LANEWAY RECONSTRUCTION WORKS

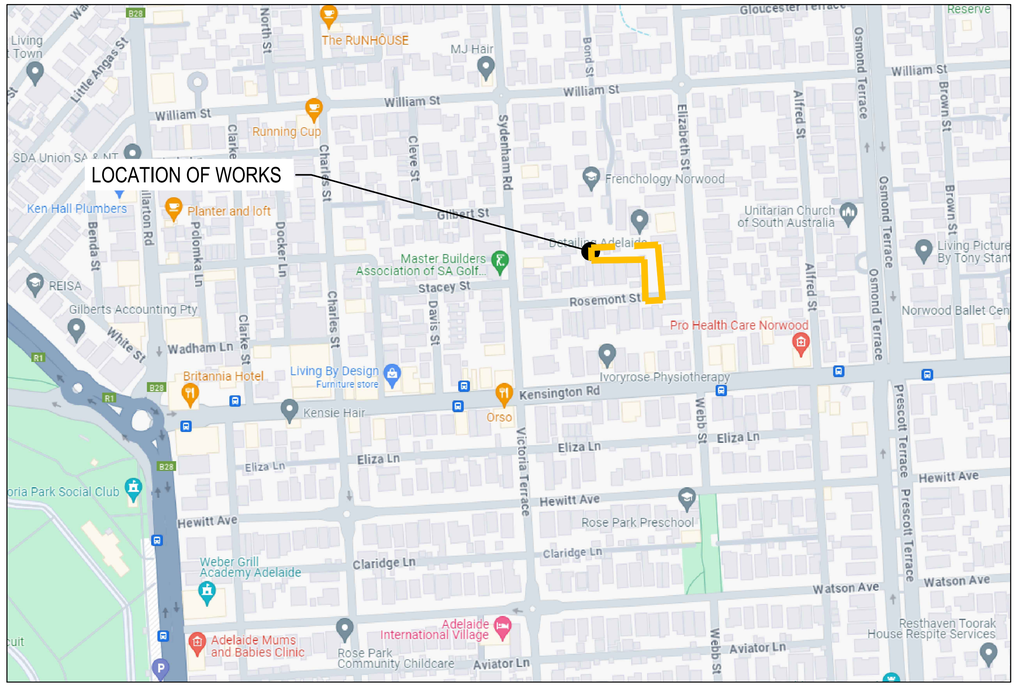
ROSEMONT LANE

NORWOOD, SA 5067

FOR

CITY OF NORWOOD, PAYNEHAM AND ST PETERS

DRAWING REGISTER	
SHEET NUMBER	SHEET TITLE
0001	FACESHEET, LOCALITY PLAN AND DRAWING REGISTER
1000	LAYOUT PLAN
1010	TREE ROOT LAYOUT PLAN
1100	LANEWAY LONGITUDINAL SECTION
1200	LANEWAY CROSS SECTIONS - SHEET 1 OF 2
1201	LANEWAY CROSS SECTIONS - SHEET 2 OF 2
1300	DRAINAGE LONGITUDINAL SECTION
1301	DRAINAGE DETAILS AND PIT SCHEDULE
1400	TYPICAL DETAILS



LOCALITY PLAN
NTS
GOOGLE MAPS IMAGE (ACCESSED 15/05/2021)

NORTH

DRYSIDE ENGINEERING

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	-	NOT ISSUED AS PART OF DRAWING SET	-	-	-

City of Norwood Payneham & St Peters

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP

LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067

CIVIL SITEWORKS
FACESHEET, LOCALITY PLAN
AND DRAWING REGISTER

DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-0001 A

PUMP STATION AND STORAGE TANK
- 1800x900 PUMP CHAMBER,
- 13500 x 6m STORAGE PIPE WITH 1800x900 PIT HAUNCHED TO 600x600 OPENIING
- 12.8KL TOTAL STORAGE VOLUME
- DUAL 10L/S PUMPS, 2.2kW THREE PHASE
- FLOAT CONTROLLED WITH EMERGENCY ALARM

HIGH FLOW OUTLET
- NPSP TO INVESTIGATE HIGH FLOW DISCHARGE OPENING IN FENCE WITH PROPERTY OWNER

CONSTRUCT DOUBLE GRATED ENTRY PIT AS PER PIT DETAILS

CONSTRUCT 600x600 GRATED PIT. INSTALL BOLT DOWN GRATE AND FRAME

EXISTING BUILDING
- NEIGHBOURING DWELLING BUILT CLOSE TO THE EXISTING FENCE LINE
- ROOF LINE OFFSET 300mm FROM EXISTING FENCE

REFER INSET A

EXISTING PAVING
- REMOVE AND STOCKPILE PAVERS OUTSIDE WORK ZONE. CONTRACTOR TO COORDINATE WITH OWNER

DRIVEWAYS
- NEATLY SAWCUT EXISTING DRIVEWAY APRONS AND MATCH LEVELS, CONSTRUCT ISOLATION JOINT AT INTERFACE AND MAKE GOOD (TYPICAL)

AIRCON UNIT TO BE RELOCATED CLEAR OF WORKS ZONE. COUNCIL TO LIAISE WITH OWNER

LANE LONGITUDINAL GRADE
- ENTIRE REAR PORTION OF LANE GRADES WEST

REMOVE AND STOCKPILE BRICKS

AG DRAIN TO BE INSTALLED AS PER TYPICAL DETAIL

LANEWAY DESIGN ALIGNMENT - WATER TABLE

CARE TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SEWER MANHOLE

ES1 ON TOP OF 150mm COMPACTED SUBBASE. REFER TYPICAL DETAIL

125mm PE100 PN10 RISING MAIN TO ROSEMONT STREET

DEMOLISH AND REMOVE EXISTING CONCRETE

CONSTRUCT GRATED ENTRY PITS IN FRONT OF GARAGES THAT HAVE MINIMAL CROSSFALL TO PREVENT ANY OVERLAND FLOWS OUTFLANKING SPOON DRAIN AND FLOODING GARAGES

INSTALL SEWER GRADE PVC FLUSHOUT RISER. GATIC (GM300FP1) COVER TO HAVE CONCRETE COLLAR AND INTERFACE NEATLY WITH NEW PAVING. (TYP.)

INSTALL CONVEX MIRROR IN ACCORDANCE WITH DIT OPERATION INSTRUCTION - CONCEALED DRIVEWAYS AND INTERSECTIONS. LOCATION TO BE DETERMINED BY PRINCIPAL ONSITE

TRANSITION FROM WIDE SPOON DRAIN INTO VEHICLE LAYBACK AND CHANNEL

INSTALL THRUST BLOCK FOR HORIZONTAL THRUST ON 90DEGREE BEND. THRUST BLOCK TO BE CONSTRUCTED IN ACCORDANCE WITH SA WATER STANDARD DRAWING 4005-30003-06

LANE LONGITUDINAL GRADE
- PORTION OF LANE TO GRADE NORTH

MATCH TO EXISTING DRIVEWAY LEVEL

SEWER INSPECTION OPENING
- DBYD PLANS SHOW INSPECTION OPENING IN LANEWAY AT REAR OF No.55 ELIZABETH STREET.
- LOCATION AND COVER LEVEL TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION

LANE LONGITUDINAL GRADE
- PORTION OF LANE TO GRADE TOWARDS ROSEMONT STREET

LAY NEW 80mm TRAFFICABLE PAVERS IN LANEWAY. TERMINATE NEW PAVING AT END OF BRICK WALL (GARAGE) WITH NEW EDGESTRIP. PAVER PATTERN TO MATCH DRIVEWAY CROSSING

INDICATIVE INFILTRATION PAD AS PER CITY OF UNLEY SPECIFICATION. NPSP TO OBTAIN DESIGN INFORMATION FROM CoU. RECONSTRUCT EXISTING KERB AND CHANNEL AS REQUIRED (TYP.)

CONSTRUCT 'Y' BRANCH TO DIVIDE THE PUMPED FLOWS TO EITHER SIDE OF ROSEMONT STREET

VEHICLE CROSSING
- LIFT AND RESET EXISTING VEHICLE CROSSING PAVERS

RECONSTRUCT EXISTING DRIVEWAY. LIFT AND RESET EXISTING PAVERS. REFER TO SD 235

INDICATIVE INFILTRATION PAD (TYP.)

ELECTRICAL CONNECTION FROM STOBIE POLE TO PROPOSED PUMP STATION AND CONTROL CABINET. ELECTRICAL SIZE AND FINAL CONFIGURATION SUBJECT TO ELECTRICAL ENGINEERS AND WILL BE INCLUDED IN CONSTRUCTION ISSUE.

WHERE BLUESTONE KERBING IS REMOVED, REINSTATE AS PER NPSP SD03

PROPOSED RISING MAINS TO PASS UNDERNEATH EXISTING GAS AND WATER ASSETS AND THEN RAISED TO ENTER NEW SURCHARGE PITS AS PER TYPICAL DETAIL. MINIMUM VERTICAL CLEARANCE: GAS 300mm, WATER 300mm

CONSTRUCT GRATED SIDE ENTRY PIT FOR RISING MAIN DISCHARGE. FLOWS TO SURCHARGE OUT WHEN PUMP IS IN OPERATION. PIT LOCATION CLASHES WITH GAS AND WATER HOUSE CONNECTIONS. HOUSE CONNECTIONS TO BE RELOCATED WITH TO REQUIRED MINIMUM HORIZONTAL CLEARANCES FROM PIT

CONSTRUCT GRATED SIDE ENTRY PITS FOR RISING MAIN DISCHARGE. FLOWS TO SURCHARGE OUT WHEN PUMP IS IN OPERATION. PIT TO BE CONSTRUCTED AT MINIMUM 600mm O/S TO EXISTING GAS HOUSE CONNECTION. REFER TO PIT TYPICAL DETAILS. (TYP.)

INDICATIVE INFILTRATION PAD (TYP.)

EXISTING PROPERTY TO BE RETAINED

ROSEMONT STREET

EXISTING GARAGE/DRIVEWAY APRONS
COUNCIL TO LIAISE WITH PROPERTY OWNERS FOR THE DEMOLITION AND REMOVAL OF EXISTING GARAGE APRONS. PROPOSED LEVELS TO MATCH TO EXISTING GARAGE FINISHED FLOOR LEVELS

PROPOSED/EXISTING INTERFACE
INFILL BEHIND EDGE STRIP TO MATCH EXISTING MATERIAL. COUNCIL TO LIAISE WITH PROPERTY OWNERS

EXISTING DOWNPIPES
DOWNPIPE HEIGHTS TO BE RAISED WHERE REQUIRED TO SUIT DESIGN LEVELS, COORDINATE WITH PROPERTY OWNERS

LEGEND
- FEATURE SURVEY
- EXISTING CONTOURS MAJOR & LABEL / MINOR & LABEL
- PROPOSED CONTOURS MAJOR & LABEL / MINOR
- EXISTING FENCELINE
- PROPOSED REMOVABLE /LOCKABLE BOLLARDS
- PROPOSED DRAINAGE PIPE & PIT
- PIT NUMBER
- PROPOSED EDGE STRIP
- PROPOSED WIDE SPOON DRAIN
- EXCAVATION SHORING REQUIRED
- PROPOSED AG DRAIN
- PROPOSED 125mm PN10 PE100 RISING MAIN
- PROPOSED ELECTRICAL CONDUIT
- OVERLAND FLOW DIRECTION
- EXISTING SEWER
- EXISTING POTABLE WATER
- EXISTING GAS
- EXISTING TELECOMMUNICATIONS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED LANEWAY PERMEABLE/POROUS PAVING
- LIFT AND RESET EXISTING PAVERS IN DRIVEWAY AND LAY NEW PAVERS IN LANEWAY
- TOP DRESS WITH MULCH
- SIGNIFICANT / REGULATED STRUCTURAL ROOT ZONE

WARNING
BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

WARNING
HIGH PRESSURE GAS MAINS IN CLOSE PROXIMITY

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

INSET A
SCALE 1:50

TRANSITION B1 KERB TO EDGE STRIP (ES1) OVER 300mm

TOP OF EDGE STRIP TO BE SET AT 57.448mAHD. CONTRACTOR TO ENSURE FREE DRAINING OF SURCHARGE FLOWS FROM PIT 6

LOCKABLE PUMP CABINET BOX TO BE INSTALLED ON POST AND BE FITTED WITH TELEMETRY. CABINET TO HAVE SUFFICENT SPACE FOR ELECTRICAL SWITCHBOARD. REFER TO ELECTRICAL PLANS FOR INFORMATION

INSTALL 4No. SENTRY PADLOCK REMOVABLE BOLLARDS BY MSA. COUNCIL TO PROVIDE KEYED ALIKE PADLOCKS TO CONTRACTOR

CONSTRUCT 600x600 GRATED PIT. INSTALL BOLT DOWN GRATE AND FRAME

CONSTRUCT DOUBLE GRATED ENTRY PIT AS PER PIT DETAILS

CONSTRUCT B1 KERB AT END OF LANEWAY

INSTALL THRUST BLOCK FOR HORIZONTAL THRUST ON 90DEGREE BEND. THRUST BLOCK TO BE CONSTRUCTED IN ACCORDANCE WITH SA WATER STANDARD DRAWING 4005-30003-06

DOWNPIPE TO TERMINATE ABOVE GROUND

CONTRACTOR TO ENSURE THE OVERFLOW FROM PIT 2 IS DIRECTED TOWARDS PIT 6 AND THE EXISTING NATURAL DEPRESSION

EXCAVATION SHORING REQUIRED WHERE 1 IN 1 CUT BATTER CANNOT BE ACHIEVED DUE TO LANEWAY BOUNDARIES

REV	DATE	DESCRIPTION	DES	VER	APP
B	5/12/2024	ROSEMONT ST SERVICES ADDED	JMN	JMN	EH
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	10/03/2023	PRELIMINARY ISSUE	AW	JMN	-

City of Norwood Payneham & St Peters

SCALE 1:50 @A1 — SCALE 1:200 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 4/12/2024
APPROVED
ED HENTY 5/12/2024

FOR CONSTRUCTION

CITY OF NPSP

LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067
CIVIL SITEWORKS
LAYOUT PLAN
-

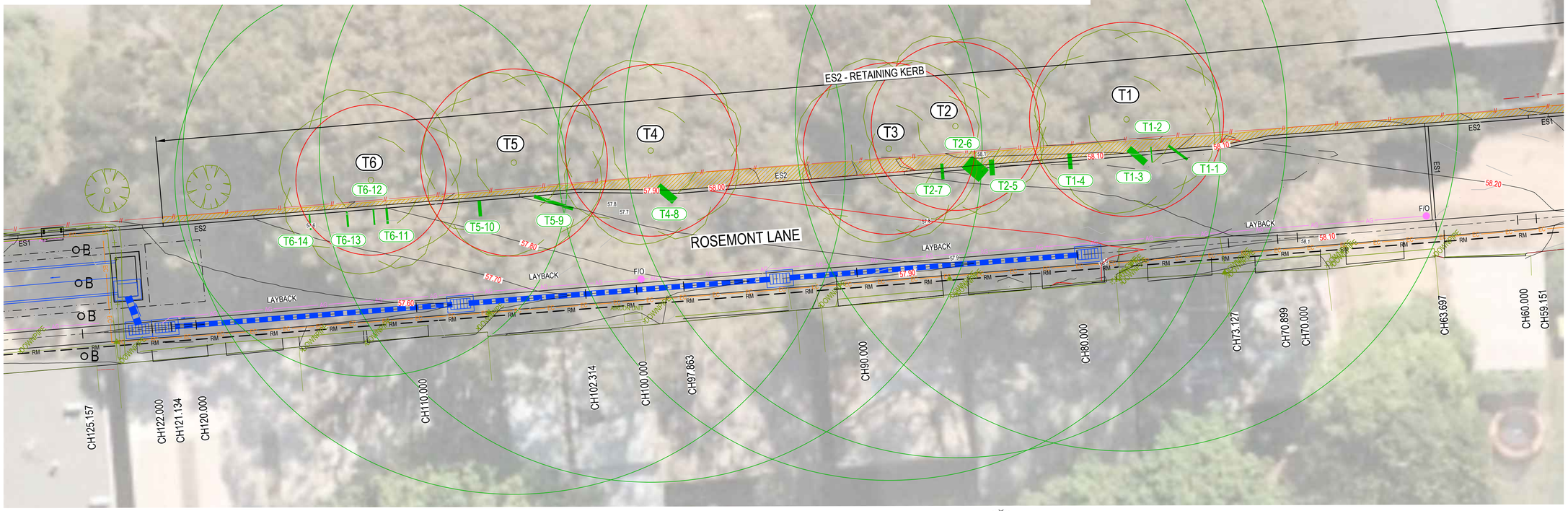
DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	1:200	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1000 B

DATE PLOTTED: 20 August 2024 2:21 PM BY: - JOE MILLER-NORMAN

EXISTING TREE ROOT SCHEDULE

TREE NUMBER	ROOT NUMBER	DISTANCE FROM TRUNK CENTRE (mm)	DIRECTION FROM TRUNK CENTRE	DEPTH BELOW NATURAL SURFACE (mm)	ROOT DIAMETER (mm)	CONSTRUCTION PROCESS ADVICE	SRZ OFFSET FROM TRUNK CENTRE (mm)
T1	1	1800-2600	EAST	450	100	DO NOT CUT ROOT, STANDARD KERB OVER	4370
T1	2	1000	EAST	440	40	CAN CUT ROOT, STANDARD KERB OVER	
T1	3	0-700	EAST	370	300	DO NOT CUT ROOT, STANDARD KERB OVER	
T1	4	2700	WEST	400	180	DO NOT CUT ROOT, STANDARD KERB OVER	
T2	5	1500	EAST	350	220	DO NOT CUT ROOT, STANDARD KERB OVER	3800
T2	6	400-1100	EAST	200	700	DO NOT CUT ROOT, BRIDGE KERB OVER	
T2	7	750	WEST	400	130	DO NOT CUT ROOT, STANDARD KERB OVER	
T3	-	-	-	-	-	-	3900
T4	8	200-700	EAST	250	360	DO NOT CUT ROOT, BRIDGE KERB OVER	3900
T5	9	800-1700	EAST	200	150	DO NOT CUT ROOT, BRIDGE KERB OVER	4200
T5	10	700	WEST	450	140	DO NOT CUT ROOT, STANDARD KERB OVER	
T6	11	600	EAST	200	90	DO NOT CUT ROOT, BRIDGE KERB OVER	
T6	12	0	CENTRE	400	60	DO NOT CUT ROOT, STANDARD KERB OVER	3400
T6	13	1200	WEST	250	80	DO NOT CUT ROOT, BRIDGE KERB OVER	
T6	14	2900	WEST	150	50	CAN CUT ROOT, STANDARD KERB OVER	



LEGEND

	FEATURE SURVEY
235.0	EXISTING CONTOURS MAJOR & LABEL / MINOR & LABEL
235.0	PROPOSED CONTOURS MAJOR & LABEL / MINOR
//	EXISTING FENCELINE
B	PROPOSED REMOVABLE /LOCKABLE BOLLARDS
	PROPOSED DRAINAGE PIPE & PIT
T1	TREE IDENTIFICATION No.
T1-3	ROOT IDENTIFICATION No.
	TREE PROTECTION ZONE (TPZ)
	STRUCTURAL ROOT ZONE (SRZ)
ES	PROPOSED EDGE STRIP
WSD	PROPOSED WIDE SPOON DRAIN
AG	PROPOSED AG DRAIN
RM	PROPOSED 125mm PN10 PE100 RISING MAIN
EC	PROPOSED ELECTRICAL CONDUIT
S	EXISTING SEWER
W	EXISTING POTABLE WATER
G	EXISTING GAS
T	EXISTING TELECOMMUNICATIONS
	TOP DRESS WITH MULCH

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

WARNING

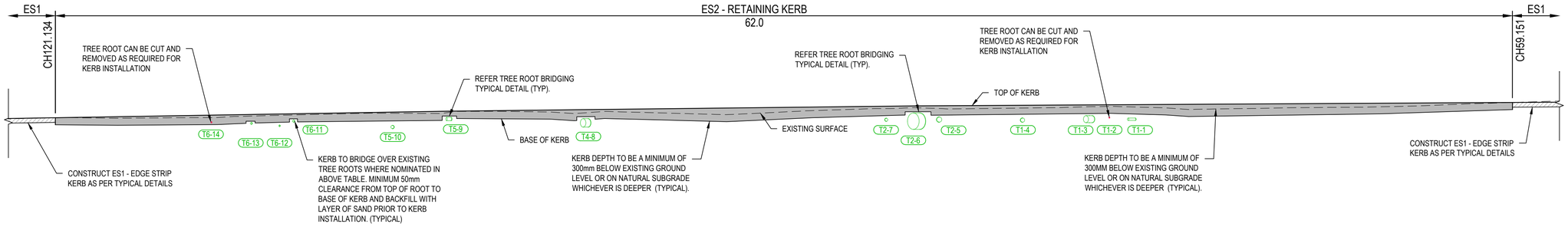
HIGH PRESSURE GAS MAINS IN CLOSE PROXIMITY

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

TREE ROOT LAYOUT PLAN

SCALE 1:100

NORTH



TREE ROOT KERB LONGITUDINAL SECTION

SCALE H 1:100 V 1:100

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	-	NOT ISSUED AS PART OF DRAWING SET	-	-	-

City of Norwood Payneham & St Peters

0 1 2 4m
SCALE 1:100 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

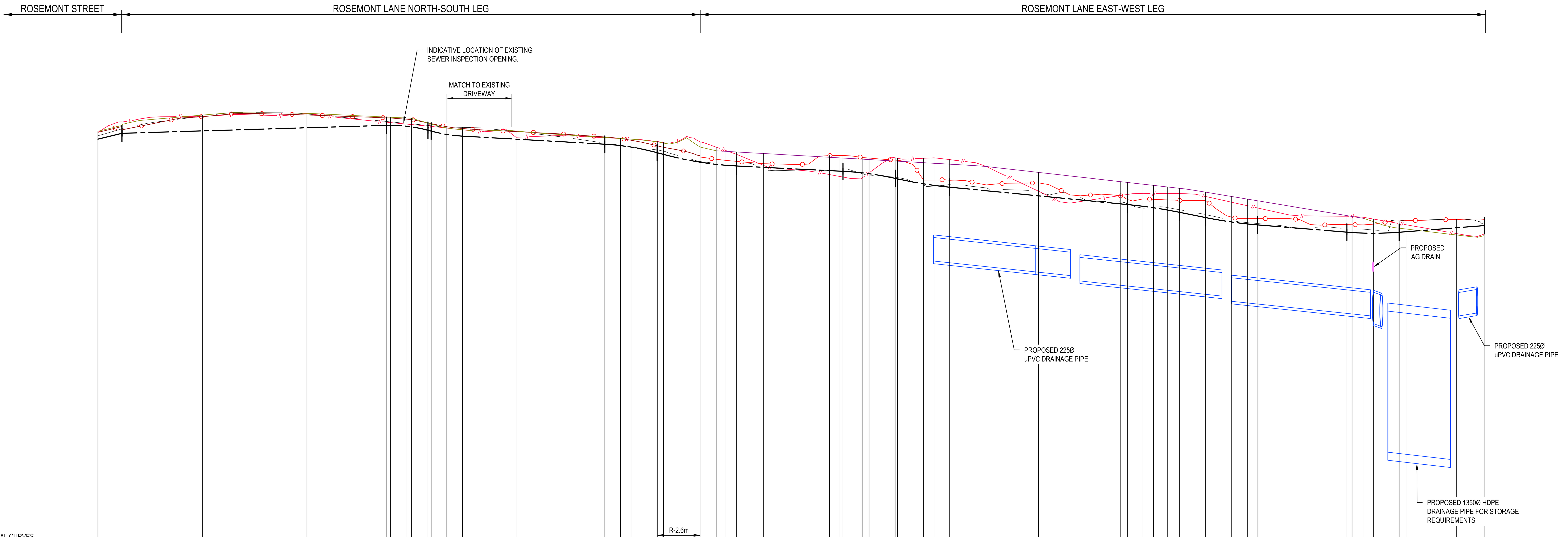
CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP
LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067
CIVIL SITEWORKS
TREE ROOT LAYOUT PLAN
-

DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1010 A

XREF's: X:DSE20058-SURV; X:DSE20058-CONT-E; X:DSE20058-BASE; X:DSE20058-CONT-D; X:DSE20058-CONT-D-50
CAD File: C:\Users\joel\Dryside Engineering Dropbox\Dryside\1. Jobs\DSE20058_Rosemont_Ln_NPSP\4.ENGINEERING\2.Drawings\DSE20058-1000.dwg



HORIZONTAL CURVES: R-2.6m L4.05m

VERTICAL CURVES: 4m VC, 3m VC, 5m VC, 7m VC, 5m VC, 5m VC, 5m VC, 5m VC, 5m VC

DESIGN GRADING OF CONTROL STRING: 2.43%, 0.3%, -2.63%, -0.57%, -2.67%, -0.5%, -2.21%, -0.98%, -2.01%, -0.81%, 0.78%

DATUM RL 54.00

CHAINAGE	DESIGN KERB WATER TABLE	DESIGN RIGHT ES1 KERB TOP	DESIGN LEFT ES1 KERB TOP	DESIGN RIGHT ES2 KERB TOP	DESIGN LEFT BUILDING LINE	DESIGN RIGHT BUILDING LINE	EXISTING SURFACE PROFILE AT CENTRELINE
0.000	58.390	58.465	58.455		58.455	58.455	
2.300	58.446	58.531	58.479		58.479	58.555	58.49
10.000	58.469	58.620	58.605		58.605	58.609	58.61
20.000	58.499	58.638	58.621		58.621	58.635	58.63
27.583	58.522	58.602	58.594		58.594	58.552	58.56
27.992	58.522	58.600	58.592		58.592	58.549	58.56
29.583	58.513	58.592	58.581		58.581	58.534	58.54
30.000	58.508	58.590	58.578		58.578	58.530	58.54
31.583	58.475	58.544	58.545		58.545	58.515	58.52
31.885	58.467	58.536	58.539		58.539	58.512	58.52
33.385	58.435	58.497	58.509		58.509	58.496	58.51
34.885	58.419	58.480	58.492		58.492	58.479	58.50
40.000	58.390	58.468	58.462		58.462	58.408	58.46
48.500	58.342	58.406	58.411		58.411	58.404	58.35
50.000	58.328	58.396	58.397		58.397	58.396	58.33
51.000	58.314	58.390	58.380		58.380	58.391	58.32
53.500	58.261	58.365	58.327		58.327	58.368	58.29
53.560	58.259	58.364	58.325		58.325	58.367	58.29
54.113	58.244	58.353	58.313		58.313	58.357	58.28
57.613	58.170	58.315	58.232		58.232	58.365	58.18
59.151	58.149			58.279	58.198	58.314	58.16
60.000	58.141			58.274	58.187	58.284	58.16
61.113	58.133			58.267	58.177	58.244	58.16
63.697	58.120			58.253	58.155	58.139	58.11
70.000	58.089			58.217	58.232	58.051	58.09
70.899	58.084			58.211	58.233	58.035	58.10
71.285	58.083			58.209	58.234	58.027	58.10
73.127	58.068			58.199	58.215	58.019	58.06
73.785	58.059			58.195	58.209	58.068	58.05
76.285	58.015			58.181	58.189	58.211	58.03
76.500	58.010			58.179	58.188	58.207	58.02
79.000	57.963			58.165	57.998	58.207	57.95
80.000	57.948			58.159	57.999	58.212	57.94
81.500	57.931			58.151	57.997	58.194	57.96
90.000	57.848			58.072	57.971	57.892	57.88
97.863	57.771			57.983	57.847	57.851	57.79
98.500	57.764			57.976	57.813	57.861	57.77
100.000	57.747			57.959	57.818	57.871	57.73
101.000	57.734			57.948	57.814	57.870	57.74
102.314	57.712			57.933	57.809	57.870	57.74
103.500	57.690			57.920	57.804	57.869	57.71
105.979	57.640			57.883	57.804	57.842	57.67
108.479	57.597			57.842	57.644	57.786	57.61
110.000	57.579			57.816	57.630	57.753	57.59
110.979	57.570			57.800	57.630	57.731	57.58
119.500	57.500			57.659	57.573	57.652	57.53
120.000	57.497			57.650	57.572	57.652	57.53
121.134	57.491	57.631			57.570	57.641	57.53
122.000	57.490	57.602			57.576	57.626	57.52
122.000	57.490	57.602			57.576	57.626	57.52
122.055	57.490	57.601			57.577	57.625	57.52
124.500	57.499	57.538			57.608	57.583	57.61
125.157	57.505	57.530			57.610	57.571	57.61
130.000	57.542	57.473			57.622	57.486	57.63
132.631	57.563						57.59

LANEWAY LONGITUDINAL SECTION

SCALE H 1:200m V 1:20m

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	10/03/2023	PRELIMINARY ISSUE	AW	JMN	-

City of Norwood Payneham & St Peters

0 5 8m SCALE 1:200 @A1

0 0.5 0.8m SCALE 1:20 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP
LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067
CIVIL SITEWORKS
LANEWAY LONGITUDINAL SECTION
-

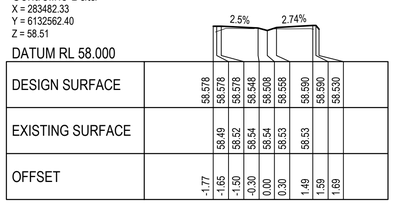
DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1100 A

LEGEND

———	DESIGN SURFACE
——— ———	EXISTING SURFACE

Centreline Data
X = 283482.33
Y = 6132562.40
Z = 58.51

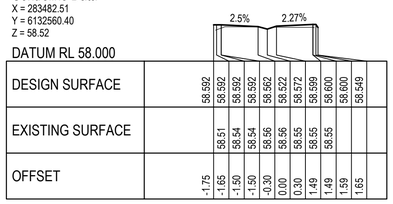


DATUM RL 58.000

DESIGN SURFACE		58.578	58.578	58.578	58.548	58.508	58.590	58.590	58.530	
EXISTING SURFACE			58.49	58.52	58.54	58.558	58.53			
OFFSET	-1.77	-1.65	-1.50	-0.30	0.00	0.30	1.49	1.59	1.69	

CHAINAGE 30.000

Centreline Data
X = 283482.51
Y = 6132560.40
Z = 58.52

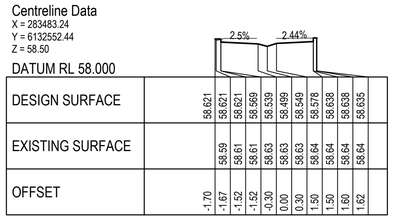


DATUM RL 58.000

DESIGN SURFACE		58.592	58.592	58.592	58.562	58.522	58.572	58.600	58.600	58.549
EXISTING SURFACE			58.51	58.54	58.54	58.56	58.55	58.55	58.55	
OFFSET	-1.75	-1.65	-1.50	-1.50	-0.30	0.00	0.30	1.49	1.49	1.59	1.65

CHAINAGE 27.992

Centreline Data
X = 283483.24
Y = 6132552.44
Z = 58.50

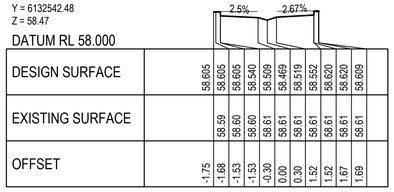


DATUM RL 58.000

DESIGN SURFACE		58.621	58.621	58.621	58.569	58.539	58.499	58.549	58.578	58.638	58.638	58.635
EXISTING SURFACE			58.59	58.61	58.61	58.63	58.63	58.64	58.64	58.64	58.64	58.64
OFFSET	-1.70	-1.67	-1.52	-1.52	-0.30	0.00	0.30	1.50	1.50	1.60	1.62	

CHAINAGE 20.000

Centreline Data
X = 283484.15
Y = 6132542.48
Z = 58.47

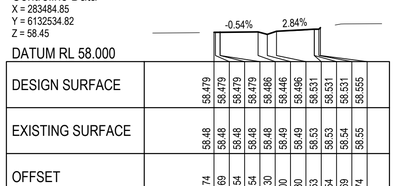


DATUM RL 58.000

DESIGN SURFACE		58.605	58.605	58.605	58.540	58.509	58.469	58.519	58.552	58.620	58.620	58.609
EXISTING SURFACE			58.59	58.60	58.60	58.61	58.61	58.61	58.61	58.61	58.61	
OFFSET	-1.75	-1.68	-1.53	-1.53	-0.30	0.00	0.30	1.52	1.52	1.67	1.69	

CHAINAGE 10.000

Centreline Data
X = 283484.85
Y = 6132534.82
Z = 58.45

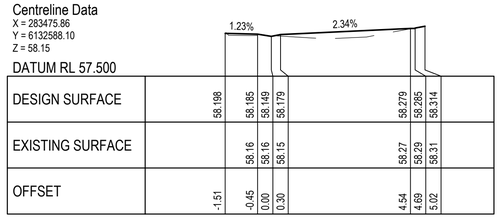


DATUM RL 58.000

DESIGN SURFACE		58.479	58.479	58.479	58.479	58.486	58.446	58.496	58.531	58.531	58.531	58.555
EXISTING SURFACE		58.48	58.48	58.48	58.48	58.48	58.49	58.49	58.53	58.53	58.54	58.55
OFFSET	-1.74	-1.69	-1.54	-1.54	-0.30	0.00	0.30	1.53	1.54	1.69	1.74	

CHAINAGE 2.300

Centreline Data
X = 283475.86
Y = 6132588.10
Z = 58.15

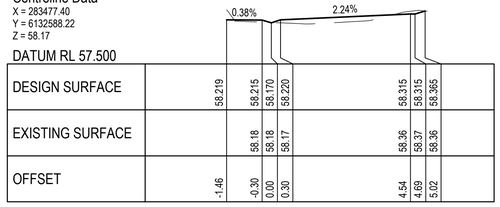


DATUM RL 57.500

DESIGN SURFACE	58.198	58.185	58.149	58.179			58.279	58.285	58.314
EXISTING SURFACE		58.16	58.16	58.15			58.27	58.29	58.31
OFFSET	-1.51	-0.45	0.00	0.30			4.54	4.69	5.02

CHAINAGE 59.151

Centreline Data
X = 283477.40
Y = 6132588.22
Z = 58.17

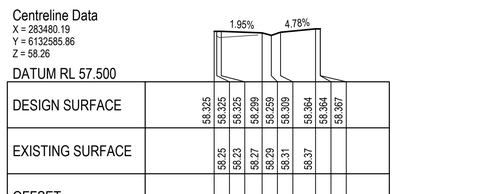


DATUM RL 57.500

DESIGN SURFACE	58.219	58.215	58.170	58.220			58.315	58.315	58.365
EXISTING SURFACE		58.18	58.18	58.17			58.36	58.37	58.36
OFFSET	-1.46	-0.30	0.00	0.30			4.54	4.69	5.02

CHAINAGE 57.613

Centreline Data
X = 283480.19
Y = 6132585.86
Z = 58.26

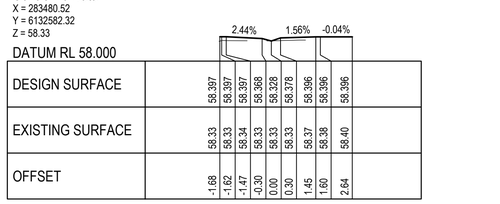


DATUM RL 57.500

DESIGN SURFACE	58.325	58.325	58.325	58.299	58.259	58.309	58.364	58.364	58.367
EXISTING SURFACE		58.25	58.23	58.27	58.29	58.31	58.37		
OFFSET	-1.87	-1.78	-1.63	-0.30	0.00	0.30	1.44	1.59	1.60

CHAINAGE 53.560

Centreline Data
X = 283480.52
Y = 6132582.32
Z = 58.33

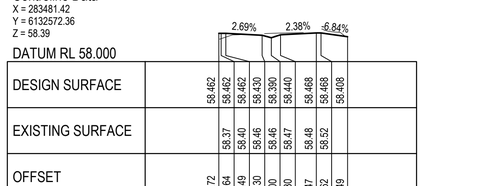


DATUM RL 58.000

DESIGN SURFACE	58.397	58.397	58.397	58.368	58.328	58.378	58.396	58.396	58.396
EXISTING SURFACE	58.33	58.33	58.34	58.33	58.33	58.33	58.37	58.38	58.40
OFFSET	-1.68	-1.62	-1.47	-0.30	0.00	0.30	1.45	1.60	2.64

CHAINAGE 50.000

Centreline Data
X = 283481.42
Y = 6132572.36
Z = 58.39

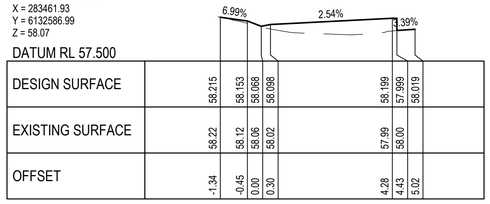


DATUM RL 58.000

DESIGN SURFACE	58.462	58.462	58.462	58.430	58.390	58.440	58.468	58.468	58.408
EXISTING SURFACE		58.37	58.40	58.46	58.46	58.47	58.48	58.52	
OFFSET	-1.72	-1.64	-1.49	-0.30	0.00	0.30	1.47	1.62	2.49

CHAINAGE 40.000

Centreline Data
X = 283461.93
Y = 6132586.99
Z = 58.07

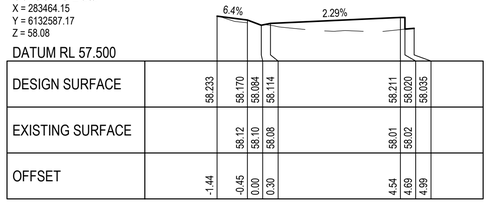


DATUM RL 57.500

DESIGN SURFACE	58.215	58.153	58.068	58.098			58.199	57.999	58.019
EXISTING SURFACE	58.22	58.12	58.06	58.02			57.99	58.00	
OFFSET	-1.34	-0.45	0.00	0.30			4.28	4.43	5.02

CHAINAGE 73.127

Centreline Data
X = 283464.15
Y = 6132587.17
Z = 58.08

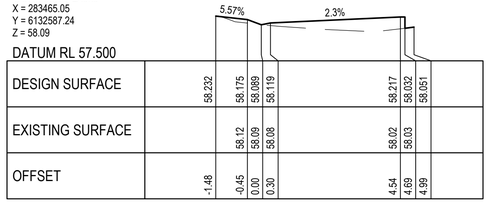


DATUM RL 57.500

DESIGN SURFACE	58.233	58.170	58.084	58.114			58.211	58.020	58.035
EXISTING SURFACE		58.12	58.10	58.08			58.01	58.02	
OFFSET	-1.44	-0.45	0.00	0.30			4.54	4.69	4.99

CHAINAGE 70.899

Centreline Data
X = 283465.05
Y = 6132587.24
Z = 58.09

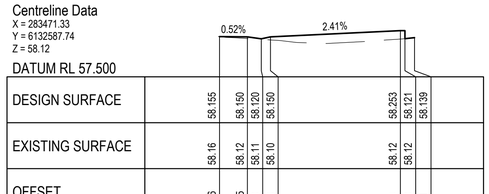


DATUM RL 57.500

DESIGN SURFACE	58.232	58.175	58.089	58.119			58.217	58.032	58.051
EXISTING SURFACE		58.12	58.09	58.08			58.02	58.03	
OFFSET	-1.48	-0.45	0.00	0.30			4.54	4.69	4.99

CHAINAGE 70.000

Centreline Data
X = 283471.33
Y = 6132587.74
Z = 58.12

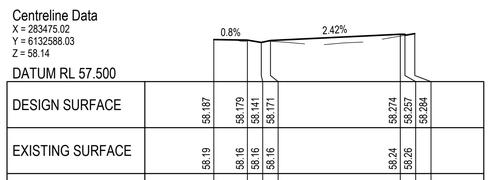


DATUM RL 57.500

DESIGN SURFACE	58.155	58.150	58.120	58.150			58.253	58.121	58.139
EXISTING SURFACE	58.16	58.12	58.11	58.10			58.12	58.12	
OFFSET	-1.36	-0.45	0.00	0.30			4.54	4.69	5.01

CHAINAGE 63.697

Centreline Data
X = 283475.02
Y = 6132588.03
Z = 58.14

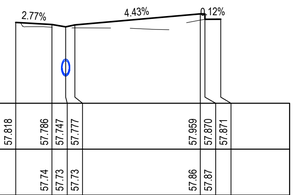


DATUM RL 57.500

DESIGN SURFACE	58.187	58.179	58.141	58.171			58.274	58.257	58.284
EXISTING SURFACE	58.19	58.16	58.16	58.16			58.24	58.26	
OFFSET	-1.55	-0.45	0.00	0.30			4.54	4.69	5.02

CHAINAGE 60.000

Centreline Data
X = 283435.14
Y = 6132584.87
Z = 57.75

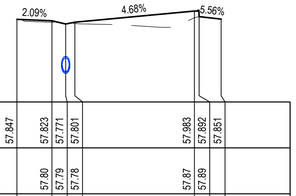


DATUM RL 56.500

DESIGN SURFACE	57.818	57.786	57.747	57.777			57.959	57.870	57.871
EXISTING SURFACE		57.74	57.73	57.73			57.86	57.87	
OFFSET	-1.63	-0.45	0.00	0.30			4.40	4.55	5.06

CHAINAGE 100.000

Centreline Data
X = 283437.27
Y = 6132585.04
Z = 57.77

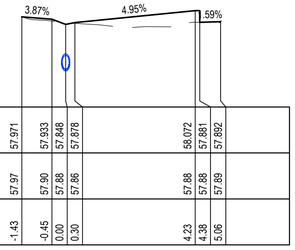


DATUM RL 56.500

DESIGN SURFACE	57.847	57.823	57.771	57.801			57.983	57.892	57.851
EXISTING SURFACE		57.80	57.79	57.78			57.87	57.89	
OFFSET	-1.59	-0.45	0.00	0.30			4.20	4.35	5.08

CHAINAGE 97.863

Centreline Data
X = 283445.11
Y = 6132585.66
Z = 57.85

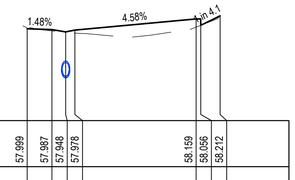


DATUM RL 56.500

DESIGN SURFACE	57.971	57.933	57.848	57.878			58.072	57.881	57.892
EXISTING SURFACE	57.97	57.90	57.88	57.86			57.88	57.88	57.89
OFFSET	-1.43	-0.45	0.00	0.30			4.23	4.38	5.06

CHAINAGE 90.000

Centreline Data
X = 283455.08
Y = 6132586.45
Z = 57.95



DATUM RL 56.500

DESIGN SURFACE	57.999	57.987	57.948	57.978			58.159	58.056	58.212
EXISTING SURFACE	58.00	57.96	57.94	57.93			58.03	58.06	
OFFSET	-1.26	-0.45	0.00	0.30			4.26	4.41	5.04

CHAINAGE 80.000

LANEWAY CROSS SECTIONS

SCALE H 1:100m V 1:50m

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	10/03/2023	PRELIMINARY ISSUE	AW	JMN	-

City of Norwood Payneham & St Peters

0 1 2 4m
SCALE 1:100 @A1

0 1 2m
SCALE 1:50 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP

LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067
CIVIL SITEWORKS
LANEWAY CROSS SECTIONS
SHEET 1 OF 2

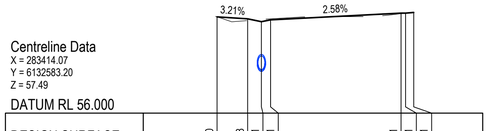
DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1200 A

XREF's:
CAD File: C:\Users\joel\Dryside Engineering Dropbox\Dryside\1. Jobs\DSE20058_Rosemont_Ln_NPSP\4.ENGINEERING\2.Drawings\DSE20058-1200.dwg

LEGEND

———	DESIGN SURFACE
— — —	EXISTING SURFACE

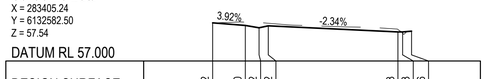


Centreline Data
X = 283414.07
Y = 6132583.20
Z = 57.49

DATUM RL 56.000

DESIGN SURFACE	57.570	57.538	57.491	57.521	57.631	57.631	57.641		
EXISTING SURFACE	57.57	57.51	57.53	57.54	57.62	57.63	57.64		
OFFSET	-1.45	-0.45	0.00	0.30	4.56	4.71	4.97		

CHAINAGE 121.134

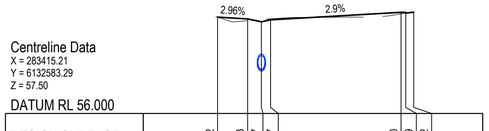


Centreline Data
X = 283405.24
Y = 6132582.50
Z = 57.54

DATUM RL 57.000

DESIGN SURFACE	57.622	57.580	57.542	57.572	57.473	57.473	57.486		
EXISTING SURFACE		57.63	57.63	57.62	57.51	57.46			
OFFSET	-1.52	-0.45	0.00	0.30	4.53	4.68	4.98		

CHAINAGE 130.000

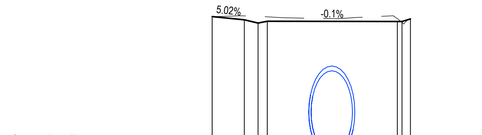


Centreline Data
X = 283415.21
Y = 6132583.29
Z = 57.50

DATUM RL 56.000

DESIGN SURFACE	57.572	57.543	57.497	57.527	57.650	57.639	57.652		
EXISTING SURFACE	57.57	57.51	57.53	57.54	57.63	57.64	57.65		
OFFSET	-1.43	-0.45	0.00	0.30	4.56	4.71	4.97		

CHAINAGE 120.000

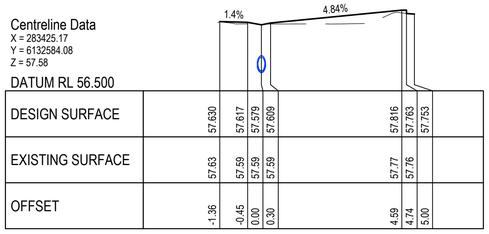


Centreline Data
X = 283410.06
Y = 6132582.88
Z = 57.50

DATUM RL 54.500

DESIGN SURFACE	57.610	57.557	57.505	57.535	57.530	57.530	57.571		
EXISTING SURFACE		57.62	57.61	57.61	57.58	57.52			
OFFSET	-1.50	-0.45	0.00	0.30	4.55	4.70	4.98		

CHAINAGE 125.157

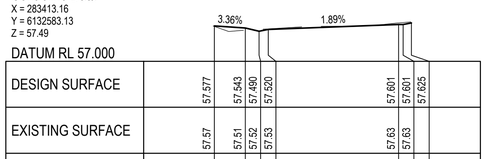


Centreline Data
X = 283425.17
Y = 6132584.08
Z = 57.58

DATUM RL 56.500

DESIGN SURFACE	57.630	57.617	57.579	57.609	57.816	57.763	57.753		
EXISTING SURFACE	57.63	57.59	57.59	57.59	57.77	57.76			
OFFSET	-1.36	-0.45	0.00	0.30	4.59	4.74	5.00		

CHAINAGE 110.000

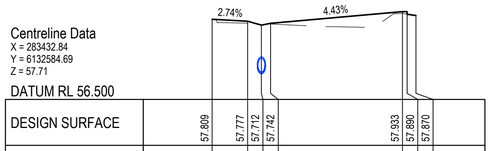


Centreline Data
X = 283413.16
Y = 6132583.13
Z = 57.49

DATUM RL 57.000

DESIGN SURFACE	57.577	57.543	57.490	57.520	57.601	57.601	57.625		
EXISTING SURFACE	57.57	57.51	57.52	57.53	57.63	57.63			
OFFSET	-1.46	-0.45	0.00	0.30	4.55	4.70	4.97		

CHAINAGE 122.055

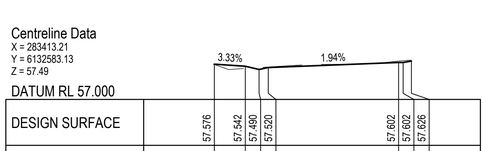


Centreline Data
X = 283432.84
Y = 6132584.69
Z = 57.71

DATUM RL 56.500

DESIGN SURFACE	57.809	57.777	57.712	57.742	57.933	57.890	57.870		
EXISTING SURFACE		57.74	57.74	57.73	57.90	57.89			
OFFSET	-1.61	-0.45	0.00	0.30	4.61	4.76	5.05		

CHAINAGE 102.314



Centreline Data
X = 283413.21
Y = 6132583.13
Z = 57.49

DATUM RL 57.000

DESIGN SURFACE	57.576	57.542	57.490	57.520	57.602	57.602	57.626		
EXISTING SURFACE	57.57	57.51	57.52	57.53	57.63	57.63			
OFFSET	-1.46	-0.45	0.00	0.30	4.55	4.70	4.97		

CHAINAGE 122.000

LANEWAY CROSS SECTIONS

SCALE H 1:100m V 1:50m

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	-	NOT ISSUED AS PART OF DRAWING SET	-	-	-

City of Norwood Payneham & St Peters

0 1 2 4m
SCALE 1:100 @A1

0 1 2m
SCALE 1:50 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP

LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067
CIVIL SITEWORKS
LANEWAY CROSS SECTIONS
SHEET 2 OF 2

DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1201 A

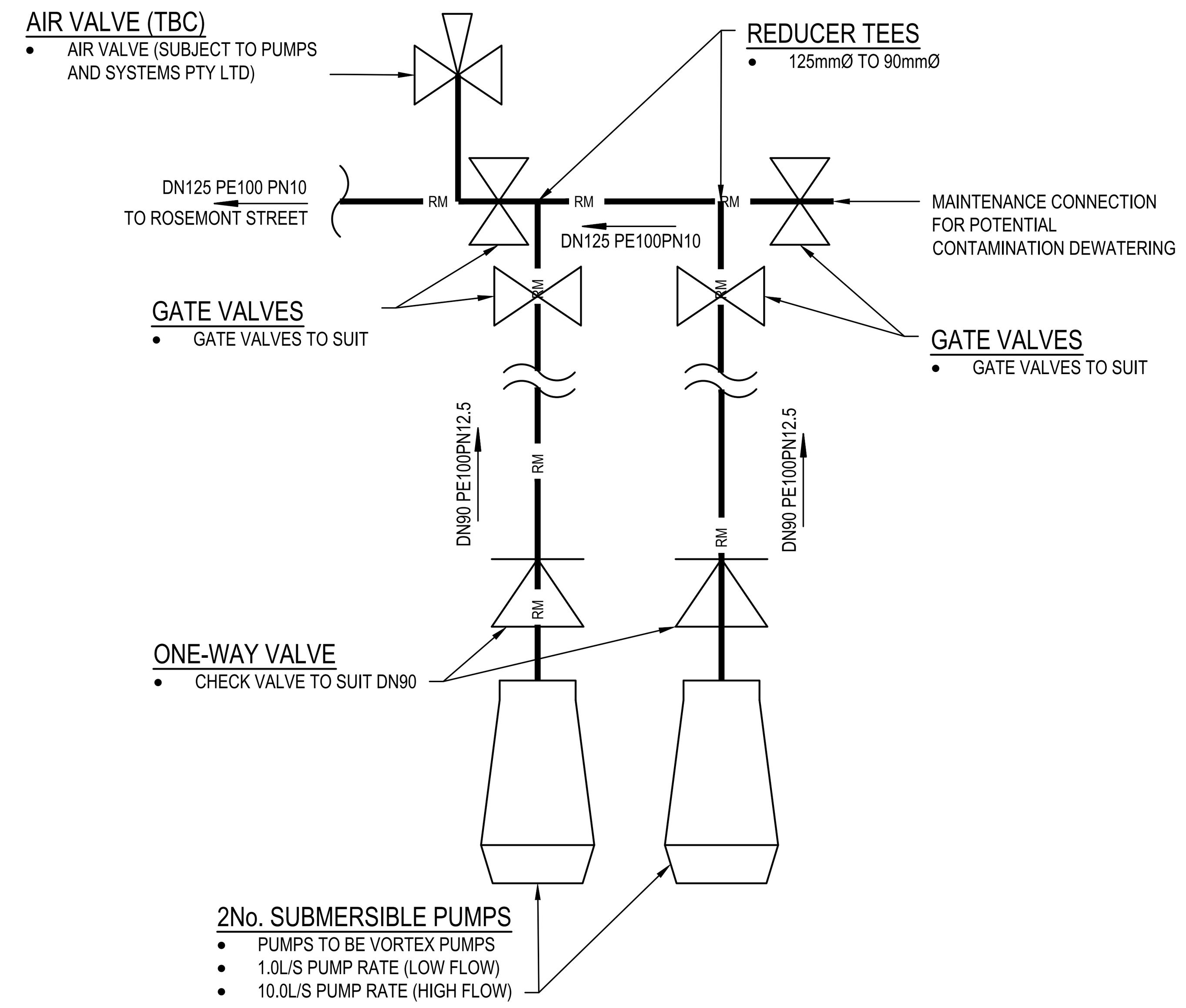
DATE PLOTTED: 20 August 2024 2:21 PM BY : JOE MILLER-NORMAN

LEGEND - DRAINAGE LONG SECTIONS

▬	FINISHED SURFACE
— —	EXISTING SURFACE
═	DRAINAGE SECTION
▨	SA-C SAND BACKFILL
(1)	PIT NUMBER

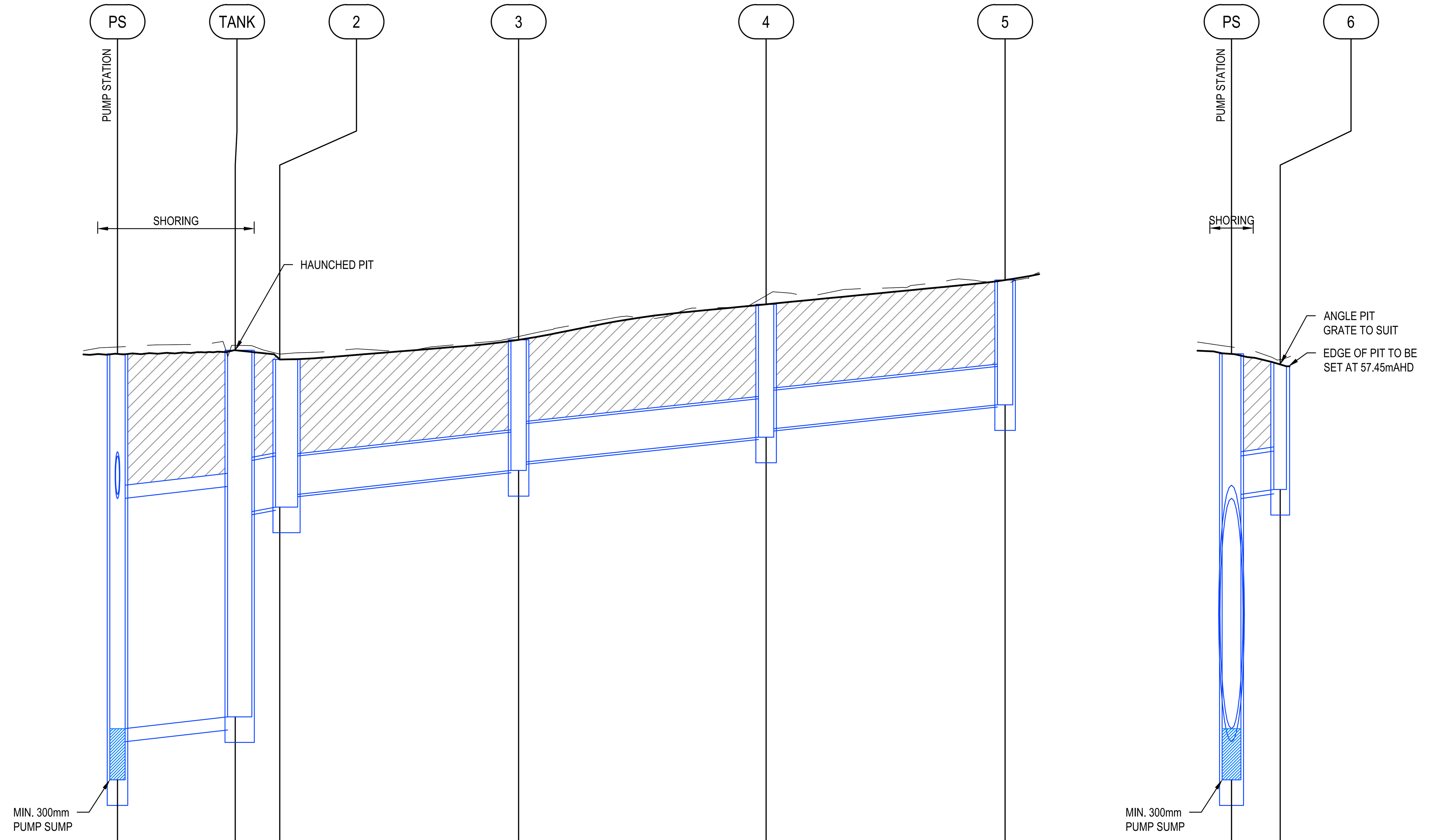
PUMP SCHEDULE

PUMP STATION	
COMPONENTS - 2No.	SUBMERSIBLE VORTEX PUMP ONE WAY CHECK VALVE AND OTHER FITTINGS AS REQUIRED (IE AIR VALVE/PRESSURE CONTROL) LIFTING CHAIN AND STAND AUTO-COUPLING FLOAT OPERATED
PUMP RATE	VARIABLE. MIN 1.0L/S - MAX 10.0 L/S
PUMP CONTOL	PUMP CONTROLLER AND TELEMETRY TO BE MOUNTED WITHIN ELECTRICITY METER CABINET
STATIC HEAD	APPROX. 3.5m
WETTED SUMP	300mm (SUBJECT TO PUMP SPECIFICATION)
PUMP SUMP WELL	2.5m DEEP.
ON/OFF	REFER PUMP STATION TYPICAL DETAIL
RISING MAIN AND MANIFOLD	DN90mm PE100 PN12.5 AND DN125 PE100 PN10
COMMENT	RISING MAIN TO BE CONFIGURED AS PER TYPICAL SCHEMATIC DIAGRAM



PUMPS AND VALVES SCHEMATIC DIAGRAM

NTS



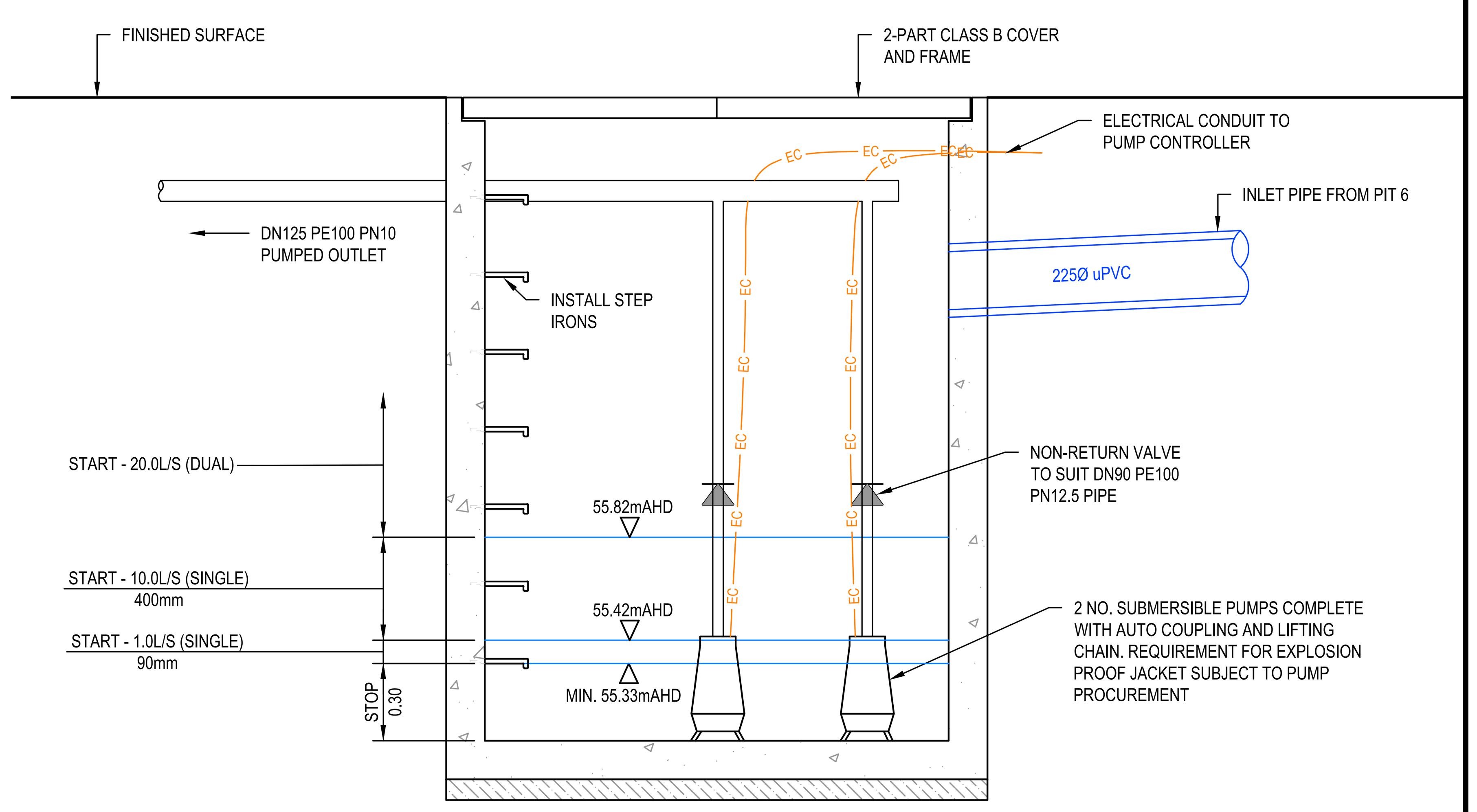
Vc - CAPACITY VELOCITY (m/s)
Qcap - CAPACITY FLOW (L/s)
PIPE SIZE (mm)
PIPE TYPE & CLASS
PIPE GRADE (1in)

	PS – TANK	TANK – 2	2 – 3	3 – 4	4 – 5	PS – 6
Vc	Vc = 4.85 m/s	Vc = 1.78 m/s	Vc = 1.47 m/s	Vc = 1.47 m/s	Vc = 1.47 m/s	Vc = 1.47 m/s
Qcap	Qcap = 6942 L/s	Qcap = 126 L/s	Qcap = 58 L/s	Qcap = 58 L/s	Qcap = 58 L/s	Qcap = 58 L/s
PIPE SIZE	1350 Ø	300 Ø	225 Ø	225 Ø	225 Ø	225 Ø
PIPE TYPE & CLASS	HDPE	uPVC	uPVC	uPVC	uPVC	uPVC
PIPE GRADE	1 IN 100	1 IN 100	1 IN 100	1 IN 100	1 IN 100	1 IN 100
DATUM RL (AHD)	53.00					53.00

	PS		TANK		2		3		4		5	PS		6
DEPTH TO INVERT	2.50	2.20	2.15	0.95	0.87	0.79	0.77	0.72	0.78	0.73	0.73	2.50	0.82	0.72
INVERT LEVEL	55.03	55.33	55.40	56.60	56.62	56.70	56.84	56.89	57.03	57.08	57.22	55.03	56.70	56.73
DESIGN COVER LEVEL	57.52		57.54		57.49		57.60		57.81		57.96	57.52		57.45 (57.47)
EXISTING SURFACE	57.52		57.54		57.49		57.60		57.81		57.96	57.52		57.47
LENGTH, CHAINAGE	-4.01	L = 6.90 m	2.89	L = 2.60 m	5.49	L = 14.00 m	19.49	L = 14.50 m	33.99	L = 14.00 m	47.99	0.00	L = 2.85 m	2.85

DRAINAGE LONGITUDINAL SECTIONS

SCALE H 1:200m V 1:20m



PUMP STATION TYPICAL DETAIL

SCALE 1:20

NOTES:

1. PUMP SELECTION TO ENSURE PUMP NOISE IS LIMITED TO NO GREATER THAN 39-43 DB(A) AS PER THE EPA VIC NOISE LIMITATION REQUIREMENTS FOR RESIDENTIAL AREAS AT NIGHT (2200-0700 HOURS)
2. RISING MAINS AND MANIFOLD TO BE FIRMLY FIXED TO THE WALLS OF THE PUMP WELL TO ENSURE THERE ARE NO PIPE VIBRATIONS
3. PUMPS ARE TO BE FLOAT TRIGGERED UNLESS OTHERWISE SPECIFIED
4. ALL TANK WALLS AND PIPE CONNECTIONS ARE TO BE EPOXY GROUT SEALED AND MADE WATER TIGHT.

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	-	NOT ISSUED AS PART OF DRAWING SET	-	-	-

XREF's:
CAD File: C:\Users\joe\Dryside Engineering Dropbox\Dryside\1. Jobs\DSE20058_Rosemont_Ln_NPSP\4.ENGINEERING\2.Drawings\DSE20058-1300.dwg

City of Norwood Payneham & St Peters

0 5 8m
SCALE 1:200 @A1

0 0.5 0.8m
SCALE 1:20 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
[illegible]
ED HENTY 25/07/2024

CITY OF NPSP

LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067

CIVIL SITEWORKS
DRAINAGE LONGITUDINAL SECTION

DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1300 A

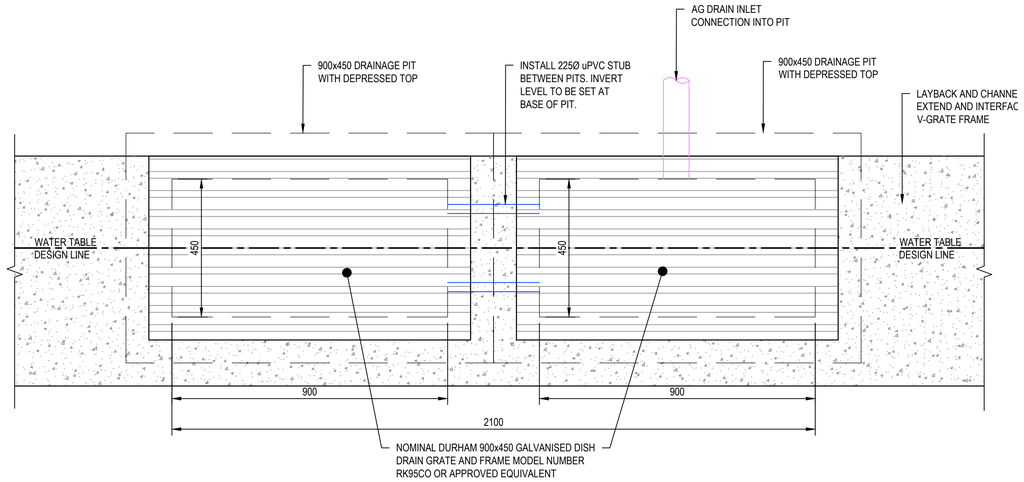
DATE PLOTTED: 20 August 2024 2:21 PM BY: JOE MILLER-NORMAN

PIT SCHEDULE

PIT NO	LOCATION		TYPE	INTERNAL		PIT COVER LEVEL	GRATE/COVERS	DEPTH	INLET		OUTLET		COMMENTS
	EASTING	NORTHING		WD	LEN				DIA	INV LEV	DIA	INV LEV	
PS	283405.180	6132584.890	PUMP STATION - JP	1800	900	57.522	2No. 900x900 CLASS B LOCKABLE COVERS AND FRAME (2-PART COVER)	2.50	1350	55.326			CONSTRUCT 1800x900 PIT AS PER INFRASTRUCTURE SA STD DRG SD305. PIT TO BE INSTALLED WITH PUMPS BY 'PUMPS AND SYSTEMS PTY LTD'. INSTALL STEP IRONS.
									225	56.699			
TANK	283412.056	6132585.464	DETENTION TANK - JP	1800	900	57.544	600x600 CLASS D LOCKABLE COVER AND FRAME	2.15	300	56.598	1350	55.395	CONSTRUCT 1800x900 HAUNCHED PIT AS PER DIT STD DRG 4080-1 TYPE'B'
2	283413.211	6132583.131	DGEP	2100	450	57.490	2No. 900X450 CLASS D DISHED GRATE AND FRAME	0.87	225	56.699	300	56.624	CONSTRUCT NEW PIT AS PER TYPICAL DETAIL
3	283427.168	6132584.237	GEP	450	900	57.604	900X450 CLASS D DISHED GRATE AND FRAME	0.77	225	56.889	225	56.839	CONSTRUCT NEW PIT AS PER TYPICAL DETAIL
4	283441.622	6132585.383	GEP	450	900	57.813	900X450 CLASS D DISHED GRATE AND FRAME	0.78	225	57.084	225	57.034	CONSTRUCT NEW PIT AS PER TYPICAL DETAIL
5	283455.579	6132586.489	GEP	450	900	57.955	900X450 CLASS D DISHED GRATE AND FRAME	0.73			225	57.224	CONSTRUCT NEW PIT AS PER TYPICAL DETAIL
6	283402.727	6132586.339	GEP	600	600	57.450	600X600 CLASS B GRATE AND FRAME (BOLT DOWN)	0.72			225	56.727	CONSTRUCT NEW PIT AS PER INFRASTRUCTURE SA STD DRG SD305. COVER TO BE SLOPED TO FOLLOWING PAVER LEVEL. LOW SIDE TO BE SET AT 57.45mAHD.
7	-	-	GSEP	600	900	EX	900X450 CLASS D GRATE AND FRAME, PRECAST B2 LINTEL	0.45	125 PE	-			CONSTRUCT NEW PUMP MAIN SURCHARGE PIT AS PER TYPICAL DETAIL
8	-	-	GSEP	600	900	EX	900X450 CLASS D GRATE AND FRAME, PRECAST B2 LINTEL	0.45	125 PE	-			CONSTRUCT NEW PUMP MAIN SURCHARGE PIT AS PER TYPICAL DETAIL

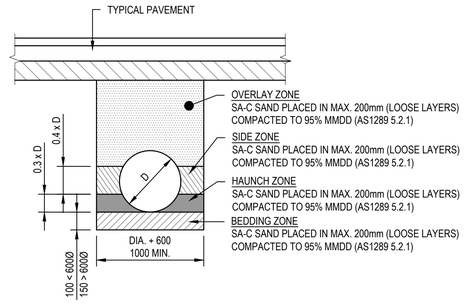
NOTES:

1. ALL PITS ARE TO BE TO INFRASTRUCTURE SA OR DIT (DEPARTMENT OF INFRASTRUCTURE AND TRANSPORT) STANDARDS UNLESS NOTED OTHERWISE.
2. COVER LEVELS TO BE SET TO MATCH THE FINISHED SURFACE PROFILES AND ADJACENT CONSTRUCTION.
3. GSEP = GRATED SIDE ENTRY PIT, DSEP = DOUBLE GRATED ENTRY PIT, GEP = GRATED ENTRY PIT
4. ALL PITS IN ROAD RESERVE TO BE FITTED WITH CLASS D COVERS OR GRATES.
5. SET OUT RLs ARE TO THE WATER TABLE OF THE KERB WHERE GRATED PITS HAVE BEEN NOMINATED



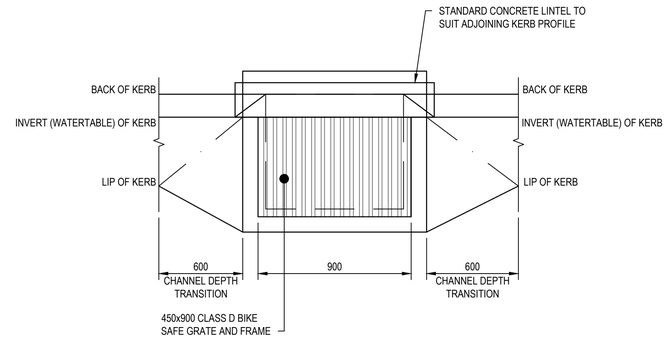
LAYBACK DOUBLE GRATED ENTRY PIT 2 DETAIL

NTS

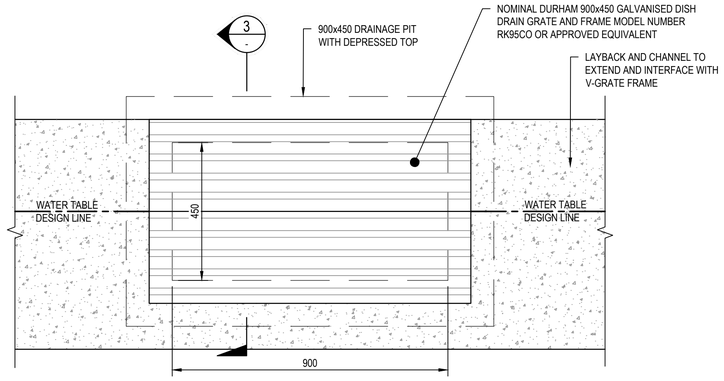


PIPE TRENCH DETAIL

NTS

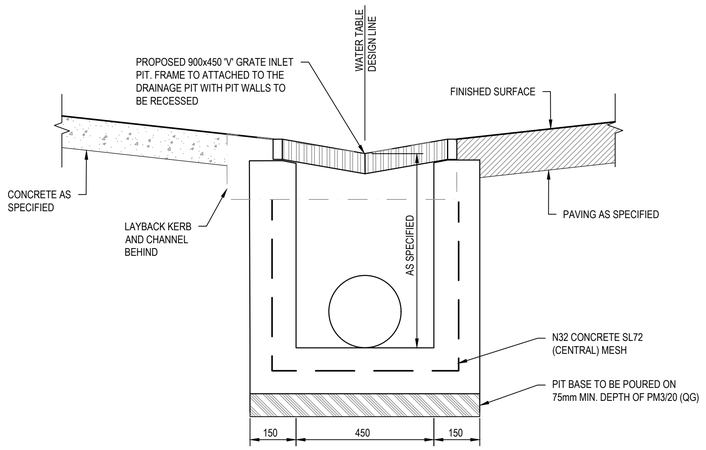


PLAN VIEW



LAYBACK GRATED ENTRY PIT 3, 4 AND 5 DETAIL

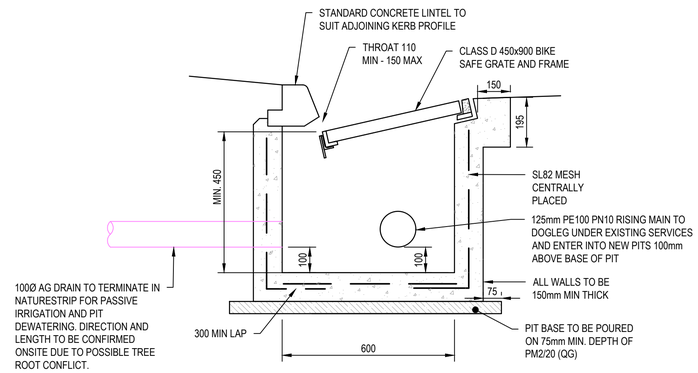
NTS



LAYBACK DRAIN PIT SECTION

3
-

NTS



SECTION

GRATED SIDE ENTRY PIT 7 AND 8 DETAIL (SURCHARGE PIT)

SCALE 1:NTS

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	-	NOT ISSUED AS PART OF DRAWING SET	-	-	-

City of Norwood Payneham & St Peters

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP

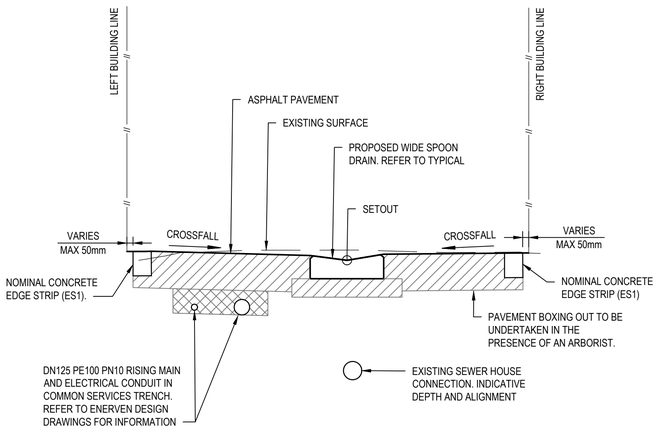
LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067

CIVIL SITEWORKS
DRAINAGE DETAILS AND PIT SCHEDULE

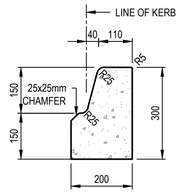
DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	NTS	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1301 A

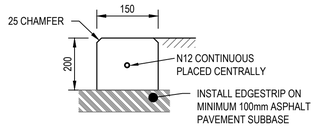
XREF's:
CAD File: C:\Users\joel\Dryside Engineering Dropbox\Dryside1. Jobs\DSE20058_Rosemont_Ln_NPSP\4.ENGINEERING\2.Drawings\DSE20058-1300.dwg



SECTION 1
NTS 1000

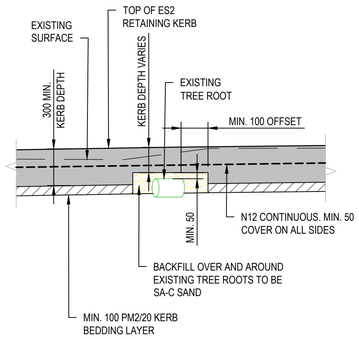


150mm BARRIER KERB (B1)
NOT TO SCALE

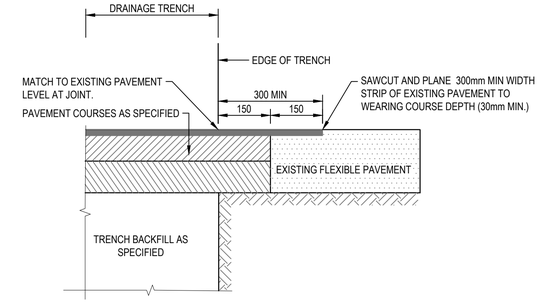


EDGE STRIP (ES1)
NOT TO SCALE

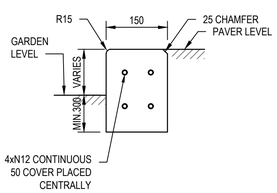
NOTE:
- WHERE THE TOP OF KERB IS HIGHER THAN THE FINISHED PAVEMENT SURFACE, THE DEPTH OF THE EDGESTRIP IS TO INCREASE TO MAINTAIN A MINIMUM OF 200mm EMBEDMENT INTO EXISTING SURFACE



TREE ROOT KERB BRIDGING DETAIL
SCALE 1:25

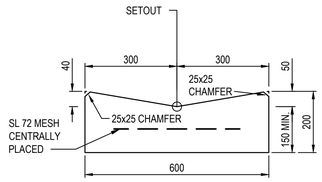


MATCHING OF EXISTING AND PROPOSED PAVEMENTS
SCALE 1:NTS

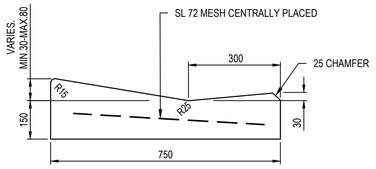


EDGE STRIP (ES2)
NOT TO SCALE

NOTE:
- WHERE KERB IS TO BRIDGE TREE ROOTS A LAYER OF SAND IS TO BE USED AS THE BEDDING LAYER TO PREVENT ROCK DAMAGE TO EXISTING TREE ROOTS

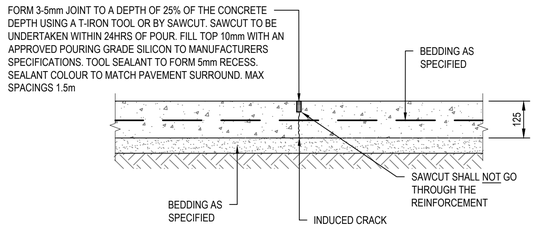


WIDE SPOON DRAIN (WSD)
NOT TO SCALE



LAYBACK AND CHANNEL
NOT TO SCALE

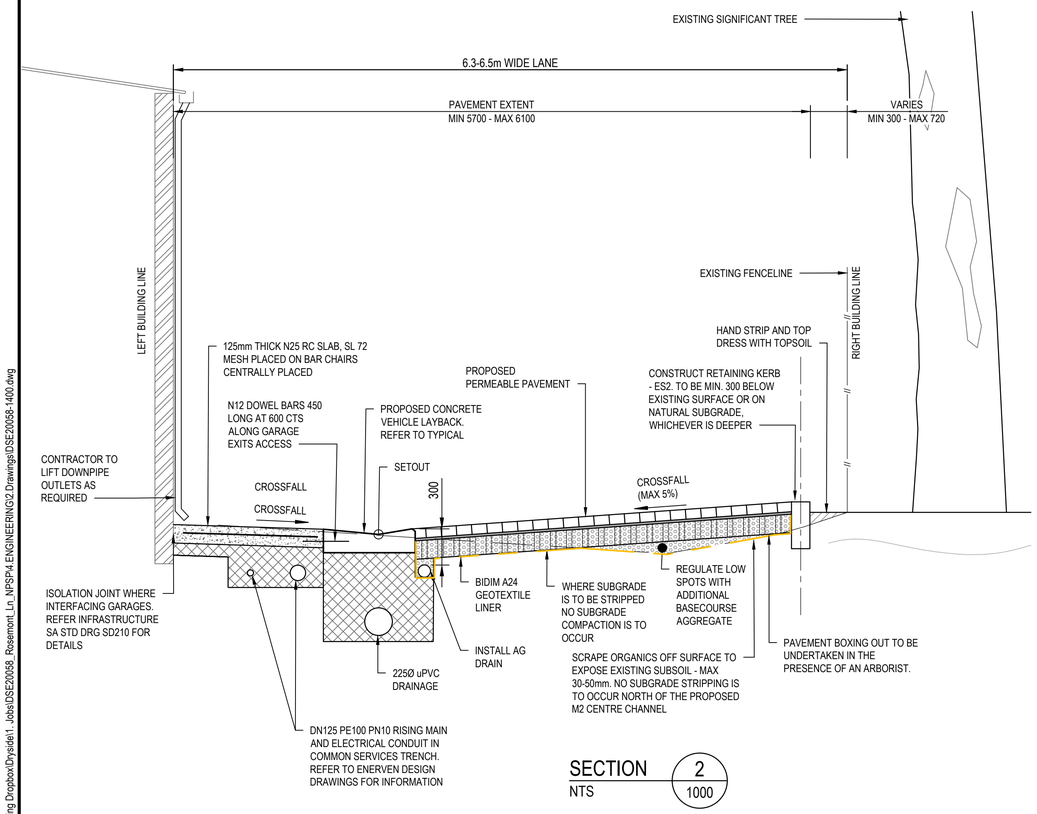
NOTE:



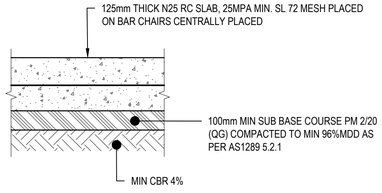
SAWCUT/TOOLED JOINT DETAIL
NTS

NOTES
1. SAWCUT TO BE UNDERTAKEN WITHIN A 4 to 24 HOUR PERIOD AFTER CONCRETE IS POURED.

KERB NOTES:
1. CONCRETE SHALL BE NORMAL CLASS N25 STANDARD STRENGTH GRADE COMPLYING WITH THE REQUIREMENTS OF AS. 1379.
2. BEDDING TO BE PM2 / 20 QG COMPACTED TO 96% MMDD TO AS1289 METHOD 5.2.1. BEDDING TO EXTEND MIN. 300mm BEHIND BACK OF KERB. THICKNESS MIN. 100mm TO MATCH EXISTING PAVEMENT SUBBASE, WHICHEVER IS GREATER. PM2 / 20 RG TO BE USED ONLY WHEN SPECIFICALLY APPROVED BY COUNCIL
3. CONCRETE TO BE SMOOTH TROWELLED FINISHED ON TRAY AND KERB.
4. CONCRETE SPONGE FINISHED ON LAYBACK.
5. SHRINKAGE CONTROL JOINTS (TOOLED JOINT) LOCATED AT 2500mm MAXIMUM SPACING. MIN. 50% OF SECTION AREA TO BE CUT. FINISHED WITH TOOLED JOINT 20mm DEPTH TO PRODUCE NEAT GROOVE NOT LESS THAN 5mm WIDE.
6. CONSTRUCTION JOINTS AS REQUIRED TO BE IN ACCORDANCE WITH AS 2876-2000.
7. LINE OF KERB IS USED TO DETERMINE CARRIAGEWAY WIDTHS.
8. WHERE ADJACENT PAVEMENT IS BLOCK PAVED OR CONCRETE, DELETE 25 x 25mm CHAMFER AND REPLACE WITH R5.
9. BACKFILL BEHIND KERB UNTIL FLUSH WITH COMPACTED APPROVED IN-SITU SITE MATERIAL OR PM2 / 20 QG COMPACTED TO 95% MMDD TO AS1289 METHOD 5.2.1.

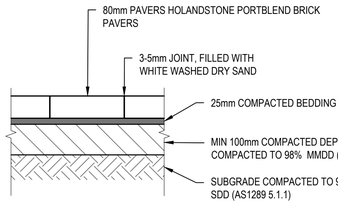


SECTION 2
NTS 1000



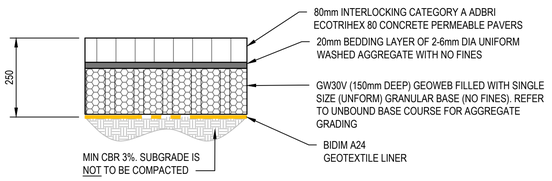
CONCRETE PAVEMENT
NOT TO SCALE

NOTES:
1. ALL EXISTING UNCONTROLLED FILL TO BE REMOVED AND REGULATED WITH PM2/20 SUB-BASE
2. REFER INFRASTRUCTURE SA STD DRG SD225 FOR ADDITIONAL INFORMATION



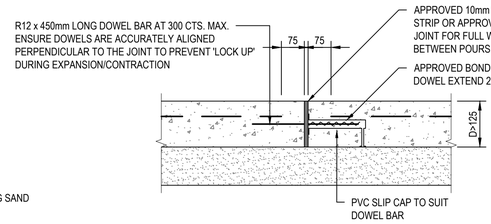
UNIT PAVER DETAIL
NOT TO SCALE

NOTES:
1. REFER TO NPSP SD10 FOR INFORMATION



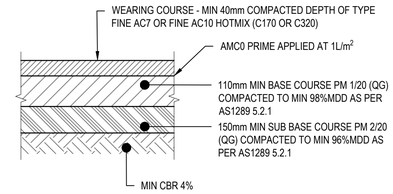
PERMEABLE PAVER PAVEMENT
NOT TO SCALE

NOTES:
1. REFER TO THE CONSTRUCTION SPECIFICATION FOR AGGREGATE GRADING CRITERIA FOR THE BASECOURSE AND JOINT FILLER/BEDDING LAYERS
2. INSTALLATION OF GEOWEB TO MANUFACTURERS SPECIFICATION
3. INSTALLATION OF ADBRI ECOTRIHEX TO MANUFACTURERS GUIDELINES



EXPANSION JOINT DETAIL
NTS

NOTES
1. USE OF PROPRIETARY EXPANSION JOINTS SUCH AS TRIPSTOP CAN BE USED WITH COUNCIL APPROVAL IN REACTIVE SOILS OR WHERE TREE ROOTS MAY AFFECT PAVEMENT



FULL DEPTH ASPHALT PAVEMENT
NOT TO SCALE

NOTES:
1. ALL EXISTING UNCONTROLLED FILL TO BE REMOVED AND REGULATED WITH PM2/20 SUB-BASE
2. SUBGRADE SOFT SPOT TREATMENT BELOW ASPHALT PAVEMENT LAYERS REQUIRES EXCAVATION OF 150mm (MINIMUM) OF SUB GRADE AND REINSTATING WITH PM2/20 @ 95% MMDD.

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DES	VER	APP
A	20/08/2024	CONSTRUCTION ISSUE	AW	JMN	EH
2	28/05/2024	DETAILED DESIGN	AW	JMN	-
1	10/03/2023	PRELIMINARY ISSUE	AW	JMN	-

City of Norwood Payneham & St Peters

0 0.5 1m
SCALE 1:25 @A1

DRYSIDE ENGINEERING
www.dryside.com.au
ABN:45639039839

CHECKED
J.MILLER-NORMAN 25/07/2024
APPROVED
ED HENTY 25/07/2024

CITY OF NPSP
LANEWAY RECONSTRUCTION WORKS
ROSEMONT LANE, NORWOOD
SA 5067
CIVIL SITEWORKS
TYPICAL DETAILS
-

DRAWN	DATE	SCALE	DATUM
A.WARD	09/03/2023	AS SHOWN	MAHD
DESIGNED	DATE	PROJECTION	SHEET SIZE
A.WARD	09/03/2023	GD2020	A1

DSE20058-1400 A