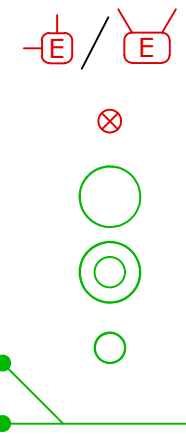
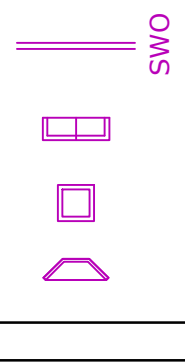


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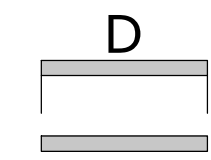
- PROPOSED STAGE BOUNDARY
- PROPOSED WATER MAIN (REFER SA WATER DRAWINGS)
- PROPOSED CST (REFER SAPN DRAWINGS)
- PROPOSED SEWER MAIN (REFER SA WATER DRAWINGS)
- PROPOSED STORMWATER DRAIN (REFER SHEETS 070 TO 079)
- PROPOSED WATER CONNECTION (REFER SA WATER DRAWINGS)
- PROPOSED POTABLE WATER FITTINGS (REFER SA WATER DRAWINGS)



- PROPOSED SAPN PILLAR/UNDERGROUND PIT (REFER SAPN DRAWINGS)
- PROPOSED SAPN LIGHT POLE (REFER SAPN DRAWINGS)
- PROPOSED SEWER MAN HOLE (REFER SA WATER DRAWINGS)
- PROPOSED MAINTENANCE SHAFT (REFER SA WATER DRAWINGS)
- PROPOSED SEWER I.O. (REFER SA WATER DRAWINGS)
- PROPOSED SEWER CONNECTION (REFER SA WATER DRAWINGS)



- PROPOSED STORM WATER KERB OUTLET
- PROPOSED SIDE ENTRY PIT (SEP) (REFER SHEETS 070 TO 079)
- PROPOSED JUNCTION BOX (JB) (REFER SHEETS 070 TO 079)
- PROPOSED HEADWALL (HW) (REFER SHEETS 070 TO 079)
- PROPOSED FOOTPATH



- DENOTES FUTURE DRIVEWAY LOCATION (BY OTHERS)
- DENOTES ALLOWABLE BOUNDARY BUILD (BY FUTURE OWNER)
- PROPOSED Ø100mm IRRIGATION CONDUIT. REFER GENERAL CONSTRUCTION DRAWINGS FOR IRRIGATION NOTES
- EXISTING WATER MAIN
- EXISTING CST
- EXISTING SEWER MAIN
- EXISTING STORMWATER DRAIN

FOR CONTINUATION REFER SHEET 011

THIS DRAWING IS TO BE VIEWED IN COLOUR AS SOME FEATURES / SYMBOLS ARE DIFFERENTIATED BY COLOUR. DRAWING NOT TO BE RELIED ON IF PRINTED IN GREYSCALE.

0 2.5 5 10 15  
1:250 (A1); 1:500 (A3)

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
A1

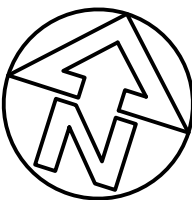
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DATUM: ALL LEVELS TO A.H.D.

SCALE:

SURVEYED: ALEXANDER SYMONDS  
SURVEY DATE: 19.10.2020

APPROVED / PROJECT LEADER

S.PAPE



PUBLIC UTILITIES:

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FOR CONSTRUCTION

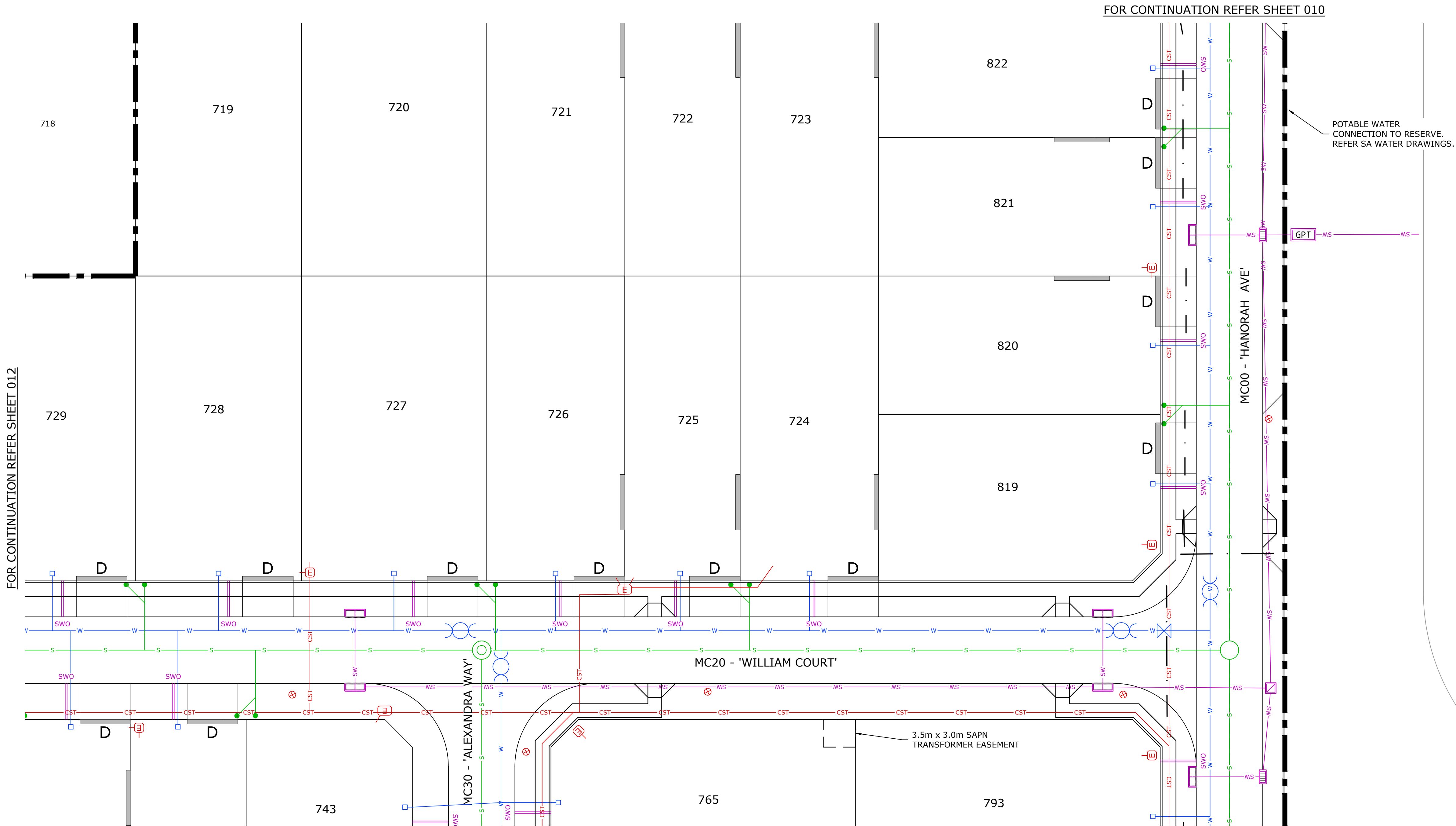
ASTRAD PTY LTD

VIRGINIA GROVE - STAGE 13

D/N: 292/D003/20 - SHEEDY ROAD VIRGINIA  
MASTER SERVICES PLAN - SHEET 1

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
211189_03_SERVICES.DWG	211189	010	0

FOR CONTINUATION REFER SHEET 012



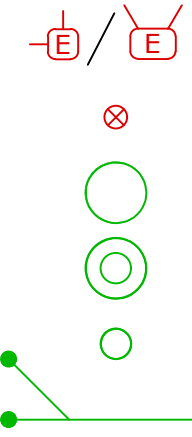
POTABLE WATER  
CONNECTION TO RESERVE.  
REFER SA WATER DRAWINGS.

RESERVATION

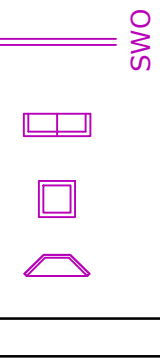
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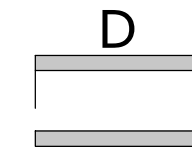
- PROPOSED STAGE BOUNDARY
- PROPOSED WATER MAIN (REFER SA WATER DRAWINGS)
- PROPOSED CST (REFER SAPN DRAWINGS)
- PROPOSED SEWER MAIN (REFER SA WATER DRAWINGS)
- PROPOSED STORMWATER DRAIN (REFER SHEETS 070 TO 079)
- PROPOSED WATER CONNECTION (REFER SA WATER DRAWINGS)
- PROPOSED POTABLE WATER FITTINGS (REFER SA WATER DRAWINGS)



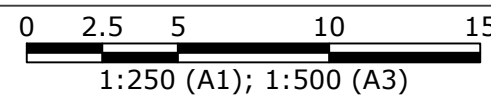
- PROPOSED SAPN PILLAR/UNDERGROUND PIT (REFER SAPN DRAWINGS)
- PROPOSED SAPN LIGHT POLE (REFER SAPN DRAWINGS)
- PROPOSED SEWER MAN HOLE (REFER SA WATER DRAWINGS)
- PROPOSED MAINTENANCE SHAFT (REFER SA WATER DRAWINGS)
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- PROPOSED STORM WATER KERB OUTLET
- PROPOSED SIDE ENTRY PIT (SEP) (REFER SHEETS 070 TO 079)
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- PROPOSED HEADWALL (HW) (REFER SHEETS 070 TO 079)
- PROPOSED FOOTPATH



- DENOTES FUTURE DRIVEWAY LOCATION (BY OTHERS)
- DENOTES ALLOWABLE BOUNDARY BUILD (BY FUTURE OWNER)
- PROPOSED Ø100mm IRRIGATION CONDUIT. REFER GENERAL CONSTRUCTION DRAWINGS FOR IRRIGATION NOTES
- EXISTING WATER MAIN
- EXISTING CST
- EXISTING SEWER MAIN
- EXISTING STORMWATER DRAIN

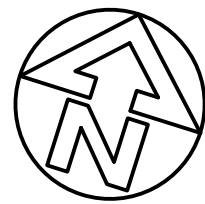


100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
A1

0	ISSUED FOR CONSTRUCTION	16.06.22	RIH	RIH
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.

COORDS: MGA94 ZONE 54  
DATUM: ALL LEVELS TO A.H.D.  
SCALE:  
SURVEYED: ALEXANDER SYMONDS  
SURVEY DATE: 19.10.2020  
APPROVED / PROJECT LEADER  
S.PAPE



PUBLIC UTILITIES:

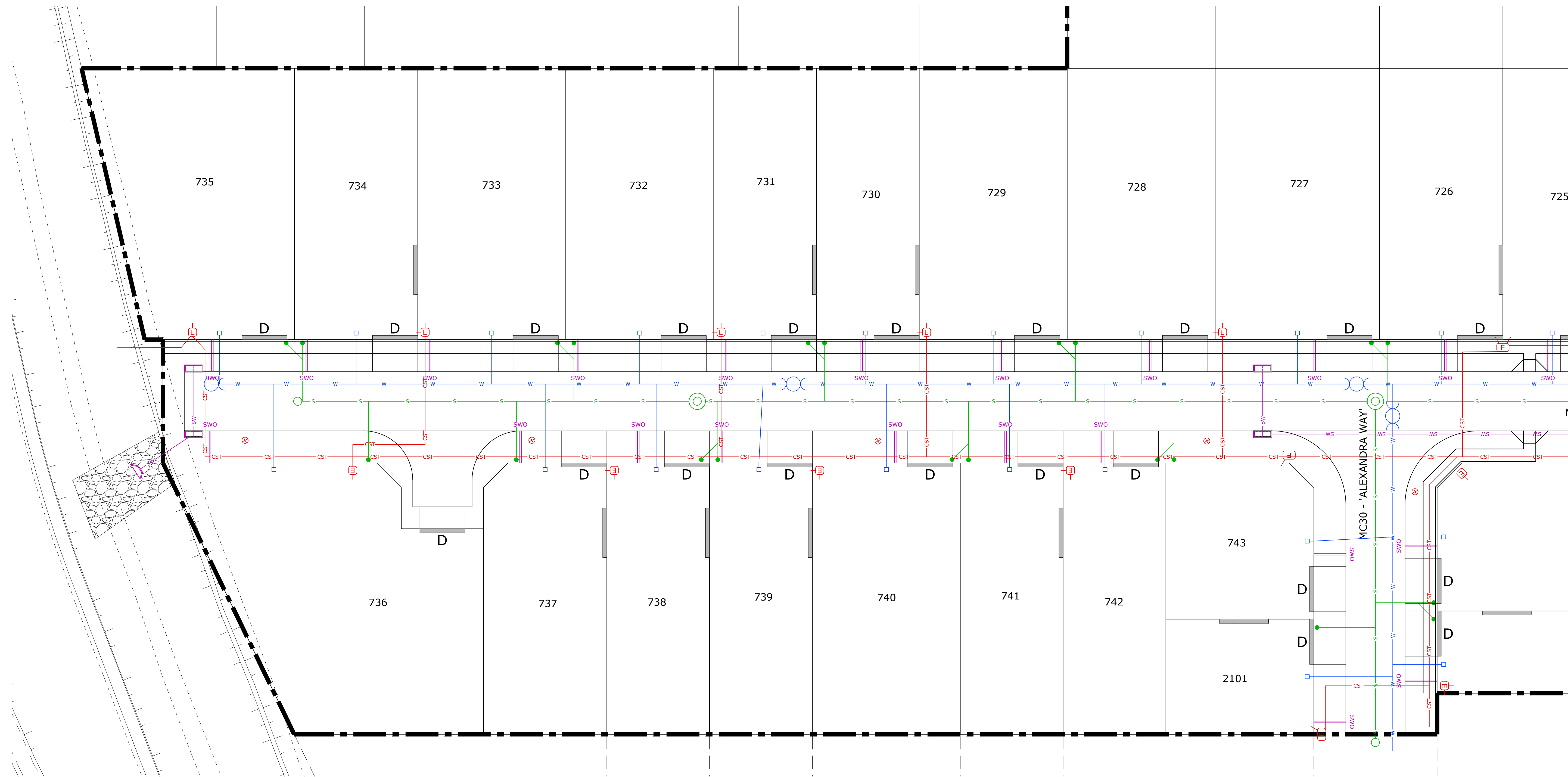
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ASTRAD PTY LTD  
VIRGINIA GROVE - STAGE 13  
D/N: 292/D003/20 - SHEEDY ROAD VIRGINIA  
MASTER SERVICES PLAN - SHEET 2

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
211189_03_SERVICES.DWG	211189	011	0





LEGEND:

- PROPOSED STAGE BOUNDARY
- PROPOSED WATER MAIN (REFER SA WATER DRAWINGS)
- PROPOSED CST (REFER SAPN DRAWINGS)
- PROPOSED SEWER MAIN (REFER SA WATER DRAWINGS)
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- PROPOSED Ø100mm IRRIGATION CONDUIT. REFER GENERAL CONSTRUCTION DRAWINGS FOR IRRIGATION NOTES
- EXISTING WATER MAIN
- EXISTING CST
- EXISTING SEWER MAIN
- EXISTING STORMWATER DRAIN

0 2.5 5 10 15  
1:250 (A1); 1:500 (A3)

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
A1

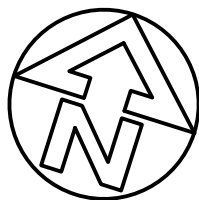
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DATUM: ALL LEVELS TO A.H.D.

SCALE:

SURVEYED: ALEXANDER SYMONDS  
SURVEY DATE: 19.10.2020

APPROVED / PROJECT LEADER

S.PAPE



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FOR CONSTRUCTION

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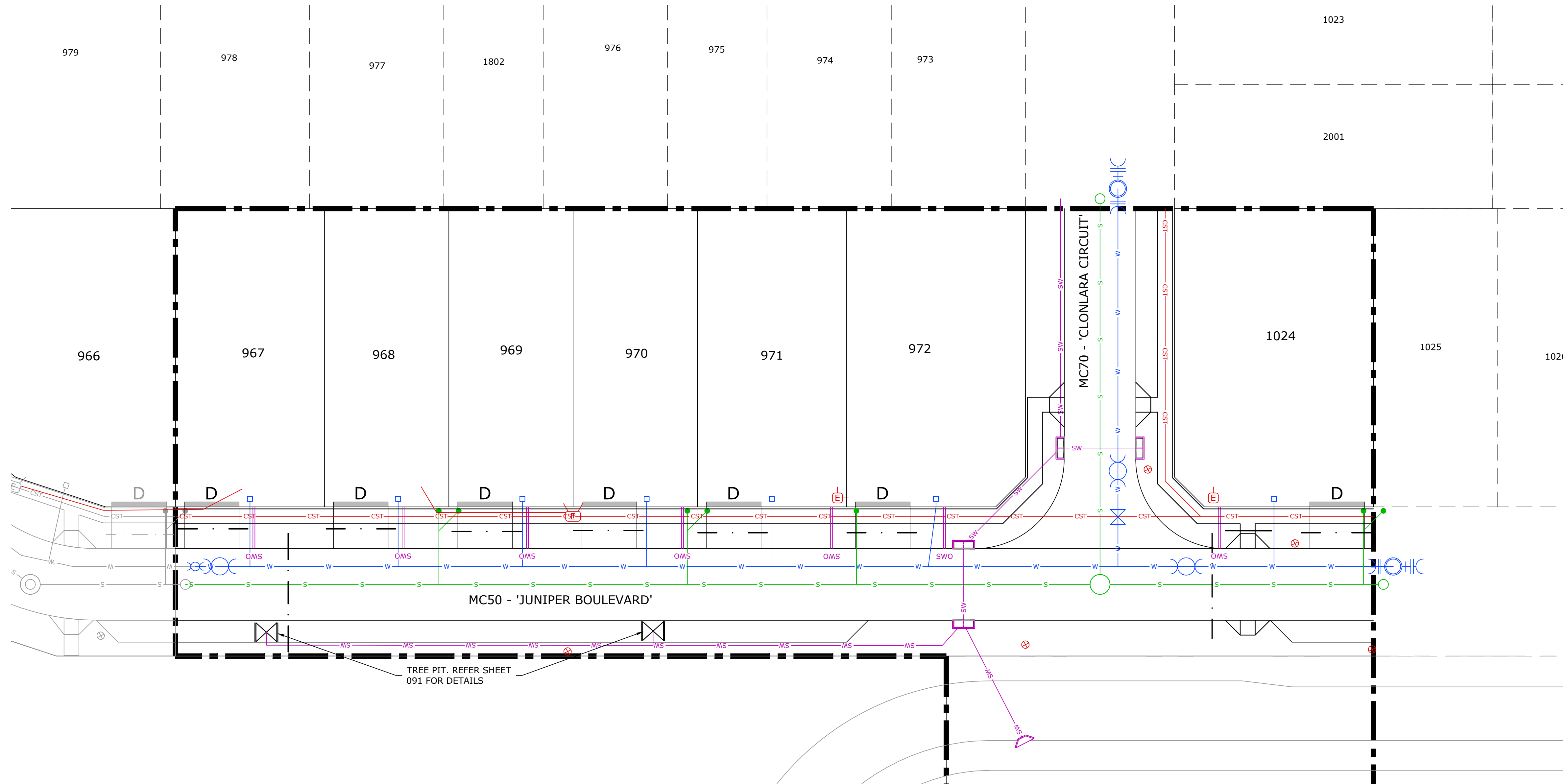
ASTRAD PTY LTD

VIRGINIA GROVE - STAGE 13  
D/N: 292/D003/20 - SHEEDY ROAD VIRGINIA  
MASTER SERVICES PLAN - SHEET 3

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
211189_03_SERVICES.DWG	211189	012	0





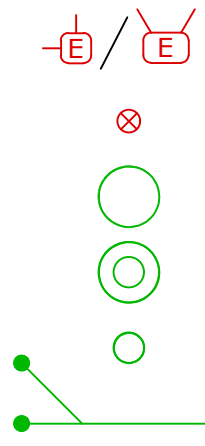


FOR CONTINUATION REFER SHEET 011

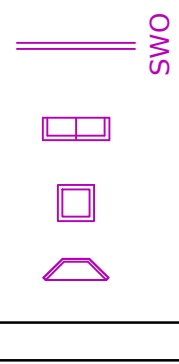
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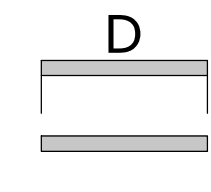
- PROPOSED STAGE BOUNDARY
- PROPOSED WATER MAIN (REFER SA WATER DRAWINGS)
- PROPOSED CST (REFER SAPN DRAWINGS)
- PROPOSED SEWER MAIN (REFER SA WATER DRAWINGS)
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- PROPOSED STORM WATER KERB OUTLET
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- DENOTES FUTURE DRIVEWAY LOCATION (BY OTHERS)
- DENOTES ALLOWABLE BOUNDARY BUILD (BY FUTURE OWNER)
- PROPOSED Ø100mm IRRIGATION CONDUIT. REFER GENERAL CONSTRUCTION DRAWINGS FOR IRRIGATION NOTES
- EXISTING WATER MAIN
- EXISTING CST
- EXISTING SEWER MAIN
- EXISTING STORMWATER DRAIN

0 2.5 5 10 15  
1:250 (A1); 1:500 (A3)

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
A1

COORDS: MGA94 ZONE 54  
DATUM: ALL LEVELS TO A.H.D.

SCALE:

SURVEYED: ALEXANDER SYMONDS  
SURVEY DATE: 19.10.2020  
APPROVED / PROJECT LEADER

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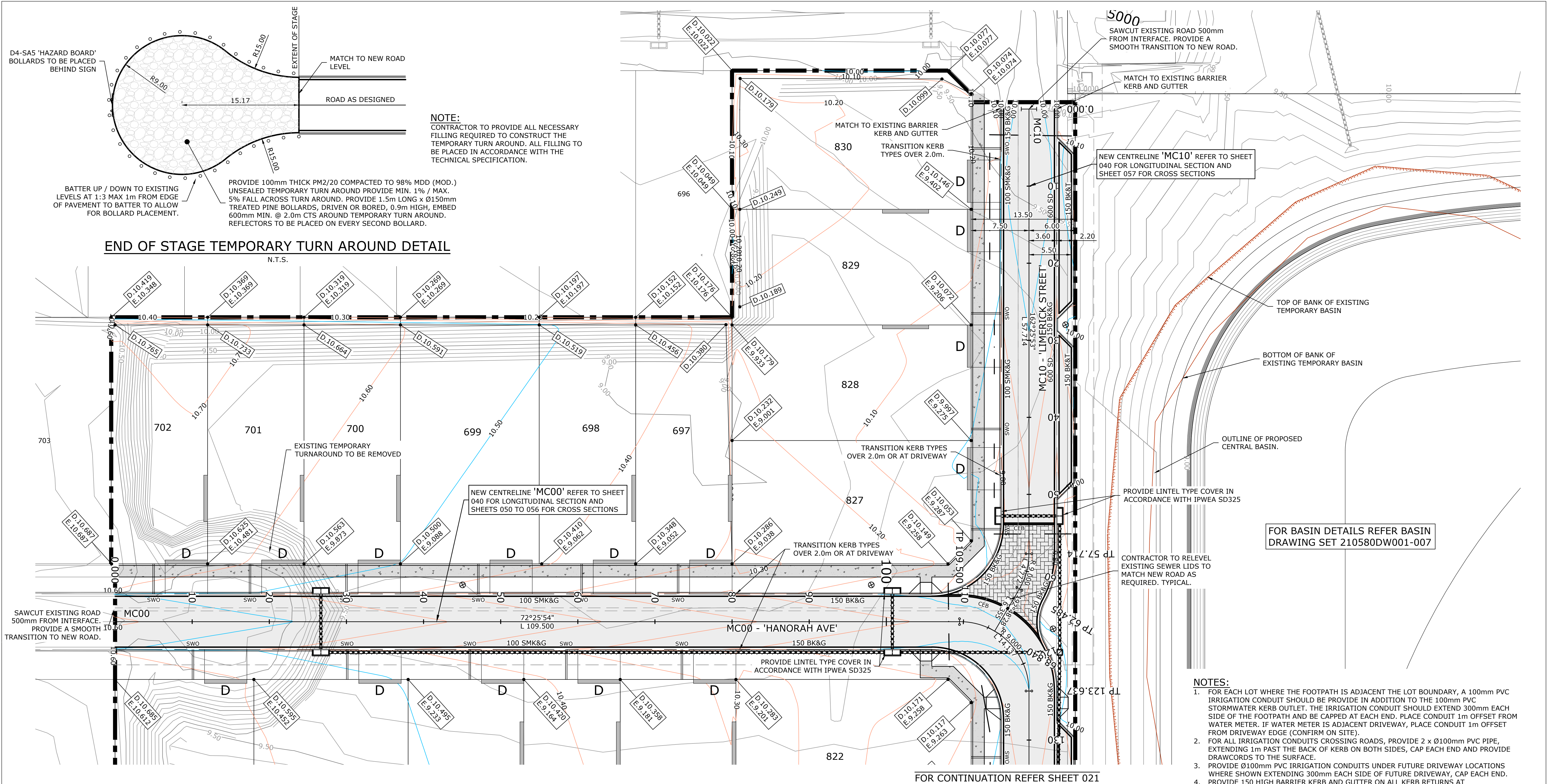
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FOR CONSTRUCTION

ASTRAD PTY LTD  
VIRGINIA GROVE - STAGE 13  
D/N: 292/D003/20 - SHEEDY ROAD VIRGINIA  
MASTER SERVICES PLAN - SHEET 5

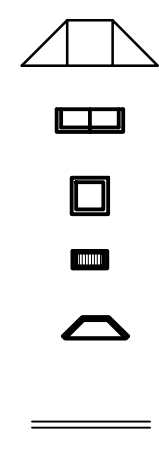
FILENAME: 211189\_03\_SERVICES.DWG PROJECT NUMBER 211189 DRAWING NUMBER 014 REVISION 0



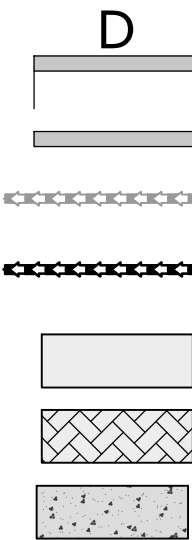


#### LEGEND:

150 BK&G	150 HIGH BARRIER KERB & GUTTER (REFER SHEET 091 FOR DETAILS)
150 BK&T	150 BARRIER KERB & TRAY (REFER SHEET 091 FOR DETAILS)
100 SMK&G	100 HIGH SEMI-MOUNTABLE KERB & GUTTER (REFER SHEET 091 FOR DETAILS)
600 SD	600 WIDE SPOON DRAIN (REFER SHEET 091 FOR DETAILS)
CEB	190 WIDE CONCEALED EDGE BEAM (REFER SHEET 091 FOR DETAILS)
D.XX.XX	DESIGN SURFACE LEVEL
E.XX.XX	EXISTING SURFACE LEVEL

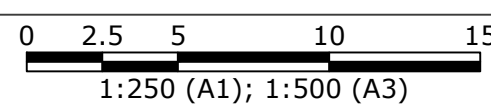


CONCRETE KERB RAMP (REFER IPWEA DETAIL SD125 & SD130)
PROPOSED SIDE ENTRY PIT (SEP) (REFER SHEETS 070 TO 079)
PROPOSED JUNCTION BOX (JB) (REFER SHEETS 070 TO 079)
PROPOSED GRATED INLET PIT (GIP) (REFER SHEETS 070 TO 079)
PROPOSED HEADWALL (HW) (REFER SHEETS 070 TO 079)
PROPOSED STORM WATER KERB OUTLET (REFER SHEET 091 FOR DETAILS)
PROPOSED LIGHT POLE (REFER SAPN DRAWINGS)



D	DENOTES FUTURE DRIVEWAY LOCATION (BY OTHERS)
	DENOTES ALLOWABLE BOUNDARY BUILD (BY FUTURE OWNER)
	EXISTING STORMWATER DRAIN
	PROPOSED STORMWATER DRAIN (REFER SHEETS 070 TO 079)
	NEW ROAD PAVEMENT (REFER SHEET 085 FOR DETAILS)
	BLOCK PAVED THRESHOLD (REFER SHEET 085 FOR DETAILS)
	NEW 1.5m WIDE FOOTPATH (REFER SHEET 085 FOR DETAILS)

9.90	FINISHED SURFACE MINOR CONTOURS (0.1m INTERVAL)
10.00	FINISHED SURFACE MAJOR CONTOURS (0.5m INTERVAL)
9.90	EXISTING SURFACE MINOR CONTOURS (0.1m INTERVAL)
10.00	EXISTING SURFACE MAJOR CONTOURS (0.5m INTERVAL)
	PROPOSED STAGE BOUNDARY
	PROPOSED Ø100mm IRRIGATION CONDUIT. REFER TO NOTES



100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
**A1**

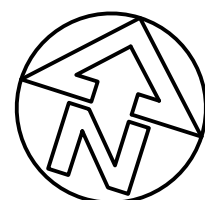
COORDS: MGA94 ZONE 54  
DATUM: ALL LEVELS TO A.H.D.

SCALE:

SURVEYED: ALEXANDER SYMONDS  
SURVEY DATE: 19.10.2020

APPROVED / PROJECT LEADER

S.PAPE



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ASTRAD PTY LTD

VIRGINIA GROVE - STAGE 13

D/N: 292/D003/20 - SHEEDY ROAD VIRGINIA  
GENERAL CONSTRUCTION PLAN - SHEET 1

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
211189_04_GENERAL_CONSTRUCTION.DWG	211189	020	0





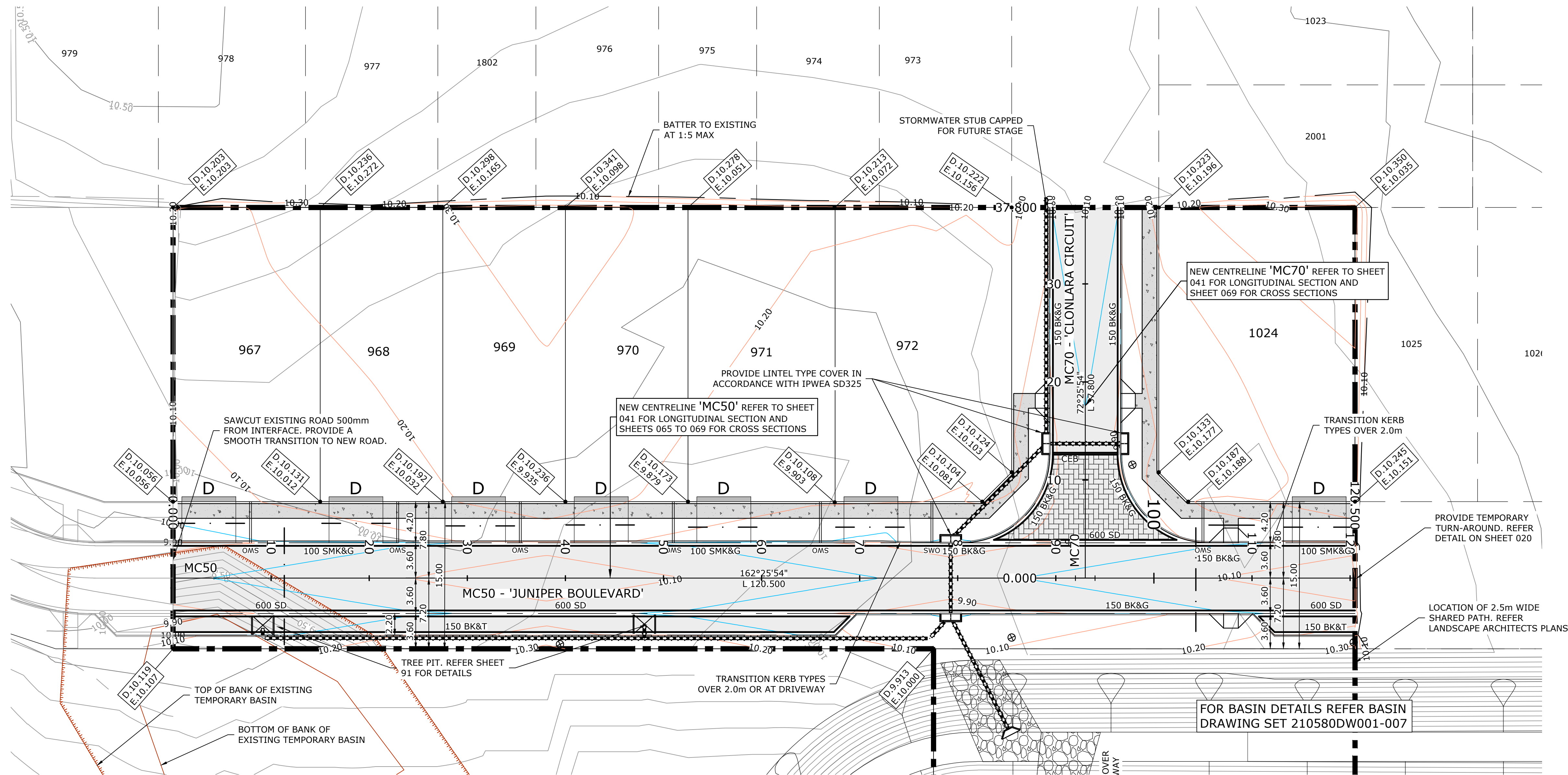












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150 BK&G	150 HIGH BARRIER KERB & GUTTER (REFER SHEET 091 FOR DETAILS)
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CEB	190 WIDE CONCEALED EDGE BEAM (REFER SHEET 091 FOR DETAILS)
D.XX.XX	DESIGN SURFACE LEVEL
E.XX.XX	EXISTING SURFACE LEVEL

	CONCRETE KERB RAMP (REFER IPWEA DETAIL SD125 & SD130)
	PROPOSED SIDE ENTRY PIT (SEP) (REFER SHEETS 070 TO 079)
	PROPOSED JUNCTION BOX (JB) (REFER SHEETS 070 TO 079)
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	PROPOSED HEADWALL (HW) (REFER SHEETS 070 TO 079)
	PROPOSED STORM WATER KERB OUTLET (REFER SHEET 091 FOR DETAILS)
	PROPOSED LIGHT POLE (REFER SAPN DRAWINGS)

	DENOTES FUTURE DRIVEWAY LOCATION (BY OTHERS)
	DENOTES ALLOWABLE BOUNDARY BUILD (BY FUTURE OWNER)
	EXISTING STORMWATER DRAIN
	PROPOSED STORMWATER DRAIN (REFER SHEETS 070 TO 079)
	NEW ROAD PAVEMENT (REFER SHEET 085 FOR DETAILS)
	BLOCK PAVED THRESHOLD (REFER SHEET 085 FOR DETAILS)
	NEW 1.5m WIDE FOOTPATH (REFER SHEET 085 FOR DETAILS)

	9.90	FINISHED SURFACE MINOR CONTOURS (0.1m INTERVAL)
	10.00	FINISHED SURFACE MAJOR CONTOURS (0.5m INTERVAL)
	9.90	EXISTING SURFACE MINOR CONTOURS (0.1m INTERVAL)
	10.00	EXISTING SURFACE MAJOR CONTOURS (0.5m INTERVAL)
		PROPOSED STAGE BOUNDARY
		PROPOSED 100mm IRRIGATION CONDUIT. REFER TO NOTES

#### NOTES:

- FOR EACH LOT WHERE THE FOOTPATH IS ADJACENT THE LOT BOUNDARY, A 100mm PVC IRRIGATION CONDUIT SHOULD BE PROVIDED IN ADDITION TO THE 100mm PVC STORMWATER KERB OUTLET. THE IRRIGATION CONDUIT SHOULD EXTEND 300mm EACH SIDE OF THE FOOTPATH AND BE CAPPED AT EACH END. PLACE CONDUIT 1m OFFSET FROM WATER METER. IF WATER METER IS ADJACENT DRIVEWAY, PLACE CONDUIT 1m OFFSET FROM DRIVEWAY EDGE (CONFIRM ON SITE).
- FOR ALL IRRIGATION CONDUITS CROSSING ROADS, PROVIDE 2 x Ø100mm PVC PIPE, EXTENDING 1m PAST THE BACK OF KERB ON BOTH SIDES, CAP EACH END AND PROVIDE DRAWCORDS TO THE SURFACE.
- PROVIDE Ø100mm PVC IRRIGATION CONDUITS UNDER FUTURE DRIVEWAY LOCATIONS WHERE SHOWN EXTENDING 300mm EACH SIDE OF FUTURE DRIVEWAY, CAP EACH END.
- PROVIDE 150 HIGH BARRIER KERB AND GUTTER ON ALL KERB RETURNS AT INTERSECTIONS AND EXTEND MINIMUM 6.0m PAST TANGENT POINTS.
- TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF TRAFFIC CONTROL DEVICES' AS MODIFIED BY DIT'S CODE OF TECHNICAL REQUIREMENTS, AND THE DIT 'PAVEMENT MARKING MANUAL'.
- REFER TO SHEETS 080 TO 084 FOR STREET SIGN LOCATIONS. FOR SIGN INSTALLATION DETAILS REFER TO 'DIT MASTER SPECIFICATION, PART RD-LM-C4 SIGN INSTALLATION' & CITY OF PLAYFORD REQUIREMENTS.
- ANY BATTERS REQUIRED DURING CONSTRUCTION TO BE GRADED BACK TO EXISTING AT 1 IN 5 MAXIMUM.

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0 2.5 5 10 15  
1:250 (A1); 1:500 (A3)

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
A1

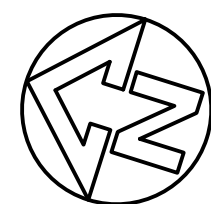
COORDS: MGA94 ZONE 54  
DATUM: ALL LEVELS TO A.H.D.

SCALE:

SURVEYED: ALEXANDER SYMONDS  
SURVEY DATE: 19.10.2020

APPROVED / PROJECT LEADER

S.PAPE



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ASTRAD PTY LTD  
VIRGINIA GROVE - STAGE 13  
D/N: 292/D003/20 - SHEEDY ROAD VIRGINIA  
GENERAL CONSTRUCTION PLAN - SHEET 5

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
211189_04_GENERAL_CONSTRUCTION.DWG	211189	024	0