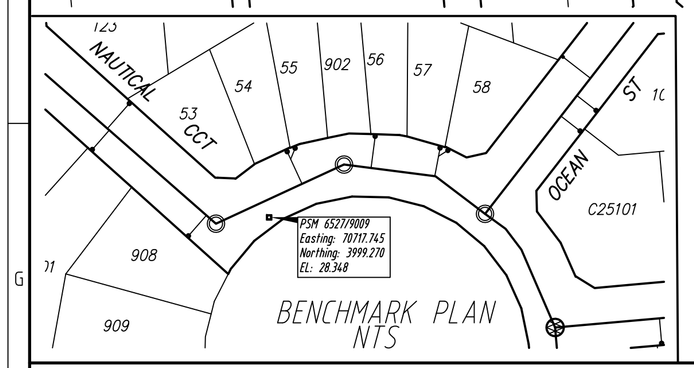
DO NOT SCALE PAPER PRINT

F.B. Pg.



BENCHMARK PLAN
NTS

LOCALITY PLAN
0 10 20 40 60 m.

'VARIO-BEND' CUTTING TABLE

DEFLECTION		LENGTH (mm) MEASURED ALONG OUTSIDE CURVED FACE OF 'VARIO-BEND'	
DEGREES	%	HORIZ./VERT. BEND R=3000mm L=53.8mm PER 1°	HORIZ. BEND IMMEDIATELY UPSTREAM OF M.S. R=635mm L=12.5mm PER 1°
2	3.49	MIN. 110	N/A
3	5.24	160	N/A
4	6.99	215	N/A
5	8.74	270	N/A
6	10.51	325	N/A
7	12.27	375	N/A
8	14.05	430	MIN. 100
9	15.83	485	110
10	17.63	540	125
11	19.43	590	135
12	21.25	645	150
13	23.08	700	160
14	24.93	755	175
15	26.79	805	185
16	28.67	860	200
17	30.57	915	210
18	32.49	970	225
19	34.43	1020	235
20	36.40	1075	250
21	38.38	1130	260
22	40.40	1185	275
23	42.44	1235	285
24	44.52	1290	300
25	46.63	1345	310
26	48.77	1400	325
27	50.95	1450	335
28	53.17	1505	350
29	55.43	1560	360
30	57.73	1615	375
31	60.08	1670	390
32	62.48	1720	400
33	64.94	1775	415
34	67.45	1830	425
35	70.02	1885	440
36	72.65	1935	450
37	75.35	1990	465
38	78.12	2045	475
39	80.97	2100	490
40	83.90	2150	500
41	86.92	2205	515
42	90.04	2260	525
43	93.25	2315	540
44	96.56	2365	550
45	100.00	MAX. 2420	MAX. 565

LIMITS OF CONTRACT

WORK BY CONSTRUCTOR

1. CONSTRUCT THE RETICULATION SEWER AS SHOWN.
2. PROVIDE THE LINK-UP AT 'A' (EXISTING MS WITH STUB)
   - INSTALL PLUNGER× IN EXISTING MS END ASSEMBLY.
   - EXCAVATE UP TO EXISTING MS, EXPOSE STUB, REMOVE CAP, CONNECT AND LAY AWAY WITH NEW SEWER.
   - REMOVE PLUNGER× AFTER TESTING AND BEFORE CPC ISSUE.

×CONSTRUCTOR SHALL BE ACCREDITED BY SA WATER TO UNDERTAKE THIS WORK.

NOTES

EXISTING SERVICES

- PRIOR TO COMMENCING ANY CONSTRUCTION WORKS, THE CONSTRUCTOR SHALL LOCATE AND DEPTH ALL OTHER EXISTING UNDERGROUND SERVICES IN VICINITY OF WORKS. ANY DISCREPANCIES OF DEPTH OR LOCATION FROM THAT INDICATED ON THESE DRAWINGS SHALL BE REPORTED TO ENGINEER.
- IT SHALL BE NOTED THAT THERE MAY BE OTHER EXISTING UNDERGROUND SERVICES IN THE VICINITY OF WORKS OTHER THAN THOSE SHOWN ON THESE DRAWINGS.
- IT SHALL BE THE CONSTRUCTOR'S RESPONSIBILITY TO DETERMINE IF OTHER UNDERGROUND SERVICES ARE PRESENT AND HAVE ALL SERVICES LOCATED AND DEPTHED PRIOR TO COMMENCING WORKS.

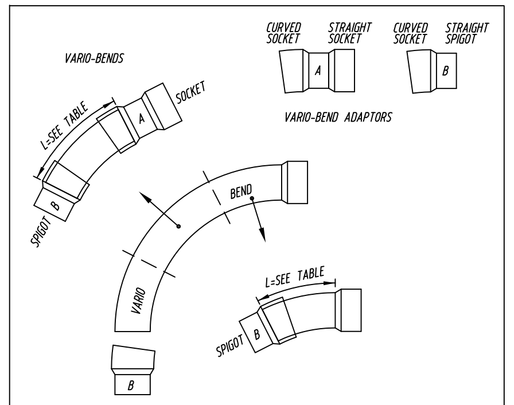
CONNECTIONS

- ALL CONNECTIONS TO BE LAID SIMILAR TO S.C.M. (K3) & (K4) UNLESS NOTED OTHERWISE.
- CONNECTIONS TO LOTS 329, 334/335, 352 , 357,& 367/388 TO BE LAID WITH A RISER OFF THE MAIN SIMILAR TO S.C.M. (K5).
- CONNECTIONS TO LOTS 328, 387/366, 337, 338/339, 340/341, 343, 355, 358, 359, 360/361, 362/363, 364/365, 368/369 & 322/323 TO BE LAID UNDER THE SWD SIMILAR TO S.C.M. (K6).
- CONNECTIONS TO LOTS 332/333 & 353/354 330/331TO BE LAID WITH A COMBINATION OF RISER OFF THE MAIN AND UNDER THE STORMWATER DRAIN SIMILAR TO S.C.M. (K5) & (K6).
- CONNECTION TO LOT 343 SHALL BE 150mm Dia..

FITTINGS SCHEDULE

Line No/Dist.	DEF. ANGLE	Fitting Item
HORIZONTAL		
1/247.73	-	MH
1/292.03	-	MH
1/370.88	-	MH
1/412.13	-	MH
1/458.26	-	MH
1/502.56	-	MS 225 Capped AHD.
2/23.20	17°3'	MH H.Bend 150x17°xR3000
2/47.47	-	MH
2/133.70	-	MS 150
2/218.70	-	MS 150 Capped Ahd.
3/13.00	30°20'	MS 150+H.Bend 150x30°xR635 Lt.
3/80.00	-	MS 150
3/163.50	90°	MSJ 150 Lt.+H.Bend 150x45°xR635 Lt.
3/196.60	-	IO Temp. End
4/4160	-	IO End.
5/52.90	-	MS 150 Capped Ahd.
VERTICAL		
3/164.30	6°	V.Bend 150x6°xR3000
3/173.30.	6°	V.Bend 150x6°xR3000

NOTES:
(1) THE LARGER R=3000mm BEND SHALL BE USED FOR ALL BENDS EXCEPT WHERE USED IN CONJUNCTION WITH A MAINTENANCE SHAFT.



NOTES:
(1) POSSIBLE VARIO-BEND ALTERNATIVES USING THE TWO ADAPTORS:-
- SOCKET/SPIGOT BEND
- SOCKET/SOCKET BEND
- SPIGOT/SPIGOT BEND

(2) BEND CONFIGURATION:
PIPES SHALL BE LAID FROM THE DOWNSTREAM END OF THE SYSTEM, WITH THE SOCKET ENDS FACING 'UPGRADE'. WHERE POSSIBLE, BENDS CONFIGURATIONS SHALL BE CONSISTENT WITH THIS APPROACH

(3) BEND RADII:
- HORIZONTAL/VERTICAL BENDS RADIUS=3000mm (TO CENTRELINE).
- HORIZONTAL BEND IMMEDIATELY UPSTREAM OF MS RADIUS=635mm (TO CENTRELINE).

LEGEND
WASTE WATER

- Proposed Sewer
- Proposed Maintenance Hole
- Maintance Shaft
- Maintenance Shaft Terminal
- Sewer Proposed in Adj. Schemes
- Future Sewer
- Existing Sewer, Connection and Maintenance Hole
- Pumping Main (PM)
- Inspection Opening
- Inspection Point
- Contract Boundary
- NS. EL. at I.P. 24.55; Final EL. at I.P. 23.63; Inv. EL. of I.P. 22.23
- Spot level (× 19.33)
- Design level (19.33)
- Line No. (1)
- Sheet No. (2)
- Area not served
- Area of fill
- Maintenance Hole
- Maintenance Shaft
- Maintenance Hole Jump Up
- I.O.
- Proposed Sewer
- Exist Sewer 150Ø at 12.00%
- Exist Sewer
- Future Sewer 150Ø at 12.00%
- Future Sewer
- Natural Surface
- Design Surface

Sheet No	Length	Prog. Total	Pipe Discription
5	506.80	506.80	DN 150mm PVC SN(4)
4	271.83	271.83	DN 225mm PVC SN(4)

ACTUAL

Easement to be taken on final plan of division

Easement Or Land To Be Acquired	Reference For Acquisition	Special Conditions	Signature & Date

Amendment -

Rev	Date	Drn.	Description.

LEGEND
H.Bend = Horizontal Vario-bend
V.Bend = Vertical Vario-bend
MSE = Maintenance Shaft Elbow
MSJ = Maintenance Shaft Junction
MST = Maintenance Shaft Terminal
MS = Maintenance Shaft
MH = Maintenance Hole
IO = Inspection Opening

FREE ASSET

Standard SA Water Notes:
. All connections to be Ø100mm. UNO
. All easements to be 3m. wide UNO
. Sewer to be located centrally in easement UNO
. Connection Locations refer SCM page K1
. All connections to be laid similar to K 3 & K4 UNO
. All lines are available both sides UNO

AUTHORIZATION
Signature : Date : / /
Name :
CHARTERED ENGINEER

CONTRACTORS WORK SPACE

LOGOS NOT PERMITTED

AS CONSTRUCTED DETAILS

SOIL TYPE :	CLAY		
WATER TABLE :	N/A	Depth to WATER :	N/A
BEDDING :	GRAVEL		
DATE CONSTRUCTED :	69-70		
Field Check :	CLS		
CERTIFIED BY :	CLS	DATE :	4/4/70
LICENSED SURVEYOR :			

CONTRACTOR / COMPANY NAME
CONTACT DETAIL (PHONE No.)

Government of South Australia

SA Water

© This drawing is the property of the South Australian Water Corporation and shall not be copied or modified in part or in whole without authorization.

CONSTRUCTION DRAWING RECEIVED
Date :
CPC Issued Date : CONTRACT No. : 123/69
FOR FURTHER INFORMATION VIDE
DRAINAGE AREA : Adelaide
COUNCIL : Adelaide
D.P. : L.D. : 120/d345/69
CADASTRE REFERENCE : 6612-34-h3 G.G.Date :

SOMEWHERE SOUTH
STAGE Z
SEWER IN MARITIME RD, TIDE ST, ATLANTIS AV, MESSAGE RD, ANCHOR & EASEMENT
LOCALITY PLAN

SHEET SIZE	SA WATER DOCKET NUMBER	REVISION
A1	90123/09	

SHEET 1 OF 5

DRAWING NUMBER 2069- 3001 - 01
YEAR NUMBER SHEET

BAR CODE

The accuracy of the information shown here is not guaranteed and no responsibility is accepted by the Crown,SA Water or their officers,agents or servants for any loss or damages caused by the reliance upon thisinformation, as a result of an error and/or ommission or misdescription hereon, whether caused by negligence or otherwise.Standard SA Water Notes