CSR HORSLEY PARK - STAGE 3 SUBDIVISION DESIGN

811 DRAINAGE PLAN - SHEET 01 OF 04 812 DRAINAGE PLAN - SHEET 02 OF 04 813 DRAINAGE PLAN - SHEET 03 OF 04

814 DRAINAGE PLAN - SHEET 04 OF 04

831 DRAINAGE CALCULATIONS

901 STANDARD STRUCTURAL PITS

911 RETAINING WALL PLAN SHEET 01 OF 03

912 RETAINING WALL PLAN SHEET 02 OF 03 913 RETAINING WALL PLAN SHEET 03 OF 03

930 RETAINING WALL NOTES & DETAILS

SERVICES PLANS

STRUCTURAL DETAILS

821 DRAINAGE LONGITUDINAL SECTIONS - SHEET 01 OF 04

822 DRAINAGE LONGITUDINAL SECTIONS - SHEET 02 OF 04

823 DRAINAGE LONGITUDINAL SECTIONS - SHEET 03 OF 04

824 DRAINAGE LONGITUDINAL SECTIONS - SHEET 04 OF 04 825 SWALE No. 01 & No. 02 LONGITUDINAL SECTIONS

902 STRUCTURAL PIT DETAIL - TYPICAL DEEP PIT & SWALE RIF

921 RETAINING WALL LONGITUDINAL SECTIONS - SHEET 01 OF 06

922 RETAINING WALL LONGITUDINAL SECTIONS - SHEET 02 OF 06

923 RETAINING WALL LONGITUDINAL SECTIONS - SHEET 03 OF 06

\$24 RETAINING WALL LONGITUDINAL SECTIONS - SHEET 04 OF 06

925 RETAINING WALL LONGITUDINAL SECTIONS - SHEET 05 OF 06

926 RETAINING WALL LONGITUDINAL SECTIONS - SHEET 06 OF 06

826 SWALE No. 03 & No. 04 LONGITUDINAL SECTIONS 827 SWALE No. 05 LONGITUDINAL SECTIONS 828 SWALE No. 06 & No. 07 LONGITUDINAL SECTIONS

STAGE 3A CONSTRUCTION

ISSUED FOR CONSTRUCTION CERTIFICATE



DRAWING LIST

Registered Surveyor No. 1677

Date: 13/06/2023

001 GENERAL NOTES & LEGEND

002 GENERAL ARRANGEMENT PLAN

003 SHEET LAYOUT PLAN

004 AGREED RMS FUTURE INTERSECTION (SOUTHERN LINK ROAD)

SEDIMENT & EROSION CONTROL

102 SOIL & WATER MANAGEMENT NOTES & DETAILS

WORK AS EXECUTED SURVEY BY:

202 SÍTE RĚGRADING PLAN - SHEET 02 OF 04 203 SITE REGRADING PLAN - SHEET 03 OF 04

204 SITE REGRADING PLAN - SHEET 04 OF 04

211 SITE REGRADING SECTIONS - SHEET 01 OF 04

212 SITE REGRADING SECTIONS - SHEET 02 OF 04

213 SITE REGRADING SECTIONS - SHEET 03 OF 04

214 SITE REGRADING SECTIONS - SHEET 04 OF 04

302 ENGINEERING PLAN - SHEET 02 OF 04

303 ENGINEERING PLAN - SHEET 03 OF 04 304 ENGINEERING PLAN - SHEET 04 OF 04

ROAD LONGITUDINAL SECTIONS

401 JOHNSTON CRESCENT LONGITUDINAL & TYPICAL CROSS

501 JOHNSTON CRESCENT CROSS SECTIONS - SHEET 01 OF 03

502 JOHNSTON CRESCENT CROSS SECTIONS - SHEET 02 OF 03 503 JOHNSTON CRESCENT CROSS SECTIONS - SHEET 03 OF 03

MISCELLANEOUS ROADWORKS PLANS

704 PAVEMENT PLAN

705 PAVEMENT JOINTING DETAILS

CLIENT:

LGA FAIRFIELD COUNCIL

DA 893.1/2013 LOT 2, DP 1228114





Fairfield City Council

This document forms part of a Subdivision Works Certificate. No. 893.12/2013 Dated. 18 March 2022

CSR HORSLEY PARK - STAGE 3

SUBDIVISION DESIGN

15-001115.17 3 08/02/2022

GENERAL

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH FAIRFIELD COUNCIL'S ENGINEERING DESIGN AND ENGINEERING CONSTRUCTION POLICY No. 4-515, "SPECIFICATIONS FOR ROADWORKS AND DRAINAGE ASSOCIATED WITH SUBDIVISION OR OTHER DEVELOPMENT" AND TO THE REQUIREMENTS OF THE CERTIFYING AUTHORITY.
- INSPECTIONS BY CERTIFYING AUTHORITY ARE REQUIRED AT THE FOLLOWING STAGES AND THE WORKS APPROVED PRIOR TO CONTINUANCE OF ANY FUTURE WORK:
 - (A) FOLLOWING INSTALLATION OF EROSION AND SEDIMENT CONTROL STRUCTURES/MEASURES.
 - (B) PRIOR TO BACKFILLING PIPELINES, SUBSOIL DRAINS AND DAMS.
 - (C) PRIOR TO CASTING OF PITS AND OTHER CONCRETE STRUCTURES. INCLUDING KERB AND GUTTER BUT FOLLOWING PLACEMENT OF FOOTINGS, FORMWORK, AND REINFORCEMENT
 - (D) PRIOR TO PLACEMENT OF SUB BASE AND ALL SUBSEQUENT PAVEMENT LAYERS, A PROOF ROLLER TEST OF EACH PAVEMENT LAYER IS REQUIRED.
 - (E) FORMWORKS PRIOR TO POURING CONCRETE IN PARKING AREA FOR FOOTPATH CROSSING AND OTHER ASSOCIATED WORK.
 - (F) PRIOR TO BACKFILLING PUBLIC UTILITY CROSSINGS IN ROAD RESERVES.
 - (G) FINAL INSPECTIONS AFTER ALL WORKS ARE COMPLETED AND 'WORKS AS EXECUTED' PLANS HAVE
 - (H) ADDITIONAL INSPECTION MAY BE REQUIRED BY PRINCIPAL CERTIFIER (COUNCIL). CONFIRM STAGE INSPECTIONS WITH PC PRIOR TO COMMENCEMENT OF WORKS.
- NO TREES SHALL BE PRUNED OR REMOVED WITHOUT PRIOR WRITTEN CONSENT IN THE FORM OF A TREE PRESERVATION ORDER FROM FAIRFIELD CITY COUNCIL.
- MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
- NO WORK IS TO BE CARRIED OUT ON COUNCIL PROPERTY OR ADJOINING PROPERTIES WITHOUT THE WRITTEN PERMISSION FROM THE OWNER/S.
- VEHICULAR ACCESS AND ALL UTILITIES/SERVICES ARE TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION.
- ALL RUBBISH, BUILDINGS, SHEDS AND FENCES TO BE REMOVED TO SATISFACTION OF COUNCIL'S ENGINEER.
- COUNCIL ENGINEERS HAVE DISCRETION TO VARY, AS CONSIDERED NECESSARY, THE ENGINEERING REQUIREMENTS IN RESPECT OF A PARTICULAR SUBDIVISION OR DEVELOPMENT HAVING REGARD TO THE SITE
- WHERE CONSTRUCTION WORKS ARE OBSTRUCTED BY EXISTING BUILDINGS AND/OR FACILITIES. DEMOLITION OF EXISTING STRUCTURES ARE TO BE IN ACCORDANCE TO DA 357.1/2019.

EARTHWORKS

LF BY EF EF 20/03/20

BH 09/10/20:

- EARTHWORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL, UNSUITABLE MATERIALS ARE TO BE REMOVED FROM ROADS AND LOTS PRIOR TO FILLING. THE CONTRACTOR IS TO ARRANGE AND MAKE AVAILABLE COMPACTION TESTING RESULTS FOR ALL AREAS THAT CONTAIN FILL IN EXCESS OF 200 MM
- COMPACTION OF EARTHWORKS SHALL CONTINUE UNTIL A DRY DENSITY RATIO OF 95% FOR SITE FILLING AND 100% FOR ROAD PAVEMENT SUBGRADES HAS BEEN ACHIEVED IN ACCORDANCE WITH TEST METHOD AS1289.5.3.1 OR AS.1289.5.1.1. THE CONTROL TESTING OF EARTHWORKS SHALL BE IN ACCORDANCE WITH THE GUIDELINES IN AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'. WHERE IT IS PROPOSED TO USE TEST METHOD AS1289.5.8.1 TO DETERMINE THE FIELD DENSITY, A SAND REPLACEMENT METHOD SHALL BE USED TO CONFIRM THE RESULTS.
- THE SUITABLE QUALIFIED GEOTECHNICAL ENGINEER, SHALL HAVE A LEVEL 1 RESPONSIBILITY FOR ALL FILLING AS DEFINED IN APPENDIX B AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIA DEVELOPMENTS', AND AT THE END OF THE WORKS SHALL CONFIRM THE EARTHWORKS COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND DRAWINGS BY WRITTEN NOTIFICATION.
- IN AREAS TO BE FILLED WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS 1(V):4(H), BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE PLACED FILL MATERIAL AS REQUIRED BY THE COUNCIL
- ALL BATTERS ARE TO BE SCARIFIED TO A DEPTH OF 50 MM TO ASSIST WITH ADHESION OF TOP SOIL TO BATTER
- PROVIDE MINIMUM 100 MM AND MAXIMUM 300 MM COMPACTED THICKNESS OF APPROVED TOPSOIL SHALL BE PLACED OVER THE BALANCE AREA OF ALL FOOTPATHS AND CYCLE WAYS, FILLED AREAS AND ALL OTHER AREAS DISTURBED DURING CONSTRUCTION TOPSOILED AREAS TO BE STABILISED WITH APPROVED VEGETATION A MAXIMUM OF 14 DAYS AFTER TOPSOILING AND ARE TO BE WATERED TO ENSURE GERMINATION.
- THE CONTRACTOR SHALL CONTROL SEDIMENTATION, EROSION AND POLLUTION DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION' PRODUCED BY LANDCOM.
- AS PER DETAL SD 6-13 ON DWG No.103, A CONTINUOUS STRIP OF COUCH GRASS SHALL BE PLACED BEHIND THE BACK OF ALL KERBS AND OTHER CONCRETE STRUCTURES IMMEDIATELY AFTER THE COMPLETION OF THE FOOTPATH GRADING OR OTHER ELEMENTS AS APPLICABLE, AND SHALL BE MAINTAINED AND REPLACED AS REQUIRED DURING THE CONSTRUCTION MAINTENANCE PERIOD.
- ANY LOT FILLING OPERATIONS CARRIED OUT IN ACCORDANCE WITH THIS CONSENT SHALL BE TESTED TO ESTABLISH THE FIELD DRY DENSITY EVERY 300mm RISE IN VERTICAL HEIGHT. THE MINIMUM COMPACTION REQUIREMENT IN 95% STANDARD COMPACTION. TEST SITES SHALL BE LOCATED RANDOMLY ACROSS THE FILL SITE WITH 1 TEST PER 500m² (MINIMUM 1 TEST PER 300mm LAYER_ A REPORT FROM A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER SHALL BE SUBMITTED IN THIS REGARD

AMENDMENT DETAILS

CALIBRE CONSULTING GENERAL

- CG1. SURVEY SOURCED FROM: -SURVEYOR: CALIBRE CONSULTING -D.T.M.: HORSLEY PARK BRICK PLANT - MGA Z56, SURVEY DATED 05 JUNE 2013 -BOUNDARY: X13044.SP1 DATED 03 APRIL 2013
- CG2. CONTRACTOR IS TO ENSURE THAT ALL WORKS ASSOCIATED WITH PROPERTY BOUNDARIES ARE TO BE SET OUT OR

ROADWORKS

- R1. SUBGRADES AND SUB BASES ARE TO BE COMPACTED IN ACCORDANCE WITH COUNCIL'S CONSTRUCTION SPECIFICATION.
- SUBSOIL DRAINS TO BE PROVIDED ON BOTH SIDES OF ROADS (EXCEPT WHERE THERE IS STORMWATER DRAINAGE).
- LIPLESS PERAMBULATOR CROSSINGS ARE TO BE PROVIDED IN ALL KERB RETURNS AND WHERE REQUIRED BY R3.
- SERVICE CONDUITS TO BE PLACED AS DIRECTED BY ALL PUBLIC UTILITY AUTHORITIES INCLUDING ENDEAVOUR ENERGY, TELSTRA AND SYDNEY WATER.
- PROPOSED UTILITIES AND SERVICES CROSSING EXISTING ROADS SHALL BE PROVIDED FOR USING A TRENCHLESS TECHNIQUE SO AS NOT TO DAMAGE THE EXISTING SURFACE. ALL SERVICE CONDUITS UNDER ROADS MUST BE LAID TO A MINIMUM DEPTH OF 750 MM.
- CONCRETE FOOTPATH CONSTRUCTION IS TO BE BONDED WITH COUNCIL PENDING COMPLETION OF UTILITY/SERVICES.
- ALL TEMPORARY ROADS MUST BE TEMPORARILY SEALED WITH A SINGLE COAT FLUSH SEAL
- ALL PERMANENT ROADS MUST BE SEALED WITH A SINGLE COAT FLUSH SEAL AND 50 MM OF AC THE ASPHALTIC CONCRETE IS TO BE LAID WITH A 30mm THICK (AC14) LAYER FOLLOWED BY A 20mm THICK (AC10) LAYER. THE SECOND
- SIGNPOSTING AND LINE MARKING SHALL CONFORM TO AS1742.2 'TRAFFIC CONTROL DEVICES FOR GENERAL USE'. RAISED RETRO-REFLECTIVE PAVEMENT MARKERS TO CONFORM TO AS1906 'RETRO-REFLECTIVE USE'. RAISED RETRO-REFLECTIVE PAVEMENT MARKERS TO CONFORM TO AS1906 'RETRO-REFLECTIVE MATERIALS AND DEVICES FOR ROAD TRAFFIC CONTROL PURPOSES: ALL APRONS AND KERB FACE ON CENTRAL ISLANDS OF ROUNDABOUTS AND ALL OTHER ISLANDS TO BE DELINEATED BY REFLECTIVE WHITE MARKING, INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE PLAN APPROVED BY FAIRFIELD CITY COUNCIL IN CONJUNCTION WITH THE LOCAL TRAFFIC
- R10. STREET SIGNS TO COUNCIL STANDARD MUST BE INSTALLED BY THE CONTRACTOR.

STORMWATER

FOR

CONSTRUCTION CERTIFICATE

1 23/7/21

Y: ENRIQUE FRANCO SIGN: BE(Hons) MIEAust. CPEng NER

- ALL PIPES TO BE SPIGOT AND SOCKET, RUBBER RING JOINTED.
- ALL LONGITUDINAL PIPELINES IN ROADS MUST BE LOCATED UNDER KERB AND GUTTER AND BE BACKFILLED WITH APPROVED GRANULAR MATERIAL UNLESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER
- DRAINAGE LINES MUST BE BACKFILLED WITH APPROVED GRANULAR MATERIAL IN TRAFFICABLE AREAS. THREE (3) METRES OF SUBSOIL DRAINAGE WRAPPED IN GEOTEXTILE STOCKING MUST BE PROVIDED TO ALL
- GULLY PITS TO COUNCIL'S STANDARD AND LINTELS CENTRALLY PLACED AT SAG PITS. DEEP PIT REFER TO STRUCTURAL DESIGN.
- ALL PITS MUST BE BENCHED AND STREAMLINED. PROVIDE GALVANISED STEP IRONS IN ALL PITS OVER 1.2-METRES DEEP AS MEASURED FROM THE TOP OF GRATE TO THE INVERT OF THE PIT.
- CONCRETE IS TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 32MPA AT 28-DAYS UNLESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER.
- ALL INTERALLOTMENT DRAINAGE MUST HAVE A MINIMUM PIPE DIAMETER OF 150 MM AND A MINIMUM GRADE OF 1% UNI ESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER
- ALL INTERALLOTMENT DRAINAGE LINES MUST BE LAID CENTRALLY WITHIN DRAINAGE EASEMENTS. INSPECTION PITS MUST BE PROVIDED AT ALL CHANGES OF GRADE AND DIRECTION.
- INTERALLOTMENT DRAINAGE LINES MUST BE INSTALLED AFTER SYDNEY WATER SEWERAGE LINES HAVE BEEN INSTALLED WHERE SEWER IS PROPOSED ADJACENT TO INTERALLOTMENT DRAINAGE LINES.
- S10. 1% AEP OVERLAND FLOW PATHS MUST BE FORMED AND SHOWN ON 'WORKS AS EXECUTED' DRAWINGS
- ALL PLANS (BOTH DESIGN AND WAE) ARE TO CLEARLY DELINEATE THE EXTENT/LOCATION OF FLOOD LINES INCLUDING THE 5% AEP, 1% AEP AND PMF
- ADEQUATE PROVISION IS TO BE MADE TO PREVENT SCOURING AND SEDIMENTATION FOR ALL DRAINAGE WORKS IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS
- \$13. CATCH DRAINS MUST BE CONSTRUCTED AS REQUIRED BY THE APPROVED PLANS OR THE PRINCIPAL CERTIFYING
- S15. SOIL AND WATER MANAGEMENT PLANS ARE TO BE PREPARED FOR ALL DISTURBED SITES AND ADHERED TO AT ALL TIMES DURING THE CONSTRUCTION AND MAINTENANCE PERIODS

Fairfield City Council

This document forms part of a Subdivision Works Certificate. No. 893.12/2013 Dated. 18 March 2022





CSR HORSLEY PARK

GENERAL NOTES & LEGEND

LEGEND

(3/10)

K&G

KO

EOB

O 0 M

D-LOTNO

EXISTING

(3/10)

EXIST. K&G

EXIST. RK

EXIST. KO

EXIST. ES

EXIST. MK

EXIST. DC

EXIST, VC

EXIST. EOB

E-LOTNO

FUTURE

FUT. K&G

FUT. RK

FUT. KO

FUT. ES

FUT. MK

FUT. DC

FUT. VC

FUT. EOB

F-LOTNO

5

DESCRIPTION

STORMWATER DRAINAGE PITS

STORMWATER PIPELINE

DRAINAGE LINE No. 3

DRAINAGE PIT No. 10

CONCRETE HEADWALL

150mm KERB AND GUTTER

ROLL KERB AND GUTTER

SUBSOIL DRAIN

KERB ONLY

EDGE STRIF

MOUNTABLE KERB

DISH CROSSING

VEHICULAR CROSSING

PEDESTRIAN RAMP

EDGE OF BITUMEN

ROAD PAVEMENT

CONCRETE PATHWAY

SITE REGRADING AREA

COMMUNICATION LINES

TELSTRA, FIBRE OPTIC, NBN

OVER HEAD LINES AND POLES

TELECOM PIT. ACCESS CHAMBER.

HYDRANT, STOP VALVE, AIR VALVE

LIMIT OF ROAD CONSTRUCTION

TREES TO RETAIN WITHIN SITE

ROOF WATER OUTLET TO KERB

ROOF WATER OUTLET TO BACK

STAGE BOUNDARY

LOT NUMBERS

RETAINING WALL

ROCK WALL

POST AND RAIL FENCE

SEWER, GAS, WATER, ELECTRICITY, RECYCLED WATER

SERVICE LINES

BENCHMARK

BATTERS

CONTOURS

DIAL BEFORE

YOU DIG

www.1100.com.au

STAGE 3 SUBDIVISION DESIGN JUSICAMENT
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR
PRIOR TO CONSTRUCTION, USE WRITTEN DIMENSIONS ONLY, DO
NOT SCALE, NOT FOR CONSTRUCTION UNLESS STAMPED BY
CERTIFYING AUTHORITY 15-001115.17 001 CC

FairfieldCity

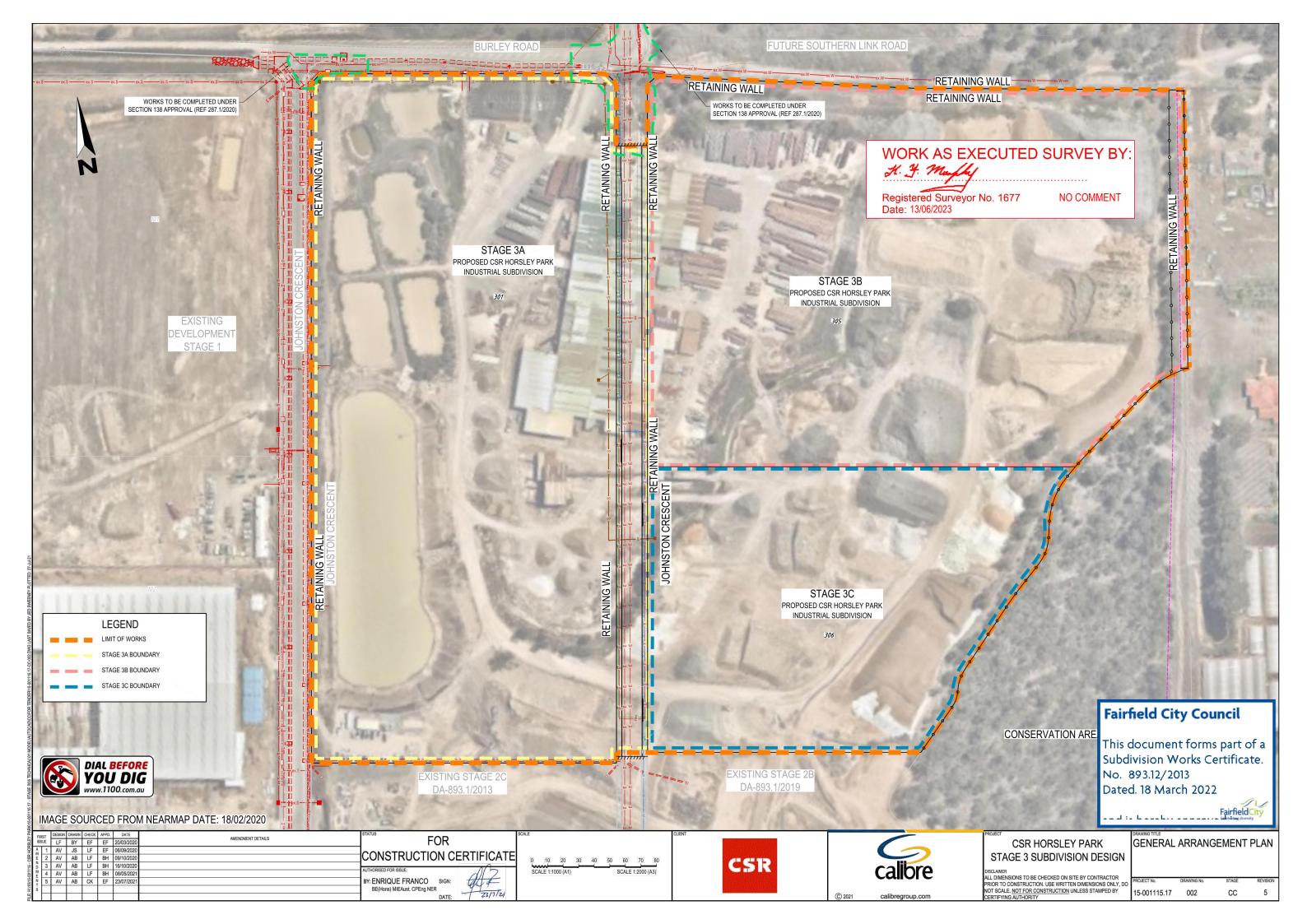
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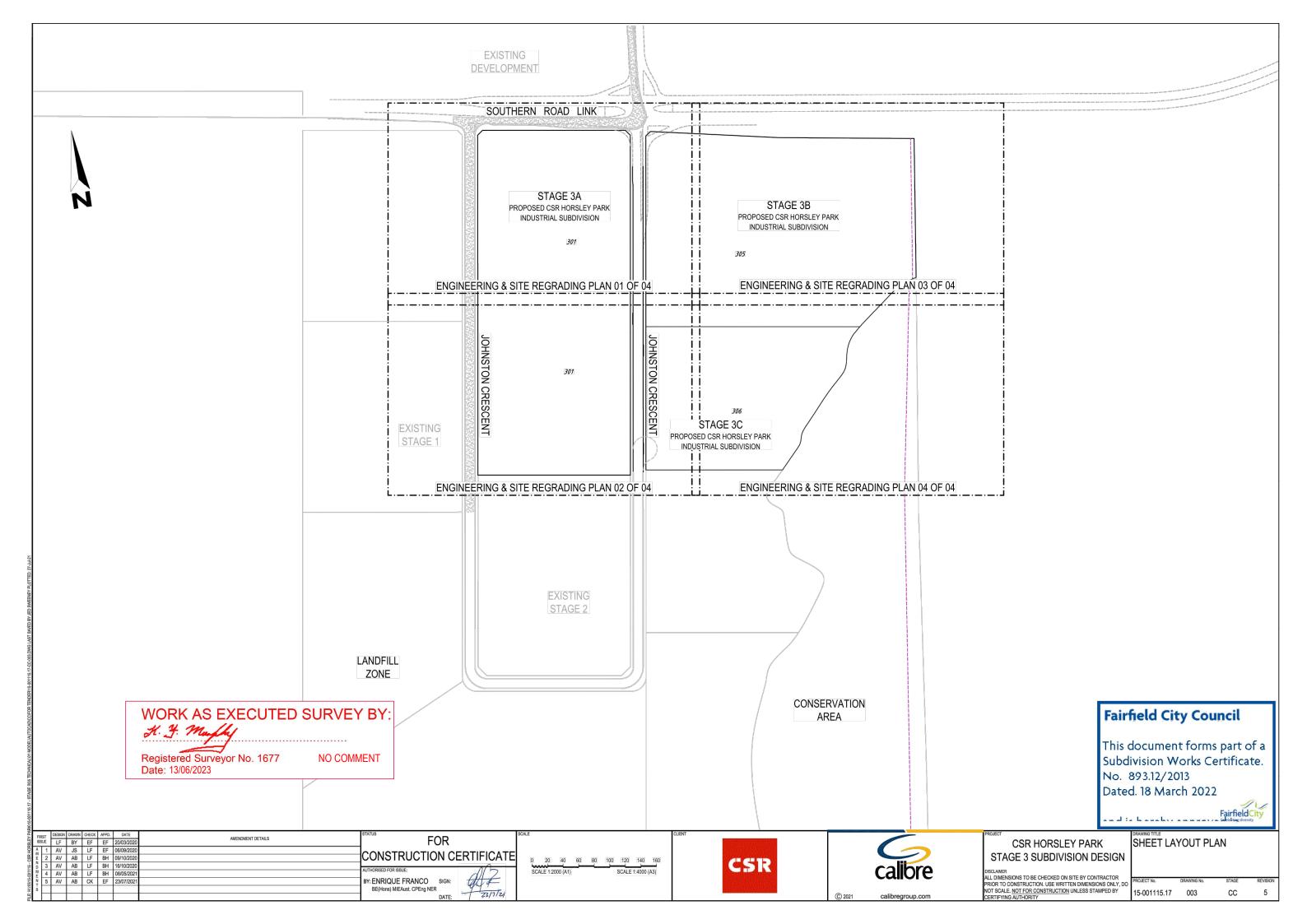
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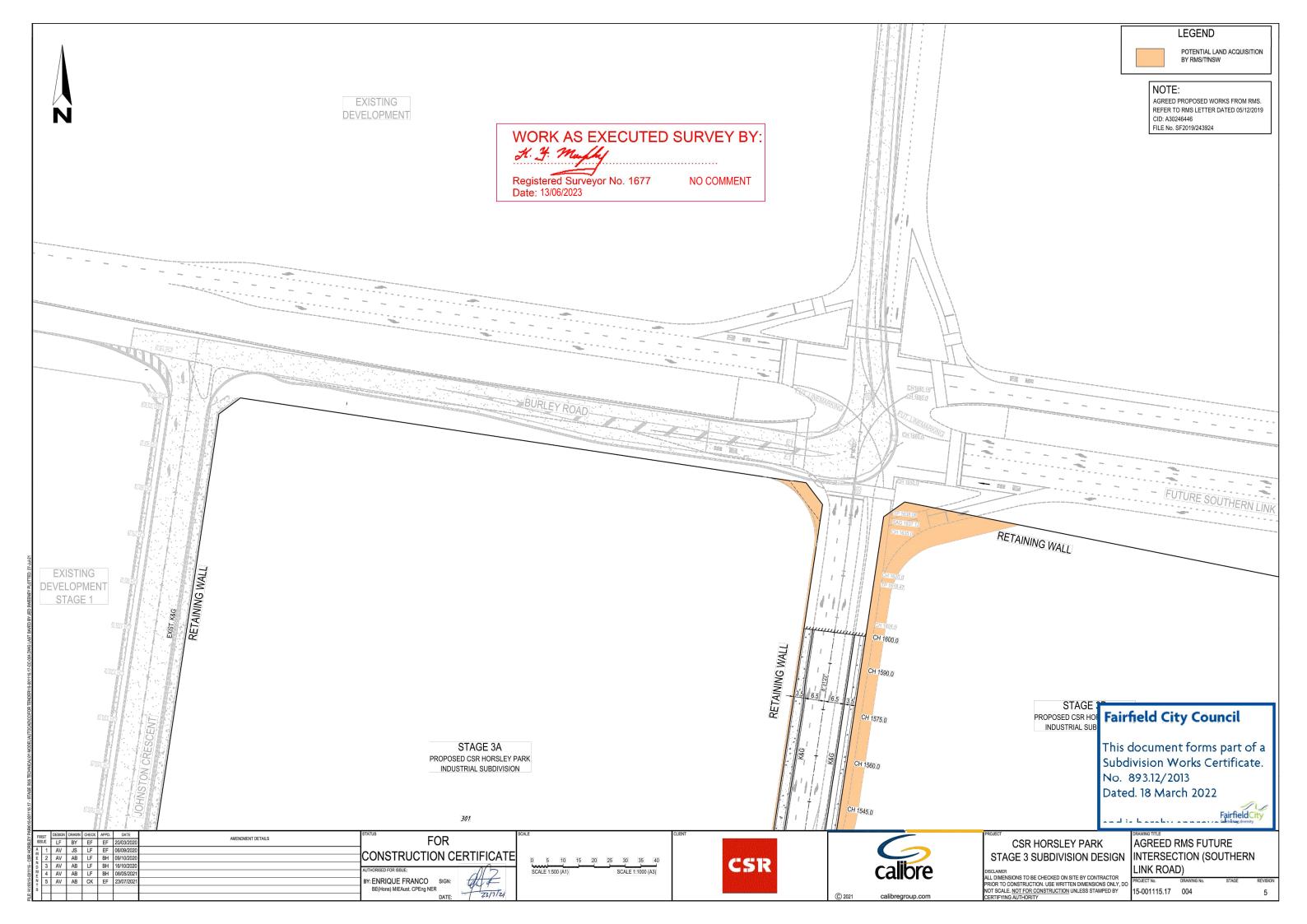
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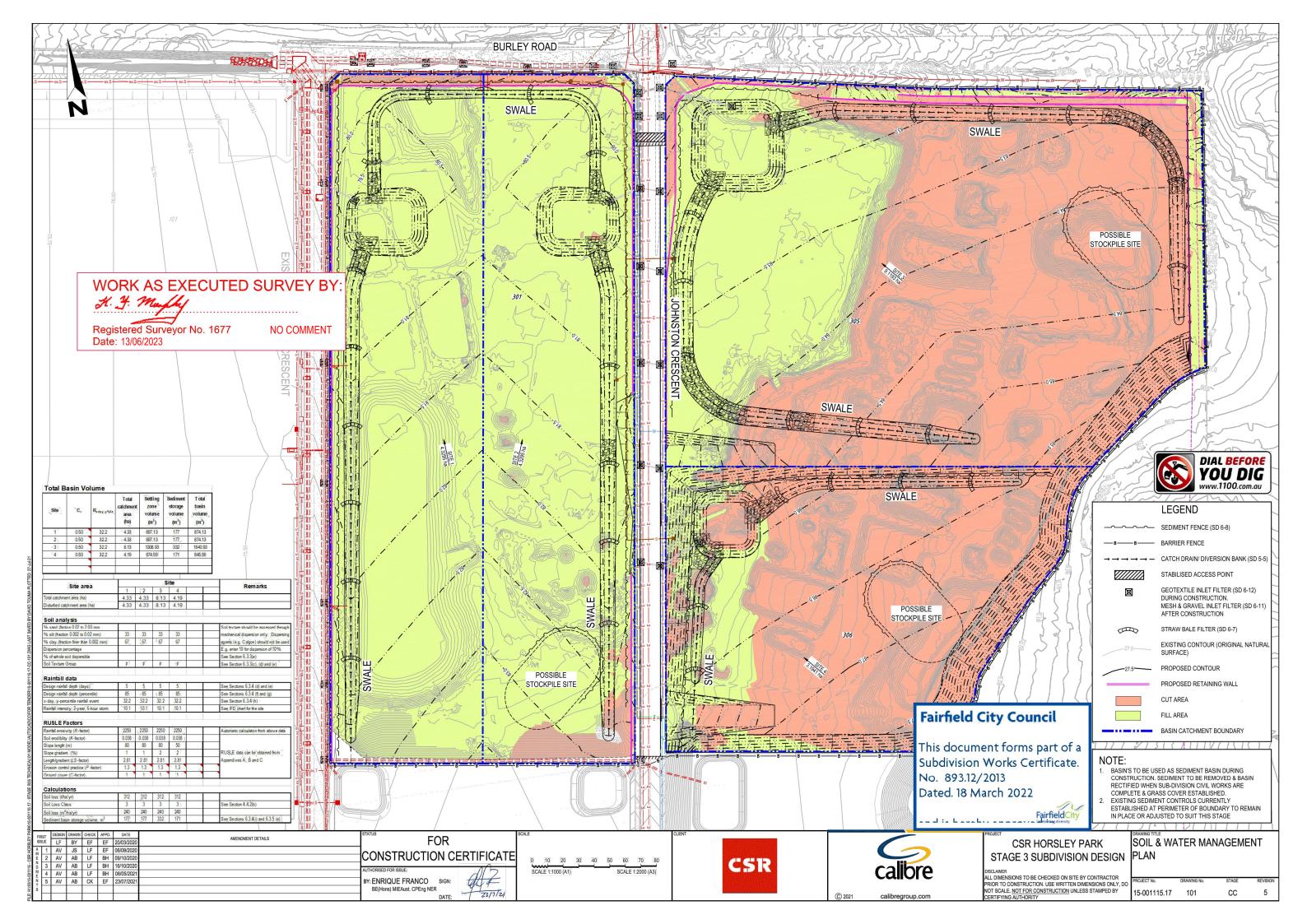
Registered Surveyor No. 1677

Date: 13/06/2023









SEDIMENT & EROSION CONTROL NOTES

- THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE COMMENCEMENT OF ANY WORKS. BEING CARRIED OUT. ALL SOIL AND EROSION MEASURES SHALL BE MAINTAINED AND KEPT IN PLACE FOR THE FULL DURATION OF THE WORKS AND SHALL ONLY BE REMOVED AT FINAL STABILISATION OF THE WORKS, WHERE IT IS NECESSARY TO UNDERTAKE STRIPPING IN ORDER TO CONSTRUCT A SEDIMENT CONTROL DEVICE ONLY SUFFICIENT GROUND SHALL BE STRIPPED TO ALLOW CONSTRUCTION.
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED & MAINTAINED AS INDICATED ON THESE DRAWINGS. LOCATION AND EXTENT OF SOIL & WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT
- CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER DAMAGE DURING THE COURSE OF THE CONTRACT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ANY NECESSARY CONTROL IS IN PLACE EVEN THOUGH SUCH CONTROL MAY NOT BE
- THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS & ALL EMPLOYEES OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION & POLLUTION TO DOWNSTREAM AREAS
- APART FROM SEDIMENT BASINS, THE CONTRACTOR SHALL REGULARLY MAINTAIN SEDIMENT AND EROSION CONTROL STRUCTURES & DESILT SUCH STRUCTURES PRIOR TO THE REDUCTION IN CAPACITY OF 30% DUE TO ACCUMULATED SEDIMENT. THE SEDIMENT SHALL BE DISPOSED OF ON SITE IN A MANNER APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALLTEMPORARILY REHABILITATE WITHIN TEN (10) DAYS ANY DISTURBED AREAS PROVIDING A MINIMUM 60% COVER. FINAL REHABILITATION IS TO BE PROVIDED WITHIN A FURTHER 60 DAYS WITH A MINIMUM 70% COVER.
- THE CONTRACTOR SHALL PROVIDE WATERING OF THE VEGETATED BATTERS FOR MAINTENANCE PERIOD. PLANT, MACHINERY AND VEHICLES SHALL NOT BE DRIVEN OVER GRASSED AREAS UNLESS ON AN APPROVED
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS QUICKLY AS POSSIBLE TO MINIMISE RISK OF EROSION.
- SITE ACCESS SHALL BE RESTRICTED TO THE NOMINATED POINTS. THE CONTRACTOR SHALL PROVIDE STABILISED SITE ACCESS
- DUST AND SITE DISTURBANCE MUST BE KEPT TO A MINIMUM, DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS MUST BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO REDUCE WIND FROSION. ERECT BARRIER FENCING TO MINIMISE LAND DISTURBANCE BY PREVENTING VEHICULAR AND PEDESTRIAN ACCESS TO AREAS BEING REHABILATATED AND LANDS THAT DO NOT NEED TO BE DISTURBED BY
- 11. STOCKPILE TOPSOILS, SUBSOILS AND OTHER MATERIALS SEPARATELY.
- 12. TOPSOIL SHALL BE STORED IN LOW MOUNDS NO MORE THAN 2 METRES HIGH AND RE-USED WITHIN TWO MONTHS TO MAINTAIN ACTIVE POPULATIONS OF BENEFICIAL SOIL MICROBES & SEED
- 13. PLACE ALL STOCKPILES AT LEAST FIVE METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS, ESPECIALLY EARTH BANKS AND ROADS. IF NECESSARY, EARTH BANKS OR DRAINS WILL BE CONSTRUCTED TO DIVERT LOCALISED RUN-ON
- TURN TOPSOIL STOCKPILES OVER TO AERATE THEM AT MONTHLY INTERVALS. ENSURE VEGETATION IS NOT INCORPORATED INTO THE SOIL.

Fairfield City Council

No. 893.12/2013

Dated, 18 March 2022

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- 15. AVOID REVERSING THE SOIL PROFILE MATERIALS DURING FILL OPERATIONS - REPLACE DISTURBED SOILS IN THEIR ORIGINAL ORDER
- 16. ON COMPLETION OF MAJOR EARTHWORKS AND BEFORE ADDING TOPSOIL LEAVE DISTURBED LANDS WITH A LOOSE SURFACE ALTERNATELY DISTURBED AREAS PREVIOUSLY COMPACTED BY CONSTRUCTION WORKS WILL BE RIPPED TO MORE THAN 200mm ALONG THE CONTOUR BEFORE
- 17. PROVIDING MATERIALS ARE AVAILABLE, SPREAD TOPSOIL TO A MINIMUM DEPTH OF 75mm IN REVEGETATION AREAS ON SLOPES OF 4(H):1(V) OR LESS AND TO A DEPTH OF 40 TO 60mm IN REVEGETATION AREAS STEEPER
- 18. LEAVE TOPSOIL IN A SCARIFIED OR ROUGH CONDITION ONCE REPLACED TO HELP MOISTURE INFILTRATION AND REDUCE SOIL EROSION.
- 19. ENSURE SOIL IS THOROUGHLY SOAKED TO A DEPTH OF 75mm (RAIN OR IRRIGATION) IMMEDIATELY BEFORE PLANTING.
- 20. HANDLE TOPSOIL ONLY WHEN IT IS MOIST (NOT WET OR DRY) TO AVOID DECLINE OF SOIL STRUCTURE
- 21. THE CONTRACTOR SHALL MAINTAIN A LOG BOOK DETAILING:
- RECORDS OF ALL RAINFALL CONDITION OF SOIL AND WATER MANAGEMENT STRUCTURES
- ANY APPLICATION OF FLOCCULATING AGENTS TO SEDIMENT BASIN
- VOLUMES OF ALL WATER DISCHARGED FROM SEDIMENT BASINS ANY ADDITIONAL REMEDIAL WORKS REQUIRED.
- 22. THE LOG BOOK SHALL BE MAINTAINED ON A WEEKLY BASIS AND BE MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. THE ORIGINAL LOG BOOK SHALL BE ISSUED TO THE PROJECT MANAGER AT THE
- 23. ALL ROAD EMBANKMENTS TO BE STABILISED AS PER LANDSCAPE ARCHITECTS DETAILS.
- 24. A SELF AUDITING PROGRAM SHOULD BE ESTABLISHED BASED ON A CHECK SHEET DEVELOPED FOR THE SITE, A SITE INSPECTION USING THE CHECK SHEET SHOULD BE MADE BY THE SITE MANAGER AT LEAST WEEKLY, IMMEDIATELY BEFORE SITE CLOSURE AND IMMEDIATELY FOLLOWING RAINFALL EVENTS THAT CAUSE RUNOFF
- 25. UNDERTAKE THE SELF AUDIT BY:
- WALKING AROUND THE SITE SYSTEMATICALLY (E.G. CLOCKWISE)
- RECORDING THE CONDITION OF EVERY BMP EMPLOYED
- RECORDING MAINTENANCE REQUIREMENTS (IF ANY) FOR EACH BMP
- FORWARDING A SIGNED DUPLICATE OF THE COMPLETED CHECK SHEET
- TO THE PROJECT MANAGER/DEVELOPER/SITE OPERATOR FOR THEIR
- 26. IN PARTICULAR, INSPECT:
- LOCATIONS WHERE VEHICLES ENTER AND LEAVE THE SITE - ALL INSTALLED EROSION AND SEDIMENT CONTROL MEASURES, ENSURING THEY ARE OPERATING CORRECTLY - AREAS THAT MIGHT SHOW WHETHER SEDIMENT OR OTHER POLLUTANTS ARE LEAVING THE SITE OR HAVE POTENTIAL TO DO SO - ALL DISCHARGE POINTS, TO ASSESS WHETHER THE EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING MPACTS TO THE RECEIVING WATERS
- 27. A SITE INSPECTION USING THE CHECK SHEET WILL BE MADE BY THE SITE MANAGER AT LEAST WEEKLY, IMMEDIATELY BEFORE SITE CLOSURE, AND

Registered Surveyor No. 1677

STABILISE STOCKPILE

SURFACE

-MAXIMUM BATTER SLOPE REDUCED TO 1:4

A STRAW BALE OR 200mm HIGH GRAVEL DAM

Date: 13/06/2023

CONSTRUCTION NOTES:

STOCKPILES

EARTH BANK

WORK AS EXECUTED SURVEY BY

SEDIMENT FENCE

NO COMMENT

CAN BE CONSTRUCTED WITH ALL BATTER GRADES GRADIENT OF DRAIN 1% TO 5% DIRECTION OF FLOW 300 mm MIN 2 METRES MIN. NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES CONSTRUCTION NOTES:

1. BUILD WITH GRADIENTS BETWEEN 1 PERCENT AND 5 PERCENT

- 2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE WORK AROUND THEM. B. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD
- IMPEDE WAI EN FLOW.

 4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.

 5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.

 6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

EARTH BANK (LOW FLOW)

SD 5-5

LEVEL SPREADER (OR SILL)

CONSTRUCTION NOTES:

FOLLOWING TABLE 5.2 IN LANDCOM (2004).

EARTH BANK (HIGH FLOWS)

DISTURBED AREA

"UNDISTURBED AREA

CONSTRUCTION NOTES:

SEDIMENT FENCE

MIN. 1.5 M

CONSTRUCTED LEVEL SPREADER.

. CONSTRUCT AT THE GRADIENT SPECIFIED ON THE ESCP OR SWMP, NORMALLY BETWEEN 1% AND 5%

3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD

4. BUILD THE DRAINS WITH CHECKLER, PARABOLIC OR TRAFEZOIDLE GROSS SECTIONS, NOT 4-51
AT THE DIMENSIONS SHOWN ON THE SWIMP,
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION

1. CONTROL OF THE STATE OF THE STATE

7. WHERE DISCHARGING TO ERODIBLE LANDS, ENSURE THEY OUTLET THROUGH A PROPERLY

4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V-SHAPED,

8. CONSTRUCT THE LEVEL SPREADER AT THE GRADIENT SPECIFIED ON THE ESCP OR SWMP, NORMALLY

LESS IHAN 1% OR LEVEL.

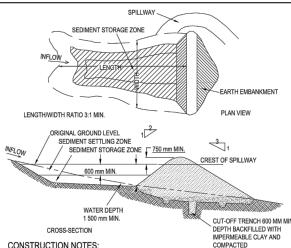
9. WHERE POSSIBLE, ENSURE THEY DISCHARGE WATERS ONTO EITHER STABILISED OR UNDISTURBED DISPOSAL SITES WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED. APPROVAL MIGHT BE REQUIRED TO DISCHARGE INTO OTHER SUBCATCHMENTS.

1.5 M STAR PICKETS A

MAX. 2.5 M CENTRES

DIRECTION OF FLOW

2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.



1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE

2. CONSTRUCT A CUT-OFF TRENCH 500 MM DEEP AND 1,200 MM WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST 3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY

4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR OREIGN MATERIAL.

DREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100 MM TO HELP BOND PACTED FILL TO THE EXISTING SUBSTRATE.

READ THE FILL IN 100 MM TO 150 MM LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT.

NSTRUCT THE EMERGENCY SPILL WAY 8 REHABILITATE THE STRUCTURE FOLLOWING THE SWMP

RTH BASIN - WET PLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)

KERB-SIDE INLET IMBER SPACER TO SUIT GRAVEL-FILLED WIRE MESH OR RUNOFF WATER OVERELOW TIMBER SPACER TO SUIT GRAVEL-FILLED WIRE MESH OR

NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN AN APPROVED SWMP/ESCF

FILTERED WATER

CONSTRUCTION NOTES:

- 1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- 2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE
- 2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET DIT AND FILL IT WITH 25mm TO 56mm GRAVEL.

 3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH X 400mm WIDE.

 4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.

 5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.

 6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE OF LOCED SO THAT THEY SIRED IN A SUBMENT A POEM WATERS CANNOT.
- THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT
- A STRAW BALLE OF ZOUTHER THOUGHT STRAVEL DAWN LESTABLISH GRASS COVER TO SURFACE OF STOCKPILE WITHIN 14 DAYS, USING HYDROMULCH WITH A 75:25 MIX OF SEASONAL AND PERMANENT GRASS SEEDS, AND A STRAW MULCH THICKNESS OF NO LESS THAN 5mm.

 CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER ON THE UPSLOPE SIDE TO DIVERT WATER DOWNERS.

CONSTRUCT A CONTOUR DRAIN ON THE LOW SIDE OF THE STOCKPILE. AND DISCHARGING THROUGH

AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE

CONST ROO FION NOTES.

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 HEIGH

ALL STOCKPILES ARE TO BE LOCATED AND PLACED IN ACCORDANCE WITH THE CONTRACTOR'S

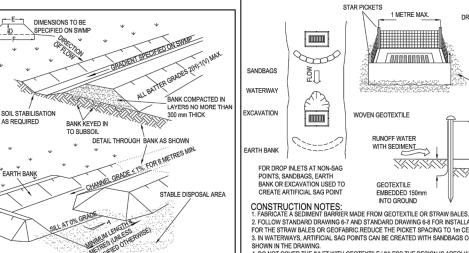
ALESTOCKHILES ARE TO BE LOCATED AND TEACH IN ACCOUNTAGE WITH THE CONTINCTIONS EROSION AND SEDIMENT CONTROL PLAN.
 WHERE STOCKHILES ARE TEMPORARY (<14 DAYS) NO STABILISATION IS REQUIRED. REVIEW THE ADEQUACY OF SEDIMENT CONTROLS IF RAINFALL IS PREDICTED.
 WHERE STOCKPILES ARE TEMPORARY (<14 DAYS) THE FOLLOWING ADDITIONAL CONTROLS ARE

SD 4-1

MESH AND GRAVEL INLET FILTER

SD 6-11

SD 6-4



SD 5-6

SELF-SUPPORTING

ON SOIL, 150 mm X 100 m

SURFACE CONCRETE

DIRECTION OF FLOW

1.5 M STAR PICKETS AT MAX. 2.5 M CENTRES

20 M MAX. (UNLESS STATED

STAR PICKETS AT MAXIMUM

2.5 M SPACINGS

. 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

CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE

TO FEAR EVENT.

2. CUIT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.

3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5m INTERVALS (MAX) AT THE DOWNSLOPE.

EDGE OF THE TRENCH, ENSURE ANY STAR PICKETS ARE TITTED 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.

5. 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

ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF

EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.

FLOW

1. FABRIONE A SELIMENT BRANKER MINEE PROVING CITATILE OF A THAN DALES.

F. COLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES

FOR THE STRAW BALES OR GEOFABRIC REDUCE THE PICKET SPACING TO 1m CENTRES.

3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS

OR CONTROLLED BRANKER.

DROP INLET WITH GRATE

WIRE OR STEEL MESH (14 GAUGE X 150mm

OPENINGS) WHERE

GEOTEXTILE IS NOT

WOVEN GEOTEXTILE

STAR PICKET FITTED

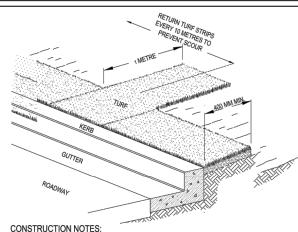
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SD 6-12

SELF-SUPPORTING

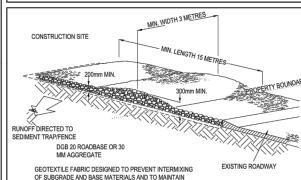
SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT

GEOTEXTILE INLET FILTER



1. INSTALL A 400mm MINIMUM WIDE ROLL OF TURE ON THE FOOTPATH NEXT TO THE KERB T. MOSTALE A SOURIMINION WIDE COLLECTION OF THE POSTFATT NEXT TO THE READ AND AT THE SAME LEVEL AS THE TOP OF THE KERB. 2. LAY 1.4 METRE LONG TURF STRIPS NORMAL TO THE KERB EVERY 10m. 3. REHABILITATE DISTURBED SOIL BEHIND THE TURF STRIP FOLLOWING THE ESCP/SWMP.

KERBSIDE TURF STRIP SD 6-13



OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS, GEOFABRIC MAY BE A WOVEN OR NEEDLE-PUNCHED PRODUCT WITH A

CONSTRUCTION NOTES:

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.

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

5.11 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

FOR LF BY EF EF 20/03/20 CONSTRUCTION CERTIFICATE 09/10/20 Y: ENRIQUE FRANCO SIGN BE(Hons) MIEAust. CPEng NER 23/7/21





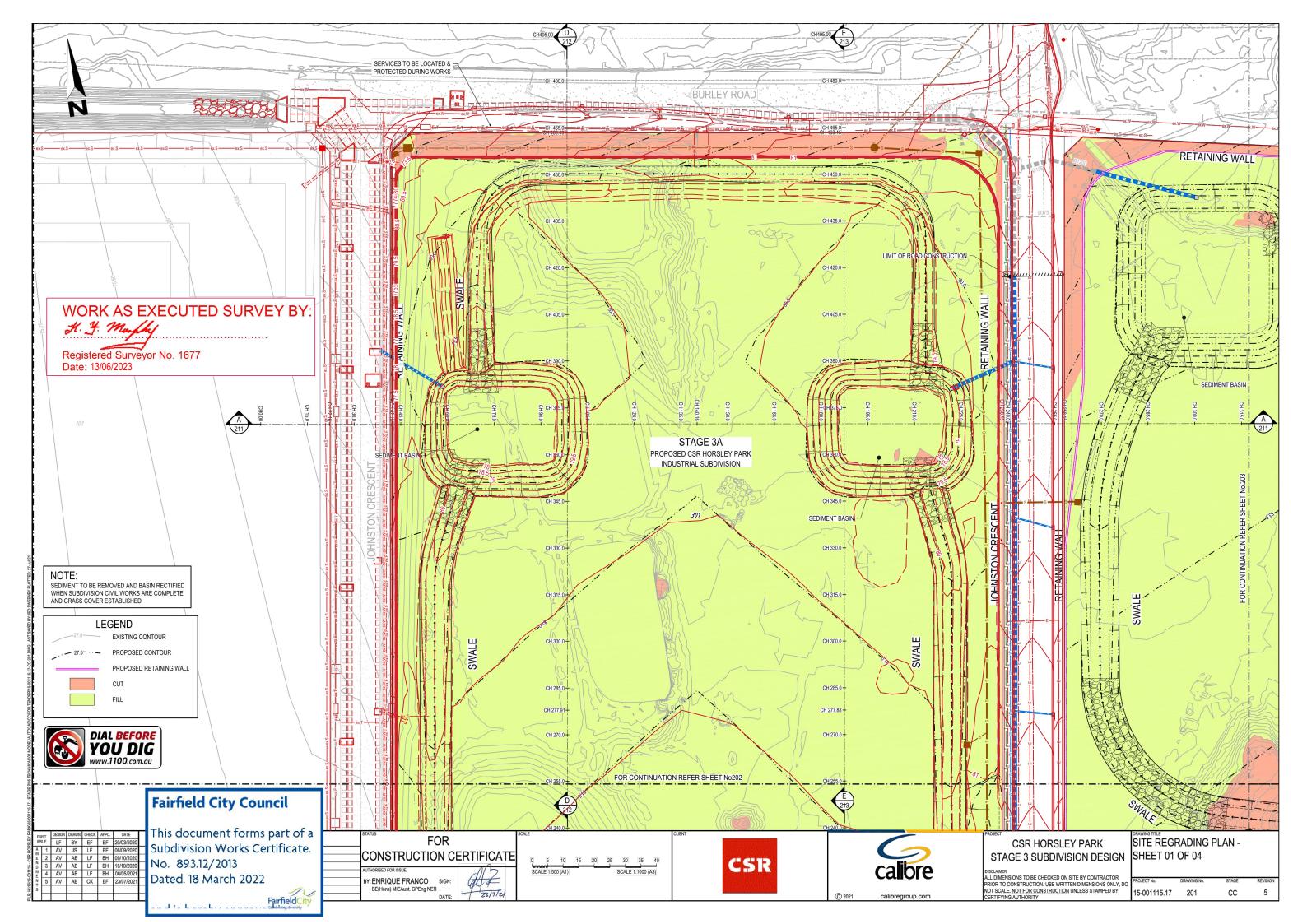
CSR HORSLEY PARK STAGE 3 SUBDIVISION DESIGN

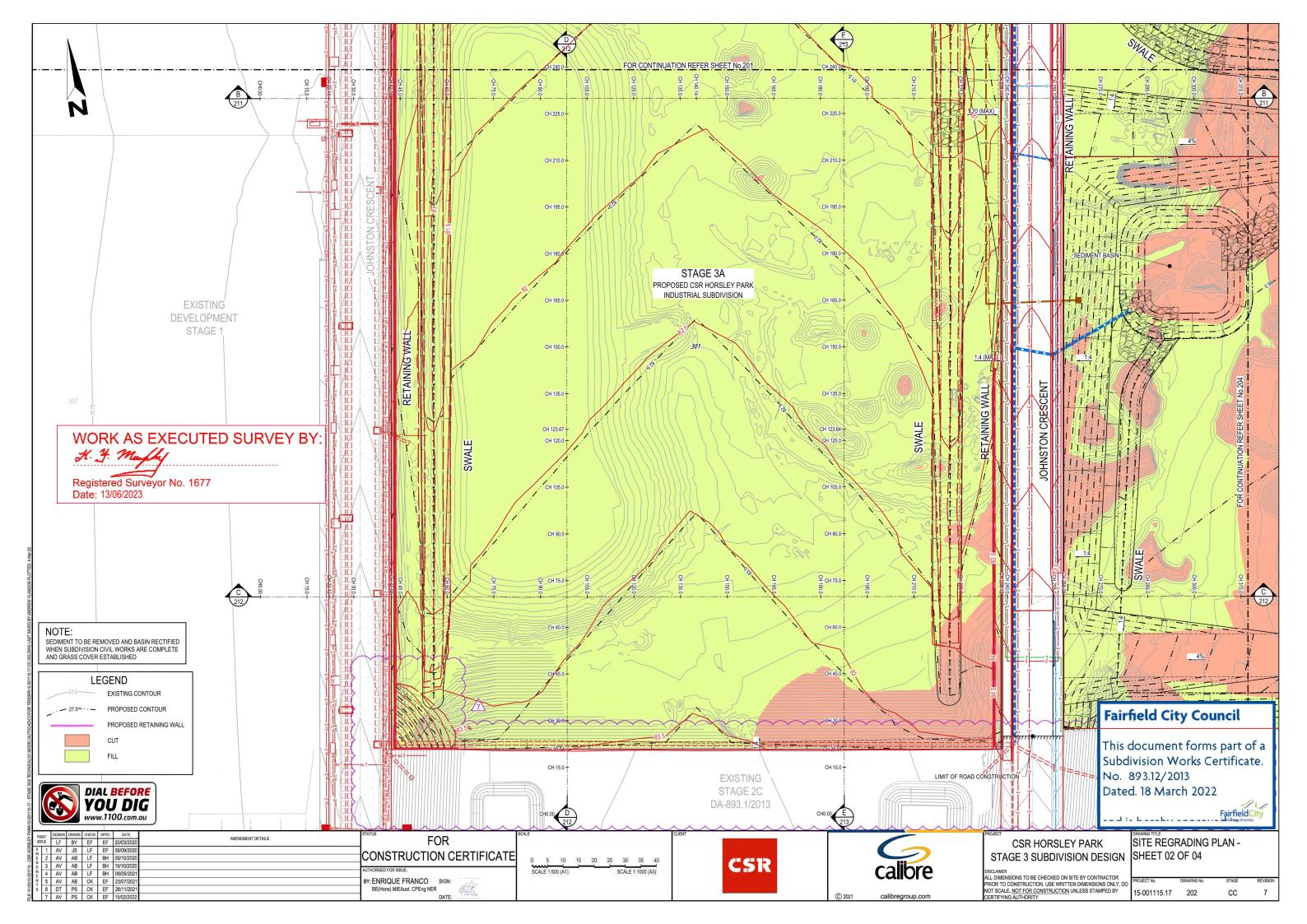
SD 6-8

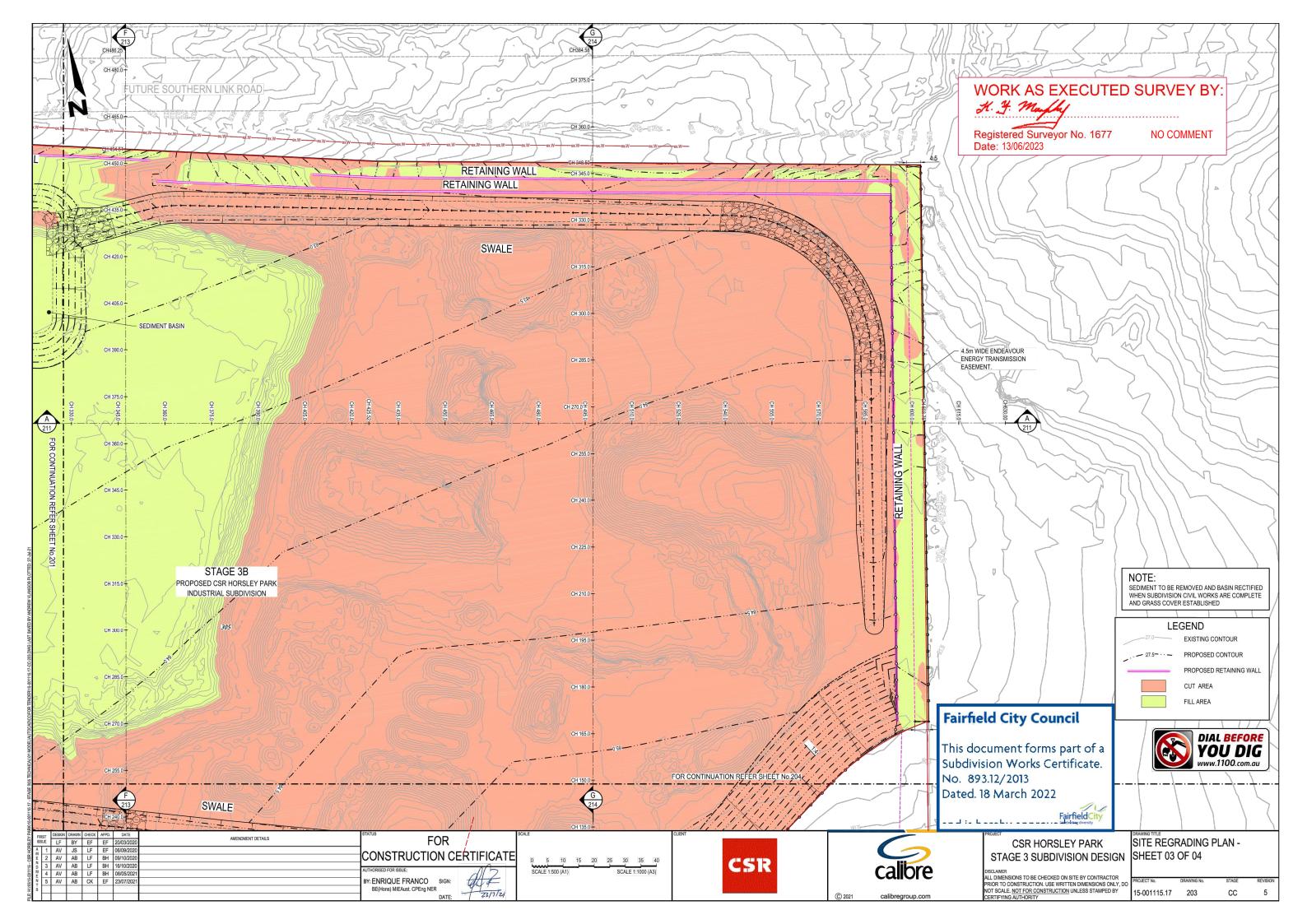
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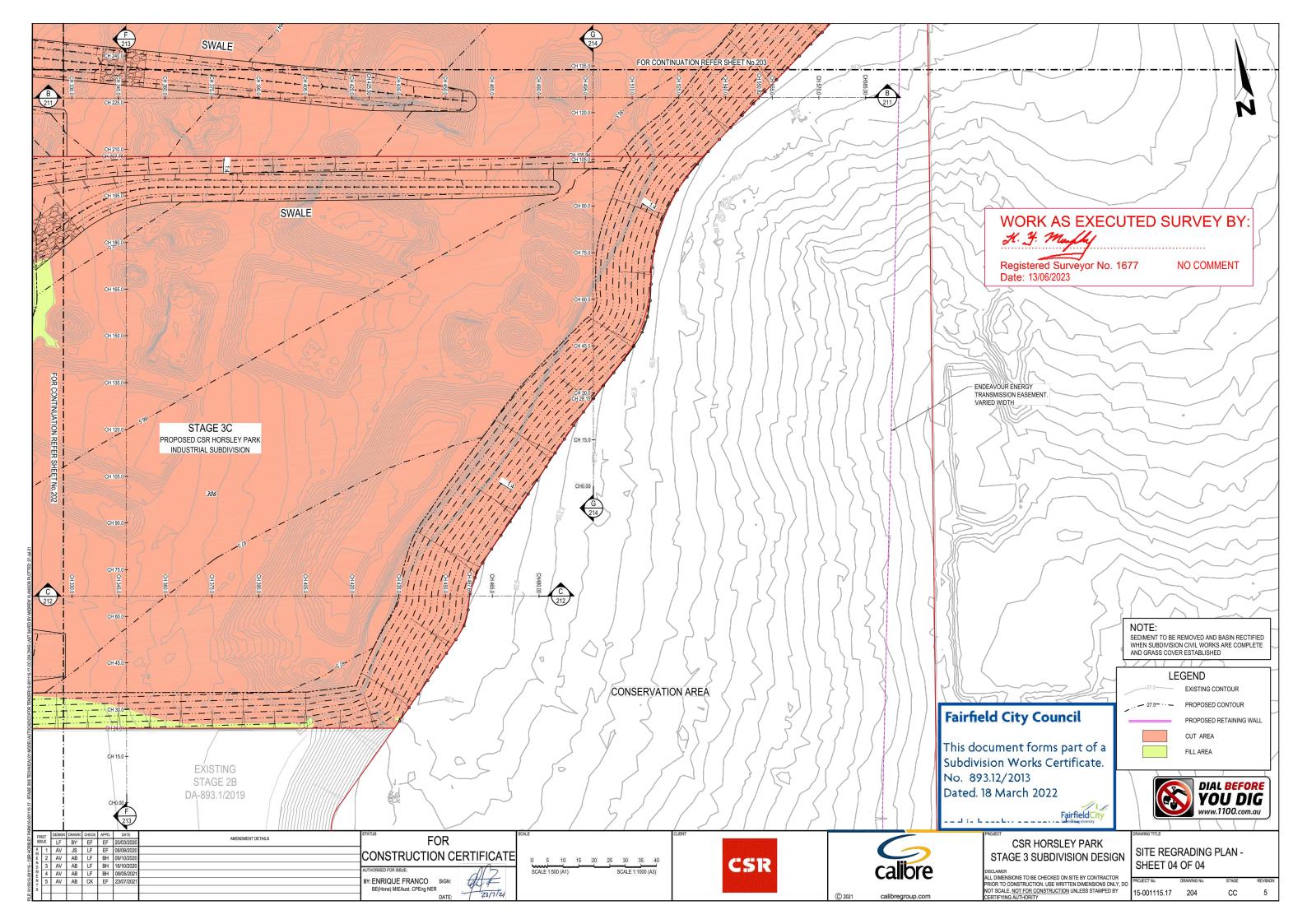
SOIL & WATER MANAGEMENT NOTES & DETAILS

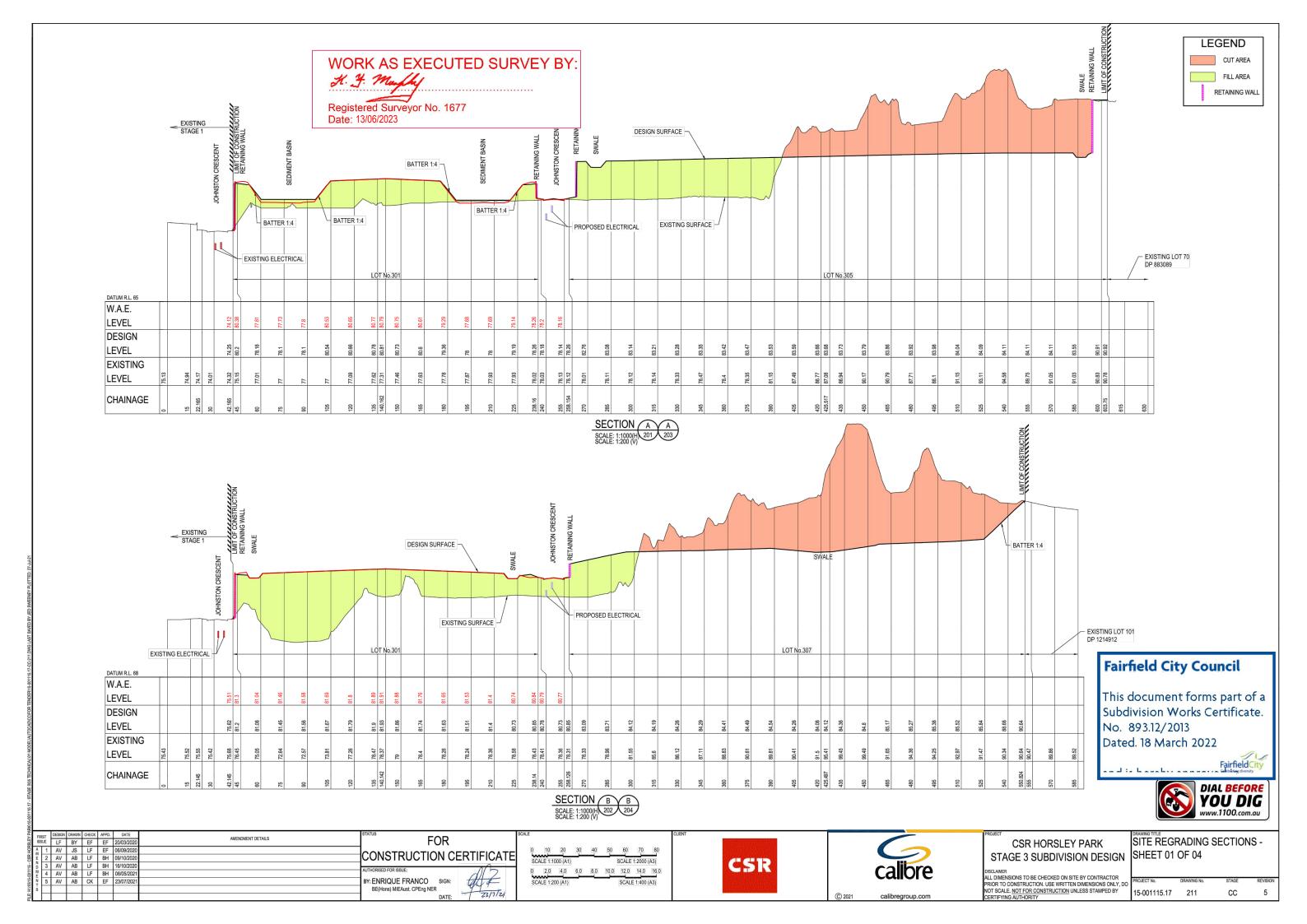
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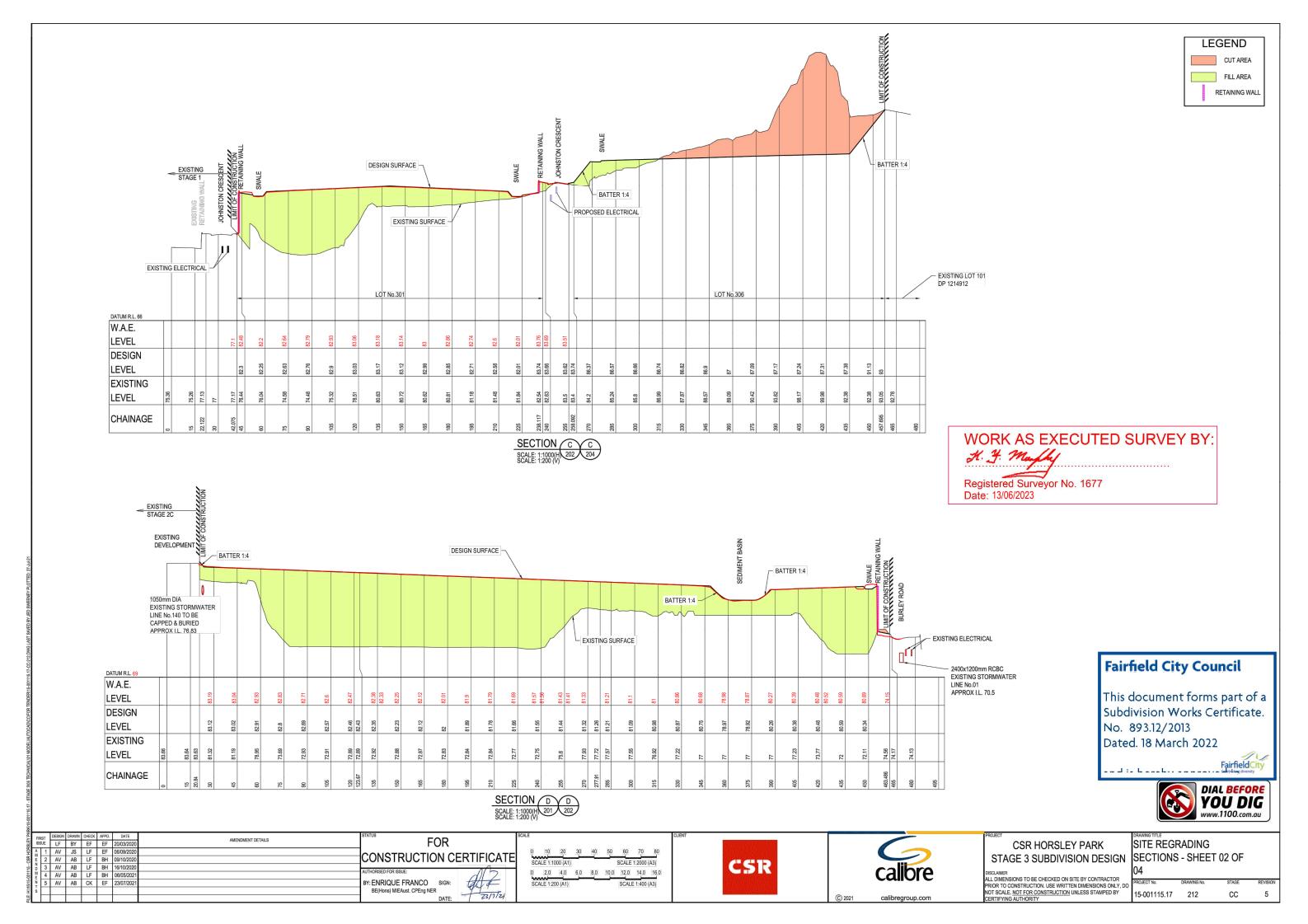


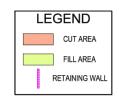


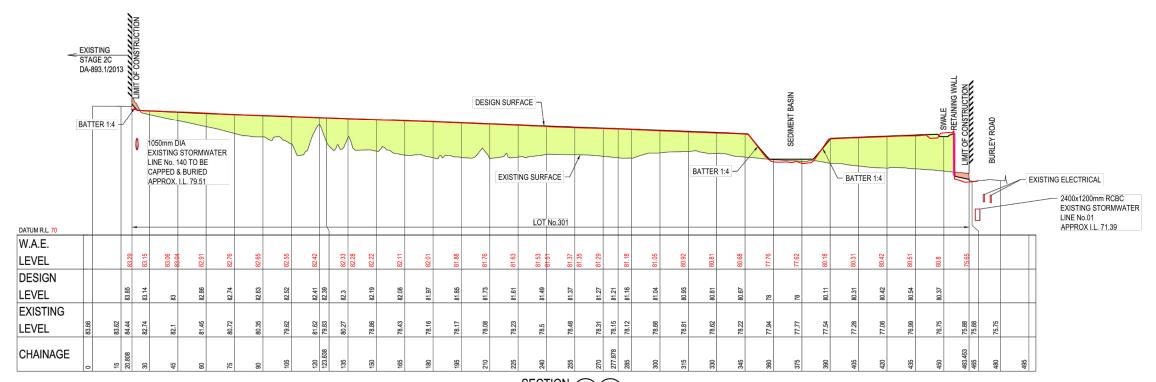












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WORK AS EXECUTED SURVEY BY:

Registered Surveyor No. 1677 Date: 13/06/2023

Fairfield City Council

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FairfieldCity



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L								DATE: 23/1/2/

CHAINAGE

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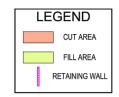


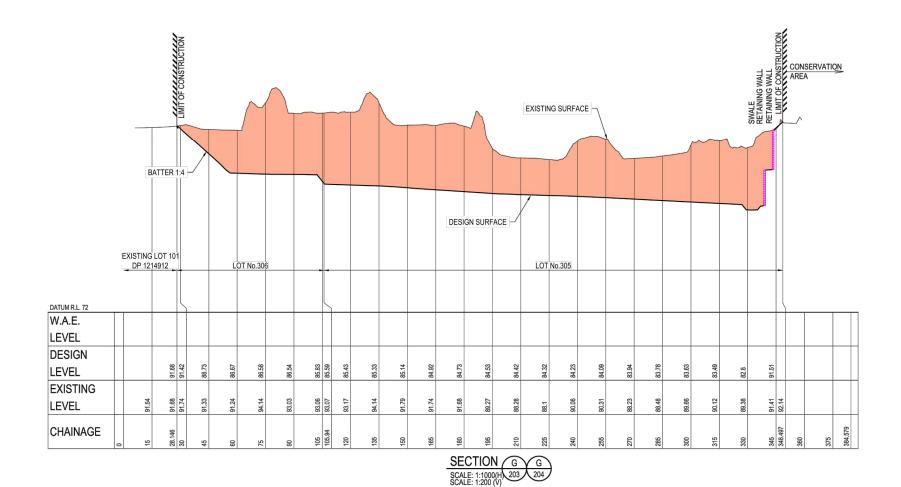
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N	SITE RE SECTIO 04	GRADING NS - SHEET	03 OF
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Registered Surveyor No. 1677 Date: 13/06/2023

NO COMMENT

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SITE REGRADING

DESIGN DRAWN CHECK APPD. DATE

LF BY EF EF 20/03/2020 AMENDMENT DETAILS FOR CONSTRUCTION CERTIFICATE BY: ENRIQUE FRANCO SIGN: BE(Hons) MIEAust. CPEng NER 23/7/21

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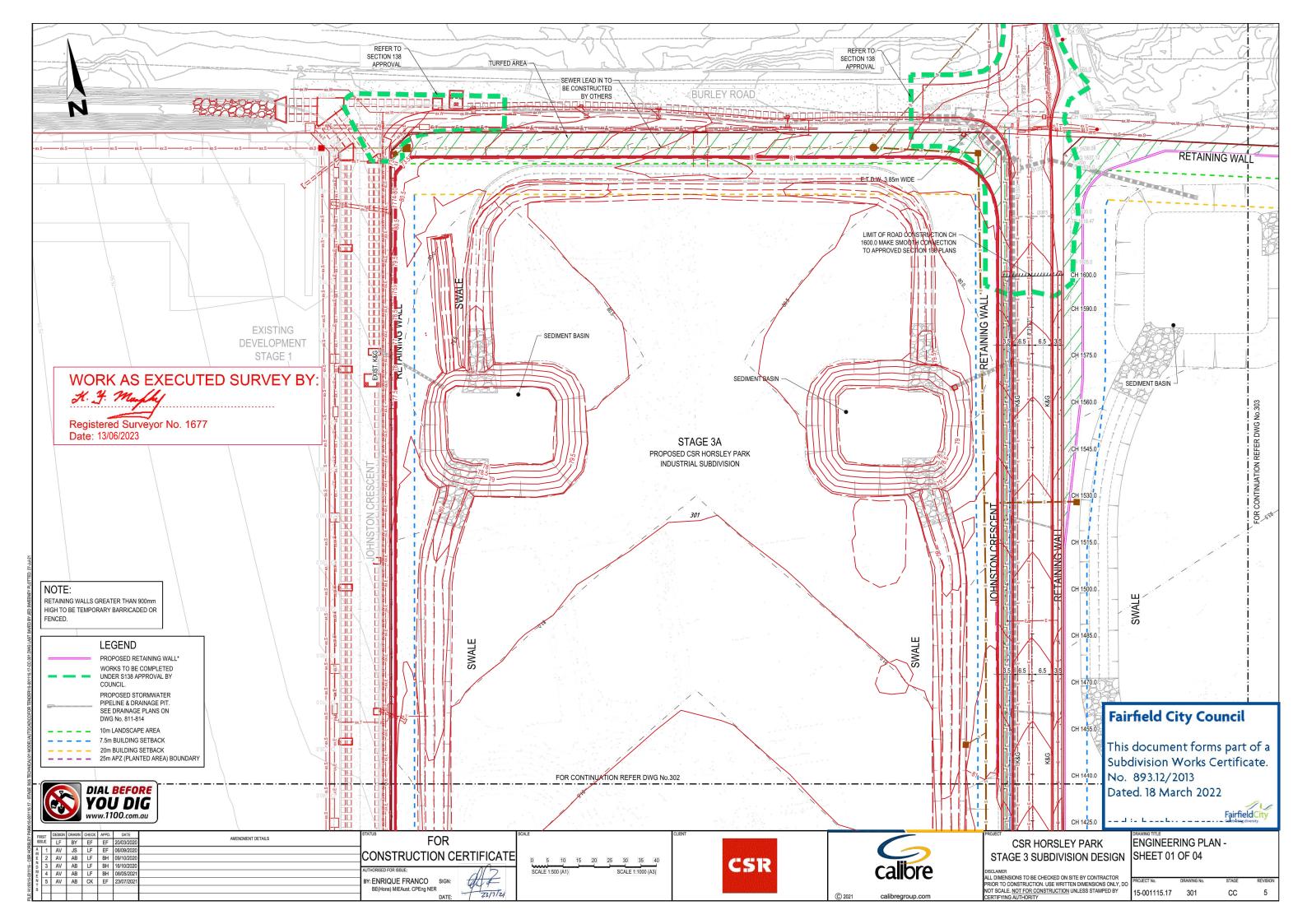


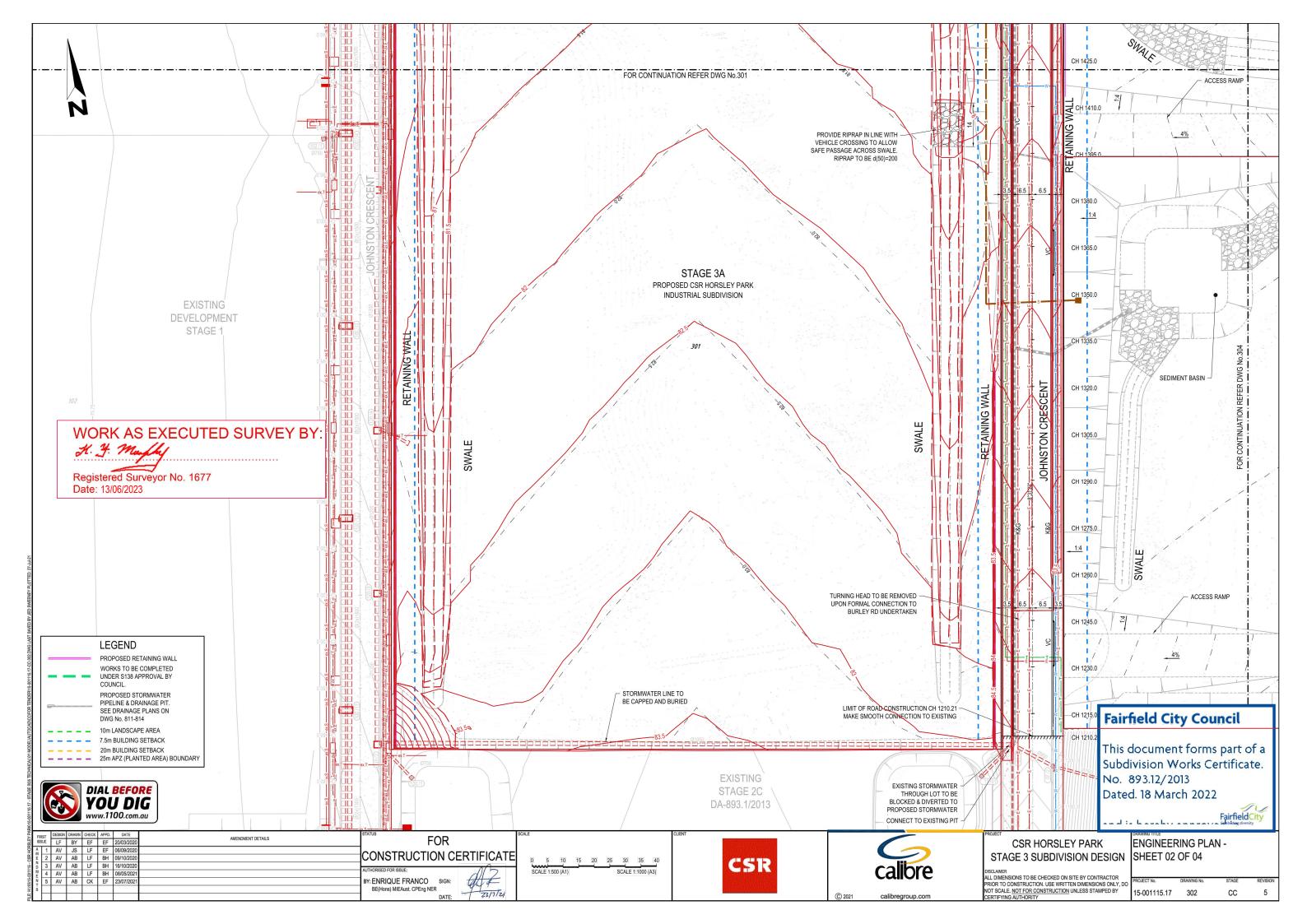


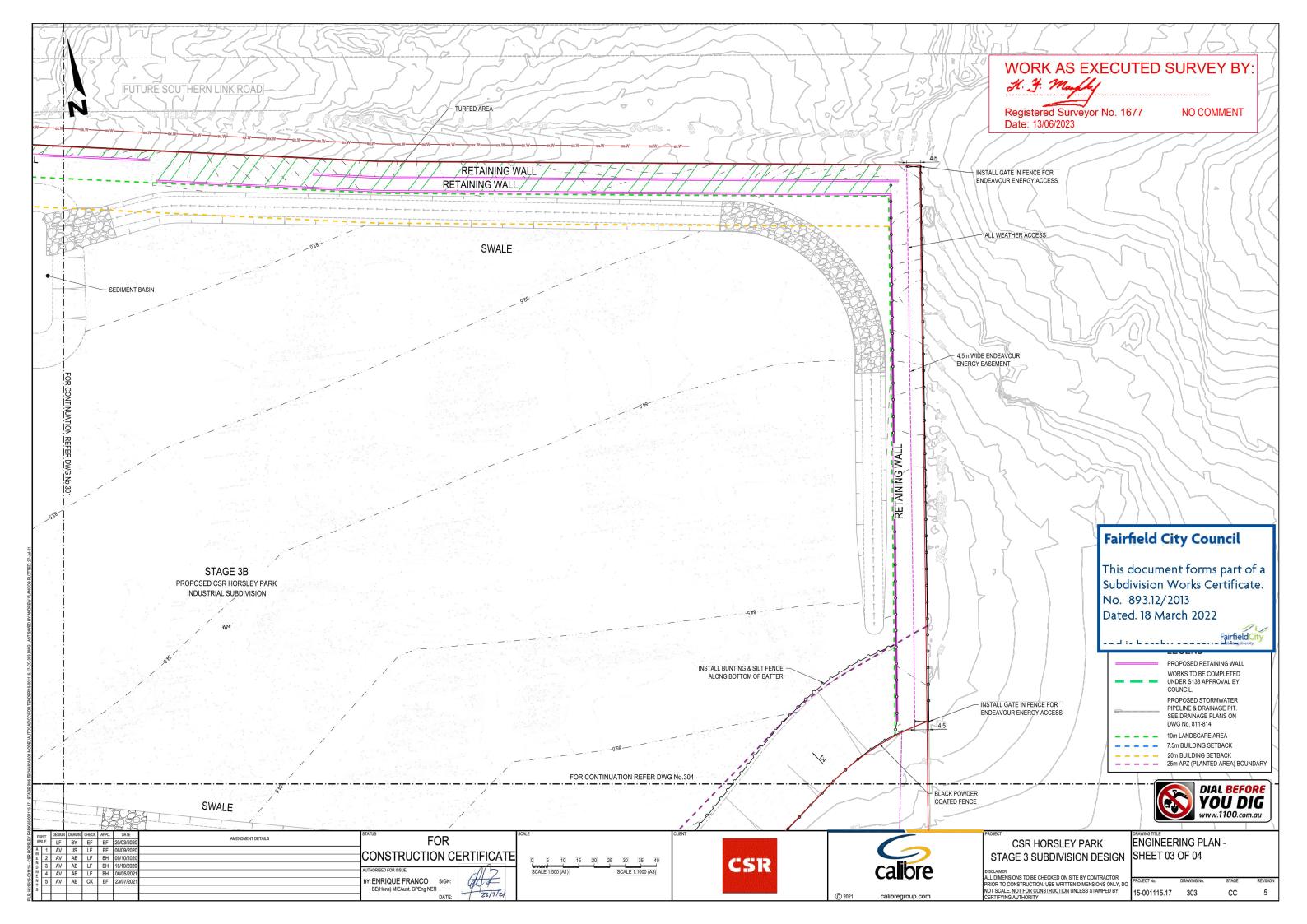
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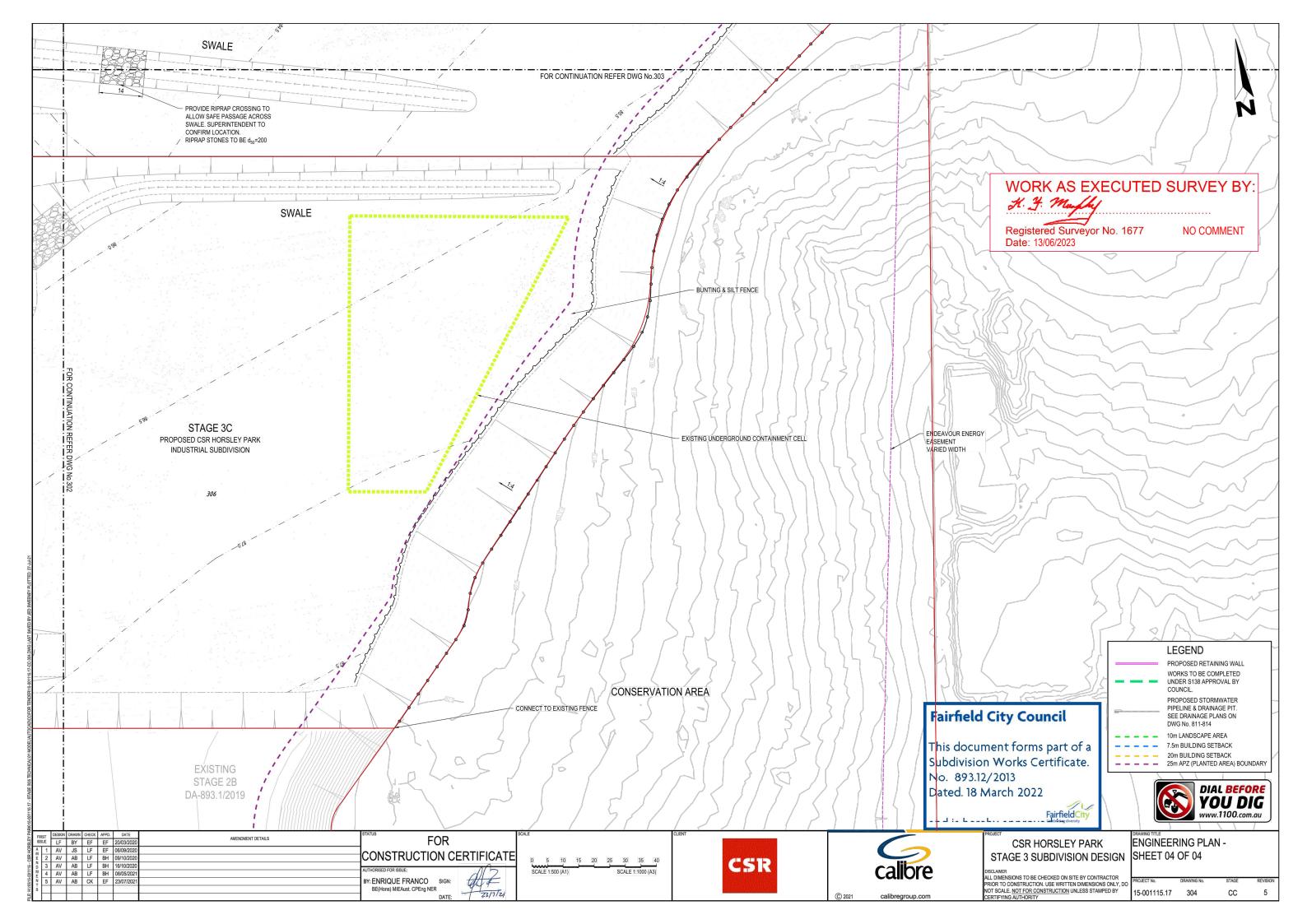
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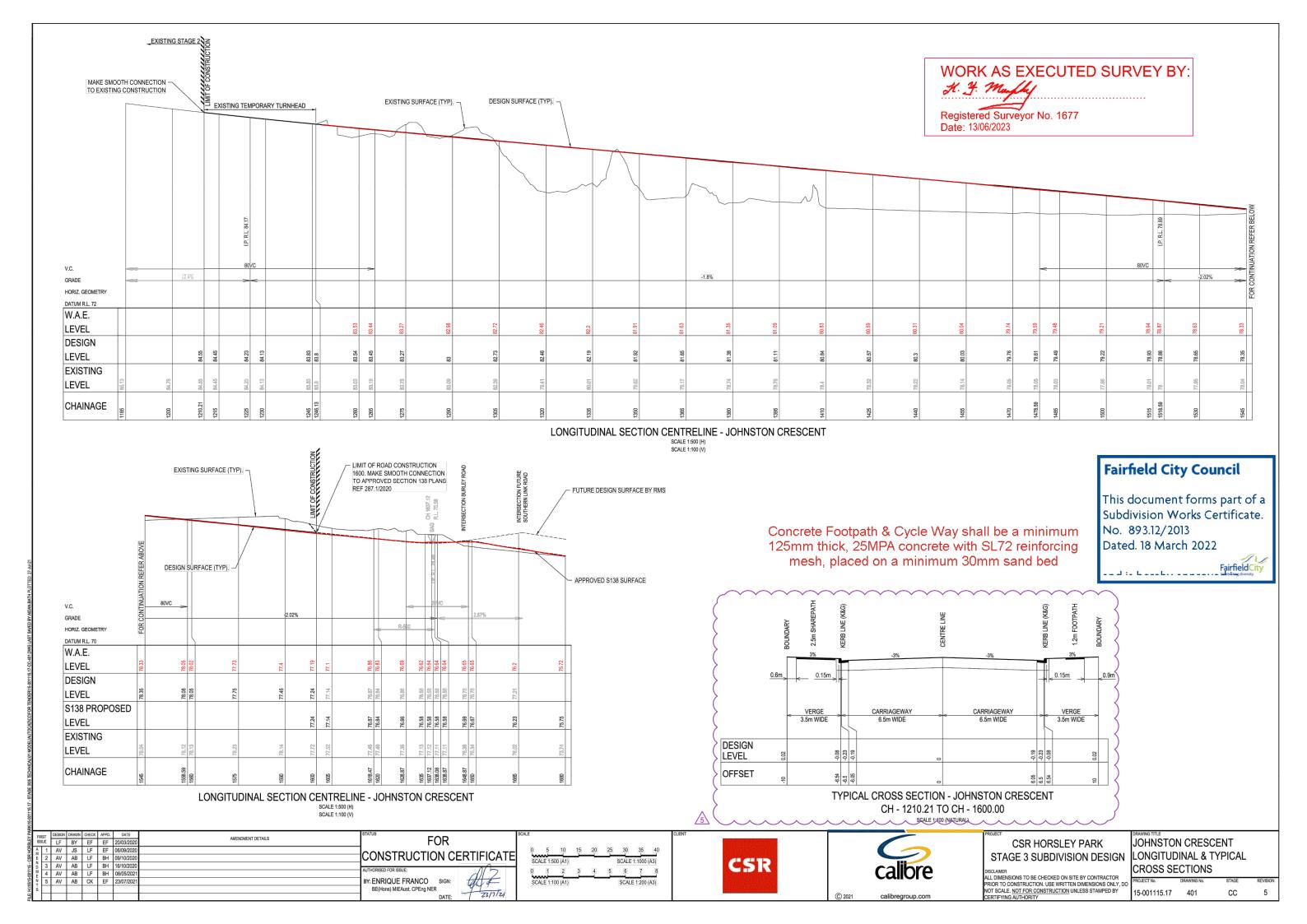
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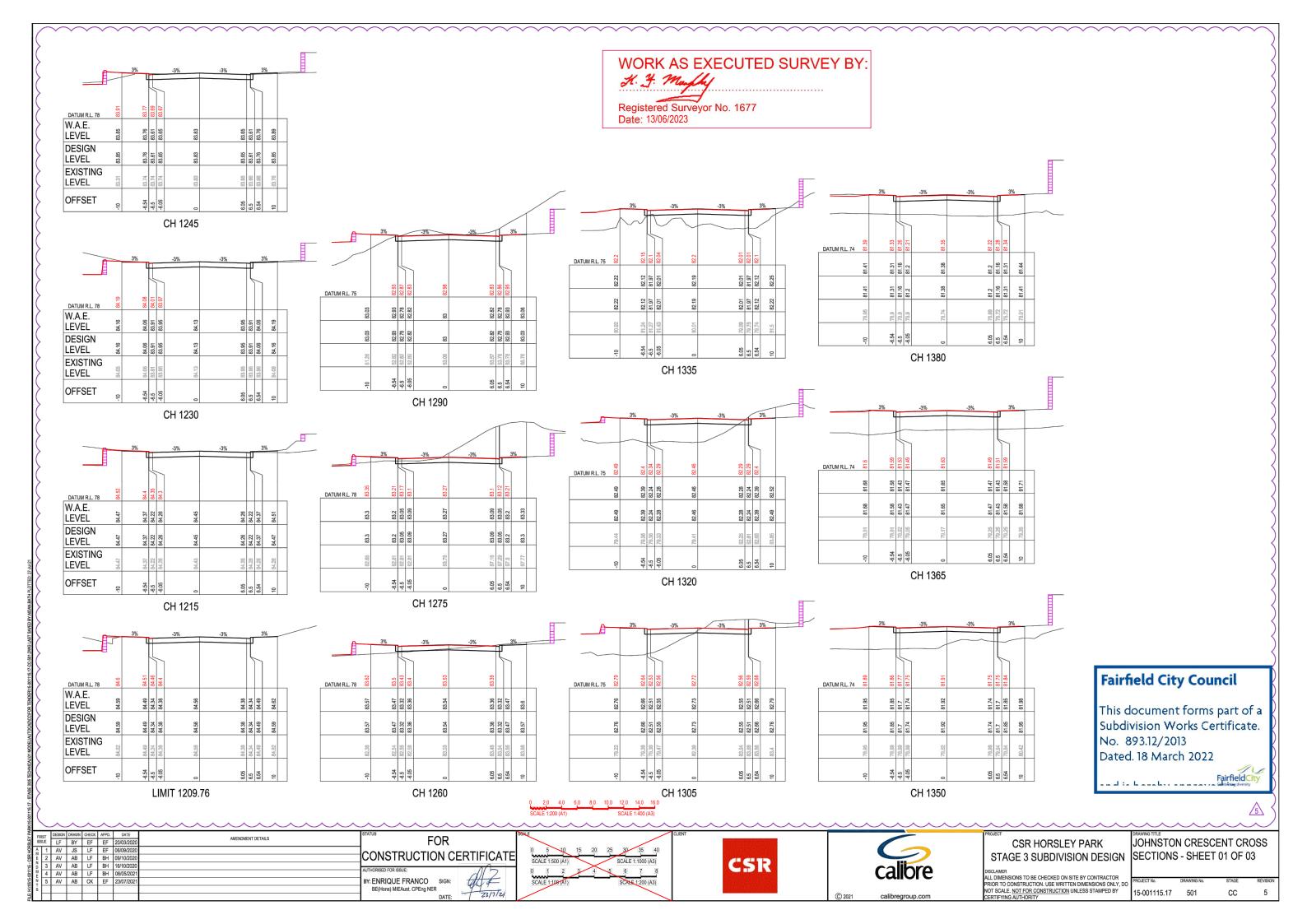


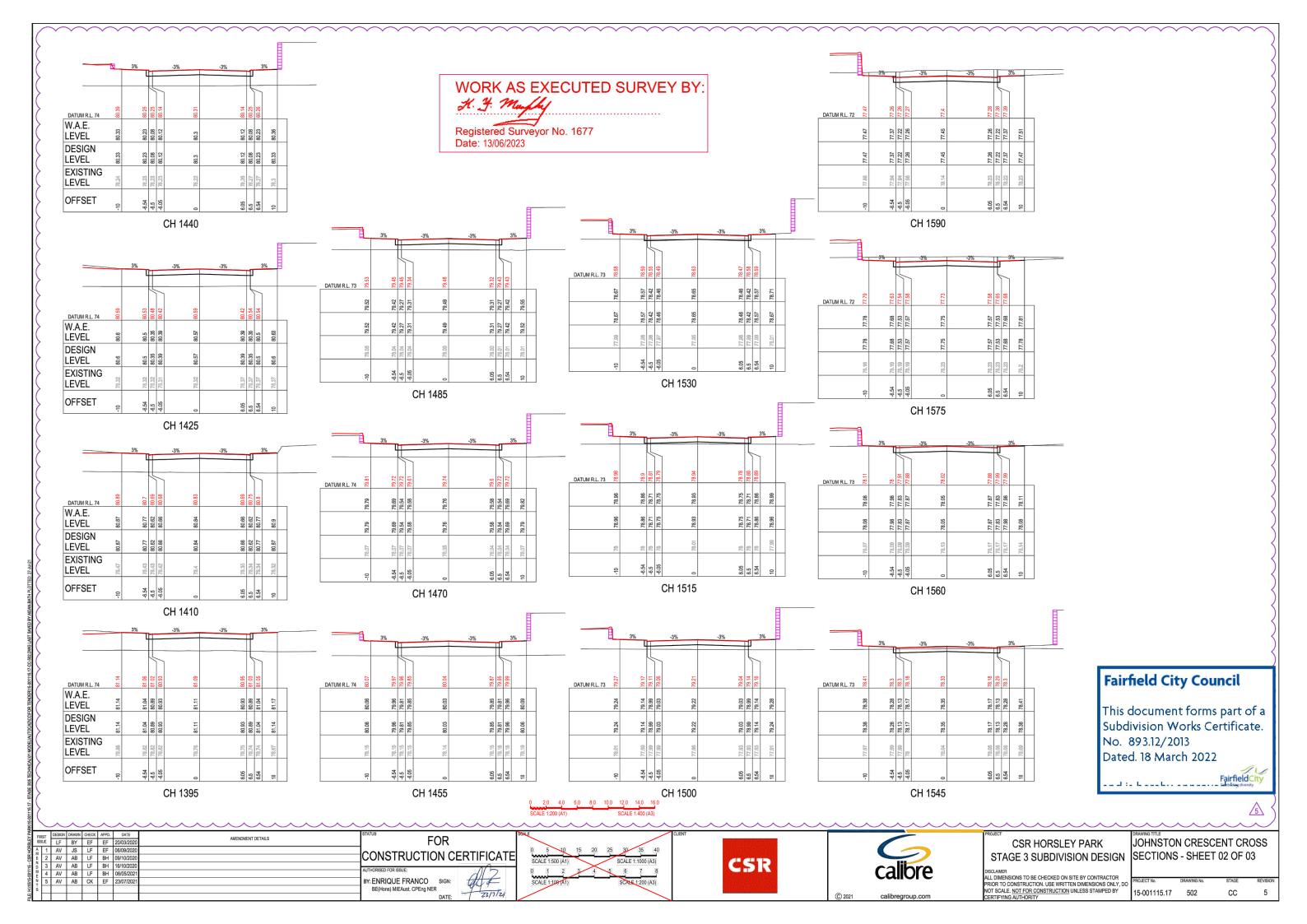


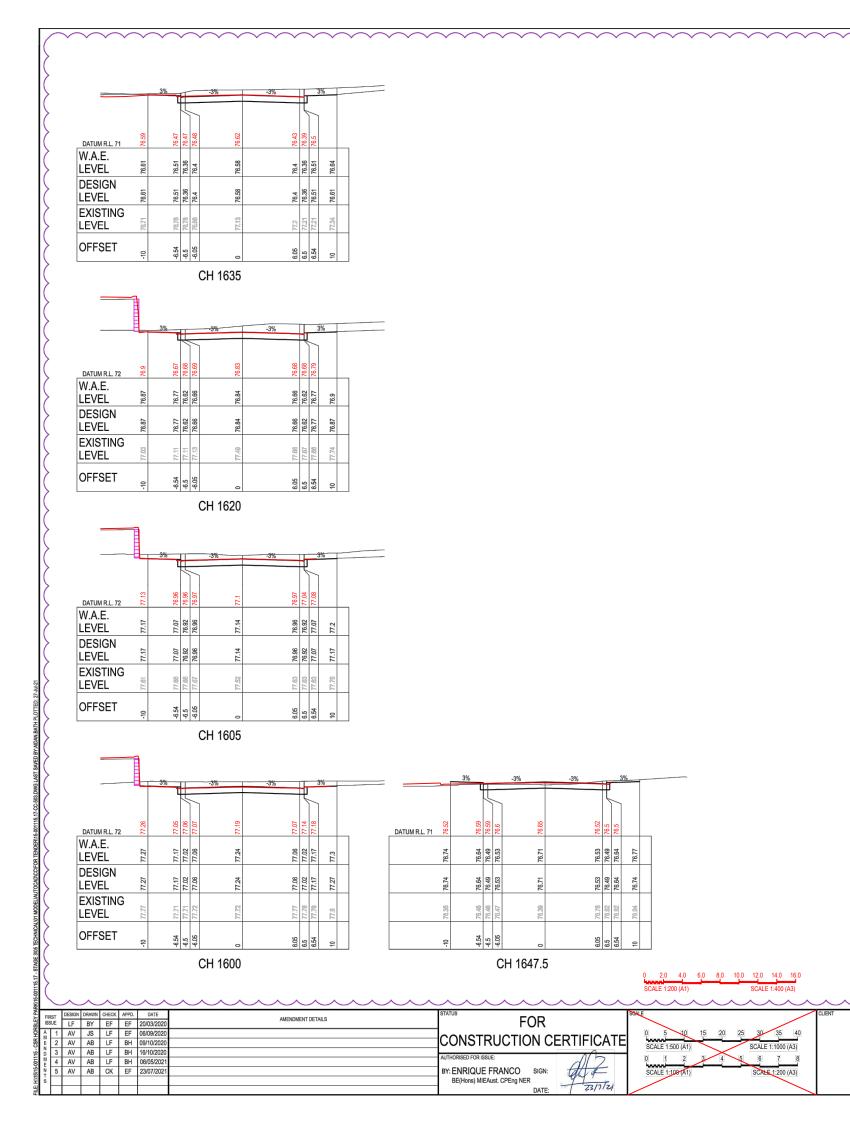












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H. J. Marphy

Registered Surveyor No. 1677 Date: 13/06/2023

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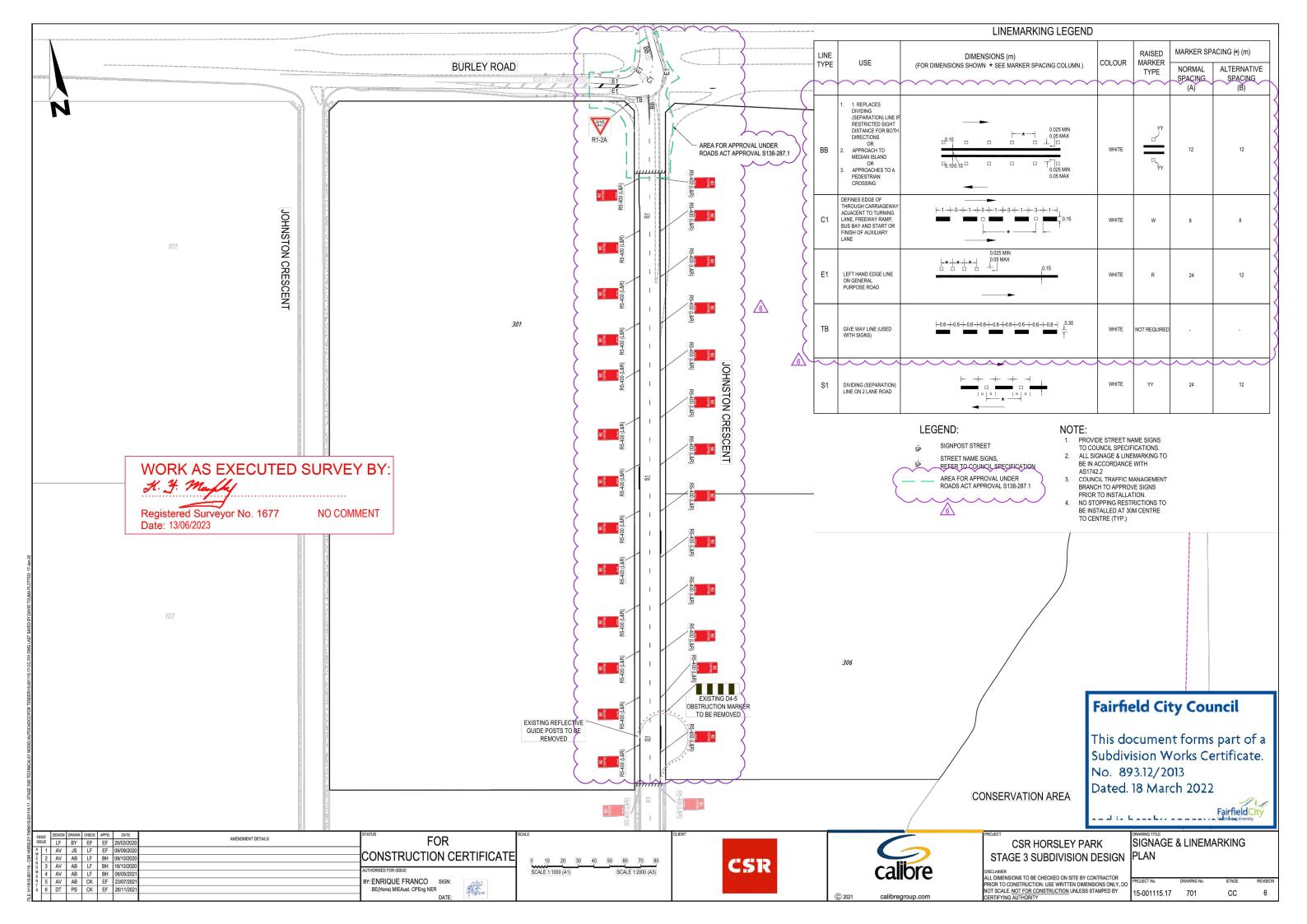
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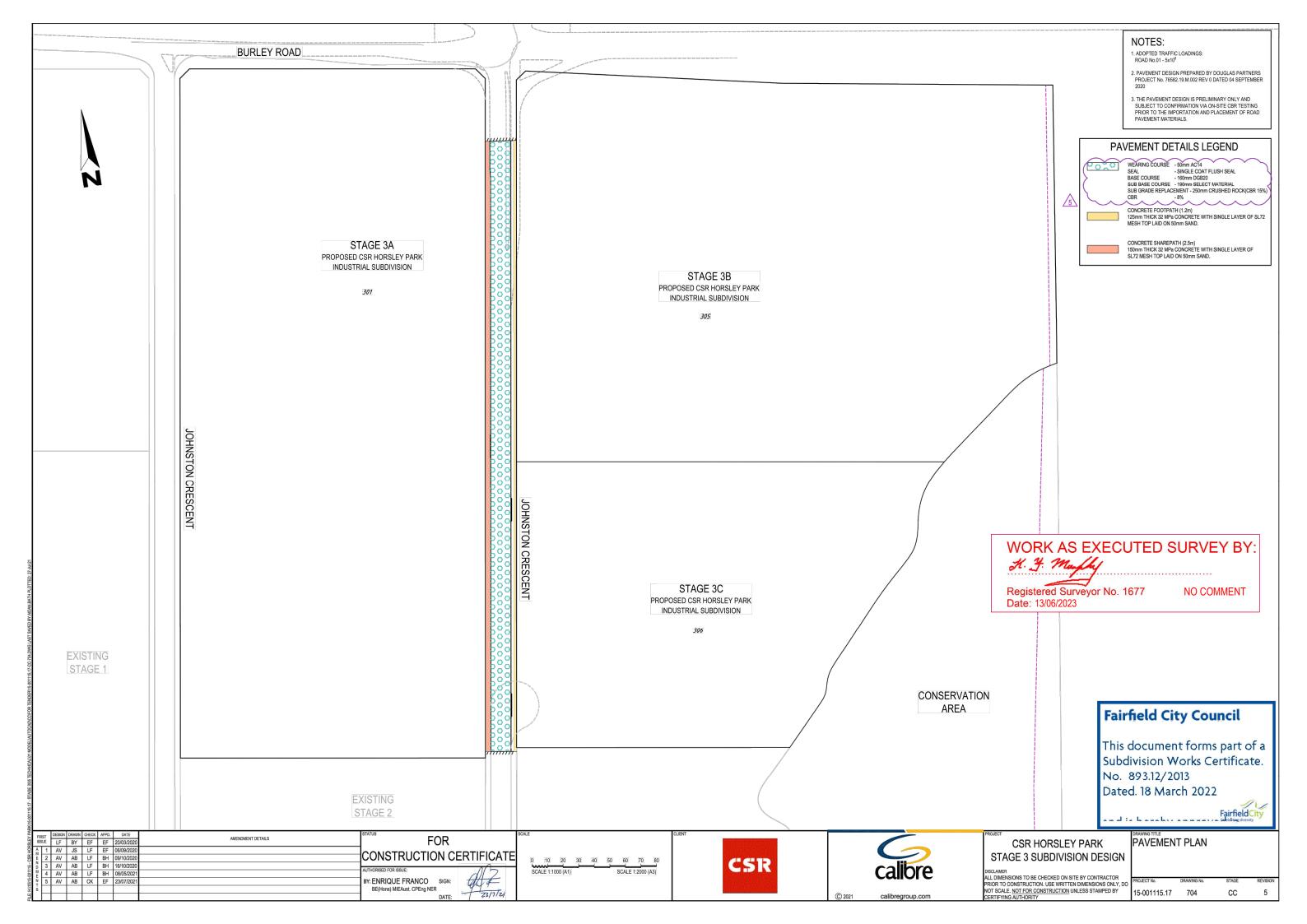
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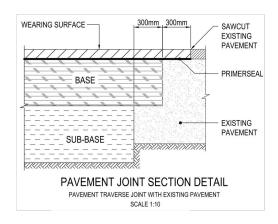
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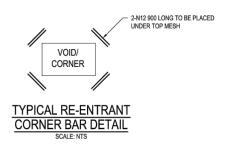
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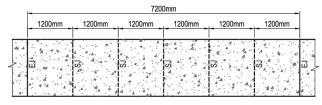
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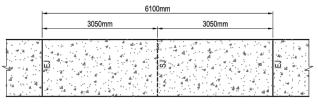




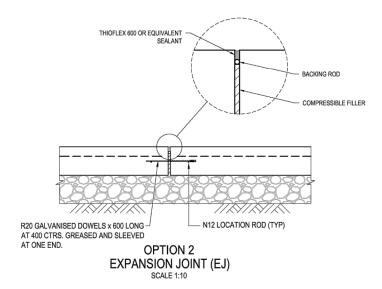


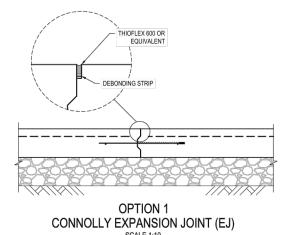


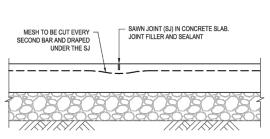
JOINTING LAYOUT CONCRETE FOOTPATH REFER FCC STANDARD DRAWING S-1 SCALE 1: 50



JOINTING LAYOUT CONCRETE SHAREPATH REFER FCC STANDARD DRAWING S-501 SCALE 1: 50







SAWN JOINT (SJ) SCALE 1:10 SCALE 1:10
SAW CUTTING TO BE COMPLETED WITHIN 24 HOURS OF PLACING CONCRETE
AT JOINT. A PROPRIETARY JOINT FORMER MAY BE USED IN LIEU OF SAW CUT IF

DETAILS ARE SUBMITTED TO ENGINEER FOR APPROVAL.

WORK AS EXECUTED SURVEY BY: NO COMMENT Registered Surveyor No. 1677 Date: 13/06/2023

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CSR HORSLEY PARK

PAVEMENT JOINTING DETAILS

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STAGE 3 SUBDIVISION DESIGN

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4	AV	AB	LF	BH	06/05/2021		AUTHORISED FOR ISSUE:
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