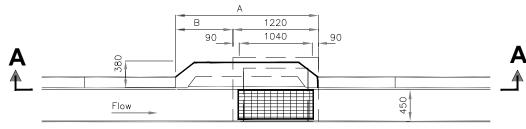


STEP IRONS

Provide AYMROO or alternate brand name equivalent plastic encapsulated step irons in accordance with AS 1657 and manufactures requirements directly under lid at 300mm centres where pit is deeper than 1200mm.

SECTION B-B



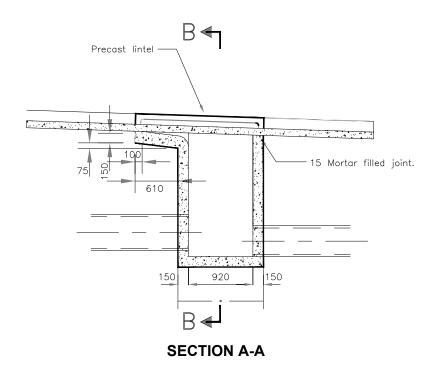
Note: Expansion joints at 1m distance from lintel.

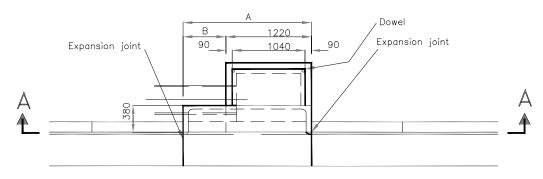
PLAN

Nominal Lintel Length	Α	В
1200	1825	605
1800	2438	1218
2400	3048	1828
3000	3657	2437
3600	4267	3047

- Compressive strength, F'c for cast insitu concrete to be min of 32MPa to AS3600
- 2. All dimensions in mm
- Provide SL82 mesh centrally placed to walls and base for all pits >/= 1.5m deep. Minimum 50mm cover. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. All exposed steelwork shall be hot dip galvanised in accordance with AS 1650
- 5. Where a heavy duty steel grate is required a Weldlok GG78-42A grate or equivalent is to be specified.

	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision [•	LOCATIONS	RVICES LEGEND	466	ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS	FILE:	REVISIO
KS:				DATE: 21 NOVEMBER 2019	Services shown are those known to exist at date of design. Prior to commencement of excavation	G Electricity:		76 CYGNET AVENUE (Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING		A
			DESIGNED:	SEDIMENT AND EROSION CONTROL	contact the relevant gas, electricity, water and	Water: — — W — —		POSTAL ADDRESS Locked Bag 155		PLAN No:	SHEET:
			DATE:	Provide sediment and erosion control measures	providers, including the RMS, for most recent service	S TelComm Local Cable:	2	SHELLHARBOUR CITY CENTRE NSW 2529	CAST IN-SITU GRATED GULLY PIT -	400.000	
			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of	locations and precautions that may be necessary	TelComm Local Cable: T — T — — T TelComm Major or Optic Fibre:	Shellharbou	1701. (02) 4221 0010	Pipes up to 600Ø	ASD 300	
			DATE:	Environment & Heritage		— — MOF— —	CITTOONC	DX26402 SHELLHARBOUR CITY CENTRE	Fipes up to ooos		

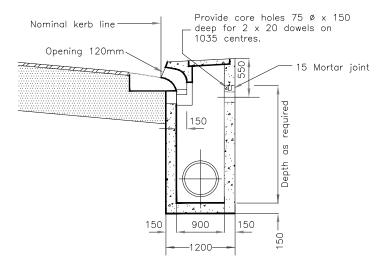




Note: Expansion joints at 1m distance from lintel.

PLAN

Nominal Lintel Length	Α	В
1200	1825	605
1800	2438	1218
2400	3048	1828
3000	3657	2437
3600	4267	3047

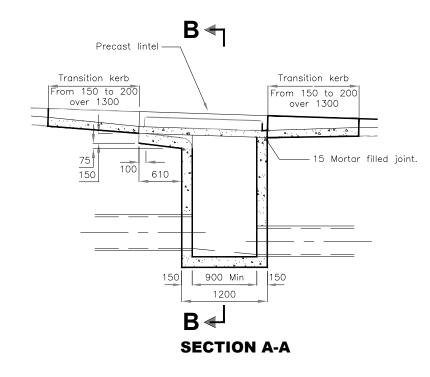


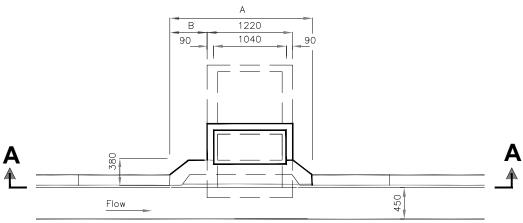
Note: Subsoil Drain 3m long at each inlet pit.

SECTION B-B

- 1. Compressive strength F'c for cast in-situ concrete to be a minimum of 32MPa at 28 days.
- 2. All dimensions are in millimetres.
- 3. Provide SL82 mesh centrally placed to walls and base for pits >/=1.5m deep. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. All steelwork shall be hot dip galvanised in accordance with AS 1650
- 5. Expansion joints to be 15mm wide for full depth of kerb & gutter, with joint being of a preformed material of bituminous fibreboard.
- 6. Where pit is deeper than 1200mm provide step irons. Refer drawing ASD300 for Step Iron details.

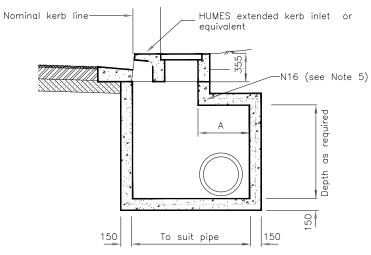
	JRVEYED FICER:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision [Development	LOCATIONS	RVICES		ADMINISTRATION CENTRE	PLAN DETAILS	FILE:	REVISION
DAT		REV. DATE OFFICER			DATE: 21 NOVEMBER 2019	Services shown are those known	Gas: — — G — —		SHELLHARBOUR CIVIC CENTRE 76 CYGNET AVENUE	T E/ (IV DE I/ (IES		Δ
SU	JRVEY MARKS:					to exist at date of design. Prior to	Electricity:		(Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING		' \
				DESIGNED:	SEDIMENT AND	contact the relevant gas,	Water: w		POSTAL ADDRESS			
				DATE:	Provide sediment and erosion control measures	telecommunications service providers, including the RMS,	Sewer: S		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	REAR ACCESS GULLY PIT -	PLAN No:	SHEET:
				DRAWN:	in accordance with the 'Erosion & Sediment Control'	for most recent service locations and precautions that may be necessary	TelComm Local Cable:			Dinas un ta 6000	ASD 301	
				DATE:	guide by the NSW Office of Environment & Heritage	that may be necessary	TelComm Major or Optic Fibre: — MOF— —	CITY COUNC	L DX26402 SHELLHARBOUR CITY CENTRE	Pipes up to 600Ø		





Note: Expansion joints at 1m distance from lintel. **PLAN**

Nominal Lintel Length	Α	В
1200	1825	300
1800	2438	913
2400	3048	1523
3000	3657	2132
3600	4267	2742

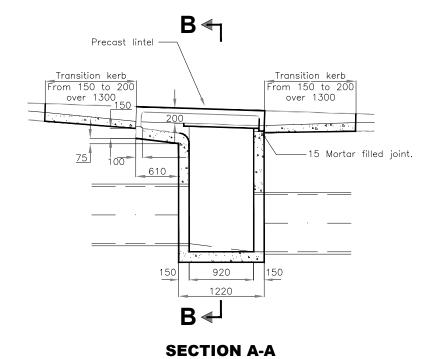


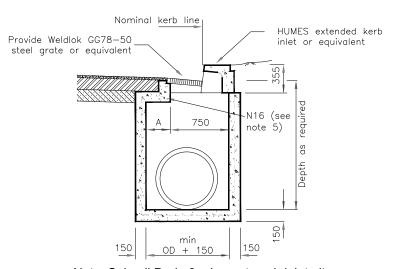
Note: Subsoil Drain 3m long at each inlet pit.

SECTION B-B

- 1. Compressive strength, F'c for cast insitu concrete to be min N32 to AS3600.
- 2. All dimensions in mm.
- 3. Provide SL82 mesh centrally placed to walls and base for all pits >/= 1.5m deep. Minimum 50mm cover. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. All exposed steelwork shall be hot dip galvanised in accordance with AS 1650.
- 5. Where A > 300 provide N16 reinforcing returned min 400 into pit walls. Where A > 900 design to be certified by Engineer.
- 6. For connection to subsoil drainage refer to ASD305.
- 7. For provision of grates in pits refer to ASD 303. Where a heavy duty steel grate is required a Weldlok GG78-42A grate or equivalent is to be specified.
- 8. Where pit is deeper than 1200mm provide step irons. Refer drawing ASD300 for Step Iron details.

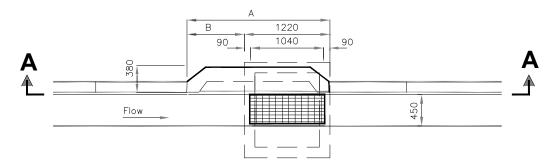
SURVEYED	LIST OF REVISIONS	AMENDMENT DETAILS	APPROVED - Manager Subdivision Development		LOCATIONS	RVICES	ADMINISTRATION CENTRE		DLANDETALIC	FILE:	REVISI
OFFICER: DATE:	REV. DATE OFFICER			DATE: 21 NOVEMBER 2019	LOCATIONS	nown fior to Gas: — — G — — Electricity:	SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS		Λ	
SURVEY MARKS:				ATE. 21 NOVEWBER 2019	Services shown are those know to exist at date of design. Prior t commencement of excavation		76 CYGNET AVENUE (Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING		A	
			DESIGNED:	SEDIMENT AND	contact the relevant gas.	Water: — — W — —		POSTAL ADDRESS		DI AN NE	CUEET
			DATE:	Provide sediment and erosion control measures	telecommunications service providers, including the RMS,	Sewer: s		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	CAST IN-SITU REAR ACCESS GULLY I	PLAN No:	SHEET:
			DRAWN:	in accordance with the 'Erosion & Sediment Control'	for most recent service locations and precautions that may be necessary	TelComm Local Cable:			- Pipes > 600Ø	ASD 302	
			DATE:	guide by the NSW Office of Environment & Heritage	that may be necessary	essary TelComm Major or Optic Fibre: ———MOF———	CITYCOUNC	DX26402 SHELLHARBOUR CITY CENTRE	- Pipes > 600Ø	1102 002	





Note: Subsoil Drain 3m long at each inlet pit.

SECTION B-B



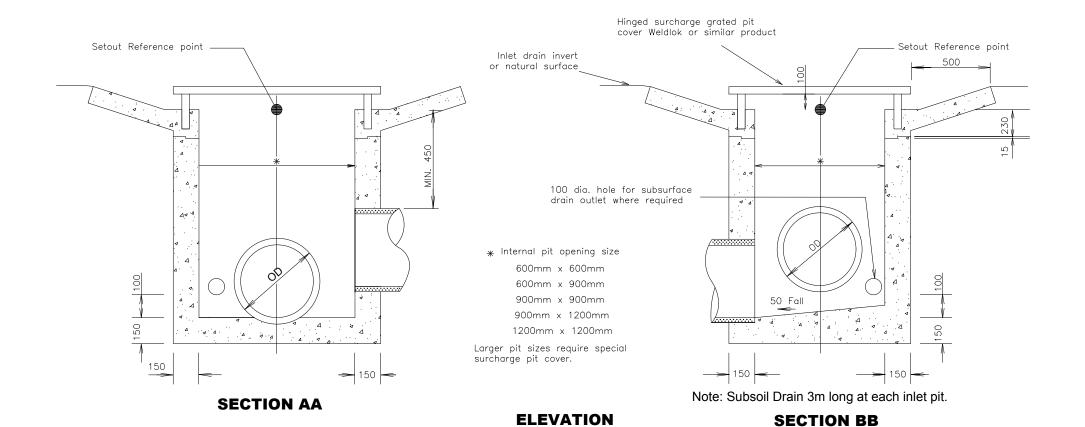
Note: Expansion joints at 1m distance from lintel.

PLAN

Nominal Lintel Length	Α	В
1200	1825	605
1800	2438	1218
2400	3048	1828
3000	3657	2437
3600	4267	3047

- 1. Compressive strength, F'c for cast insitu concrete to be min N32 to AS3600
- 2. All dimensions in mm.
- 3. Provide SL82 mesh centrally placed to walls and base for all pits Minimum 50mm cover. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. All exposed steelwork shall be hot dip galvanised in accordance with AS 1650.
- 5. Where A > 300 provide N16 reinforcing returned min 400 into pit walls. Where A > 900 design to be certified by Engineer.
- 6. For connection to subsoil drainage refer to ASD305.
- 7. Where a heavy duty steel grate is required a Weldlok GG78-42A grate or equivalent is to be specified.
- 8. Where pit is deeper than 1200mm provide step irons. Refer drawing ASD300 for Step Iron details.

SURVEYED OFFICER: DATE:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision	Development DATE: 21 NOVEMBER 2019	LOCATIONS	RVICES LEGEND Gas: G		ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS	FILE:	REVISION
SURVEY MARKS:			DESIGNED:	SEDIMENT AND	Services shown are those known to exist at date of design. Prior to commencement of excavation contact the relevant gas.			76 CYGNET AVENUE (Cnr Cygnet & College Avenue) POSTAL ADDRESS	SCC STANDARD DRAWING		
			DATE:	EROSION CONTROL Provide sediment and erosion control measures	electricity, water and telecommunications service providers, including the RMS,	Sewer: — — W — —		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	CAST IN-SITU GRATED GULLY PIT -	PLAN No:	SHEET:
			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of Environment & Heritage	ioi most recent service	TelComm Local Cable: — T — — T TelComm Major or Optic Fibre: — MOF— —	Shellharbo CITY COU		Pipes >600Ø & Pipes in Carriageway	ASD 303	



A A Note: Expansion joints at 1m distance from grated cover if paving surrounds pit. PLAN

(GRATE NOT SHOWN)

DATE: 21 NOVEMBER 2019

SEDIMENT AND

EROSION CONTROL
Provide sediment and
erosion control measures
in accordance with the
'Erosion & Sediment Control'
guide by the NSW Office of
Environment & Heritage

LOCATIONS

APPROVED - Manager Subdivision Development

DESIGNED:

DATE: DRAWN:

LIST OF REVISIONS

REV. DATE OFFICER

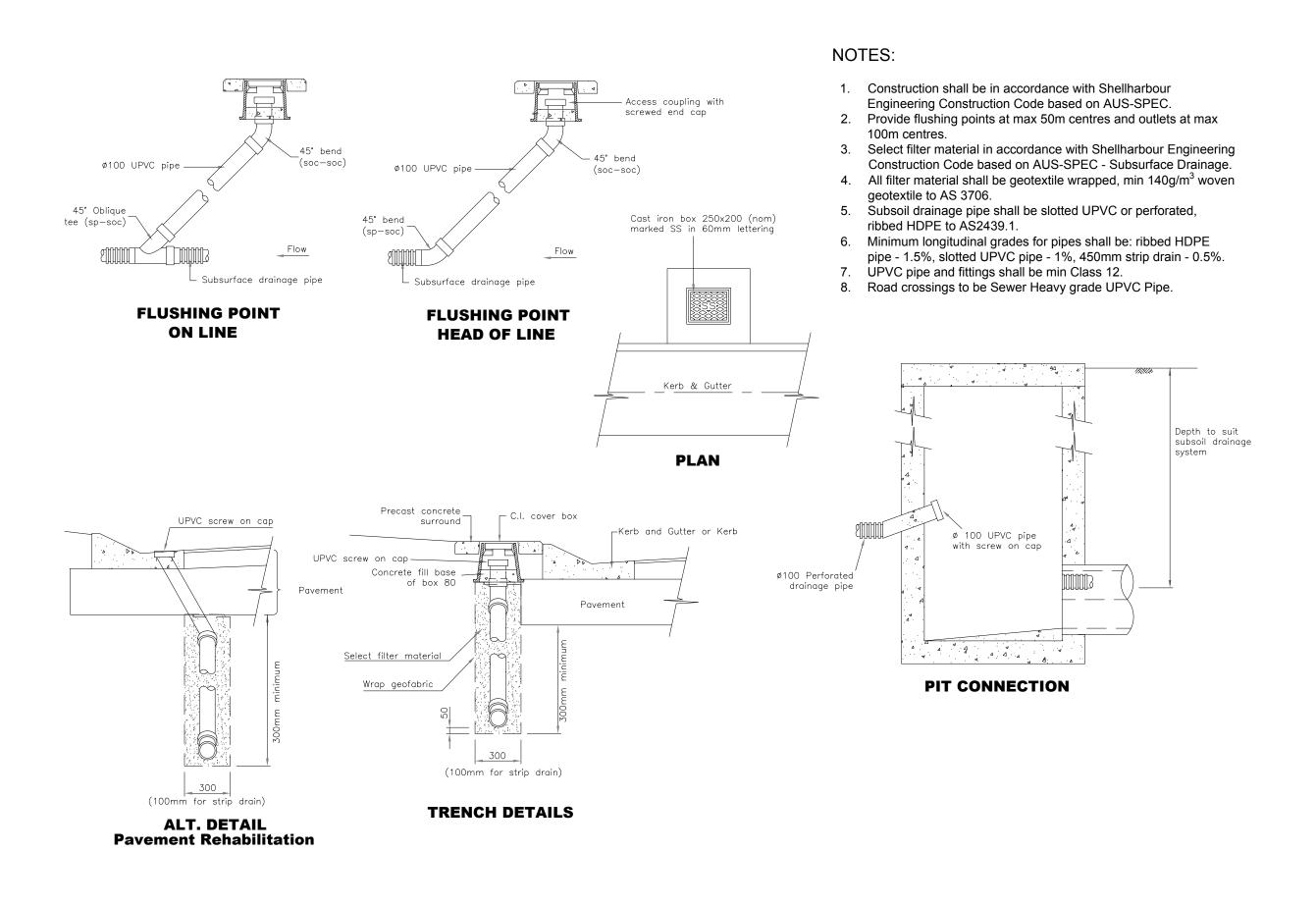
SURVEYED

SURVEY MARKS

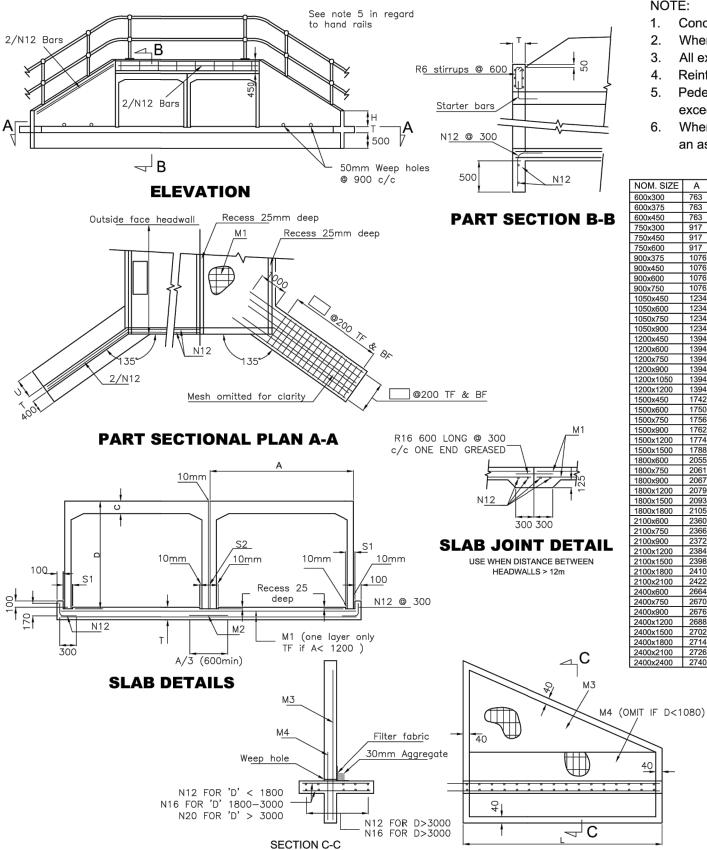
AMENDMENT DETAILS

- 1. Compressive strength F'c for cast insitu concrete to be a minimum of 32mpa at 28 days.
- 2. All dimensions are in millimetres.
- 3. Provide SL82 mesh centrally placed to walls of pits > 1.5m deep. 50mm min cover. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. All steelwork shall be hot dip galvanised in accordance with AS 1650
- 5. Max depth pit 3500mm.
- 6. Provide min 50mm drop through pit.
- 7. Where pit is deeper than 1200mm provide step irons. Refer drawing ASD300 for Step Iron details.

nose known ign. Prior to give. Prior to give. Prior to give. Provide Recollege Avenue). Service he RMS, 28 ever: TelComm Local Cable: Shellharbour Ph. (02) 4221 6111 FAX: (02) 4221 6116 FAX: (02) 4221 6116 FAX: (02) 4221 6116	SER	LEGEND	ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS	I ILL.	Δ
Service the RMS, 28 to lose the RMS, 28 to los	ign. Prior to cavation	Electricity:	(Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING		
Delta TelComm Local Cable: Shellharbour PH: (02) 4221 6111 PAX: (02) 4221 6016 IN IL FT DIT	ervice		Locked Bag 155		PLAN No:	SHEET:
— MOF— —	e ions y	TelComm Major or Optic Fibre:	Shellharbour PH: (02) 4221 6111 FAX: (02) 4221 6016 CITY COUNCIL DX26402 SHELLHARBOUR CITY CENTRE	INLET PIT	ASD 304	



DESIGNED: DATE: DRAWN: SEDIMENT AND EROSION CONTROL Provides ediment and erosion control measures in accordance with the Terosion & Sediment Control guide by the NSW Office of guide	OFFICER: DATE:	REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision D	Development DATE: 21 NOVEMBER 2019	LOCATIONS	LEGEND		ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS	FILE:	A REVISION
DRAWN: Consider the control of th	SURVEY MARKS:					to exist at date of design. Prior to commencement of excavation	Electricity:			SCC STANDARD DRAWING		^
in accordance with the Erosion & Sediment Control of guide by the NSW Office of guide by the NSW Office of and the processary of the NSW Office of the NSW O				DATE:	EROSION CONTROL Provide sediment and	electricity, water and telecommunications service providers, including the RMS,	Sewer:		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529			SHEET:
DATE.				1	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of	locations and precautions		CITY COUNC			ASD 305	



NOTE:

- 1. Concrete strength to be 32MPa at 28 days
- 2. When culverts are to be built in saltwater a sulphate resistant cement is to be used
- 3. All exposed corners and re-entrant corners are to be chamfered 25mm
- Reinforcement to have 40mm clear cover
- 5. Pedestrian barriers (eg. handrails) must be installed in pedestrian accessible areas where the drop exceeds 900mm or as directed by Council. See standard drawing ASD802 for hand rail details
- Where headwalls are installed in proximity to the adjoining road pavement, the designer must make an assessment of the related hazards, and provide guardrail (or equivalent) where necessary

NOM. SIZE	A	С	S1	S2	D	Н	1	Т	u	MESH	NOM. SIZE	Α	С	S1	S2	D	н	L	Т	u	MESH
600x300	763	102	94	178	402	240	1000	175	400	F918	2700x600	2969	190	134	258	800	340	1400	260	500	F1118
600x300 600x375	763	102	92	174	477	260	1100	175	425	F918	2700x600 2700x750	2975	190	134	258	952	390	1600	260	550	F1118
600x373	763	102	91	172	552	290	1200	175	450	F918	2700x750 2700x900	2981	190	134	258	1105	440	1800	260	600	F1118
750x300	917	102	97	184	402	240	1000	175	400	F918	2700x900 2700x1200	2993	190	134	258	1409	540	2300	260	700	F1118
750x300 750x450	917	102	95	178	552	290	1200	175	450	F918	2700x1200 2700x1500	3007	190	134	258	1714	640	2700	260	800	F1118
750x450 750x600	917	102	94	172	702	340	1400	175	500	F918	2700x1500 2700x1800	3019	190	134	258	2019	740	3100	260	900	F1118
900x375	1076	102	98	186	477	260	1100	175	425	F918	2700x1800	3031	190	134	258	2324	840	3500	260	1000	F1118
900x375 900x450	1076	102	97	184	552	290	1200	175	450	F918	2700x2100 2700x2400	3045	190	134	258	2628	940	4000	260	1100	F1118
900x450 900x600	1076	102	94	180	702	340	1400	175	500	F918	2700x2400 2700x2700	3043	190	134	258	2933	1040	4400	260	1200	F1118
900x600 900x750	1076	102	91	174	852	390	1600	175	550	F918	3000x900	3310	225	147	284	1115	440	1800	275	600	F1118
1050x450	1234	115	100	190	565	290	1200	175	450	F918	3000x900 3000x1200	3322	225	147	284	1419	540	2300	275	700	F1118
1050x450 1050x600	1234	115	97	184	715	340	1400	175	500	F918	3000x1200 3000x1500	3336	200	134	258	1724	640	2700	275	800	F1118
1050x600 1050x750	1234	115	94	178	865	390	1600	175	550	F918	3000x1500	3348	200	134	258	2029	740	3100	275	900	F1118
1050x750 1050x900	1234	115	91	172	1015	440	1800	175	600	F918	3000x1600	3360	200	134	258	2334	840	3500	275	1000	F1118
1200x450	1394	125	103	196	575	290	1200	175	450	F718	3000x2100 3000x2400	3374	200	134	258	2638	940	4000	275	1100	F1118
	1394	125	103	196	725	340	1400	175	500	F718	3000x2400 3000x2700	3374	200	134	258	2943	1040	4400	275	1200	F1118 F1118
1200x600	1394		97	$\overline{}$	875	390	1600	175		F718		3398	200	134	258	3248			275	$\overline{}$	
1200x750 1200x900	1394	125	94	184 178	1025	440	1800	175	550 600	F718	3000x3000 3300x900	3615	225	147	284	3248 1140	1140 440	4800 1800	290	1300 600	F1118 F1218
	1394	125	91	178	1025	490	2100	_		F718		3627	225	147	284	1444	540	2300	290	700	F1218
1200x1050		125	88			540	2300	175	650		3300x1200	3641	225	147	284		640		290	800	
1200x1200	1394	125	122	166	1325	290	1200	175	700	F718	3300x1500		225	147	284	1749		2700	290	900	F1218
1500x450	1742	150		234	607	340	1400	175	450	F718 F718	3300x1800	3653	225	147	284	2054	740	3100	290		F1218
1500x600	1750	150	122	234	760	390	1600	175	500	F718	3300x2100	3665	225	147	284	2359	840 940	3500	290	1000	F1218
1500x750	1756	150	122	234 234	912	440	1800	175	550	F718	3300x2400	3679	225	_	284	2663		4000	290	1100	F1218
1500x900	1762	150	122	_	1065	540	2300	175	600		3300x2700	3691	225	147	284	2968	1040	4400		1200	F1218
1500x1200	1774	150	122	234	1369	640		175	700	F718	3300x3000	3703		147	284	3273	1140	4800	290	1300	F1218
1500x1500	1788	150	122	234	1674		2700	175	800	F718	3300x3300	3717	225	160		3578	1240	5300	290	1400	F1218
1800x600	2055	150	122	234	760	340 390	1400	200	500	F818	3600x900	3946	250 250	160	310 310	1165	440	1800	305	600	F1218
1800x750	2061	150	122	234	912	440		200	550	F818	3600x1200	3958	250	160		1469	540	2300	305	700	F1218
1800x900	2067	150	122	234	1065	540	1800 2300	200	600	F818	3600x1500	3972	250	160	310	1774	640	2700	305	800	F1218
1800x1200	2079	150	122	234	1369	640		200	700	F818	3600x1800	3984				2079	740	3100	305	900	F1218
1800x1500	2093	150	122	234	1674		2700	200	800	F818	3600x2100	3996	250	160	310	2384	840	3500	305	1000	F1218
1800x1800	2105	150	122	234	1979	740	3100	200	900	F818	3600x2400	4010	250	160	310	2688	940	4000	305	1100	F1218
2100x600	2360	150	122	234	760	340 390	1400 1600	220	500	F818	3600x2700	4022	250	160 160	310	2993	1040	4400	305	1200	F1218
2100x750	2366	150	122	234	912			220	550	F818	3600x3000	4034	250			3298	1140	4800	305	1300	F1218
2100x900	2372	150	122	234	1065	440	1800	220	600	F818	3600x3300	4048	250	160	310	3603	1240	5300	305	1400	F1218
2100x1200	2384	150	122	234	1369	540	2300	220	700	F818	3600x3600	4060	250	160	310	3908	1340	5600	305	1500	F1218
2100x1500	2398	150	122	234	1674	640	2700	220	800	F1018	4200x900	4551	275	172	334	1190	440	1800	325	600	RF1218
2100x1800	2410	150	122	234	1979	740	3100	220	900	F1018	4200x1200	4563	275	172	334	1494	540	2300	325	700	RF1218
2100x2100	2422	150	122	234	2284	840	3500	220	1000	F1018	4200x1500	4577	275	172	334	1799	640	2700	325	800	RF1218
2400x600	2664	175	122	234	785	340	1400	240	500	F1018	4200x1800	4589	275	172	334	2104	740	3100	325	900	RF1218
2400x750	2670	175	122	234	937	390	1600	240	550	F1018	4200x2100	4601	275	172	334	2409	840	3500	325	1000	RF1218
2400x900	2676	175	122	234	1075	440	1800	240	600	F1018	4200x2400	4615	275	172	334	2713	940	4000	325	1100	RF1218
2400x1200	2688	175	122	234	1379	540	2300	240	700	F1018	4200x2700	4627	275	172	334	3018	1040	4400	325	1200	RF1218
2400x1500	2702	175	122	234	1684	640	2700	240	800	F1018	4200x3000	4639	275	172	334	3323	1140	4800	325	1300	RF1218
2400x1800	2714	175	122	234	1989	740	3100	240	900	F1018	4200x3300	4653	275	172	334	3628	1240	5300	325	1400	RF1218
2400x2100	2726	175	122	234	2294	840	3500	240	1000	F1018	4200x3600	4665	275	172	334	3923	1340	5600	325	1500	RF1218
2400x2400	2740	175	122	234	2598	940	4000	240	1100	F1018	J										

SURVEYED OFFICER: OATE: SURVEY MARKS:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision De	re: 21 NOVEMBER 2019	LOCATIONS Services shown are those known to exist at date of design. Prior to	/ICES LEGEND Gas: — G — — Electricity:	1	AE SHEL 7 (Cnr
			DESIGNED:	SEDIMENT AND	commencement of excavation contact the relevant gas,	Water:		•

DATE:

DRAWN:

SEDIMENT AND contact the relevant gas, electricity, water and telecommunications service providers, including the RMS for most recent service locations and precautions EROSION CONTROL elComm Local Cable:

— T — elComm Major or Optic Fibre:

— MOF— -

WINGWALL DETAILS



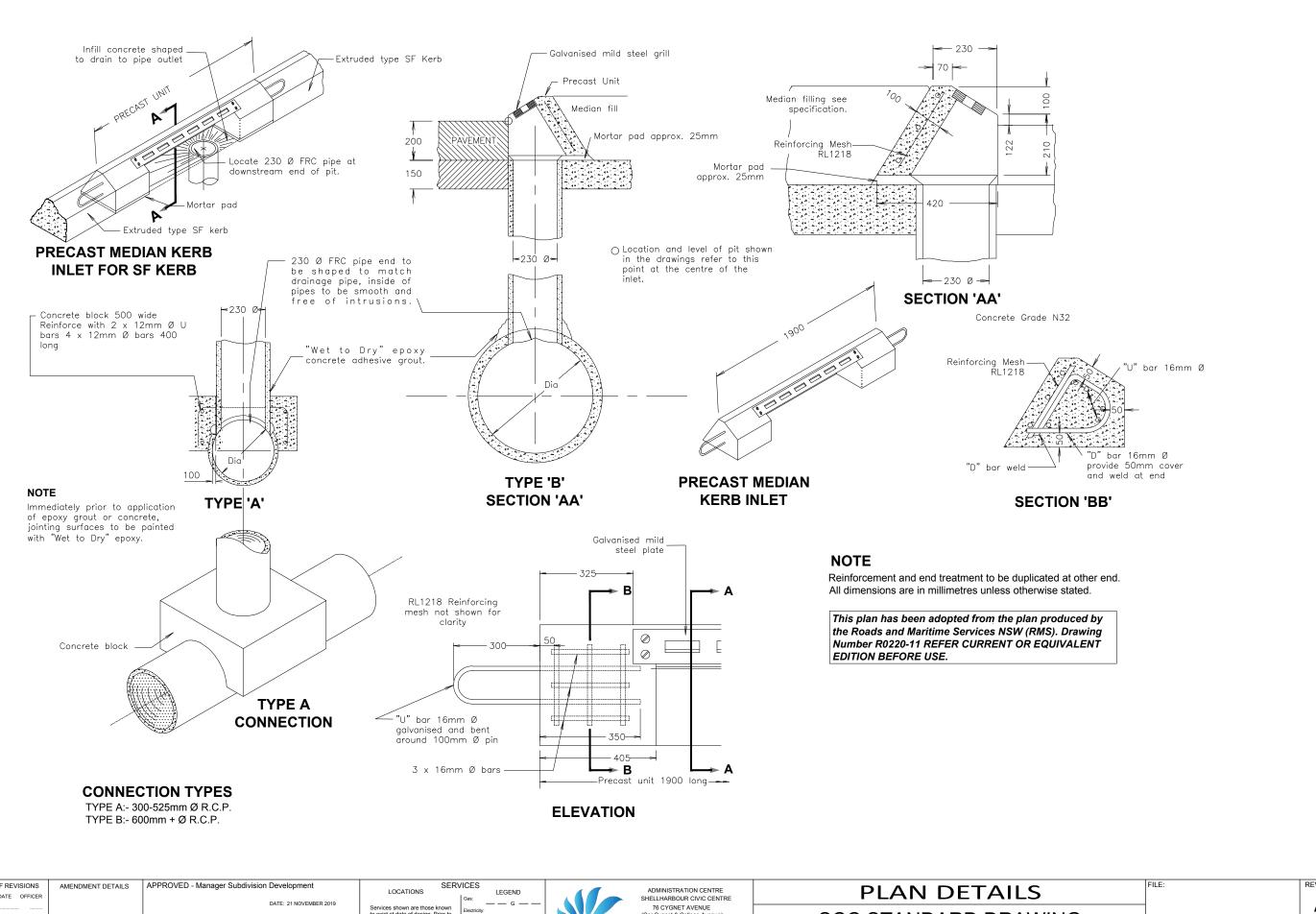
ADMINISTRATION CENTRE HELLHARBOUR CIVIC CENTRE 76 CYGNET AVENUE on Cygnet & College Avenue POSTAL ADDRESS Locked Bag 155

SHELLHARBOUR CITY CENTRE NSW 2529 PH: (02) 4221 6111 FAX: (02) 4221 6016 DX26402 SHELLHARBOUR CITY CENTRE

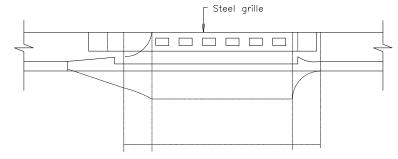
PLAN DETAILS

SCC STANDARD DRAWING PRECAST BOX CULVERTS - Slab and Headwall

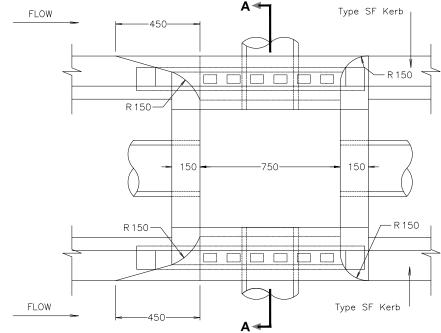
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		A
PLAN No:	SHEET:	
ASD 306		



SURVE	YED I	LIST OF REVISIONS	AMENDMENT DETAILS	APPROVED - Manager Subdivision D	Development	LOCATIONS	RVICES		ADMINISTRATION CENTRE	DLANDETALLC	FILE:	REVISION
OFFICER DATE:	R	REV. DATE OFFICER			DATE: 04 NOVEMBED 2040	LOCATIONS	LEGEND Gas:		SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS		Λ
SURVE	/ MARKS:				DATE: 21 NOVEMBER 2019	Services shown are those known to exist at date of design. Prior to	Electricity:		76 CYGNET AVENUE (Cnr Cygnet & College Avenue)		7	A
				DESIGNED:	SEDIMENT AND	commencement of excavation contact the relevant gas,	Water: w		POSTAL ADDRESS	SCC STANDARD DRAWING		
				DATE:	Provide sediment and erosion control measures	electricity, water and telecommunications service providers, including the RMS,	Sewer: s		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	PRECAST MEDIAN KERB INLET FOR SF	PLAN No:	SHEET:
				DRAWN:	in accordance with the 'Erosion & Sediment Control'	for most recent service locations and precautions	TelComm Local Cable:	Shellharbour	PH: (02) 4221 6111 FAX: (02) 4221 6016	KERB	ASD 307	
	I			DATE:	guide by the NSW Office of Environment & Heritage	that may be necessary	TelComm Major or Optic Fibre: — MOF— —	CITY COUNCIL	DX26402 SHELLHARBOUR CITY CENTRE	NERD	7 (02 00)	

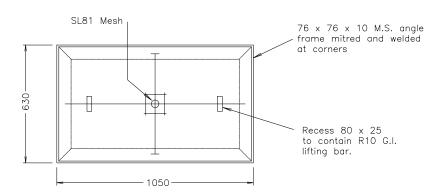


ELEVATION OF INLET

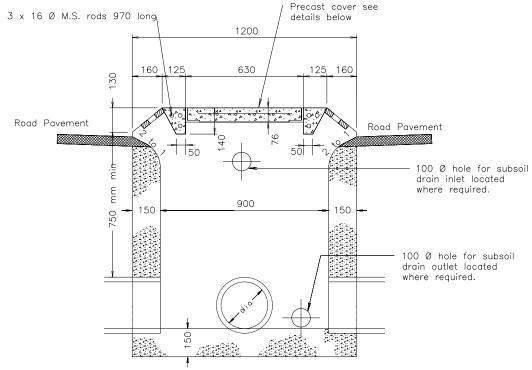


Note: Expansion joints at 1m distance from lintel.

PLAN WITH COVER AND GRILLE REMOVED



PLAN OF PIT COVER



Note: Subsoil Drain 3m long at each inlet pit.

SECTION AA

NOTES:

- 1. Compressive strength, F'c for cast insitu concrete to be min N32 to AS 3600.
- 2. All exposed edges to be rounded with 20mm radius.
- 3. All mild steel material to be galvanised on completion in accordance with AS1650.
- 4. Side walls of all pits deeper than 1500 are to be reinforced with one layer of SL82 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 5. Depth of pit not to exceed 3500.
- 6. Where pit is deeper than 1200mm provide step irons. Refer drawing ASD300 for Step Iron details.
- 7. For connection to subsoil drainage refer to ASD305.
- 8. All dimensions are in millimetres.

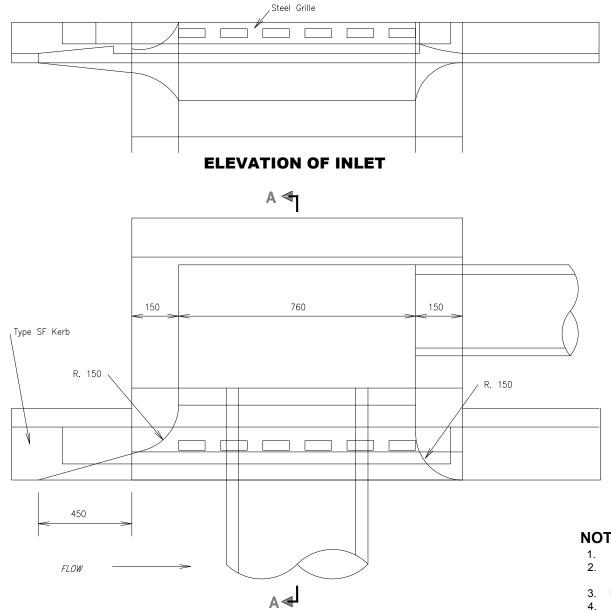
This plan has been adopted from the plan produced by the Roads and Maritime Services NSW (RMS). Drawing Number R0220-10 REFER TO CURRENT EQUIVALENT EDITION BEFORE USE.

SURVEYED OFFICER:	LIST OF REVISIONS	AMENDMENT DETAILS	AMENDMENT DETAILS APPROVED - Manager Subdivision Development SERVICES LOCATIONS LEGENT				1 1
DATE: SURVEY MARKS:	REV. DATE OFFICER		Q.	ATE: 21 NOVEMBER 2019	Services shown are those known to exist at date of design. Prior to	Gas: G	
			DESIGNED:	SEDIMENT AND EROSION CONTROL	commencement of excavation contact the relevant gas, electricity, water and	Water: w	
			DATE:	Provide sediment and erosion control measures	telecommunications service providers, including the RMS,	Sewer: s	2),,
			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of	for most recent service locations and precautions that may be necessary	TelComm Local Cable:	Shellharbou
			DATE:	Environment & Heritage	, , ,	TelComm Major or Optic Fibre: ———————————————————————————————————	CITYCOON

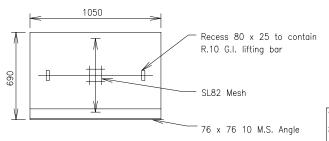


PLAN DETAILS
SCC STANDARD DRAWING
STANDARD DOUBLE INLET GULLY PIT
FOR TYPE SF KERB

	FILE:		REVISION
			Α
			'
Т	PLAN No:	SHEET:	
•	ASD 308		

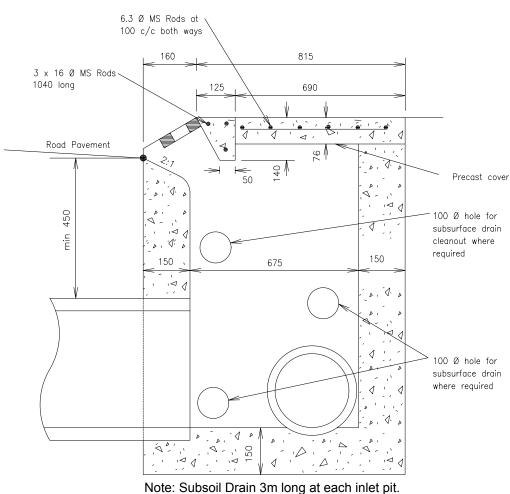


PLAN WITH COVER AND GRILLE REMOVED



CONCRETE COVER

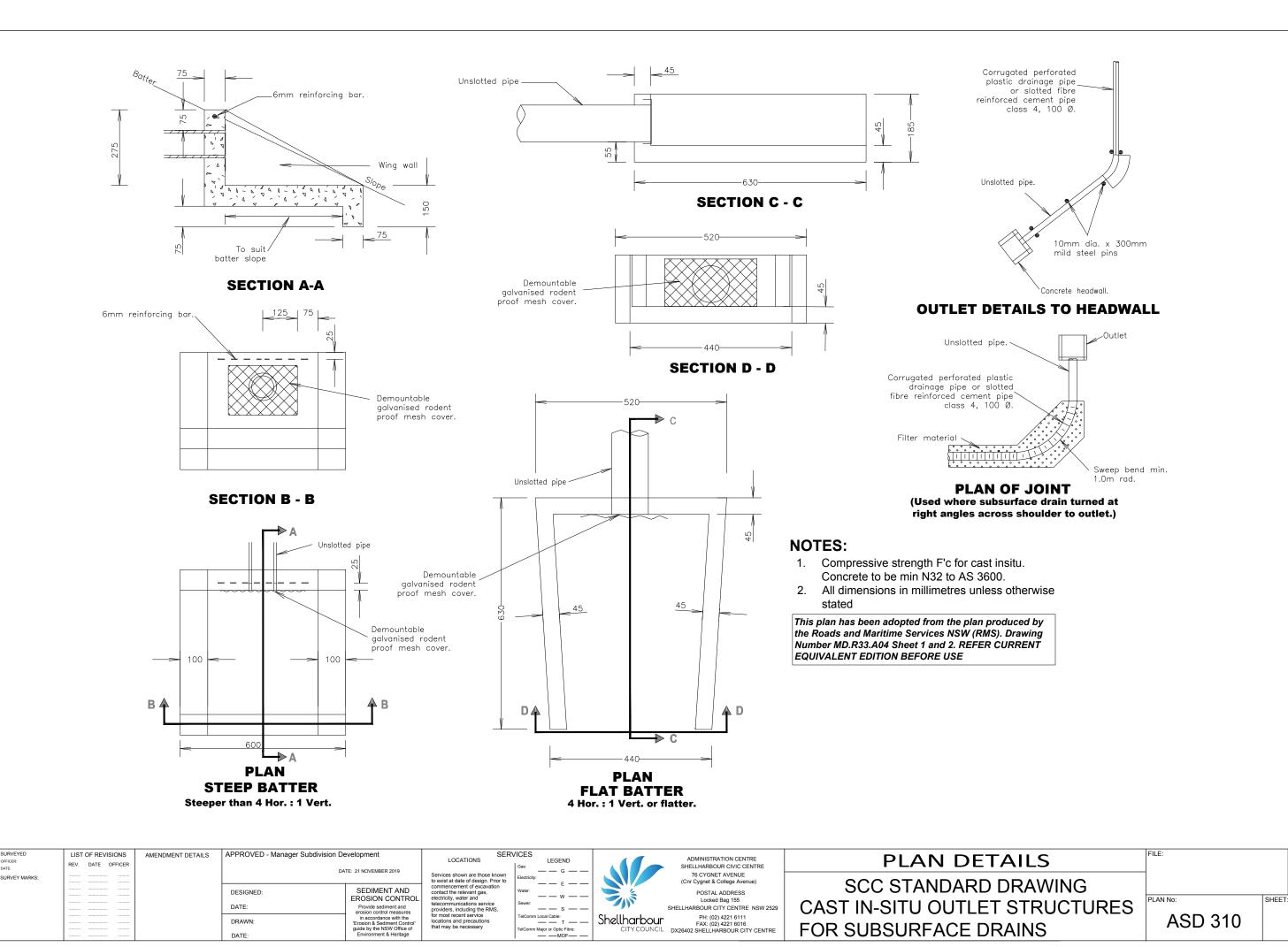
This plan has been adopted from the plan produced by the Roads and Maritime Services NSW (RMS). Drawing Number R0220-09 REFER TO CURRENT EQUIVALENT EDITION BEFORE USE.



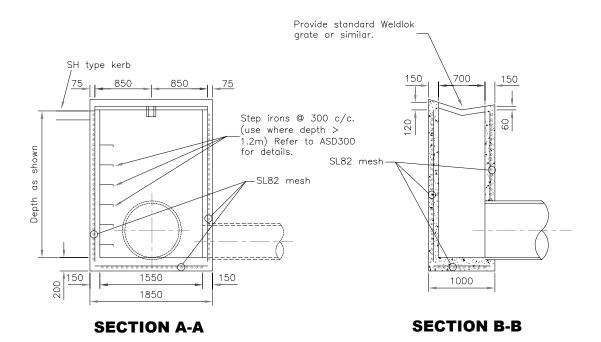
SECTION A - A

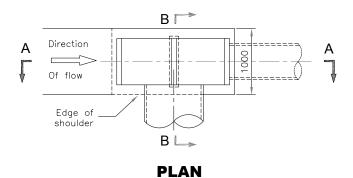
- 1. Compressive strength, F'c for cast insitu concrete to be min N32 to AS 3600.
- Side walls of pits deeper than 1500 are to be reinforced with one layer of SL82 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- Depth of pit not to exceed 3500.
- 4. Where pit is deeper than 1200mm provide step irons. Refer drawing ASD300 for Step Iron details.
- All exposed edges to be rounded to 20 radius.
- For pipes greater than 450mm $\emptyset^* = \text{nOD} + (\text{n} 1) \text{ OD/2} + 200 \text{ n} = \text{number of pipes}$
- Surface of precast cover to be finished with materials and method similar to that specified for
- All mild steel material to be galvanised on completion in accordance with AS 1650.
- For connection to subsoil drainage refer to ASD305.
- 10. All Dimensions are in millimetres.

SURVEYED	LIST OF REVISIONS	AMENDMENT DETAILS	APPROVED - Manager Subdivision [Development	SEF	RVICES	_			FILE:	REVISION
OFFICER: DATE:	REV. DATE OFFICER			DATE: 21 NOVEMBER 2019	LOCATIONS	LEGEND Gas: G		ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS		Ι Λ
SURVEY MARKS:				ATE: 21NOVEMBER 2019	Services shown are those known to exist at date of design. Prior to	Electricity:		76 CYGNET AVENUE (Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING		A
			DESIGNED:	SEDIMENT AND EROSION CONTROL	commencement of excavation contact the relevant gas, electricity, water and	Water: — — W — —		POSTAL ADDRESS		PLAN No:	SHEET:
			DATE:	Provide sediment and erosion control measures	telecommunications service providers, including the RMS,	Sewer: — s — —		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	SINGLE INLET GULLY PIT FOR TYPE S	-	SHEET.
			DRAWN:	in accordance with the 'Erosion & Sediment Control'	for most recent service locations and precautions that may be necessary			PH: (02) 4221 6111 FAX: (02) 4221 6016		ASD 309	
			DATE:	guide by the NSW Office of Environment & Heritage	triat may be necessary	TelComm Major or Optic Fibre: ———————————————————————————————————	CITY COUNCII	DX26402 SHELLHARBOUR CITY CENTRE	KERB	102 000	



REVISION

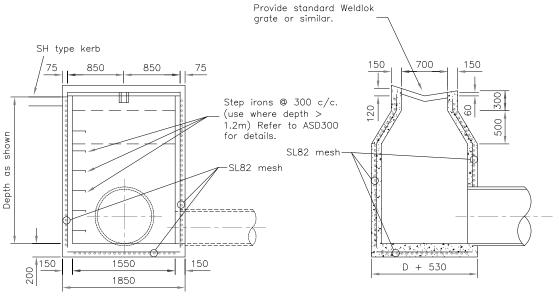




'V' DRAIN FOR PIPE Ø450 OR LESS

NOTE:

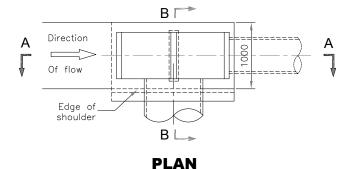
- Compressive strength, F'c for cast insitu concrete to be min N32 to AS3600
- 2. All dimensions in mm
- 3. Provide SL82 mesh centrally placed to walls and base for all pits >1.5m deep. Minimum 50mm cover. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. All exposed steelwork shall be hot dip galvanised in accordance with AS 1650



Note: Subsoil Drain 3m long at each inlet pit.

SECTION B-B

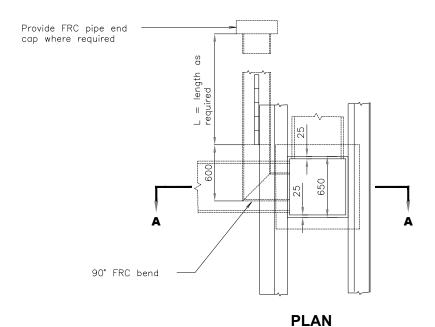
SECTION A-A



'V' DRAIN FOR PIPE Ø525 OR GREATER



6mm ø M.S. rods 2 @ 100 c/c both ways type SF median kerb (where required) 75mm slimdrain or similar with 100mm grate depth. (see construction plans for backfilling detail) Precast cover 600 150 FRC pipe (Diameter to suit) **SECTION AA**

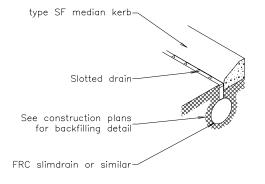


[Cover removed]

NOTES:

- 1. Compressive strength F'c for cast insitu concrete to be min N32 to AS 3600.
- 2. All dimensions in millimetres
- 3. Side walls of all pits deeper than 1500mm are to be reinforced with one layer of SL82 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. Depth of pit not to exceed 3500mm
- 5. Pits deeper than 1200mm to be fitted with galvanised step irons at 300mm centres. Refer to ASD 300
- All exposed edges to be rounded with 200mm radius
- Median width as shown is for minimum conditions 7.
- All reinforcement laps to be 300mm long
- 9. For use with flexible pavement only

This plan has been adopted from the plan produced by the Roads and Maritime Services NSW (RMS). Drawing Number R0220-46. REFER TO CURRENT EDITION BEFORE USE.



ISOMETRIC VIEW

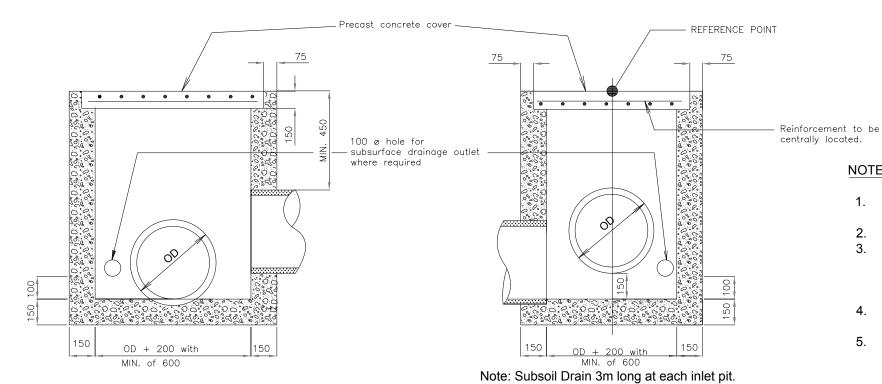
SURVEYED OFFICER: DATE: SURVEY MARKS:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision De	evelopment ITE: 21 NOVEMBER 2019	LOCATIONS Services shown are those known to exist at date of design. Prior to	/ICES LEGEND Gas: G Electricity:	
			DESIGNED: DATE:	SEDIMENT AND EROSION CONTROL Provide sediment and	commencement of excavation contact the relevant gas, electricity, water and telecommunications service providers, including the RMS,	Water: W	1
			DRAWN: DATE:	erosion control measures in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of Environment & Heritage	for most recent service locations and precautions that may be necessary	TelComm Local Cable: T	5



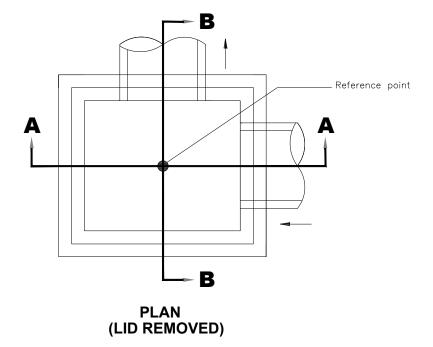
ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE 76 CYGNET AVENUE (Cnr Cygnet & College Avenue) POSTAL ADDRESS Locked Bag 155 ARBOUR CITY CENTRE NSW 2529 PH: (02) 4221 6111 FAX: (02) 4221 6016 DX26402 SHELLHARBOUR CITY CENTRE

PLAN DETAILS SCC STANDARD DRAWING CAST IN-SITU SLIMDRAIN MEDIAN PIT

FILE:		REVISION
		Α
PLAN No:	SHEET:	
ASD 312		



ELEVATION



SECTION A-A

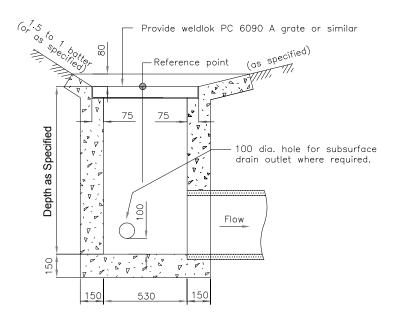
NOTES:

- 1. Compressive strength F'c for cast insitu concrete to be min N32 to AS 3600
- 2. All dimensions in millimetres
- 3. Rods at 100 centres, placed longitudinally and transversely; or F81 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 4. Location and level of junction box shown in the drawings refer to this point:
- 5. Side walls of all pits deeper than 1500mm are to be reinforced with one layer of RL1218 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 6. Depth of pit not to exceed 3500mm
- 7. Pits deeper than 1200mm to be fitted with galvanised step irons at 300mm centres. See ASD
- 8. All exposed edges to be rounded with 200mm
- At right angle change in pipe direction outlet invert to be 150 below inlet invert
- 10. All reinforcement laps to be 300mm long
- 11. Minimum cover of reinforcement shall be 50 unless shown otherwise.

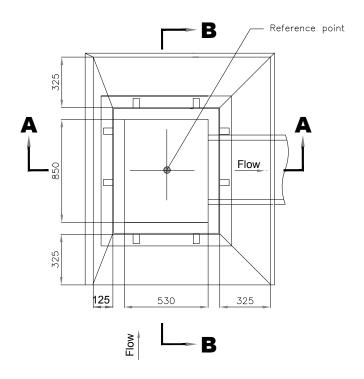
This plan has been adopted from the plan produced by the Roads and Maritime Services NSW (RMS). Drawing Number R0220-29. REFER TO CURRENT EQUIVALENT EDITION BEFORE USE .

SURVEYED OFFICER:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision	Development	LOCATIONS	RVICES		ADMINISTRATION CENTRE	PLAN DETAILS	FILE:	REVISION
DATE: SURVEY MARKS:				DATE: 21 NOVEMBER 2019	Services shown are those known to exist at date of design. Prior to			SHELLHARBOUR CIVIC CENTRE 76 CYGNET AVENUE			A
			DESIGNED:	SEDIMENT AND	commencement of excavation contact the relevant gas,	Water: — — E — — —		(Cnr Cygnet & College Avenue) POSTAL ADDRESS	SCC STANDARD DRAWING		
			DATE:	EROSION CONTROL Provide sediment and erosion control measures	telecommunications service providers, including the RMS,	Sewer: S		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	STANDARD JUNCTION PIT	PLAN No:	SHEET:
			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of	for most recent service locations and precautions that may be necessary	TelComm Local Cable: TelComm Maior or Optic Fibre:	Shellharbou	PH: (02) 4221 6111 FAX: (02) 4221 6016 DX26402 SHELLHARBOUR CITY CENTRE		ASD 313	
			DATE:	Environment & Heritage		MOE	CITTOON	DAZ0402 SHELLHARBOUR CITT CENTRE			

SECTION B-B

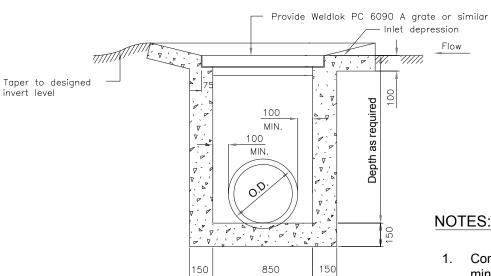


SECTION A-A



PLAN (GRATE REMOVED)

SURVEY MARKS



Note: Subsoil Drain 3m long at each inlet pit. **SECTION B-B**

NOTES:

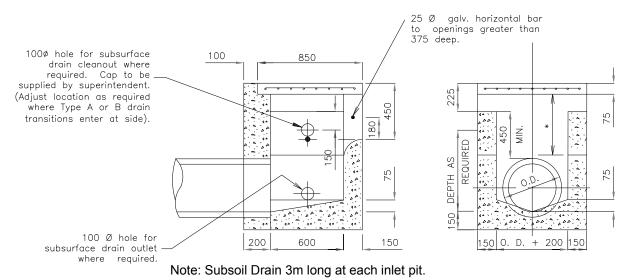
- 1. Compressive strength F'c for cast insitu concrete to be min N32 to AS 3600
- 2. All dimensions in millimetres
- Where pit is located in a sag, inlet depressions are to be provided on both sides of the pit
- 4. Location and level of grated surface inlet pit shown in the drawings refer to this point:
- Side walls of all pits deeper than 1500mm are to be reinforced with one layer of SL82 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 6. Depth of pit not to exceed 3500mm
- 7. Pits deeper than 1200mm to be fitted with step irons at 300mm centres. See ASD 300
- 8. All exposed edges to be rounded with 200mm radius
- All reinforcement laps to be 300mm long
- 10. Minimum cover of reinforcement shall be 50 unless shown otherwise

This plan has been adopted from the plan produced by the Roads and Maritime Services NSW (RMS). Drawing Number R0220-27. REFER TO CURRENT EQUIVALENT EDITION BEFORE USE .

	LIST OF REVISIONS	AMENDMENT DETAILS	APPROVED - Manager Subdivision De	evelopment	SER\	/ICES		ADMINISTRATION CENTRE
is:	REV. DATE OFFICER		DA	ATE: 21 NOVEMBER 2019	Services shown are those known to exist at date of design. Prior to	Gas: — — G — — Electricity:		SHELLHARBOUR CIVIC CENTRE 76 CYGNET AVENUE (Cnr Cygnet & College Avenue)
			DESIGNED: DATE:	SEDIMENT AND EROSION CONTROL Provide sediment and erosion control measures	electricity, water and telecommunications service providers, including the RMS,	Water: W		POSTAL ADDRESS Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529
			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of Environment & Heritage	for most recent service locations and precautions that may be necessary	TelComm Local Cable:	Shellharbour CITY COUNCIL	

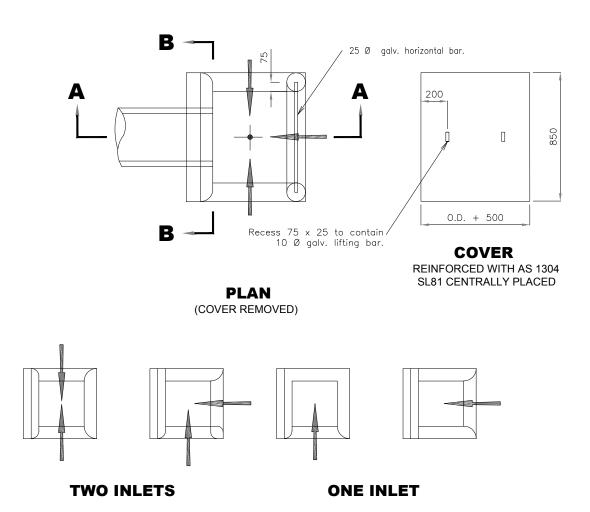
	PLAN DETAILS	FILE:	
	SCC STANDARD DRAWING		
529	CAST IN-SITU GRATED SURFACE INLET		S
RE	FOR CATCH DRAINS & TABLE DRAINS	ASD 314	

REVISION Α



SECTION A-A

SECTION B-B



DETAIL OF ALTERNATE INLET ARRANGEMENT

NOTES:

- Compressive strength F'c for cast insitu concrete to be min N32 1. to AS3600.
- 2. All dimensions in millimetres unless otherwise shown.
- 3. Location and level of surface inlet pit shown in the drawings refer to this point : ●
- 4. Side walls of all pits deeper than 1500mm are to be reinforced with one layer of SL82 mesh. Return mesh 300mm into base and sides, or starter bars to match wall reinforcement.
- 5. Depth of pit not to exceed 3500mm. All exposed edges to be rounded with 200mm radius.
- All reinforcement laps to be 300mm long.
- Minimum cover of reinforcement shall be 50 unless shown otherwise.
- 8. Where pit is deeper than 1200mm provide step Irons. Refer to drawing ASD300 for Step Iron details.

This plan has been adopted from the plan produced by the Roads and Maritime Services NSW (RMS). Drawing Number R0220-37. REFER TO CURRENT EQUIVALENT EDITION BEFORE USE.

LOCATIONS

telecommunications service providers, including the RMS for most recent service locations and precautions that may be necessary

SERVICES

	_					
SURVEYED OFFICER:	LIST (DATE O	SIONS	AMENDMENT DETAILS	APPROVED - Manager Subdivision De	evelopment
DATE:	I ILLY.	DAIL C	JI I IOLIK		DA	TE: 21 NOVEMBER 2019
SURVEY MARKS:						
					PECIONED	SEDIMENT AND
					DESIGNED:	EROSION CONTROL
					DATE:	Provide sediment and
						erosion control measures
					DRAWN:	in accordance with the 'Erosion & Sediment Control'
					DATE:	guide by the NSW Office of Environment & Heritage

ADMINISTRATION CENTRE
SHELLHARBOUR CIVIC CENTRE
76 CYGNET AVENUE
(Cnr Cygnet & College Avenue)

POSTAL ADDRESS
Locked Bag 155
SHELLHARBOUR CITY CENTRE NSW 2529

Shellharbour
CITY COUNCIL
DX26402 SHELLHARBOUR CITY CENTRE
DX26402 SHELLHARBOUR CITY CENTRE

PLAN DETAILS

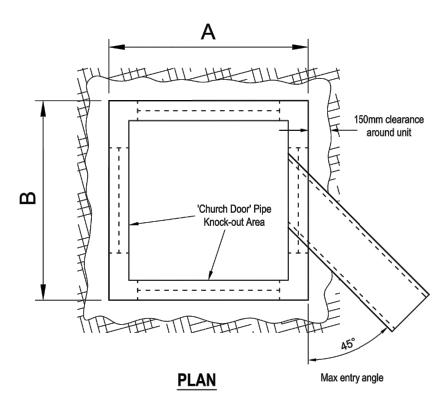
SCC STANDARD DRAWING

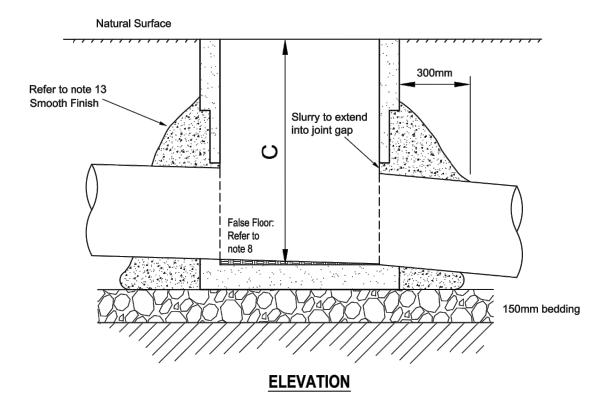
SURFACE INLET PIT

PLAN NO:

ASD 315

REVISION
A
SHEET:





General

- 1. Precast concrete stormwater pits that are damaged with unacceptable defects shall be discarded.
- 2. Precast unit shall be finished design surface levels.

Excavation

3. All excavation must be 150mm clear of the precast unit and to manufacturer's requirements.

Assembly

- 4. DO NOT oversize the knockout hole. Only the required size hole to accommodate the outside pipe diameter should be removed.
- 5. Nothing outside the prescribed knockout section is to be removed.
- 6. Pipes shall not enter the pit.
- 7. Pipes shall sit flush with the knockout ledge. Where the base of the pit is lower than pipe invert a false floor shall be poured. The floor shall be graded between upstream and downstream pipe inverts with a smooth finish.
- 8. For connection to subsoil drainage refer to ASD305. All subsoil drainage connections shall only be through the knockout section and then rendered in accordance with note 12.
- Knockout section and then render in accordance with note 12. Within the knockout area.
 The knockout area width shall be the pipe horizontal skew dimensions.
- 10. The angle of entry shall be no less then 45 degrees. See table for maximum pipe size.
- 11. The jointing surface must be clean.
- 12. Pipe entry joints are to be rendered with an epoxy mortar to be smooth and free from intrusions and to ensure a watertight joint.
- 13. Concrete backfill (3:1 Sand /cement mortar) shall surround the pipe inlet and outlet to form a bell-housing effect with a smooth finish
- 14. Step irons at 300 centres required in pits greater than 1200mm deep. Unused step iron holes to be rendered. Refer drawing ASD300 for Step Iron details.

Backfilling

15. Backfilling around external faces of the precast unit to be selected material, in accordance with C220.08, added in 150mm layers and compacted simultaneously around the structure to avoid differential loading.

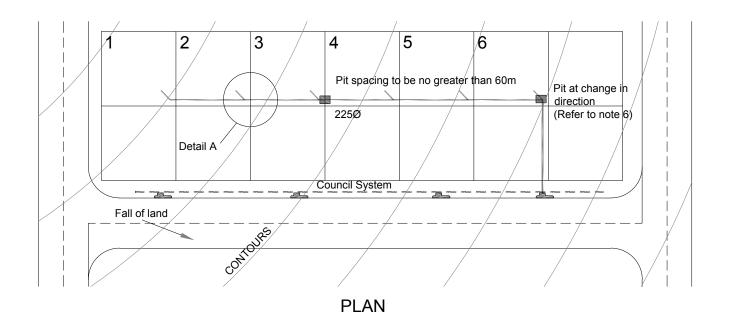
Max pipe size for 45° entry angle								
AxBxC	Pipe							
450 x 450 x 450	None							
600 x 600 x 600	225mm Ø							
600 x 600 x 750	225mm Ø							
900 x 750 x 600	225mm Ø							
900 x 900 x 600	225mm Ø							
900 x 750 x 900	375mm Ø							
900 x 900 x 900	375mm Ø							
900 x 900 x 1200	375mm Ø							
1200 x 1200 x 1200	525mm Ø							

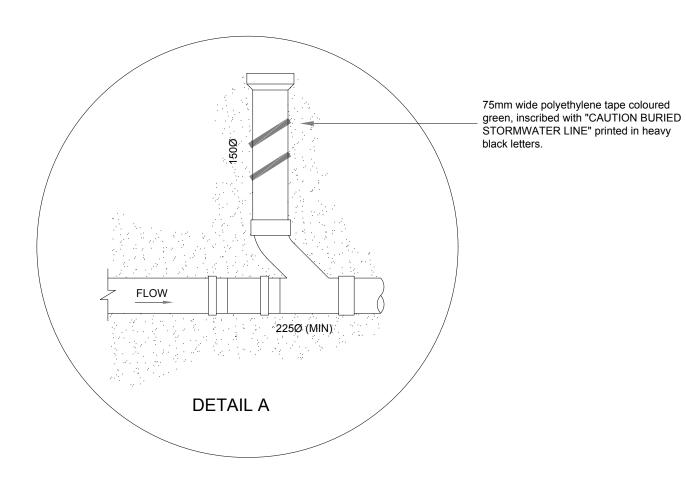
REVISION

Α

ASD 316

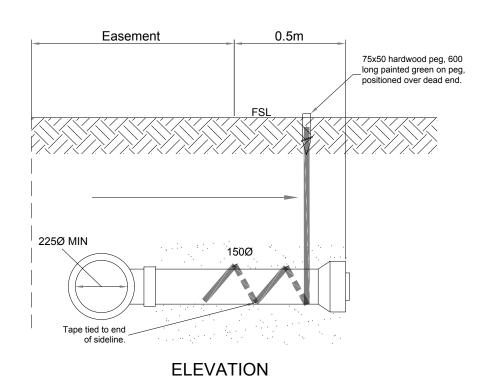
SURVEYED	LIGT OF DEVICEOUS		ADDDOVED Manager Cubdivision D	a calamana na	CED	VICES			
OFFICER: DATE:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision D	ATE: 21 NOVEMBER 2019	LOCATIONS	VICES LEGEND Gas: G	110	ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS
SURVEY MARKS:					Services shown are those known to exist at date of design. Prior to commencement of excavation	Electricity:		76 CYGNET AVENUE (Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING
			DESIGNED:	SEDIMENT AND EROSION CONTROL	contact the relevant gas, electricity, water and	Water: — W — — Sewer:		POSTAL ADDRESS Locked Bag 155	
			DATE:	Provide sediment and erosion control measures	telecommunications service providers, including the RMS, for most recent service	— — S — — TelComm Local Cable:		SHELLHARBOUR CITY CENTRE NSW 2529 PH: (02) 4221 6111	PRECAST PIT INSTALLATION
I			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of	locations and precautions that may be necessary	TelComm Major or Optic Fibre:	Shellharbou	FAX: (02) 4221 6016 L DX26402 SHELLHARBOUR CITY CENTRE	
			DATE:	Environment & Heritage		— —MOF— —		- BAZO-OZ GITELETIANBOOK CITT CENTRE	



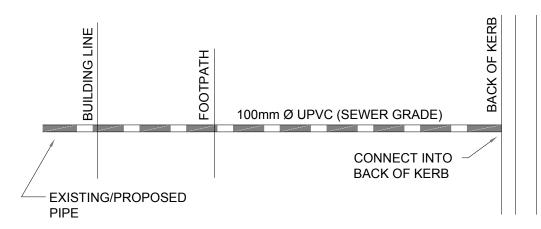


NOTES

- 1. All dimensions are in millimetres.
- 2. Locate inspection openings in accordance with design drawings or Council requirements.
- 3. All connection types shown in this drawing are applicable to PVC (RRJ) pipes unless otherwise shown.
- 4. Property connection riser is part of the private stormwater service unless specified otherwise.
- 5. The maximum number of allotments connected to any interallotment system shall not exceed 6
- 6. Pit shall be in accordance with with SCC standard drawing ASD313 (Min 600 x 600 internal dimensions)
- 7. Pits shall be constructed at all changes in direction and the distance between pits shall be no greater than 60m



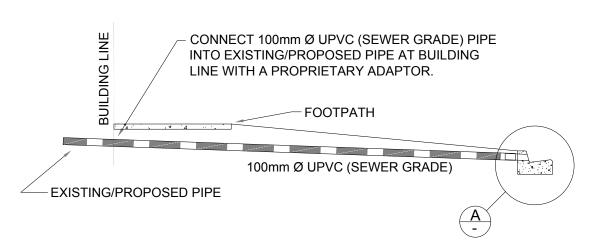
SURVEYED OFFICER: DATE:	LIST OF REVISIONS REV. DATE OFFICER	AMENDMENT DETAILS	APPROVED - Manager Subdivision	Development DATE: 21 NOVEMBER 2019	LOCATIONS	VICES LEGEND Gas: G		ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS	FILE:	REVISION
SURVEY MARKS:			DESIGNED:	SEDIMENT AND	Services shown are those known to exist at date of design. Prior to commencement of excavation contact the relevant gas,	Electricity: E — E — Water:	6	76 CYGNET AVENUE (Cnr Cygnet & College Avenue) POSTAL ADDRESS	SCC STANDARD DRAWING		A
			DATE:	Provide sediment and erosion control measures	electricity, water and telecommunications service providers, including the RMS, for most recent service	W		Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529	INTERALLOTMENT PROPERTY DRAIN		SHEET:
			DRAWN:	in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of Environment & Heritage	locations and precautions	TelComm Local Cable: T — T — — TelComm Major or Optic Fibre:	Shellharbo CITY COUN		CONNECTIONS	ASD 317	



STANDARD PLAN

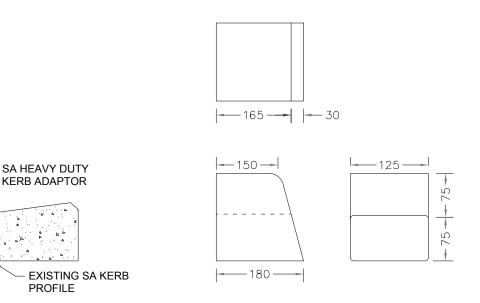
ADOPT 100mm TO 90mm STORMWATER ADAPTOR
WHEN CONNECTING TO EXISTING/PROPOSED 100mm
UPVC STORMWATER PIPE IN KERB BLOCK

DETAIL



STANDARD SECTION

SURVEYED OFFICER: DATE:	LIST OF REVISIONS AMENDMENT D REV. DATE OFFICER	APPROVED - Manager Subdivision	DATE: 21 NOVEMBER 2019	LOCATIONS	RVICES LEGEND Gas: — G — —	110	ADMINISTRATION CENTRE SHELLHARBOUR CIVIC CENTRE	PLAN DETAILS	FILE:	REVISION
SURVEY MARKS:				Services shown are those known to exist at date of design. Prior to commencement of excavation	Electricity: E		76 CYGNET AVENUE (Cnr Cygnet & College Avenue)	SCC STANDARD DRAWING		
		DESIGNED: DATE:	EROSION CONTROL Provide sediment and	contact the relevant gas, electricity, water and telecommunications service	Water: — — W — — — Sewer:		POSTAL ADDRESS Locked Bag 155 SHELLHARBOUR CITY CENTRE NSW 2529		PLAN No:	SHEET:
		DRAWN:	erosion control measures in accordance with the 'Erosion & Sediment Control'	providers, including the RMS, for most recent service locations and precautions	S TelComm Local Cable: T	Shellharbour		STORMWATER CONNECTION TO KERB	ASD 318	
		DATE:	guide by the NSW Office of Environment & Heritage	that may be necessary	TelComm Major or Optic Fibre: ————————————————————————————————————	CITY COUNCII	DX26402 SHELLHARBOUR CITY CENTRE			



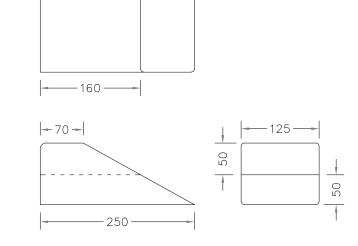
SA KERB WITH HEAVY
DUTY KERB ADAPTOR
SECTIONAL VIEW

INSERT UPVC

KERB ADAPTOR

90/100mm Ø

SA HEAVY DUTY KERB ADAPTOR



INSERT UPVC
90/100mm Ø
KERB ADAPTOR

EXISTING SE KERB
PROFILE

SE KERB WITH HEAVY
DUTY KERB ADAPTOR
SECTIONAL VIEW

SE HEAVY DUTY KERB ADAPTOR

NOTE:

- 1. All heavy duty kerb adapters are to be constructed from 125x75x3mm mild steel
- 2. All mild steel must be hot dipped galvanised before installation
- 3. The heavy duty kerb adaptors require a UPVC kerb adaptor to be inserted inside
- 4. Both kerb adaptors must be grouted in place to stop movement.
- 5. Where the existing connection point is not available in either normal kerb and gutter or roll type kerb and gutter, the kerb must be saw cut to provide for the connection of the pipe. The saw cut must ensure that a minimum of 50mm cover is available on all 3 sides of the pipe to permit adequate strength and thickness for the concrete finish. The kerb and gutter connection must be a 100mm diameter galvanised steel circular for 150mm kerb and gutter or a 150mm x 150mm galvanised rectangular steel section for roll kerb ensuring that the galvanised section is fully encased by concrete.

OFFICER: DATE:	REV.	DATE	OFFIC				
SURVEY MARKS:							

LIST OF REVISIONS

AMENDMENT DETAILS

DATE: 21 NOVEMBER 2019

DESIGNED:

DATE:

DATE:

Provide sediment and erosion control measures in accordance with the 'Erosion & Sediment Control' guide by the NSW Office of

APPROVED - Manager Subdivision Development

Services shown are those known to exist at date of design. Prior to commencement of excavation contact the relevant gas, electricity, water and telecommunications service providers, including the RMS, for most recent service locations and precautions that may be necessary

SHELLEN

Shellharbour
CITY COUNCIL DX2640

ADMINISTRATION CENTRE
SHELLHARBOUR CIVIC CENTRE
76 CYGNET AVENUE
(Cnr Cygnet & College Avenue)

POSTAL ADDRESS
Locked Bag 155
SHELLHARBOUR CITY CENTRE NSW 2529
PH: (02) 4221 6111
FAX: (02) 4221 6111
DX26402 SHELLHARBOUR CITY CENTRE

PLAN DETAILS

SCC STANDARD DRAWING

HEAVY DUTY KERB ADAPTORS

REVISION A

ASD 319