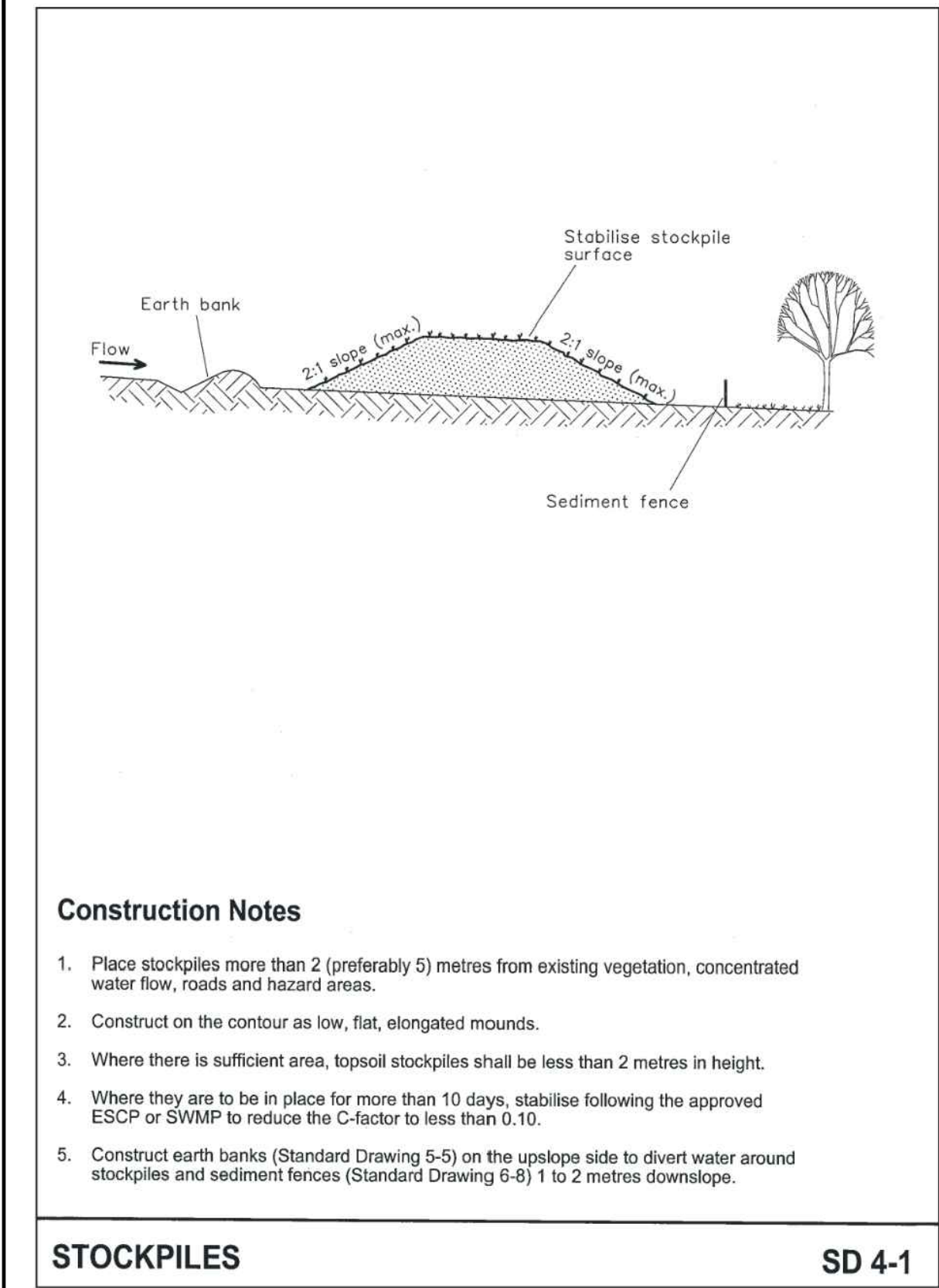
DA APPROVAL

NOT TO BE USED FOR CONSTRUCTION

SCALE:				ORIG. SIZE	
1:100				A1	
DRAWN	DESIGNED	CHECKED	APPROVED	ENDORSED	DATE
JC	KB	IM	KB	--	25.10.22
PROJECT No.		DRAWING No.			REV
22257		C03.01			A

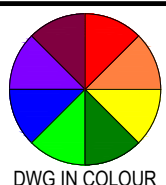
NOTE

1. ALL EROSION & SEDIMENTATION CONTROL (ESC) PLAN DETAILS SHOWN ARE FROM "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION", LANDCOM, 2004. DETAILS, ALTHOUGH NOT SPECIFICALLY IDENTIFIED FOR USE ON THE ESC PLAN (SHEET C03.01), ARE PROVIDED IN THE EVENT ADDITIONAL CONTROLS ARE REQUIRED TO MINIMISE ON-SITE EROSION DURING THE COURSE OF CONSTRUCTION. IF AN ESC DETAIL IS NOT SHOWN, CONTRACTOR SHALL REFER TO THE ABOVE REFERENCED GUIDE.



AutoCAD Civil 3D 2021

© COPYRIGHT: THIS DOCUMENT AND DESIGN REMAIN THE COPYRIGHT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE CONSENT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF INDICATING THE DIAGRAMMATIC DESIGN INTENT AND SCOPE OF WORKS REQUIRED FOR THE INSTALLATION OF SERVICES AS DETAILED, AND PERTAINED WITHIN THE SPECIFICATION AND SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATION, ASSOCIATED SPECIFICATION CODES AND STANDARDS. ALL DIMENSIONS, LEVELS AND EXISTING SERVICES SHALL BE INVESTIGATED AND CONFIRMED ON SITE BY THE SUBCONTRACTOR AND BUILDER PRIOR TO THE COMMENCEMENT OF ANY WORKS.



DWG IN COLOUR

THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS ENDORSED

REV	DESCRIPTION	DATE	APP'D	END'D
B	DA ISSUE	25.10.22	K.B.	-
A	FOR COORDINATION REVIEW	06.10.22	K.B.	-

ARCHITECT:

CHROFI

CLIENT:

CHROFI

3/1A THE CORSO, MANLY NSW 2095

INFO@CHROFI.COM

(02) 8096 8500



WALLACE INFRASTRUCTURE DESIGN PTY LTD

PART OF WALLACE DESIGN GROUP PTY LTD
ABN: 96 154 894 952

PO BOX 850, WARNERS BAY, NSW 2282
phone: (02) 49 294 109
email: enq@wdesigngroup.com.au
web: www.wdesigngroup.com.au

PROJECT:

CIVIL WORKS for

LOT 2, DP 829523

2A GOLF PARADE

MANLY, NSW, 2095

DRAWING TITLE:

CIVIL SERVICES

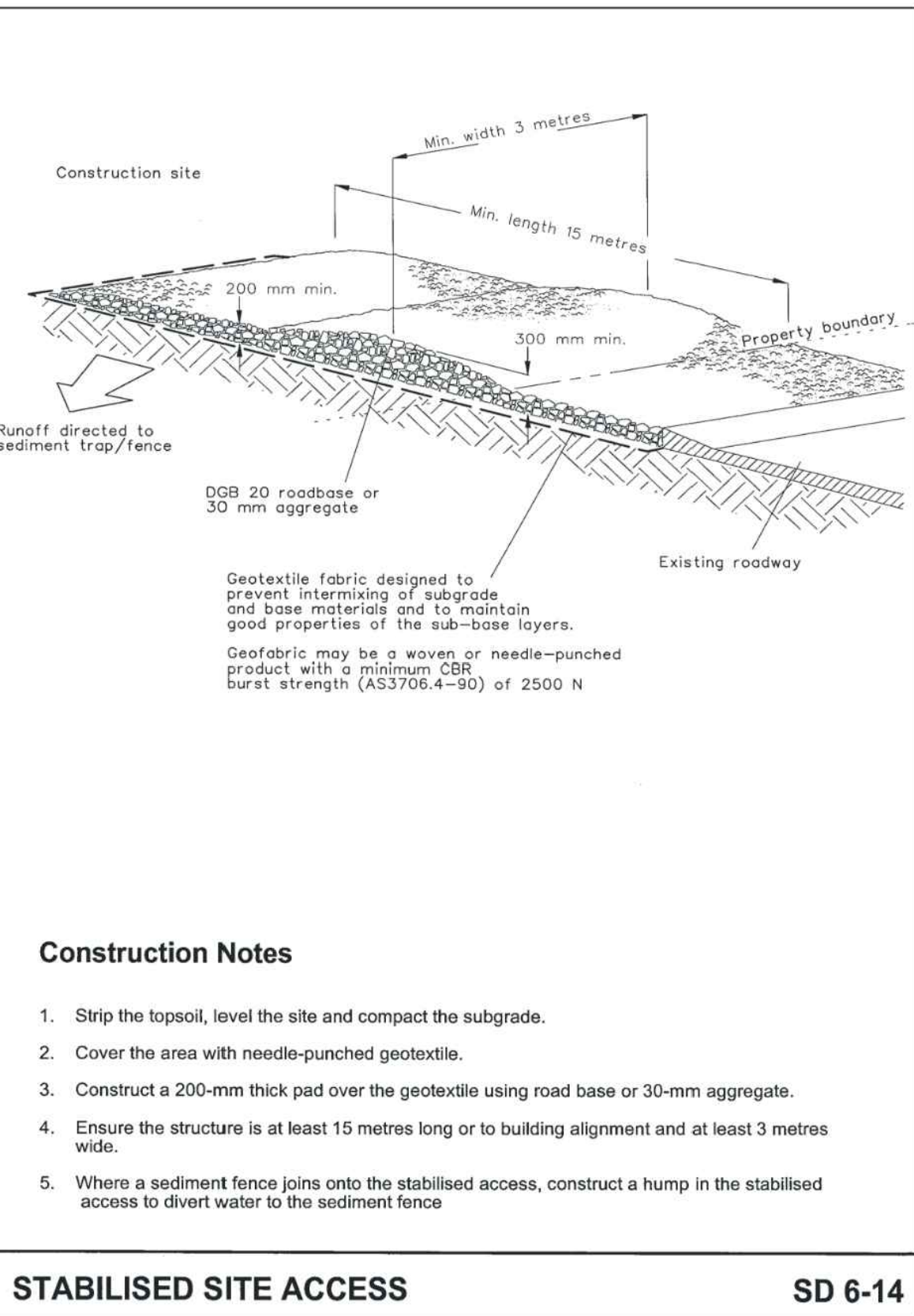
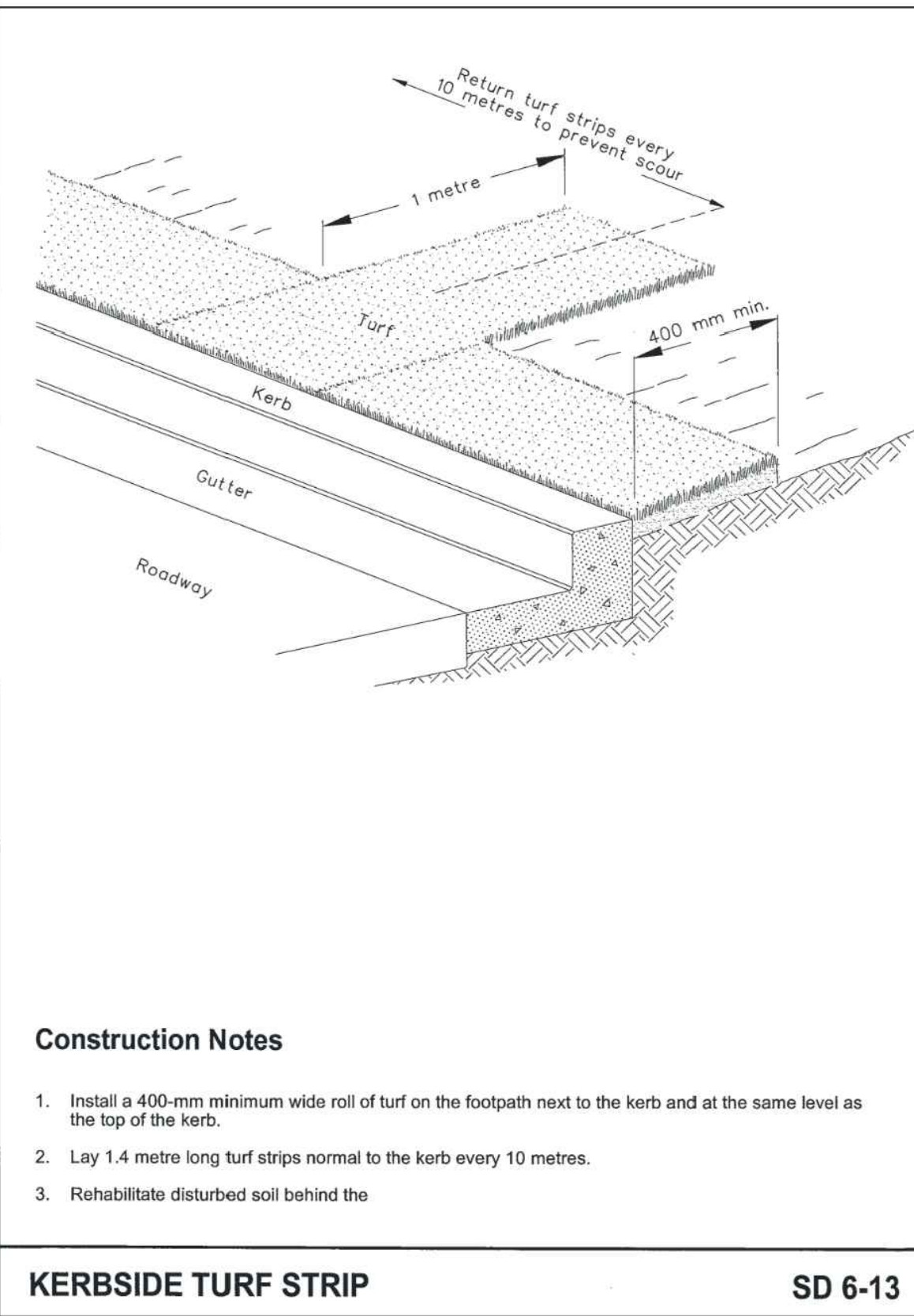
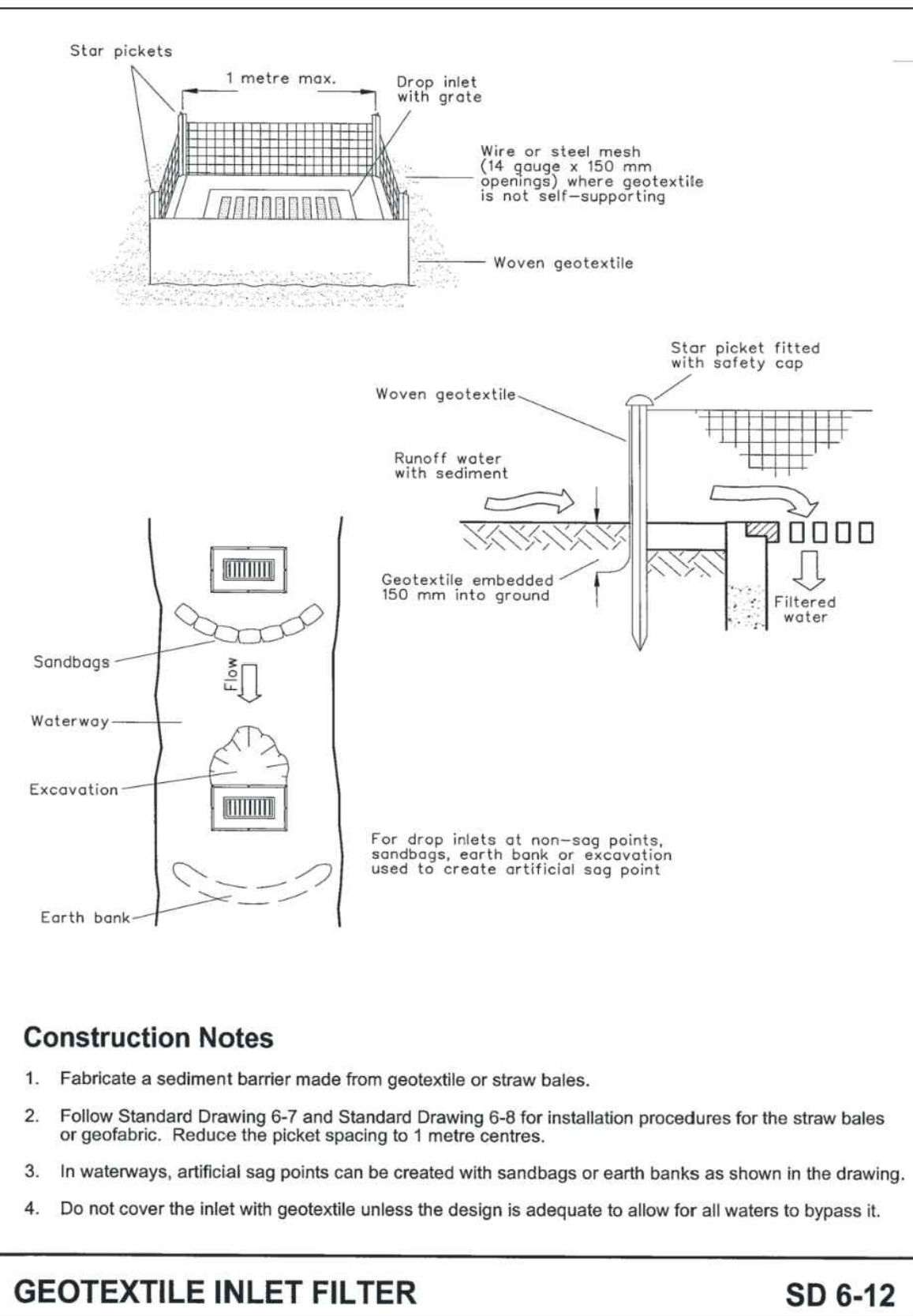
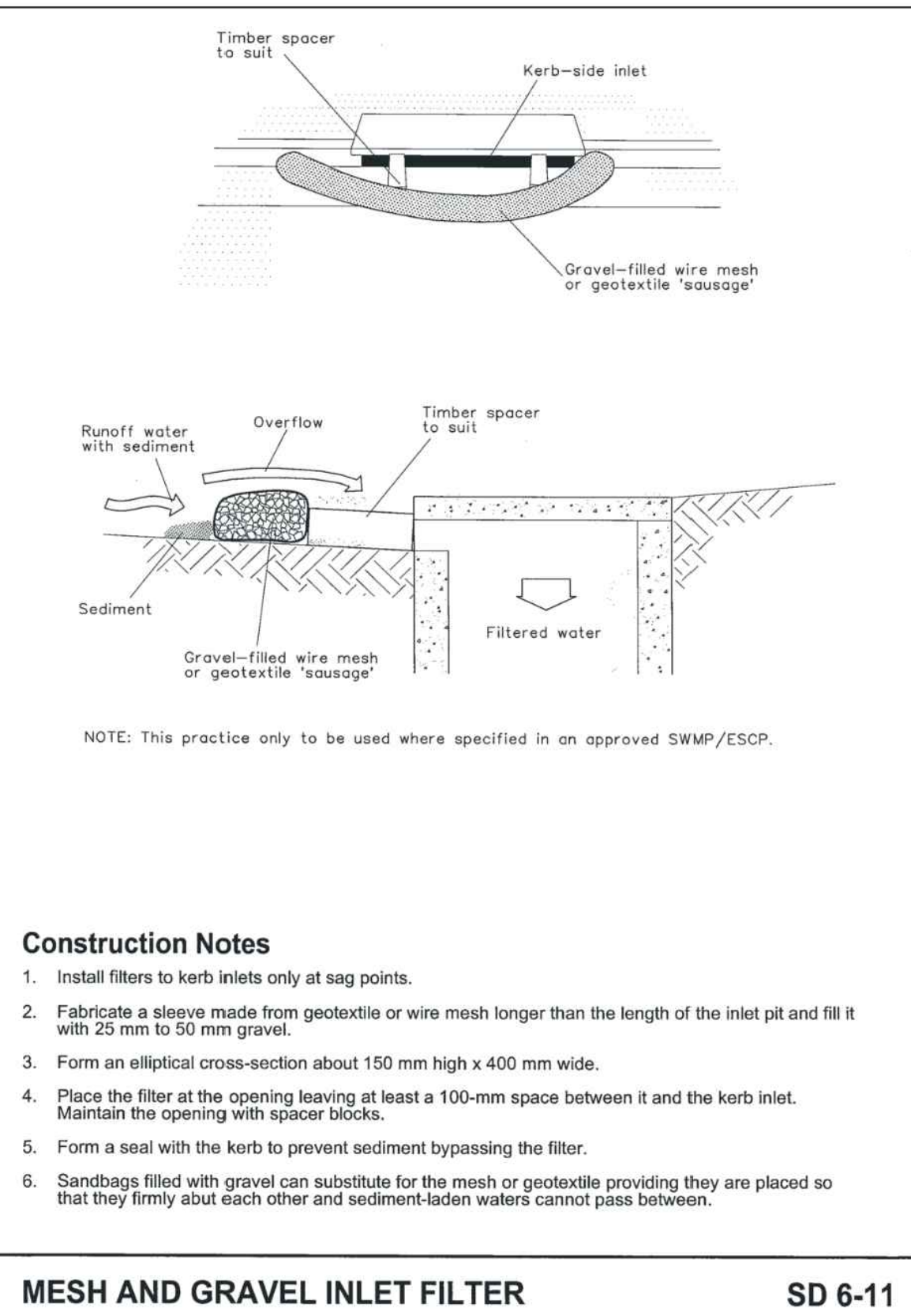
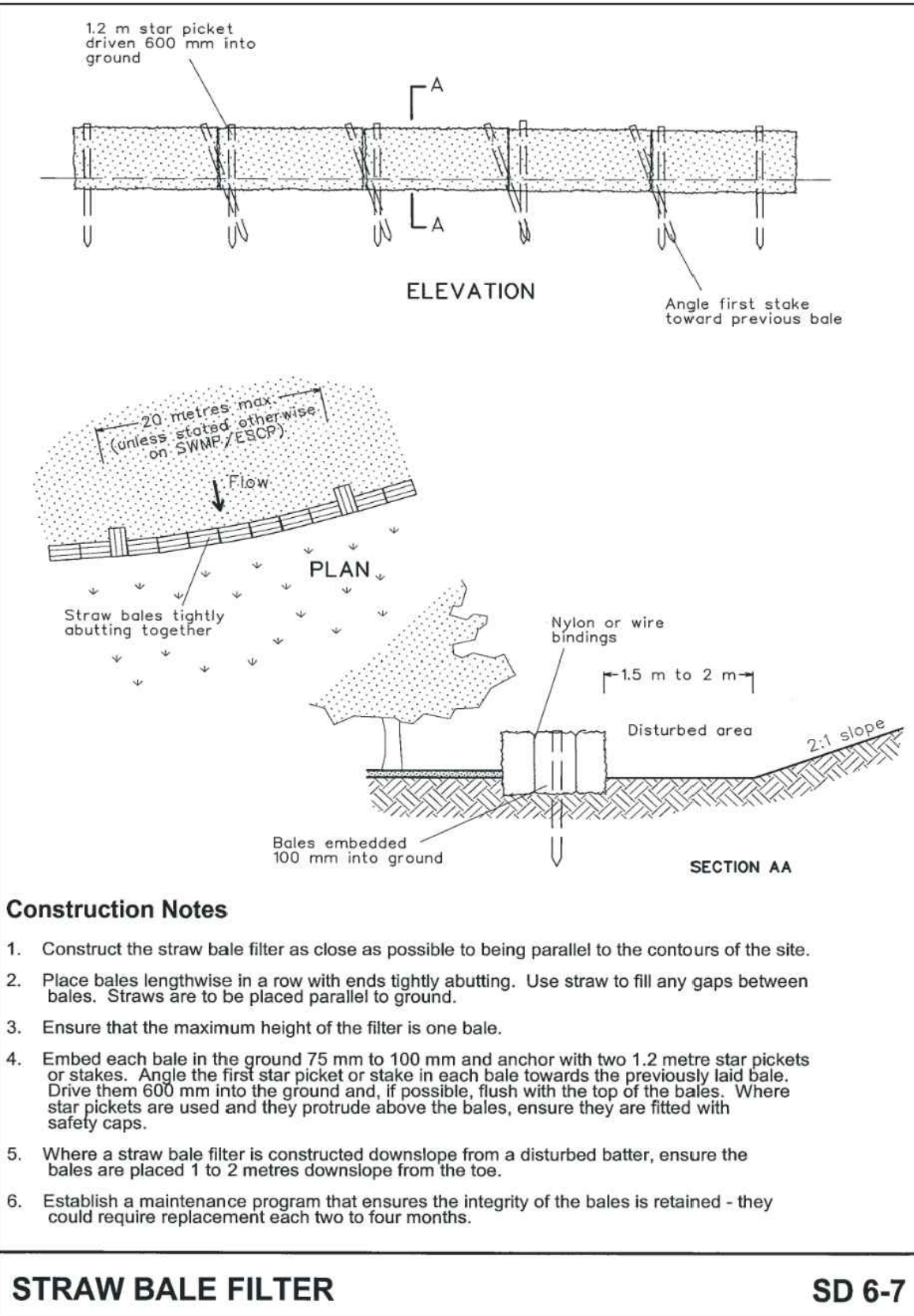
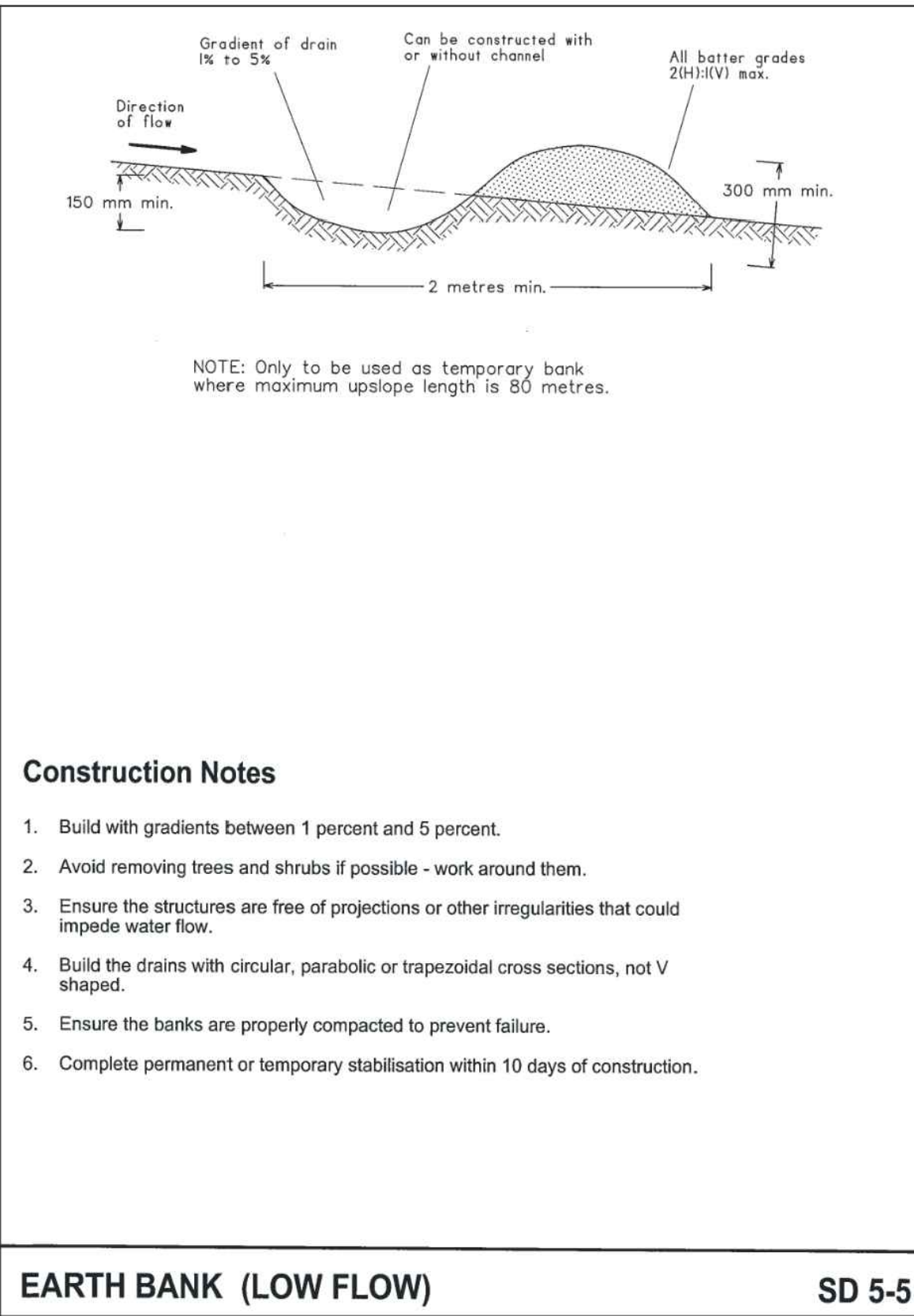
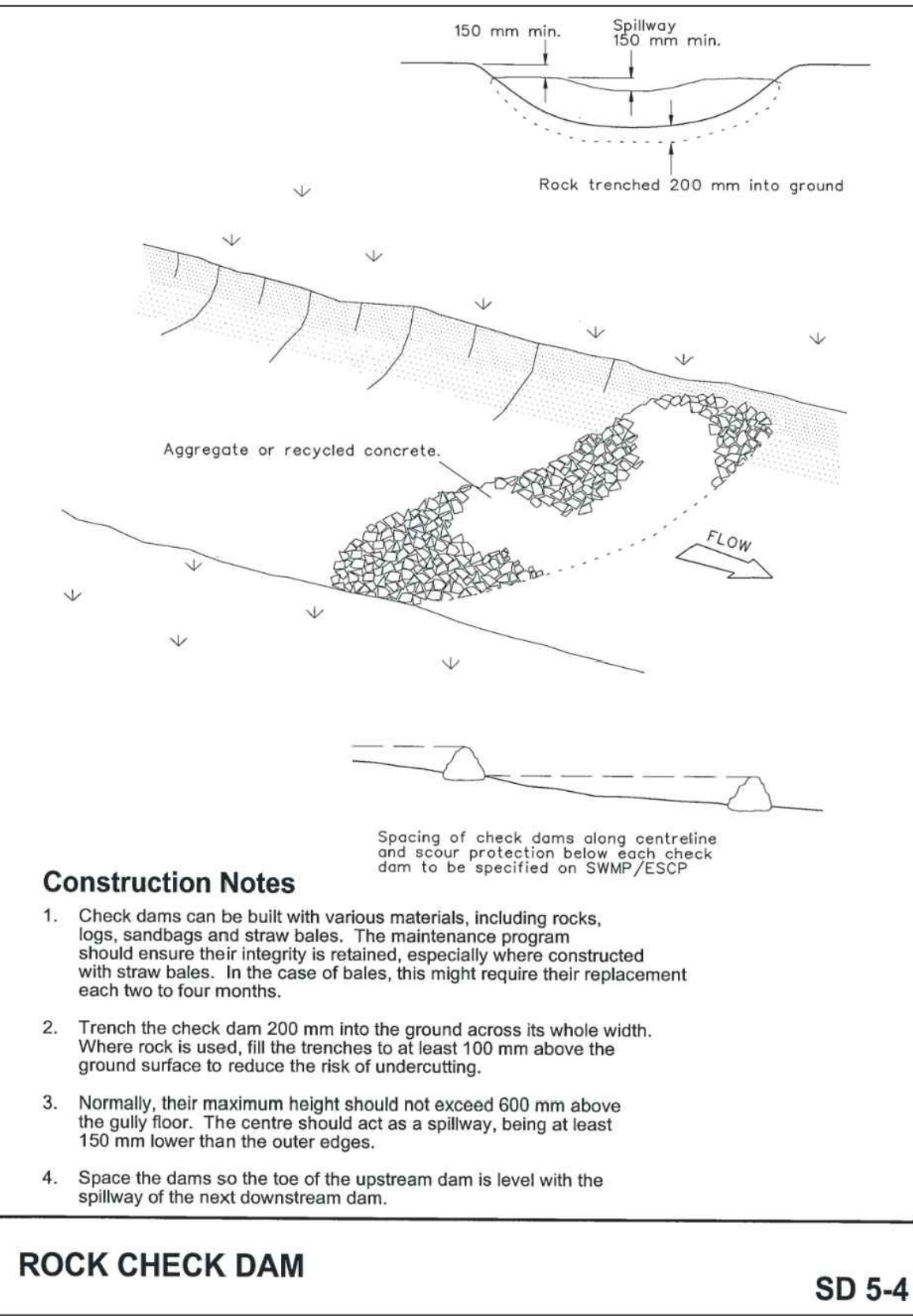
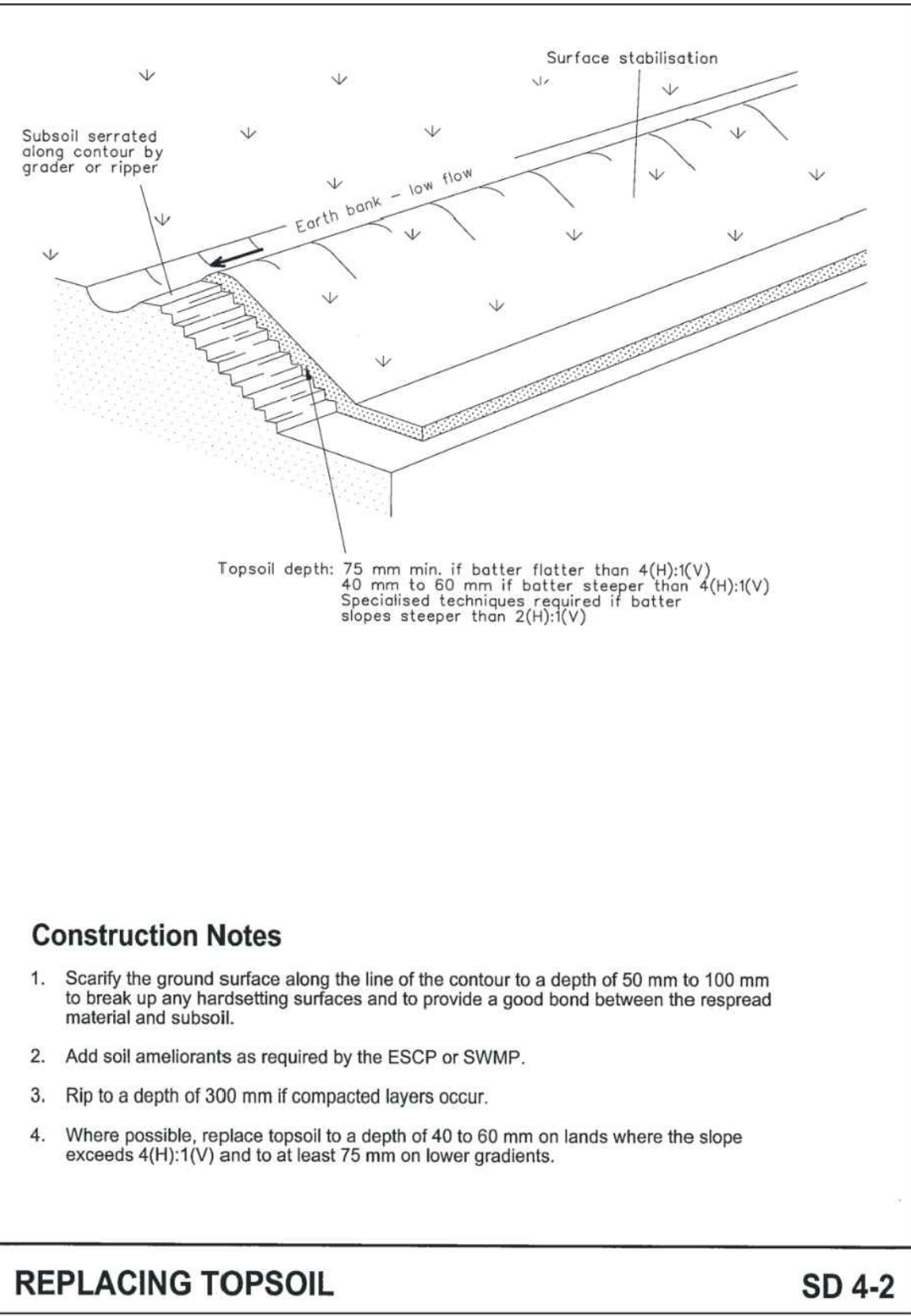
EROSION AND SEDIMENTATION
CONTROL DETAILS

DRAWING STATUS

DA APPROVAL

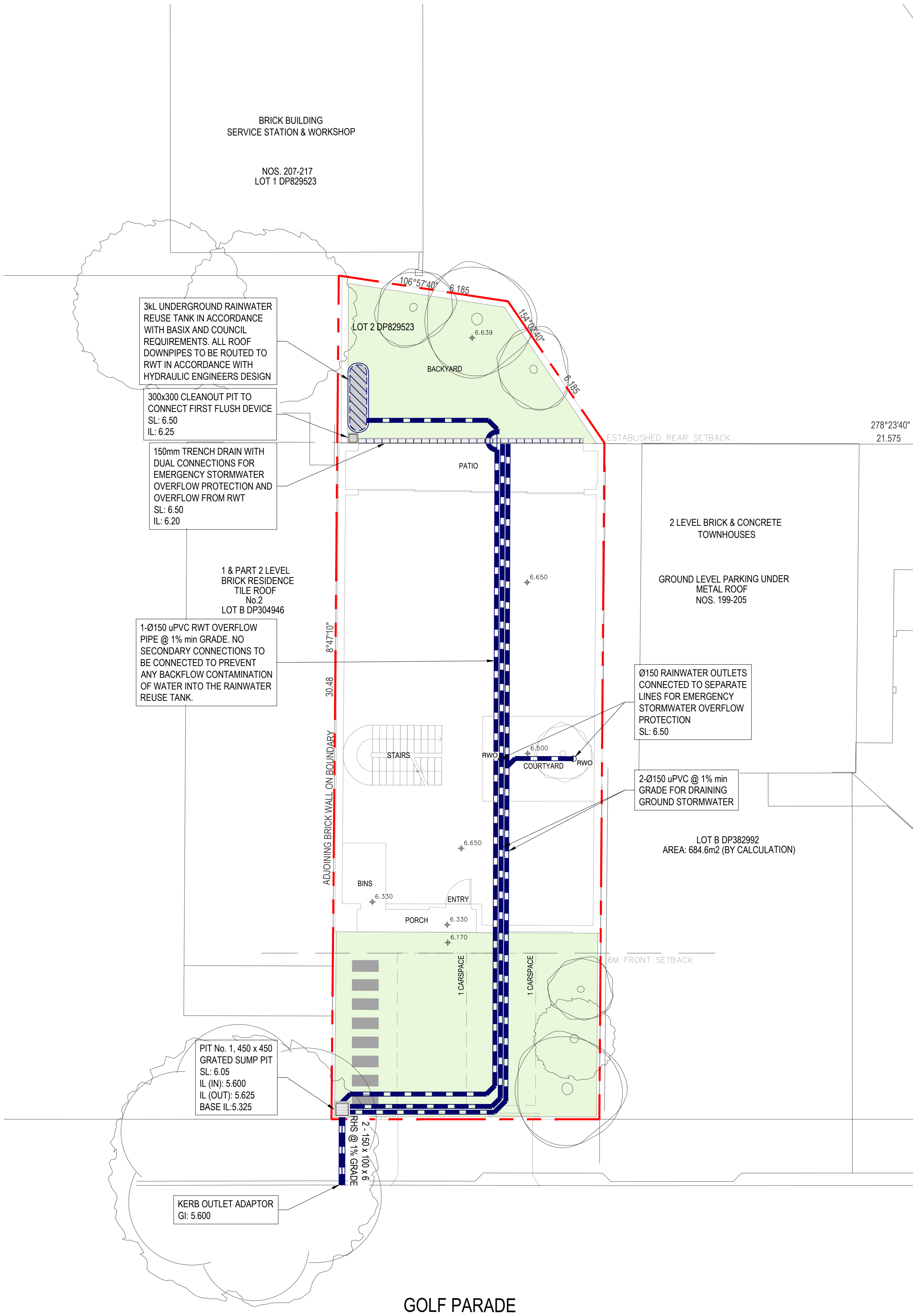
NOT TO BE USED FOR CONSTRUCTION

SCALE:					ORIG. SIZE	
N.T.S.					A1	
DRAWN	DESIGNED	CHECKED	APPROVED	ENDORSED	DATE	
JC	KB	IM	KB	--	25.10.22	
PROJECT No.			DRAWING No.			REV
22257			C03.02			A



GENERAL NOTES

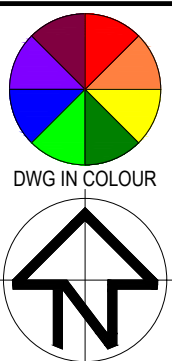
1. THE PROPOSED RAINWATER TANK SHAPE/SIZE IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE WITH THE FINAL DESIGN. THE GENERAL LOCATION OF THE RAINWATER TANK SHALL BE MAINTAINED WITH THE OVERFLOW OUTLET TO A MINIMUM INVERT LEVEL OF 6.25 AHD WITH AN INDEPENDENT OUTLET PIPE TO PREVENT STORMWATER BACKFLOW INTO REUSE TANK.
2. IN ACCORDANCE WITH COUNCIL'S WATER MANAGEMENT FOR DEVELOPMENT POLICY, AN ASSESSMENT OF THE ONSITE DETENTION GUIDELINES HAS BEEN UNDERTAKEN USING APPENDIX 16. BASED ON THE LOCATION OF THE SITE, REGION 3, ZONE 1, AND THE REDUCTION OF IMPERVIOUS AREA FROM 100% TO 60%, OSD IS NOT REQUIRED.



SCALE METRES 1:100 @ A1

AutoCAD Civil 3D 2021

© COPYRIGHT: THIS DOCUMENT AND DESIGN REMAIN THE COPYRIGHT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE CONSENT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF INDICATING THE DIAGRAMMATIC DESIGN INTENT AND SCOPE OF WORKS REQUIRED FOR THE INSTALLATION OF SERVICES AS DETAILED, AND PERTAINED WITHIN THE SPECIFICATION AND SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATION, ASSOCIATED SPECIFICATION, CODES AND STANDARDS. ALL DIMENSIONS, LEVELS AND EXISTING SERVICES SHALL BE INVESTIGATED AND CONFIRMED ON SITE BY THE SUBCONTRACTOR AND BUILDER PRIOR TO THE COMMENCEMENT OF ANY WORKS.



THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS ENDORSED

REV	DESCRIPTION	DATE	APPVD	ENDOD
B	DA ISSUE	25.10.22	K.B.	-
A	FOR COORDINATION REVIEW	06.10.22	K.B.	-

ARCHITECT:

CHROFI

CLIENT:

CHROFI

3/1A THE CORSO, MANLY NSW 2095

INFO@CHROFI.COM

(02) 8096 8500



WALLACE INFRASTRUCTURE DESIGN PTY LTD

PART OF WALLACE DESIGN GROUP PTY LTD
ABN: 96 154 694 952

PO BOX 850, WARNERS BAY, NSW 2282
phone: (02) 49 294 109
email: info@wdsigroup.com.au
web: www.wdsigroup.com.au

PROJECT:

CIVIL WORKS for

LOT 2, DP 829523

2A GOLF PARADE

MANLY, NSW, 2095

DRAWING TITLE:

CIVIL SERVICES

CIVIL WORKS AND STORMWATER DRAINAGE PLAN

DRAWING STATUS

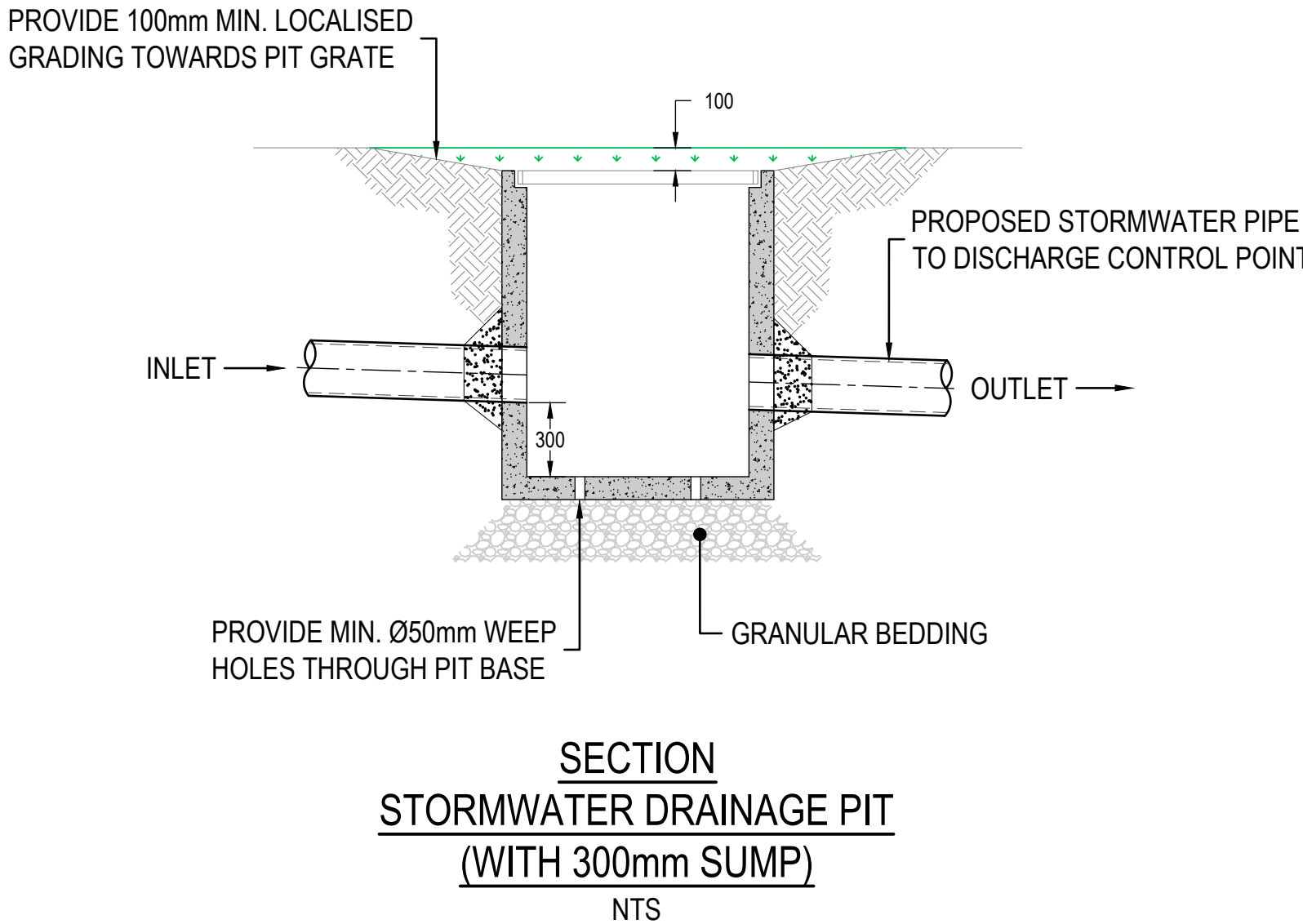
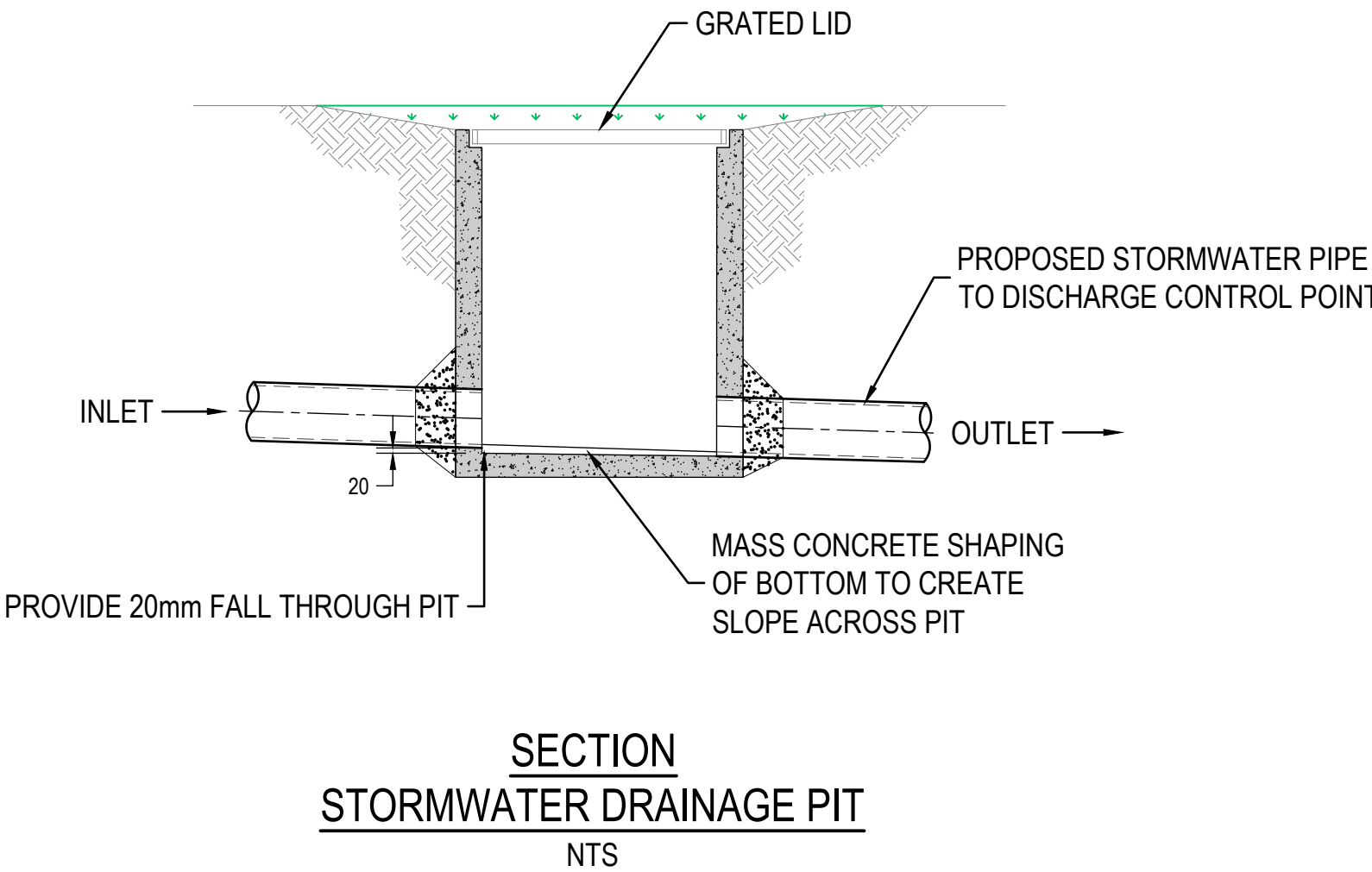
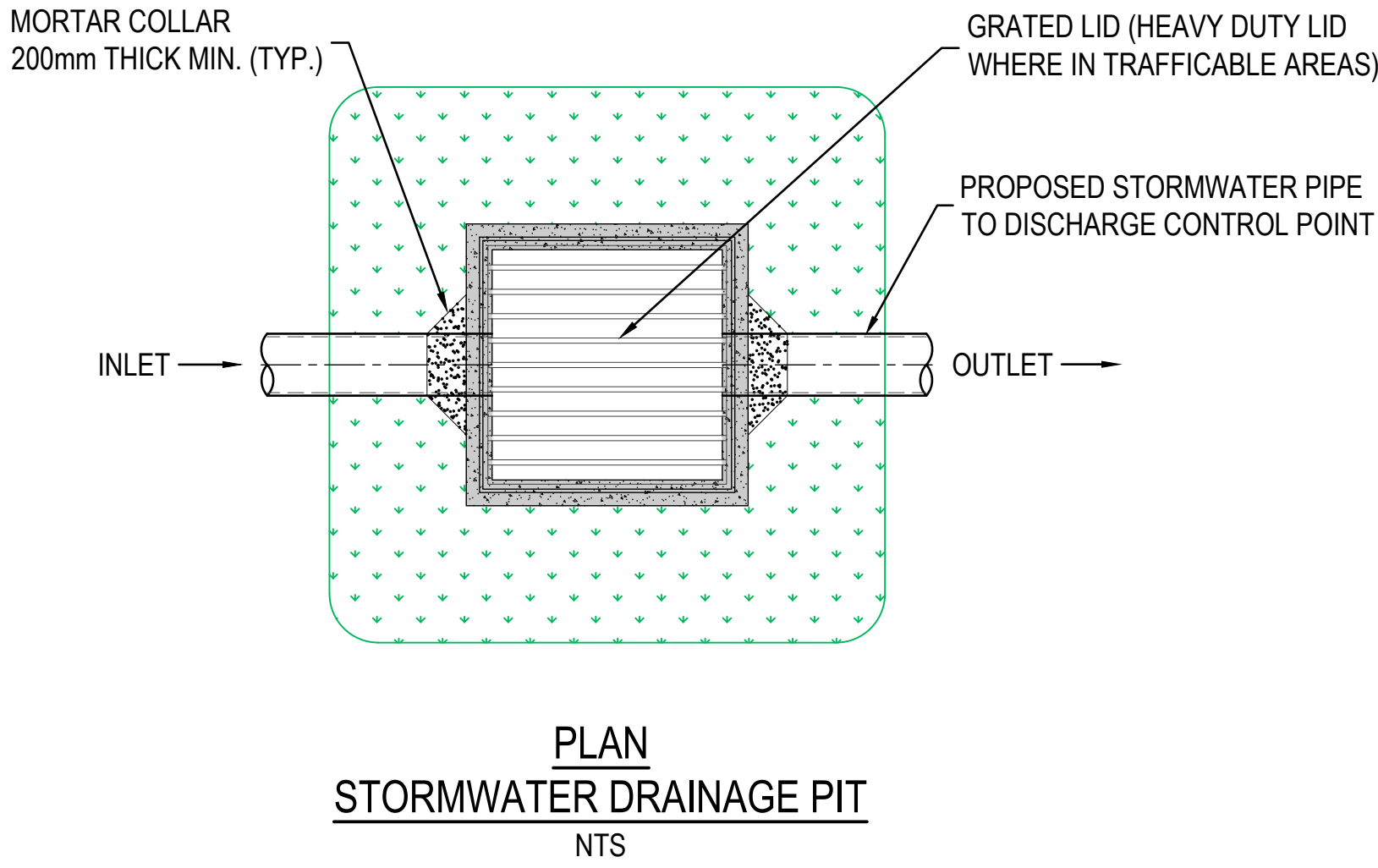
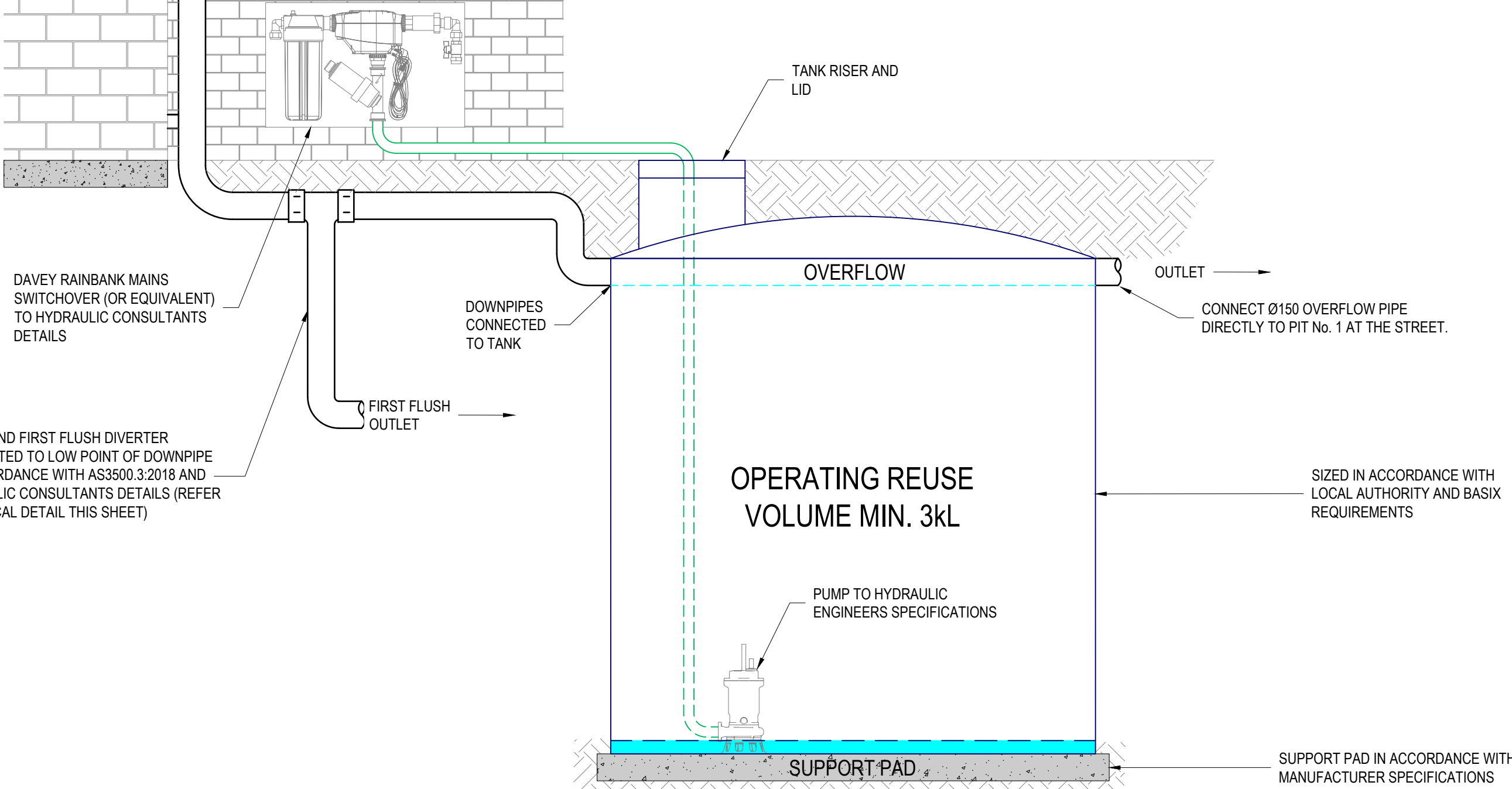
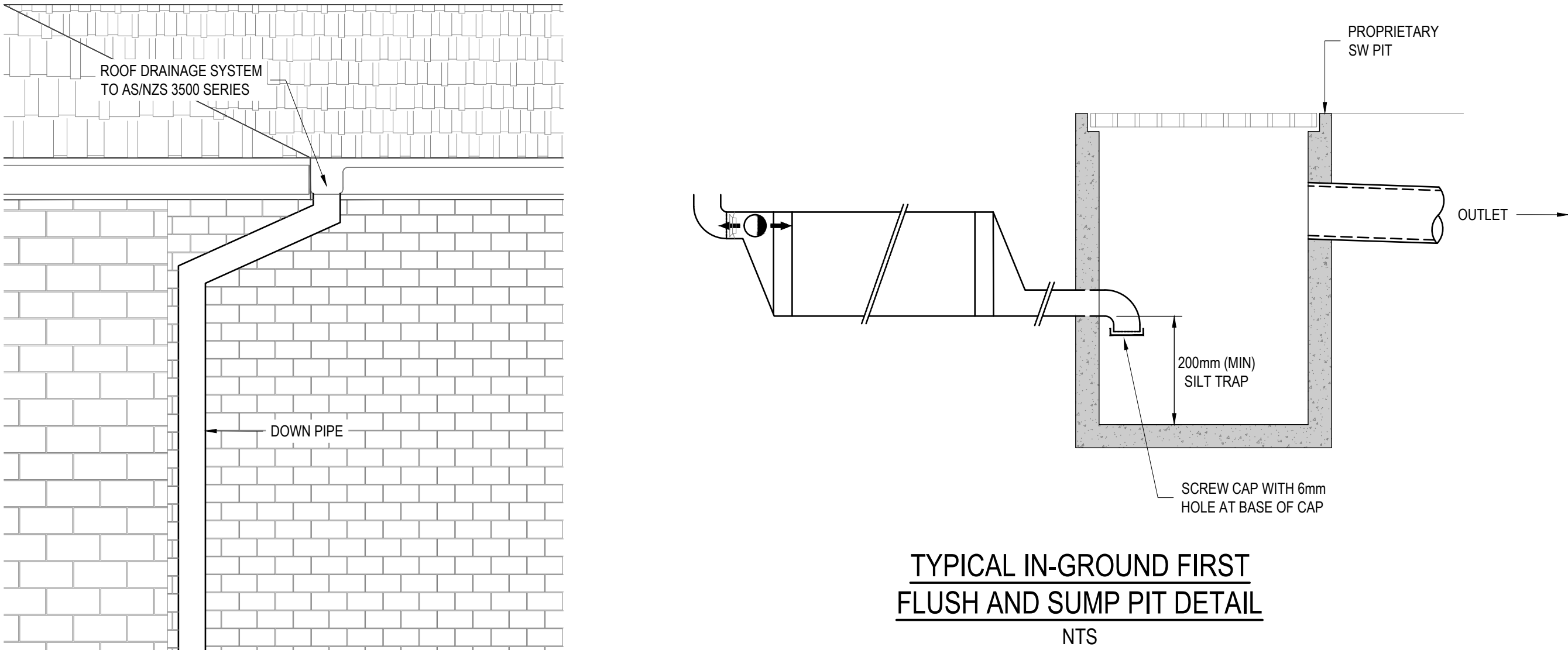
DA APPROVAL

NOT TO BE USED FOR CONSTRUCTION

SCALE:		1:100		ORIG. SIZE		A1
DRAWN	DESIGNED	CHECKED	APPROVED	ENDORSED	DATE	
JC	KB	IM	KB	--	25.10.22	
PROJECT No.		DRAWING No.		REV		
22257		C04.01		A		

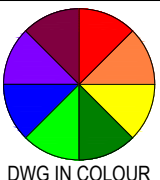
GENERAL RAINWATER TANK NOTES:

1.
- THE PROPOSED RESIDENCE IS TO BE CONNECTED TO THE SPECIFIED UNDERGROUND RAINWATER REUSE/STORAGE TANK AS NOTED ON THE STORMWATER DRAINAGE PLAN (REFER TO C04.02).
2.
- DAVEY RAINBANK MAINS SWITCHOVER (OR EQUIVALENT) AND RAINWATER TANK TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
3.
- VOLUMES SHOWN FOR REUSE ARE PROVIDED TO COMPLY WITH BASIX AND/OR COUNCIL GUIDELINES AND DO NOT INCLUDE THE PERMANENT VOLUME REQUIRED FOR OPERATION OF THE PUMP.



AutoCAD Civil 3D 2021

© COPYRIGHT: THIS DOCUMENT AND DESIGN REMAIN THE COPYRIGHT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE CONSENT OF WALLACE INFRASTRUCTURE DESIGN PTY LTD. THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF INDICATING THE DIAGRAMMATIC DESIGN INTENT AND SCOPE OF WORKS REQUIRED FOR THE INSTALLATION OF SERVICES AS DETAILED, AND PERTAINED WITHIN THE SPECIFICATION AND SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SPECIFICATION, ASSOCIATED SPECIFICATION, CODES AND STANDARDS. ALL DIMENSIONS, LEVELS AND EXISTING SERVICES SHALL BE INVESTIGATED AND CONFIRMED ON SITE BY THE SUBCONTRACTOR AND BUILDER PRIOR TO THE COMMENCEMENT OF ANY WORKS.



THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS ENDORSED					
REV	DESCRIPTION	DATE	APPVD	ENDOD	
B	DA ISSUE	25.10.22	K.B.	-	
A	FOR COORDINATION REVIEW	06.10.22	K.B.	-	

CHROFI

CLIENT:

CHROFI

3/1A THE CORSO, MANLY NSW 2095

INFO@CHROFI.COM

(02) 8096 8500



WALLACE INFRASTRUCTURE DESIGN PTY LTD

PART OF WALLACE DESIGN GROUP PTY LTD

ABN: 96 154 694 952

PO BOX 850, WARNERS BAY, NSW 2282

phone: (02) 49 294 109

email: info@wdsdesigngroup.com.au

web: www.wdsdesigngroup.com.au

PROJECT:

CIVIL WORKS for

LOT 2, DP 829523

2A GOLF PARADE

MANLY, NSW, 2095

DRAWING TITLE:

CIVIL SERVICES

TYPICAL SECTIONS AND DETAILS

DRAWING STATUS

DA APPROVAL

NOT TO BE USED FOR CONSTRUCTION

SCALE:

N.T.S.

ORIG. SIZE

A1

DRAWN

DESIGNED

CHECKED

APPROVED

ENDORSED

DATE

JC

KB

IM

KB

--

25.10.22

PROJECT No.

22257

DRAWING No.

C05.01

REV

A