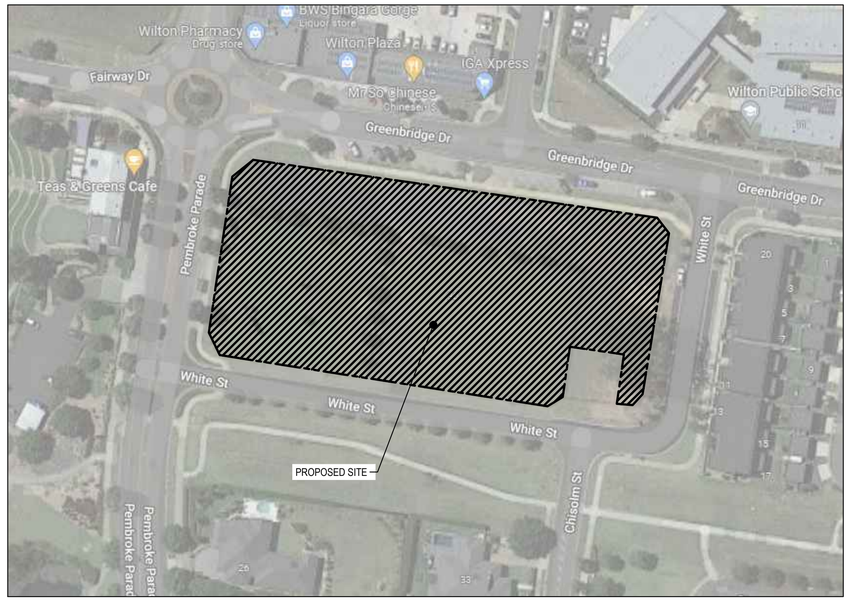
PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW
CIVIL ENGINEERING WORKS

GENERAL NOTES:

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH WOLLONDILLY SHIRE COUNCIL'S SPECIFICATION. CONTRACTOR TO OBTAIN AND RETAIN A COPY ON SITE DURING THE COURSE OF THE WORKS.
2. ALL NEW WORKS ARE TO MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS AND MARRY IN A 'WORKMANLIKE' MANNER.
3. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL SERVICES WITH EACH RELEVANT AUTHORITY. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED BY THE CONTRACTOR OR THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY OR AS DETERMINED FROM SERVICE DIAGRAMS. H & H CONSULTING ENGINEERS PTY. LTD CANNOT GUARANTEE THE INFORMATION SHOWN NOR ACCEPT ANY RESPONSIBILITY FOR INACCURACIES OR INCOMPLETE DATA.
4. SERVICES & ACCESSES TO THE EXISTING PROPERTIES ARE TO BE MAINTAINED IN WORKING ORDER AT ALL TIMES DURING CONSTRUCTION.
5. ADJUST EXISTING SERVICE COVERS TO SUIT NEW FINISHED LEVELS TO RELEVANT AUTHORITY REQUIREMENTS WHERE NECESSARY.
6. REINSTATE AND STABILISE ALL DISTURBED LANDSCAPED AREAS.
7. MINIMUM GRADE OF SUBSOIL SHALL BE 0.5% (1:200) FALL TO OUTLETS.
8. ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, EROSION AND SEDIMENTATION CONTROL PLAN AND WOLLONDILLY SHIRE COUNCIL'S REQUIREMENTS WHERE APPLICABLE.
9. CONTRACTOR TO CHECK AND CONFIRM SITE DRAINAGE CONNECTIONS ACROSS THE VERGE PRIOR TO COMMENCEMENT OF SITE DRAINAGE WORKS.
10. PROPERTIES AFFECTED BY THE WORKS ARE TO BE NOTIFIED IN ADVANCE WHERE DISRUPTION TO EXISTING ACCESS IS LIKELY.

SURVEY NOTES

1. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE SURVEYOR SPECIFIED IN THE TITLE BLOCK.
2. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. HENRY AND HYMAS PTY. LTD. DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
3. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT HENRY AND HYMAS PTY. LTD. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM ORIGINAL SURVEY DOCUMENTS.



LOCALITY SKETCH

SCALE: N.T.S.

DRAWING SCHEDULE	
21W23_D2_C000	COVER SHEET, DRAWING SCHEDULE, NOTES AND LOCALITY SKETCH
21W23_D2_C101	DETAIL PLAN - LOWER GROUND
21W23_D2_C102	DETAIL PLAN - UPPER GROUND
21W23_D2_C200	STORMWATER MISCELLANEOUS DETAILS AND PIT LID SCHEDULE
21W23_D2_C201	STORMWATER MISCELLANEOUS DETAILS
21W23_D2_C250	PRE AND POST STORMWATER CATCHMENT PLANS
21W23_D2_SE01	SEDIMENT AND EROSION CONTROL PLAN
21W23_D2_SE02	SEDIMENT AND EROSION CONTROL DETAILS
21W23_D2_BE01	BULK EARTHWORKS PLAN
21W23_D2_BE02	BULK EARTHWORKS SECTIONS - SHEET 1 OF 2
21W23_D2_BE03	BULK EARTHWORKS SECTIONS - SHEET 2 OF 2

EXISTING SERVICES & FEATURES

- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF HIS PROGRAM FOR THE RELOCATION/ CONSTRUCTION OF TEMPORARY SERVICES.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN SUPPLY TO EXISTING BUILDING REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL FROM THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
- EXISTING SERVICES, BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE EXISTING FEATURES PRIOR TO ANY DEMOLITION WORKS.
- EXISTING SERVICES UNLESS SHOWN ON SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE A 'DIAL BEFORE YOU DIG' SEARCH AND TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.

SITEWORKS NOTES

1. DATUM : A.H.D.
2. ORIGIN OF LEVELS : REFER TO BENCH OR STATE SURVEY MARKS WHERE SHOWN ON PLAN.
3. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE DIRECTIONS OF THE SUPERINTENDENT.
5. EXISTING SERVICES UNLESS SHOWN ON THE SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
6. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS ACHIEVED.
7. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
8. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER TELSTRA OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
9. CONTRACTOR TO OBTAIN AUTHORITY APPROVALS WHERE APPLICABLE.
10. MAKE SMOOTH TRANSITION TO EXISTING SURFACES AND MAKE GOOD.
11. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS
12. OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING
13. TO DEVELOPMENT AT THE SITE.
14. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN BITUMINOUS PAVING.
15. ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.
16. GRADES TO PAVEMENTS TO BE AS IMPLIED BY RL'S ON PLAN . GRADE EVENLY BETWEEN NOMINATED RL'S. AREAS EXHIBITING PONDING GREATER THAN 5mm DEPTH WILL NOT BE ACCEPTED UNLESS IN A DESIGNATED SAG POINT.
17. ALL COVERS AND GRATES ETC TO EXISTING SERVICE UTILITIES ARE TO BE ADJUSTED TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.

FOR DA ONLY

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024
01	ISSUED FOR PRELIMINARY	AFe	NW	15.07.2024

Client: COLES
Architect: NETTLETONTRIBE

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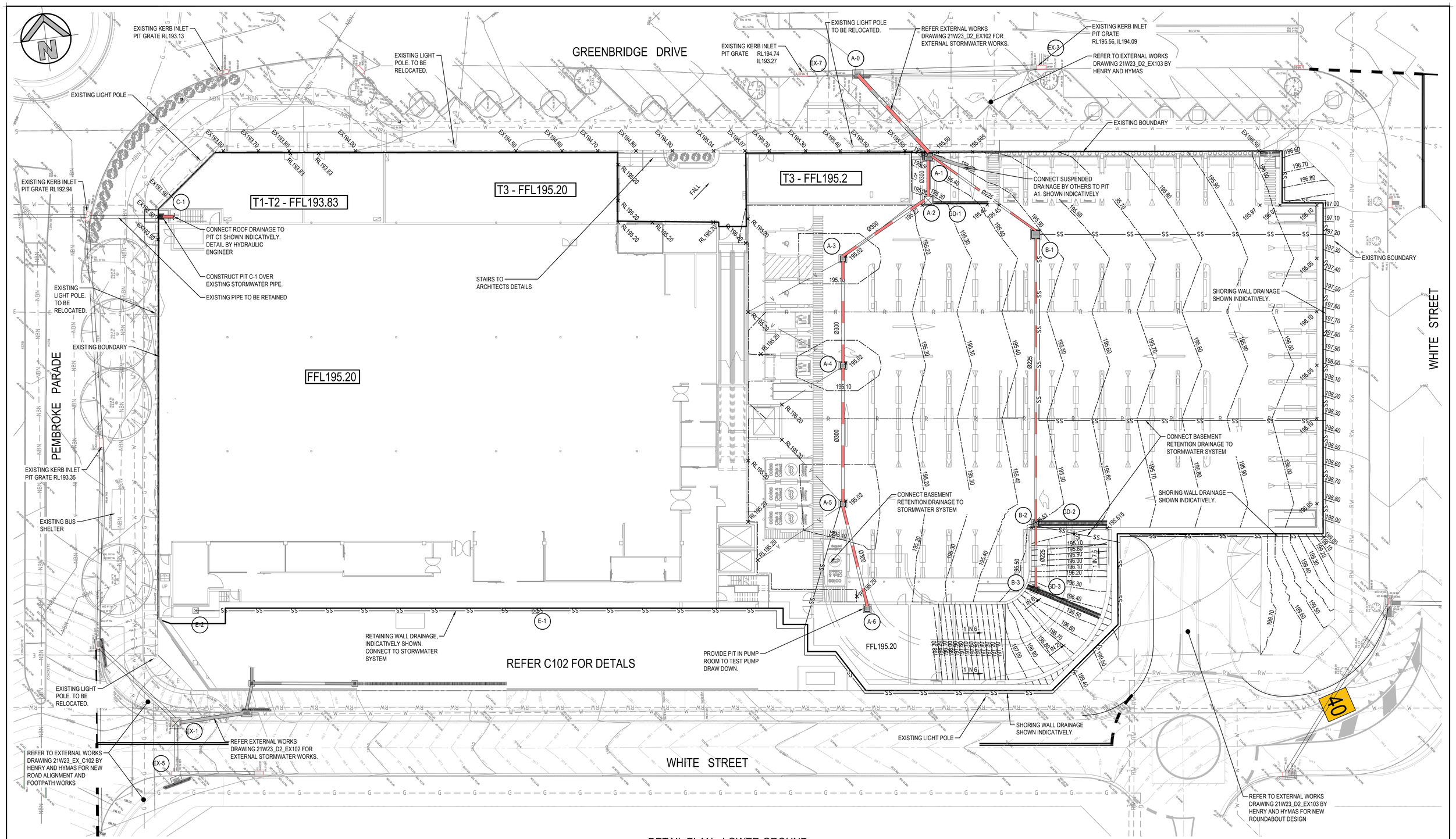
DRAWING TO BE PRINTED IN COLOUR

Project: PROPOSED COLES DEVELOPMENT 30 PEMBROKE PARADE, WILTON NSW
Title: COVER SHEET, DRAWING SCHEDULE, NOTES AND LOCALITY SKETCH

Drawn	Designed	Original issue date
M.Barrozo	N.Wetzlar	JULY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	N.T.S.

Drawing number: 21W23_D2_C000
Revision: 02



LEGEND

- EXISTING BOUNDARY
- BUILDING OUTLINE
- R — PROPOSED RIDGE LINE
- V — PROPOSED VALLEY LINE
- PROPOSED JUNCTION PITS
- PROPOSED SURFACE INLET PITS
- A-1 — LINE LETTER / PIT NUMBER — PROPOSED PIT TAG
- 40.125 Ø425RCP 20.450m 1.5% 39.818 — STORMWATER UPSTREAM INVERT RL. / STORMWATER PIPE DIAMETER & CLASS / STORMWATER PIPE LENGTH / STORMWATER PIPE GRADE / STORMWATER DOWNSTREAM INVERT RL.
- PROPOSED GRATED DRAIN
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE
- PROPOSED PERIMETER DRAINAGE
- SS — PROPOSED SUBSOIL LINE
- ROOF DRAINAGE COLLECTION LINE
- SW — EXISTING STORMWATER
- W — EXISTING WATER LINE
- E — EXISTING ELECTRICAL LINE
- G — EXISTING GAS LINE
- NBN — EXISTING NBN LINE
- S — EXISTING SEWER LINE
- RW — EXISTING RAINWATER LINE
- CRASH BARRIER
- IK — PROPOSED INTEGRAL KERB
- RW — PROPOSED RETAINING WALL
- SRW1 — PROPOSED SANDSTONE QUARRY LOT RETAINING WALL
- 194.50 — EXISTING CONTOURS
- RL199.55 — PROPOSED SPOT LEVEL
- EX198.28 — EXISTING SPOT LEVEL
- O/F — OVERLAND FLOW PATH
- DP — DOWN PIPE LOCATION (DP)
- FP — FLUSHING POINT (FP)

DETAIL PLAN - LOWER GROUND

SCALE: 1:200

0 4 8 12 16 20m

4 3 2 1

SCALE 1:200

FOR DA ONLY

SURVEY INFORMATION

SURVEYED BY C.M.S. SURVEYOR P/L

DATUM: A.H.D.

ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
03	ISSUED FOR DA	DC	NW	26.03.2025
02	ISSUED FOR PRELIMINARY	AFe	NW	12.08.2024
01	ISSUED FOR PRELIMINARY	AFe	NW	15.07.2024

Client: COLES

Architect: NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

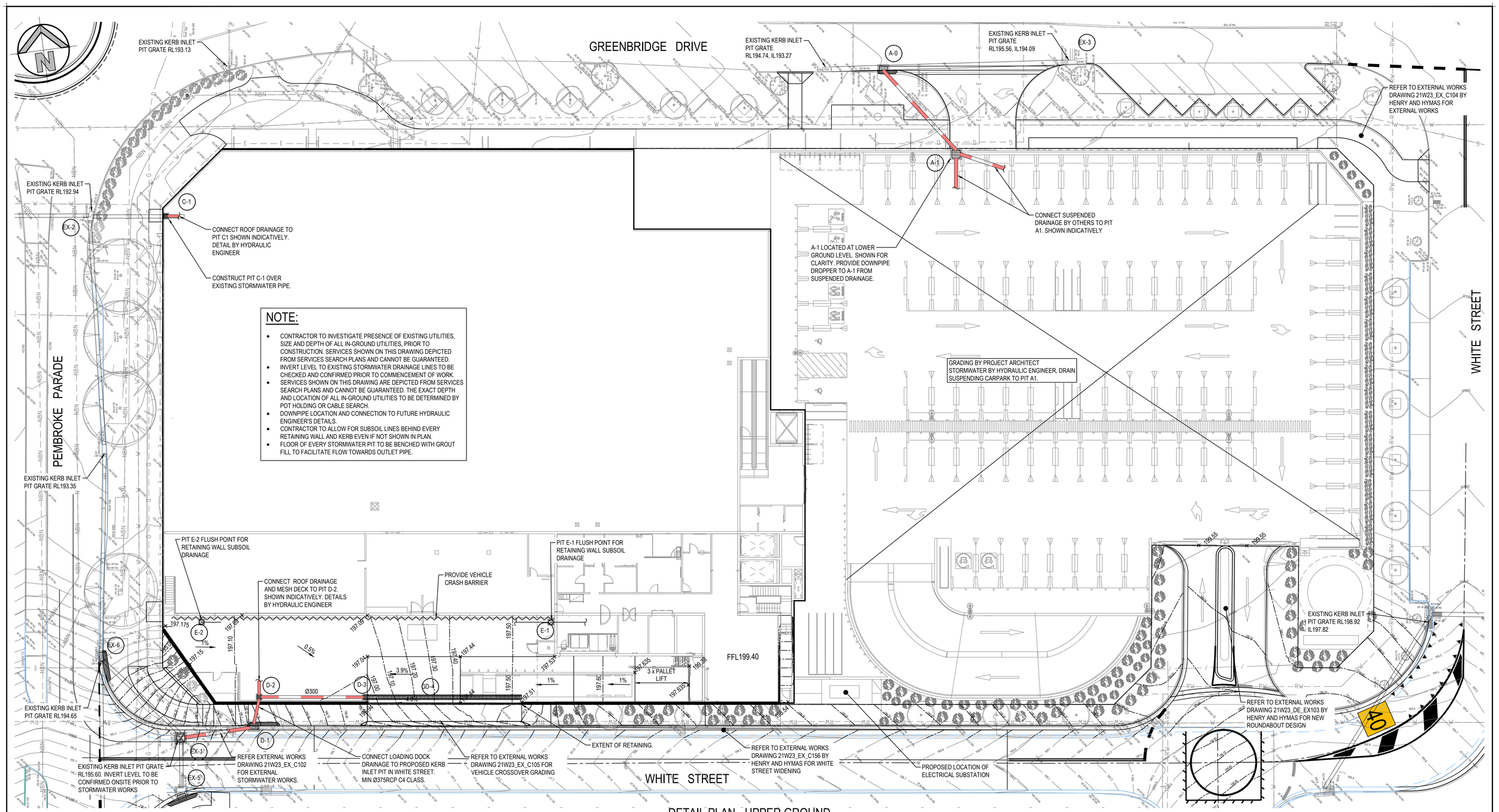
Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: DETAIL PLAN
LOWER GROUND

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	JULY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	1:200

Drawing number: 21W23_D2_C101

Revision: 03



NOTE:

- CONTRACTOR TO INVESTIGATE PRESENCE OF EXISTING UTILITIES, SIZE AND DEPTH OF ALL IN-GROUND UTILITIES, PRIOR TO CONSTRUCTION. SERVICES SHOWN ON THIS DRAWING DEPICTED FROM SERVICES SEARCH PLANS AND CANNOT BE GUARANTEED.
- INVERT LEVEL TO EXISTING STORMWATER DRAINAGE LINES TO BE CHECKED AND CONFIRMED PRIOR TO COMMENCEMENT OF WORK.
- SERVICES SHOWN ON THIS DRAWING ARE DEPICTED FROM SERVICES SEARCH PLANS AND CANNOT BE GUARANTEED. THE EXACT DEPTH AND LOCATION OF ALL IN-GROUND UTILITIES TO BE DETERMINED BY POT HOLDING OR CABLE SEARCH.
- DOWNPIPE LOCATION AND CONNECTION TO FUTURE HYDRAULIC ENGINEER'S DETAILS.
- CONTRACTOR TO ALLOW FOR SUBSOIL LINES BEHIND EVERY RETAINING WALL AND KERB EVEN IF NOT SHOWN IN PLAN.
- FLOOR OF EVERY STORMWATER PIT TO BE BENCHED WITH GROUT FILL TO FACILITATE FLOW TOWARDS OUTLET PIPE.

DETAIL PLAN - UPPER GROUND

SCALE: 1:200

LEGEND

- EXISTING BOUNDARY
- BUILDING OUTLINE
- R — PROPOSED RIDGE LINE
- V — PROPOSED VALLEY LINE
- PROPOSED JUNCTION PITS
- PROPOSED SURFACE INLET PITS
- A-1 — LINE LETTER / PIT NUMBER — PROPOSED PIT TAG
- 40.125 — STORMWATER UPSTREAM INVERT RL.
- Ø425RCP — STORMWATER PIPE DIAMETER & CLASS
- 20.450m — STORMWATER PIPE LENGTH
- 1.5% — STORMWATER PIPE GRADE
- 39.818 — STORMWATER DOWNSTREAM INVERT RL.
- PROPOSED GRATED DRAIN
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE
- SS — PROPOSED SUBSOIL LINE
- ROOF DRAINAGE COLLECTION LINE
- SW — EXISTING STORMWATER
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- RW — EXISTING RAINWATER LINE
- CRASH BARRIER
- IK — PROPOSED INTEGRAL KERB
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- DP — DOWN PIPE LOCATION (DP)
- FP — FLUSHING POINT (FP)

0 4 8 12 16 20m

4 3 2 1

SCALE 1:200

FOR DA ONLY

SURVEY INFORMATION

SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
03	ISSUED FOR DA	DC	NW	26.03.2025					
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024					
01	ISSUED FOR PRELIMINARY	AFe	NW	15.07.2024					

Client: COLES

Architect: NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: DETAIL PLAN
UPPER GROUND

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	JULY 2024
Checked	**Approved**	**Scale @A1**
N.Wetzlar	A.Francis	1:200

Drawing number: 21W23_D2_C102

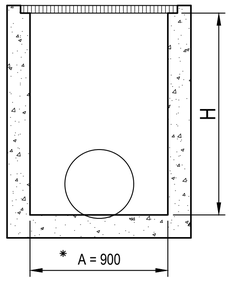
Revision: 03

TYPICAL PIT CHAMBER SIZES

IT IS THE CONTRACTORS RESPONSIBILITY TO SELECT PIT CHAMBER SIZE WITH REGARDS TO PIPE SIZE, DEPTH TO INVERT AND SKEW ANGLE. REFER SKETCHES BELOW.

1. SELECT PIT CHAMBER USING THE STEPS BELOW:
2. SELECT PIT CHAMBER SIZE DEPENDING ON THE PIPE DIAMETERS.
3. CHECK PIT CHAMBER SIZE TO SATISFY DEPTH TO INVERT REQUIREMENTS.
   CHECK PIT CHAMBER DIMENSIONS TO SATISFY THE SKEW ANGLE IN THE TABLE.

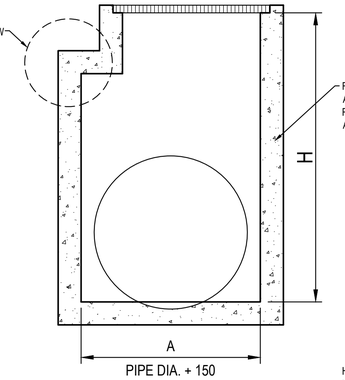
FOR B = 600mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 225mm
FOR B = 900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 375mm
FOR B = 1200mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 600mm
FOR B = 1500mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 825mm
FOR B = 1900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 1050mm



SECTION
NTS

*A = 600 FOR PIPES UP TO 375 DIA.

1 PIT CHAMBER DIMENSIONS FOR PIPES UP TO 600 DIA.

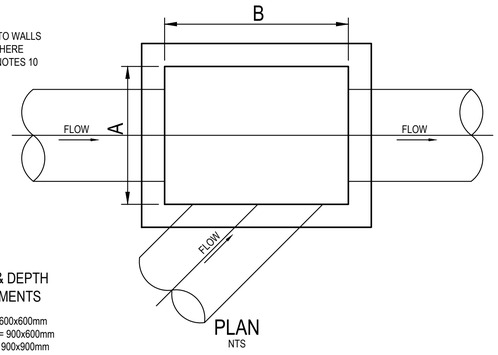


PIPE DIA. + 150
SECTION
NTS

1 PIT CHAMBER FOR PIPES GREATER THAN 600 DIA.

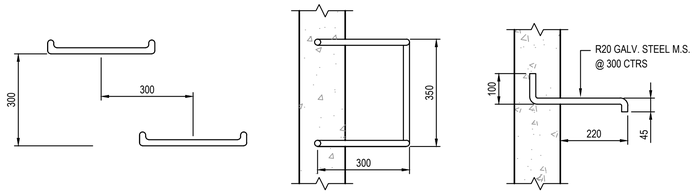
2 PIT SIZE & DEPTH REQUIREMENTS

H = 0-900mm - AxB = 600x600mm
H = 900-1200mm - AxB = 900x600mm
H = >1200mm - AxB = 900x900mm



PLAN
NTS

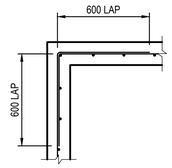
3 PIT CHAMBER FOR SIDE ENTRY ON SKEW



ELEVATION PLAN SECTION

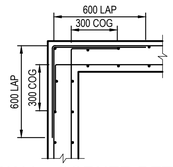
TYPICAL STEP IRON DETAIL

SCALE 1:10



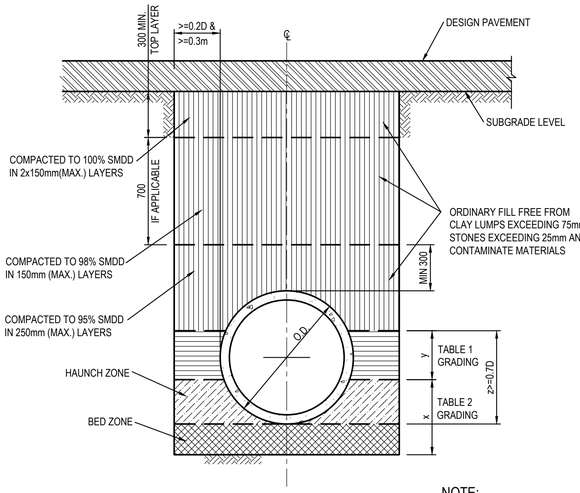
150 WALL - CORNER DETAIL

SCALE 1:20



200 WALL - CORNER DETAIL

SCALE 1:20

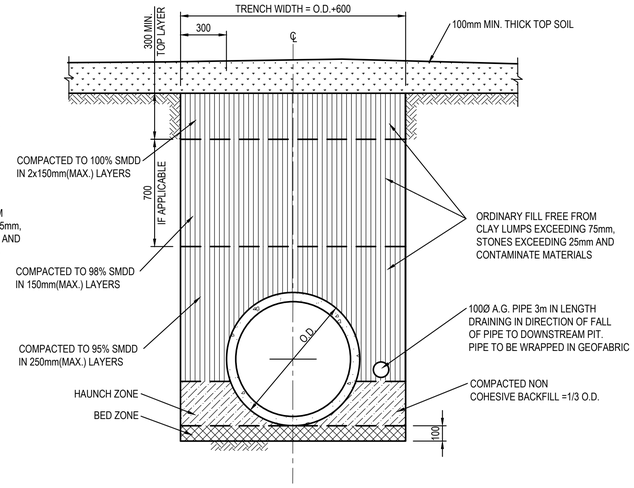


PIPE TRENCH INSTALLATION BENEATH PAVEMENT

(HS SUPPORT TO BE USED UNDER ROADWAY)

SCALE 1:20

NOTE:
TYPE HS2 TO BE USED AS A TYPICAL SUPPORT FOR TRENCHES UNDER ROADWAY UNLESS SPECIFIED SEPERATELY



PIPE TRENCH INSTALLATION IN LANDSCAPE AREAS

(H1 & H2 SUPPORT)

SCALE 1:20

TABLE 1	
SIEVE SIZE (MM)	WEIGHT PASSING (%)
75.0	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

TABLE 2	
SIEVE SIZE (MM)	WEIGHT PASSING (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

TABLE 3				
SUPPORT TYPE	BED ZONE X	HAUNCH ZONE Y	BED AND HAUNCH ZONES COMPACTION	MAX BEDDING FACTOR
HS1	100 IF D<=1500, OR 150 IF D>=1500	0.1D	50	2.0
HS2		0.3D	60	2.5
HS3		0.3D	70	4.0

PIT LID SCHEDULE

PIT/STRUCTURE NUMBER	DESCRIPTION
A-1 B-1 D-2 D-3	INLET PIT WITH 900x900 HINGED HEAVY DUTY HEELSAFE GRATED LID CLASS "D" IN ACCORDANCE WITH WOLLONDILLY COUNCIL'S REQUIREMENTS.
A-2 C-1	INLET PIT WITH 900x900 HINGED HEAVY DUTY GRATED LID CLASS "D" IN ACCORDANCE WITH WOLLONDILLY COUNCIL'S REQUIREMENTS.
A-3 A-4 A-5 A-6 B-2 B-3	INLET PIT WITH 600x600 HINGED MEDIUM DUTY HEELSAFE GRATED LID CLASS "C" IN ACCORDANCE WITH LOCAL'S WOLLONDILLY COUNCIL'S REQUIREMENTS.
E-1 E-2	HIDDEN JUNCTION PITS TO FACILITATE SUBSOIL SYSTEM MAINTENANCE. FINISH TO ARCHITECT'S SPECIFICATIONS.
EX-1	EXISTING PITS TO BE MODIFIED. REFER NOTES ON PLAN.
EX-2 EX-3 EX-4 EX-5 EX-6 EX-7	EXISTING PITS TO REMAIN, REFER TO NOTES ON DRAWINGS
GD-1 GD-2 GD-3 GD-4	300mm HEAVY DUTY GRATED DRAIN WITH HEAVY DUTY FRAME CLASS "D" IN ACCORDANCE WITH WOLLONDILLY COUNCIL'S REQUIREMENTS.
D-1 A-0	1.8M LONG LINTEL KERB INLET PIT IN ACCORDANCE WITH WOLLONDILLY COUNCIL'S REQUIREMENTS. PROVIDE HEAVY DUTY FRAME CLASS "D" GRATE.

DRAINAGE NOTES:

1. ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.

3. PROTECTION OF PIPES DUE TO LOADS EXCEEDING W7 WHEEL LOAD SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

4. BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS. REFER TO THIS DRAWING FOR DETAILS.

5. MINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm.

6. NO CONSTRUCTION LOADS SHALL BE APPLIED TO PLASTIC PIPES.

7. FINISHED SURFACE LEVELS SHOWN ON LAYOUT PLAN DRGS TAKE PRECEDENCE OVER DESIGN DRAINAGE SURFACE LEVELS.

8. ALL PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SOLVENT OR RUBBER RING JOINTED PVC CLASS SH PIPE TO AS1260. ALL OTHER PIPES TO BE RCP USING CLASS 2 RUBBER RING JOINTED PIPE. HARDIES FRC PIPE MAY BE USED IN LIEU OF RCP IF DESIRED IN GROUND. ALL AERIAL PIPES TO BE PVC CLASS SH.

9. ALL PITS IN NON TRAFFICABLE AREAS TO BE PREFABRICATED POLYESTER CONCRETE "POLYCRETE" WITH "LIGHT DUTY" CLASS B GALV. MILD STEEL GRATING AND FRAME.
ALL PITS IN TRAFFICABLE AREAS (CLASS "D" LOADING MAX) TO HAVE 150mm THICK CONCRETE WALLS AND BASE CAST IN-SITU fc=32 MPa, REINFORCED WITH N12-200 BOTH LOADING WAYS CENTRALLY PLACE .U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. GALV MILD STEEL GRATING AND FRAME TO SUIT DESIGN LOADING. PRECAST PITS, RECTANGULAR OR CIRCULAR IN SHAPE, MAY BE USED IN LIEU AND SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.

10. ALL PITS, GRATINGS AND FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND TO BE IN ACCORDANCE WITH AS3500.3 AND AS3996.
11. PIT CHAMBER DIMENSIONS ARE TO BE SELECTED TO SATISFY THE FOLLOWING:
- PIPE SIZE
- DEPTH TO INVERT
- SKEW ANGLE
  REFER TYPICAL PIT CHAMBER DETAILS BELOW
IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.

12. FOR PIPE SIZES GREATER THAN Ø300mm, PIT FLOOR IS TO BE BENCHED TO FACILITATE FLOW.

13. GALVANISED STEP IRONS SHALL BE PROVIDED AT 300 CTS FOR PITS HAVING A DEPTH EXCEEDING 1200mm. SUBSOIL DRAINAGE PIPE SHALL BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES. (MINIMUM LENGTH 3m).

14. ALL SUBSOIL PIPES SHALL BE 100mm SLOTTED PVC IN A FILTER SOCK, UNO, WITH 3m INSTALLED UPSTREAM OF ALL PITS.

15. ALL PIPEWORK SHALL HAVE MINIMUM DIAMETER 100.

16. MINIMUM GRADE FOR ROOFWATER DRAINAGE LINES SHALL BE 1%.

17. ALL PIPE JUNCTIONS AND TAPER UP TO AND INCLUDING 300 DIA. SHALL BE VIA PURPOSE MADE FITTINGS.

18. ALL ROOF DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH AS3500, PART 3. TESTING TO BE UNDERTAKEN AND REPORTS PROVIDED TO THE SUPERINTENDENT.

19. LOCATION OF THE DIRECT DOWN PIPE CONNECTIONS MAY VARY ON SITE TO SUIT SITE CONDITIONS, WHERE CONNECTION SHOWN ON LONG SECTIONS CHAINAGES ARE INDICATIVE ONLY.

20. PITS IN EXCESS OF 1.5 m DEEP TO HAVE WALL AND FLOOR THICKNESS INCREASED TO 200mm. REINFORCED WITH N12@200 CTS CENTRALLY PLACED BOTH WAYS THROUGHOUT U.N.O.ON SEPARATE DESIGN DRAWINGS IN THIS SET. IF DEPTH EXCEEDS 5m CONTACT ENGINEER.

21. SUBSOIL DRAINAGE LINES FOR LANDSCAPE AREA NOT SHOWN ON THESE DRAWINGS. REFER TO LANDSCAPING PLANS FOR DETAILS.

22. ALL STORMWATER PITS TO HAVE Ø100 uPVC SLOTTED SUBSOIL PIPES CONNECTED TO THEM. THESE SUBSOILS TO EXTEND 3m UPSTREAM OF THE PIT AT A MINIMUM GRADE.

FOR DA ONLY

0 400 800 1200 1600 2000mm
400 200
SCALE 1:20

0 200 400 600 800 1000mm
200 100
SCALE 1:10

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024					
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Client: COLES
Architect: NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: STORMWATER MISCELLANEOUS DETAILS AND PIT LID SCHEDULE

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	JULY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	AS NOTED

Drawing number: 21W23_D2_C200
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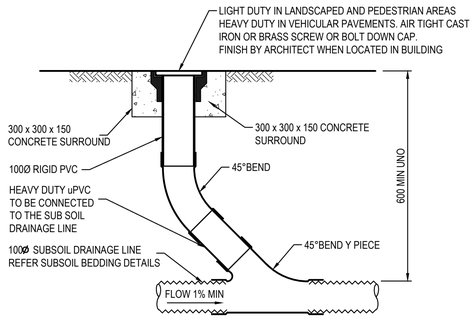
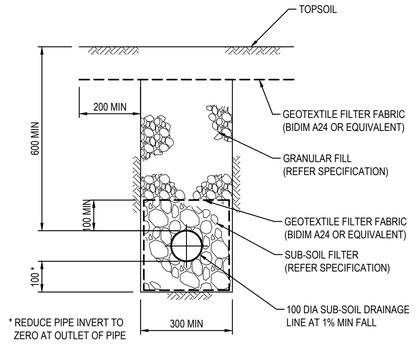


INTERMEDIATE RISER (IR)

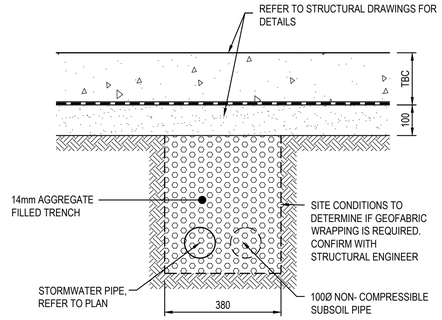
SCALE 1:10

NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



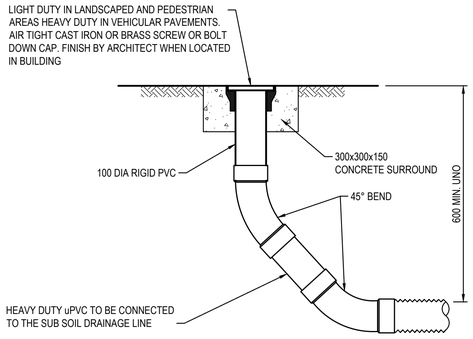
SUB-SOIL IN LANDSCAPED AREAS

SCALE 1:10



TYPICAL BASEMENT DRAINAGE DETAIL

SCALE: 1:10



FLUSHING POINT (FP)

SCALE 1:10

NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED

SUBSOIL DRAINAGE NOTES

1. GENERALY PROVIDE SUBSOIL DRAINS TO INTERCEPT GROUNDWATER SEEPAGE AND PREVENT WATER BUILD-UP BEHIND WALLS AND UNDER FLOORS AND PAVEMENTS. CONNECT SUBSOIL TO SURFACE DRAINS OR TO THE STORMWATER DRAINAGE SYSTEM AS APPLICABLE.

2. PIPE DEPTH:
PROVIDE THE FOLLOWING MINIMUM CLEAR DEPTH, MEASURED TO THE CROWN OF THE PIPE, WHERE THE PIPE PASSES BELOW THE FOLLOWING ELEMENTS:

- 100mm BELOW FORMATION LEVEL OF THE PAVEMENT, KERB OR CHANNEL.
- 100mm BELOW THE AVERAGE GRADIENT OF THE BOTTOM OF FOOTINGS.

3. JOINTING:
AT JUNCTIONS OF SUBSOIL PIPES PROVIDE TEES, COUPLINGS OR ADAPTORS TO AS2439.1.

4. TRENCH WIDTH MINIMUM 300mm.

5. PIPE UNDERLAY
GENERAL: GRADE THE TRENCH FLOOR EVENLY TO THE GRADIENT OF THE PIPELINE. IF THE TRENCH FLOOR IS ROCK, CORRECT ANY IRREGULARITIES WITH COMPACTED BEDDING MATERIAL. BED PIPING ON A CONTINUOUS UNDERLAY OF BEDDING MATERIAL, AT LEAST 75mm THICK AFTER COMPACTION. LAY THE PIPE WITH ONE LINE OF PERFORATIONS AT THE BOTTOM.

CHASES: IF NECESSARY TO PREVENT PROJECTIONS SUCH AS SOCKETS AND FLANGES FROM BEARING ON THE TRENCH BOTTOM OR UNDERLAY.

6. PIPE SURROUNDS:
GENERAL: PLACE THE MATERIAL IN THE PIPE SURROUND IN LAYERS SMALLER THAN OR EQUAL TO 200mm LOOSE THICKNESS, AND COMPACT WITHOUT DAMAGING OR DISPLACING PIPING.
DEPTH OF OVERLAY: TO THE UNDERSIDE OF THE BASE OF OVERLYING STRUCTURES SUCH AS PAVEMENTS, SLABS AND CHANNELS TO WITHIN 150mm OF THE FINISHED SURFACE OF UNPAVED OR LANDSCAPED AREAS.

7. FILTER SOCKS:
PROVIDE POLYESTER PERMEABLE SOCKS CAPABLE OF RETAINING PARTICLES OF 0.25mm SIZES. SECURELY FIT OR JOIN THE SOCK AT EACH JOINT.

0 400 800 1200 1600 2000mm
400 200
SCALE 1:20

0 200 400 600 800 1000mm
200 100
SCALE 1:10

FOR DA ONLY

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

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02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024					
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Client: COLES

Architect: NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: STORMWATER MISCELLANEOUS DETAILS

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	JULY 2024
Checked	**Approved**	**Scale @A1**
N.Wetzlar	A.Francis	AS NOTED

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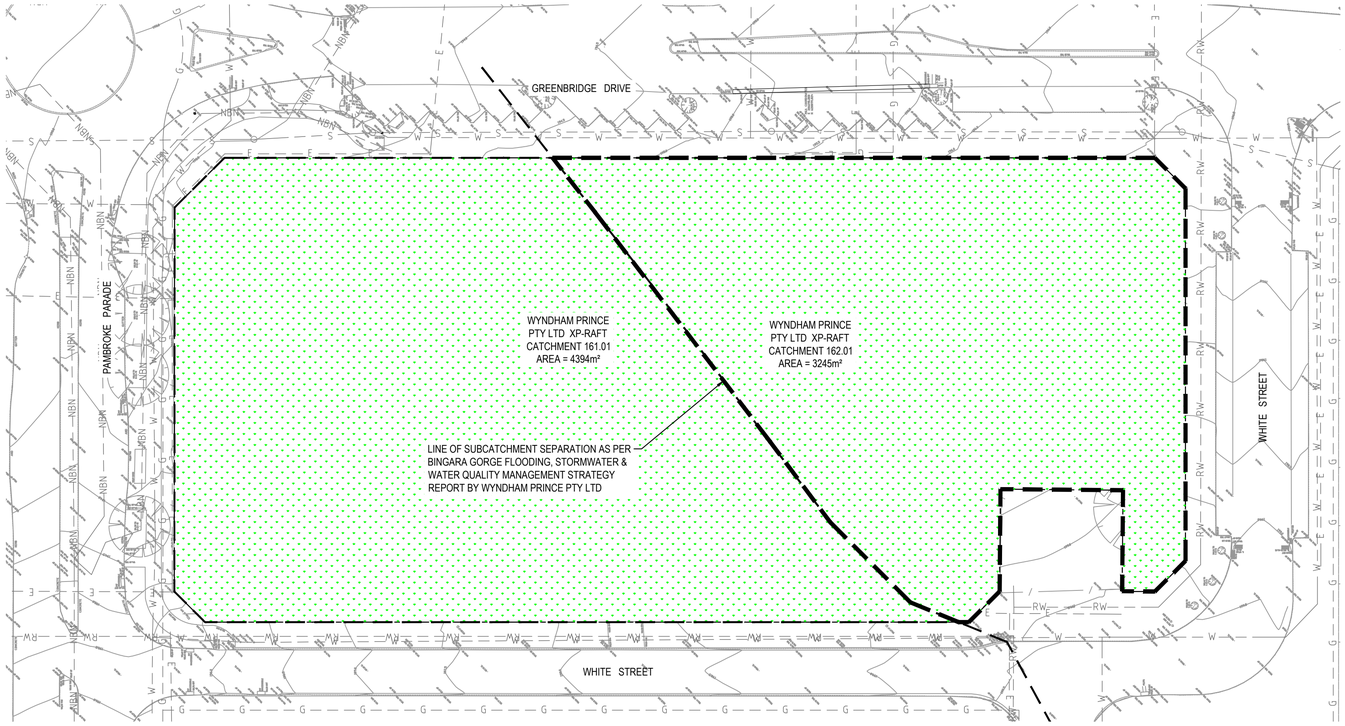
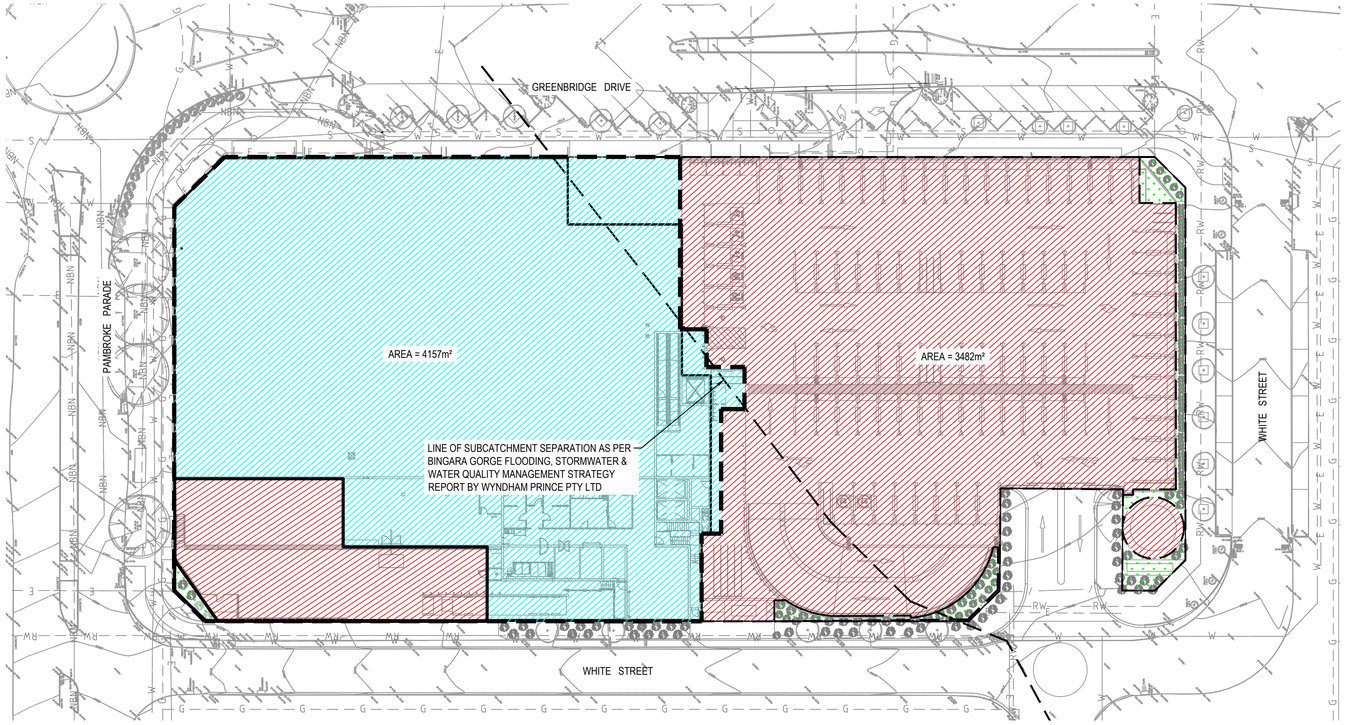


PRE-STORMWATER CATCHMENT PLAN

SCALE: 1:400



POST-STORMWATER CATCHMENT PLAN

SCALE: 1:400

0 8 16 24 32 40m

8 6 4 2

SCALE 1:400

PRE-DEVELOPMENT TOTAL SITE AREA: 7639 m²

LANDSCAPE AREA
AREA = 7639 m² (100%)

ROOF AREA
AREA = 0 m² (0%)

HARDSTAND AREA
AREA = 0 m² (0%)

STORMWATER DETENTION

ON-SITE STORMWATER DETENTION (OSD) HAS BEEN PROVIDED DOWNSTREAM OF THE SITE IN THE FORM OF A COMMUNAL OSD BASIN, AS DESCRIBED IN THE BINGARA GORGE FLOODING, STORMWATER & WATER QUALITY MANAGEMENT STRATEGY REPORT BY WYNDHAM PRINCE PTY LTD (NOVEMBER 2015).
AS PER FIGURE 8.2, THE SUBJECT SITE IS INCLUDED AS PART OF TWO CATCHMENTS AREAS, NAMELY CATCHMENT 162.01 AND CATCHMENT 161.01 OF THE REPORT. THE DIVISION OF THE SITE CATCHMENT HAS BEEN APPROXIMATELY MAINTAINED BY DISCHARGING THE FLOWS PRODUCED BY THE PROPOSED DEVELOPMENT AT MULTIPLE LOCATIONS.

WITH THE SUBJECT SITE'S OSD REQUIREMENT SATISFIED BY THE DOWNSTREAM COMMUNAL OSD BASIN, NO ADDITIONAL OSD STORAGE WILL BE REQUIRED FOR THE SUBJECT DEVELOPMENT.
THIS HAS BEEN CONFIRMED BY SUBDIVISION ENGINEER SABINA LOHANI ON BEHALF OF J. WYNDHAM PRINCE CONSULTING ENGINEERS THROUGH A REVIEW LETTER DATED 8 DECEMBER 2022. THE REVIEW CONFIRMS THAT THE ON-SITE DETENTION REQUIREMENTS PER THE COUNCIL DESIGN SPECIFICATIONS AND DCP 2016 FOR THIS SITE ARE CONSIDERED NOT NECESSARY AS THE FLOW RATE AND DETENTION REQUIREMENTS HAVE BEEN SATISFIED THROUGH THE EXISTING RETENTION AND REUSE SYSTEM WITHIN BINGARA GORGE.

STORMWATER QUALITY

SIMILARLY WITH OSD, WATER QUALITY TREATMENT MEASURES HAVE BEEN PROVIDED DOWNSTREAM OF THE SITE IN THE FORM OF PONDS, RAINWATER TANKS, BIO-RETENTION BASINS AND GROSS POLLUTANT TRAPS, AS DESCRIBED IN THE BINGARA GORGE FLOODING, STORMWATER & WATER QUALITY MANAGEMENT STRATEGY REPORT BY WYNDHAM PRINCE PTY LTD (NOVEMBER 2015). AS PER FIGURE 7.1 OF THE REPORT, THE SUBJECT SITE IS INCLUDED WITHIN CATCHMENT 'Q' DIRECTED TO STORAGE TANK P7 FOR RE-USE WITHIN THE SUBDIVISION. STORMWATER OVERFLOW FROM THE STORMWATER TANK WILL DRAIN TO FURTHER ON-SITE DETENTION (OSD) STORAGE BASINS PROVIDED FOR CATCHMENT Q.

WATER QUALITY MEASURES HAVE BEEN PROVIDED FOR ALL SUB-CATCHMENTS (INCLUDING CATCHMENT Q), MEETING ALL REMOVAL RATE TARGETS TO COMPLY WITH THE BINGARA GEORGE MASTERPLAN AND WOLLONDILLY SHIRE COUNCIL DCP.
AS THE DEVELOPED SITE HAS ALREADY BEEN INCLUDED IN THE WATER QUALITY TREATMENT SCHEME FOR THE BINGARA GORGE MASTERPLAN, NO FURTHER STORMWATER QUALITY MEASURES ARE DEEMED NECESSARY TO COMPLY WITH COUNCIL'S DCP.

POST-DEVELOPMENT TOTAL SITE AREA: 7639 m²

ROOF AREA
AREA =3576m² (46.8%)

LANDSCAPE AREA
AREA = 186 m² (2.5%)

HARDSTAND/
IMPERVIOUS AREA
AREA = 3877 m² (50.7%)

FOR DA ONLY

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

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Client
COLES

Architect
nettletontribe

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

Project
PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title
PRE AND POST STORMWATER
CATCHMENT PLANS

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	JULY 2024
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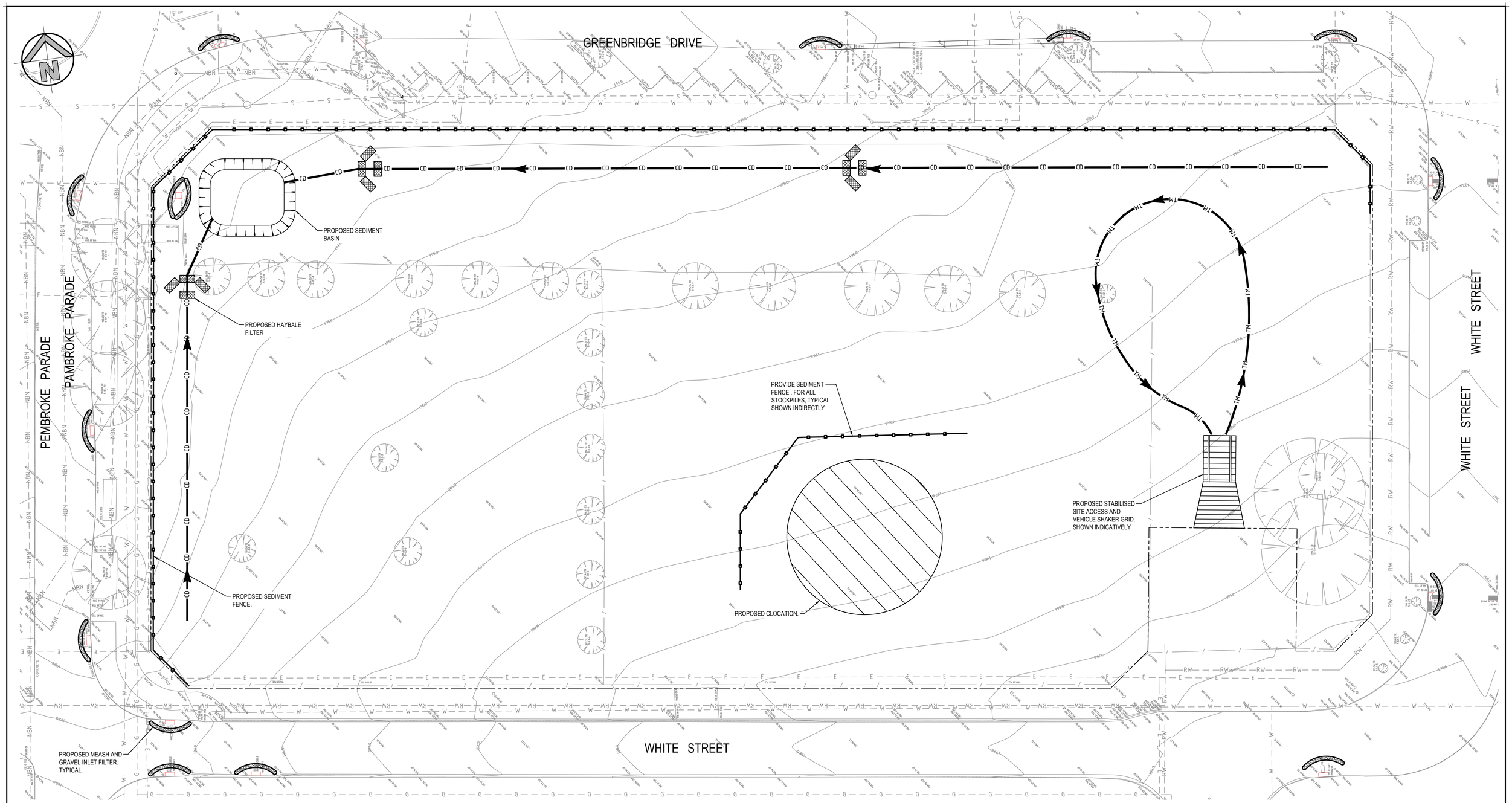
N.Wetzlar	A.Francis	1:400

Drawing number 21W23_D2_C250

Revision 03



SEDIMENT AND EROSION CONTROL PLAN

SCALE: 1:200

LEGEND

- EXISTING BOUNDARY
- PROPOSED SEDIMENTATION FENCE
- TM — TM — TRAFFIC MANOEUVRING
- CD — CD — CATCH DIVERSION DRAIN
- PROPOSED HAYBALE FILTER
- PROPOSED MESH AND GRAVEL INLET FILTER
- PROPOSED STABILISED SITE ACCESS
- PROPOSED VEHICLE SHAKER GRID
- PROPOSED STOCKPILE LOCATION
- PROPOSED SEDIMENT BASIN

0 4 8 12 16 20m

4 3 2 1

SCALE 1:200

FOR DA ONLY

SURVEY INFORMATION

SURVEYED BY C.M.S. SURVEYOR P/L

DATUM: A.H.D.

ORIGIN OF LEVELS: SSM 16511 RL 193.229

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01	ISSUED FOR PRELIMINARY	AFe	NW	15.07.2024					

Client: COLES

Architect: NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: SEDIMENT AND EROSION CONTROL PLAN

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	JULY 2024
Checked	**Approved**	**Scale @A1**
N.Wetzlar	A.Francis	1:200

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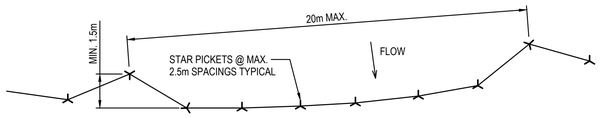
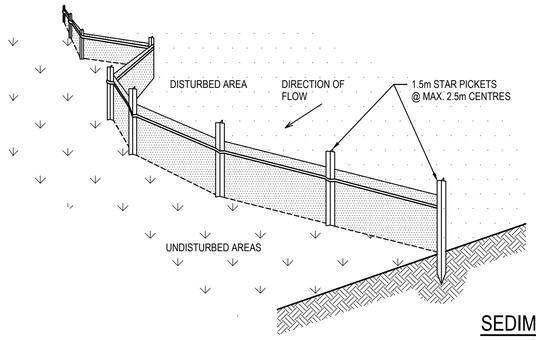
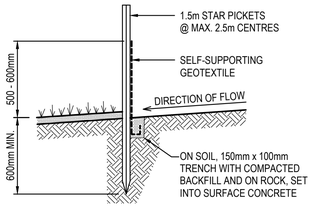
Revision: 02



PLAN





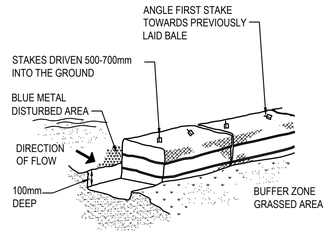
SECTION DETAIL

SEDIMENT FENCE

SCALE N.T.S.

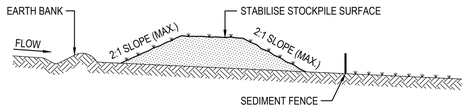
SEDIMENT FENCE CONSTRUCTION NOTES:

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 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND @ 2.5m 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.
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 GEOTEXTILE.



HAYBALE BARRIERS

SCALE: N.T.S.

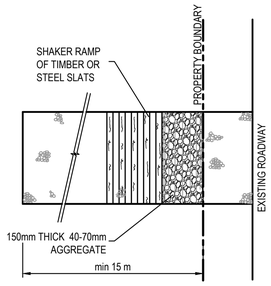


STOCKPILE CONSTRUCTION NOTES:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. 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.

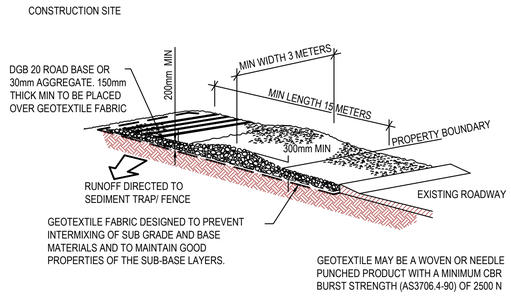
STOCKPILES

SCALE N.T.S.



PLAN
STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.



STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.

NOTES:

1. THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
2. THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
3. ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
4. ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY "HUMES CONCRETE MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY.

SEDIMENT BASIN SIZING

1. THE SEDIMENT BASIN SHALL BE CONSTRUCTED ON A RATE PER HECTARE BASIS AND HAS BEEN IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDCOM MANUAL "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION", FOR SEDIMENTATION **TYPE D** SOILS. THE DISTURBED AREA WITHIN THIS CATCHMENT AT ANY ONE TIME SHOULD BE LIMITED TO AN AREA FOR WHICH EACH SEDIMENT BASIN CAN HANDLE. EACH BASIN SHALL BE SIZED IN ACCORDANCE WITH THE TABLE BELOW.

SEDIMENT BASIN SIZING TYPE D SOILS	
VOLUMETRIC RUNOFF COEFFICIENT, CV	0.64 (APPENDIX F - TABLE F2)
85TH PERCENTILE 5 DAY TOTAL RAINFALL DEPTH, R	36.2 mm
CATCHMENT AREA, A	1 Ha (UNIT AREA)
SETTLING ZONE VOLUME (PER HECTARE) 10 CV A R	239.68 m^3
DISTURBED CATCHMENT AREA	1 Ha (UNIT AREA)
R K LS P C	167.076 m^3
SEDIMENT ZONE VOLUME (0.17 A (R K LS P C)/1.3	21.84 m^3 < 50% SETTLING VOL
TOTAL SEDIMENT BASIN VOLUME REQUIRED :	359.52 m^3/Ha

* (LANDCOM MANAGING URBAN STORMWATER MANUAL REFERENCE)

2. THE FOLLOWING DESIGN PARAMETERS HAVE BEEN ASSESSED FOR THE SITE:

CONSTRAINT	VALUE	(SOURCE)*
RAINFALL EROSIVITY (R-FACTOR)	3000	APPENDIX B
LENGTH/SLOPE GRADIENT FACTOR, LS	1.26	APPENDIX A - TABLE A1
SOIL ERODIBILITY (K-FACTOR)	0.034	(TABLE C20 - PICTON)
EROSION CONTROL PRACTICE FACTOR (P-FACTOR)	1.3 (COMPACTED)	APPENDIX A - TABLE A2
COVER FACTOR (C-FACTOR)	1.0 (DURING EARTHWORKS)	APPENDIX A - FIGURE A5
CALCULATED SOIL LOSS, A (RUSLE EQUATION)	167.076 t/Ha/YR	A = R K LS P C
SOIL HYDROLOGIC GROUP	GROUP C / D	APPENDIX C TABLE 20
SEDIMENT TYPE	TYPE D	APPENDIX C TABLE 4
85TH PERCENTILE 5-DAY RAINFALL EVENT	36.2mm (PICTON)	TABLE 6.3A

* (LANDCOM MANAGING URBAN STORMWATER MANUAL REFERENCE)

BASIN MANAGEMENT

1. THE CAPTURED STORMWATER IN THE SETTLING ZONE SHOULD BE DRAINED TO MEET THE MINIMUM STORAGE CAPACITY REQUIRED WITHIN A FIVE (5) DAY PERIOD FOLLOWING RAINFALL, PROVIDED THE ACCEPTABLE WATER QUALITY (NFR) AND TURBIDITY HAVE BEEN ACHIEVED.
2. CHEMICAL FLOCCULENT SUCH AS GYPSUM MAY BE DOSED TO AID SETTLING WITHIN 24 HOURS OF CONCLUSION OF EACH STORM. THE APPLIED DOSING RATES SHOULD ACHIEVE THE TARGET QUALITY WITHIN 36 TO 72 HOURS OF THE STORM EVENT.
3. INSPECT THE SEDIMENT BASINS AFTER EACH RAINFALL EVENT AND/OR WEEKLY. ENSURE THAT ALL SEDIMENT IS REMOVED ONCE THE SEDIMENT STORAGE ZONE IS FULL (REFER TO PEGS INSTALLED IN BASINS IN ACCORDANCE WITH THE SWMP). ENSURE THAT OUTLET AND EMERGENCY SPILLWAY WORKS ARE MAINTAINED IN A FULLY OPERATIONAL CONDITION AT ALL TIMES.

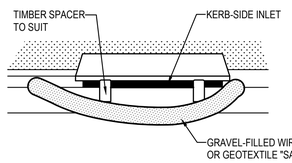
SOWING SEASON	SEED MIX
AUTUMN/WINTER	OATS@40KG/Ha + JAPANESE MILLET@10kg/Ha
SPRING/SUMMER	OATS@20kg/Ha + JAPANESE MILLET@20kg/Ha

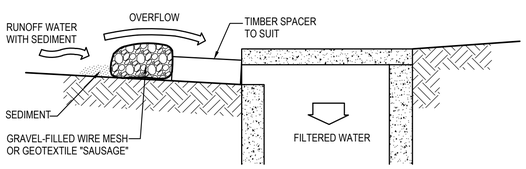
NOTE : THESE PLANT SPECIES ARE FOR TEMPORARY REVEGETATION ONLY. THEY WILL ONLY PROVIDE PROTECTION FROM EROSION FOR SIX MONTHS. WHERE THE PADS ARE TO BE LEFT UNDEVELOPED FOR A LONGER PERIOD, THE CONTRACTOR SHALL SEEK ADVICE FROM THE SITE SUPERINTENDENT AS TO MORE APPROPRIATE REVEGETATION METHODS.

REVEGETATION IN ACCORDANCE WITH THE ABOVE TABLE WILL BE ENHANCED BY ADDING LIME AT A RATE OF 4kg/TONNE OF TOPSOIL AND 7.5kg/TONNE OF SUBSOIL.

4. THE LONG TERM GROUND COVER FACTORS FOR THE CONSTRUCTION WORKS IS NOT TO EXCEED THE FOLLOWING LIMITS:

LAND	MAXIMUM C-FACTOR	REMARKS
WATERWAYS AND OTHER AREAS OF CONCENTRATED FLOWS, POST CONSTRUCTION	0.05	APPLIES AFTER TEN WORKING DAYS OF COMPLETION OF FORMATION AND BEFORE CONCENTRATED FLOWS ARE APPLIED. FOOT AND VEHICULAR TRAFFIC IS PROHIBITED IN THIS AREA AND 70% GROUND COVER IS REQUIRED.
STOCKPILES, POST CONSTRUCTION	0.10	APPLIES AFTER TEN WORKING DAYS FROM COMPLETION OF FORMATION. 60% GROUND COVER IS REQUIRED.
ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES, DURING CONSTRUCTION.	0.15	APPLIES AFTER 20 DAYS OF INACTIVITY, EVEN THOUGH WORKS MAY BE INCOMPLETE. 50% GROUND COVER IS REQUIRED.





MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

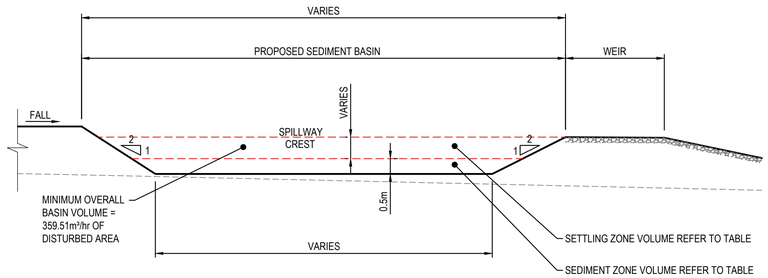
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

MESH & GRAVEL INLET FILTER

SCALE N.T.S.

SEDIMENT & EROSION CONTROL NOTES

- ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH WOLLONDILLY SHIRE COUNCIL'S SPECIFICATIONS AND LANDCOM'S "SOIL AND CONSTRUCTION" MANUAL.
- ALL PERIMETER & SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTH WORKS AND/OR CLEARING.
- THE SEDIMENT & EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.
- FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS & SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED & MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.
- ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR REUSE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.
- ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS.
- ALL FILLS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.
- UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY COUNCIL SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.
- EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL TIMES.



TYPICAL SECTION

SEDIMENTATION BASIN

FOR DA ONLY

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024
01	ISSUED FOR PRELIMINARY	AFe	NW	15.07.2024

Client: COLES

Architect: NETTLETONTRIBE

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henry&hymas

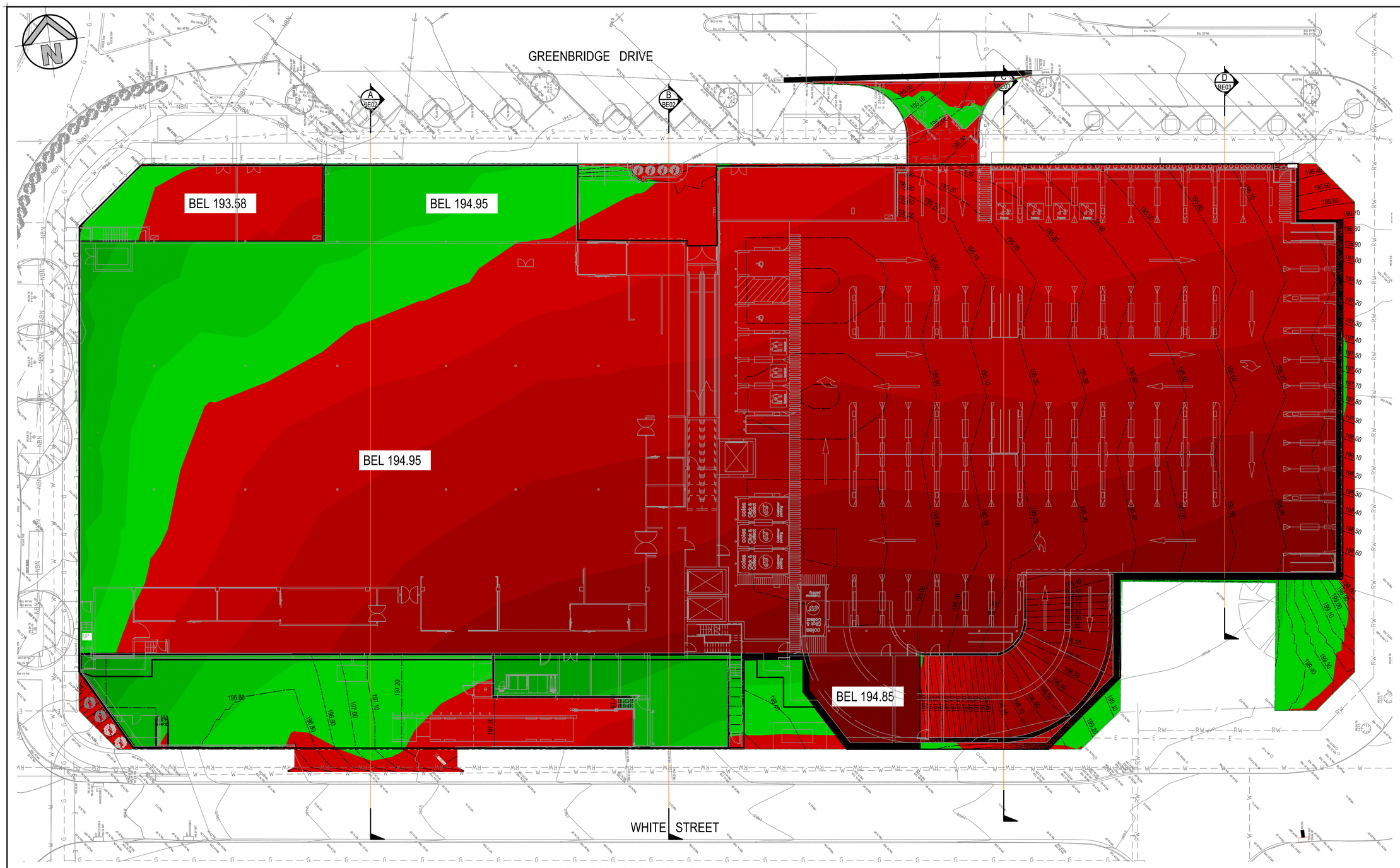
DRAWING TO BE PRINTED IN COLOUR

Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: SEDIMENT AND EROSION CONTROL PLAN

Drawn	Designed	Original issue date
A.Fernandes	N.Wetzlar	MAY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	N.T.S.

Drawing number: 21W23_D2_SE02
Revision: 01



LEGEND

EXISTING BOUNDARY

25.70 BE CONTOURS

DEPTH RANGE Lower_value		Upper_value		Colour
-10	to	-7	m	
-7	to	-6	m	
-6	to	-5	m	
-5	to	-4	m	
-4	to	-3	m	
-3	to	-2.5	m	
-2.5	to	-2	m	
-2	to	-1.5	m	
-1.5	to	-1	m	
-1	to	-0.5	m	
-0.5	to	0.0	m	
0.0	to	0.5	m	
0.5	to	1	m	
1	to	1.5	m	
1.5	to	2.	m	
2	to	2.5	m	
2.5	to	3.	m	
3.	to	4	m	
4	to	5	m	
5	to	6	m	
6	to	7	m	
7	to	10	m	
10	to	90	m	

BULK EARTHWORKS CUT AND FILL PLAN

SCALE: 1:200

EARTHWORKS QUANTITIES

(APPROXIMATE ONLY)

NOT TO BE USED FOR CONTRACTUAL PURPOSES. TENDERERS TO DETERMINE VOLUMES USING THEIR OWN METHOD OF CALCULATION.

- EARTHWORKS QUANTITIES -	
TOTAL AREA (7762 m²)	
CUT	7800 m³
FILL	1052 m³
EXCESS OF CUT OVER FILL	6748 m³
TOPSOIL STRIPPING "200mm" OF 1552.4m³ NOT INCLUDED IN CALCULATION	
EXCAVATION FOR SERVICE TRENCHES NOT INCLUDED IN CALCULATION	
EXCAVATION FOR RETAINING WALLS NOT INCLUDED IN CALCULATION	

PAVEMENT THICKNESS "INCLUDING BEDDING THICKNESS"		
BUILDING SLAB	250	mm
OTHER AREAS	250	mm

0 4 8 12 16 20m

4 3 2 1

SCALE 1:200

FOR DA ONLY

SURVEY INFORMATION

SURVEYED BY C.M.S. SURVEYOR P/L

DATUM: A.H.D.

ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
03	ISSUED FOR DA ONLY	DC	NW	26.03.2025					
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024					
01	ISSUED FOR PRELIMINARY	AFe	NW	15.07.2024					

Client: COLES

Architect: NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

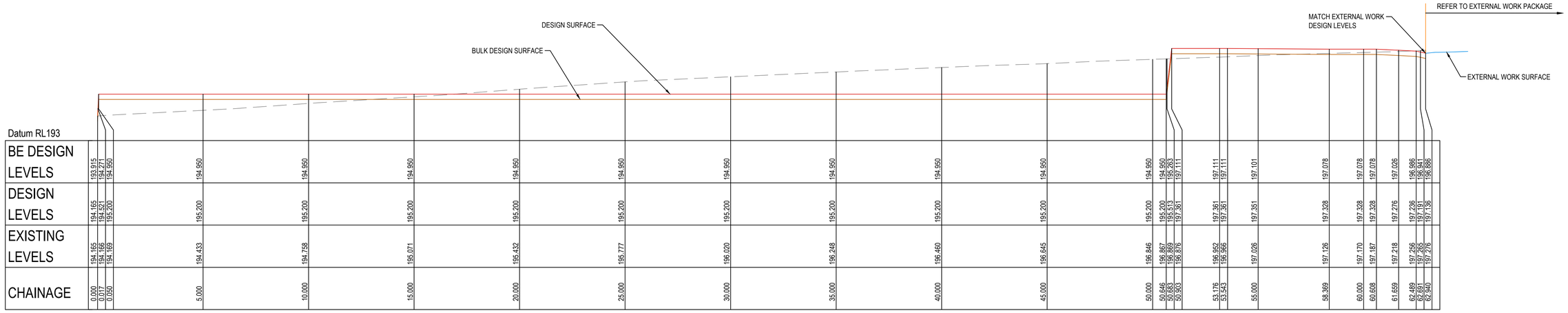
Project: PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title: BULK EARTHWORKS CUT AND FILL PLAN

Drawn	Designed	Original issue date
M.Barrozo	N.Wetzlar	MAY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	1:200

Drawing number: 21W23_D2_BE01

Revision: 03

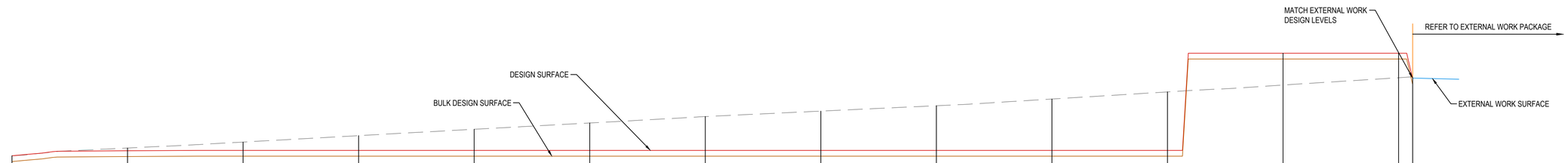


Datum RL193

BE DESIGN LEVELS	193.915	194.271	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950	194.950
DESIGN LEVELS	194.165	194.521	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200
EXISTING LEVELS	194.165	194.166	194.169	194.433	194.758	195.071	195.432	195.777	196.020	196.248	196.460	196.645	196.846	196.867	196.899	196.876	196.952	196.966	197.026	197.126	197.170	197.187	197.218	197.268	197.265	197.276	197.276	197.276
CHAINAGE	0.000	0.077	0.080	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	50.646	50.953	50.903	53.176	53.543	55.000	58.369	60.000	60.608	61.659	62.449	62.891	62.940	62.940	62.940

LONGITUDINAL SECTION - A

HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100



Datum RL194

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DESIGN LEVELS	194.965	195.181	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	195.200	199.400	199.400	198.326
EXISTING LEVELS	194.965	195.301	195.558	195.836	196.111	196.384	196.661	196.897	197.130	197.420	197.728	198.028	198.340	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374	198.374
CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608	60.608

LONGITUDINAL SECTION - B

HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

0 2 4 6 8 10m
2 1
SCALE 1:100

FOR DA ONLY

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024
01	ISSUED FOR PRELIMINARY	SC	NW	15.07.2024

Client
COLES

Architect
NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

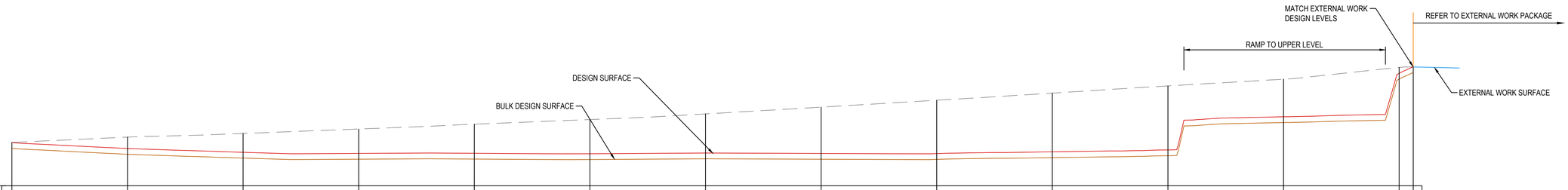
henry&hymas

Project
PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title
BULK EARTHWORKS SECTIONS
SHEET 1 OF 2

Drawn	Designed	Original issue date
M.Barrozo	N.Wetzlar	MAY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	AS NOTED

Drawing number 21W23_D2_BE02
Revision 02

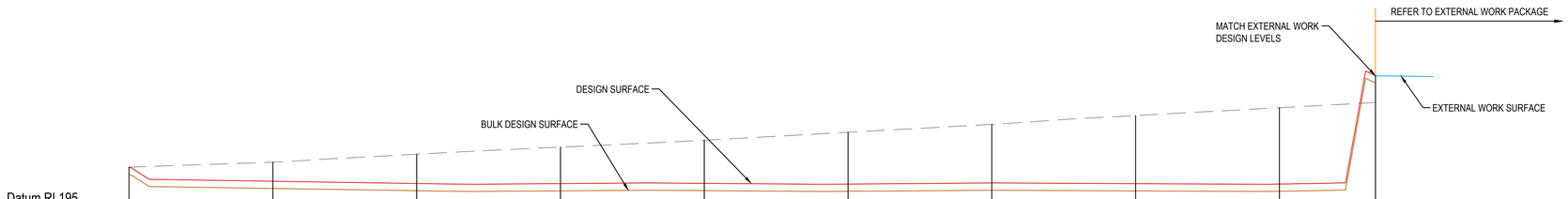


Datum RL194

BE DESIGN LEVELS	195.627	195.365	195.201	195.151	195.158	195.140	195.169	195.151	195.145	195.221	195.302	196.738	198.620	198.906
DESIGN LEVELS	195.877	195.615	195.451	195.401	195.408	195.390	195.419	195.401	195.395	195.471	195.552	196.988	198.870	199.156
EXISTING LEVELS	195.877	196.109	196.266	196.459	196.667	196.870	197.112	197.405	197.705	198.013	198.325	198.615	199.124	199.147
CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	60.608

LONGITUDINAL SECTION - C

HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100



Datum RL195

BE DESIGN LEVELS	196.172	195.882	195.603	195.599	195.607	195.584	195.621	195.599	195.584	199.350
DESIGN LEVELS	196.422	195.932	195.853	195.849	195.857	195.834	195.871	195.849	195.834	199.600
EXISTING LEVELS	196.422	196.596	196.871	197.120	197.358	197.635	197.911	198.217	198.490	198.672
CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	43.342

LONGITUDINAL SECTION - D

HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

0 2 4 6 8 10m
2 1
SCALE 1:100

FOR DA ONLY

SURVEY INFORMATION
SURVEYED BY C.M.S. SURVEYOR P/L
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM 16511 RL 193.229

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
02	ISSUED FOR DA ONLY	AFe	NW	12.08.2024
01	ISSUED FOR PRELIMINARY	SC	NW	15.07.2024

Client
COLES

Architect
NETTLETONTRIBE

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DRAWING TO BE PRINTED IN COLOUR

henry&hymas

Project
PROPOSED COLES DEVELOPMENT
30 PEMBROKE PARADE, WILTON NSW

Title
BULK EARTHWORKS SECTIONS
SHEET 2 OF 2

Drawn	Designed	Original issue date
M.Barrozo	N.Wetzlar	MAY 2024
Checked	Approved	Scale @A1
N.Wetzlar	A.Francis	AS NOTED

Drawing number 21W23_D2_BE03
Revision 02