

TRANSPORT CANBERRA AND CITY SERVICES

MENINDEE DRIVE LINK PATH

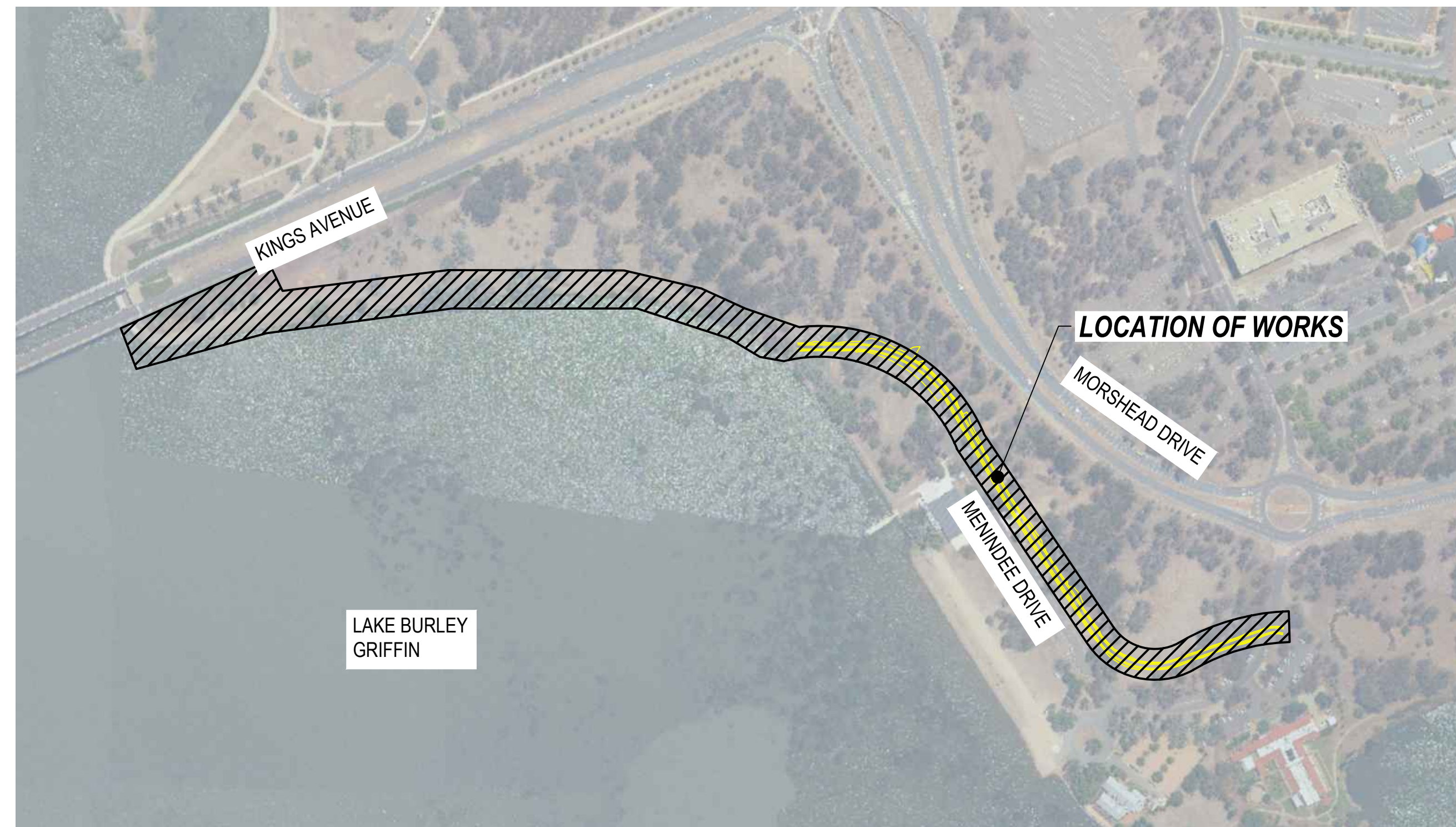
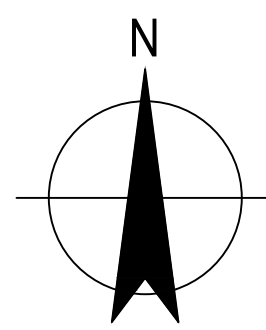
12542736

DRAWING LIST

DRG No.	DRAWING TITLE
12542736-C2001	COVER SHEET, LOCALITY PLAN AND DRAWING LIST
12542736-C2002	GENERAL NOTES
12542736-C2011	GENERAL ARRANGEMENT PLAN - SHEET 1 OF 2
12542736-C2012	GENERAL ARRANGEMENT PLAN - SHEET 2 OF 2
12542736-C2015	TYPICAL SECTIONS
12542736-C2016	SPLITTER ISLAND DETAIL
12542736-C2031	STREET LIGHTING PLAN - SHEET 1 OF 2
12542736-C2032	STREET LIGHTING PLAN - SHEET 2 OF 2
12542736-C2035	STREET LIGHTING DETAILS
12542736-C2040	PATH 01 - LONGITUDINAL SECTION
12542736-C2045	PATH 01 - CROSS SECTIONS - SHEET 1 OF 3
12542736-C2046	PATH 01 - CROSS SECTIONS - SHEET 2 OF 3
12542736-C2047	PATH 01 - CROSS SECTIONS - SHEET 3 OF 3
12542736-C2051	TRAFFIC CONTROL DEVICES - SHEET 1 OF 2
12542736-C2052	TRAFFIC CONTROL DEVICES - SHEET 2 OF 2
12542736-C2061	CONCEPT TEMPORARY TRAFFIC MANAGEMENT PLAN
12542736-C2062	CONCEPT TEMPORARY TRAFFIC MANAGEMENT PLAN - RAISED CROSSING WORKS
12542736-C2071	CONCEPT SEDIMENT AND EROSION CONTROL PLAN - SHEET 1 OF 2
12542736-C2072	CONCEPT SEDIMENT AND EROSION CONTROL PLAN - SHEET 2 OF 2
12542736-C2075	CONCEPT SEDIMENT AND EROSION CONTROL DETAILS
12542736-C2100	EXISTING WATER MAIN
2066-L00	COVER PAGE
2066-L01	LANDSCAPE PLAN SHEET 1
2066-L02	LANDSCAPE PLAN SHEET 2
2066-L03	LANDSCAPE PLAN SHEET 3
2066-L04	LANDSCAPE PLAN SHEET 4
2066-L05	LANDSCAPE PLAN SHEET 5
2066-L06	LANDSCAPE PLAN SHEET 6
2066-TA01	TREE ASSESSMENT
2066-TMP-01	TREE MANAGEMENT PLAN

SUPPLEMENTARY DRAWINGS

1. VERIS DETAIL SURVEY - MENINDEE DRIVE 2020.185



LOCALITY PLAN
NTS

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21

DO NOT SCALE	Drawn R. MARTINEZ	Designer A. HUSSAIN	Client TRANSPORT CANBERRA AND CITY SERVICES Project MENINDEE DRIVE LINK PATH Title COVER SHEET, LOCALITY PLAN AND DRAWING LIST Original Size Drawing No: 12542736-C2001 Rev: 0
	Drafting Check G. POCKNEE	Design Check G. POCKNEE	
	Approved (Project Director) K. O'BRIEN	Date 7 APRIL 2021	
	Scale NTS	This Drawing must not be used for construction unless signed as Approved	

GENERAL NOTES:

- A.1 ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE ACT GOVERNMENT MUNICIPAL INFRASTRUCTURE TECHNICAL SPECIFICATION CURRENT AS AT THE DATE OF CONTRACT AWARD UNLESS OTHERWISE NOTED.
- A.2 SURFACES AND INFRASTRUCTURE WHICH LIE OUTSIDE THE GENERAL LIMITS OF WORKS AND WHICH ARE DISTURBED ARE TO BE RESTORED TO THE PRECONSTRUCTION CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF THE SUPERINTENDENT
- A.3 ALL LEVELS SHOWN ARE FINISHED SURFACE LEVELS UNLESS NOTED OTHERWISE. WHERE APPLICABLE THE CONTRACTOR SHALL ALLOW FOR THE THICKNESS OF THE VARIED SPECIFIED FINISHES.
- A.4 THE CONTRACTOR SHALL PROVIDE ALL LABOUR, MATERIALS AND EQUIPMENT NECESSARY FOR THE ACCURATE SETTING OUT OF THE ENTIRE WORKS. THE CONTRACTOR SHALL ENSURE THAT ALL SURFACES ARE CONSTRUCTED TO THE CORRECT LEVELS. ALL WORKS AS EXECUTED INFORMATION TO BE VERIFIED BY REGISTERED SURVEYOR.
- A.5 THE CONTRACTOR SHALL NOT DISTURB NOR OBLITERATE ANY SURVEY MARK. SHOULD ANY SURVEY MARK BE DISTURBED OR OBLITERATED, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT IMMEDIATELY AND THE SURVEY MARK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- A.6 CONTRACTOR IS TO OBTAIN CLEARANCES AND CO-ORDINATE WORK WITH ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT.
- A.7 THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK HEALTH & SAFETY ACT 2011, WHICH REQUIRES EMPLOYERS TO ENSURE THE HEALTH, SAFETY AND WELFARE OF ALL THEIR EMPLOYEES AND PERSONS IN THE VICINITY OF THE WORK SITE.
- A.8 ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- A.9 CONTRACTOR TO CONFIRM BY SURVEY, ALL LEVELS OF STORMWATER, SEWER AND OTHER SERVICES REQUIRED TO BE CONNECTED TO, EXTENDED OR ACHIEVE COVER TO OR FROM THESE PROPOSED WORKS PRIOR TO COMMENCING CONSTRUCTION ON SITE.
- A.10 DO NOT OBTAIN DIMENSIONS BY SCALING FROM DRAWINGS.
- A.11 INSPECTIONS UNDERTAKEN BY THE SUPERINTENDENT OR OTHERS DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS.
- A.12 THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT IMMEDIATELY OF ANY DISCREPANCIES OR ERRORS THAT MAY BE PRESENT IN THESE PLANS.

SURVEY NOTES:

- B.1 COORDINATE INFORMATION IS TO ACT STANDARD GRID. DATUM FOR ALL LEVELS IS AUSTRALIAN HEIGHT DATUM (AHD).
- B.2 SURVEY BY VERIS PTY LTD PROVIDED BY TRANSPORT CANBERRA AND CITY SERVICES ON 09.12.20. REFER DRGS. 2020.185.DT.001 SHEET 1 OF 3 REV A TO DRG. 2020.185.DT.001 SHEET 3 OF 3 REV A FOR SURVEY NOTES, SURVEY CONTROL AND EXISTING SERVICES INFORMATION.
- B.3 TREE HEIGHTS AND SHAPES ARE INDICATIVE ONLY.

EARTHWORKS:

- C.1 REMOVE ALL EVIDENT UNCONTROLLED FILL OR ANY SOFT, WET OR HIGHLY COMPRESSIBLE MATERIAL OR SOIL RICH IN ORGANIC MATTER INCLUDING ROOTS. CARE SHALL BE TAKEN IN THE REMOVAL OF TREE ROOTS.
- C.2 THE CONTRACTOR SHALL CHECK, CONFIRM AND SATISFY THEMSELVES THAT ALL DIMENSIONS, LEVELS AND SERVICE LOCATIONS ARE CORRECT PRIOR TO CONSTRUCTION WORKS COMMENCING ON SITE.
- C.3 THE CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF LEVELS AND LOCATIONS OF SERVICES TO FULLY COMPLY WITH REFERENCE DOCUMENTS 8 AND 11 OF ACT GOVERNMENT STANDARD SPECIFICATION.
- C.4 CONTRACTOR TO PROVIDE DILAPIDATION REPORT ON EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- C.5 ALL EXCESS SPOIL OR UNSUITABLE MATERIAL IS TO BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE TO AN APPROVED SITE WITHIN THE ACT. THE CONTRACTOR SHALL ALLOW FOR ALL FEES AND CHARGES.

SPECIAL REQUIREMENTS:

- D.1 AREAS FOR PARKING OF CONSTRUCTION PLANT, ETC SHALL BE KEPT FREE OF ANY CONTAMINANTS (E.G. ENGINE OIL, HYDRAULIC OIL, FUEL, KEROSENE).

EXISTING SERVICES:

- E.1 EXISTING SERVICES HAVE BEEN PLOTTED FROM CURRENT DBYD

INFORMATION ONLY. THE SUPERINTENDENT DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF DATA USED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK.

- E.2 THE CONTRACTOR SHALL ARRANGE FOR CURRENT DIAL-BEFORE-YOU-DIG (DBYD) SERVICES SEARCH PLANS FOR ANY EXISTING SERVICES WITHIN THE VICINITY OF THE CONSTRUCTION SITE AND SHALL MAINTAIN A MATCH COPY OF THESE PLANS ON SITE AT ALL TIMES DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
- E.3 ANY SERVICE THAT IS IDENTIFIED ON SITE THAT IS NOT SHOWN WITHIN THESE PLANS SHALL BE IMMEDIATELY BOUGHT TO THE ATTENTION OF THE SUPERINTENDENT FOR COORDINATION WITH THE DESIGN SHOWN WITHIN THESE PLANS. NO WORK SHALL PROCEED PAST THIS POINT UNTIL APPROVAL IS GIVEN BY THE SUPERINTENDENT TO PROCEED.
- E.4 ANY DAMAGE CAUSED TO ANY EXISTING SERVICE DURING THE CONSTRUCTION PERIOD OF THIS PROJECT SHALL BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT AND RELEVANT AUTHORITY SUCH THAT DAMAGE MADE GOOD AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE SUPERINTENDENT .

PROTECTION AND EROSION AND SEDIMENT CONTROL:

- F.1 IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE SITE AND SURROUNDING AREA FROM DAMAGE RESULTING FROM STORMWATER RUNOFF
- F.2 ALL EROSION AND SEDIMENTATION CONTROL MEASURES IMPLEMENTED ON SITE DURING CONSTRUCTION WORKS ARE TO BE SELECTED AND INSTALLED IN ACCORDANCE WITH ACT EPA ENVIRONMENTAL PROTECTION GUIDELINES AND ENVIRONMENT ACT'S "GUIDELINES FOR EROSION AND SEDIMENT CONTROL ON BUILDING SITES".
- F.3 EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED AND MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION TO MINIMISE THE EFFECTS OF WEATHER TO THE SATISFACTION OF THE SUPERINTENDENT.
- F.4 NO EXTENSIONS OF TIME WILL BE GRANTED SHOULD DAMAGE TO THE WORKS AND SURROUNDING AREAS RESULT FROM THE CONTRACTOR'S NEGLIGENCE IN NOT PROVIDING ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES.

TOPSOIL AND TURFING / LANDSCAPING:

- G.1 TOPSOIL SHALL BE UNIFORMLY APPLIED TO PROVIDE A MINIMUM DEPTH OF 100mm TO ALL RESTORED TOPSOILED AREAS, WITH SOIL LUMPS NOT EXCEEDING 50mm DIMENSION.
- G.2 CARE MUST BE TAKEN AT ALL TIMES TO PREVENT DAMAGE TO TREE ROOTS AND BRANCHES.
- G.3 NO CUTTING OF TREE ROOTS TO TAKE PLACE WITHOUT CONSULTING THE SUPERINTENDENT.

OVERHEAD POWER LINES:

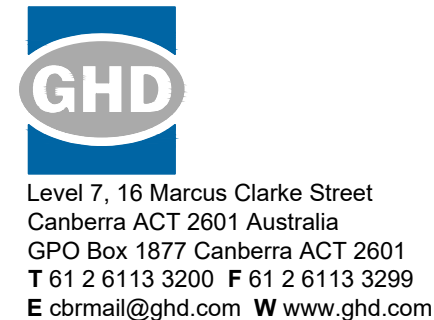
- H.1 THE CONTRACTOR SHALL NOT DISTURB THE FOOTINGS OF EXISTING STREET LIGHTING AND POWER POLES WHICH ARE NOT TO BE RELOCATED OR REMOVED.
- H.2 THE CONTRACTOR IS TO DEMONSTRATE CARE WHEN OPERATING VEHICLES AND MACHINERY IN THE VICINITY OF OVERHEAD POWER LINES.

CONSTRUCTION NOTES:

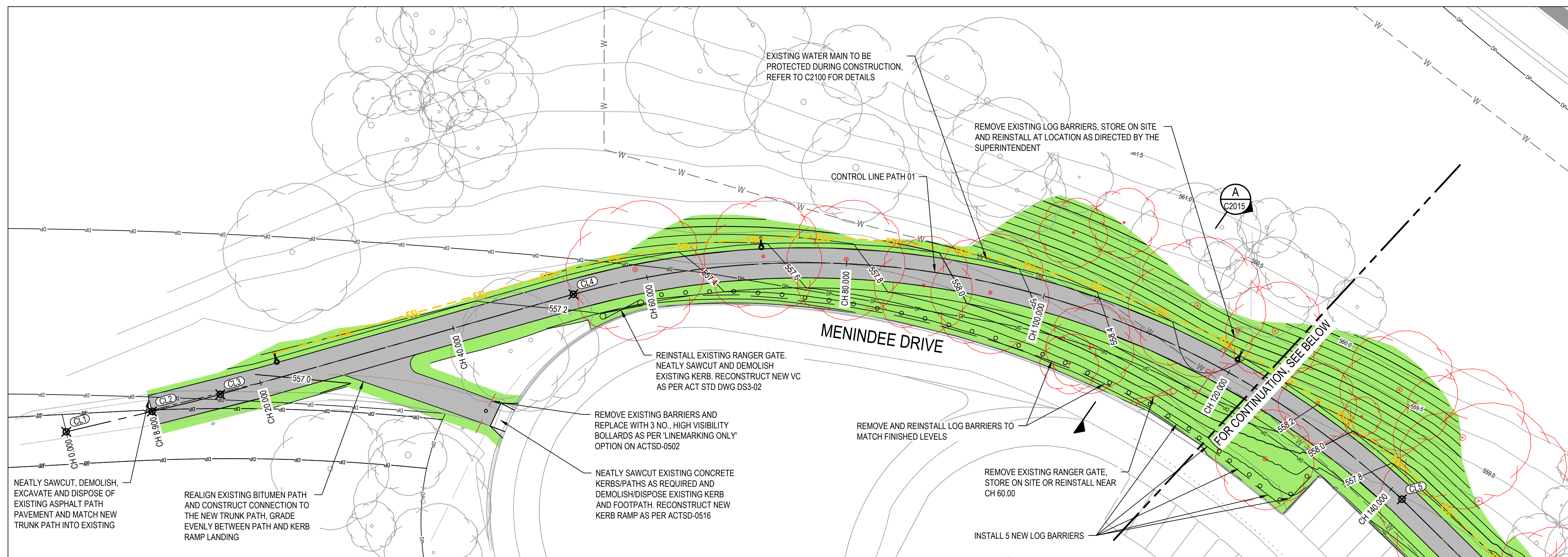
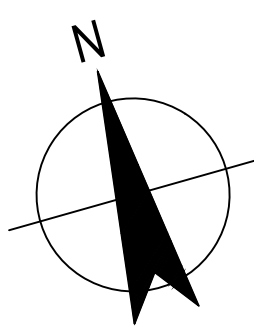
- I.1 THE CONTRACTOR SHALL ARRANGE FOR THE WORK TO BE INSPECTED BY THE SUPERINTENDENT AT THE HOLD POINTS AS PER THE MUNICIPAL INFRASTRUCTURE TECHNICAL SPECIFICATION.
- I.2 THE CONTRACTOR SHALL GIVE NOT LESS THAN TWENTY FOUR HOURS NOTICE WHEN REQUESTING AN INSPECTION OF CONSTRUCTION HOLD POINTS.

CONTROL LINE SETOUT TABLE		
POINT #	EASTING	NORTHING
CL1	212464.308	601631.045
CL2	212473.091	601630.665
CL3	212480.122	601630.454
CL4	212516.745	601630.454
CL5	212590.750	601588.263
CL6	212622.199	601532.880
CL7	212632.296	601515.779
CL8	212660.968	601471.495
CL9	212668.536	601460.079
CL10	212672.434	601455.299
CL11	212675.193	601452.525
CL12	212682.133	601442.061
CL13	212683.615	601438.442
CL14	212686.548	601432.906
CL15	212694.386	601421.092
CL16	212763.233	601396.112
CL17	212795.896	601405.854
CL18	212795.994	601405.884
CL19	212803.029	601409.042
CL20	212808.321	601412.294
CL21	212817.420	601415.997
CL22	212817.440	601416.001
CL23	212827.195	601418.203
CL24	212827.640	601418.303
CL25	212834.946	601418.583
CL26	212836.528	601418.351
CL27	212837.422	601418.224
CL28	212851.297	601416.257

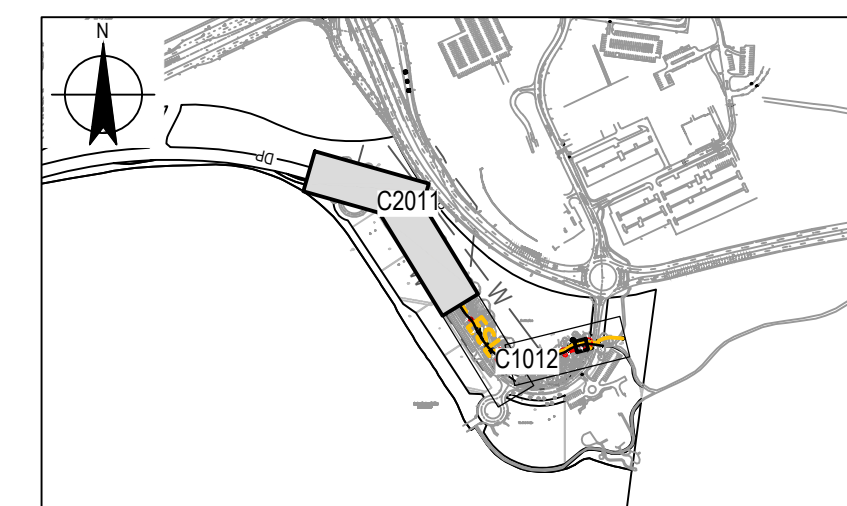
0	ORIGINAL ISSUE	RM	DI*	KOB*	07.04.21	
No	Revision	Note: * indicates signatures on original issue or last revision of drawing	Drawn	Job Manager	Project Director	Date



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	Drafting Check	G. POCKNEE	Design Check	G. POCKNEE	
	Approved (Project Director)	K. O'BRIEN			Original Size A1
	Date	07 APRIL 2021			
Scale	NTS		This Drawing must not be used for Construction unless signed as Approved		Drawing No: 12542736-C2002 Rev: 0



PLAN
SCALE 1:250



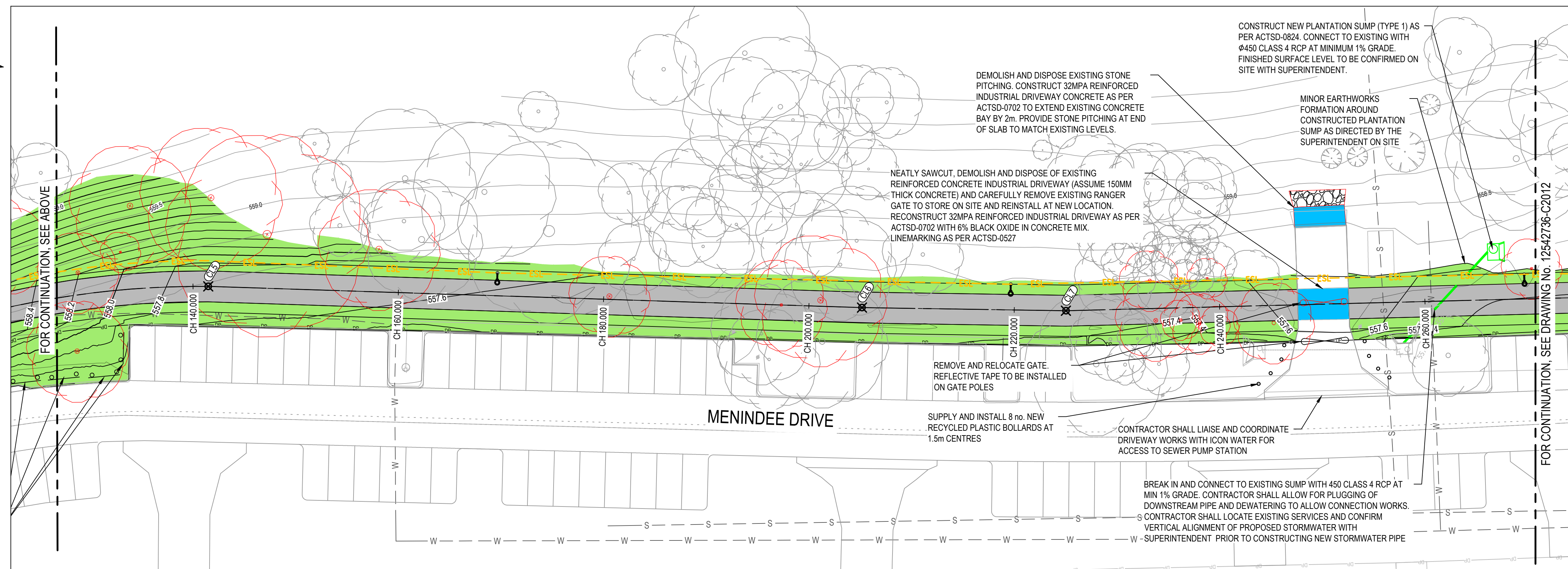
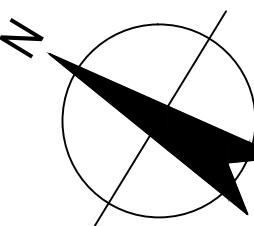
KEYPLAN
NOT TO SCALE

LEGEND

- NEW ASPHALT TRUNK PATH (AS PER ACTSD-0501)
- EARTHWORKS EXTENTS 100mm TOPSOIL TCCS DRYLAND GRASS MIX 'C' WITH BITUMEN STRAW MULCH
- RECONSTRUCT 32MPA REINFORCED INDUSTRIAL DRIVEWAY (AS PER ACTSD-0702)
- PROPOSED STORMWATER SERVICE
- NEW STREETLIGHTING SUPPLY
- EXISTING WATER SERVICE
- EXISTING SEWER SERVICE
- EXISTING ELECTRICAL SERVICE
- EXISTING TREE TO REMAIN
- TREE TO BE REMOVED
- EXISTING BLOCK BOUNDARY
- REMOVE AND REINSTALL LOG BARRIERS
- CONTROL LINE SETOUT POINT, REFER TABLE ON 12542736-C2002

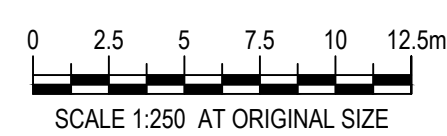
NOTES:

1. FOR GENERAL NOTES, REFER TO C2002
2. FOR STREET LIGHTING PLAN, REFER TO DRAWINGS 12542736-C2031 TO C2032
3. FOR STREET LIGHTING DETAILS, REFER TO DRAWING 12542736-C2035
4. A JOINT DILAPIDATION INSPECTION OF THE SITE IS TO BE UNDERTAKEN WITH THE SUPERINTENDENT PRIOR TO ANY WORKS COMMENCING ON SITE.
5. THE CONTRACTOR SHALL REFER TO THE TREE MANAGEMENT PLAN WHEN WORKING IN THE TREE PROTECTION ZONE OF TREES. ANY TREES MARKED FOR REMOVAL SHALL BE APPROVED BY THE SUPERINTENDENT PRIOR TO REMOVAL.
6. FINAL PATH ALIGNMENT TO BE MARKED OUT AND CONFIRMED ON-SITE TO ALLOW FOR MINOR ADJUSTMENTS FOR WORKS WITHIN THE TREE PROTECTION ZONES. TO BE APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.



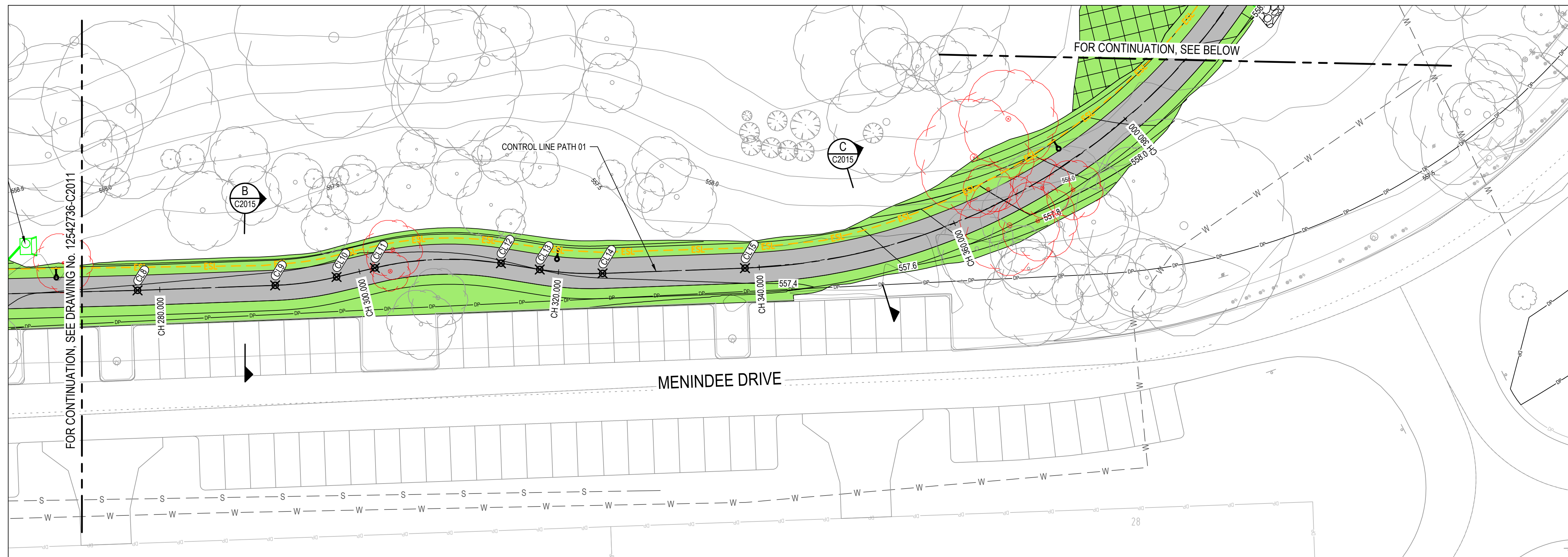
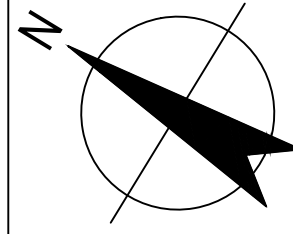
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SCALE 1:250

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21

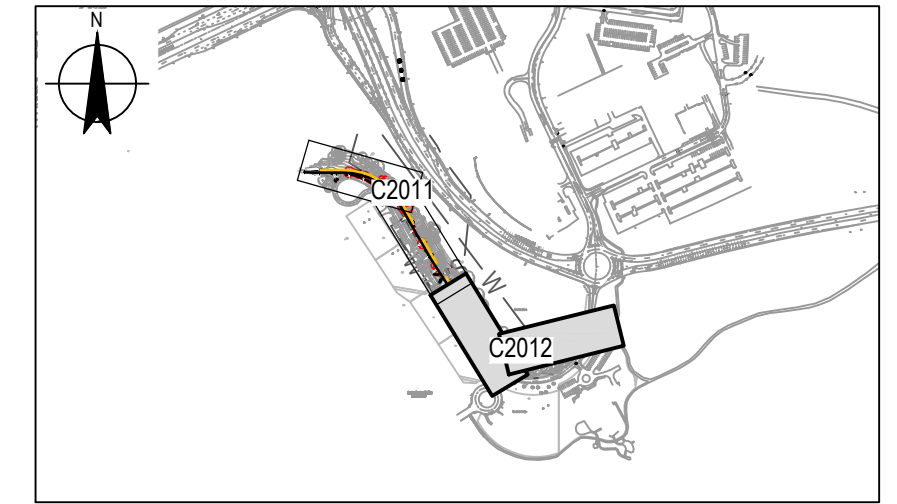


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	Approved (Project Director) K. O'BRIEN	Date 07 APRIL 2021
	Scale 1:250	This Drawing must not be used for Construction unless signed as Approved

Client	TRANSPORT CANBERRA AND CITY SERVICES
Project	MENINDEE DRIVE LINK PATH
Title	GENERAL ARRANGEMENT PLAN - SHEET 1 OF 2
Original Size	A1
Drawing No:	12542736-C2011
Rev:	0



PLAN
SCALE 1:250



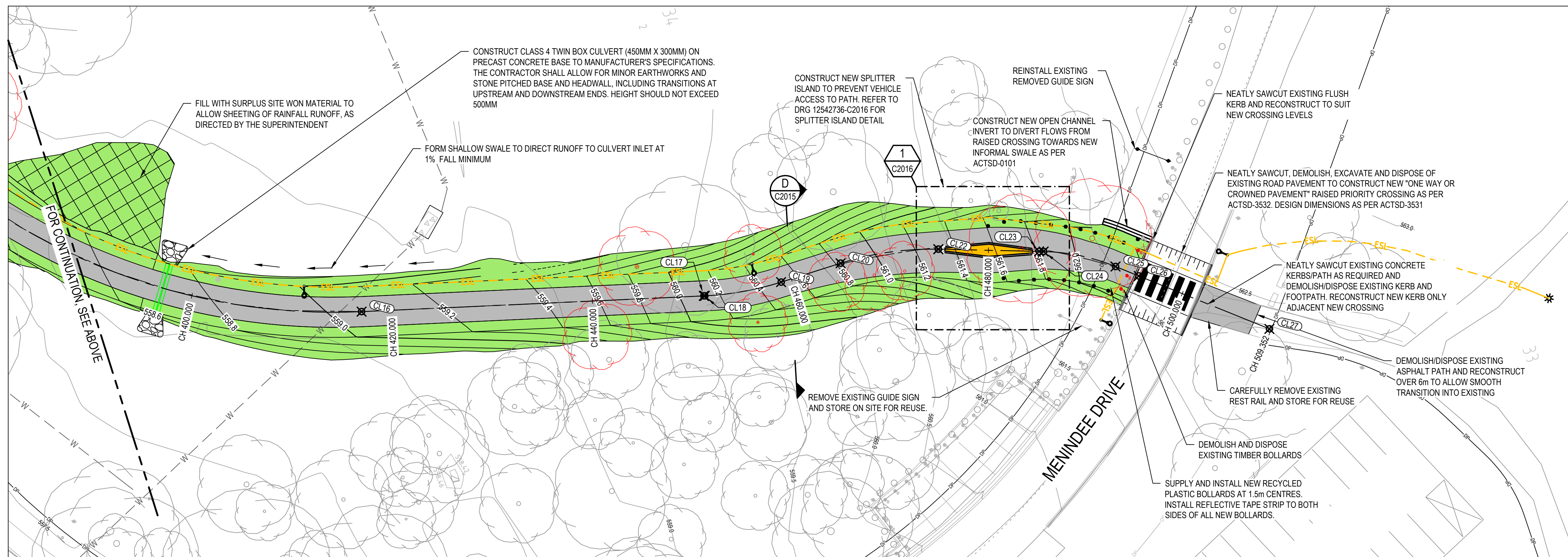
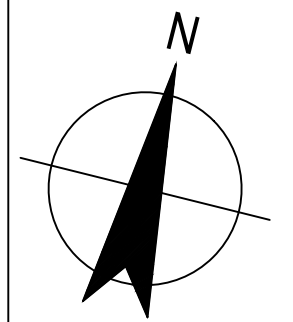
KEYPLAN
NOT TO SCALE

LEGEND

- NEW ASPHALT TRUNK PATH (AS PER ACTSD-0501)
- EARTHWORKS EXTENTS 100mm TOPSOIL, TCCS DRYLAND GRASS MIX 'C' WITH BITUMEN STRAW MULCH
- RECONSTRUCT 32MPA REINFORCED INDUSTRIAL DRIVEWAY (AS PER ACTSD-0702)
- PROPOSED STORMWATER SERVICE
- NEW STREETLIGHTING SUPPLY
- EXISTING WATER SERVICE
- EXISTING SEWER SERVICE
- EXISTING ELECTRICAL SERVICE
- EXISTING TREE TO REMAIN
- TREE TO BE REMOVED
- EXISTING BLOCK BOUNDARY
- REMOVE AND REINSTALL LOG BARRIERS
- CONTROL LINE SETOUT POINT, REFER TABLE ON 12542736-C2002

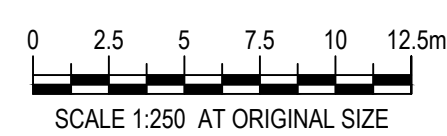
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3. FOR STREET LIGHTING DETAILS, REFER TO DRAWING 12542736-C2035.
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6. FINAL PATH ALIGNMENT TO BE MARKED OUT AND CONFIRMED ON-SITE TO ALLOW FOR MINOR ADJUSTMENTS FOR WORKS WITHIN THE TREE PROTECTION ZONES. TO BE APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

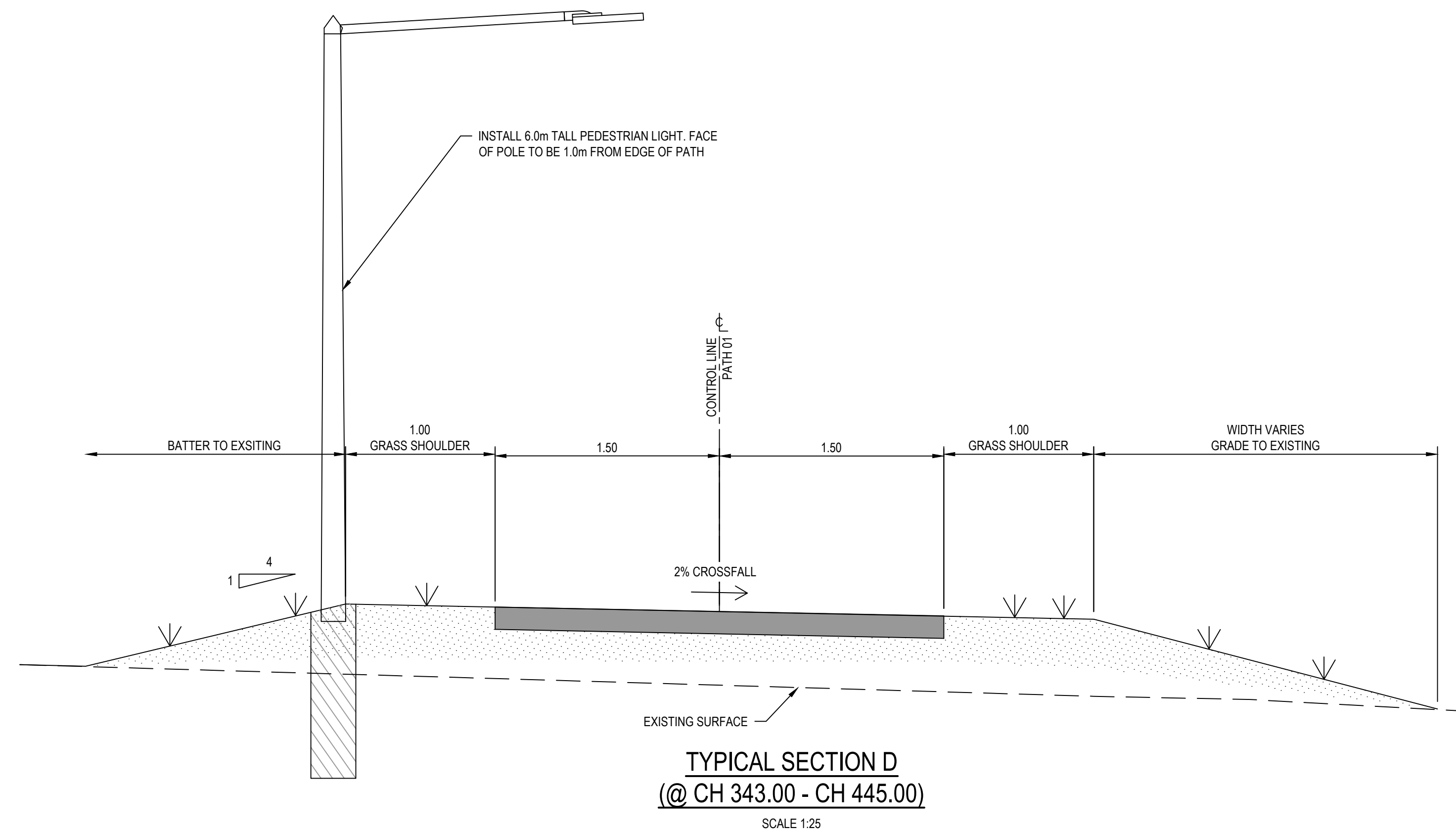
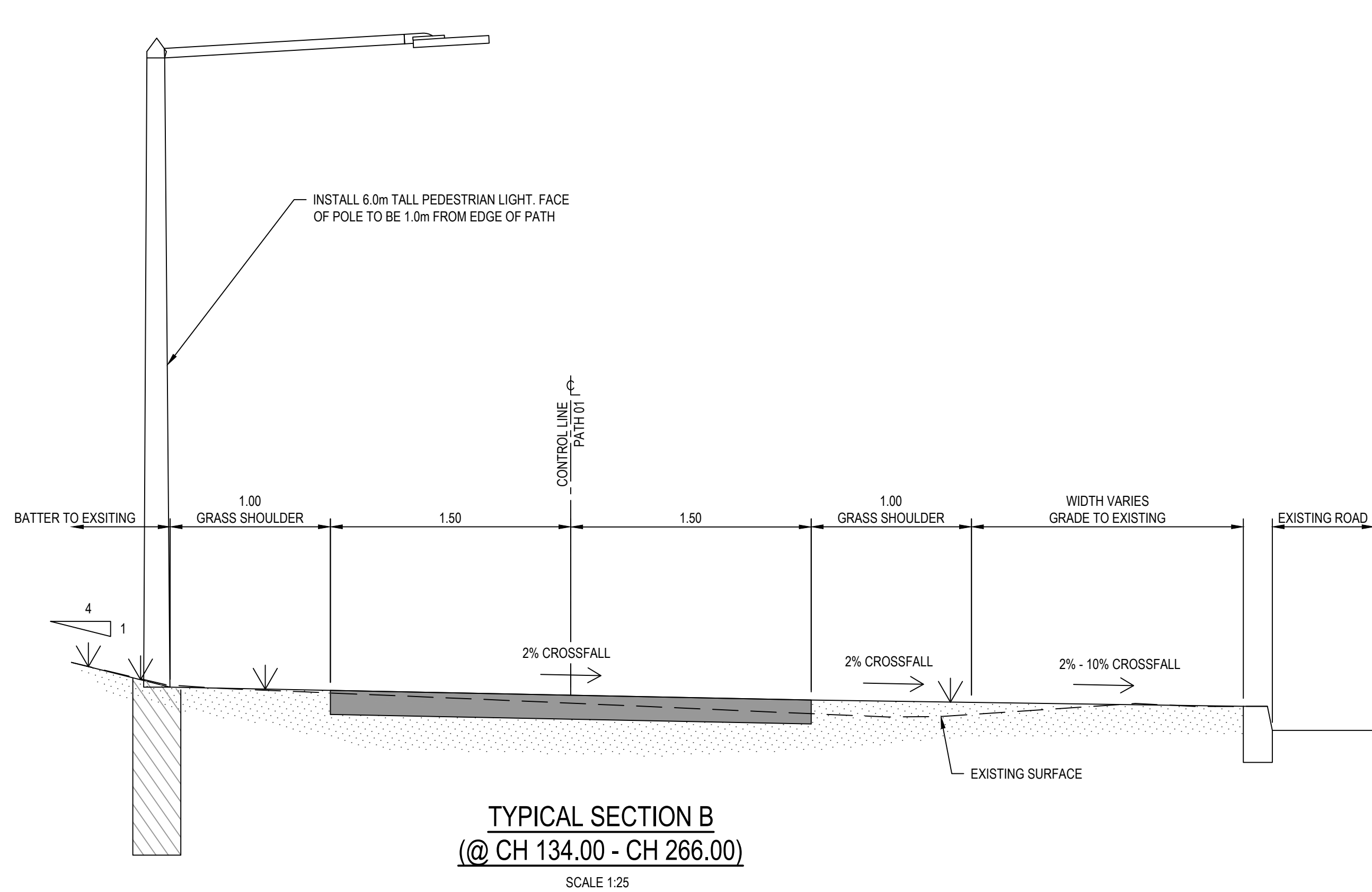
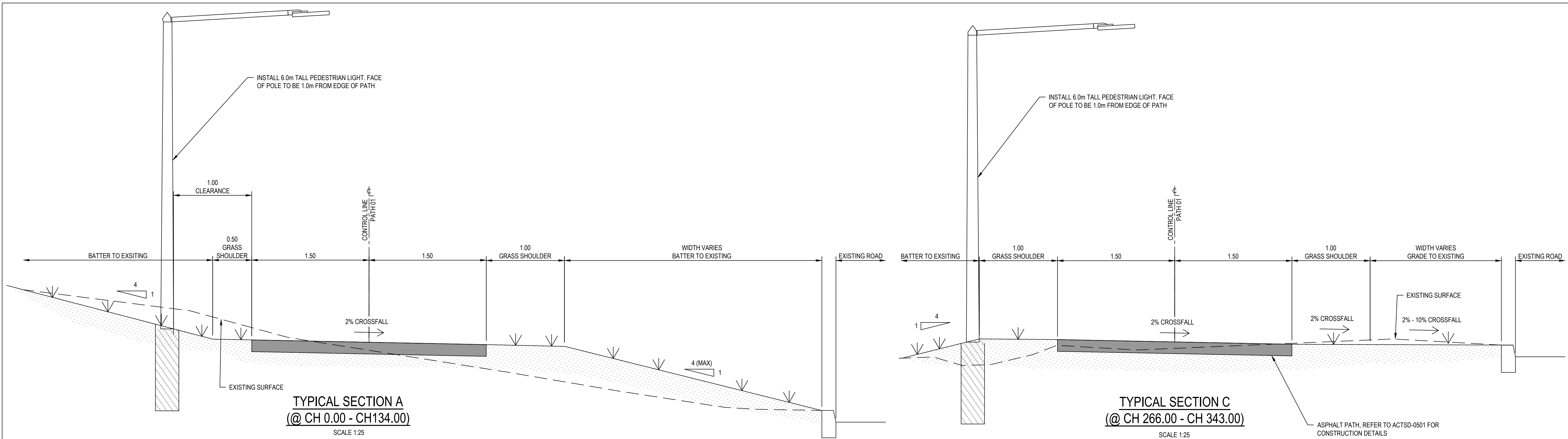


PLAN
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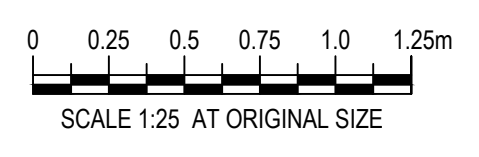
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	DI*	KOB*	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



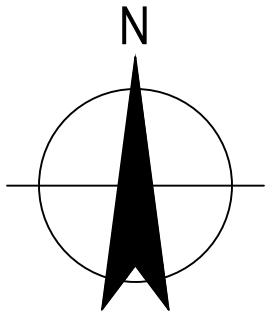
DO NOT SCALE	Drawn R. MARTINEZ	Designer A. HUSSAIN	Client TRANSPORT CANBERRA AND CITY SERVICES
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	Approved (Project Director) K. O'BRIEN	Date 07 APRIL 2021	Title GENERAL ARRANGEMENT PLAN - SHEET 2 OF 2
	Scale 1:250	This Drawing must not be used for Construction unless signed as Approved	
			Original Size A1 Drawing No: 12542736-C2012 Rev: 0



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0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



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	Drafting Check	G. POCKNEE	Design Check	G. POCKNEE	Project	
	Approved (Project Director)	K. O'BRIEN		Title		
	Date	07 APRIL 2021		Scale	1:25	

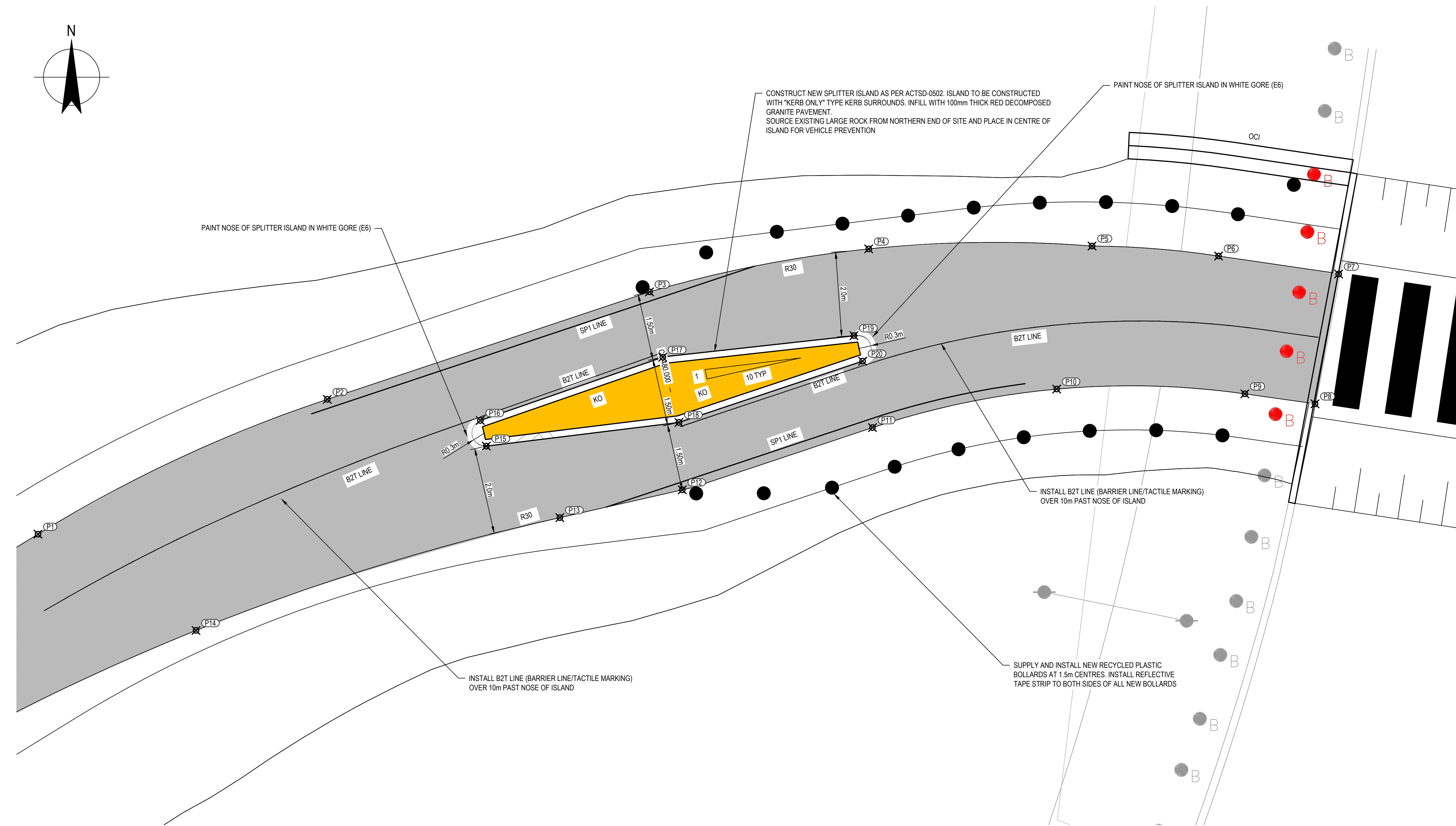


LEGEND

- NEW ASPHALT TRUNK PATH (AS PER ACTSD-0501)
- DECOMPOSED GRANITE
- (P#) SPLITTER ISLAND SETOUT POINT

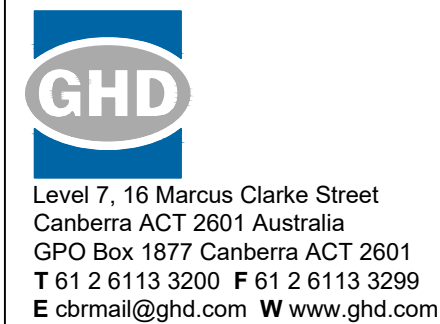
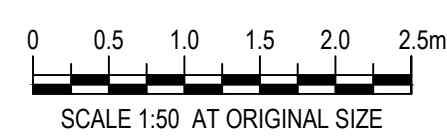
NOTES:

1. SPLITTER ISLAND TO BE CONSTRUCTED IN ACCORDANCE WITH ACTSD-0502
2. SOURCE EXISTING LARGE ROCK FROM NORTHERN END OF SITE AND INSTALL IN CENTRE OF ISLAND FOR VEHICLE ACCESS PREVENTION

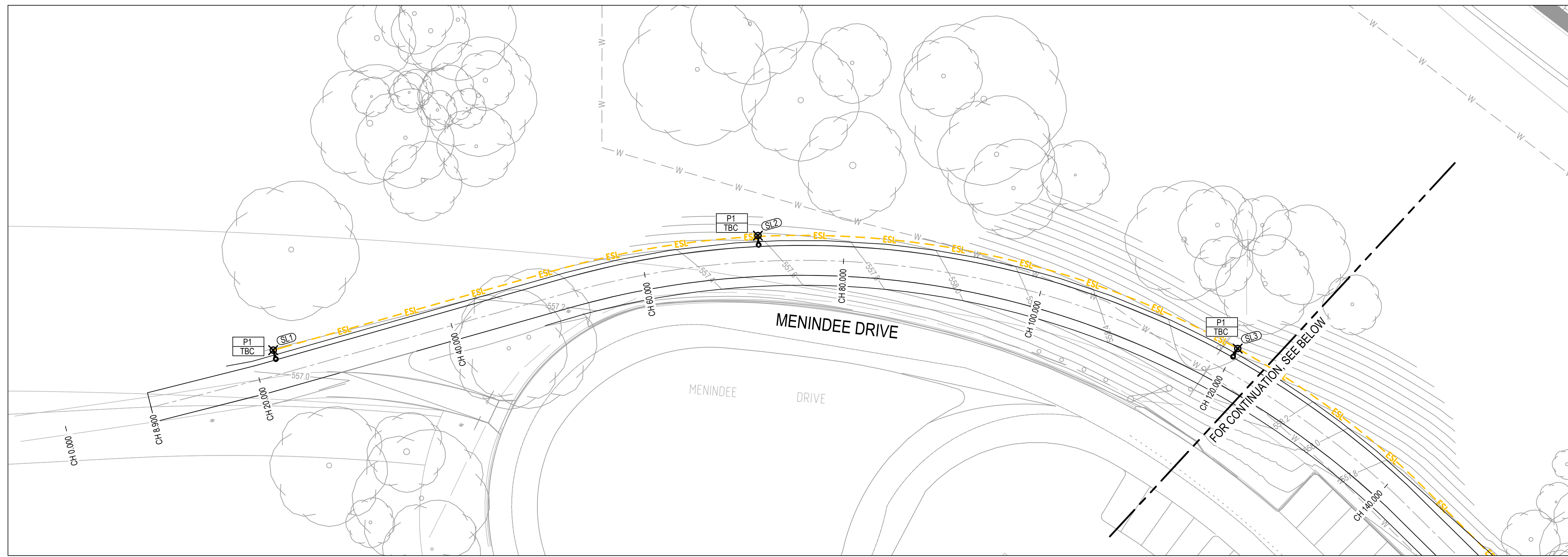
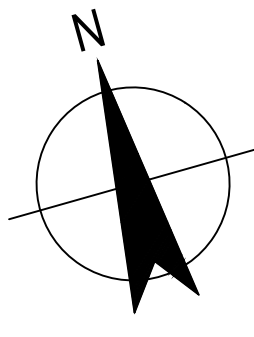


SPLITTER ISLAND SETOUT TABLE		
POINT #	EASTING	NORTHING
P1	212807.948	601413.826
P2	212814.512	601416.882
P3	212821.820	601419.317
P4	212826.792	601420.292
P5	212831.858	601420.357
P6	212834.727	601420.131
P7	212837.450	601419.723
P8	212836.915	601416.780
P9	212835.323	601417.006
P10	212831.056	601417.114
P11	212826.878	601416.241
P12	212822.564	601414.830
P13	212819.787	601414.200
P14	212811.534	601411.642
P15	212818.118	601415.821
P16	212817.982	601416.402
P17	212822.120	601417.835
P18	212822.488	601416.359
P19	212826.458	601418.325
P20	212826.653	601417.747

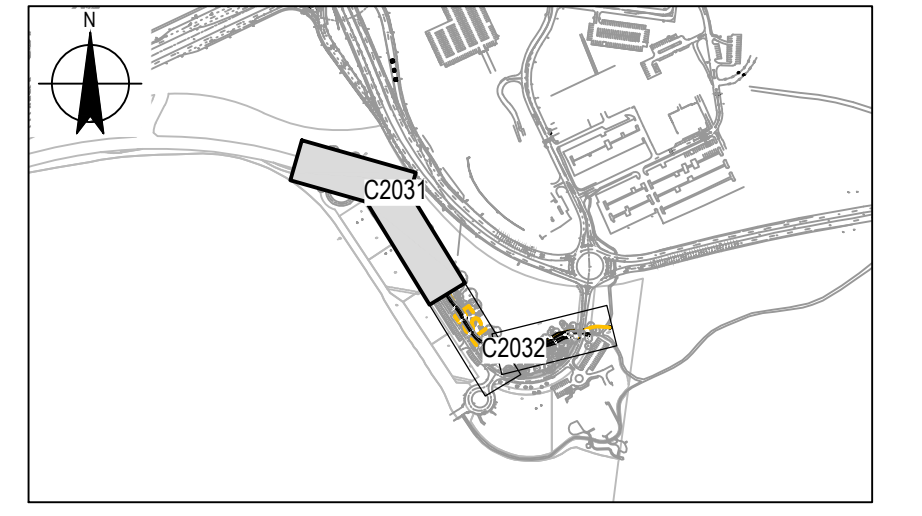
1 DETAIL
C2012 SCALE 1 : 50



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	Drafting Check G. POCKNEE	Design Check G. POCKNEE	
	Approved (Project Director) K. O'BRIEN	Date 07 APRIL 2021	
	Scale 1:50	This Drawing must not be used for Construction unless signed as Approved	



PLAN
SCALE 1:250



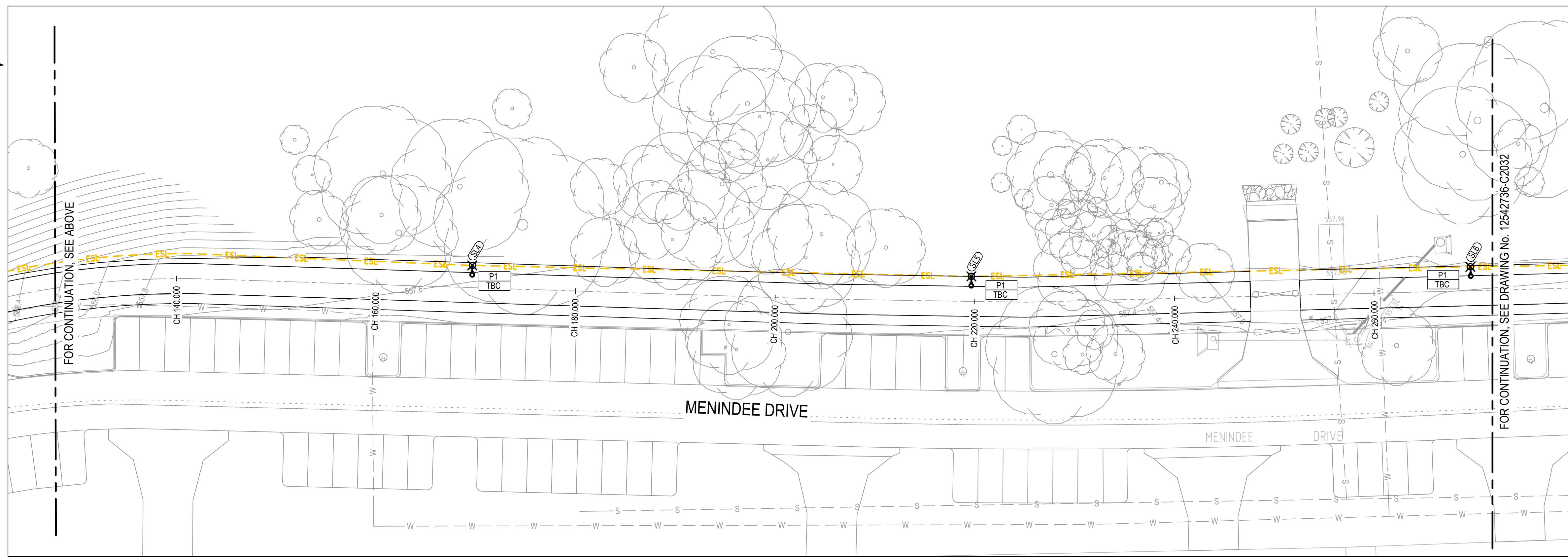
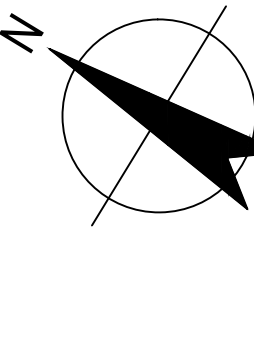
KEYPLAN
NOT TO SCALE

LEGEND:

- ESL NEW STREETLIGHTING SUPPLY (4 X 1C 16mm² XLPE/PVC IN 50mm DIA CONDUIT)
- ESL EXISTING STREETLIGHTING SUPPLY
- EXISTING STREETLIGHTING SUPPLY TO BE ABANDONED
- NEW STREET LIGHT
- STREETLIGHT INSTALLATION TYPE REFER TABLE ON 12542736-C2035
- STREETLIGHT SETOUT POINT REFER TABLE ON 12542736-C2035
- EXISTING STREETLIGHT

NOTES:

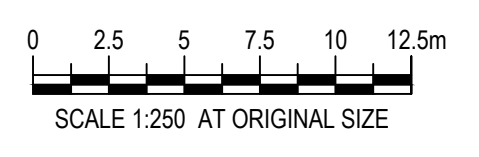
1. REFER TO DRAWING 12542736-C2035 FOR STREET LIGHTING DETAILS.
2. ALL STREET LIGHTING DRAWINGS SHALL BE READ IN CONJUNCTION WITH:
 - TCCS DESIGN STANDARDS FOR URBAN INFRASTRUCTURE STREET LIGHTING SECTION 12.
 - TCCS STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS STREET LIGHTING SECTION 14.
 - TCCS DESIGN STANDARDS FOR URBAN INFRASTRUCTURE STANDARD DRAWINGS SECTION 12 STREET LIGHTING.



PLAN
SCALE 1:250

PRELIMINARY

No	Revision	Note	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21

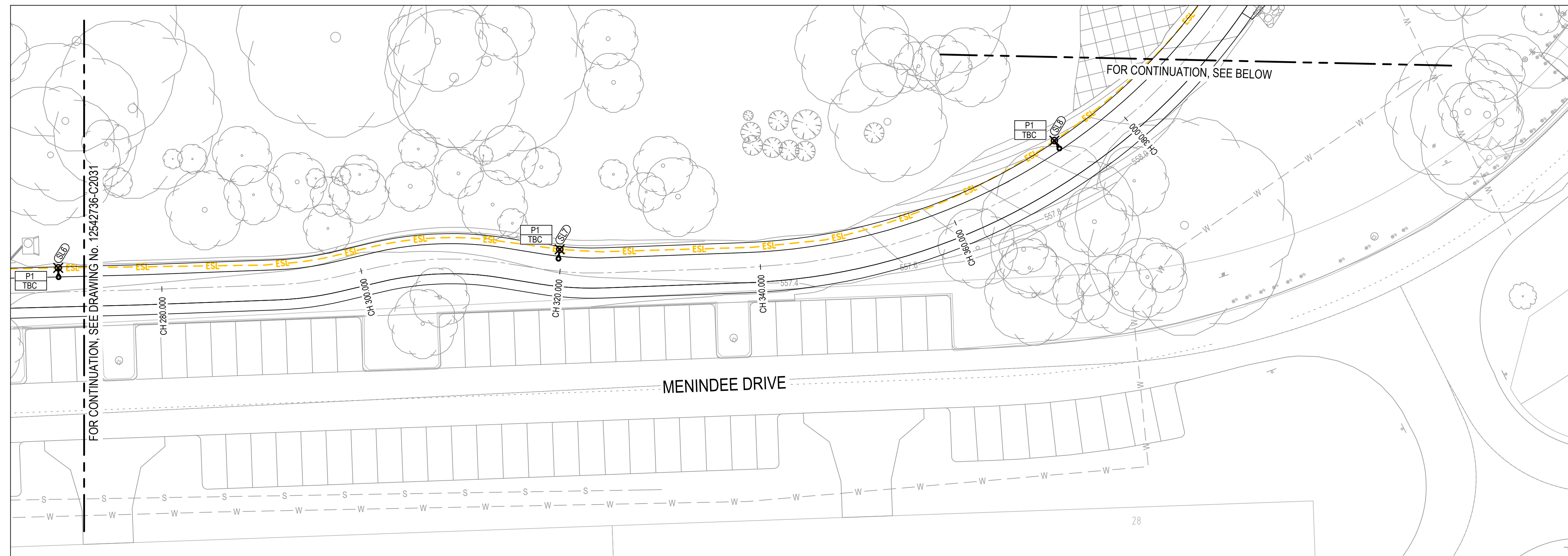
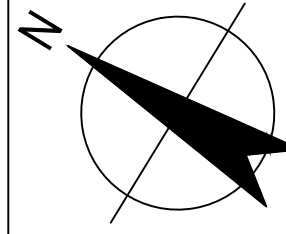


DO NOT SCALE

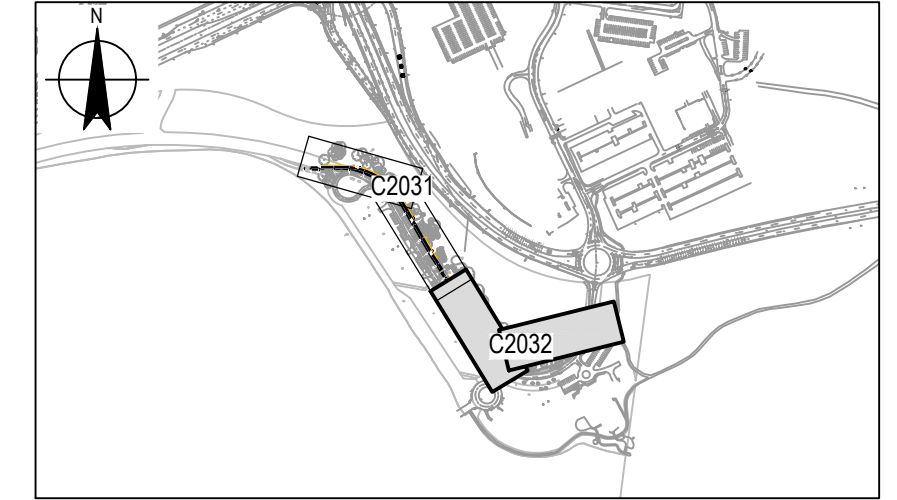
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Drawn	R. MARTINEZ	Designer	A. HUSSAIN
Drafting Check	G. POCKNEE	Design Check	C. HEINRICH
Approved (Project Director)	K. O'BRIEN		
Date	07 APRIL 2021		
Scale	1:250		

Client	TRANSPORT CANBERRA AND CITY SERVICES		
Project	MENINDEE DRIVE LINK PATH		
Title	STREET LIGHTING PLAN - SHEET 1 OF 2		
Original Size	A1	Drawing No:	12542736-C2031
Rev:	0		



PLAN
SCALE 1:250



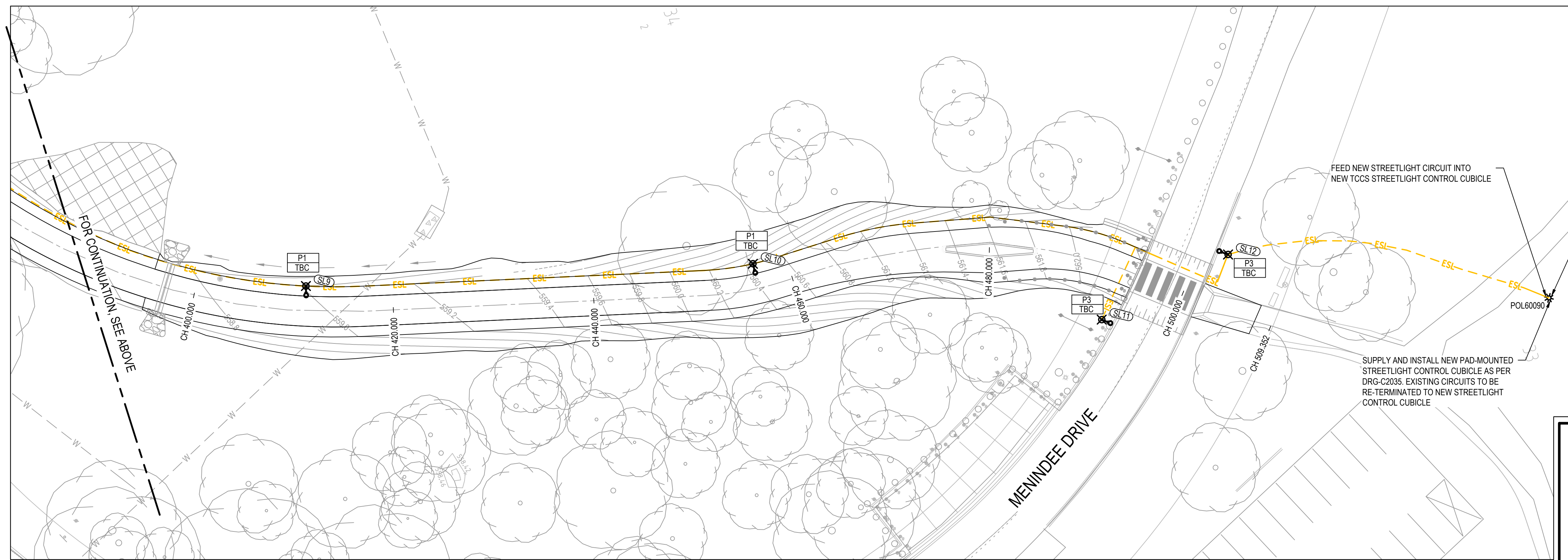
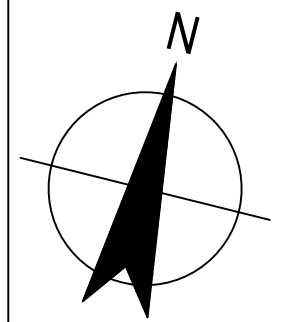
KEYPLAN
NOT TO SCALE

LEGEND:

- NEW STREETLIGHTING SUPPLY (4 X 1C 16mm² XLPE/PVC IN 50mm DIA CONDUIT)
- EXISTING STREETLIGHTING SUPPLY
- EXISTING STREETLIGHTING SUPPLY TO BE ABANDONED
- NEW STREET LIGHT
- STREETLIGHT INSTALLATION TYPE REFER TABLE ON 12542736-C2035
- STREETLIGHT SETOUT POINT REFER TABLE ON 12542736-C2035
- EXISTING STREETLIGHT

NOTES:

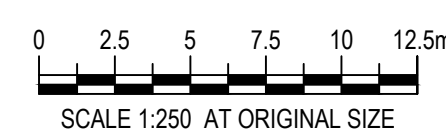
1. REFER TO DRAWING 12542736-C2035 FOR STREET LIGHTING DETAILS.
2. ALL STREET LIGHTING DRAWINGS SHALL BE READ IN CONJUNCTION WITH:
 - TCCS DESIGN STANDARDS FOR URBAN INFRASTRUCTURE STREET LIGHTING SECTION 12.
 - TCCS STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS STREET LIGHTING SECTION 14.
 - TCCS DESIGN STANDARDS FOR URBAN INFRASTRUCTURE STANDARD DRAWINGS SECTION 12 STREET LIGHTING.



PLAN
SCALE 1:250

EXISTING POLE-MOUNTED STREETLIGHT CONTROL CUBICLE CONTAINS ASBESTOS. REMOVAL AND DISPOSAL BY QUALIFIED ASBESTOS REMOVALIST ONLY.

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



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Drawn	R. MARTINEZ	Designer	A. HUSSAIN
Drafting Check	G. POCKNEE	Design Check	C. HEINRICH
Approved (Project Director)	K. O'BRIEN		
Date	07 APRIL 2021		
Scale	1:250	This Drawing must not be used for Construction unless signed as Approved	

Client **TRANSPORT CANBERRA AND CITY SERVICES**
Project **MENINDEE DRIVE LINK PATH**

Title **STREET LIGHTING PLAN - SHEET 2 OF 2**

Original Size **A1** Drawing No: **12542736-C2032**

Rev: **0**

LIGHTING LEGEND

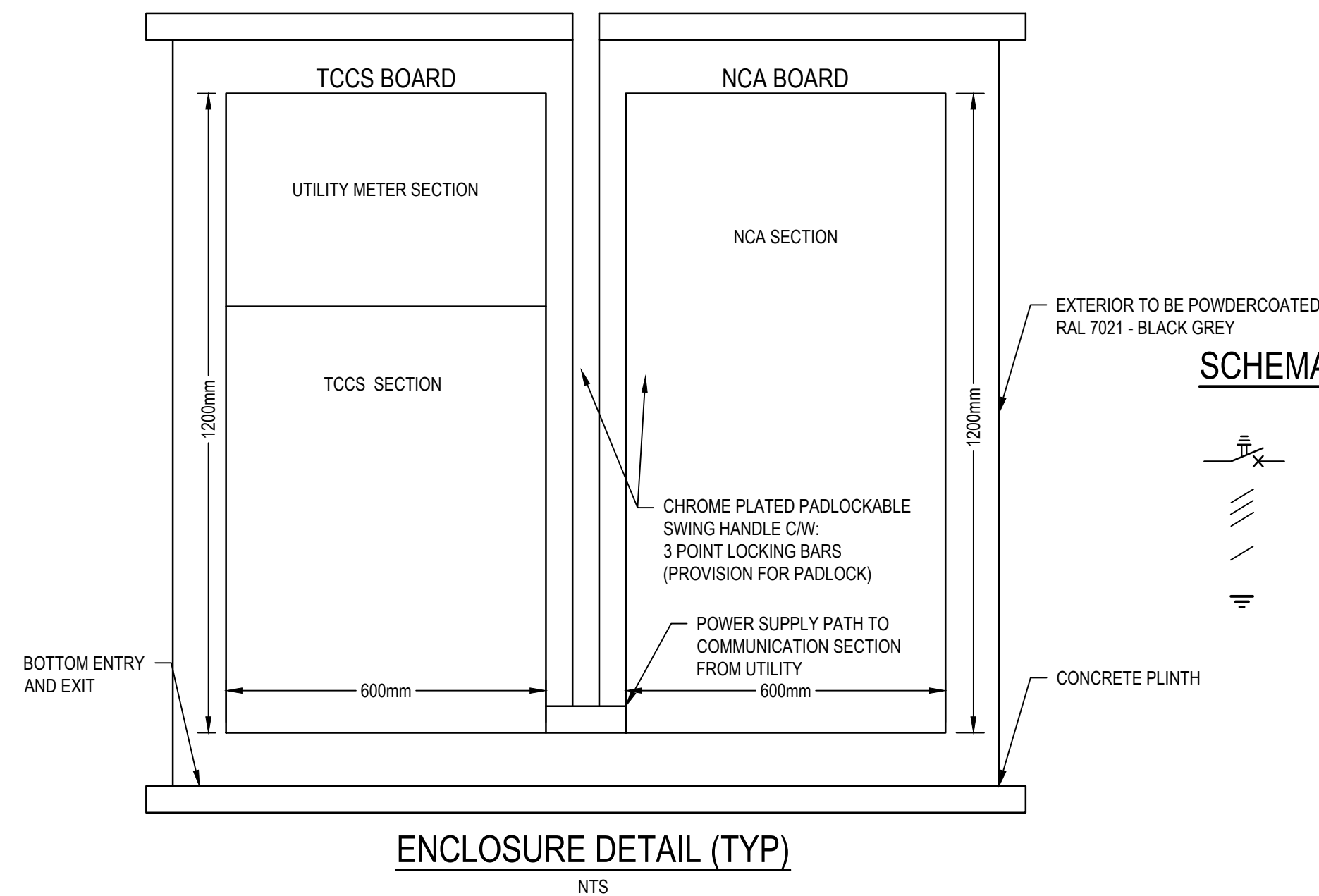
INSTALLATION TYPE	DESCRIPTION	LAMP				MOUNTING ARRANGEMENT	LOUVRE / DIFFUSER / REFLECTOR	BALLAST	CONTROL STRATEGY	EQUAL TO MANUFACTURER / MODEL NO.
		TYPE	QTY.	WATTAGE	COLOUR TEMP.					
P1 001	NEW POLE MOUNTED LUMINAIRE.	LED	10	132	4000	MOUNTED ON 6m POLE WITH SINGLE OUTREACH, EACH OUTREACH 1.5m IN LENGTH	PMMA	ELECTRONIC	CONNECTED TO LIGHTING CONTROL CUBICLE FOR PE CELL CONTROLS	Cree LEDway LXDTMB706E43BK
P3 001	NEW POLE MOUNTED PEDESTRIAN CROSSING LUMINAIRE	LED	2	96	4000	MOUNTED ON 6m POLE WITH SINGLE OUTREACH, EACH OUTREACH 1.5m IN LENGTH	SAFETY GLASS LENS	ELECTRONIC	CONNECTED TO LIGHTING CONTROL CUBICLE FOR PE CELL CONTROLS	WEEF FLC141

GENERAL NOTES:

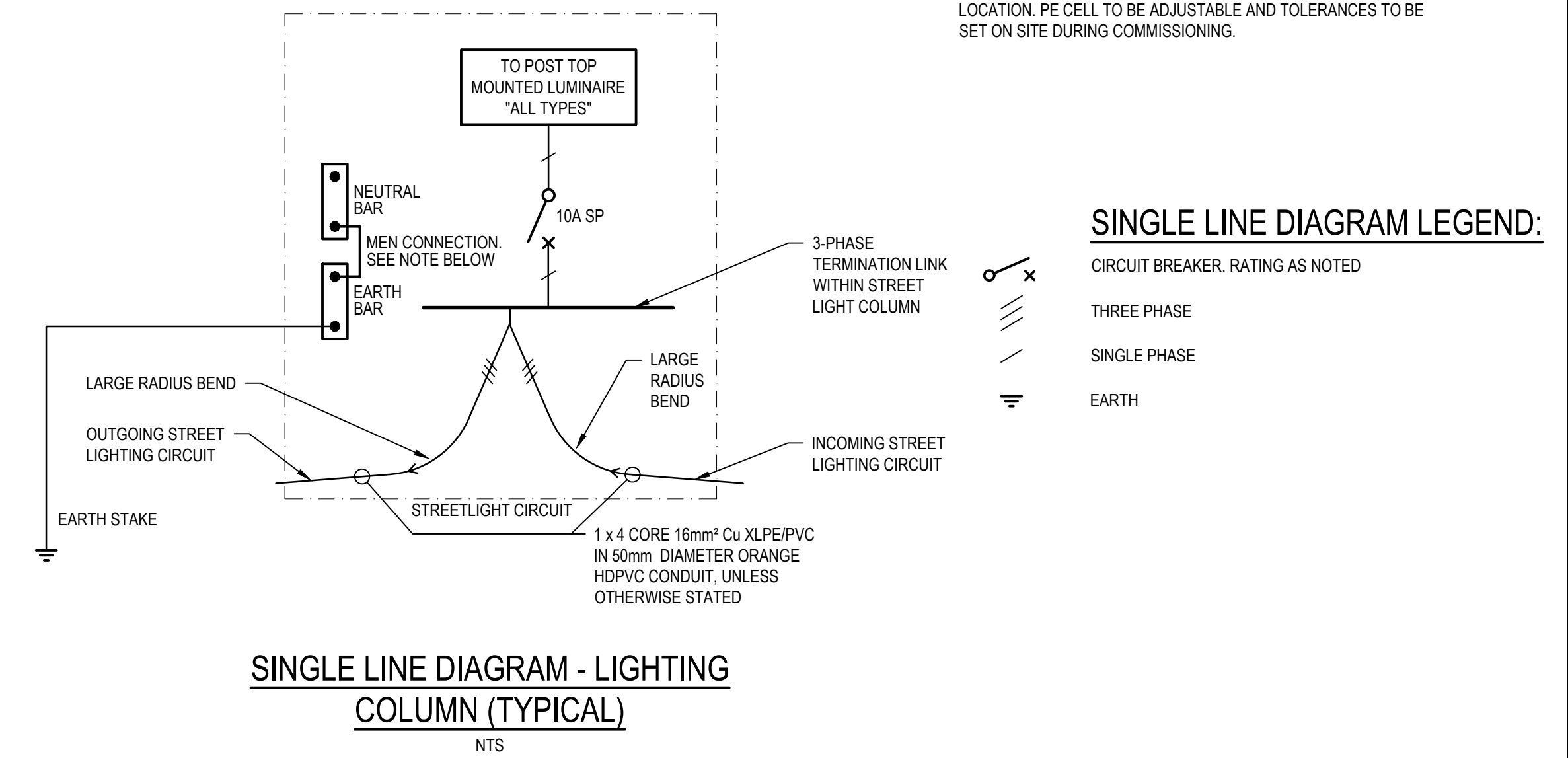
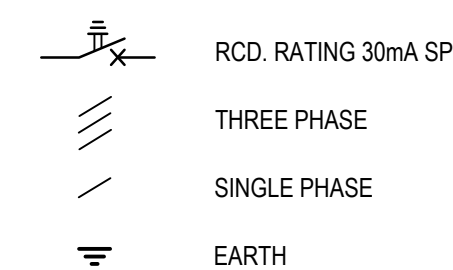
- ALL STREET LIGHTING DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATION.
- ALL ELECTRICAL WORK SHALL COMPLY WITH AS/NZS 3000.
- CONTRACTOR TO UNDERBORE ROADS OR HYDROEXCAVATE TREES AND STRUCTURES. NO TRENCHING PERMITTED WITHIN IDENTIFIED TPZ. CONFIRM ANY TPZ WITH QPRC PRIOR TO THE COMMENCEMENT OF WORKS.
- CONTRACTOR SHALL TRENCH, INSTALL CONDUIT, BACKFILL AND MAKE ALONG CABLE ROUTE. TRENCH TO BE RESTORED TO EXISTING CONDITIONS.
- EXISTING UNDERGROUND SERVICES ARE SHOWN FOR INFORMATION ONLY. PRECISE LOCATIONS SHALL BE CONFIRMED BY CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
- WHERE MULTIPLE CONDUITS ENTER BASE OF COLUMN, ENSURE THERE IS SUFFICIENT SPACE FOR TERMINATION OF CONDUITS.
- PE CELL TO BE WATERPROOF AND INSTALLED IN FUNCTIONAL LOCATION. PE CELL TO BE ADJUSTABLE AND TOLERANCES TO BE SET ON SITE DURING COMMISSIONING.

STREETLIGHTS SETOUT TABLE

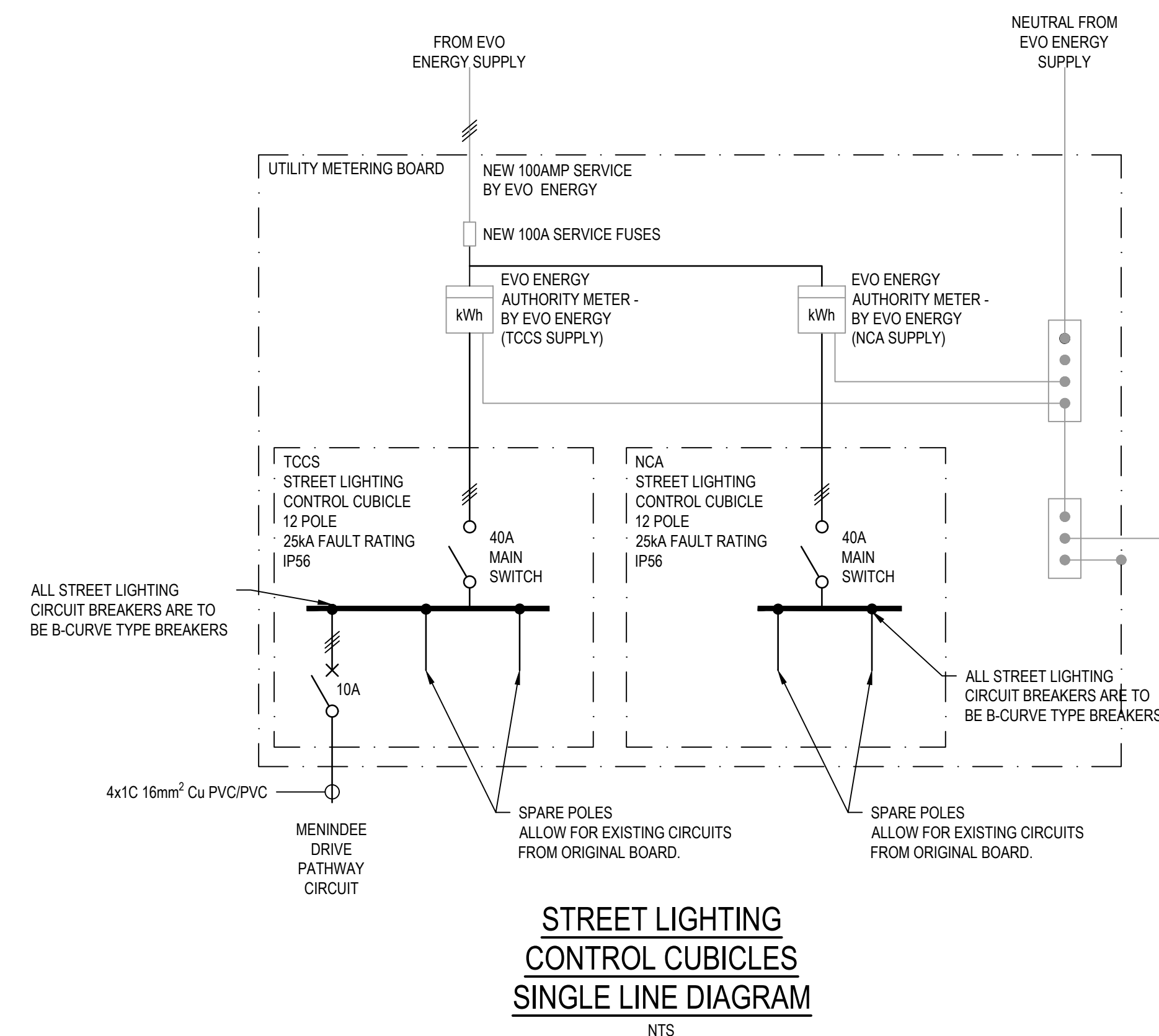
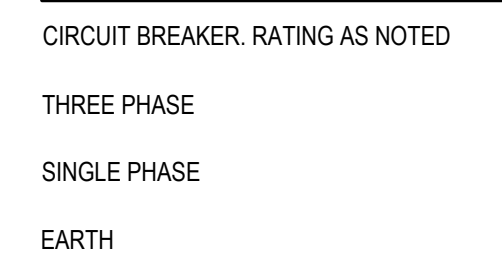
POINT #	NORTHING	EASTING
SL1	601632.954	212486.420
SL2	601630.774	212536.259
SL3	601606.801	212579.420
SL4	601564.925	212606.560
SL5	601521.706	212631.700
SL6	601479.565	212658.602
SL7	601437.898	212686.241
SL8	601401.499	212721.203
SL9	601397.170	212757.072
SL10	601410.076	212799.759
SL11	601413.072	212834.830
SL12	601422.403	212845.478



SCHEMATICS LEGEND:



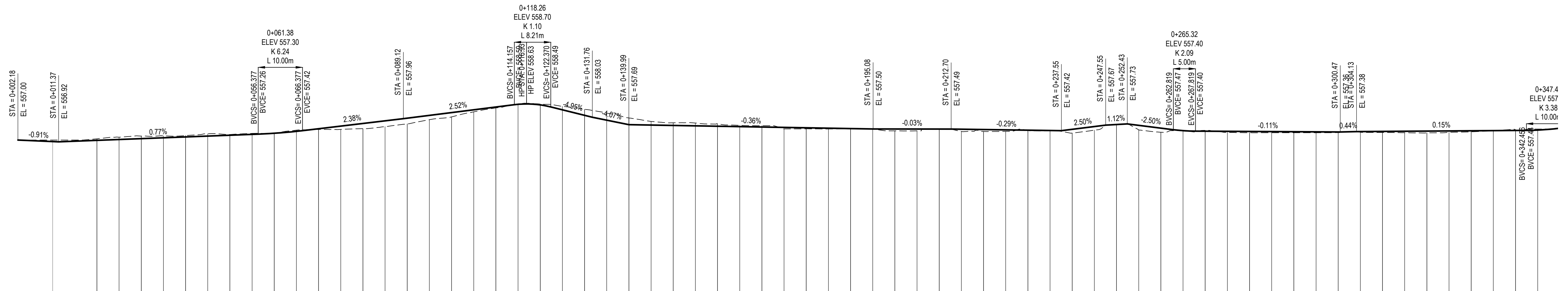
SINGLE LINE DIAGRAM LEGEND:



No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



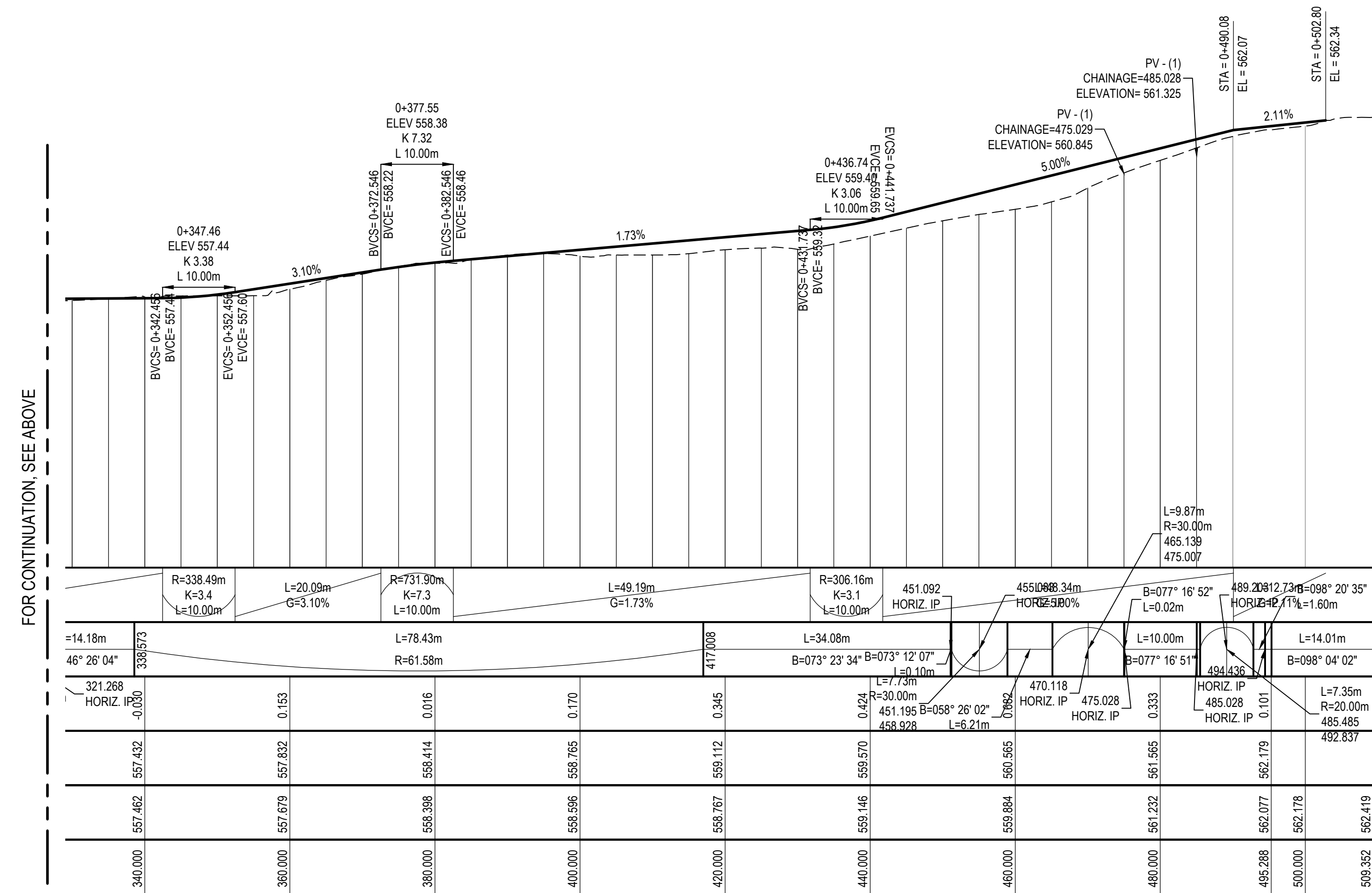
DO NOT SCALE	Drawn R. MARTINEZ	Designer A. HUSSAIN	Client TRANSPORT CANBERRA AND CITY SERVICES
Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check G. POCKNEE	Design Check C. HEINRICH	Project MENINDEE DRIVE LINK PATH
	Approved (Project Director) K. O'BRIEN	Date 07 APRIL 2021	Title STREET LIGHTING DETAILS
	Scale NTS	This Drawing must not be used for Construction unless signed as Approved	Original Size A1 Drawing No: 12542736-C2035 Rev: 0



DATUM 550.000

VERTICAL ALIGNMENT	L=9.19m G=-0.91%	L=45.01m G=0.77%	R=623.77m K=6.2 L=10.00m	L=22.74m G=2.38%	L=25.04m G=2.52%	R=110.03m K=1.1 L=8.21m	L=9.39m G=-4.95%	L=8.24m G=-4.07%	L=55.09m G=-0.36%	L=17.62m G=-0.03%	L=24.85m G=-0.29%	L=10.00m G=2.50%	L=4.88m G=1.12%	L=10.39m G=2.90%	R=209.32m K=2.1 L=5.00m	L=6.18m R=31.32m L=291.482 G=-0.11%	L=32.66m G=0.11%	L=13.70m R=146° 27' 32"	L=3.96m R=157° 44' 07"	L=38.32m G=0.15%	R=338.45 K=3.4 L=10.00m	
HORIZONTAL ALIGNMENT	L=11.50m B=092° 28' 44"	L=36.62m B=090° 00' 00"	L=9.00m R=623.77m	L=89.03m R=86.88m	L=141.481	L=63.69m B=150° 24' 36"	L=19.86m B=149° 26' 31"	L=52.76m B=147° 04' 40"	L=13.70m B=146° 27' 32"	L=3.96m R=157° 44' 07"	L=38.32m G=0.15%	L=14.18m B=146° 26' 04"	L=14.18m R=338.45									
LEVEL DIFFERENCE CUT - / FILL +	L=4.33m R=100.00m 11.500 15.827	-0.070	-0.062	-0.007	0.235	0.192	-0.039	-0.301	-0.110	0.047	0.083	0.088	0.171	0.186	0.057	B=135° 09' 23" L=3.91m	0.031	0.084	0.084	0.084	0.084	0.084
DESIGN SURFACE LEVEL	557.053	556.983	557.138	557.303	557.746	558.237	558.585	557.683	557.622	557.551	557.496	557.471	557.481	557.536	557.387	557.364	557.403	557.403	557.403	557.403	557.403	
EXISTING SURFACE LEVEL	557.053	557.200	557.138	557.311	557.511	558.044	558.624	557.994	557.732	557.504	557.414	557.383	557.310	557.350	557.330	557.334	557.319	557.319	557.319	557.319	557.319	
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	

LONGITUDINAL SECTION - PATH 01
SCALE: H 1:500 V 1:100



FOR CONTINUATION, SEE ABOVE

FOR CONTINUATION, SEE BELOW

No	Revision	Note	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21

VERTICAL 1:40 AT ORIGINAL SIZE
HORIZONTAL 1:200 AT ORIGINAL SIZE

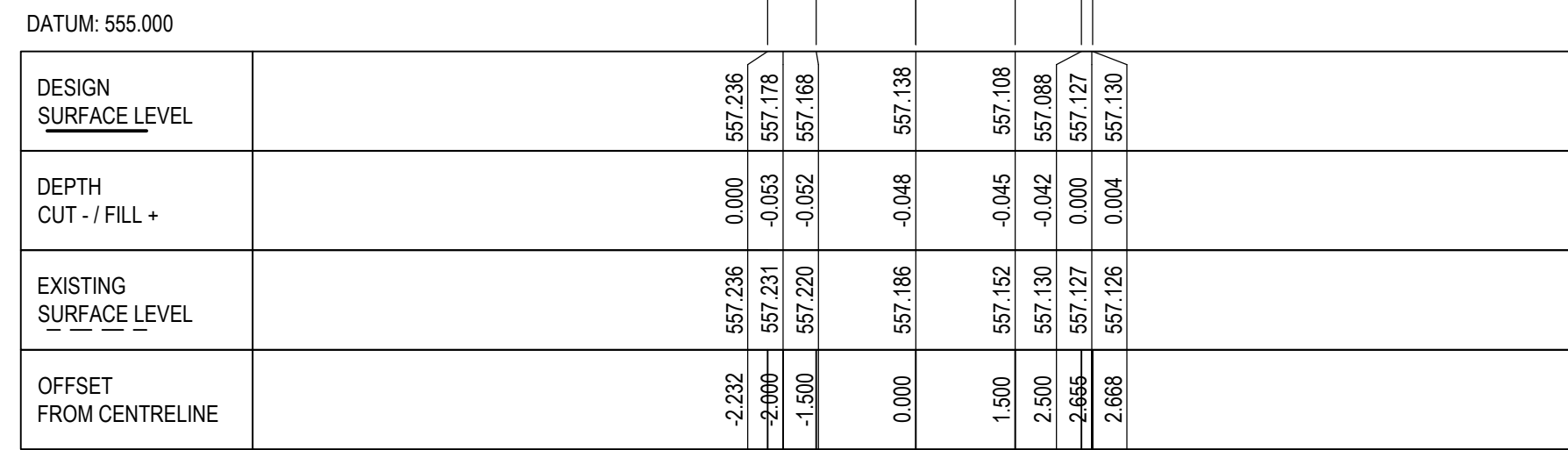
Level 7, 16 Marcus Clarke Street
Canberra ACT 2601 Australia
GPO Box 1877 Canberra ACT 2601
T 61 2 6113 3200 F 61 2 6113 3299
E cbmail@ghd.com W www.ghd.com

DO NOT SCALE

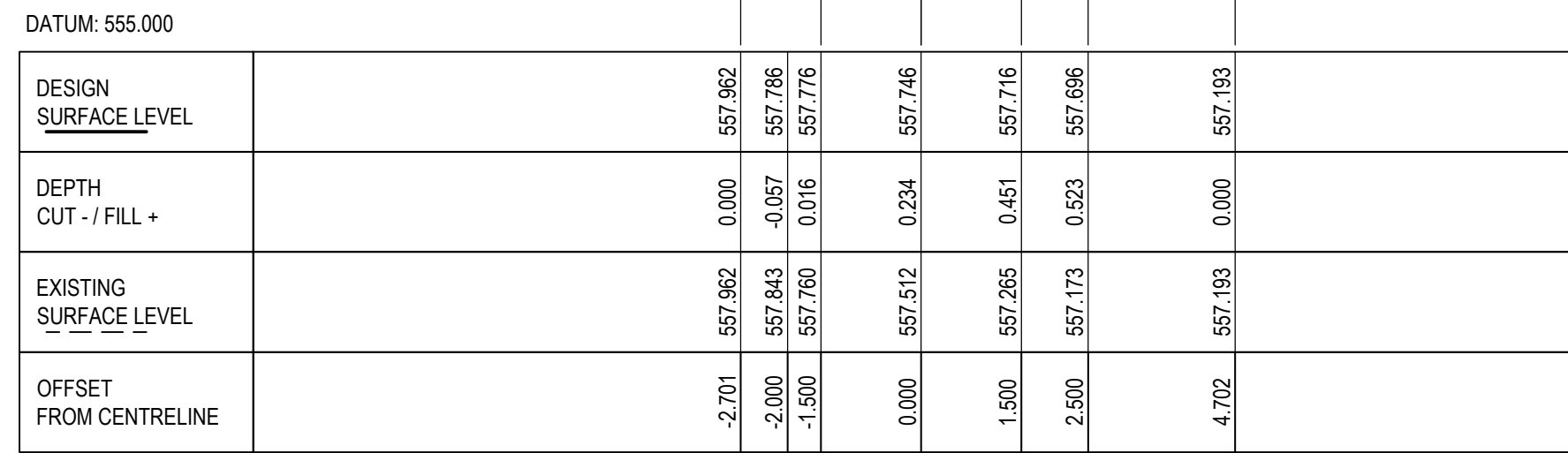
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Drawn R. MARTINEZ
Designer A. HUSSAIN
Drafting G. POCKNEE
Design Check G. POCKNEE
Approved K. O'BRIEN
(Project Director)
Date 07 APRIL 2021
Scale 1:250

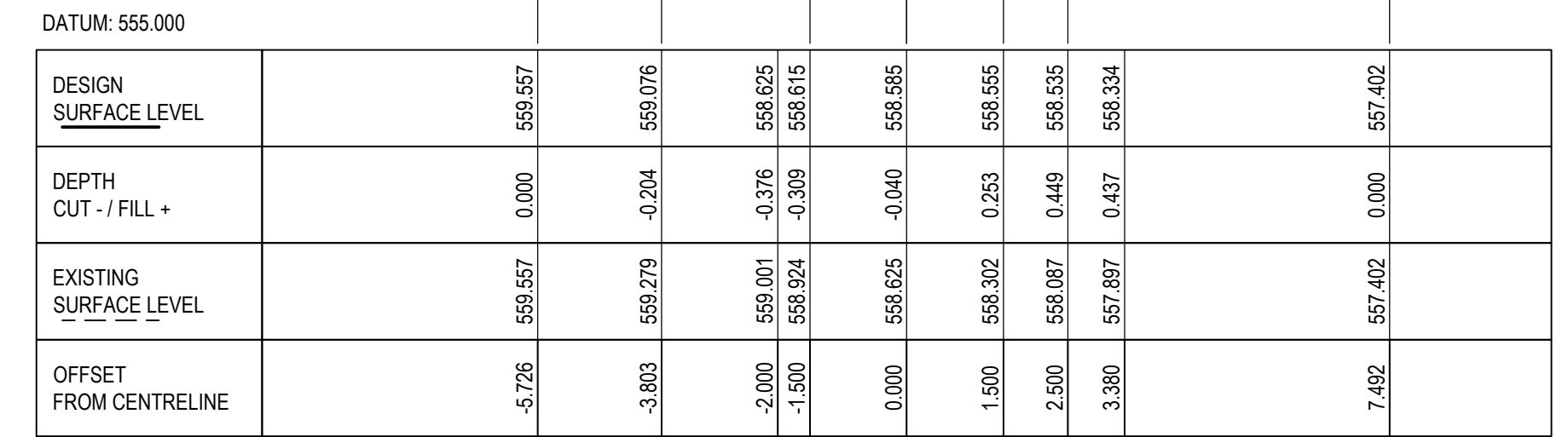
Client **TRANSPORT CANBERRA & CITY SERVICES**
Project **MENINDEE DRIVE LINK PATH**
Title **PATH 01
LONGITUDINAL SECTION**
Original Size **A1**
Drawing No: **12542736-C2040**
Rev: **0**



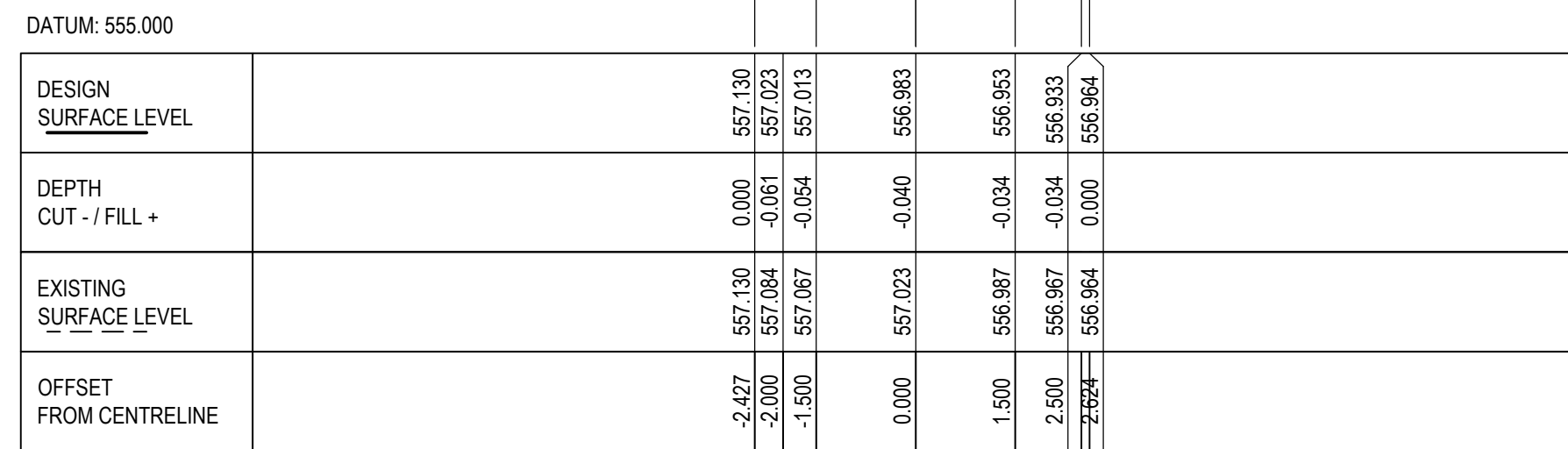
CH 40.000



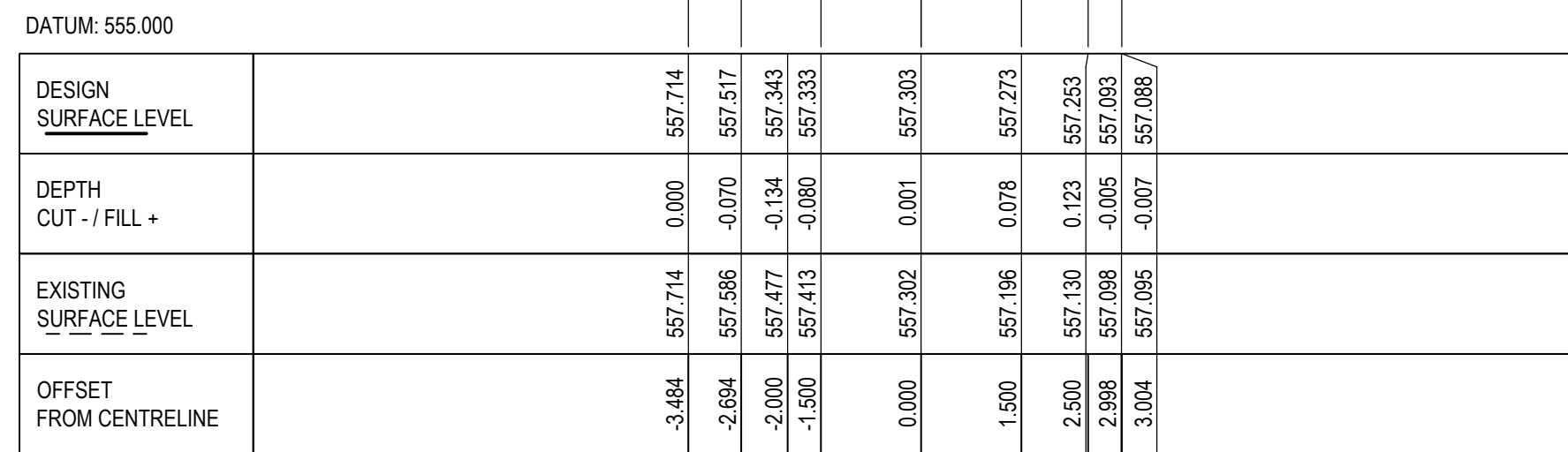
CH 80.000



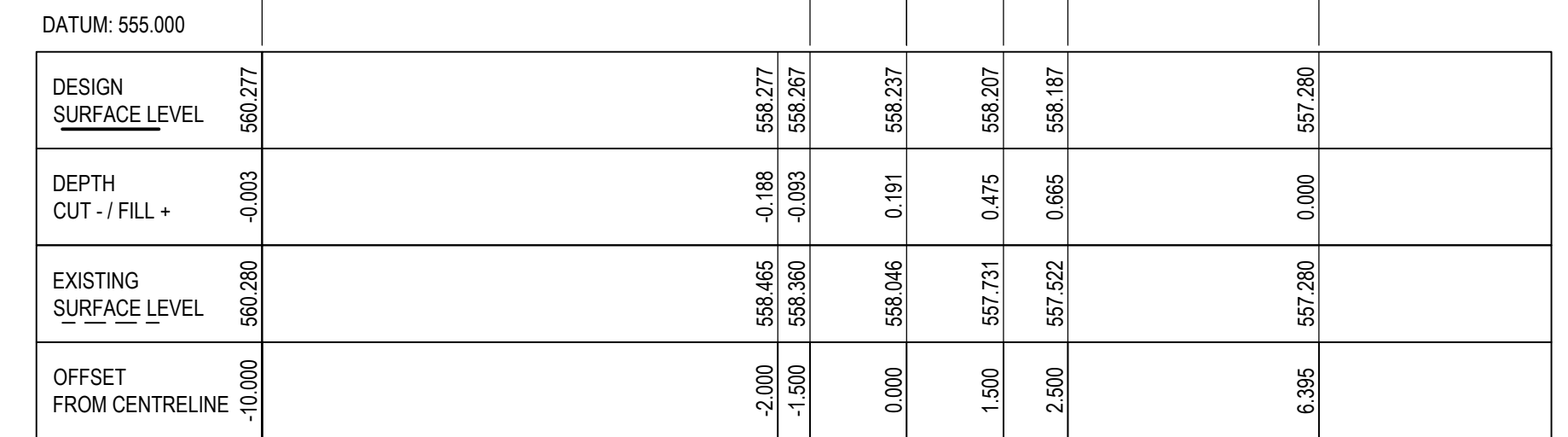
CH 120.000



CH 20.000

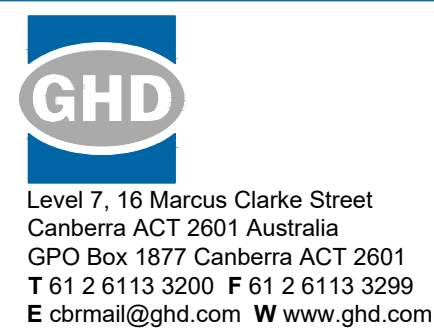


CH 60.000

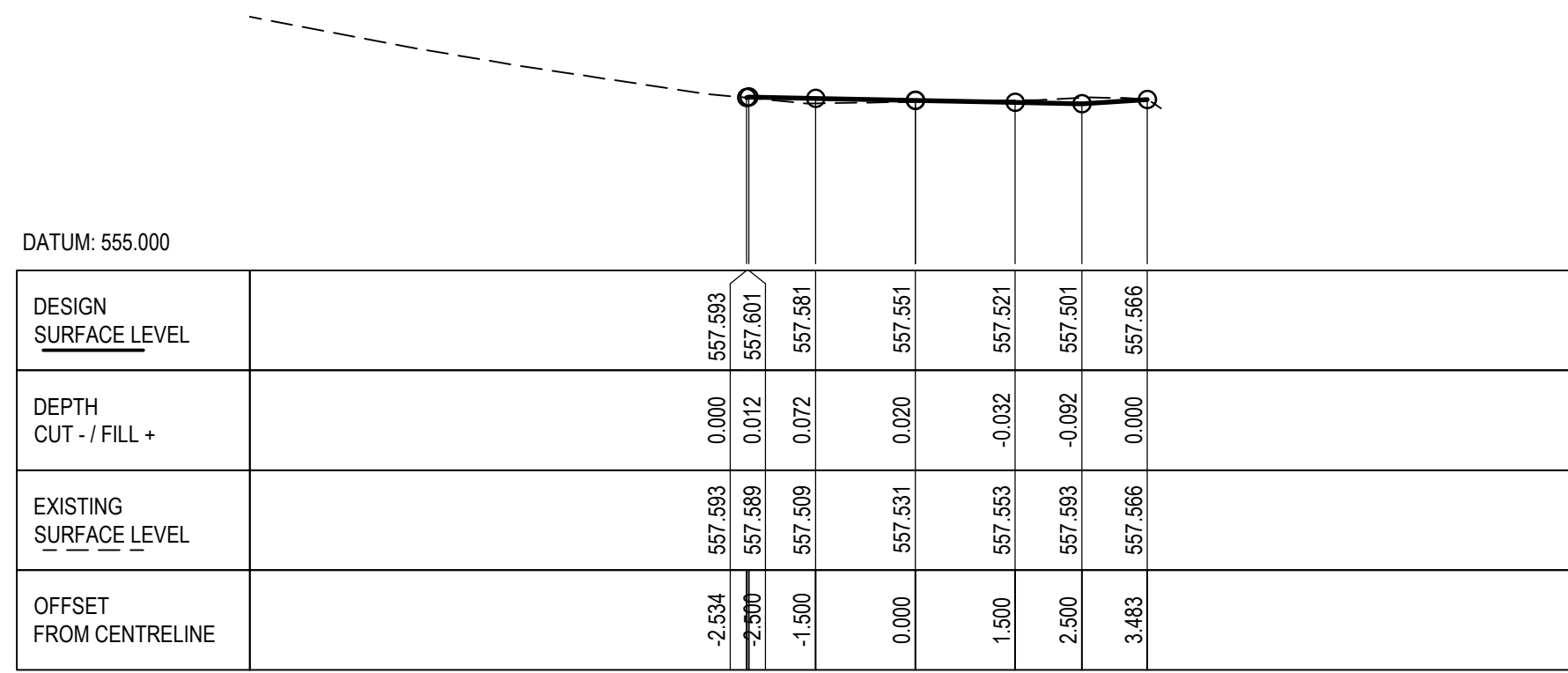


CH 100.000

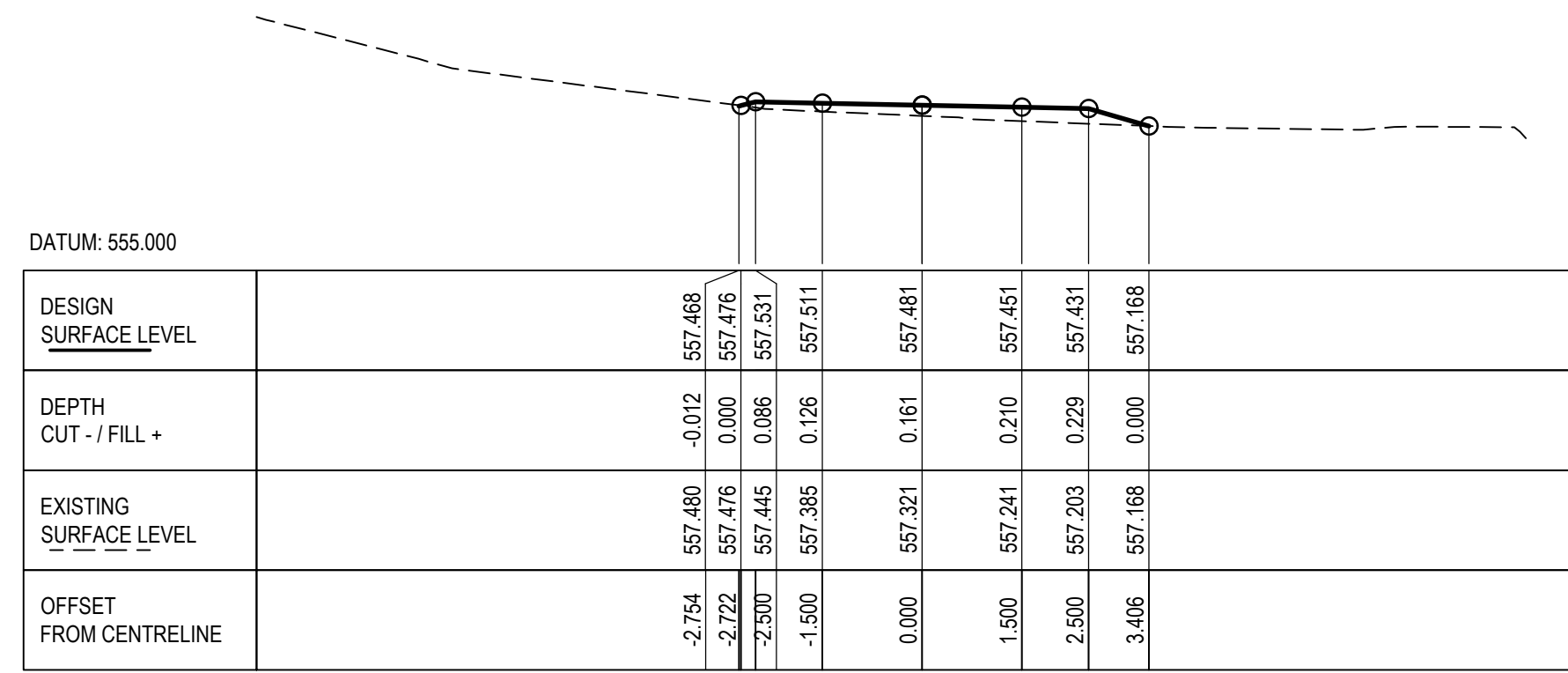
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	DI*	KOB*	Project Director	Date
0	ORIGINAL ISSUE		RM					07.04.21



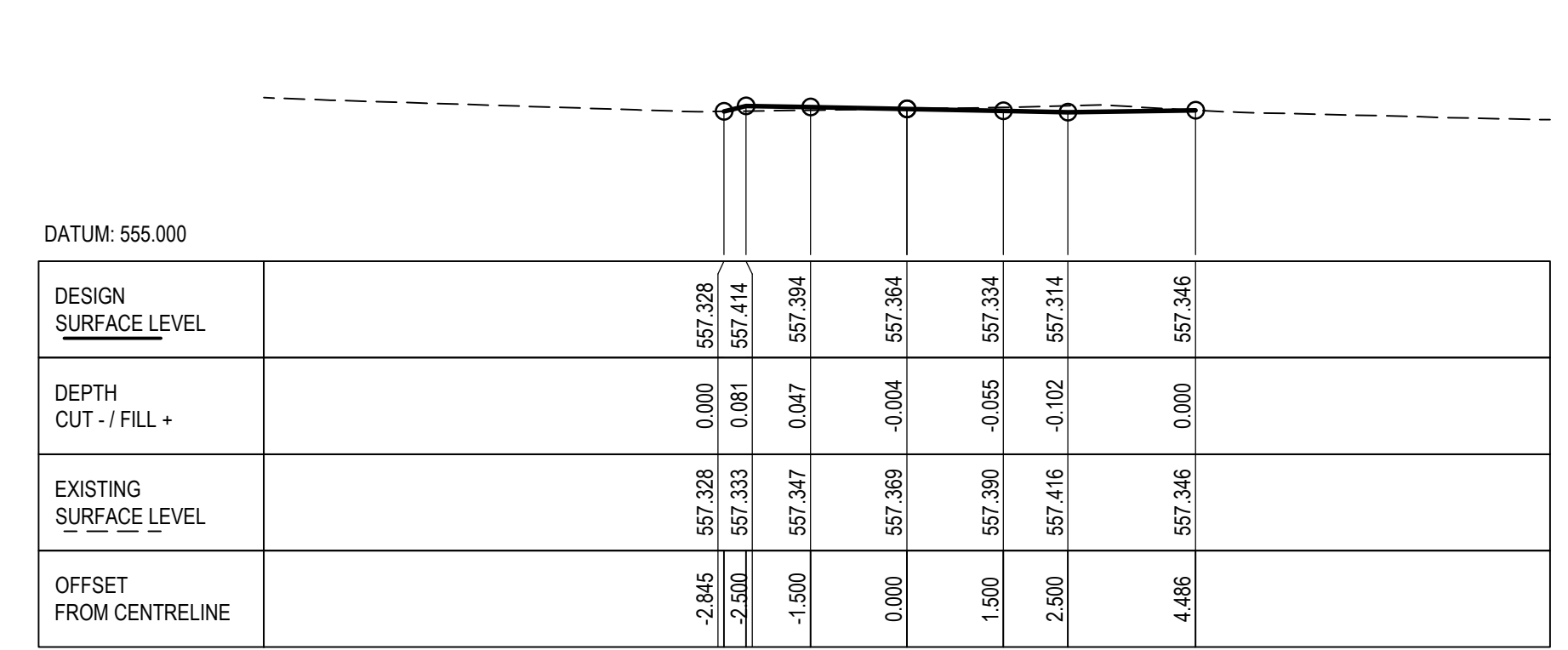
DO NOT SCALE		Drawn	Designer	Client
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		Drafting Check	Design Check	Project
		G. POCKNEE	G. POCKNEE	MENINDEE DRIVE LINK PATH
		Approved (Project Director)		Title
		K. O'BRIEN		PATH 01
		Date	07 APRIL 2021	CROSS SECTIONS - SHEET 1 OF 3
		Scale	1:100	Original Size
		This Drawing must not be used for Construction unless signed as Approved		A1 Drawing No: 12542736-C2045
				Rev: 0



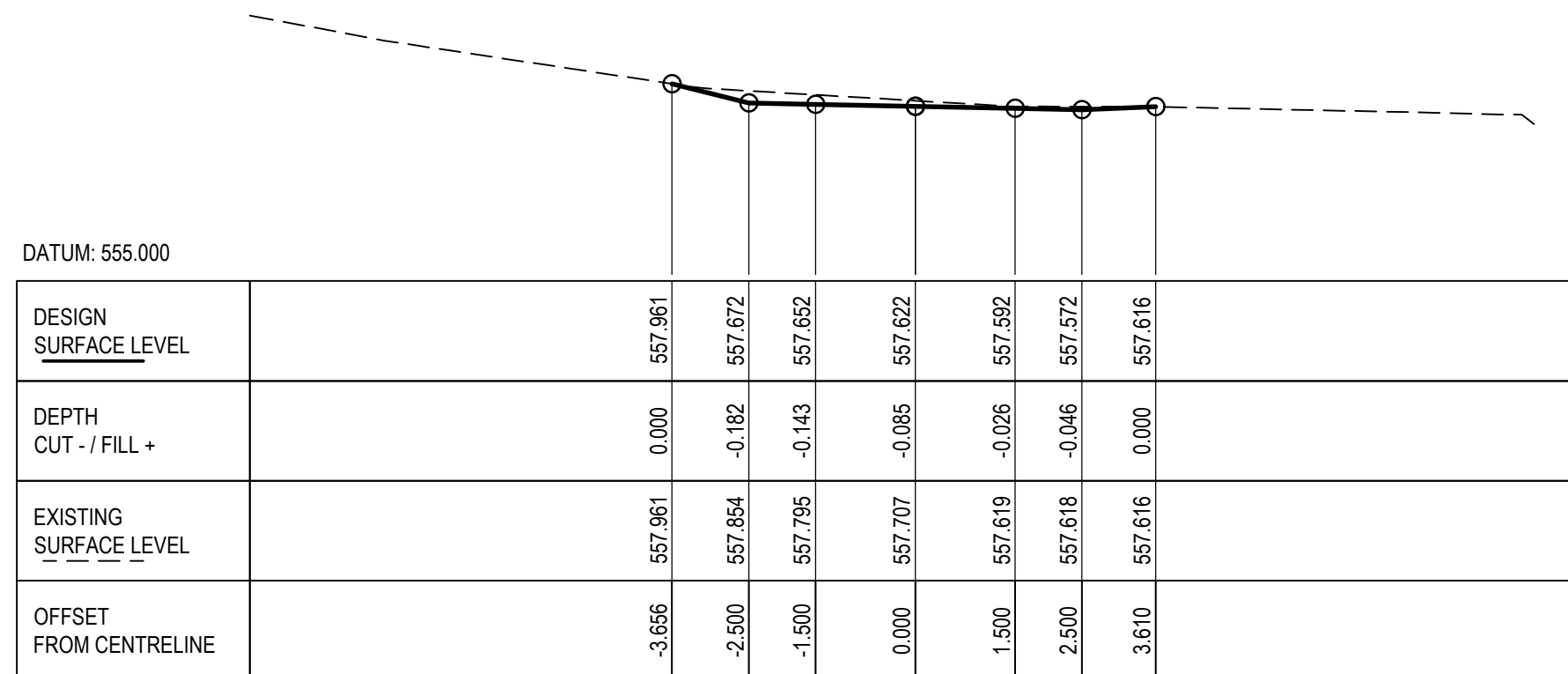
CH 180.000



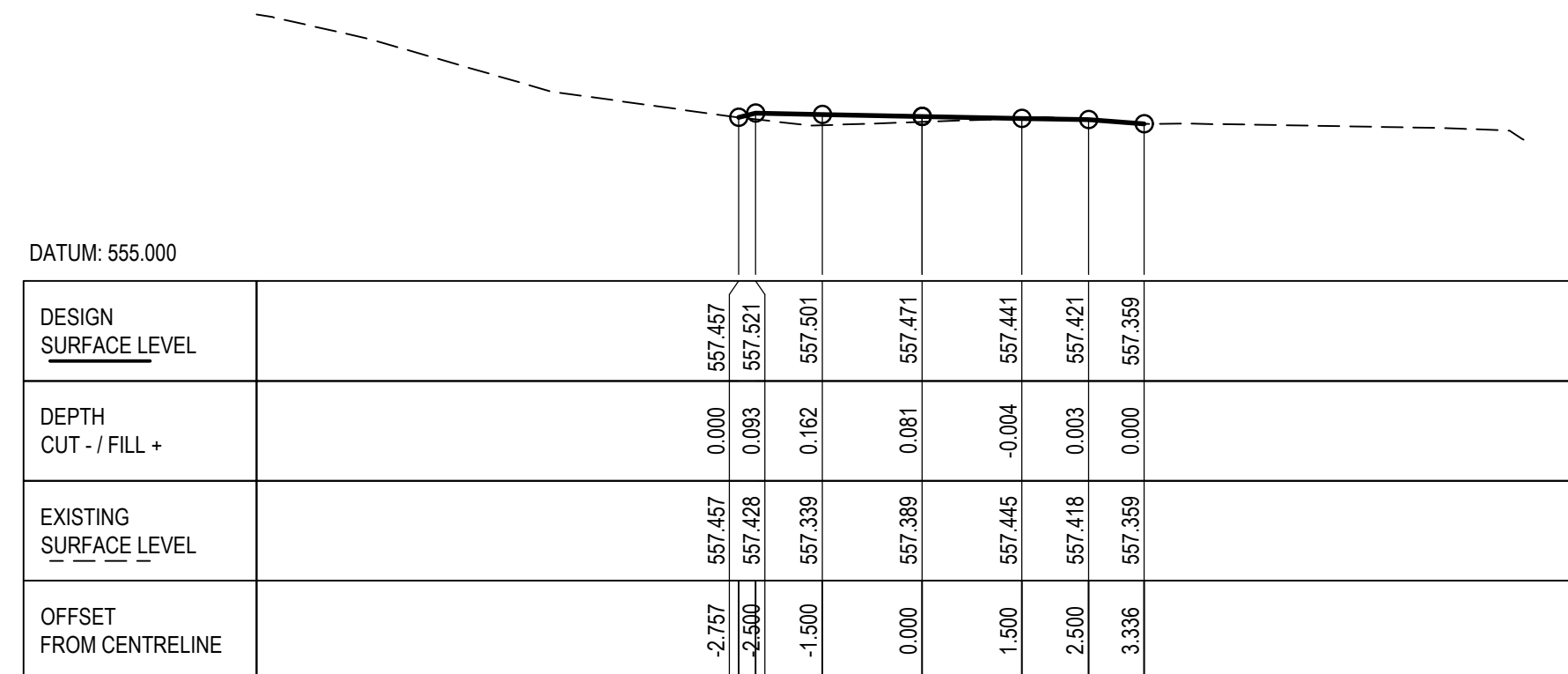
CH 240.000



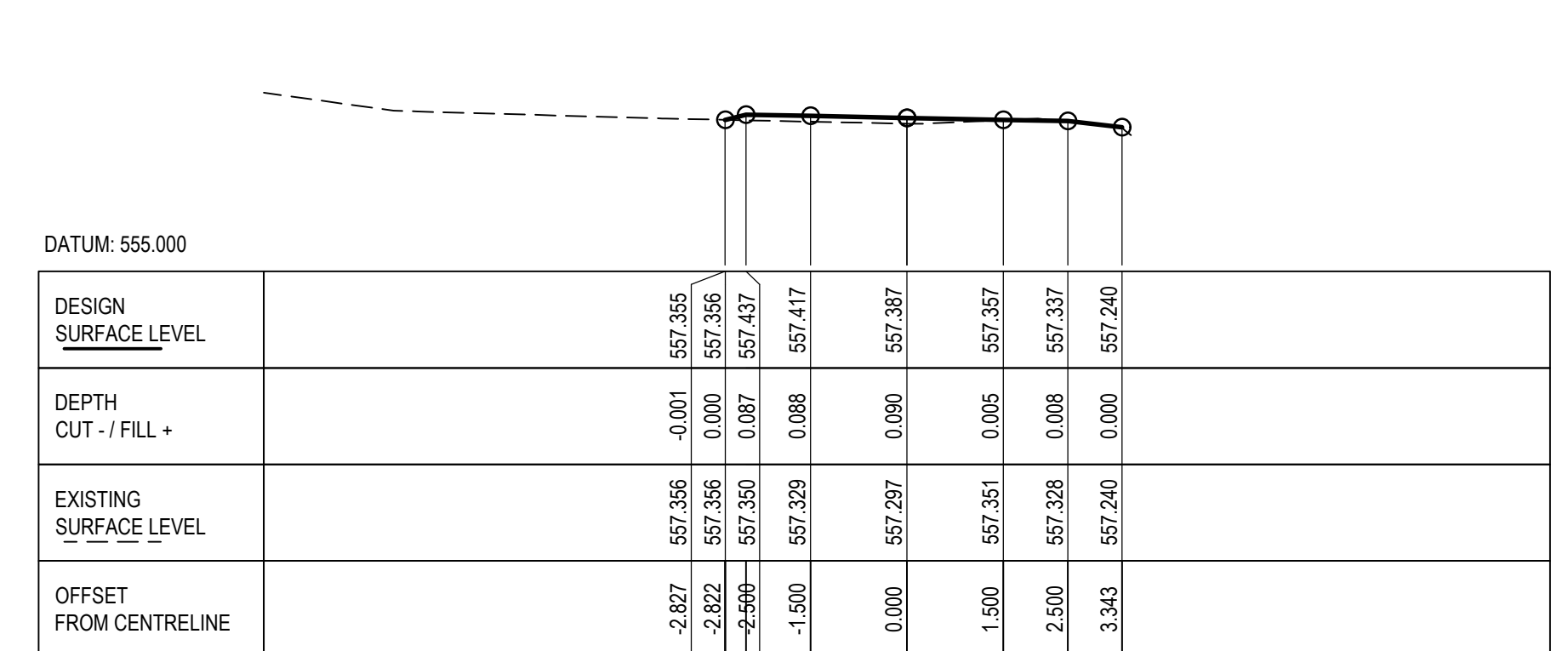
CH 300.000



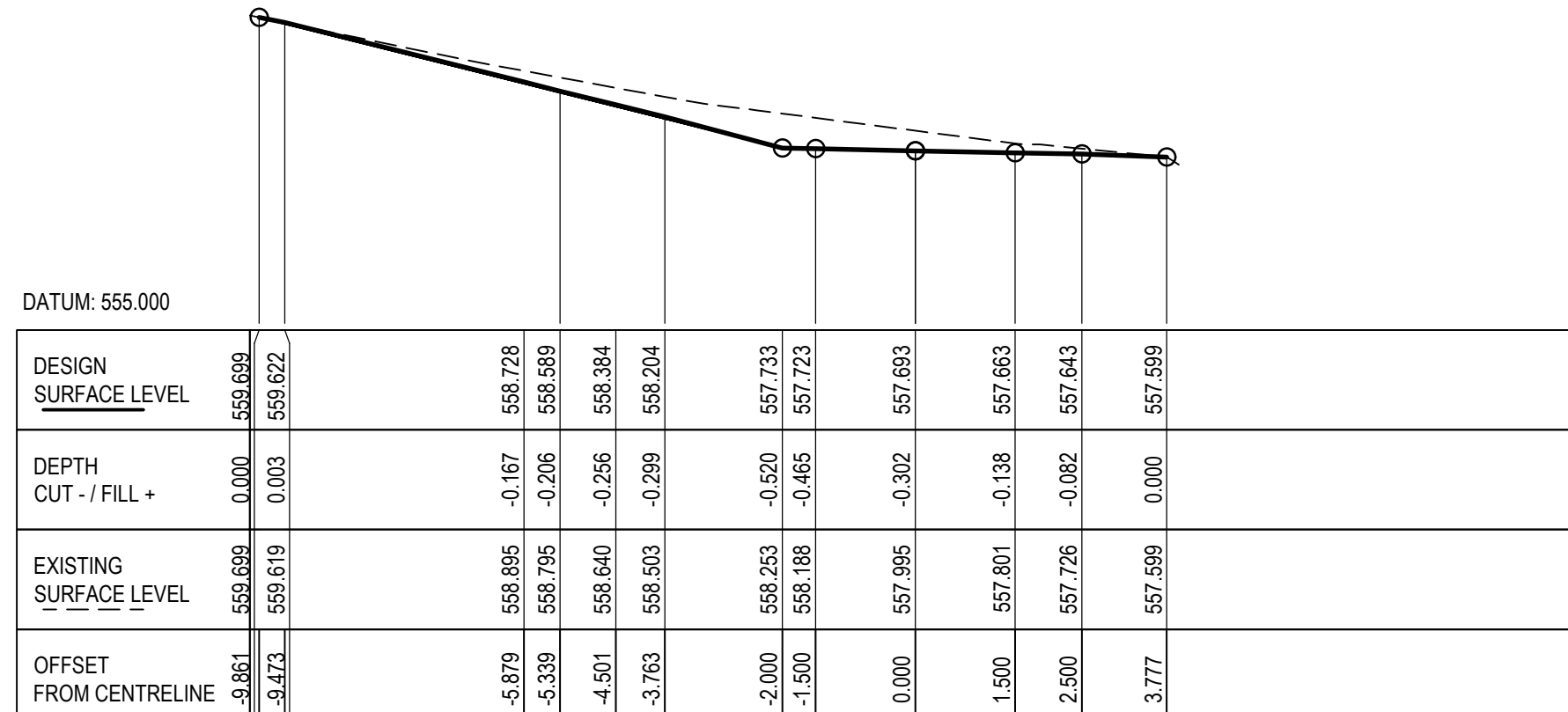
CH 160.000



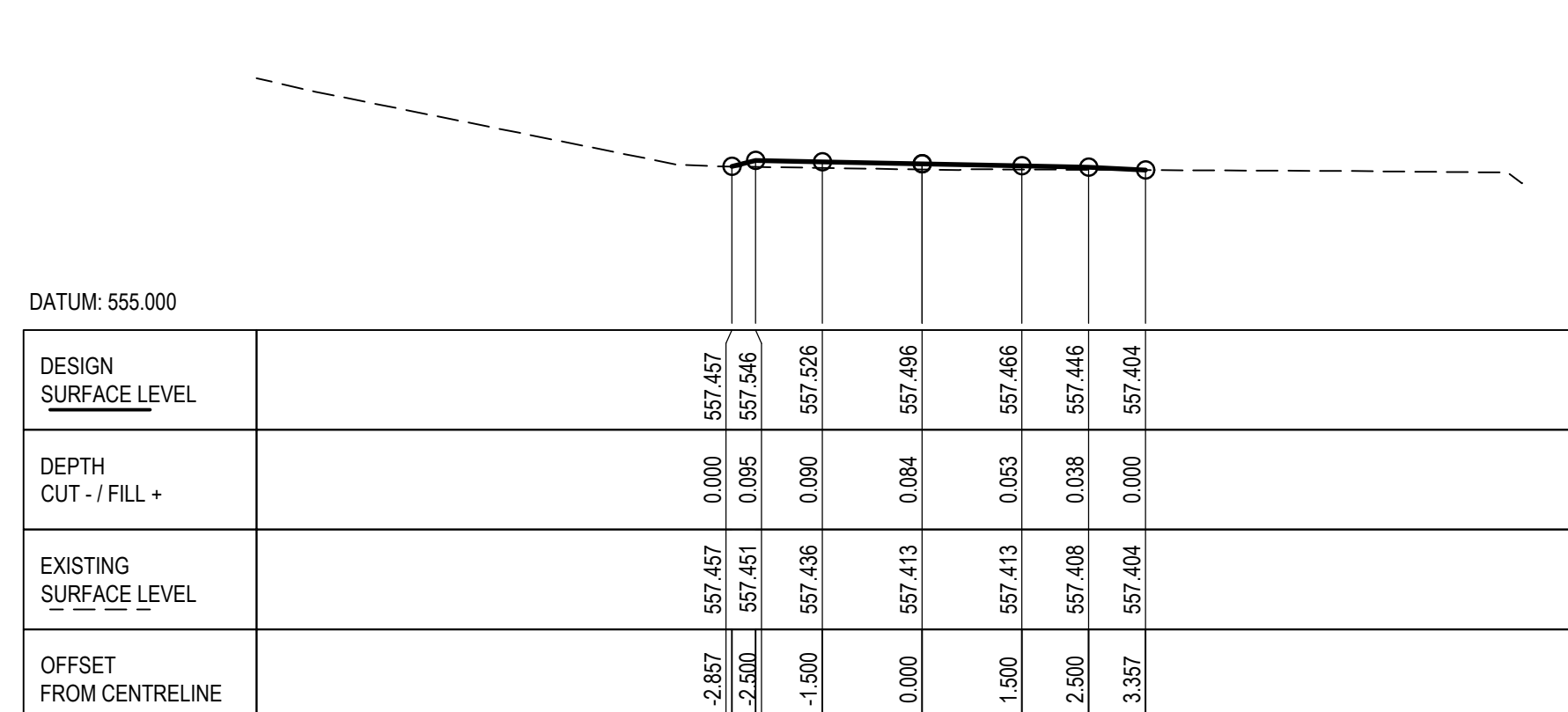
CH 220.000



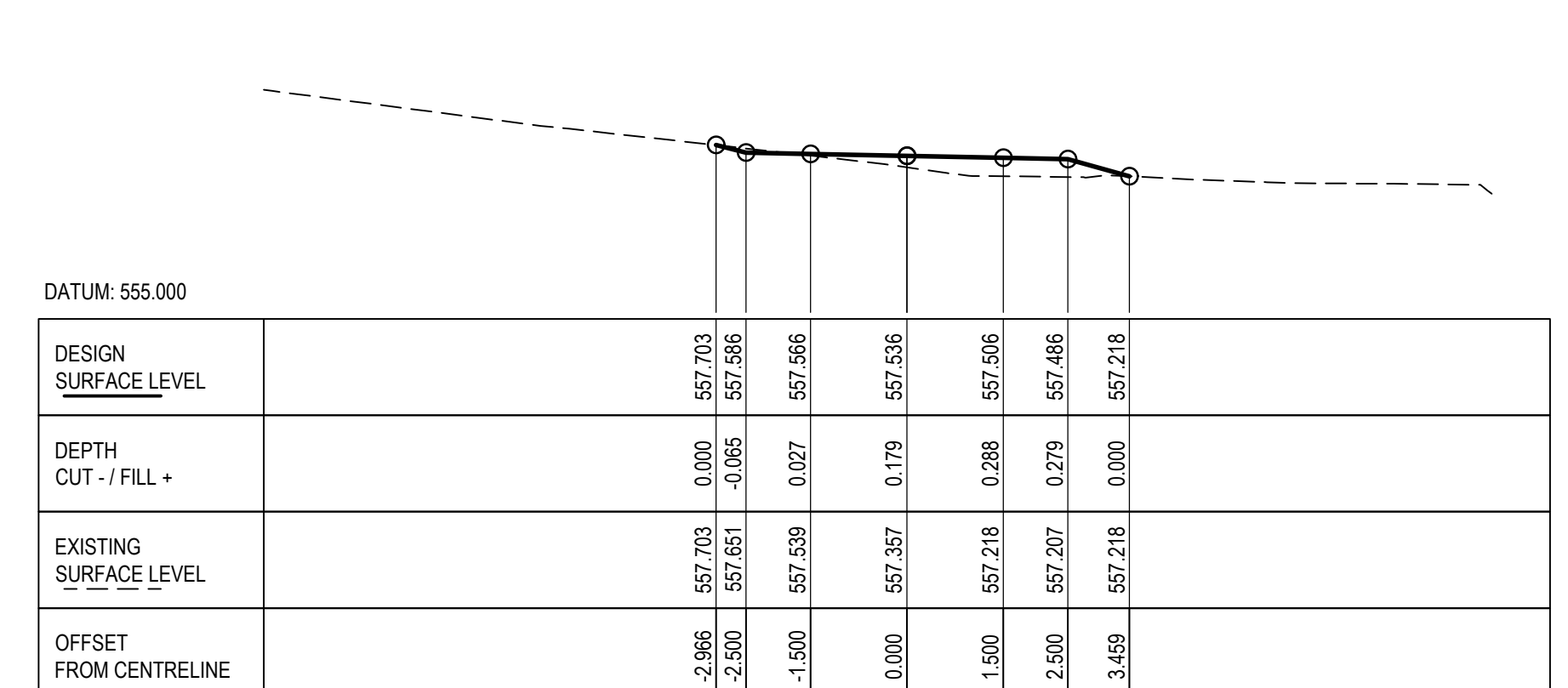
CH 280.000



CH 140.000



CH 200.000



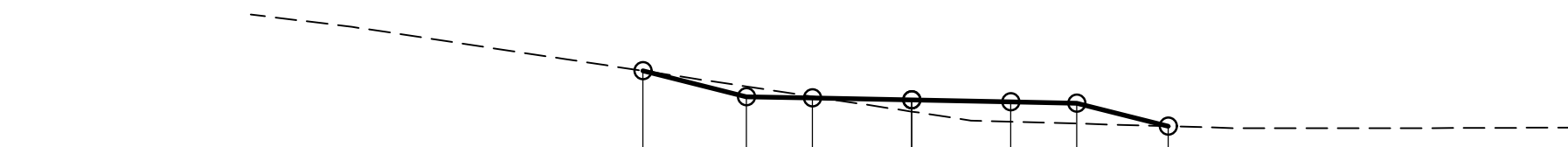
CH 260.000



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Drawn R. MARTINEZ Designer A. HUSSAIN
Drafting Check G. POCKNEE Design Check G. POCKNEE
Approved (Project Director) K. O'BRIEN
Date 07 APRIL 2021
Scale 1:100
This Drawing must not be used for Construction unless signed as Approved

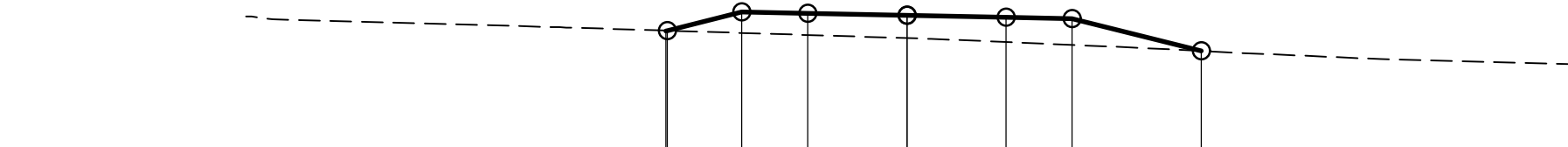
Client **TRANSPORT CANBERRA AND CITY SERVICES**
Project **MENINDEE DRIVE LINK PATH**
Title **PATH 01 CROSS SECTIONS - SHEET 2 OF 3**
Original Size **A1** Drawing No: **12542736-C2046** Rev: **0**



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
558.273	0.000	558.273	-4.066
557.882	-0.154	558.036	-2.500
557.862	-0.023	557.885	-1.500
557.832	0.174	557.658	0.000
557.802	0.298	557.504	1.500
557.782	0.306	557.476	2.500
557.436	0.000	557.436	3.884

CH 360.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
558.975	-0.006	558.981	-3.646
559.881	0.000	559.881	-3.074
559.162	0.316	558.846	-2.500
559.142	0.327	558.815	-1.500
559.112	0.344	558.768	0.000
559.082	0.374	558.708	1.500
559.062	0.397	558.665	2.500
558.573	0.000	558.573	4.458

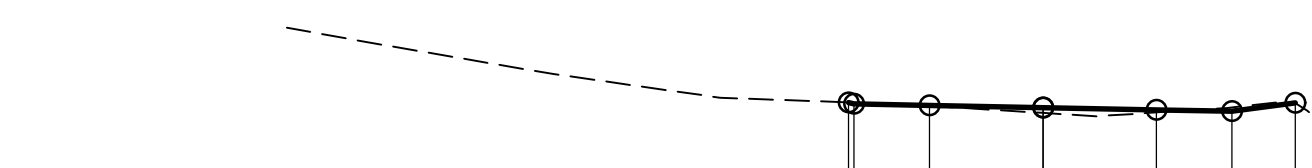
CH 420.000



DATUM: 560.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
561.331	0.000	561.331	-4.464
561.631	0.316	561.315	-3.267
561.611	0.310	561.301	-2.267
561.565	0.332	561.233	0.000
561.520	0.357	561.163	2.267
561.500	0.351	561.149	3.267
561.130	0.000	561.130	4.748
561.128	0.000	561.130	4.749

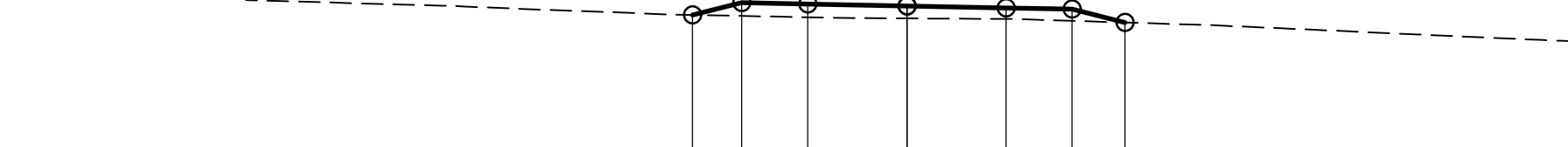
CH 480.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
557.500	0.000	557.500	-2.572
557.462	-0.015	557.477	-2.500
557.462	0.006	557.456	-1.500
557.432	0.070	557.362	0.000
557.402	0.035	557.367	1.500
557.382	-0.052	557.435	2.500
557.494	0.000	557.494	3.337

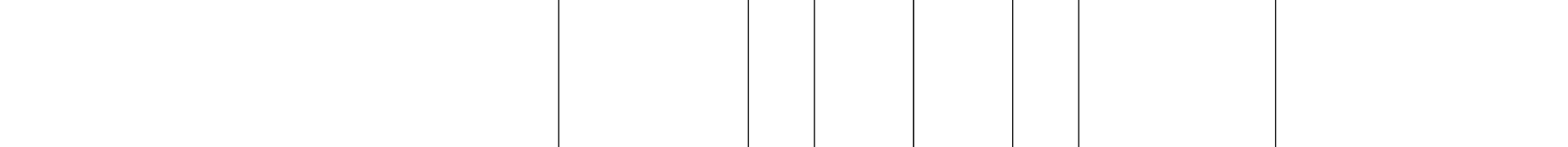
CH 340.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
558.629	0.000	558.629	-3.245
558.615	0.201	558.614	-2.500
558.795	0.200	558.595	-1.500
558.765	0.188	558.577	0.000
558.735	0.166	558.569	1.500
558.715	0.175	558.540	2.500
558.515	0.000	558.515	3.299

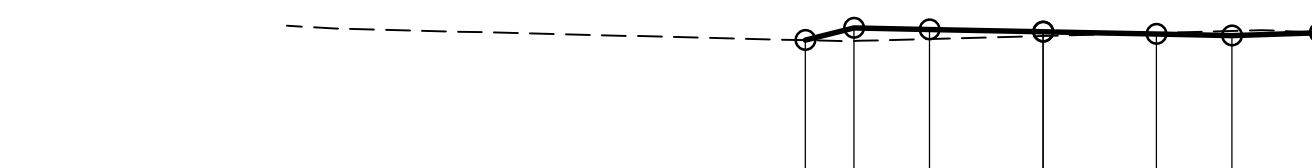
CH 400.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
559.898	0.000	559.898	-5.370
560.615	0.713	559.902	-2.500
560.595	0.709	559.886	-1.500
560.585	0.704	559.861	0.000
560.535	0.699	559.837	1.500
560.515	0.695	559.820	2.500
559.771	0.000	559.771	5.478

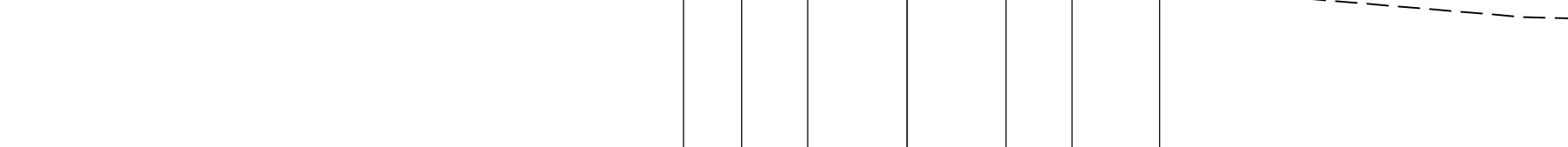
CH 460.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
557.292	0.000	557.292	-3.143
557.453	0.171	557.282	-2.500
557.433	0.125	557.308	-1.500
557.403	0.096	557.347	0.000
557.373	-0.013	557.386	1.500
557.353	-0.059	557.412	2.500
557.300	0.000	557.300	3.658

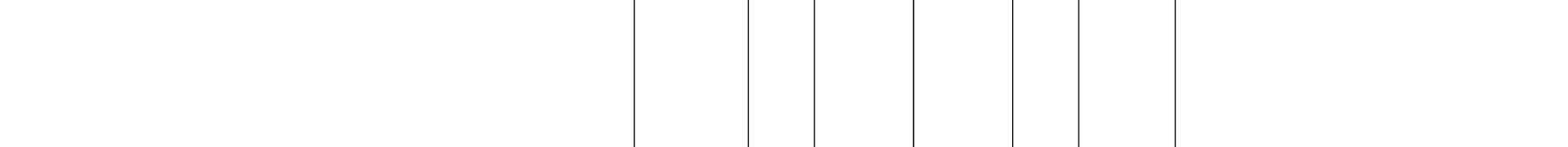
CH 320.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
558.664	0.000	558.664	-3.380
558.464	-0.152	558.616	-2.500
558.444	-0.086	558.530	-1.500
558.414	0.013	558.401	0.000
558.384	0.122	558.262	1.500
558.364	0.218	558.145	2.500
558.033	0.000	558.033	3.824

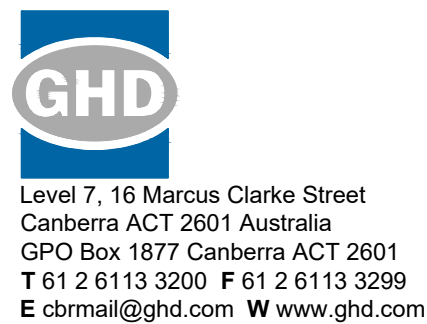
CH 380.000



DATUM: 555.000

DESIGN SURFACE LEVEL	DEPTH CUT - / FILL +	EXISTING SURFACE LEVEL	OFFSET FROM CENTRELINE
559.189	0.000	559.189	-4.226
559.620	0.446	559.174	-2.500
559.600	0.435	559.165	-1.500
559.570	0.408	559.163	0.000
559.540	0.366	559.174	1.500
559.520	0.350	559.170	2.500
559.155	0.000	559.155	3.981

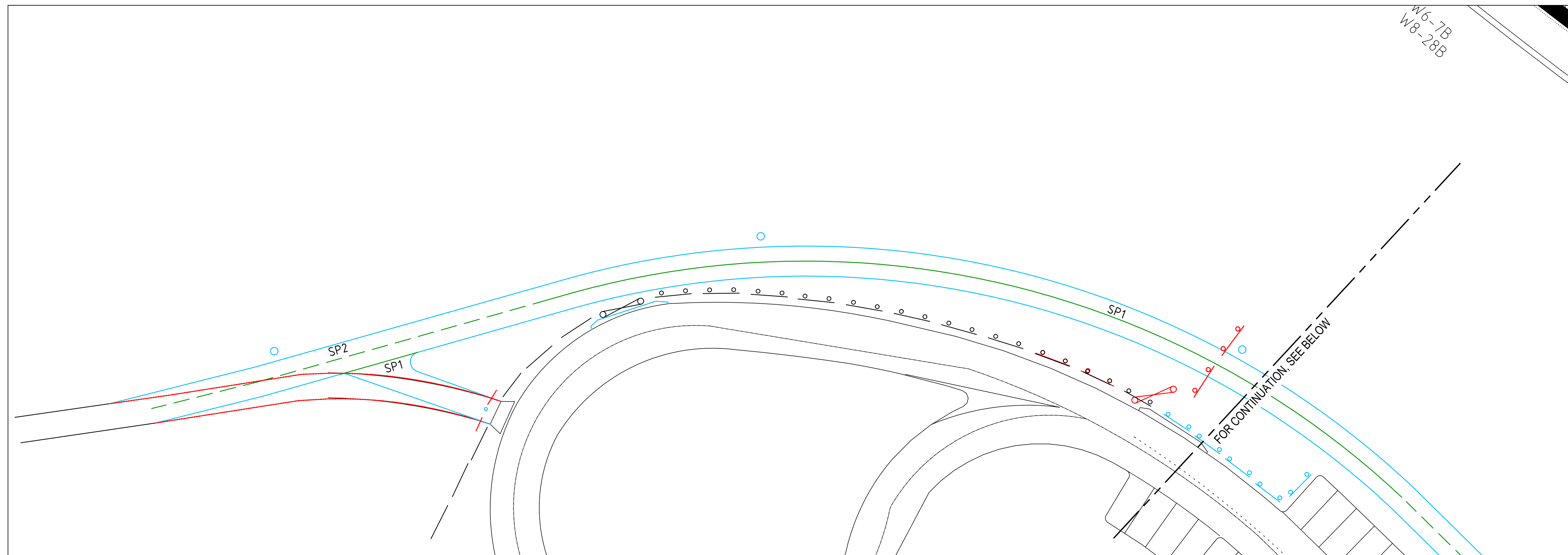
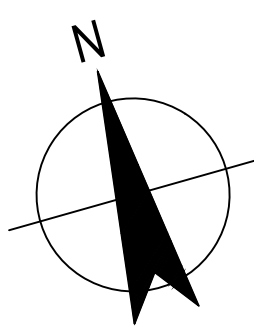
CH 440.000



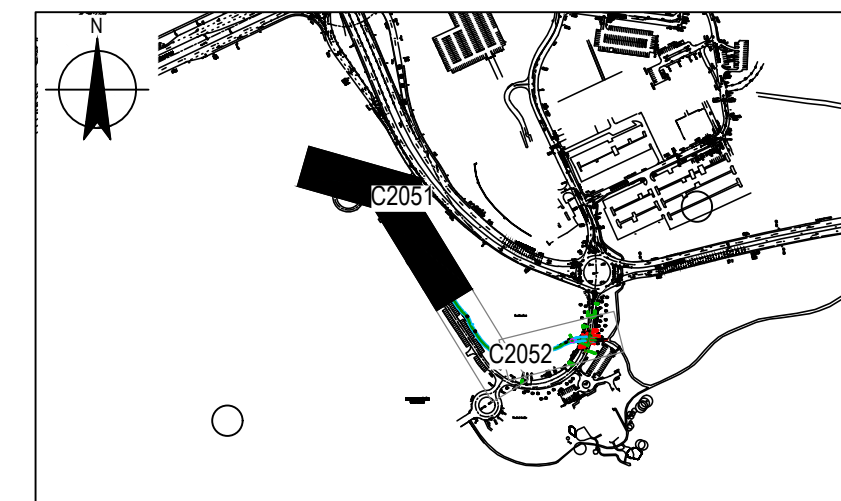
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Drawn R. MARTINEZ Designer A. HUSSAIN
Drafting Check G. POCKNEE Design Check G. POCKNEE
Approved (Project Director) K. O'BRIEN
Date 07 APRIL 2021
Scale 1:100
This Drawing must not be used for Construction unless signed as Approved

Client **TRANSPORT CANBERRA AND CITY SERVICES**
Project **MENINDEE DRIVE LINK PATH**
Title **PATH 01**
CROSS SECTIONS - SHEET 3 OF 3
Original Size **A1** Drawing No: **12542736-C2047** Rev: **0**



PLAN
SCALE 1:250



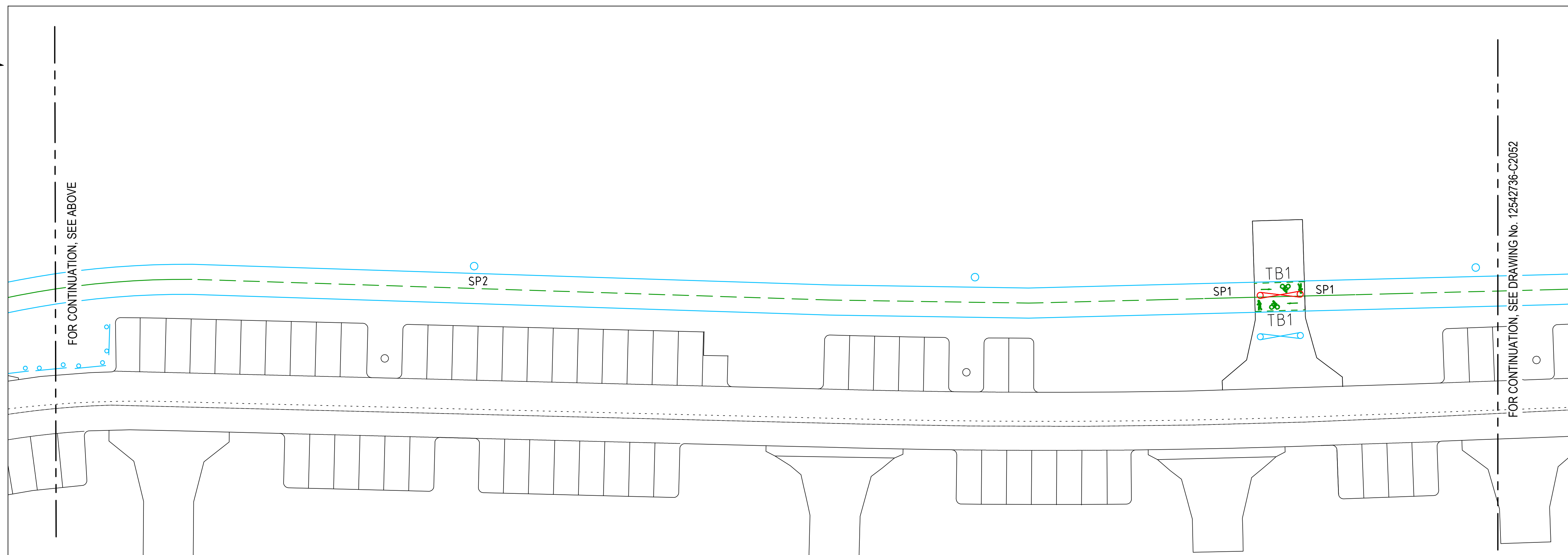
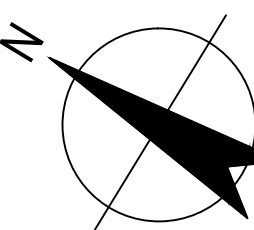
KEYPLAN
NOT TO SCALE

LEGEND:

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING

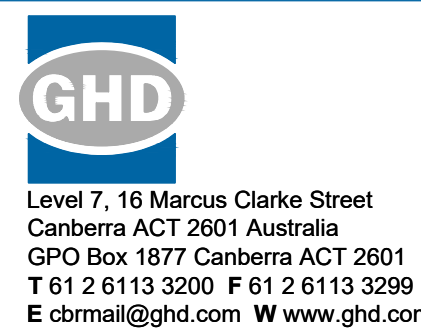
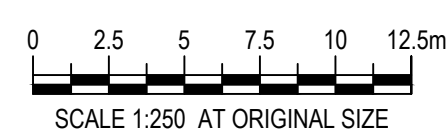
NOTES

1. THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:
 - 1.1. SPECIFICATION: MUNICIPAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS (MITS) APRIL 2019
 - 1.2. ACT GOVERNMENT STD. DRGS: MUNICIPAL INFRASTRUCTURE STANDARDS - MIS
2. GENERAL NOTES: ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT GOVERNMENT MUNICIPAL DESIGN - STANDARD DRAWINGS.
3. ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.
4. ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRITBLASTING, SHOTBLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE.
5. EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S.
6. LINEMARKING, SIGNAGE AND SURFACING SHOWN ON THIS PLAN MAY NOT BE AS PER SITE BUT REFLECTS ACT GOVERNMENT DATABASE. THE CONTRACTOR IS TO FAMILIARISE THEMSELVES PRIOR TO TENDER SUBMISSION WITH THE ON-SITE INSTALLATIONS AND THE EXTENT THEREFORE OF THE REQUIRED ERADICATION EFFORT.

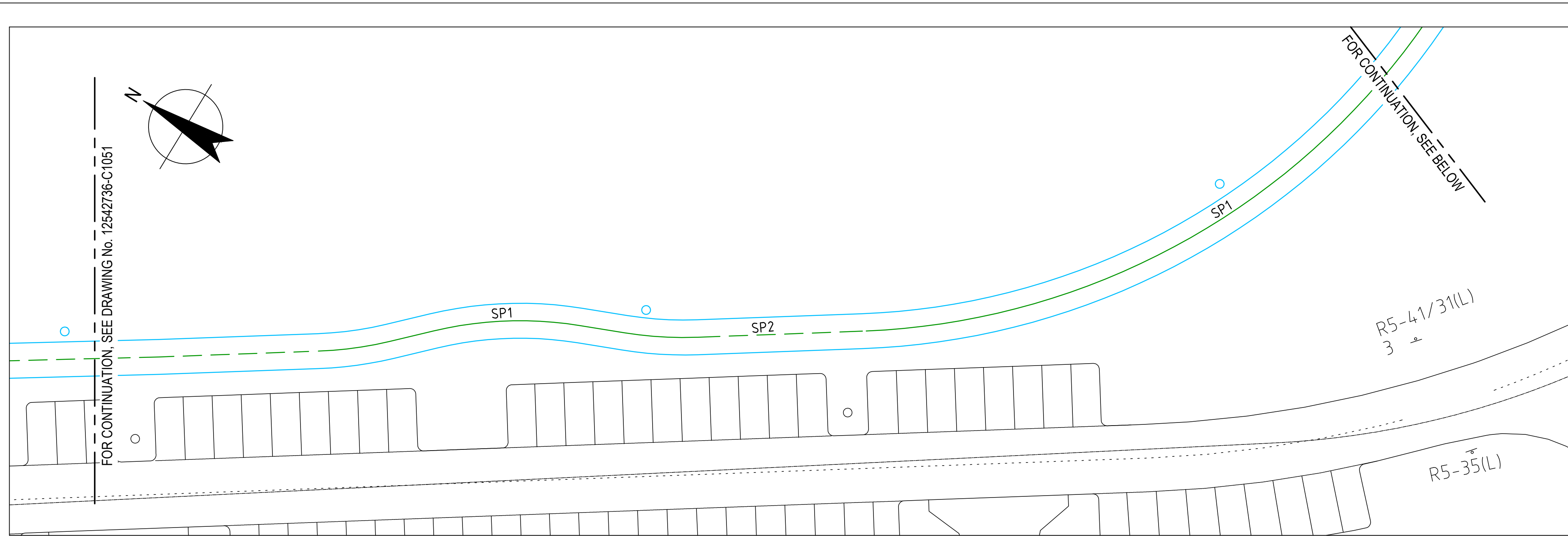


PLAN
SCALE 1:250

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21

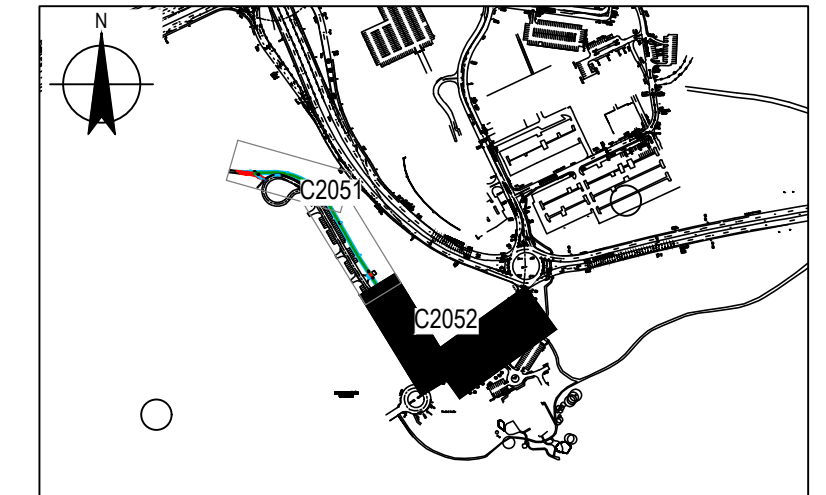


DO NOT SCALE <small>Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.</small>	Drawn	R. MARTINEZ	Designer	A. HUSSAIN	Client TRANSPORT CANBERRA AND CITY SERVICES MENINDEE DRIVE LINK PATH
	Drafting Check	G. POCKNEE	Design Check	G. POCKNEE	
	Approved (Project Director)	K. O'BRIEN		Original Size A1	Drawing No: 12542736-C2051
	Date	07 APRIL 2021			



SIGNS TO BE REMOVED					
SIGN No.	DESCRIPTION	NUMBER AND HAND			
		L	R	D	N
R5-41/31	NO PARKING BETWEEN			1	
W6-7A	BICYCLE WARNING				2
R5-35(D)	NO STOPPING			1	
R4-1(50) MOD	50KM/PH SPEED				1
G1-5	GUIDE SIGN WITH ARROWS				1

SIGNS TO BE ERRECTED					
SIGN No.	DESCRIPTION	NUMBER AND HAND			
		L	R	D	N
R2-1	GIVE WAY				2
W6-9	SHARED ZONE				2
W8-23	CROSSING ARROWS				2
W3-2	GIVE WAY AHEAD				2
W5-10	SPEED HUMP				2
W8-2(20)	ADVISORY SPEED				2
R5-35(D)	NO STOPPING			2	
R4-1(50) MOD	50KM/PH SPEED				1
R5-35(R)	NO STOPPING RIGHT				1
G1-5	GUIDE SIGN WITH ARROWS				1



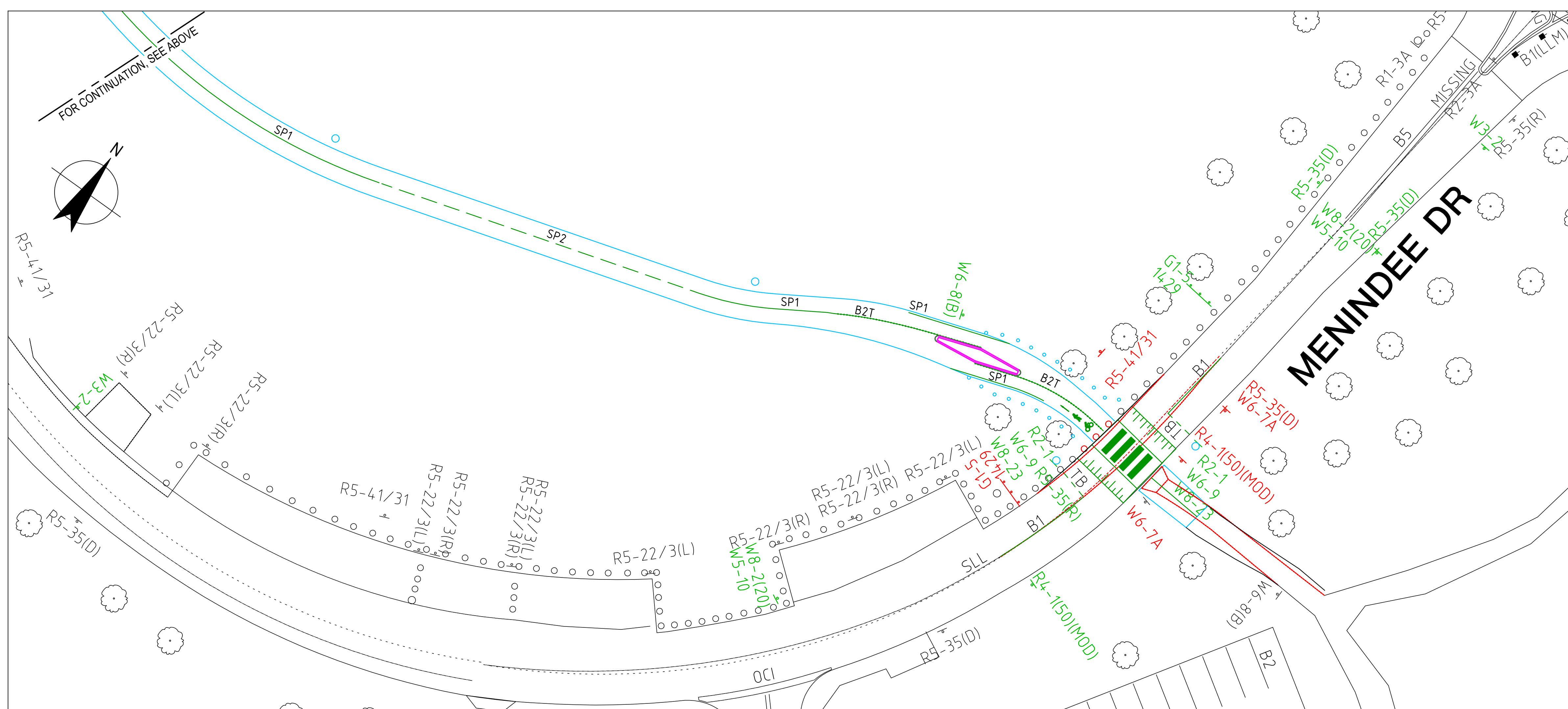
KEYPLAN
NOT TO SCALE

LEGEND:

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING

NOTES

1. THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:
 - 1.1. SPECIFICATION: MUNICIPAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS (MITS) APRIL 2019
 - 1.2. ACT GOVERNMENT STD. DRGS: MUNICIPAL INFRASTRUCTURE STANDARDS - MIS
2. GENERAL NOTES: ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT GOVERNMENT MUNICIPAL DESIGN - STANDARD DRAWINGS.
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5. EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S.
6. LINEMARKING, SIGNAGE AND SURFACING SHOWN ON THIS PLAN MAY NOT BE AS PER SITE BUT REFLECTS ACT GOVERNMENT DATABASE. THE CONTRACTOR IS TO FAMILIARISE THEMSELVES PRIOR TO TENDER SUBMISSION WITH THE ON-SITE INSTALLATIONS AND THE EXTENT THEREFORE OF THE REQUIRED ERADICATION EFFORT.
7. RPM'S TO BE SOLAR LIGHTING DESIGNS 10 TON SOLAR ROAD MARKERS OR APPROVED EQUIVALENT.



PLAN
SCALE 1:250

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM	RECOMMENDED FOR AUTHORISATION	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
DATE:		
CONSULTANT GHD PTY LTD	DRAWING NAME 12542736-2052	AUTHORISING SIGNATURE
NAME T. YEATS		DATE:
SIGNATURE	SCALE: 1:500	DOCUMENT NUMBER
DATE:		



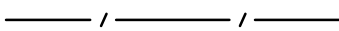
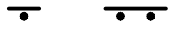
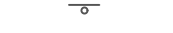


No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



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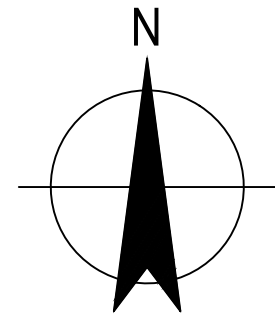
Client	Project	Title	Original Size
TRANSPORT CANBERRA AND CITY SERVICES	MENINDEE DRIVE LINK PATH	TRAFFIC CONTROL DEVICES - SHEET 2 OF 2	A1
Drawing No: 12542736-C2052			Rev: 0

LEGEND:

-  AREA OF WORK
-  CONTRACTORS SITE COMPOUND
-  SITE FENCE
-  ERECT SIGN, BARRIER ROAD
-  EXISTING SIGN POST
-  ERECT BOLLARDS AT MAX 4m CENTRES
-  TRAFFIC CONTROLLER

NOTES:

1. FOR GENERAL NOTES REFER TO DRAWING No. 12542736-C1002.
2. ALL TEMPORARY TRAFFIC MANAGEMENT DEVICES ARE TO BE IN ACCORDANCE WITH AS1742.3-2009.
3. ALL WORKERS SHALL WEAR REFLECTIVE CLOTHING IN ACCORDANCE AS1742.3-2009.
4. ALL SIGNS AND DEVICES SHALL BE ERECTED WITHIN THE LINE OF SIGHT OF THE ROAD USER. THEY SHALL NOT BE OBSTRUCTED BY VEGETATION OR PARKED VEHICLES AND SHALL BE POSITIONED WHERE THEY DO NOT BECOME A HAZARD TO PEDESTRIANS OR VEHICLES.
5. ALL EXISTING SPEED RESTRICTION SIGNAGE WITHIN THE WORKSITE MUST BE COVERED WHEN TEMPORARY ROADWORK SPEED RESTRICTION ARE IN OPERATION.
6. PARABOLIC OR APPROVED EQUIVALENT CONTAINMENT FENCES SHALL BE ERECTED AROUND THE PERIMETER OF ALL EXCAVATIONS AND STOCKPILES.
7. ALL T1-5 (WORKER) SIGNS SHALL BE COVERED WHEN WORKERS ARE NOT ONSITE OR OUT OF WORK HOURS.
8. THIS PLAN IS PROVIDED AS CONCEPT ONLY. THESE TTM PLANS ARE TO BE DEVELOPED BY TTM DESIGNER OR PLAN SELECTOR AND ACHIEVE THIRD PARTY ENDORSEMENT BY ALL AFFECTED ASSET OWNERS AND USERS. THE TTM PLAN IS TO BE APPROVED BY ROADS ACT AND NATIONAL CAPITAL AUTHORITY PRIOR TO COMMENCING WORKS ON SITE.
9. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TTM INCLUDING ANY STAGING THAT MAY BE REQUIRED FOR THE EXTERNAL SERVICES WORKS AND GENERAL SITE WORKS, INCLUDING RELEVANT PERMITS AND NOTIFICATIONS TO THE SUPERINTENDENT FOR REVIEW PRIOR TO SUBMISSION TO ROADS ACT AND NATIONAL CAPITAL AUTHORITY FOR APPROVAL. SUFFICIENT LEAD TIME FOR SUCH APPROVALS INCLUDING PUBLIC NOTIFICATIONS SHALL BE ALLOWED FOR IN THE CONTRACTOR'S PROGRAM.
10. MINIMUM CLEAR LANE WIDTH OF 3.0m SHALL BE MAINTAINED AT ALL TIMES.
11. WORKERS TO BE MINIMUM 1.2m FROM THE TRAFFIC LANE.
12. MINIMUM 2 WEEKS ADVANCED NOTIFICATION TO BE PROVIDED PRIOR TO ANY FULL OR PARTIAL ROAD CLOSURE.
13. MAXIMUM ALLOWABLE DURATION FOR RAISED CROSSING WORKS TO BE 1 WEEK.



PLAN
SCALE 1:2000



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	Drafting Check G. POCKNEE	Design Check G. POCKNEE	
	Approved (Project Director) K. O'BRIEN	Date 7 APRIL 2021	
	Scale 1:2000	This Drawing must not be used for Construction unless signed as Approved	



LEGEND:

- AREA OF WORK
- CONTRACTORS SITE COMPOUND
- SITE FENCE
- ERECT SIGN, BARRIER ROAD
- EXISTING SIGN POST
- ERECT BOLLARDS AT MAX 4m CENTRES
- TRAFFIC CONTROLLER

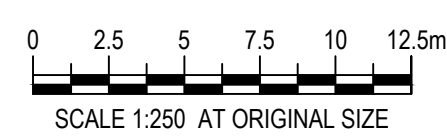
NOTES:

1. FOR GENERAL NOTES REFER TO DRAWING No. 12542736-C1002.
2. ALL TEMPORARY TRAFFIC MANAGEMENT DEVICES ARE TO BE IN ACCORDANCE WITH AS1742.3-2009.
3. ALL WORKERS SHALL WEAR REFLECTIVE CLOTHING IN ACCORDANCE AS1742.3-2009.
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5. ALL EXISTING SPEED RESTRICTION SIGNAGE WITHIN THE WORKSITE MUST BE COVERED WHEN TEMPORARY ROADWORK SPEED RESTRICTION ARE IN OPERATION.
6. PARAWEB OR APPROVED EQUIVALENT CONTAINMENT FENCES SHALL BE ERECTED AROUND THE PERIMETER OF ALL EXCAVATIONS AND STOCKPILES.
7. ALL T1-5 (WORKER) SIGNS SHALL BE COVERED WHEN WORKERS ARE NOT ONSITE OR OUT OF WORK HOURS.
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9. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TTM INCLUDING ANY STAGING THAT MAY BE REQUIRED FOR THE EXTERNAL SERVICES WORKS AND GENERAL SITE WORKS, INCLUDING RELEVANT PERMITS AND NOTIFICATIONS TO THE SUPERINTENDENT FOR REVIEW PRIOR TO SUBMISSION TO ROADS ACT AND NATIONAL CAPITAL AUTHORITY FOR APPROVAL. SUFFICIENT LEAD TIME FOR SUCH APPROVALS INCLUDING PUBLIC NOTIFICATIONS SHALL BE ALLOWED FOR IN THE CONTRACTOR'S PROGRAM.
10. MINIMUM CLEAR LANE WIDTH OF 3.0m SHALL BE MAINTAINED AT ALL TIMES.
11. WORKERS TO BE MINIMUM 1.2m FROM THE TRAFFIC LANE.
12. MINIMUM 2 WEEKS ADVANCED NOTIFICATION TO BE PROVIDED PRIOR TO ANY FULL OR PARTIAL ROAD CLOSURE.
13. MAXIMUM ALLOWABLE DURATION FOR RAISED CROSSING WORKS TO BE 1 WEEK.

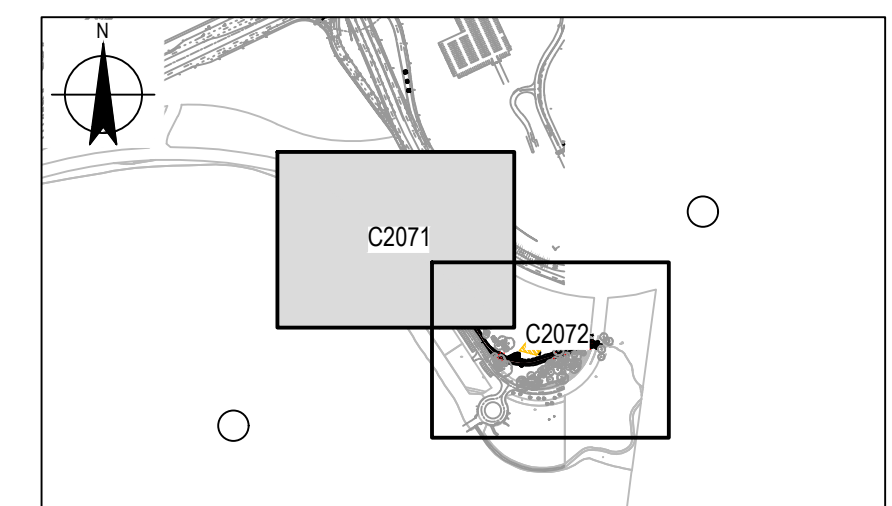
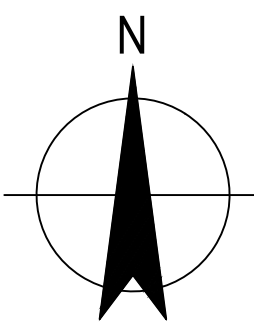
PROVIDE TIMED TRAFFIC SIGNALS TO ALLOW NIGHT AND DAY ACCESS OF ONE-WAY OFF-ROAD DETOUR

PROVIDE STABILISED ACCESS FOR ONE-WAY OFF-ROAD DETOUR DURING CONSTRUCTION OF THE RAISED PEDESTRIAN CROSSING. PROVIDE ASPHALT RAMPS AT KERBS



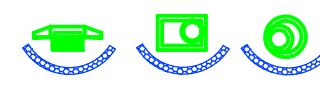

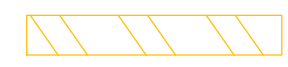

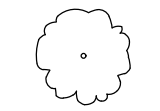
PLAN
SCALE 1:500



DO NOT SCALE		Drawn R. MARTINEZ	Designer A. HUSSAIN	Client TRANSPORT CANBERRA AND CITY SERVICES Project MENINDEE DRIVE LINK PATH Title CONCEPT TEMPORARY TRAFFIC MANAGEMENT PLAN Original Size RAISED CROSSING WORKS Drawing No: 12542736-C2062
Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.		Drafting Check G. POCKNEE	Design Check G. POCKNEE	
		Approved (Project Director) K. O'BRIEN	Date 7 APRIL 2021	
Scale 1:500		This Drawing must not be used for Construction unless signed as Approved		



KEYPLAN
NOT TO SCALE

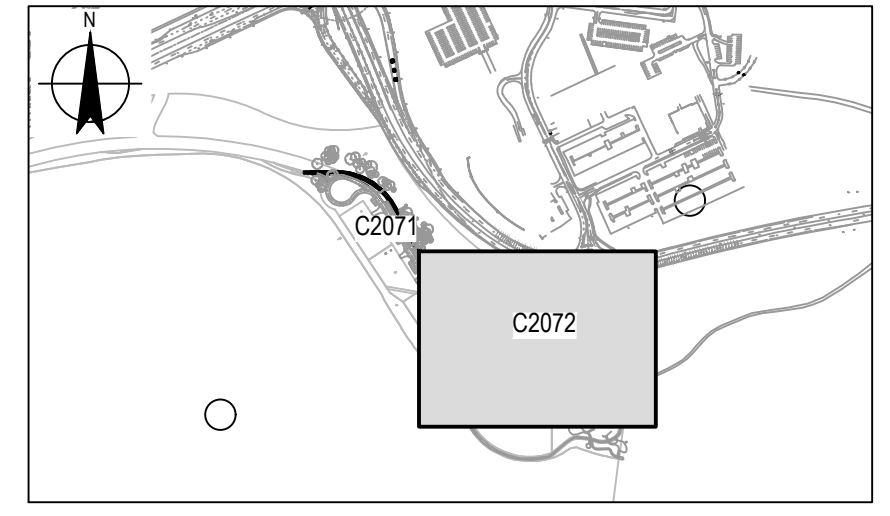
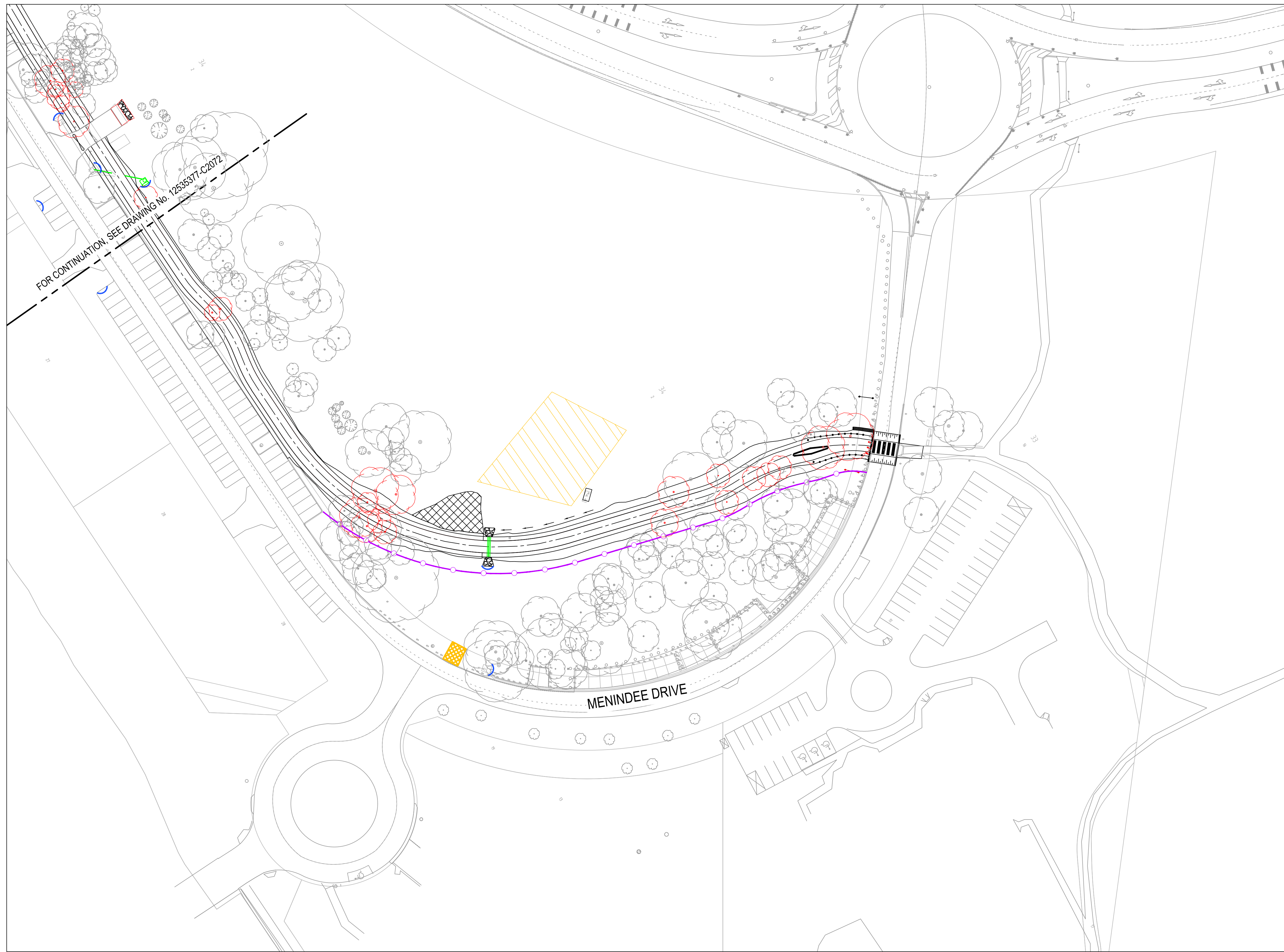
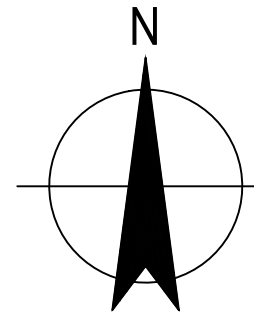
- LEGEND:**
-  SILT FENCE
 -  SW STORMWATER PIPE
 -  KERB INLET FILTER
 -  STABILISED SITE ACCESS
 -  SITE COMPOUND
 -  TREE REMOVAL
 -  NEW TREE

PLAN
SCALE 1:250

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



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	Drafting Check	G. POCKNEE	Design Check	G. POCKNEE	Project	
	Approved (Project Director)	K. O'BRIEN		Title		
	Date	7 APRIL 2021		Original Size		
Scale	1:500	This Drawing must not be used for Construction unless signed as Approved		A1	Drawing No: 12542736-C2071	Rev: 0



KEYPLAN
NOT TO SCALE

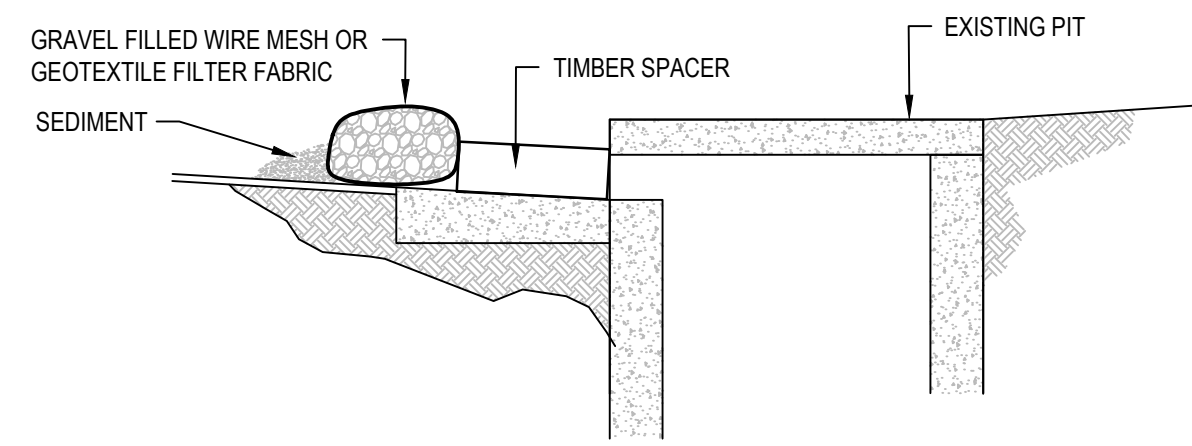
- LEGEND:**
- SILT FENCE
 - STORMWATER PIPE
 - KERB INLET FILTER
 - STABILISED SITE ACCESS
 - SITE COMPOUND
 - TREE REMOVAL
 - NEW TREE

PLAN
SCALE 1:250

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21

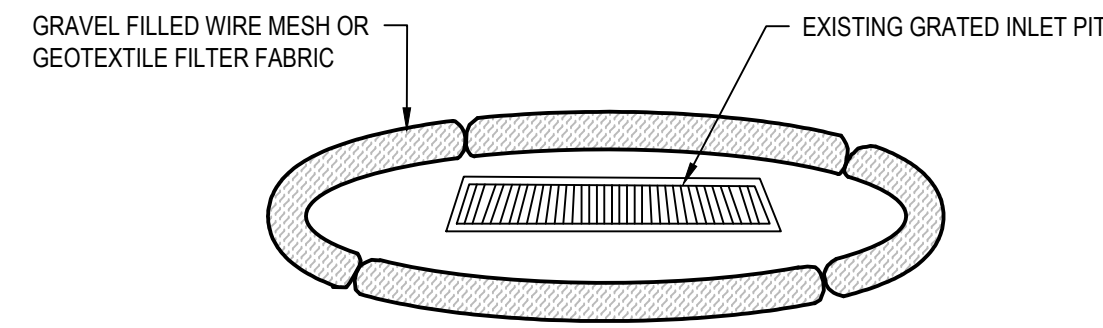


DO NOT SCALE Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drawn	R. MARTINEZ	Designer	A. HUSSAIN	Client	TRANSPORT CANBERRA & CITY SERVICES MENINDEE DRIVE LINK PATH CONCEPT EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 2
	Drafting Check	G. POCKNEE	Design Check	G. POCKNEE*	Project	
	Approved (Project Director)	K. O'BRIEN		Title		
	Date	7 APRIL 2021		Original Size		
Scale	1:500	This Drawing must not be used for Construction unless signed as Approved		A1	Drawing No: 12542736-C2072	Rev: 0



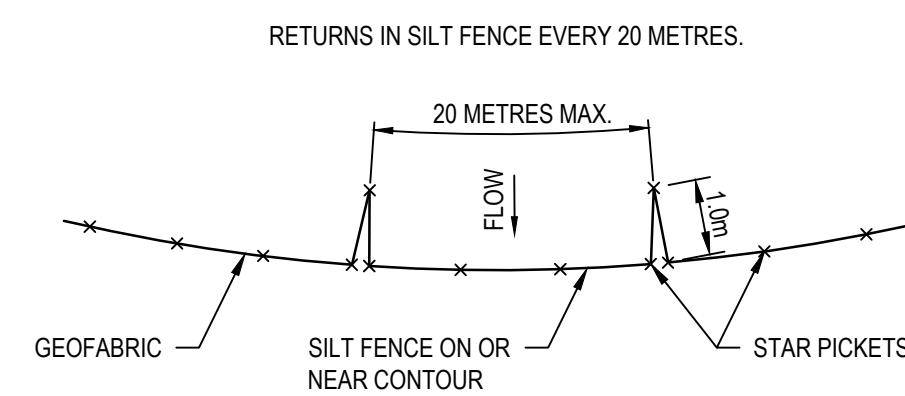
KERB INLET FILTER

A SECTION
NTS



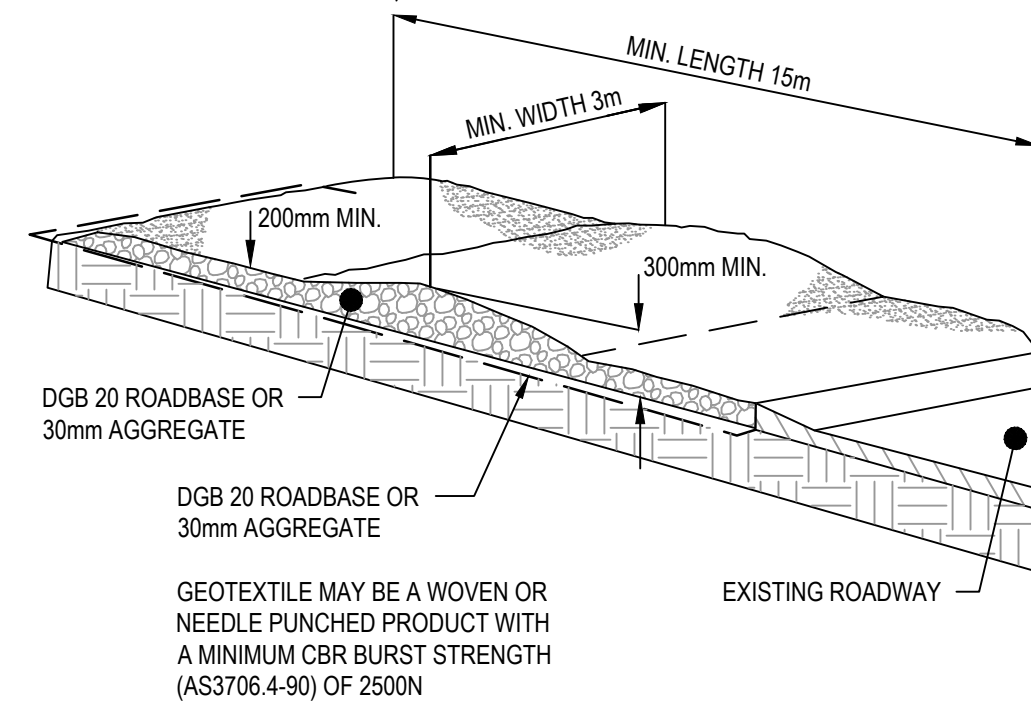
GRADED INLET FILTER

NTS



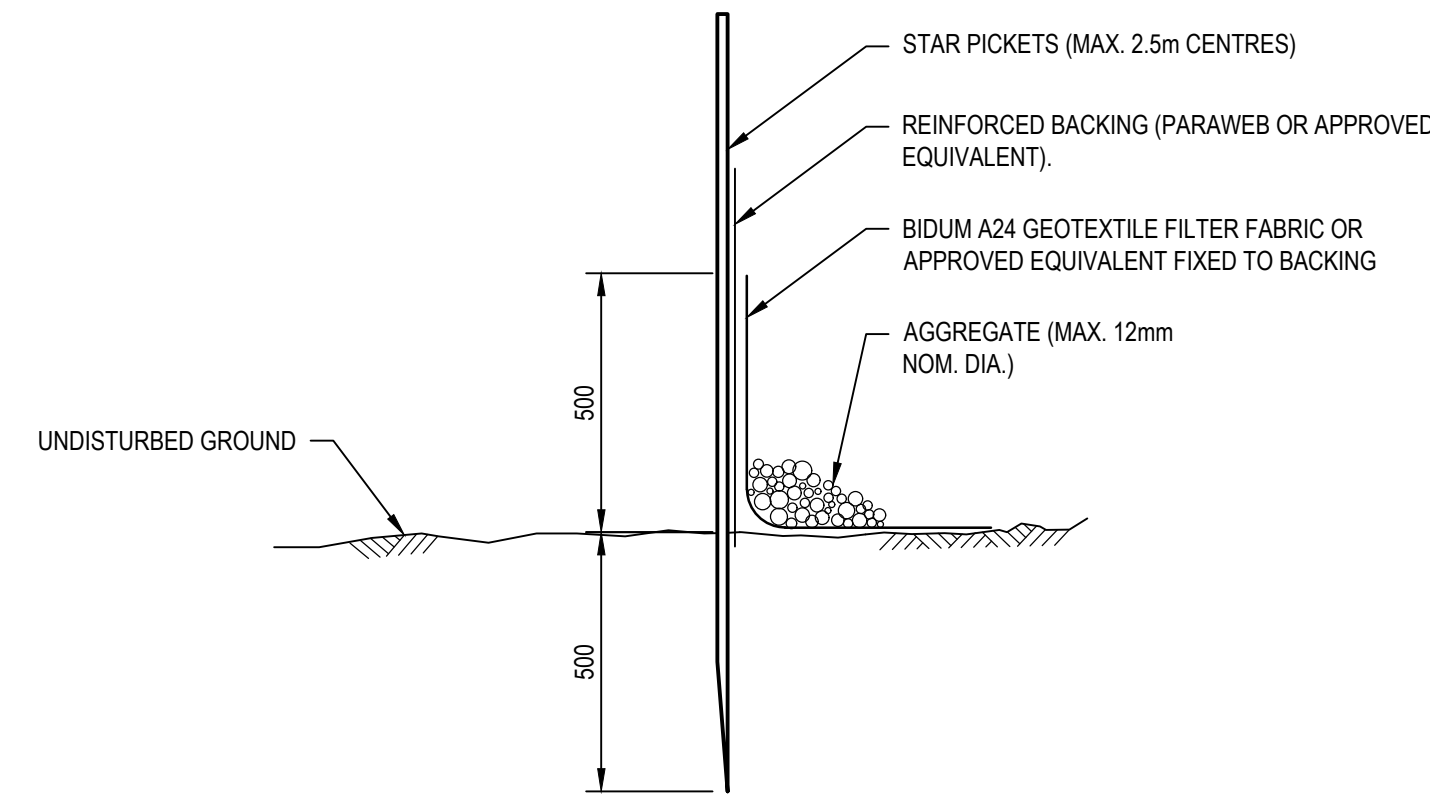
GEOFABRIC SILT FENCE FLOW BARRIERS

NTS



STABILISED SITE ACCESS

NTS



SILT FENCE

NTS

GENERAL INSTRUCTIONS:

- G1 ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AND STRUCTURES SHALL BE LOCATED AS SHOWN ON SEDIMENT AND EROSION CONTROL PLAN AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GUIDELINES AND PRINCIPLES AS OUTLINED IN 'ENVIRONMENTAL PROTECTION GUIDELINES FOR CONSTRUCTION AND DEVELOPMENT IN ACT - EPA 2011.
- G2 THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED BY THE SITE SUPERINTENDENT RELATING TO DEVELOPMENT OF THE SUBJECT SITE.
- G3 THE SITE SUPERINTENDENT WILL ENSURE THAT ALL SEDIMENT AND EROSION CONTROL WORKS ARE LOCATED AS INSTRUCTED IN THIS SPECIFICATION OR IN ANY SUBSEQUENT SITE INSTRUCTION.
- G4 ALL BUILDERS AND SUB-CONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES BY THE SITE SUPERINTENDENT IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.
- G5 SEDIMENT PONDS TO BE CONSTRUCTED IN ACCORDANCE WITH 'SOILS AND CONSTRUCTION VOLUME 1' 4TH EDITION MARCH 2004.

SEDIMENT CONTROL:

- S1 SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, EG, THROUGH INSTALLATION OF "SILT" FENCING. NO STOCKPILES ONSITE
- S2 ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) IS TO BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- S3 WATER IS TO BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- S4 TEMPORARY SEDIMENT AND EROSION CONTROL STRUCTURES ARE TO BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED AND WHEN REMOVAL IS APPROVED BY THE SITE SUPERINTENDENT.

LAND DISTURBANCE:

- L1 THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE AND PRACTICAL. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING GENERAL SEQUENCE:
 - A CONSTRUCTION OF SEDIMENT AND EROSION CONTROLS.
 - B REHABILITATION OF ANY DISTURBED LANDS WITHIN 20 WORKING DAYS.
 - C UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

ADDITIONAL MATTERS:

- A1 ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- A2 ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN ARE TO BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
 - A PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.
 - B ENSURING THAT NOTHING IS NAILED TO THEM.
 - C PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
 - I ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 m OR HALF DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICHEVER IS THE GREATER.
 - II A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (EG, A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 mm DEPTH.
 - III CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

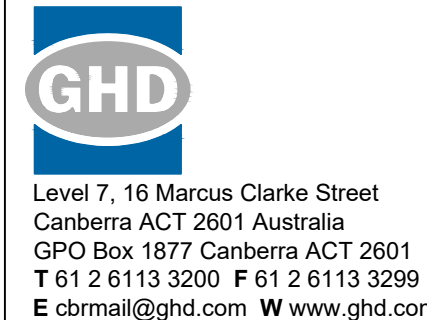
INSPECTION AND MAINTENANCE:

- 11 RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT AND GENERALLY OFF SITE.
- 12 AT LEAST DAILY, THE CONTRACTOR WILL INSPECT THE SITE AND ENSURE THAT:
 - A DRAINS OPERATE EFFECTIVELY AND INITIATE REPAIR OR MAINTENANCE AS REQUIRED.
 - B SPILLED SOIL (OR OTHER MATERIAL) IS REMOVED FROM HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, GUTTERS, PAVED AREAS AND DRIVEWAYS.
 - C SEDIMENT IS REMOVED FROM BASINS AND/OR TRAPS WHEN LESS THAN 50% OF TRAPPING CAPACITY REMAINS AND/OR LESS THAN 500 mm DEPTH REMAINS IN THE SETTLING ZONE. ANY COLLECTED SEDIMENT WILL BE DISPOSED IN AREAS WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS IS UNLIKELY.
 - D REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND INITIATE UPGRADING OR REPAIRS AS APPROPRIATE.
- 13 THE CONTRACTOR SHALL PROVIDE & MAINTAIN A 'LOG BOOK' TO RECORD INFORMATION & DATA WITH RESPECT TO THE SEDIMENT & EROSION CONTROL PLAN. INFORMATION RECORDED MUST INCLUDE:
 - A RAINFALL EVENTS
 - B RAINFALL IN MILLIMETRES
 - C RESULTS OF ANY INSPECTIONS

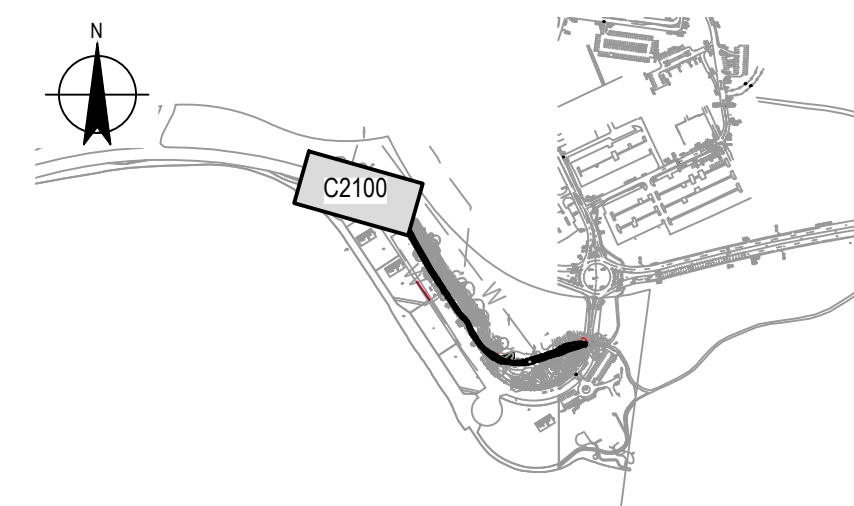
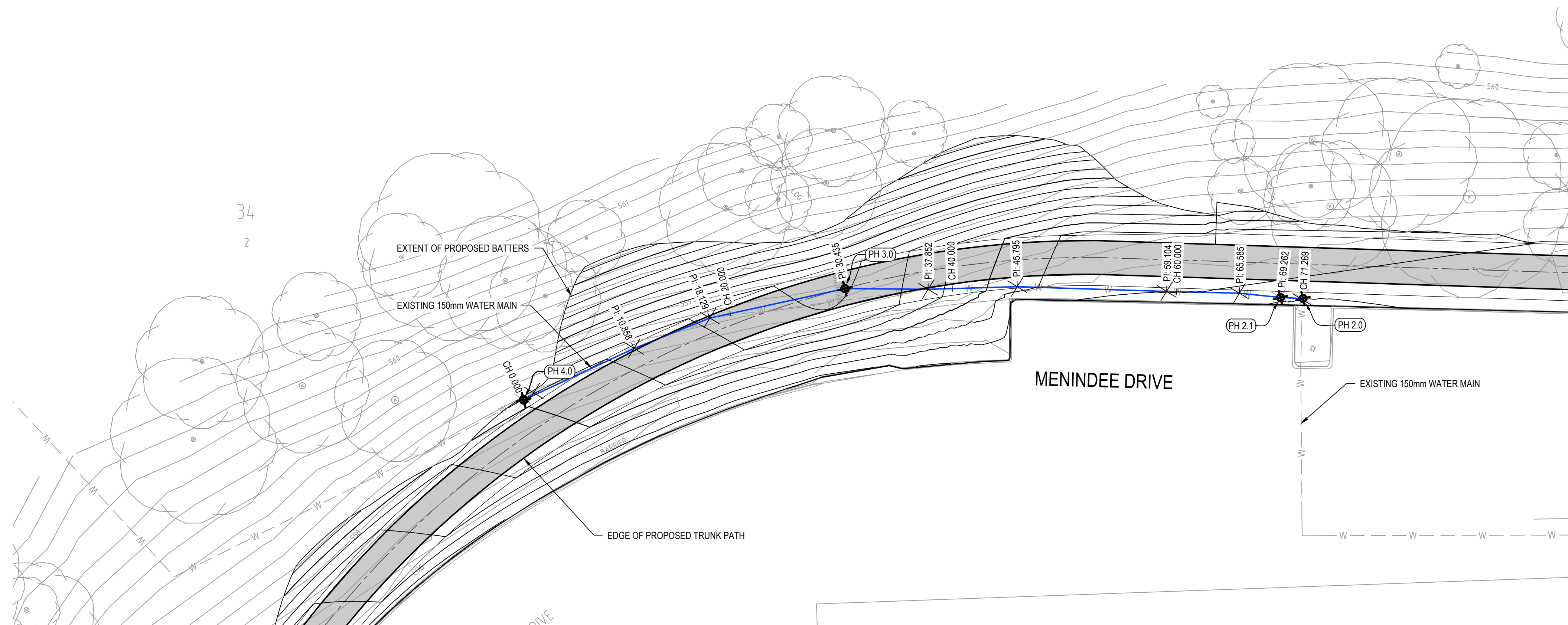
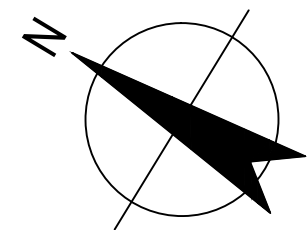
STANDARD CONSTRUCTION GUIDELINES AND DETAILS		
SECTION	SECTION TITLE	STANDARD DETAIL
SECTION 4.1	VEGETATIVE COVER	
SECTION 4.2	STABILISED ACCESS POINTS	FIG 1 - STABILISED ACCESS POINT
SECTION 4.3	EARTHWORKS	
SECTION 4.4	DIVERSION OF SURFACE WATER	FIG 2 - EARTH BANK FIG 3 - EARTH BANK (HIGH FLOW - TYPE 1) FIG 4 - EARTH BANK (HIGH FLOW - TYPE 2)
SECTION 4.5	LEVEL SPREADER	FIG 5 - LEVEL SPREADER
SECTION 4.6	SEDIMENT CONTROL POND	FIG 6 - SEDIMENT CONTROL POND - PLAN FIG 7 - SEDIMENT CONTROL POND - SECTION
SECTION 4.9	SEDIMENT TRAPS FOR CHANNEL RUNOFF	FIG 10 - ROCK BUND - GABION FIG 11 - GEOTEXTILE SEDIMENT TRAP FIG 12 - STRAW BALE CHECK DAM FIG 13 - STRAW BALE CHECK DAM DETAIL
SECTION 4.10	SEDIMENT CONTROL BARRIER	FIG 14 - GEOTEXTILE FABRIC SEDIMENT CONTROL BARRIER - PLAN FIG 15 - GEOTEXTILE FABRIC SEDIMENT CONTROL BARRIER - SECTION

THIS LIST OF STANDARD DETAILS ARE FROM THE ACT ENVIRONMENT PROTECTION AUTHORITY - ENVIRONMENT PROTECTION GUIDELINES FOR CONSTRUCTION AND LAND DEVELOPMENT IN THE ACT. THESE SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THESE GUIDELINES AND ANY SPECIFIC SITE REQUIREMENTS DETAILS ON THIS PLAN

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	ORIGINAL ISSUE		RM	DI*	KOB*	07.04.21



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	Drafting Check	G. POCKNEE	Design Check	G. POCKNEE	
	Approved (Project Director)	K. O'BRIEN			Original Size A1
	Date	7 APRIL 2021			
Scale	NTS			This Drawing must not be used for Construction unless signed as Approved	Drawing No: 12542736-C2075 Rev: 0

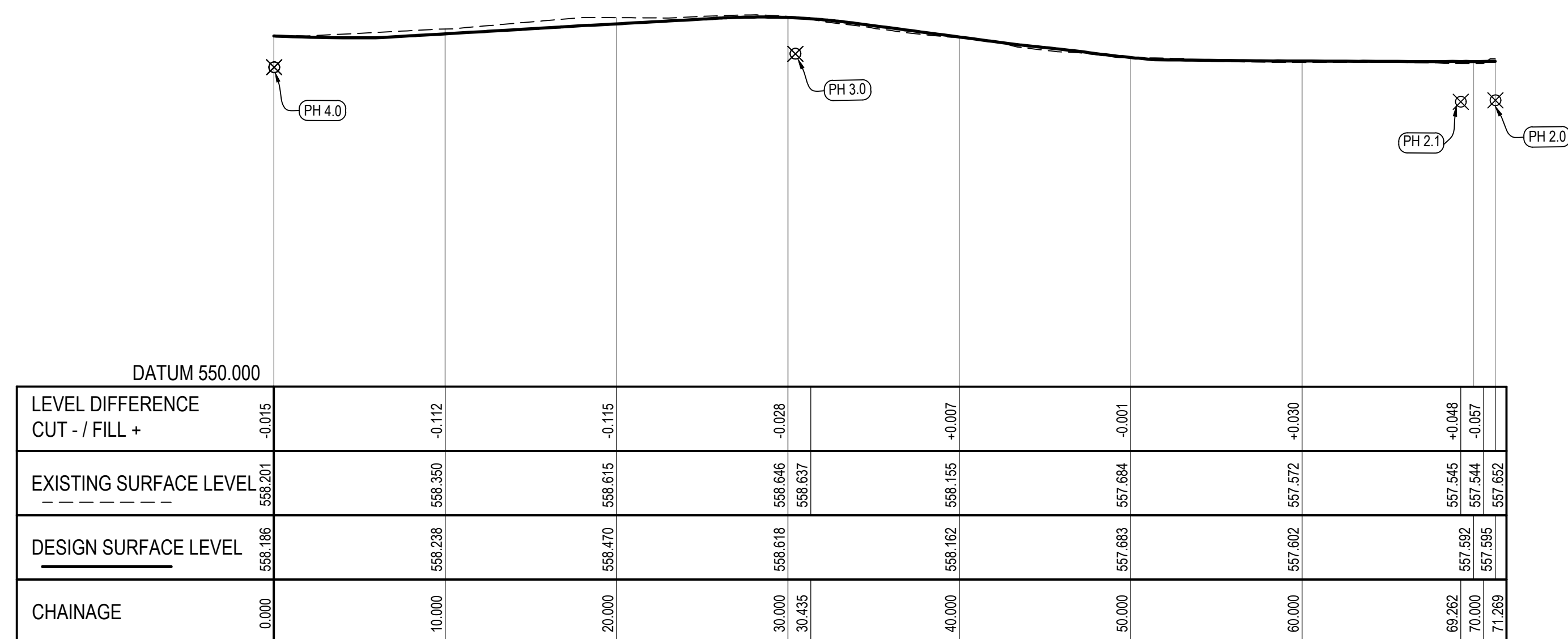


LEGEND:

- W --- EXISTING WATER MAIN
- EXISTING 150mm WATER MAIN - LONGITUDINAL SECTION
- ⊗ EXISTING TREE

NOTES:

1. POT HOLE SURVEY AND SERVICE TRACING DATA SUPPLIED BY STEGER AND ASSOCIATES. SUPPLEMENTARY DRAWING 20035_001.

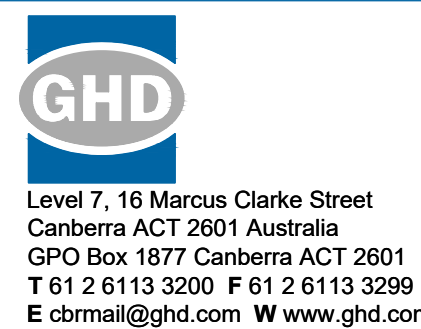
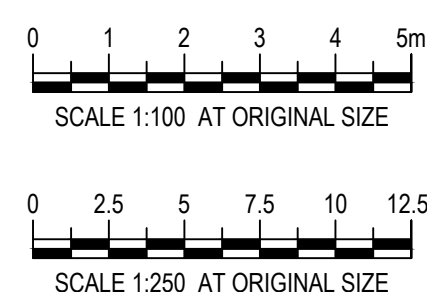


POT HOLE TABLE:

POT HOLE No.	TOP OF PIPE RL	DESIGN COVER DEPTH
PH 2.0	556.68	0.92m
PH 2.1	556.65	0.94m
PH 3.0	557.77	0.84m
PH 4.0	557.45	0.74m

LONGITUDINAL SECTION - EXISTING 150mm WATER MAIN

SCALE H 1:250 V 1:100



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Drawn	R. MARTINEZ	Designer	A. HUSSAIN
Drafting	G. POCKNEE	Design	G. POCKNEE
Check		Check	
Approved	K. O'BRIEN (Project Director)		
Date	07 APRIL 2021		
Scale	AS SHOWN		

Client **TRANSPORT CANBERRA AND CITY SERVICES**
Project **MENINDEE DRIVE LINK PATH**

Title **EXISTING WATER MAIN**

Original Size **A1** Drawing No: **12542736-2100**

Rev: **0**

MENINDEE DRIVE LINK PATH

BARTON, ACT

FINAL SKETCH PLAN

LANDSCAPE WORKS PACKAGE

PREPARED FOR:

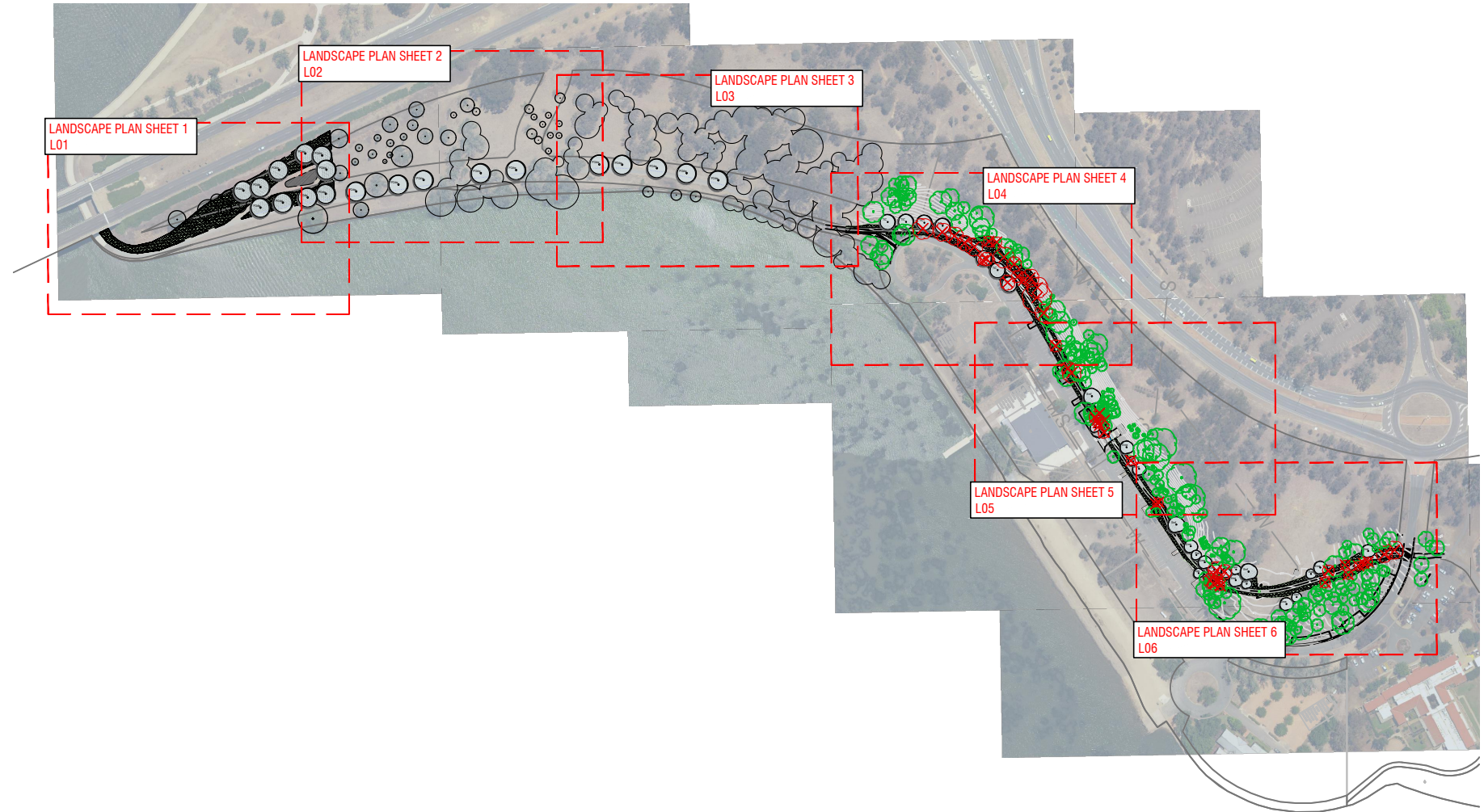


DRAWING LIST

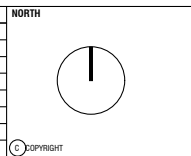
DWG NO.	DRAWING TITLE
L00	COVER PAGE
TA01	TREE ASSESSMENT PLAN
TMP01	TREE MANAGEMENT PLAN
L01	LANDSCAPE PLAN SHEET 1
L02	LANDSCAPE PLAN SHEET 2
L03	LANDSCAPE PLAN SHEET 3
L04	LANDSCAPE PLAN SHEET 4
L05	LANDSCAPE PLAN SHEET 5
L06	LANDSCAPE PLAN SHEET 6
LD01	LANDSCAPE DETAILS

REVISION

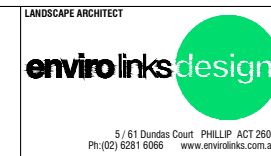
C
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B
B
B
B
C
A



ISSUE	DESCRIPTION	DWN	APPD	DATE
C	MINOR AMENDMENTS	BS	MR	07/04/2021
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	MR	JK	11/01/2021



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 - FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED MEASUREMENTS. DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
WHERE ISSUED FOR CONSTRUCTION
 - CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICES AND OBTAINING NECESSARY CLEARANCES AND APPROVALS. CONTRACTOR TO VERIFY DIMENSIONS, LEVELS & DETAILS TO SITE CONDITIONS AND PRIOR WORKS, AND REPORT ALL DISCREPANCIES TO THE SUPERINTENDENT FOR RESOLUTION BEFORE COMMENCING WORK.
 - PRESENT SAMPLES AND GAIN APPROVAL FROM SUPERINTENDENT FOR ANY NOMINATED MATERIALS OR FINISHES.
 - ADOPT AND IMPLEMENT APPROVED TREE MANAGEMENT PLAN, LANDSCAPE MANAGEMENT & PROTECTION PLAN & ENVIRONMENTAL AUTHORISATIONS. ALL WORKS TO BE IN ACCORDANCE WITH CURRENT TCCS MUNICIPAL INFRASTRUCTURE STANDARDS AND MUNICIPAL INFRASTRUCTURE STANDARD SPECIFICATION UNLESS OTHERWISE PRESCRIBED. ALL DISTURBANCE BY WORKS MUST BE REINSTATED TO EXISTING CONDITION.



PROJECT
 MENINDEE DRIVE
 LINK PATH

TITLE		ISSUE
COVER SHEET		C
SCALE		
JOB NO.	DWG NO.	
2066	L00	

TREE ASSESSMENT ELEMENTS

Number: Unique and sequential identification number
 Name: Botanical name
 Height: (m)
 Trunk: circumference (m) at 1 metre above natural ground level
 Canopy: Diameter (m) at the furthest point from the trunk (m)
 Health: The general health and vigour Tree
 Defects / Decay: Structural defects or evidence of internal decay
 Damage / Disturbance: Evidence of past damage to the tree or disturbance within the root zone
 Disease: Evidence of past or present disease or insect infestation;
 Stage: Current growth stage (e.g. juvenile, semi-mature, mature or over mature).
 Quality: Tree quality classification trees are to be classified as being of Exceptional (E), High (H), Medium (M), Poor (P), or Low (L) quality.
 Tree Act Status: Refer notes below

Tree 'Regulated' Status by Virtue of Size (On - Lease)

Under the Tree Protection Act 2005 a tree is termed a Regulated Tree and is to be protected if it is growing on Urban Leased land and has at least one of:
 * A height of 12m or more; or
 * A trunk circumference of 1.5m (approx 0.5m in diameter) or more at 1m above ground level; or
 * Two or more trunks and the total circumference of all the trunks, 1m above ground level, is 1.5m or more, or
 * A minimum crown width of 12m or more, and
 * Must be alive - all dead trees have been ranked as Non Protected tree.
 * Is not a weed species under the Pest Plant & Animals Declaration 2005

Tree Protected Status

YES - The tree has a dimension that any activity must be assessed under the Tree Protection Act on Leased land; or is on Government land eg. road verge, park, etc as all trees on Government land are protected.
 NO - The tree if on Leased land is sufficiently small or declared a Weed Species that it does not require assessment under the Tree Protection Act.
 NA - Not applicable as Off Lease but often protected as these trees are generally on Government (Unleased) land.

Trees nominated as Protected can only be removed / pruned if approval in writing gained from all applicable Government agencies.

Future Tree Approvals

On-Leased land: if a tree has protected status then approval must be gained from TCCS Urban TreeScapes Unit prior to removal, lopping or ground damaging activity.

Off-Leased (Territory) land: Please note all trees located external to the leased block boundary i.e. the verge or open space, cannot be removed, pruned or damaged without the approval of the Urban TreeScapes Unit, City Services (13 22 81) as on Government land.

Tree Management:

Trees within lease require a Tree Management Plan (TMP) and on the verge a Landscape Management Protection Plan (LMPP) outlining removals, pruning, tree protection measures, site access and restorative works issues as part of the design process.

PLEASE NOTE TREE LOCATIONS & NUMBERS WERE LOCATED BY SURVEYOR ON PLAN AND WERE VERIFIED FROM SITE INSPECTION UNDERTAKEN BY ENVIRO LINKS DESIGN PTY LTD. TREE NUMBERS ALLOCATED BY SURVEYOR

VALUE RANKING : INDIVIDUAL TREES

The delineation within the value classification is based on the works being on leased land and therefore under the jurisdiction of the TCCS Urban TreeScapes Unit (UTU) All trees on Government Land are regarded as protected trees and can not be removed or damaged or works undertaken near them without the approval of the UTU. (The Tree Act. and Regulated Tree definitions are therefore applicable to leased site, unless otherwise advised).



EXCEPTIONAL VALUE - trees that are outstanding examples of their species and have significant visual impact. They have most of the following: mature specimens with grand appearance and stature; may have unusual character; may be a rare species; well balanced; cultural heritage importance; significant scientific value; presents a low hazard/safety risk. Significant value within the landscape context of the site and should be preserved.



HIGH VALUE - trees that are good examples of their species and have significant visual impact. They have most of the following: high arboricultural value or potential; good form; healthy specimens with good size and little or no epicormic shoots or other arboricultural problems. Good value within the landscape context of the site and should be preserved if at all possible.



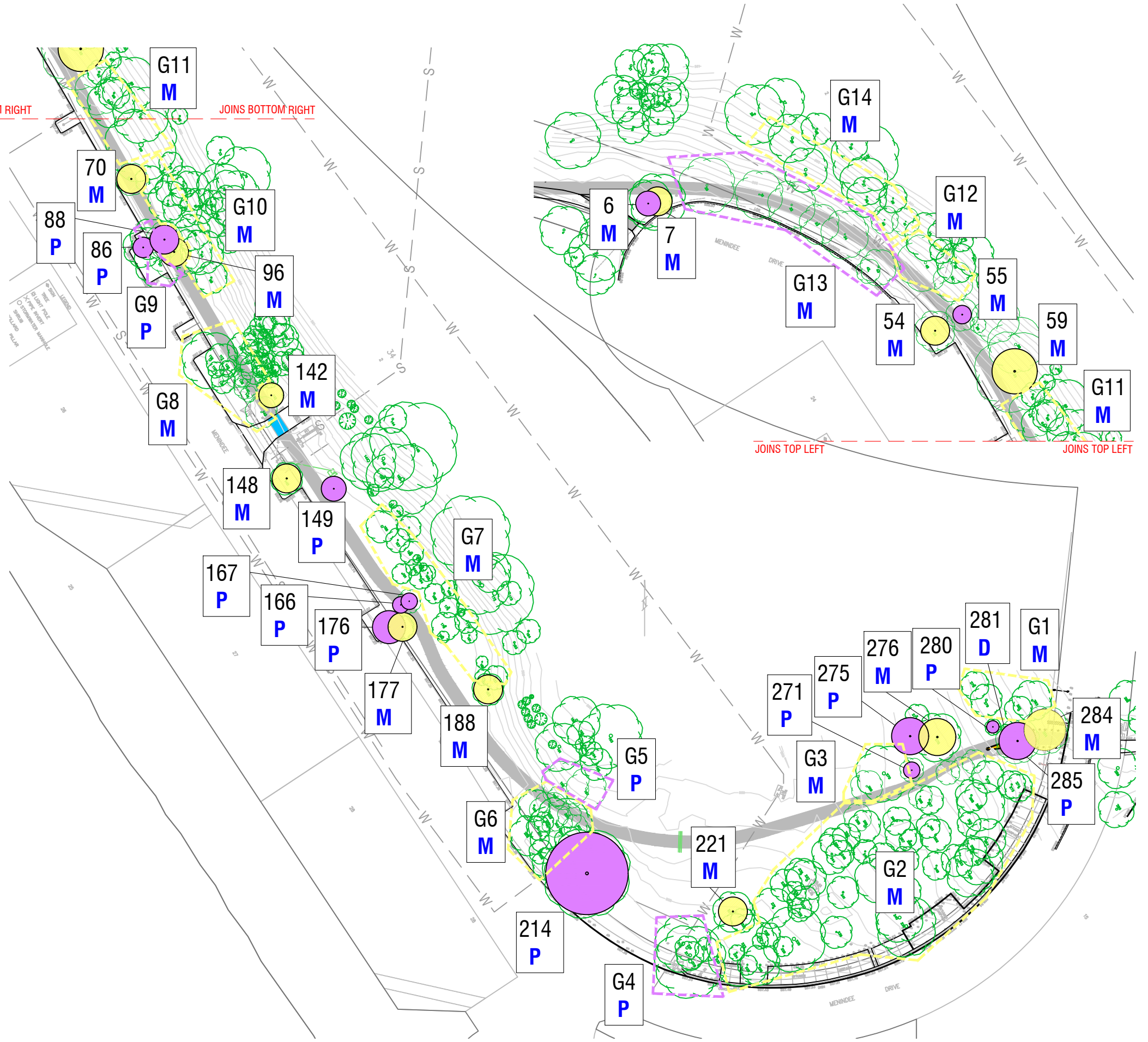
MEDIUM VALUE - trees generally complying with most of the following: reasonable form or reasonable current size with good health / growth potential; healthy specimen with significant growth (or with moderate tree surgery a large tree can be modified from fair to good health, ie can carry some deadwood); has value within the landscape context of the site; presents a medium to low hazard/safety risk. Does not justify special attention of construction expenditure but justifies a minor design adjustment to save or could be removed if necessary. Retain if appropriate to land use and future management cost and risks.



POOR VALUE - trees generally complying with most of the following: specimen with low growth or poor form and possible health problems; trees of little value; presents a high or very high hazard/safety risk. . Expendable, remove if necessary - retain if appropriate to land use and future management costs and risks.



DEAD TREE



ISSUE	DESCRIPTION	DWN	APPD	DATE
C	MINOR AMENDMENTS	BS	MR	07/04/2021
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	MR	JK	11/01/2021

NORTH

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PROJECT TEAM

CLIENT

LANDSCAPE ARCHITECT

5 / 61 Dundas Court PHILLIP ACT 2606
 Ph: (02) 6281 6566 www.envirolinks.com.au

PROJECT

MENINDEE DRIVE
 LINK PATH

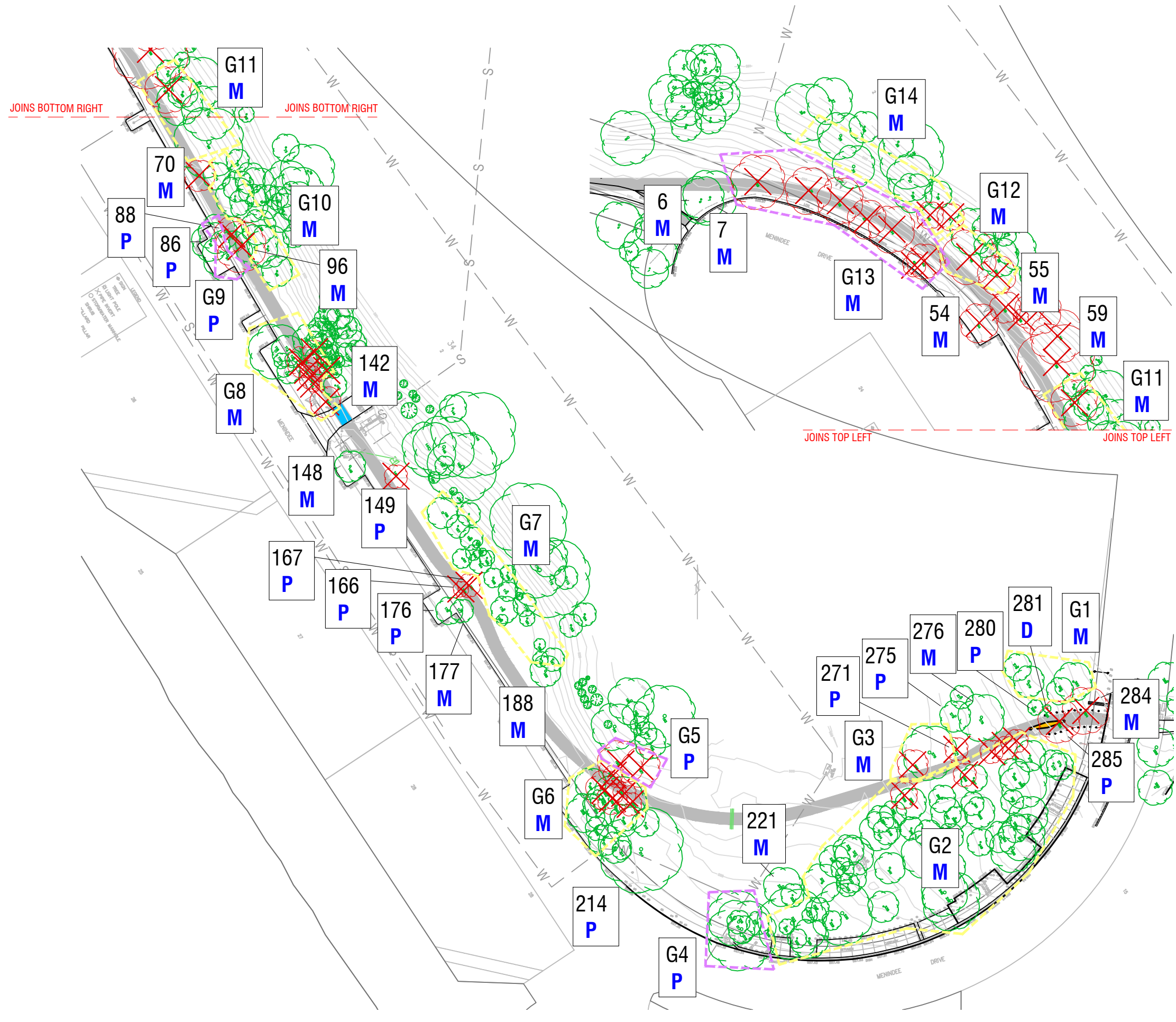
TITLE

TREE ASSESSMENT

SCALE 1:1000@A3

JOB NO. 2066 DWG NO. TA01

ISSUE C



LEGEND

- EXTENT OF WORKS**
- EXISTING TREE** to be retained and protected
- EXISTING TREE** proposed to be removed on leased land (shown for information only refer to 2066-TA-01)
- TEMPORARY PROTECTIVE FENCING** Trees to be retained are to be surrounded by 1800 high continuous mesh temporary fencing as shown on plan for the duration of works. No stockpiling of material, installation of services or site sheds or storage is allowed within the fenced area.
- EXISTING DEVELOPMENT SITE BOUNDARY FENCE**
- TREE PROTECTION ZONE (TPZ)** - (Applicable only to regulated trees within the block boundary - for information only. Refer to Dwg 2066-TA-01) 2 metre zone beyond crown dripline. Note the TPZ also includes the area beneath the tree crown
- SITE ACCESS POINTS**

NOTES:

- Please note the inspection was limited to visual review by a Landscape Architect without coring, probing, excavation, dissection and laboratory analysis. No qualified Arborist review was undertaken. There is no guarantee or warranty that problems or deficiencies in the assessed trees may not arise in the near future or once construction activities commence.
- It should be noted that trees are not geometric elements; their positions, shapes, sizes and heights as indicated by the Surveyor and ELD are indicative only. Field checks are required on any tree or items or detail which are considered critical to the design.

TREE PROTECTION NOTES

1. CONTRACTORS ARE REMINDED THAT THE MAJORITY OF TREE ROOTS GROW IN THE TOP 300 MM OF SOIL.
The feeder roots, often very fine roots that provide the tree with water, oxygen and nutrients tend to be within the top 100mm. These roots typically grow between the tree's trunk to well beyond its 'drip-line' (the canopy edge). Ground works within the drip zone of a tree have the potential to do considerable damage to its root system. It can affect tree stability and tree health to such an extent that it will lead to the decline and possible death of the tree over a period of years. Within lease areas by legislation the Tree Protection Zone (TPZ) extends to tree crown + 2m, including the area beneath the crown.

2. TREE PROTECTION
Existing canopy clearance is not to be altered, unless otherwise approved. Crowns and apex of canopies are not to be altered or reduced. Ensure lifting equipment and load can clear height and width of tree canopy without damage to crown. Ensure construction equipment can pass beneath lowest limb, through driveway access.

3. TREE ROOT PROTECTION
Any excavation (or fill) that occurs within 2m of the drip zone of a tree must be approved by the relevant government agency.

Where excavation is approved, the following measures are to be adopted for tree protection:

- Do not sever large roots (> 30 mm diameter) closer than halfway from the drip-line to the trunk. Hand trenching to a depth of 300mm is required to locate these roots before any mechanical trenching is undertaken.
- All roots must be cut cleanly with equipment specifically designed to cut roots cleanly or other suitable pruning equipment.
- Roots exposed during excavation must be protected from desiccation. Keep lightly watered or cover with hessian, which must be kept moist.
- Water trees that have had disturbance in their root zone. The amount and frequency of water needs to be adapted to the trees requirement, based on seasonal conditions.
- Roots 50mm in diameter or larger shall be protected, including by excavation underneath tree roots where feasible;
- Minimise width of excavation in vicinity of trees as far as possible. shoring of excavations should be adopted in lieu of benching, to minimise overall cut width.

TREE 'REGULATED' STATUS BY VIRTUE OF SIZE

Under the Tree Protection Act 2005 a tree is termed a Regulated Tree and is to be protected if it is growing on Urban Leased land and has at least one of:

- * A height of 12m or more; or
- * A trunk circumference of 1.5m (approx 0.5m in diameter) or more at 1m above ground level; or
- * Two or more trunks and the total circumference of all the trunks, 1m above ground level, is 1.5m or more, or
- * A minimum crown width of 12m or more, and
- * Must be alive - all dead trees have been ranked as Non Protected tree.
- * Is not a weed species under the Pest Plant & Animals Declaration 2005

TREE PROTECTED STATUS

YES - The tree has a dimension that any activity must be assessed under the Tree Protection Act on leased land; or is on Government land eg. road verge, park, etc as all trees on Government land are protected.

NO - The tree if on Leased land does not meet the 'Regulated' tree status dimensions or is a declared Weed Species, it does not require assessment under the Tree Protection Act.

NA - Not applicable as Off Lease but often protected as these trees are generally on Government (Unleased) land.

Trees nominated as Protected can only be removed / pruned if approval in writing gained from all applicable Government agencies.

FUTURE TREE APPROVALS

On-Leased land: if a tree has protected or Regulated status then approval must be gained from TaMS Urban Trees Unit or by a DA through ESDD prior to removal, lopping or ground damaging activity.

Off-Lease (Territory) land: Please note all trees located external to the leased block boundary i.e. the verge, or open space cannot be removed, pruned or damaged without the approval of the TaMS Urban Trees Unit, City Services (13 22 81) as on Government land.










TREE MANAGEMENT:

Trees within lease require a Tree Management Plan (TMP) and on the verge a Landscape Management Protection Plan (LMPP) outlining removals, pruning, tree protection measures, site access and restorative works issues as part of the design process.

REFER TO TREE ASSESSMENT PLAN FOR MORE TREE INFORMATION AND READ IN CONJUNCTION

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<table border="1"> <thead> <tr> <th>ISSUE</th> <th>DESCRIPTION</th> <th>DWN</th> <th>APPD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>MINOR AMENDMENTS</td> <td>BS</td> <td>MR</td> <td>07/04/2021</td> </tr> <tr> <td>B</td> <td>FSP</td> <td>BS</td> <td>MR</td> <td>19/03/2021</td> </tr> <tr> <td>A</td> <td>FOR INFORMATION</td> <td>BS</td> <td>MR</td> <td>20/01/2021</td> </tr> </tbody> </table>	ISSUE	DESCRIPTION	DWN	APPD	DATE	C	MINOR AMENDMENTS	BS	MR	07/04/2021	B	FSP	BS	MR	19/03/2021	A	FOR INFORMATION	BS	MR	20/01/2021	<p>NORTH</p>				
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C	MINOR AMENDMENTS	BS	MR	07/04/2021																					
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LEGEND

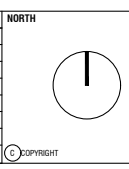
-  **EXTENT OF WORKS**
-  **EXISTING TREE (NOT SURVEYED)**
to be retained
-  **EXISTING TREE GROUP (NOT SURVEYED)**
to be retained
-  **EXISTING TREE (SURVEYED)**
to be retained
Refer TMP for trees to be removed
-  **NEW DECIDUOUS/EXOTIC TREE**
POdw - Populus deltoides 'Weetangera'
TIC - Tilia cordata
-  **NEW NATIVE/ EVERGREEN TREE**
Emf - Eucalyptus mannifera
Eme - Eucalyptus melliodora
Epo - Eucalyptus polyanthemus
-  **TEMPORARY PROTECTION FENCING**
Proposed dryland grassing. Contractor to provide 1800mm high continuous mesh temporary fencing to the approval of the NCA as shown on plan for the duration of works and establishment of grass
-  **PROPOSED GRASSING**
Dryland grassing
-  **RB: ROOT CONTROL BARRIER**
600mm Depth Root Barrier



JOINS L02

JOINS L02

ISSUE	DESCRIPTION	DWN	APPD	DATE
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	BS	MR	20/01/2021



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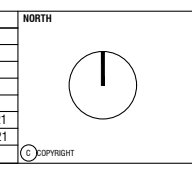


PROJECT
MENINDEE DRIVE
LINK PATH

TITLE		ISSUE
LANDSCAPE PLAN SHEET 1		B
SCALE 1:500@A3	0 1 2 3 4 5 10m	
JOB NO. 2066	DWG NO. L01	



ISSUE	DESCRIPTION	DWN	APPD	DATE
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	BS	MR	20/01/2021



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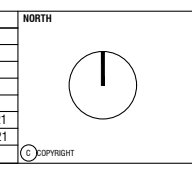


PROJECT
MENINDEE DRIVE
LINK PATH

TITLE	SCALE	ISSUE
LANDSCAPE PLAN SHEET 2	1:500@A3	B
JOB NO. 2066	DWG NO. L02	



ISSUE	DESCRIPTION	DWN	APPD	DATE
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	BS	MR	20/01/2021



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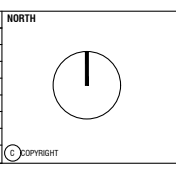
PROJECT

MENINDEE DRIVE
LINK PATH

TITLE	SCALE	ISSUE
LANDSCAPE PLAN SHEET 3	1:500@A3	B
JOB NO. 2066	DWG NO. L03	



ISSUE	DESCRIPTION	DWN	APPD	DATE
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	BS	MR	20/01/2021



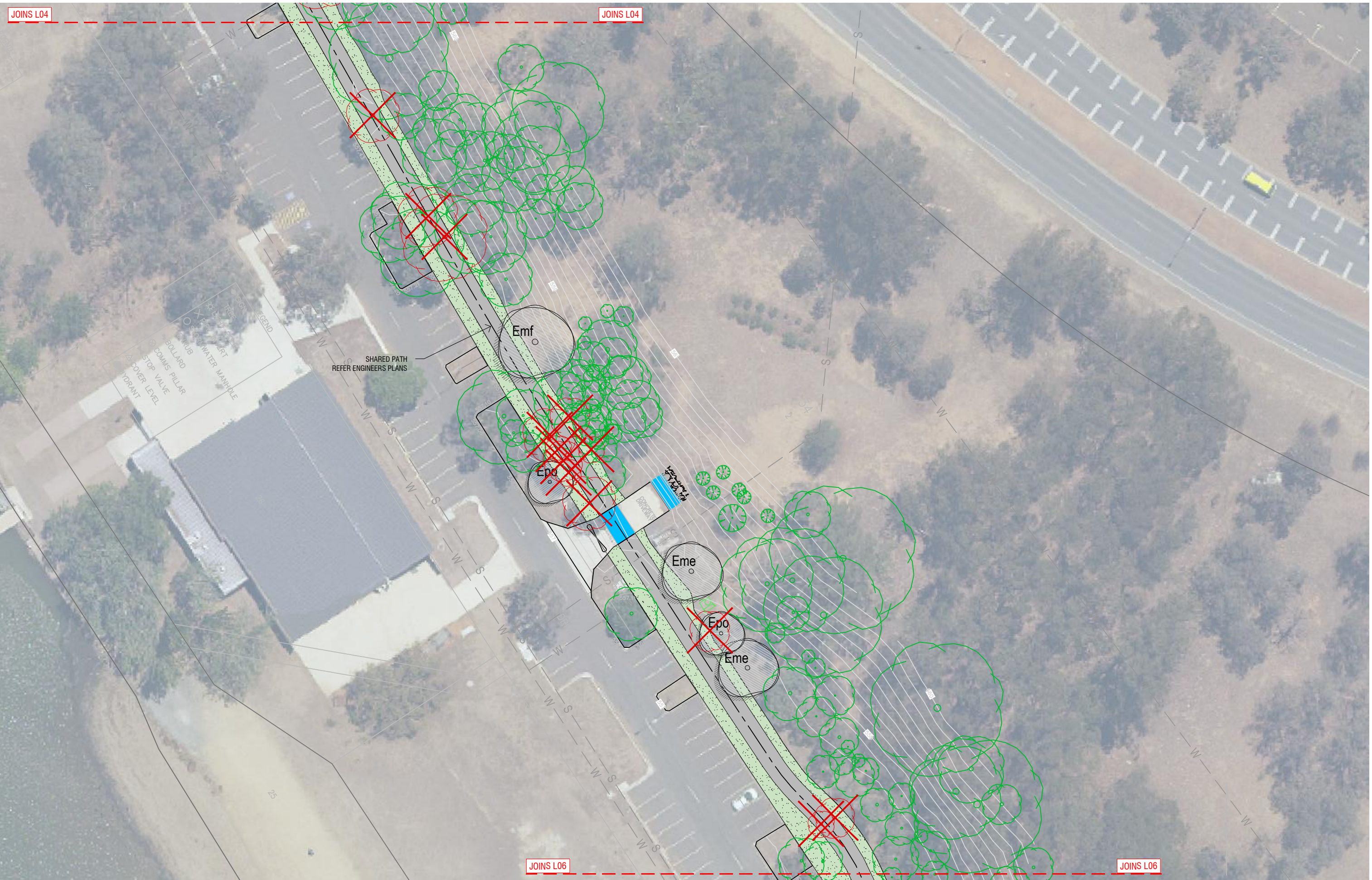
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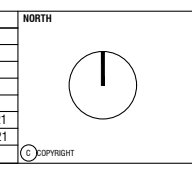


PROJECT
MENINDEE DRIVE
LINK PATH

TITLE	LANDSCAPE PLAN SHEET 4	ISSUE	B
SCALE	1:500@A3		
JOB NO.	2066	DWG NO.	L04



ISSUE	DESCRIPTION	DWN	APPD	DATE
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	BS	MR	20/01/2021



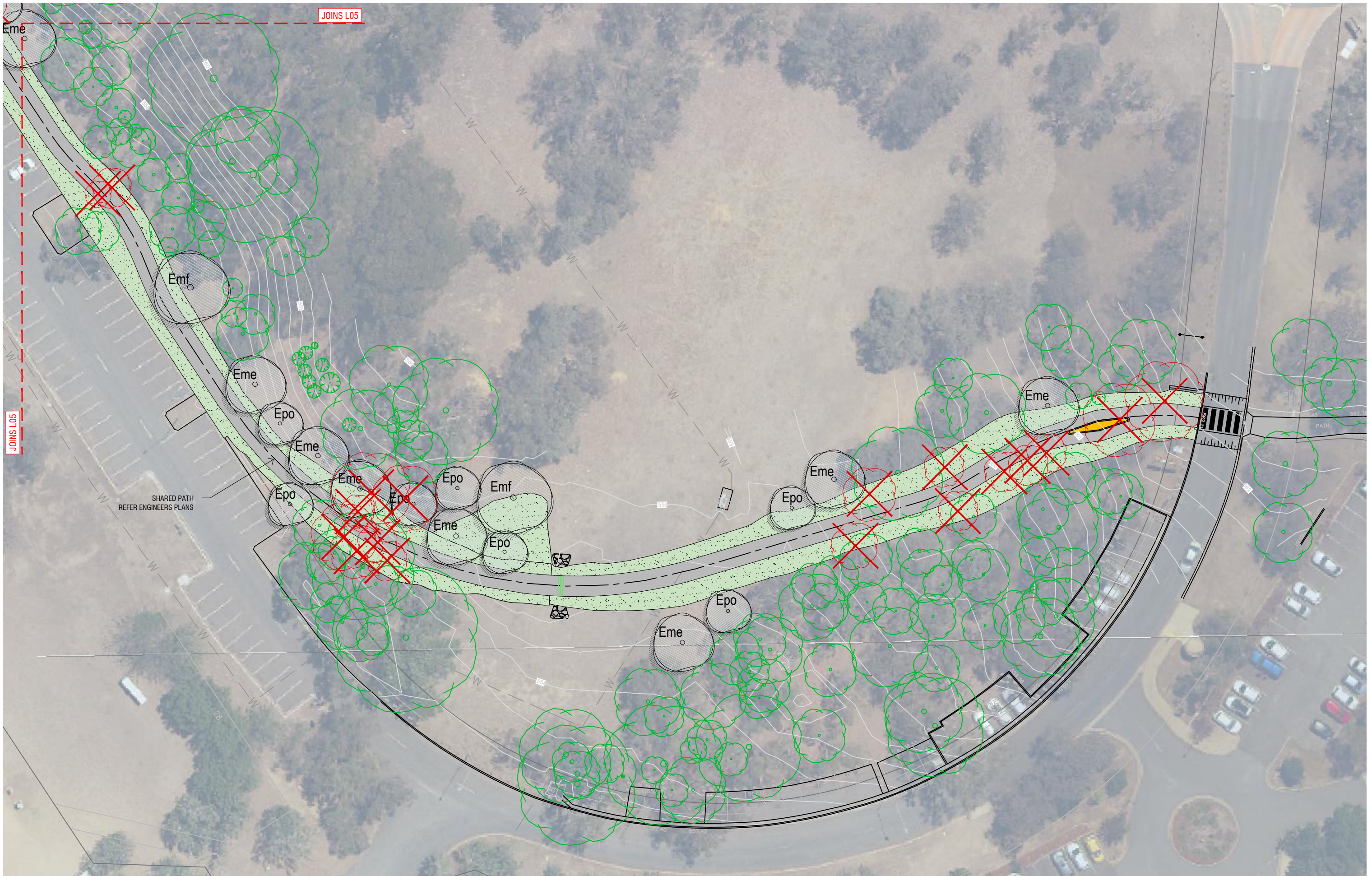
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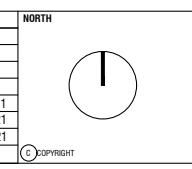


PROJECT
MENINDEE DRIVE
LINK PATH

TITLE		ISSUE
LANDSCAPE PLAN SHEET 5		B
SCALE 1:500@A3	0 1 2 3 4 5 10m	
JOB NO. 2066	DWG NO. L05	



ISSUE	DESCRIPTION	DWN	APPD	DATE
C	MINOR AMENDMENTS	BS	MR	07/04/2021
B	FSP	BS	MR	19/03/2021
A	FOR INFORMATION	BS	MR	20/01/2021



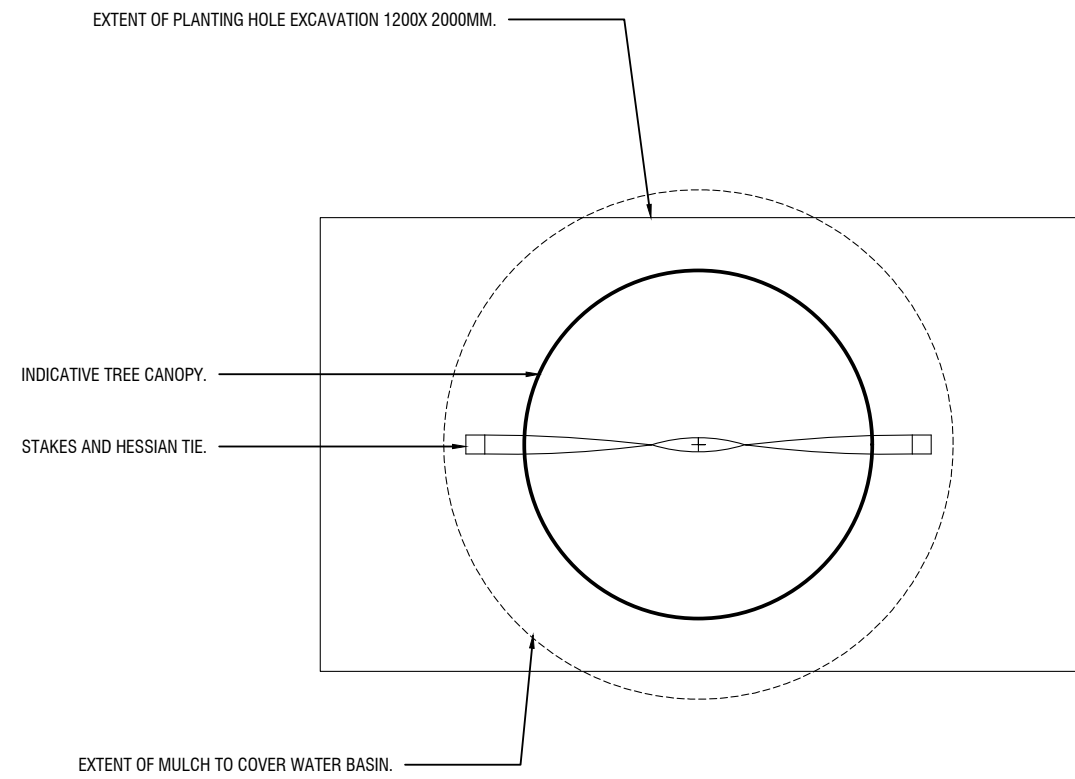
NOTES

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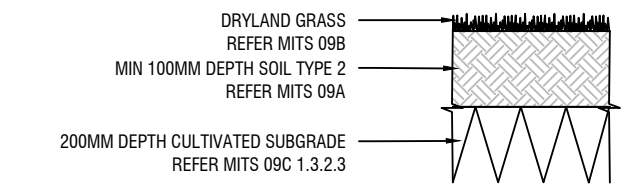


PROJECT
MENINDEE DRIVE
LINK PATH

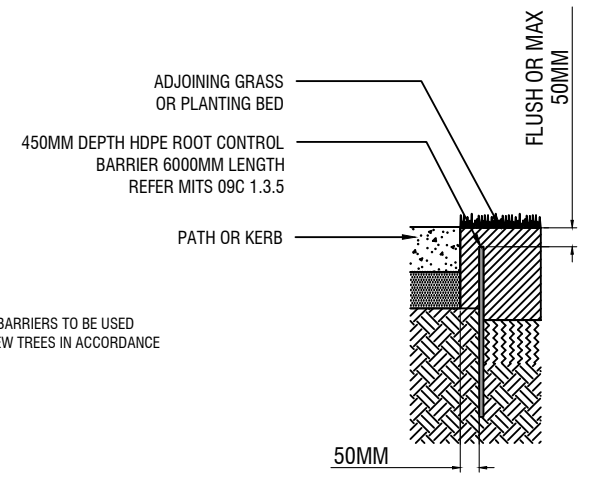
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LANDSCAPE PLAN SHEET 6	1:500@A3	2066	L06	C



TYPICAL PLAN 1:20

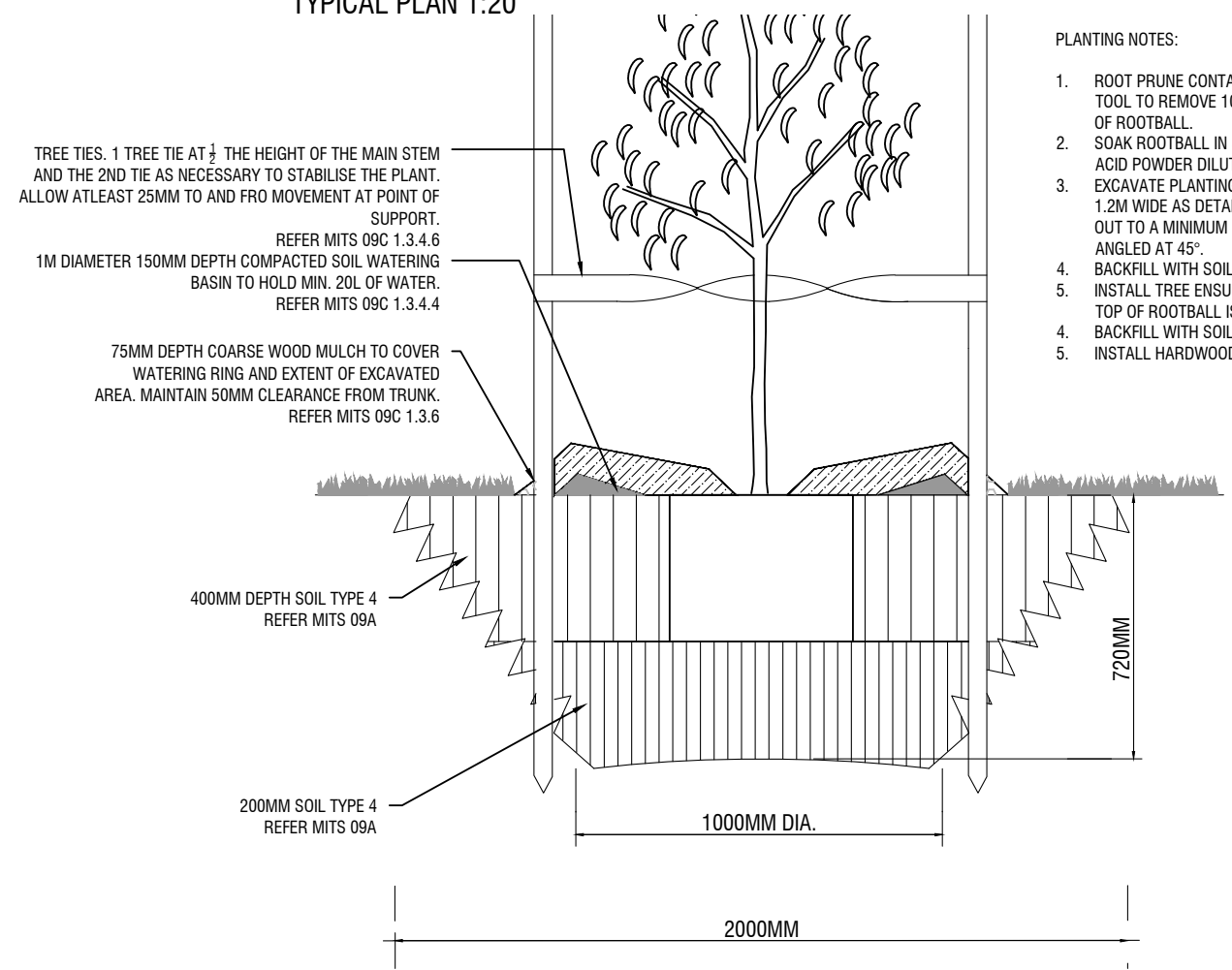


NEW DRYLAND GRASS
TYPICAL SECTION 1:10



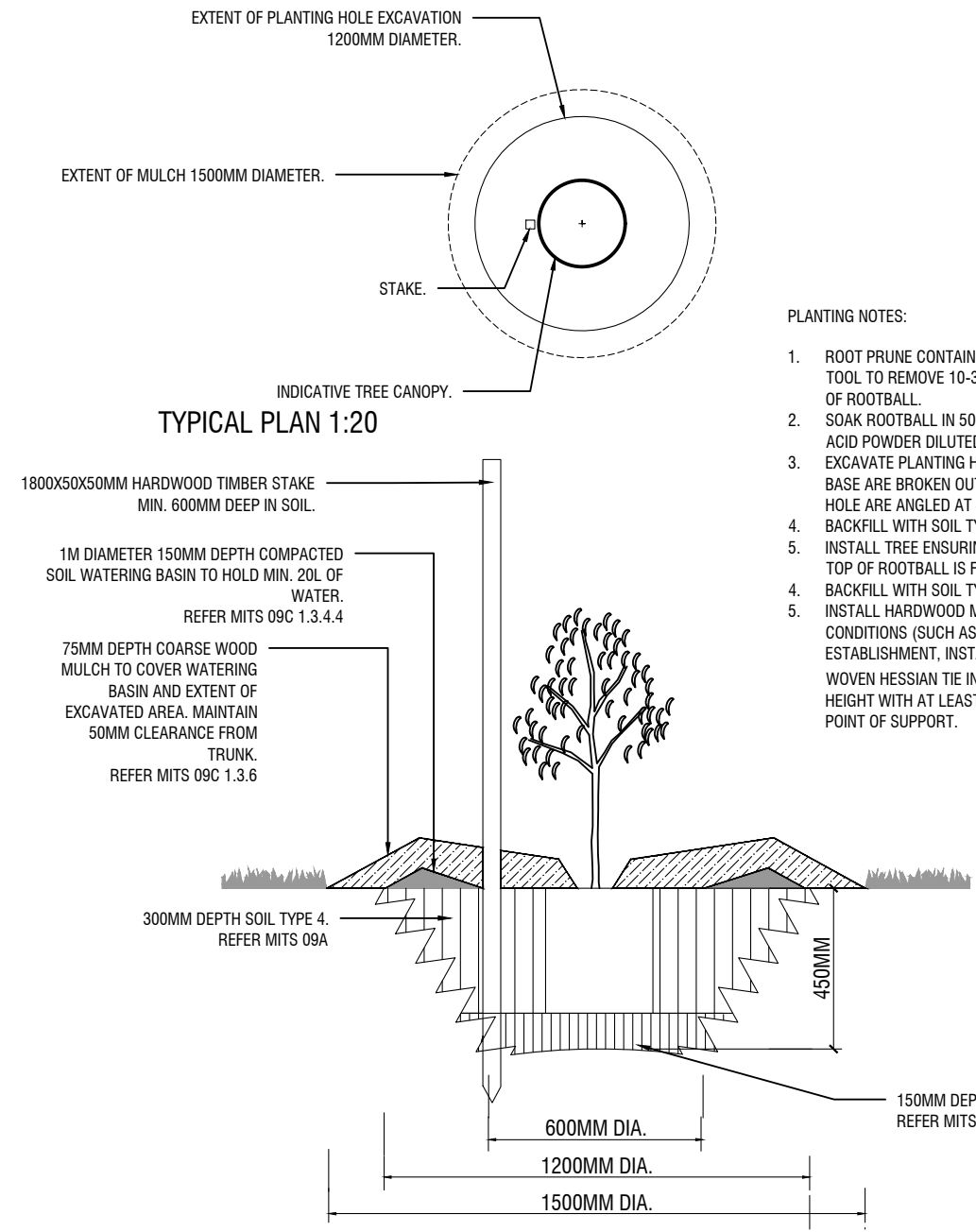
NOTES:
1. ROOT CONTROL BARRIERS TO BE USED ADJACENT TO NEW TREES IN ACCORDANCE WITH MIS25.

ROOT CONTROL BARRIER
TYPICAL SECTION 1:20



- PLANTING NOTES:
1. ROOT PRUNE CONTAINERISED STOCK USING A CLEAN SHARP TOOL TO REMOVE 10-30MM FROM CIRCUMFERENCE AND BOTTOM OF ROOTBALL.
 2. SOAK ROOTBALL IN 50% SOLUBLE KELP EXTRACT 50% FULVIC ACID POWDER DILUTED AT 1:1000 IE. 10g PER 10L OF WATER.
 3. EXCAVATE PLANTING HOLE LONG SIDE PARALLEL TO STREET AND 1.2M WIDE AS DETAILED. ENSURE SIDES AND BASE ARE BROKEN OUT TO A MINIMUM DEPTH OF 100MM AND SIDES OF HOLE ARE ANGLED AT 45°.
 4. BACKFILL WITH SOIL TYPE 4.
 5. INSTALL TREE ENSURING ROOTS ARE SPREAD LATERALLY AND TOP OF ROOTBALL IS FLUSH WITH GROUND LEVEL.
 4. BACKFILL WITH SOIL TYPE 4.
 5. INSTALL HARDWOOD STAKES AND TIES.

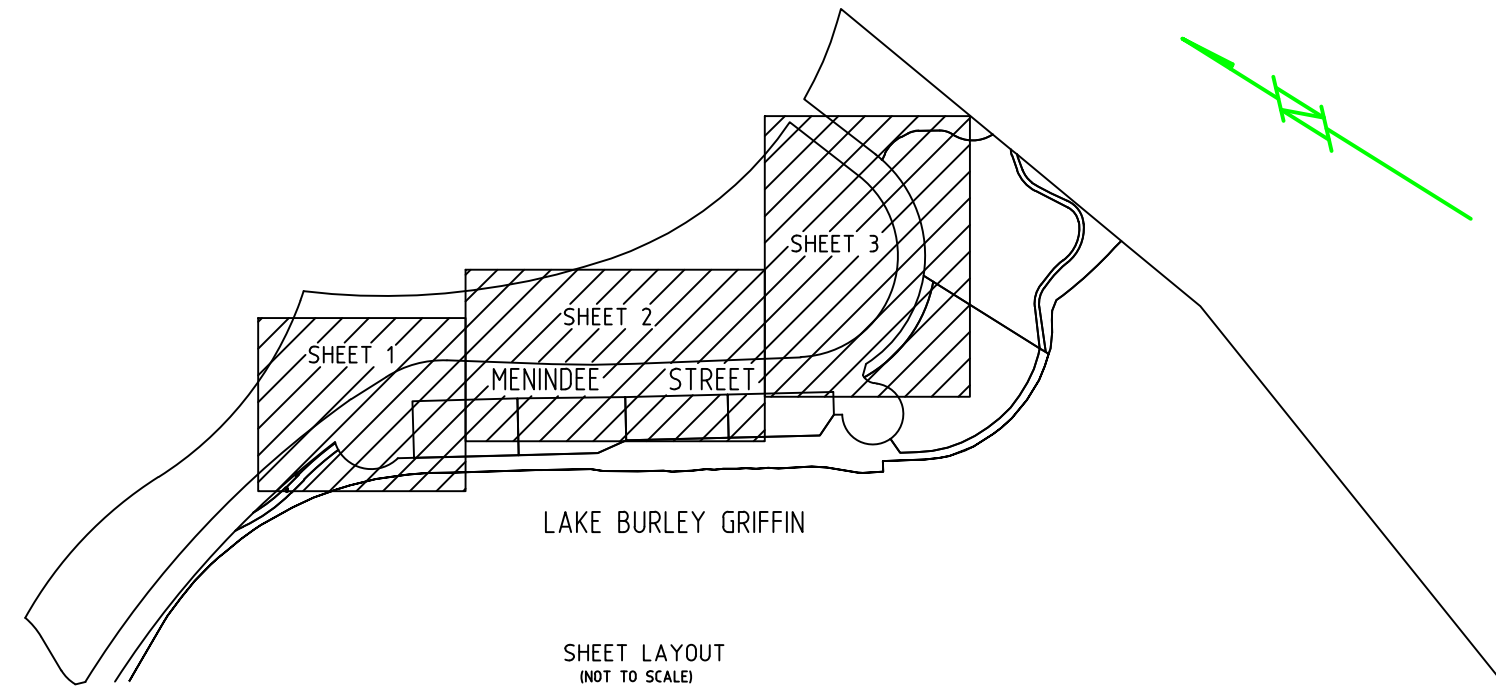
DECIDUOUS TREE PLANTING
TYPICAL SECTION 1:20



- PLANTING NOTES:
1. ROOT PRUNE CONTAINERISED STOCK USING A CLEAN SHARP TOOL TO REMOVE 10-30MM FROM CIRCUMFERENCE AND BOTTOM OF ROOTBALL.
 2. SOAK ROOTBALL IN 50% SOLUBLE KELP EXTRACT 50% FULVIC ACID POWDER DILUTED AT 1:1000 IE. 10g PER 10L OF WATER.
 3. EXCAVATE PLANTING HOLE AS DETAILED. ENSURE SIDES AND BASE ARE BROKEN OUT TO A DEPTH OF 100MM AND SIDES OF HOLE ARE ANGLED AT 45°.
 4. BACKFILL WITH SOIL TYPE 4.
 5. INSTALL TREE ENSURING ROOTS ARE SPREAD LATERALLY AND TOP OF ROOTBALL IS FLUSH WITH GROUND LEVEL.
 4. BACKFILL WITH SOIL TYPE 4.
 5. INSTALL HARDWOOD MARKER STAKE AS DETAILED. WHERE SITE CONDITIONS (SUCH AS WIND) IMPACT TREE STABILITY DURING ESTABLISHMENT, INSTALL TWO STAKES AND 50MM WIDE SOFT WOVEN HESSIAN TIE IN CONTINUOUS FIGURE 8 AT 1/3 - 1/2 OF TREE HEIGHT WITH AT LEAST 25MM TO AND FRO MOVEMENT AT THE POINT OF SUPPORT.

NATIVE TREE PLANTING
TYPICAL SECTION 1:20

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<p>A FSP</p>	<p>BS MR 19/03/2021</p>	<p>DWN APPD DATE</p>	<p>SCALE</p> <p>AS SHOWN</p>	<p>JOB NO.</p> <p>2066</p>	<p>ISSUE</p> <p>A</p>	
<p>DESCRIPTION</p>		<p>DATE</p>	<p>DWG NO.</p> <p>LD01</p>			



TREE TABLE - MENINDEE DRIVE											
Pt Num	Canopy	Trunk Dia.	Height	No. of Trunks	Trunk Circ.	Pt Num	Canopy	Trunk Dia.	Height	No. of Trunks	Trunk Circ.
1	10	0.25	8.5	3	0.8	140	16	0.7	13.2	2	2.2
2	6	0.35	10	1	1.1	141	10	0.7	13.2	1	1.9
3	14	0.45	10	1	1.4	148	8	0.45	7.1	1	1.4
4	12	0.5	11.2	1	1.6	149	6	0.25	4.9	4	0.8
5	8	0.6	7.5	1	1.9	150	3	0.1	1.9	1	0.3
6	12	0.35	11.1	1	1.1	151	5	0.35	15.3	1	1.1
7	14	0.4	11.7	1	1.3	152	18	0.9	18.6	2	2.8
8	14	0.4	11.4	1	1.3	153	3	0.1	6.9	1	0.3
9	8	0.4	10.3	1	1.3	154	3	0.15	5	1	0.5
10	8	0.3	10.3	2	0.9	155	0	0.5	9.5	2	1.6
11	10	0.35	11.3	2	1.1	156	0	0.2	8.9	2	0.6
12	12	0.5	15.6	1	1.6	157	6	0.2	8.9	3	0.6
13	4	0.2	11.6	1	1.3	158	0	0.4	14.4	2	1.3
14	4	0.2	11.6	1	1.3	159	2	0.15	6.7	1	0.5
15	4	0.1	11.6	1	1.3	160	0	0.1	22.8	1	1.1
16	4	0.25	13.3	0	0.8	161	5	0.2	9.3	0	0.6
17	8	0.35	11.8	2	1.1	162	2	0.2	16.8	0	0.6
18	4	0.1	4	0	0.3	163	2	0.15	6.6	0	0.5
19	12	0.4	13.8	1	1.3	164	0	0.3	11.3	0	0.6
20	6	0.45	11.4	1	1.4	165	4	0.2	8.2	0	0.6
21	8	0.5	9.2	1	1.6	166	4	0.4	8	2	1.3
22	8	0.4	13	1	1.3	167	0	0.4	7.2	2	1.3
23	8	0.45	15	2	1.1	168	5	0.4	11.8	1	1.3
24	12	0.35	11.3	2	1.1	169	4	0.2	9.1	1	0.6
25	14	0.5	8.7	2	1.6	170	14	0.9	17.5	2	2.8
26	15	0.4	11.5	2	1.3	171	10	0.6	17	1	1.9
27	12	0.35	11.8	2	1.1	172	20	0.6	25	3	3.1
28	8	0.35	8.4	1	1.1	173	0	0.5	27	1	1.6
29	12	0.35	10.6	1	1.1	174	0	0.3	26	0	0.6
30	11	0.45	10.6	2	1.7	175	2	0.1	5.8	0	0.3
31	12	0.3	8.2	0	0.8	176	7	0.35	7.8	0	1.1
32	12	0.4	8.7	1	1.3	177	6	0.4	13.1	1	1.3
33	10	0.3	11.2	1	1.1	178	0	0.1	8.6	0	0.6
34	12	0.35	7	1.1	179	0	0.3	12.7	0	0.9	
35	10	0.3	10.8	1	1.1	180	0	0.3	6.1	0	0.6
36	17	0.6	16.7	1	1.9	181	4	0.3	12	0	0.9
37	12	0.45	11.7	1	1.4	182	NOT	UNED	1	1.1	
38	10	0.3	9	1.1	1.3	183	3	0.4	14.6	0	1.3
39	7	0.2	9.1	0	0.6	184	6	0.4	24.4	1	1.3
40	7	0.2	9.1	0	0.6	185	2	0.2	11.2	0	0.6
41	7	0.2	12.8	0	0.6	186	4	0.2	9	0	0.6
42	6	0.15	12.7	0	0.5	187	0	0.35	15.3	0	0.6
43	9	0.25	6	0	0.8	188	6	0.5	13.8	1	1.6
44	12	0.5	16	1	1.6	189	12	0.7	14.9	1	1.1
45	8	0.4	15.5	1	1.3	190	10	0.35	14.9	1	1.1
46	6	0.35	11.6	1	1.1	191	12	0.7	16	2	2.2
47	6	0.3	10	0	0.8	192	0	0.3	11.1	0	0.9
48	14	0.6	14	1	1.9	193	16	0.8	16.5	2	2.5
49	10	0.45	16.7	1	1.4	194	0	0.25	8.4	0	0.8
50	10	0.4	15.7	1	1.3	195	8	0.4	10.5	1	1.3
51	NOT	UNED	16.4	1	1.6	196	0	0.35	17.5	0	1.6
52	10	0.6	16.4	2	1.9	197	10	0.5	11.4	1	1.6
53	6	0.3	13.8	2	0.9	198	5	0.35	13.4	1	1.1
54	10	0.45	14.4	1	1.4	199	10	0.7	10.7	1	1.6
55	8	0.4	9.1	1	1.3	200	10	0.5	19.2	1	1.6
56	4	0.2	7.8	0	0.8	201	9	0.35	19.1	1	1.1
57	12	0.55	11.9	1	1.7	202	5	0.4	12	1	1.3
58	14	0.6	12	1	1.9	203	9	0.4	13.2	1	1.3
59	20	0.8	17	2	2.5	204	6	0.35	13.5	0	0.8
60	10	0.45	16.7	1	1.4	205	10	0.4	11.1	1	1.6
61	4	0.2	7	0	0.6	206	10	0.9	16	1	1.9
62	6	0.4	10.7	1	1.3	207	0	0.4	12.8	1	1.3
63	12	0.6	12.6	2	1.9	208	19	0.9	7.4	3	3.9
64	12	0.6	15	2	1.9	209	7	0.4	12.7	1	1.3
65	8	0.3	10	1	1.1	210	0	0.3	10.9	1	1.3
66	14	0.55	15.9	1	1.7	211	8	0.4	15	1	1.3
67	14	0.55	13.9	1	1.6	212	0	0.3	10.5	0	0.8
68	4	0.3	11.5	0	0.9	213	5	0.35	9.9	0	0.8
69	8	0.5	14	1	1.3	214	4	0.3	17.5	1	1.6
70	8	0.5	15.7	1	1.6	215	14	0.75	14.5	2	2.4
71	7	0.3	13.2	2	0.9	216	0	0.6	20.5	3	3.9
72	6	0.3	12.7	1	0.9	217	0	0.3	16	1	1.3
73	7	0.35	12	1	1.1	218	18	0.6	17	2	2.5
74	8	0.3	10.4	0	0.9	219	0	0.3	10	1	1.3
75	8	0.3	14	0	0.9	220	0.5	0.2	8.5	0	0.6
76	10	0.45	12	0	1.1	221	0	0.3	11.5	1	1.6
77	10	0.25	13.8	0	0.8	222	6	0.35	12	0	0.8
78	12	0.6	16.4	1	1.9	223	18	0.8	14	2	2.5
79	14	0.45	11.8	1	1.4	224	1	0.2	10	3	0.6
80	10	0.25	11.6	1	1.3	225	5	0.2	8	3	0.6
81	8	0.4	16	1	1.3	226	0	0.4	15	1	1.3
82	8	0.18	9.6	0	0.6	227	4	0.2	8	0	0.6
83	14	0.4	11.5	2	1.4	228	6	0.3	11.5	1	1.6
84	10	0.25	14	0	0.8	229	5	0.2	9.5	0	0.6
85	10	0.25	14.1	2	0.8	230	0	0.3	29	1	1.6
86	10	0.25	5.1	2	0.8	231	10	0.35	12	1	1.1
87	10	0.25	16.4	0	0.8	232	0	0.3	12.5	0	0.8
88	8	0.25	16.4	0	0.8	233	6	0.4	14.5	1	1.3
89	9	0.25	9.6	0	0.8	234	0	0.3	10	0	0.6
90	6	0.2	13	0	0.6	235	0	0.3	10	0	0.6
91	7	0.3	12	2	0.9	236	8	0.4	14.5	1	1.3
92	7	0.3	16.7	0	0.9	237	10	0.45	18	1	1.4
93	6	0.2	7.7	0	0.6	238	3	0.3	10	0	0.6
94	11	0.3	12.3	0	0.9	239	11	0.4	21.5	2	2.5
95	11	0.3	12.7	0	0.9	240	12	0.7	16	2	2.2
96	13	0.55	15.5	1	1.7	241	5	0.4	13	2	1.3
97	13	0.6	10.7	2	1.7	242	0	0.4	11	1	1.3
98	8	0.35	12.1	1	1.1	243	10	0.5	11	1	1.6
99	2	0.14	2.5	0	0.1	244	10	0.45	15	1	1.4
100	2	0.08	2.8	0	0.3	245	7	0.4	15	1	1.3
101	3	0.06	2.8	0	0.3	246	0	0.3	12.5	0	0.8
102	2	0.04	2.5	0	0.1	247	7	0.35	12	0	0.8
103	9	0.4	13	1	1.3	248	12	0.6	12	1	1.6
104	6	0.2	7.8	0	0.6	249	7	0.3	14.5	0	0.9
105	6	0.35	13.2	1	1.1	250	12	0.7	14	2	2.2
106	5	0.35	9.9	1	1.1	251	0	0.3	12.5	0	0.9
107	2	0.15	6.9	0	0.5	252	7	0.3	16.5	0	0.9
108	NOT	UNED	16.4	0	0.8	253	8	0.5	15	1	1.6
109	8	0.25	8.7	0	0.8	254	12	0.5	15	1	1.6
110	8	0.25	8.7	0	0.8	255	7	0.4	19.5	2	1.3
111	7	0.35	12.5	1	1.1	256	6	0.5	15	2	1.6
112	4	0.2	8.1	0	0.6	257	0	0.4	12	2	1.3
113	2	0.1	4.5	0	0.3	258	6	0.3	12	0	0.6
114	5	0.3	11.2	0	0.9	259	7	0.5	11.5	1	1.6
115	4	0.25	14	0	0.8	260	11	0.4	15	1	1.3
116	8	0.45	16.4	1	1.4	261	6	0.3	15	0	0.9
117	8	0.3	11.2	0	0.8	262	8	0.4	14.5	1	1.3
118	14	0.55	14.8	1	1.7	263	6	0.3	14	0	0.9
119	4	0.3	10.9	4	0.9	264	10	0.6	12	2	1.9
120	4	0.2	7.1	0	0.6	265	8	0.4	11	2	1.3
121	8	0.4	13.7	1	1.3	266	0	0.25	10	0	0.6
122	6	0.35	14.9	1	1.1	267	9	0.35	12	1	1.1
123	3	0.15	5.2	0	0.5	268	10	0.4	11.5	1	1.3
124	3	0.2	10.4	0	0.6	269	0	0.3	13	2	1.9
125	8	0.3	9.8	0	0.9	270	14	0.75	14.5	2	2.4
126	6	0.4	12	2	1.3	271	1	0.3	12	1	1.3
127	6	0.3	12.3	0	0.8	272	8	0.35	11	1	1.1
128	4	0.25	8.5	0	0.6	273	7	0.3	12	0	0.6
129	5	0.15	6.5	0	0.5	274	7	0.3	11.5	0	0.9
130	3	0.15	8.8	0	0.5	275					



LEGEND

	SIGN
	TREE
	LIGHT POLE
	PIPE INVERT
	STORMWATER MANHOLE
	SHRUB
	BOLLARD
	COMMS PILLAR
	STOP VALVE
	COVER LEVEL
	HYDRANT

CLIENT
Transport Canberra and City Services

REVISION	DATE	ZONE

For the purpose of this plan, the boundary information shown is from Actmap digital data base only. Boundaries have not been surveyed therefore further survey and marking of boundaries may be required.

The symbols used in this plan and associated digital data do not necessarily reflect the size and orientation of the object they represent.

Tree canopies are shown as a circular representation only and may not reflect irregular canopies.

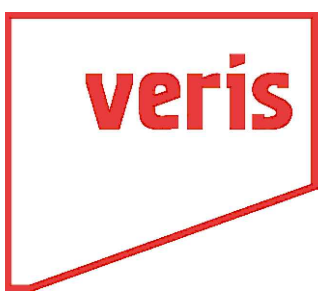
Services shown hereon have been determined from visual evidence only. Prior to any demolition, excavation or construction on the site the relevant authority should be contacted to establish detailed location and depth.

Survey data including services shown on this plan is correct at the date of survey. Site conditions may have altered since the date of survey & we advise that the survey data may need verification.

Every effort has been made to ensure that the model within this data set is an accurate representation of the actual surface. Isolated deflections in the surface could occur between surveyed data points and these deflections may not be in the model.

Plan to be read in conjunction with the digital data.

Contour Interval	0.25	BM	LB4
Datum	A.H.D	RL	556.549
Scale	1:250		
Surveyed	N.Wilson/N.Kell/S.Broadbent	13/11/2020	
Drawn	S.Wade	16/11/2020	
Checked	B.Skeers	16/11/2020	
Approved			
	Surveyor, Registered under the Surveyors Act 2007.		



CANBERRA
11-13 Lawry Place,
Macquarie, ACT, 2614
Phone 02 6202 7600

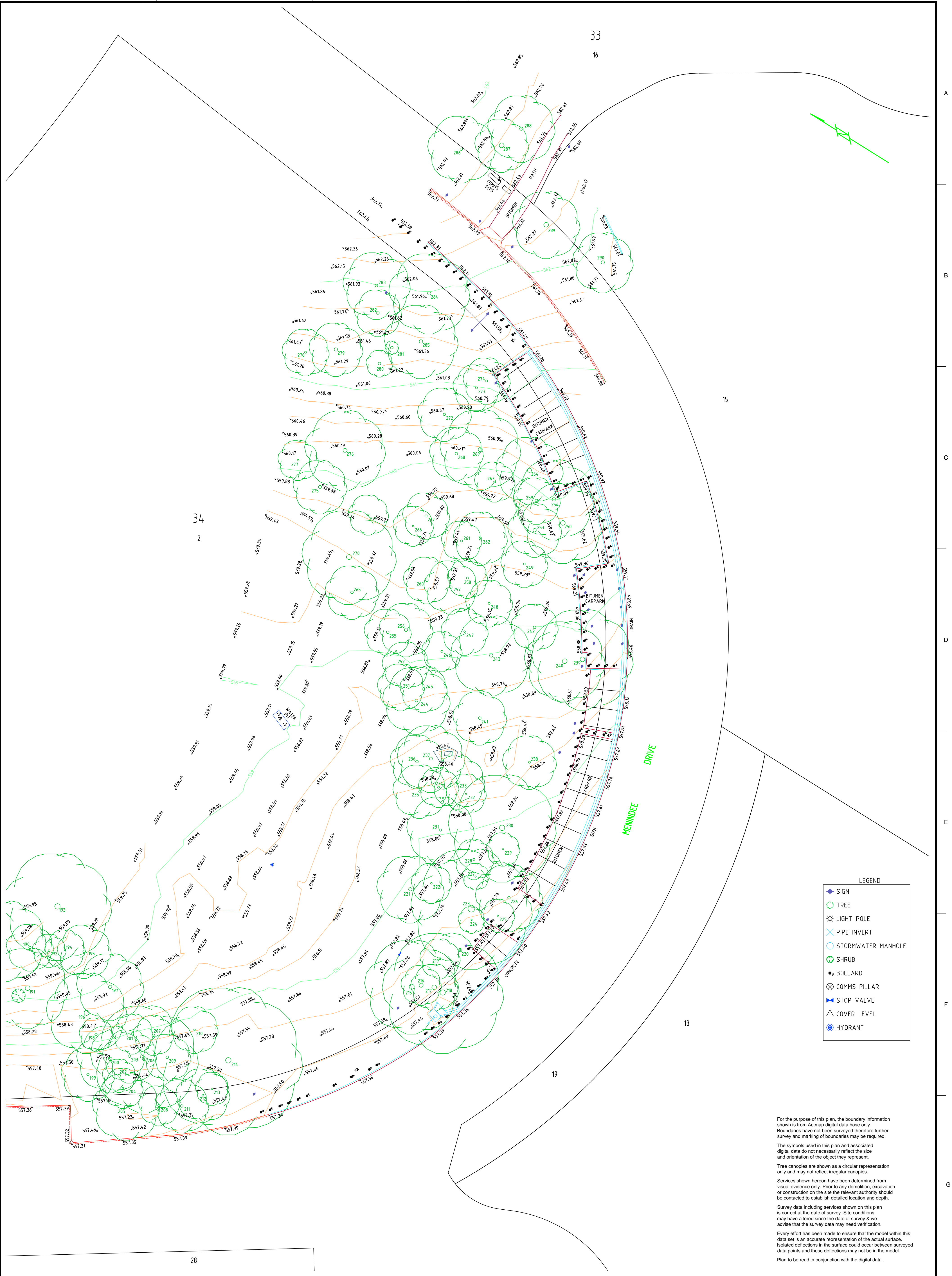
Detail Survey
Menindee Drive
Barton

Proj No. 2020.185

Rev

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2020.185_DT_001
A1



LEGEND

- SIGN
- TREE
- LIGHT POLE
- PIPE INVERT
- STORMWATER MANHOLE
- SHRUB
- BOLLARD
- COMMS PILLAR
- STOP VALVE
- COVER LEVEL
- HYDRANT

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CLIENT
Transport Canberra and City Services

REVISION	DATE	ZONE

Contour Interval	0.25	BM	LB4
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A1

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This plan of survey and its associated digital data was prepared under instruction to meet specification as agreed. This information should not be used or relied upon by any other party.